

CITY of TAMPA



Mobility Department
Stormwater Engineering Division

PLANS FOR
WOODMERE & LOIS AVENUE
DRAINAGE IMPROVEMENTS

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Contract No.
25-C-00041

Yuan Li, P.E. #66595
CHIEF ENGINEER

No. DATE REVISIONS

No. DATE REVISIONS

DES: SEB

DRN: 22

CKD: JDM

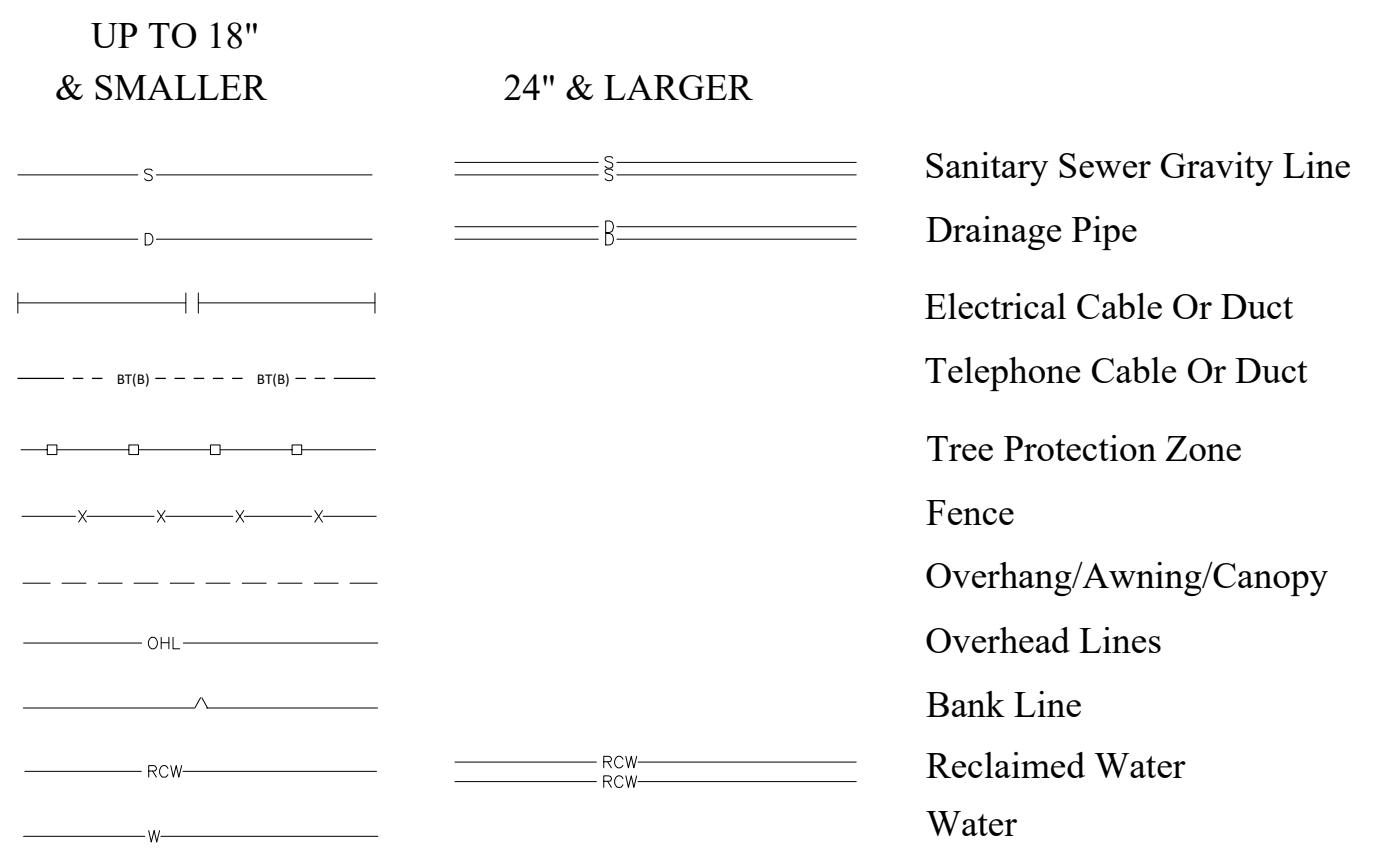
DATE: 05/21/25

CITY of TAMPA
Mobility Department
Stormwater Engineering Division

COVER SHEET

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LEGEND:



CONTROL POINTS								
Point	Station	Offset	Alignment	Northing	Easting	Elev	Description	
101	11+54.74	386.26 LT	SRL1	1311409.43	489505.08	6.00	Set 1/2" Iron Rod GFY	
102	12+12.29	9.03 LT	SRL1	1311031.60	489558.23	5.84	Set Nail & Disk GFY	
103	16+42.75	24.37 LT	SRL1	1311041.90	489988.84	8.97	Set 1/2" Iron Rod GFY	
104	21+33.75	1.39 LT	SRL2	1311007.62	490168.63	13.85	Set 1/2" Iron Rod GFY	
105	25+16.92	39.63 RT	SRL2	1311390.17	490215.01	13.76	Set 1/2" Iron Rod GFY	
106	27+40.81	21.02 LT	SRL2	1311614.90	490157.51	10.88	Set 1/2" Iron Rod GFY	
107	25+75.81	223.64 LT	SRL2	1311452.74	489952.60	7.95	Set Nail & Disk GFY	
108	22+90.73	5.57 RT	SRL2	1311164.49	490177.79	13.74	Set 1/2" Iron Rod GFY	
109	18+19.73	177.04 RT	SRL1	1310838.42	490163.46	15.05	Set 1/2" Iron Rod GFY	
110	10+00.00	0.00 RT	SRL1	1311025.00	489345.85	N/A	Set 1/2" Iron Rod GFY	
111	20+00.00	0.00 RT	SRL1	1311013.35	490345.78	N/A	Set 1/2" Iron Rod GFY	
112	20+00.00	0.00 RT	SRL2	1310873.86	490168.14	N/A	Set 1/2" Iron Rod GFY	
113	30+00.00	0.00 RT	SRL2	1311873.76	490182.16	N/A	Set 1/2" Iron Rod GFY	

ALIGNMENT						
NAME	STREET	STATION	NORTHING	EASTING	BEARING	DISTANCE
SRL1	W. DALE AVE	10+00.00	1311025.00	489345.85	S 89°19'55" E	1000.00'
		20+00.00	1311013.35	490345.78		
SRL2	S. LOIS AVE	20+00.00	1310873.86	490168.14	N 00°48'12" E	1000.00'
		30+00.00	1311873.76	490182.16		

WATER VALVES

NAME	STA	OFF	ALIGNMENT	TYPE	RIM	NUT
V-1	11+50.30	42.14' LT	SRL1	POTABLE	5.66'	3.93"
V-2	11+89.49	60.24' LT	SRL1	RECLAIMED	5.74"	4.65"
V-3	11+93.20	66.53' LT	SRL1	RECLAIMED	5.74"	5.74"
V-4	12+00.28	10.53' LT	SRL1	POTABLE	5.73"	4.68"
V-5	18+28.32	10.53' RT	SRL1	POTABLE	13.04"	13.62"
V-6	18+75.73	16.76' LT	SRL1	POTABLE	13.96"	11.83"
V-7	18+99.82	30.57' LT	SRL1	RECLAIMED	14.66"	10.97"
V-8	19+01.18	25.77' LT	SRL1	RECLAIMED	14.74"	11.41"
V-9	24+87.59	7.48' RT	SRL2	POTABLE	13.59"	13.44"
V-10	25+03.91	48.82' RT	SRL2	POTABLE	13.22"	11.33"
V-11	27+53.85	45.00' RT	SRL2	RECLAIMED	13.08"	10.62"
V-12	28+04.77	58.80' LT	SRL2	RECLAIMED	10.09"	8.21"
V-13	28+04.80	53.41' LT	SRL2	RECLAIMED	10.87"	8.97"
V-14	28+57.58	6.26' LT	SRL2	POTABLE	11.44"	10.41"
V-15	28+57.40	6.25' RT	SRL2	POTABLE	11.75"	10.88"
V-16	28+53.01	48.80' RT	SRL2	RECLAIMED	12.19"	9.96"

EX. DRAINAGE STRUCTURES

EX. SANITARY STRUCTURES

D-17
DRAINAGE MANHOLE
STA 27+59.17 23.21' LT SRL2
TOP ELEV=10.52
30" ERCP INV(SW)=4.18
18" ERCP INV(NW)=4.34
18" RCP INV(SE)=4.60

S-4
SANITARY MANHOLE
STA 18+45.82 18.35' LT SRL1
TOP ELEV=13.69
8" VCP INV(W)=6.08
8" VCP INV(E)=6.49
8" VCP INV(SE)=10.08
8" VCP INV(SSE)=6.35

D-18
DRAINAGE MANHOLE
STA 27+38.74 26.07' RT SRL2
TOP ELEV=12.00
18" RCP(NW)=4.75
18" RCP(S)=5.88
15" RCP(E)=7.75

S-5
SANITARY MANHOLE
STA 23+19.90 20.30' RT SRL2
TOP ELEV=13.52
8" VCP INV(N)=9.45

D-19
CURB INLET W/ MANHOLE
STA 27+38.97 37.23' RT SRL2
TOP ELEV=12.41
15" RCP INV(W)=8.23

S-6
SANITARY MANHOLE
STA 24+96.14 19.81' RT SRL2
TOP ELEV=13.24
8" VCP INV(S)=8.61
8" VCP INV(N)=8.75
8" VCP INV(E)=8.66

D-20
CURB INLET W/ MANHOLE
STA 28+10.83 63.89' RT SRL2
TOP ELEV=12.83
THROAT ELEV=11.78
18" RCP INV(N)=7.30
18" RCP INV(NW)=7.27

