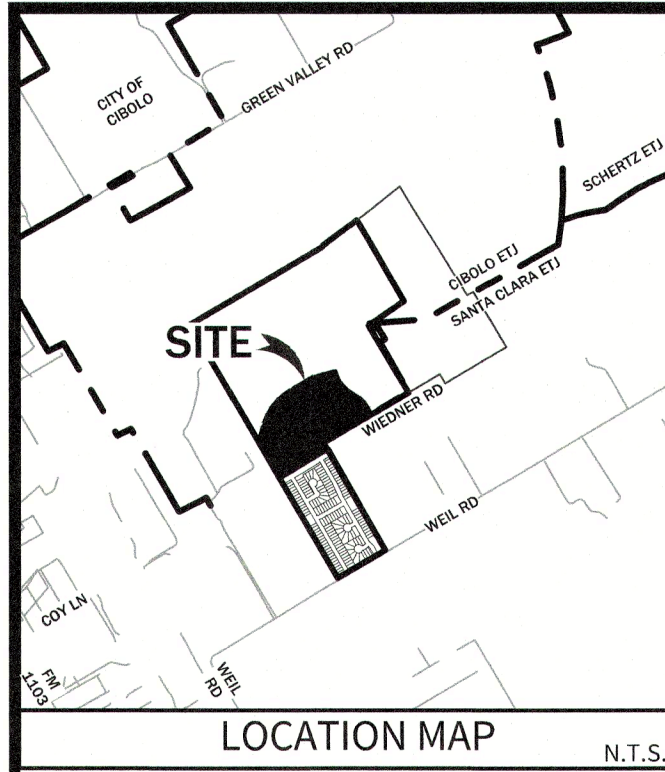
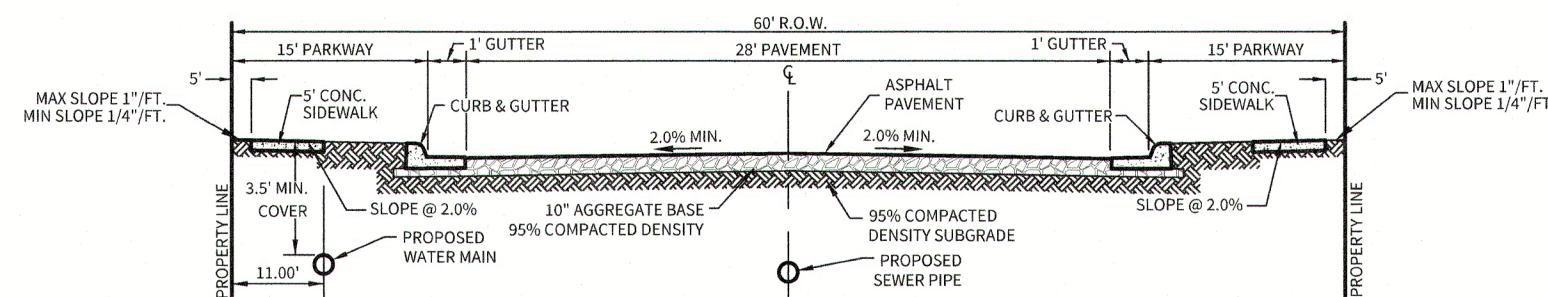


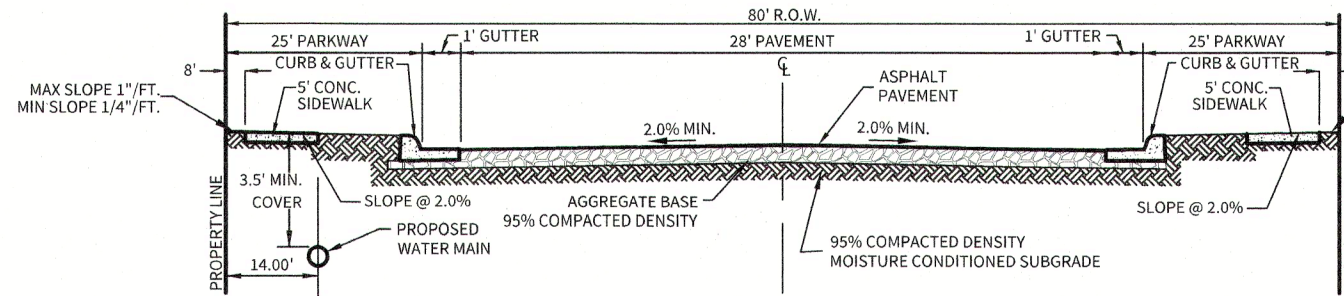


DEVELOPER:
LENNAR HOMES OF TEXAS LAND AND CONSTRUCTION, LTD.
CONTACT PERSON: RICHARD MOTT, PE
10 NE LOOP 410, SUITE 1155
SAN ANTONIO, TX 78231
TEL: (210) 403-6200

CIVIL ENGINEER:
CUDE ENGINEERS
CONTACT PERSON: CHRIS J. CHAFFEE, P.E.
4122 POND HILL ROAD, SUITE 101
SAN ANTONIO, TX 78231
TEL: (210) 681-2951
FAX: (210) 523-7112



LOCAL "A" STREET CROSS-SECTION
N.T.S.

