CONDITIONAL LETTER OF MAP REVISION

FOR

PALM HOLLISTER APARTMENTS

July 10, 2023

Wayne W. Chang, MS, PE 46548

ChangConsultants

Civil Engineering ◦ Hydrology ◦ Hydraulics ◦ Sedimentation

P.O. Box 9496
Rancho Santa Fe, CA 92067
(858) 692-0760

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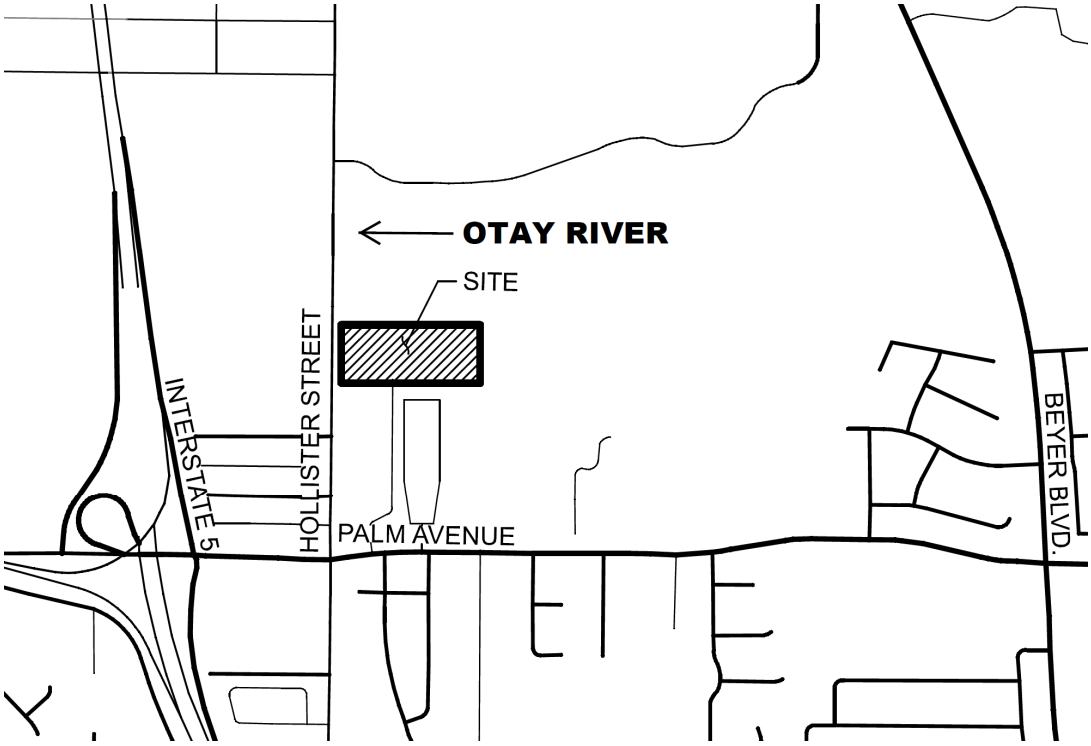
MAP POCKET

INTRODUCTION

The Palm Hollister Apartments project proposes residential development in thirteen apartment buildings with associated recreational facilities and parking. The project will be developed on a 5.92-acre site located along the east side of Hollister Street south of the Otay River in the city of San Diego, California (see the Vicinity Map). The existing site is mostly undeveloped, covered with light vegetation, and primarily contains a gently sloping pad that will support the development. The pad is over 20 feet higher than the Otay River valley, so the proposed structures will meet the City of San Diego's 2-foot freeboard requirement with a large factor of safety. The project proposes grading and a plantable retaining wall within the existing hillside along the north edge of the project in order to increase the upper development area. The grading and retaining wall will affect the southerly edge of the Otay River floodplain, so hydraulic analyses were performed to determine the impacts.



Vicinity Map

The Otay River flows in a westerly direction along the site. The relevant Flood Insurance Rate Maps (FIRMs) encompassing the Otay River are No's. 06073C2152G and 06073C2154J dated December 20, 2019 (see the CD). The FIRMs delineate a 1-percent-annual-chance Zone AE floodplain, 0.2-percent-annual-chance shaded Zone X floodplain, and regulatory floodway along the Otay River. The majority of the site is outside of the 0.2- and 1-percent-annual-chance floodplains. Only the lower portion of the existing northerly hillside is within these floodplains. The project is over 400 feet south of the regulatory floodway, so will not encroach with the floodway.

Existing and proposed condition hydraulic analyses have been prepared for the project and are discussed in the Hydraulic Analyses section below. The analyses show that the project will not alter the existing condition base flood elevations (BFEs). During a conference call with City staff (Emir Williams, Eric Mosolgo, and Tariq Hasani), it was discussed that a Conditional Letter of Map Revision (CLOMR) should be reviewed during the current discretionary phase, but the CLOMR could merely be subject to City approval. This would be the case if there is less than one-foot of rise and there are no adverse impacts to adjacent properties. The email attached to the back of this text summarizes the call. The email mentions a maximum rise of 0.01 feet, but revisions were subsequently made to result in no rise. Since there is no-rise and the project will merely cause a slight alteration to the southerly edge of the floodplain along the proposed retaining wall, it is requested that this CLOMR only require City approval.

HYDRAULIC ANALYSES

Effective, Duplicate Effective, and Corrected Effective

The effective Otay River hydraulic model was requested from the FEMA Project Library, but only a pdf of the effective HEC-2 input/output data was provided (see Appendix B). The project is located between HEC-2 cross-sections 112 on the downstream end and cross-section 116 on the upstream end. Cross-section 112 is along the upstream (easterly) edge of Hollister Street. Table 1 provides a comparison of the pdf and *Flood Insurance Study, San Diego County, California's* (FIS) Floodway Data table results along the site. The pdf results are on NGVD 29, while the Floodway Data table is on NAVD 88. According to the FIS, NAVD 88 = NGVD 29 + 2.2 feet (see Appendix A). The results in this CLOMR are presented in NAVD 88. The results are consistent. The effective output also serves as the duplicate effective output. There are no known errors in the effective/duplicate effective analyses, so a corrected effective model was not prepared.

FIRM Cross-Section	Cross-Section	Floodway Data Table BFE[1], ft	Effective BFE[1] from pdf, ft
O	116	32.8	32.82
N	115	30.9	30.94
M	114	30.9	30.86
---	113.5	---	---
L	113.1	30.8	30.81
K	113	30.8	30.80
J	112	28.9	28.91

[1]BFE = base flood elevation. NAVD 88 = NGVD 29 + 2.2 feet.

Table 1. Effective 1-Percent-Annual-Chance BFEs along Site, NAVD 88

Pre-Project (Existing) Conditions

An existing conditions HEC-RAS model was prepared using updated topographic mapping along the site. The project's January 12, 2020 1-foot contour interval mapping was used and supplemented with SANGIS' 2014/2015 2-foot contour interval mapping. The model extends from cross-section 112 just downstream of the project to cross-section 116 just upstream of the

project. These two cross-sections were duplicated from the effective model to allow an upstream and downstream tie-in. All of the cross-sections are at the same locations as the effective model. Cross-section 113.5 was added to provide more detailed results along the project.

The additional HEC-RAS parameters are as follows. FEMA's 10-, 2-, 1-, and 0.2-percent-chance-annual flow rates of 1,200, 12,000, 22,000, and 50,000 cubic feet per second, respectively, were used. The associated downstream tie-in elevations are 21.97, 26.31, 28.91, and 35.72 feet, respectively. The runoff coefficients are based on the existing floodplain conditions determined from a site visit and aerial photographs. The runoff coefficients range from 0.045 to 0.075 depending on the amount of vegetative cover. The Otay River flow contracts as it approaches a rail bridge near the westerly end of the study reach. Encroachments were included to model a 1:1 flow contraction.

The existing condition HEC-RAS results are in Appendix B, summarized in Table 2, and the electronic files are included on the CD.

FIRM Cross-Section	Cross-Section	Effective BFE from pdf, ft	Exist. Cond. BFE, ft	Prop. Cond. BFE, ft	Exist./Prop. Cond. – Effective BFE, ft
O	116	32.82	32.80	32.80	-0.02
N	115	30.94	31.66	31.66	0.72
M	114	30.86	31.50	31.50	0.64
---	113.5	---	31.37	31.37	---
L	113.1	30.81	31.16	31.16	0.35
K	113	30.80	30.61	30.61	-0.19
J	112	28.91	28.91	28.91	0.00

Note: The existing and proposed condition BFEs are identical.

Table 2. Summary of 1-Percent-Annual-Chance BFEs, NAVD 88

Post-Project (Proposed) Conditions

The proposed project is located outside of the regulatory floodway and primarily outside of the 0.2- and 1-percent-annual-chance floodplains as well as the active flow area. The proposed condition model is based on the existing condition model, but the proposed grading and retaining wall have been added to the left (south) side of the cross-sections. Where the grading and retaining wall are outside the active flow area, the BFEs are identical to the existing condition results, i.e., the project will not alter the existing condition BFEs.

The proposed condition HEC-RAS results are in Appendix B, summarized in Table 2, and the electronic files are included on the CD. Table 2 shows that the existing and proposed condition BFEs are identical. These BFE's match the effective BFE at downstream cross-section 112 and are nearly identical at upstream cross-section 116. The existing and proposed condition BFEs are somewhat higher at some cross-sections due to the increased roughness coefficients. The proposed retaining wall encroaches slightly into the effective 1-percent-annual-chance

floodplain. The floodplain revision associated with the encroachment is barely noticeable at the scale of the FIRM and contained on-site. Therefore, there is no off-site impact to the floodplain.

CONCLUSION

This CLOMR request has been prepared for the Palm Hollister Apartments project. The project proposes grading and a retaining wall outside the regulatory floodway and slightly within the southerly fringe of the 0.2- and 1-percent annual-chance Otay River floodplains. The HEC-RAS analyses show that the project will not impact the existing condition BFEs and the floodplain remapping will not change on off-site properties. Therefore, the project will not cause off-site impacts. Per a discussion with City staff, it is requested that this CLOMR satisfy the project's hydraulic requirements and only be subject to City approval.

The CLOMR MT-2 forms are included in Appendix A. A compact disc with the relevant electronic files (effective work maps and FIRMs, HEC-RAS analyses, CAD files, and Vesting Tentative Map No. 2587526) are included in the map pocket.

Wayne W. Chang

From: Wayne W. Chang
Sent: Monday, May 1, 2023 11:01 AM
To: 'Hasani, Tariq'; Williams, Emir; Mosolgo, Eric
Cc: Duncan Budinger; Tim Worley
Subject: #698277:Palm Hollister Apts: Applicant Mtg Summary

Tariq, Emir, Eric,

Thank you for discussing the Palm and Hollister hydraulic requirements with us. I explained that the site is outside the regulatory floodway and primarily above the 100-year Otay River floodplain. However, some grading is proposed along the northerly edge of the site that will encroach slightly into the floodplain. Most of the grading is beyond the effective flow area established by a downstream railroad bridge, so this portion of the project area will not impact the base flood elevations. The maximum rise under the current HEC-RAS analyses I performed is 0.01'. City staff indicated that a CLOMR must be prepared. If the City review determines that the project meets the regulation requiring less than a foot of rise and demonstrates no adverse impacts to adjacent properties, the CLOMR will not need to be processed through FEMA and a LOMR will not be required. Under this situation, the City will merely review the CLOMR and the CLOMR will serve to satisfy the hydraulic conditions.

The CLOMR should be reviewed during the discretionary phase. The Conditions of Approval will require a CLOMR, but indicate that this might only require City approval. In addition, COA will require a LOMR, but indicate that the LOMR will not be needed if the CLOMR does not need to be processed through FEMA.

Please let us know if you have any comments. Thank you.

Wayne

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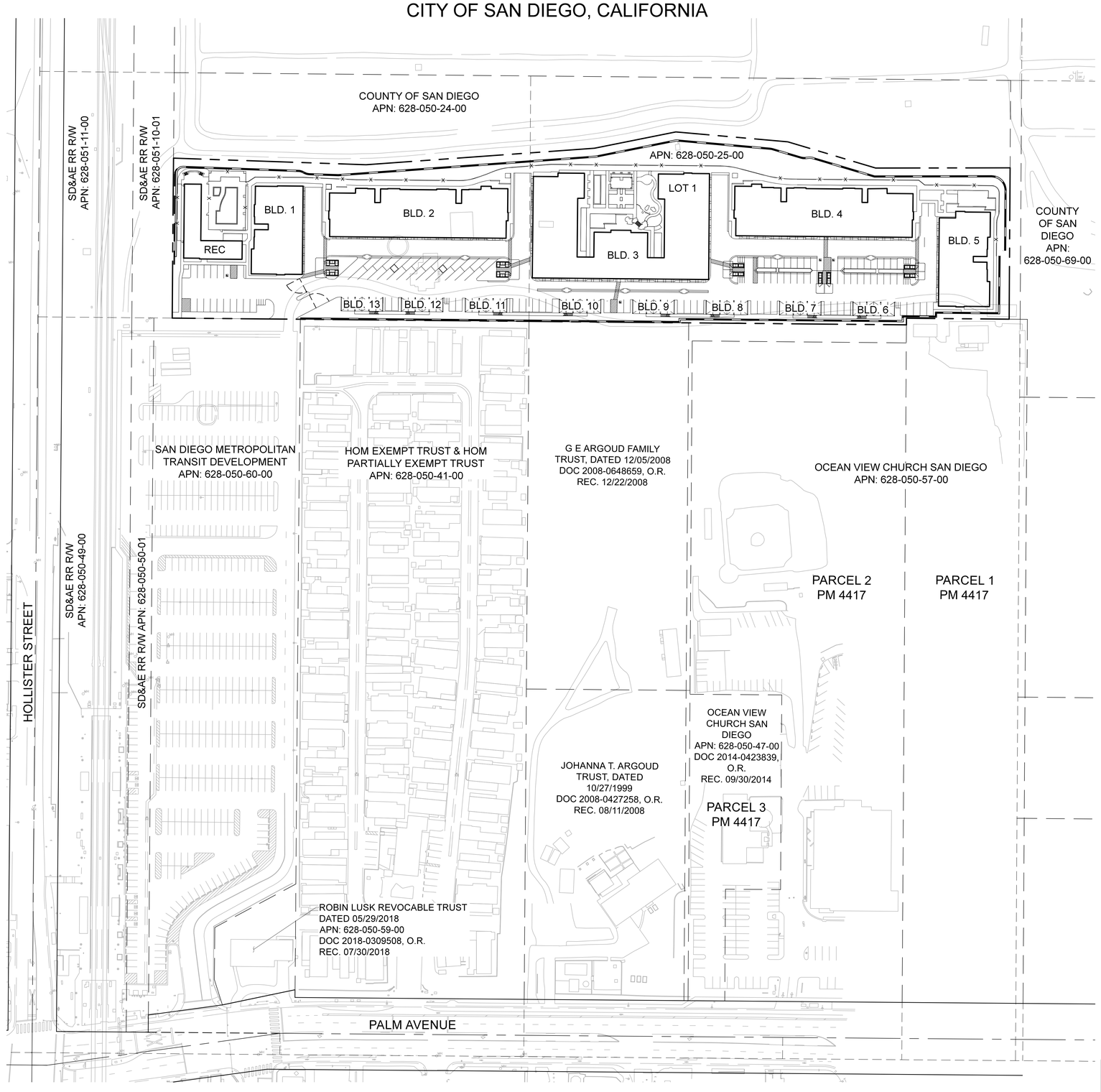
VESTING TENTATIVE MAP NO. 2587526
NEIGHBORHOOD DEVELOPMENT PERMIT NO. 2596225/SITE DEVELOPMENT
PERMIT NO. 2587528/REZONE NO. 2587530
PALM HOLLISTER APARTMENTS

CITY OF SAN DIEGO, CALIFORNIA



LEGEND

- PROPERTY LINE
- RIGHT-OF-WAY
- ADJACENT PARCEL LINE
- PROPOSED BUILDING FOOTPRINT
- PROPOSED RETAINING WALL
- PROPOSED UNITS ABOVE PARKING

TOPOGRAPHY SOURCE

TOPOGRAPHIC INFORMATION SHOWN HEREON IS BY AERIAL MAPPING FLOWN JANUARY 12, 2020, PROVIDED BY SAN DIEGO AERIAL SURVEYS.

BENCHMARK

ELEVATIONS SHOWN HEREON ARE BASED ON 3.75" USC&GS BRASS DISK, STAMPED Y 895 RESET, IN CONCRETE, AT THE NORTHEAST CORNER OF PALM AVENUE BRIDGE, OVER I-5, PER ROS 14492.

ELEVATION: 38.411' M.S.L. (NGVD 29)
VERTICAL BENCH TABLE PUBLISHED JANUARY 2008, CITY OF SAN DIEGO

BASIS OF BEARINGS

THE BASIS OF BEARINGS FOR THIS SURVEY IS THE CALIFORNIA COORDINATE SYSTEM, NAD 83 (CCS83) EPOCH 1991.35, ZONE 6, AS DETERMINED LOCALLY BY A LINE BETWEEN FIRST ORDER CONTROL STATIONS 185 AND 1374 BEING A GRID BEARING OF N5°14'21"E AS DERIVED FROM GEODETIC VALUES SHOWN ON RECORD OF SURVEY 14492, CITY OF SAN DIEGO CONTROL SURVEY, FILED ON MARCH 31, 1994, AS FILE NUMBER 1994-0214720, IN THE OFFICE OF THE COUNTY RECORDER OF SAN DIEGO COUNTY.
QUOTED BEARINGS FROM REFERENCE MAPS OR DEEDS MAY OR MAY NOT BE IN TERMS OF SAID SYSTEM
THE COMBINED GRID FACTOR AT POINT 'A' IS 0.99995790. GRID DISTANCE = GROUND DISTANCE X COMBINED GRID FACTOR. ELEVATION AT POINT 'A' IS 41.51 (NGVD 29)
DISTANCES SHOWN HEREON ARE GROUND.

ZONING

EXISTING: 3.23 ACRES AR-1-2, 0.82 ACRES RM-1-1, 1.87 ACRES RS-1-7
PROPOSED: 5.92 ACRES RM-2-6

GRADING QUANTITIES

TOTAL SITE AREA	5.92 ACRES
GRADED AREA	5.50 ACRES
CUT QUANTITIES	15,000 CY
FILL QUANTITIES	38,500 CY
IMPORT	23,500 CY
MAX CUT DEPTH	13 FT
MAX FILL DEPTH	25 FT
MAX SLOPE	2:1

REMEDIAL GRADING QUANTITIES

TOTAL VOLUME: 67,000 CY
MAX CUT: 17 FT

REFERENCE DRAWINGS

- CITY OF SAN DIEGO DWG 21819-D (IMPROVEMENT PLAN FOR THE INSTALLATION OF THE 8" P.V.C. SEWER IN HOLLISTER ST.)
- CITY OF SAN DIEGO DWG 12056-D (HOLLISTER STREET, PALM AVE. SEWER PLAN)
- CITY OF SAN DIEGO DWG 14603-D (PLANS FOR THE IMPROVEMENT OF SEWER IN PALM AVENUE)
- PARCEL MAP 4417
- RECORD OF SURVEY 24087
- RECORD OF SURVEY 1001
- RECORD OF SURVEY 15594
- RECORD OF SURVEY 15149
- RECORD OF SURVEY 8728
- RECORD OF SURVEY 18992
- CORNER RECORD 15444
- CORNER RECORD 19871
- DEED, RECORDED 12/29/81; F/P 1981-405156, O.R.
- DEED, RECORDED 08/24/17; F/P 2017-0387959, O.R.

MAPPING AND MONUMENTATION

A FINAL MAP SHALL BE FILED AT THE COUNTY RECORDER'S OFFICE PRIOR TO THE EXPIRATION OF THE TENTATIVE MAP. IF APPROVED, A DETAILED PROCEDURE OF SURVEY SHALL BE SHOWN ON THE FINAL MAP AND ALL PROPERTY CORNERS SHALL BE MARKED WITH DURABLE SURVEY MONUMENTS.

CONDOMINIUM NOTE

THIS IS A CONDOMINIUM PROJECT AS DEFINED IN SECTION 4125 OF THE CIVIL CODE OF THE STATE OF CALIFORNIA AND IS FILED PURSUANT TO THE SUBDIVISION MAP ACT. TOTAL NUMBER OF RESIDENTIAL UNITS:

LOT 1: 198

LOT SUMMARY TABLE

LOT #	AREA (ACRES)	RESIDENTIAL/CONDO UNITS
PROPOSED LOT 1	5.92	198

UTILITY COMPANIES

WATER:	CALIFORNIA AMERICAN WATER
SEWER:	CITY OF SAN DIEGO
FIRE:	CITY OF SAN DIEGO
GAS & ELECTRIC:	SDG&E
TELEPHONE:	AT&T

APPROVAL NUMBERS:

VESTING TENTATIVE MAP APPROVAL NO. 2587526
SDP APPROVAL NO. 2587528
NDP APPROVAL NO. 2596225
REZONE NO. 2587530

OWNER

APN: 628-050-24-00

D.I.M.E. HOLLISTER LLC
CONTACT: DANIEL HERNANDEZ
2284 PALM AVENUE
SAN DIEGO, CA 92154
PH:(619) 213-3352

SIGNATURE _____ DATE _____

APPLICANT

PALM HOLLISTER LLC
CONTACT: DUNCAN BUDINGER
179 CALLE MAGDELENA STE 201
ENCINITAS, CA 92024
PH:(619) 417-4193

LEGAL DESCRIPTION

A PORTION OF THE NORTH QUARTER OF THE WEST HALF OF THE SOUTHWEST QUARTER AND THE NORTH 5 ACRES OF THE EAST HALF OF THE SOUTHWEST QUARTER OF SECTION 22, TOWNSHIP 18 SOUTH, RANGE 2 WEST, SAN BERNARDINO MERIDIAN, IN THE CITY OF SAN DIEGO, COUNTY OF SAN DIEGO, STATE OF CALIFORNIA, MORE FULLY DESCRIBED IN GRANT DEED RECORDED IN THE OFFICE OF THE SAN DIEGO COUNTY RECORDER AS DOCUMENT NO. 2017-0387959.

TITLE REPORT

PREPARED BY:
CHICAGO TITLE COMPANY
2365 NORTH SIDE DRIVE SUITE 600
SAN DIEGO, CA 92108
PHONE: (619) 521-3500
REPORT: ORDER No. 00122512-996-SD1-CF2
DATED: OCTOBER 21, 2021

ENGINEER OF WORK

PASCO LARET SUITER & ASSOCIATES, INC.
119 ABERDEEN DRIVE
CARDIFF-BY-THE-SEA, CA 92007
GREGORY W. LANG, RCE 68075
(858) 259-8212

DECLARATION OF RESPONSIBLE CHARGE

"I HEREBY DECLARE THAT I AM THE ENGINEER OF WORK FOR THIS PROJECT, THAT I HAVE EXERCISED RESPONSIBLE CHARGES OVER THE DESIGN OF THE PROJECT AS DEFINED IN SECTION 6703 OF THE BUSINESS & PROFESSIONS CODE AND THAT THE DESIGN IS CONSISTENT WITH CURRENT STANDARDS.

I UNDERSTAND THAT THE CHECK OF PROJECT DRAWINGS AND SPECIFICATIONS BY THE CITY OF SAN DIEGO AND THE SAN DIEGO COUNTY DEPARTMENT OF ENVIRONMENTAL HEALTH IS CONFINED TO A REVIEW ONLY AND DOES NOT RELIEVE ME, AS ENGINEER OF WORK, OF MY RESPONSIBILITIES FOR PROJECT DESIGN."

PROFESSIONAL LAND SURVEYOR · GARY D. MELLOM · LS 8537 · STATE OF CALIFORNIA

GARY D. MELLOM DATE
PLS 8637

VICINITY MAP

NOT TO SCALE

SHEET INDEX

GRAPHIC SCALE: 1" = 60'
60 30 0 60 120 180

REGISTERED PROFESSIONAL ENGINEER · GREGORY W. LANG · RCE No. C68075 EXP. 06-30-23 · CIVIL · STATE OF CALIFORNIA

PREPARED BY:
PASCO LARET SUITER & ASSOCIATES
San Diego | Encinitas | Orange County
Phone 858.259.8212 | www.plsaengineering.com

VESTING TENTATIVE MAP 2587526
PLANNED DEVELOPMENT PERMIT/SITE DEVELOPMENT PERMIT/REZONE
PALM HOLLISTER APARTMENTS
CITY OF SAN DIEGO, CALIFORNIA
THIS IS A PLANNED RESIDENTIAL DEVELOPMENT PROJECT AS DEFINED IN THE SAN DIEGO LAND DEVELOPMENT CODE

PROJECT ADDRESS:
555 HOLLISTER STREET
SAN DIEGO, CA 92154

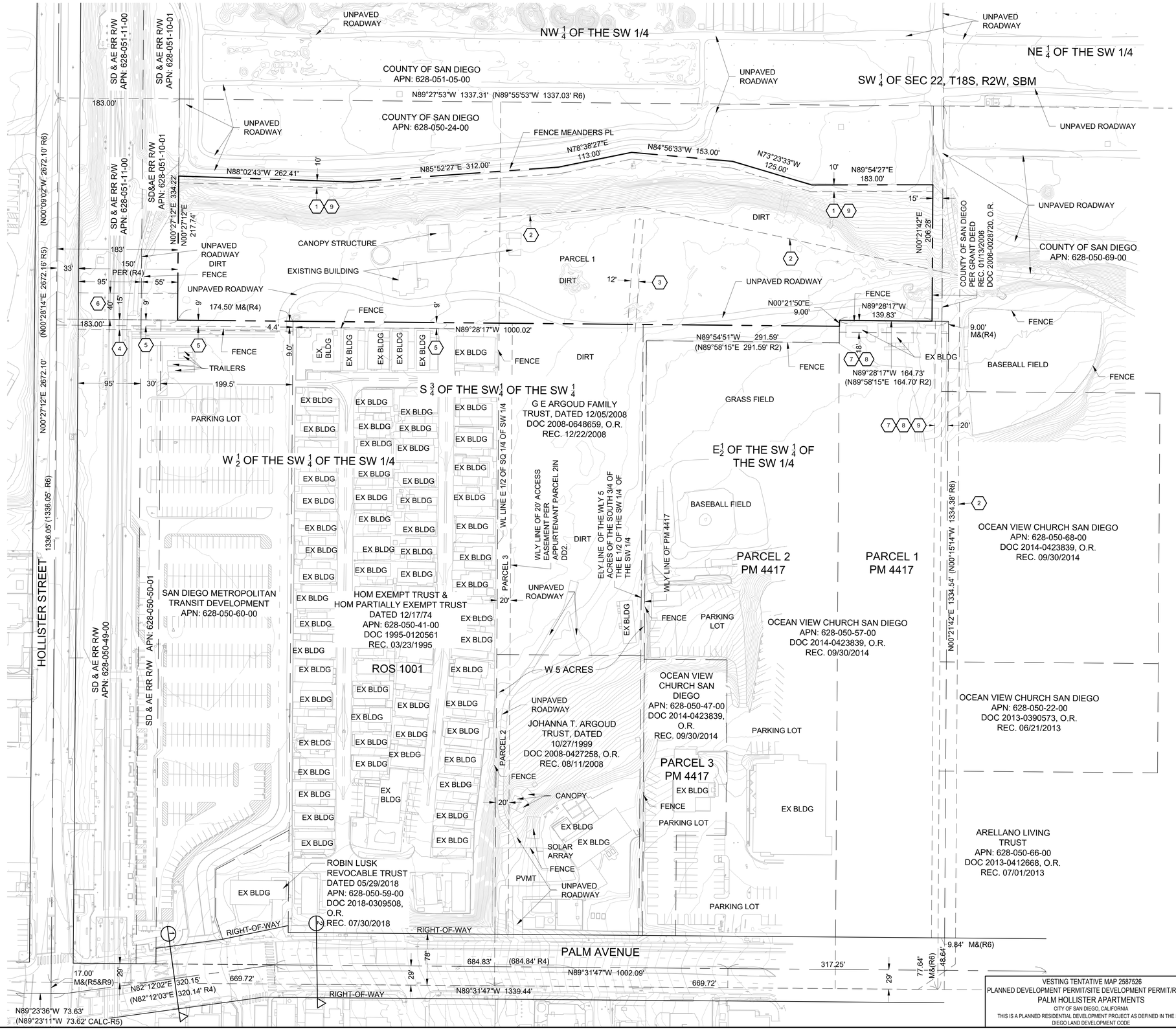
SHEET No. / TITLE:
COVER SHEET
SHEET C001

PROJECT NO: 698277

REVISION 10:	
REVISION 9:	
REVISION 8:	
REVISION 7:	
REVISION 6:	
REVISION 5:	
REVISION 4:	
REVISION 3:	12/02/22
REVISION 2:	07/08/22
REVISION 1:	03/22/22

ORIGINAL DATE: 11/11/21

VESTING TENTATIVE MAP NO. 2587526
NEIGHBORHOOD DEVELOPMENT PERMIT NO. 2596225/SITE DEVELOPMENT PERMIT NO. 2587528/REZONE NO. 2587530
PALM HOLLISTER APARTMENTS
CITY OF SAN DIEGO, CALIFORNIA



LEGEND

- PROPERTY LINE
- RIGHT-OF-WAY LINE
- CENTER LINE
- ADJOINING PROPERTY LINE
- TIE LINE / REFERENCE LINE
- EASEMENT LINE

EASEMENTS OF RECORD - PER PTR

1. FRED W. STAFFORD, ET UX HOLDER OF AN EASEMENT FOR INGRESS AND EGRESS REC. 08/03/1954 B/P 5320-67, O.R.
2. SAN DIEGO GAS AND ELECTRIC COMPANY HOLDER OF AN EASEMENT FOR INGRESS AND EGRESS, REC. 07/03/1942 B/P 1305-177, O.R.
3. SAN DIEGO GAS AND ELECTRIC COMPANY HOLDER OF A UTILITY AND ACCESS EASEMENT, REC. 09/04/1959 B/P 7667-440, O.R.

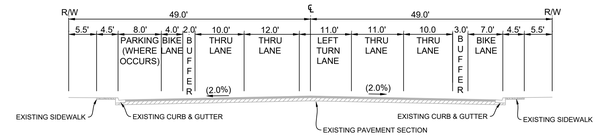
EASEMENTS OF RECORD - PER DOCUMENTS

4. EDWIN HOM HOLDER OF A SEWER EASEMENT REC. 07/10/85, F/P 1985-246527, O.R.
5. LUTHER JOHNSON ET UX HOLDER OF AN ACCESS EASEMENT RESERVED IN GRANT DEED, REC. 06/01/1893 B/P 211-412, O.R.
6. LUTHER JOHNSON ET UX HOLDER OF AN ACCESS EASEMENT RESERVED IN GRANT DEED, REC. 09/14/1909 B/P 476-115, O.R.
7. R.J. JAGER HOLDER OF AN ACCESS EASEMENT REC. 11/04/1910, B/P 501-373, DEEDS
8. LUTHER AND SARAH JOHNSON HOLDER OF AN ACCESS EASMENT, REC. 01/26/1897, B/P 264-64, DEEDS
9. COUNTY OF SAN DIEGO HOLDER OF AN EASEMENT FOR INGRESS AND EGRESS REC 01/13/06 AS F/P 2006-0028720, O.R.

REFERENCES

R1 - ROS 18992
R2 - PM 4417
R3 - ROS 1001
R4 - ROS 15594
R5 - ROS 15149
R6 - ROS 8728
R7 - CR 15444
R8 - CR 19871
R9 - ROS 24087
DD1 - DEED, REC 12/29/81; F/P 1981-405156, O.R.
DD2 - DEED , REC 08/24/17; F/P 2017-0387959, O.R.

SECTION 1
NOT TO SCALE



SECTION 2
NOT TO SCALE

GRAPHIC SCALE: 1" = 60'
60 30 0 60 120 180

APPROVAL NUMBERS:

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PREPARED BY:

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PROJECT NO: 698277

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ORIGINAL DATE: 11/11/21

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PROJECT ADDRESS:
555 HOLLISTER STREET
SAN DIEGO, CA 92154

SHEET No. / TITLE:
EXISTING CONDITIONS
SHEET C002

VESTING TENTATIVE MAP NO. 2587526
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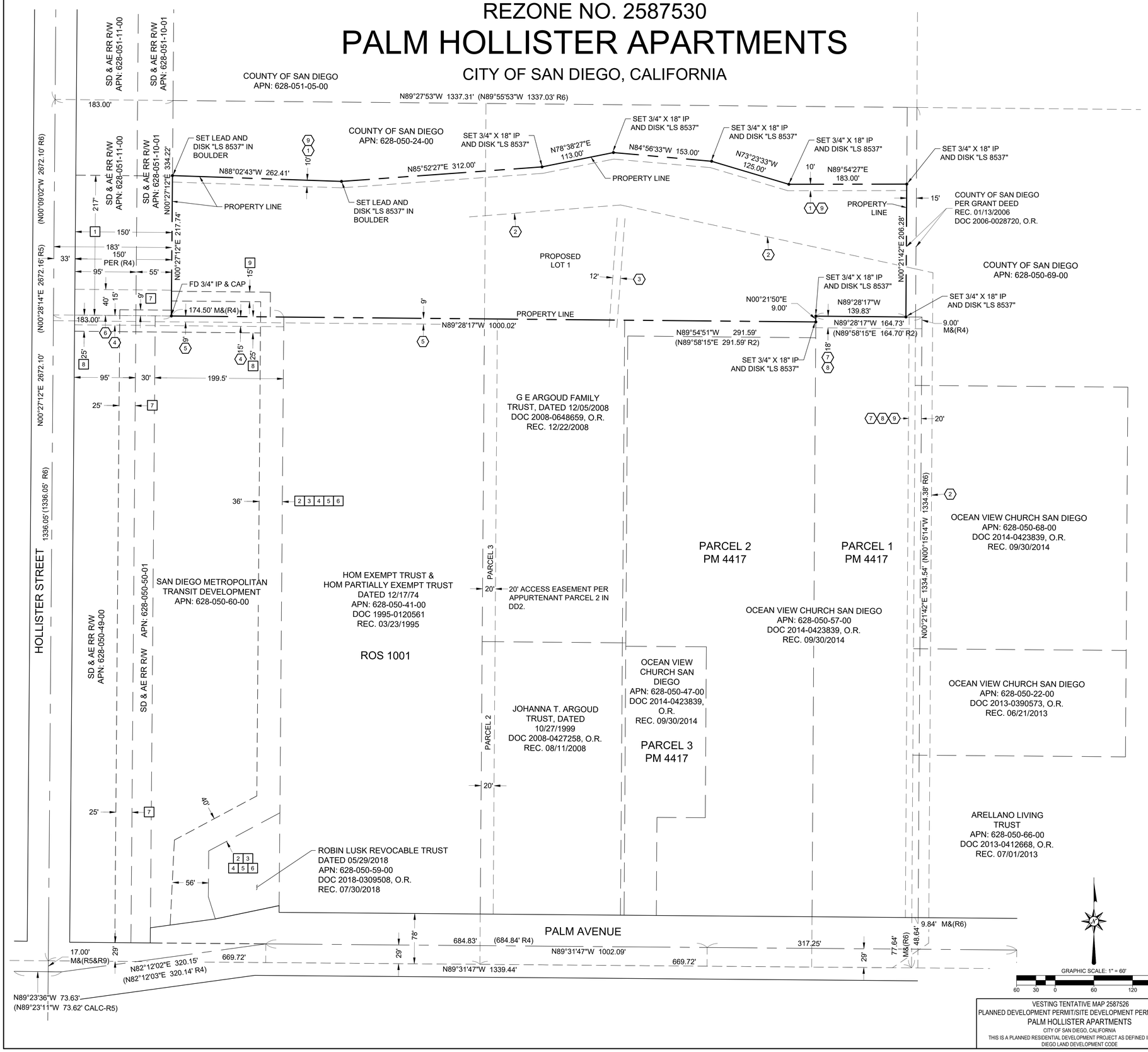
CITY OF SAN DIEGO, CALIFORNIA



LEGEND

- PROPERTY LINE
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- CENTER LINE
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- TIE LINE / REFERENCE LINE
- EASEMENT LINE
- MONUMENT PER ROS 24087

OWNER

APN: 628-050-24-00

D.I.M.E. HOLLISTER LLC
CONTACT: DANIEL HERNANDEZ
2284 PALM AVENUE
SAN DIEGO, CA 92154
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SIGNATURE _____ DATE _____

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TOPOGRAPHY SOURCE

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VERTICAL BENCH TABLE PUBLISHED JANUARY 2008, CITY OF SAN DIEGO

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PROPOSED: 5.92 ACRES RM-2-6

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EXISTING EASEMENT TABLE

NO.	PURPOSE	OWNER	REFERENCE	DATE	DISPOSITION
1	ACCESS	FRED W. STAFFORD	BOOK 5320 PAGE 67	AUGUST 3, 1954	TO REMAIN
2	ACCESS	SAN DIEGO GAS & ELECTRIC	BOOK 1355 PAGE 177	JULY 3, 1954	TO BE VACATED
3	UTILITY AND ACCESS	SAN DIEGO GAS & ELECTRIC	BOOK 7667 PAGE 440	SEPTEMBER 4, 1959	TO BE VACATED
4	PVT SEWER	EDWIN HOM	DOC. NO. 1985-246527	JULY 10, 1985	TO REMAIN
5	ACCESS	LUTHER JOHNSON	BOOK 211 PAGE 412	JUNE 1, 1893	QUITCLAIM
6	ACCESS	LUTHER JOHNSON	BOOK 476 PAGE 115	SEPTEMBER 14, 1909	QUITCLAIM
7	ACCESS	R.J. JAGER	BOOK 501 PAGE 373	NOVEMBER 4, 1910	TO REMAIN
8	ACCESS	LUTHER AND SARAH JOHNSON	BOOK 264 PAGE 64	JANUARY 26, 1897	TO REMAIN
9	ACCESS	COUNTY OF SAN DIEGO	DOC. NO. 2006-0028720	JANUARY 13, 2006	TO REMAIN

PROPOSED EASEMENTS

1. RAILWAY UTILITY EASEMENT
2. ACCESS EASEMENT
3. UTILITY (WATER/ELECTRICAL/GAS) EASEMENT
4. ACCESS ROAD EASEMENT
5. LANDSCAPE EASEMENT
6. SIGNAGE EASEMENT
7. PEDESTRIAN ACCESS EASEMENT
8. WATER EASEMENT
9. SEWER EASEMENT

CONDOMINIUM NOTE

THIS IS A CONDOMINIUM PROJECT AS DEFINED IN SECTION 4125 OF THE CIVIL CODE OF THE STATE OF CALIFORNIA AND IS FILED PURSUANT TO THE SUBDIVISION MAP ACT. TOTAL NUMBER OF RESIDENTIAL UNITS:

LOT 1: 198

LOT SUMMARY TABLE

LOT #	AREA (ACRES)	RESIDENTIAL/CONDO UNITS
PROPOSED LOT 1	5.92	198

REFERENCES

R1 - ROS 18992
R2 - PM 4417
R3 - ROS 1001
R4 - ROS 15594
R5 - ROS 15149
R6 - ROS 8728
R7 - CR 15444
R8 - CR 19871
R9 - ROS 24087
DD1 - DEED, REC 12/29/81; F/P 1981-405156, O.R.
DD2 - DEED , REC 08/24/17; F/P 2017-0387959, O.R.

APPROVAL NUMBERS:

VESTING TENTATIVE MAP APPROVAL NO. 2587526
SDP APPROVAL NO. 2587528
NDP APPROVAL NO. 2596225
REZONE NO. 2587530

REGISTERED PROFESSIONAL ENGINEER GREGORY W. LANG RCE No. C68075 EXP. 06-30-23 CIVIL STATE OF CALIFORNIA

PREPARED BY:

PASCO LARET SUITER & ASSOCIATES
San Diego | Encinitas | Orange County
Phone 858.259.8212 | www.plsaengineering.com

PROJECT NO: 698277

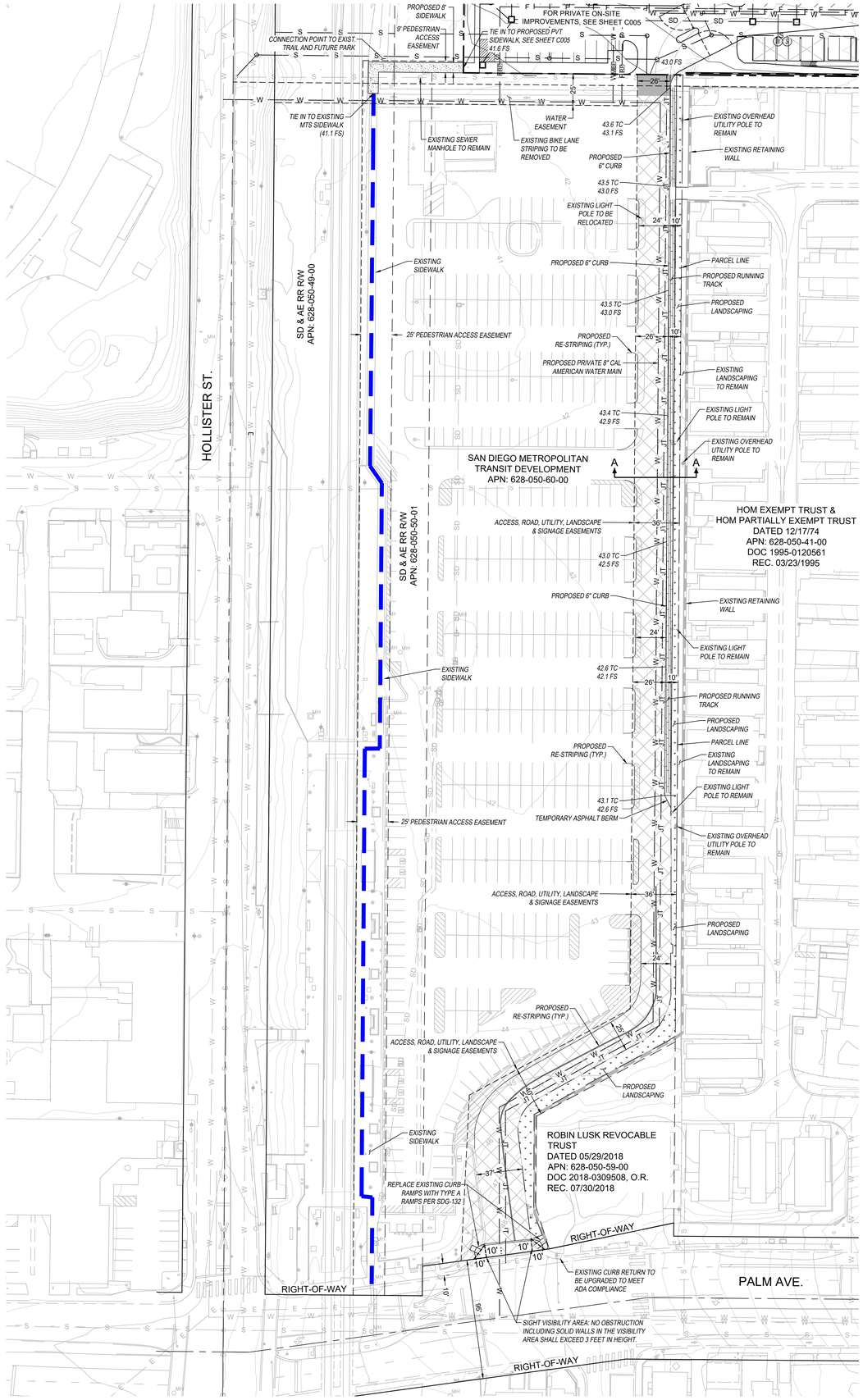
REVISION 10: _____
REVISION 9: _____
REVISION 8: _____
REVISION 7: _____
REVISION 6: _____
REVISION 5: _____
REVISION 4: _____
REVISION 3: 12/02/22
REVISION 2: 07/08/22
REVISION 1: 03/22/22

ORIGINAL DATE: 11/11/21

VESTING TENTATIVE MAP 2587526
PLANNED DEVELOPMENT PERMIT/SITE DEVELOPMENT PERMIT/REZONE
PALM HOLLISTER APARTMENTS
CITY OF SAN DIEGO, CALIFORNIA
THIS IS A PLANNED RESIDENTIAL DEVELOPMENT PROJECT AS DEFINED IN THE SAN DIEGO LAND DEVELOPMENT CODE

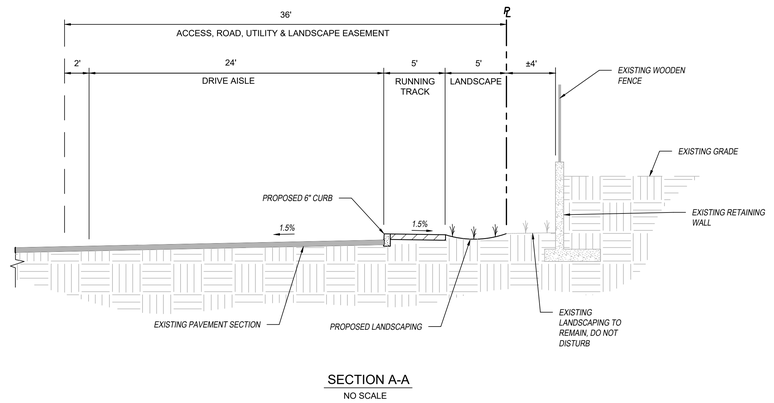
PROJECT ADDRESS:
555 HOLLISTER STREET
SAN DIEGO, CA 92154

SHEET No. / TITLE:
VESTING TENTATIVE MAP
SHEET C003



LEGEND

- PROPERTY LINE
- RIGHT-OF-WAY
- ADJACENT PARCEL LINE
- PROPOSED EASEMENT LINE
- ROADWAY CENTERLINE
- EXISTING CONTOUR
- PROPOSED PRIVATE WATER MAIN
- PROPOSED DRY UTILITY JOINT TRENCH
- PROPOSED PRIVATE FIRE MAIN
- PROPOSED PRIVATE SEWER MAIN
- PROPOSED PRIVATE STORM DRAIN
- EXISTING STORM DRAIN
- EXISTING SEWER
- EXISTING WATER
- EXISTING STORM DRAIN STRUCTURE
- PROPOSED 6" PCC CURB
- EXISTING RETAINING WALL
- PROPOSED CONCRETE SIDEWALK
- PROPOSED RUNNING TRACK
- PROPOSED LANDSCAPING
- PROPOSED ASPHALT PAVING
- PROPOSED SLURY SEAL
- PEDESTRIAN ACCESS TO SITE
- SITE VISIBILITY AREA
- TYPE A CURB RAMP PER SDG-132



SECTION A-A
NO SCALE

GRAPHIC SCALE: 1" = 40'
40 20 0 40 80 120

APPROVAL NUMBERS:

VESTING TENTATIVE MAP APPROVAL NO. 2587526
SDP APPROVAL NO. 2587528
NDP APPROVAL NO. 2596225
REZONE NO. 2587530

REGISTERED PROFESSIONAL ENGINEER GREGORY W. LANG RCE No. C68075 EXP. 06-30-23 CIVIL STATE OF CALIFORNIA

PREPARED BY:

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PROJECT NO: 698277

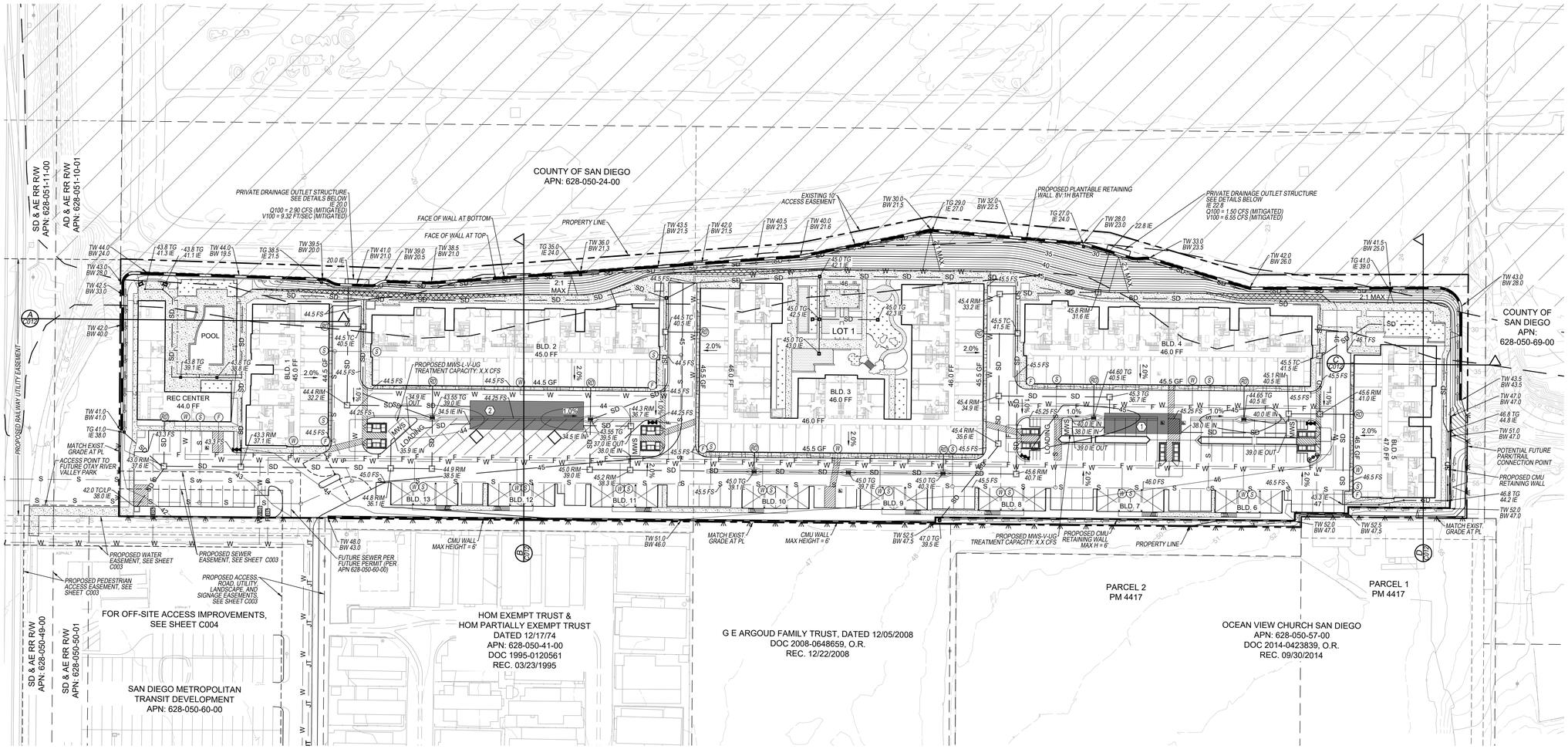
REVISION 10:
REVISION 9:
REVISION 8:
REVISION 7:
REVISION 6:
REVISION 5:
REVISION 4:
REVISION 3: 12/02/22
REVISION 2: 07/08/22
REVISION 1: 03/22/22

ORIGINAL DATE: 11/11/21

VESTING TENTATIVE MAP 2587526
PLANNED DEVELOPMENT PERMIT/SITE DEVELOPMENT PERMIT/REZONE
PALM HOLLISTER APARTMENTS
CITY OF SAN DIEGO, CALIFORNIA
THIS IS A PLANNED RESIDENTIAL DEVELOPMENT PROJECT AS DEFINED IN THE SAN DIEGO LAND DEVELOPMENT CODE

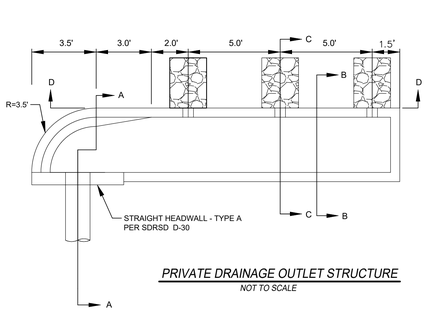
PROJECT ADDRESS:
555 HOLLISTER STREET
SAN DIEGO, CA 92154

SHEET No. / TITLE:
OFF-SITE ACCESS PLAN
SHEET C004

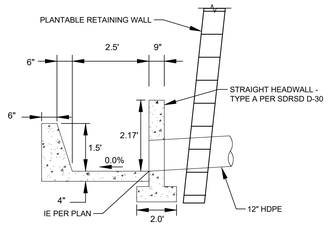


LEGEND

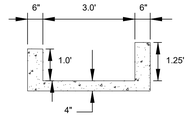
- PROPERTY LINE
- ADJACENT PARCEL LINE
- ROADWAY CENTERLINE
- EXISTING CONTOUR
- EXISTING SEWER MANHOLE / MAIN
- EXISTING PUBLIC SANITARY SEWER MAIN
- EXISTING PUBLIC WATER MAIN
- EXISTING STORM DRAIN STRUCTURE
- PROPOSED CONTOUR
- PROPOSED 6" PCC CURB
- PROPOSED 6" PCC CURB & GUTTER
- LIMIT OF GRADING LINE
- PROPOSED SEWER MANHOLE (SMH)
- PROPOSED PRIVATE FIRE MAIN
- PROPOSED PRIVATE WATER MAIN
- PROPOSED PRIVATE SANITARY SEWER MAIN
- PROPOSED STORM DRAIN
- PROPOSED DRY UTILITY JOINT TRENCH
- PROPOSED STORM DRAIN STRUCTURE / INLET
- PROPOSED UNDERGROUND STORM WATER CISTERN
- PROPOSED MODULAR WETLAND SYSTEM (MWS)
- BUILDING FIRE SERVICE
- BUILDING WATER SERVICE
- BUILDING SEWER SERVICE
- BUILDING ROOF DRAIN
- PROPOSED BROW DITCH
- PROPOSED RETAINING WALL
- PROPOSED DECK OVERHANG PER LANDSCAPE SHEETS
- PROPOSED DOMESTIC WATER METER AND BACKFLOW DEVICE (M BF)
- PROPOSED FIRE SERVICE BACKFLOW (RP)
- PROPOSED PRIVATE FIRE HYDRANT
- PROPOSED PRIVATE FDC/PIV
- PROPOSED CONCRETE SIDEWALK PER LANDSCAPE SHEETS
- PROPOSED DECOMPOSED GRANITE PER LANDSCAPE SHEETS
- PROPOSED ARTIFICIAL TURF PER LANDSCAPE SHEETS
- EXISTING FEMA ZONE AE PER MAP NUMBER 06073C2154H REVISED APRIL 5, 2016
- EXISTING FEMA ZONE X PER MAP NUMBER 06073C2154H REVISED APRIL 5, 2016
- SITE SECTION (SEE SHEET C012)



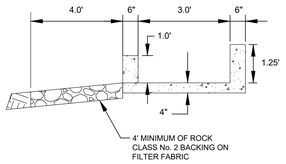
PRIVATE DRAINAGE OUTLET STRUCTURE
NOT TO SCALE



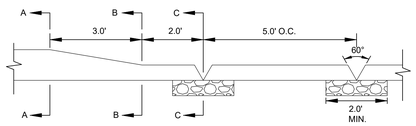
SECTION A-A
NOT TO SCALE



SECTION B-B
NOT TO SCALE



SECTION C-C
NOT TO SCALE



SECTION D-D
NOT TO SCALE

STORM WATER CISTERN TABLE

BMP ID	BMP TYPE	STRUCTURAL BMP ID	OWNERSHIP	BMP VOLUME REQUIRED*	BMP VOLUME PROVIDED*	VAULT FLOOR ELEV.	PONDING ELEV.	VAULT SOFFIT	VAULT IE IN	VAULT IE OUT	LOW FLOW ORIFICE SIZE (IN)	OVERFLOW WEIR LENGTH (FT)	OVERFLOW WEIR HEIGHT (FT)	OVERFLOW WEIR ELEV.
①	CISTERN (HU-1)	BMP 1	AMBIENT COMMUNITIES	7,192 CF	7,192 CF	37.00	42.37	42.67	38.00	37.00	4"	14	0.3	42.37
②	CISTERN (HU-1)	BMP 2	AMBIENT COMMUNITIES	14,807 CF	14,807 CF	33.50	38.67	38.17	34.50	33.50	6"	13	0.5	38.67

* BMP VOLUMES INCLUDE A 26" GRAVEL LAYER FOR BMP 1 AND AN 23" GRAVEL LAYER FOR BMP 2, BELOW THE VAULT.

ONSITE UTILITY TABLE

UTILITY TYPE	UTILITY STATUS	UTILITY NOTES
WATER	UNDERGROUND	PROPOSED
SEWER	UNDERGROUND	PROPOSED
STORM DRAIN	UNDERGROUND	PROPOSED
FIRE	UNDERGROUND	PROPOSED
ELECTRICAL	UNDERGROUND	EXISTING OVERHEAD UTILITY TO BE UNDERGROUNDED PER SDGE WORK ORDER NO.
GAS	UNDERGROUND	PROPOSED

NOTE: THE SUBDIVIDER SHALL ENSURE THAT ALL ONSITE UTILITIES SERVING THE SUBDIVISION SHALL BE UNDERGROUNDED WITH THE APPROPRIATE PERMITS

IMPERVIOUS AREAS

TOTAL DISTURBANCE AREA:	5.59 ACRES
EXISTING AMOUNT OF IMPERVIOUS AREA:	0.07 ACRES
PROPOSED AMOUNT OF IMPERVIOUS AREA:	4.28 ACRES
AMOUNT OF REPLACED IMPERVIOUS AREA:	0.07 CY
EXISTING AMOUNT OF PERVIOUS AREA:	5.85 CY
PROPOSED AMOUNT OF PERVIOUS AREA:	1.31 ACRES
TOTAL IMPERVIOUS AREA:	4.28 ACRES
IMPERVIOUS % INCREASE:	6114%

STORM WATER BMP NOTE:

THE PROPOSED PROJECT WILL COMPLY WITH ALL THE REQUIREMENTS OF THE CURRENT CITY OF SAN DIEGO STORM WATER STANDARDS MANUAL BEFORE A GRADING OR BUILDING PERMIT IS ISSUED. IT IS THE RESPONSIBILITY OF THE OWNER/DESIGNER/ APPLICANT TO ENSURE THAT THE CURRENT STORM WATER PERMANENT BMP DESIGN STANDARDS ARE INCORPORATED INTO THE PROJECT.

GRAPHIC SCALE: 1" = 40'
40 20 0 40 80 120

GRADING QUANTITIES

TOTAL SITE AREA	5.92 ACRES
GRADED AREA	5.50 ACRES
CUT QUANTITIES	15,000 CY
FILL QUANTITIES	38,500 CY
IMPORT	23,500 CY
MAX CUT DEPTH	13 FT
MAX FILL DEPTH	25 FT
MAX SLOPE	2:1

NOTE:
THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THEIR OWN INDEPENDENT QUANTITY & MATERIAL TAKE-OFFS TO CONSTRUCT THE DESIGN AS INDICATED ON THESE DRAWINGS & IN CONFORMANCE WITH THE PROJECT'S GEOTECHNICAL REPORT & SUBSEQUENT UPDATE LETTERS.

REMEDIAL GRADING QUANTITIES

TOTAL VOLUME: 67,000 CY
MAX CUT: 17 FT

STORM DRAINAGE SYSTEM

1. THIS PROJECT WILL NOT DISCHARGE ANY INCREASE IN STORM WATER RUN-OFF ONTO THE EXISTING HILLSIDE AREAS.
2. AT THE STORM WATER DISCHARGE LOCATIONS, SUITABLE ENERGY DISSIPATERS ARE TO BE INSTALLED TO REDUCE THE DISCHARGE TO NON-ERODIBLE VELOCITIES.
3. MULTIPLE STORM WATER DISCHARGE LOCATIONS WILL BE USED TO MIMIC THE EXISTING DRAINAGE PATTERN.
4. RUNOFF QUALITY WILL BE MAINTAINED USING BEST MANAGEMENT PRACTICES (BMPS) IN ACCORDANCE WITH THE STORM WATER QUALITY MANAGEMENT PLAN (SWQMP). MODIFICATION OF BMP TYPE MAY BE REQUIRED DURING FINAL DESIGN OF PROJECT. MODIFICATIONS OR CHANGES SHALL BE ACCOMPLISHED BY APPROVED ADDENDUM TO THE SWQMP AT FINAL DESIGN. ALL STORM WATER BMPS SHALL BE MAINTAINED BY THE STORM WATER MANAGEMENT AND DISCHARGE CONTROL MAINTENANCE AGREEMENT EXCUTED WITH THE FINAL DESIGN.
5. ALL STORM DRAINS WILL BE 12 INCHES IN DIAMETER UNLESS OTHERWISE NOTED.
6. BIO SWALES TO BE CONSTRUCTED IN ACCORDANCE WITH EPA AND/OR CALIFORNIA STORM WATER QUALITY ASSOCIATION GUIDELINES.
7. THE DRAINAGE SYSTEM PROPOSED FOR THIS SUBDIVISION AS SHOWN ON THE VESTING TENTATIVE MAP IS SUBJECT TO FINAL APPROVAL BY THE CITY ENGINEER DURING FINAL DESIGN.
8. ALL GRATE INLETS SHALL HAVE GRATES SAFE FOR PEDESTRIAN AND ARE TRAFFIC RATED.

APPROVAL NUMBERS:

VESTING TENTATIVE MAP APPROVAL NO. 2587526
SDP APPROVAL NO. 2587528
NDP APPROVAL NO. 2596225
REZONE NO. 2587530

REGISTERED PROFESSIONAL ENGINEER GREGORY W. LANG RCE No. C68075 EXP. 06-30-23 CIVIL STATE OF CALIFORNIA

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PROJECT NO: 698277

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REVISION 1: 03/22/22

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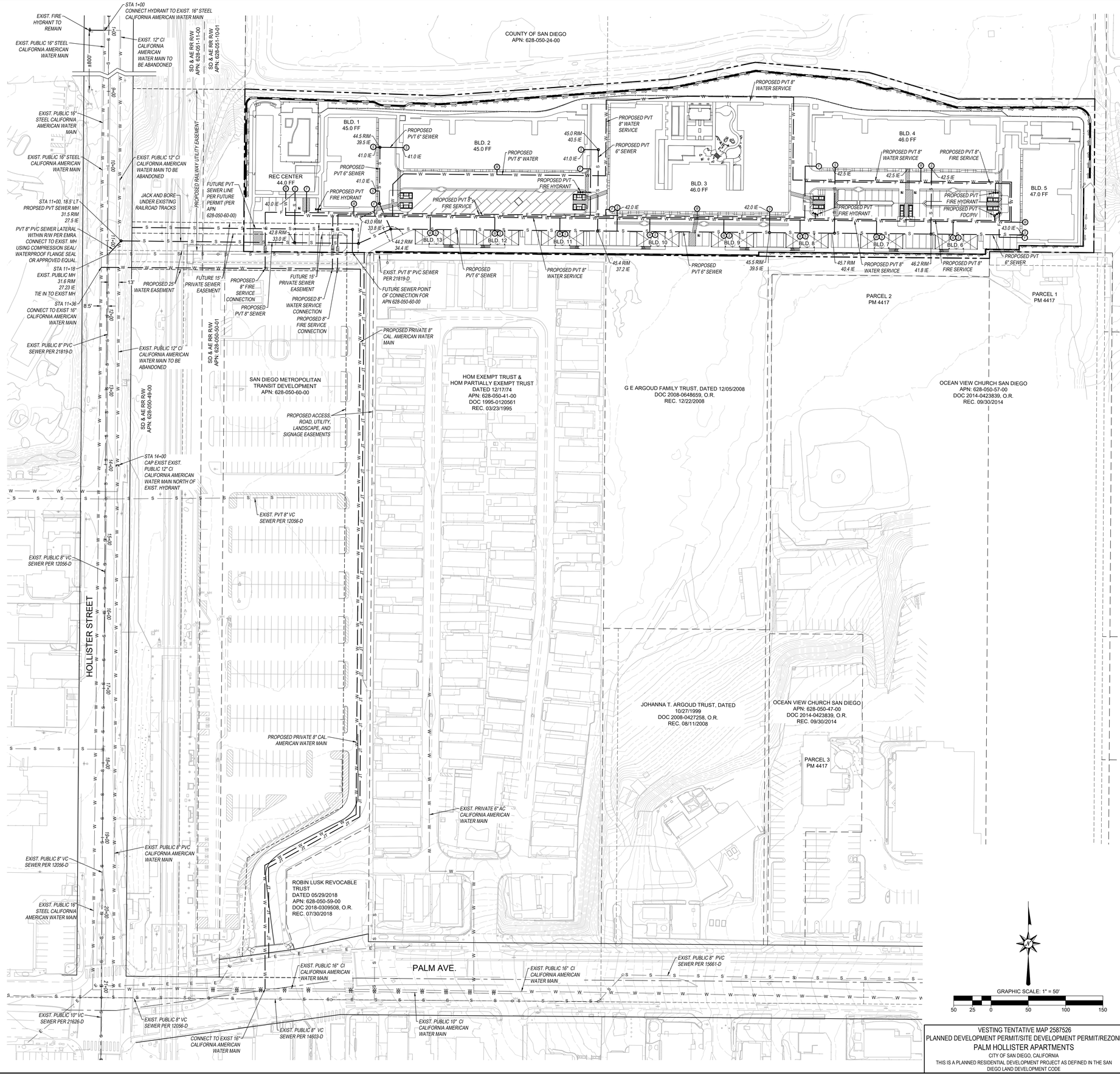
VESTING TENTATIVE MAP 2587526
PLANNED DEVELOPMENT PERMIT/SITE DEVELOPMENT PERMIT/REZONE
PALM HOLLISTER APARTMENTS
CITY OF SAN DIEGO, CALIFORNIA
THIS IS A PLANNED RESIDENTIAL DEVELOPMENT PROJECT AS DEFINED IN THE SAN DIEGO LAND DEVELOPMENT CODE

PROJECT ADDRESS:
555 HOLLISTER STREET
SAN DIEGO, CA 92154

SHEET No. / TITLE:
GRADING AND DRAINAGE
SHEET C005



LEGEND

- PROPERTY LINE
- RIGHT-OF-WAY
- PROPOSED EASEMENT LINE
- ADJACENT PARCEL LINE
- ROADWAY CENTERLINE
- EXISTING INDEX CONTOUR
- EXISTING SEWER MANHOLE / MAIN
- EXISTING PUBLIC SANITARY SEWER MAIN
- EXISTING PUBLIC WATER MAIN
- PROPOSED 6" PCC CURB
- PROPOSED 6" PCC CURB & GUTTER
- PROPOSED SEWER MANHOLE (SMH)
- PROPOSED PRIVATE FIRE MAIN
- PROPOSED PRIVATE WATER MAIN
- PROPOSED PRIVATE SANITARY SEWER MAIN
- PROPOSED DRY UTILITY JOINT TRENCH
- BUILDING FIRE SERVICE
- BUILDING WATER SERVICE
- BUILDING SEWER SERVICE
- PROPOSED RETAINING WALL
- PROPOSED PRIVATE FIRE HYDRANT
- PROPOSED PRIVATE FDC/PIV
- PROPOSED DOMESTIC WATER METER AND BACKFLOW
- PROPOSED FIRE SERVICE BACKFLOW

GENERAL UTILITY NOTES

WATER SYSTEM*

1. ALL PRIMARY FIRE DISTRIBUTION LINES WILL BE 8 INCHES IN DIAMETER UNLESS OTHERWISE NOTED.
2. THE OWNER SHALL DESIGN AND CONSTRUCT ALL PUBLIC WATER FACILITIES, BOTH POTABLE AND RECLAIMED, AS REQUIRED AND NECESSARY TO SERVE THIS DEVELOPMENT. WATER FACILITIES, AS SHOWN ON THE APPROVED VESTING TENTATIVE MAP MAY REQUIRE MODIFICATION BASED ON FINAL ENGINEERING.
3. THE OWNER SHALL INSTALL FIRE HYDRANTS AT LOCATION SATISFACTORY TO THE FIRE DEPARTMENT AND THE CITY ENGINEER. IF MORE THAN TWO (2) FIRE HYDRANTS ARE LOCATED ON A DEAD END MAIN THEN THE OWNER SHALL INSTALL A REDUNDANT WATER SYSTEM SATISFACTORY TO THE WATER DEPARTMENT DIRECTOR. FIRE HYDRANTS WILL BE INSTALLED SO THAT ALL BUILDINGS HAVE ACCESS WITHIN 300 FEET TO AT LEAST ONE HYDRANT, UNLESS OTHERWISE APPROVED BY THE FIRE MARSHALL.
4. THE OWNER SHALL GRANT ADEQUATE WATER EASEMENTS INCLUDING VEHICULAR ACCESS TO EACH APPURTENANCE (METERS, BLOW OFFS, VALVES, FIRE HYDRANTS, ETC.), FOR ALL PUBLIC WATER FACILITIES THAT ARE NOT LOCATED IN THE PUBLIC RIGHT-OF-WAY, SATISFACTORY TO THE WATER DEPARTMENT DIRECTOR.
5. THE OWNER SHALL PROCESS ENCROACHMENT MAINTENANCE AND REMOVAL AGREEMENT (EMRA) FOR ALL ACCEPTABLE ENCROACHMENTS, INCLUDING BUT NOT LIMITED TO STRUCTURES, ENHANCED PAVING, OR LANDSCAPING, INTO ANY EASEMENT CONTAINING PUBLIC WATER FACILITIES. NO STRUCTURES OR LANDSCAPING OF ANY KIND SHALL BE INSTALLED IN OR OVER ANY VEHICULAR ACCESS ROADWAY.
6. THE OWNER SHALL DESIGN AND CONSTRUCT ALL IRRIGATION SYSTEMS TO UTILIZE RECLAIMED WATER IN A MANNER SATISFACTORY TO THE WATER DEPARTMENT DIRECTOR.
7. THE OWNER AGREES TO DESIGN AND CONSTRUCT ALL PROPOSED PUBLIC WATER METER FACILITIES INCLUDING BUT NOT LIMITED TO SERVICES, METERS, AND EASEMENT, IN ACCORDANCE WITH ESTABLISHED CRITERIA IN THE MOST CURRENT EDITION OF THE CITY OF SAN DIEGO WATER FACILITY DESIGN GUIDELINES AND THE CITY REGULATIONS, STANDARDS AND PRACTICES PERTAINING THERETO. WATER FACILITIES SHALL BE MODIFIED AT FINAL ENGINEERING TO COMPLY WITH STANDARDS.

PRIVATE SANITARY SEWER*

1. PRIVATE SEWER FACILITIES THAT SERVICE MORE THAN ONE LOT WILL BE DESIGNED AND CONSTRUCTED IN ACCORDANCE WITH THE MOST CURRENT CITY OF SAN DIEGO SEWER DESIGN GUIDE. ACCORDINGLY, A SEWER STUDY , IMPROVEMENT DRAWINGS, AND INSPECTION BY THE FIELD ENGINEERING DIVISION WILL BE REQUIRED. ALL SEWERAGE FACILITIES ARE PRIVATELY OWNED AND MAINTAINED. THE CC&R'S FOR THIS DEVELOPMENT WILL OUTLINE RESPONSIBILITY AND MAINTENANCE REQUIREMENTS FOR THE ON-SITE PRIVATE SEWER SYSTEM FOR THIS PROJECT.
2. NO LANDSCAPING WILL BE PERMITTED THAT OBSTRUCTS VEHICULAR ACCESS TO THE SEWER MAINS. NO TREES OR SHRUBS EXCEEDING THREE FEET IN HEIGHT AT MATURITY SHALL BE INSTALLED WITHIN 10 FEET OF ANY SEWER FACILITY OR LATERALS.
3. ALL UTILITIES (PUBLIC OR PRIVATE) ARE REQUIRED TO MEET THE CITY'S DESIGN STANDARDS FOR SEPARATION. THE SEWER MAINS MUST BE 5' EDGE-TO-EDGE FROM STORM DRAIN AND 10' EDGE-TO-EDGE FROM ALL OTHER UTILITIES OR IMPROVEMENTS.
4. PRIOR TO THE ISSUANCE OF ANY BUILDING PERMITS, THE DEVELOPER SHALL ASSURE, BY PERMIT AND BOND, THE DESIGN AND CONSTRUCTION OF ALL SEWER FACILITIES NECESSARY TO SERVE THIS DEVELOPMENT.

FIRE NOTES

1. POST INDICATOR VALVES, FIRE DEPARTMENT CONNECTIONS, AND ALARM BELLS ARE TO BE LOCATED ON THE ADDRESS/ACCESS SIDE OF THE STRUCTURE.
2. PROVIDE BUILDING ADDRESS NUMBERS, VISIBLE AND LEGIBLE FROM THE STREET OR ROAD FRONTING THE PROPERTY PER FHPS POLICY P-00-6.

UTILITY EASEMENTS

1. NEW UTILITY EASEMENTS WILL BE DEDICATED PER THE FINAL MAP BASED ON THE FINAL ENGINEERING AND DESIGN OF THE PUBLIC FACILITIES.

*ALL ON-SITE WATER AND SEWER SYSTEMS ARE PRIVATE.

BACKFLOW PREVENTION

ALL WATER SERVICES TO THE SITE, INCLUDING DOMESTIC, IRRIGATION AND FIRE, WILL REQUIRE PRIVATE, ABOVE GROUND BACK FLOW PREVENTION DEVICES (BFPDS). BFPDS SHALL BE LOCATED ON PRIVATE PROPERTY, IN LINE WITH THE SERVICE AND IMMEDIATELY ADJACENT TO THE RIGHT-OF-WAY. THE REQUIRED BFPDS TO BE LOCATED BELOW GRADE OR WITHIN THE STRUCTURE.

EMRA NOTE

PRIVATE SEWER LATERAL ENCROACHING INTO THE PUBLIC RIGHT OF WAY WILL REQUIRE AN ENCROACHMENT, MAINTENANCE AND REMOVAL AGREEMENT (EMRA).

APPROVAL NUMBERS:

VESTING TENTATIVE MAP APPROVAL NO. 2587526
SDP APPROVAL NO. 2587528
NDP APPROVAL NO. 2596225
REZONE NO. 2587530

VESTING TENTATIVE MAP 2587526
PLANNED DEVELOPMENT PERMIT/SITE DEVELOPMENT PERMIT/REZONE
PALM HOLLISTER APARTMENTS
CITY OF SAN DIEGO, CALIFORNIA
THIS IS A PLANNED RESIDENTIAL DEVELOPMENT PROJECT AS DEFINED IN THE SAN DIEGO LAND DEVELOPMENT CODE

REGISTERED PROFESSIONAL ENGINEER GREGORY W. LANG RCE No. C68075 EXP. 06-30-23 CIVIL STATE OF CALIFORNIA

PREPARED BY:

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San Diego | Encinitas | Orange County
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PROJECT ADDRESS:
555 HOLLISTER STREET
SAN DIEGO, CA 92154

SHEET No. / TITLE:
SITE UTILITIES
SHEET C006

PROJECT NO: 698277

REVISION 10:	
REVISION 9:	
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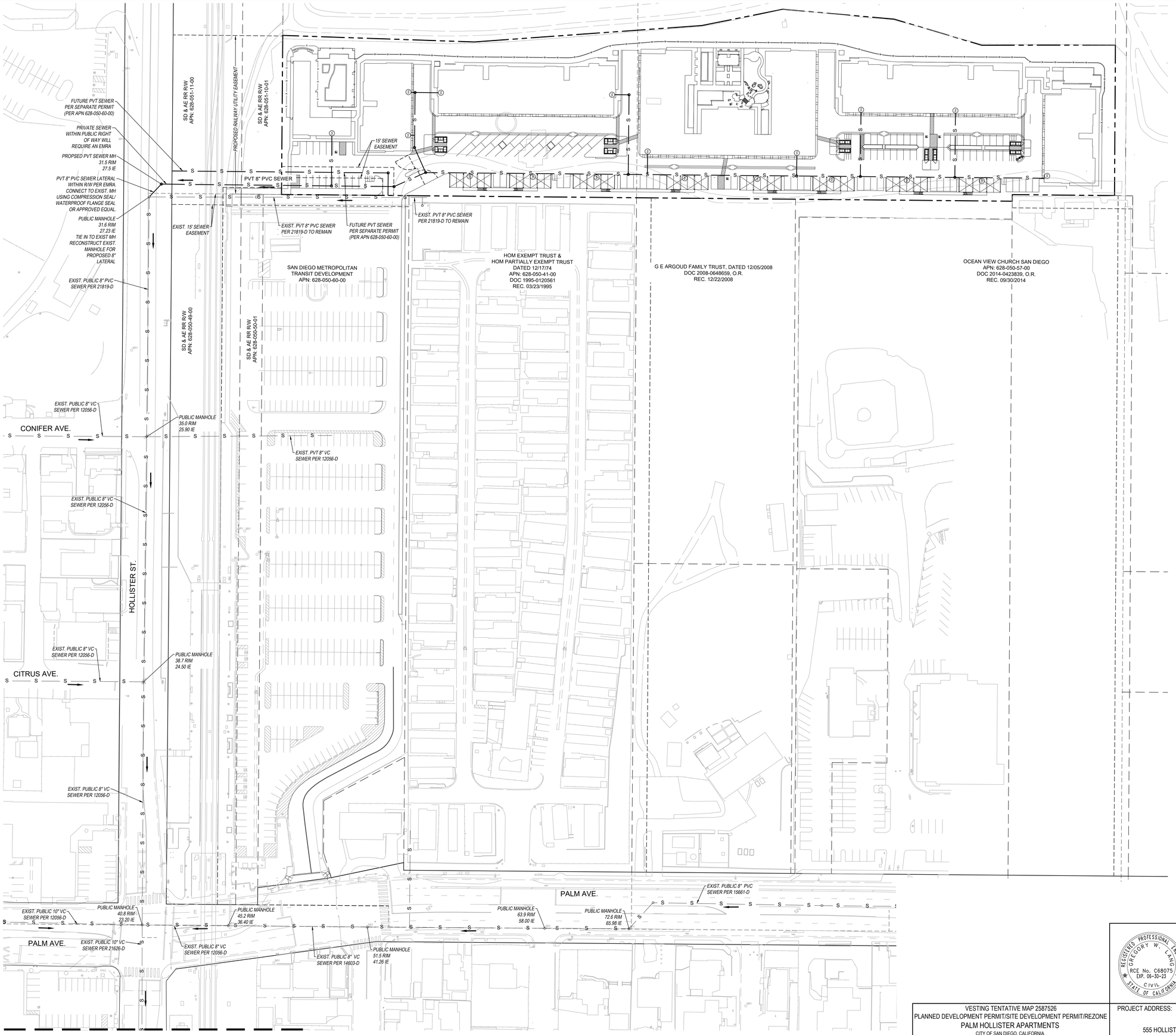

LEGEND

- PROPERTY LINE
- RIGHT-OF-WAY
- EASEMENT LINE
- ADJACENT PARCEL LINE
- EXISTING SEWER MANHOLE / MAIN
- EXISTING PUBLIC SANITARY SEWER MAIN — S
- PROPOSED SEWER MANHOLE (SMH)
- PROPOSED PRIVATE SANITARY SEWER MAIN — S
- BUILDING SEWER SERVICE — (S)
- SEWER FLOW DIRECTION

APPROVAL NUMBERS:

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GRAPHIC SCALE: 1" = 50'
50 25 0 50 100 150

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555 HOLLISTER STREET
SAN DIEGO, CA 92154

SHEET No. / TITLE:
PUBLIC SEWER
SHEET C007

MATCH LINE - SEE SHEET C007

LEGEND

- RIGHT-OF-WAY
- EXISTING PUBLIC SANITARY SEWER MAIN — S
- EXISTING PUBLIC SANITARY SEWER MANHOLE
- SEWER FLOW DIRECTION

APPROVAL NUMBERS:

VESTING TENTATIVE MAP APPROVAL NO. 2587526
SDP APPROVAL NO. 2587528
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REZONE NO. 2587530

N

GRAPHIC SCALE: 1" = 50'

50 25 0 50 100 150

REGISTERED PROFESSIONAL ENGINEER — GREGORY W. LANG — RCE No. C68075 EXP. 06-30-23 — CIVIL — STATE OF CALIFORNIA

PREPARED BY:

PASCO LARET SUITER & ASSOCIATES
San Diego | Encinitas | Orange County
Phone 858.259.8212 | www.plsaengineering.com

PROJECT NO: 698277

REVISION 10:
REVISION 9:
REVISION 8:
REVISION 7:
REVISION 6:
REVISION 5:
REVISION 4:
REVISION 3: 12/02/22
REVISION 2: 07/08/22
REVISION 1: 03/22/22

ORIGINAL DATE: 11/11/21

VESTING TENTATIVE MAP 2587526
PLANNED DEVELOPMENT PERMIT/SITE DEVELOPMENT PERMIT/REZONE
PALM HOLLISTER APARTMENTS
CITY OF SAN DIEGO, CALIFORNIA
THIS IS A PLANNED RESIDENTIAL DEVELOPMENT PROJECT AS DEFINED IN THE SAN DIEGO LAND DEVELOPMENT CODE

PROJECT ADDRESS:
555 HOLLISTER STREET
SAN DIEGO, CA 92154

SHEET No. / TITLE:
PUBLIC SEWER
SHEET C008

LEGEND

RIGHT-OF-WAY

EXISTING PUBLIC SANITARY SEWER MAIN — S

EXISTING PUBLIC SANITARY SEWER MANHOLE

SEWER FLOW DIRECTION

MATCH LINE - SEE SHEET C008

APPROVAL NUMBERS:

VESTING TENTATIVE MAP APPROVAL NO. 2587526
SDP APPROVAL NO. 2587528
NDP APPROVAL NO. 2596225
REZONE NO. 2587530

N

GRAPHIC SCALE: 1" = 50'

50 25 0 50 100 150

REGISTERED PROFESSIONAL ENGINEER
GREGORY W. LANG
RCE No. C68075
EXP. 06-30-23
CIVIL
STATE OF CALIFORNIA

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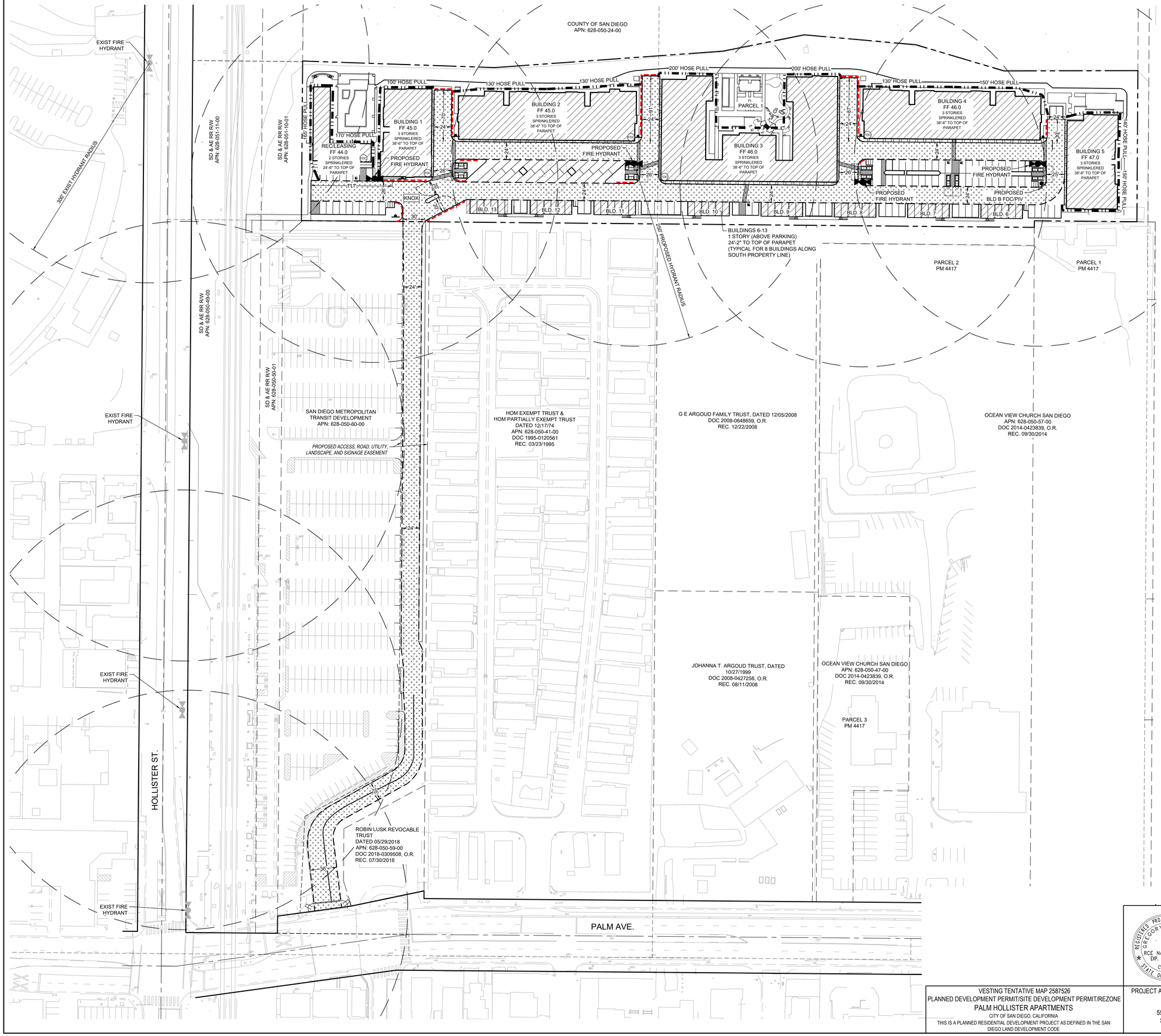
SAN DIEGO, CA 92154

SHEET No. / TITLE:
PUBLIC SEWER
SHEET C009



LEGEND

- PROPERTY LINE
- ADJACENT PARCEL LINE
- RIGHT-OF-WAY
- BUILDING FOOTPRINT
- HOSE EXTENSION AT BUILDING, FULLY SPRINKLERED
- RED PAINTED CURB
- PROPOSED FIRE HYDRANT WITH 250 FT RADIUS INDICATED
- EXISTING FIRE HYDRANT WITH 300 FT RADIUS INDICATED
- FIRE ACCESS LANE
- KNOX BOX MOUNTED BETWEEN 5 FT - 7 FT ABOVE FINISHED GRADE MEASURED FROM THE TOP OF THE BOX (KNOX)
- PROPOSED FDC/PIV
- "NO PARKING FIRE LANE" SIGN
- BUILDING MOUNTED PIV/FDC (FDC)
- FIRE HYDRANT RADIUS

FIRE ACCESS ROAD NOTE

MINIMUM INSIDE TURNING RADII OF FIRE ACCESS ROADS ARE 18'-4" AND MINIMUM WALL TO WALL TURNING RADII ARE 38'-8" TO MEET PIERCE FIRE TRUCK TURNING REQUIREMENTS FOR THE CITY OF SAN DIEGO.

