

SITE DEVELOPMENT PLANS FOR: TOMMY'S EXPRESS CAR WASH

13000 S. TAMAMI TRAIL
NORTH PORT, FL 34287

PARCEL ID NUMBERS: 0997050003

LEGAL DESCRIPTION:

COMMENCE AT A POINT ON THE SOUTH RIGHT OF WAY LINE OF US 41 & THE WEST RIGHT OF WAY LINE OF HOFFMAN STREET DESIGNATED AS POINT "O" ON THE PLAT OF PORT CHARLOTTE SUBDIVISION AS RECORDED IN PLAT BOOK 48 PAGE 23A, SARASOTA COUNTY RECORDS AND THENCE RUN SOUTH 00°34'38" WEST ALONG THE WEST RIGHT OF WAY LINE OF SOUTH HOFFMAN STREET 189.32 FEET; THENCE NORTH 89°50'25" WEST 340.50 FEET TO THE POINT OF BEGINNING; THENCE NORTH 84°48'12" WEST 425.50 FEET TO THE WEST LINE OF LOT 1, SOUTH BISCAYNE BAY COMMONS; THENCE NORTH 00°28'40" EAST ALONG SAID LINE 212.62 FEET TO THE SOUTH RIGHT OF WAY LINE OF S. TAMAMI TRAIL (STATE ROAD NO. 45 - HIGHWAY 1); THENCE SOUTH 85°21'08" EAST ALONG SAID LINE 424.55 FEET TO THE NORTHWEST CORNER OF THE PARCEL NUMBER 00997006004 RECORDED IN INSTRUMENT 2006217148, SARASOTA COUNTY RECORDS; THENCE SOUTH 00°17'08" WEST ALONG SAID LINE 217.00 FEET TO THE POINT OF BEGINNING. DESCRIBED PARCEL CONTAINS 2.09 ACRES OF LAND, MORE OR LESS.

GENERAL STATEMENT:

THE PROJECT CONSISTS OF THE DEVELOPMENT OF 91,057 SQ FT OR ±2.09 AC ON CURRENT COMMERCIAL VACANT LAND. THE PROPOSED DEVELOPMENT INCLUDES THE CONSTRUCTION OF A NEW ±5,315 SF AUTOMATED CAR WASH. THE EAST DRIVEWAY WILL REMAIN A RIGHT-IN/RIGHT-OUT AND WILL PROVIDE TWO NEW INTERNAL ACCESSES TO BE CONNECTED TO IT, ALLOWING ACCESS INTO THE PROPERTY. CONSTRUCTION WILL ALSO INCLUDE ASSOCIATED UTILITIES, PARKING, AND LANDSCAPING. CONSTRUCTION MATERIAL QUALITY AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE CITY OF NORTH PORT AND FDOT SPECIFICATIONS AND STANDARDS, AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

ZONING DATA:

PARCEL ID NO.'S:	0997050003															
CURRENT ZONING CLASSIFICATION:	(CG) - COMMERCIAL GENERAL															
CURRENT LOCAL JURISDICTION:	CITY OF NORTH PORT															
FUTURE LAND USE:	ACTIVITY CENTER (TDR RECEIVING ZONE - EXCEPT AC-3)															
FLOOD ZONE CLASSIFICATION:	ZONE X (REFERENCED TO NAVD 88) - FEMA PANEL NO.12115C0370F, DATED 11/04/2016															
SETBACKS:																
	<table border="1"> <thead> <tr> <th>DIRECTION</th> <th>REQUIRED BUILDING SETBACK</th> <th>PROVIDED BUILDING SETBACK</th> </tr> </thead> <tbody> <tr> <td>FRONT (NORTH)</td> <td>0'</td> <td>68.71'</td> </tr> <tr> <td>REAR (SOUTH)</td> <td>20'</td> <td>20'</td> </tr> <tr> <td>SIDE (EAST)</td> <td>0'</td> <td>113.82'</td> </tr> <tr> <td>SIDE (WEST)</td> <td>0'</td> <td>165.81'</td> </tr> </tbody> </table>	DIRECTION	REQUIRED BUILDING SETBACK	PROVIDED BUILDING SETBACK	FRONT (NORTH)	0'	68.71'	REAR (SOUTH)	20'	20'	SIDE (EAST)	0'	113.82'	SIDE (WEST)	0'	165.81'
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REAR (SOUTH)	20'	20'														
SIDE (EAST)	0'	113.82'														
SIDE (WEST)	0'	165.81'														
BUFFERS:	FRONT (NORTH) = 10' REAR (SOUTH) = 15' SIDE (EAST) = 0' SIDE (WEST) = 9'															
BUILDING HEIGHT:	25'-0"															

DIRECTION	ZONING	CURRENT LAND USE	FUTURE LAND USE
NORTH	PLANNED COMMUNITY DEVELOPMENT	RESTAURANT	ACTIVITY CENTER (TDR RECEIVING ZONE - EXCEPT AC-3)
SOUTH	PLANNED COMMUNITY DEVELOPMENT	VACANT	ACTIVITY CENTER (TDR RECEIVING ZONE - EXCEPT AC-3)
EAST	COMMERCIAL GENERAL	GAS STATION	ACTIVITY CENTER (TDR RECEIVING ZONE - EXCEPT AC-3)
WEST	PLANNED COMMUNITY DEVELOPMENT	VACANT	ACTIVITY CENTER (TDR RECEIVING ZONE - EXCEPT AC-3)

UTILITY PROVIDERS:

SEWER	CITY OF NORTH PORT - UTILITIES 6644 WEST PRICE BLVD NORTH PORT, FL 34291 PHONE: (941) 240-8008
STORM WATER	SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT 2379 BROAD STREET BROOKSVILLE, FL 34604 PHONE: (352) 796-7211
WATER	CITY OF NORTH PORT - UTILITIES 6644 WEST PRICE BLVD NORTH PORT, FL 34291 PHONE: (941) 240-8008
ELECTRIC	FLORIDA POWER AND LIGHT - SARASOTA 5657 MINTOSH ROAD SARASOTA, FL 34233 CONTACT: JOEL BRAY PHONE: (386) 586-6403
GAS	TECO PEOPLES GAS 8621 VICO COURT SARASOTA, FL 34240 CONTACT: JOAN DOMNING PHONE: (813) 275-3783

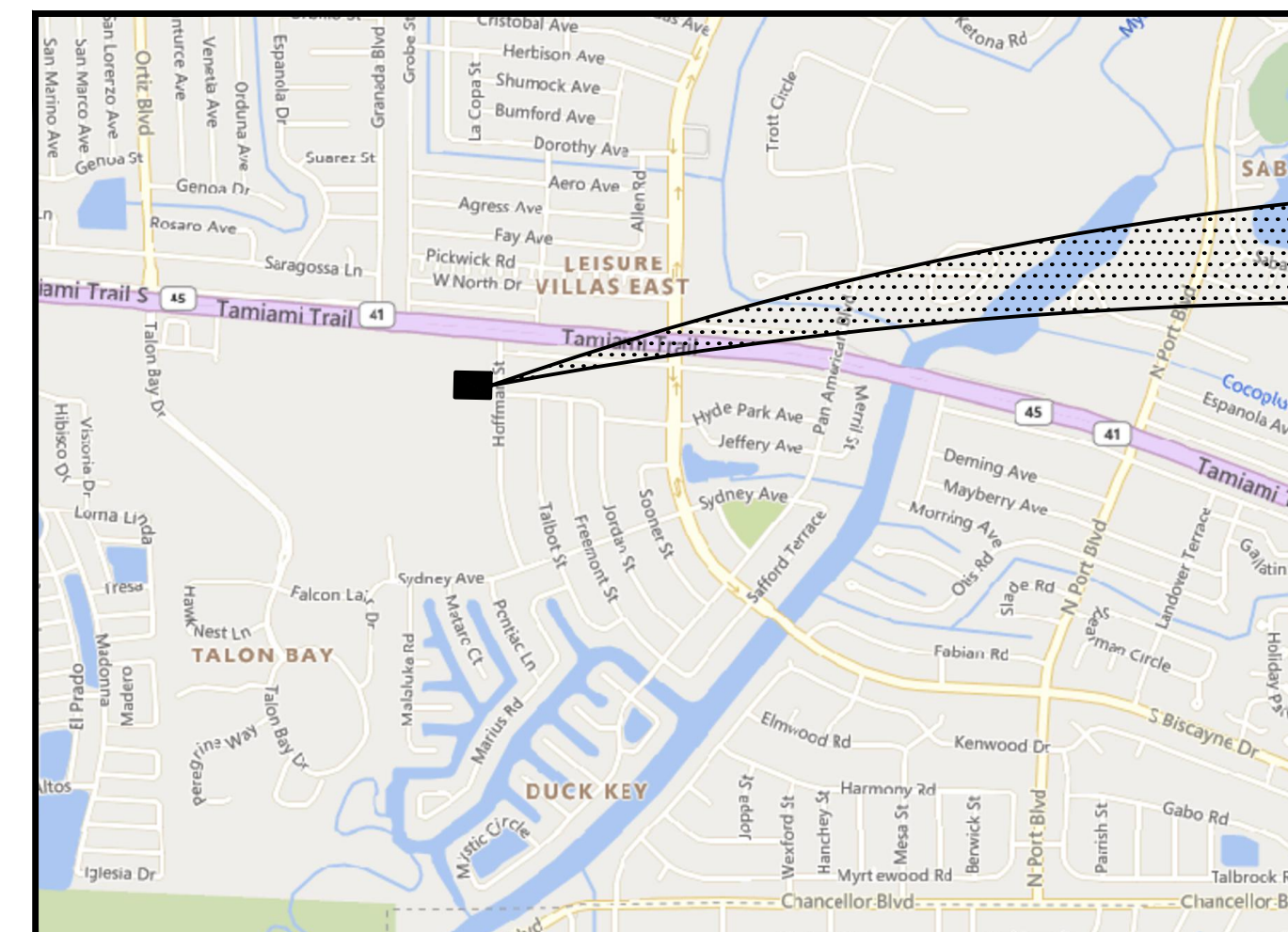
BENCHMARK:

ELEVATIONS SHOWN HEREON ARE BASED ON THE FLORIDA F.D.O.T. GPS NETWORK WITH A PUBLISHED ELEVATION DATUM OF THE NORTH AMERICAN VERTICAL DATUM DATED 1988. BENCHMARK REFERENCE: HAVOLINE 2 RM 8 ELEVATION: 6.86' PID: A67344

FLOOD NOTE:

SUBJECT PROPERTY SHOWN HEREON APPEARS TO BE LOCATED IN ZONE X, AN AREA OUTSIDE THE 100 YEAR FLOOD PLAIN, PER F.I.R.M. MAP NUMBER 12115C0370F, DATED 11/04/2016.

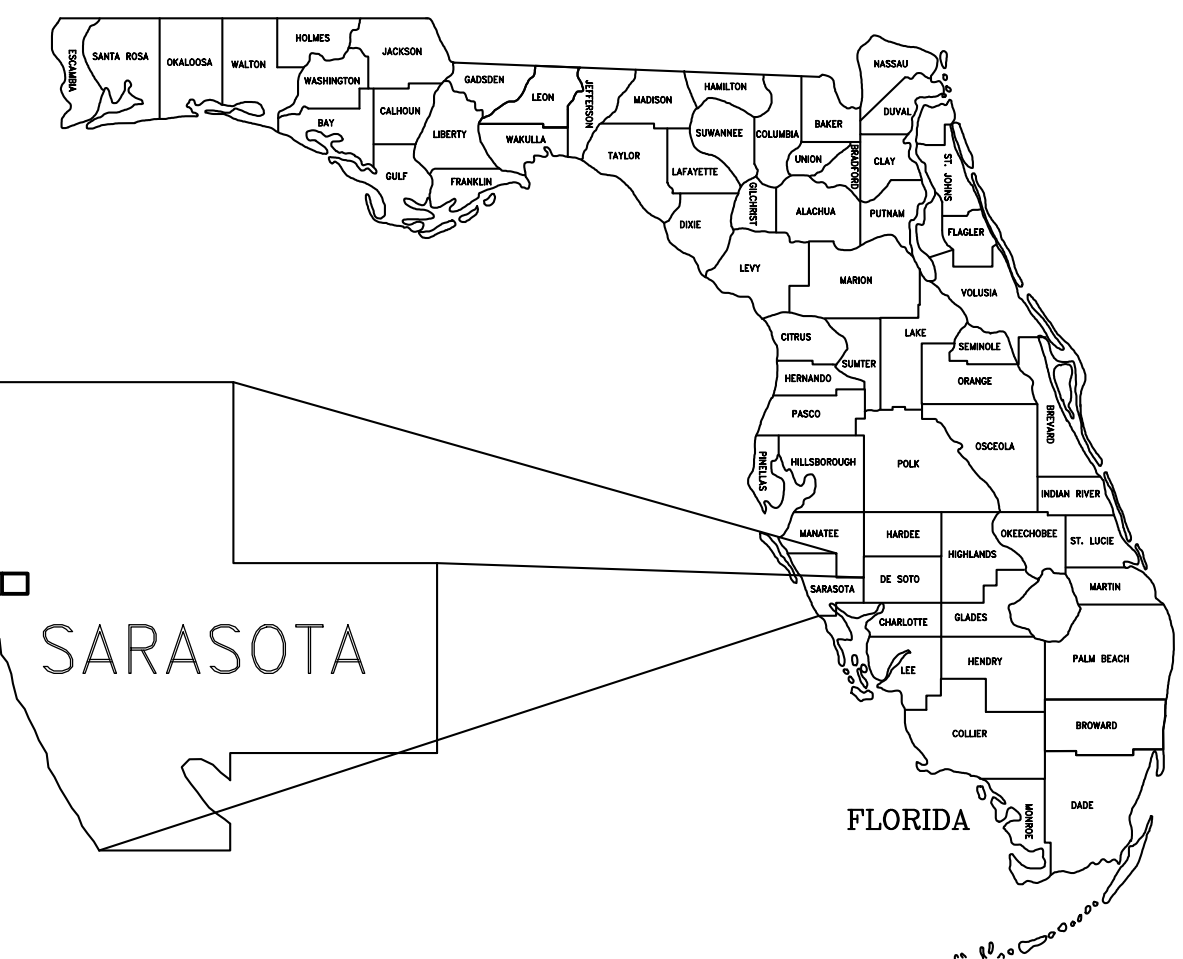
SECTION 31, TOWNSHIP 39 SOUTH, RANGE 21 EAST



SITE LOCATION MAP

N.T.S.

PROJECT LOCATION



PROJECT CONTACTS

CIVIL ENGINEER:
BOWMAN CONSULTING
ENGINEER OF RECORD:
KYLE A. SHASTEEN
4450 W. EAU GALLIE BLVD.
SUITE 144
MELBOURNE, FL - 32934
PHONE: (321) 506-0255

LAND SURVEYOR:
FIRST CHOICE SURVEY INC.
JON M. SHOEMAKER
P.O. BOX 470978,
LAKE MONROE, FL - 32747
PHONE: (407) 951-3425

LANDSCAPE ARCHITECT:
EVERGREEN DESIGN GROUP
KENN BATES, FASLA, PLA
15455 DALLAS PKWY
SUITE 600
ADDISON, TX 75001
PHONE: (800) 680-6630

OWNER / DEVELOPER

OWNER:
FELLOWSHIP CHURCH, INC.
2450 HIGHWAY 121
NORTHGRAPEVINE, TX 76051

DEVELOPER:
NICK MCMULLEN
TOMMY'S EXPRESS HOLDINGS
5660 MARQUESAS CIRCLE
SARASOTA, FL 34239
(941) 223-1294

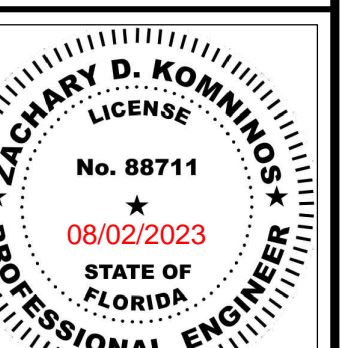
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ES2.0	EROSION CONTROL DETAILS
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C1.1	AUTO TURN PLAN
C2.0	PAVING AND DRAINAGE
C3.0	GRADING PLAN
C4.0	UTILITY PLAN
D1.0	DETAILS
D2.0	DETAILS
D3.0	DETAILS
D4.0	DETAILS
D5.0	DETAILS
D6.0	DETAILS
D7.0	DETAILS

Bowman

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COVER SHEET
TOMMY'S EXPRESS CAR WASH
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NORTH PORT, FLORIDA, 34287
SARASOTA COUNTY
CITY OF NORTH PORT

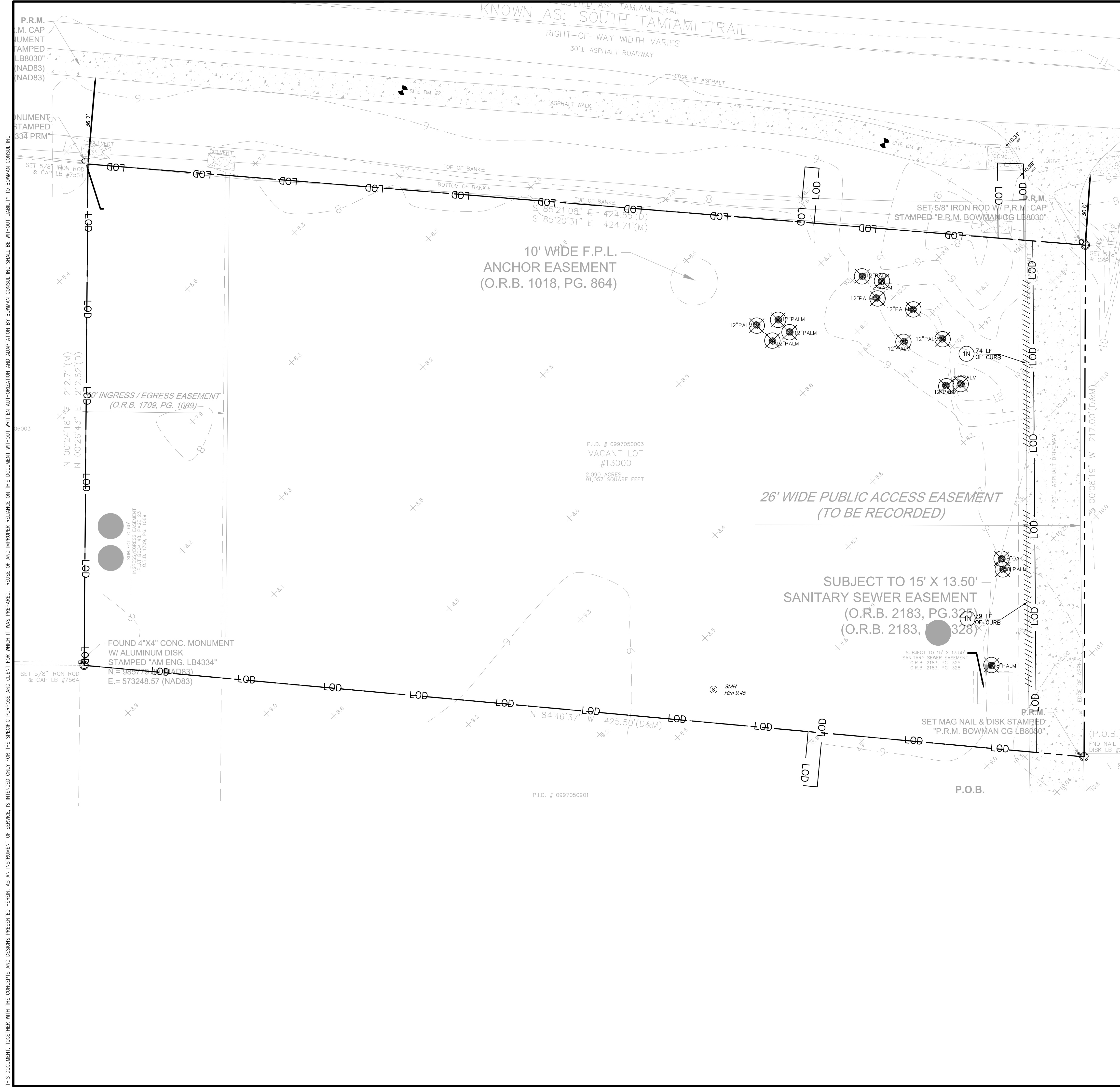


ZACHARY D. KOMINIOS
LICENSE NO. 88711
08/02/2023
PLAN STATUS

DATE	DESCRIPTION
ALW DESIGN	ELC DRAWN
KS	CHKD
SCALE	NONE
JOB No.	011239-01-001
DATE	08/02/2023
011239-01-0-CP-001-01-01-CP-COV.DWG	
SHEET	C 0



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- ### DEMOLITION NOTES
- THE CONTRACTOR IS RESPONSIBLE FOR THE DEMOLITION, REMOVAL, AND DISPOSAL (IN A LOCATION APPROVED BY ALL GOVERNING AUTHORITIES) OF ALL MATERIALS, SUCH THAT THE IMPROVEMENTS SHOWN ON THE REMAINING PLANS CAN BE CONSTRUCTED. ALL FACILITIES TO BE REMOVED SHALL BE UNDERCUT TO SUITABLE MATERIAL AND BROUGHT TO GRADE WITH SUITABLE COMPACTED FILL MATERIAL PER THE SPECIFICATIONS.
 - THE CONTRACTOR IS RESPONSIBLE FOR REMOVING ALL DEBRIS FROM THE SITE AND DISPOSING THE DEBRIS IN A LAWFUL MANNER. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL PERMITS REQUIRED FOR DEMOLITION AND DISPOSAL.
 - THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING SERVICES TO ANY NECESSARY UTILITIES DURING CONSTRUCTION.
 - THE CONTRACTOR SHALL COORDINATE WITH RESPECTIVE UTILITY COMPANIES PRIOR TO THE REMOVAL AND/OR RELOCATION OF UTILITIES. THE CONTRACTOR SHALL COORDINATE WITH THE UTILITY COMPANY CONCERNING PORTIONS OF WORK WHICH MAY BE PERFORMED BY THE UTILITY COMPANY'S FORCES AND ANY FEES WHICH ARE TO BE PAID TO THE UTILITY COMPANY FOR THEIR SERVICES. THE CONTRACTOR IS RESPONSIBLE FOR PAYING ALL FEES AND CHARGES.
 - THE LOCATIONS OF ALL EXISTING UTILITIES SHOWN ON THIS PLAN HAVE BEEN DETERMINED FROM INFORMATION AVAILABLE AND ARE GIVEN FOR THE CONVENIENCE OF THE CONTRACTOR. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR THEIR ACCURACY. PRIOR TO THE START OF ANY DEMOLITION ACTIVITY, THE CONTRACTOR SHALL NOTIFY THE UTILITY COMPANIES FOR ON-SITE LOCATIONS OF EXISTING UTILITIES.
 - ALL EXISTING SEWERS, PIPING AND UTILITIES SHOWN ARE NOT TO BE INTERPRETED AS THE EXACT LOCATION, OR AS THE ONLY OBSTACLES THAT MAY OCCUR ON THE SITE. VERIFY EXISTING CONDITIONS AND PROCEED WITH CAUTION AROUND ANY ANTICIPATED FEATURES. GIVE NOTICE TO ALL UTILITY COMPANIES REGARDING DESTRUCTION AND REMOVAL OF ALL SERVICE LINES AND CAP ALL LINES BEFORE PROCEEDING WITH THE WORK.
 - ELECTRICAL, TELEPHONE, CABLE, WATER, FIBER OPTIC CABLE AND/OR GAS LINES NEEDING TO BE REMOVED OR RELOCATED SHALL BE COORDINATED WITH THE AFFECTED UTILITY COMPANY. ADEQUATE TIME SHALL BE PROVIDED FOR RELOCATION AND CLOSE COORDINATION WITH THE UTILITY COMPANY IS NECESSARY TO PROVIDE A SMOOTH TRANSITION IN UTILITY SERVICE. CONTRACTOR SHALL PAY CLOSE ATTENTION TO EXISTING UTILITIES WITHIN THE ANY ROAD RIGHT OF WAY DURING CONSTRUCTION.
 - CONTRACTOR MUST PROTECT THE PUBLIC AT ALL TIMES WITH FENCING, BARRICADES, ENCLOSURES, ETC., (AND OTHER APPROPRIATE BEST MANAGEMENT PRACTICES) AS APPROVED BY CONSTRUCTION MANAGER.
 - CONTINUOUS ACCESS SHALL BE MAINTAINED FOR THE SURROUNDING PROPERTIES AT ALL TIMES DURING DEMOLITION OF THE EXISTING FACILITIES.
 - PRIOR TO DEMOLITION OCCURRING, ALL EROSION CONTROL DEVICES ARE TO BE INSTALLED.
 - CONTRACTOR MAY LIMIT SAW-CUT & PAVEMENT REMOVAL TO ONLY THOSE AREAS WHERE IT IS REQUIRED AS SHOWN ON THESE CONSTRUCTION PLANS BUT IF ANY DAMAGE IS INCURRED ON ANY OF THE SURROUNDING PAVEMENT, ETC. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ITS REMOVAL AND REPAIR.
 - THE CONTRACTOR SHALL COORDINATE WATER MAIN WORK WITH THE FIRE DEPT. AND THE CITY/COUNTY UTILITY DEPARTMENT TO PLAN PROPOSED IMPROVEMENTS AND TO ENSURE ADEQUATE FIRE PROTECTION IS CONSTANTLY AVAILABLE TO THE STORE AND SITE THROUGHOUT THIS SPECIFIC WORK AND THROUGH ALL PHASES OF CONSTRUCTION. CONTRACTOR WILL BE RESPONSIBLE FOR ARRANGING/PROVIDING ANY REQUIRED WATER MAIN SHUT OFFS WITH THE CITY/COUNTY DURING CONSTRUCTION. ANY COSTS ASSOCIATED WITH WATER MAIN SHUT OFFS WILL BE THE RESPONSIBILITY OF THE CONTRACTOR AND NO EXTRA COMPENSATION WILL BE PROVIDED.
 - DAMAGE TO ALL EXISTING FACILITIES AND IMPROVEMENTS TO REMAIN WILL BE REPLACED AT CONTRACTOR'S EXPENSE.
 - FOR ALL ITEMS NOTED TO BE REMOVED, REMOVE NOT ONLY THE ABOVE GROUND ELEMENTS, BUT ALSO REMOVE ALL UNDERGROUND ELEMENTS AS WELL INCLUDING, BUT NOT LIMITED TO, FOUNDATIONS, GRAVEL FILLS, TREE ROOTS, PIPES, TANKS, ETC.
 - BACKFILL ALL EXCAVATIONS RESULTING FROM THE DEMOLITION WORK MEETING THE REQUIREMENTS FOR FILL OUTLINED IN THE GEOTECHNICAL INVESTIGATION REPORT FOR THIS SITE.
 - ASBESTOS AND ANY OTHER HAZARDOUS MATERIAL SHALL BE PROPERLY PERMITTED AND REMOVED BY THE CONTRACTOR. CONTRACTOR SHALL SECURE ALL PERMITS FOR DEMOLITION AND REMOVAL OF MATERIALS FROM THE SITE.
 - EXISTING PERIMETER TREES & LANDSCAPING TO REMAIN WHEREVER POSSIBLE.
 - MONITORING WELLS SCHEDULED TO BE ABANDONED SHALL BE ABANDONED BY A FLORIDA LICENSED WATER WELL CONTRACTOR IN ACCORDANCE WITH RULE 62D-2.53(2), F.A.C. (SECTION E, PART 5, ERP APPLICATION AND SECTION 4.2, A.H.VII)
 - FOR ROAD CUTS, REFER TO CITY DETAIL (SD-25) ON SHEET D1.0
 - CONTRACTOR IS RESPONSIBLE FOR PROVIDING MAINTENANCE OF TRAFFIC (MOT), MOT SHALL COMPLY WITH FOOT STANDARDS.

- ### LEGEND - PROPOSED
- PROPERTY LINE
 - LOD - LIMITS OF DISTURBANCE
 - ⊗ - TREE REMOVAL - REFER TO LANDSCAPE PLANS
 - - TREE PROTECTION - REFER TO LANDSCAPE PLANS
 - ▨ - REMOVAL

- ### NOTES
- EXISTING TO BE REMOVED
 - PROTECT EXISTING UTILITIES TO REMAIN
 - SAWCUT LINE
 - EXISTING TO REMAIN
 - EXISTING TO BE RELOCATED

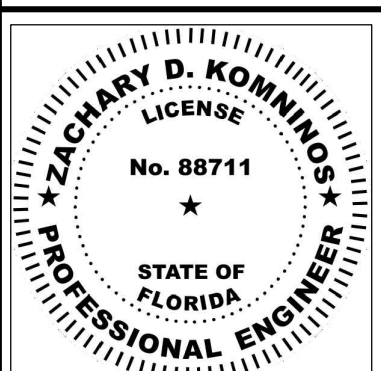
ALERT TO CONTRACTOR:
 PRIOR TO THE CONSTRUCTION OF OR CONNECTION TO ANY STORM DRAIN, SANITARY SEWER, WATER MAIN OR ANY OF THE DRY UTILITIES, THE CONTRACTOR SHALL EXCAVATE, VERIFY AND CALCULATE ALL POINTS OF CONNECTION AND ALL UTILITY CROSSINGS AND INFORM BCC AND THE OWNER/DEVELOPER OF ANY CONFLICT OR REQUIRED DEVIATIONS FROM THE PLAN. NOTIFICATION SHALL BE MADE A MINIMUM OF 48 HOURS PRIOR TO CONSTRUCTION. BCC AND ITS CLIENTS SHALL BE HELD HARMLESS IN THE EVENT THAT THE CONTRACTOR FAILS TO MAKE SUCH NOTIFICATION.

DISTURBED AREA
 87,073 SF
 (2.00 ± AC)



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DEMOLITION PLAN
TOMMY'S EXPRESS CAR WASH
 13000 S. TAMiami TRAIL
 NORTH PORT, FLORIDA, 34287
 CITY OF NORTH PORT
 SARASOTA COUNTY

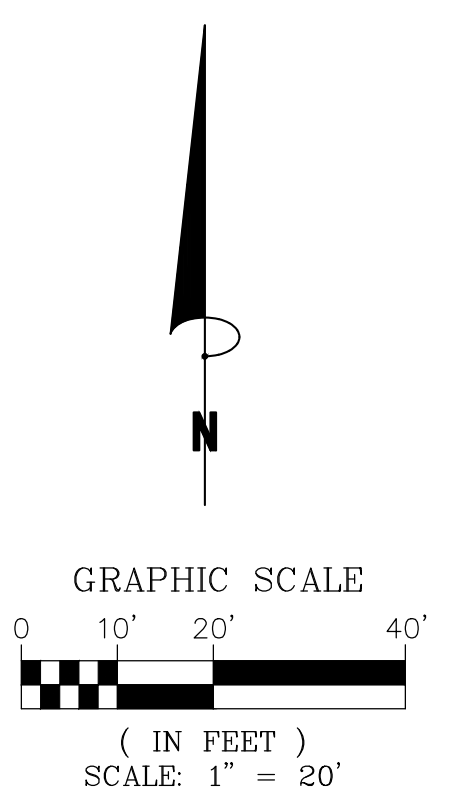


ZACHARY D. KOMINIOS
 LICENSE NO. 88711
 08/02/2023
 PLAN STATUS

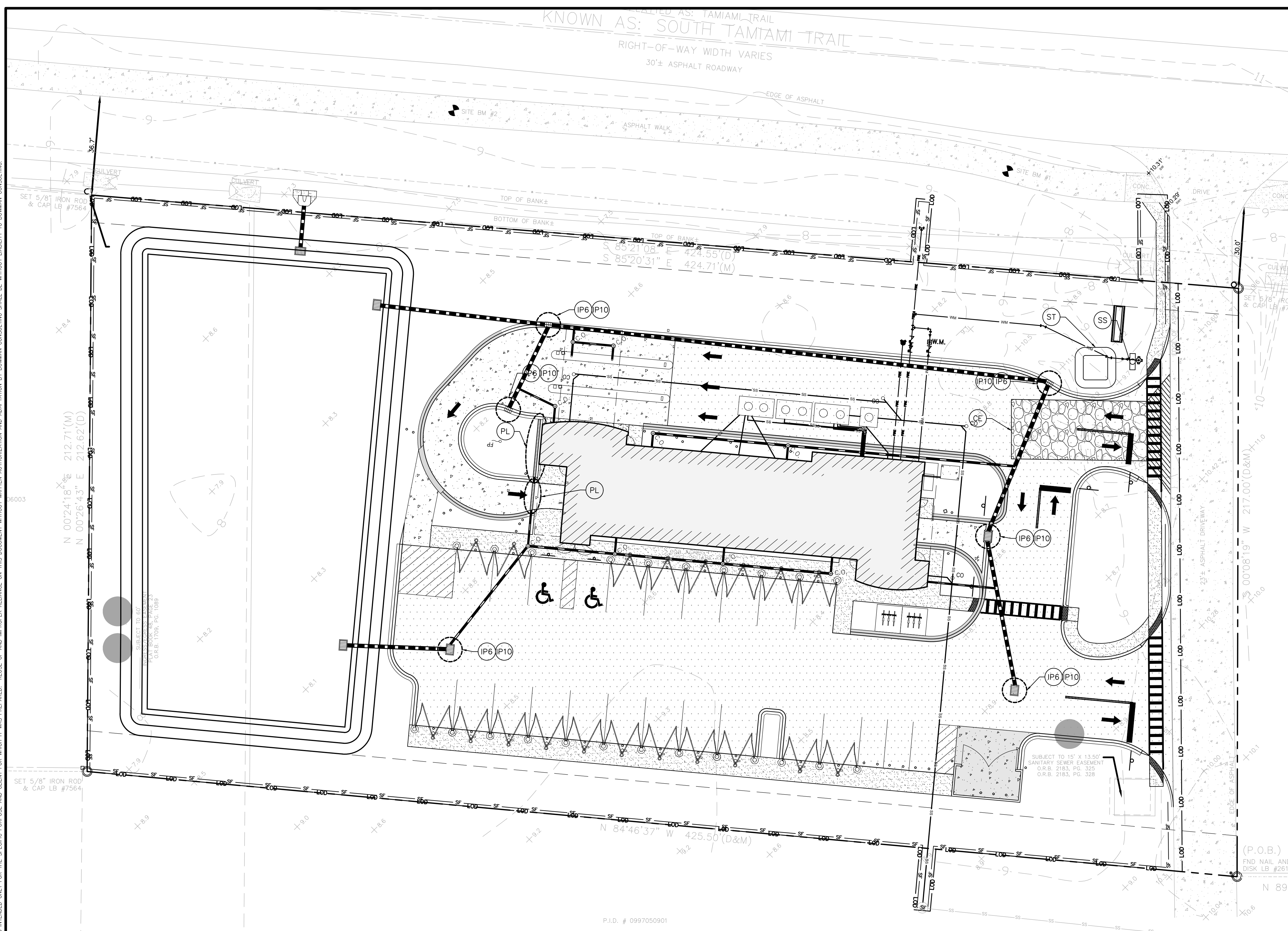
DATE	DESCRIPTION
ALW	ELC
DESIGN	DRAWN
	KS
	CHKD

SCALE 1" = 20'
 JOB No. 011239-01-001
 DATE 08/02/2023

011239-01-D-CP-001-03-DM1.0-DEMO.DWG
DM1.0
 SHEET



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LEGEND

- BOUNDARY LINE
- PROPOSED STORM PIPE
- TEMPORARY CONSTRUCTION ENTRANCE/EXIT
- HEAVY DUTY CONCRETE PAVEMENT
- STANDARD DUTY ASPHALT PAVEMENT
- STANDARD DUTY CONCRETE PAVEMENT
- CONCRETE SIDEWALK
- TEMPORARY SILT FENCE
- LIMITS OF DISTURBANCE
- CONTOUR LINE (PROPOSED)

GENERAL EROSION CONTROL NOTES

- CONTRACTOR SHALL IMPLEMENT BEST MANAGEMENT PRACTICES AS REQUIRED BY THE SWPPP AND THAT CONFORM TO FEDERAL, STATE, OR LOCAL REQUIREMENTS. ADDITIONAL BEST MANAGEMENT PRACTICES SHALL BE IMPLEMENTED AS DIRECTED BY PERMITTING AGENCY AND OWNER OR AS DICTATED BY CONDITIONS AT NO ADDITIONAL COST TO OWNER THROUGHOUT ALL PHASES OF CONSTRUCTION.
- PERMIT FOR ANY CONSTRUCTION ACTIVITY MUST BE MAINTAINED ON SITE AT ALL TIMES.
- CONTRACTOR SHALL MINIMIZE CLEARING TO THE MAXIMUM EXTENT PRACTICAL OR AS REQUIRED BY THE GENERAL PERMIT.
- GENERAL CONTRACTOR SHALL DENOTE ON PLAN THE TEMPORARY PARKING AND STORAGE AREA WHICH SHALL ALSO BE USED AS THE EQUIPMENT MAINTENANCE AND CLEANING AREA, EMPLOYEE PARKING AREA, AND AREA FOR LOCATING PORTABLE FACILITIES, OFFICE TRAILERS, AND TOILET FACILITIES.
- ALL WASH WATER SHALL BE DETAINED AND PROPERLY TREATED OR DISPOSED.
- SUFFICIENT OIL AND GREASE ABSORBING MATERIALS AND FLOTATION BOOMS SHALL BE MAINTAINED ON SITE OR READILY AVAILABLE TO CONTAIN AND CLEAN-UP FUEL OR CHEMICAL SPILLS AND LEAKS.
- DUST ON THE SITE SHALL BE CONTROLLED. THE USE OF MOTOR OILS AND OTHER PETROLEUM BASED OR TOXIC LIQUIDS FOR DUST SUPPRESSION OPERATIONS IS PROHIBITED.
- RUBBISH, TRASH, GARBAGE, LITTER, OR OTHER SUCH MATERIALS SHALL BE DEPOSITED INTO SEALED CONTAINERS. MATERIALS SHALL BE PREVENTED FROM LEAVING THE PREMISES THROUGH THE ACTION OF WIND OR STORM WATER DISCHARGE INTO DRAINAGE DITCHES OR WATERS OF THE STATE.
- ALL STORM WATER POLLUTION PREVENTION MEASURES PRESENTED ON THIS PLAN, AND IN THE STORM WATER POLLUTION PREVENTION PLAN, SHALL BE INITIATED AS SOON AS PRACTICABLE.
- DISTURBED PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITY HAS STOPPED FOR AT LEAST 7 DAYS, SHALL BE TEMPORARILY SEEDED. THESE AREAS SHALL BE SEEDED NO LATER THAN 14 DAYS FROM THE LAST CONSTRUCTION ACTIVITY OCCURRING IN THESE AREAS.
- DISTURBED PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITY HAS PERMANENTLY STOPPED SHALL BE SOEDED/LANDSCAPED PER PLANS. THESE AREAS SHALL BE SEEDED NO LATER THAN 7 DAYS AFTER THE LAST CONSTRUCTION ACTIVITY OCCURRING IN THESE AREAS. REFER TO THE GRADING PLAN AND/OR LANDSCAPE PLAN.
- IF THE ACTION OF VEHICLES TRAVELING OVER THE GRAVEL CONSTRUCTION ENTRANCES IS NOT SUFFICIENT TO REMOVE THE MAJORITY OF DIRT OR MUD, THEN THE TIRES MUST BE WASHED BEFORE THE VEHICLES ENTER A PUBLIC ROAD. IF WASHING IS USED, PROVISIONS MUST BE MADE TO INTERCEPT THE WASH WATER AND TRAP THE SEDIMENT BEFORE IT IS CARRIED OFF THE SITE.
- ALL MATERIALS SPILLED, DISCIPPED, WASHED, OR TRACKED FROM VEHICLES ONTO ROADWAYS OR INTO STORM DRAINS MUST BE REMOVED IMMEDIATELY.
- CONTRACTORS OR SUBCONTRACTORS WILL BE RESPONSIBLE FOR REMOVING ANY SEDIMENT THAT MAY HAVE COLLECTED IN THE STORM SEWER DRAINAGE SYSTEMS IN CONJUNCTION WITH THE STABILIZATION OF THE SITE.
- ON-SITE AND OFF-SITE SOIL STOCKPILE AND BORROW AREAS SHALL BE PROTECTED FROM EROSION AND SEDIMENTATION THROUGH IMPLEMENTATION OF BEST MANAGEMENT PRACTICES. STOCKPILE AND BORROW AREA LOCATIONS SHALL BE NOTED ON THE SITE MAP AND PERMITTED IN ACCORDANCE WITH GENERAL PERMIT REQUIREMENTS.
- SLOPES SHALL BE LEFT IN A FOUR-SHED CONDITION DURING THE GRADING PHASE TO REDUCE RUNOFF VELOCITIES AND EROSION.
- DUE TO THE GRADE CHANGES DURING THE DEVELOPMENT OF THE PROJECT, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADJUSTING THE EROSION AND SEDIMENT CONTROL MEASURES TO PREVENT EROSION AND SEDIMENTATION.
- CONTRACTOR SHALL DESIGNATE/IDENTIFY AREAS INSIDE THE LIMITS OF DISTURBANCE, FOR WASTE DISPOSAL AND DELIVERY AND MATERIAL STORAGE.
- CONTRACTOR TO LIMIT DISTURBANCE OF SITE IN STRICT ACCORDANCE WITH THE EROSION CONTROL SEQUENCING SHOWN ON THIS PLAN. NO UNNECESSARY OR IMPROPERLY SEQUENCED CLEARING AND/OR GRADING SHALL BE PERMITTED.
- AN INSPECTOR, CERTIFIED BY THE STATE OF FLORIDA OR EXPERIENCED IN THE INSTALLATION AND MAINTENANCE OF EROSION CONTROLS, IS REQUIRED TO INSPECT THE EROSION AND SEDIMENTATION CONTROL MEASURES AS SHOWN ON THE APPROVED STORMWATER POLLUTION PREVENTION PLAN. INSPECTION REPORTS ARE TO BE COMPLETED ON THE CITY OF NORTH PORT FORM EVERY WEEK AND AFTER EVERY RAINFALL EVENT OF 0.50" OR MORE DURING THE CONSTRUCTION PHASE. THESE REPORTS SHALL BE MADE AVAILABLE TO THE CITY AT ANY TIME AND COPIES OF ALL OF THE INSPECTIONS SHALL BE SUBMITTED TO THE CITY PRIOR TO THE ISSUANCE OF A CERTIFICATE OF COMPLETION OR OCCUPANCY.
- FOR ANY WORK WITHIN FOOT REF, REFER TO THE STATE OF FLORIDA EROSION CONTROL & SEDIMENT CONTROL DESIGNER & REVIEWER MANUAL (LATEST EDITION).
- LIMIT TURBIDITY IN DISCHARGE TO BE NO MORE THAN 29 NTUS ABOVE BACKGROUND LEVEL.
- CONTRACTOR MUST FILE FOR FDEP NOTICE OF TERMINATION (NOT) WITHIN 14 DAYS OF CONSTRUCTION.
- CONTRACTOR TO MINIMIZE THE AREA OF DISTURBED VEGETATION AND MAINTAIN A STRIP OF NATURAL UNDISTURBED VEGETATION OUTSIDE OF THE SILT FENCE TO TRAP ANY SILT NOT RETAINED BY THE SILT FENCE AND AVOID EROSION ISSUES. THIS STRIP OF VEGETATION SHOULD BE AS WIDE AS POSSIBLE AND ANY NEEDED GRADING OF THIS STRIP CAN BE DONE AT THE LATEST TIME POSSIBLE WHEN THE MAJORITY OF THE SITE IS STABILIZED.
- BEFORE ANY DEWATERING ACTIVITIES CAN BEGIN THAT RESULT IN OFF-SITE DISCHARGE, A DEWATERING PLAN MUST BE SUBMITTED TO BOTH THE CITY STORMWATER MANAGER AND TO SWFWMD FOR REVIEW AND WRITTEN APPROVAL. THE PLAN SHOULD INCLUDE THE LOCATION OF THE DEWATERING SITES, THE DEWATERING PUMP, SEDIMENT SUMP AND SIZING CALCULATION, METHODS TO RETAIN OR DETAIN DISCHARGE, METHODS OF ISOLATING THE DEWATERING AREAS, FLOW PATH AND POINTS OF DISCHARGE OF THE WATER. INCLUDE A NOTE THAT REQUIRES TURBIDITY REDUCTION TO NO MORE THAN 29 NTUS ABOVE BACKGROUND LEVEL. INDICATE BACKGROUND LEVEL MONITORING LOCATION PRIOR TO DISCHARGE OFF SITE. PLEASE NOTE THAT FLOW OVER ON-SITE UNDISTURBED VEGETATION IS AN EFFECTIVE BEST MANAGEMENT PRACTICE (BMP) TO REDUCE TURBIDITY. USE OF WELL-POINT METHOD OF DEWATERING IS ENCOURAGED.

