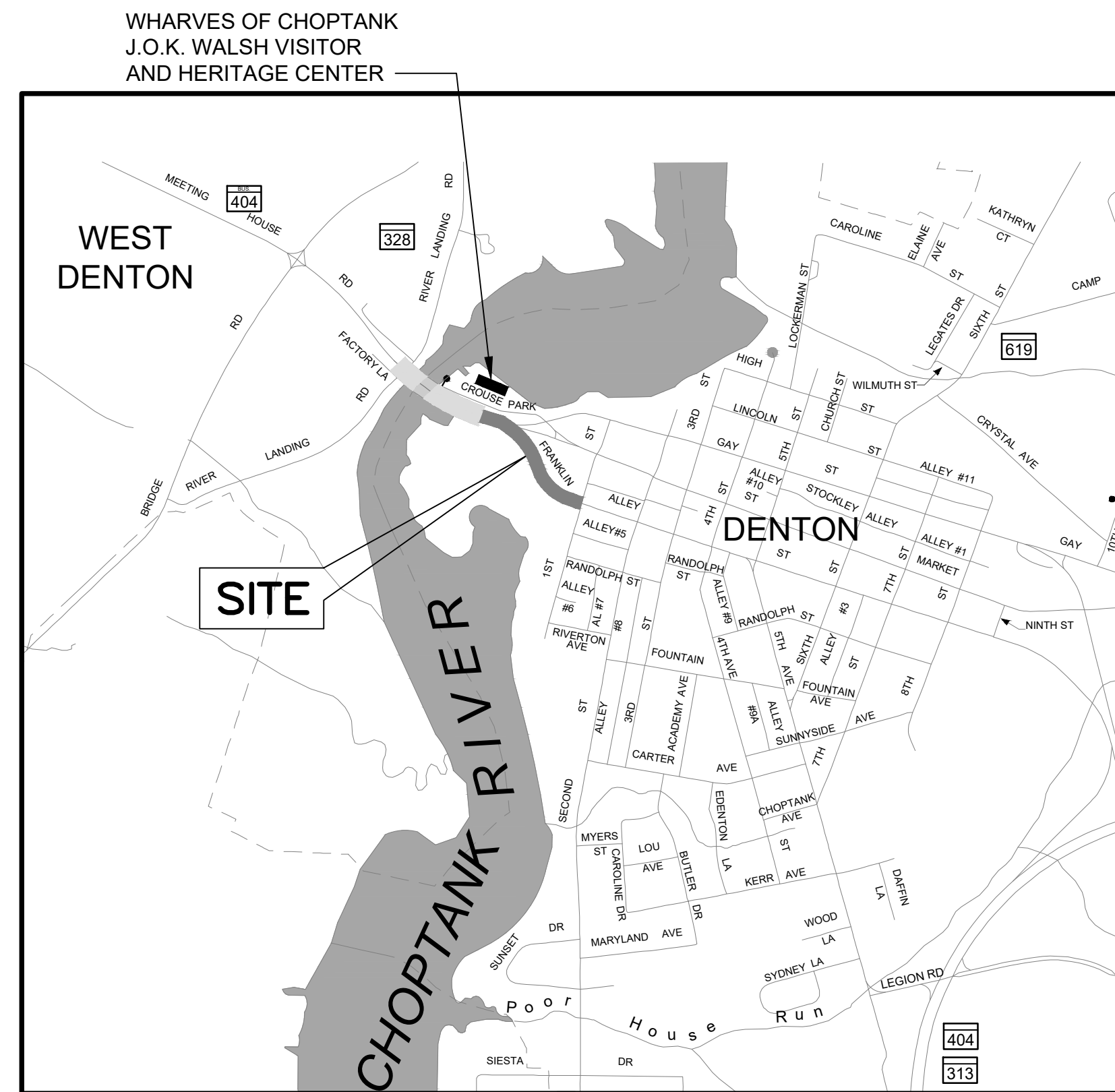


VISITOR CENTER WATER MAIN EXTENSION

TOWN OF DENTON
CAROLINE COUNTY, MARYLAND

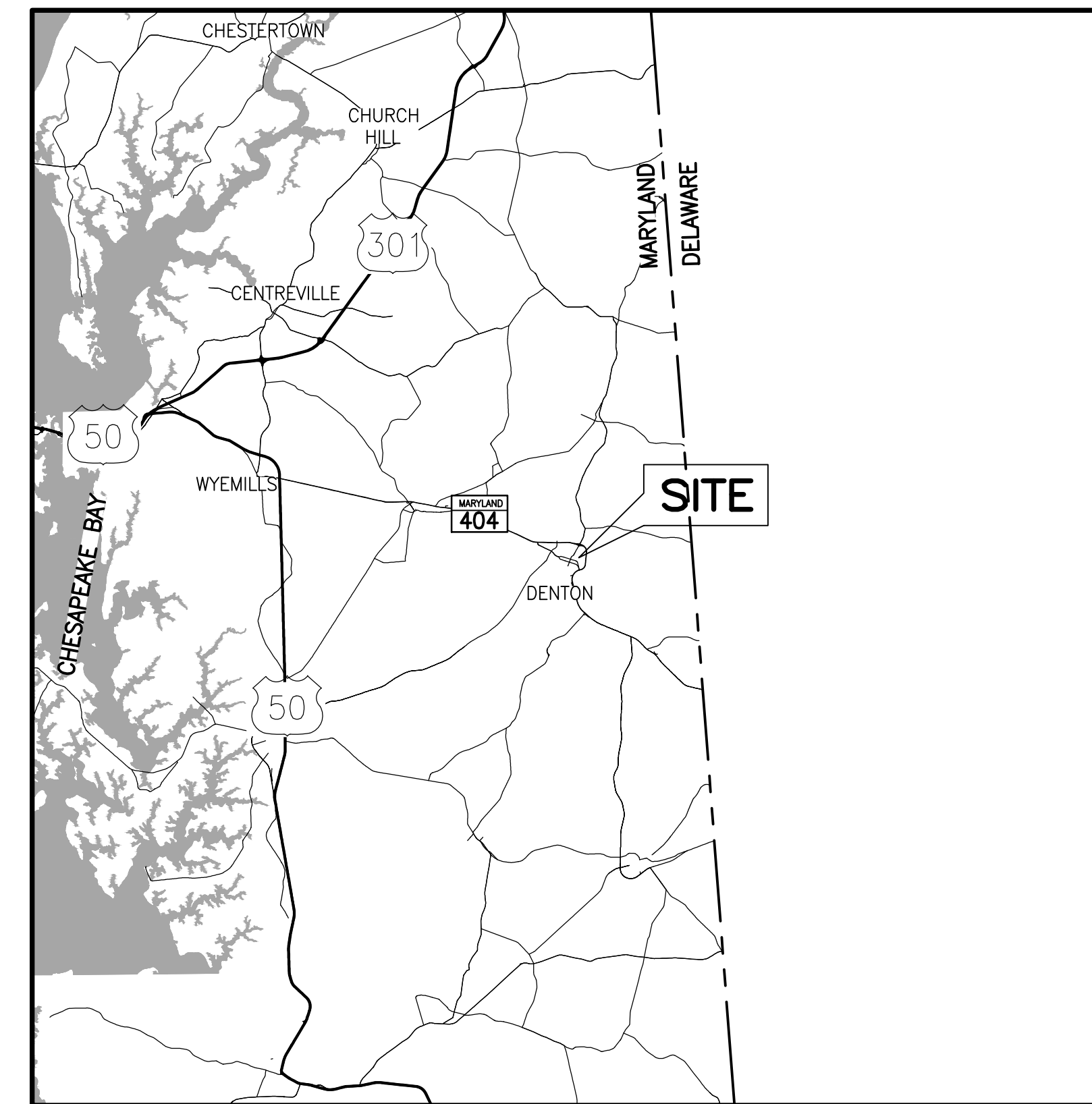
INDEX OF DRAWINGS

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LOCATION MAP

SCALE: 1" = 1,000'



VICINITY MAP

SCALE: 1" = 5 MILES



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TITLE SHEET

OWNER'S CERTIFICATION

I/WE HEREBY CERTIFY THAT ALL PROPOSED WORK SHOWN ON THESE CONSTRUCTION DRAWING(S) HAS BEEN REVIEWED BY ME/US AND THAT I/WE FULLY UNDERSTAND WHAT IS NECESSARY TO ACCOMPLISH THIS WORK AND THAT THE WORK WILL BE CONDUCTED IN STRICT ACCORDANCE WITH THESE PLANS.

TOWN ADMINISTRATOR _____

DATE _____

PROFESSIONAL CERTIFICATION. I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 30875, EXPIRATION DATE 11/29/2026.

W. MARK GARDOCKY, PE

DATE _____

NO.	DATE	REVISIONS

TOWN OF DENTON
VISITOR CENTER WATER MAIN EXTENSION

CAROLINE COUNTY, MARYLAND

DESIGN	WMG
DRAWN	AMP/KMC
CHECKED	WMG
JOB	250044
DATE	APRIL, 2026

SHEET NO.	01
SHEET	

GENERAL NOTES

- THE FOLLOWING DOCUMENTS ARE HEREBY MADE A PART OF THESE DOCUMENTS AND ALL CONSTRUCTION SHALL BE PERFORMED IN ACCORDANCE WITH LATEST EDITIONS OF THE FOLLOWING DOCUMENTS, INCLUDING ALL ADDENDA, SUPPLEMENTS OR UPDATES:
 - TOWN OF DENTON STANDARD SPECIFICATIONS AND DETAILS.
 - BOOK OF STANDARDS FOR HIGHWAY AND INCIDENTAL STRUCTURES OF THE MARYLAND DEPARTMENT OF TRANSPORTATION, STATE HIGHWAY ADMINISTRATION.
 - STANDARD SPECIFICATIONS FOR CONSTRUCTION AND MATERIALS, OF THE MARYLAND DEPARTMENT OF TRANSPORTATION, STATE HIGHWAY ADMINISTRATION.
 - MARYLAND MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MDMUTCD), 2011 EDITION, OF THE MARYLAND DEPARTMENT OF TRANSPORTATION, STATE HIGHWAY ADMINISTRATION.
 - 2011 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL PUBLISHED JOINTLY BY WATER MANAGEMENT ADMINISTRATION, NATURAL RESOURCES CONSERVATION SERVICE AND STATE ASSOCIATION OF SOIL CONSERVATION DISTRICTS.
- MARYLAND STATE HIGHWAY ADMINISTRATION (SHA) STANDARD SPECIFICATIONS ARE THE GOVERNING SPECIFICATIONS FOR THE PORTIONS OF THE PROJECT LOCATED WITHIN THE RIGHT-OF-WAY FOR MD BUSINESS ROUTE 404. TOWN OF DENTON STANDARD SPECIFICATIONS ARE THE GOVERNING SPECIFICATIONS FOR THE PORTIONS OF THE PROJECT LOCATED OUTSIDE OF THE RIGHT-OF-WAY OF MD BUSINESS ROUTE 404.
- THE CONTRACTOR SHALL NOTIFY MISS UTILITY (MD EASTERN SHORE 800-441-8355) AND THE TOWN OF DENTON AT (410-479-2050) FIVE (5) DAYS PRIOR TO BEGINNING WORK ON THIS PROJECT. THE CONTRACTOR SHALL ALSO NOTIFY THE ENGINEER AND ALL UTILITY COMPANIES, PIPELINE OWNERS, OR OTHER PARTIES AFFECTED WITHIN THE CONSTRUCTION AREA, AT LEAST SEVENTY-TWO (72) HOURS, EXCLUDING WEEKENDS AND HOLIDAYS, PRIOR TO THE START OF WORK.
- THE CONTRACTOR SHALL CONTACT THE POWER COMPANY TO BRACE ALL EXISTING POLES WITHIN 10 FEET OF THE PROPOSED WATER MAIN.
- TOPOGRAPHIC INFORMATION IS FROM CAROLINE COUNTY GEOGRAPHIC INFORMATION SYSTEM (GIS). HORIZONTAL CONTROL IS ORIENTED TO CONFORM TO THE MARYLAND GRID SYSTEM (NAD83/91). VERTICAL CONTROL IS BASED ON NAVD 88 DATUM. ALL ELEVATIONS ARE IN FEET.
- THE EXISTING UTILITIES SHOWN ARE FOR INFORMATIONAL PURPOSES ONLY, PROVIDED FROM THE BEST AVAILABLE RECORDS AND SHALL BE VERIFIED BY THE CONTRACTOR TO HIS SATISFACTION PRIOR TO CONSTRUCTION. THE TOWN OF DENTON OR THE ENGINEER DO NOT WARRANT OR GUARANTEE THE CORRECTNESS OF THE INFORMATION GIVEN. ALL EXISTING UTILITIES SHALL BE TEST PITTED/LOCATED AS NECESSARY AND IN ADVANCE OF THE PROPOSED CONSTRUCTION, IN ORDER TO PROPERLY MAKE ALL REQUIRED UTILITY CROSSINGS AND/OR CONNECTIONS. ANY DISCREPANCIES OR UTILITY CONFLICTS SHALL BE IMMEDIATELY REPORTED TO THE ENGINEER. ANY DAMAGE DONE TO THE UTILITIES DUE TO THE CONTRACTOR'S OPERATION SHALL BE REPAIRED IMMEDIATELY AT HIS OWN EXPENSE.
- NO ADDITIONAL COMPENSATION SHALL BE PERMITTED IF STONE OR CONCRETE PAVEMENT IS ENCOUNTERED DURING TRENCHING OR ANY OTHER CONSTRUCTION ACTIVITIES.
- THE CONTRACTOR SHALL EXECUTE A MAINTENANCE OF TRAFFIC (MOT) PLAN IN ACCORDANCE WITH SHA STANDARD DETAILS AND SPECIFICATIONS AND PROVIDE FOR A MINIMUM OF ONE-WAY TRAFFIC AT ALL TIMES WITH FLAGGERS UNLESS OTHERWISE INDICATED.
- THE CONTRACTOR SHALL BACKFILL ALL OPEN TRENCH EXCAVATIONS AT THE END OF EACH WORK DAY AND OPEN TRAFFIC TO NORMAL TRAFFIC.
- THE CONTRACTOR SHALL NEATLY SAWCUT EXISTING PAVING AND SIDEWALK AT JOINTS BEFORE REMOVAL.
- ALL NEW CONSTRUCTION SHALL COMPLY WITH THE TOWN OF DENTON REGULATIONS.
- ACCESS TO HOMES AND BUSINESSES ALONG ROUTE SHALL BE MAINTAINED AT ALL TIMES.
- ANY LAWNS, DRIVEWAYS, CURBS, SIDEWALKS, SIGNS, FENCES, SHRUBS, OR UTILITIES DAMAGED BY THE CONTRACTOR'S ACTIVITIES SHALL BE REPAIRED OR REPLACED AS DIRECTED BY THE TOWN OR ENGINEER, SUBJECT TO APPROVAL BY THE TOWN AND PROPERTY OWNER, AT THE CONTRACTOR'S EXPENSE.
- TRENCHES SHALL BE PAVED IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS IMMEDIATELY AFTER EACH SECTION OF UTILITY WORK IS COMPLETED AND TESTED. THE UTILITY TRENCHES SHALL BE PERMANENTLY PATCHED WITH HOT MIX ASPHALT PER SHA REQUIREMENTS FOR STATE ROADWAYS AND PER TOWN REQUIREMENTS FOR TOWN ROADWAYS. CONTRACTOR SHALL RESTRIPE ALL DISTURBED LANE MARKINGS. GRASS AREAS SHALL RECEIVE FOUR INCHES (4") MINIMUM TOPSOIL, SEED AND MULCH.
- PART OF THE PROJECT IS LOCATED INSIDE THE 100 YEAR FLOODPLAIN.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR CLEANING UP ALL DUST AND MUD ON ALL ROADS DUE TO THE VEHICLES ARRIVING AND LEAVING THE JOB SITE ON A DAILY BASIS AND AS DIRECTED BY THE ENGINEER.
- IT SHALL BE DISTINCTLY UNDERSTOOD THAT FAILURE TO MENTION SPECIFICALLY ANY WORK WHICH WOULD NORMALLY BE REQUIRED TO COMPLETE THE PROJECT SHALL NOT RELIEVE THE CONTRACTOR OF HIS RESPONSIBILITY TO COMPLETE SUCH WORK.
- THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR LOCATING AND PAYING ALL PERMIT FEES AND TEMPORARY LAND ACQUISITION COSTS FOR A TRAILER AND STORAGE SITE IF DEEMED NECESSARY BY THE CONTRACTOR. THE CONTRACTOR SHALL PROTECT THE TEMPORARY TRAILER AND STORAGE SITE(S) FROM EROSION BY INSTALLING SILT FENCE AT THE LOWER ELEVATIONS. PLACEMENT OF SILT FENCE WILL BE AT THE DISCRETION OF THE LOCAL SOIL CONSERVATION DISTRICT.
- WORKING HOURS SHALL BE BETWEEN THE HOURS OF 8:00 AM TO 4:00 PM MONDAY THROUGH FRIDAY, EXCLUDING FEDERAL HOLIDAYS AND TOWN OF DENTON HOLIDAYS. WORK ON SATURDAYS OR SUNDAYS IS PROHIBITED UNLESS SPECIFIC WRITTEN PERMISSION IS GRANTED BY THE TOWN AND STATE.
- ALL SAFETY MEASURES TO BE IMPLEMENTED DURING THE CONSTRUCTION OF THIS PROJECT ARE THE RESPONSIBILITY OF THE CONTRACTOR.
- THE CONTRACTOR SHALL TAKE ANY AND ALL PRECAUTIONS NECESSARY FOR THE PREVENTION OF ACCIDENTS AND SHALL COMPLY WITH ALL FEDERAL, STATE AND MUNICIPAL LAWS AND REGULATIONS.
- THE CONTRACTOR AND ANY AND ALL OF HIS SUBCONTRACTORS SHALL COMPLY WITH THE PROVISIONS, REQUIREMENTS, RULES AND REGULATIONS OF THE OCCUPATIONAL SAFETY AND HEALTH LAWS OF THE STATE OF MARYLAND.

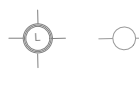




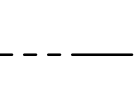

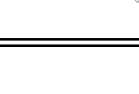
WATER NOTES

- ALL FITTINGS SHALL BE DUCTILE IRON MECHANICAL JOINT FITTINGS AND SHALL BE IN ACCORDANCE WITH AWWA C-110 AND THE REQUIREMENTS OF THE SPECIFICATIONS.
- IN ACCORDANCE WITH CODE OF MARYLAND REGULATIONS (COMAR) 26.04.01.33 DIRECT AND INDIRECT ADDITIVES, SUPPLIERS OF POTABLE WATER SHALL ONLY USE PRODUCTS (ANY MATERIALS THAT COME IN CONTACT WITH POTABLE WATER INTENDED FOR USE IN PUBLIC WATER SUPPLY) THAT MEET THE APPLICABLE AMERICAN NATIONAL STANDARDS INSTITUTE / NSF INTERNATIONAL (ANSI / NSF) STANDARDS FOR DIRECT OR INDIRECT DRINKING WATER ADDITIVES. THE PRODUCTS CAN ALSO BE CERTIFIED BY AN ORGANIZATION ACCREDITED BY THE ANSI FOR SUCH TESTING (I.E. INTERNATIONAL ASSOCIATION OF PLUMBING AND MECHANICAL OFFICIALS RESEARCH AND TESTING, ONTARIO CA, UNDERWRITERS LABORATORY, NORTHBROOK IL, AND WATER QUALITY ASSOCIATION, LISLE IL.)
- IN COMPLIANCE WITH COMAR 09.20.01.03 AND THE SAFE DRINKING WATER ACT (SECTION 1417(A)(4)(B)), MATERIALS THAT COME IN CONTACT WITH POTABLE WATER INTENDED FOR USE IN PUBLIC WATER SUPPLY SHALL COMPLY WITH THE "REDUCTION OF LEAD IN DRINKING WATER ACT", WHICH WENT INTO EFFECT IN MARYLAND IN JANUARY 2012.
- PROVIDE A MINIMUM OF 4'-0" COVER ON ALL NEW WATER MAIN PIPES, UNLESS OTHERWISE NOTED.
- THE CONTRACTOR SHALL MAINTAIN A MINIMUM VERTICAL CLEARANCE OF TWELVE INCHES (12") FOR ALL UTILITY CROSSINGS. THE CONTRACTOR SHALL MAINTAIN A MINIMUM VERTICAL CLEARANCE OF EIGHTEEN INCHES (18") FOR ALL WATER MAIN CROSSINGS OF SEWER MAINS OR STORM DRAINS. THE WATER MAIN SHALL BE LAID ABOVE THE SEWAGE (GRAVITY SEWER AND FORCE MAIN) LINE, UNLESS OTHERWISE SHOWN.
- EXISTING WATER MAINS, INCLUDING PIPE MATERIAL, FITTINGS, VALVES, FIRE HYDRANTS AND APPURTENANCES, EXCAVATED OR REMOVED FOR CONSTRUCTION OF THE NEW WATER MAIN SHALL BE REMOVED FROM THE WORK SITE AND DISPOSED OF BY THE CONTRACTOR AT AN APPROPRIATE RECEIVING FACILITY AT THE CONTRACTOR'S EXPENSE, UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
- JOINT DEFLECTION FOR DUCTILE IRON PIPE (DIP) SHALL NOT EXCEED 4 DEGREES OR 80% OF THE MAXIMUM ALLOWED BY AWWA AND/OR THE MANUFACTURER WHICHEVER IS LESSER.
- TOWN OF DENTON DEPARTMENT OF PUBLIC WORKS, STANDARD DETAILS SHALL BE USED FOR NEW CONSTRUCTION OF WATER LINES, TRENCHING, VALVES AND BUTTRESSES, UNLESS OTHERWISE NOTED OR PROVIDED IN THE DRAWINGS.
- CERTIFIED COMPACTION TESTS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE REQUIRED FOR ALL BACKFILL AREAS WITHIN THE MARYLAND STATE HIGHWAY ADMINISTRATION (MSHA) RIGHT-OF-WAY.
 - OPEN CUT TRENCH SHALL BE BACKFILLED WITH A MINIMUM OF TWELVE (12") INCHES OF COMPACTED GAB TO WITHIN TEN INCHES (10") OF THE EXISTING ROADWAY SURFACE.
 - PLACE TWO (2) EACH, FOUR INCH (4") LIFTS OF MSHA APPROVED BASE COURSE SUPERPAVE HOT MIX ASPHALT TO WITHIN TWO INCHES (2") OF EXISTING GRADE.
 - PLACE TWO INCH (2") LIFT OF MSHA APPROVED SURFACE COURSE SUPERPAVE HOT MIX ASPHALT TO MATCH EXISTING GRADE.
 - REPLACE EXISTING STRIPING AS NEEDED.
- PERMANENT ROADWAY REPAIRS WITHIN THE MARYLAND STATE HIGHWAY ADMINISTRATION RIGHT-OF-WAY SHALL BE AS FOLLOWS:
 - OPEN CUT TRENCH SHALL BE BACKFILLED WITH A MINIMUM OF TWELVE (12") INCHES OF COMPACTED GAB TO WITHIN TEN INCHES (10") OF THE EXISTING ROADWAY SURFACE.
 - PLACE TWO (2) EACH, FOUR INCH (4") LIFTS OF MSHA APPROVED BASE COURSE SUPERPAVE HOT MIX ASPHALT TO WITHIN TWO INCHES (2") OF EXISTING GRADE.
 - PLACE TWO INCH (2") LIFT OF MSHA APPROVED SURFACE COURSE SUPERPAVE HOT MIX ASPHALT TO MATCH EXISTING GRADE.
 - REPLACE EXISTING STRIPING AS NEEDED.