S-7
SANITARY MANHOLE
STA 28+25.86 30.06' RT SRL2
TOP ELEV=11.60
PIPES NOT VERIFIED
DUE TO EXCESSIVE TRAFFIC

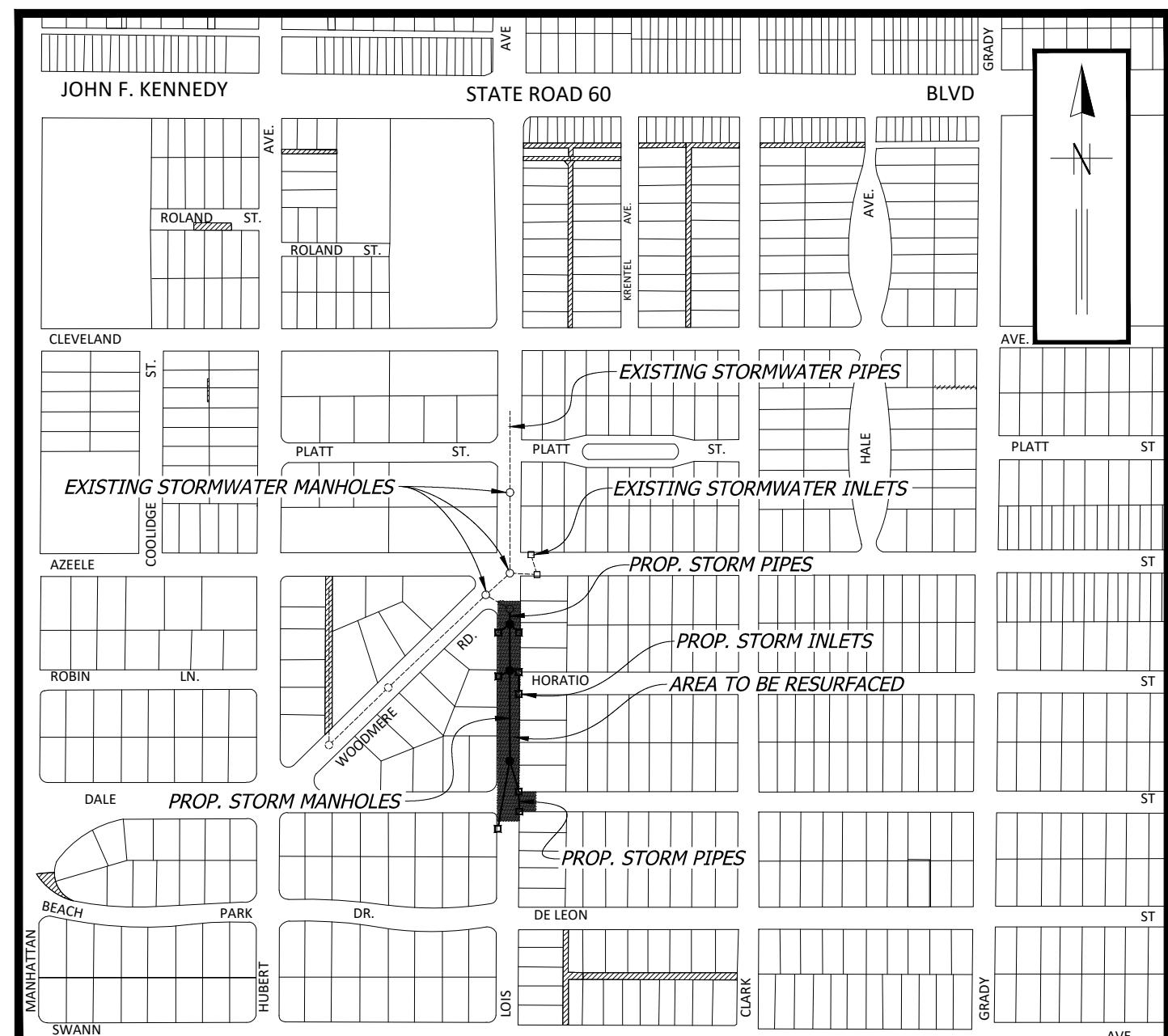
D-21
CURB INLET W/ MANHOLE
STA 28+40.39 71.33' RT SRL2
TOP ELEV=12.85
THROAT ELEV=11.96
18" RCP INV(S)=7.61

S-8
SANITARY MANHOLE
STA 28+25.95 18.65' RT SRL2
TOP ELEV=11.46
PIPES NOT VERIFIED
DUE TO EXCESSIVE TRAFFIC

D-22
DRAINAGE MANHOLE
STA 28+18.55 25.52' RT SRL2
TOP ELEV=11.53
PIPES NOT VERIFIED
DUE TO EXCESSIVE TRAFFIC

S-9
DRAINAGE MANHOLE
STA 28+17.84 43.82' RT
TOP ELEV=11.82
PIPES NOT VERIFIED
DUE TO EXCESSIVE TRAFFIC

D-23
DRAINAGE MANHOLE
STA 28+17.84 43.82' RT
TOP ELEV=11.82
PIPES NOT VERIFIED
DUE TO EXCESSIVE TRAFFIC



PROJECT LOCATION MAP

NOT TO SCALE

No.	DATE	REVISIONS	No.	DATE	REVISIONS	DES:	SEB	DRN:	JBB	CKD:	JDM	DATE:	05/21/25	CITY of TAMPA	WOODMERE & LOIS AVENUE	SHEET
3			6													
2			5													
1			4													

GENERAL NOTES

1. ELEVATIONS SHOWN HEREON ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88) AND UTILIZE CITY OF TAMPA BENCHMARK HV-02 0072, HAVING AN ELEVATION OF 13.855'; NAVD 88.

2. REFERENCE SURVEY: TOPOGRAPHIC SURVEY PREPARED BY GEORGE F. YOUNG, INC. DATED FEBRUARY 8, 2023.

3. BEARINGS AND COORDINATES SHOWN HEREON ARE BASED ON THE FLORIDA STATE PLANE COORDINATE SYSTEM, WEST ZONE AS REFERENCED TO THE NORTH AMERICAN DATUM 1983, ADJUSTMENT OF 2011, NAD83(2011) AND ARE SHOWN IN US SURVEY FEET.

4. STATIONS AND OFFSETS GIVEN ARE TO THE CENTER LINE OF THE INLETS AND MANHOLES AND REFER TO THE SURVEY BASE LINE.

5. THE CONTRACTOR SHALL CALL SUNSHINE (1-800-432-4770) AT LEAST 72 HOURS PRIOR TO ANY CONSTRUCTION ACTIVITIES.

6. PRIOR TO ANY CONSTRUCTION, CONTACT TAMPA ELECTRIC COMPANY (PH: 813-228-4111 OR 813-275-3037) FOR EXACT LOCATION OF UNDERGROUND LINES. TECO TO RELOCATE ANY CONFLICTING LINES.

7. PRIOR TO ANY CONSTRUCTION, CONTACT TECO GAS (813-275-3743) FOR EXACT LOCATION OF UNDERGROUND LINES. TECO GAS TO RELOCATE ANY CONFLICTING LINES.

8. PRIOR TO ANY CONSTRUCTION, CONTACT VERIZON (813-978-2164) FOR EXACT LOCATION OF UNDERGROUND LINES. VERIZON TO RELOCATE ANY CONFLICTING LINES.

9. THE SOLID WASTE DEPARTMENT (813-348-1146) IS TO BE NOTIFIED PRIOR TO ANY STREET CLOSURES IN THE PROJECT AREA.

10. THE CONTRACTOR SHALL MAINTAIN COPIES OF ALL APPLICABLE PERMITS ON-SITE AND SHALL BE RESPONSIBLE TO ADHERE TO ALL PERMIT CONDITIONS DURING CONSTRUCTION.

11. ALL IMPROVEMENTS WITHIN PUBLIC RIGHTS-OF-WAY SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE BEST PRACTICES OF THE INDUSTRY AND IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS, AND THE LATEST EDITION OF CITY OF TAMPA TECHNICAL STANDARDS, FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, THE FDOT ROADWAY AND TRAFFIC DESIGN STANDARD INDEXES, AND THE FDOT UTILITY ACCOMMODATION MANUAL OR IN ACCORDANCE WITH THE REQUIREMENTS OF THE STATE OR LOCAL AUTHORITY HAVING JURISDICTION OVER THE RIGHT-OF-WAY, AS APPLICABLE.

CONSTRUCTION NOTES:

1. WHERE CONNECTIONS TO EXISTING DRIVES AND WALKS ARE NOT INDICATED ON THE PLANS, PROPER CONNECTIONS SHALL BE MADE AT THE DIRECTION OF THE ENGINEER.

2. STREET SIGNS, STREET MARKERS AND R-O-W MARKERS SHALL BE REMOVED AND RELOCATED AS DIRECTED BY THE ENGINEER.

3. CONTRACTOR SHALL RAISE OR LOWER EXISTING MANHOLE FRAME AND COVER TO MATCH PROPOSED GRADE AS REQUIRED. COST TO BE INCLUDED IN OTHER PAY ITEMS.

4. SEWER SERVICE LATERALS FOUND TO BE IN CONFLICT WITH THE WORK SHALL BE REMOVED AND REPLACED IN ACCORDANCE WITH THE CITY OF TAMPA WASTEWATER DEPARTMENT REQUIREMENTS.

5. DRIVEWAYS SHALL BE RECONSTRUCTED IN ACCORDANCE WITH CHAPTER 25 OF THE CITY CODE AND THE TRANSPORTATION TECHNICAL MANUAL. DEVIATION FROM ESTABLISHED STANDARDS SHALL BE APPROVED BY THE CITY TRAFFIC ENGINEER.

6. THE CONTRACTOR SHALL PROTECT ALL TREES IN THE VICINITY OF THE PROPOSED CONSTRUCTION IN ACCORDANCE WITH CHAPTER 13 OF THE CITY OF TAMPA CODE. NO TREES SHALL BE PRUNED WITHOUT PRIOR APPROVAL FROM THE CITY OF TAMPA PARKS & RECREATION DEPARTMENT, NATURAL RESOURCES DIVISION, AND SHALL BE WITNESSED OR PERFORMED BY A CERTIFIED ARBORIST. ROOT PRUNING MAY BE REQUIRED AT CERTAIN LOCATIONS AND SHALL BE COMPLETED IN ACCORDANCE WITH CHAPTER 13 TECHNICAL MANUAL SPECIFICATIONS.

7. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS ON ALL PRECAST AND MANUFACTURED ITEMS TO THE ENGINEER FOR APPROVAL. FAILURE TO OBTAIN APPROVAL BEFORE INSTALLATION MAY RESULT IN REMOVAL AND REPLACEMENT AT CONTRACTOR'S EXPENSE.

8. COMPACTION FOR PIPE BACKFILL SHALL COMPLY WITH AASHTO T-99 (100%).

9. THE CONTRACTOR SHALL PERFORM ALL CONSTRUCTION BY THE LINES AND GRADES SHOWN ON THE PLANS AND TO TOLERANCES STATED HEREIN OR IN THE SPECIFICATIONS. REFER TO THE BOUNDARY AND/OR TOPOGRAPHIC SURVEY FOR ADDITIONAL INFORMATION ON EXISTING CONDITIONS. AN ELECTRONIC CADD DRAWING OF THE EXISTING SURVEY DATA AND OF THE PROPOSED SITE IMPROVEMENTS IS AVAILABLE AND MAY BE USED FOR CONVENIENCE IN LAYOUT OF THE WORK. HOWEVER, USE OF THIS ELECTRONIC FORMAT IS AT THE CONTRACTOR'S SOLE RESPONSIBILITY AS ALL WORK MUST BE IN ACCORDANCE WITH THE CONTRACT DOCUMENTS FOR THE PROJECT. THE ACCURACY OF THESE FILES SHALL BE CHECKED AND VERIFIED BY THE USER. ANY DISCREPANCIES ARE TO BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE USE OF THIS INFORMATION.

10. ALL GRADING OF SIDEWALKS AND PEDESTRIAN WALKWAYS SHALL MEET MINIMUM 'ADA' STANDARDS. SIDEWALK CROSS SLOPES AND DRIVEWAY CROSSINGS FOR SIDEWALKS TO BE 2.0% MAX. SLOPE. ALL SIDEWALK RUNNING SLOPES SHALL NOT EXCEED 5% WITHOUT USE OF PROPER RAMPS FOR FDOT OR FLORIDA BUILDING CODE. CONTRACTOR SHALL FIELD-VERIFY SIDEWALK FORM BOARDS PRIOR TO CONSTRUCTING WALKWAYS.

11. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ALL HORIZONTAL AND VERTICAL CONTROL MARKERS, RIGHT-OF-WAY AND PROPERTY CORNERS (MONUMENTS, PIPES, ETC.) FOR THE DURATION OF CONSTRUCTION. MARKERS SHALL BE CONTINUOUSLY FLAGGED AND SHALL BE RESET IMMEDIATELY BY A FLORIDA LICENSED LAND SURVEYOR IF ANY SHOULD BECOME DISTURBED.

12. THE CONTRACTOR SHALL INCLUDE THE COST OF SHEETING AND/OR TRENCH BOX IN THE LINEAR COST OF PIPE. THE CONTRACTOR SHALL COMPLY WITH THE REQUIREMENTS OF THE FLORIDA TRENCH SAFETY ACT, CHAPTER 553.

13. UTILIZE A TRAFFIC SIGNAL SPECIALTY SUBCONTRACTOR TO HANDLE ALL TRAFFIC SIGNAL WORK. COORDINATE WITH THE CITY OF TAMPA'S SIGNAL MAINTENANCE SHOP STAFF TO ADJUST SIGNAL TIMING AS NEEDED TO MAINTAIN PROPER TRAFFIC SIGNAL OPERATIONS AT THE INTERSECTION OF WOODMERE AND LOIS DURING THE ROAD CLOSURE.