BMP MAINTENANCE NOTES

- ALL MEASURES STATED ON THESE PLANS SHALL BE MAINTAINED IN FULLY FUNCTIONAL CONDITION UNTIL NO LONGER REQUIRED FOR COMPLETED PHASE OF WORK OR FINAL STABILIZATION OF THE SITE. SEDIMENTATION CONTROL MEASURES SHALL BE CHECKED BY A QUALIFIED PERSON IN ACCORDANCE WITH THE CONSTRUCTION GENERAL PERMIT, AND REPAIRED IN ACCORDANCE WITH THE FOLLOWING:
- INLET PROTECTION DEVICES AND BARRIERS SHALL BE REPAIRED OR REPLACED IF THEY SHOW SIGNS OF DETERIORATION.
 - ALL SEEDED/SOODED AREAS SHALL BE CHECKED REGULARLY TO SEE THAT A GOOD STAND IS MAINTAINED. AREAS SHALL BE FERTILIZED, WATERED AND REPAIRED AS NEEDED.
 - SILT FENCES SHALL BE REPAIRED TO THEIR ORIGINAL CONDITIONS IF DAMAGED. SEDIMENT SHALL BE REMOVED FROM THE SILT FENCE WHEN IT REACHES ONE-HALF THE HEIGHT OF THE FENCE.
 - THE CONSTRUCTION EXIT SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOW OF SEDIMENT FROM THE SITE. THIS MAY REQUIRE PERIODIC TOP DRESSING OF THE EXIT AS CONDITIONS DEMAND.
 - THE TEMPORARY PARKING AND STORAGE AREA SHALL BE KEPT IN A GOOD CONDITION. THIS MAY REQUIRE PERIODIC TOP DRESSING OF THE AREA AS CONDITIONS DEMAND.
 - PRIOR TO LEAVING THE SITE, ALL VEHICLES SHALL BE CLEANED OF DEBRIS. ANY DEBRIS AND/OR SEDIMENT LEAVING THE SITE SHALL BE CLEANED IMMEDIATELY.
 - ALL INLETS AND STORM DRAINS SHALL BE KEPT CLEAN OF DEBRIS AND SEDIMENT. ANY DEBRIS AND/OR SEDIMENT THAT ENTERS ANY INLET OR STORM DRAIN SHALL BE CLEANED IMMEDIATELY. FLUSHING SHALL NOT BE USED TO CLEAN DEBRIS AND/OR SEDIMENT FROM STORM DRAINS.

CONSTRUCTION SEQUENCE

- CONDUCT PRE-CONSTRUCTION MEETING WITH THE CITY TO DISCUSS EROSION AND SEDIMENT CONTROLS AND CONSTRUCTION PHASING.
- INSTALL STABILIZED CONSTRUCTION EXIT AND POST SWPPP AND SITE COMPLIANCE SIGNAGE PUBLICLY VISIBLE.
- INSTALL CONSTRUCTION FENCES AND TEMPORARY TRAFFIC AND PEDESTRIAN CONTROL DEVICES.
- PREPARE TEMPORARY PARKING AND STORAGE AREAS.
- INSTALL INLET PROTECTION, SILT DIKES, AND SILT FENCE ON THE SITE AS SHOWN WITHIN THE CONSTRUCTION LIMITS.
- DEMO EXISTING STRUCTURES, PAVEMENT, AND SPECIFIED UTILITIES.
- UTILIZE EXISTING DRIVEWAY PRIOR TO CONSTRUCTION OF TEMPORARY DRIVEWAY
- BEGIN GRADING OF THE SITE.
- BEGIN CONSTRUCTION OF UTILITIES.
- BEGIN SUBGRADE PREPARATION AND CONSTRUCTION OF STRUCTURES.
- BEGIN INSTALLATION OF CURB, GUTTER, AND PAVING.
- COMPLETE PERMANENT STABILIZATION ON AREAS WHERE CONSTRUCTION HAS COMPLETED.
- COMPLETE FINAL GRADING AND INSTALLATION OF PERMANENT STABILIZATION OVER ALL AREAS.
- OBTAIN CONCURRENCE FROM THE OWNER AND THE CITY THAT THE SITE HAS BEEN FULLY STABILIZED.
- REMOVE ALL REMAINING TEMPORARY EROSION AND SEDIMENT CONTROL DEVICES.
- STABILIZE ALL AREAS DISTURBED BY BMP REMOVAL.

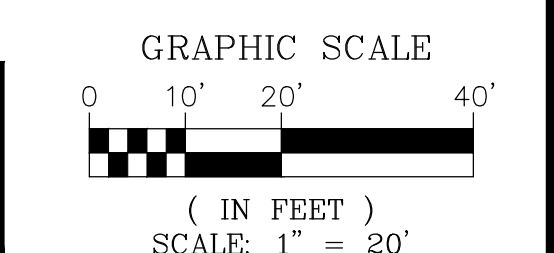
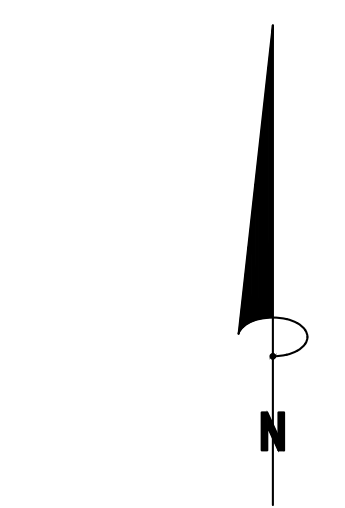
CONTRACTOR MAY COMPLETE CONSTRUCTION RELATED ACTIVITIES CONCURRENTLY ONLY IF ALL PRECEDING BMPS HAVE BEEN COMPLETELY INSTALLED.

THE ACTUAL SCHEDULE FOR IMPLEMENTING POLLUTANT CONTROL MEASURES WILL BE DETERMINED BY THE PROJECT CONSTRUCTION PROGRESS AND RECORDED BY THE GENERAL CONTRACTOR ON THESE PLANS.

EROSION CONTROL DETAILS

- CURB INLET SEDIMENT CONTROL
- SILT FENCE INLET PROTECTION
- FILTER SACKS
- TEMPORARY CONSTRUCTION EXIT/ENTRANCE
- TEMPORARY SEDIMENT TRAP
- SWPPP SIGN
- POLY LOG
- STORM CATCH BASIN
- STORM MANHOLE
- TEMPORARY SILT FENCE
- LIMITS OF DISTURBANCE
- CONTOUR LINE (PROPOSED)

DISTURBED AREA
87,073 SF
(2.00 ± AC)



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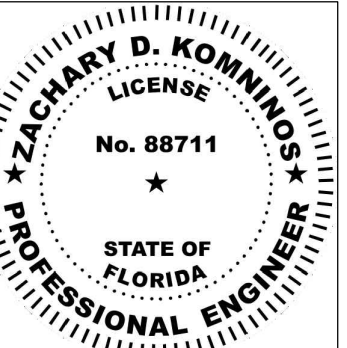
Bowman Consulting Group, Ltd.
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EROSION CONTROL

TOMMY'S EXPRESS CAR WASH

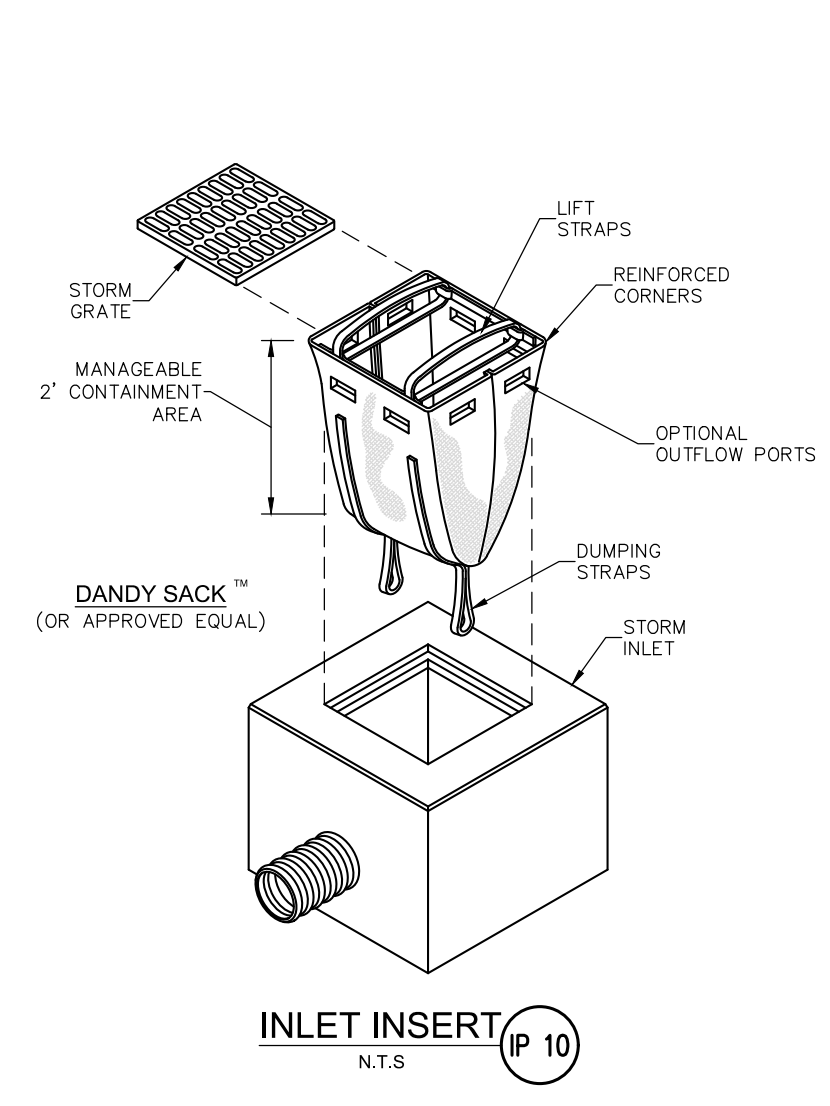
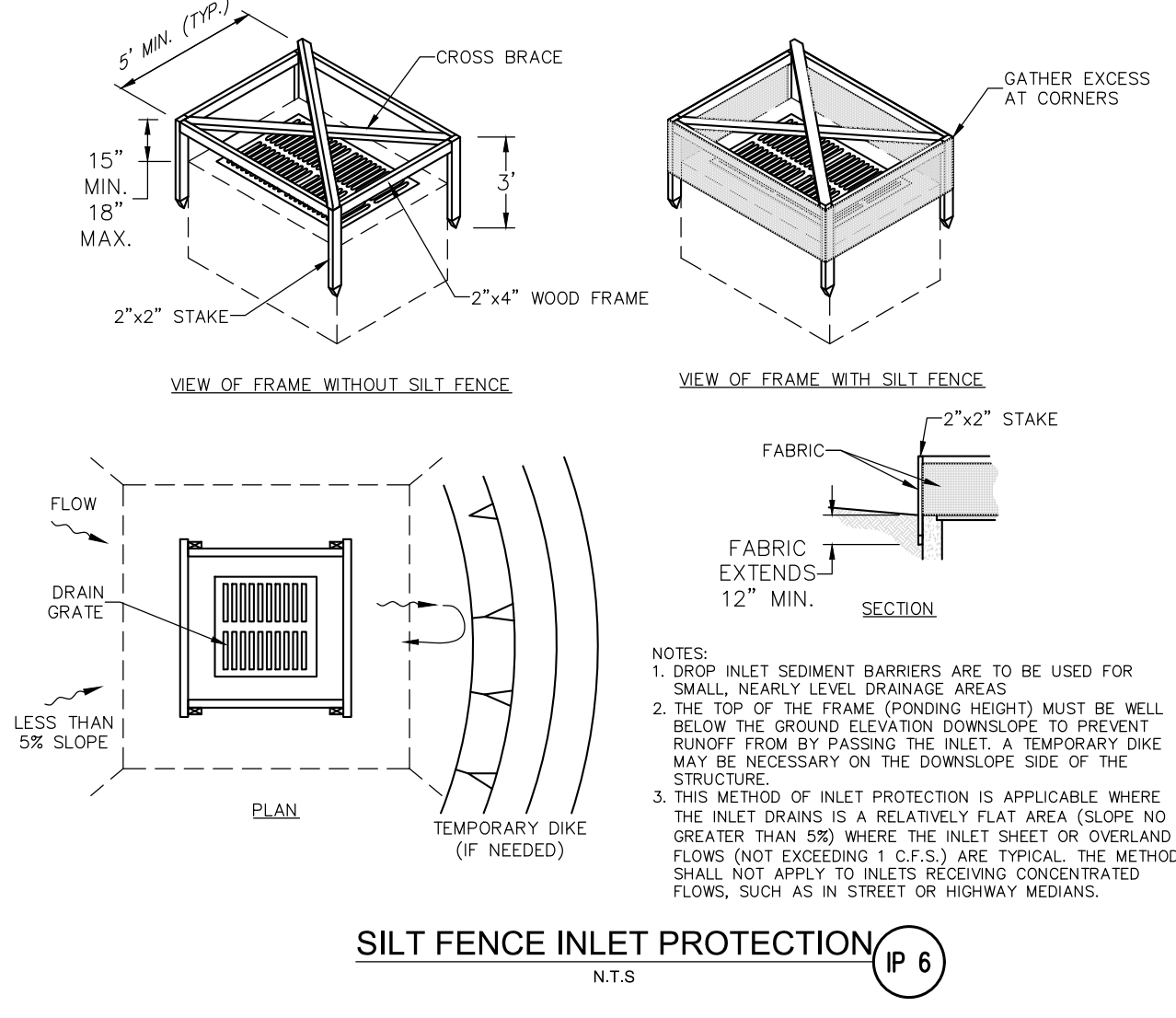
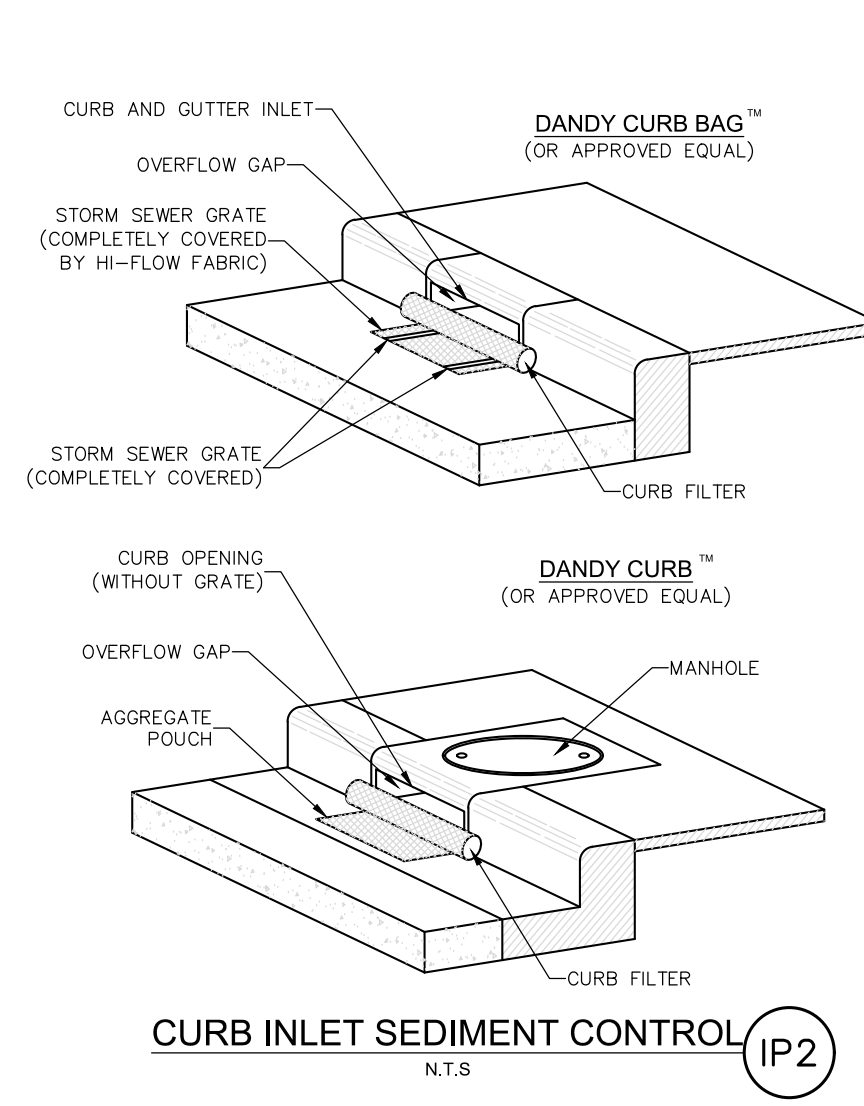
13000 S. TAMiami TRAIL
NORTH PORT, FLORIDA, 34287

CITY OF NORTH PORT SARASOTA COUNTY



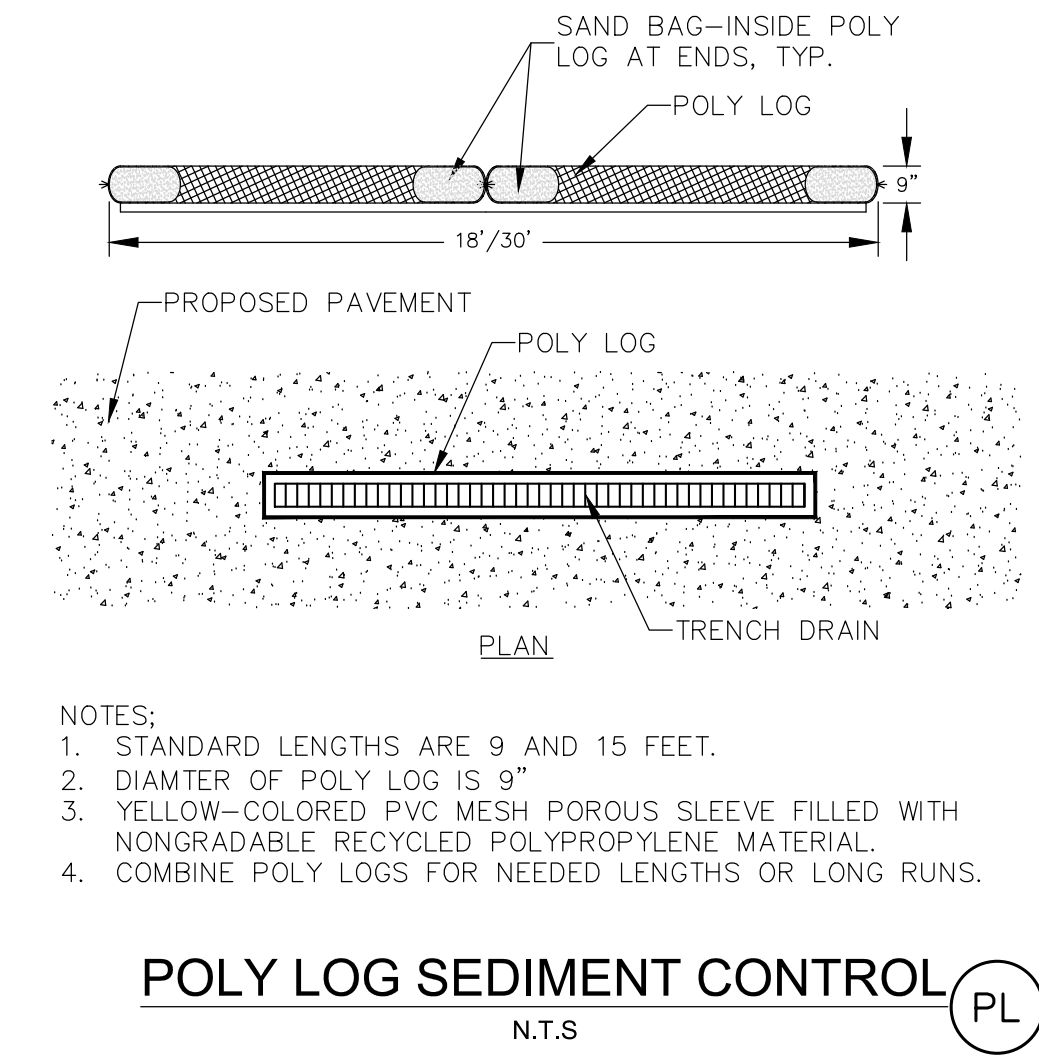
ZACHARY D. KOMINIOS
LICENSE NO. 88711
08/02/2023
PLAN STATUS

DATE	DESCRIPTION	
ALW	ELC	KS
DESIGN	DRAWN	CHKD
SCALE	1" = 20'	
JOB No.	011239-01-001	
DATE	08/02/2023	
011239-01-D-CP-001-04-ES1.0-ESP.DWG		
ES1.0		
SHEET		



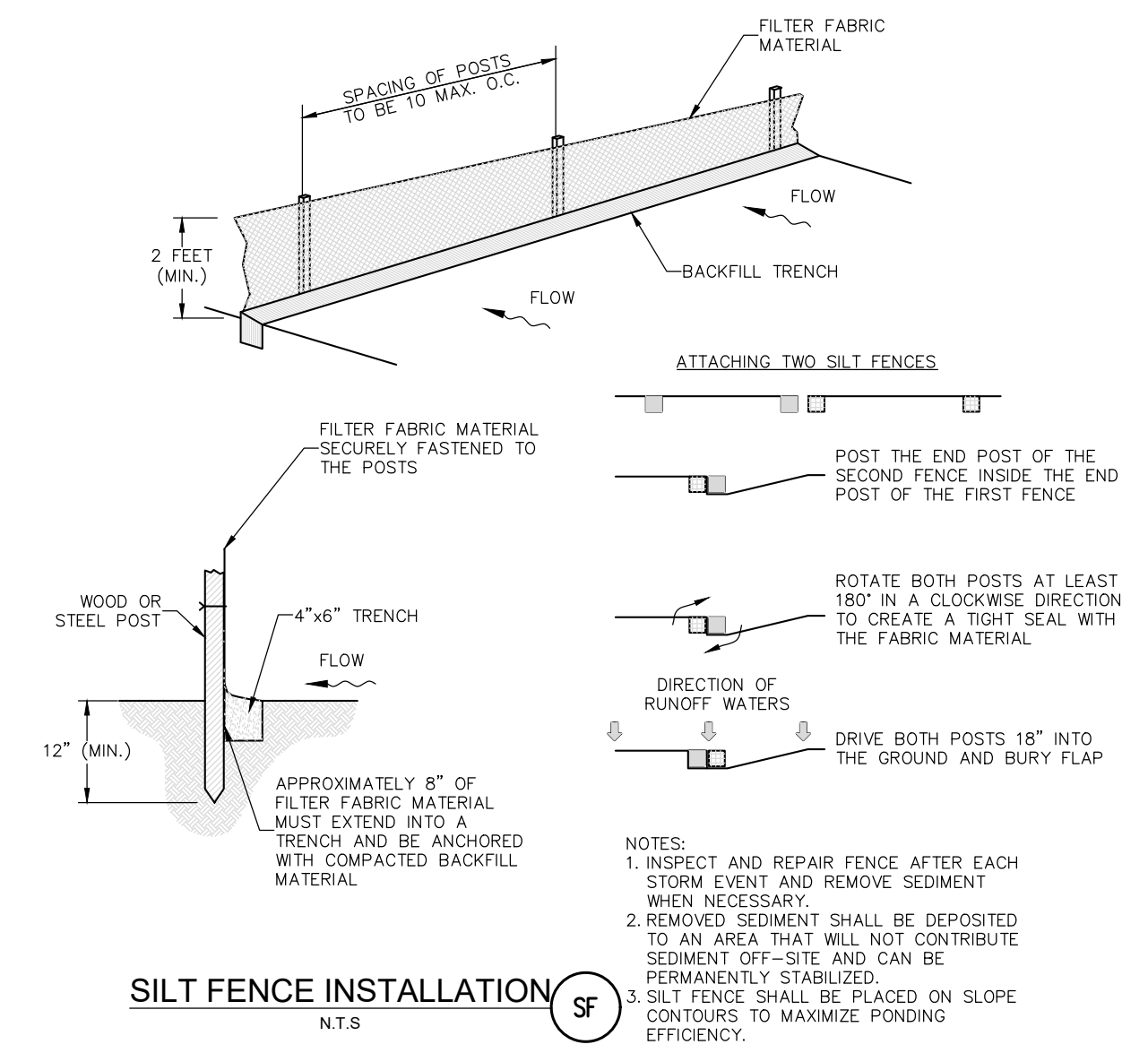
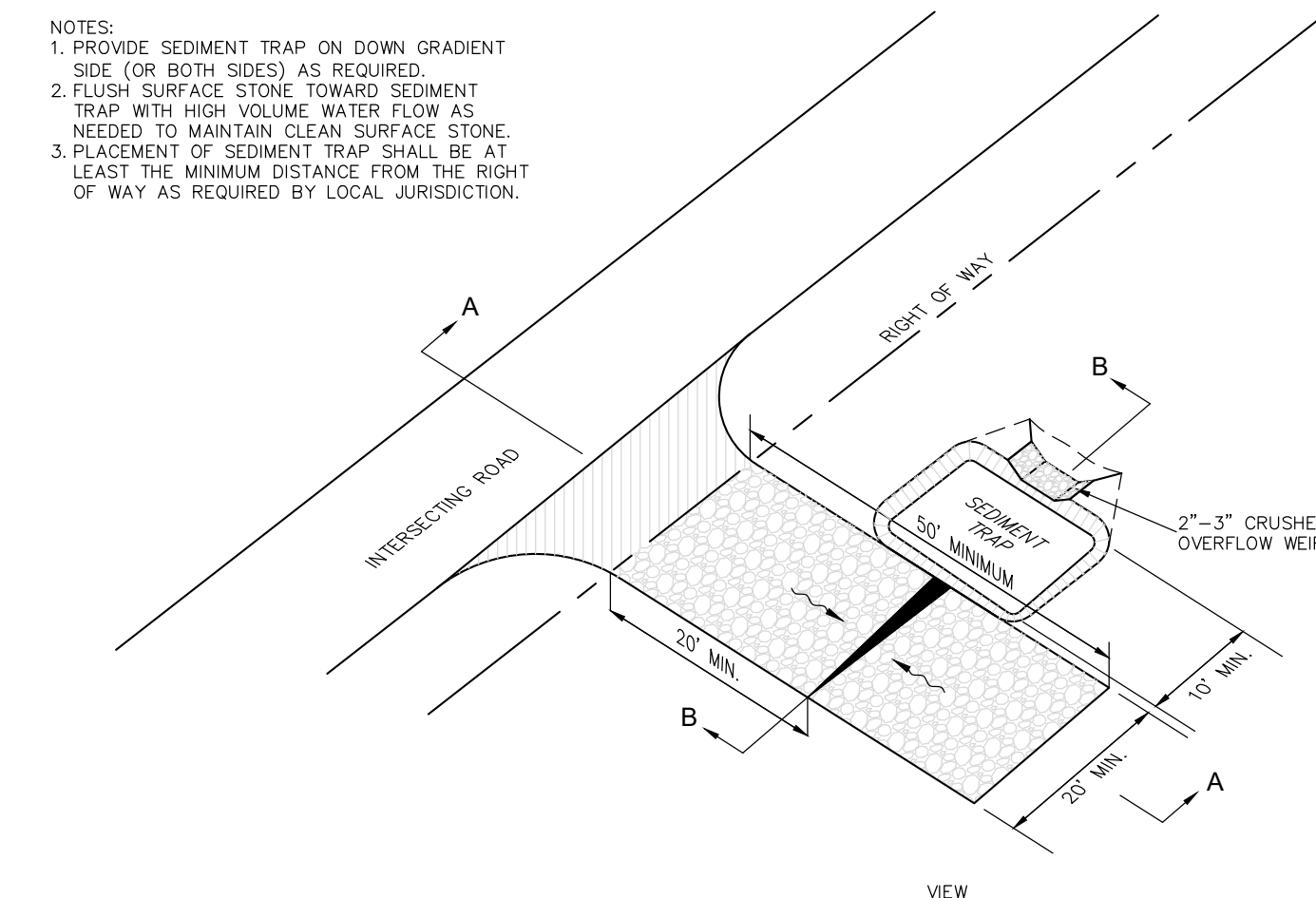
LOW TO MODERATE FLOW GEOTEXTILE FABRIC SPECIFICATION TABLE			
PROPERTIES	TEST METHOD	UNITS	
GRAB TENSILE STRENGTH	ASTM D-4632	300	LBS
GRAB TENSILE ELONGATION	ASTM D-4632	20	%
PUNCTURE	ASTM D-4833	120	LBS
MULLEN BURST	ASTM D-3786	800	PSI
TRAPEZOID TEAR	ASTM D-4533	120	LBS
UV RESISTANCE	ASTM D-4355	80	%
APPARENT OPENING SIZE	ASTM D-4751	40	US SIEVE
FLOW RATE PERMITTIVITY	ASTM D-4491	40	GAL/MIN/50 FT
	ASTM D-4491	0.55	SEC -1
MODERATE TO HIGH FLOW GEOTEXTILE FABRIC SPECIFICATION TABLE			
PROPERTIES	TEST METHOD	UNITS	
GRAB TENSILE STRENGTH	ASTM D-4632	265	LBS
GRAB TENSILE ELONGATION	ASTM D-4632	20	%
PUNCTURE	ASTM D-4833	135	LBS
MULLEN BURST	ASTM D-3786	420	PSI
TRAPEZOID TEAR	ASTM D-4533	45	LBS
UV RESISTANCE	ASTM D-4355	80	%
APPARENT OPENING SIZE	ASTM D-4751	20	US SIEVE
FLOW RATE PERMITTIVITY	ASTM D-4491	200	GAL/MIN/50 FT
	ASTM D-4491	1.5	SEC -1

- NOTES:
- FOR TEMPORARY USE TO CAPTURE LARGER DIAMETER SEDIMENTS. NOT TO BE UTILIZED AS THE ONLY SEDIMENT CONTAINMENT SYSTEM.
 - GEOTEXTILE WILL BE A WOVEN POLYPROPYLENE FABRIC THAT MEETS OR EXCEEDS REQUIREMENTS IN THE SPECIFICATIONS TABLE.
 - AN OIL ADSORBENT PAD OR PILLOW CAN BE PURCHASED WHEN OIL SPILLS ARE A CONCERN.
 - INSPECT PER REGULATORY REQUIREMENTS.

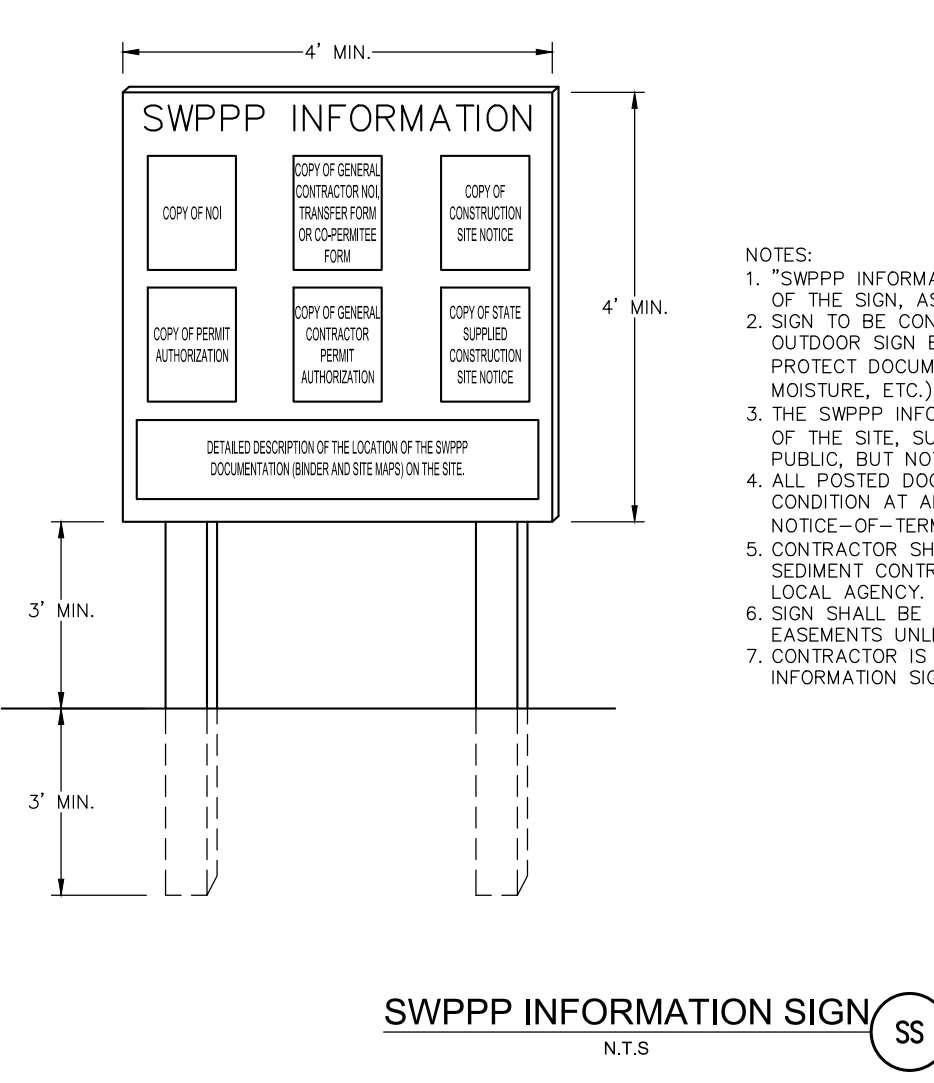
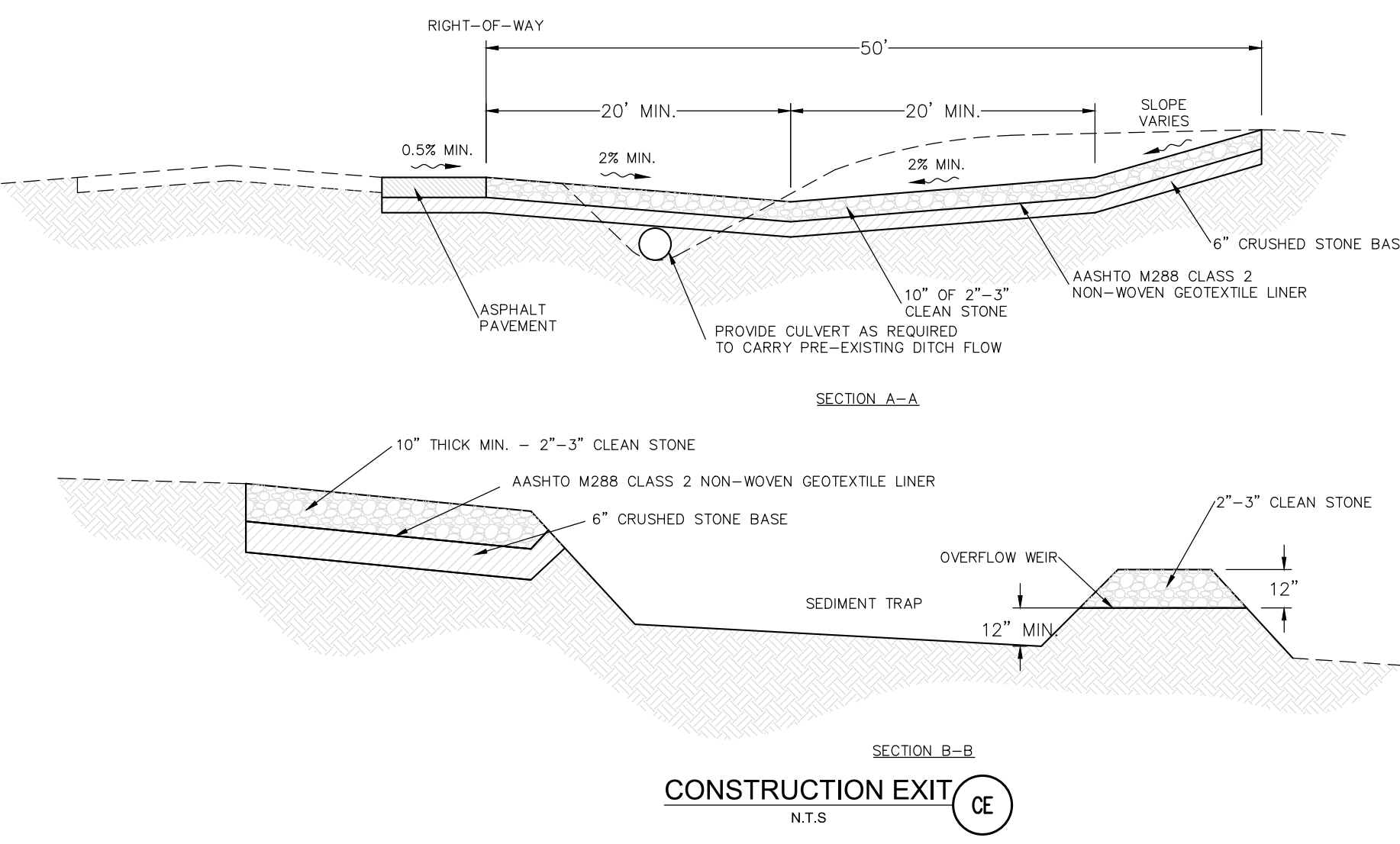


- NOTES:
- STANDARD LENGTHS ARE 9 AND 15 FEET.
 - DIAMETER OF POLY LOG IS 9\"/>

- NOTES:
- PROVIDE SEDIMENT TRAP ON DOWN GRADIENT SIDE (OR BOTH SIDES) AS REQUIRED.
 - FLUSH SURFACE STONE TOWARD SEDIMENT TRAP WITH HIGH VOLUME WATER FLOW AS NEEDED TO MAINTAIN CLEAN SURFACE STONE.
 - PLACEMENT OF SEDIMENT TRAP SHALL BE AT LEAST THE MINIMUM DISTANCE FROM THE RIGHT OF WAY AS REQUIRED BY LOCAL JURISDICTION.



