

ALL CONSTRUCTION & MATERIALS SHALL BE IN ACCORDANCE WITH CITY OF VALDOSTA & GDOT STANDARDS AND SPECIFICATIONS.

CONTRACTOR SHALL CONTACT GDOT AREA INSPECTOR GUY RENTZ @ (912) 381-8048 48 HOURS PRIOR TO ANY CONSTRUCTION WITHIN GDOT RIGHT-OF-WAY.

ALL CONSTRUCTION & MATERIALS WITHIN GDOT RIGHT-OF-WAY SHALL CONFORM TO GDOT STANDARDS AND SPECIFICATIONS.

NO OPEN PITS SHALL BE LEFT OPEN OVERNIGHT OR LEFT UNATTENDED.

SYMBOL LEGEND

⊕	BENCHMARK
DB	DEED BOOK
PG	PAGE NUMBER
⊕	FIRE HYDRANT
⊕	WATER VALVE
⊕	WATER METER
⊕	BACK FLOW PREVENTER
⊕	BACK FLOW PREVENTER
⊕	POST INDICATOR VALVE
⊕	IRRIGATION CONTROL VALVE
⊕	WELL
⊕	ELECTRIC METER
⊕	ELECTRIC TRANSFORMER
⊕	LIGHT POLE
⊕	UTILITY POLE
⊕	GUY WIRE
⊕	SANITARY CLEAN OUT
⊕	SANITARY SEWER MANHOLE
⊕	GAS VALVE
⊕	GAS METER
⊕	MONITORING WELL
⊕	AIR CONDITIONER UNIT
⊕	DRAINAGE MANHOLE
⊕	DROP INLET
⊕	FLARED END SECTION
⊕	MAIL BOX
⊕	FIBER OPTIC PEDESTAL
⊕	CABLE TELEVISION PEDESTAL
⊕	TELEPHONE PEDESTAL
⊕	TRAFFIC SIGN
X	FENCE LINE
G	GAS LINE
UT	UNDERGROUND TELEPHONE
UE	UNDERGROUND ELECTRIC
OU	OVERHEAD UTILITIES
SS	SANITARY SEWER LINE
W	WATER LINE

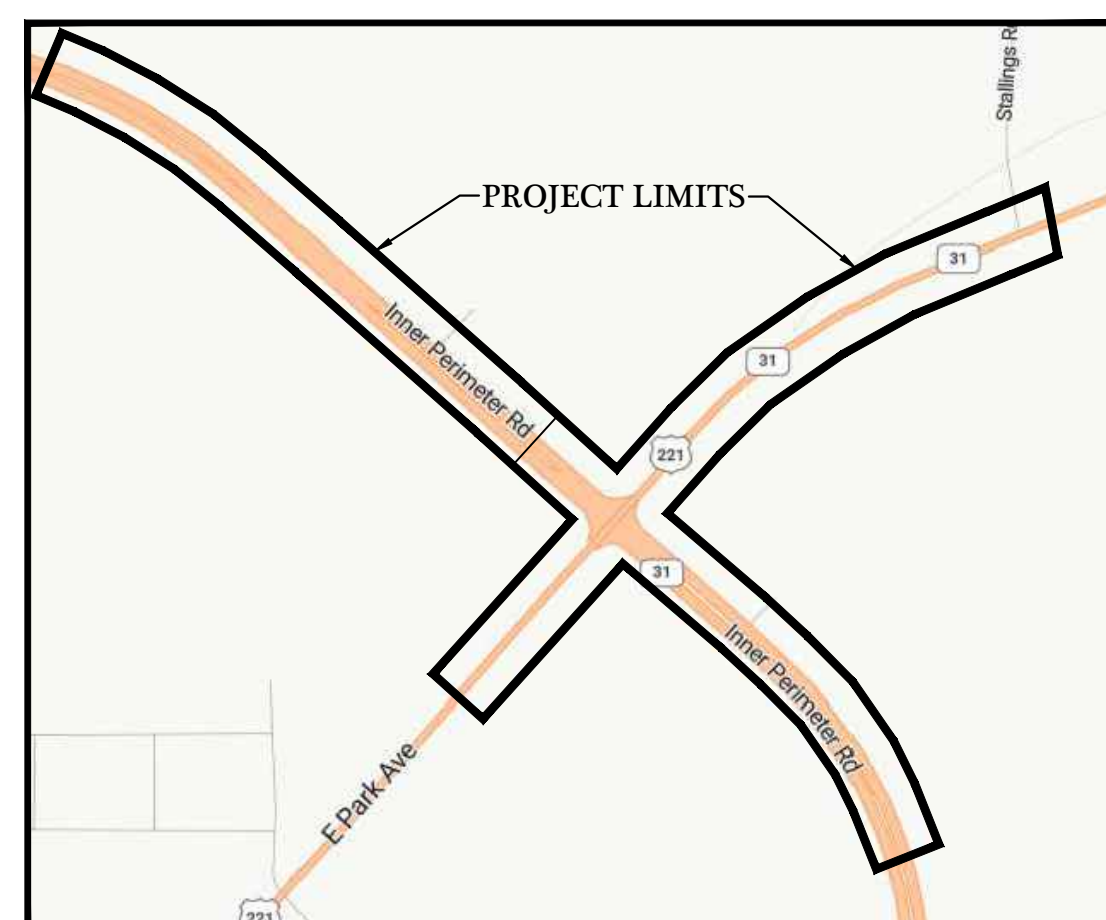
CONSTRUCTION PLANS FOR FOR INNER PERIMETER UTILITIES EXTENSIONS

US HWY 41 / SR 7 / INNER PERIMETER ROAD / R/W: 200' / PSL: 55MPH
US HWY 221 / SR 31 / LAKELAND HWY / R/W: 100' / PSL: 55MPH

CITY OF VALDOSTA, LOWNDES COUNTY, GA
LAND LOT 127 OF THE 11TH LAND DISTRICT

DATED: 03/31/2025
REVISED: APRIL 02, 2025

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LOCATION MAP
N.T.S.

PREPARED BY:

INNOVATE!

Engineering & Surveying

PHONE: 229-249-9113 - www.innovatees.com
2214 N. Patterson Street, Valdosta, GA 31602

GENERAL CONSTRUCTION NOTES:

- UTILITIES SHOWN HEREON ARE BASED UPON ABOVE GROUND APPURTENANCES ONLY. GIS DATA WAS USED TO ASSIST IN THE IDENTIFICATIONS OR LOCATION OF WATER AND SEWER LINES IN THE PROJECT AREA. UTILITY FACILITIES ARE SHOWN SCHEMATICALLY ON THE PLANS AND ARE NOT NECESSARILY ACCURATE AS TO DESCRIPTION, LOCATION, OR ELEVATION. UTILITY FACILITIES, SUCH AS SERVICE LINES OR UNKNOWN FACILITIES, NOT SHOWN ON THE PLANS WILL NOT RELIEVE THE CONTRACTOR OF HIS/HER RESPONSIBILITY UNDER TITLE 25, CHAPTER 9, OFFICIAL CODE OF GEORGIA ANNOTATED. VERIFY THE ELEVATIONS OF EXISTING PIPING, UTILITIES, AND ANY TYPE OF UNDERGROUND OR ENCASED OBSTRUCTION, NOT SPECIFICALLY INDICATED TO BE REMOVED, AS INDICATED OR DISCOVERED IN LOCATIONS TO BE TRAVERSED BY PIPING, DUCTS, AND OTHER WORK TO BE CONDUCTED OR INSTALLED.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING ALL UTILITY COMPANIES REGARDING LOCATION OF EXISTING UTILITIES AND SHALL BE RESPONSIBLE FOR THE COORDINATION OF WORK WHILE UTILITIES ARE BEING RELOCATED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPAIR OF ANY DAMAGE TO UTILITIES RESULTING FROM WORK PERFORMED BY THE CONTRACTOR. THE CONTRACTOR SHALL TAKE THE NECESSARY STEPS TO MINIMIZE ANY INTERRUPTION OF UTILITY SERVICE TO THE SURROUNDING RESIDENTS. CALL TOLL-FREE 1-800-282-7411, 72 HOURS PRIOR TO THE START OF WORK SO THAT EXISTING UNDERGROUND UTILITIES MAY BE LOCATED.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY LAND OR PROPERTY BEYOND THE PROJECT CONSTRUCTION AREA, WHICH MAY BE SUBJECT TO ANY EFFECTS OR BY-PRODUCTS OF HIS CONSTRUCTION EFFORTS.
- DEMOLITION SHOWN IS A MINIMUM REQUIREMENT. ADDITIONAL DEMOLITION MAY BE REQUIRED TO ACCOMMODATE CONSTRUCTION. THE CONTRACTOR SHALL REPAIR AND REPLACE ALL DAMAGED AND DISTURBED AREAS TO PRE-CONSTRUCTION CONDITIONS, OR BETTER, INCLUDING ALL PAVING, STABILIZED EARTH, SOIL, DRIVEWAYS, TREES, SIDEWALKS, CURBS, STORM SEWERS, ETC. WHERE APPLICABLE, THE SAME TYPE OF MATERIAL THAT WAS REMOVED OR DAMAGED DURING CONSTRUCTION SHALL BE USED. IN AREAS OF SIDEWALK AND CURB REMOVAL, REMOVE TO NEAREST JOINT. ALL WORK SHALL BE IN ACCORDANCE WITH ALL APPLICABLE RULES, REGULATIONS, CODES, ETC. CONTRACTOR MUST DISPOSE OF MATERIALS AT A DESTINATION APPROVED BY THE CONTRACTING OFFICER. NO CONSTRUCTION WASTE SHALL BE BURIED ON SITE.
- THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY WHEN CONFLICT BETWEEN THE DRAWINGS AND ACTUAL CONDITIONS ARE DISCOVERED DURING THE COURSE OF CONSTRUCTION.
- NO CONSTRUCTION SHALL COMMENCE UNTIL ALL APPLICABLE PERMITS AND REQUIRED EASEMENTS HAVE BEEN OBTAINED.
- CONTRACTOR SHALL PROVIDE AS-BUILT DRAWINGS AS REQUIRED BY THE CITY OF VALDOSTA.
- WATER MAINS AND SEWER MAINS SHALL BE INSTALLED WITH 4' OF MINIMUM COVER TO INCLUDE UNDER SWALES AND 18" VERTICAL TO UTILITY CROSSINGS. CONTRACTOR SHALL ENSURE A MINIMUM HORIZONTAL DISTANCE OF 5' BETWEEN NEW WATER MAIN LOCATIONS AND SIGNIFICANT ABOVE GROUND APPURTENANCES, E.G. BUILDINGS, POWER / UTILITY POLES, TREES, ETC. ALL TEES AND BENDS FOR WATER MAIN CONSTRUCTION SHALL BE DUCTILE IRON.
- UNDERGROUND UTILITY WORK MUST BE COMPLETED BY A GA LICENSED UTILITIES CONTRACTOR.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR INITIATING, SUPERVISING AND MAINTAINING ALL SAFETY PROGRAMS THROUGHOUT THE DURATION OF CONSTRUCTION. ALL BARRICADES, SUFFICIENT LIGHTS, SIGNS AND OTHER TRAFFIC CONTROL METHODS AS NECESSARY FOR THE PROTECTION AND SAFETY OF THE PUBLIC SHALL BE PROVIDED AND MAINTAINED BY THE CONTRACTOR THROUGHOUT THE DURATION OF CONSTRUCTION. TRAFFIC CONTROL METHODS SHALL CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).
- SAFE TRENCH CONSTRUCTION IS MANDATORY. ALL SLOPES SHALL BE LAID BACK OR SHORED AS NECESSARY.
- THE CONTRACTOR SHALL KEEP RECORDS OF WORK PERFORMED ON A DAILY BASIS. THE CONTRACTOR SHALL PROVIDE ADEQUATE OVERSIGHT AND MANAGEMENT FOR HIS CONSTRUCTION EFFORTS.
- COOPERATION AND COORDINATION BETWEEN ALL CONTRACTORS, UTILITY COMPANIES AND SUBCONTRACTORS ENGAGED IN THE WORK WITHIN AND ADJACENT TO THE CONSTRUCTION IS IMPORTANT FOR THE COMPLETION OF THIS PROJECT IN A TIMELY MANNER. IN THE CASE OF INTERFERENCE BETWEEN THE OPERATIONS OF THE DIFFERENT CONTRACTORS, UTILITY COMPANIES AND SUBCONTRACTORS, THE OWNER WILL BE THE SOLE JUDGE OF THE RIGHTS OF EACH AND THE SEQUENCE OF THE WORK NECESSARY TO EXPEDITE THE COMPLETION OF THIS PROJECT.
- THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE CODES, ORDINANCES, RULES, REGULATIONS, AND LAWS OF LOCAL, MUNICIPAL, STATE OR FEDERAL AUTHORITIES HAVING JURISDICTION OVER THIS PROJECT. ALL PERMITS REQUIRED FOR CONSTRUCTION OPERATIONS SHALL BE OBTAINED BY THE CONTRACTOR.
- THE CONTRACTOR SHALL SAW CUT EXISTING ASPHALT PAVEMENT AS REQUIRED TO PRODUCE A SMOOTH JOINT WITH NEW PAVEMENT.
- MAGNETIC DETECTION TAPE AND TRACER WIRE SHALL BE INSTALLED WITH THE PVC PIPE FOR EASE OF FUTURE LOCATION. ALL TRACER WIRE SHALL BE 1/4 GAUGE OR AS REQUIRED BY LOCAL CODE.
- THE CONTRACTOR SHALL ADJUST ALL SANITARY SEWER MANHOLE COVERS TO MATCH FINISHED GRADES.
- THE CONTRACTOR SHALL REMOVE ONLY THOSE TREES AND SHRUBS DEEMED NECESSARY FOR CONSTRUCTION. THE CONTRACTOR SHALL USE CARE TO MINIMIZE DAMAGE TO THE ROOT SYSTEM OF ANY TREES AND SHRUBS NEAR THE CONSTRUCTION AREA.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CONSTRUCTION STAKING.
- THE CONTRACTOR IS TO NOTIFY THE ENGINEER AT LEAST 24 HOURS PRIOR TO THE BEGINNING OF EACH PHASE OF CONSTRUCTION. THE CONTRACTOR SHALL ALSO NOTIFY APPLICABLE UTILITY PROVIDERS AT LEAST 24 HOURS PRIOR TO ANY CONSTRUCTION THAT MAY AFFECT THEM.
- THE CONTRACTOR SHALL MAINTAIN, AT ALL TIMES, ADEQUATE AND SAFE ACCESS FOR ALL RESIDENTS AND/OR ADJOINING PROPERTY OWNERS DURING CONSTRUCTION.
- ALL CONCRETE WASHOUT SHALL BE COLLECTED BY THE CONTRACTOR ON SITE AT AN AREA DESIGNATED BY THE OWNER FOR OFFSITE DISPOSAL BY THE CONTRACTOR. WASHOUT SHALL BE MAINTAINED EITHER BY BERM OR BY WASHOUT PIT.
- ALL HAZARDOUS MATERIALS / WASTE SHALL BE DISPOSED OF IN THE MANNER SPECIFIED BY LOCAL OR STATE REGULATIONS OR BY THE MANUFACTURER.
- SANITARY WASTE GENERATED FROM PORTABLE UNITS SHALL BE EMPTIED AS REQUIRED TO PROVIDE SANITARY CONDITIONS. ALL SANITARY WASTE DISPOSAL PRACTICES SHALL BE CONDUCTED IN ACCORDANCE WITH STATE AND LOCAL WASTE DISPOSAL REGULATIONS.
- CONTRACTOR SHALL REVIEW, PLAN AND SEQUENCE SITE GRADING AND THE INSTALLATION OF UNDERGROUND UTILITIES TO ENSURE PROPER INSTALLATION AND ELIMINATE POTENTIAL CONFLICTS.

NOTE: NO UNDERGROUND UTILITIES WERE VERIFIED OR FIELD LOCATED ON THE PROPERTY SHOWN HERON

INNOVATE ENGINEERING & SURVEYING, LLC. DOES NOT GUARANTEE THAT ALL EASEMENTS WHICH MAY AFFECT THE PROPERTY ARE SHOWN HERON AND ASSUMES NO LIABILITY FOR FAILURE TO CONFIRM UTILITY LOCATIONS PRIOR TO ANY DIGGING OR CONSTRUCTION.

CONTRACTOR SHALL VERIFY ELEVATIONS PRIOR TO CONSTRUCTION AND NOTIFY ENGINEER IF ACTUAL CONDITIONS DIFFER THAT MAY AFFECT SUCCESSFUL COMPLETION OF IMPROVEMENTS

UTILITY DEPARTMENT NOTES:

485.2.5.2 ALL WATER AND SANITARY SEWER CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE VOLUME I, CITY OF VALDOSTA STANDARD SPECIFICATIONS FOR WATER AND SANITARY SEWER CONSTRUCTION.

486.1.4 "AS-BUILT DRAWING" OR "RECORD DRAWING", THE NAME OF THE PROJECT AND THE DATE SHALL BE CLEARLY LABELED ON EACH SHEET.

486.1.3 CONTRACTORS' STATEMENT (WITH AN ORIGINAL SIGNATURE ON EACH SHEET) SHALL VERIFY THAT ALL CONSTRUCTION SPECIFICATIONS AND PRODUCT QUALITIES HAVE BEEN MET OR EXCEEDED.

CONTRACTOR TO CONTACT UTILITIES INSPECTOR 48 HR PRIOR TO ANY TAPPING OF EXISTING UTILITY MAINS.

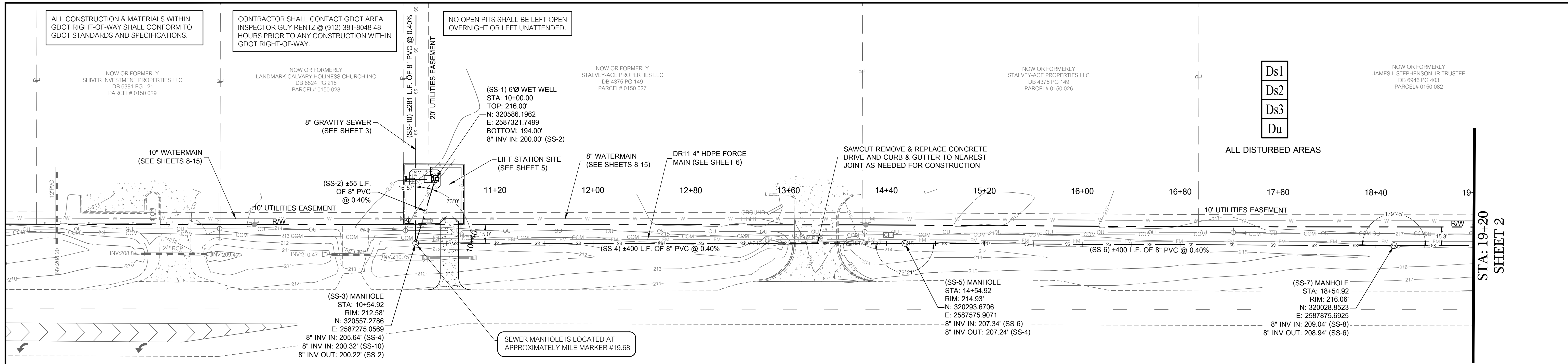


PROJECT NUMBER
1876

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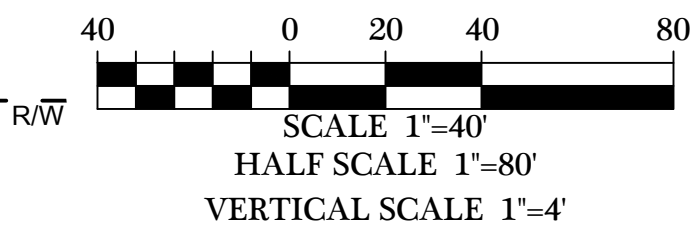
- Ds1
- Ds2
- Ds3
- Du

NOW OR FORMERLY
JAMES L. STEPHENSON JR TRUSTEE
DB 6946 PG 403
PARCEL# 0150 082

EROSION SYMBOL LEGEND

Ds1	DISTURBED AREA STABILIZATION (WITH MULCHING ONLY)
Ds2	DISTURBED AREA STABILIZATION (WITH TEMPORARY SEEDING)
Ds3	DISTURBED AREA STABILIZATION (WITH PERMANENT SEEDING)
Du	DUST CONTROL

US HWY 41 / SR 7 / INNER PERIMETER ROAD / R/W: 200' / PSL: 55MPH



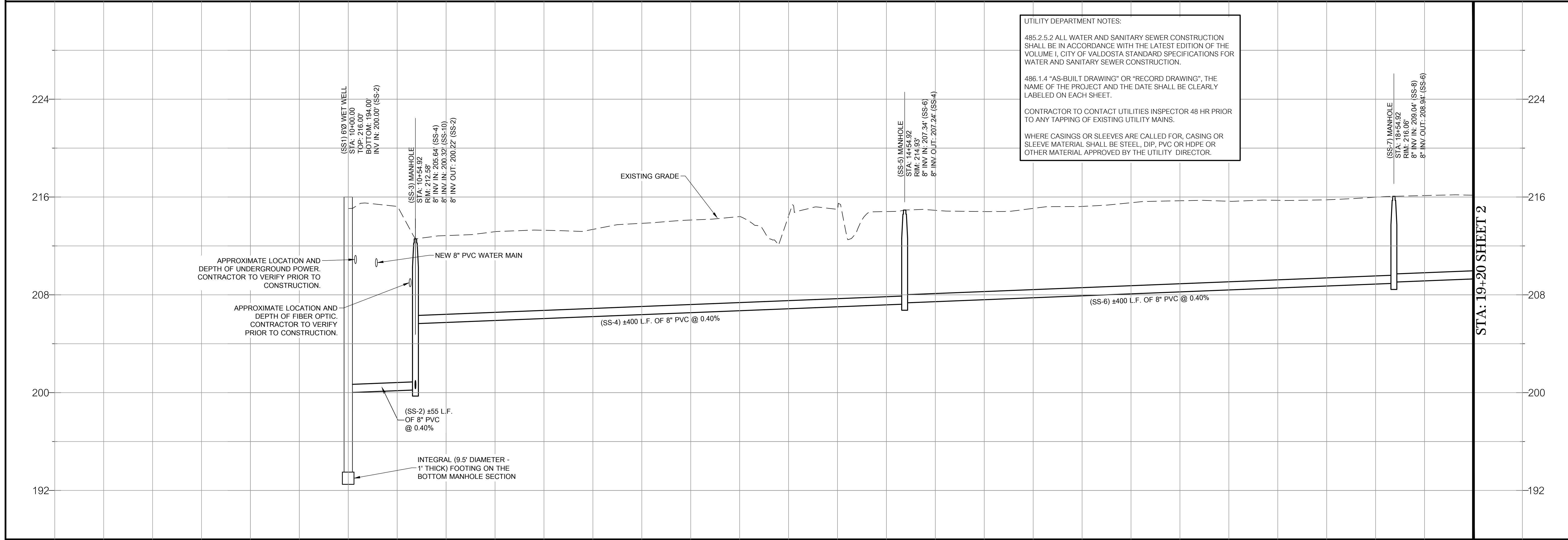
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REVISIONS

NO.	DATE	REVISIONS/REVISION COMMENTS

DATE: 03/31/2025

PROJECT: 1876-Valdosta Inner Perimeter Utilities Extension (Civil)1876-C02.dwg - 1 SANITARY SEWER - P&P 1

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INNER PERIMETER UTILITIES EXTENSIONS
CITY OF VALDOSTA, LOWNDIS COUNTY, GA
LAND LOT 127 OF THE 11TH LAND DISTRICT

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REGISTERED PROFESSIONAL ENGINEER
No. 22564
WILSON
WILLIAM D. KENT

LEVEL II CERT. 8141

DATE: 03/31/2025
DRAWN BY: M. WILSON
CHECKED BY: B. KENT

9+60	10+40	11+20	12+00	12+80	13+60	14+40	15+20	16+00	16+80	17+60	18+40	19+00
215.23	215.23	213.16	213.35	214.12	214.44	214.81	214.81	215.23	215.69	215.73	215.99	216.15

