

GENERAL SITE CONSTRUCTION NOTES

- GENERAL NOTES ARE FOR TYPICAL CONSTRUCTION ACTIVITIES AND MAY INCLUDE INFORMATION NOT APPLICABLE TO THE SCOPE OF WORK.
- CALL "MISS UTILITY" (202-265-7177 OR 811) PRIOR TO THE START OF CONSTRUCTION SO THAT EXISTING UTILITIES CAN BE FIELD-MARKED. COMPLY WITH MISS UTILITY REQUIREMENTS FOR UTILITY LOCATION.
- ALL EXISTING UTILITIES MAY NOT BE INDICATED ON THE PLANS. AS A FIRST STEP IN CONSTRUCTION, PROVIDE UTILITY DESIGNATIONS FOR ALL AREAS WITHIN THE LIMITS OF EXCAVATION TO DETERMINE LOCATIONS OF EXISTING UTILITIES. EXCAVATE TEST PITS FOR UTILITIES TO REMAIN TO DETERMINE LOCATION AND ELEVATION. VERIFY EXISTING UTILITIES WILL NOT CONFLICT WITH THE PROPOSED WORK. NOTIFY THE ENGINEER IF EXISTING UTILITIES CONFLICT WITH THE PROPOSED WORK.
- AMT, LLC AND THE ENGINEER OF RECORD ARE NOT RESPONSIBLE FOR JOB SITE SAFETY, SUPERVISION, OR ANY DAMAGE OR INJURY SUSTAINED DURING CONSTRUCTION BY ANY PERSON, VEHICLES OR EQUIPMENT USED ON OR ADJACENT TO THE SITE.
- CONTRACTOR SHALL ENGAGE A DC-LICENSED SURVEYOR TO FIELD VERIFY PROJECT PROPERTY BOUNDARY FOR CONSTRUCTION PER DC AGENCY STANDARDS AND COMPLY WITH ALL REQUIRED BUILDING INSPECTIONS. NOTIFY THE ENGINEER IF DISCREPANCIES EXIST WITH THE PLANS.
- CONTRACTOR IS RESPONSIBLE FOR OBTAINING ANY AND ALL DC AGENCY PERMITS NOT PROVIDED WITH THE CONSTRUCTION DOCUMENTS, INCLUDING WORK REQUIRED TO OBTAIN PERMITS, PERMIT PROCESSING, INSPECTIONS, AND PERMIT CLOSEOUTS.
- REFER TO THE TECHNICAL SPECIFICATIONS FOR ADDITIONAL PROJECT REQUIREMENTS.
- CODES AND STANDARDS INCLUDED ON THE PLANS ARE FOR GENERAL INFORMATION ONLY AND DO NOT NECESSARILY REPRESENT THE MOST CURRENT OR COMPLETE STANDARDS REQUIRED TO INSTALL THE WORK. REFER TO APPLICABLE CODES AND STANDARDS AT ALL TIMES.
- MAKE FIELD ADJUSTMENTS AS NECESSARY TO MEET EXISTING CONDITIONS WHEN AUTHORIZED BY THE OWNER'S REPRESENTATIVE.
- MAINTAIN A WORKING COPY OF CONSTRUCTION PLANS HAND-MARKED IN RED WITH ALL CONSTRUCTED FEATURES, ACCURATELY MEASURED, THAT DEVIATE FROM THE APPROVED CONSTRUCTION PLANS. THIS SET OF RECORD "AS-BUILT" DRAWINGS SHALL BE PROVIDED TO THE OWNER'S REPRESENTATIVE AT THE COMPLETION OF CONSTRUCTION.
- CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE AMERICANS WITH DISABILITIES ACT (ADA).
- MAINTAIN FIRE DEPARTMENT, EMERGENCY, SERVICE, DELIVERY, AND PEDESTRIAN (INCLUDING ADA) ACCESS TO THE SURROUNDING AREA. MAINTAIN ACCESS TO EXISTING FIRE HYDRANTS IN AND ADJACENT TO THE SITE.
- CONTRACTOR SHALL PROVIDE & MAINTAIN PERMANENT SECURITY AT ALL SITES FOR THE LENGTH OF CONSTRUCTION. COORDINATE TEMPORARY PERIMETER SECURITY MEASURES WITH THE OWNER.

PUBLIC SPACE GENERAL NOTES (IF APPLICABLE)

- ALL CONSTRUCTION IN THE RIGHT-OF-WAY SHALL BE PERFORMED IN ACCORDANCE WITH THE LATEST EDITION OF THE STANDARDS AND SPECIFICATIONS INCLUDING:

DC DEPARTMENT OF TRANSPORTATION (DDOT)

DC WATER AND SEWER AUTHORITY (DC WATER)

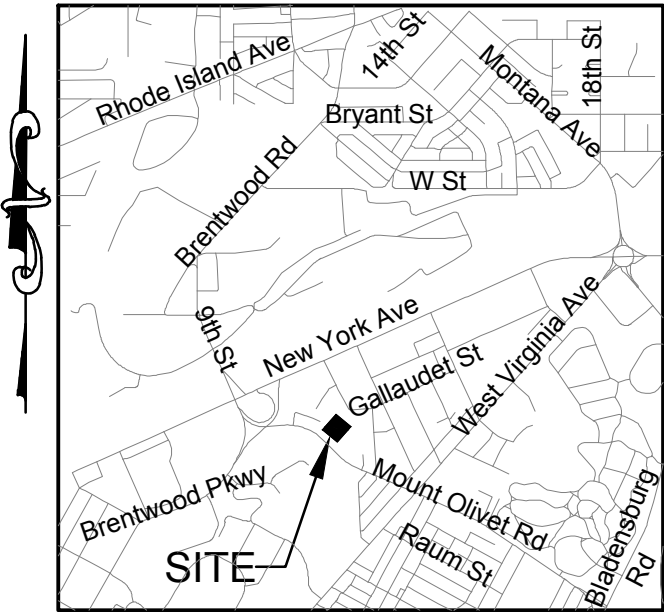
DC DEPARTMENT OF THE ENVIRONMENT (DDOE)
- ALL WORK IN PUBLIC SPACE SHALL BE SUBJECT TO A DDOT PUBLIC SPACE PERMIT.
- ALL RESTORATION IN PUBLIC SPACE SHALL BE IN ACCORDANCE WITH DDOT'S STANDARD SPECIFICATIONS FOR HIGHWAYS AND STRUCTURES, LATEST EDITION.
- ALL EXISTING ROADWAY SIGNS, PARKING METERS, AND TRAFFIC CONTROLS SHALL REMAIN OPERATIONAL AND VISIBLE DURING ALL PHASES OF CONSTRUCTION UNLESS OTHERWISE APPROVED BY DDOT. REMOVE, REPLACE, OR RELOCATE EXISTING SIGNS AFFECTED BY THE WORK WITH DDOT APPROVAL.
- ALL WORK WITHIN EXISTING PUBLIC-SPACE AREAS SHALL BE PROPERLY CORDONED OFF WITH APPROPRIATE SAFETY AND TRAFFIC CONTROLS IN ACCORDANCE WITH THE CURRENT "MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES" STANDARDS AND THE DC TEMPORARY TRAFFIC CONTROL MANUAL. CONTRACTOR SHALL OBTAIN A DDOT-APPROVED MAINTENANCE OF TRAFFIC PLAN AND ASSOCIATED PUBLIC SPACE PERMIT AS REQUIRED FOR OCCUPYING PUBLIC SPACE.
- REMOVE ALL PUBLIC SPACE FEATURES AS REQUIRED TO INSTALL THE PROPOSED PROJECT'S WORK AND REPLACE PER DDOT STANDARDS. LIMITS OF REMOVAL AND REPLACEMENT MAY NOT BE FULLY SHOWN ON THE PLANS, AND ARE APPROXIMATE IF SHOWN.
- REINSTALL OR REPLACE ALL ROAD SIGNS (STOP SIGNS, TRAFFIC SIGNS, PARKING SIGNS, ETC.) AFFECTED BY THE PROPOSED WORK. COORDINATE NEW OR ADJUSTED SIGNS WITH THE DDOT INSPECTOR.
- CONTACT THE DDOT INSPECTOR TO DETERMINE IF PUBLIC SPACE FEATURES (STREET LIGHTS, BENCHES, TRASH CANS, STONE CURBING, ETC.) SHOWN TO BE DEMOLISHED ARE REQUIRED TO BE SALVAGED. FOLLOW DDOT PROCEDURES FOR SALVAGED ITEMS.

GRADING & DRAINAGE NOTES

- MAINTAIN EXISTING DRAINAGE FACILITIES ON AND THROUGH THE SITE AT ALL TIMES DURING CONSTRUCTION. PROVIDE TEMPORARY FACILITIES, PUMPING ARRANGEMENTS, AND/OR CONNECTIONS AS REQUIRED TO MAINTAIN DRAINAGE.
- SITE GRADING AND PAVING WORK SHALL BE DONE IN SUCH A MANNER TO INSURE POSITIVE DRAINAGE TO ALL EX. AND NEW STORM DRAIN INLETS, AND PREVENT PONDING ON FINISHED SURFACES WITH NO LOW POINTS WHERE THERE ARE NO NEW INLETS/DRAINS TO LET RUNOFF ENTER THE BELOW GRADE SYSTEM..
- SPOT ELEVATIONS SHOWN AS TYING INTO EXISTING PAVING ARE BASED ON THE FINISHED FLOOR ELEVATION OF THE BUILDING BEING SET AT 125.00. THE CONTRACTOR SHALL USE THIS ELEVATION AS THE DATUM FOR ALL NEW SPOT ELEVATIONS AND GRADES INDICATED ON THIS PLAN. ANY DISCREPANCIES SHALL BE PROVIDED TO THE DESIGN ENGINEER. CONTRACTOR SHALL MATCH EXISTING GRADES AT THE DOORS AND PROVIDE SMOOTH TRANSITION WHERE TYING PROPOSED WORK TO EXISTING GRADE.
- ADA ACCESSIBLE ROUTES SHALL BE INSTALLED WITHIN 2% MAX CROSS SLOPE IN ALL DIRECTION EXCEPT AT THE SYNTHETIC TURF AREA.
- NEW CONCRETE PAVERS/WALK AREAS SHALL HAVE A CROSS SLOPE MIN 1%, MAX 2% TO DRAIN AS SHOWN ON THE DRAWING, OR WHERE NOT INDICATED, TOWARD THE GENERAL DRAINAGE DIRECTION.
- THE TOP GRATES OF THE TWO INLETS SHALL BE REMOVED AND ADJUSTMENTS TO STRUCTURE SHALL BE MADE TO ENABLE NEW TRENCH DRAINS TO CONNECT TO EXISTING STRUCTURE. SEE UTILITY PLAN FOR ADDITIONAL INFORMATION. ASSURE NEW TRENCH DRAIN GRATES ARE SET FLUSH WITH FINISHED CONCRETE WALK ELEVATIONS.
- STABILIZE ALL NON-PAVED AREAS WITH PERMANENT SEEDING OR SOD PER THE SPECIFICATIONS AS NEEDED. SEE SEDIMENT CONTROL PLANS FOR ADDITIONAL INFORMATION.
- THE ONSITE CONCRETE PAVERS SHALL BE PER THE DETAILS SHOWN ON CIVIL C-4.1 AND C-4.2.

DYRS COURTYARD & GYMNASIUM RENOVATION

LOCATION OF SITE
1000 MOUNT OLIVET ROAD, NE
SQUARE 4049
LOT 0034
WASHINGTON, DISTRICT OF COLUMBIA



VICINITY MAP
SCALE: 1"=2000'

SHEET INDEX	
SHEET TITLE	SHEET NUMBER
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DEMOLITION PLAN	C-2.0
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ABBREVIATIONS & DEFINITIONS

ASPH.	ASPHALT	ONSITE	ON THE PROJECT PROPERTY
CB	CATCH BASIN	OFFSITE	OFF THE PROJECT PROPERTY
CLF	CHAIN LINK FENCE	PROP.	PROPOSED
CO	CLEANOUT	SAN./S/SS	SANITARY SEWER
CONC.	CONCRETE	SCH	SCHEDULE
DIAM.	DIAMETER	SD	STORM DRAIN
E/ELEC.	ELECTRIC	STD.	STANDARD
ELEV.	ELEVATION	T	TELEPHONE
EX.	EXISTING	TYP.	TYPICAL
G	GAS	W	WATER
GM	GAS METER	W/	WITH
JB	JUNCTION BOX	WM	WATER METER
INV.	INVERT	WV	WATER VALVE
MAX.	MAXIMUM		
MIN.	MINIMUM		
MH	MANHOLE		