NOTES ON INSTALLATION OF WATER MAIN ALONG EASTBOUND MD BUSINESS ROUTE 404/FRANKLIN STREET

- INSTALLATION OF THE PROPOSED WATER MAIN ALONG THE SOUTHERN SHOULDER OF EASTBOUND MD BUSINESS ROUTE 404 / FRANKLIN STREET FROM APPROXIMATE STA 0+33 TO 9+54 SHALL BE VIA DIRECTIONAL DRILL IN ORDER TO PREVENT DISTURBANCE IN THE OFF-ROAD AREAS.
- THE CONTRACTOR SHALL HAVE ACCESS TO THE AREA FROM THE SOUTHWEST CORNER OF FRANKLIN STREET AND SOUTH 1ST STREET ON THE EASTERN END AND THE AREA OF THE JACK AND BORE RECEIVING PIT ON THE WESTERN END.
- THE CONTRACTOR SHALL ACCESS THE AREA OF THE JACK AND BORE RECEIVING PIT BY SHUTTING DOWN THE EASTBOUND LANE OF MD BUSINESS ROUTE 404 / MEETING HOUSE ROAD AND REMOVING SECTIONS OF GUARDRAIL AS NEEDED.
- A MINIMUM OF ONE LANE OF MD BUSINESS ROUTE 404 / MEETING HOUSE ROAD WITH A MINIMUM WIDTH OF 10 FT MUST BE MAINTAINED AT ALL TIMES. THE CONTRACTOR SHALL USE FLAGGERS TO ALTERNATE TRAFFIC IF TWO 10-FT WIDE LANES CANNOT BE MAINTAINED.
- THE REMOVED SECTIONS OF GUARDRAIL MUST BE BACK IN PLACE AT ALL TIMES WHEN THE RIGHT LANE OF EASTBOUND MD BUSINESS ROUTE 404 / FRANKLIN STREET IS OPEN TO TRAFFIC.
- THE LOCATIONS OF THE GUARDRAIL POSTS ON THE DRAWINGS ARE APPROXIMATED AND SHALL BE FIELD LOCATED BY THE CONTRACTOR SO THEY CAN BE ACCOUNTED FOR IN ACCESSING THE AREA OF THE JACK AND BORE RECEIVING PIT AND OTHER WORK IN THAT VICINITY.
- THE LAYDOWN AREA FOR THE HDPE PIPELINE PRIOR TO PULLBACK SHALL BE ALONG THE RIGHT SHOULDER OF EASTBOUND MD BUSINESS ROUTE 404 / FRANKLIN STREET WITH CLOSURE OF SOUTH 1ST STREET PERMITTED BY THE TOWN.
- THE CONTRACTOR SHALL NOT CREATE ANY DISTURBANCE IN THE AREAS OF WETLANDS ALONG THE SOUTHERN SHOULDER OF EASTBOUND MD BUSINESS ROUTE 404.

LEGEND

----	1 FOOT CONTOURS
-----	5 FOOT CONTOURS
- E - E - E - E -	EXIST. UG ELECTRIC
- S - S - S - S -	EXIST. SANITARY
- G - G - G - G -	EXIST. GAS LINE
- W - W - W - W -	EXIST. WATER MAIN
- SD - SD - SD - SD -	EXIST. STORM DRAIN LINE
- OHE - OHE - OHE - OHE -	EXIST. OVERHEAD ELECTRIC
- E&T - E&T - E&T - E&T -	EXIST. UG ELECTRIC & TELEPHONE
- T - T - T - T -	EXIST. UG TELEPHONE
- C - C - C - C -	EXIST. UG CABLE TV
- UK - UK - UK - UK -	EXIST. UG UNKNOWN UTILITY
	EXIST. LIGHT POLE, UTILITY POLE, POLE ANCHOR, ELEC. HANDHOLE
	EXIST. WATER VALVE, GAS VALVE, FIRE HYDRANT
	EXIST. STORM DRAIN MANHOLE, SANITARY MANHOLE
	EXIST. SIGN
	EXIST. MAILBOX
	SOIL BORING
----	UTILITY EASEMENT
-----	PROPERTY LINE
	EXIST. TREES
=====	PROP. RAW WATER
	PROP. WATER VALVE
FW FW	FLOODWAY
FP FP	100-YEAR FLOODPLAIN
x x x x	EXIST. FENCE
-o-o-o-o-	EXIST. GUARDRAIL
WB WB	NON-TIDAL WETLANDS BUFFER
TWL TWL	EXIST. TIDAL WETLANDS
----	EXIST. STREAM/RIVER
=====	EXIST. PAVEMENT, CURB AND GUTTER
=====	EXIST. INLET
-----	EXIST. CONCRETE SIDEWALK

ABBREVIATIONS

>	GREATER THAN	MH	MANHOLE
<	LESS THAN	MIN	MINIMUM
C	CONDUIT	PP	POWER POLE
CI	CAST IRON, CURB INLET	PROP	PROPOSED
CIP	CAST IRON PIPE	PVC	POLYVINYL CHLORIDE
CO	CLEANOUT	RED	REDUCER
C/L	CENTERLINE	VB	VERTICAL BEND
DIP	DUCTILE IRON PIPE	SD	STORM DRAIN
ESM'T	EASEMENT	SS	SANITARY SEWER
E, ELEC	ELECTRICAL	SHC	SEWER HOUSE CONNECTION
ESC	EROSION SEDIMENT CONTROL	T, TEL	TELEPHONE
EX	EXISTING	TW	TOP OF WATER MAIN
FH	FIRE HYDRANT	TYP	TYPICAL
FHT	FIRE HYDRANT TEE	UP	UTILITY POLE
GV	GATE VALVE	W/	WITH
HB	HORIZONTAL BEND	W/O	WITHOUT
INV	INVERT	W	WATER
LP	LIGHT POLE	WHC	WATER HOUSE CONNECTION
MAX	MAXIMUM	WV	WATER VALVE

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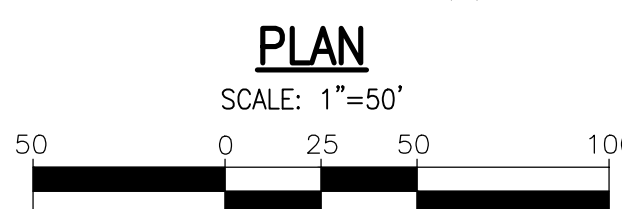
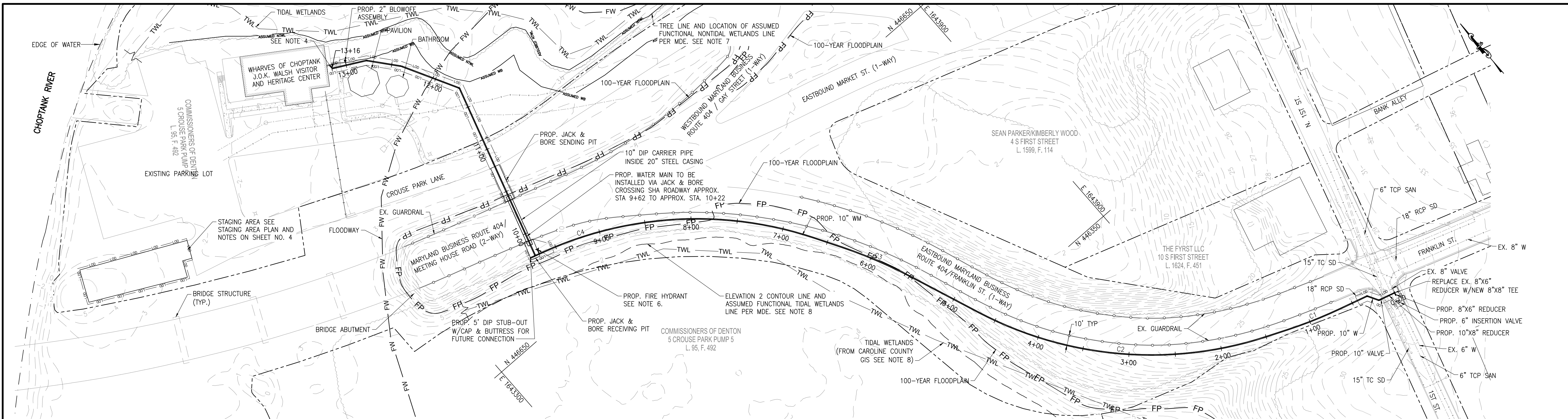
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DESIGN	WMG	SHEET NO.	
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JOB	250044	SHEET 2 OF 10	
DATE	APRIL, 2026		

NO.	DATE	REVISIONS

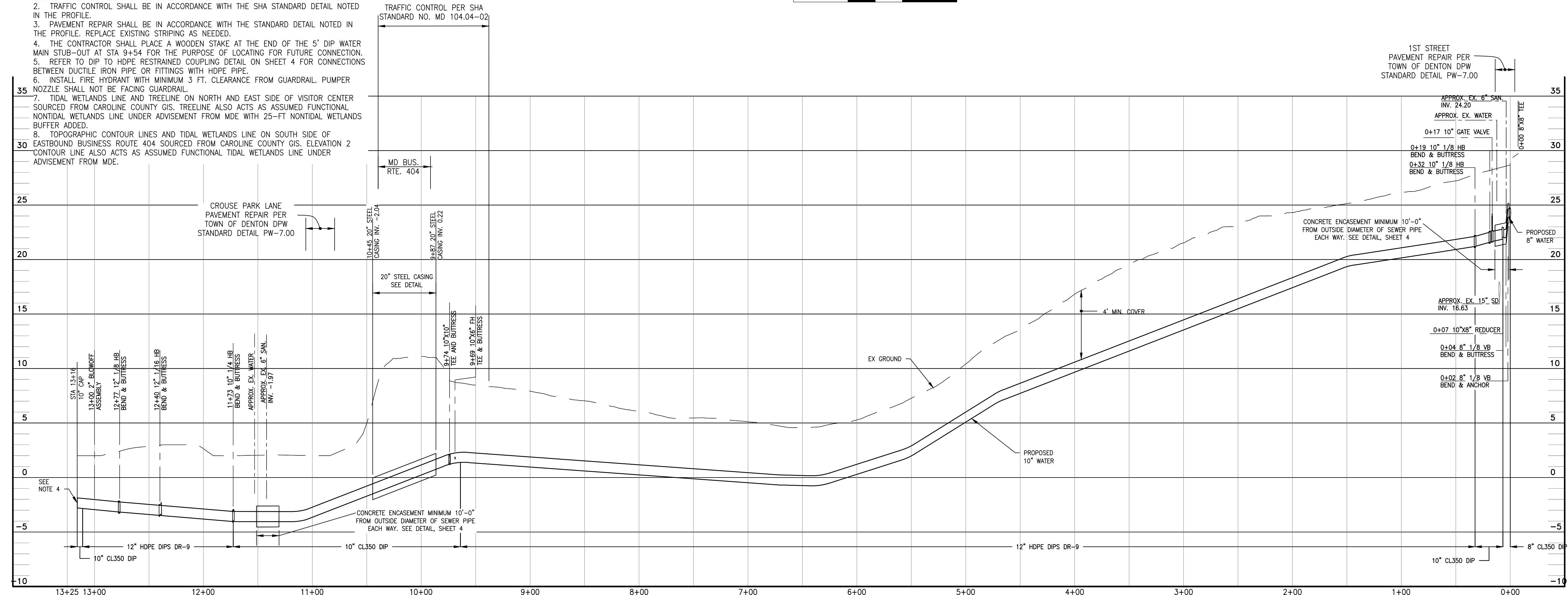
TOWN OF DENTON
 VISITOR CENTER WATER MAIN EXTENSION

 CAROLINE COUNTY, MARYLAND

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- NOTES**
1. THE CONTRACTOR SHALL LOCATE AND VERIFY ALL EXISTING UTILITIES. THE CONTRACTOR SHALL TEST PIT EACH UTILITY CROSSING EXCLUDING WATER SERVICE CONNECTIONS AND SEWER SERVICE CONNECTIONS. THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY DISCREPANCIES BETWEEN TEST PIT FINDINGS AND INFORMATION SHOWN ON THESE PLANS.
 2. TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH THE SHA STANDARD DETAIL NOTED IN THE PROFILE.
 3. PAVEMENT REPAIR SHALL BE IN ACCORDANCE WITH THE STANDARD DETAIL NOTED IN THE PROFILE. REPLACE EXISTING STRIPING AS NEEDED.
 4. THE CONTRACTOR SHALL PLACE A WOODEN STAKE AT THE END OF THE 5' DIP WATER MAIN STUB-OUT AT STA 9+54 FOR THE PURPOSE OF LOCATING FOR FUTURE CONNECTION.
 5. REFER TO DIP TO HDPE RESTRAINED COUPLING DETAIL ON SHEET 4 FOR CONNECTIONS BETWEEN DUCTILE IRON PIPE OR FITTINGS WITH HDPE PIPE.
 6. INSTALL FIRE HYDRANT WITH MINIMUM 3 FT. CLEARANCE FROM GUARDRAIL. PUMPER NOZZLE SHALL NOT BE FACING GUARDRAIL.
 7. TIDAL WETLANDS LINE AND TREELINE ON NORTH AND EAST SIDE OF VISITOR CENTER SOURCED FROM CAROLINE COUNTY GIS. TREELINE ALSO ACTS AS ASSUMED FUNCTIONAL NONTIDAL WETLANDS LINE UNDER ADVISEMENT FROM MDE WITH 25-FT NONTIDAL WETLANDS BUFFER ADDED.
 8. TOPOGRAPHIC CONTOUR LINES AND TIDAL WETLANDS LINE ON SOUTH SIDE OF EASTBOUND BUSINESS ROUTE 404 SOURCED FROM CAROLINE COUNTY GIS. ELEVATION 2 CONTOUR LINE ALSO ACTS AS ASSUMED FUNCTIONAL TIDAL WETLANDS LINE UNDER ADVISEMENT FROM MDE.



WATER MAIN PROFILE
SCALE: HOR.: 1"=50'
VERT.: 1"=5'

WATER MAIN STAKEOUT CHART

STATION	ITEM	NORTHING	EASTING
0+00	8"X8" TEE	446081.34	1644082.57
0+07	10"X8" REDUCER	446083.14	1644076.09
0+17	10" GATE VALVE	446085.77	1644066.63
0+19	10" 1/8 HB	446086.37	1644064.46
0+32	10" 1/8 HB	446098.19	1644057.82
9+69	10"X6" FH TEE	446719.21	1643414.76
9+74	10"X10" TEE	446720.65	1643409.97
11+73	12" 1/4 HB	446910.93	1643467.07
12+40	12" 1/16 HB	446969.95	1643435.30
12+77	12" 1/8 HB	446999.08	1643411.25
13+00	2" BLOWOFF ASSEMBLY	447009.67	1643391.28

CURVE DATA

CURVE NO.	LENGTH	RADIUS	PC	PT	DELTA CORD
C1	61.44	500'	0+64	1+26	61.40
C2	321.24	400'	1+49	4+70	312.67
C3	81.26	500'	5+53	6+34	81.17
C4	299.16	400'	6+65	9+64	292.24

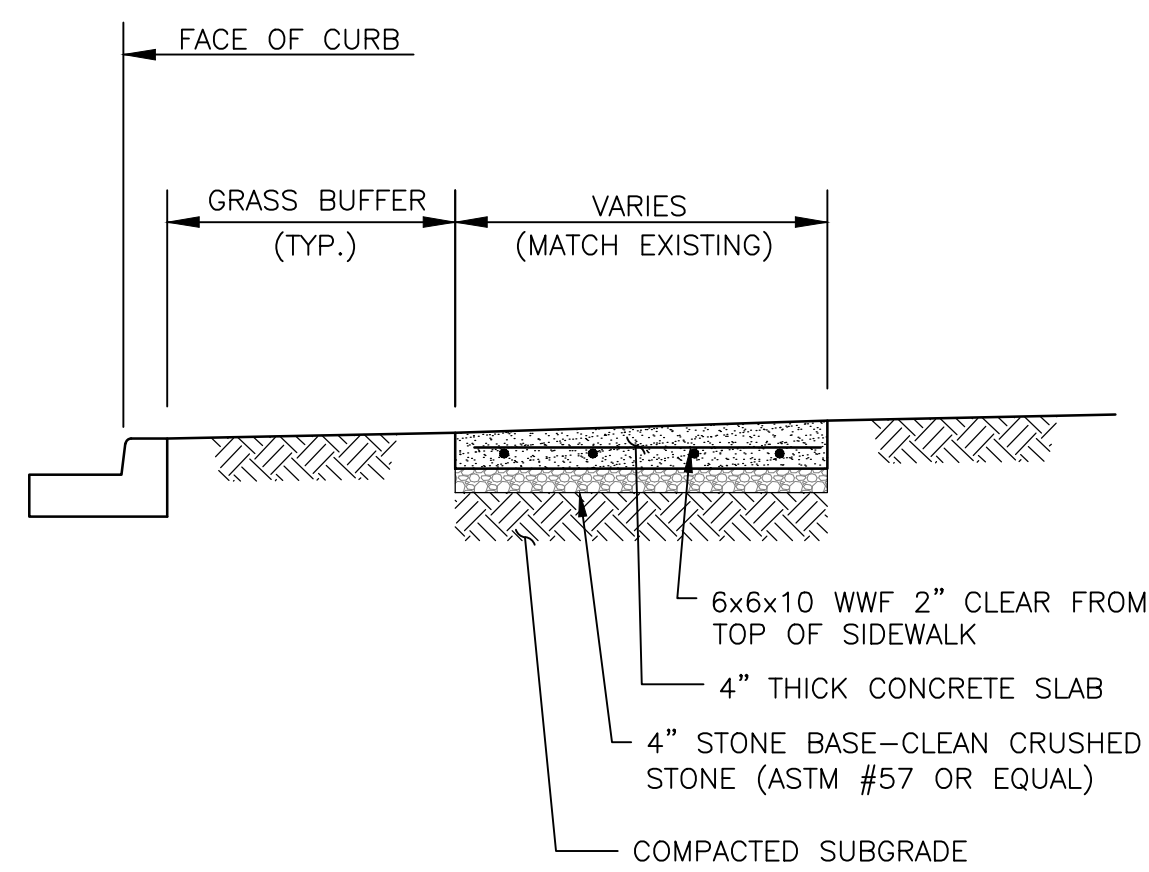


WATER MAIN PLAN AND PROFILE

NO.	DATE	REVISIONS

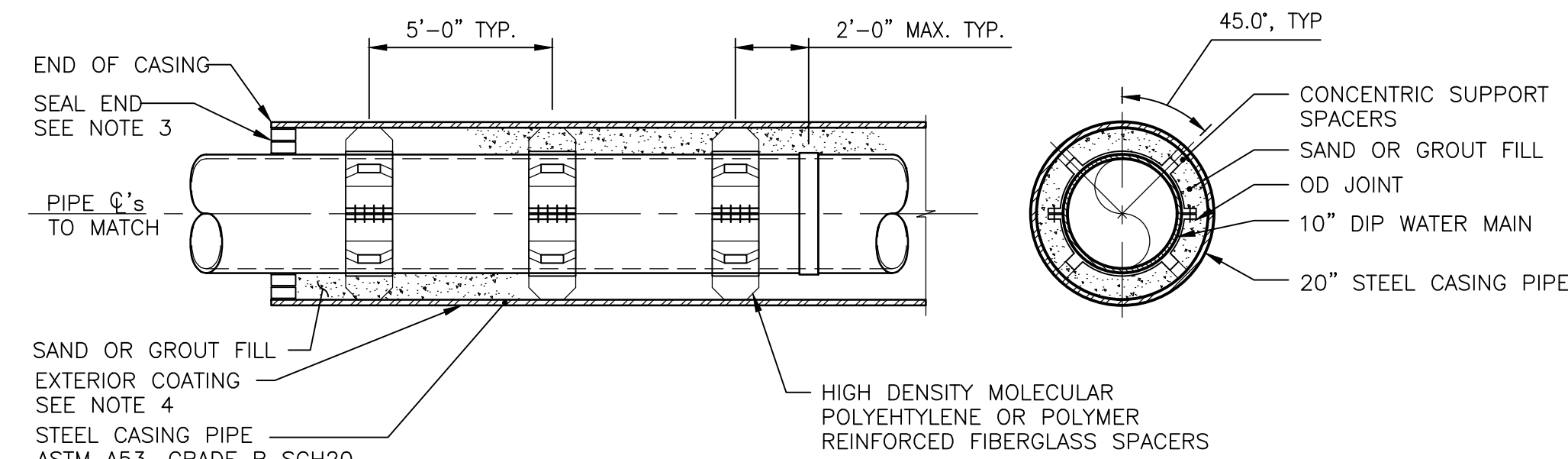
TOWN OF DENTON
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DESIGN WMG	SHEET NO.
DRAWN AMP/KMC	03
CHECKED WMG	JOB 250044
DATE APRIL, 2026	SHEET 3 OF 10



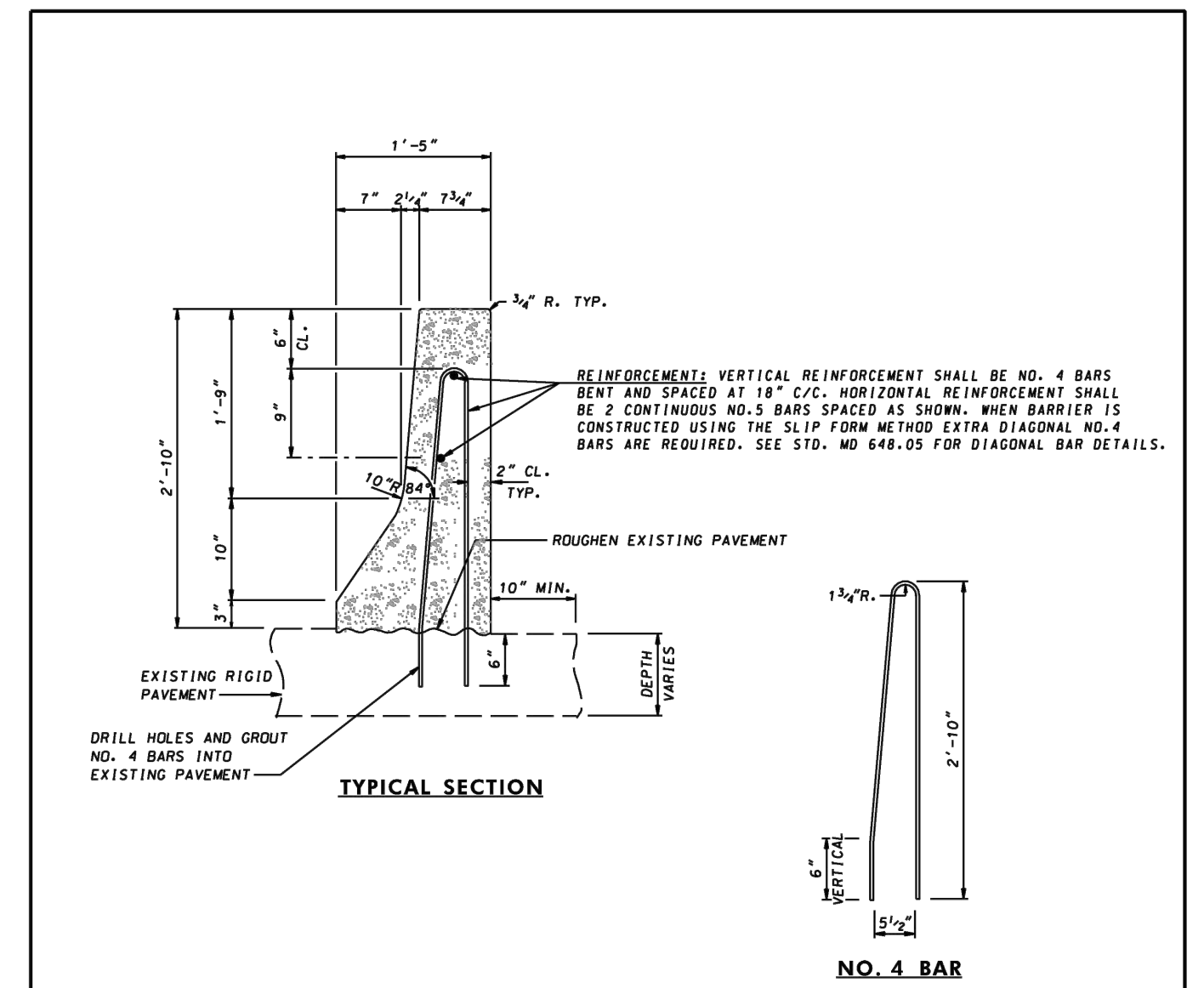
- NOTES:
- CONCRETE SIDEWALKS SHALL BE REMOVED TO THE NEAREST JOINT PROVIDED THE JOINT IS MORE THAN ONE FOOT (1'-0") FROM THE EDGE OF ANY UTILITY TRENCH OR EXCAVATION.
 - CONTRACTOR SHALL STRIKE CONTROL JOINTS EVERY 5'-0" AND PLACE EXPANSION JOINTS EVERY 20'-0".
 - CONTRACTOR TO INSTALL 1/2" PREFORMED EXPANSION JOINT MATERIAL AT ALL EXPANSION JOINTS AND WHERE SIDEWALK ABUTS CONCRETE CURB, FOUNDATIONS, APRONS OR OTHER CONCRETE STRUCTURES.
 - MATCH EXISTING SIDEWALK ELEVATION WHEN JOINING NEW SIDEWALK WITH EXISTING SIDEWALK.
 - PROVIDE 3/4" RADIUS IN ALL EDGES. BROOM FINISH SURFACE.
 - MULTIPLE ADJACENT PANELS GREATER THAN OR EQUAL TO FIFTEEN FEET (15') IN LENGTH SHALL NOT BE REPLACED. ONLY ISOLATED SIDEWALK PANELS MAY BE REPLACED.