SANITARY SEWER - P&P 1

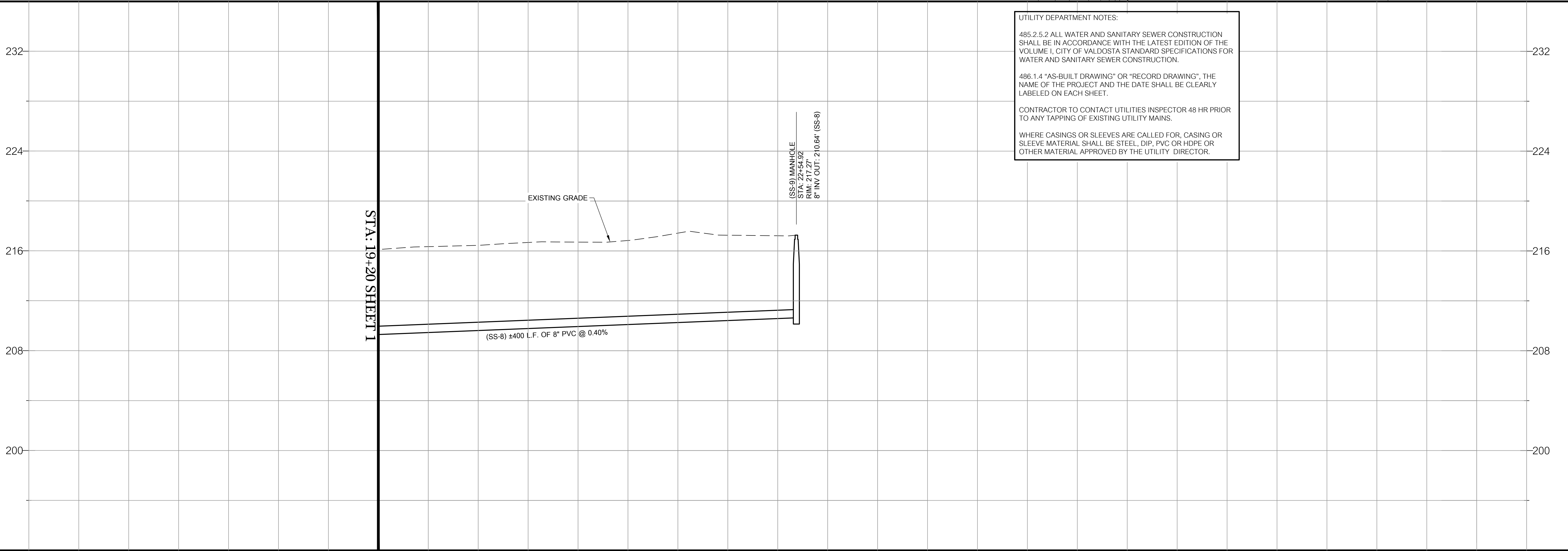
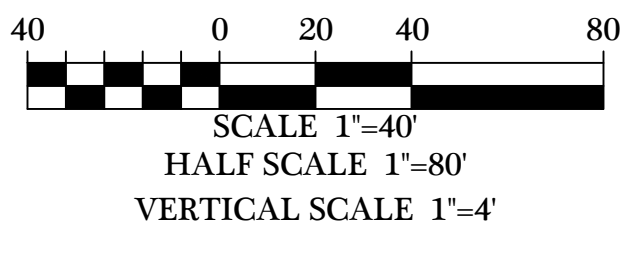
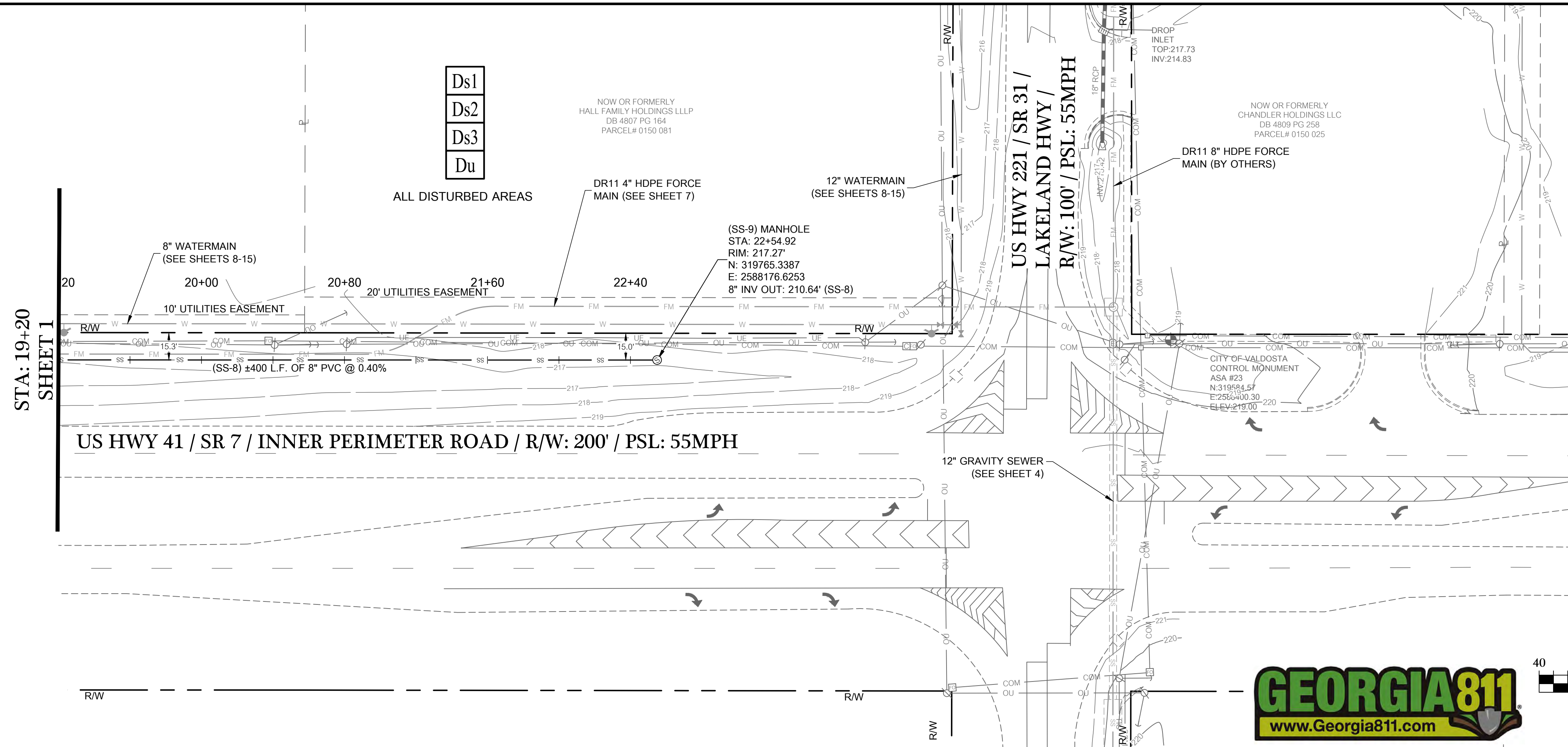
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Du	DUST CONTROL



- Ds1
- Ds2
- Ds3
- Du

DATE	REVISIONS
04/22/2025	REVISIONS PER GDOT COMMENTS

INNER PERIMETER UTILITIES EXTENSIONS
 CITY OF VALDOSTA, LOWNDEN COUNTY, GA
 LAND LOT 127 OF THE 11TH LAND DISTRICT

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 DATE: 03/31/2025
 DRAWN BY: M. WILSON
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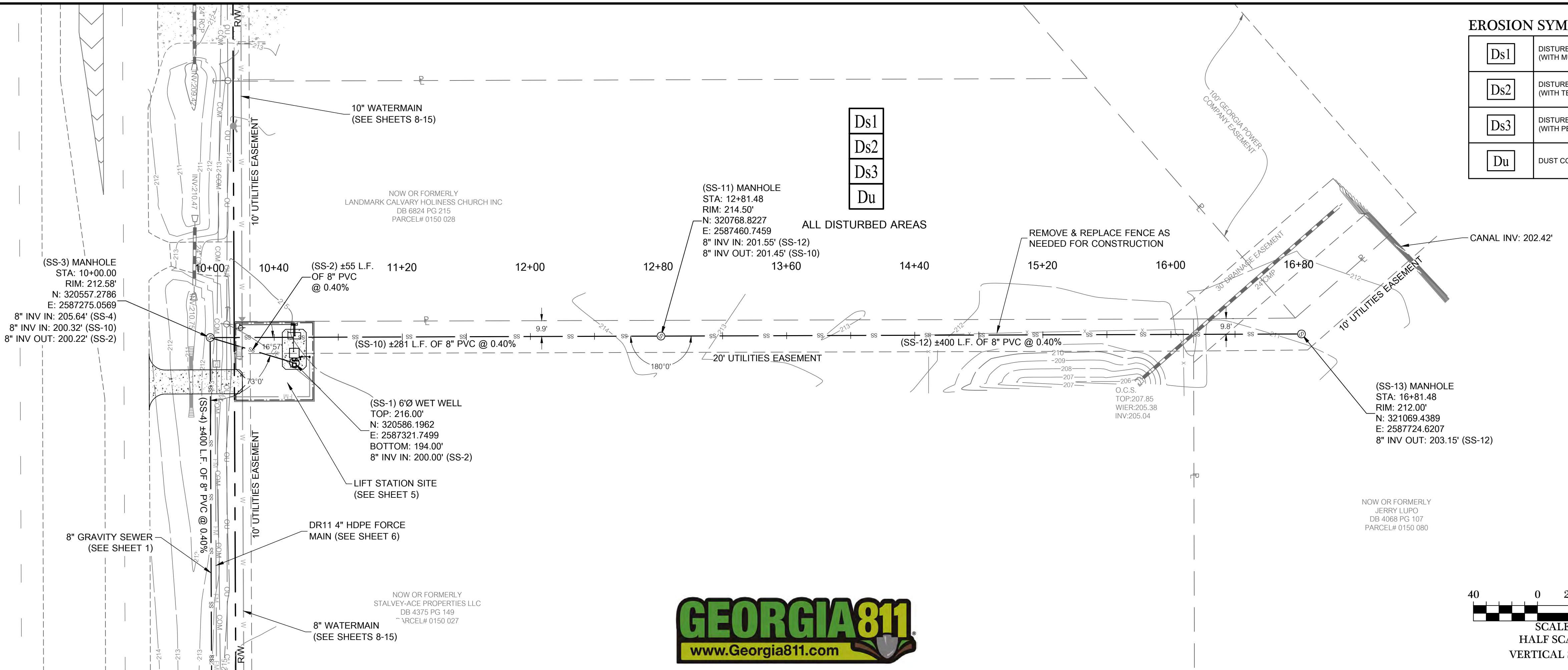
SHEET
2 OF 18
 PROJECT NUMBER
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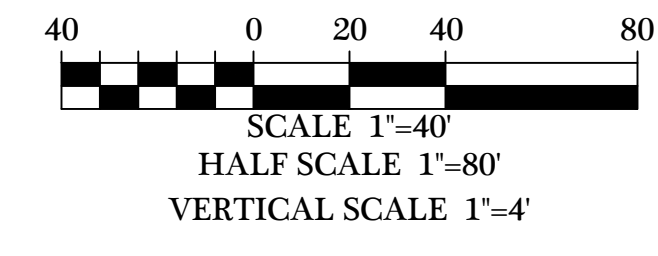
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US HWY 41 / SR 7 / INNER PERIMETER ROAD / R/W: 200' / PSL: 55MPH



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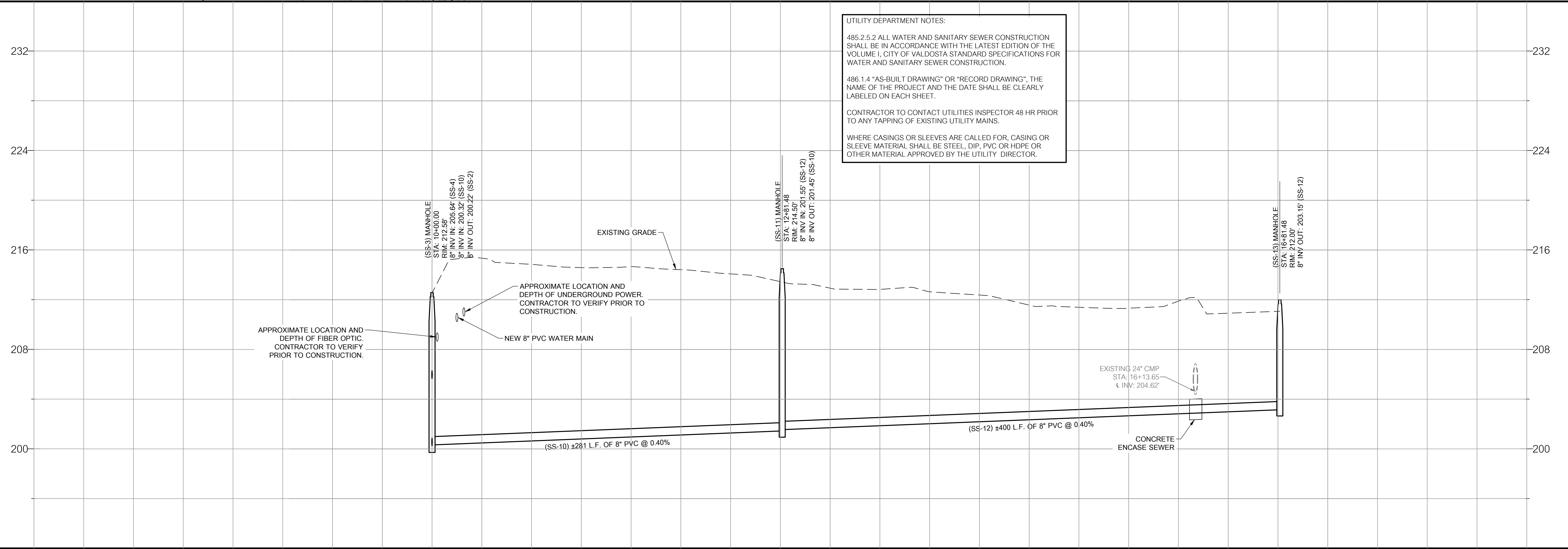
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REVISIONS

NO.	DATE	REVISIONS/PER-COMMENTS
1	04/23/2025	

DATE: 04/23/2025

PROJECT: 1876-Valdosta Inner Perimeter Utilities Extension (Civil)1876C02.dwg - 3 SANITARY SEWER - P&P 3 - 4/23/2025 9:04 AM

INNER PERIMETER UTILITIES EXTENSIONS
 CITY OF VALDOSTA, LOWNDEN COUNTY, GA
 LAND LOT 127 OF THE 11TH LAND DISTRICT

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LEVEL II CERT. 8141
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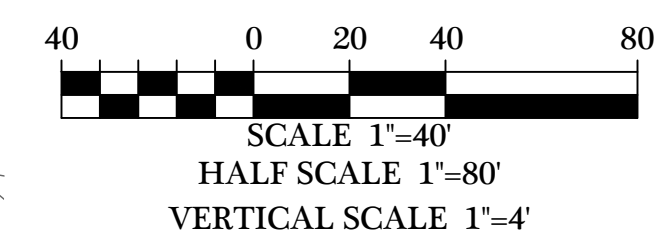
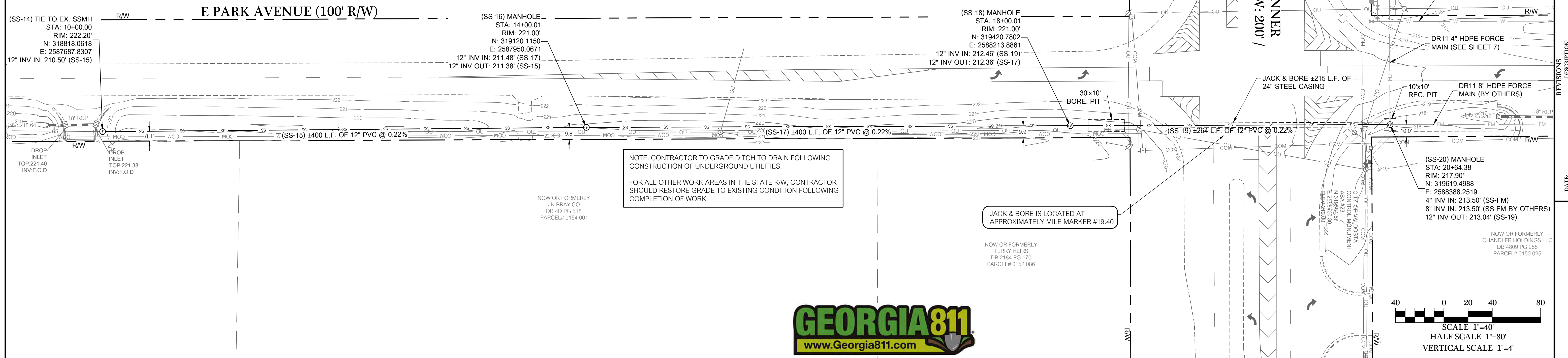
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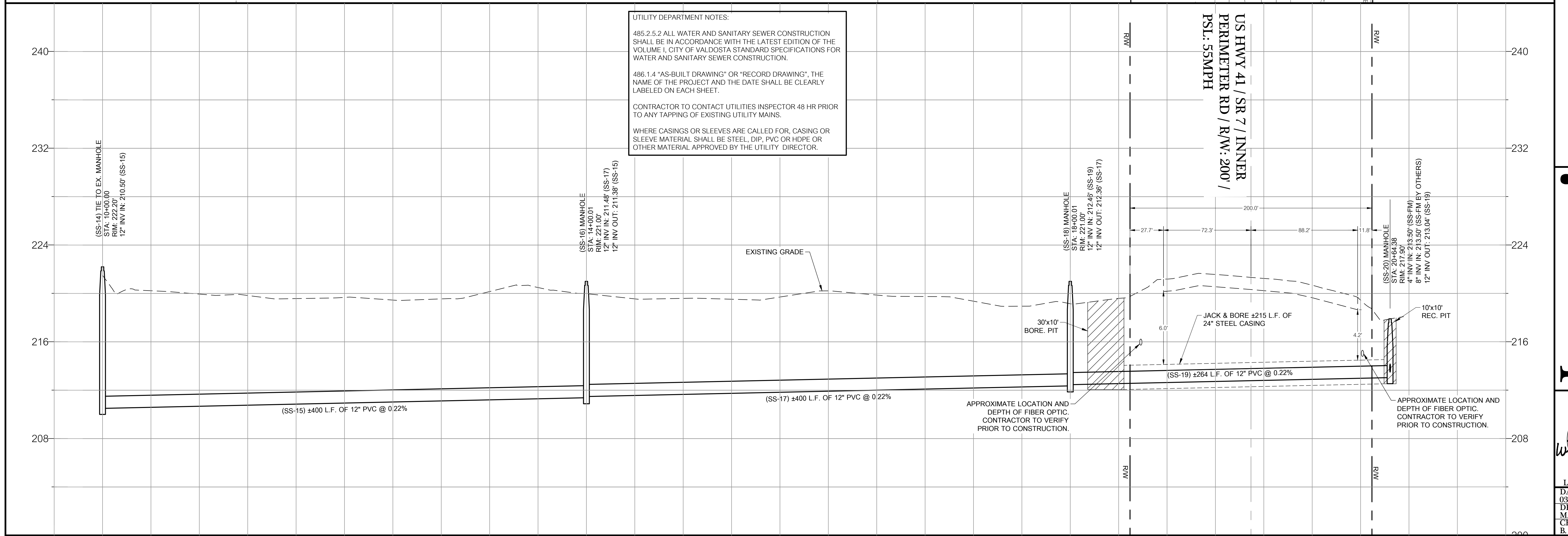
ALL DISTURBED AREAS



NOTE: CONTRACTOR TO GRADE DITCH TO DRAIN FOLLOWING CONSTRUCTION OF UNDERGROUND UTILITIES.
FOR ALL OTHER WORK AREAS IN THE STATE R/W, CONTRACTOR SHOULD RESTORE GRADE TO EXISTING CONDITION FOLLOWING COMPLETION OF WORK.

JACK & BORE IS LOCATED AT APPROXIMATELY MILE MARKER #19.40

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NO.	DATE	REVISIONS/REVISION COMMENTS

INNER PERIMETER UTILITIES EXTENSIONS
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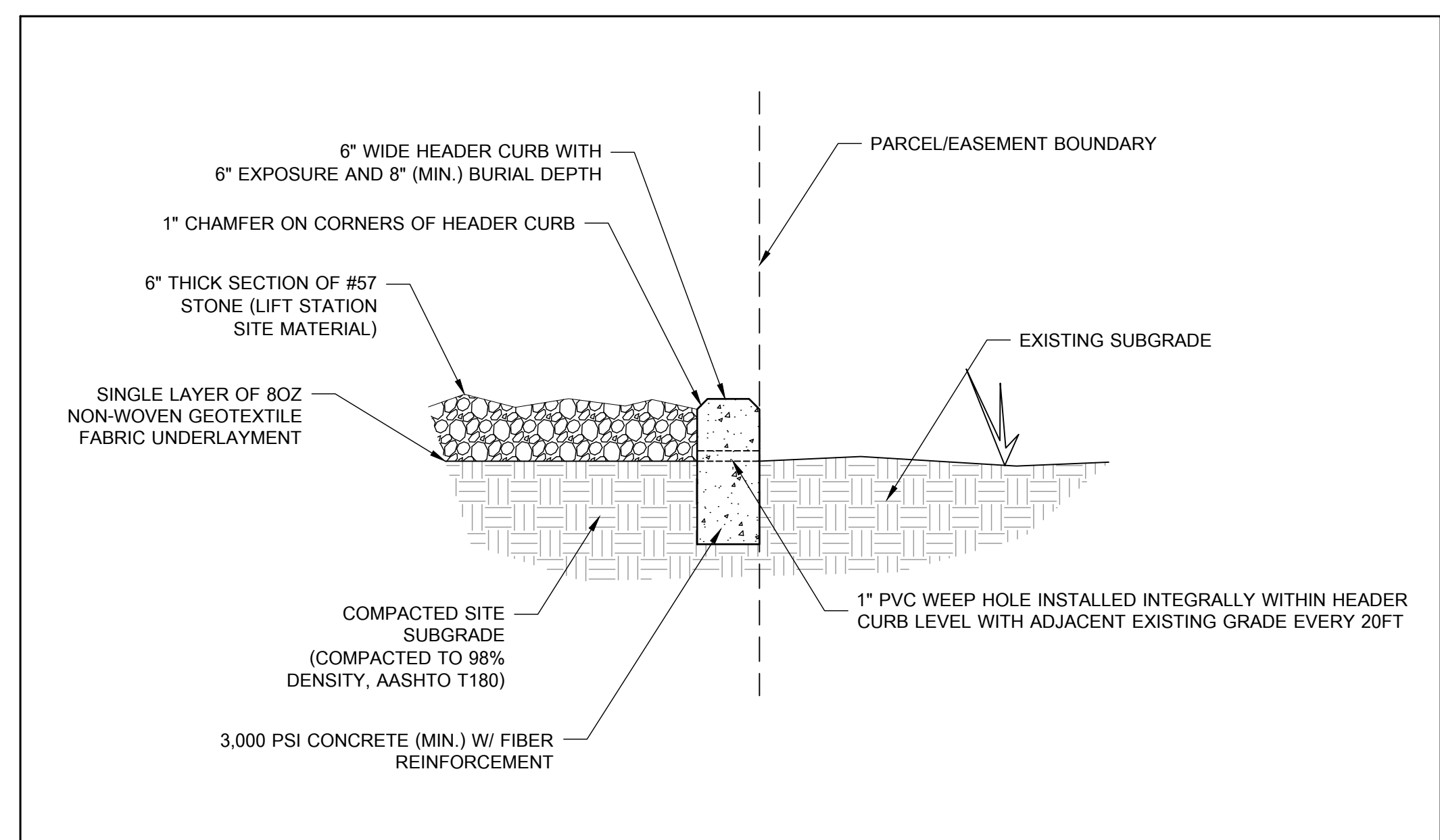
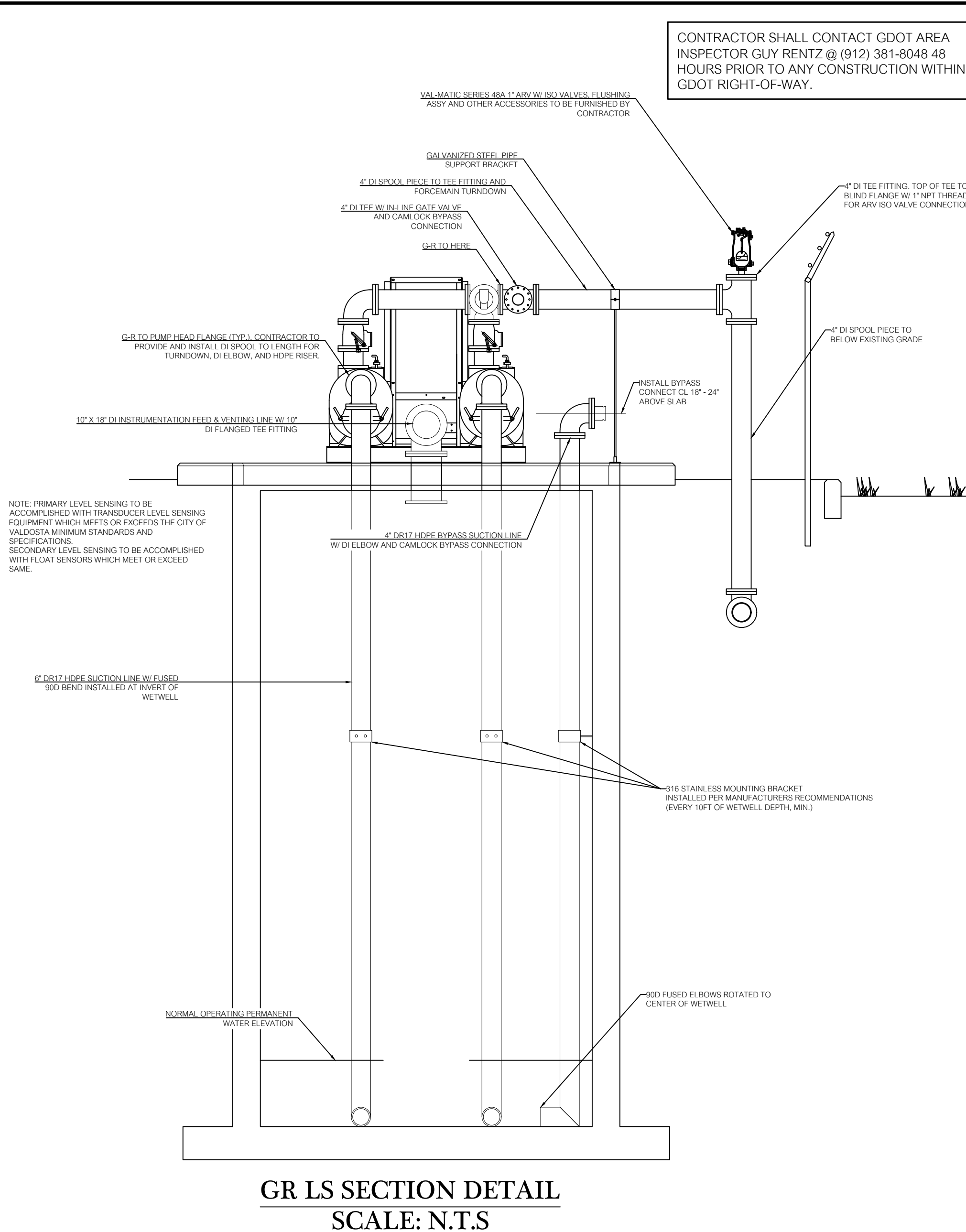
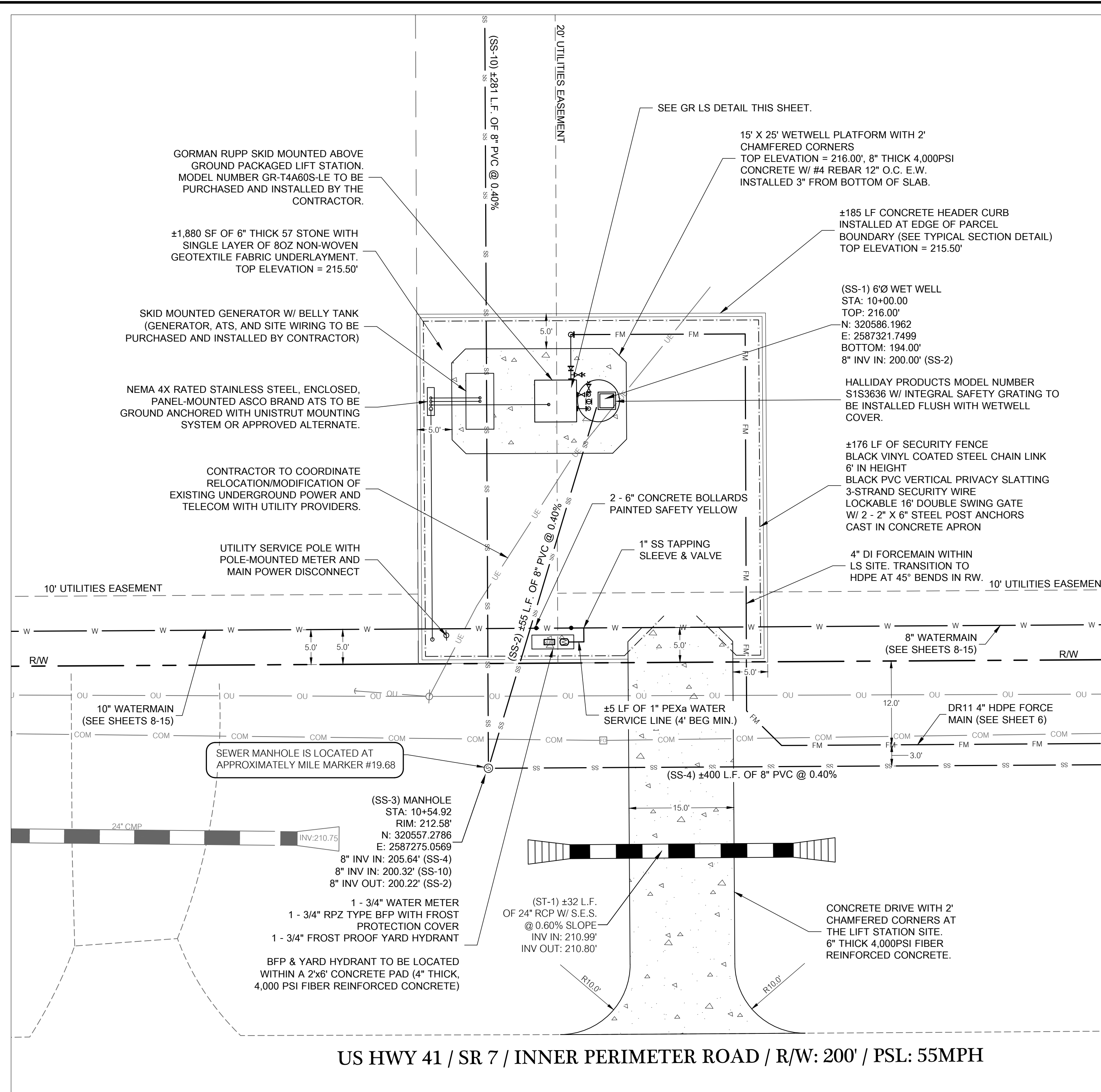