DISTRICT AGENCIES

DISTRICT DEPARTMENT OF
ENERGY & ENVIRONMENT
1200 FIRST STREET, NW
WASHINGTON, DC 20002
(202) 535-2600

DISTRICT DEPARTMENT OF
CONSUMER
& REGULATORY AFFAIRS
1100 4TH STREET, SW
WASHINGTON, DC 20024
(202) 442-4400

PROPERTY INFORMATION

SQUARE 4049
LOT = 0034
AREA = 13680
ZONING = R-4

GENERAL UTILITY NOTES

- THE EXISTING UTILITIES AND OBSTRUCTIONS SHOWN ARE FROM THE BEST AVAILABLE RECORDS AND SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION.
- THE CIVL UTILITY PLAN APPLIES ONLY TO EXTERIOR WATER, STORM SEWER, AND SANITARY SEWER WORK. ALL OTHER EXTERIOR UTILITY WORK IS THE RESPONSIBILITY OF OTHERS AND, IF DEPICTED ON THE UTILITY PLAN, IS SHOWN AS APPROXIMATE.
- EXISTING UTILITIES MAY NOT BE INDICATED ON THE PLANS. AS A FIRST STEP IN CONSTRUCTION, TRACE ALL AREAS WITHIN EXCAVATION LIMITS TO DETERMINE EXISTING UTILITY LOCATIONS. EXCAVATE TEST PITS FOR UTILITIES TO REMAIN, TO DETERMINE LOCATION AND ELEVATION. NOTIFY THE ENGINEER IF EXISTING UTILITIES CONFLICT WITH PROPOSED WORK.
- CONTRACTOR SHALL CONFIRM EXISTING UTILITY LOCATIONS AND DEPTHS OF AT PROPOSED CROSSINGS AND CONNECTIONS, AS A FIRST STEP IN CONSTRUCTION, TO VERIFY PROPOSED UTILITY LAYOUT AND CONNECTIONS ARE VIABLE. CONTRACTOR SHALL CONTACT THE OWNER'S REPRESENTATIVE AS SOON AS ANY CONFLICTS ARE DISCOVERED.
- COMPLY WITH UTILITY OWNER'S REQUIREMENTS FOR UTILITY ABANDONMENT AND INSTALLATION.
- REMOVE ABANDONED UTILITIES AS REQUIRED FOR CONSTRUCTION OF PROPOSED IMPROVEMENTS.
- ADJUST ALL EXISTING & PROPOSED UTILITY COVERS (FRAME AND LIDS) WITHIN PROJECT LIMITS TO MATCH FINISHED GRADE ELEVATION AND SLOPE. ELEVATIONS INDICATED FOR PROPOSED UTILITY COVERS SHOWN ARE APPROXIMATE.
- INSTALL ADDITIONAL MANHOLE STEPS AS NEEDED IN EXISTING MANHOLES WITH COVERS TO BE RAISED, TO MAINTAIN CONSISTENT STEP DISTANCE.
- PHASE ALL UTILITY WORK TO MAINTAIN UTILITY SERVICES TO SURROUNDING AREAS DURING ALL PHASES OF DEMOLITION, EXCAVATION, AND CONSTRUCTION. LIMIT REQUIRED UTILITY SHUT-DOWNS IN NUMBER AND DURATION, AND COORDINATE THESE WITH THE UTILITY OWNER AND AFFECTED PARTIES.
- ALL WATER, SEWER, AND STORM WORK SHALL BE CONSTRUCTED IN ACCORDANCE WITH DC WATER STANDARDS AND SPECIFICATIONS.
- PREPARE AND SUBMIT UTILITY AS-BUILT PLANS TO DC WATER PER DC WATER REQUIREMENTS.
- RESTORE OR REPLACE EXISTING FEATURES DISTURBED BY THE UTILITY WORK, INCLUDING SURFACE PAVEMENT.
- ABANDON BUILDINGS' EXISTING WATER, SANITARY SEWER, AND STORM SEWER LATERALS WHICH ARE TO BE REMOVED FROM SERVICE PER DC WATER STANDARDS, INCLUDING (BUT NOT LIMITED TO) DISCONNECTION OF THE LATERAL AT THE UTILITY MAIN, PLUGGING/SEALING THE UTILITY MAIN, AND REMOVAL OF METERS, VALVES, APPURTENANCES, ETC. REFER TO DC WATER STANDARDS FOR ABANDONMENT PER TYPE OF LATERAL AND UTILITY MAIN AND COORDINATE WITH THE DC WATER INSPECTOR.
- LOCATE GATE VALVES FOR BUILDING SERVICES AS CLOSE TO THE WATER MAIN TEE AS POSSIBLE BASED ON FIELD LOCATION OF CONFLICTING EXISTING UTILITIES. COORDINATE WITH THE DC WATER INSPECTOR. PROVIDE DIP SWIVEL TEE (AWWA C111) ON EXISTING MAIN IF REQUIRED TO AVOID EXISTING UTILITIES.
- STORM DRAIN AND SANITARY SEWER BUILDING LATERALS SHALL BE SCHEDULE 40 PVC UNLESS OTHERWISE NOTED. CLEANOUTS SHALL MATCH THE PIPE DIAMETER AND SHALL BE INSTALLED AT LOCATIONS SHOWN ON THE PLANS AND AT HORIZONTAL AND VERTICAL BENDS. WYE CONNECTIONS TO PUBLIC GRAVITY MAINS SHALL MATCH THE EXISTING PIPE MATERIAL; CONTRACTOR SHALL FIELD-VERIFY PRIOR TO ORDERING MATERIALS.
- REFER TO DC WATER GENERAL CONSTRUCTION NOTES FOR ADDITIONAL REQUIREMENTS.

GENERAL SITE DEMOLITION NOTES

- ITEMS TO BE ABANDONED OR DEMOLISHED ARE NOTED OR SHOWN BOLD/HATCHED ON THE DEMOLITION PLAN, BUT ARE SHOWN APPROXIMATE IN LOCATION AND SCALE. THE CONTRACTOR IS RESPONSIBLE FOR THE DEMOLITION, REMOVAL, AND REPLACEMENT OF ALL EXISTING FEATURES AS REQUIRED FOR INSTALLATION OF PROPOSED IMPROVEMENTS. DEMOLITION OF ITEMS TO BE REMOVED AND REPLACED IN KIND (SUCH AS PAVEMENT FOR UTILITY INSTALLATION) IS NOT NECESSARILY DEPICTED ON THE DEMOLITION PLAN.
- COMPLY WITH UTILITY OWNER'S REQUIREMENTS FOR UTILITY DEMOLITION AND ABANDONMENT.
- SEE ARCHITECTURAL PLANS FOR ANY SELECTIVE DEMOLITION OF BUILDINGS TO REMAIN.
- SAWCUT EXISTING PAVEMENT TO BE REMOVED. SAWCUT AND REMOVE EXISTING CONCRETE SIDEWALKS AND CURB/GUTTER AT THE NEAREST JOINT.
- THE CONTRACTOR IS RESPONSIBLE FOR LOCATING ALL UTILITIES, BOTH HORIZONTALLY AND VERTICALLY, WITHIN THE LIMITS OF DISTURBANCE.
- DISCONNECT AND ABANDON UTILITY SERVICES FOR BUILDINGS/STRUCTURES TO BE RAZED OR RELOCATED PER DC WATER STANDARDS. DISCONNECTION OF PUBLIC WATER, SEWER, AND STORM UTILITIES FOR IS SUBJECT TO AN APPROVED DC WATER PERMIT/AVAILABILITY SLIP.
- DEMOLITION DEBRIS SHALL NOT BE USED FOR ONSITE BACKFILL MATERIAL UNLESS APPROVED BY THE PROPERTY OWNER AND GEOTECHNICAL ENGINEER. ALL OTHER DEMOLITION DEBRIS SHALL BE DISPOSED OF OFFSITE IN ACCORDANCE WITH ALL FEDERAL AND LOCAL APPLICABLE CODES AND REGULATIONS.
- CONTRACTOR IS RESPONSIBLE FOR THE STRUCTURAL STABILIZATION OF FEATURES TO BE DEMOLISHED AND AREAS ADJACENT TO DEMOLITION.

GENERAL EROSION AND SEDIMENT CONTROL NOTES

- ALL EROSION AND SEDIMENT CONTROL (ESC) MEASURES SHALL COMPLY WITH DDOE STANDARDS. THE DDOE INSPECTOR IS AUTHORIZED TO MODIFY THE LOCATION AND QUANTITY OF ESC MEASURES AS REQUIRED BASED ON FIELD CONDITIONS WITHOUT PLAN REAPPROVAL. CONTRACTOR SHALL ACCOMMODATE THE DDOE INSPECTOR'S MODIFICATIONS TO THE ESC PLAN.
- ESC MEASURES SHOWN ON THE ESC PLAN (LIMITS OF DISTURBANCE, SILT FENCE, ETC.) ARE SHOWN AS APPROXIMATE IN LOCATION AND SCALE FOR GRAPHIC CLARITY. CONTRACTOR SHALL MAKE MINOR ADJUSTMENTS TO THE LIMITS OF DISTURBANCE AS REQUIRED TO ALLOW ADEQUATE ROOM TO PERFORM THE WORK AND SHALL COORDINATE WITH THE DDOE INSPECTOR.
- INSTALL INLET PROTECTION ON ALL EXISTING AND PROPOSED INLETS ON AND ADJACENT TO THE LIMITS OF DISTURBANCE.
- SITE RUNOFF FROM DISTURBED AREAS SHALL BE FILTERED THROUGH A SEDIMENT CONTROL MEASURE (PER THE APPROVED ESC PLAN) PRIOR TO DISCHARGE OFF OF THE PROPERTY.
- INSTALL TREE PROTECTION FENCING WHERE THE DRIP LINE OF EXISTING TREES TO REMAIN IS LOCATED WITHIN THE CONSTRUCTION SITE. INSTALL TREE PROTECTION FENCING ALONG THE TREE DRIP LINE. TREE SYMBOLS ON THE PLAN DO NOT ACCURATELY REFLECT LIMITS OF EXISTING TREE DRIP LINES. DO NOT DISTURB, DRIVE, OR PLACE EQUIPMENT WITHIN THE TREE DRIP LINE.
- PROVIDE TEMPORARY STONE CONSTRUCTION ENTRANCE WITH WASH RACK AT THE LIMITS OF DISTURBANCE FOR PUBLIC STREET ACCESS. COORDINATE LOCATION WITH THE DDOE INSPECTOR. SUPPLEMENT STABILIZED CONSTRUCTION ENTRANCES WITH ADDITIONAL STONE AS NEEDED THROUGHOUT CONSTRUCTION. FOR LIMITED-DISTURBANCE PROJECTS, COORDINATE WITH THE DDOE INSPECTOR TO VERIFY IF TEMPORARY STONE CONSTRUCTION ENTRANCES CAN BE ELIMINATED.
- PROVIDE WATER SOURCE AND HOSE TO CLEAN ALL EQUIPMENT LEAVING SITE.
- LOCATE TEMPORARY SOIL STOCKPILE ON-SITE IN COORDINATION WITH CONSTRUCTION PHASING AND INSTALL SILT FENCE AROUND THE STOCKPILE.
- AREAS OF PUBLIC SPACE UTILITY WORK ARE PAVED AND WILL ONLY BE DISTURBED DURING BRIEF PERIODS. PLACE ALL EXCAVATED TRENCH MATERIAL ON THE UP-SLOPE SIDE OF THE TRENCH AND OUT OF THE PATH OF ANY STORMWATER RUNOFF. FILTER WATER PUMPED OUT OF TRENCH EXCAVATIONS THROUGH A SEDIMENT FILTERING DEVICE PRIOR TO DISCHARGING TO THE STORM SEWER SYSTEM.
- MAINTAIN DRAINAGE FACILITIES ON AND THROUGH THE SITE AT ALL TIMES DURING CONSTRUCTION. PROVIDE TEMPORARY FACILITIES, PUMPS, DRAINAGE PIPES, SUBSURFACE DRAINS, OR PIPE CONNECTIONS AS REQUIRED TO PREVENT PONDING OF WATER DURING CONSTRUCTION. DIVERT RUNOFF FROM UPPER AREAS BEYOND THE SITE AWAY FROM ENTERING THE CONSTRUCTION SITE. DEWATER THE SITE AS REQUIRED TO ALLOW EARTHWORK OPERATIONS. INSTALL AND MAINTAIN SEDIMENT FILTERING DEVICES SO THAT SEDIMENT LADEN WATER DOES NOT LEAVE THE SITE. DISCHARGE FILTERED CONCENTRATED RUNOFF DIRECTLY TO THE PUBLIC SEWER SYSTEM PER DDOE AND DC WATER REQUIREMENTS.
- PUBLIC SPACE SHALL BE MAINTAINED IN A CLEAN CONDITION (MUD AND DUST FREE) AT ALL TIMES. CLEAN TRUCKS AND EQUIPMENT ON-SITE TO PREVENT TRACKING OF DIRT ONTO PUBLIC SPACE.
- MINIMIZE GENERATION OF DUST DURING CONSTRUCTION IN ACCORDANCE WITH THE SPECIFICATIONS AND DDOE STANDARDS.

