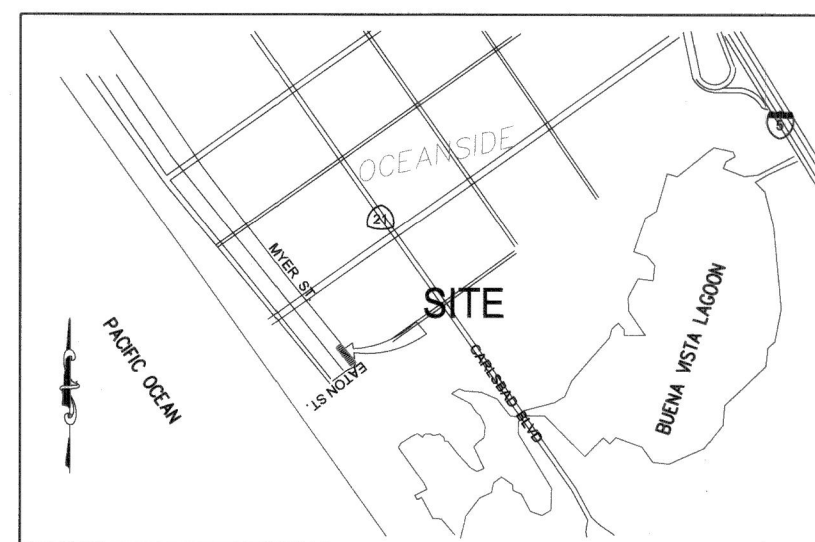


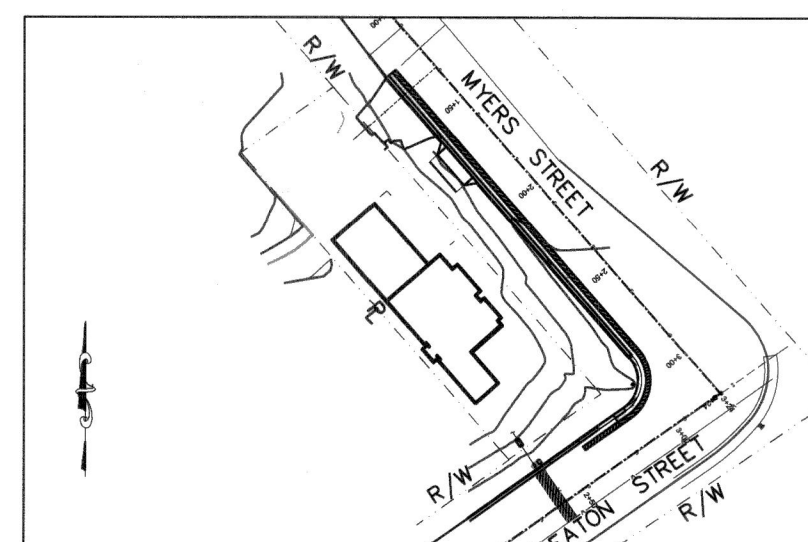
## GENERAL NOTES

1. THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES PRIOR TO STARTING WORK NEAR COMPANY FACILITIES AND SHALL COORDINATE THEIR WORK WITH COMPANY REPRESENTATIVES. ALL SERVICES WITHIN THIS SUBDIVISION SHALL BE UNDERGROUND INSTALLATION. FOR LOCATION OF ELECTRIC CABLE, GAS PIPING, TELEPHONE CABLES APPURTENANCES, CONTACT (UNDERGROUND SERVICE ALERT) 8-1-1.
2. A PERMIT, SUPPLEMENTED WITH A TRAFFIC CONTROL PLAN, SHALL BE SUBMITTED TO THE CITY FOR ANY WORK WITHIN EXISTING CITY RIGHT-OF-WAY AND/OR EASEMENTS.
3. THE CONTRACTOR SHALL NOTIFY THE CITY OF OCEANSIDE ENGINEERING DEPARTMENT 48 HOURS PRIOR TO STARTING WORK SO THAT INSPECTION MAY BE PROVIDED. PLEASE CALL: (760)435-5081
4. ALL WORK SHALL BE IN ACCORDANCE WITH THE MOST RECENT EDITION OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, WITH SUPPLEMENTS (A.P.W.A. SPECIFICATIONS), THE SAN DIEGO COUNTY REGIONAL STANDARD DRAWINGS (SDRSD); CITY OF OCEANSIDE BMP DESIGN MANUAL; CITY OF OCEANSIDE WATER, SEWER, AND RECYCLED DESIGN & CONSTRUCTION MANUAL; CITY OF OCEANSIDE ENGINEER'S DESIGN AND PROCESSING MANUAL ( OCEANSIDE ENGINEERS MANUAL); AND CITY OF OCEANSIDE EXCAVATION AND RIGHT-OF-WAY ENCROACHMENT POLICIES.
5. PAVEMENT SECTIONS SHOWN, ARE TO BE VERIFIED BY "R" VALUE TESTS (TEST METHOD NO. CALIFORNIA 301) AND PAVEMENT DESIGN REPORT; TO BE SUBMITTED BY SOILS ENGINEER AFTER UNDERGROUND UTILITIES CONSTRUCTION IS COMPLETE, FOR CITY ENGINEER'S APPROVAL.
6. ALL METALS PLACED IN THE GROUND SHALL BE ENCASED IN 6 INCHES OF SE-30 SAND.
7. CONSTRUCTION EXPANSION JOINTS IN CURB AND GUTTER AT RETURNS AND AT DRIVEWAY INTERSECTIONS IS REQUIRED PER (SDRSD) G-9 AND G-10.
8. ALL UNDERGROUND UTILITIES SERVICES AND LATERALS SHALL BE INSTALLED BEFORE CONSTRUCTION OF CURBS, CROSS GUTTERS, OR SURFACING OF THE STREETS AND SHALL BE MARKED FOR EASY LOCATION. THE ENGINEER OF WORK SHALL CERTIFY ALL IMPROVEMENTS TO WITHIN 0.1 FEET OF THE DESIGN.
9. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO OBTAIN AN EXCAVATION PERMIT FROM THE DIVISION OF INDUSTRIAL SAFETY AND ADHERE TO ALL PROVISIONS OF THE STATE CONSTRUCTION SAFETY ORDERS.
10. SOILS REPORTS FOR ALL TRENCHES SHALL BE SUBMITTED TO THE ENGINEER OF WORK AND THE CITY ENGINEER BY THE SOILS ENGINEER OF RECORD, WHICH CERTIFIES THAT TRENCH BACKFILL WAS COMPACTED AS DIRECTED BY THE SOILS ENGINEER IN ACCORDANCE WITH EARTHWORK SPECIFICATIONS AND CITY OF OCEANSIDE SPECIFICATIONS AND GRADING ORDINANCE.
11. BLUE FIRE HYDRANT MARKERS SHALL BE PLACED ON THE PAVEMENT PER CITY OF OCEANSIDE STANDARD DRAWING M-13.
12. TRAFFIC CONTROL DESIGN & PROCEDURES; AND TRAFFIC CONTROL WARNING SIGNS, LIGHTS, AND DEVICES SHALL CONFORM TO THE CURRENT EDITION OF THE CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (CA MUTCD). THE CONTRACTOR IS REQUIRED TO SUBMIT A TRAFFIC CONTROL PLAN THAT MEETS CITY AND CALTRANS REQUIREMENTS. TRAFFIC CONTROL PLAN SHALL BE IN OPERATION FROM 9:00 A.M. TO 3:00 P.M., UNLESS OTHERWISE APPROVED.
13. CENTERLINE SURVEY MONUMENTS SHALL BE INSTALLED AT THE BEGINNING AND END OF ALL CURVES, AT THE CENTERLINE INTERSECTION OF ALL STREETS WHERE MANHOLES ALLOW, AT THE RADIUS POINT OF CONCENTRIC CUL-DE-SACS, AND AT THE ANGLE POINT OF OFFSET CUL-DE-SACS, PER (SDRSD) M-10 AND M-11.
14. ALL EXISTING IMPROVEMENTS INCLUDING CURB AND GUTTERS, SIDEWALKS, ASPHALT CONCRETE OR P.C.C. PAVING, WHICH ARE BEING JOINED OR MATCHED IN CONFORMANCE WITH THIS PROJECT, SHALL BE JOINED OR MATCHED IN A MANNER SATISFACTORY TO THE DEPUTY PUBLIC WORKS DIRECTOR, INCLUDING NECESSARY SAWCUTTING, REMOVAL, REPLACEMENT, AND CAPPING.
15. ALL OPERATIONS CONDUCTED ON THE PREMISES, INCLUDING THE WARMING UP, REPAIR, ARRIVAL, DEPARTURE, OR RUNNING OF TRUCKS, EARTHMOVING EQUIPMENT, CONSTRUCTION EQUIPMENT, AND ANY OTHER ASSOCIATED EQUIPMENT SHALL BE LIMITED TO THE PERIOD BETWEEN 7:00 A.M. AND 6:00 P.M. EACH DAY, MONDAY THROUGH FRIDAY. NO EARTHMOVING OR GRADING OPERATIONS SHALL BE CONDUCTED ON THE PREMISES ON SATURDAYS OR SUNDAYS OR LEGAL HOLIDAYS, UNLESS AUTHORIZED BY THE CITY ENGINEER. HOURS OF OPERATION SHALL BE IN ACCORDANCE WITH THE APPROVED HOURS PER THE HAUL ROUTE PERMIT.
16. STRIPING SHALL BE DONE BY THE CONTRACTOR AT DEVELOPER'S EXPENSE UNLESS OTHERWISE DIRECTED.
17. TRAFFIC STRIPES AND PAVEMENT MARKINGS SHALL NOT BE APPLIED OVER EXISTING STRIPES THAT ARE TO BE REMOVED. EXISTING STRIPES SHALL BE FIRST REMOVED BEFORE ANY NEW APPLICATION.
18. REFLECTIVE PAVEMENT MARKERS TO BE INSTALLED BY CONTRACTOR ON PERMANENT STRIPING. ALL STREET SIGNS SHOWN ON THESE PLANS SHALL BE INSTALLED BY THE DEVELOPER. SIGN SPECIFICATIONS AND INSTALLATION SHALL BE IN ACCORDANCE WITH CITY OF OCEANSIDE STANDARDS AND THE STATE OF CALIFORNIA, DEPARTMENT OF TRANSPORTATION SPECIFICATION FOR REGULATORY, WARNING AND GUIDE SIGNS.
19. PATCHING OF SIDEWALK IS NOT PERMITTED.
20. DAMAGED, GOUGED, BROKEN, OR GRAFFITI-MARKED SECTIONS OF CURB, GUTTER, OR SIDEWALK SHALL BE REMOVED AND REPLACED.
21. A MINIMUM REPLACEMENT SECTION TO BE AT LEAST EQUAL TO SCORE MARK TO SCORE MARK (TYPICALLY 5' X 5'). FOR SIDEWALKS EXCEEDING 5' WIDTH, REPLACEMENT IS TO BE FULL WIDTH SQUARED TO THE NEXT SCORE MARK.
22. ALL VALVE CANS AND RISERS ON THE CITY'S OPERATIONAL SYSTEM WILL BE RAISED TO GRADE, INCLUDING COMPACTION AROUND RISER AND PAVING AROUND VALVE CANS, WITHIN 48 HOURS AFTER PAVEMENT HAS BEEN PLACED. THIS INCLUDES VALVE CANS AND RISERS ON THE EXISTING SYSTEMS AND ON ALL NEW SYSTEMS THAT ARE TIED INTO THE CITY'S EXISTING SYSTEMS.
23. ALL SEWER MANHOLES ON THE CITY'S OPERATIONAL SYSTEM WILL BE RAISED TO GRADE WITHIN 48 HOURS AFTER PAVEMENT HAS BEEN PLACED. THIS INCLUDES MANHOLES ON THE EXISTING SYSTEMS AND ON ALL NEW SYSTEMS THAT ARE TIED INTO THE CITY'S EXISTING SYSTEMS.
24. THE CONTRACTOR/DEVELOPER SHALL BE RESPONSIBLE FOR IMPLEMENTING, ADMINISTERING AND MAINTAINING A CONFINED SPACE ENTRY PROGRAM ACCORDANCE WITH SECTIONS 5156, 5157, AND 5158 TITLE 8, CALIFORNIA CODE OF REGULATIONS (CCR).
25. ALL UNUSED WATER SERVICES AND SEWER LATERALS SHALL BE ABANDONED IN ACCORDANCE WITH WATER UTILITIES DEPARTMENT REQUIREMENTS.