APPROVAL NUMBERS:

VESTING TENTATIVE MAP APPROVAL NO. 2587526
SDP APPROVAL NO. 2587528
NDP APPROVAL NO. 2596225
REZONE NO. 2587530

GRAPHIC SCALE: 1" = 50'
50 25 0 50 100 150

REGISTERED PROFESSIONAL ENGINEER
GREGORY W. LARET
RCE No. C68075
EXP. 06-30-23
CIVIL
STATE OF CALIFORNIA

PREPARED BY:

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PALM HOLLISTER APARTMENTS
CITY OF SAN DIEGO, CALIFORNIA
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PROJECT ADDRESS:
555 HOLLISTER STREET
SAN DIEGO, CA 92154

SHEET No. / TITLE:
FIRE ACCESS PLAN
SHEET C010

PROJECT NO: 698277

REVISION 10:
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REVISION 7:
REVISION 6:
REVISION 5:
REVISION 4:
REVISION 3: 12/02/22
REVISION 2: 07/08/22
REVISION 1: 03/22/22

ORIGINAL DATE: 11/11/21

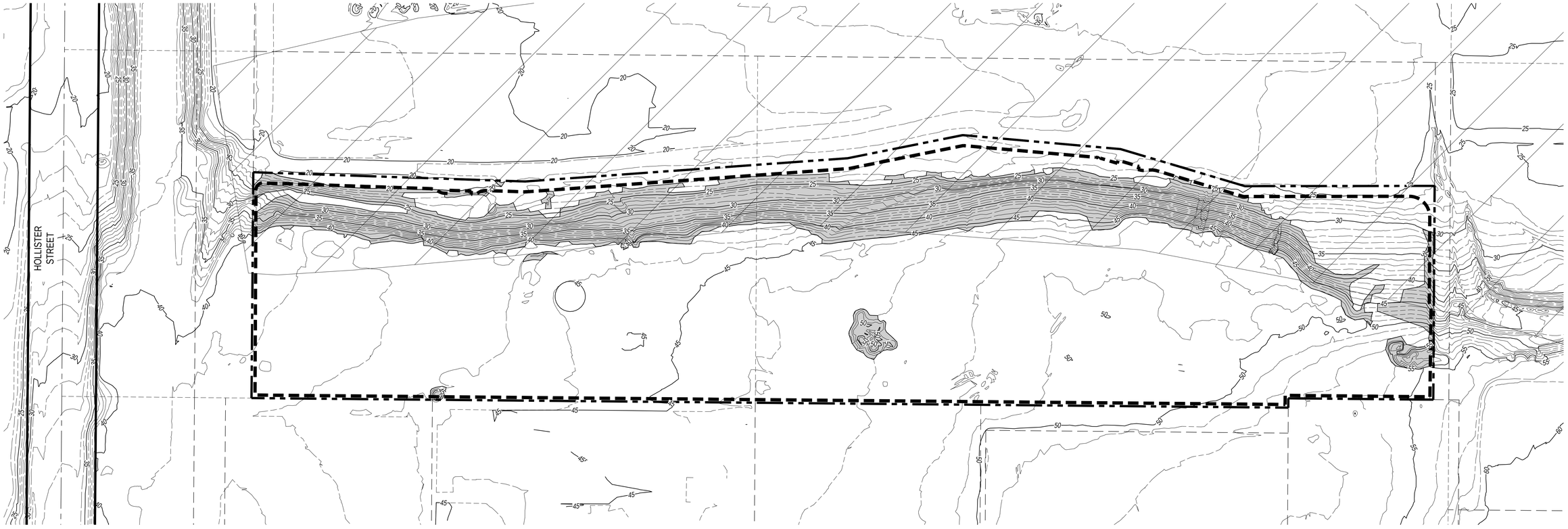
LEGEND

- PROPERTY LINE
- RIGHT-OF-WAY
- ADJACENT PARCEL LINE
- PROJECT IMPACT LINE
- EXISTING CONTOUR (45)
- EXISTING MHPA AREA (ESL)

SLOPE ANALYSIS

		AREA OF ENTIRE PROPERTY	PERCENTAGE OF ENTIRE PROPERTY
SLOPE < 25%		4.73 AC	80%
SLOPE ≥ 25%		1.19 AC	20%

NOTE: THERE ARE NO ESL "STEEP HILLSIDES" ON THE PREMISES. THE EXISTING SLOPE ALONG THE NORTH HALF OF THE PROPERTY IS A MANUFACTURED SLOPE.



GRAPHIC SCALE: 1" = 40'

40 20 0 40 80 120

APPROVAL NUMBERS:

VESTING TENTATIVE MAP APPROVAL NO. 2587526
SDP APPROVAL NO. 2587528
NDP APPROVAL NO. 2596225
REZONE NO. 2587530

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GREGORY W. LANG
RCE No. C68075
EXP. 06-30-23
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STATE OF CALIFORNIA

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CITY OF SAN DIEGO, CALIFORNIA
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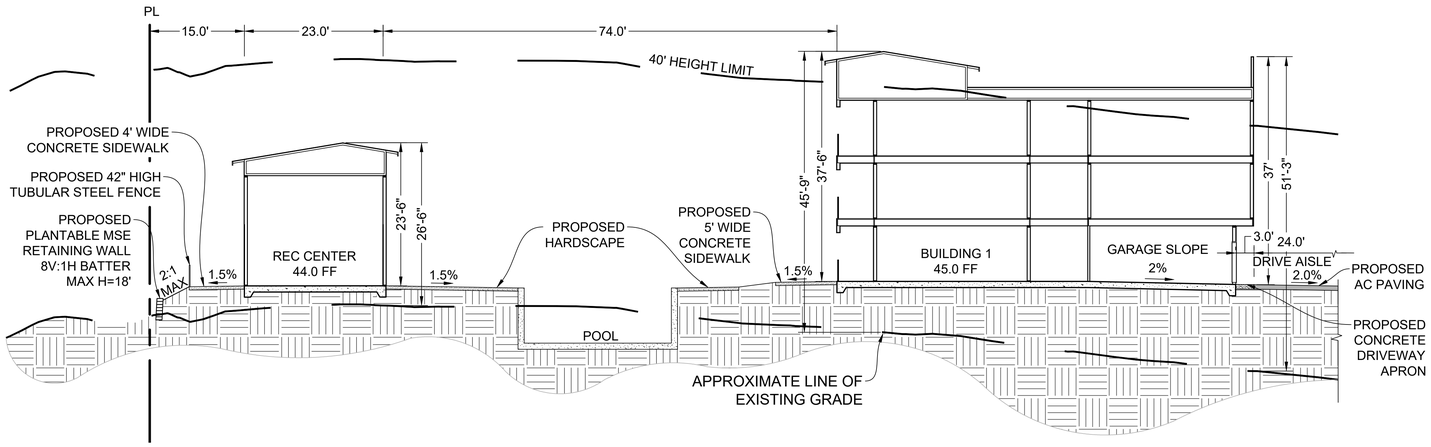
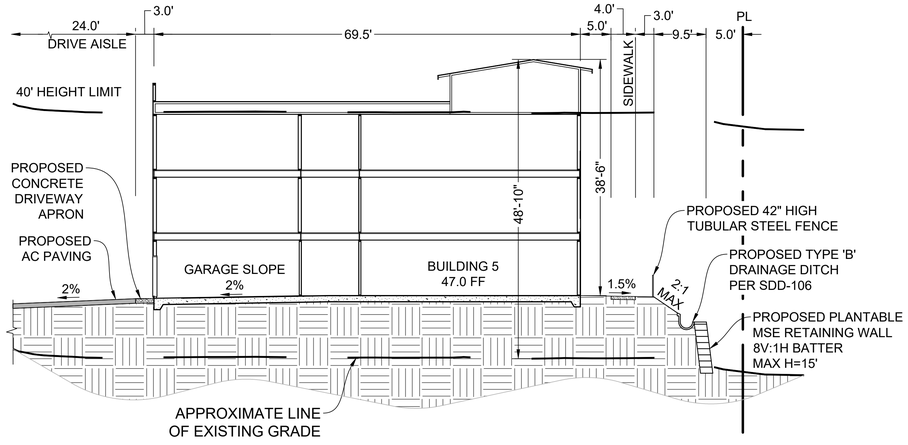
PROJECT ADDRESS:
555 HOLLISTER STREET
SAN DIEGO, CA 92154

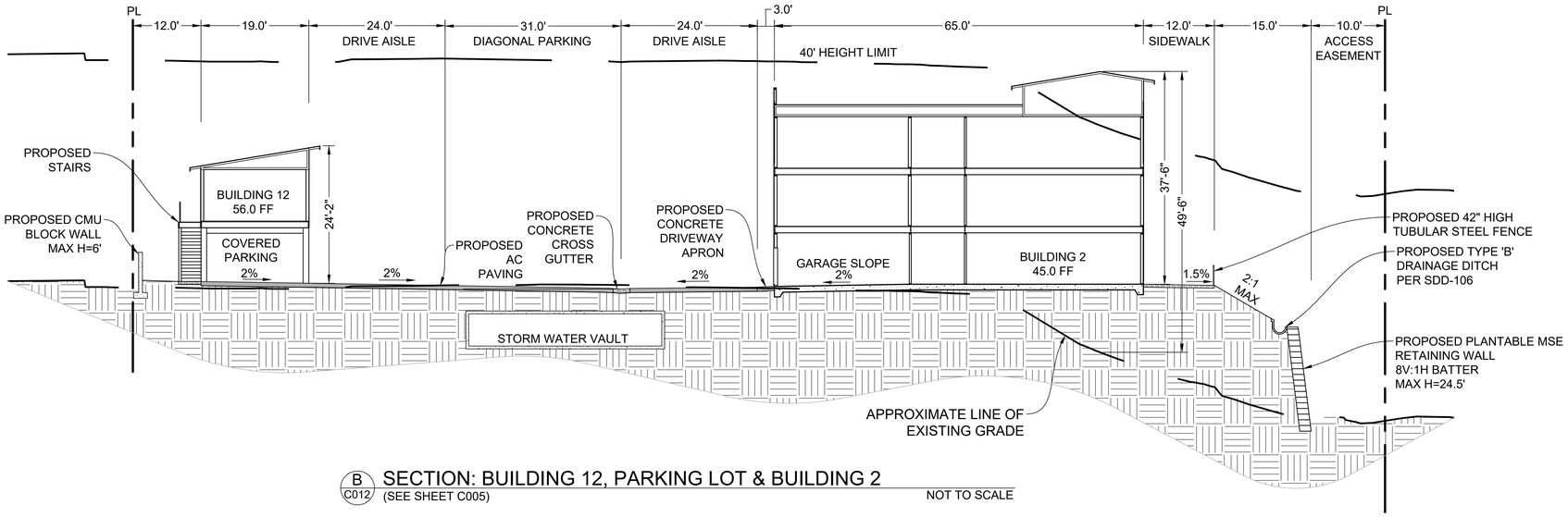
SHEET No. / TITLE:
SLOPE ANALYSIS
SHEET C011



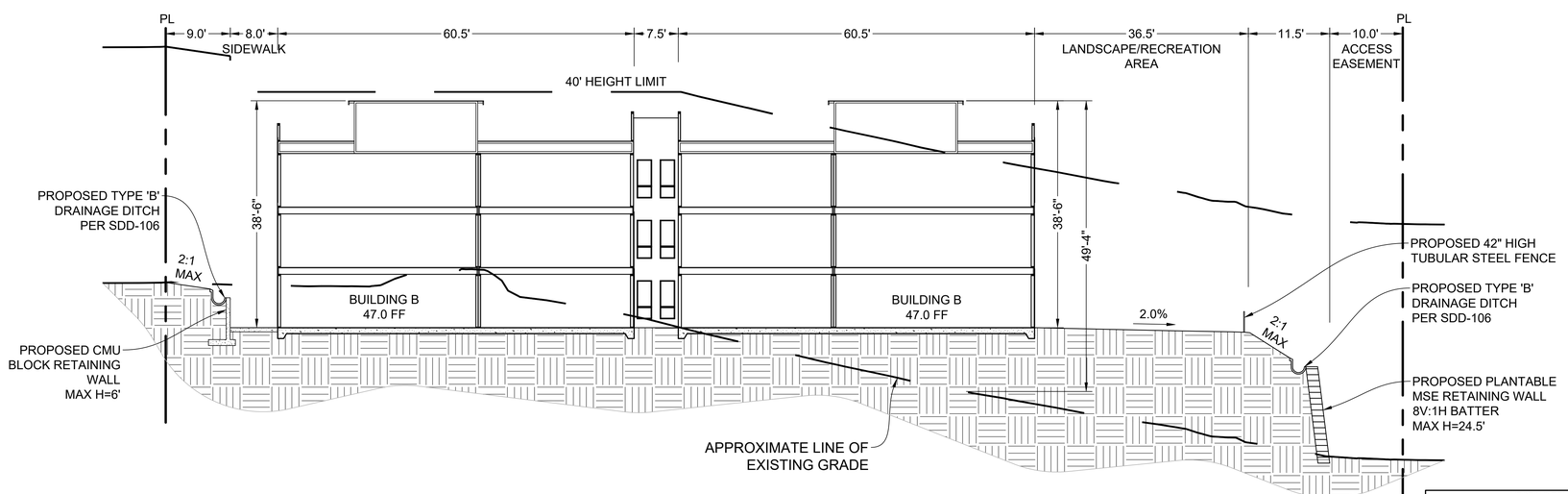
A C012 SECTION: REC CENTER, POOL & BUILDING 1
(SEE SHEET C005) NOT TO SCALE



C C012 SECTION: BUILDING 5 (EAST-WEST)
(SEE SHEET C005) NOT TO SCALE



B C012 SECTION: BUILDING 12, PARKING LOT & BUILDING 2
(SEE SHEET C005) NOT TO SCALE



D C012 SECTION: BUILDING 5 (NORTH-SOUTH)
(SEE SHEET C005) NOT TO SCALE

APPROVAL NUMBERS:

VESTING TENTATIVE MAP APPROVAL NO. 2587526
SDP APPROVAL NO. 2587528
NDP APPROVAL NO. 2596225
REZONE NO. 2587530

REGISTERED PROFESSIONAL ENGINEER GREGORY W. LANG RCE No. C68075 EXP. 06-30-23 CIVIL STATE OF CALIFORNIA

PREPARED BY:

PASCO LARET SUITER & ASSOCIATES
San Diego | Encinitas | Orange County
Phone 858.259.8212 | www.plsaengineering.com

PROJECT NO: 698277

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PALM HOLLISTER APARTMENTS
CITY OF SAN DIEGO, CALIFORNIA
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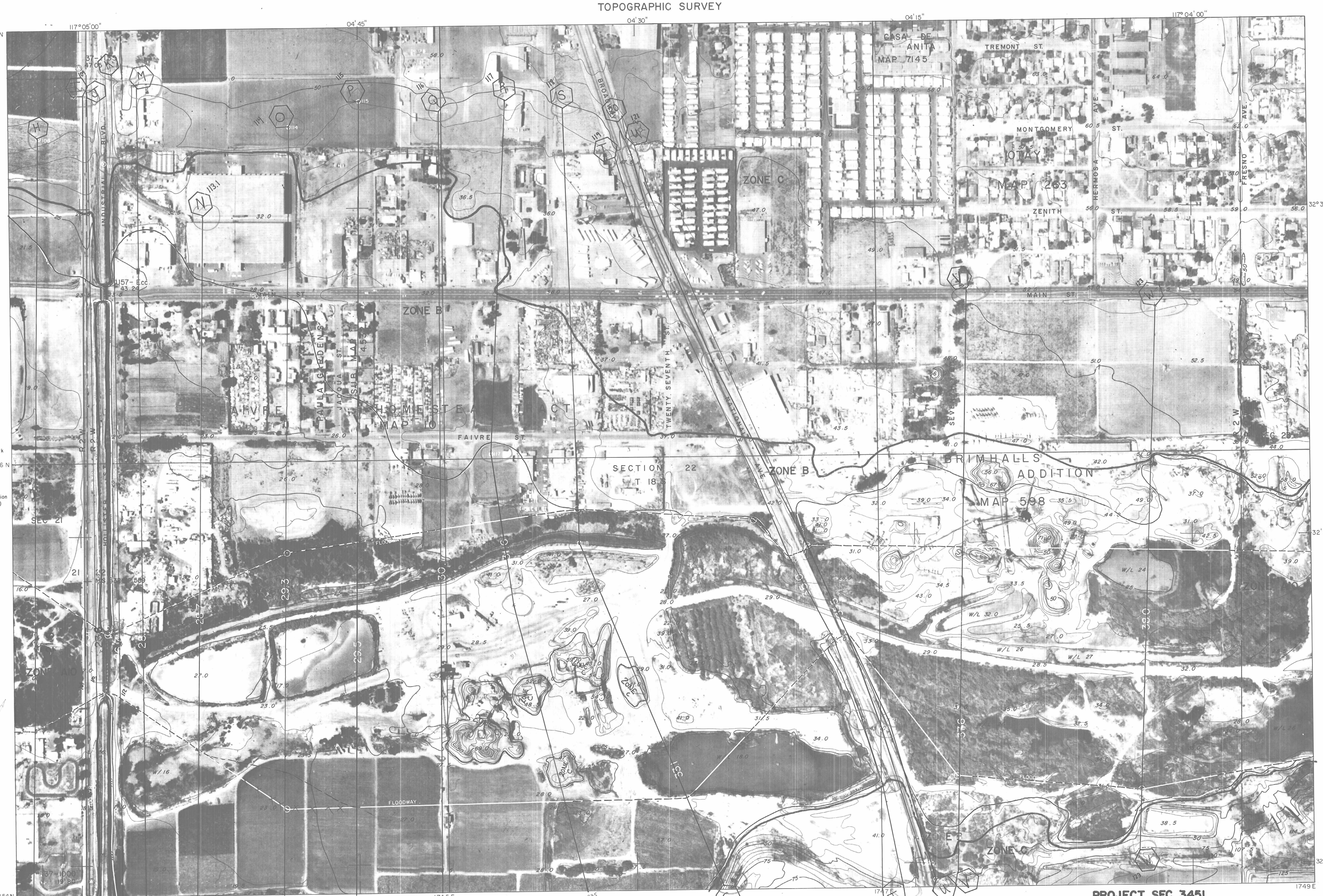
PROJECT ADDRESS:
555 HOLLISTER STREET
SAN DIEGO, CA 92154

SHEET No. / TITLE:
SITE SECTIONS
SHEET C012

COUNTY OF SAN DIEGO

TOPOGRAPHIC SURVEY



-LEGEND-

Horizontal Control Monument Third Order / Vertical Control Monument Second Order or Better

Horizontal Control Monument Second Order or Better / Vertical Control Monument Third Order

Horizontal Control Monument Second Order or Better

Horizontal Control Monument & Bench Mark Second Order or Better

Horizontal Control Monument Third Order

Horizontal Control Monument & Bench Mark Third Order

Bench Mark Second Order or Better

Vertical Control Monument Third Order

Found Section, Grant or Subdivision Corner.

Photograph, Nadir Point

Geographic Tick

BOUNDARIES IN ORDER OF PRECEDENCE

.025" National

Name / Name .025" County

.015 City (Use at Border with County)

Name within Bdry .015" Reservation

Name within Bdry. .015" National, State or County Park

Name within Bdry. .015" Land Grant

T2S / T3S .015" Township, Range, Section or Subdivision (Name of Subdivision within Bdry.)

PREPARED UNDER THE DIRECTION OF THE COUNTY ENGINEER OF THE COUNTY OF SAN DIEGO, CALIFORNIA.

MAP CONTROL DATA FURNISHED BY THE COUNTY OF SAN DIEGO.

HORIZONTAL CONTROL IS BASED ON NORTH AMERICAN 1927 DATUM.

LAND LINES SHOWN ARE APPROXIMATE.

TOPOGRAPHY COMPILED BY PHOTOGRAMMETRIC METHODS FROM PHOTOGRAPHY DATED 6-14-72 BY WESTERN AERIAL SURVEYS

ORTHOPHOTO IMAGE PREPARED FROM PHOTOGRAPHY DATED 6-12-72 BY AERO SERVICE CORPORATION

CONTRACT NO. 12060-5850-R

DATE 3/5/75 14 NO 499120 1

DATE		BY
1/10/78	CHANGES: FLOODWAY WSEL AT X-SECS 108.0 & 109.0	ELS

COMPLETED J. C. Hill DATE 2/23/78

SCALE 1:2400

200 0 200 400 600 800 1000

CONTOUR INTERVAL 5 FEET

U.S.C. & G.S. SEA LEVEL DATUM OF 1929

TWO THOUSAND FOOT CALIFORNIA RECTANGULAR GRID (ZONE VI)

THE LAST THREE DIGITS OF THE GRID NUMBERS ARE OMITTED

THE RECTANGULAR COORDINATE VALUES ARE SHOWN ON THE SOUTH AND WEST MARGINS

THE GEOGRAPHIC VALUES ARE SHOWN ON THE NORTH AND EAST MARGINS

INDEX TO ADJOINING SHEETS

158-1737	158-1743	158-1749
154-1737	154-1743	154-1749
150-1737	150-1743	150-1749

PROJECT SFC 3451

FLOOD AREA MAP

FLOODWAY DEFINITION

OTAY RIVER

SAN DIEGO COUNTY CALIFORNIA

EDITION OF

SHEET 154-1743

COUNTY OF SAN DIEGO

TOPOGRAPHIC SURVEY

-LEGEND-

- Horizontal Control Monument *Third Order*
- Vertical Control Monument *Second Order or Better*
- Horizontal Control Monument *Second Order or Better*
- Vertical Control Monument *Third Order*
- Horizontal Control Monument *Second Order or Better*
- Horizontal Control Monument & Bench Mark *Second Order or Better*
- Horizontal Control Monument *Third Order*
- Horizontal Control Monument & Bench Mark *Third Order*
- Bench Mark *Second Order or Better*
- Vertical Control Monument *Third Order*
- Found Section, Grant or Subdivision Corner. (36 | 31 T 10 S / 6 T 11 S; R 2 W / R 1 W)
- Photograph, Nadir Point
- Geographic Tick

BOUNDARIES IN ORDER OF PRECEDENCE

- National
- Name / Name — County
- City (*Use at Border with County*)
- Name within Bdry — Reservation
- Name within Bdry. — National, State or County Park
- Name within Bdry. — Land Grant
- T 2 S / T 3 S — Township, Range, Section or Subdivision (*Name of Subdivision within Bdry.*)

PREPARED UNDER THE DIRECTION OF THE COUNTY ENGINEER OF THE COUNTY OF SAN DIEGO, CALIFORNIA.

MAP CONTROL DATA FURNISHED BY THE COUNTY OF SAN DIEGO.

HORIZONTAL CONTROL IS BASED ON NORTH AMERICAN 1927 DATUM.

LAND LINES SHOWN ARE APPROXIMATE.

TOPOGRAPHY COMPILED BY PHOTOGRAMMETRIC METHODS FROM PHOTOGRAPHY DATED 7-2-73

ORTHOPHOTO IMAGE PREPARED FROM PHOTOGRAPHY DATED 7-2-73

PHOTOGRAPHY SUBJECT TO REVISION

Mark Hurd
AERIAL SURVEYS, INC.
SANTA BARBARA, CALIFORNIA

CONTRACT NO. 12060-5850-R

SCALE 1:2400

200 0 200 400 600 800 1000

CONTOUR INTERVAL 5 FEET

U.S.C. & G.S. SEA LEVEL DATUM OF 1929

TWO THOUSAND FOOT CALIFORNIA RECTANGULAR GRID (ZONE VI)
THE LAST THREE DIGITS OF THE GRID NUMBERS ARE OMITTED
THE RECTANGULAR COORDINATE VALUES ARE SHOWN ON THE SOUTH AND WEST MARGINS
THE GEOGRAPHIC VALUES ARE SHOWN ON THE NORTH AND EAST MARGINS

COMPLETED J. C. Hill DATE 2/23/78

INDEX TO ADJOINING SHEETS

154-1737	154-1743	154-1749
150-1737	150-1743	150-1749
146-1737	146-1743	146-1749

PROJECT SFC 3451

FLOOD AREA MAP

FLOODWAY DEFINITION

OTAY RIVER

SAN DIEGO COUNTY CALIFORNIA

EDITION OF 1973

SHEET 150-1743

APPENDIX A

MT-2 FORMS

FLOOD INSURANCE STUDY
REFERENCE MATERIAL

DEPARTMENT OF HOMELAND SECURITY
Federal Emergency Management Agency

OVERVIEW & CONCURRENCE FORM

OMB Control Number: 1660-0016
Expiration: 1/31/2024

PAPERWORK BURDEN DISCLOSURE NOTICE

Public reporting burden for this form is estimated to average 1 hours per response. The burden estimate includes the time for reviewing instructions, searching existing data sources, gathering and maintaining the needed data, and completing, reviewing, and submitting the form. You are not required to respond to this collection of information unless it displays a valid OMB control number. Send comments regarding the accuracy of the burden estimate and any suggestions for reducing this burden to: Information Collections Management, Department of Homeland Security, Federal Emergency Management Agency, 500 C Street, SW, Washington, DC 20472 , Paperwork Reduction Project (1660-0016). Submission of the form is required to obtain or retain benefits under the National Flood Insurance Program. **Please do not send your completed survey to the above address.**

PRIVACY ACT STATEMENT

AUTHORITY: The National Flood Insurance Act of 1968, Public Law 90-448, as amended by the Flood Disaster Protection Act of 1973, Public Law 93-234.
PRINCIPAL PURPOSE(S): This information is being collected for the purpose of determining an applicant's eligibility to request changes to National Flood Insurance Program (NFIP) Flood Insurance Rate Maps (FIRM).
ROUTINE USE(S): The information on this form may be disclosed as generally permitted under 5 U.S.C § 552a(b) of the Privacy Act of 1974, as amended. This includes using this information as necessary and authorized by the routine uses published in DHS/FEMA/NFIP/LOMA-1 National Flood Insurance Program (NFIP); Letter of Map Amendment (LOMA) February 15, 2006, 71 FR 7990.
DISCLOSURE: The disclosure of information on this form is voluntary; however, failure to provide the information requested may delay or prevent FEMA from processing a determination regarding a requested change to a (NFIP) Flood Insurance Rate Maps (FIRM).

A. REQUESTED RESPONSE FROM DHS-FEMA

This request is for a (check one):

☒ CLOMR: A letter from DHS-FEMA commenting on whether a proposed project, if built as proposed, would justify a map revision, or proposed hydrology changes (See 44 CFR Ch. 1, Parts 60, 65 & 72). All CLOMRs require documentation of compliance with the Endangered Species Act. Refer to the Instructions for details.

☐ LOMR: A letter from DHS-FEMA officially revising the current NFIP map to show the changes to floodplains, regulatory floodway or flood elevations. (See 44 CFR Ch. 1, Parts 60, 65 & 72).

B. OVERVIEW

1. The NFIP map panel(s) affected for all impacted communities is (are):

Community No.	Community Name	State	Map No.	Panel No.	Effective Date
060295	City of San Diego	CA	06073C	2152G	12/20/2019
060295	City of San Diego	CA	06073C	2154J	12/20/2019

2. a. Flooding Source: Otay River

b. Types of Flooding: ☒ Riverine ☐ Coastal ☐ Shallow Flooding (e.g., Zones AO and AH) ☐ Alluvial Fan ☐ Lakes ☐ Other (Attach Description)

3. Project Name/Identifier: Palm Hollister Apartments

4. FEMA zone designations (choices: A, AH, AO, A1-A30, A99, AE, AR, V, V1-V30, VE, B, C, D, X)

a. Effective: AE, X

b. Revised: AE, X

5. Basis for Request and Type of Revision:

a. The basis for this revision request is (check all that apply)

☒ Physical Change	☒ Improved Methodology/Data	☐ Regulatory Floodway Revision	☐ Base Map Changes
☐ Coastal Analysis	☒ Hydraulic Analysis	☐ Hydrologic Analysis	☐ Corrections
☐ Weir-Dam Changes	☐ Levee Certification	☐ Alluvial Fan Analysis	☐ Natural Changes
☒ New Topographic Data	☐ Other (Attach Description)		

Note: A photograph and narrative description of the area of concern is not required, but is very helpful during review.

b. The area of revision encompasses the following structures (check all that apply)

Structures: ☐ Channelization	☐ Levee/Floodwall	☐ Bridge/Culvert	
☐ Dam	☒ Fill	☐ Other (Attach Description)	

6. ☐ Documentation of ESA compliance is submitted (required to initiate CLOMR review). Please refer to the instructions for more information.

C. REVIEW FEE

Has the review fee for the appropriate request category been included? ☒ Yes Fee amount: $ 6,500.00

☐ No, Attach Explanation

- **Please see the DHS-FEMA Web site at http://www.fema.gov/forms-documents-and-software/flood-map-related-fees for Fee Amounts and Exemptions.**

D. SIGNATURES

1. REQUESTOR'S SIGNATURE

All documents submitted in support of this request are correct to the best of my knowledge. I understand that any false statement may be punishable by fine or imprisonment under Title 18 of the United States Code, Section 1001.

Name: Wayne W. Chang	Company: Chang Consultants	
Mailing Address: P.O. Box 9496 Rancho Santa Fe, CA	Daytime Telephone: (858) 692-0760	Fax No.:
	E-mail Address: wayne@changconsultants.com	
	Date: July 10, 2023	

Signature of Requestor (required): 

2. COMMUNITY CONCURRENCE

As the community official responsible for floodplain management, I hereby acknowledge that we have received and reviewed this Letter of Map Revision (LOMR) or conditional LOMR request. Based upon the community's review, we find the completed or proposed project meets or is designed to meet all of the community floodplain management requirements, including the requirements for when fill is placed in the regulatory floodway, and that all necessary Federal, State, and local permits have been, or in the case of a conditional LOMR, will be obtained. For Conditional LOMR requests, the applicant has documented Endangered Species Act (ESA) compliance to FEMA prior to FEMA's review of the Conditional LOMR application. For LOMR requests, I acknowledge that compliance with Sections 9 and 10 of the ESA has been achieved independently of FEMA's process. For actions authorized, funded, or being carried out by Federal or State agencies, documentation from the agency showing its compliance with Section 7(a)(2) of the ESA will be submitted. In addition, we have determined that the land and any existing or proposed structures to be removed from the SFHA are or will be reasonably safe from flooding as defined in 44CFR 65.2(c), and that we have available upon request by FEMA, all analyses and documentation used to make this determination.

Community Official's Name and Title: Emir Williams, Associate Engineer, Floodplain Management, Stormwater Department

Mailing Address: 9370 Chesapeake Drive, Suite 100, M.S. 1900 San Diego, CA 92123	Community Name: City of San Diego	
	Daytime Telephone: (858) 541-4327	Fax No.:
	E-mail Address: EWilliams@sandiego.gov	

Community Official's Signature (required): Date:

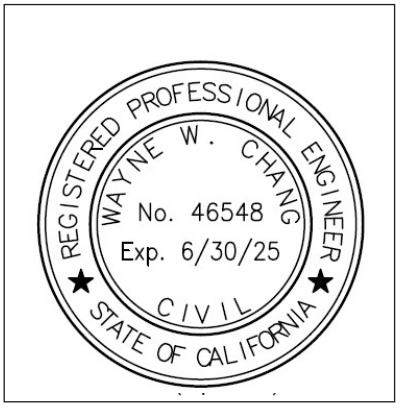
3. CERTIFICATION BY REGISTERED PROFESSIONAL ENGINEER AND/OR LAND SURVEYOR

This certification is to be signed and sealed by a licensed land surveyor, registered professional engineer, or architect authorized by law to certify elevation information data, hydrologic and hydraulic analysis, and any other supporting information as per NFIP regulations paragraph 65.2(b) and as described in the MT-2 Forms Instructions. All documents submitted in support of this request are correct to the best of my knowledge. I understand that any false statement may be punishable by fine or imprisonment under Title 18 of the United States Code, Section 1001.

Certifier's Name: Wayne W. Chang		License No.: 46548	Expiration Date: 6/30/2023
Company Name: Chang Consultants		Mailing Address: P.O. Box 9496 Rancho Santa Fe, CA 92067	
Telephone No.: (858) 692-0760	Fax No.:		
E-mail Address: wayne@changconsultants.com			
Signature:			Date: 7/10/2023

Ensure the forms that are appropriate to your revision request are included in your submittal.

Form Name and (Number)	Required if …
☒ Riverine Hydrology and Hydraulics Form (Form 2)	New or revised discharges or water-surface elevations
☐ Riverine Structures Form (Form 3)	Channel is modified, addition/revision of bridge/culverts, addition/revision of levee/floodwall, addition/revision of dam
☐ Coastal Analysis Form (Form 4)	New or revised coastal elevations
☐ Coastal Structures Form (Form 5)	Addition/revision of coastal structure
☐ Alluvial Fan Flooding Form (Form 6)	Flood control measures on alluvial fans



DEPARTMENT OF HOMELAND SECURITY

Federal Emergency Management Agency

RIVERINE HYDROLOGY & HYDRAULICS FORM (FORM 2)

OMB Control Number: 1660-0016
Expiration: 1/31/2024

PAPERWORK BURDEN DISCLOSURE NOTICE

Public reporting burden for this form is estimated to average 3.5 hours per response. The burden estimate includes the time for reviewing instructions, searching existing data sources, gathering and maintaining the needed data, and completing, reviewing, and submitting the form. You are not required to respond to this collection of information unless it displays a valid OMB control number. Send comments regarding the accuracy of the burden estimate and any suggestions for reducing this burden to: Information Collections Management, Department of Homeland Security, Federal Emergency Management Agency, 500 C Street, SW, Washington, DC 20472 , Paperwork Reduction Project (1660-0016). Submission of the form is required to obtain or retain benefits under the National Flood Insurance Program. **Please do not send your completed survey to the above address.**

PRIVACY ACT STATEMENT

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DISCLOSURE: The disclosure of information on this form is voluntary; however, failure to provide the information requested may delay or prevent FEMA from processing a determination regarding a requested change to a (NFIP) Flood Insurance Rate Maps (FIRM).

Flooding Source: Otay River

Note: Fill out one form for each flooding source studied

A. HYDROLOGY

1. Reason for New Hydrologic Analysis (check all that apply):

☒ Not revised (skip to section B) ☐ No existing analysis ☐ Improved data
☐ Alternative methodology ☐ Proposed Conditions (CLOMR) ☐ Changed physical condition of watershed

2. Comparison of Representative 1%-Annual-Chance Discharges

Location	Drainage Area (Sq. Mi.)	Effective/FIS (cfs)	Revised (cfs)

3. Methodology for New Hydrologic Analysis (check all that apply)

☐ Precipitation/Runoff Model → Specify Model: _____ Duration: _____ Rainfall Amount: _____

☐ Statistical Analysis of Gage Records

☐ Regional Regression Equations ☐ Other (please attach description)

Please enclose all relevant models in digital format, maps, computations (including computation of parameters), and documentation to support the new analysis.

4. Review/Approval of Analysis

If your community requires a regional, state, or federal agency to review the hydrologic analysis, please attach evidence of approval/review. 4. HEC-RAS File Description**:

5. Impacts of Sediment Transport on Hydrology

Is the hydrology for the revised flooding source(s) affected by sediment transport? ☐ Yes ☐ No

If yes, then fill out Section F (Sediment Transport) of Form 3. If No, then attach your explanation.

B. HYDRAULICS

1. Reach to be Revised

	Description	Cross Section	Water-Surface Elevation (ft.)	
			Effective	Proposed/Revised
Downstream Limit*	Hollister Street	112	28.91 (NAVD 88)	28.91 (NAVD 88)
Upstream Limit*	1,500' u/s of Hollister St.	116	32.82 (NAVD 88)	32.80 (NAVD 88)

*Proposed/Revised elevations must tie-into the Effective elevations within 0.5 foot at the downstream and upstream limits of revision.

2. Hydraulic Method/Model Used: Effective model is HEC-2. Rest are HEC-RAS.

☒ Steady State ☐ Unsteady State ☒ One-Dimensional ☐ Two-Dimentional

3. Pre-Submittal Review of Hydraulic Models*

DHS-FEMA has developed two review programs, CHECK-2 and CHECK-RAS, to aid in the review of HEC-2 and HEC-RAS hydraulic models, respectively. We recommend that you review your HEC-2 and HEC-RAS models with CHECK-2 and CHECK-RAS.

4. HEC-RAS File Description**:

Models Submitted	Natural Run		Floodway Run		Datum
Duplicate Effective Model*	File Name:	Plan Name:	File Name:	Plan Name:	
	OTAYNB.HEC	N/A. HEC-2 file.	OTAYNB.HEC	N/A. HEC-2 file.	NGVD 29
Corrected Effective Model*	File Name:	Plan Name:	File Name:	Plan Name:	
	N/A	N/A	N/A	N/A	N/A
Existing or Pre-Project Conditions Model	File Name:	Plan Name:	File Name:	Plan Name:	
	PalmHollister	Exist Cond	N/A	N/A	NAVD 88
Revised or Post-Project Conditions Model	File Name:	Plan Name:	File Name:	Plan Name:	
	PalmHollister	Prop Cond	PalmHollister	Prop Cond	NAVD 88
Other - (attach description)	File Name:	Plan Name:	File Name:	Plan Name:	
	N/A	N/A	N/A	N/A	N/A

* For details, refer to the corresponding section of the instructions.
**See instructions for information about modeling other then HEC-RAS. ☒ Digital Models Submitted? (Required)

C. MAPPING REQUIREMENTS

A **certified topographic work map** must be submitted showing the following information (where applicable): the boundaries of the effective, existing, and proposed conditions 1%-annual-chance floodplain (for approximate Zone A revisions) or the boundaries of the 1%- and 0.2%-annual-chance floodplains and regulatory floodway (for detailed Zone AE, AO, and AH revisions); location and alignment of all cross sections with stationing control indicated; stream, road, and other alignments (e.g., dams, levees, etc.); current community easements and boundaries; boundaries of the requester's property; certification of a registered professional engineer registered in the subject State; location and description of reference marks; and the referenced vertical datum (NGVD, NAVD, etc.).

Topographic Information: ☒ Digital Mapping (GIS/CADD) Data Submitted (preferred)

Source: Aerial topography by San Diego Aerial Surveys | Date: January 12, 2020

Vertical Datum: NGVD 29 | Spatial Projection: State Plane NAD 83

Accuracy: 1-foot contour interval

Note that the boundaries of the existing or proposed conditions floodplains and regulatory floodway to be shown on the revised FIRM and/or FBFM must tie-in with the effective floodplain and regulatory floodway boundaries. Please attach **a copy of the effective FIRM and/or FBFM**, at the same scale as the original, annotated to show the boundaries of the revised 1%-and 0.2%-annual-chance floodplains and regulatory floodway that tie-in with the boundaries of the effective 1%-and 0.2%-annual-chance floodplain and regulatory floodway at the upstream and downstream limits of the area on revision.

☒ Annotated FIRM and/or FBFM (Required)

D. COMMON REGULATORY REQUIREMENTS*

1. For LOMR/CLOMR requests, do Base Flood Elevations (BFEs) or Special Flood Hazard Areas (SFHAs) increase compared to the effective BFEs? ☐ Yes ☒ No

   If Yes, please attach **proof of property owner notification**. Examples of property owner notifications can be found in the MT-2 Form 2 Instructions.

2. For CLOMR requests, if either of the following is true, please submit **evidence of compliance with Section 65.12 of the NFIP regulations**:

   - The proposed project encroaches upon a regulatory floodway and would result in increases above 0.00 foot compared to pre-project conditions. N/A
   - The proposed project encroaches upon a SFHA with or without BFEs established and would result in increases above 1.00 foot compared to pre-project conditions. N/A

3. Does the request involve the placement or proposed placement of fill? ☒ Yes ☐ No

   If Yes, the community must be able to certify that the area to be removed from the special flood hazard area, to include any structures or proposed structures, meets all of the standards of the local floodplain ordinances, and is reasonably safe from flooding in accordance with the NFIP regulations set forth at 44 CFR 60.3(A)(3), 65.5(a)(4), and 65.6(a)(14). Please see the MT-2 instructions for more information.

4. ~~Does the request involve the placement or proposed placement of fill?~~ For LOMR requests, is the regulatory floodway being revised? ☐ Yes ☐ No

   If Yes, attach **evidence of regulatory floodway revision notification**. As per Paragraph 65.7(b)(1) of the NFIP Regulations, notification is required for requests involving revisions to the regulatory floodway Elements and examples of regulatory floodway revision notification can be found in the MT-2 Form 2 Instructions.

5. For CLOMR requests, please submit documentation to FEMA and the community to show that you have complied with Sections 9 and 10 of the Endangered Species Act (ESA). For actions authorized, funded, or being carried out by Federal or State agencies, please submit documentation from the agency showing its compliance with Section 7(a)(2) of the ESA. Please see the MT-2 instructions for more detail.

Table 10: Summary of Discharges, continued

Flooding Source	Location	Drainage Area (Square Miles)	Peak Discharge (cfs)				
			10% Annual Chance	4% Annual Chance	2% Annual Chance	1% Annual Chance	0.2% Annual Chance
Nestor Creek	At Elm Avenue	2.45	*	*	*	796[4]	*
Nestor Creek	At Coronado Avenue	2.33	*	*	*	698[4]	*
Nestor Creek	At Hollister Street	1.99	*	*	*	496[4]	*
Nestor Creek	At 25th Street/Interstate 5	1.71	*	*	*	456[4]	*
Nestor Creek	At San Diego and Arizona Eastern Railroad	1.40	555	*	860	1,015	2,295
North Avenue Tributary	Approximately 1,730 feet upstream of North Broadway	0.5	*	*	*	440	*
North Branch Poway Creek	At Sycamore Canyon Road	4.5	650	*	2,000	3,000	7,200
North Tributary to Santa Maria Creek	At Mouth	1.6	100	*	600	1,100	2,900
Olive Creek	At Mouth	1.0	*	*	*	1,370	*
Otay River	At Otay Valley Road	122.7	1,200	*	12,000	22,000	50,000
Pala Mesa Creek	Approximately 265 Feet Upstream of Interstate Highway 15	2.1	*	*	*	1,700	*
Paradise Creek – Valley Road Branch	At Confluence with Paradise Creek	0.68	*	*	*	468	*

LOCATION		FLOODWAY			1% ANNUAL CHANCE FLOOD WATER SURFACE ELEVATION (FEET NAVD88)			
CROSS SECTION	DISTANCE[1]	WIDTH (FEET)	SECTION AREA (SQ. FEET)	MEAN VELOCITY (FEET/SEC)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
A	0	2,533	4,688	4.7	13.2	13.2	13.2	0.0
B	1,390	2,110	9,474	2.3	15.2	15.2	16.1	0.9
C	2,490	2,300	4,084	5.4	16.3	16.3	16.8	0.5
D	3,720	1,662	7,917	2.8	18.2	18.2	18.9	0.7
E	4,040	642	1,928	11.4	19.3	19.3	19.4	0.1
F	4,270	722	3,819	5.8	20.6	20.6	20.6	0.0
G	5,100	641	2,883	7.6	24.0	24.0	24.0	0.0
H	5,350	360	1,767	12.4	25.7	25.7	25.7	0.0
I	5,390	320	2,711	8.1	28.0	28.0	28.0	0.0
112 J	5,500	304	2,359	9.3	28.9	28.9	28.9	0.0
113 K	5,600	440	4,010	5.5	30.8	30.8	30.8	0.0
113.1 L	5,880	740	4,511	4.9	30.8	30.8	30.9	0.1
114 M	6,280	1,020	7,451	2.9	30.9	30.9	31.5	0.6
115 N	6,610	1,225	7,933	2.8	30.9	30.9	31.7	0.8
116 O	7,012	1,243	4,824	4.6	32.8	32.8	32.9	0.1
P	7,330	1,035	3,833	5.7	33.3	33.3	33.8	0.5
Q	7,670	1,204	6,208	3.5	34.3	34.3	35.3	1.0
R	8,780	451	3,132	7.0	36.4	36.4	37.3	0.9
S	8,875	432	2,553	8.6	36.6	36.6	37.6	1.0
T	9,525	1,060	7,231	3.0	39.7	39.7	39.9	0.2
U	10,375	1,110	9,424	2.3	40.1	40.1	40.3	0.2
V	11,275	935	8,841	2.5	40.3	40.3	40.5	0.2
W	11,825	917	8,300	2.6	40.3	40.3	40.6	0.3

[1]Feet above cross section A

TABLE 24

FEDERAL EMERGENCY MANAGEMENT AGENCY

SAN DIEGO COUNTY, CALIFORNIA

AND INCORPORATED AREAS

FLOODWAY DATA

FLOODING SOURCE: OTAY RIVER

TABLE 12: FLOODING SOURCE DATUM SHIFT VALUES

Stream Name	Elevation (feet NAVD above NGVD)
Moosa Creek (North Branch)	+2.3
Moosa Creek (South Branch)	+2.3
Murphy Canyon Creek	+2.1
Murray Canyon Creek	+2.1
Nestor Creek	+2.1
North Avenue Tributary	+2.3
North Branch Poway Creek	+2.1
North Tributary to Santa Maria Creek	+2.2
Olive Creek	+2.4
Otay River	+2.2
Pala Mesa Creek	+2.2
Paradise Creek	+2.1
Paradise Creek – Valley Road Branch	+2.1
Pilgrim Creek	+2.3
Poggi Canyon Creek	+2.2
Pomerado Creek	+2.1
Poway Creek	+2.1
Rainbow Creek (Main Branch)	+2.3
Rainbow Creek (West Branch)	+2.3
Rattlesnake Creek	+2.1
Rattlesnake Creek Split Flow at Heritage Hills	+2.1
Rattlesnake Creek Split Flow at Midland Road	+2.1
Reidy Creek	+2.3
Reidy Creek Split Flow	+2.3
Rice Canyon Creek	+2.1
Rincon Avenue Tributary	+2.3
Rose Canyon Creek	+2.1
Samagutuma Creek	+2.4
San Clemente Canyon Creek	+2.1
San Diego Bay	+2.2
San Diego River	+2.1
San Dieguito River	+2.1
San Elijo Creek	+2.2
San Luis Rey River	+2.3
San Marcos Creek	+2.3
San Marcos Creek (Below Lake San Marcos)	+2.3
San Marcos Creek Highway 78 Split Flow	+2.3

APPENDIX B

EFFECTIVE/DUPLICATE EFFECTIVE HEC-2
EXISTING CONDITIONS HEC-RAS ANALYSES
PROPOSED CONDITION HEC-RAS ANALYSES

Effective/Duplicate Effective HEC-2

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**************************
HEC2 VERSION UPDATED JAN 1976
ERROR CORRECTIONS 01,02,03,04,05,06,07,08,09
MODIFICATIONS 51,52,53,54,55,56,,57,58
**************************
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21-DEC-77 15:11:29

SY:[203,203]OTAYRIV.HEC;27

C

T1 OTAY RIVER NATURAL BACKWATER USACE SECTIONS 102.2 TO 208.0

T2 100-YR. NATURAL Q#22,000 CFS

T3 SAN DIEGO COUNTY FLOOD CONTROL OCTOBER, 1977

J1	ICHECK	INQ	NINV	IDIR	STRT	METRIC	HVINS	Q	WSEL	FQ
	0.	7.	0.	0.	0.000000	0.00	0.0	0.	12.600	0.000

J2	NPROF	IPLOT	PRFVS	XSECV	XSECH	FN	ALLDC	IBW	CHNIM	ITRACE
	-1.000	0.000	-10.000	0.000	0.000	0.000	0.000	0.000	0.000	15.000
J3	1.000	34.000	3.000	4.000	27.000	28.000	9.000	0.000	0.000	0.000
NC	0.040	0.040	0.040	0.100	0.300	0.000	0.000	0.000	0.000	0.000
QT	5.000	22000.000	22000.000	0.000	0.000	1200.000	50000.000	12000.000	0.000	0.000
ET	102.200	0.000	4.100	1476.000	4009.000	0.000	0.000	0.000	0.000	0.000
X1	102.200	54.000	3880.000	4008.000	0.000	0.000	0.000	0.000	0.000	0.000
GR	20.100	0.000	18.100	23.000	17.100	38.000	15.800	118.000	15.400	222.000
GR	15.000	250.000	15.500	312.000	14.600	362.000	15.000	388.000	11.300	400.000
GR	11.100	420.000	8.100	430.000	8.100	1150.000	8.100	1865.000	9.700	1893.000
GR	9.800	1995.000	9.800	2110.000	9.600	2280.000	10.300	2418.000	11.800	2570.000
GR	11.700	2755.000	11.700	2936.000	11.400	3060.000	10.400	3130.000	9.800	3205.000
GR	9.300	3260.000	8.000	3270.000	8.000	3290.000	11.800	3295.000	14.300	3313.000
GR	8.500	3330.000	3.700	3345.000	3.700	3360.000	8.500	3375.000	9.800	3413.000
GR	10.600	3475.000	7.300	3510.000	5.800	3565.000	6.600	3605.000	9.800	3665.000
GR	16.500	3703.000	18.000	3722.000	5.800	3765.000	6.000	3825.000	4.800	3840.000
GR	4.800	3850.000	5.000	3880.000	3.600	3895.000	3.600	3920.000	4.300	3955.000
GR	6.000	4008.000	17.600	4048.000	17.500	4070.000	11.700	4090.000	0.000	0.000
ET	102.300	0.000	4.100	1125.000	3088.000	0.000	0.000	0.000	0.000	0.000
X1	102.300	45.000	2975.000	3087.000	800.000	500.000	200.000	0.000	0.000	0.000
GR	15.800	0.000	10.000	110.000	9.800	162.000	11.000	210.000	14.300	230.000
GR	10.400	240.000	8.100	250.000	8.100	868.000	9.500	888.000	9.600	1055.000
GR	12.800	1255.000	10.000	1455.000	11.000	1640.000	11.500	1847.000	10.500	2037.000
GR	11.000	2148.000	10.200	2195.000	10.000	2252.000	8.000	2265.000	8.000	2275.000
GR	12.300	2280.000	13.500	2300.000	8.700	2330.000	7.900	2360.000	10.200	2378.000
GR	9.400	2400.000	9.700	2500.000	9.800	2625.000	7.300	2670.000	6.000	2695.000
GR	12.400	2735.000	18.000	2763.000	11.300	2791.000	8.000	2812.000	5.000	2825.000
GR	5.000	2835.000	8.200	2845.000	6.800	2940.000	5.000	2975.000	3.400	3030.000
GR	3.400	3060.000	6.200	3087.000	15.300	3140.000	19.000	3163.000	12.700	3182.000
ET	102.400	0.000	4.100	1765.000	3615.000	0.000	0.000	0.000	0.000	0.000
X1	102.400	43.000	3490.000	3575.000	1150.000	480.000	860.000	0.000	0.000	0.000
GR	16.000	0.000	15.000	62.000	12.200	180.000	10.300	300.000	10.000	362.000
GR	10.000	380.000	10.000	395.000	10.000	442.000	11.000	472.000	10.500	659.000
GR	11.700	842.000	11.300	1032.000	10.500	1205.000	10.500	1390.000	10.200	1678.000
GR	10.200	1900.000	10.200	1925.000	10.300	2168.000	10.300	2412.000	10.000	2600.000
GR	9.700	2663.000	10.600	2720.000	11.700	2740.000	9.300	2770.000	10.400	2790.000

GR	10.700	2731.000	5.400	2989.000	5.700	3182.000	5.700	3330.000	5.400	3433.000
GR	12.400	3458.000	15.500	3470.000	10.000	3490.000	5.200	3543.000	4.200	3560.000
GR	5.000	3575.000	13.000	3610.000	18.500	3640.000	0.000	0.000	0.000	0.000
ET	103.000	0.000	4.100	2330.000	4497.000	0.000	0.000	0.000	0.000	0.000
X1	103.000	45.000	4403.000	4496.000	280.000	420.000	330.000	0.000	0.000	0.000
GR	25.000	0.000	23.100	97.000	20.700	166.000	20.200	250.000	17.800	412.000
GR	17.200	431.000	17.600	477.000	14.800	499.000	14.300	544.000	15.000	662.000
GR	14.000	849.000	8.200	864.000	12.400	882.000	10.900	1146.000	11.900	1322.000
GR	12.200	1601.000	11.300	1827.000	11.800	2122.000	12.100	2386.000	11.800	2491.000
GR	11.700	2794.000	11.800	2988.000	13.300	3153.000	16.600	3167.000	16.200	3184.000
GR	9.400	3205.000	8.900	3287.000	8.600	3434.000	8.900	3558.000	9.200	3651.000
GR	8.300	3714.000	15.300	3742.000	6.800	3771.000	6.600	3895.000	6.800	4054.000
GR	7.200	4170.000	5.900	4265.000	6.100	4372.000	15.500	4403.000	5.700	4441.000
GR	4.100	4464.000	6.300	4496.000	19.300	4527.000	19.600	4545.000	19.600	4559.000
NC	0.000	0.000	0.000	0.400	0.500	0.000	0.000	0.000	0.000	0.000
ET	104.000	0.000	4.100	3575.000	5875.000	0.000	0.000	0.000	0.000	0.000
X1	104.000	62.000	5087.000	5137.000	660.000	1400.000	1100.000	0.000	0.000	0.000
GR	30.000	0.000	29.500	118.000	29.500	262.000	26.200	293.000	22.900	460.000
GR	19.600	618.000	17.500	640.000	16.800	683.000	19.100	710.000	19.000	762.000
GR	16.000	808.000	11.300	947.000	10.800	1003.000	14.600	1107.000	14.600	1320.000
GR	14.300	1516.000	8.800	1524.000	13.300	1555.000	14.500	1695.000	13.900	1755.000
GR	13.100	1775.000	14.500	1834.000	13.300	1894.000	14.700	2025.000	16.500	2236.000
GR	16.400	2312.000	15.300	2391.000	15.800	2464.000	14.600	2535.000	14.700	2599.000
GR	14.400	2679.000	13.800	2885.000	13.600	3028.000	13.900	3181.000	13.500	3366.000
GR	12.700	3643.000	14.700	3795.000	14.600	3866.000	13.700	3989.000	15.000	4076.000
GR	14.700	4187.000	14.600	4352.000	14.900	4510.000	13.400	4536.000	13.500	4616.000
GR	12.500	4787.000	12.900	4827.000	12.400	4928.000	12.300	5087.000	5.200	5110.000
GR	11.100	5137.000	11.200	5267.000	11.200	5388.000	11.300	5576.000	12.000	5750.000
GR	11.100	5821.000	12.100	5937.000	13.000	6034.000	12.700	6102.000	11.500	6211.000
GR	9.000	6217.000	41.600	6307.000	0.000	0.000	0.000	0.000	0.000	0.000
ET	104.100	0.000	4.100	1080.000	2842.000	0.000	0.000	0.000	0.000	0.000
X1	104.100	46.000	1323.000	1520.000	1270.000	1020.000	1230.000	0.000	0.000	0.000
X3	10.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
GR	23.000	0.000	18.200	20.000	18.000	55.000	15.200	95.000	14.700	190.000
GR	14.600	330.000	14.600	510.000	14.800	615.000	14.800	630.000	13.700	648.000
GR	13.500	700.000	14.000	800.000	14.200	940.000	12.900	995.000	13.800	1058.000
GR	14.700	1100.000	10.000	1160.000	10.000	1190.000	10.000	1285.000	10.000	1305.000
GR	10.200	1323.000	9.600	1348.000	6.600	1418.000	6.200	1478.000	10.000	1520.000
GR	12.800	1562.000	13.500	1660.000	12.700	1807.000	14.300	1900.000	14.500	1930.000
GR	14.500	1960.000	13.700	1970.000	13.500	2150.000	13.500	2400.000	13.000	2550.000
GR	12.000	2715.000	12.000	2885.000	12.000	2905.000	10.500	2925.000	13.300	2965.000
GR	12.000	3105.000	14.200	3218.000	10.200	3230.000	10.200	3240.000	30.000	3272.000
GR	41.600	3310.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ET	0.000	0.000	4.100	6384.000	7026.000	0.000	0.000	0.000	0.000	0.000
X1	105.000	38.000	6384.000	7025.000	400.000	230.000	320.000	0.000	0.000	0.000
X3	10.000	0.000	0.000	0.000	0.000	0.000	0.000	23.500	23.000	0.000
GR	28.700	3076.000	31.800	3199.000	37.200	3347.000	24.200	3473.000	21.900	3651.000
GR	21.600	3655.000	18.400	3883.000	16.100	4151.000	13.700	4356.000	12.900	4603.000
GR	15.700	4909.000	17.400	5161.000	20.400	5448.000	21.900	5651.000	21.800	5888.000
GR	22.100	5963.000	20.500	6206.000	18.000	6384.000	11.800	6411.000	11.500	6506.000
GR	16.300	6550.000	18.400	6653.000	17.300	6748.000	13.100	6830.000	11.100	6953.000
GR	11.300	6994.000	13.600	7025.000	14.500	7140.000	15.000	7286.000	14.200	7446.000
GR	13.600	7626.000	12.900	7788.000	12.800	7976.000	13.100	8107.000	15.500	8195.000
GR	16.000	8392.000	16.000	8404.000	43.600	8468.000	0.000	0.000	0.000	0.000
SB	0.900	1.400	2.500	0.000	461.000	76.000	5148.000	1.500	11.900	11.400
ET	107.000	0.000	4.100	1388.000	2111.000	0.000	0.000	0.000	0.000	0.000
X1	107.000	37.000	1388.000	2110.000	230.000	230.000	230.000	0.000	0.000	0.000
X2	0.000	1.000	24.000	20.000	0.000	0.000	0.000	0.000	0.000	0.000
X3	10.000	0.000	0.000	1388.000	24.000	2110.000	24.000	0.000	0.000	0.000
BT	33.000	155.000	20.000	0.000	203.000	20.000	0.000	251.000	20.000	0.000

BT	0.000	1388.000	26.000	0.000	1388.000	26.000	23.500	1410.000	26.000	23.700
BT	1440.000	26.200	13.800	1529.000	26.500	24.000	1540.000	26.500	24.000	1540.000
BT	26.500	12.100	1860.000	26.600	13.200	1860.000	26.600	24.000	1871.000	26.600
BT	24.000	1942.000	26.600	24.000	2043.000	26.500	24.000	2085.000	26.600	24.000
BT	2110.000	26.500	24.000	2110.000	26.500	0.000	2161.000	26.400	0.000	2676.000
BT	23.800	0.000	3414.000	22.000	0.000	3614.000	22.200	0.000	3734.000	23.400
BT	0.000	4052.000	25.800	0.000	4162.000	26.000	0.000	4314.000	26.700	0.000
GR	35.000	0.000	34.300	63.000	33.700	96.000	16.600	168.000	13.800	203.000
GR	16.700	251.000	17.400	334.000	14.400	453.000	17.800	613.000	16.100	703.000
GR	16.300	877.000	15.200	1089.000	17.500	1211.000	17.100	1388.000	13.300	1410.000
GR	12.600	1440.000	12.100	1529.000	12.100	1540.000	13.200	1860.000	13.200	1871.000
GR	12.700	1942.000	13.700	2043.000	17.100	2085.000	18.200	2110.000	15.900	2161.000
GR	14.100	2676.000	20.200	3414.000	20.300	3614.000	19.100	3734.000	24.400	4052.000
GR	23.800	4162.000	26.700	4314.000	28.400	4483.000	26.900	4676.000	25.700	4872.000
GR	26.300	5063.000	26.900	5380.000	0.000	0.000	0.000	0.000	0.000	0.000
NC	0.045	0.045	0.045	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ET	108.000	0.000	4.100	2650.000	3310.000	0.000	0.000	0.000	0.000	0.000
X1	108.000	74.000	2665.000	3182.000	780.000	1100.000	830.000	0.000	0.000	0.000
X3	0.000	0.000	0.000	2650.000	0.000	3310.000	0.000	0.000	0.000	0.000
GR	40.300	0.000	41.500	161.000	42.200	341.000	41.800	439.000	39.500	570.000
GR	39.000	628.000	40.000	663.000	40.000	695.000	38.800	847.000	37.700	983.000
GR	37.500	1027.000	39.100	1172.000	40.700	1299.000	39.800	1322.000	40.100	1383.000
GR	21.400	1423.000	20.200	1510.000	18.800	1650.000	17.800	1810.000	17.500	2000.000
GR	18.200	2063.000	19.000	2184.000	19.100	2301.000	20.500	2368.000	20.300	2484.000
GR	21.100	2516.000	18.700	2528.000	20.400	2542.000	20.900	2665.000	19.300	2683.000
GR	13.000	2722.000	13.000	2761.000	13.000	2837.000	16.700	2899.000	15.000	2914.000
GR	21.100	2949.000	16.700	2979.000	18.400	3043.000	19.400	3141.000	22.900	3182.000
GR	19.200	3200.000	21.700	3217.000	18.500	3243.000	20.300	3260.000	15.500	3263.000
GR	15.600	3266.000	20.100	3273.000	18.700	3284.000	18.500	3318.000	19.900	3330.000
GR	19.500	3415.000	18.700	3552.000	18.700	3608.000	20.100	3639.000	21.200	3690.000
GR	19.200	3779.000	19.600	3892.000	19.800	3969.000	20.200	4060.000	20.500	4179.000
GR	20.600	4303.000	21.200	4447.000	21.400	4595.000	21.900	4654.000	21.500	4708.000
GR	20.000	4727.000	22.300	4879.000	22.900	4992.000	24.200	5095.000	26.800	5187.000
GR	31.900	5207.000	30.900	5221.000	35.100	5315.000	40.000	5387.000	0.000	0.000
ET	0.000	0.000	4.100	2735.000	3095.000	0.000	0.000	0.000	0.000	0.000
X1	109.000	36.000	2852.000	3017.000	250.000	250.000	250.000	0.000	0.000	0.000
X3	10.000	0.000	0.000	2735.000	0.000	3095.000	0.000	0.000	0.000	109.000
GR	42.200	0.000	42.600	195.000	42.300	347.000	40.900	528.000	40.700	625.000
GR	40.200	838.000	38.800	1036.000	37.000	1177.000	36.100	1317.000	34.100	1474.000
GR	28.400	1709.000	20.700	1848.000	19.500	2000.000	19.400	2225.000	20.200	2448.000
GR	21.700	2578.000	20.800	2665.000	17.600	2852.000	18.700	3017.000	22.000	3137.000
GR	22.300	3248.000	22.000	3393.000	22.400	3554.000	22.100	3715.000	21.800	3863.000
GR	23.000	3997.000	22.400	4192.000	22.600	4362.000	23.300	4515.000	24.200	4618.000
GR	24.700	4758.000	25.800	4922.000	28.600	5067.000	34.100	5228.000	39.900	5369.000
GR	45.000	5530.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ET	110.000	0.000	4.100	2700.000	3025.000	0.000	0.000	0.000	0.000	0.000
X1	110.000	47.000	2700.000	3020.000	40.000	40.000	40.000	0.000	0.000	0.000
X3	10.000	0.000	0.000	0.000	0.000	0.000	0.000	33.000	40.000	0.000
GR	41.700	0.000	42.800	111.000	43.500	282.000	43.700	446.000	44.100	582.000
GR	42.300	737.000	42.100	954.000	41.200	1139.000	41.000	1362.000	40.500	1528.000
GR	38.700	1571.000	38.800	1582.000	40.800	1603.000	39.300	1702.000	33.600	1739.000
GR	27.300	1827.000	25.300	2000.000	21.400	2145.000	20.600	2305.000	21.500	2500.000
GR	21.400	2624.000	20.100	2700.000	17.800	2777.000	15.800	2834.000	16.800	2902.000
GR	16.300	2944.000	18.900	3020.000	20.600	3112.000	20.600	3213.000	20.400	3355.000
GR	21.900	3513.000	21.800	3577.000	20.600	3656.000	21.400	3757.000	21.000	3893.000
GR	21.000	4026.000	20.500	4178.000	21.000	4308.000	21.800	4450.000	21.300	4521.000
GR	23.800	4585.000	23.600	4633.000	24.300	4758.000	25.400	4904.000	30.700	5088.000
GR	36.100	5244.000	45.000	5501.000	0.000	0.000	0.000	0.000	0.000	0.000
SB	0.900	1.250	3.000	0.000	336.000	100.000	4620.000	1.000	17.000	17.000
ET	112.000	0.000	4.100	2736.000	3050.000	0.000	0.000	0.000	0.000	0.000

X3	10.000	0.000	0.000	0.000	0.000	0.000	0.000	41.000	43.000	0.000
BT	12.000	1763.000	37.500	0.000	2078.000	36.600	0.000	2146.000	36.500	0.000
BT	2736.000	36.000	0.000	2736.000	36.000	33.000	3040.000	36.500	33.500	3040.000
BT	36.500	0.000	4565.000	42.500	0.000	4565.000	42.500	39.500	4650.000	43.000
BT	40.000	4650.000	43.000	0.000	5407.000	44.500	0.000	0.000	0.000	0.000
GR	42.200	0.000	43.200	127.000	44.700	238.000	44.900	356.000	46.300	495.000
GR	46.200	577.000	46.200	601.000	44.700	682.000	40.500	819.000	40.300	944.000
GR	40.200	1108.000	40.700	1275.000	41.300	1434.000	41.700	1598.000	41.400	1727.000
GR	40.600	1763.000	22.900	1802.000	19.500	1885.000	18.200	2000.000	17.600	2078.000
GR	18.000	2146.000	16.700	2224.000	18.900	2294.000	21.000	2350.000	20.600	2432.000
GR	19.200	2517.000	19.500	2578.000	18.100	2651.000	19.400	2677.000	17.100	2736.000
GR	18.500	2772.000	17.500	2872.000	20.700	2955.000	18.700	2988.000	21.700	3012.000
GR	21.100	3040.000	22.000	3102.000	21.700	3178.000	20.000	3272.000	22.600	3310.000
GR	21.900	3422.000	21.700	3500.000	22.300	3600.000	22.300	3690.000	21.900	3796.000
GR	21.400	3957.000	20.900	4150.000	21.300	4331.000	22.400	4565.000	23.200	4650.000
GR	23.800	4712.000	26.500	4881.000	33.300	5140.000	36.800	5233.000	37.700	5286.000
GR	44.500	5407.000	44.600	5510.000	45.400	5541.000	45.000	5621.000	0.000	0.000
ET	113.000	0.000	4.100	1990.000	2430.000	0.000	0.000	0.000	0.000	0.000
X1	113.000	65.000	2219.000	2404.000	100.000	100.000	100.000	0.000	0.000	0.000
X3	10.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
GR	50.300	0.000	47.200	65.000	41.600	184.000	40.200	335.000	40.300	514.000
GR	42.200	685.000	43.000	936.000	42.200	1037.000	43.500	1076.000	19.500	1138.000
GR	18.900	1200.000	18.900	1355.000	19.000	1500.000	19.700	1521.000	19.300	1522.000
GR	23.300	1529.000	17.300	1567.000	17.300	1597.000	17.300	1612.000	17.300	1651.000
GR	17.300	1704.000	17.300	1758.000	17.300	1795.000	17.300	1809.000	17.300	1840.000
GR	23.200	1872.000	19.500	1884.000	18.400	2022.000	19.000	2066.000	18.700	2089.000
GR	17.300	2124.000	21.000	2180.000	21.800	2219.000	17.300	2266.000	17.300	2307.000
GR	18.500	2348.000	20.900	2404.000	21.000	2504.000	21.400	2602.000	21.100	2714.000
GR	20.800	2768.000	23.500	2807.000	21.500	2911.000	22.300	3004.000	22.300	3095.000
GR	26.400	3127.000	21.700	3156.000	21.200	3272.000	21.400	3421.000	21.900	3537.000
GR	22.100	3629.000	21.800	3732.000	23.400	3761.000	24.000	3885.000	24.500	3929.000
GR	24.200	3971.000	26.200	4173.000	30.900	4363.000	33.100	4379.000	33.200	4413.000
GR	36.800	4521.000	38.900	4584.000	43.200	4613.000	46.700	4729.000	50.000	4890.000
ET	113.100	0.000	4.100	710.000	1450.000	0.000	0.000	0.000	0.000	0.000
X1	113.100	41.000	1228.000	1290.000	250.000	280.000	280.000	0.000	0.000	0.000
X3	10.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
GR	30.500	0.000	23.000	40.000	19.000	70.000	19.000	80.000	20.000	282.000
GR	20.400	388.000	20.200	490.000	20.200	510.000	20.000	527.000	17.800	550.000
GR	17.800	663.000	20.000	722.000	18.200	760.000	21.500	800.000	21.500	933.000
GR	25.000	950.000	27.000	1052.000	25.300	1161.000	23.500	1213.000	23.500	1228.000
GR	17.800	1240.000	18.700	1290.000	23.000	1397.000	23.700	1545.000	22.400	1596.000
GR	23.000	1700.000	22.500	1840.000	25.000	1980.000	25.200	2041.000	24.000	2106.000
GR	21.800	2238.000	22.400	2351.000	25.300	2467.000	27.200	2605.000	26.000	2640.000
GR	26.000	2680.000	26.300	2808.000	26.300	2860.000	29.500	2902.000	31.400	2977.000
GR	31.700	3190.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NC	0.000	0.000	0.000	0.100	0.300	0.000	0.000	0.000	0.000	0.000
ET	114.000	0.000	4.100	970.000	1990.000	0.000	0.000	0.000	0.000	0.000
X1	114.000	36.000	1691.000	1785.000	400.000	400.000	400.000	0.000	0.000	0.000
GR	50.000	0.000	48.900	210.000	48.200	352.000	22.900	425.000	22.600	463.000
GR	23.800	717.000	23.800	1061.000	19.800	1098.000	18.900	1145.000	25.000	1197.000
GR	23.500	1317.000	18.700	1347.000	19.200	1446.000	22.600	1528.000	21.500	1617.000
GR	26.000	1660.000	25.300	1691.000	18.400	1732.000	18.400	1738.000	24.200	1764.000
GR	28.600	1785.000	23.000	1814.000	23.000	1851.000	20.500	1874.000	19.700	2045.000
GR	22.400	2067.000	21.700	2242.000	25.900	2257.000	24.300	2505.000	27.900	2817.000
GR	28.400	3127.000	31.100	3424.000	32.100	3753.000	32.600	3836.000	48.100	3867.000
GR	50.000	3959.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ET	115.000	0.000	4.100	545.000	1770.000	0.000	0.000	0.000	0.000	0.000
X1	115.000	31.000	1486.000	1543.000	330.000	330.000	330.000	0.000	0.000	0.000
GR	50.000	0.000	24.400	140.000	25.600	415.000	25.500	747.000	22.400	909.000
GR	23.600	1028.000	20.000	1061.000	20.000	1081.000	24.100	1098.000	25.300	1142.000

ET	116.000	0.000	4.100	575.000	1845.000	0.000	0.000	0.000	0.000	0.000
X1	116.000	28.000	1592.000	1655.000	400.000	400.000	400.000	0.000	0.000	0.000
X3	10.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
GR	50.000	0.000	26.800	65.000	26.100	286.000	26.700	645.000	24.100	851.000
GR	21.300	883.000	21.300	919.000	25.500	932.000	27.600	1150.000	33.900	1159.000
GR	33.800	1179.000	28.300	1183.000	27.900	1263.000	30.300	1443.000	30.600	1592.000
GR	19.500	1623.000	28.800	1655.000	25.100	1696.000	28.300	1997.000	30.600	2236.000
GR	30.600	2516.000	31.500	2892.000	33.400	2904.000	33.000	2962.000	32.800	3296.000
GR	37.300	3595.000	40.700	3610.000	50.000	3774.000	0.000	0.000	0.000	0.000
ET	117.000	0.000	4.100	720.000	2055.000	0.000	0.000	0.000	0.000	0.000
X1	117.000	36.000	1869.000	1948.000	360.000	240.000	320.000	0.000	0.000	0.000
GR	50.000	0.000	29.700	53.000	28.500	386.000	27.100	621.000	27.800	859.000
GR	27.800	1048.000	32.200	1120.000	32.800	1156.000	40.700	1187.000	33.300	1238.000
GR	52.400	1288.000	29.200	1322.000	29.300	1442.000	27.900	1658.000	27.800	1763.000
GR	31.600	1779.000	35.300	1817.000	30.400	1837.000	30.200	1869.000	20.000	1898.000
GR	20.300	1922.000	27.600	1948.000	29.300	2132.000	29.600	2237.000	29.900	2366.000
GR	32.400	2504.000	31.600	2793.000	35.000	3065.000	36.300	3105.000	34.900	3141.000
GR	35.300	3357.000	37.600	3589.000	38.800	3756.000	44.300	3780.000	46.900	3909.000
GR	50.000	4000.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NC	0.000	0.000	0.000	0.400	0.500	0.000	0.000	0.000	0.000	0.000
ET	118.000	0.000	4.100	435.000	1875.000	0.000	0.000	0.000	0.000	0.000
X1	118.000	39.000	1660.000	1832.000	430.000	370.000	340.000	0.000	0.000	0.000
GR	50.000	0.000	34.100	49.000	29.100	107.000	27.600	360.000	29.500	377.000
GR	28.900	449.000	28.900	463.000	28.900	653.000	28.900	696.000	28.300	740.000
GR	28.500	936.000	30.900	1078.000	28.200	1219.000	28.300	1293.000	30.500	1299.000
GR	31.200	1327.000	28.700	1342.000	34.800	1381.000	28.000	1420.000	27.000	1550.000
GR	31.900	1618.000	38.200	1660.000	29.100	1681.000	29.300	1699.000	21.700	1721.000
GR	21.700	1753.000	26.200	1773.000	26.200	1832.000	33.100	1871.000	33.800	2124.000
GR	34.700	2341.000	35.300	2558.000	37.600	2818.000	38.900	2862.000	37.700	2902.000
GR	38.200	3204.000	41.700	3446.000	43.800	3574.000	50.000	3722.000	0.000	0.000
ET	119.000	0.000	4.100	1155.000	1625.000	0.000	0.000	0.000	0.000	0.000
X1	119.000	34.000	1194.000	1624.000	960.000	710.000	1110.000	0.000	0.000	0.000
X3	10.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
GR	50.000	0.000	46.600	27.000	41.100	265.000	39.000	444.000	34.600	509.000
GR	32.900	603.000	31.200	773.000	30.400	872.000	31.600	974.000	28.300	1104.000
GR	27.000	1194.000	24.600	1203.000	26.600	1220.000	28.300	1349.000	29.100	1462.000
GR	27.800	1584.000	41.300	1624.000	39.400	1747.000	38.000	1925.000	37.400	2041.000
GR	37.700	2183.000	39.400	2190.000	39.400	2215.000	37.400	2291.000	38.600	2461.000
GR	39.100	2663.000	41.700	2856.000	42.500	2966.000	42.300	3045.000	42.400	3243.000
GR	42.700	3368.000	42.900	3439.000	46.000	3463.000	50.000	3626.000	0.000	0.000
SB	0.900	1.250	2.500	0.000	400.000	100.000	3725.000	1.000	27.000	25.200
ET	121.000	0.000	4.100	1234.000	1673.000	0.000	0.000	0.000	0.000	0.000
X1	121.000	46.000	1234.000	1672.000	95.000	95.000	95.000	0.000	0.000	0.000
X2	0.000	0.000	1.000	39.000	39.500	0.000	0.000	0.000	0.000	0.000
X3	10.000	0.000	0.000	0.000	0.000	0.000	0.000	39.500	39.500	0.000
BT	10.000	0.000	50.000	0.000	283.000	44.000	0.000	438.000	42.000	0.000
BT	892.000	40.000	0.000	1234.000	39.500	0.000	1234.000	39.500	38.000	1417.000
BT	40.500	39.000	1672.000	39.500	38.000	1672.000	39.500	0.000	1719.000	39.600
BT	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
GR	50.000	0.000	42.300	44.000	42.000	138.000	40.800	283.000	36.000	438.000
GR	32.400	568.000	30.700	729.000	31.100	804.000	33.200	892.000	31.900	1004.000
GR	28.800	1138.000	28.800	1234.000	28.400	1279.000	30.600	1356.000	30.700	1417.000
GR	28.700	1474.000	31.200	1562.000	31.000	1597.000	24.900	1621.000	24.900	1638.000
GR	37.800	1672.000	39.600	1719.000	39.200	1821.000	38.900	1923.000	38.100	2008.000
GR	39.400	2042.000	38.600	2161.000	38.700	2344.000	39.000	2469.000	39.400	2500.000
GR	37.800	2505.000	40.000	2550.000	39.700	2574.000	39.700	2642.000	39.000	2665.000
GR	38.800	2705.000	40.800	2722.000	41.900	2852.000	43.600	2927.000	43.000	3024.000
GR	43.700	3148.000	45.000	3258.000	44.700	3379.000	46.200	3509.000	48.400	3597.000
GR	50.000	3669.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

X1	122.000	49.000	965.000	1090.000	550.000	790.000	650.000	0.000	0.000	0.000
X3	10.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
GR	50.000	0.000	43.400	13.000	42.700	117.000	40.400	169.000	38.200	212.000
GR	36.300	313.000	36.000	373.000	33.500	385.000	33.600	408.000	34.500	419.000
GR	28.800	490.000	25.800	532.000	25.800	701.000	30.800	761.000	25.600	788.000
GR	28.300	830.000	33.800	942.000	35.000	965.000	30.000	992.000	30.400	1021.000
GR	29.500	1028.000	29.500	1080.000	35.800	1090.000	35.600	1138.000	32.300	1145.000
GR	32.300	1206.000	34.200	1216.000	34.600	1234.000	28.000	1248.000	28.000	1274.000
GR	34.000	1284.000	34.400	1430.000	50.200	1466.000	46.300	1484.000	35.400	1515.000
GR	35.200	1623.000	36.000	1698.000	36.000	1759.000	38.400	1834.000	41.900	1899.000
GR	41.900	2001.000	44.000	2124.000	45.400	2201.000	47.300	2324.000	48.600	2450.000
GR	50.700	2635.000	49.400	2647.000	50.600	2674.000	50.000	2704.000	0.000	0.000
NC	0.000	0.000	0.000	0.100	0.300	0.000	0.000	0.000	0.000	0.000
ET	123.000	0.000	4.100	275.000	1385.000	0.000	0.000	0.000	0.000	0.000
X1	123.000	55.000	814.000	977.000	850.000	850.000	850.000	0.000	0.000	0.000
X3	10.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
GR	75.000	0.000	66.000	15.000	65.800	31.000	48.700	63.000	45.900	139.000
GR	37.100	214.000	39.300	221.000	39.200	233.000	34.200	254.000	34.200	269.000
GR	29.200	310.000	30.500	362.000	28.000	377.000	27.600	431.000	25.900	439.000
GR	28.500	454.000	27.800	506.000	28.800	574.000	28.400	621.000	28.600	694.000
GR	29.800	745.000	29.600	788.000	28.600	799.000	32.300	814.000	32.300	853.000
GR	29.200	873.000	29.000	908.000	31.000	920.000	31.000	937.000	33.800	949.000
GR	33.800	977.000	30.100	1001.000	34.400	1070.000	29.600	1112.000	28.200	1187.000
GR	28.200	1328.000	30.400	1358.000	28.200	1375.000	28.200	1423.000	32.800	1440.000
GR	33.000	1475.000	45.900	1510.000	48.400	1547.000	41.700	1559.000	42.100	1612.000
GR	42.300	1634.000	32.500	1662.000	36.100	1708.000	34.400	1768.000	49.700	1823.000
GR	49.400	1908.000	50.600	2060.000	52.500	2227.000	54.400	2453.000	55.000	2515.000
ET	124.000	0.000	4.100	80.000	1015.000	0.000	0.000	0.000	0.000	0.000
X1	124.000	30.000	606.000	853.000	860.000	800.000	900.000	0.000	0.000	0.000
GR	75.000	0.000	66.000	25.000	34.100	63.000	34.200	77.000	27.000	93.000
GR	27.000	312.000	27.800	408.000	29.100	448.000	29.500	501.000	29.500	530.000
GR	28.200	575.000	29.400	606.000	27.700	631.000	27.800	738.000	27.800	829.000
GR	31.400	853.000	33.600	879.000	32.300	954.000	35.700	998.000	30.000	1012.000
GR	28.600	1151.000	29.000	1343.000	39.300	1355.000	46.700	1395.000	45.600	1434.000
GR	47.800	1503.000	50.600	1598.000	52.200	1720.000	52.900	1873.000	55.000	2042.000
ET	125.000	0.000	4.100	105.000	1022.000	0.000	0.000	0.000	0.000	0.000
X1	125.000	42.000	452.000	815.000	490.000	480.000	550.000	0.000	0.000	0.000
GR	75.000	0.000	41.800	36.000	41.100	59.000	31.100	99.000	30.600	224.000
GR	30.500	283.000	31.300	321.000	29.800	347.000	27.300	366.000	29.700	380.000
GR	29.200	420.000	36.100	452.000	32.400	479.000	27.000	511.000	27.000	557.000
GR	27.400	638.000	28.900	647.000	27.000	653.000	27.000	801.000	33.100	815.000
GR	31.900	833.000	27.000	836.000	27.000	869.000	29.800	879.000	30.100	943.000
GR	30.000	982.000	32.300	1033.000	36.000	1043.000	28.200	1050.000	28.200	1282.000
GR	29.000	1294.000	28.200	1309.000	28.200	1468.000	39.800	1478.000	49.500	1501.000
GR	50.800	1542.000	50.200	1575.000	50.200	1674.000	52.500	1752.000	52.800	1824.000
GR	54.400	1847.000	55.000	1983.000	0.000	0.000	0.000	0.000	0.000	0.000
NC	0.000	0.000	0.000	0.400	0.500	0.000	0.000	0.000	0.000	0.000
ET	125.100	0.000	4.100	265.000	935.000	0.000	0.000	0.000	0.000	0.000
X1	125.100	26.000	365.000	630.000	280.000	220.000	260.000	0.000	0.000	0.000
X3	10.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
GR	84.000	0.000	50.000	53.000	37.300	85.000	36.400	140.000	34.800	178.000
GR	32.500	190.000	32.500	205.000	28.000	233.000	27.500	305.000	28.900	322.000
GR	35.500	335.000	38.000	365.000	27.000	385.000	27.000	618.000	33.000	630.000
GR	35.500	667.000	28.000	700.000	28.000	1117.000	34.500	1167.000	33.200	1195.000
GR	27.500	1210.000	27.500	1265.000	33.500	1275.000	42.800	1320.000	50.300	1385.000
GR	52.000	1447.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ET	126.000	0.000	4.100	539.000	943.000	0.000	0.000	0.000	0.000	0.000
X1	126.000	30.000	539.000	942.000	360.000	210.000	310.000	0.000	0.000	0.000
X3	10.000	0.000	0.000	0.000	0.000	0.000	0.000	53.900	51.700	126.000

GR	40.100	588.000	34.400	613.000	39.100	646.000	35.300	677.000	38.200	746.000
GR	42.300	843.000	43.600	904.000	38.900	942.000	40.500	1052.000	44.700	1163.000
GR	42.300	1255.000	45.700	1368.000	50.000	1470.000	49.800	1573.000	52.800	1623.000
GR	53.900	1708.000	54.100	1771.000	54.300	1930.000	54.500	2094.000	55.000	2126.000
SB	0.900	1.250	2.500	0.000	450.000	44.800	8104.000	0.000	33.600	33.200
ET	128.000	0.000	4.100	1102.000	1541.000	0.000	0.000	0.000	0.000	0.000
X1	128.000	31.000	1102.000	1540.000	84.000	84.000	84.000	0.000	0.000	0.000
X2	0.000	0.000	1.000	53.900	55.000	0.000	0.000	0.000	0.914	0.000
X3	10.000	0.000	0.000	0.000	0.000	0.000	0.000	57.900	55.700	0.000
BT	9.000	0.000	75.000	0.000	310.000	74.500	0.000	625.000	60.000	0.000
BT	907.000	58.800	0.000	1102.000	58.100	0.000	1102.000	58.100	54.900	1540.000
BT	55.700	52.500	1540.000	55.700	0.000	2776.000	55.000	0.000	0.000	0.000
GR	75.000	0.000	68.200	153.000	62.600	310.000	57.600	410.000	53.700	506.000
GR	49.800	590.000	50.000	606.000	56.100	625.000	49.800	718.000	47.300	801.000
GR	52.400	907.000	47.600	1025.000	42.500	1102.000	38.400	1120.000	39.000	1170.000
GR	35.900	1282.000	32.700	1500.000	38.500	1540.000	43.600	1583.000	42.400	1686.000
GR	44.700	1764.000	44.300	1855.000	52.400	1881.000	52.100	1981.000	50.800	2010.000
GR	49.700	2028.000	51.500	2100.000	52.400	2205.000	53.200	2378.000	53.500	2568.000
GR	55.000	2776.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NC	0.000	0.000	0.000	0.100	0.300	0.000	0.000	0.000	0.000	0.000
ET	128.100	0.000	4.100	505.000	981.000	0.000	0.000	0.000	0.000	0.000
X1	128.100	35.000	673.000	980.000	80.000	170.000	100.000	0.000	0.000	0.000
GR	70.000	0.000	68.000	22.000	57.000	53.000	53.500	105.000	52.000	148.000
GR	47.000	167.000	47.000	190.000	42.500	210.000	41.000	245.000	38.500	275.000
GR	37.000	375.000	34.800	458.000	39.000	628.000	39.500	673.000	37.500	700.000
GR	32.700	830.000	32.700	900.000	38.600	980.000	41.700	1032.000	41.000	1125.000
GR	41.500	1185.000	43.800	1285.000	44.600	1370.000	44.600	1380.000	48.300	1410.000
GR	56.500	1440.000	56.400	1520.000	53.700	1607.000	53.700	1673.000	55.000	1725.000
GR	57.500	1838.000	59.700	1992.000	58.600	2030.000	58.600	2060.000	63.000	2168.000
ET	129.000	0.000	4.100	500.000	1040.000	0.000	0.000	0.000	0.000	0.000
X1	129.000	33.000	903.000	1014.000	230.000	380.000	380.000	0.000	0.000	0.000
X3	10.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
GR	75.000	0.000	71.400	134.000	71.200	185.000	46.600	226.000	49.100	298.000
GR	35.300	328.000	33.900	428.000	33.400	555.000	33.400	663.000	36.500	708.000
GR	36.500	737.000	40.100	769.000	40.800	839.000	39.300	903.000	34.800	929.000
GR	34.100	1014.000	40.100	1052.000	42.700	1102.000	40.100	1206.000	41.200	1237.000
GR	38.200	1264.000	42.700	1374.000	45.500	1402.000	45.600	1482.000	53.400	1511.000
GR	55.900	1668.000	59.200	1784.000	60.200	1983.000	62.300	2145.000	69.000	2240.000
GR	70.800	2380.000	72.400	2501.000	75.000	2630.000	0.000	0.000	0.000	0.000
NC	0.040	0.040	0.040	0.100	0.300	0.000	0.000	0.000	0.000	0.000
ET	130.000	0.000	4.100	380.000	920.000	0.000	0.000	0.000	0.000	0.000
X1	130.000	29.000	411.000	628.000	690.000	970.000	830.000	0.000	0.000	0.000
GR	75.000	0.000	64.900	23.000	62.100	48.000	48.100	124.000	47.400	146.000
GR	43.200	205.000	41.400	258.000	45.500	309.000	46.700	364.000	33.600	411.000
GR	33.600	515.000	36.400	575.000	40.100	628.000	39.600	690.000	44.100	722.000
GR	45.700	767.000	44.100	808.000	40.400	843.000	39.300	906.000	42.600	941.000
GR	42.700	1047.000	43.100	1152.000	43.600	1216.000	51.900	1281.000	54.000	1324.000
GR	62.400	1382.000	63.600	1533.000	65.200	1743.000	75.000	1985.000	0.000	0.000
ET	131.000	0.000	4.100	515.000	1190.000	0.000	0.000	0.000	0.000	0.000
X1	131.000	33.000	926.000	1034.000	900.000	935.000	1050.000	0.000	0.000	0.000
GR	75.000	0.000	59.000	51.000	55.800	129.000	48.100	165.000	42.300	208.000
GR	44.000	242.000	50.200	301.000	43.500	346.000	42.400	444.000	48.500	475.000
GR	38.000	533.000	34.200	559.000	41.600	603.000	41.600	661.000	35.800	692.000
GR	39.200	740.000	42.500	807.000	40.300	873.000	39.300	926.000	35.600	949.000
GR	34.900	980.000	43.100	1034.000	39.200	1081.000	40.500	1148.000	38.500	1173.000
GR	42.800	1215.000	42.500	1247.000	57.200	1271.000	70.700	1354.000	71.400	1436.000
GR	72.300	1613.000	73.200	1721.000	75.000	1799.000	0.000	0.000	0.000	0.000
ET	132.000	0.000	4.100	360.000	1005.000	0.000	0.000	0.000	0.000	0.000