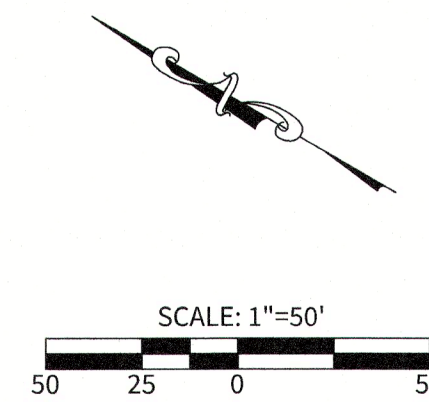


COLLECTOR STREET CROSS-SECTION
N.T.S.

Developer's Name			
LENNAR HOMES OF TEXAS LAND AND CONSTRUCTION, LTD.			
Developer's Address			
100 NE LOOP 410, SUITE 1155			
City			
SAN ANTONIO			
State			
TEXAS			
Zip			
78216			
Phone #			
(210) 403-6282			
Fax #			
Total EDUs			
170.5			
Total Acreage			
31			
Total Linear Footage of Pipe			
12' W - 2,764 L.F. 8" W - 3,152 L.F.			
Meter Size			
163 - 5/8" METER 5 - 3/4" METER (RR)			
Number of Lots			
163			
Job No.			
N/A			

NOTES:

1. IN THE CITY OF CIBOLO, FIRE HYDRANTS SHALL BE MUELLER OR E J TYPE AND SHALL BE 1" MINIMUM AND 7" MAXIMUM FROM THE BACK OF CURB.
2. DISINFECTION SHALL BE BY MACHINE CHLORINATION.
3. CONTRACTOR TO UTILIZE APPROVED WATER LINE STOPS AND/OR MUELLER INSERTION VALVES TO MINIMIZE WATER OUTAGES AS REQUIRED BY GVSUD DURING CONSTRUCTION.
4. MOISTURE DENSITY COMPACTION TESTING FREQUENCY: WATER MAIN TRENCHES REQUIRED EVERY 300 L.F. FOR EACH VERTICAL FOOT OF COMPACTED BACKFILL. SERVICES RANDOMLY SELECTED AS REQUIRED BY GVSUD INSPECTOR.
5. ALL TESTING AND TEST REPORTS SHALL BE COORDINATED WITH GVSUD INSPECTOR BY THE CONTRACTOR.
6. ALL DUCTILE IRON PIPE TO BE AMERICAN, ZINC COATED, AWWA/ANSI C-151



CAUTION!!!

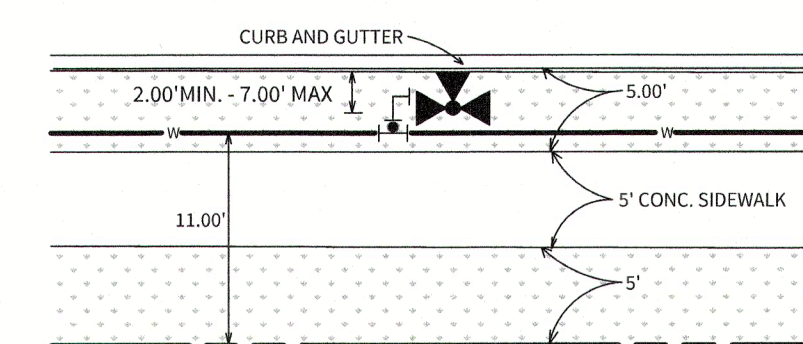
THE CONTRACTOR SHALL BE AWARE THAT EXISTING UTILITIES ARE WITHIN COY LANE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO HAVE THESE UTILITIES LOCATED PRIOR TO COMMENCING CONSTRUCTION. THE CONTRACTOR SHALL USE EXTREME CAUTION WHEN WORKING IN THIS AREA. ANY DAMAGE DONE TO THESE EXISTING FACILITIES WILL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO REPAIR.