# STEELE SFR DEVELOPMENT IMPROVEMENT PLAN AT EATON STREET-MYERS STREET INTERSECTION



VICINITY MAP  
SCALE: NTS



KEY MAP  
SCALE: 1 INCH = 80 FT.

## STORM WATER QUALITY MANAGEMENT PLAN (SWQMP) NOTES

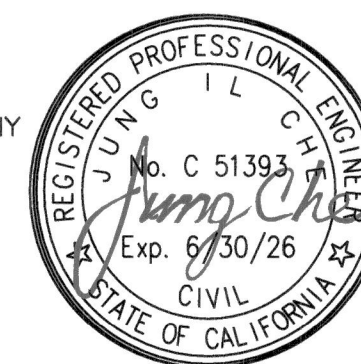
- A. PRIOR TO RECEIVING A BUILDING OCCUPANCY PERMIT, THE PROJECT SHALL DEMONSTRATE THAT ALL POST CONSTRUCTION STRUCTURAL BEST MANAGEMENT PRACTICES (BMPs), INCLUDING STORM WATER POLLUTANT CONTROL BMPs AND/OR HYDROMODIFICATION MANAGEMENT BMPs, ARE CONSTRUCTED AND FULLY OPERATIONAL, CONSISTENT WITH THE "DEEMED COMPLETE" SWQMP AND THE APPROVED GRADING PLAN, IN ACCORDANCE WITH THE CURRENT SAN DIEGO COUNTY RWQCB ORDER NO. R9-2013-0001 E.3.E. (1)(d).
- B. ALL POST-CONSTRUCTION BMPs SHALL BE IMPLEMENTED IN ACCORDANCE WITH THE APPROVED SWQMP.
- C. PROVIDE STENCILING OR LABELING OF ALL STORM WATER DRAIN INLETS AND CATCH BASINS WITHIN THE PROJECT AREA WITH PROHIBITIVE DUMPING LANGUAGE (E.G. "NO DUMPING - LIVE DOWNSTREAM") AND/OR GRAPHICAL ICONS TO DISCOURAGE ILLEGAL DUMPING, SATISFACTORY TO THE CITY ENGINEER. STENCILING OR LABELING MAY ALSO BE REQUIRED TO BE IN SPANISH.
- D. THE PROJECT SOILS ENGINEER SHALL PROVIDE A STAMPED AND SIGNED LETTER TO THE CITY OF OCEANSIDE ENGINEERING DIVISION STATING THAT THE SOIL PLACED WITHIN THE BIORETENTION FACILITIES MEETS THE SPECIFICATIONS CITED IN THE APPROVED SWQMP.
- E. SUFFICIENT BMPs MUST BE INSTALLED TO PREVENT SILT, MUD, OR OTHER CONSTRUCTION DEBRIS FROM BEING TRACKED INTO ADJACENT STREETS OR STORM WATER CONVEYANCE SYSTEM DUE TO CONSTRUCTION VEHICLES OR OTHER CONSTRUCTION ACTIVITY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY SUCH DEBRIS THAT MAY BE IN THE STREET AT THE END OF EACH DAY AND/OR AFTER A STORM EVENT THAT CAUSES BREACHING OF THE INSTALLED CONSTRUCTION BMPs.
- F. ALL STOCKPILES OF UNCOMPACTED SOIL AND/OR BUILDING MATERIALS THAT ARE INTENDED TO BE LEFT UNPROTECTED FOR A PERIOD OF GREATER THAN SEVEN (7) CALENDAR DAYS ARE TO BE PROVIDED WITH EROSION AND SEDIMENT CONTROLS. SUCH SOIL MUST BE PROTECTED WHEN THE 5-DAY PROBABILITY OF RAIN IS 50% OR GREATER PER CASQA.
- G. A CONCRETE "WASHOUT" SHALL BE PROVIDED ON ALL PROJECTS WHICH PROPOSE THE CONSTRUCTION OF ANY CONCRETE IMPROVEMENTS THAT ARE TO BE POURED IN PLACE ON THE SITE.
- H. ALL SLOPES THAT ARE CREATED OR DISTURBED BY CONSTRUCTION ACTIVITY MUST BE PROTECTED AGAINST ANY POTENTIAL RELEASE OF POLLUTANTS/SEDIMENT INTO THE ENVIRONMENT.

## "DECLARATION OF ENGINEER OF WORK"

I HEREBY DECLARE THAT THE DESIGN OF THE IMPROVEMENTS AS SHOWN ON THESE PLANS COMPLIES WITH PROFESSIONAL ENGINEERING STANDARDS AND PRACTICES. AS THE ENGINEER IN RESPONSIBLE CHARGE OF THE DESIGN OF THESE IMPROVEMENTS, I ASSUME FULL RESPONSIBLE CHARGE FOR SUCH DESIGN. I UNDERSTAND AND ACKNOWLEDGE THAT THE PLAN CHECK OF THESE PLANS BY THE CITY OF OCEANSIDE IS A REVIEW FOR THIS LIMITED PURPOSE OF ENSURING THE PLANS COMPLY WITH CITY PROCEDURES AND OTHER APPLICABLE POLICIES AND ORDINANCES. THE PLAN CHECK IS NOT A DETERMINATION OF THE TECHNICAL ADEQUACY OF THE DESIGN OF THE IMPROVEMENTS. SUCH PLAN CHECK DOES NOT, THEREFORE, RELIEVE ME OF MY RESPONSIBILITY FOR THE DESIGN OF THESE IMPROVEMENTS.

AS ENGINEER OF WORK, I AGREE TO INDEMNIFY AND SAVE THE CITY OF OCEANSIDE, ITS OFFICERS, AGENTS, AND EMPLOYEES HARMLESS FROM ANY AND ALL LIABILITY, CLAIMS, DAMAGES OR INJURIES TO ANY PERSON OR PROPERTY WHICH MIGHT ARISE FROM THE NEGLIGENCE, ACTS, ERRORS OR OMISSIONS OF THE ENGINEER OF WORK, MY EMPLOYEES, AGENTS OR CONSULTANTS.

ENGINEER Jung Che C 51393 05/14/25  
LICENSE NO. DATE



## CIVIL ENGINEER CERTIFICATION (AS-BUILT)

I HEREBY CERTIFY THAT AS THE ENGINEER IN RESPONSIBLE CHARGE OF WORK FOR THIS PROJECT, I HAVE REVIEWED THE ENGINEERING WORK AS SHOWN ON THESE PLANS TO DETERMINE GENERAL COMPLIANCE WITH PLANS AND SPECIFICATIONS, AND THAT THE COMPLETED CONSTRUCTION IS IN CONFORMANCE WITH THESE PLANS.