LEVEL II CERT. 8141
DATE: 03/31/2025
DRAWN BY: M. WILSON
CHECKED BY: B. KENT

220.22	219.83	219.67	219.55	220.49	219.55	219.52	220.21	219.74	218.95	219.59	221.57	220.66	
10+40	11+20	12+00	12+80	13+60	14+40	15+20	16+00	16+80	17+60	18+40	19+20	20+00	

SHEET
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PROJECT NUMBER
1876

SANITARY SEWER - P&P 4



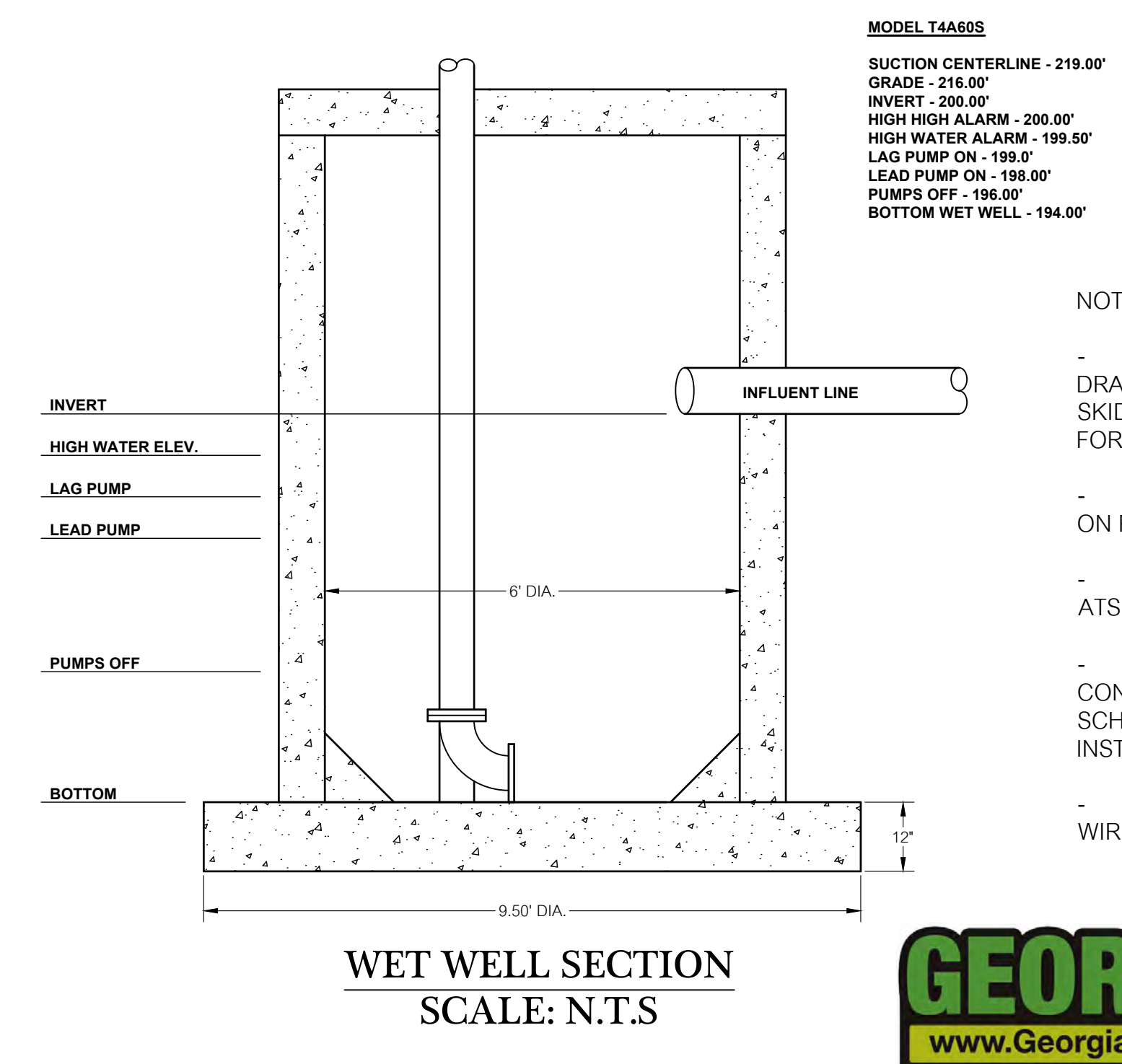
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REVISIONS

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DATE: 04/20/2025

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LEVEL II CERT. 8141

DATE: 03/31/2025
DRAWN BY: M. WILSON
CHECKED BY: B. KENT

SHEET 5 OF 18

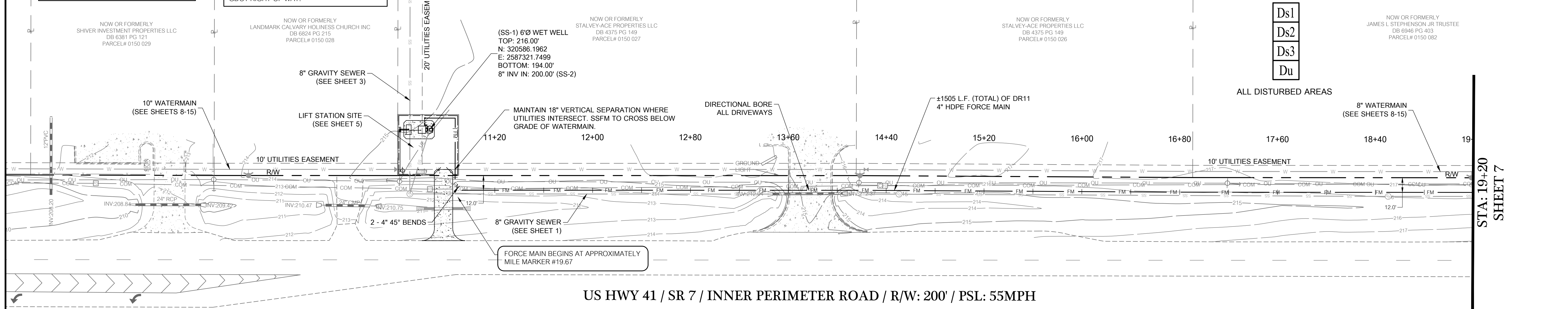
PROJECT NUMBER 1876

LIFT STATION PLAN

ALL CONSTRUCTION & MATERIALS WITHIN GDOT RIGHT-OF-WAY SHALL CONFORM TO GDOT STANDARDS AND SPECIFICATIONS.

CONTRACTOR SHALL CONTACT GDOT AREA INSPECTOR GUY RENTZ @ (912) 381-8048 48 HOURS PRIOR TO ANY CONSTRUCTION WITHIN GDOT RIGHT-OF-WAY.

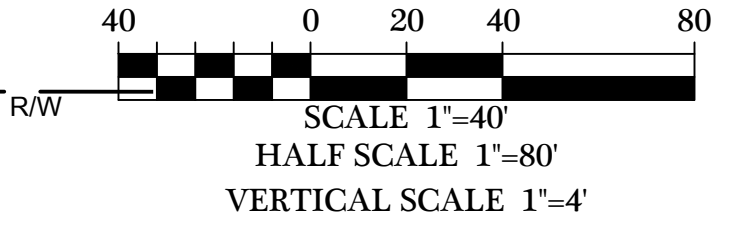
NO OPEN PITS SHALL BE LEFT OPEN OVERNIGHT OR LEFT UNATTENDED.



US HWY 41 / SR 7 / INNER PERIMETER ROAD / R/W: 200' / PSL: 55MPH

EROSION SYMBOL LEGEND

Ds1	DISTURBED AREA STABILIZATION (WITH MULCHING ONLY)
Ds2	DISTURBED AREA STABILIZATION (WITH TEMPORARY SEEDING)
Ds3	DISTURBED AREA STABILIZATION (WITH PERMANENT SEEDING)
Du	DUST CONTROL



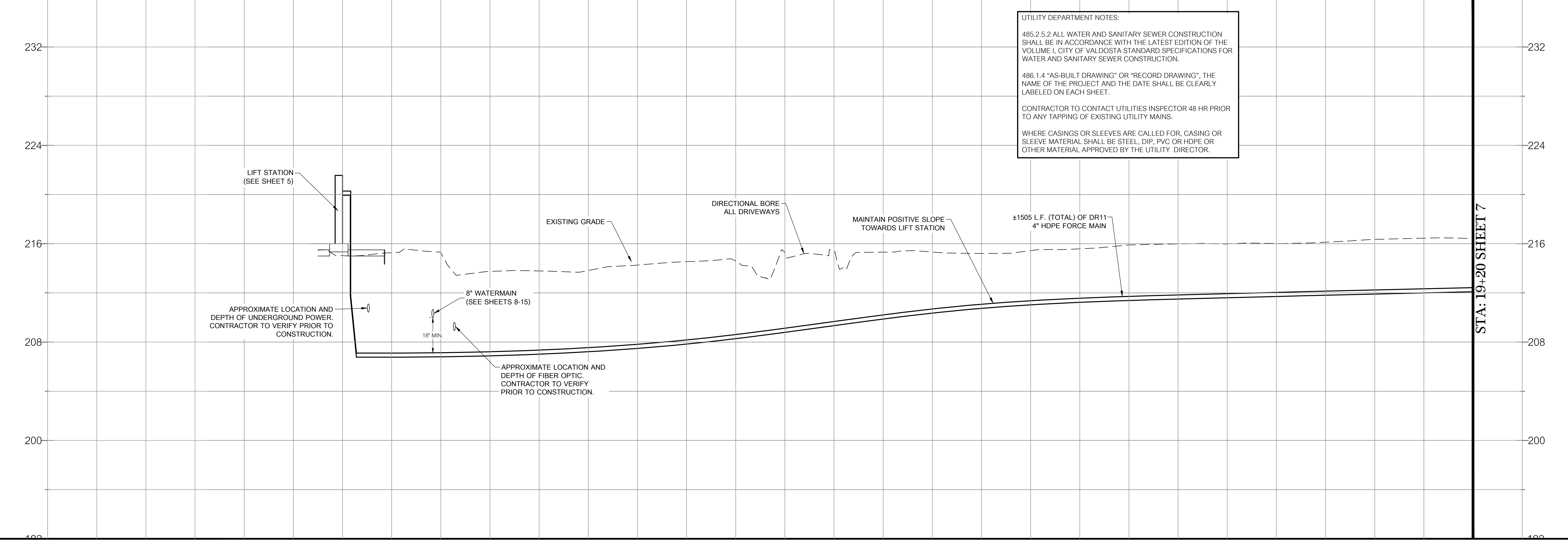
UTILITY DEPARTMENT NOTES:

485.2.5.2 ALL WATER AND SANITARY SEWER CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE VOLUME I, CITY OF VALDOSTA STANDARD SPECIFICATIONS FOR WATER AND SANITARY SEWER CONSTRUCTION.

486.1.4 "AS-BUILT DRAWING" OR "RECORD DRAWING", THE NAME OF THE PROJECT AND THE DATE SHALL BE CLEARLY LABELED ON EACH SHEET.

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9+60	10+40	11+20	12+00	12+80	13+60	14+40	15+20	16+00	16+80	17+60	18+40	19+20
FORCE MAIN - P&P 1												

REVISIONS	DATE	BY	DESCRIPTION

INNER PERIMETER UTILITIES EXTENSIONS
 CITY OF VALDOSTA, LOWNDEN COUNTY, GA
 LAND LOT 127 OF THE 11TH LAND DISTRICT

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WILSON & KENT
 REGISTERED PROFESSIONAL ENGINEERS
 No. 22564
 LEVEL II CERT. 8141

SHEET
6 OF 18
 PROJECT NUMBER
1876

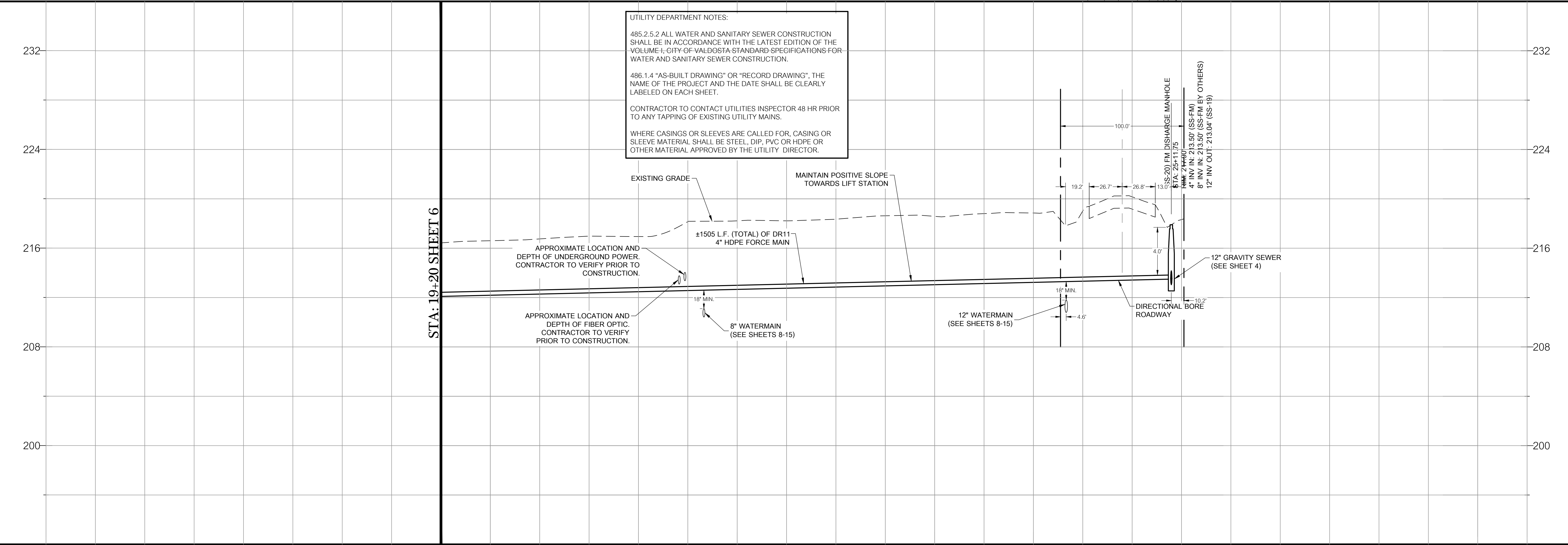
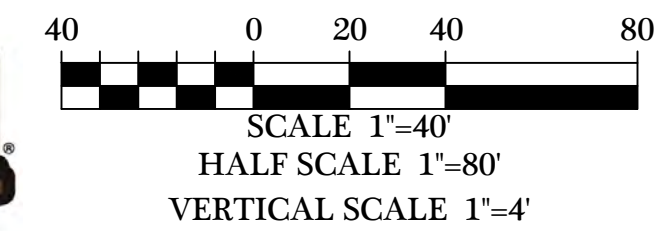
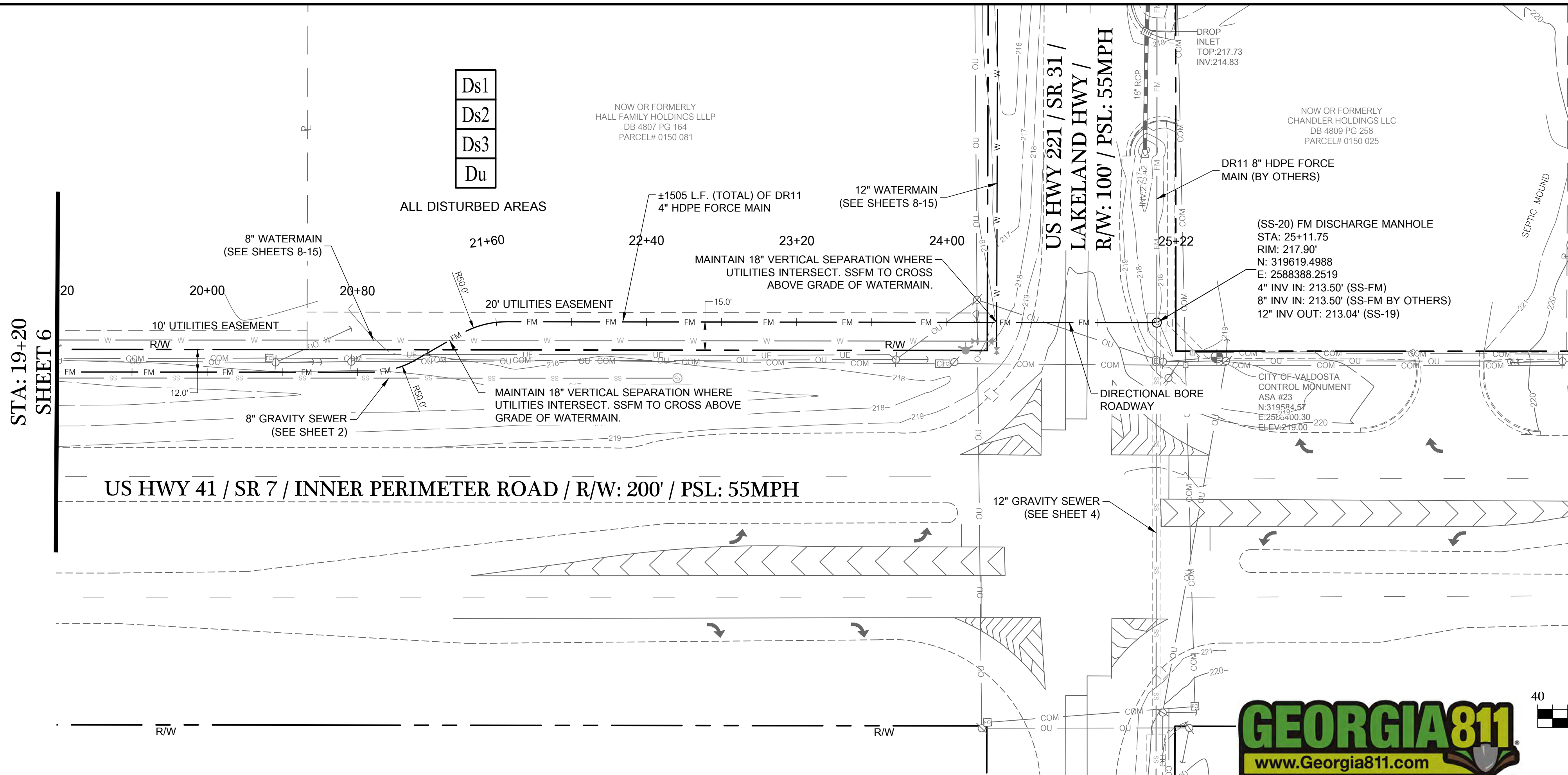
ALL CONSTRUCTION & MATERIALS WITHIN GDOT RIGHT-OF-WAY SHALL CONFORM TO GDOT STANDARDS AND SPECIFICATIONS.

CONTRACTOR SHALL CONTACT GDOT AREA INSPECTOR GUY RENTZ @ (912) 381-8048 48 HOURS PRIOR TO ANY CONSTRUCTION WITHIN GDOT RIGHT-OF-WAY.

NO OPEN PITS SHALL BE LEFT OPEN OVERNIGHT OR LEFT UNATTENDED.