CONCRETE SIDEWALK REPLACEMENT
NOT TO SCALE



- NOTES:
- THE CONTRACTOR SHALL SUBMIT DETAILS OF THE APPROPRIATE PIPE CASING INSTALLATION FOR REVIEW AND APPROVAL BY THE ENGINEER IN ADVANCE OF START OF PROJECT. ALTERNATE METHODS OF SUPPORTING AND MAINTENANCE OF POSITION OF CARRIER PIPE WITH RESPECT TO THE CASING PIPE WILL BE CONSIDERED.
 - PLACE SKID ALONG TOP OF CARRIER PIPE TO PREVENT PIPE FROM ROLLING OR FLOATING. SAND OR GROUT SHALL BE PLACE BETWEEN THE CASING PIPE AND CARRIER PIPE. GROUT PLACEMENT TO BE DONE BY PRESSURE GROUTING. GRAVITY FLOW INSTALLATION OF GROUT IS NOT PERMITTED.
 - ALL CARRIER PIPE JOINTS SHALL BE RESTRAINED WITHIN CASING.
 - CASING PIPE ENDS SHALL BE SEALED.
 - THE EXTERIOR OF THE CASING PIPE SHALL HAVE A FACTORY APPLIED BITUMINOUS COATING. THE FIELD CONNECTION SHALL ALSO BE BITUMINOUS COATED BEFORE INSTALLATION. BITUMINOUS COATING SHALL MEET THE REQUIREMENTS OF AWWA C210.

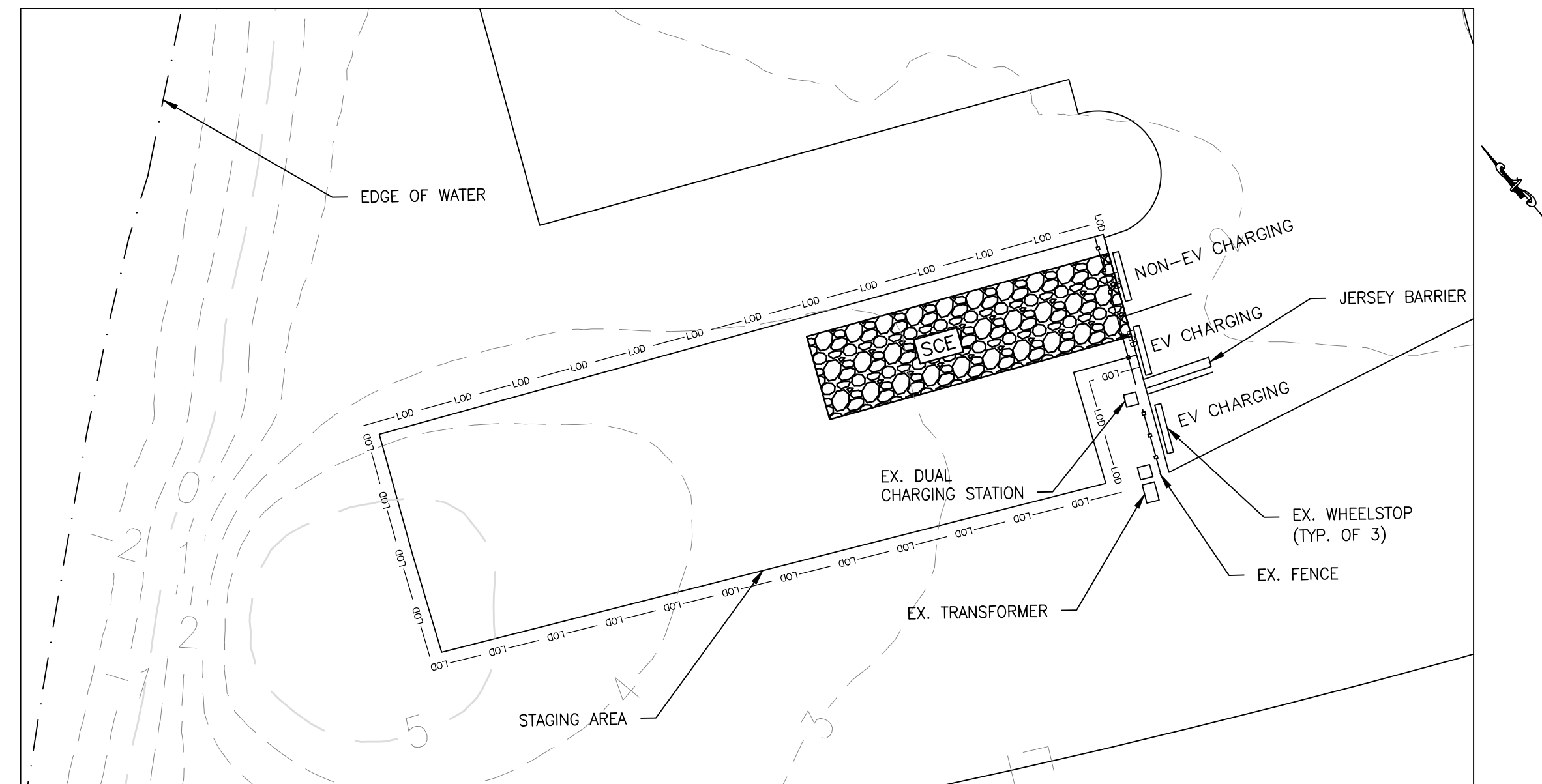
CASING DETAIL
NOT TO SCALE



- NOTES
- THE BARRIER SHALL BE CONSTRUCTED USING CONCRETE MIX NO. 6 CONTINUOUSLY PLACED.
 - THE BARRIER SHALL BE CAST USING THE FIXED FORM OR THE SLIP FORM CONSTRUCTION METHOD.
 - ALL REINFORCEMENT BARS, INCLUDING ENDS, SHALL BE EPOXY COATED. ALL BAR LAPS TO BE 30 BAR DIAMETERS. TIE BARS TOGETHER. VERTICAL NO. 4 BARS SHALL GRADE 40.
 - SPACING OF CONTRACTION JOINTS SHALL BE 20 FEET REGARDLESS OF CONSTRUCTION METHOD.
 - COST OF LABOR, ALL REINFORCEMENT, DRILLED HOLES, GROUT, EQUIPMENT, ETC., SHALL BE INCIDENTAL TO THE CONTRACT UNIT PRICE PER LINEAR FOOT FOR CONCRETE TRAFFIC BARRIER SINGLE FACE CONSTRUCTED ON EXISTING CONCRETE PAVEMENT.
 - TO BE USED AS FREE STANDING BARRIER ONLY (NO BACKING).
 - TOLERANCES IN DIMENSIONS SHOWN SHALL BE WITHIN 1/4".
 - CONDUITS: IF REQUIRED REFER TO STD. MD 648.06 FOR LOCATION.

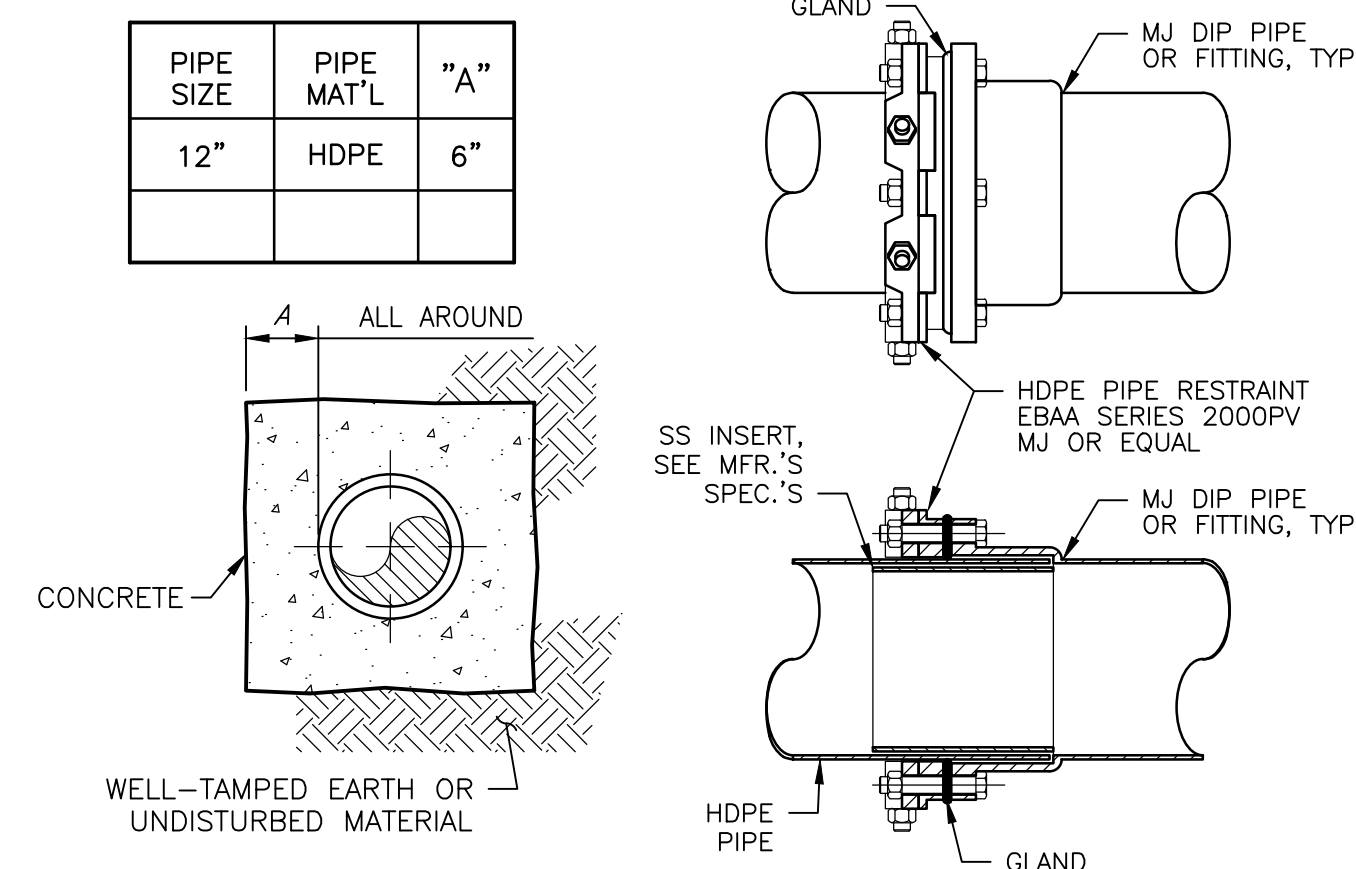
JERSEY SHAPE - FOR REPLACEMENT PURPOSES ONLY

SPECIFICATION 604	CATEGORY CODE ITEMS	Maryland Department of Transportation STATE HIGHWAY ADMINISTRATION STANDARDS FOR HIGHWAYS AND INCIDENTAL STRUCTURES CONCRETE JERSEY SHAPE TRAFFIC BARRIER SINGLE FACE CONSTRUCTED ON EXISTING CONCRETE PAVEMENT STANDARD NO. MD 648.04
APPROVED	 K. G. MILES PROJECT ENGINEER STATE HIGHWAY ADMINISTRATION APPROVAL - SHA FEDERAL HIGHWAY ADMINISTRATION APPROVAL - FEDERAL HIGHWAY ADMINISTRATION DATED: 10-1-01 REVISED: 3-28-01	



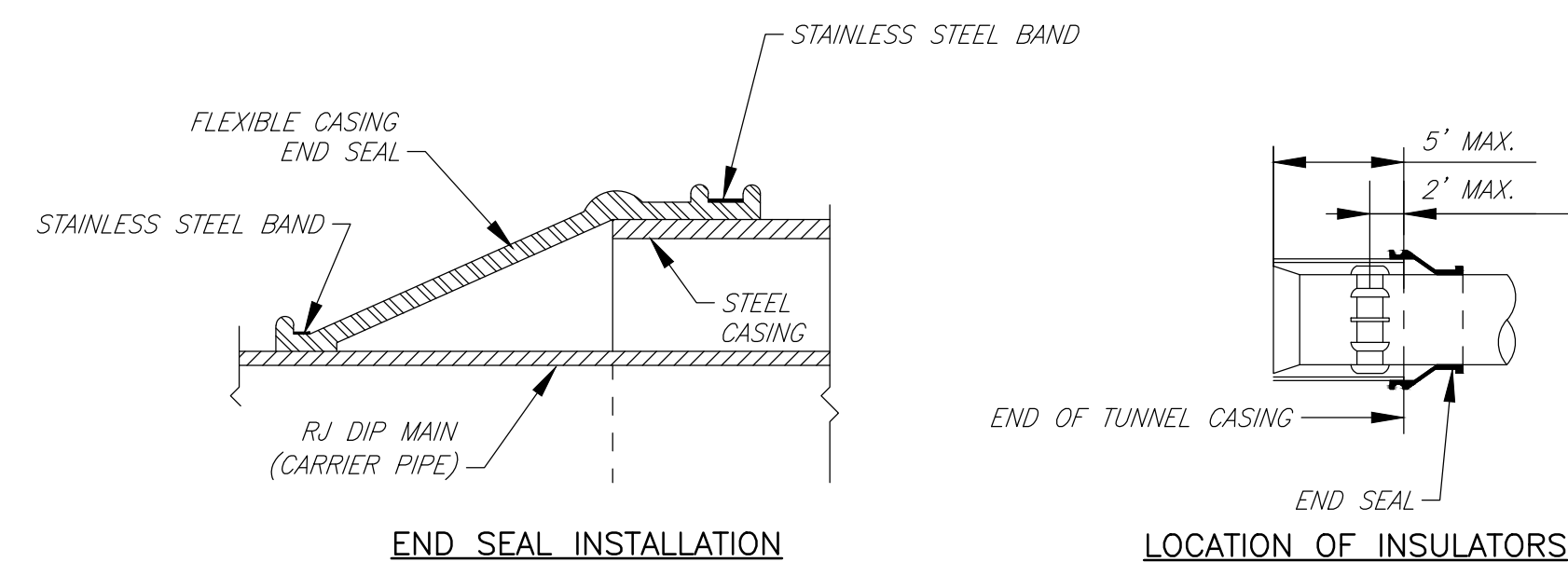
STAGING AREA PLAN AND NOTES
NOT TO SCALE

- THE CONTRACTOR MAY USE THE AREA INDICATED ABOVE AS A STAGING AREA FOR THE PROJECT. IF IT IS TO BE USED, THE FOLLOWING NOTES ARE APPLICABLE.
- THE CONTRACTOR SHALL REMOVE THE WHEEL STOPS, SIGNAGE, AND WOODEN FENCE AND REPLACE THEM AFTER USE OF THE AREA IS COMPLETE.
 - THE NORTHERN TWO PARKING SPOTS MAY BE TAKEN OUT OF PUBLIC USE DURING THAT TIME BUT THE SOUTHERN—MOST PARKING SPOT MUST BE KEPT AVAILABLE FOR USE AT ALL TIMES.
 - THE CONTRACTOR SHALL INSTALL A JERSEY BARRIER (SHA STANDARD NO. MD 648.04) AS INDICATED WHILE THE AREA IS BEING USED.
 - FOLLOWING CONSTRUCTION, THE STAGING AREA, PARKING SPOTS AND OTHER FEATURES ARE TO BE RESTORED TO PRE-CONSTRUCTION CONDITIONS, THE COST OF WHICH SHALL BE INCLUDED IN THE PRICES BID.

