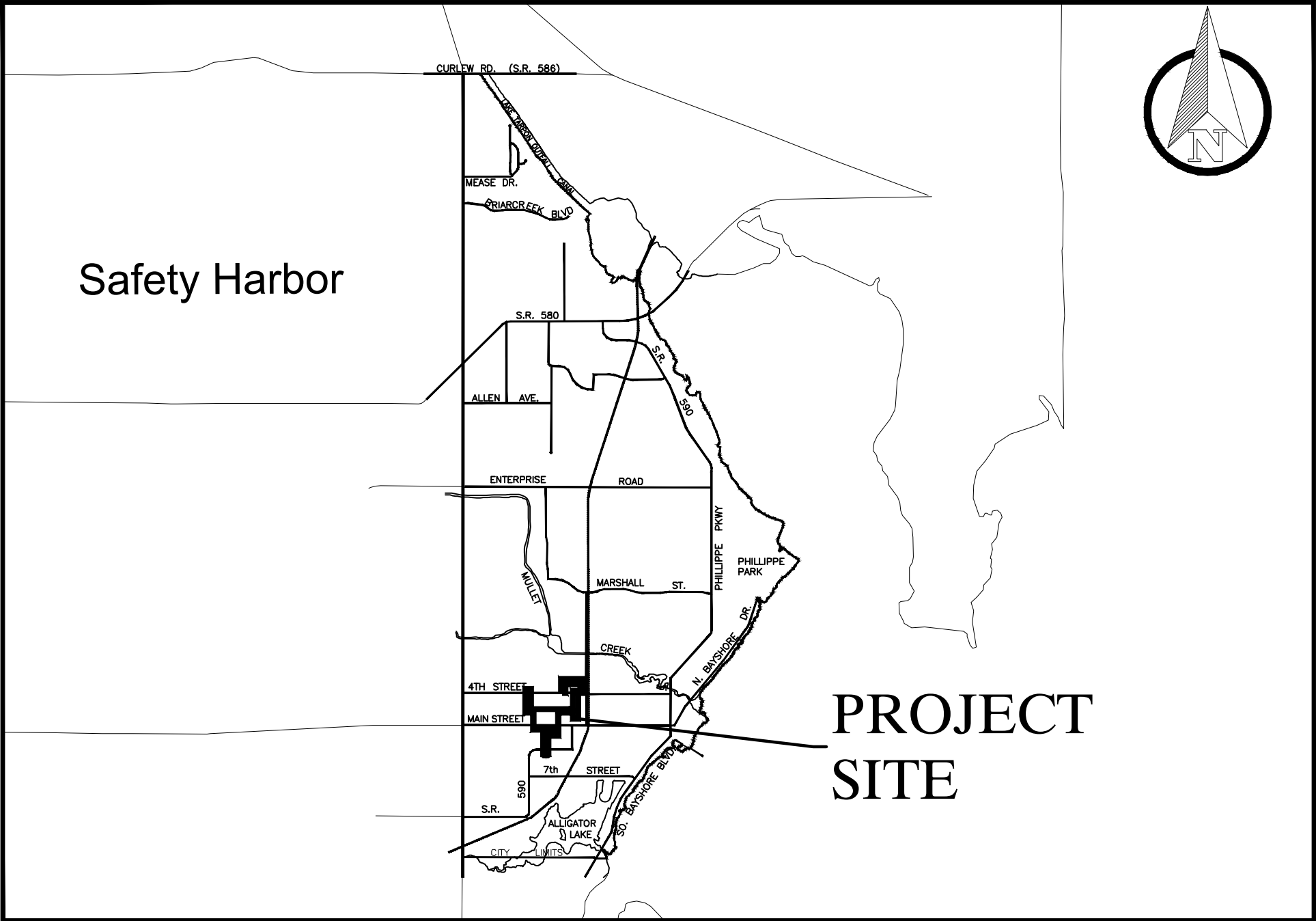


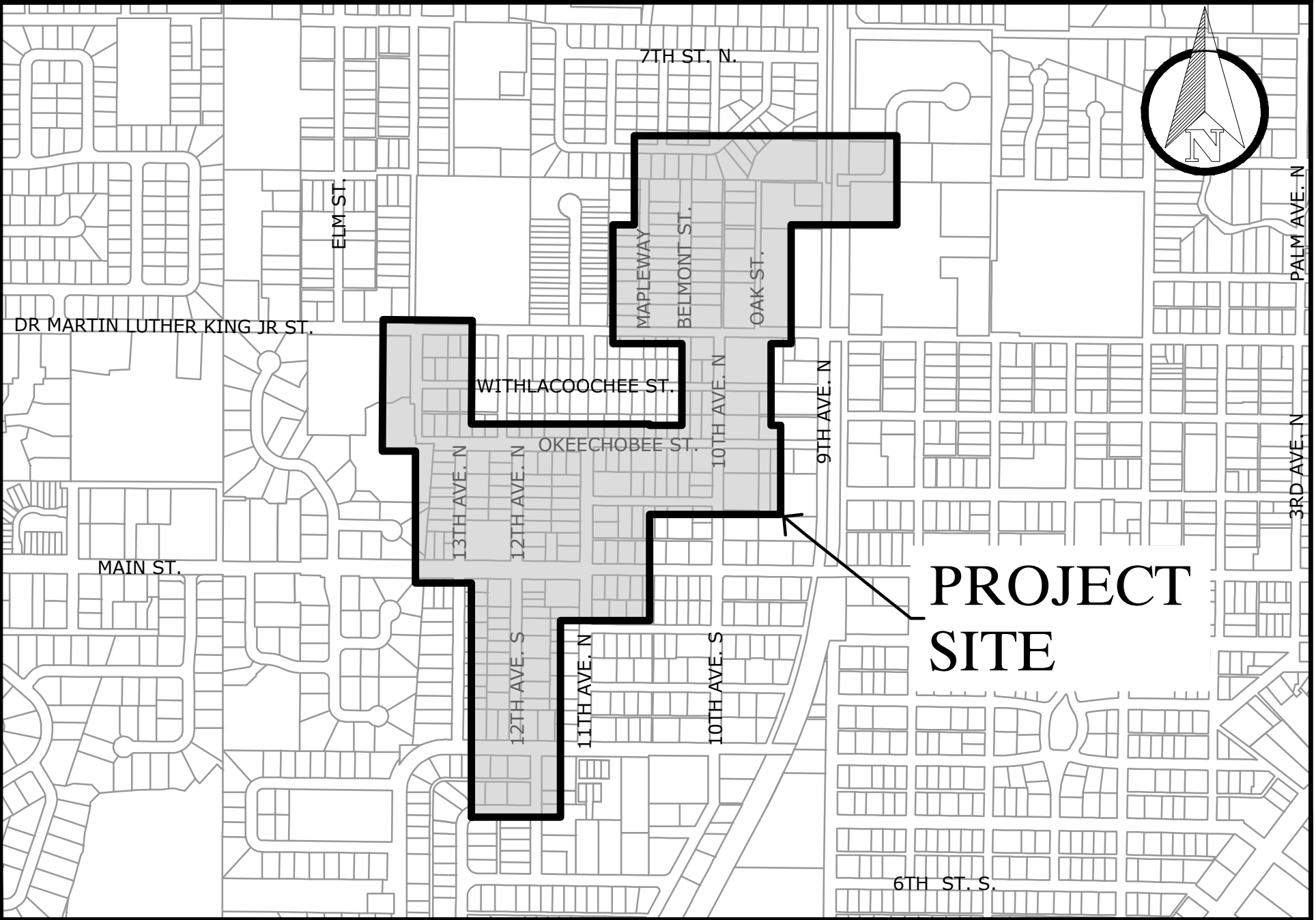
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SEMINOLE PARK AND MAPLEWAY WATER MAIN REPLACEMENT (UT0096)

SECTION 04, TOWNSHIP 29 S, RANGE 16 E
CITY OF SAFETY HARBOR



VICINITY MAP



LOCATION MAP

CITY COMMISSION

Joe Ayoub
Carlos Diaz
Andy Steingold
Nancy Besore
Jacob Burnett
Josh Stefancic

Mayor
Vice Mayor
Commissioner
Commissioner
Commissioner
City Manager

FOR:

CITY OF SAFETY HARBOR
750 MAIN STREET
SAFETY HARBOR, FL. 34695
PHONE: (727) 724-1555

BY:



S.S.O.C.O.F. TICKET No. 109101359
DATE: 04/15/2021



4921 Memorial Highway
One Memorial Center, Suite 300
Tampa, Florida 33634
Phone: (813) 880-8881
www.Ardurra.com
License #2610

BID DOCUMENTS

				JOB NO: 0279-00026-2022-0998			
				DATE: JUNE 2022			
				SCALE: AS SHOWN			
				G0.00			
				BID DOCUMENTS 06/25/2023			
NO.	DATE	REVISION	BY				



































ABBREVIATIONS

ABN	ABANDONED	JT	JOINT
AC	ASBESTOS CEMENT	LB#	LICENSED BUSINESS NUMBER
APP	APPARENT	LS	LONG SIDE
APPROX	APPROXIMATE	LT	LEFT
ASPH	ASPHALT	MDPE	MEDIUM DENSITY POLYETHYLENE
ASSY	ASSEMBLY	MH	MANHOLE
AVE	AVENUE	MFR	MANUFACTURER
B OR BL	BASELINE	MAX	MAXIMUM
BAV	BALL VALVE	MECH	MECHANICAL
BE	BURIED ELECTRIC	MJ	MECHANICAL JOINT
BF	BLIND FLANGE	MIN	MINIMUM
BFD	BACK FLOW PREVENTOR DEVICE	MOD	MODIFIED
BFV	BUTTERFLY VALVE	N	NORTH OR NORTHING
BLDG	BUILDING	NIC	NOT IN CONTRACT
BLK	BLOCK	NTS	NOT TO SCALE
BLVD	BOULEVARD	NO OR #	NUMBER
BM	BENCH MARK	NPT	NATIONAL PIPE TAPER
BOC	BACK OF CURB	O/S	OFFSET
BT	BURIED TELEPHONE	OD	OUTSIDE DIAMETER
(C)	CALCULATED	O R BOOK	OFFICIAL RECORD BOOK
CAT	CATALOG	PVMT	PAVEMENT
CB	CATCH BASIN	PL	PLATE OR PLACE OR PROPERTY LINE
CF	CUBIC FEET	PNT OR PT	POINT
CI	CAST IRON	PC	POINT OF CURVATURE
CL2	CHLORINE	PI	POINT OF INTERSECTION
CL OR C L	CENTER LINE	PSM	PROFESSIONAL SURVEYOR & MAPPER
CLR	CLEAR OR CLEARANCE	PVI	POINT OF VERTICAL INTERSECTION
CM	CONCRETE MONUMENT	PT	POINT OF TANGENCY
CMP	CORRUGATED METAL PIPE	PVC	POLYVINYL CHLORIDE
CMU	CONCRETE MASONRY UNIT	LB. OR #	POUND
CO	CLEANOUT	PSI	POUNDS PER SQUARE INCH
CONC	CONCRETE	PP	POWER POLE
CONN	CONNECTION	PROP	PROPOSED
CONST	CONSTRUCTION	PS	PUMP STATION
CONT	CONTINUOUS	R	RADIUS
CORP	CORPORATION	RWM	RAW WATER MAIN
CORR	CORRUGATED	RCW	RECLAIMED WATER
CPLG	COUPLING	RD	ROAD
CV	CHECK VALVE	RP	RADIUS POINT
CY	CUBIC YARDS	RED	REDUCER
DBL	DOUBLE	REINF	REINFORCE(ING)
DEPT	DEPARTMENT	RCP	REINFORCED CONCRETE PIPE
DET	DETAIL	REQD	REQUIRED
DI	DUCTILE IRON	ROT	ROTATE
DIA	DIAMETER	RT	RIGHT
DIM	DIMENSION	RWGV	RESILIENT WEDGE GATE VALVE
DIP	DUCTILE IRON PIPE	R/W	RIGHT-OF-WAY
DWG	DRAWING	SAN OR SSWR	SANITARY (SEWER)
E	EAST OR EASTING	SCH	SCHEDULE
EA	EACH	SCO	SANITARY CLEANOUT
ECC	ECCENTRIC	SCP	SURVEY CONTROL POINT
ELEC	ELECTRIC OR ELECTRICAL	SHT	SHEET
EL OR ELEV	ELEVATION	SIR	SET IRON ROD
EOB	EDGE OF BRICK	SIRC	SET IRON ROD AND CAP
EOP	EDGE OF PAVEMENT	SMH	SANITARY MANHOLE
EQUIP	EQUIPMENT	S/W	SIDEWALK
EX OR EXIST	EXISTING	SL	SANITARY SEWER LATERAL
EXP	EXPANSION	SPECS	SPECIFICATIONS
FDOT	FLORIDA DEPT. OF TRANSPORTATION	SS	STAINLESS STEEL OR SHORT SIDE
FHA	FIRE HYDRANT ASSEMBLY	ST	STREET
FIR	FOUND IRON ROD	STD	STANDARD
FIRC	FOUND IRON ROD WITH CAP	STA	STATION
FLEX	FLEXIBLE	STM	STORM
FLG	FLANGE	SQ	SQUARE
FLR	FLOOR	TEL	TELEPHONE
FM	FORCE MAIN	TEMP	TEMPORARY
FND, FN&D	FOUND NAIL & DISK	THD	THREADED
FOC	FIBER OPTIC CABLE	THK	THICK
FOW	FACE OF WALK	TOC	TOP OF CONCRETE
FT	FEET	TRV	SURVEY TRAVERSE POINT
FTG	FITTING OR FOOTING	TS	TRAFFIC SIGN
GA	GAUGE OR GAGE	TS&V	TAPPING SLEEVE AND VALVE
GAL	GALLON	TYP	TYPICAL
GALV	GALVANIZED	UD	UNDERDRAIN
GE	GRATE ELEVATION	UG	UNDERGROUND
GPM	GALLONS PER MINUTE	VCP	VITRIFIED CLAY PIPE
GRD	GRADE	WSC	WATER SERVICE CONNECTION
GS	GROUND SHOT	WM	WATER MAIN
GSP	GALVANIZED STEEL PIPE	WV	WATER VALVE
GV	GATE VALVE		
HDD	HORIZONTAL DIRECTIONAL DRILL		
HDPE	HIGH DENSITY POLYETHYLENE		
HDWL	HEADWALL		
HORIZ	HORIZONTAL		
HWY	HIGHWAY		
ID	INSIDE DIAMETER		
IN	INCH		
INV OR IE	INVERT (ELEVATION)		
IR	IRON ROD		
IV	IRRIGATION VALVE		

LEGEND

T.U.B. 	= TELEPHONE UTILITY BOX
F.H. 	= EXISTING FIRE HYDRANT
F.D.C. 	= FIRE DEPARTMENT CONNECTION
U.P. 	= UTILITY POLE
L.P. 	= LIGHT POLE
U.L.P. 	= UTILITY & LIGHT POLE
G.P. 	= GUY POLE
	= GUY WIRE
	= ELECTRIC TRANSFORMER
H.H. 	= ELECTRIC HAND-HOLE
U.G.G. 	= UNDERGROUND GAS LINE MARKER
T.S.B. 	= TRAFFIC SIGNAL UTILITY BOX
T.S.P. 	= TRAFFIC SIGNAL POLE
CONC. 	= CONCRETE
	= EX. WATER SERVICE CONNECTION
	= GRATE INLET
	= STORM SEWER CLEANOUT, PIPE & MANHOLE
FIR ●	= FOUND IRON ROD (SIZE AND IDENTIFICATION IF SHOWN)
FCR ●	= FOUND IRON ROD WITH CAP (SIZE AND IDENTIFICATION IF SHOWN)
FND ●	= FOUND NAIL & DISK (TYPE AND IDENTIFICATION IF SHOWN)
FOP ●	= FOUND IRON PIPE (SIZE AND IDENTIFICATION IF SHOWN)
SIR ●	= SET 1/2" IRON ROD & CAP L.B. #2610
	= HA#
	= SPT BORING
	= SIGN
	= RIGHT OF WAY LINE
	= PROPERTY LINE
	= JURISDICTIONAL LINE
	= EDGE OF PAVEMENT
	= FENCE
	= WM
	= FM
	= SAN
	=
	= UD
	= BT
	= FOC
	= BE
	= CTV
	= GAS
	= OHW
	=
	= PROPOSED FHA
	= MB
	= WM
	= NEW 11"x32" GLASMASTERS METER BOX #S113212F2N08-1
	= LID #S1132RN08-1-WA
	= CL
	= C
	= S
	= D
	= SP
	= B
	= L
	=
	= DEADMAN
	= HDD PIT
	=
	= REMOVED

TREE LEGEND

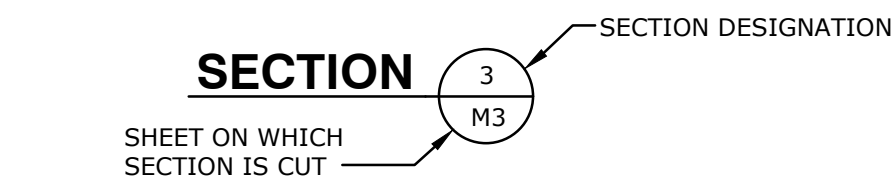
 = 12" UNKNOWN TYPE TREE	 = 12" PECAN TREE	 = 12" BIRCH
 = 12" CHERRY LAUREL	 = 12" EUCALYPTUS TREE	 = 12" HICKORY
 = 12" WILLOW TREE	 = 12" CAMPHOR TREE	
 = 12" HOLLY TREE	 = 12" SYCAMORE TREE	
 = 12" DEAD TREE	 = 12" PINE TREE	 = TREE HAVING ONE TRUNK AT BREAST HEIGHT, 12" DIA.
 = 12" CHINESE TALLOW TREE	 = 12" AUSTRALIAN PINE	 = TREE HAVING MULTIPLE TRUNKS AT BREAST HEIGHT 12" AND 13" DIA.
 = 12" CHINABERRY TREE	 = 12" CEDAR TREE	
 = 12" OAK TREE	 = 12" ELM TREE	
 = 12" JACARANDA TREE	 = 12" MAPLE TREE	
 = 12" MULBERRY TREE	 = 12" WAX MYRTLE TREE	
 = 12" PALM TREE	 = 12" PUNK TREE	 = REPRESENTS TREES TO BE REMOVED
 = 12" BAY TREE	 = 12" CYPRESS TREE	 = REPRESENTS TREES TO BE PROTECTED
 = 12" MAGNOLIA TREE	 = 12" EAR TREE	
 = 12" CITRUS TREE	 = 12" SWEET GUM TREE	

FDOT CONSTRUCTION NOTES

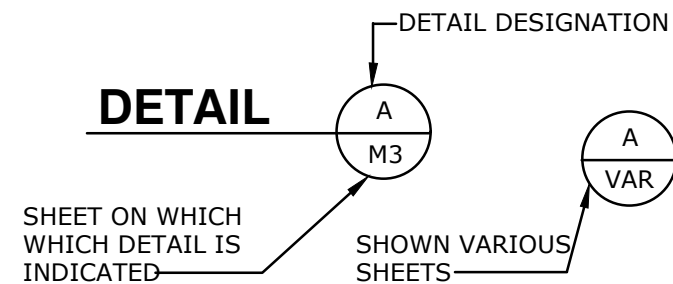
- WHEN DIRECTIONAL BORE IS THE METHOD OF INSTALLATION, A MINIMUM 24-INCH SEPARATION SHALL BE MAINTAINED FROM ALL EXISTING UTILITIES, ITS/ATMS LINES, AND STORM DRAIN SYSTEMS WHILE MAINTAINING THE MINIMUM REQUIRED DEPTH UNDER PAVEMENT OR NON-PAVED GROUND.
2. IF THE PROPOSED UTILITY CANNOT BE INSTALLED PER THE APPROVED PERMITTED PLAN AND BY FDOT SPECIFICATIONS, A REVISED PLAN MUST BE PROVIDED TO THE DEPARTMENT FOR REVIEW AND APPROVAL PRIOR TO THE INSTALLATION OF PRODUCTS OR MATERIALS AT THE GIVEN LOCATIONS WHERE CONFLICTS OCCUR.
3. ANY NEW PROPOSED PLAN SHALL INCLUDE CROSS SECTIONS, PLAN VIEWS AND PROFILES OF THE STATE ROAD ADEQUATELY REFLECTING ALL RIGHT-OF-WAY FEATURES INCLUDING BUT NOT LIMITED TO EXISTING UTILITIES, STORM DRAIN SYSTEMS AND ANY ABOVE OR BELOW GROUND APPEARANCES WHERE APPLICABLE.
4. NO PEDESTRIAN PATHWAY IS TO BE REMOVED, BLOCKED, OR DISTURBED WITHOUT HAVING A SUFFICIENT DESIGNATED TEMPORARY PEDESTRIAN PATHWAY WITH ALL APPROPRIATE PEDESTRIAN MAINTENANCE OF TRAFFIC SIGNS (INDEX 660) IN-PLACE PRIOR TO PATHWAY BEING AFFECTED.
5. ALL TEMPORARY PEDESTRIAN PATHWAYS MUST BE FIRM AND UNYIELDING.
6. ANY SIDEWALK DISTURBED WILL BE REPLACED BY SECTION WITHIN 72 HOURS TO FDOT SPECIFICATIONS.
7. ALL CONCRETE PLACED WITHIN FDOT RIGHT-OF-WAY FOR DRIVEWAYS AND SIDEWALKS SHALL BE A MINIMUM OF 6 INCHES THICK AND BE AN FDOT-APPROVED MIX, CLASS 1 NON-STRUCTURAL, 2,500 PSI WITH FIBER MESH.
8. FDOT RESERVES THE RIGHT TO MAKE ADJUSTMENTS TO ANY PERMITTED METHOD OF INSTALLATION, SCOPE OF WORK, AND RESTORATION THAT MAY BE REQUIRED TO POSITIVELY SUPPORT LIFE, SAFETY, AND ENVIRONMENTAL WELL-BEING OF ALL USERS OF THE TRANSPORTATION SYSTEM.
9. THE PERMITTEE SHALL NOTIFY THE FDOT OF DATE OF COMPLETION, REQUEST A FINAL INSPECTION, AND A NOTICE OF FINAL ACCEPTANCE.
10. ALL CONSTRUCTION AND/OR MAINTENANCE IN THE FDOT RIGHT-OF-WAY SHALL CONFORM TO THE FEDERAL MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), THE FDOT ROADWAY AND TRAFFIC DESIGN STANDARDS, THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, THE FLORIDA DESIGN MANUAL, AND THE DRAINAGE MANUAL (LATEST EDITION)
11. PRIOR TO REMOVAL OF EXISTING CURB OR DRIVEWAY, THE EDGE OF TRAVEL SHALL BE SAWCUT TO AVOID DAMAGING THE EXISTING ROADWAY ASPHALT. ALL CONCRETE TO BE REMOVED IN FDOT RIGHT-OF-WAY SHALL BE SAWCUT AND REMOVED FROM THE NEAREST JOINT. (LATEST EDITION)
12. NO LANE CLOSURE OF ANY STATE ROADWAY IS ALLOWED WITHOUT A MINIMUM OF TWO (2) BUSINESS DAYS ADVANCE NOTIFICATION AND APPROVAL FROM FDOT.
13. LANE CLOSURES MUST BE LIMITED TO SUNDAY THROUGH THURSDAY 8:00 PM TO 5:30 AM UNLESS OTHERWISE APPROVED BY FDOT.
14. ANY SIDEWALK DAMAGED BECAUSE OF WORK BEING PERFORMED IN ASSOCIATION WITH THE PERMITTEE AND CONTRACTOR SHALL BE REMOVED AND REPLACED WITH 6-INCH THICK CLASS 1 NON-STRUCTURAL, 2,500 PSI WITH FIBER MESH.
15. OPEN CUTTING OF ANY ROADWAY, DRIVEWAY OR SIDEWALK OUTSIDE THOSE LIMITS IDENTIFIED WITHIN THE PERMIT ARE NOT ALLOWED WITHOUT PRIOR APPROVAL OF FDOT.
16. THE CONTRACTOR SHALL HAVE AN AUTHORIZED PERSON AVAILABLE AT/OR NEAR THE WORK SITE ON A 24-HOUR BASIS, 7 DAYS A WEEK IN ORDER TO ADDRESS EMERGENCY ISSUES ASSOCIATED WITH THE PROJECT.
17. NO STOCKPILING, STORING OR SEMI-PERMANENT USE OF THE RIGHT-OF-WAY IS AUTHORIZED UNLESS SPECIFICALLY IDENTIFIED WITHIN THE PERMIT.
18. NO WORK SHALL BE PERFORMED DURING THE WEEKS OF ANY STATE OR FEDERAL HOLIDAY UNLESS OTHERWISE APPROVED IN WRITING BY FDOT.
19. THE PERMITTED WORK SCHEDULE IS DEFINED AS MONDAY THROUGH FRIDAY 7:00 AM TO 5:30 PM UNLESS OTHERWISE NOTED WITHIN THE PERMIT. ANY WORK DESIRED OUTSIDE OF THIS PERIOD MUST BE REQUESTED IN ADVANCE AND APPROVED BEFORE WORKING THE ALTERNATE SCHEDULE.
20. WHEN WORK IS ASSOCIATED WITH ROADWAY MODIFICATIONS AND/OR SITE DEVELOPMENT, THE CONTRACTOR IS REQUIRED TO HAVE A PRECONSTRUCTION MEETING WITH THE FDOT INSPECTOR TWO WEEKS PRIOR TO ANY CONSTRUCTION BEGINNING WITHIN THE RIGHT-OF-WAY.
21. ALL WORK PERFORMED UNDER THIS PERMIT WITHIN THE RIGHT-OF-WAY IS TO BE SCHEDULED WITH FDOT INSPECTION STAFF.
22. ROADWAY RESTORATION SHALL UTILIZE 100 PSI EXCAVATABLE FLOWABLE FILL MATERIAL AND ASPHALT PLACED WITHIN THE STATE RIGHT-OF-WAY SHALL BE PLACED FULL-DEPTH, TWO 2.5-INCH LIFTS OF SP 12.5, TWO 1.5-INCH LIFTS OF SP 9.5. TYPICAL SECTIONS WILL NEED TO BE PROVIDED WITHIN THE PLANS FOR THE PAVEMENT PLACEMENT. A STAIR STEP METHOD SHOULD BE INCORPORATED, PRIOR TO PLACING ASPHALT, TO AVOID VERTICAL JOINTS. MILLING OF THE PATCH MAY BE REQUIRED BASED ON THE PATCHED SURFACE PERFORMANCE. THE MILLING SHALL BE UTILIZED FOR SURFACE LEVELING TO A THICKNESS EQUAL TO OR GREATER THAN THE EXISTING FRICTION COARSE MATERIAL. THE MILLING LIMITS ARE 50-FOOT OF THE PATCH ALONG THE LONGITUDINAL PATH OF THE LANE, FULL LANE WIDTH AND TO INCLUDE ANY ADJACENT BIKE LANES, SHARED PATH OR URBAN SHOULDER SECTIONS.
23. ANY DISRUPTIONS TO ANY PERMEABLE PEDESTRIAN WAY AND BIKE LANE ARE TO BE RESTORED AS WORK CONTINUES. ALL PATCHES SHALL BE FULL WIDTH FROM OUTSIDE EDGE OF PEDESTRIAN PATH TO WHITE LINE EDGE OF TRAVEL LANE WITH STAIR STEP (STAGGERED) JOINTS.

SHEET INDEX

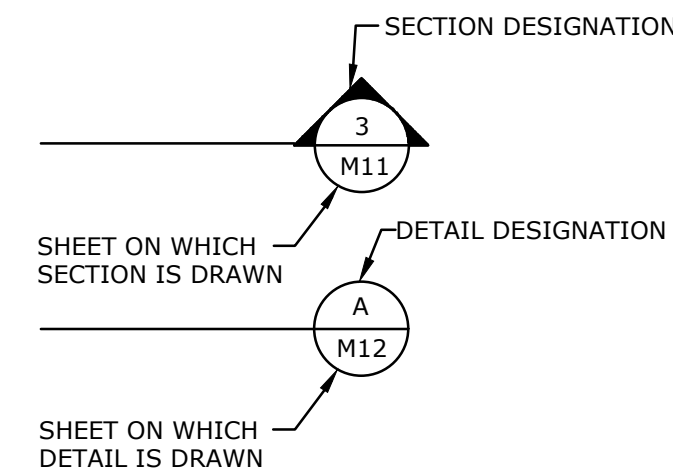
SHEET NO.	SHEET TITLE
GENERAL	
G0.00	COVER
G1.01	ABBREVIATIONS, LEGEND, FOOT CONSTRUCTION NOTES AND INDEX
G1.02	NOTES
G1.03	STORMWATER POLLUTION PREVENTION PLAN
G2.00	OVERALL EXISTING WATERMAIN ABANDONMENT SITE PLAN
CIVIL	
C1.00	OVERALL PROJECT SITE PLAN AND KEY MAP
C1.01	12TH AVE S PLAN STA. 0+00 TO STA. 2+87
C1.02	12TH AVE AND MAIN ST PLAN STA. 2+87 TO STA. 8+60 AND STA. 91+67 TO STA. 95+56
C1.03	12TH AVE N AND OKEECHOBEE ST PLAN STA. 8+60 TO STA. 13+50 AND STA. 102+41 TO STA. 106+30
C1.04	13TH AVE N AND MAIN ST PLAN STA. 20+00 TO STA. 25+11 AND STA. 90+00 TO STA. 91+67
C1.05	POWHATAN ST, 3RD ST AND 13TH AVE N PLAN STA. 30+00 TO STA. 35+00, STA. 100+00 TO STA. 102+41 STA. 25+11 TO STA. 25+52 AND
C1.06	11TH AVE S AND MAIN ST PLAN STA. 40+25 TO STA. 43+11 AND STA. 95+56 TO STA. 97+19
C1.07	11TH AVE N AND OKEECHOBEE ST PLAN STA. 43+11 TO STA. 48+00 AND STA. 106+30 TO STA. 110+19
C1.08	10TH AVE N AND OKEECHOBEE ST PLAN STA. 50+14 STA. 54+03 AND STA. 110+19 TO STA. 113+50
C1.09	10TH AVE N PLAN STA. 54+03 TO STA. 57+60
C1.10	BELMONT ST AND MAPLEWAY PLAN STA. 70+00 TO STA. 74+75 AND STA. 80+00 TO STA. 84+73
C1.11	BELMONT ST AND MAPLEWAY PLAN STA. 74+75 TO STA. 76+00 AND STA. 84+73 TO STA. 86+00
C1.12	OAK ST AND 10TH AVE N PLAN STA. 60+00 TO STA. 64+79 AND STA. 57+59 TO STA. 58+00
C1.13	OAK ST AND DAISY DOUGLAS PARK PLAN STA. 64+79 TO STA. 66+74 AND STA. 90+00 TO STA. 92+90
C2.00	CROSS SECTIONS (1)
C2.01	CROSS SECTIONS (2)
C2.02	WATER MAIN ENLARGED CONNECTION DETAILS (1)
C2.03	WATER MAIN ENLARGED CONNECTION DETAILS (2)
C3.01	PAVEMENT RESTORATION (1)
C3.02	PAVEMENT RESTORATION (2)
C3.03	PAVEMENT RESTORATION (3)
DETAILS	
D1.01	MISCELLANEOUS DETAILS (1)
D1.02	MISCELLANEOUS DETAILS (2)
D1.03	MISCELLANEOUS DETAILS (3)
D1.04	MISCELLANEOUS DETAILS (4)
D1.05	MISCELLANEOUS DETAILS (5)
D1.06	MISCELLANEOUS DETAILS (6)
TRAFFIC CONTROL	
TCP1.01	TRAFFIC CONTROL PLAN 1
TCP1.03	TRAFFIC CONTROL PLAN 3
TCP1.04	TRAFFIC CONTROL PLAN 4
TCP1.05	TRAFFIC CONTROL PLAN 5
TCP1.06	TRAFFIC CONTROL PLAN DETAILS



SECTION TITLE TARGET



DETAIL TITLE TARGET



SECTION & DETAIL TARGET

[illegible]

REPORT OF SURVEY

1.

TYPE OF SURVEY: TOPOGRAPHIC SURVEY. ANY USE OF THIS SURVEY FOR PURPOSES OTHER THAN WHICH IT WAS INTENDED, WITHOUT WRITTEN VERIFICATION, WILL BE AT THE USER'S SOLE RISK AND WITHOUT LIABILITY TO THE SURVEYOR. NOTHING HEREIN SHALL BE CONSTRUED TO GIVE ANY RIGHTS OR BENEFITS TO ANYONE OTHER THAN THOSE CERTIFIED TO.
2.

NO INSTRUMENTS OF RECORD REFLECTING EASEMENTS, RIGHTS-OF-WAY, AND/OR OWNERSHIP WERE FURNISHED TO OR PURSUED BY THE UNDERSIGNED OTHER THAN THOSE SHOWN HEREON. EASEMENTS OR RESTRICTIONS OF RECORD OTHER THAN THOSE SHOWN HEREON MAY EXIST.
3.

NO EXCAVATION WAS PERFORMED TO VERIFY THE LOCATION OR EXISTENCE OF ANY UNDERGROUND IMPROVEMENTS, STRUCTURES, OR FOUNDATIONS. UNDERGROUND UTILITIES SHOWN HEREON ARE SHOWN PER ABOVE GROUND EVIDENCE AND/OR RECORD DRAWINGS OR MUNICIPAL ATLAS INFORMATION AND THE LOCATION OF ALL UNDERGROUND UTILITY LINES ARE APPROXIMATE ONLY. THIS DOCUMENT SHOULD NOT BE RELIED UPON FOR EXCAVATION OR CRITICAL DESIGN FUNCTIONS WITHOUT FIELD VERIFICATION OF UNDERGROUND UTILITY LOCATIONS. UTILITIES OTHER THAN THOSE SHOWN HEREON MAY EXIST.
4.

UNLESS IT BEARS THE ORIGINAL SIGNATURE AND SEAL OF A FLORIDA LICENSED SURVEYOR AND MAPPER THIS DRAWING, SKETCH, PLAT OR MAP AND REPORT IS FOR INFORMATIONAL PURPOSES ONLY AND IS NOT VALID.
5.

ADDITIONS OR DELETIONS TO SURVEY MAPS OR REPORTS BY OTHER THAN THE SIGNING PARTY OR PARTIES IS PROHIBITED WITHOUT WRITTEN CONSENT OF THE SIGNING PARTY OR PARTIES.
6.

ADJOINING PROPERTY SHOWN HEREON ARE BASED ON INFORMATION OBTAINED FROM THE COUNTY PROPERTY APPRAISER WEB SITE AND IS FOR INFORMATIONAL PURPOSES ONLY.
7.

SEE MAP OF SURVEY FOR ON SITE TEMPORARY BENCHMARKS (TBM).
8.

ELEVATIONS SHOWN HEREON ARE IN FEET AND ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88). CONTROL MONUMENTS UTILIZED ARE DESIGNATED AS "BOOTH J" (PID = AL0128), HAVING A PUBLISHED ELEVATION OF 13.16 FEET, AND AS "BOOTH H" (PID = AL0127), HAVING A PUBLISHED ELEVATIONS OF 9.69 FEET, PUBLISHED BY THE NATIONAL GEODETTIC SURVEY.
9.

BEARINGS AND DISTANCES SHOWN HEREON ARE MEASURED UNLESS QUALIFIED OTHERWISE.
10.

BEARINGS SHOWN HEREON ARE MEASURED UNLESS OTHERWISE NOTED AND ARE BASED ON THE FLORIDA STATE PLANE COORDINATE SYSTEM, WEST ZONE, NAD 83 (2011) AND WERE DERIVED BY REDUNDANT GLOBAL POSITIONING SYSTEM (GPS) OBSERVATIONS UTILIZING A VIRTUAL REFERENCE STATION REAL TIME NETWORK (RTN) SOLUTION. BEARINGS SHOWN HEREON, AND QUALIFIED AS (D) FOR DEED, (P) FOR PLAT ARE A MEANS TO REFERENCE THE SURVEYED PARCEL TO THE DEED OR PLAT OF RECORD. MORE SPECIFICALLY THE CONTROL LINE AS SHOWN HEREON, AS BEING NORTH 19°07'12" WEST.
11.

