



# DEKALB COUNTY

## DEPARTMENT OF WATERSHED MANAGEMENT

### SCOTT BOULEVARD PHASE II WATER MAIN REPLACEMENT PROJECT

#### JANUARY 2021

**OWNER**  
**DEKALB COUNTY DEPARTMENT OF WATERSHED MANAGEMENT**  
 4572 MEMORIAL DRIVE  
 DECATUR, GEORGIA 30032  
 CONTACT: JULIO TRINIDAD,  
 PHONE: (404) 687-3457

**OFFICERS**  
 CHIEF EXECUTIVE OFFICER      MICHAEL THURMOND

**DEKALB COUNTY BOARD OF COMMISSIONERS**  
 DISTRICT 1      ROBERT PATRICK  
 DISTRICT 2      JEFF RADER  
 DISTRICT 3      LARRY JOHNSON  
 DISTRICT 4      STEVE BRADSHAW  
 DISTRICT 5      MEREDA DAVIS JOHNSON  
 DISTRICT 6      EDWARD TERRY  
 DISTRICT 7      LORRAINE COCHRAN-JOHNSON

**DEPARTMENT OF WATERSHED MANAGEMENT**  
 DIRECTOR      REGINALD WELLS

**DESIGNER**  
 ATKINS, NORTH AMERICA  
 1600 RIVEREDGE PARKWAY, SUITE 700  
 ATLANTA, GEORGIA 30328

**SITE LOCATION:**  
 FROM THE INTERSECTION OF U.S. HWY 78 &  
 DEKALB INDUSTRIAL WAY TO THE INTERSECTION  
 OF GROVE PL. & E PONCE DE LEON AVE.  
 DEKALB COUNTY, GEORGIA

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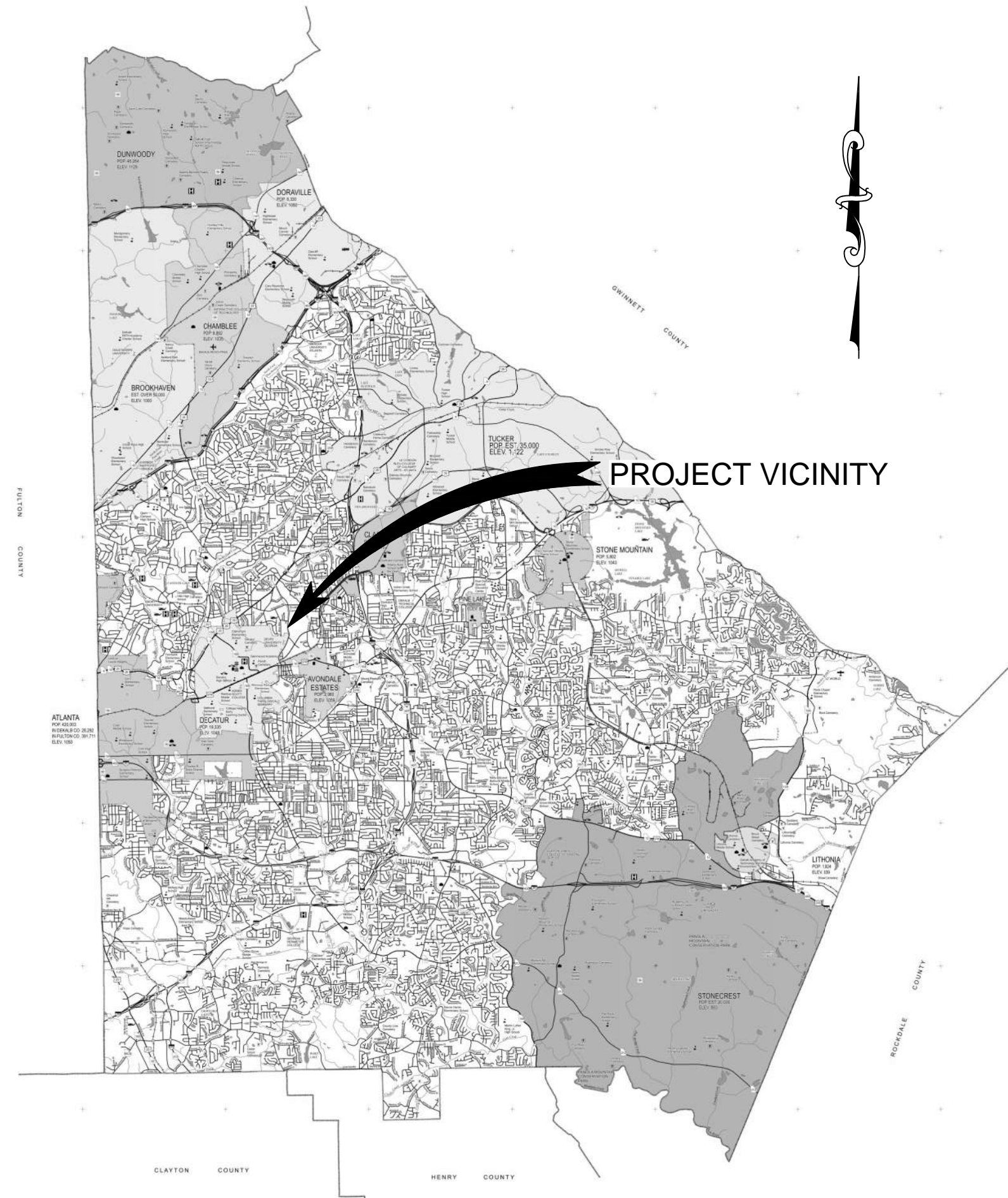
**NOTES**

- ALL EROSION AND SEDIMENTATION CONTROLS AND ALL TREE PROTECTION MEASURES SHALL BE INSTALLED PRIOR TO GRADING.
- CONTACTS:  
 DEKALB WATERSHED MANAGEMENT:  
 JULIO TRINIDAD, PHONE: (404) 687-3457  
 24 HR EMERGENCY OPERATIONS CONTACT, PHONE: (678) 237-3812  
  
 GDOT DISTRICT ACCESS MANAGEMENT ENGINEER:  
 CHRISTOPHER MCKINNEY, PHONE (770) 986-7070  
 GDOT AREA 1 OFFICE, PHONE (404) 687-3457
- NECESSARY BARRICADES, SUFFICIENT LIGHTS, SIGNS AND OTHER TRAFFIC CONTROL METHODS AS MAY BE NECESSARY FOR THE PROTECTION AND SAFETY OF THE PUBLIC SHALL BE PROVIDED AND MAINTAINED THROUGHOUT WIDENING OF AND CONSTRUCTION ON DEKALB COUNTY ROADS.
- BEGIN CONSTRUCTION: N: 1382263.09      W: 2261996.74  
 END CONSTRUCTION: N: 1373959.30      W: 2262573.57
- PROJECT AREA= 7.03 ACRES  
 DISTURBED AREA= 1.86 ACRES  
 NPDES FEES= 1.86 x \$40.00 = \$74.40  
 PAID TO DEKALB COUNTY AND \$74.40  
 PAID TO EPD.

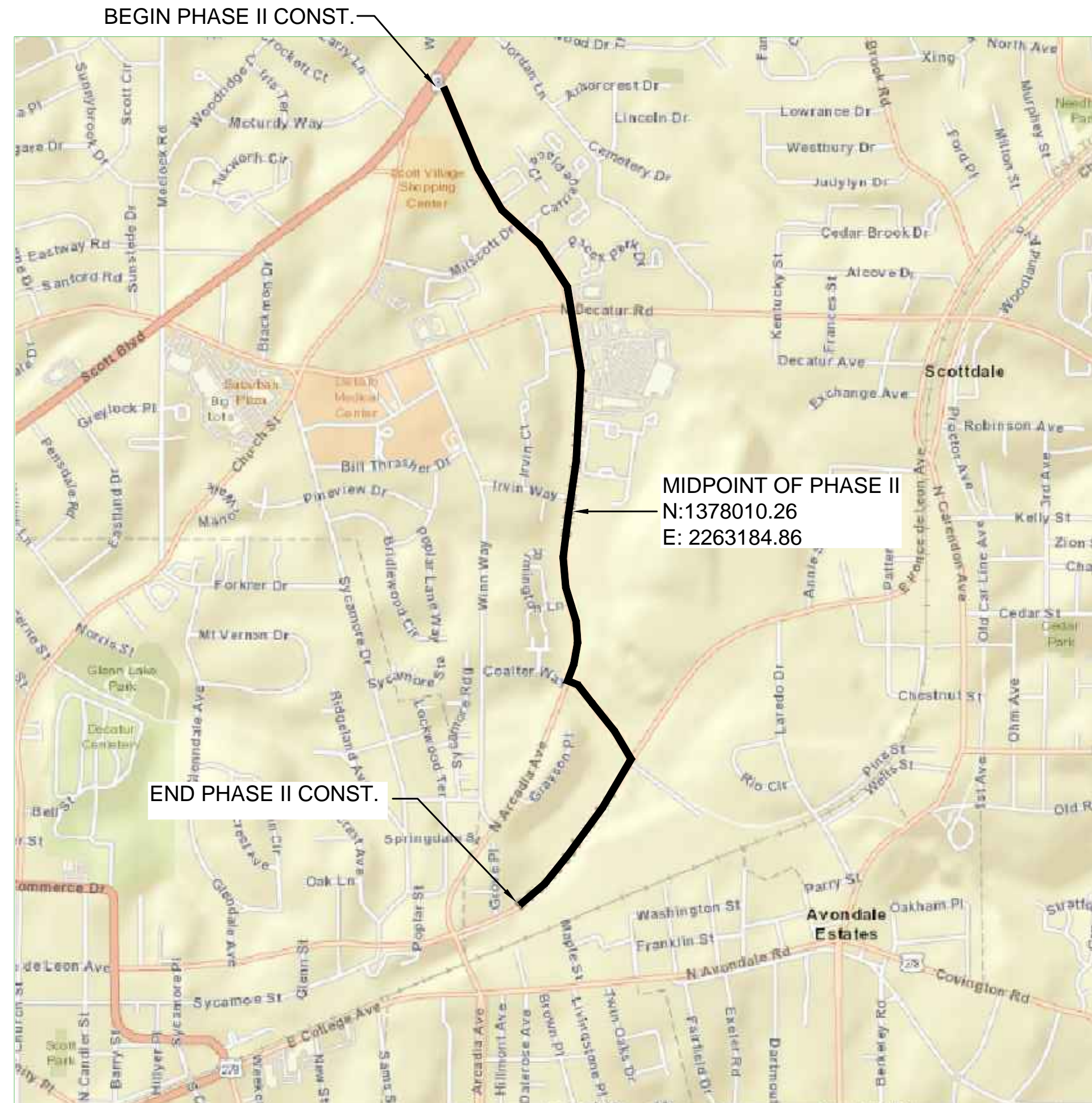
**GSWCC** GEORGIA SOIL AND WATER CONSERVATION COMMISSION

**MR. MARK D. COOKE, PE**  
 Level II Certified Design Professional

CERTIFICATION NUMBER: **0000029484**  
 ISSUED: **11/06/2018**      EXPIRES: **11/06/2021**



**SITE LOCATION MAP**  
 NOT TO SCALE



**VICINITY MAP**  
 NOT TO SCALE

**WATER AND SEWER NOTES**

- ALL DESIGN AND CONSTRUCTION SHALL COMPLY WITH DEKALB COUNTY DEPARTMENT OF WATERSHED MANAGEMENT DESIGN STANDARDS, LATEST EDITION.
- THE DESIGN STANDARDS, LATEST EDITION ARE PROVIDED ON THE DWM ECMS WEBSITE.
- CONTRACTOR SHALL PROVIDE RECORD DRAWINGS "AS-BUILT PLANS" AND "FINAL PLANS" (IF APPLICABLE) IN HARD COPY AND ELECTRONIC FORMAT (AUTOCAD OR MICROSTATION).
- FIELD CHANGES DURING CONSTRUCTION MUST BE SUBMITTED FOR REVIEW AND APPROVAL TO THE DWM CONSTRUCTION MANAGER.
- CONTRACTOR MUST NOTIFY WATER AND SEWER CONSTRUCTION INSPECTOR 72 HOURS PRIOR TO COMMENCING CONSTRUCTION ACTIVITIES:

DISTRICT 15:      LONNIE KELLEY      (404) 391-4164  
 DISTRICT 18:      DANIEL TUCKER      (404) 732-6411



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100% SUBMITTAL



4/26/2021

ATKINS NORTH AMERICA INC.  
 CERTIFICATE OF AUTHORIZATION # PEF000902  
 EXPIRATION DATE: 06/30/2022



1600 Riveredge Parkway, Suite 700  
 Atlanta, Ga 30328  
 P: 770-933-0280



REVISION DATES		
REV	DATE	BY

DEKALB COUNTY DWM  
 SCOTT BOULEVARD PHASE II WATER MAIN REPLACEMENT PROJECT

**COVER SHEET**

DRAWING No.  
**COV**

**GENERAL ABBREVIATIONS**

AFF	ABOVE FINISHED FLOOR
AL	ALUMINUM
ALT	ALTERNATE
B/	BOTTOM OF
BF	BLIND FLANGE
BFV	BUTTERFLY VALVE
BLDG	BUILDING
BOT	BOTTOM
BTU	BRITISH THERMAL UNIT
BV	BALL VALVE
CFM	CUBIC FEET PER MINUTE
CHKV	CHECK VALVE
CJ	CONSTRUCTION JOINT
CL	CENTER LINE
CLJ	CONTROL JOINT
CLOS	CLOSET
CLR	CLEAR
CMU	CONCRETE MASONARY UNIT
CO	CLEAN OUT
COL	COLUMN
CON	CONCENTRIC
CONC	CONCRETE
CONN	CONNECTION
CONT	CONTINUOUS
CP	CONTROL PANEL
CPVC	CHLORINATED POLYVINYL CHLORIDE PIPE
CPLG	COUPLING
CU	COPPER
D	DOOR
DBL	DOUBLE
DI	DUCTILE IRON
DIA	DIAMETER
DIM	DIMENSION
DIP	DUCTILE IRON PIPE
DN	DOWN
DWG	DRAWING
E	EAST
ECC	ECCENTRIC
EF	EACH FACE
EL	ELEVATION
ELEC	ELECTRICAL
EQUIP	EQUIPMENT
EW	EACH WAY
EXIST	EXISTING
EXP	EXPANSION
EXT	EXTERIOR
FD	FLOOR DRAIN
FDN	FOUNDATION
FF	FINISHED FLOOR
FH	FIRE HYDRANT
FIN	FINISHED
FL	FLOOR
FLG	FLANGED
FLRD	FLARED
FM	FORCE MAIN
FRP	FIBER GLASS REINFORCED PIPE
FT	FOOT
GAL	GALLON
GALV	GALVANIZED
GEN	GENERATOR
GND	GROUND
GPM	GALLONS PER MINUTE
GV	GATE VALVE
HB	HOSE BIBB
HDWL	HEADWALL
HM	HOLLOW METAL
HORIZ	HORIZONTAL
HP	HORSEPOWER OR HIGH POINT
HVAC	HEATING, VENTILATING AND AIR CONDITIONING
HWL	HIGH WATER LEVEL
I.E.	INVERT ELEVATION
INCR	INCREASER
IPF	IRON PIN FOUND
JT	JOINT
KW	KILOWATT

**GENERAL ABBREVIATIONS (CONT'D.)**

L	LOUVER
LB	POUND
LF	LINEAR FEET
LG	LONG
LP	LOW POINT
LR	LONG RADIUS
LT	LEFT
LWL	LOW WATER LEVEL
M	MOTOR
MAG	MAGNETIC
MATL	MATERIAL
MAX	MAXIMUM
MCC	MOTOR CONTROL CENTER
MECH	MECHANICAL
MFR	MANUFACTURER
MH	MANHOLE
MIN	MINIMUM
MJ	MECHANICAL JOINT
MTL	METAL
N	NORTH
NC	NORMALLY CLOSED
NO	NORMALLY OPENED
OC	ON CENTER
OD	OUTSIDE DIAMETER
OPNG	OPENING
PLCS	PLACES
PREFAB	PREFABRICATED
PRV	PRESSURE REDUCING VALVE
PS	PUMP STATION
PSI	POUNDS PER SQUARE INCH
PV	PLUG VALVE
PVC	POLYVINYL CHLORIDE PIPE
R	RADIUS
RB	REBAR
RCP	REINFORCED CONCRETE PIPE
RD	ROOF DRAIN
RED	REDUCER
REF	REFERENCE
REINF	REINFORCED
REQD	REQUIRED
RJ	RESTRAINED JOINT
RPM	REVOLUTIONS PER MINUTE
RT	RIGHT
S	SOUTH
SCH	SCHEDULE
SHT	SHEET
SIM	SIMILAR
S.J.	SAW CUT JOINT
SMH	SANITARY MANHOLE
SPEC	SPECIFICATION
SQ	SQUARE
SS	STAINLESS STEEL OR SANITARY SEWER
STD	STANDARD
SL	STEEL
UNO	UNLESS NOTED OTHERWISE
T/	TOP
T/C	THRUST COLLAR
TBM	TEMPORARY BENCH MARK
THK	THICK
TOW	TOP OF WALL
TYP	TYPICAL
VAC	VACUUM
VCP	VITRIFIED CLAY PIPE
VERT	VERTICAL
VIC	VICTAULIC
VTR	VENT THROUGH ROOF
W	WATER
WD	WOOD
W/	WITH
W/O	WITHOUT
WWF	WELDED WIRE FABRIC
XFMR	TRANSFORMER
YH	YARD HYDRANT
°C	DEGREES CENTIGRADE
°F	DEGREES FAHRENHEIT

**LEGEND**

	GUARD RAIL		CONTROL/TRVERSE POINT
	STORM SEWER		FINISHED FLOOR ELEVATION
	OVERHEAD ELECTRIC		INVERT ELEVATION
	GAS LINE		REINFORCED CONCRETE PIPE
	UNDERGROUND ELECTRIC		CORRUGATED METAL PIPE
	FIBER OPTIC		VITRIFIED CLAY PIPE
	SANITARY SEWER LINE		DUCTILE IRON PIPE
	WATER LINE		YARD INLET
	CURB & GUTTER		SPOT ELEVATION
	CHAIN LINK FENCE		TELEPHONE MANHOLE
	LIGHT POLE (LP)		GAS VALVE (GV)
	GUY WIRE		GAS METER (GM)
	UTILITY/POWER POLE (UP)(PP)(PTP)		TREES
	BORE HOLE		HARDWOOD
	SIGN		WATER VAULT
	WATER VALVE (WV)		HEADWALL (HW)
	WATER METER (WM)		FLARED END SECTION (FES)
	FIRE HYDRANT (FH)		DOUBLE WING CATCHBASIN
	CLEAN OUT (CO)		SINGLE WING CATCHBASIN
	WATER MANHOLE		MINOR CONTOUR
	SANITARY SEWER MANHOLE (SSMH)		MAJOR CONTOUR
	ELECTRICAL MANHOLE		PROPERTY PIN FOUND
	STORM DRAIN MANHOLE (STMH)		FIBER OPTIC PEDESTAL
	ELECTRICAL METER		FIBER OPTIC CABINET
	FLOW ARROW		FIBER OPTIC BOX
	CURB INLET (CI)		
	GRATE INLET-SQUARE (DI)		
	TERMINUS UNKNOWN		
	ELECTRIC CABINET		
	CATHODIC PROTECTION TEST STATION		



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CERTIFICATE OF AUTHORIZATION # PEF000902
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**ATKINS**  
1600 Riveredge Parkway, Suite 700  
Atlanta, Ga 30328  
P: 770-933-0280



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REV	DATE	BY

DEKALB COUNTY DWM  
SCOTT BOULEVARD PHASE II WATER MAIN REPLACEMENT PROJECT

**LEGEND AND ABBREVIATIONS**

DRAWING No. G-01

GENERAL NOTES FOR WATER MAIN INSTALLATION

1. A PRECONSTRUCTION CONFERENCE MUST BE HELD WITH MEMBERS OF DEKALB DEPARTMENT OF WATERSHED MANAGEMENT (DWM) AND THE CONTRACTOR OF RECORD BEFORE ANY WORK CAN BE DONE ON SITE. CONTRACTOR TO NOTIFY DEKALB COUNTY PROJECT MANAGER 72 HOURS BEFORE THE BEGINNING OF EACH PHASE OF CONSTRUCTION.
2. ALL WORK SHALL COMPLY WITH THE LATEST EDITIONS OF MASTER SPECIFICATIONS AND DESIGN STANDARDS FOR DEKALB COUNTY DEPARTMENT OF WATERSHED MANAGEMENT POTABLE WATER MAIN, GRAVITY SANITARY SEWER, AND SANITARY SEWER AND FORCE MAIN DESIGN STANDARDS. IN ADDITION TO APPLICABLE STATE, FEDERAL, AND LOCAL CODES, ALL NECESSARY LICENSES AND PERMITS SHALL BE OBTAINED BY THE CONTRACTOR AT HIS OWN EXPENSE UNLESS PREVIOUSLY OBTAINED BY DWM.
3. DEVIATION FROM THESE PLANS WITHOUT THE PRIOR CONSENT OF DWM OR HIS REPRESENTATIVE OR THE ENGINEER MAY BE CAUSE FOR THE WORK TO BE UNACCEPTABLE.
4. IF THE CONTRACTOR DAMAGES ANY EXISTING UTILITIES DURING CONSTRUCTION, HE SHALL, AT HIS OWN EXPENSE, HAVE REPLACED OR REPAIRED THE UTILITIES TO THEIR ORIGINAL OR BETTER CONDITION AND QUALITY, AS APPROVED BY THE REPRESENTATIVE OF THE APPROPRIATE UTILITY COMPANY.
5. CONTRACTOR IS TO MEET ALL LOCAL UTILITY COMPANY REGULATIONS IN ANY FIELD ADJUSTMENT OR RELOCATION OF EXISTING SERVICES.
6. CONTRACTOR SHALL ADJUST NEW PIPELINE LOCATION BASED ON FIELD CONDITIONS AND FIELD INSPECTOR REQUIREMENTS. ANY ADJUSTMENTS TO THE NEW PIPELINE LOCATION REQUIRE REVIEW AND APPROVAL FROM DWM AND DESIGN ENGINEER.
7. ALL EXISTING UTILITY LOCATIONS SHOWN, HORIZONTAL AND VERTICAL ARE APPROXIMATE. CONTRACTOR TO CONFIRM LOCATIONS PRIOR TO INSTALLATION OF PROPOSED IMPROVEMENTS.
8. INSTALLATION OF EROSION CONTROL MEASURES AND PRACTICES SHALL TAKE PLACE PRIOR TO AND CONCURRENT WITH LAND DISTURBING ACTIVITIES. ALL EROSION AND CONTROL MEASURES SHALL BE MAINTAINED AT ALL TIMES AND SHALL BE INSPECTED REGULARLY USING THE EROSION AND SEDIMENT CONTROL CHECKLIST. ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSTALLED IF DEEMED NECESSARY BY THE OWNER.
9. DRAINAGE SYSTEMS SHALL BE MAINTAINED, KEPT FREE OF DEBRIS, AND IN OPERATING CONDITION AT ALL TIMES DURING CONSTRUCTION OF THIS PROJECT. THIS MAY INCLUDE, BUT NOT LIMITED TO, REPLACEMENT OR RECONSTRUCTION OF EXISTING DRAINAGE STRUCTURES THAT HAVE BEEN DAMAGED OR REMOVED OR RE-GRADED AS REQUIRED BY THE ENGINEER. EXCEPT FOR THOSE DRAINAGE ITEMS SHOWN AT SPECIFIC LOCATIONS IN THE PLANS AND HAVING SPECIFIC PAY ITEMS IN THE DETAILED ESTIMATE. NO SEPARATE PAYMENT WILL BE MADE FOR ANY COSTS INCURRED TO COMPLY WITH THIS REQUIREMENT.
10. ALL SIGNS, MAILBOXES, FENCING, LANDSCAPING, ETC. SHALL BE PROTECTED DURING CONSTRUCTION. SHOULD IT BE REQUIRED TO REMOVE OR DISTURB SUCH ITEMS, THE CONTRACTOR SHALL SEEK APPROVAL FROM THE OWNER FIRST AND IF APPROVED, THE REMOVAL OR DISTURBANCE OF SUCH ITEMS WILL BE DONE AT NO ADDITIONAL COST TO THE OWNER. SHOULD THE OWNER DEEM ANY ITEMS AS DAMAGED, THE CONTRACTOR SHALL REPLACE THE ITEM IN LIKE AND KIND AT NO ADDITIONAL EXPENSE TO DEKALB COUNTY. TRANSPLANTED AND/OR REPLACED ITEMS SHALL BE GUARANTEED BY THE CONTRACTOR FOR ONE YEAR AFTER WORK IS COMPLETED. TRAFFIC CONTROL SIGNS AND MAIL BOXES SHALL BE REPLACED THE DAY OF THEIR REMOVAL.
11. CONTRACTOR SHALL FURNISH SUITABLE BORROW MATERIAL FOR THE PROJECT THAT SHALL BE APPROVED BY THE DEKALB DWM INSPECTOR PRIOR TO USE. ALL SPOIL MATERIALS, REFUSE, AND DEBRIS SHALL BE REMOVED FROM THE SITE BY THE CONTRACTOR AND LEGALLY DISPOSED OF AT AN APPROPRIATE OFFSITE LOCATION. BURNING OF REFUSE, DEBRIS, OR SPOIL MATERIAL AT THE PROJECT SITE IS NOT ALLOWED.
12. ALL PROJECT SITE AREAS DISTURBED BY CONTRACTOR OPERATIONS SHALL BE STABILIZED WITH PERMANENT GRASSING UNLESS OTHERWISE NOTED. PERMANENT GRASSING SHALL BE SOD UNLESS OTHERWISE SPECIFICALLY NOTED IN THE CONTRACT DOCUMENTS OR APPROVED BY THE OWNER. ANY AREAS OUTSIDE THE PROJECT SITE AREA THAT ARE DISTURBED SHALL BE RESTORED AT THE EXPENSE OF THE CONTRACTOR.
13. THE CONTRACTOR SHALL RESTORE ALL DISTURBED GRAVEL, PAVED, OR CONCRETE ENTRANCES, DRIVES, DRIVEWAYS, AND APRONS TO PRECONSTRUCTION CONDITIONS AND IN ACCORDANCE WITH APPLICABLE DOT AND DEKALB COUNTY STANDARDS AND REQUIREMENTS.
14. THE SIZE, TYPE, MATERIALS, AND LOCATIONS OF EXISTING UNDERGROUND UTILITIES SHOWN ON THE PLANS ARE BASED THE BEST AVAILABLE INFORMATION. SUBSURFACE UTILITY INFORMATION SHOWN IS APPROXIMATE ONLY AND NO GUARANTEE IS MADE THAT ALL UTILITIES AND OTHER FEATURES ARE REPRESENTED ON THE PLANS ARE CORRECT. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE THE LOCATION AND SIZE OF ALL EXISTING UTILITIES PRIOR TO BEGINNING CONSTRUCTION.
15. IF THE CONTRACTOR ENCOUNTERS SUBSURFACE CONDITIONS DIFFERENT FROM THOSE SHOWN ON THE PLANS, HE SHALL IMMEDIATELY NOTIFY THE OWNER AND ENGINEER. NO EXISTING UTILITY SHALL BE DISTURBED WITHOUT PROPERTY AUTHORITY AND THEN ONLY IN SUCH A MANNER AS PRESCRIBED AND APPROVED BY THE OWNER OF THE EXISTING UTILITY.
16. SHOULD IT BECOME NECESSARY TO DISTURB AN EXISTING UTILITY, THE CONTRACTOR IS TO NOTIFY THE OWNER AND THE OWNER OF THE UTILITY WHEN NECESSARY. CONTRACTOR IS TO CEASE WORK UNTIL SATISFACTORY ARRANGEMENTS HAVE BEEN MADE WITH THE UTILITY OWNER TO PROPERLY CARE FOR AND RELOCATE THE UTILITY. NO CLAIMS SHALL BE ALLOWED THE CONTRACTOR ON ACCOUNT OF ANY DELAY OCCASIONED THEREBY.
17. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT EXISTING UTILITIES FROM DAMAGE. ANY DAMAGE TO EXISTING UTILITIES CAUSED BY THE CONTRACTOR SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE. EITHER THE CONTRACTOR OR UTILITY OWNER WILL PERFORM THE REPAIR AT THE DISCRETION OF THE UTILITY OWNER. NO CLAIMS FOR DAMAGES SHALL BE ALLOWED THE CONTRACTOR ON ACCOUNT OF ANY DELAY OCCASIONED THEREBY.
18. THE CONTRACTOR SHALL PROVIDE ALL PIPE FITTINGS AND APPURTENANCES REQUIRED FOR THE COMPLETE INSTALLATION OF THE PROPOSED PIPELINE. WHETHER OR NOT SUCH ITEMS ARE SHOWN OR CALLED OUT ON THE PLANS, THE CONTRACTOR IS ADVISED THAT FIELD ADJUSTMENTS MAY BE REQUIRED BASED ON ACTUAL SUBSURFACE CONDITIONS AND LOCATIONS OF EXISTING BURIED UTILITIES ENCOUNTERED DURING CONSTRUCTION. THE CONTRACTOR SHALL NOT RECEIVE ANY ADDITIONAL PAYMENT OR TIME EXTENSION FOR ITEMS NOT BEING SHOWN IN PLANS OR FOR FIELD ADJUSTMENTS MADE DUE TO ACTUAL SUBSURFACE CONDITIONS AND UTILITY LOCATION.
19. AT COMPLETION OF CONSTRUCTION, ALL VALVE BOXES, METERS, AND APPURTENANCES SHALL BE SET FOR PROPER FINISH GRADE. PRECAST STRUCTURES, MANHOLE FRAMES AND COVERS ARE TO BE SET FLUSH WITH FINISHED GRADE UNLESS OTHERWISE INDICATED IN THE PLANS OR SPECIFICATIONS.




ADDITIONAL NOTES

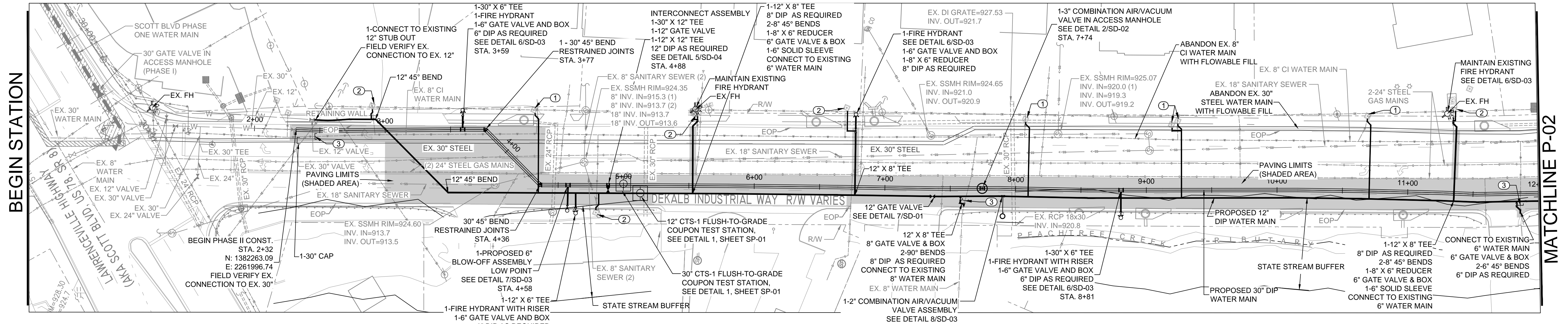
1. THE CONTRACTOR IS REQUIRED TO PERFORM PRE-CONSTRUCTION VIDEO OF THE ENTIRE CONSTRUCTION AREA PRIOR TO ANY CONSTRUCTION. THE CONTRACTOR SHALL REPAIR ANY DAMAGED PROPERTY WITHIN THEIR CONSTRUCTION AREA THAT DIFFERS OR IS NOT SHOWN ON THE PRE-CONSTRUCTION VIDEO.
  2. TRENCH DEWATERING DIRECTLY INTO A STREAM IS PROHIBITED. ALL DEWATERING MUST BE FILTERED THROUGH METHODS DEFINED IN THE MANUAL FOR SEDIMENT AND EROSION CONTROL IN GEORGIA, LATEST EDITION.
  3. CONTRACTOR IS RESPONSIBLE FOR THE HORIZONTAL/VERTICAL LOCATING OF EXISTING UTILITIES (INCLUDING ANY UTILITIES NOT SHOWN ON PLANS) AND MAINTAINING UTILITY SERVICES AND SHALL REPAIR AND/OR REPLACE ANY DAMAGED SERVICES AS SOON AS POSSIBLE.
  4. STORM WATER MANAGEMENT FOR THIS PROJECT IS PROVIDED ON-SITE. STORM WATER MANAGEMENT FOR THIS PROJECT CONSISTS OF TEMPORARY EROSION AND SEDIMENT CONTROLS TO BE INSTALLED DURING THE PROPOSED WORK. AT THE COMPLETION OF THE PROJECT THE TEMPORARY MEASURE SHALL BE REMOVED.
  5. THERE SHALL BE NO INCREASE IN FLOWS OR COMPENSATION IN OTHER DRAINAGE AREAS, WHICH RESULT IN AN INCREASED PEAK DISCHARGE ONTO ADJACENT PROPERTY.
  6. THE CONTRACTOR IS RESPONSIBLE FOR ALL SITE SAFETY AS WELL AS THE WAYS, MEANS AND METHODS OF CONSTRUCTION.
  7. WHERE CONCRETE IS USED FOR BLOCKING, SUPPORTING, BACKFILLING, OR ANY APPLICATION WHERE IT MAY CONTACT PROPOSED OR EXISTING FITTINGS OR VALVES, THE FITTING OR VALVE SHALL BE WRAPPED IN POLYETHYLENE TO PREVENT BONDING.
  8. ALL VALVES SHALL BE PROVIDED WITH VALVE BOX AND SHALL BE MARKED BY CONCRETE VALVE MARKERS.
  9. CONTRACTOR SHALL PROVIDE PROPER RESTRAINT NECESSARY FOR PRESSURE TESTING.
  10. WATER AND SEWER FEES NEED TO BE PAID BY THE CONTRACTOR UNDER THE FOLLOWING CIRCUMSTANCES: NEW CONSTRUCTION, REDEVELOPMENT, ADDITIONS, CHANGE OF USE, ETC. CONTRACTOR TO DETERMINE COST PRIOR TO BID AND INCLUDE INCIDENTAL TO THE WORK. THESE FEES ARE PAID AT 330 W. PONCE DE LEON AVENUE, 2ND FLOOR. FAILURE TO SETTLE THESE FEES SHALL RESULT IN DELAYS FOR OBTAINING WATER AND SEWER APPROVAL. CALL (404) 371-4918 FOR FEE CALCULATIONS OR ANY QUESTIONS.
  11. FIELD CHANGES DURING CONSTRUCTION MUST BE SUBMITTED FOR REVIEW AND APPROVAL BY THE DWM ENGINEER / PROJECT MANAGER BEFORE CHANGES ARE IMPLEMENTED.
  12. ALL ITEMS WHICH MUST BE REMOVED DURING CONSTRUCTION AND ARE NOT SPECIFICALLY SHOWN TO BE PAID FOR OTHERWISE, SHALL BE REMOVED AND PAID FOR IN THE UNIT PRICE BID FOR WATER MAIN. NO CLAIMS WILL BE CONSIDERED FOR EXTRA COMPENSATION.
  13. CONTRACTOR TO SEQUENCE WATER MAIN INSTALLATION SO AS NOT TO DAMAGE EXISTING UTILITIES AND/OR DISRUPT EXISTING SERVICE.
  14. THE CONTRACTOR IS TO MAINTAIN COMPLETE RECORDS AS LINE-WORK PROGRESSES AND SUBMIT WITH MONTHLY PAY APPLICATION.
  15. USE BEDDING AS RECOMMENDED PER STANDARD. BEDDING SHALL NOT BE MEASURED SEPARATELY FOR PAYMENT. COST SHALL BE INCLUDED IN THE UNIT PRICE BID FOR WATER MAINS. NO CLAIM WILL BE CONSIDERED FOR EXTRA COMPENSATION.
  16. THE CONTRACTOR IS REQUIRED TO NOTIFY, IN ADVANCE IN WRITING, ALL RESIDENTS IN THE AREA AFFECTED BY THE WORK TO BE PERFORMED. THE NOTICE SHALL SHOW THE STARTING AND FINISHING DATES.
  17. PLUG OF EXISTING WATER MAINS SHALL NOT BE MEASURED SEPARATELY FOR PAYMENT. COST SHALL BE INCLUDED IN OTHER WORK. NO CLAIMS WILL BE CONSIDERED FOR EXTRA COMPENSATION.
  18. ALL PROPOSED PIPE AND FITTINGS SHALL HAVE RESTRAINED JOINTS. THRUST BLOCKS ARE REQUIRED AT CONNECTIONS TO EXISTING WATER MAINS AS SHOWN OR WHERE UNBALANCED FORCES ARE PRESENT.
  19. ALL MANHOLES LOCATED WITHIN ROADWAYS SHALL BE INSTALLED WITH CONCRETE COLLARS AND TRAFFIC RATED MANHOLE FRAMES AND COVERS PER GDOT STANDARDS.
- TRAFFIC CONTROL NOTES
1. ALL CONSTRUCTION IS TO BE PERFORMED WITHIN THE CURRENT APPLICABLE GEORGIA DEPARTMENT OF TRANSPORTATION STANDARDS. THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES - PART 6 - TEMPORARY TRAFFIC CONTROL AND GDOT PLAN SPECIFICATIONS.
  2. ALL TRAFFIC CONTROL DEVICES SHALL AS APPROVED BY DEKALB COUNTY. ADDITIONAL DEVICES MAY BE REQUIRED AS DIRECTED BY DEKALB COUNTY WITHIN THE DEPARTMENT OF WATERSHED MANAGEMENT.
  3. TRAFFIC CONTROL PLAN, SIGNAGE PLAN, DETOUR PLAN, ALL RELATED DRAINAGE, DETAILS AND OTHER REQUIREMENTS SHALL BE PROVIDED BY THE CONTRACTOR. CONTRACTOR IS RESPONSIBLE FOR OBTAINING APPROVAL OF ALL TRAFFIC MANAGEMENT PLANS FROM APPLICABLE AGENCIES PRIOR TO CONSTRUCTION.
  4. ACCESS SHALL BE MAINTAINED AT ALL TIMES TO SIDE STREETS AND DRIVEWAYS.
  5. THE CONTRACTOR SHALL MAINTAIN ADEQUATE POSITIVE DRAINAGE AT ALL TIMES.
  6. WHEN THE CONSTRUCTION AREA HAS INTERSECTIONS, WORK WILL BE PERFORMED IN SUCH A MANNER TO PERMIT TRAFFIC TO OPERATE WITH THE LEAST AMOUNT OF INCONVENIENCE AS POSSIBLE. ADDITIONAL CHANNELIZATION AND SIGNING SHALL BE INSTALLED, AS REQUIRED, TO ALLOW TRAFFIC TO REMAIN AS OPERATIONAL AS POSSIBLE. WHEN ENTRANCE RAMPS/INTERSECTIONS ARE INOPERABLE, FLAGGERS WILL BE UTILIZED TO CONTROL AND PROHIBIT MOVEMENT INTO THE PROJECT AT THAT POINT UNTIL CONSTRUCTION HAS CLEARED THE RESTRICTION SUFFICIENT TO RETURN TO OPERATIONAL STATUS.
  7. WORK SPACE SHALL BE LIMITED TO THE SHORTEST DISTANCE PRACTICAL FOR THE DAY'S CONSTRUCTION ACTIVITY. WORK AREA NOT TO EXCEED 400' UNLESS APPROVED BY DEKALB COUNTY.
  8. CONTRACTOR TO PROVIDE A MINIMUM OF TWO ELECTRONIC CHANGEABLE MESSAGE SIGNS THROUGHOUT THE PROJECT.
  9. CONTRACTOR SHALL PROVIDE NIGHT WATCHMAN IF SIGNALS ARE PROVIDED AND PROVIDE FLAG CONTROL, IF NECESSARY.
  10. CONTRACTOR TO COORDINATE WITH DEKALB COUNTY BOARD OF EDUCATION AND EMERGENCY RESPONSE.
  11. WHERE FLAGGERS ARE PROVIDED, CONTRACTOR SHALL MAINTAIN A MINIMUM OF TWO CERTIFIED FLAGGERS AT ALL TIMES.
  12. ON NO OCCASION SHALL TRAFFIC BE DETOURED ONTO RESIDENTIAL SUBDIVISION STREETS.
  13. TRENCHES SHALL NOT BE LEFT OPEN OVERNIGHT.
  14. ROADWAY PAVEMENT SPECIFICATIONS AND CURB AND GUTTER DETAIL MUST MEET DEKALB COUNTY STANDARDS.
  15. CONTRACTOR IS TO PROVIDE DEKALB COUNTY ENCROACHMENT PERMIT FOR ALL WORK WITHIN THE RIGHT-OF-WAY. ANY TRAFFIC SIGNAL OR UTILITY RELOCATIONS WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.
  16. ALL UTILITY LOCATES AND RELOCATIONS AND/OR DAMAGE WILL BE THE RESPONSIBILITY OF THE CONTRACTOR. CONTRACTOR MUST CONTACT DEKALB COUNTY LOCATE PERSONNEL DIRECTLY FOR THE TRAFFIC SIGNAL LOCATES.
  17. CONTRACTOR TO MAINTAIN SIDEWALK CONTINUITY THROUGHOUT THE CONSTRUCTION ZONE. SIGNAGE TO BE PROVIDED THROUGH MUTCD PART VI.
  18. CONTRACTOR IS RESPONSIBLE FOR REPLACEMENT OF ALL DAMAGED TRAFFIC SIGNAL LOOPS.
  19. CONTRACTOR IS RESPONSIBLE FOR REPLACEMENT OF CURB AND GUTTER THAT IS DAMAGED DURING CONSTRUCTION.
  20. ALL STRIPING MUST BE REPLACED WITH THERMOPLASTIC PAINT.

ADDITIONAL NOTES

1. THE CONTRACTOR SHALL SUBMIT, FOR THE OWNER AND ENGINEERS REVIEW, A SEQUENCING PLAN SHOWING THE PROPOSED SEQUENCE OF WORK TO BE COMPLETED.
2. THE CONTRACTOR SHALL CONNECT ALL EXISTING SERVICE LINES ON THE 30" WATER MAIN TO THE EXISTING DISTRIBUTION MAIN PRIOR TO TAKING THE 30" WATER MAIN OFFLINE FOR REPLACEMENT.

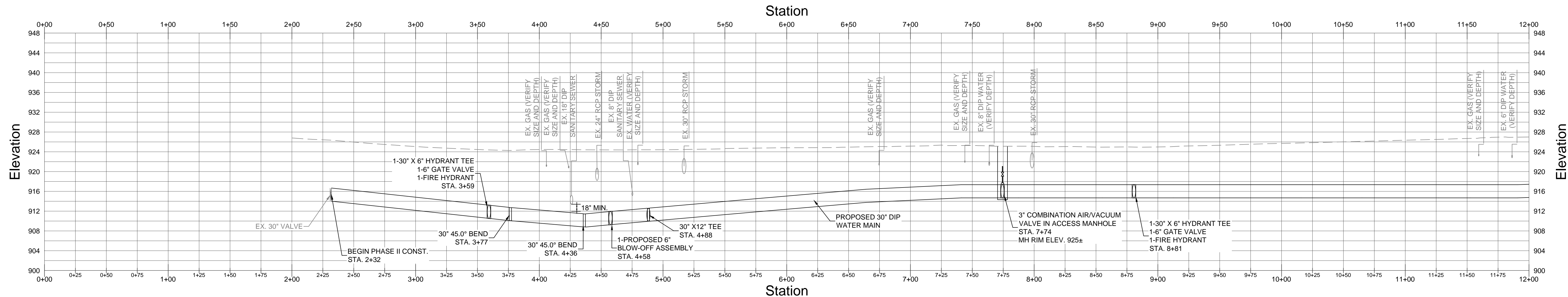
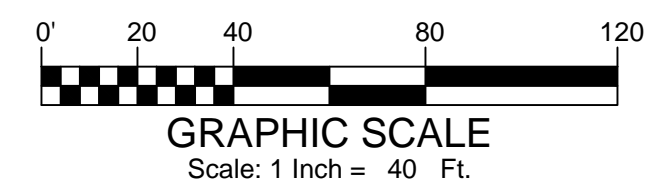
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		<b>ATKINS NORTH AMERICA INC.</b> CERTIFICATE OF AUTHORIZATION # PEF000902 EXPIRATION DATE: 06/30/2022	 1600 Riveredge Parkway, Suite 700 Atlanta, Ga 30328 P: 770-933-0280		REVISION DATES	DEKALB COUNTY DWM SCOTT BOULEVARD PHASE II WATER MAIN REPLACEMENT PROJECT  <b>GENERAL NOTES</b>																
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**PLAN STATION 0+00 TO STATION 12+00**  
SCALE: 1"=40'

- KEY NOTES**
- ① RECONNECT LONG SIDE SERVICE
  - ② RECONNECT SHORT SIDE SERVICE
  - ③ PLUG EXISTING WATER MAIN



**PROFILE STATION 0+00 TO STATION 12+00**  
SCALE: 1"=40' HORZ  
1"=10' VERT

- NOTES:**
1. ALL DUCTILE IRON PIPING AND FITTINGS SHALL BE RESTRAINED JOINTS.
  2. ALL STORM CROSSINGS SHALL BE INSTALLED WITH CLASS A BEDDING WITH FLOWABLE FILL, EXTENDING 5' BEYOND EACH SIDE OF CROSSING, SEE DETAIL 4, SHEET SD-03.
  3. PIPE SHALL HAVE DOUBLE RESTRAINT AT ALL FITTINGS AND VALVES. RESTRAINT SHALL BE EBAA IRON 1100TDM OR APPROVED EQUAL.
  4. WHERE THE EXISTING AND PROPOSED WATER MAIN ARE IN CONFLICT, REMOVE EXISTING PIPE AND REPLACE WITH PROPOSED 30" WATER MAIN.
  5. ALL PAVEMENT SHALL BE REPAIRED PER DETAIL 7, SHEET SD-02.
  6. VARIANCES FROM THE 1' TYPICAL VERTICAL SEPARATION OF THE PROPOSED WATER MAINS AS SHOWN IN DETAIL 6, SHEET SD-04 ARE ACCEPTABLE AT UTILITY CROSSINGS WITH MINIMUM CLEARANCE REQUIREMENTS.
  7. ALL PROPOSED BRANCH LINES ARE TO BE BONDED, SEE DETAIL 2, SHEET SP-02.
  8. AREAS WITHIN THIS LIMITS OF THIS SHEET ARE LOCATED WITHIN THE 100 YEAR FLOODPLAIN PER FEMA FIRM PANEL 13089C0067K. NO IMPACTS TO THE FLOODPLAIN ARE EXPECTED.

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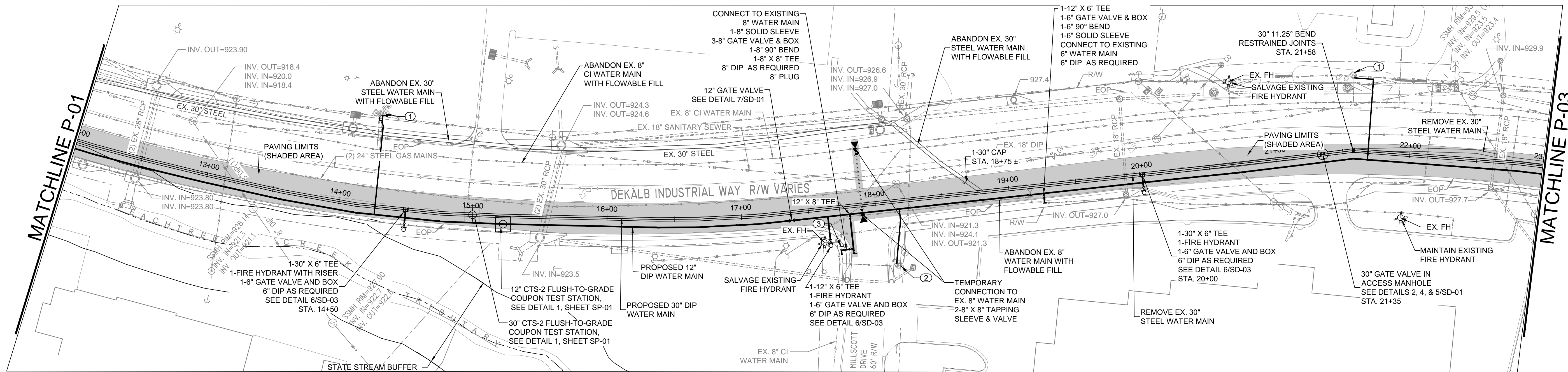


REVISION DATES		
REV	DATE	BY
1	1/29/21	MW & PS
2	4/26/21	MW & PS

DEKALB COUNTY DWM  
SCOTT BOULEVARD PHASE II WATER MAIN REPLACEMENT PROJECT

**PLAN & PROFILE**

DRAWING No.  
**P-01**

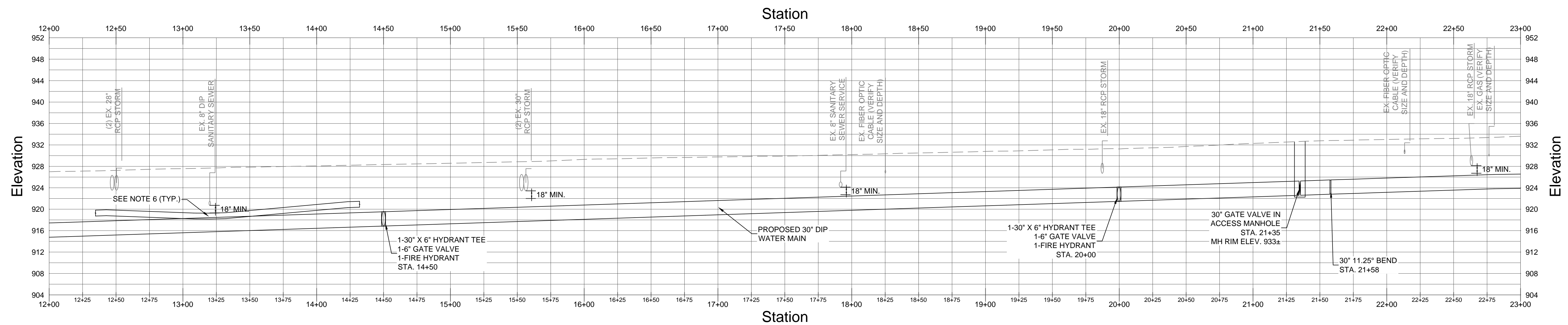
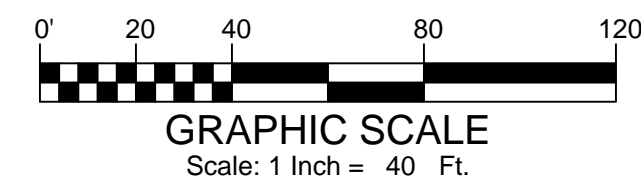


**PLAN STATION 12+00 TO STATION 23+00**

SCALE: 1"=40'

**KEY NOTES**

- ① RECONNECT LONG SIDE SERVICE
- ② RECONNECT SHORT SIDE SERVICE
- ③ PLUG EXISTING WATER MAIN



**PROFILE STATION 12+00 TO STATION 23+00**

SCALE: 1"=40' HORZ  
1"=10' VERT

**NOTES:**

1. ALL DUCTILE IRON PIPING AND FITTINGS SHALL BE RESTRAINED JOINTS.
2. ALL STORM CROSSINGS SHALL BE INSTALLED WITH CLASS A BEDDING WITH FLOWABLE FILL, EXTENDING 5' BEYOND EACH SIDE OF CROSSING, SEE DETAIL 4, SHEET SD-03.
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4. WHERE THE EXISTING AND PROPOSED WATER MAIN ARE IN CONFLICT, REMOVE EXISTING PIPE AND REPLACE WITH PROPOSED 30" WATER MAIN.
5. ALL PAVEMENT SHALL BE REPAIRED PER DETAIL 7, SHEET SD-02.
6. VARIANCES FROM THE 1' TYPICAL VERTICAL SEPARATION OF THE PROPOSED WATER MAINS AS SHOWN IN DETAIL 6, SHEET SD-04 ARE ACCEPTABLE AT UTILITY CROSSINGS WITH MINIMUM CLEARANCE REQUIREMENTS.
7. ALL PROPOSED BRANCH LINES ARE TO BE BONDED, SEE DETAIL 2, SHEET SP-02.
8. AREAS WITHIN THIS LIMITS OF THIS SHEET ARE LOCATED WITHIN THE 100 YEAR FLOODPLAIN PER FEMA FIRM PANEL 13089C0067K. NO IMPACTS TO THE FLOODPLAIN ARE EXPECTED.