EROSION SYMBOL LEGEND

Ds1	DISTURBED AREA STABILIZATION (WITH MULCHING ONLY)
Ds2	DISTURBED AREA STABILIZATION (WITH TEMPORARY SEEDING)
Ds3	DISTURBED AREA STABILIZATION (WITH PERMANENT SEEDING)
Du	DUST CONTROL



UTILITY DEPARTMENT NOTES:

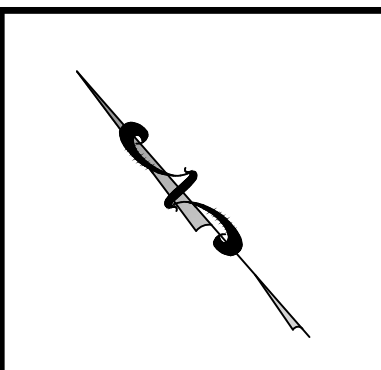
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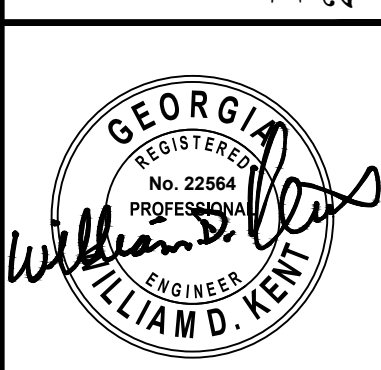
19+20	20+00	20+80	21+60	22+40	23+20	24+00	24+80	25+22
216.43	216.75	216.95	218.22	218.35	218.58	218.85	220.17	



DATE	REVISIONS
04/23/2025	REVISIONS PER GDOT COMMENTS

INNER PERIMETER UTILITIES EXTENSIONS
 CITY OF VALDOSTA, LOWNDEN COUNTY, GA
 LAND LOT 127 OF THE 11TH LAND DISTRICT

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LEVEL II CERT. 8141
 DATE: 03/31/2025
 DRAWN BY: M. WILSON
 CHECKED BY: B. KENT

SHEET 7 OF 18
 PROJECT NUMBER 1876

EROSION SYMBOL LEGEND

Ds1	DISTURBED AREA STABILIZATION (WITH MULCHING ONLY)
Ds2	DISTURBED AREA STABILIZATION (WITH TEMPORARY SEEDING)
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Du	DUST CONTROL

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NOW OR FORMERLY FORREST PARK CHURCH OF CHRIST DB 2113 PG 80 PARCEL# 0150 033

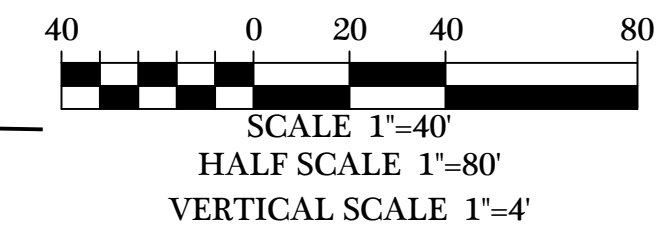
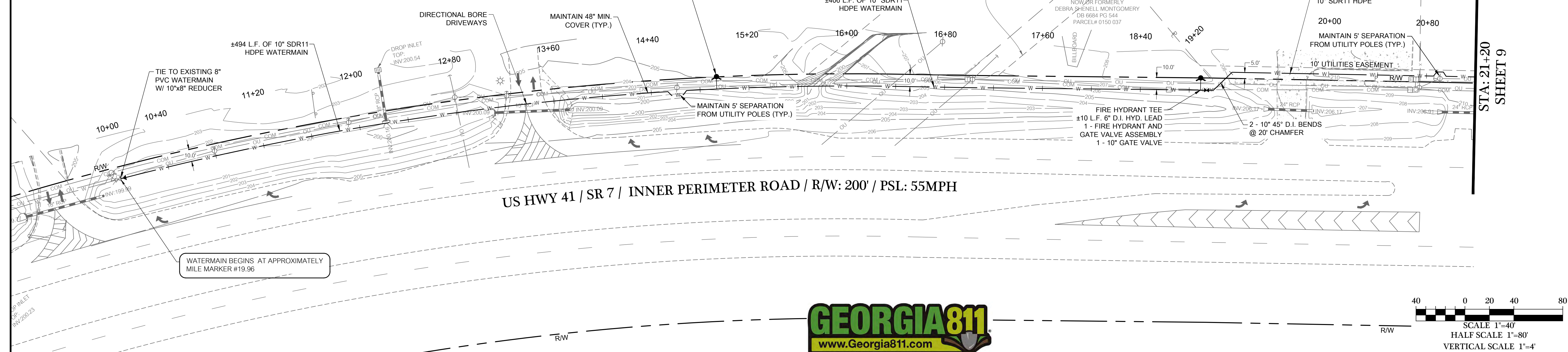
FIRE HYDRANT TEE ±10 L.F. 6" D.I. HYD. LEAD 1 - FIRE HYDRANT AND GATE VALVE ASSEMBLY

ALL DISTURBED AREAS

- Ds1
- Ds2
- Ds3
- Du

NOW OR FORMERLY LEPAUL WATSON PROPERTIES LLLP DB 6209 PG 188 PARCEL# 0150 031

NOW OR FORMERLY SHIVER INVESTMENT PROPERTIES LLC DB 6381 PG 121 PARCEL# 0150 030



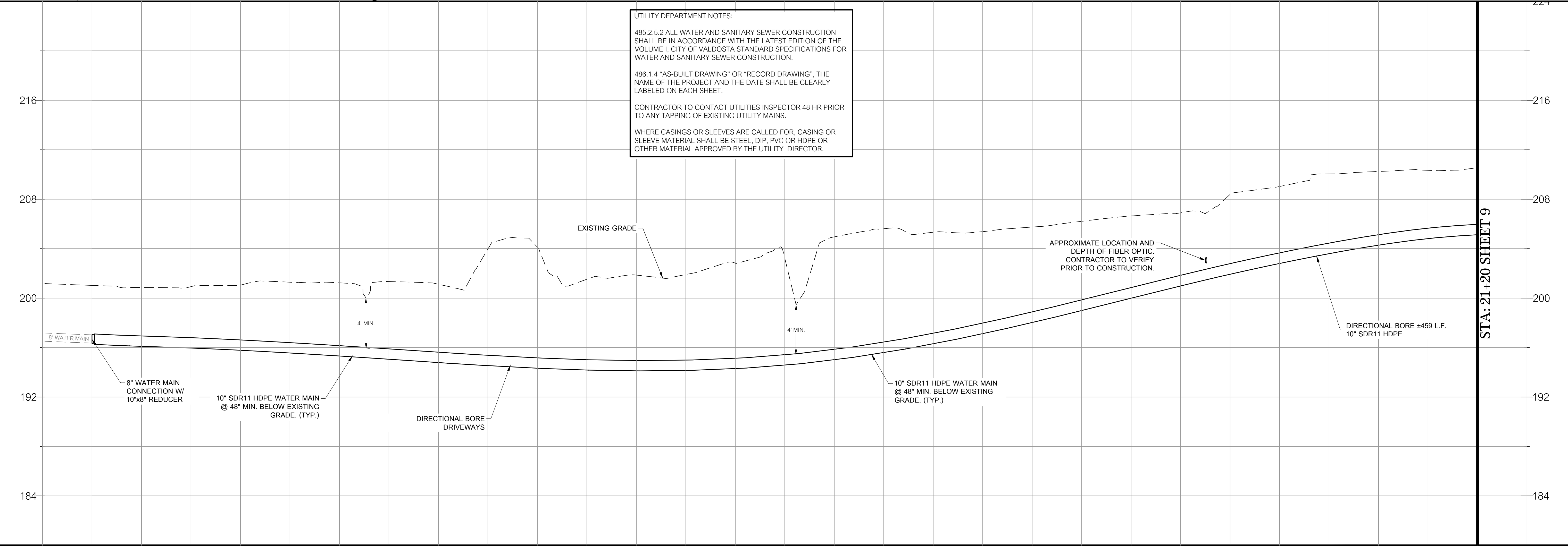
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	200.86 200.86	201.04 201.04	201.24 201.24	201.12 201.12	204.13 204.13	201.86 201.86	202.82 202.82	204.85 204.85	205.33 205.33	205.75 205.75	206.64 206.64	208.39 208.39	210.04 210.04	210.34 210.34

WATER MAIN - P&P 1

DATE	REVISIONS
04/23/2025	REVISED PER GDOT COMMENTS

INNER PERIMETER UTILITIES EXTENSIONS
 CITY OF VALDOSTA, LOWNDEN COUNTY, GA
 LAND LOT 127 OF THE 11TH LAND DISTRICT

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LEVEL II CERT. 8141
 DATE: 03/31/2025
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 CHECKED BY: B. KENT

SHEET 8 OF 18
 PROJECT NUMBER 1876

ALL CONSTRUCTION & MATERIALS WITHIN GDOT RIGHT-OF-WAY SHALL CONFORM TO GDOT STANDARDS AND SPECIFICATIONS.

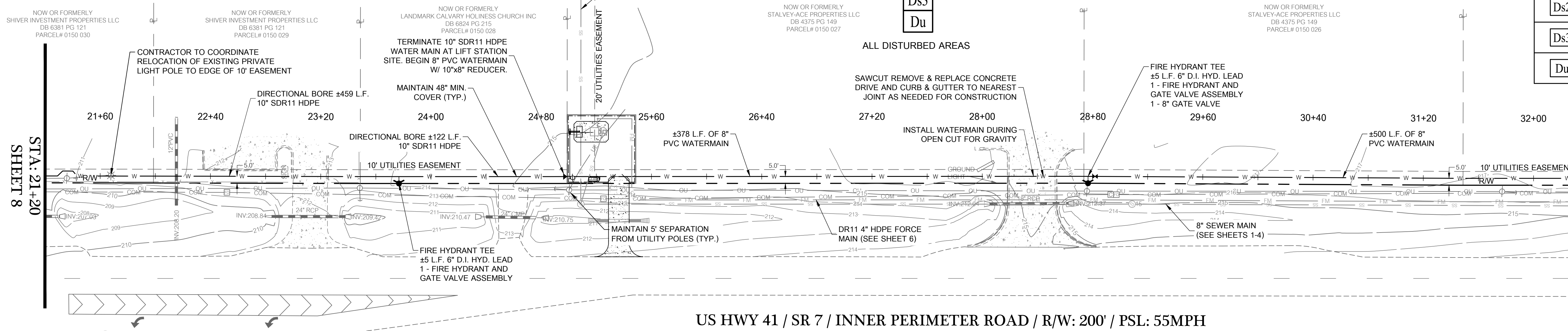
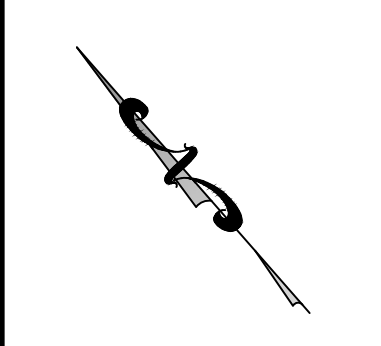
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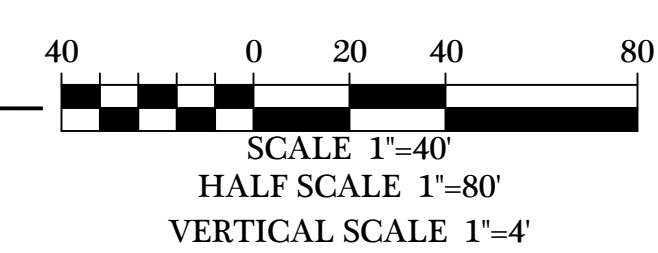
Ds1
Ds2
Ds3
Du

EROSION SYMBOL LEGEND

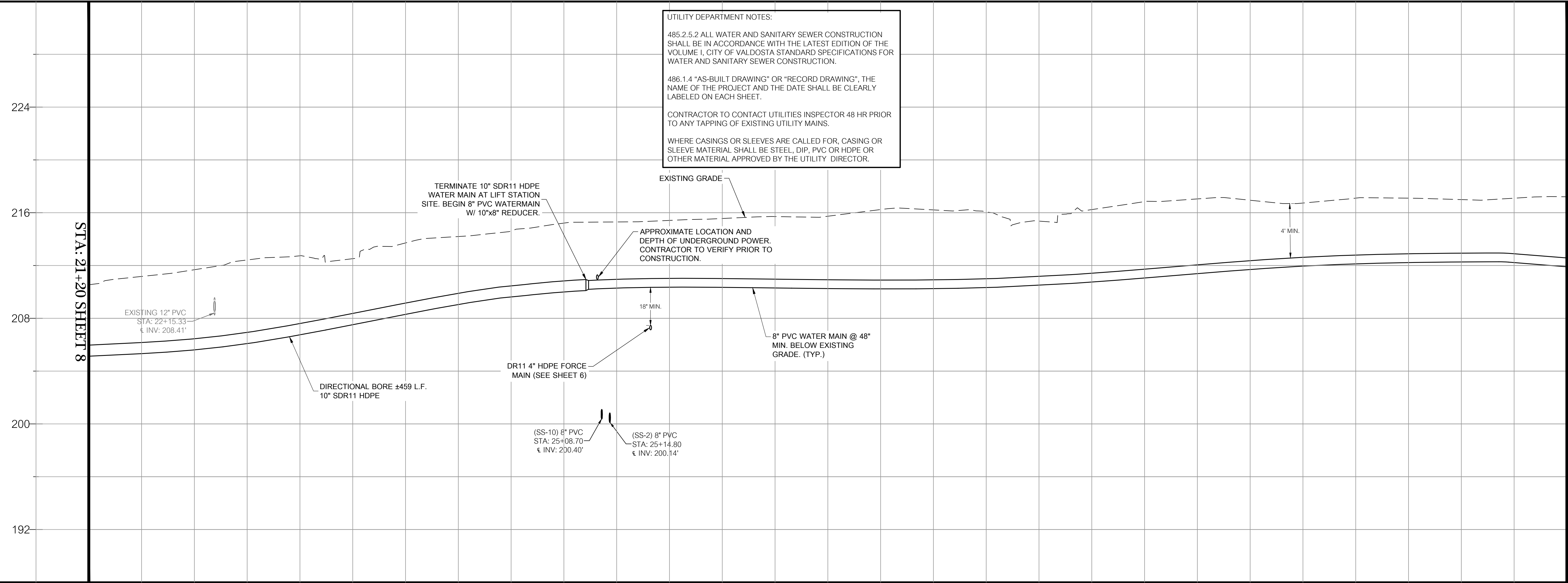
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Ds3	DISTURBED AREA STABILIZATION (WITH PERMANENT SEEDING)
Du	DUST CONTROL



US HWY 41 / SR 7 / INNER PERIMETER ROAD / R/W: 200' / PSL: 55MPH



UTILITY DEPARTMENT NOTES:
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INNER PERIMETER UTILITIES EXTENSIONS
 CITY OF VALDOSTA, LOWNDEN COUNTY, GA
 LAND LOT 127 OF THE 11TH LAND DISTRICT

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LEVEL II CERT. 8141
 DATE: 03/31/2025
 DRAWN BY: M. WILSON
 CHECKED BY: B. KENT

211.17 211.17	212.42 212.42	212.52 212.52	214.20 214.20	215.21 215.21	215.42 215.42	215.71 215.71	216.24 216.24	216.06 216.06	216.24 216.24	217.04 217.04	216.73 216.73	217.10 217.10	217.10 217.10
21+60	22+40	23+20	24+00	24+80	25+60	26+40	27+20	28+00	28+80	29+60	30+40	31+20	32+00

WATER MAIN - P&P 2

SHEET
9 of 18
 PROJECT NUMBER
1876

I:\Projects\1876-Valdosta- Inner Perimeter Utilities Extension\Civil\1876-C02.dwg - 9 WATER MAIN - P&P 2 - 4/3/2025 9:05 AM

ALL CONSTRUCTION & MATERIALS WITHIN GDOT RIGHT-OF-WAY SHALL CONFORM TO GDOT STANDARDS AND SPECIFICATIONS.

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- Ds1
- Ds2
- Ds3
- Du

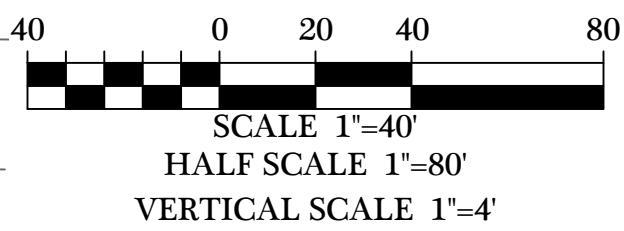
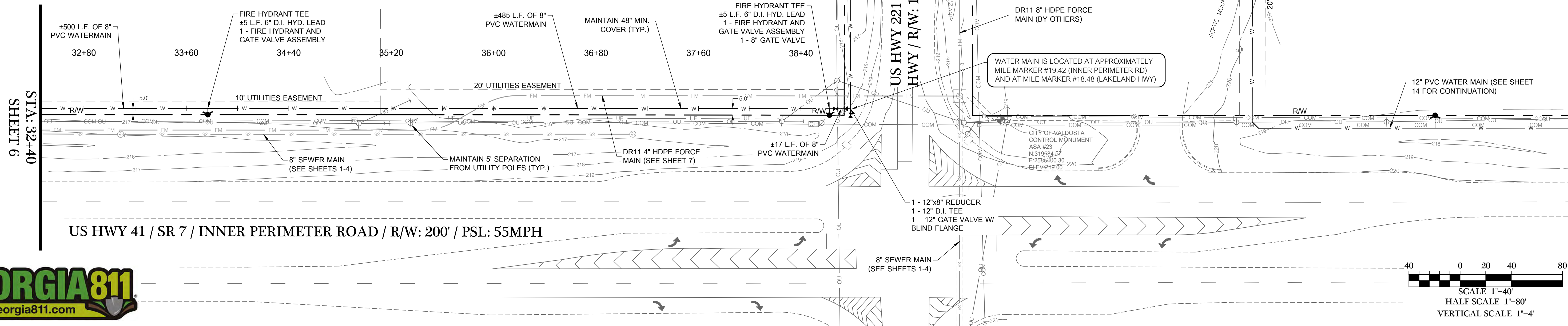
NOW OR FORMERLY JAMES L. STEPHENSON JR TRUSTEE DB 6946 PG 403 PARCEL# 0150 082

ALL DISTURBED AREAS

NOW OR FORMERLY HALL FAMILY HOLDINGS LLLP DB 4807 PG 164 PARCEL# 0150 081

NOW OR FORMERLY CHANDLER HOLDINGS LLC DB 4809 PG 258 PARCEL# 0150 025

NOW OR FORMERLY THOMAS W ROWELL DB 4094 PG 215 PARCEL# 0150 085



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Ds3	DISTURBED AREA STABILIZATION (WITH PERMANENT SEEDING)
Du	DUST CONTROL

DATE	REVISIONS
04/20/2025	REVISIONS PER GDOT COMMENTS

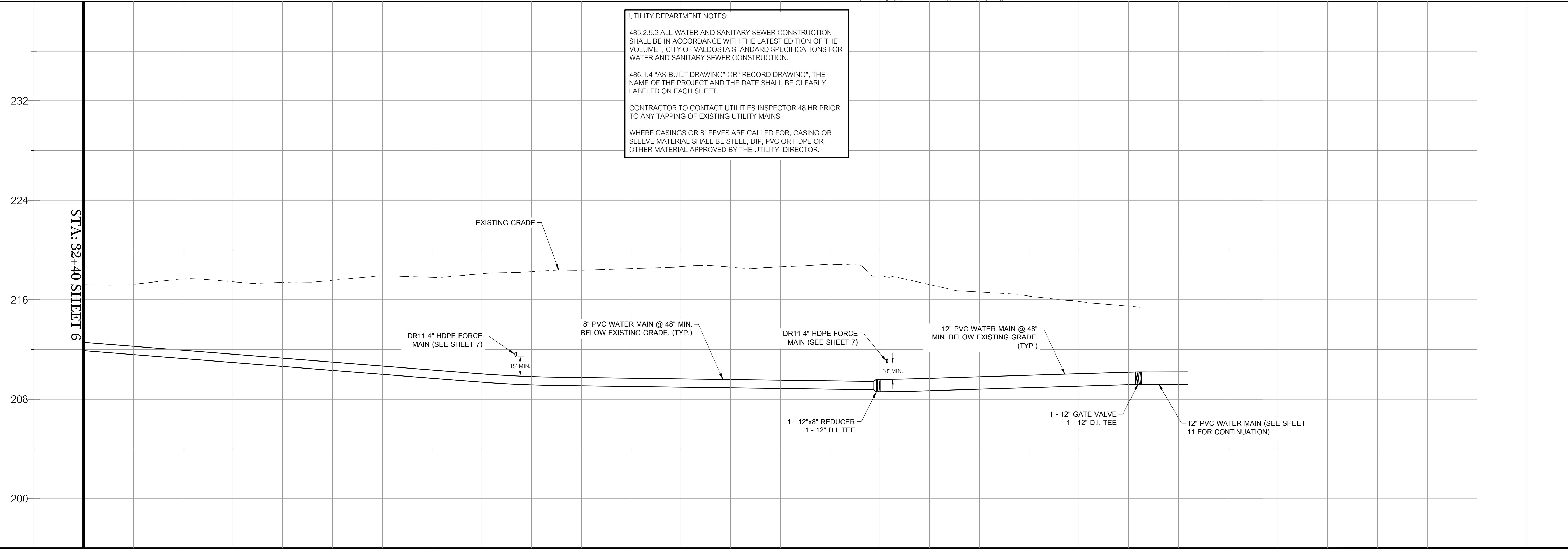
INNER PERIMETER UTILITIES EXTENSIONS
CITY OF VALDOSTA, LOWNDEN COUNTY, GA
LAND LOT 127 OF THE 11TH LAND DISTRICT

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LEVEL II CERT. 8141
DATE: 03/31/2025
DRAWN BY: M. WILSON
CHECKED BY: B. KENT

UTILITY DEPARTMENT NOTES:
485.2.5.2 ALL WATER AND SANITARY SEWER CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE VOLUME I, CITY OF VALDOSTA STANDARD SPECIFICATIONS FOR WATER AND SANITARY SEWER CONSTRUCTION.
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217.24	217.45	217.56	217.81	218.26	218.51	218.62	218.85	217.22	216.29	215.48
32+80	33+60	34+40	35+20	36+00	36+80	37+60	38+40	39+20	40+00	40+80

I:\Projects\1876-Valdosta Inner Perimeter Utilities Extension\Civil\1876\02.dwg - 10 WATER MAIN - P&P 3 - 4/3/2025 9:05 AM

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NOW OR FORMERLY
HALL FAMILY HOLDINGS LLLP
DB 4807 PG 164
PARCEL# 0150 081

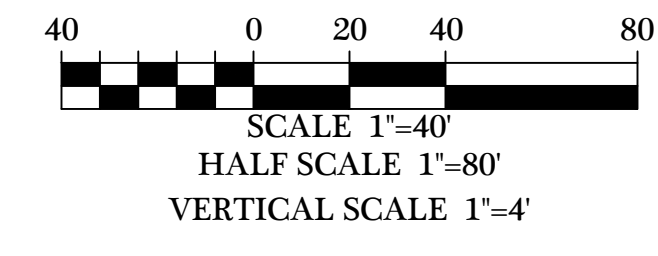
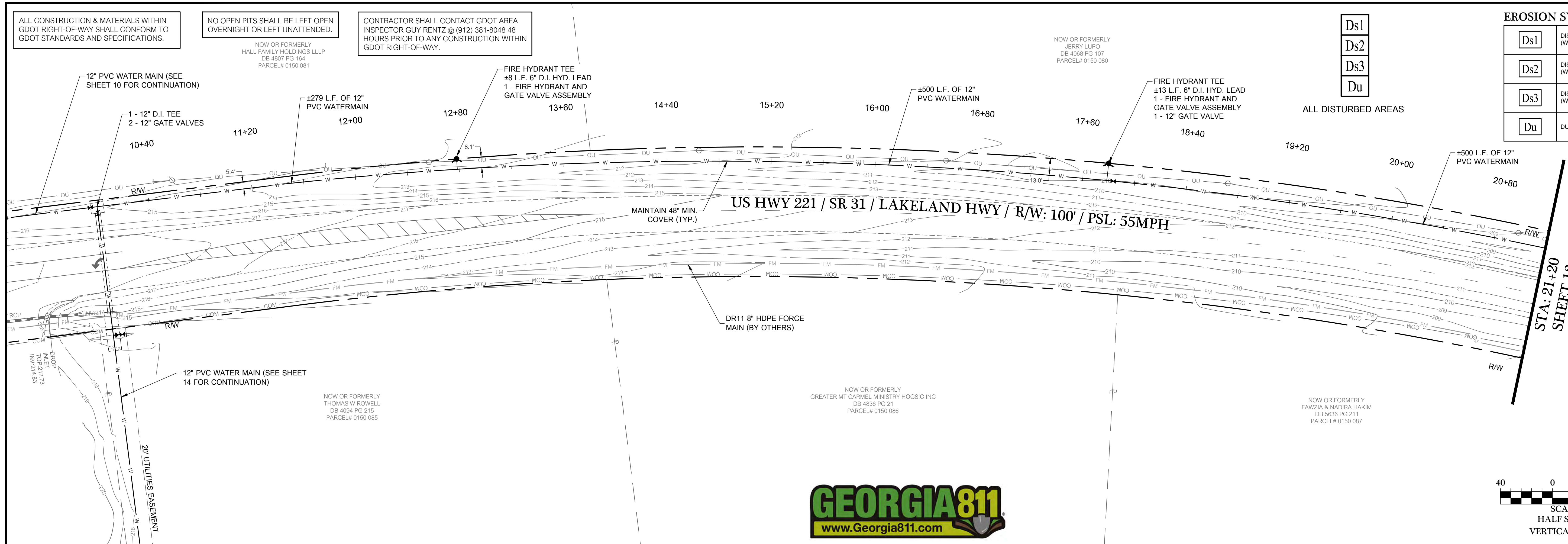
NOW OR FORMERLY
THOMAS W ROWELL
DB 4094 PG 215
PARCEL# 0150 085

NOW OR FORMERLY
GREATER MT CARMEL MINISTRY HOGSIC INC
DB 4638 PG 21
PARCEL# 0150 086

NOW OR FORMERLY
FAWZIA & NADIRA HAKIM
DB 5636 PG 211
PARCEL# 0150 087

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Ds2	DISTURBED AREA STABILIZATION (WITH TEMPORARY SEEDING)
Ds3	DISTURBED AREA STABILIZATION (WITH PERMANENT SEEDING)
Du	DUST CONTROL