- NOTES:
- INSPECT AND REPAIR FENCE AFTER EACH STORM EVENT AND REMOVE SEDIMENT WHEN NECESSARY.
 - REMOVED SEDIMENT SHALL BE DEPOSITED TO AN AREA THAT WILL NOT CONTRIBUTE SEDIMENT OFF-SITE AND CAN BE PERMANENTLY STABILIZED.
 - SILT FENCE SHALL BE PLACED ON SLOPE CONTOURS TO MAXIMIZE PONDING EFFICIENCY.



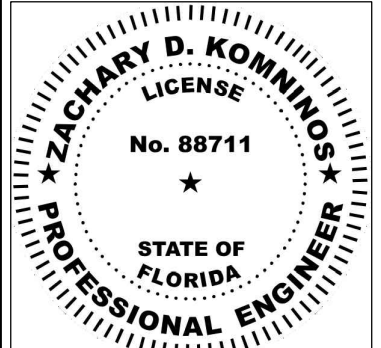
- NOTES:
- "SWPPP INFORMATION" MUST BE DISPLAYED PROMINENTLY ACROSS THE TOP OF THE SIGN AS SHOWN IN THE DETAIL.
 - SIGN TO BE CONSTRUCTED OF A RIGID MATERIAL, SUCH AS PLYWOOD OR OUTDOOR SIGN BOARD. SIGN MUST BE CONSTRUCTED IN A MANNER TO PROTECT DOCUMENTS FROM DAMAGE DUE TO WEATHER (WIND, SUN, MOISTURE, ETC.).
 - THE SWPPP INFORMATION SIGN MUST BE LOCATED NEAR THE ENTRANCE/EXIT OF THE SITE, SUCH THAT IT IS ACCESSIBLE/VISIBLE BY THE GENERAL PUBLIC, BUT NOT OBSTRUCTING VIEWS AS TO CAUSE A SAFETY HAZARD.
 - ALL POSTED DOCUMENTS MUST BE MAINTAINED IN A CLEARLY READABLE CONDITION AT ALL TIMES THROUGHOUT CONSTRUCTION AND UNTIL THE NOTICE-OF-TERMINATION (NOT) IS FILED FOR THE PERMIT.
 - CONTRACTOR SHALL POST OTHER STORM WATER AND/OR EROSION AND SEDIMENT CONTROL RELATED PERMITS ON THE SIGN AS REQUIRED BY THE LOCAL AGENCY.
 - SIGN SHALL BE LOCATED OUTSIDE OF PUBLIC RIGHT-OF-WAY AND EASEMENTS UNLESS APPROVED BY THE GOVERNING AGENCY.
 - CONTRACTOR IS RESPONSIBLE FOR ENSURING STABILITY OF THIS SWPPP INFORMATION SIGN.

THIS DOCUMENT, TOGETHER WITH THE CONCEPTS AND DESIGNS PRESENTED HEREIN, AS AN INSTRUMENT OF SERVICE, IS INTENDED ONLY FOR THE SPECIFIC PURPOSE AND CLIENT FOR WHICH IT WAS PREPARED. REUSE OF AND IMPROPER RELIANCE ON THIS DOCUMENT WITHOUT WRITTEN AUTHORIZATION AND ADAPTATION BY BOWMAN CONSULTING SHALL BE WITHOUT LIABILITY TO BOWMAN CONSULTING.

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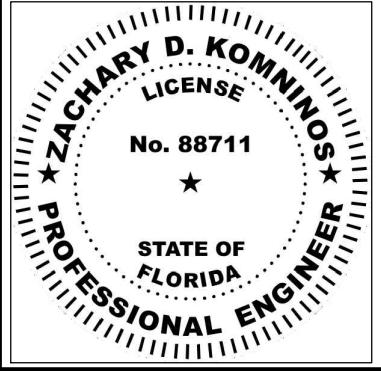
EROSION CONTROL DETAILS
TOMMY'S EXPRESS CAR WASH
13000 S. TAMiami TRAIL
NORTH PORT, FLORIDA, 34287
CITY OF NORTH PORT
SARASOTA COUNTY



ZACHARY D. KOMINIOS
LICENSE NO. 88711
08/02/2023
PLAN STATUS

DATE	DESCRIPTION
ALW DESIGN	ELC DRAWN
	KS CHKD
SCALE NONE	
JOB No. 011239-01-001	
DATE 08/02/2023	
011239-01-D-CP-001-04-ESI.0-ESP.DWG	
ES2.0	
SHEET	





ZACHARY D. KOMINIOS
LICENSE NO. 88711
08/02/2023
PLAN STATUS

DATE	DESCRIPTION	
ALW	ELC	KS
DESIGN	DRAWN	CHKD
SCALE 1" = 20'		
JOB No. 011239-01-001		
DATE 08/02/2023		
011239-01-0-CP-001-05-C1.0-SIT.DWG		
C1.0		
SHEET		

PROPOSED LEGEND

	PROPERTY LINE
	PROPOSED CURB AND GUTTER
	STOP BAR
	SIGN
	PROPOSED PARKING SPACES
	ACCESSIBLE SPACES
	PARKING SPACE COUNT
	PROPOSED LIGHT POLE
	HEAVY DUTY CONCRETE PAVEMENT
	STANDARD DUTY ASPHALT PAVEMENT
	STANDARD DUTY CONCRETE PAVEMENT
	CONCRETE SIDEWALK

NOTES

- MONUMENT SIGN
- DUMPSTER ENCLOSURE WITH WALLS BETWEEN 6' AND 8' PER (ULDC SEC.53-3.6) AND NPPB PG. 54 SEE DETAIL ON D7.0
- 3' TRANSITION CURB, PER DETAILS THIS PAGE
- END CURB
- LANDSCAPE AREA (SEE LANDSCAPE PLANS)
- VACUUM BOOM (SEE ARCHITECTURAL PLANS FOR DETAIL)
- CONNECT TO EXISTING SIDEWALK AT NEAREST EXPANSION JOINT, MATCH EXISTING ELEVATIONS
- 5'x6' TRANSFORMER PAD
- SITE LIGHTING, SEE LIGHTING PLANS
- CONCRETE PAD FOR A.C.
- TRASH CAN
- PROPOSED CURB TO MATCH EXISTING CURB
- 6" WHITE THERMOPLASTIC "NO PARKING" STRIPING @ 2' O.C.
- SIDEWALK TO BE FLUSH WITH PAVEMENT
- EMPLOYEE/CONTROL ROOM (AIR CONDITIONED) SEE ARCHITECTURAL PLANS
- STORAGE ROOM (NOT AIR CONDITIONED)
- BATHROOMS (AIR CONDITIONED), SEE ARCHITECTURAL PLANS
- CONCRETE PAD FOR BICYCLE RACK
- STAINLESS STEEL BOLLARD (AT VACUUM STATIONS)

DETAILS

- 36" X 36" STOP SIGN, PER MUTCD STANDARD R1-1
- DO NOT ENTER SIGN, PER MUTCD STANDARD R5-1
- STANDARD ROLL CURB, PER DETAIL SHEET D3.0
- 24" WIDE WHITE THERMO PLASTIC STOP BAR, PER FDOT STANDARD INDEX 711-001, SEE LENGTH INDICATED AT SYMBOL
- WHITE PARKING LOT STRIPING, PER FDOT STANDARD INDEX 711-001
- ADA PARKING STRIPING, PER FDOT STANDARD INDEX 711-001
- ADA SIGN PER FDOT STANDARD INDEX 700-102
- TYPE "D" CURB, PER FDOT STANDARD INDEX 520-001
- CROSSWALK STRIPING, PER FDOT INDEX 711-001 STANDARD MARKINGS
- 5' - 10' CROSSWALK STRIPING, PER SHEET D7.0 (DETAILS)
- ADA DETECTABLE WARNING SURFACES
- CROSSWALK TO BE BRICK PAVERS OR STAMPED CONCRETE PER NPPB PG.11
- CENTERLINE PAVEMENT MARKINGS (DOUBLE YELLOW) PER FDOT INDEX 711-001

SITE AREA CALCULATIONS

TOTAL SITE AREA	91,040 SF (2.09 AC.±) (100%)
IMPERVIOUS AREA	43,697 SF (1.00 AC.±) (49%)
BUILDING	5,200 SF (0.12 AC.±) (6%)
SIDEWALK/PAVEMENT	38,497 SF (0.88 AC.±) (45%)
PERVIOUS AREA	
PROPOSED WATER SURFACE	18,809 SF (0.43 AC) (20.66%)
OPEN SPACE	28,534 SF (0.66 AC) (31.34%)
F.A.R.	91,040
LOT COVERAGE:	5,200 / 91,040 = 5.71%

PROPOSED PARKING DATA

REQUIRED PARKING SPACES:
CRITERIA FOR NUMBER OF STALLS (60° & 90°): 2 SPACES PER WASHING STALL
CRITERIA FOR NUMBER OF BICYCLE PARKING: BIKE RACK MUST BE WITHIN 50' OF THE BUILDING AND HAVE A MINIMUM OF 6 SPACES

TOTAL REQUIRED PARKING: (1 STALLS * 2) = 2 SPACES
TOTAL REQUIRED BICYCLE PARKING: (2) = 6 SPACES

PROVIDED PARKING SPACES:

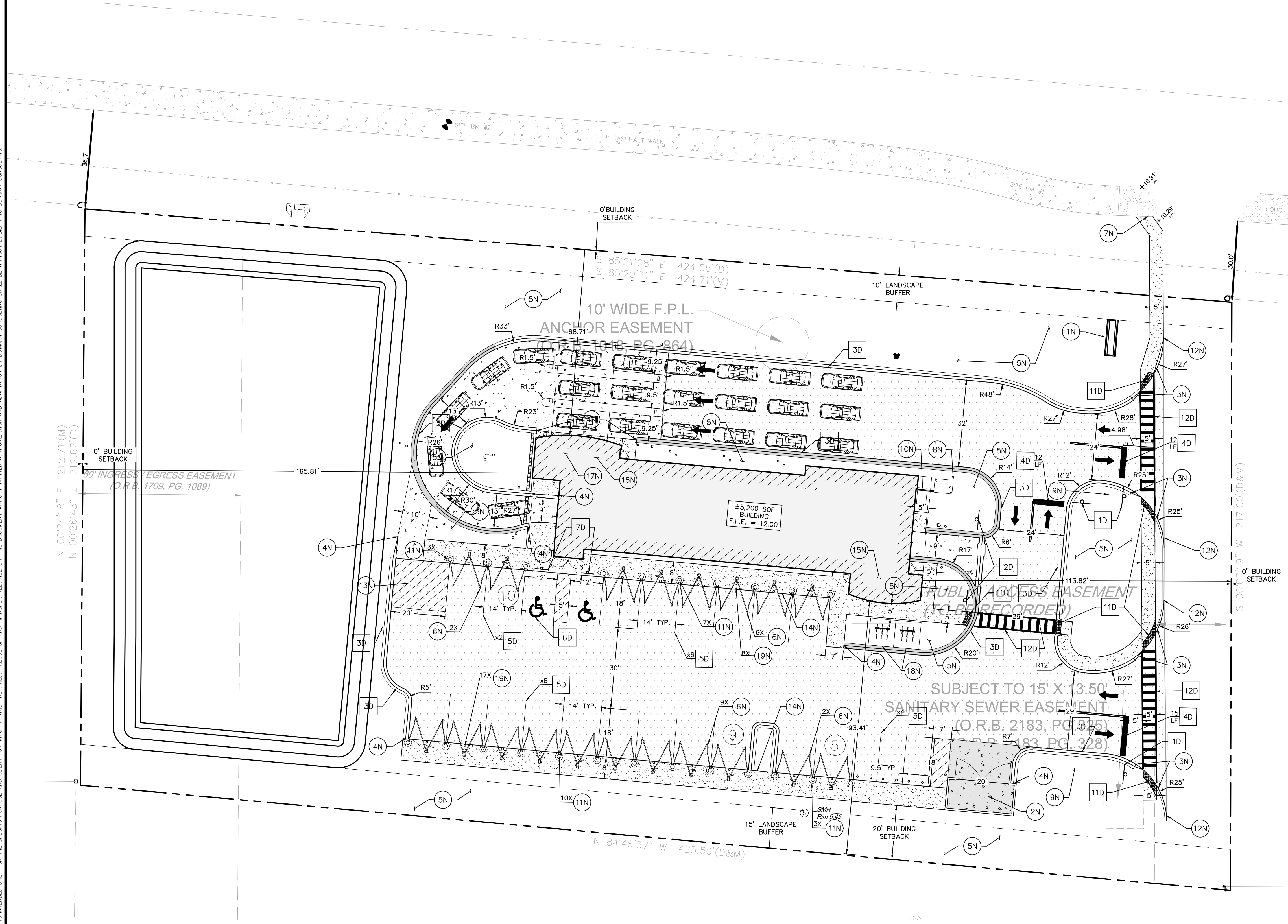
STANDARD SPACES 9.5' MIN X 18' MIN	3 SPACES
VACUUM SPACES 14' MIN X 18' MIN	19 SPACES
ACCESSIBLE SPACES 12'x18'	2 SPACES
TOTAL PROVIDED PARKING SPACES	24 SPACES
TOTAL PROVIDED BICYCLE	6 SPACES

PARKING NOTES

- PARKING SHOWN CONTAINS 60° AND 90° PARKING SPACES.
- TYPICAL DIMENSIONS:
PROPOSED DIMENSION: WIDTH: 9.5', 14'
CITY OF NORTH PORT REQUIRED DIMENSION: WIDTH: 8.5 MIN'
PROPOSED DIMENSION: DEPTH: 18', 20.7'
CITY OF NORTH PORT REQUIRED DIMENSION: DEPTH: 18'
PROPOSED TWO WAY AISLES: 24'
CITY OF NORTH PORT REQUIRED TWO WAY AISLES: 24' MIN
PROPOSED ENTRANCE DRIVE AISLES: 24'
CITY OF NORTH PORT REQUIRED ENTRANCE DRIVE AISLES: 24' MIN

DUMPSTER/COMPACTOR CORRAL SPECIFICATIONS

- A CONCRETE CORRAL WILL ENCLOSE THE DUMPSTER/COMPACTOR PAD, MINIMUM SIX FEET HIGH ON THREE SIDES, WITH A GATE ON THE FRONT.
- THE FRONT GATE MUST BE A DOUBLE GATE, THE WIDTH OF THE CORRAL FRONTAL AREA, MINUS REQUIRED STRUCTURAL SUPPORTS ON THE SIDES.
- MINIMUM GATE OPENING IS 20' X 10' X 6'
- THE FRONT GATES MUST NOT HAVE A CENTER GATE SUPPORT THAT WOULD IMPEDE ACCESS TO THE DUMPSTER/COMPACTOR.
- THE GATES MUST HAVE SOME SORT OF LATCH MECHANISM TO ENSURE THE GATES REMAIN OPEN DURING ENTRY, DUMPING PROCESS AND EXIT.
- THE BACK CORRAL WALL MUST HAVE A STURDY, RELIABLE BACKSTOP TO PREVENT DAMAGE.
- COMPACTOR MUST HAVE GUIDE RAILS, RAILS WITH STOPS OR ISLAND.



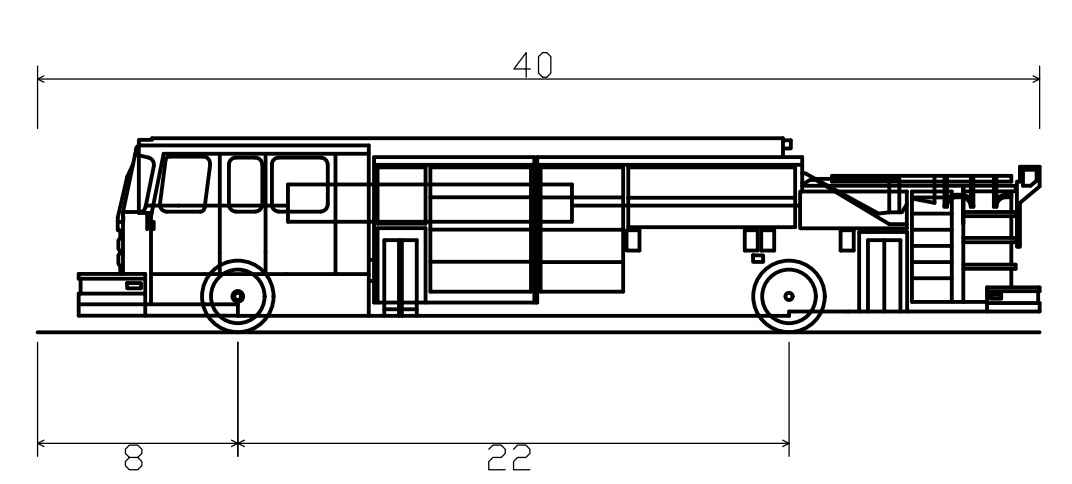
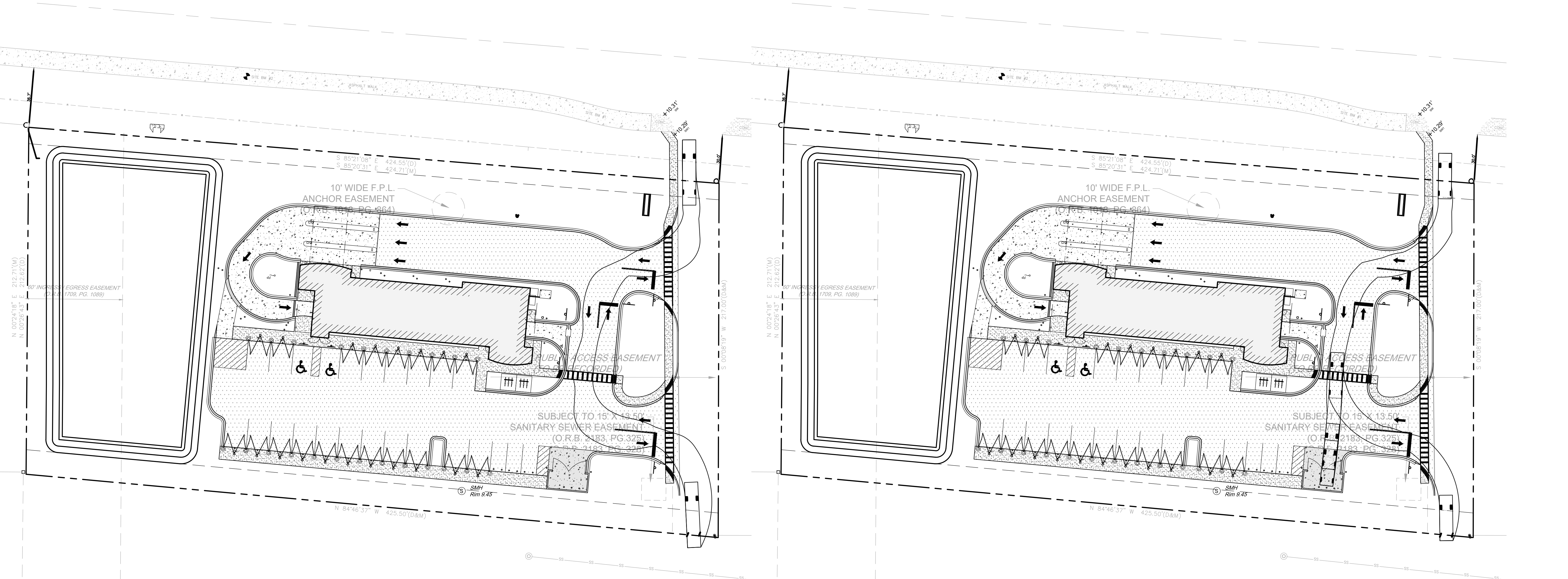
GENERAL SITE NOTES

- ALL PARKING DIMENSIONS SHOWN ARE TO THE FACE OF CURB.
- ALL EXISTING EASEMENTS, RIGHTS-OF-WAY, AND LOT LINES MAY NOT BE SHOWN, REFER TO THE SURVEY PREPARED BY FIRST CHOICE SURVEYING INC. JOB NUMBER 50147918, CURRENT VERSION FOR COMPLETE BOUNDARY INFORMATION AND ASSOCIATED ENCUMBRANCES.
- A PRE-CONSTRUCTION MEETING WITH CITY ENGINEER SHALL BE HELD PRIOR TO CONSTRUCTION COMMENCEMENT.
- THE CITY OF NORTH PORT SHALL BE GIVEN AT LEAST 48 HOURS NOTICE PRIOR TO PERFORMING ANY INSPECTIONS.
- TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH THE PROJECT PLANS, THE CURRENT EDITION OF THE FDOT DESIGN STANDARDS (600 SERIES) AND THE LATEST OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).
- ALL MECHANICAL EQUIPMENT TO BE ROOF MOUNTED AND SCREENED FROM VIEW.
- CONTRACTOR TO PROVIDE AS-BUILTS OF ALL IMPROVEMENTS TO THE SITE, PERFORMED BY A LICENSED SURVEYOR IN THE STATE OF FLORIDA. AS-BUILTS TO INCLUDE HORIZONTAL AND VERTICAL LOCATIONS OF ALL UNDERGROUND UTILITIES INCLUDING, BUT NOT LIMITED TO, PIPES, FITTINGS, STRUCTURES, AND OTHER APPURTENANCES. ELEVATIONS OF PIPES AT CROSSING POINTS MUST BE SUFFICIENT TO IDENTIFY MINIMUM SEPARATION OF UTILITIES AS DEFINED BY F.A.C. RULE 62-555.314. IN ADDITION TO THE AFOREMENTIONED CRITERIA AS-BUILTS MUST MEET ALL LOCAL AND JURISDICTIONAL REQUIREMENTS FOR CERTIFICATION OF CONSTRUCTION.
- ANY EXISTING SIDEWALKS IN THE RIGHT-OF-WAY, ADJACENT TO THE PROPERTY, IN DISREPAIR OR DAMAGED DURING CONSTRUCTION SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.
- USE STANDARD #520-001 AND #522-002 FOR THE CONSTRUCTION OR RECONSTRUCTION OF SIDEWALK ON STATE RIGHT-OF-WAY, AND MEET CURRENT ADA STANDARDS AND ALL CONCRETE PLACED IN THE RIGHT-OF-WAY SHALL BE A MINIMUM OF 6" THICK, FDOT-CLASS 1 NON-STRUCTURAL, 3000 PSI CONCRETE WITH FIBER MESH MATERIAL FROM A STATE APPROVED PLANT.
- USE STANDARDS SPECIFIED IN NOTE 10 FOR THE SIDEWALK CONNECTING INTO THE SITE FROM THE STATE RIGHT-OF-WAY.
- ALL DISTURBED AREAS IN FDOT RIGHT-OF-WAY SHALL BE SOODED.
- DISTANCE BETWEEN BACK OF STOP BARS AND CROSSWALKS AT ALL CROSSING SHALL BE A MINIMUM OF 4'
- PER ULDC 37-51, ALL PAVEMENT MARKINGS AND STRIPING - EXCEPT FPR STANDARD PARKING STALL LINES, LOADING ZONES, AND FIRE LANES - SHALL BE THERMOPLASTIC IN COMPLIANCE WITH SECTION 710 OF THE FLORIDA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, LATEST EDITION. STANDARD PARKING STALL LINES SHALL USE PAINT IN COMPLIANCE WITH SECTION 710 OF THE FLORIDA DEPARTMENT OF TRANSPORTATION FOR ROAD AND BRIDGE CONSTRUCTION, LATEST EDITION.
- PER ULDC SEC. 35-4.B.(3), ALL NEW CONSTRUCTION, RENOVATION, OR REDEVELOPMENT SHALL INCORPORATE THE PUBLIC ART IN ACCORDANCE WITH CHAPTER 59, ALL PUBLIC ART SHALL BE APPROVED BY CITY STAFF AND/OR CITY COMMISSION. THE CITY STAFF AND/OR CITY COMMISSION SHALL APPROVE THE ART PIECE AND FINAL PLACEMENT PRIOR TO THE ISSUANCE OF THE DEVELOPMENT ORDER.

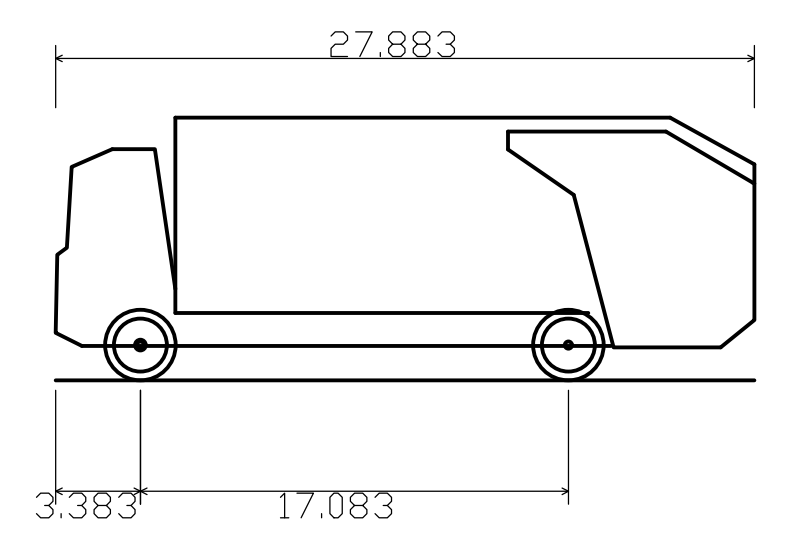
FIRE NOTES

- PER § 60-5 OF THE CITY OF NORTH PORT'S UNIFIED LAND DEVELOPMENT CODE (ULDC), FIRE SPRINKLER SYSTEMS SHALL BE PROVIDED IN NEWLY ERECTED COMMERCIAL AND INDUSTRIAL SUBDIVISIONS. EACH SHALL BE DESIGNED AND CONSTRUCTED WITH A COMPLETE FIRE SPRINKLER SYSTEM IN ACCORDANCE WITH NFPA 13, STANDARD FOR THE INSTALLATION OF SPRINKLER SYSTEMS, 2016 EDITION.
- ALL SPRINKLER RISERS AND FIRE ALARM PANELS MUST BE PLACED ON THE INTERIOR OF THE STRUCTURE TO PROVIDE AN ENVIRONMENT PROTECTED FROM THE FLORIDA CLIMATE AS OUTLINED IN § 60-15 OF THE CITY OF NORTH PORT'S UNIFIED LAND DEVELOPMENT CODE (ULDC) AND CHAPTER 10 OF NFPA 72 - NATIONAL FIRE ALARM AND SIGNALING CODE, 2016 EDITION.
- PER § 60-7 (B) OF THE CITY OF NORTH PORT'S UNIFIED LAND DEVELOPMENT CODE (ULDC), THE FIRE LINE TO THE BUILDING SHALL EXTEND TO ONE FOOT ABOVE FINISHED FLOOR (1' AFF) OR ONE FOOT ABOVE FINISHED GRADE (1' AFG) INTERIOR OF THE BUILDING. THIS REQUIREMENT SHALL BE CALLED OUT ON ALL CIVIL DRAWINGS FOR REFERENCE.
- HYDRANT AND FIRE DEPARTMENT CONNECTION (FDC) LOCATIONS MUST MEET THE ULDC, CHAPTER 60-8 & 60-9; PLACEMENT OF HYDRANT FOR THE FDC MUST BE ON THE SAME SIDE OF STREET OR PLACE THE FDC ON THE SAME SIDE AS THE HYDRANT TO MEET THE REQUIREMENTS.
- PER § 60-13 OF THE ULDC, FIRE ALARMS ARE REQUIRED IN ALL NEW STRUCTURES AND SHALL BE ELECTRONICALLY MONITORED 24 HOURS A DAY BY A UL LISTED CENTRAL STATION AND INSTALLED IN ACCORDANCE WITH NFPA 72, NATIONAL FIRE ALARM AND SIGNALING CODE AND NFPA 70, NATIONAL ELECTRICAL CODE.
- ALL FDC'S SHALL BE YARD POST OR AFFIXED TO THE SYSTEM SIDE OF THE BACK-FLOW PREVENTER OR BE WALL MOUNTED. INSTALLED AT 18" MINIMUM AND 42" MAXIMUM HEIGHT FROM THE FINISHED GRADE AND PAINTED "FIRE ENGINE RED". IT ALSO PROVIDES MINIMUM CLEARANCES AND MARKING REQUIREMENTS. PLANS DO NOT CALL OUT LOCATION TO MEET THIS REQUIREMENT.
- FIRE DEPARTMENT CONNECTION (FDC) SHALL BE LOCATED NO CLOSER THAN TWENTY-FIVE FEET (25') AND NO FURTHER THAN ONE HUNDRED FEET (100') FROM A FIRE HYDRANT AND MEET THE REQUIREMENTS SET FORTH IN § 60-8 OF THE CITY OF NORTH PORT'S UNIFIED LAND DEVELOPMENT CODE (ULDC)
- FIRE HYDRANTS IN MULTI-FAMILY (THREE OR MORE ATTACHED UNITS), COMMERCIAL AND INDUSTRIAL SUBDIVISIONS SHALL BE SPACED NO MORE THAN 400' APART AND CAPABLE OF DELIVERING FIRE FLOWS AS OUTLINED IN WITH THE FLORIDA FIRE PREVENTION CODE, 7TH EDITION (NFPA) FIRE CODE, 2018 EDITION, § 1-18.4.5.3, TABLE 1-18.4.5.2.1 AND § 1-18.5. A SECOND HYDRANT SHALL BE REQUIRED TO MEET THIS REQUIREMENT - HYDRANT SHALL NOT BE THE SAME HYDRANT CALLED OUT TO THE DEDICATED FOR THE FDC.

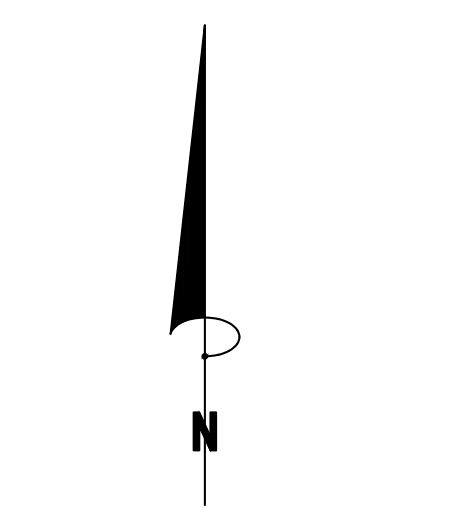
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Pumper Fire Truck
 Overall Length 40.000ft
 Overall Width 8.167ft
 Overall Body Height 7.745ft
 Min Body Ground Clearance 0.656ft
 Track Width 8.167ft
 Lock-to-lock time 5.00s
 Max Wheel Angle 45.00°



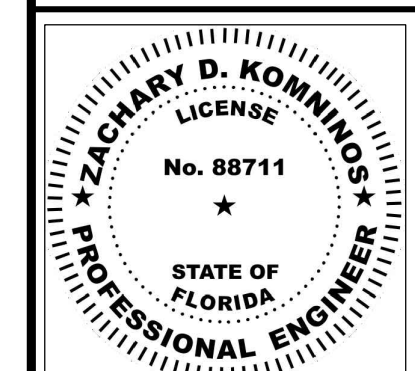
Hino 338 M + Wayne Royal GT14 Refuse Truck
 Overall Length 27.883ft
 Overall Width 3.383ft
 Overall Body Height 17.083ft
 Min Body Ground Clearance 1.318ft
 Track Width 8.042ft
 Lock-to-lock time 6.00s
 Curb to Curb Turning Radius 27.400ft



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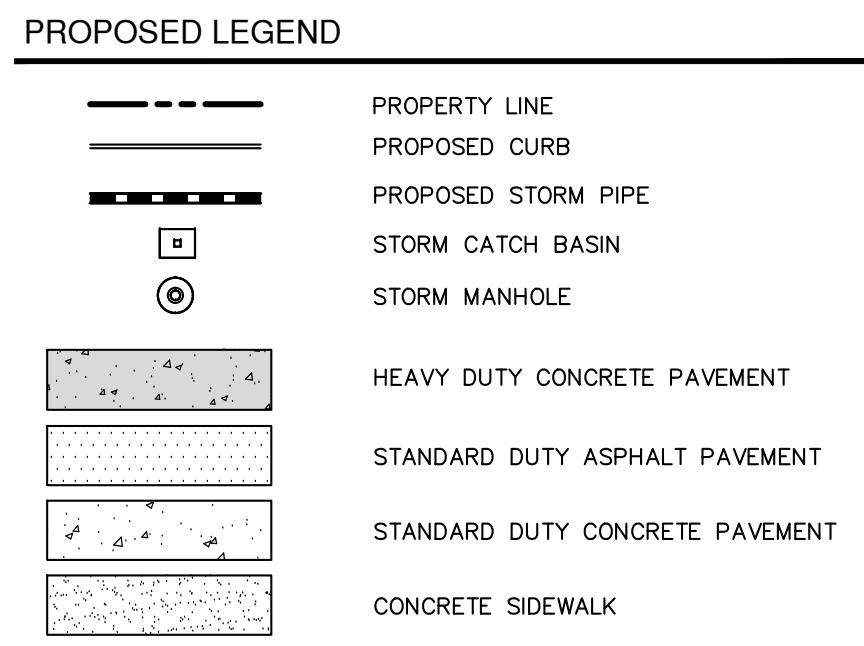
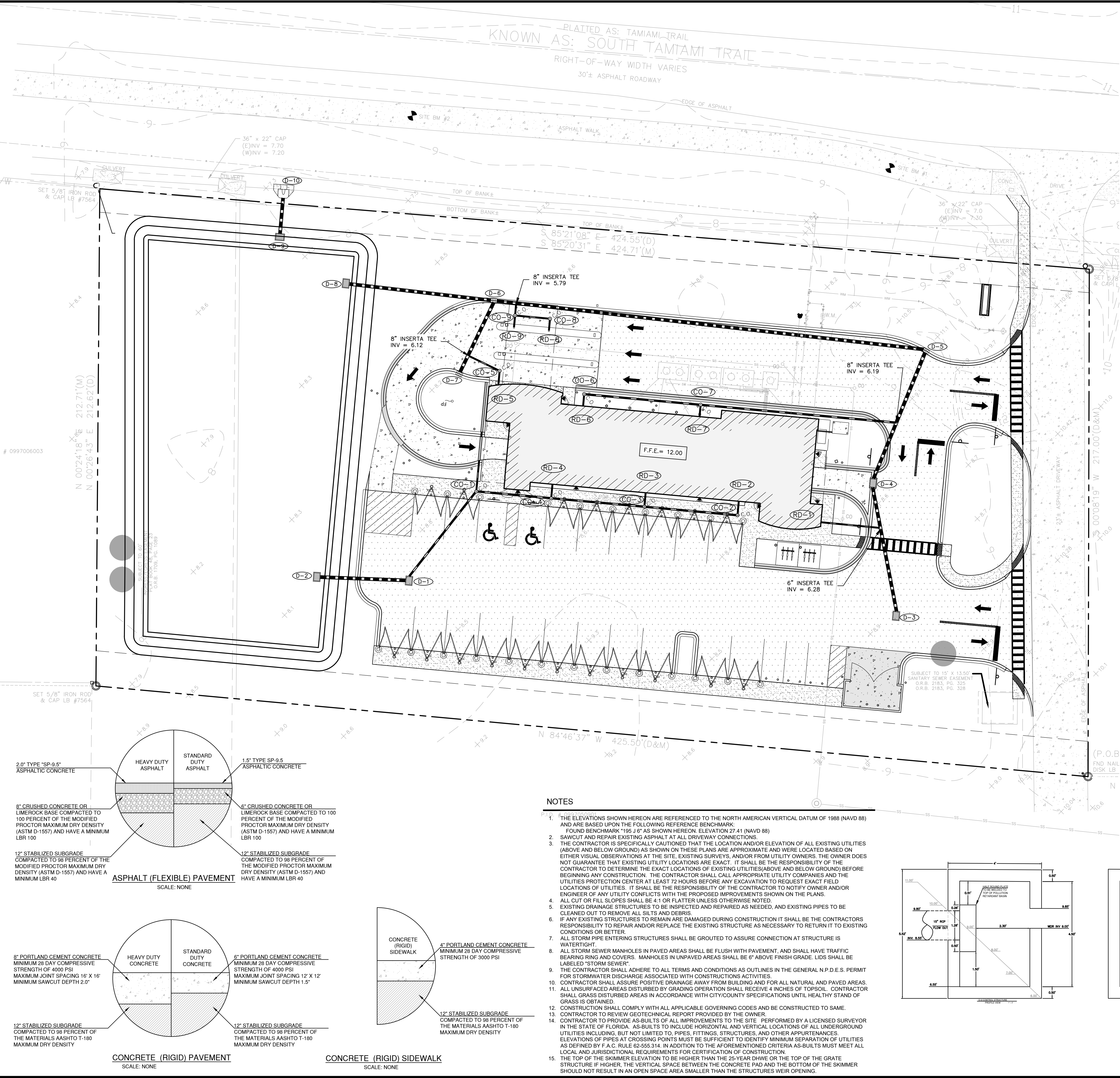
AUTO TURN PLAN
TOMMY'S EXPRESS CAR WASH
 13000 S. TAMiami TRAIL
 NORTH PORT, FLORIDA, 34287
 CITY OF NORTH PORT SARASOTA COUNTY