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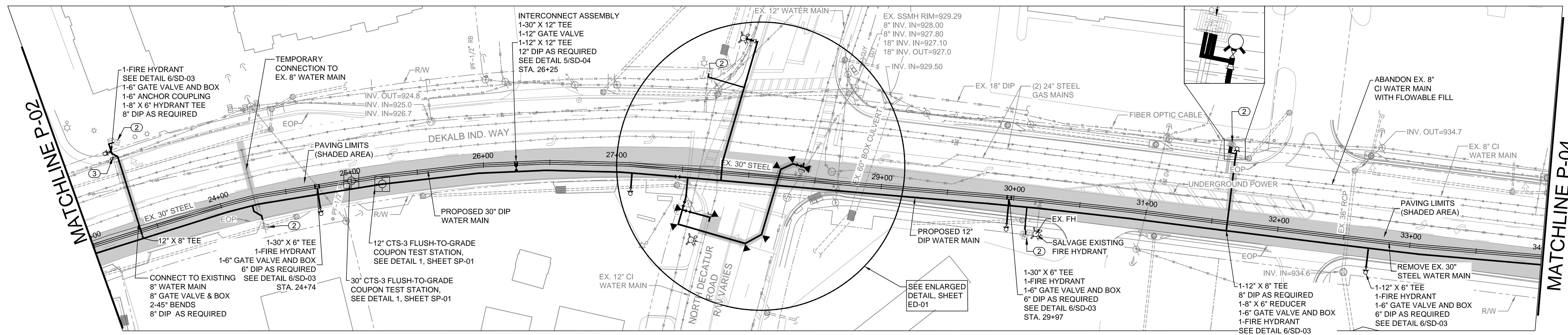


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1	1/29/21	MW & PS
2	4/26/21	MW & PS

DEKALB COUNTY DWM  
SCOTT BOULEVARD PHASE II WATER MAIN REPLACEMENT PROJECT

**PLAN & PROFILE**

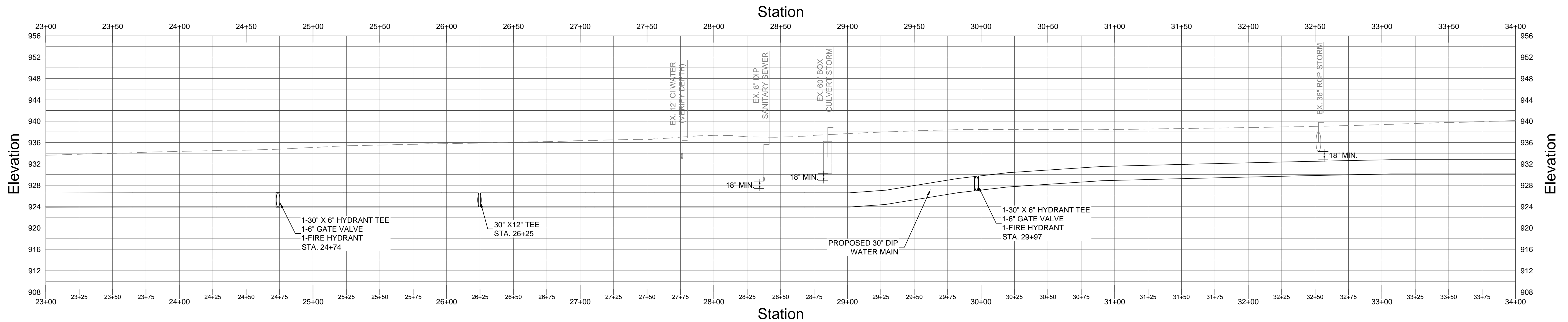
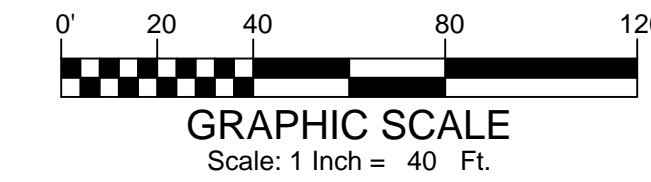
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**P-02**



**PLAN STATION 23+00 TO STATION 34+00**  
SCALE: 1"=40'

**KEY NOTES**

- ① RECONNECT LONG SIDE SERVICE
- ② RECONNECT SHORT SIDE SERVICE
- ③ PLUG EXISTING WATER MAIN



**PROFILE STATION 23+00 TO STATION 34+00**  
SCALE: 1"=40' HORZ  
1"=10' VERT

**NOTES:**

1. ALL DUCTILE IRON PIPING AND FITTINGS SHALL BE RESTRAINED JOINTS.
2. ALL STORM CROSSINGS SHALL BE INSTALLED WITH CLASS A BEDDING WITH FLOWABLE FILL, EXTENDING 5' BEYOND EACH SIDE OF CROSSING, SEE DETAIL 4, SHEET SD-03.
3. PIPE SHALL HAVE DOUBLE RESTRAINT AT ALL FITTINGS AND VALVES. RESTRAINT SHALL BE EBAA IRON 1100TDM OR APPROVED EQUAL.
4. WHERE THE EXISTING AND PROPOSED WATER MAIN ARE IN CONFLICT, REMOVE EXISTING PIPE AND REPLACE WITH PROPOSED 30" WATER MAIN.
5. ALL PAVEMENT SHALL BE REPAIRED PER DETAIL 7, SHEET SD-02.
6. VARIANCES FROM THE 1' TYPICAL VERTICAL SEPARATION OF THE PROPOSED WATER MAINS AS SHOWN IN DETAIL 6, SHEET SD-04 ARE ACCEPTABLE AT UTILITY CROSSINGS WITH MINIMUM CLEARANCE REQUIREMENTS.
7. ALL PROPOSED BRANCH LINES ARE TO BE BONDED, SEE DETAIL 2, SHEET SP-02.
8. AREAS WITHIN THIS LIMITS OF PANEL ARE LOCATED WITHIN THE 100 YEAR FLOODPLAIN PER FEMA FIRM PANEL 13089C0067K. NO IMPACTS TO THE FLOODPLAIN ARE EXPECTED.

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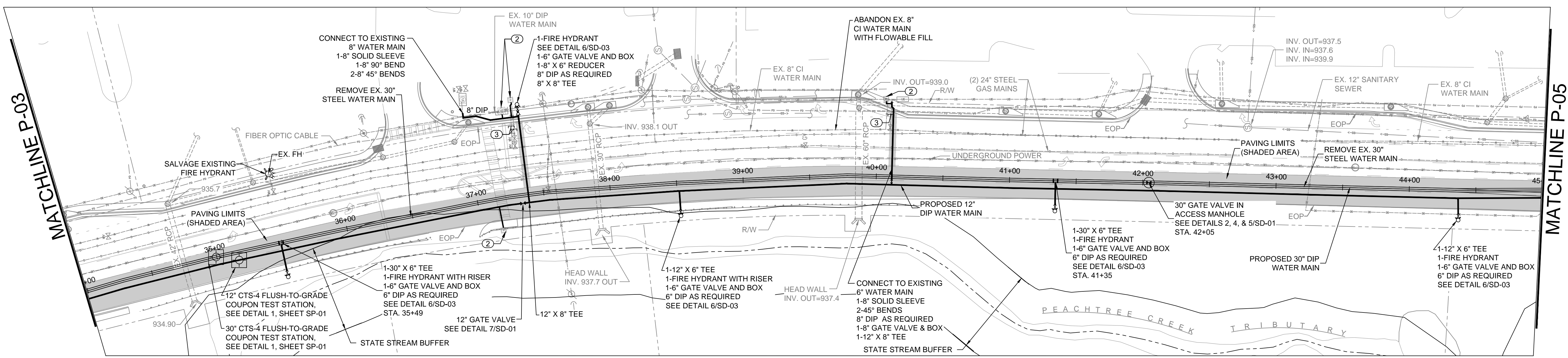


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1	1/29/21	MW & PS
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DEKALB COUNTY DWM  
SCOTT BOULEVARD PHASE II WATER MAIN REPLACEMENT PROJECT

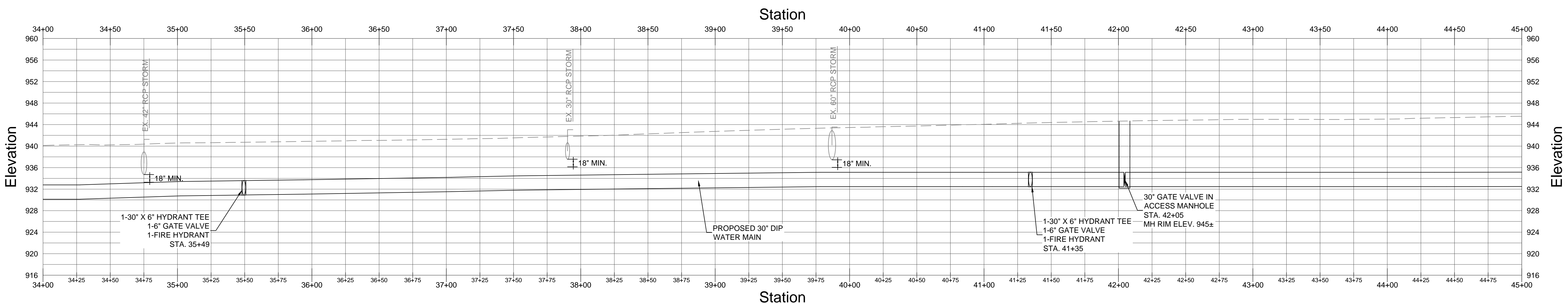
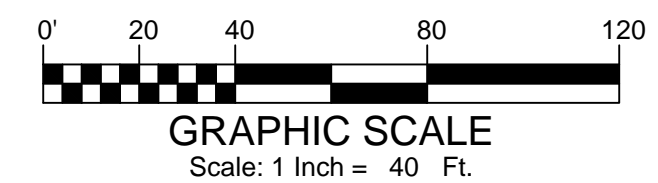
**PLAN & PROFILE**

DRAWING No.  
**P-03**



**PLAN STATION 34+00 TO STATION 45+00**  
SCALE: 1"=40'

- KEY NOTES**
- ① RECONNECT LONG SIDE SERVICE
  - ② RECONNECT SHORT SIDE SERVICE
  - ③ PLUG EXISTING WATER MAIN



**PROFILE STATION 34+00 TO STATION 45+00**  
SCALE: 1"=40' HORZ  
1"=10' VERT

- NOTES:**
1. ALL DUCTILE IRON PIPING AND FITTINGS SHALL BE RESTRAINED JOINTS.
  2. ALL STORM CROSSINGS SHALL BE INSTALLED WITH CLASS A BEDDING WITH FLOWABLE FILL, EXTENDING 5' BEYOND EACH SIDE OF CROSSING, SEE DETAIL 4, SHEET SD-03.
  3. PIPE SHALL HAVE DOUBLE RESTRAINT AT ALL FITTINGS AND VALVES. RESTRAINT SHALL BE EBAA IRON 1100TDM OR APPROVED EQUAL.
  4. WHERE THE EXISTING AND PROPOSED WATER MAIN ARE IN CONFLICT, REMOVE EXISTING PIPE AND REPLACE WITH PROPOSED 30" WATER MAIN.
  5. ALL PAVEMENT SHALL BE REPAIRED PER DETAIL 7, SHEET SD-02.
  6. VARIANCES FROM THE 1' TYPICAL VERTICAL SEPARATION OF THE PROPOSED WATER MAINS AS SHOWN IN DETAIL 6, SHEET SD-04 ARE ACCEPTABLE AT UTILITY CROSSINGS WITH MINIMUM CLEARANCE REQUIREMENTS.
  7. ALL PROPOSED BRANCH LINES ARE TO BE BONDED, SEE DETAIL 2, SHEET SP-02.
  8. AREAS WITHIN THIS LIMITS OF THIS SHEET ARE LOCATED WITHIN THE 100 YEAR FLOODPLAIN PER FEMA FIRM PANEL 13089C0067K. NO IMPACTS TO THE FLOODPLAIN ARE EXPECTED.

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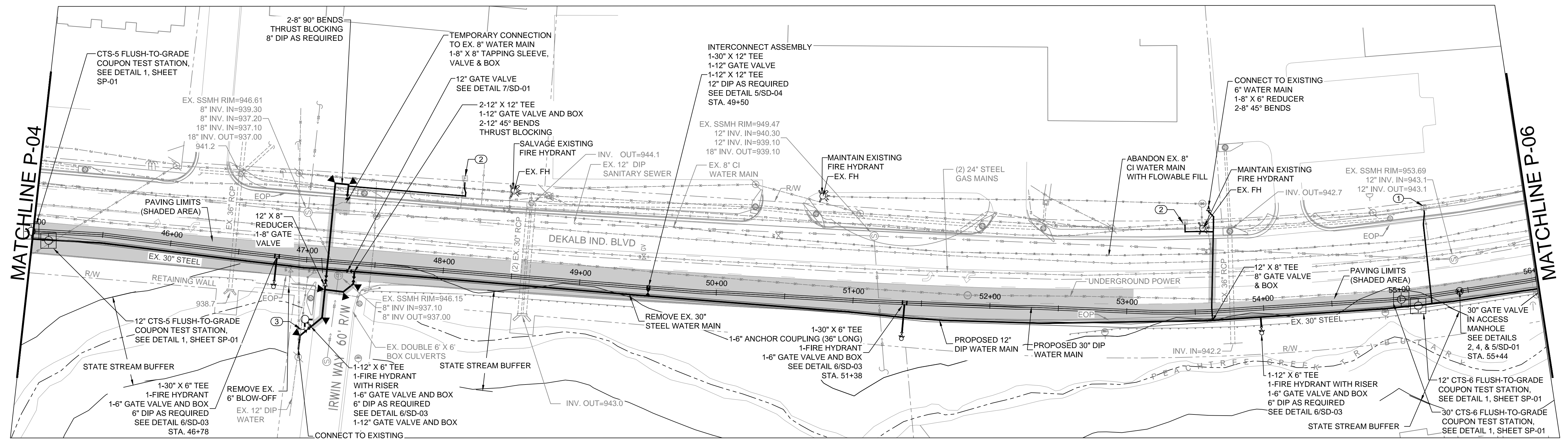


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DEKALB COUNTY DWM  
SCOTT BOULEVARD PHASE II WATER MAIN REPLACEMENT PROJECT

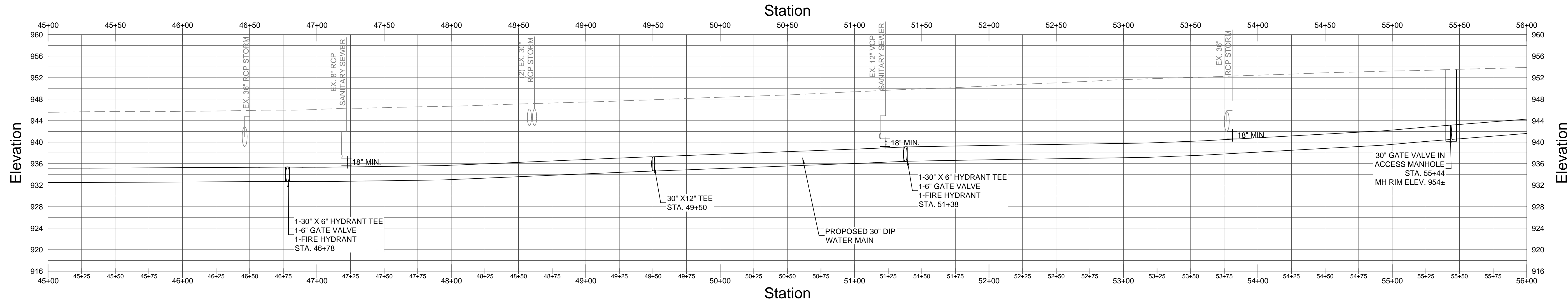
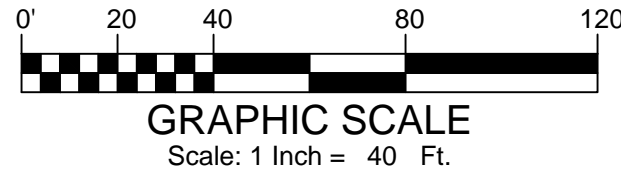
**PLAN & PROFILE**

DRAWING No.  
**P-04**



**PLAN STATION 45+00 TO STATION 56+00**  
SCALE: 1"=40'

- KEY NOTES**
- ① RECONNECT LONG SIDE SERVICE
  - ② RECONNECT SHORT SIDE SERVICE
  - ③ PLUG EXISTING WATER MAIN



**PROFILE STATION 45+00 TO STATION 56+00**  
SCALE: 1"=40' HORIZ  
1"=10' VERT

- NOTES:**
1. ALL DUCTILE IRON PIPING AND FITTINGS SHALL BE RESTRAINED JOINTS.
  2. ALL STORM CROSSINGS SHALL BE INSTALLED WITH CLASS A BEDDING WITH FLOWABLE FILL, EXTENDING 5' BEYOND EACH SIDE OF CROSSING, SEE DETAIL 4, SHEET SD-03.
  3. PIPE SHALL HAVE DOUBLE RESTRAINT AT ALL FITTINGS AND VALVES. RESTRAINT SHALL BE EBAA IRON 1100TDM OR APPROVED EQUAL.
  4. WHERE THE EXISTING AND PROPOSED WATER MAIN ARE IN CONFLICT, REMOVE EXISTING PIPE AND REPLACE WITH PROPOSED 30" WATER MAIN.
  5. ALL PAVEMENT SHALL BE REPAIRED PER DETAIL 7, SHEET SD-02.
  6. VARIANCES FROM THE 1" TYPICAL VERTICAL SEPARATION OF THE PROPOSED WATER MAINS AS SHOWN IN DETAIL 6, SHEET SD-04 ARE ACCEPTABLE AT UTILITY CROSSINGS WITH MINIMUM CLEARANCE REQUIREMENTS.
  7. ALL PROPOSED BRANCH LINES ARE TO BE BONDED, SEE DETAIL 2, SHEET SP-02.
  8. AREAS WITHIN THIS LIMITS OF THIS SHEET ARE LOCATED WITHIN THE 100 YEAR FLOODPLAIN PER FEMA FIRM PANEL 13089C0067K. NO IMPACTS TO THE FLOODPLAIN ARE EXPECTED.

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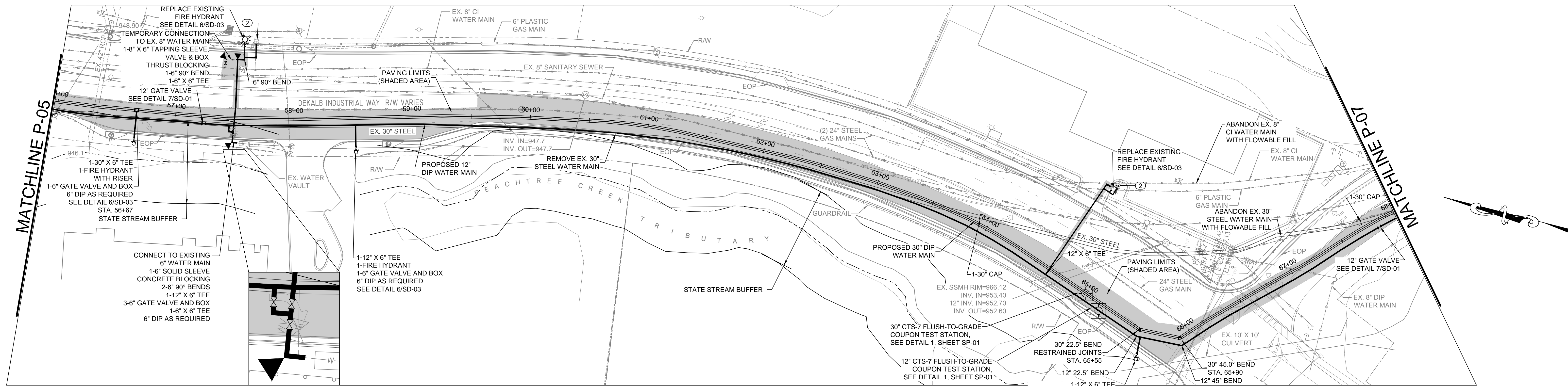
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DEKALB COUNTY DWM  
SCOTT BOULEVARD PHASE II WATER MAIN REPLACEMENT PROJECT

**PLAN & PROFILE**

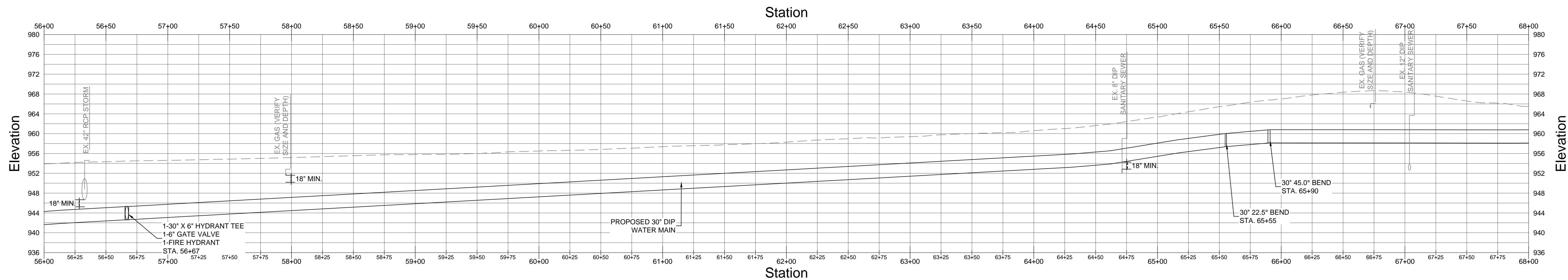
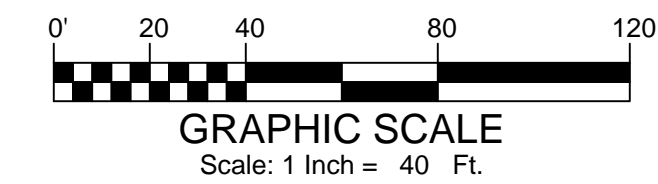
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**P-05**





**PLAN STATION 56+00 TO STATION 68+00**  
SCALE: 1"=40'

**KEY NOTES**  
 ① RECONNECT LONG SIDE SERVICE  
 ② RECONNECT SHORT SIDE SERVICE



**PROFILE STATION 56+00 TO STATION 68+00**  
SCALE: 1"=40' HORZ  
1"=10' VERT

**NOTES:**

1. ALL DUCTILE IRON PIPING AND FITTINGS SHALL BE RESTRAINED JOINTS.
2. ALL STORM CROSSINGS SHALL BE INSTALLED WITH CLASS A BEDDING WITH FLOWABLE FILL, EXTENDING 5' BEYOND EACH SIDE OF CROSSING, SEE DETAIL 4, SHEET SD-03.
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5. ALL PAVEMENT SHALL BE REPAIRED PER DETAIL 7, SHEET SD-02.
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7. ALL PROPOSED BRANCH LINES ARE TO BE BONDED, SEE DETAIL 2, SHEET SP-02.
8. AREAS WITHIN THIS LIMITS OF THIS SHEET ARE LOCATED WITHIN THE 100 YEAR FLOODPLAIN PER FEMA FIRM PANEL 13089C0067K. NO IMPACTS TO THE FLOODPLAIN ARE EXPECTED.

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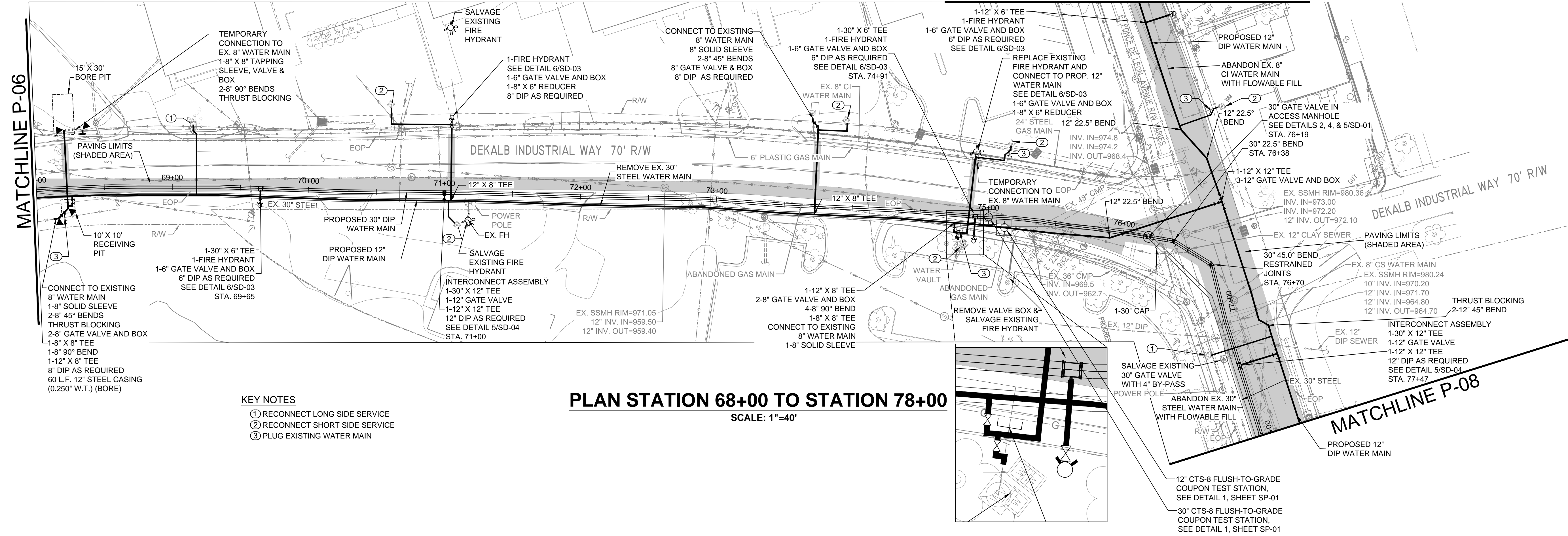
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DEKALB COUNTY DWM  
 SCOTT BOULEVARD PHASE II WATER MAIN REPLACEMENT PROJECT

**PLAN & PROFILE**

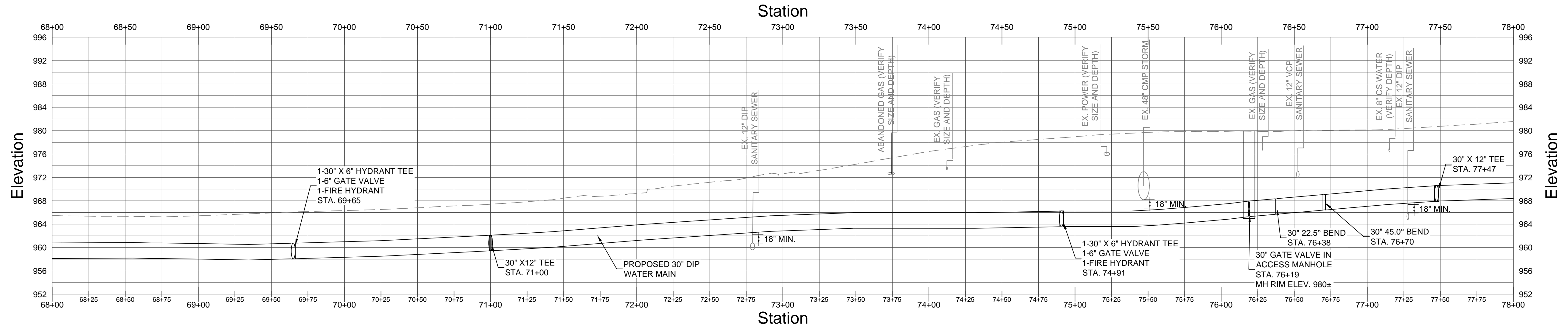
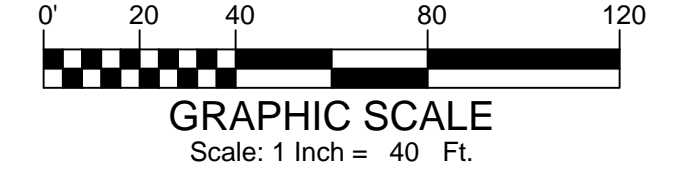
DRAWING No.  
**P-06**

MATCHLINE P-10



**PLAN STATION 68+00 TO STATION 78+00**  
SCALE: 1"=40'

- KEY NOTES**
- ① RECONNECT LONG SIDE SERVICE
  - ② RECONNECT SHORT SIDE SERVICE
  - ③ PLUG EXISTING WATER MAIN



**PROFILE STATION 68+00 TO STATION 78+00**  
SCALE: 1"=40' HORIZ  
1"=10' VERT

- NOTES:**
1. ALL DUCTILE IRON PIPING AND FITTINGS SHALL BE RESTRAINED JOINTS.
  2. ALL STORM CROSSINGS SHALL BE INSTALLED WITH CLASS A BEDDING WITH FLOWABLE FILL, EXTENDING 5' BEYOND EACH SIDE OF CROSSING, SEE DETAIL 4, SHEET SD-03.
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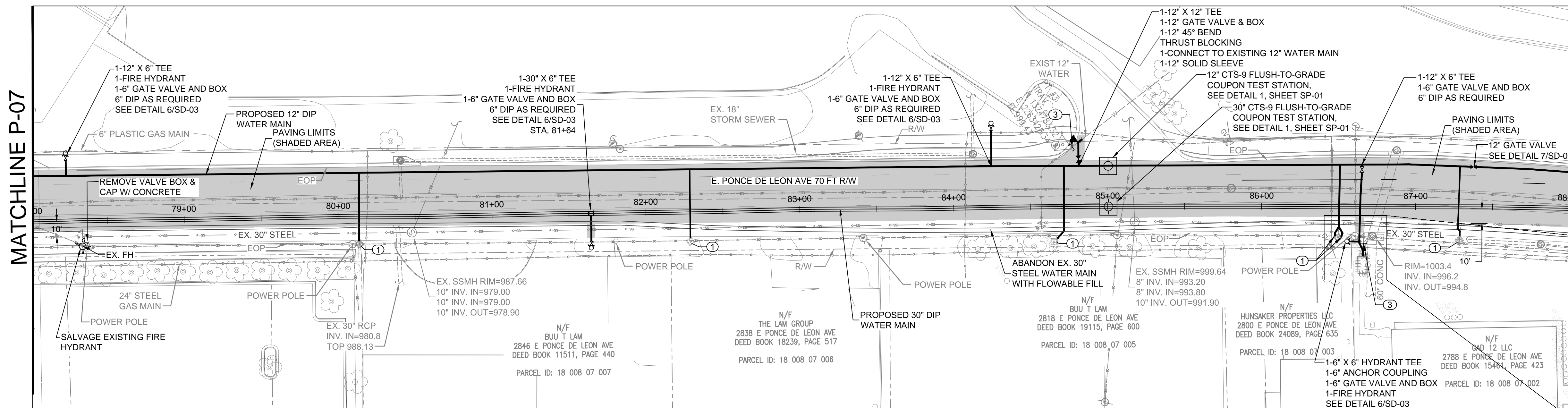


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DEKALB COUNTY DWM  
SCOTT BOULEVARD PHASE II WATER MAIN REPLACEMENT PROJECT

**PLAN & PROFILE**

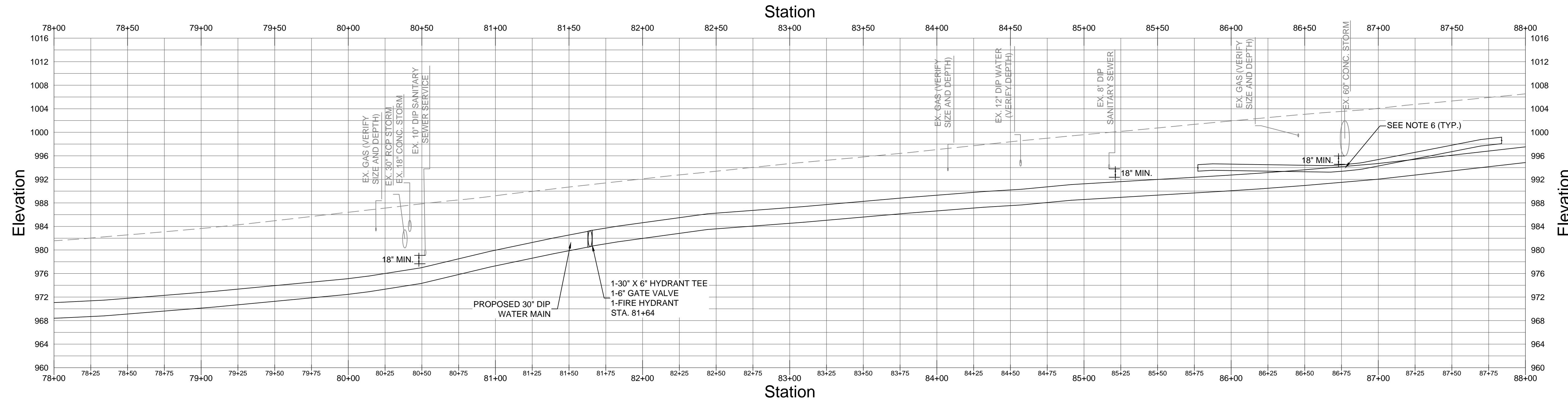
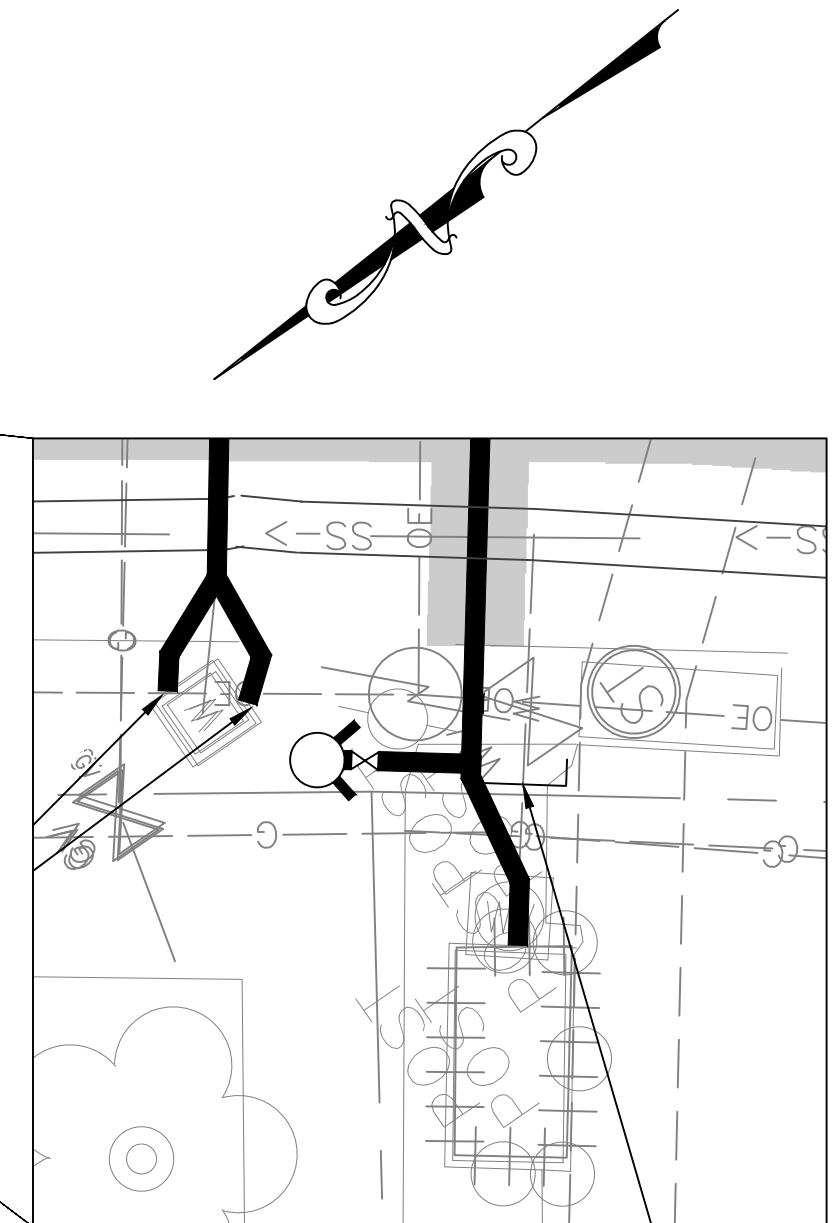
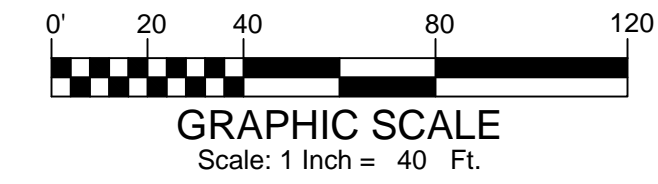
DRAWING No.  
**P-07**



**PLAN STATION 78+00 TO STATION 88+00**  
SCALE: 1"=40'

**KEY NOTES**

- ① RECONNECT LONG SIDE SERVICE
- ② RECONNECT SHORT SIDE SERVICE
- ③ PLUG EXISTING WATER MAIN



**PROFILE STATION 78+00 TO STATION 88+00**  
SCALE: 1"=40' HORZ  
1"=10' VERT

**NOTES:**

1. ALL DUCTILE IRON PIPING AND FITTINGS SHALL BE RESTRAINED JOINTS.
2. ALL STORM CROSSINGS SHALL BE INSTALLED WITH CLASS A BEDDING WITH FLOWABLE FILL, EXTENDING 5' BEYOND EACH SIDE OF CROSSING, SEE DETAIL 4, SHEET SD-03.
3. PIPE SHALL HAVE DOUBLE RESTRAINT AT ALL FITTINGS AND VALVES. RESTRAINT SHALL BE EBAA IRON 1100TDM OR APPROVED EQUAL.
4. WHERE THE EXISTING AND PROPOSED WATER MAIN ARE IN CONFLICT, REMOVE EXISTING PIPE AND REPLACE WITH PROPOSED 30" WATER MAIN.
5. ALL PAVEMENT SHALL BE REPAIRED PER DETAIL 7, SHEET SD-02.
6. VARIANCES FROM THE 1' TYPICAL VERTICAL SEPARATION OF THE PROPOSED WATER MAINS AS SHOWN IN DETAIL 6, SHEET SD-04 ARE ACCEPTABLE AT UTILITY CROSSINGS WITH MINIMUM CLEARANCE REQUIREMENTS.
7. ALL PROPOSED BRANCH LINES ARE TO BE BONDED, SEE DETAIL 2, SHEET SP-02.

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EXPIRATION DATE: 06/30/2022

**ATKINS**  
1600 Riveredge Parkway, Suite 700  
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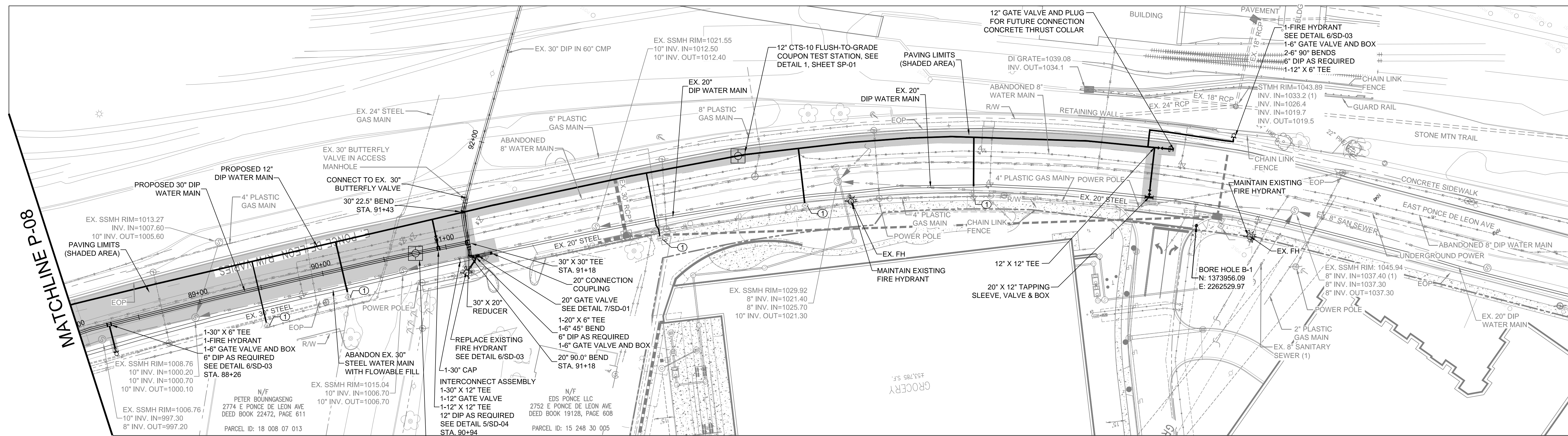


REVISION DATES		
REV	DATE	BY
1	1/29/21	MW & PS

DEKALB COUNTY DWM  
SCOTT BOULEVARD PHASE II WATER MAIN REPLACEMENT PROJECT

**PLAN & PROFILE**

DRAWING No.  
**P-08**

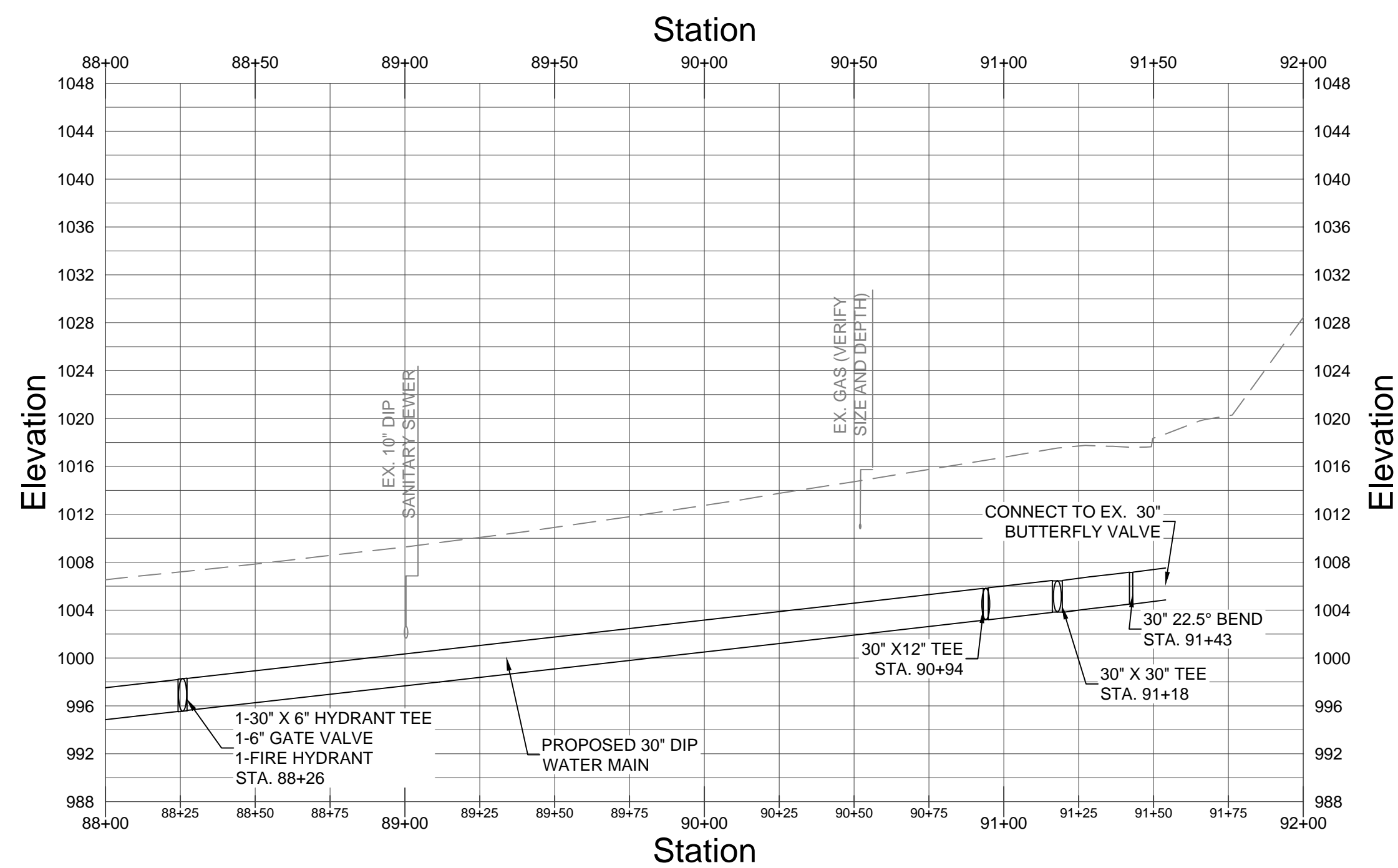
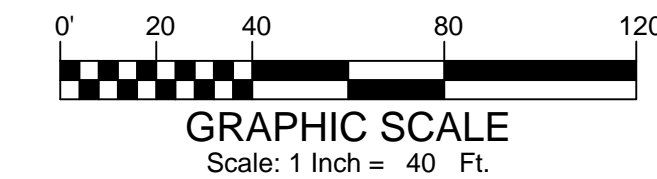


**PLAN STATION 88+00 TO STATION 92+00**

SCALE: 1"=40'

**KEY NOTES**

- ① RECONNECT LONG SIDE SERVICE
- ② RECONNECT SHORT SIDE SERVICE



**PROFILE STATION 88+00 TO STATION 92+00**

SCALE: 1"=40' HORIZ  
1"=10' VERT

**NOTES:**

1. ALL DUCTILE IRON PIPING AND FITTINGS SHALL BE RESTRAINED JOINTS.
2. ALL STORM CROSSINGS SHALL BE INSTALLED WITH CLASS A BEDDING WITH FLOWABLE FILL, EXTENDING 5' BEYOND EACH SIDE OF CROSSING, SEE DETAIL 4, SHEET SD-03.
3. PIPE SHALL HAVE DOUBLE RESTRAINT AT ALL FITTINGS AND VALVES. RESTRAINT SHALL BE EBAA IRON 1100TDM OR APPROVED EQUAL.
4. ALL PIPES REQUIRING ENCASEMENT SHALL BE ENCASED WITH SPACERS AND NON-SHRINK GROUT AT BOTH ENDS OR FILL VOID BETWEEN PIPE AND CASING WITH NON-SHRINK GROUT.
5. LIMIT JOINT DEFLECTION TO 2" PER JOINT. MAXIMUM ALLOWABLE 8" OFFSET PER 20' LENGTH OF PIPE.
6. WHERE THE EXISTING AND PROPOSED WATER MAIN ARE IN CONFLICT, REMOVE EXISTING PIPE AND REPLACE WITH PROPOSED 30" WATER MAIN.
7. ALL PAVEMENT SHALL BE REPAIRED PER DETAIL 7, SHEET SD-02.
8. VARIANCES FROM THE 1' TYPICAL VERTICAL SEPARATION OF THE PROPOSED WATER MAINS AS SHOWN IN DETAIL 6, SHEET SD-04 ARE ACCEPTABLE AT UTILITY CROSSINGS WITH MINIMUM CLEARANCE REQUIREMENTS.
9. FOR ADDITIONAL SITE INFORMATION, REFER TO GATEWAY DECATUR PROJECT PLANS.
10. ALL PROPOSED BRANCH LINES ARE TO BE BONDED, SEE DETAIL 2, SHEET SP-02.

