



THE CITY OF SAN DIEGO

## REPORT TO THE HEARING OFFICER

HEARING DATE: December 5, 2012                      REPORT NO. HO-12-092

ATTENTION: Hearing Officer

SUBJECT: WATER GROUP 616; PROJECT NUMBER 273446

LOCATION: Public Right-of-Way and Utility Easements within the Eastern Area of the Mid-City Communities Planning Area

APPLICANT: City of San Diego, Engineering and Capital Projects

### SUMMARY

Issue: Should the Hearing Officer approve the replacement of existing, and the installation water pipe within 58<sup>th</sup> Street and 60<sup>th</sup> Street in the Eastern Area Neighborhood of Mid-City Communities Plan area?

Staff Recommendation: **APPROVE** Site Development Permit No. 997871.

Community Planning Group Recommendation: On September 11, 2012, the Eastern Area Community Planning Committee voted 7-0-0 to approve the project without conditions (Attachment 6).

Environmental Review: The project was determined to be exempt pursuant to California Environmental Quality Act (CEQA) Guidelines Section 15302 (Replacement or Reconstruction) and 15303 (New Construction). This project is not pending an appeal of the environmental determination. The environmental exemption determination for this project was made on August 2, 2012 and the opportunity to appeal that determination ended September 4, 2012.

### BACKGROUND

The water facilities in the Eastern Area of the Mid-Cities Community Plan were built in the early part of the 20<sup>th</sup> century. Many service areas suffer from low water pressure. The community plan acknowledges these issues and has a community goal “to provide a water and sewer system that has been upgraded to meet current standards”. The community plan “recommends” the aggressive pursuit of a main replacement, upgrading and to correct existing problems. The proposed project works towards these goals and recommendations of the community plan by upgrading the existing cast iron piping within the project area (Attachment 1A, 1B, and 1C).

The entire project is located either within a Public Utility Easement or within the public right-of-way along portions of the following streets: Bates Street, 58<sup>th</sup> Street, Ascot Street, University Avenue, Olympic Street, Andros Place, 58<sup>th</sup> Place, Trojan Avenue, Vale Way, Bernadine Place, Sharron Place, Bradford Street, Estelle Street, Seminole Drive, 60<sup>th</sup> Street and within the Mid City, Eastern Area Community Plan Area of the El Cerrito neighborhood. Approximately 400 linear feet (LF) of water main lines are within an existing 10-foot wide easement extending between two cul-de-sacs located on 60<sup>th</sup> Street, 540 feet north of the intersection of 60<sup>th</sup> Street and University Avenue. The project site is not located within or adjacent to, the City's Multi-Habitat Planning Area (MHPA) (Attachment 1A, 1B, and 1C).

## DISCUSSION

The proposed project would replace in place 14,300 LF of existing asphalt concrete and cast iron water pipe with polyvinyl chloride (PVC) pipe, install an additional 1,100 LF of new PVC water pipe on 58<sup>th</sup> Street, and acquire approximately 0.05 acre (400' L x 5' W) of additional easement. The remaining 400 feet lies within an existing 10-foot easement which extends through an unnamed finger canyon between two cul-de-sacs located on 60<sup>th</sup> street. Work and access is required in this canyon area to replace and align the water main which will result in a new easement width of 15 feet in order to comply with current City standards and health regulations. The proposed project would also require an additional 10-foot wide temporary construction access easement for construction equipment access. The project is replacing existing facilities and will have minimal disturbance to natural landforms. Replacing the aging structures would reduce the opportunity for flooding and damage from erosion. Areas of work that are unpaved will be revegetated reducing potential for erosion. The proposed structures do not create a fire hazard as they are not constructed of flammable material. The development will minimize the alteration of natural land forms and will not result in undue risk from geologic and erosional forces, flood hazards, or fire hazards.

Due to the topography and original alignments occasional work in areas containing environmentally sensitive lands is unavoidable. While the impacts are not sufficient to require mitigation under the California Environmental Quality Act (CEQA), they do require a Site Development Permit according to the Land Development Code. All impacted vegetation will be revegetated per the approved revegetation/erosion control plan prepared in accordance with the City's Land Development Manual and Landscape Standards. Access to the canyon would be taken from the cul-de-sacs located on 60<sup>th</sup> street and all work would occur within the limits of the easement and temporary construction access corridor. Staging and storage of materials would occur within the public right-of-way.

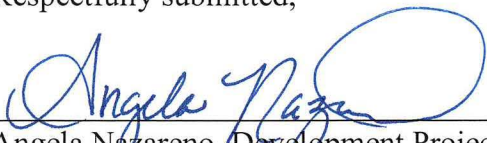
CONCLUSION:

Staff has reviewed the proposed project to replace in place 14,300 LF of existing asphalt concrete and cast iron water pipe with PVC pipe and install 1,100 LF of water pipe with PVC pipe and found it consistent with the applicable regulations and policy documents in affect for the site pursuant to the Land Development Code and the Eastern Area Neighborhood of Mid-City Communities Plan. Therefore, staff believes the findings (Attachment 3) can be made and recommends that the Hearing Officer approve Site Development Permit No. 997871.

ALTERNATIVE(S):

1. Approve Site Development Permit No. 997871; or
2. Deny Site Development Permit No. 997871, if the findings required to approve the project cannot be affirmed.

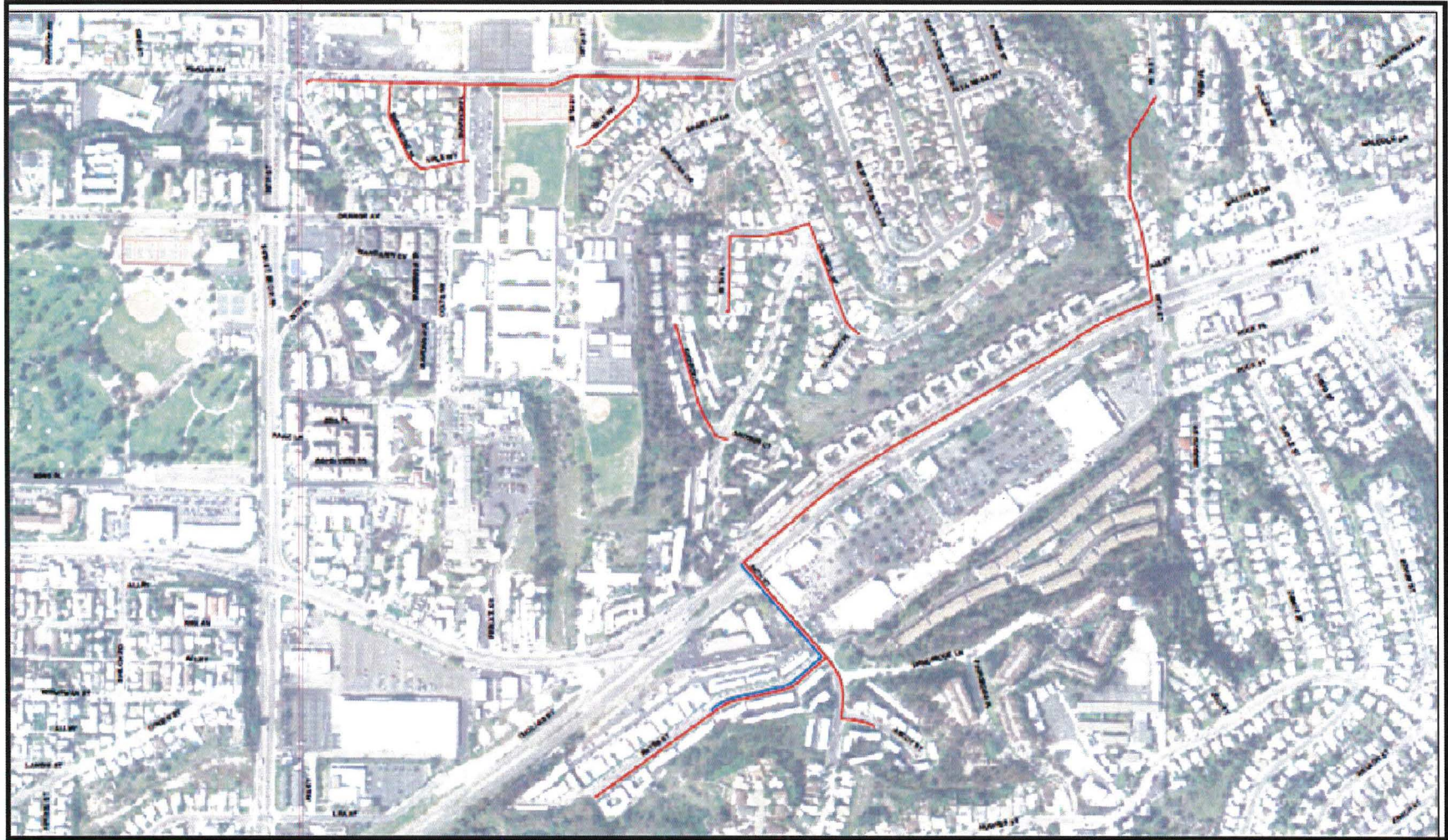
Respectfully submitted,



Angela Nazareno, Development Project Manager

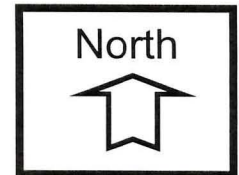
Attachments:

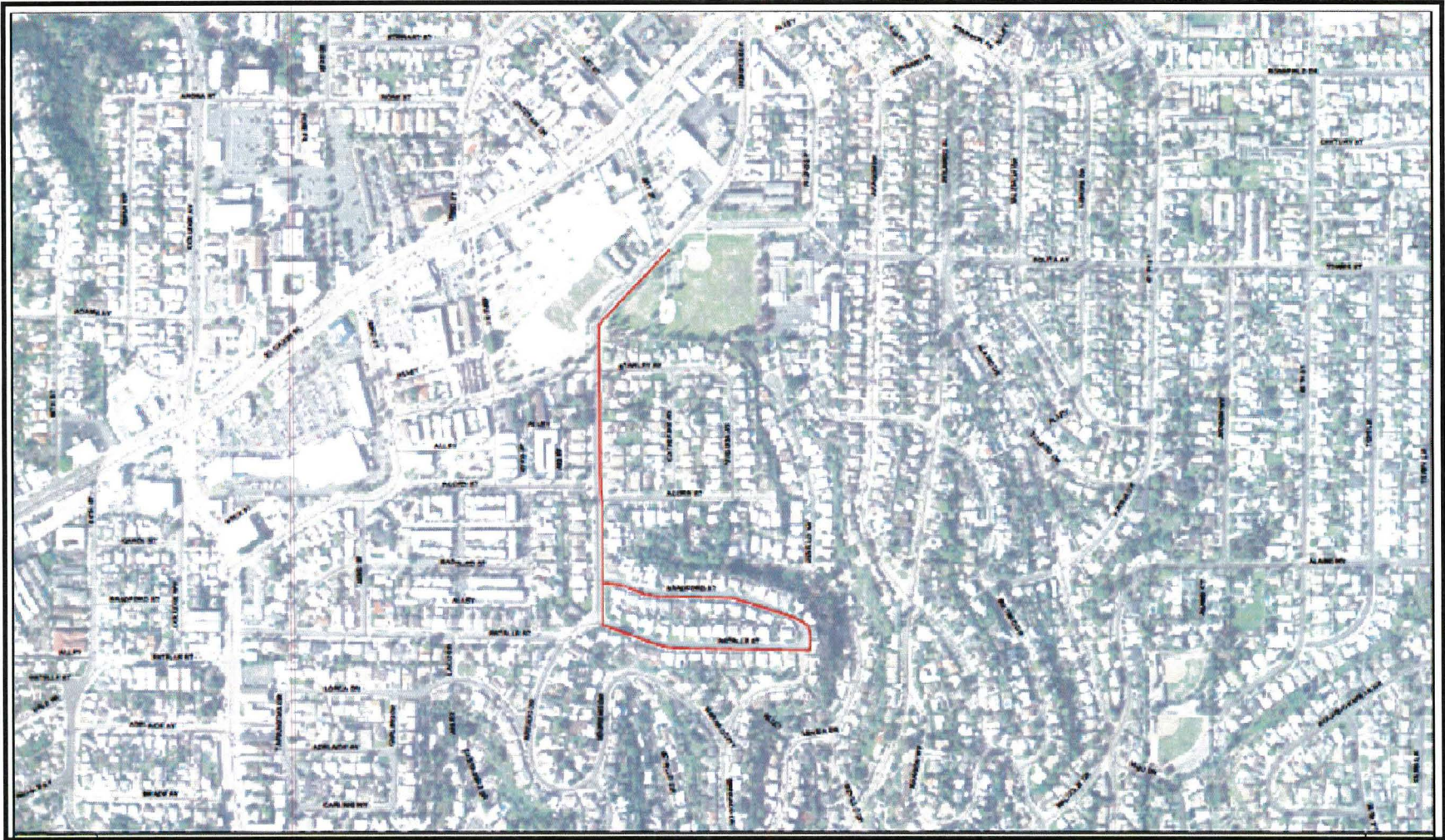
1. Location Aerial Photograph (1A, 1B, and 1C)
2. Community Plan Land Use Map
3. Draft Permit Resolution with Findings
4. Draft Permit with Conditions
5. Environmental Exemption
6. Community Planning Group Recommendation
7. Project Plans
8. Easement Exhibit



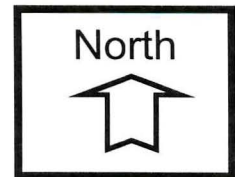
## Location Aerial Photo

WATER GROUP 616 – VARIOUS LOCATIONS  
PROJECT NO. 273446



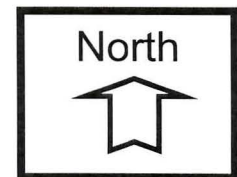


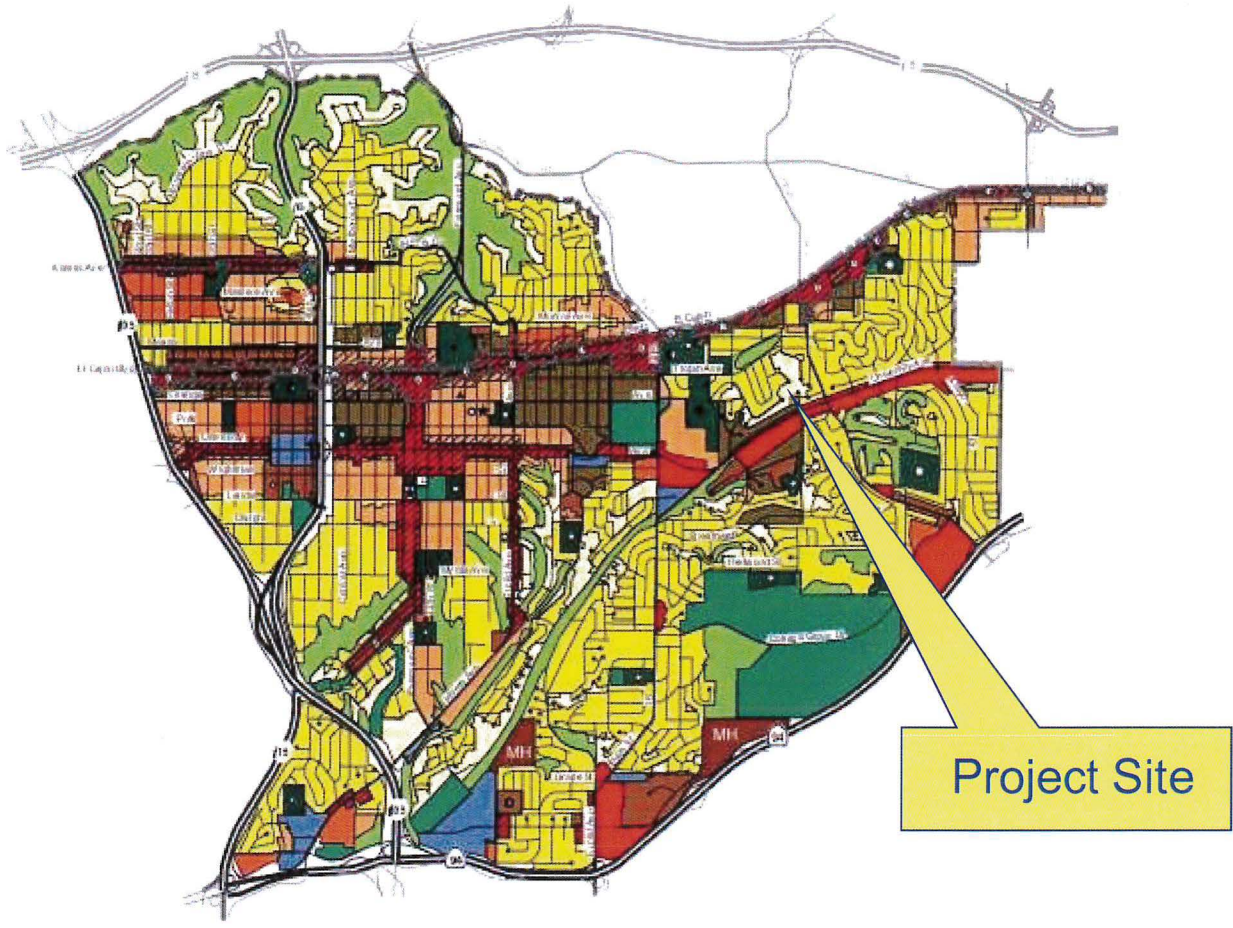
**Location Aerial Photo**  
**WATER GROUP 616- VARIOUS LOCATIONS**  
**PROJECT NO. 273446**





**Location Aerial Photo**  
**WATER GROUP 616- VARIOUS LOCATIONS**  
**PROJECT NO. 273446**





Land Use Legend

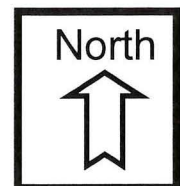
Residential 1-5 du/ac	Industrial
Residential 6-10 du/ac	Institutional
Residential 11-15 du/ac	School
Residential 16-20 du/ac	Elementary
Residential 21-25 du/ac	Junior High
Residential 26-30 du/ac	High School
Mobile Home Park	Park
Commercial/Residential Transition Zone	Open Space
Commercial and Mixed Use	Fire Station
73 du/ac*	Police Station
35 du/ac*	Library
19 du/ac*	Post Office
9 du/ac	

\*In areas where residential use is permitted, a mixed use bonus to 43 du/ac is available



# Land Use Map

**WATER GROUP 616 – VARIOUS LOCATIONS**  
**PROJECT NO. 273446**



HEARING OFFICER RESOLUTION NO. XXXX  
 SITE DEVELOPMENT PERMIT NO. 997871  
**WATER GROUP 616, PROJECT NO. 273446**

WHEREAS, the Engineering and Capital Projects Department of the City of San Diego, Owner/Permittee, filed an application with the City of San Diego for a permit to replace 14,300 linear feet (LF) of existing AC and Cast Iron water pipe with PVC water pipe and install an additional 1,100 feet of new polyvinyl chloride (PVC) water pipe on 58th Street with a remaining 400 feet located within an existing 10 foot easement joining 60th Street which will also require an additional easement of 0.5 acres (as described in and by reference to the approved Exhibits "A" and corresponding conditions of approval for the associated Permit No. 997871);

WHEREAS, the project site is located either within a Public Utility Easement or within the public right-of-way along portions of the following streets: Bates Street, 58<sup>th</sup> Street, Ascot Street, University Avenue, Olympic Street, Andros Place, 58<sup>th</sup> Place, Trojan Avenue, Vale Way, Bernadine Place, Sharron Place, Bradford Street, Estelle Street, Seminole Drive, and 60<sup>th</sup> Street. Approximately 400 linear feet of water main lies within an existing 10-foot wide easement extending between two cul-de-sacs located on 60<sup>th</sup> Street, 540 feet north of the intersection of 60<sup>th</sup> Street and University Avenue. The entire project site is located within the Mid-City: Eastern Area Community Plan Area;

WHEREAS, on December 5, 2012, the Hearing Officer of the City of San Diego considered Site Development Permit No. 997871 pursuant to the Land Development Code of the City of San Diego, NOW, THEREFORE;

BE IT RESOLVED by the Hearing Officer of the City of San Diego as follows:

That the Hearing Officer adopts the following written Findings, dated December 5, 2012:

**Site Development Permit - Section 126.0504**

**A. Findings for all Site Development**

- 1. The proposed development will not adversely affect the applicable land use plan.**  
 The proposed project would replace 14,300 LF of existing asphalt concrete and cast iron water pipe with PVC pipe, install an additional 1,100 LF of new PVC water pipe on 58<sup>th</sup> Street, acquire approximately 0.05 acre (400' L x 5' W) of additional easement resulting in a new easement width of 15 feet in order to comply with current City standards and health regulations, and require an additional 10-foot wide temporary construction access easement for construction equipment access. Impacted vegetation will be revegetated per the approved revegetation/erosion control plan prepared in accordance with the City's Land Development Manual and Landscape Standards. The water facilities in this area of the Eastern Area of the Mid-Cities Community Plan were built in the early part of the 20<sup>th</sup> century and are obsolete. Many service areas also suffer from low water pressure due to the much needed upgrades. The community plan acknowledges these issues and has a community goal "to provide a water and sewer system that has been upgraded to meet current standards". The community plan "recommends" the aggressive pursuit of a main replacement, upgrading and to correct existing problems. The proposed project works towards these goals and recommendations of the community plan by upgrading the



existing cast iron piping within the project area. It also considers health and safety standards by acquiring the additional easement and while only 400 feet of the project is outside the paved right-of-way, the project area containing vegetation will be revegetated after the work is completed. This will leave the natural vegetation and aesthetics of the community intact. Therefore, this proposed project will not adversely affect the applicable land use plan.

2. **The proposed development will not be detrimental to the public health, safety, and welfare.** The proposed project would replace 14,300 LF of existing asphalt concrete and cast iron water pipe with PVC pipe, install an additional 1,100 LF of new PVC water pipe on 58<sup>th</sup> Street, acquire approximately 0.05 acre (400' L x 5' W) of additional easement resulting in a new easement width of 15 feet in order to comply with current City standards and health regulations. Access to a clean and reliable water source is a necessity to any civilization and an expected service to be provided to the citizens by the City of San Diego. The proposed work will replace an aging and failing system and bring the facility to up to the current City standards and health regulations. Replacement of the facilities as described in this project in order to provide a more reliable water source will not be detrimental to the public health, safety, and welfare.
  
3. **The proposed development will comply with the regulations of the Land Development Code, including any allowable deviations pursuant to the Land Development Code.** The proposed project would replace 14,300 LF of existing asphalt concrete and cast iron water pipe with PVC pipe, install an additional 1,100 LF of new PVC water pipe on 58<sup>th</sup> Street, acquire approximately 0.05 acre (400' L x 5' W) of additional easement resulting in a new easement width of 15 feet in order to comply with current City standards and health regulations, and require an additional 10-foot wide temporary construction access easement for construction equipment access. Impacted vegetation will be revegetated per the approved revegetation/erosion control plan prepared in accordance with the City's Land Development Manual and Landscape Standards. All but 400 feet of the project lies within the paved public-right-of-way. This remaining 400 feet lies within an existing 10-foot easement which extends through an unnamed finger canyon between two cul-de-dacs located on 60<sup>th</sup> street. Work and access is required in this canyon area to replace and align the existing water main. Work and disturbance to what has been evaluated as environmentally sensitive lands is unavoidable and is considered a deviation because they cannot be avoided. While the impacts are not sufficient to require mitigation under the California Environmental Quality Act (CEQA), they do require a Site Development Permit according to the Land Development Code. Since all impacted vegetation will be revegetated per the approved revegetation/erosion control plan prepared in accordance with the City's Land Development Manual and Landscape Standards the project will comply with the regulations of the Land Development Code Including any allowable deviations pursuant to the Land Development Code.

## B. Supplemental Findings--Environmentally Sensitive Lands

- 1. The site is physically suitable for the design and siting of the proposed development and the development will result in minimum disturbance to environmentally sensitive lands.** The proposed project would replace 14,300 LF of existing asphalt concrete and cast iron water pipe with PVC pipe, install an additional 1,100 LF of new PVC water pipe on 58<sup>th</sup> Street, acquire approximately 0.05 acre (400' L x 5' W) of additional easement resulting in a new easement width of 15 feet in order to comply with current City standards and health regulations, and require an additional 10-foot wide temporary construction access easement for construction equipment access. All but 400 feet of the project lies within the paved public-right-of-way. This remaining 400 feet lies within an existing 10-foot easement which extends through an unnamed finger canyon between two cul-de-sacs located on 60<sup>th</sup> street. Work and access is required in this canyon area to replace and align the water main. This is an existing facility which is being replaced. Due to the topography and original alignments occasional work in areas containing environmentally sensitive lands is unavoidable. While the impacts are not sufficient to require mitigation under CEQA, they do require a Site Development Permit according to the Land Development Code. All impacted vegetation will be revegetated per the approved revegetation/erosion control plan prepared in accordance with the City's Land Development Manual and Landscape Standards. Access to the canyon would be taken from the cul-de-sacs located on 60<sup>th</sup> street and all work would occur within the limits of the easement and temporary construction access corridor. Staging and storage of materials would occur within the public right-of-way. Therefore, the site is physically suitable for the design and siting of the proposed development and the development will result in minimum disturbance to environmentally sensitive lands.
- 2. The proposed development will minimize the alteration of natural land forms and will not result in undue risk from geologic and erosional forces, flood hazards, or fire hazards.** The proposed project would replace 14,300 LF of existing asphalt concrete and cast iron water pipe with PVC pipe, install an additional 1,100 LF of new PVC water pipe on 58<sup>th</sup> Street, acquire approximately 0.05 acre (400' L x 5' W) of additional easement resulting in a new easement width of 15 feet in order to comply with current City standards and health regulations, and require an additional 10-foot wide temporary construction access easement for construction equipment access. All but 400 feet of the project lies within the paved public-right-of-way. This remaining 400 feet lies within an existing 10-foot easement which extends through an unnamed finger canyon between two cul-de-sacs located on 60<sup>th</sup> street. The project is replacing existing facilities and will have minimal disturbance to natural landforms. Replacing the aging structures would reduce the opportunity for flooding and damage from erosion. Areas of work that are unpaved will be revegetated reducing potential for erosion from work. The proposed structures do not create a fire hazard as they are not constructed of flammable material. In these ways, the development will minimize the alteration of natural land forms and will not result in undue risk from geologic and erosional forces, flood hazards, or fire hazards.
- 3. The proposed development will be sited and designed to prevent adverse impacts on any adjacent environmentally sensitive lands.** The proposed project would replace 14,300 LF of existing asphalt concrete and cast iron water pipe. All but 400 feet of the project lies within the paved public-right-of-way. This remaining 400 feet lies within an existing 10-foot easement which extends through an unnamed finger canyon between two cul-de-sacs located on 60<sup>th</sup> street. This is an essential public facility and already exists in

this area. All impacted vegetation will be revegetated per the approved revegetation/erosion control plan prepared in accordance with the City's Land Development Manual and Landscape Standards. Access to the canyon would be taken from the cul-de-sacs located on 60<sup>th</sup> street and all work would occur within the limits of the easement and temporary construction access corridor. Staging and storage of materials would occur within the public right of way. Replacing the aging structures would reduce the opportunity for unplanned flooding and ultimately prevent adverse impacts on any adjacent environmentally sensitive lands.

4. **The proposed development will be consistent with the City of San Diego's Multiple Species Conservation Program (MSCP) Subarea Plan.** The project is not located within or adjacent to the Multi-Habitat Planning Area (MHPA) of the City's Multiple Species Conservation Program (MSCP). The work is consistent with the MSCP by implementing Best Management Practices (BMPs) to control erosion during construction. Therefore, the proposed development will be consistent with the City of San Diego's MSCP Subarea Plan.
5. **The proposed development will not contribute to the erosion of public beaches or adversely impact local shoreline sand supply.** The proposed replacement of 14,300 LF of water pipes and associated water mains are located approximately 13 miles from a public beach and or local shoreline. Therefore the project will not contribute to the erosion of public beaches or adversely impact local shoreline sand supply.
6. **The nature and extent of mitigation required as a condition of the permit is reasonably related to, and calculated to alleviate, negative impacts created by the proposed development.** The proposed project would replace 14,300 LF of existing asphalt concrete and cast iron water pipe with PVC pipe, install an additional 1,100 LF of new PVC water pipe on 58<sup>th</sup> Street, acquire approximately 0.05 acre (400' L x 5' W) of additional easement resulting in a new easement width of 15 feet in order to comply with current City standards and health regulations, and require an additional 10-foot wide temporary construction access easement for construction equipment access. Impacted vegetation will be revegetated per the approved revegetation/erosion control plan prepared in accordance with the City's Land Development Manual and Landscape Standards. All but 400 feet of the project lies within the paved public-right-of-way. This remaining 400 feet lies within an existing 10- foot easement which extends through an unnamed finger canyon between two cul-de-sacs located on 60<sup>th</sup> street. Work and access is required in this canyon area to replace and align the existing water main. Work and disturbance to what has been evaluated as environmentally sensitive lands is unavoidable and is considered a deviation because they cannot be avoided. While the impacts are not sufficient to require mitigation under CEQA, they do require a Site Development Permit according to the Land Development Code. Since all impacted vegetation will be revegetated per the approved revegetation/erosion control plan prepared in accordance with the City's Land Development Manual and Landscape Standards, there is no CEQA mitigation required (only the City requirement to revegetate the disturbed areas appropriately). Therefore, the nature and extent of mitigation required as a condition of the permit is reasonably related to, and calculated to alleviate, negative impacts created by the proposed development.

BE IT FURTHER RESOLVED that, based on the findings hereinbefore adopted by the Hearing Officer, Site Development Permit No. 997871 is hereby GRANTED by the Hearing Officer to the referenced

Owner/Permittee, in the form, exhibits, terms and conditions as set forth in Permit No. 997871, a copy of which is attached hereto and made a part hereof.

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Angela Nazareno  
Development Project Manager  
Development Services

Adopted on: December 5, 2012

WBS No. B-00018.02.06

**RECORDING REQUESTED BY**  
CITY OF SAN DIEGO  
DEVELOPMENT SERVICES  
PERMIT INTAKE, MAIL STATION 501

**WHEN RECORDED MAIL TO**

**PROJECT MANAGEMENT**  
**PERMIT CLERK**  
**MAIL STATION 501**

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SPACE ABOVE THIS LINE FOR RECORDER'S USE

WBS: B-00018.02.06

**SITE DEVELOPMENT PERMIT NO. 997871**  
**WATER GROUP 616 PROJECT NO. 273446**  
Hearing Officer

This Site Development Permit is granted by the Hearing Officer of the City of San Diego to the City of San Diego Engineering and Capital Projects Department, Owner/Permittee, pursuant to San Diego Municipal Code [SDMC] section 126.0502. The approximate 0.18-acre site is located primarily along 58<sup>th</sup> Street in the public right-of-way within the El Cerrito neighborhood of the City of San Diego, California. The project site is situated northwest of the intersection of University Avenue and College Avenue, in unsectioned lands. The project site lies between 2 disjunct portions of 60<sup>th</sup> Street, one block north of University Avenue in various residential zones of the Eastern Area Neighborhood of the Mid-City Community Plan.

Subject to the terms and conditions set forth in this Permit, permission is granted to the City of San Diego, Engineering and Capital Projects, Owner/Permittee to replace 14,300 feet of existing AC and Cast Iron water pipe with PVC water pipe, and install an additional 1,100 feet of new polyvinyl chloride (PVC) water pipe on 58th Street with a remaining 400 feet located within an existing 10 foot easement joining 60th Street and subject to the City's land use regulations described and identified by size, dimension, quantity, type, and location on the approved exhibits [Exhibit "A"] dated December 5, 2012, on file in the Development Services Department.

The project shall include:

- a. Replace approximately 14,300 linear feet (0.24 miles) of existing water main;
- b. Landscape/Revegetation.

**STANDARD REQUIREMENTS:**

1. This permit must be utilized within thirty-six (36) months after the date on which all rights of appeal have expired. If this permit is not utilized in accordance with Chapter 12, Article 6, Division 1 of the SDMC within the 36 month period, this permit shall be void unless an Extension of Time has been granted. Any such Extension of Time must meet all SDMC requirements and applicable guidelines in effect at the time the extension is considered by the appropriate decision maker.
2. No permit for the construction, occupancy, or operation of any facility or improvement described herein shall be granted, nor shall any activity authorized by this Permit be conducted on the premises until:
  - a. The Owner/Permittee signs and returns the Permit to the Development Services Department; and
  - b. The Permit is recorded in the Office of the San Diego County Recorder.
3. While this Permit is in effect, the subject property shall be used only for the purposes and under the terms and conditions set forth in this Permit unless otherwise authorized by the appropriate City decision maker.
4. This Permit is a covenant running with the subject property and all of the requirements and conditions of this Permit and related documents shall be binding upon the Owner/Permittee and any successor(s) in interest.
5. The continued use of this Permit shall be subject to the regulations of this and any other applicable governmental agency.
6. Issuance of this Permit by the City of San Diego does not authorize the Owner/Permittee for this Permit to violate any Federal, State or City laws, ordinances, regulations or policies including, but not limited to, the Endangered Species Act of 1973 [ESA] and any amendments thereto (16 U.S.C. § 1531 et seq.).
7. Construction plans shall be in substantial conformity to Exhibit "A." Changes, modifications, or alterations to the construction plans are prohibited unless appropriate application(s) or amendment(s) to this Permit have been granted.
8. The owner/permittee will secure all necessary easements.
9. All of the conditions contained in this Permit have been considered and were determined-necessary to make the findings required for approval of this Permit. The Permit holder is required to comply with each and every condition in order to maintain the entitlements that are granted by this Permit.

If any condition of this Permit, on a legal challenge by the Owner/Permittee of this Permit, is found or held by a court of competent jurisdiction to be invalid, unenforceable, or unreasonable, this Permit shall be void. However, in such an event, the Owner/Permittee shall have the right, by paying applicable processing fees, to bring a request for a new permit without the "invalid" condition(s) back to the discretionary body which approved the Permit for a determination by that body as to whether all of the findings necessary for the issuance of the proposed permit can still be made in the absence of the "invalid" condition(s). Such hearing shall be a hearing de novo, and the discretionary body shall have the absolute right to approve, disapprove, or modify the proposed permit and the condition(s) contained therein.

**INFORMATION ONLY:**

- The issuance of this discretionary use permit alone does not allow the immediate commencement or continued operation of the proposed use on site. The operation allowed by this discretionary use permit may only begin or recommence after all conditions listed on this permit are fully completed and all required ministerial permits have been issued and received final inspection.
- Any party on whom fees, dedications, reservations, or other exactions have been imposed as conditions of approval of this Permit, may protest the imposition within ninety days of the approval of this development permit by filing a written protest with the City Clerk pursuant to California Government Code-section 66020.
- This development may be subject to impact fees at the time of construction permit issuance.

APPROVED by the Hearing Office of the City of San Diego on December 5, 2012 and Resolution No. XXX

Site Development Permit No. 997871  
PTS Approval No. 273446  
Date of Approval: December 5, 2012

AUTHENTICATED BY THE CITY OF SAN DIEGO DEVELOPMENT SERVICES  
DEPARTMENT

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Angela Nazareno  
Development Project Manager

**NOTE: Notary acknowledgment  
must be attached per Civil Code  
section 1189 et seq.**

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**The undersigned Owner/Permittee**, by execution hereof, agrees to each and every condition of this Permit and promises to perform each and every obligation of Owner/Permittee hereunder.

**CITY OF SAN DIEGO, Engineering and Capital Projects**  
Owner/Permittee

By: \_\_\_\_\_  
NAME  
TITLE

**NOTE: Notary acknowledgments  
must be attached per Civil Code  
section 1189 et seq.**



NOTICE OF EXEMPTION

TO: X RECORDER/COUNTY CLERK
P.O. BOX 1750, MS A-33
1600 PACIFIC HWY, ROOM 260
SAN DIEGO, CA 92101-2422
OFFICE OF PLANNING AND RESEARCH
1400 TENTH STREET, ROOM 121
SACRAMENTO, CA 95814

FROM: CITY OF SAN DIEGO
DEVELOPMENT SERVICES DEPARTMENT
1222 FIRST AVENUE, MS 501
SAN DIEGO, CA 92101

PROJECT NO./WBS NO.: 273446/B-00018.02.06

PROJECT TITLE: WATER GROUP 616

PROJECT LOCATION-SPECIFIC: The project is located within the public right-of-way along portions of the following streets: Bates Street, 58th Street, Ascot Street, University Avenue, Olympic Street, Andros Place, 58th Place, Trojan Avenue, Vale Way, Bernadine Place, Sharron Place, Bradford Street, Estelle Street, Seminole Drive and 60th Street. Approximately 400 linear feet (LF) of water main lies within an existing 10-foot wide easement extending between two cul-de-sacs located on 60th Street 540 feet north of the intersection of 60th Street and University Avenue. The entire project site is located within the Mid City: Eastern Area Community Plan area (Council District 7).

PROJECT LOCATION-CITY/COUNTY: San Diego/San Diego

DESCRIPTION OF NATURE, PURPOSE, AND BENEFICIARIES OF PROJECT: The project would replace in place 14,300 LF of existing asphalt concrete and cast iron water pipe with polyvinyl chloride (PVC) pipe, install an additional 1,100 LF of new PVC water pipe on 58th Street, acquire approximately 0.05 acre (400' L x 5' W) of additional easement resulting in a new easement width of 15 feet in order to comply with current City standards and health regulations, and require an additional 10-foot wide temporary construction access easement for construction equipment access. Impacted vegetation will be revegetated per the approved revegetation/erosion control plan prepared in accordance with the City's Land Development Manual and Landscape Standards.

NAME OF PUBLIC AGENCY APPROVING PROJECT: City of San Diego, Public Works - Engineering and Capital Projects

NAME OF PERSON OR AGENCY CARRYING OUT PROJECT: Joe Myers, Project Manager
600 B Street, Suite 800, MS 908A
San Diego, CA 92101- 4502
(619) 533-6632

EXEMPT STATUS: (CHECK ONE)

- ( ) MINISTERIAL (SEC. 21080(b)(1); 15268);
( ) DECLARED EMERGENCY (SEC. 21080(b)(3); 15269(a));
( ) EMERGENCY PROJECT (SEC. 21080(b)(4); 15269 (b)(c))
(X) CATEGORICAL EXEMPTION: 15302 (REPLACEMENT OR RECONSTRUCTION) AND 15303 (NEW CONSTRUCTION)
( ) STATUTORY EXEMPTIONS:

REASONS WHY PROJECT IS EXEMPT: The City of San Diego has determined the project meets the categorical exemption criteria set forth in the CEQA State Guidelines, Section 15302 (Replacement or Reconstruction), which allows for the replacement or reconstruction of existing structures and facilities where the new structure will be located on the same site as the structure replaced and will have substantially the same purpose and capacity as the structure replaced; Section 15303 (New Construction), which allows for construction and location of limited numbers of new, small facilities or structures; and where the exceptions listed in Section 15300.2 would not apply.

LEAD AGENCY CONTACT PERSON: Jeff Szymanski

TELEPHONE: (619) 446-5324

IF FILED BY APPLICANT:

- 1. ATTACH CERTIFIED DOCUMENT OF EXEMPTION FINDING.
2. HAS A NOTICE OF EXEMPTION BEEN FILED BY THE PUBLIC AGENCY APPROVING THE PROJECT?
( ) YES ( ) NO

IT IS HEREBY CERTIFIED THAT THE CITY OF SAN DIEGO HAS DETERMINED THE ABOVE ACTIVITY TO BE EXEMPT FROM CEQA

Signature/Title: Jeff Szymanski / SENIOR PLANNER

DATE: 9/10/2012

CHECK ONE:
(X) SIGNED BY LEAD AGENCY
( ) SIGNED BY APPLICANT

DATE RECEIVED FOR FILING WITH COUNTY CLERK OR OPR:

**EASTERN AREA COMMUNITY PLANNING COMMITTEE**  
**Holy Spirit Catholic Church, Parish Hall – 2725 55<sup>th</sup> Street, San Diego, CA 92105**  
**September 11, 2012 Meeting Minutes Final**

EACPC Chair Laura Riebau called the meeting to order at approximately 7:02PM noting a quorum of 7 including herself, Daniele Laman, Denise Armijo, Lee Rittiner, Andy Huelskamp, Anne Schoeller, Mario Ingrassi. Earl Lemar arrived at aprox. 7:30pm. Carl Davis arrived at approx. 8:30. Both had notified the Chair they would be late. Pam Swain and Jolaine Harris were not present.

**Chair's Welcome:**

Laura R. mentioned the need for Park support send letters/emails to Mayor Sander' office; Reported that the Rock Street Project by Habitat For Humanity approved by our board in June is receiving some opposition from adjoining properties owners. They will be appearing before the planning commission in November.

**Communications from the Public/Board:**

Board:

Denise A. attended the workshop presented by Urban Forestry/Cal. Fire. She provided a brochure with sustainable energy tips and that more information is available online including a tree map.

Lee R. mentioned Canyon clean up at Meridian & Zenith St next Saturday.

Andy R. introduced Lisa Gonzales of Oak Park as a prospective board member for EACPC. He also said he has another person that may attend in the future. The Chair said the 3 meeting criteria will be waived since EACPC is getting back to 12 member level.

**Adoption of Agenda or Agenda Changes:** None

**Approval or Correction of Minutes:** Laura R. said April 9, 2012 Meeting Minutes are not available for review. She took notes so she will prepare them for future approval. Carl D. was not present with copies of July 10, 2012 minutes so the Chair requested these also be tabled for approval in October 2012 meeting. Large part of delay was that August was dark. Motion was made and seconded and was Approved unanimously by Board.

**Secretarial Duties:** Laura R. said Secretary, Carl D. had sent message that he would be late, Anne S. is taking notes for him until he arrives.

**Treasurer's Report:** Andy H. reported an unchanged bank balance of \$75.53 as of this date.

**Council Reports:**

Chris Pearson - District 7: Chris Pearson had a conflict and did not attend meeting.

Mike Prinz - CPCI: Not present.

Bruce Williams – District 4: Handout of Weekly Update News; grant application for low-income homeowners for Energy Efficient Home Improvements due by Sept 17, 2012.

Bruce W. gave an overview of the weekly update items.

Questions from Board: Daniele L. where is Chollas Lake Building location S11025 with a start date of 9-13-2012? *Ans. Bruce will investigate and contact her.*

Earl L. asked how can Webster receive a fair portion of monies for improvements to dedicated Sunshine Bernardini Park Land referred to in July 2012 Eblast. *Answer: Bruce will talk explain to him how the monies will be distributed one on one.*

CONDITIONAL USE PERMIT REVIEW: Action Item. Request to upgrade to full liquor license for Rainbow Farms Market- Webster Community - 4727 Federal Blvd. Hand out Neighborhood Use Permit information by Chair.

Mr. Robert Zakar owner wants to submit an application to the state for the liquor license lottery dates Sept. 10<sup>th</sup> to Sept. 21<sup>st</sup> Only 20 will be granted this year for an upgrade type 20(wine and beer) to add distilled spirits change to a type 21. He is asking the EACPC board to send a letter to city zoning officials who also will be reviewing this.

Reasons: Store has 800-1000 customers per day and several have requested distilled spirits be added for on stop shopping convenience; He has a good reputation in the community and has a nice store. Mr. Zakar also owns other stores with liquor licenses and has no problems at the other San Diego locations. He will not be selling single service pints; the store's location is outside of the Schools' 600 foot buffer boundaries as required by regulations. There are no violations on record, no alcohol sales after 12:00am since the stores are closed by then. Liquors will be behind counter.

Board Comments or questions: How many liquor stores close by? *Ans. One across street, also without violations. Andy H. said it is a nice store for the community.*

Earl L./ Webster Rep.: He and other board members asked why the owners had not presented this at a community meeting. Earl said the next meeting was Sept. 18<sup>th</sup>. Mr Zakar promised to do so.

Daniele L. made a motion to approve the upgrade contingent on attending the next Webster meeting. Denise A. seconded. The motion was approved Vote was 6 Yes, 1 No Anne, 1 chair abstains.

**Water Group 616 Water Main and Sewer Project** - Bill Thompson presented maps of the Water Group 616 Project and discussed the replacement of water main pipes and the need to widen the current 100 foot easement in the canyon between View Place and 60<sup>th</sup> with environmentally sensitive vegetation which requires EACPC approval. Board discussion included: The easement will be widened to about 25 feet – currently 10 feet; the property owner is being paid for the increased easement; The City will remove and replace fencing on the property as needed and that a fruit tree will be relocated from the widened easement area; Cannot add sidewalks along University Avenue to the project. For other work in the community EACPC recommends that work on streets around Crawford High School should not take place in the fall when the school has its football season and the work on University and around the schools on Trojan and Seminole should not take place during rush hour – should not start before 9:00 AM. Motion for approval of easement was made by Denise A., Seconded by Daniele L. The vote was – 7 for approval, 0 against, Chair abstained.