- Ds1
- Ds2
- Ds3
- Du



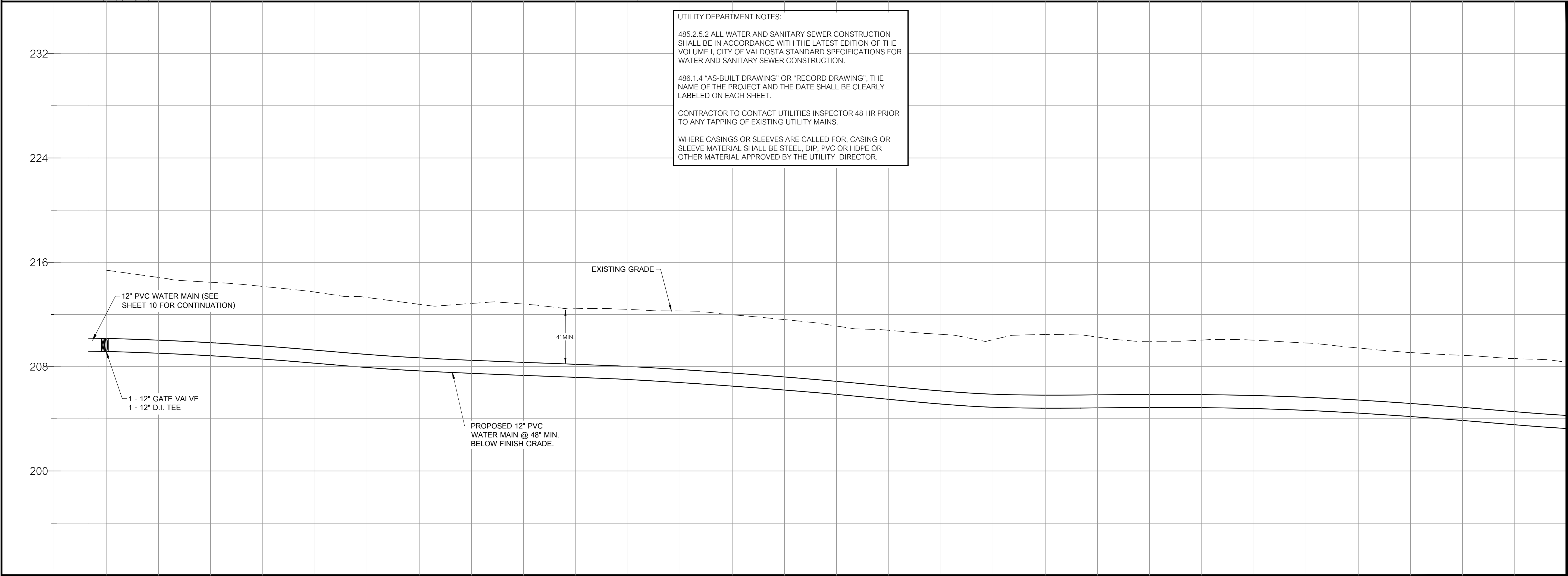
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214.84	214.84	214.15	214.15	213.30	213.30	212.85	212.85	212.44	212.44	212.27	212.27	211.61	211.61	210.79	210.79	210.07	210.07	210.27	210.27	210.04	210.04	209.62	209.62	209.08	209.08	208.62	208.62
10+40	11+20	12+00	12+80	13+60	14+40	15+20	16+00	16+80	17+60	18+40	19+20	20+00	WATER MAIN - P&P 4														

NO.	DATE	DESCRIPTION

INNER PERIMETER UTILITIES EXTENSIONS
CITY OF VALDOSTA, LOWNDES COUNTY, GA
LAND LOT 127 OF THE 11TH LAND DISTRICT

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LEVEL II CERT. 8141
DATE: 03/31/2025
DRAWN BY: M. WILSON
CHECKED BY: B. KENT

SHEET
11 of 18
PROJECT NUMBER
1876

Ds1
Ds2
Ds3
Du

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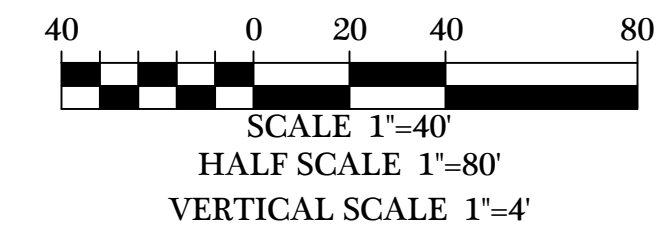
EROSION SYMBOL LEGEND	
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Ds2	DISTURBED AREA STABILIZATION (WITH TEMPORARY SEEDING)
Ds3	DISTURBED AREA STABILIZATION (WITH PERMANENT SEEDING)
Du	DUST CONTROL

NOW OR FORMERLY HOUSER INVESTMENT PROPERTIES LLC DB 6894 PG 330 PARCEL# 0150 079

NOW OR FORMERLY METHODIST HOME OF THE SOUTH GA CONFERENCE DB 1195 PG 292 PARCEL# 0150 023

NOW OR FORMERLY DALE & ROBIN E WATTS DB 4071 PG 124 PARCEL# 0150 088

NOW OR FORMERLY COLE LIVINGSTON DEVELOPMENT LLC DB 7011 PG 62 PARCEL# 0150 089



STA: 21+20
SHEET 11

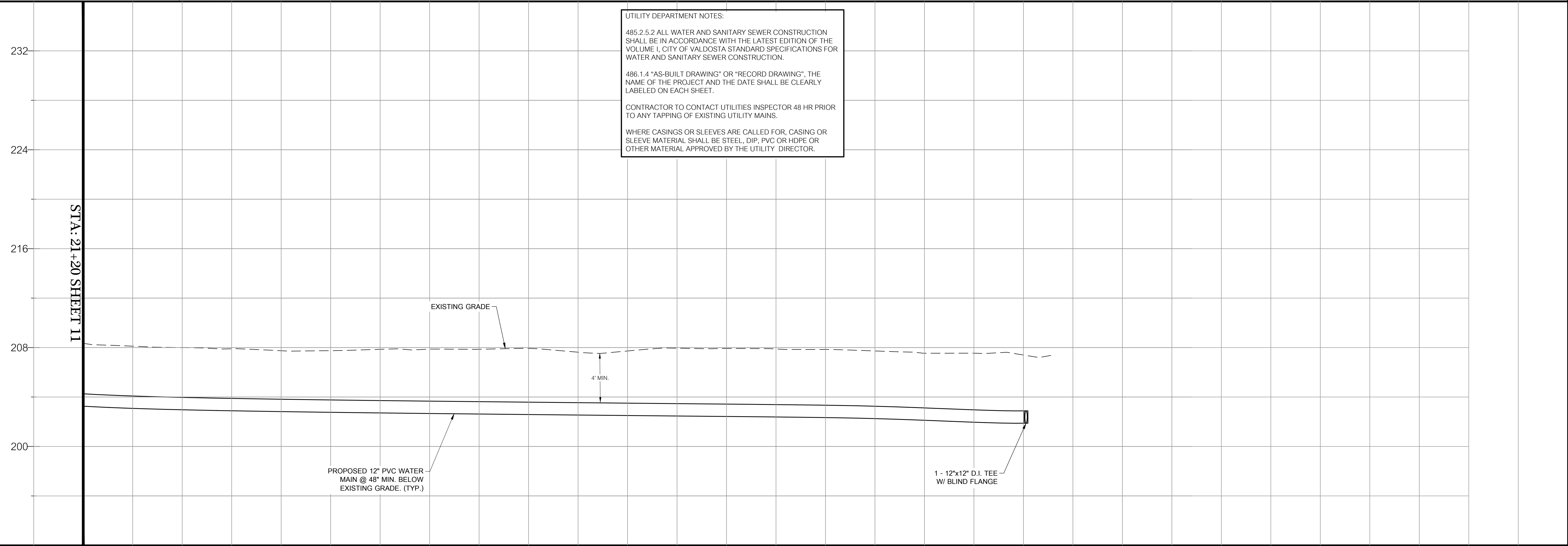
STA: 21+20 SHEET 11

ALL DISTURBED AREAS

US HWY 221 / SR 31 / LAKELAND HWY / R/W: 100' / PSL: 55MPH

STALLINGS RD (80' R/W)

UTILITY DEPARTMENT NOTES:
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208.11 208.11	207.90 207.90	207.75 207.75	207.67 207.67	207.63 207.63	207.72 207.72	207.63 207.63	207.64 207.64	207.54 207.54	207.40 207.40		
21+60	22+40	23+20	24+00	24+80	25+60	26+40	27+20	28+00	28+80	29+60	

WATER MAIN - P&P 5

DATE	REVISIONS
04/22/2025	REVISIONS PER GDOT COMMENTS

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SHEET 12 OF 18
PROJECT NUMBER 1876

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- Ds1
- Ds2
- Ds3
- Du

ALL DISTURBED AREAS

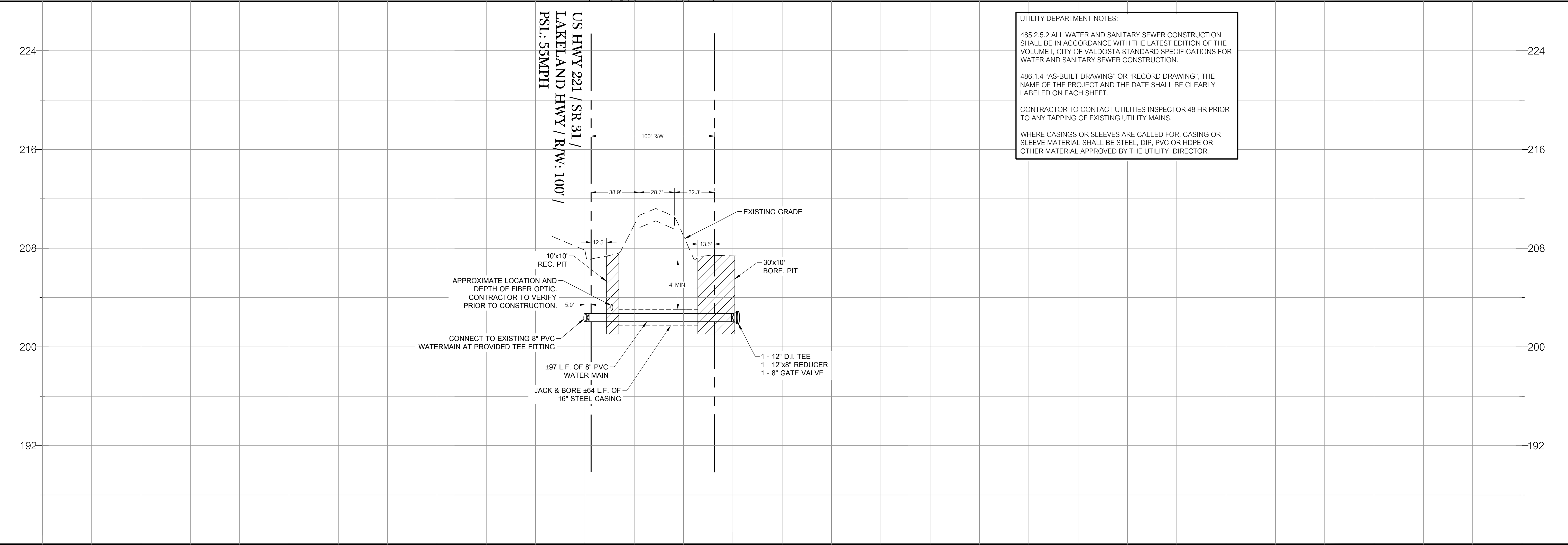
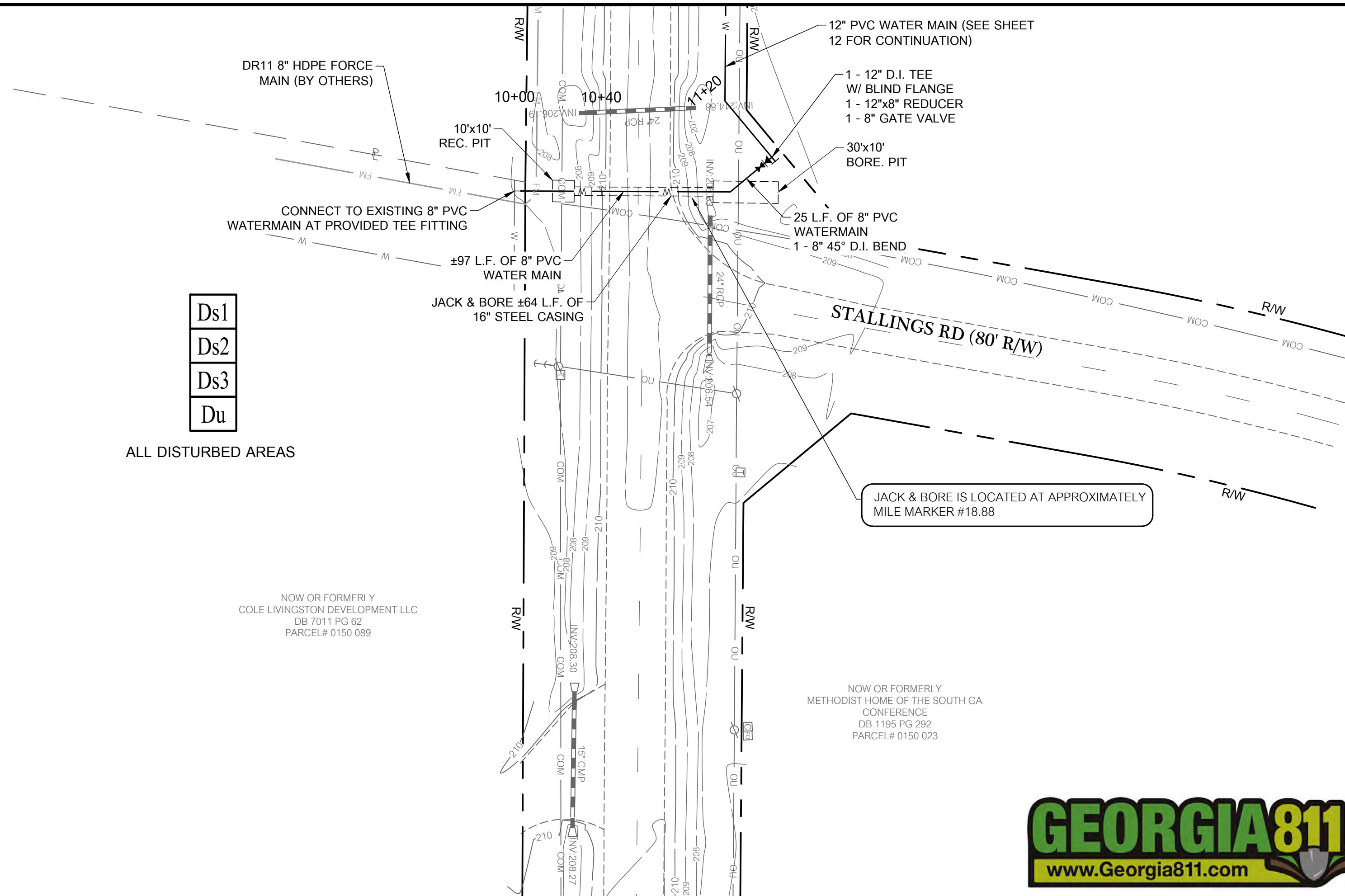
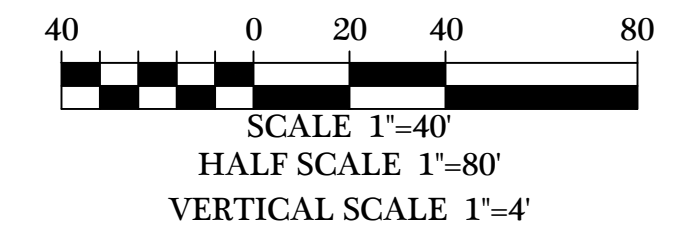
NOW OR FORMERLY
COLE LIVINGSTON DEVELOPMENT LLC
DB 7011 PG 62
PARCEL# 0150 089

NOW OR FORMERLY
METHODIST HOME OF THE SOUTH GA
CONFERENCE
DB 1195 PG 232
PARCEL# 0150 023



EROSION SYMBOL LEGEND

Ds1	DISTURBED AREA STABILIZATION (WITH MULCHING ONLY)
Ds2	DISTURBED AREA STABILIZATION (WITH TEMPORARY SEEDING)
Ds3	DISTURBED AREA STABILIZATION (WITH PERMANENT SEEDING)
Du	DUST CONTROL



UTILITY DEPARTMENT NOTES:

485.2.5.2 ALL WATER AND SANITARY SEWER CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE VOLUME I, CITY OF VALDOSTA STANDARD SPECIFICATIONS FOR WATER AND SANITARY SEWER CONSTRUCTION.

486.1.4 "AS-BUILT DRAWING" OR "RECORD DRAWING", THE NAME OF THE PROJECT AND THE DATE SHALL BE CLEARLY LABELED ON EACH SHEET.

CONTRACTOR TO CONTACT UTILITIES INSPECTOR 48 HR PRIOR TO ANY TAPPING OF EXISTING UTILITY MAINS.

WHERE CASINGS OR SLEEVES ARE CALLED FOR, CASING OR SLEEVE MATERIAL SHALL BE STEEL, DIP, PVC OR HDPE OR OTHER MATERIAL APPROVED BY THE UTILITY DIRECTOR.

US HWY 221 / SR 91 /
LAKELAND HWY / R/W: 100' /
PSL: 55MPH

DATE	REVISIONS
03/31/2025	REVISIONS PER GDOT COMMENTS

INNER PERIMETER UTILITIES EXTENSIONS
CITY OF VALDOSTA, LOWNDES COUNTY, GA
LAND LOT 127 OF THE 11TH LAND DISTRICT

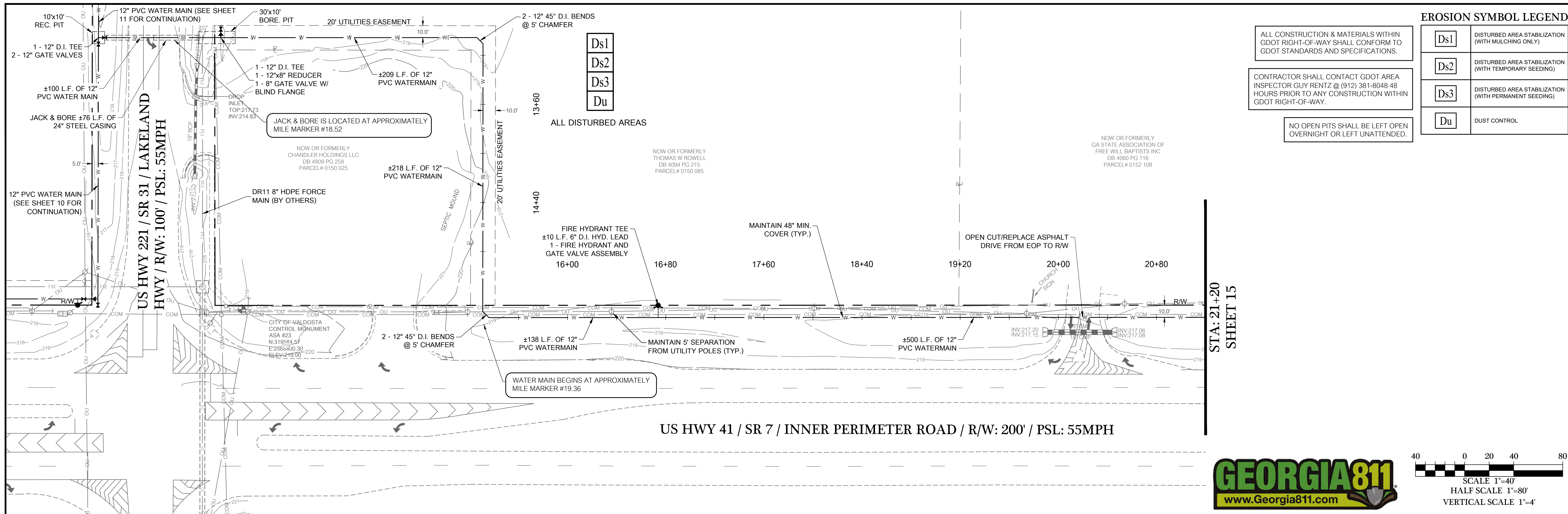
INNOVATE!
Engineering & Surveying
PHONE: 229-249-9113 - www.innovatecs.com
2214 N. Patterson Street, Valdosta, GA 31602



LEVEL II CERT. 8141
DATE: 03/31/2025
DRAWN BY: M. WILSON
CHECKED BY: B. KENT

SHEET
13 OF 18
PROJECT NUMBER
1876

WATER MAIN - P&P 6



EROSION SYMBOL LEGEND

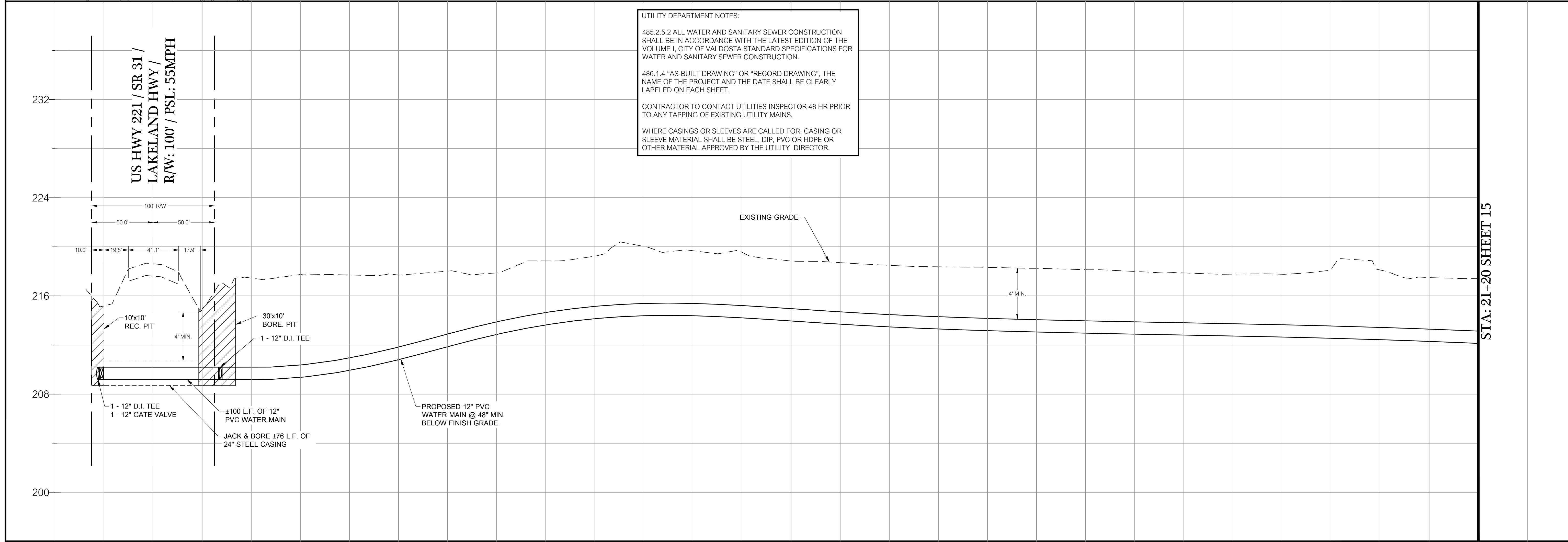
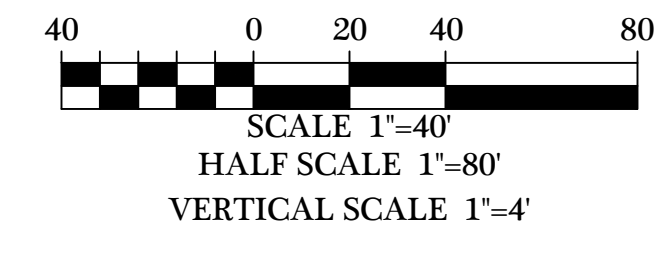
Ds1	DISTURBED AREA STABILIZATION (WITH MULCHING ONLY)
Ds2	DISTURBED AREA STABILIZATION (WITH TEMPORARY SEEDING)
Ds3	DISTURBED AREA STABILIZATION (WITH PERMANENT SEEDING)
Du	DUST CONTROL

ALL CONSTRUCTION & MATERIALS WITHIN CDOT RIGHT-OF-WAY SHALL CONFORM TO CDOT STANDARDS AND SPECIFICATIONS.

CONTRACTOR SHALL CONTACT CDOT AREA INSPECTOR GUY RENTZ @ (912) 381-8048 48 HOURS PRIOR TO ANY CONSTRUCTION WITHIN CDOT RIGHT-OF-WAY.

NO OPEN PITS SHALL BE LEFT OPEN OVERNIGHT OR LEFT UNATTENDED.

STA: 21+20
SHEET 15



UTILITY DEPARTMENT NOTES:

485.2.5.2 ALL WATER AND SANITARY SEWER CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE VOLUME I, CITY OF VALDOSTA STANDARD SPECIFICATIONS FOR WATER AND SANITARY SEWER CONSTRUCTION.

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CONTRACTOR TO CONTACT UTILITIES INSPECTOR 48 HR PRIOR TO ANY TAPPING OF EXISTING UTILITY MAINS.

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STA: 21+20 SHEET 15

9+60	10+40	11+20	12+00	12+80	13+60	14+40	15+20	16+00	16+80	17+60	18+40	19+20	20+00	217.50	217.50
218.02	218.02	217.46	217.71	218.02	218.85	220.03	219.56	218.71	218.37	218.25	218.00	217.77	218.18	217.50	217.50

WATER MAIN - P&P 7

INNER PERIMETER UTILITIES EXTENSIONS
CITY OF VALDOSTA, LOWNDIS COUNTY, GA
LAND LOT 127 OF THE 11TH LAND DISTRICT

INNOVATE!
Engineering & Surveying
PHONE: 229-249-9113 - www.innovatecs.com
2214 N. Patterson Street, Valdosta, GA 31602

LEVEL II CERT. 8141
DATE: 03/31/2025
DRAWN BY: M. WILSON
CHECKED BY: B. KENT

SHEET
14 of 18
PROJECT NUMBER
1876

1:\Projects\1876-Valdosta Inner Perimeter Utilities Extension\Civil\1876\02.dwg - 14 WATER MAIN - P&P 7 - 4/3/2025 9:05 AM

ALL CONSTRUCTION & MATERIALS WITHIN GDOT RIGHT-OF-WAY SHALL CONFORM TO GDOT STANDARDS AND SPECIFICATIONS.

CONTRACTOR SHALL CONTACT GDOT AREA INSPECTOR GUY RENTZ @ (912) 381-8048 48 HOURS PRIOR TO ANY CONSTRUCTION WITHIN GDOT RIGHT-OF-WAY.