14. THE CONTRACTOR SHALL ENDEAVOR TO PROTECT ALL ADJACENT IMPROVEMENTS WITHIN THE PROJECT AREA AND REPLACE ALL PAVEMENT, STABILIZED EARTH, DRIVEWAYS, SIDEWALKS, RETAINING WALLS, MAILBOXES, TRAFFIC SIGNS, ETC. REMOVED OR DAMAGED DURING CONSTRUCTION WITH THE SAME MATERIAL REMOVED OR DAMAGED OR AS OTHERWISE DIRECTED BY THE ENGINEER.

15. ALL AREAS DISTURBED DURING CONSTRUCTION (EXCEPT LANDSCAPE BEDS), SHALL BE SODDED TO PROVIDE A RESTORATION THAT IS FULLY GRASSED AT SUBSTANTIAL COMPLETION. CONTRACTOR IS RESPONSIBLE FOR CONTROLLING SITE EROSION AND SHALL PROVIDE ADDITIONAL SOD, SOD STAKING AND SHALL FILL, LEVEL, REPAIR AND RE-GRASS ALL ERODED OR DEAD AREAS AS NECESSARY, TO ACHIEVE AN EROSION-FREE RESTORATION AREA (FREE FROM RUTTING, ETC.) TO THE LINES & GRADES SHOWN HEREIN UPON FINAL ACCEPTANCE. SOD SHALL BE 95% WEED-FREE ARGENTINE BAHIA UNLESS OTHERWISE INDICATED OR OTHERWISE REQUIRED TO MATCH EXISTING SOD TYPE AND SHALL BE INSTALLED AND MAINTAINED IN ACCORDANCE WITH FDOT SPECIFICATION SECTION 570, AS APPLICABLE, INCLUDING THE INITIAL ROLLING TO FULLY SEAT SOD TO THE SUBGRADE AND ELIMINATE IRREGULAR SURFACE.

16. REPAIR AND REPLACEMENT OF ALL PRIVATE AND PUBLIC PROPERTY Affected BY THIS WORK SHALL BE RESTORED TO A CONDITION EQUAL TO OR BETTER THAN EXISTING UNLESS SPECIFICALLY EXEMPTED BY THE PLANS.

17. CONTRACTOR SHALL RESTORE ALL NEIGHBORING RESIDENTIAL YARDS WITH LIKE KIND OF LANDSCAPING, MAILBOXES, WALK WAYS, DRIVEWAYS, ETC. EACH YARD SHALL BE RESTORED TO EXISTING CONDITIONS UP TO AND INCLUDING FROM BACK OF CURB TO RIGHT OF WAY LINE.

18. THE CONTRACTOR SHALL CONTACT THE ENGINEER'S OFFICE IMMEDIATELY ON ANY CONFLICTS ARISING DURING CONSTRUCTION OF ANY IMPROVEMENTS SHOWN ON THESE DRAWINGS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO CONSULT WITH THE ENGINEER FOR MAKING ANY AND ALL REQUIRED INTERPRETATIONS OF THE PLANS. HOWEVER, THIS IN NO WAY RELIEVES THE CONTRACTOR OF HIS RESPONSIBILITY FOR CONSTRUCTING THE PROJECT TO ACCOMPLISH THE INTENT OF THE PLANS.

19. SUBSURFACE SHALL BE FREE FROM TROWEL OR MACHINE MARKS. SURFACE VARIATIONS SHALL NOT EXCEED 1/4 INCH UNDER TEN-FOOT (10') STRAIGHT EDGE.

20. CONTRACTOR TO PROTECT EXISTING PRIVATE FENCES DURING CONSTRUCTION OR REPLACE IN LIKE KIND.

21. ALL STORM SEWER PIPES SHALL BE REINFORCED CONCRETE PIPE (RCP), MINIMUM CLASS III, UNLESS OTHERWISE NOTED. DRAINAGE INLET STRUCTURES SHALL BE PRECAST AND CONSTRUCTED IN ACCORDANCE WITH THE CITY OF TAMPA TECHNICAL STANDARDS AND STANDARD DETAILS. CAST-IN-PLACE OR PRECAST JUNCTION BOXES OR MANHOLES SHALL BE CONSTRUCTED IN ACCORDANCE WITH FDOT ROADWAY AND TRAFFIC DESIGN STANDARDS.

22. UPON FINAL PAVEMENT RESTORATION, RE-STRIPE ROAD CENTERLINE TO EXISTING. COST SHALL BE INCLUDED IN OTHER PAY ITEMS.

23. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SUPPLYING A RECORD SURVEY(S) PREPARED AND SUBMITTED BY A LICENSED PROFESSIONAL SURVEYOR AND MAPPER INCLUDING, BUT NOT LIMITED TO, LOCATION AND FINISHED GRADE ELEVATIONS SUFFICIENT TO DETERMINE DIRECTION OF DRAINAGE AND ELEVATIONS OF RETENTION/DETENTION AREAS, MITIGATION AREAS AND DITCH/CHANNEL CONVEYANCES INCLUDING TOPS OF BANKS, TOES OF SLOPES, POND BOTTOMS AND WATER LEVELS; ELEVATIONS AND DIMENSIONS OF POND CONTROL STRUCTURES, SPILLWAYS, SKIMMERS/BAFFLES, SUMPS AND UNDERDRAINS; TIES TO WATER LINES, VALVES, BENDS, SERVICE CONNECTIONS; WATER LINE ELEVATIONS AND CLEARANCES FROM SANITARY AND STORM SEWER PIPES; TIES TO SANITARY SEWER LINES, CLEANOUTS AND SERVICE CONNECTIONS; MANHOLE RIM AND INVERT ELEVATIONS; TIES TO STORM SEWER LINES AND STORM STRUCTURE TOP AND INVERT ELEVATIONS; PLUS LOCATIONS, DIMENSIONS AND ELEVATIONS OF ALL OTHER CONSTRUCTION COMPONENTS WHICH VARY FROM THE DESIGN, TIES TO UNDERGROUND UTILITIES SHALL BE DIMENSIONED FROM PERMANENT ABOVE GROUND STRUCTURES (BUILDINGS, WALKS, POLES, MANHOLES, VALVE BOXES, ETC.) FOUR COPIES OF THE SIGNED AND SEALED RECORD SURVEY AND ONE COPY OF THE SURVEY IN AUTOCAD (.DWG) FORMAT SHALL BE PROVIDED. A RECORD SURVEY DEPICTING THE AS-BUILT CONDITION OF ONLY WATER AND SEWER UTILITIES SHALL BE PROVIDED IF THESE UTILITIES ARE TO BE PLACED IN SERVICE PRIOR TO CLOSEOUT OF THE PROJECT.

UTILITIES:

1. LOCATIONS, ELEVATIONS AND DIMENSIONS OF THE EXISTING UTILITIES, STRUCTURES AND OTHER FEATURES ARE SHOWN ACCORDING TO THE BEST INFORMATION AVAILABLE AT THE TIME OF THE PREPARATION OF THESE PLANS BUT DO NOT PURPORT TO BE ABSOLUTELY CORRECT. THE CONTRACTOR SHALL VERIFY THE LOCATIONS, ELEVATIONS, AND DIMENSIONS, OF ALL EXISTING UTILITIES, STRUCTURE, AND OTHER FEATURES AFFECTING HIS WORK PRIOR TO CONSTRUCTION. GAS, COMMUNICATION, WATER MAIN, WATER SERVICES, SEWER LATERALS AND OTHER SUBSURFACE PIPING HAS NOT BEEN LOCATED. ENGINEER OF RECORD SHOWS LOCATIONS AS APPROXIMATE FROM INFORMATION PROVIDED BY OTHERS.

2. WHEN IN CONFLICT, UTILITY POLES, GAS LINES, UNDERGROUND ELECTRIC, TELEPHONE AND OTHER COMMUNICATION CABLES AND CONDUIT WILL BE RELOCATED BY THE RESPECTIVE UTILITY OWNERS AT THEIR OWN EXPENSE.

3. CONTRACTOR IS TO EXERCISE CAUTION WHEN OPERATING NEAR OR ADJACENT TO EXISTING PUBLIC AND PRIVATE UTILITIES. THE CONTRACTOR SHALL VERIFY THE LOCATIONS, ELEVATIONS AND DIMENSIONS OF ALL EXISTING UTILITIES, STRUCTURES, ETC. AFFECTING HIS WORK PRIOR TO CONSTRUCTION.

4. IF UTILITY FIELD LOCATION MARKINGS ARE REQUIRED, THE CONTRACTOR SHALL COORDINATE HIS CONSTRUCTION SCHEDULE WITH ALL UTILITY COMPANIES AS WELL AS ANY Affected CITY AND COUNTY DEPARTMENTS BY PROVIDING A MINIMUM 48-HOUR NOTICE OF WHEN CONSTRUCTION WILL COMMENCE IN AN AREA IN ORDER TO PERMIT FIELD LOCATION OF UTILITY LINES PRIOR TO CONSTRUCTION. THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING SUNSHINE 811 FOR THIS PURPOSE BY DIALING 811. FURTHER, THE CONTRACTOR IS CAUTIONED THAT THE SUNSHINE 811 SYSTEM MAY NOT REVEAL ALL ON-SITE UTILITIES AND HIS FURTHER INVESTIGATION MAY BE REQUIRED. CONTRACTOR SHALL COORDINATE UTILITY RELOCATION WORK WITH Affected UTILITY OWNER(S) AND SHALL ENDEAVOR TO COORDINATE HIS OWN WORK TO AVOID DELAYS IN HIS SCHEDULE.

5. ALL UTILITIES SHALL BE KEPT IN OPERATION EXCEPT WITH THE EXPRESS WRITTEN CONSENT OF THE UTILITY OWNER. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PRESERVE EXISTING UTILITIES AND ANY AND ALL DAMAGE TO EXISTING UTILITIES AS A RESULT OF THE CONTRACTOR'S ACTIONS SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.

6. CITY OWNED UTILITIES WITHIN THE PROJECT LIMITS INCLUDE WATER, WASTEWATER, DRAINAGE AND TRAFFIC SIGNAL CABLES. ALL OTHER UTILITIES PRESENT WITHIN THE CITY OF TAMPA RIGHT-OF-WAY ARE CONSIDERED PRIVATE UTILITIES. PRIVATE UTILITIES ARE RESPONSIBLE FOR LOCATING THEIR UTILITIES PRIOR TO CONSTRUCTION AND, IF REQUIRED, RELOCATED AND/OR TEMPORARILY SUPPORTING THEIR UTILITIES TO ALLOW THE SAFE CONSTRUCTION OF THE WORK UNDER THIS CONTRACT. PRIVATE UTILITIES MUST PROVIDE THIS SERVICE WITHOUT CHARGING A FEE TO THE CITY'S CONTRACTOR/SUBCONTRACTOR.

7. COORDINATE RELOCATION, OR PROVISION OF TEMPORARY SUPPORT, OF PRIVATE UTILITIES WHEN NOTED ON PLANS "TO BE RELOCATED BY OTHERS", INCLUDE UTILITY RELOCATION TIMES IN THE PROJECT CONSTRUCTION SCHEDULE.

8. CONTRACTOR TO PROTECT EXISTING IRRIGATION SYSTEMS AND ANY OTHER UTILITIES IN RESIDENTIAL YARDS WITHIN CONSTRUCTION LIMITS AND/OR RESTORE ANY DAMAGED SYSTEMS DURING CONSTRUCTION BACK TO EXISTING CONDITIONS.

9. RELOCATION PLANS FOR POTABLE AND RECLAIMED WATER LINES SHALL BE ISSUED PRIOR TO COMMENCEMENT OF CONSTRUCTION ACTIVITIES. THE CONTRACTOR SHALL COORDINATE ALL WATER-RELATED WORK WITH THE WATER DEPARTMENT AND ITS DESIGNATED COORDINATOR TO AVOID CONFLICTS AND ENSURE PROPER SEQUENCING OF WORK.

DEMOLITION:

1. ALL INCIDENTAL PAVING, SIDEWALKS, BOLLARDS, FENCES, HEDGES, BUSHES AND OTHER APPURTENANCES WITHIN CONSTRUCTION LIMITS SHALL ALSO BE REMOVED. TREES NOT SPECIFICALLY SHOWN TO BE REMOVED SHALL BE PROTECTED WITH TREE BARRICADES FOR THE DURATION OF CONSTRUCTION. TREE LIMB OR ROOT PRUNING SHALL BE DONE IN THE PRESENCE OF A CERTIFIED ARBORIST AND IN ACCORDANCE WITH THE CITY TREE PERMIT.