GR	45.300	333.000	38.800	377.000	45.000	465.000	46.400	552.000	46.700	597.000
GR	39.300	619.000	43.800	665.000	45.700	686.000	38.800	732.000	41.800	779.000
GR	43.300	868.000	40.900	889.000	42.200	989.000	45.700	1029.000	45.400	1048.000
GR	48.800	1066.000	49.800	1104.000	54.800	1135.000	60.000	1199.000	62.300	1275.000
GR	64.100	1315.000	68.900	1351.000	75.000	1364.000	0.000	0.000	0.000	0.000
ET	133.000	0.000	4.100	150.000	605.000	0.000	0.000	0.000	0.000	0.000
X1	133.000	33.000	419.000	472.000	700.000	700.000	700.000	0.000	0.000	0.000
GR	80.000	0.000	56.500	46.000	56.300	68.000	61.000	89.000	60.900	121.000
GR	50.700	156.000	49.900	264.000	53.400	308.000	47.000	352.000	45.800	419.000
GR	42.700	442.000	47.600	472.000	46.100	492.000	49.300	519.000	46.200	541.000
GR	49.500	568.000	47.700	596.000	56.100	662.000	58.400	771.000	56.100	823.000
GR	58.400	895.000	59.300	916.000	57.400	946.000	61.600	992.000	57.800	1025.000
GR	67.000	1066.000	68.200	1111.000	65.500	1129.000	72.100	1169.000	75.300	1243.000
GR	76.800	1322.000	76.300	1351.000	80.000	1412.000	0.000	0.000	0.000	0.000
ET	133.100	0.000	4.100	30.000	492.000	0.000	0.000	0.000	0.000	0.000
X1	133.100	35.000	380.000	426.000	210.000	200.000	200.000	0.000	0.000	0.000
X3	10.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
GR	71.000	0.000	50.000	30.000	44.500	50.000	42.700	73.000	45.400	110.000
GR	45.800	145.000	45.800	160.000	45.300	177.000	51.000	213.000	53.800	262.000
GR	51.600	300.000	48.700	380.000	42.700	405.000	49.200	426.000	50.000	500.000
GR	56.500	535.000	59.200	590.000	57.000	627.000	54.000	645.000	57.300	670.000
GR	60.800	695.000	61.200	760.000	60.000	805.000	58.300	820.000	58.300	840.000
GR	60.300	858.000	57.500	906.000	60.200	953.000	66.400	977.000	63.000	1000.000
GR	63.000	1020.000	70.500	1040.000	72.300	1122.000	74.000	1190.000	78.000	1290.000
ET	133.200	0.000	4.100	46.000	493.000	0.000	0.000	0.000	0.000	0.000
X1	133.200	34.000	354.000	425.000	280.000	260.000	280.000	0.000	0.000	0.000
GR	75.000	0.000	53.700	23.000	46.500	70.000	45.000	117.000	48.500	143.000
GR	50.300	170.000	50.400	233.000	47.000	255.000	47.000	270.000	47.500	300.000
GR	49.200	354.000	42.700	376.000	42.700	413.000	49.200	425.000	53.200	463.000
GR	49.800	490.000	54.000	515.000	60.300	575.000	57.000	622.000	60.000	695.000
GR	60.500	760.000	60.800	780.000	60.800	800.000	59.500	850.000	61.800	920.000
GR	67.000	960.000	62.700	990.000	67.700	1045.000	73.000	1105.000	72.400	1140.000
GR	72.400	1155.000	73.800	1210.000	76.500	1250.000	77.000	1305.000	0.000	0.000
ET	134.000	0.000	4.100	44.000	490.000	0.000	0.000	0.000	0.000	0.000
X1	134.000	25.000	274.000	471.000	250.000	230.000	240.000	0.000	0.000	0.000
GR	80.000	0.000	49.800	45.000	49.300	81.000	51.900	106.000	51.400	209.000
GR	46.700	230.000	54.600	274.000	50.300	301.000	48.700	352.000	42.800	369.000
GR	47.800	407.000	59.200	471.000	59.200	489.000	51.600	533.000	58.400	591.000
GR	59.000	703.000	61.400	813.000	61.900	840.000	59.300	860.000	59.100	951.000
GR	75.500	1014.000	74.800	1123.000	76.500	1305.000	77.000	1347.000	80.000	1365.000
ET	134.100	0.000	4.100	30.000	445.000	0.000	0.000	0.000	0.000	0.000
X1	134.100	29.000	320.000	375.000	220.000	200.000	210.000	0.000	0.000	0.000
GR	61.400	0.000	58.500	23.000	54.000	47.000	51.200	115.000	50.300	162.000
GR	53.000	222.000	51.500	280.000	50.000	320.000	47.200	345.000	52.600	375.000
GR	56.800	435.000	59.000	520.000	56.000	570.000	59.500	600.000	58.700	648.000
GR	58.700	665.000	62.000	700.000	62.400	765.000	63.500	790.000	63.500	815.000
GR	63.500	875.000	65.000	922.000	63.700	964.000	68.600	990.000	74.000	1010.000
GR	75.500	1057.000	76.600	1148.000	78.000	1190.000	78.200	1305.000	0.000	0.000
ET	135.000	0.000	4.100	113.000	495.000	0.000	0.000	0.000	0.000	0.000
X1	135.000	20.000	154.000	239.000	180.000	160.000	170.000	0.000	0.000	0.000
X3	10.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
GR	85.000	0.000	55.800	102.000	47.700	154.000	47.900	191.000	55.900	239.000
GR	53.700	337.000	50.400	388.000	57.900	461.000	52.600	544.000	59.000	609.000
GR	59.600	710.000	64.300	762.000	62.100	802.000	64.100	862.000	64.500	888.000
GR	64.100	963.000	75.300	996.000	76.500	1125.000	78.000	1327.000	80.000	1399.000
ET	136.000	0.000	4.100	213.000	655.000	0.000	0.000	0.000	0.000	0.000
X1	136.000	22.000	213.000	281.000	530.000	510.000	520.000	0.000	0.000	0.000

GR	57.000	393.000	56.400	467.000	60.000	495.000	58.100	576.000	58.400	648.000
GR	56.400	721.000	64.300	784.000	61.300	878.000	72.100	912.000	72.500	952.000
GR	76.400	1036.000	80.000	1094.000	0.000	0.000	0.000	0.000	0.000	0.000
ET	137.000	0.000	4.100	300.000	730.000	0.000	0.000	0.000	0.000	0.000
X1	137.000	19.000	536.000	663.000	410.000	390.000	440.000	0.000	0.000	0.000
X3	10.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
GR	100.000	0.000	78.200	100.000	72.200	146.000	72.600	174.000	71.600	228.000
GR	71.000	281.000	63.700	312.000	60.500	366.000	64.100	473.000	65.000	536.000
GR	57.800	583.000	57.800	631.000	63.400	663.000	60.800	785.000	65.000	836.000
GR	70.900	885.000	70.900	904.000	73.100	956.000	90.000	1017.000	0.000	0.000
ET	138.000	0.000	4.100	400.000	995.000	0.000	0.000	0.000	0.000	0.000
X1	138.000	26.000	435.000	757.000	920.000	820.000	860.000	0.000	0.000	0.000
GR	100.000	0.000	95.400	60.000	91.600	130.000	80.400	160.000	77.300	212.000
GR	75.200	308.000	74.800	390.000	74.000	435.000	71.200	461.000	66.100	492.000
GR	67.200	501.000	70.000	535.000	67.200	598.000	67.000	626.000	68.800	645.000
GR	74.500	757.000	73.500	839.000	72.700	941.000	65.300	964.000	72.400	977.000
GR	62.400	1024.000	81.000	1075.000	93.300	1152.000	93.600	1173.000	97.600	1196.000
GR	100.000	1396.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ET	138.100	0.000	4.100	418.000	1004.000	0.000	0.000	0.000	0.000	0.000
X1	138.100	37.000	493.000	684.000	60.000	80.000	70.000	0.000	0.000	0.000
GR	105.000	0.000	100.000	20.000	96.300	50.000	92.600	74.000	91.000	105.000
GR	91.000	120.000	87.300	150.000	81.500	178.000	76.000	250.000	74.500	275.000
GR	77.600	305.000	72.800	337.000	70.300	368.000	71.700	420.000	71.600	442.000
GR	70.500	493.000	68.000	522.000	64.500	560.000	64.500	632.000	66.000	658.000
GR	68.500	684.000	72.300	738.000	72.800	850.000	73.000	923.000	67.000	950.000
GR	67.000	970.000	77.000	1008.000	80.000	1032.000	81.000	1060.000	81.000	1070.000
GR	76.300	1110.000	80.500	1140.000	94.700	1163.000	96.800	1213.000	98.300	1295.000
GR	99.000	1390.000	100.000	1470.000	0.000	0.000	0.000	0.000	0.000	0.000
ET	138.300	0.000	4.100	410.000	1020.000	0.000	0.000	0.000	0.000	0.000
X1	138.300	35.000	550.000	700.000	200.000	250.000	220.000	0.000	0.000	0.000
GR	101.600	0.000	92.400	63.000	97.300	90.000	87.300	105.000	85.500	128.000
GR	73.000	145.000	73.000	155.000	78.200	172.000	81.700	218.000	80.000	260.000
GR	77.000	300.000	71.000	332.000	70.000	350.000	72.500	388.000	73.300	460.000
GR	70.300	500.000	70.800	550.000	66.000	595.000	66.500	672.000	69.800	700.000
GR	71.200	750.000	73.500	857.000	72.200	920.000	72.200	930.000	72.000	960.000
GR	73.000	1015.000	72.600	1070.000	74.000	1137.000	79.000	1175.000	90.400	1208.000
GR	89.400	1260.000	89.200	1295.000	91.300	1340.000	95.600	1388.000	102.000	1432.000
ET	139.000	0.000	4.100	480.000	1070.000	0.000	0.000	0.000	0.000	0.000
X1	139.000	30.000	601.000	1013.000	130.000	100.000	90.000	0.000	0.000	0.000
GR	100.000	0.000	90.900	71.000	88.900	117.000	89.900	155.000	81.000	175.000
GR	79.300	238.000	77.600	329.000	73.500	405.000	73.100	459.000	73.200	527.000
GR	73.000	601.000	70.300	645.000	67.500	679.000	71.200	708.000	73.000	833.000
GR	73.600	881.000	73.800	936.000	75.700	983.000	70.000	1013.000	79.100	1067.000
GR	76.300	1107.000	79.800	1129.000	79.800	1181.000	85.000	1201.000	84.600	1241.000
GR	100.000	1257.000	100.700	1302.000	93.500	1348.000	94.300	1483.000	100.000	1500.000
ET	140.000	0.000	4.100	648.000	1090.000	0.000	0.000	0.000	0.000	0.000
X1	140.000	24.000	948.000	1055.000	420.000	400.000	355.000	0.000	0.000	0.000
GR	100.000	0.000	96.200	35.000	94.900	78.000	94.300	138.000	91.600	195.000
GR	82.700	278.000	84.400	351.000	81.600	445.000	82.000	494.000	80.200	550.000
GR	79.200	603.000	76.800	663.000	73.600	717.000	73.800	814.000	73.100	859.000
GR	71.800	901.000	77.200	948.000	72.000	961.000	69.100	983.000	69.100	1055.000
GR	81.000	1098.000	82.000	1126.000	97.200	1144.000	100.000	1288.000	0.000	0.000
NC	0.000	0.000	0.000	0.300	0.500	0.000	0.000	0.000	0.000	0.000
ET	141.000	0.000	4.100	582.000	1030.000	0.000	0.000	0.000	0.000	0.000
X1	141.000	23.000	585.000	944.000	450.000	480.000	470.000	0.000	0.000	0.000

GR	99.100	997.000	95.700	1014.000	95.100	1159.000	96.700	1225.000	92.600	1285.000
GR	96.100	1328.000	101.500	1411.000	98.000	1436.000	102.100	1464.000	104.900	1502.000
GR	120.400	1537.000	125.500	1719.000	129.100	1883.000	130.800	1892.000	130.200	1919.000
GR	129.200	1927.000	130.000	1937.000	0.000	0.000	0.000	0.000	0.000	0.000
ET	149.000	0.000	4.100	208.000	722.000	0.000	0.000	0.000	0.000	0.000
X1	149.000	16.000	274.000	505.000	900.000	1020.000	980.000	0.000	0.000	0.000
X3	10.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
GR	135.000	0.000	134.200	9.000	108.400	67.000	107.000	146.000	104.400	274.000
GR	103.000	384.000	104.600	438.000	102.200	468.000	107.000	505.000	106.000	620.000
GR	106.000	761.000	104.700	848.000	116.400	890.000	119.500	1016.000	130.700	1171.000
GR	135.000	1289.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ET	149.100	0.000	4.100	170.000	805.000	0.000	0.000	0.000	0.000	0.000
X1	149.100	29.000	430.000	567.000	610.000	560.000	600.000	0.000	0.000	0.000
GR	127.000	0.000	125.000	40.000	115.800	90.000	117.300	112.000	111.400	170.000
GR	111.400	195.000	107.700	240.000	106.000	282.000	106.000	370.000	110.000	390.000
GR	111.600	405.000	110.000	418.000	108.000	430.000	103.800	490.000	103.800	540.000
GR	107.300	567.000	107.500	650.000	110.000	665.000	111.600	728.000	111.400	777.000
GR	109.000	823.000	110.800	862.000	115.000	880.000	115.000	910.000	111.800	937.000
GR	107.000	970.000	110.400	1017.000	119.000	1042.000	129.000	1080.000	0.000	0.000
ET	150.000	0.000	4.100	500.000	1165.000	0.000	0.000	0.000	0.000	0.000
X1	150.000	28.000	861.000	1152.000	560.000	600.000	570.000	0.000	0.000	0.000
X3	10.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
GR	135.000	0.000	131.500	9.000	128.500	156.000	124.800	254.000	119.300	293.000
GR	116.600	391.000	113.700	427.000	115.000	485.000	105.200	512.000	110.000	542.000
GR	108.800	620.000	106.100	709.000	106.600	837.000	111.300	861.000	105.900	884.000
GR	106.700	1003.000	107.900	1152.000	115.200	1177.000	117.500	1202.000	108.900	1224.000
GR	106.100	1239.000	106.100	1285.000	107.400	1312.000	107.500	1401.000	117.400	1432.000
GR	118.300	1485.000	129.800	1538.000	135.000	1592.000	0.000	0.000	0.000	0.000
ET	151.000	0.000	4.100	315.000	1030.000	0.000	0.000	0.000	0.000	0.000
X1	151.000	23.000	627.000	1000.000	1030.000	1000.000	1045.000	0.000	0.000	0.000
GR	140.000	0.000	121.700	40.000	123.000	162.000	116.500	181.000	113.400	239.000
GR	112.000	338.000	113.400	460.000	113.100	590.000	116.000	627.000	112.300	652.000
GR	112.800	802.000	113.700	883.000	113.700	974.000	116.700	1000.000	111.500	1031.000
GR	111.800	1112.000	111.000	1250.000	114.700	1258.000	118.500	1297.000	118.500	1314.000
GR	127.900	1331.000	127.300	1360.000	135.000	1369.000	0.000	0.000	0.000	0.000
ET	152.000	0.000	4.100	505.000	1095.000	0.000	0.000	0.000	0.000	0.000
X1	152.000	25.000	833.000	932.000	540.000	590.000	560.000	0.000	0.000	0.000
X3	10.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	152.000
GR	150.000	0.000	146.000	71.000	127.300	135.000	127.200	311.000	125.800	384.000
GR	114.700	413.000	114.300	468.000	114.200	642.000	115.200	788.000	122.700	813.000
GR	121.900	833.000	114.800	853.000	114.800	895.000	120.000	932.000	118.800	1040.000
GR	117.800	1191.000	116.000	1313.000	116.100	1369.000	116.900	1405.000	117.300	1494.000
GR	123.400	1517.000	124.700	1550.000	129.200	1575.000	129.600	1623.000	150.000	1664.000
ET	153.000	0.000	4.100	660.000	1250.000	0.000	0.000	0.000	0.000	0.000
X1	153.000	30.000	705.000	1096.000	180.000	190.000	190.000	0.000	0.000	0.000
X3	10.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
GR	150.000	0.000	141.500	137.000	135.500	185.000	144.000	222.000	125.900	272.000
GR	124.500	350.000	115.300	376.000	115.300	413.000	123.000	445.000	115.300	468.000
GR	115.300	582.000	120.300	622.000	115.700	641.000	116.900	682.000	125.900	705.000
GR	116.000	725.000	115.900	771.000	116.400	845.000	119.900	882.000	115.300	945.000
GR	124.400	993.000	124.600	1096.000	123.000	1236.000	124.200	1358.000	124.000	1501.000
GR	117.600	1592.000	122.700	1647.000	129.900	1707.000	129.700	1766.000	150.000	1795.000
ET	154.000	0.000	4.100	555.000	1145.000	0.000	0.000	0.000	0.000	0.000
X1	154.000	26.000	599.000	943.000	350.000	330.000	345.000	0.000	0.000	0.000
X3	10.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
GR	150.000	0.000	144.100	94.000	138.800	204.000	129.900	279.000	129.000	425.000
GR	123.300	503.000	116.900	541.000	116.900	575.000	125.200	599.000	117.800	617.000

GR	97.500	346.000	95.400	442.000	92.500	526.000	81.000	551.000	80.700	563.000
GR	74.100	585.000	73.200	691.000	72.600	768.000	70.700	842.000	71.400	911.000
GR	73.100	944.000	72.900	994.000	80.000	1052.000	83.400	1102.000	88.800	1135.000
GR	95.700	1169.000	98.100	1240.000	105.000	1430.000	0.000	0.000	0.000	0.000
ET	142.000	0.000	4.100	870.000	1251.000	0.000	0.000	0.000	0.000	0.000
X1	142.000	22.000	870.000	1250.000	430.000	510.000	500.000	0.000	0.000	0.000
X3	10.000	0.000	0.000	0.000	0.000	0.000	0.000	116.000	116.000	0.000
GR	150.000	0.000	137.400	11.000	135.500	29.000	120.900	68.000	114.300	106.000
GR	112.800	206.000	111.700	262.000	106.800	368.000	103.400	476.000	100.600	544.000
GR	96.400	662.000	90.000	680.000	90.000	870.000	71.200	930.000	71.200	1160.000
GR	90.000	1250.000	90.000	1460.000	91.800	1473.000	95.900	1539.000	102.000	1618.000
GR	104.900	1692.000	110.000	1978.000	0.000	0.000	0.000	0.000	0.000	0.000
SH	0.900	1.400	2.500	410.000	190.000	36.000	12056.000	2.000	76.100	73.100
ET	143.000	0.000	4.100	1720.000	2186.000	0.000	0.000	0.000	0.000	0.000
X1	143.000	28.000	1755.000	2185.000	400.000	410.000	445.000	0.000	0.000	0.000
X2	0.000	0.000	1.000	116.000	127.000	0.000	0.000	0.000	0.000	0.000
X3	10.000	0.000	0.000	0.000	0.000	0.000	0.000	127.000	127.000	0.000
GR	150.000	0.000	144.700	134.000	137.700	310.000	130.400	476.000	127.500	628.000
GR	120.300	745.000	114.000	846.000	111.800	985.000	107.700	1102.000	104.400	1193.000
GR	102.500	1294.000	93.700	1373.000	90.400	1441.000	88.500	1548.000	84.900	1632.000
GR	77.800	1755.000	78.100	1805.000	78.000	1870.000	78.400	1981.000	78.500	2089.000
GR	79.500	2185.000	86.300	2298.000	90.600	2343.000	106.500	2394.000	110.100	2430.000
GR	111.600	2603.000	114.700	2765.000	115.000	2812.000	0.000	0.000	0.000	0.000
ET	144.000	0.000	4.100	800.000	1490.000	0.000	0.000	0.000	0.000	0.000
X1	144.000	27.000	1266.000	1427.000	380.000	230.000	350.000	0.000	0.000	0.000
GR	115.000	0.000	113.300	105.000	110.700	211.000	108.200	330.000	104.800	458.000
GR	101.900	557.000	96.700	631.000	92.900	667.000	92.600	722.000	92.600	773.000
GR	87.700	874.000	82.700	942.000	87.400	1009.000	86.700	1067.000	84.900	1122.000
GR	81.800	1205.000	81.800	1266.000	79.600	1315.000	81.500	1343.000	79.600	1355.000
GR	85.300	1427.000	85.400	1488.000	87.800	1517.000	99.500	1558.000	107.200	1606.000
GR	109.900	1628.000	115.000	1968.000	0.000	0.000	0.000	0.000	0.000	0.000
NC	0.000	0.000	0.000	0.100	0.300	0.000	0.000	0.000	0.000	0.000
ET	145.000	0.000	4.100	560.000	1115.000	0.000	0.000	0.000	0.000	0.000
X1	145.000	23.000	648.000	1046.000	970.000	960.000	1070.000	0.000	0.000	0.000
X3	10.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
GR	120.000	0.000	112.400	177.000	104.900	312.000	100.400	402.000	98.200	458.000
GR	98.300	513.000	98.500	548.000	86.200	560.000	87.000	621.000	86.500	648.000
GR	83.700	655.000	83.700	1046.000	92.500	1123.000	92.500	1135.000	88.400	1168.000
GR	88.200	1220.000	85.200	1247.000	85.200	1268.000	93.400	1295.000	111.900	1324.000
GR	112.600	1392.000	115.600	1510.000	120.000	1704.000	0.000	0.000	0.000	0.000
ET	146.000	0.000	4.100	412.000	1292.000	0.000	0.000	0.000	0.000	0.000
X1	146.000	25.000	418.000	756.000	880.000	960.000	885.000	0.000	0.000	0.000
X3	10.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
GR	125.000	0.000	119.800	130.000	113.000	261.000	108.200	356.000	106.900	395.000
GR	101.100	418.000	91.000	489.000	99.900	559.000	100.900	653.000	101.600	756.000
GR	102.800	806.000	127.400	839.000	126.800	873.000	120.000	916.000	111.500	941.000
GR	115.300	1017.000	117.900	1074.000	115.800	1114.000	99.600	1169.000	90.900	1220.000
GR	92.800	1229.000	92.800	1257.000	119.700	1353.000	121.400	1410.000	125.000	1530.000
ET	147.000	0.000	4.100	645.000	1280.000	0.000	0.000	0.000	0.000	0.000
X1	147.000	20.000	1081.000	1174.000	460.000	460.000	545.000	0.000	0.000	0.000
GR	125.000	0.000	119.100	102.000	113.500	310.000	105.100	519.000	102.900	609.000
GR	101.700	712.000	94.300	730.000	93.600	873.000	93.500	955.000	93.000	1008.000
GR	95.000	1081.000	92.100	1111.000	92.200	1149.000	93.700	1174.000	92.200	1234.000
GR	94.100	1362.000	107.800	1455.000	112.300	1494.000	119.000	1604.000	125.000	1734.000
ET	148.000	0.000	4.100	620.000	1220.000	0.000	0.000	0.000	0.000	0.000
X1	148.000	27.000	997.000	1159.000	450.000	470.000	370.000	0.000	0.000	0.000
X3	10.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

GR	119.000	1305.000	118.500	1464.000	121.500	1541.000	134.200	1575.000	133.700	1634.000
GR	150.000	1663.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ET	155.000	0.000	4.100	588.000	1162.000	0.000	0.000	0.000	0.000	0.000
X1	155.000	26.000	707.000	968.000	350.000	290.000	330.000	0.000	0.000	0.000
GR	150.000	0.000	140.900	272.000	135.700	448.000	133.800	513.000	124.900	551.000
GR	120.600	707.000	118.700	855.000	118.700	952.000	122.800	968.000	122.500	1031.000
GR	124.400	1053.000	122.600	1121.000	125.900	1135.000	124.700	1235.000	118.100	1253.000
GR	118.100	1274.000	121.500	1289.000	120.700	1396.000	118.100	1406.000	118.100	1430.000
GR	121.000	1465.000	118.800	1480.000	118.900	1506.000	137.000	1538.000	136.900	1598.000
GR	150.000	1624.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ET	156.000	0.000	4.100	655.000	1235.000	0.000	0.000	0.000	0.000	0.000
X1	156.000	17.000	696.000	1183.000	230.000	250.000	300.000	0.000	0.000	0.000
GR	150.000	0.000	143.700	169.000	138.000	413.000	135.800	534.000	127.400	573.000
GR	123.400	696.000	118.100	740.000	118.100	1051.000	119.200	1183.000	121.500	1278.000
GR	121.000	1349.000	128.300	1378.000	127.200	1443.000	128.800	1510.000	135.200	1531.000
GR	134.400	1581.000	150.000	1622.000	0.000	0.000	0.000	0.000	0.000	0.000
ET	157.000	0.000	4.100	660.000	1260.000	0.000	0.000	0.000	0.000	0.000
X1	157.000	20.000	1123.000	1213.000	150.000	170.000	170.000	0.000	0.000	0.000
GR	150.000	0.000	142.000	335.000	139.100	447.000	133.400	537.000	129.300	617.000
GR	123.200	766.000	122.800	882.000	129.000	911.000	128.300	1035.000	127.200	1123.000
GR	121.100	1144.000	124.800	1181.000	128.300	1213.000	128.000	1313.000	128.000	1348.000
GR	128.000	1470.000	133.900	1484.000	135.800	1525.000	134.500	1564.000	150.000	1592.000
ET	157.100	0.000	4.100	682.000	1312.000	0.000	0.000	0.000	0.000	0.000
X1	157.100	33.000	1062.000	1160.000	190.000	190.000	190.000	0.000	0.000	0.000
GR	152.000	0.000	149.300	118.000	146.500	210.000	144.400	300.000	143.700	370.000
GR	141.800	440.000	139.200	458.000	138.700	490.000	135.200	557.000	133.800	570.000
GR	136.200	619.000	133.800	641.000	128.600	664.000	125.500	690.000	125.000	777.000
GR	123.500	800.000	123.500	1008.000	125.000	1018.000	126.000	1062.000	123.500	1090.000
GR	123.500	1150.000	125.400	1160.000	125.600	1216.000	128.000	1245.000	128.000	1260.000
GR	126.200	1290.000	126.200	1305.000	125.000	1316.000	125.000	1496.000	130.200	1500.000
GR	135.400	1528.000	135.400	1552.000	150.000	1587.000	0.000	0.000	0.000	0.000
ET	158.000	0.000	4.100	635.000	1272.000	0.000	0.000	0.000	0.000	0.000
X1	158.000	21.000	822.000	1111.000	210.000	200.000	210.000	0.000	0.000	0.000
GR	150.000	0.000	141.700	275.000	136.500	514.000	133.000	532.000	124.500	628.000
GR	124.700	685.000	129.700	733.000	121.500	822.000	121.700	962.000	122.800	1024.000
GR	122.600	1073.000	130.800	1111.000	130.500	1217.000	123.300	1241.000	123.100	1264.000
GR	121.500	1290.000	121.500	1346.000	124.700	1400.000	137.700	1425.000	137.200	1475.000
GR	150.000	1491.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ET	159.000	0.000	4.100	1068.000	1718.000	0.000	0.000	0.000	0.000	0.000
X1	159.000	16.000	1112.000	1544.000	560.000	570.000	575.000	0.000	0.000	0.000
GR	165.000	0.000	150.000	303.000	143.500	634.000	140.600	768.000	134.700	881.000
GR	131.200	999.000	124.700	1031.000	124.500	1095.000	122.000	1112.000	122.000	1419.000
GR	124.400	1544.000	129.300	1667.000	133.700	1745.000	146.300	1775.000	146.800	1813.000
GR	165.000	1834.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ET	160.000	0.000	4.100	1565.000	2250.000	0.000	0.000	0.000	0.000	0.000
X1	160.000	24.000	2003.000	2161.000	500.000	330.000	480.000	0.000	0.000	0.000
GR	175.000	0.000	168.400	207.000	160.800	437.000	154.200	632.000	151.100	785.000
GR	145.700	844.000	142.900	964.000	141.800	1177.000	140.700	1310.000	139.500	1511.000
GR	137.400	1649.000	137.800	1732.000	141.500	1783.000	142.200	1904.000	142.700	2003.000
GR	134.300	2044.000	131.800	2075.000	135.900	2094.000	135.500	2130.000	136.700	2161.000
GR	136.600	2234.000	138.900	2272.000	140.500	2308.000	175.000	2392.000	0.000	0.000
ET	161.000	0.000	4.100	1480.000	2225.000	0.000	0.000	0.000	0.000	0.000
X1	161.000	15.000	1951.000	2196.000	30.000	30.000	30.000	0.000	0.000	0.000
GR	175.000	0.000	167.200	215.000	160.000	420.000	151.700	607.000	146.400	809.000
GR	143.000	985.000	142.000	1181.000	140.800	1370.000	139.700	1528.000	138.900	1752.000
GR	138.300	1951.000	136.200	2065.000	137.300	2196.000	140.700	2280.000	175.000	2363.000

X1	162.000	20.000	1760.000	2059.000	40.000	40.000	50.000	0.000	0.000	0.000
X1	10.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
GR	175.000	0.000	167.000	213.000	159.700	429.000	153.800	568.000	148.300	643.000
GR	144.200	842.000	142.700	929.000	142.600	1039.000	140.600	1208.000	139.400	1363.000
GR	135.200	1511.000	137.300	1668.000	138.200	1760.000	133.000	1886.000	130.200	1947.000
GR	132.500	2016.000	137.600	2059.000	138.300	2144.000	141.300	2253.000	175.000	2336.000
ET	163.000	0.000	4.100	762.000	1570.000	0.000	0.000	0.000	0.000	0.000
X1	163.000	30.000	1032.000	1270.000	850.000	1240.000	1150.000	0.000	0.000	0.000
GR	175.000	0.000	168.600	175.000	165.900	265.000	148.700	350.000	144.000	425.000
GR	145.400	544.000	136.100	572.000	140.900	597.000	139.300	737.000	139.500	785.000
GR	133.300	802.000	131.100	876.000	131.000	919.000	134.800	929.000	133.100	1032.000
GR	130.200	1048.000	130.200	1227.000	135.300	1270.000	136.000	1311.000	133.000	1320.000
GR	133.000	1343.000	130.300	1355.000	130.100	1434.000	140.000	1449.000	137.800	1490.000
GR	139.200	1558.000	147.500	1594.000	145.100	1602.000	145.300	1633.000	175.000	1677.000
ET	164.000	0.000	4.100	810.000	1330.000	0.000	0.000	0.000	0.000	0.000
X1	164.000	19.000	1104.000	1293.000	960.000	960.000	960.000	0.000	0.000	0.000
GR	175.000	0.000	168.000	217.000	158.200	380.000	151.300	521.000	147.400	658.000
GR	136.100	744.000	137.100	859.000	140.700	926.000	136.900	971.000	137.800	1036.000
GR	140.800	1104.000	137.000	1173.000	137.900	1247.000	134.200	1293.000	144.200	1346.000
GR	145.800	1457.000	154.100	1478.000	155.500	1504.000	175.000	1542.000	0.000	0.000
ET	165.000	0.000	4.100	715.000	1238.000	0.000	0.000	0.000	0.000	0.000
X1	165.000	20.000	865.000	1236.000	770.000	870.000	750.000	0.000	0.000	0.000
GR	175.000	0.000	165.300	216.000	160.200	422.000	156.900	510.000	148.500	537.000
GR	146.900	652.000	143.500	728.000	138.500	825.000	141.900	865.000	139.600	958.000
GR	138.300	1031.000	137.500	1087.000	141.200	1185.000	144.900	1236.000	143.700	1306.000
GR	140.400	1337.000	156.600	1375.000	158.300	1492.000	158.200	1557.000	175.000	1599.000
ET	166.000	0.000	4.100	515.000	1030.000	0.000	0.000	0.000	0.000	0.000
X1	166.000	20.000	604.000	774.000	800.000	940.000	840.000	0.000	0.000	0.000
GR	180.000	0.000	173.000	247.000	168.900	366.000	163.900	392.000	166.000	406.000
GR	151.500	452.000	144.000	515.000	147.700	555.000	147.700	604.000	141.300	700.000
GR	141.200	702.000	144.000	774.000	143.400	800.000	142.200	833.000	144.400	984.000
GR	146.600	1098.000	149.300	1204.000	157.800	1229.000	158.300	1325.000	180.000	1409.000
ET	167.000	0.000	4.100	322.000	815.000	0.000	0.000	0.000	0.000	0.000
X1	167.000	23.000	538.000	813.000	1100.000	870.000	1115.000	0.000	0.000	0.000
GR	185.000	0.000	173.500	52.000	174.400	68.000	160.400	109.000	161.000	140.000
GR	161.000	163.000	157.700	222.000	157.700	269.000	158.800	309.000	160.900	351.000
GR	156.100	383.000	153.600	457.000	154.500	538.000	152.900	650.000	153.100	754.000
GR	154.500	813.000	159.800	836.000	159.900	851.000	167.900	1038.000	166.600	1120.000
GR	168.400	1226.000	170.200	1261.000	185.000	1325.000	0.000	0.000	0.000	0.000
ET	168.000	0.000	4.100	450.000	970.000	0.000	0.000	0.000	0.000	0.000
X1	168.000	19.000	775.000	963.000	830.000	760.000	820.000	0.000	0.000	0.000
GR	185.000	0.000	174.800	80.000	171.000	143.000	171.700	236.000	167.900	337.000
GR	166.300	435.000	157.800	455.000	159.100	528.000	157.400	662.000	156.500	775.000
GR	155.300	848.000	154.400	888.000	158.400	921.000	162.900	963.000	163.200	1033.000
GR	173.600	1083.000	181.000	1181.000	185.900	1285.000	190.000	1332.000	0.000	0.000
NC	0.040	0.040	0.040	0.100	0.300	0.000	0.000	0.000	0.000	0.000
ET	168.100	0.000	4.100	325.000	731.000	0.000	0.000	0.000	0.000	0.000
X1	169.100	22.000	635.000	730.000	450.000	450.000	450.000	0.000	0.000	0.000
GR	201.000	0.000	197.300	50.000	191.000	100.000	180.200	173.000	177.700	210.000
GR	174.000	282.000	162.700	328.000	157.000	355.000	156.800	410.000	157.500	463.000
GR	157.200	603.000	157.000	635.000	156.700	710.000	161.400	730.000	161.800	790.000
GR	168.600	815.000	175.000	835.000	180.000	850.000	184.400	890.000	184.800	938.000
GR	188.500	983.000	201.000	1030.000	0.000	0.000	0.000	0.000	0.000	0.000
ET	169.000	0.000	4.100	750.000	1018.000	0.000	0.000	0.000	0.000	0.000
X1	169.000	18.000	775.000	1010.000	510.000	500.000	500.000	0.000	0.000	0.000
GR	225.000	0.000	212.600	47.000	212.100	63.000	202.800	108.000	195.100	183.000

GR	197.100	1088.000	219.400	1145.000	225.000	1165.000	0.000	0.000	0.000	0.000
ET	169.100	0.000	4.100	622.000	905.000	0.000	0.000	0.000	0.000	0.000
X1	169.100	21.000	650.000	768.000	200.000	200.000	200.000	0.000	0.000	0.000
GR	200.000	0.000	194.000	110.000	191.000	190.000	186.200	310.000	182.500	425.000
GR	178.200	508.000	179.500	530.000	179.000	580.000	168.000	640.000	163.200	650.000
GR	160.400	713.000	161.800	768.000	164.300	790.000	162.000	805.000	163.000	810.000
GR	163.000	835.000	161.800	862.000	163.000	880.000	166.800	900.000	178.000	932.000
GR	200.000	970.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ET	169.300	0.000	4.100	340.000	655.000	0.000	0.000	0.000	0.000	0.000
X1	169.300	18.000	360.000	450.000	490.000	490.000	490.000	0.000	0.000	0.000
GR	200.400	0.000	197.500	18.000	193.000	110.000	188.000	205.000	183.200	240.000
GR	178.600	265.000	177.700	320.000	171.000	340.000	164.500	360.000	163.500	403.000
GR	165.000	450.000	168.000	500.000	167.600	530.000	170.000	600.000	169.400	648.000
GR	175.000	700.000	180.300	730.000	200.000	760.000	0.000	0.000	0.000	0.000
ET	170.000	0.000	4.100	575.000	955.000	0.000	0.000	0.000	0.000	0.000
X1	170.000	20.000	642.000	691.000	250.000	230.000	240.000	0.000	0.000	0.000
X3	10.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
GR	210.000	0.000	204.500	125.000	197.400	253.000	188.200	356.000	185.900	390.000
GR	181.300	426.000	175.400	528.000	174.800	562.000	171.700	592.000	170.000	642.000
GR	166.100	676.000	170.500	691.000	171.700	781.000	171.400	828.000	168.100	887.000
GR	169.900	936.000	177.000	993.000	183.700	1046.000	202.400	1082.000	205.000	1097.000
ET	170.100	0.000	4.100	400.000	862.000	0.000	0.000	0.000	0.000	0.000
X1	170.100	35.000	580.000	630.000	350.000	340.000	350.000	0.000	0.000	0.000
GR	200.000	0.000	197.200	55.000	194.400	110.000	194.000	150.000	191.500	198.000
GR	187.000	222.000	180.600	240.000	179.000	254.000	175.000	267.000	175.000	320.000
GR	175.000	342.000	175.000	420.000	175.000	455.000	173.400	480.000	173.400	500.000
GR	171.700	530.000	173.700	580.000	167.400	595.000	169.000	615.000	175.200	630.000
GR	169.500	653.000	168.000	728.000	172.800	768.000	172.000	800.000	177.000	844.000
GR	175.600	890.000	170.000	914.000	170.000	938.000	170.000	978.000	170.000	1038.000
GR	177.500	1050.000	182.300	1080.000	193.000	1103.000	193.400	1125.000	200.000	1142.000
ET	171.000	0.000	4.100	358.000	1120.000	0.000	0.000	0.000	0.000	0.000
X1	171.000	23.000	386.000	682.000	780.000	790.000	800.000	0.000	0.000	0.000
X3	10.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
GR	215.000	0.000	205.100	59.000	194.800	86.000	182.400	136.000	182.900	165.000
GR	178.300	212.000	177.100	288.000	179.600	369.000	179.600	386.000	170.600	402.000
GR	171.400	586.000	170.200	624.000	174.000	682.000	173.700	767.000	170.500	856.000
GR	172.200	938.000	172.600	996.000	179.200	1062.000	176.100	1111.000	177.400	1150.000
GR	181.900	1207.000	183.400	1238.000	210.000	1326.000	0.000	0.000	0.000	0.000
ET	172.000	0.000	4.100	293.000	1040.000	0.000	0.000	0.000	0.000	0.000
X1	172.000	19.000	293.000	363.000	1680.000	1690.000	1680.000	0.000	0.000	0.000
GR	225.000	0.000	190.300	80.000	189.400	212.000	186.600	293.000	177.200	306.000
GR	178.300	363.000	177.100	520.000	176.100	661.000	178.900	765.000	178.000	882.000
GR	176.000	1000.000	180.600	1101.000	189.900	1128.000	189.800	1161.000	200.400	1190.000
GR	207.100	1322.000	210.800	1491.000	213.500	1686.000	215.000	1717.000	0.000	0.000
ET	173.000	0.000	4.100	505.000	1047.000	0.000	0.000	0.000	0.000	0.000
X1	173.000	28.000	852.000	1046.000	1020.000	1000.000	1100.000	0.000	0.000	0.000
X3	10.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
GR	225.000	0.000	219.100	29.000	214.700	168.000	206.300	306.000	200.100	400.000
GR	190.300	434.000	188.800	474.000	195.200	494.000	194.500	524.000	190.600	537.000
GR	189.100	602.000	184.000	662.000	184.400	825.000	188.300	852.000	187.900	979.000
GR	183.300	1003.000	183.600	1025.000	188.500	1046.000	187.600	1104.000	186.800	1185.000
GR	192.900	1201.000	194.300	1257.000	208.200	1304.000	211.700	1445.000	217.200	1679.000
GR	222.800	1918.000	224.300	2003.000	225.000	2065.000	0.000	0.000	0.000	0.000
ET	174.000	0.000	4.100	492.000	1365.000	0.000	0.000	0.000	0.000	0.000
X1	174.000	33.000	635.000	694.000	1190.000	990.000	1100.000	0.000	0.000	0.000
GR	230.000	0.000	215.900	74.000	212.500	241.000	207.700	386.000	201.700	422.000

GR	189.100	773.000	189.900	846.000	190.500	990.000	191.300	1120.000	192.400	1220.000
GR	190.900	1317.000	191.400	1413.000	197.000	1454.000	197.200	1479.000	194.000	1489.000
GR	194.000	1504.000	201.500	1511.000	202.000	1605.000	204.100	1677.000	218.300	1721.000
GR	223.900	1876.000	228.700	2069.000	230.000	2090.000	0.000	0.000	0.000	0.000
ET	175.000	0.000	4.100	435.000	1545.000	0.000	0.000	0.000	0.000	0.000
X1	175.000	28.000	951.000	1180.000	1290.000	1280.000	1280.000	0.000	0.000	0.000
GR	250.000	0.000	245.700	54.000	230.100	123.000	216.000	170.000	213.000	209.000
GR	209.900	297.000	204.600	410.000	196.700	439.000	196.500	591.000	196.500	630.000
GR	196.500	776.000	196.600	951.000	196.600	972.000	196.600	1029.000	196.100	1047.000
GR	196.600	1165.000	197.300	1180.000	196.600	1278.000	196.100	1316.000	196.400	1439.000
GR	196.200	1543.000	209.600	1568.000	209.900	1609.000	225.800	1686.000	234.300	1879.000
GR	239.800	2046.000	243.300	2123.000	250.000	2229.000	0.000	0.000	0.000	0.000
ET	176.000	0.000	4.100	905.000	1493.000	0.000	0.000	0.000	0.000	0.000
X1	176.000	19.000	997.000	1492.000	1000.000	1150.000	1200.000	0.000	0.000	0.000
GR	250.000	0.000	239.300	91.000	220.800	241.000	217.900	358.000	213.400	497.000
GR	211.800	689.000	208.600	765.000	203.700	812.000	205.100	915.000	204.600	997.000
GR	201.000	1056.000	201.000	1470.000	209.300	1492.000	209.100	1528.000	223.700	1577.000
GR	229.000	1700.000	237.700	1898.000	245.300	2031.000	250.000	2116.000	0.000	0.000
ET	177.000	0.000	4.100	790.000	1584.000	0.000	0.000	0.000	0.000	0.000
X1	177.000	21.000	875.000	1561.000	1010.000	790.000	800.000	0.000	0.000	0.000
GR	250.000	0.000	229.100	81.000	223.200	173.000	221.200	326.000	219.300	528.000
GR	217.400	661.000	205.600	743.000	203.900	875.000	202.300	934.000	202.300	1156.000
GR	205.200	1193.000	202.300	1244.000	202.300	1515.000	204.300	1561.000	204.400	1585.000
GR	215.900	1595.000	215.500	1679.000	235.800	1735.000	239.400	1852.000	243.300	1954.000
GR	250.000	2000.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ET	178.000	0.000	4.100	550.000	1420.000	0.000	0.000	0.000	0.000	0.000
X1	178.000	24.000	1052.000	1121.000	1210.000	1180.000	1200.000	0.000	0.000	0.000
GR	250.000	0.000	238.800	120.000	228.700	285.000	222.800	391.000	217.900	538.000
GR	209.100	566.000	209.200	654.000	213.300	670.000	212.600	882.000	211.800	1000.000
GR	211.600	1052.000	208.800	1063.000	208.800	1108.000	211.400	1121.000	212.900	1330.000
GR	217.300	1444.000	214.000	1471.000	214.500	1506.000	224.400	1520.000	227.700	1607.000
GR	234.000	1676.000	241.500	1870.000	246.400	1997.000	250.000	2063.000	0.000	0.000
ET	179.000	0.000	4.100	180.000	1335.000	0.000	0.000	0.000	0.000	0.000
X1	179.000	19.000	593.000	950.000	1100.000	920.000	1000.000	0.000	0.000	0.000
GR	250.000	0.000	243.800	50.000	238.100	149.000	227.000	186.000	226.500	337.000
GR	227.000	511.000	228.000	593.000	225.700	755.000	225.900	789.000	227.400	950.000
GR	227.400	1094.000	226.000	1246.000	226.500	1330.000	231.500	1353.000	237.200	1473.000
GR	245.800	1607.000	247.300	1710.000	248.500	1840.000	250.000	1922.000	0.000	0.000
ET	180.000	0.000	4.100	440.000	1215.000	0.000	0.000	0.000	0.000	0.000
X1	180.000	17.000	922.000	1084.000	920.000	830.000	900.000	0.000	0.000	0.000
GR	260.000	0.000	253.800	85.000	231.900	138.000	235.000	193.000	237.200	290.000
GR	236.100	467.000	233.100	649.000	231.200	810.000	231.600	922.000	229.500	985.000
GR	231.200	1084.000	233.100	1264.000	233.900	1429.000	240.400	1618.000	247.700	1705.000
GR	254.000	1840.000	260.000	1959.000	0.000	0.000	0.000	0.000	0.000	0.000
ET	180.100	0.000	4.100	600.000	1215.000	0.000	0.000	0.000	0.000	0.000
X1	180.100	35.000	850.000	960.000	280.000	310.000	300.000	0.000	0.000	0.000
GR	275.300	0.000	273.000	27.000	273.000	37.000	270.200	80.000	265.300	142.000
GR	258.700	205.000	251.000	235.000	236.800	260.000	235.700	287.000	239.500	332.000
GR	240.300	429.000	238.200	500.000	235.400	615.000	235.400	625.000	235.300	700.000
GR	235.200	850.000	233.300	960.000	234.000	1038.000	235.000	1142.000	236.200	1260.000
GR	236.400	1370.000	236.700	1480.000	237.000	1592.000	238.000	1700.000	241.000	1788.000
GR	246.700	1900.000	247.700	1970.000	247.700	1990.000	250.000	2036.000	254.000	2103.000
GR	258.300	2150.000	262.200	2180.000	262.200	2190.000	270.800	2220.000	275.000	2232.000
ET	180.200	0.000	4.100	506.000	1125.000	0.000	0.000	0.000	0.000	0.000
X1	180.200	38.000	760.000	907.000	380.000	360.000	370.000	0.000	0.000	0.000
GR	277.500	0.000	273.400	52.000	269.800	92.000	269.800	107.000	266.800	120.000

GR	235.500	708.000	237.300	760.000	235.200	786.000	234.800	815.000	235.600	850.000
GR	239.000	907.000	238.700	1021.000	239.800	1132.000	240.000	1256.000	238.200	1375.000
GR	239.000	1440.000	240.300	1530.000	241.200	1650.000	244.000	1745.000	247.300	1830.000
GR	250.000	1900.000	252.000	1948.000	252.000	1963.000	255.000	2010.000	265.300	2062.000
GR	270.800	2080.000	270.800	2090.000	275.000	2110.000	0.000	0.000	0.000	0.000
ET	181.000	0.000	4.100	415.000	830.000	0.000	0.000	0.000	0.000	0.000
X1	181.000	26.000	622.000	694.000	350.000	360.000	350.000	0.000	0.000	0.000
GR	275.000	0.000	263.500	56.000	256.500	143.000	263.900	220.000	257.400	375.000
GR	236.000	416.000	238.600	521.000	236.900	622.000	234.300	649.000	237.100	694.000
GR	238.100	799.000	241.400	832.000	243.700	887.000	243.500	914.000	239.700	931.000
GR	240.800	1069.000	242.100	1235.000	243.300	1358.000	244.000	1519.000	244.000	1675.000
GR	246.600	1727.000	248.300	1842.000	252.000	1950.000	254.700	1986.000	261.700	2031.000
GR	275.000	2087.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ET	182.000	0.000	4.100	342.000	710.000	0.000	0.000	0.000	0.000	0.000
X1	182.000	23.000	479.000	687.000	650.000	720.000	660.000	0.000	0.000	0.000
GR	300.000	0.000	295.400	183.000	284.400	247.000	263.600	316.000	245.600	346.000
GR	243.100	479.000	239.900	553.000	241.000	612.000	244.800	687.000	249.000	843.000
GR	251.900	949.000	250.000	1025.000	250.000	1091.000	250.000	1208.000	250.000	1333.000
GR	250.000	1470.000	250.000	1507.000	249.500	1585.000	254.900	1623.000	260.100	1791.000
GR	262.400	1943.000	265.200	1981.000	300.000	2098.000	0.000	0.000	0.000	0.000
ET	182.100	0.000	4.100	65.000	451.000	0.000	0.000	0.000	0.000	0.000
X1	182.100	28.000	88.000	450.000	220.000	390.000	260.000	0.000	0.000	0.000
X3	10.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
GR	275.000	0.000	240.900	37.000	246.000	50.000	247.300	88.000	245.000	145.000
GR	245.700	172.000	245.000	242.000	245.400	279.000	244.200	310.000	242.500	350.000
GR	245.300	405.000	248.700	450.000	250.000	482.000	251.800	600.000	255.000	670.000
GR	256.600	743.000	255.000	818.000	253.000	896.000	250.000	954.000	250.000	970.000
GR	250.000	1462.000	250.000	1535.000	250.000	1568.000	250.600	1600.000	255.000	1643.000
GR	255.200	1660.000	260.000	1672.000	275.000	1715.000	0.000	0.000	0.000	0.000
ET	183.000	0.000	4.100	305.000	695.000	0.000	0.000	0.000	0.000	0.000
X1	183.000	20.000	332.000	439.000	270.000	480.000	220.000	0.000	0.000	0.000
X3	10.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
GR	300.000	0.000	288.700	86.000	281.400	115.000	246.600	177.000	249.000	211.000
GR	246.800	332.000	243.100	378.000	241.800	412.000	246.600	439.000	247.500	484.000
GR	245.700	527.000	246.900	604.000	243.100	652.000	243.100	670.000	249.000	695.000
GR	254.200	875.000	257.400	1070.000	258.000	1220.000	258.000	2011.000	300.000	2116.000
ET	184.000	0.000	4.100	276.000	713.000	0.000	0.000	0.000	0.000	0.000
X1	184.000	20.000	276.000	374.000	1280.000	1060.000	1280.000	0.000	0.000	0.000
GR	300.000	0.000	279.900	76.000	270.900	142.000	266.300	255.000	253.600	276.000
GR	248.800	321.000	252.200	374.000	255.200	508.000	259.500	664.000	259.000	845.000
GR	258.600	955.000	260.100	1108.000	260.500	1284.000	259.900	1453.000	258.300	1607.000
GR	260.000	1629.000	261.900	1719.000	274.900	1776.000	290.500	1810.000	300.000	1885.000
ET	184.100	0.000	4.100	300.000	760.000	0.000	0.000	0.000	0.000	0.000
X1	184.100	32.000	300.000	418.000	140.000	200.000	170.000	0.000	0.000	0.000
GR	300.000	0.000	287.000	50.000	275.000	100.000	269.800	140.000	269.600	205.000
GR	267.900	247.000	264.600	300.000	252.000	328.000	250.400	346.000	250.600	379.000
GR	255.000	418.000	256.700	500.000	260.000	583.000	261.400	667.000	261.500	765.000
GR	260.200	860.000	259.000	960.000	261.000	1050.000	262.800	1158.000	263.600	1275.000
GR	264.600	1348.000	260.800	1395.000	263.600	1440.000	264.300	1500.000	264.000	1520.000
GR	265.000	1530.000	267.300	1556.000	268.600	1640.000	270.000	1700.000	270.300	1745.000
GR	275.000	1779.000	305.000	1850.000	0.000	0.000	0.000	0.000	0.000	0.000
ET	184.200	0.000	4.100	350.000	870.000	0.000	0.000	0.000	0.000	0.000
X1	184.200	31.000	373.000	540.000	180.000	210.000	195.000	0.000	0.000	0.000
GR	300.000	0.000	289.200	65.000	278.200	124.000	273.000	180.000	269.300	220.000
GR	264.800	278.000	260.700	330.000	260.300	373.000	252.500	405.000	250.700	420.000
GR	257.600	540.000	259.000	620.000	261.100	705.000	261.600	825.000	260.000	932.000
GR	259.100	980.000	260.000	1050.000	261.600	1144.000	265.000	1216.000	266.200	1292.000

GR	300.000	1750.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ET	185.000	0.000	4.100	282.000	865.000	0.000	0.000	0.000	0.000	0.000
X1	185.000	22.000	315.000	435.000	200.000	150.000	150.000	0.000	0.000	0.000
X3	10.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
GR	300.000	0.000	273.400	69.000	273.400	79.000	269.000	98.000	265.000	156.000
GR	263.900	239.000	253.200	315.000	254.300	377.000	255.400	435.000	257.600	557.000
GR	260.900	667.000	261.700	759.000	258.500	817.000	257.600	888.000	257.600	947.000
GR	260.000	1038.000	263.400	1167.000	263.100	1221.000	259.500	1247.000	261.200	1350.000
GR	267.200	1403.000	300.000	1486.000	0.000	0.000	0.000	0.000	0.000	0.000
ET	186.000	0.000	4.100	246.000	905.000	0.000	0.000	0.000	0.000	0.000
X1	186.000	20.000	313.000	528.000	400.000	360.000	390.000	0.000	0.000	0.000
GR	300.000	0.000	282.700	61.000	270.500	99.000	267.400	171.000	264.600	192.000
GR	264.900	239.000	257.900	285.000	256.900	313.000	254.900	373.000	256.200	528.000
GR	257.500	692.000	254.900	797.000	257.900	857.000	259.900	973.000	271.500	1027.000
GR	273.600	1140.000	278.900	1217.000	288.400	1256.000	289.400	1276.000	300.000	1296.000
ET	187.000	0.000	4.100	170.000	688.000	0.000	0.000	0.000	0.000	0.000
X1	187.000	22.000	476.000	523.000	460.000	300.000	460.000	0.000	0.000	0.000
GR	325.000	0.000	285.800	74.000	259.300	155.000	256.900	183.000	259.900	252.000
GR	256.400	292.000	256.500	366.000	257.200	448.000	256.700	476.000	253.400	495.000
GR	257.800	523.000	258.300	612.000	258.400	686.000	261.900	729.000	261.800	744.000
GR	272.500	775.000	276.100	808.000	280.400	887.000	290.800	937.000	305.600	979.000
GR	305.600	997.000	325.000	1040.000	0.000	0.000	0.000	0.000	0.000	0.000
ET	188.000	0.000	4.100	150.000	520.000	0.000	0.000	0.000	0.000	0.000
X1	188.000	17.000	158.000	505.000	280.000	240.000	280.000	0.000	0.000	0.000
GR	325.000	0.000	262.200	138.000	262.200	158.000	258.800	200.000	256.800	233.000
GR	256.700	304.000	256.900	352.000	256.300	387.000	257.300	420.000	256.500	473.000
GR	261.300	505.000	262.800	546.000	279.200	621.000	293.500	683.000	317.400	747.000
GR	317.500	770.000	325.000	778.000	0.000	0.000	0.000	0.000	0.000	0.000
ET	188.100	0.000	4.100	172.000	493.000	0.000	0.000	0.000	0.000	0.000
X1	188.100	22.000	313.000	460.000	100.000	100.000	100.000	0.000	0.000	0.000
GR	325.000	0.000	308.500	62.000	287.000	110.000	276.200	130.000	269.400	145.000
GR	269.400	155.000	256.300	200.000	259.400	238.000	261.000	281.000	261.400	313.000
GR	259.000	345.000	256.300	380.000	256.300	410.000	257.000	460.000	266.500	500.000
GR	275.400	530.000	279.800	552.000	291.500	600.000	295.000	644.000	311.400	705.000
GR	320.400	740.000	325.000	760.000	0.000	0.000	0.000	0.000	0.000	0.000
ET	188.200	0.000	4.100	150.000	450.000	0.000	0.000	0.000	0.000	0.000
X1	188.200	19.000	178.000	253.000	80.000	80.000	80.000	0.000	0.000	0.000
GR	325.000	0.000	300.000	60.000	289.000	86.000	276.200	110.000	276.200	125.000
GR	256.300	178.000	260.400	210.000	261.500	253.000	260.000	290.000	258.000	340.000
GR	260.200	392.000	259.000	430.000	262.300	457.000	273.000	478.000	280.500	500.000
GR	290.700	550.000	305.000	625.000	314.600	668.000	325.000	730.000	0.000	0.000
ET	189.000	0.000	4.100	175.000	470.000	0.000	0.000	0.000	0.000	0.000
X1	189.000	14.000	283.000	437.000	100.000	100.000	100.000	0.000	0.000	0.000
GR	325.000	0.000	296.800	74.000	290.600	97.000	290.100	108.000	277.700	139.000
GR	258.500	178.000	259.700	202.000	260.200	283.000	258.200	337.000	258.200	437.000
GR	270.300	497.000	293.800	599.000	310.700	704.000	325.000	757.000	0.000	0.000
ET	190.000	0.000	4.100	185.000	395.000	0.000	0.000	0.000	0.000	0.000
X1	190.000	11.000	207.000	380.000	210.000	270.000	270.000	0.000	0.000	0.000
GR	350.000	0.000	340.000	17.000	338.400	29.000	297.100	103.000	282.500	159.000
GR	258.900	207.000	258.900	263.000	258.900	308.000	258.900	380.000	338.000	484.000
GR	350.000	546.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
X1	190.100	11.000	132.000	275.000	70.000	85.000	80.000	0.000	0.000	0.000
GR	325.000	0.000	311.800	35.000	299.200	82.000	290.000	107.000	274.000	120.000
GR	261.200	132.000	260.500	190.000	259.000	242.000	260.300	275.000	275.000	300.000
GR	300.000	350.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

GR	375.000	0.000	346.600	59.000	344.000	90.000	322.500	132.000	259.000	190.000
GR	259.000	284.000	332.900	380.000	375.000	452.000	0.000	0.000	0.000	0.000
X1	192.000	10.000	217.000	360.000	160.000	160.000	160.000	0.000	0.000	0.000
GR	400.000	0.000	382.900	55.000	365.000	121.000	339.500	176.000	297.900	217.000
GR	259.100	273.000	259.100	302.000	322.000	360.000	376.900	437.000	400.000	485.000
X1	193.000	14.000	716.000	974.000	210.000	190.000	210.000	0.000	0.000	0.000
GR	400.000	0.000	379.900	207.000	373.700	369.000	373.700	457.000	357.300	527.000
GR	351.900	608.000	325.200	656.000	314.700	716.000	292.600	771.000	275.100	838.000
GR	273.300	905.000	299.400	974.000	365.600	1096.000	400.000	1151.000	0.000	0.000
X1	194.000	6.000	161.000	485.000	180.000	170.000	170.000	0.000	0.000	0.000
GR	400.000	0.000	382.200	67.000	354.600	161.000	281.000	280.000	279.000	346.000
GR	400.000	485.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
X1	194.200	10.000	163.000	311.000	250.000	250.000	250.000	0.000	0.000	0.000
GR	400.000	0.000	372.000	52.000	344.000	110.000	325.000	130.000	291.600	150.000
GR	284.800	163.000	280.300	212.000	281.000	233.000	338.800	311.000	400.000	365.000
X1	195.000	6.000	299.000	559.000	190.000	190.000	190.000	0.000	0.000	0.000
GR	475.000	0.000	466.500	70.000	289.600	299.000	281.300	341.000	281.300	365.000
GR	475.000	559.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
X1	196.000	7.000	251.000	355.000	120.000	140.000	160.000	0.000	0.000	0.000
GR	475.000	0.000	469.300	57.000	326.100	233.000	321.200	251.000	282.300	322.000
GR	290.700	355.000	475.000	589.000	0.000	0.000	0.000	0.000	0.000	0.000
X1	197.000	10.000	169.000	271.000	200.000	200.000	210.000	0.000	0.000	0.000
GR	475.000	0.000	469.400	42.000	397.900	117.000	372.300	139.000	308.000	169.000
GR	293.600	234.000	303.500	271.000	364.800	353.000	438.800	436.000	475.000	491.000
X1	198.000	11.000	215.000	331.000	200.000	160.000	180.000	0.000	0.000	0.000
GR	475.000	0.000	462.300	45.000	375.200	126.000	325.500	184.000	307.900	215.000
GR	301.700	267.000	300.700	283.000	317.100	331.000	385.600	380.000	429.700	419.000
GR	475.000	492.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
X1	199.000	15.000	356.000	476.000	580.000	570.000	580.000	0.000	0.000	0.000
GR	475.000	0.000	458.000	63.000	410.800	169.000	375.700	240.000	351.800	303.000
GR	326.500	356.000	318.500	384.000	311.400	405.000	311.600	421.000	327.200	450.000
GR	354.600	476.000	376.100	511.000	420.300	571.000	455.200	619.000	475.000	650.000
X1	200.000	18.000	252.000	446.000	420.000	480.000	480.000	0.000	0.000	0.000
GR	475.000	0.000	441.000	72.000	405.300	142.000	396.500	171.000	343.900	252.000
GR	329.400	293.000	330.300	321.000	326.800	360.000	334.100	401.000	344.000	446.000
GR	351.000	471.000	358.800	496.000	345.700	537.000	372.400	601.000	404.900	670.000
GR	429.700	736.000	439.000	811.000	475.000	894.000	0.000	0.000	0.000	0.000
X1	201.000	17.000	205.000	421.000	400.000	300.000	360.000	0.000	0.000	0.000
GR	475.000	0.000	409.500	120.000	372.000	205.000	341.600	260.000	330.000	289.000
GR	334.900	347.000	348.400	421.000	356.700	451.000	357.600	489.000	354.600	539.000
GR	349.100	576.000	362.600	626.000	372.200	702.000	404.800	787.000	437.700	864.000
GR	466.300	953.000	475.000	986.000	0.000	0.000	0.000	0.000	0.000	0.000
X1	202.000	15.000	174.000	400.000	500.000	450.000	480.000	0.000	0.000	0.000
GR	475.000	0.000	446.500	49.000	399.900	122.000	350.600	166.000	349.500	174.000
GR	331.000	216.000	338.800	269.000	343.700	307.000	353.200	371.000	349.900	400.000
GR	363.800	444.000	398.200	531.000	425.300	601.000	465.100	718.000	475.000	745.000
X1	203.000	13.000	333.000	433.000	360.000	250.000	290.000	0.000	0.000	0.000
GR	477.300	0.000	477.300	43.000	471.900	79.000	441.200	156.000	384.500	276.000
GR	340.600	333.000	333.100	366.000	339.600	433.000	344.600	533.000	392.100	605.000
GR	417.200	653.000	448.900	711.000	475.000	787.000	0.000	0.000	0.000	0.000

GR	356.300	439.000	349.600	459.000	346.200	514.000	337.400	547.000	334.200	569.000
GR	397.400	630.000	424.100	673.000	471.000	728.000	500.000	772.000	0.000	0.000
X1	204.100	10.000	153.000	243.000	110.000	115.000	120.000	0.000	0.000	0.000
GR	400.000	0.000	379.500	27.000	361.500	60.000	344.500	115.000	344.000	153.000
GR	340.000	177.000	338.000	218.000	363.000	243.000	364.500	258.000	400.000	270.000
X1	205.000	13.000	289.000	440.000	290.000	270.000	280.000	0.000	0.000	0.000
GR	525.000	0.000	488.600	71.000	440.600	162.000	383.600	289.000	344.500	366.000
GR	344.500	406.000	352.100	440.000	347.500	474.000	361.300	513.000	372.500	566.000
GR	434.000	655.000	494.600	729.000	525.000	788.000	0.000	0.000	0.000	0.000
X1	206.000	13.000	324.000	397.000	240.000	260.000	250.000	0.000	0.000	0.000
GR	525.000	0.000	487.400	83.000	440.100	185.000	388.300	262.000	350.100	324.000
GR	344.600	350.000	355.500	397.000	365.400	481.000	357.200	516.000	393.700	586.000
GR	445.900	667.000	496.900	753.000	525.000	800.000	0.000	0.000	0.000	0.000
X1	207.000	15.000	373.000	446.000	350.000	370.000	370.000	0.000	0.000	0.000
GR	550.000	0.000	539.200	55.000	487.800	178.000	449.900	246.000	389.100	300.000
GR	376.200	343.000	372.500	373.000	358.800	409.000	365.100	446.000	365.700	486.000
GR	363.200	525.000	363.700	562.000	429.200	642.000	507.900	742.000	550.000	810.000
X1	207.100	10.000	160.000	268.000	180.000	180.000	180.000	0.000	0.000	0.000
GR	400.500	0.000	383.800	30.000	382.000	45.000	376.400	75.000	371.200	125.000
GR	365.800	160.000	359.500	200.000	359.500	244.000	373.800	268.000	401.600	300.000
X1	207.200	11.000	87.000	193.000	250.000	250.000	250.000	0.000	0.000	0.000
GR	400.500	0.000	378.200	38.000	376.500	55.000	367.600	87.000	361.000	145.000
GR	364.500	170.000	368.200	193.000	366.200	228.000	363.800	255.000	381.400	275.000
GR	400.000	310.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
X1	208.000	8.000	303.000	477.000	590.000	590.000	650.000	0.000	0.000	0.000
GR	500.000	0.000	406.500	156.000	376.900	227.000	364.400	303.000	360.500	368.000
GR	362.800	477.000	361.800	500.000	575.000	774.000	0.000	0.000	0.000	0.000
EJ	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

SUMMARY PRINTOUT FOR MULTIPLE PROFILES

SAN DIEGO COUNTY FLOOD C

SECTION NUMBER	CHANNEL LENGTH	MIN EL OF ROADWAY	MAX EL OF LOW CHORD	MIN EL GROUND	DISCHARGE (CFS)	CWSEL	TQ	EG	TOPWID	STENCL	STENCR	WSELK
102.20	0.00	0.00	0.00	3.60	22000.00	11.00	6465.55	11.14	2902.25	0.00	0.00	11.00
102.20	0.00	0.00	0.00	3.60	22000.00	11.00	4135.99	11.40	1830.34	1476.00	4009.00	11.00
102.20	0.00	0.00	0.00	3.60	1200.00	6.60	281.87	6.69	350.35	0.00	0.00	6.60
102.20	0.00	0.00	0.00	3.60	50000.00	12.60	13132.88	12.84	3560.70	0.00	0.00	12.60
102.20	0.00	0.00	0.00	3.60	12000.00	10.10	3869.94	10.20	2650.13	0.00	0.00	10.10
102.30	200.00	0.00	0.00	3.40	22000.00	11.82	5980.74	12.01	2803.40	0.00	0.00	0.00
102.30	200.00	0.00	0.00	3.40	22000.00	12.56	4783.23	12.93	1858.15	1125.00	3088.00	0.00
102.30	200.00	0.00	0.00	3.40	1200.00	7.17	309.05	7.29	233.04	0.00	0.00	0.00
102.30	200.00	0.00	0.00	3.40	50000.00	13.63	12933.87	13.92	3046.17	0.00	0.00	0.00
102.30	200.00	0.00	0.00	3.40	12000.00	10.76	3387.05	10.92	2140.44	0.00	0.00	0.00
102.40	860.00	0.00	0.00	4.20	22000.00	12.82	9678.83	12.89	3395.99	0.00	0.00	0.00
102.40	860.00	0.00	0.00	4.20	22000.00	13.78	10399.07	13.88	1819.75	1765.00	3615.00	0.00
102.40	860.00	0.00	0.00	4.20	1200.00	7.81	738.98	7.83	556.31	0.00	0.00	0.00
102.40	860.00	0.00	0.00	4.20	50000.00	14.82	20168.00	14.95	3532.32	0.00	0.00	0.00
102.40	860.00	0.00	0.00	4.20	12000.00	11.67	5513.03	11.72	3263.58	0.00	0.00	0.00
103.00	330.00	0.00	0.00	4.10	22000.00	12.97	8918.75	13.06	3547.55	0.00	0.00	0.00
103.00	330.00	0.00	0.00	4.10	22000.00	13.91	10971.54	14.00	2109.89	2330.00	4497.00	0.00
103.00	330.00	0.00	0.00	4.10	1200.00	7.92	480.63	7.95	678.28	0.00	0.00	0.00
103.00	330.00	0.00	0.00	4.10	50000.00	15.00	19086.69	15.14	3984.45	0.00	0.00	0.00
103.00	330.00	0.00	0.00	4.10	12000.00	11.80	5303.79	11.87	2489.26	0.00	0.00	0.00
104.00	1100.00	0.00	0.00	5.20	22000.00	14.07	2991.45	14.48	3283.80	0.00	0.00	0.00
104.00	1100.00	0.00	0.00	5.20	22000.00	14.61	3055.58	15.16	1803.59	3575.00	5875.00	0.00
104.00	1100.00	0.00	0.00	5.20	1200.00	11.51	175.60	11.85	733.73	0.00	0.00	0.00
104.00	1100.00	0.00	0.00	5.20	50000.00	15.91	10450.61	16.17	5244.17	0.00	0.00	0.00
104.00	1100.00	0.00	0.00	5.20	12000.00	13.03	1186.69	13.64	1875.05	0.00	0.00	0.00
104.10	1230.00	0.00	0.00	6.20	22000.00	16.02	9035.20	16.12	3166.08	0.00	0.00	0.00
104.10	1230.00	0.00	0.00	6.20	22000.00	16.72	8749.86	16.87	1762.00	1080.00	2842.00	0.00
104.10	1230.00	0.00	0.00	6.20	1200.00	12.32	1223.23	12.33	765.36	0.00	0.00	0.00
104.10	1230.00	0.00	0.00	6.20	50000.00	17.58	16420.62	17.78	3190.87	0.00	0.00	0.00
104.10	1230.00	0.00	0.00	6.20	12000.00	15.12	5812.89	15.18	3137.88	0.00	0.00	0.00
105.00	320.00	0.00	0.00	11.10	22000.00	17.14	1790.48	19.20	477.60	0.00	0.00	0.00
105.00	320.00	0.00	0.00	11.10	22000.00	17.17	1807.33	19.20	479.77	6384.00	7026.00	0.00
105.00	320.00	0.00	0.00	11.10	1200.00	12.55	75.90	13.00	255.30	0.00	0.00	0.00
105.00	320.00	0.00	0.00	11.10	50000.00	20.01	4304.13	22.93	641.00	0.00	0.00	0.00
105.00	320.00	0.00	0.00	11.10	12000.00	15.46	943.82	17.02	388.39	0.00	0.00	0.00
107.00	230.00	20.00	24.00	12.10	22000.00	18.43	4299.51	19.20	722.00	1388.00	2110.00	1.00
107.00	230.00	20.00	24.00	12.10	22000.00	18.43	4299.56	19.20	722.00	1388.00	2110.00	1.00
107.00	230.00	20.00	24.00	12.10	1200.00	13.14	64.09	13.45	535.34	1388.00	2110.00	1.00
107.00	230.00	20.00	24.00	12.10	50000.00	25.14	9608.62	25.39	4066.77	1388.00	2110.00	1.00
107.00	230.00	20.00	24.00	12.10	12000.00	16.28	1929.56	17.02	682.15	1388.00	2110.00	1.00

SECTION NUMBER	CHANNEL LENGTH	MIN EL OF ROADWAY	MAX EL OF LOW CHORD	MIN EL GROUND	DISCHARGE (CFS)	CWSEL	TQ	EG	TOPWID	STENCL	STENCR	WSELK
108.00	830.00	0.00	0.00	13.00	22000.00	21.78	2704.38	22.72	641.38	2650.00	3310.00	0.00
108.00	830.00	0.00	0.00	13.00	22000.00	21.78	2704.10	22.72	641.38	2650.00	3310.00	0.00
108.00	830.00	0.00	0.00	13.00	1200.00	16.44	336.93	16.51	219.89	2650.00	3310.00	0.00
108.00	830.00	0.00	0.00	13.00	50000.00	27.09	9537.02	28.07	660.00	2650.00	3310.00	0.00
108.00	830.00	0.00	0.00	13.00	12000.00	20.35	1615.71	20.92	566.98	2650.00	3310.00	0.00
109.00	250.00	0.00	0.00	17.60	22000.00	23.55	1681.96	26.02	360.00	2735.00	3095.00	0.00
109.00	250.00	0.00	0.00	17.60	22000.00	23.55	1681.96	26.02	360.00	2735.00	3095.00	0.00
109.00	250.00	0.00	0.00	17.60	1200.00	19.10	68.55	19.55	267.42	2735.00	3095.00	0.00
109.00	250.00	0.00	0.00	17.60	50000.00	27.10	4088.09	31.35	360.00	2735.00	3095.00	0.00
109.00	250.00	0.00	0.00	17.60	12000.00	22.08	939.69	23.60	360.00	2735.00	3095.00	0.00
110.00	40.00	0.00	0.00	15.80	22000.00	25.83	3712.33	26.86	320.00	0.00	0.00	0.00
110.00	40.00	0.00	0.00	15.80	22000.00	25.84	3675.54	26.86	320.00	2700.00	3025.00	0.00
110.00	40.00	0.00	0.00	15.80	1200.00	19.76	464.18	19.80	308.53	0.00	0.00	0.00
110.00	40.00	0.00	0.00	15.80	50000.00	30.07	7294.86	32.42	320.00	0.00	0.00	0.00
110.00	40.00	0.00	0.00	15.80	12000.00	23.66	2261.01	24.21	320.00	0.00	0.00	0.00
112.00	110.00	36.00	33.50	17.10	22000.00	26.71	3045.76	28.06	304.00	0.00	0.00	0.00
112.00	110.00	36.00	33.50	17.10	22000.00	26.71	2989.15	28.06	304.00	2736.00	3050.00	0.00
112.00	110.00	36.00	33.50	17.10	1200.00	19.77	141.60	19.98	221.18	0.00	0.00	0.00
112.00	110.00	36.00	33.50	17.10	50000.00	33.52	8666.47	35.50	304.00	0.00	0.00	0.00
112.00	110.00	36.00	33.50	17.10	12000.00	24.11	1543.73	25.02	304.00	0.00	0.00	0.00
113.00	100.00	0.00	0.00	17.30	22000.00	28.60	31658.61	28.61	3155.30	0.00	0.00	0.00
113.00	100.00	0.00	0.00	17.30	22000.00	28.19	5698.63	28.67	440.00	1990.00	2430.00	0.00
113.00	100.00	0.00	0.00	17.30	1200.00	20.37	166.60	20.59	157.66	0.00	0.00	0.00
113.00	100.00	0.00	0.00	17.30	50000.00	36.28	99048.70	36.29	3410.63	0.00	0.00	0.00
113.00	100.00	0.00	0.00	17.30	12000.00	25.38	14029.82	25.40	2953.59	0.00	0.00	0.00
113.10	280.00	0.00	0.00	17.80	22000.00	28.61	20309.72	28.64	2880.19	0.00	0.00	0.00
113.10	280.00	0.00	0.00	17.80	22000.00	28.73	5402.45	29.12	740.00	710.00	1450.00	0.00
113.10	280.00	0.00	0.00	17.80	1200.00	21.68	180.09	21.97	132.06	0.00	0.00	0.00
113.10	280.00	0.00	0.00	17.80	50000.00	36.28	76431.91	36.30	3190.00	0.00	0.00	0.00
113.10	280.00	0.00	0.00	17.80	12000.00	25.41	7672.79	25.44	2264.00	0.00	0.00	0.00
114.00	400.00	0.00	0.00	18.40	22000.00	28.66	14558.22	28.70	2747.31	0.00	0.00	0.00
114.00	400.00	0.00	0.00	18.40	22000.00	29.35	9496.32	29.49	1020.00	970.00	1990.00	0.00
114.00	400.00	0.00	0.00	18.40	1200.00	22.26	723.02	22.28	762.74	0.00	0.00	0.00
114.00	400.00	0.00	0.00	18.40	50000.00	36.30	66009.18	36.33	3457.04	0.00	0.00	0.00
114.00	400.00	0.00	0.00	18.40	12000.00	25.54	4778.33	25.60	2081.38	0.00	0.00	0.00
115.00	330.00	0.00	0.00	18.90	22000.00	28.74	10220.94	28.82	2288.77	0.00	0.00	0.00
115.00	330.00	0.00	0.00	18.90	22000.00	29.54	9730.85	29.66	1225.00	545.00	1770.00	0.00
115.00	330.00	0.00	0.00	18.90	1200.00	22.36	687.46	22.38	362.70	0.00	0.00	0.00
115.00	330.00	0.00	0.00	18.90	50000.00	36.31	53570.14	36.35	3385.99	0.00	0.00	0.00
115.00	330.00	0.00	0.00	18.90	12000.00	25.76	3264.82	25.92	1776.36	0.00	0.00	0.00

SECTION NUMBER	CHANNEL LENGTH	MIN EL OF ROADWAY	MAX EL OF LOW CHORD	MIN EL GROUND	DISCHARGE (CFS)	C#SEL	TQ	EG	TOPWID	STENCL	STENCR	WSELK
100 116.00	400.00	0.00	0.00	19.50	22000.00	30.62	6689.03	30.75	2442.27	0.00	0.00	0.00
FW 116.00	400.00	0.00	0.00	19.50	22000.00	30.75	4580.88	31.07	1243.27	575.00	1845.00	0.00
10 116.00	400.00	0.00	0.00	19.50	1200.00	25.67	80.37	27.26	38.47	0.00	0.00	0.00
500 116.00	400.00	0.00	0.00	19.50	50000.00	36.35	34545.42	36.41	3492.93	0.00	0.00	0.00
50 116.00	400.00	0.00	0.00	19.50	12000.00	30.69	6880.03	30.73	2472.47	0.00	0.00	0.00
117.00	320.00	0.00	0.00	20.00	22000.00	31.07	3993.00	31.38	2105.69	0.00	0.00	0.00
117.00	320.00	0.00	0.00	20.00	22000.00	31.60	3211.22	32.24	1073.59	720.00	2055.00	0.00
117.00	320.00	0.00	0.00	20.00	1200.00	28.02	429.96	28.12	824.08	0.00	0.00	0.00
117.00	320.00	0.00	0.00	20.00	50000.00	36.41	25124.07	36.51	3321.98	0.00	0.00	0.00
117.00	320.00	0.00	0.00	20.00	12000.00	30.82	3469.30	30.93	2084.56	0.00	0.00	0.00
118.00	340.00	0.00	0.00	21.70	22000.00	32.15	5016.89	32.38	1707.71	0.00	0.00	0.00
118.00	340.00	0.00	0.00	21.70	22000.00	33.14	5875.53	33.35	1374.49	435.00	1875.00	0.00
118.00	340.00	0.00	0.00	21.70	1200.00	28.34	435.78	28.40	541.17	0.00	0.00	0.00
118.00	340.00	0.00	0.00	21.70	50000.00	36.58	19390.78	36.76	2647.16	0.00	0.00	0.00
118.00	340.00	0.00	0.00	21.70	12000.00	31.31	3374.78	31.43	1671.04	0.00	0.00	0.00
119.00	1110.00	0.00	0.00	24.60	22000.00	34.22	4604.60	34.58	1073.24	0.00	0.00	0.00
119.00	1110.00	0.00	0.00	24.60	22000.00	35.06	3718.43	35.83	450.51	1155.00	1625.00	0.00
119.00	1110.00	0.00	0.00	24.60	1200.00	29.45	324.60	29.49	530.36	0.00	0.00	0.00
119.00	1110.00	0.00	0.00	24.60	50000.00	37.47	10873.58	38.05	1146.14	0.00	0.00	0.00
119.00	1110.00	0.00	0.00	24.60	12000.00	32.84	2745.41	33.06	990.12	0.00	0.00	0.00
121.00	95.00	39.50	39.00	24.90	22000.00	34.36	1925.64	36.13	428.93	0.00	0.00	0.00
121.00	95.00	39.50	39.00	24.90	22000.00	35.51	2716.67	36.66	431.95	1234.00	1673.00	0.00
121.00	95.00	39.50	39.00	24.90	1200.00	29.46	85.01	29.91	177.45	0.00	0.00	0.00
121.00	95.00	39.50	39.00	24.90	50000.00	42.05	25548.91	42.19	2734.98	0.00	0.00	0.00
121.00	95.00	39.50	39.00	24.90	12000.00	32.91	1071.03	33.99	425.12	0.00	0.00	0.00
122.00	650.00	0.00	0.00	25.60	22000.00	37.50	10000.21	37.64	1485.09	0.00	0.00	0.00
122.00	650.00	0.00	0.00	25.60	22000.00	37.67	9825.45	37.82	997.45	440.00	1500.00	0.00
122.00	650.00	0.00	0.00	25.60	1200.00	33.28	244.76	33.46	111.71	0.00	0.00	0.00
122.00	650.00	0.00	0.00	25.60	50000.00	42.28	25189.24	42.44	1848.82	0.00	0.00	0.00
122.00	650.00	0.00	0.00	25.60	12000.00	35.17	5057.98	35.29	711.99	0.00	0.00	0.00
123.00	850.00	0.00	0.00	25.90	22000.00	37.86	13885.98	37.93	1392.22	0.00	0.00	0.00
123.00	850.00	0.00	0.00	25.90	22000.00	38.06	13086.17	38.14	1110.00	275.00	1385.00	0.00
123.00	850.00	0.00	0.00	25.90	1200.00	33.54	2597.04	33.54	673.46	0.00	0.00	0.00
123.00	850.00	0.00	0.00	25.90	50000.00	42.59	30470.23	42.72	1573.97	0.00	0.00	0.00
123.00	850.00	0.00	0.00	25.90	12000.00	35.55	8009.98	35.59	1325.87	0.00	0.00	0.00
124.00	900.00	0.00	0.00	27.00	22000.00	38.05	17220.17	38.10	1295.24	0.00	0.00	0.00
124.00	900.00	0.00	0.00	27.00	22000.00	38.29	13369.53	38.39	935.00	80.00	1015.00	0.00
124.00	900.00	0.00	0.00	27.00	1200.00	33.55	5968.91	33.55	1232.95	0.00	0.00	0.00
124.00	900.00	0.00	0.00	27.00	50000.00	42.80	34288.14	42.92	1321.29	0.00	0.00	0.00
124.00	900.00	0.00	0.00	27.00	12000.00	35.70	10692.55	35.73	1289.71	0.00	0.00	0.00

SECTION NUMBER	CHANNEL LENGTH	MIN EL OF ROADWAY	MAX EL OF LOW CHORD	MIN EL GROUND	DISCHARGE (CFS)	C#SEL	TQ	EG	TOPWID	STENCL	STENCR	WSELK
125.00	550.00	0.00	0.00	27.00	22000.00	38.13	18033.97	38.18	1405.73	0.00	0.00	0.00
125.00	550.00	0.00	0.00	27.00	22000.00	38.43	11952.64	38.54	917.00	105.00	1022.00	0.00
125.00	550.00	0.00	0.00	27.00	1200.00	33.55	5911.79	33.55	1344.21	0.00	0.00	0.00
125.00	550.00	0.00	0.00	27.00	50000.00	42.92	36509.43	43.02	1450.62	0.00	0.00	0.00
125.00	550.00	0.00	0.00	27.00	12000.00	35.77	10980.67	35.79	1389.34	0.00	0.00	0.00
125.10	260.00	0.00	0.00	27.00	22000.00	38.16	15151.65	38.23	1214.80	0.00	0.00	0.00
125.10	260.00	0.00	0.00	27.00	22000.00	38.50	9853.48	38.68	670.00	265.00	935.00	0.00
125.10	260.00	0.00	0.00	27.00	1200.00	33.55	4727.27	33.55	837.15	0.00	0.00	0.00
125.10	260.00	0.00	0.00	27.00	50000.00	42.95	30536.97	43.10	1250.55	0.00	0.00	0.00
125.10	260.00	0.00	0.00	27.00	12000.00	35.79	8296.71	35.84	917.10	0.00	0.00	0.00
126.00	310.00	0.00	0.00	32.30	22000.00	40.66	1604.50	42.99	403.00	0.00	0.00	0.00
126.00	310.00	0.00	0.00	32.30	22000.00	40.66	1601.18	42.99	403.00	539.00	943.00	0.00
126.00	310.00	0.00	0.00	32.30	1200.00	34.81	73.79	35.57	115.76	0.00	0.00	0.00
126.00	310.00	0.00	0.00	32.30	50000.00	43.95	4027.16	47.93	403.00	0.00	0.00	0.00
126.00	310.00	0.00	0.00	32.30	12000.00	38.93	836.37	40.64	346.29	0.00	0.00	0.00
128.00	84.00	55.00	53.90	32.70	22000.00	42.11	2973.22	43.15	436.28	0.00	0.00	0.00
128.00	84.00	55.00	53.90	32.70	22000.00	42.11	2973.36	43.15	436.28	1102.00	1541.00	0.00
128.00	84.00	55.00	53.90	32.70	1200.00	35.50	121.48	35.76	210.08	0.00	0.00	0.00
128.00	84.00	55.00	53.90	32.70	50000.00	46.85	7686.05	48.56	438.00	0.00	0.00	0.00
128.00	84.00	55.00	53.90	32.70	12000.00	39.95	1482.00	40.68	426.79	0.00	0.00	0.00
128.10	100.00	0.00	0.00	32.70	22000.00	43.17	6374.65	43.44	1050.78	0.00	0.00	0.00
128.10	100.00	0.00	0.00	32.70	22000.00	42.82	3899.18	43.58	476.00	505.00	981.00	0.00
128.10	100.00	0.00	0.00	32.70	1200.00	35.05	276.62	36.14	304.05	0.00	0.00	0.00
128.10	100.00	0.00	0.00	32.70	50000.00	48.55	19122.61	48.84	1249.80	0.00	0.00	0.00
128.10	100.00	0.00	0.00	32.70	12000.00	40.77	3065.99	40.99	768.67	0.00	0.00	0.00
129.00	380.00	0.00	0.00	33.40	22000.00	43.52	8305.99	43.71	1072.12	0.00	0.00	0.00
129.00	380.00	0.00	0.00	33.40	22000.00	43.85	5558.76	44.29	540.00	500.00	1040.00	0.00
129.00	380.00	0.00	0.00	33.40	1200.00	37.06	152.12	37.39	116.80	0.00	0.00	0.00
129.00	380.00	0.00	0.00	33.40	50000.00	48.77	21438.60	49.03	1261.26	0.00	0.00	0.00
129.00	380.00	0.00	0.00	33.40	12000.00	41.15	4549.88	41.29	927.69	0.00	0.00	0.00
130.00	830.00	0.00	0.00	33.60	22000.00	44.02	4156.47	44.91	855.85	0.00	0.00	0.00
130.00	830.00	0.00	0.00	33.60	22000.00	45.01	4889.39	45.80	503.22	380.00	920.00	0.00
130.00	830.00	0.00	0.00	33.60	1200.00	38.16	625.91	38.21	205.66	0.00	0.00	0.00
130.00	830.00	0.00	0.00	33.60	50000.00	49.17	14071.98	49.78	1141.43	0.00	0.00	0.00
130.00	830.00	0.00	0.00	33.60	12000.00	41.72	2134.36	42.49	437.98	0.00	0.00	0.00
131.00	1050.00	0.00	0.00	34.20	22000.00	46.25	6946.31	46.51	986.26	0.00	0.00	0.00
131.00	1050.00	0.00	0.00	34.20	22000.00	46.85	7131.87	47.16	675.00	515.00	1190.00	0.00
131.00	1050.00	0.00	0.00	34.20	1200.00	38.83	269.38	38.96	201.36	0.00	0.00	0.00
131.00	1050.00	0.00	0.00	34.20	50000.00	50.41	16724.67	50.81	1105.69	0.00	0.00	0.00
131.00	1050.00	0.00	0.00	34.20	12000.00	44.10	3562.41	44.30	909.01	0.00	0.00	0.00