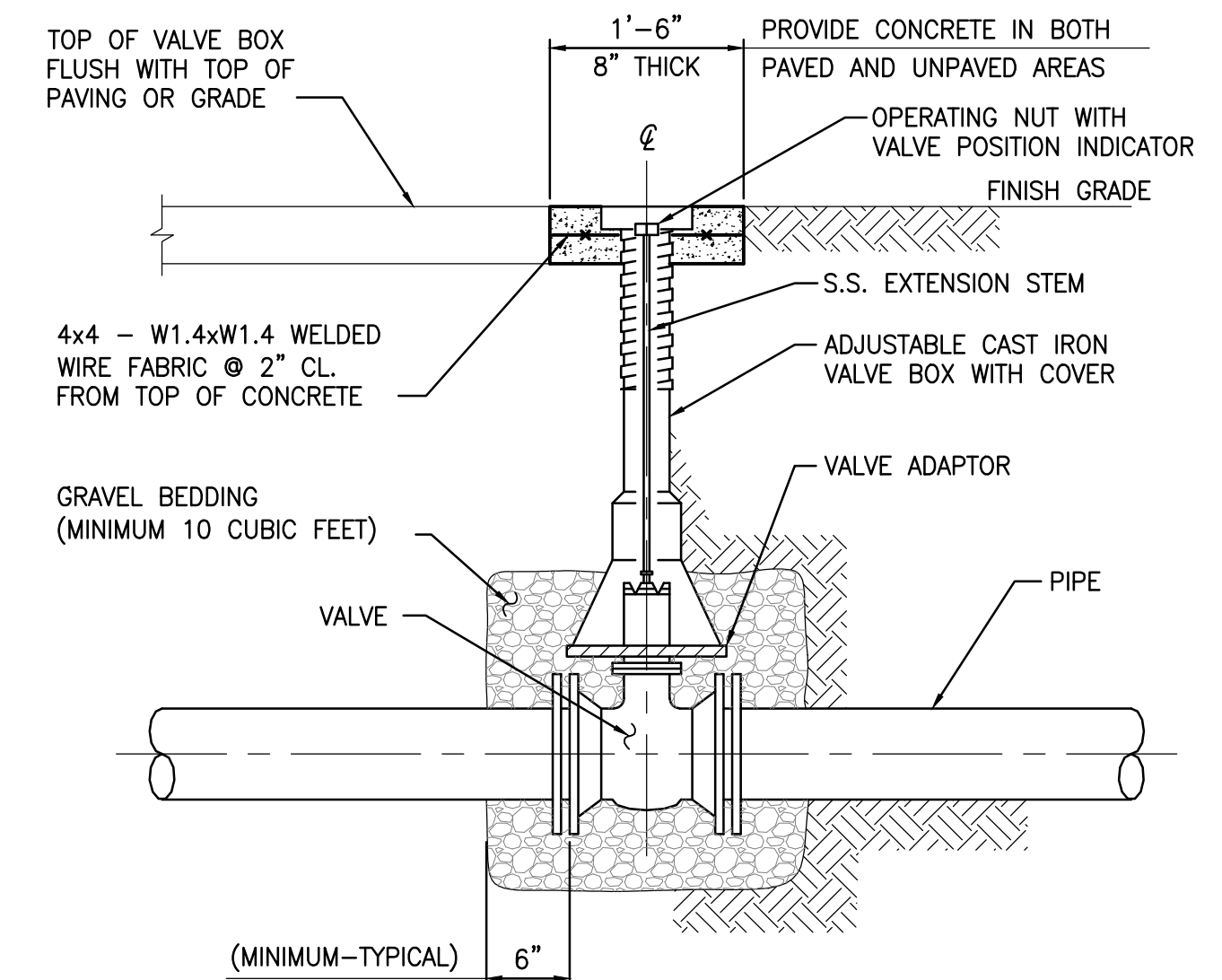


CONCRETE ENCASEMENT
NOT TO SCALE

DIP TO HDPE RESTRAINED COUPLING
NOT TO SCALE



STEEL SLEEVE/CASING DETAIL
NO SCALE



VALVE & ROADWAY BOX
NOT TO SCALE

NO.	DATE	REVISIONS

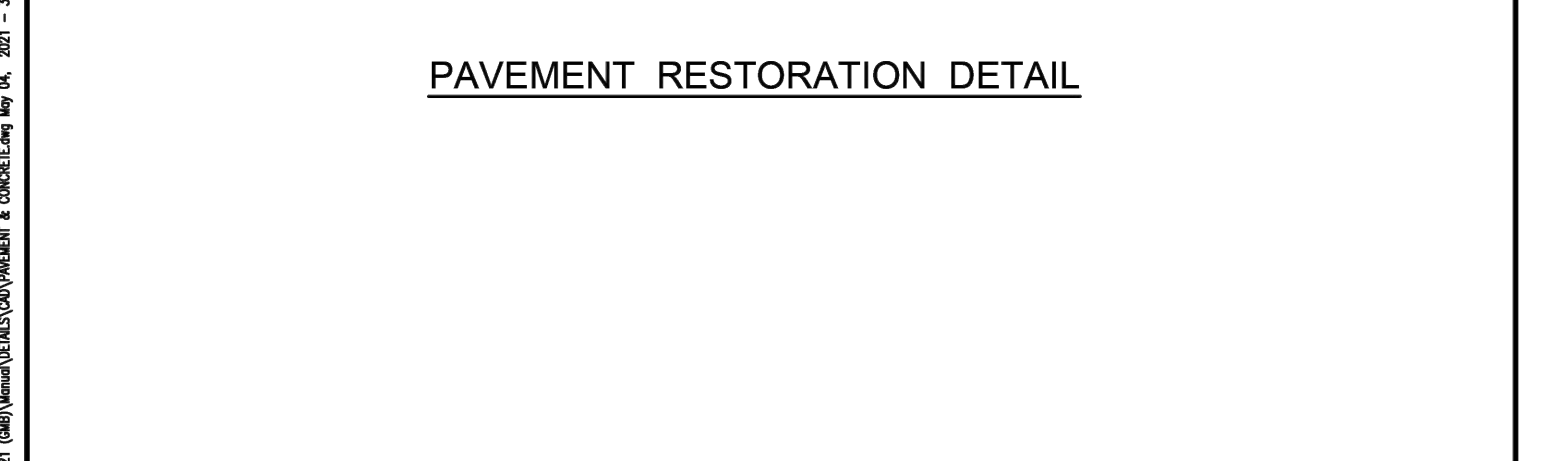
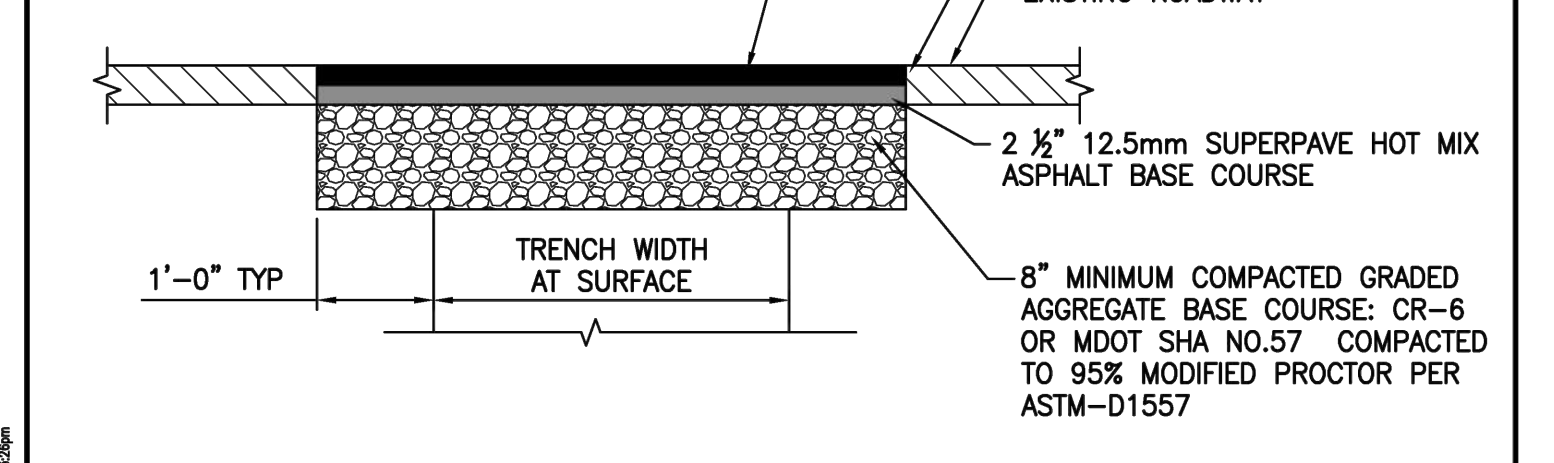
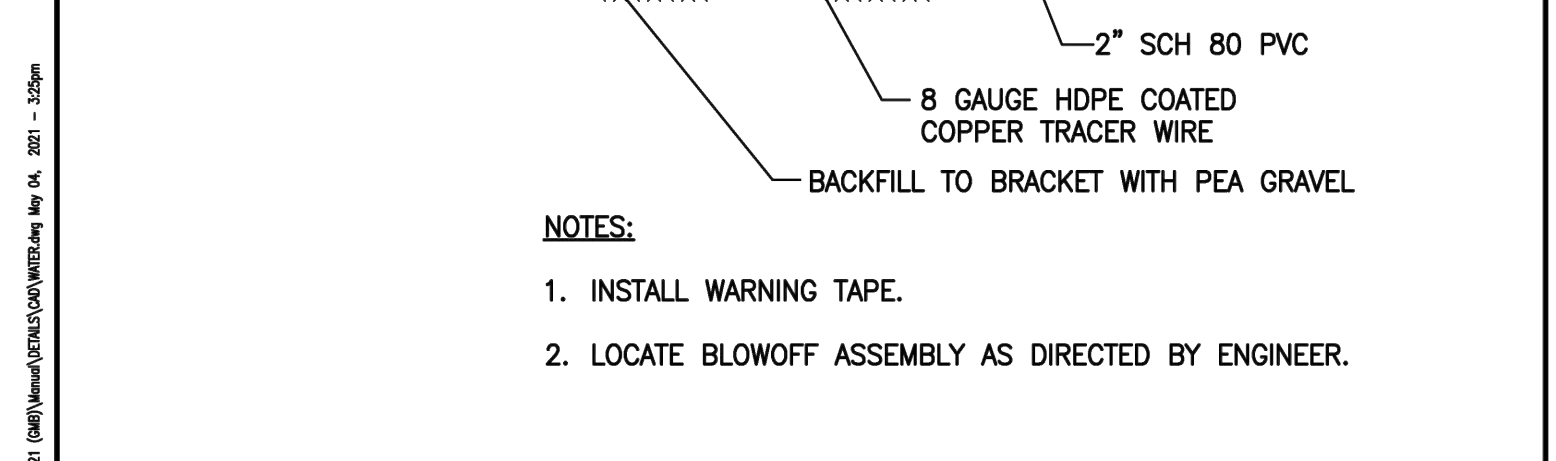
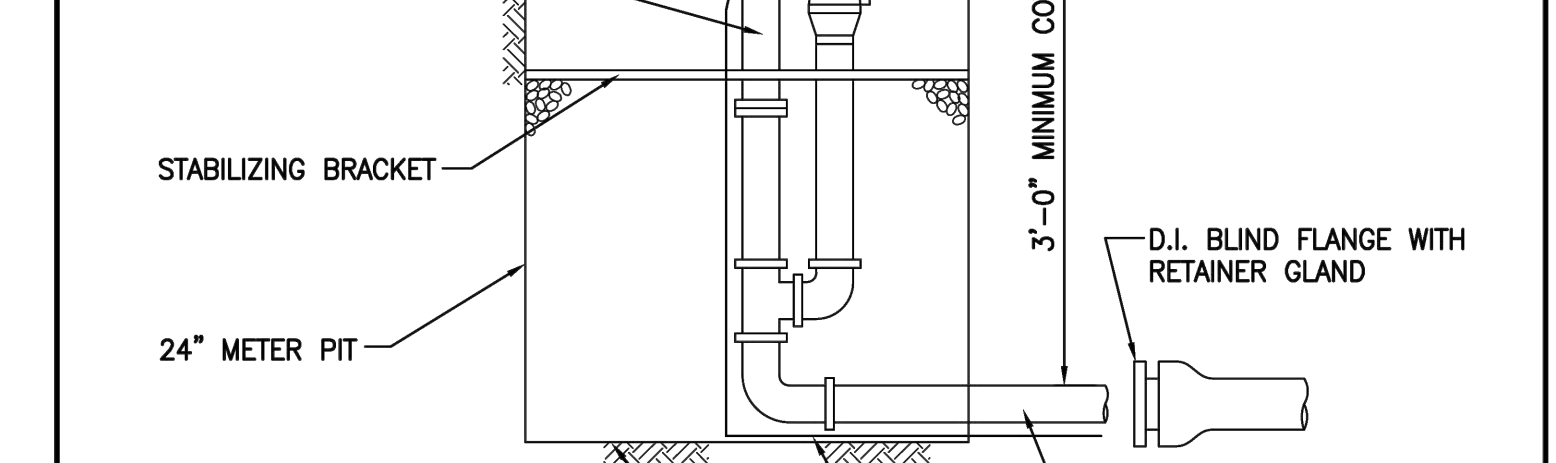
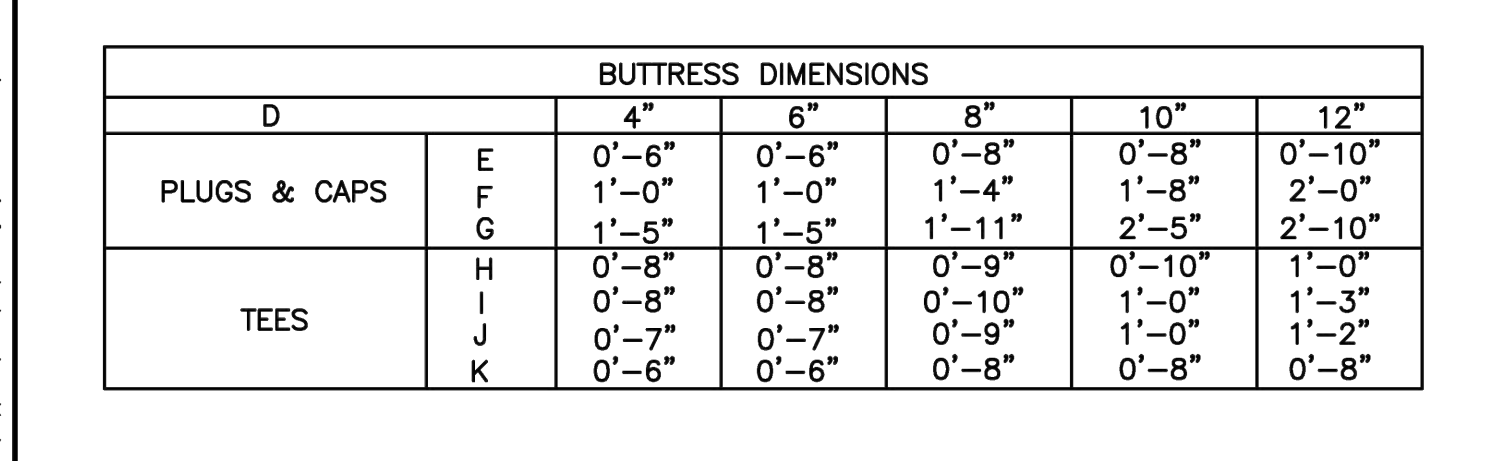
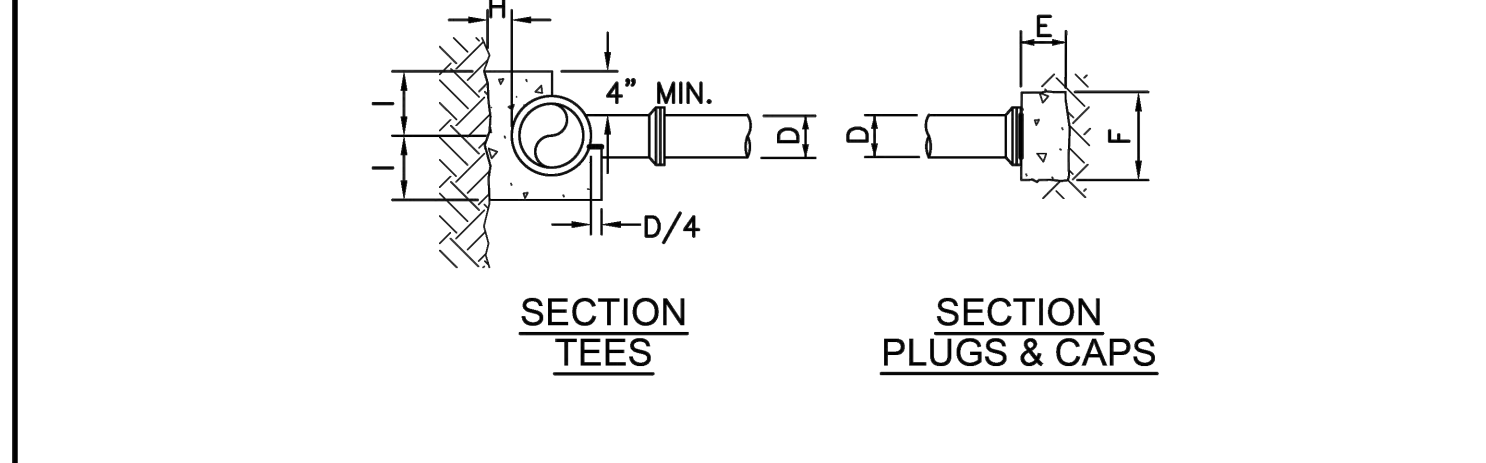
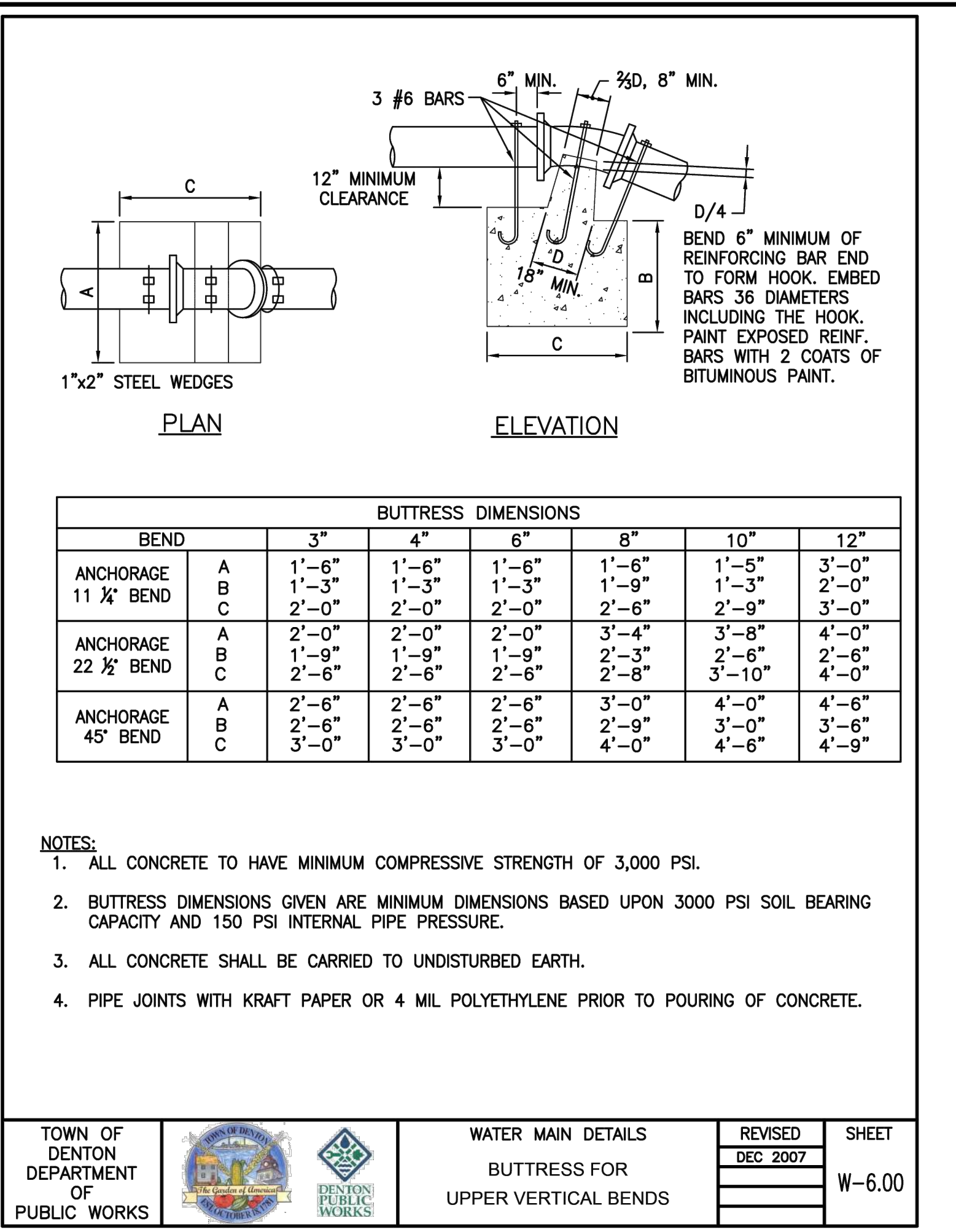
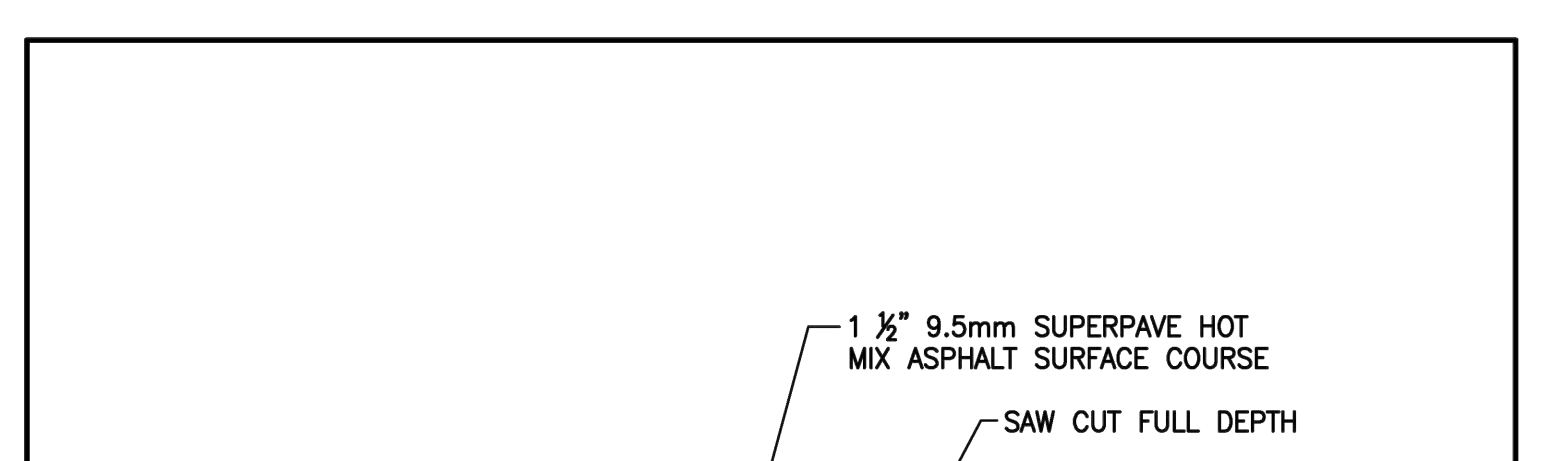
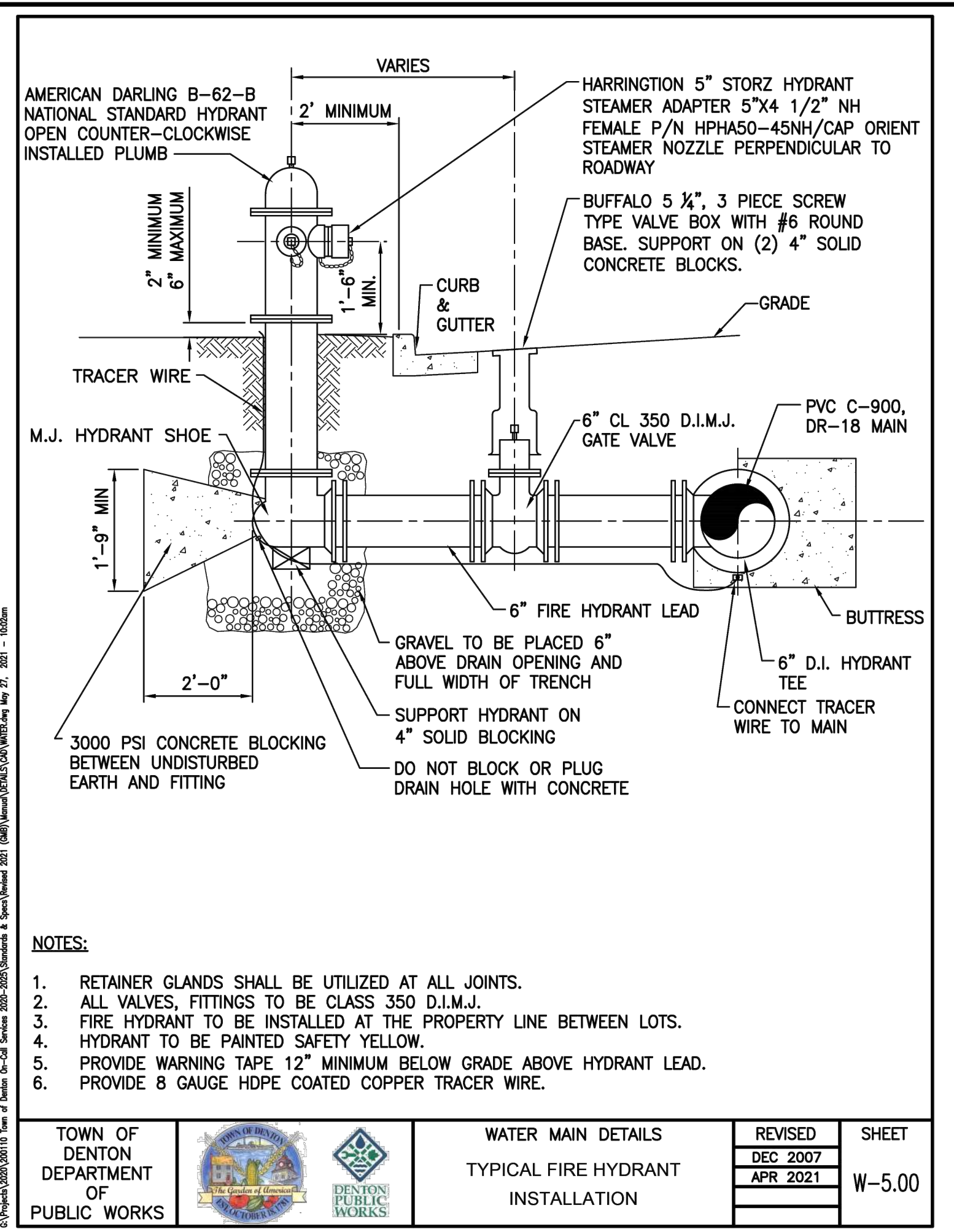
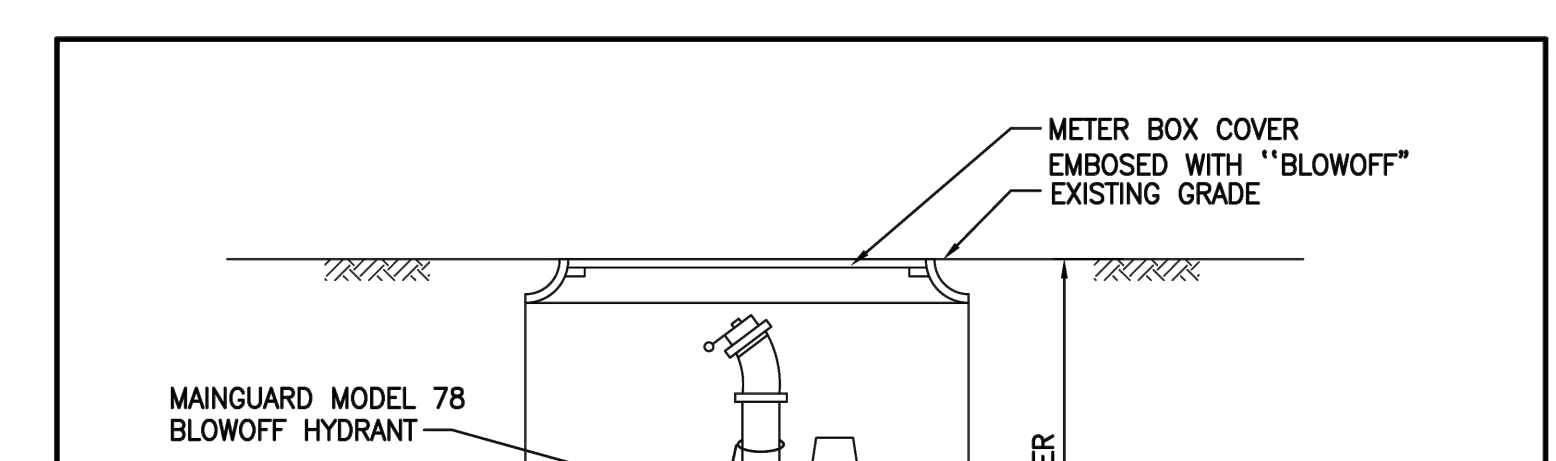
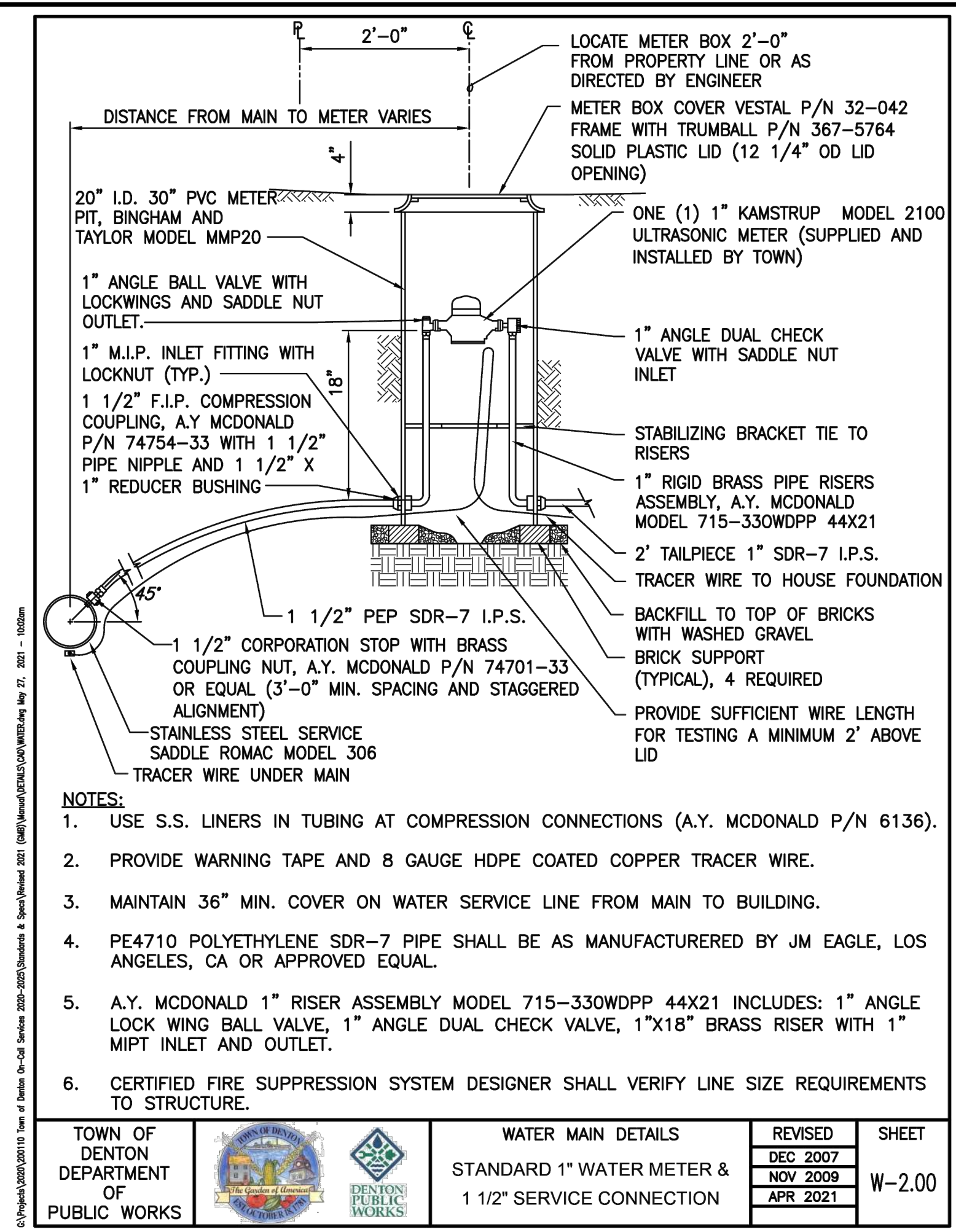
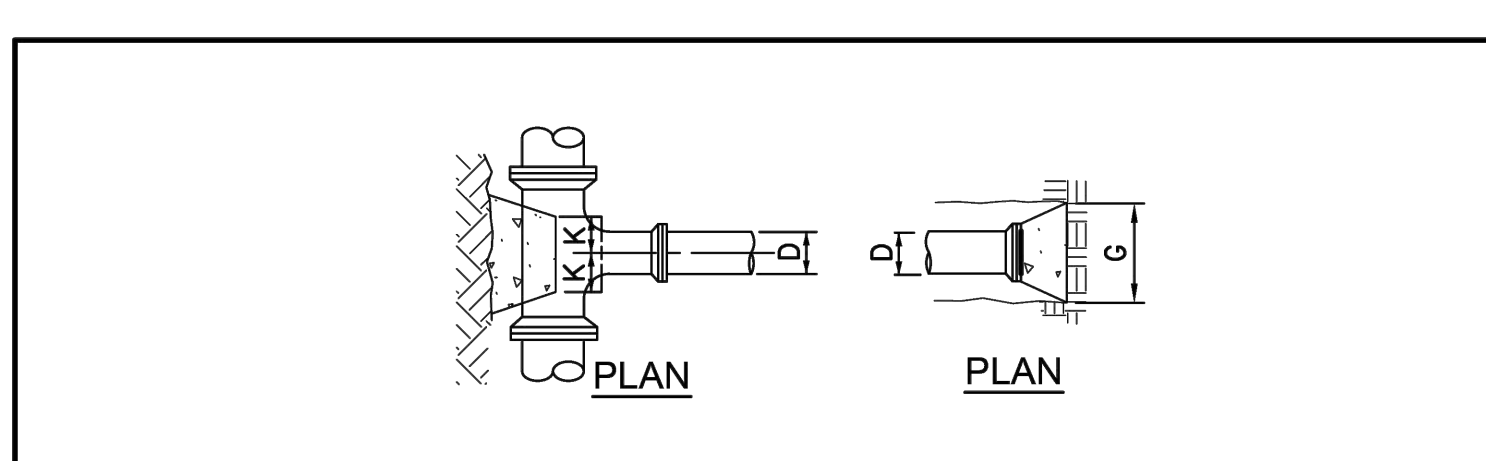
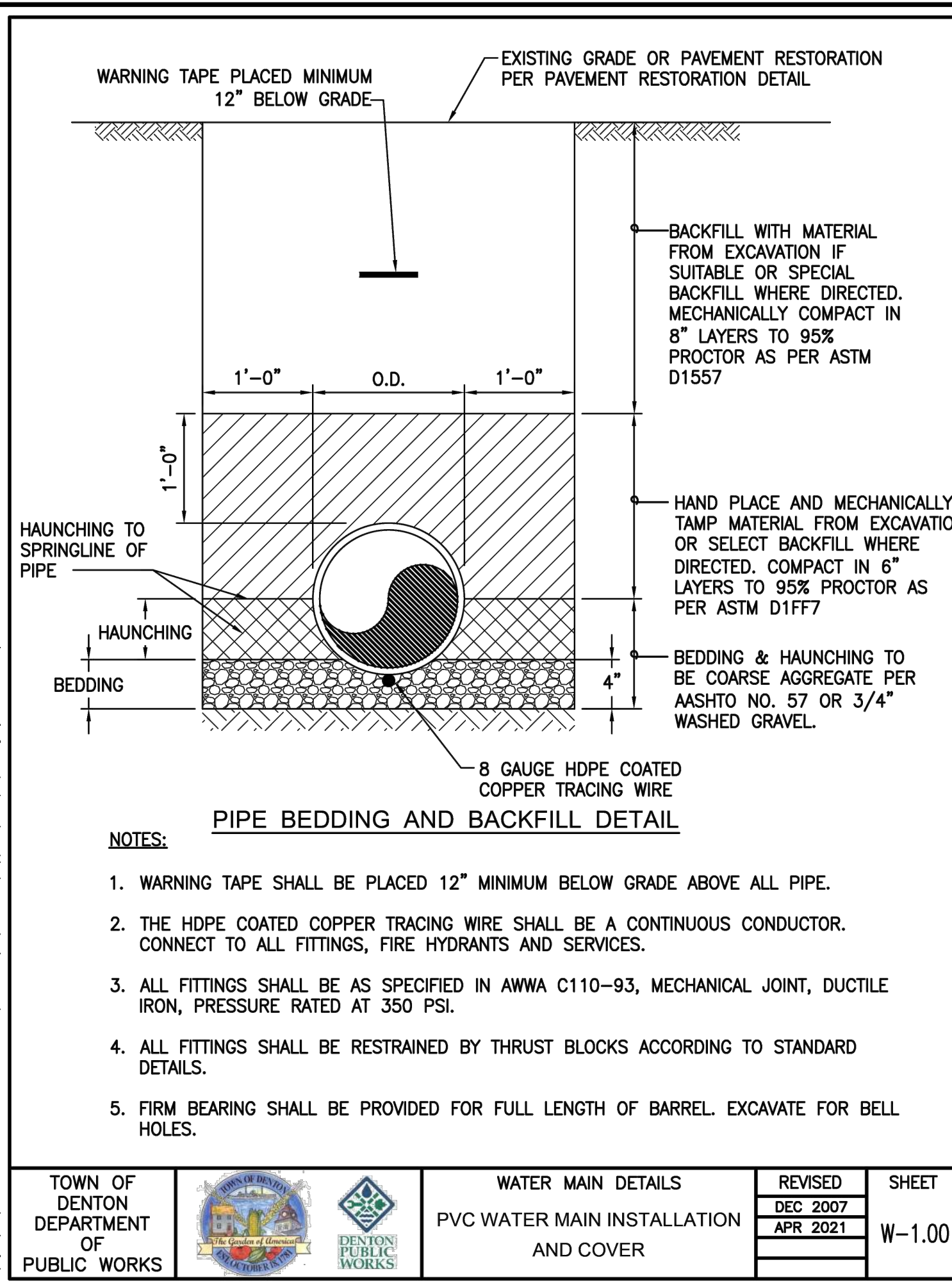
TOWN OF DENTON
VISITOR CENTER WATER MAIN EXTENSION