ZACHARY D. KOMINOS
 LICENSE NO. 88711
 08/02/2023
 PLAN STATUS

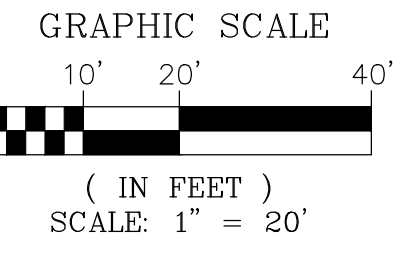
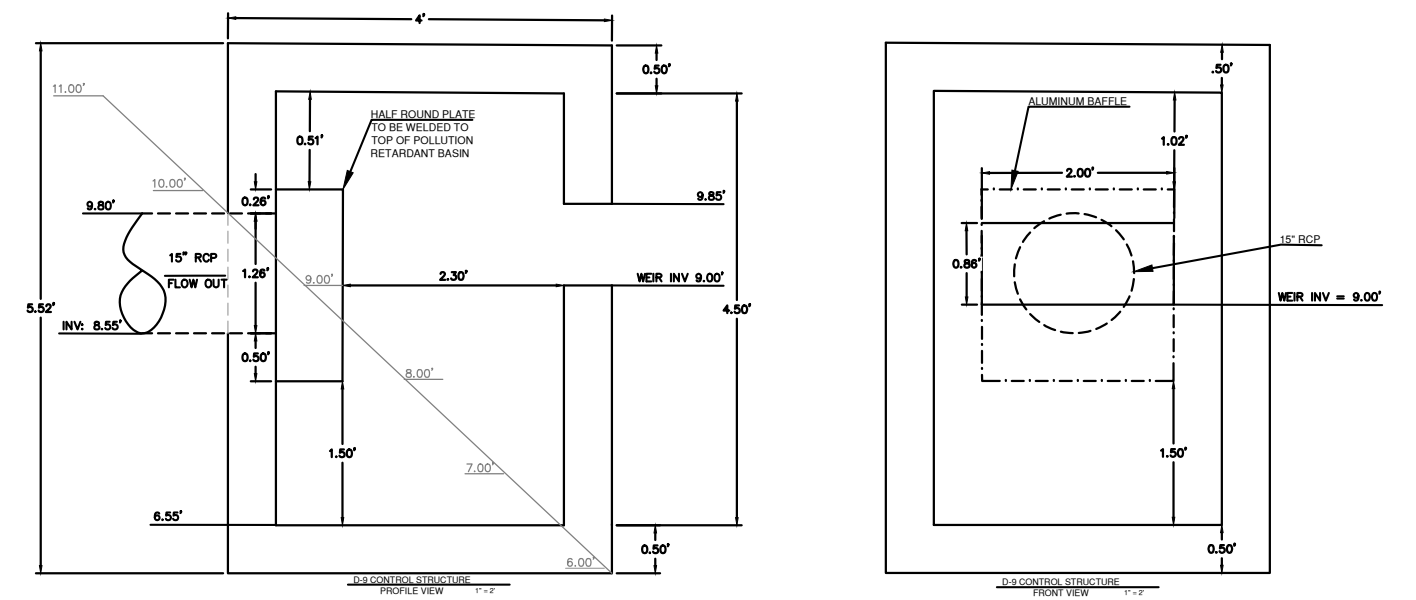
DATE	DESCRIPTION
ALW DESIGN	ELC DRAWN
	KS CHKD
SCALE 1" = 30'	
JOB No. 011239-01-001	
DATE 08/02/2023	
011239-01-0-CP-001-05-C1.0-SIT.DWG	
C1.1	

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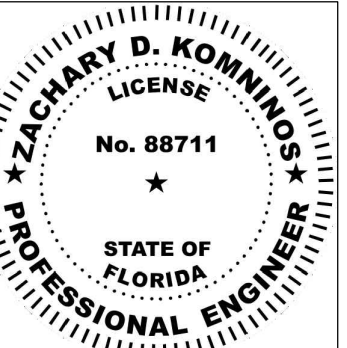
STORM CHART			
#	STRUCTURE TYPE	TOP ELEV.	PIPE INFORMATION
D-1	TYPE 'C' INLET	RIM = 10.83	(NE)INV = 6.00 (W)INV = 6.00 D1-D2 = 36 LF, 15" HP D1-CO1 = 45 LF, 15" HP
D-2	TYPE 'C' INLET	RIM = 8.25	(SW)INV = 6.00 D2-D1 = 36 LF, 15" HP
D-3	TYPE 'C' INLET	RIM = 10.60	(N)INV = 6.35 D3-D4 = 54 LF, 15" HP
D-4	TYPE 'C' INLET	RIM = 11.33	(N)INV = 6.24 (S)INV = 6.24 D4-D5 = 58 LF, 18" HP
D-5	TYPE 'C' INLET	RIM = 10.30	(S)INV = 6.12 (W)INV = 6.12 D5-D4 = 58 LF, 18" HP D5-D6 = 184 LF, 24" HP
D-6	TYPE 'C' INLET	RIM = 11.88	(E)INV = 5.75 (W)INV = 5.75 (S)INV = 5.75 D6-D7 = 33 LF, 15" HP D6-D8 = 61 LF, 24" HP
D-7	TYPE 'C' INLET	RIM = 11.88	(N)INV = 6.24 D7-D6 = 33 LF, 15" HP
D-8	TYPE 'C' INLET	RIM = 8.25	(E)INV = 5.79 D8-D6 = 61 LF, 24" HP
D-9	CONTROL STRUCTURE	RIM = 11.55	INV = 8.55 D9-D10 = 15 LF, 15" RCP
D-10	M.E.S.		INV = 7.70 D10-D11 = 24 LF, 15" RCP
RD-1	ROOF DRAIN CONNECTION		INV = 8.00 RD1-TEE = 25 LF, 6" HP
RD-2	ROOF DRAIN CONNECTION		INV = 8.00 RD2-CO2 = 6 LF, 6" HP
RD-3	ROOF DRAIN CONNECTION		INV = 8.00 RD3-CO3 = 6 LF, 6" HP
RD-4	ROOF DRAIN CONNECTION		INV = 8.00 RD4-CO4 = 6 LF, 6" HP
RD-5	ROOF DRAIN CONNECTION		INV = 8.00 RD4-CO5 = 6 LF, 6" HP
RD-6	ROOF DRAIN CONNECTION		INV = 8.00 RD6-CO6 = 6 LF, 6" HP
RD-7	ROOF DRAIN CONNECTION		INV = 8.00 RD7-CO7 = 6 LF, 6" HP
RD-8	ROOF DRAIN CONNECTION		INV = 8.00 RD8-CO8 = 6 LF, 6" HP
RD-9	ROOF DRAIN CONNECTION		INV = 7.00 RD9-CO9 = 6 LF, 6" HP
CO-1	8" CLEANOUT		INV = 6.59 CO1-D1 = 45 LF, 8" HP CO4-TRENCH = 13 LF, 6" HP CO1-CO4 = 31 LF, 8" HP
CO-2	8" CLEANOUT		INV = 7.93 CO2-CO3 = 39 LF, 8" HP
CO-3	8" CLEANOUT		INV = 7.45 CO3-CO2 = 40 LF, 8" HP CO4-RD3 = 6 LF, 6" HP CO3-CO4 = 40 LF, 8" HP
CO-4	8" CLEANOUT		INV = 6.97 CO4-CO3 = 40 LF, 8" HP CO4-RD4 = 6 LF, 6" HP CO4-CO1 = 31 LF, 8" HP
CO-5	8" CLEANOUT		INV = 7.46 CO5-RD5 = 6 LF, 6" HP CO5-TEE = 15 LF, 6" HP
CO-6	8" CLEANOUT		INV = 7.94 CO6-RD5 = 5 LF, 6" HP CO6-CO7 = 49 LF, 8" HP
CO-7	8" CLEANOUT		INV = 7.29 CO7-CO6 = 49 LF, 8" HP CO7-RD7 = 5 LF, 6" HP CO7-TEE = 85 LF, 8" HP
CO-8	8" CLEANOUT		INV = 7.55 CO8-RD8 = 5 LF, 6" HP CO8-CO9 = 15 LF, 8" HP
CO-9	8" CLEANOUT		INV = 6.22 CO9-RD9 = 5 LF, 6" HP CO9-CO8 = 15 LF, 8" HP CO9-TEE = 5 LF, 8" HP

- NOTES**
- THE ELEVATIONS SHOWN HEREON ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88) AND ARE BASED UPON THE FOLLOWING REFERENCE BENCHMARK:
FOUND BENCHMARK "195 J 6" AS SHOWN HEREON ELEVATION 27.41 (NAVD 88)
 - SAWCUT AND REPAIR EXISTING ASPHALT AT ALL DRIVEWAY CONNECTIONS.
 - THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF ALL EXISTING UTILITIES (ABOVE AND BELOW GROUND) AS SHOWN ON THESE PLANS ARE APPROXIMATE AND WERE LOCATED BASED ON EITHER VISUAL OBSERVATIONS AT THE SITE, EXISTING SURVEYS, AND/OR FROM UTILITY OWNERS. THE OWNER DOES NOT GUARANTEE THAT EXISTING UTILITY LOCATIONS ARE EXACT. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE THE EXACT LOCATIONS OF EXISTING UTILITIES (ABOVE AND BELOW GROUND) BEFORE BEGINNING ANY CONSTRUCTION. THE CONTRACTOR SHALL CALL APPROPRIATE UTILITY COMPANIES AND THE UTILITIES PROTECTION CENTER AT LEAST 72 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATIONS OF UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO NOTIFY OWNER AND/OR ENGINEER OF ANY UTILITY CONFLICTS WITH THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS.
 - ALL CUT OR FILL SLOPES SHALL BE 4:1 OR FLATTER UNLESS OTHERWISE NOTED.
 - EXISTING DRAINAGE STRUCTURES TO BE INSPECTED AND REPAIRED AS NEEDED, AND EXISTING PIPES TO BE CLEANED OUT TO REMOVE ALL SILTS AND DEBRIS.
 - IF ANY EXISTING STRUCTURES TO REMAIN ARE DAMAGED DURING CONSTRUCTION IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO REPAIR AND/OR REPLACE THE EXISTING STRUCTURE AS NECESSARY TO RETURN IT TO EXISTING CONDITIONS OR BETTER.
 - ALL STORM PIPE ENTERING STRUCTURES SHALL BE GROUTED TO ASSURE CONNECTION AT STRUCTURE IS WATERTIGHT.
 - ALL STORM SEWER MANHOLES IN PAVED AREAS SHALL BE FLUSH WITH PAVEMENT, AND SHALL HAVE TRAFFIC BEARING RING AND COVERS. MANHOLES IN UNPAVED AREAS SHALL BE 6" ABOVE FINISH GRADE. LIDS SHALL BE LABELED "STORM SEWER".
 - THE CONTRACTOR SHALL ADHERE TO ALL TERMS AND CONDITIONS AS OUTLINES IN THE GENERAL N.P.D.E.S. PERMIT FOR STORMWATER DISCHARGE ASSOCIATED WITH CONSTRUCTION ACTIVITIES.
 - CONTRACTOR SHALL ASSURE POSITIVE DRAINAGE AWAY FROM BUILDING AND FOR ALL NATURAL AND PAVED AREAS.
 - ALL UNSURFACED AREAS DISTURBED BY GRADING OPERATION SHALL RECEIVE 4 INCHES OF TOPSOIL. CONTRACTOR SHALL GRASS DISTURBED AREAS IN ACCORDANCE WITH CITY/COUNTY SPECIFICATIONS UNTIL HEALTHY STAND OF GRASS IS OBTAINED.
 - CONSTRUCTION SHALL COMPLY WITH ALL APPLICABLE GOVERNING CODES AND BE CONSTRUCTED TO SAME.
 - CONTRACTOR TO REVIEW GEOTECHNICAL REPORT PROVIDED BY THE OWNER.
 - CONTRACTOR TO PROVIDE AS-BUILTS OF ALL IMPROVEMENTS TO THE SITE PERFORMED BY A LICENSED SURVEYOR IN THE STATE OF FLORIDA. AS-BUILTS TO INCLUDE HORIZONTAL AND VERTICAL LOCATIONS OF ALL UNDERGROUND UTILITIES INCLUDING, BUT NOT LIMITED TO, PIPES, FITTINGS, STRUCTURES, AND OTHER APPURTENANCES. ELEVATIONS OF PIPES AT CROSSING POINTS MUST BE SUFFICIENT TO IDENTIFY MINIMUM SEPARATION OF UTILITIES AS DEFINED BY F.A.C. RULE 62-555.314. IN ADDITION TO THE FOREMENTIONED CRITERIA AS-BUILTS MUST MEET ALL LOCAL AND JURISDICTIONAL REQUIREMENTS FOR CERTIFICATION OF CONSTRUCTION.
 - THE TOP OF THE SKIMMER ELEVATION TO BE HIGHER THAN THE 25-YEAR DHW OR THE TOP OF THE GRATE STRUCTURE IF HIGHER. THE VERTICAL SPACE BETWEEN THE CONCRETE PAD AND THE BOTTOM OF THE SKIMMER SHOULD NOT RESULT IN AN OPEN SPACE AREA SMALLER THAN THE STRUCTURES WEIR OPENING.



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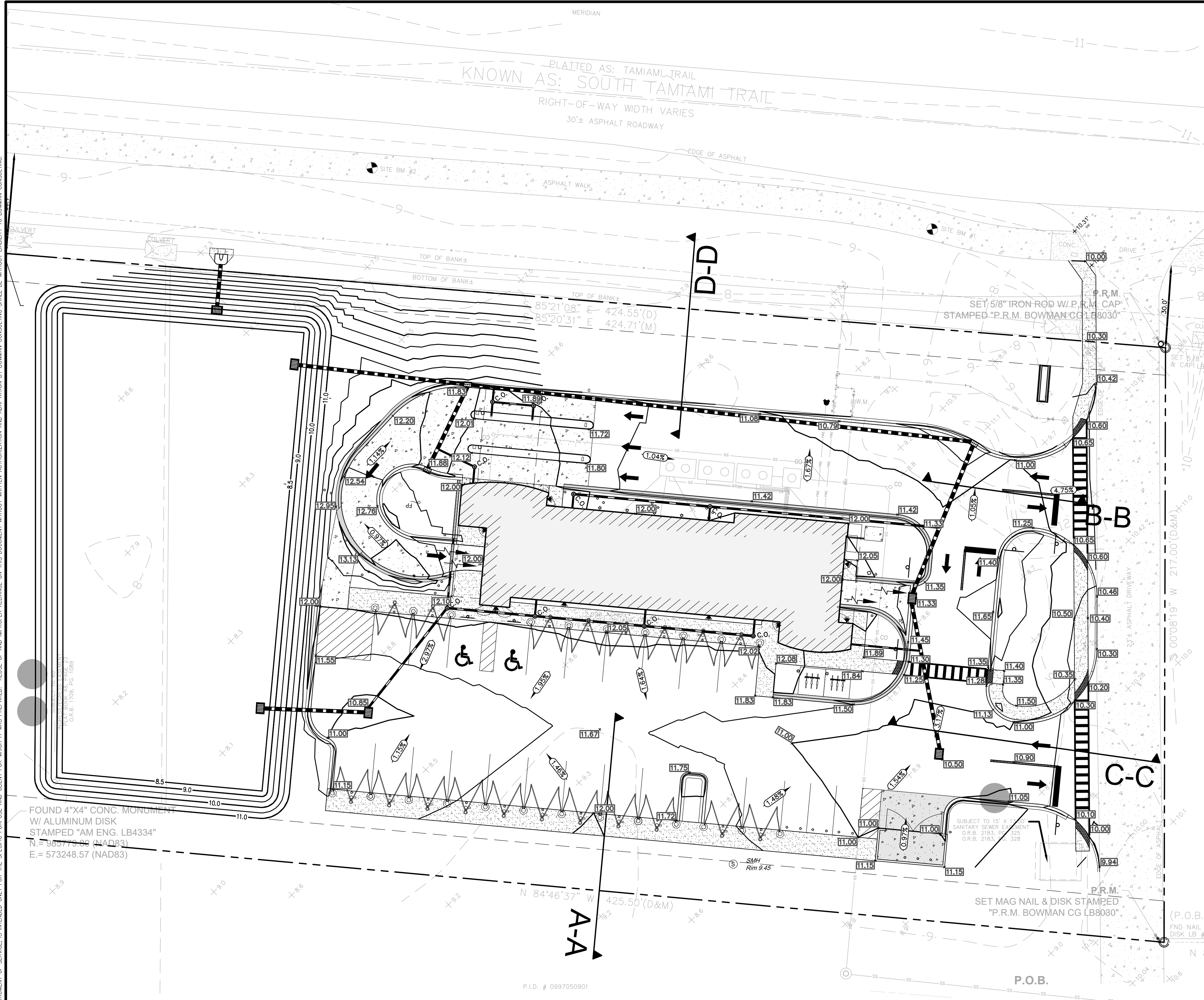
PAVING AND DRAINAGE
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CITY OF NORTH PORT
SARASOTA COUNTY



ZACHARY D. KONINIOS
LICENSE NO. 88711
08/02/2023
PLAN STATUS

DATE	DESCRIPTION	
ALW	ELC	KS
DESIGN	DRAWN	CHKD
SCALE	1" = 20'	
JOB No.	011239-01-001	
DATE	08/02/2023	
011239-01-01-001-06-C2.0-PDP.DWG		
C2.0		
SHEET		

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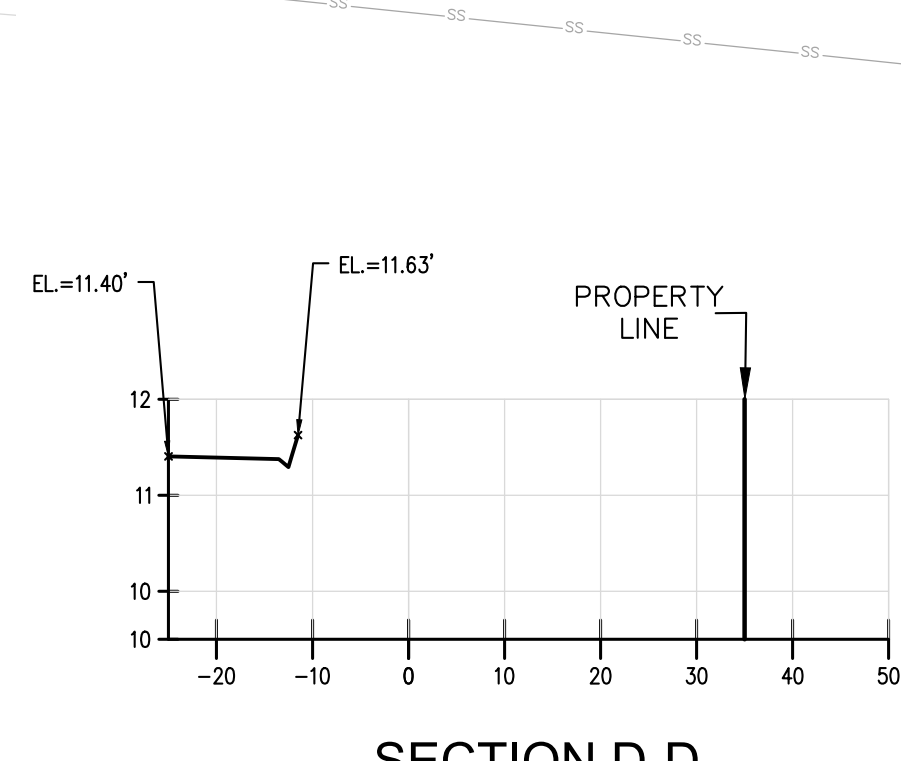
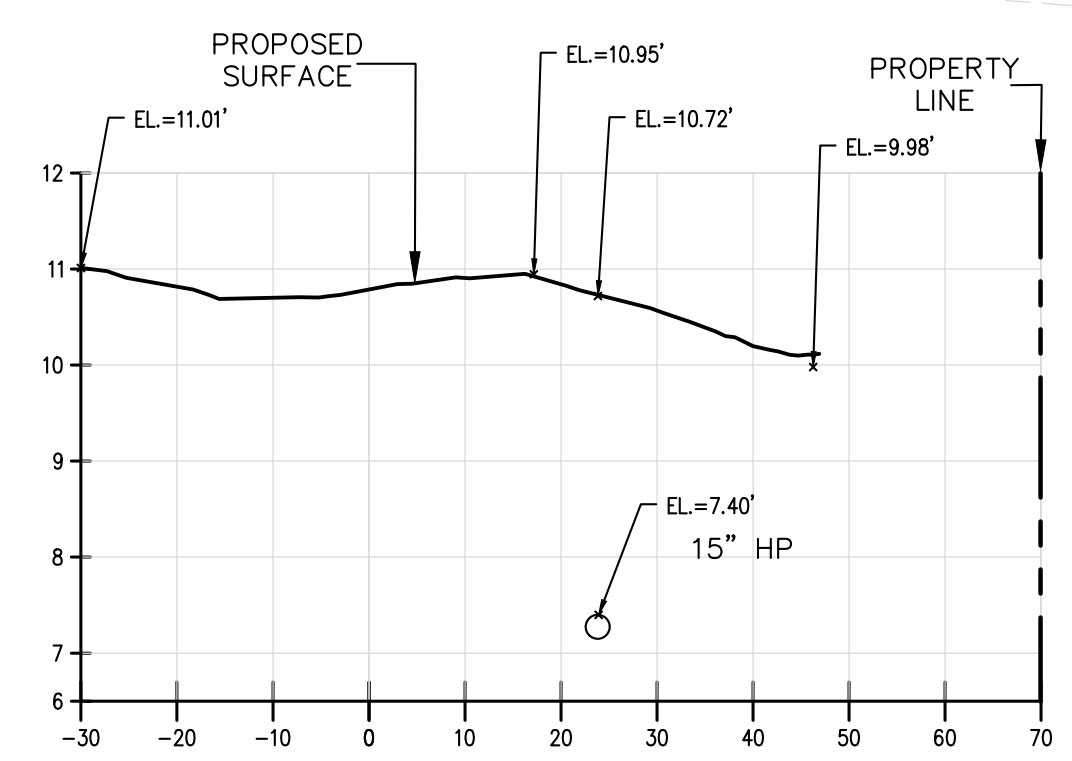
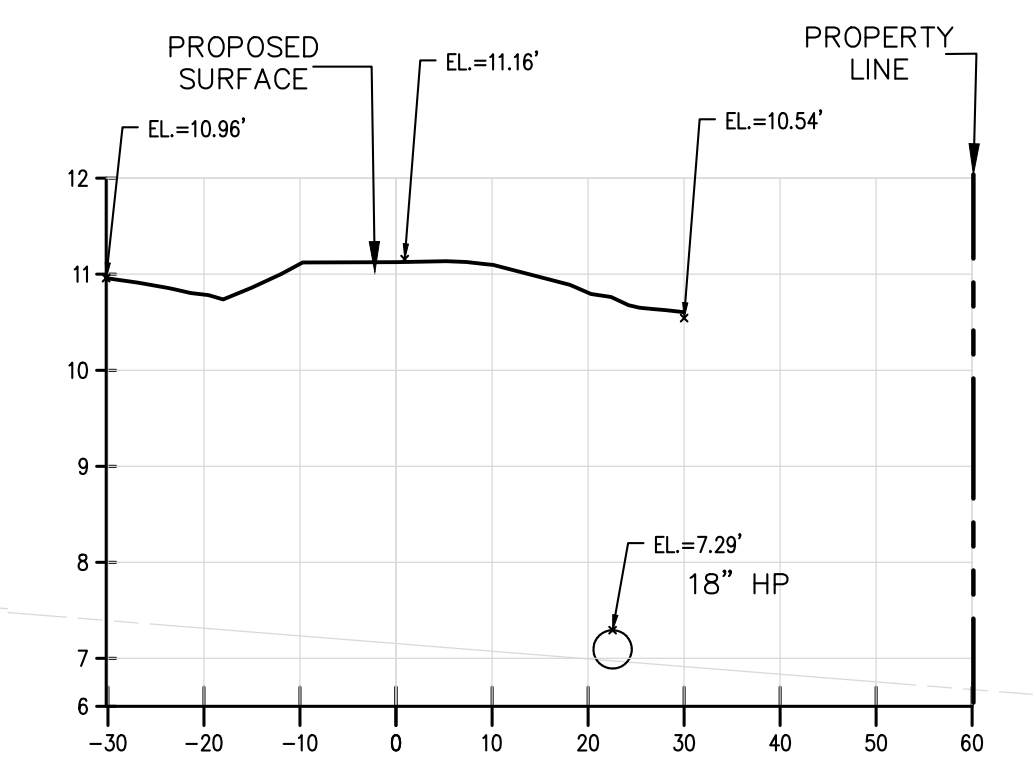
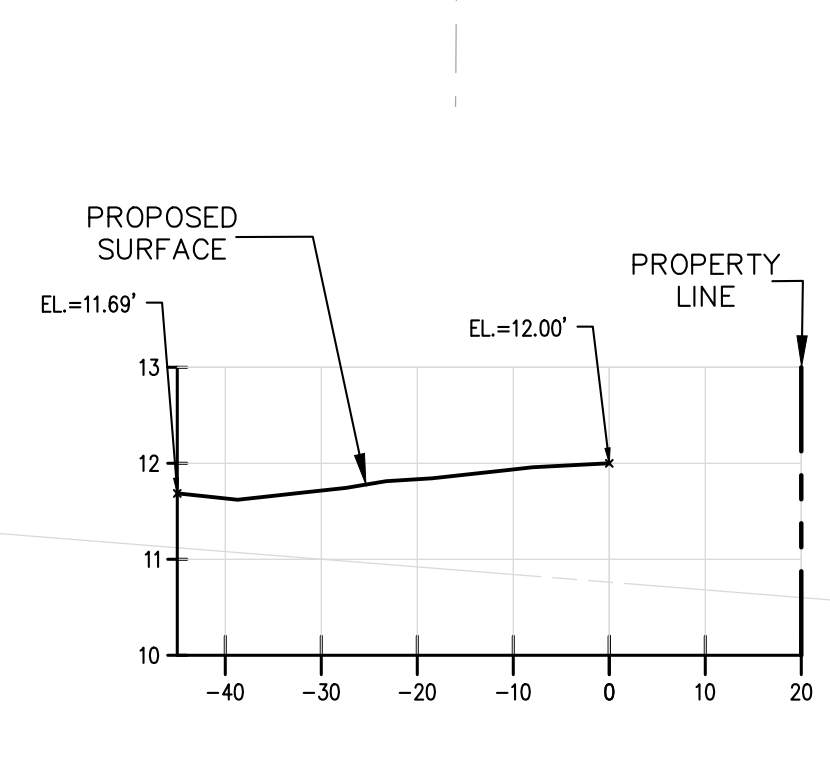
1. ALL ELEVATIONS ARE BASED ON NAVD83.
2. SAWCUT AND REPAIR EXISTING ASPHALT AT ALL DRIVEWAY CONNECTIONS.
3. SEE SHEET 04 FOR STORM DRAIN PROFILES AND CROSS SECTIONS.
4. CONTRACTOR IS RESPONSIBLE FOR DEMOLITION OF EXISTING STRUCTURES INCLUDING REMOVAL OF ANY EXISTING UTILITIES SERVING THE STRUCTURE. UTILITIES ARE TO BE REMOVED TO THE RIGHT-OF-WAY AND CAPPED.
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14. CONSTRUCTION SHALL COMPLY WITH ALL APPLICABLE GOVERNING CODES AND BE CONSTRUCTED TO SAME.
15. CONTRACTOR TO REVIEW GEOTECHNICAL REPORT PROVIDED BY TOMMY'S CARWASH.
16. DAMAGES TO LOOPS OR ANY SIGNAL EQUIPMENT CAUSED BY CONSTRUCTION OF THIS PROJECT MUST BE REPAIRED OR REPLACED TO ORIGINAL OR BETTER CONDITION AT NO COST TO THE CITY OF NORTH PORT, SARASOTA COUNTY, OR FDOT.
17. ALL PROPOSED SPOT ELEVATIONS ARE TO EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.
18. NO CARWASH WATER CAN ENTER THE STORMWATER SYSTEM.

PROPOSED LEGEND

- PROPERTY LINE
- CURBING
- HP --- HP --- HP --- HIGH POINT
- FL --- FL --- FL --- FLOW LINE
- XX.XX PROPOSED GRADE ELEVATION
- M.E. MATCH EXISTING
- TP=XX.XX TOP OF PAVEMENT
- TC=XX.XX TOP OF CURB
- B.O.W. BOTTOM OF WALL
- XX.XX PROPOSED GRADE ELEVATION
- EXISTING SPOT ELEVATION
- STORM CATCH BASIN
- STORM MANHOLE
- PROPOSED SLOPE
- PROPOSED CONTOURS
- PROPOSED STORM PIPE
- HEAVY DUTY CONCRETE PAVEMENT
- STANDARD DUTY ASPHALT PAVEMENT
- STANDARD DUTY CONCRETE PAVEMENT
- CONCRETE SIDEWALK

FOUND 4"x4" CONC. MONUMENT W/ ALUMINUM DISK STAMPED "AM ENG. LB4334" N= 963778.88 (NAD83) E= 573248.57 (NAD83)

SUBJECT TO 15' X 30' SANITARY SEWER EASEMENT O.R.B. 2153, 322 O.R.B. 2150, 328

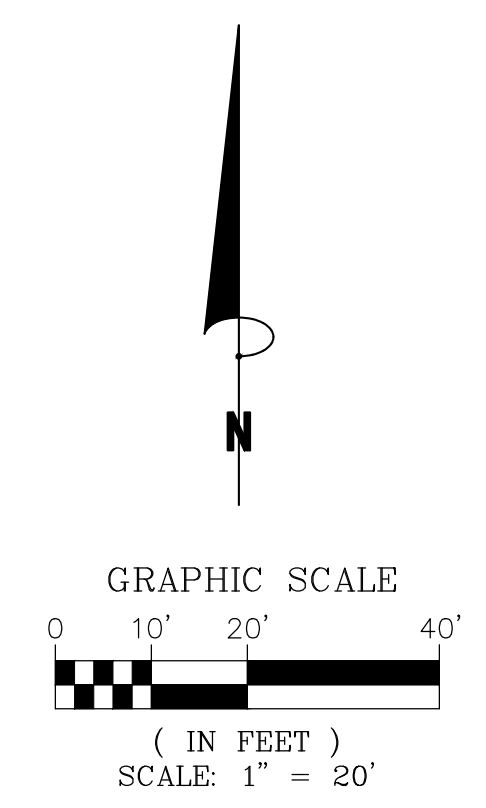


SECTION A-A
SCALE: 1"=20' HORIZ.
1"=1' VERT.

SECTION B-B
SCALE: 1"=20' HORIZ.
1"=1' VERT.

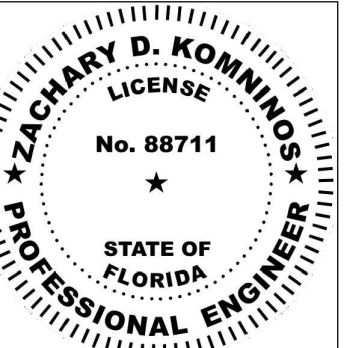
SECTION C-C
SCALE: 1"=20' HORIZ.
1"=1' VERT.

SECTION D-D
SCALE: 1"=20' HORIZ.
1"=1' VERT.



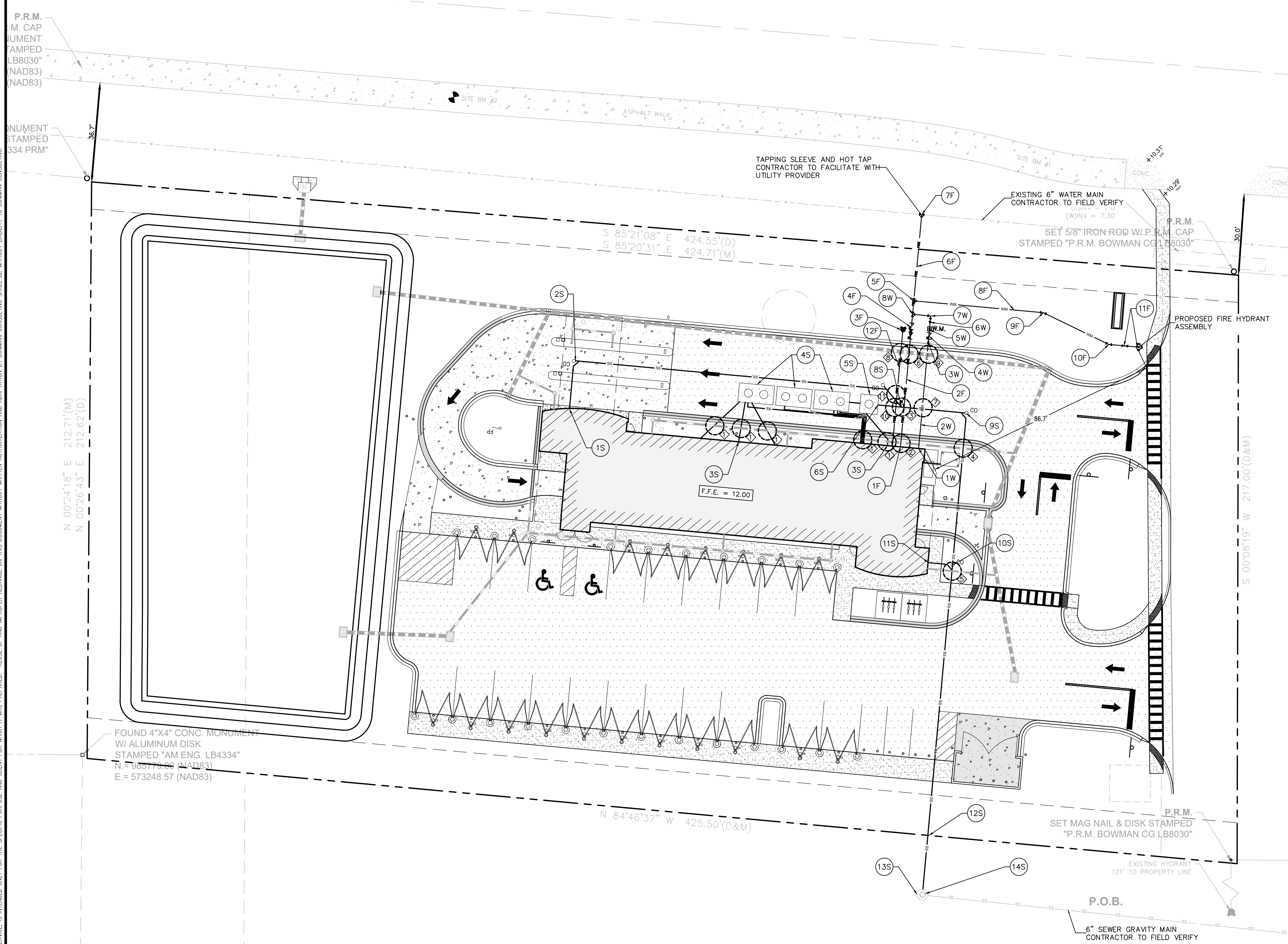
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CITY OF NORTH PORT
SARASOTA COUNTY



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LICENSE NO. 88711
08/02/2023
PLAN STATUS

DATE	DESCRIPTION
ALW DESIGN	ELC DRAWN
KS	CHKD
SCALE 1" = 20'	
JOB No. 011239-01-001	
DATE 08/02/2023	
011239-01-02-001-07-C3.0-GRP.DWG	
C3.0	
SHEET	



LEGEND - PROPOSED

- PROPERTY LINE
- WM PROPOSED WATER LINE
- SS PROPOSED SANITARY CONNECTION
- FM PROPOSED FORCEMAIN CONNECTION
- SITE LIGHTING
- PROPOSED CONFLICT
- FIRE EXISTING HYDRANT

UTILITY CONSTRUCTION NOTES:

- | | |
|--|--|
| <p>WATER SERVICE</p> <ul style="list-style-type: none"> 1W POTABLE WATER BUILDING CONNECTION 2W 21' LF OF 4" PVC WATER SERVICE 3W 4" x 2" REDUCER 4W 2" RPZ 5W 2" METER 6W 4" x 2" REDUCER 7W 4" x 4" BEND 8W 6" x 6" x 4" TEE 9W 6" x 6" x 4" TEE | <p>SANITARY SEWER</p> <ul style="list-style-type: none"> 15S BUILDING CONNECTION OUT @ INV. = 8; 18 LF 6" PVC @ 1.1% 25S 6" CLEANOUT @ INV. = 7.80 114 LF 6" PVC @ 1.1% 35S RECLAIM WATER CONNECTION 45S 2,000 GALLON RECLAIM WATER TANK REFER TO CARWASH PLANS 55S OIL/SAND SEPARATOR REFER TO CARWASH PLANS 65S SYSTEM OUT @ INV. 7.17 8LF OF 6" PVC @ 0.13% 75S 6" CLEANOUT @ INV. 6.54 10 LF 6" PVC @ 1.1% 85S 6" x 6" WYE @ INV. 6.15 56 LF 6" PVC @ 1.1% 95S 6" x 6" WYE @ INV. 6.15 56 LF 6" PVC @ 1.1% 105S 6" CLEANOUT @ INV. 5.54 97 LF 6" PVC @ 1.0% 115S BUILDING CONNECTION @ INV. 6.9 9 LF 6" PVC @ 5.1% 125S 6" CLEANOUT @ INV = 4.57 24 LF 6" PVC @ 1.7% 135S EXISTING SANITARY SEWER MANHOLE RIM = 9.53 INV (E) = 4.35 INV (W) = 4.25 145S 6" x 6" WYE @ INV. 4.23 |
|--|--|

- FIRE SERVICE**
- 1F FIRE PREVENTION BUILDING CONNECTION
 - 2F 54' LF AWWA C900/DR14"
 - 3F FDC
 - 4F DOUBLE DETECTOR CHECK VALVE
 - 5F 6" x 6" x 6" TEE
 - 6F 32' LF AWWA C900/DR14" FIRE PREVENTION SERVICE
 - 7F 6" x 6" x 6" TAP
 - 8F 86' LF 6" PVC FIRE PREVENTION SERVICE
 - 9F 6" 45° BEND
 - 10F 6" 45° BEND
 - 11F FIRE HYDRANT ASSEMBLY
 - 12F 42' OF AWWA C900/DR14" FIRE PREVENTION SERVICE

FIRE FLOW CALCULATIONS	
MINIMUM FIRE FLOW REQUIREMENTS (NFPA 1: TABLE 18.4.5.2.1)	
BUILDING CLASSIFICATION :	VB (000)
GROSS BUILDING AREA :	5,200 SF
FIRE FLOW REQUIRED :	2000 GPM
FIRE FLOW PROVIDED :	3000 GPM
EXISTING HYDRANTS :	1
PROPOSED HYDRANTS :	1
HYDRANTS PROVIDED :	2

PIPE CROSSING DATA	
1	STORMWATER OVER RECLAIM REFER TO PLUMBING PLAN
2	WATER OVER STORM CONTRACTOR TO MAINTAIN A MINIMUM SEPARATION OF 1" AND A MINIMUM COVER OF 30"
3	FIRE PREVENTION OVER SEWER CONTRACTOR TO MAINTAIN A MINIMUM SEPARATION OF 1" AND A MINIMUM COVER OF 30"
4	STORM OVER SEWER 6" PVC SEWER PIPE T.O.P. = 6.50' 8" HP STORM PIPE B.O.P. = 7.44' SEPERATION = 0.94'
5	STORM OVER SEWER 6" PVC SEWER PIPE T.O.P. = 6.00' 8" HP STORM PIPE B.O.P. = 7.86' SEPERATION = 1.86'
6	FIRE PREVENTION OVER STORM CONTRACTOR TO MAINTAIN A MINIMUM SEPARATION OF 1" AND A MINIMUM COVER OF 30"
7	WATER OVER SEWER CONTRACTOR TO MAINTAIN A MINIMUM SEPARATION OF 1" AND A MINIMUM COVER OF 30"
8	FIRE PREVENTION OVER STORM CONTRACTOR TO MAINTAIN A MINIMUM SEPARATION OF 1" AND A MINIMUM COVER OF 30"
9	WATER OVER STORM CONTRACTOR TO MAINTAIN A MINIMUM SEPARATION OF 1" AND A MINIMUM COVER OF 30"
10	FIRE PREVENTION OVER STORM CONTRACTOR TO MAINTAIN A MINIMUM SEPARATION OF 1" AND A MINIMUM COVER OF 30"
11	FIRE PREVENTION OVER STORM CONTRACTOR TO MAINTAIN A MINIMUM SEPARATION OF 1" AND A MINIMUM COVER OF 30"

NOTES:

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- CONSTRUCTION SHALL COMPLY WITH ALL APPLICABLE GOVERNING CODES AND BE CONSTRUCTED TO SAME.
- CONTRACTOR TO REVIEW GEOTECHNICAL REPORT PROVIDED BY TOMMY'S CARWASH.
- ALL UTILITIES TO MAINTAIN A MINIMUM 3' OF COVER.
- CONTRACTOR TO COORDINATE WITH POWER COMPANY TO MODIFY GUY SUPPORT AND HOLD POLE IN PLACE WHILE EXISTING 6" VCP SANITARY SERVICE IS CAPPED.
- CLEANOUT TO BE INSTALLED AS PER CONPUD DETAIL WW-09.
- APPLICANT TO SUBMIT UTILITIES CONSTRUCTION PERMIT APPLICATION AFTER THE APPROVAL OF THE BUILDING PERMIT.
- APPLICANT TO PAY ALL REQUIRED FEES AND RECEIVE APPROVED UTILITIES CONSTRUCTION PERMIT PRIOR TO START OF CONSTRUCTION, INCLUDING DEMOLITION.
- THE CITY OF SARASOTA UTILITIES DEPARTMENT (CONPUD) APPROVED MATERIALS CHECK LIST IS AVAILABLE ON THE CITY WEBSITE.
- APPLICANT MUST COMPLY WITH ALL REQUIRED STANDARDS.
- SUNSHINE11.COM SHOULD BE NOTIFIED PRIOR TO ANY EXCAVATION.
- ANY CONTRACTOR THAT DAMAGES ANY PORTION OF THE CITY'S POTABLE WATER AND WASTEWATER INFRASTRUCTURE SHALL BE TOTALLY FINANCIALLY RESPONSIBLE FOR THE REPAIR OF ANY SUCH DAMAGED INFRASTRUCTURE. ALL CONTRACTORS PROPOSING TO WORK DIRECTLY ON OR IN CLOSE PROXIMITY OF ANY PORTION OF THE CITY'S POTABLE WATER, WASTEWATER, AND/OR RECLAIMED WATER INFRASTRUCTURE SHALL HAVE THE APPROPRIATE REPAIR MATERIALS (PIPE, FITTINGS, ETC.), TOOLS, AND QUALIFIED STAFF AVAILABLE ON SITE IN ORDER TO PERFORM IMMEDIATE REPAIRS SHOULD DAMAGE TO SUCH INFRASTRUCTURE OCCUR. IF THE REPAIR IS NOT MADE IN A TIMELY MANNER, AS DETERMINED BY CONPUD, CONPUD MAY PERFORM REQUIRED REPAIRS AND CLEANUP. THE CONTRACTOR WILL BE CHARGED FOR ALL EXPENSES ASSOCIATED WITH REPAIRS. THE CITY OF NORTH PORT UTILITIES DEPARTMENT (CONPUD), (941) 263-6200, SHALL BE NOTIFIED BY THE CONTRACTOR FOR PIPE EMERGENCIES.
- CONPUD SHALL BE NOTIFIED AT LEAST FIVE (5) DAYS PRIOR TO ANY CONSTRUCTION ACTIVITY WITHIN PROXIMITY OF ITS FACILITIES.
- ALL NEW VALVES SHALL OPERATE CITY OWNED WATER, WASTEWATER, AND RECLAIMED WATER VALVES. THE CONTRACTOR SHALL COORDINATE VALVE OPERATION WITH CONPUD.
- ALL NEW CONPUD BEING INSTALLED SHALL REMAIN CLOSED DURING CONSTRUCTION. VALVES ON ALL WET TAPS SHALL REMAIN CLOSED UNTIL CLEARED BY FDEP/FDOR AND CONPUD.