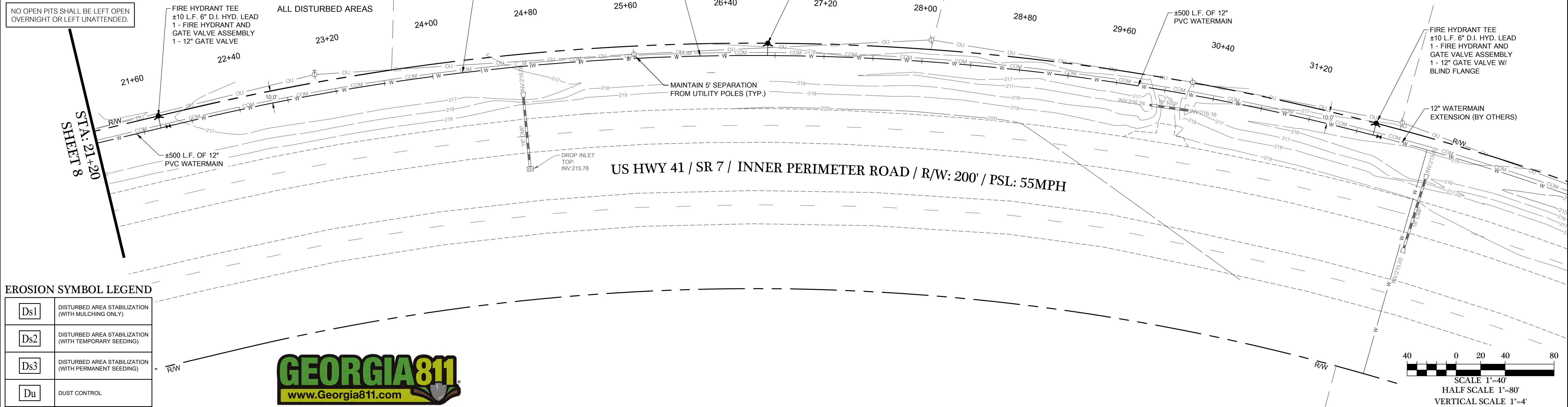
NO OPEN PITS SHALL BE LEFT OPEN OVERNIGHT OR LEFT UNATTENDED.

NOW OR FORMERLY
GA STATE ASSOCIATION OF
FREE WILL BAPTISTS INC
DB 4060 PG 116
PARCEL# 0152 108

Ds1
Ds2
Ds3
Du

NOW OR FORMERLY
WILLIAM RICHARD HILL
DB 4068 PG 61
PARCEL# 0152 107

NOW OR FORMERLY
COOK COUNTY LAND VENTURES LLC
DB 4360 PG 112
PARCEL# 0152 106

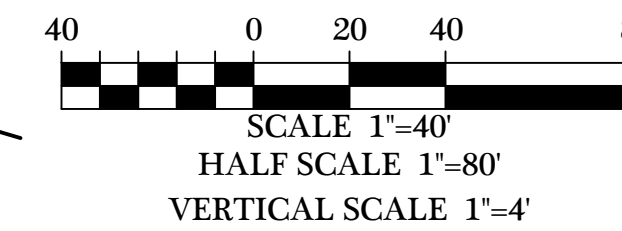


EROSION SYMBOL LEGEND

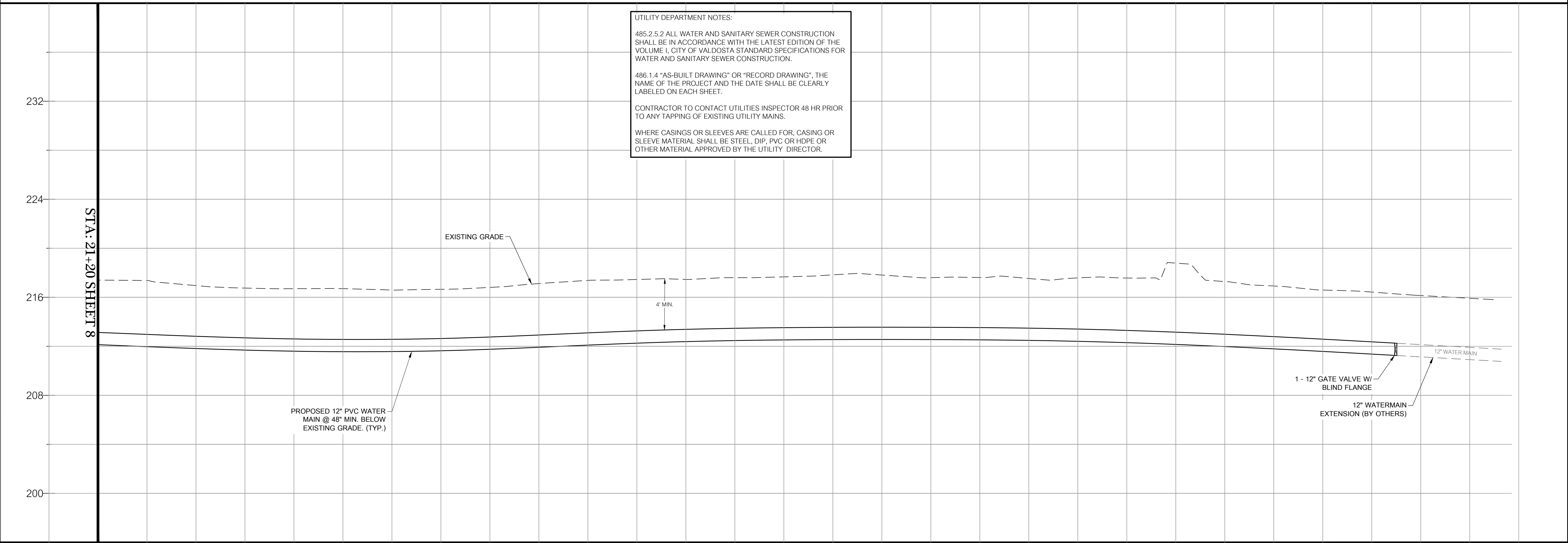
Ds1	DISTURBED AREA STABILIZATION (WITH MULCHING ONLY)
Ds2	DISTURBED AREA STABILIZATION (WITH TEMPORARY SEEDING)
Ds3	DISTURBED AREA STABILIZATION (WITH PERMANENT SEEDING)
Du	DUST CONTROL



US HWY 41 / SR 7 / INNER PERIMETER ROAD / R/W: 200' / PSL: 55MPH



UTILITY DEPARTMENT NOTES:
485.2.5.2 ALL WATER AND SANITARY SEWER CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE VOLUME I, CITY OF VALDOSTA STANDARD SPECIFICATIONS FOR WATER AND SANITARY SEWER CONSTRUCTION.
486.1.4 "AS-BUILT DRAWING" OR "RECORD DRAWING", THE NAME OF THE PROJECT AND THE DATE SHALL BE CLEARLY LABELED ON EACH SHEET.
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21+60	22+40	23+20	24+00	24+80	25+60	26+40	27+20	28+00	28+80	29+60	30+40	31+20	
217.57 217.37	216.75 216.75	216.70 216.70	216.65 216.65	217.12 217.12	217.45 217.45	217.60 217.60	217.53 217.53	217.60 217.60	217.53 217.53	217.57 217.57	217.28 217.28	216.59 216.59	

WATER MAIN - P&P 8

NO.	DATE	REVISIONS
1	04/23/2025	ISSUE FOR CONSTRUCTION

INNER PERIMETER UTILITIES EXTENSIONS
CITY OF VALDOSTA, LOWNDEN COUNTY, GA
LAND LOT 127 OF THE 11TH LAND DISTRICT

INNOVATE!
Engineering & Surveying
PHONE: 229-249-9113 - www.innovatecs.com
2214 N. Patterson Street, Valdosta, GA 31602

LEVEL II CERT. 8141
DATE: 03/31/2025
DRAWN BY: M. WILSON
CHECKED BY: B. KENT

SHEET 15 OF 18
PROJECT NUMBER 1876

I:\Projects\1876-Valdosta Inner Perimeter Utilities Extension\Civil\1876\02.dwg, 15 WATER MAIN - P&P 8 - 4/3/2025 9:05 AM

ALL CONSTRUCTION & MATERIALS WITHIN
 GDOT RIGHT-OF-WAY SHALL CONFORM TO
 GDOT STANDARDS AND SPECIFICATIONS.

CONTRACTOR SHALL CONTACT GDOT AREA
 INSPECTOR GUY RENTZ @ (912) 381-8048 48
 HOURS PRIOR TO ANY CONSTRUCTION WITHIN
 GDOT RIGHT-OF-WAY.

NO OPEN PITS SHALL BE LEFT OPEN
 OVERNIGHT OR LEFT UNATTENDED.

ITEM	EXISTING	PROPOSED
WATER MAIN	8" w	8" water main
BUTTERFLY VALVE	8" w	8" w
GATE VALVE	8" w	8" w
AIR RELEASE VALVE	8" w	8" w
SPRINKLER HEAD	8" w	8" w
FLUSH POINT	8" w	8" w
SAMPLING POINT	8" w	8" w
FIRE HYDRANT	8" w	8" w
TEE	8" w	8" w
PLUG OR CAP	8" w	8" w
BEND	8" w	8" w
CROSS	8" w	8" w
PUMPING STATION	8" w	8" w
WATER METER	8" w	8" w
CHECK VALVE	8" w	8" w
REDUCER	8" w	8" w
WATER SERVICE (SINGLE)	8" w	8" w
WATER SERVICE (DOUBLE)	8" w	8" w
BLOW OFF	8" w	8" w

ITEM	EXISTING	PROPOSED
SEWER MAIN	8" ss	8" ss
FORCE MAIN	8" fm	8" fm
MANHOLE	8" fm	8" fm
DROP MANHOLE	8" fm	8" fm
MANHOLE STUB OUT	8" fm	8" fm
LIFT STATION (WET WELL)	8" fm	8" fm
PLUG VALVE	8" fm	8" fm
GATE VALVE	8" fm	8" fm
BUTTERFLY VALVE	8" fm	8" fm
AIR RELEASE VALVE	8" fm	8" fm
REDUCER	8" fm	8" fm
SEWER SERVICE (MANHOLE)	8" fm	8" fm
SEWER SERVICE (MAIN LINE)	8" fm	8" fm

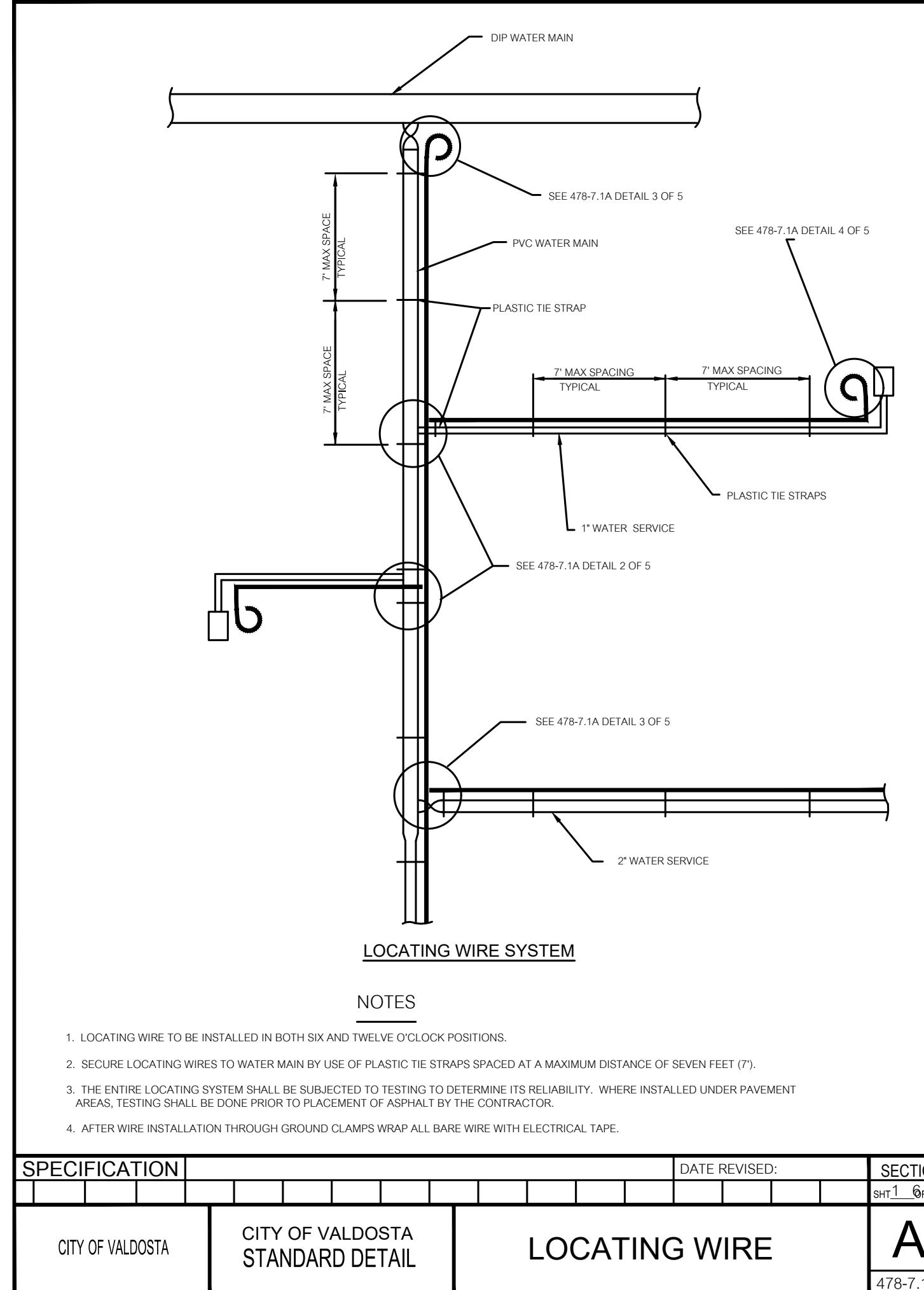
Other Pipe	Horizontal Separation	Crossings	Joint Spacing @ Crossing (Full Joint Centered)
Storm Sewer, Reclaim Water	Water Main 3 ft. minimum	Water Main 12 inches is the minimum, except for storm sewer, then 6 inches is the minimum and 12 inches is preferred with section centered	Alternate 3 ft. minimum
Vacuum Sanitary Sewer	Water Main 10 ft. preferred 3 ft. minimum	Water Main 12 inches preferred 6 inches minimum with section centered	Alternate 3 ft. minimum
Gravity or Pressure Sanitary Sewer, Sanitary Sewer Force Main, Reclaimed Water	Water Main 10 ft. preferred 6 ft. minimum (2)	Water Main 12 inches is the minimum, except for gravity sewer, then 6 inches is the minimum and 12 inches is preferred with section centered	Alternate 6 ft. minimum
On-Site Sewage Treatment & Disposal System	10 ft. minimum		

- (1) Water main should cross above other pipe. When water main must be below other pipe, the minimum separation is 12 inches.
- (2) 3 Ft. for gravity sanitary sewer where the bottom of the water main is laid at least 6 inches above the top of the gravity sanitary sewer.

SPECIFICATION	DATE REVISED:	SECTION
CITY OF VALDOSTA		478-1.1

SPECIFICATION	DATE REVISED:	SECTION
CITY OF VALDOSTA		478-1.1

SPECIFICATION	DATE REVISED:	SECTION
CITY OF VALDOSTA		478-1.4



SPECIFICATION	DATE REVISED:	SECTION
CITY OF VALDOSTA		478-7.1

REVISIONS	DATE	DESCRIPTION

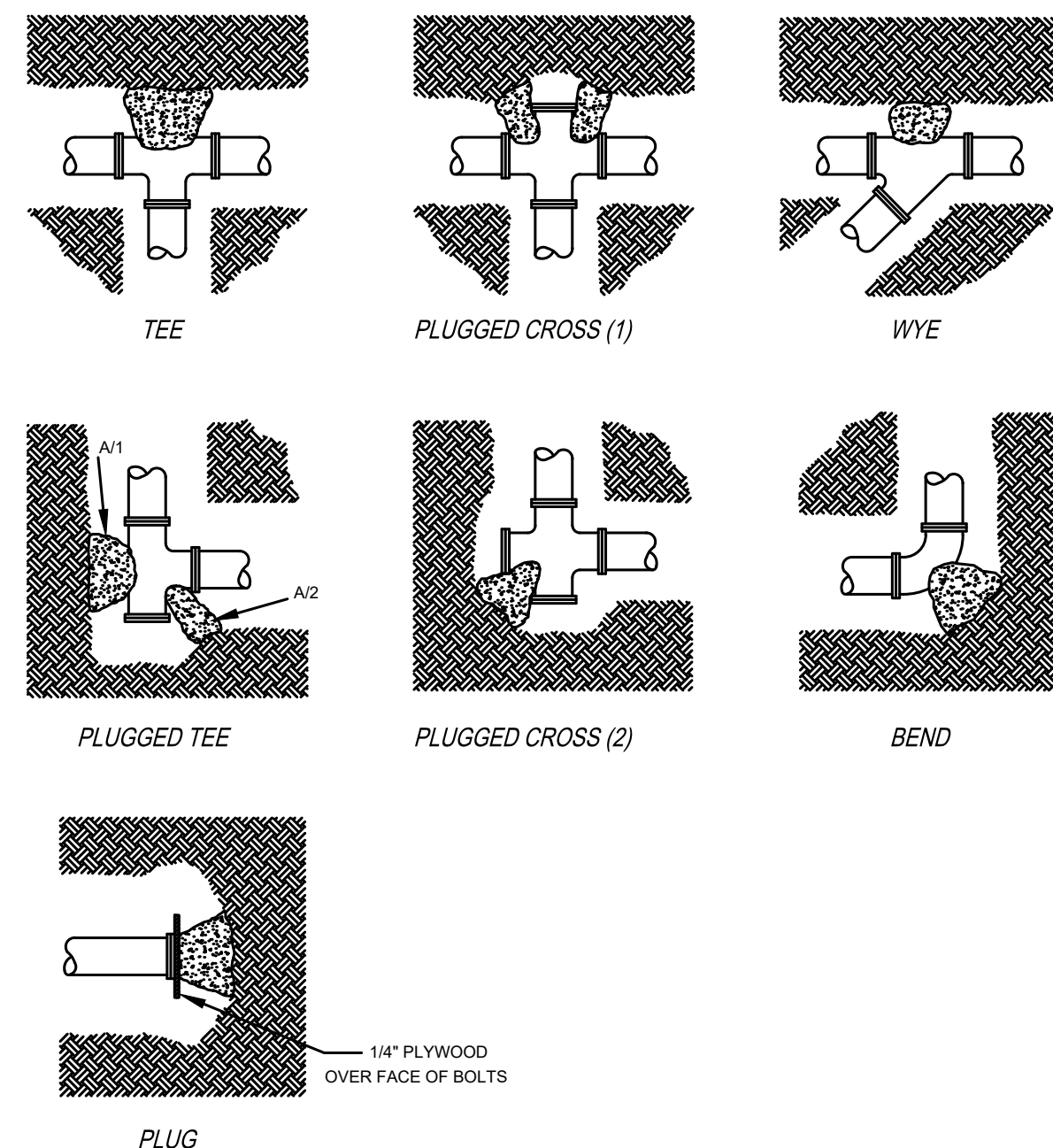
INNER PERIMETER UTILITIES EXTENSIONS
 CITY OF VALDOSTA, LOWNDES COUNTY, GA
 LAND LOT 127 OF THE 11TH LAND DISTRICT

INNOVATE!
 Engineering & Surveying
 PHONE: 229-249-9113 - www.innovatecs.com
 2214 N. Patterson Street, Valdosta, GA 31602

GEORGIA REGISTERED PROFESSIONAL ENGINEER
 No. 22564
 WILLIAM D. KENT
 LEVEL II CERT. 8141

DATE: 03/31/2025
 DRAWN BY: M. WILSON
 CHECKED BY: B. KENT
 SHEET 16 OF 18
 PROJECT NUMBER 1876





NOTES :

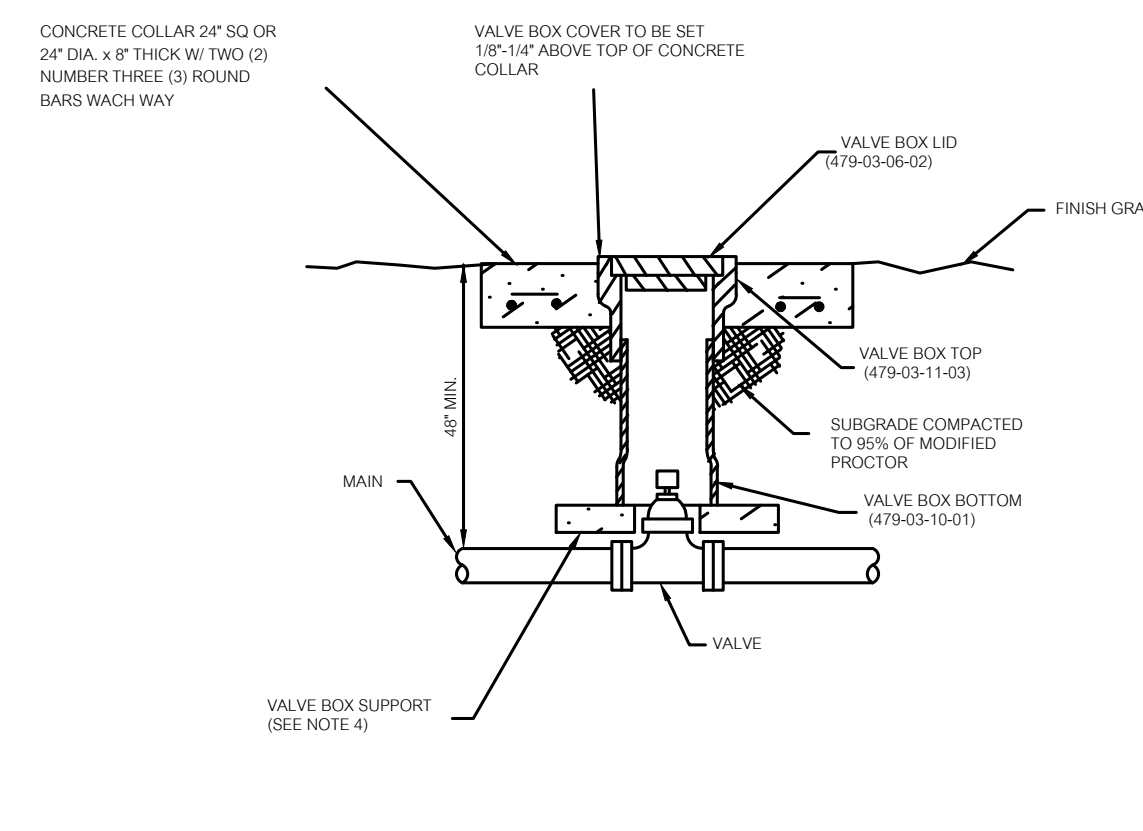
1. BEARING AREA OF THRUST BLOCK SHALL NOT BE LESS THAN 1.0 SQ. FT. BEARING AREA SHALL HAVE EQUAL HEIGHT AND WIDTH.
2. ALLOWABLE SOIL BEARING STRESS IS 2000 LBS./SQ. FT.
3. BEARING AREAS, VOLUMES, AND SPECIAL BLOCKING DETAILS SHOWN ON PLANS TAKE PRECEDENCE OVER THIS STANDARD. THRUST BLOCKS FOR VERTICAL BENDS HAVING DOWNWARD RESULTANT THRUSTS SHALL BE THE SAME AS FOR HORIZONTAL BENDS. BEARING AREAS FOR HORIZONTAL BEND THRUST BLOCKS ARE BASED ON TEST PRESSURE OF 10 PSI, AND AN ALLOWABLE SOIL BEARING STRESS OF 2000 LBS./SQ. FT. TO COMPLETE BEARING AREAS FOR DIFFERENT TEST PRESSURES AND SOIL BEARING STRESSES, MULTIPLY TABLE VALUES BY THE FACTOR (P/P₁), WHERE: P₁ = ACTUAL TEST PRESSURE, P = SOIL ACTUAL OR BEARING PRESSURE, P/P₁ =

NOTES :

4. REQUIRED VOLUMES OR BEARING AREAS AT FITTINGS SHALL BE AS INDICATED BELOW, ADJUSTED, IF NECESSARY, TO CONFORM TO THE TEST PRESSURES AND ALLOWABLE SOIL BEARING STRESSES STATED IN THE SPECIFICATIONS.
5. KEEP CONCRETE CLEAR OF JOINT AND JOINT ACCESSORIES, AND COVER BOLTS WITH PLASTIC.
6. ALL PLUGS, CAPS, TEES, AND BENDS DEFLECTING 11 DEGREES OR MORE ON MAINS 2 INCHES IN DIAMETER OR LARGER SHALL BE PROVIDED WITH SUITABLE ANCHORAGE CONSISTING OF THRUST BLOCKS OR RESTRAINED JOINTS. ALL RESTRAINED JOINT LENGTHS AS SPECIFIED IN THE TABLE ARE FOR ONE RESTRAINT DIRECTION. ALL PIPING TRANSITIONS SHALL BE RESTRAINED IN BOTH DIRECTIONS.