SECTION NUMBER	CHANNEL LENGTH	MIN EL OF ROADWAY	MAX EL OF LOW CHORD	MIN EL GROUND	DISCHARGE (CFS)	CWSEL	TQ	EG	TOPWID	STENCL	STENCR	WSELK
100	132.00	510.00	0.00	0.00	38.80	22000.00	46.79	3091.66	47.57	850.49	0.00	0.00	0.00
FW	132.00	510.00	0.00	0.00	38.80	22000.00	46.75	2014.11	48.77	455.00	550.00	1005.00	0.00
10	132.00	510.00	0.00	0.00	38.80	1200.00	41.52	88.01	42.07	205.26	0.00	0.00	0.00
500	132.00	510.00	0.00	0.00	38.80	50000.00	50.78	9881.19	51.60	1049.70	0.00	0.00	0.00
50	132.00	510.00	0.00	0.00	38.80	12000.00	44.86	1289.23	45.62	616.73	0.00	0.00	0.00
	133.00	700.00	0.00	0.00	42.70	22000.00	52.73	2172.35	54.83	473.43	0.00	0.00	0.00
	133.00	700.00	0.00	0.00	42.70	22000.00	53.42	2643.12	55.06	455.00	150.00	605.00	0.00
	133.00	700.00	0.00	0.00	42.70	1200.00	47.71	172.00	48.05	181.56	0.00	0.00	0.00
	133.00	700.00	0.00	0.00	42.70	50000.00	55.64	4826.49	59.09	519.33	0.00	0.00	0.00
	133.00	700.00	0.00	0.00	42.70	12000.00	51.22	1243.54	52.71	427.17	0.00	0.00	0.00
	133.10	200.00	0.00	0.00	42.70	22000.00	55.09	4660.90	55.82	519.56	0.00	0.00	0.00
	133.10	200.00	0.00	0.00	42.70	22000.00	55.13	4543.38	55.91	462.00	30.00	492.00	0.00
	133.10	200.00	0.00	0.00	42.70	1200.00	48.62	96.92	49.95	43.79	0.00	0.00	0.00
	133.10	200.00	0.00	0.00	42.70	50000.00	58.94	9684.35	60.28	736.14	0.00	0.00	0.00
	133.10	200.00	0.00	0.00	42.70	12000.00	53.07	2811.74	53.53	465.44	0.00	0.00	0.00
	133.20	280.00	0.00	0.00	42.70	22000.00	55.75	5370.43	56.37	510.93	0.00	0.00	0.00
	133.20	280.00	0.00	0.00	42.70	22000.00	55.82	5270.40	56.48	447.00	46.00	493.00	0.00
	133.20	280.00	0.00	0.00	42.70	1200.00	50.19	998.02	50.22	328.13	0.00	0.00	0.00
	133.20	280.00	0.00	0.00	42.70	50000.00	59.75	10901.14	60.95	677.92	0.00	0.00	0.00
	133.20	280.00	0.00	0.00	42.70	12000.00	53.60	3194.14	53.98	489.06	0.00	0.00	0.00
	134.00	240.00	0.00	0.00	42.80	22000.00	56.02	3043.60	57.21	480.73	0.00	0.00	0.00
	134.00	240.00	0.00	0.00	42.80	22000.00	56.08	2986.58	57.37	409.50	44.00	490.00	0.00
	134.00	240.00	0.00	0.00	42.80	1200.00	50.19	263.53	50.34	196.38	0.00	0.00	0.00
	134.00	240.00	0.00	0.00	42.80	50000.00	60.09	7611.92	61.83	824.01	0.00	0.00	0.00
	134.00	240.00	0.00	0.00	42.80	12000.00	53.83	1497.79	54.80	424.59	0.00	0.00	0.00
	134.10	210.00	0.00	0.00	47.20	22000.00	56.89	2273.32	58.95	429.72	0.00	0.00	0.00
	134.10	210.00	0.00	0.00	47.20	22000.00	57.09	2412.99	58.98	414.50	30.00	445.00	0.00
	134.10	210.00	0.00	0.00	47.20	1200.00	51.57	117.15	52.21	176.55	0.00	0.00	0.00
	134.10	210.00	0.00	0.00	47.20	50000.00	60.65	6045.39	63.22	679.83	0.00	0.00	0.00
	134.10	210.00	0.00	0.00	47.20	12000.00	55.18	1228.59	56.60	371.12	0.00	0.00	0.00
	135.00	170.00	0.00	0.00	47.70	22000.00	58.98	3404.65	60.07	517.88	0.00	0.00	0.00
	135.00	170.00	0.00	0.00	47.70	22000.00	58.40	2519.97	60.38	382.00	113.00	495.00	0.00
	135.00	170.00	0.00	0.00	47.70	1200.00	52.67	277.14	52.89	97.55	0.00	0.00	0.00
	135.00	170.00	0.00	0.00	47.70	50000.00	62.56	7888.13	64.20	685.98	0.00	0.00	0.00
	135.00	170.00	0.00	0.00	47.70	12000.00	56.90	1765.02	57.76	464.34	0.00	0.00	0.00
	136.00	520.00	0.00	0.00	49.60	22000.00	61.64	2569.65	62.92	627.89	0.00	0.00	0.00
	136.00	520.00	0.00	0.00	49.60	22000.00	62.57	2874.11	63.87	442.00	213.00	655.00	0.00
	136.00	520.00	0.00	0.00	49.60	1200.00	55.66	105.99	56.68	86.80	0.00	0.00	0.00
	136.00	520.00	0.00	0.00	49.60	50000.00	64.93	6660.27	66.65	764.42	0.00	0.00	0.00
	136.00	520.00	0.00	0.00	49.60	12000.00	59.99	1269.90	61.04	546.89	0.00	0.00	0.00

SECTION NUMBER	CHANNEL LENGTH	MIN EL OF ROADWAY	MAX EL OF LOW CHORD	MIN EL GROUND	DISCHARGE (CFS)	CWSEL	TQ	EG	TOPWID	STENCL	STENCR	WSELK
137.00	440.00	0.00	0.00	57.80	22000.00	66.00	2128.35	67.83	542.07	0.00	0.00	0.00
137.00	440.00	0.00	0.00	57.80	22000.00	66.60	2146.80	68.74	430.00	300.00	730.00	0.00
137.00	440.00	0.00	0.00	57.80	1200.00	60.76	127.19	61.34	84.26	0.00	0.00	0.00
137.00	440.00	0.00	0.00	57.80	50000.00	68.70	4848.67	71.78	575.97	0.00	0.00	0.00
137.00	440.00	0.00	0.00	57.80	12000.00	65.18	1508.11	66.07	531.73	0.00	0.00	0.00
138.00	860.00	0.00	0.00	62.40	22000.00	74.36	2470.34	75.71	628.35	0.00	0.00	0.00
138.00	860.00	0.00	0.00	62.40	22000.00	75.16	2498.15	76.57	595.00	400.00	995.00	0.00
138.00	860.00	0.00	0.00	62.40	1200.00	68.20	129.32	68.74	154.51	0.00	0.00	0.00
138.00	860.00	0.00	0.00	62.40	50000.00	77.26	5944.70	79.25	851.38	0.00	0.00	0.00
138.00	860.00	0.00	0.00	62.40	12000.00	72.05	1099.22	73.47	360.86	0.00	0.00	0.00
138.10	70.00	0.00	0.00	64.50	22000.00	75.38	4774.74	76.05	705.51	0.00	0.00	0.00
138.10	70.00	0.00	0.00	64.50	22000.00	76.28	5485.58	76.87	586.00	418.00	1004.00	0.00
138.10	70.00	0.00	0.00	64.50	1200.00	68.84	468.86	68.91	211.92	0.00	0.00	0.00
138.10	70.00	0.00	0.00	64.50	50000.00	78.40	9427.39	79.63	833.58	0.00	0.00	0.00
138.10	70.00	0.00	0.00	64.50	12000.00	73.34	2596.95	73.87	660.66	0.00	0.00	0.00
138.30	220.00	0.00	0.00	66.00	22000.00	75.96	4453.54	76.57	870.12	0.00	0.00	0.00
138.30	220.00	0.00	0.00	66.00	22000.00	76.64	4517.48	77.35	610.00	410.00	1020.00	0.00
138.30	220.00	0.00	0.00	66.00	1200.00	68.99	176.19	69.28	126.21	0.00	0.00	0.00
138.30	220.00	0.00	0.00	66.00	50000.00	79.37	10593.76	80.23	958.61	0.00	0.00	0.00
138.30	220.00	0.00	0.00	66.00	12000.00	73.82	1949.04	74.55	825.10	0.00	0.00	0.00
139.00	90.00	0.00	0.00	67.50	22000.00	75.85	1737.03	77.54	686.38	0.00	0.00	0.00
139.00	90.00	0.00	0.00	67.50	22000.00	76.55	2157.96	78.00	571.94	480.00	1070.00	0.00
139.00	90.00	0.00	0.00	67.50	1200.00	71.47	85.32	72.21	117.21	0.00	0.00	0.00
139.00	90.00	0.00	0.00	67.50	50000.00	79.00	5523.77	80.96	868.01	0.00	0.00	0.00
139.00	90.00	0.00	0.00	67.50	12000.00	74.86	1001.10	75.93	636.94	0.00	0.00	0.00
140.00	355.00	0.00	0.00	69.10	22000.00	79.16	3503.74	80.28	487.50	0.00	0.00	0.00
140.00	355.00	0.00	0.00	69.10	22000.00	79.18	3504.29	80.31	442.00	648.00	1090.00	0.00
140.00	355.00	0.00	0.00	69.10	1200.00	73.24	348.34	73.37	174.98	0.00	0.00	0.00
140.00	355.00	0.00	0.00	69.10	50000.00	81.43	5929.81	84.11	598.50	0.00	0.00	0.00
140.00	355.00	0.00	0.00	69.10	12000.00	77.48	2148.39	78.16	439.18	0.00	0.00	0.00
141.00	470.00	0.00	0.00	70.70	22000.00	80.99	5693.54	81.52	515.39	0.00	0.00	0.00
141.00	470.00	0.00	0.00	70.70	22000.00	81.02	5625.54	81.57	448.00	582.00	1030.00	0.00
141.00	470.00	0.00	0.00	70.70	1200.00	73.98	298.26	74.04	403.54	0.00	0.00	0.00
141.00	470.00	0.00	0.00	70.70	50000.00	85.02	11424.70	86.13	569.58	0.00	0.00	0.00
141.00	470.00	0.00	0.00	70.70	12000.00	78.84	3423.80	79.14	473.35	0.00	0.00	0.00
142.00	500.00	0.00	0.00	71.20	22000.00	81.71	4605.32	82.63	313.87	0.00	0.00	0.00
142.00	500.00	0.00	0.00	71.20	22000.00	81.76	4641.34	82.67	314.25	870.00	1251.00	0.00
142.00	500.00	0.00	0.00	71.20	1200.00	74.37	594.64	74.41	255.29	0.00	0.00	0.00
142.00	500.00	0.00	0.00	71.20	50000.00	85.77	8177.51	87.98	346.29	0.00	0.00	0.00
142.00	500.00	0.00	0.00	71.20	12000.00	79.45	3023.84	79.92	295.78	0.00	0.00	0.00

SECTION NUMBER	CHANNEL LENGTH	MIN EL OF ROADWAY	MAX EL OF LOW CHORD	MIN EL GROUND	DISCHARGE (CFS)	CWSEL	TQ	EG	TOPWID	STENCL	STENCR	WSELK
100	143.00	445.00	127.00	116.00	77.80	22000.00	87.60	6460.07	88.08	430.00	0.00	0.00	0.00
fw	143.00	445.00	127.00	116.00	77.80	22000.00	87.60	6460.07	88.08	430.00	1720.00	2186.00	0.00
10	143.00	445.00	127.00	116.00	77.80	1200.00	78.80	49.94	79.36	362.80	0.00	0.00	0.00
500	143.00	445.00	127.00	116.00	77.80	50000.00	95.06	17303.06	95.81	430.00	0.00	0.00	0.00
50	143.00	445.00	127.00	116.00	77.80	12000.00	83.97	2801.81	84.36	430.00	0.00	0.00	0.00
	144.00	350.00	0.00	0.00	79.60	22000.00	88.03	2794.38	89.26	650.62	0.00	0.00	0.00
	144.00	350.00	0.00	0.00	79.60	22000.00	88.02	2768.52	89.28	622.63	800.00	1490.00	0.00
	144.00	350.00	0.00	0.00	79.60	1200.00	82.86	187.40	83.07	224.24	0.00	0.00	0.00
	144.00	350.00	0.00	0.00	79.60	50000.00	95.64	15544.37	96.20	903.46	0.00	0.00	0.00
	144.00	350.00	0.00	0.00	79.60	12000.00	85.73	1096.91	87.20	479.79	0.00	0.00	0.00
	145.00	1070.00	0.00	0.00	83.70	22000.00	91.59	5854.11	92.01	707.06	0.00	0.00	0.00
	145.00	1070.00	0.00	0.00	83.70	22000.00	91.77	5516.00	92.28	555.00	560.00	1115.00	0.00
	145.00	1070.00	0.00	0.00	83.70	1200.00	85.32	329.20	85.37	431.72	0.00	0.00	0.00
	145.00	1070.00	0.00	0.00	83.70	50000.00	96.68	15317.24	97.29	750.36	0.00	0.00	0.00
	145.00	1070.00	0.00	0.00	83.70	12000.00	89.82	3585.65	90.06	669.65	0.00	0.00	0.00
	146.00	885.00	0.00	0.00	91.00	22000.00	102.52	2487.02	104.28	514.44	0.00	0.00	0.00
	146.00	885.00	0.00	0.00	91.00	22000.00	102.32	2330.49	104.28	503.94	412.00	1292.00	0.00
	146.00	885.00	0.00	0.00	91.00	1200.00	95.38	88.77	96.48	65.18	0.00	0.00	0.00
	146.00	885.00	0.00	0.00	91.00	50000.00	105.00	4901.91	108.18	556.27	0.00	0.00	0.00
	146.00	885.00	0.00	0.00	91.00	12000.00	101.69	1871.39	102.53	470.73	0.00	0.00	0.00
	147.00	545.00	0.00	0.00	92.10	22000.00	104.66	14012.13	104.78	896.89	0.00	0.00	0.00
	147.00	545.00	0.00	0.00	92.10	22000.00	104.75	11830.72	104.93	635.00	645.00	1280.00	0.00
	147.00	545.00	0.00	0.00	92.10	1200.00	96.67	1707.57	96.68	655.27	0.00	0.00	0.00
	147.00	545.00	0.00	0.00	92.10	50000.00	108.74	24934.84	109.02	1034.40	0.00	0.00	0.00
	147.00	545.00	0.00	0.00	92.10	12000.00	102.75	10057.16	102.81	798.64	0.00	0.00	0.00
	148.00	370.00	0.00	0.00	92.60	22000.00	104.79	10918.91	104.93	954.50	0.00	0.00	0.00
	148.00	370.00	0.00	0.00	92.60	22000.00	104.89	7644.70	105.19	600.00	620.00	1220.00	0.00
	148.00	370.00	0.00	0.00	92.60	1200.00	96.66	232.25	96.77	325.48	0.00	0.00	0.00
	148.00	370.00	0.00	0.00	92.60	50000.00	108.92	21980.37	109.22	1011.08	0.00	0.00	0.00
	148.00	370.00	0.00	0.00	92.60	12000.00	102.83	6944.89	102.90	914.84	0.00	0.00	0.00
	149.00	980.00	0.00	0.00	102.20	22000.00	108.51	2023.65	109.99	794.92	0.00	0.00	0.00
	149.00	980.00	0.00	0.00	102.20	22000.00	109.01	1991.16	110.96	514.00	208.00	722.00	0.00
	149.00	980.00	0.00	0.00	102.20	1200.00	104.66	79.45	105.15	225.82	0.00	0.00	0.00
	149.00	980.00	0.00	0.00	102.20	50000.00	110.59	4591.40	113.09	807.09	0.00	0.00	0.00
	149.00	980.00	0.00	0.00	102.20	12000.00	107.46	1118.47	108.53	738.16	0.00	0.00	0.00
	149.10	600.00	0.00	0.00	103.80	22000.00	112.64	3876.29	113.36	805.73	0.00	0.00	0.00
	149.10	600.00	0.00	0.00	103.80	22000.00	113.33	4246.15	114.04	635.00	170.00	805.00	0.00
	149.10	600.00	0.00	0.00	103.80	1200.00	107.47	301.96	107.57	339.72	0.00	0.00	0.00
	149.10	600.00	0.00	0.00	103.80	50000.00	115.51	8363.53	116.72	902.25	0.00	0.00	0.00
	149.10	600.00	0.00	0.00	103.80	12000.00	111.11	2246.86	111.61	660.10	0.00	0.00	0.00

SECTION NUMBER	CHANNEL LENGTH	MIN EL OF ROADWAY	MAX EL OF LOW CHORD	MIN EL GROUND	DISCHARGE (CFS)	CWSEL	TQ	EG	TOPWID	STENCL	STENCR	WSELK
150.00	570.00	0.00	0.00	105.20	22000.00	114.02	7644.94	114.24	914.32	0.00	0.00	0.00
150.00	570.00	0.00	0.00	105.20	22000.00	114.66	6788.90	114.98	665.00	500.00	1165.00	0.00
150.00	570.00	0.00	0.00	105.20	1200.00	106.36	325.90	108.41	456.92	0.00	0.00	0.00
150.00	570.00	0.00	0.00	105.20	50000.00	117.36	15250.90	117.83	1066.48	0.00	0.00	0.00
150.00	570.00	0.00	0.00	105.20	12000.00	112.22	4587.53	112.35	874.57	0.00	0.00	0.00
151.00	1045.00	0.00	0.00	111.00	22000.00	115.54	2139.05	116.55	1041.95	0.00	0.00	0.00
151.00	1045.00	0.00	0.00	111.00	22000.00	116.56	1977.11	117.90	713.06	315.00	1030.00	0.00
151.00	1045.00	0.00	0.00	111.00	1200.00	112.49	86.58	112.89	364.80	0.00	0.00	0.00
151.00	1045.00	0.00	0.00	111.00	50000.00	118.93	8071.85	119.85	1140.92	0.00	0.00	0.00
151.00	1045.00	0.00	0.00	111.00	12000.00	114.48	1032.33	115.33	976.43	0.00	0.00	0.00
152.00	560.00	0.00	0.00	114.80	22000.00	121.14	2245.35	122.42	673.34	0.00	0.00	0.00
152.00	560.00	0.00	0.00	114.80	22000.00	122.04	4060.40	122.82	571.29	505.00	1095.00	0.00
152.00	560.00	0.00	0.00	114.80	1200.00	118.32	150.10	118.83	76.91	0.00	0.00	0.00
152.00	560.00	0.00	0.00	114.80	50000.00	121.95	7200.12	123.13	1096.36	0.00	0.00	0.00
152.00	560.00	0.00	0.00	114.80	12000.00	120.17	1413.66	120.89	667.00	0.00	0.00	0.00
153.00	190.00	0.00	0.00	115.30	22000.00	123.14	1899.72	126.09	275.81	0.00	0.00	0.00
153.00	190.00	0.00	0.00	115.30	22000.00	123.15	1903.35	126.09	275.86	660.00	1250.00	0.00
153.00	190.00	0.00	0.00	115.30	1200.00	119.19	385.06	119.25	229.69	0.00	0.00	0.00
153.00	190.00	0.00	0.00	115.30	50000.00	125.99	9864.82	126.78	1402.63	0.00	0.00	0.00
153.00	190.00	0.00	0.00	115.30	12000.00	121.17	1004.64	123.14	261.39	0.00	0.00	0.00
154.00	345.00	0.00	0.00	117.80	22000.00	126.74	9191.57	126.91	1036.01	0.00	0.00	0.00
154.00	345.00	0.00	0.00	117.80	22000.00	127.00	5804.65	127.46	563.86	555.00	1145.00	0.00
154.00	345.00	0.00	0.00	117.80	1200.00	119.75	201.56	119.83	573.84	0.00	0.00	0.00
154.00	345.00	0.00	0.00	117.80	50000.00	126.87	9459.42	127.71	1041.59	0.00	0.00	0.00
154.00	345.00	0.00	0.00	117.80	12000.00	124.01	3732.40	124.19	807.65	0.00	0.00	0.00
155.00	330.00	0.00	0.00	118.10	22000.00	126.91	6659.66	127.18	977.72	0.00	0.00	0.00
155.00	330.00	0.00	0.00	118.10	22000.00	127.43	4512.73	128.12	574.00	588.00	1162.00	0.00
155.00	330.00	0.00	0.00	118.10	1200.00	120.56	271.27	120.63	390.61	0.00	0.00	0.00
155.00	330.00	0.00	0.00	118.10	50000.00	127.71	8192.62	128.79	982.55	0.00	0.00	0.00
155.00	330.00	0.00	0.00	118.10	12000.00	124.36	2876.07	124.63	835.66	0.00	0.00	0.00
156.00	300.00	0.00	0.00	118.10	22000.00	127.18	8201.72	127.43	793.66	0.00	0.00	0.00
156.00	300.00	0.00	0.00	118.10	22000.00	128.21	8770.38	128.48	580.00	655.00	1235.00	0.00
156.00	300.00	0.00	0.00	118.10	1200.00	120.77	783.52	120.79	529.83	0.00	0.00	0.00
156.00	300.00	0.00	0.00	118.10	50000.00	128.69	11114.25	129.55	938.38	0.00	0.00	0.00
156.00	300.00	0.00	0.00	118.10	12000.00	124.78	4534.33	124.94	710.31	0.00	0.00	0.00
157.00	170.00	0.00	0.00	121.10	22000.00	129.60	2340.72	130.93	862.67	0.00	0.00	0.00
157.00	170.00	0.00	0.00	121.10	22000.00	129.60	2190.08	131.31	600.00	660.00	1260.00	0.00
157.00	170.00	0.00	0.00	121.10	1200.00	124.11	83.80	124.67	184.72	0.00	0.00	0.00
157.00	170.00	0.00	0.00	121.10	50000.00	131.45	4697.46	133.85	903.14	0.00	0.00	0.00
157.00	170.00	0.00	0.00	121.10	12000.00	127.80	1048.55	129.39	385.10	0.00	0.00	0.00

SECTION NUMBER	CHANNEL LENGTH	MIN EL OF ROADWAY	MAX EL OF LOW CHORD	MIN EL GROUND	DISCHARGE (CFS)	CWSEL	TQ	EG	TOPWID	STENCL	STENCR	WSELK
100 157.10	190.00	0.00	0.00	123.50	22000.00	131.20	6873.07	131.47	852.86	0.00	0.00	0.00
fw 157.10	190.00	0.00	0.00	123.50	22000.00	131.59	5884.52	132.00	630.00	682.00	1312.00	0.00
10 157.10	190.00	0.00	0.00	123.50	1200.00	125.36	312.14	125.42	591.49	0.00	0.00	0.00
500 157.10	190.00	0.00	0.00	123.50	50000.00	134.01	12596.67	134.66	887.56	0.00	0.00	0.00
50 157.10	190.00	0.00	0.00	123.50	12000.00	129.76	4520.96	129.89	840.76	0.00	0.00	0.00
158.00	210.00	0.00	0.00	121.50	22000.00	131.40	8040.49	131.65	862.81	0.00	0.00	0.00
158.00	210.00	0.00	0.00	121.50	22000.00	131.85	6318.03	132.28	637.00	635.00	1272.00	0.00
158.00	210.00	0.00	0.00	121.50	1200.00	125.46	1210.39	125.47	550.24	0.00	0.00	0.00
158.00	210.00	0.00	0.00	121.50	50000.00	134.35	14172.36	134.95	893.58	0.00	0.00	0.00
158.00	210.00	0.00	0.00	121.50	12000.00	129.89	5662.11	130.01	730.55	0.00	0.00	0.00
159.00	575.00	0.00	0.00	122.00	22000.00	131.80	8430.06	132.06	732.32	0.00	0.00	0.00
159.00	575.00	0.00	0.00	122.00	22000.00	132.51	9044.52	132.77	650.00	1068.00	1718.00	0.00
159.00	575.00	0.00	0.00	122.00	1200.00	125.52	1150.92	125.53	545.24	0.00	0.00	0.00
159.00	575.00	0.00	0.00	122.00	50000.00	135.01	14799.22	135.64	873.05	0.00	0.00	0.00
159.00	575.00	0.00	0.00	122.00	12000.00	130.13	5858.33	130.26	677.48	0.00	0.00	0.00
160.00	480.00	0.00	0.00	131.80	22000.00	141.44	2405.81	142.77	862.91	0.00	0.00	0.00
160.00	480.00	0.00	0.00	131.80	22000.00	141.27	1978.85	143.44	454.91	1565.00	2250.00	0.00
160.00	480.00	0.00	0.00	131.80	1200.00	136.19	86.09	136.93	113.07	0.00	0.00	0.00
160.00	480.00	0.00	0.00	131.80	50000.00	143.57	5511.36	145.31	1380.34	0.00	0.00	0.00
160.00	480.00	0.00	0.00	131.80	12000.00	139.98	1218.44	141.20	610.44	0.00	0.00	0.00
161.00	30.00	0.00	0.00	136.20	22000.00	142.35	3188.87	143.02	1169.59	0.00	0.00	0.00
161.00	30.00	0.00	0.00	136.20	22000.00	143.14	3860.36	143.76	745.00	1480.00	2225.00	0.00
161.00	30.00	0.00	0.00	136.20	1200.00	137.83	78.13	138.31	232.38	0.00	0.00	0.00
161.00	30.00	0.00	0.00	136.20	50000.00	144.54	7342.88	145.56	1383.81	0.00	0.00	0.00
161.00	30.00	0.00	0.00	136.20	12000.00	140.80	1397.70	141.51	911.24	0.00	0.00	0.00
162.00	50.00	0.00	0.00	130.20	22000.00	142.93	8572.37	143.13	1341.67	0.00	0.00	0.00
162.00	50.00	0.00	0.00	130.20	22000.00	143.65	9381.59	143.85	833.00	1335.00	2168.00	0.00
162.00	50.00	0.00	0.00	130.20	1200.00	138.36	1743.45	138.37	746.54	0.00	0.00	0.00
162.00	50.00	0.00	0.00	130.20	50000.00	145.26	14882.89	145.70	1472.53	0.00	0.00	0.00
162.00	50.00	0.00	0.00	130.20	12000.00	141.51	5715.34	141.62	1122.23	0.00	0.00	0.00
163.00	1150.00	0.00	0.00	130.10	22000.00	143.40	15525.50	143.49	1026.17	0.00	0.00	0.00
163.00	1150.00	0.00	0.00	130.10	22000.00	144.07	16415.37	144.17	808.00	762.00	1570.00	0.00
163.00	1150.00	0.00	0.00	130.10	1200.00	138.38	5534.59	138.38	715.38	0.00	0.00	0.00
163.00	1150.00	0.00	0.00	130.10	50000.00	146.15	23551.92	146.43	1232.94	0.00	0.00	0.00
163.00	1150.00	0.00	0.00	130.10	12000.00	141.78	11631.27	141.83	1014.32	0.00	0.00	0.00
164.00	960.00	0.00	0.00	134.20	22000.00	143.53	4170.01	144.12	654.98	0.00	0.00	0.00
164.00	960.00	0.00	0.00	134.20	22000.00	144.06	3849.87	144.82	520.00	810.00	1330.00	0.00
164.00	960.00	0.00	0.00	134.20	1200.00	138.34	257.51	138.42	415.88	0.00	0.00	0.00
164.00	960.00	0.00	0.00	134.20	50000.00	146.41	8418.91	147.65	793.10	0.00	0.00	0.00
164.00	960.00	0.00	0.00	134.20	12000.00	141.84	2348.95	142.21	633.22	0.00	0.00	0.00

SECTION NUMBER	CHANNEL LENGTH	MIN EL OF ROADWAY	MAX EL OF LOW CHORD	MIN EL GROUND	DISCHARGE (CFS)	CWSEL	TQ	EG	TOPWID	STENCL	STENCR	WSELK
165.00	750.00	0.00	0.00	137.50	22000.00	145.84	3641.66	146.60	673.96	0.00	0.00	0.00
165.00	750.00	0.00	0.00	137.50	22000.00	146.45	4089.84	147.17	523.00	715.00	1238.00	0.00
165.00	750.00	0.00	0.00	137.50	1200.00	140.39	202.22	140.51	296.12	0.00	0.00	0.00
165.00	750.00	0.00	0.00	137.50	50000.00	149.11	8403.95	150.38	822.41	0.00	0.00	0.00
165.00	750.00	0.00	0.00	137.50	12000.00	144.10	1959.30	144.62	572.67	0.00	0.00	0.00
166.00	840.00	0.00	0.00	141.20	22000.00	149.25	3329.65	150.07	731.21	0.00	0.00	0.00
166.00	840.00	0.00	0.00	141.20	22000.00	149.41	3131.11	150.48	515.00	515.00	1030.00	0.00
166.00	840.00	0.00	0.00	141.20	1200.00	144.15	158.98	144.33	312.89	0.00	0.00	0.00
166.00	840.00	0.00	0.00	141.20	50000.00	152.35	7791.92	153.71	763.68	0.00	0.00	0.00
166.00	840.00	0.00	0.00	141.20	12000.00	147.64	1773.29	148.22	603.99	0.00	0.00	0.00
167.00	1115.00	0.00	0.00	152.90	22000.00	158.29	1990.94	160.21	539.82	0.00	0.00	0.00
167.00	1115.00	0.00	0.00	152.90	22000.00	158.16	1875.79	160.30	445.73	322.00	815.00	0.00
167.00	1115.00	0.00	0.00	152.90	1200.00	154.28	84.95	154.64	331.19	0.00	0.00	0.00
167.00	1115.00	0.00	0.00	152.90	50000.00	161.30	5109.96	163.96	777.32	0.00	0.00	0.00
167.00	1115.00	0.00	0.00	152.90	12000.00	156.73	974.87	158.16	443.86	0.00	0.00	0.00
168.00	820.00	0.00	0.00	154.40	22000.00	163.81	4184.88	164.51	595.10	0.00	0.00	0.00
168.00	820.00	0.00	0.00	154.40	22000.00	163.94	4297.68	164.63	520.00	450.00	970.00	0.00
168.00	820.00	0.00	0.00	154.40	1200.00	158.07	282.51	158.17	325.43	0.00	0.00	0.00
168.00	820.00	0.00	0.00	154.40	50000.00	167.05	8575.35	168.48	662.50	0.00	0.00	0.00
168.00	820.00	0.00	0.00	154.40	12000.00	161.98	2411.66	162.40	509.21	0.00	0.00	0.00
168.10	450.00	0.00	0.00	156.70	22000.00	164.94	4514.55	165.67	482.61	0.00	0.00	0.00
168.10	450.00	0.00	0.00	156.70	22000.00	165.01	4416.11	165.81	406.00	325.00	731.00	0.00
168.10	450.00	0.00	0.00	156.70	1200.00	158.82	326.70	158.88	372.65	0.00	0.00	0.00
168.10	450.00	0.00	0.00	156.70	50000.00	168.42	8813.68	170.02	509.62	0.00	0.00	0.00
168.10	450.00	0.00	0.00	156.70	12000.00	162.98	2678.72	163.40	467.48	0.00	0.00	0.00
169.00	500.00	0.00	0.00	159.60	22000.00	167.70	1983.26	170.77	272.76	0.00	0.00	0.00
169.00	500.00	0.00	0.00	159.60	22000.00	167.75	2006.34	170.78	268.00	750.00	1018.00	0.00
169.00	500.00	0.00	0.00	159.60	1200.00	161.98	79.08	162.53	185.99	0.00	0.00	0.00
169.00	500.00	0.00	0.00	159.60	50000.00	172.22	5033.64	177.09	310.65	0.00	0.00	0.00
169.00	500.00	0.00	0.00	159.60	12000.00	165.63	1018.36	167.71	255.41	0.00	0.00	0.00
169.10	200.00	0.00	0.00	160.40	22000.00	170.68	3289.19	172.30	285.73	0.00	0.00	0.00
169.10	200.00	0.00	0.00	160.40	22000.00	170.66	3277.48	172.31	279.57	622.00	905.00	0.00
169.10	200.00	0.00	0.00	160.40	1200.00	163.74	213.84	163.91	226.13	0.00	0.00	0.00
169.10	200.00	0.00	0.00	160.40	50000.00	175.62	7343.17	178.59	326.74	0.00	0.00	0.00
169.10	200.00	0.00	0.00	160.40	12000.00	168.22	1828.61	169.24	265.23	0.00	0.00	0.00
169.30	490.00	0.00	0.00	163.50	22000.00	173.07	2468.57	175.37	348.17	0.00	0.00	0.00
169.30	490.00	0.00	0.00	163.50	22000.00	173.04	2426.34	175.45	315.00	340.00	655.00	0.00
169.30	490.00	0.00	0.00	163.50	1200.00	166.12	109.17	166.75	113.67	0.00	0.00	0.00
169.30	490.00	0.00	0.00	163.50	50000.00	178.26	7019.36	180.99	432.53	0.00	0.00	0.00
169.30	490.00	0.00	0.00	163.50	12000.00	170.93	1280.29	172.77	321.94	0.00	0.00	0.00

SECTION NUMBER	CHANNEL LENGTH	MIN EL OF ROADWAY	MAX EL OF LOW CHORD	MIN EL GROUND	DISCHARGE (CFS)	CWSEL	TQ	EG	TOPWID	STENCL	STENCR	WSELK
100 fw 170.00	240.00	0.00	0.00	166.10	22000.00	175.56	2310.29	177.41	456.25	0.00	0.00	0.00
170.00	240.00	0.00	0.00	166.10	22000.00	175.59	2301.53	177.54	380.00	575.00	955.00	0.00
10 170.00	240.00	0.00	0.00	166.10	1200.00	170.55	140.28	170.94	166.98	0.00	0.00	0.00
500 170.00	240.00	0.00	0.00	166.10	50000.00	180.20	7112.55	182.24	573.09	0.00	0.00	0.00
50 170.00	240.00	0.00	0.00	166.10	12000.00	173.66	1129.88	175.14	393.36	0.00	0.00	0.00
170.10	350.00	0.00	0.00	167.40	22000.00	178.18	5699.54	178.59	797.57	0.00	0.00	0.00
170.10	350.00	0.00	0.00	167.40	22000.00	178.44	3833.66	179.40	462.00	400.00	862.00	0.00
170.10	350.00	0.00	0.00	167.40	1200.00	171.65	376.11	171.71	284.27	0.00	0.00	0.00
170.10	350.00	0.00	0.00	167.40	50000.00	182.53	14006.80	183.15	845.92	0.00	0.00	0.00
170.10	350.00	0.00	0.00	167.40	12000.00	176.09	3025.25	176.41	746.48	0.00	0.00	0.00
171.00	800.00	0.00	0.00	170.20	22000.00	179.29	6635.86	179.61	787.37	0.00	0.00	0.00
171.00	800.00	0.00	0.00	170.20	22000.00	180.28	8221.09	180.53	762.00	358.00	1120.00	0.00
171.00	800.00	0.00	0.00	170.20	1200.00	172.80	247.88	172.90	265.53	0.00	0.00	0.00
171.00	800.00	0.00	0.00	170.20	50000.00	183.56	16366.63	184.02	1107.25	0.00	0.00	0.00
171.00	800.00	0.00	0.00	170.20	12000.00	177.20	3772.02	177.41	702.81	0.00	0.00	0.00
172.00	1680.00	0.00	0.00	176.00	22000.00	182.14	3761.81	182.70	806.28	0.00	0.00	0.00
172.00	1680.00	0.00	0.00	176.00	22000.00	182.30	3825.23	182.88	741.04	293.00	1040.00	0.00
172.00	1680.00	0.00	0.00	176.00	1200.00	177.98	185.22	178.08	527.30	0.00	0.00	0.00
172.00	1680.00	0.00	0.00	176.00	50000.00	185.71	9818.21	186.62	821.62	0.00	0.00	0.00
172.00	1680.00	0.00	0.00	176.00	12000.00	180.32	1657.28	180.78	793.26	0.00	0.00	0.00
173.00	1100.00	0.00	0.00	183.30	22000.00	190.11	2183.46	191.68	674.74	0.00	0.00	0.00
173.00	1100.00	0.00	0.00	183.30	22000.00	190.39	2122.15	192.31	500.79	505.00	1047.00	0.00
173.00	1100.00	0.00	0.00	183.30	1200.00	186.94	90.15	188.16	55.26	0.00	0.00	0.00
173.00	1100.00	0.00	0.00	183.30	50000.00	192.32	4678.45	195.00	726.24	0.00	0.00	0.00
173.00	1100.00	0.00	0.00	183.30	12000.00	188.96	1273.05	190.04	591.73	0.00	0.00	0.00
174.00	1100.00	0.00	0.00	188.00	22000.00	195.76	4790.66	196.13	979.99	0.00	0.00	0.00
174.00	1100.00	0.00	0.00	188.00	22000.00	196.16	5115.61	196.53	873.00	492.00	1365.00	0.00
174.00	1100.00	0.00	0.00	188.00	1200.00	191.48	346.11	191.53	630.59	0.00	0.00	0.00
174.00	1100.00	0.00	0.00	188.00	50000.00	198.87	11127.22	199.53	1058.31	0.00	0.00	0.00
174.00	1100.00	0.00	0.00	188.00	12000.00	194.20	2543.35	194.46	955.30	0.00	0.00	0.00
175.00	1280.00	0.00	0.00	195.60	22000.00	199.68	3037.93	200.24	1121.44	0.00	0.00	0.00
175.00	1280.00	0.00	0.00	195.60	22000.00	199.72	3090.65	200.27	1110.00	435.00	1545.00	0.00
175.00	1280.00	0.00	0.00	195.60	1200.00	196.72	103.85	196.91	1018.30	0.00	0.00	0.00
175.00	1280.00	0.00	0.00	195.60	50000.00	202.24	7902.47	203.14	1135.61	0.00	0.00	0.00
175.00	1280.00	0.00	0.00	195.60	12000.00	198.56	1531.18	198.95	1115.23	0.00	0.00	0.00
176.00	1200.00	0.00	0.00	201.00	22000.00	206.12	2645.84	207.28	694.82	0.00	0.00	0.00
176.00	1200.00	0.00	0.00	201.00	22000.00	206.15	2569.64	207.42	578.65	905.00	1493.00	0.00
176.00	1200.00	0.00	0.00	201.00	1200.00	202.33	248.98	202.40	439.27	0.00	0.00	0.00
176.00	1200.00	0.00	0.00	201.00	50000.00	208.00	4879.14	210.61	717.85	0.00	0.00	0.00
176.00	1200.00	0.00	0.00	201.00	12000.00	204.99	1631.57	205.66	655.90	0.00	0.00	0.00

SECTION NUMBER	CHANNEL LENGTH	MIN EL OF ROADWAY	MAX EL OF LOW CHORD	MIN EL GROUND	DISCHARGE (CFS)	CWSEL	TQ	EG	TOPWID	STENCL	STENCR	WSELK
177.00	800.00	0.00	0.00	202.30	22000.00	209.03	6327.60	209.32	869.85	0.00	0.00	0.00
177.00	800.00	0.00	0.00	202.30	22000.00	209.18	6360.60	209.48	794.00	790.00	1584.00	0.00
177.00	800.00	0.00	0.00	202.30	1200.00	203.70	337.68	203.74	619.48	0.00	0.00	0.00
177.00	800.00	0.00	0.00	202.30	50000.00	212.60	13780.09	213.18	897.81	0.00	0.00	0.00
177.00	800.00	0.00	0.00	202.30	12000.00	207.25	3561.07	207.43	855.96	0.00	0.00	0.00
178.00	1200.00	0.00	0.00	208.80	22000.00	214.75	2043.50	216.16	871.55	0.00	0.00	0.00
178.00	1200.00	0.00	0.00	208.80	22000.00	214.73	2019.54	216.17	827.51	550.00	1420.00	0.00
178.00	1200.00	0.00	0.00	208.80	1200.00	210.35	82.58	210.97	155.35	0.00	0.00	0.00
178.00	1200.00	0.00	0.00	208.80	50000.00	216.76	4625.65	219.02	949.20	0.00	0.00	0.00
178.00	1200.00	0.00	0.00	208.80	12000.00	214.79	1184.77	214.77	801.93	0.00	0.00	0.00
179.00	1000.00	0.00	0.00	225.90	22000.00	229.18	1711.99	230.27	1163.62	0.00	0.00	0.00
179.00	1000.00	0.00	0.00	225.90	22000.00	229.21	1738.01	230.27	1155.00	180.00	1335.00	0.00
179.00	1000.00	0.00	0.00	225.90	1200.00	227.17	107.66	227.31	781.60	0.00	0.00	0.00
179.00	1000.00	0.00	0.00	225.90	50000.00	230.76	4082.62	232.69	1176.09	0.00	0.00	0.00
179.00	1000.00	0.00	0.00	225.90	12000.00	228.39	855.39	229.15	1157.36	0.00	0.00	0.00
180.00	900.00	0.00	0.00	229.50	22000.00	236.10	3480.03	236.68	1141.31	0.00	0.00	0.00
180.00	900.00	0.00	0.00	229.50	22000.00	236.42	3253.79	237.21	775.00	440.00	1215.00	0.00
180.00	900.00	0.00	0.00	229.50	1200.00	232.22	210.94	232.34	463.28	0.00	0.00	0.00
180.00	900.00	0.00	0.00	229.50	50000.00	238.27	7684.18	239.19	1433.56	0.00	0.00	0.00
180.00	900.00	0.00	0.00	229.50	12000.00	234.96	2021.90	235.36	987.19	0.00	0.00	0.00
180.10	300.00	0.00	0.00	233.30	22000.00	237.90	1877.46	239.00	1231.07	0.00	0.00	0.00
180.10	300.00	0.00	0.00	233.30	22000.00	238.21	1811.89	239.94	615.00	600.00	1215.00	0.00
180.10	300.00	0.00	0.00	233.30	1200.00	234.96	81.97	235.39	273.25	0.00	0.00	0.00
180.10	300.00	0.00	0.00	233.30	50000.00	239.73	4825.17	241.27	1407.37	0.00	0.00	0.00
180.10	300.00	0.00	0.00	233.30	12000.00	237.17	1117.11	237.89	1113.76	0.00	0.00	0.00
180.20	370.00	0.00	0.00	234.80	22000.00	241.33	2999.79	242.05	1261.35	0.00	0.00	0.00
180.20	370.00	0.00	0.00	234.80	22000.00	242.03	3091.71	243.00	619.00	506.00	1125.00	0.00
180.20	370.00	0.00	0.00	234.80	1200.00	237.61	221.88	237.72	364.15	0.00	0.00	0.00
180.20	370.00	0.00	0.00	234.80	50000.00	243.07	6157.47	244.36	1324.23	0.00	0.00	0.00
180.20	370.00	0.00	0.00	234.80	12000.00	240.21	1600.59	240.79	1113.24	0.00	0.00	0.00
181.00	350.00	0.00	0.00	234.30	22000.00	242.98	3227.68	243.86	875.87	0.00	0.00	0.00
181.00	350.00	0.00	0.00	234.30	22000.00	243.58	3264.56	244.74	415.00	415.00	830.00	0.00
181.00	350.00	0.00	0.00	234.30	1200.00	238.47	260.47	238.59	379.44	0.00	0.00	0.00
181.00	350.00	0.00	0.00	234.30	50000.00	245.13	6611.30	246.58	1299.09	0.00	0.00	0.00
181.00	350.00	0.00	0.00	234.30	12000.00	241.80	2028.72	242.34	711.82	0.00	0.00	0.00
182.00	660.00	0.00	0.00	239.90	22000.00	248.01	2189.42	250.17	464.23	0.00	0.00	0.00
182.00	660.00	0.00	0.00	239.90	22000.00	247.89	2057.58	250.33	367.81	342.00	710.00	0.00
182.00	660.00	0.00	0.00	239.90	1200.00	242.23	81.90	242.90	137.03	0.00	0.00	0.00
182.00	660.00	0.00	0.00	239.90	50000.00	251.71	6395.36	253.80	1250.31	0.00	0.00	0.00
182.00	660.00	0.00	0.00	239.90	12000.00	246.29	1138.19	247.92	397.48	0.00	0.00	0.00

SECTION NUMBER	CHANNEL LENGTH	MIN EL OF ROADWAY	MAX EL OF LOW CHORD	MIN EL GROUND	DISCHARGE (CFS)	CWSEL	TQ	EG	TOPWID	STENCL	STENCR	WSELK
182.10	260.00	0.00	0.00	240.90	22000.00	251.08	3258.19	252.01	1198.61	0.00	0.00	0.00
182.10	260.00	0.00	0.00	240.90	22000.00	251.12	2700.89	252.62	386.00	65.00	451.00	0.00
182.10	260.00	0.00	0.00	240.90	1200.00	245.89	136.49	246.09	289.78	0.00	0.00	0.00
182.10	260.00	0.00	0.00	240.90	50000.00	254.24	9382.90	255.10	1418.67	0.00	0.00	0.00
182.10	260.00	0.00	0.00	240.90	12000.00	249.22	1563.64	250.02	434.88	0.00	0.00	0.00
183.00	220.00	0.00	0.00	241.80	22000.00	252.40	4359.35	253.06	646.17	0.00	0.00	0.00
183.00	220.00	0.00	0.00	241.80	22000.00	253.00	4169.64	253.90	390.00	305.00	695.00	0.00
183.00	220.00	0.00	0.00	241.80	1200.00	246.69	338.84	246.78	278.22	0.00	0.00	0.00
183.00	220.00	0.00	0.00	241.80	50000.00	254.96	7930.79	256.42	759.45	0.00	0.00	0.00
183.00	220.00	0.00	0.00	241.80	12000.00	250.63	2528.41	251.06	581.58	0.00	0.00	0.00
184.00	1280.00	0.00	0.00	248.80	22000.00	259.88	2901.54	261.35	991.71	0.00	0.00	0.00
184.00	1280.00	0.00	0.00	248.80	22000.00	259.32	2306.19	261.66	381.40	276.00	713.00	0.00
184.00	1280.00	0.00	0.00	248.80	1200.00	252.33	85.72	253.26	92.12	0.00	0.00	0.00
184.00	1280.00	0.00	0.00	248.80	50000.00	261.98	6159.07	263.76	1457.19	0.00	0.00	0.00
184.00	1280.00	0.00	0.00	248.80	12000.00	257.15	1210.93	259.08	308.80	0.00	0.00	0.00
184.10	170.00	0.00	0.00	250.40	22000.00	261.84	2820.53	263.52	823.95	0.00	0.00	0.00
184.10	170.00	0.00	0.00	250.40	22000.00	261.80	2513.44	264.18	453.77	300.00	760.00	0.00
184.10	170.00	0.00	0.00	250.40	1200.00	254.31	182.62	254.67	89.07	0.00	0.00	0.00
184.10	170.00	0.00	0.00	250.40	50000.00	264.28	5971.71	266.40	1191.93	0.00	0.00	0.00
184.10	170.00	0.00	0.00	250.40	12000.00	259.28	1282.54	261.38	289.39	0.00	0.00	0.00
184.20	195.00	0.00	0.00	250.70	22000.00	263.69	4587.03	264.34	1024.31	0.00	0.00	0.00
184.20	195.00	0.00	0.00	250.70	22000.00	264.20	4121.38	265.19	520.00	350.00	870.00	0.00
184.20	195.00	0.00	0.00	250.70	1200.00	255.25	163.82	255.61	105.17	0.00	0.00	0.00
184.20	195.00	0.00	0.00	250.70	50000.00	266.39	9699.73	267.34	1290.20	0.00	0.00	0.00
184.20	195.00	0.00	0.00	250.70	12000.00	261.76	2316.16	262.41	830.69	0.00	0.00	0.00
185.00	150.00	0.00	0.00	253.20	22000.00	264.34	7509.30	264.58	1172.34	0.00	0.00	0.00
185.00	150.00	0.00	0.00	253.20	22000.00	265.08	6230.79	265.52	583.00	282.00	865.00	0.00
185.00	150.00	0.00	0.00	253.20	1200.00	256.20	150.12	256.50	185.25	0.00	0.00	0.00
185.00	150.00	0.00	0.00	253.20	50000.00	267.19	14672.15	267.65	1278.71	0.00	0.00	0.00
185.00	150.00	0.00	0.00	253.20	12000.00	262.49	4259.15	262.66	1019.67	0.00	0.00	0.00
186.00	390.00	0.00	0.00	254.90	22000.00	264.63	8296.08	264.87	758.87	0.00	0.00	0.00
186.00	390.00	0.00	0.00	254.90	22000.00	265.62	9488.65	265.84	659.00	246.00	905.00	0.00
186.00	390.00	0.00	0.00	254.90	1200.00	257.45	327.92	257.50	543.05	0.00	0.00	0.00
186.00	390.00	0.00	0.00	254.90	50000.00	267.52	14189.07	268.14	840.39	0.00	0.00	0.00
186.00	390.00	0.00	0.00	254.90	12000.00	262.78	5323.96	262.90	733.43	0.00	0.00	0.00
187.00	460.00	0.00	0.00	253.40	22000.00	264.88	5914.09	265.30	614.95	0.00	0.00	0.00
187.00	460.00	0.00	0.00	253.40	22000.00	265.78	6624.29	266.19	518.00	170.00	688.00	0.00
187.00	460.00	0.00	0.00	253.40	1200.00	253.16	240.37	258.29	359.74	0.00	0.00	0.00
187.00	460.00	0.00	0.00	253.40	50000.00	267.86	10560.76	268.91	632.69	0.00	0.00	0.00
187.00	460.00	0.00	0.00	253.40	12000.00	262.98	3579.05	263.22	603.67	0.00	0.00	0.00

SECTION NUMBER	CHANNEL LENGTH	MIN EL OF ROADWAY	MAX EL OF LOW CHORD	MIN EL GROUND	DISCHARGE (CFS)	CWSEL	TQ	EG	TOPWID	STENCL	STENCR	WSELK
188.00	280.00	0.00	0.00	256.30	22000.00	265.03	3852.42	266.03	424.42	0.00	0.00	0.00
188.00	280.00	0.00	0.00	256.30	22000.00	265.90	4526.09	266.75	370.00	150.00	520.00	0.00
188.00	280.00	0.00	0.00	256.30	1200.00	256.78	295.61	258.86	287.86	0.00	0.00	0.00
188.00	280.00	0.00	0.00	256.30	50000.00	267.72	6633.49	270.28	442.60	0.00	0.00	0.00
188.00	280.00	0.00	0.00	256.30	12000.00	263.21	2357.39	263.77	412.05	0.00	0.00	0.00
188.10	100.00	0.00	0.00	256.30	22000.00	264.59	2235.16	266.96	320.46	0.00	0.00	0.00
188.10	100.00	0.00	0.00	256.30	22000.00	265.68	2955.17	267.34	321.00	172.00	493.00	0.00
188.10	100.00	0.00	0.00	256.30	1200.00	258.92	169.29	259.18	163.12	0.00	0.00	0.00
188.10	100.00	0.00	0.00	256.30	50000.00	268.19	4915.11	272.60	346.57	0.00	0.00	0.00
188.10	100.00	0.00	0.00	256.30	12000.00	263.11	1421.51	264.39	309.14	0.00	0.00	0.00
188.20	80.00	0.00	0.00	256.30	22000.00	265.23	1902.08	268.00	308.56	0.00	0.00	0.00
188.20	80.00	0.00	0.00	256.30	22000.00	265.75	2167.14	268.15	297.19	150.00	450.00	0.00
188.20	80.00	0.00	0.00	256.30	1200.00	260.14	94.28	260.70	189.58	0.00	0.00	0.00
188.20	80.00	0.00	0.00	256.30	50000.00	269.24	4755.22	273.83	327.11	0.00	0.00	0.00
188.20	80.00	0.00	0.00	256.30	12000.00	263.56	1047.71	265.27	300.79	0.00	0.00	0.00
189.00	100.00	0.00	0.00	258.20	22000.00	267.51	3695.07	268.77	323.47	0.00	0.00	0.00
189.00	100.00	0.00	0.00	258.20	22000.00	267.52	3643.60	268.83	295.00	175.00	470.00	0.00
189.00	100.00	0.00	0.00	258.20	1200.00	260.99	322.28	261.07	277.90	0.00	0.00	0.00
189.00	100.00	0.00	0.00	258.20	50000.00	272.29	8097.03	274.66	355.62	0.00	0.00	0.00
189.00	100.00	0.00	0.00	258.20	12000.00	265.19	2142.04	265.94	307.32	0.00	0.00	0.00
190.00	270.00	0.00	0.00	258.90	22000.00	267.68	2520.60	270.55	202.42	0.00	0.00	0.00
190.00	270.00	0.00	0.00	258.90	22000.00	267.77	2565.99	270.58	202.73	185.00	395.00	0.00
190.00	270.00	0.00	0.00	258.90	1200.00	261.37	293.94	261.49	181.27	0.00	0.00	0.00
190.00	270.00	0.00	0.00	258.90	50000.00	272.14	5106.95	278.27	217.32	0.00	0.00	0.00
190.00	270.00	0.00	0.00	258.90	12000.00	265.74	1645.89	267.19	195.92	0.00	0.00	0.00
190.10	80.00	0.00	0.00	259.00	22000.00	269.04	2097.46	273.25	165.22	0.00	0.00	0.00
190.10	80.00	0.00	0.00	259.00	22000.00	269.04	2095.05	273.25	165.20	0.00	0.00	0.00
190.10	80.00	0.00	0.00	259.00	1200.00	261.45	80.53	262.11	145.20	0.00	0.00	0.00
190.10	80.00	0.00	0.00	259.00	50000.00	275.38	5319.89	282.18	181.89	0.00	0.00	0.00
190.10	80.00	0.00	0.00	259.00	12000.00	266.11	1058.82	269.01	157.48	0.00	0.00	0.00
191.00	170.00	0.00	0.00	259.00	22000.00	270.38	2016.05	275.49	119.17	0.00	0.00	0.00
191.00	170.00	0.00	0.00	259.00	22000.00	270.38	2016.15	275.49	119.17	0.00	0.00	0.00
191.00	170.00	0.00	0.00	259.00	1200.00	262.66	302.30	262.83	102.09	0.00	0.00	0.00
191.00	170.00	0.00	0.00	259.00	50000.00	278.06	4851.89	286.13	136.18	0.00	0.00	0.00
191.00	170.00	0.00	0.00	259.00	12000.00	268.25	1422.58	270.65	114.46	0.00	0.00	0.00
192.00	160.00	0.00	0.00	259.10	22000.00	278.94	1965.40	285.88	75.92	0.00	0.00	0.00
192.00	160.00	0.00	0.00	259.10	22000.00	278.94	1965.40	285.88	75.92	0.00	0.00	0.00
192.00	160.00	0.00	0.00	259.10	1200.00	262.57	90.70	264.26	37.44	0.00	0.00	0.00
192.00	160.00	0.00	0.00	259.10	50000.00	289.49	4648.69	299.46	100.90	0.00	0.00	0.00
192.00	160.00	0.00	0.00	259.10	12000.00	273.31	1037.56	278.59	62.62	0.00	0.00	0.00

SECTION NUMBER	CHANNEL LENGTH	MIN EL OF ROADWAY	MAX EL OF LOW CHORD	MIN EL GROUND	DISCHARGE (CFS)	CWSEL	TQ	EG	TOPWID	STENCL	STENCR	WSELK
193.00	210.00	0.00	0.00	273.30	22000.00	286.41	2023.54	290.93	144.98	0.00	0.00	0.00
193.00	210.00	0.00	0.00	273.30	22000.00	286.41	2023.54	290.93	144.98	0.00	0.00	0.00
193.00	210.00	0.00	0.00	273.30	1200.00	276.25	85.93	277.23	79.19	0.00	0.00	0.00
193.00	210.00	0.00	0.00	273.30	50000.00	298.13	7859.10	301.46	213.42	0.00	0.00	0.00
193.00	210.00	0.00	0.00	273.30	12000.00	282.84	1055.94	286.22	121.84	0.00	0.00	0.00
194.00	170.00	0.00	0.00	279.00	22000.00	293.66	2027.81	299.30	103.32	0.00	0.00	0.00
194.00	170.00	0.00	0.00	279.00	22000.00	293.66	2027.81	299.30	103.32	0.00	0.00	0.00
194.00	170.00	0.00	0.00	279.00	1200.00	282.11	86.22	283.16	71.38	0.00	0.00	0.00
194.00	170.00	0.00	0.00	279.00	50000.00	302.25	4871.30	310.69	127.08	0.00	0.00	0.00
194.00	170.00	0.00	0.00	279.00	12000.00	289.40	1058.21	293.49	91.53	0.00	0.00	0.00
194.20	250.00	0.00	0.00	280.30	22000.00	297.73	2864.28	301.51	109.23	0.00	0.00	0.00
194.20	250.00	0.00	0.00	280.30	22000.00	297.73	2864.28	301.51	109.23	0.00	0.00	0.00
194.20	250.00	0.00	0.00	280.30	1200.00	285.00	167.71	285.45	75.79	0.00	0.00	0.00
194.20	250.00	0.00	0.00	280.30	50000.00	306.14	6175.62	312.91	125.64	0.00	0.00	0.00
194.20	250.00	0.00	0.00	280.30	12000.00	293.18	1563.59	295.74	100.38	0.00	0.00	0.00
195.00	190.00	0.00	0.00	281.30	22000.00	298.13	2128.47	304.26	93.91	0.00	0.00	0.00
195.00	190.00	0.00	0.00	281.30	22000.00	298.13	2128.47	304.26	93.91	0.00	0.00	0.00
195.00	190.00	0.00	0.00	281.30	1200.00	285.95	143.96	286.66	52.16	0.00	0.00	0.00
195.00	190.00	0.00	0.00	281.30	50000.00	307.47	5165.68	316.74	115.34	0.00	0.00	0.00
195.00	190.00	0.00	0.00	281.30	12000.00	293.48	1083.89	297.94	83.23	0.00	0.00	0.00
196.00	160.00	0.00	0.00	282.30	22000.00	303.91	2142.46	310.31	89.20	0.00	0.00	0.00
196.00	160.00	0.00	0.00	282.30	22000.00	303.91	2142.46	310.31	89.20	0.00	0.00	0.00
196.00	160.00	0.00	0.00	282.30	1200.00	288.70	91.20	290.31	36.84	0.00	0.00	0.00
196.00	160.00	0.00	0.00	282.30	50000.00	313.61	5107.61	322.71	119.24	0.00	0.00	0.00
196.00	160.00	0.00	0.00	282.30	12000.00	298.76	1122.21	303.61	73.27	0.00	0.00	0.00
197.00	210.00	0.00	0.00	293.60	22000.00	311.20	2122.12	316.70	113.79	0.00	0.00	0.00
197.00	210.00	0.00	0.00	293.60	22000.00	311.20	2122.12	316.70	113.79	0.00	0.00	0.00
197.00	210.00	0.00	0.00	293.60	1200.00	299.12	89.93	300.54	45.51	0.00	0.00	0.00
197.00	210.00	0.00	0.00	293.60	50000.00	319.22	5366.33	328.15	128.26	0.00	0.00	0.00
197.00	210.00	0.00	0.00	293.60	12000.00	307.45	1084.48	311.25	104.78	0.00	0.00	0.00
198.00	180.00	0.00	0.00	300.70	22000.00	316.21	2123.04	321.20	128.03	0.00	0.00	0.00
198.00	180.00	0.00	0.00	300.70	22000.00	316.21	2123.04	321.20	128.03	0.00	0.00	0.00
198.00	180.00	0.00	0.00	300.70	1200.00	305.03	88.73	306.25	56.59	0.00	0.00	0.00
198.00	180.00	0.00	0.00	300.70	50000.00	323.46	5267.29	331.57	147.96	0.00	0.00	0.00
198.00	180.00	0.00	0.00	300.70	12000.00	312.32	1086.62	316.03	109.80	0.00	0.00	0.00
199.00	580.00	0.00	0.00	311.40	22000.00	329.99	2070.92	335.80	103.95	0.00	0.00	0.00
199.00	580.00	0.00	0.00	311.40	22000.00	329.99	2070.92	335.80	103.95	0.00	0.00	0.00
199.00	580.00	0.00	0.00	311.40	1200.00	315.91	91.44	317.52	37.37	0.00	0.00	0.00
199.00	580.00	0.00	0.00	311.40	50000.00	338.71	5183.74	347.41	130.50	0.00	0.00	0.00
199.00	580.00	0.00	0.00	311.40	12000.00	325.72	1062.75	329.91	88.54	0.00	0.00	0.00

SECTION NUMBER	CHANNEL LENGTH	MIN EL OF ROADWAY	MAX EL OF LOW CHORD	MIN EL GROUND	DISCHARGE (CFS)	CASEL	TQ	EG	TOPWID	STENCL	STENCR	WSELK
200.00	480.00	0.00	0.00	326.80	22000.00	339.68	1996.55	344.06	163.93	0.00	0.00	0.00
200.00	480.00	0.00	0.00	326.80	22000.00	339.88	1996.55	344.06	163.93	0.00	0.00	0.00
200.00	480.00	0.00	0.00	326.80	1200.00	330.75	82.97	331.65	93.04	0.00	0.00	0.00
200.00	480.00	0.00	0.00	326.80	50000.00	345.97	4904.43	352.37	205.75	0.00	0.00	0.00
200.00	480.00	0.00	0.00	326.80	12000.00	336.65	1037.09	339.75	140.06	0.00	0.00	0.00
201.00	360.00	0.00	0.00	330.00	22000.00	345.17	2029.55	349.55	149.79	0.00	0.00	0.00
201.00	360.00	0.00	0.00	330.00	22000.00	345.17	2029.55	349.55	149.79	0.00	0.00	0.00
201.00	360.00	0.00	0.00	330.00	1200.00	335.25	140.76	335.83	73.08	0.00	0.00	0.00
201.00	360.00	0.00	0.00	330.00	50000.00	351.98	5156.57	358.26	222.80	0.00	0.00	0.00
201.00	360.00	0.00	0.00	330.00	12000.00	341.53	1046.73	344.91	123.18	0.00	0.00	0.00
202.00	480.00	0.00	0.00	331.00	22000.00	351.15	3145.39	353.25	206.66	0.00	0.00	0.00
202.00	480.00	0.00	0.00	331.00	22000.00	351.15	3145.39	353.25	206.66	0.00	0.00	0.00
202.00	480.00	0.00	0.00	331.00	1200.00	337.98	185.24	338.44	63.31	0.00	0.00	0.00
202.00	480.00	0.00	0.00	331.00	50000.00	358.35	8113.01	361.31	267.68	0.00	0.00	0.00
202.00	480.00	0.00	0.00	331.00	12000.00	347.09	1745.12	346.64	150.31	0.00	0.00	0.00
203.00	290.00	0.00	0.00	333.10	22000.00	353.04	6107.86	354.00	228.94	0.00	0.00	0.00
203.00	290.00	0.00	0.00	333.10	22000.00	353.04	6107.86	354.00	228.94	0.00	0.00	0.00
203.00	290.00	0.00	0.00	333.10	1200.00	337.21	213.47	339.51	89.91	0.00	0.00	0.00
203.00	290.00	0.00	0.00	333.10	50000.00	360.13	12362.97	362.09	248.89	0.00	0.00	0.00
203.00	290.00	0.00	0.00	333.10	12000.00	348.71	3291.43	349.38	216.78	0.00	0.00	0.00
204.00	420.00	0.00	0.00	334.20	22000.00	353.80	2278.86	358.50	141.46	0.00	0.00	0.00
204.00	420.00	0.00	0.00	334.20	22000.00	353.80	2278.86	358.50	141.46	0.00	0.00	0.00
204.00	420.00	0.00	0.00	334.20	1200.00	340.81	129.34	341.76	41.17	0.00	0.00	0.00
204.00	420.00	0.00	0.00	334.20	50000.00	360.71	5255.13	367.74	164.15	0.00	0.00	0.00
204.00	420.00	0.00	0.00	334.20	12000.00	350.28	1265.77	353.78	127.56	0.00	0.00	0.00
204.10	120.00	0.00	0.00	338.00	22000.00	357.60	4315.04	359.32	164.97	0.00	0.00	0.00
204.10	120.00	0.00	0.00	338.00	22000.00	357.60	4315.04	359.32	164.97	0.00	0.00	0.00
204.10	120.00	0.00	0.00	338.00	1200.00	342.07	99.63	343.11	57.45	0.00	0.00	0.00
204.10	120.00	0.00	0.00	338.00	50000.00	365.58	9282.32	368.68	205.83	0.00	0.00	0.00
204.10	120.00	0.00	0.00	338.00	12000.00	353.40	2523.24	354.49	147.17	0.00	0.00	0.00
205.00	280.00	0.00	0.00	344.50	22000.00	357.23	2108.09	361.45	160.59	0.00	0.00	0.00
205.00	280.00	0.00	0.00	344.50	22000.00	357.23	2108.09	361.45	160.59	0.00	0.00	0.00
205.00	280.00	0.00	0.00	344.50	1200.00	347.30	89.28	348.49	58.01	0.00	0.00	0.00
205.00	280.00	0.00	0.00	344.50	50000.00	365.61	6366.46	370.30	208.97	0.00	0.00	0.00
205.00	280.00	0.00	0.00	344.50	12000.00	354.15	1118.13	357.17	145.79	0.00	0.00	0.00
206.00	250.00	0.00	0.00	344.60	22000.00	363.11	2635.77	367.32	195.23	0.00	0.00	0.00
206.00	250.00	0.00	0.00	344.60	22000.00	363.11	2635.77	367.32	195.23	0.00	0.00	0.00
206.00	250.00	0.00	0.00	344.60	1200.00	350.67	131.28	351.48	53.13	0.00	0.00	0.00
206.00	250.00	0.00	0.00	344.60	50000.00	369.20	6126.90	374.91	246.03	0.00	0.00	0.00
206.00	250.00	0.00	0.00	344.60	12000.00	358.67	1228.27	362.50	122.85	0.00	0.00	0.00

	SECTION NUMBER	CHANNEL LENGTH	MIN EL OF ROADWAY	MAX EL OF LOW CHORD	MIN EL GROUND	DISCHARGE (CFS)	CWSEL	TQ	EG	TOPWID	STENCL	STENCR	WSELK
100	207.00	370.00	0.00	0.00	358.80	22000.00	371.54	1988.20	375.24	196.05	0.00	0.00	0.00
fw	207.00	370.00	0.00	0.00	358.80	22000.00	371.54	1988.20	375.24	196.05	0.00	0.00	0.00
10	207.00	370.00	0.00	0.00	358.80	1200.00	364.45	115.49	365.23	105.35	0.00	0.00	0.00
500	207.00	370.00	0.00	0.00	358.80	50000.00	377.10	5120.72	382.88	238.37	0.00	0.00	0.00
50	207.00	370.00	0.00	0.00	358.80	12000.00	369.02	1051.30	371.59	186.37	0.00	0.00	0.00
	207.10	180.00	0.00	0.00	359.50	22000.00	373.17	2288.92	377.53	160.87	0.00	0.00	0.00
	207.10	180.00	0.00	0.00	359.50	22000.00	373.17	2288.92	377.53	160.87	0.00	0.00	0.00
	207.10	180.00	0.00	0.00	359.50	1200.00	365.54	408.06	365.67	92.46	0.00	0.00	0.00
	207.10	180.00	0.00	0.00	359.50	50000.00	379.80	5757.30	385.95	218.12	0.00	0.00	0.00
	207.10	180.00	0.00	0.00	359.50	12000.00	370.87	1541.24	373.16	135.97	0.00	0.00	0.00
	207.20	250.00	0.00	0.00	361.00	22000.00	377.48	4464.28	378.89	225.29	0.00	0.00	0.00
	207.20	250.00	0.00	0.00	361.00	22000.00	377.48	4464.28	378.89	225.29	0.00	0.00	0.00
	207.20	250.00	0.00	0.00	361.00	1200.00	365.73	126.10	366.32	98.33	0.00	0.00	0.00
	207.20	250.00	0.00	0.00	361.00	50000.00	384.94	10524.53	387.28	255.15	0.00	0.00	0.00
	207.20	250.00	0.00	0.00	361.00	12000.00	373.26	2176.11	374.32	199.10	0.00	0.00	0.00
	208.00	650.00	0.00	0.00	360.50	22000.00	379.15	9604.10	379.60	300.70	0.00	0.00	0.00
	208.00	650.00	0.00	0.00	360.50	22000.00	379.15	9604.10	379.60	300.70	0.00	0.00	0.00
	208.00	650.00	0.00	0.00	360.50	1200.00	366.66	969.53	366.68	216.98	0.00	0.00	0.00
	208.00	650.00	0.00	0.00	360.50	50000.00	387.22	19737.05	388.11	330.41	0.00	0.00	0.00
	208.00	650.00	0.00	0.00	360.50	12000.00	374.73	5558.55	375.01	276.42	0.00	0.00	0.00

SECTION NUMBER	DISCHARGE CFS	CWSEL	CWSEL DIFF EACH Q	CWSEL DIFF EACH SECTION	CWSEL-WSELK	TOPWID	T.W. DIFF	LENGTH
102.200	22000.000	11.000	0.000	0.000	0.000	2902.250	0.000	0.000
102.200	22000.000	11.000	0.000	0.000	0.000	1830.341	1071.909	0.000
102.200	1200.000	6.600	-4.400	0.000	0.000	350.347	2551.903	0.000
102.200	50000.000	12.600	6.000	0.000	0.000	3560.704	-658.453	0.000
102.200	12000.000	10.100	-2.500	0.000	0.000	2650.133	252.117	0.000
102.300	22000.000	11.821	0.000	.821	0.000	2803.403	0.000	200.000
102.300	22000.000	12.556	.735	1.556	0.000	1858.154	945.249	200.000
102.300	1200.000	7.165	-5.390	.565	0.000	233.038	2570.365	200.000
102.300	50000.000	13.633	6.468	1.033	0.000	3046.166	-242.763	200.000
102.300	12000.000	10.762	-2.871	.662	0.000	2140.445	662.959	200.000
102.400	22000.000	12.621	0.000	1.000	0.000	3395.990	0.000	860.000
102.400	22000.000	13.778	.957	1.222	0.000	1819.752	1576.237	860.000
102.400	1200.000	7.814	-5.964	.649	0.000	556.311	2839.679	860.000
102.400	50000.000	14.818	7.004	1.185	0.000	3532.323	-136.334	860.000
102.400	12000.000	11.669	-3.149	.907	0.000	3263.581	132.408	860.000
103.000	22000.000	12.970	0.000	.148	0.000	3547.552	0.000	330.000
103.000	22000.000	13.913	.944	.135	0.000	2109.886	1437.666	330.000
103.000	1200.000	7.919	-5.995	.105	0.000	678.278	2869.274	330.000
103.000	50000.000	14.998	7.079	.179	0.000	3984.448	-436.896	330.000
103.000	12000.000	11.795	-3.202	.126	0.000	2489.262	1058.290	330.000
104.000	22000.000	14.075	0.000	1.105	0.000	3283.801	0.000	1100.000
104.000	22000.000	14.610	.535	.6 6	0.000	1803.592	1480.209	1100.000
104.000	1200.000	11.505	-3.105	3.586	0.000	733.728	2550.074	1100.000
104.000	50000.000	15.906	4.401	.908	0.000	5244.169	-1960.367	1100.000
104.000	12000.000	13.031	-2.875	1.236	0.000	1875.052	1408.749	1100.000
104.100	22000.000	16.017	0.000	1.943	0.000	3166.081	0.000	1230.000
104.100	22000.000	16.725	.708	2.115	0.000	1761.999	1404.082	1230.000
104.100	1200.000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

104.100	12000.000	15.115	-2.461	[illegible]	0.000	3137.884	28.196	1230.000
105.000	22000.000	17.144	0.000	1.126	0.000	477.598	0.000	320.000
105.000	22000.000	17.173	.030	.449	0.000	479.774	-2.176	320.000
105.000	1200.000	12.554	-4.619	.232	0.000	255.301	222.297	320.000
105.000	50000.000	20.011	7.457	2.435	0.000	641.000	-163.402	320.000
105.000	12000.000	15.462	-4.549	.347	0.000	388.393	89.204	320.000
107.000	22000.000	18.432	0.000	1.259	17.432	721.999	0.000	230.000
107.000	22000.000	18.433	.000	1.259	17.433	721.999	-.000	230.000
107.000	1200.000	13.145	-5.288	.590	12.145	535.341	186.658	230.000
107.000	50000.000	25.139	11.995	5.128	24.139	4066.767	-3344.767	230.000
107.000	12000.000	16.281	-8.858	.819	15.281	682.149	39.851	230.000
108.000	22000.000	21.777	0.000	3.344	0.000	641.382	0.000	830.000
108.000	22000.000	21.777	-.000	3.344	0.000	641.376	.005	830.000
108.000	1200.000	16.440	-5.337	3.205	0.000	219.887	421.494	830.000
108.000	50000.000	27.085	10.645	1.926	0.000	659.999	-18.617	830.000
108.000	12000.000	20.347	-6.738	4.066	0.000	566.985	74.397	830.000
109.000	22000.000	23.555	0.000	1.778	0.000	359.999	0.000	250.000
109.000	22000.000	23.555	-.000	1.778	0.000	359.999	0.000	250.000
109.000	1200.000	19.102	-4.452	2.662	0.000	267.424	92.575	250.000
109.000	50000.000	27.097	7.995	.012	0.000	359.999	-.000	250.000
109.000	12000.000	22.079	-5.018	1.732	0.000	359.999	.000	250.000
110.000	22000.000	25.834	0.000	2.280	0.000	320.000	0.000	40.000
110.000	22000.000	25.840	.006	2.285	0.000	320.000	0.000	40.000
110.000	1200.000	19.759	-6.081	.617	0.000	308.531	11.469	40.000
110.000	50000.000	30.071	10.311	2.974	0.000	320.000	0.000	40.000
110.000	12000.000	23.656	-6.414	1.577	0.000	320.000	0.000	40.000
112.000	22000.000	26.709	0.000	.874	0.000	304.000	0.000	110.000
112.000	22000.000	26.709	-.000	.889	0.000	304.000	0.000	110.000
112.000	1200.000	19.772	-6.937	.012	0.000	221.178	82.822	110.000
112.000	50000.000	33.522	13.750	3.451	0.000	304.000	0.000	110.000
112.000	12000.000	24.107	-9.415	.450	0.000	304.000	0.000	110.000
113.000	22000.000	28.595	0.000	1.886	0.000	3155.298	0.000	100.000
113.000	22000.000	28.194	-.401	1.485	0.000	439.999	2715.299	100.000
113.000	1200.000	20.370	-7.824	.588	0.000	157.658	2997.640	100.000
113.000	50000.000	36.276	15.906	2.754	0.000	3410.625	-255.327	100.000
113.000	12000.000	25.385	-10.891	1.278	0.000	2953.586	201.712	100.000
113.100	22000.000	28.607	0.000	.012	0.000	2880.191	0.000	280.000
113.100	22000.000	28.732	.125	.538	0.000	739.999	2140.192	280.000
113.100	1200.000	21.678	-7.055	1.308	0.000	132.056	2748.135	280.000
113.100	50000.000	36.281	14.603	.005	0.000	3190.001	-309.810	280.000
113.100	12000.000	25.405	-10.876	.020	0.000	2263.998	616.193	280.000
114.000	22000.000	28.661	0.000	.054	0.000	2747.307	0.000	400.000
114.000	22000.000	29.355	.694	.622	0.000	1019.999	1727.308	400.000
114.000	1200.000	22.265	-7.090	.587	0.000	762.736	1984.571	400.000
114.000	50000.000	36.298	14.033	.017	0.000	3457.037	-709.730	400.000
114.000	12000.000	25.535	-10.763	.130	0.000	2081.378	665.928	400.000
115.000	22000.000	28.738	0.000	.078	0.000	2288.770	0.000	330.000
115.000	22000.000	29.542	.804	.198	0.000	1224.999	1063.771	330.000
115.000	1200.000	22.355	-7.187	.090	0.000	362.702	1926.069	330.000
115.000	50000.000	36.314	13.959	.016	0.000	3385.989	-1097.219	330.000
115.000	12000.000	25.763	-10.551	.228	0.000	1776.360	512.410	330.000
116.000	22000.000	30.618	0.000	1.880	0.000	2442.272	0.000	400.000
116.000	22000.000	30.745	.127	1.203	0.000	1243.270	1199.002	400.000
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

116.000	12000.000	30.[illegible]	-5.[illegible]	4.[illegible]	0.000	2472.465	-30.193	400.000
117.000	22000.000	31.067	0.000	.4[illegible]	0.000	2105.688	0.000	320.000
117.000	22000.000	31.599	.532	.5[illegible]	0.000	1073.590	1032.098	320.000
117.000	1200.000	28.016	-3.583	3.345	0.000	824.080	1281.607	320.000
117.000	50000.000	36.412	8.396	.0[illegible]4	0.000	3321.975	-1216.287	320.000
117.000	12000.000	30.816	-5.596	.1[illegible]6	0.000	2084.563	21.125	320.000
118.000	22000.000	32.154	0.000	1.0[illegible]7	0.000	1707.708	0.000	340.000
118.000	22000.000	33.142	.988	1.5[illegible]4	0.000	1374.488	333.220	340.000
118.000	1200.000	28.336	-4.806	.3[illegible]0	0.000	541.172	1166.536	340.000
118.000	50000.000	36.583	8.247	.171	0.000	2647.158	-939.450	340.000
118.000	12000.000	31.309	-5.274	.494	0.000	1671.043	36.665	340.000
119.000	22000.000	34.225	0.000	2.0[illegible]1	0.000	1073.244	0.000	1110.000
119.000	22000.000	35.064	.839	1.9[illegible]2	0.000	450.510	622.733	1110.000
119.000	1200.000	29.451	-5.613	1.115	0.000	530.359	542.885	1110.000
119.000	50000.000	37.475	8.023	.842	0.000	1146.142	-72.899	1110.000
119.000	12000.000	32.844	-4.631	1.5[illegible]5	0.000	990.116	83.127	1110.000
121.000	22000.000	34.357	0.000	.1[illegible]2	0.000	428.925	0.000	95.000
121.000	22000.000	35.505	1.149	.441	0.000	431.952	-3.027	95.000
121.000	1200.000	29.460	-6.046	.008	0.000	177.454	251.471	95.000
121.000	50000.000	42.046	12.586	4.572	0.000	2734.984	-2306.059	95.000
121.000	12000.000	32.913	-9.133	.069	0.000	425.120	3.805	95.000
122.000	22000.000	37.502	0.000	3.1[illegible]6	0.000	1485.086	0.000	650.000
122.000	22000.000	37.669	.166	2.1[illegible]3	0.000	997.448	487.638	650.000
122.000	1200.000	33.278	-4.390	3.819	0.000	111.706	1373.380	650.000
122.000	50000.000	42.275	8.997	.229	0.000	1848.821	-363.735	650.000
122.000	12000.000	35.165	-7.110	2.2[illegible]2	0.000	711.989	773.097	650.000
123.000	22000.000	37.860	0.000	.3[illegible]8	0.000	1392.216	0.000	850.000
123.000	22000.000	38.059	.199	.3[illegible]0	0.000	1109.999	282.217	850.000
123.000	1200.000	33.537	-4.521	.2[illegible]9	0.000	673.460	718.756	850.000
123.000	50000.000	42.590	9.053	.315	0.000	1573.970	-181.754	850.000
123.000	12000.000	35.546	-7.044	.361	0.000	1325.873	66.343	850.000
124.000	22000.000	38.045	0.000	.1[illegible]5	0.000	1295.238	0.000	900.000
124.000	22000.000	38.285	.240	.2[illegible]7	0.000	934.999	360.239	900.000
124.000	1200.000	33.547	-4.739	.009	0.000	1232.946	62.292	900.000
124.000	50000.000	42.801	9.254	.210	0.000	1321.287	-26.049	900.000
124.000	12000.000	35.700	-7.101	.1[illegible]4	0.000	1289.709	5.529	900.000
125.000	22000.000	38.131	0.000	.0[illegible]6	0.000	1405.732	0.000	550.000
125.000	22000.000	38.432	.301	.1[illegible]6	0.000	916.999	488.733	550.000
125.000	1200.000	33.549	-4.883	.002	0.000	1344.212	61.520	550.000
125.000	50000.000	42.919	9.371	.119	0.000	1450.622	-44.890	550.000
125.000	12000.000	35.765	-7.154	.065	0.000	1389.339	16.394	550.000
125.100	22000.000	38.162	0.000	.0[illegible]1	0.000	1214.798	0.000	260.000
125.100	22000.000	38.500	.338	.0[illegible]8	0.000	669.999	544.799	260.000
125.100	1200.000	33.550	-4.950	.001	0.000	837.147	377.651	260.000
125.100	50000.000	42.951	9.401	.0[illegible]1	0.000	1250.546	-35.748	260.000
125.100	12000.000	35.789	-7.162	.0[illegible]4	0.000	917.103	297.694	260.000
126.000	22000.000	40.665	0.000	2.5[illegible]3	0.000	403.000	0.000	310.000
126.000	22000.000	40.665	-.000	2.165	0.000	403.000	0.000	310.000
126.000	1200.000	34.814	-5.851	1.264	0.000	115.756	287.244	310.000
126.000	50000.000	43.954	9.140	1.003	0.000	403.000	0.000	310.000
126.000	12000.000	38.930	-5.024	3.161	0.000	346.293	56.707	310.000
128.000	22000.000	42.108	0.000	1.443	0.000	436.279	0.000	84.000
128.000	22000.000	42.108	.000	1.444	0.000	436.280	-.001	84.000
128.000	1200.000	35.[illegible]	-6.[illegible]	[illegible]	0.000	[illegible]	[illegible]	[illegible]

128.000	12000.000	39.947	-6.301	1.017	0.000	426.791	9.488	84.000
128.100	22000.000	43.173	0.000	1.045	0.000	1050.785	0.000	100.000
128.100	22000.000	42.823	-.350	.715	0.000	475.999	574.786	100.000
128.100	1200.000	36.048	-6.775	.587	0.000	304.051	746.734	100.000
128.100	50000.000	48.548	12.500	1.700	0.000	1249.799	-199.015	100.000
128.100	12000.000	40.771	-7.777	.824	0.000	768.669	282.116	100.000
129.000	22000.000	43.523	0.000	.349	0.000	1072.121	0.000	380.000
129.000	22000.000	43.848	.325	1.025	0.000	539.999	532.122	380.000
129.000	1200.000	37.059	-6.789	1.012	0.000	116.798	955.323	380.000
129.000	50000.000	48.771	11.712	.223	0.000	1261.257	-189.136	380.000
129.000	12000.000	41.155	-7.617	.383	0.000	927.692	144.429	380.000
130.000	22000.000	44.024	0.000	.501	0.000	855.849	0.000	830.000
130.000	22000.000	45.015	.990	1.167	0.000	503.221	352.628	830.000
130.000	1200.000	38.164	-6.850	1.105	0.000	205.657	650.192	830.000
130.000	50000.000	49.170	11.005	.399	0.000	1141.429	-285.580	830.000
130.000	12000.000	41.720	-7.450	.565	0.000	437.985	417.865	830.000
131.000	22000.000	46.251	0.000	2.227	0.000	986.260	0.000	1050.000
131.000	22000.000	46.848	.598	1.834	0.000	674.999	311.261	1050.000
131.000	1200.000	38.830	-8.018	.666	0.000	201.361	784.899	1050.000
131.000	50000.000	50.406	11.576	1.237	0.000	1105.693	-119.433	1050.000
131.000	12000.000	44.097	-6.309	2.377	0.000	909.007	77.254	1050.000
132.000	22000.000	46.791	0.000	.540	0.000	850.494	0.000	510.000
132.000	22000.000	46.754	-.037	-.045	0.000	454.999	395.495	510.000
132.000	1200.000	41.518	-5.236	2.688	0.000	205.262	645.232	510.000
132.000	50000.000	50.776	9.258	.389	0.000	1049.701	-199.207	510.000
132.000	12000.000	44.857	-6.919	.760	0.000	616.732	233.762	510.000
133.000	22000.000	52.729	0.000	5.938	0.000	473.434	0.000	700.000
133.000	22000.000	53.424	.695	6.670	0.000	454.999	18.435	700.000
133.000	1200.000	47.713	-5.711	6.185	0.000	181.558	291.876	700.000
133.000	50000.000	55.640	7.926	4.864	0.000	519.335	-45.901	700.000
133.000	12000.000	51.224	-4.416	6.367	0.000	427.165	46.269	700.000
133.100	22000.000	55.093	0.000	2.364	0.000	519.560	0.000	200.000
133.100	22000.000	55.135	.042	1.711	0.000	461.999	57.561	200.000
133.100	1200.000	48.620	-6.515	.937	0.000	43.789	475.771	200.000
133.100	50000.000	58.942	10.322	3.302	0.000	736.137	-216.578	200.000
133.100	12000.000	53.068	-5.874	1.844	0.000	465.444	54.116	200.000
133.200	22000.000	55.755	0.000	.662	0.000	510.934	0.000	280.000
133.200	22000.000	55.824	.069	.669	0.000	446.999	63.935	280.000
133.200	1200.000	50.194	-5.630	1.574	0.000	328.127	182.808	280.000
133.200	50000.000	59.752	9.558	.810	0.000	677.919	-166.985	280.000
133.200	12000.000	53.599	-6.153	.531	0.000	489.061	21.874	280.000
134.000	22000.000	56.019	0.000	.254	0.000	480.726	0.000	240.000
134.000	22000.000	56.081	.062	.217	0.000	409.501	71.224	240.000
134.000	1200.000	50.194	-5.887	-.000	0.000	196.383	284.343	240.000
134.000	50000.000	60.085	9.892	.333	0.000	824.012	-343.286	240.000
134.000	12000.000	53.826	-6.260	.226	0.000	424.592	56.133	240.000
134.100	22000.000	56.894	0.000	.875	0.000	429.722	0.000	210.000
134.100	22000.000	57.088	.194	1.007	0.000	414.495	15.227	210.000
134.100	1200.000	51.574	-5.514	1.380	0.000	176.548	253.174	210.000
134.100	50000.000	60.654	9.080	.569	0.000	679.828	-250.106	210.000
134.100	12000.000	55.180	-5.474	1.354	0.000	371.117	58.606	210.000
135.000	22000.000	58.982	0.000	2.087	0.000	517.881	0.000	170.000
135.000	22000.000	58.399	-.583	1.311	0.000	381.999	135.882	170.000

135.000	12000.000	56.897	-5.560	.717	0.000	464.338	53.543	170.000
136.000	22000.000	61.637	0.000	.656	0.000	627.892	0.000	520.000
136.000	22000.000	62.569	.931	4.170	0.000	441.999	185.893	520.000
136.000	1200.000	55.662	-6.906	2.991	0.000	86.799	541.093	520.000
136.000	50000.000	64.926	9.264	2.389	0.000	764.415	-136.523	520.000
136.000	12000.000	59.991	-4.935	3.045	0.000	546.891	81.001	520.000
137.000	22000.000	65.999	0.000	4.382	0.000	542.065	0.000	440.000
137.000	22000.000	66.596	.597	4.047	0.000	429.999	112.066	440.000
137.000	1200.000	60.761	-5.835	5.089	0.000	84.257	457.808	440.000
137.000	50000.000	68.701	7.940	3.775	0.000	575.972	-33.907	440.000
137.000	12000.000	65.176	-3.525	3.115	0.000	531.731	10.335	440.000
138.000	22000.000	74.363	0.000	9.354	0.000	628.349	0.000	860.000
138.000	22000.000	75.163	.800	8.567	0.000	594.999	33.350	860.000
138.000	1200.000	68.197	-6.966	7.436	0.000	154.507	473.842	860.000
138.000	50000.000	77.265	9.067	8.564	0.000	851.377	-223.028	860.000
138.000	12000.000	72.048	-5.216	6.872	0.000	360.858	267.491	860.000
138.100	22000.000	75.381	0.000	1.018	0.000	705.513	0.000	70.000
138.100	22000.000	76.284	.903	1.121	0.000	585.999	119.514	70.000
138.100	1200.000	68.842	-7.442	.645	0.000	211.921	493.592	70.000
138.100	50000.000	78.403	9.561	1.139	0.000	833.584	-128.071	70.000
138.100	12000.000	73.338	-5.066	1.289	0.000	660.659	44.855	70.000
138.300	22000.000	75.963	0.000	.582	0.000	870.116	0.000	220.000
138.300	22000.000	76.639	.676	.355	0.000	609.999	260.117	220.000
138.300	1200.000	68.992	-7.647	.150	0.000	126.210	743.907	220.000
138.300	50000.000	79.366	10.374	.983	0.000	958.606	-88.490	220.000
138.300	12000.000	73.817	-5.549	.480	0.000	825.102	45.014	220.000
139.000	22000.000	75.854	0.000	-.109	0.000	686.375	0.000	90.000
139.000	22000.000	76.553	.699	-.086	0.000	571.936	114.439	90.000
139.000	1200.000	71.469	-5.084	2.477	0.000	117.206	569.169	90.000
139.000	50000.000	79.000	7.531	-.386	0.000	868.008	-181.633	90.000
139.000	12000.000	74.862	-4.138	1.045	0.000	636.942	49.433	90.000
140.000	22000.000	79.158	0.000	3.304	0.000	487.505	0.000	355.000
140.000	22000.000	79.176	.018	2.622	0.000	441.999	45.506	355.000
140.000	1200.000	73.236	-5.940	1.767	0.000	174.978	312.527	355.000
140.000	50000.000	81.429	8.193	2.429	0.000	598.496	-110.992	355.000
140.000	12000.000	77.476	-3.953	2.615	0.000	439.183	48.322	355.000
141.000	22000.000	80.994	0.000	1.836	0.000	515.391	0.000	470.000
141.000	22000.000	81.017	.023	1.842	0.000	447.999	67.392	470.000
141.000	1200.000	73.978	-7.039	.742	0.000	403.541	111.850	470.000
141.000	50000.000	85.021	11.043	3.592	0.000	569.575	-54.185	470.000
141.000	12000.000	78.841	-6.180	1.385	0.000	473.353	42.038	470.000
142.000	22000.000	81.711	0.000	.717	0.000	313.872	0.000	500.000
142.000	22000.000	81.758	.047	.741	0.000	314.247	-.376	500.000
142.000	1200.000	74.372	-7.387	.394	0.000	255.287	58.585	500.000
142.000	50000.000	85.775	11.403	.754	0.000	346.289	-32.417	500.000
142.000	12000.000	79.445	-6.330	.604	0.000	295.785	18.087	500.000
143.000	22000.000	87.603	0.000	5.842	0.000	430.000	0.000	445.000
143.000	22000.000	87.603	-.000	5.845	0.000	430.000	0.000	445.000
143.000	1200.000	78.800	-8.803	4.428	0.000	362.800	67.200	445.000
143.000	50000.000	95.059	16.259	9.294	0.000	430.000	0.000	445.000
143.000	12000.000	83.968	-11.091	4.523	0.000	430.000	0.000	445.000
144.000	22000.000	88.030	0.000	.426	0.000	650.616	0.000	350.000
144.000	22000.000	88.021	-.009	.417	0.000	622.627	27.989	350.000