I ALSO CERTIFY THAT ALL CHANGES AND/OR ADDITIONS MADE DURING CONSTRUCTION, ALL INFORMATION AS REQUIRED BY THE CITY OF OCEANSIDE GRADING ORDINANCE, AND ALL RECOMMENDATIONS FROM THE SOILS ENGINEERING AND ENGINEERING GEOLOGY REPORTS PREPARED FOR THIS PROJECT HAVE BEEN INCORPORATED IN THESE PLANS.

CIVIL ENGINEER OF RECORD: \_\_\_\_\_  
NAME LICENSE NO.

## FEMA

FLOOD ZONE DESIGNATION: X  
BASE FLOOD ELEVATION (BFE): N/A  
FIRM PANEL NO. AND SUFFIX: 060294-06073C0761H  
FIRM EFFECTIVE DATE: 12/20/2019  
FEMA CLOMR CASE NO: N/A

SHOW FLOOD PLAIN AND FLOOD WAY LIMITS ON PLANS (WHEN APPLICABLE)

## NOTE:

THE CITY'S PLAN CHECK IS NOT A DETERMINATION OF TECHNICAL DESIGN FUNCTIONALITY OF THE IMPROVEMENTS. THE PLAN CHECK DOES NOT RELIEVE THE ENGINEER OF WORK OF THEIR RESPONSIBILITY FOR THE DESIGN AND THE SUFFICIENCY OF THE PROPOSED IMPROVEMENTS.

## LEGEND:

| ITEM                             | STD. DWG. | SYMBOL |
|----------------------------------|-----------|--------|
| CURB & GUTTER                    |           |        |
| DIRECTION OF DRAINAGE            |           |        |
| EXISTING GROUND CONTOURS         |           |        |
| PROPOSED GROUND CONTOURS         |           |        |
| EXIST RIGHT OF WAY/PROPERTY LINE |           |        |
| EXIST SEWER MANHOLE              |           |        |
| EXIST STORM DRAIN MANHOLE        |           |        |
| EXIST WATER MANHOLE              |           |        |
| EXIST FIRE HYDRANT               |           |        |
| EXIST WATER METER                |           |        |
| EXIST WATER VALVE                |           |        |
| EXIST GAS VALVE                  |           |        |
| EXIST RISER                      |           |        |
| EXIST SEWER CLEANOUT             |           |        |
| EXIST POWER POLE                 |           |        |
| EXISTING SPOT ELEVATION          |           |        |
| FINISH SURFACE / GRADE ELEVATION |           |        |
| FLOW LINE                        |           |        |
| TOP OF CURB ELEVATION            |           |        |

## SHEET INDEX

| DESCRIPTION             | SHEET NO. |
|-------------------------|-----------|
| TITLE SHEET             | 1         |
| NOTES & DETAILS         | 2         |
| HORIZONTAL CONTROL PLAN | 3         |

## SITE INFORMATION

|                                    |       |           |
|------------------------------------|-------|-----------|
| 116 EATON ST.,                     |       |           |
| SITE ADDRESS                       |       |           |
| TR 622 BLK 7 LOTS H THRU J, E. 1/2 |       |           |
| LEGAL DESCRIPTION                  |       |           |
| 0.208                              | 0.208 | APN 0.213 |
| ACREAGE: GROSS                     | NET   | DISTURBED |

## OWNER/PERMITEE

|                              |                       |
|------------------------------|-----------------------|
| ROBERT STEELE                | ROBERT STEELE         |
| OWNER/DEVELOPER NAME         | CONTACT NAME          |
| 116 EATON ST., OCEANSIDE, CA |                       |
| ADDRESS                      |                       |
| (760) 622-6043               | DRROBERTSTEELE@ME.COM |
| PHONE                        | E-MAIL:               |

## SOILS ENGINEER

|                                                |                     |
|------------------------------------------------|---------------------|
| SBCI                                           | SCOTT C. BURNS      |
| COMPANY NAME                                   | ENGINEER NAME       |
| 5215 LA JOLLA HERMOSA AVE., LA JOLLA, CA 92037 |                     |
| ADDRESS                                        |                     |
| (619) 922-3302                                 | SBURNSRCE@GMAIL.COM |
| PHONE                                          | E-MAIL:             |

## ENGINEER OF WORK

|                                          |                    |
|------------------------------------------|--------------------|
| JCI DESIGN & ENGINEERING                 | JUNG I. CHE        |
| COMPANY NAME                             | ENGINEER NAME      |
| 3664 HOWARD AVE., LOS ALAMITOS, CA 90720 |                    |
| ADDRESS                                  |                    |
| (714) 743-9637                           | JCICIVIL@GMAIL.COM |
| PHONE                                    | E-MAIL:            |

## UTILITY COMPANY

AT&T  
COX  
SAN DIEGO GAS AND ELECTRIC (SDG&E)  
WATER UTILITIES (CITY)  
TRAFFIC SIGNAL MAINTENANCE (CITY)  
NORTH COUNTY TRANSIT DISTRICT (NCTD)

## EMERGENCY NO.

1..(800).924-9420.....  
1..(800).234-3993.....  
1..(800).611-7343.....  
1..(760).435-5800.....  
1..(760).435-4500.....  
1..(760).966-6500.....

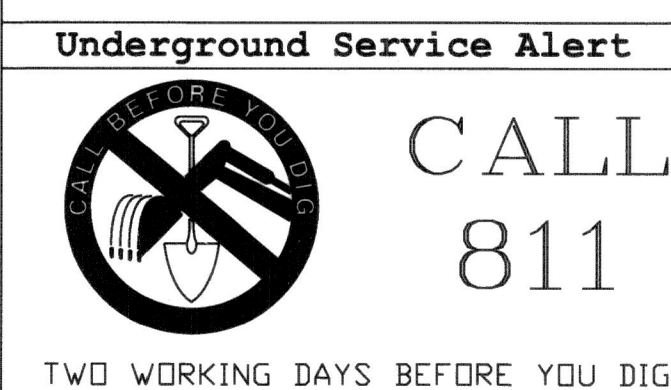
## NOTE:

PRIVATE WATER, SEWER AND FIRE SERVICE LINES SHOWN ON THESE PLANS ARE FOR REFERENCE ONLY. THE BUILDER/ENGINEER/DEVELOPER IS RESPONSIBLE TO SUBMIT A SEPARATE SET OF PLANS TO THE BUILDING AND/OR FIRE DEPARTMENT FOR PLAN CHECK AND APPROVAL PRIOR TO APPROVAL OF IMPROVEMENT PLANS.

EDDA NO. EDDA25-00024

WDID NO. N/A FILE NO. RC23-00005

|                                                                                         |                                        |                |
|-----------------------------------------------------------------------------------------|----------------------------------------|----------------|
| SHEET 1                                                                                 | CITY OF OCEANSIDE ENGINEERING DIVISION | 3 SHEETS       |
| PUBLIC IMPROVEMENT PLAN FOR                                                             |                                        |                |
| STEELE SFR DEVELOPMENT<br>IMPROVEMENT PLAN<br>AT EATON STREET-MYERS STREET INTERSECTION |                                        |                |
| ACCEPTED BY                                                                             |                                        |                |
| CITY ENGINEER: Brian K. Thomas P.E. 60907 Date: 6.10.25                                 |                                        |                |
| Prepared under the direction of:                                                        | Reviewed By:                           | PLAN NUMBER    |
| Jung Che 05/14/25                                                                       | 6/12/25                                | R24-00008      |
| Signature: Jung I. Che                                                                  | Date: 6/12/25                          | Initials: Date |

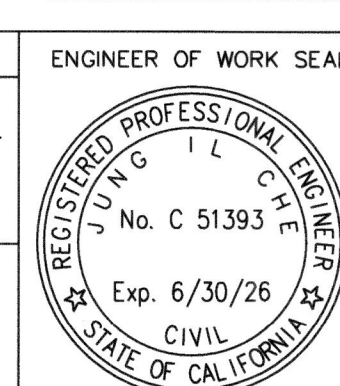


**BASIS OF BEARING**  
THE BASIS OF BEARINGS FOR THIS SURVEY IS THE CENTERLINE OF PACIFIC STREET PER RECORD OF SURVEY MAP NO. 20919, I.E. N 41°15' 00" W

**SOURCE & DATE OF TOPOGRAPHY**  
PREPARED BY: DANIEL M. HOOPER  
FALLBROOK, CA 92028  
PHONE: (760) 723-2891  
PLS NO.: L7249 DATE: 07/17/2023

| NO. | APPROVED REVISIONS | BY | DATE |
|-----|--------------------|----|------|
|     |                    |    |      |
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|     |                    |    |      |

|                                                                                |                                                               |
|--------------------------------------------------------------------------------|---------------------------------------------------------------|
| PLANS ARE CHECKED AND FOUND TO COMPLY WITH THE CITY OF OCEANSIDE REQUIREMENTS: | ENGINEER OF WORK SEAL                                         |
| ACCEPTED BY: <u>Wahab Uyuda</u> 6/4/25<br>WATER UTILITIES DEPARTMENT DATE      | RECOMMENDED BY: <u>Tim Rao</u> 6/6/25<br>FIRE DEPARTMENT DATE |
| APPROVED BY: <u>Wahab Uyuda</u> 5/21/25<br>TRANSPORTATION DIVISION DATE        |                                                               |



|                                                                                     |
|-------------------------------------------------------------------------------------|
| CITY NAVD88 BENCHMARK                                                               |
| Description: BM# 1010                                                               |
| CASSIDY ST & MYERS ST. BENCHMARK                                                    |
| Location: MONUMENT WELL AT APPARENT INTERSECTION OF CASSIDY STREET AND MYERS STREET |
| Record From: CITY OF OCEANSIDE GEODETIC CONTROL NETWORK                             |
| Elev: 38.50 Datum: NAVD88                                                           |