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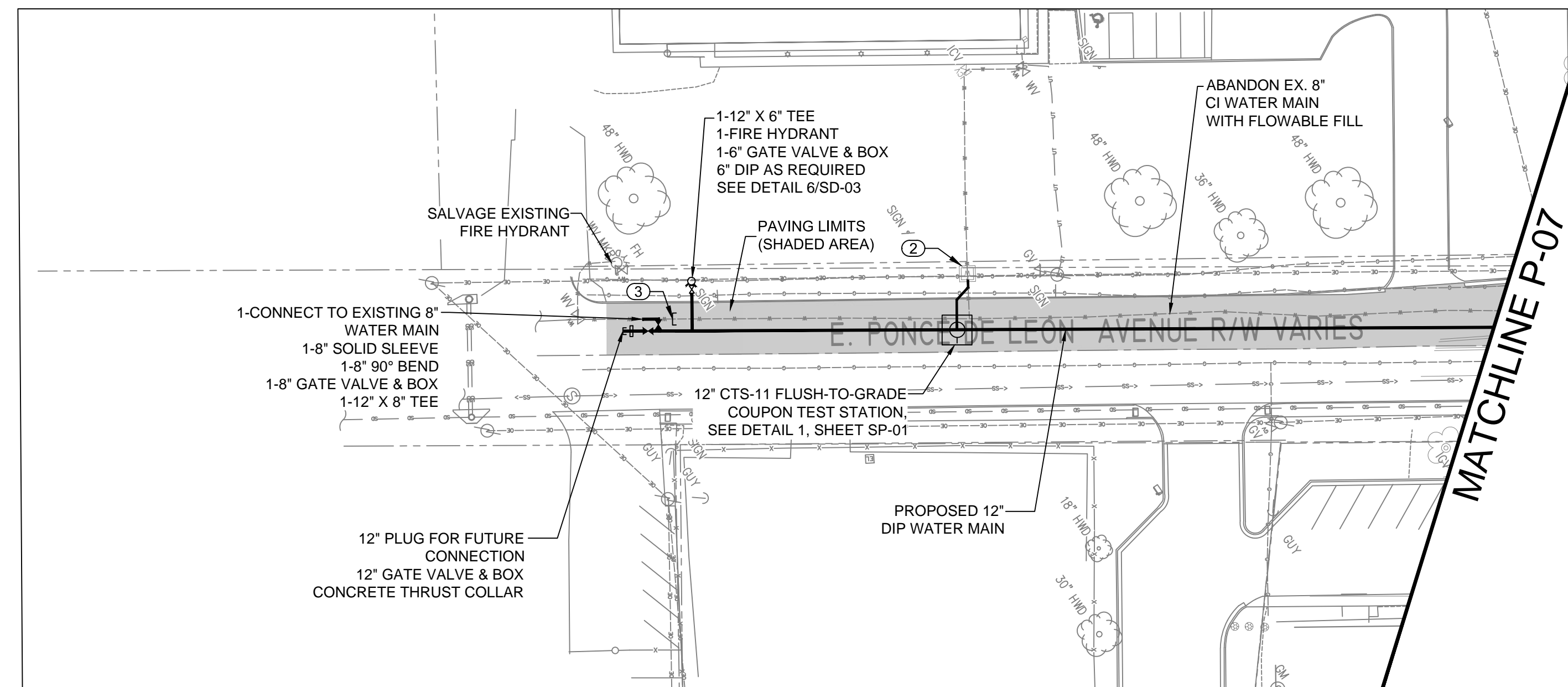


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1	1/29/21	MW & PS

DEKALB COUNTY DWM  
SCOTT BOULEVARD PHASE II WATER MAIN REPLACEMENT PROJECT

**PLAN & PROFILE**

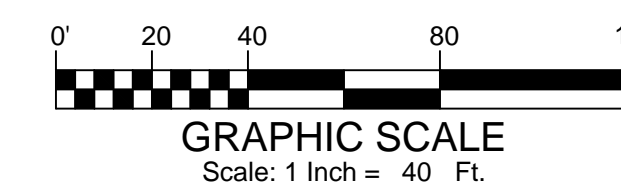
DRAWING No.  
**P-09**



**12" WATER MAIN PLAN VIEW**  
SCALE: 1"=40'

**KEY NOTES**

- ① RECONNECT LONG SIDE SERVICE
- ② RECONNECT SHORT SIDE SERVICE
- ③ PLUG EXISTING WATER MAIN



**NOTES:**

1. ALL DUCTILE IRON PIPING AND FITTINGS SHALL BE RESTRAINED JOINTS.
2. PIPE SHALL HAVE DOUBLE RESTRAINT AT ALL FITTINGS AND VALVES. RESTRAINT SHALL BE EBAA IRON 1100TDM OR APPROVED EQUAL.
3. ALL PAVEMENT SHALL BE REPAIRED PER DETAIL 7, SHEET SD-02.
4. VARIANCES FROM THE 1' TYPICAL VERTICAL SEPARATION OF THE PROPOSED WATER MAINS AS SHOWN IN DETAIL 6, SHEET SD-04 ARE ACCEPTABLE AT UTILITY CROSSINGS WITH MINIMUM CLEARANCE REQUIREMENTS.
5. ALL PROPOSED BRANCH LINES ARE TO BE BONDED, SEE DETAIL 2, SHEET SP-02.

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4/26/2021

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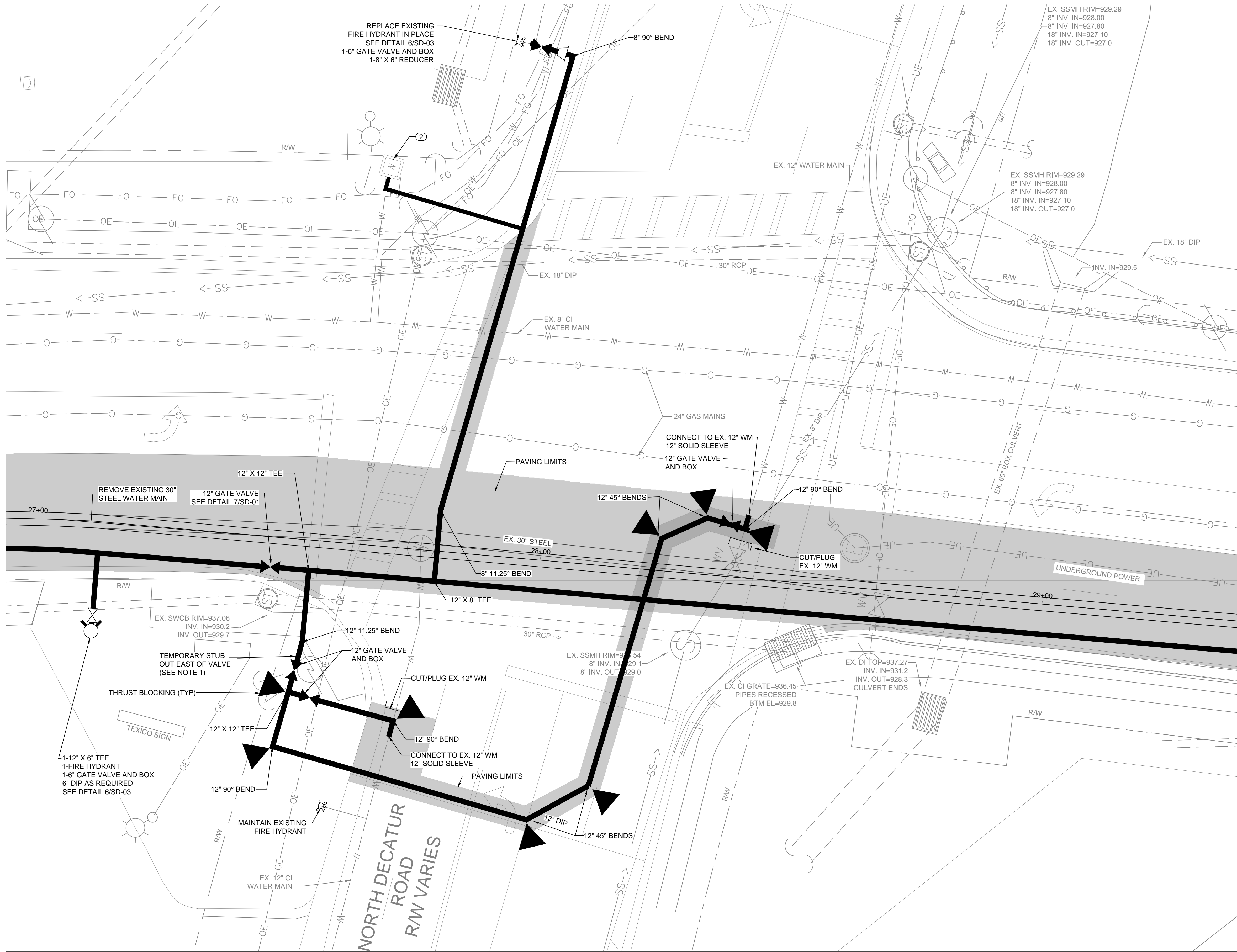


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REV	DATE	BY
1	1/29/21	MW & PS

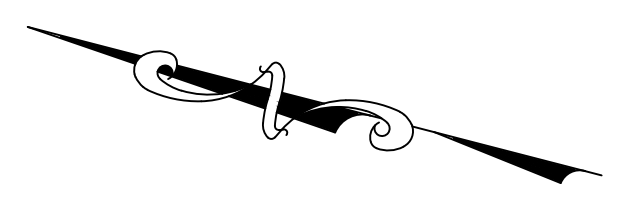
DEKALB COUNTY DWM  
SCOTT BOULEVARD PHASE II WATER MAIN REPLACEMENT PROJECT

**12" WATER MAIN PLAN VIEW**

DRAWING No.  
**P-10**

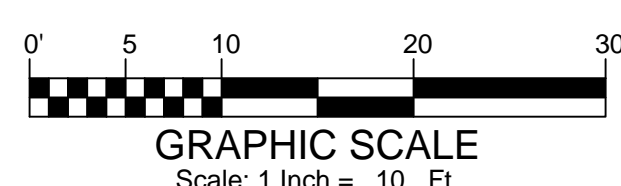


NOTES  
 1. ALL PROPOSED 12" INTERCONNECTIONS AND MODIFICATIONS TO EX. 12" MAINS SHALL BE COMPLETED PRIOR TO THE CONSTRUCTION OF THE 30" WM. TEMPORARY PLUG SHALL BE REMOVED AND CONNECTION TO 30" WM SHALL BE MADE AFTER CONSTRUCTION OF THE 30" WM IS COMPLETE.



KEY NOTES  
 ① RECONNECT LONG SIDE SERVICE  
 ② RECONNECT SHORT SIDE SERVICE  
 ③ PLUG EXISTING WATER MAIN

**ENLARGED DETAIL 1**  
 SCALE: 1" = 10'  
 ED-01



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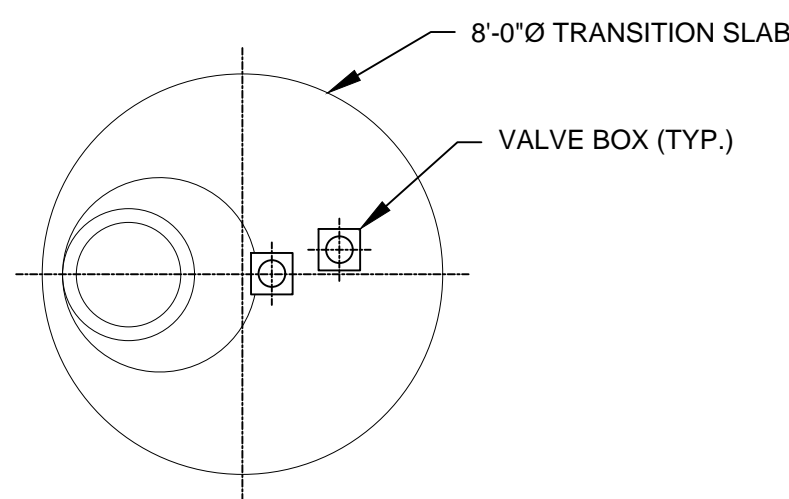


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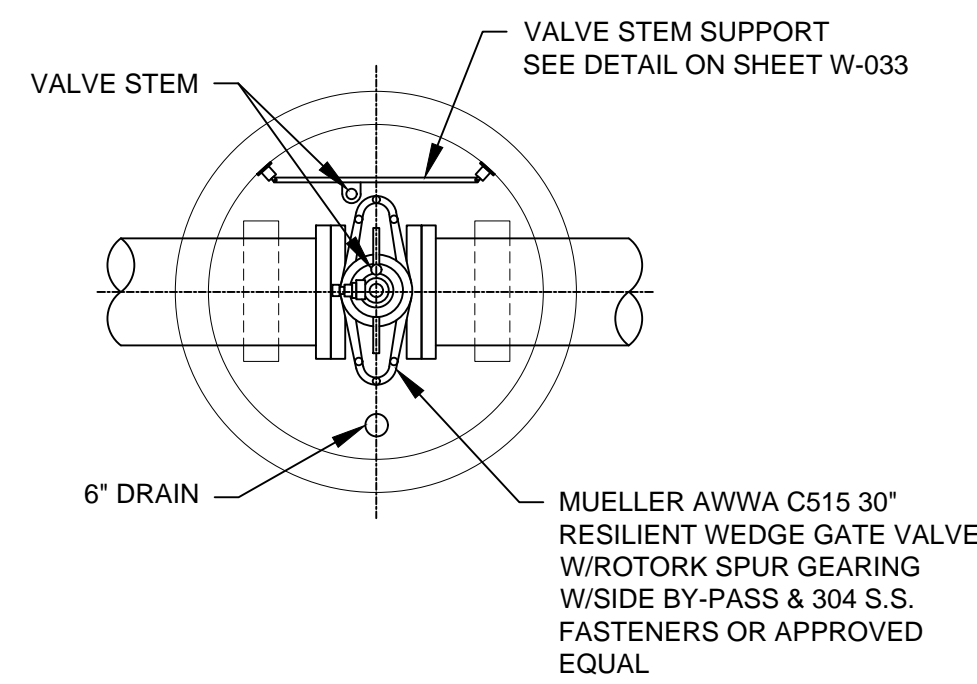
DEKALB COUNTY DWM  
 SCOTT BOULEVARD PHASE II WATER MAIN REPLACEMENT PROJECT

**ENLARGED DETAILS**

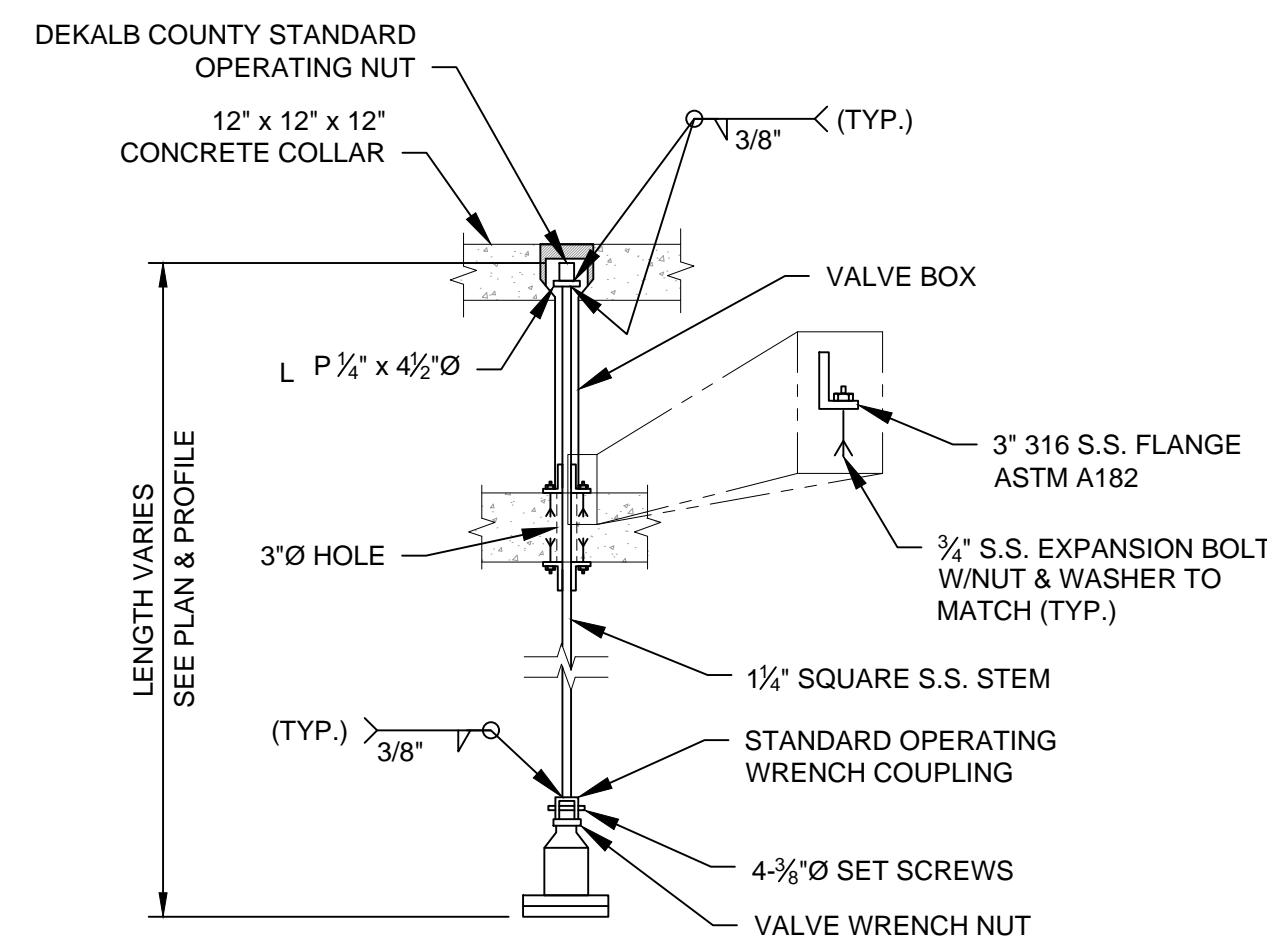
DRAWING No.  
**ED-01**



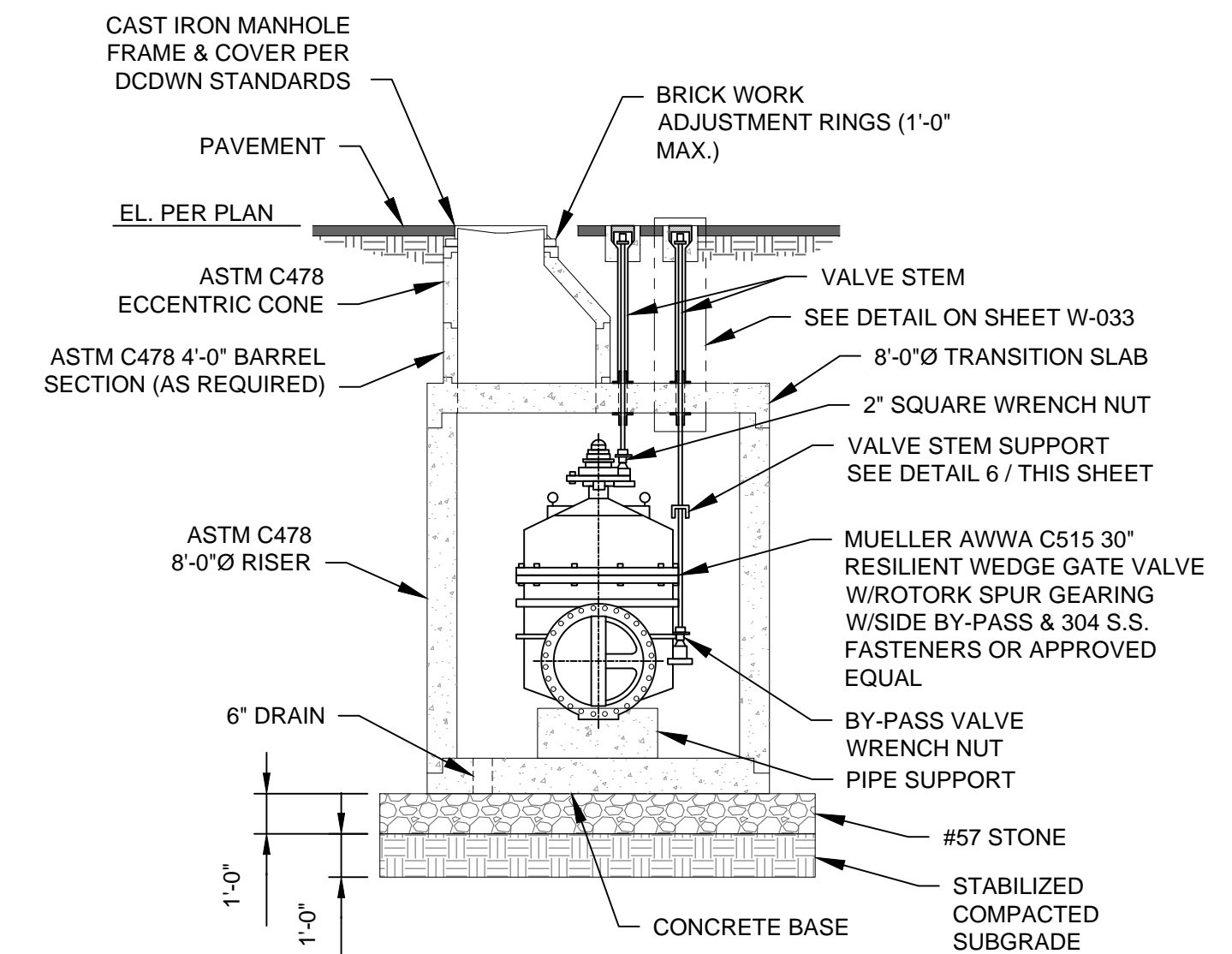
**MANHOLE LID TOP VIEW**  
NTS (1)



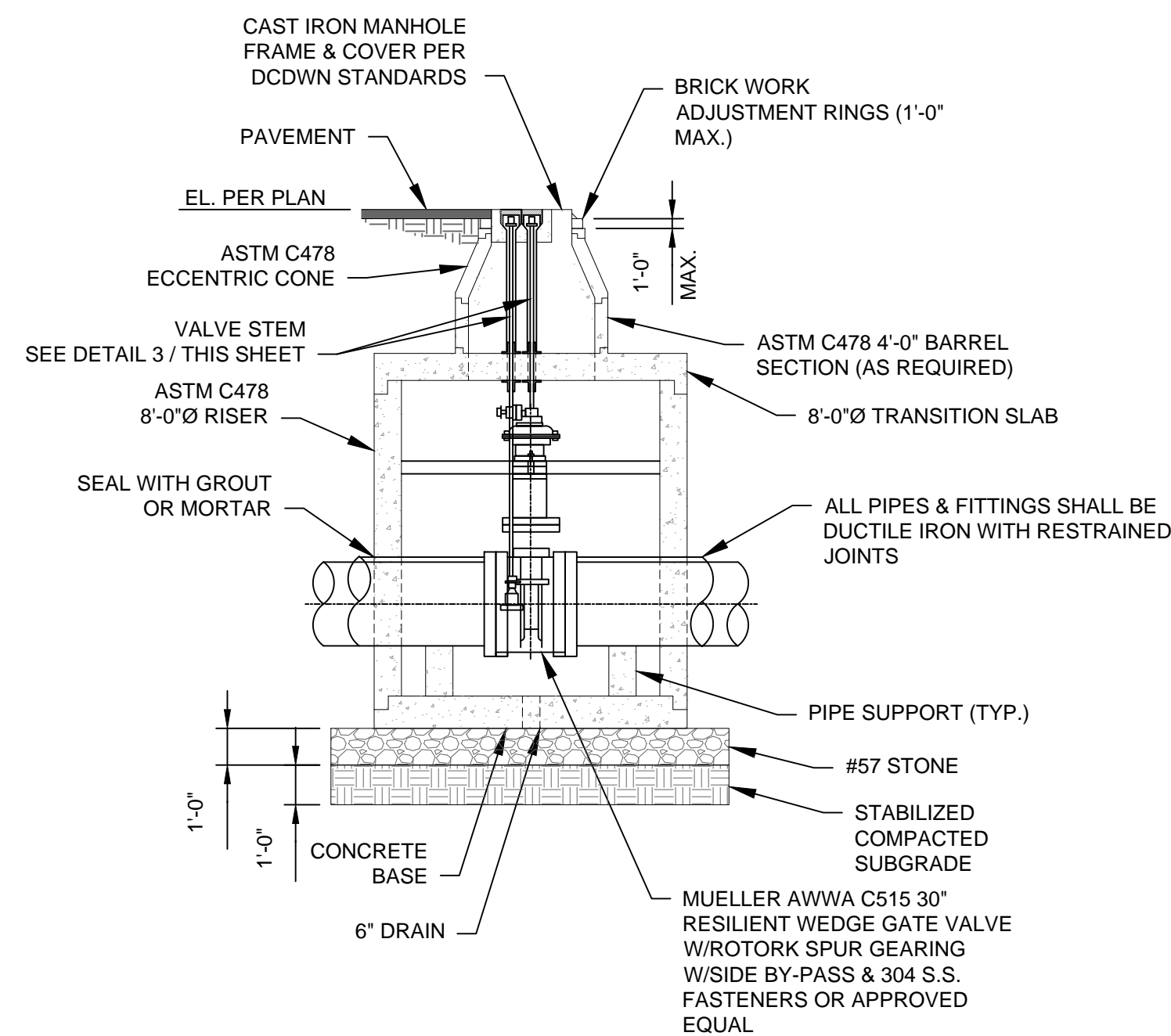
**MANHOLE AND 30" GV  
DETAIL - TOP VIEW**  
NTS (2)



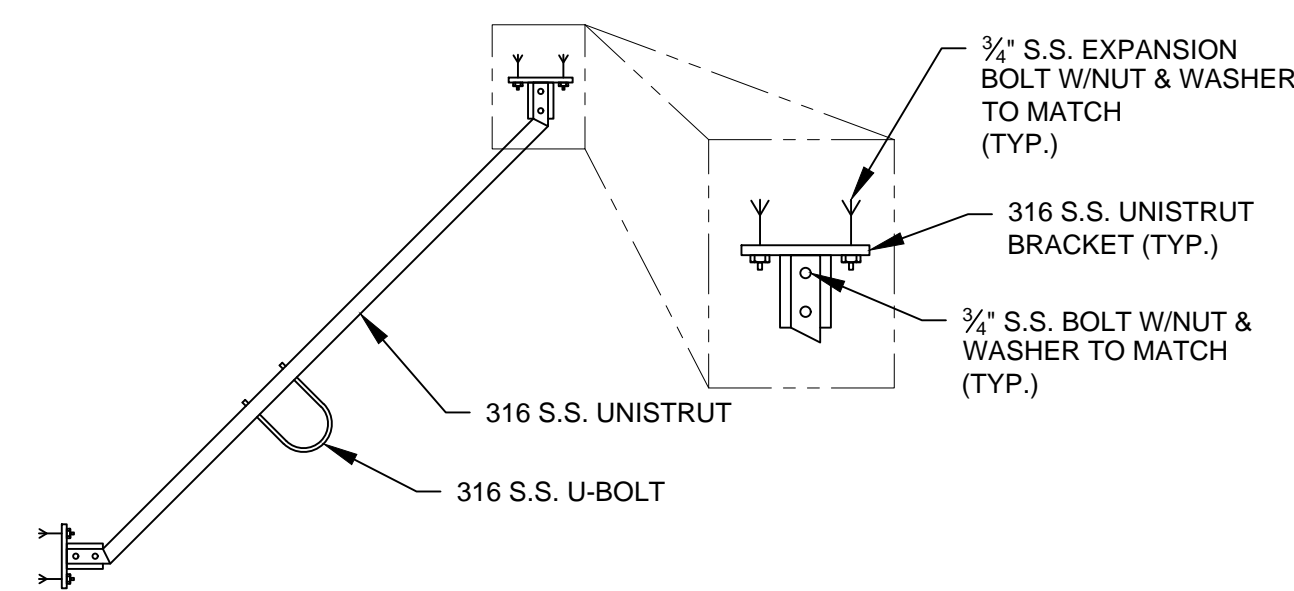
**VALVE STEM DETAIL**  
NTS (3)



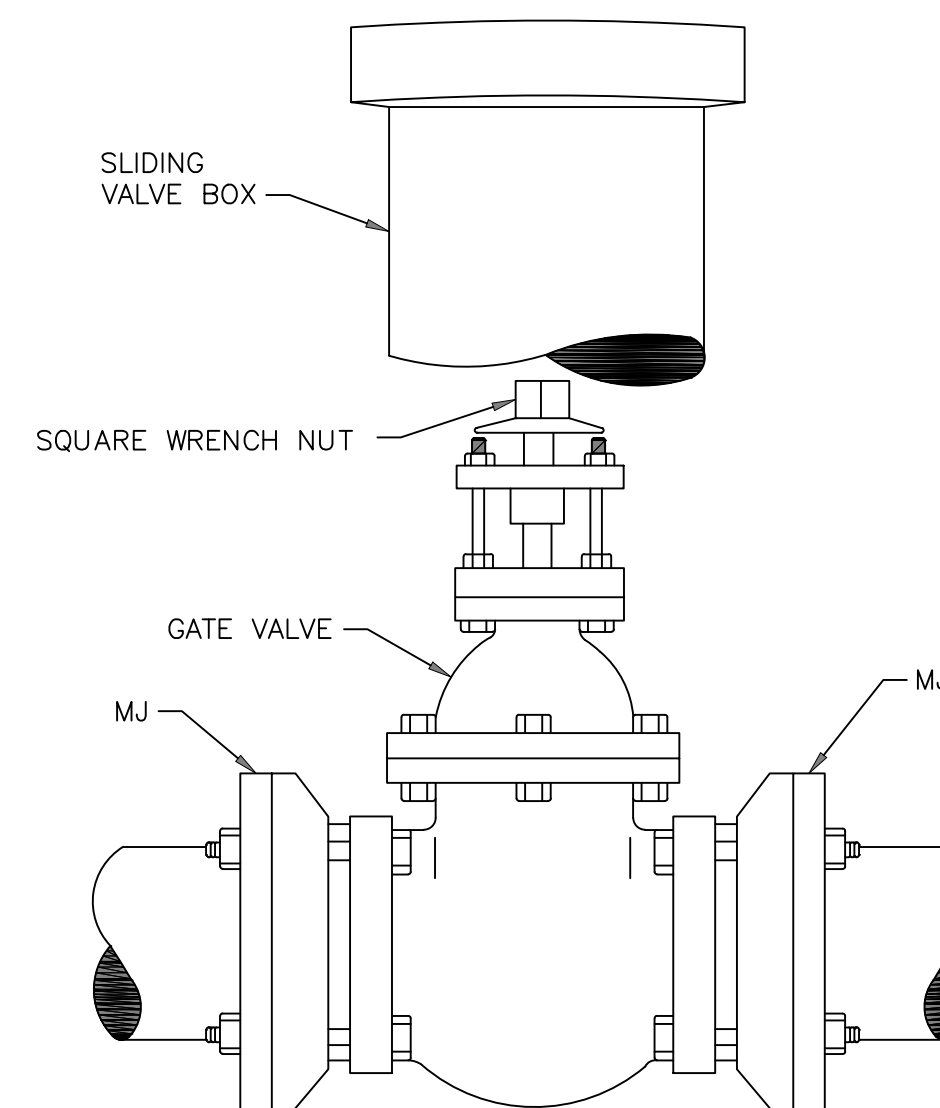
**MANHOLE AND 30" GV  
DETAIL - SIDE VIEW**  
NTS (4)



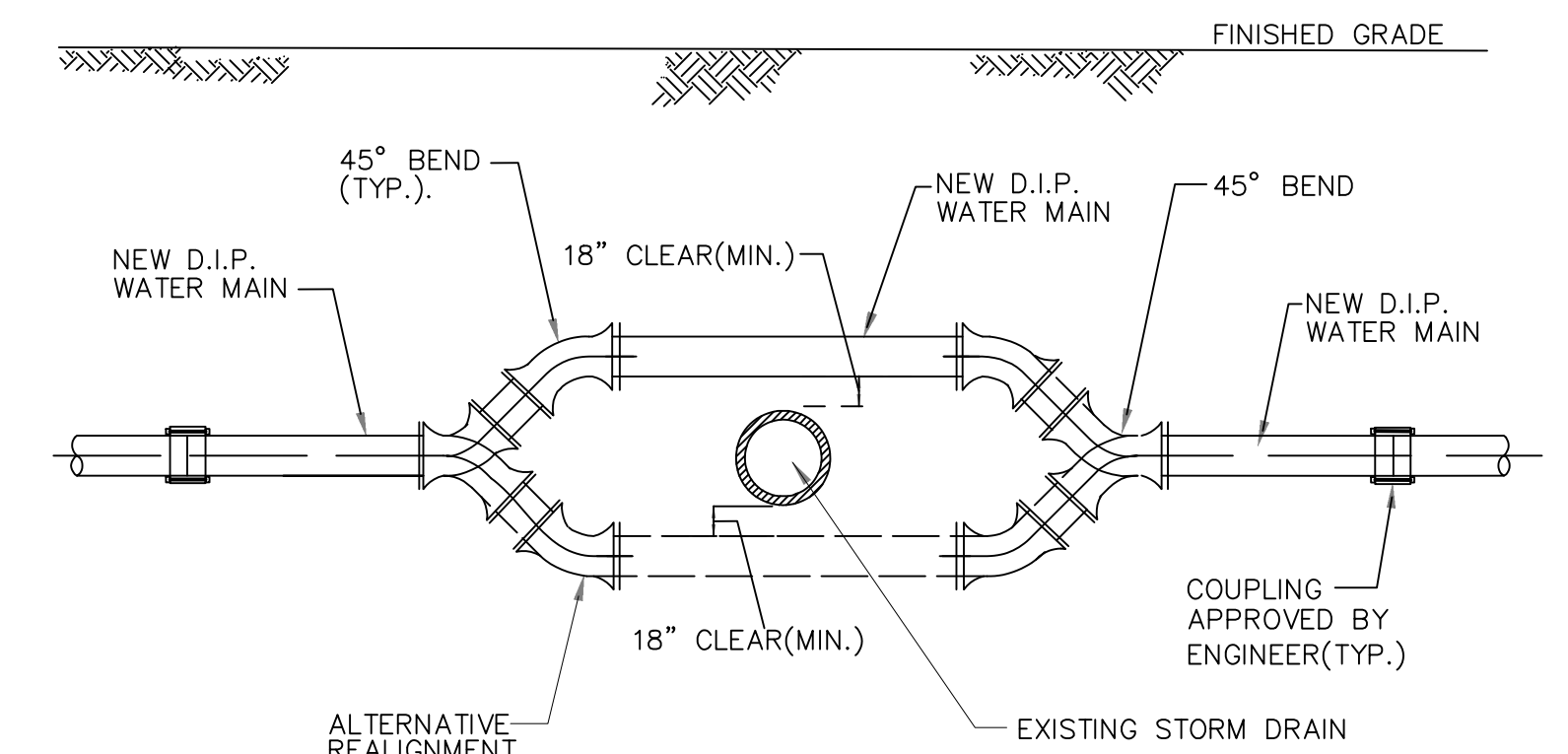
**MANHOLE AND 30" GV  
DETAIL - FRONT VIEW**  
NTS (5)



**VALVE STEM SUPPORT DETAIL**  
NTS (6)



**TYPICAL GATE VALVE INSTALLATION FOR  
16-INCHES AND BELOW**  
NTS (7)



**WATER MAIN REALIGNMENT DETAIL**  
NTS (8)

NOTE:  
1. PIPE MUST NOT SUPPORT VAULT.

NOTES:  
REALIGNMENT TO BE USED ONLY WHEN AUTHORIZED BY THE ENGINEER.

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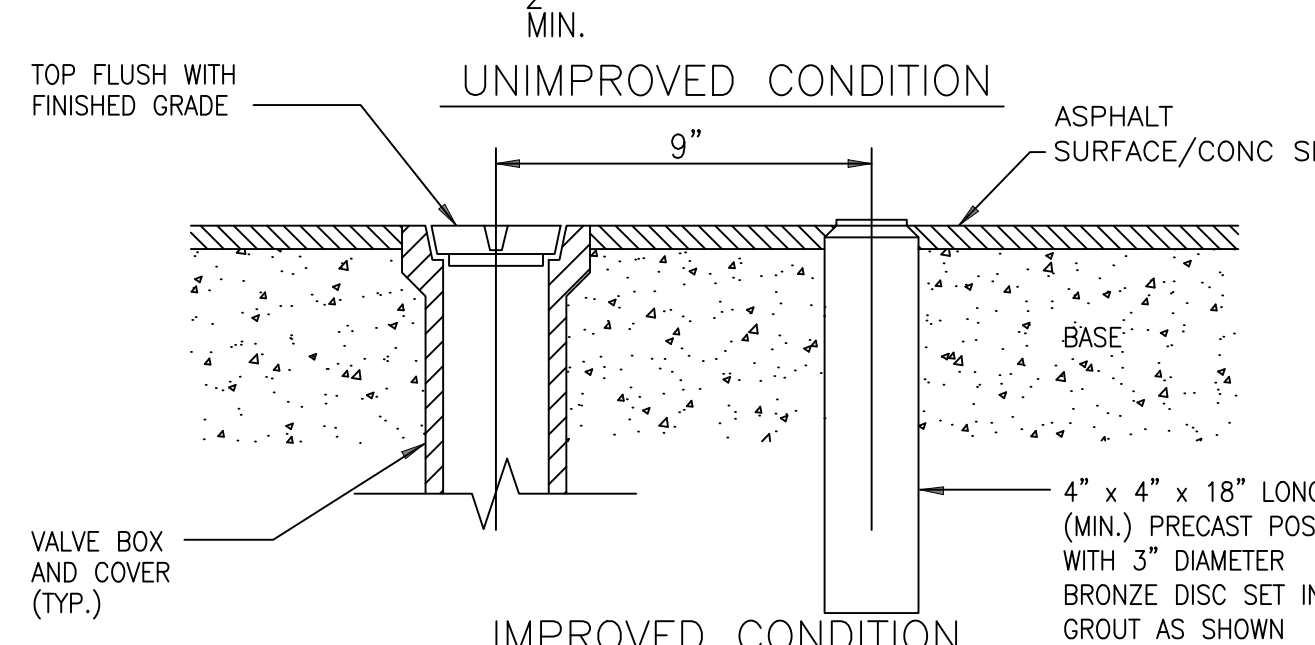
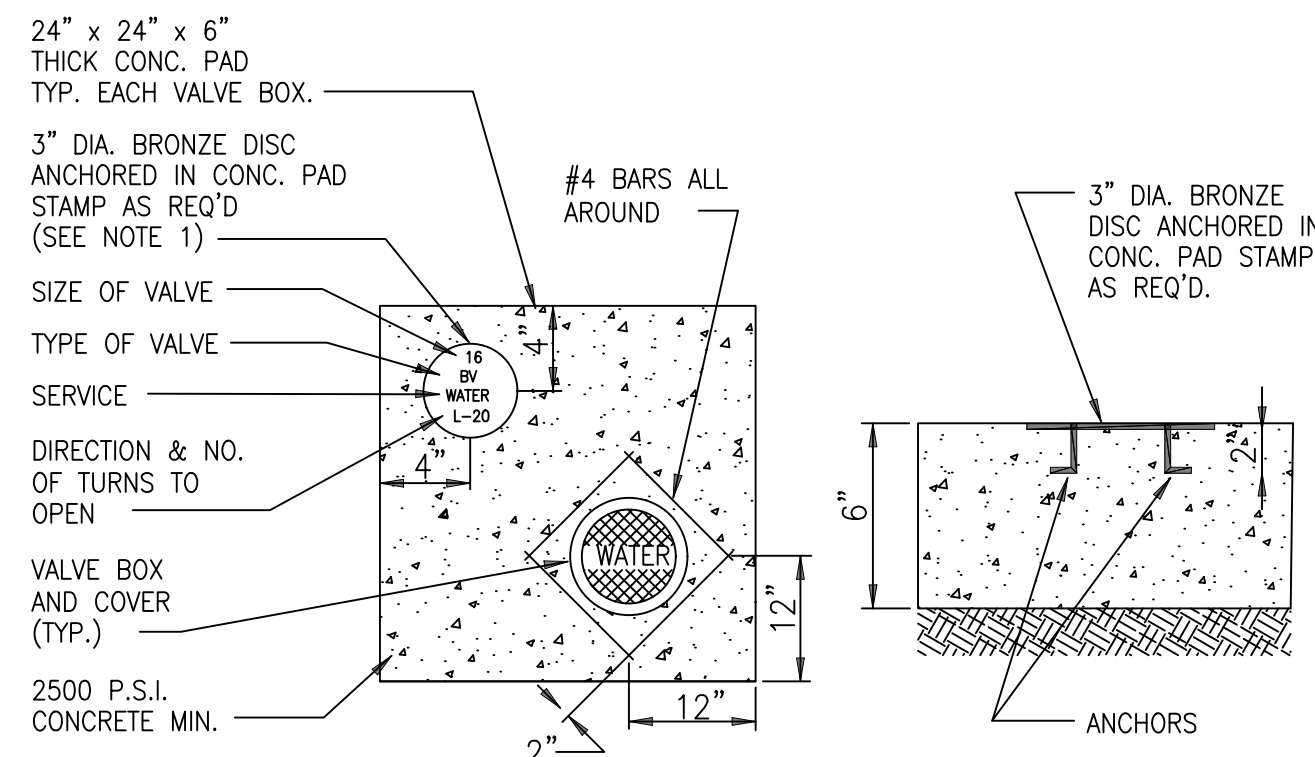


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DEKALB COUNTY DWM  
SCOTT BOULEVARD PHASE II WATER MAIN REPLACEMENT PROJECT

**STANDARD DETAILS**

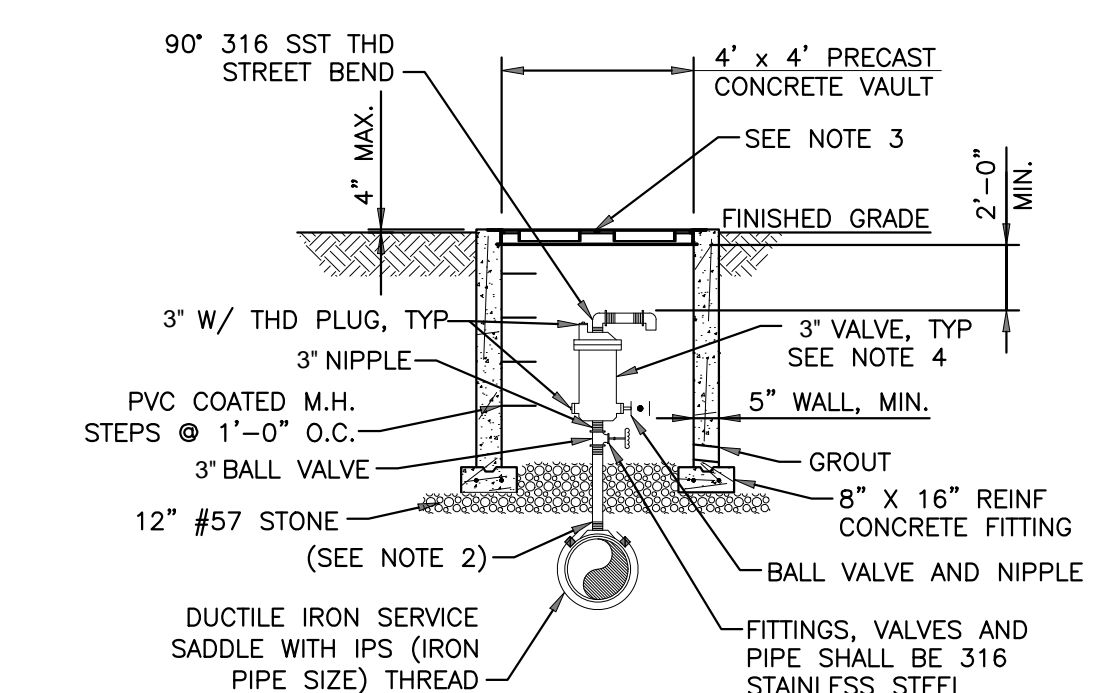
DRAWING No.  
**SD-01**



- NOTES:
- BRONZE IDENTIFICATION DISC SHALL BE REQUIRED FOR ALL VALVES 16" AND LARGER, OR AS REQUIRED BY DCDWM.
  - VALVE COLLAR DIMENSIONS MAY BE REDUCED TO 18" X 18" X 6" WHEN THE BRONZE IDENTIFICATION DISC IS NOT REQUIRED.

### VALVE COVER AND MARKER DISC

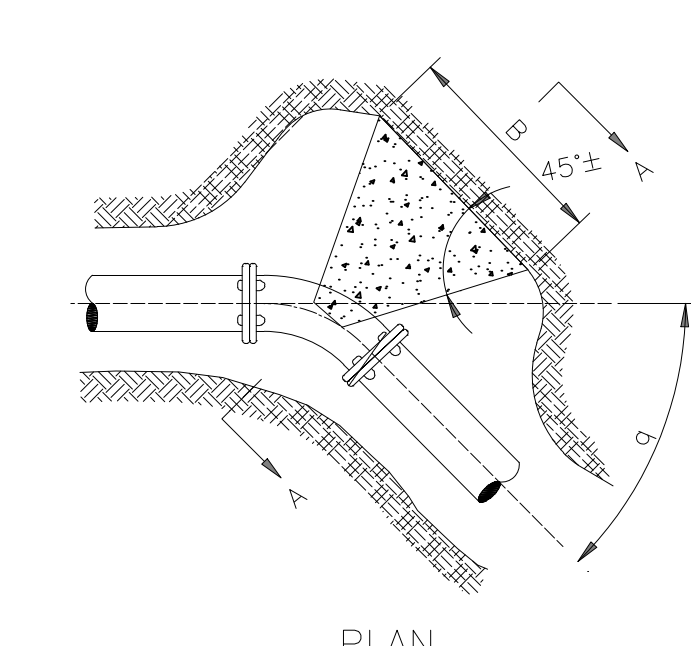
NTS **1**



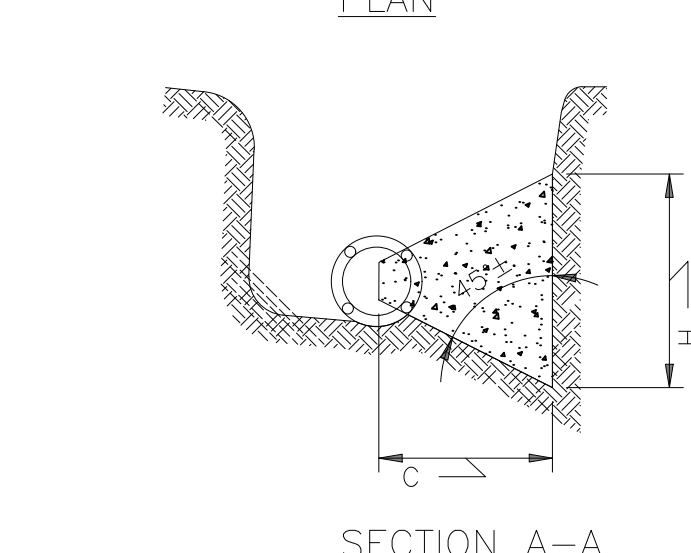
- NOTES:
- COMBINATION AIR-VACUUM VALVES SHALL BE DETERMINED BY THE DEVELOPER'S ENGINEER AND APPROVED BY DCDWM PRIOR TO INSTALLATION.
  - THE MINIMUM DIMENSION FROM TOP OF PIPE TO FINISHED GRADE SHALL BE 4.0 FEET.
  - FRAME AND COVER SHALL BE EQUIVALENT TO U.S. FOUNDRY USP 170 - E - ORS.
  - VALVE SHALL BE VAL-MATIC 203C.15 OR EQUAL. SIZE SHALL BE BASED ON WATER MAIN SIZE.
  - THE WATER AIR/VACUUM RELEASE VALVE VAULT SHALL BE DESIGNED FOR VEHICULAR TRAFFIC LOADS.

### COMBINATION AIR-VACUUM VALVE DETAIL

NTS **2**



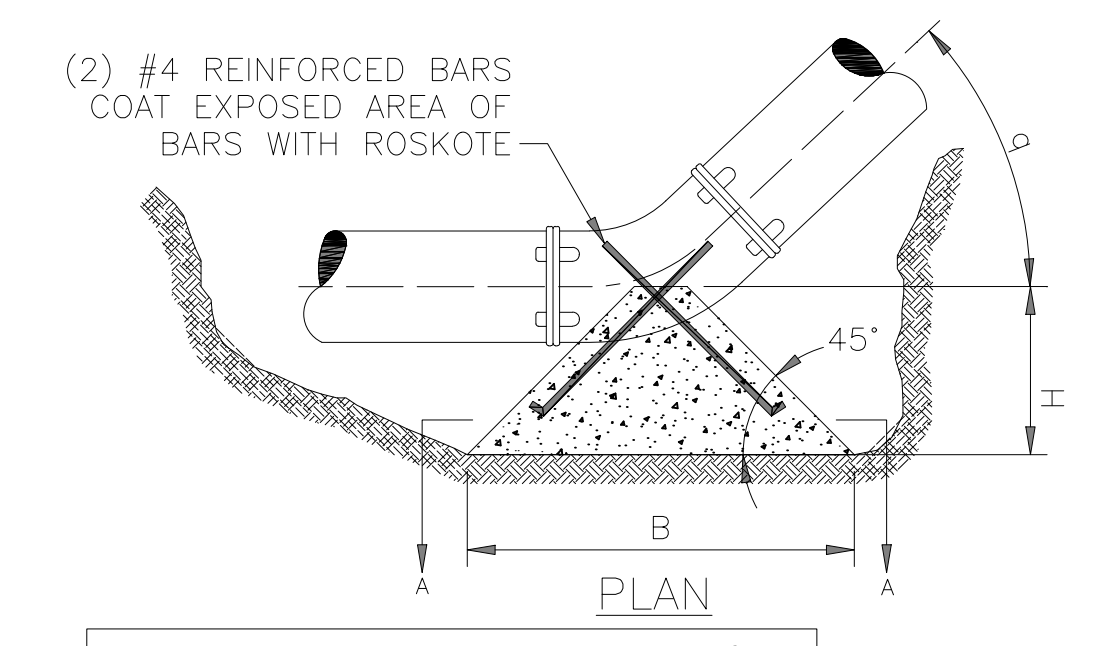
FITTING (")	B (FT)	H (FT)	C (FT)	VOL (YD <sup>3</sup> )
6	0.9	0.8	0.45	0.010
8	1.2	1.1	0.60	0.022
10	1.5	1.3	0.75	0.041
12	1.8	1.6	0.90	0.071
16	2.3	2.2	1.15	0.149
22-1/2	6	1.3	1.1	0.65
8	1.6	1.6	0.80	0.048
10	2.1	1.9	1.05	0.097
12	2.5	2.3	1.25	0.165
16	3.3	3.0	1.65	0.362
45	6	1.7	1.6	0.85
8	2.2	2.2	1.10	0.113
10	2.8	2.7	1.40	0.222
12	3.3	3.3	1.65	0.375
16	4.5	4.3	2.25	0.987
6	2.3	2.2	1.15	0.118
8	3.1	2.9	1.55	0.278
10	3.8	3.7	1.90	0.530
12	4.6	4.4	2.30	0.921
16	6.1	5.9	3.05	2.142
TEES	6	2.1	1.8	1.00
8	2.6	2.5	1.30	0.170
10	3.2	3.1	1.60	0.319
12	3.9	3.7	1.95	0.565
16	5.1	5.0	2.55	1.303



- NOTES:
- DIMENSIONS OF THRUST BLOCKS WERE CALCULATED ASSUMING A STATIC PRESSURE OF 250 PSI AND A SOIL BEARING PRESSURE OF 2,000 PSF.
  - DIMENSIONS SHOWN CAN BE VARIED AS FIELD CONDITIONS DICTATE, BUT IT IS IMPORTANT THAT THE CORRECT VOLUME AS SHOWN IN TABLE BE USED AND THAT ALLOWABLE SOIL BEARING PRESSURE NOT BE EXCEEDED.
  - IT IS THE RESPONSIBILITY OF THE DESIGN ENGINEER TO VERIFY THAT THE THRUST BLOCKS IN THE CHART MEET THE REQUIRED FORCES THAT ARE ASSOCIATED WITH THE PROPOSED WATER LINE OR FORCE MAIN.