144.000	12000.000	85.731	-9.012	[illegible]	0.000	479.792	170.824	350.000
145.000	22000.000	91.593	0.000	3.5[illegible]3	0.000	707.064	0.000	1070.000
145.000	22000.000	91.768	.175	3.747	0.000	554.999	152.065	1070.000
145.000	1200.000	85.321	-6.447	[illegible].458	0.000	431.720	275.344	1070.000
145.000	50000.000	96.677	11.356	1.035	0.000	750.359	-43.295	1070.000
145.000	12000.000	89.816	-6.861	4.006	0.000	669.654	37.410	1070.000
146.000	22000.000	102.518	0.000	13.925	0.000	514.436	0.000	885.000
146.000	22000.000	102.318	-.200	13.[illegible]50	0.000	503.942	10.494	885.000
146.000	1200.000	95.376	-6.942	10.055	0.000	65.182	449.255	885.000
146.000	50000.000	104.998	9.622	[illegible].321	0.000	556.266	-41.830	885.000
146.000	12000.000	101.687	-3.312	11.870	0.000	470.733	43.703	885.000
147.000	22000.000	104.664	0.000	2.147	0.000	896.885	0.000	545.000
147.000	22000.000	104.753	.089	2.435	0.000	634.999	261.886	545.000
147.000	1200.000	96.671	-8.082	1.295	0.000	655.266	241.619	545.000
147.000	50000.000	108.737	12.066	3.738	0.000	1034.396	-137.511	545.000
147.000	12000.000	102.751	-5.986	1.064	0.000	798.638	98.247	545.000
148.000	22000.000	104.786	0.000	.122	0.000	954.504	0.000	370.000
148.000	22000.000	104.888	.102	.135	0.000	599.999	354.505	370.000
148.000	1200.000	96.664	-8.224	-.007	0.000	325.480	629.025	370.000
148.000	50000.000	108.920	12.256	.1[illegible]4	0.000	1011.080	-56.575	370.000
148.000	12000.000	102.825	-6.095	.074	0.000	914.844	39.660	370.000
149.000	22000.000	108.510	0.000	3.724	0.000	794.924	0.000	980.000
149.000	22000.000	109.006	.496	4.118	0.000	513.999	280.925	980.000
149.000	1200.000	104.661	-4.345	7.997	0.000	225.817	569.108	980.000
149.000	50000.000	110.595	5.934	1.675	0.000	807.095	-12.171	980.000
149.000	12000.000	107.465	-3.130	4.640	0.000	738.161	56.763	980.000
149.100	22000.000	112.642	0.000	4.132	0.000	805.734	0.000	600.000
149.100	22000.000	113.328	.686	4.322	0.000	634.999	170.735	600.000
149.100	1200.000	107.467	-5.861	[illegible].806	0.000	339.722	466.012	600.000
149.100	50000.000	115.507	8.040	4.912	0.000	902.250	-96.516	600.000
149.100	12000.000	111.113	-4.394	3.648	0.000	660.095	145.639	600.000
150.000	22000.000	114.021	0.000	1.379	0.000	914.323	0.000	570.000
150.000	22000.000	114.659	.638	1.331	0.000	664.999	249.324	570.000
150.000	1200.000	108.361	-6.298	.865	0.000	456.919	457.404	570.000
150.000	50000.000	117.358	8.996	1.8[illegible]1	0.000	1066.483	-152.160	570.000
150.000	12000.000	112.225	-5.133	1.112	0.000	874.568	39.755	570.000
151.000	22000.000	115.542	0.000	1.521	0.000	1041.948	0.000	1045.000
151.000	22000.000	116.560	1.018	1.901	0.000	713.056	328.892	1045.000
151.000	1200.000	112.492	-4.068	4.131	0.000	364.798	677.150	1045.000
151.000	50000.000	118.935	6.443	1.577	0.000	1140.924	-98.976	1045.000
151.000	12000.000	114.477	-4.458	[illegible].262	0.000	976.431	65.517	1045.000
152.000	22000.000	121.141	0.000	5.599	0.000	673.343	0.000	560.000
152.000	22000.000	122.040	.899	5.479	0.000	571.287	102.056	560.000
152.000	1200.000	118.316	-3.723	5.8[illegible]4	0.000	76.915	596.428	560.000
152.000	50000.000	121.954	3.638	3.019	0.000	1096.357	-423.013	560.000
152.000	12000.000	120.175	-1.779	5.6[illegible]8	0.000	667.001	6.343	560.000
153.000	22000.000	123.145	0.000	2.004	0.000	275.813	0.000	190.000
153.000	22000.000	123.152	.007	1.112	0.000	275.865	-.052	190.000
153.000	1200.000	119.185	-3.967	.8[illegible]9	0.000	229.691	46.122	190.000
153.000	50000.000	125.986	6.801	4.033	0.000	1402.626	-1126.813	190.000
153.000	12000.000	121.166	-4.821	.991	0.000	261.387	14.426	190.000
154.000	22000.000	126.740	0.000	3.5[illegible]5	0.000	1036.010	0.000	345.000
154.000	22000.000	127.003	.263	3.851	0.000	563.859	472.152	345.000
154.000	1200.000	119.755	-7.248	[illegible]	[illegible]	[illegible]	[illegible]	345.000

154.000	12000.000	124.014	-3.454	.[illegible]9	0.000	807.646	228.365	345.000
155.000	22000.000	126.906	0.000	.186	0.000	977.722	0.000	330.000
155.000	22000.000	127.434	.528	.481	0.000	573.999	403.723	330.000
155.000	1200.000	120.559	-6.874	.865	0.000	390.606	587.116	330.000
155.000	50000.000	127.705	7.146	.838	0.000	982.546	-4.824	330.000
155.000	12000.000	124.360	-3.345	.346	0.000	835.660	142.062	330.000
156.000	22000.000	127.176	0.000	.270	0.000	793.656	0.000	300.000
156.000	22000.000	128.209	1.033	.776	0.000	579.999	213.657	300.000
156.000	1200.000	120.773	-7.436	.214	0.000	529.829	263.827	300.000
156.000	50000.000	128.690	7.917	.984	0.000	938.383	-144.727	300.000
156.000	12000.000	124.776	-3.914	.416	0.000	710.314	83.343	300.000
157.000	22000.000	129.601	0.000	2.425	0.000	862.669	0.000	170.000
157.000	22000.000	129.605	.004	1.396	0.000	599.999	262.670	170.000
157.000	1200.000	124.108	-5.497	3.335	0.000	184.725	677.944	170.000
157.000	50000.000	131.450	7.342	2.701	0.000	903.143	-40.474	170.000
157.000	12000.000	127.799	-3.651	3.023	0.000	385.102	477.567	170.000
157.100	22000.000	131.198	0.000	1.597	0.000	852.862	0.000	190.000
157.100	22000.000	131.592	.394	1.987	0.000	629.999	222.863	190.000
157.100	1200.000	125.357	-6.235	1.249	0.000	591.491	261.371	190.000
157.100	50000.000	134.007	8.650	2.557	0.000	887.561	-34.699	190.000
157.100	12000.000	129.757	-4.250	1.958	0.000	840.755	12.107	190.000
158.000	22000.000	131.396	0.000	.198	0.000	862.813	0.000	210.000
158.000	22000.000	131.851	.454	.258	0.000	636.999	225.814	210.000
158.000	1200.000	125.465	-6.386	.108	0.000	550.237	312.575	210.000
158.000	50000.000	134.353	8.888	.346	0.000	893.577	-30.764	210.000
158.000	12000.000	129.886	-4.468	.128	0.000	730.548	132.265	210.000
159.000	22000.000	131.796	0.000	.400	0.000	732.319	0.000	575.000
159.000	22000.000	132.508	.713	.668	0.000	649.999	82.320	575.000
159.000	1200.000	125.524	-6.985	.089	0.000	545.239	187.081	575.000
159.000	50000.000	135.010	9.486	.657	0.000	873.054	-140.735	575.000
159.000	12000.000	130.131	-4.879	.246	0.000	677.476	54.844	575.000
160.000	22000.000	141.441	0.000	9.645	0.000	862.908	0.000	480.000
160.000	22000.000	141.273	-.167	8.765	0.000	454.912	407.996	480.000
160.000	1200.000	136.191	-5.083	10.667	0.000	113.067	749.841	480.000
160.000	50000.000	143.573	7.383	8.563	0.000	1380.338	-517.430	480.000
160.000	12000.000	139.975	-3.598	9.844	0.000	610.436	252.472	480.000
161.000	22000.000	142.345	0.000	.904	0.000	1169.595	0.000	30.000
161.000	22000.000	143.143	.798	1.870	0.000	744.999	424.596	30.000
161.000	1200.000	137.827	-5.316	1.637	0.000	232.377	937.218	30.000
161.000	50000.000	144.538	6.711	.965	0.000	1383.811	-214.217	30.000
161.000	12000.000	140.801	-3.737	.826	0.000	911.239	258.356	30.000
162.000	22000.000	142.934	0.000	.5[illegible]9	0.000	1341.669	0.000	50.000
162.000	22000.000	143.654	.720	.510	0.000	832.999	508.670	50.000
162.000	1200.000	138.360	-5.294	.533	0.000	746.538	595.132	50.000
162.000	50000.000	145.263	6.902	.725	0.000	1472.531	-130.862	50.000
162.000	12000.000	141.507	-3.755	.707	0.000	1122.231	219.438	50.000
163.000	22000.000	143.396	0.000	.462	0.000	1026.166	0.000	1150.000
163.000	22000.000	144.071	.675	.417	0.000	807.999	218.167	1150.000
163.000	1200.000	138.378	-5.693	.018	0.000	715.385	310.781	1150.000
163.000	50000.000	146.146	7.768	.884	0.000	1232.941	-206.775	1150.000
163.000	12000.000	141.784	-4.363	.276	0.000	1014.321	11.845	1150.000
164.000	22000.000	143.528	0.000	.132	0.000	654.985	0.000	960.000
164.000	22000.000	144.060	.533	-.011	0.000	519.999	134.986	960.000
164.000	1200.000	138.343	-5.713	-.014	0.000	415.979	239.107	960.000

164.000	12000.000	141.942	-4.573	.9[illegible]	0.000	633.217	21.768	960.000
165.000	22000.000	145.837	0.000	2.389	0.000	673.956	0.000	750.000
165.000	22000.000	146.446	.609	2.386	0.000	522.999	150.957	750.000
165.000	1200.000	140.385	-6.061	2.043	0.000	296.123	377.833	750.000
165.000	50000.000	149.110	8.725	2.605	0.000	822.413	-148.457	750.000
165.000	12000.000	144.099	-5.011	2.2[illegible]7	0.000	572.673	101.282	750.000
166.000	22000.000	149.253	0.000	3.416	0.000	731.209	0.000	840.000
166.000	22000.000	149.409	.156	2.962	0.000	514.999	216.210	840.000
166.000	1200.000	144.151	-5.258	3.766	0.000	312.888	418.321	840.000
166.000	50000.000	152.352	8.202	3.242	0.000	763.680	-32.471	840.000
166.000	12000.000	147.642	-4.711	3.543	0.000	603.993	127.216	840.000
167.000	22000.000	158.286	0.000	9.033	0.000	539.818	0.000	1115.000
167.000	22000.000	158.159	-.127	8.750	0.000	445.725	94.093	1115.000
167.000	1200.000	154.281	-3.878	10.130	0.000	331.193	208.625	1115.000
167.000	50000.000	161.298	7.018	8.946	0.000	777.317	-237.499	1115.000
167.000	12000.000	156.728	-4.570	9.036	0.000	443.856	95.963	1115.000
168.000	22000.000	163.811	0.000	5.525	0.000	595.101	0.000	820.000
168.000	22000.000	163.943	.132	5.704	0.000	519.999	75.102	820.000
168.000	1200.000	158.066	-5.877	3.785	0.000	325.433	269.668	820.000
168.000	50000.000	167.050	8.984	5.751	0.000	662.498	-67.397	820.000
168.000	12000.000	161.977	-5.073	5.249	0.000	509.213	85.888	820.000
168.100	22000.000	164.940	0.000	1.129	0.000	482.609	0.000	450.000
168.100	22000.000	165.012	.072	1.069	0.000	405.999	76.610	450.000
168.100	1200.000	158.818	-6.194	.752	0.000	372.651	109.958	450.000
168.100	50000.000	168.419	9.601	1.389	0.000	509.621	-27.012	450.000
168.100	12000.000	162.976	-5.442	1.000	0.000	467.480	15.129	450.000
169.000	22000.000	167.702	0.000	2.752	0.000	272.759	0.000	500.000
169.000	22000.000	167.750	.048	2.739	0.000	267.999	4.760	500.000
169.000	1200.000	161.979	-5.771	3.161	0.000	185.993	86.766	500.000
169.000	50000.000	172.220	10.241	3.801	0.000	310.649	-37.890	500.000
169.000	12000.000	165.633	-6.587	2.657	0.000	255.408	17.351	500.000
169.100	22000.000	170.677	0.000	2.975	0.000	285.734	0.000	200.000
169.100	22000.000	170.664	-.013	2.914	0.000	279.566	6.168	200.000
169.100	1200.000	163.735	-6.928	1.796	0.000	226.132	59.603	200.000
169.100	50000.000	175.617	11.881	3.397	0.000	326.735	-41.001	200.000
169.100	12000.000	168.217	-7.400	2.584	0.000	265.230	20.505	200.000
169.300	22000.000	173.067	0.000	2.390	0.000	348.166	0.000	490.000
169.300	22000.000	173.043	-.024	2.379	0.000	314.999	33.167	490.000
169.300	1200.000	166.122	-6.921	2.356	0.000	113.667	234.499	490.000
169.300	50000.000	178.257	12.135	2.640	0.000	432.529	-84.363	490.000
169.300	12000.000	170.926	-7.331	2.769	0.000	321.942	26.224	490.000
170.000	22000.000	175.562	0.000	2.495	0.000	456.253	0.000	240.000
170.000	22000.000	175.590	.028	2.547	0.000	379.999	76.254	240.000
170.000	1200.000	170.550	-5.040	4.429	0.000	166.981	289.272	240.000
170.000	50000.000	180.196	9.646	1.939	0.000	573.088	-116.835	240.000
170.000	12000.000	173.662	-6.534	2.736	0.000	393.355	62.898	240.000
170.100	22000.000	178.180	0.000	2.618	0.000	797.567	0.000	350.000
170.100	22000.000	178.444	.264	2.854	0.000	461.999	335.568	350.000
170.100	1200.000	171.647	-6.797	1.097	0.000	284.273	513.295	350.000
170.100	50000.000	182.528	10.881	2.332	0.000	845.916	-48.349	350.000
170.100	12000.000	176.091	-6.437	2.429	0.000	746.482	51.086	350.000
171.000	22000.000	179.288	0.000	1.108	0.000	787.369	0.000	800.000
171.000	22000.000	180.283	.995	1.839	0.000	761.999	25.370	800.000

171.000	12000.000	177.204	-6.361	1.112	0.000	702.807	84.561	800.000
172.000	22000.000	182.137	0.000	2.849	0.000	806.282	0.000	1680.000
172.000	22000.000	182.297	.160	2.014	0.000	741.038	65.243	1680.000
172.000	1200.000	177.978	-4.319	5.142	0.000	527.299	278.983	1680.000
172.000	50000.000	185.713	7.735	2.149	0.000	821.619	-15.337	1680.000
172.000	12000.000	180.317	-5.396	3.114	0.000	793.256	13.026	1680.000
173.000	22000.000	190.114	0.000	7.977	0.000	674.743	0.000	1100.000
173.000	22000.000	190.387	.274	8.091	0.000	500.790	173.953	1100.000
173.000	1200.000	186.935	-3.452	8.957	0.000	55.258	619.485	1100.000
173.000	50000.000	192.321	5.386	6.608	0.000	726.237	-51.494	1100.000
173.000	12000.000	188.959	-3.363	8.641	0.000	591.728	83.014	1100.000
174.000	22000.000	195.758	0.000	5.645	0.000	979.992	0.000	1100.000
174.000	22000.000	196.157	.398	5.769	0.000	872.999	106.993	1100.000
174.000	1200.000	191.479	-4.678	4.544	0.000	630.595	349.397	1100.000
174.000	50000.000	198.867	7.388	6.546	0.000	1058.313	-78.321	1100.000
174.000	12000.000	194.202	-4.665	5.243	0.000	955.305	24.688	1100.000
175.000	22000.000	199.680	0.000	3.922	0.000	1121.437	0.000	1280.000
175.000	22000.000	199.718	.038	3.561	0.000	1109.999	11.438	1280.000
175.000	1200.000	196.717	-3.001	5.239	0.000	1018.303	103.134	1280.000
175.000	50000.000	202.241	5.523	3.374	0.000	1135.610	-14.173	1280.000
175.000	12000.000	198.558	-3.683	4.356	0.000	1115.231	6.206	1280.000
176.000	22000.000	206.123	0.000	6.442	0.000	694.815	0.000	1200.000
176.000	22000.000	206.152	.029	6.434	0.000	578.654	116.161	1200.000
176.000	1200.000	202.327	-3.825	5.610	0.000	439.265	255.550	1200.000
176.000	50000.000	208.005	5.678	5.764	0.000	717.855	-23.039	1200.000
176.000	12000.000	204.995	-3.010	6.437	0.000	655.897	38.918	1200.000
177.000	22000.000	209.029	0.000	2.906	0.000	869.854	0.000	800.000
177.000	22000.000	209.176	.147	3.024	0.000	793.999	75.855	800.000
177.000	1200.000	203.702	-5.474	1.375	0.000	619.478	250.376	800.000
177.000	50000.000	212.602	8.900	4.598	0.000	897.805	-27.952	800.000
177.000	12000.000	207.251	-5.351	2.256	0.000	855.964	13.890	800.000
178.000	22000.000	214.754	0.000	5.725	0.000	871.553	0.000	1200.000
178.000	22000.000	214.734	-.020	5.567	0.000	827.505	44.047	1200.000
178.000	1200.000	210.353	-4.381	6.650	0.000	155.347	716.206	1200.000
178.000	50000.000	216.761	6.408	4.158	0.000	949.196	-77.643	1200.000
178.000	12000.000	213.788	-2.973	6.537	0.000	801.933	69.620	1200.000
179.000	22000.000	229.185	0.000	14.431	0.000	1163.624	0.000	1000.000
179.000	22000.000	229.210	.025	14.476	0.000	1154.999	8.625	1000.000
179.000	1200.000	227.168	-2.041	16.816	0.000	781.601	382.023	1000.000
179.000	50000.000	230.755	3.587	13.994	0.000	1176.093	-12.469	1000.000
179.000	12000.000	228.395	-2.361	14.686	0.000	1157.364	6.260	1000.000
180.000	22000.000	236.103	0.000	6.918	0.000	1141.308	0.000	900.000
180.000	22000.000	236.420	.317	7.210	0.000	774.999	366.309	900.000
180.000	1200.000	232.220	-4.200	5.051	0.000	463.280	678.028	900.000
180.000	50000.000	238.268	6.048	7.512	0.000	1433.557	-292.249	900.000
180.000	12000.000	234.976	-3.291	6.552	0.000	987.191	154.117	900.000
180.100	22000.000	237.895	0.000	1.792	0.000	1231.066	0.000	300.000
180.100	22000.000	238.213	.318	1.793	0.000	614.999	616.067	300.000
180.100	1200.000	234.956	-3.257	2.736	0.000	273.252	957.814	300.000
180.100	50000.000	239.727	4.772	1.460	0.000	1407.372	-176.305	300.000
180.100	12000.000	237.174	-2.553	2.198	0.000	1113.755	117.311	300.000
180.200	22000.000	241.329	0.000	3.454	0.000	1261.346	0.000	370.000
180.200	22000.000	242.028	.699	3.815	0.000	618.999	642.347	370.000
180.200	1200.000	[illegible]	[illegible]	[illegible]	0.000	[illegible]	987.194	370.000

180.200	12000.000	240.207	-2.[illegible]	[illegible].[illegible]	0.000	1113.243	148.103	370.000
181.000	22000.000	242.976	0.000	1.617	0.000	875.866	0.000	350.000
181.000	22000.000	243.583	.607	1.555	0.000	414.999	460.867	350.000
181.000	1200.000	238.469	-5.114	.859	0.000	379.441	496.425	350.000
181.000	50000.000	245.128	6.659	[illegible].[illegible]2	0.000	1299.088	-423.222	350.000
181.000	12000.000	241.800	-3.328	1.543	0.000	711.816	164.050	350.000
182.000	22000.000	248.009	0.000	5.034	0.000	464.225	0.000	660.000
182.000	22000.000	247.886	-.124	4.303	0.000	367.808	96.417	660.000
182.000	1200.000	242.227	-5.659	3.758	0.000	137.030	327.195	660.000
182.000	50000.000	251.711	9.484	6.5[illegible]4	0.000	1250.305	-786.080	660.000
182.000	12000.000	246.290	-5.422	4.4[illegible]0	0.000	397.481	66.745	660.000
182.100	22000.000	251.081	0.000	3.071	0.000	1198.606	0.000	260.000
182.100	22000.000	251.115	.035	3.230	0.000	385.999	812.607	260.000
182.100	1200.000	245.887	-5.228	3.6[illegible]0	0.000	289.778	908.827	260.000
182.100	50000.000	254.239	8.352	[illegible].528	0.000	1418.669	-220.063	260.000
182.100	12000.000	249.224	-5.015	[illegible].934	0.000	434.879	763.727	260.000
183.000	22000.000	252.399	0.000	1.318	0.000	646.174	0.000	220.000
183.000	22000.000	252.995	.597	1.880	0.000	389.999	256.175	220.000
183.000	1200.000	246.694	-6.302	.806	0.000	278.215	367.959	220.000
183.000	50000.000	254.956	8.262	.716	0.000	759.447	-113.272	220.000
183.000	12000.000	250.629	-4.326	1.405	0.000	581.583	64.591	220.000
184.000	22000.000	259.876	0.000	7.478	0.000	991.711	0.000	1280.000
184.000	22000.000	259.318	-.558	6.323	0.000	381.404	610.306	1280.000
184.000	1200.000	252.334	-6.984	5.641	0.000	92.123	899.587	1280.000
184.000	50000.000	261.977	9.643	7.022	0.000	1457.190	-465.479	1280.000
184.000	12000.000	257.155	-4.822	6.526	0.000	308.801	682.910	1280.000
184.100	22000.000	261.841	0.000	1.965	0.000	823.953	0.000	170.000
184.100	22000.000	261.797	-.045	[illegible].478	0.000	453.769	370.184	170.000
184.100	1200.000	254.311	-7.486	1.977	0.000	89.073	734.879	170.000
184.100	50000.000	264.281	9.970	[illegible].304	0.000	1191.932	-367.980	170.000
184.100	12000.000	259.282	-4.998	[illegible].128	0.000	289.389	534.564	170.000
184.200	22000.000	263.690	0.000	1.8[illegible]8	0.000	1024.313	0.000	195.000
184.200	22000.000	264.197	.508	[illegible].401	0.000	519.999	504.314	195.000
184.200	1200.000	255.246	-8.951	.9[illegible]6	0.000	105.165	919.148	195.000
184.200	50000.000	266.388	11.141	[illegible].107	0.000	1290.199	-265.887	195.000
184.200	12000.000	261.758	-4.630	[illegible].475	0.000	830.693	193.620	195.000
185.000	22000.000	264.345	0.000	.6[illegible]5	0.000	1172.342	0.000	150.000
185.000	22000.000	265.076	.731	.879	0.000	582.999	589.343	150.000
185.000	1200.000	256.195	-8.881	.949	0.000	185.252	987.090	150.000
185.000	50000.000	267.190	10.995	.802	0.000	1278.708	-106.366	150.000
185.000	12000.000	262.493	-4.697	.735	0.000	1019.669	152.673	150.000
186.000	22000.000	264.630	0.000	.285	0.000	758.873	0.000	390.000
186.000	22000.000	265.620	.990	.544	0.000	658.999	99.874	390.000
186.000	1200.000	257.448	-8.172	1.2[illegible]3	0.000	543.055	215.819	390.000
186.000	50000.000	267.524	10.076	.334	0.000	840.388	-81.515	390.000
186.000	12000.000	262.776	-4.748	.282	0.000	733.427	25.447	390.000
187.000	22000.000	264.876	0.000	.246	0.000	614.954	0.000	460.000
187.000	22000.000	265.785	.909	.164	0.000	517.999	96.955	460.000
187.000	1200.000	258.164	-7.621	.716	0.000	359.745	255.209	460.000
187.000	50000.000	267.855	9.692	.331	0.000	632.694	-17.740	460.000
187.000	12000.000	262.981	-4.874	.206	0.000	603.675	11.279	460.000
188.000	22000.000	265.030	0.000	.1[illegible]4	0.000	424.421	0.000	280.000
188.000	22000.000	265.900	.870	.116	0.000	369.999	54.422	280.000
188.000	1200.000	25[illegible].[illegible]	-7.[illegible]	.617	0.000	237.060	136.560	280.000

188.000	12000.000	263.209	-4.506	.228	0.000	412.054	12.366	280.000
188.100	22000.000	264.590	0.000	-.440	0.000	320.458	0.000	100.000
188.100	22000.000	265.683	1.092	-.218	0.000	320.999	-.541	100.000
188.100	1200.000	258.918	-6.764	.138	0.000	163.116	157.342	100.000
188.100	50000.000	268.194	9.276	.479	0.000	346.570	-26.112	100.000
188.100	12000.000	263.107	-5.087	-.102	0.000	309.140	11.319	100.000
188.200	22000.000	265.235	0.000	.644	0.000	308.555	0.000	80.000
188.200	22000.000	265.754	.519	.071	0.000	297.190	11.365	80.000
188.200	1200.000	260.139	-5.615	1.221	0.000	189.582	118.973	80.000
188.200	50000.000	269.245	9.106	1.050	0.000	327.106	-18.551	80.000
188.200	12000.000	263.555	-5.689	.448	0.000	300.789	7.766	80.000
189.000	22000.000	267.512	0.000	2.277	0.000	323.472	0.000	100.000
189.000	22000.000	267.517	.005	1.763	0.000	294.999	28.473	100.000
189.000	1200.000	260.989	-6.528	.8[illegible]0	0.000	277.898	45.574	100.000
189.000	50000.000	272.286	11.297	3.041	0.000	355.616	-32.144	100.000
189.000	12000.000	265.192	-7.094	1.637	0.000	307.325	16.148	100.000
190.000	22000.000	267.680	0.000	.168	0.000	202.421	0.000	270.000
190.000	22000.000	267.775	.095	.268	0.000	202.728	-.307	270.000
190.000	1200.000	261.367	-6.408	.378	0.000	181.270	21.151	270.000
190.000	50000.000	272.136	10.769	-.150	0.000	217.323	-14.902	270.000
190.000	12000.000	265.744	-6.392	.562	0.000	195.923	6.498	270.000
190.100	22000.000	269.042	0.000	1.3[illegible]2	0.000	165.219	0.000	80.000
190.100	22000.000	269.036	-.006	1.261	0.000	165.203	.016	80.000
190.100	1200.000	261.454	-7.582	.067	0.000	145.201	20.018	80.000
190.100	50000.000	275.383	13.929	3.247	0.000	181.890	-16.671	80.000
190.100	12000.000	266.108	-9.275	.353	0.000	157.478	7.741	80.000
191.000	22000.000	270.376	0.000	1.334	0.000	119.168	0.000	170.000
191.000	22000.000	270.376	.000	1.340	0.000	119.168	-.001	170.000
191.000	1200.000	262.657	-7.718	1.263	0.000	102.093	17.075	170.000
191.000	50000.000	278.063	15.405	2.680	0.000	136.176	-17.008	170.000
191.000	12000.000	268.246	-9.817	2.138	0.000	114.456	4.712	170.000
192.000	22000.000	278.938	0.000	8.562	0.000	75.924	0.000	160.000
192.000	22000.000	278.938	-.000	8.562	0.000	75.924	.000	160.000
192.000	1200.000	262.669	-16.269	.011	0.000	37.442	38.483	160.000
192.000	50000.000	289.495	26.826	11.432	0.000	100.896	-24.972	160.000
192.000	12000.000	273.313	-16.182	5.067	0.000	62.619	13.306	160.000
193.000	22000.000	286.413	0.000	7.475	0.000	144.979	0.000	210.000
193.000	22000.000	286.413	.000	7.475	0.000	144.979	-.000	210.000
193.000	1200.000	276.247	-10.165	13.579	0.000	79.185	65.794	210.000
193.000	50000.000	298.130	21.883	3.635	0.000	213.418	-68.440	210.000
193.000	12000.000	282.838	-15.293	9.525	0.000	121.839	23.140	210.000
194.000	22000.000	293.664	0.000	7.241	0.000	103.322	0.000	170.000
194.000	22000.000	293.664	-.000	7.241	0.000	103.322	.000	170.000
194.000	1200.000	282.113	-11.551	5.866	0.000	71.376	31.946	170.000
194.000	50000.000	302.253	20.140	4.123	0.000	127.076	-23.754	170.000
194.000	12000.000	289.400	-12.854	6.562	0.000	91.527	11.795	170.000
194.200	22000.000	297.725	0.000	4.061	0.000	109.229	0.000	250.000
194.200	22000.000	297.725	.000	4.061	0.000	109.229	-.000	250.000
194.200	1200.000	285.003	-12.723	2.890	0.000	75.791	33.438	250.000
194.200	50000.000	306.145	21.142	3.891	0.000	125.640	-16.412	250.000
194.200	12000.000	293.179	-12.966	3.779	0.000	100.380	8.849	250.000
195.000	22000.000	298.134	0.000	.409	0.000	93.908	0.000	190.000
195.000	22000.000	298.134	.000	.409	0.000	93.908	-.000	190.000
195.000	1200.000	[illegible]	[illegible]	[illegible]	0.000	[illegible]	[illegible]	[illegible]

195.000	12000.000	293.435	-13.984	.365	0.000	83.230	10.679	190.000
196.000	22000.000	303.907	0.000	5.772	0.000	89.205	0.000	160.000
196.000	22000.000	303.907	-.000	5.772	0.000	89.205	.000	160.000
196.000	1200.000	288.703	-15.204	7.758	0.000	36.842	52.363	160.000
196.000	50000.000	313.611	24.908	5.143	0.000	119.238	-30.033	160.000
196.000	12000.000	298.758	-14.853	5.274	0.000	73.270	15.935	160.000
197.000	22000.000	311.199	0.000	7.252	0.000	113.791	0.000	210.000
197.000	22000.000	311.199	-.000	7.252	0.000	113.791	.000	210.000
197.000	1200.000	299.115	-12.084	10.412	0.000	45.506	68.284	210.000
197.000	50000.000	319.220	20.105	5.609	0.000	128.264	-14.473	210.000
197.000	12000.000	307.446	-11.774	8.688	0.000	104.777	9.014	210.000
198.000	22000.000	316.210	0.000	5.011	0.000	128.032	0.000	180.000
198.000	22000.000	316.210	.000	5.011	0.000	128.032	-.000	180.000
198.000	1200.000	305.029	-11.181	5.914	0.000	56.590	71.442	180.000
198.000	50000.000	323.461	18.432	4.240	0.000	147.958	-19.926	180.000
198.000	12000.000	312.322	-11.139	4.876	0.000	109.804	18.227	180.000
199.000	22000.000	329.987	0.000	13.777	0.000	103.949	0.000	580.000
199.000	22000.000	329.987	-.000	13.777	0.000	103.949	.000	580.000
199.000	1200.000	315.913	-14.074	19.884	0.000	37.367	66.582	580.000
199.000	50000.000	338.711	22.797	15.260	0.000	130.502	-26.553	580.000
199.000	12000.000	325.723	-12.988	13.461	0.000	88.535	15.414	580.000
200.000	22000.000	339.883	0.000	9.896	0.000	163.928	0.000	480.000
200.000	22000.000	339.883	.000	9.896	0.000	163.928	-.000	480.000
200.000	1200.000	330.755	-9.128	14.842	0.000	93.044	70.884	480.000
200.000	50000.000	345.974	15.219	7.263	0.000	205.755	-41.827	480.000
200.000	12000.000	336.646	-9.328	10.923	0.000	140.059	23.869	480.000
201.000	22000.000	345.175	0.000	5.292	0.000	149.790	0.000	360.000
201.000	22000.000	345.175	-.000	5.292	0.000	149.790	.000	360.000
201.000	1200.000	335.254	-9.921	4.499	0.000	73.077	76.712	360.000
201.000	50000.000	351.982	16.728	6.009	0.000	222.796	-73.006	360.000
201.000	12000.000	341.531	-10.451	4.886	0.000	123.179	26.611	360.000
202.000	22000.000	351.150	0.000	5.975	0.000	206.660	0.000	480.000
202.000	22000.000	351.150	0.000	5.975	0.000	206.660	-.000	480.000
202.000	1200.000	337.983	-13.166	2.729	0.000	63.315	143.345	480.000
202.000	50000.000	358.354	20.371	6.372	0.000	267.675	-61.015	480.000
202.000	12000.000	347.086	-11.267	5.585	0.000	150.310	56.350	480.000
203.000	22000.000	353.037	0.000	1.887	0.000	228.942	0.000	290.000
203.000	22000.000	353.037	-.000	1.887	0.000	228.942	.000	290.000
203.000	1200.000	339.211	-13.825	1.228	0.000	89.908	139.034	290.000
203.000	50000.000	360.128	20.916	1.774	0.000	248.893	-19.951	290.000
203.000	12000.000	348.713	-11.415	1.626	0.000	216.779	12.164	290.000
204.000	22000.000	353.800	0.000	.763	0.000	141.456	0.000	420.000
204.000	22000.000	353.800	-.000	.763	0.000	141.456	.000	420.000
204.000	1200.000	340.810	-12.991	1.598	0.000	41.167	100.288	420.000
204.000	50000.000	360.707	19.898	.579	0.000	164.151	-22.695	420.000
204.000	12000.000	350.283	-10.425	1.570	0.000	127.561	13.895	420.000
204.100	22000.000	357.597	0.000	3.736	0.000	164.967	0.000	120.000
204.100	22000.000	357.597	.000	3.736	0.000	164.967	-.000	120.000
204.100	1200.000	342.068	-15.528	1.259	0.000	57.453	107.514	120.000
204.100	50000.000	365.578	23.510	4.871	0.000	205.835	-40.868	120.000
204.100	12000.000	353.400	-12.179	3.117	0.000	147.169	17.798	120.000
205.000	22000.000	357.234	0.000	-.363	0.000	160.586	0.000	280.000
205.000	22000.000	357.234	0.000	-.363	0.000	160.586	.000	280.000

205.000	12000.000	354.149	-11.458	.710	0.000	145.794	14.792	280.000
206.000	22000.000	363.109	0.000	5.875	0.000	195.232	0.000	250.000
206.000	22000.000	363.109	.000	5.875	0.000	195.232	-.000	250.000
206.000	1200.000	350.674	-12.435	3.378	0.000	53.125	142.106	250.000
206.000	50000.000	369.204	18.530	3.587	0.000	246.029	-50.797	250.000
206.000	12000.000	358.667	-10.538	4.517	0.000	122.846	72.386	250.000
207.000	22000.000	371.540	0.000	8.431	0.000	196.054	0.000	370.000
207.000	22000.000	371.540	.000	8.431	0.000	196.054	-.000	370.000
207.000	1200.000	364.446	-7.094	13.772	0.000	105.352	90.702	370.000
207.000	50000.000	377.101	12.654	7.896	0.000	238.369	-42.315	370.000
207.000	12000.000	369.024	-8.077	10.357	0.000	186.367	9.687	370.000
207.100	22000.000	373.168	0.000	1.628	0.000	160.867	0.000	180.000
207.100	22000.000	373.168	.000	1.628	0.000	160.867	-.000	180.000
207.100	1200.000	365.543	-7.626	1.046	0.000	92.461	68.406	180.000
207.100	50000.000	379.799	14.256	2.609	0.000	218.115	-57.248	180.000
207.100	12000.000	370.870	-8.930	1.846	0.000	135.971	24.896	180.000
207.200	22000.000	377.477	0.000	4.308	0.000	225.294	0.000	250.000
207.200	22000.000	377.477	-.000	4.308	0.000	225.294	0.000	250.000
207.200	1200.000	365.729	-11.748	.186	0.000	98.326	126.969	250.000
207.200	50000.000	384.942	19.213	5.143	0.000	255.152	-29.858	250.000
207.200	12000.000	373.259	-11.683	2.389	0.000	199.098	26.196	250.000
208.000	22000.000	379.152	0.000	1.675	0.000	300.696	0.000	650.000
208.000	22000.000	379.152	-.000	1.675	0.000	300.696	.000	650.000
208.000	1200.000	366.656	-12.496	.927	0.000	216.984	83.712	650.000
208.000	50000.000	387.215	20.559	2.274	0.000	330.408	-29.713	650.000
208.000	12000.000	374.735	-12.481	1.476	0.000	276.418	24.277	650.000

DATA FOR LAST CROSS SECTION

PROFILE	TYPE ENC	TARGET	TOP WIDTH AREA-ACRES	TOP WIDTH AREA-DIFF
1	0.000	0.000	1370.251	0.000
2	1.000	0.000	948.684	-421.567
3	0.000	0.000	508.261	-861.991
4	0.000	0.000	1693.283	323.032
5	0.000	0.000	1171.618	-198.633

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**********************************************
HEC2 VERSION UPDATED AUG 1976
ERROR CORRECTIONS 01,02,03,04,05,06,07,08,09,10
MODIFICATIONS 52,53,54,55,56,57,58,59
**********************************************
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  WC7   WCC  SCOPE 3.4.3    406F.000  01/10/78
10.43.08.ERICOFO  FROM    /34
10.43.09.ISIP, INPUT  ,00000065 IOBS, ***/34, DC= 00.
10.43.09.ERIC.P4,T100.
10.43.09.
10.43.13.USER(YLR26LA,)
10.43.13.ATTENTION - PLEASE CHANGE YOUR CDC
10.43.13.SUPPLIED PASSWORD.
10.43.14.PROJECT,*456*YF0456.
10.43.16.ACCN, L1529, *456*YF0456
10.43.16.HEADING,*IS O COUNTY
10.43.16.REQUEST,B,*PF.
10.43.17.ATTACH,HEC2,HEC5910,ID=USER.
10.43.22.PF CYCLE NO. = 001
10.43.22.REL,200000.
10.43.23.HEC2.PL=100000.
10.44.06.    STOP
10.44.06.REWIND,OUTPUT.
10.44.06.COPYBF,OUTPUT,B.
10.44.07.( B        ASSIGNED TO EST 65 )
10.44.11.EOI ENCOUNTERED AFTER COPY OF FILE
10.44.11.          0. RECORD  3
10.44.11.CATALOG,B,ERIC,ID=ERIC,RP=16.
10.44.12.INITIAL CATALOG
10.44.17.CT ID=     ERIC PFN=ERIC
10.44.17.ISFS, CT CY= 001  00000828 SDBS.
10.44.17.ISOP, OUTPUT ,00000827 IOBS, ***/34, DC= 40.
10.44.17.ISEQ, ENTERED QUEUE 10.42.57  78048
10.44.17.ISSW,        62.556 EXECUTION TIME
10.44.17.MS  215040  WORDS  (  240128 MAX USED)
10.44.17.CPA      23.213 SEC.
10.44.17.IO       39.342 SEC.
10.44.17.CM     2196.820 KWS.
10.44.17.ISSN,        83.151 TOTAL SRUS NON-APPLICATION
10.44.17.PP       27.034 SEC.     DATE 02/17/78
10.44.17.EJ  END OF JOB, 34
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Document 516

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HEC2 VERSION UPDATED JAN 1976
ERROR CORRECTIONS 01,02,03,04,05,06,07,08,09
MODIFICATIONS 51,52,53,54,55,56,,57,58
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22-DEC-77   13:55:40

SY:[203,203]OTAYRIV.HEC
C
T1        OTAY RIVER NATURAL BACKWATER     USACE SECTIONS 102.2 TO 208.0
T2        100-YR. NATURAL     Q=22,000 CFS
T3        SAN DIEGO COUNTY FLOOD CONTROL     OCTOBER, 1977

J1  ICHECK      INQ        NINV       IDIR       STRT      METRIC     HVINS       Q          WSEL       FQ

         0.         7.         0.         0.   0.000000     0.00       0.0         0.      12.600     0.000

J2  NPROF      IPLOT      PRFVS      XSECV      XSECH       FN        ALLDC       IBW       CHNIM      ITRACE

      -1.000     0.000   -10.000     0.000      0.000      0.000      0.000      0.000      0.000     15.000

J3     1.000     34.000      3.000      4.000     27.000     28.000      9.000      0.000      0.000      0.000
NC     0.040      0.040      0.040      0.100      0.300      0.000      0.000      0.000      0.000      0.000
QT     5.000  22000.000  22000.000      0.000      0.000   1200.000  50000.000  12000.000      0.000      0.000
ET   102.200      0.000      4.100   1476.000   4009.000      0.000      0.000      0.000      0.000      0.000

X1   102.200     54.000   3880.000   4008.000      0.000      0.000      0.000      0.000      0.000      0.000
GR    20.100      0.000     18.100     23.000     17.100     38.000     15.800    118.000     15.400    222.000
GR    15.000    250.000     15.500    312.000     14.600    362.000     15.000    388.000     11.300    400.000
GR    11.100    420.000      8.100    430.000      8.100   1150.000      8.100   1865.000      9.700   1893.000
GR     9.800   1995.000      9.800   2110.000      9.600   2280.000     10.300   2418.000     11.800   2570.000
GR    11.700   2755.000     11.700   2936.000     11.400   3060.000     10.400   3130.000      9.800   3205.000
GR     9.300   3260.000      8.000   3270.000      8.000   3290.000     11.800   3295.000     14.300   3313.000
GR     8.500   3330.000      3.700   3345.000      3.700   3360.000      8.500   3375.000      9.800   3413.000
GR    10.600   3475.000      7.300   3510.000      5.800   3565.000      6.600   3605.000      9.800   3665.000
GR    16.500   3703.000     18.000   3722.000      5.800   3765.000      6.000   3825.000      4.800   3840.000
GR     4.800   3850.000      5.000   3880.000      3.600   3895.000      3.600   3920.000      4.300   3955.000
GR     6.000   4008.000     17.600   4048.000     17.500   4070.000     11.700   4090.000      0.000      0.000
ET   102.300      0.000      4.100   1125.000   3088.000      0.000      0.000      0.000      0.000      0.000

X1   102.300     45.000   2975.000   3087.000    800.000    500.000    200.000      0.000      0.000      0.000
GR    15.800      0.000     10.000    110.000      9.800    162.000     11.000    210.000     14.300    230.000
GR    10.400    240.000      8.100    250.000      8.100    868.000      9.500    888.000      9.600   1055.000
GR    12.800   1255.000     10.000   1455.000     11.000   1640.000     11.500   1847.000     10.500   2037.000
GR    11.000   2148.000     10.200   2195.000     10.000   2252.000      8.000   2265.000      8.000   2275.000
GR    12.300   2280.000     13.500   2300.000      8.700   2330.000      7.900   2360.000     10.200   2378.000
GR     9.400   2400.000      9.700   2500.000      9.800   2625.000      7.300   2670.000      6.000   2695.000
GR    12.400   2735.000     18.000   2763.000     11.300   2791.000      8.000   2812.000      5.000   2825.000
GR     5.000   2835.000      8.200   2845.000      6.800   2940.000      5.000   2975.000      3.400   3030.000
GR     3.400   3060.000      6.200   3087.000     15.300   3140.000     19.000   3163.000     12.700   3182.000
ET   102.400      0.000      4.100   1765.000   3615.000      0.000      0.000      0.000      0.000      0.000

X1   102.400     43.000   3490.000   3575.000   1150.000    480.000    860.000      0.000      0.000      0.000
GR    16.000      0.000     15.000     62.000     12.200    180.000     10.300    300.000     10.000    362.000
GR    10.000    380.000     10.000    395.000     10.000    442.000     11.000    472.000     10.500    659.000
GR    11.700    842.000     11.300   1032.000     10.500   1205.000     10.500   1390.000     10.200   1678.000
GR    10.200   1900.000     10.200   1925.000     10.300   2168.000     10.300   2412.000     10.000   2600.000
GR     9.700   2663.000     10.600   2720.000     11.700   2740.000      9.300   2770.000     10.400   2790.000
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GR	12.400	3458.000	15.500	3470.000	10.000	3490.000	5.200	3543.000	4.200	3560.000
GR	5.000	3575.000	13.000	3610.000	18.500	3640.000	0.000	0.000	0.000	0.000
ET	103.000	0.000	4.100	2330.000	4497.000	0.000	0.000	0.000	0.000	0.000
X1	103.000	45.000	4403.000	4496.000	280.000	420.000	330.000	0.000	0.000	0.000
GR	25.000	0.000	23.100	97.000	20.700	166.000	20.200	250.000	17.800	412.000
GR	17.200	431.000	17.600	477.000	14.800	499.000	14.300	544.000	15.000	662.000
GR	14.000	849.000	8.200	864.000	12.400	882.000	10.900	1146.000	11.900	1322.000
GR	12.200	1601.000	11.300	1827.000	11.800	2122.000	12.100	2386.000	11.800	2491.000
GR	11.700	2794.000	11.800	2988.000	13.300	3153.000	16.600	3167.000	16.200	3184.000
GR	9.400	3205.000	8.900	3287.000	8.600	3434.000	8.900	3558.000	9.200	3651.000
GR	8.300	3714.000	15.300	3742.000	6.800	3771.000	6.600	3895.000	6.800	4054.000
GR	7.200	4170.000	5.900	4265.000	6.100	4372.000	15.500	4403.000	5.700	4441.000
GR	4.100	4464.000	6.300	4496.000	19.300	4527.000	19.600	4545.000	19.600	4559.000
NC	0.000	0.000	0.000	0.400	0.500	0.000	0.000	0.000	0.000	0.000
ET	104.000	0.000	4.100	3575.000	5875.000	0.000	0.000	0.000	0.000	0.000
X1	104.000	62.000	5087.000	5137.000	660.000	1400.000	1100.000	0.000	0.000	0.000
GR	30.000	0.000	29.500	118.000	29.500	262.000	26.200	293.000	22.900	460.000
GR	19.600	618.000	17.500	640.000	16.800	683.000	19.100	710.000	19.000	762.000
GR	16.000	808.000	11.300	947.000	10.800	1003.000	14.600	1107.000	14.600	1320.000
GR	14.300	1516.000	8.800	1524.000	13.300	1555.000	14.500	1695.000	13.900	1755.000
GR	13.100	1775.000	14.500	1834.000	13.300	1894.000	14.700	2025.000	16.500	2236.000
GR	16.400	2312.000	15.300	2391.000	15.800	2464.000	14.600	2535.000	14.700	2599.000
GR	14.400	2679.000	13.800	2885.000	13.600	3028.000	13.900	3181.000	13.500	3366.000
GR	12.700	3643.000	14.700	3795.000	14.600	3866.000	13.700	3989.000	15.000	4076.000
GR	14.700	4187.000	14.600	4352.000	14.900	4510.000	13.400	4536.000	13.500	4616.000
GR	12.500	4787.000	12.900	4827.000	12.400	4928.000	12.300	5087.000	5.200	5110.000
GR	11.100	5137.000	11.200	5267.000	11.200	5388.000	11.300	5576.000	12.000	5750.000
GR	11.100	5821.000	12.100	5937.000	13.000	6034.000	12.700	6102.000	11.500	6211.000
GR	9.000	6217.000	41.600	6307.000	0.000	0.000	0.000	0.000	0.000	0.000
ET	104.100	0.000	4.100	1080.000	2842.000	0.000	0.000	0.000	0.000	0.000
X1	104.100	46.000	1323.000	1520.000	1270.000	1020.000	1230.000	0.000	0.000	0.000
X3	10.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
GR	23.000	0.000	18.200	20.000	18.000	55.000	15.200	95.000	14.700	190.000
GR	14.600	330.000	14.600	510.000	14.800	615.000	14.800	630.000	13.700	648.000
GR	13.500	700.000	14.000	800.000	14.200	940.000	12.900	995.000	13.800	1058.000
GR	14.700	1100.000	10.000	1160.000	10.000	1190.000	10.000	1285.000	10.000	1305.000
GR	10.200	1323.000	9.600	1348.000	6.600	1418.000	6.200	1478.000	10.000	1520.000
GR	12.800	1562.000	13.500	1660.000	12.700	1807.000	14.300	1900.000	14.500	1930.000
GR	14.500	1960.000	13.700	1970.000	13.500	2150.000	13.500	2400.000	13.000	2550.000
GR	12.000	2715.000	12.000	2885.000	12.000	2905.000	10.500	2925.000	13.300	2965.000
GR	12.000	3105.000	14.200	3218.000	10.200	3230.000	10.200	3240.000	30.000	3272.000
GR	41.600	3310.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ET	0.000	0.000	4.100	6384.000	7026.000	0.000	0.000	0.000	0.000	0.000
X1	105.000	38.000	6384.000	7025.000	400.000	230.000	320.000	0.000	0.000	0.000
X3	10.000	0.000	0.000	0.000	0.000	0.000	0.000	23.500	23.000	0.000
GR	28.700	3076.000	31.800	3199.000	37.200	3347.000	24.200	3473.000	21.900	3651.000
GR	21.600	3655.000	18.400	3883.000	16.100	4151.000	13.700	4356.000	12.900	4603.000
GR	15.700	4909.000	17.400	5161.000	20.400	5448.000	21.900	5651.000	21.800	5888.000
GR	22.100	5963.000	20.500	6206.000	18.000	6384.000	11.800	6411.000	11.500	6506.000
GR	16.300	6550.000	18.400	6653.000	17.300	6748.000	13.100	6830.000	11.100	6953.000
GR	11.300	6994.000	13.600	7025.000	14.500	7140.000	15.000	7286.000	14.200	7446.000
GR	13.600	7626.000	12.900	7788.000	12.800	7976.000	13.100	8107.000	15.500	8195.000
GR	16.000	8392.000	16.000	8404.000	43.600	8468.000	0.000	0.000	0.000	0.000
SB	0.900	1.400	2.500	0.000	461.000	76.000	5148.000	1.500	11.900	11.400
ET	107.000	0.000	4.100	1388.000	2111.000	0.000	0.000	0.000	0.000	0.000
X1	107.000	37.000	1388.000	2110.000	230.000	230.000	230.000	0.000	0.000	0.000
X2	0.000	1.000	24.000	20.000	0.000	0.000	0.000	0.000	0.000	0.000
X3	10.000	0.000	0.000	1388.000	24.000	2110.000	24.000	0.000	0.000	0.000
BT	33.000	155.000	20.000	0.000	203.000	20.000	0.000	251.000	20.000	0.000

BT	0.000	1388.000	26.000	0.000	1388.000	26.000	23.500	1410.000	26.000	23.700
BT	1440.000	26.200	23.800	1529.000	26.500	24.000	1540.000	26.500	24.000	1540.000
BT	26.500	12.100	1860.000	26.600	13.200	1860.000	26.600	24.000	1871.000	26.600
BT	24.000	1942.000	26.600	24.000	2043.000	26.500	24.000	2085.000	26.600	24.000
BT	2110.000	26.500	24.000	2110.000	26.500	0.000	2161.000	26.400	0.000	2676.000
BT	23.800	0.000	3414.000	22.000	0.000	3614.000	22.200	0.000	3734.000	23.400
BT	0.000	4052.000	25.800	0.000	4162.000	26.000	0.000	4314.000	26.700	0.000
GR	35.000	0.000	34.300	63.000	33.700	96.000	16.600	168.000	13.800	203.000
GR	16.700	251.000	17.400	334.000	14.400	453.000	17.800	613.000	16.100	703.000
GR	16.300	877.000	15.200	1089.000	17.500	1211.000	17.100	1388.000	13.300	1410.000
GR	12.600	1440.000	12.100	1529.000	12.100	1540.000	13.200	1860.000	13.200	1871.000
GR	12.700	1942.000	13.700	2043.000	17.100	2085.000	18.200	2110.000	15.900	2161.000
GR	14.100	2676.000	20.200	3414.000	20.300	3614.000	19.100	3734.000	24.400	4052.000
GR	23.800	4162.000	26.700	4314.000	28.400	4483.000	26.900	4676.000	25.700	4872.000
GR	26.300	5063.000	26.900	5380.000	0.000	0.000	0.000	0.000	0.000	0.000
NC	0.045	0.045	0.045	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ET	108.000	0.000	4.100	2650.000	3310.000	0.000	0.000	0.000	0.000	0.000
X1	108.000	74.000	2665.000	3182.000	780.000	1100.000	830.000	0.000	0.000	0.000
X3	0.000	0.000	0.000	2650.000	0.000	3310.000	0.000	0.000	0.000	0.000
GR	40.300	0.000	41.500	161.000	42.200	341.000	41.800	439.000	39.500	570.000
GR	39.000	628.000	40.000	663.000	40.000	695.000	38.800	847.000	37.700	983.000
GR	37.500	1027.000	39.100	1172.000	40.700	1299.000	39.800	1322.000	40.100	1383.000
GR	21.400	1423.000	20.200	1510.000	18.800	1650.000	17.800	1810.000	17.500	2000.000
GR	18.200	2063.000	19.000	2184.000	19.100	2301.000	20.500	2368.000	20.300	2484.000
GR	21.100	2516.000	18.700	2528.000	20.400	2542.000	20.900	2665.000	19.300	2683.000
GR	13.000	2722.000	13.000	2761.000	13.000	2837.000	16.700	2899.000	15.000	2914.000
GR	21.100	2949.000	16.700	2979.000	18.400	3043.000	19.400	3141.000	22.900	3182.000
GR	19.200	3200.000	21.700	3217.000	18.500	3243.000	20.300	3260.000	15.500	3263.000
GR	15.600	3266.000	20.100	3273.000	18.700	3284.000	18.500	3318.000	19.900	3330.000
GR	19.500	3415.000	18.700	3552.000	18.700	3608.000	20.100	3639.000	21.200	3690.000
GR	19.200	3779.000	19.600	3892.000	19.800	3969.000	20.200	4060.000	20.500	4179.000
GR	20.600	4303.000	21.200	4447.000	21.400	4595.000	21.900	4654.000	21.500	4708.000
GR	20.000	4727.000	22.300	4879.000	22.900	4992.000	24.200	5095.000	26.800	5187.000
GR	31.900	5207.000	30.900	5221.000	35.100	5315.000	40.000	5387.000	0.000	0.000
ET	0.000	0.000	4.100	2735.000	3095.000	0.000	0.000	0.000	0.000	0.000
X1	109.000	36.000	2852.000	3017.000	250.000	250.000	250.000	0.000	0.000	0.000
X3	10.000	0.000	0.000	2735.000	0.000	3095.000	0.000	0.000	0.000	109.000
GR	42.200	0.000	42.600	195.000	42.300	347.000	40.900	528.000	40.700	625.000
GR	40.200	838.000	38.800	1036.000	37.000	1177.000	36.100	1317.000	34.100	1474.000
GR	28.400	1709.000	20.700	1848.000	19.500	2000.000	19.400	2225.000	20.200	2448.000
GR	21.700	2578.000	20.800	2665.000	17.600	2852.000	18.700	3017.000	22.000	3137.000
GR	22.300	3248.000	22.000	3393.000	22.400	3554.000	22.100	3715.000	21.800	3863.000
GR	23.000	3997.000	22.400	4192.000	22.600	4362.000	23.300	4515.000	24.200	4618.000
GR	24.700	4758.000	25.800	4922.000	28.600	5067.000	34.100	5228.000	39.900	5369.000
GR	45.000	5530.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ET	110.000	0.000	4.100	2700.000	3025.000	0.000	0.000	0.000	0.000	0.000
X1	110.000	47.000	2700.000	3020.000	40.000	40.000	40.000	0.000	0.000	0.000
X3	10.000	0.000	0.000	0.000	0.000	0.000	0.000	33.000	40.000	0.000
GR	41.700	0.000	42.800	111.000	43.500	282.000	43.700	446.000	44.100	582.000
GR	42.900	737.000	42.100	954.000	41.200	1139.000	41.000	1362.000	40.500	1528.000
GR	38.700	1571.000	38.800	1582.000	40.800	1603.000	39.300	1702.000	33.600	1739.000
GR	27.300	1827.000	25.300	2000.000	21.400	2145.000	20.600	2305.000	21.500	2500.000
GR	21.400	2624.000	20.100	2700.000	17.800	2777.000	15.800	2834.000	16.800	2902.000
GR	16.300	2944.000	18.900	3020.000	20.600	3112.000	20.600	3213.000	20.400	3355.000
GR	21.900	3513.000	21.800	3577.000	20.600	3656.000	21.400	3757.000	21.000	3893.000
GR	21.000	4026.000	20.500	4178.000	21.000	4308.000	21.800	4450.000	21.300	4521.000
GR	23.800	4585.000	23.600	4633.000	24.300	4758.000	25.400	4904.000	30.700	5088.000
GR	36.100	5244.000	45.000	5501.000	0.000	0.000	0.000	0.000	0.000	0.000
SR	0.900	1.250	3.000	0.000	336.000	100.000	4620.000	1.000	17.000	17.000
ET	112.000	0.000	4.100	2736.000	3050.000	0.000	0.000	0.000	0.000	0.000

X3	10.000	0.000	0.000	0.000	0.000	0.000	0.000	41.000	43.000	0.000
BT	12.000	1763.000	37.500	0.000	2078.000	36.600	0.000	2146.000	36.500	0.000
BT	2736.000	36.000	0.000	2736.000	36.000	33.000	3040.000	36.500	33.500	3040.000
BT	36.500	0.000	4565.000	42.500	0.000	4565.000	42.500	39.500	4650.000	43.000
BT	43.000	4650.000	43.000	0.000	5407.000	44.500	0.000	0.000	0.000	0.000
GR	42.200	0.000	43.200	127.000	44.700	238.000	44.900	356.000	46.300	495.000
GR	46.200	577.000	46.200	601.000	44.700	682.000	40.500	819.000	40.300	944.000
GR	40.200	1108.000	40.700	1275.000	41.300	1434.000	41.700	1598.000	41.400	1727.000
GR	40.600	1763.000	22.900	1802.000	19.500	1885.000	18.200	2000.000	17.600	2078.000
GR	18.000	2146.000	16.700	2224.000	18.900	2294.000	21.000	2350.000	20.600	2432.000
GR	19.200	2517.000	19.500	2578.000	18.100	2651.000	19.400	2677.000	17.100	2736.000
GR	18.500	2772.000	17.500	2872.000	20.700	2955.000	18.700	2988.000	21.700	3012.000
GR	21.100	3040.000	22.000	3102.000	21.700	3178.000	20.000	3272.000	22.600	3310.000
GR	21.900	3422.000	21.700	3500.000	22.300	3600.000	22.300	3690.000	21.900	3796.000
GR	21.400	3957.000	20.900	4150.000	21.300	4331.000	22.400	4565.000	23.200	4650.000
GR	23.800	4712.000	26.500	4881.000	33.300	5140.000	36.800	5233.000	37.700	5286.000
GR	44.500	5407.000	44.600	5510.000	45.400	5541.000	45.000	5621.000	0.000	0.000
ET	113.000	0.000	4.100	1990.000	2430.000	0.000	0.000	0.000	0.000	0.000
X1	113.000	65.000	2219.000	2404.000	100.000	100.000	100.000	0.000	0.000	0.000
X3	10.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
GR	50.300	0.000	47.200	65.000	41.600	184.000	40.200	335.000	40.300	514.000
GR	42.200	685.000	43.000	936.000	42.200	1037.000	43.500	1076.000	19.500	1138.000
GR	18.900	1200.000	18.900	1355.000	19.000	1500.000	19.700	1521.000	19.300	1522.000
GR	23.300	1529.000	17.300	1567.000	17.300	1597.000	17.300	1612.000	17.300	1651.000
GR	17.300	1704.000	17.300	1758.000	17.300	1795.000	17.300	1809.000	17.300	1840.000
GR	23.200	1872.000	19.500	1884.000	18.400	2022.000	19.000	2066.000	18.700	2089.000
GR	17.300	2124.000	21.000	2180.000	21.800	2219.000	17.300	2266.000	17.300	2307.000
GR	18.500	2348.000	20.900	2404.000	21.000	2504.000	21.400	2602.000	21.100	2714.000
GR	20.800	2768.000	23.500	2807.000	21.500	2911.000	22.300	3004.000	22.300	3095.000
GR	26.400	3127.000	21.700	3156.000	21.200	3272.000	21.400	3421.000	21.900	3537.000
GR	22.100	3629.000	21.800	3732.000	23.400	3761.000	24.000	3885.000	24.500	3929.000
GR	24.200	3971.000	26.200	4173.000	30.900	4363.000	33.100	4379.000	33.200	4413.000
GR	36.800	4521.000	38.900	4584.000	43.200	4613.000	46.700	4729.000	50.000	4890.000
ET	113.100	0.000	4.100	710.000	1450.000	0.000	0.000	0.000	0.000	0.000
X1	113.100	41.000	1228.000	1290.000	250.000	280.000	280.000	0.000	0.000	0.000
X3	10.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
GR	30.500	0.000	23.000	40.000	19.000	70.000	19.000	80.000	20.000	282.000
GR	20.400	388.000	20.200	490.000	20.200	510.000	20.000	527.000	17.800	550.000
GR	17.800	663.000	20.000	722.000	18.200	760.000	21.500	800.000	21.500	933.000
GR	25.000	950.000	27.000	1052.000	25.300	1161.000	23.500	1213.000	23.500	1228.000
GR	17.800	1240.000	18.700	1290.000	23.000	1397.000	23.700	1545.000	22.400	1596.000
GR	23.000	1700.000	22.500	1840.000	25.000	1980.000	25.200	2041.000	24.000	2106.000
GR	21.800	2238.000	22.400	2351.000	25.300	2467.000	27.200	2605.000	26.000	2640.000
GR	26.000	2680.000	26.300	2808.000	26.300	2860.000	29.500	2902.000	31.400	2977.000
GR	31.700	3190.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NC	0.000	0.000	0.000	0.100	0.300	0.000	0.000	0.000	0.000	0.000
ET	114.000	0.000	4.100	970.000	1990.000	0.000	0.000	0.000	0.000	0.000
X1	114.000	36.000	1691.000	1785.000	400.000	400.000	400.000	0.000	0.000	0.000
GR	50.000	0.000	48.900	210.000	48.200	352.000	22.900	425.000	22.600	463.000
GR	23.800	717.000	23.800	1061.000	19.800	1098.000	18.900	1145.000	25.000	1197.000
GR	23.500	1317.000	18.700	1347.000	19.200	1446.000	22.600	1528.000	21.500	1617.000
GR	26.000	1660.000	25.300	1691.000	18.400	1732.000	18.400	1738.000	24.200	1764.000
GR	28.600	1785.000	23.000	1814.000	23.000	1851.000	20.500	1874.000	19.700	2045.000
GR	22.400	2067.000	21.700	2242.000	25.900	2257.000	24.300	2505.000	27.900	2817.000
GR	28.400	3127.000	31.100	3424.000	32.100	3753.000	32.600	3836.000	48.100	3867.000
GR	50.000	3959.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ET	115.000	0.000	4.100	545.000	1770.000	0.000	0.000	0.000	0.000	0.000
X1	115.000	31.000	1486.000	1543.000	330.000	330.000	330.000	0.000	0.000	0.000
GR	50.000	0.000	24.400	140.000	25.600	415.000	25.500	747.000	22.400	909.000
GR	23.600	1028.000	20.000	1061.000	20.000	1081.000	24.100	1098.000	25.300	1142.000

GR	26.500	1674.000	23.900	1687.000	23.300	1798.000	26.600	2063.000	28.200	2286.000
GR	29.900	2687.000	31.000	2974.000	33.100	3323.000	38.900	3572.000	42.900	3595.000
GR	50.000	3808.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ET	116.000	0.000	4.100	575.000	1845.000	0.000	0.000	0.000	0.000	0.000
X1	116.000	28.000	1592.000	1655.000	400.000	400.000	400.000	0.000	0.000	0.000
X3	10.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
GR	50.000	0.000	26.800	65.000	26.100	286.000	26.700	645.000	24.100	851.000
GR	21.300	883.000	21.300	919.000	25.500	932.000	27.600	1150.000	33.900	1159.000
GR	33.800	1179.000	28.300	1183.000	27.900	1263.000	30.300	1443.000	30.600	1592.000
GR	19.500	1623.000	28.800	1655.000	25.100	1696.000	28.300	1997.000	30.600	2236.000
GR	30.600	2516.000	31.500	2892.000	33.400	2904.000	33.000	2962.000	32.800	3296.000
GR	37.300	3595.000	40.700	3610.000	50.000	3774.000	0.000	0.000	0.000	0.000
ET	117.000	0.000	4.100	720.000	2055.000	0.000	0.000	0.000	0.000	0.000
X1	117.000	36.000	1869.000	1948.000	360.000	240.000	320.000	0.000	0.000	0.000
GR	50.000	0.000	29.700	53.000	28.500	386.000	27.100	621.000	27.800	859.000
GR	27.800	1048.000	32.200	1120.000	32.800	1156.000	40.700	1187.000	33.300	1238.000
GR	52.400	1288.000	29.200	1322.000	29.300	1442.000	27.900	1658.000	27.800	1763.000
GR	31.600	1779.000	35.300	1817.000	30.400	1837.000	30.200	1869.000	20.000	1898.000
GR	20.300	1922.000	27.600	1948.000	29.300	2132.000	29.600	2237.000	29.900	2366.000
GR	32.400	2504.000	31.600	2793.000	35.000	3065.000	36.300	3105.000	34.900	3141.000
GR	35.300	3357.000	37.600	3589.000	38.800	3756.000	44.300	3780.000	46.900	3909.000
GR	50.000	4000.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NC	0.000	0.000	0.000	0.400	0.500	0.000	0.000	0.000	0.000	0.000
ET	118.000	0.000	4.100	435.000	1875.000	0.000	0.000	0.000	0.000	0.000
X1	118.000	39.000	1660.000	1832.000	430.000	370.000	340.000	0.000	0.000	0.000
GR	50.000	0.000	34.100	49.000	29.100	107.000	27.600	360.000	29.500	377.000
GR	28.900	449.000	28.900	463.000	28.900	653.000	28.900	696.000	28.300	740.000
GR	28.500	936.000	30.900	1078.000	28.200	1219.000	28.300	1293.000	30.500	1299.000
GR	31.200	1327.000	28.700	1342.000	34.800	1381.000	28.000	1420.000	27.000	1550.000
GR	31.900	1618.000	38.200	1660.000	29.100	1681.000	29.300	1699.000	21.700	1721.000
GR	21.700	1753.000	26.200	1773.000	26.200	1832.000	33.100	1871.000	33.800	2124.000
GR	34.700	2341.000	35.300	2558.000	37.600	2818.000	38.900	2862.000	37.700	2902.000
GR	38.200	3204.000	41.700	3446.000	43.800	3574.000	50.000	3722.000	0.000	0.000
ET	119.000	0.000	4.100	1155.000	1625.000	0.000	0.000	0.000	0.000	0.000
X1	119.000	34.000	1194.000	1624.000	960.000	710.000	1110.000	0.000	0.000	0.000
X3	10.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
GR	50.000	0.000	46.600	27.000	41.100	265.000	39.000	444.000	34.600	509.000
GR	32.900	603.000	31.200	773.000	30.400	872.000	31.600	974.000	28.300	1104.000
GR	27.000	1194.000	24.600	1203.000	26.600	1220.000	28.300	1349.000	29.100	1462.000
GR	27.800	1584.000	41.300	1624.000	39.400	1747.000	38.000	1925.000	37.400	2041.000
GR	37.700	2183.000	39.400	2190.000	39.400	2215.000	37.400	2291.000	38.600	2461.000
GR	39.100	2663.000	41.700	2856.000	42.500	2966.000	42.300	3045.000	42.400	3243.000
GR	42.700	3368.000	42.900	3439.000	46.000	3463.000	50.000	3626.000	0.000	0.000
SB	0.900	1.250	2.500	0.000	400.000	100.000	3725.000	1.000	27.000	25.200
ET	121.000	0.000	4.100	1234.000	1673.000	0.000	0.000	0.000	0.000	0.000
X1	121.000	46.000	1234.000	1672.000	95.000	95.000	95.000	0.000	0.000	0.000
X2	0.000	0.000	1.000	39.000	39.500	0.000	0.000	0.000	0.000	0.000
X3	10.000	0.000	0.000	0.000	0.000	0.000	0.000	39.500	39.500	0.000
BT	10.000	0.000	50.000	0.000	283.000	44.000	0.000	438.000	42.000	0.000
BT	892.000	40.000	0.000	1234.000	39.500	0.000	1234.000	39.500	38.000	1417.000
BT	40.500	39.000	1672.000	39.500	38.000	1672.000	39.500	0.000	1719.000	39.600
BT	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
GR	50.000	0.000	42.300	44.000	42.000	138.000	40.800	283.000	36.000	438.000
GR	32.400	568.000	30.700	729.000	31.100	804.000	33.200	892.000	31.900	1004.000
GR	28.800	1138.000	28.800	1234.000	28.400	1279.000	30.600	1356.000	30.700	1417.000
GR	28.700	1474.000	31.200	1562.000	31.000	1597.000	24.900	1621.000	24.900	1638.000
GR	37.800	1672.000	39.600	1719.000	39.200	1821.000	38.900	1923.000	38.100	2008.000
GR	39.400	2042.000	38.600	2161.000	38.700	2344.000	39.000	2469.000	39.400	2500.000
GR	37.800	2505.000	40.000	2550.000	39.700	2574.000	39.700	2642.000	39.000	2665.000

GR	50.000	3669.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ET	122.000	0.000	4.100	440.000	1500.000	0.000	0.000	0.000	0.000	0.000
X1	122.000	49.000	965.000	1090.000	550.000	790.000	650.000	0.000	0.000	0.000
X3	10.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
GR	50.000	0.000	43.400	13.000	42.700	117.000	40.400	169.000	38.200	212.000
GR	36.300	313.000	36.000	373.000	33.500	385.000	33.600	408.000	34.500	419.000
GR	28.800	490.000	25.800	532.000	25.800	701.000	30.800	761.000	25.600	788.000
GR	28.300	830.000	33.800	942.000	35.000	965.000	30.000	992.000	30.400	1021.000
GR	29.500	1028.000	29.500	1080.000	35.800	1090.000	35.600	1138.000	32.300	1145.000
GR	32.300	1206.000	34.200	1216.000	34.600	1234.000	28.000	1248.000	28.000	1274.000
GR	34.000	1284.000	34.400	1430.000	50.200	1466.000	46.300	1484.000	35.400	1515.000
GR	35.200	1623.000	36.000	1698.000	36.000	1759.000	38.400	1834.000	41.900	1899.000
GR	41.900	2001.000	44.000	2124.000	45.400	2201.000	47.300	2324.000	48.600	2450.000
GR	50.700	2635.000	49.400	2647.000	50.600	2674.000	50.000	2704.000	0.000	0.000
NC	0.000	0.000	0.000	0.100	0.300	0.000	0.000	0.000	0.000	0.000
ET	123.000	0.000	4.100	275.000	1385.000	0.000	0.000	0.000	0.000	0.000
X1	123.000	55.000	814.000	977.000	850.000	850.000	850.000	0.000	0.000	0.000
X3	10.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
GR	75.000	0.000	66.000	15.000	65.800	31.000	48.700	63.000	45.900	139.000
GR	37.100	214.000	39.300	221.000	39.200	233.000	34.200	254.000	34.200	269.000
GR	29.200	310.000	30.500	362.000	28.000	377.000	27.600	431.000	25.900	439.000
GR	28.500	454.000	27.800	506.000	28.800	574.000	28.400	621.000	28.600	694.000
GR	29.800	745.000	29.600	788.000	28.600	799.000	32.300	814.000	32.300	853.000
GR	29.200	873.000	29.000	908.000	31.000	920.000	31.000	937.000	33.800	949.000
GR	33.800	977.000	30.100	1001.000	34.400	1070.000	29.600	1112.000	28.200	1187.000
GR	28.200	1328.000	30.400	1358.000	28.200	1375.000	28.200	1423.000	32.800	1440.000
GR	33.000	1475.000	45.900	1510.000	48.400	1547.000	41.700	1559.000	42.100	1612.000
GR	42.300	1634.000	32.500	1662.000	36.100	1708.000	34.400	1768.000	49.700	1823.000
GR	49.400	1908.000	50.600	2060.000	52.500	2227.000	54.400	2453.000	55.000	2515.000
ET	124.000	0.000	4.100	80.000	1015.000	0.000	0.000	0.000	0.000	0.000
X1	124.000	30.000	606.000	853.000	860.000	800.000	900.000	0.000	0.000	0.000
GR	75.000	0.000	66.000	25.000	34.100	63.000	34.200	77.000	27.000	93.000
GR	27.000	312.000	27.800	408.000	29.100	448.000	29.500	501.000	29.500	530.000
GR	28.200	575.000	29.400	606.000	27.700	631.000	27.800	738.000	27.800	829.000
GR	31.400	853.000	33.600	879.000	32.300	954.000	35.700	998.000	30.000	1012.000
GR	28.600	1151.000	29.000	1343.000	39.300	1355.000	46.700	1395.000	45.600	1434.000
GR	47.800	1503.000	50.600	1598.000	52.200	1720.000	52.900	1873.000	55.000	2042.000
ET	125.000	0.000	4.100	105.000	1022.000	0.000	0.000	0.000	0.000	0.000
X1	125.000	42.000	452.000	815.000	490.000	480.000	550.000	0.000	0.000	0.000
GR	75.000	0.000	41.800	36.000	41.100	59.000	31.100	99.000	30.600	224.000
GR	30.500	283.000	31.300	321.000	29.800	347.000	27.300	366.000	29.700	380.000
GR	29.200	420.000	36.100	452.000	32.400	479.000	27.000	511.000	27.000	557.000
GR	27.400	638.000	28.900	647.000	27.000	653.000	27.000	801.000	33.100	815.000
GR	31.900	833.000	27.000	836.000	27.000	869.000	29.800	879.000	30.100	943.000
GR	30.000	982.000	32.300	1033.000	36.000	1043.000	28.200	1050.000	28.200	1282.000
GR	29.000	1294.000	28.200	1309.000	28.200	1468.000	39.800	1478.000	49.500	1501.000
GR	50.800	1542.000	50.200	1575.000	50.200	1674.000	52.500	1752.000	52.800	1824.000
GR	54.400	1847.000	55.000	1983.000	0.000	0.000	0.000	0.000	0.000	0.000
NC	0.000	0.000	0.000	0.400	0.500	0.000	0.000	0.000	0.000	0.000
ET	125.100	0.000	4.100	265.000	935.000	0.000	0.000	0.000	0.000	0.000
X1	125.100	26.000	365.000	630.000	280.000	220.000	260.000	0.000	0.000	0.000
X3	10.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
GR	84.000	0.000	50.000	53.000	37.300	85.000	36.400	140.000	34.800	178.000
GR	32.500	190.000	32.500	205.000	28.000	233.000	27.500	305.000	28.900	322.000
GR	35.500	335.000	38.000	365.000	-27.000	385.000	-27.000	618.000	33.000	630.000
GR	35.500	667.000	28.000	700.000	28.000	1117.000	34.500	1167.000	33.200	1195.000
GR	27.500	1210.000	27.500	1265.000	33.500	1275.000	42.800	1320.000	50.300	1385.000
GR	52.000	1447.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ET	126.000	0.000	4.100	539.000	943.000	0.000	0.000	0.000	0.000	0.000

X3	10.000	0.000	0.000	0.000	0.000	0.000	0.000	53.900	51.700	126.000
GR	75.000	0.000	59.000	29.000	54.700	100.000	50.300	133.000	49.700	181.000
GR	41.900	205.000	33.200	256.000	33.000	368.000	36.900	448.000	39.500	539.000
GR	40.100	588.000	34.400	613.000	39.100	646.000	35.300	677.000	38.200	746.000
GR	32.300	843.000	33.600	904.000	38.900	942.000	40.500	1052.000	44.700	1163.000
GR	42.300	1255.000	45.700	1368.000	50.000	1470.000	49.800	1573.000	52.800	1623.000
GR	53.900	1708.000	54.100	1771.000	54.300	1930.000	54.500	2094.000	55.000	2126.000
SB	0.900	1.250	2.500	0.000	450.000	44.800	8104.000	0.000	33.600	33.200
ET	128.000	0.000	4.100	1102.000	1541.000	0.000	0.000	0.000	0.000	0.000
X1	128.000	31.000	1102.000	1540.000	84.000	84.000	84.000	0.000	0.000	0.000
X2	0.000	0.000	1.000	53.900	55.000	0.000	0.000	0.000	0.914	0.000
X3	10.000	0.000	0.000	0.000	0.000	0.000	0.000	57.900	55.700	0.000
BT	9.000	0.000	75.000	0.000	310.000	74.500	0.000	625.000	60.000	0.000
BT	907.000	58.800	0.000	1102.000	58.100	0.000	1102.000	58.100	54.900	1540.000
BT	55.700	52.500	1540.000	55.700	0.000	2776.000	55.000	0.000	0.000	0.000
GR	75.000	0.000	68.200	153.000	62.600	310.000	57.600	410.000	53.700	506.000
GR	49.800	590.000	50.000	606.000	56.100	625.000	49.800	718.000	47.300	801.000
GR	52.400	907.000	47.600	1025.000	42.500	1102.000	38.400	1120.000	39.000	1170.000
GR	35.900	1282.000	32.700	1500.000	38.500	1540.000	43.600	1583.000	42.400	1686.000
GR	44.700	1764.000	44.300	1855.000	52.400	1881.000	52.100	1981.000	50.800	2010.000
GR	49.700	2028.000	51.500	2100.000	52.400	2205.000	53.200	2378.000	53.500	2568.000
GR	55.000	2776.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NC	0.000	0.000	0.000	0.100	0.300	0.000	0.000	0.000	0.000	0.000
ET	128.100	0.000	4.100	505.000	981.000	0.000	0.000	0.000	0.000	0.000
X1	128.100	35.000	673.000	980.000	80.000	170.000	100.000	0.000	0.000	0.000
GR	70.000	0.000	68.000	22.000	57.000	53.000	53.500	105.000	52.000	148.000
GR	47.000	167.000	47.000	190.000	42.500	210.000	41.000	245.000	38.500	275.000
GR	37.000	375.000	34.800	458.000	39.000	628.000	39.500	673.000	37.500	700.000
GR	32.700	830.000	32.700	900.000	38.600	980.000	41.700	1032.000	41.000	1125.000
GR	41.500	1185.000	43.800	1285.000	44.600	1370.000	44.600	1380.000	48.300	1410.000
GR	56.500	1440.000	56.400	1520.000	53.700	1607.000	53.700	1673.000	55.000	1725.000
GR	57.500	1838.000	59.700	1992.000	58.600	2030.000	58.600	2060.000	63.000	2168.000
ET	129.000	0.000	4.100	500.000	1040.000	0.000	0.000	0.000	0.000	0.000
X1	129.000	33.000	903.000	1014.000	230.000	380.000	380.000	0.000	0.000	0.000
X3	10.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
GR	75.000	0.000	71.400	134.000	71.200	185.000	46.600	226.000	49.100	298.000
GR	35.300	328.000	33.900	428.000	33.400	555.000	33.400	663.000	36.500	708.000
GR	36.500	737.000	40.100	769.000	40.800	839.000	39.300	903.000	34.800	929.000
GR	34.100	1014.000	40.100	1052.000	42.700	1102.000	40.100	1206.000	41.200	1237.000
GR	38.200	1264.000	42.700	1374.000	45.500	1402.000	45.600	1482.000	53.400	-1511.000
GR	55.900	1668.000	59.200	1784.000	60.200	1983.000	62.300	2145.000	69.000	2240.000
GR	70.800	2380.000	72.400	2501.000	75.000	2630.000	0.000	0.000	0.000	0.000
NC	0.040	0.040	0.040	0.100	0.300	0.000	0.000	0.000	0.000	0.000
ET	130.000	0.000	4.100	380.000	920.000	0.000	0.000	0.000	0.000	0.000
X1	130.000	29.000	411.000	628.000	690.000	970.000	830.000	0.000	0.000	0.000
GR	75.000	0.000	64.900	23.000	62.100	48.000	48.100	124.000	47.400	146.000
GR	43.200	205.000	41.400	258.000	45.500	309.000	46.700	364.000	33.600	411.000
GR	33.600	515.000	36.400	575.000	40.100	628.000	39.600	690.000	44.100	722.000
GR	45.700	767.000	44.100	808.000	40.400	843.000	39.300	906.000	42.600	941.000
GR	42.700	1047.000	43.100	1152.000	43.600	1216.000	51.900	1281.000	54.000	1324.000
GR	62.400	1382.000	63.600	1533.000	65.200	1743.000	75.000	1985.000	0.000	0.000
ET	131.000	0.000	4.100	515.000	1190.000	0.000	0.000	0.000	0.000	0.000
X1	131.000	33.000	926.000	1034.000	900.000	935.000	1050.000	0.000	0.000	0.000
GR	75.000	0.000	59.000	51.000	55.800	129.000	48.100	165.000	42.300	208.000
GR	44.000	242.000	50.200	301.000	43.500	346.000	42.400	444.000	48.500	475.000
GR	38.000	533.000	34.200	559.000	41.600	603.000	41.600	661.000	35.800	692.000
GR	39.200	740.000	42.500	807.000	40.300	873.000	39.300	926.000	35.600	949.000
GR	34.900	980.000	43.100	1034.000	39.200	1081.000	40.500	1148.000	38.500	1173.000
GR	42.800	1215.000	42.500	1247.000	57.200	1271.000	70.700	1354.000	71.400	1436.000

X1	132.000	28.000	597.000	868.000	450.000	450.000	510.000	0.000	0.000	0.000
GR	75.000	0.000	46.100	72.000	49.300	164.000	48.600	217.000	41.300	256.000
GR	45.300	333.000	38.800	377.000	45.000	465.000	46.400	552.000	46.700	597.000
GR	39.300	619.000	43.800	665.000	45.700	686.000	38.800	732.000	41.800	779.000
GR	43.300	868.000	40.900	889.000	42.200	989.000	45.700	1029.000	45.400	1048.000
GR	48.800	1066.000	49.800	1104.000	54.800	1135.000	60.000	1199.000	62.300	1275.000
GR	68.100	1315.000	68.900	1351.000	75.000	1364.000	0.000	0.000	0.000	0.000
ET	133.000	0.000	4.100	150.000	605.000	0.000	0.000	0.000	0.000	0.000
X1	133.000	33.000	419.000	472.000	700.000	700.000	700.000	0.000	0.000	0.000
GR	80.000	0.000	56.500	46.000	56.300	68.000	61.000	89.000	60.900	121.000
GR	50.700	156.000	49.900	264.000	53.400	308.000	47.000	352.000	45.800	419.000
GR	42.700	442.000	47.600	472.000	46.100	492.000	49.300	519.000	46.200	541.000
GR	49.500	568.000	47.700	596.000	56.100	662.000	58.400	771.000	56.100	823.000
GR	58.400	895.000	59.300	916.000	57.400	946.000	61.600	992.000	57.800	1025.000
GR	67.000	1066.000	68.200	1111.000	65.500	1129.000	72.100	1169.000	75.300	1243.000
GR	76.800	1322.000	76.300	1351.000	80.000	1412.000	0.000	0.000	0.000	0.000
ET	133.100	0.000	4.100	30.000	492.000	0.000	0.000	0.000	0.000	0.000
X1	133.100	35.000	380.000	426.000	210.000	200.000	200.000	0.000	0.000	0.000
X3	10.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
GR	71.000	0.000	50.000	30.000	44.500	50.000	42.700	73.000	45.400	110.000
GR	45.800	145.000	45.800	160.000	45.300	177.000	51.000	213.000	53.800	262.000
GR	51.600	300.000	48.700	380.000	42.700	405.000	49.200	426.000	50.000	500.000
GR	56.500	535.000	59.200	590.000	57.000	627.000	54.000	645.000	57.300	670.000
GR	60.800	695.000	61.200	760.000	60.000	805.000	58.300	820.000	58.300	840.000
GR	60.300	858.000	57.500	906.000	60.200	953.000	66.400	977.000	63.000	1000.000
GR	63.000	1020.000	70.500	1040.000	72.300	1122.000	74.000	1190.000	78.000	1290.000
ET	133.200	0.000	4.100	46.000	493.000	0.000	0.000	0.000	0.000	0.000
X1	133.200	34.000	354.000	425.000	280.000	260.000	280.000	0.000	0.000	0.000
GR	75.000	0.000	53.700	23.000	46.500	70.000	45.000	117.000	48.500	143.000
GR	50.300	170.000	50.400	233.000	47.000	255.000	47.000	270.000	47.500	300.000
GR	49.200	354.000	42.700	376.000	42.700	413.000	49.200	425.000	53.200	463.000
GR	49.800	490.000	54.000	515.000	60.300	575.000	57.000	622.000	60.000	695.000
GR	60.500	760.000	60.800	780.000	60.800	800.000	59.500	850.000	61.800	920.000
GR	67.000	960.000	62.700	990.000	67.700	1045.000	73.000	1105.000	72.400	1140.000
GR	72.400	1155.000	73.800	1210.000	76.500	1250.000	77.000	1305.000	0.000	0.000
ET	134.000	0.000	4.100	44.000	490.000	0.000	0.000	0.000	0.000	0.000
X1	134.000	25.000	274.000	471.000	250.000	230.000	240.000	0.000	0.000	0.000
GR	80.000	0.000	49.800	45.000	49.300	81.000	51.900	106.000	51.400	209.000
GR	46.700	230.000	54.600	274.000	50.300	301.000	48.700	352.000	42.800	369.000
GR	47.800	407.000	59.200	471.000	59.200	489.000	51.600	533.000	58.400	591.000
GR	59.000	703.000	61.400	813.000	61.900	840.000	59.300	860.000	59.100	951.000
GR	75.500	1014.000	74.800	1123.000	76.500	1305.000	77.000	1347.000	80.000	1365.000
ET	134.100	0.000	4.100	30.000	445.000	0.000	0.000	0.000	0.000	0.000
X1	134.100	29.000	320.000	375.000	220.000	200.000	210.000	0.000	0.000	0.000
GR	61.400	0.000	58.500	23.000	54.000	47.000	51.200	115.000	50.300	162.000
GR	53.000	222.000	51.500	280.000	50.000	320.000	47.200	345.000	52.600	375.000
GR	56.800	435.000	59.000	520.000	56.000	570.000	59.500	600.000	58.700	648.000
GR	58.700	665.000	62.000	700.000	62.400	765.000	63.500	790.000	63.500	815.000
GR	63.500	875.000	65.000	922.000	63.700	964.000	68.600	990.000	74.000	1010.000
GR	75.500	1057.000	76.600	1148.000	78.000	1190.000	78.200	1305.000	0.000	0.000
ET	135.000	0.000	4.100	113.000	495.000	0.000	0.000	0.000	0.000	0.000
X1	135.000	20.000	154.000	239.000	180.000	160.000	170.000	0.000	0.000	0.000
X3	10.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
GR	85.000	0.000	55.800	102.000	47.700	154.000	47.900	191.000	55.900	239.000
GR	53.700	337.000	50.400	388.000	57.900	461.000	52.600	544.000	59.000	609.000
GR	59.600	710.000	64.300	762.000	62.100	802.000	64.100	862.000	64.500	888.000
GR	64.100	963.000	75.300	996.000	76.500	1125.000	78.000	1327.000	80.000	1399.000