TRENCH EXCAVATION SAFETY PROTECTION

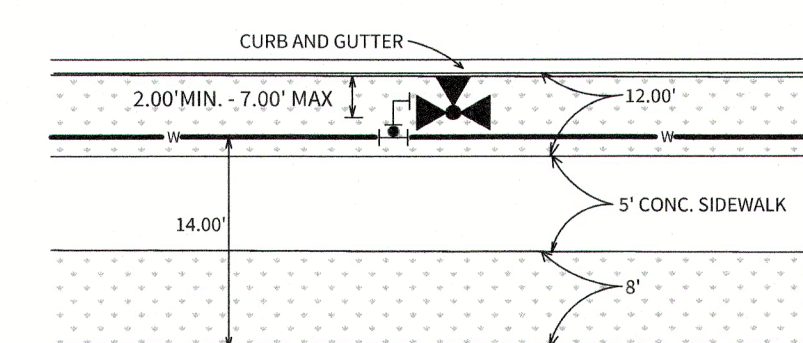
CONTRACTOR AND/OR CONTRACTOR'S INDEPENDENTLY RETAINED EMPLOYEE OR STRUCTURAL DESIGN/GEOTECHNICAL/SAFETY/EQUIPMENT CONSULTANT, IF ANY, SHALL REVIEW THESE PLANS AND AVAILABLE GEOTECHNICAL INFORMATION AND THE ANTICIPATED INSTALLATION SITE(S) WITHIN THE PROJECT WORK AREA IN ORDER TO IMPLEMENT CONTRACTOR'S TRENCH EXCAVATION SAFETY PROTECTION SYSTEMS, PROGRAMS AND/OR PROCEDURES FOR THE PROJECT DESCRIBED IN THE CONTRACT DOCUMENTS. THE CONTRACTOR'S IMPLEMENTATION OF THESE SYSTEMS, PROGRAMS AND/OR PROCEDURES SHALL PROVIDE FOR ADEQUATE TRENCH EXCAVATION SAFETY PROTECTION THAT COMPLY WITH AS A MINIMUM, OSHA STANDARDS FOR TRENCH EXCAVATIONS. SPECIFICALLY, CONTRACTOR AND/OR CONTRACTOR'S INDEPENDENTLY RETAINED EMPLOYEE OR SAFETY CONSULTANT SHALL IMPLEMENT A TRENCH SAFETY PROGRAM IN ACCORDANCE WITH OSHA STANDARDS GOVERNING THE PRESENCE AND ACTIVITIES OF INDIVIDUALS WORKING IN AND AROUND TRENCH EXCAVATION.

LEGEND

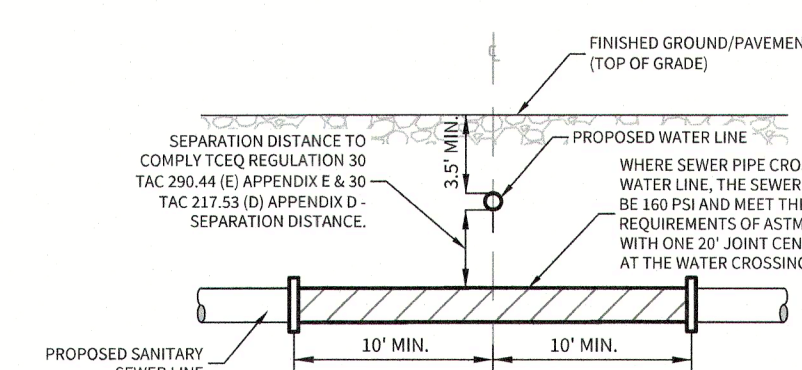
- EXISTING SANITARY SEWER
- PROPOSED SANITARY SEWER
- EXISTING SANITARY SEWER MANHOLE
- PROPOSED SANITARY SEWER MANHOLE
- EXISTING WATER MAIN
- PROPOSED WATER MAIN
- EXISTING STANDARD FIRE HYDRANT
- PROPOSED STANDARD FIRE HYDRANT
- EXISTING STANDARD GATE VALVE
- PROPOSED STANDARD GATE VALVE
- EXISTING PERMANENT BLOWOFF
- PROPOSED PERMANENT BLOWOFF
- ELECTRIC, GAS, TELEPHONE, & CABLE T.V. EASEMENT
- BUILDING SETBACK LINE