2. ALL MATERIALS DEMOLISHED OR REMOVED SHALL BE REMOVED FROM THE SITE AND PROPERLY DISPOSED OF AT THE CONTRACTOR'S EXPENSE UNLESS ON-SITE USE IS OTHERWISE APPROVED.

3. NO OPEN BURNING WILL BE ALLOWED AT THE SITE UNLESS A PLAN IS APPROVED BY THE OWNER, ENGINEER AND THE APPROPRIATE REGULATORY AUTHORITY.

4. CONTRACTOR SHALL REPAIR, IN KIND, ALL ADJACENT STRUCTURES, PAVEMENTS, ETC. DAMAGED DURING DEMOLITION OR CONSTRUCTION.

ENVIRONMENTAL PROTECTION:

1. NO EXCAVATION SHALL EXTEND BELOW THE PERMITTED DESIGN DEPTHS OR ELEVATIONS SHOWN ON THE DRAWINGS UNLESS ADDITIONAL TESTING SUPPORTS SUCH OVER-EXCAVATION AND NO LOWER SEMI-CONFINING UNIT CLAYEY SOIL MATERIAL AND/OR LIMESTONE MATERIALS SHALL BE EXCAVATED REGARDLESS IF THESE MATERIALS ARE ENCOUNTERED WITHIN THE PERMITTED EXCAVATION DEPTHS OR ELEVATIONS. IF ANY LOWER SEMI-CONFINING UNIT CLAYEY SOIL MATERIALS OR LIMESTONE MATERIALS ARE ENCOUNTERED ABOVE THE PERMITTED DEPTHS OR ELEVATIONS, EXCAVATION OPERATIONS SHALL IMMEDIATELY CEASE IN THE GENERAL AREA. CONTRACTOR SHALL NOTIFY THE ENGINEER (AND SWFMD AND/OR HILLS COUNTY, E.P.C., AS APPLICABLE) PRIOR TO ANY FURTHER EXCAVATION IN THESE AREAS.

2. CONSTRUCTION SHALL BE CARRIED OUT "IN THE DRY". THE CONTRACTOR SHALL REVIEW SITE CONDITIONS AND DETERMINE METHODS AND EXTENT OF DEWATERING AND/OR BYPASSING OF FLOWS NECESSARY AND SHALL INCLUDE COSTS OF DEWATERING OR BYPASSING IN THE BID. NO ADDITIONAL COMPENSATION SHALL BE PROVIDED FOR CONTROL OF GROUND OR SURFACE WATER OR FOR ADDITIONAL MATERIALS OR REWORK REQUIRED AS A RESULT OF INADEQUATE OR INSUFFICIENT DEWATERING.

3. PRIOR TO ANY GROUNDWATER DEWATERING ACTIVITIES, CONTRACTOR SHALL OBTAIN COVERAGE UNDER THE FDEP GENERIC PERMIT FOR THE DISCHARGE OF PRODUCED GROUNDWATER FROM ANY NON-CONTAMINATED SITE ACTIVITY PURSUANT TO CHAPTER 62-621.300(2), F.A.C.

4. LIMITS OF DISTURBED OPEN CUT AREAS MAY VARY DEPENDENT UPON CONTRACTOR MEANS AND METHODS. CONSTRUCTION OPTIONS INCLUDE BUT NOT LIMITED TO INCLUDE SHEET PILING, SLOPED OPEN CUT, AND TRENCH BOX. CONSTRUCTION PLANS AND SPECS ASSUME A SLOPED OPEN CUT TRENCH.

EROSION & SEDIMENT CONTROL:

1. STAKED OR FLOATING SILT SCREENS, HAY BALES, OR OTHER APPROPRIATE BEST MANAGEMENT PRACTICES (BMPS), SHALL BE UTILIZED AS SILT BARRIERS AND PLACED IN LOCATIONS AS REQUIRED TO KEEP SEDIMENT FROM REACHING DOWNSTREAM WATERS, INCLUDING DITCHES, STORM SEWERS, WATER BODIES, WETLAND AREAS, ADJACENT PROPERTIES ON RIGHTS-OF-WAY. THESE BARRIERS SHALL BE INSTALLED PRIOR TO COMMENCING CONSTRUCTION AND SHALL BE CONSIDERED AS LIMITS OF CONSTRUCTION. PERIMETER CLEARING AND GRUBBING ALONG THE LIMITS OF CONSTRUCTION IS ALLOWED, IF NECESSARY, TO FACILITATE INSTALLATION OF SILT BARRIERS PROVIDING THAT DISTURBANCE IS THE MINIMUM WIDTH NECESSARY FOR SUCH WORK. PERIMETER BARRIERS SHALL BE FULLY INSTALLED, INCLUDING BACKFILLING IF NECESSARY, PRIOR TO ANY ADDITIONAL CLEARING AND GRUBBING OPERATIONS WITHIN THE CONSTRUCTION LIMITS.

2. TEMPORARY STOCKPILES SHALL NOT BE LOCATED ADJACENT TO STORM SEWER INLETS, DITCHES, UNDISTURBED WETLANDS OR SURFACE WATER AREAS WHERE SEDIMENTATION FROM STOCKPILES MAY CAUSE DAMAGE. ADDITIONALLY, SILT BARRIERS SHALL CONTINUOUSLY AND FULLY ENCIRCLE ALL STOCKPILES WHICH WILL REMAIN FOR LONGER THAN 24 HOURS TO CONTAIN MATERIALS WITHIN A REASONABLY CONFINED AREA.

3. OFF-SITE VEHICLE TRACKING OF SEDIMENT SHALL BE MINIMIZED BY CLEANING VEHICLE UNDERCARRIAGE AREAS OR OTHER EFFECTIVE METHODS PRIOR TO SITE DEPARTURE.

4. ALL FUGITIVE DUST SHALL BE CONTROLLED ON SITE. ONLY AREAS SCHEDULED FOR IMMEDIATE CONSTRUCTION SHALL BE CLEARED OR STRIPPED OF VEGETATION. WATERING, APPLICATION OF CALCIUM CHLORIDE OR OTHER PRIOR APPROVED MEANS OF DUST CONTROL SHALL BE EMPLOYED TO PREVENT THE EMANATION OF DUST FROM THE SITE. PERMANENT GRASSING, LANDSCAPING AND OTHER SITE WORK SHALL BE INCORPORATED AS SOON AS POSSIBLE.

5. TEMPORARY OR PERMANENT STABILIZATION BMPS SHALL BE USED AS SOON AS PRACTICABLE BUT IN NO CASE LESS THAN 14 DAYS. IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE BEEN TEMPORARILY OR PERMANENTLY CEASED, STABILIZATION BMPS MAY INCLUDE TEMPORARY SEEDING, PERMANENT SEEDING, MULCHING, GEOTEXTILES, SOD STABILIZATION, SWALE SODDING, VEGETATIVE BUFFER STRIPS, PROTECTION OF TREES, PRESERVATION OF MATURE VEGETATION, AND OTHER APPROPRIATE MEASURES.

6. CONTRACTOR SHALL USE OTHER STRUCTURAL BMPS, AS NECESSARY, TO DIVERT RUNOFF FROM EXPOSED SOILS, STORE RUNOFF AND/OR SEDIMENT ON-SITE, OR OTHERWISE LIMIT RUNOFF AND THE DISCHARGE OF POLLUTANTS FROM EXPOSED AREAS OF THE SITE.

7. CONTRACTOR SHALL INSPECT AND MAINTAIN ALL SEDIMENT AND EROSION CONTROL BMPS TO ASSURE PROPER OPERATION. INSPECTIONS SHALL OCCUR AT A MINIMUM INTERVAL OF ONCE EVERY 7 CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A STORM THAT IS 1/4-INCH OR GREATER.

8. ANY MAINTENANCE OPERATIONS NEEDED TO ASSURE PROPER OPERATION OF ALL CONTROLS, SHALL BE DONE IN A TIMELY MANNER, BUT IN NO CASE LATER THAN 7 CALENDAR DAYS FOLLOWING THE INSPECTION IN WHICH THE NEED IS IDENTIFIED.