BY SCALED DETERMINATION THE SUBJECT PROPERTY APPEARS TO LIE IN FLOOD ZONE X (MINIMAL FLOOD HAZARD)", PER FLOOD INSURANCE RATE MAP, MAP NUMBERS 12103C0089G, MAP EFFECTIVE DATES 9-03-2003. AN ACCURATE ZONE DETERMINATION SHOULD BE MADE BY THE PREPARER OF THE MAP, THE FEDERAL EMERGENCY MANAGEMENT AGENCY, OR THE LOCAL GOVERNMENT AGENCY HAVING JURISDICTION OVER SUCH MATTERS PRIOR TO ANY JUDGMENTS BEING MADE FROM THE ZONE AS NOTED.
12.

DISTANCES SHOWN HEREON ARE IN U.S. SURVEY FEET.
13.

LAST DATE OF FIELD SURVEY: 02/01/2021
14.

AERIAL IMAGERY SHOWN HEREON WAS OBTAINED FROM PINELLAS COUNTY. THE AERIAL IMAGE IS USED AS A BACKGROUND FOR LOCATION PURPOSES ONLY AND IS NOT TO BE CONSIDERED SURVEYED DATA FOR THIS SURVEY.

FLORIDA ONE CALL (IRTH ONE CALL)

1.

EXISTING UTILITY INFORMATION WAS PROVIDED VIA IIRTH ONE CALL, FIELD TICKET #109101359-000. PER THE DESIGN TICKET, THE FOLLOWING ARE THE UTILITY CONTACTS:

a.

CITY OF SAFETY HARBOR PUBLIC WORKS - JAMIE AHRENS - (727) 724-1550 EXT. 2008

b.

CHARTER COMMUNICATIONS - JEREMY CORNETTE - (863) 581-5734

c.

CLEARWATER GAS - JACINTA CORCOBA - (727) 422-9998

d.

DUKE ENERGY-ST. PETERSBURG - STEPHANIE OLMO - (407) 905-3376

e.

FRONTIER COMMUNICATIONS. - TONI CANNON - (813) 875 - 1014

f.

KNOLLOGY (WIDE OPEN WEST) - RICHARD LAGANGA - (727) 422 - 8040

g.

PINELLAS COUNTY HWY/ENG - TREVOR SINGH - (727) 464-8880

h.

MCI VERIZON - TIMOTHY COLE - (800) 624-9675 EXT. 2

i.

UNITI FIBER - CHARLIE CROFT - (251) 214-7059
2.

EXISTING UTILITY INFORMATION IS FOR INFORMATIONAL PURPOSES ONLY. EXISTING UTILITIES SHOWN ARE ILLUSTRATED FROM DRAWINGS PROVIDED BY THE UTILITY COMPANIES, COMBINED WITH VISUAL ABOVE GROUND APPURTENANCES AND MARKINGS PLACED BY THE UTILITIES.
3.

THE CONTRACTOR SHALL PROVIDE AT LEAST FORTY EIGHT (48) HOURS NOTICE TO ALL EXISTING UTILITY COMPANIES IN ORDER TO ALLOW FOR THE LOCATION OF EXISTING UNDERGROUND UTILITIES IN ADVANCE OF CONSTRUCTION. THE CONTRACTOR SHALL CONTACT "SUNSHINE STATE ONE CALL" 48 HOURS PRIOR TO OPERATIONS AT 1-800-432-4770.

GENERAL NOTES

1.

THE INFORMATION PROVIDED IN THESE PLANS IS SOLELY TO ASSIST THE CONTRACTOR IN ASSESSING THE NATURE AND EXTENT OF CONDITIONS WHICH WILL BE ENCOUNTERED DURING THE COURSE OF THE WORK. THE CONTRACTORS ARE DIRECTED, PRIOR TO BIDDING, TO CONDUCT WHATEVER INVESTIGATIONS THEY DEEM NECESSARY TO ARRIVE AT THEIR OWN CONCLUSIONS REGARDING THE ACTUAL CONDITIONS THAT WILL BE ENCOUNTERED, AND UPON WHICH THEIR BIDS WILL BE BASED.
2.

THE CONTRACTOR SHALL EMPLOY THE SERVICES OF A FLORIDA REGISTERED SURVEYOR AND MAPPER TO ESTABLISH THE PROPOSED PIPELINE, PROPERTY LINES, RIGHT-OF-WAY LINES, EASEMENTS, BASELINES, BENCH MARKS (ELEVATION), CENTER LINES AND STATIONING AS REQUIRED TO CONSTRUCT THIS PROJECT.
3.

LOCATIONS, ELEVATIONS, AND DIMENSIONS OF EXISTING UTILITIES, STRUCTURES, OTHER FEATURES AND PROPOSED FUTURE WORK ARE SHOWN BASED ON THE BEST INFORMATION AVAILABLE AT THE TIME OF PREPARATION OF THESE PLANS. THERE MAY BE OTHER IMPROVEMENTS WITHIN THE PROJECT AREA THAT ARE NOT SHOWN. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE EXACT LOCATIONS, ELEVATIONS, AND DIMENSIONS OF ALL EXISTING UTILITIES, STRUCTURES, AND OTHER FEATURES (WHETHER OR NOT SHOWN ON THESE PLANS) AFFECTING HIS WORK. THE CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS AND CONDITIONS PRIOR TO BEGINNING CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE OR RE-WORK RESULTING FROM FAILURE TO COMPLY WITH THESE INSTRUCTIONS.
4.

THE CONTRACTOR SHALL NOTIFY THE CITY ENGINEER IMMEDIATELY TO REPORT ANY CONFLICTS BETWEEN WHAT IS SHOWN HEREIN AND ACTUAL CONDITIONS DISCOVERED DURING CONSTRUCTION.
5.

THE CONTRACTOR SHALL COORDINATE WITH UTILITY COMPANIES TO RESOLVE CONFLICTS THAT MAY ARISE IN THE FIELD DURING CONSTRUCTION.
6.

THE CONTRACTOR SHALL COORDINATE WITH THE POWER COMPANY AND OTHER UTILITIES TO OBTAIN SUPPORT FOR UTILITY POLES WHERE CONSTRUCTION MAY CAUSE THE POLE TO LOSE ITS SUPPORT.
7.

FIELD CONDITIONS MAY NECESSITATE ALIGNMENT AND GRADE DEVIATION OF THE PROPOSED UTILITIES TO AVOID OBSTACLES, AS APPROVED BY THE ENGINEER OR THE OWNER'S REPRESENTATIVE.
8.

EXISTING SANITARY SEWER LATERALS SHOWN ARE FOR INFORMATION PURPOSES ONLY. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO FIELD LOCATE ALL SERVICE LATERALS PRIOR TO CONSTRUCTION.
9.

UTILITY SERVICES SHALL BE MAINTAINED AT ALL TIMES DURING CONSTRUCTION. EXCEPT FOR MINOR SHUT-DOWNS AS AUTHORIZED BY THE CITY.
10.

THE CONTRACTOR, WORKING WITH THE ENGINEER AND THE OWNER, SHALL COORDINATE THE SHUTDOWN, STARTUP AND/OR PARTIAL INTERFERENCE WITH ONGOING SYSTEM OPERATIONS. INSTALLATION AND WORK ON THE EXISTING SYSTEMS ARE NOT TO BE MADE DURING TIMES OF PEAK FLOWS. WRITTEN REQUEST SHALL BE PROVIDED 48 HOURS PRIOR TO SHUTTING DOWN ANY WATER MAIN.
11.

CONSTRUCTION OF PORTIONS OF THE PROJECT, AUTHORIZED BY PERMIT OR LICENSE AGREEMENT, ARE SUBJECT TO INSPECTION AND TESTS AS MAY BE NECESSARY BY THE PERMIT GRANTING AUTHORITY. ALL CONTRACTOR SUPERVISORY
- PERSONNEL SHALL FURNISH INFORMATION TO AND COOPERATE WITH THESE AUTHORITIES IN CONDUCTING THEIR TESTING AND INSPECTION PROGRAM.

12.

WORK SHALL BE IN ACCORDANCE WITH THE LATEST APPLICABLE FEDERAL, STATE AND LOCAL AGENCY'S REGULATIONS AND STANDARDS.

13.

ALL MATERIALS, INSTALLATION, AND TESTING SHALL BE PERFORMED IN COMPLIANCE WITH THE FDEP "NOTICE OF INTENT TO USE THE GENERAL PERMIT FOR CONSTRUCTION OF WATER MAIN EXTENSIONS FOR PWS'S", WHICH HAVE BEEN OBTAINED FOR THIS PROJECT.

14.

CONTRACTOR SHALL COMPLY WITH THE "TRENCH SAFETY ACT", CHAPTER 90-96, FLORIDA STATUTES.

15.

SIGNS & BARRICADES SHALL BE IN ACCORDANCE WITH LATEST F.D.O.T. MANUAL OF SAFE PRACTICES; REFERENCE F.D.O.T. INDEXES 600 THROUGH 670 AND 17349 PER ROADWAY AND TRAFFIC DESIGN STANDARDS LATEST EDITION.

16.

THE CONTRACTOR SHALL NOT ENTER UPON OR IN ANY WAY ALTER ANY WETLAND AREAS THAT MAY BE ENCOUNTERED. ALL WORK IN THE VICINITY OF OPEN WATER AND/OR WETLANDS IS TO BE PERFORMED IN COMPLIANCE WITH THE ENVIRONMENTAL REGULATIONS AND/OR PERMITS FOR THE PROJECT. THE CONTRACTOR WILL BE RESPONSIBLE FOR ANY FINE RESULTING FROM HIS VIOLATION OF ANY REGULATIONS OR PERMIT CONDITIONS.

17.

SPECIAL PIPE FOUNDATIONS, IF REQUIRED, SHALL BE DETERMINED IN THE FIELD AND THE TYPE REQUIRED WILL BE AS DIRECTED BY THE ENGINEER.

18.

THE CONTRACTOR SHALL PROVIDE ALL REQUIRED SHEETING AND TRENCH SHORING REQUIRED TO PROTECT EXISTING UTILITIES AND OTHER FACILITIES INTENDED TO REMAIN IN SERVICE.

19.

ALL VALVES SHALL BE APPROPRIATELY TAGGED OR LABELED. ALL PIPING, PIPELINES, VALVES, AND OUTLETS SHALL BE COLOR-CODED BLUE, OR OTHERWISE MARKED, ALL VALVE BOX COVERS SHALL BE MARKED "WATER".

20.

JOINT RESTRAINT SHALL BE PROVIDED AT ALL FITTINGS UNLESS NOTED OTHERWISE ON PLANS. THE MINIMUM LINEAR FEET RESTRAINED ON BOTH SIDES OF FITTINGS OR VALVES FOR DUCTILE IRON PIPE SHALL BE AS SHOWN ON THE DETAILS PROVIDED IN THESE DRAWINGS.

21.

THE CONTRACTOR SHALL LOCATE ANY POTENTIAL UTILITY CONFLICTS AND PROVIDE FITTINGS AND RESTRAINTS AS NECESSARY AHEAD OF PIPE LAYING OPERATIONS.

22.

CONTRACTOR SHALL USE TRENCH BOXES, SHEETING AND OTHER MEANS TO LIMIT THE WIDTH OF THE TRENCH AND AVOID ENCROACHMENT AND DAMAGE TO ADJACENT PROPERTY.

23.

CONTRACTOR SHALL PROVIDE A DECHLORINATION PLAN AND DESCRIPTION OF THE METHODS FOR DISPOSAL TO THE ENGINEER OF RECORD AND CITY OF SAFETY HARBOR FOR APPROVAL.

24.

CONTRACTOR SHALL PROVIDE THE CITY OF SAFETY HARBOR WITH 24 HOUR NOTICE PRIOR TO COMMENCING WORK WITHIN THE CITY LIMITS AND 48 HOUR NOTICE PRIOR TO PERFORMING ANY WET TAP TO THE CITY'S WATER DISTRIBUTION SYSTEM. WET TAPS ARE ONLY PERMITTED TO BE PERFORMED ON MONDAY OR TUESDAY AND BETWEEN THE HOURS OF 9:30AM-1:00PM.

25.

ANY DIGGING AND/OR DISTURBANCE TO THE ROADSIDE SWALES WITHIN THE RIGHT-OF-WAY OF THE CITY OF SAFETY HARBOR SHALL BE PROPERLY GRADED, SODDED AND RESTORED. CONTACT THE CITY OF SAFETY HARBOR PUBLIC WORKS DEPARTMENT. HYDROSEED SHALL NOT BE ACCEPTABLE.

26.

THE CONTRACTOR SHALL NOTIFY THE FOLLOWING PINELLAS COUNTY & CITY OF SAFETY HARBOR AGENCIES A MINIMUM OF 2 WEEKS IN ADVANCE IN WRITING, OF ANY ROAD CLOSURES, DETOURS AND CONSTRUCTION ACTIVITIES PRIOR TO CONSTRUCTION. THE NOTICE SHALL BE ACCOMPANIED WITH A SCHEDULE OF ROAD CLOSURES AND ANTICIPATED INTERRUPTIONS IN TRAFFIC.

SCHOOL BOARD OF PINELLAS COUNTY
ATTN: CAMMIE WEEKS
TRANSPORTATION DIVISION
CLERK OF ROAD CLOSURES
11111 SOUTH BELCHER ROAD
LARGO, FLORIDA 33773
PHONE: 727-587-2020
E-MAIL: weeksc@pcsb.org

SAFETY HARBOR FIRE DEPARTMENT
ATTN: ANDREW HAWKINS
FIRE CHIEF
700 MAIN STREET
SAFETY HARBOR, FLORIDA 34695
PHONE: 727-724-1535
E-MAIL: ahawkins@cityofsafetyharbor.com

UNITED STATES POST OFFICE
SAFETY HARBOR
ATTN: CRAIG HAUMANN
POST MASTER
303 MAIN STREET
SAFETY HARBOR, FLORIDA 34695
PHONE: 727-669-0253
E-MAIL: craig.haumann@usps.gov

CITY OF SAFETY HARBOR PUBLIC WORKS
ATTN: JAMIE AHRENS
ASSISTANT PUBLIC WORKS DIRECTOR
1200 RAILROAD AVENUE
SAFETY HARBOR, FLORIDA 34695
PHONE: 727-724-1550 EXT 2008
E-MAIL: cahrens@cityofsafetyharbor.com

PINELLAS COUNTY SHERIFF'S DEPARTMENT
ATTN: COMMUNICATIONS CENTER
10750 ULMERTON ROAD
LARGO, FLORIDA 33778
PHONE: 727-582-6200
FAX: 727-582-6432
E-MAIL: ssommer@pcsonet.com
- THE CONSTRUCTION AND ASSOCIATED INCIDENTAL WORK. WHEN CROSSWALK STRIPING IS IMPACTED BY CONSTRUCTION THE ENTIRE SIDEWALK IS TO BE RESTRIPTED. THESE ITEMS WILL BE PAID FOR UNDER THE RESTORATION PAY ITEM.

39.

CONTRACTOR SHALL RESTORE ALL SIDEWALKS, DRIVEWAYS, BRICK ROADS, ASPHALT, CURB AND ETC. THAT ARE DAMAGED DUE TO CONSTRUCTION OR ABANDONMENT OF THE WATER MAIN.

40.

ALL METER BOXES TO BE PLACED 2FT. FROM BACK OF SIDEWALK WHEN SIDEWALK IS GRATER THAT 5 FEET WIDE . IF SIDEWALK IS LESS THAT 5 FEET WIDE, METER BOXES SHALL BE PLACED 3 FEET FROM BACK OF SIDEWALK.

41.

ALL SURVEY MONUMENTS DISTURBED BY THE CONSTRUCTION ACTIVITIES SHALL BE REMOVED AND REPLACED. ANY DAMAGES TO SURVEY MONUMENTS BY THE CONSTRUCTION SHALL BE REPLACED WITH A COMPARABLE STRUCTURE OR BETTER AT THE CONTRACTORS EXPENSE.
- EROSION AND SEDIMENTATION CONTROL NOTES
1.

ALL PRACTICABLE EFFORT SHALL BE TAKEN DURING CONSTRUCTION TO CONTROL AND PREVENT EROSION AND TRANSPORT OF SEDIMENT MATERIALS TO INLETS, SURFACE DRAINS, WETLANDS AND LAKE AREAS, PER FDEP/SWFWM D "BEST MANAGEMENT PRACTICES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL RESTORATION EFFORTS THAT MAY BE REQUIRED.

2.

THE CONTRACTOR IS TO CONTROL ALL FUGITIVE DUST ORIGINATING FROM THE PROJECT BY WATERING OR OTHER METHODS AS REQUIRED.

3.

THE CONTRACTOR IS RESPONSIBLE FOR REMOVING SILT FROM THE SITE IF NOT REUSABLE ON-SITE AND ASSUMING PLAN ALIGNMENT AND GRADE IN ALL DITCHES AND SWALES AT COMPLETION OF CONSTRUCTION.

4.

ADDITIONAL PROTECTION - ON-SITE PROTECTION IN ADDITION TO THE ABOVE MUST BE PROVIDED THAT WILL NOT PERMIT SILT TO LEAVE THE PROJECT CONFINES DUE TO UNFORESEEN CONDITIONS OR ACCIDENTS.

5.

THE CONTRACTOR SHALL INSURE THAT ALL EXISTING DRAINAGE STRUCTURES, PIPES, ETC., ARE CLEANED OUT AND WORKING PROPERLY AT THE TIME OF PROJECT COMPLETION.

6.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING DIRT AND SEDIMENT FROM ALL CONSTRUCTION EQUIPMENT AND VEHICLES PRIOR TO ENTERING PUBLIC ROAD WAYS.

7.

THE CONTRACTOR SHALL CLEAN ALL ROADWAYS WITHIN OR ADJACENT TO THE PROJECT LIMITS ON A DAILY BASIS OR AS NEEDED TO PREVENT TRANSFER OF SEDIMENTATION.

8.

SILT FENCES AND FILTER BARRIERS SHALL BE INSPECTED IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL. ANY REQUIRED REPAIRS SHALL BE MADE IMMEDIATELY.

9.

SHOULD THE FABRIC ON A SILT FENCE OR FILTER BARRIER DECOMPOSE OR BECOME INEFFECTIVE PRIOR TO THE END OF THE EXPECTED USABLE LIFE AND THE BARRIER STILL BE NECESSARY, THE FABRIC OR BALES SHALL BE REPLACED PROMPTLY.

10.

SEDIMENT DEPOSITS SHOULD BE REMOVED AFTER EACH STORM EVENT. THEY MUST BE REMOVED WHEN THE DEPOSITS REACH APPROXIMATELY ONE-THIRD THE HEIGHT OF THE BARRIER.

11.

ANY SEDIMENT DEPOSITS REMAINING IN PLACE AFTER THE SILT FENCE OR FILTER BARRIER IS NO LONGER REQUIRED SHALL BE DRESSED TO CONFORM WITH EXISTING GRADE, PREPARED AND SEEDED.

12.

EXISTING STORM STRUCTURES SHALL BE INSPECTED AFTER EACH RAIN EVENT, REPAIRS MADE TO THE FILTER BARRIERS, AND SILT / SEDIMENT REMOVED FROM PIPES AND STRUCTURES AS NEEDED TO PROVIDE POSITIVE FLOW.

13.

SEDIMENT SHALL BE REMOVED AND THE TRAP RESTORED TO IT'S ORIGINAL DIMENSIONS WHEN THE SEDIMENT HAS ACCUMULATED TO 1/3 THE DESIGN DEPTH OF THE TRAP. REMOVED SEDIMENT SHALL BE DEPOSITED IN A SUITABLE AREA AND IN SUCH A MANNER THAT IT WILL NOT ERODE.

14.

THE CONTRACTOR IS RESPONSIBLE FOR FOLLOWING THE BEST EROSION AND SEDIMENT CONTROL PRACTICES AS OUTLINED IN THE PLANS, SPECIFICATIONS AND SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT SPECIFICATIONS AND CRITERIA.

15.

FOR ADDITIONAL INFORMATION ON SEDIMENT AND EROSION CONTROL REFER TO: "THE FLORIDA DEVELOPMENT MANUAL - A GUIDE TO SOUND LAND AND WATER MANAGEMENT", FROM THE STATE OF FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION (F.D.E.P.), CHAPTER 6.

16.

EROSION AND SEDIMENT CONTROL BARRIERS SHALL BE PLACED ADJACENT TO ALL WETLAND AREAS WHERE THERE IS A POTENTIAL FOR DOWNSTREAM WATER QUALITY DEGRADATION.

17.

ALL DISTURBED AREAS SHALL BE GRASSED, FERTILIZED, MULCHED AND MAINTAINED UNTIL A PERMANENT VEGETATIVE COVER IS ESTABLISHED.

18.

SOD SHALL BE PLACED IN AREAS WHICH MAY REQUIRE IMMEDIATE EROSION PROTECTION TO ENSURE WATER QUALITY STANDARDS ARE MAINTAINED.

19.

ANY DISCHARGE FROM DEWATERING ACTIVITY SHALL BE FILTERED AND CONVEYED TO THE OUTFALL IN A MANNER THAT LIMITS THE DISCHARGE TO 29 NTU ABOVE THE BACKGROUND CONCENTRATION OF THE OUTFALL.

20.

DEWATERING PUMPS SHALL NOT EXCEED THE CAPACITY OF THAT WHICH REQUIRES A CONSUMPTIVE USE PERMIT FROM THE SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT.

21.

ALL DISTURBED AREAS TO BE STABILIZED THROUGH COMPACTION, SILT SCREENS, HAY BALES AND GRASSING. ALL FILL SLOPES 3:1 OR STEEPER SHALL RECEIVE STAKED SOLID SOD.

22.

THESE NOTES INDICATE THE MINIMUM EROSION AND SEDIMENT MEASURES REQUIRED FOR THIS PROJECT. THE CONTRACTOR IS RESPONSIBLE FOR MEETING ALL APPLICABLE RULES, REGULATIONS AND WATER QUALITY GUIDELINES AND MAY NEED TO INSTALL ADDITIONAL CONTROLS.

23.

THE CONTRACTOR SHALL BE REQUIRED TO RESPOND TO ALL FDEP OR WATER MANAGEMENT DISTRICT INQUIRIES, RELATIVE TO THE COMPLIANCE FOR EROSION AND SEDIMENTATION CONTROL.

24.

THE CONTRACTOR IS RESPONSIBLE FOR REMOVING THE TEMPORARY EROSION AND SEDIMENT CONTROL DEVICES AFTER COMPLETION OF CONSTRUCTION AND ONLY WHEN AREAS HAVE BEEN STABILIZED.

25.

THE CONTRACTOR SHALL EXECUTE THE STORM WATER POLLUTION PREVENTION PLAN PROVIDED ON SHEET G1.03 PRIOR TO INITIATING CONSTRUCTION.
- PINELLAS COUNTY RIGHT OF WAY CONSTRUCTION NOTES
1.

THE FOLLOWING NOTES SHALL APPLY TO ALL CONSTRUCTION WITHIN THE PINELLAS COUNTY RIGHT-OF-WAY:

a.

ALL DESIGN AND CONSTRUCTION SHALL CONFORM TO THE MINIMUM STANDARDS SET DOWN IN PINELLAS COUNTY LAND DEVELOPMENT, ZONING AND/OR RELATED ORDINANCES, AND MINIMUM TESTING FREQUENCY REQUIREMENTS.

b.

ANY SIDEWALK WHICH BECOMES UNDERMINED SHALL BE REMOVED AND REPLACED, SIDEWALKS ARE TO BE RECONSTRUCTED WITHIN THREE (3) DAYS AFTER REMOVAL. WHEN EXISTING SIDEWALK IS REMOVED, IT IS TO BE REMOVED TO THE NEAREST JOINT.

c.

DISTURBED AREA WITHIN THE RIGHT OF WAY SHALL BE COMPACTED TO 100% OF MAXIMUM DENSITY AND SODDED OR PAVED AS APPROPRIATE.

d.

ANY PORTION OF THE ROADWAY THAT SUSTAINS EXCESSIVE CONSTRUCTION RELATED DAMAGE, IN THE OPINION OF PINELLAS COUNTY OPERATIONS DEPARTMENT, SHALL BE REPAIRED AT THE CONTRACTOR EXPENSE IN A MANNER SPECIFIED BY PINELLAS COUNTY OPERATIONS DEPARTMENT.

e.

PRIOR TO COMMENCEMENT OF WORK AND/OR PRIOR TO START OF RESTORATION. COORDINATE THROUGH A "WALK-THROUGH" WITH PINELLAS COUNTY OPERATIONS DEPARTMENT REPRESENTATIVE TO ENSURE MUTUAL AGREEMENT REGARDING SUCH MATTERS AS EXTENT OF ROADWAY TO BE OVERLAID AFTER PATCHING, THE EXTENT OF DRIVEWAY REPLACEMENT --ESPECIALLY CONCRETE, ETC.

f.

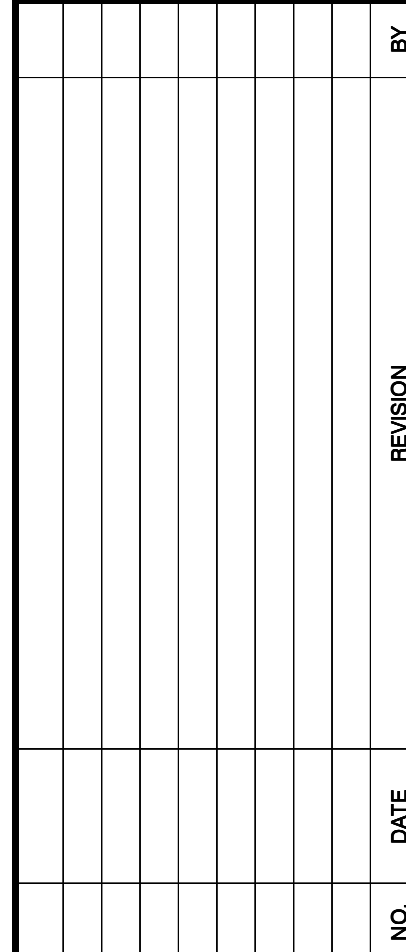
TESTING FREQUENCIES, LIMITS AND DENSITIES COMPLETED UNDER THIS PERMIT IN ASSOCIATION WITH MILLING ARE TO BE OBSERVED BY A COUNTY INSPECTOR.
- © 2008 BY PINELLAS COUNTY ENGINEERS, INC. ENGINEERS AND SURVEYORS MAY USE THESE DRAWINGS FOR ANY PROJECT ONLY IF THEY HAVE BEEN SPECIFICALLY TO CONSENTED TO DO SO. ANY OTHER USE OF THESE DRAWINGS WITHOUT WRITTEN PERMISSION OF PINELLAS COUNTY ENGINEERS, INC. IS PROHIBITED. THESE DRAWINGS ARE THE PROPERTY OF PINELLAS COUNTY ENGINEERS, INC. AND ARE NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM. WITHOUT PERMISSION IN WRITING FROM PINELLAS COUNTY ENGINEERS, INC. NO PART OF THESE DRAWINGS MAY BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM. WITHOUT PERMISSION IN WRITING FROM PINELLAS COUNTY ENGINEERS, INC. 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SITE DESCRIPTION	
PROJECT NAME: SEMINOLE PARK AND MAPLEWAY	OWNER OF PROJECT: CITY OF SAFETY HARBOR ENGINEERING DEPARTMENT
SITE LOCATION: AN AREA WITHIN THE CITY LIMITS OF THE CITY OF SAFETY HARBOR, FLORIDA ALONG POWHATAN ST., 13TH AVE. NORTH, 12TH AVE. NORTH, 11TH AVE. NORTH, MAIN ST., OKEECHOBEE ST., 3RD ST. NORTH, 10TH AVE. NORTH, MAPLEWAY, BELMONT ST., 12TH AVE. SOUTH, AND DR. MARTIN LUTHER KING JR ST. NORTH	OWNER'S ADDRESS: 750 MAIN STREET SAFETY HARBOR, FL 34695 PROJECT COORDINATES: LONGITUDE: 82° 42' 00" W LATITUDE: 27° 59' 00" N
DESCRIPTION OF NATURE OF CONSTRUCTION ACTIVITY	
INSTALLATION OF APPROXIMATELY 7,300 LINEAR FEET OF WATER DISTRIBUTION MAIN AND RECONNECTION OF APPROXIMATELY 100 ± WATER SERVICES.	
SOIL DISTURBING ACTIVITIES INCLUDE:	
EROSION CONTROL MEASURES, PIPE TRENCH EXCAVATION AND BACKFILL, PAVEMENT REPLACEMENT AND GRADING, AND PREPARATION FOR FINAL, SODDING, SEED & MULCHING.	
RUNOFF COEFFICIENT: N/A	
SITE AREA: N/A	
SEQUENCE OF MAJOR ACTIVITIES:	
<ol style="list-style-type: none"> 1. INSTALL SILT FENCE AND HAY BALES AS REQUIRED 2. EXCAVATE PIPE TRENCHES OR HDD RECEIVING/EXIT PITS OR SERVICE LATERAL PITS 3. STOCK PILE TOP SOIL IF REQUIRED 4. STABILIZE DENUDEED AREAS AND STOCKPILES AS SOON AS PRACTICABLE. 5. INSTALL UTILITIES 6. COMPLETE GRADING AND INSTALL PERMANENT SODDING/SEED & MULCHING 7. COMPLETE FINAL PAVING AND GRADING 8. WHEN ALL CONSTRUCTION ACTIVITY IS COMPLETE AND THE SITE IS STABILIZED, REMOVE ANY TEMPORARY CONTROLS. 	
NAME OF RECEIVING WATERS:	MULLET CREEK
CONTROLS	
EROSION AND SEDIMENT CONTROLS	
STABILIZATION PRACTICES	
<p>WIND EROSION STABILIZATION: THE CONTRACTOR SHALL DENUDE ONLY AREAS WHERE IT IS EXPECTED TO BE EXCAVATED OR ALTERED WITHIN A TWO (2) WEEK TIME-FRAME. FINAL GRADES SHALL BE PERFORMED AND TEMPORARY OR PERMANENT SOIL STABILIZATION SHALL BE APPLIED. AREAS WHERE CONSTRUCTION OPERATIONS WILL BE CONTINUOUS, FUGITIVE DUST SHALL BE MANAGED BY APPLYING A WATER SPRAY TO SATURATE THE SURFACE SOILS ON A DAILY BASIS, OR AS NEEDED TO MAINTAIN MINIMAL DUST TRANSPORT. FUGITIVE DUST SHALL BE MONITORED CONTINUOUSLY AND ADDITIONAL MEASURES MAY NEED TO BE TAKEN TO CONTROL OFF-SITE TRANSPORT OF UNACCEPTABLE LEVELS OF DUST.</p> <p>TEMPORARY STABILIZATION: TOP SOIL STOCK PILES AND DISTURBED PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITY TEMPORARILY CEASES FOR AT LEAST 10 DAYS WILL BE STABILIZED WITH TEMPORARY GRASS AND MULCH NO LATER THAN 5 DAYS FROM THE LAST CONSTRUCTION ACTIVITY. GRASS SEED SHALL BE A MIXTURE OF 20 PARTS OF BERMUDA SEED AND 80 PARTS OF PENSACOLA BAHIA. THE SEPARATE TYPES OF SEED USED SHALL BE THOROUGHLY DRY MIXED IMMEDIATELY BEFORE SOWING. SEED WHICH HAS BECOME WET SHALL NOT BE USED. THE MULCH MATERIAL USED SHALL NORMALLY BE DRY MULCH. DRY MULCH SHALL BE STRAW OR HAY, CONSISTING OF OAT, RYE OR WHEAT STRAW, OR OF PANGOLA, PEANUT, COASTAL BERMUDA OR BAHIA GRASS HAY. ONLY UNDETERIORATED MULCH WHICH CAN BE READILY CUT INTO THE SOIL SHALL BE USED. AREAS OF THE SITE WHICH ARE TO BE PAVED WILL BE TEMPORARILY STABILIZED BY APPLYING STABILIZATION AND BASE.</p> <p>PERMANENT STABILIZATION: DISTURBED PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES PERMANENTLY CEASES SHALL BE STABILIZED AND RESTORED TO PRECONSTRUCTION CONDITIONS NO LATER THAN 5 DAYS AFTER THE LAST CONSTRUCTION ACTIVITY.</p>	
STRUCTURAL PRACTICES	
<p>STAKED SILT FENCES: THE STAKED SILT FENCES WILL BE CONSTRUCTED ALONG THE PERIMETER AS PREVIOUSLY EXPLAINED. THESE DEVICES WILL FILTER RUNOFF AND/OR DIVERT RUNOFF TO THE SEDIMENT BASINS (IF NEEDED).</p> <p>SEDIMENT BASINS: IF NEEDED, SEDIMENT BASINS WILL BE CONSTRUCTED TO A MINIMUM OF 2' BELOW EXISTING GROUND AT THE CONTRACTORS DISCRETION TO ALLOW SILTS TO BE COLLECTED AND REMOVED. EACH BASIN SHALL HAVE SIDE SLOPES NO STEEPER THAN 4:1 AND BE STABILIZED PRIOR TO USE.</p>	
STORM WATER MANAGEMENT	
STORM WATER DRAINAGE WILL BE PROVIDED BY SWALE, TEMPORARY AND SEDIMENT BASINS, AS NEEDED. SWALES TO BE SODDED AND INCLUDE CHECK DAMS, RIP RAP, HAY BALES OR OTHER CONTROLS TO CONTROL RUNOFF VELOCITY AND TRANSPORT OF SEDIMENT. WHEN CONSTRUCTION IS COMPLETE THE IMPROVED PORTION OF THE SITE WILL DRAIN AS IT DID PRIOR TO THE UTILITY INSTALLATION.	
OTHER CONTROLS	
WASTE DISPOSAL	
<p>WASTE MATERIALS: ALL WASTE MATERIAL WILL BE COLLECTED AND STORED IN DUMPSTERS. ALL TRASH AND CONSTRUCTION DEBRIS FROM THE SITE WILL BE DEPOSITED IN THE DUMPSTERS. THE DUMPSTERS WILL BE EMPTIED A MINIMUM OF ONCE A WEEK OR MORE OFTEN IF NECESSARY, AND THE TRASH WILL BE HAULED TO A REGISTERED LANDFILL FOR DISPOSAL. NO EXCESS CONSTRUCTION MATERIALS WILL BE BURIED ON-SITE. ALL PERSONNEL WILL BE INSTRUCTED REGARDING THE CORRECT PROCEDURE FOR WASTE DISPOSAL. NOTICES STATING THESE PRACTICES WILL BE POSTED IN THE ON-SITE OFFICE TRAILER AND THE CONSTRUCTION MANGER RESPONSIBLE FOR THE DAY-TO-DAY SITE OPERATIONS, WILL BE RESPONSIBLE FOR SEEING THAT THESE PROCEDURES ARE FOLLOWED.</p> <p>HAZARDOUS WASTE: ALL HAZARDOUS WASTE MATERIALS, IF ENCOUNTERED, WILL BE DISPOSED OF IN THE MANNER SPECIFIED BY LOCAL OR STATE REGULATIONS. THE CONTRACTOR WILL BE RESPONSIBLE FOR SEEING THAT THESE PRACTICES ARE FOLLOWED.</p> <p>SANITARY WASTE: ALL SANITARY WASTE WILL BE COLLECTED FROM PORTABLE UNITS A MINIMUM OF THREE TIMES PER WEEK BY A LICENSED SANITARY WASTE MANAGEMENT CONTRACTOR, AS REQUIRED BY LOCAL REGULATION.</p>	
OFFSITE VEHICLE TRACKING	
THE PAVED STREETS WILL BE CLEANED AS NEEDED TO REMOVE ANY EXCESS MUD, DIRT OR ROCK TRACKED FROM/TO THE SITE. DUMP TRUCKS HAULING MATERIAL FROM OR TO THE SITE WILL BE COVERED WITH A TARPULIN AT ALL TIMES.	