CAROLINE COUNTY, MARYLAND

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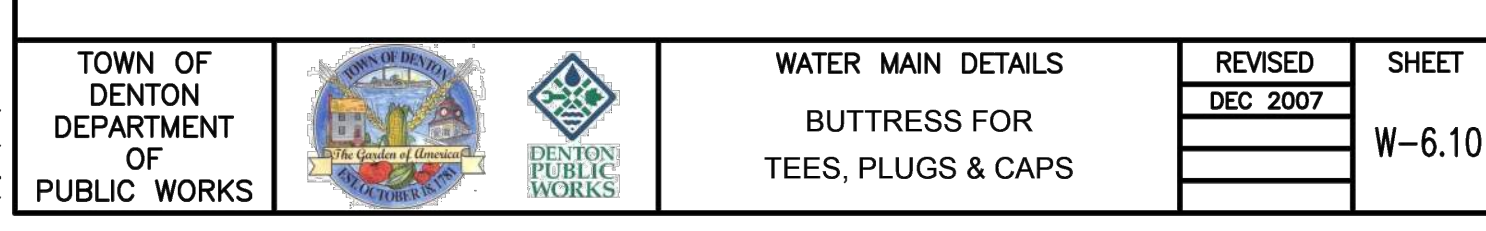
CONSTRUCTION DETAILS

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DRAWN	AMP/KMC	04
CHECKED	WMG	
JOB	250044	SHEET 4 OF 10
DATE	APRIL, 2026	



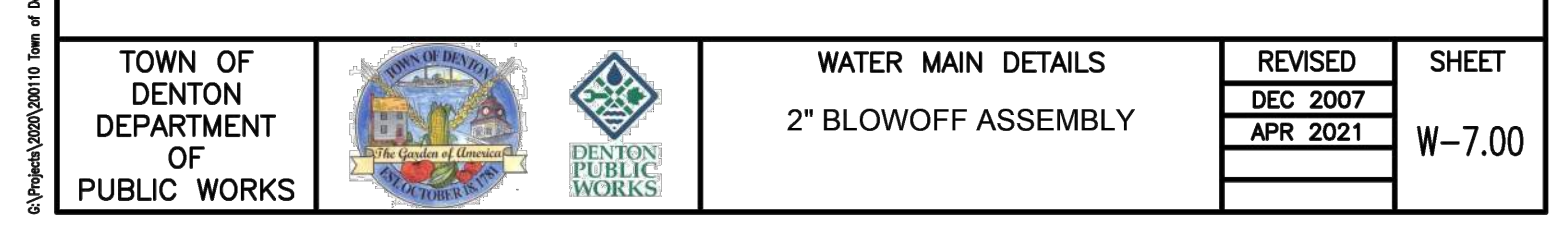
NOTES:

- ALL CONCRETE TO HAVE MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI.
- BUTTRESS DIMENSIONS GIVEN ARE MINIMUM DIMENSIONS BASED UPON 3000 PSI SOIL BEARING CAPACITY AND 150 PSI INTERNAL PIPE PRESSURE.
- ALL CONCRETE SHALL BE CARRIED TO UNDISTURBED EARTH.
- WRAP PIPE JOINTS WITH KRAFT PAPER OR 4 MIL POLYETHYLENE SHEETING PRIOR TO POURING OF CONCRETE.



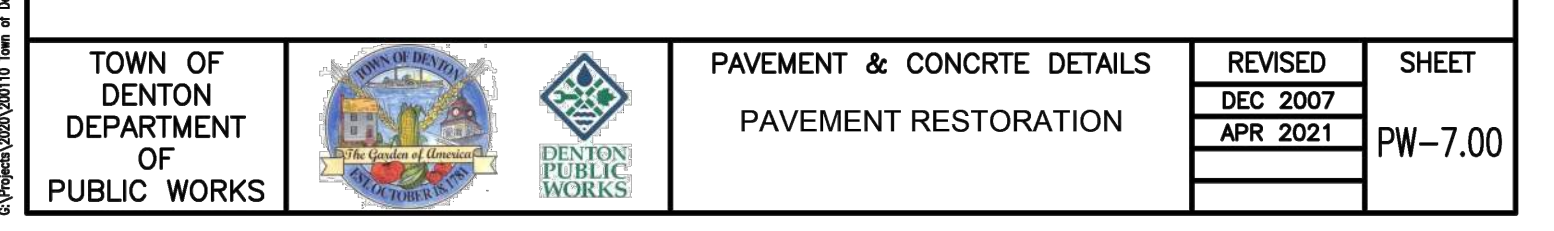
NOTES:

- INSTALL WARNING TAPE.
- LOCATE BLOWOFF ASSEMBLY AS DIRECTED BY ENGINEER.



NOTES:


- RETAINER GLANDS SHALL BE UTILIZED AT ALL JOINTS.
- ALL VALVES, FITTINGS TO BE CLASS 350 D.I.M.J.
- FIRE HYDRANT TO BE INSTALLED AT THE PROPERTY LINE BETWEEN LOTS.
- HYDRANT TO BE PAINTED SAFETY YELLOW.
- PROVIDE WARNING TAPE 12" MINIMUM BELOW GRADE ABOVE HYDRANT LEAD.
- PROVIDE 8 GAUGE HDPE COATED COPPER TRACER WIRE.



NO.	DATE	REVISIONS

NO.	DATE	REVISIONS

NO.	DATE	REVISIONS



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CONSTRUCTION DETAILS

DESIGN	WMG	SHEET NO.	05
DRAWN	AMP/KMC		
CHECKED	WMG		
JOB	250044		
DATE	APRIL, 2026	SHEET 5 OF 10	

TOWN OF DENTON
VISITOR CENTER WATER MAIN EXTENSION
CAROLINE COUNTY, MARYLAND

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TEMPORARY TRAFFIC CONTROL TYPICAL APPLICATION

IMPORTANT:
THIS DRAWING SHALL BE USED IN COMBINATION WITH THE GENERAL NOTES MD 104.00-01 - MD 104.00-18 AND STANDARD DETAILS MD 104.01-01 - MD 104.01-81

NOTES:
1. SHOULDER WORK SIGNS SHALL BE MOUNTED ON THE SIDE OF THE ROADWAY WHERE THE SHOULDER IS AFFECTED. USAGE OF SHOULDER WORK SIGNS ON THE OPPOSITE SIDE OF DIVIDED HIGHWAYS IS OPTIONAL.

2. SHOULDER CLOSED SIGNS ARE REQUIRED IN PLACE OF SHOULDER WORK SIGNS WHEN THE SHOULDER IS CLOSED BY POSITIVE PROTECTION (TEMPORARY CONCRETE BARRIER OR SIMILAR DEVICE). REFER TO STANDARD NO. MD 104.06-18.

3. WHEN WORK INVOLVES A PAVEMENT EDGE DROP-OFF, REFER TO STANDARD NOS. MD 104.06-15 TO MD 104.06-19.

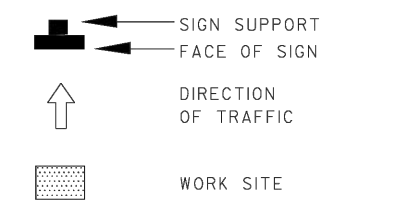
4. THERE SHALL BE A MINIMUM OF SEVEN CHANNELIZING DEVICES IN THE SHOULDER TAPER.

5. THE ENGINEER SHOULD CONSIDER ADDITIONAL, ADJACENT LANE CLOSURES WHEN THE POSSIBILITY OF UNPLANNED TRAVELWAY ENCROACHMENTS EXISTS.

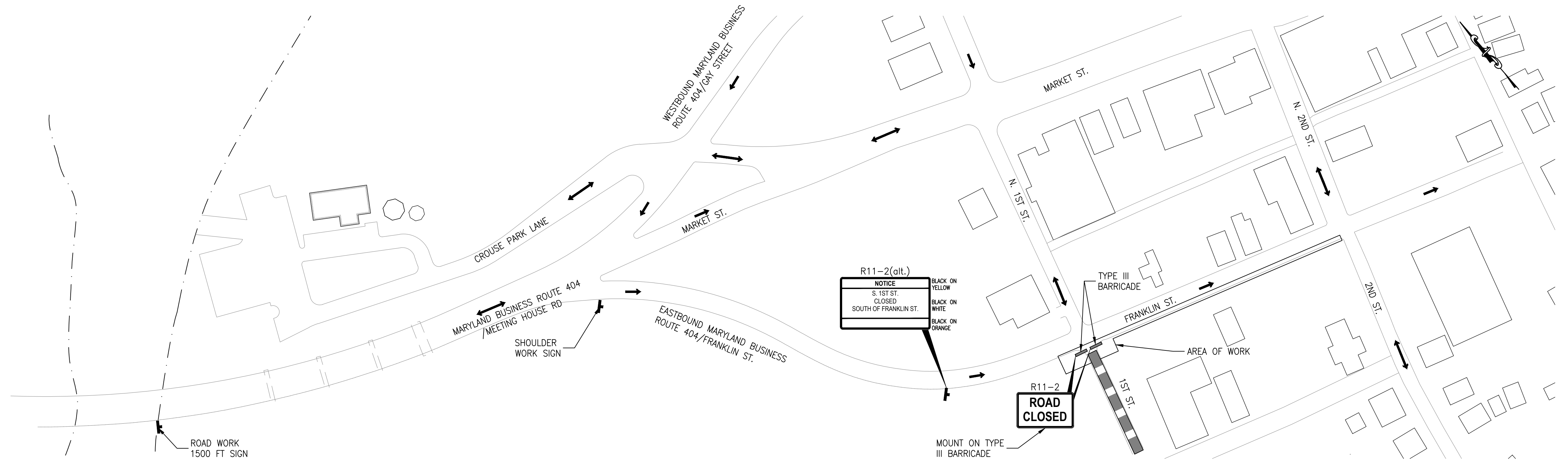
6. FOR SAFETY, A MINIMUM OF 2 FEET LATERAL CLEARANCE SHALL BE MAINTAINED BETWEEN ANY VEHICLE AND/OR EQUIPMENT POSITIONED ON THE SHOULDER AND THE ADJACENT OPEN TRAVEL LANE. THE ENGINEER SHOULD CONSIDER ADDITIONAL SAFETY MEASURES.

7. REFER TO MD 104.01-11A FOR THE USE OF A PV.

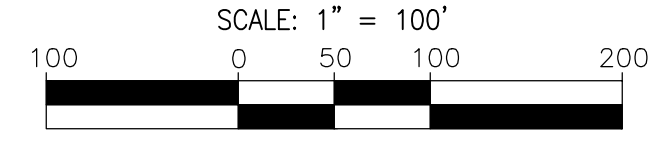
8. REFER TO MD 104.01-30B FOR THE POSITIONING OF A PV.



SPECIFICATION	CATEGORY	CODE	ITEMS
104			
APPROVED <i>[Signature]</i> DIRECTOR, OFFICE OF TRAFFIC AND SAFETY			
STANDARDS FOR HIGHWAYS AND INCIDENTAL STRUCTURES			
SHOULDER WORK/DIVIDED UNCONTROLLED			
EQ/LESS THAN 40 MPH			
STANDARD NO. MD 104.04-02			



TRAFFIC CONTROL PLAN
CLOSURE OF SOUTH 1ST STREET AND CLOSURE OF RIGHT SHOULDER OF EASTBOUND MARYLAND BUSINESS ROUTE 404/FRANKLIN STREET FROM 1ST STREET TO 2ND STREET



NOTES ON INSTALLATION OF WATER MAIN ALONG EASTBOUND MD BUSINESS ROUTE 404/FRANKLIN STREET

- INSTALLATION OF THE PROPOSED WATER MAIN ALONG THE SOUTHERN SHOULDER OF EASTBOUND MD BUSINESS ROUTE 404 / FRANKLIN STREET FROM APPROXIMATE STA 0+33 TO 9+54 SHALL BE VIA DIRECTIONAL DRILL IN ORDER TO PREVENT DISTURBANCE IN THE OFF-ROAD AREAS.
- THE CONTRACTOR SHALL HAVE ACCESS TO THE AREA FROM THE SOUTHWEST CORNER OF FRANKLIN STREET AND SOUTH 1ST STREET ON THE EASTERN END AND THE AREA OF THE JACK AND BORE RECEIVING PIT ON THE WESTERN END.
- THE CONTRACTOR SHALL ACCESS THE AREA OF THE JACK AND BORE RECEIVING PIT BY SHUTTING DOWN THE EASTBOUND LANE OF MD BUSINESS ROUTE 404 / MEETING HOUSE ROAD AND REMOVING SECTIONS OF GUARDRAIL AS NEEDED.
- A MINIMUM OF ONE LANE OF MD BUSINESS ROUTE 404 / MEETING HOUSE ROAD WITH A MINIMUM WIDTH OF 10 FT MUST BE MAINTAINED AT ALL TIMES. THE CONTRACTOR SHALL USE FLAGGERS TO ALTERNATE TRAFFIC IF TWO 10-FT WIDE LANES CANNOT BE MAINTAINED.
- THE REMOVED SECTIONS OF GUARDRAIL MUST BE BACK IN PLACE AT ALL TIMES WHEN THE RIGHT LANE OF EASTBOUND MD BUSINESS ROUTE 404 / FRANKLIN STREET IS OPEN TO TRAFFIC.
- THE LOCATIONS OF THE GUARDRAIL POSTS ON THE DRAWINGS ARE APPROXIMATED AND SHALL BE FIELD LOCATED BY THE CONTRACTOR SO THEY CAN BE ACCOUNTED FOR IN ACCESSING THE AREA OF THE JACK AND BORE RECEIVING PIT AND OTHER WORK IN THAT VICINITY.
- THE LAYDOWN AREA FOR THE HDPE PIPELINE PRIOR TO PULLBACK SHALL BE ALONG THE RIGHT SHOULDER OF EASTBOUND MD BUSINESS ROUTE 404 / FRANKLIN STREET WITH CLOSURE OF SOUTH 1ST STREET PERMITTED BY THE TOWN.
- THE CONTRACTOR SHALL NOT CREATE ANY DISTURBANCE IN THE AREAS OF WETLANDS ALONG THE SOUTHERN SHOULDER OF EASTBOUND MD BUSINESS ROUTE 404.