OWNER



DGS (DEPARTMENT OF GENERAL SERVICES)
2000 14TH STREET, NW, 8TH FLOOR
WASHINGTON, DC 20005

ARCHITECT



LANCE BAILEY & ASSOCIATES
7600 GEORGETOWN AVENUE, NW
WASHINGTON, DC 20012
T: (301)565-2285 F: (301)565-2287

STRUCTURAL ENGINEER

CONSULTING STRUCTURAL ENGINEER

6239 EXECUTIVE BOULEVARD
NORTH BETHESDA, MD 20852-3909
T: 301-816-0548 F: 301-816-0549
www.mgveengineers.com

ELECTRICAL ENGINEER



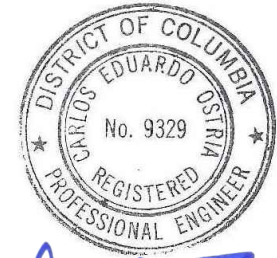
GLOBAL ENGINEERING SOLUTION
1365 PICCARD DRIVE, SUITE 200
ROCKVILLE, MD 20850
T: (301) 216-2871 F: (301) 216-9871

CIVIL ENGINEER



10 G STREET, NE, SUITE # 430
WASHINGTON, DC 20002
T: (202) 289-4545 F: (202) 289-5051
AMT PROJECT #103-506

ENGINEER'S CERTIFICATE



CERTIFICATE OF PROFESSIONAL ENGINEER
DAVID M. SMITH
No. 9329
STATE OF MARYLAND
CIVIL ENGINEERING

SUBMISSION SCHEDULE DATE

CONSTRUCTION DOCUMENTS SET 9/21/15

REVISION SCHEDULE DATE

PROJECT:

DYRS-YOUTH SERVICES
CENTER COURTYARD
RENOVATIONS

1000 MOUNT OLIVET ROAD, NE
WASHINGTON, DC 20002

SHEET TITLE:

COVER SHEET

PROJECT NO: 113-506

9/21/2015

SCALE: N/A

SHEET NO:

C-0.0



MISS UTILITY

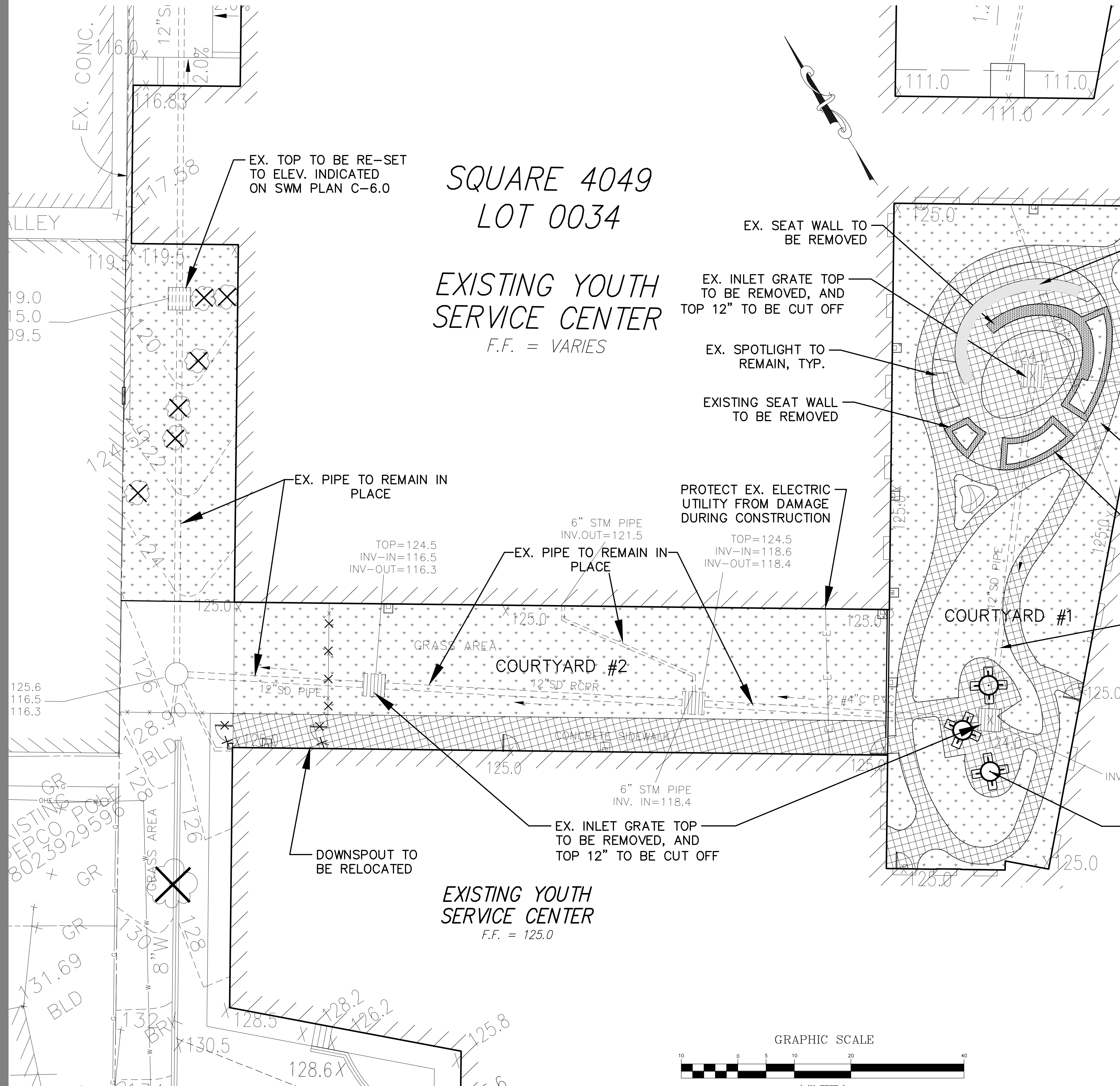
48 HOURS BEFORE YOU DIG
CALL "MISS UTILITY" AT 202-265-7177 OR 811
OR LOG ON TO <http://www.missutility.net>

This document has undergone Quality Review by the following:

Eng: _____

PM: _____

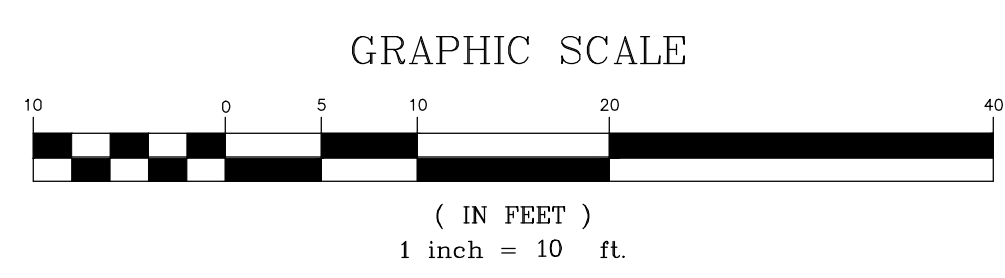
QC: _____



SQUARE 4049
LOT 0034
EXISTING YOUTH
SERVICE CENTER
F.F. = VARIES

EXISTING YOUTH
SERVICE CENTER
F.F. = 125.0

PARCEL 141 / 71
SQUARE 4040
AREA = 130,937 SQ. FT.
3.00590 ACRES



- LEGEND**
- EXISTING TOPSOIL/GRASS TO BE REMOVED
 - EXISTING WALL TO BE REMOVED
 - EXISTING CONCRETE TO BE REMOVED
 - EXISTING PICNIC TABLE TO BE REMOVED
 - EXISTING TREE TO BE REMOVED
 - EXISTING FENCE TO BE REMOVED
 - EXISTING GATE TO BE REMOVED

OWNER
DGS
DGS (DEPARTMENT OF GENERAL SERVICES)
2000 14TH STREET, NW, 8TH FLOOR
WASHINGTON, DC 20009

ARCHITECT
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GES
GLOBAL ENGINEERING SOLUTION
1365 PICCARD DRIVE, SUITE 200
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T: (301) 216-2871 F: (301) 216-9871

CIVIL ENGINEER
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10 G STREET, NE, SUITE # 430
WASHINGTON, DC 20002
T: (202) 289-4545 F: (202) 289-5051
AMT PROJECT #103-506

ENGINEER'S CERTIFICATE

DISTRICT OF COLUMBIA
DEPARTMENT OF THE DISTRICT OF COLUMBIA
OFFICE OF THE REGISTERED PROFESSIONAL ENGINEERS
No. 9329
REGISTERED PROFESSIONAL ENGINEER
Civil
JAMES M. TAYLOR
CAREER: 1980-1981
RENEWAL: 2015-2016
EXPIRATION: 2016-2017

SUBMISSION SCHEDULE	DATE
CONSTRUCTION DOCUMENTS SET	9/21/15

REVISION SCHEDULE	DATE
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PROJECT:

DYRS-YOUTH SERVICES CENTER COURTYARD RENOVATIONS

1000 MOUNT OLIVET ROAD, NE
WASHINGTON, DC 20002

SHEET TITLE:

DEMOLITION PLAN

PROJECT NO: 113-506

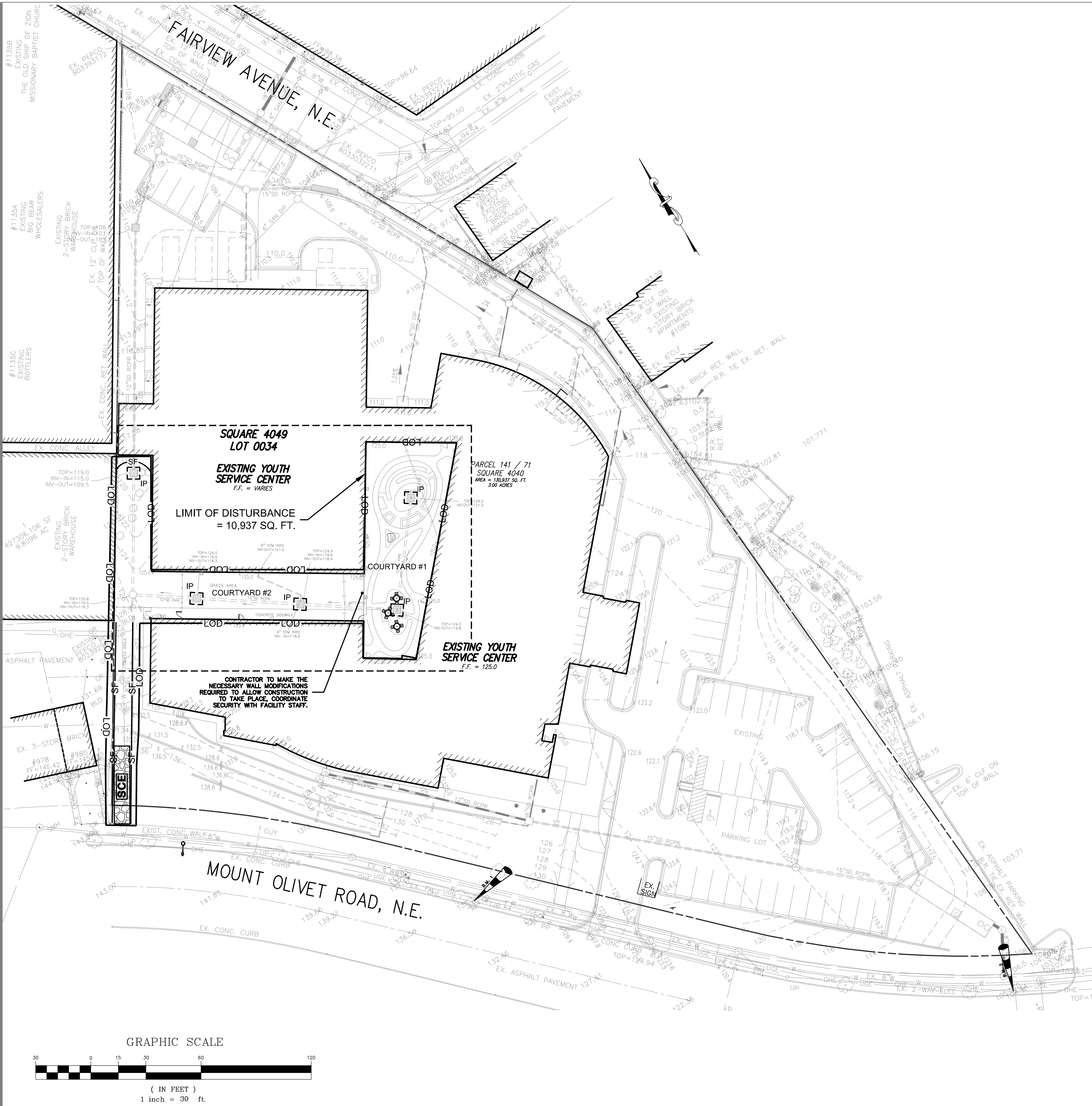
9/21/2015

SCALE: 1 IN. = 10 FT.