X1	135.000	22.000	213.000	281.000	530.000	510.000	520.000	0.000	0.000	0.000
GR	100.000	0.000	86.100	68.000	62.700	131.000	60.300	166.000	59.900	213.000
GR	49.600	242.000	59.900	281.000	54.200	305.000	58.400	336.000	53.700	359.000
GR	57.000	393.000	56.400	467.000	60.000	495.000	58.100	576.000	58.400	648.000
GR	56.400	721.000	64.300	784.000	61.300	878.000	72.100	912.000	72.500	952.000
GR	76.100	1036.000	80.000	1094.000	0.000	0.000	0.000	0.000	0.000	0.000
ET	137.000	0.000	4.100	300.000	730.000	0.000	0.000	0.000	0.000	0.000
X1	137.000	19.000	536.000	663.000	410.000	390.000	440.000	0.000	0.000	0.000
X3	10.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
GR	100.000	0.000	78.200	100.000	72.200	146.000	72.600	174.000	71.600	228.000
GR	71.000	281.000	63.700	312.000	60.500	366.000	64.100	473.000	65.000	536.000
GR	57.800	583.000	57.800	631.000	63.400	663.000	60.800	785.000	65.000	836.000
GR	70.900	885.000	70.900	904.000	73.100	956.000	90.000	1017.000	0.000	0.000
ET	138.000	0.000	4.100	400.000	995.000	0.000	0.000	0.000	0.000	0.000
EJ	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

CCHV= 0.100 CEHV= 0.300

3265 DIVIDED FLOW

3280 CROSS SECTION 102.20 EXTENDED 0.90 FEET

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST
102.20	9.00	12.60	0.00	12.60	12.84	0.24	0.00	0.00	5.00
50000.	43760.	6010.	230.	11937.	1047.	77.	0.	0.	6.00
0.00	3.67	5.74	3.01	0.040	0.040	0.040	0.000	3.60	395.78
0.001450	0.	0.	0.	0	0	1	0.00	3560.70	4090.00

C SECTIONS FROM LEFT TO RIGHT LOOKING DOWNSTREAM

FLOW DISTRIBUTION

STA=	396.	1150.	1865.	2110.	2418.	3205.	3345.	3413.	3565.	3665.	3825.	3880.	4008.
STA=	4090.												
PER Q=	25.3	24.8	4.2	4.8	3.6	3.1	3.4	4.7	4.5	4.6	4.6	12.0	
PER Q=	0.5												
AREA=	3300.7	3217.5	716.3	858.7	992.5	437.2	362.1	609.3	520.0	505.7	417.0	1047.1	
AREA=	76.5												
VEL=	3.8	3.9	2.9	2.8	1.8	3.5	4.7	3.9	4.3	4.6	5.5	5.7	
VEL=	3.0												

3265 DIVIDED FLOW

3280 CROSS SECTION 102.30 EXTENDED 0.93 FEET

102.30	10.23	13.63	0.00	0.00	13.92	0.28	1.06	0.01	5.00
50000.	42599.	6850.	550.	11148.	1064.	162.	218.	59.	6.20
0.05	3.82	6.44	3.39	0.040	0.040	0.040	0.011	3.40	41.10
0.001494	800.	200.	500.	2	0	1	0.00	3046.17	3182.00

FLOW DISTRIBUTION

STA=	41.	250.	868.	1055.	1455.	1640.	2037.	2252.	2378.	2500.	2625.	2695.	2835.
STA=	2940.	2975.	3087.	3182.									
PER Q=	3.3	30.7	5.8	4.7	3.6	5.3	4.1	3.6	3.6	3.4	3.8	4.0	
PER Q=	6.3	3.0	13.7	1.1									
AREA=	552.7	3419.4	778.5	933.2	579.6	993.5	663.9	467.1	492.6	485.4	403.3	455.2	
AREA=	653.0	270.7	1064.3	162.2									
VEL=	3.0	4.5	3.7	2.5	3.1	2.7	3.1	3.8	3.6	3.5	4.7	4.4	
VEL=	4.8	5.6	6.4	3.4									

3265 DIVIDED FLOW

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT

102.40	10.62	14.82	0.00	0.00	14.95	0.13	1.02	0.02	10.00
50000.	46723.	2673.	604.	16418.	708.	213.	602.	144.	5.00
0.15	2.85	3.78	2.84	0.040	0.040	0.040	0.023	4.20	69.66
0.000615	1150.	860.	480.	2	0	1	0.00	3532.32	3619.92

FLOW DISTRIBUTION

STA=	70.	362.	659.	842.	1205.	1390.	1678.	1900.	2168.	2412.	2600.	2720.	2989.
STA=	3182.	3330.	3433.	3490.	3575.	3620.							
PER Q=	3.6	6.2	3.0	5.7	3.9	6.4	5.2	6.2	5.6	4.5	3.0	5.8	
PER Q=	14.5	10.9	7.8	1.0	5.3	1.2							
AREA=	862.1	1275.8	680.5	1308.3	798.9	1286.9	1025.3	1225.6	1102.5	877.6	579.1	1101.0	
AREA=	1788.8	1349.5	954.6	201.5	707.9	212.7							
VEL=	2.1	2.4	2.2	2.2	2.4	2.5	2.6	2.5	2.5	2.6	2.6	2.6	
VEL=	4.1	4.0	4.1	2.6	3.8	2.8							

3265 DIVIDED FLOW

103.00	10.90	15.00	0.00	0.00	15.14	0.14	0.18	0.00	15.50
50000.	47067.	2712.	221.	16074.	713.	90.	713.	169.	6.30
0.18	2.93	3.80	2.46	0.040	0.040	0.040	0.026	4.10	497.46
0.000686	280.	330.	420.	2	0	1	0.00	3984.45	4516.74

FLOW DISTRIBUTION

STA=	497.	1146.	1601.	1827.	2122.	2386.	2794.	3153.	3287.	3434.	3558.	3651.	3771.
STA=	3895.	4054.	4170.	4265.	4372.	4401.	4496.	4517.					
PER Q=	4.7	6.2	3.1	4.5	3.3	5.5	4.1	3.2	6.1	5.1	3.5	3.5	
PER Q=	8.2	10.5	7.2	6.5	8.1	0.7	5.4	0.4					
AREA=	1179.9	1454.8	733.6	1016.6	804.1	1303.4	1033.3	533.8	918.2	774.5	553.0	597.8	
AREA=	1028.7	1319.1	927.5	802.4	962.6	130.5	713.2	90.2					
VEL=	2.0	2.1	2.1	2.2	2.0	2.1	2.0	3.0	3.3	3.3	3.2	3.0	
VEL=	4.0	4.0	3.9	4.0	4.2	2.6	3.8	2.5					

CCHV= 0.400 CEHV= 0.500

3265 DIVIDED FLOW

104.00	10.71	15.91	0.00	0.00	16.17	0.26	0.97	0.06	12.30
50000.	25642.	2486.	21872.	8204.	374.	4660.	987.	249.	11.10
0.24	3.13	6.65	4.69	0.040	0.040	0.040	0.034	5.20	810.78
0.002289	660.	1100.	1400.	2	0	1	0.00	5244.17	6236.07

FLOW DISTRIBUTION

STA=	811.	1003.	1320.	1555.	1834.	2679.	3028.	3366.	3643.	3989.	4616.	4787.	4928.
STA=	5087.	5137.	5267.	5388.	5576.	5750.	5937.	6102.	6211.	6236.			
PER Q=	4.7	3.8	3.1	3.1	3.3	3.9	4.4	5.5	3.5	4.2	3.6	3.6	
PER Q=	4.7	5.0	6.2	5.7	8.7	6.9	7.6	4.1	3.6	0.9			
AREA=	585.6	611.6	470.8	555.6	733.4	687.5	738.0	777.3	640.5	884.6	496.9	457.1	
AREA=	565.4	374.0	618.3	569.4	875.3	740.5	808.8	533.3	414.9	99.8			
VEL=	4.0	3.1	3.3	2.8	2.2	2.8	3.0	3.5	2.7	2.4	3.6	3.9	
VEL=	4.1	6.6	5.0	5.0	5.0	4.7	4.7	3.9	4.3	4.4			

104.10	11.38	17.58	0.00	0.00	17.78	0.20	1.59	0.02	10.20
50000.	14850.	9934.	25216.	4889.	1924.	7965.	1358.	363.	10.00
0.33	3.04	5.16	3.17	0.040	0.040	0.040	0.036	6.20	61.05
0.000927	1270.	1230.	1020.	2	0	1	0.00	3190.87	3251.92

FLOW DISTRIBUTION

STA=	61.	330.	615.	800.	995.	1160.	1285.	1323.	1520.	1660.	1807.	1960.	2150.
STA=	2400.	2550.	2715.	2885.	2965.	3105.	3218.	3252.					
PER Q=	3.1	3.9	3.8	3.8	4.4	8.3	2.5	19.9	4.6	4.0	3.1	4.2	
PER Q=	5.9	3.9	5.6	6.7	3.4	4.5	3.1	1.3					
AREA=	699.5	837.7	690.9	708.1	719.5	947.0	286.1	1923.8	693.2	658.0	566.7	750.5	
AREA=	1019.1	648.9	837.6	948.0	465.1	689.7	505.8	182.2					
VEL=	2.2	2.3	2.7	2.7	3.1	4.4	4.3	5.2	3.3	3.1	2.7	2.8	
VEL=	2.9	3.0	3.3	3.6	3.7	3.3	3.1	3.5					

3685 20 TRIALS USED WSEL,CWSEL

7185 MIN SPECIFIC ENERGY

3720 ASSUMED CRITICAL DEPTH

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST
105.00	8.91	20.01	20.01	0.00	22.93	2.92	0.72	0.00	18.00
50000.	0.	50000.	0.	0.	3644.	0.	1422.	377.	13.60
0.34	0.00	13.72	0.00	0.040	0.040	0.040	0.036	11.10	6384.00
0.013497	400.	320.	230.	30	14	1	0.00	641.00	7025.00

OVERBANK AREA ASSUMED NON-EFFECTIVE,ELLEA= 23.50 ELREA= 23.00

FLOW DISTRIBUTION

STA=	6384.	7025.
PER Q=	100.0	
AREA=	3643.7	
VEL=	13.7	

SPECIAL BRIDGE

5227 DOWNSTREAM ELEV IS 16.63 ,NOT 20.01 HYDRAULIC JUMP OCCURS DOWNSTREAM (IF LOW FLOW CONTROLS)

SB	XK	XKOR	COEQ	RDLEN	BWC	BWP	BAREA	SS	ELCHU	ELCHD
	0.90	1.40	2.50	0.00	461.00	76.00	5148.00	1.50	11.90	11.40

6790 20 TRIALS OF EG NOT ENOUGH
6840,FLOW IS BY WEIR AND LOW FLOW

3301 HV CHANGED MORE THAN HVINS

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

BRIDGE W.S.= 24.04 BRIDGE VELOCITY= 9.35

EGPRS	EGLWC	H3	QWEIR	QPR	BAREA	ELLC	ELTRD	CLASS
21.92	25.39	4.03	1997.	48182.	5148.	24.00	20.00	15.00

```
3470 ENCROACHMENT STATIONS=    1388.0    2110.0  TYPE=     1  TARGET=    722.000
  ELENCL=     24.00  ELENCR=     24.00
    107.00    12.98    25.08     0.00     1.00    25.39     0.32     2.46     0.00    17.10
    50000.       0.   46492.    3508.    1321.    9939.    2162.    1467.     389.    24.00
      0.35     0.00     4.68     1.62    0.040    0.040    0.040    0.037    12.10   159.99
 0.001824     230.     230.     230.        2        0        2     0.00  4062.76  4222.75
```

FLOW DISTRIBUTION

```
STA=     160.     2110.     2161.     2676.     3414.     3614.     3734.     4052.     4162.     4223.
  PER Q=     93.0       0.2       1.9       2.7       0.7       0.4       0.8       0.3       0.1
  AREA=   9939.0      55.0     555.8     796.4     215.8     129.5     279.6      96.7      32.8
   VEL=      4.7       1.7       1.7       1.7       1.7       1.7       1.5       1.5       1.1
```

3301 HV CHANGED MORE THAN HVINS

```
3470 ENCROACHMENT STATIONS=    2650.0    3310.0  TYPE=     1  TARGET=    660.000
    108.00    13.71    26.71     0.00     0.00    27.76     1.05     2.00     0.37    20.90
    50000.     522.   43287.    6191.      88.    5121.     917.    1662.     441.    22.90
      0.38     5.96     8.45     6.75    0.045    0.045    0.045    0.038    13.00  2650.00
 0.003094      780.     830.    1100.        3        0        1     0.00   660.00  3310.00
```

FLOW DISTRIBUTION

```
STA=    2650.     2665.     3182.     3243.     3273.     3310.
  PER Q=      1.0      86.6       4.7       3.5       4.2
  AREA=     87.6    5121.3     380.0     246.1     290.6
   VEL=      6.0       8.5       6.2       7.0       7.3
```

7185 MIN SPECIFIC ENERGY

3720 ASSUMED CRITICAL DEPTH

```
   SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS   BANK ELEV
   Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA     LEFT/RIGHT
   TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN       SSTA
   SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID      ENDST
```

```
3470 ENCROACHMENT STATIONS=    2735.0    3095.0  TYPE=     1  TARGET=    360.000
    109.00     9.47    27.07    27.07     0.00    31.32     4.25     1.45     0.00    17.60
    50000.    16352.   25143.    8505.     991.    1472.     570.    1688.     444.    18.70
      0.38    16.49    17.08    14.93    0.045    0.045    0.045    0.038    17.60  2735.00
 0.014445      250.     250.     250.        3       19        1     0.00   360.00  3095.00
```

FLOW DISTRIBUTION

```
STA=    2735.     2852.     3017.     3095.
  PER Q=     32.7      50.3      17.0
  AREA=    991.3    1472.5     569.5
   VEL=     16.5      17.1      14.9
```

3301 HV CHANGED MORE THAN HVINS

TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

OVERBANK AREA ASSUMED NON-EFFECTIVE,ELLEA= 33.00 ELREA= 40.00

110.00	14.21	30.01	0.00	0.00	32.38	2.37	0.31	0.75	20.10
50000.	0.	50000.	0.	0.	4047.	0.	1691.	445.	18.90
0.39	0.00	12.36	0.00	0.045	0.045	0.045	0.038	15.80	2700.00
0.004773	40.	40.	40.	5	0	1	0.00	320.00	3020.00

FLOW DISTRIBUTION

STA= 2700. 3020.
PER Q= 100.0
AREA= 4046.5
VEL= 12.4

SPECIAL BRIDGE

5227 DOWNSTREAM ELEV IS 22.78 ,NOT 30.01 HYDRAULIC JUMP OCCURS DOWNSTREAM (IF LOW FLOW CONTROLS)

SB	XK	XKOR	COEQ	RDLEN	BWC	BWP	BAREA	SS	ELCHU	ELCHD
	0.90	1.25	3.00	0.00	336.00	100.00	4620.00	1.00	17.00	17.00

CLASS B LOW FLOW

BRIDGE W.S.= 28.01 BRIDGE VELOCITY= 18.39

EGPRS	EGLWC	H3	QWEIR	QPR	BAREA	ELLC	ELTRD	CLASS
32.28	35.50	0.00	0.	50000.	4620.	33.50	36.00	2.00

OVERBANK AREA ASSUMED NON-EFFECTIVE,ELLEA= 41.00 ELREA= 43.00

112.00	16.42	33.52	0.00	0.00	35.50	1.98	3.12	0.00	17.10
50000.	0.	50000.	0.	0.	4430.	0.	1702.	445.	21.10
0.39	0.00	11.29	0.00	0.045	0.045	0.045	0.038	17.10	2736.00
0.003329	110.	110.	110.	0	0	1	0.00	304.00	3040.00

FLOW DISTRIBUTION

STA= 2736. 3040.
PER Q= 100.0
AREA= 4430.5
VEL= 11.3

3301 HV CHANGED MORE THAN HVINS

113.00	18.98	36.28	0.00	0.00	36.29	0.02	0.01	0.78	21.80
50000.	21600.	3650.	24751.	19329.	3246.	26295.	1763.	450.	20.90
0.42	1.12	1.12	0.94	0.045	0.045	0.045	0.038	17.30	1094.66
0.000025	100.	100.	100.	2	0	1	0.00	3410.63	4505.29

FLOW DISTRIBUTION

```
 PER Q=      8.8      5.6      3.6      4.8      4.1      3.1      5.7      4.1      3.3      7.3      3.2      3.0
 PER Q=      3.4      5.5      5.1      4.7      4.5      3.4      5.5      3.6      5.5      2.1
  AREA=   4115.6   2512.3   1653.5   2030.5   1726.9   1366.8   2570.2   1813.8   1539.3   3245.9   1532.6   1477.5
  AREA=   1683.0   2811.3   2608.9   2456.1   2231.5   1696.7   2789.1   1956.1   3267.5   1784.7
   VEL=      1.1      1.1      1.1      1.2      1.2      1.1      1.1      1.1      1.1      1.1      1.0      1.0
   VEL=      1.0      1.0      1.0      1.0      1.0      1.0      1.0      0.9      0.8      0.6

3280 CROSS SECTION     113.10 EXTENDED      5.78 FEET

  SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL       QLOSS   BANK ELEV
  Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL      TWA     LEFT/RIGHT
  TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN      ELMIN     SSTA
  SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR    TOPWID    ENDST

  113.10     18.48     36.28      0.00      0.00     36.30      0.02      0.01      0.00     23.50
   50000.    24390.     1568.    24043.    18307.     1089.    21300.     2038.      470.     18.70
    0.47      1.33      1.44      1.13     0.045     0.045     0.045     0.039     17.80      0.00
0.000043      250.      280.      280.         2         0         1      0.00   3190.00   3190.00

FLOW DISTRIBUTION

STA=       0.      282.      388.      490.      663.      760.      933.     1161.     1228.     1290.     1397.     1545.     1700.
STA=    1840.     1980.     2106.     2238.     2351.     2467.     2640.     2808.     3190.
 PER Q=    12.0       4.7       4.5       9.1       4.8       6.9       4.9       1.8       3.1       4.4       4.6       5.1
 PER Q=     4.6       4.1       3.2       4.3       4.1       3.3       3.4       3.5       3.5
  AREA=  4402.3    1704.6    1630.1    3084.8    1678.4    2623.1    2374.5     809.5    1089.1    1651.1    1913.8    2087.2
  AREA=  1894.3    1754.3    1441.3    1766.3    1602.5    1442.0    1723.1    1708.0    2316.1
   VEL=      1.4       1.4       1.4       1.5       1.4       1.3       1.0       1.1       1.4       1.3       1.2       1.2
   VEL=      1.2       1.2       1.1       1.2       1.3       1.2       1.0       1.0       0.8

CCHV=  0.100 CEHV=  0.300
  114.00     17.90     36.30      0.00      0.00     36.33      0.03      0.02      0.00     25.30
   50000.    24983.     1845.    23172.    17494.     1297.    19227.     2400.      500.     28.60
    0.56      1.43      1.42      1.21     0.045     0.045     0.045     0.039     18.40    386.35
0.000057      400.      400.      400.         0         0         1      0.00   3457.04   3843.39

FLOW DISTRIBUTION

STA=     386.      717.     1061.     1145.     1317.     1446.     1528.     1617.     1691.     1785.     1874.     2045.     2242.
STA=    2505.     2817.     3127.     3424.     3843.
 PER Q=    11.2      11.6       4.2       6.0       7.1       3.9       3.7       2.3       3.7       3.1       8.9       8.4
 PER Q=     7.4       7.5       5.1       3.4       2.6
  AREA=  4099.6    4298.2    1332.7    2191.3    2173.0    1262.4    1267.8     869.4    1297.3    1130.8    2769.3    2828.2
  AREA=  2963.7    3180.7    2524.9    1943.8    1885.6
   VEL=      1.4       1.3       1.6       1.4       1.6       1.5       1.5       1.3       1.4       1.4       1.6       1.5
   VEL=      1.3       1.2       1.0       0.9       0.7

  115.00     17.41     36.31      0.00      0.00     36.35      0.04      0.02      0.00     26.20
   50000.    30069.     1483.    18448.    17658.      836.    14287.     2668.      526.     28.10
    0.62      1.70      1.78      1.29     0.045     0.045     0.045     0.039     18.90     74.86
0.000087       330.      330.      330.         0         0         1      0.00   3386.00   3460.86

FLOW DISTRIBUTION

STA=      75.      415.      747.      909.     1028.     1081.     1172.     1419.     1486.     1543.     1656.     1798.     2063.
STA=    2286.     2687.     2974.     3461.
 PER Q=    10.4      10.7       6.6       5.5       3.0       4.0      17.4       2.5       3.0       3.8       5.8       9.4
 PER Q=     5.3       6.7       3.4       2.6
  AREA=  3498.5    3572.7    2002.5    1584.0     805.1    1179.7    4238.8     776.2     835.7    1237.4    1749.1    3010.7
```

VEL=	1.3	1.2	1.0	0.8

116.00	16.85	36.35	0.00	0.00	36.41	0.06	0.05	0.01	30.60
50000.	31151.	1768.	17082.	14377.	740.	10324.	2935.	558.	28.80
0.67	2.17	2.39	1.65	0.045	0.045	0.045	0.040	19.50	38.27
0.000209	400.	400.	400.	0	0	1	0.00	3492.95	3531.22

FLOW DISTRIBUTION

STA=	38.	286.	645.	851.	919.	1150.	1443.	1592.	1655.	1997.	2236.	2516.	2892.
STA=	3531.												
PER Q=	10.0	15.8	10.6	5.5	10.2	7.5	2.7	3.5	14.2	5.7	4.9	5.8	
PER Q=	3.6												
AREA=	2313.2	3568.5	2253.7	977.9	2302.5	2083.7	877.6	740.1	3286.7	1646.7	1607.2	1989.1	
AREA=	1794.2												
VEL=	2.2	2.2	2.4	2.8	2.2	1.8	1.6	2.4	2.2	1.7	1.5	1.5	
VEL=	1.0												

3265 DIVIDED FLOW

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST
117.00	16.41	36.41	0.00	0.00	36.51	0.10	0.09	0.01	30.20
50000.	33505.	3738.	12757.	12923.	1042.	6308.	3100.	581.	27.60
0.71	2.59	3.59	2.02	0.045	0.045	0.045	0.040	20.00	35.48
0.000396	360.	320.	240.	2	0	1	0.00	3322.00	3469.14

FLOW DISTRIBUTION

STA=	35.	386.	621.	859.	1048.	1442.	1658.	1763.	1869.	1948.	2132.	2237.	2366.
STA=	2793.	3469.											
PER Q=	12.2	11.2	12.1	9.0	7.0	8.7	4.9	1.9	7.5	7.7	3.5	4.0	
PER Q=	7.4	2.9											
AREA=	2493.6	2023.8	2132.9	1627.6	1571.6	1687.3	899.0	486.7	1042.3	1465.0	731.0	859.4	
AREA=	2001.1	1251.8											
VEL=	2.5	2.8	2.8	2.8	2.2	2.6	2.8	1.9	3.6	2.6	2.4	2.3	
VEL=	1.8	1.2											

CCHV= 0.400 CEHV= 0.500

3265 DIVIDED FLOW

118.00	14.88	36.58	0.00	0.00	36.76	0.17	0.21	0.04	38.20
50000.	39284.	7228.	3488.	11921.	1783.	2006.	3269.	609.	26.20
0.74	3.30	4.05	1.74	0.045	0.045	0.045	0.040	21.70	41.35
0.000665	430.	340.	370.	2	0	1	0.00	2647.18	2703.04

FLOW DISTRIBUTION

STA=	41.	360.	449.	653.	740.	936.	1078.	1219.	1293.	1420.	1550.	1618.	1649.
STA=	1832.	2124.	2703.										
PER Q=	15.9	4.4	10.4	4.6	11.1	6.0	6.2	4.3	3.7	8.8	3.1	0.2	
PER Q=	14.5	4.5	2.4										
AREA=	2381.5	668.1	1567.3	681.6	1603.9	977.4	991.7	616.6	693.7	1180.8	485.0	73.1	
AREA=	1782.9	1063.1	942.9										
VEL=	3.3	3.3	3.3	3.4	3.5	3.1	3.1	3.5	2.6	3.7	3.1	1.5	

OVERBANK AREA ASSUMED NON-EFFECTIVE,ELLEA= 27.00 ELREA= 41.30

119.00	12.87	37.47	0.00	0.00	38.05	0.57	1.09	0.20	27.00
50000.	24626.	25374.	0.	4518.	3832.	0.	3538.	649.	41.30
0.79	5.45	6.62	0.00	0.045	0.045	0.045	0.041	24.60	466.52
0.002114	960.	1110.	710.	2	0	1	0.00	1146.15	1612.67

FLOW DISTRIBUTION

STA= 467.	509.	603.	773.	872.	974.	1104.	1194.	1624.
PER Q= 0.2	2.6	8.6	7.1	7.0	11.4	12.3	50.7	
AREA= 61.1	350.2	922.3	660.9	660.5	978.3	884.3	3831.6	
VEL= 1.9	3.6	4.7	5.4	5.3	5.8	7.0	6.6	

SPECIAL BRIDGE

5227 DOWNSTREAM ELEV IS 30.54 ,NOT 37.47 HYDRAULIC JUMP OCCURS DOWNSTREAM (IF LOW FLOW CONTROLS)

SB	XK	XKOR	COFQ	RDLEN	BWC	BWP	BAREA	SS	ELCHU	ELCHD
	0.90	1.25	2.50	0.00	400.00	100.00	3725.00	1.00	27.00	25.20

6840,FLOW IS BY WEIR AND LOW FLOW

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

BRIDGE W.S.= 41.00 BRIDGE VELOCITY= 8.75

EGPRS	EGLWC	H3	QWEIR	QPR	BAREA	ELLC	ELTRD	CLASS
40.97	42.19	3.53	8797.	41061.	3725.	39.00	39.50	15.00

121.00	17.15	42.05	0.00	0.00	42.19	0.15	4.14	0.00	28.80
50000.	26942.	18598.	4460.	8978.	5411.	3306.	3567.	654.	37.80
0.80	3.00	3.44	1.35	0.045	0.045	0.045	0.041	24.90	123.69
0.000383	95.	95.	95.	2	0	4	0.00	2734.73	2858.43

FLOW DISTRIBUTION

STA= 124.	568.	729.	804.	892.	1004.	1138.	1234.	1672.	2042.	2469.	2858.	
PER Q= 7.0	10.5	5.4	5.2	6.2	10.4	9.2	37.2	3.2	3.9	1.8		
AREA= 1678.6	1689.8	835.9	870.8	1063.5	1567.2	1271.6	5410.9	1146.1	1383.3	776.1		
VEL= 2.1	3.1	3.2	3.0	2.9	3.3	3.6	3.4	1.4	1.4	1.2		

3265 DIVIDED FLOW

122.00	16.67	42.27	0.00	0.00	42.44	0.17	0.24	0.01	35.00
50000.	31520.	4871.	13609.	8891.	1461.	5366.	3809.	689.	35.80
0.85	3.54	3.33	2.54	0.045	0.045	0.045	0.041	25.60	126.63
0.000394	550.	650.	790.	2	0	1	0.00	1848.77	2022.91

FLOW DISTRIBUTION

STA= 127.	373.	490.	532.	701.	761.	830.	942.	965.	1090.	1206.	1274.	1430.
STA= 1623.	1759.	2023.										

```
   AREA=   1942.4   1135.7    628.9   2784.1    838.4   1023.6   1257.1    181.1   1460.8    982.2    756.7   1291.5
   AREA=    891.0    883.3    560.9
    VEL=      1.9      3.0      4.0      4.2      3.8      3.9      3.3      2.6      3.3      2.8      3.3      2.7
    VEL=      2.3      2.3      1.6

CCHV=   0.100 CEHV=   0.300

3265 DIVIDED FLOW

   123.00    16.69    42.59     0.00     0.00    42.72     0.13     0.27     0.00    32.30
   50000.    23831.    4948.   21221.    7895.    1828.    7593.    4132.     722.    33.80
     0.93     3.02     2.71     2.79    0.045    0.045    0.045    0.042    25.90   167.15
 0.000269     850.     850.     850.        1        0        1     0.00  1573.96  1797.47

FLOW DISTRIBUTION

STA=     167.     310.     362.     431.     506.     574.     621.     694.     745.     788.     814.     977.    1070.
STA=    1187.    1328.    1375.    1423.    1501.    1768.    1797.
  PER Q=   3.8      3.9      6.4      7.2      6.2      4.1      6.5      4.2      3.3      1.9      9.9      5.0
  PER Q=   8.7     13.0      3.8      4.4      3.2      4.0      0.3
   AREA=  896.3    662.8    999.2   1109.0    972.2    657.9   1029.1    683.2    554.6    330.7   1827.9    969.5
   AREA=  1472.3   2030.0    625.0    691.1    670.0   1014.4    120.8
    VEL=      2.1      3.0      3.2      3.3      3.2      3.1      3.2      3.1      3.0      2.9      2.7      2.6
    VEL=      3.0      3.2      3.0      3.2      2.4      2.0      1.4

   SECNO    DEPTH    CWSEL    CRIWS    WSELK       EG       HV       HL    OLOSS   BANK ELEV
   Q        QLOB     QCH      QROB     ALOB        ACH      AROB     VOL   TWA     LEFT/RIGHT
   TIME     VLOB     VCH      VROB     XNL         XNCH     XNR      WTN   ELMIN     SSTA
   SLOPE    XLOBL    XLCH     XLOBR    ITRIAL      IDC      ICONT    CORAR   TOPWID    ENDST

   124.00    15.80    42.80     0.00     0.00    42.92     0.12     0.20     0.00    29.40
   50000.   23257.   10568.   16174.    8037.    3648.    6235.    4473.     750.    31.40
     1.02     2.89     2.90     2.59    0.045    0.045    0.045    0.042    27.00    52.64
 0.000213     860.     900.     800.        2        0        1     0.00  1321.28  1373.92

FLOW DISTRIBUTION

STA=      53.     312.     408.     448.     501.     575.     606.     853.     954.    1151.    1343.    1374.
  PER Q=   22.5      8.8      3.3      3.9      5.6      2.4     21.1      4.5     12.4     15.0      0.4
   AREA=  3821.6   1478.4    574.0    715.5   1013.5    434.0   3648.4   1006.6   2403.0   2688.0    136.9
    VEL=      2.9      3.0      2.8      2.7      2.8      2.8      2.9      2.2      2.6      2.8      1.4

   125.00    15.92    42.92     0.00     0.00    43.02     0.10     0.10     0.00    36.10
   50000.   11009.   14811.   24180.    4668.    5423.    9239.    4687.     766.    33.10
     1.07     2.36     2.73     2.62    0.045    0.045    0.045    0.042    27.00    34.78
 0.000188     490.     550.     480.        0        0        1     0.00  1450.62  1485.40

FLOW DISTRIBUTION

STA=      35.     224.     283.     347.     420.     452.     815.     869.     943.    1033.    1282.    1468.    1485.
  PER Q=   8.1      3.5      3.7      5.3      1.4     29.6      4.0      4.9      5.3     19.1     14.8      0.3
   AREA=  1816.5    730.0    778.5   1013.9    328.7   5422.7    753.5    975.4   1102.4   3579.0   2727.5    100.8
    VEL=      2.2      2.4      2.4      2.6      2.1      2.7      2.6      2.5      2.4      2.7      2.7      1.4

CCHV=   0.400 CEHV=   0.500
   125.10    15.95    42.95     0.00     0.00    43.10     0.15     0.05     0.02    38.00
   50000.    8050.   13515.   28435.    2950.    4081.    9145.    4786.     774.    33.00
     1.09     2.73     3.31     3.11    0.045    0.045    0.045    0.042    27.00    70.76
 0.000268     280.     260.     220.        2        0        1     0.00  1250.54  1321.30
```

STA=	71.	205.	305.	365.	630.	700.	1117.	1167.	1265.	1321.
PER Q=	3.8	9.3	3.0	27.0	3.4	40.9	3.2	8.0	1.3	
AREA=	923.4	1450.0	576.5	4080.8	691.5	6234.3	585.0	1293.6	340.6	
VEL=	2.0	3.2	2.6	3.3	2.5	3.3	2.8	3.1	1.9	

3685 20 TRIALS USED WSEL,CWSEL

7185 MIN SPECIFIC ENERGY

3720 ASSUMED CRITICAL DEPTH

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

OVERBANK AREA ASSUMED NON-EFFECTIVE,ELLEA= 53.90 ELREA= 51.70

126.00	11.65	43.95	43.95	0.00	47.93	3.98	0.24	0.00	39.50
50000.	0.	50000.	0.	0.	3124.	0.	4846.	779.	38.90
1.10	0.00	16.01	0.00	0.045	0.045	0.045	0.043	32.30	539.00
0.015417	360.	310.	210.	30	19	1	0.00	403.00	942.00

FLOW DISTRIBUTION

STA=	539.	942.
PER Q=	100.0	
AREA=	3123.7	
VEL=	16.0	

SPECIAL BRIDGE

SB	XK	XKOR	COFQ	RDLEN	BWC	BWP	BAREA	SS	ELCHU	ELCHD
	0.90	1.25	2.50	0.00	450.00	44.80	8104.00	0.00	33.60	33.20

3301 HV CHANGED MORE THAN HVINS

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

CLASS A LOW FLOW

BRIDGE W.S.= 43.42 BRIDGE VELOCITY= 12.31

EGPRS	EGLWC	H3	QWEIR	QPR	BAREA	ELLC	ELTRD	CLASS
0.00	48.56	2.89	0.	50000.	8104.	53.90	55.00	1.00

OVERBANK AREA ASSUMED NON-EFFECTIVE,ELLEA= 57.90 ELREA= 55.70

128.00	14.15	46.85	0.00	0.00	48.56	1.71	0.63	0.00	42.50
50000.	0.	50000.	0.	0.	4760.	0.	4853.	780.	38.50

FLOW DISTRIBUTION

STA= 1102. 1540.
PER Q= 100.0
AREA= 4760.4
VEL= 10.5

CCHV= 0.100 CEHV= 0.300

3301 HV CHANGED MORE THAN HVINS

	128.10	15.85	48.55	0.00	0.00	48.84	0.30	0.14	0.14	39.50
	50000.	21769.	20409.	7823.	5147.	4161.	2606.	4873.	782.	38.60
	1.11	4.23	4.90	3.00	0.045	0.045	0.045	0.043	32.70	161.11
0.000684		80.	100.	170.	2	0	1	0.00	1249.80	1410.91

FLOW DISTRIBUTION

STA=	161.	275.	375.	458.	628.	673.	980.	1032.	1125.	1285.	1411.
PER Q=	3.8	9.1	9.8	17.6	3.2	40.8	3.1	4.3	6.2	2.0	
AREA=	618.1	1079.9	1049.9	1980.4	418.5	4161.1	436.8	669.5	1027.9	472.3	
VEL=	3.1	4.2	4.7	4.4	3.8	4.9	3.6	3.2	3.0	2.2	

3265 DIVIDED FLOW

129.00	15.37	48.77	0.00	0.00	49.03	0.26	0.18	0.00	39.30
50000.	33018.	6701.	10282.	7721.	1522.	3398.	4958.	791.	34.10
1.13	4.28	4.40	3.03	0.045	0.045	0.045	0.043	33.40	222.38
0.000544	230.	380.	380.	2	0	1	0.00	1261.26	1493.79

FLOW DISTRIBUTION

STA=	222.	428.	555.	663.	708.	769.	839.	903.	1014.	1052.	1206.	1264.	1374.
STA=	1494.												
PER Q=	13.9	18.1	15.8	5.5	5.4	3.7	3.6	13.4	3.5	6.6	3.2	5.8	
PER Q=	1.5												
AREA=	1686.4	1920.5	1660.2	622.0	691.0	582.5	558.2	1522.2	443.5	1135.3	496.7	915.4	
AREA=	407.3												
VEL=	4.1	4.7	4.8	4.4	3.9	3.2	3.3	4.4	3.9	2.9	3.2	3.2	
VEL=	1.8												

CCHV= 0.100 CEHV= 0.300

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST
130.00	15.57	49.17	0.00	0.00	49.78	0.61	0.65	0.11	33.60
50000.	6598.	23412.	19990.	1511.	3048.	4140.	5159.	814.	40.10
1.16	4.37	7.68	4.83	0.040	0.040	0.040	0.043	33.60	118.19
0.001263	690.	830.	970.	2	0	1	0.00	1141.43	1259.62

FLOW DISTRIBUTION

STA=	118.	258.	364.	411.	628.	690.	767.	843.	906.	941.	1047.	1152.	1216.
STA=	1260.												
PER Q=	5.1	3.4	4.7	46.8	6.8	3.7	3.5	6.9	3.1	6.4	5.9	3.2	

AREA=	121.5											
VEL=	4.0	3.7	5.6	7.7	5.8	4.3	4.2	5.8	5.4	4.6	4.5	4.3
VEL=	2.6											
131.00	16.21	50.41	0.00	0.00	50.81	0.41	1.01	0.02	39.30			
50000.	30961.	8368.	10671.	6350.	1384.	2124.	5361.	838.	43.10			
1.22	4.88	6.05	5.02	0.040	0.040	0.040	0.043	34.20	154.22			
0.000894	900.	1050.	935.	2	0	1	0.00	1105.69	1259.91			

FLOW DISTRIBUTION

STA=	154.	242.	444.	533.	559.	603.	661.	692.	740.	807.	873.	926.	1034.
STA=	1081.	1148.	1215.	1260.								
PER Q=	3.6	8.0	4.4	4.8	6.5	4.8	4.1	7.6	6.4	5.7	6.0	16.7
PER Q=	4.3	7.6	7.1	2.4								
AREA=	483.0	1085.9	568.7	372.0	550.3	510.8	362.9	619.5	640.3	594.4	562.2	1383.8
AREA=	435.1	707.3	682.4	299.2								
VEL=	3.7	3.7	3.8	6.5	5.9	4.7	5.7	6.1	5.0	4.8	5.4	6.0
VEL=	4.9	5.3	5.2	4.0								
132.00	11.98	50.78	0.00	0.00	51.60	0.82	0.66	0.12	46.70			
50000.	19692.	18401.	11907.	3007.	2339.	1602.	5450.	849.	43.30			
1.23	6.55	7.87	7.43	0.040	0.040	0.040	0.043	38.80	60.35			
0.002561	450.	510.	450.	2	0	1	0.00	1049.70	1110.05			

FLOW DISTRIBUTION

STA=	60.	256.	333.	377.	465.	552.	597.	868.	989.	1029.	1110.
PER Q=	5.7	8.3	6.1	12.6	4.9	1.9	36.8	18.1	3.7	2.0	
AREA=	634.2	575.7	383.9	781.1	441.6	190.2	2338.7	1104.8	273.0	224.5	
VEL=	4.5	7.2	7.9	8.0	5.6	4.9	7.9	8.2	6.7	4.4	

3685 20 TRIALS USED WSEL,CWSEL

7185 MIN SPECIFIC ENERGY

3720 ASSUMED CRITICAL DEPTH

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST
133.00	12.94	55.64	55.64	0.00	59.09	3.45	3.24	0.00	45.80
50000.	22084.	10815.	17101.	1652.	577.	1219.	5534.	862.	47.60
1.25	13.36	18.76	14.03	0.040	0.040	0.040	0.043	42.70	139.05
0.010733	700.	700.	700.	30	8	1	0.00	519.33	658.38

FLOW DISTRIBUTION

STA=	139.	156.	264.	308.	352.	419.	472.	492.	519.	541.	568.	596.	658.
PER Q=	0.6	13.6	3.4	5.7	21.0	21.6	5.8	6.5	5.3	6.3	5.6	4.8	
AREA=	41.9	576.7	175.5	239.3	619.1	576.7	175.8	214.4	173.6	210.3	197.1	247.7	
VEL=	6.8	11.8	9.7	11.8	16.9	18.8	16.4	15.2	15.2	15.1	14.1	9.6	

3265 DIVIDED FLOW

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST
133.10	16.24	58.94	0.00	0.00	60.28	1.34	0.98	0.21	48.70
50000.	35721.	6292.	7987.	3736.	604.	1189.	5555.	865.	49.20
1.25	9.56	10.42	6.72	0.040	0.040	0.040	0.043	42.70	17.23
0.002666	210.	200.	200.	3	0	1	0.00	736.13	931.09

FLOW DISTRIBUTION

STA=	17.	50.	73.	110.	145.	160.	177.	213.	262.	300.	380.	426.	500.
STA=	645.	931.											
PER Q=	5.0	8.3	12.8	10.1	4.2	4.9	7.2	4.3	3.1	11.5	12.6	11.8	
PER Q=	3.3	0.9											
AREA=	290.9	352.9	551.0	467.0	197.1	227.7	388.5	320.5	237.2	703.3	603.9	691.3	
AREA=	353.6	144.3											
VEL=	8.6	11.8	11.6	10.8	10.7	10.8	9.3	6.7	6.5	8.2	10.4	8.5	
VEL=	4.7	3.1											

3265 DIVIDED FLOW

133.20	17.05	59.75	0.00	0.00	60.95	1.20	0.65	0.01	49.20
50000.	32588.	11389.	6023.	3770.	1101.	1052.	5591.	869.	49.20
1.26	8.64	10.35	5.72	0.040	0.040	0.040	0.043	42.70	16.46
0.002104	280.	280.	260.	2	0	1	0.00	677.92	857.95

FLOW DISTRIBUTION

STA=	16.	70.	117.	143.	170.	233.	255.	270.	300.	354.	425.	463.	490.
STA=	570.	858.											
PER Q=	7.1	13.0	6.3	4.5	9.0	4.1	3.6	6.9	10.6	22.8	4.6	3.1	
PER Q=	3.7	0.6											
AREA=	473.9	658.5	338.3	279.8	592.9	243.3	191.4	375.3	616.2	1100.8	325.3	223.1	
AREA=	354.6	149.4											
VEL=	7.5	9.9	9.4	8.1	7.6	8.4	9.3	9.2	8.6	10.3	7.1	6.9	
VEL=	5.2	2.1											

3265 DIVIDED FLOW

3301 HV CHANGED MORE THAN HVINS

134.00	17.29	60.09	0.00	0.00	61.83	1.74	0.71	0.16	54.60
50000.	23568.	22177.	4256.	2211.	1973.	785.	5622.	873.	59.20
1.27	10.66	11.24	5.42	0.040	0.040	0.040	0.043	42.80	29.67
0.004315	250.	240.	230.	2	0	1	0.00	824.02	954.79

FLOW DISTRIBUTION

STA=	30.	81.	106.	209.	230.	274.	471.	591.	955.
PER Q=	9.9	5.2	17.6	5.5	9.0	44.4	7.1	1.4	
AREA=	458.2	237.2	869.0	231.8	415.2	1973.4	517.3	267.5	
VEL=	10.8	10.9	10.1	11.9	10.8	11.2	6.9	2.6	

3301 HV CHANGED MORE THAN HVINS

Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST
134.10	13.45	60.65	0.00	0.00	63.22	2.57	1.15	0.25	50.00
50000.	33264.	9607.	7129.	2561.	624.	965.	5644.	877.	52.60
1.27	12.99	15.40	7.39	0.040	0.040	0.040	0.043	47.20	5.91
0.006840	220.	210.	200.	2	0	1	0.00	679.83	685.74

FLOW DISTRIBUTION

STA=	6.	115.	162.	222.	280.	320.	375.	435.	570.	686.
PER Q=	15.4	13.2	14.4	12.4	11.2	19.2	7.2	4.9	2.1	
AREA=	671.9	465.5	540.3	487.5	396.2	624.0	357.3	392.0	215.3	
VEL=	11.4	14.2	13.3	12.7	14.2	15.4	10.1	6.3	5.0	

3265 DIVIDED FLOW

3301 HV CHANGED MORE THAN HVINS

135.00	14.86	62.56	0.00	0.00	64.20	1.64	0.88	0.09	47.70
50000.	6823.	13292.	29885.	641.	1057.	3335.	5662.	880.	55.90
1.28	10.64	12.57	8.96	0.040	0.040	0.040	0.043	47.70	78.42
0.004018	180.	170.	160.	3	0	1	0.00	685.98	815.54

FLOW DISTRIBUTION

STA=	78.	102.	154.	239.	337.	388.	461.	544.	609.	710.	743.	816.
PER Q=	0.8	12.8	26.6	14.0	12.1	11.9	10.7	7.4	3.4	0.3	0.0	
AREA=	79.6	561.7	1057.1	759.6	535.6	613.3	606.0	438.8	328.4	48.2	4.9	
VEL=	5.2	11.4	12.6	9.2	11.3	9.7	8.9	8.4	5.2	3.0	0.9	

136.00	15.33	64.93	0.00	0.00	66.65	1.72	2.43	0.03	59.90
50000.	2586.	8798.	38616.	354.	692.	3799.	5720.	888.	59.90
1.29	7.31	12.71	10.17	0.040	0.040	0.040	0.042	49.60	125.00
0.005636	530.	520.	510.	3	0	1	0.00	764.42	889.42

FLOW DISTRIBUTION

STA=	125.	213.	281.	305.	336.	359.	393.	467.	495.	576.	648.	721.	784.	889.
PER Q=	5.2	17.6	4.1	6.2	4.8	8.2	13.8	3.7	8.6	9.5	11.8	4.4		
PER Q=	2.0													
AREA=	353.5	692.1	189.1	267.4	204.2	325.6	608.8	188.4	476.1	480.8	549.5	288.4		
AREA=	220.7													
VEL=	7.3	12.7	10.8	11.7	11.8	12.5	11.4	9.9	9.1	9.9	10.7	7.6		
VEL=	4.6													

3685 20 TRIALS USED WSEL,CWSEL

7185 MIN SPECIFIC ENERGY

3720 ASSUMED CRITICAL DEPTH

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	QLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA

CCHV= 0.100 CEHV= 0.300 500

10

3265 DIVIDED FLOW

3280 CROSS SECTION 102.20 EXTENDED 0.90 FEET

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST
	102.20	9.00	12.60	0.00	12.60	12.84	0.24	0.00	0.00	5.00
	50000.	43760.	6010.	230.	11937.	1047.	77.	0.	0.	6.00
	0.00	3.67	5.74	3.01	0.040	0.040	0.040	0.000	3.60	395.78
	0.001450	0.	0.	0.	0	0	1	0.00	3560.70	4090.00

C SECTIONS FROM LEFT TO RIGHT LOOKING DOWNSTREAM

FLOW DISTRIBUTION

STA=	396.	1150.	1865.	2110.	2418.	3205.	3345.	3413.	3565.	3665.	3825.	3880.	4008.
STA=	4090.												
PER Q=	25.3	24.8	4.2	4.8	3.6	3.1	3.4	4.7	4.5	4.6	4.6	12.0	
PER Q=	0.5												
AREA=	3300.7	3217.5	716.3	858.7	992.5	437.2	362.1	609.3	520.0	505.7	417.0	1047.1	
AREA=	76.5												
VEL=	3.8	3.9	2.9	2.8	1.8	3.5	4.7	3.9	4.3	4.6	5.5	5.7	
VEL=	3.0												

3265 DIVIDED FLOW

3280 CROSS SECTION 102.30 EXTENDED 0.93 FEET

	102.30	10.23	13.63	0.00	0.00	13.92	0.28	1.06	0.01	5.00
	50000.	42599.	6850.	550.	11148.	1064.	162.	218.	59.	6.20
	0.05	3.82	6.44	3.39	0.040	0.040	0.040	0.011	3.40	41.10
	0.001494	800.	200.	500.	2	0	1	0.00	3046.17	3182.00

FLOW DISTRIBUTION

STA=	41.	250.	868.	1055.	1455.	1640.	2037.	2252.	2378.	2500.	2625.	2695.	2835.
STA=	2940.	2975.	3087.	3182.									
PER Q=	1.3	30.7	5.8	4.7	3.6	5.3	4.1	3.6	3.6	3.4	3.8	4.0	
PER Q=	6.3	3.0	13.7	1.1									
AREA=	552.7	3419.4	778.5	933.2	579.6	993.5	663.9	467.1	492.6	485.4	403.3	455.2	
AREA=	653.0	270.7	1064.3	162.2									
VEL=	3.0	4.5	3.7	2.5	3.1	2.7	3.1	3.8	3.6	3.5	4.7	4.4	
VEL=	4.8	5.6	6.4	3.4									

3265 DIVIDED FLOW

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT

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**************************
HEC2 VERSION UPDATED JAN 1976
ERROR CORRECTIONS 01,02,03,04,05,06,07,08,09
MODIFICATIONS 51,52,53,54,55,56,,57,58
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SECTION NUMBER	DISCHARGE CFS	CWSEL	CWSEL	TQ	EG	TOPWID	STENCL	STENCR	WSELK	J3J4X5	J3J4X5	SSTA	ENDST
193.000	50000.00	298.13	298.13	7858.59	301.46	213.42	0.00	0.00	0.00	0.00	0.00	757.23	970.65
194.000	50000.00	302.25	302.25	4870.91	310.69	127.08	0.00	0.00	0.00	0.00	0.00	245.64	372.71
194.200	50000.00	306.15	306.15	6175.57	312.91	125.64	0.00	0.00	0.00	0.00	0.00	141.29	266.93
195.000	50000.00	307.47	307.47	5165.09	316.74	115.34	0.00	0.00	0.00	0.00	0.00	275.87	391.21
196.000	50000.00	313.61	313.61	5107.21	322.71	119.24	0.00	0.00	0.00	0.00	0.00	264.85	384.09
197.000	50000.00	319.22	319.22	5365.76	328.15	128.26	0.00	0.00	0.00	0.00	0.00	163.77	292.03
198.000	50000.00	323.46	323.46	5266.90	331.57	147.96	0.00	0.00	0.00	0.00	0.00	187.59	335.55
199.000	50000.00	338.71	338.71	5183.16	347.41	130.50	0.00	0.00	0.00	0.00	0.00	330.42	460.92
200.000	50000.00	345.97	345.97	4904.00	352.37	205.75	0.00	0.00	0.00	0.00	0.00	248.81	537.66
201.000	50000.00	351.98	351.98	5156.12	358.26	222.80	0.00	0.00	0.00	0.00	0.00	241.22	586.67
202.000	50000.00	358.35	358.35	8112.78	361.31	267.68	0.00	0.00	0.00	0.00	0.00	159.08	426.76
203.000	50000.00	360.13	360.13	12362.71	362.09	248.89	0.00	0.00	0.00	0.00	0.00	307.64	556.54
204.000	50000.00	360.71	360.71	5254.76	367.74	164.15	0.00	0.00	0.00	0.00	0.00	430.43	594.58
204.100	50000.00	365.58	365.58	9281.70	368.68	205.83	0.00	0.00	0.00	0.00	0.00	52.53	258.36
205.000	50000.00	365.61	365.61	6366.18	370.30	208.98	0.00	0.00	0.00	0.00	0.00	324.43	533.40
206.000	50000.00	369.20	369.20	6126.32	374.91	246.03	0.00	0.00	0.00	0.00	0.00	292.99	539.02
207.000	50000.00	377.10	377.10	5120.59	382.88	238.37	0.00	0.00	0.00	0.00	0.00	340.00	578.37
207.100	50000.00	379.80	379.80	5756.80	385.95	218.11	0.00	0.00	0.00	0.00	0.00	56.79	274.91
207.200	50000.00	384.94	384.94	10523.92	387.28	255.15	0.00	0.00	0.00	0.00	0.00	26.51	281.66
208.000	50000.00	387.22	387.22	19735.63	388.11	330.41	0.00	0.00	0.00	0.00	0.00	202.26	532.66

SECTION NUMBER	DISCHARGE CFS	CWSEL	CWSEL DIFF EACH Q	CWSEL DIFF EACH SECTION	CWSEL-WSELK	TOPWID	T.W. DIFF	LENGTH
102.200	50000.000	12.600	0.000	0.000	0.000	3560.704	0.000	0.000
102.300	50000.000	13.633	0.000	1.033	13.633	3046.167	0.000	200.000
102.400	50000.000	14.818	0.000	1.185	14.818	3532.324	0.000	860.000
103.000	50000.000	14.998	0.000	0.180	14.998	3984.451	0.000	330.000
104.000	50000.000	15.906	0.000	0.908	15.906	5244.170	0.000	1100.000
104.100	50000.000	17.576	0.000	1.670	17.576	3190.867	0.000	1230.000
105.000	50000.000	20.011	0.000	2.435	20.011	641.000	0.000	320.000
107.000	50000.000	25.075	0.000	5.064	24.075	4062.761	0.000	230.000
108.000	50000.000	26.706	0.000	1.631	26.706	659.999	0.000	830.000

110.000	50000.000	30.009	0.000	2.935	30.009	320.000	0.000	40.000
112.000	50000.000	33.522	0.000	3.513	33.522	304.000	0.000	110.000
113.000	50000.000	36.276	0.000	2.754	36.276	3410.633	0.000	100.000
113.100	50000.000	36.281	0.000	0.005	36.281	3190.001	0.000	280.000
114.000	50000.000	36.298	0.000	0.017	36.298	3457.038	0.000	400.000
115.000	50000.000	36.314	0.000	0.016	36.314	3386.000	0.000	330.000
116.000	50000.000	36.348	0.000	0.034	36.348	3492.949	0.000	400.000
117.000	50000.000	36.412	0.000	0.064	36.412	3322.000	0.000	320.000
118.000	50000.000	36.583	0.000	0.171	36.583	2647.184	0.000	340.000
119.000	50000.000	37.475	0.000	0.892	37.475	1146.145	0.000	1110.000
121.000	50000.000	42.046	0.000	4.571	42.046	2734.735	0.000	95.000
122.000	50000.000	42.275	0.000	0.229	42.275	1848.766	0.000	650.000
123.000	50000.000	42.590	0.000	0.315	42.590	1573.960	0.000	850.000
124.000	50000.000	42.800	0.000	0.210	42.800	1321.284	0.000	900.000
125.000	50000.000	42.919	0.000	0.119	42.919	1450.620	0.000	550.000
125.100	50000.000	42.950	0.000	0.031	42.950	1250.540	0.000	260.000
126.000	50000.000	43.954	0.000	1.004	43.954	403.000	0.000	310.000
128.000	50000.000	46.848	0.000	2.894	46.848	438.000	0.000	84.000
128.100	50000.000	48.548	0.000	1.700	48.548	1249.799	0.000	100.000
129.000	50000.000	48.771	0.000	0.223	48.771	1261.258	0.000	380.000
130.000	50000.000	49.170	0.000	0.399	49.170	1141.430	0.000	830.000
131.000	50000.000	50.406	0.000	1.236	50.406	1105.693	0.000	1050.000
132.000	50000.000	50.776	0.000	0.370	50.776	1049.702	0.000	510.000
133.000	50000.000	55.640	0.000	4.864	55.640	519.333	0.000	700.000
133.100	50000.000	58.942	0.000	3.302	58.942	736.134	0.000	200.000
133.200	50000.000	59.752	0.000	0.810	59.752	677.923	0.000	280.000
134.000	50000.000	60.085	0.000	0.333	60.085	824.016	0.000	240.000
134.100	50000.000	60.654	0.000	0.569	60.654	679.831	0.000	210.000
135.000	50000.000	62.557	0.000	1.903	62.557	685.978	0.000	170.000
136.000	50000.000	64.926	0.000	2.369	64.926	764.416	0.000	520.000
137.000	50000.000	68.701	0.000	3.775	68.701	575.972	0.000	440.000
138.000	50000.000	77.265	0.000	8.564	77.265	851.389	0.000	860.000

SECTION NUMBER	DISCHARGE CFS	CWSEL	CWSEL	TQ	EG	TOPWID	STENCL	STENCR	WSELK	J3J4X5	J3J4X5	SSTA	ENDST
150.000	50000.00	117.36	117.36	15250.68	117.83	1066.49	0.00	0.00	0.00	0.00	0.00	363.48	1431.87
151.000	50000.00	118.93	118.93	8071.94	119.85	1140.92	0.00	0.00	0.00	0.00	0.00	173.87	1314.79
152.000	50000.00	121.95	121.95	7200.25	123.13	1096.36	0.00	0.00	0.00	0.00	0.00	394.05	1511.55
153.000	50000.00	125.99	125.99	9864.61	126.78	1402.63	0.00	0.00	0.00	0.00	0.00	271.76	1674.39
154.000	50000.00	126.87	126.87	9459.21	127.71	1041.59	0.00	0.00	0.00	0.00	0.00	454.23	1555.36
155.000	50000.00	127.71	127.71	8192.60	128.79	982.55	0.00	0.00	0.00	0.00	0.00	539.02	1521.57
156.000	50000.00	128.69	128.69	11113.84	129.55	938.39	0.00	0.00	0.00	0.00	0.00	567.01	1505.40
157.000	50000.00	131.45	131.45	4697.36	133.85	903.14	0.00	0.00	0.00	0.00	0.00	575.04	1478.19
157.100	50000.00	134.01	134.01	12596.54	134.66	887.56	0.00	0.00	0.00	0.00	0.00	568.07	1520.50
158.000	50000.00	134.35	134.35	14171.89	134.95	893.58	0.00	0.00	0.00	0.00	0.00	525.00	1418.58
159.000	50000.00	135.01	135.01	14798.50	135.64	873.06	0.00	0.00	0.00	0.00	0.00	875.06	1748.12
160.000	50000.00	143.57	143.57	5511.16	145.30	1380.34	0.00	0.00	0.00	0.00	0.00	935.15	2315.48
161.000	50000.00	144.54	144.54	7342.62	145.56	1383.81	0.00	0.00	0.00	0.00	0.00	905.47	2289.28
162.000	50000.00	145.26	145.26	14882.26	145.70	1472.53	0.00	0.00	0.00	0.00	0.00	790.24	2262.77
163.000	50000.00	146.15	146.15	23551.17	146.43	1232.94	0.00	0.00	0.00	0.00	0.00	390.86	1634.24
164.000	50000.00	146.41	146.41	8418.85	147.65	793.10	0.00	0.00	0.00	0.00	0.00	665.46	1458.57
165.000	50000.00	149.11	149.11	8403.84	150.38	822.41	0.00	0.00	0.00	0.00	0.00	535.03	1357.44
166.000	50000.00	152.35	152.35	7792.04	153.71	763.68	0.00	0.00	0.00	0.00	0.00	449.30	1212.98
167.000	50000.00	161.30	161.30	5109.89	163.96	777.32	0.00	0.00	0.00	0.00	0.00	106.37	883.69
168.000	50000.00	167.05	167.05	8575.24	168.48	662.50	0.00	0.00	0.00	0.00	0.00	389.01	1051.51
168.100	50000.00	168.42	168.42	8813.67	170.02	509.62	0.00	0.00	0.00	0.00	0.00	304.72	814.34
169.000	50000.00	172.22	172.22	5033.31	177.09	310.65	0.00	0.00	0.00	0.00	0.00	722.38	1033.02
169.100	50000.00	175.62	175.62	7343.06	178.59	326.74	0.00	0.00	0.00	0.00	0.00	598.45	925.19
169.300	50000.00	178.26	178.26	7019.53	180.99	432.55	0.00	0.00	0.00	0.00	0.00	285.89	718.44
170.000	50000.00	180.20	180.20	7112.54	182.24	573.09	0.00	0.00	0.00	0.00	0.00	445.16	1018.25
170.100	50000.00	182.53	182.53	14006.68	183.15	845.92	0.00	0.00	0.00	0.00	0.00	234.58	1080.49
171.000	50000.00	183.56	183.56	16366.16	184.02	1107.25	0.00	0.00	0.00	0.00	0.00	131.30	1238.55
172.000	50000.00	185.71	185.71	9818.37	186.62	821.62	0.00	0.00	0.00	0.00	0.00	294.23	1115.85

SECTION NUMBER	DISCHARGE CFS	CWSEL	CWSEL	TQ	EG	TOPWID	STENCL	STENCR	WSELK	J3J4X5	J3J4X5	SSTA	ENDST
128.100	50000.00	48.55	48.55	19122.00	48.84	1249.80	0.00	0.00	0.00	0.00	0.00	161.11	1410.91
129.000	50000.00	48.77	48.77	21438.42	49.03	1261.26	0.00	0.00	0.00	0.00	0.00	222.38	1493.79
130.000	50000.00	49.17	49.17	14071.60	49.78	1141.43	0.00	0.00	0.00	0.00	0.00	118.19	1259.62
131.000	50000.00	50.41	50.41	16724.61	50.81	1105.69	0.00	0.00	0.00	0.00	0.00	154.22	1259.91
132.000	50000.00	50.78	50.78	9881.11	51.60	1049.70	0.00	0.00	0.00	0.00	0.00	60.35	1110.05
133.000	50000.00	55.64	55.64	4826.24	59.09	519.33	0.00	0.00	0.00	0.00	0.00	139.05	658.38
133.100	50000.00	58.94	58.94	9684.20	60.28	736.13	0.00	0.00	0.00	0.00	0.00	17.23	931.09
133.200	50000.00	59.75	59.75	10900.97	60.95	677.92	0.00	0.00	0.00	0.00	0.00	16.46	857.95
134.000	50000.00	60.09	60.09	7611.77	61.83	824.02	0.00	0.00	0.00	0.00	0.00	29.67	954.79
134.100	50000.00	60.65	60.65	6045.52	63.22	679.83	0.00	0.00	0.00	0.00	0.00	5.91	685.74
135.000	50000.00	62.56	62.56	7888.00	64.20	685.98	0.00	0.00	0.00	0.00	0.00	78.42	815.54
136.000	50000.00	64.93	64.93	6660.28	66.65	764.42	0.00	0.00	0.00	0.00	0.00	125.00	889.42
137.000	50000.00	68.70	68.70	4848.46	71.78	575.97	0.00	0.00	0.00	0.00	0.00	290.76	866.74
138.000	50000.00	77.26	77.26	5944.84	79.25	851.39	0.00	0.00	0.00	0.00	0.00	213.38	1064.77
138.100	50000.00	78.40	78.40	9427.24	79.63	833.59	0.00	0.00	0.00	0.00	0.00	218.55	1125.02
138.300	50000.00	79.37	79.37	10593.67	80.23	958.61	0.00	0.00	0.00	0.00	0.00	136.34	1176.06
139.000	50000.00	79.00	79.00	5523.79	80.96	868.02	0.00	0.00	0.00	0.00	0.00	253.97	1123.98
140.000	50000.00	81.43	81.43	5929.90	84.11	598.51	0.00	0.00	0.00	0.00	0.00	511.63	1110.14
141.000	50000.00	85.02	85.02	11424.05	86.13	569.58	0.00	0.00	0.00	0.00	0.00	542.28	1111.85
142.000	50000.00	85.77	85.77	8176.99	87.98	346.29	0.00	0.00	0.00	0.00	0.00	883.48	1229.77
143.000	50000.00	95.06	95.06	17302.24	95.82	430.00	0.00	0.00	0.00	0.00	0.00	1755.00	2185.00
144.000	50000.00	95.64	95.64	15545.18	96.20	903.47	0.00	0.00	0.00	0.00	0.00	641.01	1544.48
145.000	50000.00	96.68	96.68	15317.34	97.29	750.36	0.00	0.00	0.00	0.00	0.00	549.78	1300.14
146.000	50000.00	105.00	105.00	4901.76	108.18	556.27	0.00	0.00	0.00	0.00	0.00	402.54	1300.53
147.000	50000.00	108.74	108.74	24934.77	109.02	1034.40	0.00	0.00	0.00	0.00	0.00	428.67	1463.07
148.000	50000.00	108.92	108.92	21980.24	109.22	1011.08	0.00	0.00	0.00	0.00	0.00	499.99	1511.08
149.000	50000.00	110.59	110.59	4591.10	113.09	807.09	0.00	0.00	0.00	0.00	0.00	62.07	869.16
149.100	50000.00	115.51	115.51	8363.63	116.72	902.25	0.00	0.00	0.00	0.00	0.00	129.60	1031.85

SUMMARY PRINTOUT FOR MULTIPLE PROFILES

SAN DIEGO COUNTY FLOOD C 500

SECTION NUMBER	DISCHARGE CFS	CWSEL	CWSEL	TQ	EG	TOPWID	STENCL	STENCR	WSELK	J3J4X5	J3J4X5	SSTA	ENDST
102.200	50000.00	12.60	12.60	13132.81	12.84	3560.70	0.00	0.00	12.60	0.00	0.00	395.78	4090.00
102.300	50000.00	13.63	13.63	12933.87	13.92	3046.17	0.00	0.00	0.00	12.60	12.60	41.10	3182.00
102.400	50000.00	14.82	14.82	20167.96	14.95	3532.32	0.00	0.00	0.00	0.00	0.00	69.66	3619.92
103.000	50000.00	15.00	15.00	19086.66	15.14	3984.45	0.00	0.00	0.00	0.00	0.00	497.46	4516.74
104.000	50000.00	15.91	15.91	10450.62	16.17	5244.17	0.00	0.00	0.00	0.00	0.00	810.78	6236.07
104.100	50000.00	17.58	17.58	16420.52	17.78	3190.87	0.00	0.00	0.00	0.00	0.00	61.05	3251.92
105.000	50000.00	20.01	20.01	4303.86	22.93	641.00	0.00	0.00	0.00	0.00	0.00	6384.00	7025.00
107.000	50000.00	25.08	25.08	11707.38	25.39	4062.76	1388.00	2110.00	1.00	0.00	0.00	159.99	4222.75
108.000	50000.00	26.71	26.71	8989.16	27.76	660.00	2650.00	3310.00	0.00	1.00	1.00	2650.00	3310.00
109.000	50000.00	27.07	27.07	4160.11	31.32	360.00	2735.00	3095.00	0.00	0.00	0.00	2735.00	3095.00
110.000	50000.00	30.01	30.01	7237.08	32.38	320.00	0.00	0.00	0.00	0.00	0.00	2700.00	3020.00
112.000	50000.00	33.52	33.52	8666.06	35.50	304.00	0.00	0.00	0.00	0.00	0.00	2736.00	3040.00
113.000	50000.00	36.28	36.28	99050.48	36.29	3410.63	0.00	0.00	0.00	0.00	0.00	1094.66	4505.29
113.100	50000.00	36.28	36.28	76447.05	36.30	3190.00	0.00	0.00	0.00	0.00	0.00	0.00	3190.00
114.000	50000.00	36.30	36.30	66011.04	36.33	3457.04	0.00	0.00	0.00	0.00	0.00	386.35	3843.39
115.000	50000.00	36.31	36.31	53571.82	36.35	3386.00	0.00	0.00	0.00	0.00	0.00	74.86	3460.86
116.000	50000.00	36.35	36.35	34546.86	36.41	3492.95	0.00	0.00	0.00	0.00	0.00	38.27	3531.22
117.000	50000.00	36.41	36.41	25125.17	36.51	3322.00	0.00	0.00	0.00	0.00	0.00	35.48	3469.14
118.000	50000.00	36.58	36.58	19391.47	36.76	2647.18	0.00	0.00	0.00	0.00	0.00	41.35	2703.04
119.000	50000.00	37.47	37.47	10873.55	38.05	1146.15	0.00	0.00	0.00	0.00	0.00	466.52	1612.67
121.000	50000.00	42.05	42.05	25544.70	42.19	2734.73	0.00	0.00	0.00	0.00	0.00	123.69	2858.43
122.000	50000.00	42.27	42.27	25186.48	42.44	1848.77	0.00	0.00	0.00	0.00	0.00	126.63	2022.91
123.000	50000.00	42.59	42.59	30467.68	42.72	1573.96	0.00	0.00	0.00	0.00	0.00	167.15	1797.47
124.000	50000.00	42.80	42.80	34285.33	42.92	1321.28	0.00	0.00	0.00	0.00	0.00	52.64	1373.92
125.000	50000.00	42.92	42.92	36506.20	43.02	1450.62	0.00	0.00	0.00	0.00	0.00	34.78	1485.40
125.100	50000.00	42.95	42.95	30534.35	43.10	1250.54	0.00	0.00	0.00	0.00	0.00	70.76	1321.30
126.000	50000.00	43.95	43.95	4026.89	47.93	403.00	0.00	0.00	0.00	0.00	0.00	539.00	942.00

138.300	50000.000	79.366	0.000	0.963	79.366	958.609	0.000	220.000
139.000	50000.000	79.000	0.000	-0.366	79.000	868.021	0.000	90.000
140.000	50000.000	81.429	0.000	2.429	81.429	598.509	0.000	355.000
141.000	50000.000	85.021	0.000	3.592	85.021	569.576	0.000	470.000
142.000	50000.000	85.775	0.000	0.754	85.775	346.290	0.000	500.000
143.000	50000.000	95.060	0.000	9.285	95.060	430.000	0.000	445.000
144.000	50000.000	95.643	0.000	0.583	95.643	903.469	0.000	350.000
145.000	50000.000	96.678	0.000	1.035	96.678	750.360	0.000	1070.000
146.000	50000.000	104.998	0.000	8.320	104.998	556.266	0.000	885.000
147.000	50000.000	108.737	0.000	3.739	108.737	1034.399	0.000	545.000
148.000	50000.000	108.920	0.000	0.183	108.920	1011.081	0.000	370.000
149.000	50000.000	110.595	0.000	1.675	110.595	807.094	0.000	980.000
149.100	50000.000	115.507	0.000	4.912	115.507	902.252	0.000	600.000
150.000	50000.000	117.358	0.000	1.851	117.358	1066.486	0.000	570.000
151.000	50000.000	118.935	0.000	1.577	118.935	1140.925	0.000	1045.000
152.000	50000.000	121.954	0.000	3.019	121.954	1096.359	0.000	560.000
153.000	50000.000	125.986	0.000	4.032	125.986	1402.626	0.000	190.000
154.000	50000.000	126.867	0.000	0.881	126.867	1041.593	0.000	345.000
155.000	50000.000	127.706	0.000	0.839	127.706	982.547	0.000	330.000
156.000	50000.000	128.690	0.000	0.984	128.690	938.389	0.000	300.000
157.000	50000.000	131.450	0.000	2.760	131.450	903.142	0.000	170.000
157.100	50000.000	134.007	0.000	2.557	134.007	887.560	0.000	190.000
158.000	50000.000	134.353	0.000	0.346	134.353	893.577	0.000	210.000
159.000	50000.000	135.010	0.000	0.657	135.010	873.057	0.000	575.000
160.000	50000.000	143.573	0.000	8.563	143.573	1380.337	0.000	480.000
161.000	50000.000	144.538	0.000	0.965	144.538	1383.809	0.000	30.000
162.000	50000.000	145.263	0.000	0.725	145.263	1472.530	0.000	50.000
163.000	50000.000	146.146	0.000	0.883	146.146	1232.941	0.000	1150.000
164.000	50000.000	146.415	0.000	0.269	146.415	793.105	0.000	960.000
165.000	50000.000	149.110	0.000	2.695	149.110	822.413	0.000	750.000
166.000	50000.000	152.353	0.000	3.243	152.353	763.681	0.000	840.000
167.000	50000.000	161.298	0.000	8.945	161.298	777.320	0.000	1115.000

168.100	50000.000	168.419	0.000	1.369	168.419	509.622	0.000	450.000
169.000	50000.000	172.220	0.000	3.801	172.220	310.650	0.000	500.000
169.100	50000.000	175.617	0.000	3.397	175.617	326.737	0.000	200.000
169.300	50000.000	178.257	0.000	2.640	178.257	432.553	0.000	490.000
170.000	50000.000	180.196	0.000	1.939	180.196	573.090	0.000	240.000
170.100	50000.000	182.528	0.000	2.332	182.528	845.916	0.000	350.000
171.000	50000.000	183.564	0.000	1.036	183.564	1107.250	0.000	800.000
172.000	50000.000	185.713	0.000	2.149	185.713	821.620	0.000	1680.000
173.000	50000.000	192.321	0.000	6.608	192.321	726.236	0.000	1100.000
174.000	50000.000	198.867	0.000	6.546	198.867	1058.314	0.000	1100.000
175.000	50000.000	202.241	0.000	3.374	202.241	1135.610	0.000	1280.000
176.000	50000.000	208.005	0.000	5.764	208.005	717.857	0.000	1200.000
177.000	50000.000	212.603	0.000	4.598	212.603	897.806	0.000	800.000
178.000	50000.000	216.761	0.000	4.158	216.761	949.192	0.000	1200.000
179.000	50000.000	230.755	0.000	13.994	230.755	1176.093	0.000	1000.000
180.000	50000.000	238.268	0.000	7.513	238.268	1433.559	0.000	900.000
180.100	50000.000	239.727	0.000	1.459	239.727	1407.380	0.000	300.000
180.200	50000.000	243.066	0.000	3.339	243.066	1324.234	0.000	370.000
181.000	50000.000	245.128	0.000	2.062	245.128	1299.089	0.000	350.000
182.000	50000.000	251.711	0.000	6.583	251.711	1250.303	0.000	660.000
182.100	50000.000	254.239	0.000	2.528	254.239	1418.673	0.000	260.000
183.000	50000.000	254.955	0.000	0.716	254.955	759.435	0.000	220.000
184.000	50000.000	261.977	0.000	7.022	261.977	1457.191	0.000	1280.000
184.100	50000.000	264.281	0.000	2.304	264.281	1191.921	0.000	170.000
184.200	50000.000	266.388	0.000	2.107	266.388	1290.199	0.000	195.000
185.000	50000.000	267.190	0.000	0.802	267.190	1278.709	0.000	150.000
186.000	50000.000	267.524	0.000	0.334	267.524	840.387	0.000	390.000
187.000	50000.000	267.855	0.000	0.331	267.855	632.694	0.000	460.000
188.000	50000.000	267.716	0.000	-0.139	267.716	442.602	0.000	280.000
188.100	50000.000	268.194	0.000	0.478	268.194	346.569	0.000	100.000
188.200	50000.000	269.245	0.000	1.051	269.245	327.106	0.000	80.000
189.000	50000.000	272.286	0.000	3.041	272.286	355.617	0.000	100.000

190.100	50000.000	275.383	0.000	3.247	275.383	181.889	0.000	80.000
191.000	50000.000	278.063	0.000	2.680	278.063	136.175	0.000	170.000
192.000	50000.000	289.495	0.000	11.432	289.495	100.897	0.000	160.000
193.000	50000.000	298.131	0.000	8.636	298.131	213.420	0.000	210.000
194.000	50000.000	302.254	0.000	4.123	302.254	127.076	0.000	170.000
194.200	50000.000	306.146	0.000	3.892	306.146	125.643	0.000	250.000
195.000	50000.000	307.467	0.000	1.321	307.467	115.338	0.000	190.000
196.000	50000.000	313.611	0.000	6.144	313.611	119.238	0.000	160.000
197.000	50000.000	319.220	0.000	5.609	319.220	128.264	0.000	210.000
198.000	50000.000	323.461	0.000	4.241	323.461	147.958	0.000	180.000
199.000	50000.000	338.710	0.000	15.249	338.710	130.502	0.000	580.000
200.000	50000.000	345.974	0.000	7.264	345.974	205.754	0.000	480.000
201.000	50000.000	351.982	0.000	6.008	351.982	222.795	0.000	360.000
202.000	50000.000	358.354	0.000	6.372	358.354	267.677	0.000	480.000
203.000	50000.000	360.128	0.000	1.774	360.128	248.894	0.000	290.000
204.000	50000.000	360.707	0.000	0.579	360.707	164.151	0.000	420.000
204.100	50000.000	365.578	0.000	4.871	365.578	205.835	0.000	120.000
205.000	50000.000	365.608	0.000	0.030	365.608	208.975	0.000	280.000
206.000	50000.000	369.204	0.000	3.596	369.204	246.028	0.000	250.000
207.000	50000.000	377.101	0.000	7.897	377.101	238.369	0.000	370.000
207.100	50000.000	379.799	0.000	2.698	379.799	218.115	0.000	180.000
207.200	50000.000	384.942	0.000	5.143	384.942	255.152	0.000	250.000
208.000	50000.000	387.215	0.000	2.273	387.215	330.409	0.000	650.000

DATA FOR LAST CROSS SECTION

PROFILE	TYPE ENC	TARGET	TOP WIDTH AREA-ACRES	TOP WIDTH AREA-DIFF
1	0.000	0.000	1699.781	0.000

SECTION NUMBER	DISCHARGE CFS	CWSEL	CWSEL	TQ	EG	TOPWID	STENCL	STENCR	WSELK	J3J4X5	J3J4X5	SSTA	ENDST
173.000	50000.00	192.32	192.32	4678.31	195.00	726.24	0.00	0.00	0.00	0.00	0.00	426.99	1199.48
174.000	50000.00	198.87	198.87	11127.33	199.53	1058.31	0.00	0.00	0.00	0.00	0.00	450.24	1508.55
175.000	50000.00	202.24	202.24	7902.43	203.14	1135.61	0.00	0.00	0.00	0.00	0.00	418.66	1554.27
176.000	50000.00	208.00	208.00	4879.15	210.61	717.86	0.00	0.00	0.00	0.00	0.00	770.71	1488.57
177.000	50000.00	212.60	212.60	13779.50	213.18	897.81	0.00	0.00	0.00	0.00	0.00	694.33	1592.13
178.000	50000.00	216.76	216.76	4625.47	219.02	949.19	0.00	0.00	0.00	0.00	0.00	541.62	1509.20
179.000	50000.00	230.76	230.76	4082.57	232.69	1176.09	0.00	0.00	0.00	0.00	0.00	173.48	1349.57
180.000	50000.00	238.27	238.27	7684.22	239.19	1433.56	0.00	0.00	0.00	0.00	0.00	122.58	1556.14
180.100	50000.00	239.73	239.73	4825.22	241.27	1407.38	0.00	0.00	0.00	0.00	0.00	254.84	1750.72
180.200	50000.00	243.07	243.07	6157.42	244.36	1324.23	0.00	0.00	0.00	0.00	0.00	389.08	1713.31
181.000	50000.00	245.13	245.13	6611.32	246.58	1299.09	0.00	0.00	0.00	0.00	0.00	398.51	1697.60
182.000	50000.00	251.71	251.71	6395.02	253.80	1250.30	0.00	0.00	0.00	0.00	0.00	335.81	1600.56
182.100	50000.00	254.24	254.24	9382.65	255.10	1418.67	0.00	0.00	0.00	0.00	0.00	22.53	1635.56
183.000	50000.00	254.96	254.96	7925.77	256.42	759.43	0.00	0.00	0.00	0.00	0.00	162.10	921.53
184.000	50000.00	261.98	261.98	6159.15	263.76	1457.19	0.00	0.00	0.00	0.00	0.00	262.15	1719.34
184.100	50000.00	264.28	264.28	5971.43	266.40	1191.92	0.00	0.00	0.00	0.00	0.00	300.71	1522.81
184.200	50000.00	266.39	266.39	9699.37	267.34	1290.20	0.00	0.00	0.00	0.00	0.00	257.56	1547.75
185.000	50000.00	267.19	267.19	14672.04	267.65	1278.71	0.00	0.00	0.00	0.00	0.00	124.22	1402.93
186.000	50000.00	267.52	267.52	14188.58	268.14	840.39	0.00	0.00	0.00	0.00	0.00	168.11	1008.49
187.000	50000.00	267.86	267.86	10560.67	268.91	632.69	0.00	0.00	0.00	0.00	0.00	128.85	761.54
188.000	50000.00	267.72	267.72	6633.53	270.28	442.60	0.00	0.00	0.00	0.00	0.00	125.88	568.48
188.100	50000.00	268.19	268.19	4914.73	272.60	346.57	0.00	0.00	0.00	0.00	0.00	159.14	505.71
188.200	50000.00	269.24	269.24	4755.25	273.83	327.11	0.00	0.00	0.00	0.00	0.00	143.52	470.63
189.000	50000.00	272.29	272.29	8096.72	274.66	355.62	0.00	0.00	0.00	0.00	0.00	150.00	505.62
190.000	50000.00	272.14	272.14	5106.42	278.27	217.32	0.00	0.00	0.00	0.00	0.00	180.08	397.40
190.100	50000.00	275.38	275.38	5319.38	282.18	181.89	0.00	0.00	0.00	0.00	0.00	118.88	300.77
191.000	50000.00	278.06	278.06	4851.45	286.13	136.18	0.00	0.00	0.00	0.00	0.00	172.59	308.76
192.000	50000.00	289.50	289.50	4648.33	299.46	100.90	0.00	0.00	0.00	0.00	0.00	229.13	330.03

3301 HV CHANGED MORE THAN HVINS

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST
207.20	23.94	384.94	0.00	0.00	387.28	2.33	0.94	0.38	367.60
50000.	4922.	28709.	16369.	580.	2180.	1418.	11512.	1696.	368.20
2.62	8.48	13.17	11.54	0.040	0.040	0.040	0.041	361.00	26.51
0.002257	250.	250.	250.	4	0	1	0.00	255.15	281.66

FLOW DISTRIBUTION

STA=	27.	38.	55.	87.	193.	228.	255.	275.	282.
PER Q=	0.3	1.8	7.8	57.4	14.9	13.9	3.8	0.1	
AREA=	38.7	129.1	412.5	2179.6	621.0	538.4	246.8	11.8	
VEL=	3.6	6.8	9.5	13.2	12.0	12.9	7.8	2.4	

3301 HV CHANGED MORE THAN HVINS

208.00	26.72	387.22	0.00	0.00	388.11	0.89	0.69	0.14	364.40
50000.	7973.	35611.	6416.	1387.	4396.	988.	11590.	1700.	362.80
2.64	5.75	8.10	6.49	0.040	0.040	0.040	0.041	360.50	202.26
0.000642	590.	650.	590.	2	0	1	0.00	330.41	532.66

FLOW DISTRIBUTION

STA=	202.	227.	303.	477.	500.	533.
PER Q=	0.7	15.3	71.2	9.2	3.6	
AREA=	127.6	1259.0	4396.5	573.1	415.1	
VEL=	2.7	6.1	8.1	8.0	4.4	

206.00	24.60	369.20	369.20	0.00	374.91	5.71	1.62	0.00	350.10
50000.	3632.	32394.	13974.	296.	1468.	1150.	11458.	1691.	355.50
2.61	12.26	22.06	12.15	0.040	0.040	0.040	0.041	344.60	292.99
0.006661	240.	250.	260.	30	11	1	0.00	246.03	539.02

FLOW DISTRIBUTION

STA=	293.	324.	397.	481.	516.	539.
PER Q=	7.3	64.8	18.9	6.5	2.6	
AREA=	296.2	1468.4	735.3	276.6	138.2	
VEL=	12.3	22.1	12.8	11.8	9.2	

3685 20 TRIALS USED WSEL,CWSEL

7185 MIN SPECIFIC ENERGY

3720 ASSUMED CRITICAL DEPTH

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST
207.00	18.30	377.10	377.10	0.00	382.88	5.78	2.92	0.00	372.50
50000.	588.	19301.	30112.	84.	973.	1576.	11481.	1693.	365.10
2.61	7.01	19.84	19.10	0.040	0.040	0.040	0.041	358.80	340.00
0.009535	350.	370.	370.	30	19	1	0.00	238.37	578.37

FLOW DISTRIBUTION

STA=	340.	373.	446.	486.	525.	562.	578.
PER Q=	1.2	38.6	17.5	19.4	20.9	2.4	
AREA=	83.9	972.8	468.0	493.4	505.1	109.7	
VEL=	7.0	19.8	18.7	19.7	20.7	10.9	

3685 20 TRIALS USED WSEL,CWSEL

7185 MIN SPECIFIC ENERGY

3720 ASSUMED CRITICAL DEPTH

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST
207.10	20.30	379.80	379.80	0.00	385.95	6.15	1.52	0.00	365.80
50000.	9700.	40185.	115.	726.	1895.	21.	11492.	1694.	373.80
2.61	13.35	21.21	5.56	0.040	0.040	0.040	0.041	359.50	56.79
0.007544	180.	180.	180.	30	8	1	0.00	218.11	274.91

FLOW DISTRIBUTION

STA=	57.	75.	125.	160.	268.	275.
PER Q=	0.3	6.4	12.8	80.4	0.2	
AREA=	10.9	300.0	395.5	1894.7	20.7	

TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST
204.00	26.51	360.71	360.71	0.00	367.74	7.03	1.32	0.00	346.20
50000.	15793.	34207.	0.	878.	1511.	0.	11412.	1688.	397.40
2.60	17.98	22.64	0.00	0.040	0.040	0.040	0.041	334.20	430.43
0.009054	420.	420.	370.	30	8	1	0.00	164.15	594.58

FLOW DISTRIBUTION

STA=	430.	439.	459.	514.	630.
PER Q=	0.2	4.1	27.2	68.4	
AREA=	18.9	155.1	704.4	1511.0	
VEL=	5.5	13.4	19.3	22.6	

3301 HV CHANGED MORE THAN HVINS

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST
204.10	27.58	365.58	0.00	0.00	368.68	3.10	0.55	0.39	344.00
50000.	19778.	30140.	82.	1517.	2032.	28.	11420.	1689.	363.00
2.60	13.04	14.83	2.96	0.040	0.040	0.040	0.041	338.00	52.53
0.002902	110.	120.	115.	4	0	1	0.00	205.83	258.36

FLOW DISTRIBUTION

STA=	53.	60.	115.	153.	243.	258.	258.
PER Q=	0.1	14.5	24.9	60.3	0.2	0.0	
AREA=	15.2	691.6	810.4	2032.3	27.4	0.2	
VEL=	2.9	10.5	15.4	14.8	3.0	0.6	

3301 HV CHANGED MORE THAN HVINS

205.00	21.11	365.61	0.00	0.00	370.30	4.70	1.14	0.48	383.60
50000.	0.	33822.	16178.	0.	1872.	1019.	11441.	1690.	352.10
2.60	0.00	18.07	15.88	0.040	0.040	0.040	0.041	344.50	324.43
0.006169	290.	280.	270.	3	0	1	0.00	208.98	533.40

FLOW DISTRIBUTION

STA=	324.	440.	474.	513.	533.
PER Q=	67.6	19.6	12.3	0.4	
AREA=	1871.9	537.6	437.2	44.0	
VEL=	18.1	18.3	14.1	4.8	

3685 20 TRIALS USED WSEL,CWSEL

7185 MIN SPECIFIC ENERGY

3720 ASSUMED CRITICAL DEPTH

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST
201.00	21.98	351.98	351.98	0.00	358.26	6.27	3.56	0.00	372.00
50000.	0.	49683.	317.	0.	2464.	67.	11318.	1682.	348.40
2.57	0.00	20.16	4.76	0.040	0.040	0.040	0.041	330.00	241.22
0.009404	400.	360.	300.	30	8	1	0.00	222.80	586.67