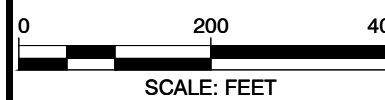
TIMEING OF CONTROL MEASURES	
AS INDICATED IN THE SEQUENCE OF MAJOR ACTIVITIES, STAKED SILT BARRIERS, STABILIZED CONSTRUCTION ENTRANCES AND SEDIMENT BASINS WILL BE CONSTRUCTED PRIOR TO CLEARING OR GRADING OF ANY OTHER PORTIONS OF THE SITE. AREAS WHERE CONSTRUCTION ACTIVITY TEMPORARILY CEASES FOR MORE THAN 21 DAYS WILL BE STABILIZED WITH A TEMPORARY GRASS AND MULCH WITHIN 5 DAYS OF THE LAST DISTURBANCE. ONCE CONSTRUCTED ACTIVITY CEASES PERMANENTLY IN THAT AREA, THAT AREA WILL BE RESTORED TO PRECONSTRUCTION CONDITIONS AFTER THE ENTIRE SITE IS STABILIZED, THE ACCUMULATED SEDIMENT WILL BE REMOVED FROM THE TRAPS AND THE STAKED SILT BARRIERS WILL BE REMOVED.	
CERTIFICATION OF COMPLIANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS	
THE STORM WATER POLLUTION PREVENTION PLAN REFLECTS THE SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT'S (SWFWMD) REQUIREMENTS FOR STORM WATER MANAGEMENT AND EROSION AND SEDIMENT CONTROL, AS ESTABLISHED BY THE FLORIDA ADMINISTRATIVE CODE, CHAPTER 40D-4 AND 40D-40. TO ENSURE COMPLIANCE, THIS PLAN WAS PREPARED IN ACCORDANCE WITH SWFWMD'S "BASIS OF REVIEW FOR SURFACE WATER MANAGEMENT PERMIT APPLICATIONS WITHIN THE SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT." THIS PLAN ALSO REFLECTS THE REQUIREMENTS OF THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION FOR WORK IN BRANCH 6.	
MAINTENANCE INSPECTION PROCEDURES	
EROSION AND SEDIMENT CONTROL INSPECTION AND MAINTENANCE PRACTICES	
THESE ARE THE INSPECTION AND MAINTENANCE PRACTICES THAT SHALL BE USED TO MAINTAIN EROSION AND SEDIMENT CONTROL. ALL CONTROL MEASURES IN DISTURBED AREAS WILL BE INSPECTED AT LEAST ONCE EACH WEEK AND WITHIN 24 HOURS OF THE END OF ANY STORM EVENT OF 0.25 INCHES OR GREATER BY A CONTRACTORS REPRESENTATIVE. (WHERE SITES HAVE BEEN FINALLY STABILIZED SUCH INSPECTIONS SHALL BE CONDUCTED AT LEAST ONCE EVERY MONTH.) ALL MEASURES WILL BE MAINTAINED IN GOOD WORKING ORDER; IF A REPAIR IS NECESSARY, IT WILL BE INITIATED WITHIN 24 HOURS OF REPORT. BUILT UP SEDIMENT WILL BE REMOVED FROM SILT FENCE WHEN IT HAS REACHED ONE-THIRD THE HEIGHT OF THE FENCE. SILT FENCE WILL BE INSPECTED REGULARLY FOR DEPTH OF SEDIMENT, TEARS, TO SEE IF THE FABRIC IS SECURELY ATTACHED TO THE FENCE POSTS, AND TO SEE THAT THE FENCE POSTS ARE FIRMLY IN THE GROUND. THE SEDIMENT BASINS WILL BE INSPECTED FOR DEPTH OF SEDIMENT, AND BUILT UP SEDIMENT WILL BE REMOVED WHEN IT REACHES 10 PERCENT OF THE DESIGN CAPACITY OR AT THE END OF THE JOB. TEMPORARY AND PERMANENT GRASSING, MULCHING AND SODDING WILL BE INSPECTED FOR BARE SPOTS, WASHOUTS, AND HEALTHY GROWTH. A MAINTENANCE INSPECTION REPORT SHALL BE MADE AFTER EACH INSPECTION BY THE CONTRACTOR AND SHALL BE KEPT IN AN ACTIVE LOG READILY AVAILABLE AT THE JOB SITE CONSTRUCTION TRAILER. THE SITE SUPERINTENDENT WILL SELECT INDIVIDUALS WHO WILL BE RESPONSIBLE FOR MAINTENANCE AND REPAIR ACTIVITIES. FILLING OUT THE INSPECTION AND MAINTENANCE REPORT WILL BE BY THE CONTRACTOR. PERSONNEL SELECTED FOR AND MAINTENANCE RESPONSIBILITIES WILL RECEIVE TRAINING FROM THE SITE SUPERINTENDENT. THEY WILL BE TRAINED IN ALL MAINTENANCE PRACTICES NECESSARY FOR KEEPING THE EROSION AND SEDIMENT CONTROLS USED ON-SITE IN GOOD WORKING ORDER.	
NON-STORM WATER DISCHARGES	
IT IS EXPECTED THAT THE FOLLOWING NON-STORM WATER DISCHARGES WILL OCCUR FROM THE SITE DURING THE CONSTRUCTION PERIOD: WATER FROM DEWATERING, WATER LINE FLUSHING, WATER USED TO SPRAY OFF LOOSE SOILS FROM VEHICLES, DUST CONTROL, PAVEMENT WASH WATERS (WHERE NO SPILLS OR LEAKS OF TOXIC OR HAZARDOUS MATERIALS HAVE OCCURRED). ALL NON-STORM WATER DISCHARGES WILL BE DIRECTED TO A SEDIMENT BASIN PRIOR TO DISCHARGE. GROUNDWATER DEWATERING ACTIVITIES ARE NOT COVERED BY THIS PERMIT. THE CONTRACTOR SHALL APPLY FOR COVERAGE UNDER THE GENERIC PERMIT FOR THE DISCHARGE OF PRODUCED GROUNDWATER FROM ANY NON-CONTAMINATED SITE ACTIVITY PURSUANT TO 62-621.300 (2), F.A.C.	
INVENTORY FOR POLLUTION PREVENTION PLAN	
THE MATERIALS OR SUBSTANCES LISTED BELOW ARE EXPECTED, BUT NOT LIMITED TO, BE PRESENT ON SITE DURING CONSTRUCTION:	
CONCRETE DETERGENTS PAINTS (ENAMEL AND LATEX) METAL TRENCH BOXES TAR (PAVEMENT) SAND	FERTILIZERS PETROLEUM BASED PRODUCTS AND FUELS CLEANING SOLVENTS WOOD STONE
SPILL PREVENTION	
MATERIAL MANAGEMENT PRACTICES	
THE FOLLOWING ARE THE MATERIAL MANAGEMENT PRACTICES THAT WILL BE USED TO REDUCE THE RISK OF SPILLS OR OTHER ACCIDENTAL EXPOSURE OF MATERIALS AND SUBSTANCES TO STORM WATER RUNOFF. GOOD HOUSEKEEPING: THE FOLLOWING GOOD HOUSEKEEPING PRACTICES SHALL BE FOLLOWED ON-SITE DURING THE CONSTRUCTION PROJECT. AN EFFORT SHALL BE MADE TO STORE ONLY ENOUGH PRODUCT REQUIRED TO DO THE JOB. ALL MATERIALS STORED ON-SITE SHALL BE STORED IN A NEAT, ORDERLY MANNER IN THEIR APPROPRIATE CONTAINERS AND, IF POSSIBLE, UNDER A ROOF OR OTHER CONTAINED ENCLOSURE. PRODUCTS SHALL BE KEPT IN THEIR ORIGINAL MANUFACTURER'S LABELED CONTAINERS. SUBSTANCES SHALL NOT BE MIXED WITH ONE ANOTHER UNLESS RECOMMENDED BY THE MANUFACTURER. WHENEVER POSSIBLE, ALL OF A PRODUCT SHALL BE USED UP BEFORE DISPOSING OF THE CONTAINER. MANUFACTURERS' RECOMMENDATIONS FOR PROPER USE AND DISPOSAL SHALL BE FOLLOWED. THE SITE SUPERINTENDENT SHALL INSPECT DAILY TO ENSURE PROPER USE AND DISPOSAL OF MATERIALS ON-SITE. HAZARDOUS PRODUCTS: THESE PRACTICES ARE USED TO REDUCE THE RISKS ASSOCIATED WITH HAZARDOUS MATERIALS. PRODUCTS SHALL BE KEPT IN ORIGINAL CONTAINERS UNLESS THEY ARE NOT RESEALABLE. ORIGINAL LABELS AND MATERIAL SAFETY DATA SHALL BE RETAINED; THEY CONTAIN IMPORTANT PRODUCT INFORMATION. IF SURPLUS PRODUCT MUST BE DISPOSED OF, MANUFACTURERS' OR LOCAL AND STATE RECOMMENDED METHODS OF PROPER DISPOSAL SHALL BE FOLLOWED. THE FOLLOWING PRODUCT SPECIFIC PRACTICES WILL BE FOLLOWED ON-SITE: PETROLEUM PRODUCTS: ALL ON-SITE VEHICLES WILL BE MONITORED FOR LEAKS AND RECEIVE REGULAR PREVENTIVE MAINTENANCE TO REDUCE THE CHANCE OF LEAKAGE. PETROLEUM PRODUCTS WILL BE STORED IN TIGHTLY SEALED CONTAINERS WHICH ARE CLEARLY LABELED. ANY ASPHALT SUBSTANCES USED ON-SITE WILL BE APPLIED ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS.	

<p>FERTILIZERS:</p> <p>FERTILIZERS USED WILL BE APPLIED ONLY IN THE MINIMUM AMOUNTS RECOMMENDED BY THE MANUFACTURER. ONCE APPLIED, FERTILIZER WILL BE WORKED INTO THE SOIL TO LIMIT EXPOSURE TO STORM WATER. STORAGE WILL BE IN A COVERED SHED. THE CONTENTS OF ANY PARTIALLY USED BAGS OF FERTILIZER WILL BE TRANSFERRED TO A SEALABLE PLASTIC BIN TO AVOID SPILLS.</p> <p>PAINTS:</p> <p>ALL CONTAINERS WILL BE TIGHTLY SEALED AND STORED WHEN NOT REQUIRED FOR USE. EXCESS PAINT WILL NOT BE DISCHARGED TO THE STORM SEWER SYSTEM BUT WILL BE PROPERLY DISPOSED OF ACCORDING TO MANUFACTURERS' INSTRUCTIONS OR STATE AND LOCAL REGULATIONS.</p> <p>CONCRETE TRUCKS:</p> <p>CONTRACTOR SHALL DESIGNATE AN AREA FOR DISCHARGE OF SURPLUS CONCRETE OR DRUM WASH WATER AND SHALL INSTALL A CONTAINMENT BERM AROUND THIS AREA TO PREVENT RUNOFF TO THE REMAINDER OF THE SITE. HARD DEBRIS SHALL BE DISPOSED OF BY CONTRACTOR IN ACCORDANCE WITH LOCAL RULES AND REGULATIONS UPON COMPLETION OF THE PROJECT.</p>		
SPILL CONTROL PRACTICES		
<p>IN ADDITION TO THE GOOD HOUSEKEEPING AND MATERIAL MANAGEMENT PRACTICES DISCUSSED IN THE PREVIOUS SECTIONS OF THIS PLAN, THE FOLLOWING PRACTICES SHALL BE FOLLOWED FOR SPILL PREVENTION AND CLEANUP:</p> <p>MANUFACTURERS' RECOMMENDED METHODS FOR SPILL CLEANUP WILL BE CLEARLY POSTED AND SITE PERSONNEL WILL BE MADE AWARE OF THE PROCEDURES AND THE LOCATION OF THE INFORMATION AND CLEANUP SUPPLIES.</p> <p>MATERIALS AND EQUIPMENT NECESSARY FOR SPILL CLEANUP WILL BE KEPT IN THE MATERIAL STORAGE AREA ON-SITE. EQUIPMENT AND MATERIALS WILL INCLUDE, BUT NOT BE LIMITED TO, BROOMS, DUST PANS, MOPS, RAGS, GLOVES, GOGGLES, KITTY LITTER, SAND, SAWDUST, AND PLASTIC AND METAL TRASH CONTAINERS. SPECIFICALLY FOR THIS PURPOSE.</p> <p>ALL SPILLS WILL BE CLEANED UP IMMEDIATELY AFTER DISCOVERY.</p> <p>THE SPILL AREAS WILL BE KEPT WELL VENTILATED AND PERSONNEL WILL WEAR APPROPRIATE PROTECTIVE CLOTHING TO PREVENT INJURY FROM CONTACT WITH A HAZARDOUS SUBSTANCE.</p> <p>SPILLS OF TOXIC OR HAZARDOUS MATERIAL WILL BE REPORTED TO THE APPROPRIATE STATE OR LOCAL GOVERNMENT AGENCY, REGARDLESS OF THE SIZE.</p> <p>THE SPILL PREVENTION PLAN WILL BE ADJUSTED TO INCLUDE MEASURES TO PREVENT THIS TYPE OF SPILL FROM REOCCURRING AND HOW TO CLEAN UP THE SPILL IF THERE IS ANOTHER ONE. A DESCRIPTION OF THE SPILL, WHAT CAUSED IT, AND THE CLEANUP MEASURES WILL ALSO BE INCLUDED.</p> <p>THE SITE SUPERINTENDENT RESPONSIBLE FOR THE DAY-TO-DAY SITE OPERATIONS, WILL BE THE SPILL PREVENTION AND CLEANUP COORDINATOR. HE WILL DESIGNATE OTHER SITE PERSONNEL WHO WILL RECEIVE SPILL PREVENTION AND CLEANUP TRAINING. THESE INDIVIDUALS WILL EACH BECOME RESPONSIBLE FOR A PARTICULAR PHASE OF PREVENTION AND CLEANUP. THE NAMES OF RESPONSIBLE SPILL PERSONNEL WILL BE POSTED IN THE MATERIAL STORAGE AREA AND IN THE OFFICE TRAILER ON-SITE.</p>		
NOTICE OF INTENT AND NOTICE OF TERMINATION		
<p>THE CONTRACT SHALL BE RESPONSIBLE FOR FILING A NOTICE OF INTENT (NOI) IN COMPLIANCE WITH FDEP 62-621.300 F.A.C. A COPY OF THE NOI SHALL BE PROVIDED TO THE OWNER.</p> <p>A NOTICE OF TERMINATION WILL BE SUBMITTED TO FDEP AFTER THE CONSTRUCTION HAS BEEN COMPLETED AND THE SITE HAS UNDERGONE FINAL STABILIZATION.</p>		
POLLUTION PREVENTION PLAN CERTIFICATION		
<p>I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS HAVE BEEN READ BY ME OR MY DESIGNATED REPRESENTATIVE AND UNDERSTAND THAT THIS SYSTEM HAS BEEN PREPARED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.</p>		
<p><u>CONTRACTOR REPRESENTATIVE</u></p> <p>SIGNED: _____</p> <p>NAME AND TITLE: _____</p> <p>COMPANY: <u>CITY OF SAFETY HARBOR ENGINEERING DEPARTMENT</u></p> <p>ADDRESS: <u>730 MAIN STREET</u> <u>SAFETY HARBOR, FL 34695</u></p> <p>DATE: _____</p>		
CONTRACTOR'S CERTIFICATION		
<p>I CERTIFY UNDER PENALTY OF LAW THAT I UNDERSTAND THE TERMS AND CONDITIONS OF THE GENERIC STORM WATER PERMIT ISSUED PURSUANT TO SECTION 403.0885, F.S., THAT AUTHORIZES THE STORM WATER DISCHARGES ASSOCIATED WITH INDUSTRIAL ACTIVITY FROM THE CONSTRUCTION SITE IDENTIFIED AS PART OF THIS CERTIFICATION.</p>		
SIGNATURE FOR	RESPONSIBLE FOR	
_____ NAME: _____ TITLE: _____ DATE: _____	COMPANY: _____ ADDRESS: _____ PHONE: _____	GENERAL CONTRACTOR TBD
_____ NAME: _____ TITLE: _____ DATE: _____	COMPANY: _____ ADDRESS: _____ PHONE: _____	TEMPORARY AND PERMANENT STABILIZATION
_____ NAME: _____ TITLE: _____ DATE: _____	COMPANY: _____ ADDRESS: _____ PHONE: _____	STABILIZED CONSTRUCTION ENTRANCE, EARTH DIKES, SEDIMENT BASIN

[illegible]



SEMINOLE PARK AND MAPLEWAY WATER MAIN REPLACEMENT (UT0096)	OVERALL EXISTING WATERMAIN ABANDONMENT SITE PLAN
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Engineering Dept.
750 Main Street
Safety Harbor, Florida 34695
Phone (727) 724-1555

[illegible]

**SEMINOLE PARK AND MAPLEWAY
WATER MAIN REPLACEMENT (UT0096)**

OVERALL PROJECT SITE PLAN AND KEY MAP

JOB NO:	0279-00026-2022-0998
DATE:	JUNE 2022

C1.00

BID DOCUMENTS
06/25/2025

[illegible]

**SEMINOLE PARK AND MAPLEWAY
WATER MAIN REPLACEMENT (UT0096)**

JOB NO:	0279-00026-2022-0998
DATE:	JUNE 2022

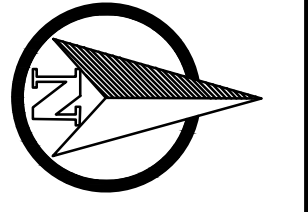
C1.01

BID DOCUMENTS
06/25/2025



MATCH LINE, SEE SHEET C1.06

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10. EXISTING SAN. SEWER LATERALS SHOWN FOR INFORMATIONAL PURPOSES. CONTRACTOR TO CONFIRM HORIZONTAL & VERTICAL LOCATIONS PRIOR TO CONSTRUCTION.



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Phone (727) 724-1555

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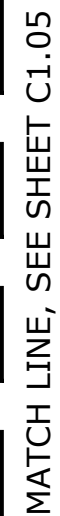
WATER MAIN REPLACEMENT (UT0096)

12TH AVE N AND OKEECHOBEE ST PLAN
STA. 8+60 TO STA. 13+50 AND
STA. 102+41 TO STA. 106+30

0: 0279-00026-2022-0998
JUNE 2022

C1.03

BID DOCUMENTS
06/25/2025

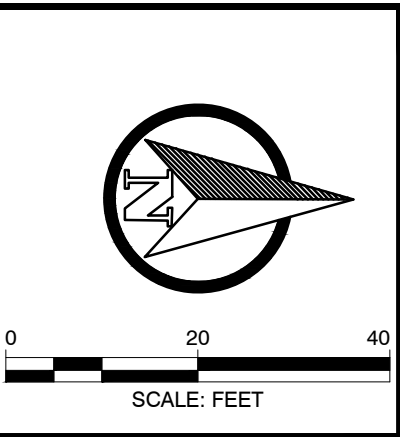
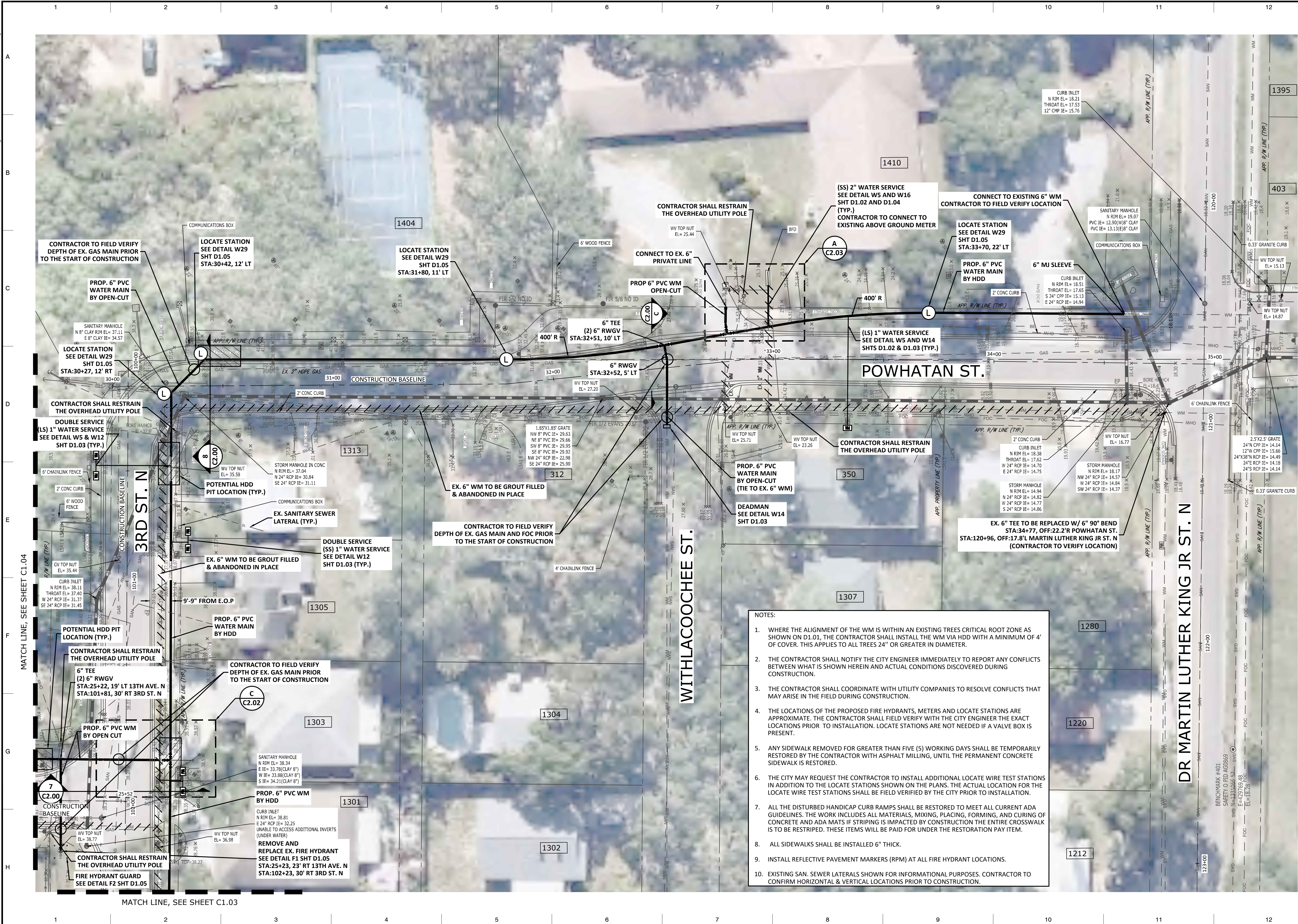


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(*) - EEG2 WAS LOCATED VIA GPR, NO TEST HOLE.





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City of Safety Harbor, Florida
Engineering Dept.
750 Main Street
Safety Harbor, Florida 34695
Phone: (727) 724-1555

NO.	DATE	REVISION	BY

**SEMINOLE PARK AND MAPLEWAY
WATER MAIN REPLACEMENT (UT0096)**

POWHATAN ST, 3RD ST AND 13TH AVE N PLAN
STA. 30+00 TO STA. 35+00, STA. 100+00 TO
STA. 102+41 STA. 25+11 TO STA. 25+52 AND

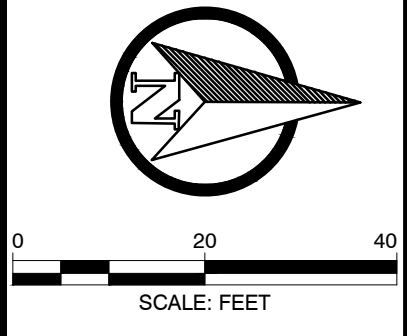
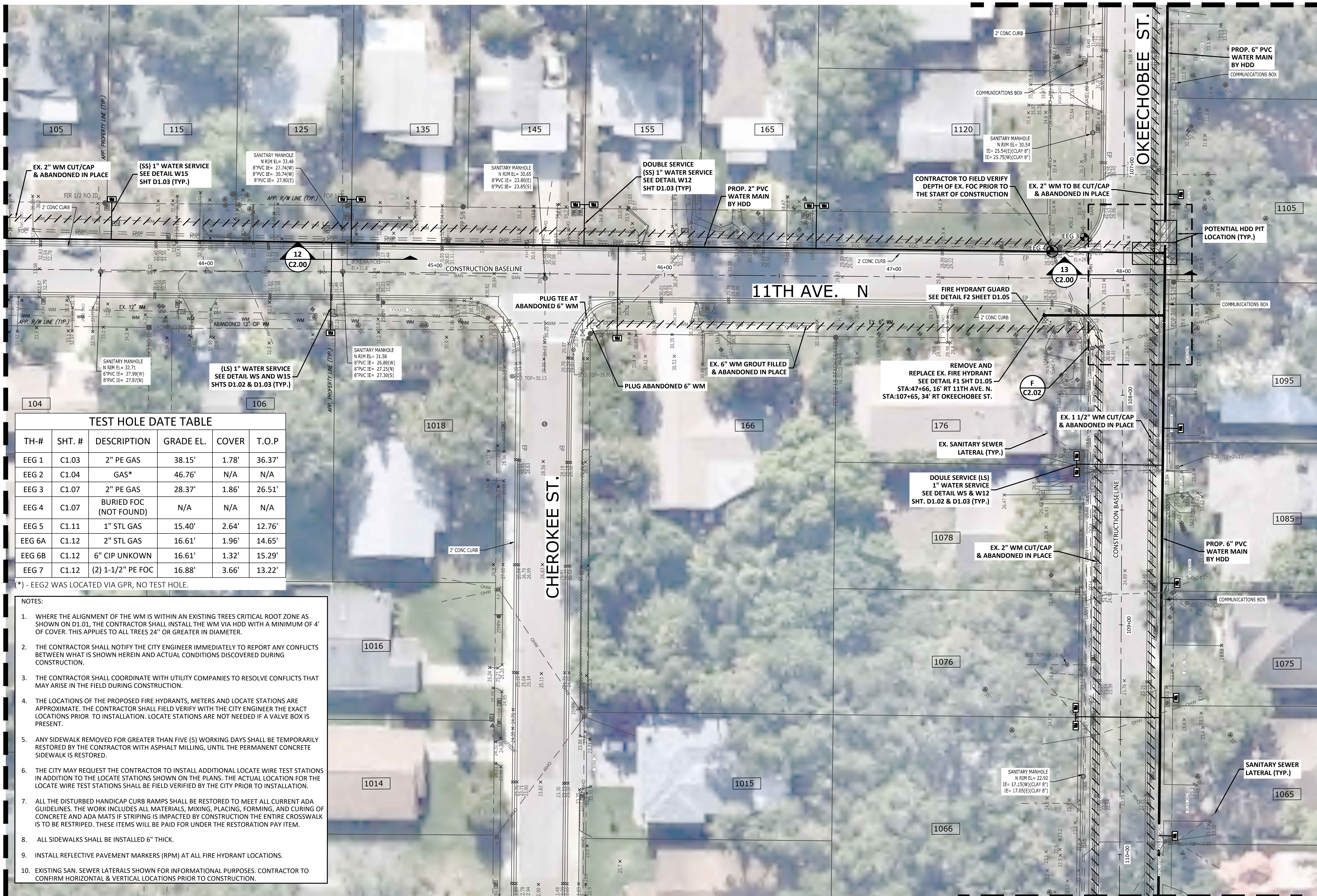
C1.05

BID DOCUMENTS
06/25/2025

TEST HOLE DATE TABLE					
TH-#	SHT. #	DESCRIPTION	GRADE EL.	COVER	T.O.P
EEG 1	C1.03	2" PE GAS	38.15'	1.78'	36.37'
EEG 2	C1.04	GAS*	46.76'	N/A	N/A
EEG 3	C1.07	2" PE GAS	28.37'	1.86'	26.51'
EEG 4	C1.07	BURIED FOC (NOT FOUND)	N/A	N/A	N/A
EEG 5	C1.11	1" STL GAS	15.40'	2.64'	12.76'
EEG 6A	C1.12	2" STL GAS	16.61'	1.96'	14.65'
EEG 6B	C1.12	6" CIP UNKOWN	16.61'	1.32'	15.29'
EEG 7	C1.12	(2) 1-1/2" PE FOC	16.88'	3.66'	13.22'

(*) - EEG2 WAS LOCATED VIA GPR, NO TEST HOLE.

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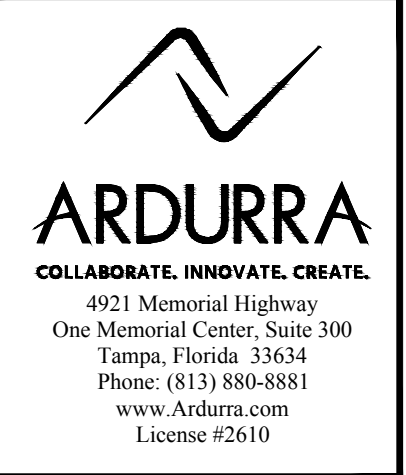
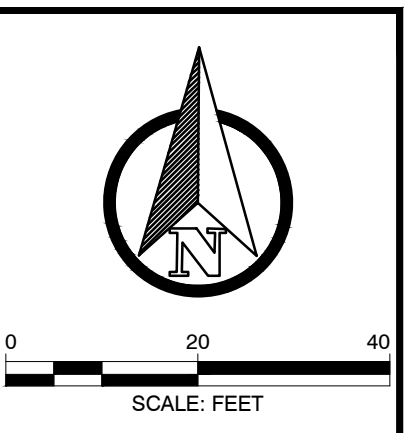
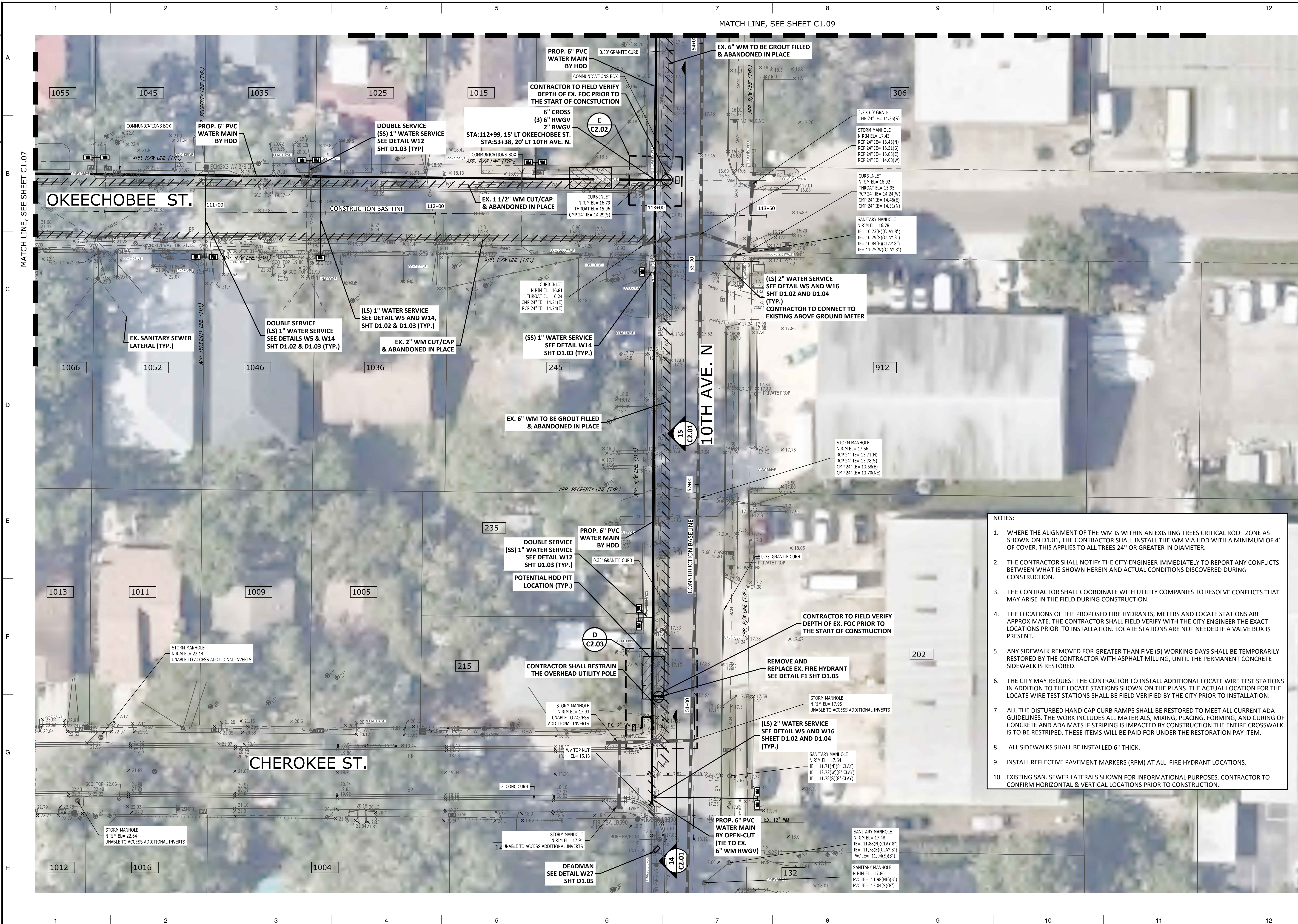
REVISION		BY
NO.	DATE	

**SEMINOLE PARK AND MAPLEWAY
WATER MAIN REPLACEMENT (UT0096)**

11TH AVE N AND OKEECHOBEE ST PLAN
STA. 43+11 TO STA. 48+00 AND
STA. 106+30 TO STA. 110+19

JOB NO.: 0279-00026-2022-0998
DATE: JUNE 2022

C1.07

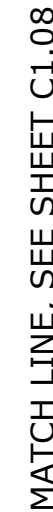
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**SEMINOLE PARK AND MAPLEWAY
WATER MAIN REPLACEMENT (UT0096)**

JOB NO:	0279-00026-2022-0998
DATE:	JUNE 2022

C1.08

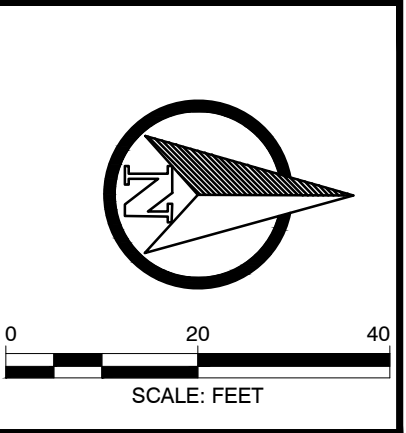
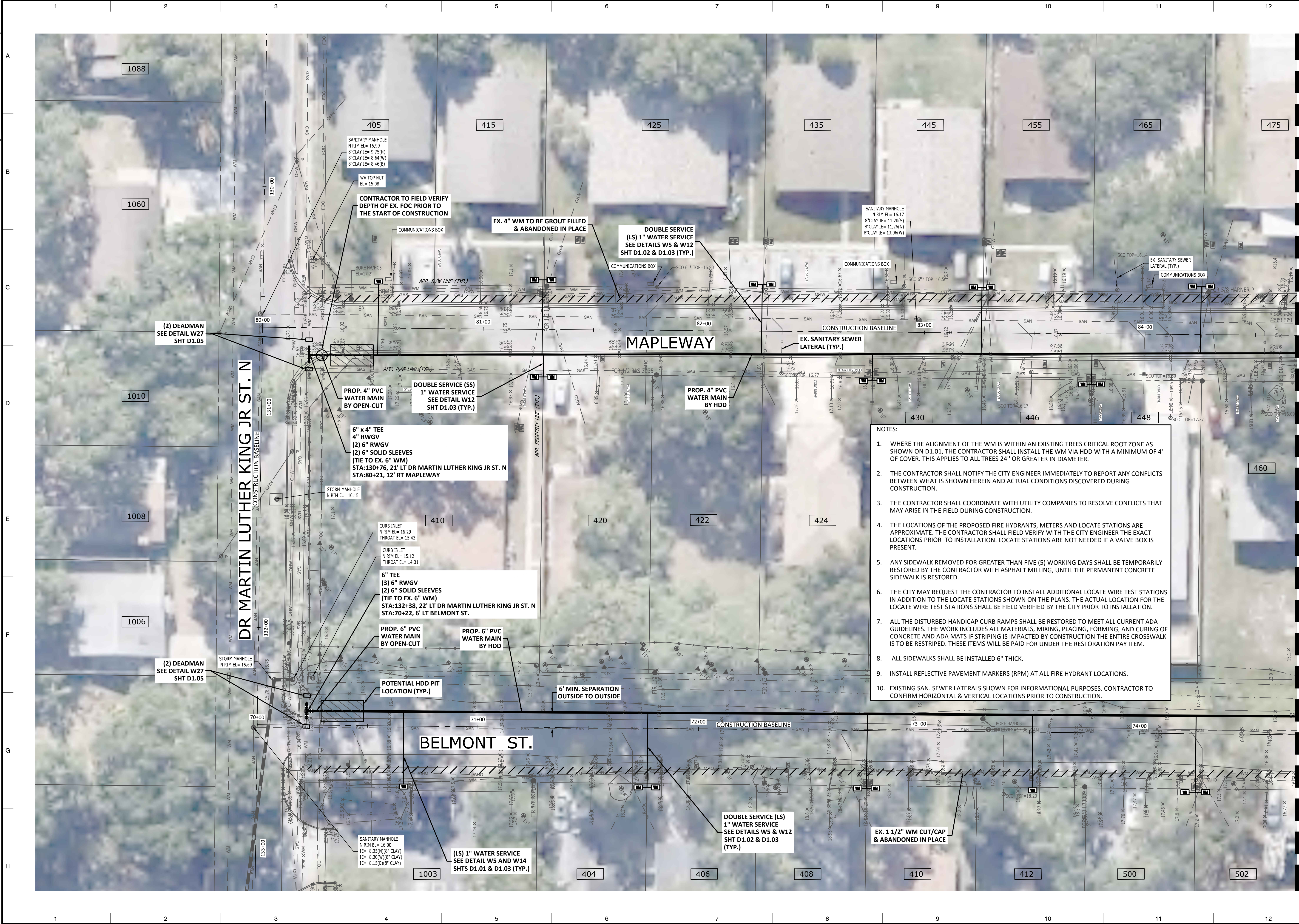
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MATCH LINE, SEE SHEET C1.12