SEQUENCE OF CONSTRUCTION:

- INSTALL TEMPORARY SIGNAGE AND BARRICADES AS SHOWN TO CLOSE SOUTH 1ST STREET AND/OR SHOULDER OF EASTBOUND MARYLAND BUSINESS ROUTE 404/FRANKLIN STREET USING MD 104.04-02.
- CLOSE TRAVEL LANE(S) AND/OR SHOULDER.
- COMPLETE UTILITY WORK.
- RESTORE PAVEMENT AND MARKINGS TO ORIGINAL CONDITION.
- REMOVE ALL TEMPORARY TRAFFIC CONTROL DEVICES TO RE-OPEN LANES.

NOTES:

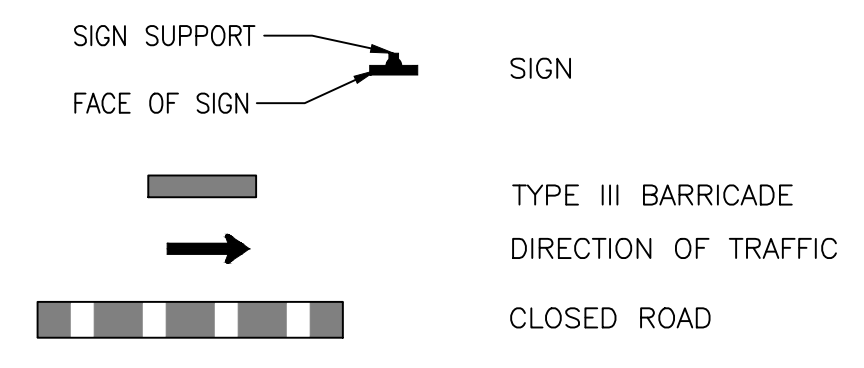
- SIGN R11-2 TO BE INSTALLED ON TYPE III BARRICADE.
- NO SIGNS SHOULD OBSTRUCT INTERSECTION SIGHT DISTANCE OR THE VIEW OF EXISTING TRAFFIC CONTROL DEVICES.
- ALL SIGNS, INCLUDING INSTALLATION, AND DEVICES SHALL CONFORM TO THE LATEST EDITION OF THE MARYLAND MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MDMUTCD).
- ALL SIGNS, EXCEPT THOSE NOTED AS INSTALLED ON TYPE III BARRICADES, SHALL BE INSTALLED ON BREAKAWAY WOOD POSTS PER MARYLAND SHA BOOK OF STANDARDS (INCLUDING BUT NOT LIMITED TO WOOD SIGN SUPPORTS STANDARD NOS. MD 812.01-04 AND 813.02) OR AS DIRECTED BY THE ENGINEER. CONTACT MISS UTILITY PRIOR TO INSTALLATION OF SIGNS ON POSTS.
- IF MORE THAN ONE TYPE III BARRICADE IS USED TO COMPLETELY BLOCK THE ROAD, THE BARRIERS SHALL BE FASTENED TOGETHER.

TRAFFIC SIGNS TABLE	
SIGN	SIZE
	R11-2 48"x30"(10 S.F.) BK/W
	W21-5 48"x48"(16 S.F.) BK/O
	W21-5 48"x48"(16 S.F.) BK/O
	R11-2(alt) 60"x48"(20 S.F.) BK/Y BK/W BK/O

GENERAL NOTES FOR MAINTENANCE OF TRAFFIC:

- ALL TRAFFIC CONTROL MUST BE IN ACCORDANCE WITH THE CURRENT EDITION AND REVISIONS OF THE FEDERAL HIGHWAY MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) AND MARYLAND STATE HIGHWAY ADMINISTRATION (MSHA) WORK ZONE TRAFFIC CONTROL STANDARDS. THE DETAILS PROVIDED SHALL BE USED IN CONJUNCTION WITH MSHA GENERAL NOTES 104.00-01 THROUGH 104.00-18.
- IF A LANE CLOSURE PERMIT IS REQUIRED, THE CONTRACTOR SHALL TAKE ALL STEPS NECESSARY TO ACQUIRE THE PERMIT AND SHALL HAVE A COPY OF THE PERMIT WITH THE WORK CREW ANYTIME A LANE IS CLOSED. CONTRACTOR SHALL HAVE A CURRENTLY CERTIFIED MSHA TRAFFIC MANAGER FOR ALL LANE CLOSURES. ALL FLAGGERS SHALL BE CURRENTLY CERTIFIED BY MSHA.
- CONTRACTOR SHALL USE FLAGGER TO CONTROL TRAFFIC WHEN CONSTRUCTION VEHICLES ARE ENTERING OR EXISTING THE CONSTRUCTION SITE.
- ALL TRAFFIC CONTROL DEVICES SHALL BE FROM MDOT SHA APPROVED PRODUCTS LIST.
- CONTRACTOR SHALL PROVIDE ANY NEEDED ASSISTANCE FOR A PEDESTRIAN WHO NEEDS TO GET ACROSS THE CONSTRUCTION AREA.
- A SINGLE TRAVEL LANE OF TEN FEET (10') MINIMUM WIDTH SHALL BE PROVIDED AT ALL TIMES UNLESS OTHERWISE INDICATED.
- CARE SHALL BE TAKEN NOT TO DAMAGE EXISTING DRAINAGE STRUCTURES OR UTILITIES.
- NO EQUIPMENT OR MATERIALS WILL BE ALLOWED TO REMAIN WITHIN THIRTY FEET (30') OF ANY MSHA ROADWAY DURING NON-WORK HOURS UNLESS WRITTEN PERMISSION IS GRANTED BY MSHA AND ALL SAFETY PRECAUTIONS ARE MET.
- IF WORKING IN A MSHA ROADWAY, THE CONTRACTOR SHALL CONTACT MSHA AND THE TOWN 48 HOURS PRIOR TO STARTING WORK IN ORDER TO HOLD A PRE-CONSTRUCTION MEETING. THE CONTRACTOR SHALL ADVISE THE TOWN AND SHA DISTRICT OFFICE AT LEAST 72 HOURS IN ADVANCE OF IMPLEMENTING MAINTENANCE OF TRAFFIC OPERATION.
- THE CONTRACTOR SHALL MAINTAIN PEDESTRIAN TRAFFIC AT INTERSECTIONS AT ALL TIMES. THE CONTRACTOR SHALL MAINTAIN DRIVEWAY ACCESS AT ALL TIMES.
- TEN (10) DAYS PRIOR TO THE REMOVAL OR DISTURBANCE OF ANY EXISTING ROADWAY PAVEMENT MARKINGS, THE CONTRACTOR WILL PREPARE AND SUBMIT A DETAILED SKETCH OF THE PAVEMENT MARKINGS TO BE DISTURBED OR REMOVED TO THE ENGINEER FOR APPROVAL. THE CONTRACTOR SHALL RESTORE IN-KIND ALL DISTURBED PAVEMENT MARKINGS IN ACCORDANCE WITH THE APPROVED PAVEMENT MARKINGS SKETCHES AS DIRECTED BY THE ENGINEER.
- IMMEDIATELY UPON COMPLETION OF THE RELATED WORKS, REMOVE THE TRAFFIC CONTROL DEVICES.
- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO SUPPLY, INSTALL, AND MAINTAIN ALL TRAFFIC CONTROL EQUIPMENT FOR THE DURATION OF THIS CONTRACT.
- ALL EXCAVATIONS AND TRENCHES IN ROADWAYS SHALL BE BACKFILLED AT THE END OF EACH WORKDAY. THE CONTRACTOR SHALL ONLY USE STEEL PLATES WITH PRIOR WRITTEN PERMISSION FROM THE TOWN FOR TOWN STREETS AND MSHA FOR STATE ROADWAYS. STEEL PLATES SHALL BE RECESSED INTO PLACE, SHALL BE NO LESS THAN ONE INCH (1") THICK, HAVE A MINIMUM ONE FOOT (1') OVERLAP ON ALL FOUR SIDES, AND SHALL BE PINNED IN PLACE TO PREVENT MOVEMENT. IF MORE THAN ONE PLATE IS REQUIRED, THEY SHALL BE PROVIDED WITH TIMBER SUPPORTS, ADJACENT PLATES SHALL BE WELDED TOGETHER IN AT LEAST THREE PLACES AND SHALL MEET ALL OTHER MSHA REQUIREMENTS. "STEEL PLATES" WARNING SIGNS SHALL BE DISPLAYED IN ADVANCE.
- MUD AND DEBRIS TRACKED OR SPILLED ON THE ROADWAY SHALL BE REMOVED PROMPTLY AND PRECAUTIONS SHALL BE TAKEN TO KEEP WATER OFF THE TRAVELED LANES.
- THE CONTRACTOR SHALL BE THE TRAFFIC MANAGER AND A 24 HOUR EMERGENCY NUMBER SHALL BE PROVIDED TO THE TOWN. THE TRAFFIC MANAGER SHALL BE RESPONSIBLE FOR PROPERLY IMPLEMENTING AND MAINTAINING THE TRAFFIC CONTROL PLAN AS WELL AS CONDUCTING REGULAR INSPECTIONS OF THE TRAFFIC CONTROL DEVICES AND OVERALL TRAFFIC OPERATIONS. THE TRAFFIC MANAGER SHALL COMPLY WITH ALL REQUIREMENTS OUTLINED IN THE SHA PERMIT AND MSHA BOOK OF STANDARDS AND STANDARD SPECIFICATIONS.
- ALL WORK IN THE MSHA RIGHT-OF-WAY SHALL BE PERFORMED IN ACCORDANCE WITH THE CURRENT MSHA STANDARDS, SPECIFICATIONS AND UTILITY PERMIT ISSUED BY SHA.
- THE CONTRACTOR SHALL PHASE WORK ACROSS EXISTING ENTRANCES TO MAINTAIN ONE OPEN LANE OF ACCESS. SIGNS, TAPER AND TANGENT CHANNELIZING DEVICES SHALL BE MOVED AS REQUIRED WITH THE PROGRESS OF WORK. ONLY ONE WORK SITE WILL PERMITTED AT A TIME ALONG SHA ROADS DURING THE DURATION OF THIS CONTRACT.
- WARNING LIGHTS SHALL BE USED TO MARK CHANNELIZING DEVICES AS NEEDED.
- CHANNELIZING DEVICES SHALL BE EXTENDED TO A POINT WHERE THEY ARE VISIBLE TO APPROACHING TRAFFIC. A FULL TAPER LENGTH SHALL ALWAYS BE PROVIDED IN ADVANCE OF CURVES.
- TWO WAY RADIO COMMUNICATION SHALL BE USED WHEN FLAGGERS ARE UNABLE TO SEE EACH OTHER.
- ALL PERSONNEL USED FOR FLAGGING SHALL BE PROPERLY DRESSED, QUALIFIED AND CERTIFIED BY SHA TO PERFORM FLAGGING OPERATIONS AS OUTLINED IN THE MUTCD.
- THE CONTRACTOR SHALL PERFORM ALL WORK REQUIRED WITHIN THE WORK ZONE DURING THE TIME THAT THE MAINTENANCE OF TRAFFIC IS IN PLACE.
- THE CONTRACTOR SHALL MAINTAIN A MINIMUM FOUR FEET WIDE PEDESTRIAN FOOTWAY OR IMPLEMENT AN APPROPRIATE PEDESTRIAN DETOUR WHILE ACTIVELY WORKING IN THE SIDEWALK IN ACCORDANCE WITH ADA GUIDELINES AND APPROPRIATE SHA AND TOWN STANDARDS.

LEGEND



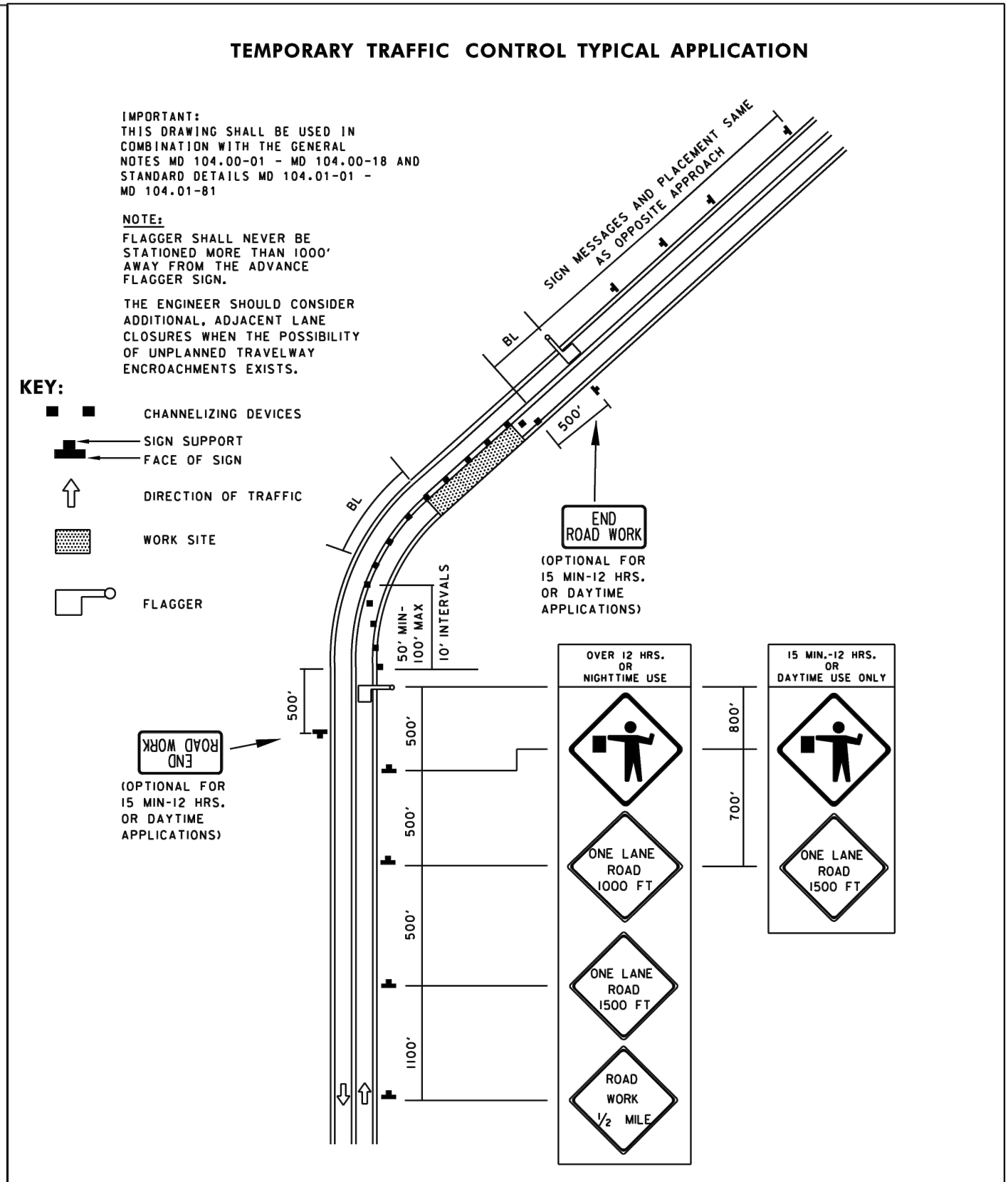
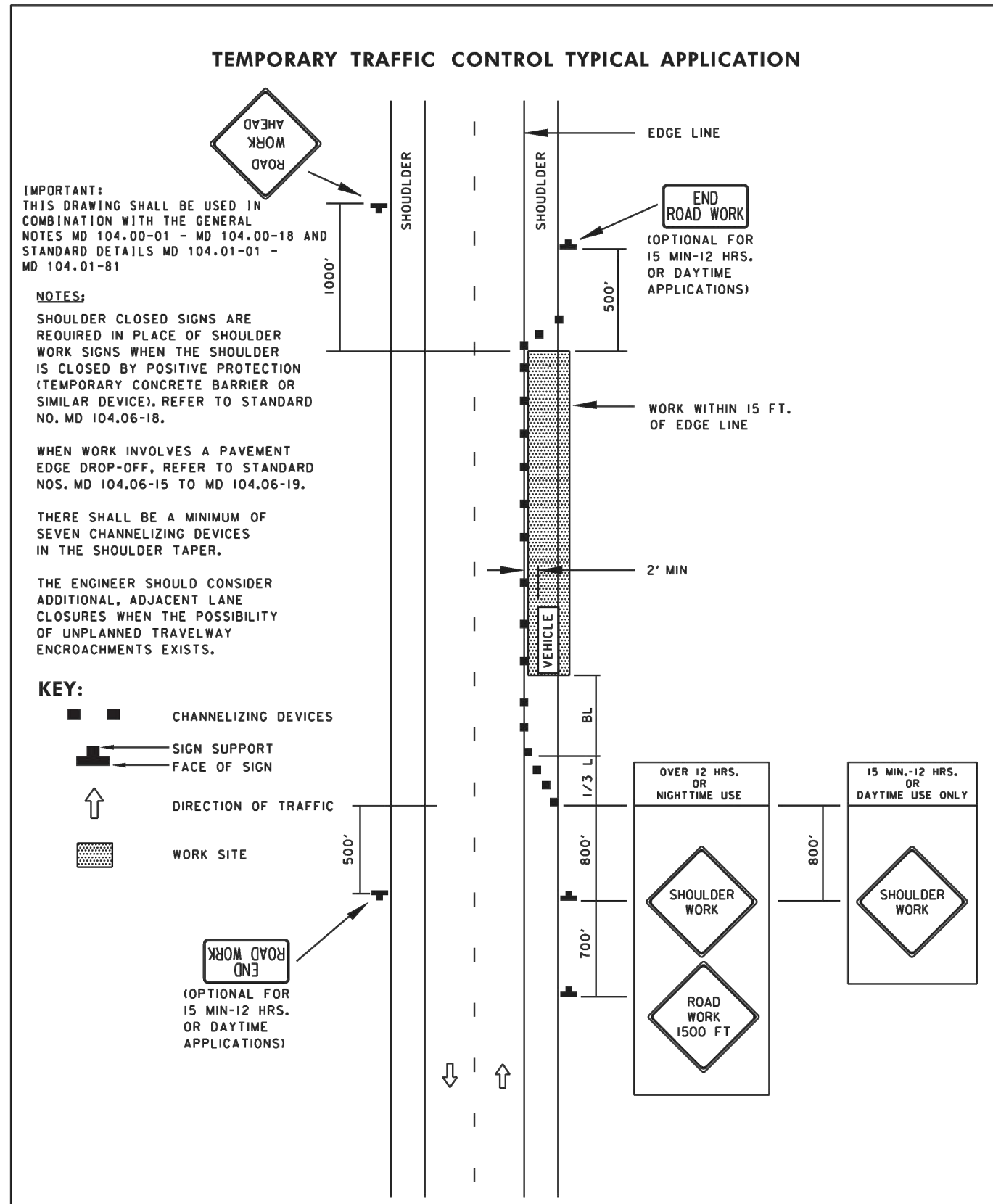
NO.	DATE	REVISIONS

TOWN OF DENTON
VISITOR CENTER WATER MAIN EXTENSION
CAROLINE COUNTY, MARYLAND

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TRAFFIC CONTROL PLAN, NOTES, AND DETAILS		SHEET NO.
DESIGN	WMG	06
DRAWN	AMP/KMC	
CHECKED	WMG	
JOB	250044	
DATE	APRIL, 2026	SHEET 6 OF 10

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SPECIFICATION 104	CATEGORY CODE ITEMS	Maryland Department of Transportation STATE HIGHWAY ADMINISTRATION STANDARDS FOR HIGHWAYS AND INCIDENTAL STRUCTURES	
APPROVED	DIRECTOR OFFICE OF TRAFFIC AND SAFETY	SHOULDER WORK/2-LANE, 2-WAY EQL/LESS THAN 40 MPH	
APPROVAL	SHA	APPROVAL	FEDERAL HIGHWAY ADMINISTRATION
APPROVAL	8-20-03	APPROVAL	9-23-03
REVISION	8-11-10	REVISION	10-5-10
REVISION		REVISION	
REVISION		REVISION	
STANDARD NO. MD 104.02-02			

SPECIFICATION 104	CATEGORY CODE ITEMS	Maryland Department of Transportation STATE HIGHWAY ADMINISTRATION STANDARDS FOR HIGHWAYS AND INCIDENTAL STRUCTURES	
APPROVED	DIRECTOR OFFICE OF TRAFFIC AND SAFETY	FLAGGING OPERATION/2-LANE, 2-WAY EQL/LESS THAN 40 MPH	
APPROVAL	SHA	APPROVAL	FEDERAL HIGHWAY ADMINISTRATION
APPROVAL	8-20-03	APPROVAL	9-23-03
REVISION	8-11-10	REVISION	7-29-10
REVISION		REVISION	
REVISION		REVISION	
STANDARD NO. MD 104.02-10			

NOTES ON INSTALLATION OF WATER MAIN ALONG EASTBOUND MD BUSINESS ROUTE 404/FRANKLIN STREET

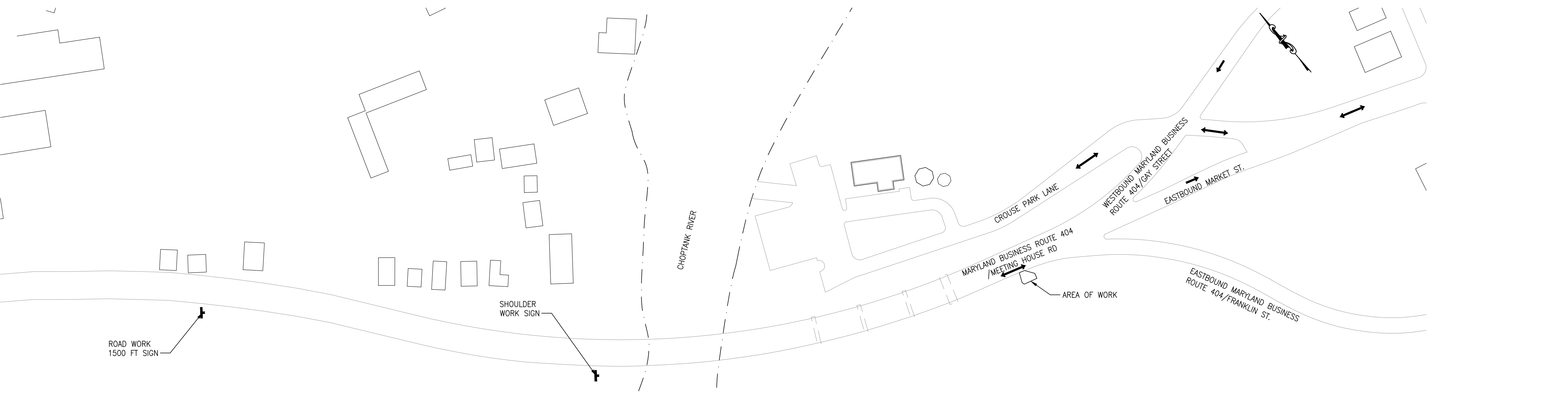
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- THE CONTRACTOR SHALL HAVE ACCESS TO THE AREA FROM THE SOUTHWEST CORNER OF FRANKLIN STREET AND SOUTH 1ST STREET ON THE EASTERN END AND THE AREA OF THE JACK AND BORE RECEIVING PIT ON THE WESTERN END.
- THE CONTRACTOR SHALL ACCESS THE AREA OF THE JACK AND BORE RECEIVING PIT BY SHUTTING DOWN THE EASTBOUND LANE OF MD BUSINESS ROUTE 404 / MEETING HOUSE ROAD AND REMOVING SECTIONS OF GUARDRAIL AS NEEDED.
- A MINIMUM OF ONE LANE OF MD BUSINESS ROUTE 404 / MEETING HOUSE ROAD WITH A MINIMUM WIDTH OF 10 FT MUST BE MAINTAINED AT ALL TIMES. THE CONTRACTOR SHALL USE FLAGGERS TO ALTERNATE TRAFFIC IF TWO 10-FT WIDE LANES CANNOT BE MAINTAINED.
- THE REMOVED SECTIONS OF GUARDRAIL MUST BE BACK IN PLACE AT ALL TIMES WHEN THE RIGHT LANE OF EASTBOUND MD BUSINESS ROUTE 404 / FRANKLIN STREET IS OPEN TO TRAFFIC.
- THE LOCATIONS OF THE GUARDRAIL POSTS ON THE DRAWINGS ARE APPROXIMATED AND SHALL BE FIELD LOCATED BY THE CONTRACTOR SO THEY CAN BE ACCOUNTED FOR IN ACCESSING THE AREA OF THE JACK AND BORE RECEIVING PIT AND OTHER WORK IN THAT VICINITY.
- THE LAYDOWN AREA FOR THE HDPE PIPELINE PRIOR TO PULLBACK SHALL BE ALONG THE RIGHT SHOULDER OF EASTBOUND MD BUSINESS ROUTE 404 / FRANKLIN STREET WITH CLOSURE OF SOUTH 1ST STREET PERMITTED BY THE TOWN.
- THE CONTRACTOR SHALL NOT CREATE ANY DISTURBANCE IN THE AREAS OF WETLANDS ALONG THE SOUTHERN SHOULDER OF EASTBOUND MD BUSINESS ROUTE 404.