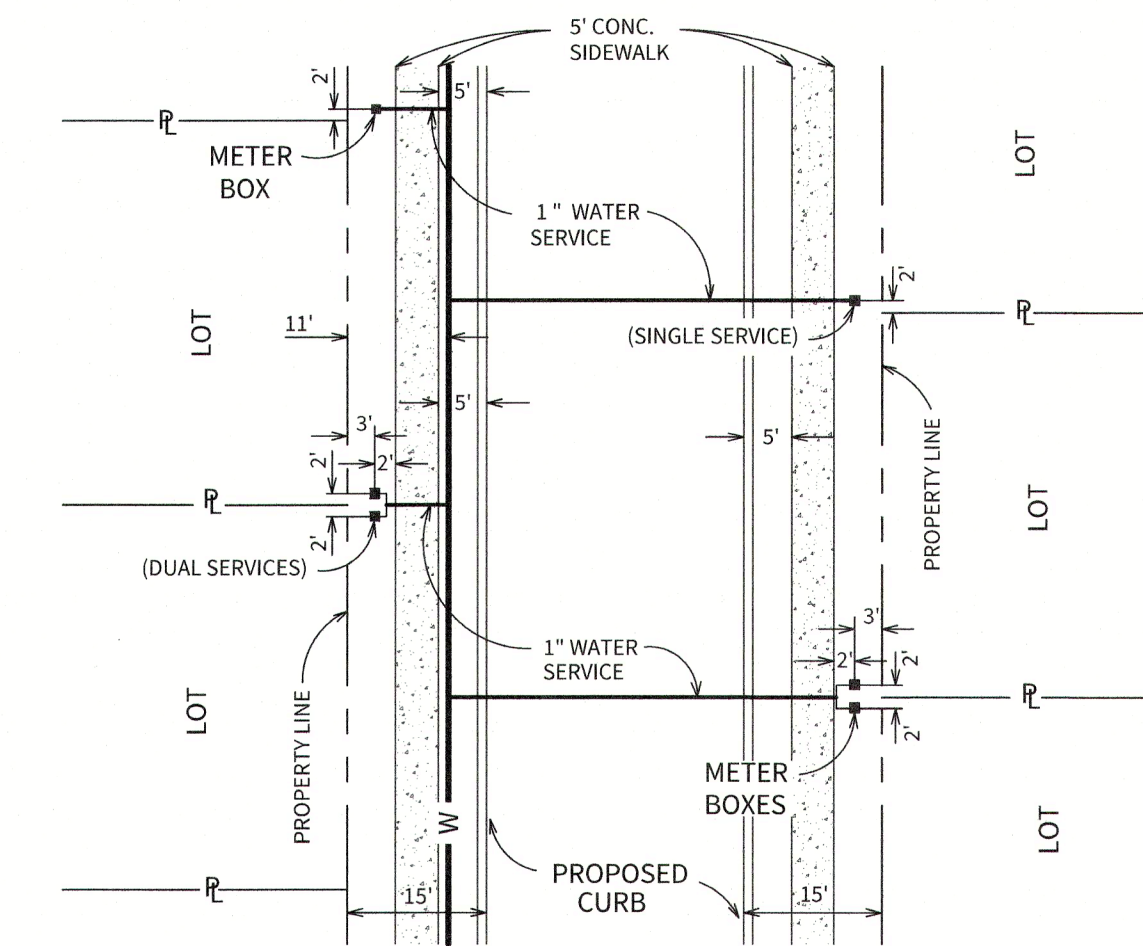
LOCAL RESIDENTIAL FIRE HYDRANT DETAIL (LOCAL "A" STREET)
N.T.S.



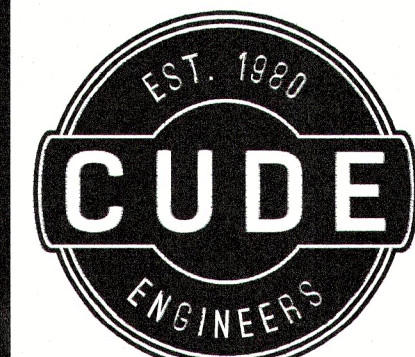
LOCAL RESIDENTIAL FIRE HYDRANT DETAIL (COLLECTOR STREET)
N.T.S.



TYPICAL SANITARY SEWER/ WATER CROSSING DETAIL
N.T.S.



WATER METER BOX LOCATION (60' R.O.W.)
N.T.S.