BID DOCUMENTS



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Phone: (813) 880-8881
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License #2610

City of Safety Harbor, Florida
Home of the Mineral Springs
Engineering Dept.
750 Main Street
Safety Harbor, Florida 34695
Phone (727) 724-1555

NO.	DATE	REVISION	BY

**SEMINOLE PARK AND MAPLEWAY
WATER MAIN REPLACEMENT (UT0096)**

BELMONT ST AND MAPLEWAY PLAN
STA. 70+00 TO STA. 74+75 AND
STA. 80+00 TO STA. 84+73

JOB NO.: 0279-00026-2022-0998
DATE: JUNE 2022

C1.10

BID DOCUMENTS
06/25/2025



4921 Memorial Highway
One Memorial Center, Suite 300
Tampa, Florida 33634
Phone: (813) 880-8881
www.Ardurra.com
License #2610

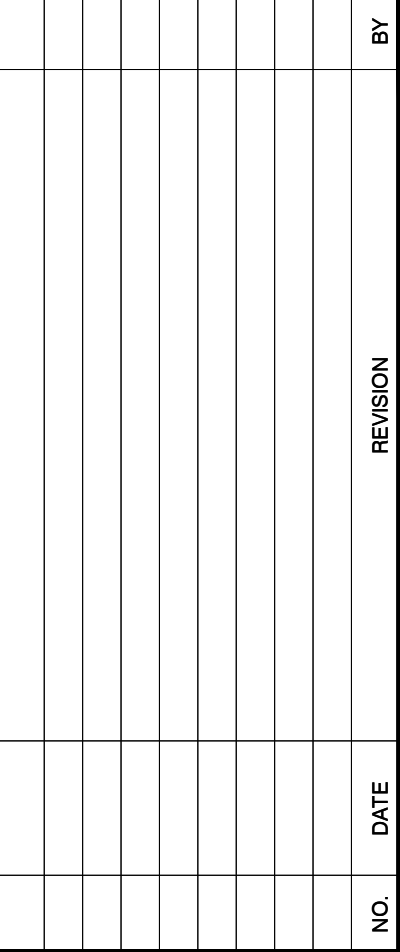
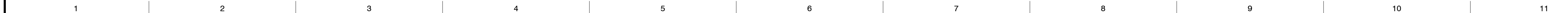
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<p>SEMINOLE PARK AND MAPLEWAY WATER MAIN REPLACEMENT (UT0096)</p>	<p>BELMONT ST AND MAPLEWAY PLAN STA. 74+75 TO STA. 76+00 AND STA. 84+73 TO STA. 86+00</p>
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JOB NO:	0279-00026-2022-0998
DATE:	JUNE 2022

C1.11

BID DOCUMENTS
06/25/2025



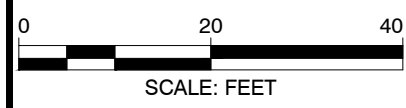
**SEMINOLE PARK AND MAPLEWAY
WATER MAIN REPLACEMENT (UT0096)**



JOB NO.	0279-00026-2022-0998
DATE:	JUNE 2022

C1.12

BID DOCUMENTS
06/25/2025

[illegible]

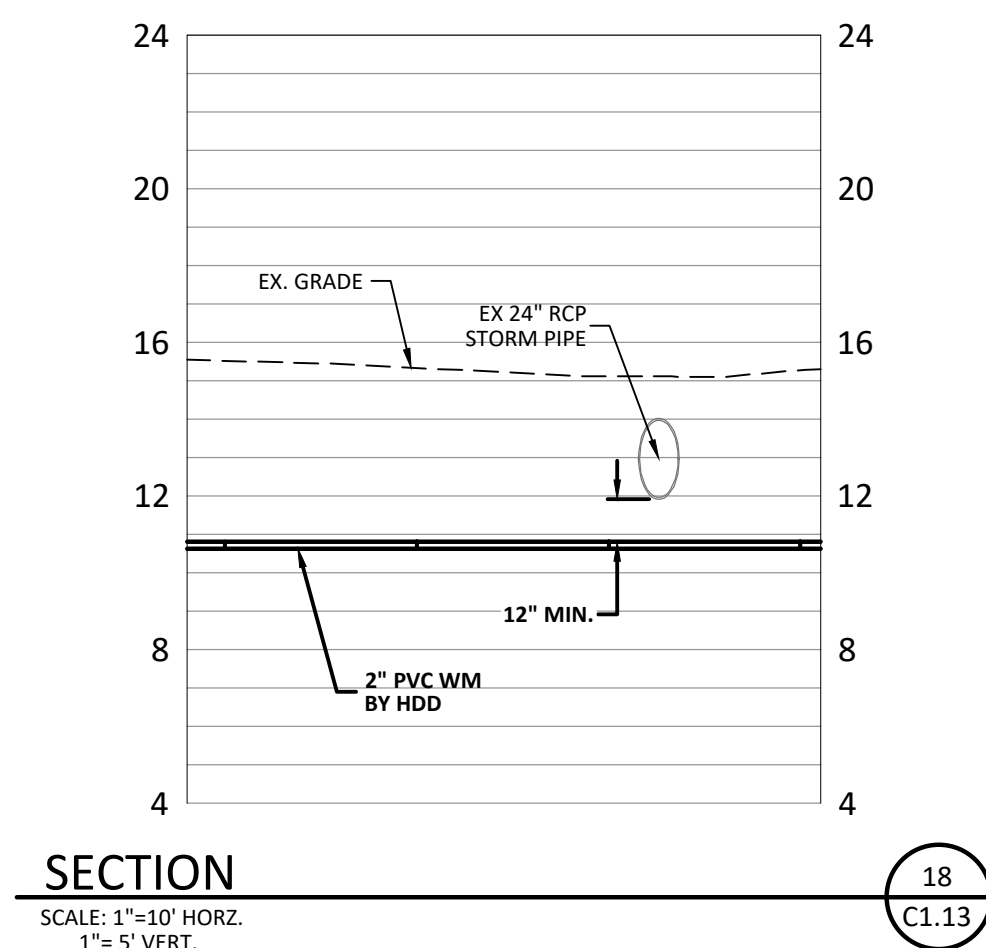
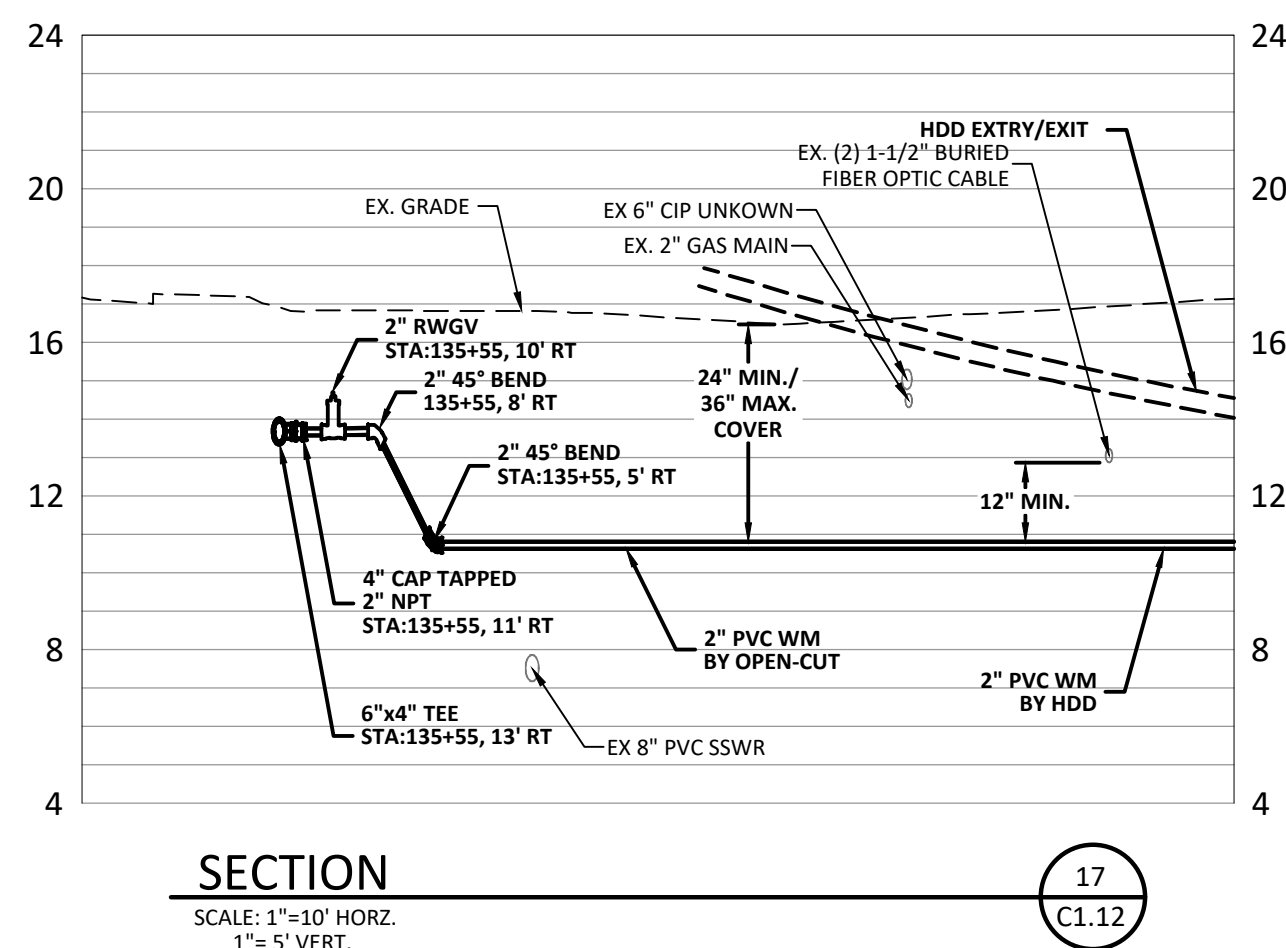
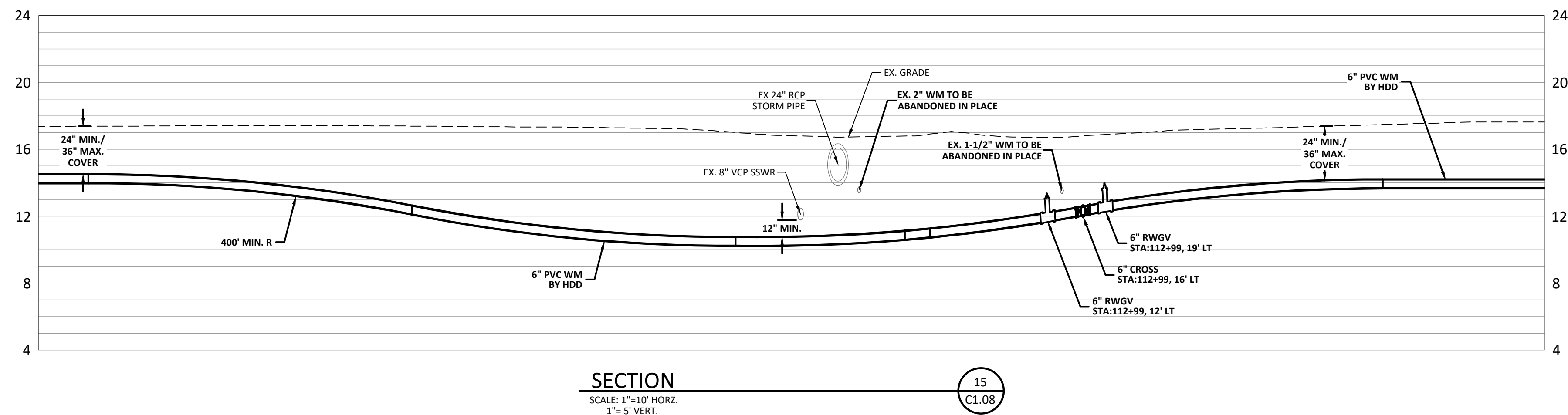
**SEMINOLE PARK AND MAPLEWAY
WATER MAIN REPLACEMENT (UT0096)**

OAK ST AND DAISY DOUGLAS PARK PLAN
STA. 64+79 TO STA. 66+74 AND
STA. 90+00 TO STA. 92+90

JOB NO:	0279-00026-2022-0998
DATE:	JUNE 2022

C1.13

BID DOCUMENTS
06/25/2025

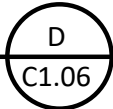
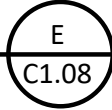
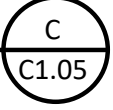
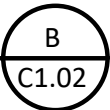
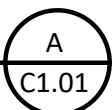
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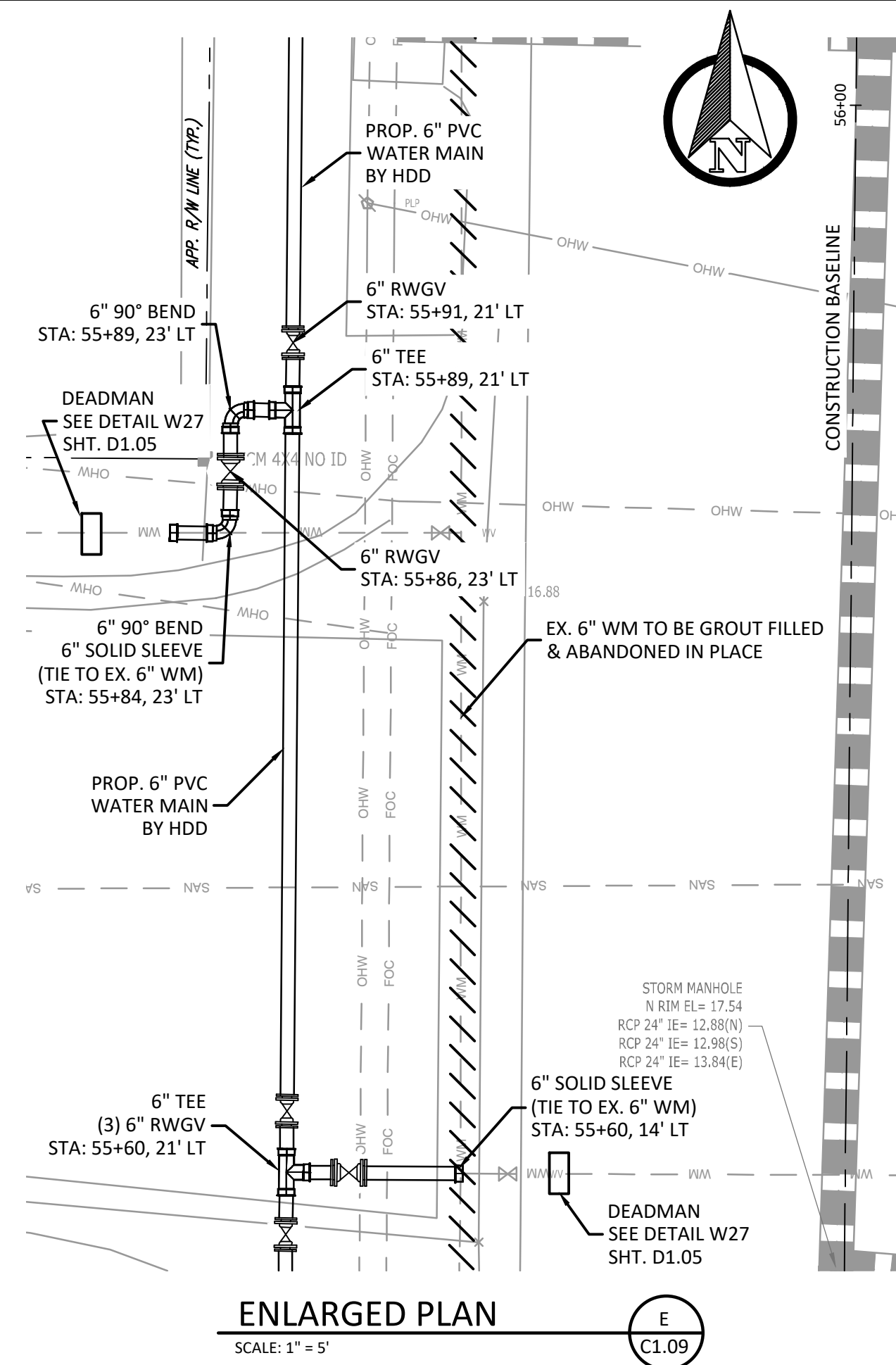
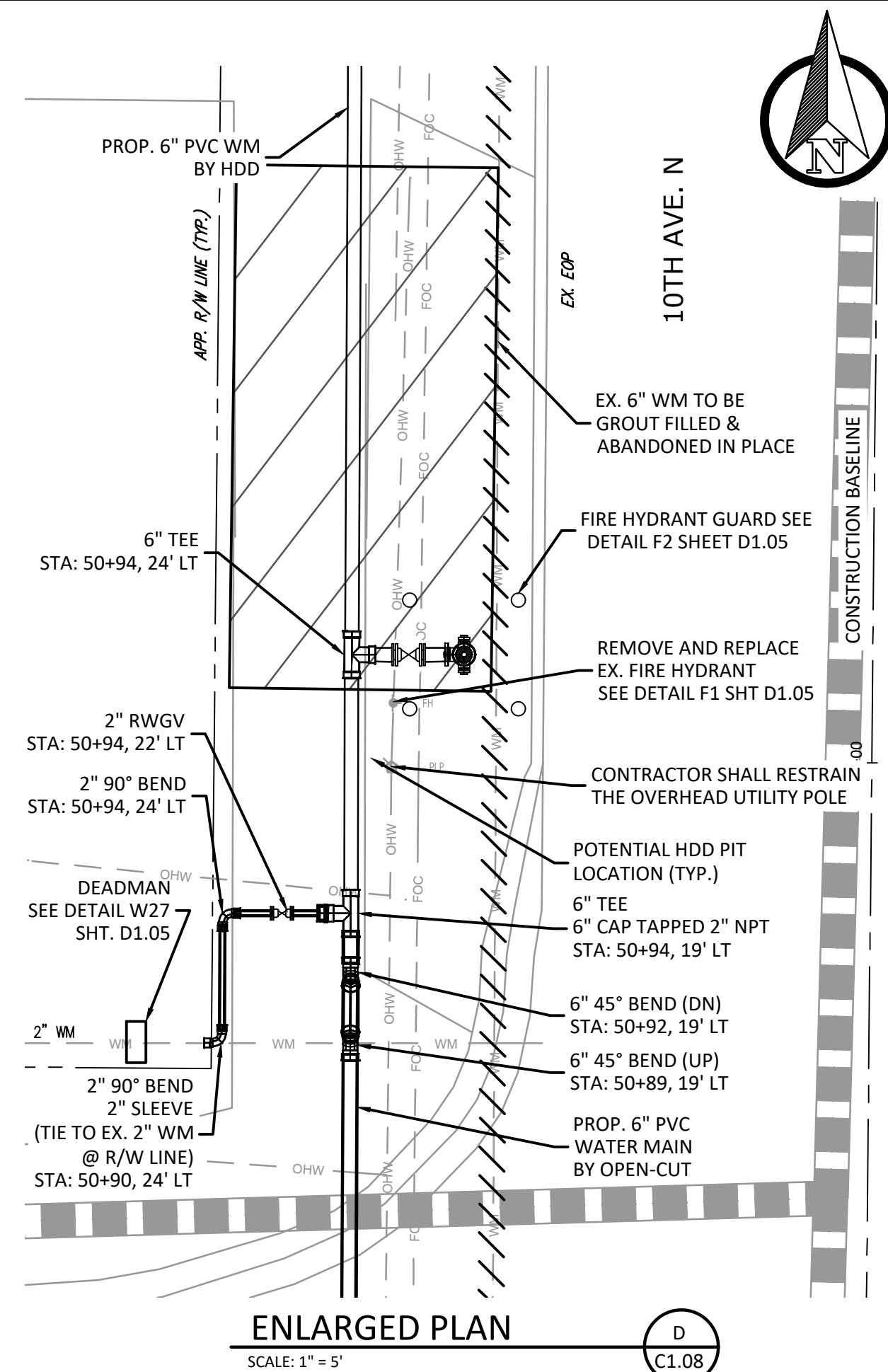
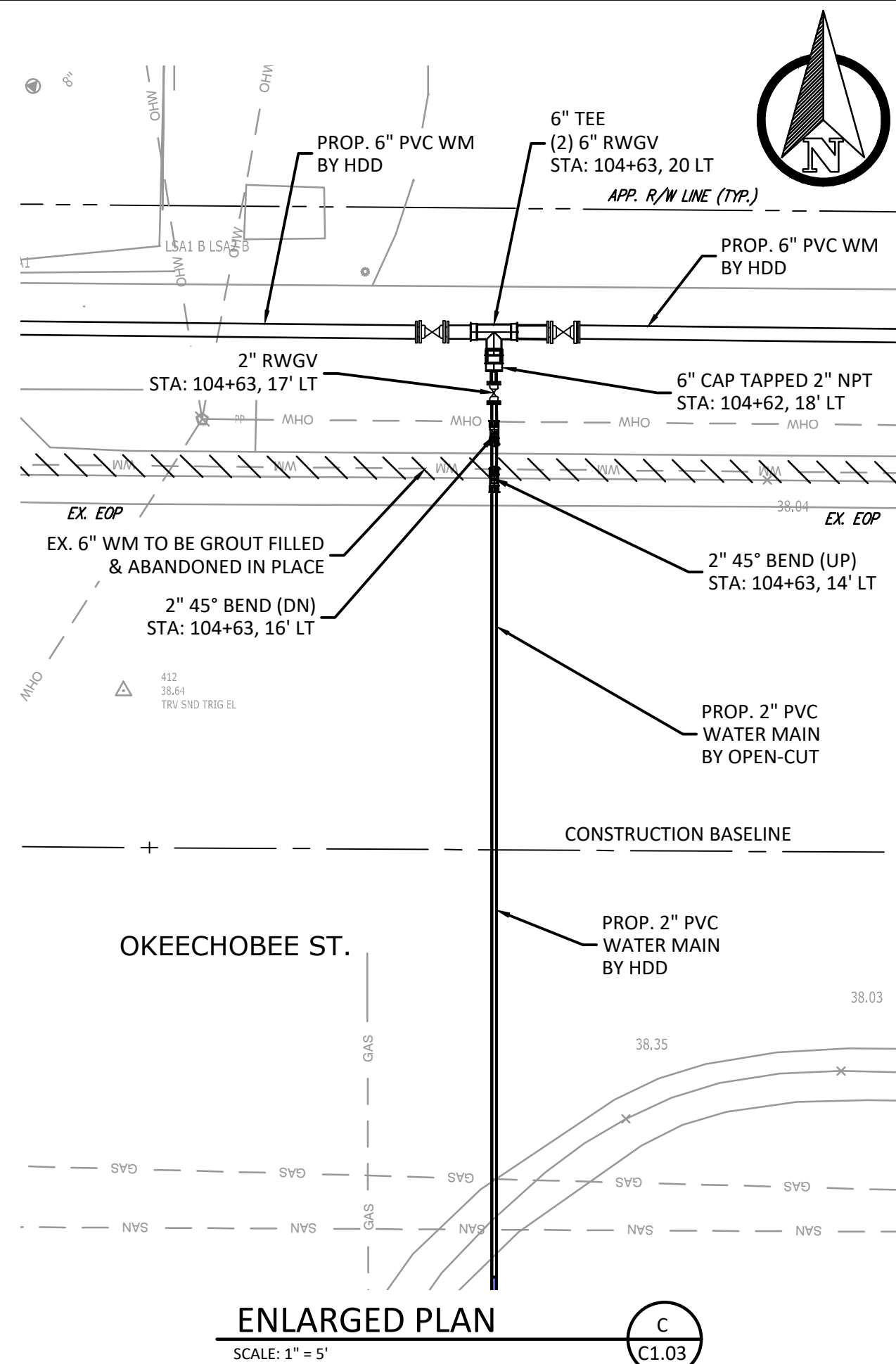
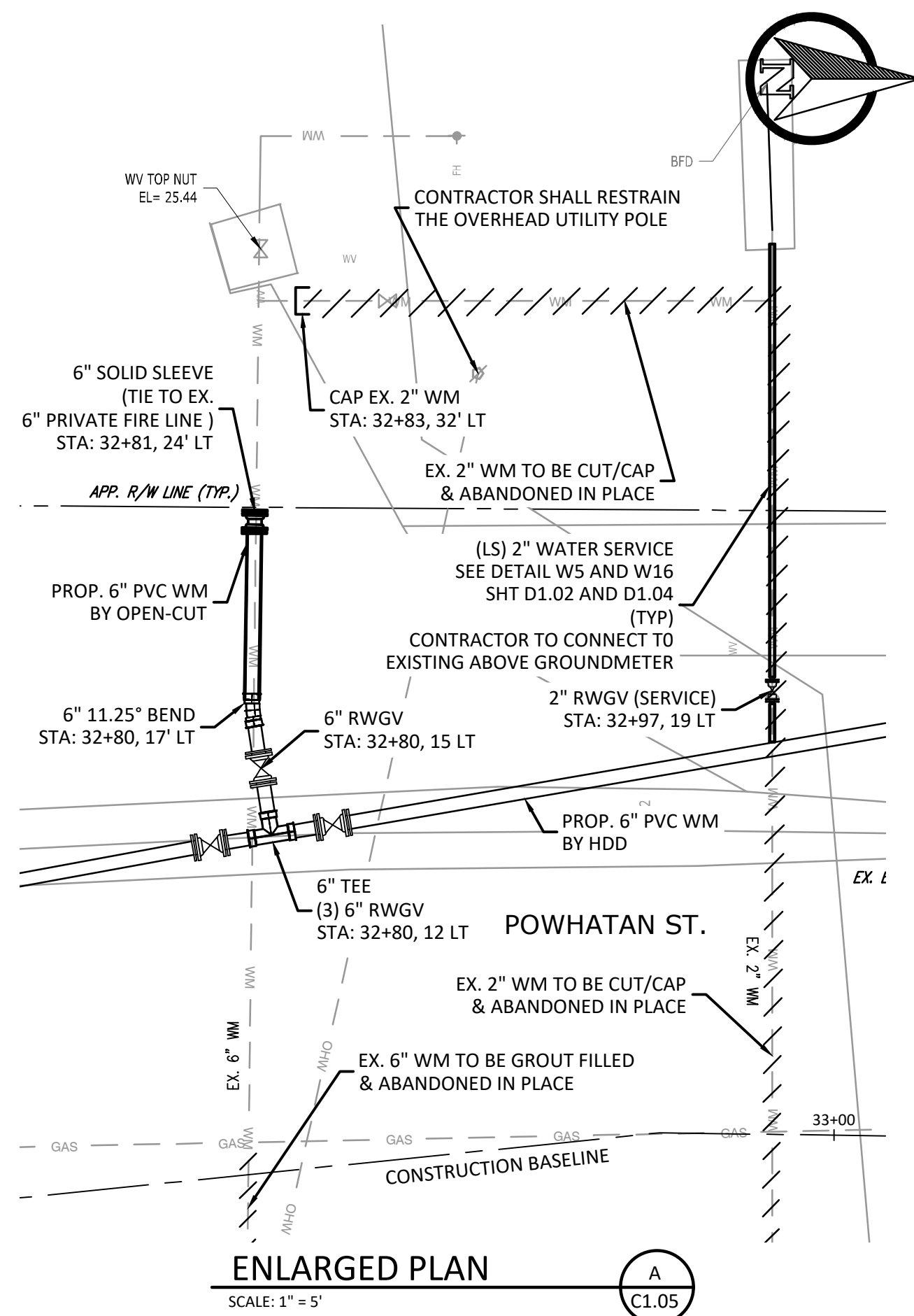
**SEMINOLE PARK AND MAPLEWAY
WATER MAIN REPLACEMENT (UT0096)**

CROSS SECTIONS (2)

C2.01

BID DOCUMENTS
06/25/2025



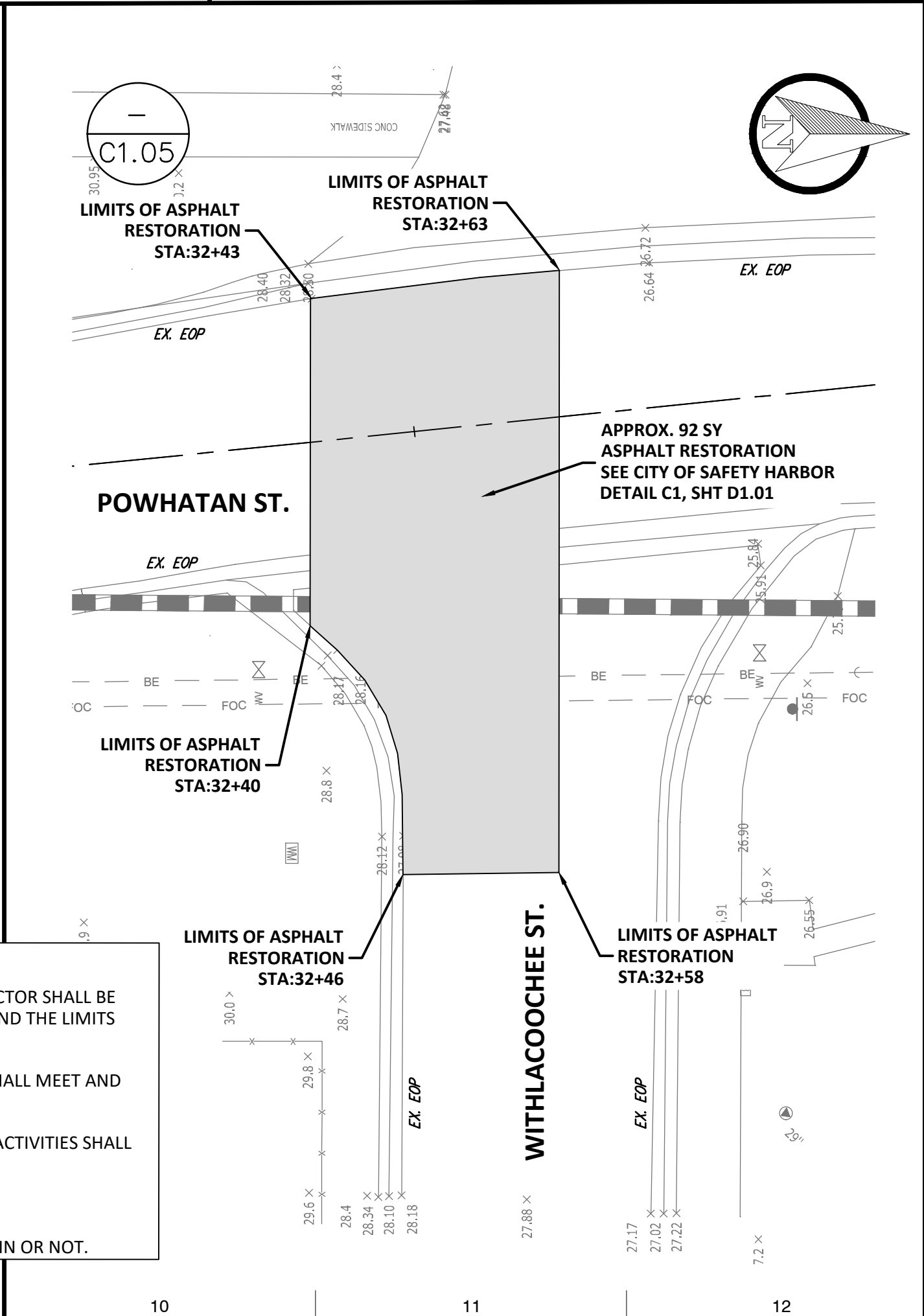
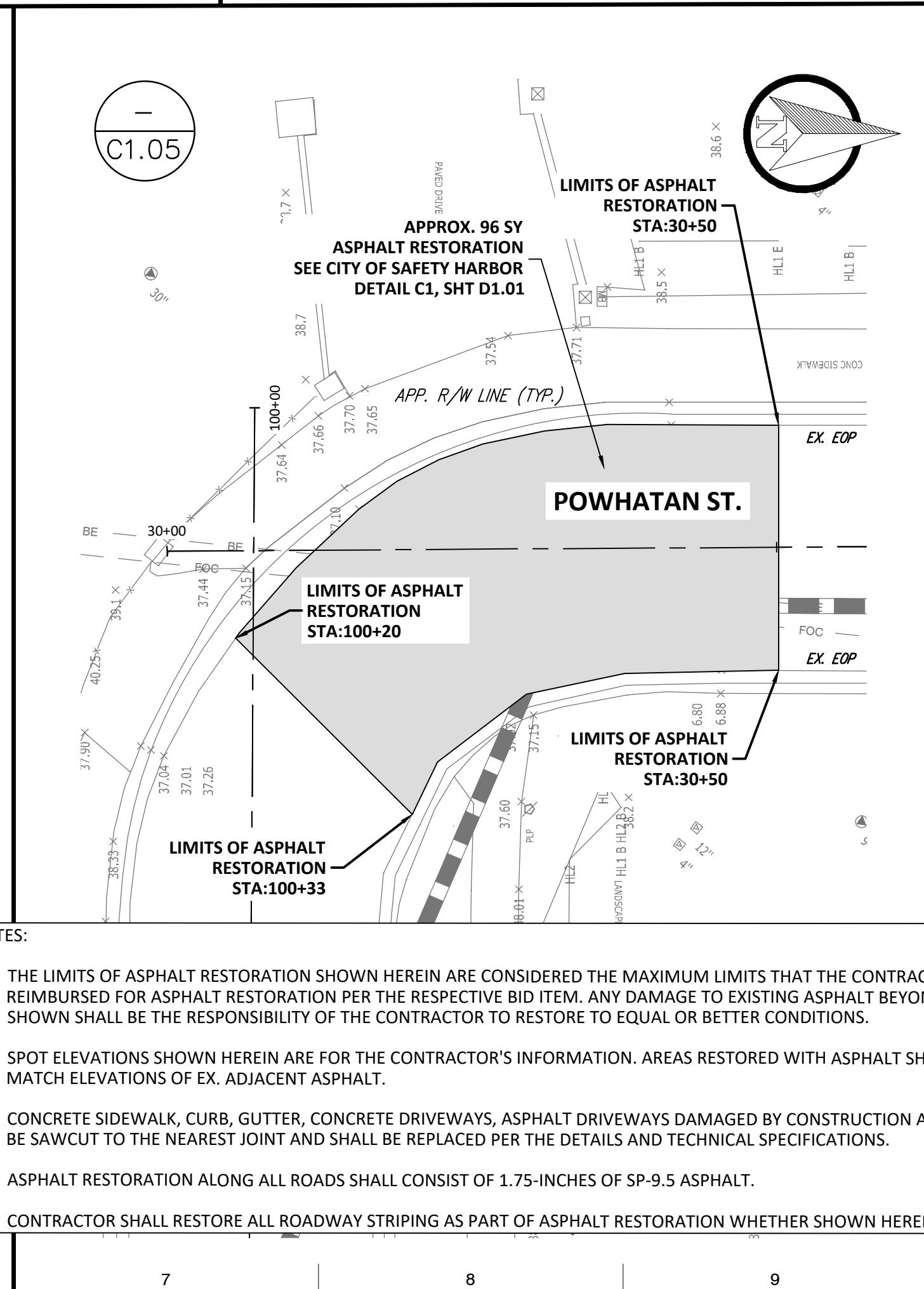
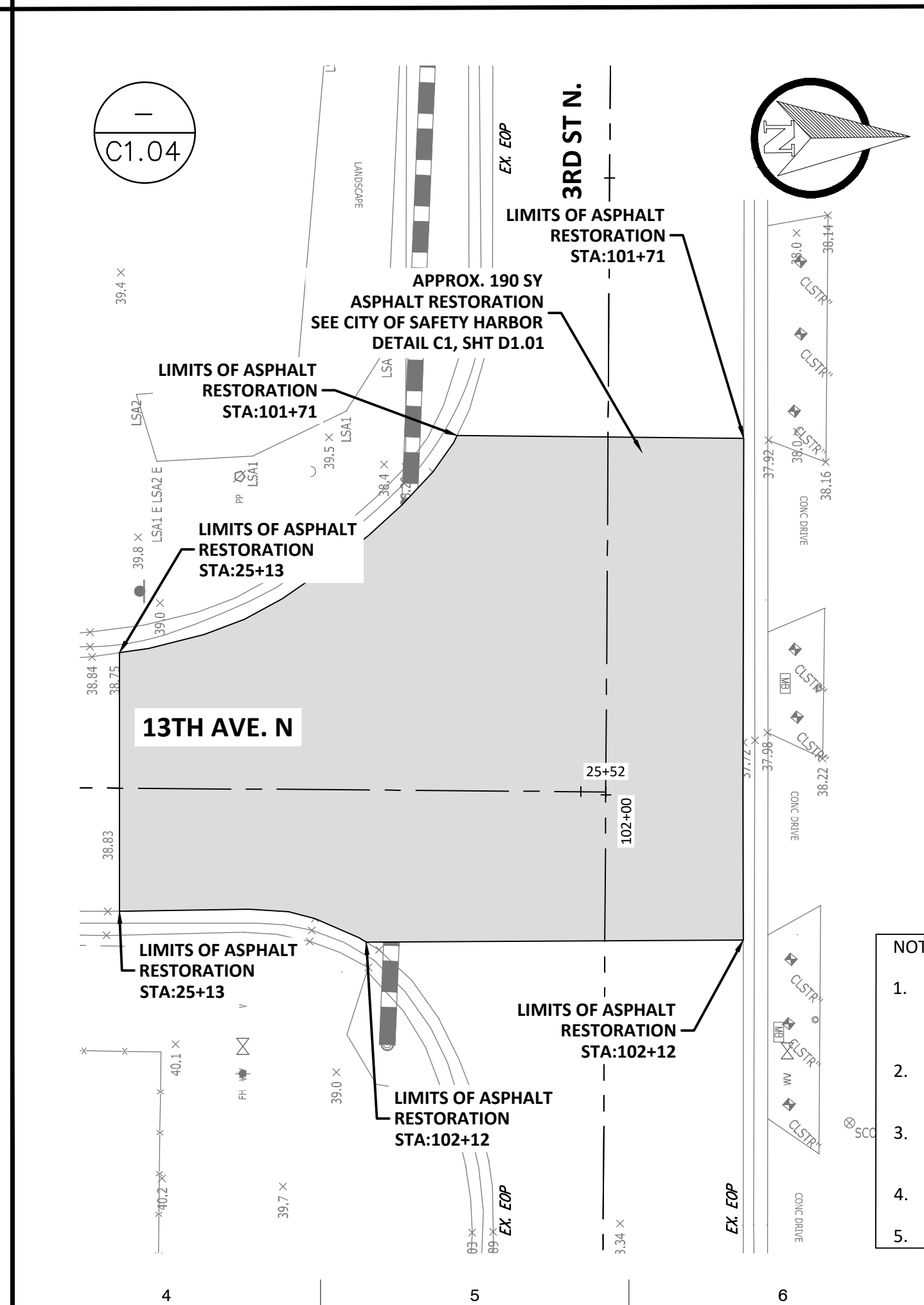
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SEMINOLE PARK AND MAPLEWAY WATER MAIN REPLACEMENT (UT0096)	WATER MAIN ENLARGED CONNECTION DETAILS (2)
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JOB NO:	0279-00026-2022-0998
DATE:	JUNE 2022