**University Avenue Improvement-** Expect Esmerelda White at the November EACPC meeting. The subcommittee discussed it felt the best way to spend current money is to spread it out on many small projects that could cover the entire area like bike lanes to unify the entire section. There are currently no bike lanes in University Ave. Safety issues were also a concern at 54<sup>th</sup> and 58<sup>th</sup>. A focus should be put on simple measures that could be done quickly until more money becomes available. Changing and repainting lines can help traffic without a major cost. Changes to the bus stop on University Ave. at University Square could be done less costly with a ramp and stairs leading to the apartments. Consideration was made moving the bus stop on northbound college at university across to southbound college next to the Arco. Can we require businesses to be held more responsible for shopping carts left out of the community? A concern about the merger of Chollas Way, University Ave. and 58<sup>th</sup> street and safety was raised. Could a portable speed sign be placed around the community?

**New Capital Improvements Program (CIP) Process.** Capital Improvements Program is trying to get a 5 or 10 year plan together. EACPC has been asked to create its “wish list.” These “Design, Bid, Build” projects have money going to them. Funding comes from many different federal and state funds. All communities in the Eastern Area are encouraged to have input on what projects should get priority. Questions brought up included: if its not on the priority list, will they still get funded and completed? Why are some items that are listed and said completed but are not completed? Why are some listed items with little or no description? Do things that are fully funded need to be included in the priority list? This may have to be delegated to a subcommittee. A recommendation was made to have everyone take the lists to board member’s neighborhood to make a list of important projects for their area. A list provided by the Capital Improvements department was handed out and can also be found on sandiego.gov. under capital improvements. The Board decided to hold a community outreach meeting on Monday or Tuesday in the last week of October – 5<sup>th</sup> week of the month so cionflicts less likely. Board members to invite their community residents in the Eastern Area for the meeting at the Holy Spirit Catholic Church to be at 7 PM.

### **Subcommittee Reports:**

**Schools – Lee Rittiner** - no report

**Transportation** – Mario – Information is available about the HOV lanes on 805 and 94 as well as the improvements at the boarder crossing.

**CPC – Laura Riebau** – CPC talked about the Capital Improvements Program plan. Communications have improved with SDGE, Cox and AT&T dealing with undergrounding. Utilities state boxes are necessary above ground for access in an emergency and quicker response.

**For the Good of the Order and Adjournment.** Adjournment at 9:56

Recording Secretaries, Anne Schoeller, Carl Davis

# WATER GROUP 616

**WORK TO BE DONE**

CONSTRUCTION CONSISTS OF THE REPLACEMENT OF EXISTING 6, 8, 10 AND 12-INCH CAST IRON AND ASBESTOS CEMENT WATER MAINS WITH APPROXIMATELY 14,535 LINEAR FEET OF 8 AND 12-INCH PVC WATER MAIN. THE INSTALLATION OF APPROXIMATELY 1,020 LINEAR FEET OF NEW 12-INCH PVC WATER MAIN AND ALL OTHER APPURTENANCES IN ACCORDANCE WITH THE SPECIFICATIONS AND DRAWINGS NUMBERED 35594-01-D THROUGH 35594-41-D.

**LEGEND**

IMPROVEMENTS	STANDARD DRAWINGS	SYMBOL
TRENCH RESURFACING	SDG-107, SDG-108 TRENCH RESURFACING FOR ASPHALT CONCRETE SURFACED STREETS SEE DETAIL SHEET 37	
SURVEY MONUMENT	M-10	
WATER MAIN & APPURTENANCES	SDW-100, WP-01, WT-01, FOR PIPE BEDDING & TRENCH BACKFILL DETAIL, SEE SHEET 37	
WATER MAIN & APPURTENANCES FOR NEW PARALLEL MAIN ON SHEETS 10 & 11	SDW-100, WP-01, WT-01, FOR PIPE BEDDING & TRENCH BACKFILL DETAIL, SEE SHEET 37	
VALVES WITH CAPS AND WELLS	SDW-100, SDW-109, WV-02 TYPE B, WV-03, WV-04, WV-5	
FIRE SERVICE ASSEMBLY CONNECTION	SDW-109, SDW-116, WV-02 TYPE B	
FIRE SERVICE ASSEMBLY WITH BACKFLOW PREVENTER	SDW-109, SDW-118, SDW-119, SDW-120 SDW-141, WF-05, WS-04, WV-02 TYPE B	
6" FIRE HYDRANT ASSEMBLY & MARKER 2-PORT UNLESS SPECIFIED AS 3-PORT	SDW-100, SDW-109, M-19, WF-04, WP-03, WV-02 TYPE B 6" FIRE HYDRANT SEE DETAIL SHEET XX	
1" WATER SERVICE UNLESS OTHERWISE SPECIFIED	SDW-100, SDW-134, SDW-135, SDW-136, SDW-137, SDW-138, WF-01, WS-01 WS-02, WS-03, NARROW TRENCH FOR 1" & 2" WATER SERVICES, SEE DETAIL SHEET 37	
WATER SERVICE TRANSFER	SDW-100, WS-01, WS-02	
BLOW-OFF ASSEMBLY	SDW-100, SDW-106, WS-01, WB-02, WB-03, WB-04, WB-05,	
AIR & VACUUM VALVE	SDW-100, SDW-117, WA-01, WA-02, WA-04, WA-05	
CUTTING AND PLUGGING ABANDONED WATER/SEWER MAIN	WP-03	

FOR ADDITIONAL SYMBOLS, SEE RESURFACING, CURB RAMP, HORIZONTAL ALIGNMENT COORDINATE AND TRAFFIC CONTROL SHEETS.

**LIMITS OF WORK**

SHEET NO.	DISCIPLINE CODE	TITLE	LIMITS	PIPE		LENGTH (FT)
				SIZE IN	MATERIAL	
1	C-1	COVER SHEET				
2	C-2	COVER SHEET				
3	C-1	BATES STREET	STA 1+00 TO STA 1+00	12	WATER	600
4	C-2	BATES STREET	STA 7+00 TO STA 3+48	12	WATER	648
5	C-3	ASCOT ST/58TH ST	STA 1+00 TO STA 6+00	12	WATER	500
6	C-4	58TH STREET	STA 6+00 TO STA 10+61	12	WATER	461
7	C-5	UNIVERSITY AVENUE	STA 1+00 TO STA 8+00	12	WATER	700
8	C-5	UNIVERSITY AVENUE	STA 8+00 TO STA 8+00	12	WATER	1000
9	C-6	UNIVERSITY AVENUE	STA 18+00 TO STA 22+46	12	WATER	447
9	C-7	UNIVERSITY AVENUE	STA 1+00 TO STA 1+00	12	WATER	90
10	C-8	BATES ST (NEW MAIN)	STA 0+00 TO STA 6+00	12	WATER	520
11	C-9	58TH ST (NEW MAIN)	STA 6+00 TO STA 12+04	12	WATER	604
12	C-10	EASEMENT	STA 5+50 TO STA 10+56	12	WATER	506
13	C-11	50TH STREET	STA 1+00 TO STA 5+00	12	WATER	450
14	C-12	ANDROS PLACE	STA 1+00 TO STA 6-71	12	WATER	571
15	C-13	58TH PLACE	STA 1+30 TO STA 10-50	12	WATER	370
16	C-14	58TH PL/OLYMPIC ST	STA 5+00 TO STA 10+00	12	WATER	500
17	C-15	OLYMPIC STREET	STA 10+00 TO STA 14+44	12	WATER	444
18	C-16	TROJAN AVENUE	STA 1+00 TO STA 7+00	12	WATER	600
19	C-17	TROJAN AVENUE	STA 7+00 TO STA 13+00	12	WATER	600
20	C-18	TROJAN AVENUE	STA 13+00 TO STA 19-72	12	WATER	672
21	C-19	BERNADINE PLACE	STA 1+00 TO STA 7+00	8	WATER	600
22	C-20	SHARRON PLACE	STA 7+00 TO STA 10+51	8	WATER	351
23	C-21	VALE WAY	STA 1+00 TO STA 5-24	8	WATER	424
24	C-22	SEMINOLE DRIVE	STA 1+00 TO STA 8+00	12	WATER	700
25	C-23	SEMINOLE DRIVE	STA 8+00 TO STA 15+00	12	WATER	700
26	C-24	SEMINOLE DRIVE	STA 15+00 TO STA 19-00	12	WATER	400
27	C-25	BRADFORD STREET	STA 1+00 TO STA 7+00	8	WATER	600
28	C-26	BRADFORD STREET	STA 7+00 TO STA 11-17	8	WATER	417
29	C-27	ESTELLE STREET	STA 1+00 TO STA 6-00	8	WATER	500
30	C-28	ESTELLE STREET	STA 6+00 TO STA 10+01	8	WATER	401
31	C-29	CITY FORCES				TOTAL WATER 15376
32	C-30	CITY FORCES				
33	C-31	STREET RESURFACING				
34	C-32	STREET RESURFACING				
35	C-33	CURB RAMP LOCATION				
36	C-34	CURB RAMP LOCATION				
37	C-35	MISC DETAILS				
38	C-36	WATER POLLUTION CONTROL SITE PLANS				
39	C-37	WATER POLLUTION CONTROL SITE PLANS				
40	C-38	PERMANENT STORM WATER BEST MANAGEMENT PRACTICES				
41	C-39	VEGETATION PLANS				
42	T-1	TRAFFIC PLANS				

**DISCIPLINE CODE**

- C GENERAL
- D DEMOLITION
- C CIVIL
- L LANDSCAPE
- A ARCHITECTURAL
- S STRUCTURAL
- M MECHANICAL
- E ELECTRICAL
- I INSTRUMENTATION
- T TRAFFIC CONTROL

**UNDERGROUND UTILITIES**

AT LEAST THREE (3) WORKING DAYS PRIOR TO EXCAVATION, THE CONTRACTOR SHALL REQUEST A MARKOUT OF UNDERGROUND UTILITIES BY CALLING THE BELOW LISTED REGIONAL NOTIFICATION CENTER FOR AN INQUIRY IDENTIFICATION NUMBER: 1-800-422-4133 UNDERGROUND SERVICE ALERT (U.S.A.)

**CONTRACTOR'S RESPONSIBILITIES**

- CONTRACTOR TO EXCAVATE AROUND WATER METER BOX (CITY PROPERTY SIDE) TO DETERMINE IN ADVANCE, THE EXACT SIZE OF EACH SIZE BEFORE TAPPING MAIN.
- CITY FORCES, WHERE CALLED OUT SHALL MAKE PERMANENT CUTS & PLUGS, CONNECTIONS, ETC.
- EXISTING MAINS SHALL BE KEPT IN SERVICE IN LIEU OF HIGH-LIVING, UNLESS OTHERWISE SHOWN ON PLANS.
- THE LOCATION OF EXISTING BUILDINGS AS SHOWN ON THE PLAN ARE APPROXIMATE.
- STORM DRAIN INLETS ARE TO REMAIN FUNCTIONAL/OPERATIONAL AT ALL TIMES DURING CONSTRUCTION.
- UNLESS OTHERWISE NOTED AS PREVIOUSLY POTHOLED (PH), ALL ELEVATIONS SHOWN ON THE PROFILE FOR EXISTING UTILITIES ARE BASED ON A SEARCH OF THE AVAILABLE RECORD INFORMATION ONLY AND ARE SOLELY FOR THE CONTRACTOR'S CONVENIENCE. THE CITY IN NO WAY GUARANTEES OR WARRANTS THAT IT HAS REVIEWED ALL AVAILABLE DATA. IT IS THE CONTRACTOR'S RESPONSIBILITY TO POTHOLE ALL EXISTING UTILITIES (EITHER SHOWN ON THE PLANS OR MARKED IN THE FIELD) IN ACCORDANCE WITH THE SPECIFICATIONS (SECTION 5-1).
- CONTRACTOR SHALL NOTIFY THE RESIDENT ENGINEER IMMEDIATELY IF A ONE FOOT VERTICAL SEPARATION (FROM OUTSIDE PIPE WALL TO OUTSIDE PIPE WALL) BETWEEN SEWER AND WATER MAINS CANNOT BE MAINTAINED.
- CONTRACTOR SHALL NOTIFY THE RESIDENT ENGINEER IMMEDIATELY IF A FOUR FOOT HORIZONTAL SEPARATION (FROM OUTSIDE PIPE WALL TO OUTSIDE PIPE WALL) BETWEEN SEWER AND WATER MAINS CANNOT BE MAINTAINED.
- CONTRACTOR SHALL NOTIFY THE RESIDENT ENGINEER IMMEDIATELY IF A 6-INCH VERTICAL SEPARATION (FROM OUTSIDE PIPE WALL TO OUTSIDE PIPE WALL) BETWEEN UTILITIES OTHER THAN SEWER AND WATER MAINS CANNOT BE MAINTAINED.
- EXISTING UTILITY CROSSING AS SHOWN ON THE PLANS ARE APPROXIMATE AND ARE NOT REPRESENTATIVE OF ACTUAL LENGTH AND LOCATION OF CONFLICT AREAS. (SEE PLAN VIEW)
- CONTRACTOR TO MAINTAIN A MINIMUM 3' OF COVER OVER TOP OF WATER MAIN.

**STORM WATER PROTECTION**

- THIS PROJECT IS SUBJECT TO MUNICIPAL STORM WATER PERMIT ORDER NO. --- AND TRIGGERED ACTION PLAN (TAP) IS REQUIRED.
- THIS PROJECT WILL EXCEED THE MAXIMUM DISTURBED AREA LIMIT, THEREFORE A WEATHER TRIGGERED ACTION PLAN (TAP) IS REQUIRED.
- THIS PROJECT WILL FOLLOW PHASED GRADING NOT TO EXCEED FIVE ACRES PER PHASE.

**ABBREVIATIONS**

ABAND	ABANDON	EB	ENCASED BURIED	OVHD	OVER HEAD
ABAND'D	ABANDONED	EL	ELEV ELEVATION	PVC	POLYVINYL CHLORIDE
AC	ASBESTOS CEMENT PIPE	ELEC	ELECTRIC	PROP	PROPOSED
AND	AHEAD	EX	EXIST EXISTING	RED	REDUCER
ASSY	ASSEMBLY	E/O	EAST OF	RT	RIGHT
BK	BACK	FL	FLANGE	S	SURVEY LINE
BTM	BETWEEN	GV	GATE VALVE	SO	SOUB OUT
CATV	CABLE TV	HD	HIGH-DENSITY	S/O	SOUB OF
CI	CAST IRON PIPE	HP	HIGH PRESSURE	SWR	SEWER
C	CENTER LINE	IE	INVERT ELEVATION	TEL	TELEPHONE
COND	CONDUIT	LT	LEFT	UNK	UNKNOWN
CONT	CONTINUED	MJ	MECHANICAL JOINT	VC	VITRIFIED CLAY PIPE
CONTR	CONTRACTOR	MTD	MULTIPLE TELEPHONE	WM	WATER METER
DB	DIRECT BURIED	N/D	NORTH OF	WTR	WATER
				WD	WEST OF

**EXISTING STRUCTURES**

EX WATER MAIN & VALVES	
EX WATER METER	
EX FIRE HYDRANT	
EX SEWER MAIN & MANHOLES	
EX DRAINS	
EX PAVEMENT (PROFILE)	
EX GROUND LINE (PROFILE)	
EX TRAFFIC SIGNAL	
EX STRFTT LIGHT	
GAS MAIN	
ELEC. COND., TEL. COND., CATV	
RAILROAD, TROLLEY TRACKS	

**WARNING**

IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE.

**CITY OF SAN DIEGO  
PUBLIC WORKS PROJECT**



**FIELD DATA**

BENCHMARK: SWSP TROJAN/SHARRON, ELEVATION 367.31'  
FIELD NOTES: DAVIS, UC 618, 210-1743, WSS 800018, 7/27/2010  
FIELD BOOK: K19S, K18S, L18S, L19S  
DATUM: MEAN SEA LEVEL  
STREETS REQUIRING 6" TRENCH CAP:  
UNIVERSITY AVENUE

**100% DESIGN** G-1

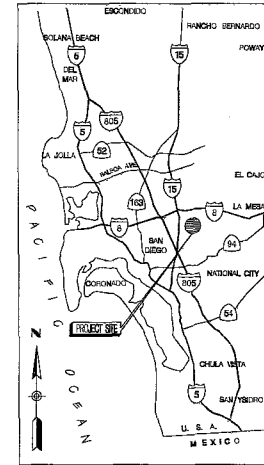
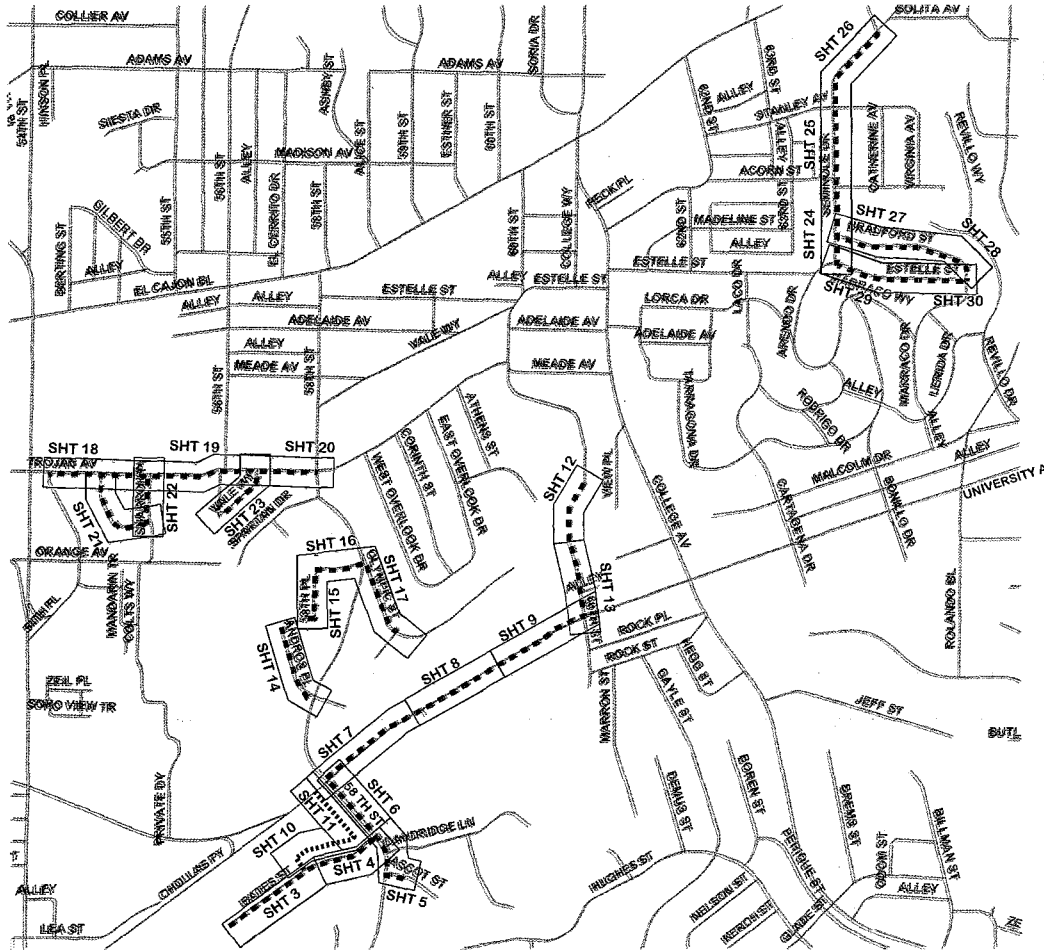
**PLANS FOR THE CONSTRUCTION OF  
WATER GROUP 616  
COVER SHEET**

AS-BUILT INFORMATION	
MATERIALS	MANUFACTURER
PIPE CL 235 (WATER)	-
PIPE SDR 35 (SEWER)	-
GATE VALVES	-
FIRE HYDRANTS	-
SEWER MANHOLES	-
REHABILITATE SEWER MANHOLES	-
REHABILITATE SEWER MAIN	-

CITY OF SAN DIEGO, CALIFORNIA ENGINEERING AND CAPITAL PROJECTS DEPARTMENT SHEET 1 OF 07 SHEETS				WATER WBS: R00018 SEWER WBS:
FOR CITY NUMBER:	DATE:	APPROXIMATE ENGINEER:		
DESCRIPTION:	BY:	APPROVED DATE:	FILED:	PROJECT ENGINEER:
ORIGINAL:				SEE SHEETS
				CONSTRUCTION
				SEE SHEETS
				COORDINATE
CONTRACTOR:	DATE STARTED:	DATE COMPLETED:	35594-01-D	
INSPECTOR:				

WATER GROUP 616

# WATER GROUP 616



VICINITY MAP  
NOT TO SCALE

**LEGEND**  
 - - - - - WATERMAIN REPLACEMENT



100% DESIGN G-1

PLANS FOR THE CONSTRUCTION OF  
 WATER GROUP 616  
 COVER SHEET LOCATION MAP

CONSTRUCTION CHANGE / ADDENDUM			WARNING
CHANGE	DATE	AFFECTED OR ADDED SHEET NUMBERS	APPROVAL NO.

IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE.

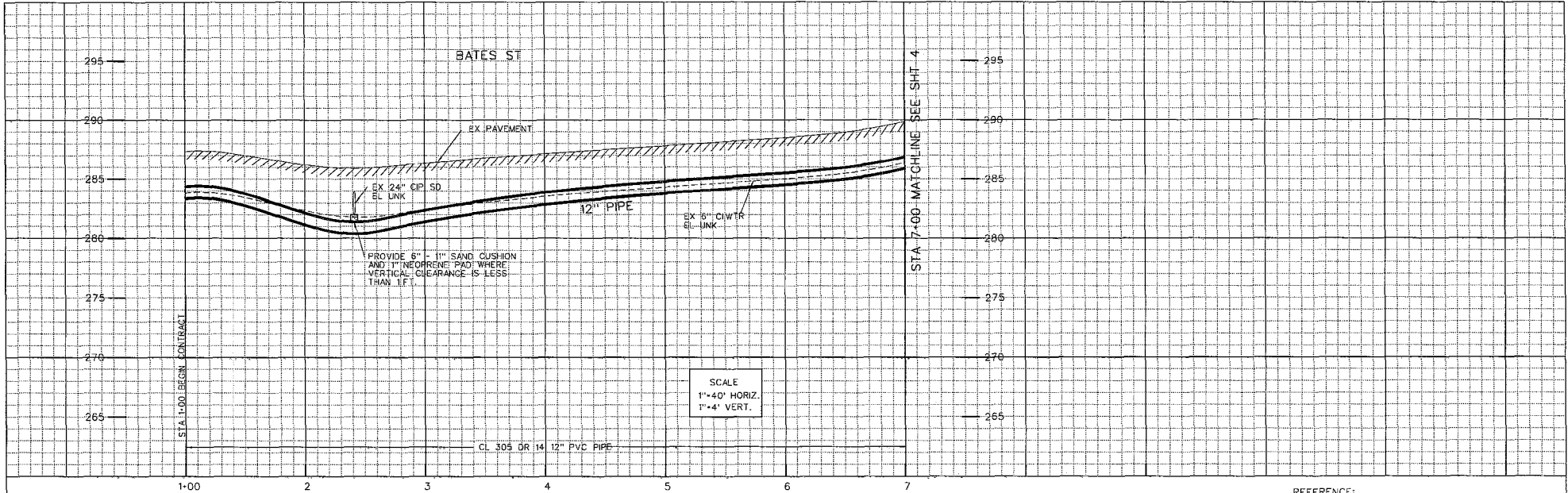
**CITY OF SAN DIEGO  
 PUBLIC WORKS PROJECT**



AS-BUILT INFORMATION	
MATERIALS	MANUFACTURER
PIPE CL. 235 (WATER)	-
PIPE SDR 35 (SEWER)	-
GATE VALVES	-
FIRE HYDRANTS	-
SEWER MANHOLES	-
REHABILITATE SEWER MANHOLES	-
REHABILITATE SEWER MAIN	-

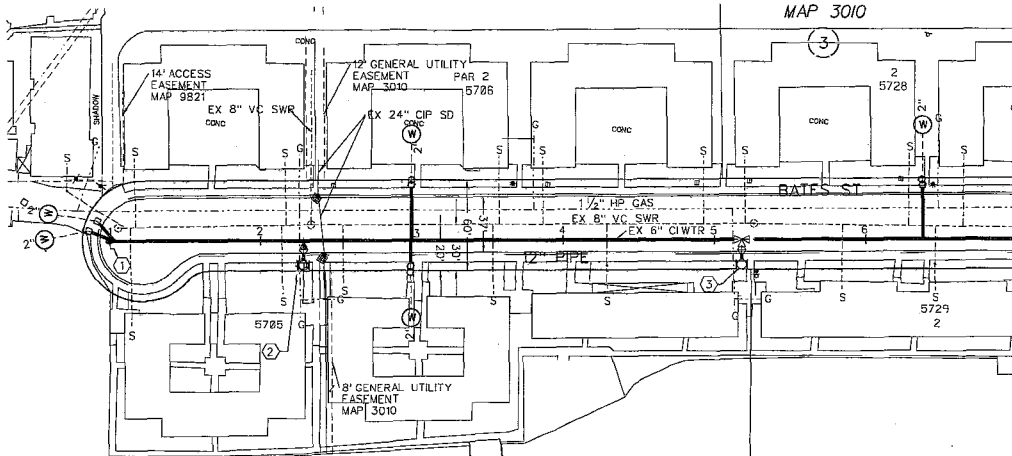
CITY OF SAN DIEGO, CALIFORNIA ENGINEERING AND CAPITAL PROJECTS DEPARTMENT				WATER SEWER
SHEETS OF SHEETS				800018
FOR CITY ENGINEER:	DATE	APPROVED	FILED	ASSIGNED ENGINEER
DESCRIPTION	BY	DATE	FILED	PROJECT ENGINEER
ORIGINAL	BT			SEE SHEETS
				COORDINATOR
				SEE SHEETS
				CONTRACTOR
CONTRACTOR	DATE STARTED	DATE COMPLETED		35594-02-D
INSPECTOR				

WATER GROUP 616



PHASE 3 THIS SHEET

BELLEVUE CENTER UNIT #2  
MAP 3010



HIGHLIGHTING NOTE:  
CITY FORCES TO HIGHLIGHT BATES STREET FROM STA 1+00 TO STA 7+00 CITY FORCES TO FURNISH HIGHLIGHT MATERIALS AND TRANSFER SERVICES.

- ① BY CONTRACTOR FURNISH AND INSTALL  
STA 1+00  
1 - 12" END CAP
- ② BY CONTRACTOR FURNISH AND INSTALL  
STA 2+28.53  
1 - 12" X 6" TEE (M, M, F)  
1 - 6" FH ASSY AND MARKER
- ③ BY CONTRACTOR FURNISH AND INSTALL  
STA 5+18.05  
1 - 12" X 6" TEE (M, M, F)  
1 - 6" FH ASSY AND MARKER

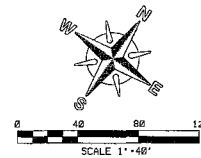
REFERENCE:  
WATER: 10763-L, 10764-L  
SEWER: 10763-L, 10764-L  
STORM DRAIN: 10763-L  
GAS: 12-716, 12-717, 12-780-D  
ELECTRIC: 210-1746, 212-1746  
CABLE TV: 212-746  
TELEPHONE: SDO5050A  
IMPROVEMENTS:  
100' SCALE FIELD BOOK: K19S  
THOMAS BROS.: 1270  
HGL: 536

RETIREMENTS:  
600' 6" CI 1953  
1 - FH (2-PORT)  
2 - 1" SERVICES  
3 - 2" SERVICES

C-1

WATER GROUP 616  
BATES STREET  
STA 1+00 TO 7+00

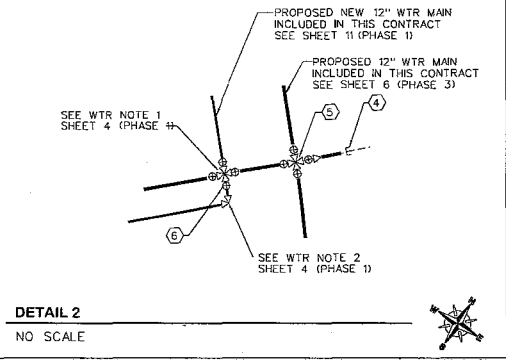
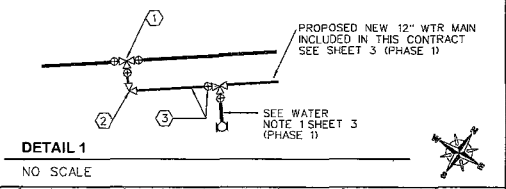
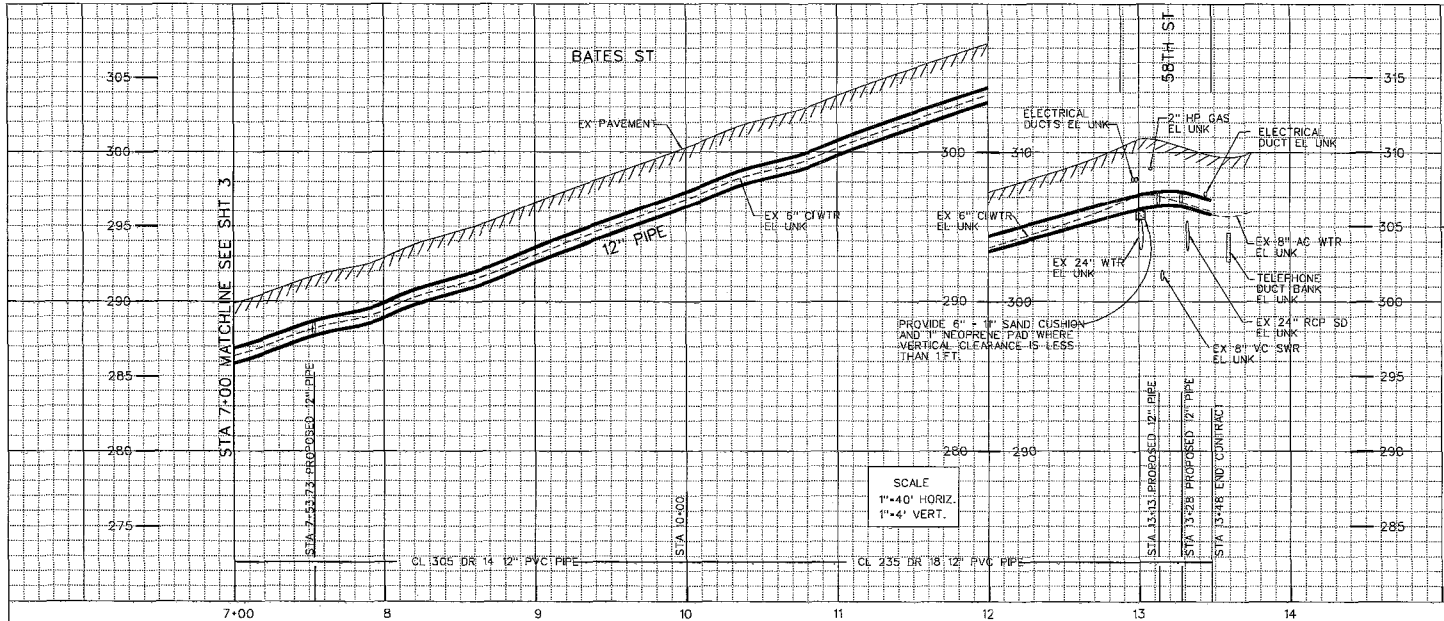
CITY OF SAN DIEGO, CALIFORNIA ENGINEERING AND CAPITAL PROJECTS DEPARTMENT SHEETS OF		WATER WATER SEWER WSS	B-00018 0-00000
DESIGNED BY	DATE	DRAWN BY	PROJECT NUMBER
Joe Myers		David S. Evans	212-1746
DATE	APPROVED	DATE	FILED
212-1746			
CONTRACTOR		DATE STARTED	35594-03-D
INSPECTOR		DATE COMPLETED	



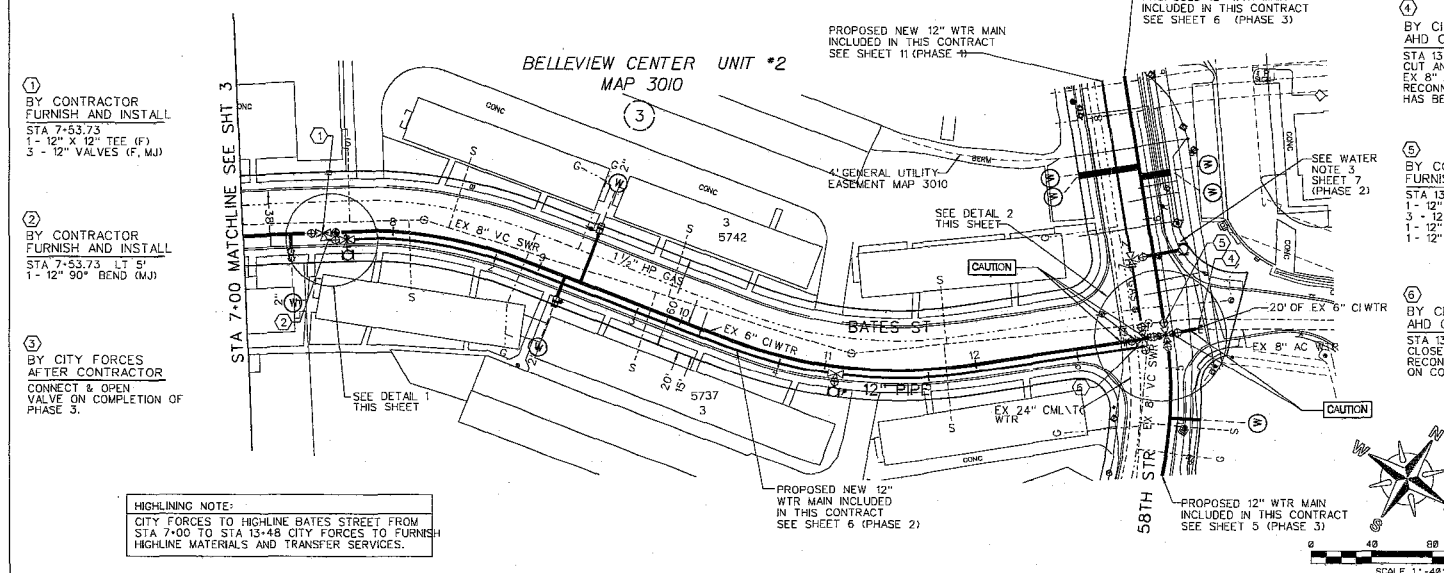
STAMP

100% DESIGN

BATES STREET



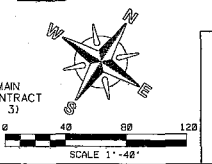
PHASE 3 THIS SHEET



- ④ BY CITY FORCES AHD OF CONTRACTOR STA 13-58 CUT AND PLUG: EX 8" AC WTR RECONNECT AFTER NEW MAIN HAS BEEN ACCEPTED.
  - ⑤ BY CONTRACTOR FURNISH AND INSTALL STA 13-28 1 - 12" X 12" CROSS (F) 3 - 12" VALVES (F, MJ) BK, RT, LT 1 - 12" VALVE (F) AND 1 - 12" X 8" REDUCER (F, MJ)
  - ⑥ BY CITY FORCES AHD OF CONTRACTOR STA 13-13 CLOSE VALVES LT, RT RECONNECT & OPEN VALVES ON COMPLETION OF PHASE 3.
- REFERENCE:**  
 WATER: 10763-L, 10764-L, 10765-L, 18215-2-D, 26400-7-D  
 SEWER: 10763-L, 10764-L  
 STORM DRAIN: 10768-L  
 GAS: 12-714, 12-716, 12-717  
 ELECTRIC: 212-1748  
 CABLE TV: 212-746  
 TELEPHONE: 500.305AC  
 IMPROVEMENTS:  
 100' SCALE FIELD BOOK: K195  
 THOMAS BROS.: 1270  
 HGL: 536
- RETIREMENTS:**  
 658" 6" CI 1953  
 1 - FH (2-PORT) 1953  
 1 - 1" SERVICE  
 2 - 2" SERVICE

<b>WATER GROUP 616</b>	
BATES STREET	
STA 7+00 TO 13+48	
CITY OF SAN DIEGO, CALIFORNIA ENGINEERING AND CAPITAL PROJECTS DEPARTMENT SHEET 04 OF SHEETS	
PROJECT NO.	B-00018
DESIGNER	Joe Myers REGISTERED ENGINEER
DATE	212-1746
DATE STARTED	06/09/00
DATE COMPLETED	06/09/00
CONTRACTOR	36594-04-D

**HIGHLINE NOTE:**  
 CITY FORCES TO HIGHLINE BATES STREET FROM STA 7+00 TO STA 13+48 CITY FORCES TO FURNISH HIGHLINE MATERIALS AND TRANSFER SERVICES.



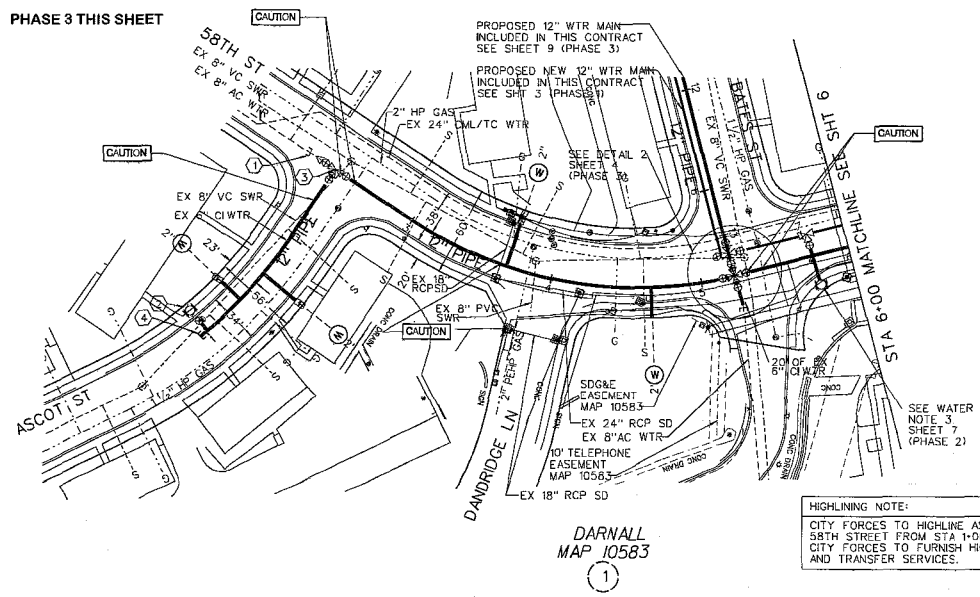
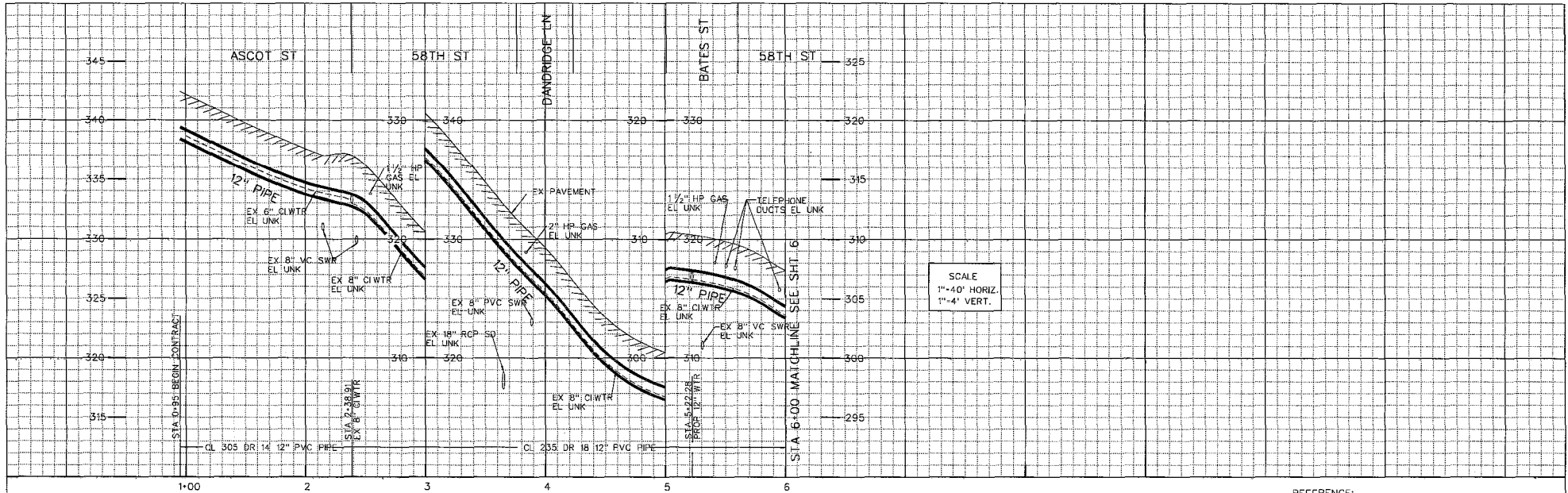
STAMP

100% DESIGN

BATES STREET

C-2



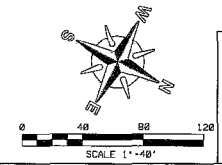


- ① BY CITY FORCES AND OF CONTRACTOR  
STA 2+38.91 LT 10.0'  
CUT AND PLUG  
EX 8" AC WTR  
RECONNECT AFTER NEW MAIN HAS BEEN ACCEPTED.
- ② BY CONTRACTOR FURNISH AND INSTALL  
STA 1+00  
1 - 12" X 6" TEE (F,MJ,M,F)  
1 - 6" FH ASSY AND MARKER
- ③ BY CONTRACTOR FURNISH AND INSTALL  
STA 2+38.91  
1 - 12" X 12" TEE (F)  
2 - 12" VALVES (F,MJ) BK, AHD  
1 - 12" VALVES (F) LT  
1 - 8" X 12" REDUCER (F,MJ)
- ④ BY CONTRACTOR FURNISH AND INSTALL  
STA 0+95  
1 - 12" END CAP

**HIGHLIGHTING NOTE:**  
CITY FORCES TO HIGHLIGHT ASCOT STREET AND 58TH STREET FROM STA 1+00 TO STA 6+00  
CITY FORCES TO FURNISH HIGHLIGHT MATERIALS AND TRANSFER SERVICES.