SEQUENCE OF CONSTRUCTION:

- INSTALL TEMPORARY CHANNELIZING DEVICES AS SHOWN TO CLOSE LANE FOLLOWING MD 104.02-10.
- CLOSE EASTBOUND MD BUSINESS ROUTE 404 TRAVEL LANE.
- MAINTAIN SINGLE LANE TRAFFIC FOLLOWING MD 104.02-10.
- REMOVE SEGMENTS OF GUARDRAIL AS NEEDED FOR UTILITY CREW TO ACCESS AREA OF WORK.
- MOBILIZE UTILITY CREW TO OFF-ROAD AREA OF WORK ENTERING FROM ROADWAY.
- INSTALL CHANNELIZING DEVICES USING MD 104.02-02 TO RE-ESTABLISH TWO-WAY TRAFFIC WHILE CREW IS WORKING OFF-ROAD.
- RE-OPEN TRAVEL LANE.
- COMPLETE UTILITY WORK.
- INSTALL TEMPORARY CHANNELIZING DEVICES AS SHOWN TO CLOSE LANE FOLLOWING MD 104.02-10.
- CLOSE EASTBOUND MD BUSINESS ROUTE 404 TRAVEL LANE.
- MAINTAIN SINGLE LANE TRAFFIC FOLLOWING MD 104.02-10.
- DE-MOBILIZE UTILITY CREW.
- RE-INSTALL SEGMENTS OF GUARDRAIL THAT HAD BEEN REMOVED.
- REMOVE ALL TEMPORARY TRAFFIC CONTROL DEVICES AND RE-OPEN TRAVEL LANE.

NOTES:

- NO SIGNS SHOULD OBSTRUCT INTERSECTION SIGHT DISTANCE OR THE VIEW OF EXISTING TRAFFIC CONTROL DEVICES.
- ALL SIGNS, INCLUDING INSTALLATION, AND DEVICES SHALL CONFORM TO THE LATEST EDITION OF THE MARYLAND MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MDMUTCD).
- ALL SIGNS, SHALL BE INSTALLED ON BREAKAWAY WOOD POSTS PER MARYLAND SHA BOOK OF STANDARDS (INCLUDING BUT NOT LIMITED TO WOOD SIGN SUPPORTS STANDARD NOS. MD 812.01-04 AND 813.02) OR AS DIRECTED BY THE ENGINEER. CONTACT MISS UTILITY PRIOR TO INSTALLATION OF SIGNS ON POSTS.



LEGEND

	SIGN SUPPORT		SIGN
	FACE OF SIGN		TYPE III BARRICADE
	DIRECTION OF TRAFFIC		CLOSED ROAD

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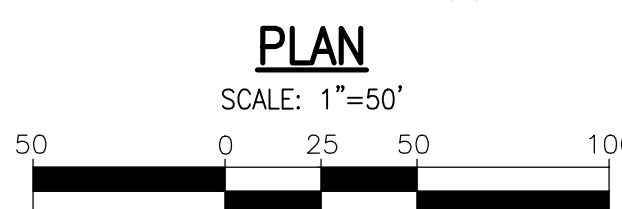
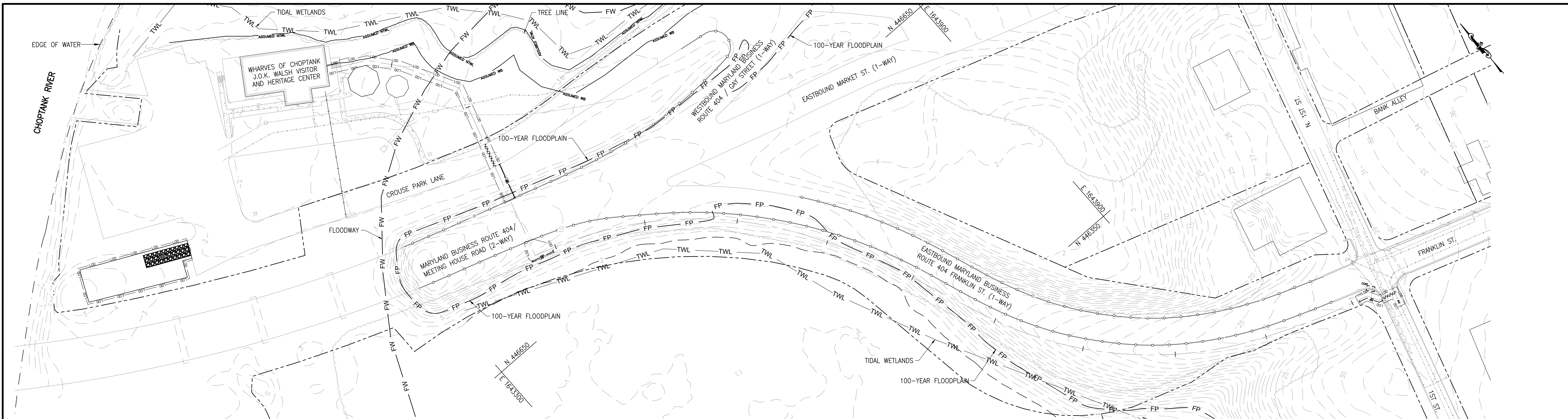
**TRAFFIC CONTROL PLAN,
NOTES, AND DETAILS**

DESIGN	WMG	SHEET NO.	
DRAWN	AMP/KMC		07
CHECKED	WMG		
JOB	250044		
DATE	APRIL, 2026	SHEET	7 OF 10

NO.	DATE	REVISIONS

TOWN OF DENTON
 VISITOR CENTER WATER MAIN EXTENSION
 CAROLINE COUNTY, MARYLAND

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NOTE: FOR THE AREA FROM CROUSE PARK LANE TO THE VISITORS CENTER, NO DISTURBANCE WILL BE PERMITTED DURING HIGH TIDES OR FLOODING AND WHEN DISTURBANCE IS CREATED IN THAT AREA, THE CONTRACTOR SHALL STABILIZE THE AREA IMMEDIATELY.

DEVELOPER

I CERTIFY THAT THIS PLAN OF SOIL EROSION AND SEDIMENT CONTROL WILL BE IMPLEMENTED TO THE FULLEST EXTENT, AND ALL STRUCTURES WILL BE INSTALLED TO THE DESIGN AND SPECIFICATIONS AS SPELLED OUT IN THIS PLAN AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN CONSTRUCTION OF THIS PROJECT WILL HAVE A CERTIFICATION OF ATTENDANCE AT A DEPARTMENT OF ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF SOIL EROSION AND SEDIMENT BEFORE BEGINNING THIS PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE EVALUATION BY THE CAROLINE SOIL CONSERVATION DISTRICT PERSONNEL AND COOPERATING AGENCIES.

DEVELOPER _____ DATE _____

PRINTED NAME OF DEVELOPER _____

TOWN OF DENTON
DEVELOPER COMPANY NAME _____

DEVELOPER PHONE NUMBER _____

ENGINEER

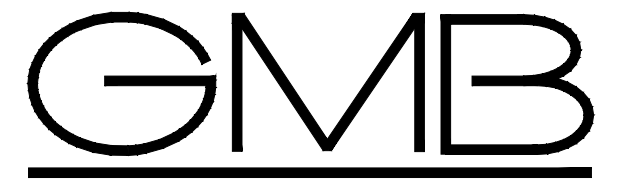
I CERTIFY THAT THIS PLAN OF SEDIMENT CONTROL IS DESIGNED WITH MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS AND HAS BEEN DESIGNED TO THE STANDARDS AND SPECIFICATIONS ADOPTED BY THE CAROLINE SOIL CONSERVATION DISTRICT.

W. MARK GARDOCKY, PE _____ DATE _____
PROFESSIONAL ENGINEERING REGISTRATION NO. 30875

CAROLINE COUNTY SOIL CONSERVATION DISTRICT

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE CAROLINE SOIL CONSERVATION DISTRICT.

APPROVED _____ CAROLINE S.C.D./DATE _____



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EROSION AND SEDIMENT CONTROL PLAN

DESIGN WMG	SHEET NO.
DRAWN AMP/KMC	08
CHECKED WMG	
JOB 250044	
DATE APRIL, 2026	SHEET 8 OF 10

NO.	DATE	REVISIONS

TOWN OF DENTON
VISITOR CENTER WATER MAIN EXTENSION

CAROLINE COUNTY, MARYLAND

PATH: \\upennet\gmb\users\jason\Projects\2025\250044 Denton Visitor Center Water Main Extension\Drawings\Current\08-ESD-PLAN.dwg 5/1/2026 12:28 PM

SEDIMENT AND EROSION CONTROL NOTES

- ALL EROSION/SEDIMENT CONTROL MEASURES SHALL COMPLY WITH THE "MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL" BY THE MARYLAND DEPARTMENT OF THE ENVIRONMENT, WATER MANAGEMENT ADMINISTRATION IN ASSOCIATION WITH THE NATURAL RESOURCES CONSERVATION SERVICE AND THE MARYLAND ASSOCIATION OF SOIL CONSERVATION DISTRICTS (REFERENCED AS THE 2011 STANDARDS AND SPECS).
- AREAS THAT HAVE BEEN CLEARED AND/OR GRADED, BUT WILL NOT BE CONSTRUCTED ON OR PERMANENTLY VEGETATED FOR MORE THAN 5 DAYS (3 DAYS FOR SEDIMENT CONTROL MEASURES AND FOR STEEP SLOPES) MUST BE STABILIZED WITH MULCH OR TEMPORARY STABILIZATION. ANY AREAS THAT ARE IN TEMPORARY VEGETATION FOR OVER 6 MONTHS WILL NEED TO BE PERMANENTLY VEGETATED.
- FOR SPECIFICATIONS ON PERMANENT OR TEMPORARY STABILIZATION, SEE B-4-4 AND B-4-5.
- MULCHING ONLY IS RESTRICTED TO USE ON DISTURBED AREAS AS A TEMPORARY COVER WHERE VEGETATION IS NOT FEASIBLE OR WHERE SEEDING GERMINATION CANNOT BE COMPLETED BECAUSE OF WEATHER CONDITIONS. FOR SPECIFICATIONS SEE B-4-3, A.1.B
- FOR SPECIFICATIONS ON THE STABILIZATION OF CUT AND FILL SLOPES STEEPER THAN 3 HORIZONTAL TO 1 VERTICAL, SEE INCREMENTAL STABILIZATION B-4-1
- THE EXISTING TOPSOIL FROM ON OR OFF SITE THAT IS USED MUST MEET THE MINIMUM SPECIFICATION IN B-4-2
- THE REQUIRED SEQUENCE OF CONSTRUCTION MUST BE FOLLOWED DURING SITE DEVELOPMENT. ANY CHANGES IN THE SEQUENCE OF CONSTRUCTION MUST BE APPROVED BY THE SOIL CONSERVATION DISTRICT.
- ANY REVISIONS TO THE SEDIMENT CONTROL PLAN, NOT COVERED UNDER THE LIST OF PLAN MODIFICATIONS THAT CAN BE APPROVED BY THE SEDIMENT CONTROL INSPECTOR, NEED TO BE SUBMITTED TO THE SOIL CONSERVATION DISTRICT FOR APPROVAL.
- NO PROPOSED SLOPE THAT IS REQUIRED TO BE SEEDED AND/OR MULCHED SHALL BE STEEPER THAN 2:1. SLOPES STEEPER THEN 2:1 SHALL REQUIRE A ENGINEERED DESIGN FOR STABILIZATION
- ALL SEDIMENT CONTROL STRUCTURES WILL BE INSPECTED ONCE A WEEK AND AFTER EACH RAINFALL AND WILL BE REPAIRED, AS NEEDED, SO THAT THE STRUCTURE MEETS THE MINIMUM SPECIFICATIONS AS SHOWN IN THE 2011 STANDARDS AND SPECS.
- THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING ALL SEDIMENT AND EROSION CONTROL MEASURES UNTIL THE DISTURBED AREAS ARE PERMANENTLY STABILIZED.
- THE DISTRICT APPROVAL FOR THIS SEDIMENT CONTROL PLAN IS GOOD FOR 2 YEARS. AT THE END OF 2 YEARS, IF CONSTRUCTION OF THE PLAN HAS NOT STARTED, THE PLAN WILL NEED TO BE RESUBMITTED TO THE SOIL CONSERVATION DISTRICT FOR REVIEW AND RE-APPROVAL. ANY PLANS THAT ARE CURRENTLY UNDER CONSTRUCTION AFTER 2 YEARS MAY BE REQUIRED TO BE RESUBMITTED TO THE SOIL CONSERVATION DISTRICT BY THE SEDIMENT CONTROL INSPECTOR.

DUST CONTROL SCHEDULE

MAY-OCTOBER - ALL GRADED AREAS NOT BEING IMMEDIATELY STABILIZED AS NOTED IN THE "REQUIRED SEQUENCE OF CONSTRUCTION" SHALL BE WATERED ON A CONTINUING BASIS AS NECESSARY TO PROVIDE FOR DUST PROOFING. CONTRACTOR SHALL PROVIDE TANK TRUCK WITH SPRAY BAR ON SITE AT ANY TIME THE DISTURBED AREA EXCEEDS (3) ACRES.

**STABILIZATION SPECIFICATION
TEMPORARY SEEDING NOTES**

SCOPE: PLANTING SHORT TERM (NO MORE THAN 6 MONTHS) VEGETATION TO TEMPORARILY STABILIZE ANY AREA WHERE SOIL DISTURBANCE HAS OCCURRED, UNTIL THE AREA CAN BE PERMANENTLY STABILIZED WITH VEGETATIVE OR NON-VEGETATIVE PRACTICES.

STANDARDS: THE FOLLOWING NOTES SHALL CONFORM TO SECTION B-4 OF THE "2011 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL" PUBLISHED JOINTLY BY THE MARYLAND DEPARTMENT OF ENVIRONMENT - WATER MANAGEMENT ADMINISTRATION, THE NATIONAL RESOURCE CONSERVATION SERVICE AND THE MARYLAND ASSOCIATION OF SOIL CONSERVATION DISTRICTS.

- THE SEED BED SHALL BE PREPARED BY LOOSENING THE SOIL TO A DEPTH OF 3 TO 5 INCHES AND INCORPORATING THE LIME AND FERTILIZER INTO THIS LOOSENED LAYER OF SOIL. SEE SECTION B-4-2.
- FOR TEMPORARY STABILIZATION, FERTILIZER SHALL CONSIST OF A MIXTURE OF 10-20-20 AND BE APPLIED AT A RATE OF 436 LB. PER ACRE (10 LB. PER 1000 SQ. FT.) AND WILL MEET THE REQUIREMENTS IN SECTION B-4-2. LIME SHALL BE APPLIED AT A RATE OF 2 TONS PER ACRE (90 LB. PER SQ. FT.) AND SHALL MEET THE REQUIREMENTS IN SECTION B-4-2 AND B-4-4.
- SEED TYPE AND APPLICATION SHALL MEET THE REQUIREMENTS IN SECTION B-4-3 SEED TAGS SHALL BE MADE AVAILABLE TO THE INSPECTOR TO VERIFY THE TYPE AND RATE OF SEED USED. MULCH TYPE AND ITS APPLICATION WILL MEET THE REQUIREMENTS IN SECTION B-4-3 A, B AND C AND WILL BE APPLIED ALONG WITH THE SEED OR IMMEDIATELY AFTER SEEDING.
- SEEDING MIXTURES SHALL BE SELECTED FROM OR WILL BE EQUAL TO THOSE ON TABLE B.1 (PAGE B.20).

Temporary Seeding Summary

Hardness Zone (from Figure B.3): 7a Seed Mixture (from Table B.1):				Fertilizer Rate (10-20-20)	Lime Rate
No.	Species	Application Rate (lb/ac)	Seeding Dates		
	ANNUAL RYE	40	2/15-4/30; 8/15-11/30	436 lb/ac (10 lb/1000 sf)	2 tons/ac (90 lb/1000 sf)
	FOXTAIL MILLET	30	5/1-8/14		
			1/2"		

TRACK NOTE:

ON AREAS WHERE THE SLOPE IS 3:1 OR STEEPER AND THE HEIGHT IS 8' OR GREATER, CONTRACTOR SHALL TRACK THE SLOPE USING CLEATED DOZER PRIOR TO PLACING ASPHALT BINDER. DOZER SHALL RUN UP-AND-DOWN SO THAT CLEAT MARKS ARE HORIZONTAL. WHERE TRACKING IS REQUIRED, IT SHALL BE DONE FROM EXISTING GRADE LEVEL TO FINISHED GRADE LEVEL WITHIN THE LIMITS ESTABLISHED BY THE 8' HEIGHT CRITERIA.

UTILITY CONSTRUCTION NOTES:

- PLACE ALL EXCAVATED MATERIAL ON THE HIGH SIDE OF THE TRENCH.
- ONLY DO AS MUCH WORK AS CAN BE DONE IN ONE DAY SO BACKFILLING, FINAL GRADING, AND PERMANENT STABILIZATION CAN OCCUR.
- ANY SEDIMENT CONTROL MEASURES DISTURBED BY THE UTILITY CONSTRUCTION WILL BE REPAIRED THE SAME DAY.

STOCKPILE/TOPSOIL NOTES:

- STOCKPILING WILL NOT BE ALLOWED ON ANY IMPERVIOUS AREA.
- ALL STOCKPILES LEFT AT THE END OF THE DAY WILL NEED TO BE TEMPORARILY STABILIZED UNTIL THEY ARE AGAIN DISTURBED, UNLESS THEY ARE WITHIN EXISTING PERIMETER SEDIMENT CONTROLS.
- ALL STOCKPILE AREAS SHALL BE CONFINED WITHIN PERIMETER CONTROLS. IN THE EVENT THAT STOCKPILE AREAS MUST BE LOCATED OUTSIDE DISTURBED AREAS, THE LOCATION SHALL BE AS DIRECTED BY THE INSPECTOR IN THE FIELD.

PERMANENT SEEDING NOTES

SCOPE: PLANTING PERMANENT, LONG LIVED VEGETATIVE COVER ON GRADED AND/OR CLEARED AREAS AND AREAS THAT HAVE BEEN IN TEMPORARY VEGETATION FOR MORE THAN 6 MONTHS.

STANDARDS: THE FOLLOWING NOTES SHALL CONFORM TO SECTION B-4 OF THE "2011 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL" PUBLISHED JOINTLY BY THE MARYLAND DEPARTMENT OF ENVIRONMENT - WATER MANAGEMENT ADMINISTRATION, THE NATIONAL RESOURCE CONSERVATION SERVICE AND THE MARYLAND ASSOCIATION OF SOIL CONSERVATION DISTRICTS.

THE SEED BED SHALL BE PREPARED BY LOOSENING THE SOIL TO A DEPTH OF 3 TO 5 INCHES AND INCORPORATING THE LIME AND FERTILIZER INTO THIS LOOSENED LAYER OF SOIL. SEE SECTION B-4-2.

FOR SITES OVER 5 AC. SOIL TESTS WILL BE PERFORMED. SOIL TESTS WILL BE CONDUCTED BY THE UNIVERSITY OF MARYLAND OR A RECOGNIZED COMMERCIAL LABORATORY. MINIMUM SOIL CONDITIONS SHALL MEET THE REQUIREMENTS OF SECTION B-4-2-A-2-A, OTHERWISE SOIL AMENDMENTS OR TOPSOIL WILL NEED TO BE APPLIED. TOPSOILING MAY OCCUR WHEN SOIL CONDITIONS MEET THE MINIMUM REQUIREMENTS AS STATED IN SECTION B-4-2-B. SOIL AMENDMENTS MUST MEET THE REQUIREMENTS AS SET FORTH IN SECTION B-4-2-C AND MUST BE APPLIED AS INDICATED BY THE SOILS TESTS.

FOR SITES OF 5 AC. OR LESS OF DISTURBANCE, THE FOLLOWING FERTILIZER AND LIME RATES SHALL APPLY. FERTILIZER SHALL CONSIST OF A MIXTURE OF 10-20-20 AND BE APPLIED AT THE FOLLOWING RATES: N = 45 LB. PER ACRE (1 LB. PER 1000 SQ.FT.) P205 = 90 LB. PER ACRE (2 LB. PER 1000 SQ.FT.) K20 = 90 LB. PER ACRE (2 LB. PER 1000 SQ.FT.) LIME SHALL BE APPLIED AT A RATE OF 2 TONS PER ACRE (90 LB. PER 1000 SQ.FT.)

SEED TYPE, TURFGRASS OR SOD APPLICATION SHALL MEET THE REQUIREMENTS IN SECTION B-4-5. SEED TAGS SHALL BE MADE AVAILABLE TO THE INSPECTOR TO VERIFY THE TYPE AND APPLICATION RATE OF SEED USED. MULCH TYPE AND ITS APPLICATION WILL MEET THE REQUIREMENTS IN SECTION B-4-3 A, B AND C, AND WILL BE APPLIED ALONG WITH SEED OR IMMEDIATELY AFTER SEEDING.

SEEDING MIXTURES SHALL BE SELECTED FROM OR WILL BE EQUAL TO THOSE ON TABLE B-3. THE SEEDING CHART BELOW WILL NEED TO BE PLACED ON AND FILLED IN ON THE SEDIMENT CONTROL PLAN.