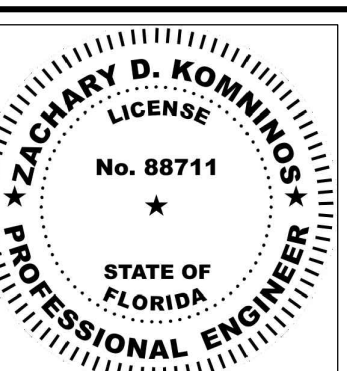
FIRE NOTES

- PER § 60-5 OF THE CITY OF NORTH PORT'S UNIFIED LAND DEVELOPMENT CODE (ULDC), FIRE SPRINKLER SYSTEMS SHALL BE PROVIDED IN NEWLY ERRECTED COMMERCIAL AND INDUSTRIAL SUBDIVISIONS. EACH SHALL BE DESIGNED AND CONSTRUCTED WITH A COMPLETE FIRE SPRINKLER SYSTEM IN ACCORDANCE WITH NFPA 13, STANDARD FOR THE INSTALLATION OF SPRINKLER SYSTEMS, 2016 EDITION.
- ALL SPRINKLER RISERS AND FIRE ALARM PANELS MUST BE PLACED ON THE INTERIOR OF THE STRUCTURE TO PROVIDE AN ENVIRONMENT PROTECTED FROM THE FLORIDA CLIMATE AS OUTLINED IN § 60-13 OF THE CITY OF NORTH PORT'S UNIFIED LAND DEVELOPMENT CODE (ULDC) AND CHAPTER 10 OF NFPA 72 - NATIONAL FIRE ALARM AND SIGNALING CODE, 2016 EDITION.
- PER § 60-7 (B) OF THE CITY OF NORTH PORT'S UNIFIED LAND DEVELOPMENT CODE (ULDC), THE FIRE LINE TO THE BUILDING SHALL EXTEND TO ONE FOOT ABOVE FINISHED FLOOR (10' AFF) OR ONE FOOT ABOVE FINISHED GRADE (1' AFG) INTERIOR OF THE BUILDING. THIS REQUIREMENT SHALL BE CALLED OUT ON ALL CIVIL DRAWINGS FOR REFERENCE.
- HYDRANT AND FIRE DEPARTMENT CONNECTION (FDC) LOCATIONS MUST MEET THE ULDC, CHAPTER 60-8 & 60-9; PLACEMENT OF HYDRANT FOR THE FDC MUST BE ON THE SAME SIDE OF STREET OR PLACE THE FDC ON THE SAME SIDE AS THE HYDRANT TO MEET THE REQUIREMENTS.
- PER § 60-13 OF THE ULDC, FIRE ALARMS ARE REQUIRED IN ALL NEW STRUCTURES AND SHALL BE ELECTRONICALLY MONITORED 24 HOURS A DAY BY A UL LISTED CENTRAL STATION AND INSTALLED IN ACCORDANCE WITH NFPA 72, NATIONAL FIRE ALARM AND SIGNALING CODE AND NFPA 70, NATIONAL ELECTRICAL CODE.
- ALL FDC'S SHALL BE YARD POST OR AFFIXED TO THE SYSTEM SIDE OF THE BACK-FLOW PREVENTER OR BE WALL MOUNTED, INSTALLED AT 18" MINIMUM AND 42" MAXIMUM HEIGHT FROM THE FINISHED GRADE AND PAINTED " FIRE ENGINE RED ". IT ALSO PROVIDES MINIMUM CLEARANCES AND MARKING REQUIREMENTS. PLANS DO NOT CALL OUT LOCATION TO MEET THIS REQUIREMENT.
- FIRE DEPARTMENT CONNECTION (FDC) SHALL BE LOCATED NO CLOSER THAN TWENTY-FIVE FEET (25') AND NO FURTHER THAN ONE HUNDRED FEET (100') FROM A FIRE HYDRANT AND MEET THE REQUIREMENTS SET FORTH IN § 60-8 OF THE CITY OF NORTH PORT'S UNIFIED LAND DEVELOPMENT CODE (ULDC)
- FIRE HYDRANTS IN MULTI-FAMILY (THREE OR MORE ATTACHED UNITS), COMMERCIAL AND INDUSTRIAL SUBDIVISIONS SHALL BE SPACED NO MORE THAN 400' APART AND CAPABLE OF DELIVERING FIRE FLOWS AS OUTLINED IN WITH THE FLORIDA FIRE PREVENTION CODE, 7TH EDITION (NFPA-1 FIRE CODE, 2018 EDITION), § 1:18.4.5.3, TABLE 1:18.4.5.2.1 AND § 1:18.5. A SECOND HYDRANT SHALL BE REQUIRED TO MEET THIS REQUIREMENT - HYDRANT SHALL NOT BE THE SAME HYDRANT CALLED OUT TO THE DEDICATED FOR THE FDC.



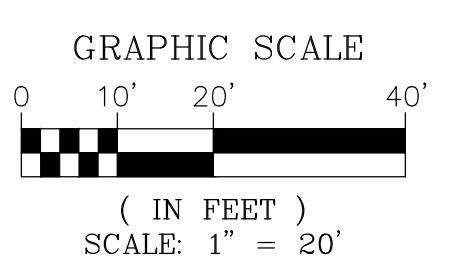
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UTILITY PLAN
TOMMY'S EXPRESS CAR WASH
13000 S. TAMiami TRAIL
NORTH PORT, FLORIDA, 34287
CITY OF NORTH PORT
SARASOTA COUNTY



ZACHARY D. KOMINIOS
LICENSE NO. 88711
08/02/2023

PLAN STATUS		
DATE	DESCRIPTION	
ALW	ELC	KS
DESIGN	DRAWN	CHKD
SCALE	1" = 20'	
JOB No.	011239-01-001	
DATE	08/02/2023	
011239-01-001-08-C4.0-UTL.DWG		
C4.0		
SHEET		



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GENERAL NOTES:

- NORTH PORT UTILITIES (NPU) STANDARD SPECIFICATIONS AND STANDARD DETAILS SHALL GOVERN ALL UTILITY WORK. UNDER CERTAIN CIRCUMSTANCES THE STANDARD SPECIFICATIONS AND/OR STANDARD DETAILS MAY BE MODIFIED BY THE SPECIAL PROVISION SECTION OF THE CONTRACT DOCUMENTS IN WHICH CASE THE SPECIAL PROVISIONS SHALL PREVAIL. WHEN A CONFLICT EXISTS AMONG THE REQUIREMENTS OF A REFERENCED MATERIAL OR INSTALLATION STANDARD, THE REQUIREMENTS OF NPU SHALL PREVAIL. WHERE THE REQUIREMENTS OF A STATE OR LOCAL AGENCY HAVING JURISDICTION ARE MORE STRINGENT, THOSE REQUIREMENTS SHALL PREVAIL.
- THE CONTRACTOR SHALL OBTAIN ALL REQUIRED CITY AND STATE PERMITS PRIOR TO COMMENCING WORK AND SHALL KEEP ONE COPY OF ALL ISSUED PERMITS AT THE SITE AT ALL TIMES DURING CONSTRUCTION.
- THE CONTRACTOR SHALL ASSURE COMPLIANCE WITH ANY OSHA, EPA, AND/OR OTHER FEDERAL OR STATE OF FLORIDA RULES, REGULATIONS, OR OTHER REQUIREMENTS, AS EACH MAY APPLY.
- THE CONTRACTOR SHALL HAVE AVAILABLE AT THE JOB SITE ONE CURRENT COPY OF NPU SPECIFICATIONS AND DESIGN DETAILS AND ONE COPY OF THE CONTRACT DOCUMENTS INCLUDING ENGINEERING DRAWINGS, SPECIFICATIONS, SPECIAL PROVISIONS, ETC. NO FIELD CHANGES OR DEVIATION FROM THE CONTRACT DOCUMENTS SHALL BE MADE BY THE CONTRACTOR WITHOUT PRIOR NPU WRITTEN APPROVAL.
- THE CONTRACTOR SHALL PROTECT EXISTING UTILITIES FROM DAMAGE. THE CONTRACTOR SHALL NOTIFY SUNSHINE 811 PRIOR TO START OF CONSTRUCTION. THE EXISTING UTILITIES SHOWN ON THE ENGINEERING DRAWINGS ARE FOR DESIGN PURPOSES ONLY. THE CONTRACTOR SHALL MARK LOCATIONS OF UTILITIES BY PAINTING AND/OR FLAGGING THE UTILITY ALIGNMENT. THE CONTRACTOR SHALL PERFORM EXPLORATORY EXCAVATIONS TO FIELD VERIFY THE LOCATION AND DEPTH OF ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL COMPLY WITH ALL LAWS AND ORDINANCES COVERING THE PROTECTION OF SUCH WORK AND THE SAFETY MEASURES TO BE EMPLOYED THEREIN.
- THE CONTRACTOR SHALL REVIEW THE SITE CONDITIONS PRIOR TO START OF CONSTRUCTION. THE CONTRACTOR SHALL BRING DISCREPANCIES TO THE ATTENTION OF THE ENGINEER PRIOR TO COMMENCING WORK.
- THE CONTRACTOR SHALL CONTACT THE APPLICABLE CITY DEPARTMENTS AND ALL OTHER UTILITY COMPANIES A MINIMUM OF 48 HOURS PRIOR TO START OF CONSTRUCTION.
- THE CONTRACTOR SHALL COORDINATE WITH NPU TO ENSURE ALL AFFECTED UTILITY CUSTOMERS ARE NOTIFIED 48 HOURS IN ADVANCE IF WATER AND/OR SEWER SERVICE WILL BE INTERRUPTED DURING CONSTRUCTION.
- IF EXISTING VALVES OR FITTINGS ARE NOT RESTRAINED PROPERLY, THE CONTRACTOR SHALL RESTRAIN EXISTING UTILITIES IN ACCORDANCE WITH NPU REQUIREMENTS AS APPROVED BY NPU.
- THE CONTRACTOR SHALL INSTALL INCIDENTAL FITTINGS REQUIRED TO RESOLVE CONFLICTS BETWEEN EXISTING AND PROPOSED UTILITIES AS DETERMINED IN THE FIELD UNLESS OTHERWISE SHOWN ON THE PLANS. ALL MATERIALS, EQUIPMENT, AND LABOR TO RESOLVE INCIDENTAL CONFLICTS SHALL BE PAID FOR AS PROVIDED FOR IN THE CONTRACT DOCUMENTS.


GENERAL NOTES
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- ALL VALVES SHALL BE INSTALLED OUTSIDE OF PAVEMENTS UNLESS OTHERWISE SPECIFICALLY SHOWN ON THE PLANS OR APPROVED BY NPU.
- THE CONTRACTOR SHALL INSTALL ALL OPEN TRENCH BURY PIPE IN AN UPRIGHT VERTICAL POSITION SO ALL LETTERING AND/OR STRIPING CAN BE READ FROM ABOVE. DIRECTIONAL BORE HDPE PIPE SHALL MEET THIS REQUIREMENT TO THE EXTENT POSSIBLE.
- THE CONTRACTOR SHALL PUSH HOME ALL SPIGOT ENDS OF PVC AND/OR DI PIPE INTO BELL ENDS WITHIN 1/2" OF THE MANUFACTURER'S INSERTION MARK. IF PIPE IS CUT, THE CONTRACTOR SHALL REPLACE AN INSERTION MARK FROM NEW END OF PIPE AS SHOWN ON THE ORIGINAL PIPE.
- ALL STAINLESS STEEL SHALL BE 316 AUSTENITIC, NON-MAGNETIC, UNLESS OTHERWISE APPROVED BY NPU.
- METALLIC WARNING TAPE MUST BE INSTALLED IN ACCORDANCE WITH NPU STANDARD DETAILS AND NPU STANDARD SPECIFICATIONS.

DUCTILE IRON EXTERNAL PROTECTIVE COATING

ALL EXPOSED DUCTILE IRON UTILITIES SHALL BE PAINTED AS FOLLOWS IN ACCORDANCE WITH NPU PAINTING SPECIFICATIONS:

TYPE	COLOR DESIGNATION*
POTABLE WATER LINES	BLUE (PANTONE 287)
POTABLE WATER VALVE CAPS	BLUE (PANTONE 287)
FIRE LINES	ANSI SAFETY RED (PANTONE 485)
FIRE LINE VALVE CAPS	ANSI SAFETY RED (PANTONE 485)
WASTEWATER LINES	ANSI SAFETY GREEN (PANTONE 341C)
WASTEWATER VALVE CAPS	ANSI SAFETY GREEN (PANTONE 341C)
RECLAIMED WATER LINES	PURPLE (PANTONE 522C)
RECLAIMED WATER VALVE CAP	PURPLE (PANTONE 522C)
FIRE HYDRANTS	SHERWIN-WILLIAMS SAFETY YELLOW #7543
FIRE HYDRANT VALVE CAPS	SHERWIN-WILLIAMS SAFETY YELLOW #7543

*EQUIVALENT COLORS MATCHING THESE COLORS ARE ACCEPTABLE. PROVIDE WITH SHOP DRAWING SUBMITTAL DIRECT COLOR COMPARISONS OF COLOR NUMBERS AVAILABLE FROM MANUFACTURER SUBMITTED.


GENERAL NOTES
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G-01
SHEET 3 OF 5

CONSTRUCTION IN STREETS AND ROAD RIGHT-OF-WAYS:

- OPEN ROAD CUTS REQUIRE PRIOR APPROVAL/PERMIT OF THE CITY, STATE, OR OTHER AGENCY HAVING JURISDICTION. CONSTRUCTION WITHIN THE FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) RIGHT-OF-WAY SHALL CONFORM TO FLORIDA DOT CONSTRUCTION STANDARDS.
- THE CONTRACTOR SHALL MAINTAIN PEDESTRIAN TRAFFIC AT THE JOB SITE DURING CONSTRUCTION IN ACCORDANCE WITH THE PERMIT AND SAFETY REQUIREMENTS FOR THE PROJECT. PROPER DETOUR SHALL BE PROVIDED AS NECESSARY.
- EXCAVATION SHALL BE CONDUCTED IN A MANNER TO CAUSE THE LEAST POSSIBLE INTERRUPTION TO TRAFFIC. WHERE TRAFFIC MUST CROSS EXCAVATIONS, THE CONTRACTOR SHALL PROVIDE SUITABLE BRIDGES AT STREET INTERSECTIONS AND DRIVEWAYS.
- NOT MORE THAN ONE BLOCK OF EXCAVATION SHALL BE OPEN PER CREW AT ANY ONE TIME, AND THIS DISTANCE SHALL BE REDUCED IF CONSTRUCTION CAUSES EXCESSIVE INTERFERENCE WITH TRAFFIC. EXCAVATED OR OTHER MATERIAL STORED ADJACENT TO OR PARTIALLY UPON A ROADWAY PAVEMENT SHALL BE ADEQUATELY MARKED FOR TRAFFIC AND PEDESTRIAN SAFETY AT ALL TIMES. ALL EXCAVATED AND/OR STORED MATERIAL SHALL BE REMOVED FROM THE PAVEMENTS AT THE END OF THE WORK DAY UNLESS OTHERWISE PROVIDED FOR IN THE CONTRACT DOCUMENTS.
- THE CONTRACTOR SHALL CARRY OUT THE WORK SO AS NOT TO DENY REASONABLE ACCESS TO PRIVATE PROPERTY. ALL ACCESS SHALL BE RESTORED AT THE END OF THE WORK DAY.
- ALL UTILITY ACCESS MANHOLES, VALVES, AND FIRE HYDRANTS AND MAIL BOXES SHALL BE ACCESSIBLE AT ALL TIMES DURING CONSTRUCTION.
- ROAD SURFACE RESTORATION SHALL BE PERFORMED IN ACCORDANCE WITH CITY, FDOT, OR OTHER AGENCY REQUIREMENTS.
- THE CONTRACTOR SHALL REPLACE ALL PAVEMENT MARKINGS DAMAGED DURING THE PROJECT.


GENERAL NOTES
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SHEET 3 OF 5

TRAFFIC REGULATIONS AND MAINTENANCE OF TRAFFIC:

- TRAFFIC CONTROL ON ALL CITY AND STATE HIGHWAY RIGHT-OF-WAYS SHALL COMPLY WITH THE REQUIREMENTS OF THE US DEPARTMENT OF TRANSPORTATION, FEDERAL HIGHWAY ADMINISTRATION, "MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES" AND REQUIREMENTS OF THE STATE AND/OR ANY OTHER LOCAL AGENCY HAVING JURISDICTION.
 - WORK AFFECTING TRAFFIC ON ANY CITY STREET, ROADWAY, RIGHT-OF-WAY, BIKE PATH, OR SIDEWALK REQUIRES THE PREPARATION AND SUBMITTAL OF MAINTENANCE OF TRAFFIC (MOT) PLAN BY THE CONTRACTOR TO NPU. THE MOT PLAN SHALL BE APPROVED BY THE PUBLIC WORKS ENGINEER OR HIS/HER DESIGNEE PRIOR TO THE START OF CONSTRUCTION.
 - WORK AFFECTING TRAFFIC ON ANY STATE ROAD OR HIGHWAY REQUIRES THE PREPARATION AND SUBMITTAL OF A MOT PLAN BY THE CONTRACTOR TO THE FDOT. THE MOT PLAN SHALL BE APPROVED BY THE FDOT PRIOR TO THE START OF CONSTRUCTION.
 - THE CONTRACTOR SHALL BE IN FULL COMPLIANCE WITH THE APPROVED MOT PLAN AT ALL TIMES.
 - THE CONTRACTOR SHALL FURNISH AND MAINTAIN ALL TRAFFIC CONTROL SIGNS AND DEVICES, BARRICADES, FLASHERS, ETC., IN WORKING CONDITION AT ALL TIMES.
 - ROAD CLOSURE WHETHER TEMPORARY ON A DAILY BASIS OR PERMANENTLY DURING CONSTRUCTION REQUIRES THE APPROVAL OF A DETOUR PLAN BY THE AGENCY OR AGENCIES HAVING JURISDICTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ALL TEMPORARY SIGNAGE WHEN THE ROADWAY IS TO BE CLOSED OR TRAFFIC DETOURED. WHEN ROAD CLOSURES ARE TEMPORARY ALL STREETS SHALL BE RE-OPENED TO TRAFFIC BY THE END OF THE WORK DAY AND ALL DETOUR SIGNS COVERED OR REMOVED. WHEN ROADS ARE PERMANENTLY CLOSED DURING CONSTRUCTION ACCESS MUST BE PROVIDED TO PROPERTIES LOCATED ON THE CLOSED ROAD AT THE END OF EACH WORK DAY AND ON WEEKENDS.
 - DURING NON-DAYLIGHT HOURS OR RESTRICTED VISIBILITY, THE CONTRACTOR SHALL PROPERLY ILLUMINATE THE WORK BY THE INSTALLATION AND MAINTENANCE OF SUITABLE LIGHTS OR FLARES ESPECIALLY ALONG OR ACROSS THOROUGHFARES.
- ENVIRONMENTAL REQUIREMENTS:**
- THE CONTRACTOR SHALL FOLLOW FDEP'S NPDES STORMWATER PROGRAM FOR THE USE OF BEST MANAGEMENT PRACTICES (BMP'S) TO MINIMIZE EROSION AND SEDIMENTATION AND TO PROPERLY MANAGE RUNOFF. IF NECESSARY, THE CONTRACTOR WILL BE RESPONSIBLE TO OBTAIN NECESSARY PERMITS AND MAINTAIN A STORMWATER POLLUTION PREVENTION PLAN.
 - PRIOR TO THE START AND DURING CONSTRUCTION ACTIVITIES, FOR AREAS WITHIN AND ADJOINING THE LIMITS OF CONSTRUCTION, THE CONTRACTOR SHALL PROVIDE PROTECTION BARRICADES/SILT FENCES/ADEQUATE MEASURES IN ACCORDANCE WITH CITY, COUNTY, AND STATE REQUIREMENTS FOR ALL DESIGNATED TREES/PLANTS TO BE PROTECTED, WETLANDS, THREATENED AND/OR ENDANGERED SPECIES, ETC.


GENERAL NOTES
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TOMMY'S EXPRESS CAR WASH
 13000 S. TAMiami TRAIL
 NORTH PORT, FLORIDA, 34287
 CITY OF NORTH PORT
 SARASOTA COUNTY

BEDDING, BACKFILL, AND COMPACTION:

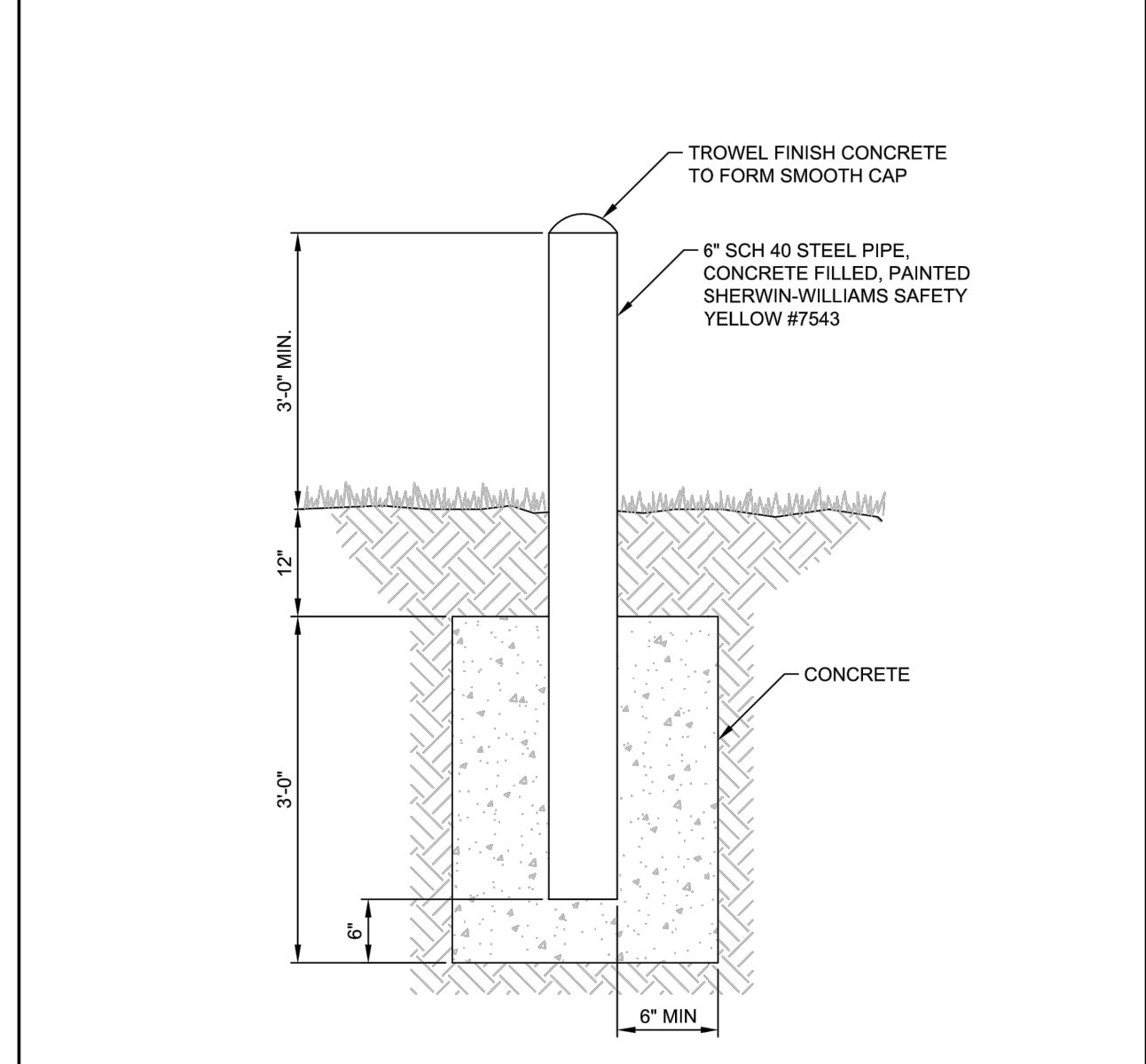
- ALL PIPES AND BEDDING MATERIAL SHALL BE NEW MATERIAL UNLESS OTHERWISE APPROVED BY NPU.
- BEDDING AND BACKFILL MATERIALS SHALL BE IN ACCORDANCE WITH NPU TECHNICAL SPECIFICATIONS 311020 AND 311030.
- BACKFILLING OF TRENCHES SHALL NOT BE ALLOWED UNTIL THE WORK HAS BEEN APPROVED BY NPU. WORK BACKFILLED OR CONCEALED WITHOUT THE KNOWLEDGE OF NPU SHALL BE UNCOVERED OR EXPOSED FOR INSPECTION AT NO COST TO THE OWNER.
- READY-MIX FLOWABLE FILL OR CONTROLLED LOW STRENGTH MATERIAL (CLSM) MAY BE SUBSTITUTED AS AN ALTERNATIVE TO COMPACTED SOIL WITH THE APPROVAL OF NPU OR WHERE SHOWN ON THE PLANS. APPLICATIONS FOR THE MATERIAL INCLUDE BEDDINGS, ENCASEMENTS, CLOSURES FOR TANKS AND PIPES, AND GENERAL BACKFILL APPLICATIONS FOR TRENCHES AND ABUTMENTS. FLOWABLE FILL SHALL BE DESIGNED TO BE EXCAVATED AND PUMPED FOR APPLICATIONS WHERE STRENGTH IS MORE IMPORTANT THAN EXCAVABILITY. IF FLOWABLE FILL IS SPECIFIED, ULTIMATE COMPRESSIVE STRENGTH SHALL BE LESS THAN 200 PSI AT 28 DAYS. FLOWABLE FILL IS NOT ACCEPTABLE FOR USE AS BACKFILL UNDER PAVEMENT, SIDEWALKS, OR OTHER HARD SURFACES UNLESS OTHERWISE APPROVED IN WRITING BY THE AUTHORITY WITH JURISDICTION.
- THE CONTRACTOR SHALL COMPACT ALL PORTIONS OF A TRENCH WITHIN 7.5 FEET OF EDGE OF PAVEMENT TO 98% DENSITY, FLORIDA METHOD 1-T 180, AND 95% FOR OTHER AREAS WITHIN THE RIGHT OF WAY. IF MORE STRINGENT COMPACTION REQUIREMENTS ARE SHOWN ON THE PLANS OR IN THE TECHNICAL SPECIFICATIONS, THEY SHALL PREVAIL.
- COMPACTION OF BACKFILL MATERIAL UNDER PAVEMENT, SIDEWALKS, OR OTHER HARD SURFACES SHALL BE IN CONFORMANCE WITH THE REQUIREMENTS OF THE AUTHORITY HAVING JURISDICTION.
- DENSITY TESTS SHALL BE PERFORMED FOR EACH 6-INCH LIFT AT A MINIMUM OF ONE TEST PER 200 FEET OF TRENCH.
- ALL WELL POINT HOLES UNDER PARKING, DRIVING, OR ROADWAY SURFACES SHALL BE BACKFILLED WITH CONCRETE IMMEDIATELY AFTER PULLING THE WELL POINTS. ALL OTHER WELL POINT HOLES SHALL BE BACKFILLED WITH FDOT NO. 99 STONE IMMEDIATELY AFTER REMOVING THE WELL POINTS UNLESS SPECIFIED OR DIRECTED TO DO OTHERWISE BY NPU.

MATERIALS AND METHODS OF CONSTRUCTION:

ALL MATERIALS AND CONSTRUCTION METHODS USED IN THE CONSTRUCTION OF NPU'S UTILITIES INCLUDING BUT NOT LIMITED TO PIPING, VALVES, FITTINGS, RESTRAINTS, FIRE HYDRANTS, BLOW-OFFS, GRAVITY SEWER MAINS, MANHOLES, LIFT STATIONS, WATER AND SEWER SERVICES AND ALL ASSOCIATED APPURTENANCES SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF NPU'S STANDARD DETAILS UNLESS OTHERWISE NOTED IN THE CONTRACT DOCUMENTS.

- RESTORATION:**
- THE CONTRACTOR SHALL RESTORE ALL DISTURBED OR DAMAGED AREAS TO THE SAME OR BETTER CONDITION THAN THAT PRIOR TO THE START OF CONSTRUCTION.
 - ALL AREAS IN EXISTING RIGHT-OF-WAYS DISTURBED BY CONSTRUCTION SHALL BE RESTORED TO EQUAL OR BETTER THAN THE ORIGINAL CONDITION AND GROUND COVER TO THE SATISFACTION OF THE LOCAL OR STATE AGENCY HAVING JURISDICTION.
 - ALL DISTURBED SWALE OR CANAL GRADES SHALL BE RESTORED TO THE GRADES AND ELEVATIONS THAT EXISTED PRIOR TO DISTURBANCE UNLESS OTHERWISE SPECIFIED ON THE PLANS OR IN THE TECHNICAL SPECIFICATIONS.

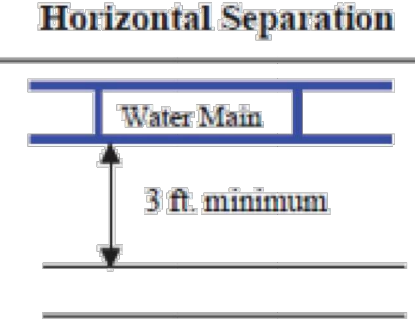
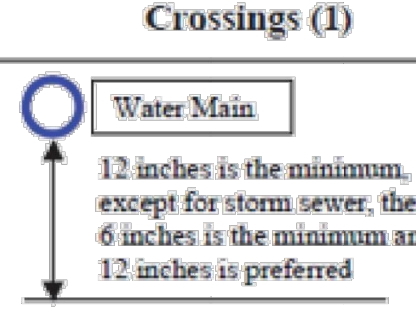
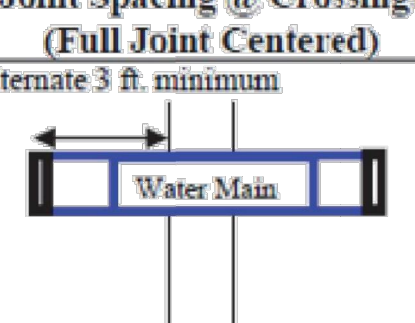
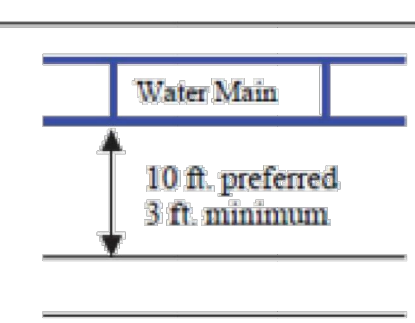
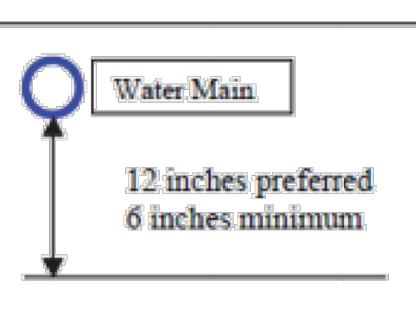
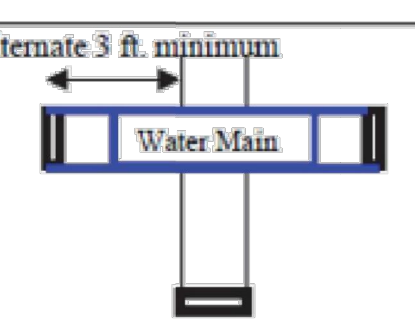
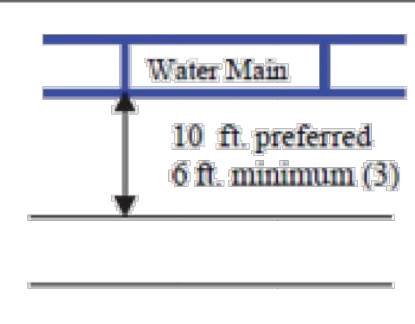
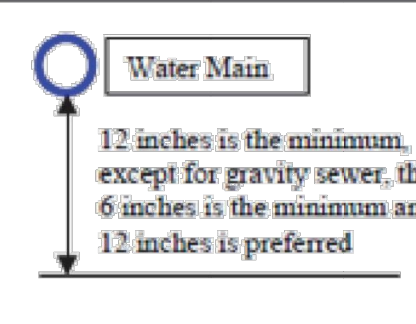
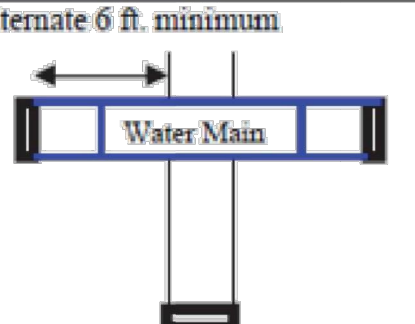

GENERAL NOTES
NOTES
G-01
SHEET 5 OF 5



- NOTES:**
- CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 2,500 PSI AT 28 DAYS.
 - SITE LOCATION AND THE INSTALLATION TO BE PROTECTED, MAY REQUIRE A LARGER DIAMETER PIPE AND CONCRETE ANCHOR.

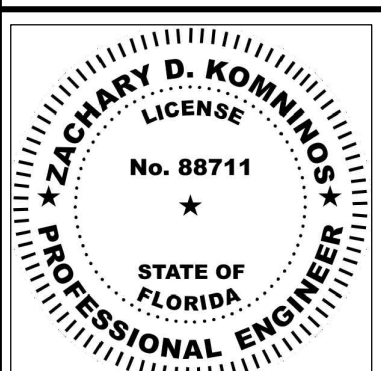

TYPICAL BOLLARD
DETAIL
G-05
SHEET 1 OF 1

general details.dwg Aug-2020
 North Port Florida
MAIN SEPARATION
 DETAIL
G-06
 SHEET 1 OF 1

Other Pipe	Horizontal Separation	Crossings (1)	Joint Spacing @ Crossings (Full Joint Centered)
Storm Sewer, Stormwater Force Main, Reclaimed Water (2)			Alternate 3 ft minimum 
Vacuum Sanitary Sewer			Alternate 3 ft minimum 
Gravity or Pressure Sanitary Sewer, Sanitary Sewer Force Main, Reclaimed Water (4)			Alternate 6 ft minimum 
On-Site Sewage Treatment & Disposal System	10 ft. minimum	---	---

- Water main should cross above other pipe. When water main must be below other pipe, the minimum separation is 12 inches.
- Reclaimed water regulated under Part III of Chapter 62-610, F.A.C.
- 3 ft. for gravity sanitary sewer where the bottom of the water main is laid at least 6 inches above the top of the gravity sanitary sewer.
- Reclaimed water not regulated under Part III of Chapter 62-610, F.A.C.

Disclaimer - This document is provided for your convenience only. Please refer to F.A.C. Rule 62-655.314 for additional construction requirements.