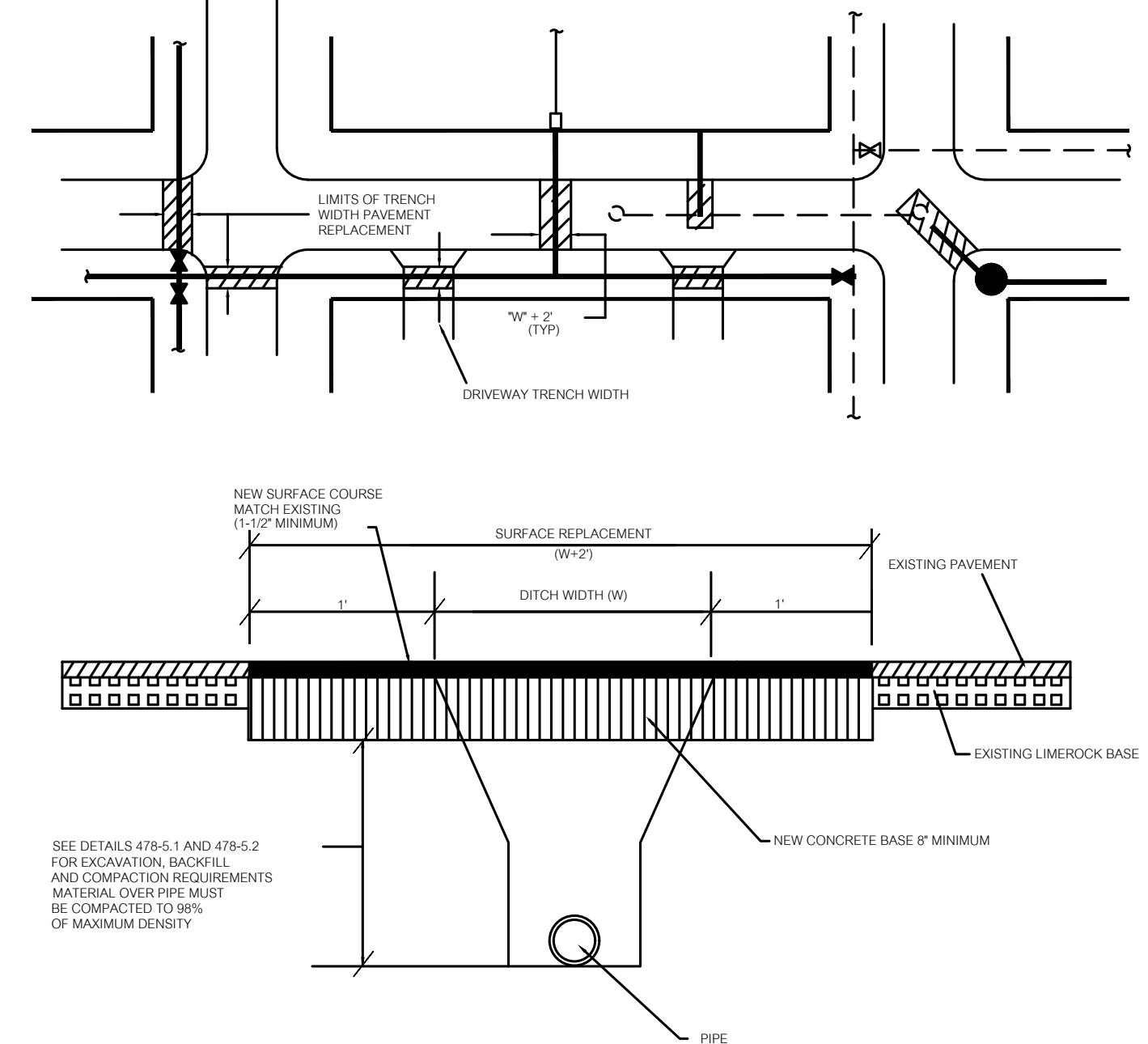
FITTING SIZE	BEARING AREA OF THRUST BLOCKS IN SQ. FT. (HORIZONTAL BENDS)					
	TEE, WYE, PLUG, OR CAP	90° BEND PLUGGED CROSS	TEE PLUGGED RUN		BEND ANGLE	
			A1	A2	45°	22 1/2°
4	1.0	1.4	1.9	1.4	1.0	1.0
6	2.1	3.0	4.3	3.0	1.6	1.0
8	3.8	5.3	7.6	5.4	2.9	1.5
10	5.9	8.4	11.8	8.4	4.6	2.4
12	8.5	12.0	17.0	12.0	6.6	3.4
14	11.5	16.3	23.0	16.3	8.9	4.6
16	15.0	21.3	30.0	21.3	11.6	6.0
18	19.0	27.0	38.0	27.0	14.6	7.6
20	23.5	33.3	47.0	33.3	18.1	9.4
24	34.0	48.0	68.0	48.0	26.2	13.6

FITTING SIZE	VOLUME OF THRUST BLOCKS IN CU. YD.					
	TEE, WYE, PLUG, OR CAP	90° BEND PLUGGED CROSS	TEE PLUGGED RUN		BEND ANGLE	
			A1	A2	45°	22 1/2°
4	0.075	0.075	0.075	0.075	0.075	0.075
6	0.10	0.15	0.350	0.250	0.090	0.075
8	0.25	0.35	0.575	0.400	0.100	0.15
10	0.45	0.60	1.00	0.60	0.350	0.20
12	0.75	1.00	1.75	1.25	0.500	0.25
14	1.25	1.50	2.00	1.75	0.750	0.35
16	1.65	2.00	3.00	2.00	1.100	0.50
18	2.25	2.75	4.00	2.75	1.750	0.80
20	3.50	4.25	5.50	4.25	2.500	1.30
24	5.00	6.00	7.50	6.00	4.00	2.00



NOTES

1. WHERE ONE VALVE BOX EXTENSION IS REQUIRED USE STANDARD VALVE BOX EXTENSIONS 479-05-11-02.
2. WHERE MORE THAN ONE VALVE BOX EXTENSIONS ARE REQUIRED USE 6\"/>



NOTES

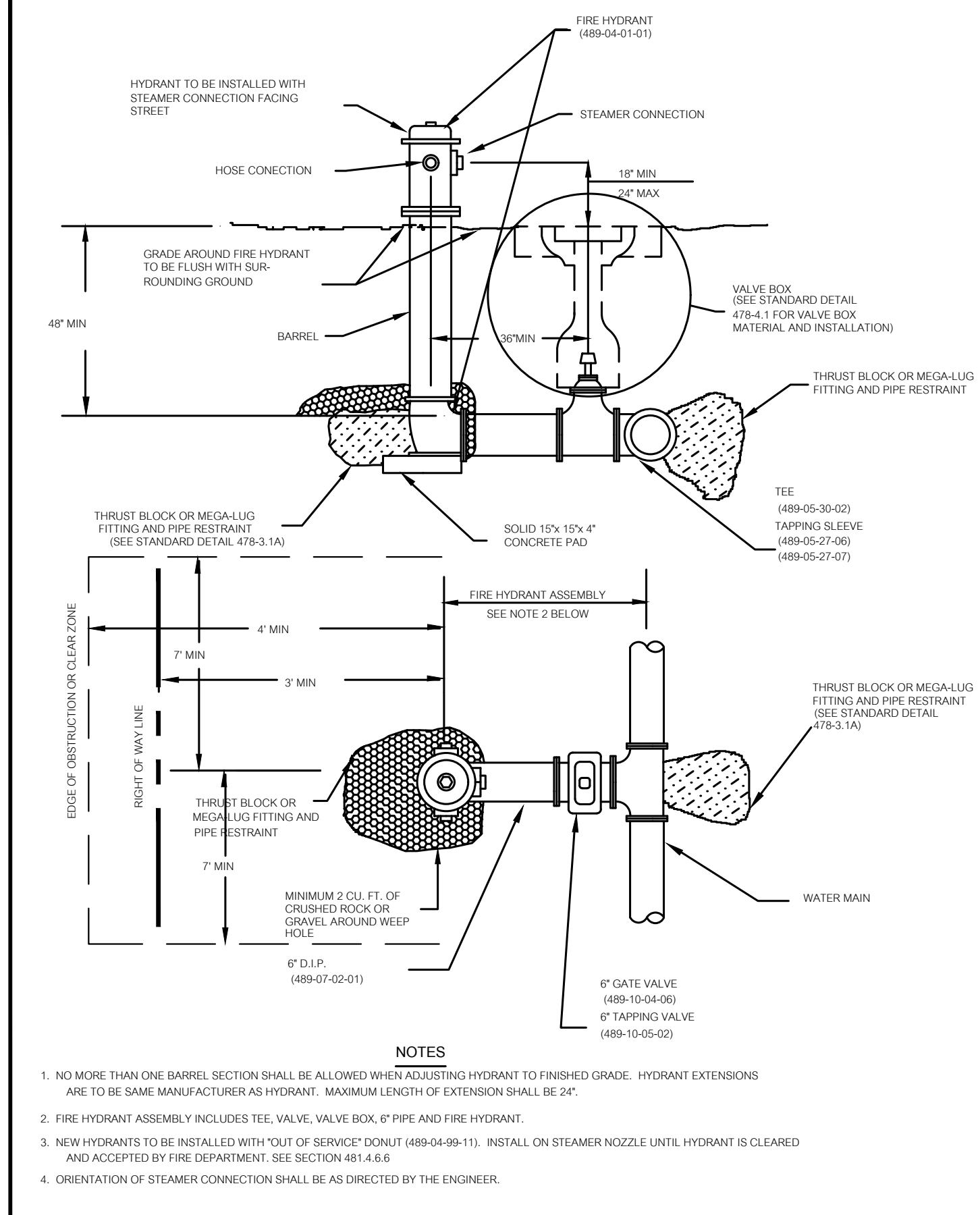
1. UNLESS OTHERWISE SPECIFIED, MATERIALS AND METHODS OF OPERATION REQUIRED TO INSTALL NEW AND REPLACEMENT PAVEMENT SHALL BE IN ACCORDANCE WITH THE LATEST APPLICABLE SPECIFICATIONS AND SPECIFICATIONS OF CITY OF VALDOSTA.
2. PAVEMENT SHALL BE REMOVED TO NEATLY SAWS STRAIGHT EDGES. SAW CUTS SHALL BE MADE TO MIN DEPTH OF 1-1/2\"/>

SPECIFICATION	DATE REVISED:	SECTION
CITY OF VALDOSTA		A
CITY OF VALDOSTA STANDARD DETAIL		478-3.1
THRUST BLOCKS CAST IN PLACE		

SPECIFICATION	DATE REVISED:	SECTION
CITY OF VALDOSTA		A
CITY OF VALDOSTA STANDARD DETAIL		478-3.1
THRUST BLOCKS CAST IN PLACE		

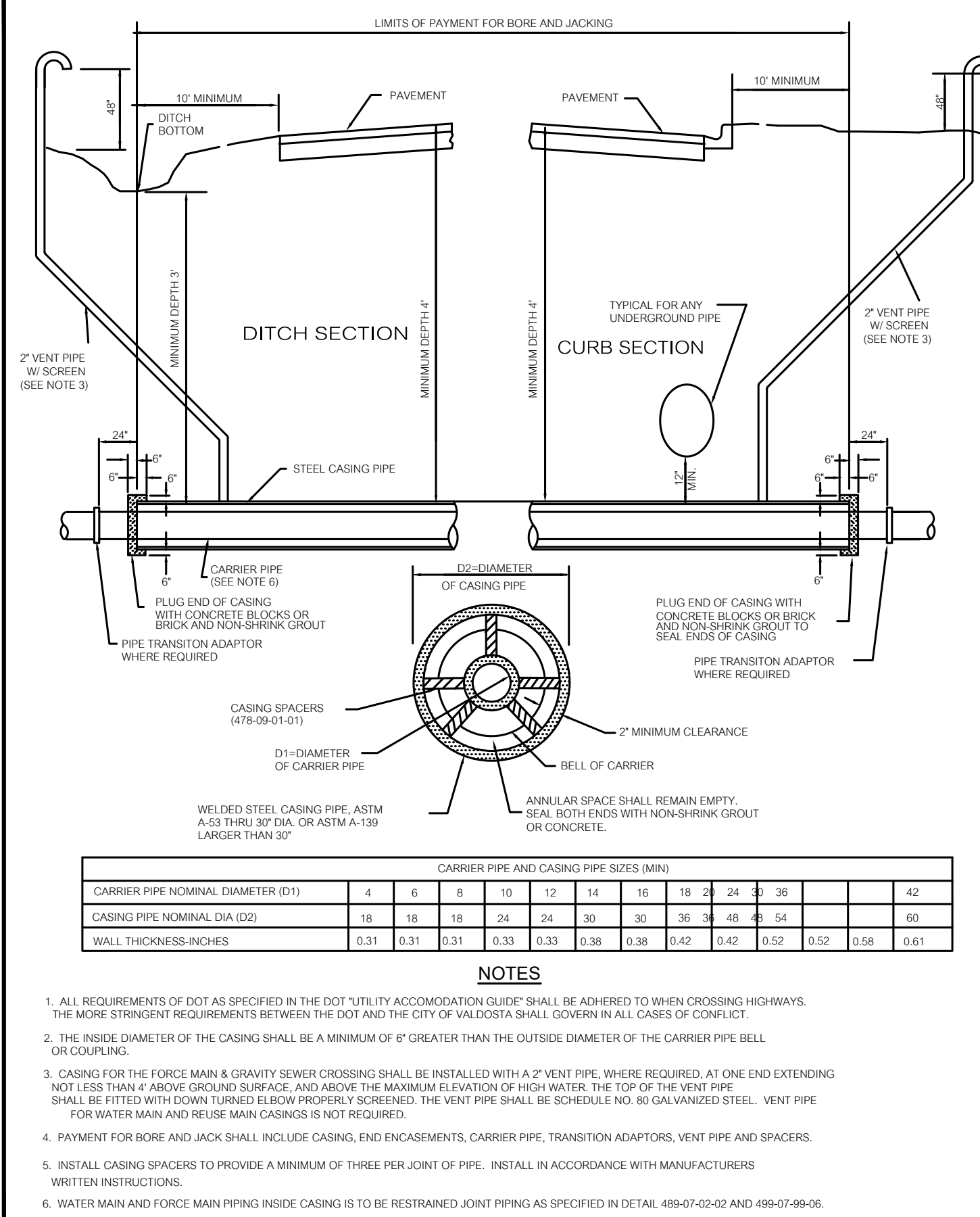
SPECIFICATION	DATE REVISED:	SECTION
CITY OF VALDOSTA		B
CITY OF VALDOSTA STANDARD DETAIL		478-4.1
VALVE BOX INSTALLATION		
TRAFFIC AREA NOT IN PAVEMENT		

SPECIFICATION	DATE REVISED:	SECTION
CITY OF VALDOSTA		B
CITY OF VALDOSTA STANDARD DETAIL		478-6.1
TRENCH WIDTH PAVEMENT REPLACEMENT		



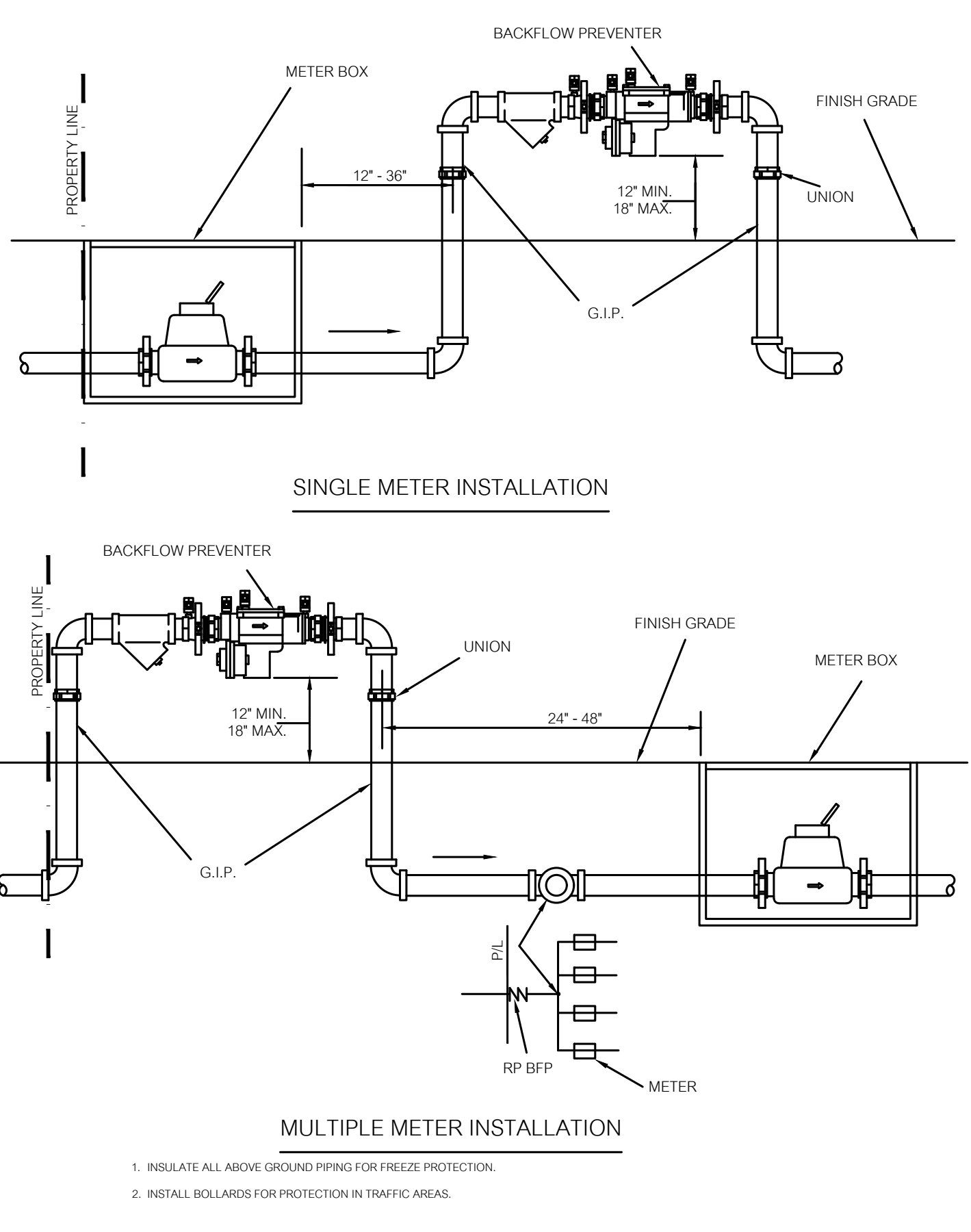
NOTES

1. NO MORE THAN ONE BARREL SECTION SHALL BE ALLOWED WHEN ADJUSTING HYDRANT TO FINISHED GRADE. HYDRANT EXTENSIONS ARE TO BE SAME MANUFACTURER AS HYDRANT. MAXIMUM LENGTH OF EXTENSION SHALL BE 24\"/>



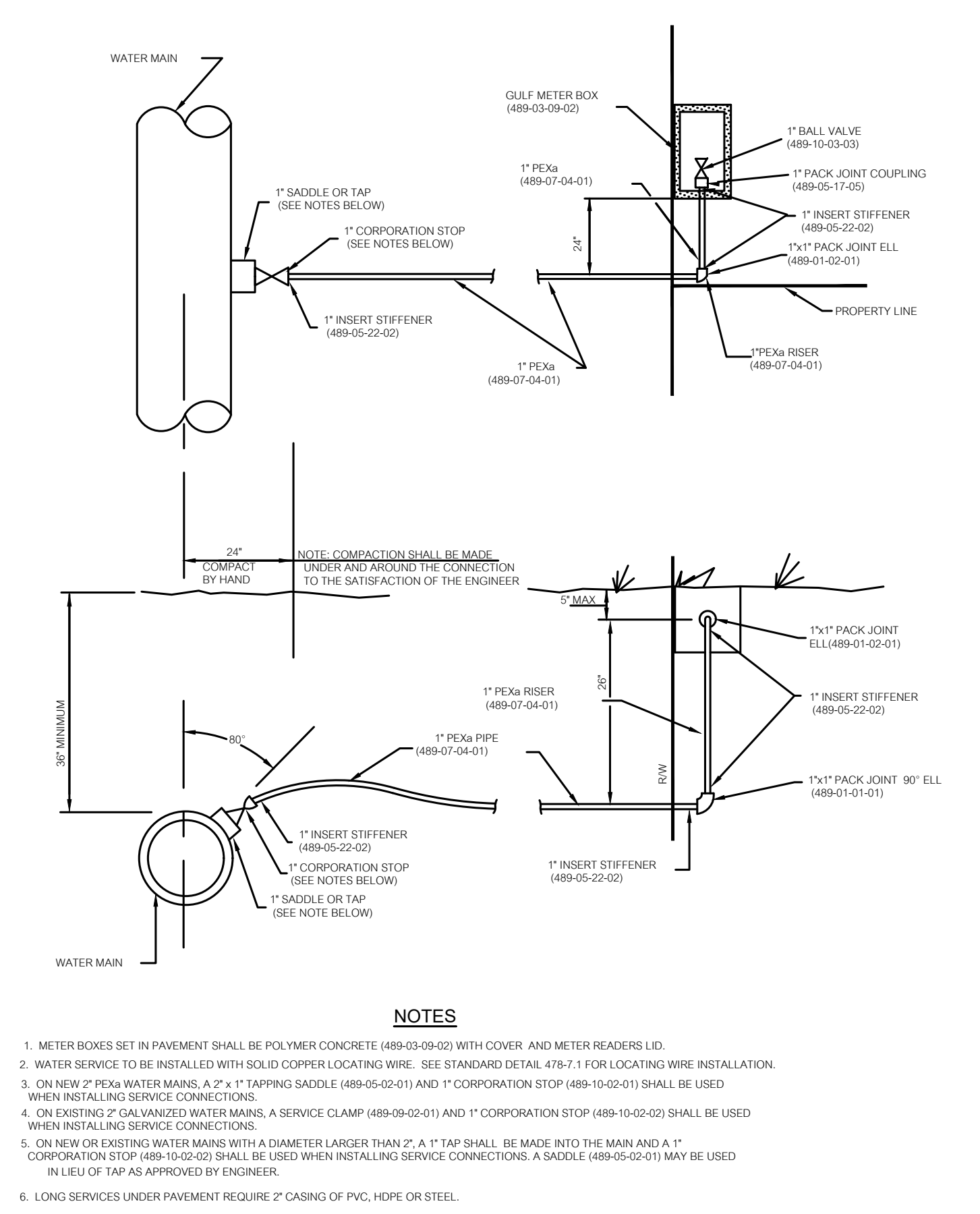
NOTES

1. ALL REQUIREMENTS OF DOT AS SPECIFIED IN THE DOT "UTILITY ACCOMMODATION GUIDE" SHALL BE ADHERED TO WHEN CROSSING HIGHWAYS. THE MORE STRINGENT REQUIREMENTS BETWEEN THE DOT AND THE CITY OF VALDOSTA SHALL GOVERN IN ALL CASES OF CONFLICT.
2. THE INSIDE DIAMETER OF THE CASING SHALL BE A MINIMUM OF 6\"/>



NOTES

1. INSULATE ALL ABOVE GROUND PIPING FOR FREEZE PROTECTION.
2. INSTALL BALLARDS FOR PROTECTION IN TRAFFIC AREAS.



NOTES

1. METER BOXES SET IN PAVEMENT SHALL BE POLYMER CONCRETE (489-03-09-02) WITH COVER AND METER READERS LID.
2. WATER SERVICE TO BE INSTALLED WITH SOLID COPPER LOCATING WIRE. SEE STANDARD DETAIL 478-7.1 FOR LOCATING WIRE INSTALLATION.
3. ON NEW 2\"/>

SPECIFICATION	DATE REVISED:	SECTION
CITY OF VALDOSTA		A
CITY OF VALDOSTA STANDARD DETAIL		488-1.1
FIRE HYDRANT ASSEMBLY		
PERPENDICULAR TO MAIN		

SPECIFICATION	DATE REVISED:	SECTION
CITY OF VALDOSTA		B
CITY OF VALDOSTA STANDARD DETAIL		478-2.1
D.O.T. HIGHWAY BORING AND JACKING		

SPECIFICATION	DATE REVISED:	SECTION
CITY OF VALDOSTA		C
CITY OF VALDOSTA STANDARD DETAIL		488-1.4
SINGLE & MULTI-FAMILY BACKFLOW PREVENTOR INSTALLATION		
(LESS THAN 3")		

SPECIFICATION	DATE REVISED:	SECTION
CITY OF VALDOSTA		C
CITY OF VALDOSTA STANDARD DETAIL		488-2.1
WATER SERVICE		
SINGLE 1\"/>		

NO OPEN PITS SHALL BE LEFT OPEN OVERNIGHT OR LEFT UNATTENDED.

CONTRACTOR SHALL CONTACT GDOT AREA INSPECTOR GUY RENTZ @ (912) 381-8048 48 HOURS PRIOR TO ANY CONSTRUCTION WITHIN GDOT RIGHT-OF-WAY.

ALL CONSTRUCTION & MATERIALS WITHIN GDOT RIGHT-OF-WAY SHALL CONFORM TO GDOT STANDARDS AND SPECIFICATIONS.