4122 Pond Hill Road, Suite 101
San Antonio, Texas 78231
P: (210) 681.2951 F: (210) 523.7112

GRACE VALLEY RANCH
PHASE 2

WATER DISTRIBUTION PLAN

DATE
04/21/2023

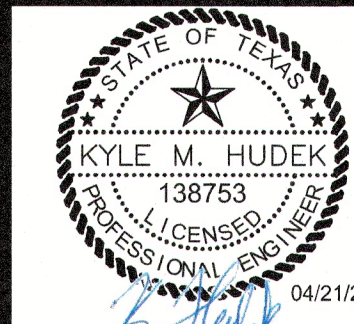
PROJECT NO.
03346.004

DRAWN BY
KMH/MS/NNR

CHECKED BY
CJC

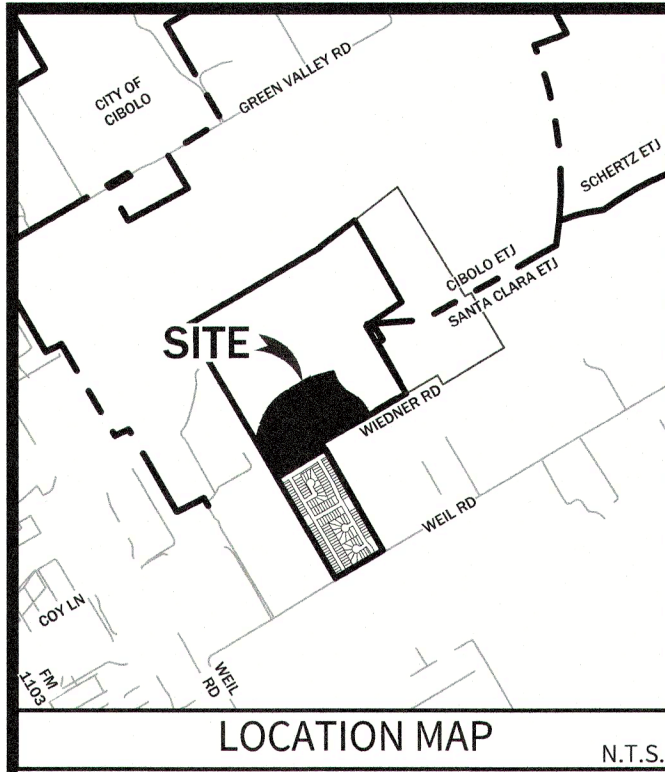
REVISIONS

- 1.
- 2.
- 3.
- 4.
- 5.
- 6.
- 7.
- 8.
- 9.



CUDE ENGINEERS
TBPE No. 455
TBPLS No. 10048500

W3



DEVELOPER:
LENNAR HOMES OF TEXAS LAND AND CONSTRUCTION, LTD.
CONTACT PERSON: RICHARD MOTT, PE
10 NE LOOP 410, SUITE 1155
SAN ANTONIO, TX 78216
TEL: (210) 681-6200

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SAN ANTONIO, TX 78231
TEL: (210) 681-2951
FAX: (210) 523-7112

LEGEND

EXISTING SANITARY SEWER	EX-8"SS
PROPOSED SANITARY SEWER	8"SS
EXISTING SANITARY SEWER MANHOLE	8"SM
PROPOSED SANITARY SEWER MANHOLE	8"SM
EXISTING WATER MAIN	EX-8"WM
PROPOSED WATER MAIN	8"WM
EXISTING STANDARD FIRE HYDRANT	8"FH
PROPOSED STANDARD FIRE HYDRANT	8"FH
EXISTING STANDARD GATE VALVE	8"GV
PROPOSED STANDARD GATE VALVE	8"GV
EXISTING PERMANENT BLOWOFF	8"BO
PROPOSED PERMANENT BLOWOFF	8"BO
PROPOSED LIGHT POLE	8"LP
ELECTRIC, GAS, TELEPHONE, & CABLE T.V. EASEMENT	E.G.T.CA ESMY
BUILDING SETBACK LINE	B.S.L.

NOTES:

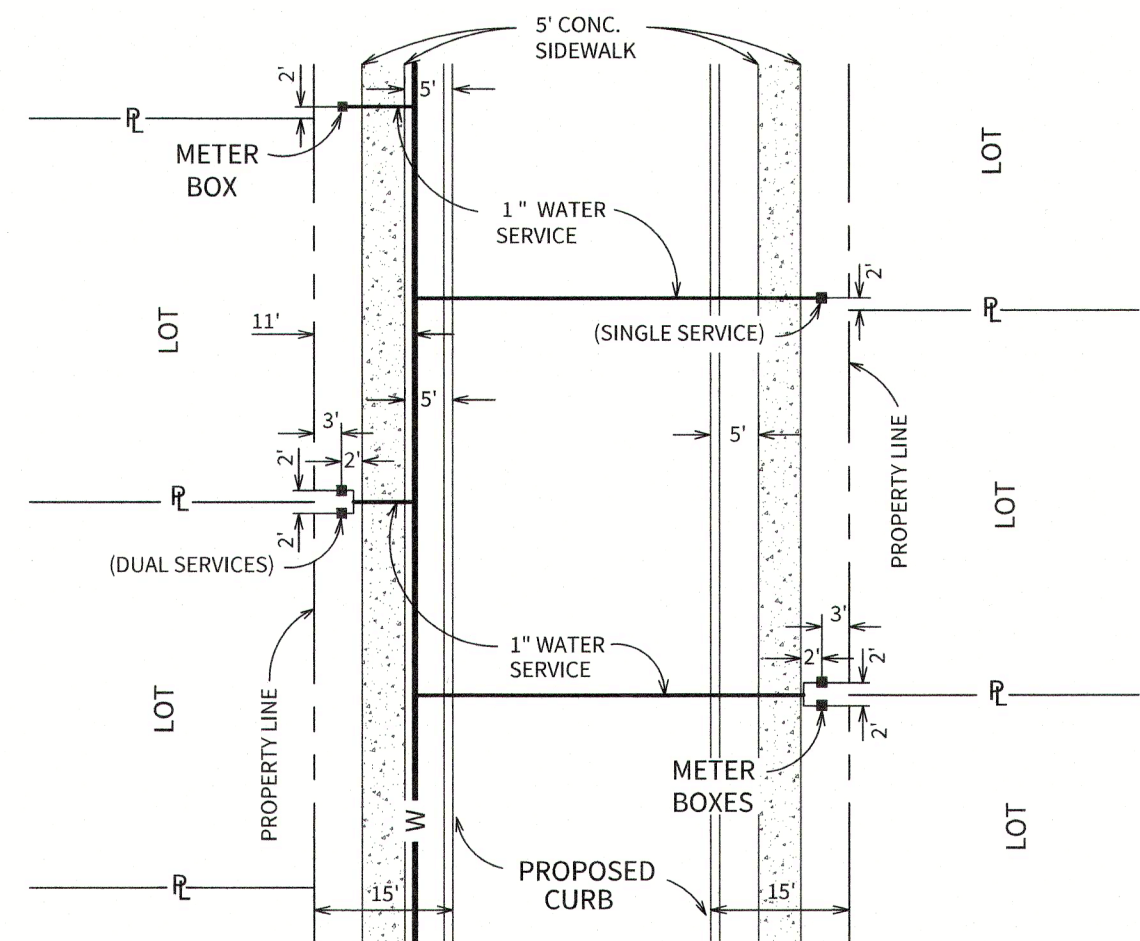
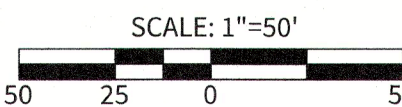
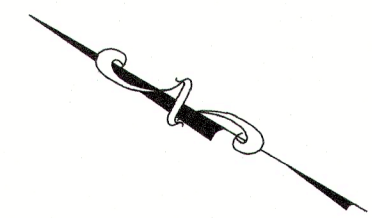
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CAUTION!!!

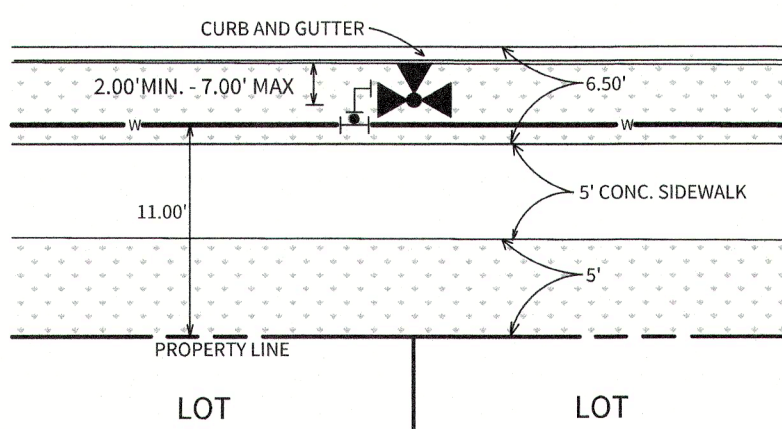
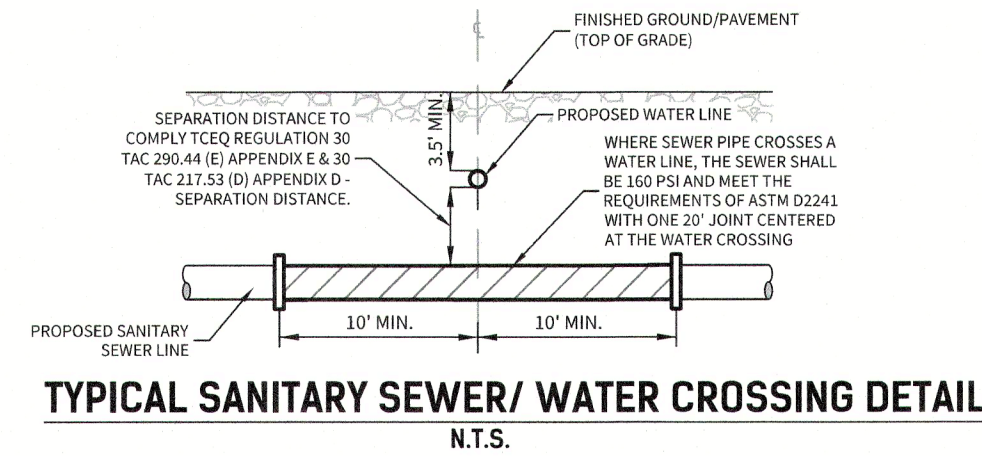
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TRENCH EXCAVATION SAFETY PROTECTION