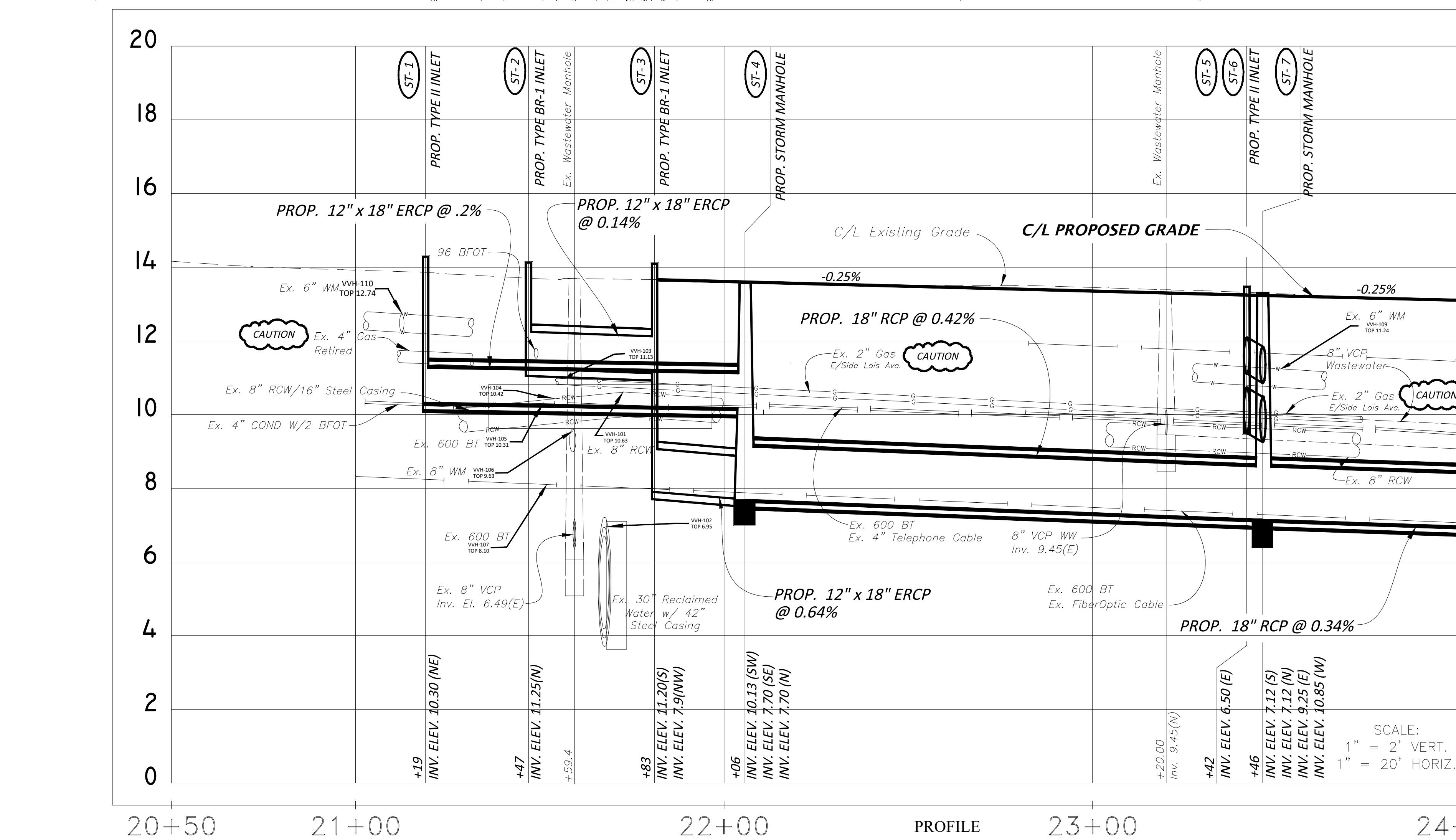
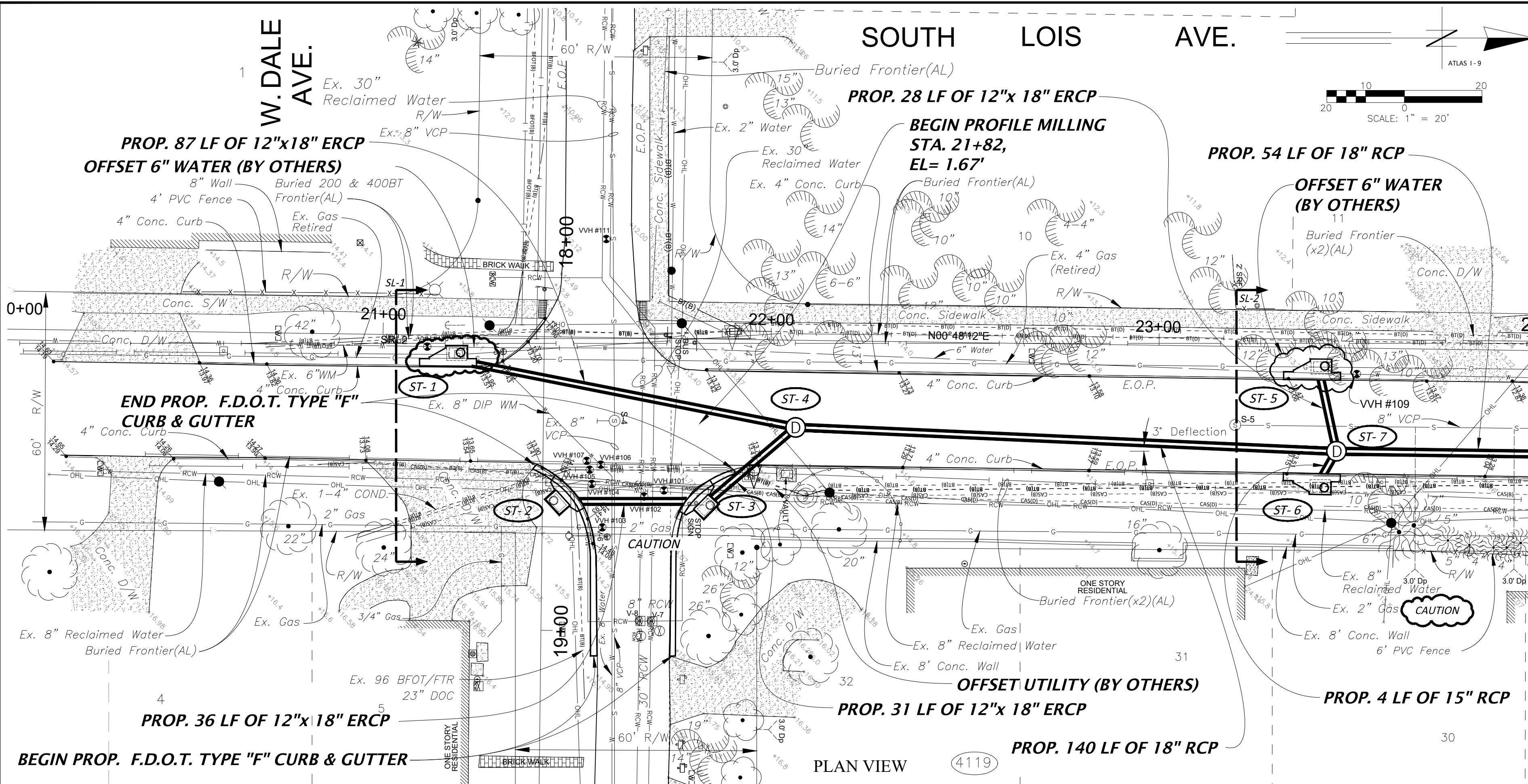
9. ONCE CONSTRUCTION IS COMPLETED AND FINISHED GRADING AND FINAL STABILIZATION HAS BEEN ACHIEVED, SILT BARRIERS SHALL BE COMPLETELY REMOVED TO THE SATISFACTION OF THE ENGINEER AND PRIOR TO FINAL ACCEPTANCE.

4. CONTRACTOR SHALL BE RESPONSIBLE FOR PULLING RIGHT-OF-WAY USE PERMIT FOR HILLSBOROUGH COUNTY IF DETERMINED ONE IS NEEDED.

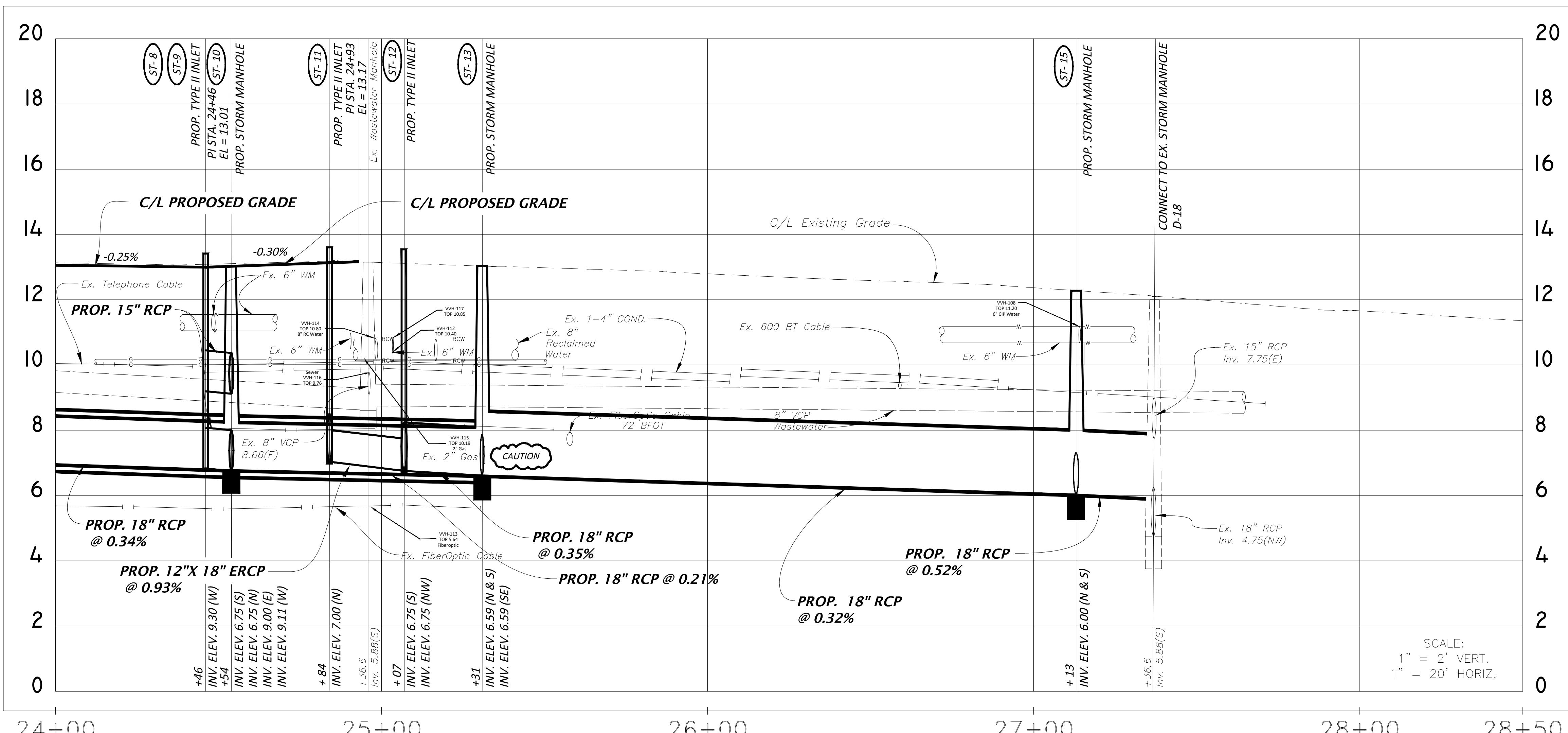
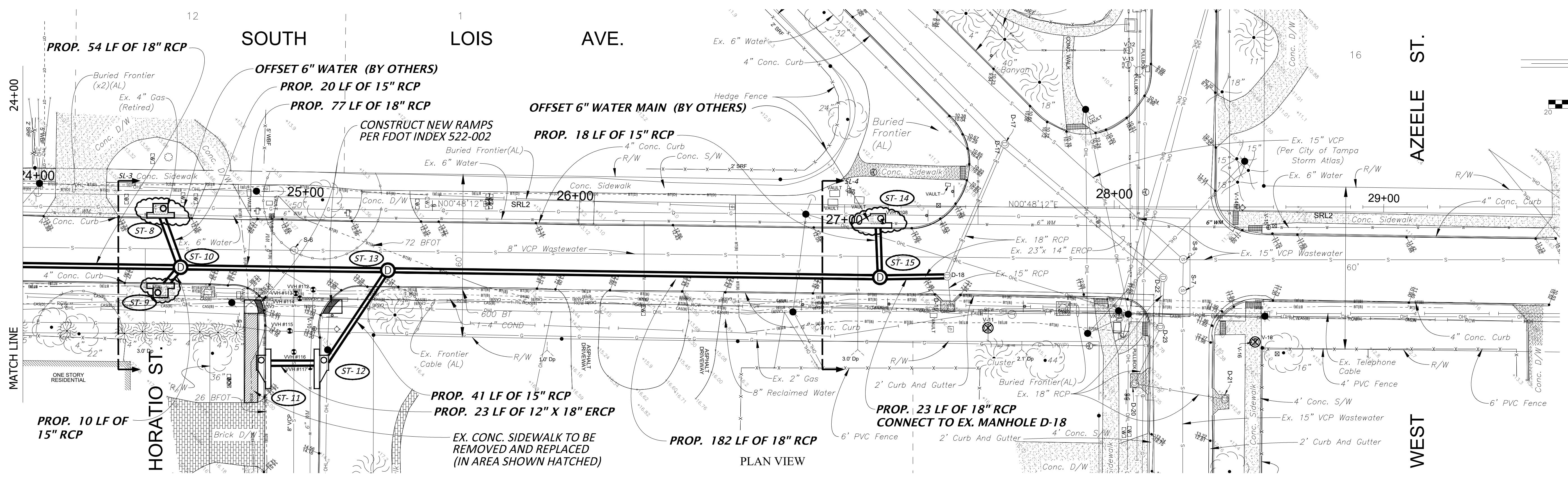
5. CONTRACTOR RESPONSIBLE FOR OBTAINING TREE REMOVAL PERMITS AND GRAND TREE REMOVAL NOTICING. CONTRACTOR RESPONSIBLE FOR ANY PERMITTING NECESSARY FOR TREE TRIMMING AND ROOT PRUNING FOR BOTH GRAND AND NON-GRAND TREES.