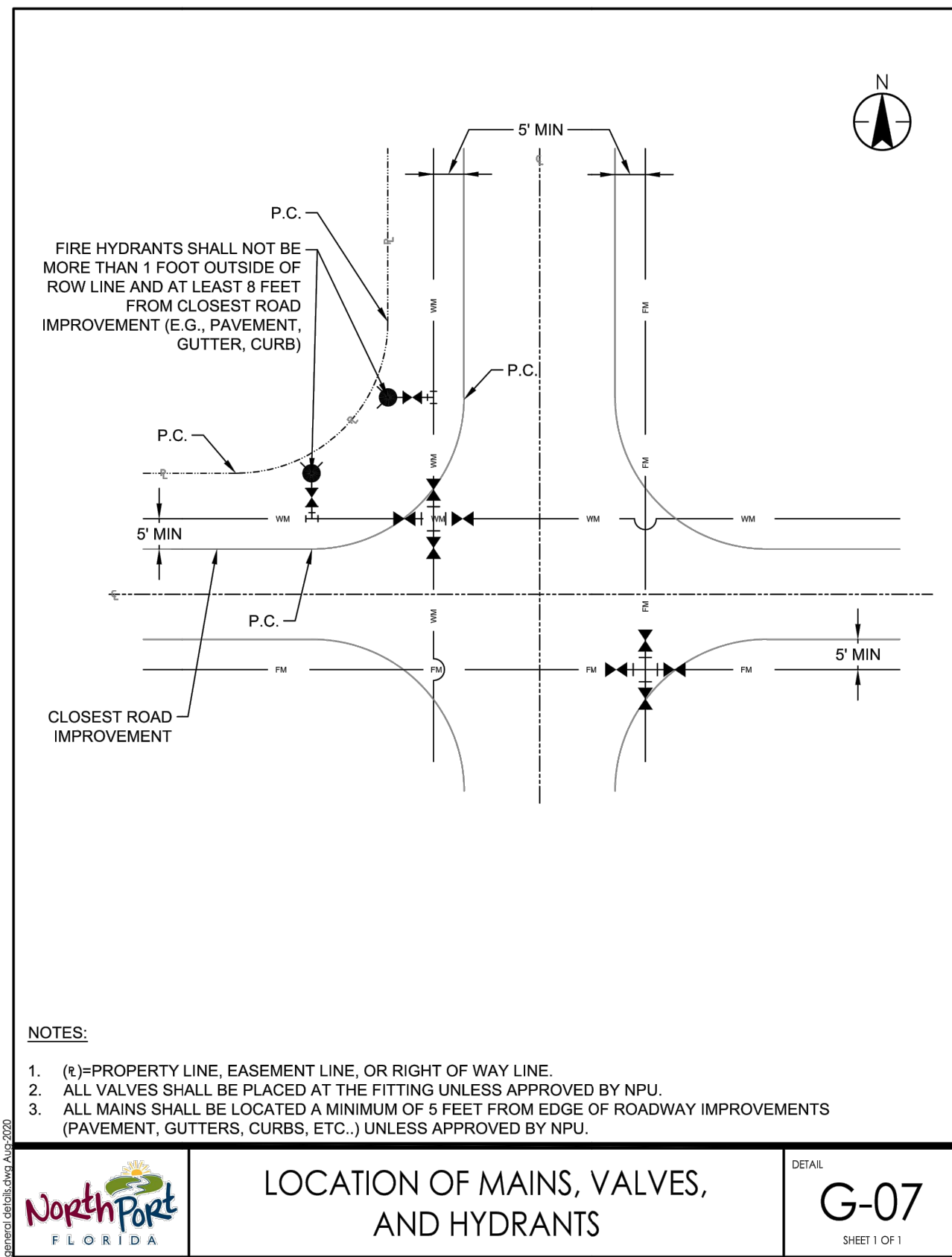


ZACHARY D. KOMINIOS
 LICENSE NO. 88711
 08/02/2023
 PLAN STATUS

DATE	DESCRIPTION	
ALW	ELC	KS
DESIGN	DRAWN	CHKD
SCALE	NONE	
JOB No.	011239-01-001	
DATE	08/02/2023	
011239-01-D-CP-001-09-01.0-DET.DWG		

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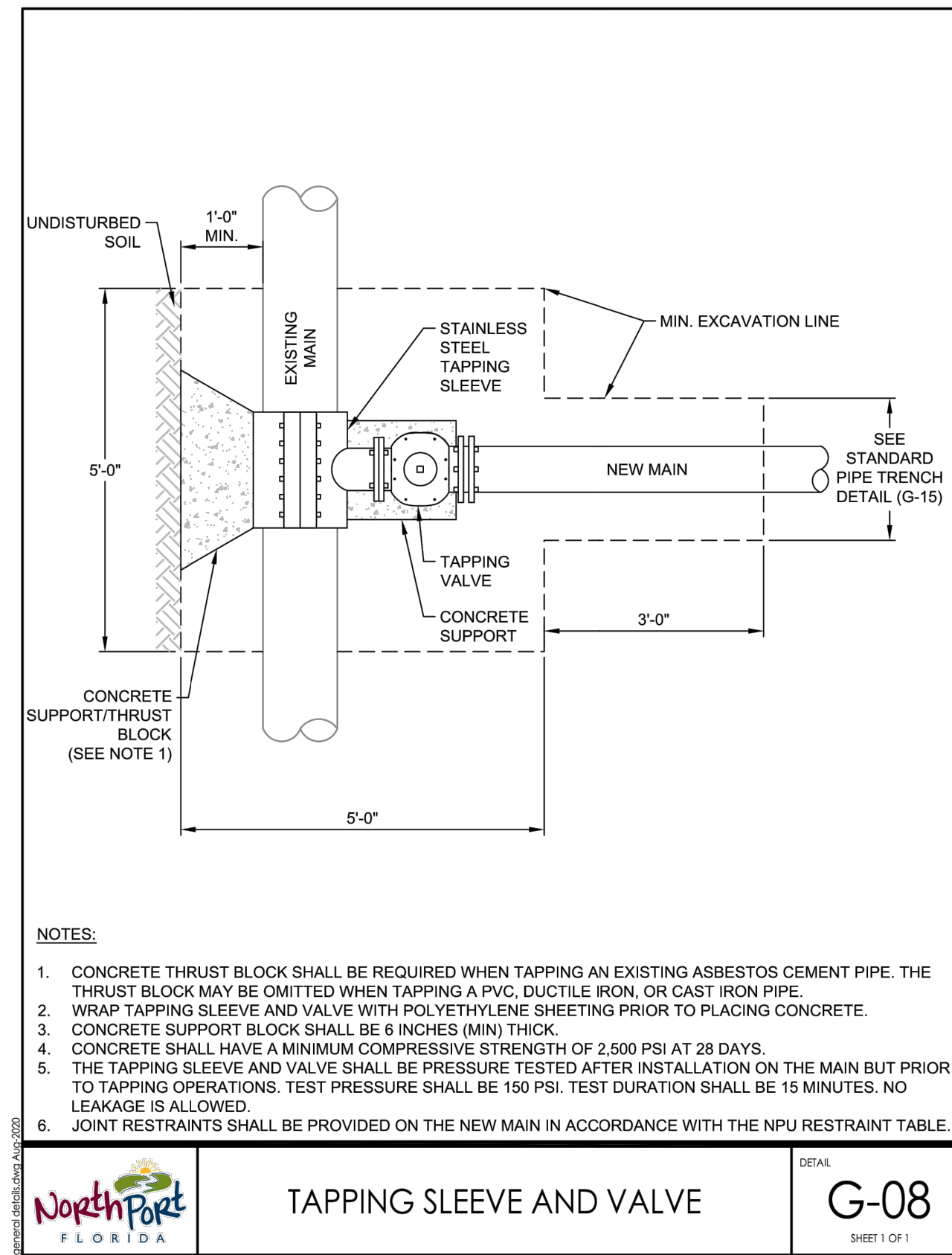


NOTES:

- (*) PROPERTY LINE, EASEMENT LINE, OR RIGHT OF WAY LINE.
- ALL VALVES SHALL BE PLACED AT THE FITTING UNLESS APPROVED BY NPU.
- ALL MAINS SHALL BE LOCATED A MINIMUM OF 5 FEET FROM EDGE OF ROADWAY IMPROVEMENTS (PAVEMENT, GUTTERS, CURBS, ETC.) UNLESS APPROVED BY NPU.

LOCATION OF MAINS, VALVES, AND HYDRANTS

G-07
SHEET 1 OF 1

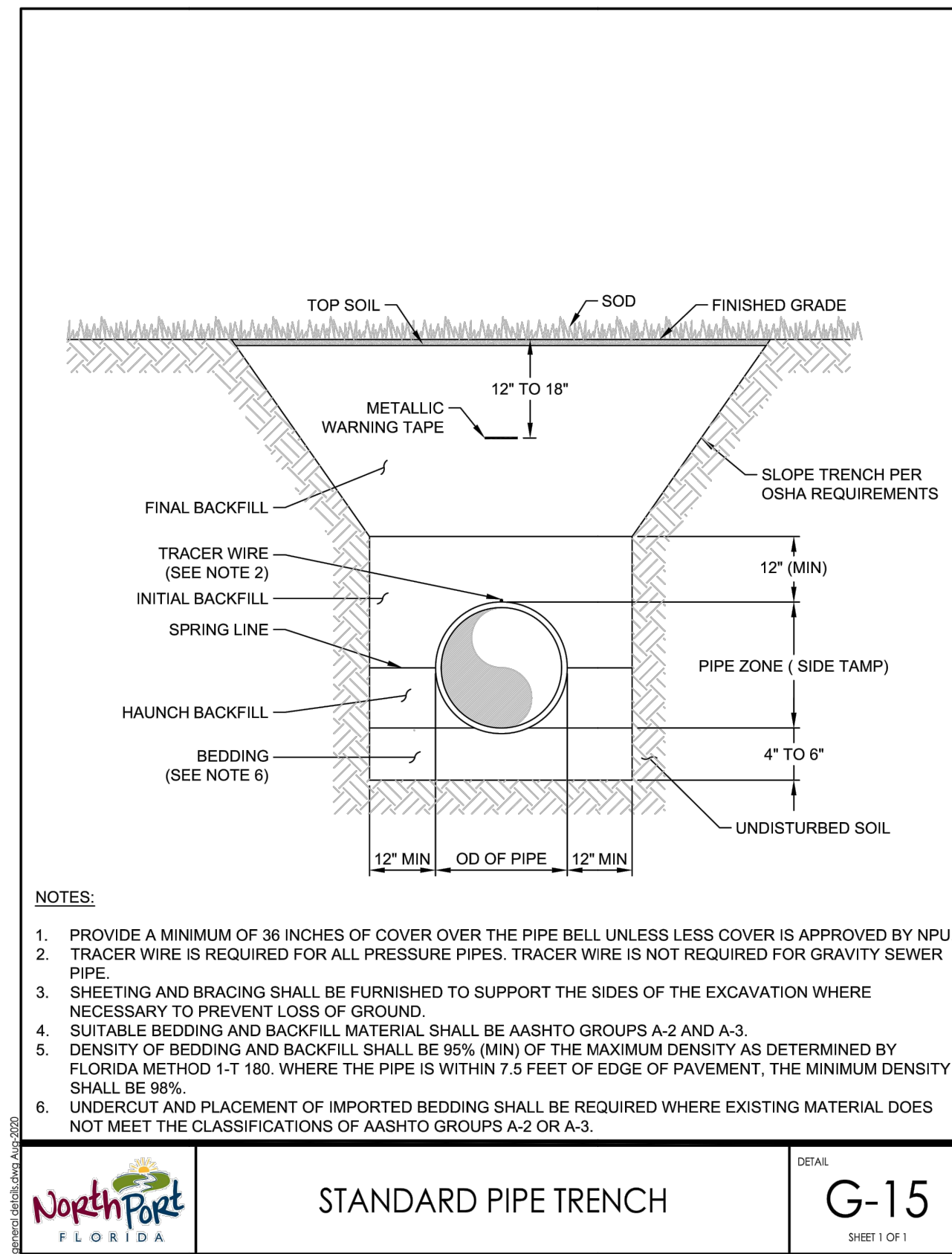


NOTES:

- CONCRETE THRUST BLOCK SHALL BE REQUIRED WHEN TAPPING AN EXISTING ASPBESTOS CEMENT PIPE. THE THRUST BLOCK MAY BE OMITTED WHEN TAPPING A PVC, DUCTILE IRON, OR CAST IRON PIPE.
- WRAP TAPPING SLEEVE AND VALVE WITH POLYETHYLENE SHEETING PRIOR TO PLACING CONCRETE.
- CONCRETE SUPPORT BLOCK SHALL BE 6 INCHES (MIN) THICK.
- CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 2,500 PSI AT 28 DAYS.
- THE TAPPING SLEEVE AND VALVE SHALL BE PRESSURE TESTED AFTER INSTALLATION ON THE MAIN BUT PRIOR TO TAPPING OPERATIONS. TEST PRESSURE SHALL BE 150 PSI. TEST DURATION SHALL BE 15 MINUTES. NO LEAKAGE IS ALLOWED.
- JOINT RESTRAINTS SHALL BE PROVIDED ON THE NEW MAIN IN ACCORDANCE WITH THE NPU RESTRAINT TABLE.

TAPPING SLEEVE AND VALVE

G-08
SHEET 1 OF 1

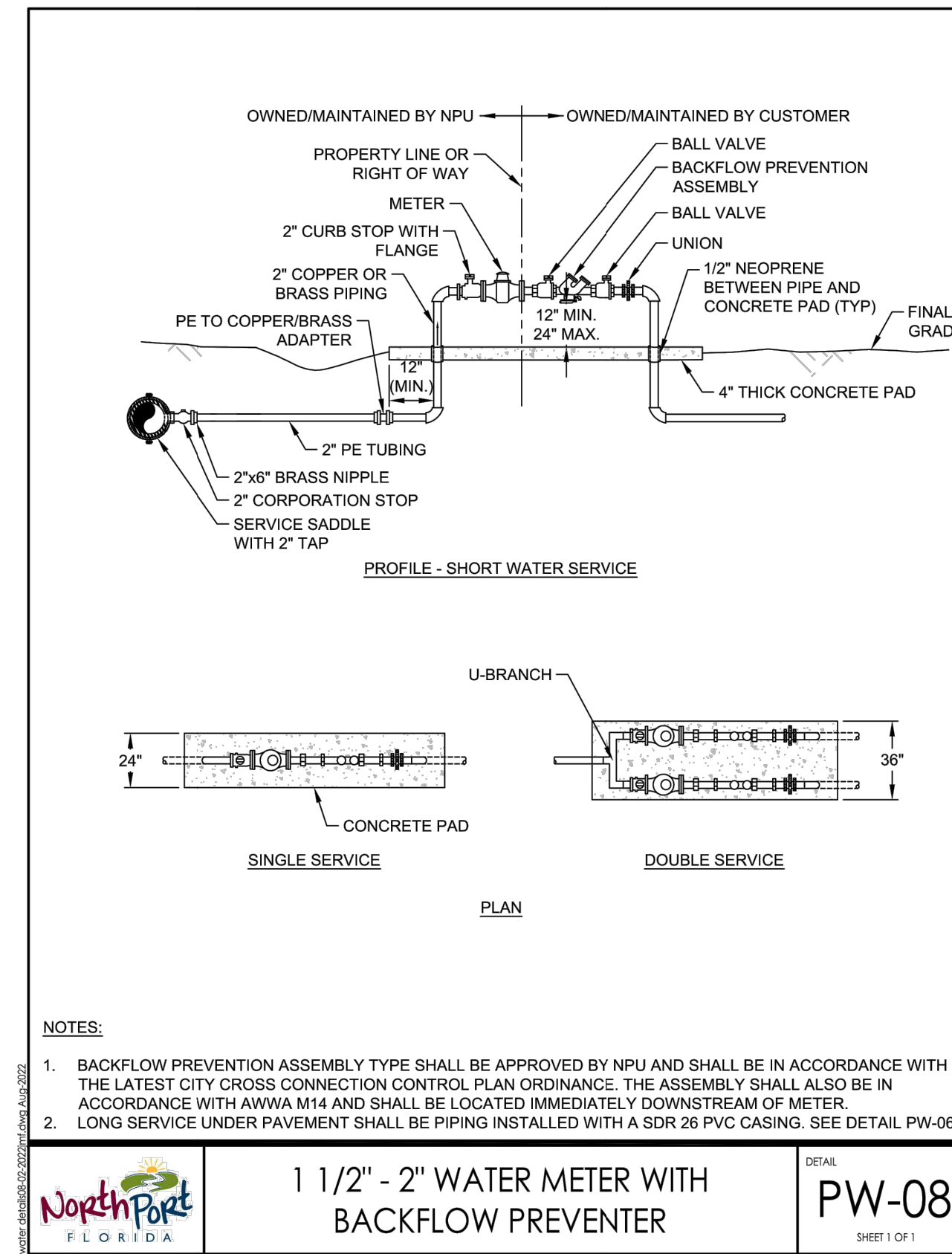


NOTES:

- PROVIDE A MINIMUM OF 36 INCHES OF COVER OVER THE PIPE BELL UNLESS LESS COVER IS APPROVED BY NPU.
- TRACER WIRE IS REQUIRED FOR ALL PRESSURE PIPES. TRACER WIRE IS NOT REQUIRED FOR GRAVITY SEWER PIPE.
- SHEETING AND BRACING SHALL BE FURNISHED TO SUPPORT THE SIDES OF THE EXCAVATION WHERE NECESSARY TO PREVENT LOSS OF GROUND.
- SUITABLE BEDDING AND BACKFILL MATERIAL SHALL BE AASHTO GROUPS A-2 OR A-3.
- DENSITY OF BEDDING AND BACKFILL SHALL BE 95% (MIN) OF THE MAXIMUM DENSITY AS DETERMINED BY FLORIDA METHOD 1-T 180, WHERE THE PIPE IS WITHIN 7.5 FEET OF EDGE OF PAVEMENT. THE MINIMUM DENSITY SHALL BE 98%.
- UNDERCUT AND PLACEMENT OF IMPORTED BEDDING SHALL BE REQUIRED WHERE EXISTING MATERIAL DOES NOT MEET THE CLASSIFICATIONS OF AASHTO GROUPS A-2 OR A-3.

STANDARD PIPE TRENCH

G-15
SHEET 1 OF 1

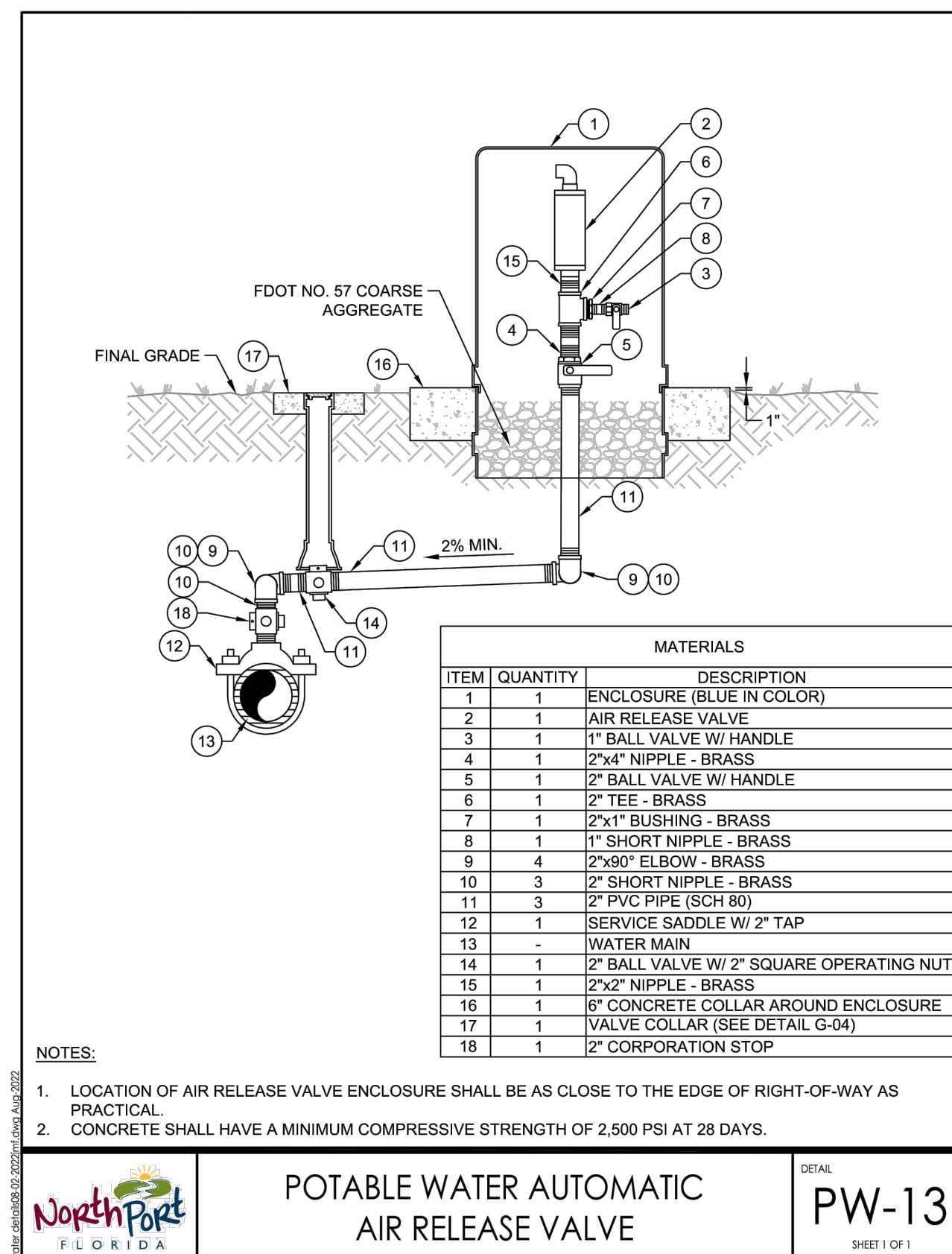


NOTES:

- BACKFLOW PREVENTION ASSEMBLY TYPE SHALL BE APPROVED BY NPU AND SHALL BE IN ACCORDANCE WITH THE LATEST CITY CROSS CONNECTION CONTROL PLAN ORDINANCE. THE ASSEMBLY SHALL ALSO BE IN ACCORDANCE WITH ANWA M14 AND SHALL BE LOCATED IMMEDIATELY DOWNSTREAM OF METER.
- LONG SERVICE UNDER PAVEMENT SHALL BE PIPING INSTALLED WITH A SDR 26 PVC CASING. SEE DETAIL PW-06.

1 1/2" - 2" WATER METER WITH BACKFLOW PREVENTER

PW-08
SHEET 1 OF 1



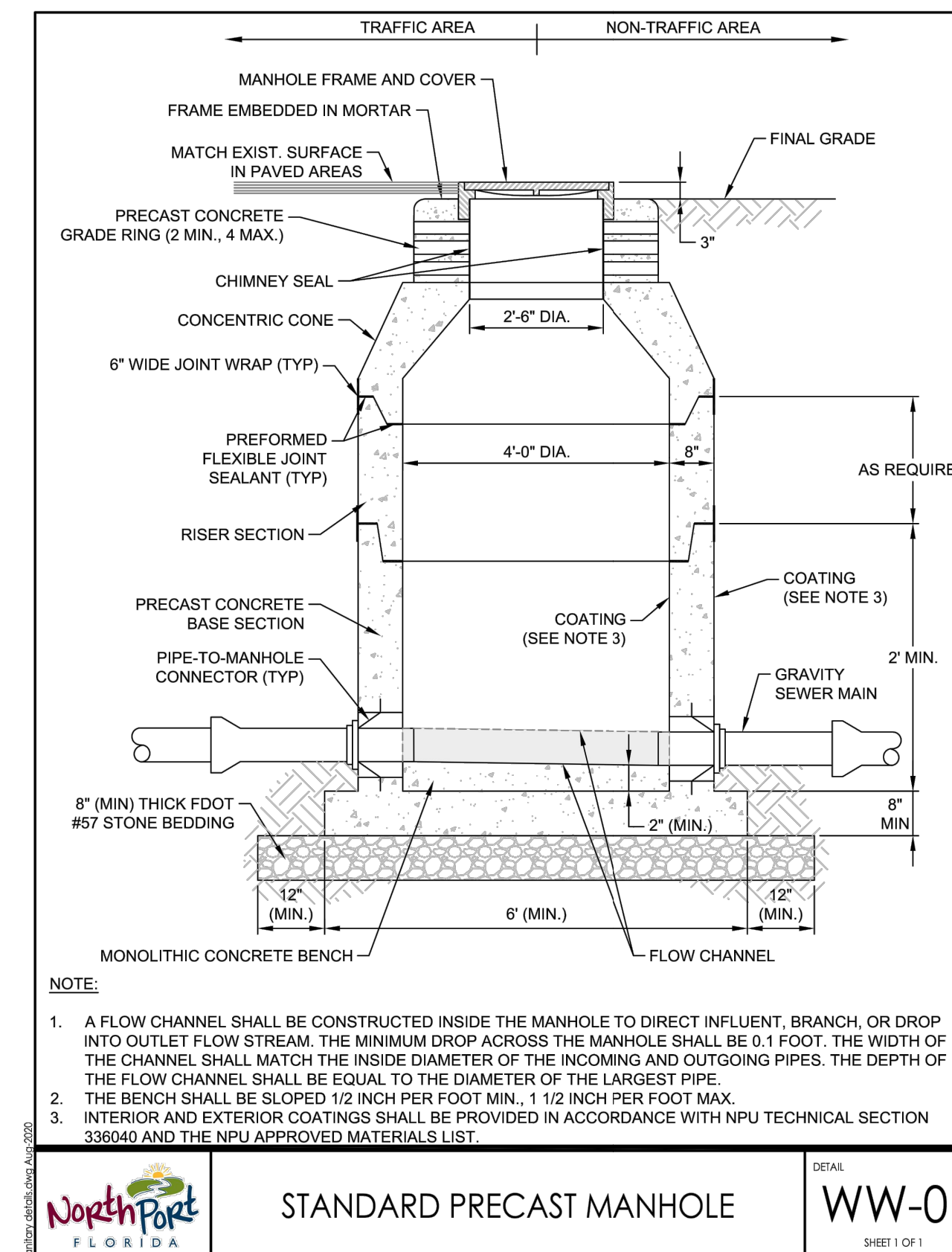
ITEM	QUANTITY	DESCRIPTION
1	1	ENCLOSURE (BLUE IN COLOR)
2	1	AIR RELEASE VALVE
3	1	1" BALL VALVE W/ HANDLE
4	1	2"x4" NIPPLE - BRASS
5	1	2" BALL VALVE W/ HANDLE
6	1	2" TEE - BRASS
7	1	2"x1" BUSHING - BRASS
8	1	1" SHORT NIPPLE - BRASS
9	4	2"x90° ELBOW - BRASS
10	3	2" SHORT NIPPLE - BRASS
11	3	2" PVC PIPE (SCH 80)
12	1	SERVICE SADDLE W/ 2" TAP
13	-	WATER MAIN
14	1	12" BALL VALVE W/ 2" SQUARE OPERATING NUT
15	1	2"x2" NIPPLE - BRASS
16	1	6" CONCRETE COLLAR AROUND ENCLOSURE
17	1	VALVE COLLAR (SEE DETAIL G-04)
18	1	2" CORPORATION STOP

NOTES:

- LOCATION OF AIR RELEASE VALVE ENCLOSURE SHALL BE AS CLOSE TO THE EDGE OF RIGHT-OF-WAY AS PRACTICAL.
- CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 2,500 PSI AT 28 DAYS.

POTABLE WATER AUTOMATIC AIR RELEASE VALVE

PW-13
SHEET 1 OF 1

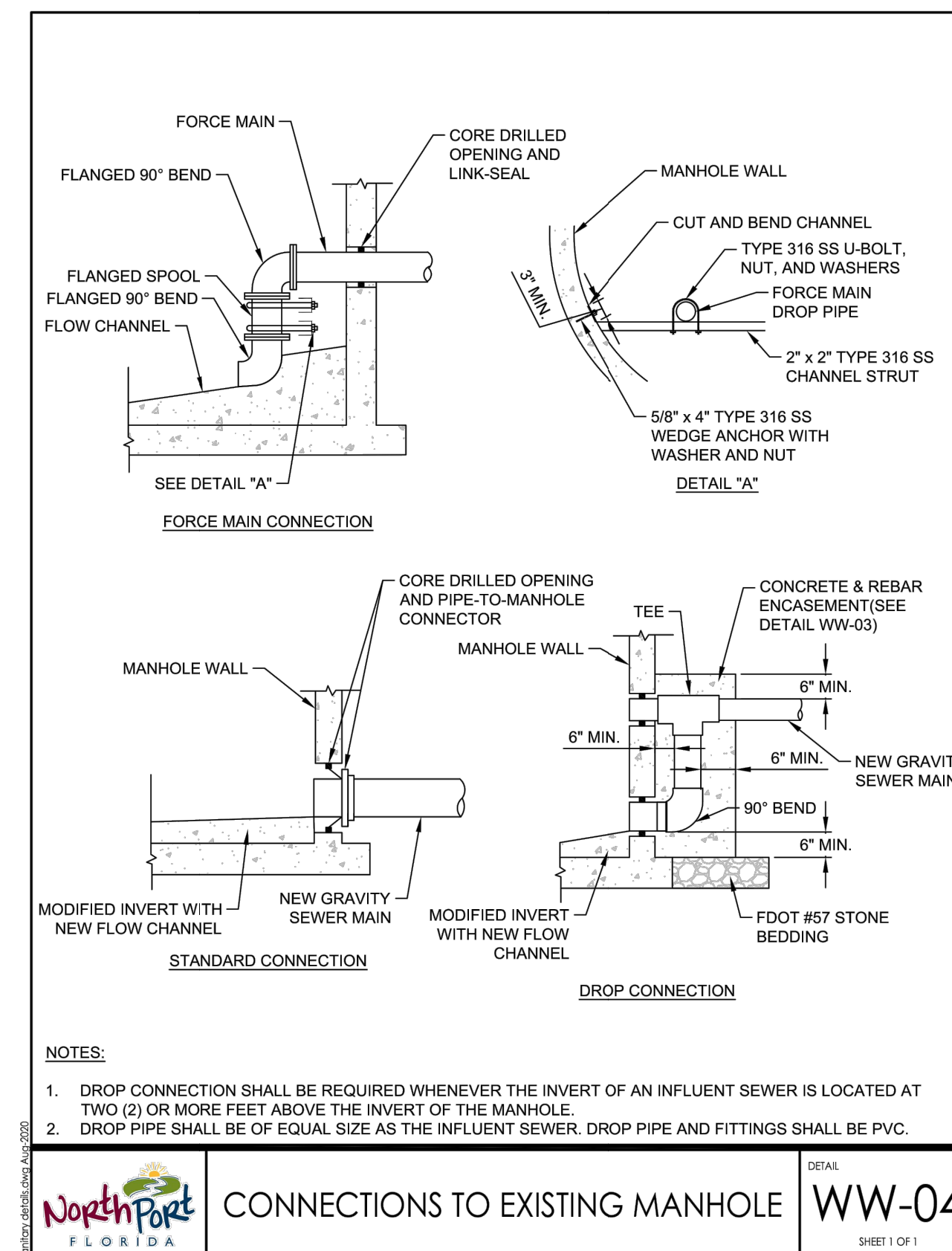


NOTE:

- A FLOW CHANNEL SHALL BE CONSTRUCTED INSIDE THE MANHOLE TO DIRECT INFLUENT, BRANCH, OR DROP INTO OUTLET FLOW STREAM. THE MINIMUM DROP ACROSS THE MANHOLE SHALL BE 0.1 FOOT. THE WIDTH OF THE CHANNEL SHALL MATCH THE INSIDE DIAMETER OF THE INCOMING AND OUTGOING PIPES. THE DEPTH OF THE FLOW CHANNEL SHALL BE EQUAL TO THE DIAMETER OF THE LARGEST PIPE.
- THE BENCH SHALL BE SLOPED 1/2 INCH PER FOOT MIN., 1 1/2 INCH PER FOOT MAX.
- INTERIOR AND EXTERIOR COATINGS SHALL BE PROVIDED IN ACCORDANCE WITH NPU TECHNICAL SECTION 336040 AND THE NPU APPROVED MATERIAL LIST.

STANDARD PRECAST MANHOLE

WW-01
SHEET 1 OF 1

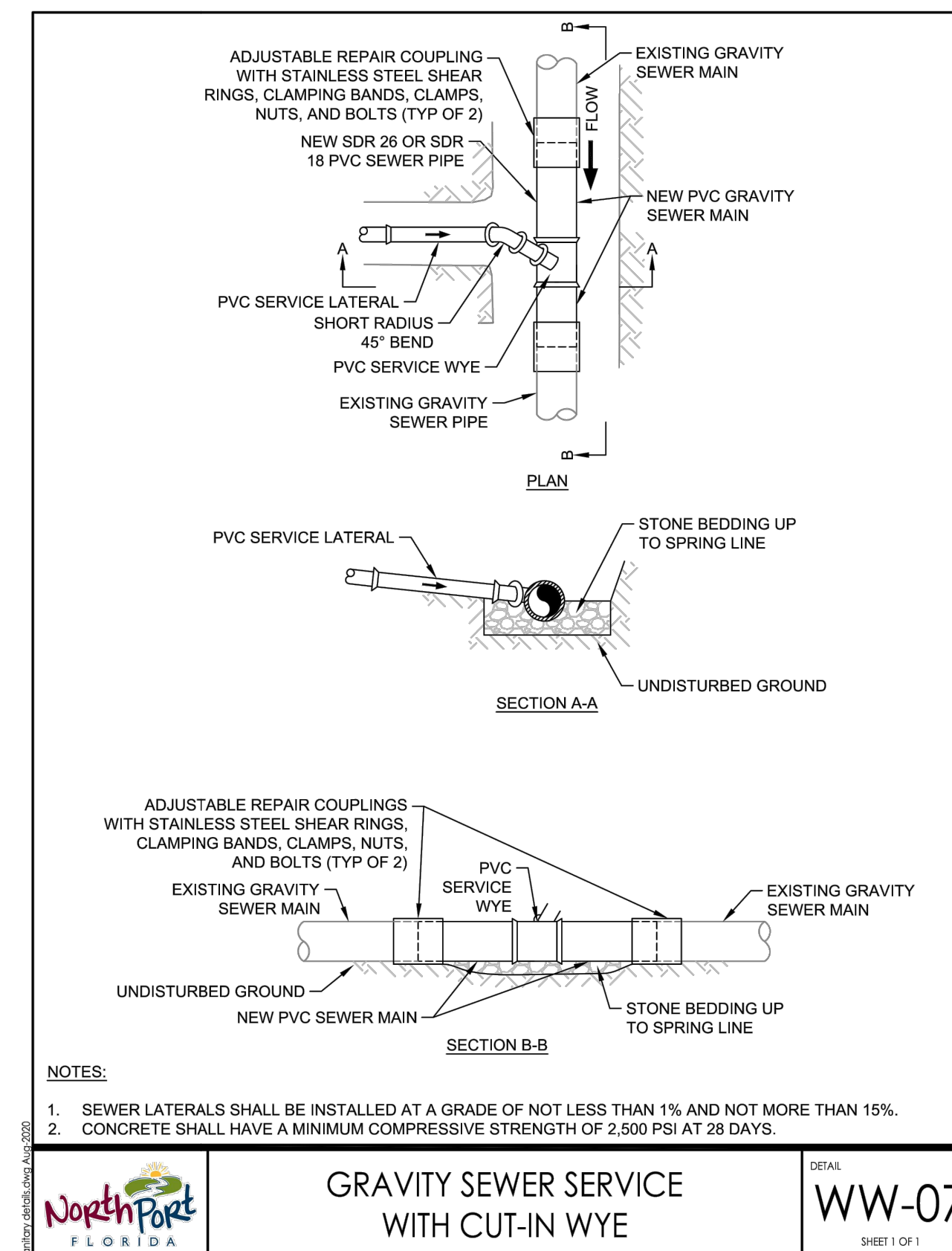


NOTES:

- DROP CONNECTION SHALL BE REQUIRED WHENEVER THE INVERT OF AN INFLUENT SEWER IS LOCATED AT TWO (2) OR MORE FEET ABOVE THE INVERT OF THE MANHOLE.
- THE BENCH SHALL BE SLOPED 1/2 INCH PER FOOT MIN., 1 1/2 INCH PER FOOT MAX.
- DROP PIPE SHALL BE OF EQUAL SIZE AS THE INFLUENT SEWER. DROP PIPE AND FITTINGS SHALL BE PVC.

CONNECTIONS TO EXISTING MANHOLE

WW-04
SHEET 1 OF 1



NOTES:

- SEWER LATERALS SHALL BE INSTALLED AT A GRADE OF NOT LESS THAN 1% AND NOT MORE THAN 15%.
- CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 2,500 PSI AT 28 DAYS.