**REFERENCE:**  
WATER: 10762-L, 10765-L, 26400-7-D, 18215-2-D  
SEWER: 10764-L, 10765-L, 18215-2-D, 20525-5-D  
STORM DRAIN: 20525-5-D  
GAS: 12-714, 12-715  
ELECTRIC: 212-1746  
CABLE TV: 212-746  
TELEPHONE: SD0305AA, SD0305AD  
IMPROVEMENTS:  
100' SCALE/FIELD BOOK: K19S  
THOMAS BROS.: 1270  
HGL: 5.36

**RETIREMENTS:**  
144" 6" CI 1954  
361" 8" CI 1954  
2 - FH (2-PORT) 1954  
3 - 1" SERVICES  
1 - 2" SERVICE

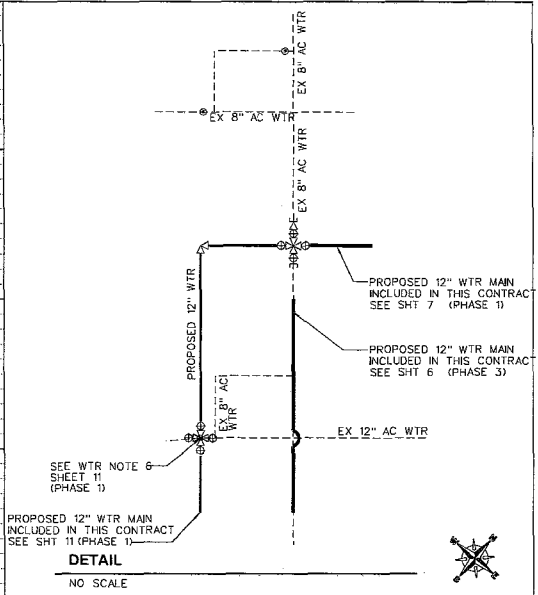
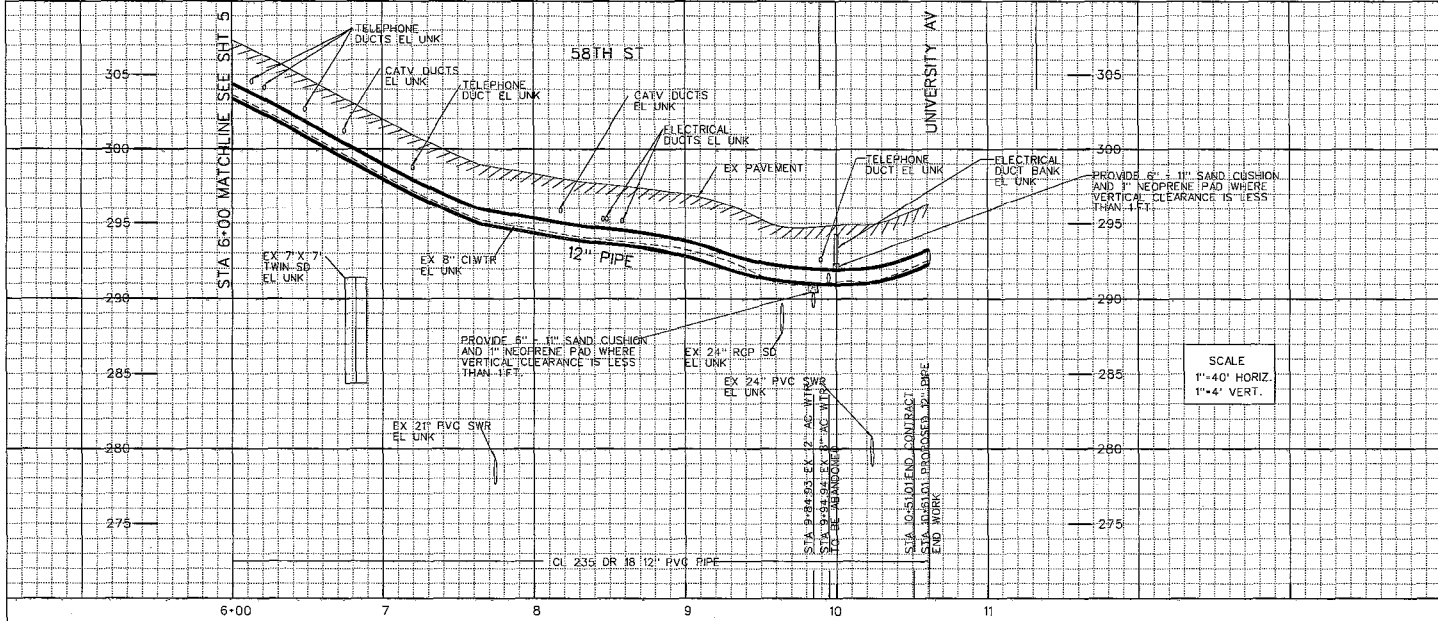


<b>WATER GROUP 616</b>		WATER NOS B-00018
<b>ASCOT &amp; 58TH STREET</b>		SEWER NOS 0-00000
STA 1+00 TO 6+00		
CITY OF SAN DIEGO, CALIFORNIA ENGINEERING AND CAPITAL PROJECTS DEPARTMENT SHEET 3 OF 3 SHEETS		Drawn by <b>Jon Myers</b> PROJECT ENGINEER
FOR CITY ENGINEER:	DATE	DATE
DESCRIPTION	BY	APPROVED
ORIGINAL	OSC	
		212-1746 COSP COORDINATE
		0000000-0000000 COSP COORDINATE
CONTRACTOR	DATE STARTED	35594-05-D
INSPECTOR	DATE COMPLETED	

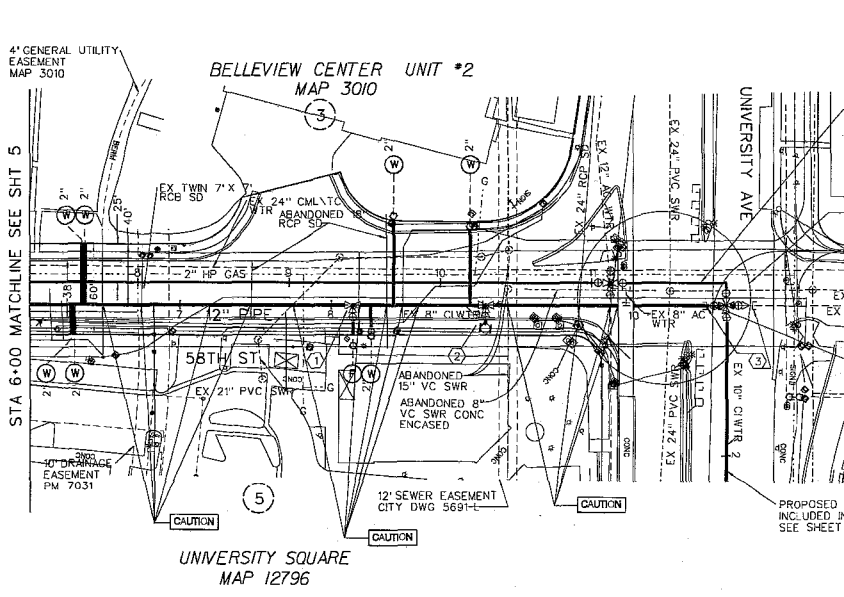
**100% DESIGN**

ASCOT & 58TH STREET

C-3



PHASE 3 THIS SHEET

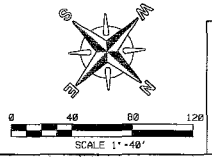


**HIGHLIGHTING NOTE:**  
CITY FORCES TO HIGHLIGHT 58TH STREET FROM STA 6+00 TO STA 10+61 CITY FORCES TO FURNISH HIGHLIGHT MATERIALS AND MATERIALS AND TRANSFER SERVICES.

- 1 BY CONTRACTOR FURNISH AND INSTALL  
STA 8+14.04  
1 - 12" x 6" TEE (MJ, MJ, F)  
1 - 6" VALVE (F, MJ) RT
- 2 BY CONTRACTOR FURNISH AND INSTALL  
STA 9+02.22  
1 - 12" x 6" TEE (MJ, MJ, F)  
1 - 6" FH ASSY AND MARKER
- 3 BY CITY FORCES AFTER CONTRACTOR  
STA 10+51.01  
RECONNECT & OPEN VALVES ON COMPLETION OF PHASE 3.

**REFERENCE:**  
WATER: 26400-7-D, 26400-8-D, 10764-L  
SEWER: 10764-L, 10765-L, 10766-L, 34647-4-D  
STORM DRAINS: 20525-3-D, 2372-D, 4142-D  
GAS: 12-714, 12-715, 12-708  
ELECTRIC: 212-1748  
CABLE TV: 212-7148  
TELEPHONE: SD0305AA, SD0305AD  
IMPROVEMENTS:  
100' SCALE FIELD BOOK: K195  
THOMAS BROS.: 1270  
HGL: 536

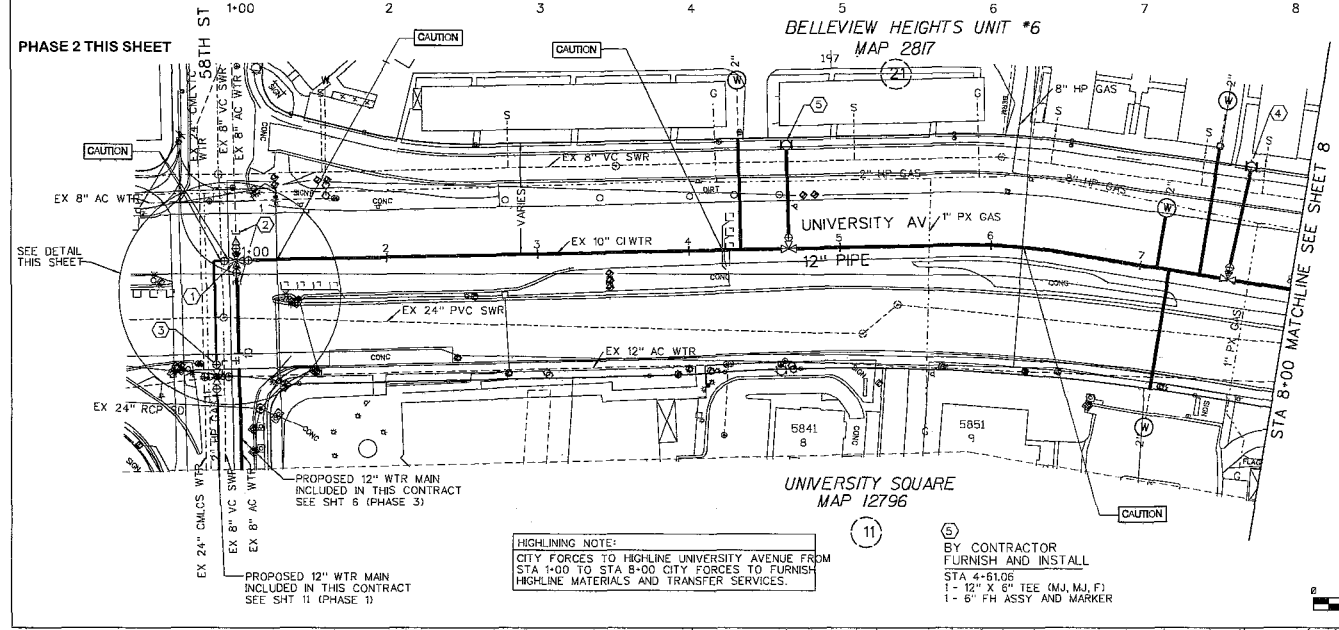
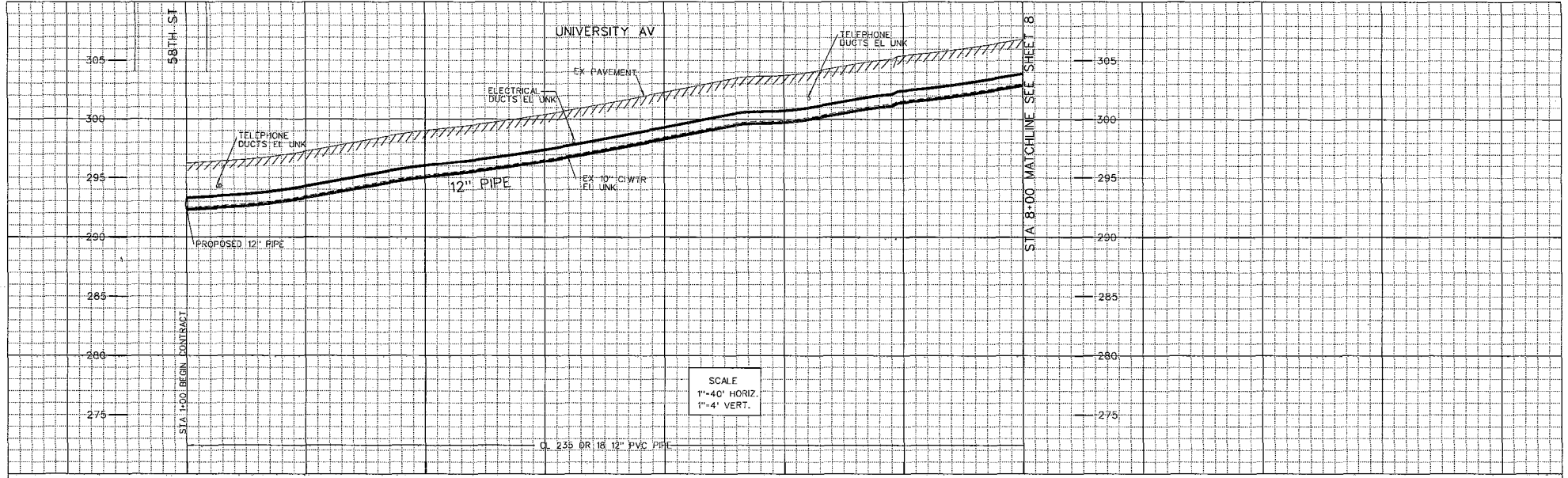
**RETIREMENTS:**  
45' 8" CI 1953  
1 - FH (2-PORT)  
2 - 1" SERVICES  
4 - 2" SERVICES  
2 - 6" FS



STAMP

C-4		<b>WATER GROUP 616</b>		WATER SHEET: B-0001B
58TH STREET		STA 6+00 TO 10+61.01		SEWER SHEET: 0-00000
CITY OF SAN DIEGO, CALIFORNIA ENGINEERING AND CAPITAL PROJECTS DEPARTMENT SHEET 6 OF SHEETS				DATE: 212-1746
JOB CITY ENGINEER:	DATE:	APPROVED:	DATE:	FILED:
DESCRIPTION:	BY:	DATE:	DATE:	DATE:
ORIGINAL:	USE:			
CONTRACTOR:	DATE STARTED:	DATE COMPLETED:		
INSPECTOR:				

58TH STREET



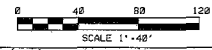
- ① BY CONTRACTOR FURNISH & INSTALL  
 STA 1+00.00  
 1 - 12" X 12" CROSS (F)  
 3 - 12" VALVES (F,M) BK, AHD, RT  
 1 - 12" VALVE (F) LT  
 1 - 12" X 8" REDUCER (F,M) LT  
 CLOSE VALVES LT, RT.
- ② BY CITY FORCES AHD OF CONTRACTOR  
 STA 1+00 LT 10', RT 10'  
 CUT & PLUG  
 EX 8" AC WTR
- ③ BY CITY FORCES AFTER CONTRACTOR  
 OPEN VALVE ON COMPLETION OF PHASE 2
- ④ BY CONTRACTOR FURNISH AND INSTALL  
 STA 7+58.44  
 1 - 12" X 6" TEE (M,J,M,F)  
 1 - 6" FH ASSY AND MARKER

REFERENCE:  
 WATER: 9933-L, 4154B-D, 11354-1-D, 26400-8-D  
 SEWER: 9933-L, 28473-21-D,  
 STORM DRAIN: 34647-6-D, 34647-4-D, 4144-D  
 GAS: 12-708  
 ELECTRIC: 212-1746  
 CABLE TV: 212-7446  
 TELEPHONE: S00505B, S00305AA  
 IMPROVEMENTS:  
 100' SCALE FIELD BOOK: K195  
 THOMAS BROS.: 1270  
 HGL: 536

RETIREMENTS:  
 700' 10" CI 1953  
 1-FH (2-PORT) 1953  
 1 - 1" SERVICE  
 3 - 2" SERVICE

HIGHLIGHTING NOTE:  
 CITY FORCES TO HIGHLIGHT UNIVERSITY AVENUE FROM STA 1+00 TO STA 8+00 CITY FORCES TO FURNISH HIGHLIGHT MATERIALS AND TRANSFER SERVICES.

⑤ BY CONTRACTOR FURNISH AND INSTALL  
 STA 4+61.06  
 1 - 12" X 6" TEE (M,J,M,F)  
 1 - 6" FH ASSY AND MARKER



**C-5**

**WATER GROUP 616**  
**UNIVERSITY AVENUE**  
 STA 1+00 TO 8+00

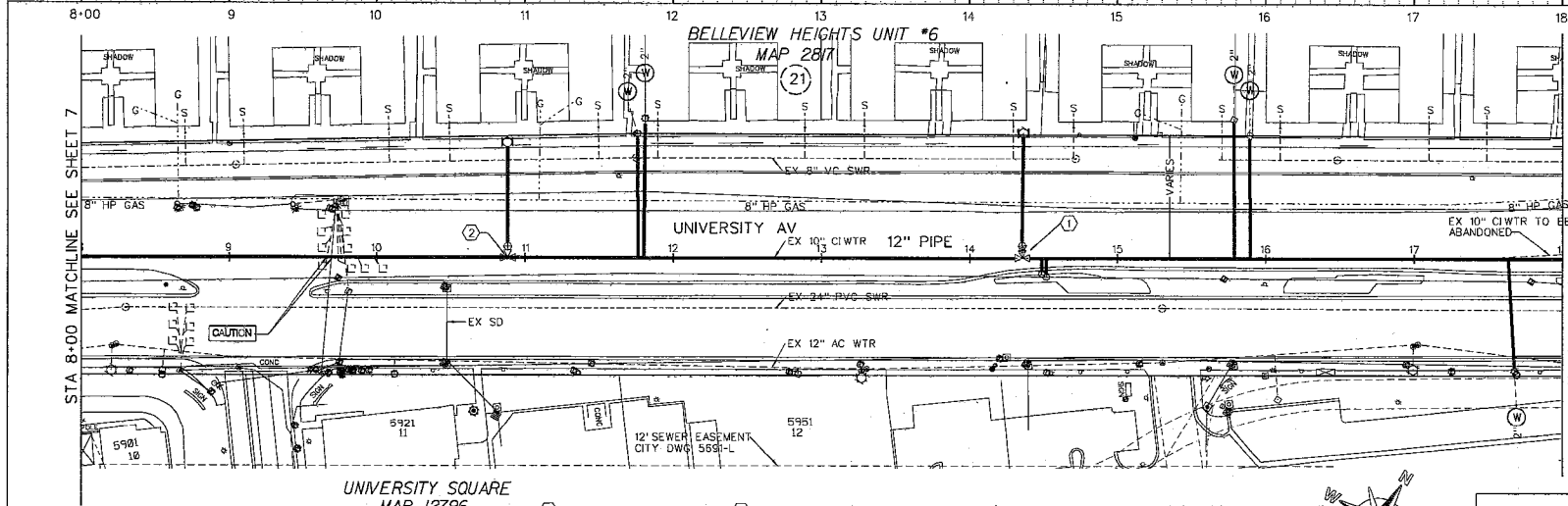
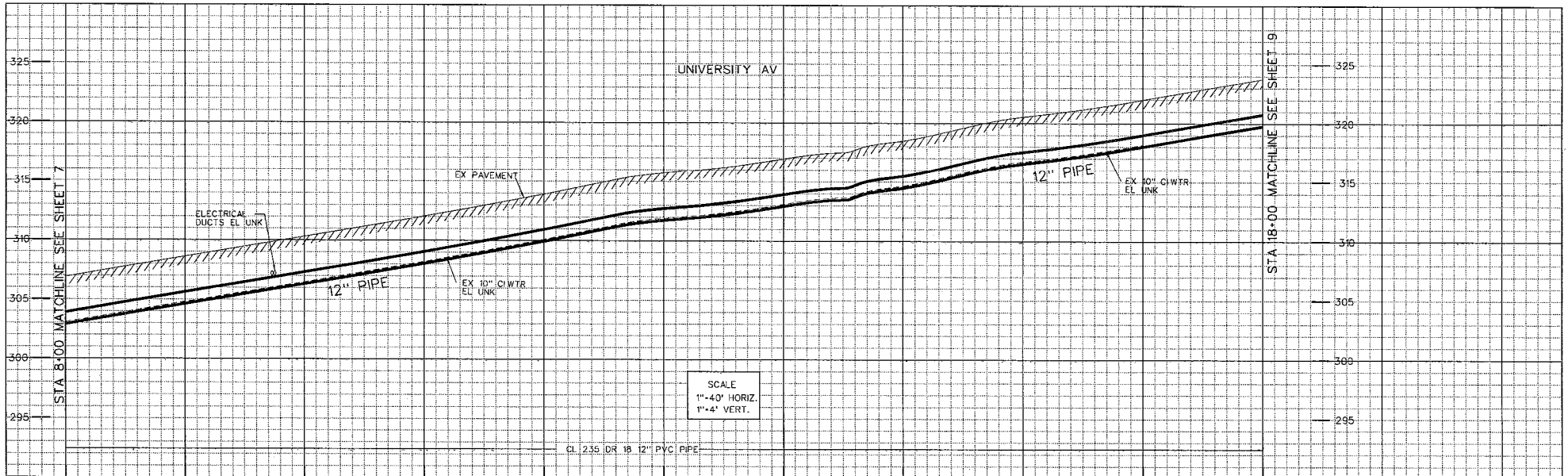
CITY OF SAN DIEGO, CALIFORNIA  
 ENGINEERING AND CAPITAL PROJECTS DEPARTMENT  
 SHEET 7 OF 7 SHEETS

FOR CITY ENGINEER:	DATE:	DATE:	DATE:	DATE:	DATE:	DATE:	DATE:	DATE:	DATE:
DESCRIPTION	BY	APPROVED	DATE	FILED					
ORIGINAL	USE								

CONTRACTOR: DATE STARTED: 35594-07-D  
 INSPECTOR: DATE COMPLETED:

100% DESIGN

UNIVERSITY AV



STA 8+00 MATCHLINE SEE SHEET 7

STA 18+00 MATCHLINE SEE SHEET 9

UNIVERSITY AV

SCALE  
1"=40' HORIZ.  
1"=4' VERT.

CL 235 DR 18 12" PVC PIPE

REFERENCE:  
WATER: 9933-L, 9934-L, 41548-D  
SEWER: 28473-22-D, 9933-L, 9934-L  
STORM DRAIN:  
GAS: 12-706, 12-671  
ELECTRIC: 212-1746  
CABLE TV: 212-746  
TELEPHONE: S00503C, S00303D  
IMPROVEMENTS:  
100 SCALE/FIELD BOOK: K19S  
THOMAS BROS.: 1270  
HGL: 536

RETIREMENTS:  
1000' 10" CI 1953  
1 - FH (2-PORT)  
3 - 1" SERVICE  
2 - 2" SERVICE

6

WATER GROUP 616  
UNIVERSITY AVENUE  
STA 8+00 TO 18+00

CITY OF SAN DIEGO, CALIFORNIA  
ENGINEERING AND CAPITAL PROJECTS DEPARTMENT  
SHEET NO. OF SHEETS

WATER WBS: B-00018  
SEWER WBS: 0-00000

FOR CITY EMPLOYEES: DATE FILMED

DESCRIPTION BY APPROVED DATE

ORIGINAL DATE

CONTRACTOR: DATE STARTED: 35594-08-D  
INSPECTOR: DATE COMPLETED:

PHASE 2 THIS SHEET

1  
BY CONTRACTOR  
FURNISH AND INSTALL  
STA 14+35.80  
1 - 12" X 6" TEE (MJ, MJ, F)  
1 - 6" FH ASSY AND MARKER

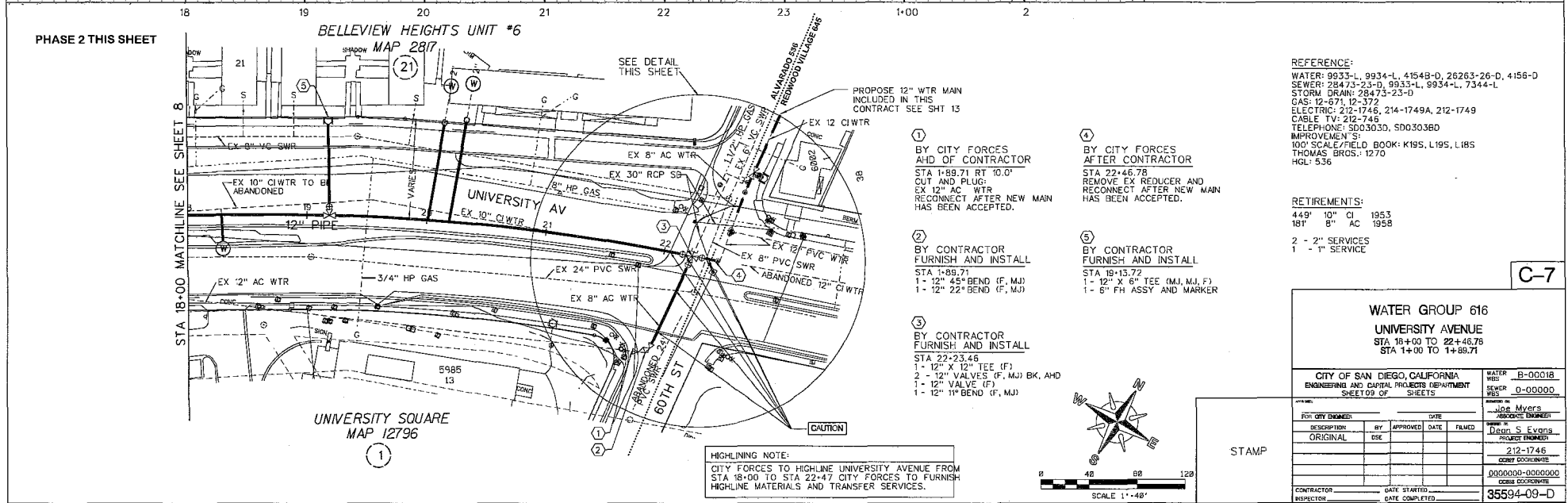
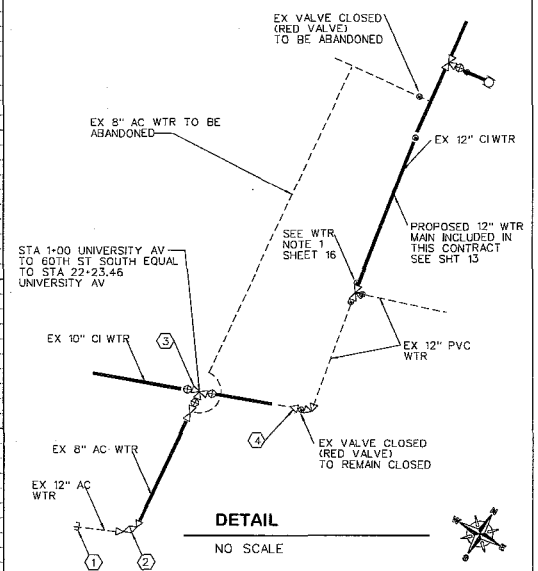
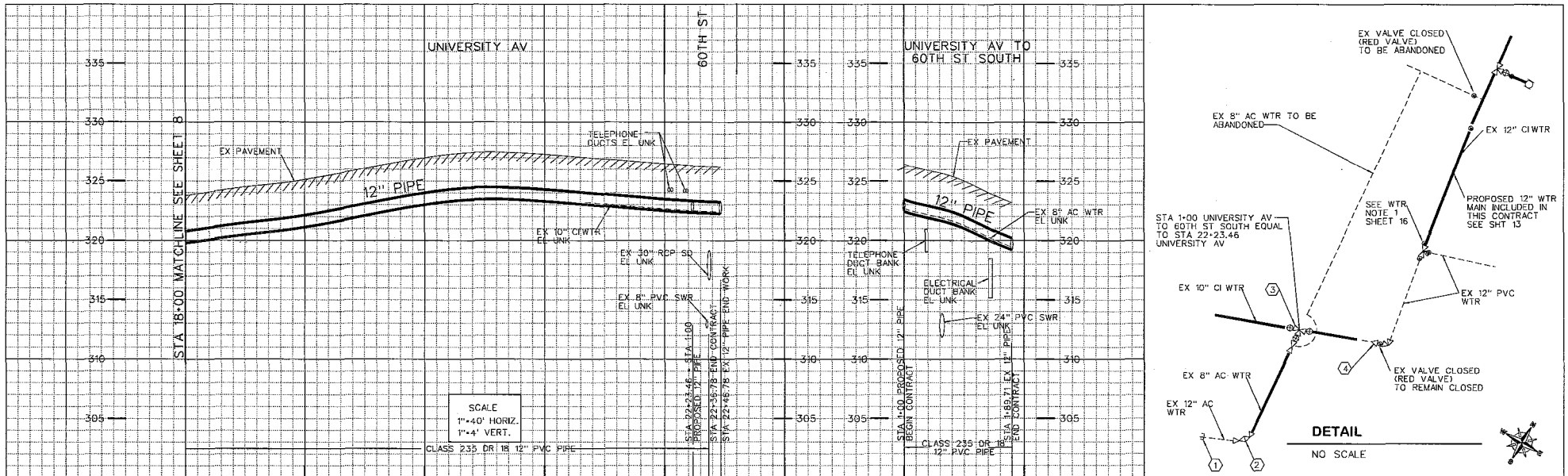
2  
BY CONTRACTOR  
FURNISH AND INSTALL  
STA 10+88.37  
1 - 12" X 6" TEE (MJ, MJ, F)  
1 - 6" FH ASSY AND MARKER

HIGHLINING NOTE  
CITY FORCES TO HIGHLINE UNIVERSITY AVENUE FROM STA 8+00 TO STA 18+00 CITY FORCES TO FURNISH HIGHLINE MATERIALS AND TRANSFER SERVICES.

STAMP

SCALE 1"=40'

UNIVERSITY AV



REFERENCE:  
 WATER: 9933-L, 9934-L, 4154B-D, 26263-26-D, 4156-D  
 SEWER: 28473-23-D, 9933-L, 9934-L, 7344-L  
 STORM DRAIN: 28473-23-D  
 GAS: 12-671, 12-372  
 ELECTRIC: 212-1746, 214-1749A, 212-1749  
 CABLE TV: 212-745  
 TELEPHONE: SD03030, SD030360  
 IMPROVEMENTS:  
 100' SCALE/FIELD BOOK: K195, L195, L185  
 THOMAS BROS.: 1270  
 HGL: 536

RETIREMENTS:  
 449' 10" CI 1953  
 181' 8" AC 1958  
 2 - 2" SERVICES  
 1 - 1" SERVICE

- ① BY CITY FORCES AHD OF CONTRACTOR  
 STA 1+89.71 RT 10.0'  
 CUT AND PLUG;  
 EX 12" AC WTR  
 RECONNECT AFTER NEW MAIN HAS BEEN ACCEPTED.
- ② BY CONTRACTOR FURNISH AND INSTALL  
 STA 1+89.71  
 1 - 12" 45° BEND (F, M, J)  
 1 - 12" 22° BEND (F, M, J)
- ③ BY CONTRACTOR FURNISH AND INSTALL  
 STA 22+23.46  
 1 - 12" X 12" TEE (F)  
 2 - 12" VALVES (F, M, J) BK, AHD  
 1 - 12" VALVE (F)  
 1 - 12" 11° BEND (F, M, J)
- ④ BY CITY FORCES AFTER CONTRACTOR  
 STA 22+46.78  
 REMOVE EX REDUCER AND RECONNECT AFTER NEW MAIN HAS BEEN ACCEPTED.
- ⑤ BY CONTRACTOR FURNISH AND INSTALL  
 STA 18+15.72  
 1 - 12" X 6" TEE (M, J, F)  
 1 - 6" FH ASSY AND MARKER

HIGHLIGHTING NOTE:  
 CITY FORCES TO HIGHLIGHT UNIVERSITY AVENUE FROM STA 18+00 TO STA 22+47 CITY FORCES TO FURNISH HIGHLIGHT MATERIALS AND TRANSFER SERVICES.

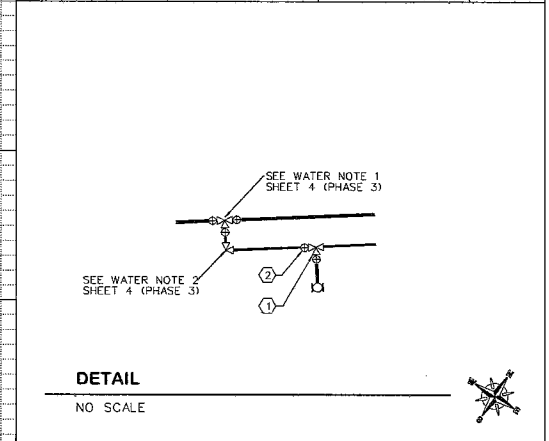
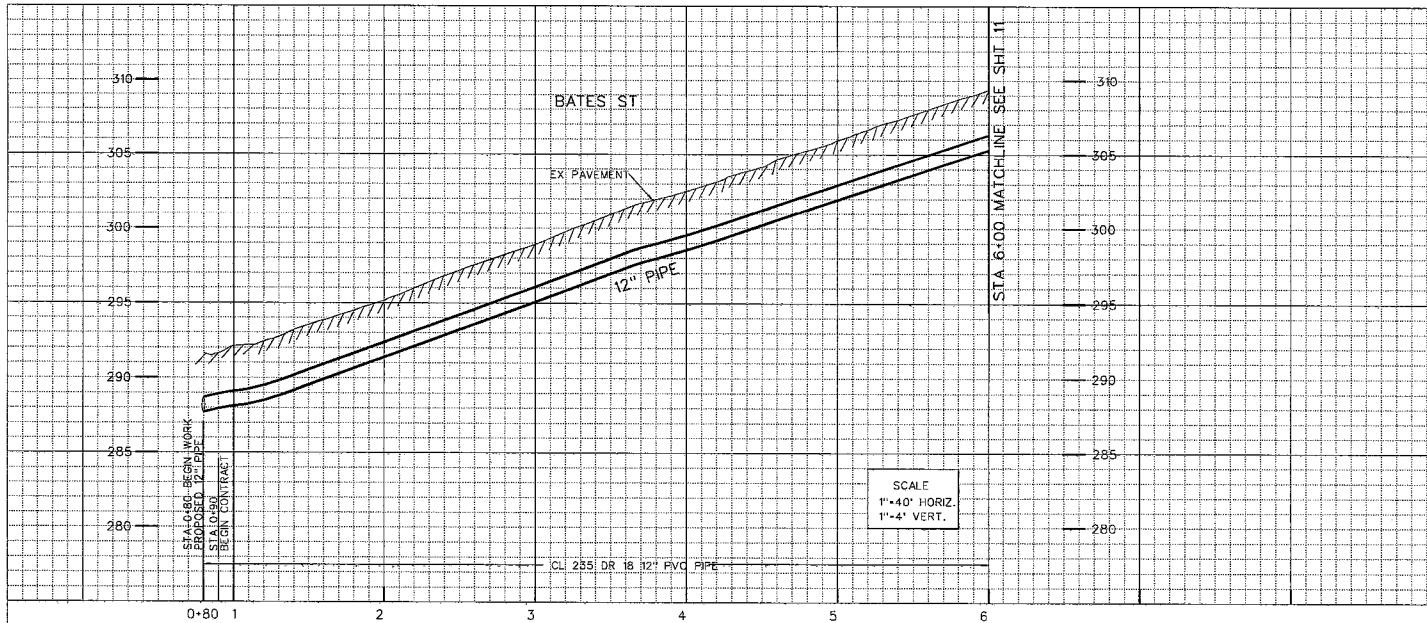
C-7

**WATER GROUP 616**  
**UNIVERSITY AVENUE**  
 STA 18+00 TO 22+46.78  
 STA 1+00 TO 1+89.71

CITY OF SAN DIEGO, CALIFORNIA  
 ENGINEERING AND CAPITAL PROJECTS DEPARTMENT  
 SHEET 09 OF SHEETS

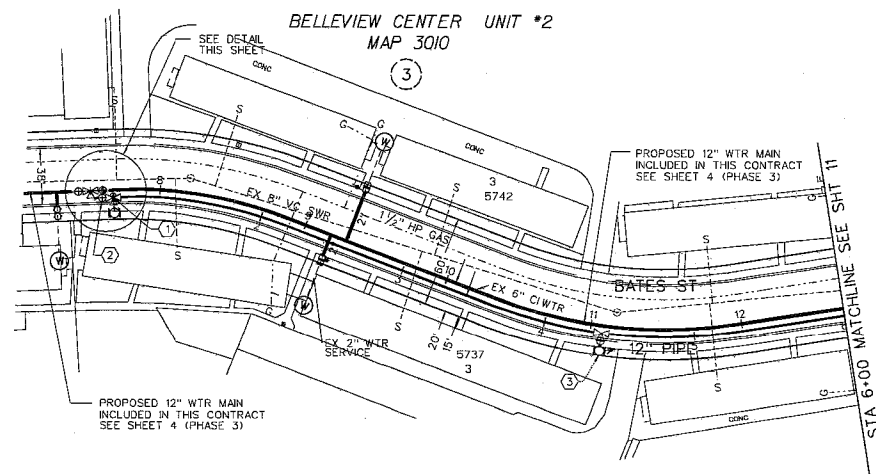
FOR CITY ENGINEER	DATE	DATE	DATE	DATE	DATE
DESCRIPTION	BY	APPROVED	DATE	FRAMED	DATE
ORIGINAL	ESC				

CONTRACTOR: **35594-09-D**  
 DATE STARTED: \_\_\_\_\_ DATE COMPLETED: \_\_\_\_\_



**DETAIL**  
NO SCALE

PHASE 1 THIS SHEET



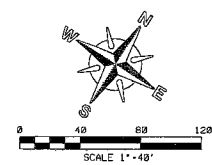
- ① BY CONTRACTOR FURNISH AND INSTALL  
STA 1+00  
1- 12" X 6" TEE (MJ, MJ, F)  
1- 6" FH ASSY AND MARKER  
1- 12" VALVE (F, MJ) BK
- ② BY CITY FORCES AFTER CONTRACTOR  
STA 1+00  
CLOSE VALVE BK AFTER NEW MAIN HAS BEEN ACCEPTED.  
(SEE ALSO WTR NOTE 2 SHEET 4)
- ③ BY CONTRACTOR FURNISH AND INSTALL  
STA 4+33.75  
1- 12" X 6" TEE (MJ, MJ, F)  
1- 6" FH ASSY AND MARKER

REFERENCE:  
WATER: 10763-L, 10764-L, 26400-7-D  
SEWER: 10763-L, 10764-L  
STORM DRAIN: 10766-L  
GAS: 12-714, 12-716, 12-717  
ELECTRIC: 212-1746  
CABLE TV: 212-746  
TELEPHONE: SD0305AA, SD0305AD  
IMPROVEMENTS:  
100' SCALE/FIELD BOOK: K195  
THOMAS BROS.: 1270  
HGL: 536

RETIREMENTS:  
NONE

C-8

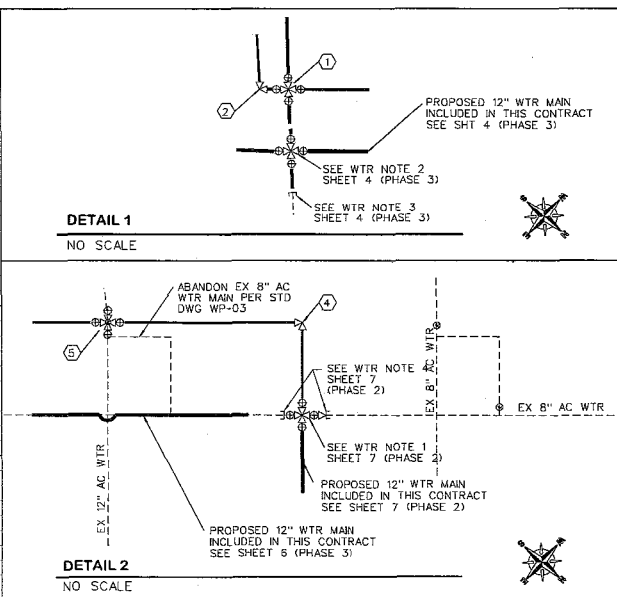
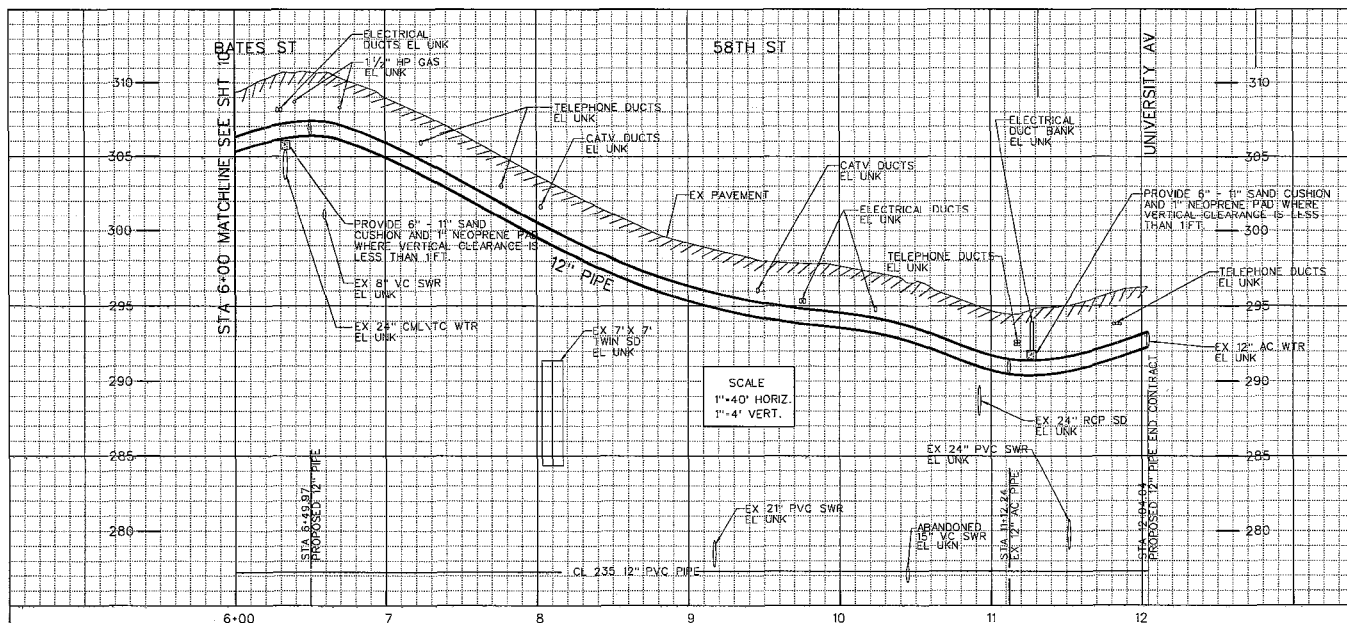
<b>WATER GROUP 616 (NEW MAIN) BATES STREET</b>				WATER NO. B-00018
STA 0+80 TO 6+00				SEWER NO. 0-00000
CITY OF SAN DIEGO, CALIFORNIA ENGINEERING AND CAPITAL PROJECTS DEPARTMENT SHEET 10 OF SHEETS				DATE 212-1746
FOR CITY ENGINEER:				DATE 00000000-00000000
DESCRIPTION	BY	APPROVED	DATE	FILED
ORIGINAL	DATE			
CONTRACTOR				DATE STARTED
INSPECTOR				DATE COMPLETED



STAMP

**100% DESIGN**

BATES ST (NEW MAIN)



① BY CITY FORCES FURNISH & INSTALL AFTER CONTRACTOR  
STA 6+48.97  
CUT IN:  
1 - 12" X 12" CROSS (F)  
4 - 12" VALVES (F, MJ)  
(SEE ALSO WTR NOTE 4 SHT 4)

② BY CONTRACTOR FURNISH AND INSTALL  
STA 6+44.97  
1 - 12" 90° BEND (MJ, MJ)

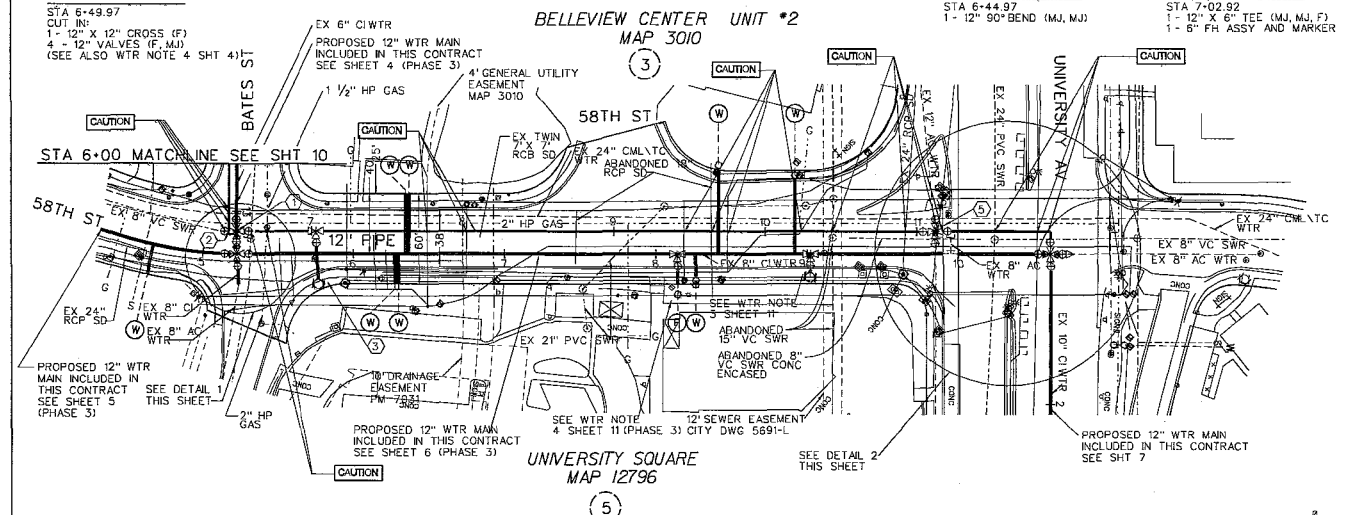
③ BY CONTRACTOR FURNISH AND INSTALL  
STA 7+02.92  
1 - 12" X 6" TEE (MJ, MJ, F)  
1 - 6" FH ASSY AND MARKER