C2.03

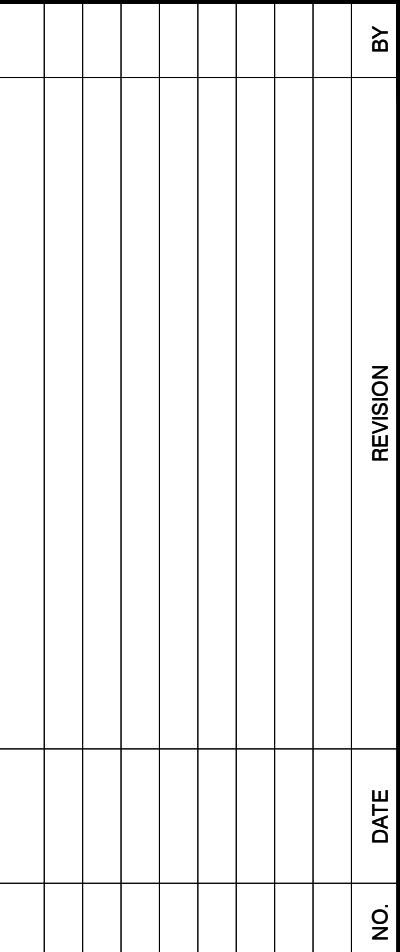
BID DOCUMENTS
06/25/2025



- NOTES:
1. THE LIMITS OF ASPHALT RESTORATION SHOWN HEREIN ARE CONSIDERED THE MAXIMUM LIMITS THAT THE CONTRACTOR SHALL BE REIMBURSED FOR ASPHALT RESTORATION PER THE RESPECTIVE BID ITEM. ANY DAMAGE TO EXISTING ASPHALT BEYOND THE LIMITS SHOWN SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RESTORE TO EQUAL OR BETTER CONDITIONS.
 2. SPOT ELEVATIONS SHOWN HEREIN ARE FOR THE CONTRACTOR'S INFORMATION. AREAS RESTORED WITH ASPHALT SHALL MEET AND MATCH ELEVATIONS OF EX. ADJACENT ASPHALT.
 3. CONCRETE SIDEWALK, CURB, GUTTER, CONCRETE DRIVEWAYS, ASPHALT DRIVEWAYS DAMAGED BY CONSTRUCTION ACTIVITIES SHALL BE SAWCUT TO THE NEAREST JOINT AND SHALL BE REPLACED PER THE DETAILS AND TECHNICAL SPECIFICATIONS.
 4. ASPHALT RESTORATION ALONG ALL ROADS SHALL CONSIST OF 1.75-INCHES OF SP-9.5 ASPHALT.
 5. CONTRACTOR SHALL RESTORE ALL ROADWAY STRIPING AS PART OF ASPHALT RESTORATION WHETHER SHOWN HEREIN OR NOT.

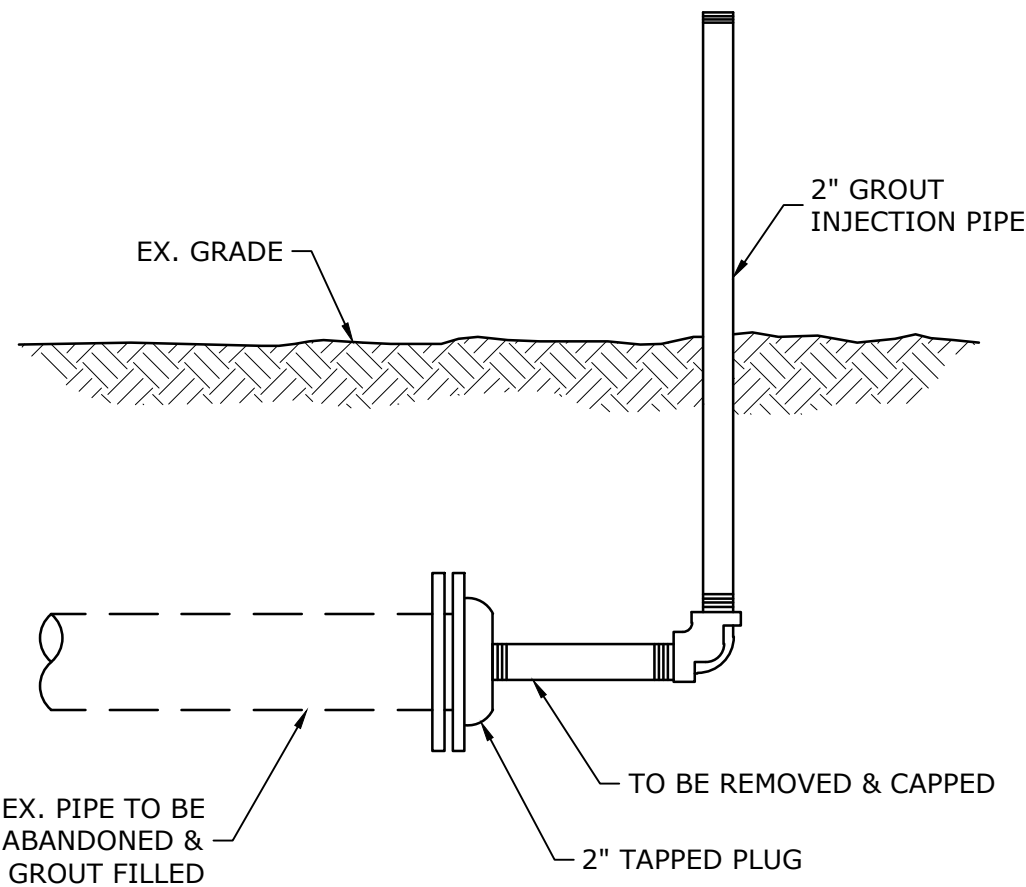
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SEMINOLE PARK AND MAPLEWAY WATER MAIN REPLACEMENT (UT00996)	PAVEMENT RESTORATION (2)
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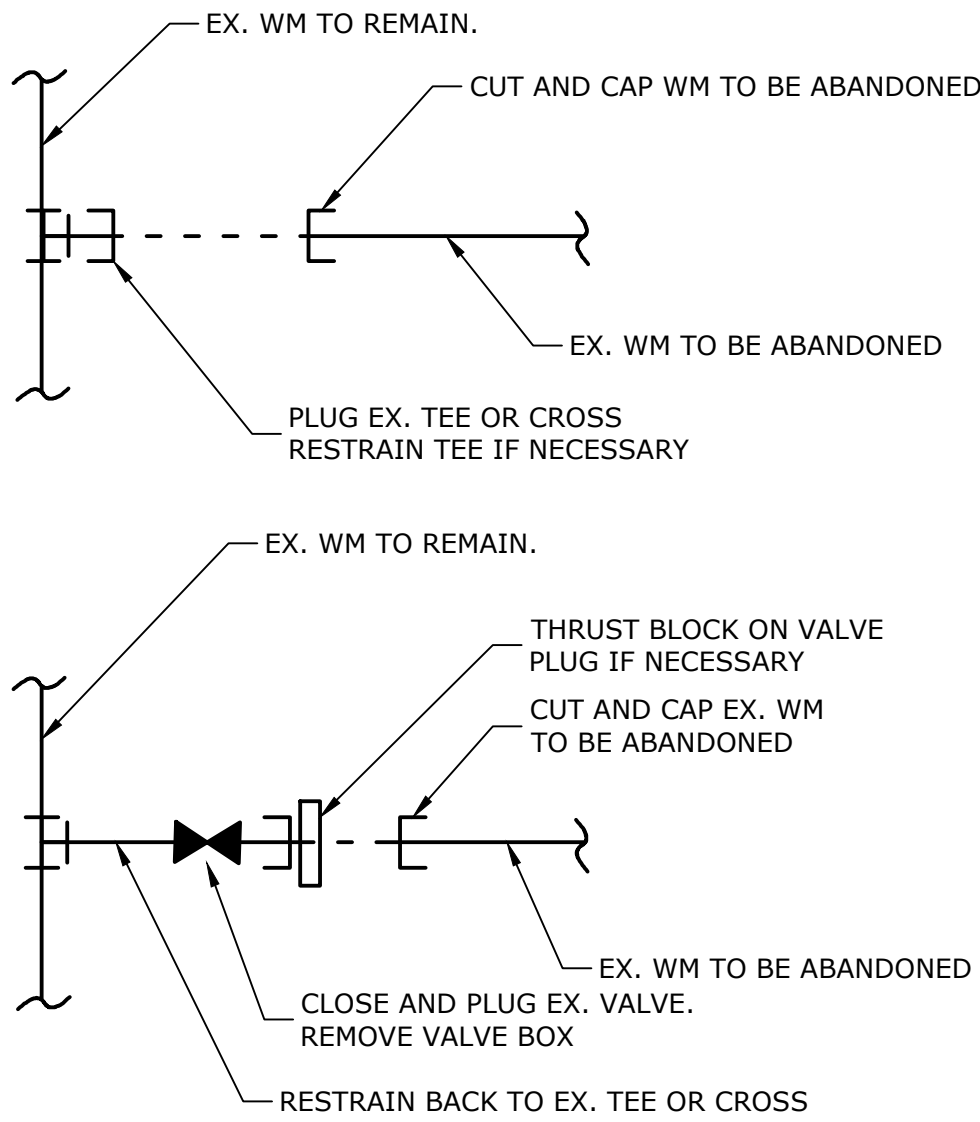
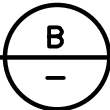
SEMINOLE PARK AND MAPLEWAY WATER MAIN REPLACEMENT (UT0096)	PAVEMENT RESTORATION (3)
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- NOTES:
1. THE LIMITS OF ASPHALT RESTORATION SHOWN HEREIN ARE CONSIDERED THE MAXIMUM LIMITS THAT THE CONTRACTOR SHALL BE REIMBURSED FOR ASPHALT RESTORATION PER THE RESPECTIVE BID ITEM. ANY DAMAGE TO EXISTING ASPHALT BEYOND THE LIMITS SHOWN SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RESTORE TO EQUAL OR BETTER CONDITIONS.
 2. SPOT ELEVATIONS SHOWN HEREIN ARE FOR THE CONTRACTOR'S INFORMATION. AREAS RESTORED WITH ASPHALT SHALL MEET AND MATCH ELEVATIONS OF EX. ADJACENT ASPHALT.
 3. CONCRETE SIDEWALK, CURB, GUTTER, CONCRETE DRIVEWAYS, ASPHALT DRIVEWAYS DAMAGED BY CONSTRUCTION ACTIVITIES SHALL BE SAWCUT TO THE NEAREST JOINT AND SHALL BE REPLACED PER THE DETAILS AND TECHNICAL SPECIFICATIONS.
 4. ASPHALT RESTORATION ALONG ALL ROADS SHALL CONSIST OF 1.75-INCHES OF SP-9.5 ASPHALT.
 5. CONTRACTOR SHALL RESTORE ALL ROADWAY STRIPING AS PART OF ASPHALT RESTORATION WHETHER SHOWN HEREIN OR NOT.



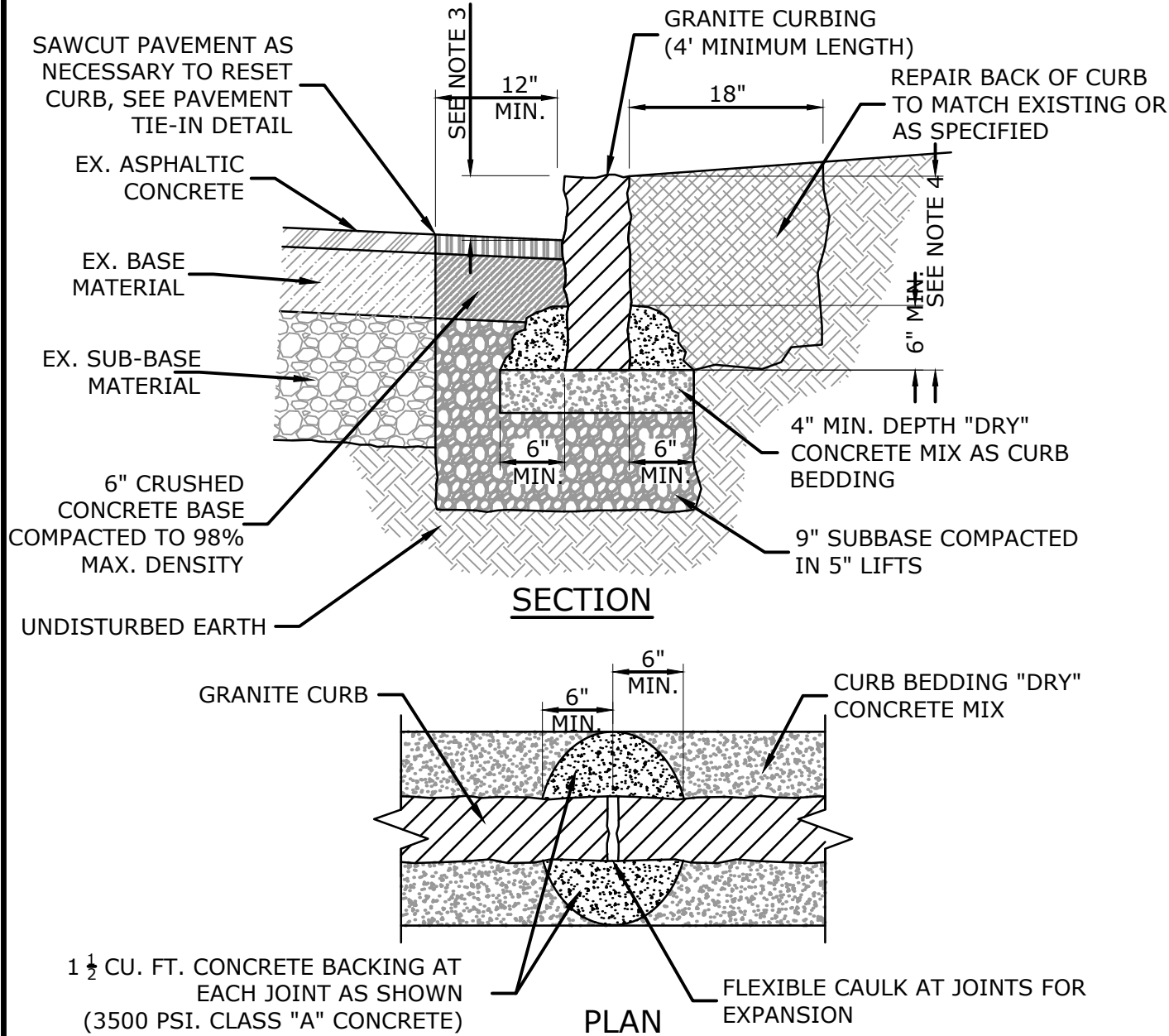
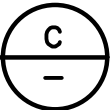
4" & LARGER WM ABANDONMENT & GROUT FILL DETAIL

NTS



WATER MAIN ABANDONMENT DETAIL

NTS

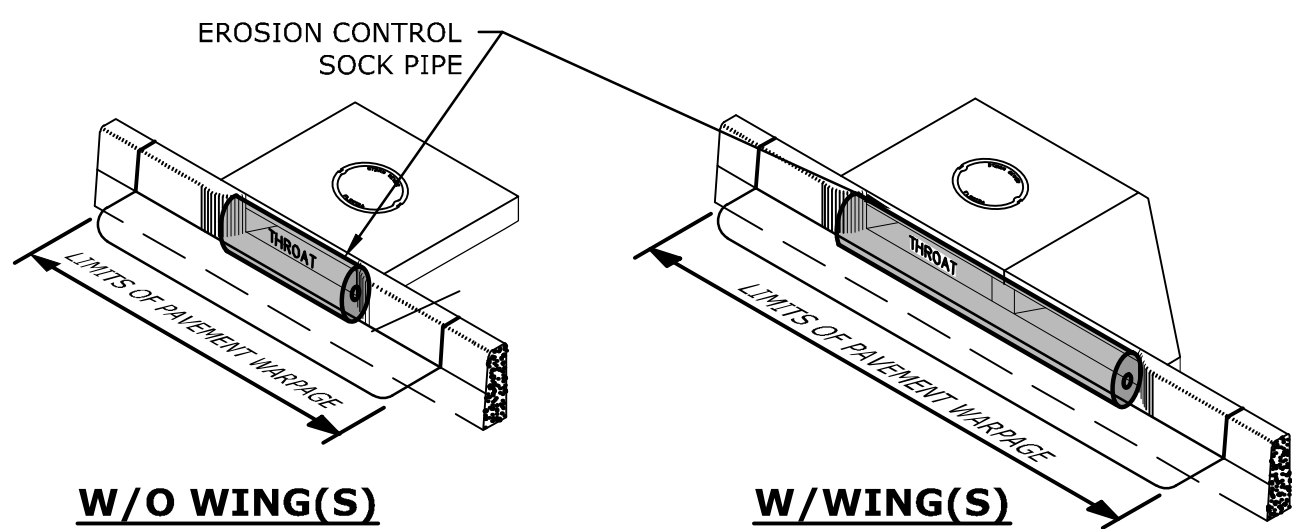
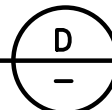


NOTES:

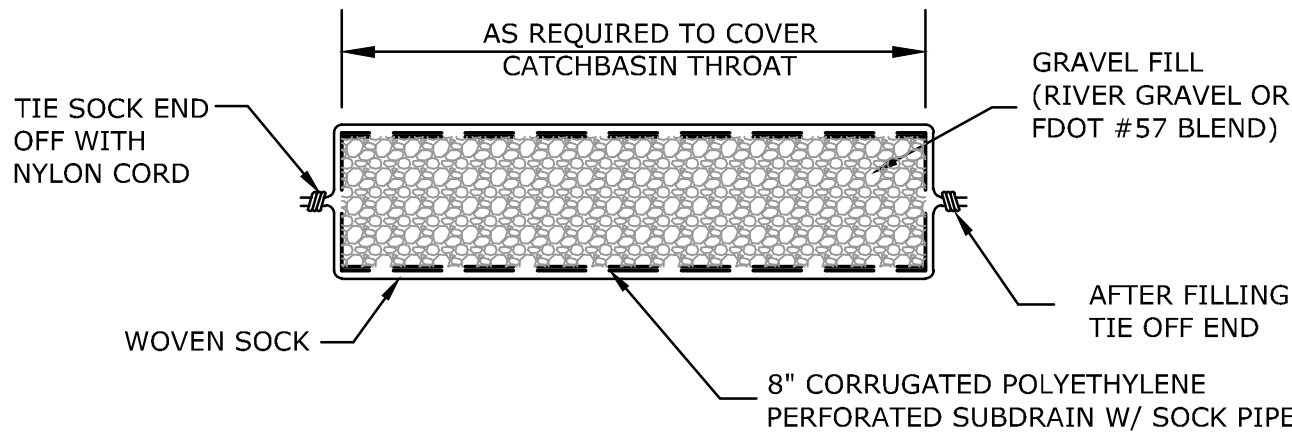
1. CONTRACTOR TO REMOVE AND STORE EX. GRANITE CURB TO BE RE-INSTALLED AS NECESSARY OR AS DIRECTED BY THE CITY REPRESENTATIVES.
2. EXPANSION JOINT MATERIAL SHALL BE INSTALLED WHEN CURB IS SET AGAINST NEW OR EXISTING SIDEWALK / DRIVEWAYS OR AS ORDERED BY THE ENGINEER
3. A 6" CURB REVEAL SHALL BE MAINTAINED, FOR CURB RESETTNG OR REPLACEMENT, MATCH EXISTING REVEAL
4. CURB HEIGHT SHALL BE 18" AND CURB LENGTH SHALL BE 4 FEET MIN. OR MATCH EXISTING
5. CONTRACTOR TO REPLACE ANY CURB DAMAGED DURING REMOVAL AND REPLACEMENT AT NO ADDITIONAL COST TO THE OWNER.

GRANITE CURB RESET OR REPLACEMENT DETAIL

NTS

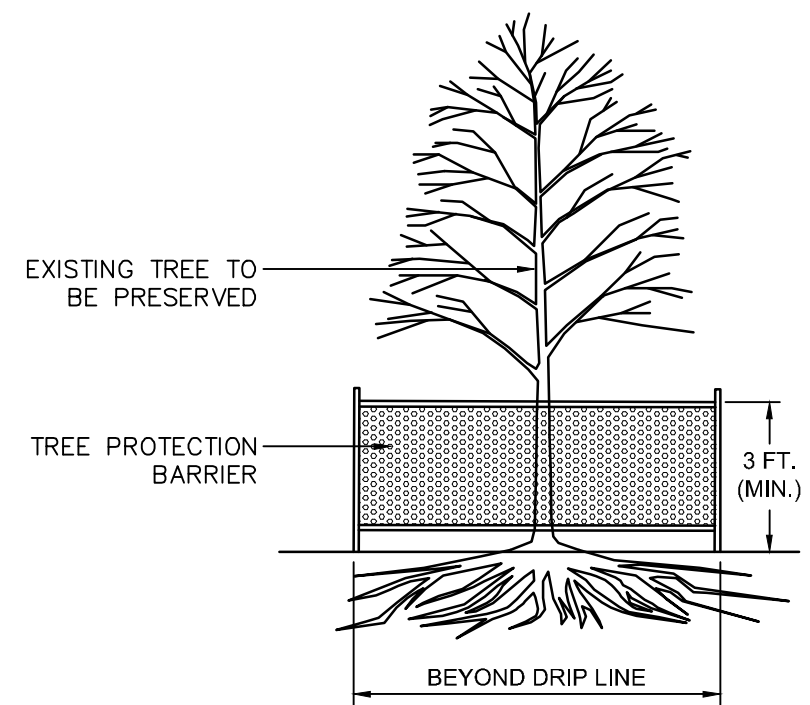


SECTION X-X



CURB INLET FILTER SOCK SEDIMENTATION CONTROL DETAIL

NTS



GENERAL NOTES:

1. A TEMPORARY PROTECTIVE BARRIER SHALL BE PLACED AT THE DRIP LINE OF THE TREE(S) TO BE SAVED. THE PROTECTIVE BARRIER SHALL BE APPROVED BY THE CITY ARBORIST AND REMAIN IN PLACE UNTIL LAND ALTERATION, SITE CLEARING, AND CONSTRUCTION ACTIVITIES ARE COMPLETE.
2. FOR (2) INCH CALIPER TREES OR SMALLER, THE PROTECTIVE RADIUS SHALL BE A MINIMUM OF (6) FOOT DIAMETER.
3. THE TEMPORARY PROTECTIVE BARRIER SHALL COMPLETELY ENCLOSE THE TREE(S) CREATING A PROTECTIVE RADIUS AROUND THE TREE(S) TO BE SAVED. IF THE DRIP LINE OF THE TREE(S) CANNOT BE BARRICADED DUE TO CONSTRUCTION ACCESS THE PROTECTIVE BARRIER SHALL BE INSTALLED AT THE GREATEST EXTENT POSSIBLE WITH THE REMAINDER OF THE DRIP LINE TO BE MULCHED AT A DEPTH OF (6) TO (8) INCHES TO PREVENT COMPACTION OF THE ROOT SYSTEM DURING CONSTRUCTION ACTIVITIES. MULCH TO BE REMOVED FOLLOWING THE COMPLETION OF CONSTRUCTION ACTIVITIES.
4. AT A MINIMUM, THE TEMPORARY PROTECTIVE BARRIER SHALL BE (3) FEET IN HEIGHT AND BE CONSTRUCTED OF (2) INCH x (2) INCH VERTICAL POSTS INSTALLED (6) INCHES BELOW GRADE. POSTS SHALL BE INSTALLED AT A MAXIMUM OF (10) FEET ON CENTER. AVOID DRIVING POSTS INTO MAJOR ROOTS. ORANGE MESH FENCING SHALL BE SECURELY ATTACHED TO POSTS ENCIROLING THE TREE(S) AND DEFINING THE PROTECTIVE RADIUS.
5. FOR TREES (12) INCH DBH OR LARGER THE PROTECTIVE BARRIER SHALL BE CONSTRUCTED OF CHAIN LINK FENCING WITH POSTS INSTALLED AT A MAXIMUM OF (10) FEET ON CENTER.
6. DEAD TREES, SCRUB, OR UNDERGROWTH SHALL BE CUT FLUSH WITH ADJACENT GRADE. THERE WILL BE NO SOIL DISTURBANCE WITHIN THE PROTECTIVE BARRIER OF TREES TO BE PRESERVED.
7. TREATMENT OF ROOTS EXPOSED DURING CONSTRUCTION: FOR ROOTS OVER (1) INCH IN DIAMETER DAMAGED DURING CONSTRUCTION, MAKE A CLEAN STRAIGHT CUT TO REMOVE DAMAGED PORTION OF ROOT. ALL EXPOSED ROOTS SHOULD BE TEMPORARILY COVERED WITH (2) INCH MINIMUM DEPTH DAMP MULCH AS SOON AS POSSIBLE TO PREVENT DRYING.
8. NO EQUIPMENT OR MACHINERY SHALL BE USED WITHIN THE PROTECTIVE BARRIER. WORK WITHIN THE PROTECTIVE BARRIER SHALL BE DONE MANUALLY.
9. NO STOCKPILING OF MATERIALS, VEHICULAR TRAFFIC, OR STORAGE IS ALLOWED WITHIN THE LIMIT OF THE PROTECTIVE BARRIER.

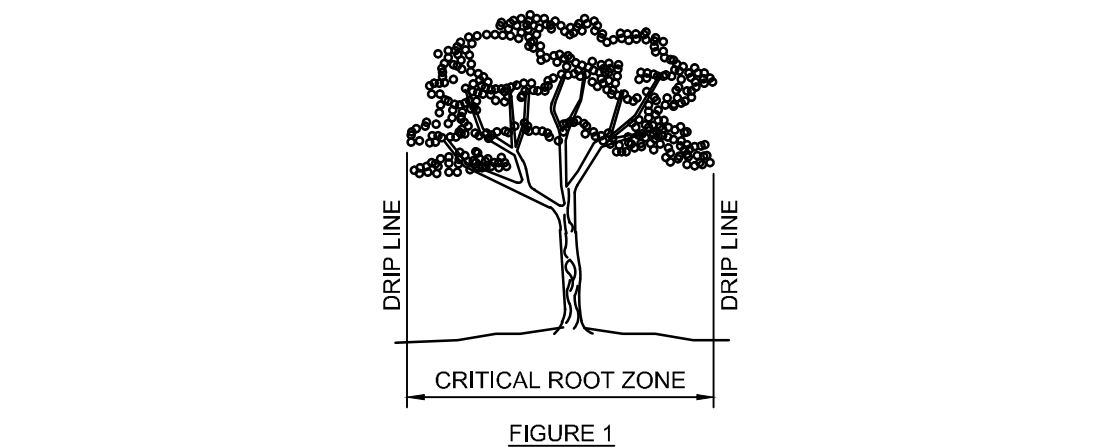


CITY OF SAFETY HARBOR

Engineering Department
750 Main Street, Safety Harbor, FL 34695
Phone (727) 724-1555

TREE PROTECTIVE BARRIER

REVISIONS	
BY	DATE
BD	11/01/2017
BD	12/31/2019
SCALE: N.T.S.	
DATE:	APRIL 2015
DETAIL NUMBER:	
LA1	



ROOT PRUNING SPECIFICATIONS

WHEN CONSTRUCTION ACTIVITIES AFFECT PROTECTED TREES SO THAT THE CRITICAL ROOT ZONE (SEE FIGURE 1) IS DISTURBED, ADHERENCE TO THE FOLLOWING ARBORICULTURAL TECHNIQUES IS REQUIRED.

UTILITIES SHALL BE ROUTED IN THE CRITICAL ROOT ZONE AREA OF A PROTECTED TREE BY BORING AND AIR SPADING. THESE PROCEDURES WILL PREVENT DAMAGE TO THE TREE'S ROOT SYSTEM.

ROOT PRUNING: WHEN CRITICAL ROOT ZONE AREA IS DISTURBED, AFFECTED ROOTS MUST BE SEVERED BY CLEAN PRUNING CUTS AT THE POINT WHERE CONSTRUCTION IMPACTS THE ROOTS. A STUMP GRINDER, CHAIN SAW, HAND SAW AND LOPPER ARE TOOLS THAT WILL MAKE A CLEAN CUT.

ROOT PRUNING IN THE CRITICAL ROOT ZONE REQUIRES APPROVAL BY THE CITY ARBORIST. ROOT PRUNING SHALL BE DONE A MINIMUM OF 5 (FIVE) TIMES THE TRUNK DIAMETER AND ONLY ON ONE SIDE. LARGER TREES WILL REQUIRE MORE DISTANCE.

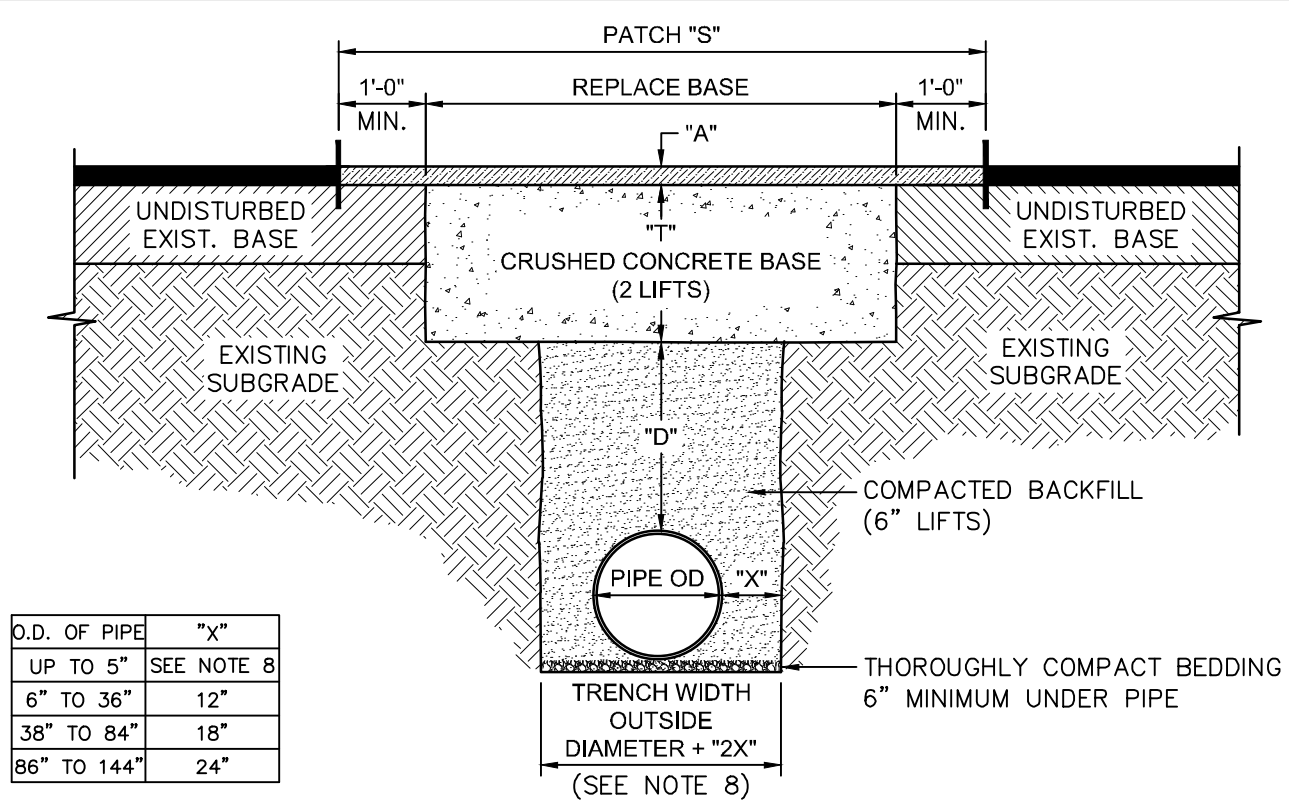


CITY OF SAFETY HARBOR

Engineering Department
750 Main Street, Safety Harbor, FL 34695
Phone (727) 724-1555

ROOT PRUNING SPECIFICATIONS

REVISIONS	
BY	DATE
BD	11/01/2017
BD	12/31/2019
SCALE: N.T.S.	
DATE:	JULY 22, 2015
DETAIL NUMBER:	
LA3	



D.O.D. OF PIPE	"X"
UP TO 5"	SEE NOTE 8
6" TO 36"	12"
38" TO 84"	18"
86" TO 144"	24"

ITEM	ALLEY / DRIVE	STANDARD ROAD	COMMERCIAL ROAD	REMARKS
A ASPHALT THICKNESS (MIN.)	1" TYPE SP9.5	1 1/2" TYPE SP9.5	2" TYPE SP12.5	
T BASE THICKNESS (MIN.)	REPLICATE EXISTING BASE THICKNESS + 2"			MAY BE SUBSTITUTED WITH ASPHALT OR AS DIRECTED BY CITY ENGINEER
S PATCH WIDTH (MIN.)	24"	10"	10"	
D COVER DEPTH (MIN.)	30"	36"	36"	

NOTES:

1. ALL PAVING PREPARATION SHALL MEET CITY OF SAFETY HARBOR'S STANDARD SPECIFICATIONS.
2. TRENCH BACKFILL SHALL BE PLACED IN 6-INCH LIFTS. EACH LIFT COMPACTED TO 100% OF THE MAXIMUM DENSITY BY AASHTO T-99. FLOWABLE FILL MAY BE SUBSTITUTED FOR BACKFILL ON A CASE BY CASE BASIS. FLOWABLE FILL SHALL MEET FDOT STANDARD SPECIFICATIONS, AS APPROVED BY THE CITY ENGINEER.
3. CLAY IS NOT AN ACCEPTABLE BACKFILL MATERIAL.
4. PAVEMENT JOINTS SHALL BE MECHANICALLY SAW CUT IN NEAT LINES 1-FOOT BEYOND ANY SETTLED OR BROKEN AREAS.
5. BASE MATERIAL SHALL BE CRUSHED CONCRETE OF THE THICKNESS SHOWN (MIN. LBR 100) AND SHALL BE PLACED IN 6" COMPACTED LAYERS TO 98% OF MAXIMUM DENSITY AS DETERMINED BY AASHTO T-180 (MODIFIED).
6. AS AN ALTERNATIVE TO COMPACTED BASE AND IN WET AREAS, FULL-LIFT ASPHALTIC CONCRETE, FINE TRAFFIC LEVEL C TYPE SP9.5 OR 12.5, SHALL BE PLACED IN 2" COMPACTED LAYERS WITH A MINIMUM THICKNESS EQUAL TO THE EXISTING BASE (6" MIN.).
7. INSTALL CLEAN DRY COMPACTABLE MATERIAL AROUND THE PIPE.
8. FOR PIPES/CONDUITS LESS THAN 5-INCHES OD, DITCH WIDTH MAY BE REDUCED TO A WIDTH OF A MECHANICAL TAMPER. BACKFILL WITH DRY 15:1 SAND/CEMENT MIX, OR OTHER APPROVED MATERIAL, TO 4-INCHES ABOVE.
9. DENSITY TESTS WILL BE PERFORMED AT THE CONTRACTOR'S EXPENSE FOR EACH 6-INCH LIFT OF COMPACTED MATERIAL PLACED AND COMPACTED AT LOCATIONS DESIGNATED BY THE CITY ENGINEER. ALL DENSITY REQUIREMENTS SHALL BE IN ACCORDANCE WITH THE LATEST REVISION OF THE FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.
10. CONTRACTOR TO SUBMIT BEDDING SHOP DRAWING FOR CITY APPROVAL.