GRAVITY SEWER SERVICE WITH CUT-IN WYE

WW-07
SHEET 1 OF 1

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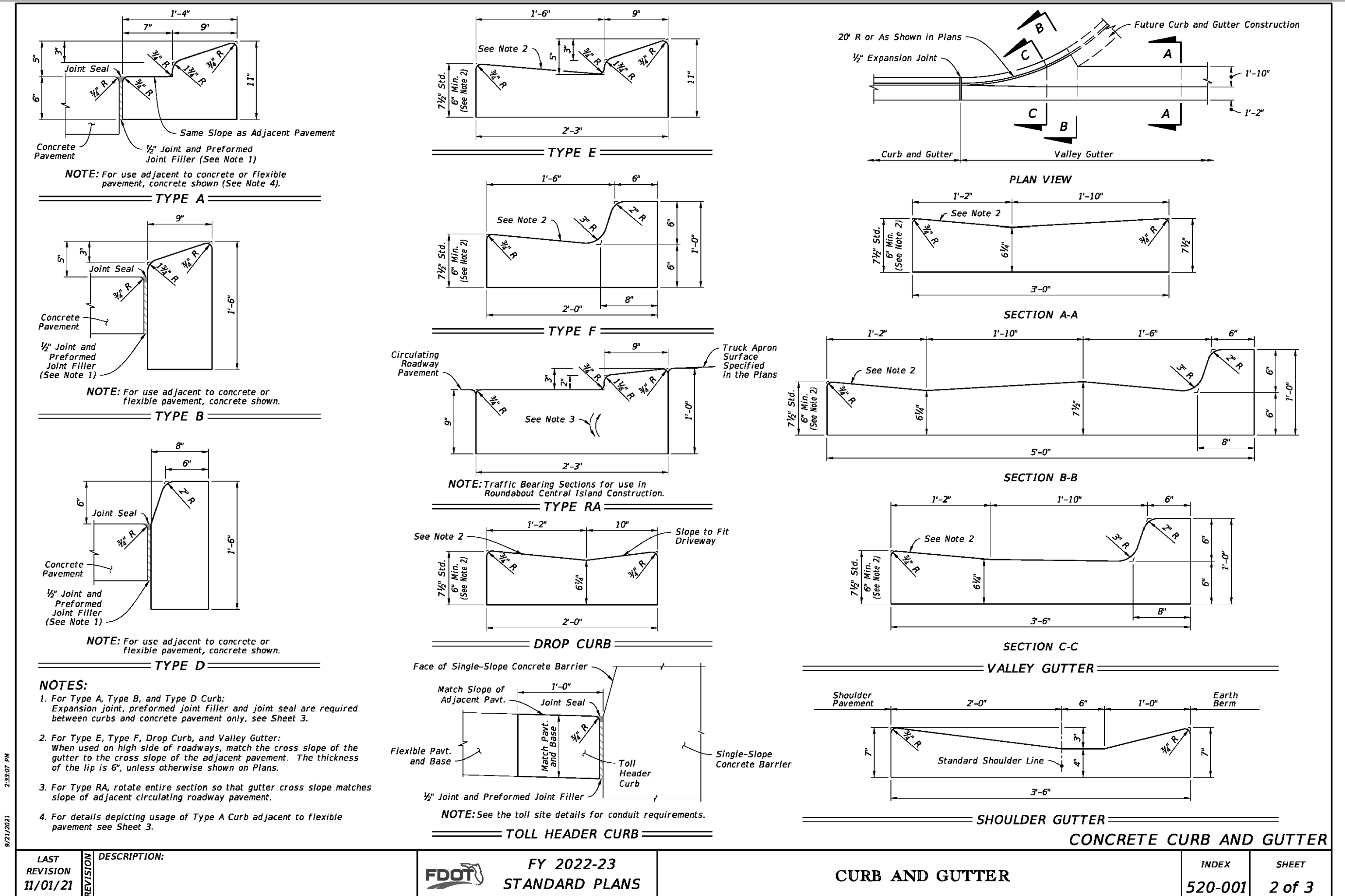
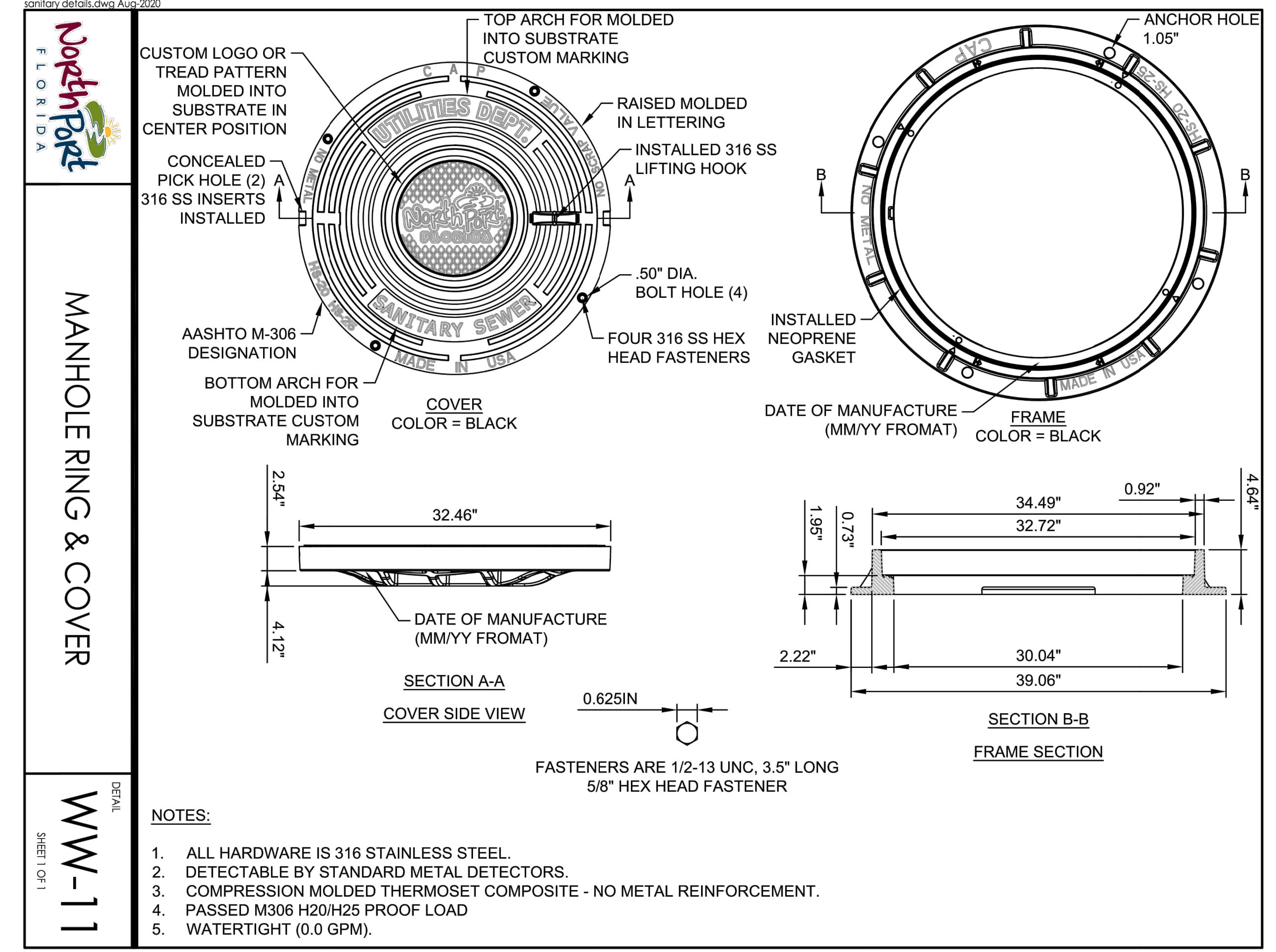
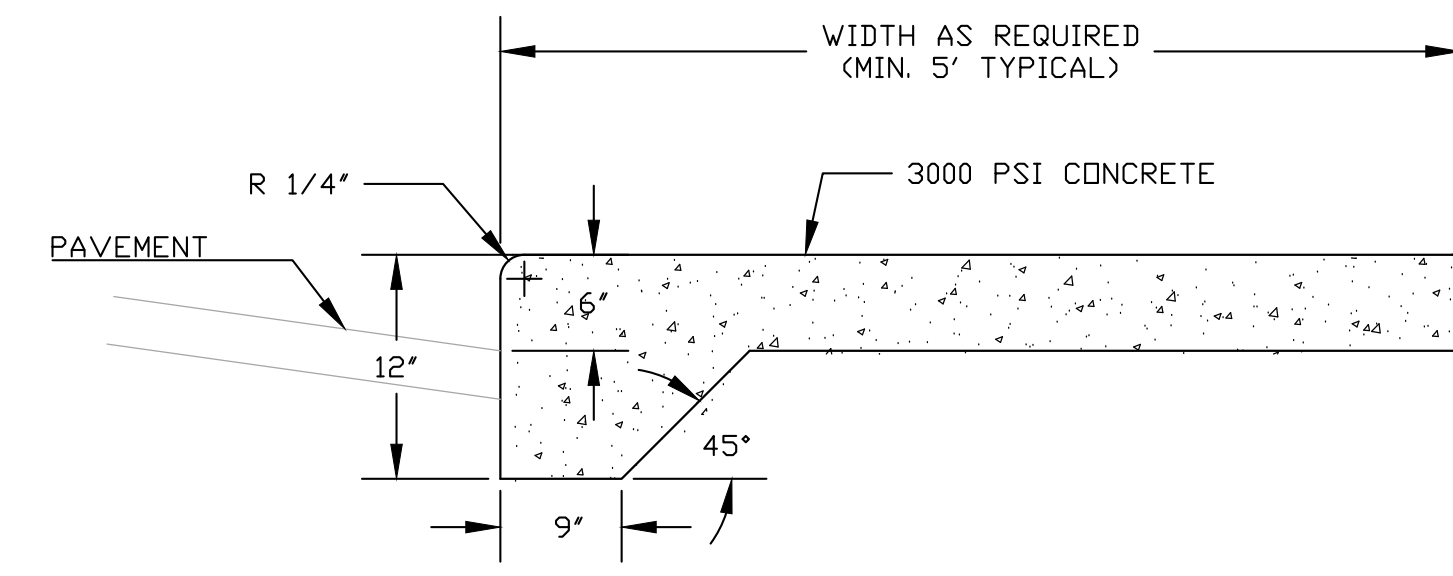
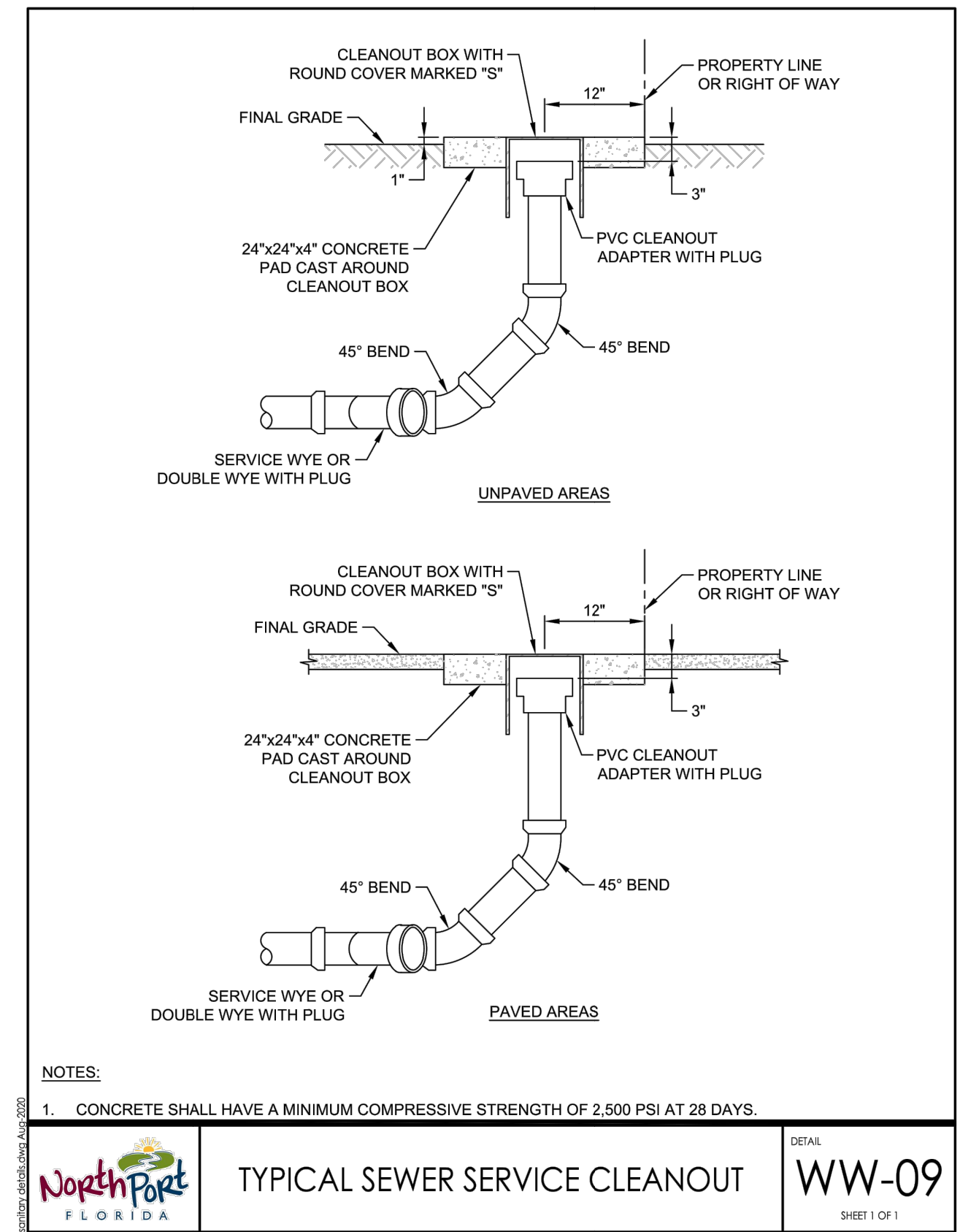
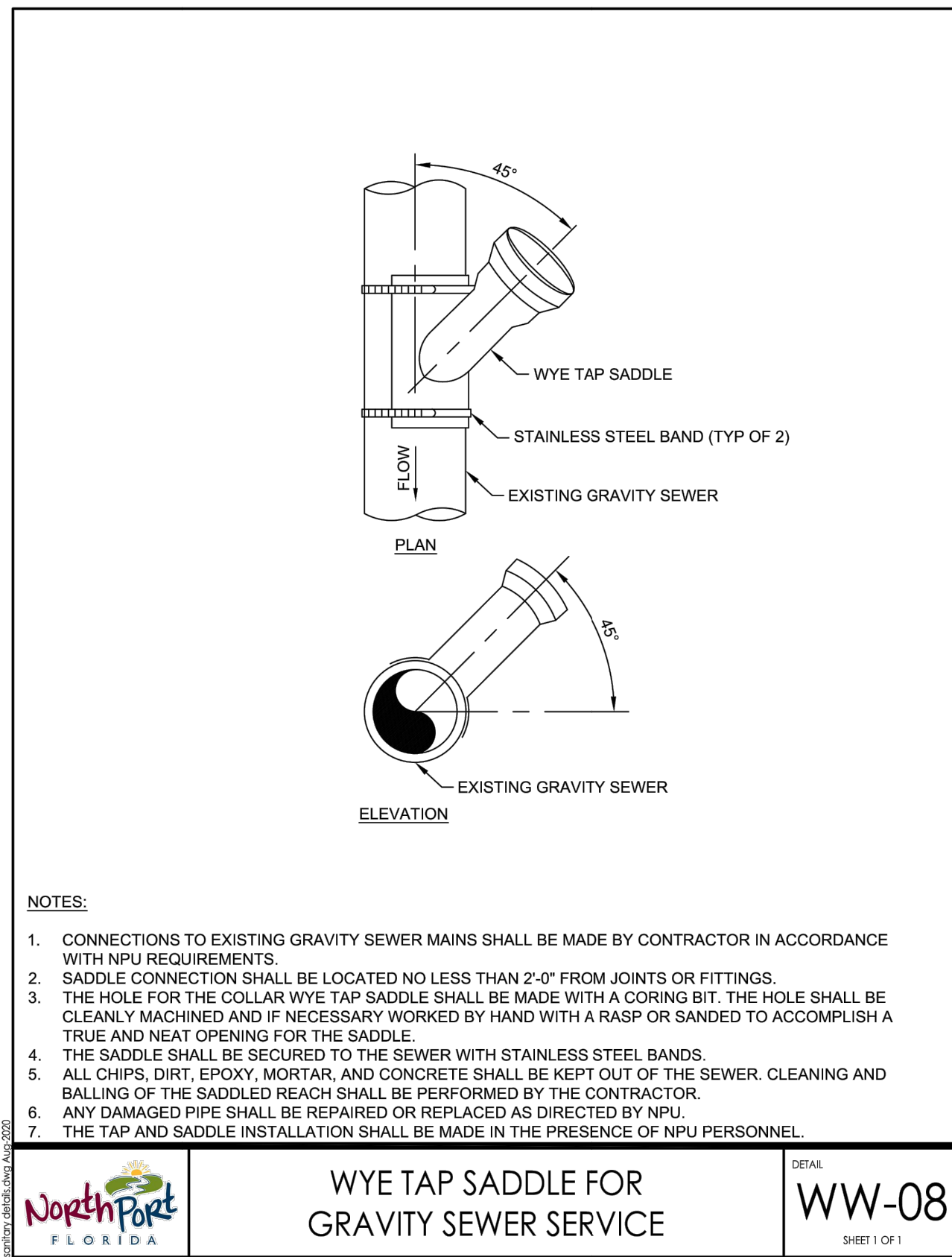
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08/02/2023
PLAN STATUS

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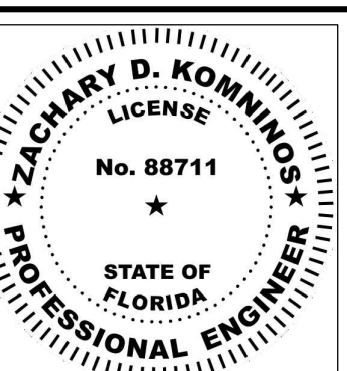
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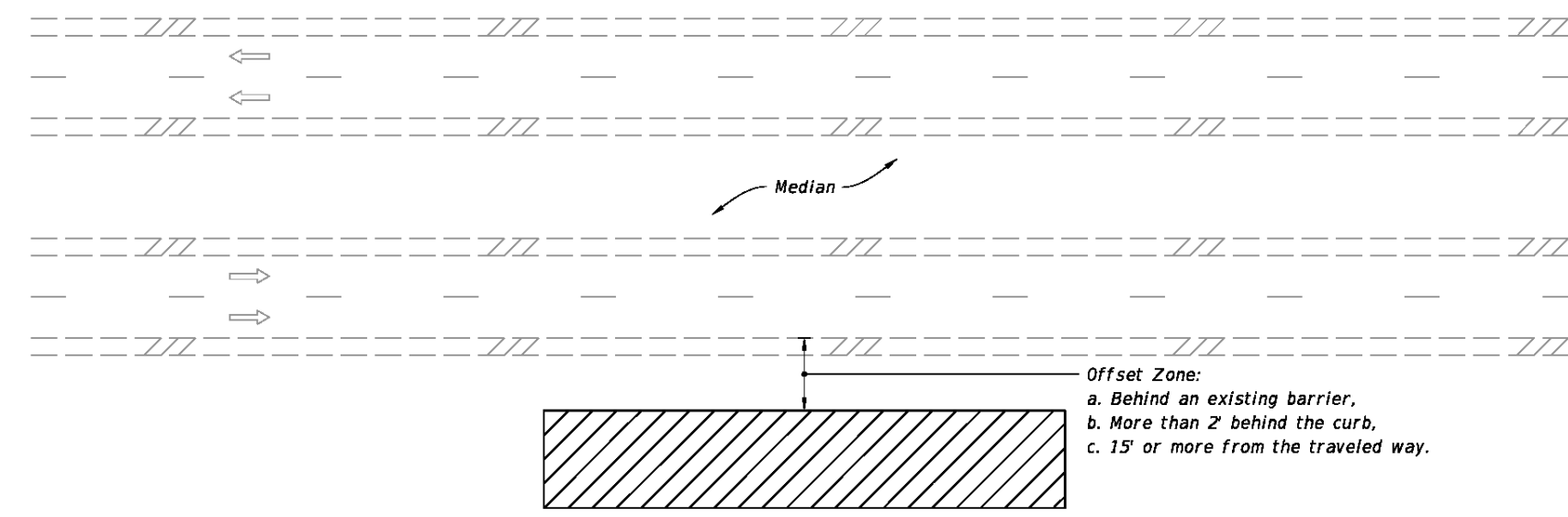
SARASOTA COUNTY
CITY OF NORTH PORT
NORTH PORT, FLORIDA, 34287
13000 S. TAMiami TRAIL
TOMMY'S EXPRESS CAR WASH



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08/02/2023
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MULTILANE ROADWAY SHOWN, TWO-LANE ROADWAY SIMILAR

NOTES:

- This index applies to Two-Lane, Two-Way and Multilane Roadways, including Medians of divided roadways, with work beyond the shoulder.
- Use Index 102-602 when the work operation (excluding establishing and terminating the work area) requires that two or more work vehicles cross the Offset Zone in any one hour period.
- Use Index 102-660 when Work Area encroaches a Sidewalk.

SYMBOLS:

- Work Area
- Lane Identification and Direction of Traffic

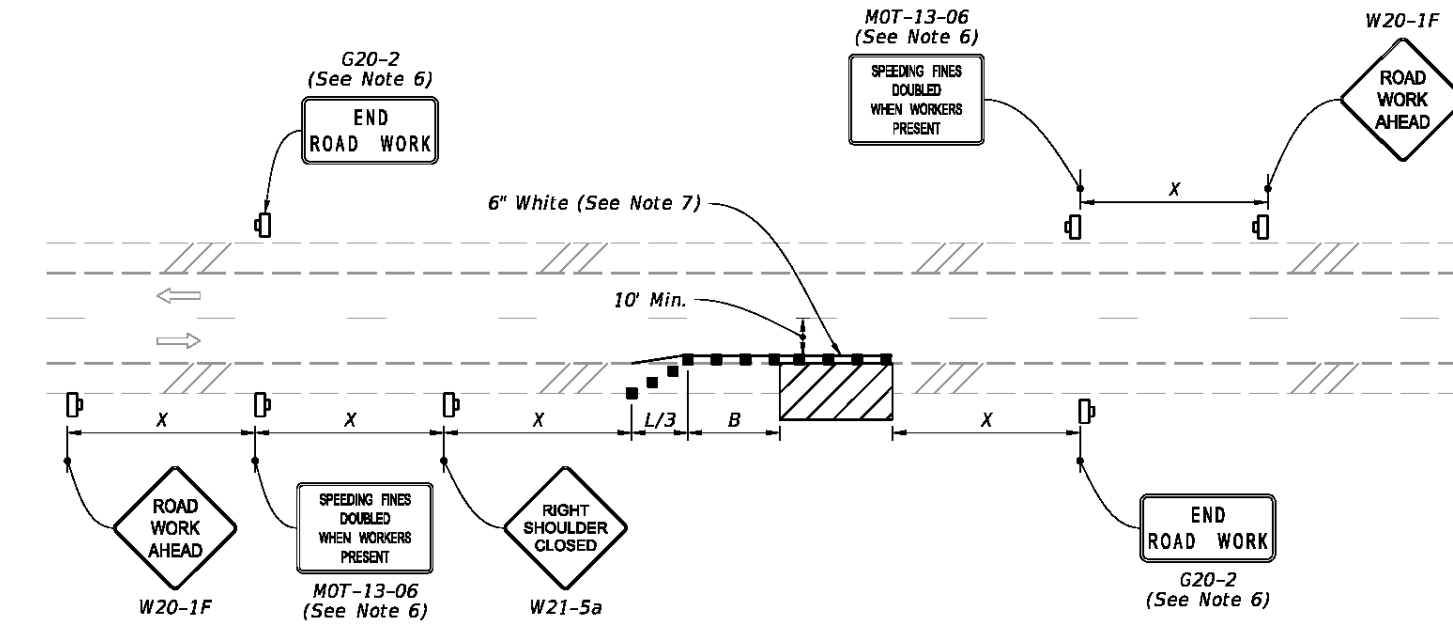
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NOTE:

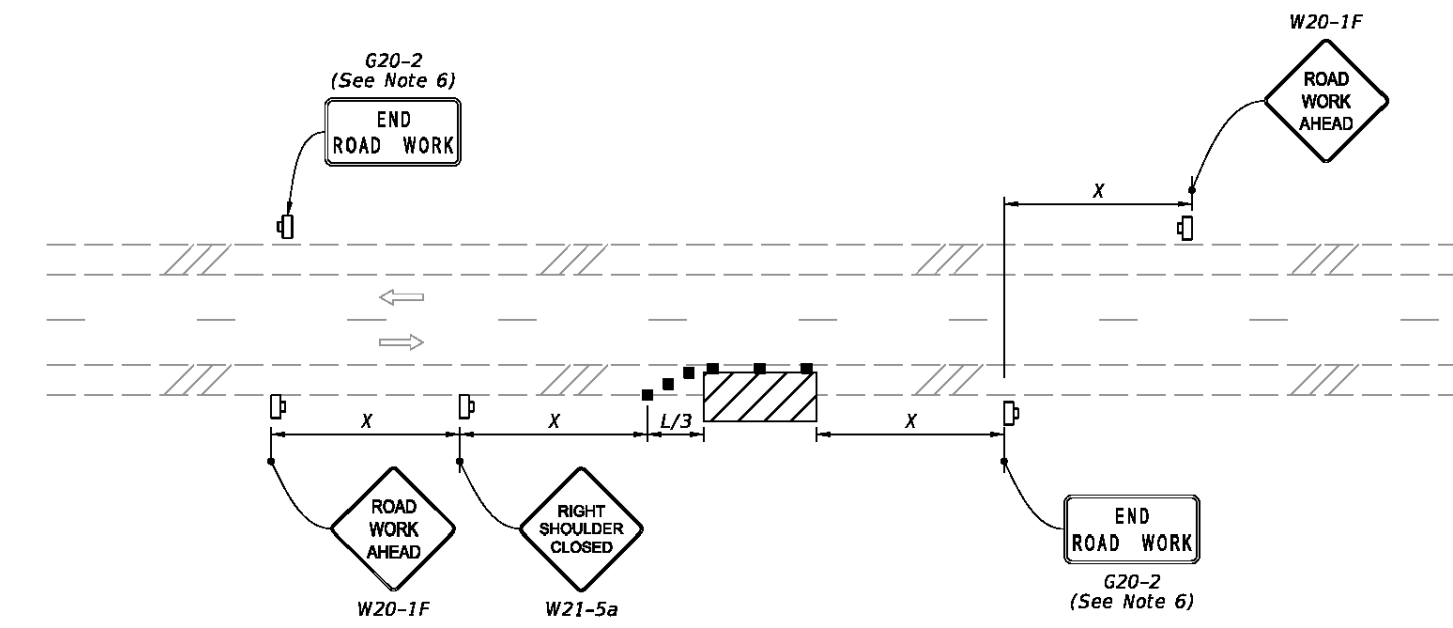
- This index applies to Two-Lane, Two-Way and Multilane Roadways, including Medians of divided roadways, with work on the shoulder.
- L = Taper Length
X = Work Zone Sign Spacing
B = Buffer Length
See Index 102-600 for "L", "X", "B", and channelizing device spacing values.
- Where work activities are between 2' and 15' from the edge of traveled way, the Engineer may omit signs and channelizing devices for work operations 60 minutes or less.
- When four or more work vehicles enter the through traffic lanes in a one hour period (excluding establishing and terminating the work area), use a flagger or lane closure to accommodate work vehicle ingress and egress.
- For work less than 2' from the traveled way and work zone speed is greater than 45 MPH, use a lane closure.
- The "Speeding Fines Doubled When Workers Present" signs (MOT-13-06) and "End Road Work" Signs (G20-2) along with the associated work zone sign spacing distances may be omitted when the work operation is in place for 24 hours or less.
- Temporary pavement markings may be omitted when the work operation is in place for 3 days or less.
- Omit "Shoulder Closed" signs (W21-5a) along with associated work zone sign spacing distances for work on the median.
- When there is no paved shoulder, the "Worker" sign (W21-1) may be used instead of the "Shoulder Closed" sign (W21-5a).

SYMBOLS:

- Work Area
- Channelizing Device (See Index 102-600)
- Work Zone Sign
- Lane Identification and Direction of Traffic

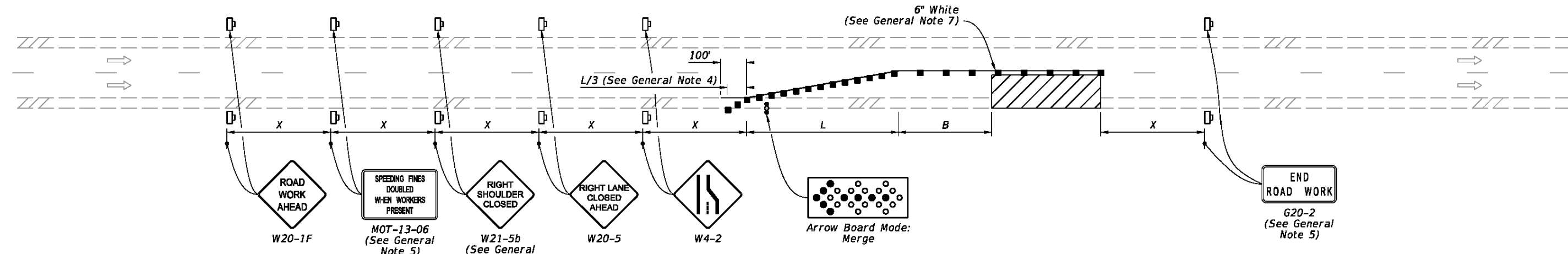


TWO-LANE ROADWAY
SHOULDER WORK LESS THAN 2' FROM THE TRAVELED WAY
WITH WORK ZONE SPEED OF 45 MPH OR LESS



TWO-LANE ROADWAY
SHOULDER WORK BETWEEN 2' AND 15' FROM THE TRAVELED WAY

LAST REVISION 11/01/21	DESCRIPTION:	FDOT FY 2022-23 STANDARD PLANS	TWO-LANE AND MULTILANE, WORK ON SHOULDER	INDEX 102-602	SHEET 1 of 2
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SINGLE LANE CLOSURE

SYMBOLS:

- Work Area
- Channelizing Device (See Index 102-600)
- Work Zone Sign
- Arrow Board
- Lane Identification and Direction of Traffic

GENERAL NOTE:

- L = Taper Length
B = Buffer Length
X = Work Zone Sign Distance
See Index 102-600 for "L", "B", "X", and channelizing device spacing values.
- On undivided highways the median signs as shown are to be omitted.
- On limited access facilities, omit "Shoulder Closed Ahead" signs (W21-5b) and associated work zone sign spacing distances.
- If the paved shoulder is less than 4' in width, omit the taper and channelizing devices from the paved shoulder.
- The "Speeding Fines Doubled When Workers Present" signs (MOT-13-06) and "End Road Work" signs (G20-2) and "Shoulder Closed Ahead" (W21-5b), along with associated work zone sign spacing distances, may be omitted when the work operation will be in place for 24 hours or less. For Single Lane Closures, arrow boards and buffer (B) may also be omitted when the work operation will be in place for 60 minutes or less and the speed limit is 45 mph or less.
- Use inverted plan of the illustrations for work on left side of roadways.
- Temporary pavement markings may be omitted when the work operation is in place for 3 days or less.

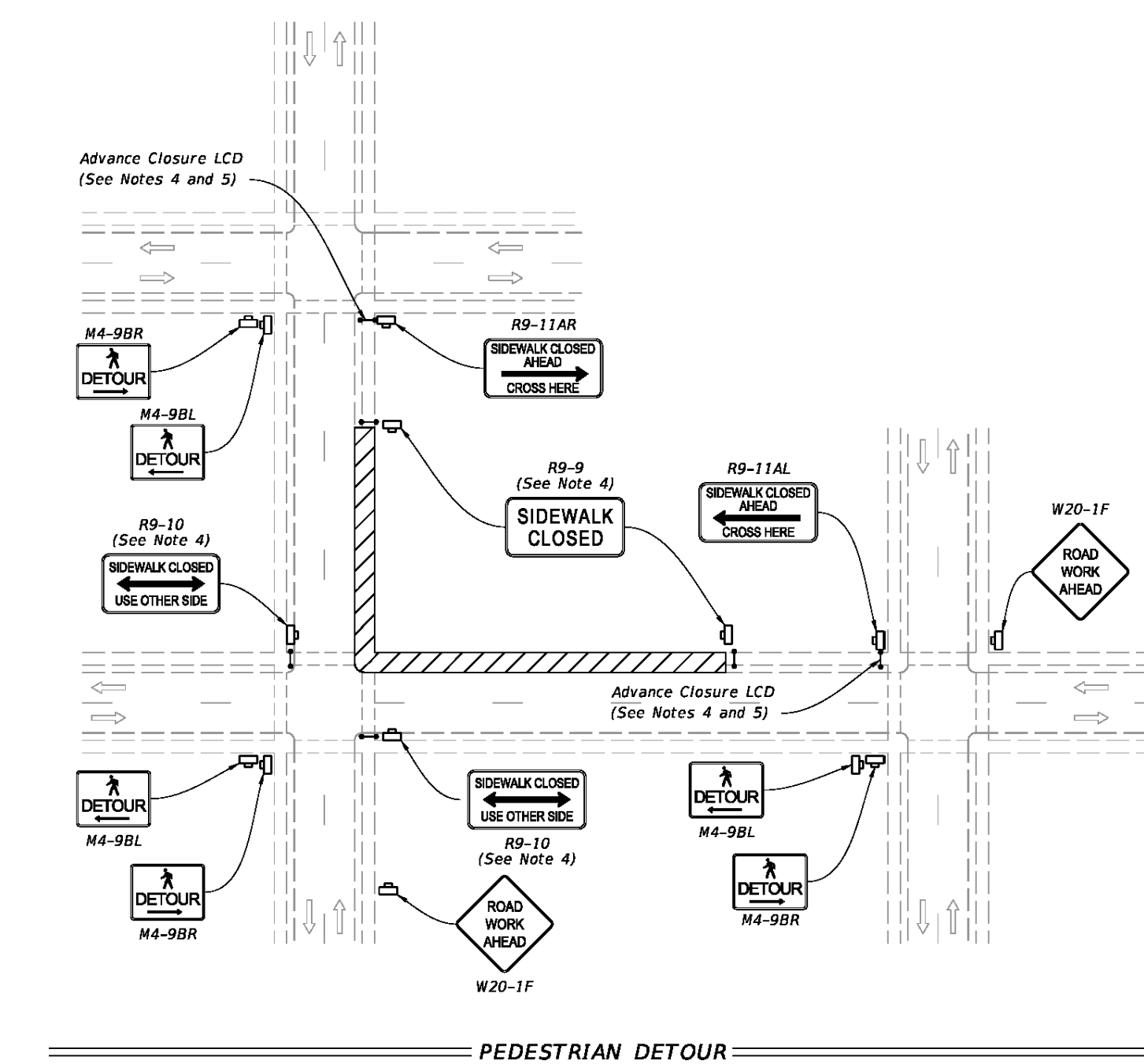
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NOTES:

- Cover or deactivate pedestrian traffic signal displays controlling closed crosswalks.
- Place pedestrian LCDs across the full width of the closed sidewalk.
- For post mounted signs located near or adjacent to a sidewalk, maintain a minimum 7' clearance from the bottom of the sign panel to the surface of the sidewalk.
- "Sidewalk Closed" signs (R9-XX) may be mounted on pedestrian LCDs in accordance with the manufacturer's instructions.
- Omit the Advance Closure LCD if it blocks access to other pedestrian facilities (e.g., transit stops, residences, or business entrances).

SYMBOLS:

- Work Area
- Work Zone Sign
- Pedestrian Longitudinal Channelizing Device (LCD)
- Lane Identification and Direction of Traffic