SHEET NO:

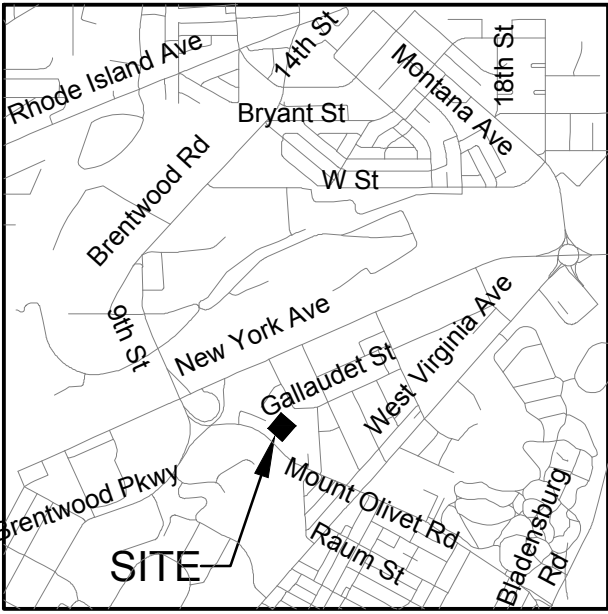
C-2.0

MISS UTILITY
48 HOURS BEFORE YOU DIG
CALL "MISS UTILITY" AT 202-265-7177 OR 811
OR LOG ON TO <http://www.missutility.net>



EROSION & SEDIMENT CONTROL NOTES

1. CONTRACTOR SHALL NOT DISTURB ANY AREA OUTSIDE OF LIMITS OF DISTURBANCE (LOD).
2. CONTRACTOR SHALL CALL THE INSPECTION AND ENFORCEMENT BRANCH, WATERSHED PROTECTION DIVISION, DISTRICT DEPARTMENT OF THE ENVIRONMENT, AT 202-535-2240, FOR A PRE-CONSTRUCTION MEETING, 72 HOURS PRIOR TO THE START OF ANY LAND-DISTURBING ACTIVITY.
3. ALL CONSTRUCTION SHALL BE INSPECTED DAILY BY THE CONTRACTOR, AND ANY DAMAGED SILTATION OR EROSION CONTROL DEVICES OR MEASURES WILL BE REPAIRED AT THE CLOSE OF THE DAY. ALL SILT FENCE (SF) SHALL BE MAINTAINED IN WORKING CONDITION.
4. IF REQUIRED, PROVIDE NEW CHAIN LINK FENCE AROUND THE STAGING AREA FOR THE DURATION OF THIS WORK.
5. STABILIZED CONSTRUCTION ENTRANCE SHALL BE PERIODICALLY SUPPLEMENTED WITH ADDITIONAL STONE, AS NEEDED.
6. CONTROLS CAN BE REMOVED AFTER THEIR CONTRIBUTING AREAS HAVE BEEN PERMANENTLY STABILIZED, AND APPROVAL OF INSPECTOR IS OBTAINED.
7. ALL CONSTRUCTION AND RESTORATION OF PAVEMENT SURFACES WITHIN PUBLIC RIGHT OF WAY SHALL BE IN ACCORDANCE WITH DDOT STANDARDS AND SPECIFICATIONS.
8. ADDITIONAL SEDIMENT CONTROL MEASURES MAY BE REQUIRED BY THE DDOT FIELD INSPECTOR.
9. OBTAIN DDOT OCCUPANCY PERMIT PRIOR TO INSTALLING EROSION & SEDIMENT CONTROL MEASURES SHOWN IN PUBLIC SPACE.



VICINITY MAP
SCALE: 1"=2000'





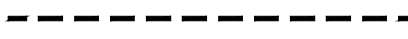
STANDARD EROSION AND SEDIMENT CONTROL MEASURES AND SEQUENCE

1. ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE PLACED PRIOR TO, OR AS THE FIRST STEP IN, GRADING.
2. PROVIDE WATER SOURCE AND HOSE TO CLEAN ALL EQUIPMENT LEAVING SITE.
3. PROCEED WITH EARTHWORK EXCAVATION AND SITE UTILITIES.
4. NO DISTURBED AREA WILL BE DENUDED FOR MORE THAN 7 CALENDAR DAYS. INSTALL NECESSARY TEMPORARY OR PERMANENT VEGETATIVE STABILIZATION MEASURES TO ACHIEVE ADEQUATE EROSION AND SEDIMENT CONTROL.
5. ALL CONSTRUCTION SHALL BE INSPECTED DAILY BY THE CONTRACTOR, AND ANY DAMAGED EROSION CONTROL DEVICES OR MEASURES WILL BE REPAIRED AT THE CLOSE OF THE DAY.
6. CONSTRUCT REMAINING SITE APPURTENANCES. ALL SILT FENCE SHALL BE MAINTAINED IN WORKING CONDITION.

SITE TABULATION

LIMITS OF DISTURBANCE = 10,937 SF

E&S CONTROL LEGEND

-  CONSTRUCTION ENTRANCE
-  LIMITS OF DISTURBANCE
-  SILT FENCE
-  INLET PROTECTION
-  LIMIT OF WORK UNDER THIS PERMIT APPLICATION

OWNER
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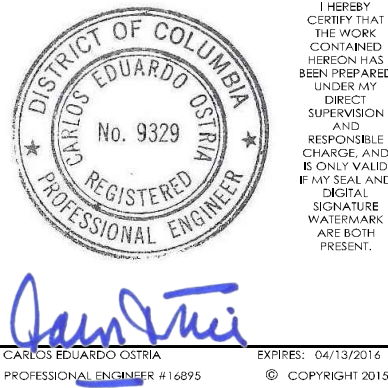
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AMT PROJECT #103-506

ENGINEER'S CERTIFICATE



SUBMISSION SCHEDULE	DATE
CONSTRUCTION DOCUMENTS SET	9/21/15
REVISION SCHEDULE	DATE
PROJECT:	
DYRS-YOUTH SERVICES CENTER COURTYARD RENOVATIONS	
1000 MOUNT OLIVET ROAD, NE WASHINGTON, DC 20002	

SHEET TITLE:
EROSION AND SEDIMENT
CONTROL PLAN

PROJECT NO: 113-506

9/21/2015

SCALE: 1 IN. = 30 FT.

SHEET NO:

C-3.0



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OR LOG ON TO <http://www.missutility.net>

- DOEE SOIL EROSION AND SEDIMENT CONTROL PLAN GENERAL NOTES:
- FOLLOWING INITIAL LAND DISTURBANCE OR RE-DISTURBANCE, PERMANENT OR INTERIM STABILIZATION MUST BE COMPLETED WITHIN SEVEN (7) CALENDAR DAYS FOR THE SURFACES OF ALL PERIMETER CONTROLS, DIKES, SWALES, DITCHES, PERIMETER SLOPES, AND SLOPES GREATER THAN THREE (3) HORIZONTAL TO ONE (1) VERTICAL (3:1); AND FOURTEEN (14) DAYS FOR ALL OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE. THESE REQUIREMENTS DO NOT APPLY TO AREAS SHOWN ON THE PLAN THAT ARE USED FOR MATERIAL STORAGE OTHER THAN STOCKPILING, OR FOR THOSE AREAS ON THE PLAN WHERE ACTUAL CONSTRUCTION ACTIVITIES ARE BEING PERFORMED. MAINTENANCE SHALL BE PERFORMED AS NECESSARY SO THAT STABILIZED AREAS CONTINUOUSLY MEET THE APPROPRIATE REQUIREMENTS OF THE DISTRICT OF COLUMBIA STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL (ESC). [21 DCMR § 542.9 (O)]
 - ESC MEASURES SHALL BE IN PLACE BEFORE AND DURING LAND DISTURBANCE. [21 DCMR § 543.6]
 - CONTACT DOEE INSPECTION (202) 535-2977 TO SCHEDULE A PRECONSTRUCTION MEETING AT LEAST THREE (3) BUSINESS DAYS BEFORE THE COMMENCEMENT OF A LAND-DISTURBING ACTIVITY. [21 DCMR § 503.7 (A)]
 - A COPY OF THE APPROVED PLAN SET WILL BE MAINTAINED AT THE CONSTRUCTION SITE FROM THE DATE THAT CONSTRUCTION ACTIVITIES BEGIN TO THE DATE OF FINAL STABILIZATION AND WILL BE AVAILABLE FOR DOEE INSPECTORS. [21 DCMR § 542.15]
 - ESC MEASURES SHALL BE IN PLACE TO STABILIZE AN EXPOSED AREA AS SOON AS PRACTICABLE AFTER CONSTRUCTION ACTIVITY HAS TEMPORARILY OR PERMANENTLY CEASED BUT NO LATER THAN FOURTEEN (14) DAYS FOLLOWING CESSATION, EXCEPT THAT TEMPORARY OR PERMANENT STABILIZATION SHALL BE IN PLACE AT THE END OF EACH DAY OF UNDERGROUND UTILITY WORK THAT IS NOT CONTAINED WITHIN A LARGER DEVELOPMENT SITE. [21 DCMR § 543.7]
 - STOCKPILED MATERIAL BEING ACTIVELY USED DURING A PHASE OF CONSTRUCTION SHALL BE PROTECTED AGAINST EROSION BY ESTABLISHING AND MAINTAINING PERIMETER CONTROLS AROUND THE STOCKPILE. [21 DCMR § 543.16 (A)]
 - STOCKPILED MATERIAL NOT BEING ACTIVELY USED OR ADDED TO SHALL BE STABILIZED WITH MULCH, TEMPORARY VEGETATION, HYDRO-SEED OR PLASTIC WITHIN FIFTEEN (15) CALENDAR DAYS AFTER ITS LAST USE OR ADDITION. [21 DCMR § 543.16 (B)]
 - PROTECT BEST MANAGEMENT PRACTICES FROM SEDIMENTATION AND OTHER DAMAGE DURING CONSTRUCTION FOR PROPER POST CONSTRUCTION OPERATION. [21 DCMR § 543.5]
 - REQUEST A DOEE INSPECTOR'S APPROVAL AFTER THE INSTALLATION OF PERIMETER EROSION AND SEDIMENT CONTROLS, BUT BEFORE PROCEEDING WITH ANY OTHER EARTH DISTURBANCE OR GRADING. [21 DCMR § 542.12 (A)]
 - REQUEST A DOEE INSPECTOR'S APPROVAL AFTER FINAL STABILIZATION OF THE SITE AND BEFORE THE REMOVAL OF EROSION AND SEDIMENT CONTROLS. [21 DCMR § 542.12 (B)]
 - FINAL STABILIZATION MEANS THAT ALL LAND-DISTURBING ACTIVITIES AT THE SITE HAVE BEEN COMPLETED AND EITHER OF THE FOLLOWING TWO CRITERIA HAVE BEEN MET: (1) A UNIFORM (FOR EXAMPLE, EVENLY DISTRIBUTED, WITHOUT LARGE BARE AREAS) PERENNIAL VEGETATIVE COVER WITH A DENSITY OF SEVENTY PERCENT (70%) OF THE NATIVE BACKGROUND VEGETATIVE COVER FOR THE AREA HAS BEEN ESTABLISHED ON ALL UNPAVED AREAS AND AREAS NOT COVERED BY PERMANENT STRUCTURES, OR (2) EQUIVALENT PERMANENT STABILIZATION MEASURES HAVE BEEN EMPLOYED (SUCH AS THE USE OF RIPRAP, GABIONS, OR GEOTEXTILES). [21 DCMR § 542.12 (B.1, B.2)]
 - FOLLOW THE REQUIREMENTS OF THE UNITED STATES ENVIRONMENTAL PROTECTION AGENCY APPROVED STORMWATER POLLUTION PREVENTION PLAN (SWPPP) AND MAINTAIN A LEGIBLE COPY OF THIS SWPPP ON SITE. [21 DCMR § 543.10 (B)]
 - POST A SIGN THAT NOTIFIES THE PUBLIC TO CONTACT DDoe IN THE EVENT OF EROSION OR OTHER POLLUTION. THE SIGN WILL BE PLACED AT EACH ENTRANCE TO THE SITE OR AS DIRECTED BY THE DOEE INSPECTOR. EACH SIGN WILL BE NO LESS THAN 18 X 24 INCHES IN SIZE AND MADE OF MATERIALS THAT WILL WITHSTAND WEATHER FOR THE DURATION OF THE PROJECT. LETTERING WILL BE AT LEAST 1 INCH IN HEIGHT AND EASILY READABLE BY THE PUBLIC FROM A DISTANCE OF TWELVE FEET (12 FT). THE SIGN MUST DIRECT THE PUBLIC, IN SUBSTANTIALLY THE FOLLOWING FORM: "TO REPORT EROSION, RUNOFF, OR STORMWATER POLLUTION" AND WILL PROVIDE THE CONSTRUCTION SITE ADDRESS, DOEE'S TELEPHONE NUMBER (202-535-2977), DOEE'S EMAIL ADDRESS (IEB.SCHEDULING@DC.GOV), AND THE 311 MOBILE APP HEADING "CONSTRUCTION-EROSION RUNOFF". [21 DCMR § 543.22]
 - A RESPONSIBLE PERSON MUST BE PRESENT OR AVAILABLE WHILE THE SITE IS IN A LAND-DISTURBING PHASE. THE RESPONSIBLE PERSON IS CHARGED WITH BEING AVAILABLE TO (A) INSPECT THE SITE AND ITS ESC MEASURES AT LEAST ONCE BIWEEKLY AND AFTER A RAINFALL EVENT TO IDENTIFY AND REMEDY EACH POTENTIAL OR ACTUAL EROSION PROBLEM, (B) RESPOND TO EACH POTENTIAL OR ACTUAL EROSION PROBLEM IDENTIFIED BY CONSTRUCTION PERSONNEL, AND (C) SPEAK ON SITE WITH DOEE TO REMEDY EACH POTENTIAL OR ACTUAL EROSION PROBLEM. A RESPONSIBLE PERSON SHALL BE (A) LICENSED IN THE DISTRICT OF COLUMBIA AS A CIVIL OR GEOTECHNICAL ENGINEER, A LAND SURVEYOR, OR ARCHITECT; OR (B) CERTIFIED THROUGH A TRAINING PROGRAM THAT DOEE APPROVES, INCLUDING A COURSE ON EROSION CONTROL PROVIDED BY ANOTHER JURISDICTION OR PROFESSIONAL ASSOCIATION. DURING CONSTRUCTION, THE RESPONSIBLE PERSON SHALL KEEP ON SITE PROOF OF PROFESSIONAL LICENSING OR OF SUCCESSFUL COMPLETION OF A DOEE-APPROVED TRAINING PROGRAM. [21 DCMR § 547]

VEGETATIVE STABILIZATION
PERMANENT AND TEMPORARY SEEDING, SODDING AND MULCHING

I. SITE PREPARATION

PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED WITHIN (A) SEVEN CALENDAR DAYS AS TO THE SURFACE OF ALL SEDIMENT CONTROL PRACTICES SUCH AS DIVERSIONS, GRADE STABILIZATION STRUCTURES, BERMS, DIKES, GRASSED WATERWAYS, SEDIMENT BASINS, PERIMETER SLOPES, AND ALL SLOPES GREATER THAN 3 HORIZONTAL TO 1 VERTICAL (3:1) AND (B) FOURTEEN DAYS AS TO ALL OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE.