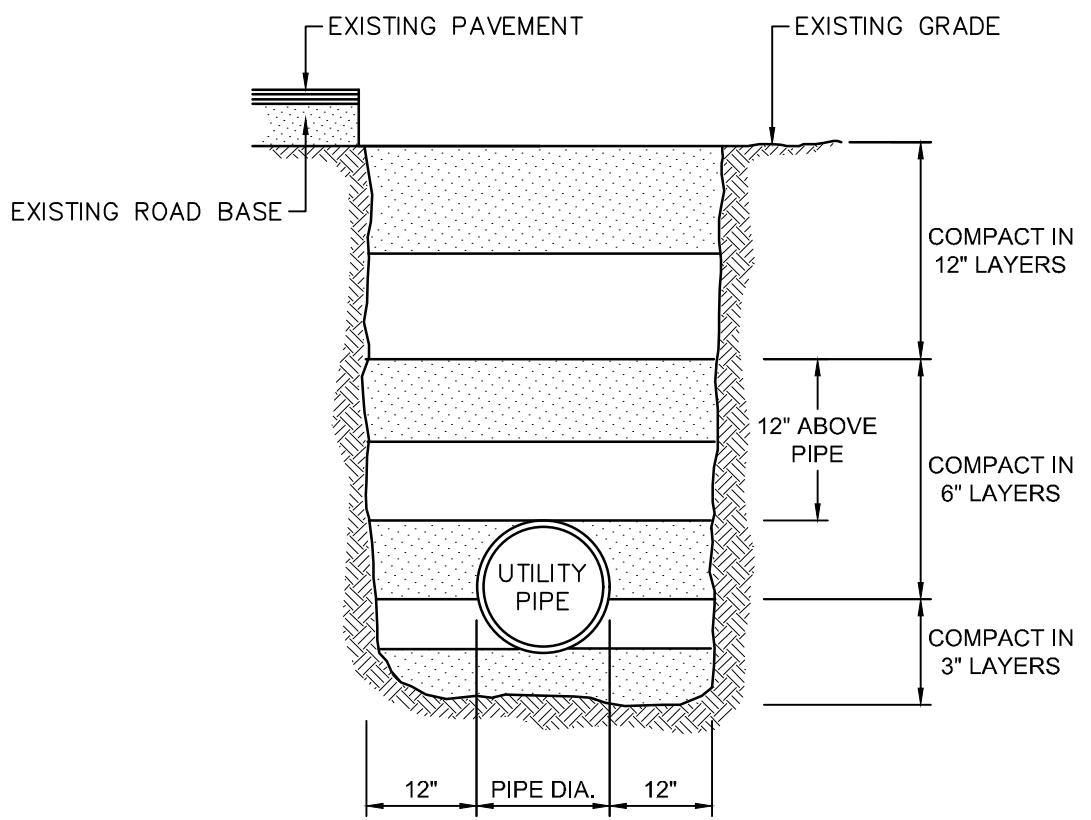


CITY OF SAFETY HARBOR

Engineering Department
750 Main Street, Safety Harbor, FL 34695
Phone (727) 724-1555

OPEN CUT PAVEMENT TRENCH

REVISIONS	
BY	DATE
BD	12/31/2019
SS	07/05/2022
SCALE: N.T.S.	
DATE:	JANUARY 2011
DETAIL NUMBER:	
C1	



NOTES:

1. TRENCHES LOCATED UNDER PAVEMENT SHALL BE COMPACTED TO 100% OF MAXIMUM DENSITY BY A.A.S.H.T.O. T-99, METHOD C.
2. TRENCHES NOT LOCATED UNDER PAVEMENT SHALL BE COMPACTED TO 95% OF MAXIMUM DENSITY BY A.A.S.H.T.O. T-99.
3. TRENCH BACKFILL SHALL BE PLACED IN 6-INCH LIFTS. EACH LIFT COMPACTED TO 100% OF THE MAXIMUM DRY DENSITY BY A.A.S.H.T.O. T-99. FLOWABLE FILL SHALL MEET FDOT STANDARD SPECIFICATIONS, AS APPROVED BY THE CITY ENGINEER.
4. CLAY IS NOT AN ACCEPTABLE BACKFILL MATERIAL.
5. INSTALL CLEAN DRY COMPACTABLE MATERIAL AROUND THE PIPE.
6. DENSITY TESTS WILL BE PERFORMED AT THE CONTRACTOR'S EXPENSE FOR EACH 6-INCH LIFT OF COMPACTED MATERIAL PLACED AND COMPACTED AT LOCATIONS DESIGNATED BY THE CITY ENGINEER. ALL DENSITY REQUIREMENTS SHALL BE IN ACCORDANCE WITH THE LATEST REVISION OF THE FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.
7. REPLACEMENT OF PAVED SURFACES SHALL BE MADE IN ACCORDANCE WITH SAFETY HARBOR CITY STANDARDS.



CITY OF SAFETY HARBOR

Engineering Department
750 Main Street, Safety Harbor, FL 34695
Phone (727) 724-1555

TRENCH BACKFILL

REVISIONS	
BY	DATE
BD	12/31/2019
SS	05/25/2022
SCALE: N.T.S.	
DATE:	APRIL 2003
DETAIL NUMBER:	
C2	

SEMINOLE PARK AND MAPLEWAY
WATER MAIN REPLACEMENT (UT0096)

MISCELLANEOUS DETAILS (1)

JOB NO: 0279-00026-2022-0998
DATE: JUNE 2022

D1.01

BID DOCUMENTS
06/25/2025

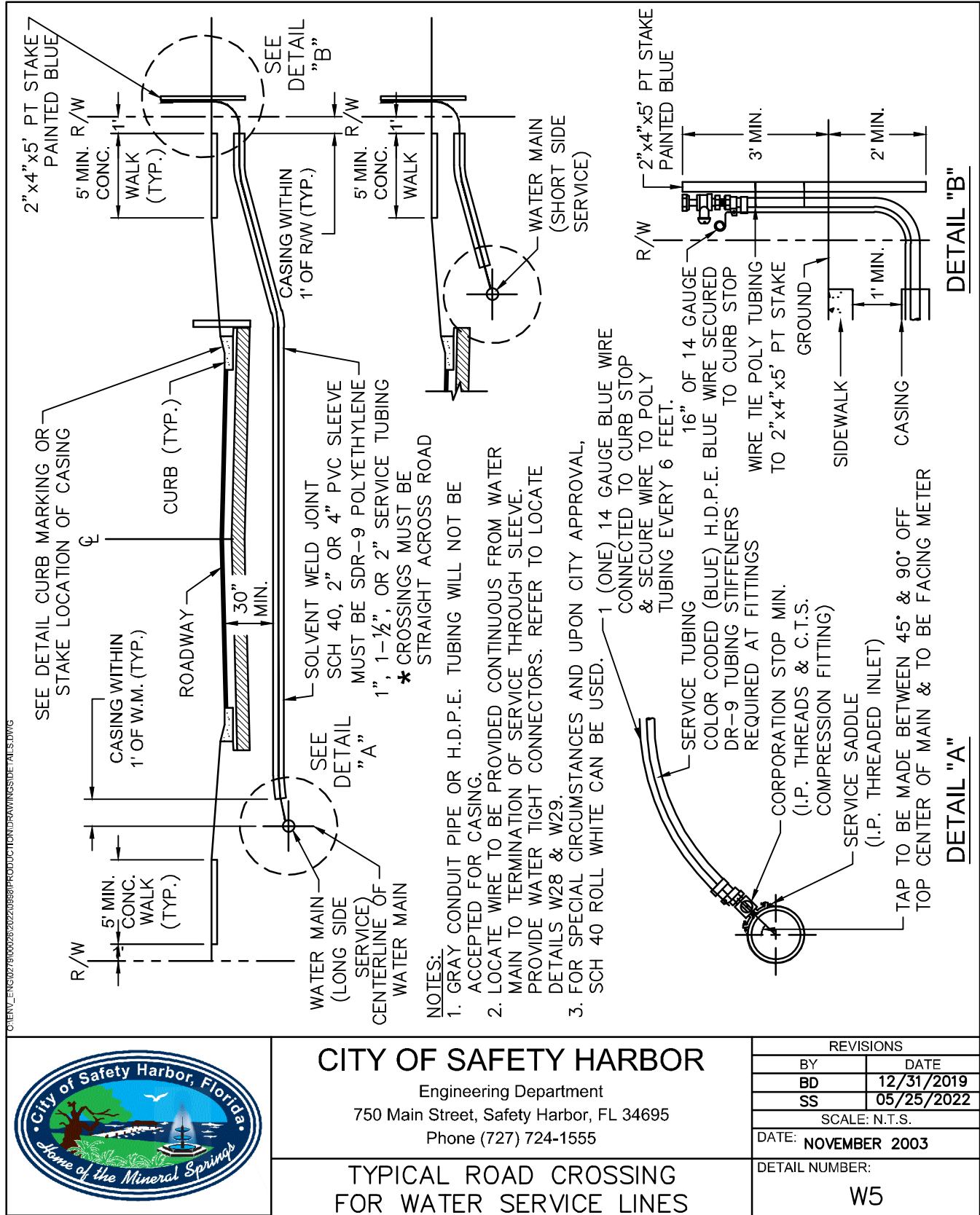
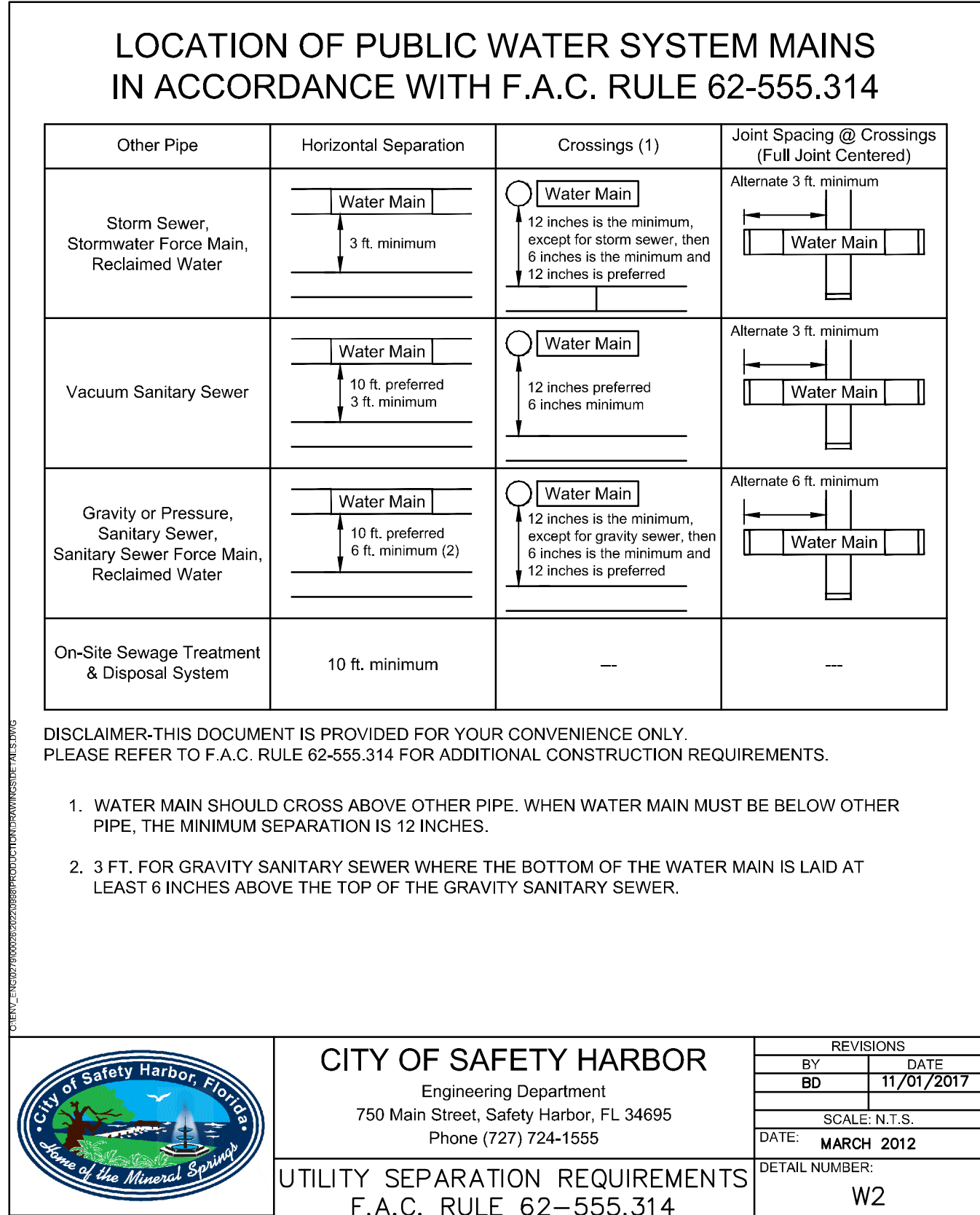
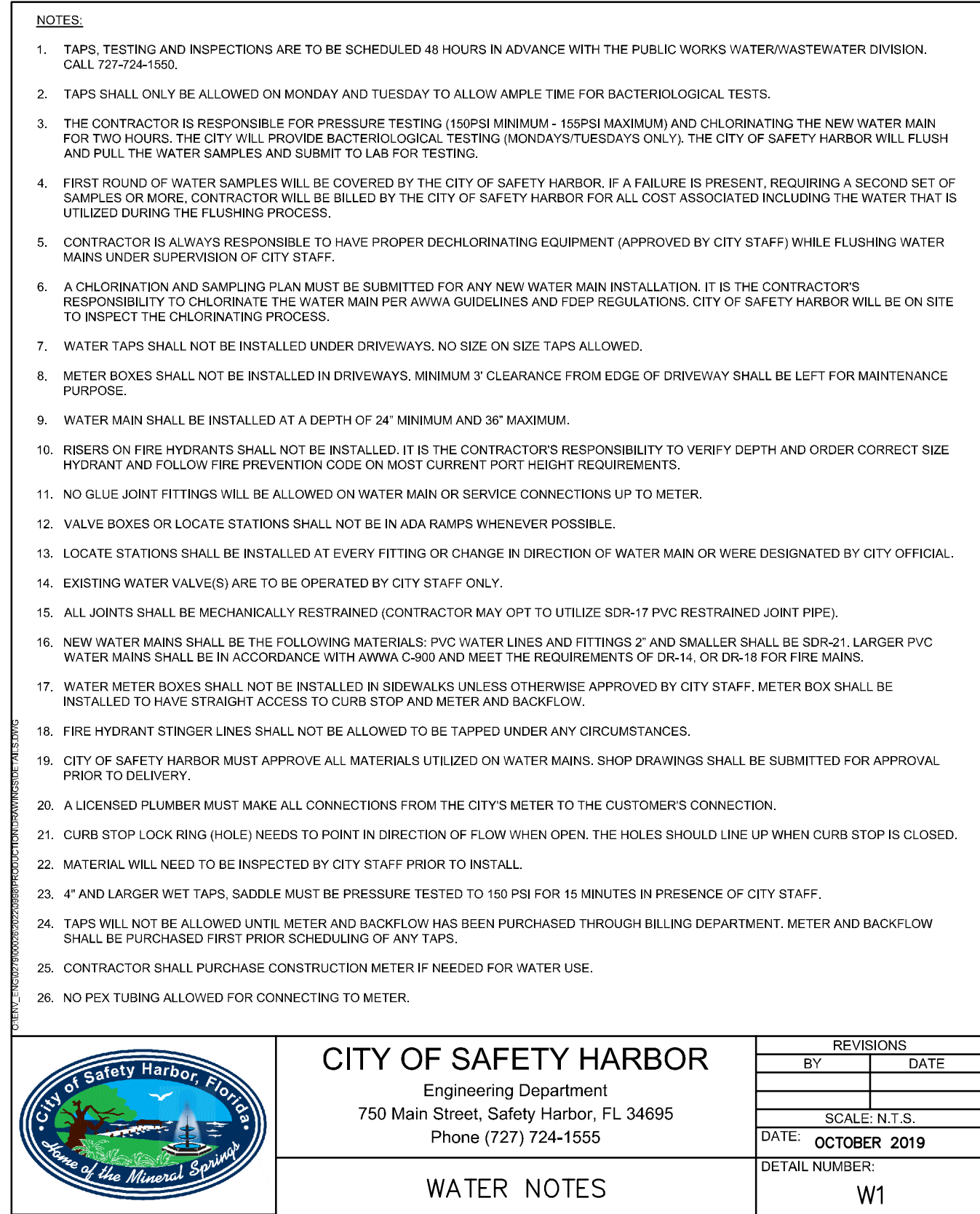
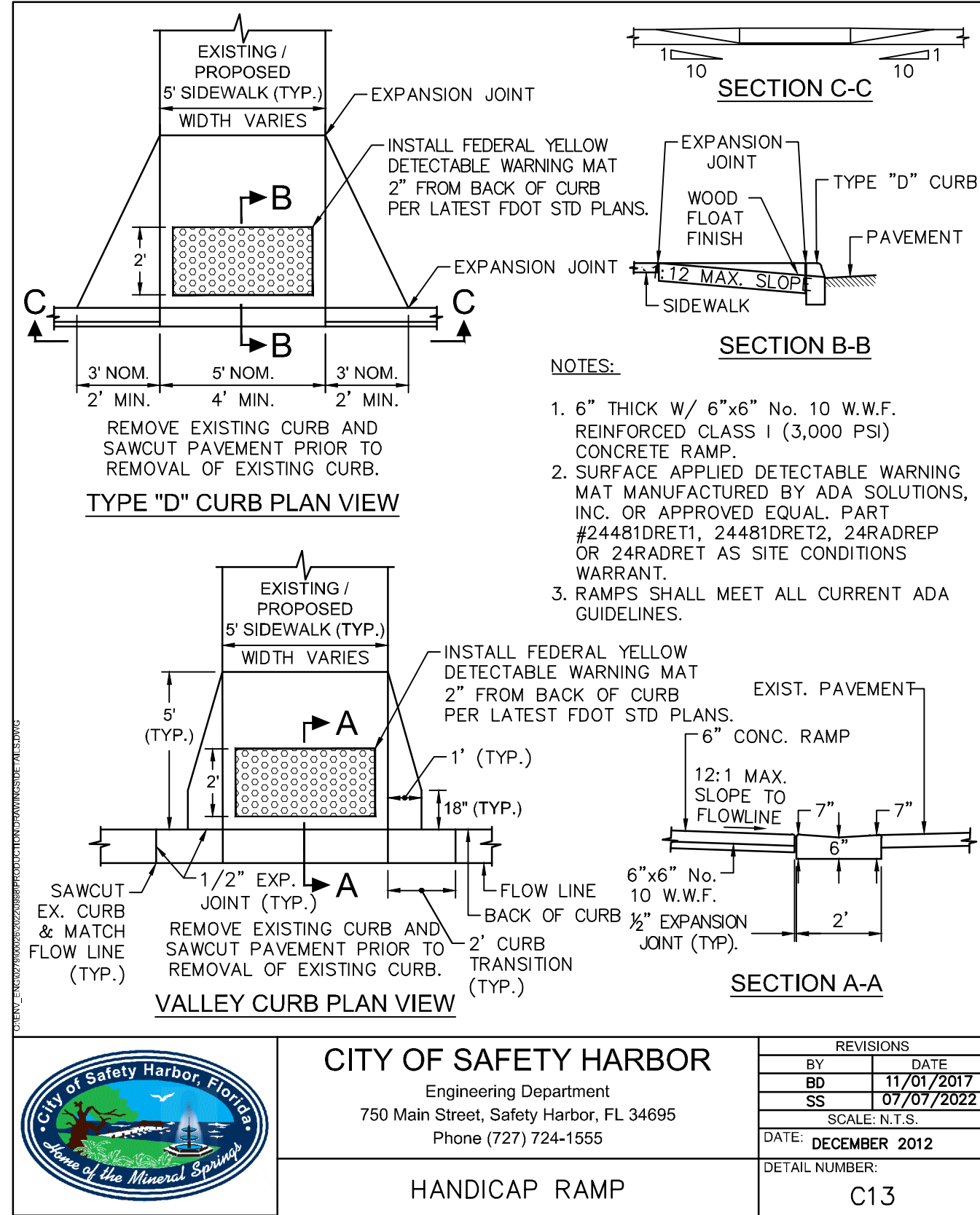
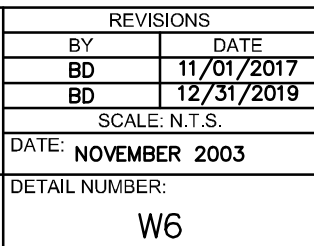


TABLE APPLIES TO 20 FOOT PIPE LENGTHS @ 150 P.S.I.G. FOR 2 HOURS. (PER AWWA SPECIFICATIONS). TEST PRESSURE WITH 24" MIN., 36" MAX. OF COVER OVER PIPE. NUMBERS SHOWN IN TABLE ARE THE NUMBER OF BELL JOINTS FOR EACH SIDE OF FITTING. CONTINUE TO PLACE THE NEXT PIPE WITH NUMBER OF RESTRAINED BELL JOINTS AS CALLED OUT IN THE TABLE.

1. NO GLUED JOINTS WILL BE ALLOWED. RESTRAINERS ARE THE ONLY ACCEPTABLE METHOD OF RESTRAINT.
2. APPLIED TO WATER AND FORCE MAIN INSTALLATIONS.
3. EBAA IRON WORKS MEGALUG ONLY (HAND TORQUED TO MANUFACTURERS SPECIFICATIONS).
4. APPLY TO EXISTING PIPE IN GROUND. ALL NEW INSTALLS ARE REQUIRED TO BE RESTRAINED.



REVISIONS	
BY	DATE
BD	11/01/2017
BD	12/31/2019
SCALE: N.T.S.	
DATE: JUNE 2013	
DETAIL NUMBER:	
W7	



REVISIONS	
BY	DATE
BD	12/31/2019
SS	05/27/2022
SCALE: N.T.S.	
DATE: JUNE 2013	
DETAIL NUMBER:	
W8	



REVISIONS	
BY	DATE
BD	11/01/2017
SS	05/25/2022
SCALE: N.T.S.	
DATE: JULY 2008	
DETAIL NUMBER:	
W9	

FITTINGS FOR INSTALLATION SUPPLIED BY THE CONTRACTOR

① SADDLE WITH S.S. STRAP (INLET 1" MIN. I.P. THREADS) → FORD 2028S STYLE
FC202 STYLE
FOP-202 STYLE

① CORPORATION STOP (I.P. THREADS BY COMPRESSION)

① FORD F1100-4 OR McDONALD 4704-22)

① TWO (2) 1" INSERT STIFFENER S.S. NOT SHOWN (MUELLER PART # 528705 OR McDONALD Part # 61337 WILL ONLY BE ACCEPTED)

① 1" BLUE POLYETHYLENE TUBING (SDR-9)

① 1" CTS COMP x MNPT FORD C8444 OR McDONALD 4753Q

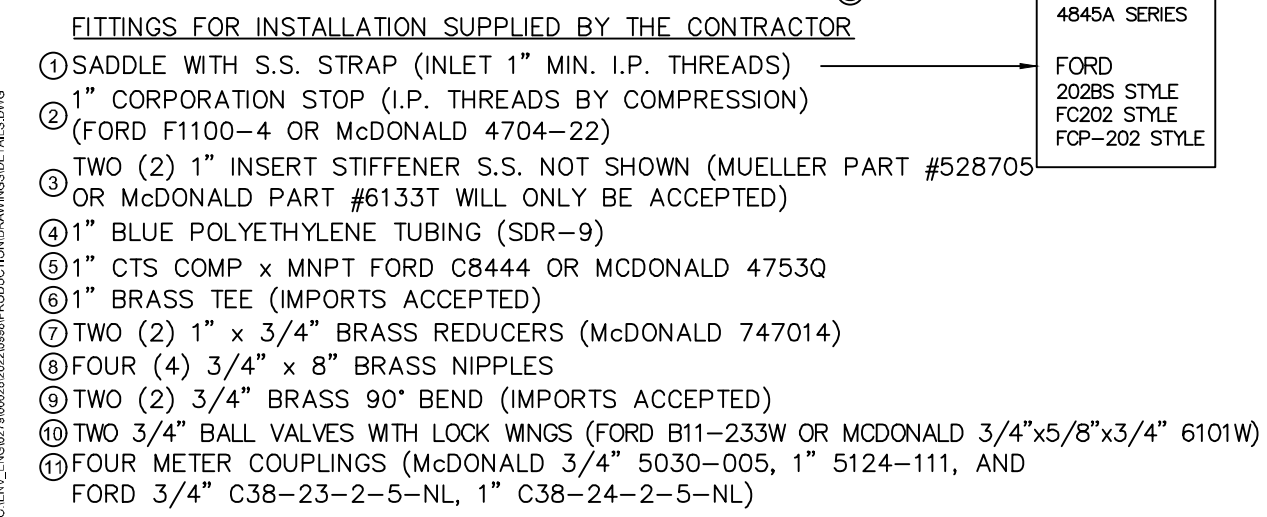
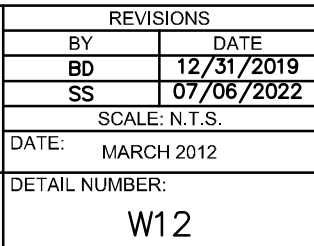
① 1" BRASS TEE (IMPORTS ACCEPTED)

① TWO (2) 1" x 3/4" BRASS REDUCERS (McDONALD 747014)

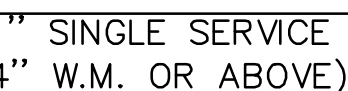
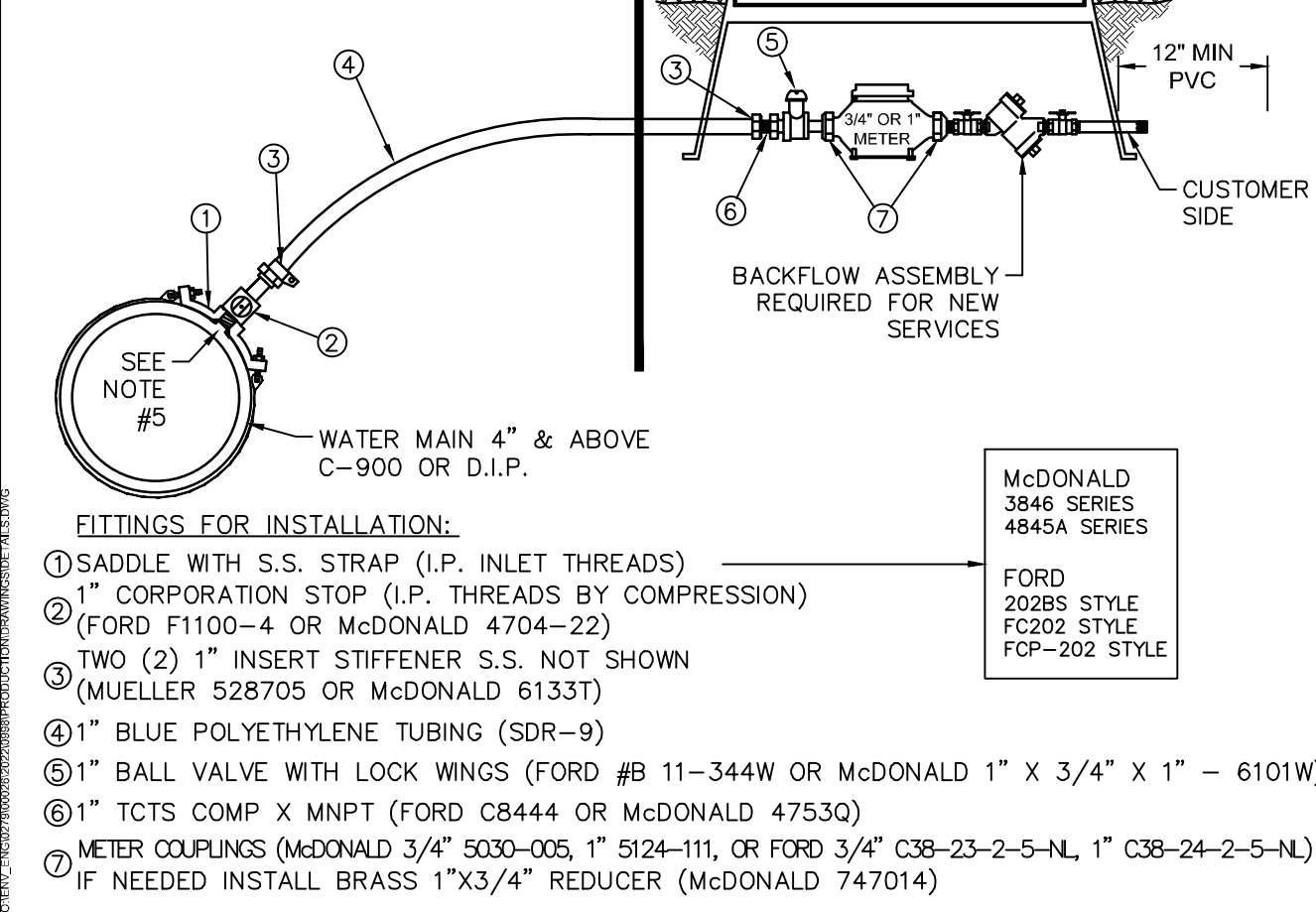
① TWO (2) 3/4" x 6" BRASS NIPPLES

① TWO 3/4" BALL VALVES WITH LOCK WINGS (FORD B11-233W OR McDONALD 3/4"x5/8"x3/4" 6101W)

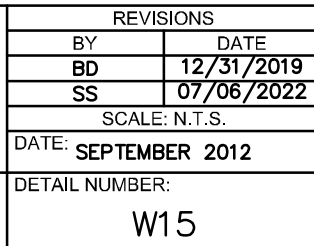
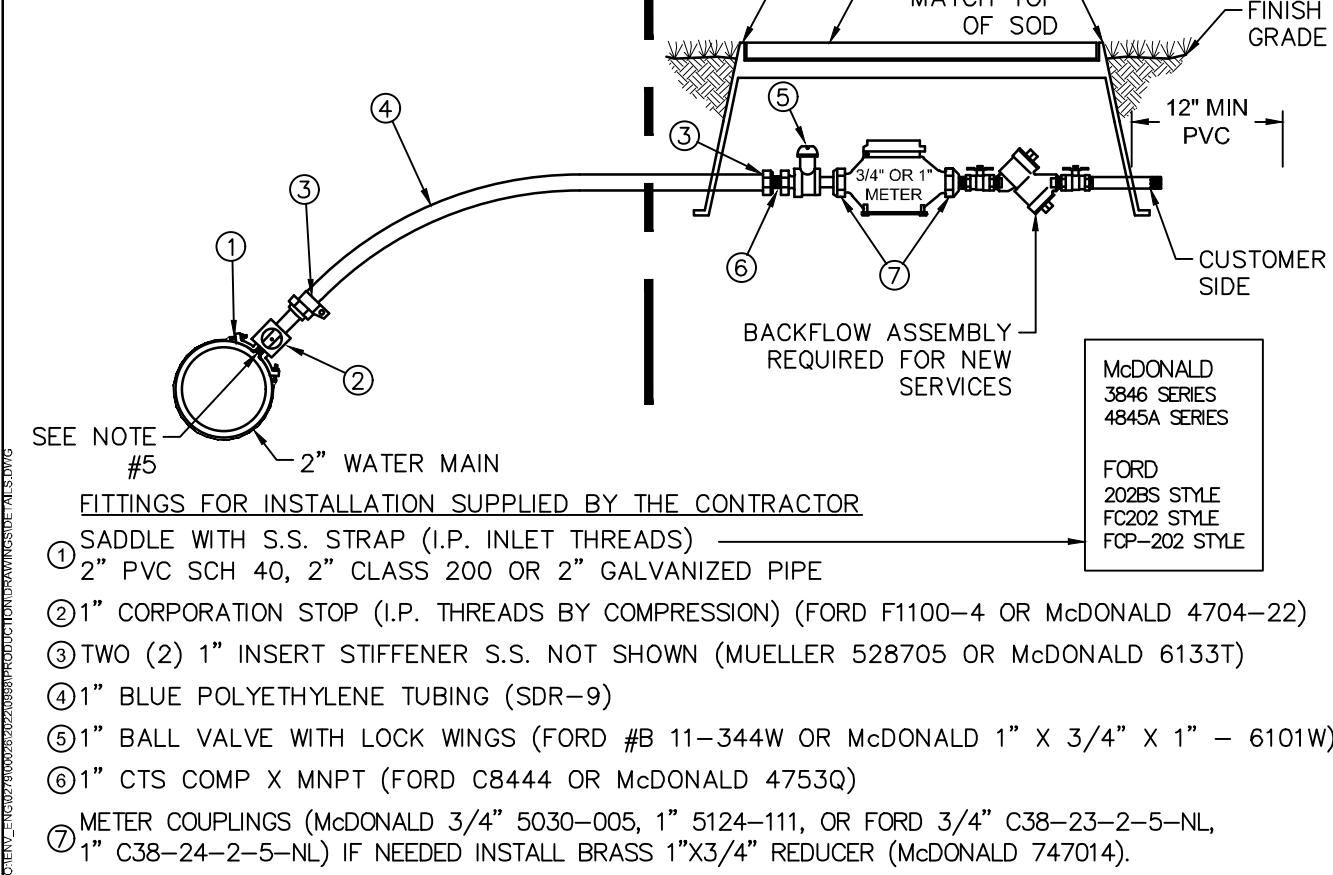
① FOUR METER COUPLINGS (McDONALD 3/4" 6030-005, 1" 5124-111, AND FORD 3/4" C38-23-2-5-NL, 1" C38-24-2-5-NL)



REVISIONS	
BY	DATE
BD	12/31/2019
SS	07/06/2022
SCALE: N.T.S.	
DATE: MARCH 2012	
DETAIL NUMBER:	
W13	



REVISIONS	
BY	DATE
BD	12/31/2019
SS	07/06/2022
SCALE: N.T.S.	
DATE: SEPTEMBER 2012	
DETAIL NUMBER:	
W14	



THIS LIST IS NOT A QUANTITY LIST. CONTRACTOR IS RESPONSIBLE TO CHECK THE DETAIL CONFIGURATION AND TOTAL THE ITEMS.