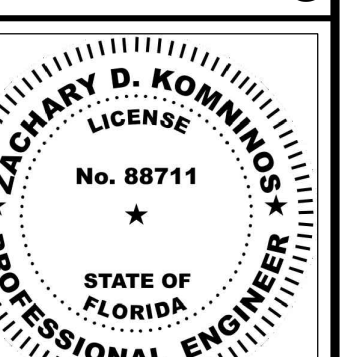
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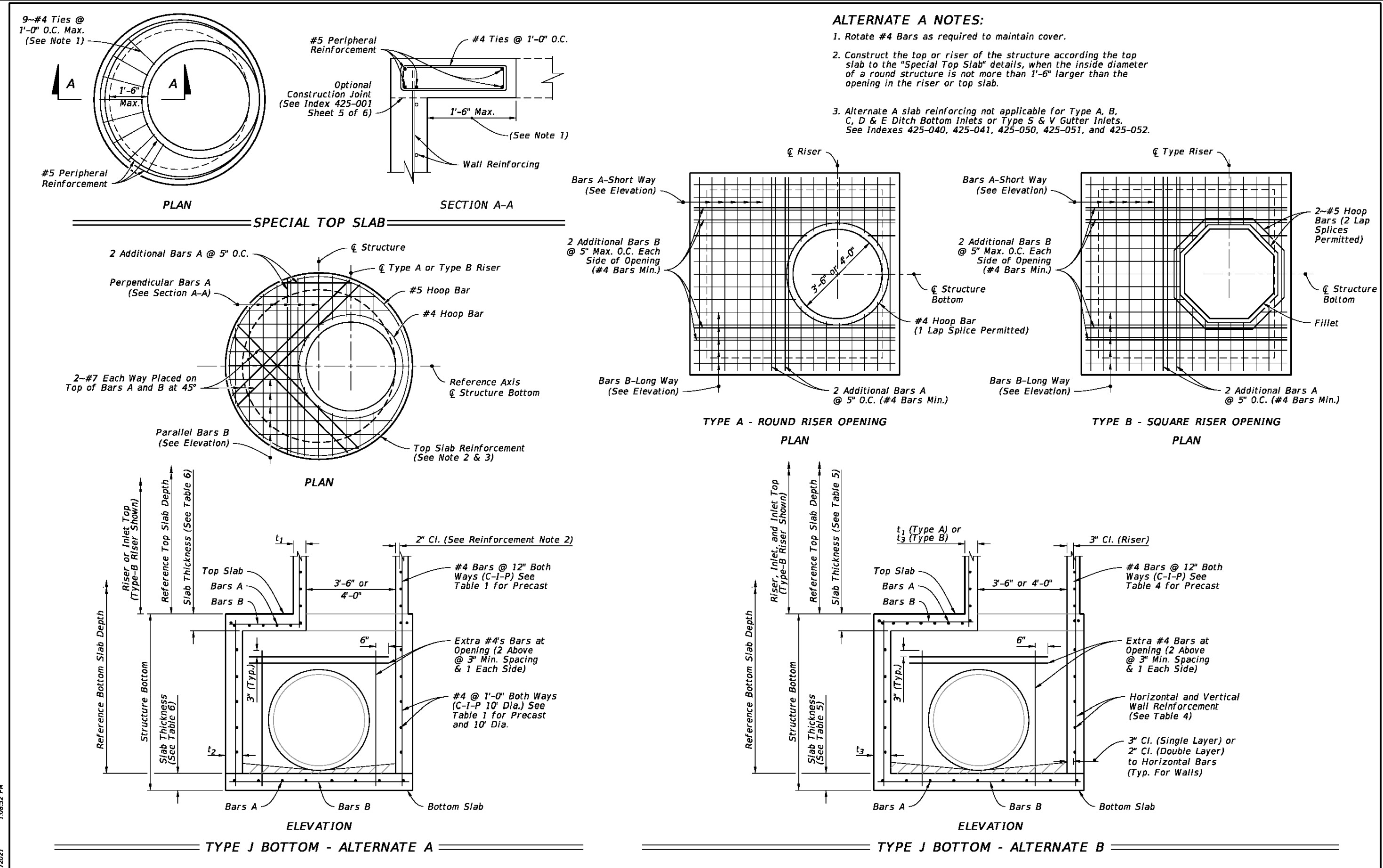
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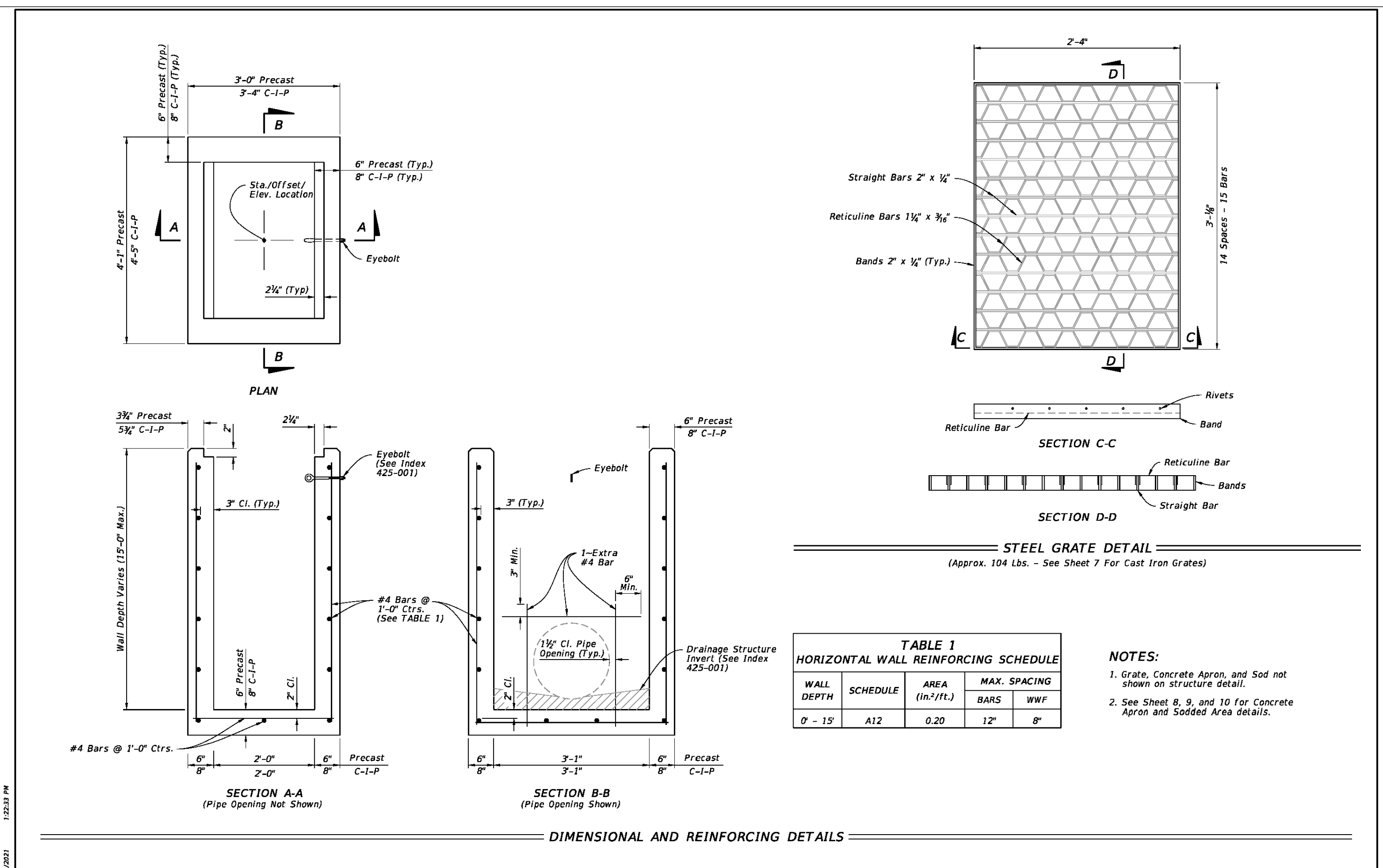
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08/02/2023
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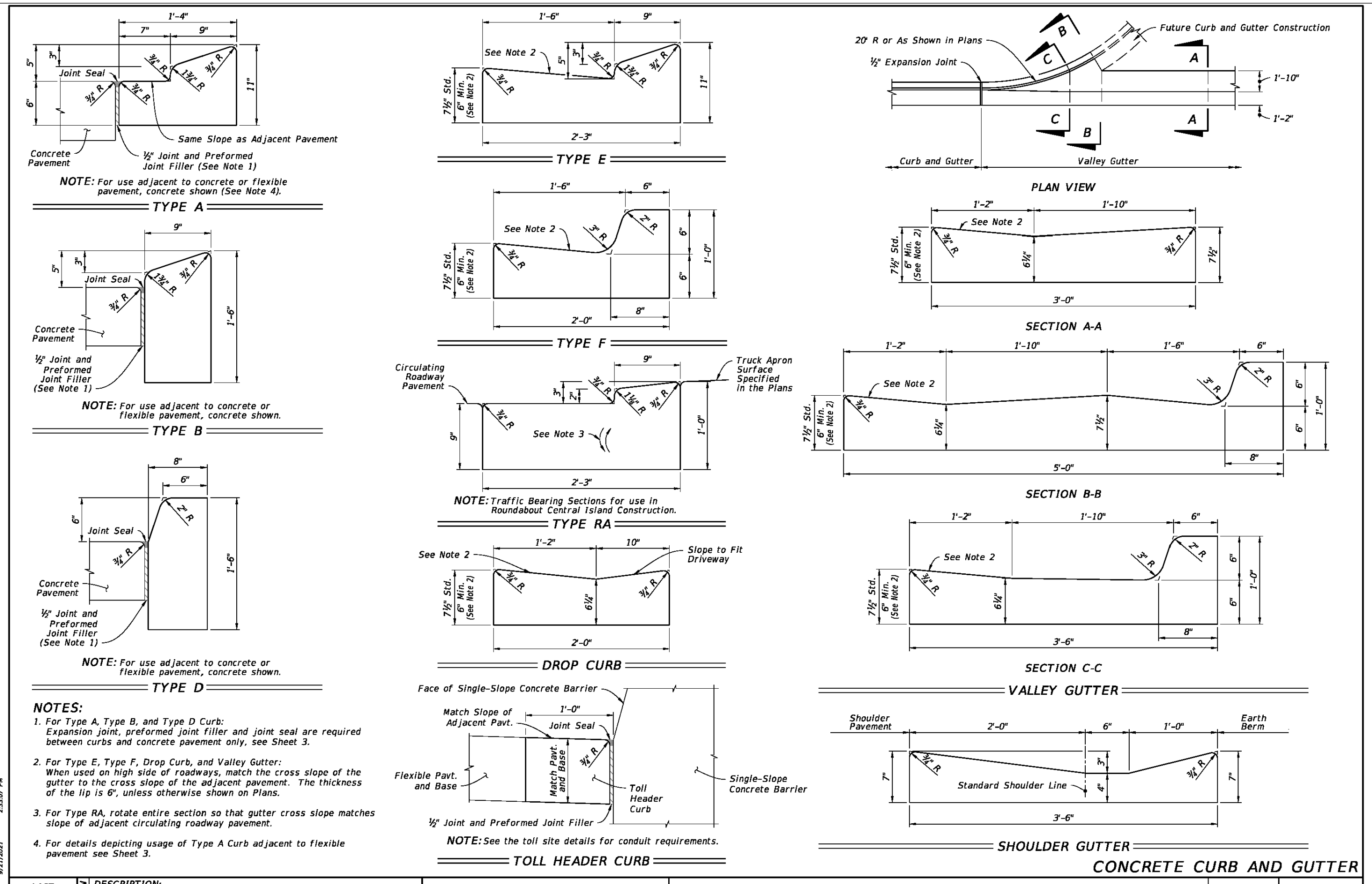
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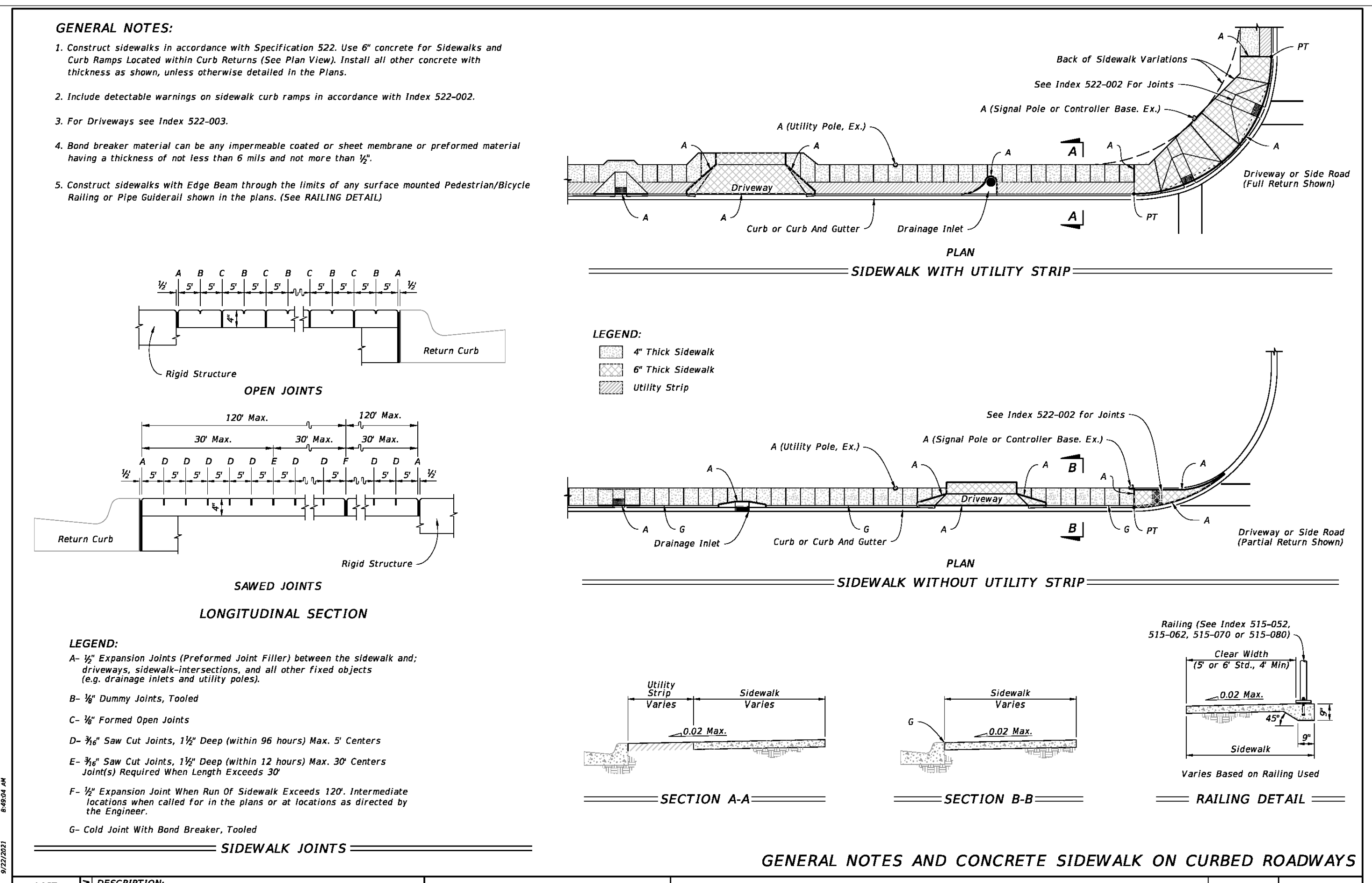
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LAST REVISION	DESCRIPTION:	INDEX	SHEET
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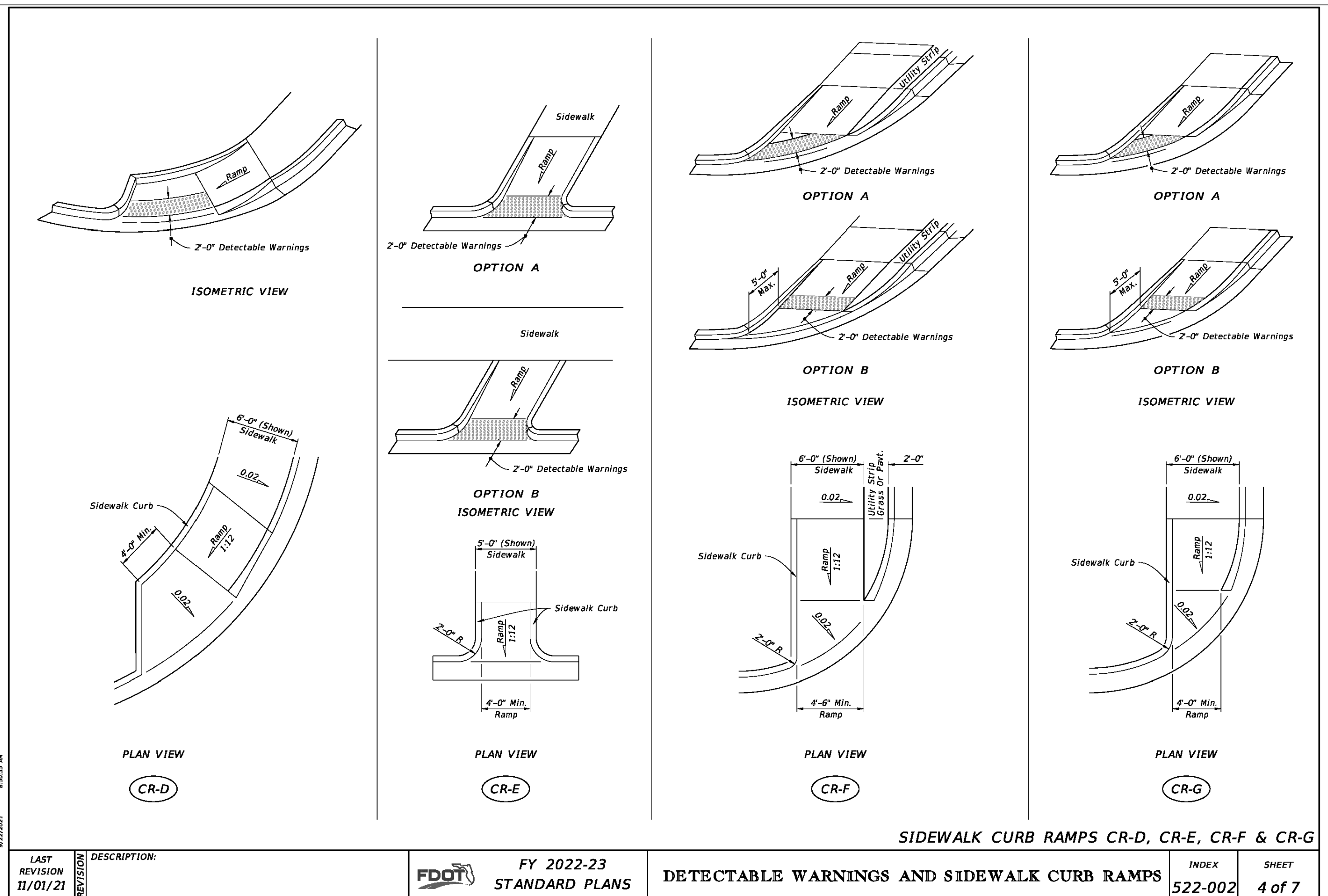
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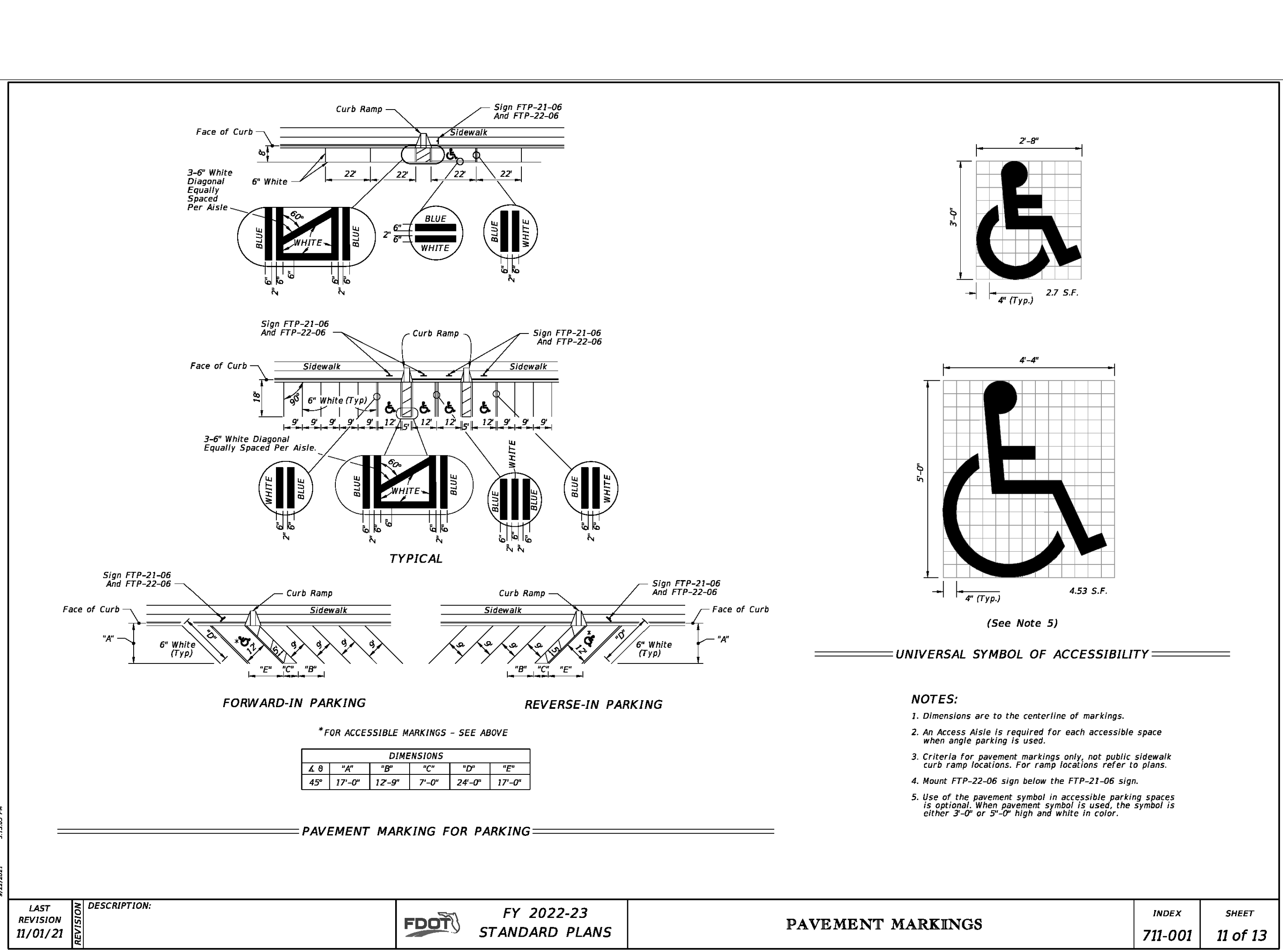
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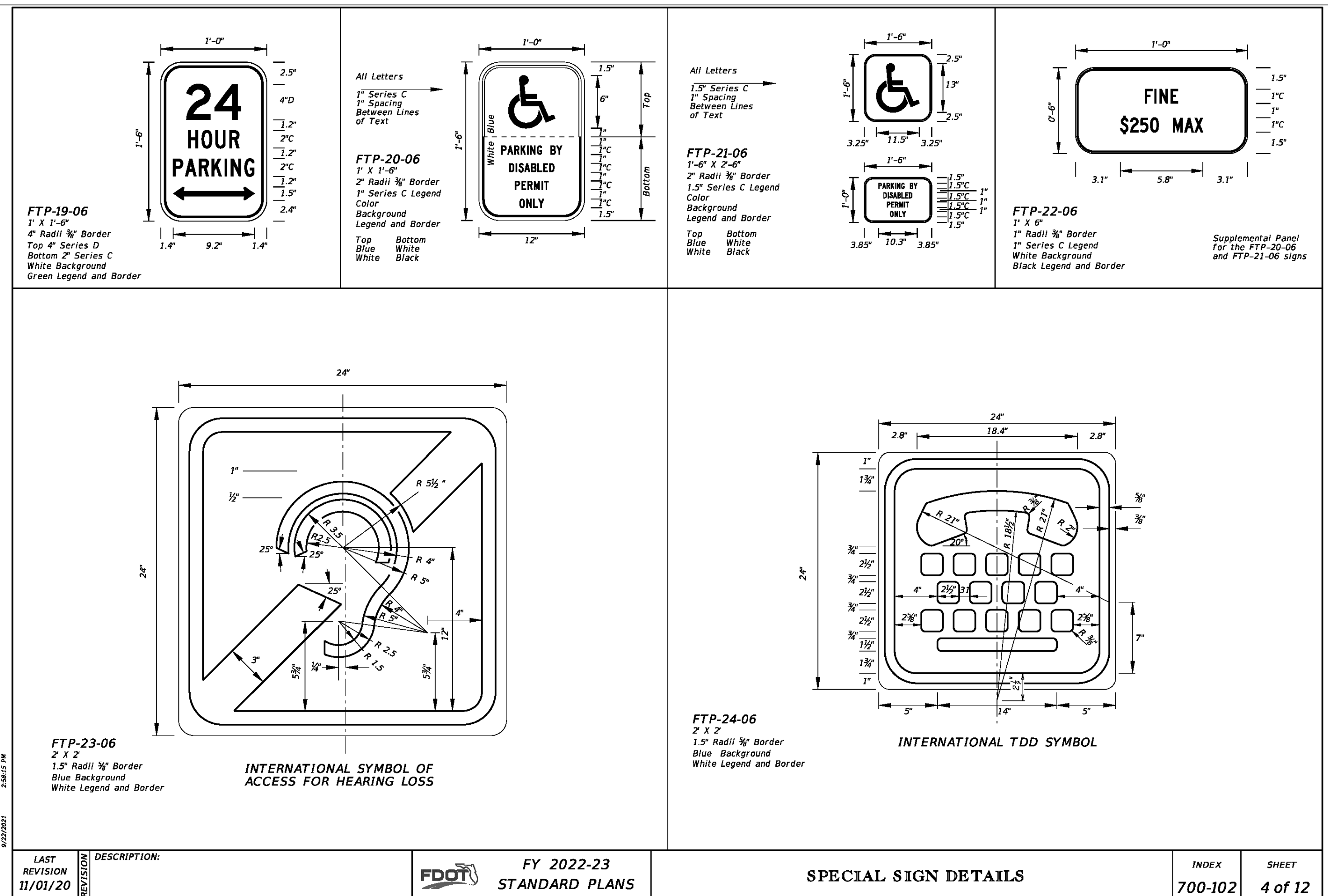
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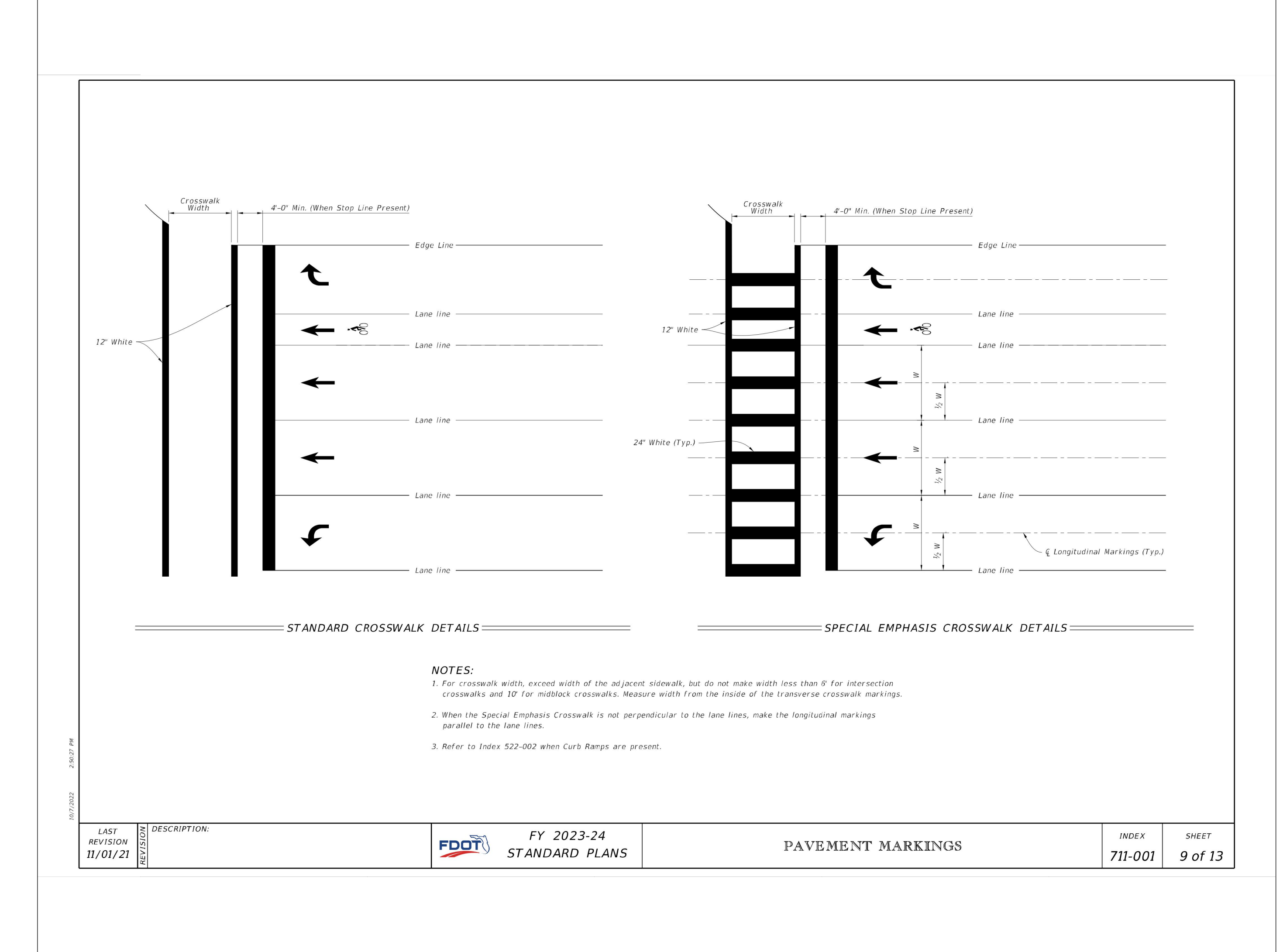
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LAST REVISION 11/01/21	DESCRIPTION: FY 2022-23 STANDARD PLANS	INDEX 711-001	SHEET 11 of 13
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LAST REVISION 11/01/20	DESCRIPTION: FY 2022-23 STANDARD PLANS	INDEX 700-102	SHEET 4 of 12
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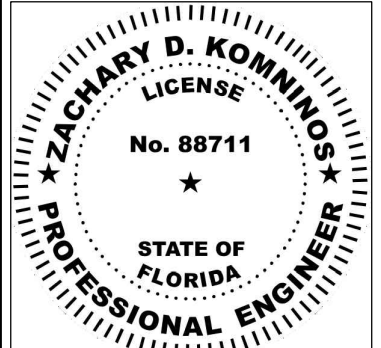


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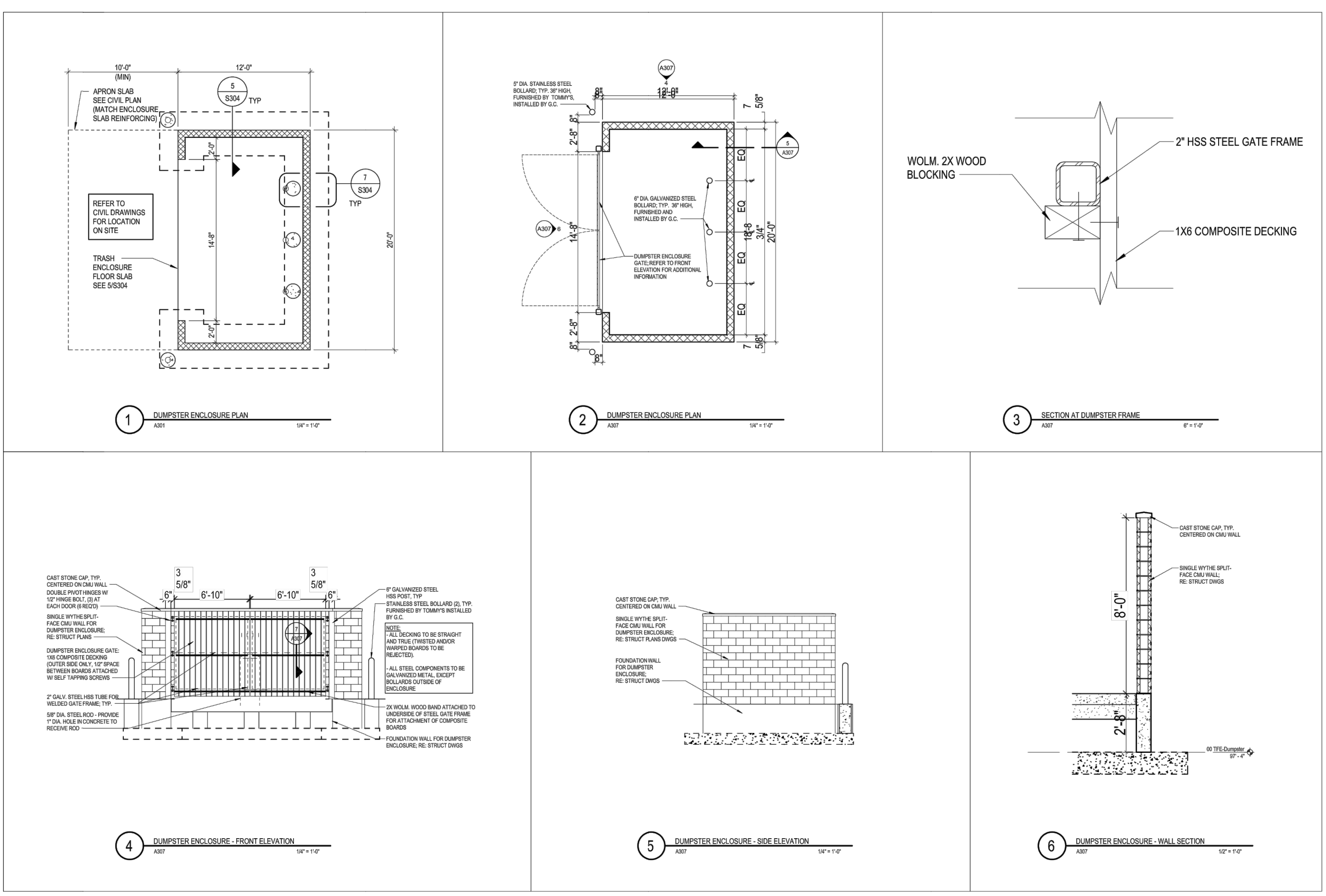
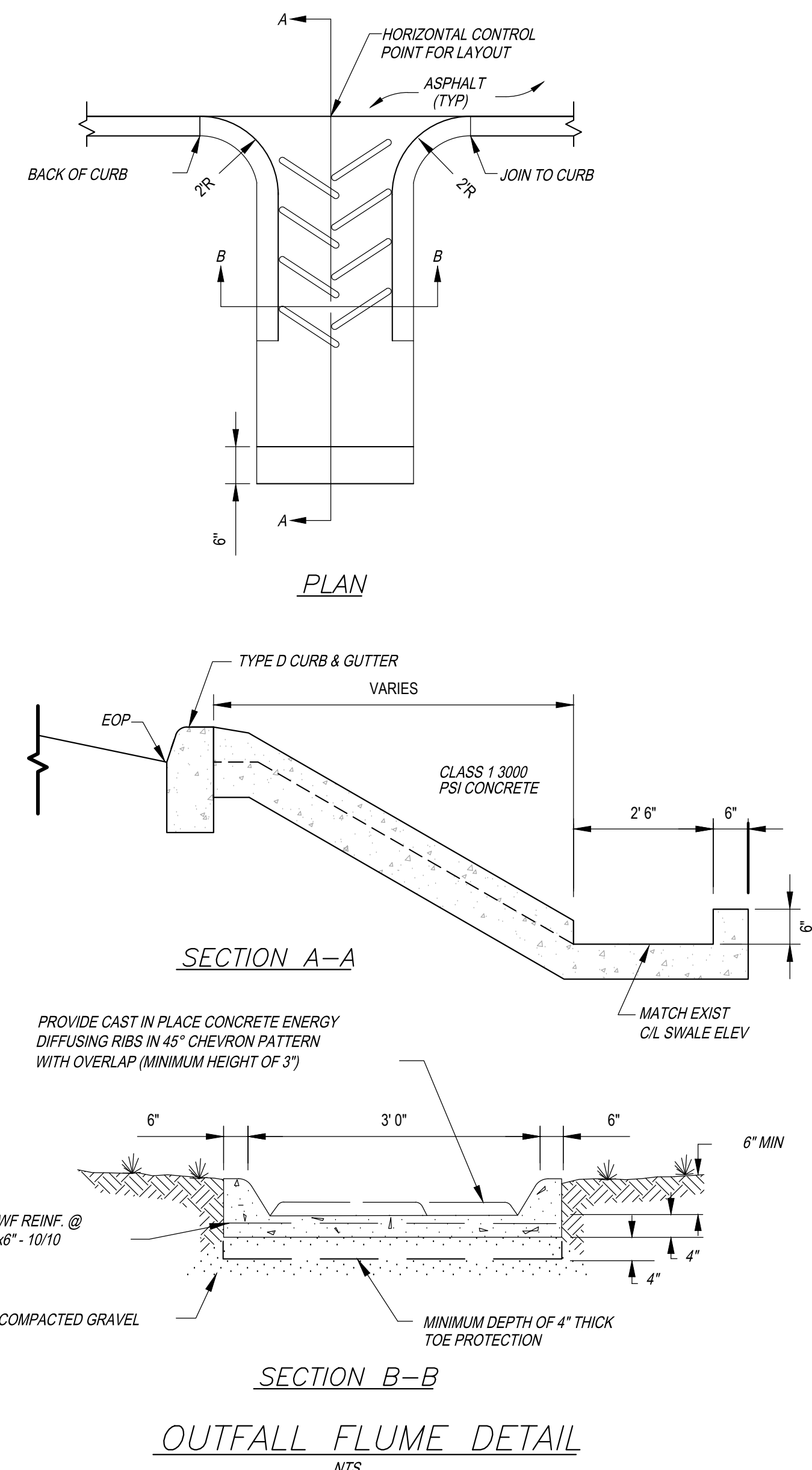
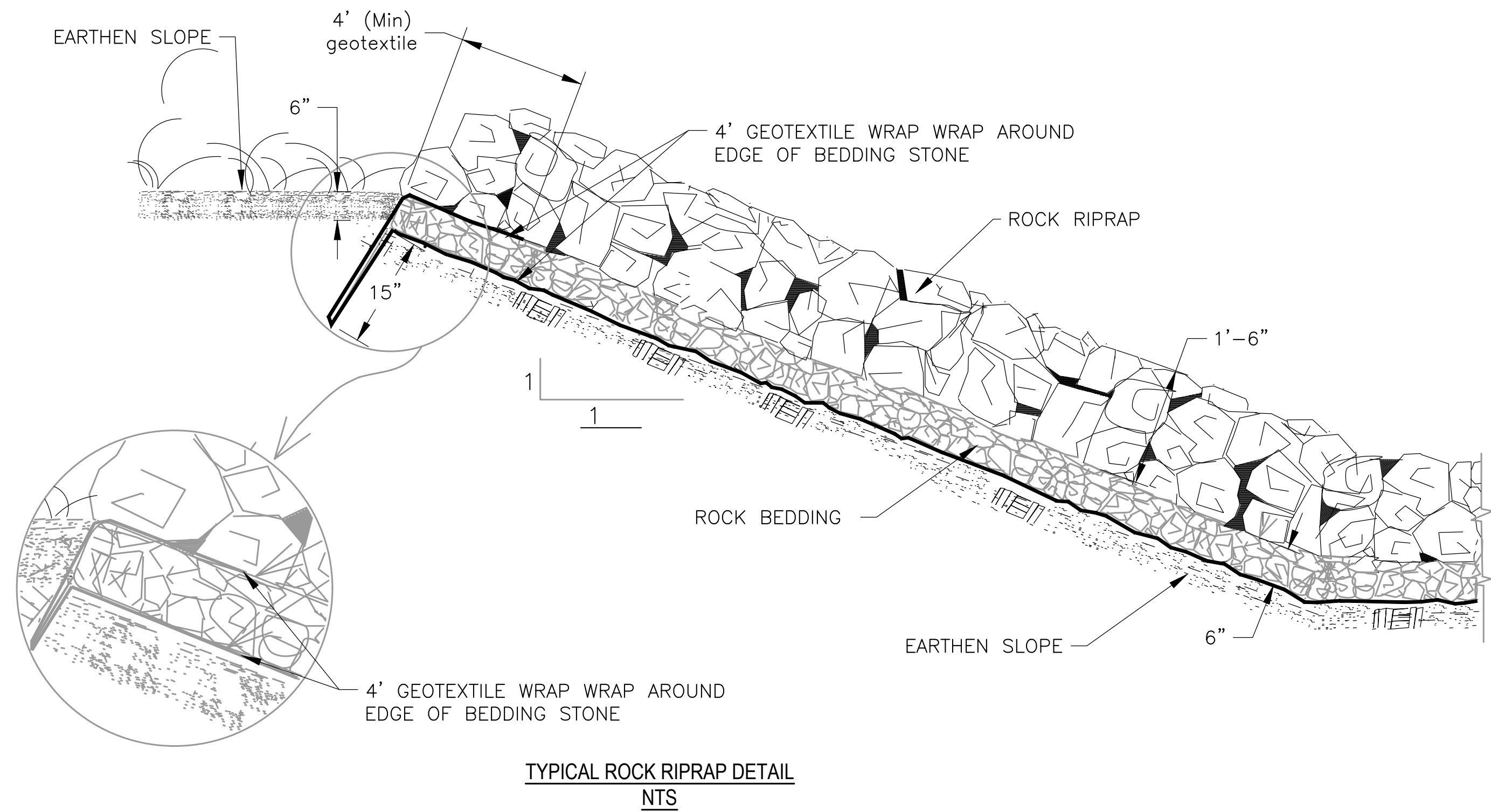
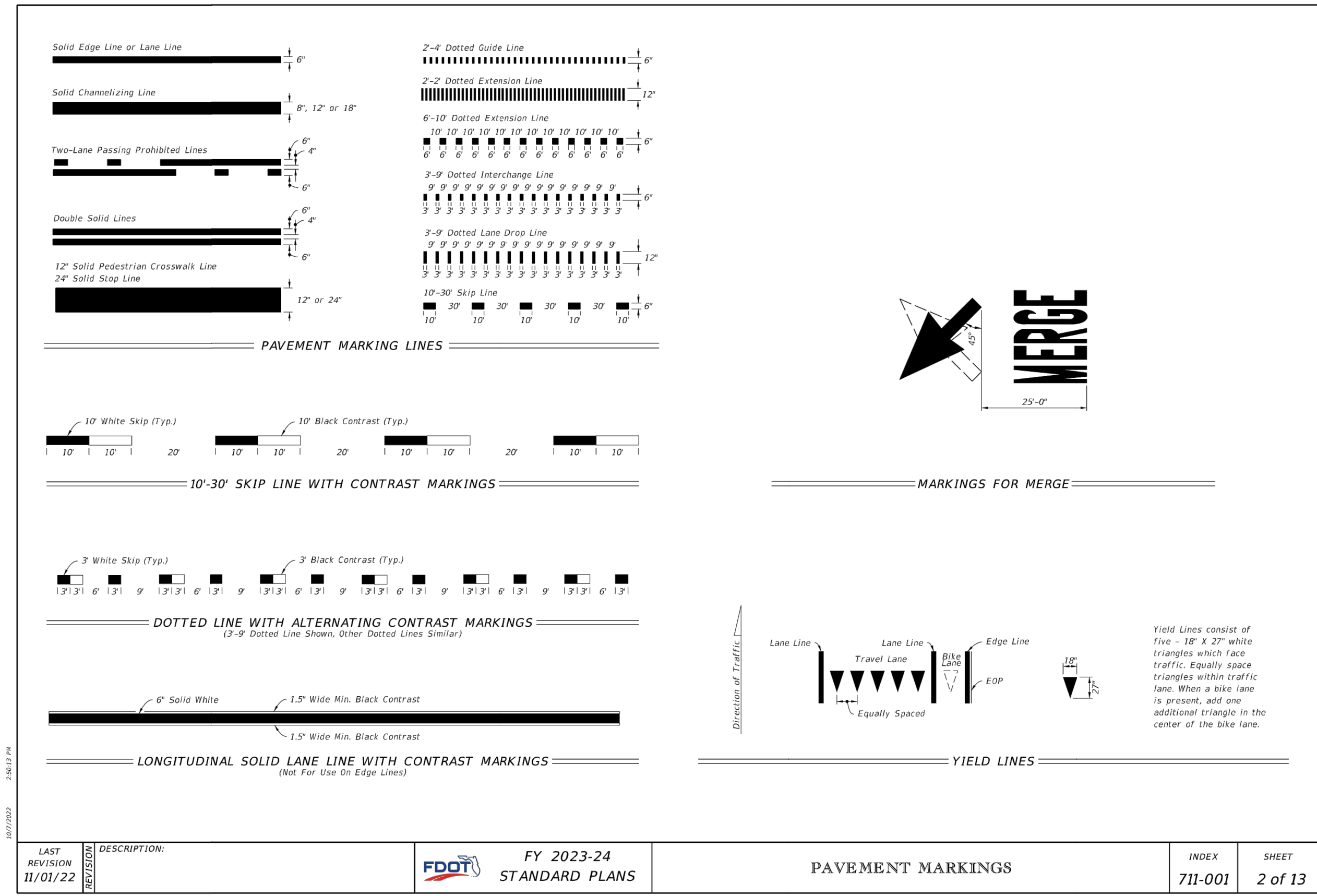
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