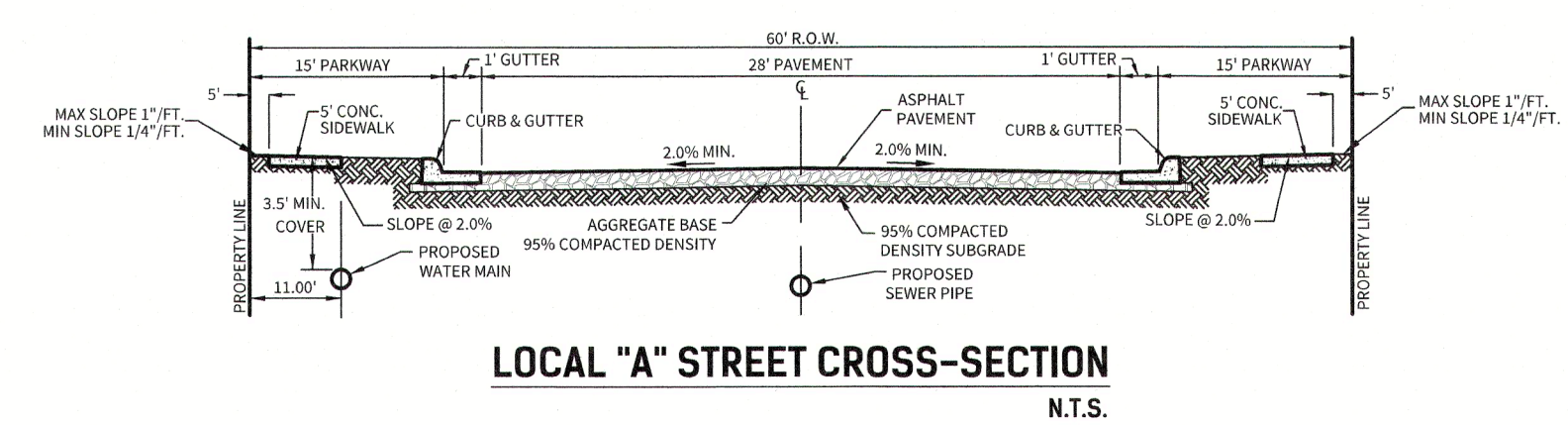
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WATER METER BOX LOCATION (60' R.O.W.)
N.T.S.