### HORIZONTAL THRUST BLOCK DETAIL

NTS **3**

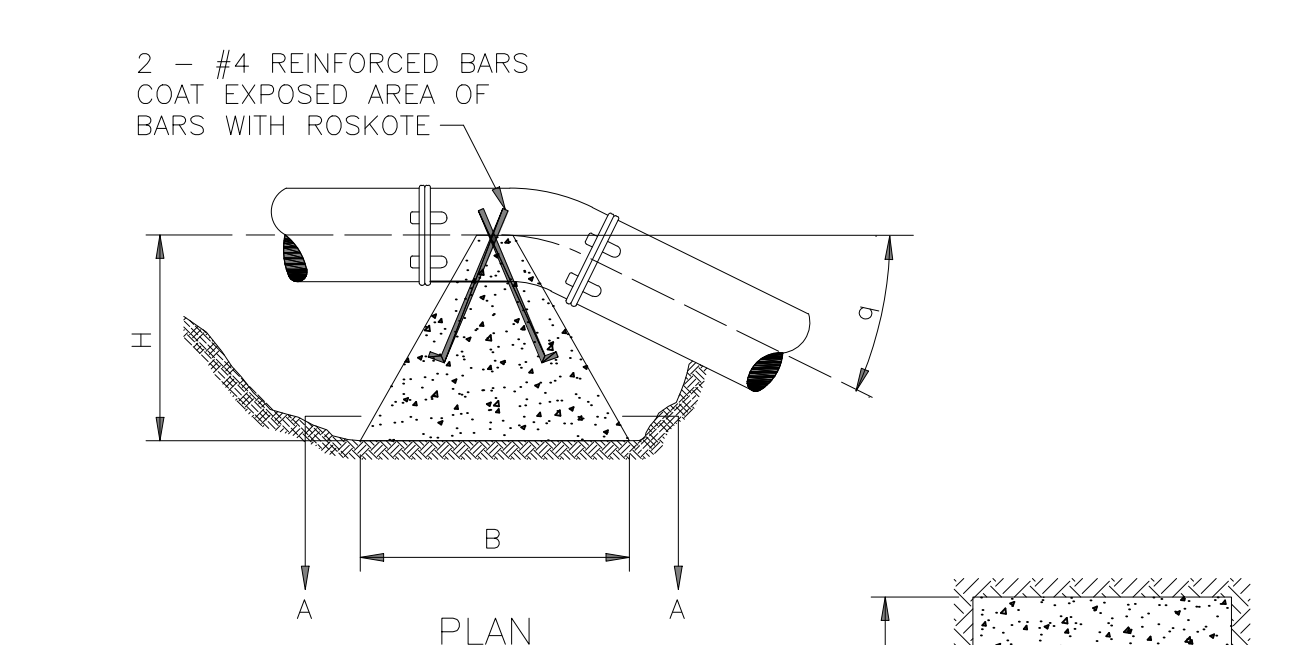


FITTING (")	DIA (IN)	B (FT)	H (FT)	VOL (YD <sup>3</sup> )
6	1.0	0.3	0.008	
8	1.2	0.4	0.012	
10	1.5	0.6	0.026	
12	1.9	0.8	0.055	
16	2.4	1.0	0.110	
22-1/2	6	1.3	0.5	0.017
8	1.7	0.7	0.039	
10	2.1	0.9	0.075	
12	2.5	1.1	0.129	
16	3.2	1.6	0.308	
45	6	1.7	0.7	0.039
8	2.2	0.9	0.083	
10	2.7	1.2	0.164	
12	3.3	1.5	0.305	
16	4.3	2.0	0.688	

- NOTE:
- DIMENSIONS OF THRUST BLOCKS WERE CALCULATED ASSUMING A STATIC PRESSURE OF 250 PSI, A DEPTH OF COVER OF 4 FT., AND A SOIL BEARING PRESSURE OF 2,000 PSF.
  - DIMENSIONS SHOWN CAN BE VARIED AS FIELD CONDITIONS DICTATE, BUT IT IS IMPORTANT THAT THE CORRECT VOLUME AS SHOWN IN TABLE BE USED AND THAT ALLOWABLE SOIL BEARING PRESSURE NOT BE EXCEEDED.
  - IT IS THE RESPONSIBILITY OF THE DESIGN ENGINEER TO VERIFY THAT THE THRUST BLOCKS IN THE CHART MEET THE REQUIRED FORCES THAT ARE ASSOCIATED WITH THE PROPOSED WATER LINE OR FORCE MAIN.

### BLOCKING DETAIL DOWNWARD THRUST

NTS **4**

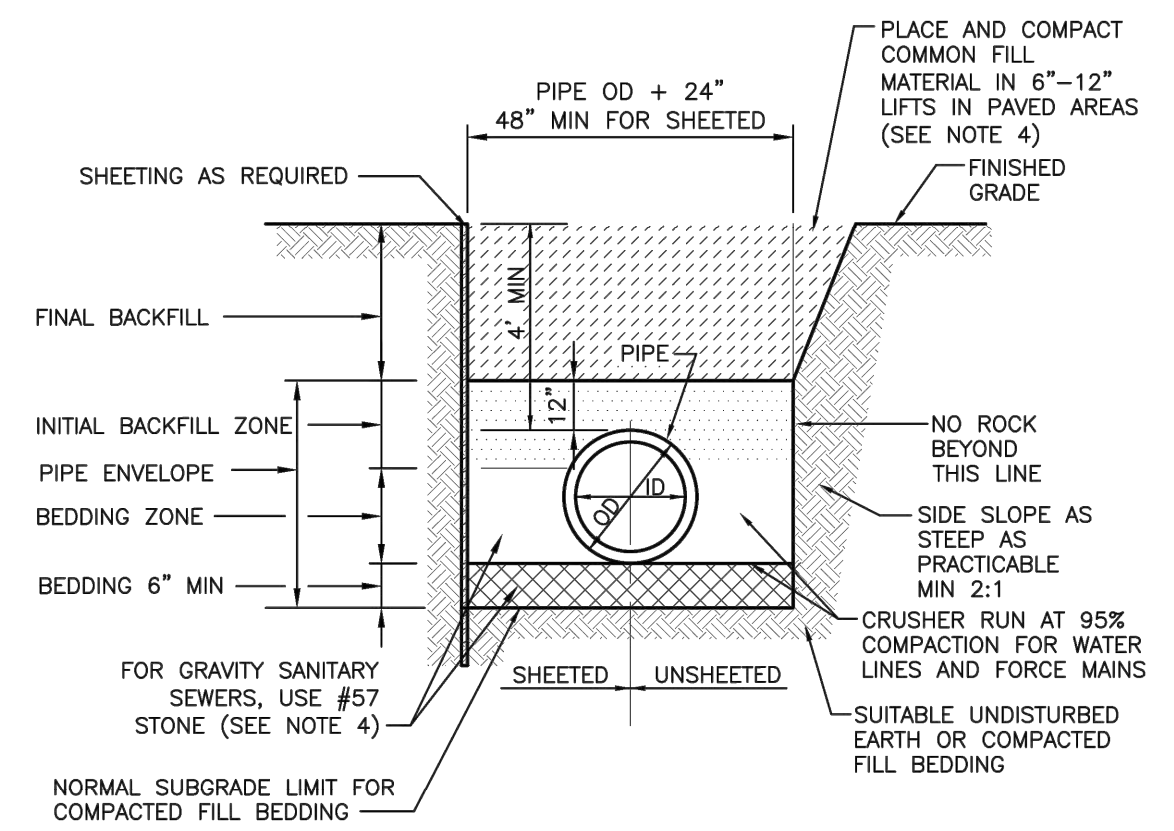


FITTING (")	DIA (IN)	B (FT)	H (FT)	VOL (YD <sup>3</sup> )
6	3.0	2.2	0.6	
8	3.5	2.4	0.9	
10	4.0	3.2	1.5	
12	4.5	3.5	2.1	
16	5.0	4.8	3.6	
22-1/2	6	3.5	2.9	1.1
8	4.0	3.9	1.8	
10	4.5	4.6	2.9	
12	5.5	4.8	4.1	
16	6.5	5.9	7.2	
45	6	4.5	3.4	2.0
8	5.0	4.6	3.3	
10	6.0	5.1	5.3	
12	6.5	6.2	7.5	
16	8.0	7.3	13.2	

- NOTES:
- VOLUME WAS CALCULATED NEGLECTING WEIGHT OF FITTING, WATER, AND BACKFILL USING A STATIC PRESSURE OF 250 PSI.
  - DIMENSIONS OF BLOCK WERE CALCULATED ASSUMING A SOIL BEARING PRESSURE OF 2,000 POUNDS PER SQUARE FOOT.
  - DIMENSIONS SHOWN CAN BE VARIED AS FIELD CONDITIONS DICTATE, BUT IT IS IMPORTANT THAT THE CORRECT VOLUME AS SHOWN IN TABLE BE USED AND THAT ALLOWABLE SOIL BEARING PRESSURE NOT BE EXCEEDED.
  - IT IS THE RESPONSIBILITY OF THE DESIGN ENGINEER TO VERIFY THAT THE THRUST BLOCKS IN THE CHART MEET THE REQUIRED FORCES THAT ARE ASSOCIATED WITH THE PROPOSED WATER LINE OR FORCE MAIN.

### BLOCKING DETAIL UPWARD THRUST

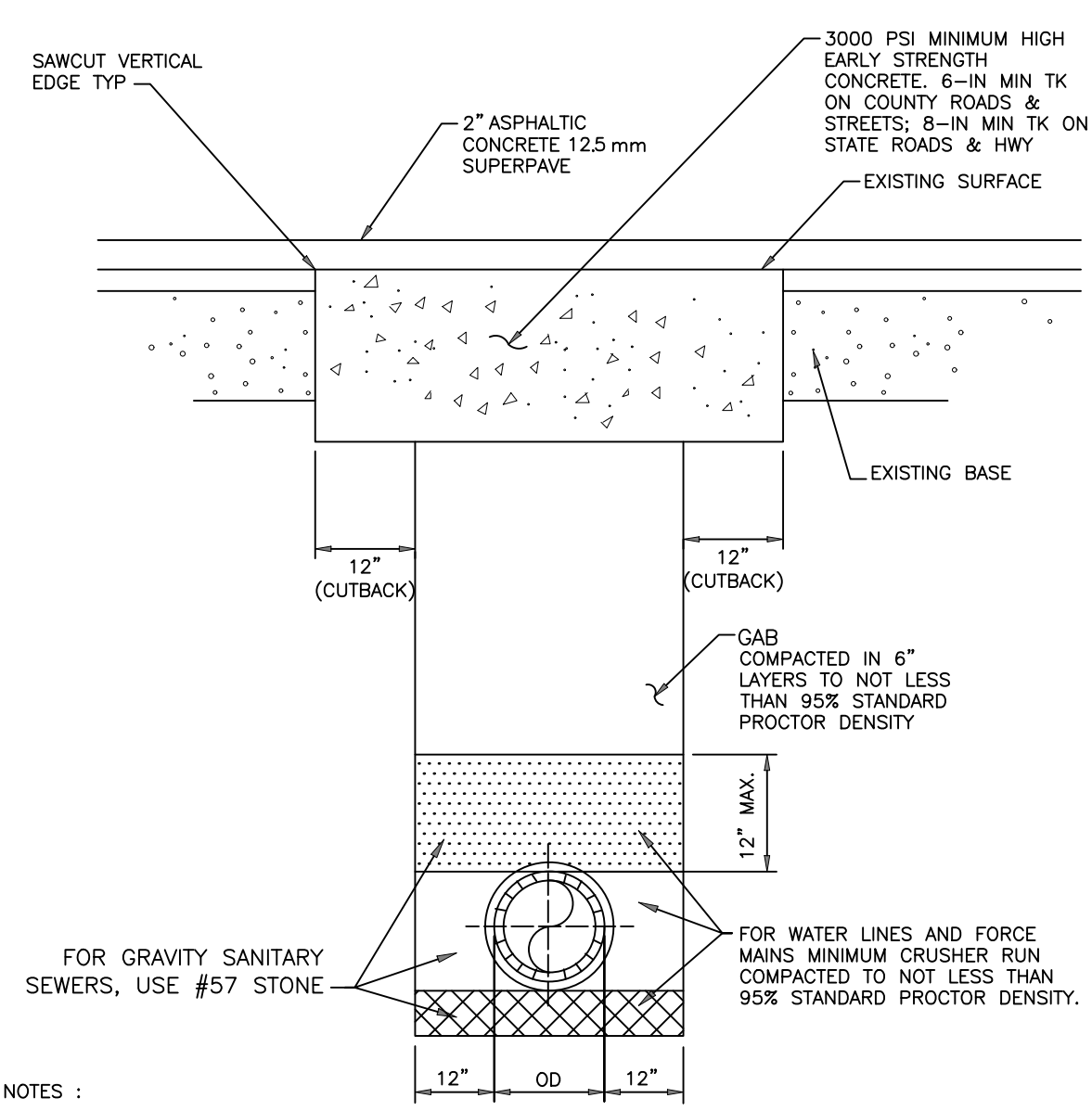
NTS **5**



- NOTES:
- SEE DESIGN STANDARDS FOR ADDITIONAL BEDDING AND TRENCH BACKFILL REQUIREMENTS.
  - DEPTH OF COVER OVER WATER MAINS, FORCE MAINS AND GRAVITY SANITARY SEWERS SHALL BE 4'-0" AS MEASURED FROM TOP OF PAVEMENT OR FINISHED GRADE TO TOP OF PIPE.
  - NO ROCK, ONLY BEDDING MATERIAL IN BACKFILL FOR FIRST 2'-0" ABOVE TOP OF PIPE.
  - BEDDING AND BACKFILL TO BE CRUSHER RUN AT 95% COMPACTION UNDER ALL PAVING FROM 12" ABOVE THE TOP OF PIPE TO THE BOTTOM OF THE CONCRETE ROAD CAP.
  - BACKFILL TO BE FREE OF ORGANICS, OBJECTIONABLE MATERIAL AND STONES LARGER THAN 3" IN ITS LONGEST DIMENSION.

### BACKFILL AND ALLOWABLE TRENCH WIDTHS DETAIL

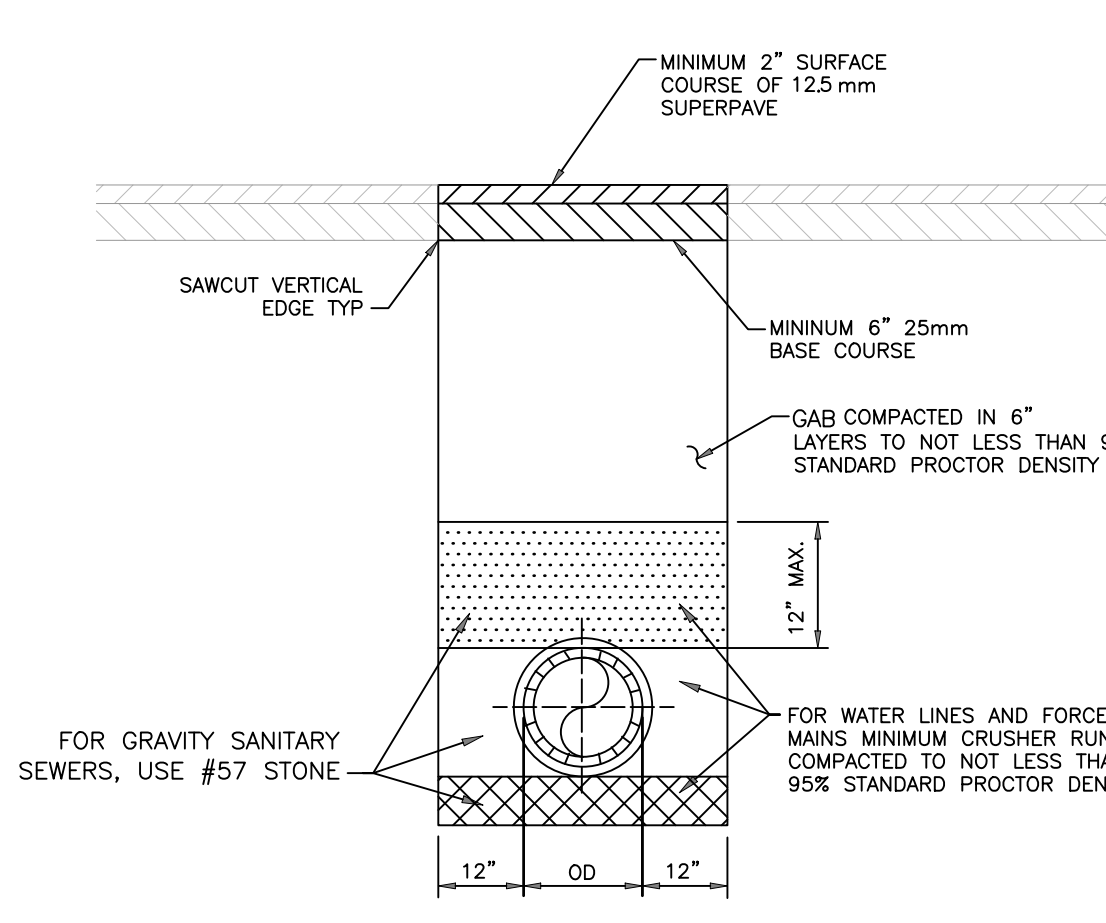
NTS **6**



- NOTES:
- SAW CUT EXISTING PAVEMENT TO PROVIDE STRAIGHT VERT. JOINTS.
  - SURFACES TO BE CLEANED AND BITUMINOUS TACK COAT APPLIED BEFORE PLACEMENT OF ASPHALTIC TOP.
  - FOR EXIST SURFACE OF PORTLAND CEMENT CONCRETE, FURNISH NEW SURFACE OF 3000 PSI MINIMUM HIGH EARLY STRENGTH CONCRETE.
  - ON LONGITUDINAL CUTS EXCEEDING 100 FEET, THE CONC IN THE TRENCH SHALL BE BROUGHT FLUSH WITH THE EXISTING PAVEMENT AND THE ENTIRE WIDTH OF LANE RESURFACED W/ 1-1/2 IN MIN THK OF ASPHALTIC CONC.

### TYPICAL PATCH AND RESURFACING DETAIL

NTS **7**



- NOTES:
- SAW CUT EXISTING PAVEMENT TO PROVIDE STRAIGHT VERT. JOINTS.
  - SURFACES TO BE CLEANED AND BITUMINOUS TACK COAT APPLIED BEFORE PLACEMENT OF ASPHALTIC TOP.
  - THIS DETAIL MAY ONLY BE USED WITH DCDWM'S APPROVAL.

### TYPICAL ASPHALT PAVEMENT PATCH WITHOUT CONCRETE CAP

NTS **8**

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**DeKalb County**  
 GEORGIA

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DEKALB COUNTY DWM  
 SCOTT BOULEVARD PHASE II WATER MAIN REPLACEMENT PROJECT

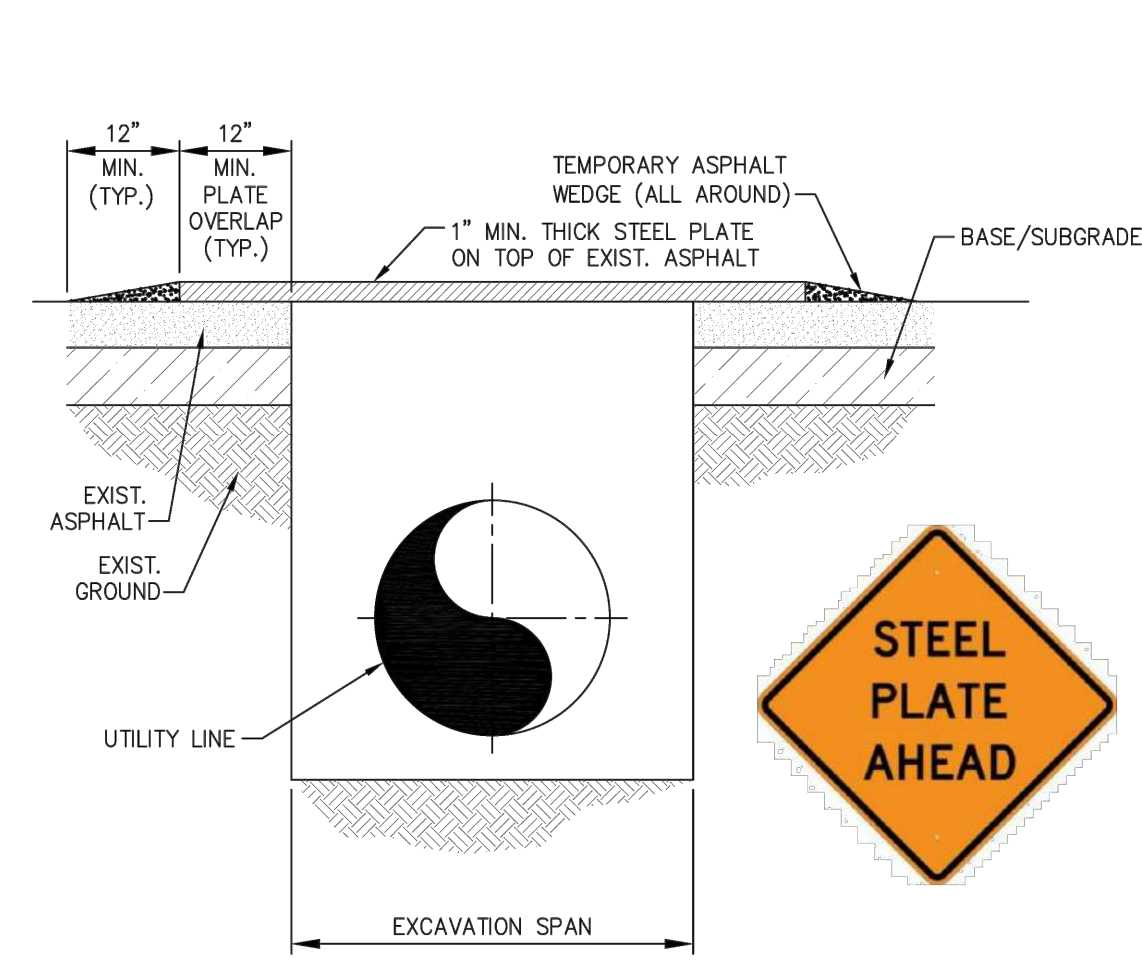
**STANDARD DETAILS**

DRAWING No. SD-02

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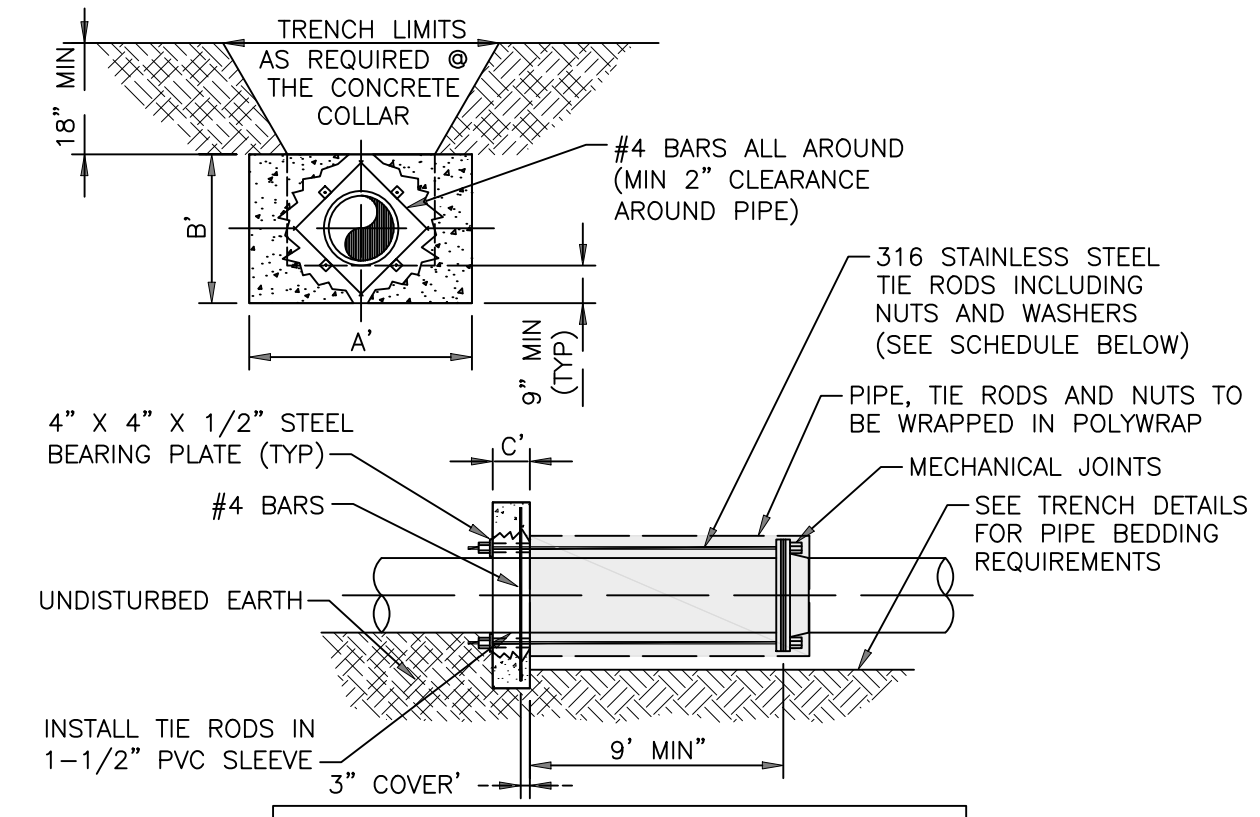






- NOTES:**
- INSTALLATION SHALL BE USED IN AREAS WHERE BACKFILLING OPERATIONS OF AN EXCAVATION IN THE ROADWAY CANNOT MEET THE MINIMUM COMPACTION REQUIREMENTS AND PERMANENT PATCHING PLACEMENT WITHIN THE SAME DAY.
  - ALL EXCAVATIONS SHALL BE BACKFILLED WITHIN THE ROADWAY.
  - EACH PLATE IS TO OVERLAP EXISTING PAVEMENT 12" MINIMUM IN EVERY DIRECTION AND MULTIPLE PLATES SHALL ABUT AND BE SECURED TO EACH OTHER.
  - EACH STEEL PLATE SHALL BE ANCHORED SECURELY TO PREVENT MOVEMENT.
  - TEMPORARY PAVING WITH A COLD ASPHALT MIX OR APPROVED EQUAL SHALL BE USED TO FEATHER EDGES OF THE PLATE TO FORM A WEDGED TAPER TO COVER THE EDGES OF THE STEEL PLATE.
  - THE STEEL PLATE SHALL BE REMOVED WITHIN 30 DAYS OF PLACEMENT WITH THE EXCAVATION MEETING THE MINIMUM COMPACTION REQUIREMENTS AND PERMANENT PATCHING INSTALLED.
  - ANY DITCH LINE NEEDING A STEEL PLATE LONGER THAN 30 DAYS SHALL REQUIRE DCDWM'S WRITTEN APPROVAL.
  - WARNING SIGNS ADVISING MOTORIST THAT THEY SHOULD EXPECT TO ENCOUNTER STEEL PLATES SHALL BE PLACED APPROXIMATELY 100 FEET IN ADVANCE OF THE STEEL PLATE LOCATION. THE SIGNS SHALL MEET MUTCD SIGN SIZE REQUIREMENTS, SHALL STATE STEEL PLATE AHEAD, AND SHALL BE VISIBLE TO THE MOTORIST.

**STEEL PLATE INSTALLATION DETAIL**  
NTS **1**

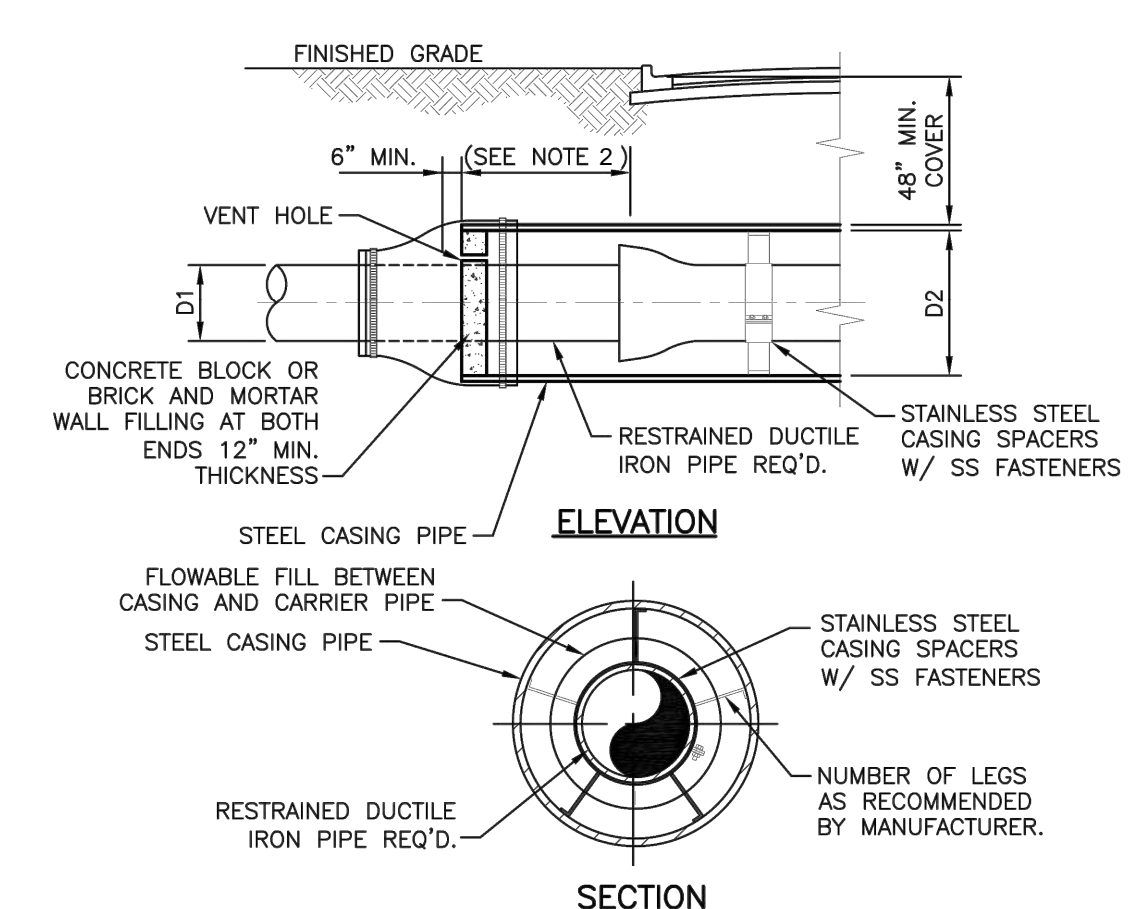


**SCHEDULE OF DIMENSIONS AND MATERIALS**

PIPE SIZE (INCHES)	DIMENSIONS (FT.)			TIE RODS REQ'D	
	A	B	C	DIA. INCHES	NO.
6	2.0	2.0	1.0	3/4	2
8	2.5	2.5	1.0	3/4	2
10	3.5	3.0	1.0	3/4	2
12	5.0	3.0	1.0	3/4	2
16	6.0	4.0	1.5	3/4	4
20	8.0	5.0	1.5	3/4	6
24	9.0	6.0	1.5	3/4	8

- NOTE:** THRUST COLLAR AREAS TO BE COMPUTED ON BASIS OF 2000 LBS/SF SOIL RESTRAINT BEARING.
- NOTES:**
- ADDITIONAL REINFORCEMENTS SHALL BE AS SPECIFIED BY THE ENGINEER.
  - MINIMUM COMPRESSIVE STRENGTH FOR CONCRETE SHALL BE 3000 PSI.
  - BEDDING, BACKFILL AND COMPACTION SHALL BE AS SPECIFIED ELSEWHERE IN THE STANDARDS.
  - ALL FORM BOARDS SHALL BE REMOVED PRIOR TO BACKFILL.
  - NO ALLOWANCE SHALL BE MADE FOR FRICTION BETWEEN THE PIPE WALL AND THE THRUST COLLAR.
  - DESIGN PRESSURE: 150 PSI.
  - PIPE SIZE GREATER THAN 24" DIAMETER SHALL HAVE THRUST RESTRAINT DESIGNED BY A REGISTERED P.E.

**THRUST RESTRAINT (150 PSI) TIE-ROD DETAIL**  
NTS **2**

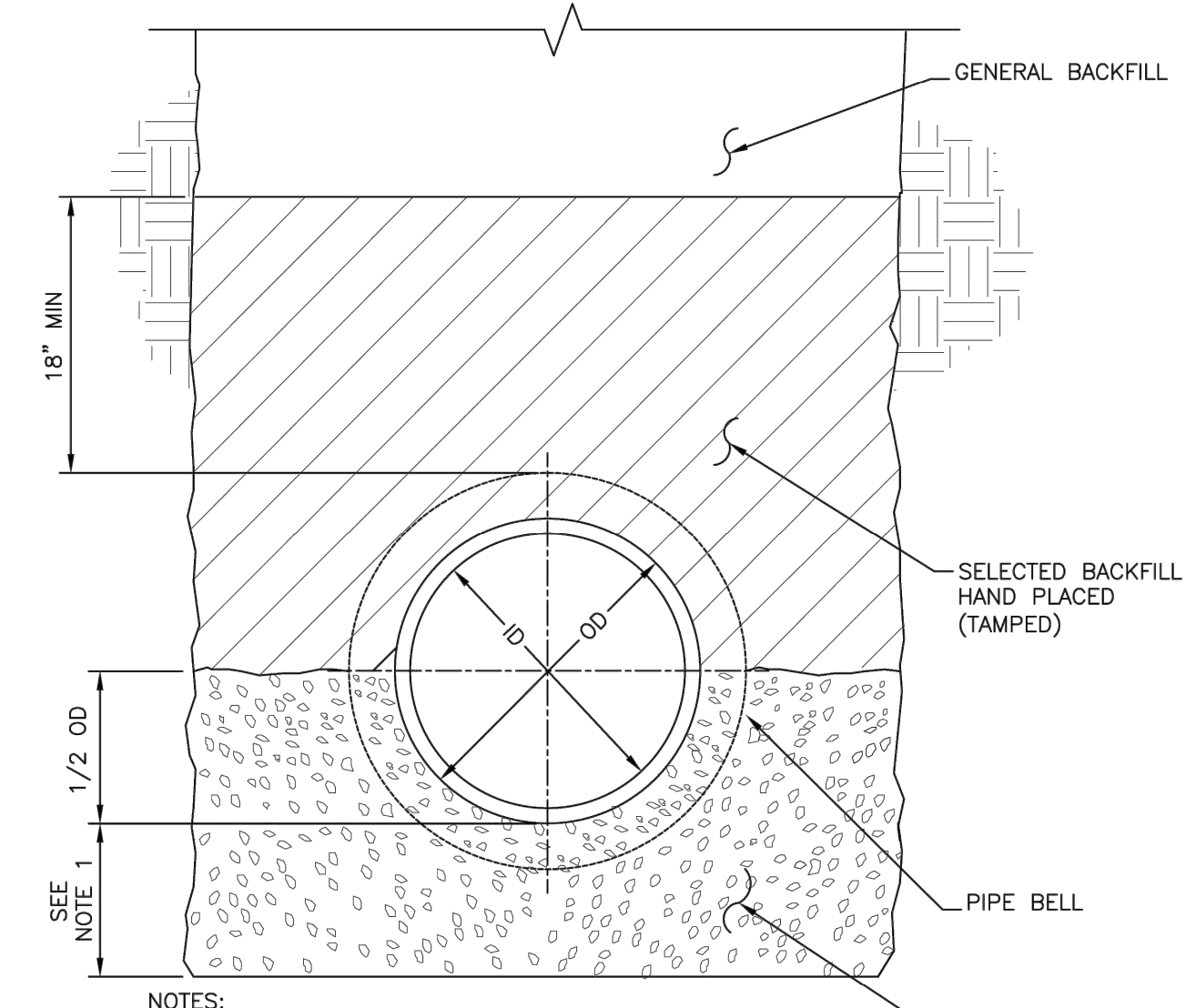


**CARRIER PIPE AND CASING PIPE SIZES (MIN.)**

CARRIER PIPE NOM. DIA. (D1)	2	4	6	8	10	12	14	16	20	24
CASING PIPE NOM. DIA. (D2)	6	14	16	18	20	22	24	30	32	36
WALL THICKNESS (IN.) COATED	0.250	0.250	0.250	0.250	0.281	0.312	0.344	0.406	0.438	0.469
WALL THICKNESS (IN.) UNCOATED	0.282	0.282	0.313	0.313	0.344	0.375	0.407	0.469	0.501	0.532

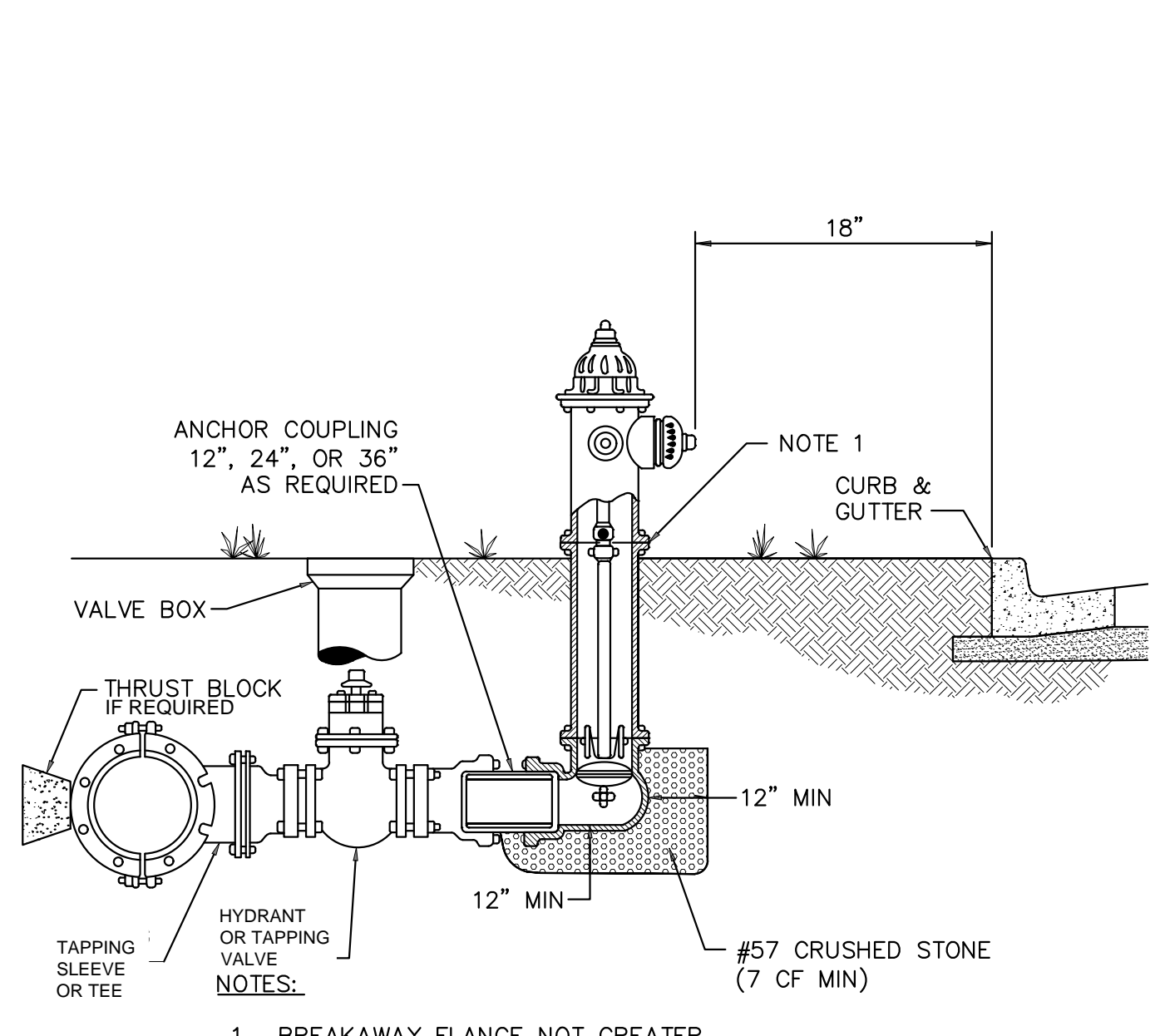
- NOTES:**
- STAINLESS STEEL CASING SPACERS ARE REQUIRED AS SHOWN.
  - WHERE PRACTICAL, CASING SHALL EXTEND A MIN. OF 10'-0" BEYOND EDGE OF PAVEMENT OR LONGER AS REQUIRED BY LOCAL PERMITTING AGENCIES.
  - A MINIMUM OF 3 CASING SPACERS PER JOINT OF INSTALLED CARRIER PIPE SHALL BE PROVIDED.
  - THIS DETAIL REMAINS APPLICABLE TO CARRIER PIPE AND CASING SIZES LARGER THAN SHOWN ON TABLE. SEE PLAN AND PROFILE SHEETS FOR CASING SIZE REQUIREMENTS.

**CASING AND PIPE SUPPORT INSTALLATION**  
NTS **3**

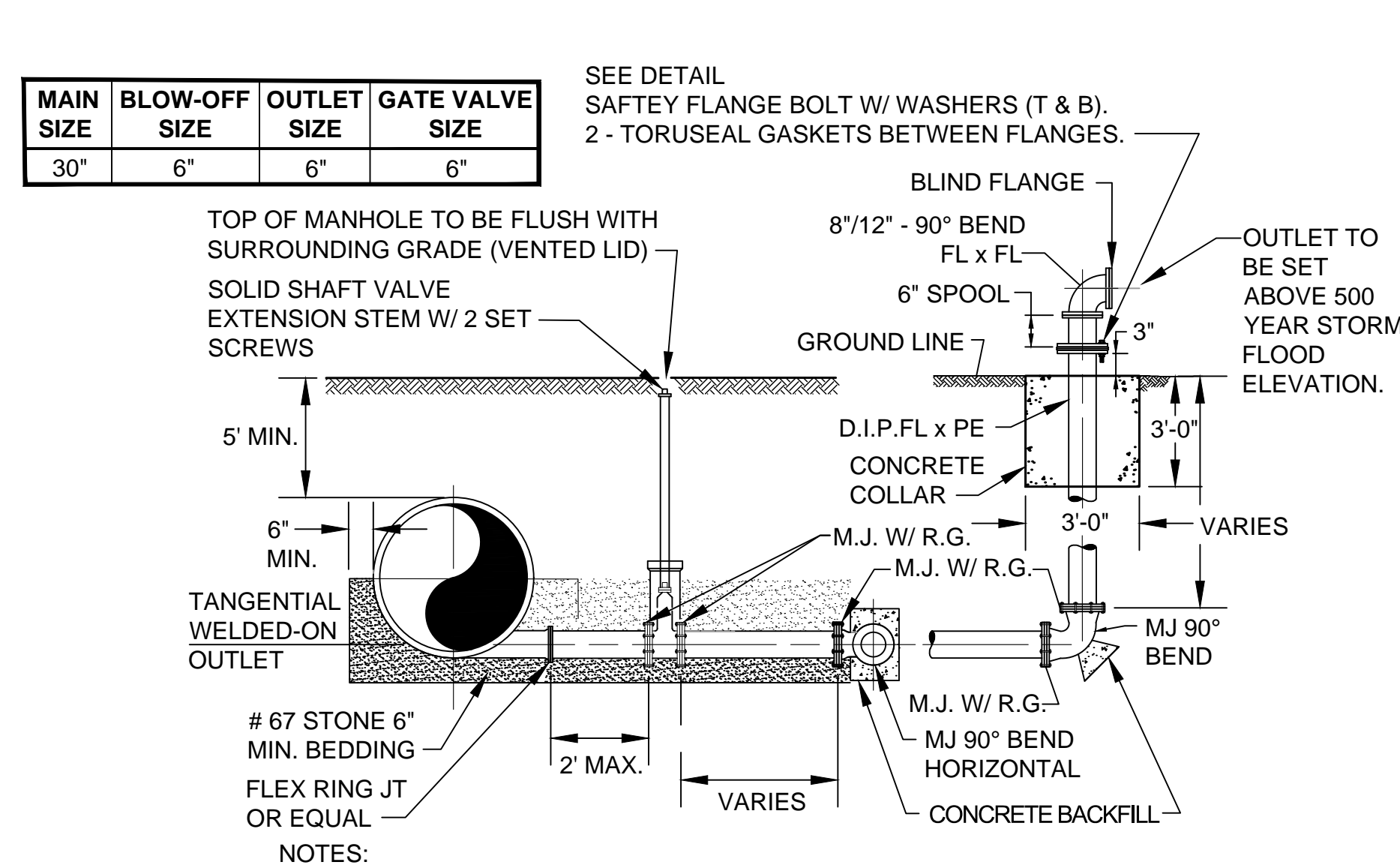


- NOTES:**
- PIPE DIAMETER UP TO 12":
    - EQUAL TO 1/2 TIMES THE OUTSIDE DIAMETER (OD)
    - MINIMUM 4"
  - PIPE DIAMETER GREATER THAN 12":
    - EQUAL TO 1/4 TIMES THE OUTSIDE DIAMETER (OD)
    - MINIMUM 6"
  - MAXIMUM 12"

**CLASS "A" BEDDING**  
NTS **5**

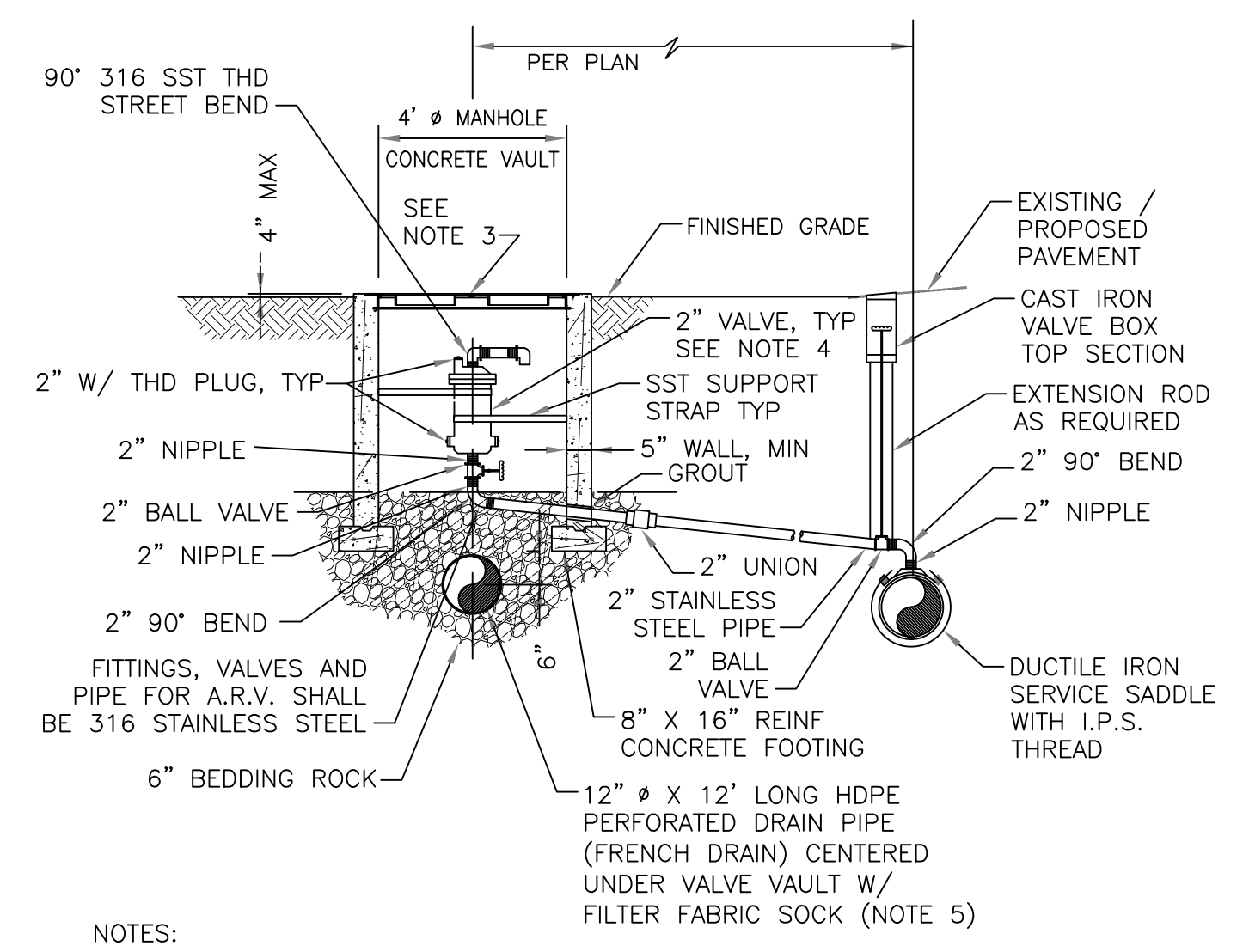


**TYPICAL FIRE HYDRANT DETAIL TAP INSTALLATION**  
NTS **6**



- NOTES:**
- RETAINER GLANDS TO BE USED WITH ALL MECHANICAL JOINT FITTINGS. PUSH-ON JOINTS TO BE RESTRAINED WITH RESTRAINING GASKETS.
  - TEES & BENDS SHALL BE MECHANICAL JOINT WITH RETAINER GLANDS.
  - RETAINER GLANDS SHALL BE EBAA IRON MEGALUGS OR APPROVED EQUAL.
  - RESTRAINING GASKETS SHALL BE FAST-GRIP, FIELD-LOK 350, OR APPROVED EQUAL.
  - PLACE RIP-RAP APRON DOWNSTREAM OF OUTLET.
  - ABOVE GRADE BLOW-OFF OUTLET SHALL BE SET AT LEAST 30 FEET FROM EDGE OF PAVEMENT TO BE OUTSIDE GDOT CLEAR ZONE.
  - WELDED-ON OUTLET ON WATER MAIN SHALL BE SET AT LEAST 5' AWAY FROM SPIGOT OR BELL END OF PIPE.