II. SEEDBED PREPARATION AND SEEDING APPLICATION

THE TOP LAYER OF SOIL SHALL BE LOOSENEED, LIMED AND FERTILIZED BY RAKING, DISCING OR HARROWING OR OTHER ACCEPTABLE MEANS BEFORE SEEDING. FLAT AREAS AND SLOPES UP TO 3 TO 1 GRADE SHALL BE LOOSE AND FRIABLE TO A DEPTH OF AT LEAST 3 INCHES SLOPES STEEPER THAN 3 TO 1 SHALL HAVE THE TOP 1-3 INCHES OF SOIL LOOSE AND FRIABLE BEFORE SEEDING. FLAT AREAS AND SLOPES UP TO 3 TO 1 GRADE SHALL BE LOOSE AND FRIABLE TO A DEPTH OF AT LEAST 3 INCHES SLOPES STEEPER THAN 3 TO 1 SHALL HAVE THE TOP 1-3 INCHES OF SOIL LOOSE AND FRIABLE BEFORE SEEDING.

APPLY SEED UNIFORMLY WITH A CYCLONE SEEDER, DRILL CULTIPACKER,SEEDER OR HYDROSEEDER ON A FIRM MOIST SEEDBED.

III. SOIL AMENDMENTS

LIME AND FERTILIZE ACCORDING TO SOIL TESTS. IN LIEU OF SOIL TEST APPLY THE FOLLOWING:

DOLOMITIC LESTONE 2 TONS PER ACRE OR 92 LBS/1,000 (PERMANENT AND SODDING SQ.FT.)

FERTILIZER 1 TON PER ACRE OR 46 LB/1,000 (TEMPORARY) 10-10-10 OR EQUIVALENT AT 1,000 LBS PER ACRE OR 23 LBS PER 1,000 SQ. FT. (PERMANENT AND SODDING)

IV. SEDIMENT CONTROL PRACTICES. SEEDING

SEED: "KENTUCKY 31" TALL FESCUE 60 LBS/ACRE OR 1.38 LBS/1,000 SQ. FT AND ITALIAN (ANNUAL) RYEGRASS 40 LBS/ACRE OR .91 LBS/1,000 SQ. FT.

DATES: 1/2 - 10/31 5/1 - 8/14 WITH IRRIGATION.

V. TEMPORARY SEEDING: PER GROWING SEASON

SEED: ITALIAN OR PERENNIAL RYEGRASS 40 LBS/ACRE OR .92 LBS/1,000 SQ. FT.

DATES: 2/1 - 4/30 AND 8/15 - 11/30

SEED: MILLET 40 LBS/ACRE OR 0.92 LBS/1,000 SQ. FT.

DATES: 5/1 - 8/14

VI. PERMANENT SEEDING

A. RESIDENTIAL AND HIGH MAINTENANCE AREAS

- KENTUCKY BLUEGRASS, "PLUSH", "BIRKA", "PARADE", "VANTAGE", "COLUMBIA", "MERION", "ADELPHI", "SOUTH DAKOTA", "KENBLUE". ANY THREE VARIETIES AT 30 LBS. TO MAKE 90 LBS/ACRE OR 2 LBS/1,000 SQ.FT. AND RED FESCUE - "PENNLAWN" OR JAMESTOWN 10 LBS/1000 SQ.FT.

DATES: 2/1 - 4/30 AND 8/15 - 10/31.

- "KENTUCKY 31" TALL FESCUE 220-260 LBS/ACRE OR 5-6 LBS/1,000 SQ. FT.

DATES: 2/1 - 10/31 5/1 - 8/14 IRRIGATION REQUIRED.

B. LOW MAINTENANCE AND MINING AREAS

"KENTUCKY 31" TALL FESCUE 40 LBS/ACRE OR 0.92 LBS/1,000 SQ. FT. AND "INTERSTATE" SERICEA LESPEDeza (INOCULATED)20 LBS/ACRE OR 0.46 LBS/1,000 SQ. FT.

DATES: 2/1 - 4/30 AND 8/15 - 10/31

C. GENERAL AND LARGE ACREAGE

"KENTUCKY 31" TALL FESCUE 60 LBS./ACRE OR 1.38 LBS/1,000 SQ.FT.

VII. MULCHING

ALL SEEDINGS REQUIRE MULCHING. USE MULCH ONLY DURING NON-SEEDING DATES UNTIL SEEDING CAN BE DONE.

MULCH SHALL BE UNROTTED, UNCHOPPED SMALL GRAIN STRAW APPLIED AT A RATE OF 1 TO 2 TONS/ACRE OR 70-90 LBS/1,000 SQ.FT. (2 BALES) MULCH MATERIALS SHALL BE RELATIVELY FREE OF ALL KINDS OF WEED BEDS AND SHALL BE FREE OF PROHIBITED NOXIOUS WEEDS. SPREAD MULCH UNIFORMLY MECHANICALLY OR BY HAND. MULCH ANCHORING SHALL BE ACCOMPLISHED IMMEDIATELY AFTER MULCH PLACEMENT TO MINIMIZE LOSS BY WIND OR WATER. THIS MAY BE DONE BY MULCH NETTINGS, MULCH ANCHORING TOOL, PEG AND TWIN OR LIQUID MULCH BINDERS.

LIQUID MULCH BINDER SHALL BE RAPID CURING CUTBACK ASPHALT APPLIED AT A RATE OF 200 GAL./ACRE OR 5 GAL. PER 1,000 SQ. FT. SLOPES 8 FEET OR MORE HIGH USE 348 GAL./ACRE OR 8 GAL./1,000 SQ. FT.

VII. SODDING

CLASS OF TURFGRASS SOD SHALL BE MARYLAND OR VIRGINIA STATE CERTIFIED OR MARYLAND OR VIRGINIA STATE APPROVED SOD. SOD SHALL BE HARVESTED, DELIVERED AND INSTALLED WITHIN A PERIOD OF 36 HOURS. SOD IS TO BE LAID WITH THE LONG EDGES PARALLEL TO THE CONTOUR WITH STAGGERED JOINTS WITH ALL ENDS TIGHTLY ABUTTING AND NOT OVERLAPPING. SOD SHALL BE ROLLED AND THOROUGHLY WATERED WITHIN EIGHT HOURS OF INSTALLATION. DAILY WATERING TO MAINTAIN 4 INCH DEPTH OF MOISTURE FOR THE FIRST WEEK IS REQUIRED IN THE ABSENCE OF RAINFALL. SOD IS NOT TO BE APPLIED ON FROZEN GROUND.

IX. MAINTENANCE

A. IRRIGATION - WHEN SOIL MOISTURE BECOMES DEFICIENT, IRRIGATE TO PREVENT LOSS OF STAND OF PROTECTIVE VEGETATION.

B. REPAIRS - IF STAND IS INADEQUATE FOR EROSION CONTROL, OVERSEED AND FERTILIZE USING HALF OF THE RATES ORIGINALLY APPLIED. IF STAND IS OVER 60% DAMAGED, REESTABLISH FOLLOWING ORIGINAL RATES AND PROCEDURES.

NOTE: USE OF THIS INFORMATION DOES NOT PRECLUDE MEETING ALL OF THE REQUIREMENTS OF THE 1987 DISTRICT OF COLUMBIA DEPARTMENT OF CONSUMER AND REGULATORY AFFAIRS STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL VEGETATIVE PRACTICES.

STANDARD EROSION AND SEDIMENT CONTROL NOTES:

- SEDIMENT AND EROSION CONTROL MEASURES SHALL BE INSTALLED BEFORE THE START OF ANY EXCAVATION AND/OR CONSTRUCTION AS PER STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL FOR THE DISTRICT OF COLUMBIA. IF AN ON-SITE INSPECTION REVEALS FURTHER EROSION CONTROL MEASURES ARE NECESSARY, THE SAME SHALL BE PROVIDED.
- ALL DEBRIS IS TO BE REMOVED FROM SITE AND DISPOSED OF AT A LEGAL, OFF-SITE LOCATION.
- ALLEYS, STREETS, AND SIDEWALKS SHALL BE SWEEPED CLEAN AT ALL TIMES DURING DEMOLITION, EXCAVATION AND CONSTRUCTION.
- ALL CATCH BASINS AND DRAIN AREAS SHALL BE PROTECTED DURING EXCAVATION AND CONSTRUCTION.
- IF ANY CATCH BASINS OR DRAINS BECOME CLOGGED AS A RESULT OF DEMOLITION, EXCAVATION OR CONSTRUCTION THE CONTRACTOR SHALL BE RESPONSIBLE FOR ITS CLEANING.
- WHEN SEDIMENT TRAP/SEDIMENT TANK HAS REACHED 67% CAPACITY, CLEANING OUT OF SAME IS REQUIRED.
- ANY STOCKPILING, REGARDLESS OF LOCATION SHALL BE STABILIZED AND COVERED WITH PLASTIC OR CANVAS, AFTER ITS ESTABLISHMENT AND FOR DURATION OF THE PROJECT.
- AFTER RAZING OR DEMOLITION, THERE IS THE NEED FOR GROUNDCOVER TO PREVENT EROSION AND SEDIMENT RUNOFF FROM OCCURRING. SUCH AS APPLYING SEED, SOD, PAVE, BRICKBAT, MULCH, ETC.
- THE SITE'S APPROVAL LETTER, APPROVED EROSION AND SEDIMENT CONTROL PLANS, DAILY LOG BOOKS AND TEST REPORTS SHALL BE AVAILABLE AT THE SITE FOR INSPECTION BY AUTHORIZED OFFICIALS OF DCRA RESPONSIBLE FOR PROJECT.
- TEMPORARY SEDIMENT CONTROL DEVICES MAY BE REMOVED, WITH PERMISSION OF DCRA INSPECTOR, WITHIN THIRTY CALENDAR DAYS FOLLOWING ESTABLISHMENT OF PERMANENT STABILIZATION IN ALL CONTRIBUTORY DRAINAGE AREAS. STORMWATER MANAGEMENT STRUCTURES USED TEMPORARILY FOR SEDIMENT CONTROL SHALL BE CONVERTED TO THE PERMANENT CONFIGURATION WITHIN THIS TIME PERIOD AS WELL.
- VEGETATIVE STABILIZATION SHALL BE PERFORMED IN ACCORDANCE WITH THE DCRA STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL. REFER TO APPROPRIATE SPECIFICATIONS FOR TEMPORARY SEEDING, PERMANENT SEEDING, MULCHING, SODDING AND GROUND COVERS.
- SEDIMENT REMOVED FROM TRAPS (AND BASINS) SHALL BE PLACED AND STABILIZED IN APPROVED AREAS, BUT NOT WITHIN A FLOODPLAIN, WETLAND OR TREE-SAVE AREA. WHEN PUMPING SEDIMENT LADEN WATER, THE DISCHARGE MUST BE DIRECTED TO A SEDIMENT TRAPPING DEVICE PRIOR TO RELEASE FROM THE SITE. A SUMP PIT MAY BE USED IF SEDIMENT TRAPS THEMSELVES ARE BEING PUMPED OUT.
- WHERE DEEMED APPROPRIATE BY THE ENGINEER OR INSPECTOR, SEDIMENT BASINS AND TRAPS MAY NEED TO BE SURROUNDED WITH AN APPROVED SAFETY FENCE. THE FENCE MUST CONFORM TO LOCAL ORDINANCES AND REGULATIONS. THE DEVELOPER OR OWNER SHALL CHECK WITH LOCAL GUIDING OFFICIALS ON APPLICABLE SAFETY REQUIREMENTS. WHERE SAFETY FENCE IS DEEMED APPROPRIATE AND LOCAL ORDINANCES DO NOT SPECIFY FENCING SIZES AND TYPES, THE FOLLOWING SHALL BE USED AS A MINIMUM STANDARD: THE SAFETY FENCE MUST BE MADE OF WELDED WIRE AND AT LEAST 42 INCHES HIGH, HAVE POSTS SPACED NO FARTHER APART THAN 8 FEET, HAVE MESH OPENINGS NO GREATER THAN 2 INCHES IN WIDTH AND 4 INCHES IN HEIGHT WITH A MINIMUM OF 14 GAUGE WIRE. SAFETY FENCE MUST BE MAINTAINED AND IN GOOD CONDITION AT ALL TIMES.
- SEDIMENT CONTROL FOR UTILITY CONSTRUCTION FOR AREAS OUTSIDE OF DESIGNED CONTROLS OR AS DIRECTED BY ENGINEER OR DCRA INSPECTOR:
 - CALL "MISS UTILITY" AT 202-265-7177, OR 811, 48 HOURS PRIOR TO THE START OF WORK.
 - EXCAVATED TRENCH MATERIAL SHALL BE PLACED ON THE HIGH SIDE OF THE TRENCH.
 - TRENCHES FOR UTILITY INSTALLATION SHALL BE BACKFILLED, COMPACTED AND STABILIZED AT THE END OF EACH WORKING DAY. NO MORE TRENCHES SHALL BE OPENED THAN CAN BE COMPLETED THE SAME DAY, UNLESS;
 - TEMPORARY SILT FENCE SHALL BE PLACED IMMEDIATELY DOWNSTREAM OF ANY DISTURBED AREA INTENDED TO REMAIN DISTURBED FOR MORE THAN ONE DAY.