WATER NOTES

1. ALL WORK SHALL BE IN ACCORDANCE WITH THE MOST RECENT EDITIONS OF THE CITY OF OCEANSIDE WATER UTILITIES DEPARTMENT WATER, SEWER, AND RECYCLED WATER DESIGN & CONSTRUCTION MANUAL (OCEANSIDE WATER UTILITIES MANUAL); CITY OF OCEANSIDE ENGINEERS DESIGN AND PROCESSING MANUAL (OCEANSIDE ENGINEERS MANUAL); SAN DIEGO AREA REGIONAL STANDARD DRAWINGS (SDRSO); AND, STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (SSPWC OR GREENBOOK) AND SUPPLEMENTAL AMENDMENTS.
2. A "W" SHALL BE INSCRIBED ON THE CURB DIRECTLY ABOVE ALL WATER SERVICES. SERVICES SHALL BE SHOWN ON AS-BUILT PLANS AND SHALL BE LOCATED BY WATERLINE OR CENTERLINE STATIONING.
3. PRESSURE TEST, DISINFECT, SAMPLE TEST(S), AND FLUSH THE WATER SYSTEM IN ACCORDANCE WITH THE GUIDELINE TITLED, "CONSTRUCTION GUIDELINES AND REQUIREMENTS", INCLUDED AS SECTION F OF THE CITY OF OCEANSIDE'S WATER, SEWER, AND RECYCLED WATER DESIGN & CONSTRUCTION MANUAL'S.
4. NO DISRUPTION TO THE EXISTING WATER DISTRIBUTION MAINS WILL BE ALLOWED ON MONDAYS OR FRIDAYS. ALL SHUTDOWNS FOR SYSTEM TIE-INS WILL BE SCHEDULED BETWEEN TUESDAY, AND THURSDAY, AND WILL BE CONFINED TO NORMAL WORKING HOURS. REFER TO THE GUIDELINE TITLED, "ADMINISTRATIVE PROCEDURES FOR WATER LINE SHUTDOWNS" IN THE CONSTRUCTION GUIDELINES AND REQUIREMENTS APPENDIX OF THE CITY OF OCEANSIDE'S WATER, SEWER, AND RECYCLED WATER DESIGN & CONSTRUCTION MANUAL.
5. NO CONNECTIONS FOR THE PURPOSE OF OBTAINING WATER SUPPLY DURING CONSTRUCTION SHALL BE MADE TO ANY FIRE HYDRANT OR BLOW-OFF STRUCTURE WITHOUT FIRST OBTAINING A CONSTRUCTION WATER PERMIT FROM THE CITY OF OCEANSIDE WATER UTILITIES DEPARTMENT. A REDUCED PRESSURE PRINCIPLE ASSEMBLY (RP ASSEMBLY) SHALL PROTECT THE TEMPORARY CONSTRUCTION METER.
6. ALL WATER USED ON A CONSTRUCTION PROJECT SHALL BE METERED. THE COST OF THE WATER WILL BE CHARGED TO THE CONTRACTOR/DEVELOPER. THIS INCLUDES WATER FOR LOADING OF NEW WATERLINES, FLUSHING OF LINES, PRESSURE TESTING, ETC. CITATIONS WILL BE ISSUED TO PARTIES TAKING WATER FROM NON-METERED FACILITIES.
7. THE CONTRACTOR SHALL NOTIFY THE UNDERGROUND SERVICE ALERT TWO (2) WORKING DAYS PRIOR TO STARTING EXCAVATION SO THAT EXISTING WATER FACILITIES SHALL BE MARKED IN THE FIELD PRIOR TO THE START OF CONSTRUCTION. (UNDERGROUND SERVICE ALERT: 8-1-1).
8. LOCATION AND ELEVATION OF EXISTING WATER FACILITIES SHALL BE CONFIRMED BY FIELD MEASUREMENTS AND EXCAVATION EXPLORATION (POTHOLING) BY THE CONTRACTOR, AFTER USA MARK-OUT HAS BEEN COMPLETED AND THE WATER UTILITIES DEPARTMENT HAS BEEN GIVEN A TWO (2) WORKING-DAY NOTICE.
9. THE EXISTENCE AND LOCATION OF EXISTING WATER FACILITIES AS SHOWN ON THE PLANS WERE OBTAINED FROM AVAILABLE CITY RECORDS. TO THE BEST OF OUR KNOWLEDGE, THE EXISTING WATER FACILITIES ARE AS SHOWN ON THE PLANS. THE CITY OF OCEANSIDE SHALL NOT BE HELD RESPONSIBLE FOR ANY ERROR IN THE LOCATION AND ELEVATION OF THE EXISTING WATER FACILITIES.
10. NO REVISION SHALL BE MADE TO THESE PLANS WITHOUT THE APPROVAL OF THE WATER UTILITIES DIRECTOR.
11. NUTS AND BOLTS ON ALL FLANGE FITTINGS SHALL BE ZINC-PLATED AND COATED PER SECTION 2.12.D OF THE CITY OF OCEANSIDE'S WATER, SEWER, AND RECYCLED WATER DESIGN & CONSTRUCTION MANUAL, EXCEPT FOR BURIED SERVICE, WHICH SHALL BE TYPE 316 STAINLESS STEEL. ALL PLATED NUT AND BOLT THREADS SHALL BE COATED WITH NON-OXIDE GREASE PRIOR TO INSTALLATION. APPLY ANTI-SEIZE TO ALL STAINLESS STEEL NUT AND BOLT THREADS. BURIED SERVICE VALVES, FITTINGS, AND APPURTENANCES WILL BE COATED AND WRAPPED PER SECTION 2.12 OF THE OCEANSIDE WATER, SEWER, RECYCLED WATER, DESIGN AND CONSTRUCTION MANUAL.
12. WATER SERVICES ARE NOT PERMITTED IN DRIVEWAYS.
13. THE WATER UTILITIES INSPECTOR SHALL BE NOTIFIED AT LEAST TWO (2) WORKING DAYS PRIOR TO ANY INSPECTION. TO ARRANGE FOR INSPECTION, CALL THE WATER UTILITIES DEPARTMENT AT 760-435-5800.
14. PIPE BEDDING AND TRENCH BACKFILL SHALL CONFORM TO SAN DIEGO REGIONAL STANDARD DRAWING (SDRSO) WP-02, EXCEPT THAT COMPACTION IN ALL ZONES SHALL BE 95%. THE PIPE ZONE SHALL BE DEFINED AS AREA 6-INCHES UNDER THE PIPE AND 12-INCHES OVER THE PIPE. THE BACKFILL MATERIAL FOR THE PIPE ZONE SHALL BE SAND WITH A SAND EQUIVALENT (SE) OF 30 OR MORE. THE TRENCH ZONE SHALL BE DEFINED AS THE AREA 12-INCHES OVER PIPE TO BOTTOM OF PAVEMENT SECTION. TRENCH ZONE MATERIAL SHALL BE NATIVE MATERIALS, FREE FROM STONES, CLODS, AND OTHER DELETERIOUS MATERIALS.
15. ALL FITTINGS AND SERVICES SHALL BE ENCASED WITH A MINIMUM OF SIX (6) INCHES OF APPROVED OR NEUTRAL SAND, AND PER SECTION 2.12 OF THE CITY OF OCEANSIDE'S WATER, SEWER, AND RECYCLED WATER DESIGN & CONSTRUCTION MANUAL.
16. PIPE DEFLECTIONS FOR SHORT RADIUS CURVES AND ANGLE POINTS SHALL NORMALLY BE ACCOMPLISHED BY MEANS OF STANDARD FITTINGS, THE LOCATIONS OF WHICH SHALL BE DETAILED ON THE PLANS.
17. DEFLECTIONS AT PIPE JOINTS SHALL NOT BE PERMITTED FOR PVC PIPE 4-INCH THROUGH 12-INCH. CURVES AND DEFLECTIONS SHALL BE MADE ONLY WITH THE USE OF HIGH DEFLECTION C900 PVC COUPLINGS OR THE APPROVED DUCTILE IRON FITTINGS. A MAXIMUM OF 5 DEGREES PER COUPLING SHALL BE PERMITTED.
18. POLYETHYLENE ENCASEMENT: ALL UNDERGROUND INSTALLED VALVES, DUCTILE IRON PIPE, AND FITTINGS SHALL BE ENCASED IN 2 LAYERS OF 8-MIL POLYETHYLENE ENCASEMENT AND INSTALLATION SHALL BE IN ACCORDANCE WITH ANSI/AWWA C105/A21.5.
19. PIPE INSTALLATION: THE INSIDE AND OUTSIDE OF THE PIPE SHALL BE CLEAN AND FREE FROM FOREIGN MATERIAL OF ANY KIND BEFORE BEING INSTALLED.
20. 3-INCH MINIMUM WIDTH COLOR CODED DETECTOR TAPE MARKED "WATER" IN 1-½ INCH BLACK LETTERS SHALL BE PLACED ON THE COMPACTED AND GRADED SAND BEDDING 12-INCHES ABOVE AND CENTERED OVER THE WATER MAIN PRIOR TO BACKFILLING THE TRENCH.
21. WATER QUALITY TESTS SHALL INCLUDE BACTERIOLOGICAL (BT) AND GENERAL PHYSICAL (GP) TESTING. ALL TESTING WILL COMPLY WITH THE PROVISIONS OF SECTION G) WATER SYSTEM TESTING REQUIREMENTS IN THE CONSTRUCTION GUIDELINES AND REQUIREMENTS APPENDIX OF THE CITY OF OCEANSIDE'S WATER, SEWER, AND RECYCLED WATER DESIGN & CONSTRUCTION MANUAL. ALL TESTING REQUIREMENTS WILL BE SUCCESSFULLY COMPLETED BEFORE CONNECTION (TIE-IN) SUBMITTAL AND APPROVAL.
22. ALL WATER DISCHARGE FROM FLUSHING, TESTING, AND DEWATERING SHALL COMPLY WITH ALL REQUIREMENTS OF THE CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD - SAN DIEGO REGION (SDRWQCB) REGULATIONS.
23. DETAILED PLANS FOR PRIVATE FIRE UNDERGROUND LINES MUST BE SUBMITTED TO THE FIRE DEPARTMENT FOR APPROVAL, PRIOR TO COMMENCEMENT OF CONSTRUCTION.