**BLOW-OFF ASSEMBLY**  
NTS **7**



- NOTES:**
- ABOVE DETAIL IS BASED ON 2" AIR RELEASE VALVE. CHANGE PIPE AND FITTINGS BY THE DEVELOPER'S ENGINEER AND APPROVED BY DCDWM PRIOR TO INSTALLATION.
  - THE MINIMUM DIMENSION FROM THE TOP OF THE WATERMAIN TO FINISHED GRADE SHALL BE 4.0 FEET.
  - FRAME AND COVER SHALL BE EQUIVALENT TO U.S. FOUNDRY USF 170-E-ORS.
  - FOR POTABLE WATER AND REUSE WATER MAINS, VALVE SHALL BE APCO #200 (2") OR EQUIVALENT.
  - FRENCH DRAIN BEDDING BEYOND VALVE VAULT SHALL CONSIST OF 24" x 24" TRENCH LINED W/ 6" MIN #57 BEDDING AROUND FRENCH DRAIN CENTERED IN TRENCH.

**AIR RELEASE VALVE INSTALLATION DETAIL**  
NTS **8**

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DEKALB COUNTY DWM  
SCOTT BOULEVARD PHASE II WATER MAIN REPLACEMENT PROJECT

**STANDARD DETAILS**

DRAWING No.  
**SD-03**

**KEYNOTES:**

1. EXISTING WATER MAIN
2. SERVICE CONNECTION WET TAP BY DCDWM APPROVED CONTRACTOR
3. GATE VALVE (TYP.)
4. DOMESTIC WATER SERVICE METER
5. DOMESTIC SERVICE BACKFLOW PREVENTION ASSEMBLY
6. IRRIGATION BACKFLOW PREVENTION ASSEMBLY
7. PUBLIC FIRE HYDRANT, (IF REQUIRED)
8. FIRE SERVICE BACKFLOW PREVENTION ASSEMBLY
9. IRRIGATION METER, (OPTIONAL AT ADDITIONAL SDC EXPENSE)
10. RIGHT-OF-WAY LINE
11. PERMANENT UTILITY EASEMENT, MINIMUM 5'-0" OUTSIDE OF FIRE SERVICE VAULT
12. PRIVATE HYDRANT OR FIRE DEPT. CONNECTION, (FDC). REFER TO NOTE 3

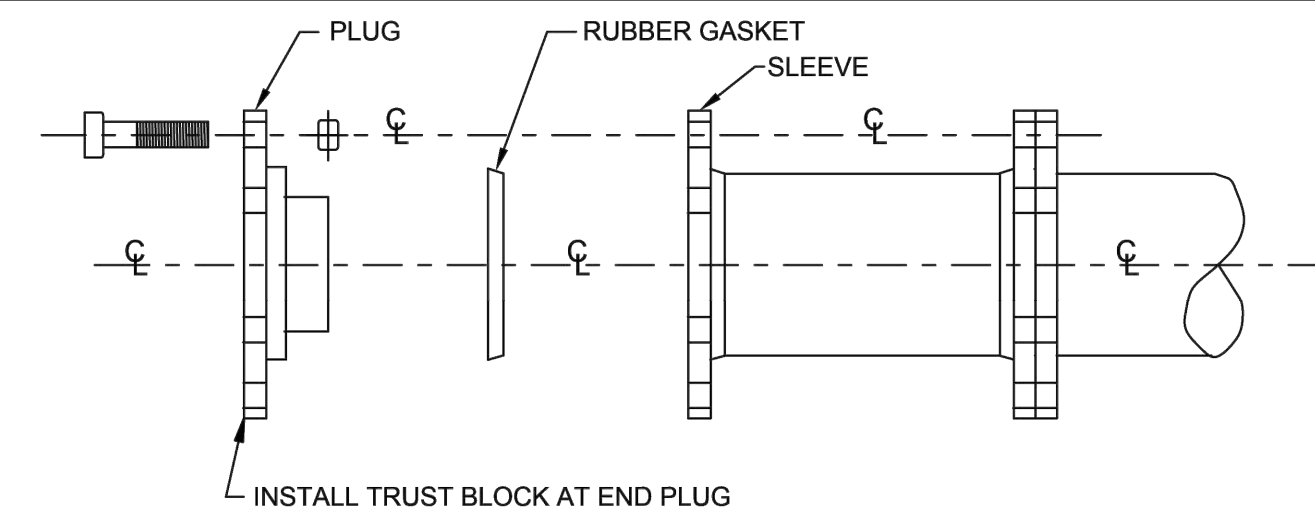
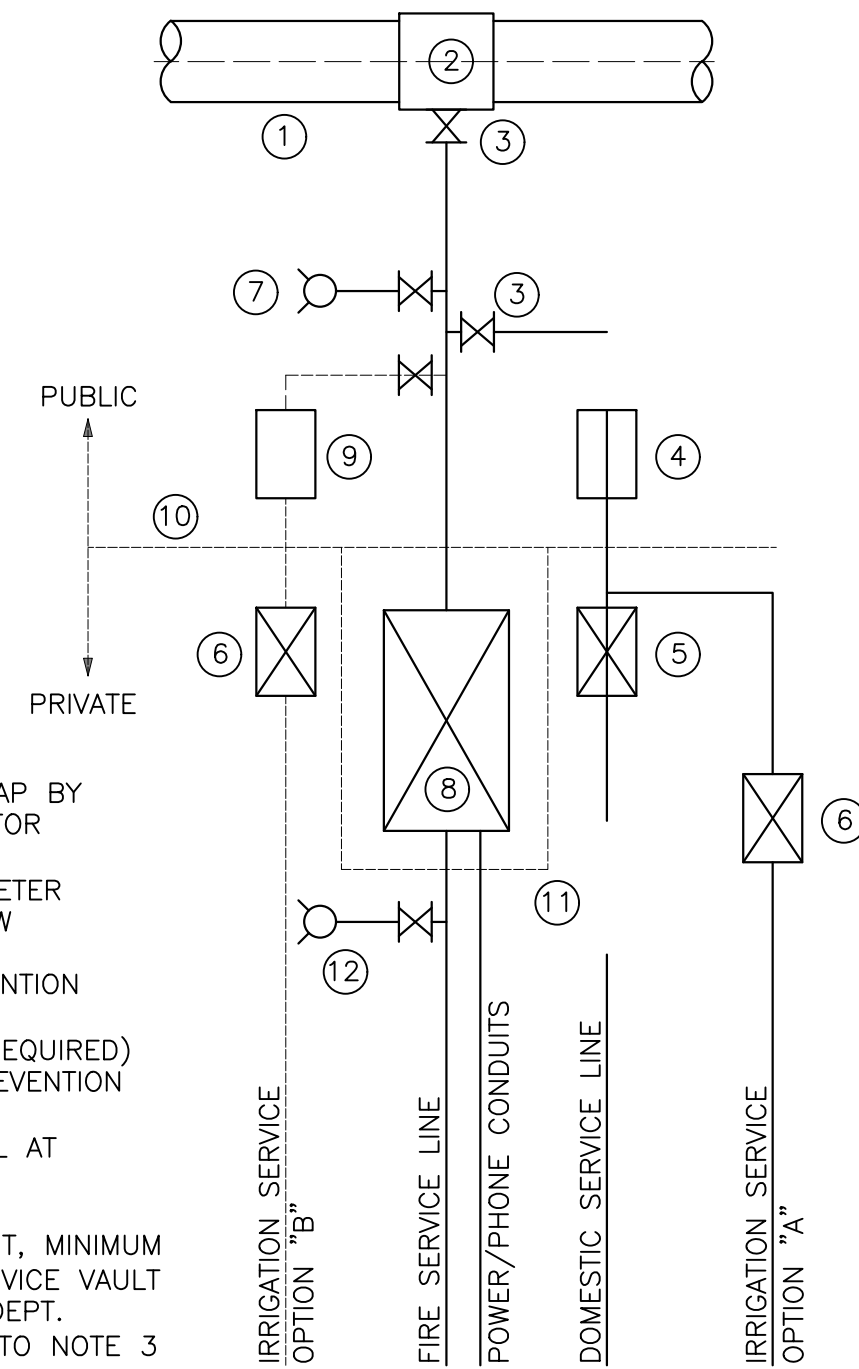
**NOTES:**

1. THE IRRIGATION SYSTEM SHALL BE CONNECTED DOWNSTREAM OF THE DOMESTIC SERVICE BACKFLOW PREVENTION ASSEMBLY (OPTION A) OR SHALL HAVE ITS OWN METER AND BACKFLOW ASSEMBLY (OPTION B).
2. DOMESTIC AND FIRE SERVICE LINES 3" AND LARGER SHALL BE DUCTILE IRON.
3. PRIVATE FDC OR HYDRANT MUST BE LOCATED ON THE CUSTOMER SIDE OF BACKFLOW DEVICE.

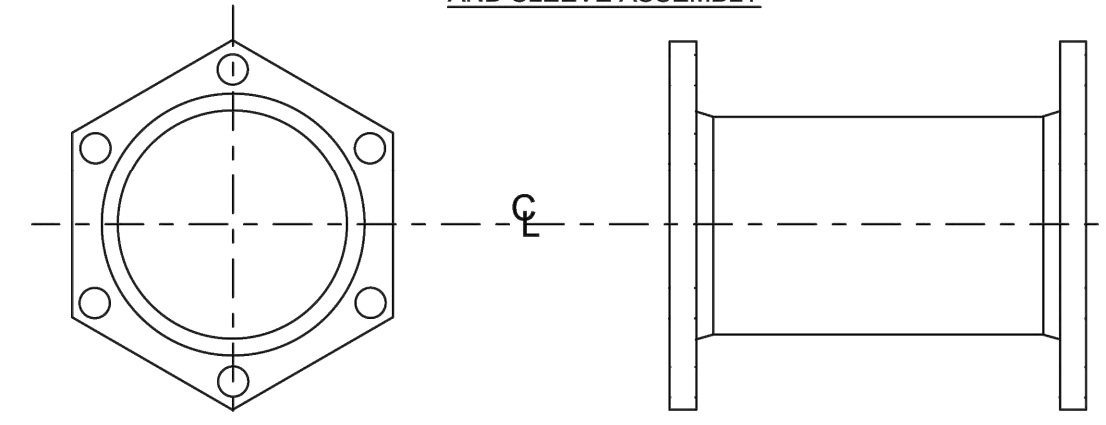
**TYPICAL COMMERCIAL / INDUSTRIAL SERVICE LAYOUT**

NTS

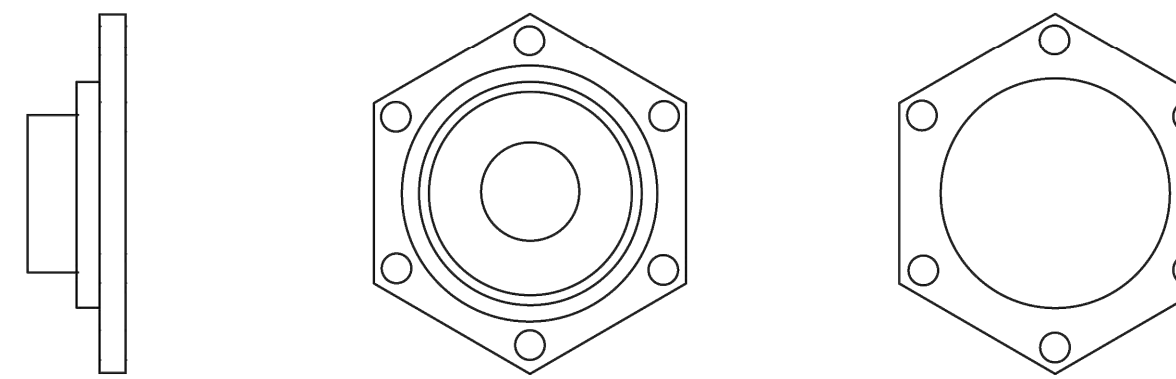
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SIDE VIEW OF END-OF-LINE PLUG AND SLEEVE ASSEMBLY



END VIEW OF SLEEVE SIDE VIEW OF SLEEVE  
END OF WATERLINE SLEEVE

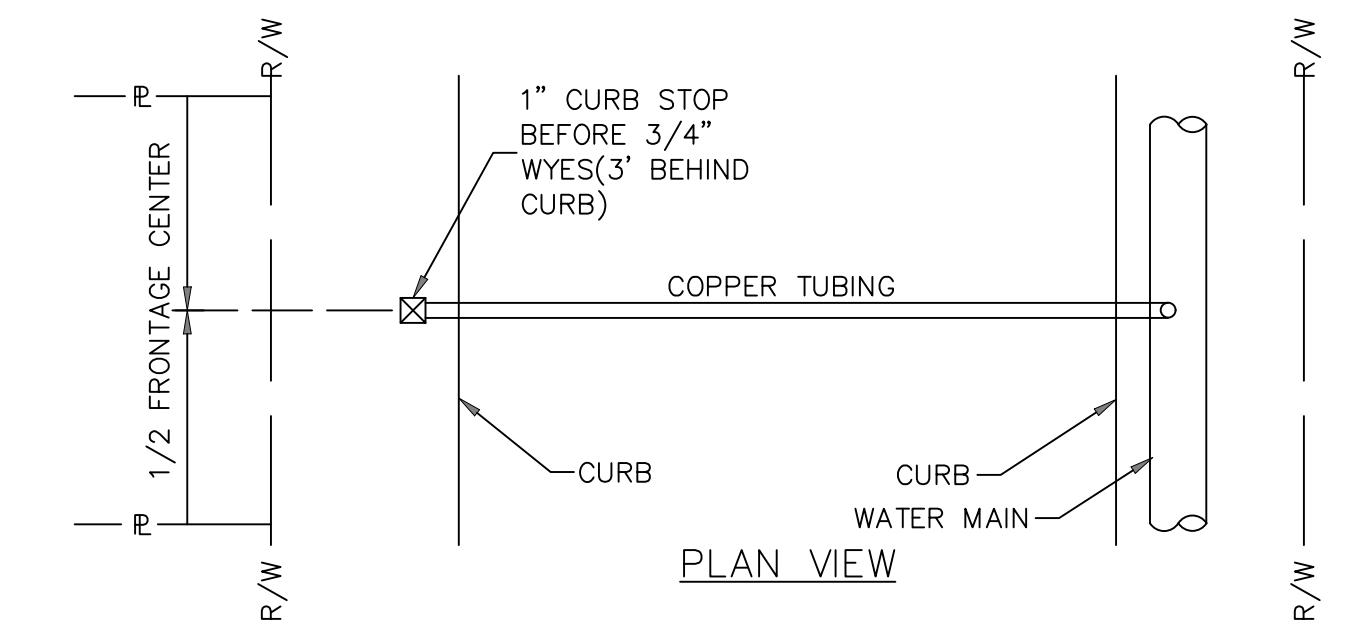


SIDE VIEW BOTTOM VIEW END OF WATERLINE PLUG TOP VIEW

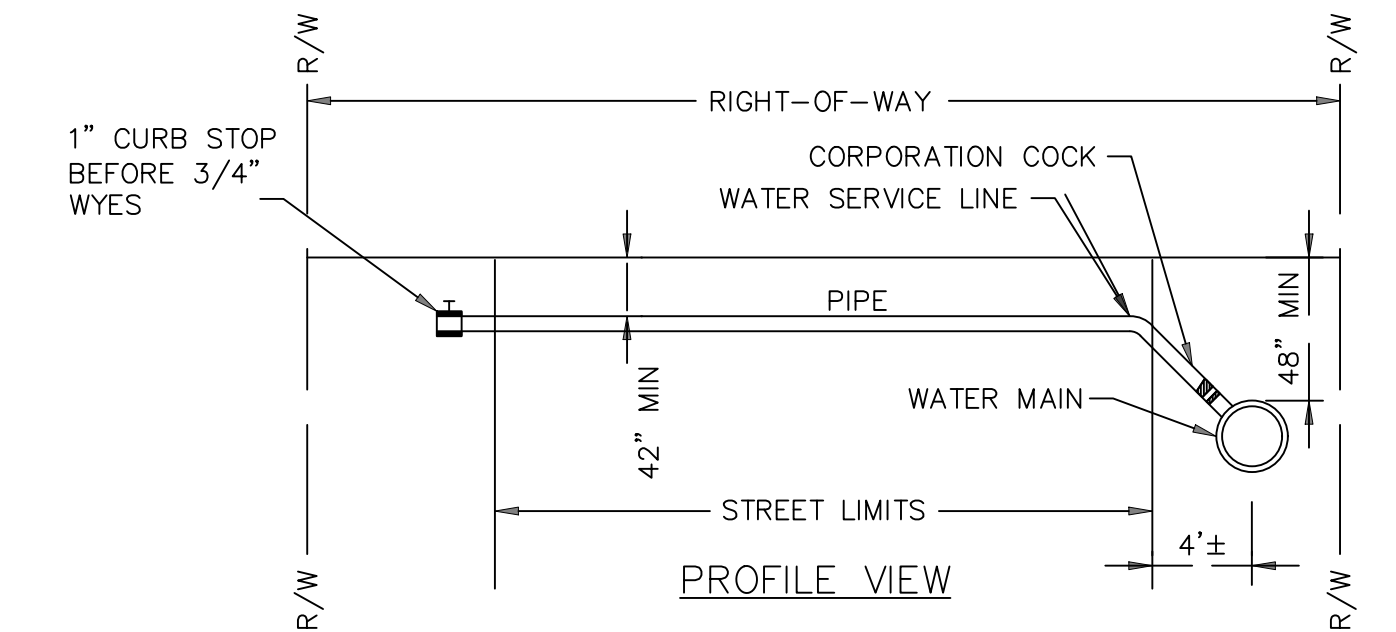
**END OF LINE PLUG & SLEEVE ASSEMBLY**

NTS

2



PLAN VIEW



PROFILE VIEW

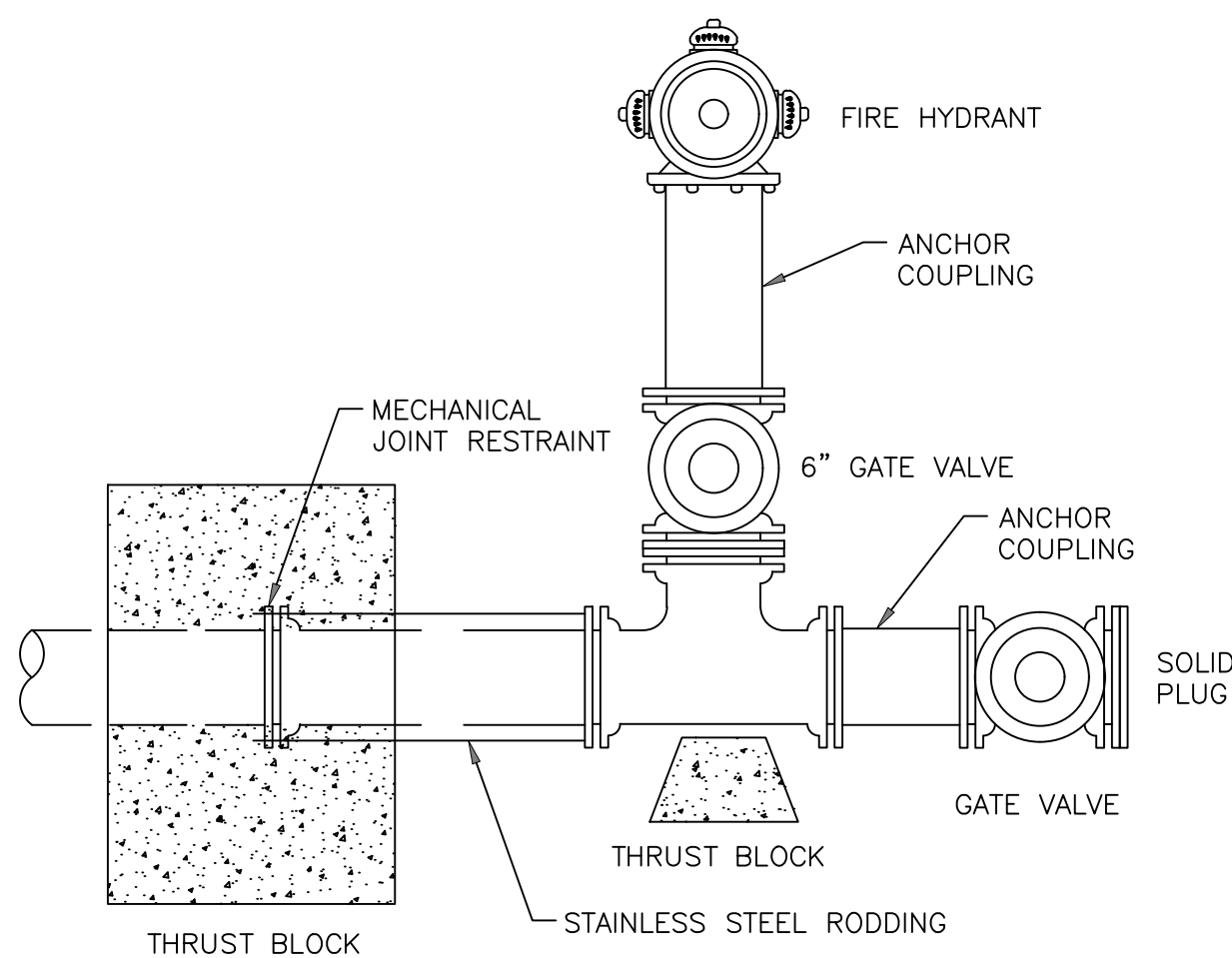
**NOTES:**

1. SERVICE LINES 1 INCH AND SMALLER SHALL BE INSTALLED USING COPPER TUBING WITH FLARE X MIPT.
2. LARGER SERVICE LINE MATERIAL SHALL BE AS SPECIFIED ON THE DRAWING, AND REQUIRES COUNTY APPROVAL.

**TYPICAL SERVICE LINE INSTALLATION**

NTS

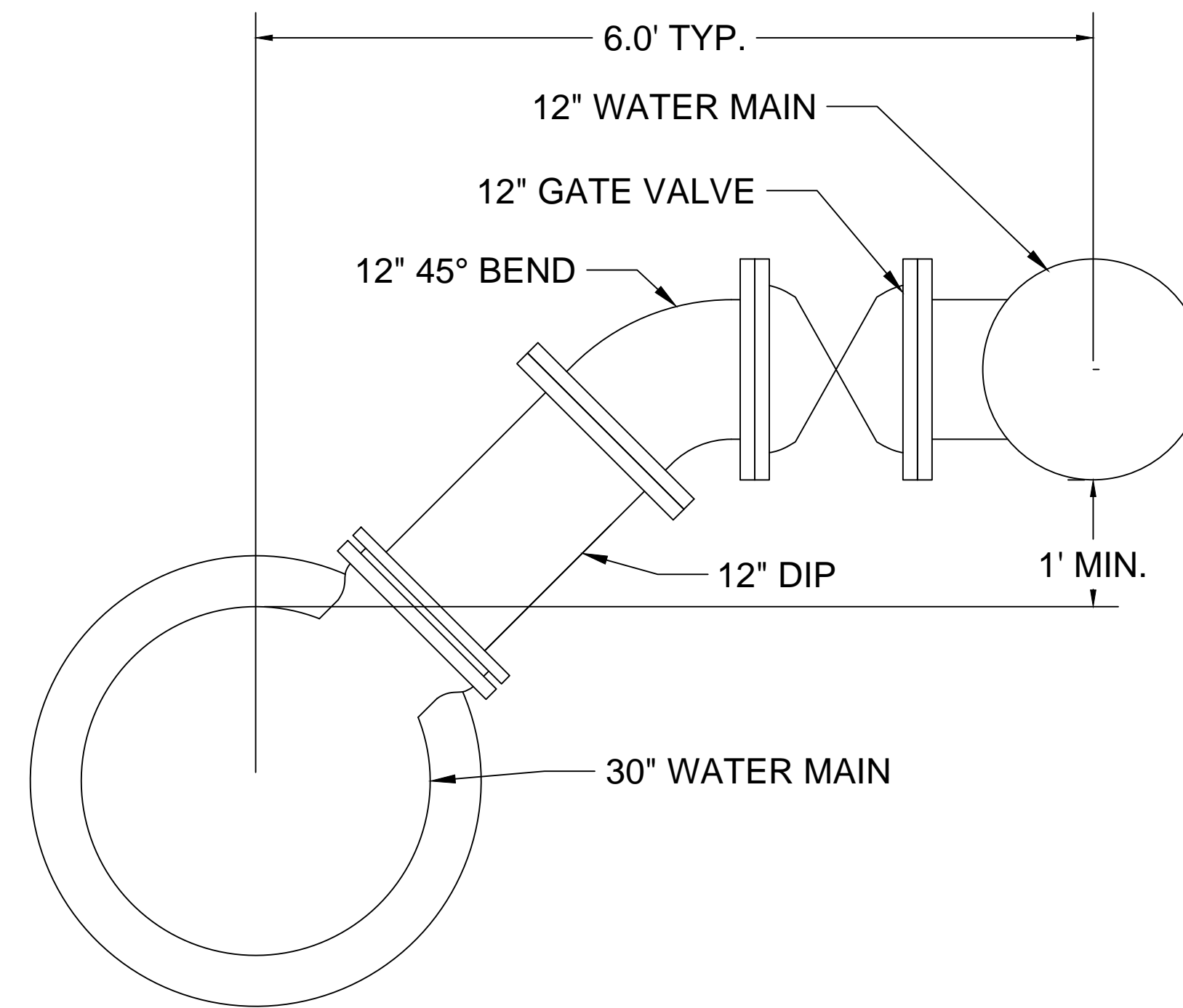
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**TYPICAL STUB-OUT**

NTS

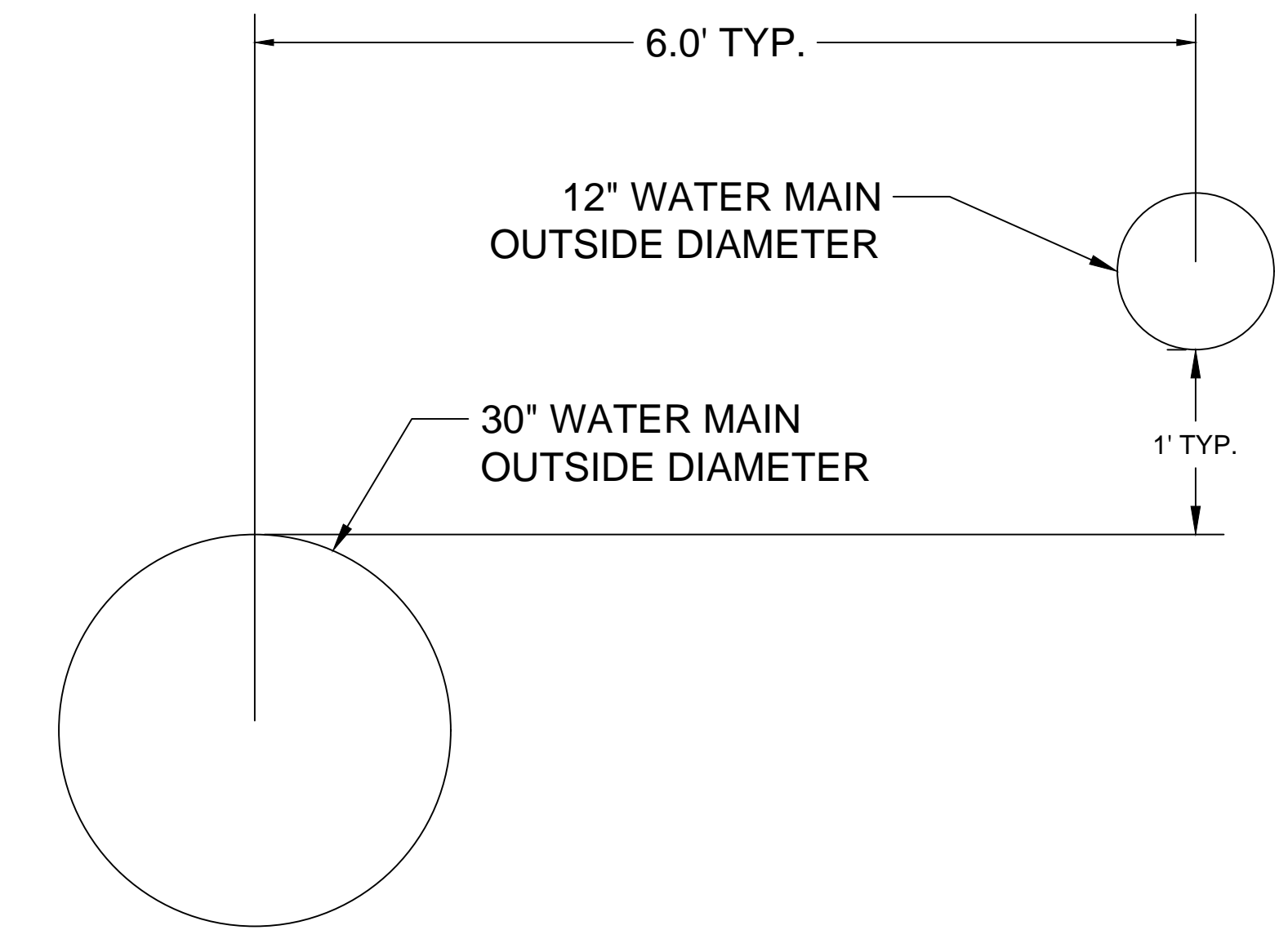
4



**30 x 12 INTERCONNECT DETAIL**

NTS

5



**NOTE:**

1. VARIANCES FROM THE 1' TYPICAL VERTICAL SEPARATION OF THE PROPOSED WATER MAINS ARE ACCEPTABLE AT UTILITY CROSSING WITH MINIMUM CLEARANCE REQUIREMENTS.

**TYPICAL SEPARATION DISTANCE DETAIL**

NTS

6

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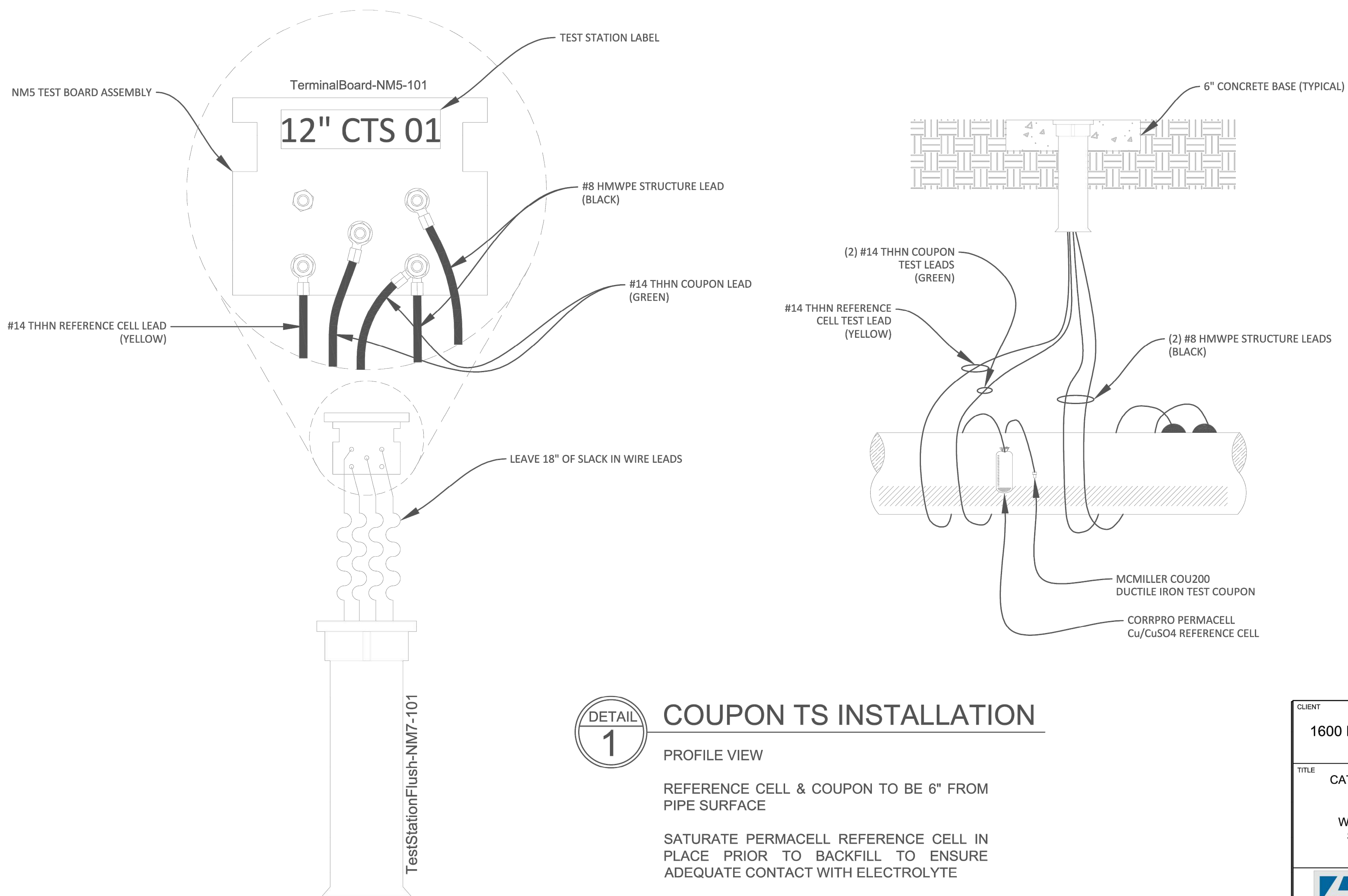
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SCOTT BOULEVARD PHASE II WATER MAIN REPLACEMENT PROJECT

**STANDARD DETAILS**

DRAWING No.  
**SD-04**

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DETAIL  
1

### COUPON TS INSTALLATION

PROFILE VIEW

REFERENCE CELL & COUPON TO BE 6" FROM PIPE SURFACE

SATURATE PERMACELL REFERENCE CELL IN PLACE PRIOR TO BACKFILL TO ENSURE ADEQUATE CONTACT WITH ELECTROLYTE

AT-GRADE TEST STATION LOCATION SHOULD BE PLACED WHERE MOST APPLICABLE FOR ACCESS FOR FUTURE SURVEYS

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TITLE		CATHODIC PROTECTION SYSTEM DESIGN  SCOTT BLVD PHASE II WATER MAIN REPLACEMENT PROJECT SECTION 1 - MARTA/CSX CROSSING DeKALB COUNTY, GEORGIA	
DRAFT DATE (YYYY.MM.DD)		DRAWN BY	
DESIGNED BY		CHECKED BY	
APPROVED BY		CLIENT DRAWING NO.	
PROJECT NO.		SCALE	
DRAWING NO.		SHEET NO.	
U20-B190101-C007		007 OF 07	
		REV. 1	



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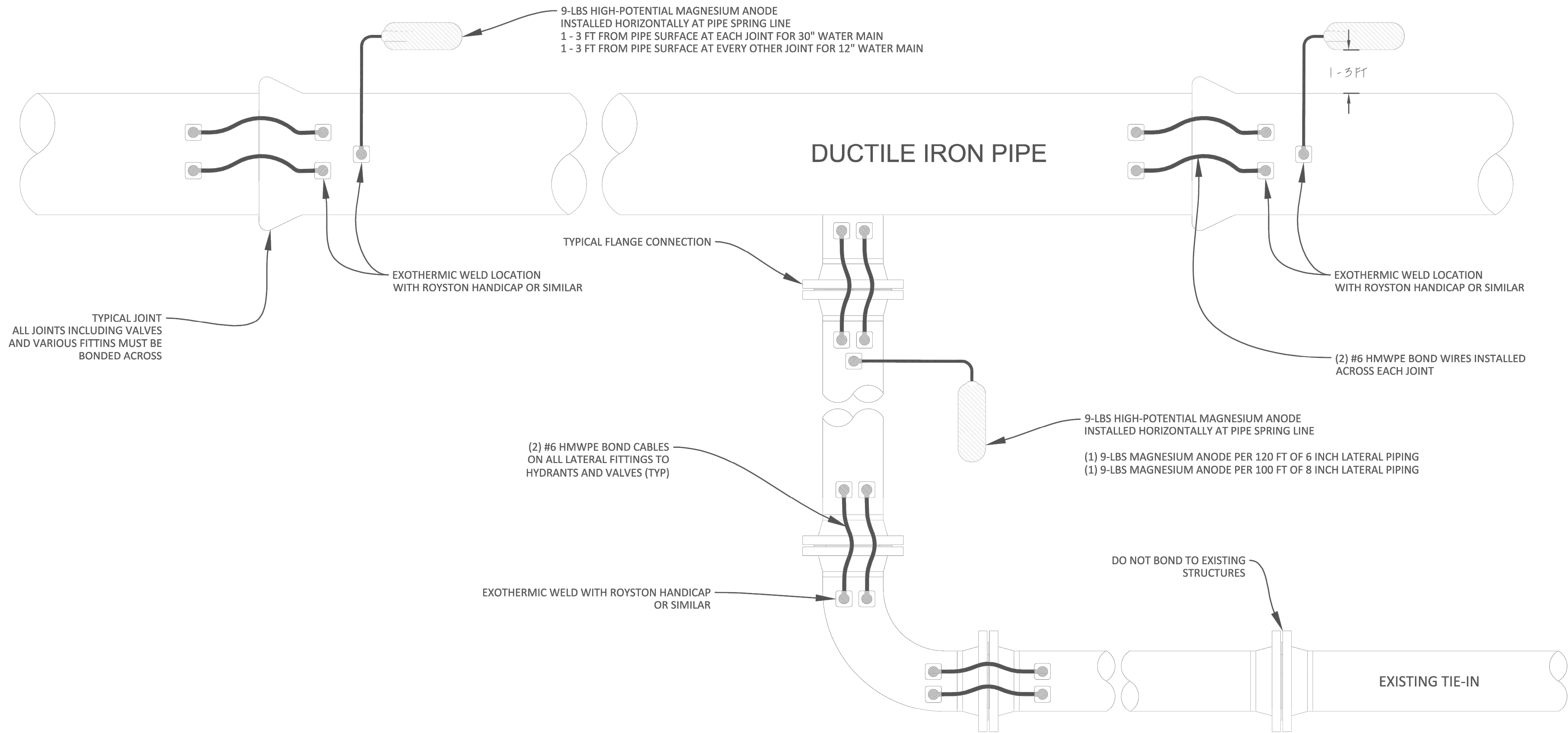
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SCOTT BOULEVARD PHASE II WATER MAIN REPLACEMENT PROJECT

**CATHODIC PROTECTION  
DETAILS**

DRAWING No.  
**SP-01**

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**DETAIL 2 BONDING INSTALLATION**

(2) #6 HMWPE BOND JUMPER WIRES TO BE INSTALLED ACROSS ALL JOINTS ON WATER MAIN AND PROPOSED LATERALS.

BOND JUMPERS ARE NOT TO BE INSTALLED ONTO EXISTING TIE-IN STRUCTURES

SINGLE 9-LBS ANODE PER 20 FT OF 30" MAIN  
SINGE 9-LBS ANODE PER 40 FT OF 12" MAIN

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PROJECT NO.		SCALE	
DRAWING NO.		SHEET NO.	
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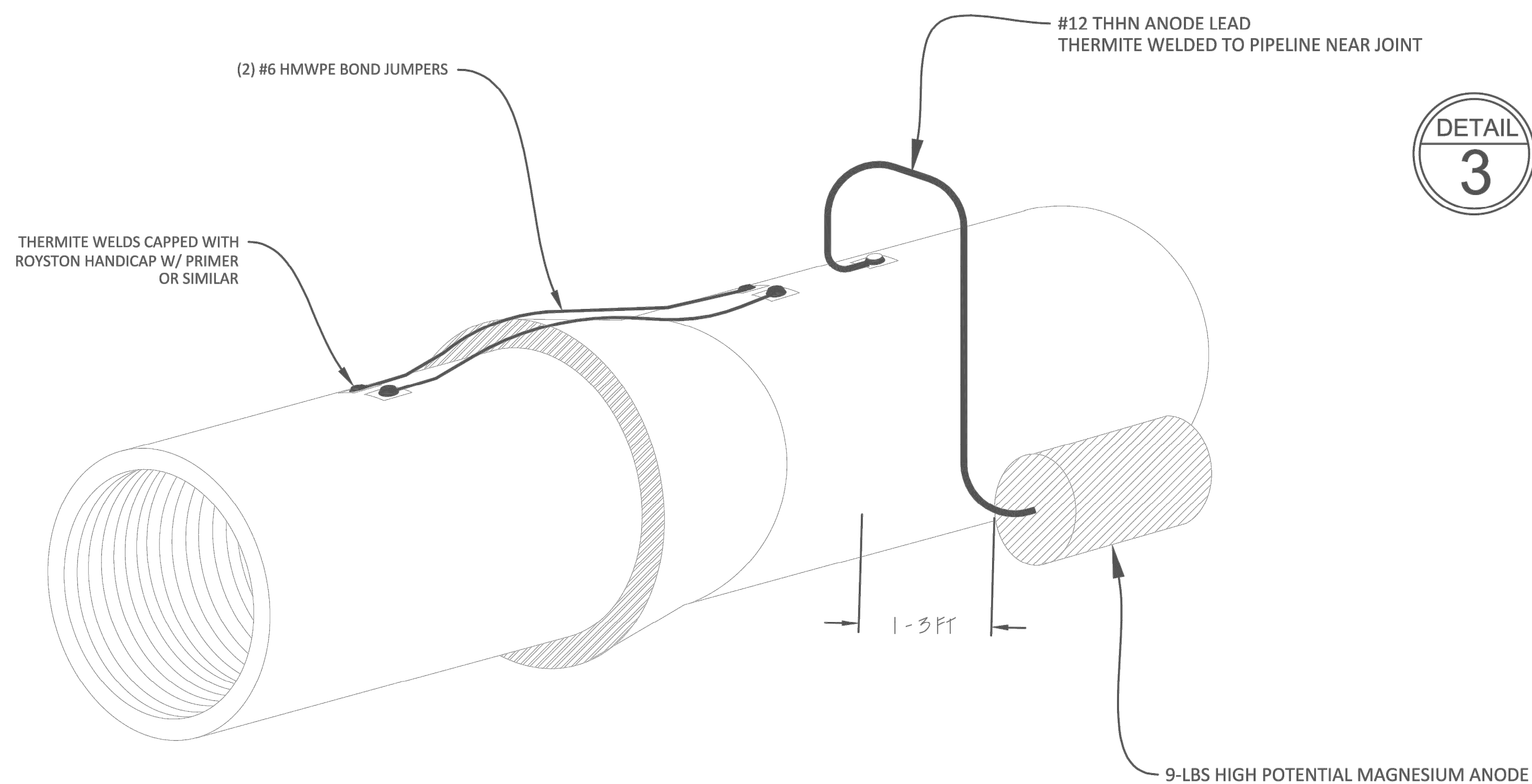


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SCOTT BOULEVARD PHASE II WATER MAIN REPLACEMENT PROJECT  
**CATHODIC PROTECTION  
DETAILS**  
DRAWING No. **SP-02**

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**DETAIL 3 JOINT/ANODE INSTALLATION**

(2) #6 HMWPE BOND JUMPER WIRES TO BE INSTALLED ACROSS ALL JOINTS ON WATER MAIN AND PROPOSED LATERALS.

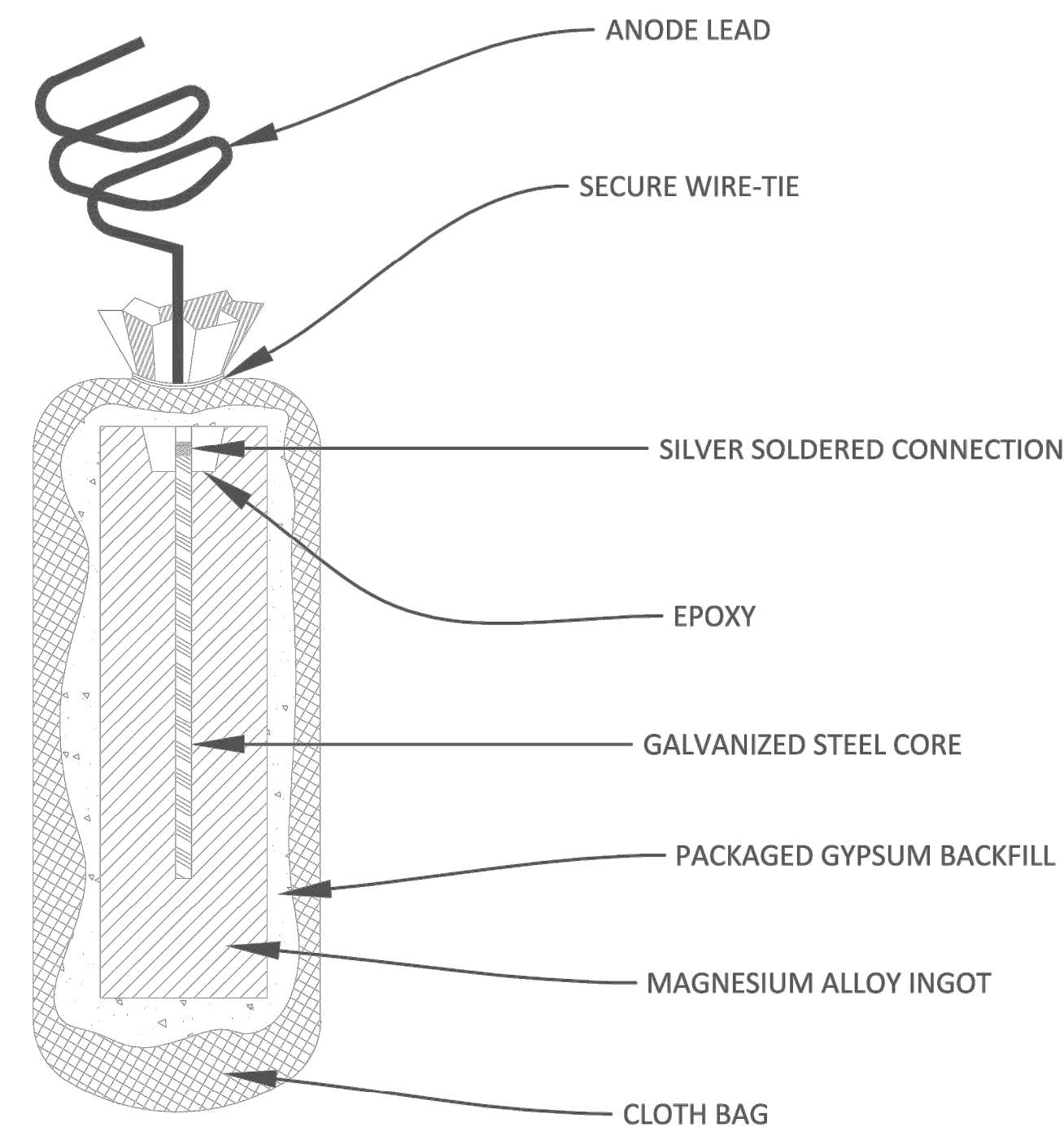
ANODE TO BE INSTALLED 1 - 3 FT FROM PIPELINE SURFACE AT PIPE SPRING LINE OR LOWER.

ANODE TO BE FULLY SATURATED WITH WATER IN PLACE PRIOR TO BACKFILL TO ENSURE ADEQUATE CONTACT WITH ELECTROLYTE

ANODE CLOTH BAG TO BE REMOVED FROM PLASTIC OR PAPER PACKAGING PRIOR TO INSTALLATION

SINGLE 9-LBS ANODE PER 20 FT OF 30" MAIN  
SINGE 9-LBS ANODE PER 40 FT OF 12" MAIN

**DETAIL 4 ANODE MATERIAL DETAIL**



CLIENT  
**ATKINS GLOBAL**  
1600 RIVEREDGE PARKWAY, SUITE 700  
ATLANTA, GA 30328

TITLE  
CATHODIC PROTECTION SYSTEM DESIGN  
  
SCOTT BLVD PHASE II  
WATER MAIN REPLACEMENT PROJECT  
SECTION 1 - MARTA/CSX CROSSING  
DeKALB COUNTY, GEORGIA



DRAFT DATE (YYYY.MM.DD)	2020.11.13	DRAWN BY	R. JORDAN
DESIGNED BY	R. JORDAN	CHECKED BY	S. PADDEN
APPROVED BY		CLIENT DRAWING NO.	
PROJECT NO.	340202399	SCALE	NTS
DRAWING NO.	U20-B190101-C009	SHEET NO.	009 OF 07
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**GENERAL NOTES:**

**1. CONTRACT DOCUMENTS AND SPECIFICATIONS:**

THE CONTRACTOR IS HEREBY NOTIFIED THAT ESSENTIAL AND PERTINENT INFORMATION REGARDING THE CONSTRUCTION AND COMPLETION OF WORK FOR THIS PROJECT IS CONTAINED IN THE CONTRACT DOCUMENTS AND SPECIFICATIONS; AND IT IS THE CONTRACTOR'S RESPONSIBILITY TO READ AND REVIEW THIS INFORMATION TO THEIR OWN SATISFACTION PRIOR TO PERFORMING ANY WORK; AND THAT ANY DEFICIENT, INCOMPLETE OR INCORRECT WORK SHALL BE REDONE TO MEET SAID REQUIREMENTS AT THE CONTRACTOR'S EXPENSE, SOLELY. ALL DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER IN WRITTEN FORM.