INNER PERIMETER UTILITIES EXTENSIONS
 CITY OF VALDOSTA, LOWNDEN COUNTY, GA
 LAND LOT 127 OF THE 11TH LAND DISTRICT

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 2214 N. Patterson Street, Valdosta, GA 31602



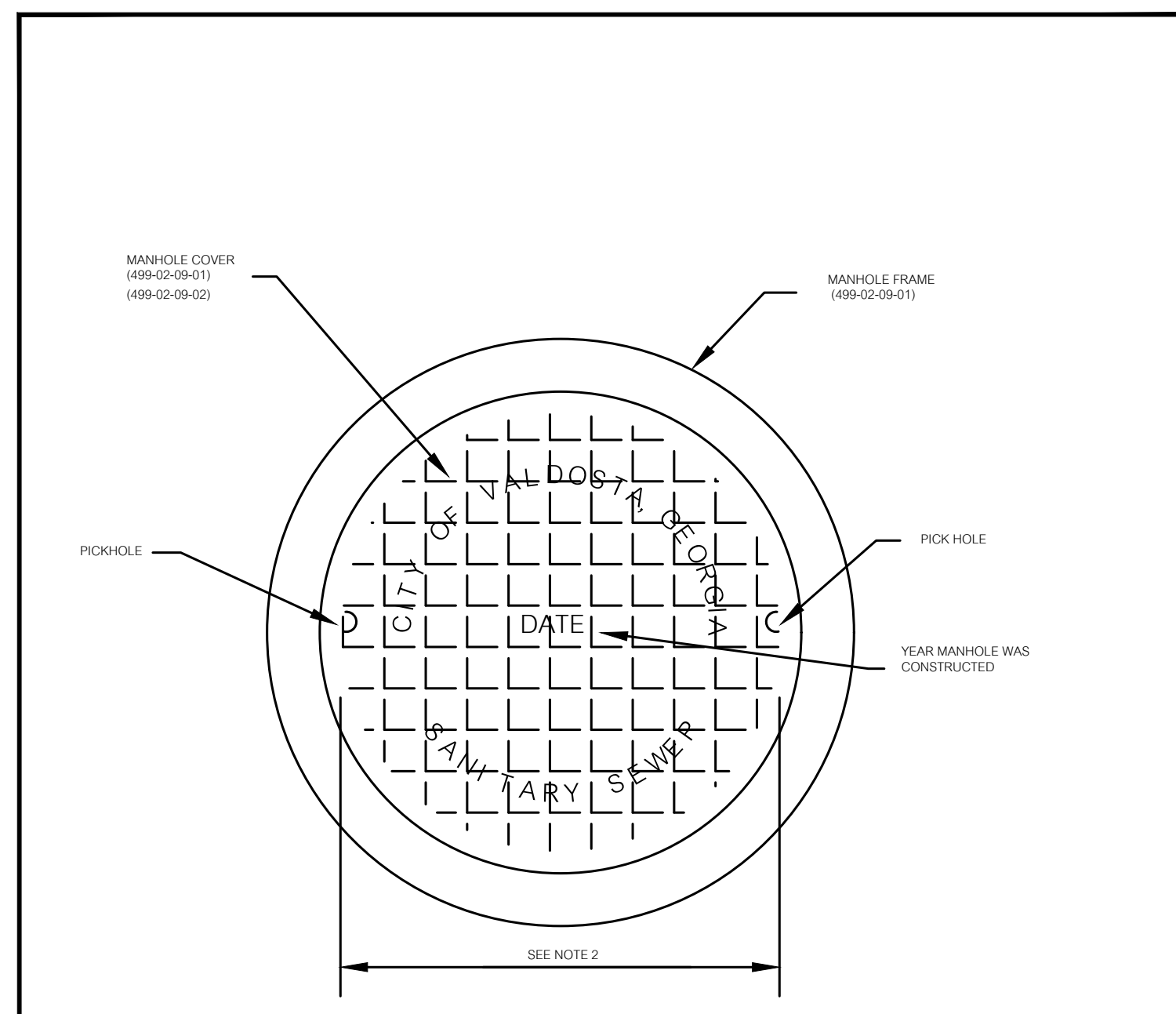
LEVEL II CERT. 8141
 DATE: 03/31/2025
 DRAWN BY: M. WILSON
 CHECKED BY: B. KENT

SHEET 17 OF 18
 PROJECT NUMBER 1876

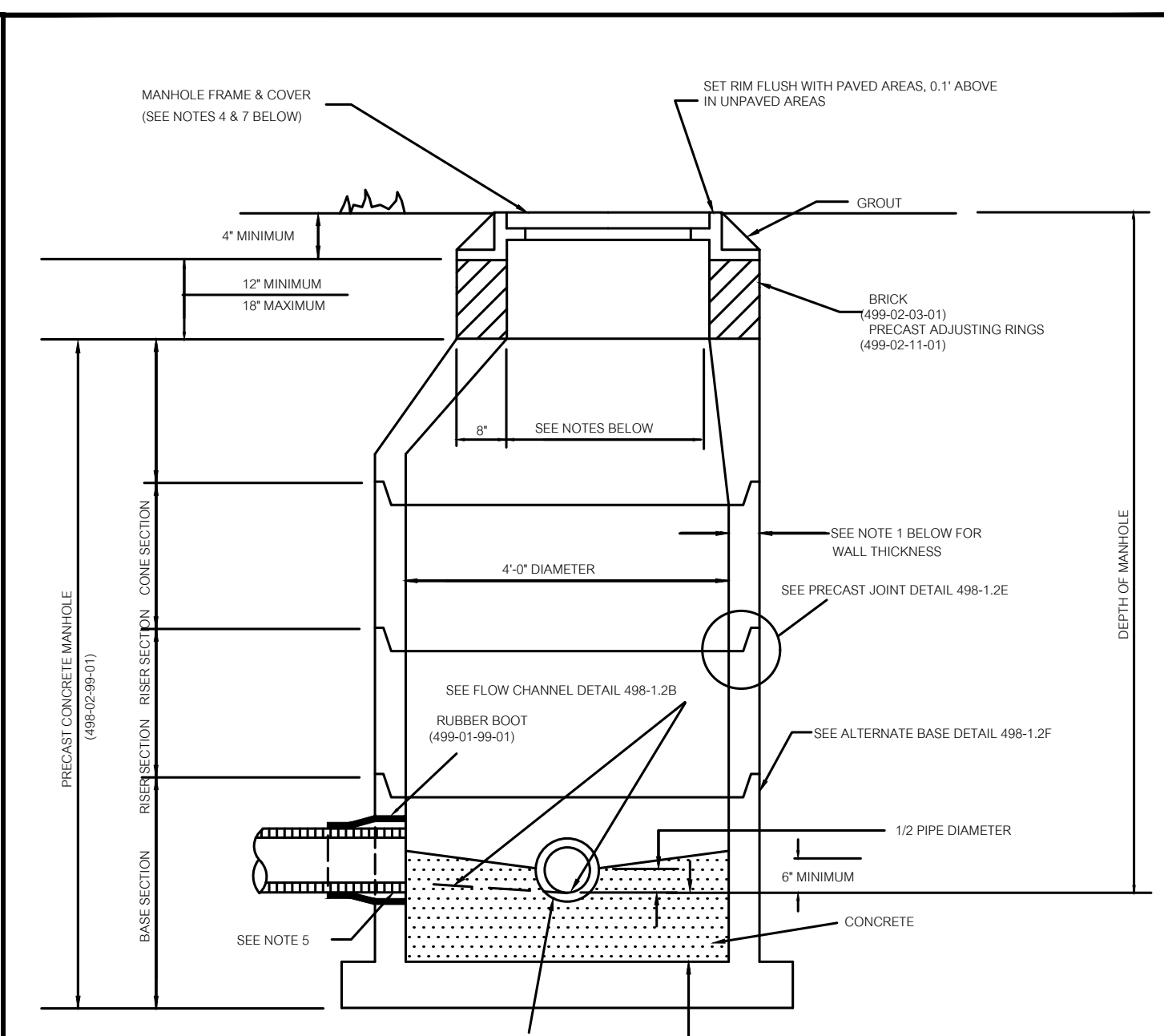
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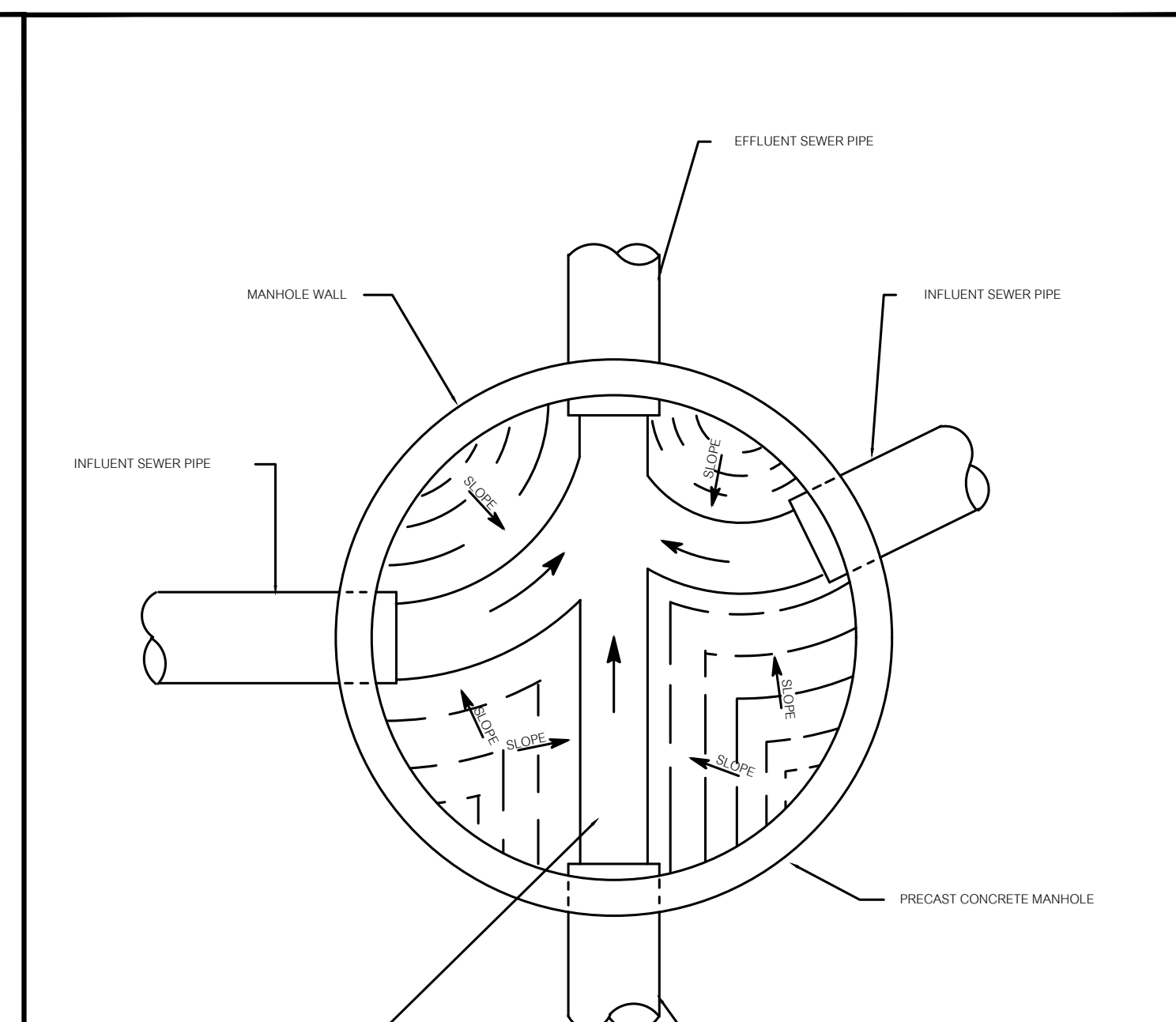
NO OPEN PITS SHALL BE LEFT OPEN OVERNIGHT OR LEFT UNATTENDED.



- NOTES**
- MANHOLE COVER SHALL BE LETTERED WITH THE WORDS "CITY OF VALDOSTA, GEORGIA" ACROSS THE TOP, "SANITARY SEWER" AT THE BOTTOM AND THE YEAR OF THE MANUFACTURE IN CENTER.
 - UNLESS OTHERWISE SPECIFIED MANHOLE COVERS SHALL BE 22" DIAMETER, AND DOUBLE COVERS DEPENDING ON DEPTH, 32" DIAMETER.



- NOTES**
- MINIMUM WALL THICKNESS SHALL BE FIVE INCHES (5" OR 1/2" THE INSIDE DIAMETER, WHICHEVER IS GREATER).
 - ALL MANHOLES THAT WILL BE MAINTAINED BY THE CITY OF VALDOSTA SHALL BE LINED.
 - THE EXTERIOR AREAS SHALL BE COATED WITH TWO (2) COATS OF BITUMASTIC SEALER.
 - MANHOLES SHALL BE FURNISHED WITH FACTORY INSTALLED BOOTS (499-01-99-01) TO CONNECT SEWER PIPES TO MANHOLES.
 - MANHOLE TO BE INSTALLED WITH 2" STANDARD RING AND COVER UNLESS OTHERWISE SPECIFIED.
 - FILL ANNUAL VOID BETWEEN PIPE AND RUBBER BOOT WITH GROUT AND FLUSH WITH MANHOLE WALL.
 - LIMEROCK WILL BE PLACED AROUND RING & COVER TO BOTTOM OF ASPHALT.
 - MANHOLE COVERS IN PAVEMENT SHALL BE STANDARD OR HINGED (499-02-09-03) WHERE SPECIFIED.
 - EACH MANHOLE INSTALLED SHALL HAVE ONE COMPACTION DENSITY TEST PER 491.4.1.1 IN SPECIFICATIONS, 100% STANDARD PROCTOR.



- NOTES**
- FLOW CHANNELS IN MANHOLE BOTTOM SHALL HAVE SAME RADIUS AS EFFLUENT SEWER LINES.
 - FLOW CHANNELS SHALL BE FORMED OF CLASS 'C' CONCRETE. ALL INVERTS SHALL FOLLOW THE GRADES OF THE PIPE ENTERING THE MANHOLE. BRICKS OR OTHER FILL MATERIALS SHALL NOT BE USED WHEN FORMING FLOW CHANNELS.
 - THAT PORTION OF THE FLOW CHANNEL ABOVE THE SLOPED SIDES SHALL BE FREE OF COVERING TO THE LIMITS SHOWN ABOVE.

SPECIFICATION	DATE REVISED:	SECTION	SPECIFICATION	DATE REVISED:	SECTION	SPECIFICATION	DATE REVISED:	SECTION
CITY OF VALDOSTA		498-1.2	CITY OF VALDOSTA		498-1.1	CITY OF VALDOSTA		498-1.2
CITY OF VALDOSTA STANDARD DETAIL		A	CITY OF VALDOSTA STANDARD DETAIL		B	CITY OF VALDOSTA STANDARD DETAIL		B
SANITARY SEWER MANHOLE COVER		A	PRECAST CONCRETE MANHOLE 5' TO 12' DEPTH		B	SANITARY SEWER MANHOLE FLOW CHANNEL		B

Ds1 Disturbed Area Stabilization (With MULCHING ONLY)

DEFINITION
A TEMPORARY COVER OF PLANT RESOURCES APPLIED TO THE SOIL SURFACE FOR A PERIOD OF SIX (6) MONTHS OR LESS WHEN SEEDING IS NOT PRACTICAL.

CONDITIONS
THESE AREAS USUALLY CANNOT BE STABILIZED BY ORDINARY CONSERVATION TREATMENT AND MANAGEMENT AND IF LEFT UNTREATED CAN CAUSE SEVERE EROSION SEDIMENT DAMAGE.

SPECIFICATIONS

- INSTALL ALL OTHER REQUIRED BMP FIRST.
- GRADE SITE, IF POSSIBLE, TO PERMIT THE USE OF EQUIPMENT FOR APPLYING AND ANCHORING MULCH.
- LOOSEN COMPACTED SOIL, IF POSSIBLE, TO A DEPTH OF THREE (3) INCHES.
- APPLY STRAW OR HAY UNIFORMLY, AS SHOWN IN TABLE 1, BY HAND, AND ANCHOR BY PRESSING INTO SOIL OR USE NETTING.
- MULCH ON SLOPES GREATER THAN 3% SHOULD BE ANCHORED WITH EMULSIFIED ASPHALT (GRADE AS A OR DS-1) OR OTHER SUITABLE TACKIFIER.
- WOOD WASTE ON SLOPES FLATTER THAN 3:1 DO NOT NEED ANCHORING.

MATERIALS

MATERIAL	RATE	DEPTH
STRAW OR HAY	2 1/2 TON/ACRE	4" TO 10"
WOOD WASTE, CHIPS, SAWDUST, BARK	6 TO 9 TON/ACRE	2" TO 10"
CUTBACK ASPHALT	1200 GAL/ACRE OR 140 GAL/SQ. YD.	---
POLYETHYLENE NETTING	SECURE WITH SOIL ANCHORS, WEIGHTS, ETC.	---
EMULSIFIED ASPHALT	SEE MANUFACTURER'S RECOMMENDATIONS	---
TACKIFIER	SEE MANUFACTURER'S RECOMMENDATIONS	---

Ds2 Disturbed Area Stabilization (With TEMPORARY VEGETATION)

DEFINITION
ESTABLISH TEMPORARY VEGETATIVE COVER WITH FAST GROWING SEEDINGS ON DISTURBED OR DENuded AREAS.

CONDITIONS
THIS PRACTICE IS APPLICABLE TO AREAS SUBJECT TO EROSION FOR UP TO TWELVE MONTHS OR UNTIL THE ESTABLISHMENT OF FINISHED GRADE OR PERMANENT VEGETATIVE COVER. TEMPORARY VEGETATIVE MEASURES SHOULD BE COORDINATED WITH PERMANENT MEASURES TO ASSURE ECONOMIC AND EFFECTIVE STABILIZATION.

SPECIFICATIONS

- GRAZING AND SHARPING
- EXCESSIVE WATER RUN-OFF MUST BE CONTROLLED BY PLANNED AND INSTALLED EROSION CONTROL PRACTICES SUCH AS CLOSED DRAINS, DITCHES, DIVERSIONS, SEDIMENT BASINS AND ROLLWAYS.
- NO SHARPING OR GRADING IS REQUIRED IF SLOPES CAN BE STABILIZED BY HAND-SEEDING OR CONVENTIONAL SEEDING EQUIPMENT IS TO BE USED.
- SEEDING PREPARATION
- WHEN HYDRAULIC SEEDING IS USED, SEEDING PREPARATION IS NOT REQUIRED.
- WHEN USING CONVENTIONAL OR HAND SEEDING, SEEDING PREPARATION IS NOT REQUIRED IF THE SOIL MATERIAL IS LOOSE AND NOT SEALED BY RAINFALL.
- WHEN SOIL HAS BEEN SEALED BY RAINFALL OR COBSETS OF SMOOTH UNDISTURBED SOIL SLOPES, THE SOIL SHALL BE FITTED, TRENCHED OR OTHERWISE SCARRIFIED TO PROVIDE A PLACE FOR SEED TO LODGE AND GERMINATE.

SEEDING RATES FOR TEMPORARY SEEDING

SPECIES	Rate Per 1,000 sq. ft.	Rate Per Acre*	Planting Dates**
Rye	3.5 pounds	3 lbs.	9/1-3/1
Hydragrass	0.9 pound	40 lbs.	8/15-4/1
Annual Leptocladia	0.9 pound	40 lbs.	1/15-5/15
Woolgrass	0.1 pound	4 lbs.	2/15-6/15
Sustagrass	1.4 pounds	60 lbs.	3/1-6/1
Bromopast	0.9 pound	40 lbs.	4/1-7/15
Millet	0.9 pound	40 lbs.	8/15-2/1

Ds3 Disturbed Area Stabilization (With PERMANENT VEGETATION)

DEFINITION
ESTABLISH PERMANENT VEGETATIVE COVER ON HIGHLY ERODIBLE OR CRITICALLY ERODING AREAS.

CONDITIONS
THESE AREAS USUALLY CANNOT BE STABILIZED BY ORDINARY CONSERVATION TREATMENT AND MANAGEMENT AND IF LEFT UNTREATED CAN CAUSE SEVERE EROSION SEDIMENT DAMAGE. APPLICABLE AREAS ARE THOSE WHERE VEGETATION IS DIFFICULT TO ESTABLISH BY USUAL PLANTING METHODS.

SPECIFICATIONS

- GRAZING AND SHARPING
- EXCESSIVE WATER RUN-OFF MUST BE CONTROLLED BY PLANNED AND INSTALLED EROSION CONTROL PRACTICES SUCH AS CLOSED DRAINS, DITCHES, DIVERSIONS, SEDIMENT BASINS AND ROLLWAYS.
- NO SHARPING OR GRADING IS REQUIRED IF SLOPES CAN BE STABILIZED BY HAND-SEEDING OR CONVENTIONAL SEEDING EQUIPMENT IS TO BE USED.
- SEEDING PREPARATION
- WHEN HYDRAULIC SEEDING IS USED, SEEDING PREPARATION IS NOT REQUIRED.
- WHEN USING CONVENTIONAL OR HAND SEEDING, SEEDING PREPARATION IS NOT REQUIRED IF THE SOIL MATERIAL IS LOOSE AND NOT SEALED BY RAINFALL.
- WHEN SOIL HAS BEEN SEALED BY RAINFALL OR COBSETS OF SMOOTH UNDISTURBED SOIL SLOPES, THE SOIL SHALL BE FITTED, TRENCHED OR OTHERWISE SCARRIFIED TO PROVIDE A PLACE FOR SEED TO LODGE AND GERMINATE.

SEEDING RATES FOR PERMANENT SEEDING

SPECIES	Rate Per 1,000 sq. ft.	Rate Per Acre*	Planting Dates**
Bahia	1.4 pounds	60 lbs.	1/1-2/31
Bermudagrass	0.2 pound	10 lbs.	2/15-7/1
Centopella	Black Seed Only	Black Seed Only	4/1-7/1
Leptocladia	1.7 pounds	75 lbs.	1/1-12/31
Woolgrass	0.1 pound	4 lbs.	2/1-6/15
Switagrass	0.9 pound	40 lbs.	3/15-6/1

Du DUST CONTROL
DUST CONTROL ON DISTURBED AREAS

DEFINITION
CONTROL SURFACE AND AIR MOVEMENT OF DUST ON CONSTRUCTION SITES, ROADS, AND DEMOLITION SITES.

PURPOSE

- TO PREVENT SURFACE AND AIR MOVEMENT OF DUST FROM EXPOSED SOIL SURFACES.
- TO REDUCE THE PRESENCE OF AIRBORNE SUBSTANCES THAT MAY BE HARMFUL OR IRRITANT TO HUMAN HEALTH, WELFARE, OR SAFETY, OR TO ANIMALS OR PLANT LIFE.

CONDITIONS
THIS PRACTICE IS APPLICABLE TO AREAS SUBJECT TO SURFACE AND AIR MOVEMENT OF DUST WHERE ON AND OFF-SITE DAMAGE MAY OCCUR WITHOUT TREATMENT.

METHOD AND MATERIALS

- TEMPORARY METHODS
- MULCHES: SEE STANDARD DS1 - DISTURBED AREA STABILIZATION (WITH MULCHING ONLY). SYNTHETIC RESINS MAY BE USED INSTEAD OF ASPHALT TO BIND MULCH MATERIAL. REFER TO SPECIFICATION TAC - TACKIFIERS, RESINS SHOULD BE USED ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.
- VEGETATIVE COVER: SEE SPECIFICATION DS2 - DISTURBED AREA STABILIZATION (WITH TEMPORARY SEEDING).
- SPRAY-ON ADHESIVES: THESE ARE USED ON MINERAL SOILS NOT EFFECTIVE ON MUCK SOILS. KEEP TRAFFIC OFF THESE AREAS. REFER TO SPECIFICATION TAC - TACKIFIERS, APPLICATION RATES SHALL CONFORM TO MANUFACTURER'S GUIDELINES FOR APPLICATION.
- TILLAGE: THIS PRACTICE IS DESIGNED TO ROCKEN AND BRING CLODS TO THE SURFACE. IT IS AN EMERGENCY MEASURE THAT SHOULD BE USED BEFORE WIND EROSION STARTS. BEGIN FLOWING ON WINDWARD SIDE OF SITE. CHISEL-TYPE FLOWS SPACED ABOUT 12 INCHES APART. SPRING-TOOTHED HARROWS, AND SIMILAR FLOWS ARE EXAMPLES OF EQUIPMENT THAT MAY PRODUCE THE DESIRED EFFECT.
- BRICKLICK: THIS IS GENERALLY DONE AS AN EMERGENCY TREATMENT. SITE IS SPRINKLED WITH WATER UNTIL THE SURFACE IS WET. REPEAT AS NEEDED.
- BARRIERS: SOLID BOARD FENCES, SNOOWENCES, BURLAP FENCES, CRATE WALLS, BALES OF HAY AND SIMILAR MATERIAL CAN BE USED TO CONTROL AIR CURRENTS AND SOIL BLOWING. BARRIERS PLACED AT RIGHT ANGLES TO PREVAILING CURRENTS AT INTERVALS OF ABOUT 15 TIMES THEIR HEIGHT ARE EFFECTIVE IN CONTROLLING WIND EROSION.
- CALCIUM CHLORIDE: APPLY AT RATE THAT WILL KEEP SURFACE MOIST. MAY NEED RETREATMENT.
- PERMANENT METHODS
- PERMANENT VEGETATION: SEE SPECIFICATION DS3 - DISTURBED AREA STABILIZATION (WITH PERMANENT VEGETATION). EXISTING TREES AND LARGE SHRUBS MAY PROVIDE VALUABLE PROTECTION IF LEFT IN PLACE.
- TOPSOLING: THIS ENTAILS COVERING THE SURFACE WITH LESS ERODIBLE SOIL MATERIAL. SEE SPECIFICATION TP - TOPSOLING.
- STONE: COVER SURFACE WITH CRUSHED STONE OR COARSE GRAVEL. SEE SPECIFICATION OR CONSTRUCTION ROAD STABILIZATION.

INNER PERIMETER UTILITIES EXTENSIONS
CITY OF VALDOSTA, LOWNDEN COUNTY, GA
LAND LOT 127 OF THE 11TH LAND DISTRICT

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SHEET 18 OF 18
PROJECT NUMBER 1876