OFF-SITE SPOIL, WASTE, OR BORROW AREAS IN THE DISTRICT OF COLUMBIA OR ON FEDERAL PROPERTY MUST HAVE PRIOR APPROVAL BY DCRA. ALL WASTE AN BORROW AREAS OFF-SITE MUST BE PROTECTED BY SEDIMENT CONTROL MEASURES AND STABILIZED IN ACCORDANCE WITH THE ORDINANCES AND REGULATIONS OF THE JURISDICTION WHERE THE SPOIL, WASTE, OR BORROW AREA IS LOCATED/STABILIZED.

SITE INFORMATION:

DATA	
TOTAL AREA OF SITE	130,937 S.F.
AREA DISTURBED	10,937 S.F.
BUILDING AREA	47,336 S.F.
TOTAL CUT	500 CU. YDS*
TOTAL FILL	420 CU. YDS*

* OFFSITE WASTE/BORROW TO BE SUBMITTED BY AREA LOCATION CONTRACTOR FOR APPROVAL THESE NUMBERS ARE FOR PERMIT PURPOSES ONLY AND NOT FOR BIDDING.

OWNER:



DGS (DEPARTMENT OF GENERAL SERVICES)

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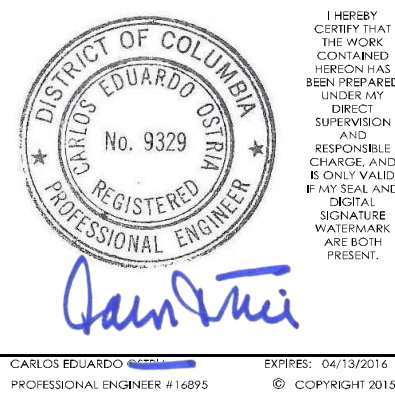
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AMT PROJECT #103-506

ENGINEER'S CERTIFICATE



SUBMISSION SCHEDULE

DATE

CONSTRUCTION DOCUMENTS SET

9/21/15

REVISION SCHEDULE

DATE

PROJECT:

**DYRS-YOUTH SERVICES
CENTER COURTYARD
RENOVATIONS**

1000 MOUNT OLIVET ROAD, NE
WASHINGTON, DC 20002

SHEET TITLE:

**EROSION & SEDIMENT
CONTROL NOTES**

PROJECT NO: 113-506

9/21/2015

SCALE: N / A

SHEET NO:

C-3.1



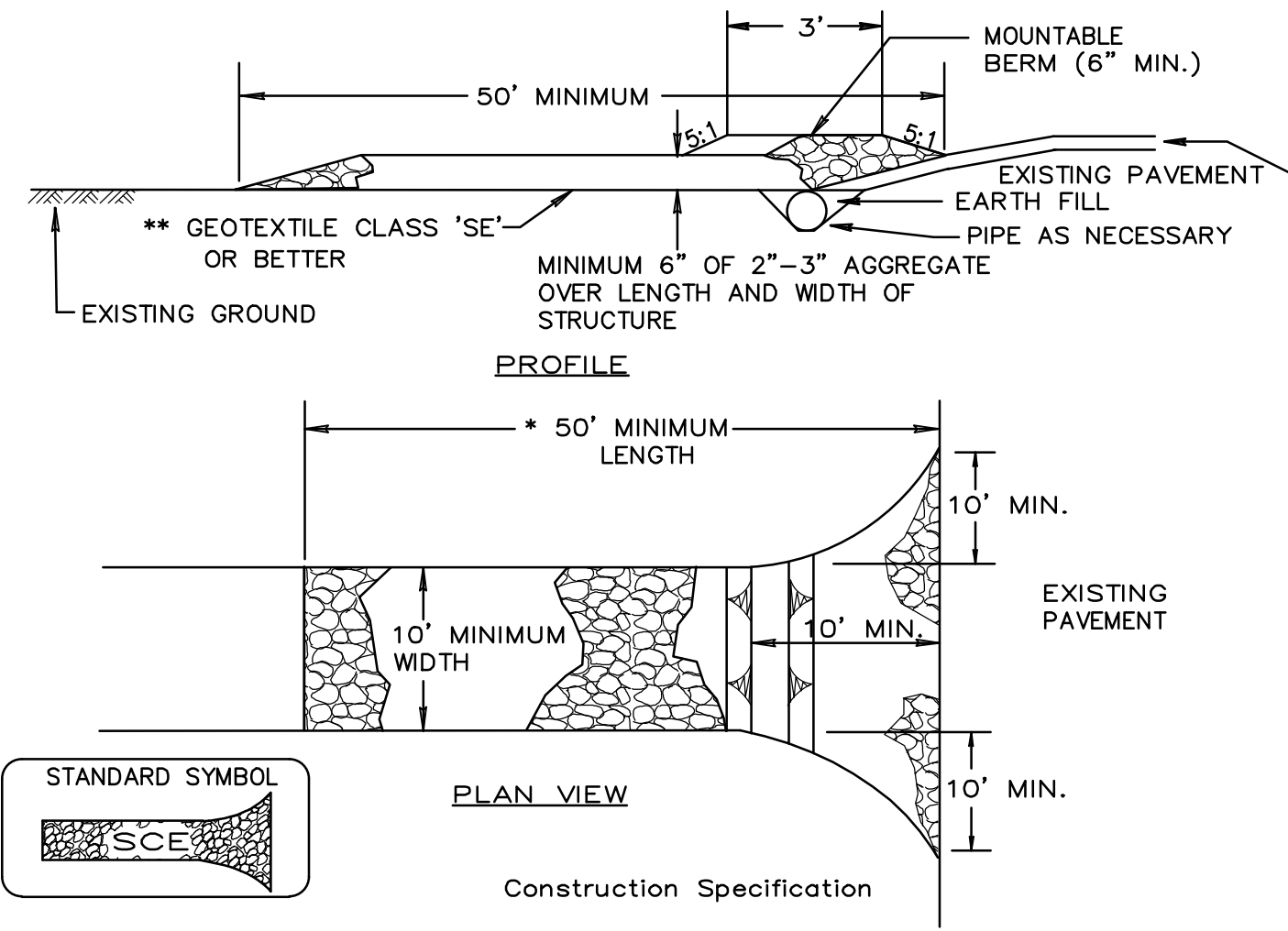
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OR LOG ON TO <http://www.missutility.net>

CONSTRUCTION SPECIFICATION

1. LENGTH – MIN. OF 50’ RAMP x 30’ RAMP FOR SINGLE RESIDENCE LOT.
2. WIDTH – 10’ MINIMUM, SHOULD BE FLARED AT THE EXISTING ROAD TO PROVIDE A TURNING RADIUS.
3. GEOTEXTILE FABRIC (FILTER CLOTH) SHALL BE PLACED OVER THE EXISTING GROUND PRIOR TO PLACING STONE.
4. STONE – CRUSHED AGGREGATE (2” TO 3”) OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT SHALL BE PLACED AT LEAST 6” DEEP OVER THE LENGTH AND WIDTH OF THE ENTRANCE.
5. SURFACE WATER – ALL SURFACE WATER FLOWING TO OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED THROUGH THE ENTRANCE, MAINTAINING POSITIVE DRAINAGE. PIPE INSTALLED THROUGH THE STABILIZED CONSTRUCTION ENTRANCE SHALL BE PROTECTED WITH A MOUNTABLE BERM WITH 5:1 SLOPES AND MIN. OF 6” OF STONE OVER THE PIPE. PIPE HAS TO BE SIZED ACCORDING TO THE DRAINAGE. WHEN THE SCE IS LOCATED AT A HIGH SPOT AND HAS NO DRAINAGE TO CONVEY, A PIPE WILL NOT BE NECESSARY. PIPE SHOULD BE SIZED ACCORDING TO THE AMOUNT OF RUNOFF TO BE CONVEYED. A 6” MIN. WILL BE REQUIRED.
6. LOCATION – A STABILIZED CONSTRUCTION ENTRANCE SHALL BE LOCATED AT EVERY POINT WHERE CONSTRUCTION TRAFFIC ENTERS OR LEAVES A CONSTRUCTION SITE. VEHICLES LEAVING THE SITE MUST TRAVEL OVER THE ENTIRE LENGTH OF THE STABILIZED CONSTRUCTION ENTRANCE.
7. MAINTENANCE – THE ENTRANCE SHALL BE MAINTAINED IN CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF- WAY THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY.
8. WASHING – WHEELS SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE ONTO PUBLIC RIGHT-OF-WAY WHEN WASHING IS REQUIRED. IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE WHICH DRAINS INTO A APPROVED SEDIMENT TRAPPING DEVICE.
9. PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.

DETAIL 1 – STABILIZED CONSTRUCTION ENTRANCE



1. LENGTH – MINIMUM OF 50’ (*30’ FOR SINGLE RESIDENCE LOT).
2. WIDTH – 10’ MINIMUM, SHOULD BE FLARED AT THE EXISTING ROAD TO PROVIDE A TURNING RADIUS.
3. GEOTEXTILE FABRIC (FILTER CLOTH) SHALL BE PLACED OVER THE EXISTING GROUND PRIOR TO PLACING STONE. **THE PLAN APPROVAL AUTHORITY MAY NOT REQUIRE SINGLE FAMILY RESIDENCES TO USE GEOTEXTILE.
4. STONE – CRUSHED AGGREGATE (2” TO 3”) OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT SHALL BE PLACED AT LEAST 6” DEEP OVER THE LENGTH AND WIDTH OF THE ENTRANCE.
5. SURFACE WATER – ALL SURFACE WATER FLOWING TO OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED THROUGH THE ENTRANCE, MAINTAINING POSITIVE DRAINAGE. PIPE INSTALLED THROUGH THE STABILIZED CONSTRUCTION ENTRANCE SHALL BE PROTECTED WITH A MOUNTABLE BERM WITH 5:1 SLOPES AND A MINIMUM OF 6” OF STONE OVER THE PIPE. WHEN THE SCE IS LOCATED AT A HIGH SPOT AND HAS NO DRAINAGE TO CONVEY A PIPE WILL NOT BE NECESSARY. PIPE SHOULD BE SIZED ACCORDING TO THE AMOUNT OF RUNOFF TO BE CONVEYED. A 6” MINIMUM WILL BE REQUIRED. THE MOUNTABLE BERM IS REQUIRED ON ALL SCES NOT LOCATED AT A HIGH SPOT.
6. LOCATION – A STABILIZED CONSTRUCTION ENTRANCE SHALL BE LOCATED AT EVERY POINT WHERE CONSTRUCTION TRAFFIC ENTERS OR LEAVES A CONSTRUCTION SITE. VEHICLES LEAVING THE SITE MUST TRAVEL OVER THE ENTIRE LENGTH OF THE STABILIZED CONSTRUCTION ENTRANCE.

U.S. DEPARTMENT OF AGRICULTURE
NATURAL RESOURCE CONSERVATION SERVICE

PAGE
A – 1 – 3

WATERSHED PROTECTION DIVISION
DISTRICT OF COLUMBIA DEPARTMENT OF HEALTH

SILT FENCE

Silt Fence Design Criteria

Slope Steepness	(Maximum) Slope Length	(Maximum) Silt Fence Length
Flatter than 50:1	unlimited	unlimited
50:1 to 10:1	125 feet	1,000 feet
10:1 to 5:1	100 feet	750 feet
5:1 to 3:1	60 feet	500 feet
3:1 to 2:1	40 feet	250 feet
2:1 and steeper	20 feet	125 feet

Note: In areas of less than 2% slope and sandy soils (USDA general classification system, soil Class A) maximum slope length and silt fence length will be unlimited. In these areas a silt fence may be the only perimeter control required.