**2. SCOPE OF WORK**

THE WORK COVERED BY THIS PROJECT CONSISTS OF PROVIDING ALL LABOR, EQUIPMENT, SUPPLIES, TRANSPORTATION, HANDLING AND STORAGE, AND PERFORMING ALL SERVICES NECESSARY TO COMPLETE THE CONSTRUCTION AND INSTALLATION OF THE CATHODIC PROTECTION SYSTEMS.

**3. SAFETY**

CONTRACTOR AGREES THAT THEY SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOBSITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY, AND THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD WOOD PLC AND ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT EXCEPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF WOOD PLC OR THE ENGINEER.

**4. EXISTING UNDERGROUND UTILITIES**

THE CONTRACTOR SHALL TAKE PRECAUTIONARY MEASURES TO PROTECT EXISTING UTILITIES AND ANY OTHER STRUCTURES WHICH MAY NOT BE OF RECORD OR SHOWN ON THESE PLANS. THE CONTRACTOR SHALL MAKE EXPLORATORY EXCAVATIONS TO LOCATE EXISTING UNDERGROUND FACILITIES PRIOR TO CONSTRUCTION.

**5. APPLICABLE STANDARDS**

COMPLY WITH THE NATIONAL ELECTRICAL CODE AND ALL STATE, CITY, AND LOCAL CODES, NFPA REGULATIONS, OSHA REQUIREMENTS, SAFETY CODES, AND REGULATIONS. THIS INCLUDES BUT IS NOT LIMITED TO:

- 5.1. NFPA 70, NATIONAL ELECTRIC CODE - NEC
- 5.2. ANSI C2, NATIONAL ELECTRICAL SAFETY CODE - NESC

ALL ELECTRICAL MATERIAL RATED 600 VOLTS AND BELOW SHALL BE LABELED BY UL (UNDERWRITERS LABORATORIES) OR CSA WITH NRTL (NATIONAL REGISTER TESTING LABORATORY) LABEL.

**6. EQUIPMENT, MATERIALS, AND WORKMANSHIP**

IT IS THE INTENT OF THESE DOCUMENTS TO ESTABLISH QUALITY STANDARDS FOR ALL EQUIPMENT AND MATERIALS, AND TO ENSURE FIRST CLASS WORKMANSHIP. ALL EQUIPMENT AND MATERIALS SHALL BE NEW OF THE HIGHEST QUALITY AVAILABLE. QUALIFIED, EXPERIENCED PERSONNEL WORKING UNDER CONTINUOUS AND COMPETENT SUPERVISION SHALL ACCOMPLISH ALL WORK. THE WORKMANSHIP SHALL BE OF THE HIGHEST GRADE AND SHALL BE IN STRICT ACCORDANCE WITH INSTALLATION INSTRUCTIONS AND RECOMMENDATIONS MADE BY THE MANUFACTURERS OF THE EQUIPMENT AND MATERIALS USED. ALL EQUIPMENT AND MATERIALS SHALL BE HANDLED WITH EXTREME CARE WHEN BEING MOVED OR TRANSPORTED, IN ORDER TO PREVENT DAMAGE.

**7. TESTING**

THE COMPLETED CATHODIC PROTECTION SYSTEMS INCLUDING THE NEGATIVE CONNECTIONS, ANODE INSTALLATION, RECTIFIER INSTALLATION, AND ALL OTHER ASSOCIATED ITEMS SHALL BE INSPECTED, CHECKED, AND TESTED BY A QUALIFIED CORROSION PROFESSIONAL. ANY SYSTEM DISCREPANCIES OR MALFUNCTIONS FOUND DURING TESTING THAT ARE DETERMINED TO BE THE DIRECT RESULT OF UNAUTHORIZED CONSTRUCTION OR INSTALLATION PROCEDURES, DEPARTURES FROM THE DESIGN, WILLFUL OR UNWILLFUL NEGLIGENCE, ERRORS IN JUDGEMENT BY THE CONTRACTOR'S PERSONNEL, OR ANY OTHER SUCH REASON, THE DISCREPANCIES AND/OR MALFUNCTIONS SHALL BE COMPLETELY CORRECTED AT THE CONTRACTOR'S SOLE EXPENSE.

**8. SITE CLEANUP AND RESTORATION**

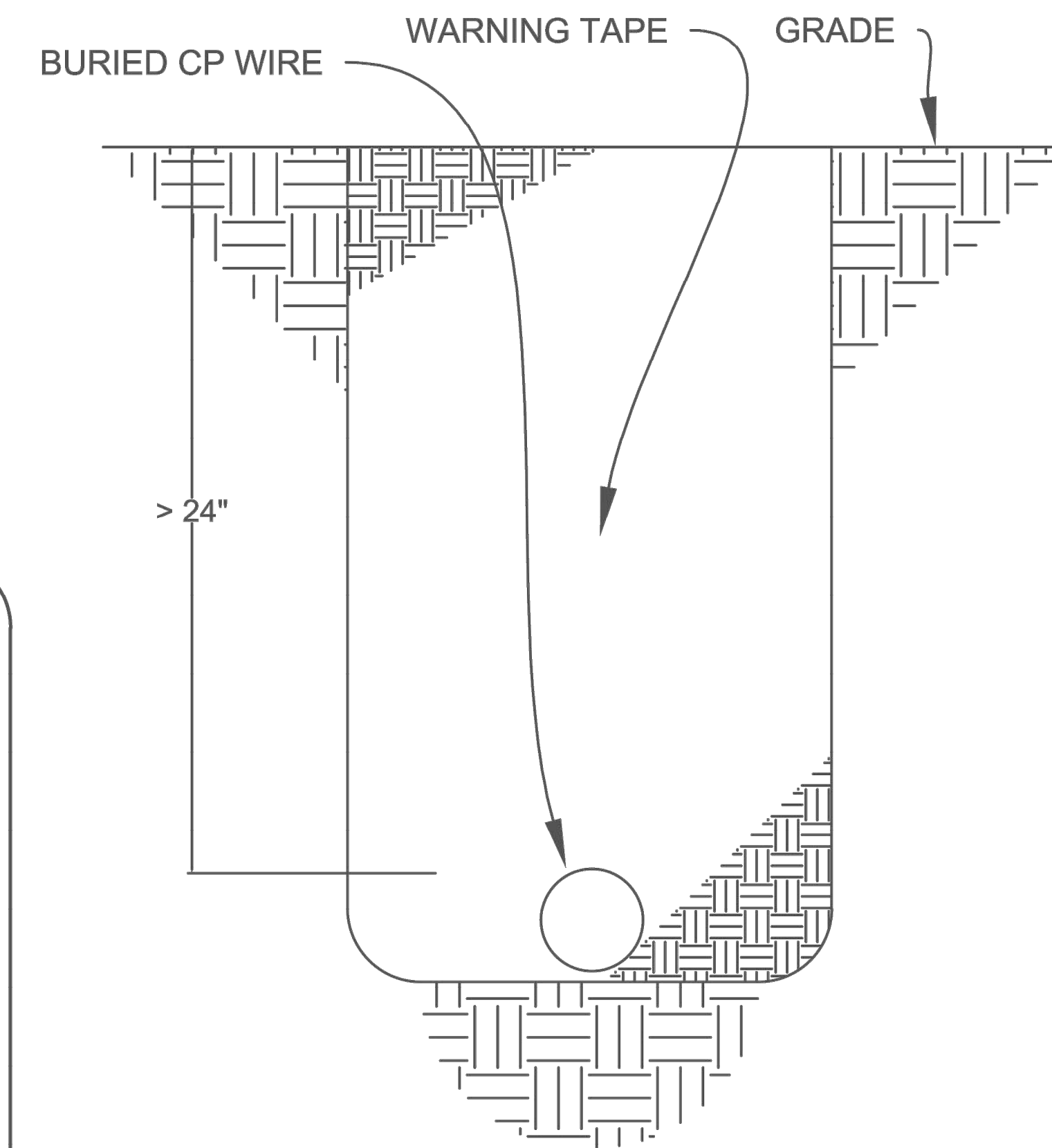
THE CONTRACTOR IS RESPONSIBLE FOR CLEAN UP AND RESTORATION OF THE PROJECT SITE INCLUDING PAVEMENT REPAIR IF APPLICABLE AND SPOILS REMOVAL TO THE ACCEPTANCE OF THE PCS REPRESENTATIVE.

**9. COORDINATION**

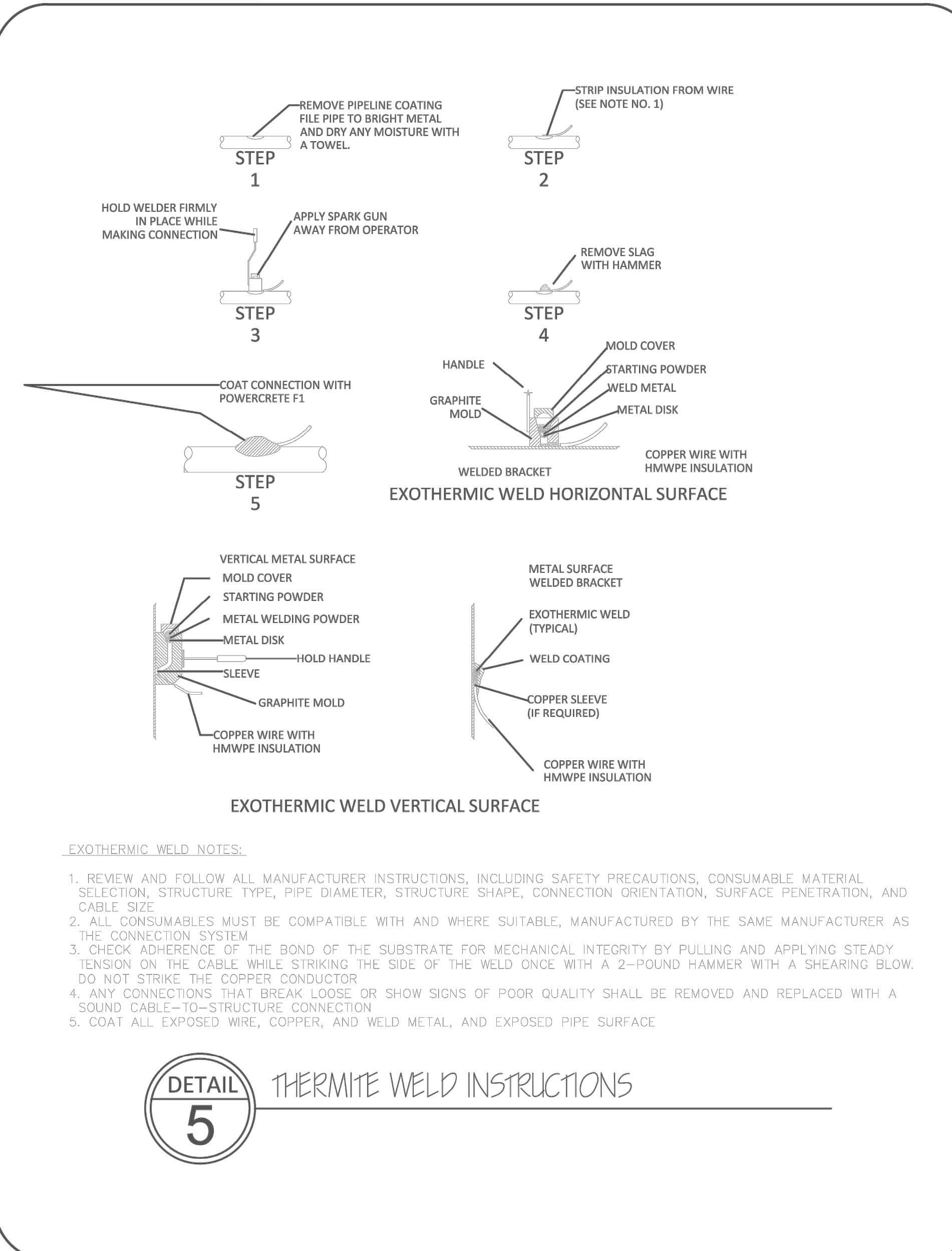
COORDINATE ALL WORK WITH THE APPROPRIATE PROJECT CONSULTING SERVICES REPRESENTATIVES, AND WITH ALL OTHER TRADES.

**CONSTRUCTION NOTES:**

1. CONTRACTOR SHALL MAINTAIN THE WORK AREA IN A NEAT, SAFE, CLEAN AND SANITARY CONDITION AT ALL TIMES AND TO THE SATISFACTION OF PROJECT CONSULTING SERVICES. STREETS SHALL BE KEPT CLEAN OF DEBRIS, WITH DUST AND OTHER NUISANCES BEING CONTROLLED AT ALL TIMES. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR ANY CLEAN-UP ON ADJACENT STREETS AFFECTED BY THIS CONSTRUCTION.
2. ALL EQUIPMENT AND MATERIALS SHALL BE PROPERLY STORED. ALL EXCESS EXCAVATED SOIL AND MATERIALS SHALL BE REMOVED AND DISPOSED OF IN A PROPER AND LEGAL MANNER BY THE CONTRACTOR. ALL DISTURBED SURFACES SHALL BE SHAPED TO FACILITATE DRAINAGE & AVOID PONDING AND RESTORED TO NEAR NATURAL OR PRE-CONSTRUCTION CONDITIONS.
3. ALL DEBRIS CREATED BY THE INSTALLATION OPERATIONS SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE DISPOSED OF AWAY FROM THE JOB SITE IN A MANNER AND AT A LOCATION ACCEPTABLE TO PCS.
4. ACTUAL ANODE LOCATIONS TO BE FIELD VERIFIED AND ANODES COULD BE MOVED FROM THE LOCATIONS SHOWN IN THE DRAWINGS.
5. TEST STATIONS ARE TO BE CLEARLY LABELED INCLUDING WIRE TAG OR IDENTIFICATION STICKER FOR SUBJECT STRUCTURE, COUPON AND REF CELL.
6. PROPER THERMITE WELD MATERIAL IS TO BE USED ON EACH PIPELINE.



**DETAIL 6** CABLE TRENCH ( TYP. )  
DIRECT BURIAL CP WIRE TO HAVE 24" MINIMUM COVER. WARNING TAPE TO BE PLACED 12" ABOVE CABLE.





- EXOTHERMIC WELD NOTES:**
1. REVIEW AND FOLLOW ALL MANUFACTURER INSTRUCTIONS, INCLUDING SAFETY PRECAUTIONS, CONSUMABLE MATERIAL SELECTION, STRUCTURE TYPE, PIPE DIAMETER, STRUCTURE SHAPE, CONNECTION ORIENTATION, SURFACE PENETRATION, AND CABLE SIZE.
  2. ALL CONSUMABLES MUST BE COMPATIBLE WITH AND WHERE SUITABLE, MANUFACTURED BY THE SAME MANUFACTURER AS THE CONNECTION SYSTEM.
  3. CHECK ADHERENCE OF THE BOND OF THE SUBSTRATE FOR MECHANICAL INTEGRITY BY PULLING AND APPLYING STEADY TENSION ON THE CABLE WHILE STRIKING THE SIDE OF THE WELD ONCE WITH A 2-POUND HAMMER WITH A SHEARING BLOW. DO NOT STRIKE THE COPPER CONDUCTOR.
  4. ANY CONNECTIONS THAT BREAK LOOSE OR SHOW SIGNS OF POOR QUALITY SHALL BE REMOVED AND REPLACED WITH A SOUND CABLE-TO-STRUCTURE CONNECTION.
  5. COAT ALL EXPOSED WIRE, COPPER, AND WELD METAL, AND EXPOSED PIPE SURFACE.

**DETAIL 5** THERMITE WELD INSTRUCTIONS

**SAFETY ALERT:** THIS DOCUMENT DOES NOT REFLECT ACTUAL SITE OR SUBSURFACE CONDITIONS AND SHALL NOT BE RELIED UPON FOR THE LOCATION OF ANY UTILITIES, CURRENTS, HAZARDS OR OTHER CONDITIONS WHERE THE WORK IS TO BE PERFORMED. UNDERGROUND STRUCTURES AND UTILITIES MAY BE PRESENT WHICH ARE NOT DOCUMENTED OR LOCATED. THIS DOCUMENT IS FURTHER SUBJECT TO ALL SAFETY NOTES SET FORTH HEREIN.

**NOTICE:** THIS DOCUMENT IS PRELIMINARY, PREPARED FOR A LIMITED PURPOSE, IN RELIANCE UPON INFORMATION PROVIDED BY OTHERS, AND INTENDED FOR SPECIFIC APPLICATION UNDER CERTAIN CONDITIONS. THIS DOCUMENT, AND ANY DESIGNS OR DETAILS, ARE THE PROPERTY OF CORRPRO COMPANIES, INC. AND SHALL NOT BE COPIED, REPRODUCED, TRANSMITTED, MODIFIED, RELIED UPON OR USED FOR ANY PURPOSE WITHOUT THE PRIOR EXPRESS WRITTEN PERMISSION OF CORRPRO. CORRPRO DOES NOT WARRANT THE ACCURACY OF INFORMATION DEPICTED AND ASSUMES NO LIABILITY FOR ANY UNAUTHORIZED COPY, REPRODUCTION, TRANSMITTAL, MODIFICATION, RELIANCE OR USE HEREOF. ANY USE REQUIRES AN INDEPENDENT DETERMINATION BY A QUALIFIED DESIGN PROFESSIONAL OF THE ACCURACY AND SUITABILITY OF ANY DATA, DESIGN, DETAIL OR INFORMATION TO THE APPLICATION AND CONDITIONS. FAILURE TO COMPLY MAY RESULT IN PROPERTY DAMAGE OR PERSONAL INJURY FOR WHICH CORRPRO SHALL HAVE NO LIABILITY. ELECTRONIC TRANSMISSION MAY RESULT IN ERRORS FOR WHICH CORRPRO ASSUMES NO LIABILITY.

<b>CLIENT</b>		ATKINS GLOBAL 1600 RIVEREDGE PARKWAY, SUITE 700 ATLANTA, GA 30328	
<b>TITLE</b>		CATHODIC PROTECTION SYSTEM DESIGN  SCOTT BLVD PHASE II WATER MAIN REPLACEMENT PROJECT SECTION 1 - MARTA/CSX CROSSING DeKALB COUNTY, GEORGIA	
			
<b>Stronger. Safer. Infrastructure.®</b>			
DRAFT DATE (YYYY.MM.DD)	2020.11.13	DRAWN BY	R. JORDAN
DESIGNED BY	R. JORDAN	CHECKED BY	S. PADDEN
APPROVED BY		CLIENT DRAWING NO.	
PROJECT NO.	340202399	SCALE	NTS
DRAWING NO.	U20-B190101-C010	SHEET NO.	010 OF 07
		REV.	1

100% SUBMITTAL

ATKINS NORTH AMERICA INC.  
CERTIFICATE OF AUTHORIZATION # PEF000902  
EXPIRATION DATE: 06/30/2022

**ATKINS**  
1600 Riveredge Parkway, Suite 700  
Atlanta, Ga 30328  
P: 770-933-0280



REVISION DATES		
REV	DATE	BY

DEKALB COUNTY DWM  
SCOTT BOULEVARD PHASE II WATER MAIN REPLACEMENT PROJECT

**CATHODIC PROTECTION  
DETAILS**

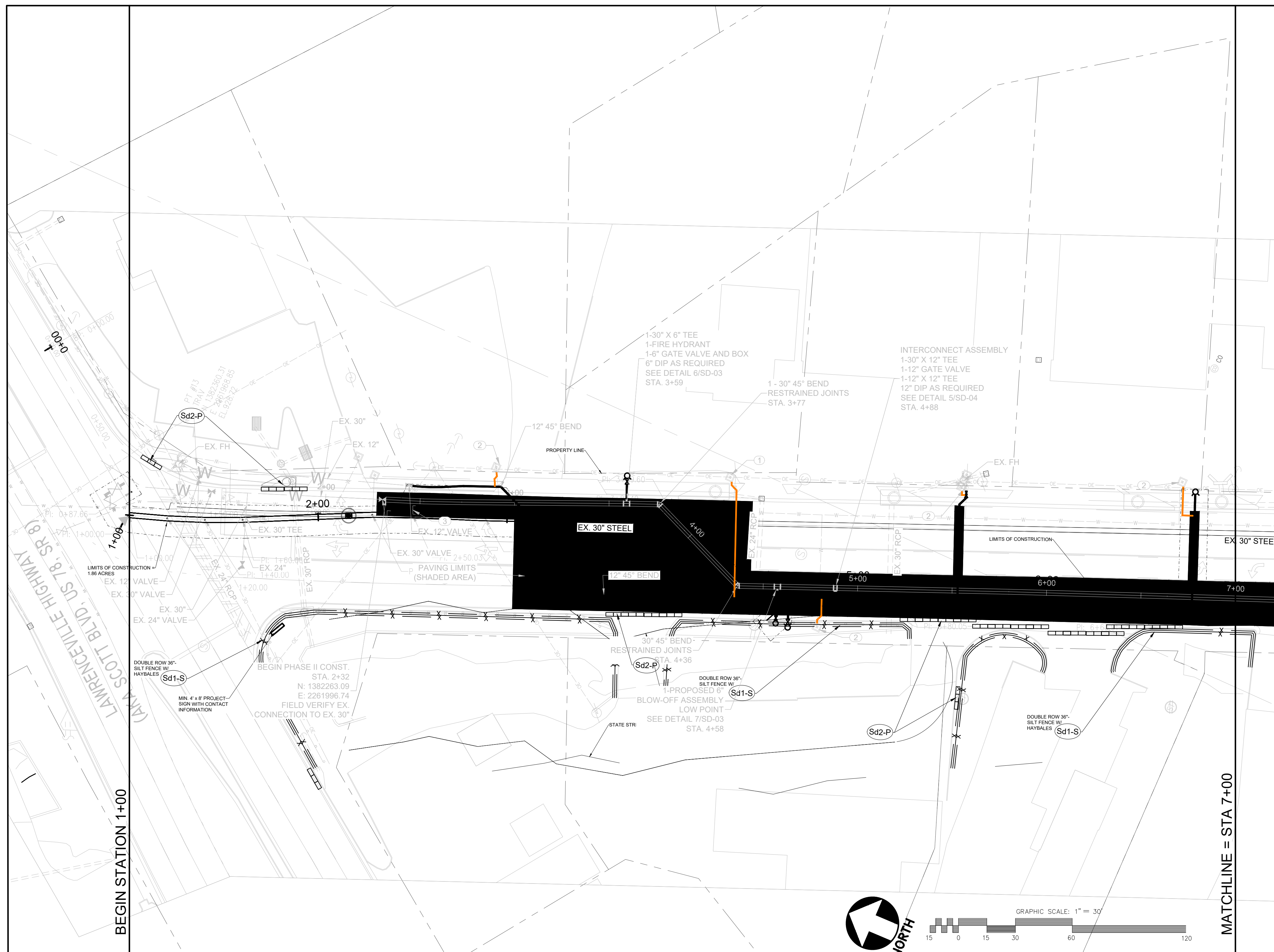
DRAWING No.  
**SP-04**

# EROSION AND SEDIMENT CONTROL NOTES:

- A. THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION AND SEDIMENT CONTROL MEASURES AND PRACTICES PRIOR TO, OR CONCURRENT WITH, LAND DISTURBING ACTIVITIES.
- B. EROSION CONTROL MEASURES WILL BE MAINTAINED AT ALL TIMES. IF FULL IMPLEMENTATION OF THE APPROVED PLAN DOES NOT PROVIDE FOR EFFECTIVE EROSION CONTROL, ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED TO CONTROL OR TREAT THE SEDIMENT SOURCE.
- C. ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSTALLED IF DETERMINED NECESSARY BY ON-SITE INSPECTION.
- D. ANY DISTURBED AREA LEFT EXPOSED FOR A PERIOD GREATER THAN 14 DAYS SHALL BE STABILIZED WITH MULCH OR TEMPORARY SEEDING; DISTURBED AREAS IDLE FOR 30 DAYS SHALL BE STABILIZED WITH PERMANENT VEGETATION.
- E. EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSPECTED DAILY, AND REPAIRED AS NECESSARY.
- F. CUT AND FILL SLOPES SHALL NOT EXCEED 3H:1V ON RESIDENTIAL PROJECTS AND SHALL NOT EXCEED 2H:1V ON ALL OTHER PROJECTS.
- G. WEEKLY EROSION AND SEDIMENT CONTROL REPORTS SHALL BE SUBMITTED TO THE DEVELOPMENT DEPARTMENT STARTING WITH THE ISSUANCE OF THE DEVELOPMENT PERMIT AND ENDING WHEN THE PROJECT IS RELEASED BY THE INSPECTOR.
- H. SILT FENCE SHALL MEET THE REQUIREMENTS OF SECTION 171-TYPE A AND TYPE C TEMPORARY SILT FENCE, OF THE GEORGIA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS.
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- N. THE PROJECT SHALL BE STABILIZED BY THE END OF EACH DAY WITH TEMPORARY OR PERMANENT STABILIZATION MEASURES.
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## EROSION CONTROL LEGEND

CODE	PRACTICE	DETAIL	SYMBOL
Du	DUST CONTROL ON DISTURBED AREAS	WATER/CHEMICAL TREATMENT AS REQUIRED	Du
Ds1	MULCHING ONLY	EC-15	Ds1
Ds2	TEMPORARY SEEDING	EC-15	Ds2
Ds3	PERMANENT VEGETATION	EC-15	Ds3
Ds4	WITH SODDING	EC-15	Ds4
Co	CRUSHED STONE CONSTRUCTION ENTRANCE	EC-15	Co
Sd1-NS	SILT FENCE (TYPE 'A' TYP.) NON-SENSITIVE AREAS	EC-15	Sd1-NS
Sd1-S	DOUBLE SILT FENCE (TYPE 'C' TYP.) SENSITIVE AREAS	EC-15	Sd1-S
Sd2-P	CURB/DROP INLET FILTER "PIGS IN BLANKET"	EC-15	Sd2-P



**GSWCC** GEORGIA SOIL AND CONSERVATION COMMISSION

**MR. MARK D. COOKE, PE**  
Level II Certified Design Professional

CERTIFICATION NUMBER: 0000029484  
ISSUED: 11/06/2018 EXPIRES: 11/06/2021

**24 HR EMERGENCY CONTACT**

JULIO TRINIDAD  
DEKALB COUNTY DWM  
(404) 687-3457

TOTAL DISTURBED  
1.86 AC

100% SUBMITTAL



**ATKINS**  
1600 Riveredge Parkway, Suite 700  
Atlanta, Ga 30328  
P: 770-933-0280



REVISION DATES		
REV	DATE	BY
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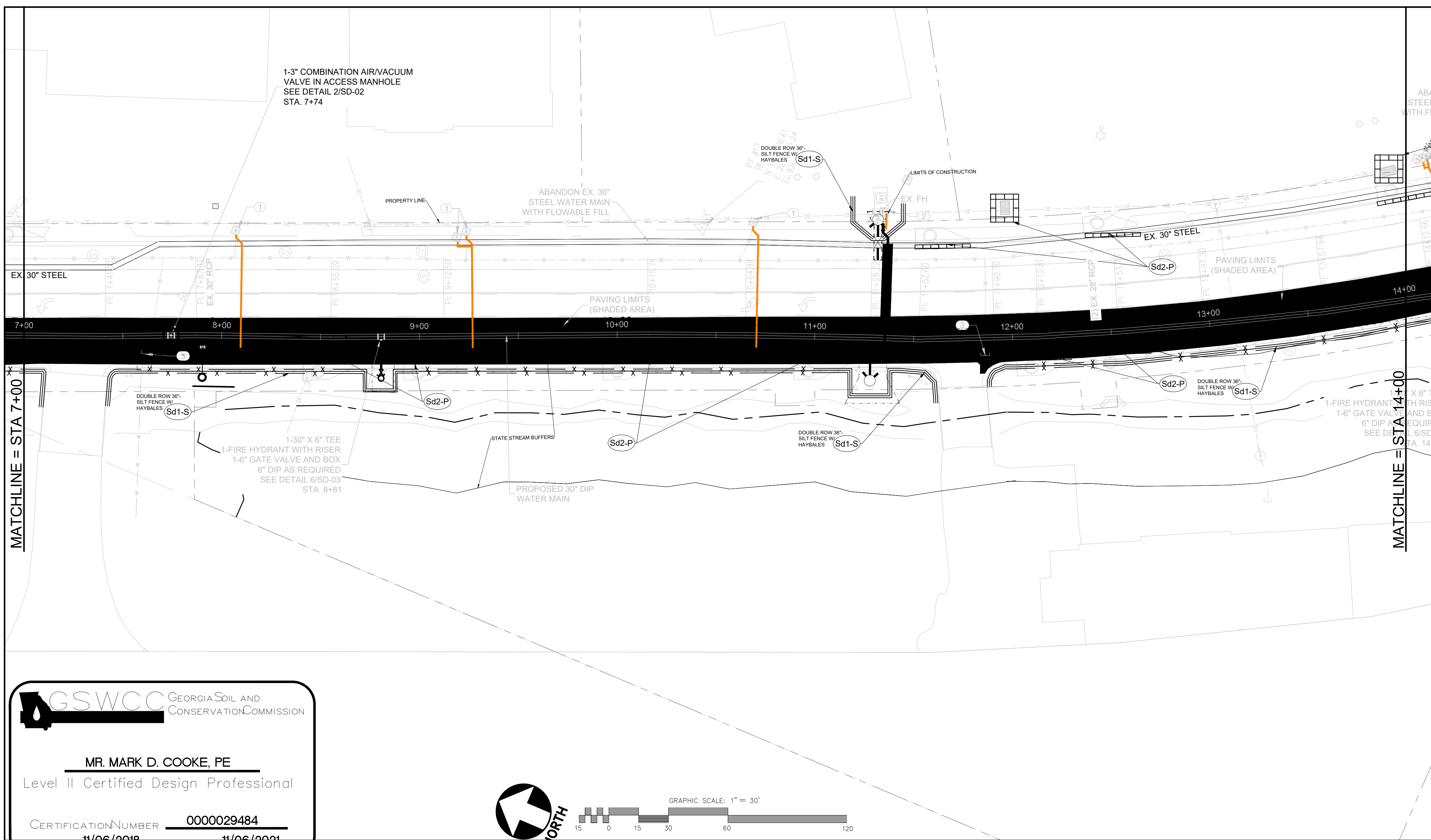
DEKALB COUNTY DWM  
SCOTT BOULEVARD WATER MAIN REPLACEMENT-PHASE II  
30-IN WATER LINE UNDER MARTA/CSX RAILROAD CROSSING

## EROSION CONTROL PLAN

DRAWING No.  
**EC-01**

# EROSION AND SEDIMENT CONTROL NOTES:

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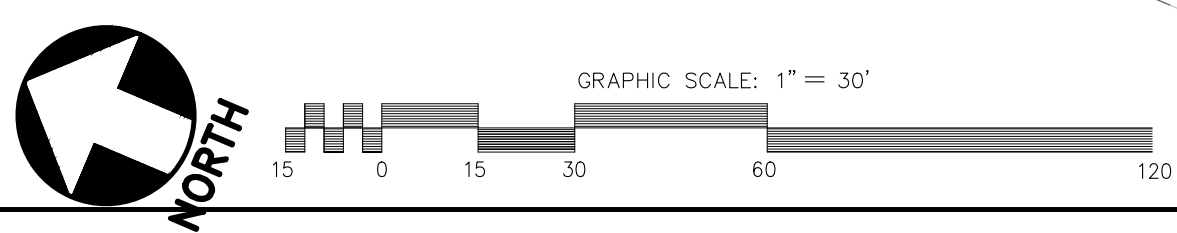


EROSION CONTROL LEGEND			
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Sd1-NS	SILT FENCE (TYPE 'A' TYP.) NON-SENSITIVE AREAS	EC-15	[Symbol]
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Sd2-P	CURB/DROP INLET FILTER "PIGS IN BLANKET"	EC-15	[Symbol]

**GSWCC** GEORGIA SOIL AND CONSERVATION COMMISSION

**MR. MARK D. COOKE, PE**  
Level II Certified Design Professional

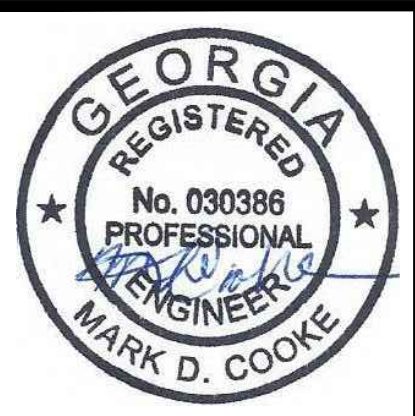
CERTIFICATION NUMBER 0000029484  
ISSUED: 11/06/2018 EXPIRES: 11/06/2021



**24 HR EMERGENCY CONTACT**  
JULIO TRINIDAD  
DEKALB COUNTY DWM  
(404) 687-3457

TOTAL DISTURBED  
1.86 AC

100% SUBMITTAL



**ATKINS**  
1600 Riveredge Parkway, Suite 700  
Atlanta, Ga 30328  
P: 770-933-0280



REVISION DATES		
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DEKALB COUNTY DWM  
SCOTT BOULEVARD WATER MAIN REPLACEMENT-PHASE II  
30-IN WATER LINE UNDER MARTA/CSX RAILROAD CROSSING

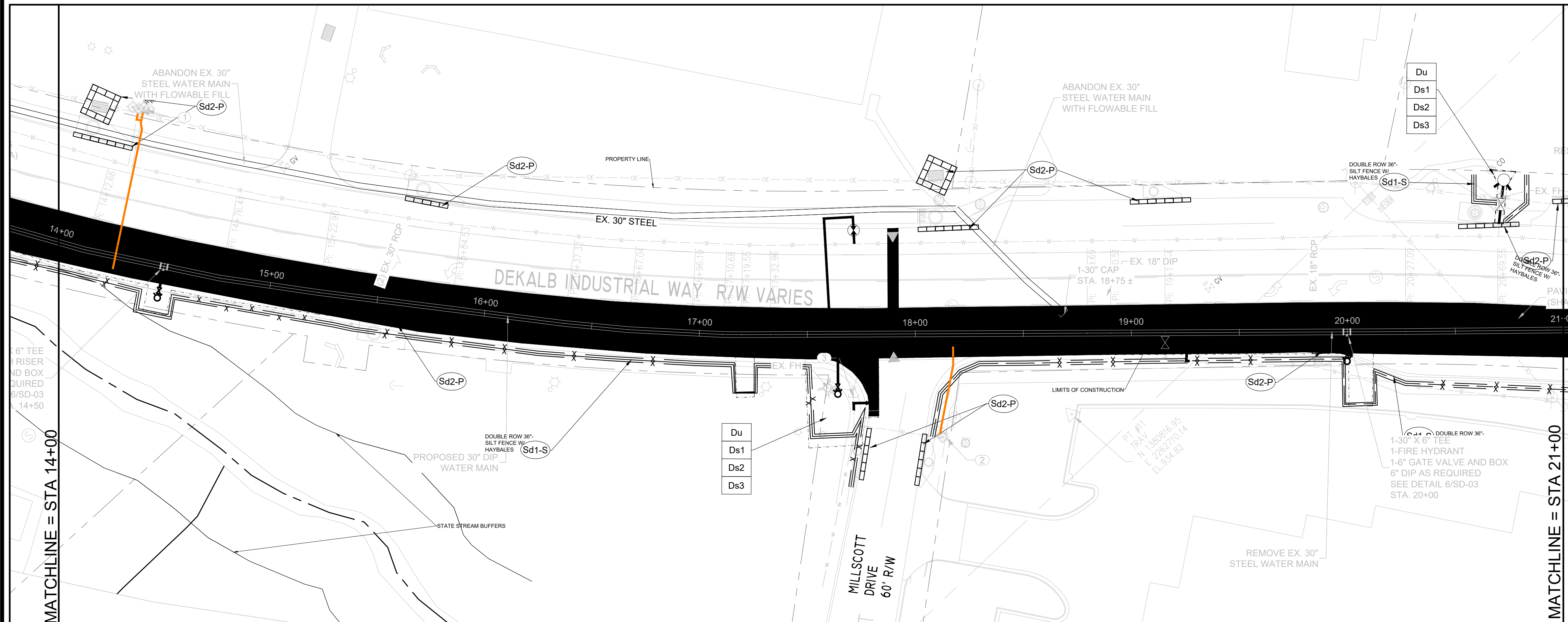
**EROSION CONTROL PLAN**

DRAWING No.  
**EC-02**



# EROSION AND SEDIMENT CONTROL NOTES:

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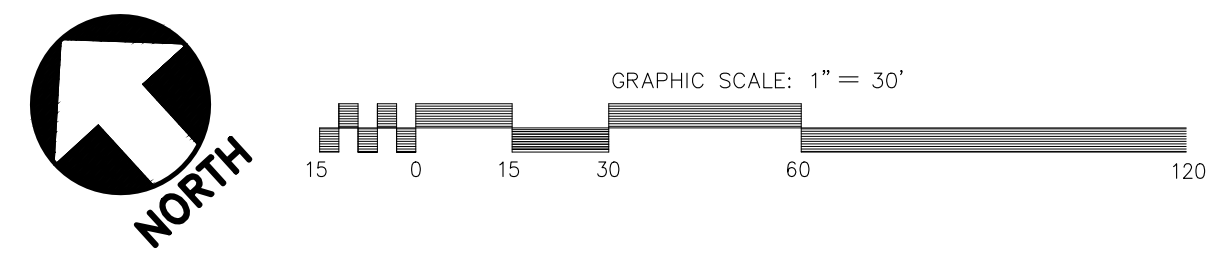


EROSION CONTROL LEGEND			
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**GSWCC** GEORGIA SOIL AND CONSERVATION COMMISSION

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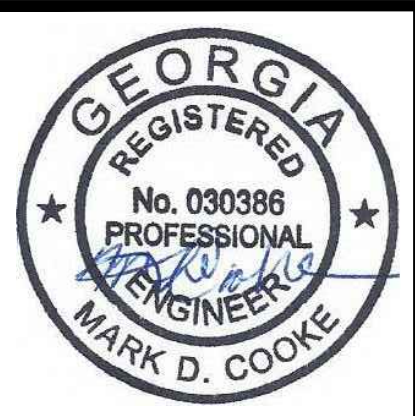
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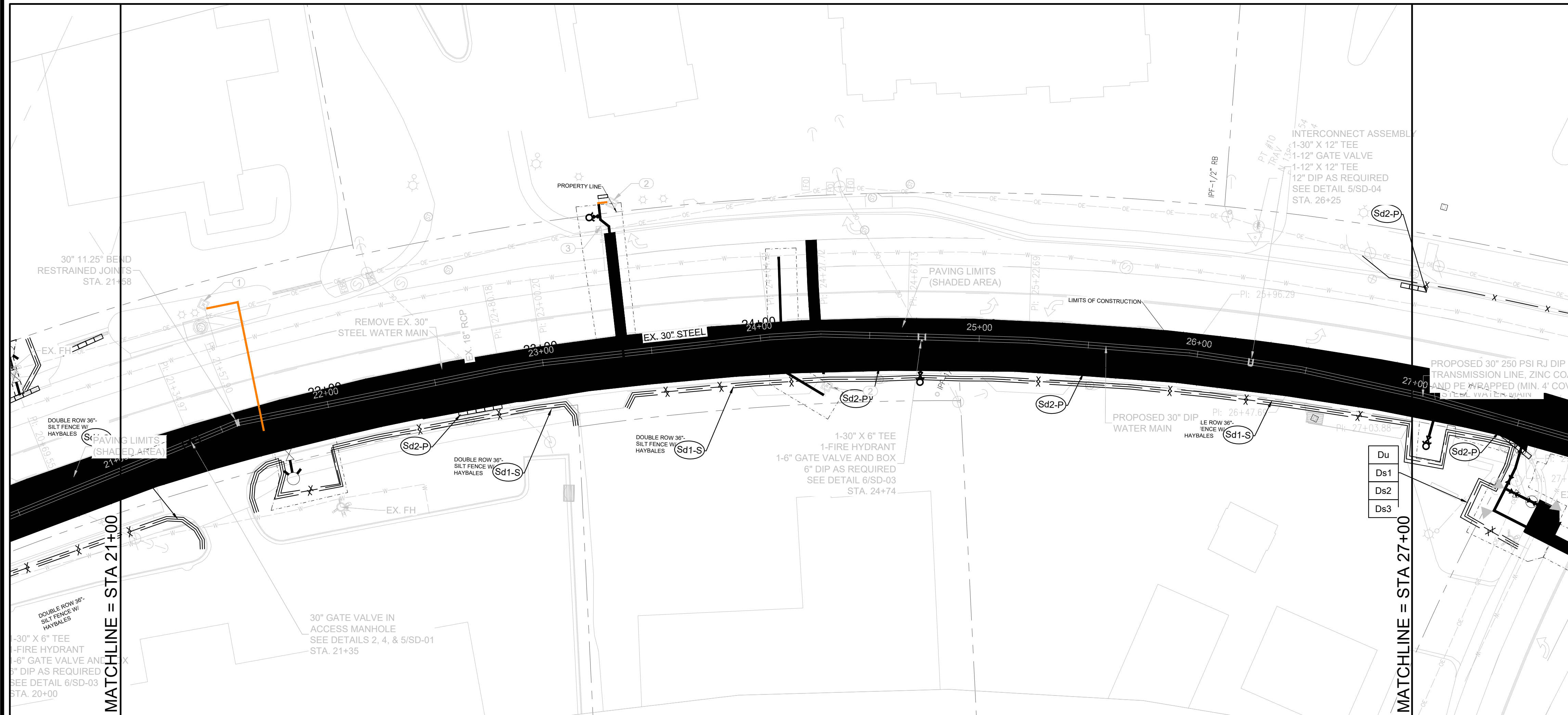
DEKALB COUNTY DWM  
SCOTT BOULEVARD WATER MAIN REPLACEMENT-PHASE II  
30-IN WATER LINE UNDER MARTA/CSX RAILROAD CROSSING

**EROSION CONTROL PLAN**

DRAWING No.  
**EC-03**

# EROSION AND SEDIMENT CONTROL NOTES:

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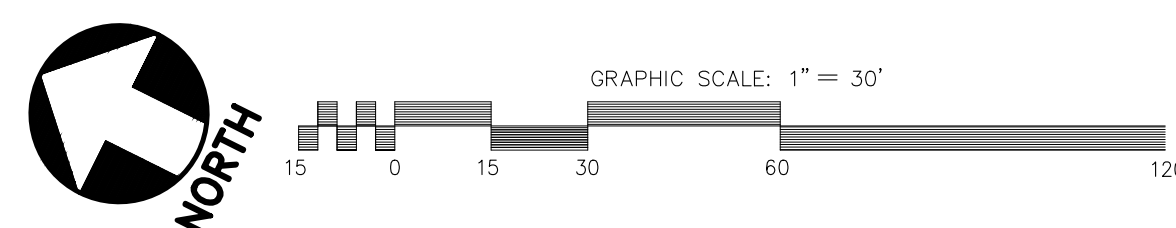
## EROSION CONTROL LEGEND

CODE	PRACTICE	DETAIL	SYMBOL
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Sd1-S	DOUBLE SILT FENCE (TYPE 'C' TYP.) SENSITIVE AREAS	EC-15	Sd1-S
Sd2-P	CURB/DROP INLET FILTER "PIGS IN BLANKET"	EC-15	Sd2-P

**GSWCC** GEORGIA SOIL AND CONSERVATION COMMISSION

**MR. MARK D. COOKE, PE**  
Level II Certified Design Professional

CERTIFICATION NUMBER 0000029484  
ISSUED: 11/06/2018 EXPIRES: 11/06/2021



**24 HR EMERGENCY CONTACT**  
JULIO TRINIDAD  
DEKALB COUNTY DWM  
(404) 687-3457

TOTAL DISTURBED  
1.86 AC

100% SUBMITTAL



**ATKINS**  
1600 Riveredge Parkway, Suite 700  
Atlanta, Ga 30328  
P: 770-933-0280



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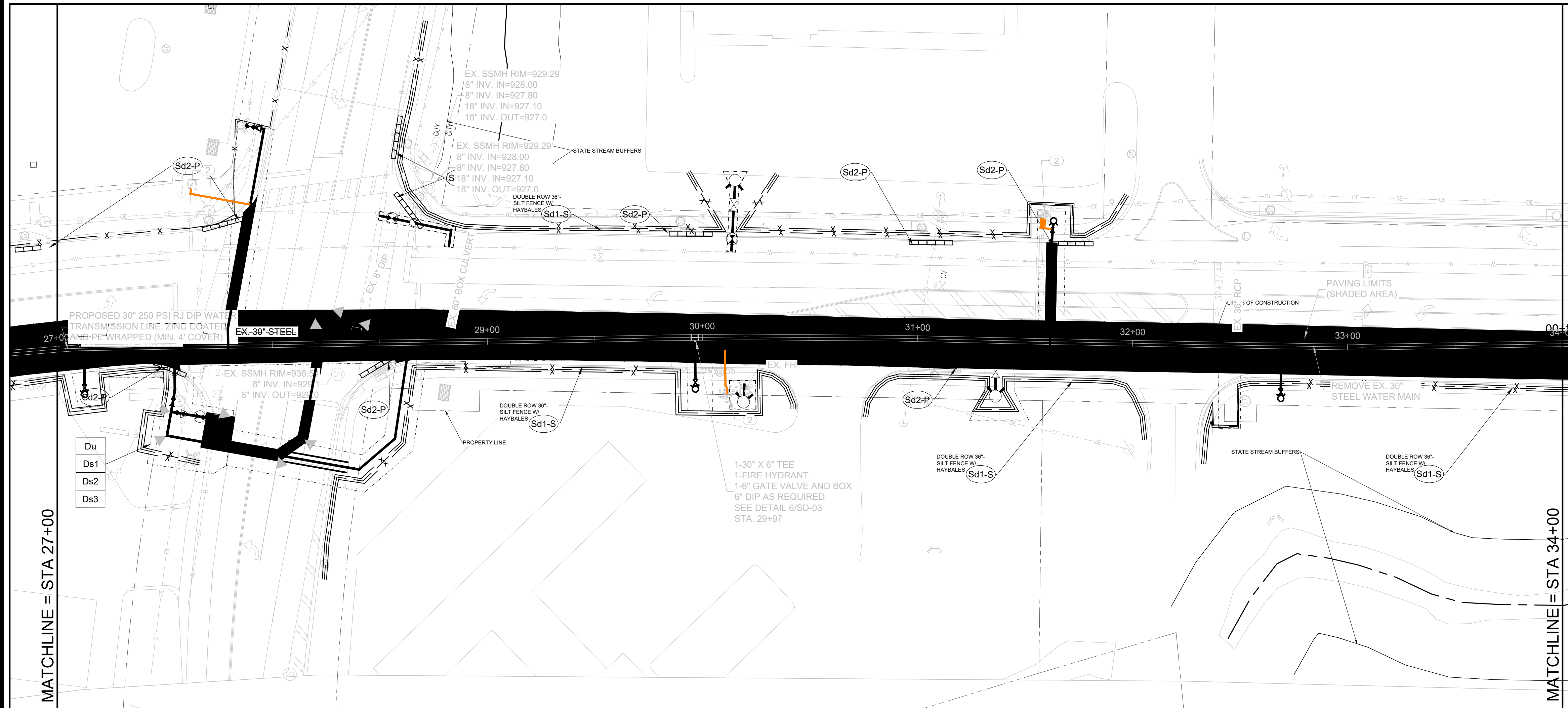
DEKALB COUNTY DWM  
SCOTT BOULEVARD WATER MAIN REPLACEMENT-PHASE II  
30-IN WATER LINE UNDER MARTA/CSX RAILROAD CROSSING

**EROSION CONTROL PLAN**

DRAWING No.  
**EC-04**

# EROSION AND SEDIMENT CONTROL NOTES:

- A. THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION AND SEDIMENT CONTROL MEASURES AND PRACTICES PRIOR TO, OR CONCURRENT WITH, LAND DISTURBING ACTIVITIES.
- B. EROSION CONTROL MEASURES WILL BE MAINTAINED AT ALL TIMES. IF FULL IMPLEMENTATION OF THE APPROVED PLAN DOES NOT PROVIDE FOR EFFECTIVE EROSION CONTROL, ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED TO CONTROL OR TREAT THE SEDIMENT SOURCE.
- C. ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSTALLED IF DETERMINED NECESSARY BY ON-SITE INSPECTION.
- D. ANY DISTURBED AREA LEFT EXPOSED FOR A PERIOD GREATER THAN 14 DAYS SHALL BE STABILIZED WITH MULCH OR TEMPORARY SEEDING; DISTURBED AREAS IDLE FOR 30 DAYS SHALL BE STABILIZED WITH PERMANENT VEGETATION.
- E. EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSPECTED DAILY, AND REPAIRED AS NECESSARY.
- F. CUT AND FILL SLOPES SHALL NOT EXCEED 3H:1V ON RESIDENTIAL PROJECTS AND SHALL NOT EXCEED 2H:1V ON ALL OTHER PROJECTS.
- G. WEEKLY EROSION AND SEDIMENT CONTROL REPORTS SHALL BE SUBMITTED TO THE DEVELOPMENT DEPARTMENT STARTING WITH THE ISSUANCE OF THE DEVELOPMENT PERMIT AND ENDING WHEN THE PROJECT IS RELEASED BY THE INSPECTOR.
- H. SILT FENCE SHALL MEET THE REQUIREMENTS OF SECTION 171-TYPE A AND TYPE C TEMPORARY SILT FENCE, OF THE GEORGIA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS.
- I. CONTRACTOR TO INSTALL ALL NECESSARY EROSION AND SEDIMENTATION CONTROL MEASURES PRIOR TO THE START OF ANY CONSTRUCTION ACTIVITIES.
- J. INSPECTIONS BY QUALIFIED PERSONNEL PROVIDED BY THE PRIMARY PERMITTEE AND THE ASSOCIATED RECORDS SHALL BE KEPT ON SITE IN COMPLIANCE WITH GAR. 10000-2.
- K. ANY IMPERVIOUS WATER RUNOFF FROM LOTS BY-PASSING WATER QUALITY POND MUST BE TREATED ON A LOT PER LOT BASIS.
- L. INSTALLATION OF WATER QUALITY DEVICES SHALL BE CONCURRENT WITH FINAL STABILIZATION AND/OR PRIOR TO MAINTENANCE/PERFORMANCE BOND EXPIRATION.
- M. NO MASS GRADING SHALL OCCUR ON THE PROJECT.
- N. THE PROJECT SHALL BE STABILIZED BY THE END OF EACH DAY WITH TEMPORARY OR PERMANENT STABILIZATION MEASURES.
- O. THE PROJECT SHALL HAVE A DURATION OF LESS THAN 120 CALENDAR DAYS.
- P. FINAL STABILIZATION MUST BE IMPLEMENTED AT THE END OF THE MAINTENANCE PROJECT.
- Q. STOCKPILING OF MATERIALS ARE NOT PERMITTED.
- R. CONTRACTOR MUST STABILIZE DISTURBED AREAS IMMEDIATELY USING DISTURBED AREA BMPs INCLUDING Ds1, Ds2, Ds3 AND Du. REFER TO EC-16 FOR ADDITIONAL INFORMATION AND REQUIREMENTS