SEWER NOTES

1. ALL WORK SHALL BE IN ACCORDANCE WITH THE MOST RECENT EDITIONS OF THE CITY OF OCEANSIDE WATER UTILITIES DEPARTMENT WATER, SEWER, AND RECYCLED WATER DESIGN & CONSTRUCTION MANUAL (OCEANSIDE WATER UTILITIES MANUAL); CITY OF OCEANSIDE DESIGN AND PROCESSING MANUAL (OCEANSIDE ENGINEERS MANUAL); SAN DIEGO AREA REGIONAL STANDARD DRAWINGS (SDRSO); AND, STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (SSPWC OR GREENBOOK) AND SUPPLEMENTAL AMENDMENTS.
2. EACH LOT SHALL BE SERVED BY A MINIMUM OF 4-INCH SEWER LATERAL SET AT A MINIMUM SLOPE OF 2% WITH A MINIMUM DROP OF 0.3 FEET AND A MINIMUM OF FIVE (5) FEET OF COVER AT PROPERTY LINE PER OCEANSIDE STANDARD DRAWING S-3.
3. AN "S" SHALL BE INSCRIBED ON THE CURB DIRECTLY ABOVE ALL SEWER LATERALS. LATERALS SHALL BE SHOWN ON AS-BUILT PLANS AND SHALL BE LOCATED BY SEWER MAIN OR CENTERLINE STATIONING.
4. A SEWER CLEANOUT SHALL BE PROVIDED WITHIN TWO (2) FEET BEHIND THE PROPERTY LINE FOR ALL RESIDENTIAL SEWER LATERALS PER SAN DIEGO REGIONAL STANDARD DRAWING (SDRSO) SC-01.
5. AN INSPECTION MANHOLE SHALL BE PROVIDED IMMEDIATELY BEHIND THE PROPERTY LINE FOR ALL COMMERCIAL AND INDUSTRIAL SEWER LATERALS PER OCEANSIDE STANDARD DRAWING S-7.
6. THE CONTRACTOR MUST SECURE APPROVAL FROM THE CITY INSPECTOR PRIOR TO BACKFILL OVER ANY SEWER LINE.
7. NO REVISIONS SHALL BE MADE TO THESE PLANS WITHOUT THE APPROVAL OF THE CITY ENGINEER AND THE WATER UTILITIES DIRECTOR.
8. AN APPROVED AND LICENSED CONTRACTOR SHALL MAKE ALL SEWER LATERAL CONNECTIONS TO THE EXISTING SEWER MAINS..
9. AN APPROVED CONTRACTOR MAY MAKE SEWER LATERAL CONNECTIONS TO EXISTING SEWER MAINS THAT ARE LOCATED IN EASEMENTS WHERE NO PAVING IS INVOLVED. THIS MAY BE DONE WITH THE APPROVAL OF THE WATER UTILITIES DIRECTOR AND WILL BE INSPECTED BY THE WATER UTILITIES DEPARTMENT. CONTRACTOR SHALL OBTAIN A RIGHT-OF-WAY PERMIT FOR THIS WORK.
10. NO DISRUPTION TO EXISTING SEWER SERVICES WILL BE ALLOWED DURING CONNECTIONS TO EXISTING MAINS WITHOUT THE SPECIFIC APPROVAL OF THE CITY OF OCEANSIDE WATER UTILITIES DEPARTMENT.

SEWER NOTES (CONTINUED)