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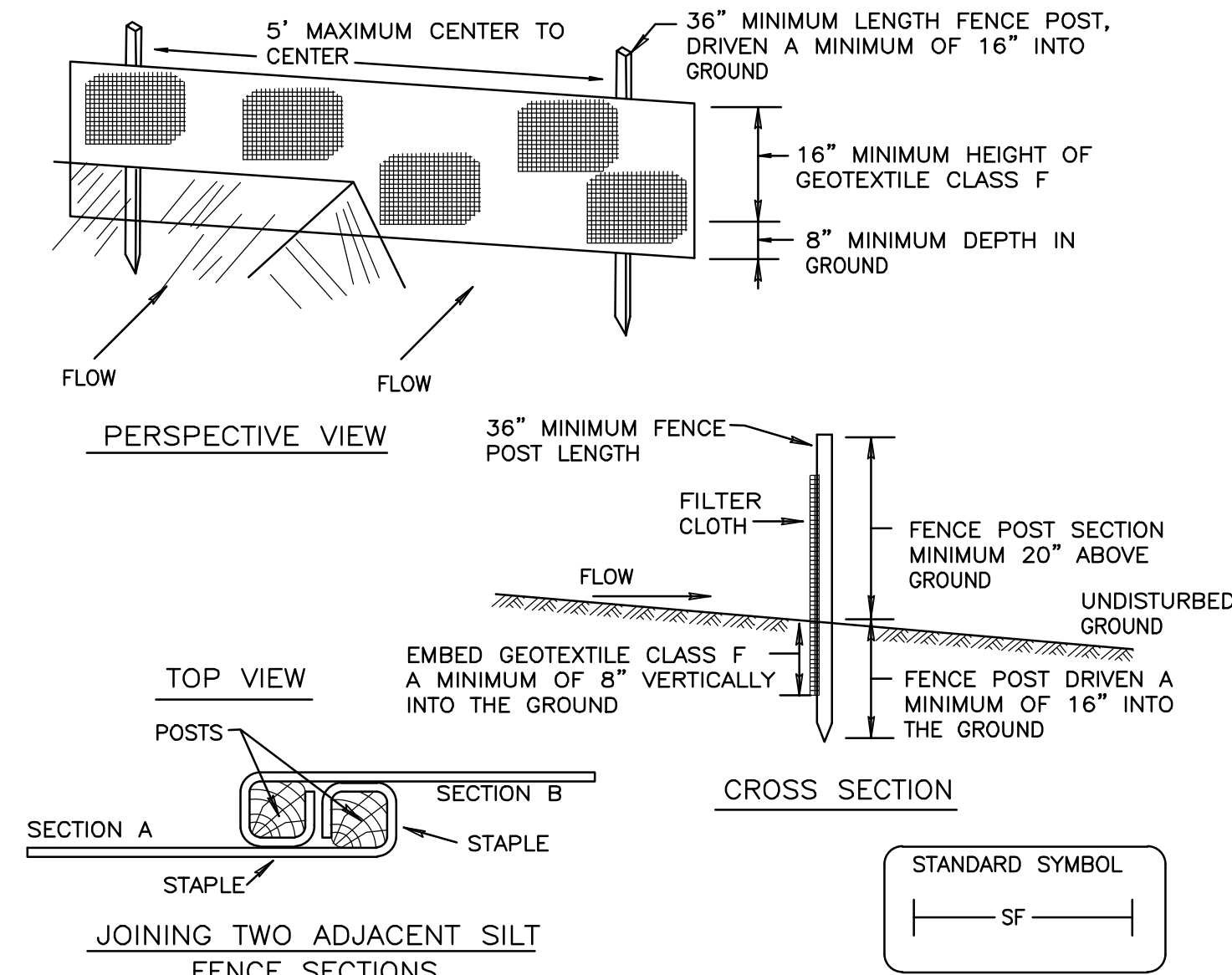
PAGE
B – 5 – 4

WATERSHED PROTECTION DIVISION
DISTRICT OF COLUMBIA DEPARTMENT OF HEALTH

STANDARDS AND SPECIFICATIONS FOR STREET SWEEPING

1. STREETS WITHIN ONE MILE SHALL BE INSPECTED DAILY, ANY DROPPED SOIL, DUST AND/OR DEBRIS SHALL BE REMOVED.
2. VACUUM TYPE STREET CLEANER SHALL BE USED TO EFFECTIVELY REMOVE TOTAL DUST AND DIRT ON PAVED SURFACES.
3. ROADS SHALL BE SWEEPED ON A WEEKLY BASIS (MINIMUM) DURING ALL ON AND OFF SITE HAULING OPERATIONS FOR UP TO ONE MILE ALONG HAUL ROUTES.

DETAIL 4 – SILT FENCE



CONSTRUCTION SPECIFICATIONS

1. FENCE POSTS SHALL BE A MINIMUM OF 36” LONG DRIVEN 16” MINIMUM INTO THE GROUND. WOOD POSTS SHALL BE 1 1/2” X 1 1/2” SQUARE (MINIMUM) CUT, OR 1 3/4” DIAMETER (MINIMUM) ROUND AND SHALL BE OF SOUND QUALITY HARDWOOD. STEEL POSTS WILL BE STANDARD T OR U SECTION WEIGHING NOT LESS THAN 1.00 POND PER LINEAR FOOT.
2. GEOTEXTILE SHALL BE FASTENED SECURELY TO EACH FENCE POST WITH WIRE TIES OR STAPLES AT TOP AND MID-SECTION AND SHALL MEET THE FOLLOWING REQUIREMENTS FOR GEOTEXTILE CLASS F:

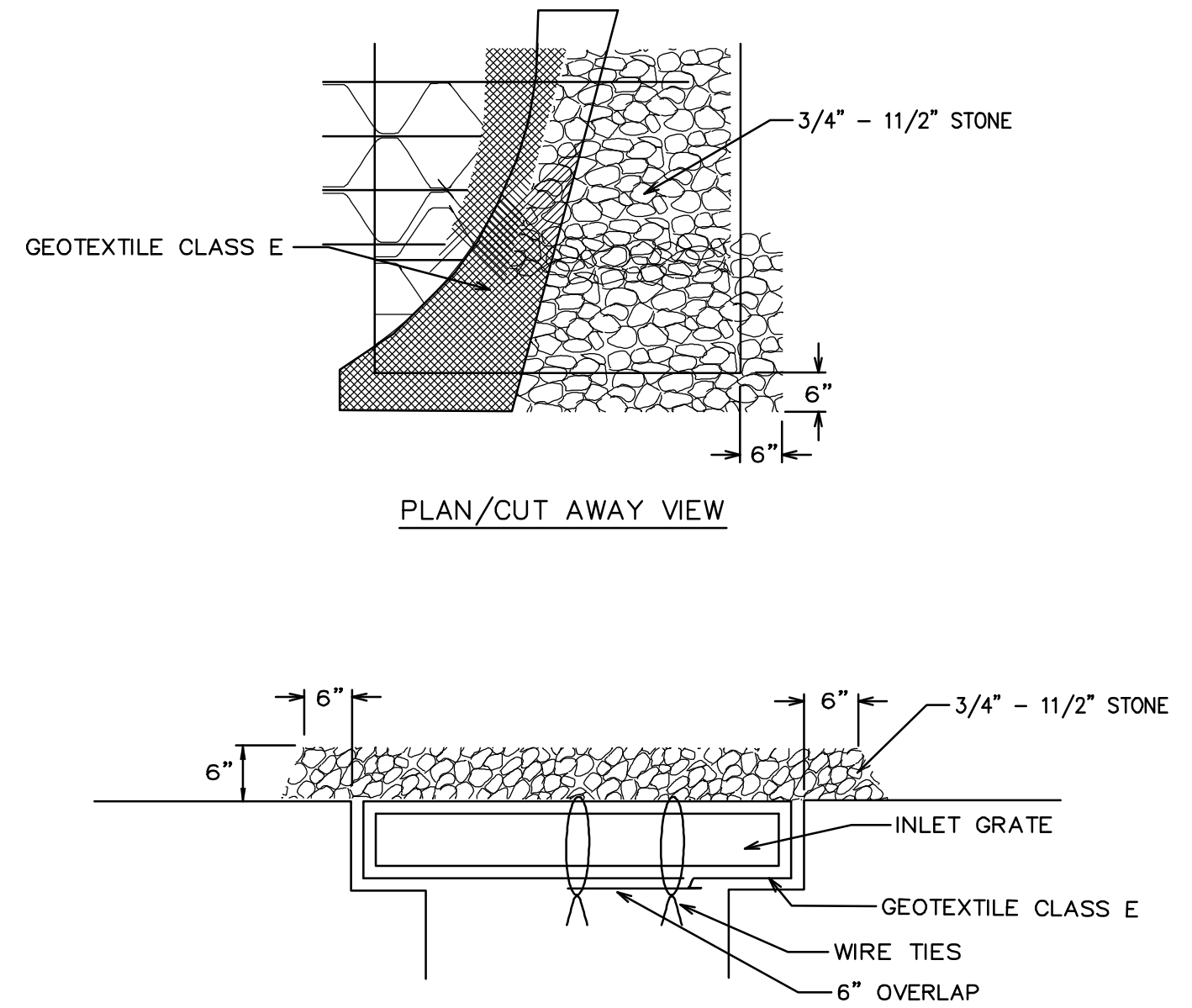
TENSILE STRENGTH	50 LBS/IN (MIN.)	TEST: ASTM D-4595
TENSILE MODULUS	20 LBS/IN (MIN.)	TEST: ASTM D-4595
FLOW RATE	0.3 GAL/FT /MINUTE (MAX.)	TEST: ASTM D-5141
FILTERING EFFICIENCY	75% (MIN.)	TEST: ASTM D-5141
3. WHERE ENDS OF GEOTEXTILE FABRIC COME TOGETHER, THEY SHALL BE OVERLAPPED, FOLDED AND STAPLED TO PREVENT SEDIMENT BYPASS.
4. SILT FENCE SHALL BE INSPECTED AFTER EACH RAINFALL EVENT AND MAINTAINED WHEN BULGES OCCUR OR WHEN SEDIMENT ACCUMULATION REACHED 30% OF THE FABRIC.

U.S. DEPARTMENT OF AGRICULTURE
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PAGE
B – 5 – 3

WATERSHED PROTECTION DIVISION
DISTRICT OF COLUMBIA DEPARTMENT OF HEALTH

DETAIL 6B – AT GRADE INLET PROTECTION



CROSS SECTION

MAX. DRAINAGE AREA = 1/4 ACRE

Construction Specifications

1. Lift grate and wrap with Geotextile Class E to completely cover all openings, then set grate back in place.
2. Place 3/4” to 1 1/2” stone, 4”-6” thick on the grate to secure the fabric and provide additional filtration.

U.S. DEPARTMENT OF AGRICULTURE
NATURAL RESOURCE CONSERVATION SERVICE

PAGE
B – 7 – 6

WATERSHED PROTECTION DIVISION
DISTRICT OF COLUMBIA DEPARTMENT OF HEALTH

STANDARDS AND SPECIFICATIONS FOR DUST CONTROL

1. THE CONTRACTOR SHALL CONDUCT OPERATIONS AND MAINTAIN THE PROJECT SITE SO AS TO MINIMIZE THE CREATION AND DISPERSION OF DUST. DUST CONTROL SHALL BE USED THROUGHOUT THE WORK AT THE SITE.
2. THE CONTRACTOR MUST PROVIDE CLEAN WATER, FREE FROM SALT, OIL AND OTHER DELETERIOUS MATERIAL TO BE USED FOR ON-SITE DUST CONTROL.
3. THE CONTRACTOR SHALL SUPPLY WATER SPRAYING EQUIPMENT CAPABLE OF ACCESSING ALL WORK AREAS.
4. THE CONTRACTOR SHALL IMPLEMENT STRICT DUST CONTROL MEASURES DURING ACTIVE CONSTRUCTION PERIODS ON-SITE. THESE CONTROL MEASURES WILL GENERALLY CONSIST OF WATER APPLICATIONS THAT SHALL BE APPLIED A MINIMUM OF ONCE PER DAY DURING DRY WEATHER OR MORE OFTEN AS REQUIRED TO PREVENT DUST EMISSIONS.
5. FOR WATER APPLICATION TO UNDISTURBED SOIL SURFACES, THE CONTRACTOR SHALL:
 - A. APPLY WATER WITH EQUIPMENT CONSISTING OF TANK, SPRAY BAR, PUMP WITH DISCHARGE PRESSURE GAUGE.
 - B. ARRANGE SPRAY BAR HEIGHT, NOZZLE SPACING AND SPRAY PATTERN TO PROVIDE COMPLETE COVERAGE OF GROUND WITH WATER.
 - C. DISPERSE WATER THROUGH NOZZLES ON SPRAY BAR AT 20 PSI, MINIMUM. KEEP AREAS DAMP WITHOUT CREATING NUISANCE CONDITIONS SUCH AS PONDING.
6. FOR WATER APPLICATION TO SOIL SURFACES DURING DEMOLITION AND/OR EXCAVATION, THE CONTRACTOR SHALL:
 - A. APPLY WATER WITH EQUIPMENT CONSISTING OF A TANK, PUMP WITH DISCHARGE GAUGE, HOSES AND MIST NOZZLES.
 - B. LOCATE TANK AND SPRAYING EQUIPMENT SO THAT THE ENTIRE EXCAVATION AREA CAN BE MISTED WITHOUT INTERFERING WITH DEMOLITION AND/OR EXCAVATION EQUIPMENT OR OPERATIONS. KEEP AREAS DAMP WITHOUT CREATING NUISANCE CONDITIONS SUCH AS PONDING.
 - C. APPLY WATER SPRAY IN A MANNER TO PREVENT MOVEMENT OF SPRAY BEYOND THE SITE BOUNDARIES.