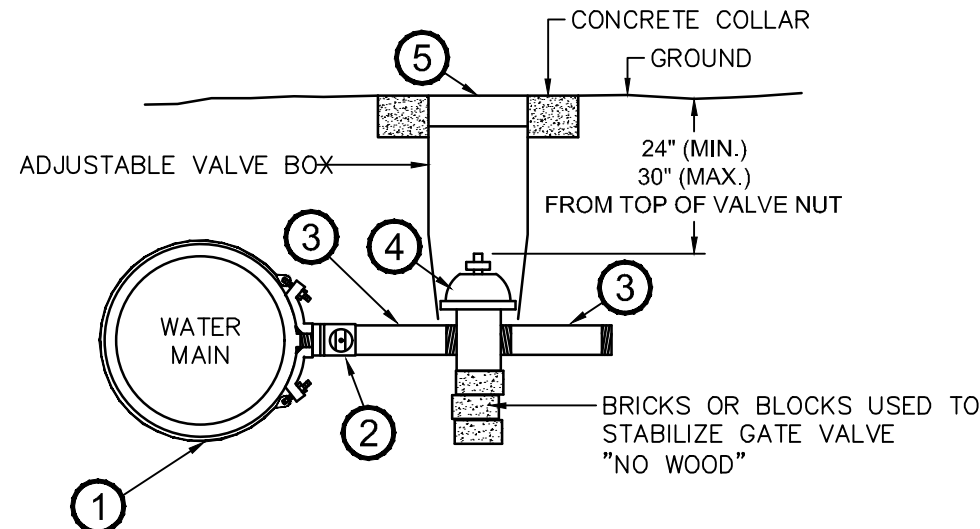
- 2" I.P. INLET THREADS SADDLE WITH S.S. STRAP.
- 2" BALL CORPORATION STOP
MALE BY FEMALE
(FORD FB-1700-7 OR MCDONALD 3149B)
- 2" x 6" BRASS NIPPLE
- 2" RESILIENT WEDGE GATE VALVE
- ONE (1) ADJUSTABLE TOP VALVE BOX - TYLER / UNION 6850 OR EQUIVALENT

NOTES:

- DRILLING BIT SHELL OR HOLE CUTTERS MUST BE 1-7/8". IF INSTALLATION CAN'T BE DONE USING DETAIL W16, THEN USE DETAIL W17. CITY INSPECTOR MUST RETRIEVE COUPON.

- ALL FITTINGS SHALL BE LEAD FREE.

*IF WATER MAIN HAS 30" OF COVER OR LESS, USE THIS DETAIL PROVIDING NO UTILITY CONFLICTS.



SIDE VIEW INSTALLATION



CITY OF SAFETY HARBOR

Engineering Department
750 Main Street, Safety Harbor, FL 34695
Phone (727) 724-1555

2" TAP INSTALLATION
(30" OR LESS OF COVER)

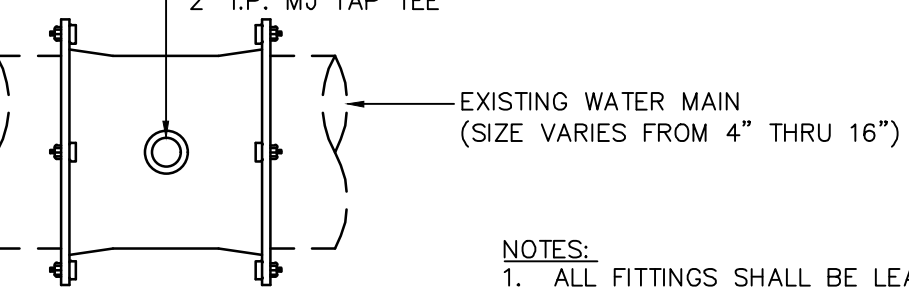
REVISIONS	
BY	DATE
BD	11/01/2017
BD	12/31/2019
SS	05/28/2022
SCALE: N.T.S.	
DATE:	MARCH 2012
DETAIL NUMBER:	W16

THIS LIST IS NOT A QUANTITY LIST. CONTRACTOR IS RESPONSIBLE TO CHECK THE DETAIL CONFIGURATION AND TOTAL THE ITEMS.

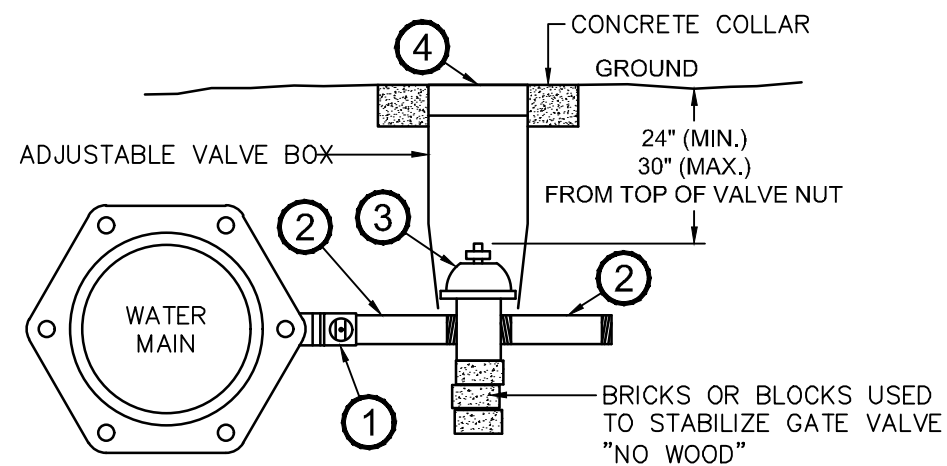
- 2" BALL CORPORATION STOP
MALE BY FEMALE
(FORD FB-1700-7 OR MCDONALD 3149B)
- 2" x 6" BRASS NIPPLE
- 2" RESILIENT WEDGE GATE VALVE
- ONE (1) ADJUSTABLE TOP VALVE BOX - TYLER / UNION 6850 OR EQUIVALENT

NOTES:

- ALL FITTINGS SHALL BE LEAD FREE.
- ALL FITTINGS SHALL BE APPROVED BY CITY STAFF PRIOR TO INSTALLATION.



FRONT VIEW INSTALLATION



SIDE VIEW INSTALLATION



CITY OF SAFETY HARBOR

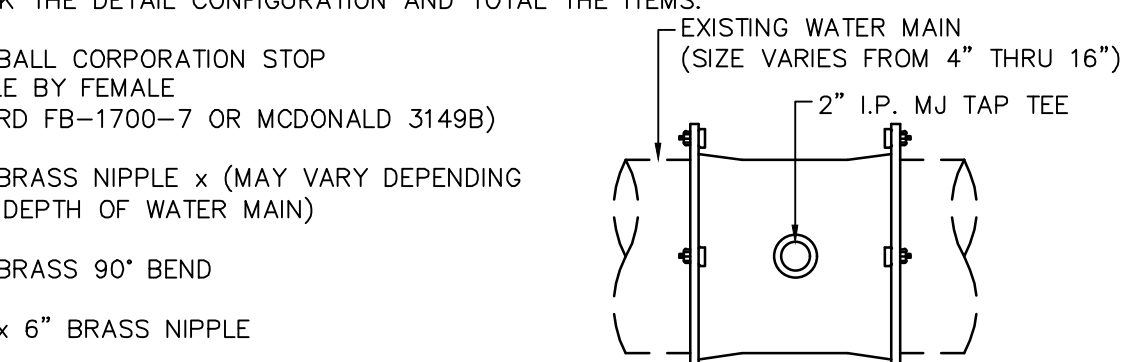
Engineering Department
750 Main Street, Safety Harbor, FL 34695
Phone (727) 724-1555

2" MJ TAP TEE (30" OR LESS OF COVER)

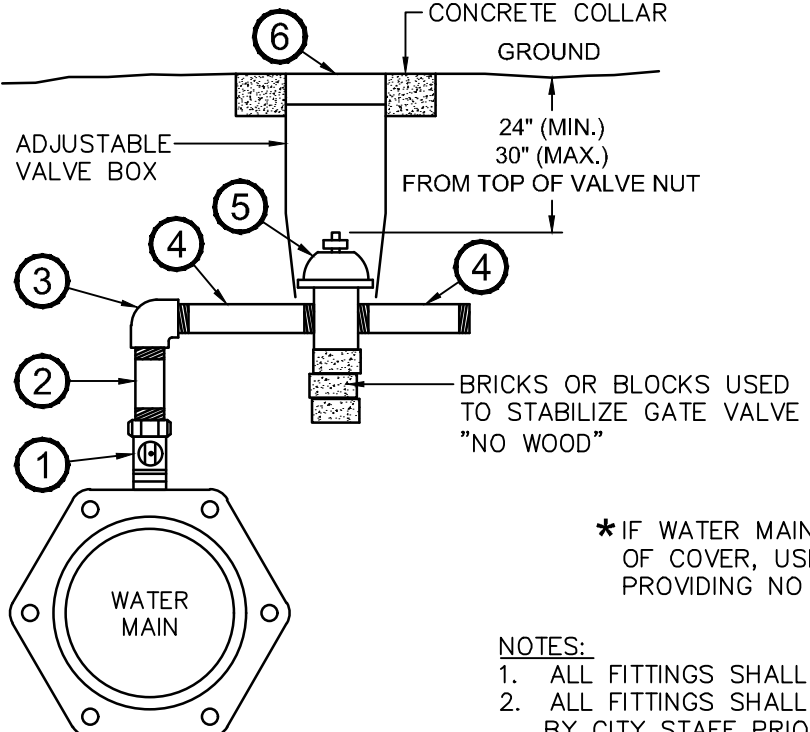
REVISIONS	
BY	DATE
BD	12/31/2019
SS	05/28/2022
SCALE: N.T.S.	
DATE:	NOVEMBER 2015
DETAIL NUMBER:	W18

THIS LIST IS NOT A QUANTITY LIST. CONTRACTOR IS RESPONSIBLE TO CHECK THE DETAIL CONFIGURATION AND TOTAL THE ITEMS.

- 2" BALL CORPORATION STOP
MALE BY FEMALE
(FORD FB-1700-7 OR MCDONALD 3149B)
- 2" BRASS NIPPLE x (MAY VARY DEPENDING ON DEPTH OF WATER MAIN)
- 2" BRASS 90° BEND
- 2" x 6" BRASS NIPPLE
- 2" RESILIENT WEDGE GATE VALVE



FRONT VIEW INSTALLATION



SIDE VIEW INSTALLATION

*IF WATER MAIN HAS OVER 30" OF COVER, USE THIS DETAIL PROVIDING NO UTILITY CONFLICTS.

- ALL FITTINGS SHALL BE LEAD FREE.
- ALL FITTINGS SHALL BE APPROVED BY CITY STAFF PRIOR TO INSTALLATION.

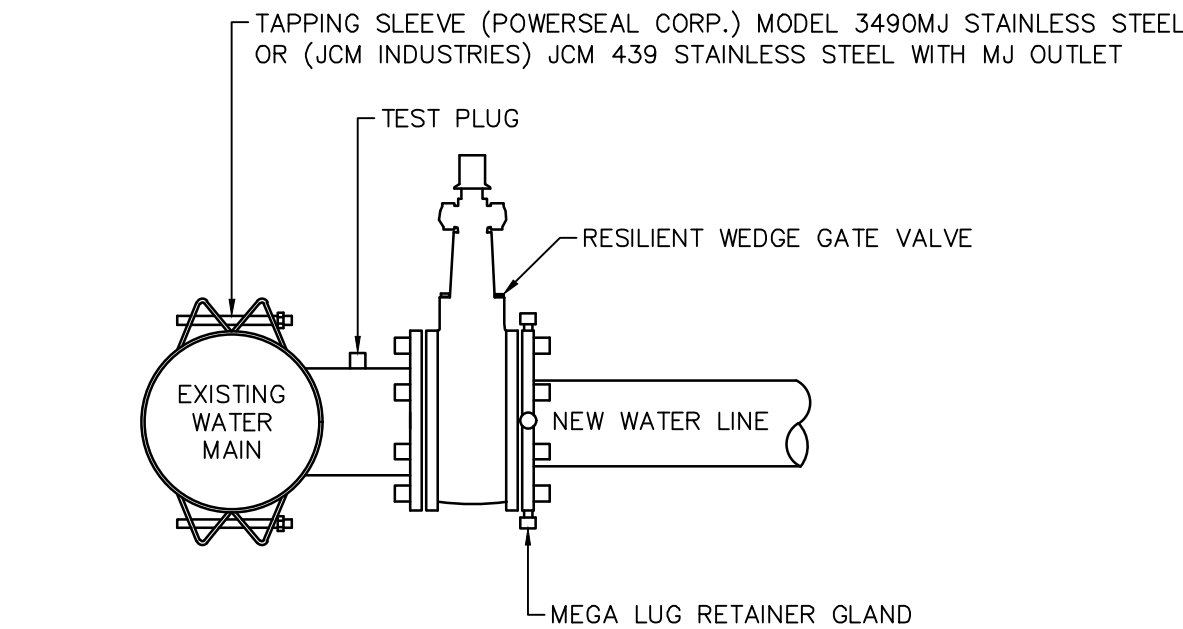


CITY OF SAFETY HARBOR

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2" MJ TAP TEE (GREATER THAN 30" OF COVER)

REVISIONS	
BY	DATE
BD	12/31/2019
SS	05/28/2022
SCALE: N.T.S.	
DATE:	APRIL 2016
DETAIL NUMBER:	W19



NOTES:

- CITY INSPECTOR MUST BE PRESENT FOR TAP & COLLECTION OF THE COUPON.
- PRESSURE TEST @ 150 P.S.I. FOR 15 MINUTES IN THE PRESENCE OF A CITY INSPECTOR.
- NO SIZE ON SIZE TAPS WILL BE PERMITTED.

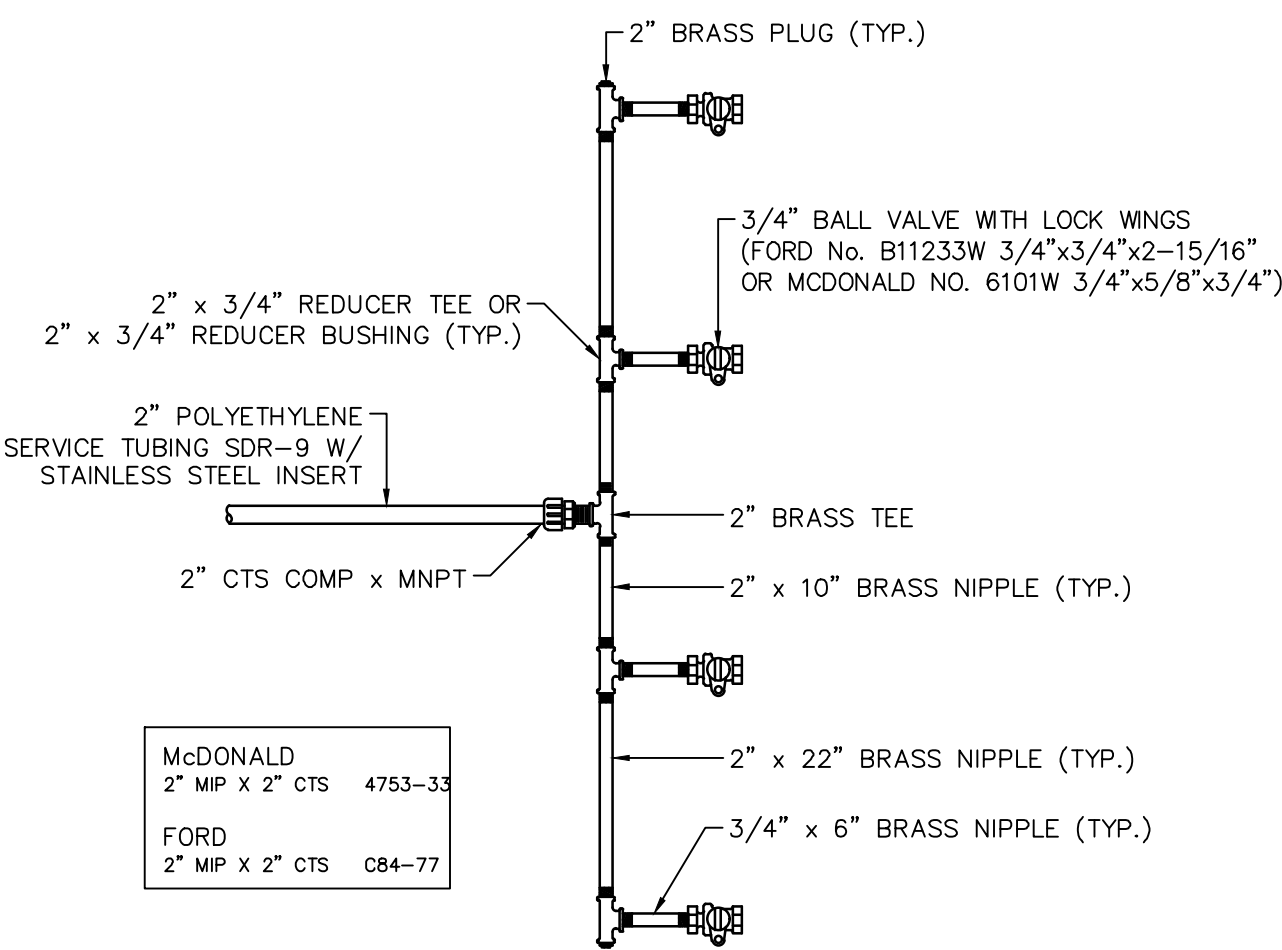


CITY OF SAFETY HARBOR

Engineering Department
750 Main Street, Safety Harbor, FL 34695
Phone (727) 724-1555

WET TAP (6" PIPE & LARGER)

REVISIONS	
BY	DATE
TAW	07/01/2015
SCALE: N.T.S.	
DATE:	NOVEMBER 2003
DETAIL NUMBER:	W20



NOTES:

- ALL PIPES & FITTINGS TO BE BRASS (LEAD FREE).
- ALL FITTINGS SHALL BE APPROVED BY CITY STAFF PRIOR TO INSTALLATION.
- LOCK WINGS SHALL OPEN TOWARD THE METER.
- FOR A NEW SERVICE WHEN AN EXISTING METER IS NOT PRESENT, THE CITY WILL SUPPLY AND INSTALL THE FOLLOWING: 3/4" WATER METER, DOUBLE CHECK VALVE ASSEMBLY, AND METER BOX WITH A READER LID. CUSTOMER MUST PAY FOR PARTS, IN ADVANCE, THROUGH THE CITY'S UTILITY BILLING DEPARTMENT.
- FOR ALL CAPITAL IMPROVEMENT PROJECTS OR SUBDIVISION DEVELOPMENTS, THE CONTRACTOR IS RESPONSIBLE FOR SUPPLYING AND INSTALLING THE METER BOXES WITH A READER LID.
- ASSEMBLY MAY BE MODIFIED FOR SPECIAL CIRCUMSTANCES WITH APPROVAL FROM CITY STAFF.

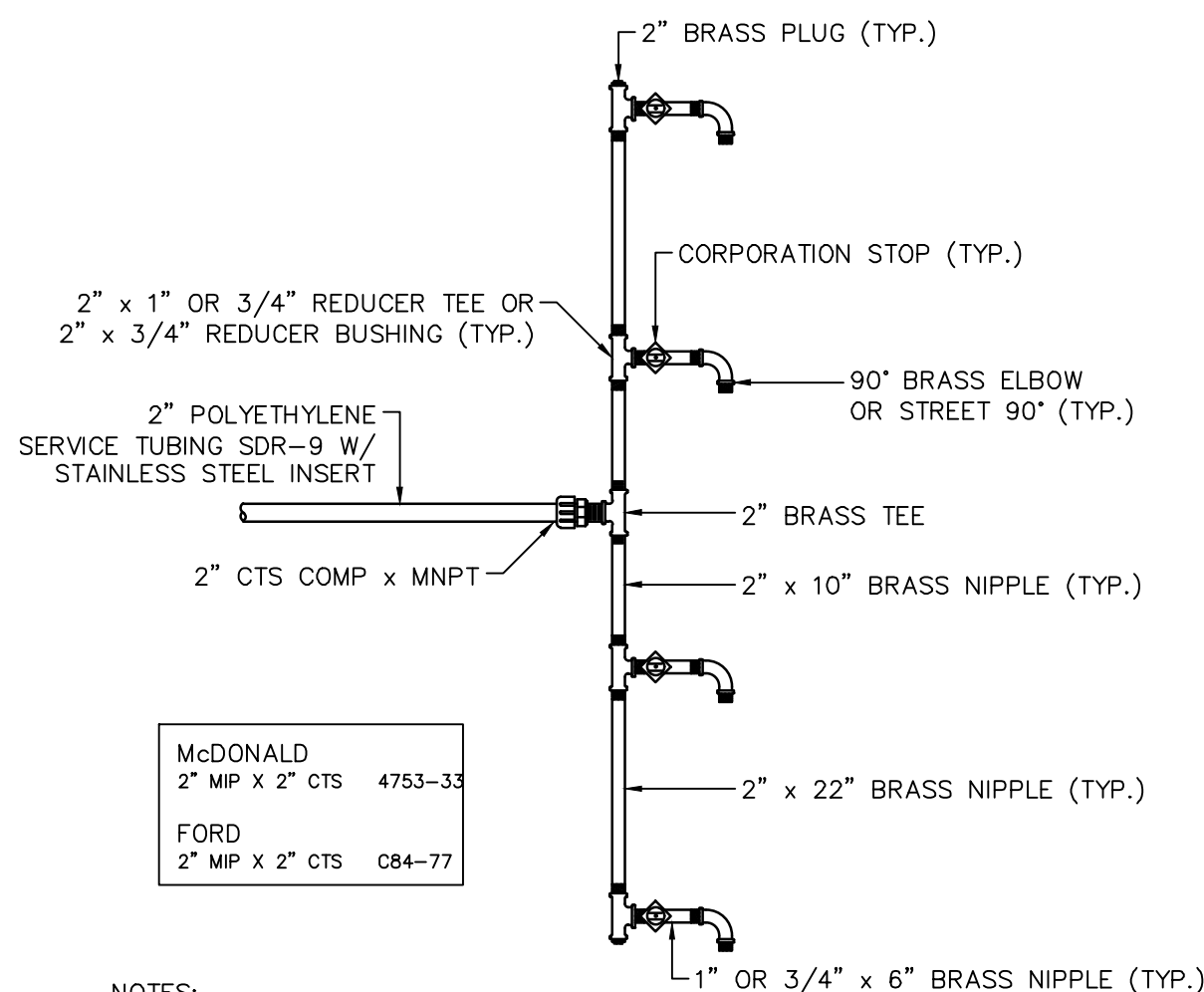


CITY OF SAFETY HARBOR

Engineering Department
750 Main Street, Safety Harbor, FL 34695
Phone (727) 724-1555

MANIFOLD SERVICE FOR BELOW GROUND METER ASSEMBLY

REVISIONS	
BY	DATE
BD	12/31/2019
SS	05/28/2022
SCALE: N.T.S.	
DATE:	NOVEMBER 2003
DETAIL NUMBER:	W21



NOTES:

- ALL PIPES & FITTINGS TO BE BRASS (LEAD FREE).
- ALL FITTING SHALL BE APPROVED BY CITY STAFF PRIOR TO INSTALLATION.
- FOR A NEW SERVICE WHEN AN EXISTING METER IS NOT PRESENT, THE CITY WILL SUPPLY AND INSTALL THE FOLLOWING: 3/4" OR 1" WATER METER, DOUBLE CHECK VALVE ASSEMBLY, AND METER BOX WITH A READER LID. CUSTOMER MUST PAY FOR METER AND BACKFLOW, IN ADVANCE, THROUGH THE CITY'S UTILITY BILLING DEPARTMENT.
- FOR ALL CAPITAL IMPROVEMENT PROJECTS OR SUBDIVISION DEVELOPMENTS, THE CONTRACTOR IS RESPONSIBLE FOR SUPPLYING AND INSTALLING THE METER BOXES WITH A READER LID.
- ASSEMBLY MAY BE MODIFIED FOR SPECIAL CIRCUMSTANCES WITH APPROVAL FROM CITY STAFF.

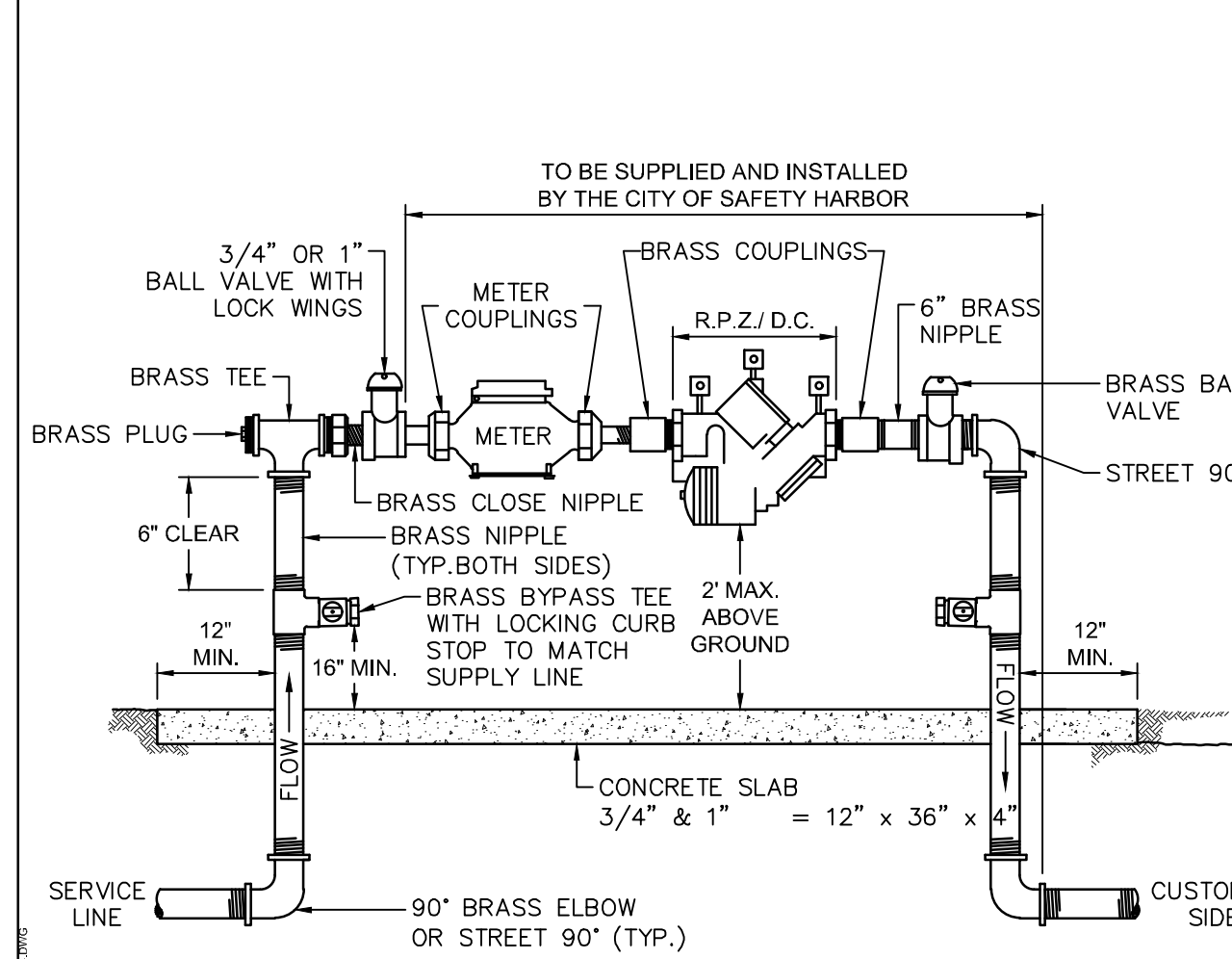


CITY OF SAFETY HARBOR

Engineering Department
750 Main Street, Safety Harbor, FL 34695
Phone (727) 724-1555

2" MANIFOLD SERVICE

REVISIONS	
BY	DATE
SS	07/06/2022
SCALE: N.T.S.	
DATE:	OCTOBER 2019
DETAIL NUMBER:	W22



NOTES:

- TO PREVENT DAMAGE TO DEVICE, TURN WATER ON VERY SLOWLY.
- ADDITIONAL FITTINGS MAY BE REQUIRED THAT HAVE NOT BEEN REPRESENTED ON THE DETAIL. CONTRACTOR SHALL SUPPLY ALL NECESSARY FITTINGS TO ENSURE THAT THE SYSTEM IS COMPLETE AND FUNCTIONAL.
- METER BYPASS SHALL NOT BE USED AS A CONNECTION POINT FOR TEMPORARY WATER USE.

SIDE VIEW

SIZES: 3/4" OR 1"

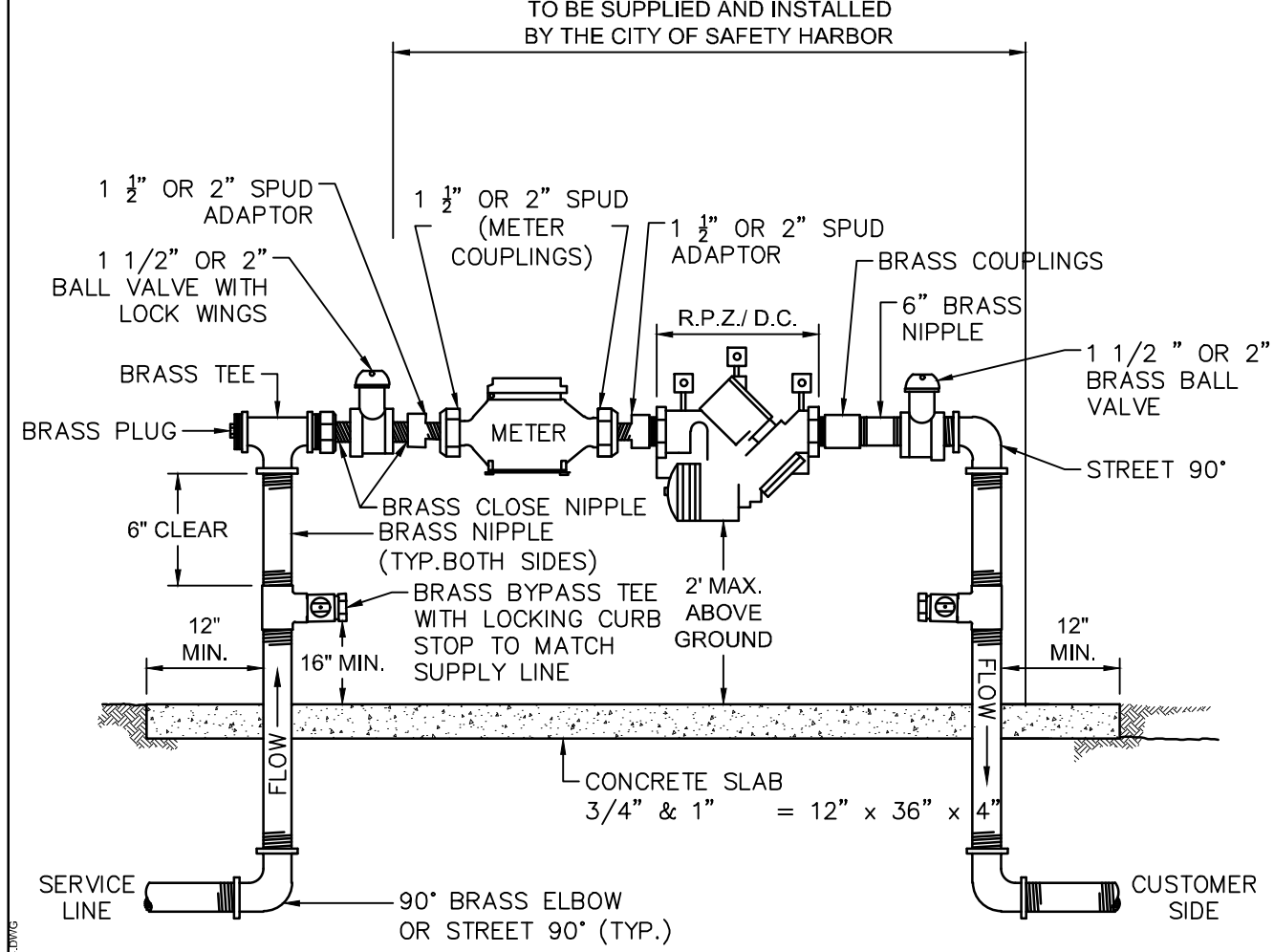


CITY OF SAFETY HARBOR

Engineering Department
750 Main Street, Safety Harbor, FL 34695
Phone (727) 724-1555

REDUCED PRESSURE BACKFLOW ASSEMBLY 3/4" OR 1"

REVISIONS	
BY	DATE
BD	12/31/2019
SS	07/22/2022
SCALE: N.T.S.	
DATE:	SEPTEMBER 2012
DETAIL NUMBER:	W25



NOTES:

- TO PREVENT DAMAGE TO DEVICE, TURN WATER ON VERY SLOWLY.
- ADDITIONAL FITTINGS FOR 1 1/2" OR 2" METER MAY BE REQUIRED THAT HAVE NOT BEEN REPRESENTED ON THE DETAIL. CONTRACTOR SHALL SUPPLY ALL NECESSARY FITTINGS TO ENSURE THAT THE SYSTEM IS COMPLETE AND FUNCTIONAL.
- METER BYPASS SHALL NOT BE USED AS A CONNECTION POINT FOR TEMPORARY WATER USE.

SIDE VIEW

SIZES: 1 1/2" OR 2"



CITY OF SAFETY HARBOR

Engineering Department
750 Main Street, Safety Harbor, FL 34695
Phone (727) 724-1555

REDUCED PRESSURE BACKFLOW ASSEMBLY 1-1/2" OR 2"

REVISIONS	
BY	DATE
SS	07/22/2022
SCALE: N.T.S.	
DATE:	SEPTEMBER 2012
DETAIL NUMBER:	W25B

SEMINOLE PARK AND MAPLEWAY
WATER MAIN REPLACEMENT (UT0096)

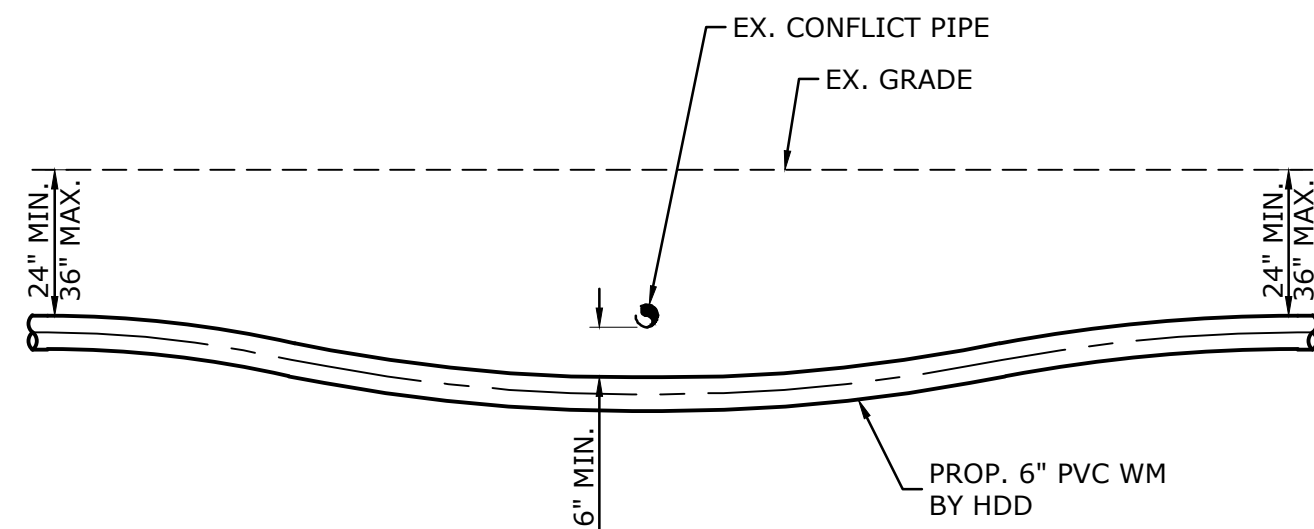
MISCELLANEOUS DETAILS (4)

JOB NO: 0279-00026-2022-0968
DATE: JUNE 2022

D1.04

BID DOCUMENTS
06/25/2025

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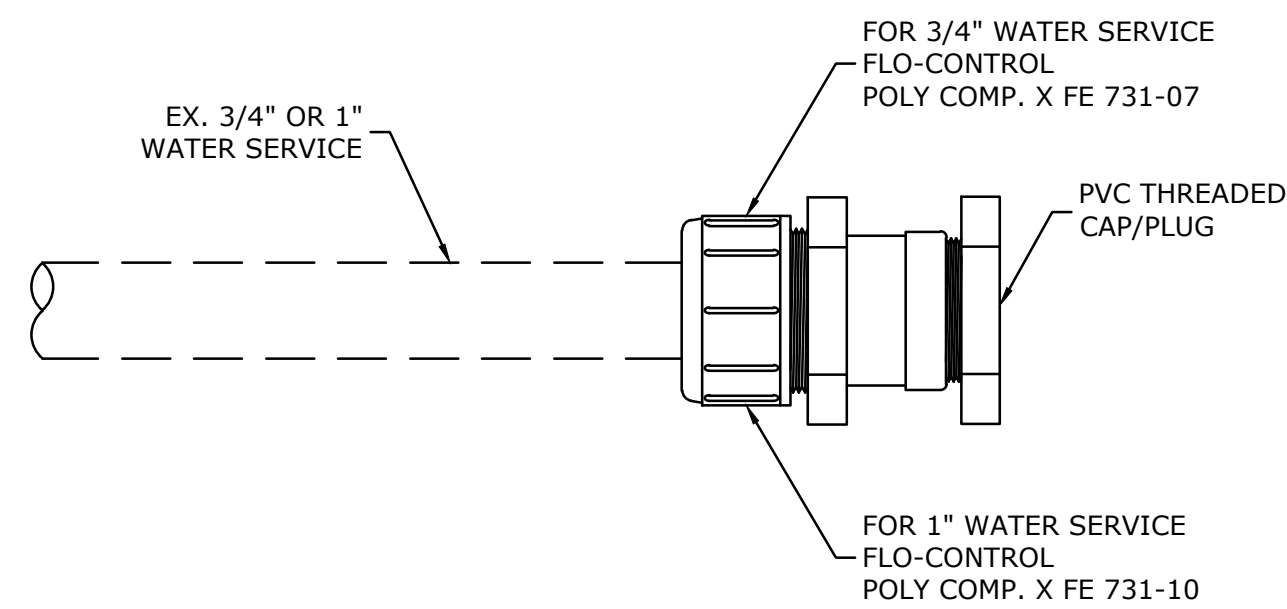
TYPE I

NOTES:

1. WHEN WATER MAIN MUST BE BELOW OTHER PIPE, THE MINIMUM SEPARATION IS 6 INCHES.
2. BOTTOM OF WATER MAIN SHALL BE AT LEAST 6 INCHES ABOVE THE TOP OF THE GRAVITY SEWER. 6 INCHES ABOVE ALL OTHER UTILITIES.
3. ALL SEPARATION DISTANCES ARE FROM OUTSIDE OF PIPE TO OUTSIDE OF PIPE.