FLOW DISTRIBUTION

STA=	241.	421.	434.	576.	587.
PER Q=	99.4	0.2	0.3	0.1	
AREA=	2464.2	23.2	27.9	15.4	
VEL=	20.2	5.2	4.6	4.5	

3301 HV CHANGED MORE THAN HVINS

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST
202.00	27.35	358.35	0.00	0.00	361.31	2.96	2.73	0.33	349.50
50000.	735.	48609.	656.	93.	3484.	113.	11353.	1685.	349.90
2.58	7.89	13.95	5.80	0.040	0.040	0.040	0.041	331.00	159.08
0.003798	500.	480.	450.	3	0	1	0.00	267.68	426.76

FLOW DISTRIBUTION

STA=	159.	166.	174.	400.	427.
PER Q=	0.2	1.2	97.2	1.3	
AREA=	26.8	66.4	3484.3	113.1	
VEL=	4.3	9.3	14.0	5.8	

3301 HV CHANGED MORE THAN HVINS

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST
203.00	27.03	360.13	0.00	0.00	362.09	1.96	0.68	0.10	340.60
50000.	1455.	28979.	19565.	248.	2361.	1986.	11380.	1686.	339.60
2.59	5.88	12.27	9.85	0.040	0.040	0.040	0.041	333.10	307.64
0.001636	360.	290.	250.	2	0	1	0.00	248.89	556.54

FLOW DISTRIBUTION

STA=	308.	333.	433.	533.	557.
PER Q=	2.9	58.0	37.2	1.9	
AREA=	247.6	2361.4	1802.9	182.8	
VEL=	5.9	12.3	10.3	5.2	

3685 20 TRIALS USED WSEL,CWSEL

7185 MIN SPECIFIC ENERGY

3720 ASSUMED CRITICAL DEPTH

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV

```
    VEL=      12.6      23.3       5.3

3685 20 TRIALS USED WSEL,CWSEL

7185 MIN SPECIFIC ENERGY

3720 ASSUMED CRITICAL DEPTH

    SECNO     DEPTH     CWSEL     CRIWS     WSELK      EG        HV        HL       OLOSS   BANK ELEV
    Q         QLOB      QCH       QROB      ALOB       ACH       AROB      VOL      TWA   LEFT/RIGHT
    TIME      VLOB      VCH       VROB      XNL        XNCH      XNR       WTN      ELMIN     SSTA
    SLOPE     XLOBL     XLCH      XLOBR     ITRIAL     IDC       ICONT     CORAR    TOPWID    ENDST

    199.00     27.31    338.71    338.71      0.00     347.41      8.70      5.31      0.00   326.50
    50000.      1746.   48254.       0.       156.      2011.       0.     11272.     1678.    354.60
      2.56     11.18     23.99      0.00     0.040     0.040     0.040     0.041    311.40   330.42
 0.009306       580.      580.      570.        30        11         1      0.00    130.50   460.92

FLOW DISTRIBUTION

STA=      330.      356.      476.
  PER Q=      3.5      96.5
   AREA=    156.2    2011.1
    VEL=     11.2      24.0

7185 MIN SPECIFIC ENERGY

3720 ASSUMED CRITICAL DEPTH

3265 DIVIDED FLOW

    SECNO     DEPTH     CWSEL     CRIWS     WSELK      EG        HV        HL       OLOSS   BANK ELEV
    Q         QLOB      QCH       QROB      ALOB       ACH       AROB      VOL      TWA   LEFT/RIGHT
    TIME      VLOB      VCH       VROB      XNL        XNCH      XNR       WTN      ELMIN     SSTA
    SLOPE     XLOBL     XLCH      XLOBR     ITRIAL     IDC       ICONT     CORAR    TOPWID    ENDST

    200.00     19.17    345.97    345.97      0.00     352.37      6.39      4.71      0.00   343.90
    50000.       11.     49963.      26.         3.      2461.       7.     11298.     1680.    344.00
      2.57      3.45     20.30      3.57     0.040     0.040     0.040     0.041    326.80   248.81
 0.010395       420.      480.      480.         4        19         1      0.00    205.75   537.66

FLOW DISTRIBUTION

STA=      249.      252.      446.      453.      538.
  PER Q=      0.0      99.9       0.1       0.0
   AREA=      3.3    2461.3       7.0       0.2
    VEL=      3.5      20.3       3.7       0.6

3685 20 TRIALS USED WSEL,CWSEL

7185 MIN SPECIFIC ENERGY

3720 ASSUMED CRITICAL DEPTH
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SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST
196.00	31.31	313.61	313.61	0.00	322.71	9.10	1.50	0.00	321.20
50000.	0.	44756.	5244.	0.	1789.	333.	11224.	1675.	290.70
2.55	0.00	25.01	15.74	0.040	0.040	0.040	0.041	282.30	264.85
0.009585	120.	160.	140.	30	11	1	0.00	119.24	384.09

FLOW DISTRIBUTION

STA=	265.	355.	384.
PER Q=	89.5	10.5	
AREA=	1789.4	333.2	
VEL=	25.0	15.7	

3685 20 TRIALS USED WSEL,CWSEL

7185 MIN SPECIFIC ENERGY

3720 ASSUMED CRITICAL DEPTH

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST
197.00	25.62	319.22	319.22	0.00	328.15	8.93	1.91	0.00	308.00
50000.	181.	47868.	1951.	29.	1962.	165.	11234.	1676.	303.50
2.55	6.16	24.40	11.80	0.040	0.040	0.040	0.041	293.60	163.77
0.008683	200.	210.	200.	30	15	1	0.00	128.26	292.03

FLOW DISTRIBUTION

STA=	164.	169.	271.	292.
PER Q=	0.4	95.7	3.9	
AREA=	29.4	1962.1	165.3	
VEL=	6.2	24.4	11.8	

3685 20 TRIALS USED WSEL,CWSEL

7185 MIN SPECIFIC ENERGY

3720 ASSUMED CRITICAL DEPTH

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST
198.00	22.76	323.46	323.46	0.00	331.57	8.11	1.59	0.00	307.90
50000.	2691.	47233.	77.	213.	2025.	14.	11243.	1676.	317.10
2.56	12.62	23.32	5.32	0.040	0.040	0.040	0.041	300.70	187.59
0.009012	200.	180.	160.	30	11	1	0.00	147.96	335.55

FLOW DISTRIBUTION

STA=	188.	215.	331.	336.
PER Q=	5.4	94.5	0.2	

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0.010738      280.      300.      310.         2         0         1      0.00  1407.38  1750.72

FLOW DISTRIBUTION

STA=      255.      500.      615.      700.      850.      960.     1038.     1142.     1260.     1370.     1480.     1592.     1700.
STA=     1751.
  PER Q=      3.2       5.3       7.7      14.1      14.4      12.2      12.6       9.7       6.6       5.8       5.0       3.2
  PER Q=      0.3
   AREA=    240.0     336.9     371.7     671.9     602.7     474.2     543.8     487.3     377.2     349.7     322.5     240.8
   AREA=     43.9
    VEL=      6.7       7.9      10.3      10.5      12.0      12.8      11.6       9.9       8.8       8.3       7.8       6.6
    VEL=      3.5

   180.20      8.27    243.07      0.00      0.00    244.36      1.29      3.06      0.03    237.30
   50000.   19763.    11095.    19142.     2033.     1015.     2704.    10493.     1551.     239.00
     2.39      9.72     10.93      7.08     0.040     0.040     0.040     0.041    234.80    389.08
0.006594      380.      370.      360.         3         0         1      0.00  1324.23  1713.31

FLOW DISTRIBUTION

STA=      389.      510.      542.      623.      708.      760.      907.     1021.     1132.     1256.     1375.     1440.     1530.
STA=     1713.
  PER Q=      6.1       3.7      11.7      11.5       6.5      22.2       7.6       6.2       5.1       7.1       4.7       4.2
  PER Q=      3.3
   AREA=    429.2     189.3     544.0     549.6     320.6    1015.1     480.6     423.6     392.6     472.0     290.3     307.4
   AREA=    337.0
    VEL=      7.1       9.9      10.7      10.5      10.1      10.9       7.9       7.4       6.5       7.6       8.2       6.8
    VEL=      4.9

   181.00     10.83    245.13      0.00      0.00    246.58      1.45      2.17      0.05    236.90
   50000.   17614.     8554.    23832.     1647.      682.     3222.    10539.     1562.     237.10
     2.40     10.69     12.55      7.40     0.040     0.040     0.040     0.041    234.30    398.51
0.005720      350.      350.      360.         3         0         1      0.00  1299.09  1697.60

FLOW DISTRIBUTION

STA=      399.      521.      622.      694.      799.      832.     1069.     1235.     1358.     1698.
  PER Q=     19.4      15.9      17.1      17.1       3.1      13.5       8.2       3.0       2.9
   AREA=    902.0     745.4     681.7     790.6     177.5     916.6     610.9     298.9     427.3
    VEL=     10.7      10.6      12.5      10.8       8.6       7.3       6.7       5.1       3.3

3685 20 TRIALS USED WSEL,CWSEL

7185 MIN SPECIFIC ENERGY

3720 ASSUMED CRITICAL DEPTH

3265 DIVIDED FLOW

   SECNO     DEPTH     CWSEL     CRIWS     WSELK        EG        HV        HL     OLOSS   BANK ELEV
   Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA   LEFT/RIGHT
   TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN      SSTA
   SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID     ENDST

   182.00     11.81    251.71    251.71      0.00    253.80      2.09      4.01      0.00    243.10
   50000.   10933.    28047.    11020.     1010.     2081.     1939.    10623.     1583.     244.80
     2.42     10.82     13.48      5.68     0.040     0.040     0.040     0.041    239.90    335.81
0.006113      650.      660.      720.        30         8         1      0.00  1250.30  1600.56
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PER Q=	4.0	3.3	42.9	8.5	11.8	12.1	7.3	4.5	4.3	1.3
AREA=	614.5	489.9	3597.7	825.8	1020.5	1001.7	647.6	505.9	555.7	251.6
VEL=	3.3	3.3	6.0	5.2	5.8	6.0	5.7	4.4	3.9	2.6

172.00	9.71	185.71	0.00	0.00	186.62	0.90	2.46	0.13	186.60
50000.	0.	3505.	46495.	0.	504.	6062.	9294.	1342.	178.30
2.11	0.00	6.95	7.67	0.040	0.040	0.040	0.041	176.00	294.23
0.002593	1680.	1680.	1690.	2	0	1	0.00	821.62	1115.85

FLOW DISTRIBUTION

STA=	294.	363.	520.	661.	765.	882.	1000.	1101.	1116.
PER Q=	7.0	19.1	21.2	13.2	12.1	16.5	10.8	0.3	
AREA=	504.0	1258.1	1285.0	854.2	849.8	1028.2	748.8	38.0	
VEL=	7.0	7.6	8.3	7.7	7.1	8.0	7.2	3.4	

3685 20 TRIALS USED WSEL,CWSEL

7185 MIN SPECIFIC ENERGY

3720 ASSUMED CRITICAL DEPTH

3265 DIVIDED FLOW

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST
173.00	9.02	192.32	192.32	0.00	195.00	2.67	4.86	0.00	188.30
50000.	29930.	12289.	7781.	2134.	1024.	703.	9416.	1360.	188.50
2.13	14.02	12.00	11.08	0.040	0.040	0.040	0.041	183.30	426.99
0.011423	1020.	1100.	1000.	30	11	1	0.00	726.24	1199.48

FLOW DISTRIBUTION

STA=	427.	434.	474.	485.	537.	602.	662.	825.	852.	1046.	1104.	1185.	1199.
PER Q=	0.1	1.7	0.2	0.0	2.3	8.8	42.5	4.2	24.6	5.2	9.8	0.6	
AREA=	7.1	110.8	19.4	4.9	160.6	346.3	1323.8	161.2	1024.3	247.7	414.8	40.0	
VEL=	3.9	7.8	5.6	3.5	7.3	12.7	16.0	13.0	12.0	10.5	11.8	7.5	

3301 HV CHANGED MORE THAN HVINS

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST
174.00	10.87	198.87	0.00	0.00	199.53	0.66	4.33	0.20	191.20
50000.	7223.	4119.	38658.	1151.	559.	5964.	9557.	1382.	194.30
2.17	6.28	7.36	6.48	0.040	0.040	0.040	0.041	188.00	450.24
0.002019	1190.	1100.	990.	4	0	1	0.00	1058.31	1508.55

FLOW DISTRIBUTION

STA=	450.	537.	635.	694.	752.	846.	990.	1120.	1220.	1317.	1413.	1509.
PER Q=	6.0	8.5	8.2	3.4	12.5	17.6	13.8	8.6	8.7	9.7	3.0	

VEL=	6.1	11.0	14.8	13.6	13.5	13.9	13.7	14.1	14.1	12.2	6.5
169.30	14.76	178.26	0.00	0.00	180.99	2.73	2.38	0.02	164.50		
50000.	3087.	19658.	27256.	298.	1271.	2320.	8752.	1278.	165.00		
1.98	10.36	15.46	11.75	0.040	0.040	0.040	0.041	163.50	285.89		
0.005074	490.	490.	490.	3	0	1	0.00	432.55	718.44		

FLOW DISTRIBUTION

STA=	286.	320.	340.	360.	450.	500.	530.	600.	648.	700.	718.
PER Q=	0.0	1.0	5.2	39.3	16.1	7.9	15.7	9.1	5.5	0.2	
AREA=	9.5	78.2	210.2	1271.5	587.9	313.7	662.1	410.8	315.0	30.0	
VEL=	1.1	6.3	12.3	15.5	13.7	12.7	11.8	11.1	8.8	3.6	

3301 HV CHANGED MORE THAN HVINS

170.00	14.10	180.20	0.00	0.00	182.24	2.04	1.18	0.07	170.00
50000.	9647.	8029.	32325.	1047.	591.	2813.	8774.	1281.	170.50
1.99	9.21	13.58	11.49	0.040	0.040	0.040	0.041	166.10	445.16
0.004942	250.	240.	230.	3	0	1	0.00	573.09	1018.25

FLOW DISTRIBUTION

STA=	445.	528.	562.	592.	642.	691.	781.	828.	887.	936.	993.	1018.
PER Q=	1.9	2.7	3.9	10.8	16.1	18.6	8.9	15.4	14.3	7.1	0.3	
AREA=	198.5	173.1	208.3	467.1	591.2	818.3	406.2	616.1	548.4	384.3	40.3	
VEL=	4.7	7.7	9.5	11.6	13.6	11.4	11.0	12.5	13.1	9.3	3.5	

3301 HV CHANGED MORE THAN HVINS

170.10	15.13	182.53	0.00	0.00	183.15	0.62	0.77	0.14	173.70
50000.	14623.	4291.	31086.	2712.	623.	4688.	8824.	1287.	175.20
2.00	5.39	6.89	6.63	0.040	0.040	0.040	0.041	167.40	234.58
0.001274	350.	350.	340.	2	0	1	0.00	845.92	1080.49

FLOW DISTRIBUTION

STA=	235.	320.	420.	480.	530.	580.	630.	728.	768.	800.	844.	914.	938.
STA=	978.	1038.	1080.										
PER Q=	4.9	7.7	5.0	5.8	6.0	8.6	18.6	6.8	4.0	3.7	5.3	4.3	
PER Q=	7.2	10.8	1.5										
AREA=	514.3	752.9	471.7	481.9	491.4	622.7	1267.5	485.1	324.1	353.3	520.0	300.7	
AREA=	501.1	751.7	184.3										
VEL=	4.7	5.1	5.2	6.0	6.1	6.9	7.3	7.0	6.2	5.3	5.1	7.2	
VEL=	7.2	7.2	4.0										

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST
171.00	13.36	183.56	0.00	0.00	184.02	0.46	0.86	0.02	179.60
50000.	3635.	21465.	24900.	1104.	3598.	4809.	8983.	1305.	174.00
2.04	3.29	5.97	5.18	0.040	0.040	0.040	0.041	170.20	131.30
0.000933	780.	800.	790.	2	0	1	0.00	1107.25	1238.55

FLOW DISTRIBUTION

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STA=      389.      435.      455.      528.      662.      775.      963.     1033.     1052.
 PER Q=     0.0       1.2      11.4      21.8      23.1      39.2       3.1       0.2
  AREA=    17.3     100.0     627.9    1179.3    1141.4    1922.4     280.1      35.6
   VEL=     1.1       6.0       9.1       9.2      10.1      10.2       5.5       3.3

CCHV=   0.100 CEHV=   0.300
  168.10    11.72   168.42     0.00     0.00   170.02     1.60     1.49     0.05   157.00
 50000.   35503.   11027.    3470.    3441.    1055.     490.    8648.    1268.   161.40
    1.96    10.32    10.45     7.08    0.040    0.040    0.040    0.041   156.70   304.72
0.003218     450.     450.     450.        3        0        1     0.00   509.62   814.34

FLOW DISTRIBUTION

STA=      305.      328.      355.      410.      463.      603.      635.      730.      790.      814.
 PER Q=     0.6       4.0      13.6      12.7      32.4       7.7      22.1       6.2       0.7
  AREA=    66.6     231.4     633.6     597.3    1549.8     362.2    1055.1     409.2      80.6
   VEL=     4.2       8.7      10.8      10.6      10.5      10.6      10.5       7.6       4.6

3685 20 TRIALS USED WSEL,CWSEL

7185 MIN SPECIFIC ENERGY

3720 ASSUMED CRITICAL DEPTH

   SECNO     DEPTH     CWSEL     CRIWS     WSELK        EG        HV        HL     OLOSS   BANK ELEV
       Q      QLOB       QCH      QROB      ALOB       ACH      AROB       VOL       TWA  LEFT/RIGHT
    TIME      VLOB       VCH      VROB       XNL      XNCH       XNR       WTN    ELMIN       SSTA
   SLOPE     XLOBL      XLCH     XLOBR    ITRIAL       IDC    ICONT     CORAR    TOPWID      ENDST

   169.00     12.62    172.22    172.22      0.00    177.09     4.87      2.63      0.00   163.70
   50000.    2156.    46594.    1250.      224.     2567.      120.     8694.     1273.    161.80
     1.97     9.62     18.15     10.42     0.040     0.040     0.040     0.041   159.60   722.38
 0.009868      510.      500.      500.        30         8         1      0.00   310.65  1033.02

FLOW DISTRIBUTION

STA=      722.      775.     1010.     1033.
 PER Q=     4.3      93.2       2.5
  AREA=   224.2    2566.7     120.0
   VEL=     9.6      18.2      10.4

3301 HV CHANGED MORE THAN HVINS

   SECNO     DEPTH     CwSEL     CRIWS     WSELK        EG        HV        HL     OLOSS   BANK ELEV
       Q      QLOB       QCH      QROB      ALOB       ACH      AROB       VOL       TWA  LEFT/RIGHT
    TIME      VLOB       VCH      VROB       XNL      XNCH       XNR       WTN    ELMIN       SSTA
   SLOPE     XLOBL      XLCH     XLOBR    ITRIAL       IDC    ICONT     CORAR    TOPWID      ENDST

   169.10     15.22    175.62      0.00      0.00    178.59     2.97      1.31      0.19   163.20
   50000.    2064.    24678.    23258.      258.     1669.     1765.     8709.     1274.   161.80
     1.97     7.99     14.79     13.18     0.040     0.040     0.040     0.041   160.40   598.45
 0.004636      200.      200.      200.         4         0         1      0.00   326.74   925.19

FLOW DISTRIBUTION

STA=      598.      640.      650.      768.      790.      805.      810.      835.      862.      880.      900.      925.
 PER Q=     1.0       2.2      49.4       7.5       5.0       1.8       8.6      10.1       6.7       5.2       1.5
```

1.88	7.78	9.70	6.81	0.040	0.040	0.040	0.042	137.50	535.03
0.003540	770.	750.	870.	2	0	1	0.00	822.41	1357.44

FLOW DISTRIBUTION

STA=	535.	652.	728.	825.	865.	1236.	1306.	1337.	1357.
PER Q=	0.9	3.3	14.0	6.8	66.2	4.2	3.6	1.0	
AREA=	163.2	297.5	787.1	356.6	3413.9	337.0	219.0	89.1	
VEL=	2.8	5.5	8.9	9.5	9.7	6.3	8.1	5.6	

166.00	11.15	152.35	0.00	0.00	153.71	1.35	3.30	0.03	147.70
50000.	5574.	14885.	29542.	779.	1478.	3169.	8398.	1230.	144.00
1.90	7.15	10.07	9.32	0.040	0.040	0.040	0.041	141.20	449.30
0.004118	800.	840.	940.	2	0	1	0.00	763.68	1212.98

FLOW DISTRIBUTION

STA=	449.	515.	555.	604.	774.	800.	833.	984.	1098.	1204.	1213.
PER Q=	3.8	4.3	3.0	29.8	4.5	6.8	28.3	13.4	6.0	0.1	
AREA=	291.1	260.1	228.0	1478.2	225.0	315.2	1366.9	781.2	466.6	13.7	
VEL=	6.5	8.3	6.6	10.1	10.0	10.7	10.4	8.6	6.4	3.0	

3685 20 TRIALS USED WSEL,CWSEL

7185 MIN SPECIFIC ENERGY

3720 ASSUMED CRITICAL DEPTH

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

167.00	8.40	161.30	161.30	0.00	163.96	2.66	6.23	0.00	154.50
50000.	18014.	30939.	1047.	1647.	2156.	140.	8508.	1248.	154.50
1.92	10.94	14.35	7.48	0.040	0.040	0.040	0.041	152.90	106.37
0.009575	1100.	1115.	870.	30	15	1	0.00	777.32	883.69

FLOW DISTRIBUTION

STA=	106.	269.	383.	457.	538.	813.	884.
PER Q=	4.3	3.7	12.0	16.0	61.9	2.1	
AREA=	310.7	272.3	477.2	587.1	2156.5	140.0	
VEL=	6.9	6.8	12.6	13.6	14.3	7.5	

3301 HV CHANGED MORE THAN HVINS

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

168.00	12.65	167.05	0.00	0.00	168.48	1.43	4.39	0.12	156.50
50000.	28771.	19582.	1647.	3066.	1922.	316.	8595.	1262.	162.90
1.95	9.38	10.19	5.22	0.040	0.040	0.040	0.041	154.40	389.01
0.003400	830.	820.	760.	3	0	1	0.00	662.50	1051.51

0.011685	1210.	1200.	1180.	30	19	1	0.00	949.19	1509.20

FLOW DISTRIBUTION

STA=	542.	566.	654.	670.	882.	1000.	1052.	1121.	1330.	1430.	1471.	1506.	1509.
PER Q=	1.8	20.8	2.2	15.8	11.9	6.2	15.8	21.4	2.4	0.3	1.3	0.0	
AREA=	93.4	669.8	88.2	807.9	538.2	263.2	517.0	963.7	193.1	31.2	87.9	3.6	
VEL=	9.5	15.5	12.3	9.8	11.0	11.8	15.3	11.1	6.2	5.0	7.4	3.8	

7185 MIN SPECIFIC ENERGY

3720 ASSUMED CRITICAL DEPTH

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST
179.00	4.86	230.76	230.76	0.00	232.69	1.94	13.49	0.00	228.00
50000.	17765.	15169.	17066.	1592.	1364.	1520.	10294.	1504.	227.40
2.34	11.16	11.12	11.23	0.040	0.040	0.040	0.041	225.90	173.48
0.014999	1100.	1000.	920.	4	14	1	0.00	1176.09	1349.57

FLOW DISTRIBUTION

STA=	173.	186.	337.	511.	593.	950.	1094.	1246.	1330.	1350.
PER Q=	0.3	13.9	16.0	5.3	30.3	9.9	14.3	9.4	0.6	
AREA=	23.5	604.8	696.9	266.9	1364.1	483.2	616.4	378.5	41.7	
VEL=	6.7	11.5	11.5	10.0	11.1	10.2	11.6	12.4	7.4	

3301 HV CHANGED MORE THAN HVINS

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST
180.00	8.77	238.27	0.00	0.00	239.19	0.92	6.39	0.10	231.60
50000.	22431.	12126.	15443.	3236.	1271.	2167.	10408.	1530.	231.20
2.37	6.93	9.54	7.12	0.040	0.040	0.040	0.041	229.50	122.58
0.004234	920.	900.	830.	4	0	1	0.00	1433.56	1556.14

FLOW DISTRIBUTION

STA=	123.	138.	193.	290.	467.	649.	810.	922.	1084.	1264.	1429.	1556.
PER Q=	0.5	3.7	1.7	1.9	7.7	15.9	13.5	24.3	17.8	10.8	2.3	
AREA=	49.1	265.2	210.7	287.2	668.4	985.7	769.7	1270.8	1102.0	787.5	278.0	
VEL=	5.0	6.9	4.1	3.3	5.8	8.1	8.7	9.5	8.1	6.9	4.1	

3265 DIVIDED FLOW

3301 HV CHANGED MORE THAN HVINS

180.10	6.43	239.73	0.00	0.00	241.27	1.55	1.90	0.19	235.20
50000.	18113.	7210.	27676.	1621.	603.	2839.	10448.	1540.	233.30

137.00	10.90	68.70	68.70	0.00	71.78	3.08	3.08	0.00	65.00
50000.	16798.	18369.	14833.	1356.	1126.	1158.	5759.	894.	63.40
1.30	12.39	16.32	12.81	0.040	0.040	0.040	0.042	57.80	290.76
0.010635	410.	440.	390.	30	16	1	0.00	575.97	866.74

FLOW DISTRIBUTION

STA=	291.	312.	366.	473.	536.	663.	785.	836.	867.
PER Q=	0.7	9.6	18.1	5.2	36.7	21.7	7.3	0.7	
AREA=	53.1	356.4	684.9	261.5	1125.6	805.3	295.8	56.9	
VEL=	6.9	13.5	13.2	9.9	16.3	13.5	12.3	5.7	

SUMMARY PRINTOUT FOR MULTIPLE PROFILES

SAN DIEGO COUNTY FLOOD C 500

SECTION NUMBER	DISCHARGE CFS	CWSEL	CWSEL	TQ	EG	TOPWID	STENCL	STENCR	WSELK	J3J4X5	J3J4X5	SSTA	ENDST
102.200	50000.00	12.60	12.60	13132.81	12.84	3560.70	0.00	0.00	12.60	0.00	0.00	395.78	4090.00
102.300	50000.00	13.63	13.63	12933.87	13.92	3046.17	0.00	0.00	0.00	12.60	12.60	41.10	3182.00
102.400	50000.00	14.82	14.82	20167.96	14.95	3532.32	0.00	0.00	0.00	0.00	0.00	69.66	3619.92
103.000	50000.00	15.00	15.00	19086.66	15.14	3984.45	0.00	0.00	0.00	0.00	0.00	497.46	4516.74
104.000	50000.00	15.91	15.91	10450.62	16.17	5244.17	0.00	0.00	0.00	0.00	0.00	810.78	6236.07
104.100	50000.00	17.58	17.58	16420.52	17.78	3190.87	0.00	0.00	0.00	0.00	0.00	61.05	3251.92
105.000	50000.00	20.01	20.01	4303.86	22.93	641.00	0.00	0.00	0.00	0.00	0.00	6384.00	7025.00
107.000	50000.00	25.08	25.08	11707.38	25.39	4062.76	1388.00	2110.00	1.00	0.00	0.00	159.99	4222.75
108.000	50000.00	26.71	26.71	8989.16	27.76	660.00	2650.00	3310.00	0.00	1.00	1.00	2650.00	3310.00
109.000	50000.00	27.07	27.07	4160.11	31.32	360.00	2735.00	3095.00	0.00	0.00	0.00	2735.00	3095.00
110.000	50000.00	30.01	30.01	7237.08	32.38	320.00	0.00	0.00	0.00	0.00	0.00	2700.00	3020.00
112.000	50000.00	33.52	33.52	8666.06	35.50	304.00	0.00	0.00	0.00	0.00	0.00	2736.00	3040.00
113.000	50000.00	36.28	36.28	99050.48	36.29	3410.63	0.00	0.00	0.00	0.00	0.00	1094.66	4505.29
113.100	50000.00	36.28	36.28	76447.05	36.30	3190.00	0.00	0.00	0.00	0.00	0.00	0.00	3190.00
114.000	50000.00	36.30	36.30	66011.04	36.33	3457.04	0.00	0.00	0.00	0.00	0.00	386.35	3843.39
115.000	50000.00	36.31	36.31	53571.82	36.35	3386.00	0.00	0.00	0.00	0.00	0.00	74.86	3460.86
116.000	50000.00	36.35	36.35	34546.86	36.41	3492.95	0.00	0.00	0.00	0.00	0.00	38.27	3531.22
117.000	50000.00	36.41	36.41	25125.17	36.51	3322.00	0.00	0.00	0.00	0.00	0.00	35.48	3469.14
118.000	50000.00	36.58	36.58	19391.47	36.76	2647.18	0.00	0.00	0.00	0.00	0.00	41.35	2703.04
119.000	50000.00	37.47	37.47	10873.55	38.05	1146.15	0.00	0.00	0.00	0.00	0.00	466.52	1612.67
121.000	50000.00	42.05	42.05	25544.70	42.19	2734.73	0.00	0.00	0.00	0.00	0.00	123.69	2858.43
122.000	50000.00	42.27	42.27	25186.48	42.44	1848.77	0.00	0.00	0.00	0.00	0.00	126.63	2022.91
123.000	50000.00	42.59	42.59	30467.68	42.72	1573.96	0.00	0.00	0.00	0.00	0.00	167.15	1797.47
124.000	50000.00	42.80	42.80	34285.33	42.92	1321.28	0.00	0.00	0.00	0.00	0.00	52.64	1373.92
125.000	50000.00	42.92	42.92	36506.20	43.02	1450.62	0.00	0.00	0.00	0.00	0.00	34.78	1485.40
125.100	50000.00	42.95	42.95	30534.35	43.10	1250.54	0.00	0.00	0.00	0.00	0.00	70.76	1321.30
126.000	50000.00	43.95	43.95	4026.89	47.93	403.00	0.00	0.00	0.00	0.00	0.00	539.00	942.00

SECTION NUMBER	DISCHARGE CFS	CWSEL	CWSEL	TQ	EG	TOPWID	STENCL	STENCR	WSELK	J3J4X5	J3J4X5	SSTA	ENDST
128.100	50000.00	48.55	48.55	19122.00	48.84	1249.80	0.00	0.00	0.00	0.00	0.00	161.11	1410.91
129.000	50000.00	48.77	48.77	21438.42	49.03	1261.26	0.00	0.00	0.00	0.00	0.00	222.38	1493.79
130.000	50000.00	49.17	49.17	14071.60	49.78	1141.43	0.00	0.00	0.00	0.00	0.00	118.19	1259.62
131.000	50000.00	50.41	50.41	16724.61	50.81	1105.69	0.00	0.00	0.00	0.00	0.00	154.22	1259.91
132.000	50000.00	50.78	50.78	9881.11	51.60	1049.70	0.00	0.00	0.00	0.00	0.00	60.35	1110.05
133.000	50000.00	55.64	55.64	4826.24	59.09	519.33	0.00	0.00	0.00	0.00	0.00	139.05	658.38
133.100	50000.00	58.94	58.94	9684.20	60.28	736.13	0.00	0.00	0.00	0.00	0.00	17.23	931.09
133.200	50000.00	59.75	59.75	10900.97	60.95	677.92	0.00	0.00	0.00	0.00	0.00	16.46	857.95
134.000	50000.00	60.09	60.09	7611.77	61.83	824.02	0.00	0.00	0.00	0.00	0.00	29.67	954.79
134.100	50000.00	60.65	60.65	6045.52	63.22	679.83	0.00	0.00	0.00	0.00	0.00	5.91	685.74
135.000	50000.00	62.56	62.56	7888.00	64.20	685.98	0.00	0.00	0.00	0.00	0.00	78.42	815.54
136.000	50000.00	64.93	64.93	6660.28	66.65	764.42	0.00	0.00	0.00	0.00	0.00	125.00	889.42
137.000	50000.00	68.70	68.70	4848.46	71.78	575.97	0.00	0.00	0.00	0.00	0.00	290.76	866.74

SECTION NUMBER	DISCHARGE CFS	CWSEL	CWSEL DIFF EACH Q	CWSEL DIFF EACH SECTION	CWSEL-WSELK	TOPWID	T.W. DIFF	LENGTH
102.200	50000.000	12.600	0.000	0.000	0.000	3560.704	0.000	0.000
102.300	50000.000	13.633	0.000	1.033	13.633	3046.167	0.000	200.000
102.400	50000.000	14.818	0.000	1.185	14.818	3532.324	0.000	860.000
103.000	50000.000	14.998	0.000	0.180	14.998	3984.451	0.000	330.000
104.000	50000.000	15.906	0.000	0.908	15.906	5244.170	0.000	1100.000
104.100	50000.000	17.576	0.000	1.670	17.576	3190.867	0.000	1230.000
105.000	50000.000	20.011	0.000	2.435	20.011	641.000	0.000	320.000
107.000	50000.000	25.075	0.000	5.064	24.075	4062.761	0.000	230.000
108.000	50000.000	26.706	0.000	1.631	26.706	659.999	0.000	830.000
109.000	50000.000	27.074	0.000	0.368	27.074	359.999	0.000	250.000
110.000	50000.000	30.009	0.000	2.935	30.009	320.000	0.000	40.000
112.000	50000.000	33.522	0.000	3.513	33.522	304.000	0.000	110.000
113.000	50000.000	36.276	0.000	2.754	36.276	3410.633	0.000	100.000
113.100	50000.000	36.281	0.000	0.005	36.281	3190.001	0.000	280.000
114.000	50000.000	36.298	0.000	0.017	36.298	3457.038	0.000	400.000
115.000	50000.000	36.314	0.000	0.016	36.314	3386.000	0.000	330.000

117.000	50000.000	36.412	0.000	0.064	36.412	3322.000	0.000	320.000
118.000	50000.000	36.583	0.000	0.171	36.583	2647.184	0.000	340.000
119.000	50000.000	37.475	0.000	0.892	37.475	1146.145	0.000	1110.000
121.000	50000.000	42.046	0.000	4.571	42.046	2734.735	0.000	95.000
122.000	50000.000	42.275	0.000	0.229	42.275	1848.766	0.000	650.000
123.000	50000.000	42.590	0.000	0.315	42.590	1573.960	0.000	850.000
124.000	50000.000	42.800	0.000	0.210	42.800	1321.284	0.000	900.000
125.000	50000.000	42.919	0.000	0.119	42.919	1450.620	0.000	550.000
125.100	50000.000	42.950	0.000	0.031	42.950	1250.540	0.000	260.000
126.000	50000.000	43.954	0.000	1.004	43.954	403.000	0.000	310.000
128.000	50000.000	46.848	0.000	2.894	46.848	438.000	0.000	84.000
128.100	50000.000	48.548	0.000	1.700	48.548	1249.799	0.000	100.000
129.000	50000.000	48.771	0.000	0.223	48.771	1261.258	0.000	380.000
130.000	50000.000	49.170	0.000	0.399	49.170	1141.430	0.000	830.000
131.000	50000.000	50.406	0.000	1.236	50.406	1105.693	0.000	1050.000
132.000	50000.000	50.776	0.000	0.370	50.776	1049.702	0.000	510.000
133.000	50000.000	55.640	0.000	4.864	55.640	519.333	0.000	700.000
133.100	50000.000	58.942	0.000	3.302	58.942	736.134	0.000	200.000
133.200	50000.000	59.752	0.000	0.810	59.752	677.923	0.000	280.000
134.000	50000.000	60.085	0.000	0.333	60.085	824.016	0.000	240.000
134.100	50000.000	60.654	0.000	0.569	60.654	679.831	0.000	210.000
135.000	50000.000	62.557	0.000	1.903	62.557	685.978	0.000	170.000
136.000	50000.000	64.926	0.000	2.369	64.926	764.416	0.000	520.000
137.000	50000.000	68.701	0.000	3.775	68.701	575.972	0.000	440.000

DATA FOR LAST CROSS SECTION

PROFILE	TYPE ENC	TARGET	TOP WIDTH AREA-ACRES	TOP WIDTH AREA-DIFF
1	0.000	0.000	894.401	0.000

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HEC2 VERSION UPDATED JAN 1976
ERROR CORRECTIONS 01,02,03,04,05,06,07,08,09
MODIFICATIONS 51,52,53,54,55,56,,57,58
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22-DEC-77   14:23:07

      #=
W     EOU       =  [B J
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FLOODING SOURCE	PANEL	ELEVATION DIFFERENCE BETWEEN BASE FLOOD AND: 10% (10 YR.)	2% (50 YR.)	0.2% (500 YR.)	FHF	ZONE	BASE FLOOD ELEVATION
REACH 1		-4.032	-1.122	2.030	40	A 8	
REACH 2		-4.926	-1.910	5.767	50	A10	
REACH 3		-6.314	-1.912	4.180	65	A13	
REACH 4		-5.280	-1.752	3.138	55	A11	
REACH 5		-3.899	-1.264	2.495	40	A 8	
REACH 6		-7.574	-2.368	3.986	75	A15	
REACH 7		-11.761	-3.852	7.422	120	A22	
REACH 8		-12.120	-4.320	7.765	120	A22	

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    VEL=      6.5      6.1      7.4      5.2      7.3      7.0      6.7      6.1      6.2      6.5      4.2

  175.00     6.64   202.24     0.00     0.00   203.14     0.90     3.54     0.07   196.60
   50000.   22109.   11843.   16049.    2972.    1464.    2131.    9766.    1414.   197.30
    2.22     7.44     8.09     7.53    0.040    0.040    0.040    0.041   195.60   418.66
0.004003     1290.    1280.    1280.        4        0        1     0.00  1135.61  1554.27

FLOW DISTRIBUTION

STA=      419.     439.     591.     630.     776.     951.    1180.    1278.    1316.    1439.    1543.    1554.
 PER Q=    0.5     12.8      3.4     12.6     14.9     23.7      7.4      3.4     11.4      9.5      0.3
  AREA=   56.4    857.4    223.9    838.2    995.9   1463.5    518.5    223.9    736.9    617.9     34.0
   VEL=    4.5      7.4      7.5      7.5      7.5      8.1      7.1      7.7      7.8      7.7      4.5

3301 HV CHANGED MORE THAN HVINS

  176.00     7.00   208.00     0.00     0.00   210.61     2.60     6.95     0.51   204.60
   50000.    6003.   43997.       0.    719.    3272.       0.    9902.    1438.   209.30
    2.25     8.35    13.45     0.00    0.040    0.040    0.040    0.041   201.00   770.71
0.010502     1000.    1200.    1150.        4        0        1     0.00   717.86  1488.57

FLOW DISTRIBUTION

STA=      771.     812.     915.     997.    1492.
 PER Q=    1.1      6.6      4.2     88.0
  AREA=   88.9    371.3    258.7   3272.1
   VEL=    6.3      9.0      8.2     13.4

3301 HV CHANGED MORE THAN HVINS

  177.00    10.30   212.60     0.00     0.00   213.18     0.58     2.37     0.20   203.90
   50000.    6048.   42785.    1167.    1207.    6848.     227.    10019.    1454.   204.30
    2.28     5.01     6.25     5.13    0.040    0.040    0.040    0.041   202.30   694.33
0.001317     1010.     800.     790.        3        0        1     0.00   897.81  1592.13

FLOW DISTRIBUTION

STA=      694.     743.     875.    1561.    1585.    1592.
 PER Q=    1.1     11.0     85.6      2.2      0.2
  AREA=  170.5   1036.7   6847.8    198.1     29.3
   VEL=    3.1      5.3      6.2      5.5      2.6

3685 20 TRIALS USED WSEL,CWSEL

7185 MIN SPECIFIC ENERGY

3720 ASSUMED CRITICAL DEPTH

3265 DIVIDED FLOW

   SECNO     DEPTH     CWSEL     CRIWS     WSELK        EG        HV        HL     OLOSS   BANK ELEV
       Q      QLOB       QCH      QROB      ALOB       ACH      AROB       VOL       TWA  LEFT/RIGHT
    TIME      VLOB       VCH      VROB       XNL      XNCH       XNR       WTN     ELMIN       SSTA
   SLOPE     XLOBL      XLCH     XLOBR     ITRIAL       IDC     ICONT     CORAR     TOPWID      ENDST

  178.00     7.96   216.76   216.76     0.00   219.02     2.26     3.54     0.00   211.60
   50000.   29354.    7903.   12743.    2461.     517.    1279.   10192.    1479.   211.40
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FLOW DISTRIBUTION

STA=	336.	479.	687.	843.	1208.	1470.	1601.
PER Q=	21.9	56.1	12.4	3.9	3.7	2.0	
AREA=	1010.2	2080.9	750.6	506.1	448.4	233.5	
VEL=	10.8	13.5	8.3	3.8	4.2	4.3	

3265 DIVIDED FLOW

3301 HV CHANGED MORE THAN HVINS

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST
182.10	13.34	254.24	0.00	0.00	255.10	0.86	1.17	0.12	247.30
50000.	4048.	28207.	17745.	525.	3280.	3597.	10668.	1594.	248.70
2.43	7.71	8.60	4.93	0.040	0.040	0.040	0.041	240.90	22.53
0.002840	220.	260.	390.	3	0	1	0.00	1418.67	1635.56

FLOW DISTRIBUTION

STA=	23.	50.	88.	450.	600.	1462.	1535.	1636.
PER Q=	3.7	4.4	56.4	5.3	23.9	3.2	3.1	
AREA=	236.8	288.4	3280.1	550.4	2406.9	309.4	330.6	
VEL=	7.8	7.6	8.6	4.8	5.0	5.2	4.7	

3301 HV CHANGED MORE THAN HVINS

183.00	13.16	254.96	0.00	0.00	256.42	1.47	1.14	0.18	246.80
50000.	9838.	13587.	26575.	1161.	1177.	2921.	10720.	1604.	246.60
2.44	8.48	11.55	9.10	0.040	0.040	0.040	0.041	241.80	162.10
0.003980	270.	220.	480.	2	0	1	0.00	759.43	921.53

FLOW DISTRIBUTION

STA=	162.	177.	211.	332.	439.	484.	527.	604.	652.	670.	695.	875.	922.
PER Q=	0.7	4.2	14.7	27.2	6.6	6.9	13.2	10.4	5.2	4.4	6.4	0.0	
AREA=	62.3	243.6	854.7	1176.7	356.1	359.6	667.1	478.3	213.5	222.8	605.5	17.8	
VEL=	5.6	8.7	8.6	11.5	9.3	9.7	9.9	10.8	12.2	9.9	5.3	1.2	

7185 MIN SPECIFIC ENERGY

3720 ASSUMED CRITICAL DEPTH

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST
184.00	13.18	261.98	261.98	0.00	263.76	1.78	5.79	0.00	253.60
50000.	410.	16421.	33169.	58.	1093.	4269.	10859.	1631.	252.20
2.41	1.06	15.02	7.77	0.040	0.040	0.040	0.041	248.80	262.15
0.006590	1280.	1280.	1060.	4	5	1	0.00	1457.19	1719.34

FLOW DISTRIBUTION

STA=	262.	276.	374.	508.	664.	845.	955.	1108.	1453.	1607.	1719.
PER Q=	0.8	32.8	27.4	12.1	5.8	4.6	4.6	5.2	5.4	1.3	
AREA=	58.0	1093.3	1109.1	721.8	493.6	349.5	402.0	595.5	443.1	154.7	
VEL=	7.1	15.0	12.3	8.4	5.9	6.5	5.7	4.3	6.1	4.3	

3685 20 TRIALS USED WSEL,CWSEL

7185 MIN SPECIFIC ENERGY

3720 ASSUMED CRITICAL DEPTH

3265 DIVIDED FLOW

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST
184.10	13.88	264.28	264.28	0.00	266.40	2.12	1.28	0.00	264.60
50000.	0.	19912.	30088.	0.	1306.	3533.	10881.	1637.	255.00
2.47	0.00	15.25	8.52	0.040	0.040	0.040	0.041	250.40	300.71
0.007011	140.	170.	200.	30	8	1	0.00	1191.92	1522.81

FLOW DISTRIBUTION

STA=	301.	418.	500.	583.	667.	765.	860.	960.	1050.	1275.	1523.
PER Q=	39.8	17.8	10.0	4.4	3.5	4.6	8.1	6.3	3.7	1.7	
AREA=	1305.5	691.3	492.3	300.8	277.4	325.9	468.1	385.3	383.6	208.4	
VEL=	15.3	12.9	10.2	7.3	6.2	7.1	8.7	8.2	4.8	4.2	

3301 HV CHANGED MORE THAN HVINS

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST
184.20	15.69	266.39	0.00	0.00	267.34	0.95	0.83	0.12	260.30
50000.	2461.	20112.	27427.	458.	2010.	4578.	10909.	1643.	257.60
2.48	5.37	10.01	5.99	0.040	0.040	0.040	0.041	250.70	257.56
0.002657	180.	195.	210.	3	0	1	0.00	1290.20	1547.75

FLOW DISTRIBUTION

STA=	258.	373.	540.	620.	705.	825.	932.	980.	1050.	1144.	1440.	1548.
PER Q=	4.9	40.2	10.0	7.1	6.8	7.2	4.5	6.6	6.3	4.4	2.0	
AREA=	458.4	2009.7	646.9	538.6	604.3	597.7	328.1	478.5	525.1	595.9	262.8	
VEL=	5.4	10.0	7.7	6.6	5.6	6.0	6.9	6.9	6.0	3.7	3.8	

185.00	13.99	267.19	0.00	0.00	267.65	0.46	0.26	0.05	253.20
50000.	4090.	10793.	35117.	919.	1549.	7048.	10939.	1648.	255.40
2.49	4.45	6.97	4.98	0.040	0.040	0.040	0.041	253.20	124.22
0.001161	200.	150.	150.	0	0	1	0.00	1278.71	1402.93

FLOW DISTRIBUTION

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STA=      124.      315.      435.      557.      667.      759.      817.      888.      947.     1038.     1167.     1350.     1403.
  PER Q=     8.2      21.6      16.0       8.8       4.5       3.8       7.2       6.5       8.0       5.6       9.0       0.8
  AREA=    919.2    1549.2    1304.4     873.6     542.0     411.3     649.1     565.9     763.7     708.4    1070.8     158.6
   VEL=      4.4       7.0       6.1       5.0       4.1       4.7       5.5       5.7       5.2       3.9       4.2       2.6

  186.00     12.62    267.52      0.00      0.00    268.14      0.62      0.45      0.05    256.90
   50000.     3354.    17400.    29246.     728.     2554.     4743.    11013.     1657.    256.20
    2.50      4.61      6.81      6.17     0.040     0.040     0.040     0.041    254.90    168.11
0.001242     400.      390.      360.         2         0         1      0.00    840.39   1008.49

FLOW DISTRIBUTION

STA=      168.      192.      239.      285.      313.      528.      692.      797.      857.      973.     1008.
  PER Q=     0.1       0.7       2.5       3.5      34.8      22.2      15.7       8.7      11.0       0.9
  AREA=     32.0     130.4     281.7     283.5    2553.5    1750.6    1189.1     667.5    1000.5     135.3
   VEL=      1.7       2.6       4.3       6.1       6.8       6.3       6.6       6.5       5.5       3.1

  187.00     14.46    267.86      0.00      0.00    268.91      1.05      0.63      0.13    256.70
   50000.    28935.     5500.    15565.     3477.     586.     2051.    11075.     1663.    257.80
    2.52      8.32      9.38      7.59     0.040     0.040     0.040     0.041    253.40    128.85
0.002242     460.      460.      300.         2         0         1      0.00    632.69   761.54

FLOW DISTRIBUTION

STA=      129.      183.      252.      292.      366.      448.      476.      523.      612.      686.      729.      762.
  PER Q=     5.4      10.3       6.2      15.0      15.7       5.3      11.0      14.1      11.1       4.5       1.4
  AREA=    385.0     652.4     388.2     844.0     902.4     305.4     586.5     872.7     703.4     331.3     143.2
   VEL=      7.0       7.9       8.0       8.9       8.7       8.6       9.4       8.1       7.9       6.8       5.0

3301 HV CHANGED MORE THAN HVINS

   SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS    BANK ELEV
   Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA      LEFT/RIGHT
   TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN      SSTA
   SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID     ENDST

  188.00     11.42    267.72      0.00      0.00    270.28      2.57      0.92      0.46    262.20
   50000.    1137.    46519.     2344.      144.     3537.      288.    11107.     1667.    261.30
    2.52      7.91     13.15      8.15     0.040     0.040     0.040     0.041    256.30    125.88
0.005681     280.      280.      240.         3         0         1      0.00    442.60   568.48

FLOW DISTRIBUTION

STA=      126.      138.      158.      505.      546.      568.
  PER Q=     0.3       1.9      93.0       4.1       0.6
  AREA=     33.4     110.3    3537.4     232.3      55.3
   VEL=      5.2       8.7      13.2       8.9       5.0

3685 20 TRIALS USED WSEL,CWSEL

7185 MIN SPECIFIC ENERGY

3720 ASSUMED CRITICAL DEPTH

   SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS    BANK ELEV
   Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA      LEFT/RIGHT
   TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN      SSTA
   SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID     ENDST
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   188.10    11.89   268.19   268.19     0.00   272.60     4.40     0.75     0.00   261.40
   50000.   18258.   28413.    3329.    1204.    1559.     263.   11115.    1668.   257.00
     2.53    15.17    18.23    12.68    0.040    0.040    0.040    0.041   256.30   159.14
0.010350    100.     100.     100.       30        8        1     0.00   346.57   505.71

FLOW DISTRIBUTION

STA=     159.     200.     238.     281.     313.     460.     500.     506.
  PER Q=    5.9     14.1     10.4      6.2     56.8      6.6      0.0
   AREA=  243.0    393.1    343.8    223.8   1558.9    257.8      4.8
    VEL=   12.1     17.9     15.1     13.8     18.2     12.9      3.3

7185 MIN SPECIFIC ENERGY

3720 ASSUMED CRITICAL DEPTH

   SECNO     DEPTH     CWSEL     CRIWS     WSELK        EG        HV        HL     OLOSS   BANK ELEV
   Q         QLOB      QCH       QROB      ALOB       ACH       AROB      VOL       TWA   LEFT/RIGHT
   TIME      VLOB      VCH       VROB       XNL      XNCH       XNR       WTN     ELMIN       SSTA
   SLOPE     XLOBL     XLCH      XLOBR    ITRIAL       IDC     ICONT     CORAR   TOPWID      ENDST

   188.20    12.94   269.24   269.24     0.00   273.83     4.59     0.86     0.00   256.30
   50000.    2897.   12245.   34858.    223.     705.     2000.   11120.    1668.   261.50
     2.53    12.98    17.36    17.43    0.040    0.040    0.040    0.041   256.30   143.52
0.011056     80.      80.      80.        4        8        1     0.00   327.11   470.63

FLOW DISTRIBUTION

STA=     144.     178.     253.     290.     340.     392.     430.     457.     471.
  PER Q=    5.8     24.5     10.2     18.9     19.3     13.0      7.6      0.8
   AREA=  223.1    705.3    314.3    512.2    527.5    366.5    232.1     47.3
    VEL=   13.0     17.4     16.3     18.4     18.3     17.7     16.3      8.3

3301 HV CHANGED MORE THAN HVINS

   SECNO     DEPTH     CWSEL     CRIWS     WSELK        EG        HV        HL     OLOSS   BANK ELEV
   Q         QLOB      QCH       QROB      ALOB       ACH       AROB      VOL       TWA   LEFT/RIGHT
   TIME      VLOB      VCH       VROB       XNL      XNCH       XNR       WTN     ELMIN       SSTA
   SLOPE     XLOBL     XLCH      XLOBR    ITRIAL       IDC     ICONT     CORAR   TOPWID      ENDST

   189.00    14.09   272.29     0.00     0.00   274.66     2.37     0.61     0.22   260.20
   50000.   17778.   27824.    4398.    1509.    2115.     491.   11128.    1669.   258.20
     2.53    11.78    13.15     8.96    0.040    0.040    0.040    0.041   258.20   150.00
0.003813    100.     100.      100.        4        0        1     0.00   355.62   505.62

FLOW DISTRIBUTION

STA=     150.     178.     202.     283.     437.     497.     506.
  PER Q=    3.0      8.1     24.5     55.6      8.8      0.0
   AREA=  193.0    316.4    999.1   2115.1    482.1      8.6
    VEL=    7.7     12.8     12.2     13.2      9.1      2.2

3685 20 TRIALS USED WSEL,CWSEL

7185 MIN SPECIFIC ENERGY
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SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST
190.00	13.24	272.14	272.14	0.00	278.27	6.14	1.48	0.00	258.90
50000.	2125.	46606.	1268.	178.	2290.	115.	11148.	1671.	258.90
2.53	11.93	20.35	11.01	0.040	0.040	0.040	0.041	258.90	180.08
0.009588	210.	270.	270.	30	11	1	0.00	217.32	397.40

FLOW DISTRIBUTION

STA=	180.	207.	380.	397.
PER Q=	4.3	93.2	2.5	
AREA=	178.2	2289.8	115.2	
VEL=	11.9	20.4	11.0	

3685 20 TRIALS USED WSEL,CWSEL

7185 MIN SPECIFIC ENERGY

3720 ASSUMED CRITICAL DEPTH

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST
190.10	16.38	275.38	275.38	0.00	282.18	6.80	0.73	0.00	261.20
50000.	996.	46613.	2391.	94.	2175.	193.	11153.	1671.	260.30
2.53	10.58	21.43	12.36	0.040	0.040	0.040	0.041	259.00	118.88
0.008835	70.	80.	85.	30	11	1	0.00	181.89	300.77

FLOW DISTRIBUTION

STA=	119.	132.	275.	300.	301.
PER Q=	2.0	93.2	4.8	0.0	
AREA=	94.2	2175.0	193.3	0.1	
VEL=	10.6	21.4	12.4	1.1	

3685 20 TRIALS USED WSEL,CWSEL

7185 MIN SPECIFIC ENERGY

3720 ASSUMED CRITICAL DEPTH

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST
191.00	19.06	278.06	278.06	0.00	286.13	8.07	1.64	0.00	322.50
50000.	0.	50000.	0.	0.	2194.	0.	11162.	1672.	332.90
2.54	0.00	22.79	0.00	0.040	0.040	0.040	0.041	259.00	172.59
0.010622	175.	170.	170.	30	8	1	0.00	136.18	308.76

STA= 173. 380.
PER Q= 100.0
AREA= 2193.9
VEL= 22.8

3685 20 TRIALS USED WSEL,CWSEL

7185 MIN SPECIFIC ENERGY

3720 ASSUMED CRITICAL DEPTH

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST
192.00	30.40	289.50	289.50	0.00	299.46	9.96	1.77	0.00	297.90
50000.	0.	50000.	0.	0.	1974.	0.	11169.	1672.	322.00
2.54	0.00	25.33	0.00	0.040	0.040	0.040	0.041	259.10	229.13
0.011570	160.	160.	160.	30	14	1	0.00	100.90	330.03

FLOW DISTRIBUTION

STA= 229. 360.
PER Q= 100.0
AREA= 1974.1
VEL= 25.3

3301 HV CHANGED MORE THAN HVINS

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST
193.00	24.83	298.13	293.24	0.00	301.46	3.33	1.34	0.66	314.70
50000.	0.	50000.	0.	0.	3414.	0.	11182.	1673.	299.40
2.54	0.00	14.65	0.00	0.040	0.040	0.040	0.041	273.30	757.23
0.004048	210.	210.	190.	12	14	1	0.00	213.42	970.65

FLOW DISTRIBUTION

STA= 757. 974.
PER Q= 100.0
AREA= 3413.7
VEL= 14.6

3685 20 TRIALS USED WSEL,CWSEL

7185 MIN SPECIFIC ENERGY

3720 ASSUMED CRITICAL DEPTH

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

194.00	23.25	302.25	302.25	0.00	310.69	8.44	1.05	0.00	354.60
50000.	0.	50000.	0.	0.	2144.	0.	11193.	1674.	400.00
2.54	0.00	23.32	0.00	0.040	0.040	0.040	0.041	279.00	245.64
0.010537	180.	170.	170.	30	8	1	0.00	127.08	372.71

FLOW DISTRIBUTION

STA= 246. 485.
PER Q= 100.0
AREA= 2144.5
VEL= 23.3

3301 HV CHANGED MORE THAN HVINS

194.20	25.85	306.15	0.00	0.00	312.91	6.77	2.05	0.17	284.80
50000.	4896.	45104.	0.	297.	2118.	0.	11206.	1674.	338.80
2.55	16.51	21.29	0.00	0.040	0.040	0.040	0.041	280.30	141.29
0.006555	250.	250.	250.	4	0	1	0.00	125.64	266.93

FLOW DISTRIBUTION

STA= 141. 150. 163. 311.
PER Q= 0.9 8.9 90.2
AREA= 63.3 233.3 2118.2
VEL= 7.2 19.0 21.3

3685 20 TRIALS USED WSEL,CWSEL

7185 MIN SPECIFIC ENERGY

3720 ASSUMED CRITICAL DEPTH

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST
195.00	26.17	307.47	307.47	0.00	316.74	9.27	1.48	0.00	289.60
50000.	2738.	47262.	0.	207.	1896.	0.	11216.	1675.	475.00
2.55	13.25	24.93	0.00	0.040	0.040	0.040	0.041	281.30	275.87
0.009371	190.	190.	190.	30	5	1	0.00	115.34	391.21

FLOW DISTRIBUTION

STA= 276. 299. 559.
PER Q= 5.5 94.5
AREA= 206.6 1895.6
VEL= 13.2 24.9

3685 20 TRIALS USED WSEL,CWSEL

7185 MIN SPECIFIC ENERGY

3720 ASSUMED CRITICAL DEPTH

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV

0.004637	30.	30.	30.	4	0	1	0.00	1383.81	2289.28

FLOW DISTRIBUTION

STA=	905.	985.	1181.	1370.	1528.	1752.	1951.	2196.	2280.	2289.
PER Q=	0.3	3.2	6.4	9.0	17.9	19.6	36.0	7.4	0.1	
AREA=	61.1	399.1	592.8	677.2	1172.9	1181.3	1850.6	465.0	17.8	
VEL=	2.1	4.1	5.4	6.7	7.6	8.3	9.7	7.9	3.7	

3301 HV CHANGED MORE THAN HVINS

162.00	15.06	145.26	0.00	0.00	145.70	0.44	0.09	0.06	138.20
50000.	22756.	21975.	5269.	5195.	3451.	1237.	7734.	1147.	137.60
1.75	4.38	6.37	4.26	0.040	0.040	0.040	0.042	130.20	790.24
0.001129	40.	50.	40.	2	0	1	0.00	1472.53	2262.77

FLOW DISTRIBUTION

STA=	790.	842.	929.	1039.	1208.	1363.	1511.	1668.	1760.	2059.	2144.	2253.	2263.
PER Q=	0.0	0.6	1.4	3.7	6.2	11.7	15.3	6.6	43.9	5.9	4.6	0.1	
AREA=	27.6	158.0	287.8	619.6	816.3	1179.0	1415.6	691.5	3451.2	621.9	595.8	19.4	
VEL=	0.8	1.9	2.4	3.0	3.8	5.0	5.4	4.8	6.4	4.7	3.9	1.9	

3265 DIVIDED FLOW

163.00	16.05	146.15	0.00	0.00	146.43	0.28	0.71	0.02	133.10
50000.	18465.	17829.	13706.	4952.	3661.	3389.	7993.	1178.	135.30
1.82	3.73	4.87	4.04	0.040	0.040	0.040	0.042	130.10	390.86
0.000451	850.	1150.	1240.	2	0	1	0.00	1232.94	1634.24

FLOW DISTRIBUTION

STA=	391.	737.	876.	919.	1032.	1270.	1311.	1343.	1434.	1558.	1634.
PER Q=	6.7	12.4	6.3	11.6	35.7	3.3	3.5	14.2	6.1	0.4	
AREA=	1395.1	1520.5	648.8	1387.9	3660.7	430.1	407.0	1433.1	982.6	135.9	
VEL=	2.4	4.1	4.8	4.2	4.9	3.8	4.3	4.9	3.1	1.5	

3301 HV CHANGED MORE THAN HVINS

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST
164.00	12.21	146.41	0.00	0.00	147.65	1.24	0.94	0.29	140.80
50000.	30873.	15571.	3557.	3455.	1660.	541.	8187.	1200.	134.20
1.85	8.94	9.38	6.58	0.040	0.040	0.040	0.042	134.20	665.46
0.003527	960.	960.	960.	2	0	1	0.00	793.10	1458.57

FLOW DISTRIBUTION

STA=	665.	744.	859.	926.	971.	1036.	1104.	1293.	1346.	1457.	1459.
PER Q=	5.3	22.9	8.5	5.8	11.3	7.9	31.1	6.2	0.9	0.0	
AREA=	405.2	1129.2	503.8	342.9	589.5	484.1	1659.6	382.6	157.6	0.5	
VEL=	6.6	10.1	8.5	8.5	9.6	8.2	9.4	8.1	2.8	1.0	

165.00	11.64	140.11	0.00	0.00	150.38	1.27	2.71	0.01	141.90

VEL=	5.9	6.7	7.1	6.3	6.9	6.1	5.3	5.5	6.4	2.8

158.00	12.85	134.35	0.00	0.00	134.95	0.60	0.29	0.01	121.50
50000.	11558.	23003.	15438.	2223.	3400.	2561.	7545.	1121.	130.80
1.71	5.20	6.77	6.03	0.040	0.040	0.040	0.042	121.50	525.00
0.001245	210.	210.	200.	2	0	1	0.00	893.58	1418.58

FLOW DISTRIBUTION

STA=	525.	628.	685.	733.	822.	1111.	1241.	1264.	1290.	1346.	1400.	1419.
PER Q=	4.5	6.7	3.3	8.7	46.0	4.2	3.4	4.3	10.4	8.0	0.6	
AREA=	543.4	556.4	343.7	779.7	3399.9	572.4	256.7	313.6	720.2	608.1	89.7	
VEL=	4.1	6.0	4.9	5.6	6.8	3.7	6.5	6.9	7.2	6.6	3.5	

159.00	13.01	135.01	0.00	0.00	135.64	0.63	0.68	0.01	122.00
50000.	6800.	37302.	5899.	1336.	5470.	1280.	7652.	1133.	124.40
1.74	5.09	6.82	4.61	0.040	0.040	0.040	0.042	122.00	875.06
0.001142	560.	575.	570.	2	0	1	0.00	873.06	1748.12

FLOW DISTRIBUTION

STA=	875.	999.	1031.	1095.	1112.	1544.	1667.	1745.	1748.
PER Q=	1.0	2.1	8.0	2.6	74.6	10.2	1.6	0.0	
AREA=	244.0	225.9	666.2	199.9	5470.3	1003.7	273.8	2.0	
VEL=	2.0	4.6	6.0	6.4	6.8	5.1	2.9	0.9	

3685 20 TRIALS USED WSEL,CWSEL

7185 MIN SPECIFIC ENERGY

3720 ASSUMED CRITICAL DEPTH

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST
160.00	11.77	143.57	143.57	0.00	145.30	1.73	1.12	0.00	142.70
50000.	23917.	16277.	9807.	3000.	1234.	878.	7722.	1145.	136.70
1.75	7.97	13.19	11.17	0.040	0.040	0.040	0.042	131.80	935.15
0.008231	500.	480.	330.	30	10	1	0.00	1380.34	2315.48

FLOW DISTRIBUTION

STA=	935.	1310.	1511.	1649.	1732.	1783.	2003.	2161.	2234.	2272.	2315.
PER Q=	5.7	10.8	14.2	11.0	3.3	2.8	32.6	12.4	4.8	2.4	
AREA=	579.3	698.1	707.0	495.8	200.1	319.7	1234.1	505.4	221.3	150.9	
VEL=	4.9	7.7	10.0	11.1	8.4	4.4	13.2	12.2	10.9	8.0	

3301 HV CHANGED MORE THAN HVINS

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST
161.00	8.34	144.54	0.00	0.00	145.56	1.02	0.18	0.07	138.30
50000.	20232.	18022.	3746.	4084.	1851.	483.	7726.	1146.	137.30

PER Q=	10.3	40.5	4.3	4.5	4.1	4.1	13.4	6.2	5.2	6.5	0.8
AREA=	789.9	2177.1	318.5	379.6	402.4	201.7	825.4	313.6	285.4	347.3	68.5
VEL=	6.5	9.3	6.7	5.9	5.1	10.2	8.1	9.9	9.2	9.4	5.6

156.00	10.59	128.69	0.00	0.00	129.55	0.87	0.75	0.02	123.40
50000.	1500.	39041.	9459.	409.	4968.	1545.	7461.	1109.	119.20
1.69	3.67	7.86	6.12	0.040	0.040	0.040	0.042	118.10	567.01
0.002024	230.	300.	250.	2	0	1	0.00	938.39	1505.40

FLOW DISTRIBUTION

STA=	567.	696.	1183.	1278.	1349.	1378.	1443.	1505.
PER Q=	3.0	78.1	10.9	6.7	1.0	0.2	0.1	
AREA=	408.5	4968.2	792.3	528.2	117.2	61.1	46.5	
VEL=	3.7	7.9	6.9	6.4	4.2	1.6	1.4	

3685 20 TRIALS USED WSEL,CWSEL

7185 MIN SPECIFIC ENERGY

3720 ASSUMED CRITICAL DEPTH

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST
157.00	10.35	131.45	131.45	0.00	133.85	2.40	0.65	0.00	127.20
50000.	33235.	8905.	7860.	2634.	625.	886.	7482.	1113.	128.30
1.70	12.62	14.26	8.87	0.040	0.040	0.040	0.042	121.10	575.04
0.011330	150.	170.	170.	30	5	1	0.00	903.14	1478.19

FLOW DISTRIBUTION

STA=	575.	617.	766.	882.	911.	1035.	1123.	1213.	1313.	1348.	1470.	1478.
PER Q=	0.4	18.4	32.2	3.9	5.5	6.2	17.8	5.8	2.2	7.6	0.2	
AREA=	45.1	774.8	980.2	161.0	347.2	325.6	624.6	330.0	120.8	420.9	14.1	
VEL=	4.1	11.9	16.4	12.2	7.9	9.5	14.3	8.8	9.0	9.0	5.4	

3265 DIVIDED FLOW

3301 HV CHANGED MORE THAN HVINS

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST
157.10	10.51	134.01	0.00	0.00	134.66	0.65	0.64	0.17	126.00
50000.	25851.	6754.	17395.	3890.	985.	2878.	7508.	1117.	125.40
1.70	6.65	6.86	6.04	0.040	0.040	0.040	0.042	123.50	568.07
0.001576	190.	190.	190.	2	0	1	0.00	887.56	1520.50

FLOW DISTRIBUTION

STA=	568.	777.	800.	1008.	1062.	1160.	1216.	1260.	1305.	1496.	1521.
PER Q=	11.9	3.0	30.9	5.8	13.5	5.9	3.2	3.6	21.8	0.4	

FLOW DISTRIBUTION

STA=	394.	468.	642.	788.	833.	932.	1191.	1313.	1369.	1405.	1494.	1512.
PER Q=	8.9	27.0	20.5	0.9	8.6	9.4	9.4	5.6	3.1	6.4	0.4	
AREA=	478.7	1340.5	1059.1	76.1	541.0	827.6	616.6	330.6	196.3	432.0	40.8	
VEL=	9.3	10.1	9.7	5.6	7.9	5.7	7.6	8.4	8.0	7.4	4.4	

3685 20 TRIALS USED WSEL,CWSEL

7185 MIN SPECIFIC ENERGY

3720 ASSUMED CRITICAL DEPTH

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST
153.00	10.69	125.99	125.99	0.00	126.78	0.79	0.63	0.00	125.90
50000.	25815.	16730.	7456.	3191.	2556.	1705.	7317.	1087.	124.60
1.66	8.09	6.54	4.37	0.040	0.040	0.040	0.042	115.30	271.76
0.002569	180.	190.	190.	30	23	1	0.00	1402.63	1674.39

FLOW DISTRIBUTION

STA=	272.	413.	468.	582.	622.	682.	705.	1096.	1358.	1592.	1647.	1674.
PER Q=	9.3	5.0	22.3	5.0	9.0	1.0	33.5	3.9	6.9	3.9	0.2	
AREA=	615.0	376.0	1218.3	327.5	548.9	105.5	2556.3	597.3	741.7	321.0	45.0	
VEL=	7.6	6.6	9.1	7.6	8.2	5.0	6.5	3.3	4.6	6.1	2.6	

3265 DIVIDED FLOW

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST
154.00	9.97	126.87	0.00	0.00	127.71	0.84	0.92	0.02	125.20
50000.	5973.	21449.	22578.	822.	2744.	3257.	7373.	1096.	118.30
1.67	7.26	7.82	6.93	0.040	0.040	0.040	0.042	116.90	454.23
0.002794	350.	345.	330.	0	0	1	0.00	1041.59	1555.36

FLOW DISTRIBUTION

STA=	454.	541.	575.	599.	943.	1065.	1219.	1464.	1541.	1555.
PER Q=	4.1	6.2	1.7	42.9	11.6	3.9	21.9	7.5	0.3	
AREA=	344.0	338.8	139.5	2743.9	825.2	421.4	1443.6	528.5	38.5	
VEL=	5.9	9.1	6.1	7.8	7.0	4.7	7.6	7.1	3.6	
155.00	9.61	127.71	0.00	0.00	128.79	1.08	1.01	0.07	120.60	
50000.	5141.	20274.	24585.	790.	2177.	3143.	7420.	1104.	122.80	
1.68	6.51	9.31	7.82	0.040	0.040	0.040	0.042	118.10	539.02	
0.003725	350.	330.	290.	2	0	1	0.00	982.55	1521.57	

FLOW DISTRIBUTION

```
STA=    1032.
  PER Q=      5.7      6.8     16.7      3.4      2.0     30.3     12.1      5.3      5.5      3.1      3.8      5.1
  PER Q=      0.3
   AREA=    453.9    363.7    836.8    220.8    139.3   1431.0    673.1    398.1    440.7    218.8    320.8    320.0
   AREA=     37.9
    VEL=      6.2      9.4     10.0      7.7      7.0     10.6      9.0      6.7      6.2      7.0      6.0      8.0
    VEL=      4.0

3265 DIVIDED FLOW

3301 HV CHANGED MORE THAN HVINS

   SECNO    DEPTH    CWSEL    CRIWS    WSELK       EG       HV       HL    OLOSS   BANK ELEV
       Q     QLOB      QCH     QROB     ALOB      ACH     AROB      VOL      TWA  LEFT/RIGHT
    TIME     VLOB      VCH     VROB      XNL     XNCH      XNR      WTN   ELMIN       SSTA
   SLOPE    XLOBL     XLCH    XLOBR   ITRIAL      IDC    ICONT    CORAR  TOPWID      ENDST

  150.00    12.16   117.36     0.00     0.00   117.83     0.47     1.03     0.07   111.30
   50000.   20551.   17437.   12012.    3867.    3016.    2248.    7023.    1041.    107.90
    1.60     5.32     5.78     5.34    0.040    0.040    0.040    0.042   105.20   363.48
0.001075     560.     570.     600.        3        0        1     0.00  1066.49  1431.87

FLOW DISTRIBUTION

STA=     363.     542.     620.     709.     837.     861.    1152.    1239.    1285.    1312.    1401.    1432.
  PER Q=      6.2      6.0      9.9     17.0      2.0     34.9      3.4      6.3      3.4      9.9      1.0
   AREA=    753.1    620.7    881.8   1409.1    201.8   3016.0    409.9    517.9    286.4    881.8    152.2
    VEL=      4.1      4.9      5.6      6.0      5.0      5.8      4.1      6.1      5.9      5.6      3.4

  151.00     7.93   118.93     0.00     0.00   119.85     0.91     1.89     0.13   116.00
   50000.   18539.   15439.   16022.    2521.    2113.    1928.    7208.    1067.    116.70
    1.63     7.35     7.31     8.31    0.040    0.040    0.040    0.042   111.00   173.87
0.003837     1030.    1045.    1000.        2        0        1     0.00  1140.92  1314.79

FLOW DISTRIBUTION

STA=     174.     338.     460.     590.     627.    1000.    1112.    1250.    1315.
  PER Q=     12.4     11.9     10.8      2.0     30.9     12.2     18.4      1.5
   AREA=    857.8    761.2    739.6    162.4   2113.0    740.5   1040.4    147.6
    VEL=      7.2      7.8      7.3      6.2      7.3      8.2      8.8      4.9

3685 20 TRIALS USED WSEL,CWSEL

7185 MIN SPECIFIC ENERGY

3720 ASSUMED CRITICAL DEPTH

3265 DIVIDED FLOW

   SECNO    DEPTH    CWSEL    CRIWS    WSELK       EG       HV       HL    OLOSS   BANK ELEV
       Q     QLOB      QCH     QROB     ALOB      ACH     AROB      VOL      TWA  LEFT/RIGHT
    TIME     VLOB      VCH     VROB      XNL     XNCH      XNR      WTN   ELMIN       SSTA
   SLOPE    XLOBL     XLCH    XLOBR   ITRIAL      IDC    ICONT    CORAR  TOPWID      ENDST

  152.00     7.15   121.95   121.95     0.00   123.13     1.18     2.40     0.00   121.90
   50000.   28593.    4285.   17122.    2954.     541.    2444.    7289.    1081.    120.00
    1.65     9.68     7.92     7.91    0.040    0.040    0.040    0.042   114.80   394.05
```

FLOW DISTRIBUTION

STA=	429.	712.	873.	955.	1008.	1081.	1174.	1234.	1362.	1455.	1463.
PER Q=	5.6	20.3	11.4	7.6	9.6	13.9	8.9	18.5	4.2	0.0	
AREA=	1252.1	2306.8	1244.8	820.5	1075.3	1480.0	946.8	1994.3	723.6	3.8	
VEL=	2.2	4.4	4.6	4.6	4.5	4.7	4.7	4.6	2.9	0.4	

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST
148.00	16.32	108.92	0.00	0.00	109.22	0.30	0.20	0.01	99.10
50000.	22750.	10219.	17031.	5287.	2156.	3884.	6687.	996.	95.10
1.53	4.30	4.74	4.39	0.040	0.040	0.040	0.042	92.60	499.99
0.000517	450.	370.	470.	2	0	1	0.00	1011.08	1511.08

FLOW DISTRIBUTION

STA=	500.	675.	746.	865.	966.	997.	1159.	1225.	1285.	1328.	1411.	1464.	1511.
PER Q=	12.3	9.1	13.0	8.6	2.4	20.4	8.0	8.5	6.3	6.6	3.5	1.1	
AREA=	1510.2	952.8	1454.1	1062.4	307.5	2156.1	859.3	856.2	626.5	839.9	477.6	224.2	
VEL=	4.1	4.8	4.5	4.1	3.9	4.7	4.7	5.0	5.0	3.9	3.6	2.5	

3685 20 TRIALS USED WSEL,CWSEL

7185 MIN SPECIFIC ENERGY

3720 ASSUMED CRITICAL DEPTH

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST
149.00	8.39	110.59	110.59	0.00	113.09	2.49	1.37	0.00	104.40
50000.	9208.	22593.	18199.	861.	1563.	1637.	6857.	1016.	107.00
1.55	10.70	14.46	11.11	0.040	0.040	0.040	0.042	102.20	62.07
0.011861	900.	980.	1020.	30	11	1	0.00	807.09	869.16

FLOW DISTRIBUTION

STA=	62.	67.	146.	274.	505.	620.	761.	848.	869.
PER Q=	0.0	3.8	14.6	45.2	9.8	14.5	11.1	1.0	
AREA=	5.4	228.7	626.5	1563.0	470.9	647.8	456.3	62.4	
VEL=	4.1	8.2	11.7	14.5	10.4	11.2	12.2	8.1	

3301 HV CHANGED MORE THAN HVINS

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST
149.10	11.71	115.51	0.00	0.00	116.72	1.21	3.51	0.13	108.00
50000.	17265.	15158.	17577.	2015.	1431.	2409.	6924.	1028.	107.30
1.57	8.57	10.59	7.30	0.040	0.040	0.040	0.042	103.80	129.60
0.003574	610.	600.	560.	3	0	1	0.00	902.25	1031.85

FLOW DISTRIBUTION

0.001035 380. 350. 230. 2 0 1 0.00 903.47 1544.48

FLOW DISTRIBUTION

STA=	641.	874.	942.	1009.	1067.	1122.	1205.	1266.	1427.	1488.	1544.
PER Q=	5.8	8.1	8.2	5.0	5.9	13.0	11.6	32.0	7.1	3.3	
AREA=	904.7	710.1	709.7	498.4	541.4	1020.3	844.4	2285.8	627.9	370.0	
VEL=	3.2	5.7	5.8	5.0	5.5	6.4	6.9	7.0	5.7	4.5	

CCHV= 0.100 CEHV= 0.300

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST
145.00	12.98	96.68	0.00	0.00	97.29	0.61	1.07	0.01	86.50
50000.	5134.	34450.	10416.	936.	5155.	2070.	6362.	963.	83.70
1.45	5.48	6.68	5.03	0.040	0.040	0.040	0.042	83.70	549.78
0.001066	970.	1070.	960.	2	0	1	0.00	750.36	1300.14

FLOW DISTRIBUTION

STA=	550.	560.	621.	648.	1046.	1123.	1135.	1168.	1220.	1247.	1268.	1295.	1300.
PER Q=	0.3	7.0	3.0	68.9	6.7	0.3	1.7	4.4	3.0	3.0	1.8	0.0	
AREA=	53.6	614.7	268.0	5155.4	660.5	50.1	205.5	435.6	269.4	241.0	199.2	8.4	
VEL=	2.9	5.7	5.6	6.7	5.1	3.1	4.1	5.0	5.6	6.2	4.5	1.5	

3685 20 TRIALS USED WSEL,CWSEL

7185 MIN SPECIFIC ENERGY

3720 ASSUMED CRITICAL DEPTH

3265 DIVIDED FLOW

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST
146.00	14.00	105.00	105.00	0.00	108.18	3.18	2.22	0.00	101.10
50000.	175.	27296.	22530.	30.	2122.	1415.	6484.	977.	101.60
1.47	5.79	12.86	15.92	0.040	0.040	0.040	0.042	91.00	402.54
0.010405	880.	885.	960.	30	8	1	0.00	556.27	1300.53

FLOW DISTRIBUTION

STA=	403.	418.	756.	806.	809.	1169.	1220.	1229.	1257.	1301.
PER Q=	0.3	54.6	2.1	0.0	0.7	17.0	4.9	13.7	6.6	
AREA=	30.1	2122.0	139.9	3.2	49.5	497.2	118.3	341.5	265.5	
VEL=	5.8	12.9	7.5	3.5	7.1	17.1	20.8	20.1	12.3	

3301 HV CHANGED MORE THAN HVINS

147.00	16.64	108.74	0.00	0.00	109.02	0.28	0.55	0.29	95.00
50000.	27226.	6966.	15808.	6699.	1480.	3669.	6569.	986.	93.70
1.50	4.96	4.71	4.34	0.040	0.040	0.040	0.042	93.10	428.67

VEL= 2.4 4.2 6.1 8.8 8.5 6.8 3.6 1.4

3301 HV CHANGED MORE THAN HVINS

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

OVERBANK AREA ASSUMED NON-EFFECTIVE,ELLEA= 116.00 ELREA= 116.00

500-year

142.00	14.57	85.77	0.00	0.00	87.98	2.20	1.30	0.55	90.00
50000.	0.	50000.	0.	0.	4200.	0.	6047.	935.	90.00
1.37	0.00	11.91	0.00	0.040	0.040	0.040	0.042	71.20	883.48
0.003739	430.	500.	510.	3	0	1	0.00	346.29	1229.77

FLOW DISTRIBUTION

STA= 883. 1250.
PER Q= 100.0
AREA= 4199.7
VEL= 11.9

SPECIAL BRIDGE

5227 DOWNSTREAM ELEV IS 82.35 ,NOT 85.77 HYDRAULIC JUMP OCCURS DOWNSTREAM (IF LOW FLOW CONTROLS)

SB	XK	XKOR	COEQ	RDLEN	BWC	BWP	BAREA	SS	ELCHD	ELCHD
	0.90	1.40	2.50	410.00	190.00	36.00	12056.00	2.00	76.10	73.10

3301 HV CHANGED MORE THAN HVINS

CLASS B LOW FLOW

BRIDGE W.S.= 88.53 BRIDGE VELOCITY= 19.74

EGPRS	EGLWC	H3	QWEIR	QPR	BAREA	ELLC	ELTRD	CLASS
0.00	95.82	0.00	0.	50000.	12056.	116.00	127.00	2.00

OVERBANK AREA ASSUMED NON-EFFECTIVE,ELLEA= 127.00 ELREA= 127.00

143.00	17.26	95.06	0.00	0.00	95.82	0.76	7.84	0.00	77.80
50000.	0.	50000.	0.	0.	7168.	0.	6105.	939.	79.50
1.39	0.00	6.98	0.00	0.040	0.040	0.040	0.042	77.80	1755.00
0.000835	400.	445.	410.	0	0	1	0.00	430.00	2185.00

FLOW DISTRIBUTION

STA= 1755. 2185.
PER Q= 100.0
AREA= 7168.1
VEL= 7.0

144.00	16.04	95.64	0.00	0.00	96.20	0.56	0.33	0.06	81.80
50000	28799	15982	5219	5229.	2286.	998.	6168.	944.	85.30

STA=	136.	332.	388.	460.	500.	550.	700.	750.	857.	920.	960.	1015.	1070.
STA=	1137.	1176.											
PER Q=	3.5	6.8	5.7	4.1	6.6	33.6	6.7	9.6	5.0	3.8	4.8	4.4	
PER Q=	4.7	0.8											
AREA=	373.3	468.0	465.6	302.7	440.8	1817.6	443.3	750.8	410.6	289.7	377.7	361.2	
AREA=	406.5	109.1											
VEL=	4.6	7.2	6.1	6.7	7.5	9.2	7.5	6.4	6.1	6.6	6.3	6.1	
VEL=	5.8	3.5											

3265 DIVIDED FLOW

3301 HV CHANGED MORE THAN HVINS

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST
139.00	11.50	79.00	0.00	0.00	80.96	1.96	0.40	0.33	73.00
50000.	14598.	32911.	2491.	1457.	2759.	315.	5897.	917.	70.00
1.33	10.02	11.93	7.90	0.040	0.040	0.040	0.042	67.50	253.97
0.008193	130.	90.	100.	3	0	1	0.00	868.02	1123.98

FLOW DISTRIBUTION

STA=	254.	329.	405.	459.	527.	601.	1013.	1066.	1107.	1124.
PER Q=	0.3	4.0	6.6	8.7	9.6	65.8	4.4	0.4	0.2	
AREA=	52.6	262.3	307.9	397.9	436.7	2759.2	240.4	52.1	22.9	
VEL=	2.7	7.7	10.7	10.9	11.0	11.9	9.1	4.1	4.1	

3301 HV CHANGED MORE THAN HVINS

140.00	12.33	81.43	0.00	0.00	84.11	2.68	2.94	0.22	77.20
50000.	27991.	19119.	2890.	2471.	1216.	277.	5935.	924.	69.10
1.34	11.33	15.72	10.43	0.040	0.040	0.040	0.042	69.10	511.63
0.007110	420.	355.	400.	2	0	1	0.00	598.51	1110.14

FLOW DISTRIBUTION

STA=	512.	550.	603.	663.	717.	814.	859.	901.	948.	1055.	1098.	1110.
PER Q=	0.1	0.8	2.9	7.1	18.4	9.0	10.2	7.4	38.2	5.8	0.0	
AREA=	23.7	91.9	206.0	336.6	750.1	359.3	377.3	325.9	1216.3	274.5	2.6	
VEL=	2.3	4.5	7.1	10.6	12.3	12.5	13.5	11.3	15.7	10.5	1.1	

CCHV= 0.300 CEHV= 0.500

3301 HV CHANGED MORE THAN HVINS

141.00	14.32	85.02	0.00	0.00	86.13	1.11	1.55	0.47	74.10
50000.	1277.	39629.	9094.	235.	4510.	1271.	5988.	930.	73.10
1.36	5.43	8.79	7.16	0.040	0.040	0.040	0.042	70.70	542.28
0.001916	450.	470.	480.	1	0	1	0.00	569.58	1111.85

FLOW DISTRIBUTION

STA=	542.	551.	563.	585.	944.	994.	1052.	1102.	1112.
PER Q=	0.1	0.4	2.0	79.3	10.2	6.7	1.2	0.0	

137.00	10.90	68.70	68.70	0.00	71.78	3.08	3.08	0.00	65.00
50000.	16798.	18369.	14833.	1356.	1126.	1158.	5759.	894.	63.40
1.30	12.39	16.32	12.81	0.040	0.040	0.040	0.042	57.80	290.76
0.010635	410.	440.	390.	30	16	1	0.00	575.97	866.74

FLOW DISTRIBUTION

STA=	291.	312.	366.	473.	536.	663.	785.	836.	867.
PER Q=	0.7	9.6	18.1	5.2	36.7	21.7	7.3	0.7	
AREA=	53.1	356.4	684.9	261.5	1125.6	805.3	295.8	56.9	
VEL=	6.9	13.5	13.2	9.9	16.3	13.5	12.3	5.7	

3301 HV CHANGED MORE THAN HVINS

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST
138.00	14.86	77.26	0.00	0.00	79.25	1.98	7.36	0.11	74.00
50000.	2132.	28897.	18971.	413.	2417.	1760.	5841.	909.	74.50
1.32	5.16	11.95	10.78	0.040	0.040	0.040	0.042	62.40	213.38
0.007074	920.	860.	820.	2	0	1	0.00	851.39	1064.77

FLOW DISTRIBUTION

STA=	213.	308.	390.	435.	757.	839.	941.	964.	977.	1024.	1065.
PER Q=	0.6	2.0	1.6	57.8	3.7	6.9	4.7	2.6	13.1	6.9	
AREA=	97.9	186.1	129.1	2417.4	268.1	425.3	190.2	109.5	463.9	303.1	
VEL=	3.2	5.4	6.3	12.0	6.9	8.1	12.4	11.9	14.2	11.4	

3265 DIVIDED FLOW

3301 HV CHANGED MORE THAN HVINS

138.10	13.90	78.40	0.00	0.00	79.63	1.23	0.31	0.08	70.50
50000.	9325.	24818.	15857.	1411.	2360.	2230.	5849.	910.	68.50
1.32	6.61	10.52	7.11	0.040	0.040	0.040	0.042	64.50	218.55
0.002813	60.	70.	80.	3	0	1	0.00	833.59	1125.02

FLOW DISTRIBUTION

STA=	219.	368.	420.	493.	684.	738.	850.	923.	950.	970.	1008.	1125.
PER Q=	5.2	5.8	7.7	49.6	6.8	8.4	4.9	3.6	4.6	3.2	0.2	
AREA=	502.1	384.9	523.5	2360.2	432.1	655.5	401.7	226.9	228.1	243.3	42.5	
VEL=	5.2	7.5	7.3	10.5	7.9	6.4	6.1	8.0	10.0	6.6	1.9	

3265 DIVIDED FLOW

138.30	13.37	79.37	0.00	0.00	80.23	0.87	0.56	0.04	70.80
50000.	13288.	16779.	19933.	2050.	1818.	3149.	5883.	915.	69.80
1.33	6.48	9.23	6.33	0.040	0.040	0.040	0.042	66.00	136.34
0.002228	200.	220.	250.	2	0	1	0.00	958.61	1176.06

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST
134.10	13.45	60.65	0.00	0.00	63.22	2.57	1.15	0.25	50.00
50000.	33264.	9607.	7129.	2561.	624.	965.	5644.	877.	52.60
1.27	12.99	15.40	7.39	0.040	0.040	0.040	0.043	47.20	5.91
0.006840	220.	210.	200.	2	0	1	0.00	679.83	685.74