6. CONTRACTOR RESPONSIBLE FOR SUPPLYING ALL MOT PLANS.

7. PRIOR TO CONSTRUCTION CONTRACTOR TO RECORD LIMITS OF CONSTRUCTION AREA AND DOCUMENT ALL UNIQUE AND SPECIAL FEATURES OF RESIDENTIAL YARD AREAS WITHIN ROW LIMITS. CONTRACTOR SHALL AT BEST EFFORT PRESERVE ALL SPECIAL AND UNIQUE FEATURES INCLUDING BUT NOT LIMITED TO BRICK PAVERS FOR DRIVEWAYS AND WALKWAYS, MAILBOXES, LANDSCAPE PLANTERS AND OTHER



S.U.E. (SUBSURFACE UTILITY ENGINEERING) TEST HOLE FIELD DATA									
Test Hole Number	Utility Size, Material & Type (Size measured in inches and is O.D.)	Northing	Easting	Ground Elevation	Depth (Top)	Elevation (Top)	Utility Owner	Utility Direction	Surface Type
VVH101	8" Cast Iron Pipe Reclaimed Water	1311046.23	490209.75	13.96'	3.33'	10.63'	COT	E-W	Asphalt
VVH102	30" Not Field Verified Reclaimed Water	1311041.13	490211.32	13.84'	6.89'	6.95'	COT	N-S	Asphalt
VVH103	2" Polyethylene Gas Main	1311030.34	490219.27	14.03'	2.90'	11.13'	TECO	E-W	Asphalt
VVH104	8" Cast Iron Pipe Reclaimed Water	1311027.63	490208.07	13.78'	3.36'	10.42'	COT	E-W	Asphalt
VVH105	4" Polyethylene Buried Telephone x 2	1311027.08	490204.40	13.69'	3.38'	10.31'	Frontier	E-W	Asphalt
VVH106	8" DIP Water Main	1311029.96	490203.11	13.63'	4.00'	9.63'	COT	NE-SW	Asphalt
EDO107	Electronic Depth Only - Fiber Optic Cable	1311026.32	490202.13	13.67'	5.6'	8.1'	FDOT	E-W	Asphalt
VVH108	6" Cast Iron Pipe Water Main	1311587.87	490184.21	12.40'	1.20'	11.20'	COT	E-W	Soil
VVH109	6" Cast Iron Pipe Water Main	1311224.79	490179.76	13.68'	2.44'	11.24'	COT	E-W	Soil
VVH110	6" Cast Iron Pipe Water Main	1310985.23	490172.69	14.65'	1.91'	12.74'	COT	E-W	Soil
VVH111	30" Not Field Verified Reclaimed Water	1311031.38	490144.96	12.24'	8.06'	4.18'	COT	N-S	Asphalt
VVH112	6" Not Field Verified Water Main	1311376.66	490209.49	13.17'	2.8'	10.4'	COT	NE-SW	Asphalt
EDO113	Electronic Depth Only - Fiber Optic Cable	1311370.20	490210.89	13.14'	7.50'	5.64'	FDOT	E-W	Asphalt
VVH114	12" Cast Iron Pipe Reclaimed Water	1311371.67	490212.72	13.06'	2.26'	10.80'	COT	E-W	Asphalt
VVH115	2" Polyethylene Gas Main	1311367.87	490224.81	13.22'	3.03'	10.19'	TECO	E-W	Asphalt
VVH116	Not Field Verified Size Clay Sanitary Sewer	1311369.46	490232.61	13.44'	3.68'	9.76'	COT	N-S	Asphalt
VVH117	Not Field Verified Size Wrapped DIP WM	1311375.55	490238.32	13.53'	2.68'	10.85'	COT	N-S	Asphalt



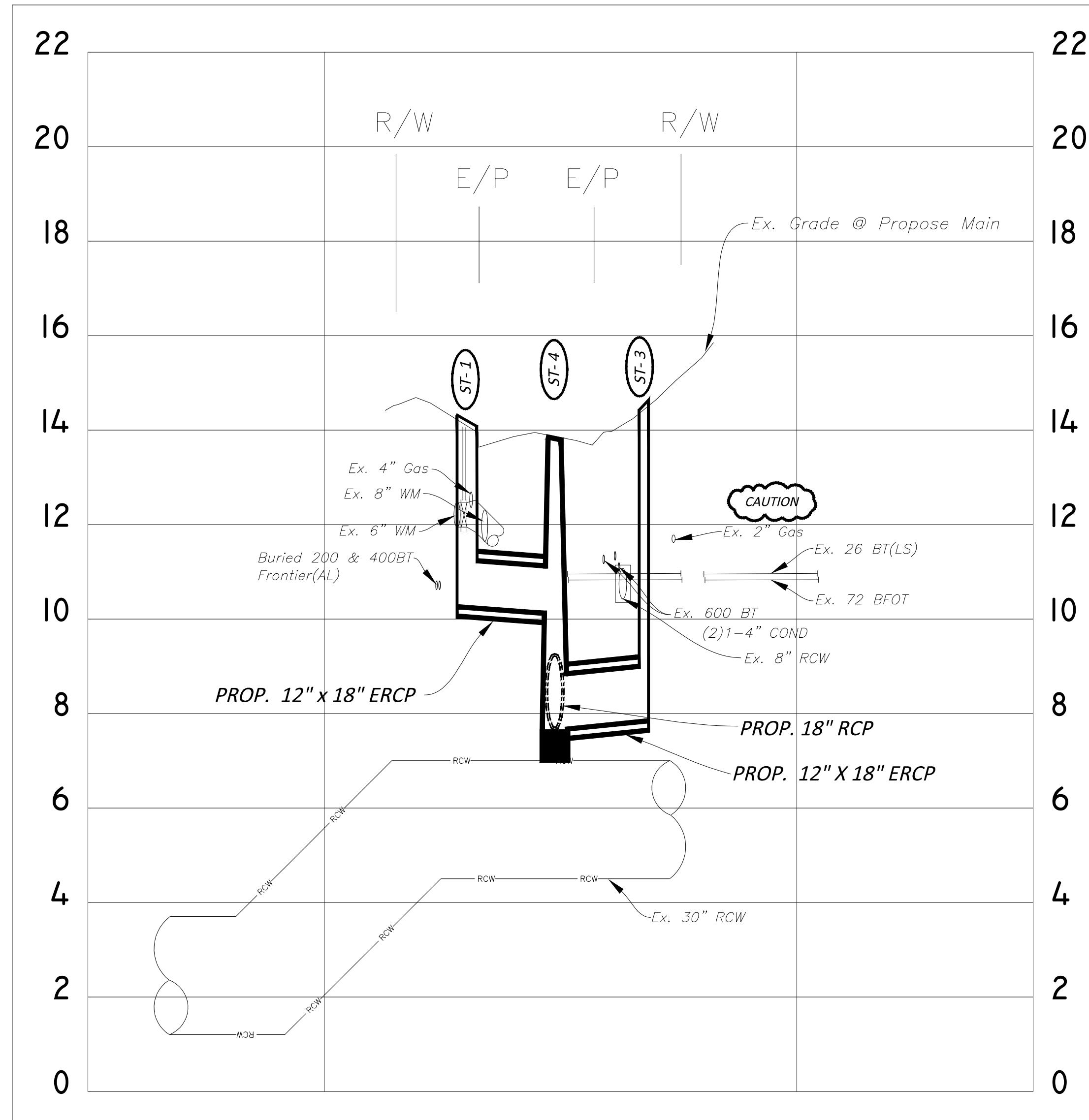
PROFILE VIEW

No.	DATE	REVISIONS	No.	DATE	REVISIONS	DES: SEB
3			6			DRN: BB
2			5			CKD: JDM
1			4			DATE: 05/21/25

CITY of TAMPA
Mobility Department
Stormwater Engineering Division

WOODMERE & LOIS AVENUE DRAINAGE IMPROVEMENTS PLAN AND PROFILE

PLAN VIEW SHEET 5



Plot Date: Wednesday, May 21, 2025

CROSS SECTION SL-1
LOOKING NORTH @
STA. 21+00

CROSS SECTION SL-2
LOOKING NORTH @
STA. 23+20

SCALE:
1" = 2' VERT.
1" = 20' HORIZ.

No.	DATE	REVISIONS	No.	DATE	REVISIONS
3			6		
2			5		
1			4		

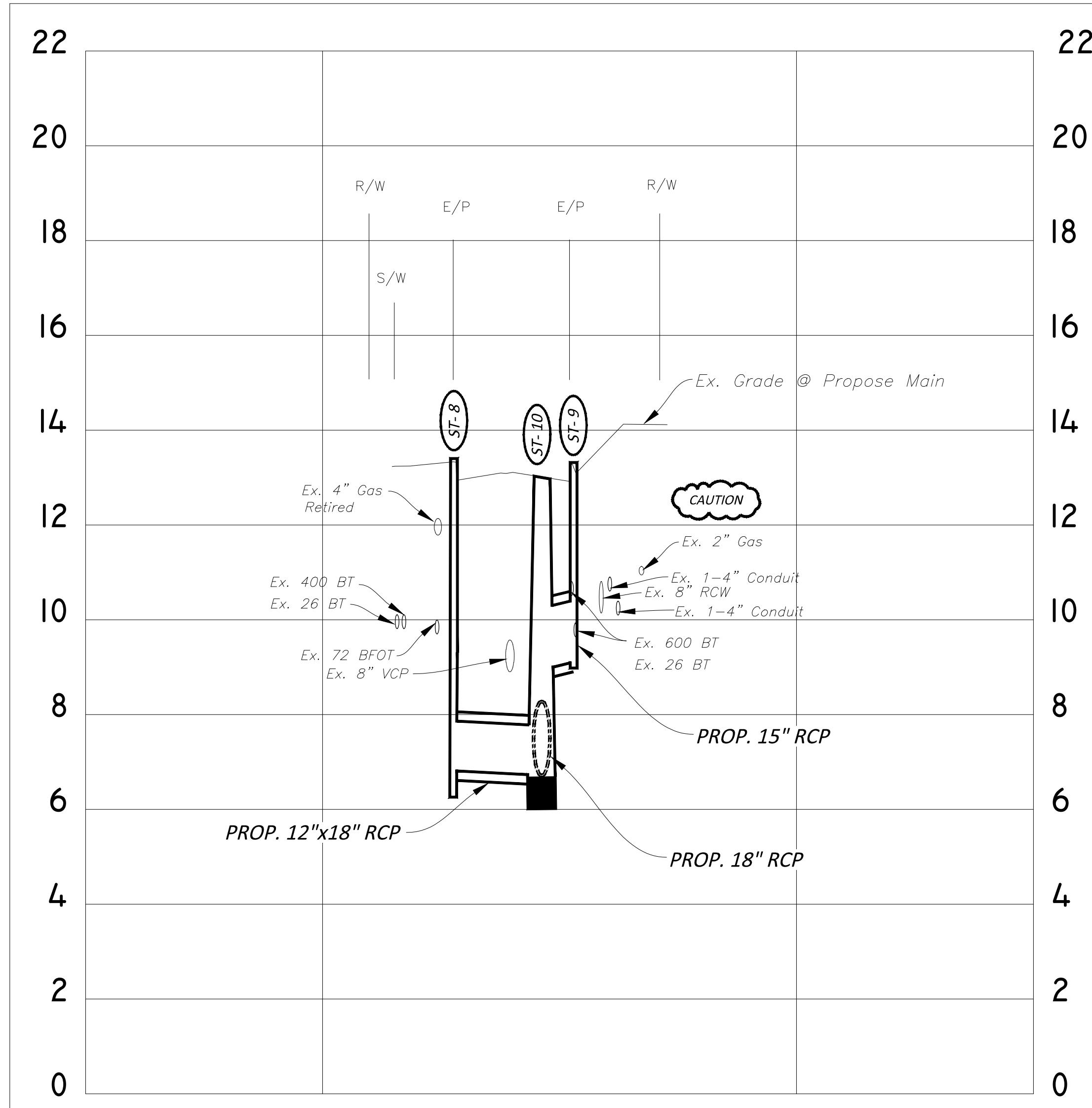
DES:	SEB
DRN:	JDM
CKD:	JDM
DATE:	05/21/25