④ BY CONTRACTOR FURNISH AND INSTALL  
STA 11+89.03  
1 - 12" 90° BEND (MJ, MJ)

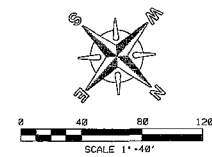
⑤ BY CITY FORCES FURNISH & INSTALL AFTER CONTRACTOR  
STA 11+12.24  
CUT IN:  
1 - 12" X 12" CROSS (F)  
4 - 12" VALVES (F, MJ)  
CLOSE VALVE AND BK  
(SEE ALSO WTR NOTE 3 SHEET 7)

REFERENCE:  
WATER: 26400-7-D, 26400-8-D, 10764-L, 10765-L, 18215-2-D  
SEWER: 10764-L, 10765-L, 10766-L, 34647-4-D  
STORM DRAIN: 20525-5-D, 2972-D, 4142-D  
GAS: 12-714, 12-715, 12-708  
ELECTRIC: 212-1746  
CABLE TV: 212-746  
TELEPHONE: SD0305AA, SD0305AD  
IMPROVEMENTS:  
100' SCALE/FIELD BOOK: K195  
THOMAS BROS.: 1270  
HGL: 536

RETIREMENTS:  
NONE



PHASE 1 THIS SHEET



STAMP

C-9

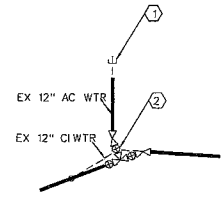
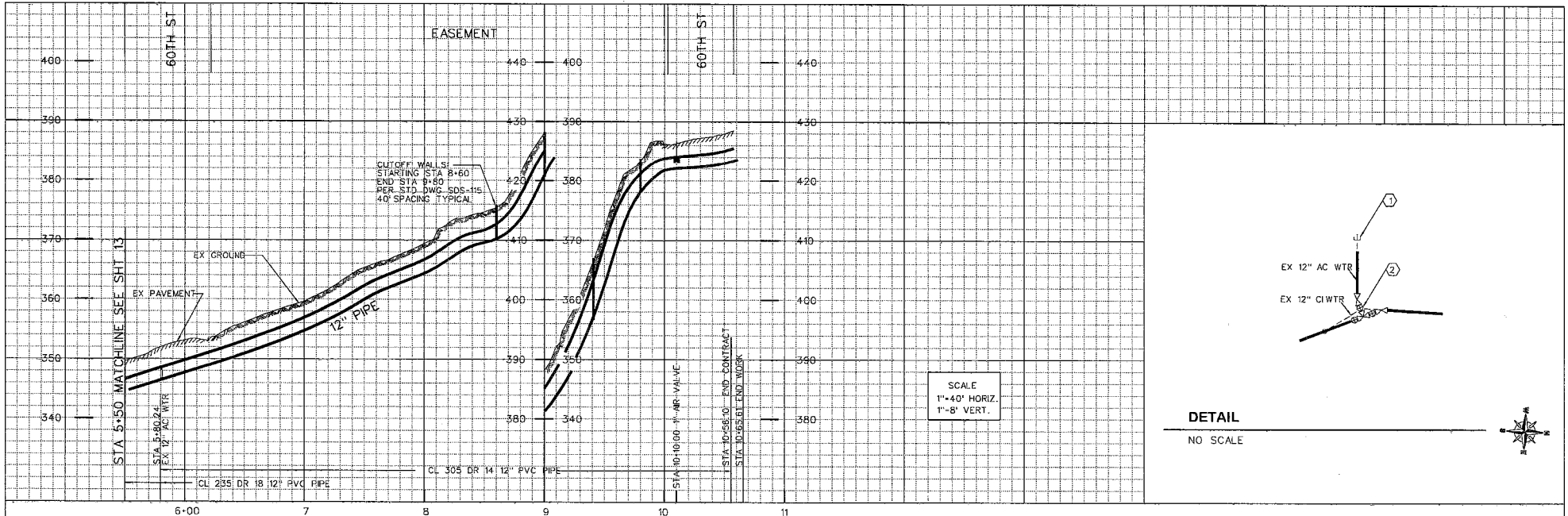
WATER GROUP 616  
(NEW MAIN) 58TH STREET  
STA 6+00 TO 12+04.04

CITY OF SAN DIEGO, CALIFORNIA  
ENGINEERING AND CAPITAL PROJECTS DEPARTMENT  
SHEET 11 OF 31 SHEETS

PROJECT NUMBER	DATE	WATER	B-00018
DESCRIPTION	BY	SEWER	0-00000
ORIGINAL	DATE	WTR	000000000
		DESIGNER	Lee Myers
		PROJECT ENGINEER	Dean S. Evans
		DATE	212-1746
		DATE	0000000-0000000
		DATE	000000000
CONTRACTOR	DATE STARTED	DATE COMPLETED	35594-11-D

100% DESIGN

58TH ST (NEW MAIN)

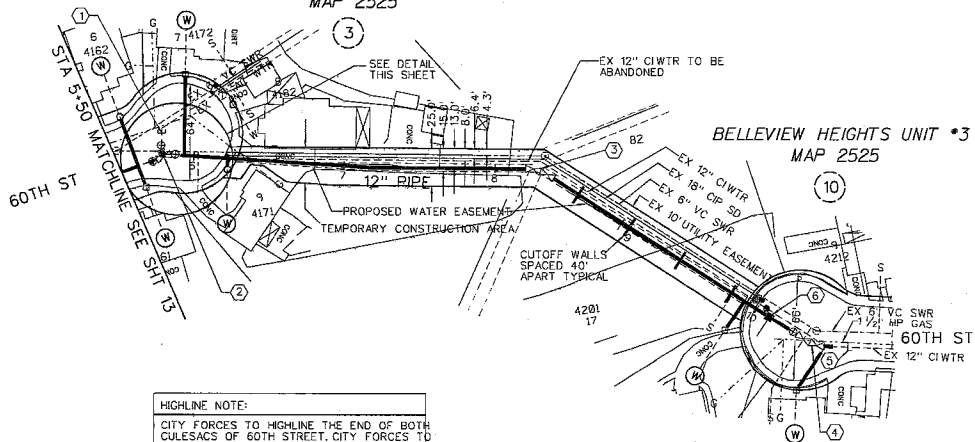


**DETAIL**  
NO SCALE

SCALE  
1"=40' HORIZ.  
1"=8' VERT.



**PHASE 6 THIS SHEET** BELLEVUE HEIGHTS UNIT #3  
MAP 2525



**HIGHLIGHT NOTE:**  
CITY FORCES TO HIGHLIGHT THE END OF BOTH CULESACS OF 60TH STREET. CITY FORCES TO FURNISH HIGHLIGHT MATERIALS AND TRANSFER SERVICES.

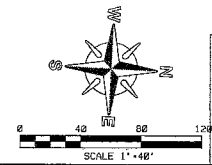
- ① BY CITY FORCES  
AHD OF CONTRACTOR  
STA 5+80.24 LT 10'  
CUT AND PLUG:  
EX 12" AC WTR  
RECONNECT AFTER NEW MAIN  
HAS BEEN ACCEPTED.
- ② BY CONTRACTOR  
FURNISH AND INSTALL  
STA 5+80.24  
1 - 12" X 12" TEE (F)  
2 - 12" VALVES (F) LT, AND  
1 - 12" VALVES (F, MJ) BK  
2 - 12" 22" BEND (F, MJ) LT, AND
- ③ BY CONTRACTOR  
FURNISH AND INSTALL  
STA 8+29.30  
1 - 12" 22" BEND (MJ, F)  
1 - 12" 11" BEND (F, MJ)
- ④ BY CONTRACTOR  
FURNISH AND INSTALL  
STA 10+46.10  
1 - 12" VALVE (F, MJ)  
1 - 12" 11" BEND (F)  
1 - 12" 22" BEND (F, MJ)
- ⑤ BY CITY FORCES  
AHD OF CONTRACTOR  
STA 10+56.10 AND 10'  
CUT AND PLUG:  
EX 12" CI WTR  
RECONNECT AFTER NEW MAIN  
HAS BEEN ACCEPTED.
- ⑥ BY CONTRACTOR  
FURNISH AND INSTALL  
STA 10+10.00  
1 - 1" AIR/VACUUM VALVE ASSY, RT

**REFERENCE:**  
WATER: 7344-L, 7345-L  
SEWER: 7344-L, 7345-L  
STORM DRAIN: 7342-L, 7347-L  
GAS: 12-5699  
ELECTRIC: 214-1749  
CABLE TV: 214-749  
TELEPHONE: SD0303BB  
IMPROVEMENTS:  
100' SCALE/FIELD BOOK: L185  
THOMAS BROS.: 1270  
HGL: 645

**RETIREMENTS:**  
506' 12" CI 1949  
6 - 1" SERVICES

C-10

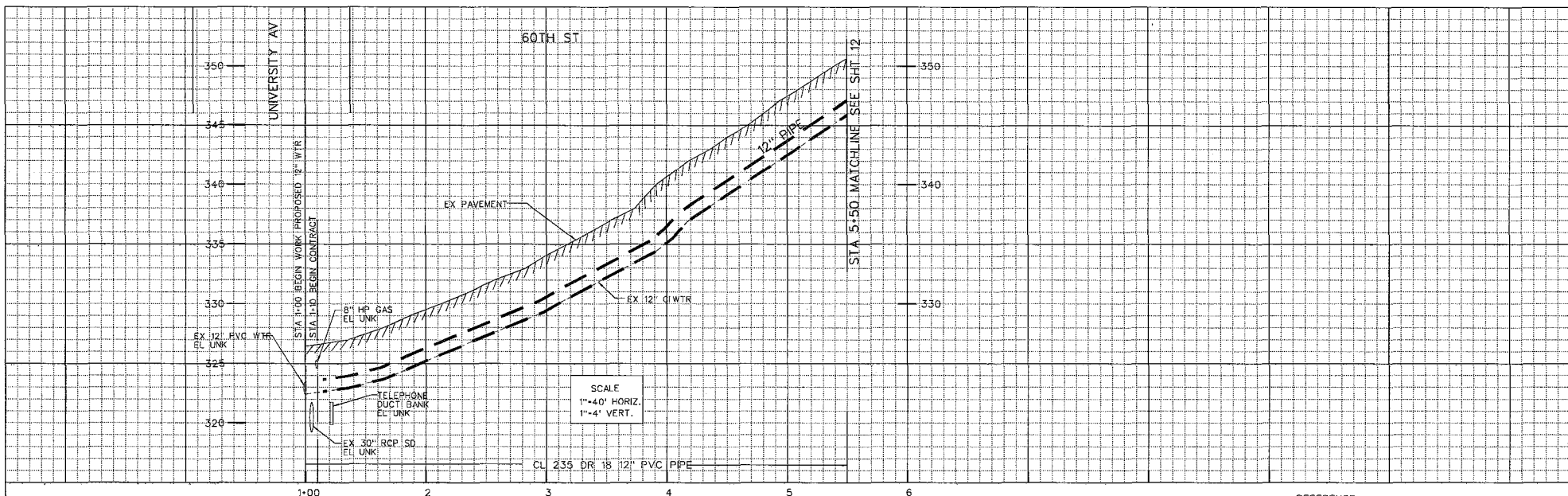
<b>WATER GROUP 616</b>				WATER WBS	B-00018
<b>EASEMENT WATER MAIN</b>					
STA 6+50 TO STA 10+56.61					
CITY OF SAN DIEGO, CALIFORNIA ENGINEERING AND CAPITAL PROJECTS DEPARTMENT SHEET 12 OF _____ SHEETS					
DATE	BY	APPROVED	DATE	FILED	BY
FOR CITY ENGINEER					Joe Myers
DESCRIPTION	BT				PROJECT ENGINEER
ORIGINAL					Don S. Evans
					PROJECT ENGINEER
					214-1749
					COORDINATOR
					COORDINATOR
					COORDINATOR
CONTRACTOR	DATE STARTED				35594-12-D
INSPECTOR	DATE COMPLETED				



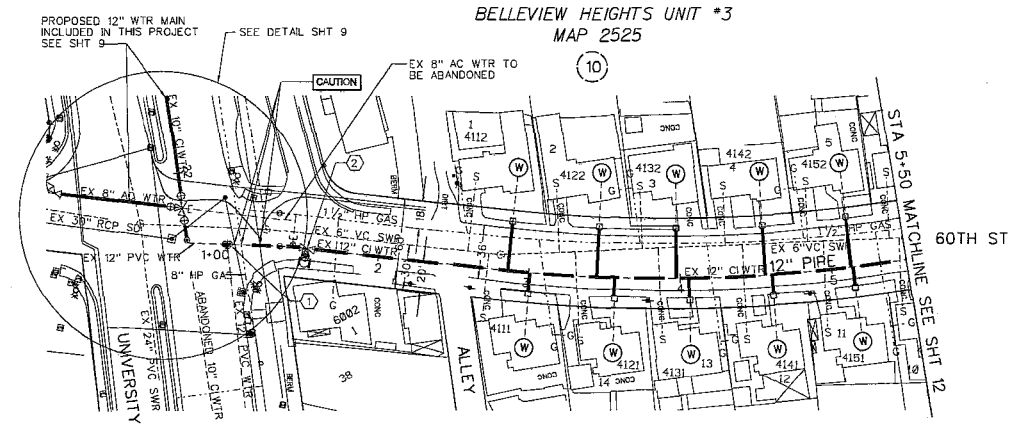
**100% DESIGN**

EASEMENT WATER MAIN





PHASE 6 THIS SHEET



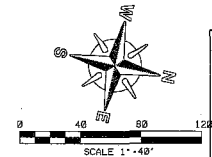
**HIGHLIGHTING NOTE:**  
 CITY FORCES TO HIGHLIGHT 60TH STREET FROM STA 1+00 TO STA 5+50  
 CITY FORCES TO FURNISH HIGHLIGHT MATERIALS AND TRANSFER SERVICES.

**CAUTION**  
 1 1/2" HP GAS CONTRACTOR TO VERIFY EXACT LOCATION AND MUST NOTIFY SDG&E THREE (3) WEEKS IN ADVANCE PRIOR TO EXCAVATION. SDG&E STANDBY MAY BE REQUIRED

- ① BY CITY FORCES FURNISH & INSTALL AND OF CONTRACTOR  
 STA 1+00  
 CLOSE EX VALVE AND RECONNECT AFTER NEW MAIN HAS BEEN ACCEPTED AND OPEN VALVE AND.
- ② BY CONTRACTOR FURNISH AND INSTALL  
 STA 1-52.87  
 1 - 12" X 6" TEE (M, M, F)  
 1 - 6" FH ASSY AND MARKER

**REFERENCE:**  
 WATER: 7344-L, 7345-L  
 SEWER: 7344-L, 7345-L  
 STORM DRAIN: 7342-L, 7347-L  
 GAS: 12-672, 12-673  
 ELECTRIC: 214-1749  
 CABLE TV: 214-749  
 TELEPHONE: SD0303BD, SD0303BB  
 IMPROVEMENTS:  
 100' SCALE/FIELD BOOK: L185  
 THOMAS BROS.: 1270  
 HGL: 645/536

**RETIREMENTS:**  
 440' 12" CI 1949  
 1 - FH (2-PORT) 1949  
 10 - 1" SERVICE

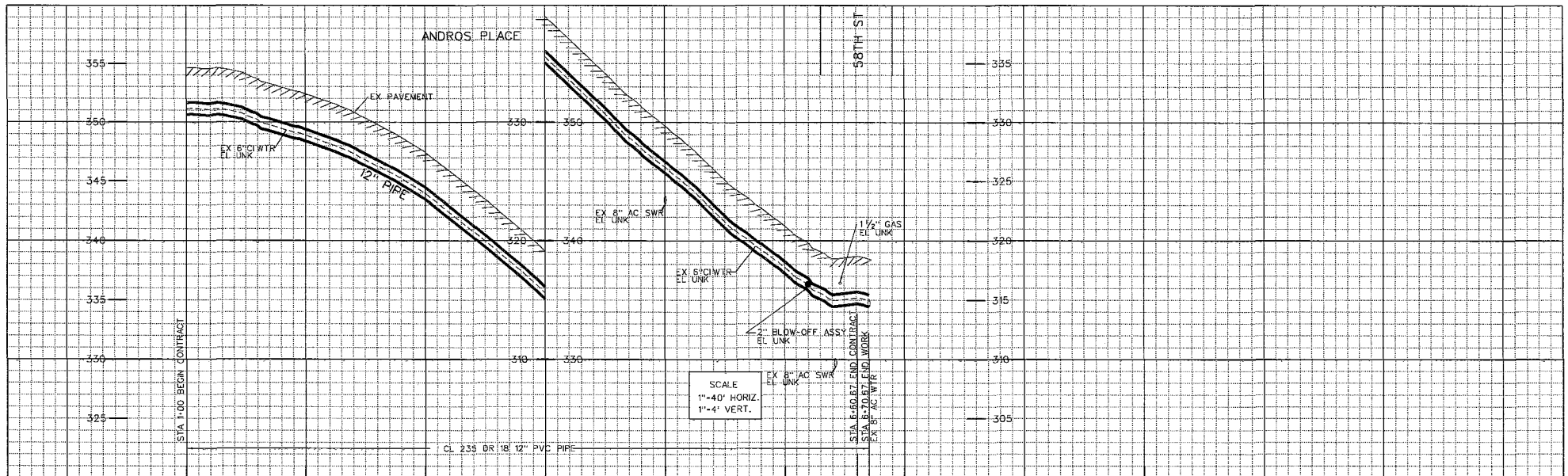


<b>WATER GROUP 616</b> 60TH STREET STA 1+00 TO 5+50		WATER MIB: B-00018 SEWER MIB:
		CITY OF SAN DIEGO, CALIFORNIA ENGINEERING AND CAPITAL PROJECTS DEPARTMENT SHEET 13 OF 15
FOR CITY ENGINEER:	DATE:	PROJECT ENGINEER:
DESCRIPTION:	BY:	APPROVED:
ORIGINAL:	BT:	DATE FILMED:
214-1749 0267 EXCAVATOR 0000000-0000000 00000000		PROJECT ENGINEER: DON S EVERTS 35594-13-D
CONTRACTOR:	DATE STARTED:	35594-13-D
INSPECTOR:	DATE COMPLETED:	

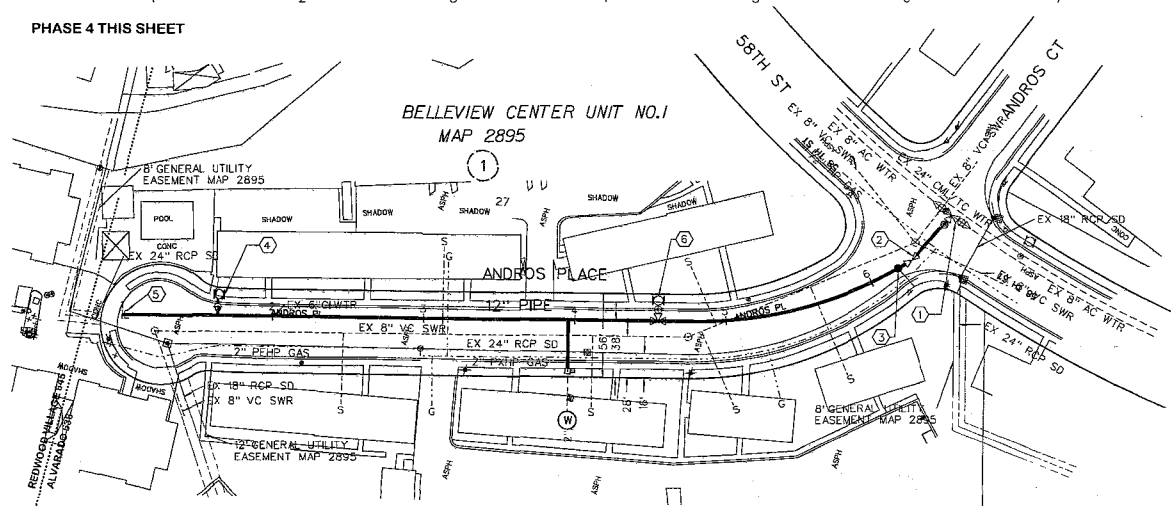
100% DESIGN

60TH STREET

C-11



PHASE 4 THIS SHEET



HIGHLIGHTING NOTE:

CITY FORCES TO HIGHLIGHT ANDROS PLACE FROM STA 1+00 TO STA 6+70 CITY FORCES TO FURNISH HIGHLIGHT MATERIALS AND TRANSFER SERVICES.

- ① BY CITY FORCES FURNISH & INSTALL AND OF CONTRACTOR STA 6+70.67 CUT IN: 1 - 12" X 12" TEE (F) 2 - 12" VALVES (F) LT, RT 1 - 12" VALVE (F, MJ) BK 2 - 8" X 12" REDUCERS (F, MJ) LT, RT CLOSE VALVE BK RECONNECT AFTER NEW MAIN HAS BEEN ACCEPTED AND OPEN VALVE BK
- ② BY CONTRACTOR FURNISH AND INSTALL STA 6+30.53 1 - 12" 11" BEND (F, MJ)
- ③ BY CONTRACTOR FURNISH AND INSTALL STA 6+19.77 1 - 2" BLOW-OFF ASSY, LT
- ④ BY CONTRACTOR FURNISH AND INSTALL STA 1+63.50 1 - 8" X 6" TEE (MJ, MJ, F) 1 - 6" FH ASSY AND MARKER

- ⑤ BY CONTRACTOR FURNISH AND INSTALL STA 1+00 1 - 12" END CAP
- ⑥ BY CONTRACTOR FURNISH AND INSTALL STA 4+54.80 1 - 8" X 6" TEE (MJ, MJ, F) 1 - 6" FH ASSY AND MARKER

REFERENCE:

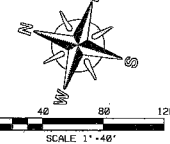
WATER: 9931-L, 9002-L, 26400-8-D  
SEWER: 9931-L, 9932-L  
STORM DRAIN: 9931-L, 9932-L, 9001-L  
GAS: 12-707, 12-707A  
ELECTRIC: 212-1746  
CABLE: TV: 212-7465  
TELEPHONE: 500503D  
IMPROVEMENTS:  
100' SCALE FIELD BOOK: K195  
THOMAS BROS.: 1270  
HGL: 536

RETIREMENTS:

57" 6" CI 1953  
1 - FH (2-PORT) 1953  
1 - 1" SERVICE

C-12

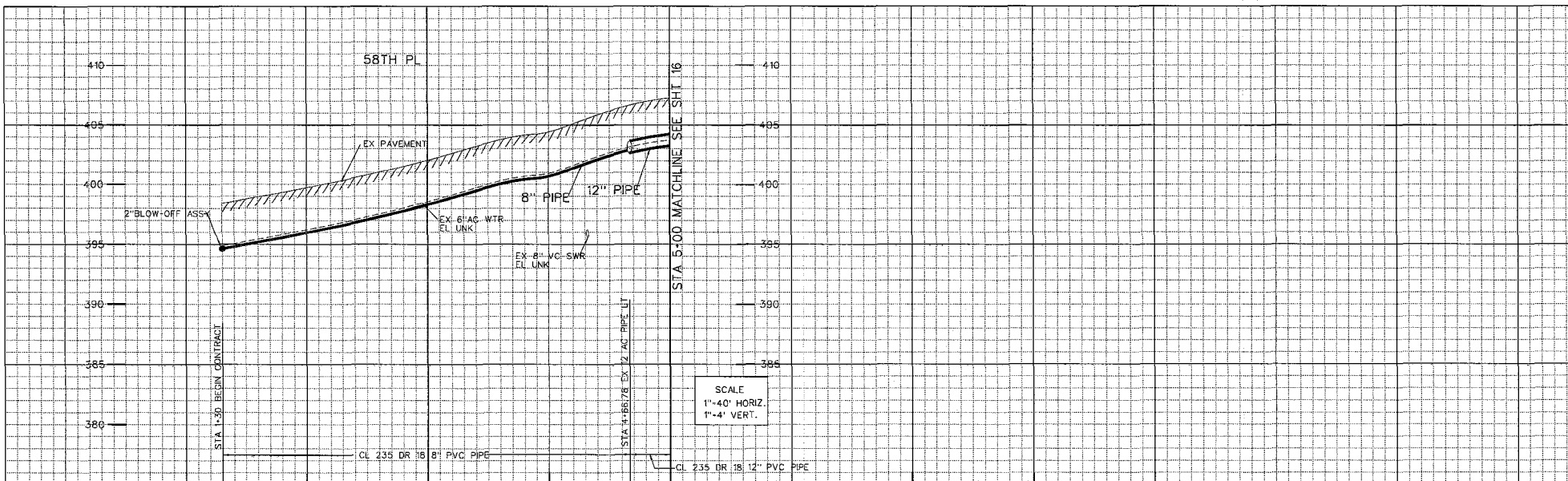
WATER GROUP 616				WATER	E-00018
ANDROS PLACE				SEWER	0-00000
STA 1+00 TO 6+70.67				DATE	0-00000
CITY OF SAN DIEGO, CALIFORNIA					
ENGINEERING AND CAPITAL PROJECTS DEPARTMENT				SHEETS	
SHEET 14 OF				SHEETS	
FOR CITY ENGINEER	DATE	ASSOCIATE ENGINEER			
DESCRIPTION	BY	APPROVED	DATE	FILED	
ORIGINAL	DSE				PROJECT ENGINEER
					212-1746
					CAD/CADD ENGINEER
					5000000-0000000
					00000000
CONTRACTOR	DATE STARTED				
INSPECTOR	DATE COMPLETED	35594-44-D			



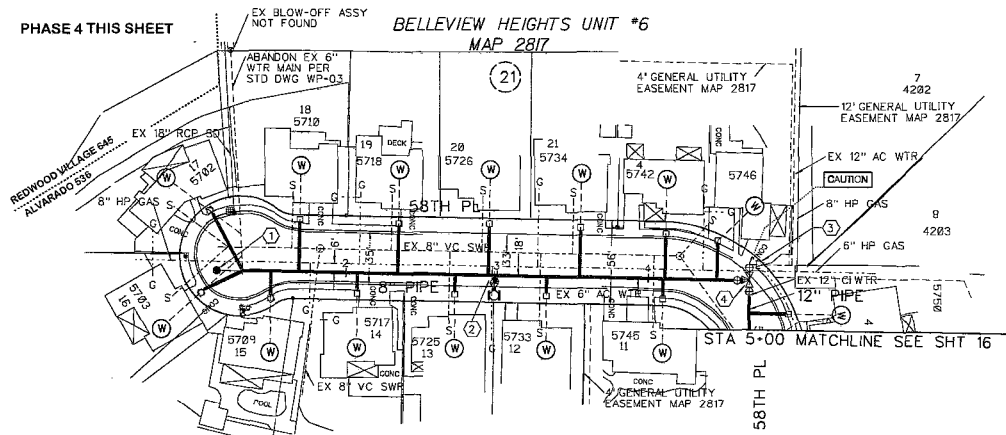
STAMP

100% DESIGN

ANDROS PLACE



PHASE 4 THIS SHEET



**HIGHLIGHTING NOTE:**  
CITY FORCES TO HIGHLIGHT 58TH PLACE FROM STA 1+00 TO STA 5+00 CITY FORCES TO FURNISH HIGHLIGHT MATERIALS AND TRANSFER SERVICES.

- ① BY CONTRACTOR FURNISH AND INSTALL STA 1+30.00 1 - 2" BLOW-OFF ASSY
- ② BY CONTRACTOR FURNISH AND INSTALL STA 2+98.00 1 - 12" X 8" TEE (M.J. M.J.) 1 - 6" FH ASSY AND MARKER
- ③ BY CITY FORCES AND OF CONTRACTOR STA 4+86.78 LT 10.0' CUT AND PLUG EX 12" AC WTR RECONNECT AFTER NEW MAN HAS BEEN ACCEPTED.
- ④ BY CONTRACTOR FURNISH AND INSTALL STA 4+86.78 1 - 12" X 8" TEE (F) 2 - 12" VALVE (F, M.J.) 1 - 8" VALVE (F, M.J.)

**REFERENCE:**

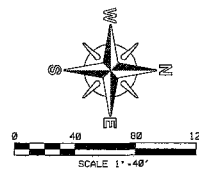
WATER: 9097-L, 9099-L  
SEWER: 9097-L, 9099-L  
STORM DRAIN: 9097-L, 9099-L  
GAS: 12-870  
ELECTRIC: 214-1746  
CABLE TV: 214-746  
TELEPHONE: 500303AC  
IMPROVEMENTS: 100' SCALE/FIELD BOOK: K18S, K19S  
THOMAS BROS.: 1270  
HGL: 645

**RETIREMENTS:**

368" 6" AC 1954  
32" 12" CI 1954  
1 - FH (2-PORT) 1954  
14 - 1" SERVICES

C-13

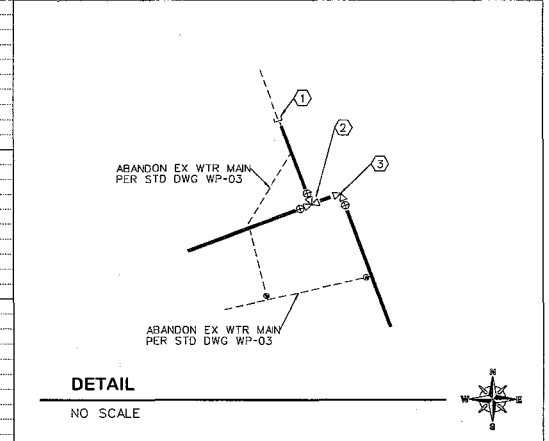
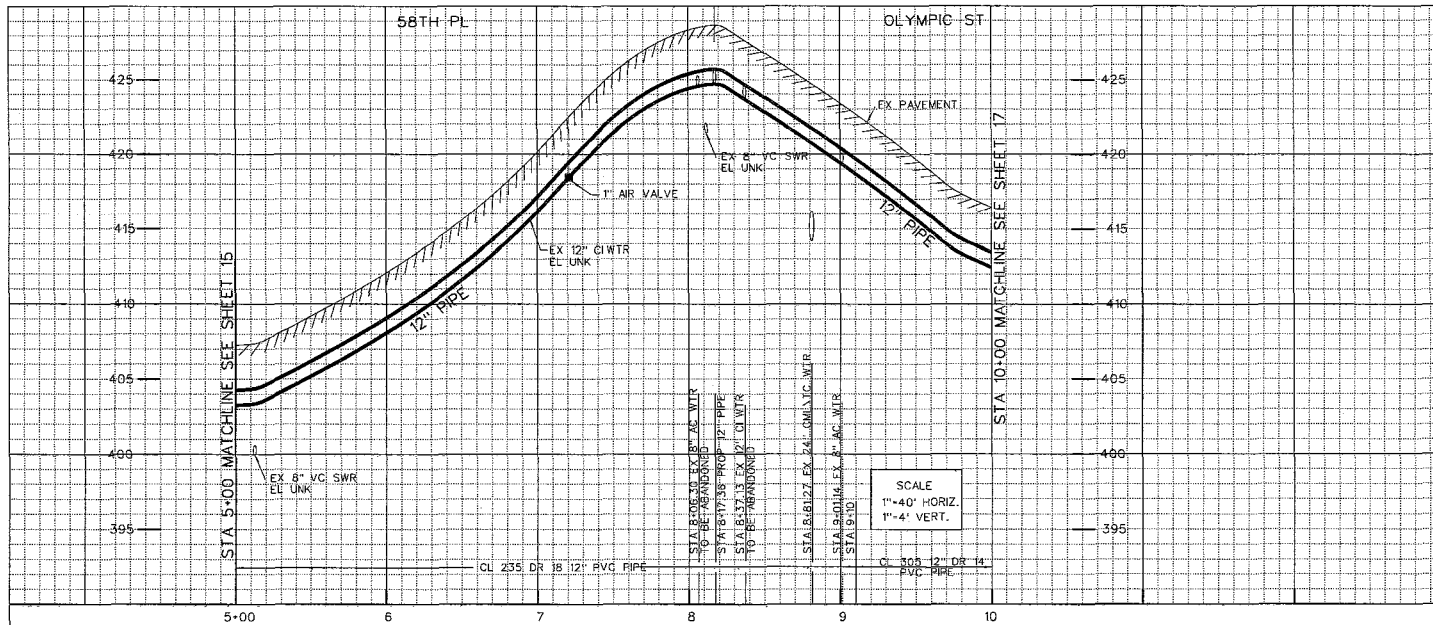
<b>WATER GROUP 616</b>		WATER	B-00018
58TH PLACE		SEWER	Q-00000
STA 1+30 TO 5+00		DATE	
CITY OF SAN DIEGO, CALIFORNIA ENGINEERING AND CAPITAL PROJECTS DEPARTMENT SHEET 15 OF SHEETS			
FOR CITY ENGINEER	DATE	DATE	DATE
DESCRIPTION	BY	APPROVED	DATE
ORIGINAL	DSE		
PROJECT ENGINEER		DATE FILED	
214-1746			
CONTRACTOR		DATE STARTED	
RESPECTOR		DATE COMPLETED	
		35594-15-D	



STAMP

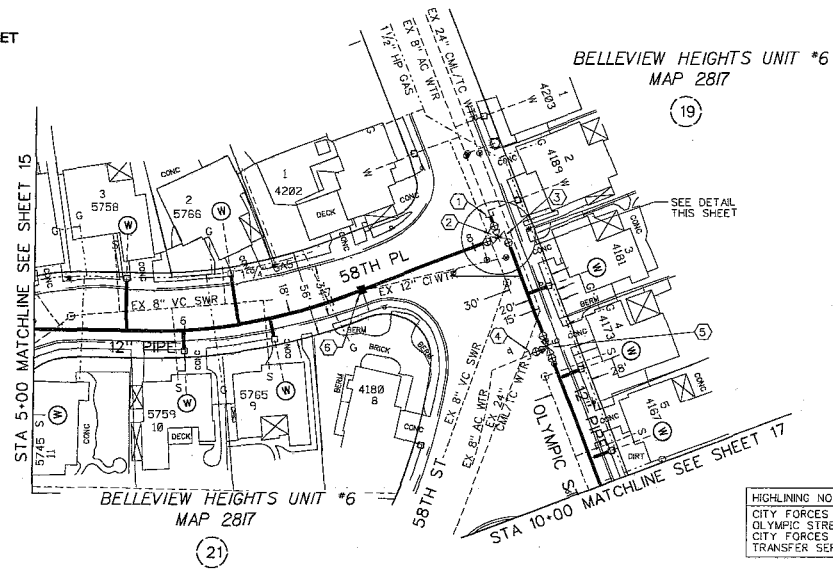
100% DESIGN

58TH PLACE



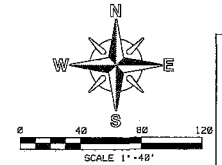
DETAIL  
NO SCALE

PHASE 4 THIS SHEET



- ① BY CITY FORCES AND OF CONTRACTOR  
STA 8+17.36 LT 15.0'  
CUT AND PLUG:  
EX 8" AC WTR  
RECONNECT AFTER NEW MAIN HAS BEEN ACCEPTED.
- ② BY CONTRACTOR FURNISH AND INSTALL  
STA 8-17.36  
1- 12" X 8" TEE (F, F, MJ)  
1- 12" VALVE (F, MJ) BK  
1- 8" VALVE (F, MJ) LT
- ③ BY CONTRACTOR FURNISH AND INSTALL  
STA 8+22.53  
1- 90° BEND (F, MJ)  
1- 12" VALVE (F, MJ) AHD
- ④ BY CITY FORCES AND OF CONTRACTOR  
STA 9+01.14 RT 10.0'  
CUT AND PLUG:  
EX 8" AC WTR  
RECONNECT AFTER NEW MAIN HAS BEEN ACCEPTED.
- ⑤ BY CONTRACTOR FURNISH AND INSTALL  
STA 9+01.14  
1- 12" X 12" TEE (F)  
2- 12" VALVE (F, MJ) BK, AHD  
1- 12" VALVE (F, MJ) RT  
1- 12"x8" REDUCER (F, MJ) RT
- ⑥ BY CONTRACTOR FURNISH AND INSTALL  
STA 7+20.79  
1- 1" AIR VALVE ASSY, RT

HIGHLIGHTING NOTE:  
CITY FORCES TO HIGHLIGHT 58TH STREET AND OLYMPIC STREET FROM STA 5+00 TO STA 10+00  
CITY FORCES TO FURNISH HIGHLIGHT MATERIALS AND TRANSFER SERVICES.



REFERENCE:  
WATER: 9097-L, 9099-L, 9002-L, 26400-9-D, 21840-3-O  
SEWER: 9097-L, 9099-L, 9002-L  
STORM DRAIN: 9097-L, 9099-L  
GAS: 12-670  
ELECTRIC: 214-1746  
CABLE TV: 214-746  
TELEPHONE: SDO303AC  
IMPROVEMENTS:  
100' SCALE/FIELD BOOK: K185  
THOMAS BROS.: 1270  
HGL: 645

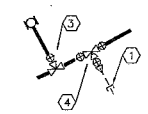
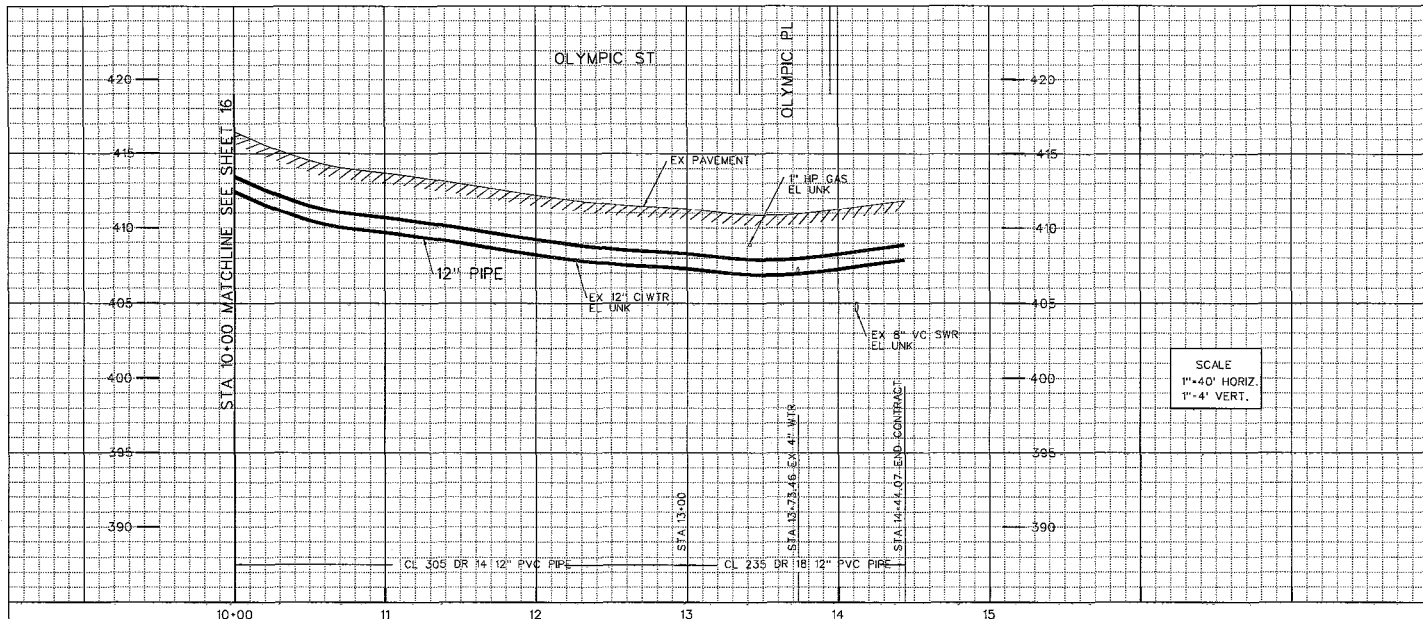
RETIREMENTS:  
487" 12" CI 1954  
7 - 1" SERVICES

C-14

<b>WATER GROUP 616</b>				WATER	B-00018
85TH PLACE & OLYMPIC				SEWER	0-00000
STA 5+00 TO 10+00				DATE	
CITY OF SAN DIEGO, CALIFORNIA				DESIGNED BY	Joe Myers
ENGINEERING AND CAPITAL PROJECTS DEPARTMENT				APPROVED BY	Dean S Evans
SHEET 16 OF				DATE	214-1746
SHEETS				PROJECT NUMBER	
DATE				DATE STARTED	0000000-0000000
DESCRIPTION				DATE COMPLETED	00000000
ORIGINAL				CONTRACTOR	35594-16-D
DATE				INSPECTION	
DATE				DATE COMPLETED	

100% DESIGN

58TH PLACE & OLYMPIC

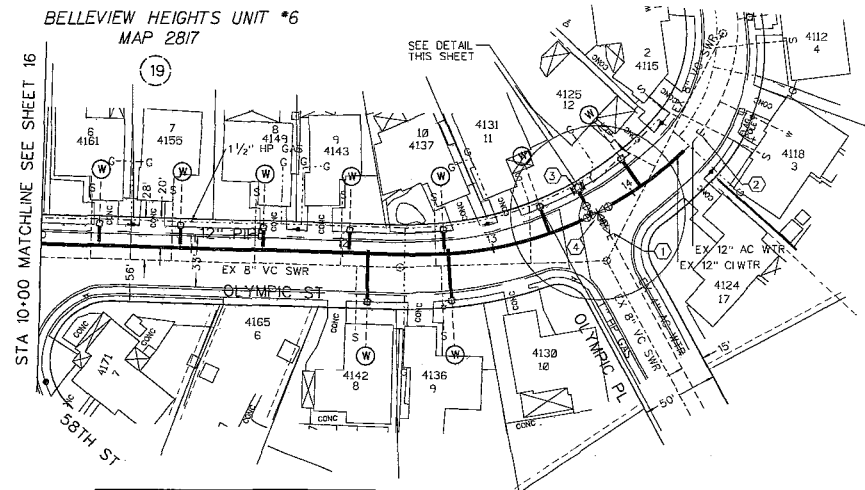


SCALE  
1"=40' HORIZ.  
1"=4' VERT.

DETAIL  
NO SCALE



PHASE 4 THIS SHEET



HIGHLINE NOTE:  
CITY FORCES TO HIGHLINE OLYMPIC STREET FROM STA 10+00 TO STA 14+45 CITY FORCES TO FURNISH HIGHLINE MATERIALS AND TRANSFER SERVICES.