11. THE CONTRACTOR SHALL NOTIFY THE UNDERGROUND SERVICE ALERT 48 HOURS PRIOR TO STARTING EXCAVATION SO THAT EXISTING SEWER FACILITIES MAY BE MARKED IN THE FIELD. (UNDERGROUND SERVICE ALERT: 8-1-1).
12. POTHOLING LOCATION AND ELEVATION OF EXISTING SEWER FACILITIES SHALL BE CONFIRMED BY FIELD MEASUREMENTS AND EXCAVATION EXPLORATION BY THE CONTRACTOR, IN THE PRESENCE OF A CITY INSPECTOR AFTER A TWO (2) WORKING DAY NOTICE PRIOR TO THE BEGINNING OF NEW WORK. THIS WILL ALLOW TIME TO PERMIT REVISION OF PLANS, AS NECESSARY, BECAUSE OF CONFLICTS WITH OTHER FACILITIES.
13. THE EXISTENCE AND LOCATION OF SEWER FACILITIES SHOWN ON THESE PLANS WERE OBTAINED FROM AVAILABLE CITY RECORDS. TO THE BEST OF OUR KNOWLEDGE, THE EXISTING SEWER FACILITIES ARE AS SHOWN ON THE PLANS. THE CITY OF OCEANSIDE SHALL NOT BE HELD RESPONSIBLE FOR ANY ERROR IN THE LOCATION AND ELEVATION OF THE EXISTING SEWER FACILITIES.
14. THE CITY INSPECTOR SHALL BE NOTIFIED AT LEAST TWO (2) WORKING DAYS PRIOR TO COMMENCING WORK ON THE SEWERS. TO ARRANGE FOR INSPECTION CALL THE WATER UTILITIES DEPARTMENT AT (760) 435-5800.
15. ALL SEWER HOUSE CONNECTIONS SHALL BE PLACED PRIOR TO SURFACING OF STREETS.
16. ALL MANHOLES ARE TO BE COATED INSIDE WITH SAUERISEN SEWERGARD 210X, QUADEX, OR RAVEN 405.
17. ALL MANHOLE COVERS FOR PRIVATE SEWER SYSTEMS SHALL BE MANUFACTURED WITH "PRIVATE SEWER" STAMPED ON TOP OF THE MANHOLE COVER.
18. ALL MANHOLE COVERS FOR PUBLIC SEWER SYSTEMS SHALL BE MANUFACTURED WITH "CITY OF OCEANSIDE" STAMPED ON TOP OF THE MANHOLE COVERS.
19. ALL SEWER MAINS SHALL BE INSPECTED BY CLOSED CIRCUIT TELEVISION AT THE CONTRACTOR'S EXPENSE PRIOR TO FINAL ACCEPTANCE. THE VIDEO RECORDING WILL TAKE PLACE AFTER COMPLETION OF TRENCH BACKFILL AND FINISH GRADING BUT PRIOR TO THE PLACEMENT OF PAVEMENT OR PERMANENT TRENCH RESURFACING TO DETERMINE THE EXISTENCE AND EXTENT OF ANY OBSTRUCTIONS, STRUCTURAL DEFICIENCIES, SAGS, OR FOREIGN MATERIAL. BOTH A VERBAL DESCRIPTION AND A WRITTEN MANUSCRIPT OF THE VIDEO WILL BE SUBMITTED TO THE WATER UTILITIES DEPARTMENT FOR REVIEW AND APPROVAL PRIOR TO FINAL ACCEPTANCE. VIDEO RECORDING WILL MEET THE REQUIREMENTS OF TELEVISIONING SEWER MAINS IN THE APPENDIX OF THE CITY OF OCEANSIDE'S WATER, SEWER, AND RECYCLED DESIGN & CONSTRUCTION MANUAL TITLED, "CONSTRUCTION GUIDELINES AND REQUIREMENTS."
20. ALL SEWER MAINS WILL PASS A 95% MANDREL TEST AND AIR PRESSURE TEST PRIOR TO STREET PAVING, BUT AFTER ALL OTHER UTILITIES HAVE BEEN COMPLETED AND TESTING CERTIFIED COMPACTION APPROVED.
21. SEWER PIPE SHALL BE BEDDED IN STRICT ACCORDANCE WITH CITY OF OCEANSIDE STANDARD DRAWING S-2. BEDDING SHALL REMAIN UNDISTURBED BY SUBSEQUENT CONSTRUCTION.
22. EACH PARCEL OR LOT SHALL HAVE A SEPARATE CONNECTION TO THE PUBLIC SEWER MAIN.
23. SADDLE CONNECTIONS THAT CUT INTO SEWER MAINS SHALL NOT BE ACCEPTED WITHOUT APPROVAL OF THE WATER UTILITIES INSPECTOR. SEWER CONNECTIONS TO EXISTING SEWER MAINS SHALL BE CUT-IN WYE FITTINGS UNLESS OTHERWISE DIRECTED BY THE WATER UTILITIES INSPECTOR.
24. SEWER PIPE SHALL BE STORED ON A FLAT SURFACE SO THE BARREL IS EVENLY SUPPORTED. DO NOT STACK PIPE HIGHER THAN 4 FEET. GASKETS SHALL BE STORED IN A COOL, DARK PLACE OUT OF CONTACT WITH OIL OR GREASE, AND ANY OTHER FOREIGN MATERIAL.
25. NEW SEWER MAINS WILL NOT BE CONNECTED TO THE CITY'S SEWER SYSTEM UNTIL THE REQUIREMENTS FOR OCCUPANCY ARE MET. FLOWS WILL BE RETAINED WITHIN THE NEWLY CONSTRUCTED SYSTEM BY MEANS OF PLUGGING THE NEW SYSTEM WITH A SAND TRAP OR SIMILAR PLUGGING SYSTEM IN A PLACE THAT WILL NOT IMPAIR THE FUNCTION OF THE CITY'S SEWER SYSTEM.
26. ALL SEWER LINES SHALL MEET ALL TESTING, CLEANING, AND VIDEOTAPING REQUIREMENTS, PRIOR TO CONNECTION TO THE CITY'S SEWER SYSTEM. NO TIE-IN CONNECTIONS WILL BE DONE UNTIL THE CITY HAS ACCEPTED THE NEW LINE.
27. PRIOR TO RELEASING SEWAGE INTO THE CITY'S SEWER SYSTEM, THE CONTRACTOR SHALL: A) PERFORM AN AIR PRESSURE TEST PER SECTION 306-7.8.2.4 OF THE STANDARD SPECIFICATION FOR PUBLIC WORKS CONSTRUCTION; B) WAYNEBALL OR HYDRO JET ALL LINES; AND, C) HAVE A VIDEO INSPECTION OF ALL LINES THAT HAS BEEN APPROVED BY THE WATER UTILITIES DEPARTMENT.
28. A WATER INFILTRATION TEST SHALL BE PERFORMED ON ALL SEWER LINES LAID IN GROUNDWATER, PER SECTION 306-7.8.2.3 OF THE STANDARD SPECIFICATION FOR PUBLIC WORKS CONSTRUCTION.
29. EXISTING SEWER MAINS WILL NOT BE USED FOR DISCHARGE OF STORM WATERS, DRAINAGE, OR OTHER SIMILAR USES PER CITY OF OCEANSIDE CODE, SECTION 29.131.
30. ALL SEWER FORCE MAINS SHALL BE PROVIDED WITH AIR RELEASE AND VACUUM VALVES AT THE REQUIRED LOCATIONS. THE AIR VALVE ASSEMBLY SHALL BE EASILY ACCESSIBLE TO THE WATER UTILITIES DEPARTMENT FOR MAINTENANCE PURPOSES.
31. DURING ANY ACTIVITY OR WORK AROUND, OR IN, AN EXISTING SEWER LINE, THE CONTRACTOR AT THEIR EXPENSE, WILL PROTECT THE SYSTEM BY INSTALLING "TRAPS" IN THE OUTLET SIDE OF THE CLOSEST MANHOLE. THE "TRAPS" AND THEIR LOCATION SHALL BE SUBMITTED TO THE WATER UTILITIES DEPARTMENT FOR APPROVAL. THE "TRAPS" WILL REMAIN IN PLACE UNTIL ALL REQUIREMENTS (TESTING, CLEANING, VIDEOTAPING, ETC.), HAVE BEEN COMPLETED AND APPROVED.
32. UPON ACTIVATION OF A SEWER LINE, THE CONTRACTOR--AT THEIR EXPENSE--WILL PROTECT THE LINE FROM FOREIGN MATERIAL BY INSTALLING PLYWOOD, OR OTHER INSPECTOR APPROVED MATERIAL, OVER THE MANHOLE BASE UNTIL ALL GRADING, PAVING, AND MANHOLE RAISING IS COMPLETE AND ACCEPTED BY THE CITY.
33. POLYETHYLENE ENCASEMENT: ALL UNDERGROUND INSTALLED VALVES, DUCTILE IRON PIPE, AND FITTINGS SHALL BE ENCASED IN 2 LAYERS OF 8-MIL POLYETHYLENE AT THE TIME OF INSTALLATION. POLYETHYLENE ENCASEMENT AND INSTALLATION SHALL BE IN ACCORDANCE WITH ANSI/AWWA C105/A21.5.
34. PIPE INSTALLATION: THE INSIDE AND OUTSIDE OF THE PIPE SHALL BE CLEAN AND FREE FROM FOREIGN MATERIAL OF ANY KIND BEFORE BEING INSTALLED.
35. 3 INCH MINIMUM WIDTH COLOR CODED DETECTOR TAPE MARKED "SEWER" IN 1-½ INCH BLACK LETTERS SHALL BE PLACED ON THE COMPACTED AND GRADED BEDDING MATERIAL ONE FOOT ABOVE AND CENTERED OVER THE SEWER MAIN PRIOR TO BACKFILLING THE TRENCH.
36. ALL WATER DISCHARGE FROM CLEANING, VIDEO, AND OTHER ACTIVITIES SHALL COMPLY WITH ALL REQUIREMENTS OF THE CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD--SAN DIEGO REGION (SDRWQCB) REGULATIONS.

37. CONNECTIONS TO A PUBLIC SEWER MAIN WITH A 6-INCH OR LARGER SEWER LATERAL SHALL BE MADE AT AN EXISTING MANHOLE, OR REQUIRE A NEW SEWER MANHOLE FOR CONNECTION PER SECTION 3.3 OF THE CITY OF OCEANSIDE'S WATER, SEWER, AND RECYCLED WATER DESIGN AND CONSTRUCTION MANUAL.

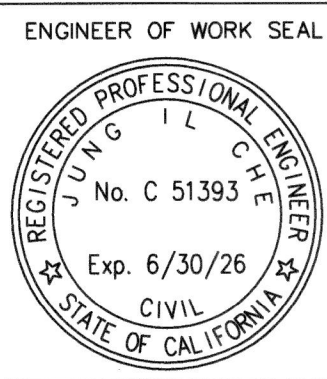
38. CONNECTION TO AN EXISTING SEWER MANHOLE WILL REQUIRE REHABILITATION OF THE MANHOLE PER CITY STANDARDS. REHABILITATION MAY INCLUDE, BUT NOT BE LIMITED TO, CLEANING, RE-CHANNELING OF THE MANHOLE BASE, SURFACE PREPARATION COATING THE INTERIOR OF THE MANHOLE, AND REPLACING THE MANHOLE CONE WITH A 36" OPENING AND DOUBLE RING MANHOLE FRAME AND LID.

39. MANHOLES LOCATED IN AN EASEMENT SHALL BE EQUIPPED WITH A 36-INCH COMPOSITE LID WITH A LOCKING MECHANISM. MANHOLE LIDS SHALL BE EJ 3800 COMPOSITE MANHOLE AND FRAME WITH TITUS TWISTLIFT LOCK OR APPROVED EQUAL.

WATER UTILITIES COMMENTS:

1. WATER AND SEWER IMPROVEMENTS IN THE RIGHT-OF-WAY SHALL BE DESIGNED AND INSTALLED PER THE STREET IMPROVEMENT PLANS AND SHOWN ON THE GRADING AND BUILDING PLANS FOR REFERENCE ONLY.
2. REFERENCE CITY STANDARD DRAWINGS FOR INSTALLATION OF WATER METER AND SERVICE, DUAL CHECK VALVE, SEWER LATERAL, AND SEWER CLEANOUT.
3. INDICATE THE SIZE OF A NEW WATER METER AND IF APPLICABLE, INDICATE THE SIZE AND LOCATION OF A NEW 1" WATER SERVICE PER CITY STANDARD DRAWING (OSD) W-04.
- A. FOR NEW HOUSES, A 1" METER IS TYPICAL FOR FIRE SPRINKLERS. BUT SHOULD BE VERIFIED WITH THE SPRINKLER DESIGNER. IF THE DOMESTIC DEMAND BASED ON THE FIXTURE COUNT ONLY REQUIRES A 3/4" METER, THEN THE CITY WILL INSTALL A 1" METER FOR PROTECTION, AND THE OWNER WILL BE BILLED MONTHLY FOR A 3/4" METER. IF THIS IS APPLICABLE PLEASE CALL OUT THE AS A 1" METER FOR FIRE (BILLED AS 3/4") ON THE PLANS.
- B. SERVICE SHALL NOT BE LOCATED IN A DRIVEWAY.
- C. NEW WATER METER SHALL BE NOT BE LOCATED IN SIDEWALK. MOVE NEW WATER METER LOCATION TO BEHIND PROPERTY LINE.
- D. FOR METERS LOCATED BEHIND PROPERTY LINE, PROVIDE CUTOUT EASEMENT FOR METER. PROCESS EASEMENT DEDICATION THROUGH CITY ENGINEERING DIVISION. CONTACT DEVELOPMENT SERVICES: DSCSTAFF@OCEANSIDECA.ORG.
- E. PER THE STATE WATER RESOURCES CONTROL BOARD CROSS-CONNECTION CONTROL POLICY HANDBOOK, WATERMETERS THAT SERVE AN NFPA 13D AUTOMATIC FIRE SPRINKLER SYSTEM ALONG WITH THE DOMESTIC WATER SYSTEM SHALL BE EQUIPPED WITH A DOUBLE CHECK (DC) BACKFLOW PREVENTER WITH SHUT OFF VALVES AND TEST PORTS. ALTERNATIVELY, A DC BACKFLOW DEVICE IS NOT REQUIRED IF THE FIRE PROTECTION SYSTEM IS CONSTRUCTED USING PIPING MATERIALS CERTIFIED TO MEET NSF/ANSI STANDARD 61, AND THE FIRE PROTECTION SYSTEM IS LOOPED WITHIN THE STRUCTURE AND CONNECTED TO ONE OR MORE ROUTINELY USED FIXTURE(S) (E.G., WATER CLOSET, CLOTHES WASHER) TO PREVENT STAGNANT WATER. CALL OUT ON PLANS IF A DOUBLE CHECK BACKFLOW DEVICE WILL BE INSTALLED OR MAKE A NOTE THAT A PASSIVE PURGE SYSTEM WILL BE INSTALLED IN THE PROPOSED SINGLE-FAMILY DEVELOPMENT.
4. INDICATE THE SIZE AND LOCATION OF THE EXISTING SEWER LATERAL ON THE SITE PLAN.
- A. IF THE EXISTING SEWER LATERAL DOES NOT HAVE A SEWER LATERAL CLEANOUT, THEN INDICATE TO INSTALL A SEWER LATERAL CLEANOUT PER SDRSO SC-01.5. ALL LOTS WITH A FINISH PAD ELEVATION LOCATED BELOW THE ELEVATION OF THE NEXT UPSTREAM MANHOLE COVER OF THE PUBLIC SEWER SHALL BE PROTECTED FROM BACKFLOW OF SEWAGE BY INSTALLING AND MAINTAINING AN APPROVED TYPE BACKWATER VALVE. PER THE LATEST ADOPTED CALIFORNIA PLUMBING CODE.6. PROVIDE STATIONING OR DIMENSIONS TO LOCATE THE PROPOSED WATER AND SEWER SERVICE LINES.