CITY of TAMPA
Mobility Department
Stormwater Engineering Division

WOODMERE & LOIS AVENUE
CROSS-SECTIONS
PLAN SHEET

6
of 9

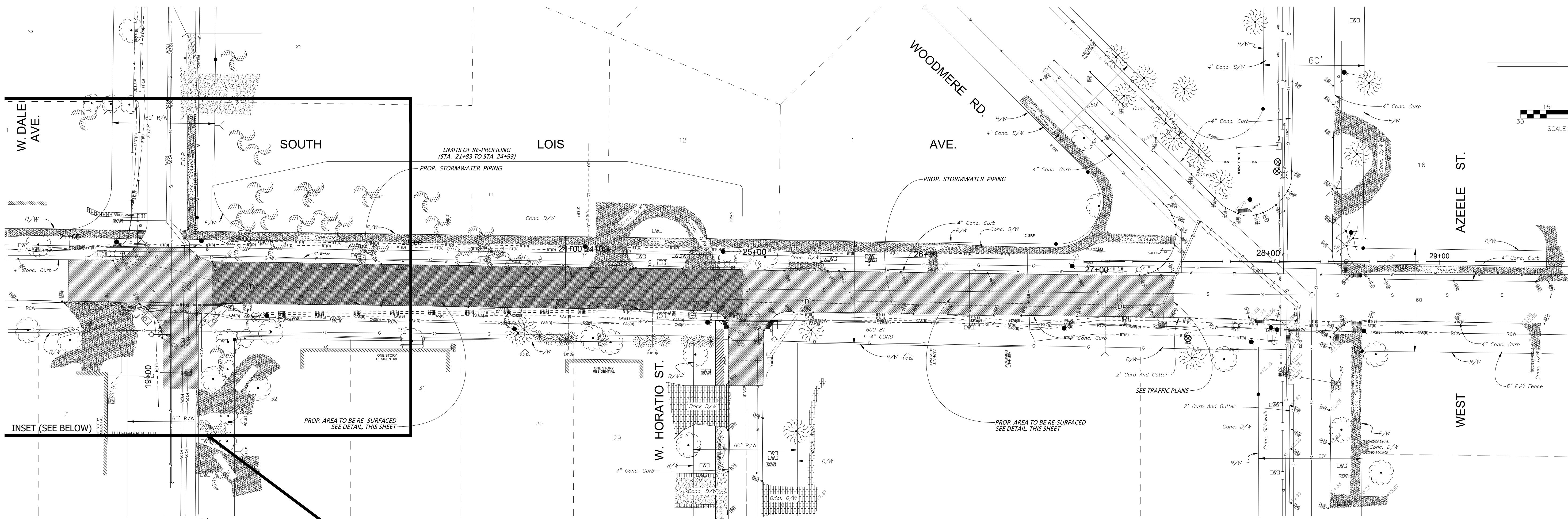
PLAN VIEW SHEET 6



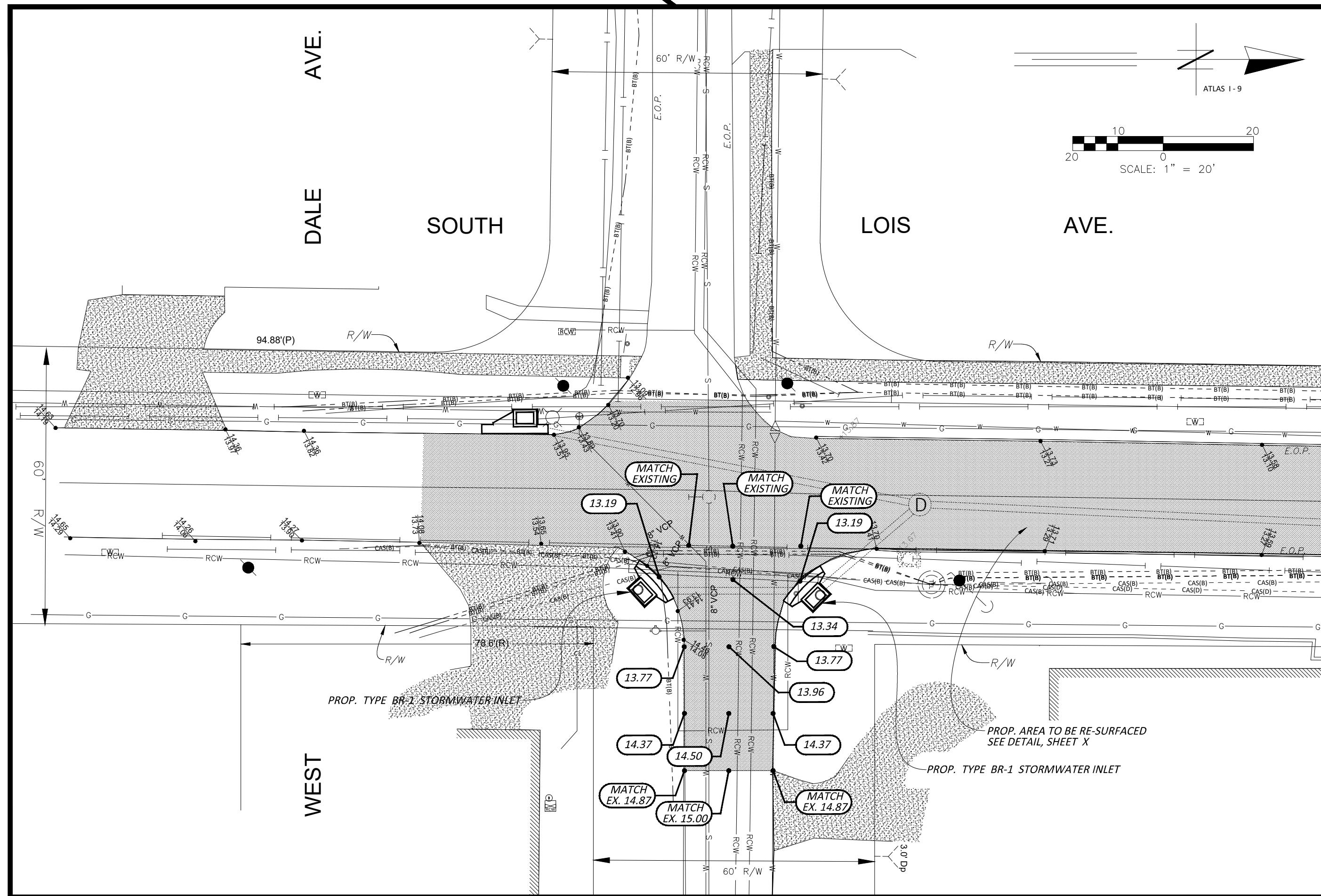
CROSS SECTION SL-3
LOOKING NORTH @
STA. 24+30

CROSS SECTION SL-4
LOOKING NORTH @
STA. 26+91

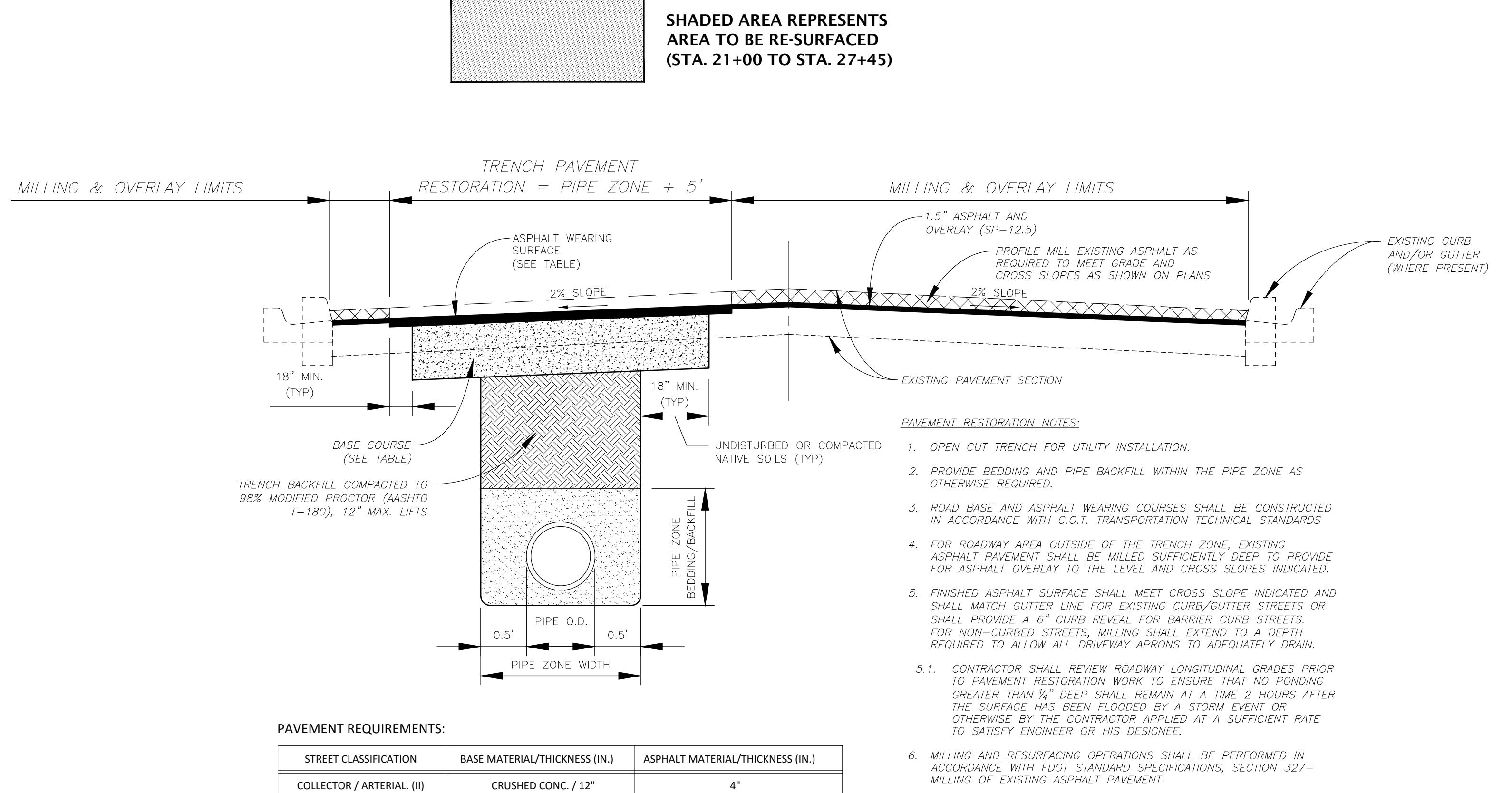
SCALE:
1" = 2' VERT.
1" = 20' HORIZ.