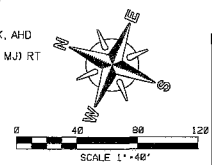
- ① BY CITY FORCES AND OF CONTRACTOR  
STA 13+73.46 RT 15.0'  
CUT AND PLUG:  
EX 4" AC WTR  
RECONNECT AFTER NEW MAIN HAS BEEN ACCEPTED.
- ② BY CITY FORCES AND OF CONTRACTOR  
STA 14+59.07  
CUT AND PLUG:  
EX 12" AC WTR  
RECONNECT AFTER NEW MAIN HAS BEEN ACCEPTED.
- ③ BY CONTRACTOR FURNISH AND INSTALL  
STA 13+68.46  
1 - 12" X 6" TEE (M,J, F)  
1 - 6" FH ASSY AND MARKER
- ④ BY CONTRACTOR FURNISH AND INSTALL  
STA 13+73.46  
1 - 12" X 8" TEE (F)  
2 - 12" VALVE (F, M, J) BK, AND  
1 - 8" VALVE (F) RT  
1 - 8" X 4" REDUCER (F, M, J) RT

REFERENCE:  
WATER: 9750-3-D, 9096-L  
SEWER: 9096-L  
STORM DRAIN:  
GAS: 12-670, 12-670A, 12-670B  
ELECTRIC: 214-1746  
CABLE TV: 214-746  
TELEPHONE: 500303AC  
IMPROVEMENTS:  
100' SCALE/FIELD BOOK: K185, K195  
THOMAS BROS.: 1270  
HGL: 645

RETIREMENTS:  
444" 12" CI 1954  
1 - FH (2-PORT) 1954  
9 - 1" SERVICES

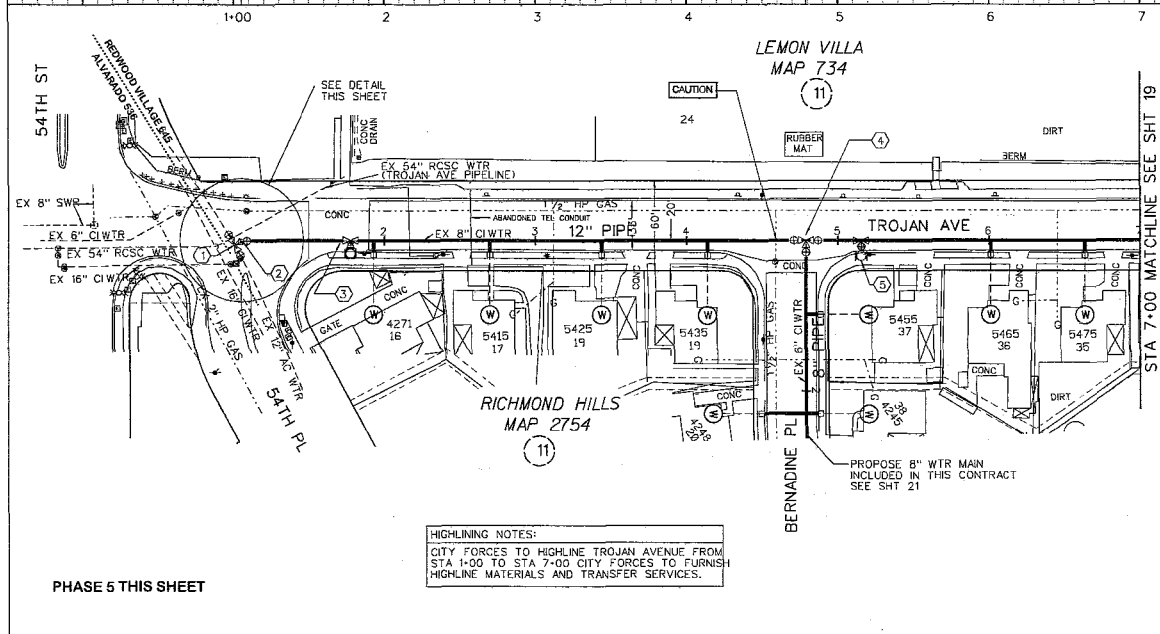
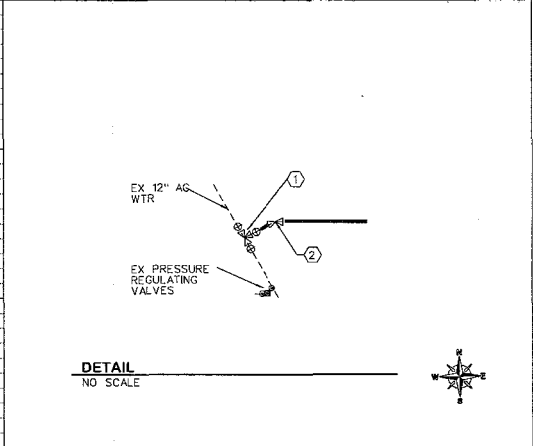
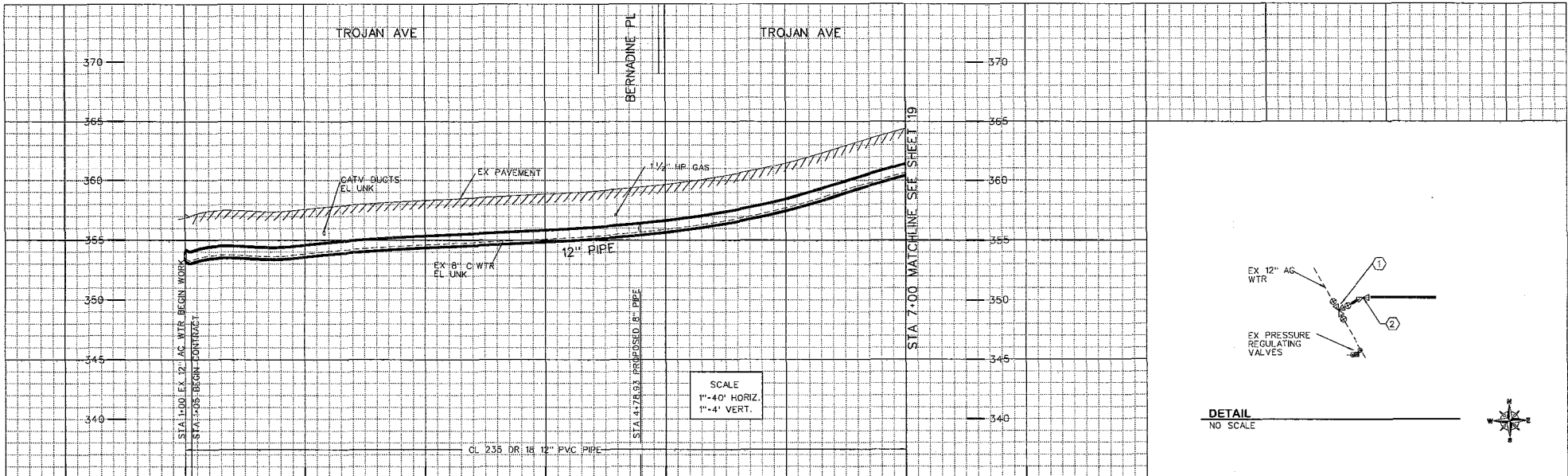
C-15

WATER GROUP 616 OLYMPIC STREET STATION 10+00 TO 14+44.07		WATER NO. B-00018
CITY OF SAN DIEGO, CALIFORNIA ENGINEERING AND CAPITAL PROJECTS DEPARTMENT SHEET 17 OF _____ SHEETS		SEWER NO. 0-00000
FOR CITY ENGINEER:	DATE:	BY: <u>Joe Myers</u> ASSOCIATE ENGINEER
DESCRIPTION:	BY APPROVED:	DATE FILED:
ORIGINAL	DATE	DATE
		BY: <u>Dean S. Evans</u> PROJECT ENGINEER
		DATE: <u>214-1746</u>
		CONTRACTOR: <u>00000000-00000000</u> CROSS COORDINATE
CONTRACTOR:	DATE STARTED:	NO. <u>35594-17-D</u>
INSPECTOR:	DATE COMPLETED:	



100% DESIGN

OLYMPIC STREET



**SCALE**  
1"=40' HORIZ.  
1"=4' VERT.

**DETAIL**  
NO SCALE

**1** BY CITY FORCES  
FURNISH & INSTALL  
AHD OF CONTRACTOR  
STA 1+00.00  
CUT IN:  
1 - 12" X 12" TEE (F)  
3 - 12" VALVES (F, MJ)  
CLOSE VALVE AHD  
RECONNECT AFTER NEW  
MAIN HAS BEEN ACCEPTED  
AND OPEN VALVE AHD

**2** BY CONTRACTOR  
FURNISH AND INSTALL  
STA 1+05.66  
1 - 12" 22' BEND (MJ)

**3** BY CONTRACTOR  
FURNISH AND INSTALL  
STA 1+77.84  
1 - 12" X 6" TEE (MJ, M, F)  
1 - 6" FH ASSY AND MARKER

**4** BY CONTRACTOR  
FURNISH AND INSTALL  
STA 4+78.93  
1 - 12" X 8" TEE (F)  
2 - 12" VALVE (F, MJ) BK, AHD  
1 - 8" VALVE (F, MJ) RT

**5** BY CONTRACTOR  
FURNISH AND INSTALL  
STA 5+15.32  
1 - 12" X 6" TEE (MJ, M, F)  
1 - 6" FH ASSY AND MARKER

**REFERENCE:**  
WATER: 5088-2-W, B494-L  
SEWER: 9154-L  
GAS: 12-693  
ELECTRIC: 214-1743B, 214-1746  
CABLE TV: 214-746  
TELEPHONE: SD050IC, SD050SDC  
IMPROVEMENTS:  
100' SCALE/FIELD BOOK: K18S  
THOMAS BROS.: 1270  
HGL-645

**RETIREMENTS:**  
600' 8" CI 1951  
1 - FH (2-PORT) 1951  
6 - 1" SERVICES

**PHASE 5 THIS SHEET**

**HIGHLIGHTING NOTES:**  
CITY FORCES TO HIGHLIGHT TROJAN AVENUE FROM  
STA 1+00 TO STA 7+00 CITY FORCES TO FURNISH  
HIGHLIGHT MATERIALS AND TRANSFER SERVICES.

**WATER GROUP 616  
TROJAN AVENUE  
STA 1+00 TO 7+00**

**CITY OF SAN DIEGO, CALIFORNIA  
ENGINEERING AND CAPITAL PROJECTS DEPARTMENT  
SHEET 18 OF SHEETS**

FOR CITY ENGINEER	DATE	FILED
DESCRIPTION	BY	APPROVED
ORIGINAL	DATE	

**WATER WBS: B-00018  
SEWER WBS: Q-00000**

**Joe Myers  
ASSOCIATE ENGINEER**

**Dean S. Evans  
PROJECT ENGINEER**

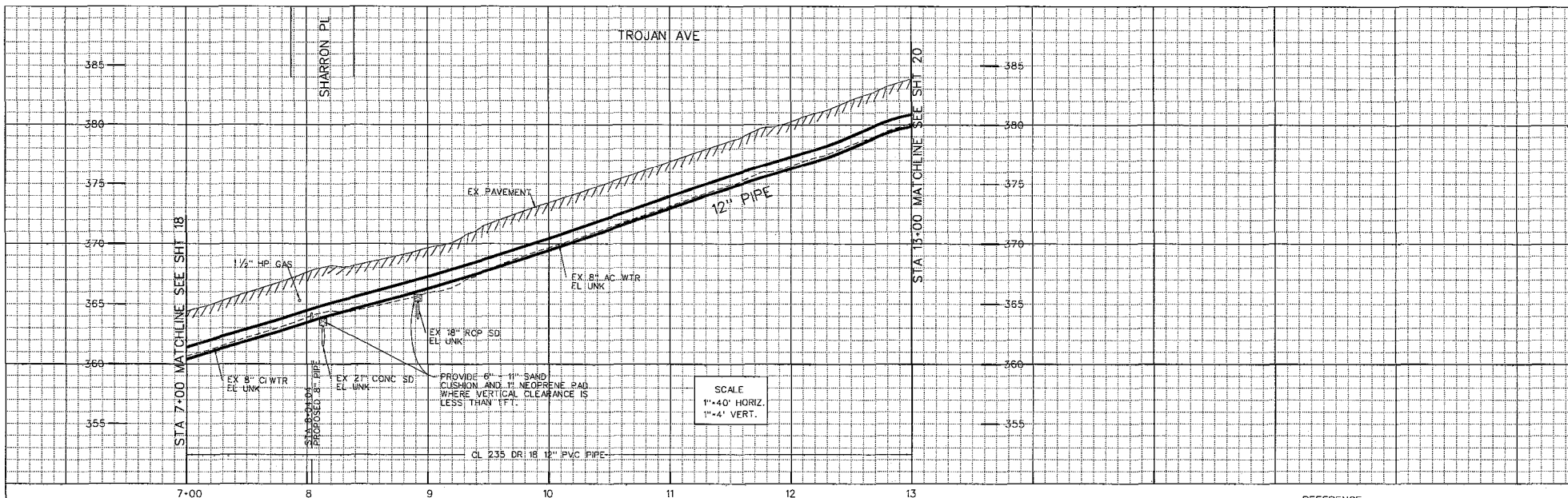
**214-1743  
CITY ENGINEER**

**00000000-00000000  
CITY ENGINEER**

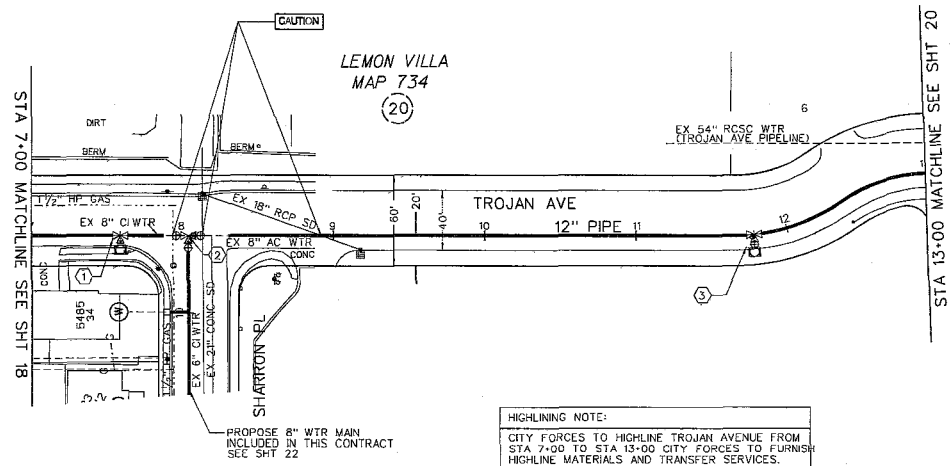
**CONTRACTOR: DATE STARTED: 85594-18-D  
INSPECTOR: DATE COMPLETED:**

**100% DESIGN**

TROJAN AV



PHASE 5 THIS SHEET

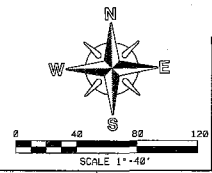


- ① BY CONTRACTOR FURNISH AND INSTALL  
STA 7+59.15  
1 - 12" X 6" TEE (MJ, MJ, F)  
1 - 6" FH ASSY AND MARKER
- ② BY CONTRACTOR FURNISH AND INSTALL  
STA 8+04.04  
1 - 12" X 8" TEE (F)  
2 - 12" VALVES (F, MJ) BK, AHD  
1 - 8" VALVE (F, MJ) RT
- ③ BY CONTRACTOR FURNISH AND INSTALL  
STA 11+77.84  
1 - 12" X 6" TEE (MJ, MJ, F)  
1 - 6" FH ASSY AND MARKER

REFERENCE:  
WATER: 7276-W  
SEWER: 8494-L  
STORM DRAIN: 7276-W, 9154-L  
GAS: 12-693  
ELECTRIC: 214-174.3B, 214-1746  
CABLE: TV: 214-746  
TELEPHONE: S00501C, S00505DC  
IMPROVEMENTS:  
100 SCALE/FIELD BOOK: K185  
THOMAS BROS.: 1270  
HGL: 645

RETIREMENTS:  
104' 8" CI 1951  
496' 8" AC 1956  
1 - FH (2-PORT) 1951  
1 - FH (2-PORT) 1956

HIGHLIGHTING NOTE:  
CITY FORCES TO HIGHLIGHT TROJAN AVENUE FROM STA 7+00 TO STA 13+00 CITY FORCES TO FURNISH HIGHLIGHT MATERIALS AND TRANSFER SERVICES.

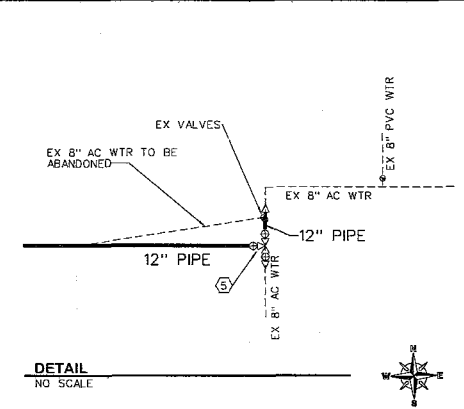
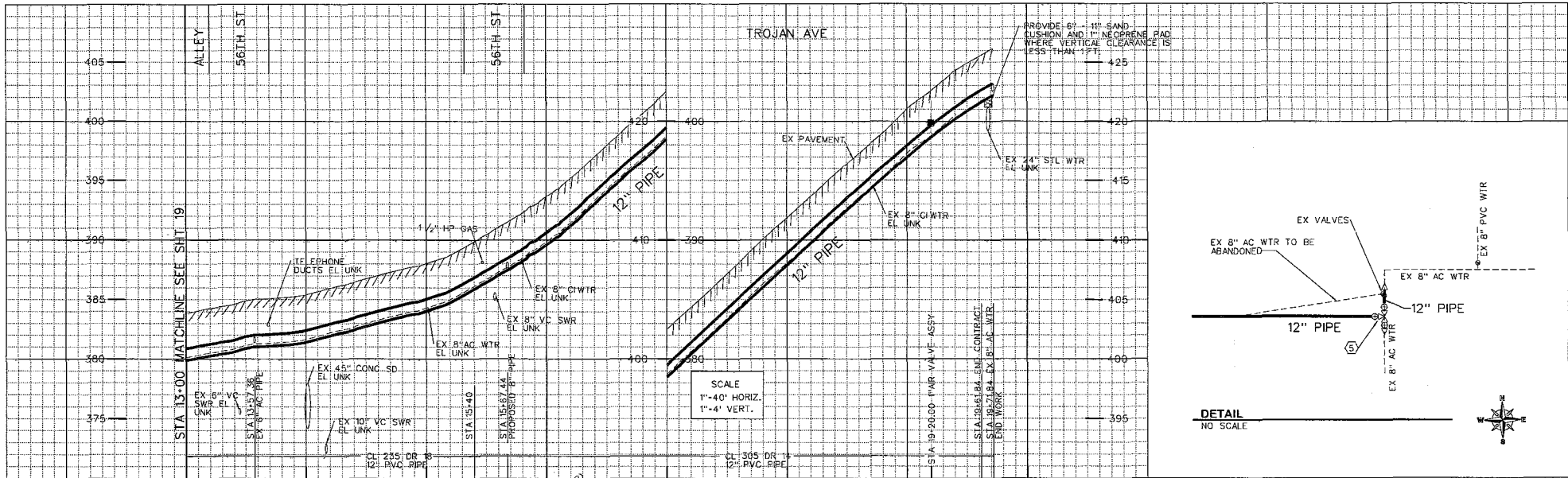


STAMP

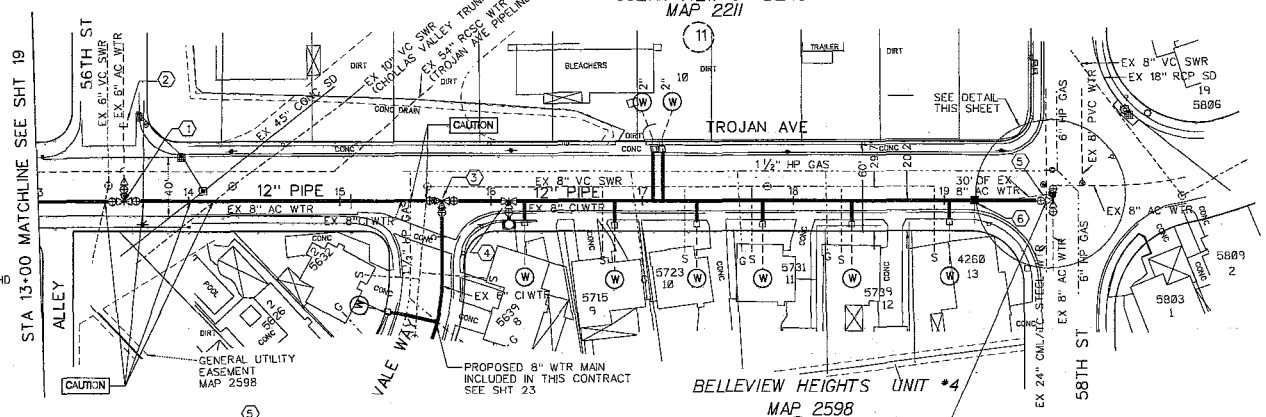
<b>WATER GROUP 616</b>		WATER PDS: 8-00016
<b>TROJAN AVENUE</b>		SEWER PDS: 0-00000
STA 7+00 TO 13+00		
CITY OF SAN DIEGO, CALIFORNIA ENGINEERING AND CAPITAL PROJECTS DEPARTMENT SHEET 19 OF SHEETS		
FOR CITY ENGINEER	DATE	WATER PDS: Job: Mvrls
DESCRIPTION	BY	APPROVED
ORIGINAL	DATE	DATE FILED
CONTRACTOR	DATE STARTED	35594-19-D
INSPECTOR	DATE COMPLETED	

100% DESIGN

TROJAN AV



PHASE 6 THIS SHEET



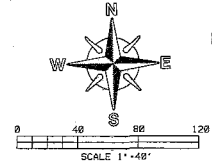
REFERENCE:  
 WATER: 7586-L, 26400-10-D, 21840-2-D, 21840-3-D  
 SEWER: 7586-L, 7276-W  
 STORM DRAIN: 14707-D, 7276-W  
 GAS: 12-674  
 ELECTRIC: 214-1746  
 CABLE IV: 214-746  
 TELEPHONE: SD0501C, SD0505DC  
 IMPROVEMENTS:  
 100' SCALE/FIELD BOOK: K185  
 THOMAS BROS.: 1270  
 HGL: 645

RETIREMENTS:  
 267' 8" AC  
 404' 8" CI 1950 1956  
 1 - FH (2-PORT)  
 8 - 1" SERVICES

- 1 BY CONTRACTOR FURNISH AND INSTALL  
 STA 13-57.36  
 1 - 12" X 8" TEE (F)  
 2 - 12" VALVES (F, MJ) BK, AHD  
 1 - 8" VALVE (F) LT  
 1 - 8" X 8" REDUCER (F, MJ)
- 2 BY CITY FORCES AHD OF CONTRACTOR  
 STA 13-57.36 LT 50'  
 CUT AND PLUG;  
 EX 8" AC WTR RECONNECT AFTER NEW MAIN HAS BEEN ACCEPTED.
- 3 BY CONTRACTOR FURNISH AND INSTALL  
 STA 15-67.44  
 1 - 12" X 8" TEE (F)  
 2 - 12" VALVE (F, MJ) BK, AHD  
 1 - 8" VALVE (F, MJ) RT
- 4 BY CONTRACTOR FURNISH AND INSTALL  
 STA 16-11.72  
 1 - 12" X 8" TEE (MJ, MJ, F)  
 2 - 12" VALVE (F, MJ) BK, AHD  
 1 - 6" FH ASSY AND MARKER

- 5 BY CITY FORCES FURNISH AND INSTALL AHD OF CONTRACTOR  
 STA 19+71.84  
 CUT IN:  
 1 - 12" TEE (F)  
 3 - 12" VALVES (F, MJ) LT, RT, BK  
 2 - 12" X 8" REDUCERS (F, MJ) LT, RT  
 6" OF CL 235 DR 18 8" PIPE LT  
 CLOSE VALVE BK  
 RECONNECT AFTER NEW MAIN HAS BEEN ACCEPTED AND OPEN VALVE BK
- 6 BY CONTRACTOR FURNISH AND INSTALL  
 STA 19+00.00  
 1 - 1" AIR/VACUUM VALVE ASSY, RT

HIGHLIGHTING NOTE:  
 CITY FORCES TO HIGHLIGHT TROJAN AVENUE FROM STA 13+00 TO STA 20+00 CITY FORCES TO FURNISH HIGHLIGHT MATERIALS AND TRANSFER SERVICES.



STAMP

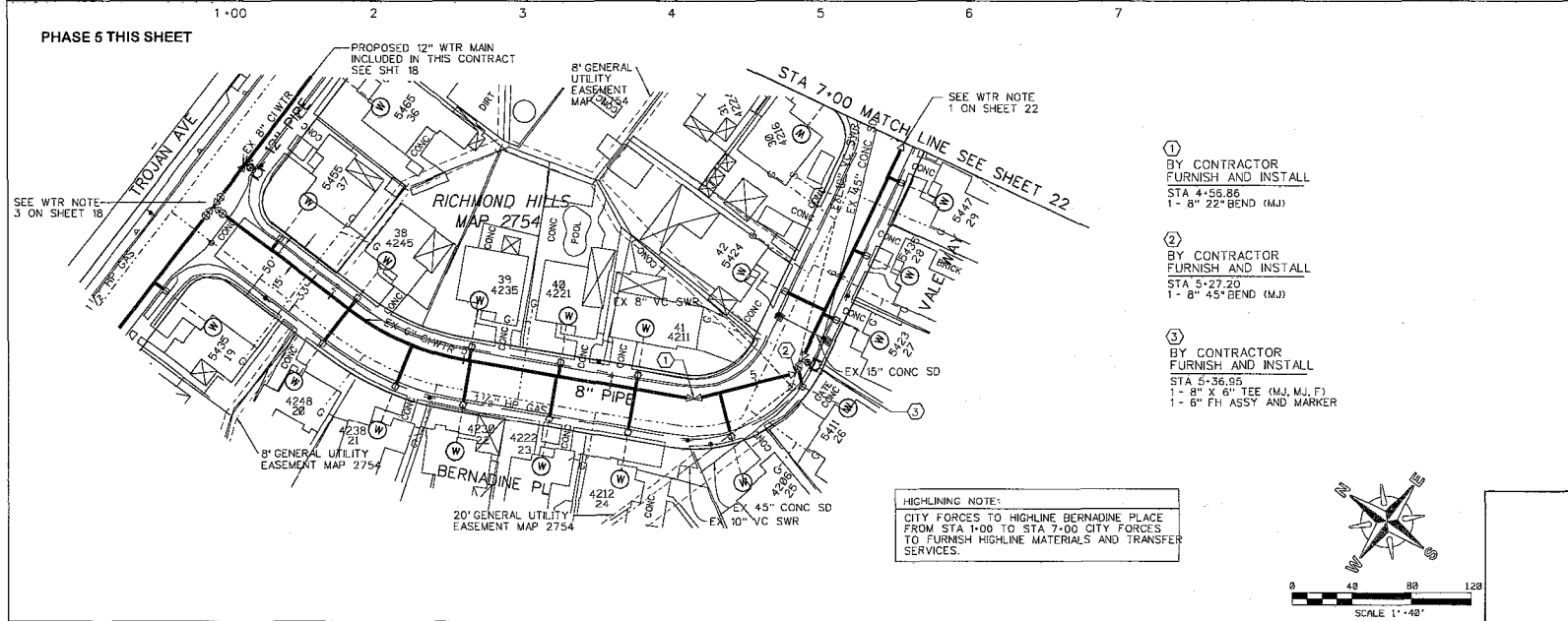
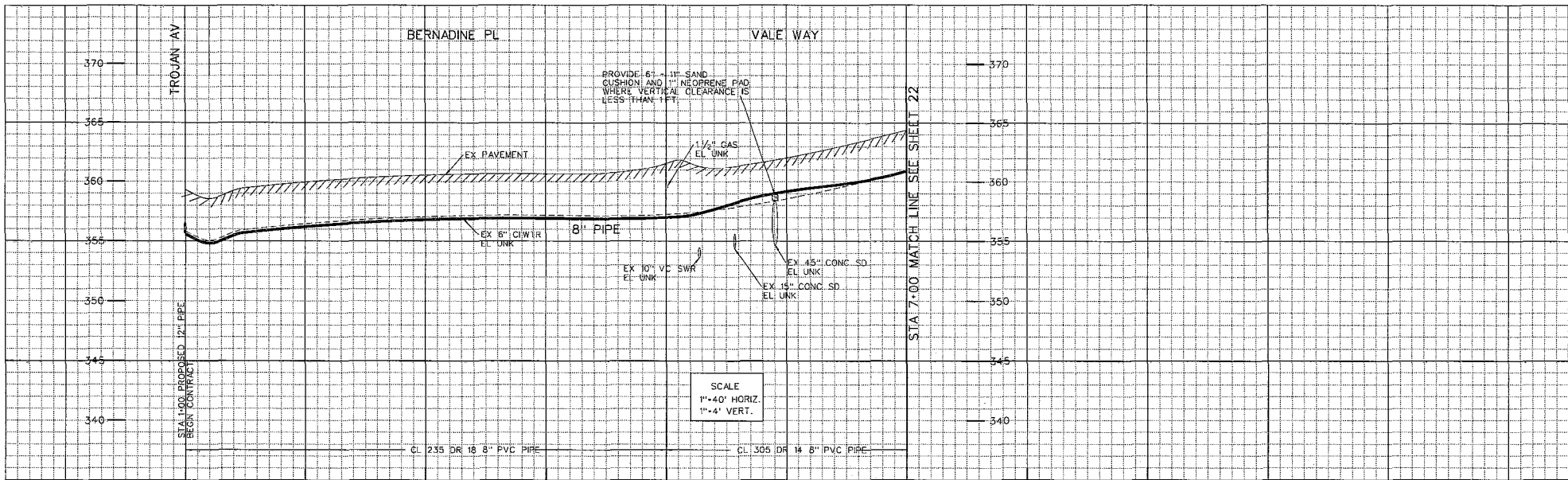
WATER GROUP 616		WATER 8-00018	
TROJAN AVENUE		SEWER 0-00000	
STA 18+00 TO 19+71.84		SHEET 20 OF 20 SHEETS	
CITY OF SAN DIEGO, CALIFORNIA			
ENGINEERING AND CAPITAL PROJECTS DEPARTMENT		DATE: 05/20/2012	
FOR CITY ENGINEER		DATE	
DESCRIPTION	BY	APPROVED	DATE
ORIGINAL	05E		
PROJECT ENGINEER: Dean S. Evans		DATE COMPLETED: 05/20/2012	
PROJECT NUMBER: 214-1746		DATE STARTED: 05/20/2012	
DRAWN BY: DEAN S. EVANS		DATE COMPLETED: 05/20/2012	
CONTRACTOR: 35594-20-D		DATE STARTED: 05/20/2012	
INSPECTOR: 35594-20-D		DATE COMPLETED: 05/20/2012	

100% DESIGN

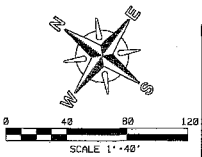
TROJAN AV

C-18





**HIGHLIGHTING NOTE:**  
 CITY FORCES TO HIGHLIGHT BERNADINE PLACE FROM STA 1+00 TO STA 7+00 CITY FORCES TO FURNISH HIGHLIGHT MATERIALS AND TRANSFER SERVICES.



**REFERENCE:**  
 WATER: 8494-L  
 SEWER: 8494-L  
 STORM DRAIN: 8495-L1, 9154-L  
 GAS: 12-893  
 ELECTRIC: 214-1743B  
 CABLE TV: 214-746  
 TELEPHONE: SD0503AB  
 IMPROVEMENTS:  
 100' SCALE/FIELD BOOK: K185  
 THOMAS BROS.: 1270  
 HGL: 645

**RETIREMENTS:**  
 600' 6" CI 1951  
 1 - FH (2-PORT) 1951  
 16 - 1" SERVICES

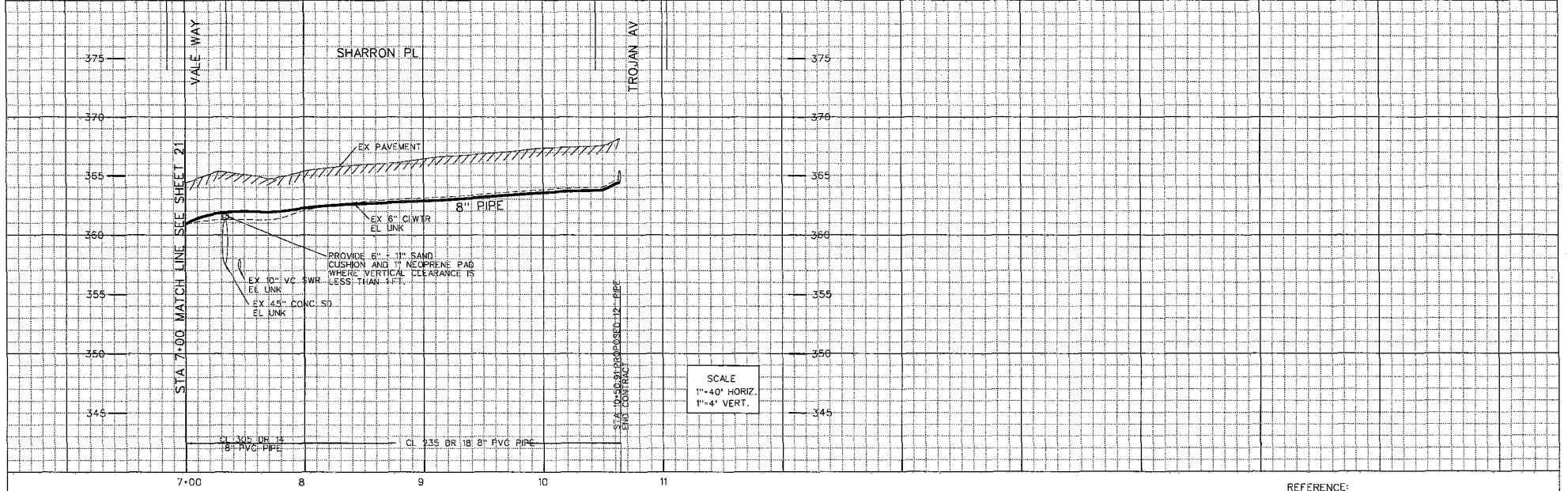
- ① BY CONTRACTOR FURNISH AND INSTALL  
 STA 4+56.86  
 1 - 8" 22' BEND (M.J.)
- ② BY CONTRACTOR FURNISH AND INSTALL  
 STA 5+27.20  
 1 - 8" 45' BEND (M.J.)
- ③ BY CONTRACTOR FURNISH AND INSTALL  
 STA 5+56.65  
 1 - 8" X 6" TEE (M.J, M.J.F)  
 1 - 6" FH ASSY AND MARKER

C-19

<b>WATER GROUP 616</b>				WATER: E-00018 SEWER: 0-00000
BERNADINE PLACE				
STA 1+00 TO 7+00				SHEET 21 OF SHEETS
CITY OF SAN DIEGO, CALIFORNIA				
ENGINEERING AND CAPITAL PROJECTS DEPARTMENT				DATE: 0-00000
SHEET 21 OF SHEETS				
FOR CITY ENGINEER	DATE	BY	DATE	FILED
DESCRIPTION	BY	APPROVED	DATE	FILED
ORIGINAL	DSE			
CONTRACTOR				DATE STARTED
INSPECTOR				DATE COMPLETED

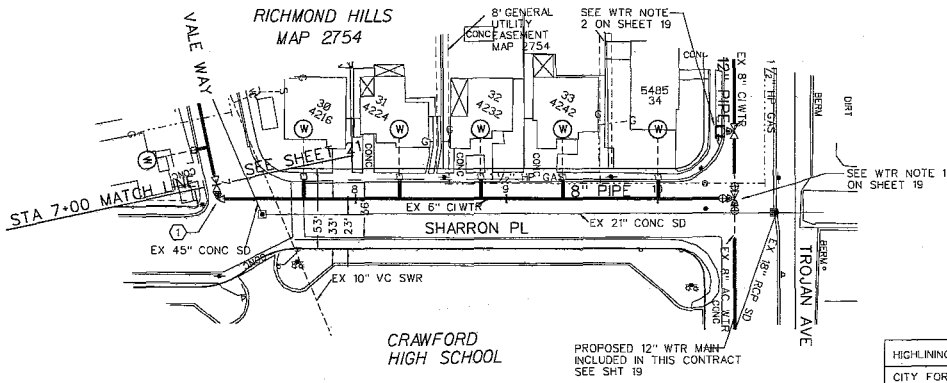
100% DESIGN

BERBADINE PLACE



SCALE  
1"=40' HORIZ.  
1"=4' VERT.

PHASE 5 THIS SHEET



HIGHLINING NOTE  
CITY FORCES TO HIGHLINE SHARRON PLACE FROM STA 7+00 TO STA 10+52 CITY FORCES TO FURNISH HIGHLINE MATERIALS AND TRANSFER SERVICES.

REFERENCE:  
WATER: 8494-L  
SEWER: 8494-L  
STORM DRAIN: 8495-L1, 9154-L  
GAS: 12-693  
ELECTRIC: 214-1746  
CABLE TV: 214-746  
TELEPHONE:  
IMPROVEMENTS: SD0503AB  
100' SCALE/FIELD BOOK: K185  
THOMAS BROS: 1270  
HGL: 645

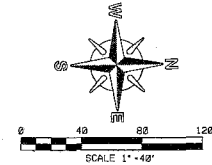
RETIREMENTS:  
35" 6" CI 1951  
5 - 1" SERVICES

① BY CONTRACTOR FURNISH AND INSTALL  
STA 7+09.62  
1 - 8" 11° BEND (F, M, J)  
1 - 8" 90° BEND (F, M, J)

C-20

WATER GROUP 616  
SHARRON PLACE  
STA 7+00 TO 10+50.91

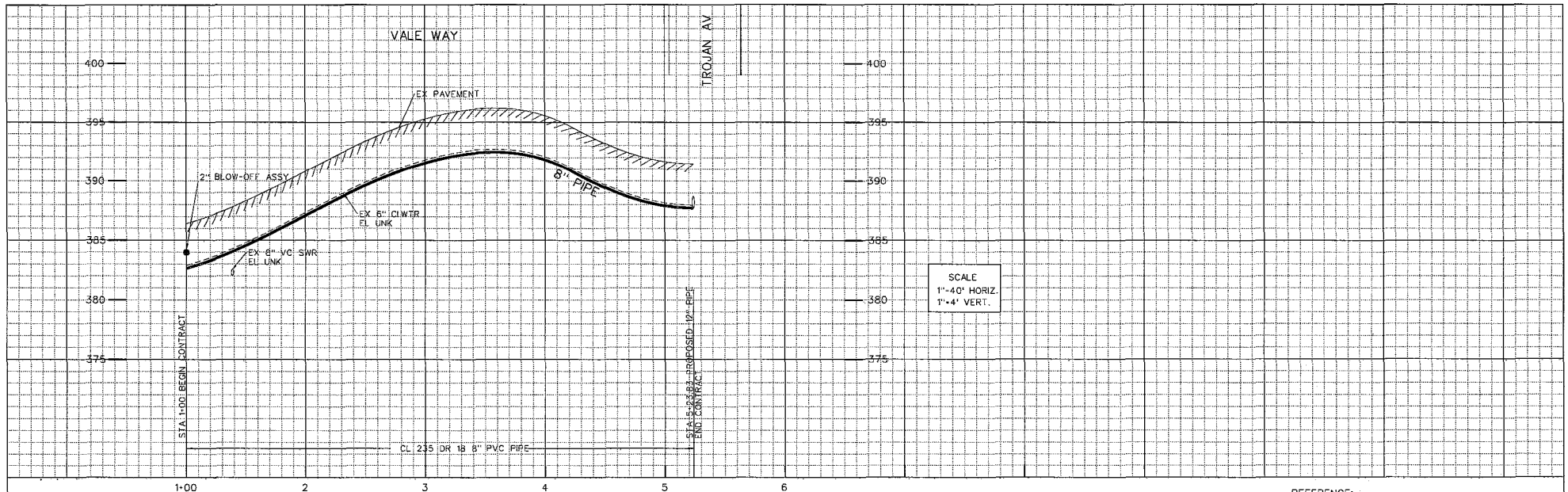
CITY OF SAN DIEGO, CALIFORNIA ENGINEERING AND CAPITAL PROJECTS DEPARTMENT SHEET 122 OF				WATER SEWER WTR	B-00018
FOR CITY ENGINEER	DATE	BY	APPROVED	DATE	FILED
ORIGINAL	DISK				
CONTRACTOR				DATE STARTED	DATE COMPLETED
INSPECTOR					
				35594-22-D	



STAMP

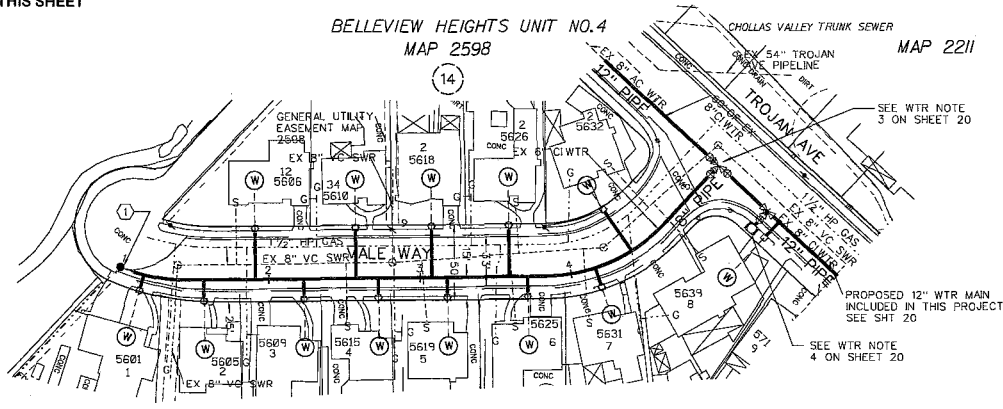
100% DESIGN

SHARRON PLACE



SCALE  
1"=40' HORIZ.  
1"=4' VERT.

PHASE 5 THIS SHEET



**HIGHLIGHTING NOTES:**  
CITY FORCES TO HIGHLIGHT VALE WAY FROM STA 1+00 TO STA 5+24. CITY FORCES TO FURNISH HIGHLIGHT MATERIALS AND TRANSFER SERVICES.

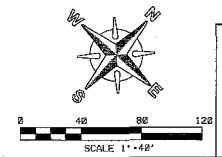
**REFERENCE:**  
WATER: 7587-L  
SEWER: 7587-L, 7588-L  
STORM DRAIN:  
GAS: 12-874  
ELECTRIC: 214-1746  
CABLE TV: 214-746  
TELEPHONE: SD0501DC  
IMPROVEMENTS:  
100' SCALE/FIELD BOOK: K185  
THOMAS BROS: 1270  
HGL: 645

**RETIREMENTS:**  
424' 6" CI 1950  
12 - 1" SERVICES

①  
BY CONTRACTOR  
FURNISH AND INSTALL  
STA 1+00.00  
1 - 2" BLOW-OFF ASSY

C-21

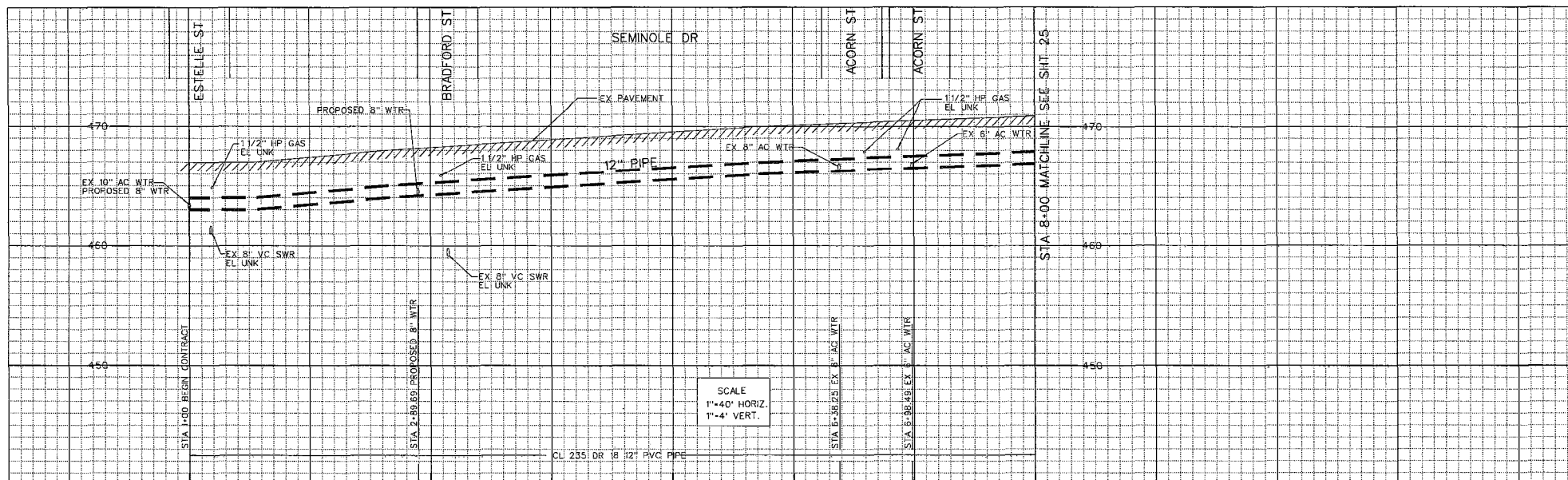
<b>WATER GROUP 616</b>		WATER		B-00018
<b>VALE WAY</b>		SEWER		
STA 1+00 TO 5+23.83				
CITY OF SAN DIEGO, CALIFORNIA ENGINEERING AND CAPITAL PROJECTS DEPARTMENT SHEET 23 OF SHEETS				
DATE	DATE	DATE	DATE	DATE
DESCRIPTION	BY	APPROVED	DATE	FILED
ORIGINAL	DRS			
				PROJECT NUMBER
				214-1746
				COORDINATE
				0000000-0000000
				COORDINATE
CONTRACTOR		DATE STARTED		35594-23-D
INSPECTOR		DATE COMPLETED		



STAMP

100% DESIGN

VALE WAY



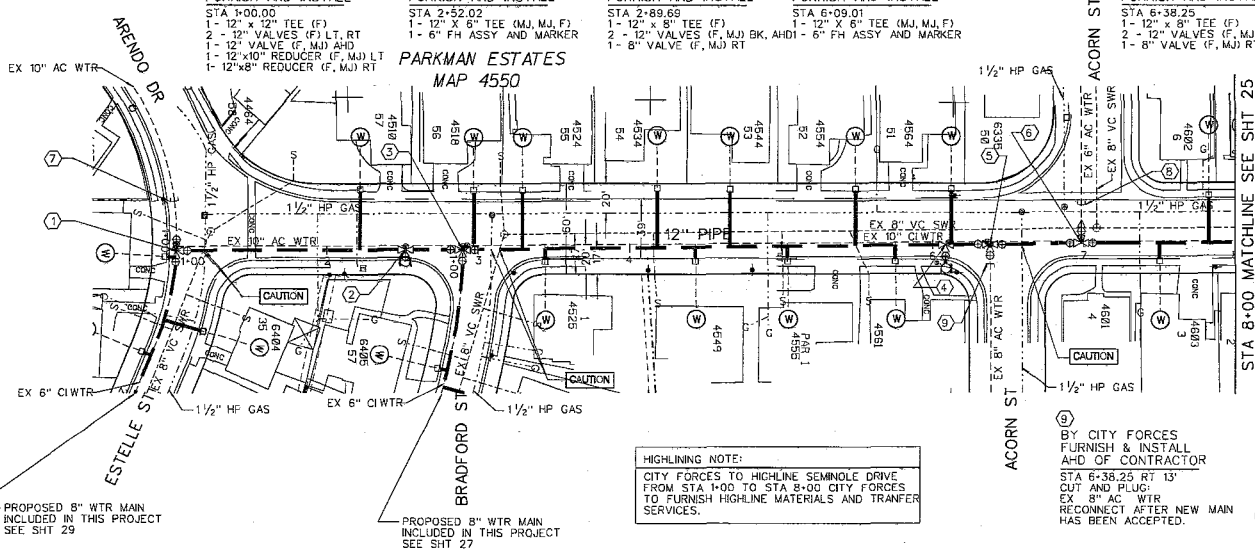
SCALE  
1"=40' HORIZ.  
1"=4' VERT.