| NO. | APPROVED REVISIONS | BY | DATE |
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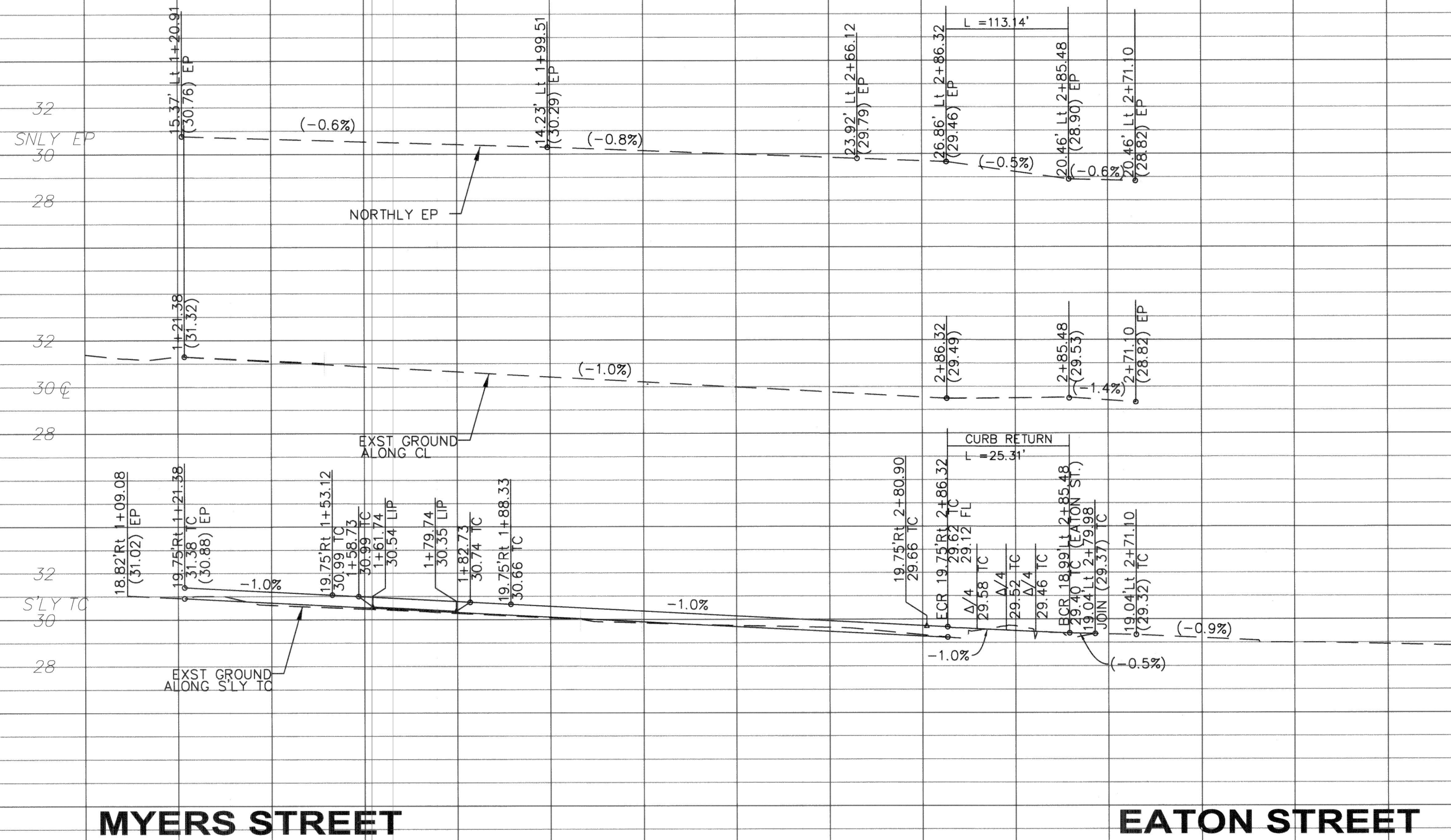


| CITY NAVD88 BENCHMARK            |                                                                           |
|----------------------------------|---------------------------------------------------------------------------|
| Description:                     | BM# 1010                                                                  |
| CASSIDY ST & MYERS ST. BENCHMARK |                                                                           |
| Location:                        | MONUMENT WELL AT APPARENT INTERSECTION OF CASSIDY STREET AND MYERS STREET |
| Record From:                     | CITY OF OCEANSIDE GEODETIC CONTROL NETWORK                                |
| Elev.:                           | 38.50 Datum: NAVD88                                                       |

EDDA NO. E00425-00024

WDID NO. N/A FILE NO. RC23-00005

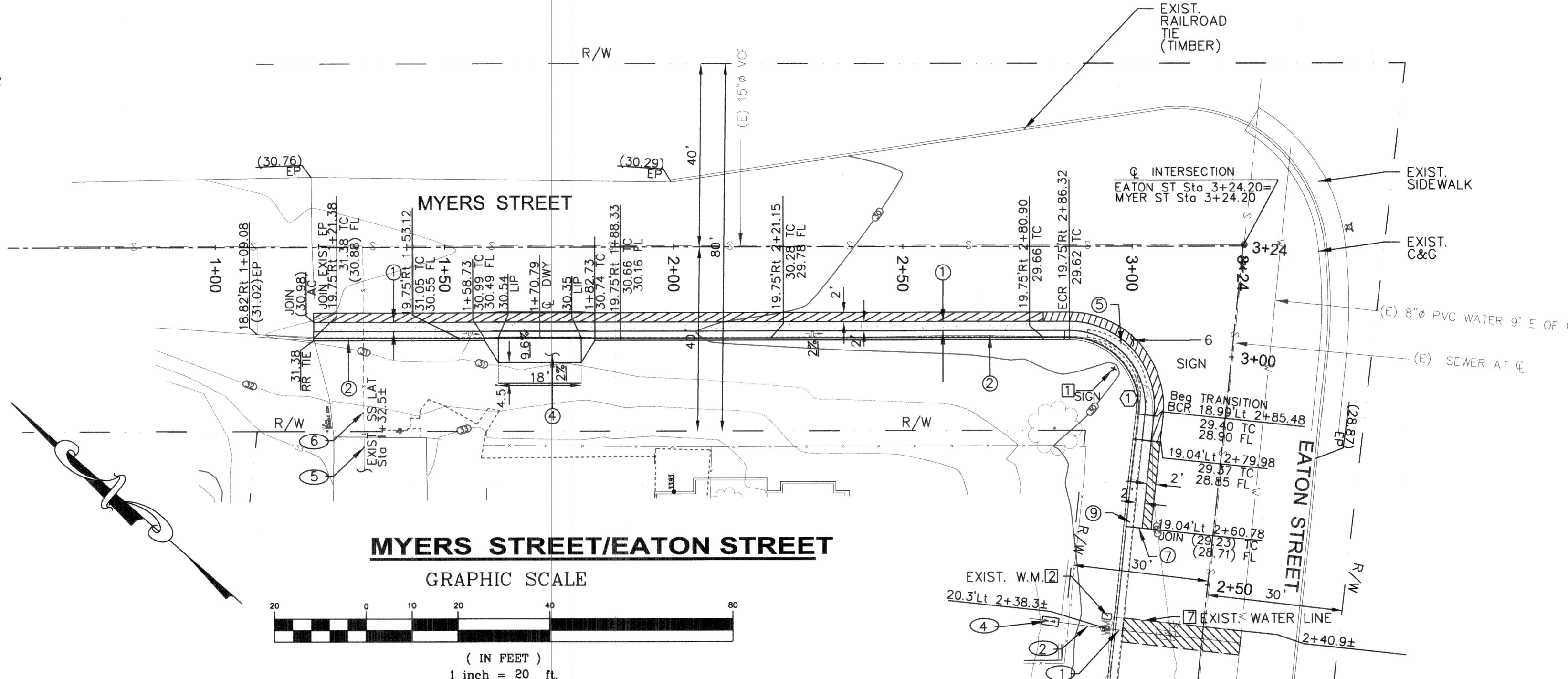
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|--------------------------------------------------|-------------------------------------------|-------------------------------|
| SHEET<br>2                                       | CITY OF OCEANSIDE<br>ENGINEERING DIVISION | 3<br>SHEETS                   |
| WATER UTILITIES STANDARD NOTES                   |                                           |                               |
| STEELE SFR DEVELOPMENT<br>IMPROVEMENT PLAN       |                                           |                               |
| AT EATON STREET-MYERS STREET INTERSECTION        |                                           |                               |
| ACCEPTED BY                                      |                                           |                               |
| CITY ENGINEER: <u>Brian K. Thomas</u> P.E. 60907 |                                           | Date: <u>6.10.25</u>          |
| Prepared under the direction of:                 |                                           |                               |
| Sign: <u>Jung Che</u>                            | Date: <u>05/14/25</u>                     | Reviewed By: <u>P. 6/9/25</u> |
| PRINT Name: <u>JUNG I. CHE</u>                   | Date:                                     | PLAN NUMBER<br>R24-00008      |