PERMANENT SEEDING SUMMARY

HARDINESS ZONE (FROM FIGURE B.3): 7a SEED MIXTURE (FROM TABLE B.3)				FERTILIZER RATE (10-20-20)			LIME RATE
NO.	SPECIES	APPLICATION RATE (lb/ac)	SEEDING DATES	N	P205	K20	
*9	IMPROVED TALL FESCUE (LOLIUM ARUNDINACEUM)	60 LB/AC	3/1-5/15 8/1-10/15	45 lb/ac (1.0 lb/ 1000 sf)	90 lb/ac (2 lb/ 1000 sf)	90 lb/ac (2 lb/ 1000 sf)	2 tons/ac (90 lb/ 1000 sf)
	IMPROVED KENTUCKY BLUEGRASS	40 LB/AC	3/1-5/15 8/1-10/15				
	IMPROVED PERENNIAL RYEGRASS	20 LB/AC	3/1-5/15 8/1-10/15				
*1	SWITCH GRASS (PANICUM VIRGATUM)	10 LB/AC	3/1-5/15 5/16-6/15	45 lb/ac (1.0 lb/ 1000 sf)	90 lb/ac (2 lb/ 1000 sf)	90 lb/ac (2 lb/ 1000 sf)	2 tons/ac (90 lb/ 1000 sf)
	CREEPING RED FESCUE (FESTUCA RUBRA)	15 LB/AC	3/1-5/15 5/16-6/15				
	PARTRIDGE PEA (CHAMAECRISTA FASCICUATA)	4 LB/AC	3/1-5/15 5/16-6/15				

*9 - USE 1 VARIETY ON THE MD/VA RECOMMENDED LIST (TT-77)

*1 - USE 2-4 VARIETIES ON THE MD/VA RECOMMENDED LIST (TT-77)

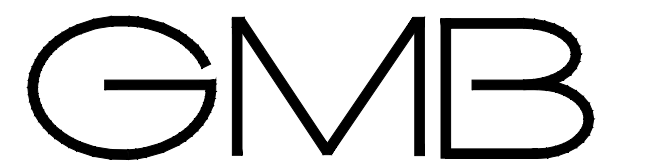
REQUIRED SEQUENCE OF CONSTRUCTION

- NOTIFY THE LOCAL SOIL CONSERVATION DISTRICT 24 HOURS PRIOR TO THE START OF CONSTRUCTION ACTIVITIES. ALL PROTECTION FENCING AND PERMANENT SIGNS REQUIRED SHALL BE INSTALLED PRIOR TO THE PRE-CONSTRUCTION MEETING WITH THE SEDIMENT INSPECTOR.
- CLEAR TREES WITHIN THE LIMIT OF DISTURBANCE.
- INSTALL EROSION AND SEDIMENT CONTROL MEASURES.
- WITH THE APPROVAL OF THE SEDIMENT CONTROL INSPECTOR BEGIN INSTALLATION OF THE UTILITY LINE. CONTRACTOR SHALL STABILIZE WORK AREA AT THE CLOSE OF EVERY WORK DAY PER THE PERMANENT SEEDING NOTE (THIS SHEET) OR THE APPLICABLE PAVEMENT RESTORATION DETAIL UNLESS THE TRENCH IS STEEL PLATED, IN WHICH CASE THE PERMANENT RESTORATION IS IMPLEMENTED AFTER BACKFILLING.
- EROSION AND SEDIMENT CONTROL NOTES REGARDING USE OF THE STAGING AREA AT CROUSE PARK:
 - CROUSE PARK IS SUBJECT TO FLOODING FROM RAINFALL EVENTS AND FROM HIGH TIDES; IF THE CONTRACTOR ELECTS TO USE THE STAGING AREA INDICATED, THE CONTRACTOR DOES SO AT THEIR OWN RISK AND THE TOWN AND ENGINEER ASSUME NO RESPONSIBILITY FOR ANY DAMAGE TO OR LOSS OF EQUIPMENT OR MATERIALS.
 - IF THE STAGING AREA AT CROUSE PARK IS UTILIZED, IT WILL BE SUBJECT TO OVERSIGHT BY THE CAROLINE SOIL CONSERVATION DISTRICT AND THE CONTRACTOR WILL BE SUBJECT TO THEIR REQUIREMENTS AT NO ADDITIONAL COST TO THE TOWN.
 - USE OF THE STAGING AREA FOR STOCKPILING SOIL IS LIMITED TO WHAT CAN BE STORED WHEN THE AREA IS NOT SUBJECT TO FLOODING. THE PRESENCE OF STOCKPILED SOILS IN THE AREA DURING PERIODS OF FLOODING IS PROHIBITED REGARDLESS OF THE CAUSE OF THE FLOODING.
- WITH THE APPROVAL OF THE SEDIMENT CONTROL INSPECTOR, REMOVE TEMPORARY SEDIMENT CONTROL MEASURES AND STABILIZED REMAINING DISTURBED AREAS.

SITE ANALYSIS

- TOTAL AREA OF SITE: 0.33 AC
- AREA DISTURBED: 9,012 SF
- TOTAL CUT: 230 CY
- TOTAL FILL: 230 CY

NOTE: EARTHWORK CUT AND FILL QUANTITIES INDICATED ON THIS PLAN ARE SHOWN FOR PURPOSES OF OBTAINING SEDIMENT CONTROL PLAN APPROVAL AND NOT TO BE USED FOR CONTRACTUAL OBLIGATIONS. CONTRACTOR IS RESPONSIBLE TO VERIFY QUANTITIES.



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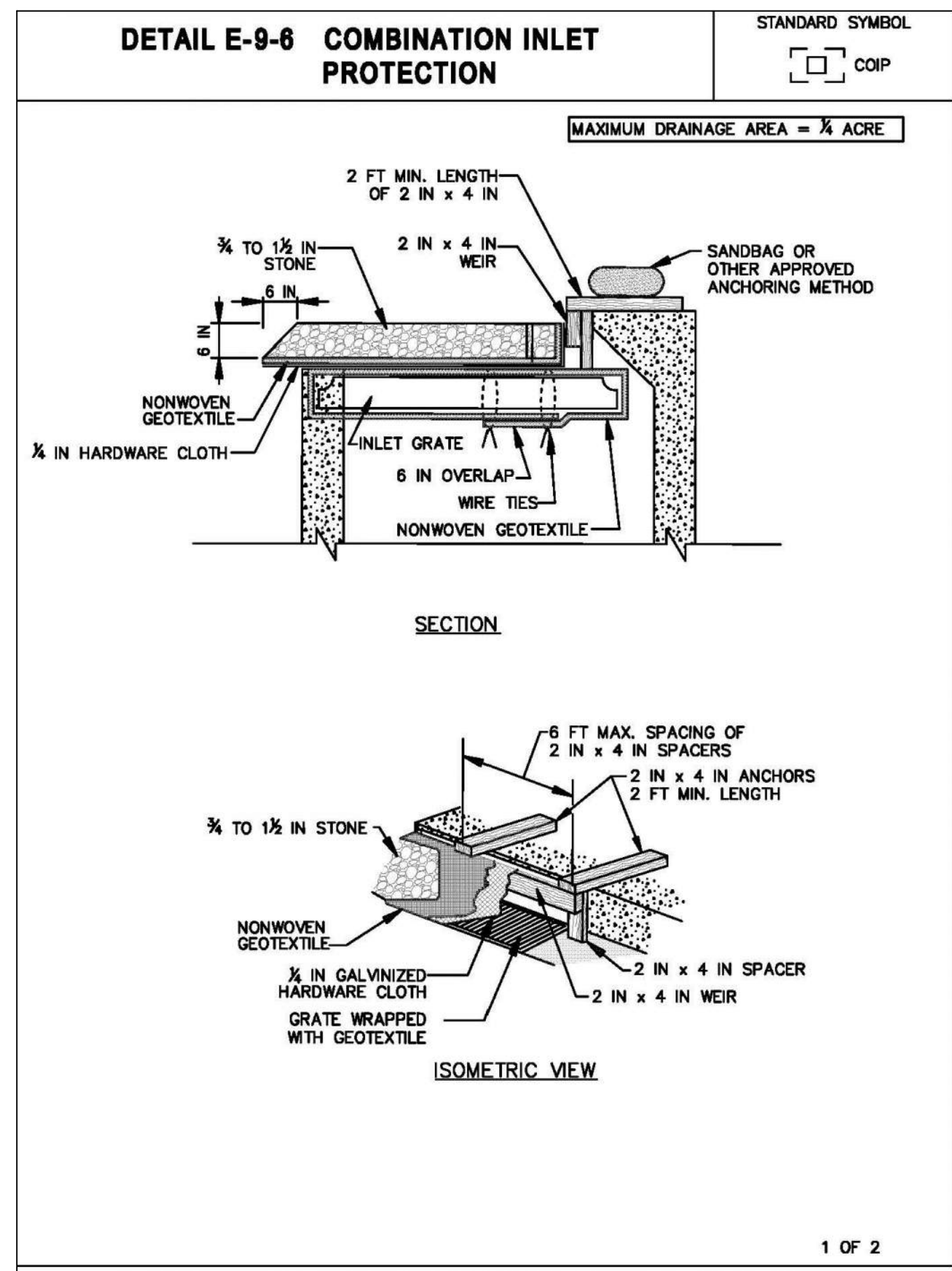
EROSION AND SEDIMENT CONTROL NOTES AND DETAILS

DESIGN	WMG	SHEET NO. 09
DRAWN	AMP/KMC	
CHECKED	WMG	
JOB	250044	
DATE	APRIL, 2026	SHEET 9 OF 10

TOWN OF DENTON
VISITOR CENTER WATER MAIN EXTENSION

CAROLINE COUNTY, MARYLAND

NO.	DATE	REVISIONS



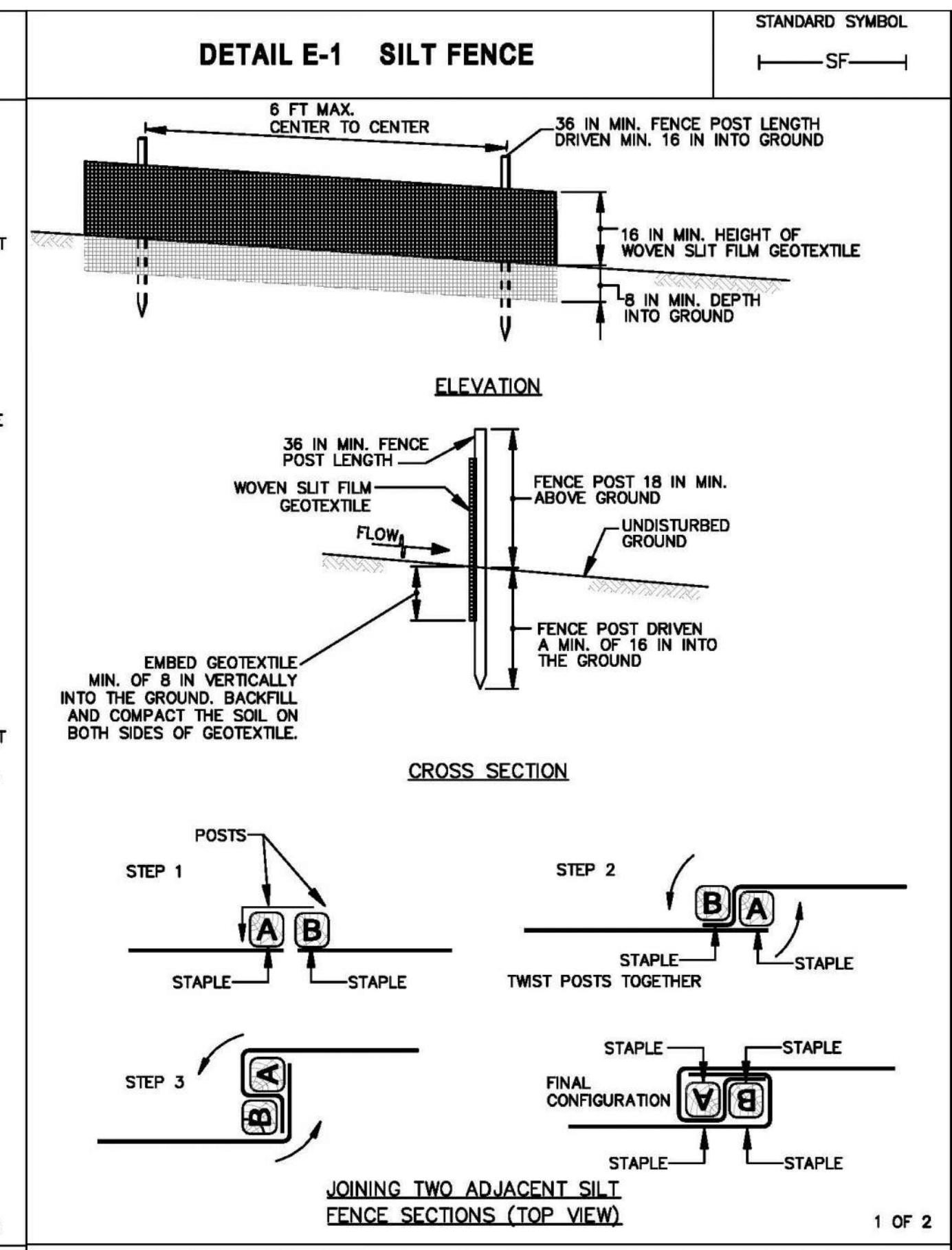
DETAIL E-9-6 COMBINATION INLET PROTECTION

STANDARD SYMBOL: COIP

CONSTRUCTION SPECIFICATIONS

- USE NOMINAL 2 INCH x 4 INCH LUMBER.
- USE NONWOVEN GEOTEXTILE AS SPECIFIED IN SECTION H-1 MATERIALS.
- LIFT GRATE, AND WRAP WITH NONWOVEN GEOTEXTILE TO COMPLETELY COVER ALL OPENINGS, THEN SET GRATE BACK IN PLACE.
- ATTACH A CONTINUOUS PIECE OF 1/4 INCH GALVANIZED HARDWARE CLOTH WITH A MINIMUM WIDTH OF 30 INCHES AND A MINIMUM LENGTH OF 4 FEET LONGER THAN THE THROAT OPENING, TO THE 2X4 WEIR, EXTENDING 2 FEET BEYOND THROAT ON EACH SIDE.
- PLACE A CONTINUOUS PIECE OF NONWOVEN GEOTEXTILE THE SAME DIMENSIONS AS THE HARDWARE CLOTH OVER THE HARDWARE CLOTH AND SECURELY ATTACH IT TO THE WEIR.
- NAIL THE 2X4 WEIR TO THE TOP OF A 9 INCH LONG VERTICAL SPACER TO BE LOCATED BETWEEN THE WEIR AND THE INLET FACE (MAXIMUM 4 FEET APART).
- PLACE THE ASSEMBLY AGAINST THE INLET THROAT AND NAIL TO 2X4 ANCHORS (MINIMUM 2 FOOT LENGTHS OF 2x4 INCH TO THE TOP OF THE WEIR AT SPACER LOCATIONS). EXTEND 2X4 ANCHORS ACROSS THE INLET TOP AND HOLD IN PLACE BY SANDBAGS OR OTHER APPROVED ANCHORING METHOD.
- INSTALL END SPACERS A MINIMUM OF 1 FOOT BEYOND BOTH ENDS OF THE THROAT OPENING.
- FORM THE 1/4 INCH HARDWARE CLOTH AND THE GEOTEXTILE TO THE CONCRETE GUTTER AND AGAINST THE FACE OF THE CURB ON BOTH SIDES OF THE INLET. PLACE CLEAN 1/4 TO 1/2 INCH STONE OR EQUIVALENT RECYCLED CONCRETE OVER THE HARDWARE CLOTH AND GEOTEXTILE IN SUCH A MANNER TO PREVENT WATER FROM ENTERING THE INLET UNDER OR AROUND THE GEOTEXTILE.
- AT NON-SUMP LOCATIONS, INSTALL A TEMPORARY SANDBAG OR ASPHALT BERM TO PREVENT INLET BYPASS.
- STORM DRAIN INLET PROTECTION REQUIRES FREQUENT MAINTENANCE. REMOVE ACCUMULATED SEDIMENT AFTER EACH RAIN EVENT TO MAINTAIN FUNCTION AND AVOID PREMATURE CLOGGING. IF INLET PROTECTION DOES NOT COMPLETELY DRAIN WITHIN 24 HOURS AFTER A STORM EVENT, IT IS CLOGGED. WHEN THIS OCCURS, REMOVE ACCUMULATED SEDIMENT AND CLEAN, OR REPLACE GEOTEXTILE AND STONE.

2 OF 2



DETAIL E-1 SILT FENCE

STANDARD SYMBOL: SF

CONSTRUCTION SPECIFICATIONS

- USE WOOD POSTS 1 1/4 x 1 1/4 ± 1/8 INCH (MINIMUM) SQUARE CUT OF SOUND QUALITY HARDWOOD, AS AN ALTERNATIVE TO WOODEN POST USE STANDARD "T" OR "U" SECTION STEEL POSTS WEIGHING NOT LESS THAN 1 POUND PER LINEAR FOOT.
- USE 36 INCH MINIMUM POSTS DRIVEN 16 INCH MINIMUM INTO GROUND NO MORE THAN 6 FEET APART.
- USE WOVEN SLIT FILM GEOTEXTILE AS SPECIFIED IN SECTION H-1 MATERIALS AND FASTEN GEOTEXTILE SECURELY TO UPSLOPE SIDE OF FENCE POSTS WITH WIRE TIES OR STAPLES AT TOP AND MID-SECTION.
- PROVIDE MANUFACTURER CERTIFICATION TO THE AUTHORIZED REPRESENTATIVE OF THE INSPECTION/ENFORCEMENT AUTHORITY SHOWING THAT THE GEOTEXTILE USED MEETS THE REQUIREMENTS IN SECTION H-1 MATERIALS.
- EMBED GEOTEXTILE A MINIMUM OF 8 INCHES VERTICALLY INTO THE GROUND. BACKFILL AND COMPACT THE SOIL ON BOTH SIDES OF FABRIC.
- WHERE TWO SECTIONS OF GEOTEXTILE ADJOIN: OVERLAP, TWIST, AND STAPLE TO POST IN ACCORDANCE WITH THIS DETAIL.
- EXTEND BOTH ENDS OF THE SILT FENCE A MINIMUM OF FIVE HORIZONTAL FEET UPSLOPE AT 45 DEGREES TO THE MAIN FENCE ALIGNMENT TO PREVENT RUNOFF FROM GOING AROUND THE ENDS OF THE SILT FENCE.
- REMOVE ACCUMULATED SEDIMENT AND DEBRIS WHEN BULGES DEVELOP IN SILT FENCE OR WHEN SEDIMENT REACHES 25% OF FENCE HEIGHT. REPLACE GEOTEXTILE IF TORN. IF UNDERMINING OCCURS, REINSTALL FENCE.

2 OF 2

LEGEND

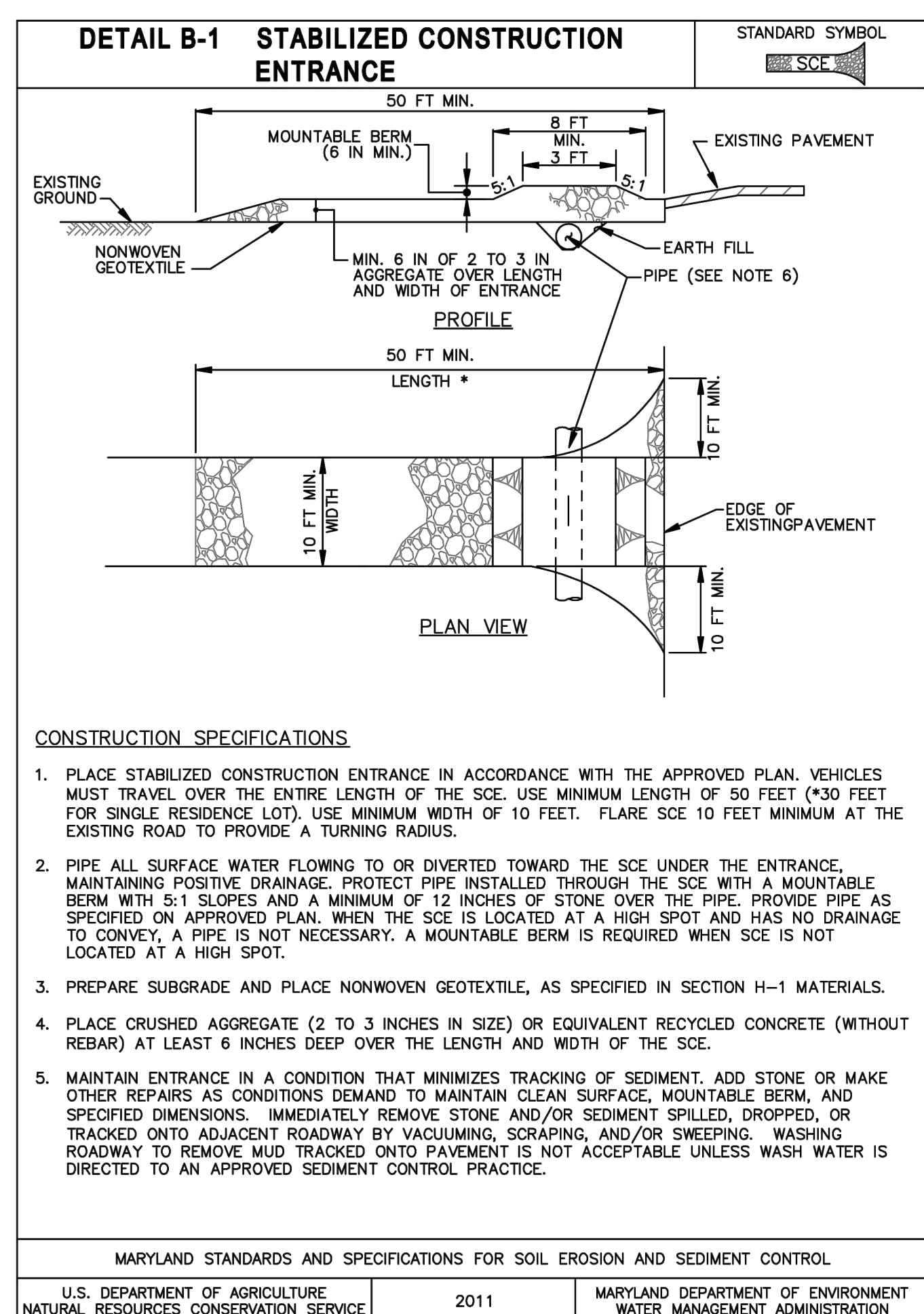
---	1 FOOT CONTOURS
---	5 FOOT CONTOURS
=====	EXIST. PAVEMENT, CURB AND GUTTER
—W—W—W—W—W—	EXIST. WATER MAIN
—E—E—E—E—E—	EXIST. UG ELECTRIC
—T—T—T—T—T—	EXIST. UG TELEPHONE
—C—C—C—C—C—	EXIST. UG CABLE TV
	EXIST. WATER VALVE, GAS VALVE, FIRE HYDRANT
	EXIST. MAILBOX
—LOD—	LIMIT OF DISTURBANCE
—SF—	SILT FENCE
—SSF—	SUPER SILT FENCE
	INLET PROTECTION

MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL		
U.S. DEPARTMENT OF AGRICULTURE NATURAL RESOURCES CONSERVATION SERVICE	2011	MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION

MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL		
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NO.	DATE	REVISIONS

TOWN OF DENTON
VISITOR CENTER WATER MAIN EXTENSION

CAROLINE COUNTY, MARYLAND

GEORGE, MILES & BUHR, LLC
ARCHITECTS & ENGINEERS
SALISBURY • BALTIMORE • SEAFORD
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EROSION AND SEDIMENT CONTROL NOTES AND DETAILS		SHEET NO.
DESIGN	WMG	10
DRAWN	AMP/KMC	
CHECKED	WMG	
JOB	250044	
DATE	APRIL, 2026	
		SHEET 10 OF 10

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