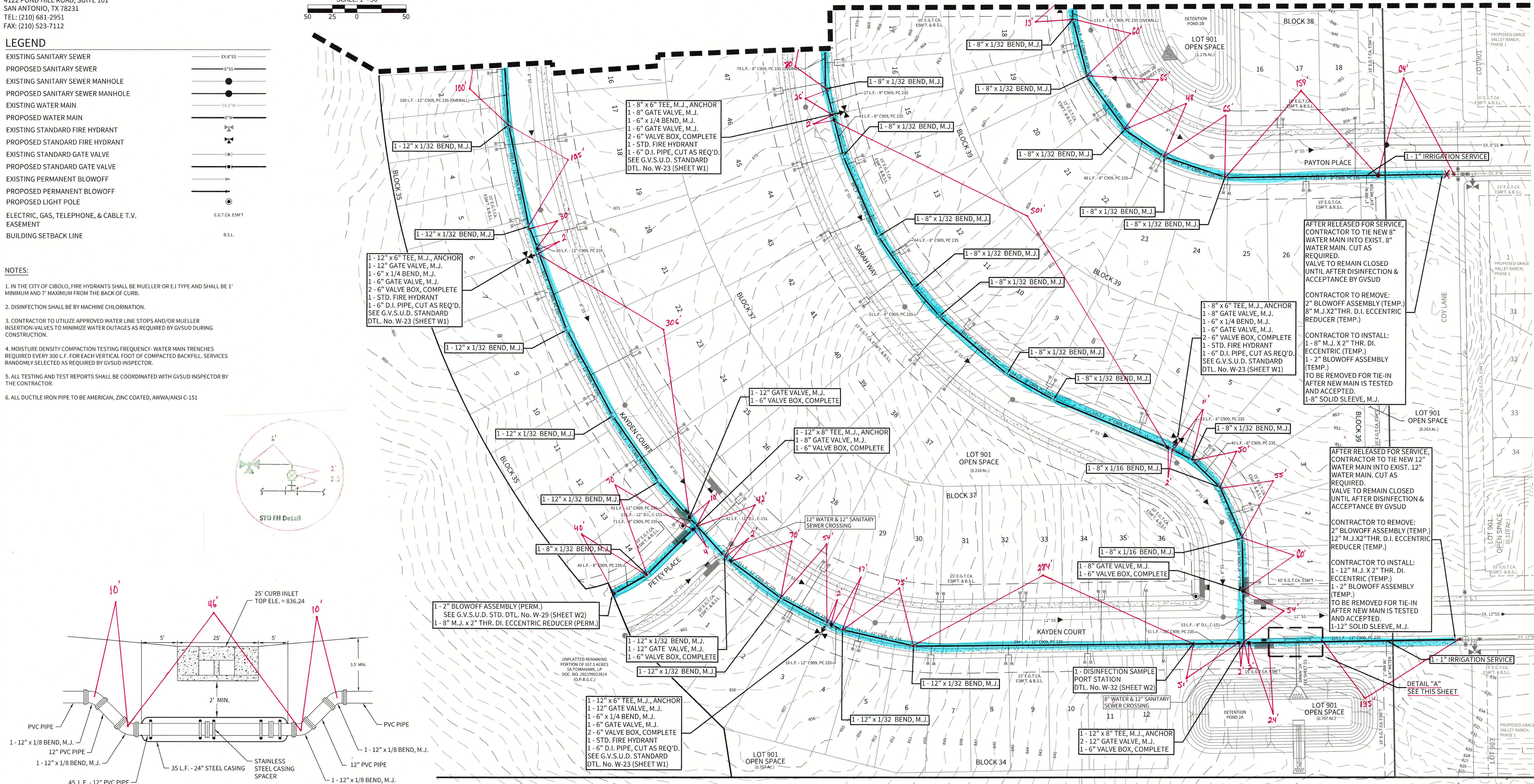
LOCAL RESIDENTIAL FIRE HYDRANT DETAIL (5' SIDEWALK)
N.T.S.



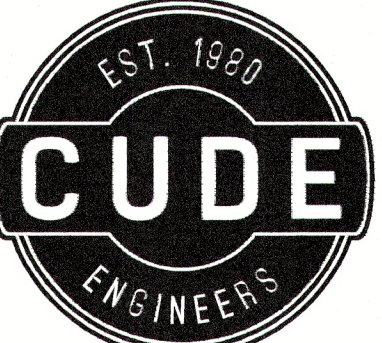
LOCAL "A" STREET CROSS-SECTION
N.T.S.

- NOTE:
- EXCLUSIVE OF THE TEE, PAYMENT FOR THE FIRE HYDRANT SHALL INCLUDE ALL FITTINGS, 8" D.I. PIPE AND 6" GATE VALVE & BOX.
 - FIRE HYDRANT TO BE INSTALLED OUTSIDE OF THE LIMITS OF ALL PROPOSED SIDEWALKS.

MATCHLINE "A" SEE SHEET W3



CURB INLET / WATER CROSSING - DETAIL "A"
N.T.S.



4122 Pond Hill Road, Suite 101
San Antonio, Texas 78231
P:(210) 681.2951 F:(210) 523.7112

GRACE VALLEY RANCH PHASE 2

WATER DISTRIBUTION PLAN

DATE
04/20/2023

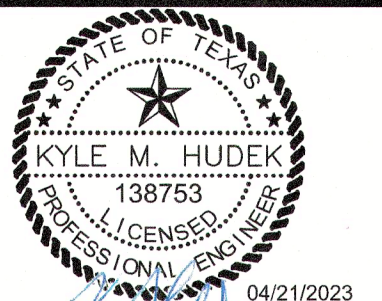
PROJECT NO.
03346.004

DRAWN BY
KMH/MH/MS/NNR

CHECKED BY
CJC

REVISIONS

-
-
-
-
-
-
-
-
-



CUDE ENGINEERS
TBPE No. 455
TBPLS No. 10048500

W4