PLAN VIEW



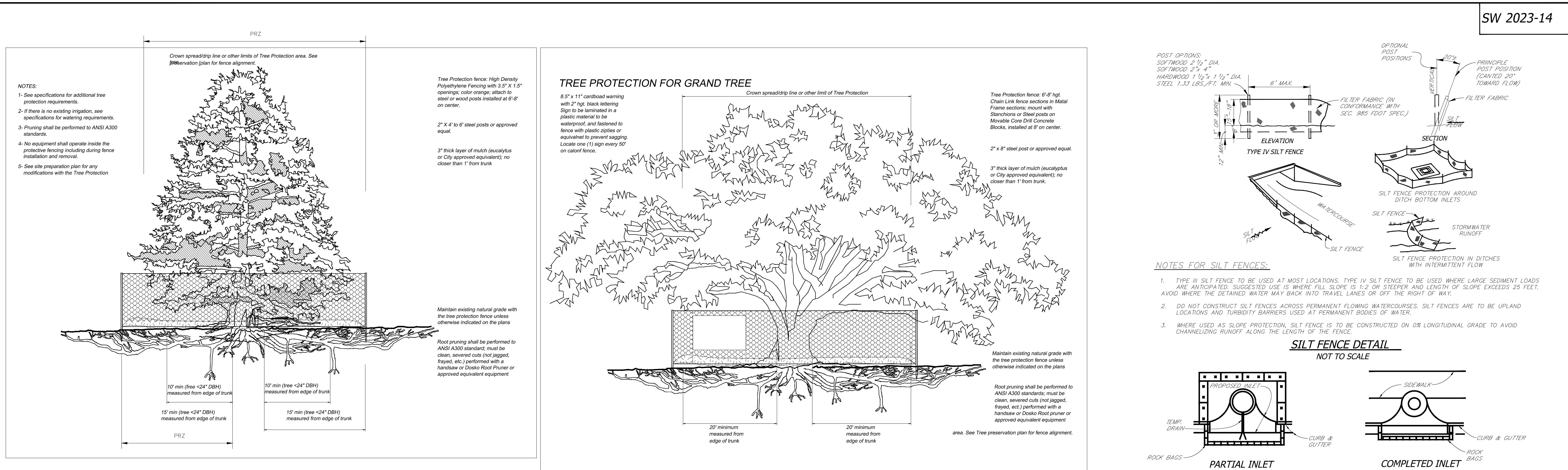
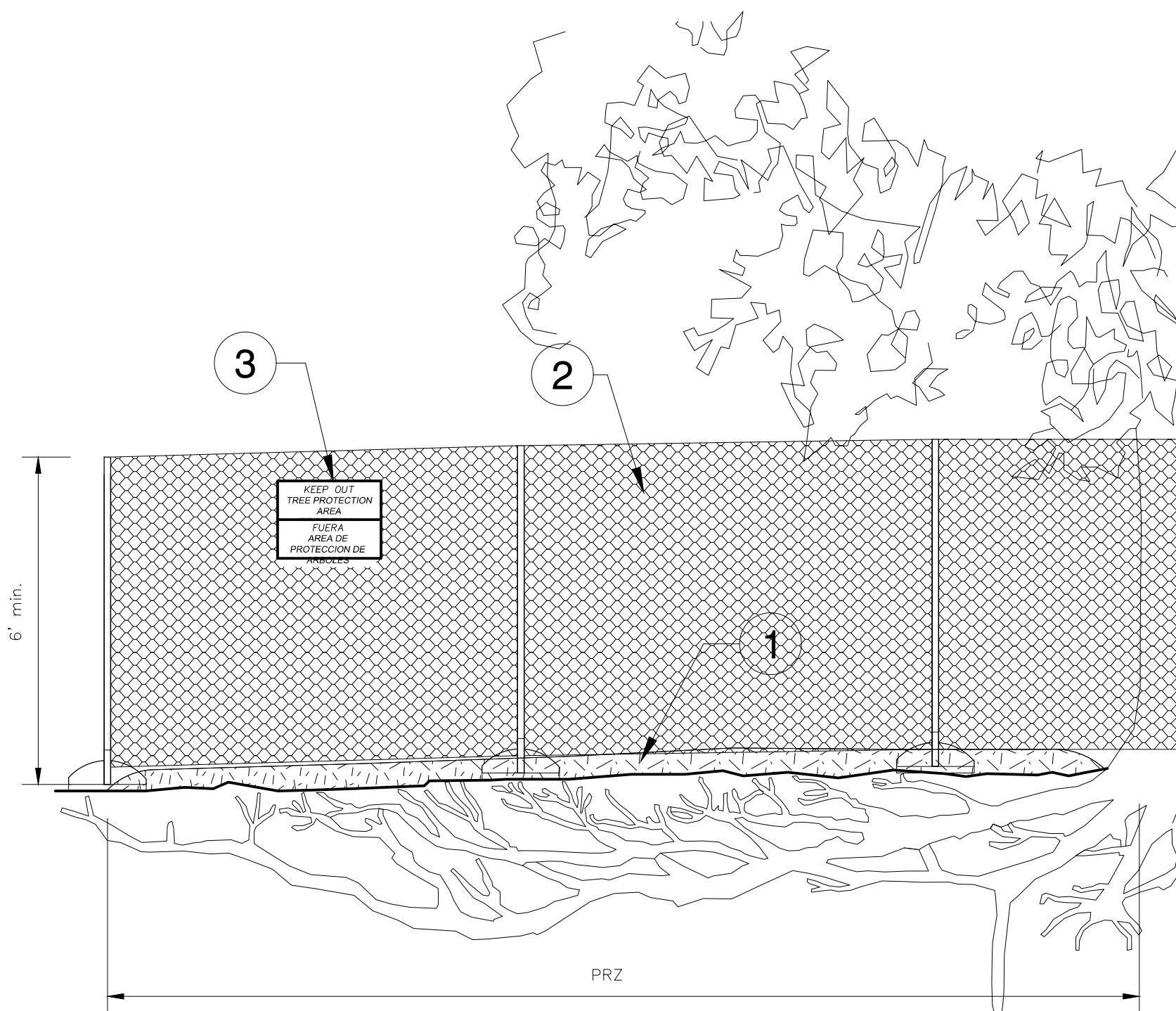
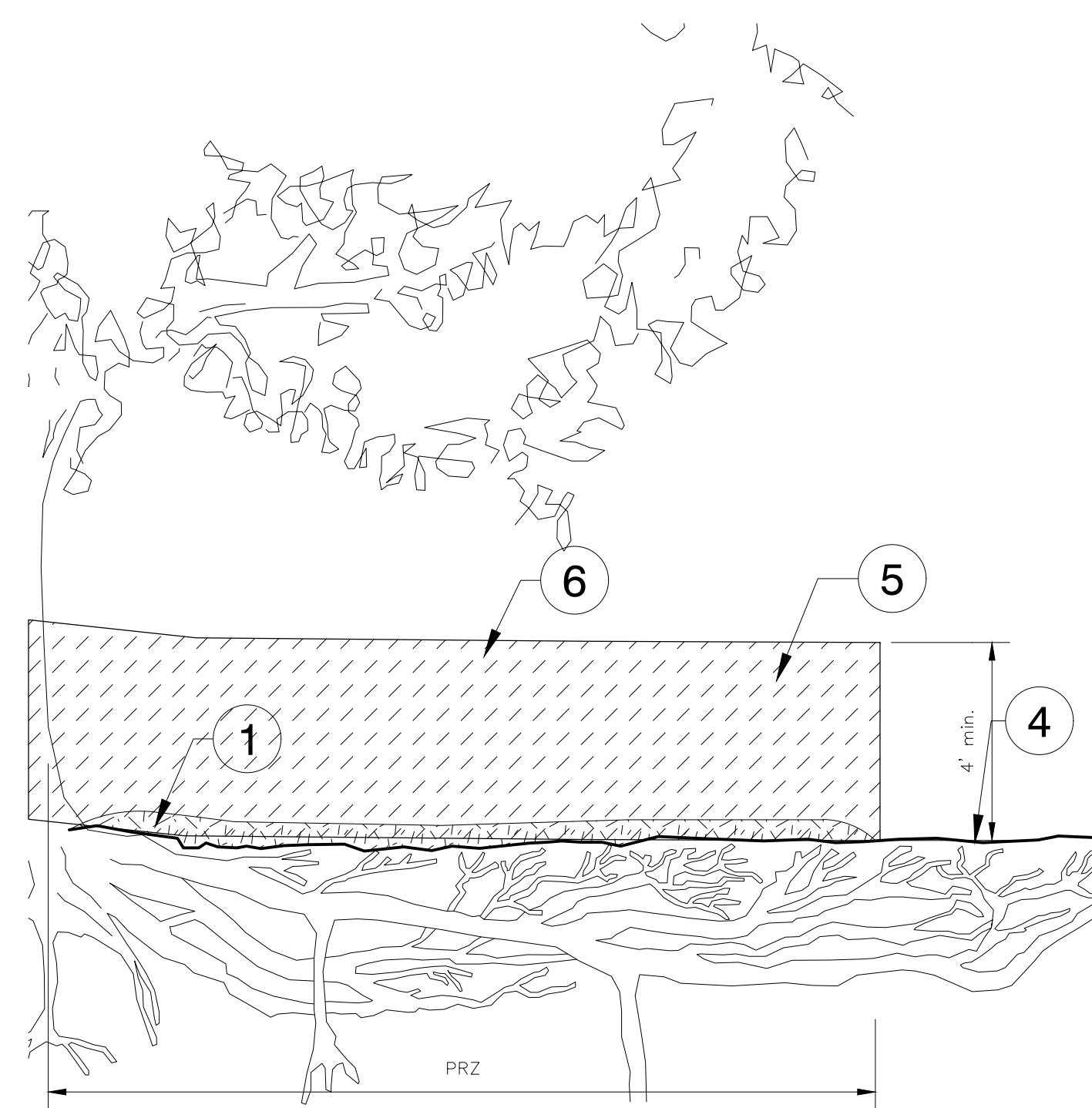
PLAN VIEW



STREET CLASSIFICATION	BASE MATERIAL/THICKNESS (IN.)	ASPHALT MATERIAL/THICKNESS (IN.)
COLLECTOR / ARTERIAL. (II)	CRUSHED CONC. / 12"	4"

PAVEMENT REQUIREMENTS

No.	DATE	REVISIONS	No.	DATE	REVISIONS	DES: S.E.B.	CITY of TAMPA Mobility Department Stormwater Engineering Division	WOODMERE & LOIS DRAINAGE IMPROVEMENTS PAVEMENT RESTORATION PLAN AND DETAIL	SHEET 8 OF 9
3			6			DRN: BB			
2			5			CKD: JDM			
1			4			DATE: 05/21/25			

**GRAND TREES****PALMS, PROTECTED AND SPECIMEN TREES**

- ① 3-inch layer of mulch (eucalyptus or city approved equivalent); no mulch shall be placed within one foot of the trunk.
- ② Grand Tree Protection Fence: 6-foot or 8-foot high chain link in metal frame sections; mount with stanchions or steel posts on movable core drilled concrete blocks, installed on 8'-0" on center max spacing.
- ③ Notice Sign: 8.5" x 11" corrugated plastic warning with 2" high black lettering. Fasten to fence with plastic zip toes or similar. Locate one sign every 50' of along the fence.
- ④ Maintain existing natural grade within the tree protection fence unless noted otherwise on the plans.
- ⑤ Standard Tree Protection Fence: high density polyethylene fencing with 3.5-inch x 1.5-inch openings; color orange; attach to steel or wood posts installed at eight-foot on center max.
- ⑥ 2x2x6' posts embedded a minimum of 24-inches (or similar approved post)

PRZ:

Protective Root Zone:
The entire surface and subsurface soil area encompassed by prescribed radius for protected, specimen, and grand trees.

See plan for fence extents, but typically the extents are as follows:

- Palms: 3' offset FFT
- Protected Trees (5- to 23-inch DBH): 10' offset from face of trunk (FFT)
- Specimen Trees: (24- to 31-inch DBH): 15' offset FFT
- Grand Trees (32-inch DBH): 20' offset FFT

TREE PROTECTION NOTES

1. Minimum protection standards shall be met for all protected trees, prior to commencement of any construction activities on a development site and/or in public or private right-of-way, in accordance with the tree protection graphics below.
2. No changes to the predevelopment conditions within the approved protective root zone during the construction process.
3. Protective barricades may be removed only to prepare the development site for final landscaping activities. During this activity only non-mechanical techniques may occur within the designated protective root zone. No alteration(s), of any kind, shall be made to any part of the tree (roots, trunk, canopy/crown), other than those that are approved by the Natural Resources Coordinator or designee, as part of the related permit.
4. No parking or storing of vehicles, equipment, or materials is permitted within the minimum protective area, at any time.
5. No site clearing or grading is permitted within the minimum protective area, other than those changes that are approved by the Natural Resources Coordinator or designee, as part of the related permit.
6. All canopy pruning must Meet ANSI A300 pruning per "American National Standards for Tree Care Operations". ANSI A300, current edition. Work should be planned and supervised by an ISA Certified Arborist.
7. Root Pruning shall be performed to ANSI A300 standards; must be clean, severed cuts (not jagged or frayed). Root pruning shall be performed with specifically designed mechanical root pruning tools (Vermeer or Dosko) or hand pruners, loppers, hand saws, reciprocating saws, oscillating saws, or small chain saws. Trenchers, excavators, and backhoes shall not be used to prune or crush roots.

TAMPA TREE PROTECTION DETAIL AND NOTES

1/4" = 1'-0"

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3			6			SEB
2			5			BB
1			4			CKD: JDM DATE: 05/21/25

CITY of TAMPA
Mobility Department
Stormwater Engineering Division

WOODMERE & LOIS AVENUE
DRAINAGE IMPROVEMENTS
TREE PROTECTION & SILT FENCE SHEET

SHEET 9 OF 9