FLOW DISTRIBUTION

STA=	6.	115.	162.	222.	280.	320.	375.	435.	570.	686.
PER Q=	15.4	13.2	14.4	12.4	11.2	19.2	7.2	4.9	2.1	
AREA=	671.9	465.5	540.3	487.5	396.2	624.0	357.3	392.0	215.3	
VEL=	11.4	14.2	13.3	12.7	14.2	15.4	10.1	6.3	5.0	

3265 DIVIDED FLOW

3301 HV CHANGED MORE THAN HVINS

135.00	14.86	62.56	0.00	0.00	64.20	1.64	0.88	0.09	47.70
50000.	6823.	13292.	29885.	641.	1057.	3335.	5662.	880.	55.90
1.28	10.64	12.57	8.96	0.040	0.040	0.040	0.043	47.70	78.42
0.004018	180.	170.	160.	3	0	1	0.00	685.98	815.54

FLOW DISTRIBUTION

STA=	78.	102.	154.	239.	337.	388.	461.	544.	609.	710.	743.	816.
PER Q=	0.8	12.8	26.6	14.0	12.1	11.9	10.7	7.4	3.4	0.3	0.0	
AREA=	79.6	561.7	1057.1	759.6	535.6	613.3	606.0	438.8	328.4	48.2	4.9	
VEL=	5.2	11.4	12.6	9.2	11.3	9.7	8.9	8.4	5.2	3.0	0.9	

136.00	15.33	64.93	0.00	0.00	66.65	1.72	2.43	0.03	59.90
50000.	2586.	8798.	38616.	354.	692.	3799.	5720.	888.	59.90
1.29	7.31	12.71	10.17	0.040	0.040	0.040	0.042	49.60	125.00
0.005616	530.	520.	510.	3	0	1	0.00	764.42	889.42

FLOW DISTRIBUTION

STA=	125.	213.	281.	305.	336.	359.	393.	467.	495.	576.	648.	721.	784.
STA=	889.												
PER Q=	5.2	17.6	4.1	6.2	4.8	8.2	13.8	3.7	8.6	9.5	11.8	4.4	
PER Q=	2.0												
AREA=	353.5	692.1	189.1	267.4	204.2	325.6	608.8	188.4	476.1	480.8	549.5	288.4	
AREA=	220.7												
VEL=	7.3	12.7	10.8	11.7	11.8	12.5	11.4	9.9	9.1	9.9	10.7	7.6	
VEL=	4.6												

3685 20 TRIALS USED WSEL,CWSEL

7185 MIN SPECIFIC ENERGY

3720 ASSUMED CRITICAL DEPTH

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST
133.10	16.24	58.94	0.00	0.00	60.28	1.34	0.98	0.21	48.70
50000.	35721.	6292.	7987.	3736.	604.	1189.	5555.	865.	49.20
1.25	9.56	10.42	6.72	0.040	0.040	0.040	0.043	42.70	17.23
0.002666	210.	200.	200.	3	0	1	0.00	736.13	931.09

FLOW DISTRIBUTION

STA=	17.	50.	73.	110.	145.	160.	177.	213.	262.	300.	380.	426.	500.
STA=	645.	931.											
PER Q=	5.0	8.3	12.8	10.1	4.2	4.9	7.2	4.3	3.1	11.5	12.6	11.8	
PER Q=	3.3	0.9											
AREA=	290.9	352.9	551.0	467.0	197.1	227.7	388.5	320.5	237.2	703.3	603.9	691.3	
AREA=	353.6	144.3											
VEL=	8.6	11.8	11.6	10.8	10.7	10.8	9.3	6.7	6.5	8.2	10.4	8.5	
VEL=	4.7	3.1											

3265 DIVIDED FLOW

133.20	17.05	59.75	0.00	0.00	60.95	1.20	0.65	0.01	49.20
50000.	32588.	11389.	6023.	3770.	1101.	1052.	5591.	869.	49.20
1.26	8.64	10.35	5.72	0.040	0.040	0.040	0.043	42.70	16.46
0.002104	280.	280.	260.	2	0	1	0.00	677.92	857.95

FLOW DISTRIBUTION

STA=	16.	70.	117.	143.	170.	233.	255.	270.	300.	354.	425.	463.	490.
STA=	570.	858.											
PER Q=	7.1	13.0	6.3	4.5	9.0	4.1	3.6	6.9	10.6	22.8	4.6	3.1	
PER Q=	3.7	0.6											
AREA=	473.9	658.5	338.3	279.8	592.9	243.3	191.4	375.3	616.2	1100.8	325.3	223.1	
AREA=	354.6	149.4											
VEL=	7.5	9.9	9.4	8.1	7.6	8.4	9.3	9.2	8.6	10.3	7.1	6.9	
VEL=	5.2	2.1											

3265 DIVIDED FLOW

3301 HV CHANGED MORE THAN HVINS

134.00	17.29	60.09	0.00	0.00	61.83	1.74	0.71	0.16	54.60
50000.	23568.	22177.	4256.	2211.	1973.	785.	5622.	873.	59.20
1.27	10.66	11.24	5.42	0.040	0.040	0.040	0.043	42.80	29.67
0.004315	250.	240.	230.	2	0	1	0.00	824.02	954.79

FLOW DISTRIBUTION

STA=	30.	81.	106.	209.	230.	274.	471.	591.	955.
PER Q=	9.9	5.2	17.6	5.5	9.0	44.4	7.1	1.4	
AREA=	458.2	237.2	869.0	231.8	415.2	1973.4	517.3	267.5	
VEL=	10.8	10.9	10.1	11.9	10.8	11.2	6.9	2.6	

3301 HV CHANGED MORE THAN HVINS

AREA=	626.8	460.6	423.9	3048.3	577.8	426.4	417.3	587.2	287.7	691.1	658.4	372.5
AREA=	121.5											
VEL=	4.0	3.7	5.6	7.7	5.8	4.3	4.2	5.8	5.4	4.6	4.5	4.3
VEL=	2.6											

131.00	16.21	50.41	0.00	0.00	50.81	0.41	1.01	0.02	39.30
50000.	30961.	8368.	10671.	6350.	1384.	2124.	5361.	838.	43.10
1.22	4.88	6.05	5.02	0.040	0.040	0.040	0.043	34.20	154.22
0.000894	900.	1050.	935.	2	0	1	0.00	1105.69	1259.91

FLOW DISTRIBUTION

STA=	154.	242.	444.	533.	559.	603.	661.	692.	740.	807.	873.	926.	1034.
STA=	1081.	1148.	1215.	1260.								
PER Q=	3.6	8.0	4.4	4.8	6.5	4.8	4.1	7.6	6.4	5.7	6.0	16.7
PER Q=	4.3	7.6	7.1	2.4								
AREA=	483.0	1085.9	568.7	372.0	550.3	510.8	362.9	619.5	640.3	594.4	562.2	1383.8
AREA=	435.1	707.3	682.4	299.2								
VEL=	3.7	3.7	3.8	6.5	5.9	4.7	5.7	6.1	5.0	4.8	5.4	6.0
VEL=	4.9	5.3	5.2	4.0								

132.00	11.98	50.78	0.00	0.00	51.60	0.82	0.66	0.12	46.70
50000.	19692.	18401.	11907.	3007.	2339.	1602.	5450.	849.	43.30
1.23	6.55	7.87	7.43	0.040	0.040	0.040	0.043	38.80	60.35
0.002561	450.	510.	450.	2	0	1	0.00	1049.70	1110.05

FLOW DISTRIBUTION

STA=	60.	256.	333.	377.	465.	552.	597.	868.	989.	1029.	1110.
PER Q=	5.7	8.3	6.1	12.6	4.9	1.9	36.8	18.1	3.7	2.0	
AREA=	634.2	575.7	383.9	781.1	441.6	190.2	2338.7	1104.8	273.0	224.5	
VEL=	4.5	7.2	7.9	8.0	5.6	4.9	7.9	8.2	6.7	4.4	

3685 20 TRIALS USED WSEL,CWSEL

7185 MIN SPECIFIC ENERGY

3720 ASSUMED CRITICAL DEPTH

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST
133.00	12.94	55.64	55.64	0.00	59.09	3.45	3.24	0.00	45.80
50000.	22084.	10815.	17101.	1652.	577.	1219.	5534.	862.	47.60
1.25	13.36	18.76	14.03	0.040	0.040	0.040	0.043	42.70	139.05
0.010733	700.	700.	700.	30	8	1	0.00	519.33	658.38

FLOW DISTRIBUTION

STA=	139.	156.	264.	308.	352.	419.	472.	492.	519.	541.	568.	596.	658.
PER Q=	0.6	13.6	3.4	5.7	21.0	21.6	5.8	6.5	5.3	6.3	5.6	4.8
AREA=	41.9	576.7	175.5	239.3	619.1	576.7	175.8	214.4	173.6	210.3	197.1	247.7
VEL=	6.8	11.8	9.7	11.8	16.9	18.8	16.4	15.2	15.2	15.1	14.1	9.6

3265 DIVIDED FLOW

```
0.004233      84.      84.      84.        0        0        1     0.00   438.00  1540.00

FLOW DISTRIBUTION

STA=    1102.    1540.
  PER Q=    100.0
   AREA=   4760.4
    VEL=     10.5

CCHV=   0.100 CEHV=   0.300

3301 HV CHANGED MORE THAN HVINS

   128.10    15.85    48.55     0.00     0.00    48.84     0.30     0.14     0.14    39.50
   50000.   21769.   20409.   7823.    5147.    4161.    2606.    4873.     782.     38.60
     1.11     4.23     4.90     3.00    0.045    0.045    0.045    0.043    32.70   161.11
0.000684       80.      100.     170.        2        0        1     0.00  1249.80  1410.91

FLOW DISTRIBUTION

STA=     161.     275.     375.     458.     628.     673.     980.    1032.    1125.    1285.    1411.
  PER Q=     3.8      9.1      9.8     17.6      3.2     40.8      3.1      4.3      6.2      2.0
   AREA=   618.1   1079.9   1049.9   1980.4    418.5   4161.1    436.8    669.5   1027.9    472.3
    VEL=     3.1      4.2      4.7      4.4      3.8      4.9      3.6      3.2      3.0      2.2

3265 DIVIDED FLOW

   129.00    15.37    48.77     0.00     0.00    49.03     0.26     0.18     0.00    39.30
   50000.   33018.    6701.   10282.    7721.    1522.    3398.    4958.     791.     34.10
     1.13     4.28     4.40     3.03    0.045    0.045    0.045    0.043    33.40   222.38
0.000544      230.     380.     380.        2        0        1     0.00  1261.26  1493.79

FLOW DISTRIBUTION

STA=     222.     428.     555.     663.     708.     769.     839.     903.    1014.    1052.    1206.    1264.    1374.
STA=    1494.
  PER Q=    13.9     18.1     15.8      5.5      5.4      3.7      3.6     13.4      3.5      6.6      3.2      5.8
  PER Q=     1.5
   AREA=  1686.4   1920.5   1660.2    622.0    691.0    582.5    558.2   1522.2    443.5   1135.3    496.7    915.4
   AREA=   407.3
    VEL=     4.1      4.7      4.8      4.4      3.9      3.2      3.3      4.4      3.9      2.9      3.2      3.2
    VEL=     1.8

CCHV=   0.100 CEHV=   0.300
   SECNO    DEPTH    CWSEL    CRIWS    WSELK       EG       HV       HL     OLOSS   BANK ELEV
   Q        QLOB     QCH      QROB     ALOB     ACH      AROB     VOL      TWA     LEFT/RIGHT
   TIME     VLOB     VCH      VROB     XNL      XNCH     XNR      WTN      ELMIN     SSTA
   SLOPE    XLOBL    XLCH     XLOBR    ITRIAL   IDC      ICONT    CORAR    TOPWID    ENDST

   130.00    15.57    49.17     0.00     0.00    49.78     0.61     0.65     0.11    33.60
   50000.    6598.   23412.   19990.    1511.    3048.    4140.    5159.     814.     40.10
     1.16     4.37     7.68     4.83    0.040    0.040    0.040    0.043    33.60   118.19
0.001263      690.     830.     970.        2        0        1     0.00  1141.43  1259.62

FLOW DISTRIBUTION

STA=     118.     258.     364.     411.     628.     690.     767.     843.     906.     941.    1047.    1152.    1216.
STA=    1260.
```

FLOW DISTRIBUTION

STA=	71.	205.	305.	365.	630.	700.	1117.	1167.	1265.	1321.
PER Q=	3.8	9.3	3.0	27.0	3.4	40.9	3.2	8.0	1.3	
AREA=	923.4	1450.0	576.5	4080.8	691.5	6234.3	585.0	1293.6	340.6	
VEL=	2.0	3.2	2.6	3.3	2.5	3.3	2.8	3.1	1.9	

3685 20 TRIALS USED WSEL,CWSEL

7185 MIN SPECIFIC ENERGY

3720 ASSUMED CRITICAL DEPTH

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

OVERBANK AREA ASSUMED NON-EFFECTIVE,ELLEA= 53.90 ELREA= 51.70

126.00	11.65	43.95	43.95	0.00	47.93	3.98	0.24	0.00	39.50
50000.	0.	50000.	0.	0.	3124.	0.	4846.	779.	38.90
1.10	0.00	16.01	0.00	0.045	0.045	0.045	0.043	32.30	539.00
0.015417	360.	310.	210.	30	19	1	0.00	403.00	942.00

FLOW DISTRIBUTION

STA=	539.	942.
PER Q=	100.0	
AREA=	3123.7	
VEL=	16.0	

SPECIAL BRIDGE

SB	XK	XKOR	COFQ	RDLEN	BWC	BWP	BAREA	SS	ELCHU	ELCHD
	0.90	1.25	2.50	0.00	450.00	44.80	8104.00	0.00	33.60	33.20

3301 HV CHANGED MORE THAN HVINS

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

CLASS A LOW FLOW

BRIDGE W.S.= 43.42 BRIDGE VELOCITY= 12.31

EGPRS	EGLWC	H3	QWEIR	QPR	BAREA	ELLC	ELTRD	CLASS
0.00	48.56	2.89	0.	50000.	8104.	53.90	55.00	1.00

OVERBANK AREA ASSUMED NON-EFFECTIVE,ELLEA= 57.90 ELREA= 55.70

128.00	14.15	46.85	0.00	0.00	48.56	1.71	0.63	0.00	42.50

```
PER Q=      4.0       4.0       1.6
  AREA=  1042.4    1135.7     628.9    2784.1     838.4    1023.6    1257.1     181.1    1460.8     982.2     756.7    1291.5
  AREA=   891.0     883.3     560.9
   VEL=     1.9       3.0       4.0       4.2       3.8       3.9       3.3       2.6       3.3       2.8       3.3       2.7
   VEL=     2.3       2.3       1.6

CCHV=   0.100 CEHV=   0.300

3265 DIVIDED FLOW

   123.00     16.69     42.59      0.00      0.00     42.72      0.13      0.27      0.00     32.30
   50000.    23831.     4948.    21221.     7895.     1828.     7593.     4132.      722.     33.80
     0.93      3.02      2.71      2.79     0.045     0.045     0.045     0.042     25.90    167.15
 0.000269      850.      850.      850.         1         0         1      0.00   1573.96   1797.47

FLOW DISTRIBUTION

STA=     167.      310.      362.      431.      506.      574.      621.      694.      745.      788.      814.      977.     1070.
STA=    1187.     1328.     1375.     1423.     1501.     1768.     1797.
  PER Q=     3.8       3.9       6.4       7.2       6.2       4.1       6.5       4.2       3.3       1.9       9.9       5.0
  PER Q=     8.7      13.0       3.8       4.4       3.2       4.0       0.3
   AREA=   896.3     662.8     999.2    1109.0     972.2     657.9    1029.1     683.2     554.6     330.7    1827.9     969.5
   AREA=  1472.3    2030.0     625.0     691.1     670.0    1014.4     120.8
    VEL=     2.1       3.0       3.2       3.3       3.2       3.1       3.2       3.1       3.0       2.9       2.7       2.6
    VEL=     3.0       3.2       3.0       3.2       2.4       2.0       1.4

   SECNO     DEPTH     CWSEL     CRIWS     WSELK        EG        HV        HL     OLOSS   BANK ELEV
       Q      QLOB       QCH      QROB      ALOB       ACH      AROB       VOL       TWA  LEFT/RIGHT
    TIME      VLOB       VCH      VROB       XNL      XNCH       XNR       WTN    ELMIN       SSTA
   SLOPE     XLOBL      XLCH     XLOBR    ITRIAL       IDC    ICONT     CORAR    TOPWID      ENDST

   124.00     15.80     42.80      0.00      0.00     42.92      0.12      0.20      0.00     29.40
   50000.    23257.    10568.    16174.     8037.     3648.     6235.     4473.      750.     31.40
     1.02      2.89      2.90      2.59     0.045     0.045     0.045     0.042     27.00     52.64
 0.000213      860.      900.      800.         2         0         1      0.00   1321.28   1373.92

FLOW DISTRIBUTION

STA=      53.      312.      408.      448.      501.      575.      606.      853.      954.     1151.     1343.     1374.
  PER Q=    22.5       8.8       3.3       3.9       5.6       2.4      21.1       4.5      12.4      15.0       0.4
   AREA=  3821.6    1478.4     574.0     715.5    1013.5     434.0    3648.4    1006.6    2403.0    2688.0     136.9
    VEL=     2.9       3.0       2.8       2.7       2.8       2.8       2.9       2.2       2.6       2.8       1.4

   125.00     15.92     42.92      0.00      0.00     43.02      0.10      0.10      0.00     36.10
   50000.    11009.    14811.    24180.     4668.     5423.     9239.     4687.      766.     33.10
     1.07      2.36      2.73      2.62     0.045     0.045     0.045     0.042     27.00     34.78
 0.000188      490.      550.      480.         0         0         1      0.00   1450.62   1485.40

FLOW DISTRIBUTION

STA=      35.      224.      283.      347.      420.      452.      815.      869.      943.     1033.     1282.     1468.     1485.
  PER Q=     8.1       3.5       3.7       5.3       1.4      29.6       4.0       4.9       5.3      19.1      14.8       0.3
   AREA=  1816.5     730.0     778.5    1013.9     328.7    5422.7     753.5     975.4    1102.4    3579.0    2727.5     100.8
    VEL=     2.2       2.4       2.4       2.6       2.1       2.7       2.6       2.5       2.4       2.7       2.7       1.4

CCHV=   0.400 CEHV=   0.500
   125.10     15.95     42.95      0.00      0.00     43.10      0.15      0.05      0.02     38.00
   50000.     8050.    13515.    28435.     2950.     4081.     9145.     4786.      774.     33.00
     1.09      2.73      3.31      3.11     0.045     0.045     0.045     0.042     27.00     70.76
 0.000268      280.      260.      220.         2         0         1      0.00   1250.54   1321.30
```

OVERBANK AREA ASSUMED NON-EFFECTIVE,ELLEA= 27.00 ELREA= 41.30

119.00	12.87	37.47	0.00	0.00	38.05	0.57	1.09	0.20	27.00
50000.	24626.	25374.	0.	4518.	3832.	0.	3538.	649.	41.30
0.79	5.45	6.62	0.00	0.045	0.045	0.045	0.041	24.60	466.52
0.002114	960.	1110.	710.	2	0	1	0.00	1146.15	1612.67

FLOW DISTRIBUTION

STA= 467.	509.	603.	773.	872.	974.	1104.	1194.	1624.
PER Q= 0.2	2.6	8.6	7.1	7.0	11.4	12.3	50.7	
AREA= 61.1	350.2	922.3	660.9	660.5	978.3	884.3	3831.6	
VEL= 1.9	3.6	4.7	5.4	5.3	5.8	7.0	6.6	

SPECIAL BRIDGE

5227 DOWNSTREAM ELEV IS 30.54 ,NOT 37.47 HYDRAULIC JUMP OCCURS DOWNSTREAM (IF LOW FLOW CONTROLS)

SB	XK	XKOR	CUFQ	RDLEN	BWC	BWP	BAREA	SS	ELCHU	ELCHD
	0.90	1.25	2.50	0.00	400.00	100.00	3725.00	1.00	27.00	25.20

6840,FLOW IS BY WEIR AND LOW FLOW

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

BRIDGE W.S.= 41.00 BRIDGE VELOCITY= 8.75

EGPRS	EGLWC	H3	QWEIR	QPR	BAREA	ELLC	ELTRD	CLASS
40.97	42.19	3.53	8797.	41061.	3725.	39.00	39.50	15.00

121.00	17.15	42.05	0.00	0.00	42.19	0.15	4.14	0.00	28.80
50000.	26942.	18598.	4460.	8978.	5411.	3306.	3567.	654.	37.80
0.80	3.00	3.44	1.35	0.045	0.045	0.045	0.041	24.90	123.69
0.000383	95.	95.	95.	2	0	4	0.00	2734.73	2858.43

FLOW DISTRIBUTION

STA= 124.	568.	729.	804.	892.	1004.	1138.	1234.	1672.	2042.	2469.	2858.	
PER Q= 7.0	10.5	5.4	5.2	6.2	10.4	9.2	37.2	3.2	3.9	1.8		
AREA= 1678.6	1689.8	835.9	870.8	1063.5	1567.2	1271.6	5410.9	1146.1	1383.3	776.1		
VEL= 2.1	3.1	3.2	3.0	2.9	3.3	3.6	3.4	1.4	1.4	1.2		

3265 DIVIDED FLOW

122.00	16.67	42.27	0.00	0.00	42.44	0.17	0.24	0.01	35.00
50000.	31520.	4871.	13609.	8891.	1461.	5366.	3809.	689.	35.80
0.85	3.54	3.33	2.54	0.045	0.045	0.045	0.041	25.60	126.63
0.000394	550.	650.	790.	2	0	1	0.00	1848.77	2022.91

FLOW DISTRIBUTION

STA= 127.	373.	490.	532.	701.	761.	830.	942.	965.	1090.	1206.	1274.	1430.
STA= 1623.	1759.	2023.										

```
    VEL=      1.5       1.5       1.6       1.7       1.9       1.7       2.1       1.6       1.8       1.5       1.6       1.6
    VEL=      1.3       1.2       1.0       0.8

   116.00     16.85     36.35      0.00      0.00     36.41      0.06      0.05      0.01     30.60
   50000.     31151.     1768.     17082.    14377.     740.     10324.     2935.      558.     28.80
     0.67      2.17      2.39      1.65      0.045     0.045     0.045     0.040     19.50     38.27
0.000209      400.      400.      400.         0         0         1      0.00     3492.95   3531.22

FLOW DISTRIBUTION

STA=       38.       286.      645.      851.      919.     1150.     1443.     1592.     1655.     1997.     2236.     2516.     2892.
STA=     3531.
  PER Q=    10.0      15.8      10.6       5.5      10.2       7.5       2.7       3.5      14.2       5.7       4.9       5.8
  PER Q=     3.6
   AREA=  2313.2     3568.5    2253.7     977.9    2302.5    2083.7     877.6     740.1    3286.7    1646.7    1607.2    1989.1
   AREA=  1794.2
    VEL=      2.2       2.2       2.4       2.8       2.2       1.8       1.6       2.4       2.2       1.7       1.5       1.5
    VEL=      1.0

3265 DIVIDED FLOW

   SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS     BANK ELEV
   Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA       LEFT/RIGHT
   TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN     SSTA
   SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CURAR     TOPWID    ENDST

   117.00     16.41     36.41      0.00      0.00     36.51      0.10      0.09      0.01     30.20
   50000.     33505.     3738.     12757.    12923.     1042.     6308.     3100.      581.     27.60
     0.71      2.59      3.59      2.02      0.045     0.045     0.045     0.040     20.00     35.48
0.000396      360.      320.      240.         2         0         1      0.00     3322.00   3469.14

FLOW DISTRIBUTION

STA=       35.       386.      621.      859.     1048.     1442.     1658.     1763.     1869.     1948.     2132.     2237.     2366.
STA=     2793.     3469.
  PER Q=    12.2      11.2      12.1       9.0       7.0       8.7       4.9       1.9       7.5       7.7       3.5       4.0
  PER Q=     7.4       2.9
   AREA=  2493.6     2023.8    2132.9    1627.6    1571.6    1687.3     899.0     486.7    1042.3    1465.0     731.0     859.4
   AREA=  2001.1     1251.8
    VEL=      2.5       2.8       2.8       2.8       2.2       2.6       2.8       1.9       3.6       2.6       2.4       2.3
    VEL=      1.8       1.2

CCHV=   0.400 CEHV=   0.500

3265 DIVIDED FLOW

   118.00     14.88     36.58      0.00      0.00     36.76      0.17      0.21      0.04     38.20
   50000.     39284.     7228.     3488.     11921.     1783.     2006.     3269.      609.     26.20
     0.74      3.30      4.05      1.74      0.045     0.045     0.045     0.040     21.70     41.35
0.000665      430.      340.      370.         2         0         1      0.00     2647.18   2703.04

FLOW DISTRIBUTION

STA=       41.       360.      449.      653.      740.      936.     1078.     1219.     1293.     1420.     1550.     1618.     1649.
STA=     1832.     2124.     2703.
  PER Q=    15.9       4.4      10.4       4.6      11.1       6.0       6.2       4.3       3.7       8.8       3.1       0.2
  PER Q=    14.5       4.5       2.4
   AREA=  2381.5     668.1    1567.3     681.6    1603.9     977.4     991.7     616.6     693.7    1180.8     485.0      73.1
   AREA=  1782.9     1063.1    942.9
    VEL=      3.3       3.3       3.3       3.4       3.5       3.1       3.1       3.5       2.6       3.7       3.1       1.5
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STA=    2714.    2911.    3095.    3272.    3421.    3537.    3732.    3885.    4173.    4505.
  PER Q=     8.8      5.6      3.6      4.8      4.1      3.1      5.7      4.1      3.3      7.3      3.2      3.0
  PER Q=     3.4      5.5      5.1      4.7      4.5      3.4      5.5      3.6      5.5      2.1
   AREA=  4115.6   2512.3   1653.5   2030.5   1726.9   1366.8   2570.2   1813.8   1539.3   3245.9   1532.6   1477.5
   AREA=  1683.0   2811.3   2608.9   2456.1   2231.5   1696.7   2789.1   1956.1   3267.5   1784.7
    VEL=     1.1      1.1      1.1      1.2      1.2      1.1      1.1      1.1      1.1      1.1      1.0      1.0
    VEL=     1.0      1.0      1.0      1.0      1.0      1.0      1.0      0.9      0.8      0.6

3280 CROSS SECTION    113.10 EXTENDED     5.78 FEET


   SECNO    DEPTH    CWSEL    CRIWS    WSELK       EG       HV       HL    OLOSS   BANK ELEV
       Q     QLOB      QCH     QROB     ALOB      ACH     AROB      VOL      TWA  LEFT/RIGHT
    TIME     VLOB      VCH     VROB      XNL     XNCH      XNR      WTN    ELMIN       SSTA
   SLOPE    XLOBL     XLCH    XLOBR   ITRIAL      IDC   ICONT    CORAR   TOPWID      ENDST


  113.10    18.48    36.28     0.00     0.00    36.30     0.02     0.01     0.00    23.50
   50000.   24390.    1568.   24043.   18307.    1089.   21300.    2038.     470.    18.70
    0.47     1.33     1.44     1.13    0.045    0.045    0.045    0.039    17.80     0.00
0.000043     250.     280.     280.        2        0        1     0.00  3190.00  3190.00

FLOW DISTRIBUTION

STA=       0.      282.      388.      490.      663.      760.      933.     1161.     1228.     1290.     1397.     1545.     1700.
STA=    1840.     1980.     2106.     2238.     2351.     2467.     2640.     2808.     3190.
  PER Q=    12.0       4.7       4.5       9.1       4.8       6.9       4.9       1.8       3.1       4.4       4.6       5.1
  PER Q=     4.6       4.1       3.2       4.3       4.1       3.3       3.4       3.5       3.5
   AREA=  4402.3   1704.6   1630.1   3084.8   1678.4   2623.1   2374.5    809.5   1089.1   1651.1   1913.8   2087.2
   AREA=  1894.3   1754.3   1441.3   1766.3   1602.5   1442.0   1723.1   1708.0   2316.1
    VEL=     1.4      1.4      1.4      1.5      1.4      1.3      1.0      1.1      1.4      1.3      1.2      1.2
    VEL=     1.2      1.2      1.1      1.2      1.3      1.2      1.0      1.0      0.8

CCHV=  0.100 CEHV=  0.300
  114.00    17.90    36.30     0.00     0.00    36.33     0.03     0.02     0.00    25.30
   50000.   24983.    1845.   23172.   17494.    1297.   19227.    2400.     500.    28.60
    0.56     1.43     1.42     1.21    0.045    0.045    0.045    0.039    18.40   386.35
0.000057     400.     400.     400.        0        0        1     0.00  3457.04  3843.39

FLOW DISTRIBUTION

STA=     386.      717.     1061.     1145.     1317.     1446.     1528.     1617.     1691.     1785.     1874.     2045.     2242.
STA=    2505.     2817.     3127.     3424.     3843.
  PER Q=    11.2      11.6       4.2       6.0       7.1       3.9       3.7       2.3       3.7       3.1       8.9       8.4
  PER Q=     7.4       7.5       5.1       3.4       2.6
   AREA=  4099.6   4298.2   1332.7   2191.3   2173.0   1262.4   1267.8    869.4   1297.3   1130.8   2769.3   2828.2
   AREA=  2963.7   3180.7   2524.9   1943.8   1885.6
    VEL=     1.4      1.3      1.6      1.4      1.6      1.5      1.5      1.3      1.4      1.4      1.6      1.5
    VEL=     1.3      1.2      1.0      0.9      0.7

  115.00    17.41    36.31     0.00     0.00    36.35     0.04     0.02     0.00    26.20
   50000.   30069.    1483.   18448.   17658.     836.   14287.    2668.     526.    28.10
    0.62     1.70     1.78     1.29    0.045    0.045    0.045    0.039    18.90    74.86
0.000087     330.     330.     330.        0        0        1     0.00  3386.00  3460.86

FLOW DISTRIBUTION

STA=      75.      415.      747.      909.     1028.     1081.     1172.     1419.     1486.     1543.     1656.     1798.     2063.
STA=    2286.     2687.     2974.     3461.
  PER Q=    10.4      10.7       6.6       5.5       3.0       4.0      17.4       2.5       3.0       3.8       5.8       9.4
  PER Q=     5.3       6.7       3.4       2.6
   AREA=  3400.5   3572.7   2002.5   1584.0    805.1   1179.7   4238.8    776.2    835.7   1237.4   1749.1   3010.7
```

Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN —	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

OVERBANK AREA ASSUMED NON-EFFECTIVE,ELLEA= 33.00 ELREA= 40.00

110.00	14.21	30.01	0.00	0.00	32.38	2.37	0.31	0.75	20.10
50000.	0.	50000.	0.	0.	4047.	0.	1691.	445.	18.90
0.39	0.00	12.36	0.00	0.045	0.045	0.045	0.038	15.80	2700.00
0.004773	40.	40.	40.	5	0	1	0.00	320.00	3020.00

FLOW DISTRIBUTION

STA= 2700. 3020.
PER Q= 100.0
AREA= 4046.5
VEL= 12.4

SPECIAL BRIDGE

5227 DOWNSTREAM ELEV IS 22.78 ,NOT 30.01 HYDRAULIC JUMP OCCURS DOWNSTREAM (IF LOW FLOW CONTROLS)

SB XK	XKOR	COEQ	RDLEN	BWC	BWP	BAREA	SS	ELCHU	ELCHD
0.90	1.25	3.00	0.00	336.00	100.00	4620.00	1.00	17.00	17.00

CLASS B LOW FLOW

BRIDGE W.S.= 28.01 BRIDGE VELOCITY= 18.39

EGPRS	EGLWC	H3	QWEIR	QPR	BAREA	ELLC	ELTRD	CLASS
32.28	35.50	0.00	0.	50000.	4620.	33.50	36.00	2.00

OVERBANK AREA ASSUMED NON-EFFECTIVE,ELLEA= 41.00 ELREA= 43.00

112.00	16.42	33.52	0.00	0.00	35.50	1.98	3.12	0.00	17.10
50000.	0.	50000.	0.	0.	4430.	0.	1702.	445.	21.10
0.39	0.00	11.29	0.00	0.045	0.045	0.045	0.038	17.10	2736.00
0.003329	110.	110.	110.	0	0	1	0.00	304.00	3040.00

FLOW DISTRIBUTION

STA= 2736. 3040.
PER Q= 100.0
AREA= 4430.5
VEL= 11.3

3301 HV CHANGED MORE THAN HVINS

113.00	18.98	36.28	0.00	0.00	36.29	0.02	0.01	0.78	21.80
50000.	21600.	3650.	24751.	19329.	3246.	26295.	1763.	450.	20.90
0.42	1.12	1.12	0.94	0.045	0.045	0.045	0.038	17.30	1094.66
0.000025	100.	100.	100.	2	0	1	0.00	3410.63	4505.29

FLOW DISTRIBUTION

```
3470 ENCROACHMENT STATIONS=    1388.0    2110.0  TYPE=     1  TARGET=     722.000
 ELENCL=     24.00  ELENCR=     24.00
   107.00     12.98     25.08      0.00      1.00     25.39      0.32      2.46      0.00     17.10
   50000.        0.     46492.     3508.     1321.     9939.     2162.     1467.      389.     24.00
     0.35      0.00      4.68      1.62     0.040     0.040     0.040     0.037     12.10    159.99
 0.001824      230.      230.      230.         2         0         2      0.00   4062.76   4222.75
```

FLOW DISTRIBUTION

```
STA=      160.     2110.     2161.     2676.     3414.     3614.     3734.     4052.     4162.     4223.
  PER Q=   93.0       0.2       1.9       2.7       0.7       0.4       0.8       0.3       0.1
  AREA=  9939.0      55.0     555.8     796.4     215.8     129.5     279.6      96.7      32.8
   VEL=    4.7       1.7       1.7       1.7       1.7       1.7       1.5       1.5       1.1
```

3301 HV CHANGED MORE THAN HVINS

```
3470 ENCROACHMENT STATIONS=    2650.0    3310.0  TYPE=     1  TARGET=     660.000
   108.00     13.71     26.71      0.00      0.00     27.76      1.05      2.00      0.37     20.90
   50000.      522.     43287.     6191.       88.     5121.      917.     1662.      441.     22.90
     0.38      5.96      8.45      6.75     0.045     0.045     0.045     0.038     13.00   2650.00
 0.003094       780.      830.     1100.         3         0         1      0.00    660.00   3310.00
```

FLOW DISTRIBUTION

```
STA=     2650.     2665.     3182.     3243.     3273.     3310.
  PER Q=    1.0      86.6       4.7       3.5       4.2
  AREA=    87.6    5121.3     380.0     246.1     290.6
   VEL=     6.0       8.5       6.2       7.0       7.3
```

7185 MIN SPECIFIC ENERGY

3720 ASSUMED CRITICAL DEPTH

```
   SECNO     DEPTH     CWSEL     CRIWS     WSELK     EG        HV        HL        OLOSS   BANK ELEV
   Q         QLOB      QCH       QROB      ALOB      ACH       AROB      VOL       TWA   LEFT/RIGHT
   TIME      VLOB      VCH       VROB      XNL       XNCH      XNR       WTN       ELMIN      SSTA
   SLOPE     XLOBL     XLCH      XLOBR     ITRIAL    IDC       ICONT     CORAR     TOPWID     ENDST

3470 ENCROACHMENT STATIONS=    2735.0    3095.0  TYPE=     1  TARGET=     360.000
   109.00      9.47     27.07     27.07      0.00     31.32      4.25      1.45      0.00     17.60
   50000.    16352.    25143.     8505.      991.     1472.      570.     1688.      444.     18.70
     0.38     16.49     17.08     14.93     0.045     0.045     0.045     0.038     17.60   2735.00
 0.014445       250.      250.      250.         3        19         1      0.00    360.00   3095.00
```

FLOW DISTRIBUTION

```
STA=     2735.     2852.     3017.     3095.
  PER Q=   32.7      50.3      17.0
  AREA=   991.3    1472.5     569.5
   VEL=    16.5      17.1      14.9
```

3301 HV CHANGED MORE THAN HVINS

FLOW DISTRIBUTION

STA=	61.	330.	615.	800.	995.	1160.	1285.	1323.	1520.	1660.	1807.	1960.	2150.
STA=	2400.	2550.	2715.	2885.	2965.	3105.	3218.	3252.					
PER Q=	3.1	3.9	3.8	3.8	4.4	8.3	2.5	19.9	4.6	4.0	3.1	4.2
PER Q=	5.9	3.9	5.6	6.7	3.4	4.5	3.1	1.3				
AREA=	699.5	837.7	690.9	708.1	719.5	947.0	286.1	1923.8	693.2	658.0	566.7	750.5
AREA=	1019.1	648.9	837.6	948.0	465.1	689.7	505.8	182.2				
VEL=	2.2	2.3	2.7	2.7	3.1	4.4	4.3	5.2	3.3	3.1	2.7	2.8
VEL=	2.9	3.0	3.3	3.6	3.7	3.3	3.1	3.5				

3685 20 TRIALS USED WSEL,CWSEL

7185 MIN SPECIFIC ENERGY

3720 ASSUMED CRITICAL DEPTH

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST
105.00	8.91	20.01	20.01	0.00	22.93	2.92	0.72	0.00	18.00
50000.	0.	50000.	0.	0.	3644.	0.	1422.	377.	13.60
0.34	0.00	13.72	0.00	0.040	0.040	0.040	0.036	11.10	6384.00
0.013497	400.	320.	230.	30	14	1	0.00	641.00	7025.00

FLOW DISTRIBUTION

STA=	6384.	7025.
PER Q=	100.0	
AREA=	3643.7	
VEL=	13.7	

SPECIAL BRIDGE

5227 DOWNSTREAM ELEV IS 16.63 ,NOT 20.01 HYDRAULIC JUMP OCCURS DOWNSTREAM (IF LOW FLOW CONTROLS)

SB	XK	XKOR	COFQ	RDLEN	BWC	BWP	BAREA	SS	ELCHU	ELCHD
	0.90	1.40	2.50	0.00	461.00	76.00	5148.00	1.50	11.90	11.40

6790 20 TRIALS OF EG NOT ENOUGH
6840,FLOW IS BY WEIR AND LOW FLOW

3301 HV CHANGED MORE THAN HVINS

SECNO	DEPTH	CWSEL	CRIWS	WSELK	EG	HV	HL	OLOSS	BANK ELEV
Q	QLOB	QCH	QROB	ALOB	ACH	AROB	VOL	TWA	LEFT/RIGHT
TIME	VLOB	VCH	VROB	XNL	XNCH	XNR	WTN	ELMIN	SSTA
SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST

BRIDGE W.S.= 24.04 BRIDGE VELOCITY= 9.35

EGPRS	EGLWC	H3	QWEIR	QPR	BAREA	ELLC	ELTRD	CLASS
21.93	25.39	4.03	1997.	49192.	5148.	24.00	20.00	15.00

SLOPE	XLOBL	XLCH	XLOBR	ITRIAL	IDC	ICONT	CORAR	TOPWID	ENDST
102.40	10.62	14.82	0.00	0.00	14.95	0.13	1.02	0.02	10.00
50000.	46723.	2673.	604.	16418.	708.	213.	602.	144.	5.00
0.15	2.85	3.78	2.84	0.040	0.040	0.040	0.023	4.20	69.66
0.000615	1150.	860.	480.	2	0	1	0.00	3532.32	3619.92

FLOW DISTRIBUTION

STA=	70.	362.	659.	842.	1205.	1390.	1678.	1900.	2168.	2412.	2600.	2720.	2989.
STA=	3182.	3330.	3433.	3490.	3575.	3620.							
PER Q=	3.6	6.2	3.0	5.7	3.9	6.4	5.2	6.2	5.6	4.5	3.0	5.8	
PER Q=	14.5	10.9	7.8	1.0	5.3	1.2							
AREA=	862.1	1275.8	680.5	1308.3	798.9	1286.9	1025.3	1225.6	1102.5	877.6	579.1	1101.0	
AREA=	1788.8	1349.5	954.6	201.5	707.9	212.7							
VEL=	2.1	2.4	2.2	2.2	2.4	2.5	2.6	2.5	2.5	2.6	2.6	2.6	
VEL=	4.1	4.0	4.1	2.6	3.8	2.8							

3265 DIVIDED FLOW

103.00	10.90	15.00	0.00	0.00	15.14	0.14	0.18	0.00	15.50
50000.	47067.	2712.	221.	16074.	713.	90.	713.	169.	6.30
0.18	2.93	3.80	2.46	0.040	0.040	0.040	0.026	4.10	497.46
0.000686	280.	330.	420.	2	0	1	0.00	3984.45	4516.74

FLOW DISTRIBUTION

STA=	497.	1146.	1601.	1827.	2122.	2386.	2794.	3153.	3287.	3434.	3558.	3651.	3771.
STA=	3895.	4054.	4170.	4265.	4372.	4401.	4496.	4517.					
PER Q=	4.7	6.2	3.1	4.5	3.3	5.5	4.1	3.2	6.1	5.1	3.5	3.5	
PER Q=	8.2	10.5	7.2	6.5	8.1	0.7	5.4	0.4					
AREA=	1179.9	1454.8	733.6	1016.6	804.1	1303.4	1033.3	533.8	918.2	774.5	553.0	597.8	
AREA=	1028.7	1319.1	927.5	802.4	962.6	130.5	713.2	90.2					
VEL=	2.0	2.1	2.1	2.2	2.0	2.1	2.0	3.0	3.3	3.3	3.2	3.0	
VEL=	4.0	4.0	3.9	4.0	4.2	2.6	3.8	2.5					

CCHV= 0.400 CEHV= 0.500

3265 DIVIDED FLOW

104.00	10.71	15.91	0.00	0.00	16.17	0.26	0.97	0.06	12.30
50000.	25642.	2486.	21872.	8204.	374.	4660.	987.	249.	11.10
0.24	3.13	6.65	4.69	0.040	0.040	0.040	0.034	5.20	810.78
0.002289	660.	1100.	1400.	2	0	1	0.00	5244.17	6236.07

FLOW DISTRIBUTION

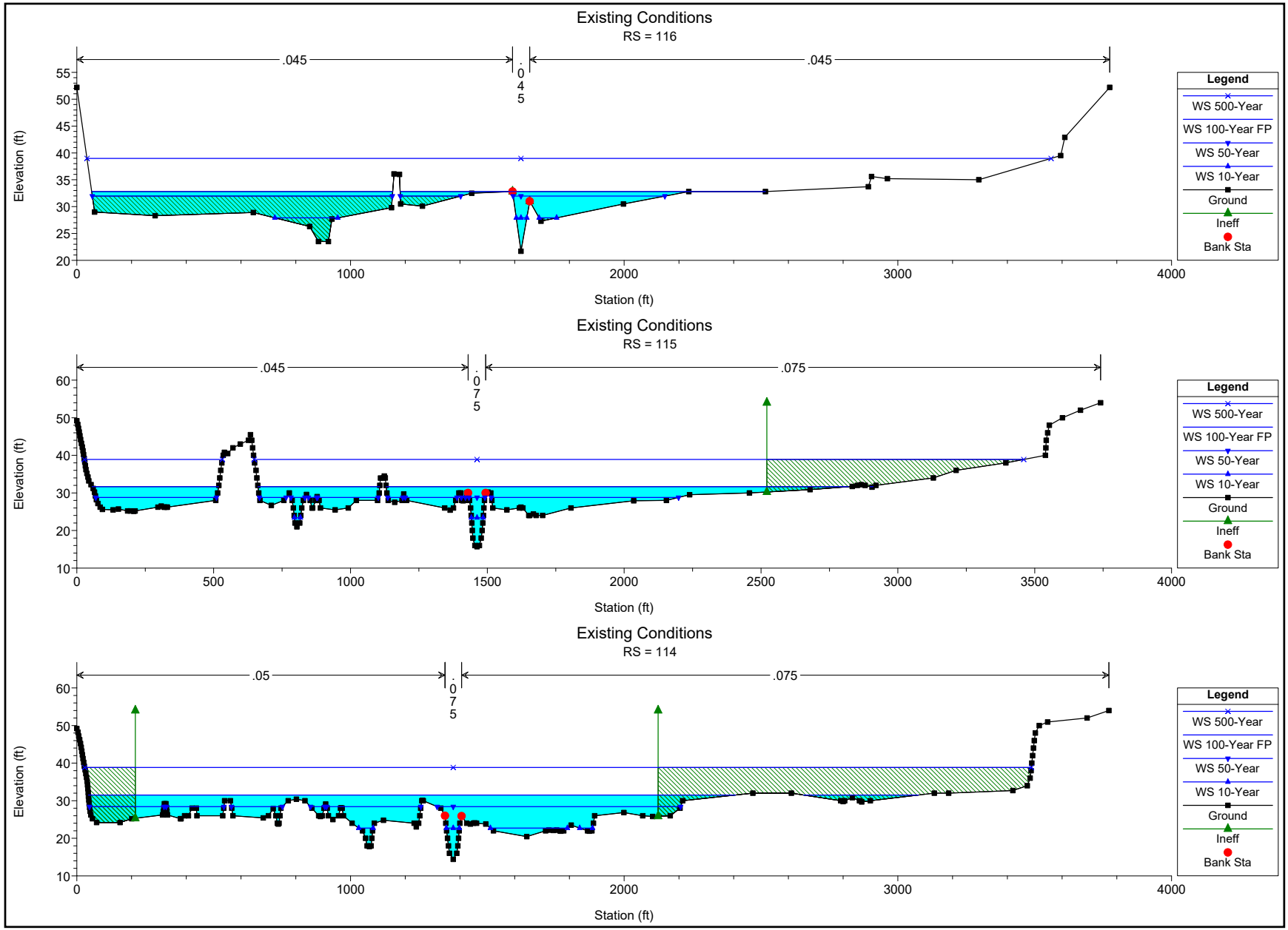
STA=	811.	1003.	1320.	1555.	1834.	2679.	3028.	3366.	3643.	3989.	4616.	4787.	4928.
STA=	5087.	5137.	5267.	5388.	5576.	5750.	5937.	6102.	6211.	6236.			
PER Q=	4.7	3.8	3.1	3.1	3.3	3.9	4.4	5.5	3.5	4.2	3.6	3.6	
PER Q=	4.7	5.0	6.2	5.7	8.7	6.9	7.6	4.1	3.6	0.9			
AREA=	585.6	611.6	470.8	555.6	733.4	687.5	738.0	777.3	640.5	884.6	496.9	457.1	
AREA=	565.4	374.0	618.3	569.4	875.3	740.5	808.8	533.3	414.9	99.8			
VEL=	4.0	3.1	3.3	2.8	2.2	2.8	3.0	3.5	2.7	2.4	3.6	3.9	
VEL=	4.1	6.6	5.0	5.0	5.0	4.7	4.7	3.9	4.3	4.4			

104.10	11.38	17.58	0.00	0.00	17.78	0.20	1.59	0.02	10.20
50000.	14850.	9934.	25216.	4889.	1924.	7965.	1358.	363.	10.00
0.33	3.04	5.16	3.17	0.040	0.040	0.040	0.036	6.20	61.05
0.000927	1270.	1230.	1020.	2	0	1	0.00	3190.87	3251.92

Existing Conditions

HEC-RAS Plan: Exist Cond River: RIVER-1 Reach: Reach-1

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Reach-1	116	100-Year FP	22000.00	21.70	32.80	32.80	32.95	0.001328	3.85	7558.13	2434.62	0.28
Reach-1	116	10-Year	1200.00	21.70	27.91	27.91	29.46	0.021597	9.99	120.11	332.55	1.00
Reach-1	116	50-Year	12000.00	21.70	31.96	31.96	33.21	0.014847	11.95	1473.88	1871.43	0.91
Reach-1	116	500-Year	50000.00	21.70	38.97	32.80	39.03	0.000196	2.36	26960.22	3522.94	0.12
Reach-1	115	100-Year FP	22000.00	15.70	31.66		31.74	0.000745	2.44	10611.79	2607.13	0.13
Reach-1	115	10-Year	1200.00	15.70	23.42		23.70	0.005188	4.31	287.58	65.25	0.32
Reach-1	115	50-Year	12000.00	15.70	28.80		28.94	0.002708	4.04	4470.75	1844.02	0.24
Reach-1	115	500-Year	50000.00	15.70	38.90		38.96	0.000175	1.66	27598.00	3316.55	0.07
Reach-1	114	100-Year FP	22000.00	14.40	31.50		31.55	0.000420	2.10	12516.35	2782.92	0.10
Reach-1	114	10-Year	1200.00	14.40	22.72		22.78	0.001454	2.30	767.51	428.68	0.17
Reach-1	114	50-Year	12000.00	14.40	28.42		28.47	0.000769	2.38	6872.81	1955.38	0.13
Reach-1	114	500-Year	50000.00	14.40	38.85		38.91	0.000172	1.82	26549.27	3459.45	0.07
Reach-1	113.5	100-Year FP	22000.00	14.00	31.37		31.44	0.000531	2.53	10183.49	2161.87	0.12
Reach-1	113.5	10-Year	1200.00	14.00	22.58		22.60	0.000475	1.38	1035.33	503.95	0.10
Reach-1	113.5	50-Year	12000.00	14.00	28.25		28.31	0.000637	2.34	6360.51	1796.24	0.13
Reach-1	113.5	500-Year	50000.00	14.00	38.76		38.85	0.000309	2.56	20798.38	3471.27	0.10
Reach-1	113.1	100-Year FP	22000.00	13.80	31.16		31.29	0.000734	2.81	8018.45	2674.31	0.14
Reach-1	113.1	10-Year	1200.00	13.80	22.52		22.53	0.000183	0.81	1463.83	657.64	0.06
Reach-1	113.1	50-Year	12000.00	13.80	28.07		28.16	0.000728	2.32	5376.68	2304.20	0.13
Reach-1	113.1	500-Year	50000.00	13.80	38.58		38.74	0.000569	3.38	15534.28	3485.90	0.13
Reach-1	113	100-Year FP	22000.00	13.00	30.61		30.93	0.001990	4.73	5018.93	3154.97	0.23
Reach-1	113	10-Year	1200.00	13.00	22.39		22.44	0.000768	1.83	794.00	1137.28	0.13
Reach-1	113	50-Year	12000.00	13.00	27.61		27.82	0.002050	4.03	3423.23	2397.44	0.22
Reach-1	113	500-Year	50000.00	13.00	37.88		38.40	0.001565	5.63	8879.43	3346.12	0.22
Reach-1	112	100-Year FP	22000.00	19.30	28.91	26.61	30.26	0.005195	9.32	2359.64	3095.39	0.59
Reach-1	112	10-Year	1200.00	19.30	21.97	21.37	22.18	0.007206	3.65	328.77	913.49	0.53
Reach-1	112	50-Year	12000.00	19.30	26.31	24.80	27.22	0.006021	7.65	1569.24	2932.07	0.59
Reach-1	112	500-Year	50000.00	19.30	35.72	30.58	37.70	0.003288	11.29	4429.88	3367.25	0.52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WS 50-Year
WS 10-Year
Ground
Ineff
Bank Sta
Existing Conditions
RS = 115
.045
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.075
Elevation (ft)
Station (ft)
Legend
WS 500-Year
WS 100-Year FP
WS 50-Year
WS 10-Year
Ground
Ineff
Bank Sta
Existing Conditions
RS = 114
.05
.075
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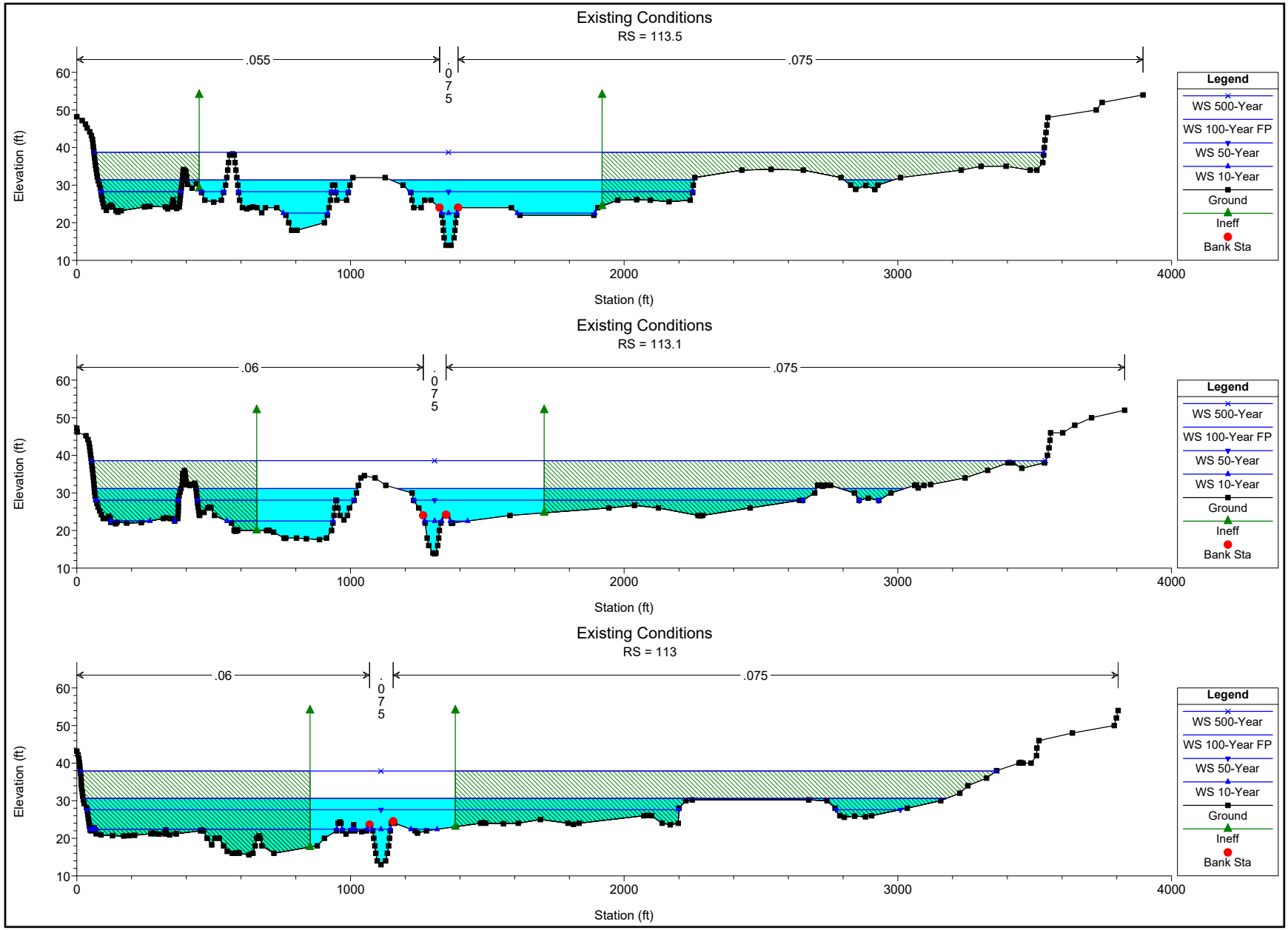
Elevation (ft)
Station (ft)
Legend
WS 500-Year
WS 100-Year FP
WS 50-Year
WS 10-Year
Ground
Ineff
Bank Sta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Station (ft)
Legend
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WS 100-Year FP
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WS 10-Year
Ground
Ineff
Bank Sta
Existing Conditions
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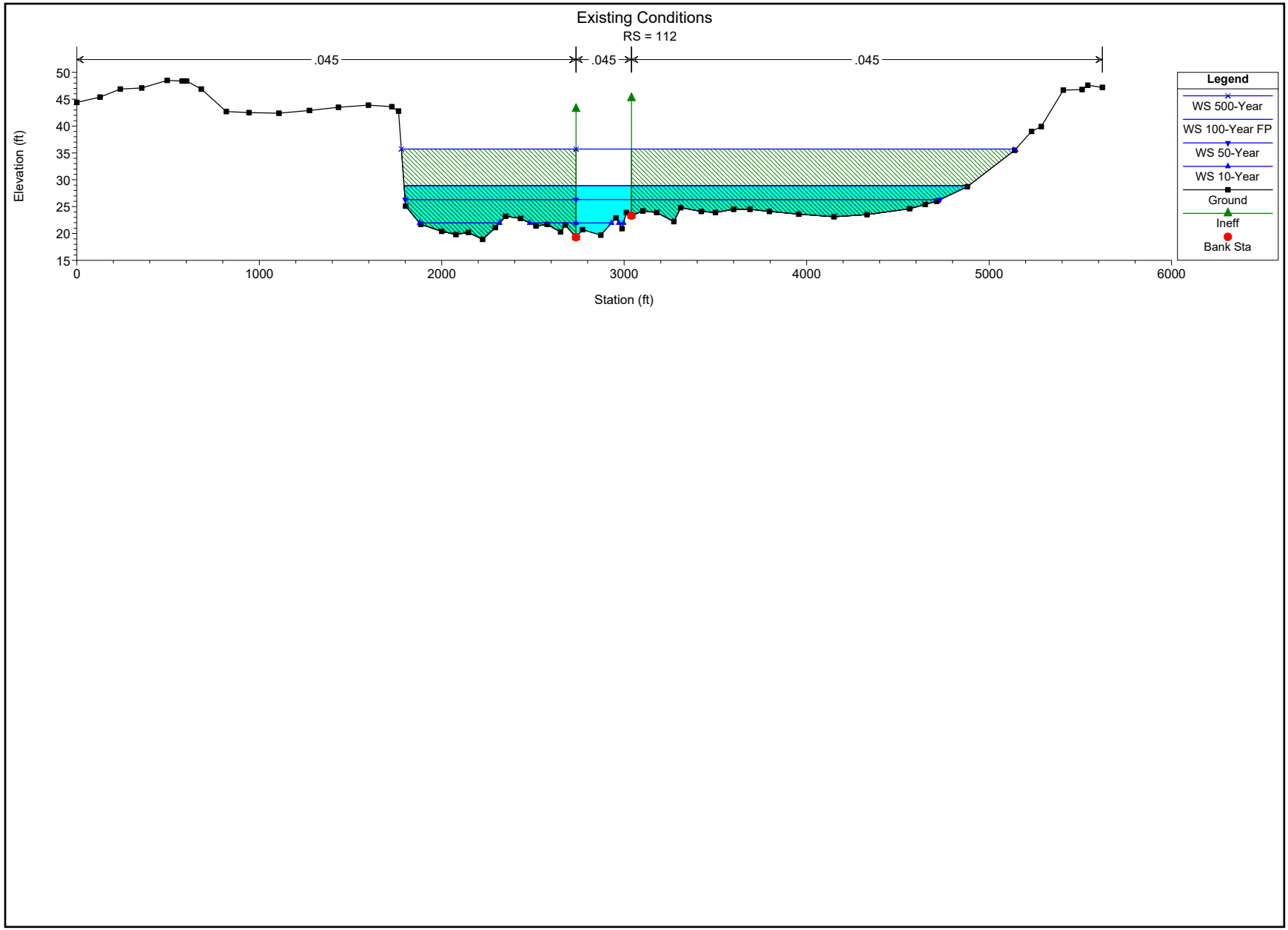
Elevation (ft)
Station (ft)
Legend
WS 500-Year
WS 100-Year FP
WS 50-Year
WS 10-Year
Ground
Ineff
Bank Sta
Existing Conditions
RS = 113
.06
.075
.075
Elevation (ft)
Station (ft)
Legend
WS 500-Year
WS 100-Year FP
WS 50-Year
WS 10-Year
Ground
Ineff
Bank Sta


Existing Conditions
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Elevation (ft)
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25
20
15
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2000
3000
4000
5000
6000
Station (ft)
Legend
WS 500-Year
WS 100-Year FP
WS 50-Year
WS 10-Year
Ground
Ineff
Bank Sta

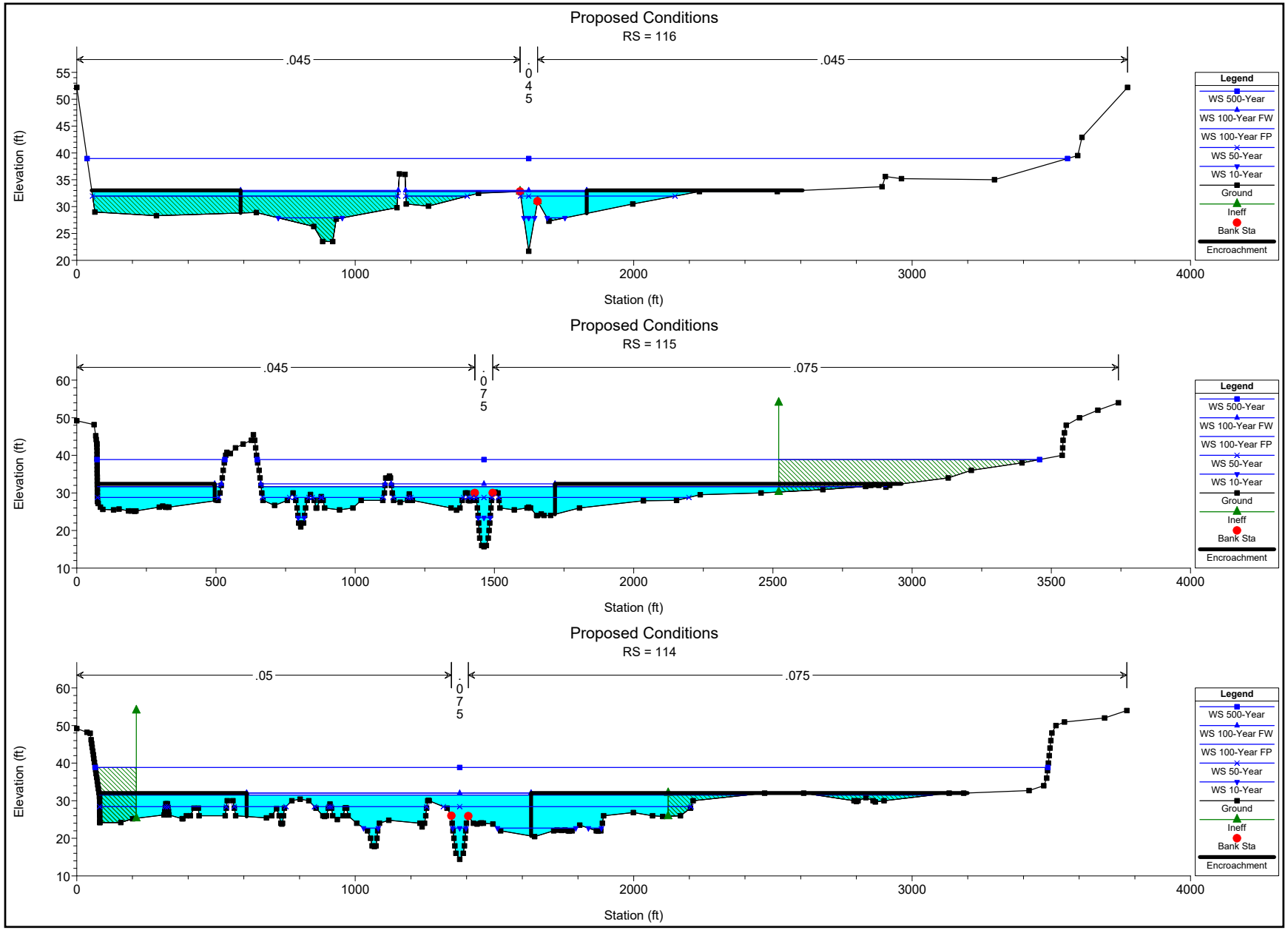
Proposed Conditions

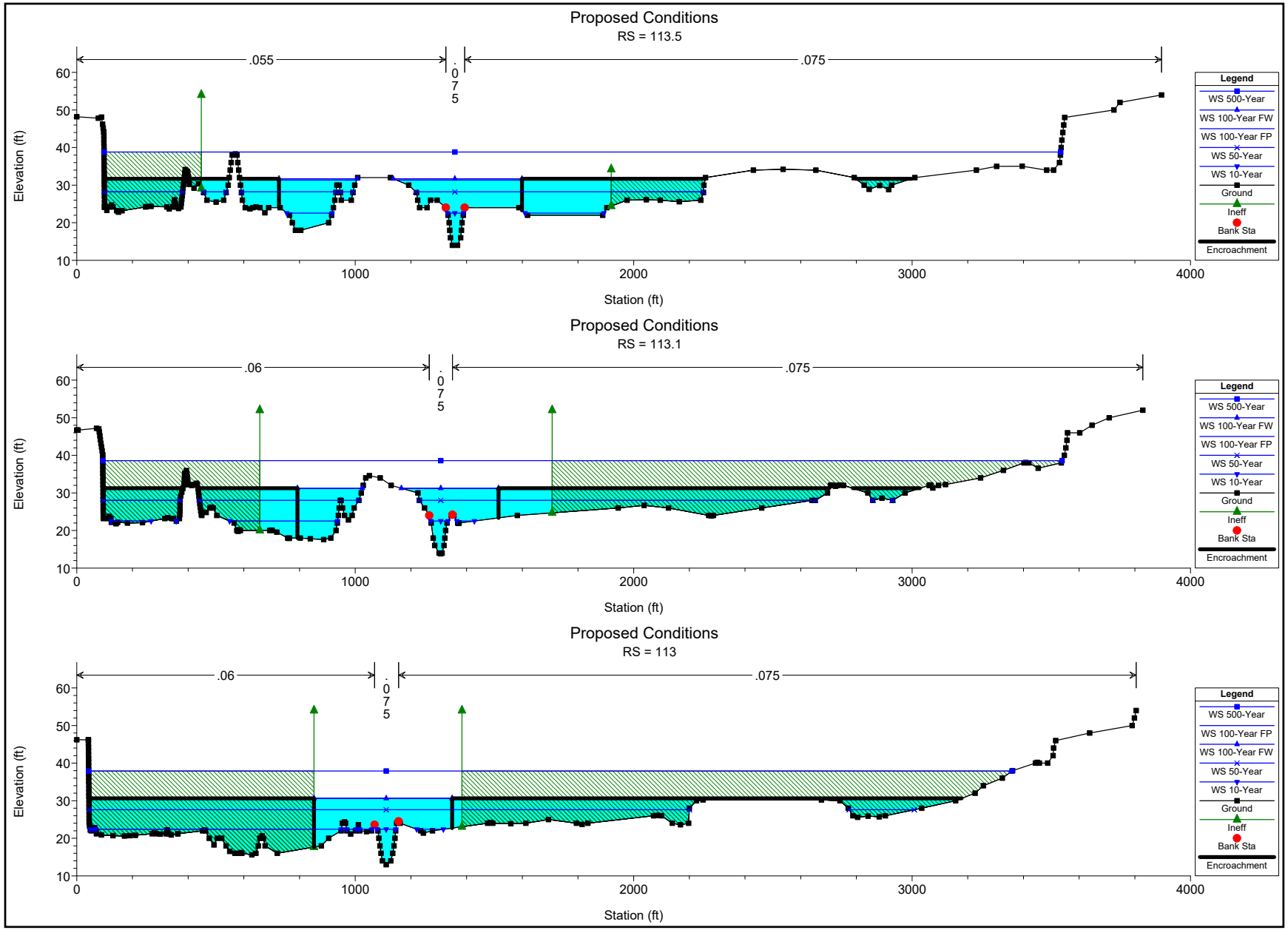
HEC-RAS Plan: Prop Cond River: RIVER-1 Reach: Reach-1

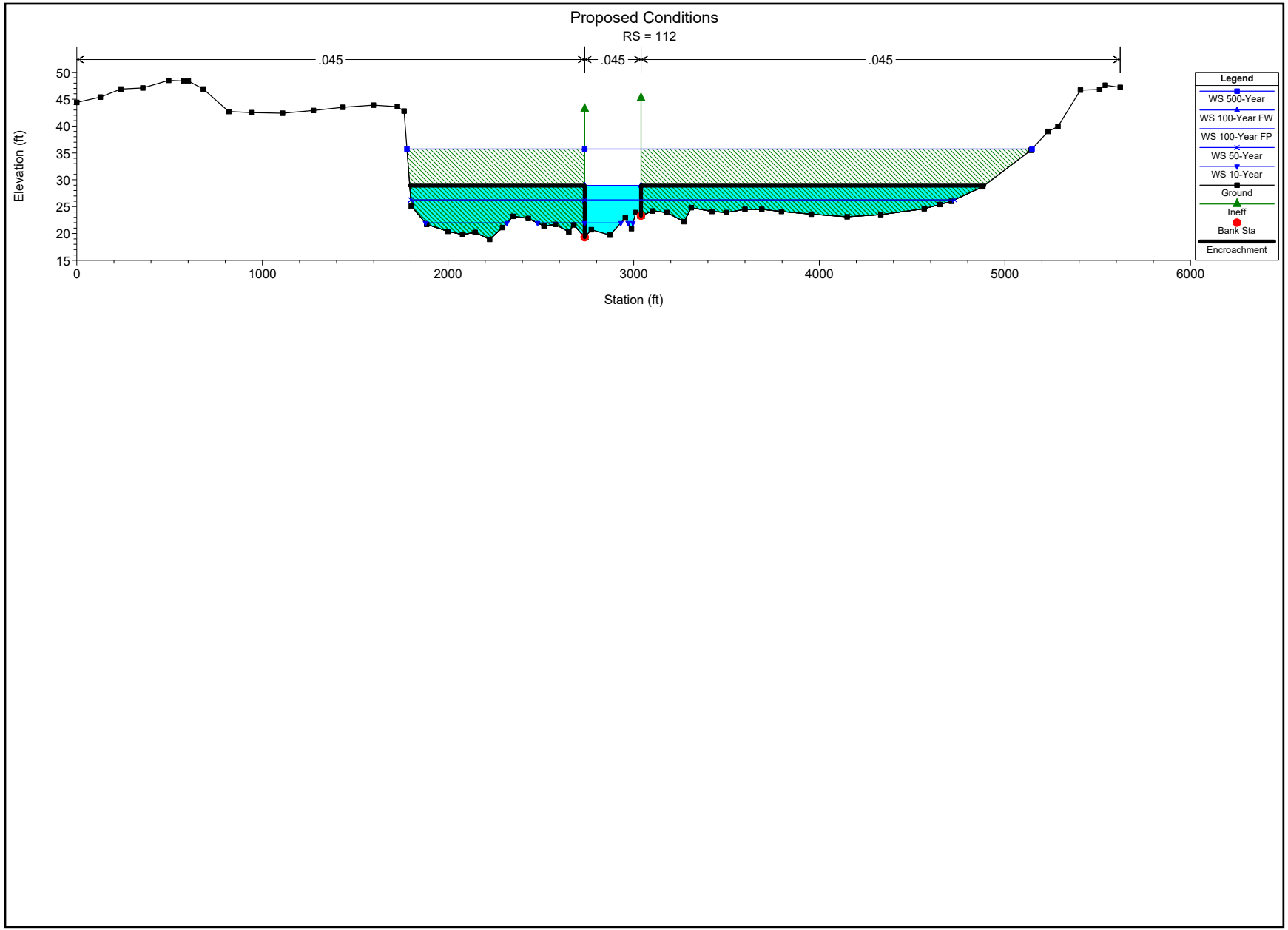
Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Reach-1	116	100-Year FP	22000.00	21.70	32.80	32.80	32.95	0.001328	3.85	7558.13	2434.62	0.28
Reach-1	116	100-Year FW	22000.00	21.70	33.02	32.80	33.35	0.002497	5.40	4800.25	1216.70	0.38
Reach-1	116	10-Year	1200.00	21.70	27.91	27.91	29.46	0.021597	9.99	120.11	332.55	1.00
Reach-1	116	50-Year	12000.00	21.70	31.96	31.96	33.21	0.014847	11.95	1473.88	1871.43	0.91
Reach-1	116	500-Year	50000.00	21.70	38.95	32.80	39.01	0.000198	2.37	26872.76	3521.22	0.12
Reach-1	115	100-Year FP	22000.00	15.70	31.66		31.74	0.000746	2.44	10578.75	2589.23	0.13
Reach-1	115	100-Year FW	22000.00	15.70	32.41		32.61	0.001538	3.67	6223.90	1059.49	0.19
Reach-1	115	10-Year	1200.00	15.70	23.42		23.70	0.005188	4.31	287.58	65.25	0.32
Reach-1	115	50-Year	12000.00	15.70	28.79		28.93	0.002732	4.06	4452.60	1838.13	0.24
Reach-1	115	500-Year	50000.00	15.70	38.88		38.94	0.000180	1.68	27245.30	3268.98	0.07
Reach-1	114	100-Year FP	22000.00	14.40	31.50	25.58	31.55	0.000420	2.10	12516.35	2744.35	0.10
Reach-1	114	100-Year FW	22000.00	14.40	32.04	26.53	32.18	0.000991	3.32	7376.32	1021.46	0.16
Reach-1	114	10-Year	1200.00	14.40	22.72	19.06	22.78	0.001454	2.30	767.51	428.68	0.17
Reach-1	114	50-Year	12000.00	14.40	28.41	24.49	28.46	0.000776	2.38	6853.12	1918.54	0.13
Reach-1	114	500-Year	50000.00	14.40	38.85	27.48	38.88	0.000124	1.54	37024.43	3421.73	0.06
Reach-1	113.5	100-Year FP	22000.00	14.00	31.37	25.00	31.44	0.000531	2.53	10183.49	2140.38	0.12
Reach-1	113.5	100-Year FW	22000.00	14.00	31.70	25.75	31.92	0.001367	4.11	6018.25	743.98	0.19
Reach-1	113.5	10-Year	1200.00	14.00	22.58	17.75	22.60	0.000475	1.38	1035.33	503.95	0.10
Reach-1	113.5	50-Year	12000.00	14.00	28.24	23.45	28.30	0.000642	2.34	6345.50	1784.74	0.13
Reach-1	113.5	500-Year	50000.00	14.00	38.80	26.89	38.84	0.000197	2.05	32451.15	3436.07	0.08
Reach-1	113.1	100-Year FP	22000.00	13.80	31.16		31.29	0.000734	2.81	8018.45	2643.88	0.14
Reach-1	113.1	100-Year FW	22000.00	13.80	31.24		31.54	0.001957	4.62	5074.67	582.53	0.23
Reach-1	113.1	10-Year	1200.00	13.80	22.52		22.53	0.000183	0.81	1463.83	657.64	0.06
Reach-1	113.1	50-Year	12000.00	13.80	28.05		28.14	0.000732	2.33	5365.05	2276.82	0.13
Reach-1	113.1	500-Year	50000.00	13.80	38.58		38.74	0.000569	3.38	15534.27	3445.55	0.13
Reach-1	113	100-Year FP	22000.00	13.00	30.61		30.93	0.001990	4.73	5018.93	3134.41	0.23
Reach-1	113	100-Year FW	22000.00	13.00	30.61		30.96	0.002288	5.07	4745.31	495.87	0.25
Reach-1	113	10-Year	1200.00	13.00	22.39		22.44	0.000768	1.83	794.00	1137.28	0.13
Reach-1	113	50-Year	12000.00	13.00	27.59		27.80	0.002068	4.04	3414.11	2389.38	0.23
Reach-1	113	500-Year	50000.00	13.00	37.88		38.40	0.001565	5.63	8879.43	3316.14	0.22
Reach-1	112	100-Year FP	22000.00	19.30	28.91	26.61	30.26	0.005195	9.32	2359.64	3095.39	0.59
Reach-1	112	100-Year FW	22000.00	19.30	28.91	26.61	30.26	0.005545	9.32	2359.64	304.00	0.59

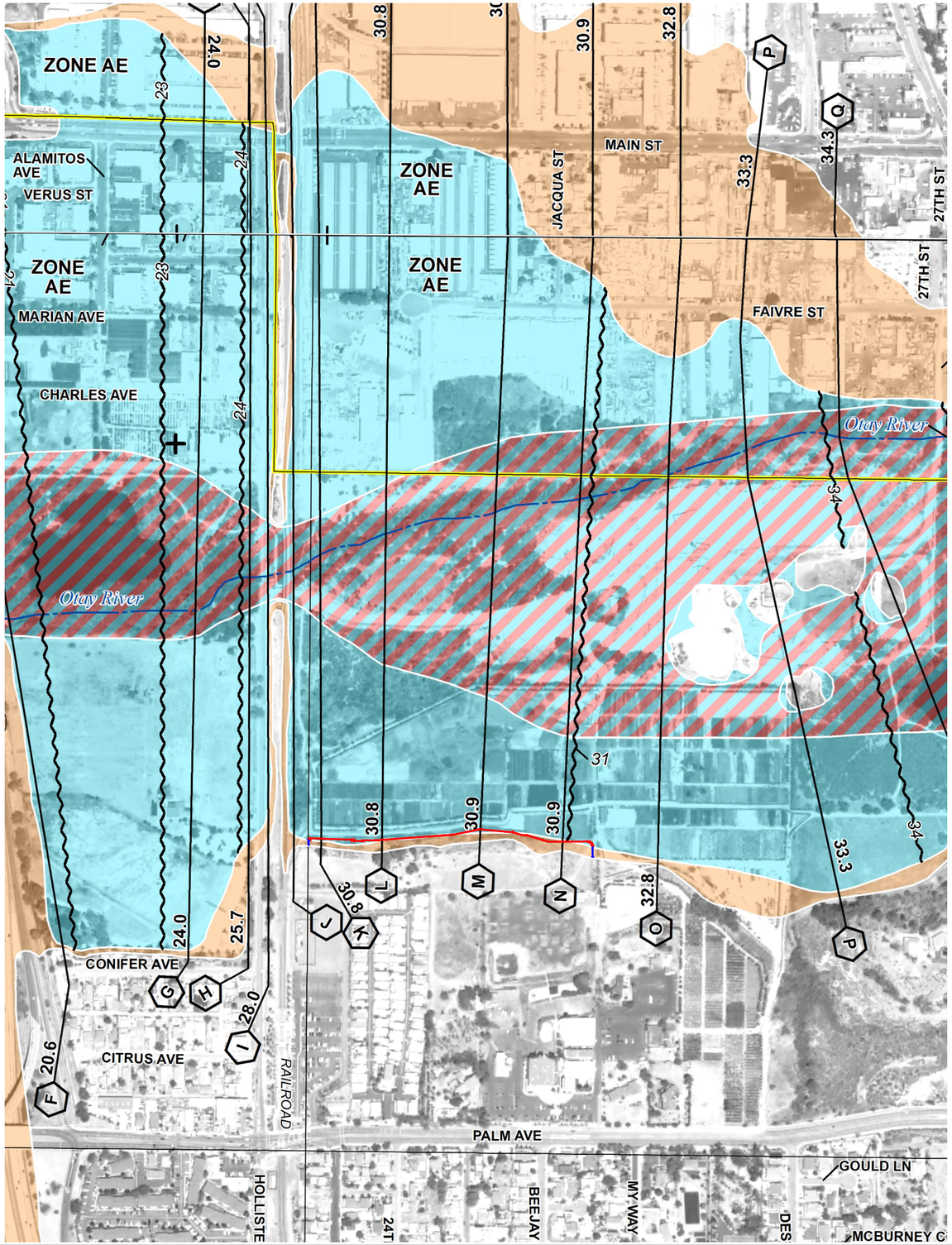
HEC-RAS Plan: Prop Cond River: RIVER-1 Reach: Reach-1 (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Reach-1	112	10-Year	1200.00	19.30	21.97	21.37	22.18	0.007206	3.65	328.77	913.49	0.53
Reach-1	112	50-Year	12000.00	19.30	26.27	24.80	27.19	0.006179	7.71	1557.08	2929.48	0.60
Reach-1	112	500-Year	50000.00	19.30	35.72	30.58	37.70	0.003288	11.29	4429.88	3367.25	0.52


Proposed Conditions
RS = 116
.045
.045
.045
Elevation (ft)
Station (ft)
Legend
WS 500-Year
WS 100-Year FW
WS 100-Year FP
WS 50-Year
WS 10-Year
Ground
Ineff
Bank Sta
Encroachment
Proposed Conditions
RS = 115
.045
.075
.075
Elevation (ft)
Station (ft)
Legend
WS 500-Year
WS 100-Year FW
WS 100-Year FP
WS 50-Year
WS 10-Year
Ground
Ineff
Bank Sta
Encroachment
Proposed Conditions
RS = 114
.05
.075
.075
Elevation (ft)
Station (ft)
Legend
WS 500-Year
WS 100-Year FW
WS 100-Year FP
WS 50-Year
WS 10-Year
Ground
Ineff
Bank Sta
Encroachment


Proposed Conditions
RS = 113.5
.055
.075
Elevation (ft)
Station (ft)
Legend
WS 500-Year
WS 100-Year FW
WS 100-Year FP
WS 50-Year
WS 10-Year
Ground
Ineff
Bank Sta
Encroachment
Proposed Conditions
RS = 113.1
.06
.075
Elevation (ft)
Station (ft)
Legend
WS 500-Year
WS 100-Year FW
WS 100-Year FP
WS 50-Year
WS 10-Year
Ground
Ineff
Bank Sta
Encroachment
Proposed Conditions
RS = 113
.06
.075
Elevation (ft)
Station (ft)
Legend
WS 500-Year
WS 100-Year FP
WS 100-Year FW
WS 50-Year
WS 10-Year
Ground
Ineff
Bank Sta
Encroachment


Proposed Conditions
RS = 112
.045
.045
.045
Elevation (ft)
50
45
40
35
30
25
20
15
0
1000
2000
3000
4000
5000
6000
Station (ft)
Legend
WS 500-Year
WS 100-Year FW
WS 100-Year FP
WS 50-Year
WS 10-Year
Ground
Ineff
Bank Sta
Encroachment



GRAPHIC SCALE

0 500

1 INCH = 500 FEET

LEGEND:

PROPOSED CONDITION 100– AND 500–YEAR FLOODPLAIN

PROPOSED CONDITION 500–YEAR FLOODPLAIN

NOTE:

THE FIRMS INLCUDED HEREON ARE PANEL NO.'S 06073C2152G AND 06073C2154J DATED DECEMBER 20, 2019. THE REVISED FLOODPLAINS ARE ALONG THE PROPOSED RETAINING WALL AT THE SOUTHERLY EDGE OF THE EFFECTIVE FLOODPLAINS.

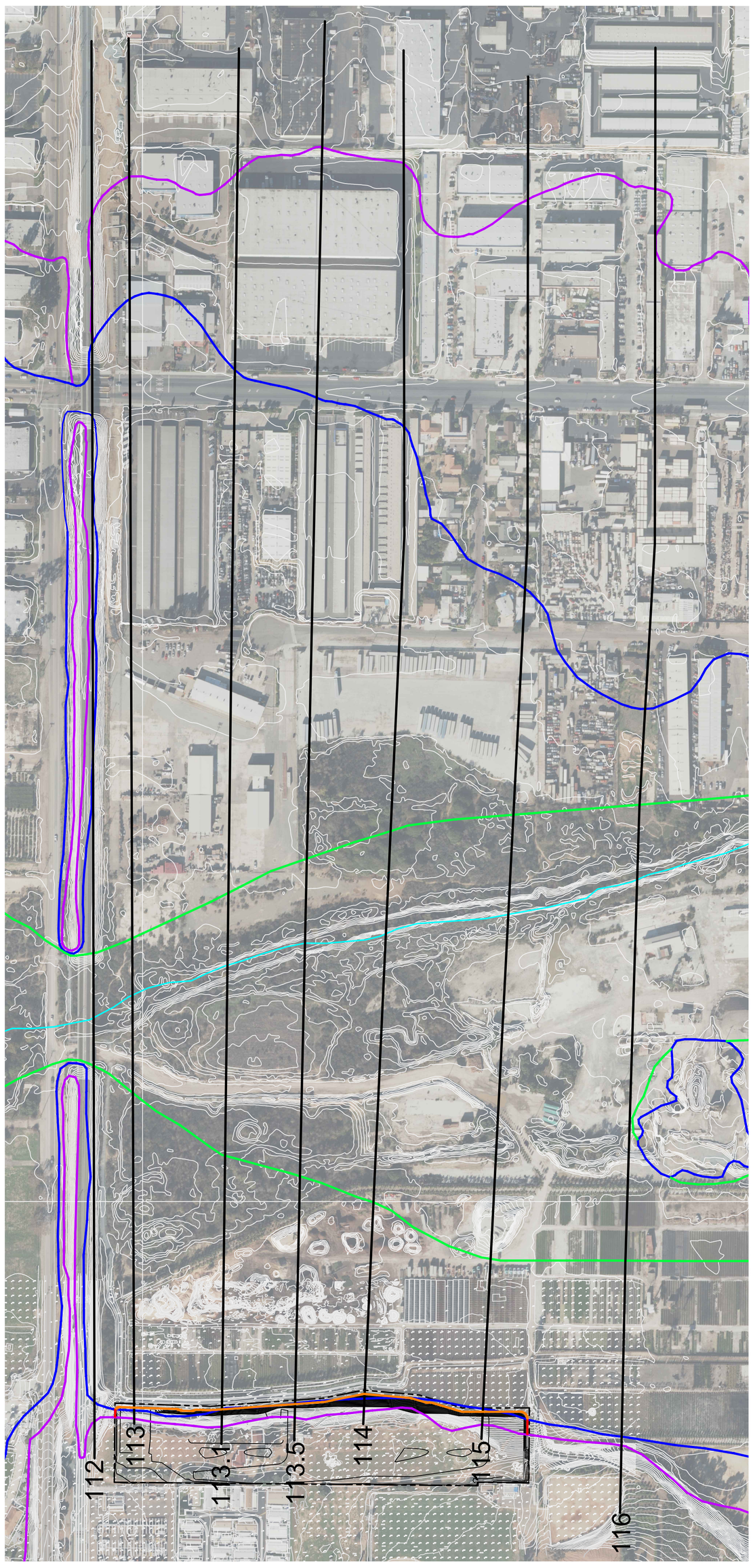
WAYNE W. CHANG

JULY 10, 2023

DATE

REGISTERED PROFESSIONAL ENGINEER
WAYNE W. CHANG
No. 46548
Exp. 6/30/25
CIVIL
STATE OF CALIFORNIA

ANNOTATED FIRM



GRAPHIC SCALE

200 0 100 200 400

1 INCH = 400 FEET

LEGEND:

- PROPERTY BOUNDARY
- PROPOSED GRADING
- HEC-RAS CROSS-SECTIONS
- EFFECTIVE FLOW LINE
- EFFECTIVE 100-YEAR FLOODPLAIN
- EFFECTIVE 500-YEAR FLOODPLAIN
- EFFECTIVE REGULATORY FLOODWAY
- PROPOSED CONDITION 100- AND 500-YEAR FLOODPLAIN (ALONG RETAINING WALL)
- PROPOSED CONDITION 500-YEAR FLOODPLAIN

NOTES:

THE TOPOGRAPHIC MAPPING ALONG THE PROJECT SITE WAS PREPARED BY SAN DIEGO AERIAL SURVEYS. ON JANUARY 12, 2020. THE CONTOUR INTERVAL IS 1 FOOT (ACCURACY IS 0.5 FEET). THE MAPPING IS ON NAVD 29 VERTICAL DATUM. THE TOPOGRAPHIC MAPPING BEYOND THE PROJECT SITE IS FROM SANGIS, AT A 2 FOOT CONTOUR INTERVAL, AND ON NAVD 88. NAVD 88=NGVD 29+2.2'. THE EXISTING AND PROPOSED CONDITION HEC-RAS ANALYSES ARE ON NAVD 88.

THE PROPOSED FLOODPLAIN REVISIONS ARE SOLELY WITHIN THE REVISION REQUESTOR'S PROPERTY BOUNDARY.

JULY 10, 2023

WAYNE W. CHANG — DATE

REGISTERED PROFESSIONAL ENGINEER
WAYNE W. CHANG
No. 46548
Exp. 6/30/25
CIVIL
STATE OF CALIFORNIA

PALM HOLLISTER APARTMENTS

CERTIFIED TOPOGRAPHIC WORK MAP