PHASE 6 THIS SHEET

- ① BY CONTRACTOR FURNISH AND INSTALL  
STA 1+00.00  
1 - 12" x 12" TEE (F)  
2 - 12" VALVES (F) LT, RT  
1 - 12" VALVE (F, MJ) AHD  
1 - 12"x10" REDUCER (F, MJ) LT  
1 - 12"x8" REDUCER (F, MJ) RT
- ② BY CONTRACTOR FURNISH AND INSTALL  
STA 2+52.02  
1 - 12" x 6" TEE (MJ, MJ, F)  
1 - 6" FH ASSY AND MARKER
- ③ BY CONTRACTOR FURNISH AND INSTALL  
STA 2+89.69  
1 - 12" x 8" TEE (F)  
2 - 12" VALVES (F, MJ) BK, AHD  
1 - 6" FH ASSY AND MARKER
- ④ BY CONTRACTOR FURNISH AND INSTALL  
STA 6+09.01  
1 - 12" x 6" TEE (MJ, MJ, F)  
1 - 12" x 8" TEE (F)
- ⑤ BY CONTRACTOR FURNISH AND INSTALL  
STA 6+38.25  
1 - 12" x 8" TEE (F)  
2 - 12" VALVES (F, MJ) BK, AHD  
1 - 8" VALVE (F, MJ) RT  
1 - 8"x6" REDUCER (F, MJ) LT
- ⑥ BY CONTRACTOR FURNISH AND INSTALL  
STA 6+98.49  
1 - 12" x 8" TEE (F)  
2 - 12" VALVES (F, MJ) BK, AHD  
1 - 8" VALVE (F, MJ) LT  
1 - 8"x6" REDUCER (F, MJ) LT
- ⑦ BY CITY FORCES FURNISH & INSTALL AHD OF CONTRACTOR  
STA 1+00.00 LT 33"  
CUT AND PLUG:  
EX 10" AC WTR RECONNECT AFTER NEW MAIN HAS BEEN ACCEPTED.
- ⑧ BY CITY FORCES FURNISH & INSTALL AHD OF CONTRACTOR  
STA 6+38.25 RT 13"  
CUT AND PLUG:  
EX 8" AC WTR RECONNECT AFTER NEW MAIN HAS BEEN ACCEPTED.

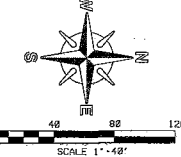
REFERENCE:  
WATER: 6667-W, 9294-D, 11929-L, 18044-13-D  
SEWER: 6667-W, 9294-D, 11929-L, 18044-13-D  
STORM DRAIN:  
GAS: 9-159F, 9-160  
ELECTRIC: 216-1749  
CABLE TV: 216-749  
TELEPHONE: SD0101BB, SD0102DD  
IMPROVEMENTS:  
100' SCALE/FIELD BOOK: L185  
THOMAS BROS.: 1270  
HGL: 645

RETIREMENTS:  
53" 10" AC 1980  
162" 8" CI 1951  
2 - FH (2-FORT) 1980  
13 - 1" SERVICE



HIGHLIGHTING NOTE:  
CITY FORCES TO HIGHLIGHT SEMINOLE DRIVE FROM STA 1+00 TO STA 8+00 CITY FORCES TO FURNISH HIGHLIGHT MATERIALS AND TRANSFER SERVICES.

- ⑧ BY CITY FORCES FURNISH & INSTALL AHD OF CONTRACTOR  
STA 6+38.25 RT 13"  
CUT AND PLUG:  
EX 8" AC WTR RECONNECT AFTER NEW MAIN HAS BEEN ACCEPTED.

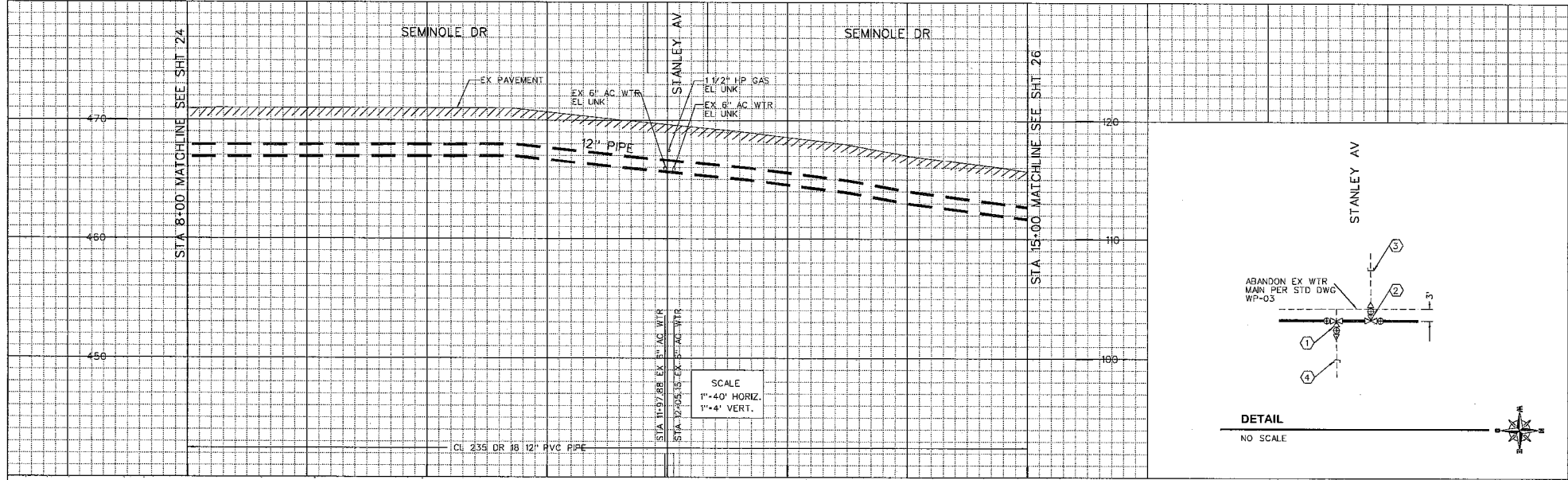


STAMP

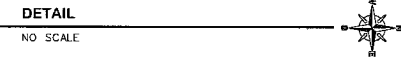
C-22			
<b>WATER GROUP 616</b>			
SEMINOLE DR.			
STA 1+00 TO 8+00			
CITY OF SAN DIEGO, CALIFORNIA ENGINEERING AND CAPITAL PROJECTS DEPARTMENT SHEET 24 OF		WATER SEWER WTR	600018
FOR CITY ENGINEER:	DATE	APPROVED	DATE
DESCRIPTION	BY	APPROVED	DATE
ORIGINAL	BT		
216-1749		20000000-00000000	
CONTRACTOR		DATE STARTED	
INSPECTOR		DATE COMPLETED	
		35594-24-D	

100% DESIGN

SEMINOLE DR.



SCALE  
1"=40' HORIZ.  
1"=4' VERT.



DETAIL  
NO SCALE



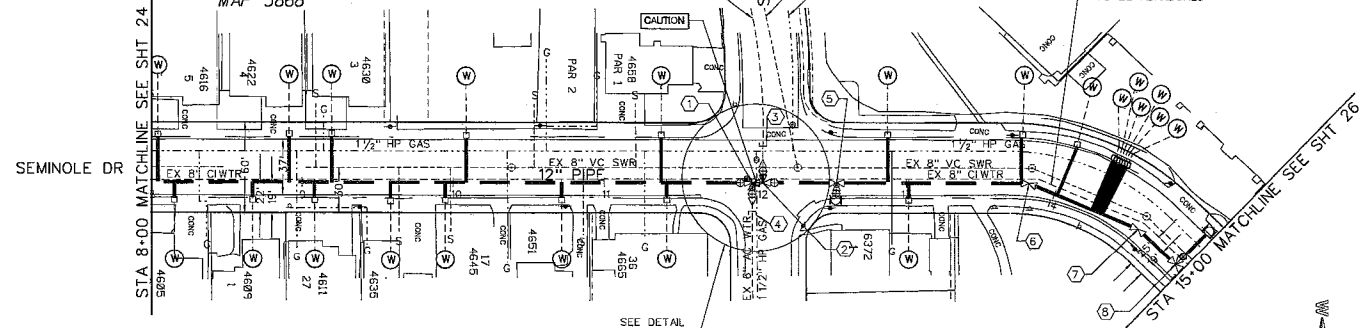
- ① BY CONTRACTOR FURNISH & INSTALL  
STA 11-97.88  
1- 12" X 8" TEE (F, MJ, F)  
1- 12" VALVE (F, MJ) BK  
1- 8" VALVE (F) RT  
1- 8"x6" REDUCER (F, MJ) RT
- ② BY CONTRACTOR FURNISH & INSTALL  
STA 12-05.15  
1- 12" X 8" TEE (F, MJ, MJ)  
1- 12" VALVE (F, MJ) AHD  
1- 8" VALVE (F) LT  
1- 8"x6" REDUCER (F, MJ) LT
- ③ BY CITY FORCES AHD OF CONTRACTOR  
STA 11-97.88 RT 10'  
CUT AND PLUG:  
EX 6" AC WTR  
RECONNECT AFTER NEW MAIN HAS BEEN ACCEPTED.
- ④ BY CITY FORCES AHD OF CONTRACTOR  
STA 12-05.15 LT 25'  
CUT AND PLUG:  
EX 6" AC WTR  
RECONNECT AFTER NEW MAIN HAS BEEN ACCEPTED.
- ⑤ BY CONTRACTOR FURNISH AND INSTALL  
STA 12-53.91  
1- 12" X 6" TEE (MJ, MJ, F)  
1- 6" FH ASSY AND MARKER
- ⑥ BY CONTRACTOR FURNISH AND INSTALL  
STA 13-81.61  
1- 12" 22" BEND (MJ)
- ⑦ BY CONTRACTOR FURNISH AND INSTALL  
STA 14-59.93  
1- 12" 22" BEND (MJ)
- ⑧ BY CONTRACTOR FURNISH AND INSTALL  
STA 14-94.19  
1- 12" X 6" TEE (MJ, MJ, F)  
1- 6" FH ASSY AND MARKER

REFERENCE:  
WATER: 11929-L, 11930-L, 11931-L, 9265-6-D  
SEWER: 11929-L, 11930-L, 11931-L, 9265-6-D  
STORM DRAIN:  
GAS: 9-160, 9-159C  
ELECTRIC: 216-1749  
CABLE TV: 216-749  
TELEPHONE: SD0102DD, SD0102DB  
IMPROVEMENTS:  
100' SCALE FIELD BOOK; L185  
THOMAS BROS.; 1270  
HGL: 645

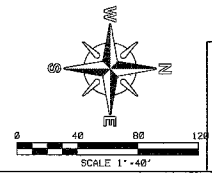
RETIREMENTS:  
703' 8" CI 1956  
2 - FH (2-PORT) 1956  
22 - 1" SERVICES

PHASE 6 THIS SHEET

RO-LANDUNN PARK  
MAP 3868



HIGHLIGHTING NOTE:  
CITY FORCES TO HIGHLIGHT SEMINOLE DRIVE FROM STA 8+00 TO STA 15+00 CITY FORCES TO FURNISH HIGHLIGHT MATERIALS AND TRANSFER SERVICES.

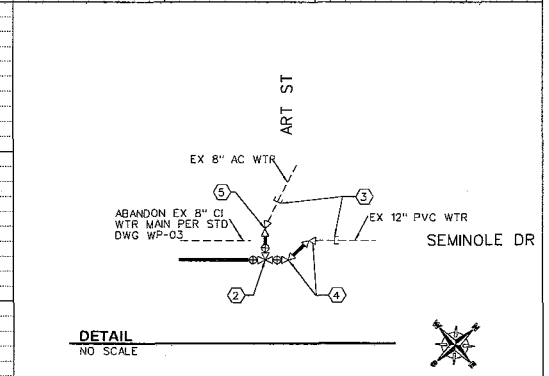
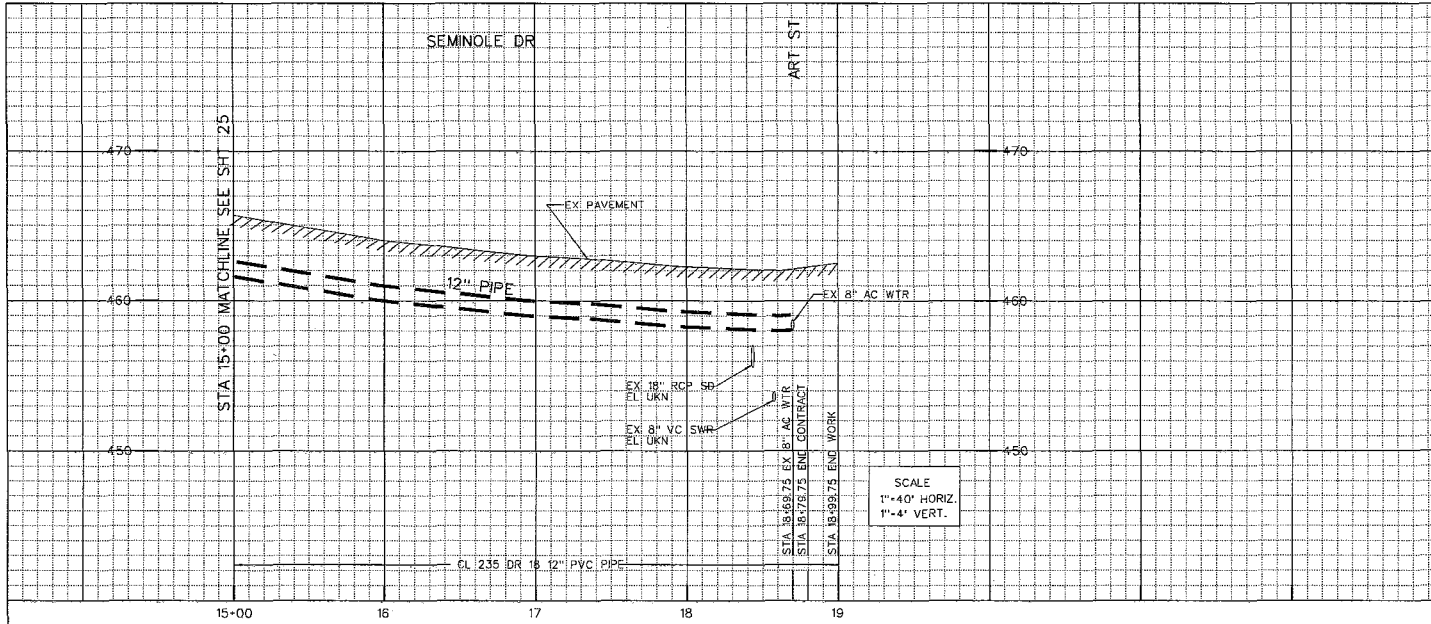


STAMP

<b>WATER GROUP 616</b> <b>SEMINOLE DR</b> STA 8+00 TO STA 15+00		C-23
CITY OF SAN DIEGO, CALIFORNIA ENGINEERING AND CAPITAL PROJECTS DEPARTMENT SHEETS OF SHEETS		WATER WBS B00018 SEWER WBS WBS
JOB CITY ENGINEER:	DATE:	Joe Meyer (RECORDS CHECKED)
DESCRIPTION: ORIGINAL	BY: BT	Dean S Evans PROJECT ENGINEER 216-1749 CDRR ENGINEERING
CONTRACTOR:	DATE STARTED:	0000000-0000000 CDRR ENGINEERING
INSPECTOR:	DATE COMPLETED:	35594-25-D

100% DESIGN

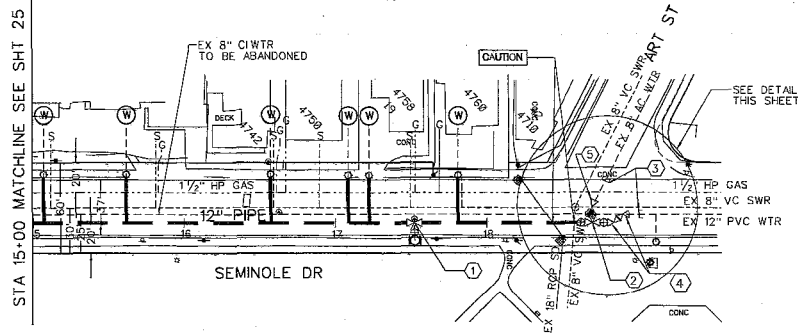
SEMINOLE DR.



SCALE  
1"=40' HORIZ.  
1"=4' VERT.

PHASE 6 THIS SHEET

CAMPUS SHOPPING CENTER UNIT NO.2  
MAP 5008



HIGHLIGHTING NOTE:  
CITY FORCES TO HIGHLIGHT SEMINOLE DRIVE FROM STA 15+00 TO STA 18+99 CITY FORCES TO FURNISH HIGHLIGHT MATERIALS AND TRANSFER SERVICES.

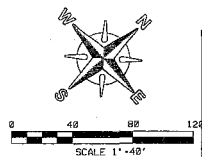
- ① BY CONTRACTOR FURNISH AND INSTALL  
STA 17-52.13  
1 - 12" X 6" TEE (M, J) F  
1 - 8" FH ASSY AND MARKER
- ② BY CONTRACTOR FURNISH AND INSTALL  
STA 18+69.75  
1 - 12" X 8" TEE (F)  
2 - 12" VALVE (F, M) AHD, BK  
1 - 8" VALVE (F, M) LT
- ③ BY CITY FORCES AHD OF CONTRACTOR  
STA 18+69.75 30' LT & 30' AHD CUT AND PLUG:  
EX 8" AC WTR RT  
EX 12" PVC WTR AHD RECONNECT AFTER NEW MAIN HAS BEEN ACCEPTED.
- ④ BY CONTRACTOR FURNISH AND INSTALL  
STA 18+69.75  
1 - 12" 45° BEND (F, M) AHD  
1 - 12" 45° BEND (M, J) AHD
- ⑤ BY CONTRACTOR FURNISH AND INSTALL  
STA 18+69.75 10' LT  
1 - 8" 22° BEND (M, J) LT

REFERENCE:  
WATER: 11331-L, 9265-5-D, 7743-L, 33123-5-D  
SEWER: 11331-L, 9265-5-D, 7743-L, 33123-5-D  
STORM DRAIN:  
GAS: 9-159A, 9-159C  
ELECTRIC: 216-1749  
CABLE TV: 216-749  
TELEPHONE: SD0102DB, SD0102BD  
IMPROVEMENTS:  
100' SCALE/FIELD BOOK: L185  
THOMAS BROS.: 1270  
HGL: 645

RETIREMENTS:  
370" 8" CI 1956  
1 - FH (2-PORT) 1956  
6 - 1" SERVICES

C-24

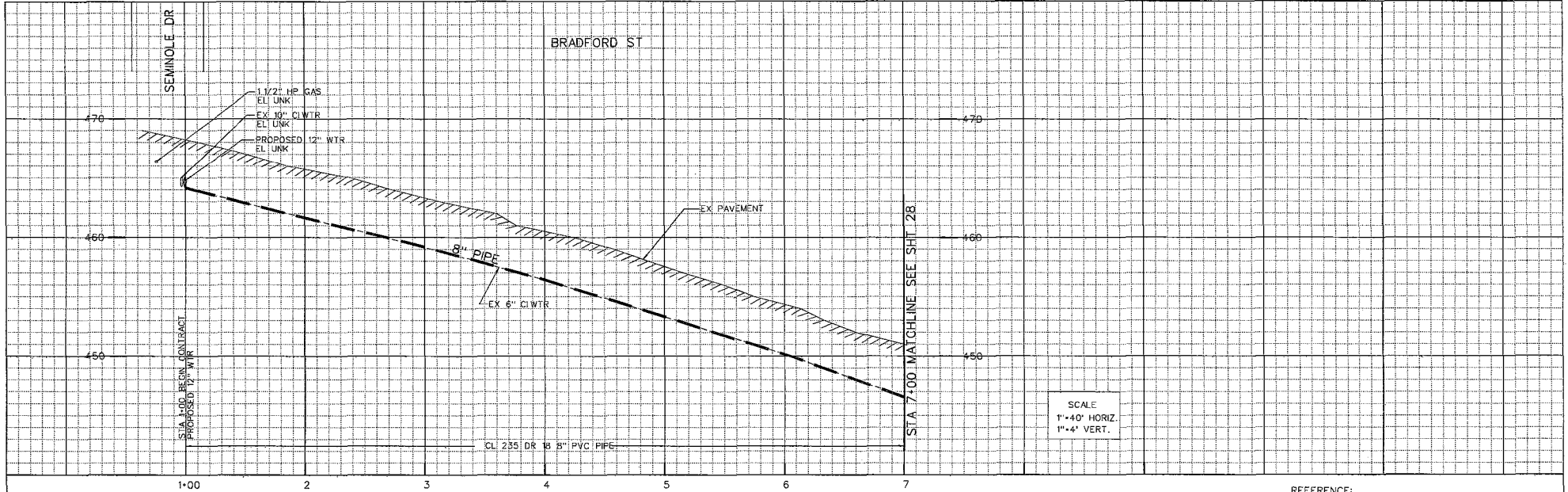
WATER GROUP 616 SEMINOLE DR STA 15+00 TO 18+99.75		WATER 800018 SEWER
CITY OF SAN DIEGO, CALIFORNIA ENGINEERING AND CAPITAL PROJECTS DEPARTMENT SHEET # 616 OF 616		JOB # 185 ASSOCIATE ENGINEER DATE 12/01/09 PROJECT NUMBER 216-1749 CITY OF SAN DIEGO 00000000-00000000 00000000
DATE	DATE	DATE
DESCRIPTION	BY	APPROVED
ORIGINAL	WT	
CONTRACTOR	DATE STARTED	DATE COMPLETED
INSPECTOR		



STAMP

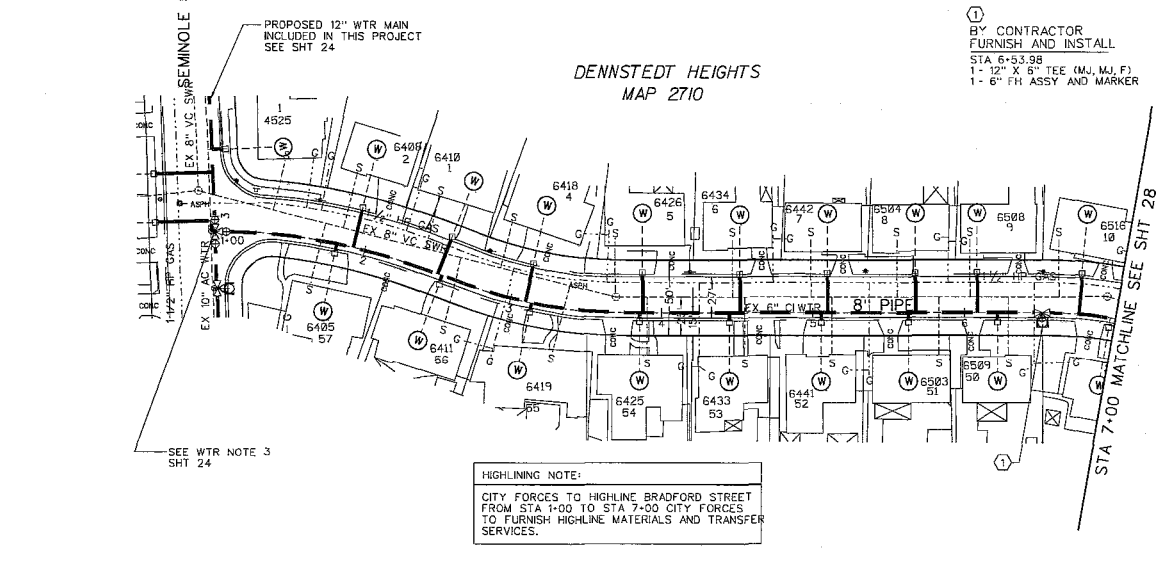
SEMINOLE DR.

100% DESIGN



SCALE  
1"=40' HORIZ  
1"=4' VERT.

PHASE 6 THIS SHEET



①  
BY CONTRACTOR  
FURNISH AND INSTALL  
STA 6+53.98  
1 - 12" X 6" TEE (M, M, F)  
1 - 6" FH ASSY AND MARKER

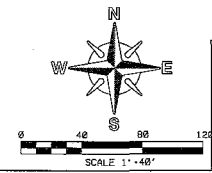
HIGHLIGHTING NOTE:  
CITY FORCES TO HIGHLIGHT BRADFORD STREET FROM STA 1+00 TO STA 7+00 CITY FORCES TO FURNISH HIGHLIGHT MATERIALS AND TRANSFER SERVICES.

REFERENCE:  
WATER: 18044-13-0, 8362-L  
SEWER: 8362-L  
STORM DRAIN:  
GAS: 9-159F, 9-159G  
ELECTRIC: 216-1749  
CABLE TV: 216-1749  
TELEPHONE: SD0101BB, SD0201AA  
IMPROVEMENTS:  
100' SCALE/FIELD BOOK: L185  
THOMAS BROS.: 1270  
HGL: 645

RETIREMENTS:  
600' 6" CI 1951  
1 - FH (2-PORT) 1951  
18 - 1" SERVICE

C-25

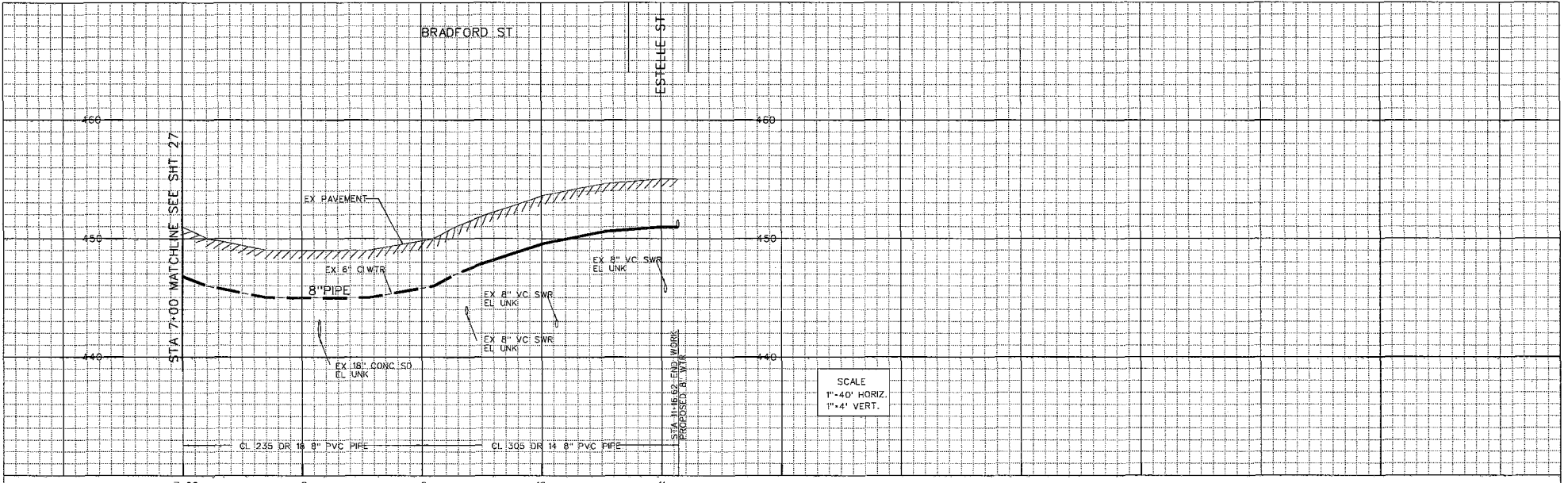
<b>WATER GROUP 616</b>		WATER	8-00018
<b>BRADFORD ST</b>		SEWER	
STA 1+00 TO STA 7+00		VOID	
CITY OF SAN DIEGO, CALIFORNIA ENGINEERING AND CAPITAL PROJECTS DEPARTMENT SHEET 27 OF SHEETS			
DATE:	DATE:	APPROVED:	PROJECT ENGINEER:
FOR CITY ENGINEER	BY	DATE	FILED
DESCRIPTION	BY	APPROVED	DATE
ORIGINAL	BT		
		216-1749	
		0000000-0000000	
		0000000-0000000	
CONTRACTOR	DATE STARTED	DATE COMPLETED	35594-27-D
INSPECTOR			



STAMP

BRADFORD ST

100% DESIGN



SCALE  
1" = 40' HORIZ.  
1" = 4' VERT.

PHASE 6 THIS SHEET

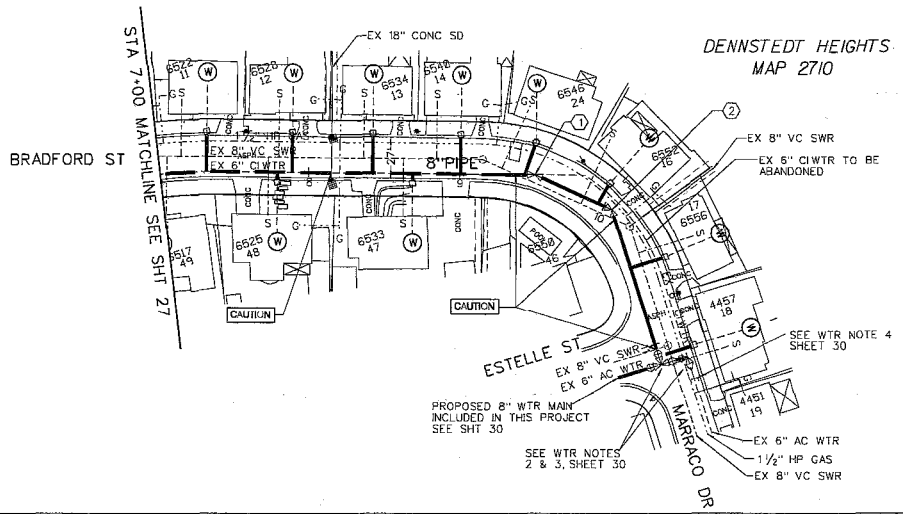
**HIGHLINING NOTE:**  
CITY FORCES TO HIGHLINE BRADFORD STREET FROM STA 7+00 TO 11+14 CITY FORCES TO FURNISH HIGHLINE MATERIALS AND TRANSFER SERVICES.

- ① BY CONTRACTOR FURNISH AND INSTALL STA 8+53.14 1" - 8" 22° BEND (MJ)
- ② BY CONTRACTOR FURNISH AND INSTALL STA 10+08.48 1" - 8" 45° BEND (MJ)

**REFERENCE:**  
WATER: 8352-L  
SEWER: 8352-L  
STORM DRAIN: B360-L  
GAS: 9-159F, 9-159G  
ELECTRIC: 216-1749  
CABLE TV: 216-749  
TELEPHONE: SD0101B9, SD0201AA  
**IMPROVEMENTS:**  
100' SCALE/FIELD BOOK: L185  
THOMAS' BROS.: 1270  
HGL: 845

**RETIREMENTS:**  
422' 6" CI 1951  
10 - 1" SERVICE

C-26

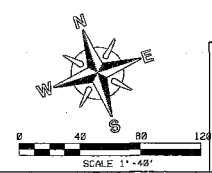


**WATER GROUP 616**  
BRADFORD ST  
STA 7+00 TO 11+16.62

CITY OF SAN DIEGO, CALIFORNIA  
ENGINEERING AND CAPITAL PROJECTS DEPARTMENT  
SHEET 28 OF       SHEETS

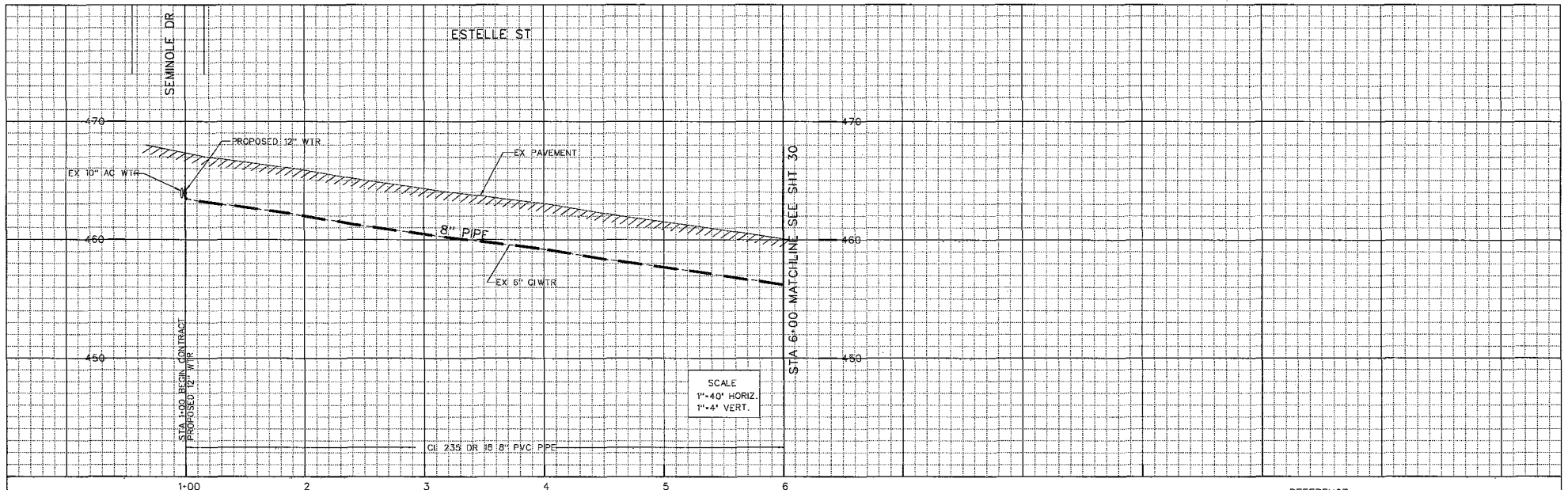
FOR CITY ENGINEER	DATE	WATER WBS NO.	B-00018
DESCRIPTION	BY	APPROVED	DATE
ORIGINAL	BT		FILED

DATE STARTED  
DATE COMPLETED  
**35594-28-D**



BRADFORD ST

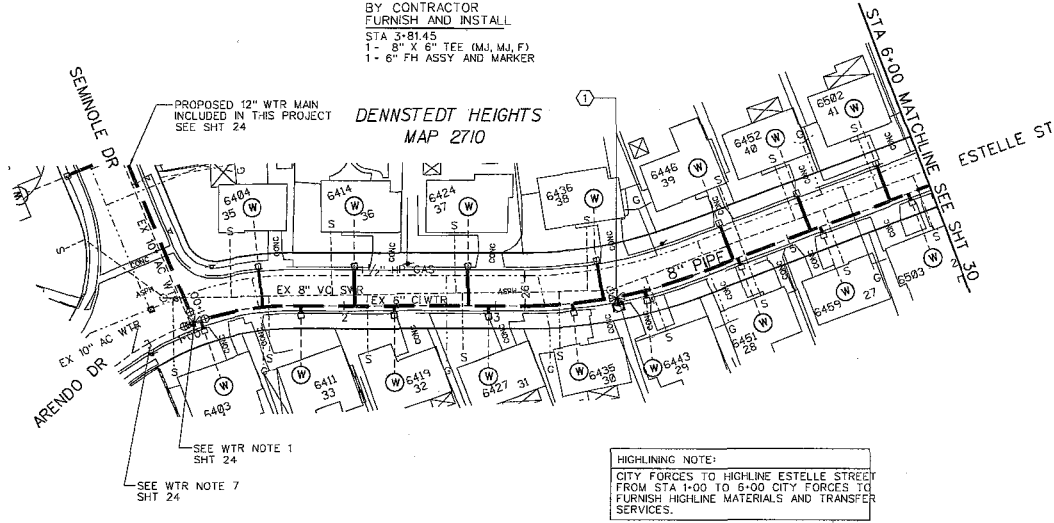




PHASE 6 THIS SHEET

- ① BY CONTRACTOR FURNISH AND INSTALL
- STA 3+81.45
- 1 - 8" X 6" TEE (MJ, MJ, F)
- 1 - 6" FH ASSY AND MARKER

SCALE  
1"=40' HORIZ.  
1"=4' VERT.

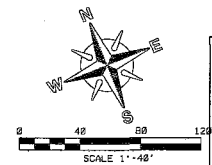


REFERENCE:  
WATER: 8044-13-D, 8362-L  
SEWER: 8362-L  
STORM DRAIN:  
GAS: 9-159F, 9-159G  
ELECTRIC: 216-1749  
CABLE TV: 216-749  
TELEPHONE: SD0101BB, SD0201AA  
IMPROVEMENTS:  
100' SCALE/FIELD BOOK: L18S  
THOMAS BROS.: 1270  
HGL: 645

RETIREMENTS:  
500' 6" CI 1951  
1 - FH (2-PORT) 1951  
16 - 1" SERVICE

C-27

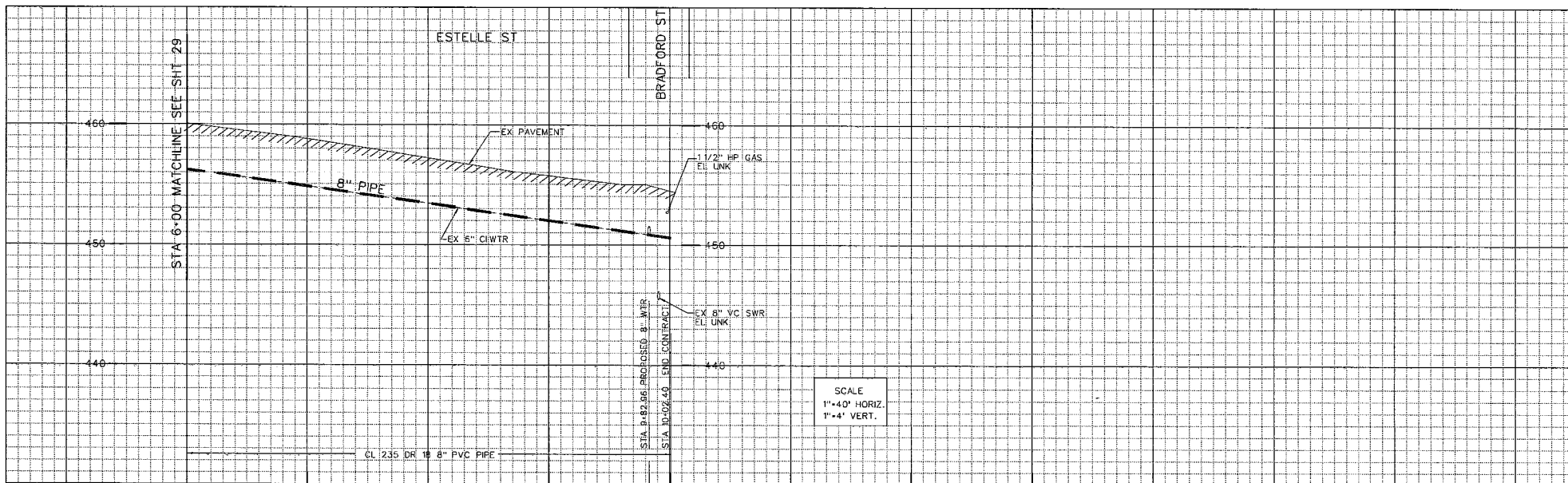
<b>WATER GROUP 616</b>		WATER B-00018 SEWER
<b>ESTELLE ST</b>		
STA 1+00 TO STA 6+00		
CITY OF SAN DIEGO, CALIFORNIA ENGINEERING AND CAPITAL PROJECTS DEPARTMENT SHEET 23 OF		
FOR CITY ENGINEER	DATE	DATE
DESCRIPTION	BY	APPROVED
ORIGINAL	BT	DATE
PROJECT ENGINEER		DATE
216-1749		DATE
0000000-0000000		DATE
CONTRACTOR	DATE STARTED	DATE COMPLETED
INSPECTOR	DATE COMPLETED	35594-29-D



STAMP

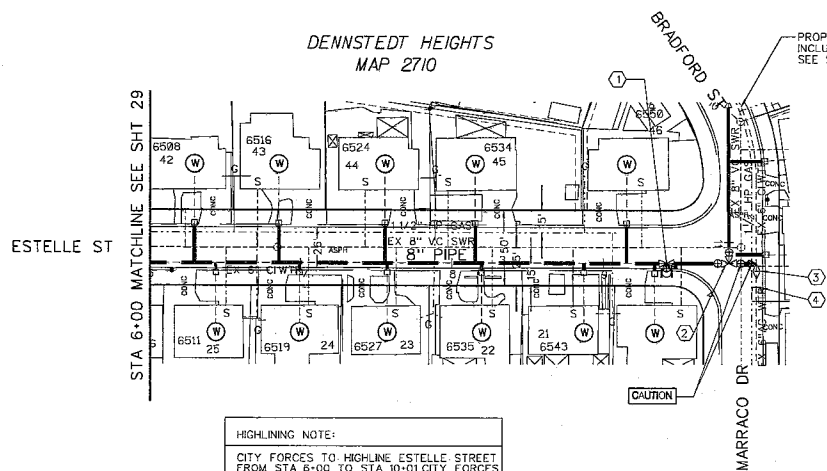
100% DESIGN

ESTELLE ST



PHASE 6 THIS SHEET

DENNSTEDT HEIGHTS  
MAP 2710



HIGHLIGHTING NOTE:

CITY FORCES TO HIGHLIGHT ESTELLE STREET FROM STA 6+00 TO STA 10+01 CITY FORCES TO FURNISH HIGHLINE MATERIALS TRANSFER SERVICES

- ① BY CONTRACTOR FURNISH AND INSTALL  
STA 8+43.19  
1 - 8" X 6" TEE (M, MJ, F)  
1 - 6" FH ASSY AND MARKER
- ② BY CONTRACTOR FURNISH AND INSTALL  
STA 9+84.36  
1 - 8" X 8" TEE (F)  
3 - 8" VALVES (F, MJ)
- ③ BY CONTRACTOR FURNISH AND INSTALL  
STA 10+02.40  
1 - 90° BEND (F, MJ)  
1 - 8" X 6" REDUCER (F, MJ)
- ④ BY CITY FORCES FURNISH & INSTALL AHD OF CONTRACTOR  
STA 10+02.40 LT 10'  
CUT AND PLUG:  
EX 6" AC WTR RECONNECT AFTER NEW MAIN HAS BEEN ACCEPTED.