Horizontal Scale: 1" = 20'  
Vertical Scale: 1" = 4'

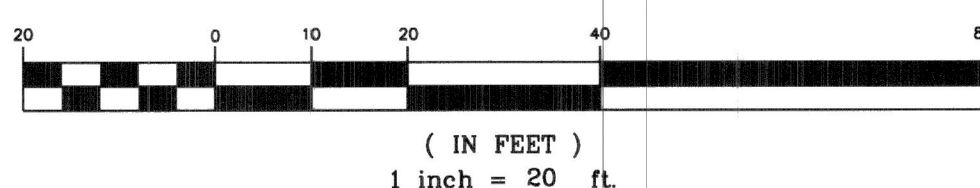
#### CONSTRUCTION NOTES

1. CONSTRUCT 3" AC PAVEMENT ON 6" CRUSHED AGGREGATE BASE ON 6" OF 95% COMPACTED SUBGRADE.
2. CONSTRUCT C&G PER SDR STD DWG G-02, OVER 6-INCH CLASS II BASE.
3. NOT USED
4. CONSTRUCT CONCRETE 18' WIDE DRIVEWAY-TYPE A PER SAN DIEGO REGIONAL STD DWG G-14A.
5. REMOVE EXISTING C&G, AND AC PAVEMENT.
6. GRIND, CRACKSEAL AND OVERLAY TO MATCH EXISTING OF MIN DEPTH OF 2" PER CITY STD DWG NO. M-3A AND M-3C.
7. SAWCUT IN NEAT LINE A DEPTH OF 1" MIN INTO EXIST PAVEMENT.
8. NOT USED
9. CONSTRUCT 6" C&G OVER 6-INCH CLASS II BASE, PER SDR STD DWG G-02.



#### MYERS STREET/EATON STREET

##### GRAPHIC SCALE



#### WATER NOTES

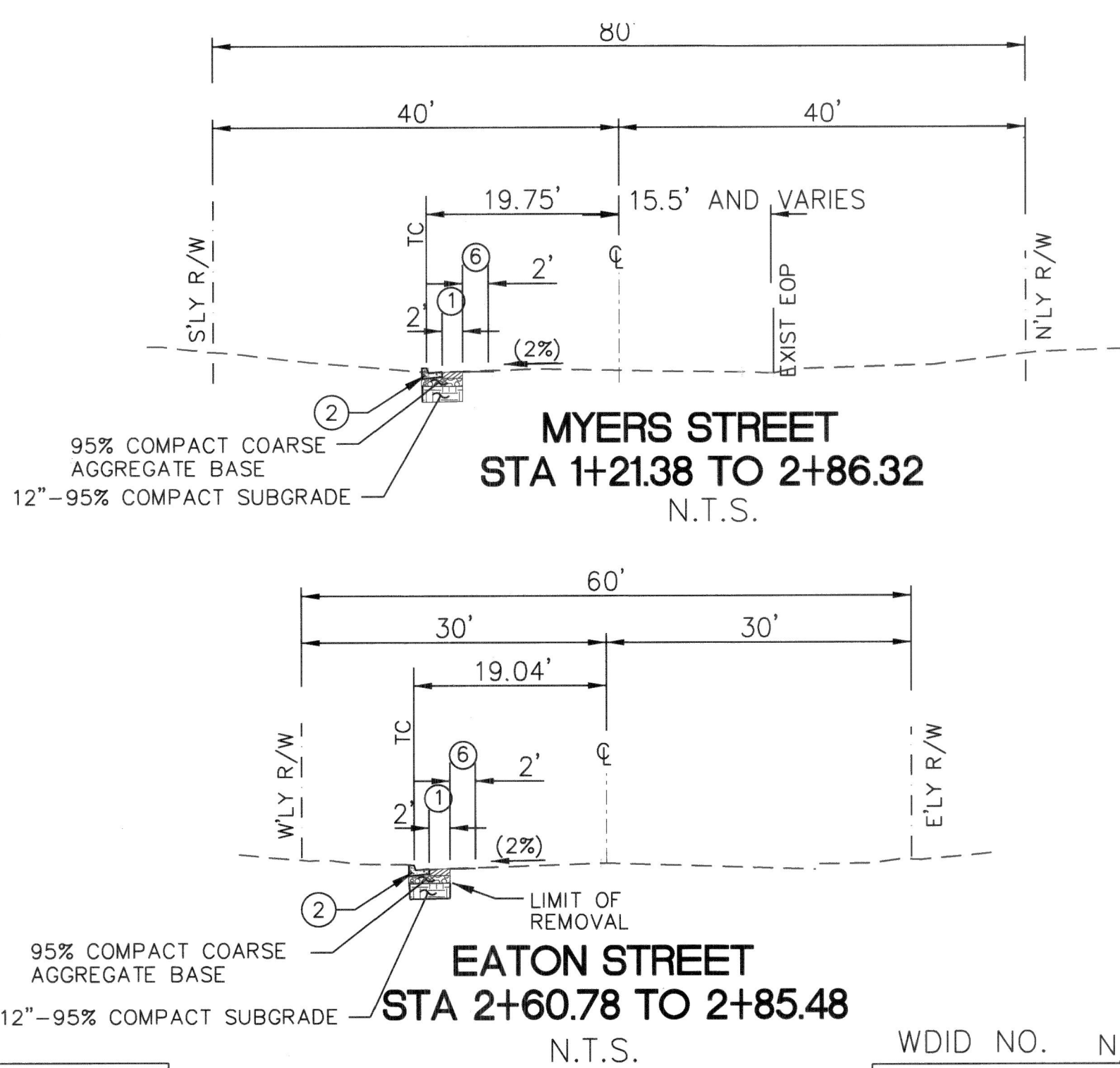
1. INSTALL 1" COPPER WATER SERVICE AND 1" WATER METER PER OSD W-04 W/ BEDDING PER CITY'S STANDARD DWG. M-3A, TRENCH BACKFILLING & RESURFACING DETAIL 30 LF
2. INSTALL 1" DOMESTIC SERVICE LINE 1 EA
3. NOT USED
4. INSTALL DOUBLE CHECK BFD PER OSD W-12 1 EA

#### SEWER NOTES

5. INSTALL SEWER LATERAL CLEANOUT PER SDRSD SC-01 1 EA
6. EXIST. 4"-DIA SS LATERAL. CONTRACTOR REQUIRED TO FIELD VERIFY LOCATION OF SS LATERAL

#### DISPOSITION NOTES

1. PROTECT IN PLACE
2. REMOVE EXIST. W.M. PER OSD W-06
3. RELOCATE (BY OTHERS)
4. REMOVE AND DELIVER TO OWNER
5. ADJUST TO GRADE
6. TO BE RELOCATED BY OTHERS
7. TO BE ABANDONED PER OSD W-06



#### MYERS STREET STA 1+21.38 TO 2+86.32 N.T.S.

#### EATON STREET STA 2+60.78 TO 2+85.48 N.T.S.

| CURVE DATA |       |       |       |
|------------|-------|-------|-------|
| DELTA      | L     | R     | T     |
| 96°39'31"  | 25.31 | 15.00 | 16.85 |



| NO. | DESCRIPTION | APP'D | DATE |
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Bench Mark Description: BM# 1010  
CASSIDY ST & MYERS ST. BENCHMARK  
Location: MONUMENT WELL AT APPARENT INTERSECTION  
OF CASSIDY STREET AND MYERS STREET  
Record From: CITY OF OCEANSIDE GEODETIC CONTROL NETWORK  
Elev. 38.50 Datum: NAVD88

WDID NO. N/A EDDA NO. EDDA 25-00024  
FILE NO. RC23-00005

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|-------------------------------------------------------------------------------------------------------------|---------------------------------------------|--------------------------|
| SHEET<br>3                                                                                                  | CITY OF OCEANSIDE<br>ENGINEERING DIVISION   | 3<br>SHEETS              |
| STEELE SFR DEVELOPMENT<br>IMPROVEMENT PLAN<br>AT EATON STREET-MYERS STREET INTERSECTION<br>PLAN AND PROFILE |                                             |                          |
| APPROVED<br>CITY ENGINEER: BRIAN K. THOMAS P.E. 60907<br>Date: 6.10.25                                      |                                             |                          |
| Prepared under the direction of:<br>SIGN: [Signature]<br>NAME: JUNG LUCHE                                   | Reviewed By:<br>[Signature]<br>DATE: 6/9/25 | PLAN NUMBER<br>R24-00008 |