HDD UTILITY CONFLICT DETAIL

NTS

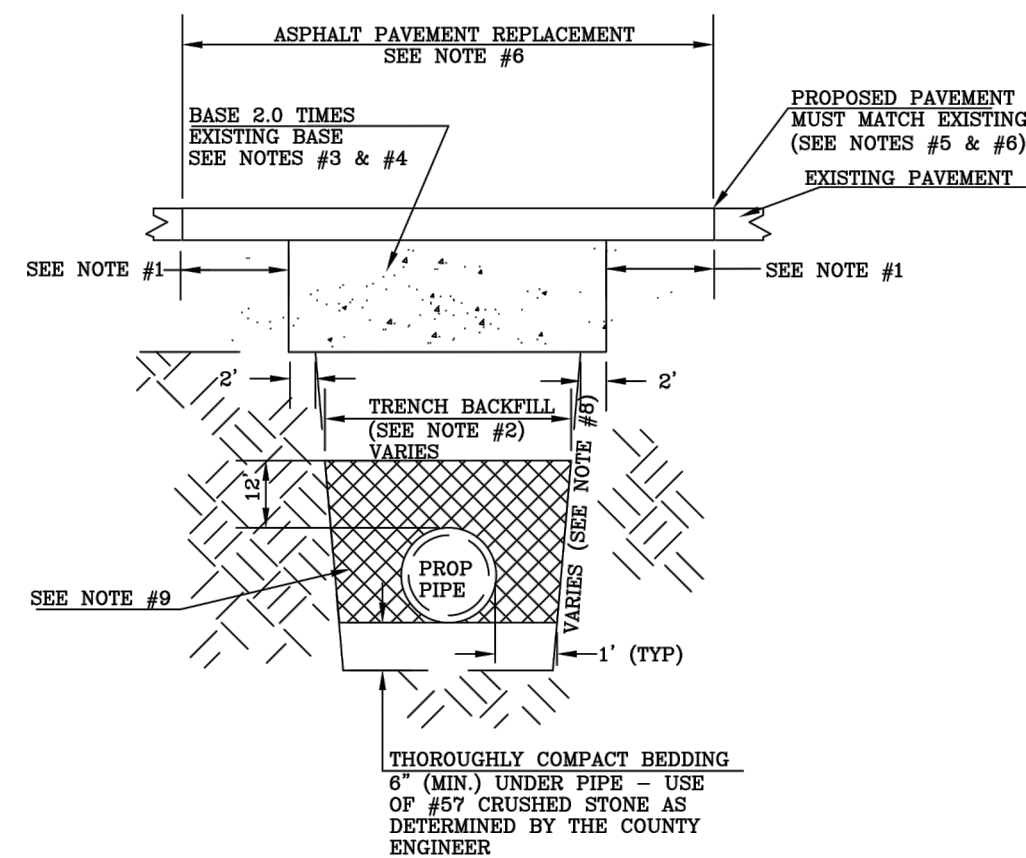


2" & SMALLER WM & SERVICES ABANDONMENT DETAIL

NTS



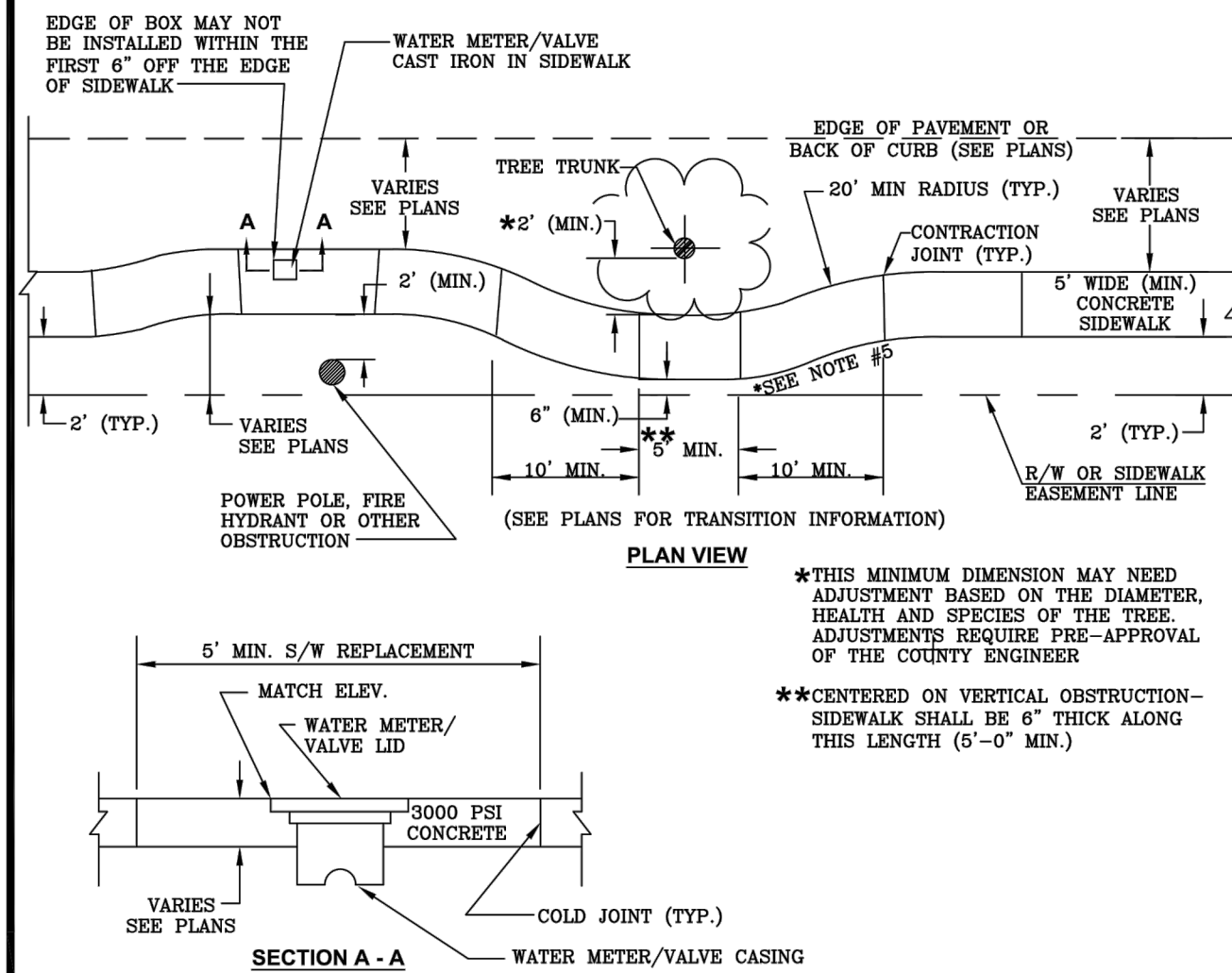
1. MILLING AND RESURFACING LIMITS: 3'-0" FOR RESIDENTIAL ROADWAYS, 25'-0" FOR ALL OTHER TYPES OF ROADWAYS. WORK MUST INCLUDE EXISTING LANE WIDTH.
2. BACKFILL FOR TRENCH MUST BE PLACED IN 6" COMPACTED LAYERS TO 100% OF MAXIMUM DENSITY AS DETERMINED BY AASHTO T-99. (EXCAVATABLY FLOWABLE FILL OPTION IS SUBJECT TO COUNTY ENGINEER'S APPROVAL. RESURFACING AND MILLING SHALL BE REQUIRED.)
3. BASE MATERIAL MUST BE LIME ROCK OR CRUSHED CONCRETE (MIN. 1" GR. 100) AND MUST BE PLACED IN 6" COMPACTED LAYERS TO 98% OF MAXIMUM DENSITY AS DETERMINED BY AASHTO T-180 (MODIFIED) (TEST REPORTS ARE REQUIRED AND MUST BE SUBMITTED TO PINELLAS COUNTY) (12" MIN.).
4. ALTERNATE BASE COURSE MAY BE USED IN WET AREAS, FULL-SLIP ASPHALTIC CONCRETE, FINE TRAFFIC LEVEL C TYPE 12.5, MUST BE PLACED IN 2" COMPACTED LAYERS WITH A MINIMUM THICKNESS EQUAL TO THE EXISTING BASE (6" MIN.).
5. ASPHALTIC CONCRETE JUNCTIONS MUST BE SAW-CUT AND ALL SURFACES TACK COATED.
6. ASPHALT SURFACE MUST BE CONSISTENT WITH EXISTING GRADE. IN ACCORDANCE WITH PINELLAS COUNTY SPECIFICATIONS, THE FOLLOWING ROADWAY CLASSIFICATION TYPE/THICKNESS ARE REQUIRED: ARTERIAL - 3" MIN. (SP-9.5 TRAFFIC LEVEL C TYPE 12.5), MAJOR COLLECTOR - 2" MIN. (SP-9.5 TRAFFIC LEVEL C TYPE 12.5), RESIDENTIAL - 1 1/4" MIN. TYPE SP-9.5 TRAFFIC LEVEL "C" (TEST REPORTS ARE REQUIRED AND MUST BE SUBMITTED TO PINELLAS COUNTY).
7. CLOSURE OF CONSTRUCTION SCARS TO PAVEMENT AND TRENCH MUST BE REQUIRED AS DIRECTED BY THE COUNTY ENGINEER.
8. EXCAVATION MUST COMPLY WITH THE TRENCH SAFETY ACT REQUIREMENTS.
9. ALL EXISTING COMPACTABLE MATERIAL AROUND THE PITS SHALL BE REPAIRED TO ORIGINAL CONDITION.
10. ALL MATERIAL WORK AND TESTING MUST MEET PINELLAS COUNTY STANDARD SPECIFICATIONS.
11. CONTRACTOR MUST RESTORE PAVEMENT TO MATCH THE GRADES THAT EXISTED PRIOR TO CONSTRUCTION. ANY ADDITIONAL SURVEY NECESSARY TO ENSURE THAT THIS REQUIREMENT IS MET MUST BE PERFORMED AT THE CONTRACTOR'S EXPENSE.

**PINELLAS COUNTY**

PAVEMENT CUTS, EXCAVATION AND RESTORATION

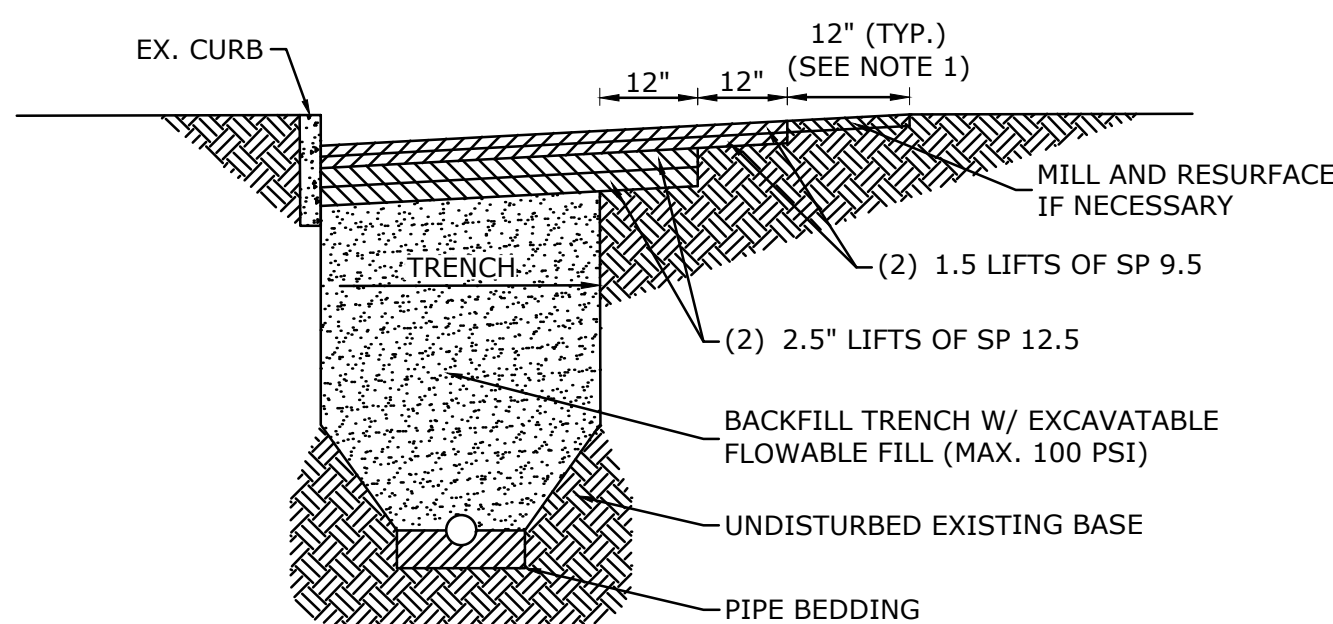
DETAIL INDEX I.D.:	1291
DATE:	FEB/2022

- NOTES:
1. ADJUST SIDEWALK TO AVOID OBSTRUCTIONS, AS SHOWN, OR AS DIRECTED BY THE ENGINEER, IN ACCORDANCE WITH F.D.O.T. MANUAL OF UNIFORM MINIMUM STANDARDS FOR DESIGN, CONSTRUCTION, AND MAINTENANCE FOR STREETS AND HIGHWAYS - LATEST EDITION ("FLORIDA GREEN BOOK").
 2. CONSTRUCTION OF SIDEWALKS SHALL MEET AEA REQUIREMENTS AS SPECIFIED IN F.D.O.T. STANDARD PLANS 522-001.
 3. POWER POLES SHALL BE MOVED WHEN POSSIBLE.
 4. TREES SHALL BE PRUNED BY AN ISA CERTIFIED ARBORIST IN ACCORDANCE WITH ANSI-A300 GUIDELINES TO MAINTAIN VERTICAL CLEARANCE: 10 FT. FOR SIDEWALKS AND 16 FT. FOR ROADS.
 5. MAXIMUM LATERAL DEFLECTION SHALL BE 5:1.
 6. FOR ROOT REMOVAL, SEE PC DETAIL 1111.

**PINELLAS COUNTY**

GUIDELINES FOR SIDEWALK ALIGNMENT

DETAIL INDEX I.D.:	1357
DATE:	FEB/2022

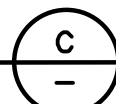


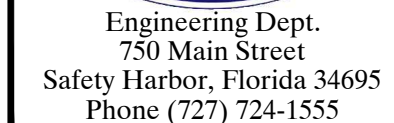
NOTES:

1. STAIR STEP LIFTS TO AVOID VERTICAL JOINTS
2. ROADWAY RESTORATION WILL UTILIZE 100 PSI EXCAVATABLE FLOWABLE FILL AND ASPHALT PLACED WITHIN THE STATE RIGHT-OF-WAY SHALL BE PLACED "FULL DEPTH", (2) 2.5" LIFTS OF SP 12.5, (2) 1.5" LIFTS OF SP 9.5. TYPICAL SECTIONS WILL NEED TO BE PROVIDED WITHIN THE PLANS FOR THE PAVEMENT PLACEMENT. A STAIR STEP METHOD SHOULD BE INCORPORATED, PRIOR TO PLACING ASPHALT, TO AVOID VERTICAL JOINTS.
3. MILLING OF THE PATCH MAY BE REQUIRED BASED ON THE PATCHED SURFACE PERFORMANCE. THE MILLING SHALL BE UTILIZED FOR SURFACE LEVELING TO A THICKNESS EQUAL TO OR GREATER THAN THE EXISTING FRICTION COURSE MATERIAL.
4. THE MILLING LIMITS ARE 50 FEET OF THE PATCH ALONG THE LONGITUDINAL PATH OF THE LANE, FULL LANE WIDTH AND 10' TO INCLUDE ANY ADJACENT BIKE LANES, SHARED PATH, OR URBAN SHOULDER SECTIONS.
5. THE FLOWABLE FILL AND ASPHALT WILL NEED TO COME FROM A FOOT APPROVED PLANT.

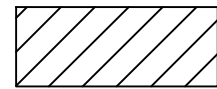
TRENCH CUTS AND RESTORATIONS ACROSS FDOT ROADWAYS

NTS

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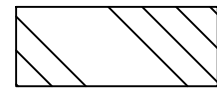
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TRAFFIC CONTROL PLAN 1



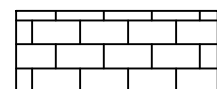
WORK ZONE B - LONG-TERM ROAD CLOSURE

1. MAINTAIN EXISTING TRAVEL LANES UNLESS OTHERWISE SHOWN. MAINTAIN POSTED SPEED LIMITS FOR TRAVEL LANES.
2. INSTALL SHOULDER CLOSURE PER FDOT STANDARD PLANS INDEX 102-602.
3. DIRECTLY ADJACENT TEMPORARY WORK ZONES MAY BE UTILIZED DURING ACTIVE WORK TIMES.
4. CONSTRUCT UTILITY IMPROVEMENTS.
5. RESTORE DISTURBED AREA.
6. REMOVE TRAFFIC CONTROL DEVICES.
7. UTILIZE FDOT STANDARD PLANS INDEX 102-607 DURING PAVEMENT MILLING AND RESURFACING OPERATIONS.



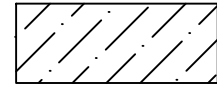
WORK ZONE C - LONG-TERM INTERSECTION CLOSURE

1. REFER TO PLAN WORKZONE CALLOUT FOR APPLICABLE CONDITION (C) OR DETOUR. CONDITIONS ARE ONLY APPLICABLE FOR LOCAL ROADS AND DO NOT REQUIRE DETOURS. DETOURS ARE ONLY APPLICABLE FOR NON-LOCAL ROADS (MAIN ST). ROAD CLOSURE SHALL BE PER MUTCD PART 6 FIGURE 6H-20, DETOUR FOR A CLOSED STREET.
2. INSTALL ROAD CLOSURE.
3. DIRECTLY ADJACENT TEMPORARY WORK ZONES MAY BE UTILIZED DURING ACTIVE WORK TIMES.
4. CONSTRUCT UTILITY IMPROVEMENTS.
5. RESTORE DISTURBED TRAVEL LANES.
6. REMOVE TRAFFIC CONTROL DEVICES TO ALLOW TRAFFIC TO UTILIZE RESTORED TRAVEL LANES.
7. UTILIZE FDOT STANDARD PLANS INDEX 102-607 DURING PAVEMENT MILLING AND RESURFACING OPERATIONS.



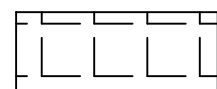
WORK ZONE D - TEMPORARY SINGLE LANE CLOSURE

1. CLOSE SINGLE LANE WITH FLAGGER OPERATION AS PER FDOT STANDARD PLANS INDEX 102-603.
2. DIRECTLY ADJACENT TEMPORARY WORK ZONES MAY BE UTILIZED DURING ACTIVE WORK TIMES.
3. CONSTRUCT UTILITY IMPROVEMENTS.
4. RESTORE DISTURBED TRAVEL LANES. IF NOT SUFFICIENT TO ALLOW TRAFFIC TO UTILIZE THE LANES AT THE END OF THE WORK PERIOD, STEEL PLATES MAY BE UTILIZED TO REOPEN TRAVEL LANES. COMPLETE RESTORATION.
5. REMOVE TRAFFIC CONTROL DEVICES TO ALLOW TRAFFIC TO UTILIZE RESTORED TRAVEL LANES.
6. UTILIZE FDOT STANDARD PLANS INDEX 102-607 DURING PAVEMENT MILLING AND RESURFACING OPERATIONS.



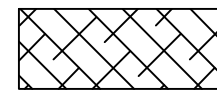
WORK ZONE E - TEMPORARY ROAD CLOSURE

1. REFER TO PLAN WORKZONE CALLOUT FOR APPLICABLE CONDITION (A OR B), DETOUR OR DETAIL. CONDITIONS ARE ONLY APPLICABLE FOR LOCAL ROADS AND DO NOT REQUIRE DETOURS. DETOURS ARE ONLY APPLICABLE FOR NON-LOCAL ROADS (MAIN ST). ROAD CLOSURE SHALL BE PER MUTCD PART 6 FIGURE 6H-20, DETOUR FOR A CLOSED STREET.
2. INSTALL ROAD CLOSURE.
3. CONSTRUCT UTILITY IMPROVEMENTS.
4. RESTORE DISTURBED TRAVEL LANES. IF NOT SUFFICIENT TO ALLOW TRAFFIC TO UTILIZE THE LANES AT THE END OF THE WORK PERIOD, STEEL PLATES MAY BE UTILIZED TO REOPEN TRAVEL LANES. COMPLETE RESTORATION.
5. REMOVE TRAFFIC CONTROL DEVICES TO ALLOW TRAFFIC TO UTILIZE RESTORED TRAVEL LANES.
6. UTILIZE FDOT STANDARD PLANS INDEX 102-607 DURING PAVEMENT MILLING AND RESURFACING OPERATIONS.



WORK ZONE F - TEMPORARY INTERSECTION CLOSURE

1. REFER TO PLAN WORKZONE CALLOUT FOR APPLICABLE CONDITION (C) OR DETOUR. CONDITIONS ARE ONLY APPLICABLE FOR LOCAL ROADS AND DO NOT REQUIRE DETOURS. DETOURS ARE ONLY APPLICABLE FOR NON-LOCAL ROADS (MAIN ST). ROAD CLOSURE SHALL BE PER MUTCD PART 6 FIGURE 6H-20, DETOUR FOR A CLOSED STREET.
2. INSTALL ROAD CLOSURE.
3. DIRECTLY ADJACENT TEMPORARY WORK ZONES MAY BE UTILIZED.
4. CONSTRUCT UTILITY IMPROVEMENTS.
5. RESTORE DISTURBED TRAVEL LANES. IF NOT SUFFICIENT TO ALLOW TRAFFIC TO UTILIZE THE LANES AT THE END OF THE WORK PERIOD, STEEL PLATES MAY BE UTILIZED TO REOPEN TRAVEL LANES. COMPLETE RESTORATION.
6. REMOVE TRAFFIC CONTROL DEVICES TO ALLOW TRAFFIC TO UTILIZE RESTORED TRAVEL LANES.
7. 7. UTILIZE FDOT STANDARD PLANS INDEX 102-607 DURING PAVEMENT MILLING AND RESURFACING OPERATIONS.



WORK ZONE G - TEMPORARY SHOULDER CLOSURE

1. MAINTAIN EXISTING TRAVEL LANES UNLESS OTHERWISE SHOWN. MAINTAIN POSTED SPEED LIMITS FOR TRAVEL LANES.
2. INSTALL SHOULDER CLOSURE PER FDOT STANDARD PLANS INDEX 102-602. CLOSE SINGLE TRAVEL LANE AS NEEDED PER FDOT INDEX 102-613.
3. DIRECTLY ADJACENT TEMPORARY WORK ZONES MAY BE UTILIZED DURING ACTIVE WORK TIMES.
4. CONSTRUCT UTILITY IMPROVEMENTS.
5. RESTORE DISTURBED AREA.
6. REMOVE TRAFFIC CONTROL DEVICES.
7. UTILIZE FDOT STANDARD PLANS INDEX 102-607 DURING PAVEMENT MILLING AND RESURFACING OPERATIONS.



1. DETAILS 1A, 1B, AND 1C REPRESENT SUGGESTED INSTALLATION PHASES. THE SEQUENCE MAY BE MODIFIED AT THE CONTRACTOR'S DISCRETION TO ACCOMMODATE CONSTRUCTION PHASING, PROVIDED ALL COMPONENTS ARE INSTALLED AS SHOWN.

2. WORK ZONE IN DETAIL 1C APPLIES TO REMAINING PIPE SECTION NOT INSTALLED BY PRIOR PHASES.

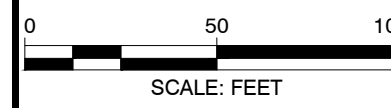
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WATER MAIN REPLACEMENT (UT0096)

TRAFFIC CONTROL PLAN 2

OB NO: 0279-00026-2022-0998

TCP1.02

ID DOCUMENTS
 06/25/2025

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**SEMINOLE PARK AND MAPLEWAY
WATER MAIN REPLACEMENT (UT0096)**

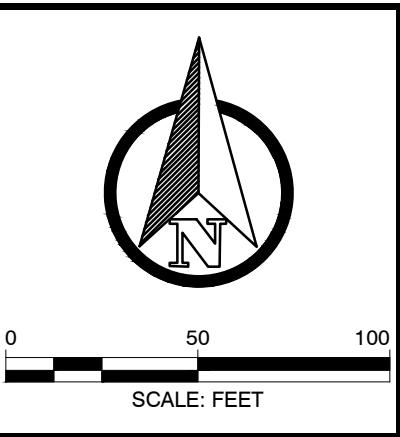
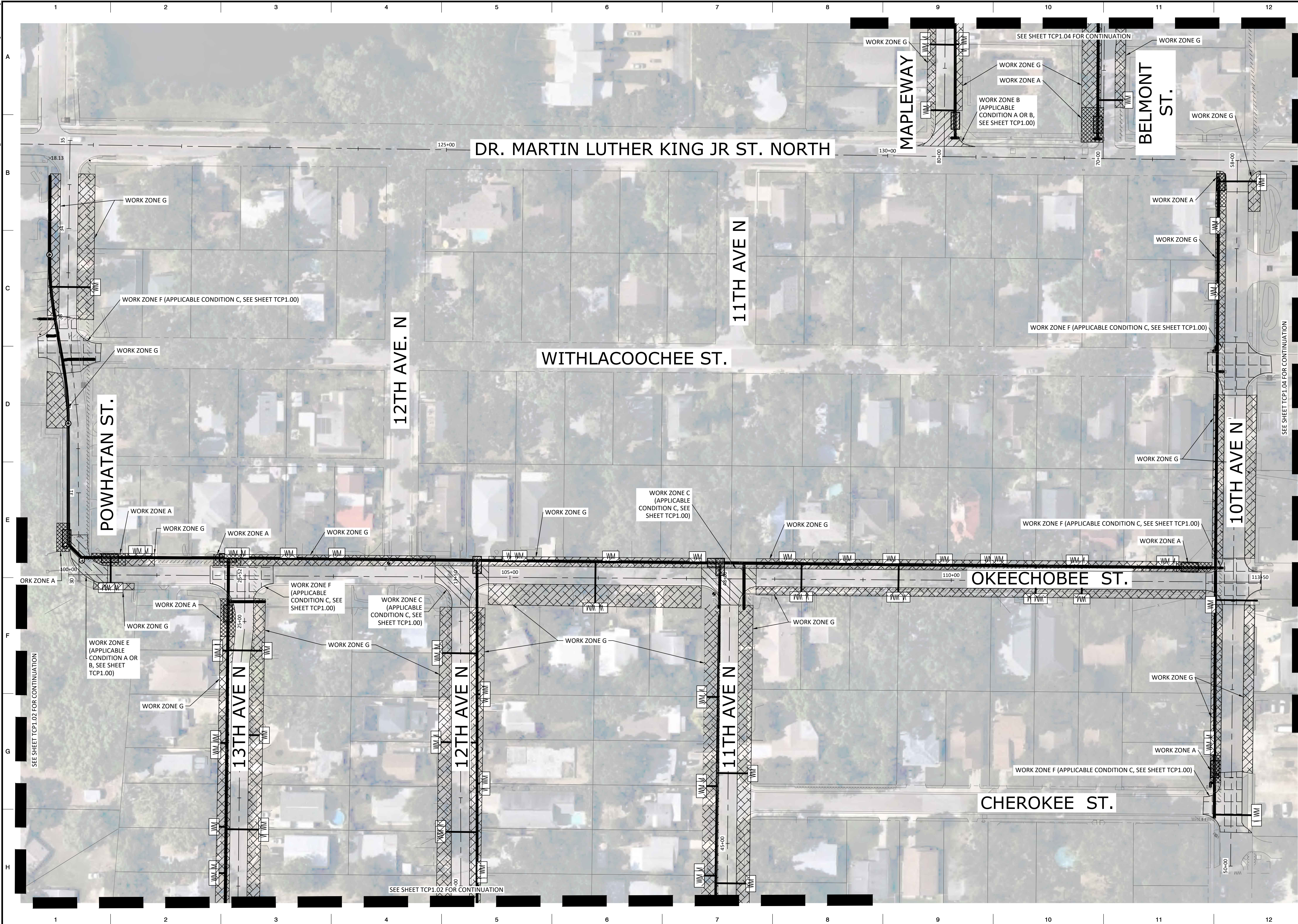
TRAFFIC CONTROL PLAN 3

JOB NO:	0279-00026-2022-0998
DATE:	JUNE 2022

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June 25, 2025 W:\ENV_ENG\0279\00026\2022\0998\Production\Drawings\TCP-1.00.dwg



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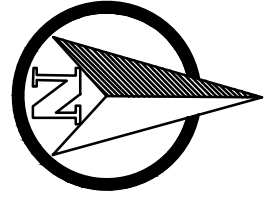
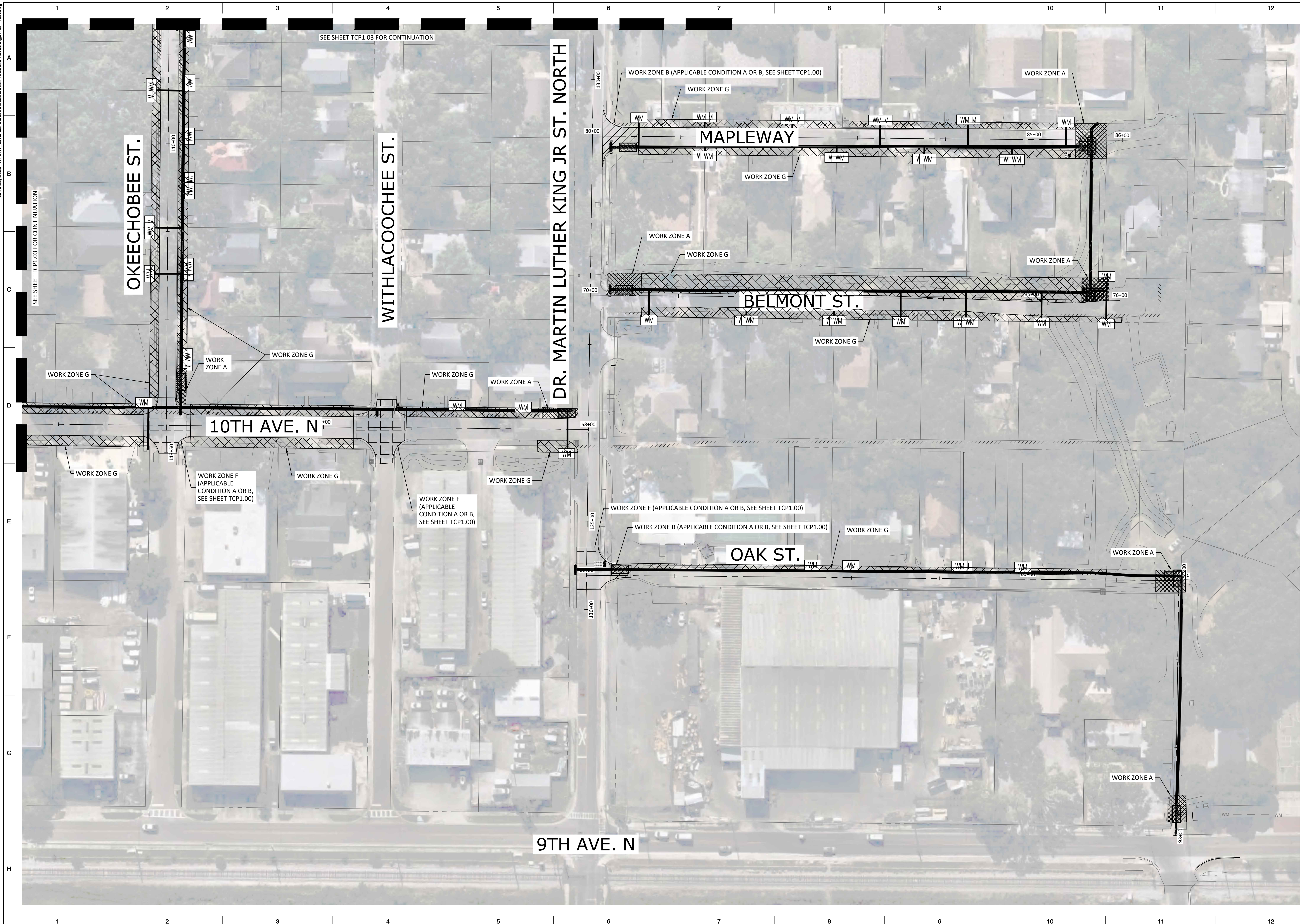
**SEMINOLE PARK AND MAPLEWAY
WATER MAIN REPLACEMENT (UT0096)**

TRAFFIC CONTROL PLAN 4

JOB NO: 0279-00026-2022-0998
DATE: JUNE 2022

TCP1.04

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A horizontal scale bar with alternating black and white segments. It is marked with '0' at the left end, '50' in the middle, and '100' at the right end. Below the bar, the text 'SCALE: FEET' is centered.



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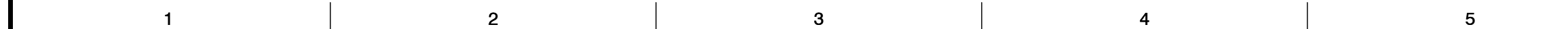
SEMINOLE PARK AND MAPLEWAY
WATER MAIN REPLACEMENT (UT0096)

TRAFFIC CONTROL PLAN 5

JOB NO:	0279-00026-2022-0998
DATE:	JUNE 2022

TCP1.05

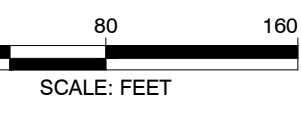
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TRAFFIC CONTROL PLAN DETAILS

CP1.06

BID DOCUMENTS
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