REFERENCE:

WATER: 8362-L  
SEWER: 8362-L  
STORM DRAIN:  
GAS: 9-1597, 9-1598  
ELECTRIC: 216-1749  
CABLE TV: 216-749  
TELEPHONE: SD01018B, SD0201AA  
IMPROVEMENTS:  
100' SCALE/FIELD BOOK: L185  
THOMAS BRCS: 1270  
HGL: 645

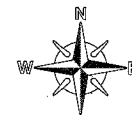
RETIREMENTS:

40" 6" CI 1951  
1 - FH (2-PORT) 1951  
11 - 1" SERVICES

C-28

WATER GROUP 616  
ESTELLE ST  
STA 6+00 TO STA 10+01

CITY OF SAN DIEGO, CALIFORNIA ENGINEERING AND CAPITAL PROJECTS DEPARTMENT SHEET NO. OF SHEETS				WATER SEWER WTR	B-00018
FOR CITY ENGINEER:	DATE	DATE	DATE	DATE	DATE
DESCRIPTION	BY	APPROVED	DATE	FILED	DATE
ORIGINAL	BT				
PROJECT ENGINEER Drew S. Evans					DATE STARTED
PROJECT ENGINEER					DATE COMPLETED
216-1749					35594-30-D
CDEP COORDINATOR					
0000000-0000000					
CONTRACTOR					
INSPECTOR					

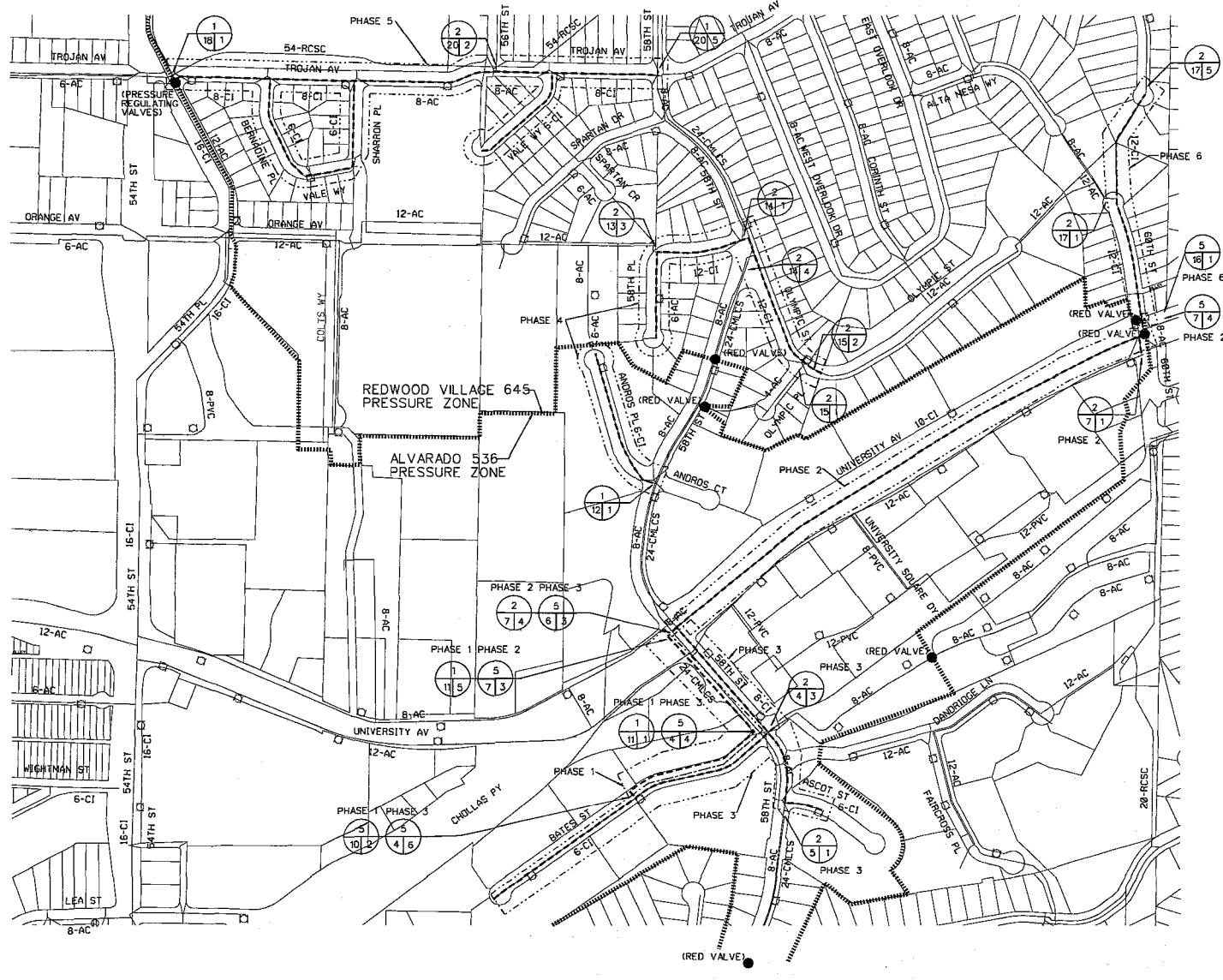


STAMP

100% DESIGN

ESTELLE ST

# WORK BY CITY FORCES



### LEGEND

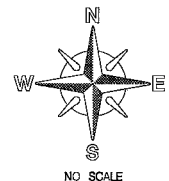
- EXISTING WATER MAIN
- PRESSURE ZONE BOUNDARY
- PROPOSED WATER MAIN
- FIRE HYDRANT TO REMAIN IN SERVICE DURING CONSTRUCTION
- FIRE HYDRANT TO BE REPLACED
- ① CITY FORCES NOTE NUMBER (THIS SHEET)
- ② CITY FORCES NOTE NUMBER (PLAN & PROFILE SHT.)
- ③ PLAN & PROFILE "D" SHEET NUMBER

### WORK BY CITY FORCES

- ① TEE/CROSS CUT-IN, OPEN/CLOSE VALVE(S)  
RECONNECT, OPEN VALVE(S)
- ② CUT & PLUG  
RECONNECT
- ③ CUT AND ABANDON
- ④ WET TAP
- ⑤ CLOSE EX. VALVE (REPLACE IF NEEDED)  
OPEN EX. VALVE

### AREA TO BE HIGHLIGHTED IN PHASES

- PHASE 1
- PHASE 2



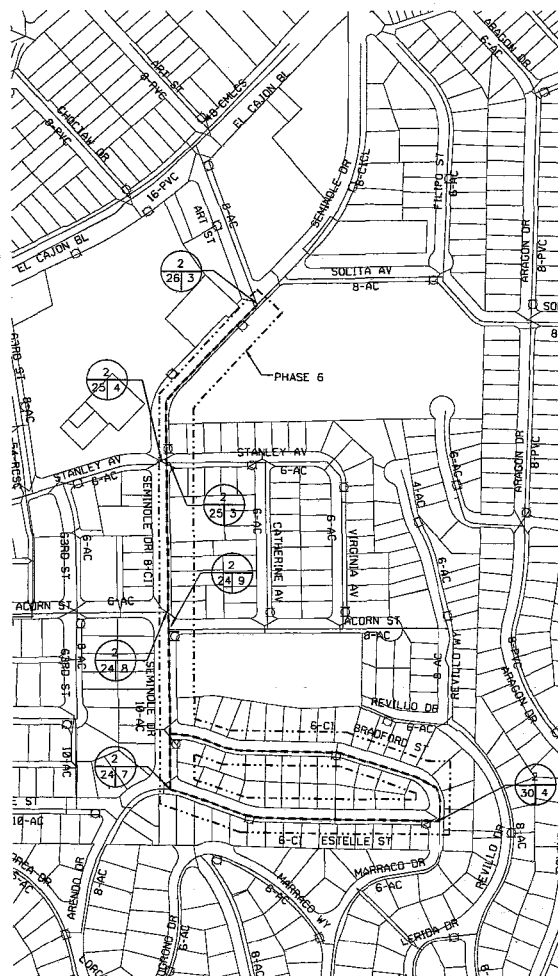
C-29

<b>WORK BY CITY FORCES</b>			
<b>WATER MAIN REPLACEMENT</b>			
<b>GROUP 616</b>			
CITY OF SAN DIEGO, CALIFORNIA ENGINEERING AND CAPITAL PROJECTS DEPARTMENT SHEET 31 OF			WATER - E-00018 SEWER - 100
DATE	BY	APPROVED	DATE
000-0000	BT		
0000			
000-0000			
0000			
CONTRACTOR	DATE STARTED	INSPECTOR	DATE COMPLETED

100% DESIGN

WORK BY CITY FORCES

# WORK BY CITY FORCES



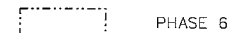
### LEGEND

- EXISTING WATER MAIN
- ..... PRESSURE ZONE BOUNDARY
- PROPOSED WATER MAIN
- FIRE HYDRANT TO REMAIN IN SERVICE DURING CONSTRUCTION
- FIRE HYDRANT TO BE REPLACED
- ③ CITY FORCES NOTE NUMBER (THIS SHEET)
- ②④⑤ CITY FORCES NOTE NUMBER (PLAN & PROFILE SHT.)
- ②④⑤ PLAN & PROFILE "D" SHEET NUMBER

### WORK BY CITY FORCES

- ① TEE/CROSS CUT-IN, OPEN/CLOSE VALVE(S)  
RECONNECT, OPEN VALVE(S)
- ② CUT & PLUG  
RECONNECT
- ③ CUT AND ABANDON
- ④ WET TAP
- ⑤ CLOSE EX. VALVE (REPLACE IF NEEDED)  
OPEN EX. VALVE

AREA TO BE HIGHLIGHTED IN PHASES

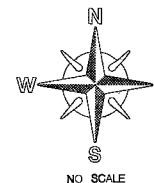


PHASE 6

C-30

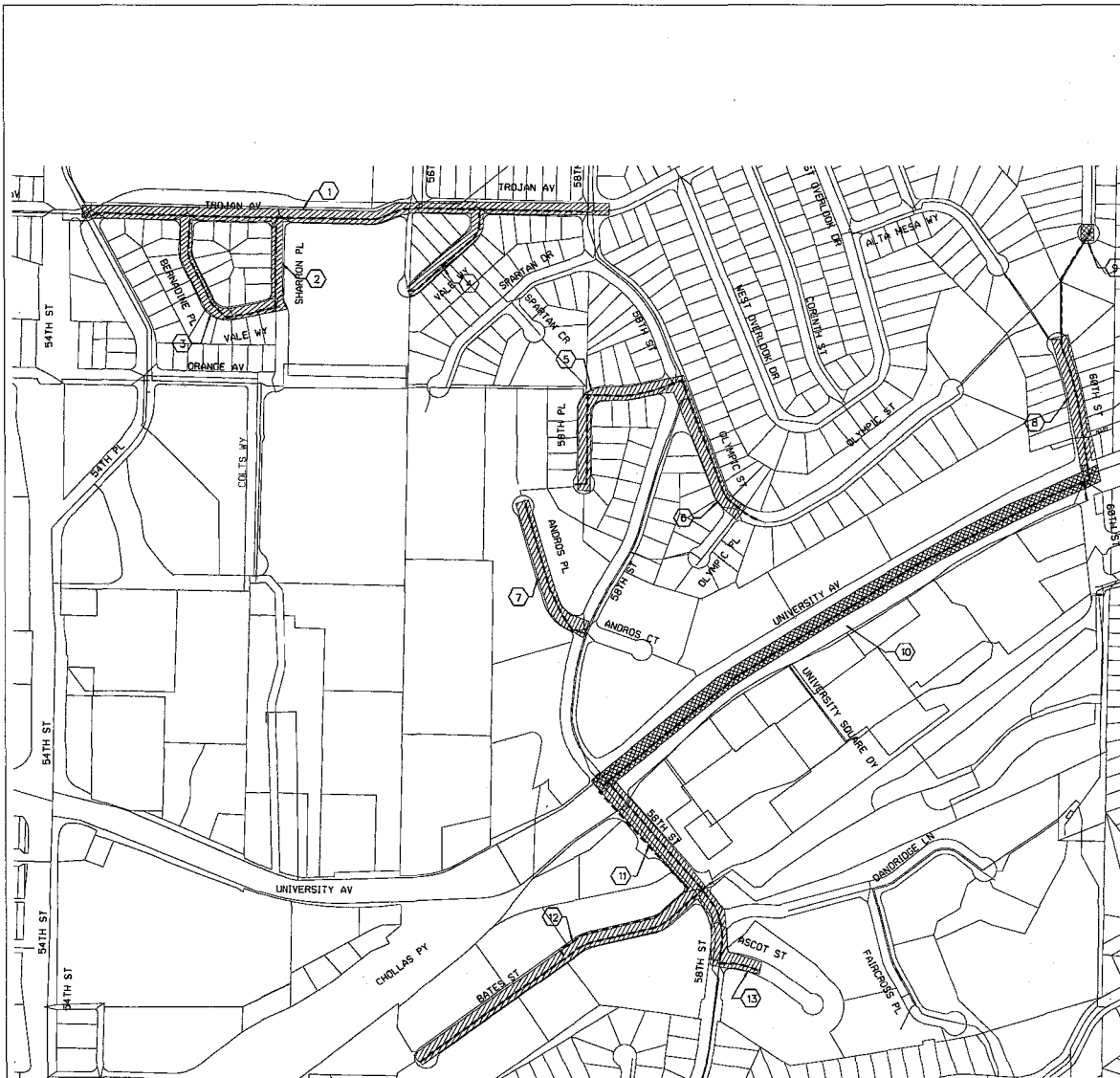
## WORK BY CITY FORCES WATER MAIN REPLACEMENT GROUP 616

CITY OF SAN DIEGO, CALIFORNIA ENGINEERING AND CAPITAL PROJECTS DEPARTMENT SHEET 32 OF SHEETS		WATER W.O. B-00018 SEWER W.O.
DESIGNER	DATE	REVISION
DESCRIPTION	BY	APPROVED
ORIGINAL	BT	DATE
		FILED
CONTRACTOR	DATE STARTED	35594-32-D
INSPECTOR	DATE COMPLETED	



100% DESIGN

WORK BY CITY FORCES



**LEGEND**

- APPROXIMATE LOCATION OF SLURRY SEAL
- APPROX. LIMITS OF RESURFACE AC OVERLAY
- LOCATION PER PAVING SCHEDULE NOTES (THIS SHEET)

COLD MILLING ASPHALT CONCRETE PAVEMENT: SDG-139

**PAVING SCHEDULE NOTES**

NO.	LOCATION	RESTORATION REQUIRED	STATION	STATION	WIDTH	APPROX. AREA
1	TROJAN AVE	AC OVERLAY	0+80.00	20+05.61	39.50	76,061.60
2	SHARRON PL	AC OVERLAY	7+04.06	10+42.81	37.04	12,282.98
3	BERNADINE PL	AC OVERLAY	1+13.53	7+00.00	33.25	19,500.13
4	VALE WAY	AC OVERLAY	0+84.65	5+13.83	33.09	14,201.57
5	58TH PL	AC OVERLAY	1+19.13	7+81.50	35.44	23,457.74
6	OLYMPIC ST	AC OVERLAY	7+84.50	11+79.07	33.34	23,173.63
7	ANDROS PL	AC OVERLAY	0+97.86	6+78.80	33.78	19,660.97
8	60TH ST	AC OVERLAY	0+73.71	8+29.35	35.98	10,991.93
9	60TH ST	SLURRY SEAL	10+00.44	10+56.10	VARIES	3,748.86
10	UNIVERSITY AV	SLURRY SEAL	0+94.34	22+75.94	VARIES	90,260.29
11	58TH ST	AC OVERLAY	22+22.84	10+61.01	37.84	31,712.41
12	BATES ST	AC OVERLAY	0+84.00	13+68.00	37.64	47,953.36
13	ASCOT ST	AC OVERLAY	0+75.00	2+29.66	33.69	5,241.43
14	SEMINOLE DR	AC OVERLAY	0+95.55	18+99.75	39.23	70,778.77
15	BRADFORD ST	AC OVERLAY	0+82.34	10+92.89	26.89	26,804.79
16	ESTELLE ST	AC OVERLAY	1+00.00	10+24.40	26.98	24,940.31
TOTAL AREA OF SLURRY SEAL						103,009.15 SF
TOTAL AREA OF RESURFACE AC						406,810 SF

STREET RESURFACING

C-31

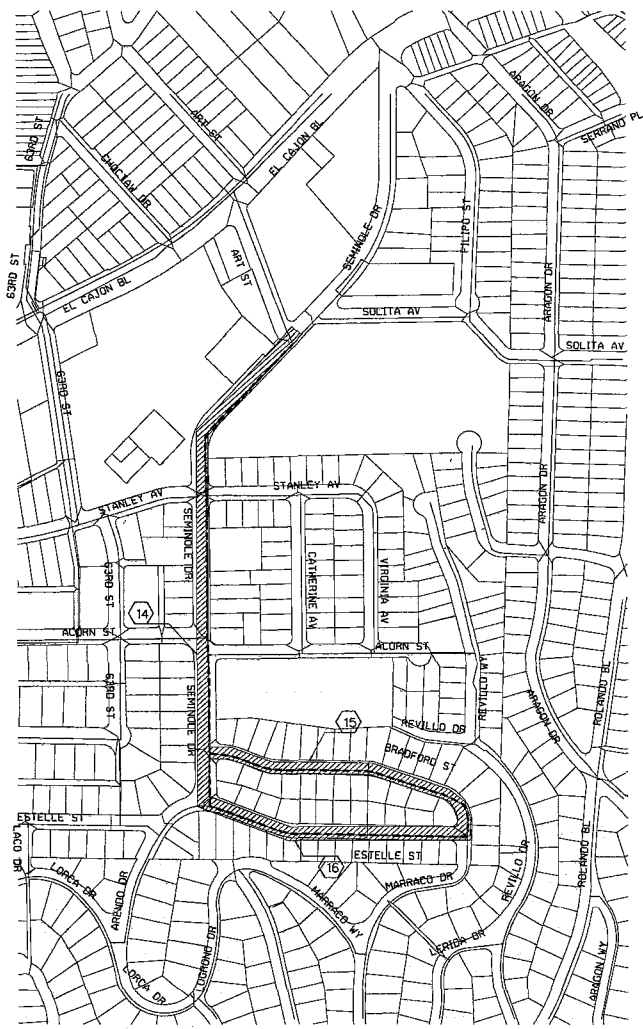
**WATER GROUP 616**  
**STREET RESURFACING**

CITY OF SAN DIEGO, CALIFORNIA  
ENGINEERING AND CAPITAL PROJECTS DEPARTMENT  
SHEET 33 OF SHEETS

WATER WBS: B-00018  
SEWER WBS:

DATE:   
BY:   
PROJECT NUMBER:   
DATE STARTED:   
DATE COMPLETED:   
CONTRACTOR:   
INSPECTOR:   
DATE STARTED:   
DATE COMPLETED:   
35594-33-D



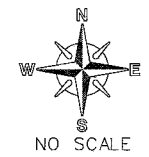


LEGEND	
	APPROXIMATE LOCATION OF SLURRY SEAL
	APPROX. LIMITS OF RESURFACE AC OVERLAY
	LOCATION PER PAVING SCHEDULE NOTES (THIS SHEET)
	COLD MILLING ASPHALT CONCRETE PAVEMENT: SDG-139

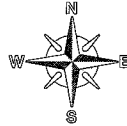
C-32

STREET RESURFACING

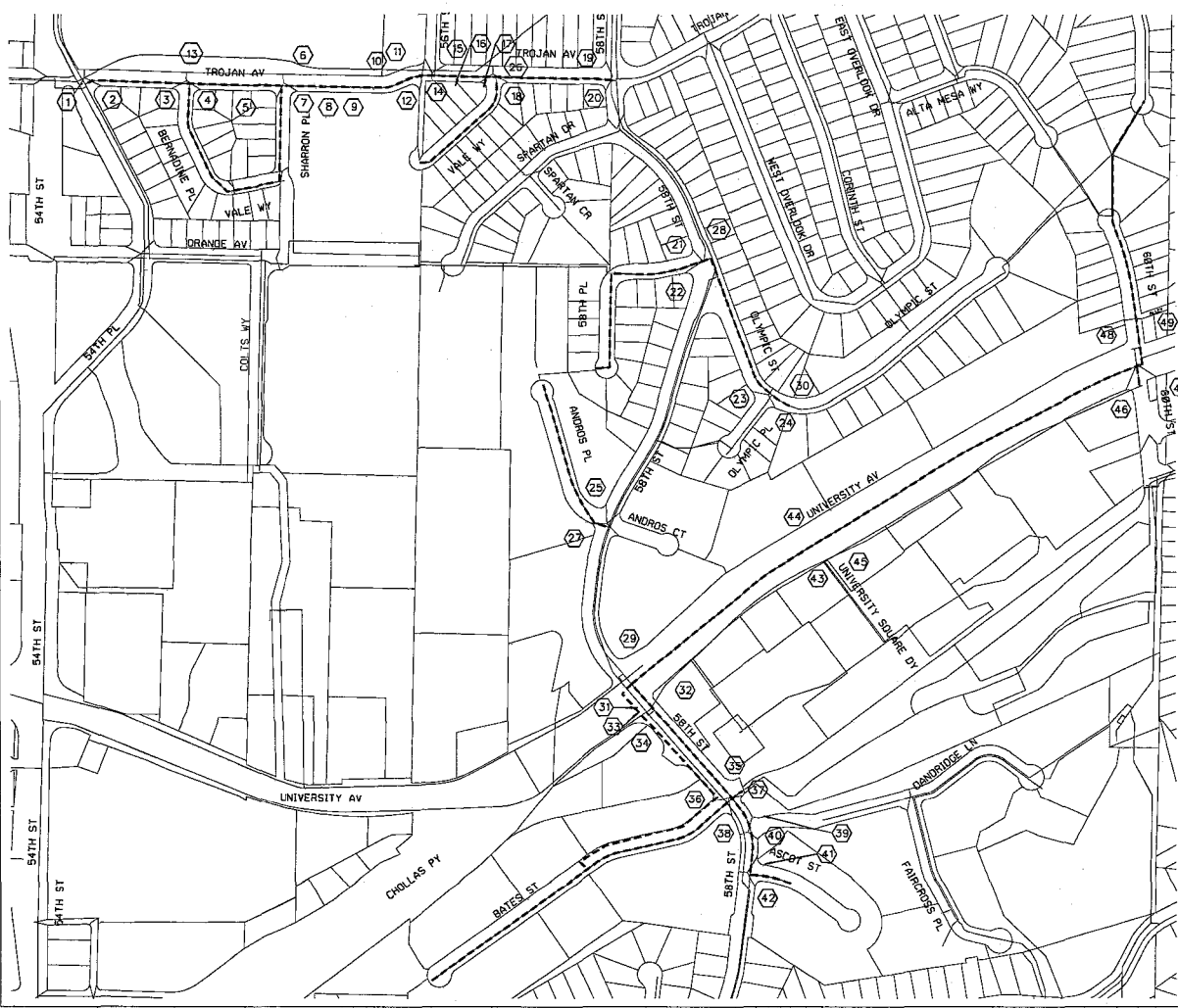
WATER GROUP 616 STREET RESURFACING		WATER WBS	B-00016
CITY OF SAN DIEGO, CALIFORNIA ENGINEERING AND CAPITAL PROJECTS DEPARTMENT SHEET 34 OF SHEETS		SEWER WBS	
FOR CITY INQUIRY:	DATE	DESIGNED BY	JOE MYERS
DESCRIPTION	BY	APPROVED	DATE
ORIGINAL	BT	DEAN S. EVANS	PROJECT ENGINEER
		DATE COORDINATE	
		SEE SHEETS	
		DATE COORDINATE	
CONTRACTOR	DATE STARTED	35594-34-D	
INSPECTOR	DATE COMPLETED		



100% DESIGN



NOTE:  
CONTRACTOR TO NOTIFY SURVEYING 30 DAYS  
PRIOR TO REMOVAL OF SIDEWALK FOR CURB RAMP  
CONSTRUCTION TO RELOCATE ANY SURVEY MARKERS.



CURB RAMP NOTES TABLE							COMMENTS / MODIFICATIONS
LOCATION (CIR)	RAMP TYPE	NEW	REPLACEMENT	HISTORIC STAMPS	TRUNCATED DOME MATERIAL	CONSTRAINTS	
1	C1		X	X			
2	C2						
3	C1	X					
4	C1	X					
5	C1	X					
6	C1	X					
7	C1	X					
8	C1	X					
9	C1	X					
10	D	X					
11	D	X					
12	D	X	X				
13	C1	X					
14	D	X	X				
15	C1	X	X				
16	C1	X					
17	C1	X					
18	C1	X					
19	C1	X					
20	C1	X	X				
21	C1	X					
22	C1	X					
23	C1	X					
24	C1	X					
25	C1	X	X				
26	C1	X					
27							NO WORK TO BE DONE
28	C1	X					
29	A	X	X				RELOCATE PUSH BUTTON & PROVIDE 36"X48" LANDING
30	C1	X	X				
31	A	X	X				CONCRETE ACROSS ISLAND TO RAMP
32	A	X	X				PROVIDE 36"X48" LANDING AT PUSH BUTTON
33							NO WORK TO BE DONE
34							NO WORK TO BE DONE
35	C1	X			X		
36	C1	X	X		X		
37	C1	X			X		
38	C1	X	X		X		
39	C1	X			X		
40	C1	X			X		
41	C1	X			X		
42	C1	X			X		
43	A	X			X		
44	C2	X	X		X		PROVIDE 36"X48" LANDING AT PUSH BUTTON
45	A	X			X		
46	C2	X	X		X		PROVIDE 36"X48" LANDING AT PUSH BUTTON
47	C1	X	X		X		
48	A	X	X		X		TRIM TREE, PROVIDE 36"X48" LANDING, REPLACE CURB
49	C1	X			X		

\* THE DETECTABLE WARNING TILES SHALL BE PER THE CITY'S APPROVED MATERIALS LIST

NO SCALE

C-33

**LEGEND**

- (8) CURB RAMP NO's
- EX UTILITY POLE
- EX FIRE HYDRANT
- EX STREET LIGHT
- EX TREE
- EX STREET SIGN
- EX CURB RAMP

PROPOSED CURB RAMPS PER STANDARD DRAWINGS

A & B	SDG-132
C1	SDG-134
C2	SDG-135
D	SDG-136
TRUNCATED DOMES	SDG-139
CURB RAMP DETAILS	SDG-137
EX STAMP/IMPRESSION PLACEMENT	SDG-115
ISLAND REFUGE/PASSAGEWAY DETAILS	SDG-138

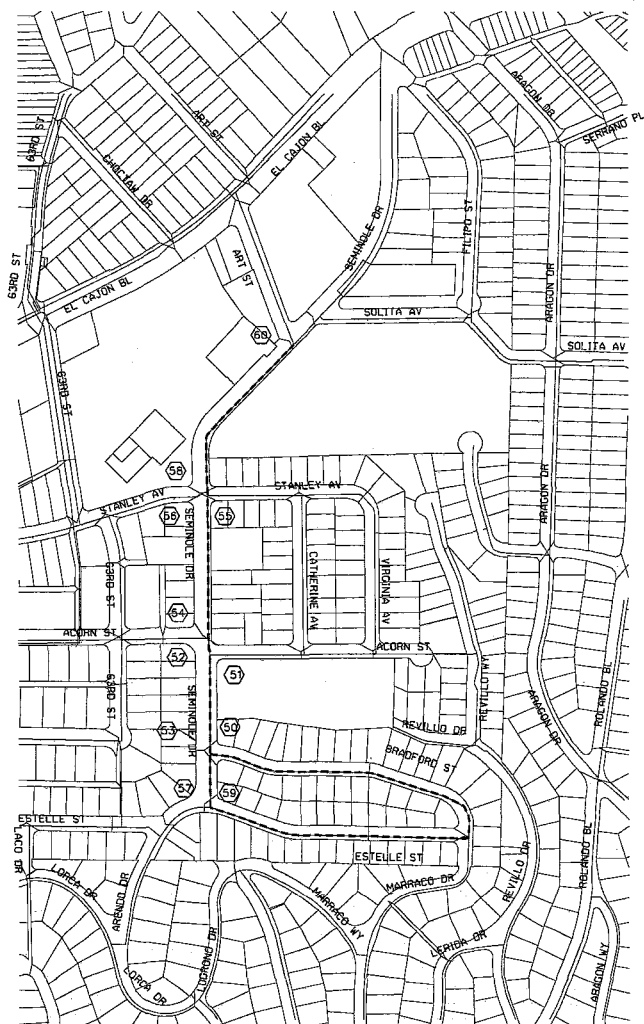
**WATER GROUP 616**  
**CURB RAMP LOCATION**

CITY OF SAN DIEGO, CALIFORNIA  
ENGINEERING AND CAPITAL PROJECTS DEPARTMENT  
SHEET 33 OF SHEETS

FOR CITY ENGINEER:	DATE	FILED	WATER	BO0018
DESCRIPTION	BY	APPROVED DATE	SEWER	
ORIGINAL	BT		ST	
				Joe Myers
				ASSISTIVE ENGINEER
				Dean S. Evans
				PROJECT ENGINEER
				SEE SHEETS
				0007 DOCUMENT
				SEE SHEETS
				0006 DOCUMENT
CONTRACTOR	DATE STARTED			35594-35-D
INSPECTOR	DATE COMPLETED			

100% DESIGN

CURB RAMP LOCATION



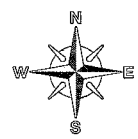
CURB RAMP NOTES TABLE								
LOCATION (C)	RAMP TYPE	NEW	REPLACEMENT	HISTORIC STAMPS	TRUNCATED DOME MATERIAL		CONSTRAINTS	COMMENTS / MODIFICATIONS
					STAINLESS STEEL	OTHER		
50	C1	X				X		
51	C1	X				X		
52	C1	X				X		
53	C1	X				X		
54	C1	X				X		
55	C1	X		X		X		RETAIN HISTORICAL STAMP
56	C1	X				X		
57	C1	X				X		
58	C2	X		X		X		
59	C1	X				X		
60	C1		X			X		
61								
62								
63								
64								
65								
66								
67								

\* THE DETECTABLE WARNING TILES SHALL BE PER THE CITY'S APPROVED MATERIALS LIST

NOTE:  
CONTRACTOR TO NOTIFY SURVEYING 30 DAYS  
PRIOR TO REMOVAL OF SIDEWALK FOR CURB RAMP  
CONSTRUCTION TO RELOCATE ANY SURVEY MARKERS.

C-34

CURB RAMP LOCATION



NO SCALE

LEGEND	
(B)	CURB RAMP NO'S
+	EX UTILITY POLE
□	EX FIRE HYDRANT
○	EX STREET LIGHT
T	EX TREE
+	EX STREET SIGN
□	EX CURB RAMP

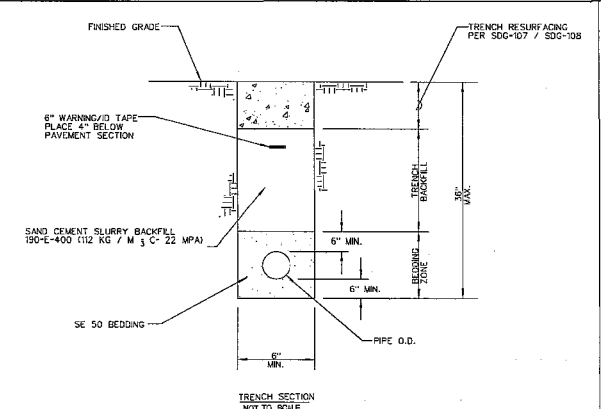
PROPOSED CURB RAMP PER STANDARD DRAWINGS	
A & B	SDG-132
C1	SDG-134
C2	SDG-135
D	SDG-136
E	SDG-137
F	SDG-138

TRUNCATED DOMES	
EX CURB RAMP DETAILS	SDG-115
EX STAMP/IMPRESSION PLACEMENT	SDG-116
ISLAND REFUGE/PASSAGEWAY DETAILS	SDG-138

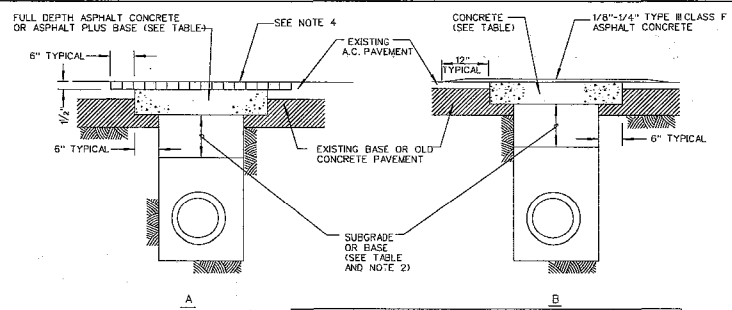
WATER GROUP 616			
CURB RAMP LOCATION			
CITY OF SAN DIEGO, CALIFORNIA		WATER - B-00018	
ENGINEERING AND CAPITAL PROJECTS DEPARTMENT		SEWER -	
SHEET 36 OF SHEETS		JOB NO.	
FOR CITY ENGINEER	DATE	APPROVED BY	DATE
ORIGINAL	BY	DATE	FILED
		DESIGNER: DEAN S. EVANS	
		PROJECT ENGINEER	
		SEE SHEETS	
		COORDINATOR	
		SEE SHEETS	
		COORDINATOR	
		SEE SHEETS	
		COORDINATOR	
CONTRACTOR	DATE STARTED	35594-36-D	
INSPECTOR	DATE COMPLETED		





- NOTES:
1. THE PROPOSED WATER SERVICE SHALL BE SECURED IN CENTER OF THE TRENCH.
  2. SAND CEMENT SLURRY BACKFILL SHALL BE THOROUGHLY CONSOLIDATED TO ENCASE CONDUITS. TAMPERS OR VIBRATORS SHALL BE USED.
  3. EXISTING PAVEMENT WILL NOT REQUIRE SAW CUTTING WHEN USING ROCKWHEEL FOR EXCAVATION EXCEPT WHEN THE EXISTING PAVEMENT IS CONCRETE AND TRENCH FINISH IS CONCRETE.
  4. ALL CUTS SHALL BE PARALLEL OR PERPENDICULAR TO STREET CENTERLINE, WHEN PRACTICAL.
  5. IN MAJOR OR PRIME ARTERIAL STREETS, ON APPROVAL SET ACCELERATING ADMIXTURE, SUCH AS CALCIUM CHLORIDE, MAY BE USED ONLY WITH PRIOR APPROVAL OF THE AGENCY'S ENGINEER OTHERWISE THE CONTRACTOR SHALL PROTECT THE TRENCH WITH THE APPROVAL OF THE AGENCY'S ENGINEER.

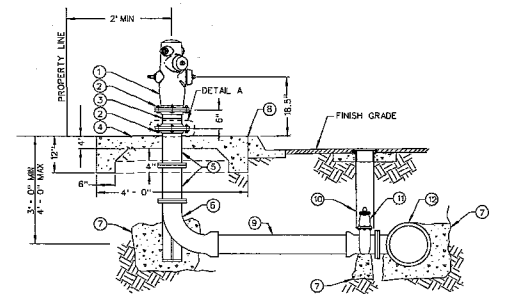
NARROW TRENCH FOR 1" & 2" WATER SERVICES



	ASPHALT	ASPHALT PLUS BASE	CONCRETE
MIX DESIGN	3/4" TYPE #3 CLASS B	3/4" TYPE #3 CLASS B3 PLUS CLASS II	560-C-3250
ALLEYS	18.0"	BASE ASPHALT THICKNESS TO EQUAL 18.5"	
LOCAL THROUGH 4 LANE COLLECTORS	10.0"	EXISTING PLUS 1", MIN. 4" TO MAX. 6"	7.0"
MAJOR OR GREATER	12.0"	COMBINED ASPHALT PLUS BASE 18" MIN. 9.0"	

- NOTES:
1. EXISTING PAVEMENT SHALL BE REMOVED IN ACCORDANCE WITH 300-1.3.
  2. SUBGRADE PREPARATION, BASE AND ASPHALT PLACEMENT SHALL BE DONE IN ACCORDANCE WITH SECTIONS 301-1, 301-2, AND 302-5. CONCRETE PLACEMENT SHALL BE DONE IN ACCORDANCE WITH 302-6.
  3. ANY STREET TRENCH 7 FEET IN WIDTH OR GREATER AND LONGER THAN 100 FEET IN OVERLENGTH SHALL BE RECONSTRUCTED WITH THE PAVEMENT SECTION FOR THE STREET CLASSIFICATION PER SCHEDULE "J" (SDG-113).
  4. TRENCH CAPS IN STREETS NOT RECEIVING A FULL WIDTH OVERLAY PRIOR TO ACCEPTANCE SHALL BE MILLED AS SHOWN AND RESURFACED WITH 1/2" TYPE #3 CLASS C2 ASPHALT NO LESS THAN 30 DAYS AFTER INITIAL ASPHALT PLACEMENT.
  5. 560-C-3250 CONCRETE TREATED WITH A MINIMUM 2% CALCIUM CHLORIDE SOLUTION IN ACCORDANCE WITH 201-1 OR 650-CW-4000 CONCRETE MAY BE OPENED TO TRAFFIC 3 DAYS AFTER IT IS PLACED. 650-CW-4000 CONCRETE TREATED IN THE SAME MANNER MAY BE OPENED TO TRAFFIC 24 HOURS AFTER IT IS PLACED. CONCRETE SPECIFIED BY ALTERNATE CLASS OR OTHERWISE CONTAINING FLY ASH IS NOT ALLOWED.

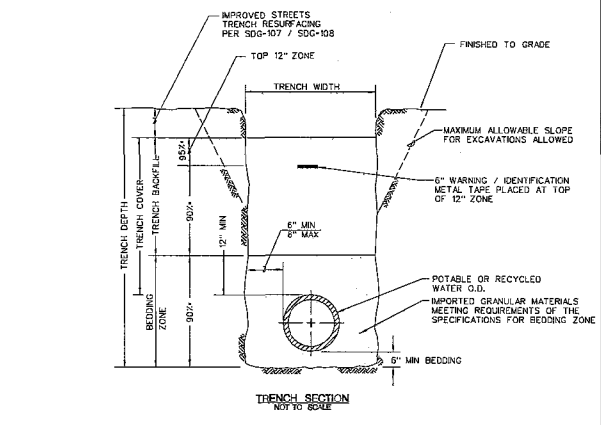
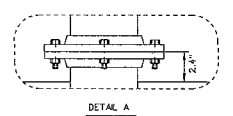
TRENCH RESURFACING FOR ASPHALT CONCRETE SURFACED STREETS NO SCALE



ITEM NO.	DESCRIPTION	ITEM NO.	DESCRIPTION
1	6" WET BARREL FIRE HYDRANT	7	CONCRETE THRUST BLOCK - SEE WT-01
2	.75" X 3.5" MIN HEX HEAD BREAKAWAY (SHEAR) BOLTS AND NUTS (ASTM A307) SHALL BE 3/4" INCH NC THREAD, HEX HEAD ON TOP OF FLANGES (ALL)	8	COLD JOINT STRIP
3	6" CAST IRON BREAKAWAY SPOOL WITH 0.25"-V (SINGLE OR DOUBLE) BREAK OFF GROOVE	9	PIPE - 6" C-900 PVC
4	4" X 4" X 4" THICK CONCRETE PAD WITH 6" X 12" DEEP THICKENED EDGE AROUND PERIMETER OF CONCRETE PAD	10	GATE WELL WITH CAP - SEE WV-01 OR WV-02
5	6" CAST IRON EXTENSION NON-GROOVED SPOOL - AS REQUIRED (P, F)	11	6" GATE VALVE (MJ / PO, F)
6	6" LONG RADIUS BASE ELBOW (P, PO / MJ)	12	TEE - SIZE X 6" (MJ, M, F)

- NOTES:
1. NUMBER OF OUTLETS SHALL BE AS SHOWN ON THE PLANS.
  2. CONNECT TO BASE OF THE HYDRANT WITH SHEAR BOLTS INSTALLED WITH HEX HEAD ON TOP OF THE FLANGE. 1 1/2" / 64 INCH DIAMETER HOLE 2 INCHES DEEP IN BOLTS, GALVANIZED AFTER BORING. THE HOLE SHALL BE FILLED WITH SILICON BEFORE INSTALLATION.
  3. CONNECT BREAKAWAY SPOOL TO EXTENSION SPOOL WITH HEX HEAD ON TOP OF FLANGE

FIRE HYDRANT INSTALLATION



NOTES:

1. (\*) INDICATES MINIMUM RELATIVE COMPACTION.
2. MINIMUM COVER 36" FOR POTABLE AND 48" FOR RECYCLED WATER MAIN

TRENCH WIDTH		
NOMINAL PIPE INSIDE DIAMETER	MINIMUM DISTANCE	MAXIMUM DISTANCE
4" (100mm) & SMALLER	18" (450mm)	28" (700mm)
6" & 8" (150mm & 200mm)	24" (600mm)	33" (850mm)
10" & 12" (250mm & 300mm)	28" (700mm)	36" (900mm)
16" THRU 36" (400mm THRU 900mm) PLUS 24" (600mm) OD PLUS 36" (900mm)		

PIPE BEDDING AND TRENCH BACKFILL FOR POTABLE AND RECYCLED WATER MAINS

C-35

WATER GROUP 616  
MISC DETAILS

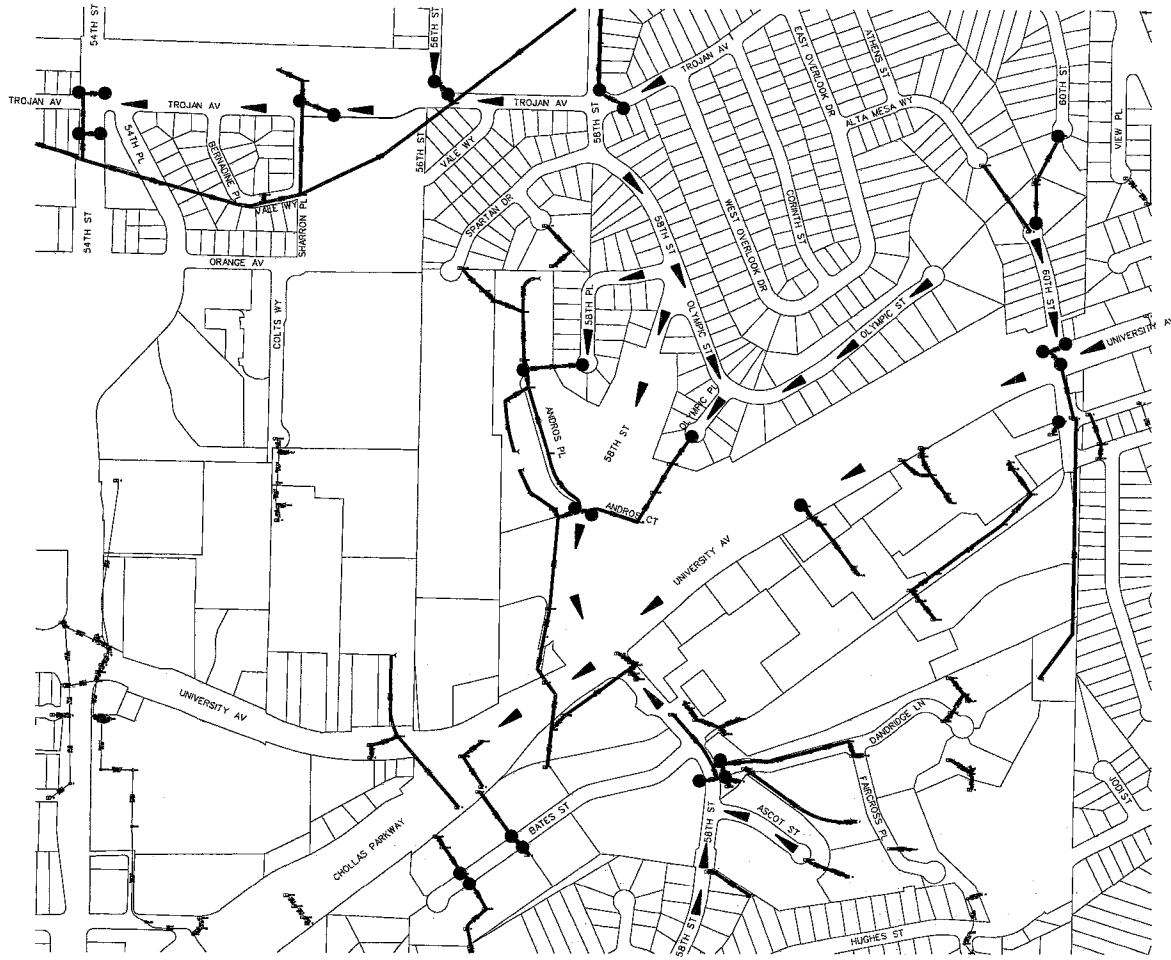
CITY OF SAN DIEGO, CALIFORNIA  
ENGINEERING AND CAPITAL PROJECTS DEPARTMENT  
SHEET 37 OF SHEETS

WATER MAINS  
SPWER  
E-00018

FOR CITY ENGINEER	DATE	APPROVATE ENGINEER
DESCRIPTION	APPROVED DATE FILED	PROJECT ENGINEER
ORIGINAL	BT	GENERAL SUPERVISION
		SEE EACH SHEET
		UNLESS OTHERWISE
CONTRACTOR	DATE STARTED	35594-37-D
INSPECTOR	DATE COMPLETED	

100% DESIGN

MISC DETAILS



NOTES:

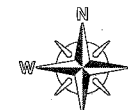
1. THE INFORMATION ON THIS SITE PLAN IS INTENDED TO BE USED AS A GUIDELINE FOR THE CONTRACTOR AND SUBCONTRACTOR TO INSTALL WATER POLLUTION CONTROL DEVICES AT GENERAL LOCATIONS THROUGHOUT THE PROJECT SITE. THIS SITE PLAN IS TO BE USED IN CONJUNCTION WITH THE NARRATIVE SECTION OF THE WATER POLLUTION CONTROL PLAN (WPCL) AND WATER POLLUTION CONTROL SPECIFICATIONS.
2. INLET PROTECTION REQUIRED AT ALL STORM DRAINS RECEIVING RUNOFF FROM DISTURBED SOIL AREAS.
3. CONTRACTOR TO UPDATE / REVISE SHEET AS NECESSARY.
4. THE INFORMATION ON THE SITE PLAN IS ACCURATE FOR WATER POLLUTION CONTROL PURPOSES ONLY.