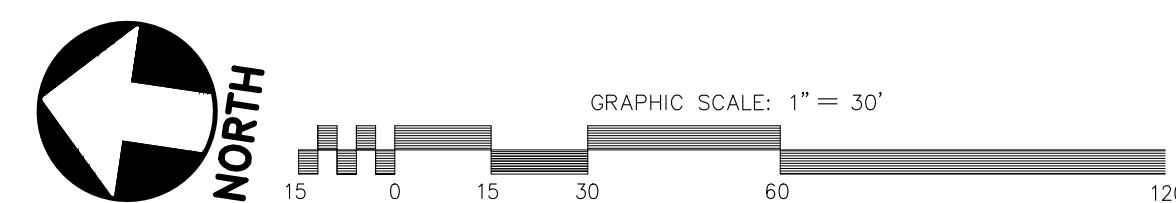


EROSION CONTROL LEGEND			
CODE	PRACTICE	DETAIL	SYMBOL
Du	DUST CONTROL ON DISTURBED AREAS	WATER/CHEMICAL TREATMENT AS REQUIRED	Du
Ds1	MULCHING ONLY	EC-15	Ds1
Ds2	TEMPORARY SEEDING	EC-15	Ds2
Ds3	PERMANENT VEGETATION	EC-15	Ds3
Ds4	WITH SODDING	EC-15	Ds4
Co	CRUSHED STONE CONSTRUCTION ENTRANCE	EC-15	Co
Sd1-NS	SILT FENCE (TYPE 'A' TYP.) NON-SENSITIVE AREAS	EC-15	Sd1-NS
Sd1-S	DOUBLE SILT FENCE (TYPE 'C' TYP.) SENSITIVE AREAS	EC-15	Sd1-S
Sd2-P	CURB/DROP INLET FILTER "PIGS IN BLANKET"	EC-15	Sd2-P

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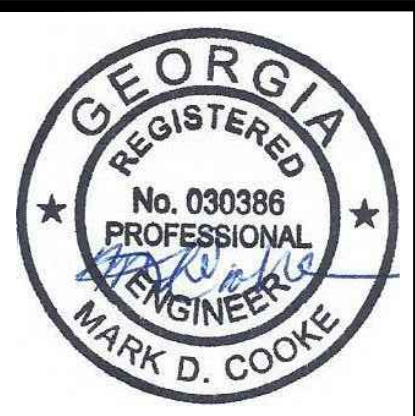
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30-IN WATER LINE UNDER MARTA/CSX RAILROAD CROSSING

**EROSION CONTROL PLAN**

DRAWING No.  
**EC-05**

# EROSION AND SEDIMENT CONTROL NOTES:

- A. THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION AND SEDIMENT CONTROL MEASURES AND PRACTICES PRIOR TO, OR CONCURRENT WITH, LAND DISTURBING ACTIVITIES.
- B. EROSION CONTROL MEASURES WILL BE MAINTAINED AT ALL TIMES. IF FULL IMPLEMENTATION OF THE APPROVED PLAN DOES NOT PROVIDE FOR EFFECTIVE EROSION CONTROL, ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED TO CONTROL OR TREAT THE SEDIMENT SOURCE.
- C. ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSTALLED IF DETERMINED NECESSARY BY ON-SITE INSPECTION.
- D. ANY DISTURBED AREA LEFT EXPOSED FOR A PERIOD GREATER THAN 14 DAYS SHALL BE STABILIZED WITH MULCH OR TEMPORARY SEEDING; DISTURBED AREAS IDLE FOR 30 DAYS SHALL BE STABILIZED WITH PERMANENT VEGETATION.
- E. EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSPECTED DAILY, AND REPAIRED AS NECESSARY.
- F. CUT AND FILL SLOPES SHALL NOT EXCEED 3H:1V ON RESIDENTIAL PROJECTS AND SHALL NOT EXCEED 2H:1V ON ALL OTHER PROJECTS.
- G. WEEKLY EROSION AND SEDIMENT CONTROL REPORTS SHALL BE SUBMITTED TO THE DEVELOPMENT DEPARTMENT STARTING WITH THE ISSUANCE OF THE DEVELOPMENT PERMIT AND ENDING WHEN THE PROJECT IS RELEASED BY THE INSPECTOR.
- H. SILT FENCE SHALL MEET THE REQUIREMENTS OF SECTION 171-TYPE A AND TYPE C TEMPORARY SILT FENCE, OF THE GEORGIA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS.
- I. CONTRACTOR TO INSTALL ALL NECESSARY EROSION AND SEDIMENTATION CONTROL MEASURES PRIOR TO THE START OF ANY CONSTRUCTION ACTIVITIES.
- J. INSPECTIONS BY QUALIFIED PERSONNEL PROVIDED BY THE PRIMARY PERMITTEE AND THE ASSOCIATED RECORDS SHALL BE KEPT ON SITE IN COMPLIANCE WITH GAR. 10000-2.
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- L. INSTALLATION OF WATER QUALITY DEVICES SHALL BE CONCURRENT WITH FINAL STABILIZATION AND/OR PRIOR TO MAINTENANCE/PERFORMANCE BOND EXPIRATION.
- M. NO MASS GRADING SHALL OCCUR ON THE PROJECT.
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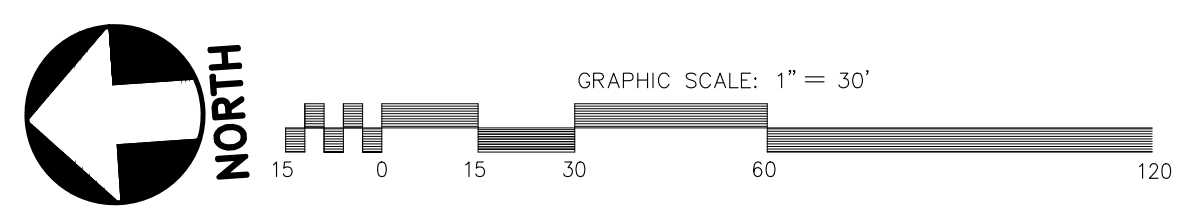


EROSION CONTROL LEGEND			
CODE	PRACTICE	DETAIL	SYMBOL
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Ds1	MULCHING ONLY	EC-15	Ds1
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Ds3	PERMANENT VEGETATION	EC-15	Ds3
Ds4	WITH SODDING	EC-15	Ds4
Co	CRUSHED STONE CONSTRUCTION ENTRANCE	EC-15	Co
Sd1-NS	SILT FENCE (TYPE 'A' TYP.) NON-SENSITIVE AREAS	EC-15	Sd1-NS
Sd1-S	DOUBLE SILT FENCE (TYPE 'C' TYP.) SENSITIVE AREAS	EC-15	Sd1-S
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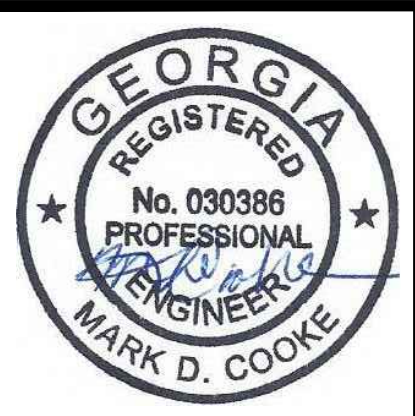
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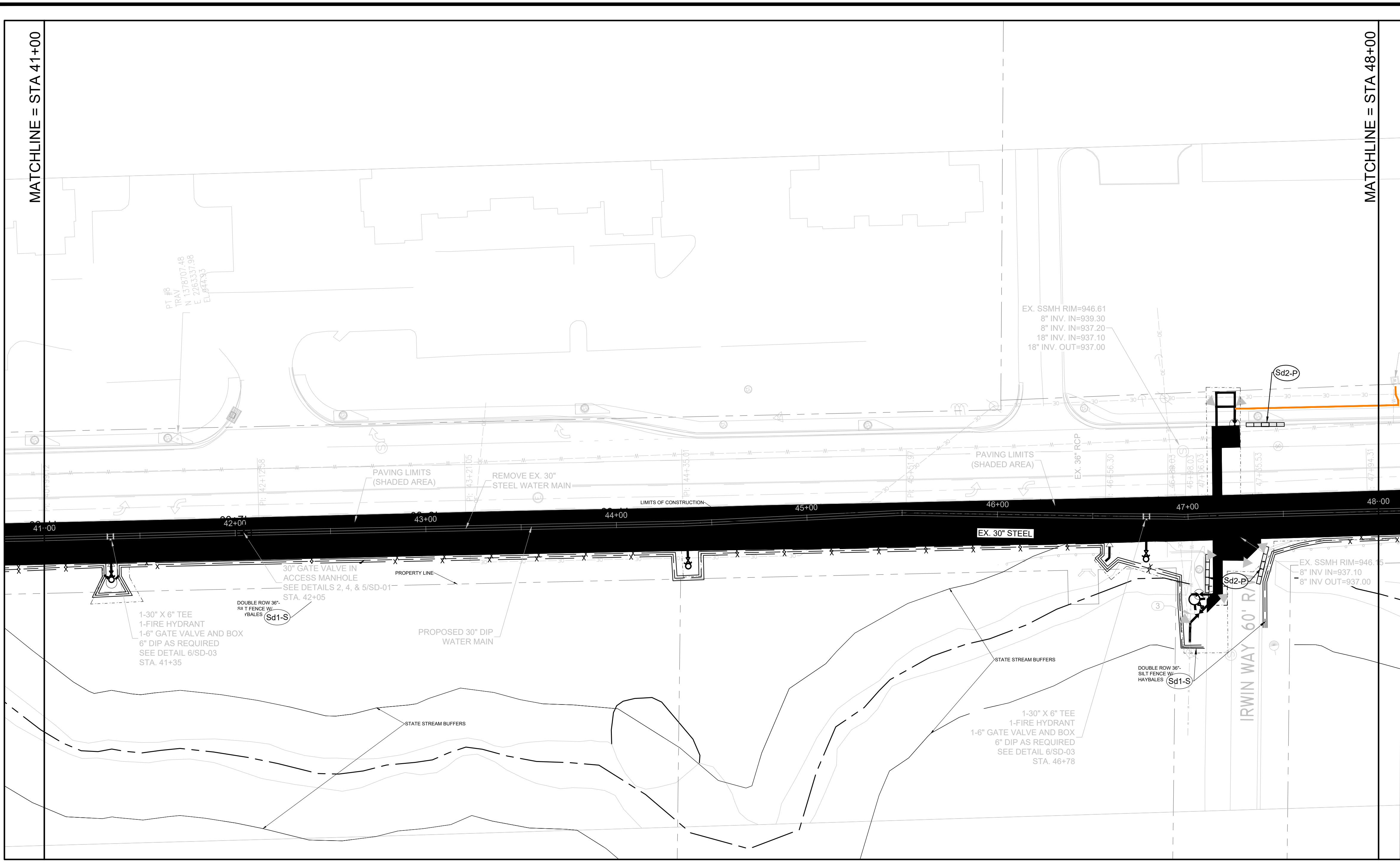


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DEKALB COUNTY DWM  
SCOTT BOULEVARD WATER MAIN REPLACEMENT-PHASE II  
30-IN WATER LINE UNDER MARTA/CSX RAILROAD CROSSING

**EROSION CONTROL PLAN**

DRAWING No.  
**EC-06**



**EROSION AND SEDIMENT CONTROL NOTES:**

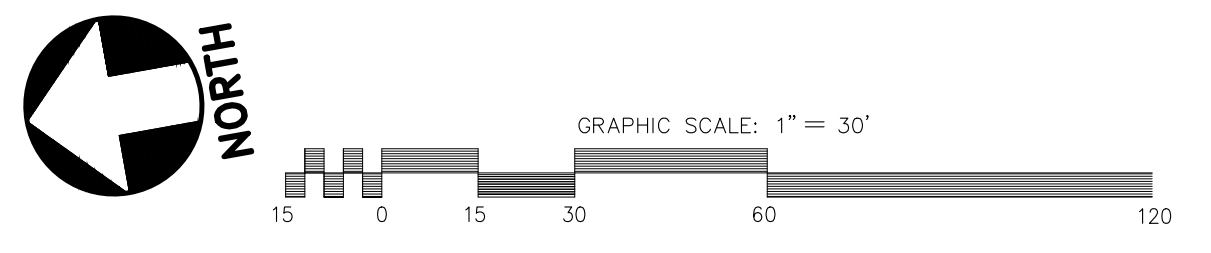
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EROSION CONTROL LEGEND			
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Sd2-P	CURB/DROP INLET FILTER "PIGS IN BLANKET"	EC-15	Sd2-P

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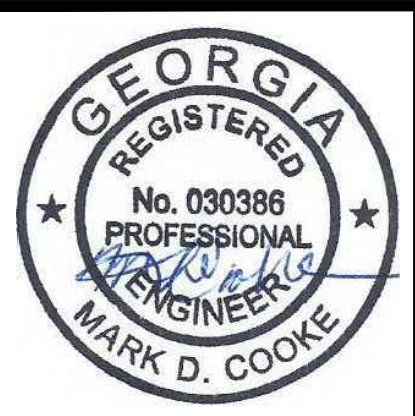
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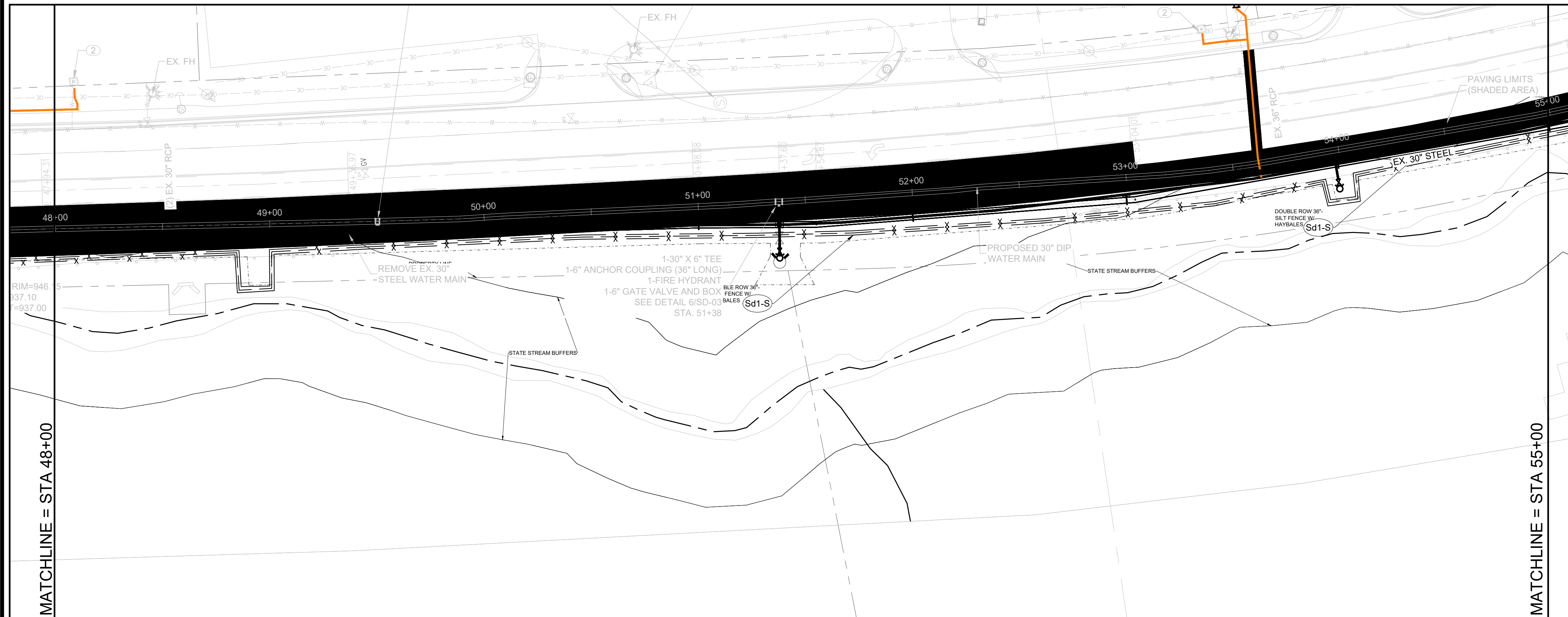
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**EROSION CONTROL PLAN**

DRAWING No.  
**EC-07**

# EROSION AND SEDIMENT CONTROL NOTES:

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- C. ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSTALLED IF DETERMINED NECESSARY BY ON-SITE INSPECTION.
- D. ANY DISTURBED AREA LEFT EXPOSED FOR A PERIOD GREATER THAN 14 DAYS SHALL BE STABILIZED WITH MULCH OR TEMPORARY SEEDING; DISTURBED AREAS IDLE FOR 30 DAYS SHALL BE STABILIZED WITH PERMANENT VEGETATION.
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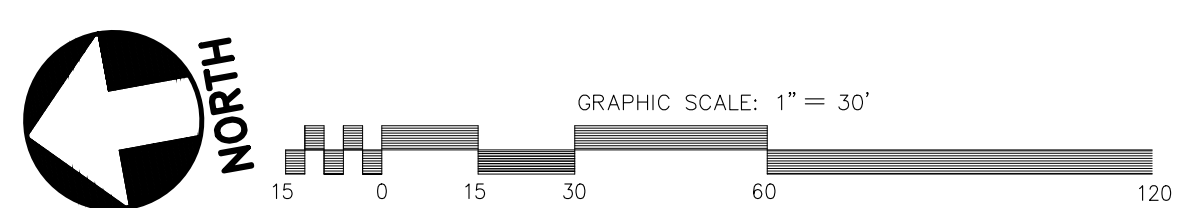


EROSION CONTROL LEGEND			
CODE	PRACTICE	DETAIL	SYMBOL
Du	DUST CONTROL ON DISTURBED AREAS	WATER/CHEMICAL TREATMENT AS REQUIRED	Du
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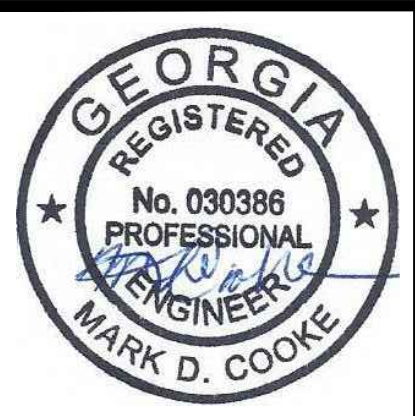
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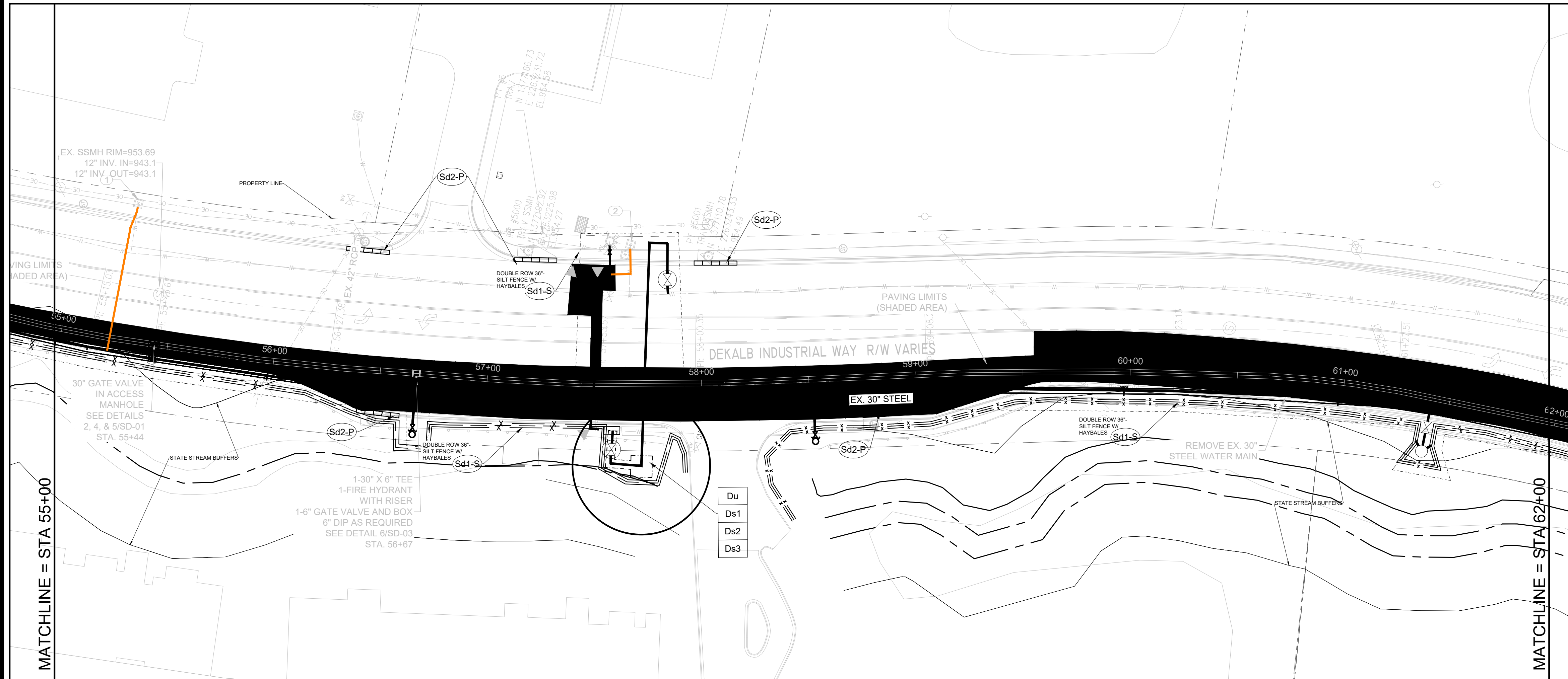
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**EROSION CONTROL PLAN**

DRAWING No.  
**EC-08**

# EROSION AND SEDIMENT CONTROL NOTES:

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- R. CONTRACTOR MUST STABILIZE DISTURBED AREAS IMMEDIATELY USING DISTURBED AREA BMPs INCLUDING Ds1, Ds2, Ds3 AND Du. REFER TO EC-16 FOR ADDITIONAL INFORMATION AND REQUIREMENTS

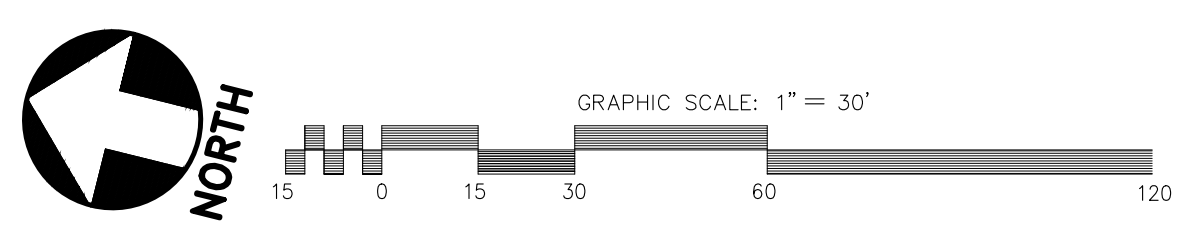


EROSION CONTROL LEGEND			
CODE	PRACTICE	DETAIL	SYMBOL
Du	DUST CONTROL ON DISTURBED AREAS	WATER/CHEMICAL TREATMENT AS REQUIRED	Du
Ds1	MULCHING ONLY	EC-15	Ds1
Ds2	TEMPORARY SEEDING	EC-15	Ds2
Ds3	PERMANENT VEGETATION	EC-15	Ds3
Ds4	WITH SODDING	EC-15	Ds4
Co	CRUSHED STONE CONSTRUCTION ENTRANCE	EC-15	Co
Sd1-NS	SILT FENCE (TYPE 'A' TYP.) NON-SENSITIVE AREAS	EC-15	Sd1-NS
Sd1-S	DOUBLE SILT FENCE (TYPE 'C' TYP.) SENSITIVE AREAS	EC-15	Sd1-S
Sd2-P	CURB/DROP INLET FILTER "PIGS IN BLANKET"	EC-15	Sd2-P

**GSWCC** GEORGIA SOIL AND CONSERVATION COMMISSION

**MR. MARK D. COOKE, PE**  
Level II Certified Design Professional

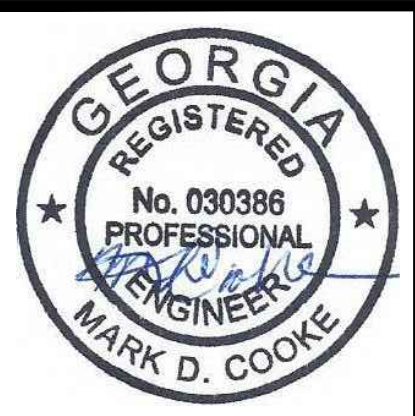
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**24 HR EMERGENCY CONTACT**  
JULIO TRINIDAD  
DEKALB COUNTY DWM  
(404) 687-3457

TOTAL DISTURBED  
1.86 AC

100% SUBMITTAL



**ATKINS**  
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Atlanta, Ga 30328  
P: 770-933-0280



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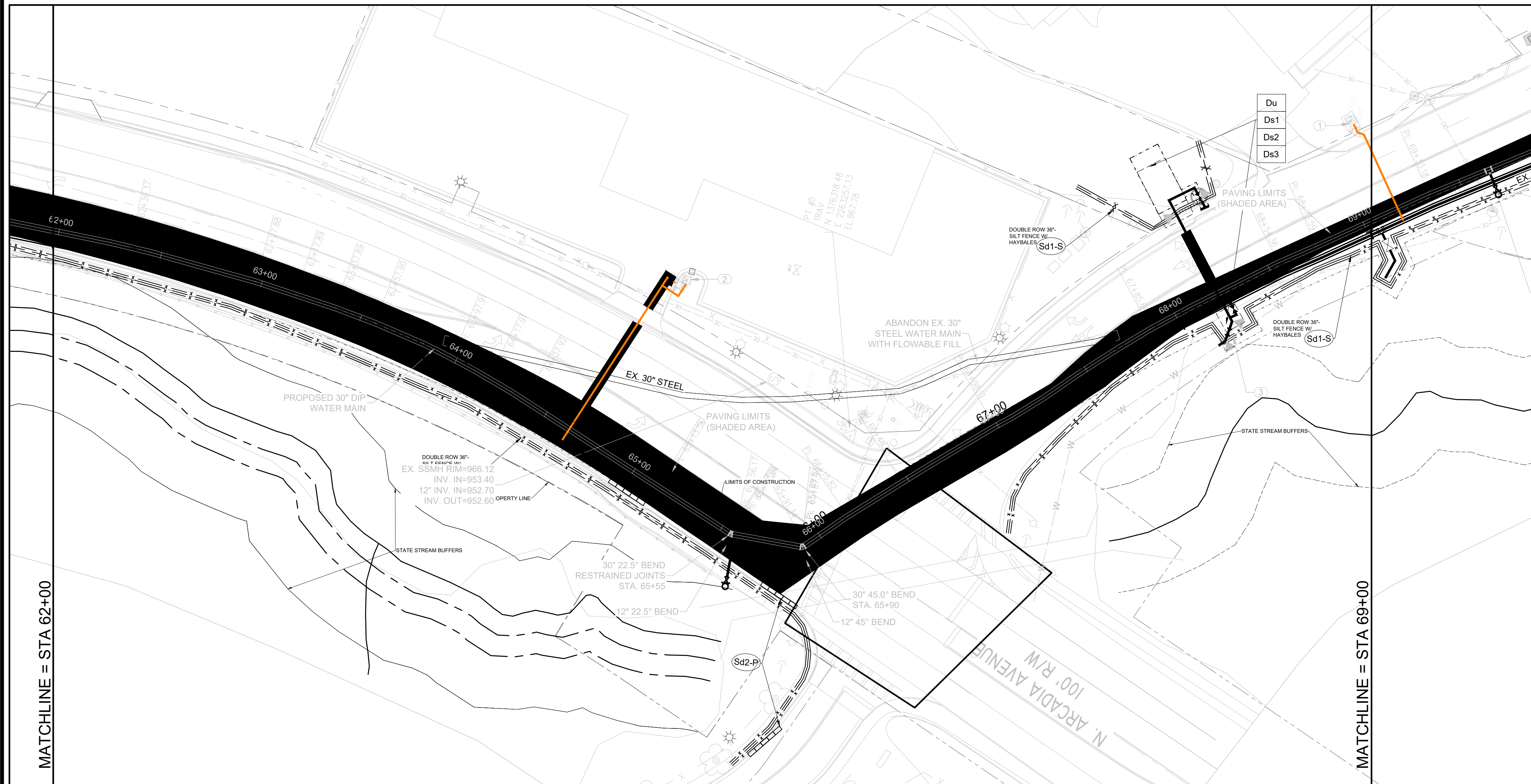
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SCOTT BOULEVARD WATER MAIN REPLACEMENT-PHASE II  
30-IN WATER LINE UNDER MARTA/CSX RAILROAD CROSSING

**EROSION CONTROL PLAN**

DRAWING No.  
**EC-09**

# EROSION AND SEDIMENT CONTROL NOTES:

- A. THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION AND SEDIMENT CONTROL MEASURES AND PRACTICES PRIOR TO, OR CONCURRENT WITH, LAND DISTURBING ACTIVITIES.
- B. EROSION CONTROL MEASURES WILL BE MAINTAINED AT ALL TIMES. IF FULL IMPLEMENTATION OF THE APPROVED PLAN DOES NOT PROVIDE FOR EFFECTIVE EROSION CONTROL, ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED TO CONTROL OR TREAT THE SEDIMENT SOURCE.
- C. ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSTALLED IF DETERMINED NECESSARY BY ON-SITE INSPECTION.
- D. ANY DISTURBED AREA LEFT EXPOSED FOR A PERIOD GREATER THAN 14 DAYS SHALL BE STABILIZED WITH MULCH OR TEMPORARY SEEDING; DISTURBED AREAS IDLE FOR 30 DAYS SHALL BE STABILIZED WITH PERMANENT VEGETATION.
- E. EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSPECTED DAILY, AND REPAIRED AS NECESSARY.
- F. CUT AND FILL SLOPES SHALL NOT EXCEED 3H:1V ON RESIDENTIAL PROJECTS AND SHALL NOT EXCEED 2H:1V ON ALL OTHER PROJECTS.
- G. WEEKLY EROSION AND SEDIMENT CONTROL REPORTS SHALL BE SUBMITTED TO THE DEVELOPMENT DEPARTMENT STARTING WITH THE ISSUANCE OF THE DEVELOPMENT PERMIT AND ENDING WHEN THE PROJECT IS RELEASED BY THE INSPECTOR.
- H. SILT FENCE SHALL MEET THE REQUIREMENTS OF SECTION 171-TYPE A AND TYPE C TEMPORARY SILT FENCE, OF THE GEORGIA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS.
- I. CONTRACTOR TO INSTALL ALL NECESSARY EROSION AND SEDIMENTATION CONTROL MEASURES PRIOR TO THE START OF ANY CONSTRUCTION ACTIVITIES.
- J. INSPECTIONS BY QUALIFIED PERSONNEL PROVIDED BY THE PRIMARY PERMITTEE AND THE ASSOCIATED RECORDS SHALL BE KEPT ON SITE IN COMPLIANCE WITH GAR. 10000-2.
- K. ANY IMPERVIOUS WATER RUNOFF FROM LOTS BY-PASSING WATER QUALITY POND MUST BE TREATED ON A LOT PER LOT BASIS.
- L. INSTALLATION OF WATER QUALITY DEVICES SHALL BE CONCURRENT WITH FINAL STABILIZATION AND/OR PRIOR TO MAINTENANCE/PERFORMANCE BOND EXPIRATION.
- M. NO MASS GRADING SHALL OCCUR ON THE PROJECT.
- N. THE PROJECT SHALL BE STABILIZED BY THE END OF EACH DAY WITH TEMPORARY OR PERMANENT STABILIZATION MEASURES.
- O. THE PROJECT SHALL HAVE A DURATION OF LESS THAN 120 CALENDAR DAYS.
- P. FINAL STABILIZATION MUST BE IMPLEMENTED AT THE END OF THE MAINTENANCE PROJECT.
- Q. STOCKPILING OF MATERIALS ARE NOT PERMITTED.
- R. CONTRACTOR MUST STABILIZE DISTURBED AREAS IMMEDIATELY USING DISTURBED AREA BMPs INCLUDING Ds1, Ds2, Ds3 AND Du. REFER TO EC-6 FOR ADDITIONAL INFORMATION AND REQUIREMENTS

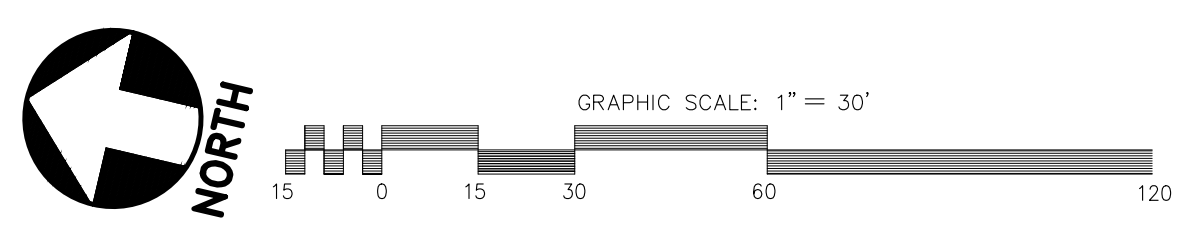


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Ds3	PERMANENT VEGETATION	EC-15	Ds3
Ds4	WITH SODDING	EC-15	Ds4
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Sd1-NS	SILT FENCE (TYPE 'A' TYP.) NON-SENSITIVE AREAS	EC-15	Sd1-NS
Sd1-S	DOUBLE SILT FENCE (TYPE 'C' TYP.) SENSITIVE AREAS	EC-15	Sd1-S
Sd2-P	CURB/DROP INLET FILTER "PIGS IN BLANKET"	EC-15	Sd2-P

**GSWCC** GEORGIA SOIL AND CONSERVATION COMMISSION

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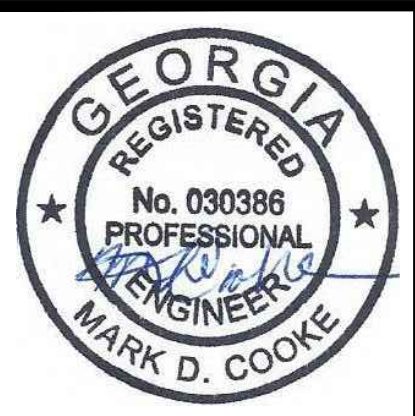
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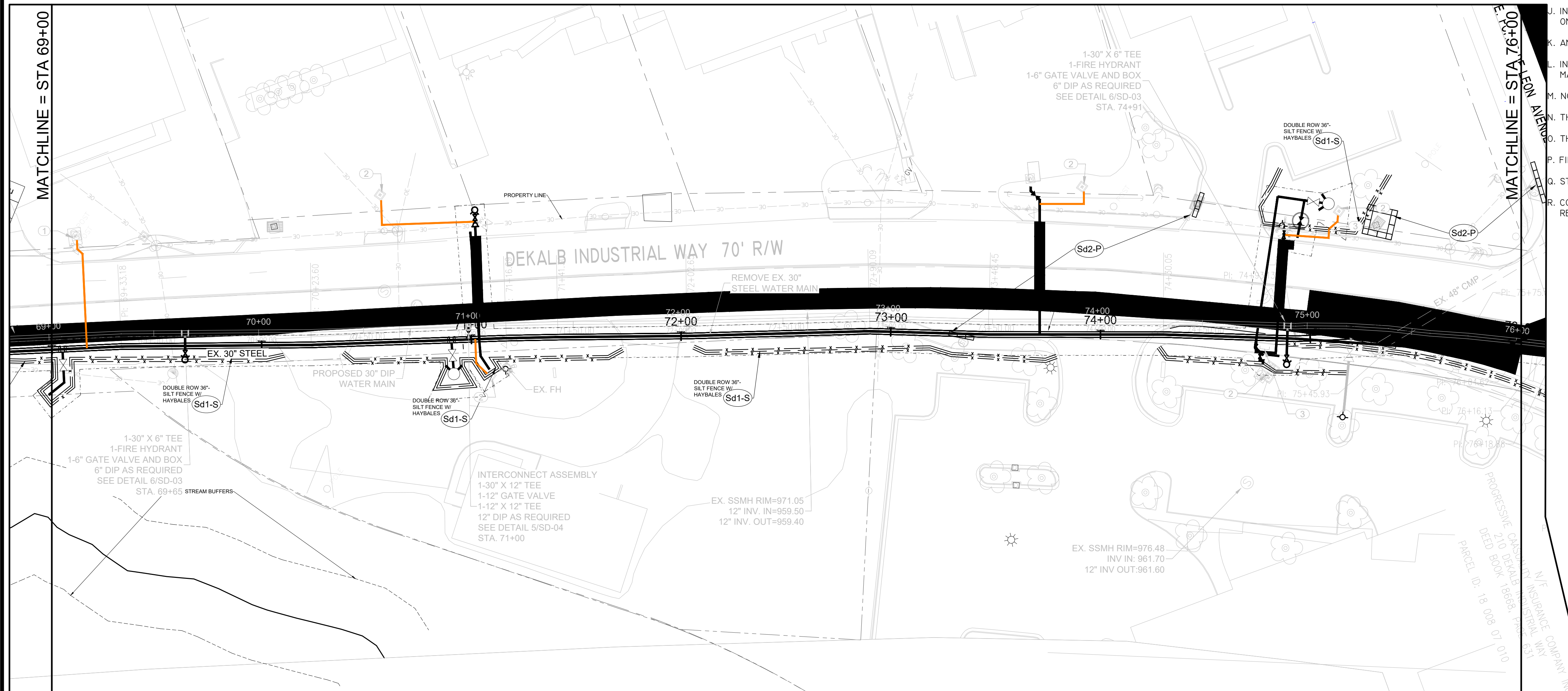
**EROSION CONTROL PLAN**

DRAWING No.  
**EC-10**



# EROSION AND SEDIMENT CONTROL NOTES:

- A. THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION AND SEDIMENT CONTROL MEASURES AND PRACTICES PRIOR TO, OR CONCURRENT WITH, LAND DISTURBING ACTIVITIES.
- B. EROSION CONTROL MEASURES WILL BE MAINTAINED AT ALL TIMES. IF FULL IMPLEMENTATION OF THE APPROVED PLAN DOES NOT PROVIDE FOR EFFECTIVE EROSION CONTROL, ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED TO CONTROL OR TREAT THE SEDIMENT SOURCE.
- C. ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSTALLED IF DETERMINED NECESSARY BY ON-SITE INSPECTION.
- D. ANY DISTURBED AREA LEFT EXPOSED FOR A PERIOD GREATER THAN 14 DAYS SHALL BE STABILIZED WITH MULCH OR TEMPORARY SEEDING; DISTURBED AREAS IDLE FOR 30 DAYS SHALL BE STABILIZED WITH PERMANENT VEGETATION.
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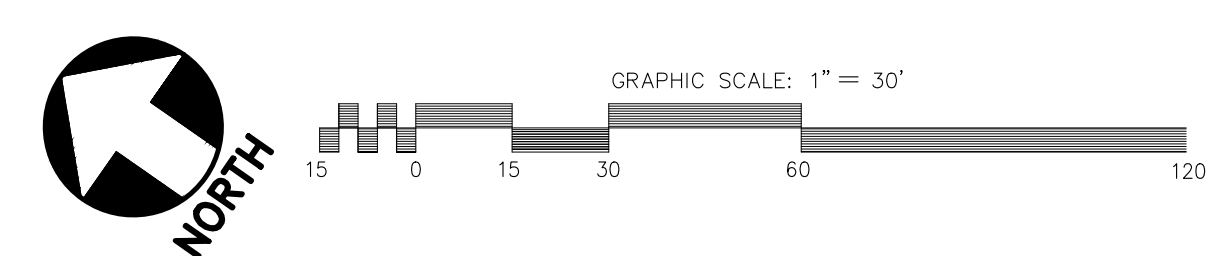


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**GSWCC** GEORGIA SOIL AND CONSERVATION COMMISSION

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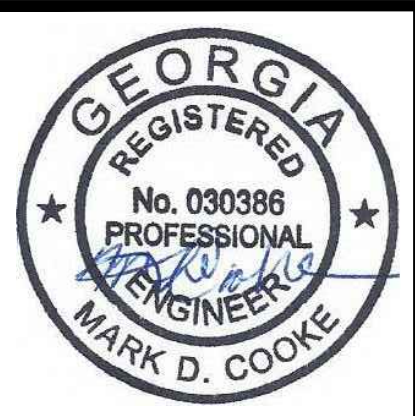
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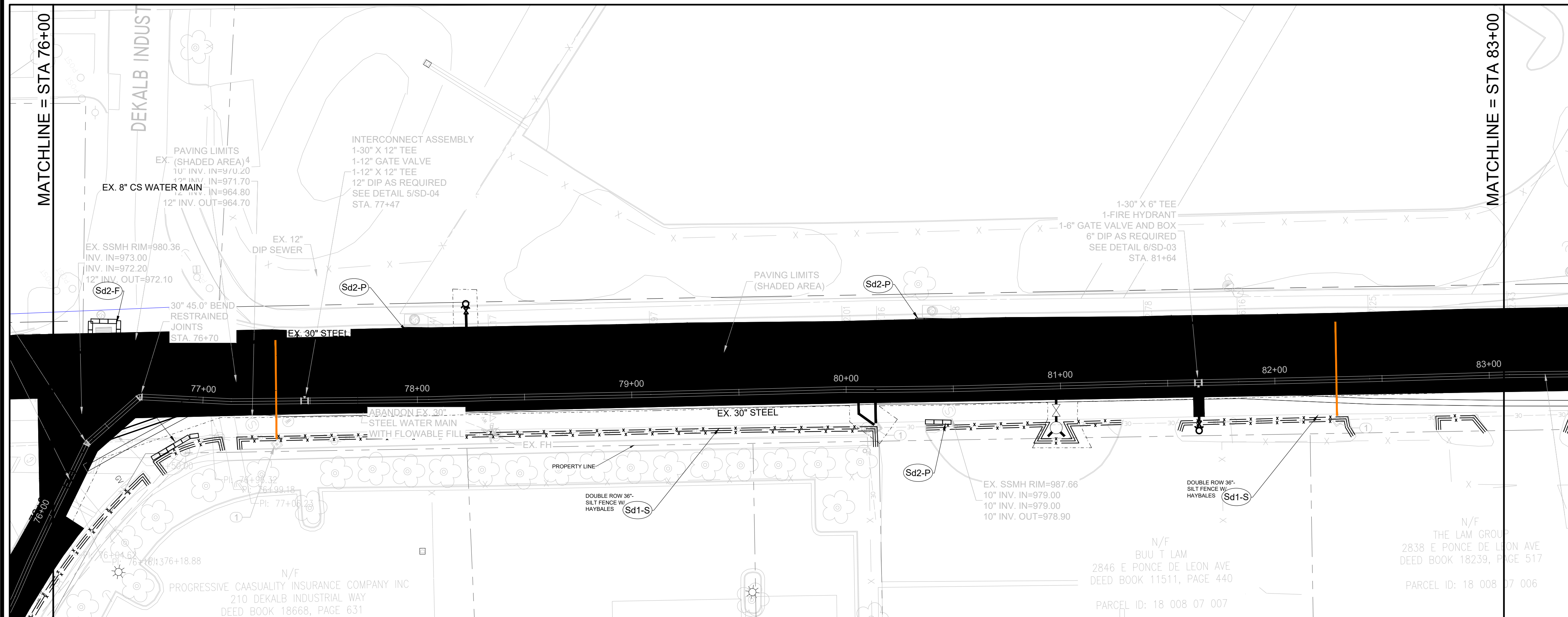
DEKALB COUNTY DWM  
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30-IN WATER LINE UNDER MARTA/CSX RAILROAD CROSSING

**EROSION CONTROL PLAN**

DRAWING No.  
**EC-11**

# EROSION AND SEDIMENT CONTROL NOTES:

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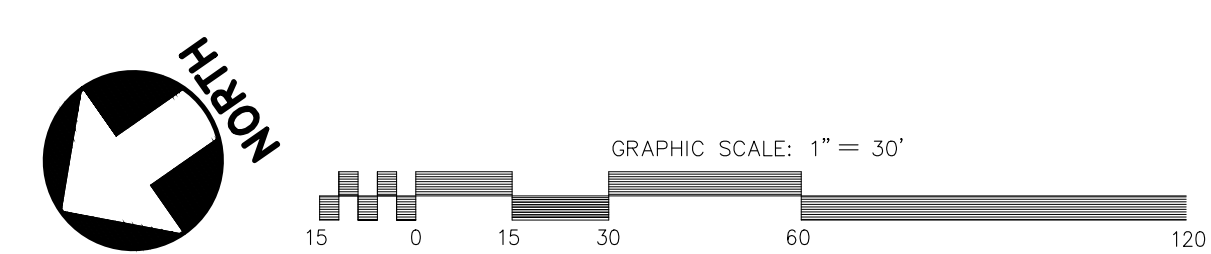


EROSION CONTROL LEGEND			
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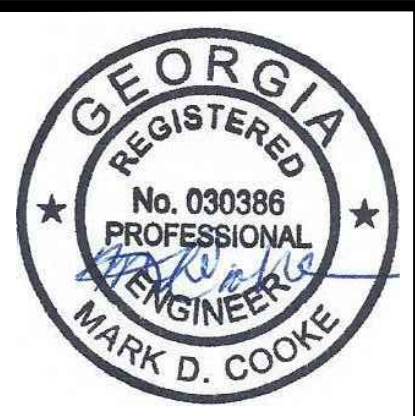
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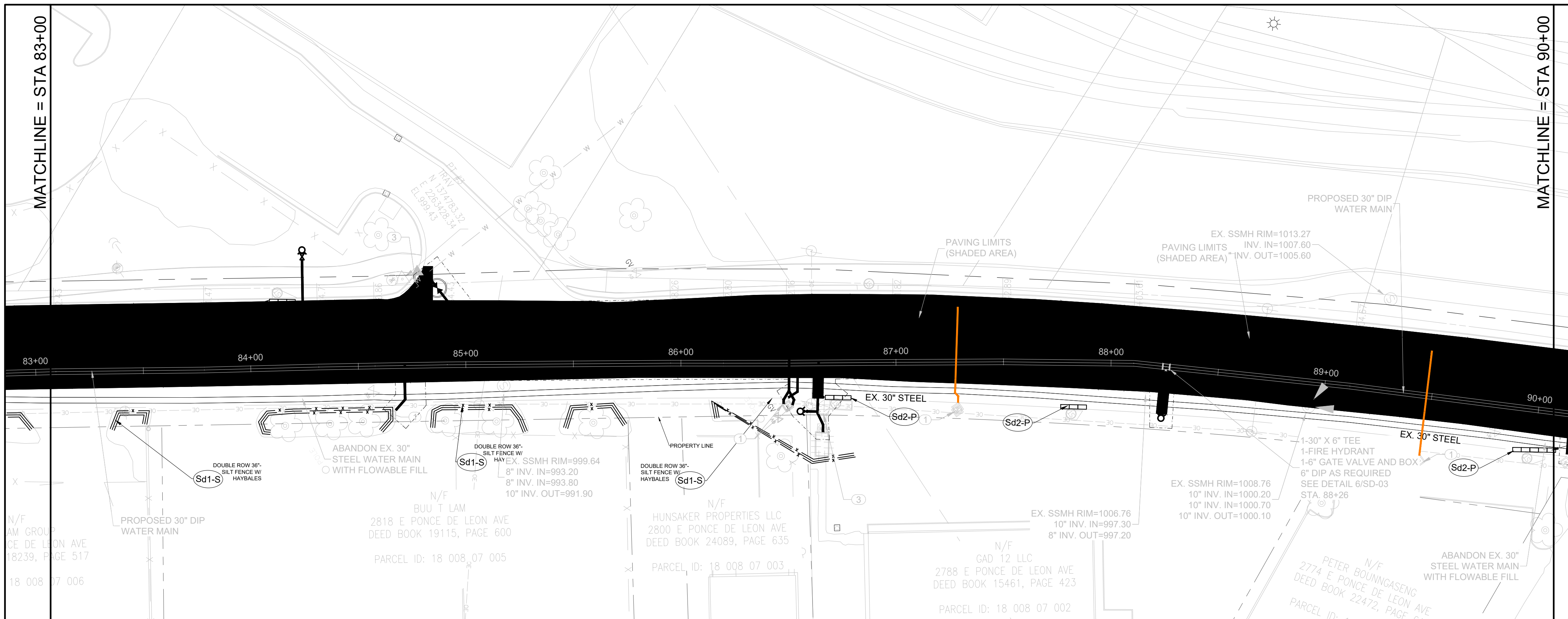
DEKALB COUNTY DWM  
SCOTT BOULEVARD WATER MAIN REPLACEMENT-PHASE II  
30-IN WATER LINE UNDER MARTA/CSX RAILROAD CROSSING

**EROSION CONTROL PLAN**

DRAWING No.  
**EC-12**

# EROSION AND SEDIMENT CONTROL NOTES:

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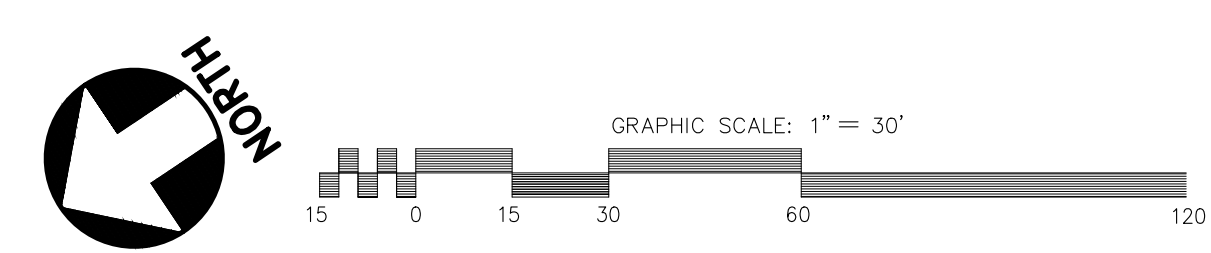