LEGEND

SURFACE FLOW TO STORM DRAIN	▲
STORM DRAINS AFFECTED BY CONSTRUCTION	●
EX STORM DRAINS	○
SHEET NO's	

C-36

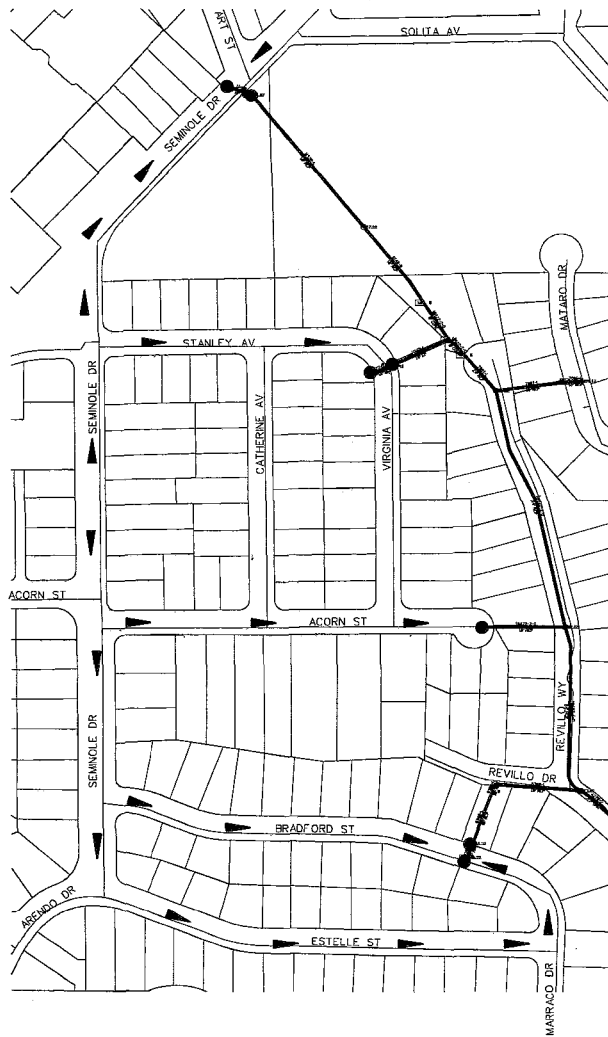
<b>WATER GROUP 616</b>			
<b>WATER POLLUTION CONTROL SITE PLAN</b>			
CITY OF SAN DIEGO, CALIFORNIA ENGINEERING AND CAPITAL PROJECTS DEPARTMENT SHEET 38 OF _____ SHEETS			WATER WBS - R60016 SEWER WBS - _____
FOR CITY ENGINEER	DATE	APPROVED ENGINEER	
DESCRIPTION	BY	APPROVED	DATE FILED
ORIGINAL	BT		
		PROJECT ENGINEER	
		COSM COORDINATOR	
		SEE SHEETS	
		COSM COORDINATOR	
CONTRACTOR	DATE STARTED	PROJECT NO.	
INSPECTOR	DATE COMPLETED		<b>35594-38-D</b>



NO SCALE

NOTE:  
THIS SHEET IS USED FOR PROJECTS WITH LESS THAN  
ONE (1) ACRE IN DISTURBED SOIL AREAS.

**100% DESIGN**



NOTE:  
THIS SHEET IS USED FOR PROJECTS WITH LESS THAN  
ONE (1) ACRE IN DISTURBED SOIL AREAS.

NOTES:

1. THE INFORMATION ON THIS SITE PLAN IS INTENDED TO BE USED AS A GUIDELINE FOR THE CONTRACTOR AND SUBCONTRACTOR TO INSTALL WATER POLLUTION CONTROL DEVICES AT GENERAL LOCATIONS THROUGHOUT THE PROJECT SITE. THIS SITE PLAN IS TO BE USED IN CONJUNCTION WITH THE NARRATIVE SECTION OF THE WATER POLLUTION CONTROL PLAN (WPCCP) AND WATER POLLUTION CONTROL SPECIFICATIONS.
2. INLET PROTECTION REQUIRED AT ALL STORM DRAINS RECEIVING RUNOFF FROM DISTURBED SOIL AREAS.
3. CONTRACTOR TO UPDATE / REVISE SHEET AS NECESSARY.
4. THE INFORMATION ON THE SITE PLAN IS ACCURATE FOR WATER POLLUTION CONTROL PURPOSES ONLY.

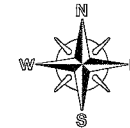
LEGEND

- SURFACE FLOW TO STORM DRAIN ARROWS
- STORM DRAINS AFFECTED BY CONSTRUCTION
- NEW SEWER MAIN
- SHEET NO'S



C-37

<b>WATER GROUP 616</b>		WATER NO. <b>800018</b>
<b>WATER POLLUTION CONTROL SITE PLAN</b>		SEWER NO. _____
CITY OF SAN DIEGO, CALIFORNIA ENGINEERING AND CAPITAL PROJECTS DEPARTMENT SHEET 59 OF _____ SHEETS		DATE _____
FOR CITY ENGINEER	DATE	ASSOCIATE ENGINEER
DESCRIPTION	BY (APPROVED)	DATE FILED
ORIGINAL	BT	
		PROJECT ENGINEER
		DATE
		CONTRACTOR
		SEE SHEETS
		GROUP NUMBER
CONTRACTOR	DATE STARTED	35594-39-D
INSPECTOR	DATE COMPLETED	



NO SCALE

**100% DESIGN**

BATES STREET

Table with columns: STATION, EASTING, NORTHING. Rows 1-7.

SHEET 4

Table with columns: STATION, EASTING, NORTHING. Rows 7-14.

ASCOT & 58TH STREET

Table with columns: STATION, EASTING, NORTHING. Rows 1-6.

58TH STREET

Table with columns: STATION, EASTING, NORTHING. Rows 6-10.

UNIVERSITY AVENUE

Table with columns: STATION, EASTING, NORTHING. Rows 1-8.

SHEET 8

Table with columns: STATION, EASTING, NORTHING. Rows 8-18.

SHEET 9

Table with columns: STATION, EASTING, NORTHING. Rows 18-22.

UNIVERSITY-60TH SOUTH LEG

Table with columns: STATION, EASTING, NORTHING. Rows 22-24.

(NEW MAIN) BATES STREET

Table with columns: STATION, EASTING, NORTHING. Rows 0-6.

(NEW MAIN) 58TH STREET

Table with columns: STATION, EASTING, NORTHING. Rows 6-10.

EASEMENT WATER MAIN

Table with columns: STATION, EASTING, NORTHING. Rows 5-10.

60TH STREET

Table with columns: STATION, EASTING, NORTHING. Rows 1-5.

ANDROS PLACE

Table with columns: STATION, EASTING, NORTHING. Rows 1-6.

58TH PLACE

Table with columns: STATION, EASTING, NORTHING. Rows 1-5.

58TH PLACE & OLYMPIC

Table with columns: STATION, EASTING, NORTHING. Rows 5-10.

OLYMPIC STREET

Table with columns: STATION, EASTING, NORTHING. Rows 10-14.

TROJAN AVENUE

Table with columns: STATION, EASTING, NORTHING. Rows 1-7.

SEMINOLE DR

Table with columns: STATION, EASTING, NORTHING. Rows 1-8.

SHEET 20

Table with columns: STATION, EASTING, NORTHING. Rows 13-19.

BERNADINE PLACE

Table with columns: STATION, EASTING, NORTHING. Rows 1-7.

SHARRON PLACE

Table with columns: STATION, EASTING, NORTHING. Rows 7-10.

VALE WAY

Table with columns: STATION, EASTING, NORTHING. Rows 1-5.

ESTELLE ST

Table with columns: STATION, EASTING, NORTHING. Rows 1-6.

SHEET 30

Table with columns: STATION, EASTING, NORTHING. Rows 6-10.

SHEET 25

Table with columns: STATION, EASTING, NORTHING. Rows 8-15.

SHEET 26

Table with columns: STATION, EASTING, NORTHING. Rows 15-18.

BRADFORD ST

Table with columns: STATION, EASTING, NORTHING. Rows 1-7.

SHEET 28

Table with columns: STATION, EASTING, NORTHING. Rows 7-11.

C-38

Water Group 616 Horizontal Alignment Coordinate Index Report form with fields for project name, date, and contractor.

STAMP

100% DESIGN

GENERAL REVEGETATION NOTES:

1. REVEGETATION OF THE PROJECT AREA SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE CITY OF SAN DIEGO LANDSCAPE STANDARDS AND CITY SPECIFICATIONS UNDER THE DIRECTION OF THE RESIDENT ENGINEER (RE) AND PROJECT BIOLOGIST.
2. THE REVEGETATION OF TOPSOIL FROM THE SITE SHALL BE SALVAGED. IF SOIL IS IRRECOVERABLE AND/OR DISPOSED BY THE RE AND PROJECT BIOLOGIST. PROJECT SOILS SHALL BE STORED AND USED WITHIN THE LIMITS OF THE PROJECT AND NOT TRANSPORTED TO OTHER SITES. EROSION CONTROL MEASURES SHALL BE INSTALLED AROUND THE STOCKPILE TO PREVENT EROSION AND AS A BUFFER TO PREVENT ANY UNWANTED ACCESS OR AS RECOMMENDED BY THE PROJECT BIOLOGIST.
3. PRIOR TO REVEGETATION AND/OR PLANT INSTALLATION, THE PROJECT BIOLOGIST SHALL PROVIDE WRITTEN RECOMMENDATIONS TO THE RE AS TO THE SALVAGED SOIL RELOCATION/RECOMPACTION (60% MAXIMUM PERCENT WITHIN TOP 18 INCHES) AND/OR PREPARATION FOR REVEGETATION PURPOSES TO BE DONE BY THE CONTRACTOR IF TOPSOIL CANNOT BE SALVAGED. CLEAN AND WEED-FREE CLIPS AT TOPSOIL WILL BE PROVIDED AND INSTALLED BY CONTRACTOR.
4. SEED MIX AND/OR CONTAINER STOCKING FOR EROSION CONTROL AND ON SLOPES SHALL ACHIEVE 100 PERCENT (OR AS APPROVED BY THE PROJECT BIOLOGIST AND CITY REPRESENTATIVE BASED ON SITE CONDITIONS) LITER PER SQUARE FOOT COVERAGE WITHIN 30 MONTHS OF BEING INSTALLED AFTER THE 120 DAY PREP ESTABLISHMENT PERIOD (PPF). AT THE END OF YEAR 1, PLANT COVERAGE SHALL BE AT LEAST 60 PERCENT COVER AS VERIFIED BY THE PROJECT BIOLOGIST TABLE 1).
5. REVEGETATION OF MANUFACTURED SLOPES AND OTHER DISTURBED AREAS ADJACENT TO AREAS OF NATIVE VEGETATION SHALL BE ACCOMPLISHED IN A MANNER SO AS TO PROVIDE VEGETAL AND HORTICULTURAL COMPATIBILITY WITH THE UNDERLYING NATIVE PLANT MATERIALS.
6. INVASIVE PLANT SPECIES PLANT MATERIALS ARE LIMITED TO THOSE LISTED IN THE CITY'S LANDSCAPE STANDARDS AND SHALL BE ERADICATED AND REMOVED BY CONTRACTOR AND NATIVE PLANT SPECIES SHALL BE USED IN NATIVE PLAZAS AREAS.
7. REVEGETATION AND EROSION CONTROL MEASURES, ALL REQUIRED REVEGETATION AND EROSION CONTROL SHALL BE COMPLETED WITHIN 90 CALENDAR DAYS OF THE COMPLETION OF GRADING OR DISTURBANCE IN ORDER TO START THE 120 DAY PPF OR AS RECOMMENDED BY THE RE AND PROJECT BIOLOGIST.
8. ALL SLOPES 2:1 OR GREATER SHALL REQUIRE BIODEGRADABLE EROSION CONTROL BLANKET OR OTHER SOPE PROTECTION METHOD AS PROVIDED BY CONTRACTOR AS RECOMMENDED BY THE PROJECT BIOLOGIST PRIOR TO THE INSTALLATION OF THE REVEGETATION OR IN THE EVENT OF SLOPE OR EROSION CONTROL FAILURE. ALL EROSION CONTROL MEASURES USED SHALL BE CREATED FROM ON-SITE VEGETATION IF FEASIBLE AND SHALL BE CLEAN, FREE FROM WEEDS, SEEDS AND DEBRIS AS CERTIFIED BY THE SUPPLIER AS APPLICABLE.
9. CONTRACTOR SHALL CORRECT ALL SOIL EROSION AND SHALL REPAIR AND/OR REPOSE ALL ABOVE GROUND EROSION CONTROL BMPs DAMAGED DURING THE 120 DAY PPF AND THROUGHOUT THE 25 MONTH MAINTENANCE AND MONITORING PERIOD. ANY ABOVE GRADE EROSION CONTROL MEASURES SUCH AS BUT NOT LIMITED TO Silt Fencing, GRASS STRIPS, RUBBER TIES, AND/OR MESH SHALL BE REMOVED BY THE CONTRACTOR, ALLOWING ACCEPTANCE OF THE 25 MONTH MAINTENANCE AND MONITORING PERIOD BY RE AND PROJECT BIOLOGIST. ALL HAY/STRAW PRODUCTS SHALL BE UNCLEAN, CLEAN AND FREE OF WEED SEEDS AND OBSTACLE.
10. 1) REPLACEMENT OF ORNAMENTALS (WHEN) SHALL BE MONITORED AND MAINTAINED FOR A PERIOD OF NO LESS THAN 30 DAYS TO ENSURE SUCCESSFUL ESTABLISHMENT OF PLANTING PER CONTRACT SPECIFICATIONS.
11. 1) ORNAMENTAL CONSTRUCTION SHALL BE INSTALLED AND MAINTAINED BY CONTRACTOR AT THE INSTALLATION OF ALL REVEGETATION PLANT MATERIALS TO BE 100% PLANT AND UNTIL THE END OF THE 25 MONTH MAINTENANCE AND MONITORING PERIOD. FOLLOWING ACCEPTANCE OF THE 25 MONTH MAINTENANCE AND MONITORING PERIOD BY THE CITY REPRESENTATIVE AND PROJECT BIOLOGIST THE CONTRACTOR SHALL REMOVE ALL ORNAMENTAL IRONING.
12. CONTRACTOR SHALL REMOVE ALL TRASH AND DEBRIS FROM THE REVEGETATION SITE PRIOR TO AND FOLLOWING THE REVEGETATION INSTALLATION, AND UNTIL THE END OF THE 25 MONTH MAINTENANCE AND MONITORING PERIOD. CONTRACTOR SHALL REMOVE ALL TEMPORARY IRRIGATION LINES AND APPURTENANCES FOLLOWING ACCEPTANCE OF REVEGETATION BY THE RE AND CITY REPRESENTATIVE.

TEMPORARY IRRIGATION:

1. UNDER THE DIRECTION OF THE RE AND PROJECT BIOLOGIST, TEMPORARY IRRIGATION WILL BE APPLIED AS FOLLOWS:
2. HYDROSEED AND/OR CONTAINER PLANTS SHALL BE PLANTED BETWEEN OCTOBER 1<sup>ST</sup> AND FEBRUARY 1<sup>ST</sup> DURING RAINY SEASON. PROJECT BIOLOGIST SHALL RECOMMEND TEMPORARY IRRIGATION MEASURES AS NEEDED.
3. CONTRACTOR SHALL PROVIDE METHODS OF IRRIGATION AND SHALL PROVIDE IRRIGATION LINES AND APPURTENANCES TO FORMATION AUTOMATICALLY.
4. HYDROSEED AND/OR CONTAINER PLANTS BETWEEN FEBRUARY 1<sup>ST</sup> AND OCTOBER 1<sup>ST</sup> SHALL REQUIRE A COMPREHENSIVE IRRIGATION PLAN AND APPROVAL BY CITY REPRESENTATIVE AND PROJECT BIOLOGIST. CONTRACTOR SHALL PREPARE AND SUBMIT THE PLAN TO THE RE FOR APPROVAL. CONTRACTOR SHALL PROVIDE ALL IRRIGATION LINES AND APPURTENANCE TO FORMATION AUTOMATICALLY AND IN ACCORDANCE WITH THE PLAN AND NAME ANY APPURTENANCES AS RECOMMENDED BY THE PROJECT BIOLOGIST.
5. TEMPORARY IRRIGATION WITH IRRIGATION LINES AND APPURTENANCES (ORAL TERTIARY METHOD) APPROVED BY RE AND PROJECT BIOLOGIST SHALL BE PROVIDED BY THE CONTRACTOR FOR A PERIOD SUFFICIENT TO ESTABLISH PLANT MATERIAL AND TO PROVIDE VEGETATION COVER THAT PREVENTS SOIL EROSION. THE AMOUNT OF IRRIGATION MUST BE ADJUSTED WHEN WARRANTED BY SITE CONDITIONS. PROJECT BIOLOGIST AND LANDSCAPE ARCHITECTS SHALL METHOD TO TEST THE IRRIGATION SYSTEM AND ANY ADDITIONAL REPAIRS OR FEATURES ARE REQUIRED FOR TEMPORARY IRRIGATION.
6. IRRIGATION SHALL BE PERFORMED IN A MANNER THAT AVOIDS RUNOFF, SEEPAGE, AND OVERWATERING. OVERWATERING PROPERTIES NON-IRRIGATED AREAS, WALLS, ROADWAYS, OR STRUCTURES.
7. THE WATER DELIVERY RATE SHALL BE MATCHED TO THE SLOPE GRADIENT AND THE PERMEATION RATE OF THE SOIL.
8. IRRIGATION SHALL DELIVER WATER SUFTLY AND UNIFORMITY AND SHALL BE APPROPRIATE TO THE NEEDS OF THE PLANT MATERIALS. RECOMMENDED REFERRED MATERIALS FOR IRRIGATION SYSTEMS DESIGN ARE LISTED IN APPENDIX "A" OF THE CITY'S LANDSCAPE STANDARDS.
9. OVERWATERING AS INDICATED BY SOOY SOILS CONTINUALLY WET PAVEMENT, STANDING WATER, RUNOFF IN STREET OUTLETS AND OTHER SIMILAR CONDITIONS SHALL BE MANAGED AND PREVENTED.
10. IF THE PROJECT BIOLOGIST RECOMMENDS AN ALTERNATIVE IRRIGATION METHOD SUCH AS TRUCK WATERING, ALL VEHICLES SHALL STAY OFF THE REVEGETATION ACCESS ROADS AND SHALL NOT DRIVE BEYOND THE REVEGETATION BOUNDARY.

SEED MIXES:

1. SEED MIXES IDENTIFIED SHALL BE APPLIED IN ALL NON-HYDROSEED AREAS DISTURBED BY THE PROJECT. THE SEED SHALL BE INSTALLED VIA HYDROSEED METHODS. UNLESS OTHERWISE DIRECTED BY THE PROJECT BIOLOGIST, SEED APPLIED THROUGH A MAJOR SHALL BE COVERED BY CONTRACTOR WITH SUITABLE BIODEGRADABLE COVER AS APPROVED BY THE PROJECT BIOLOGIST.
2. ALL SEEDS SHALL MEET THE MINIMUM PURE LIVE SEED AS NOTED IN TABLE 2. MINIMUM PURE LIVE SEED QUANTITY CANNOT BE MET CONTRACTOR TO COORDINATE AND OBTAIN WRITTEN APPROVAL FROM THE PROJECT BIOLOGIST FOR ALTERNATIVE COVERAGE.
3. ALL SEEDS SHALL ORIGINATE FROM WITHIN THE PROJECT SITE (E.G. 10 MILES RADIUS) OF THE PROJECT SITE OR CONTRACTOR TO PROVIDE EVIDENCE THAT THE SEED IS NOT AVAILABLE AND NOTIFY THE CITY REPRESENTATIVE AND PROJECT BIOLOGIST FOR ALTERNATIVE COMPLIANCE. CONTRACTOR SHALL RETAIN AND SUBMIT ALL SEED TAGS FOR SEED PRODUCTS TO BE USED TO THE RE AND PROJECT BIOLOGIST PRIOR TO APPLICATION.

HYDROSEEDING PRODUCTS:

1. SEEDS SHALL OCCUR ONLY AFTER THE PROJECT BIOLOGIST HAS OBSERVED AND APPROVED THAT THE SITE HAS BEEN PROPERLY PREPARED.
2. ALL SOILS DIRECTED BY THE RE AND PROJECT BIOLOGIST TYPE 1 MUD/SOIL OR FIBER OR BONDED FIBER MATRIX (FBM) SHALL BE APPLIED AT THE MINIMUM RATES OF 1,500 POUNDS PER ACRE, HYDROSEED PREMIUM COMPOST OF 50% SHALL BE APPLIED AT THE MINIMUM RATE OF 1,000 POUNDS PER ACRE, OR EQUAL. SHALL BE APPLIED AT THE MINIMUM RATE OF 60 POUNDS PER ACRE, 4X10 MUD/SOIL, INDUOLIM OR EQUAL SHALL BE APPLIED AT THE MINIMUM RATE OF 40 POUNDS PER ACRE.
3. TYPE 1 MUD/SOIL (WOOD FIBER OR FBAM) AND HYDROSEED COMPOST SHALL BE UNIFORMLY SPREAD AND MIXED WITH TYPE 1 MUD/SOIL ESTABLISHING EMULSIONS UNDER A 40 MPH RATE OF 195 LBS PER ACRE. THE BRANDER SHALL BE AN ORCAD OR EQUIVARIANT OR A HYDROSEED ADJUSIVE, OR AS DIRECTED BY THE PROJECT BIOLOGIST.
4. A WETTING AGENT CONSISTING OF ONE TON PURE AGRICULTURAL GLYCEROL (99% ALKYL POLYETHYLENE GLYCOL) EITHER OR AS APPROVED BY THE BIOLOGIST SHALL BE APPLIED AS PER MANUFACTURER'S RECOMMENDATIONS, OR RECOMMENDED BY THE BIOLOGIST.
5. EQUIPMENT USED FOR THE APPLICATION OF SLURRY SHALL HAVE A SYSTEM OF IRRIGATION TO SUSPEND AND HOMOGENEOUSLY MIX THE SLURRY. THE SLURRY MIX SHALL BE DYE GREEN. THE EQUIPMENT MUST HAVE A PUMP CAPABLE OF APPLYING SLURRY UNIFORMLY.

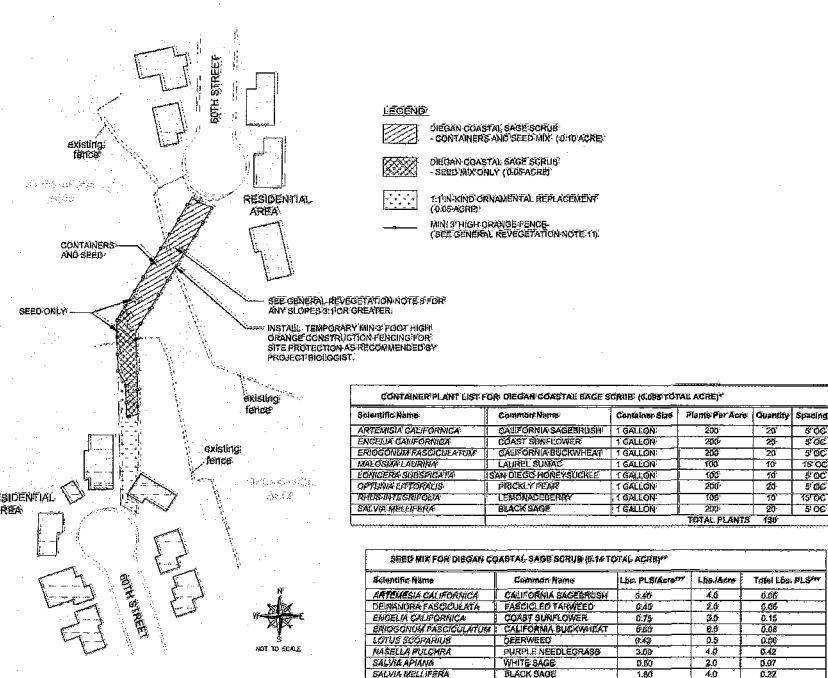
CONTAINER PLANT PROCEDURES:

1. IN ADDITION TO THE TABLES, CONTRACTOR SHALL SUPPLY AND PLANT UP TO 2000 (1) GALLON CONTAINER PLANTS PER ACRE OF NON-INVASIVE AND/OR NATIVE PLANTS AT THE RECOMMENDATION AND UNDER THE DIRECTION OF THE RE AND PROJECT BIOLOGIST. PROJECT BIOLOGIST SHALL CONSIDER THE 120 PPF, 25 MONTH MAINTENANCE AND MONITORING PERIOD, SUGGEST CRITERIA, IN THE EVENT THAT ADDITIONAL CONTAINER PLANTS ARE RECOMMENDED BY THE BIOLOGIST FOR INSTALLATION.
2. CONTAINER PLANTS SHALL BE AGENCY QUALIFIED TO PROPAGATE AND CARE FOR PLANT SPECIES. SOURCE FOR ANY NATIVE CONTAINER PLANT MATERIALS SHALL ORIGINATE WITHIN 25-MILES FROM THE VICINITY WITH SAN DIEGO COUNTY TO THE EXTENT PRACTICAL, IS WITHIN 25 MILES RADIUS, OR AS APPROVED BY THE RE AND PROJECT BIOLOGIST.
3. CONTAINER PLANT MATERIALS SHALL BE DELIVERED TO THE PROJECT SITE AT THE APPROPRIATE TIME, IN A HEALTHY AND VIGOROUS CONDITION AND UNLESS CLEARLY, THE PROJECT BIOLOGIST WILL REJECT PLANT MATERIAL DELIVERED PRIOR TO ITS PLANTING DATE. SPECIMENS SHOWING EVIDENCE OF DISEASE, MISHANDLING, DEFECTS OR DAMAGE, OVER OR UNDERWATERING, OR OTHER DEFICIENCY AT THE TIME OF DELIVERY WILL BE REJECTED.
4. CONTAINER PLANTS WILL BE PLANTED BY THE CONTRACTOR FOR REVIEW AND APPROVAL BY THE PROJECT BIOLOGIST IN THE REVEGETATION AREAS. THE SUGGESTED CONTAINER PLANT INSTALLATION PROGRAMS SHALL BE AS DIRECTED BY THE RE AND PROJECT BIOLOGIST.

MAINTENANCE REQUIREMENTS:

1. REVEGETATION AREA SHALL BE MAINTAINED FOR A PERIOD OF NO LESS THAN 25 MONTHS (TABLE 2) OR AS DETERMINED BY THE RE AND PROJECT BIOLOGIST. ALL REVEGETATED AREAS SHALL BE MAINTAINED BY THE CONTRACTOR UNTIL FINAL APPROVAL BY THE CITY. THE MAINTENANCE PERIOD BEGINS ON THE FIRST DAY FOLLOWING ACCEPTANCE AT THE END OF 120 DAY PPF AND MAY BE EXTENDED AT THE DISCRETION OF THE CITY REPRESENTATIVE AND RE.
2. PRIOR TO FINAL APPROVAL, THE CITY REPRESENTATIVE MAY REQUIRE CORRECTIVE ACTION INCLUDING BUT NOT LIMITED TO WEED ERADICATION AND APPROVAL, REPLANTING, THE PROMOTION OF MODIFICATION OR IRRIGATION SYSTEMS, AND THE REPAIR OF ANY SOIL EROSION OR SOPE SLURPAGE. IN CONSULTATION WITH THE PROJECT BIOLOGIST.
3. THE 120 DAY PPF FOLLOWS HYDROSEED APPLICATION. THE END OF THE 120 DAY PPF IS 25 MONTHS MAINTENANCE AS WELL AS ACCEPTANCE FOLLOWING THE MAINTENANCE PERIOD IS DETERMINED BY THE CITY REPRESENTATIVE IN CONSULTATION WITH PROJECT BIOLOGIST.
4. WEEDING, HERBICIDE, AND/OR PESTICIDE APPLICATION SHALL BE DONE REGULARLY BY CONTRACTOR. WEEDING SHALL BE DONE AT A MINIMUM OF ONCE WEEKLY UNTIL THE END OF THE 120 DAY PPF AND MONTHLY THROUGHOUT THE 25 MONTHS OF MAINTENANCE. WEEDS SHALL BE PREVENTED BY DIGGING. CONTRACTOR SHALL OBTAIN APPROVAL FROM CITY REPRESENTATIVE AND PROJECT BIOLOGIST PRIOR TO HERBICIDE APPLICATION AND SHALL APPLY HERBICIDES PER MANUFACTURER'S RECOMMENDATION AND ANY STATE OF CALIFORNIA GUIDELINES. CONTRACTOR MUST POSSESS A VALID STATE PESTICIDE APPLICATOR LICENSE AT ALL TIMES.
5. CONTRACTOR SHALL CONTROL WEEDS AS IDENTIFIED BY THE PROJECT BIOLOGIST SUCH THAT NO WEED COVER EXCEEDS 5% OF THE PROJECT SITE, BEFORE THEY EXCEED TWELVE INCHES (12") IN HEIGHT, AND BEFORE THEY SET SEED. AREAS WHERE WEEDING CREATES IN EXCESS OF 25 SQUARE FEET OF BARE SOIL SHALL BE REPLANTED AND MAINTAINED BY CONTRACTOR.
6. IN AREAS WHERE NON-NATIVE GRASSLANDS HAVE BEEN DISTURBED, ALL COVERAGE REQUIREMENTS CAN BE ACHIEVED BY ESTABLISHMENT OF NATIVE OR NONNATIVE GRASSES OR FORBS THAT ARE NOT LISTED IN THE CITY OF SAN DIEGO LANDSCAPE GUIDELINES AS INVASIVE PLANT SPECIES AND ARE NOT RATED BY THE CALIFORNIA INVASIVE PLANT COUNCIL (CAL-IP) AS HIGHLY INVASIVE.

REVEGETATION PLAN



**CONTAINER PLANT LIST FOR OREGON COASTAL SAGE SCRUB (0.676 TOTAL ACRE)**

Scientific Name	Common Name	Container Size	Plants Per Acre	Quantity	Spacing
Artemisia californica	CALIFORNIA SAGEBRUSH	1 GALLON	200	20	5'OC
Encelia californica	CHARTER BURN-CREWER	1 GALLON	200	20	5'OC
Encelia fasciculata	CALIFORNIA BUCKWHEAT	1 GALLON	200	20	5'OC
Malva californica	LAUREL SUMAC	1 GALLON	100	10	15'OC
Conocarpus strictiflorus	SAN DIEGO HORSESHOE BERRY	1 GALLON	200	10	5'OC
Opuntia leptocaulis	PRICKLY PEAR	1 GALLON	200	20	5'OC
Rhus microcarpa	LEBBOW-BUCKLE	1 GALLON	100	10	15'OC
Salvia mellifera	BLACK SAGE	1 GALLON	200	20	5'OC
<b>TOTAL PLANTS</b>				<b>1000</b>	

**SEED MIX FOR OREGON COASTAL SAGE SCRUB (0.676 TOTAL ACRE)**

Scientific Name	Common Name	Lbs. PLS/Acr <sup>2</sup>	Lbs./Acre	Total Lbs. PLS <sup>2</sup>	
Artemisia californica	CALIFORNIA SAGEBRUSH	3.49	4.6	0.66	
Depewia fasciculata	PARISIC FLY-TAWNEED	0.68	2.5	0.66	
Encelia californica	COAST BURN-CREWER	0.76	2.6	0.14	
Encelia fasciculata	CALIFORNIA BUCKWHEAT	0.67	0.6	0.08	
Lotus scoparius	DEERWEED	0.82	0.5	0.07	
Mussaenda holosericea	WINDY 7 WEEDEGRASS	2.07	4.8	0.42	
Salvia mellifera	WHITE SAGE	0.80	2.0	0.07	
Salvia mellifera	BLACK SAGE	1.80	4.0	0.22	
<b>TOTAL POUNDS</b>				<b>25.9</b>	<b>1.68</b>

NOTES COMMON TO SEEDED AND PLANTED AREAS:

- CONTAINER PLANT TAGS SHALL BE SUBMITTED TO THE RE AND PROJECT BIOLOGIST PRIOR TO INSTALLATION OF CONTAINER STOCK.
- CONTAINER PLANTS SHALL BE PLACED WITHIN REVEGETATION CORRIDOR AT THE LOCATIONS RECOMMENDED AND UNDER THE DIRECTION OF THE PROJECT BIOLOGIST.
- SEED TAGS SHALL BE SUBMITTED TO THE RE AND PROJECT BIOLOGIST PRIOR TO APPLICATION OF SEED.
- THE SEED MIX IS COMPOSED OF NATIVE SPECIES. ANY POTENTIAL SUBSTITUTIONS MUST BE APPROVED BY THE PROJECT BIOLOGIST PRIOR TO APPLICATION OF SEED.
- SOIL SHALL BE PREPARED WITHIN 3 DAYS OF SEEDING TO A DEPTH OF 6 INCHES, OR AS RECOMMENDED BY THE PROJECT BIOLOGIST.
- POUNDS OF PURE LIVE SEED PER ACRE (PLS) IS CALCULATED AS THE MINIMUM PERCENT PURE LIVE SEED (PLS) MULTIPLIED BY THE RECOMMENDED POUNDS PER ACRE (PLA).
- PLS IS THE MINIMUM PERCENT PURE LIVE SEED PER POUND OF SEED. THE PERCENTAGE IS CALCULATED BY MULTIPLYING THE PERCENT SEED PURITY BY PERCENT SEED GERMINATION, WHICH SHALL BE THE METHOD USED BY THE PROJECT BIOLOGIST TO DETERMINE SEED QUALITY, UNLESS THE BIOLOGIST SPECIFICALLY REQUESTS THE SPLS METHOD TO BE USED.

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**TABLE 1: SUCCESS CRITERIA**

PARAMETER	PERCENT VEGETATION COVER	PLANT SURVIVAL
HYDROSEEDING		
CONTAINER PLANTS*		
PERFORMANCE STANDARD	YEAR 1: 60 PERCENT	YEAR 1: 100 PERCENT
IMPACT AREA	25 MONTHS: 100 PERCENT	25 MONTHS: 80 PERCENT
CONTAINER PLANTS		
PERFORMANCE STANDARD	YEAR 1: 60 PERCENT	YEAR 1: 100 PERCENT
ACCESS PATH	25 MONTHS: 100 PERCENT	25 MONTHS: 80 PERCENT

**TABLE 2: SUMMARY AND SCHEDULE FOR MAINTENANCE, MONITORING, AND REPORTING FOR PROJECT**

PERIOD	ACTIVITY FOR PROJECT BIOLOGIST/CONTRACTOR	MONITORING SITE VISIT FREQUENCY	REPORTS/SUBMITTALS FREQUENCY	REPORTING FREQUENCY
REVEGETATION INSTALLATION	PROJECT BIOLOGIST WILL BE RESPONSIBLE FOR MONITORING LANDSCAPE CONTRACTOR WILL BE RESPONSIBLE FOR INSTALLATION AND MAINTENANCE.	AS REQUESTED AT LEAST ONCE EVERY TWO WEEKS.	REPORTS PREPARED BY THE BIOLOGIST (BASED ON THE REVEGETATION PLAN CRITERIA)	AT SUCCESSFUL INSTALLATION (AS DETERMINED BY THE PROJECT BIOLOGIST)
120 DAY PPF	PROJECT BIOLOGIST WILL BE RESPONSIBLE FOR MONITORING LANDSCAPE CONTRACTOR WILL BE RESPONSIBLE FOR MAINTENANCE.	MONTHS 1 & 2: BIWEEKLY MONTHS 3 & 4: AT LEAST ONCE A MONTH	REPORTS PREPARED BY THE BIOLOGIST (BASED ON THE REVEGETATION PLAN CRITERIA)	AT THE END OF PPF*
25-MONTH LONG TERM MAINTENANCE & MONITORING	PROJECT BIOLOGIST WILL BE RESPONSIBLE FOR MONITORING LANDSCAPE CONTRACTOR WILL BE RESPONSIBLE FOR MAINTENANCE.	EVERY 3 MONTHS	REPORTS PREPARED BY THE BIOLOGIST (BASED ON THE REVEGETATION PLAN CRITERIA)	EVERY 3 MONTHS FOR THE FIRST 9 MONTHS THEN QUARTERLY FOR THE REMAINING 16 MONTHS**

\*NOTE: IF 25 MONTH SUCCESS CRITERIA ARE NOT MET, THE MAX PROGRAM VISIT IS EXTENDED AS RECORDED. QUARTERLY MAINTENANCE AND MONITORING SHALL CONTINUE AS NEEDED.  
 \*\*PPF, 1 YEAR AND 25 MONTH FINAL REPORTS; REQUIRED TO INCLUDE ABOVE INFORMATION.

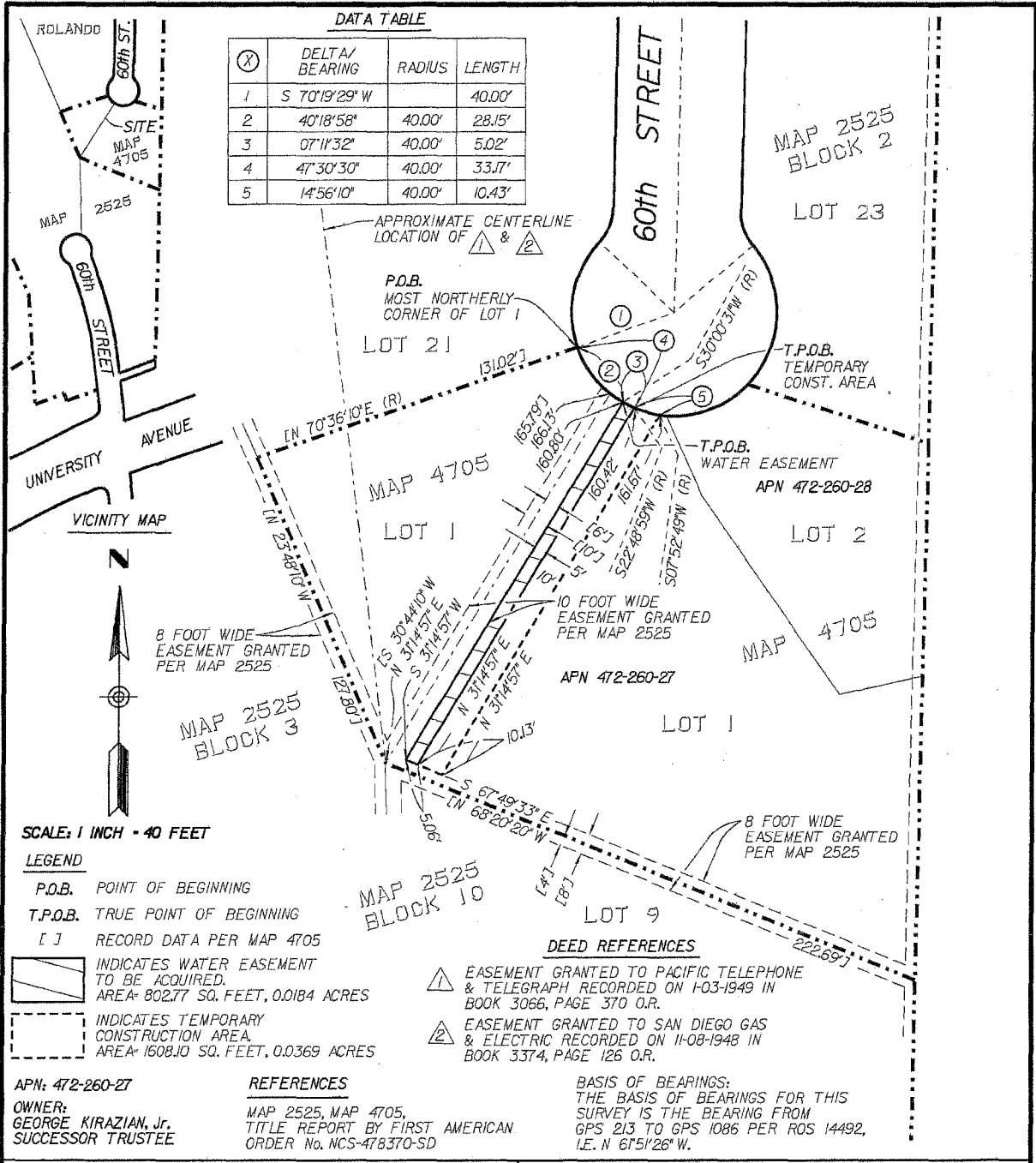
**WATER GROUP 616 REVEGETATION PLAN**

CITY OF SAN DIEGO, CALIFORNIA  
 ENGINEERING AND CAPITAL PROJECTS DEPARTMENT  
 SHEET 41 OF SHEETS

PROJECT NUMBER: 000-0000  
 DATE: 08/20/2010  
 DRAWING NUMBER: 000000-000000  
 SHEET NUMBER: 41-D

STAMP

REVEGETATION PLAN



**APN: 472-260-27**

**OWNER:**  
GEORGE KIRAZIAN, Jr.  
SUCCESSOR TRUSTEE

**PREPARED BY:**  
CITY OF SAN DIEGO ENGINEERING DEPARTMENT,  
FIELD DIVISION - SURVEY SECTION, UNDER THE  
DIRECTION OF RICHARD T. MCCORMICK, LS 7450,  
ASSOCIATE LAND SURVEYOR.

*Richard T. McCormick 8-30-2011*  
RICHARD T. MCCORMICK, LS 7450 DATE



**RESOLUTION No.** \_\_\_\_\_

**ADOPTED:** \_\_\_\_\_

**DOC. No.** \_\_\_\_\_

**RECORDED:** \_\_\_\_\_

**WATER EASEMENT & TEMPORARY CONSTRUCTION AREA:  
IN A PORTION OF LOT I, MAP 4705**

DESCRIPTION	BY	APPROVED	DATE	FILMED	CITY OF SAN DIEGO, CALIFORNIA	T.M.
ORIGINAL	RTMc		3-'11		SHEET 1 OF 1 SHEET	W.O. WBS B-00018
TCA ADDED	RTMc		4-'11		<i>Donald S. Dorth</i> 8/31/2011	
		RJD	8-'11		FOR CITY ENGINEER DATE	
STATUS						214-1749 LAMBERT COORDINATES 36463-B