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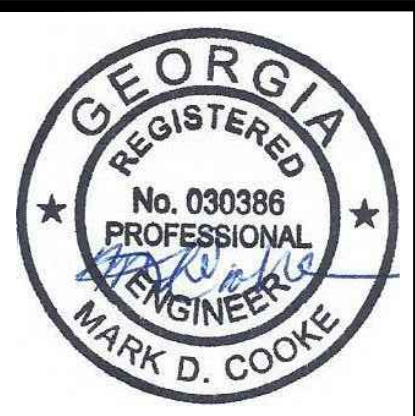
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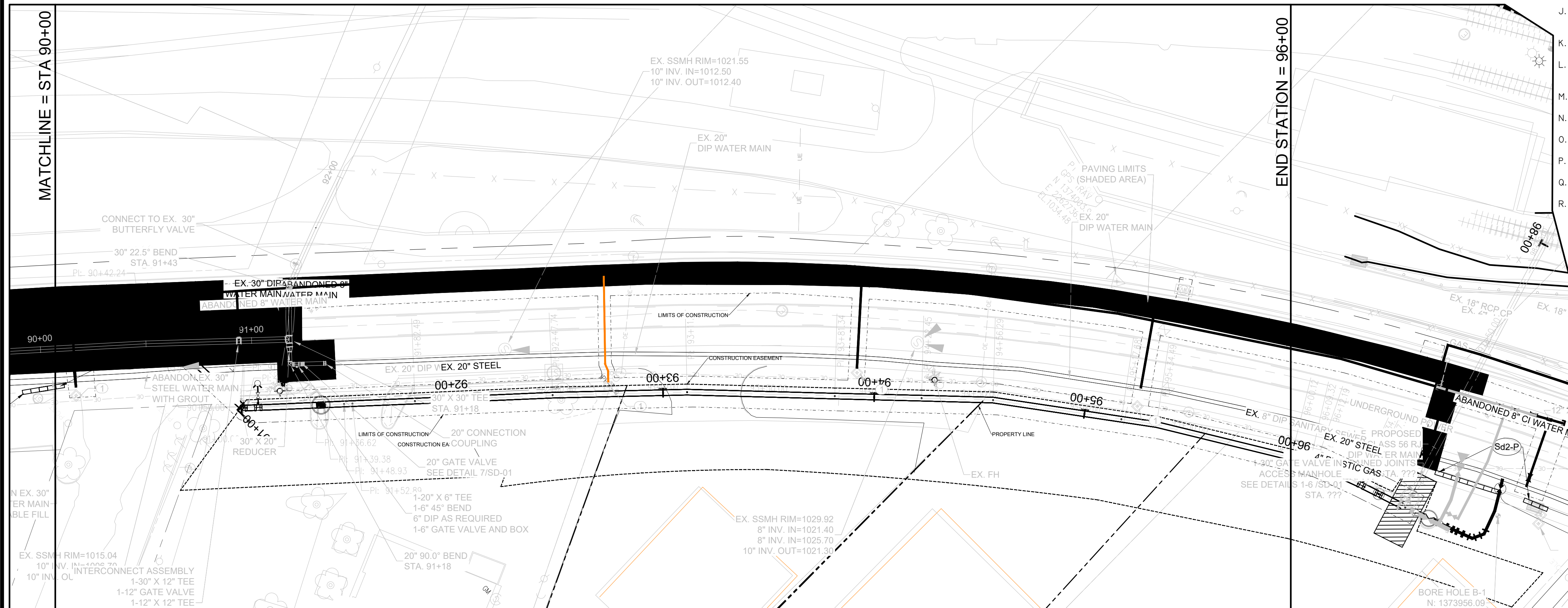
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**EROSION CONTROL PLAN**

DRAWING No.  
**EC-13**

# EROSION AND SEDIMENT CONTROL NOTES:

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- F. CUT AND FILL SLOPES SHALL NOT EXCEED 3H:1V ON RESIDENTIAL PROJECTS AND SHALL NOT EXCEED 2H:1V ON ALL OTHER PROJECTS.
- G. WEEKLY EROSION AND SEDIMENT CONTROL REPORTS SHALL BE SUBMITTED TO THE DEVELOPMENT DEPARTMENT STARTING WITH THE ISSUANCE OF THE DEVELOPMENT PERMIT AND ENDING WHEN THE PROJECT IS RELEASED BY THE INSPECTOR.
- H. SILT FENCE SHALL MEET THE REQUIREMENTS OF SECTION 171-TYPE A AND TYPE C TEMPORARY SILT FENCE, OF THE GEORGIA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS.
- I. CONTRACTOR TO INSTALL ALL NECESSARY EROSION AND SEDIMENTATION CONTROL MEASURES PRIOR TO THE START OF ANY CONSTRUCTION ACTIVITIES.
- J. INSPECTIONS BY QUALIFIED PERSONNEL PROVIDED BY THE PRIMARY PERMITTEE AND THE ASSOCIATED RECORDS SHALL BE KEPT ON SITE IN COMPLIANCE WITH GAR. 10000-2.
- K. ANY IMPERVIOUS WATER RUNOFF FROM LOTS BY-PASSING WATER QUALITY POND MUST BE TREATED ON A LOT PER LOT BASIS.
- L. INSTALLATION OF WATER QUALITY DEVICES SHALL BE CONCURRENT WITH FINAL STABILIZATION AND/OR PRIOR TO MAINTENANCE/PERFORMANCE BOND EXPIRATION.
- M. NO MASS GRADING SHALL OCCUR ON THE PROJECT.
- N. THE PROJECT SHALL BE STABILIZED BY THE END OF EACH DAY WITH TEMPORARY OR PERMANENT STABILIZATION MEASURES.
- O. THE PROJECT SHALL HAVE A DURATION OF LESS THAN 120 CALENDAR DAYS.
- P. FINAL STABILIZATION MUST BE IMPLEMENTED AT THE END OF THE MAINTENANCE PROJECT.
- Q. STOCKPILING OF MATERIALS ARE NOT PERMITTED.
- R. CONTRACTOR MUST STABILIZE DISTURBED AREAS IMMEDIATELY USING DISTURBED AREA BMPs INCLUDING Ds1, Ds2, Ds3 AND Du. REFER TO EC-16 FOR ADDITIONAL INFORMATION AND REQUIREMENTS

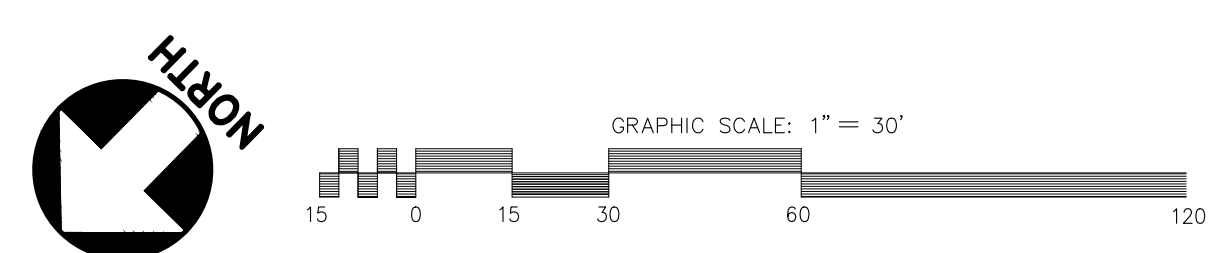


EROSION CONTROL LEGEND			
CODE	PRACTICE	DETAIL	SYMBOL
Du	DUST CONTROL ON DISTURBED AREAS	WATER/CHEMICAL TREATMENT AS REQUIRED	Du
Ds1	MULCHING ONLY	EC-15	Ds1
Ds2	TEMPORARY SEEDING	EC-15	Ds2
Ds3	PERMANENT VEGETATION	EC-15	Ds3
Ds4	WITH SODDING	EC-15	Ds4
Co	CRUSHED STONE CONSTRUCTION ENTRANCE	EC-15	Co
Sd1-NS	SILT FENCE (TYPE 'A' TYP.) NON-SENSITIVE AREAS	EC-15	Sd1-NS
Sd1-S	DOUBLE SILT FENCE (TYPE 'C' TYP.) SENSITIVE AREAS	EC-15	Sd1-S
Sd2-P	CURB/DROP INLET FILTER "PIGS IN BLANKET"	EC-15	Sd2-P

**GSWCC** GEORGIA SOIL AND CONSERVATION COMMISSION

**MR. MARK D. COOKE, PE**  
Level II Certified Design Professional

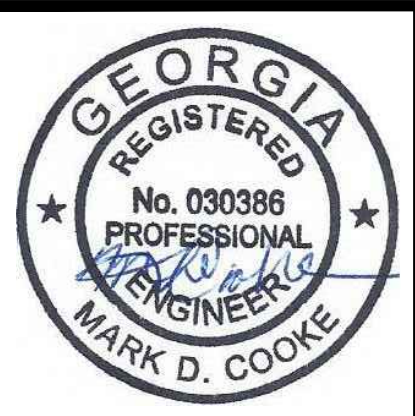
CERTIFICATION NUMBER: 0000029484  
ISSUED: 11/06/2018 EXPIRES: 11/06/2021



**24 HR EMERGENCY CONTACT**  
JULIO TRINIDAD  
DEKALB COUNTY DWM  
(404) 687-3457

TOTAL DISTURBED  
1.86 AC

100% SUBMITTAL



**ATKINS**  
1600 Riveredge Parkway, Suite 700  
Atlanta, Ga 30328  
P: 770-933-0280



REVISION DATES		
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0	09/24/19	EFR

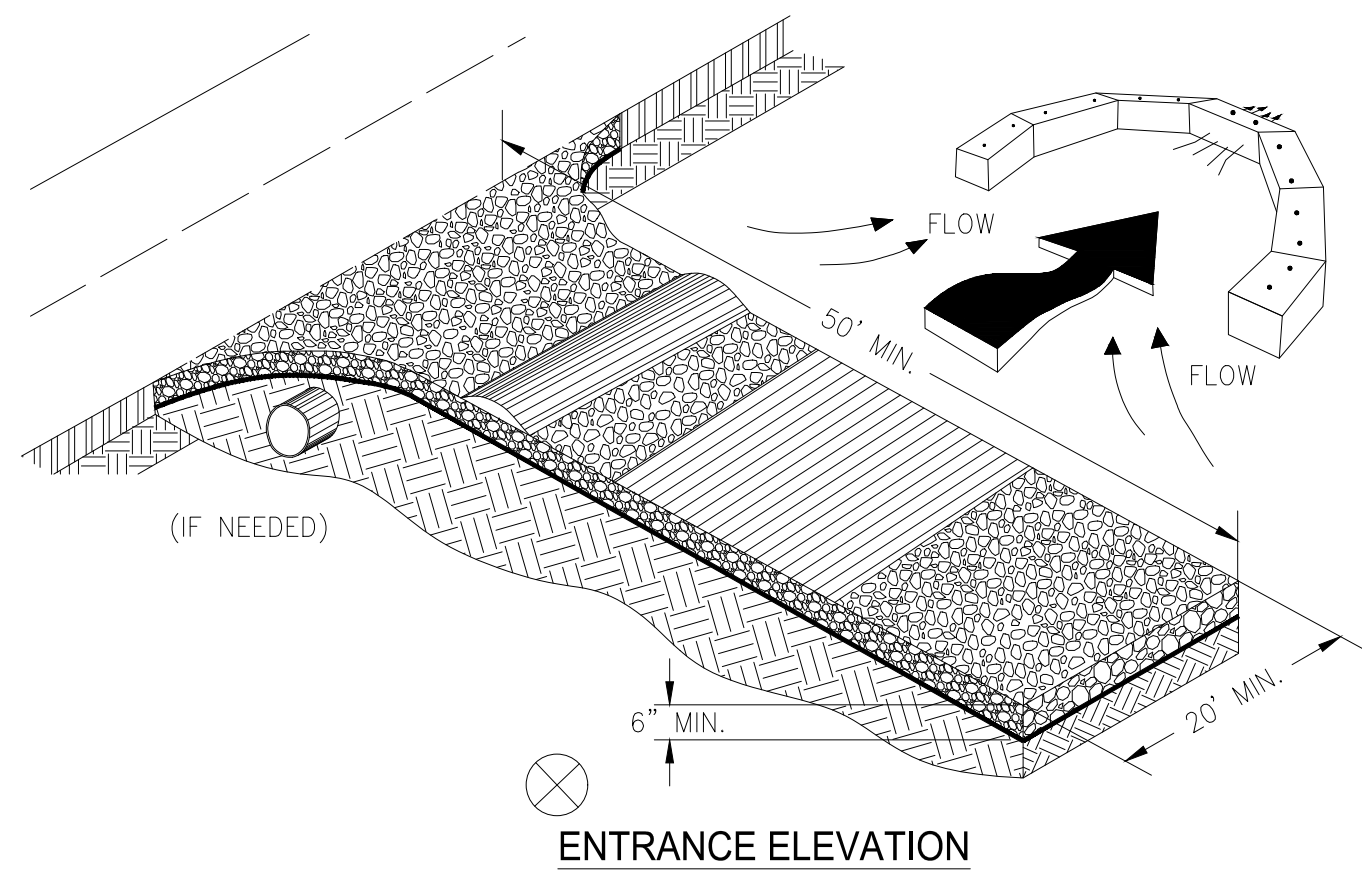
DEKALB COUNTY DWM  
SCOTT BOULEVARD WATER MAIN REPLACEMENT-PHASE II  
30-IN WATER LINE UNDER MARTA/CSX RAILROAD CROSSING

**EROSION CONTROL PLAN**

DRAWING No.  
**EC-14**

### CRUSHED STONE CONSTRUCTION EXIT

EXIT DIAGRAM



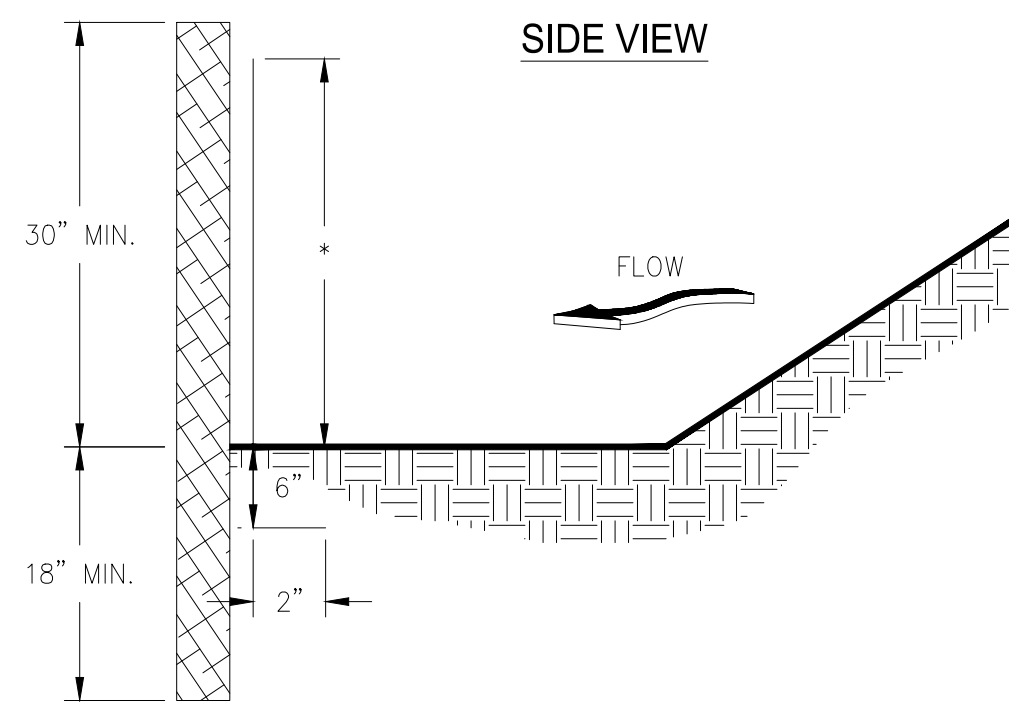
**NOTES:**

1. AVOID LOCATING ON STEEP SLOPES OR AT CURVES ON PUBLIC ROADS.
2. REMOVE ALL VEGETATION AND OTHER UNSUITABLE MATERIAL FROM THE FOUNDATION AREA, GRADE, AND CROWN FOR POSITIVE DRAINAGE.
3. AGGREGATE SIZE SHALL BE IN ACCORDANCE WITH NATIONAL STONE ASSOCIATION R-2 (1.5"-3.5" STONE).
4. GRAVEL PAD SHALL HAVE A MINIMUM THICKNESS OF 6".
5. PAD WIDTH SHALL BE EQUAL FULL WIDTH AT ALL POINTS OF VEHICULAR EGRESS, BUT NO LESS THAN 20'.
6. A DIVERSION RIDGE SHOULD BE CONSTRUCTED WHEN GRADE TOWARD PAVED AREA IS GREATER THAN 2%.
7. INSTALL PIPE UNDER THE ENTRANCE IF NEEDED TO MAINTAIN DRAINAGE DITCHES.
8. WHEN WASHING IS REQUIRED, IT SHOULD BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE THAT DRAINS INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN (DIVERT ALL SURFACE RUNOFF AND DRAINAGE FROM THE ENTRANCE TO A SEDIMENT CONTROL DEVICE).
9. WASHRACKS AND/OR TIRE WASHERS MAY BE REQUIRED DEPENDING ON SCALE AND CIRCUMSTANCE. IF NECESSARY, WASHRACK DESIGN MAY CONSIST OF ANY MATERIAL SUITABLE FOR TRUCK TRAFFIC THAT REMOVE MUD AND DIRT.
10. MAINTAIN AREA IN A WAY THAT PREVENTS TRACKING AND/OR FLOW OF MUD ONTO PUBLIC RIGHTS-OF-WAYS. THIS MAY REQUIRE TOP DRESSING, REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT.

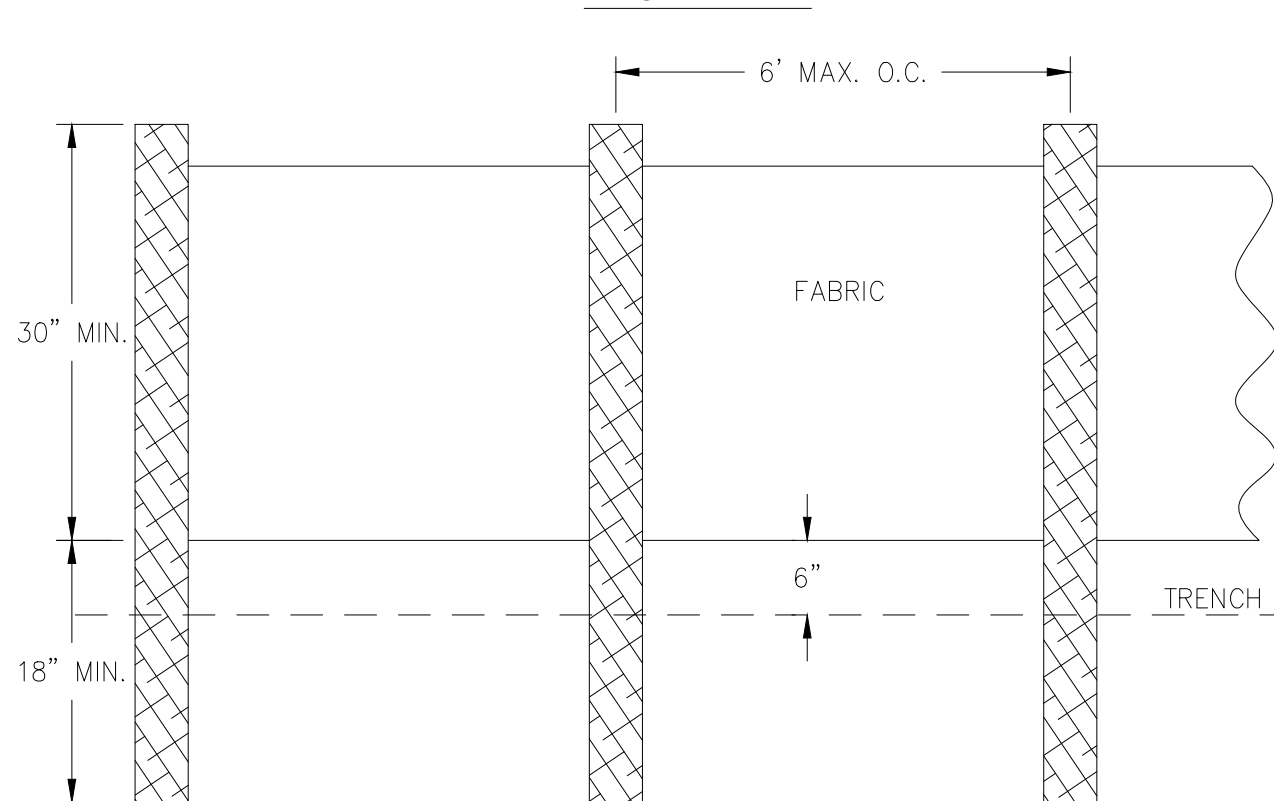
**Co**

### SILT FENCE - TYPE NON-SENSITIVE

SIDE VIEW



FRONT VIEW



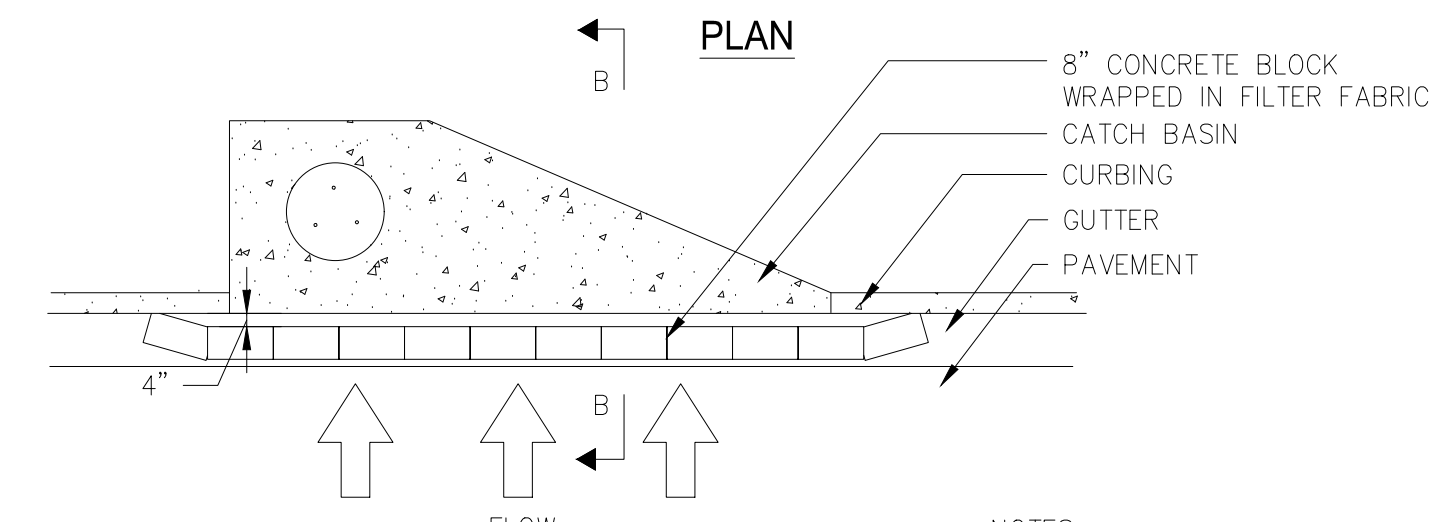
**NOTES:**

1. USE STEEL POSTS AS SPECIFIED IN THE GDOT SPECIFICATION 894.2.06 SILT FABRIC FENCING (A)(2c) FOR PROJECT DONE IN GDOT RIGHT OF WAY.
2. HEIGHT (\*) IS TO BE SHOWN ON THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN.

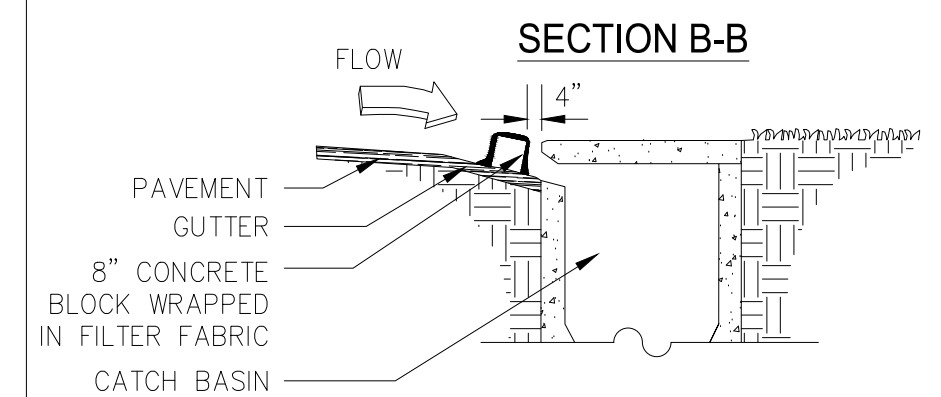
**Sd1-NS**

### CURB INLET FILTER "PIGS IN BLANKET"

PLAN

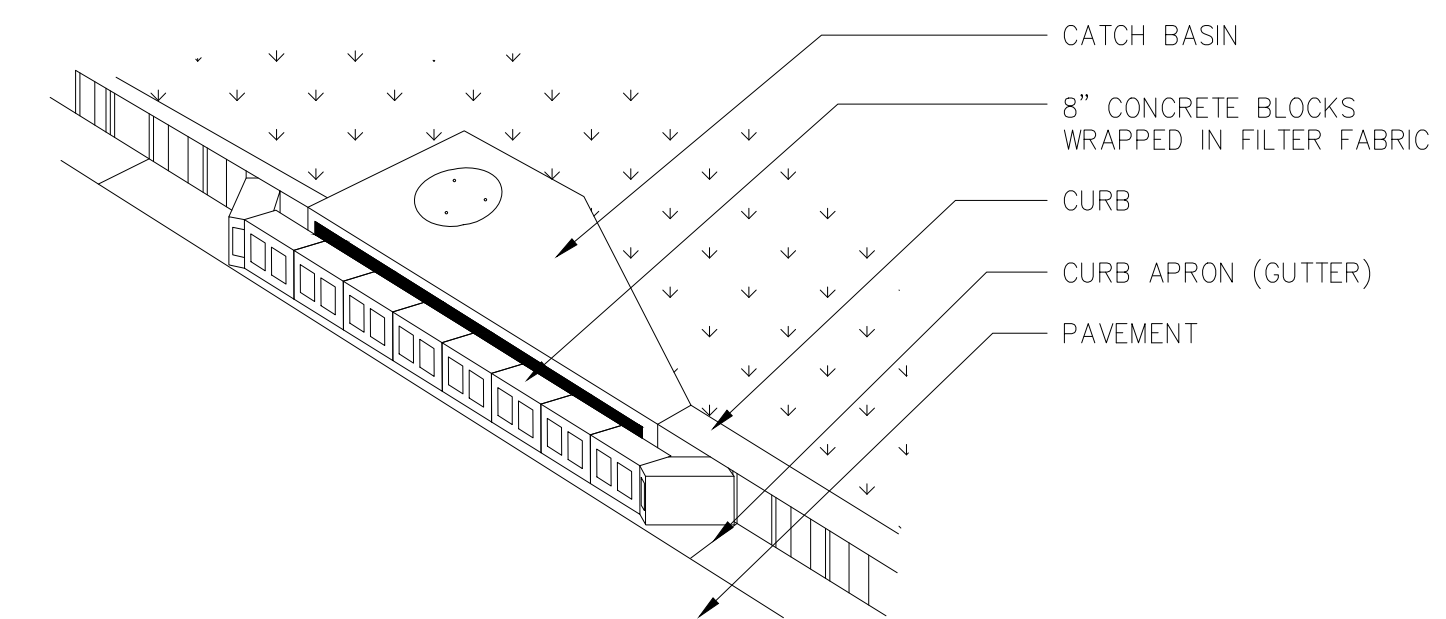


SECTION B-B

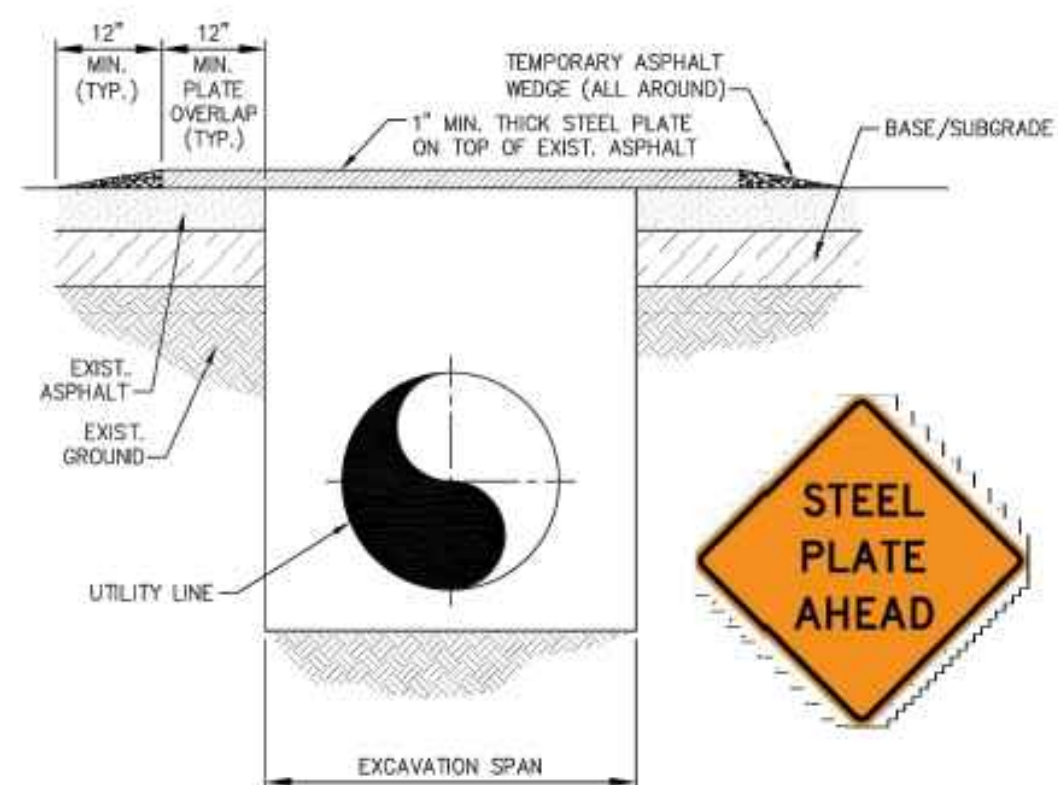


**NOTES:**

1. INSTALL FILTER AFTER ANY ASPHALT PAVEMENT INSTALLATION.
2. WRAP 8" CONCRETE BLOCKS IN FILTER FABRIC AND SPAN ACROSS CATCH BASIN INLET.
3. FACE OPENINGS IN BLOCKS OUTWARD.
4. LEAVE A GAP OF APPROXIMATELY 4 INCHES BETWEEN THE CURB AND THE FILTERS TO ALLOW FOR OVERFLOW TO PREVENT HAZARDOUS PONDING.
5. INSTALL OUTLET PROTECTION BELOW STORM DRAIN OUTLETS.



**Sd2-P**



**NOTES:**

1. INSTALLATION SHALL BE USED IN AREAS WHERE BACKFILLING OPERATIONS OF AN EXCAVATION IN THE ROADWAY CANNOT MEET THE MINIMUM COMPACTION REQUIREMENTS AND PERMANENT PATCHING PLACEMENT WITHIN THE SAME DAY.
2. ALL EXCAVATIONS SHALL BE BACKFILLED WITHIN THE ROADWAY.
3. EACH PLATE IS TO OVERLAP EXISTING PAVEMENT 12" MINIMUM IN EVERY DIRECTION AND MULTIPLE PLATES SHALL ABUT AND BE SECURED TO EACH OTHER.
4. EACH STEEL PLATE SHALL BE ANCHORED SECURELY TO PREVENT MOVEMENT.
5. TEMPORARY PAVING WITH A COLD ASPHALT MIX OR APPROVED EQUAL SHALL BE USED TO FEATHER EDGES OF THE PLATE TO FORM A WEDGED TAPER TO COVER THE EDGES OF THE STEEL PLATE.
6. THE STEEL PLATE SHALL BE REMOVED WITHIN 30 DAYS OF PLACEMENT WITH THE EXCAVATION MEETING THE MINIMUM COMPACTION REQUIREMENTS AND PERMANENT PATCHING INSTALLED.
7. ANY DITCH LINE REQUIRING A STEEL PLATE LONGER THAN 30 DAYS SHALL REQUIRE DCDMM'S WRITTEN APPROVAL.
8. WARNING SIGNS ADVISING MOTORIST THAT THEY SHOULD EXPECT TO ENCOUNTER STEEL PLATES SHALL BE PLACED APPROXIMATELY 100 FEET IN ADVANCE OF THE STEEL PLATE LOCATION. THE SIGNS SHALL MEET MUTCD SIGN SIZE REQUIREMENTS, SHALL STATE STEEL PLATE AHEAD, AND SHALL BE VISIBLE TO THE MOTORIST.

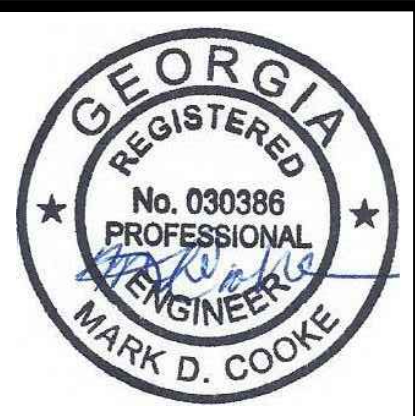
### STEEL PLATE INSTALLATION DETAIL

**GSWCC** GEORGIA SOIL AND CONSERVATION COMMISSION

**MR. MARK D. COOKE, PE**  
Level II Certified Design Professional

CERTIFICATION NUMBER 0000029484  
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0	09/24/19	EFR

DEKALB COUNTY DWM  
SCOTT BOULEVARD WATER MAIN REPLACEMENT-PHASE II  
30-IN WATER LINE UNDER MARTA/CSX RAILROAD CROSSING

**EROSION CONTROL  
DETAILS**

DRAWING No.  
**EC-15**





**GSWCC EROSION, SEDIMENTATION AND POLLUTION CONTROL NOTES (cont.)**

43 ON AND OFF-SITE DRAINAGE BASIN MAP:



IMPAIRED STREAM: SOUTH FORK PEACHTREE CREEK (GAR031300011207)

134-ACRE BASIN TO SOUTH FORK PEACHTREE CREEK TRIBUTARY C

DEKALB INDUSTRIAL WAY - BASIN AREA MAP

REPRESENTATIVE SAMPLING POINT

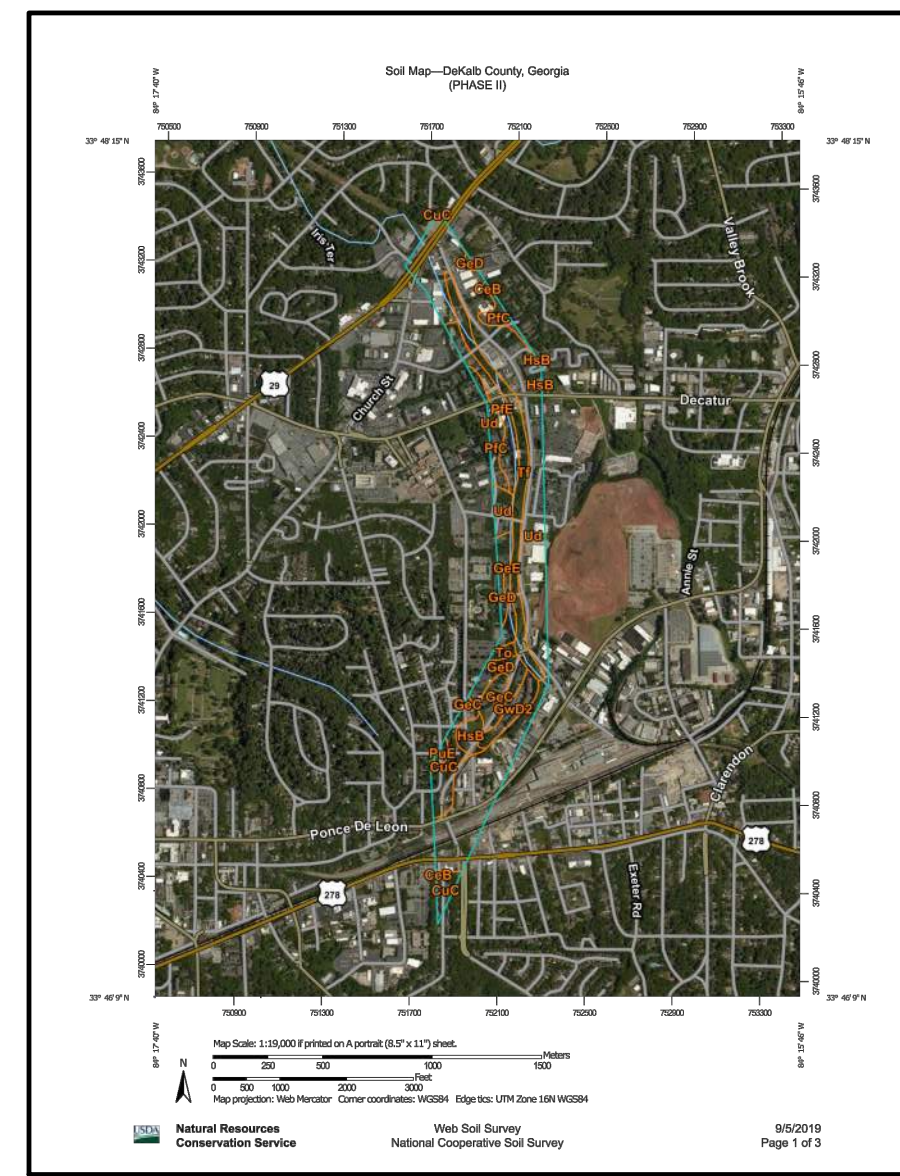
**OFF-SITE WATERSHED DESCRIPTION:**

THIS 134-ACRE BASIN CONSISTING OF RESIDENTIAL AND COMMERCIAL PROPERTIES PRODUCE STORM WATER RUNOFF SHEET FLOWS THAT ENTER THE RIGHT-OF-WAY OF DEKALB INDUSTRIAL WAY INTO ENCLOSED STORM SEWER SYSTEMS WHICH CROSS UNDER DEKALB INDUSTRIAL WAY. STORM WATER IN THIS ENCLOSED SYSTEM CONTINUES TO FLOW NORTHWARD AND DISCHARGE INTO SOUTH FORK PEACHTREE CREEK TRIBUTARY C.

44 THIS PROJECT INCLUDES INSTALLATION OF A LINEAR PIPELINE, DOES NOT INCREASE IMPERVIOUS AREA, DOES NOT GROUND COVER, AND DOES NOT CHANGE SLOPE OF THE BASIN OR ALTER STORM WATER PATTERNS IN ANY WAY. THE ENGINEER CERTIFIES THAT THERE WILL BE NO CHANGE IN RUNOFF COEFFICIENT OR PEAK DISCHARGE FLOW OF THE SITE DUE TO CONSTRUCTION UNDER THIS PERMIT.

45 THERE ARE NO PROPOSED STORM DRAIN PIPE SYSTEMS AND NO PROPOSED MODIFICATION TO ANY EXISTING STORM DRAIN SYSTEMS OR OUTFALL POINTS.

46 SEE SOIL SURVEY MAP BELOW FOR SOIL SERIES DELINEATIONS.



**Map Unit Legend**

Map Unit Symbol	Map Unit Name	Area in Acre	Percent of Acre
CMB	Clay sandy loam, 2 to 6 percent slope	0.8	0.3%
CVC	Clay silt loam complex, 2 to 10 percent slope	13.1	6.6%
GAC	Clayey sandy loam, 8 to 10 percent slope	6.1	3.1%
GAD	Clayey sandy loam, 10 to 15 percent slope	9.3	4.7%
GAE	Clayey sandy loam, 15 to 30 percent slope	6.3	3.2%
GAD2	Clayey sandy clay loam, 10 to 15 percent slope, eroded	6.6	3.3%
HAB	Heavy sandy loam, 2 to 8 percent slope	4.8	2.3%
HIC	Heavy sandy loam, 2 to 10 percent slope	9.4	4.6%
HIE	Heavy sandy loam, 10 to 30 percent slope	11.5	5.6%
HLE	Heavy clay loam complex, 10 to 20 percent slope	1.1	0.5%
TI	Tillage sandy loam, 0 to 2 percent slope, irregularly flooded	20.8	10.2%
TG	Tillage sandy loam, high	1.6	0.8%
UW	Urban land	107.2	51.7%
	<b>Total for Area of Interest</b>	<b>198.2</b>	<b>100.0%</b>

47 LIMITS OF DISTURBANCE ARE SHOWN ON COVER SHEET AND ALL EROSION CONTROL PLAN SHEETS.

48 PROVIDING A MINIMUM OF 67 CYDS OF SEDIMENT STORAGE PER ACRE DRAINED CANNOT BE ACCOMPLISHED ON THIS PROJECT DUE TO THE NATURE OF THE TYPE OF LAND DISTURBANCE TO OCCUR DURING UTILITY INSTALLATION. THE PROPOSED 8" DIP WILL BE INSTALLED IN AN EXISTING PAVED AREA USING OPEN CUT TRENCHES IN MOST PLACES THAT WILL APPROXIMATE 4 FEET IN WIDTH. SILT FENCING ALONG THE BACK OF CURB AREAS WILL BE INSTALLED. INLET PROTECTION BMPs WILL BE UTILIZED AND METAL PLATES WILL BE UTILIZED TO COVER ANY OPEN TRENCHES TO PREVENT THE ESCAPE OR TRANSPORT OF SEDIMENT FROM THE UTILITY TRENCHES. BY CONSTRUCTING THE PIPELINE IN THIS MANNER, THE PROJECT MINIMIZES LAND DISTURBING ACTIVITIES OTHERWISE REQUIRED TO PROVIDE SEDIMENT STORAGE.

49 THE LOCATION OF BEST MANAGEMENT PRACTICES CONSISTENT WITH THE MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA AND UNIFORM CODING SYSTEM SYMBOLS WITH LEGEND CAN BE FOUND ON SHEET EC-01 THROUGH EC-14.

50 DETAILED DRAWINGS FOR ALL STRUCTURAL PRACTICES CAN BE FOUND ON SHEET EC-15.

51 PROVISIONS FOR VEGETATIVE BMPs CAN BE FOUND ON SHEETS EC-01 THROUGH EC-14. SITE SPECIFIC INFORMATION REGARDING SPECIES, PLANTING DATES AND SEEDING, FERTILIZER, LIME AND MULCHING RATES APPLICABLE TO THE TIME OF YEAR SEEDING WILL TAKE PLACE CAN BE FOUND ON SHEET EC-16.

Chief Executive Officer DEPARTMENT OF PLANNING & SUSTAINABILITY Director  
Michael Thurmond Andrew A. Baker, AICP

404.371.2155 (o) Clark Harrison Building  
404.371.4556 (f) 330 W. Ponce de Leon Ave  
DeKalbCountyGA.gov Decatur, GA 30030

**\*\*\*ENGINEER'S CERTIFICATE\*\*\***

**FLOODPLAINS**

I, Michael K. Wooten

a registered professional engineer in the State of Georgia hereby certify with my signature and seal, that the grading and drainage plans for the project known as Scott Blvd Water Main Replacement Phase II

Development Permit # 1244583 lying in Land Lot 63, of the 18th District, DeKalb County, have been reviewed under my supervision, and state that, in my opinion, the execution of said plans has not diminished the natural storage capacity of the adjacent flood plain, nor caused any increase in the flood levels of the Base Flood (IRF 00 Year Flood), and is in compliance with the DeKalb County Land Development Ordinance.

This the 7th day of May, 2021

Signature: *Michael K. Wooten*



Georgia Registration No.

26753

Revised 1/31/2017

**GSWCC** GEORGIA SOIL AND CONSERVATION COMMISSION

**MR. MARK D. COOKE, PE**  
Level II Certified Design Professional

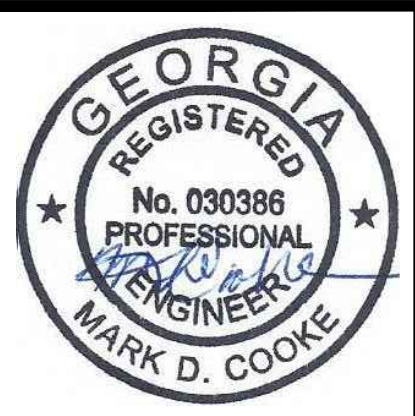
CERTIFICATION NUMBER: 0000029484  
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**24 HR EMERGENCY CONTACT**

JULIO TRINIDAD  
DEKALB COUNTY DWM  
(404) 687-3457

TOTAL DISTURBED  
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100% SUBMITTAL



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DEKALB COUNTY DWM  
SCOTT BOULEVARD WATER MAIN REPLACEMENT-PHASE II  
30-IN WATER LINE UNDER MARTA/CSX RAILROAD CROSSING

**EROSION CONTROL NOTES**

DRAWING No. **EC-18**



**EROSION, SEDIMENTATION & POLLUTION CONTROL PLAN CHECKLIST**  
**INFRASTRUCTURE CONSTRUCTION PROJECTS**

SWCD: DEKALB COUNTY, GA Project Name: SCOTT BOULEVARD WATER MAIN REPLACEMENT  
 Address: INTERSECTION OF LAWRENCEVILLE HWY (US 78) & DEKALB INDUSTRIAL WAY TO THE INTERSECTION OF GROVE PL & PONCE DE LEON AVE.

City/County: DEKALB COUNTY Date on Plans: 09/24/2019  
 Name & email of person filling out checklist: Mark D. Cooke email: mcooke@skyline-ec.com  
 Plan Included

**TO BE SHOWN ON ES&CP PLAN**

EC-19	<input type="checkbox"/>	Y
ALTER PLAN SHEETS	<input type="checkbox"/>	Y
ALTER PLAN SHEETS	<input type="checkbox"/>	Y
EC-17	<input type="checkbox"/>	Y
COVER	<input type="checkbox"/>	Y
TBLK	<input type="checkbox"/>	Y
EC-17	<input type="checkbox"/>	Y
COVER	<input type="checkbox"/>	Y
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EC-17	<input type="checkbox"/>	Y
ALTER PLAN SHEETS	<input type="checkbox"/>	Y
ALTER PLAN SHEETS	<input type="checkbox"/>	Y
EC-15	<input type="checkbox"/>	Y
EC-16	<input type="checkbox"/>	Y

**APPENDIX 1**  
**THE ES&CP PLAN MUST INCLUDE AT LEAST FOUR (4) OF THE FOLLOWING BMPs FOR THOSE AREAS OF THE SITE WHICH DISCHARGE TO AN IMPAIRED STREAM SEGMENT AND FOR SITES WHICH EPD HAS APPROVED IN WRITING A REQUEST TO DISTURB 50 ACRES OR MORE AT ANY ONE TIME.**

The four items chosen must be appropriate for the site conditions.

Plan Page #	Included Y/N
<input type="checkbox"/>	<input type="checkbox"/>
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<input type="checkbox"/>	<input type="checkbox"/>	p. Install sod for a minimum 20 foot width (in lieu of seeding) after final grade has been achieved, along the site perimeter wherever storm water (including sheet flow) may be discharged.
<input type="checkbox"/>	<input type="checkbox"/>	q. Conduct soil tests to identify and to implement site-specific fertilizer needs.
<input type="checkbox"/>	<input type="checkbox"/>	r. Certified personnel for primary permittees shall conduct inspections at least twice every seven (7) calendar days and within 24 hours of the end of the storm that is 0.5 inches rainfall or greater in accordance with Part IV.D.4.a.(3)(a) - (c); secondary permittees, Part IV.D.4.b.(3) (a) - (c); and tertiary permittees Part IV.D.4.c.(3)(a) - (c). *
<input type="checkbox"/>	<input type="checkbox"/>	s. Apply the appropriate compost blankets (minimum depth 1.5 inches) to protect soil surfaces until vegetation is established during the final stabilization phase of the construction activity.
<input type="checkbox"/>	<input type="checkbox"/>	t. Use alternative BMPs whose performance has been documented to be superior to conventional BMPs as certified by a Design Professional (unless disapproved by EPD or the State Soil and Water Conservation Commission). (If using this item please refer to the Alternative BMP guidance document found at www.gaswcc.georgia.gov)
<input type="checkbox"/>	<input type="checkbox"/>	u. Limit the total planned site disturbance to less than 15% impervious surfaces (excluding any state mandated buffer areas from such calculations). All calculations must be included in the plan.

**Effective January 1, 2018**

\* This requirement is different for infrastructure projects. Certified personnel for primary permittees shall conduct inspections at least once every seven (7) calendar days and within 24 hours of the end of the storm that is 0.5 inches rainfall or greater in accordance with Part IV.D.4.a.(3)(a) - (c) of this permit.



**MR. MARK D. COOKE, PE**  
 Level II Certified Design Professional

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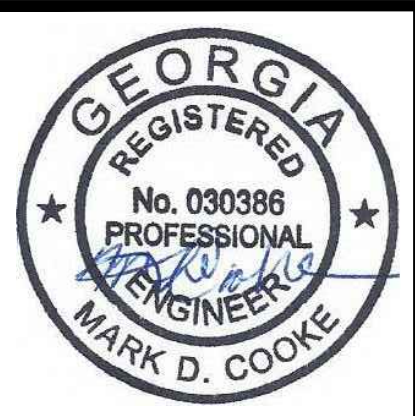
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DEKALB COUNTY DWM  
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 30-IN WATER LINE UNDER MARTA/CSX RAILROAD CROSSING

**ES&CP CHECKLIST**

DRAWING No.  
**EC-19**