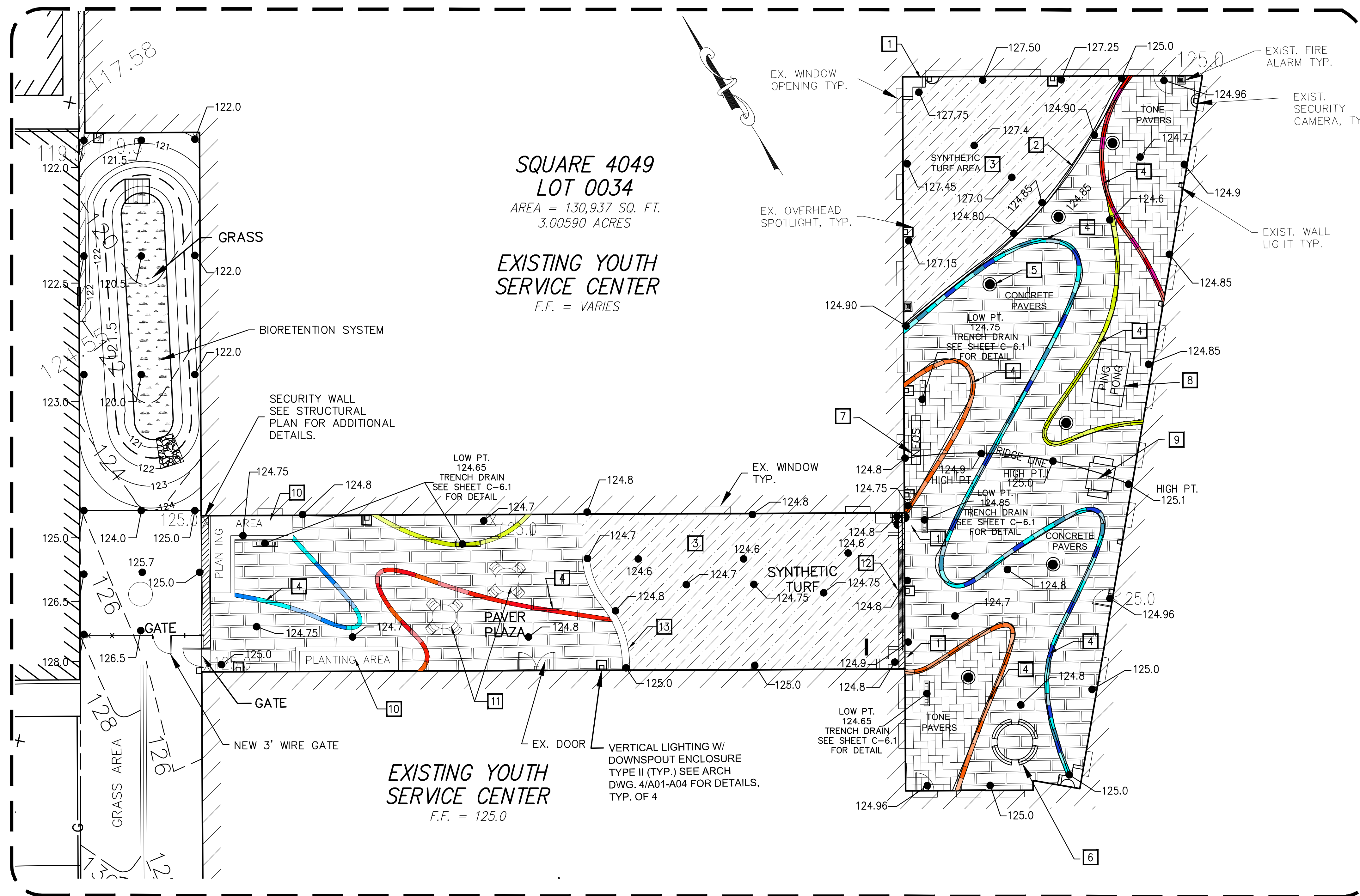
ESC DETAILS NOTES:

1. EROSION AND SEDIMENT CONTROL DETAILS ARE INCLUDED ON THE PLANS FOR REFERENCE ONLY AND ARE NOT INTENDED TO REPRESENT A TOTAL INCLUSION OF ALL EROSION AND SEDIMENT CONTROL DETAILS AND STANDARDS THAT MAY BE REQUIRED FOR THE PROJECT. CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE MOST RECENT VERSION OF ALL DDCE DETAILS AND STANDARDS.
2. COORDINATE ESC MEASURE WITH THE DDCE INSPECTOR. INSTALL ADDITIONAL MEASURES AS REQUIRED BY THE DDCE INSPECTOR.
3. ESC DETAILS SHOWN ON THIS SHEET MAY NOT BE REQUIRED FOR THIS SPECIFIC PROJECT AND ARE INCLUDED IN THE EVENT THE DDCE INSPECTOR REQUIRES ADDITIONAL ESC MEASURES TO BE INSTALLED.
4. SPECIFICATIONS FOR ESC MEASURES ARE INCLUDED IN THE ESC NOTES AND DETAILS AND ARE NOT REFERENCED IN THE PROJECT SPECIFICATIONS. REFER TO DDCE STANDARDS & SPECIFICATIONS.



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SITE DEVELOPMENT PLAN

SCALE: 1 IN. = 10 FT.

SITE PLAN KEYNOTES:

- 1 WALL EXTRUSION COLOR ACCENT FEATURE - REFER TO ARCHITECTS PLAN FOR DETAILS
- 2 CONCRETE PERIMETER CURB - REFER TO DETAIL ON CIVIL DWG. C-4.1
- 3 SYNTHETIC TURF (STAGE) SURFACE - REFER TO DETAIL ON CIVIL DWG. C-6.1
- 4 CONCRETE EDGING WITH MIXED COLOR HUES TO MATCH INTERIOR POD COLORS
- 5 LIGHT FIXTURE - REFER TO ELECTRIC PLANS FOR ADDITIONAL INFORMATION, TYP. OF 6
- 6 ROUND TABLE FOR 12 PERSONS - REFER TO DETAIL ON CIVIL DWG. C-4.2
- 7 NEOS ELECTRONIC GAME FOR CHILDREN - REFER TO DETAIL ON CIVIL DWG C-4.2
- 8 PING PONG TABLE, SECURED TO FLOOR - SEE DETAIL ON CIVIL DWG. C-4.2
- 9 GAME TABLE TO BE SECURED TO FLOOR - SEE DETAIL ON CIVIL DWG C-4.2
- 10 8" CONCRETE PLANTER AREA (SEE DETAIL ON C-4.1)
- 11 ROUND TABLE FOR 4 PERSONS - REFER TO DETAIL ON CIVIL DWG. C-4.2
- 12 SECURITY ROLL UP DOOR
- 13 14" RAISED CONCRETE SEAT WALL (SEE DETAIL ON C-4.1)

REFERENCE NOTES

1. REFER TO DWG. C-2.0 FOR DEMOLITION.
2. REFER TO DWG. C-3.0 FOR EROSION & SED. CONTROL.
3. REFER TO DWG. C-5.0 FOR UTILITY INFORMATION.
4. REFER TO DWG. C-4.1; C-4.2 FOR SITE DETAILS.
5. REFER TO DWG. C-0.0 FOR OTHER APPLICABLE NOTES

LEGEND

- PERMEABLE CONCRETE PAVERS (SIZE OF UNIT)
- SYNTHETIC TURF
- CONCRETE BLOCK WITH - RANDOM SELECTION OF 10%, 30% AND 50% SATURATION
- EXISTING SPOT ELEVATION
- NEW SPOT ELEVATION
- CONCRETE EDGING BAND (COLOR)
- PERIMETER CONCRETE CURB
- TRENCH DRAIN - INLET GRATE
- LIGHT - FLUSH WITH GROUND
- SECURITY WALL

GENERAL NOTES:

1. CONTRACTOR TO ENGAGE AN UNDERGROUND UTILITY LOCATION SERVICE TO LOCATE, IDENTIFY, AND MARK ALL UNDERGROUND UTILITY LINES PRIOR TO UNDERTAKING ANY EXCAVATIONS.
2. ALL CONCRETE WALK, CURB AND GUTTER SHALL CONFORM TO DDOT STANDARDS AND SPECIFICATIONS.
3. ALL STORM DRAIN WORK AND MATERIALS AND METHODS SHALL CONFORM TO STANDARDS AND SPECIFICATIONS OF DCWATER.
4. CONTRACT MISS UTILITY AT 202-265-7177 FOR MARKINGS OF EXISTING UNDERGROUND UTILITIES BEFORE EXCAVATING ANY WORK.
5. CONTRACTOR TO TEST PIT FOR LOCATION AND DEPTH OF EXISTING GAS AND ELECTRIC BEFORE EXCAVATING FOR ANY WORK DEPICTED ON THIS PLAN.
6. SEE THE COVER SHEET FOR ADDITIONAL NOTES THAT APPLY TO THIS PHASE OF WORK.

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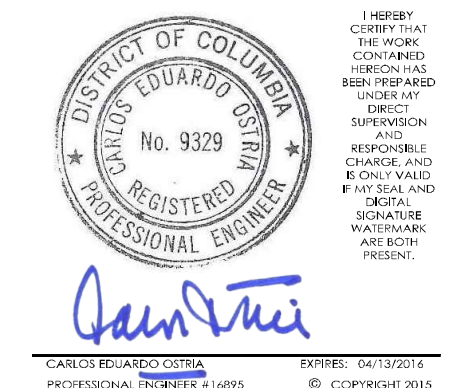
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WASHINGTON, DC 20002
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AMT PROJECT #103-506

ENGINEER'S CERTIFICATE



SUBMISSION SCHEDULE DATE

CONSTRUCTION DOCUMENTS SET 9/21/15

REVISION SCHEDULE DATE

PROJECT:

DYRS-YOUTH SERVICES CENTER COURTYARD RENOVATIONS

1000 MOUNT OLIVET ROAD, NE
WASHINGTON, DC 20002

SHEET TITLE:

SITE DEVELOPMENT PLAN

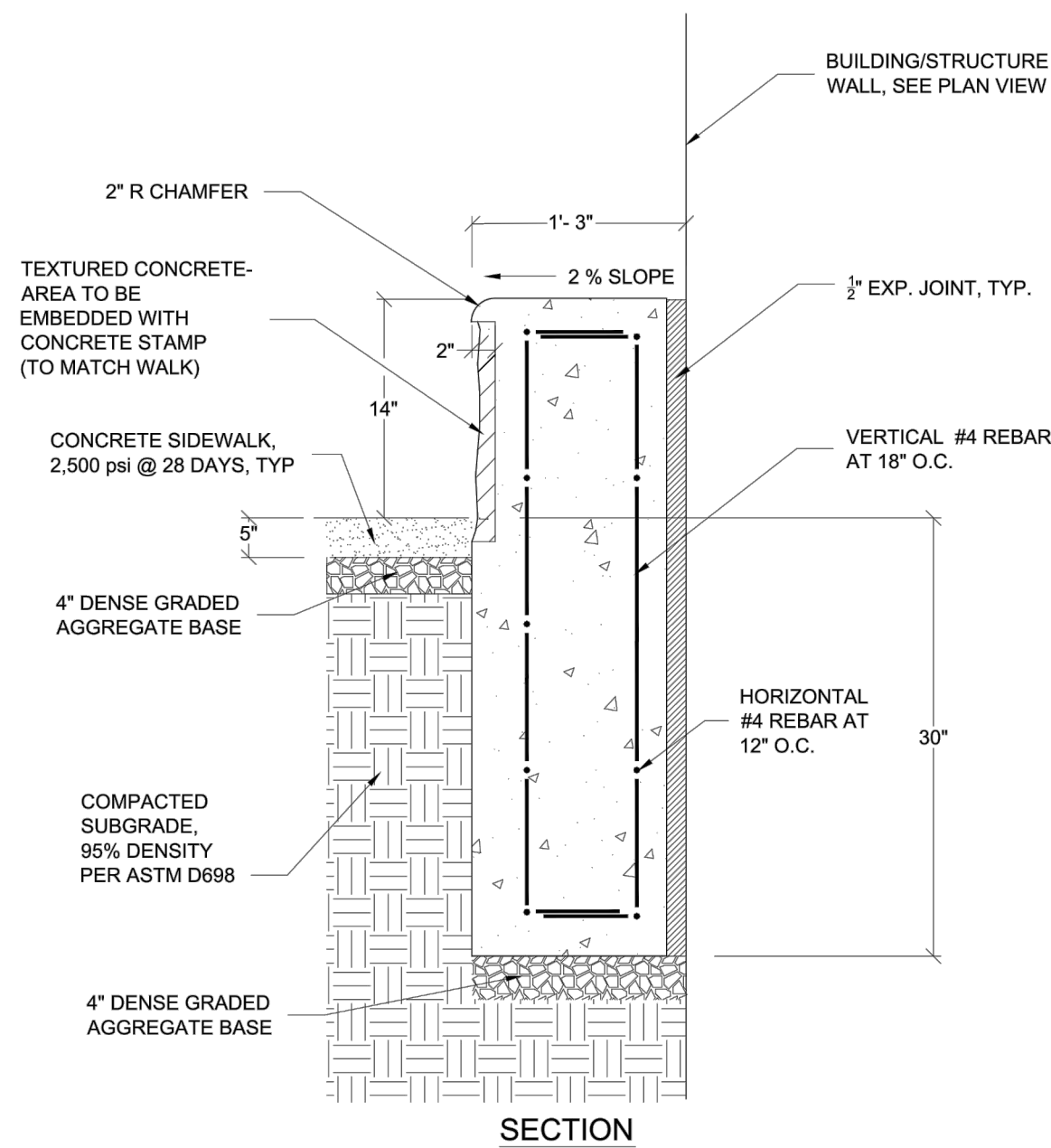
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9/21/2015

SCALE: 1 IN. = 10 FT.

SHEET NO:

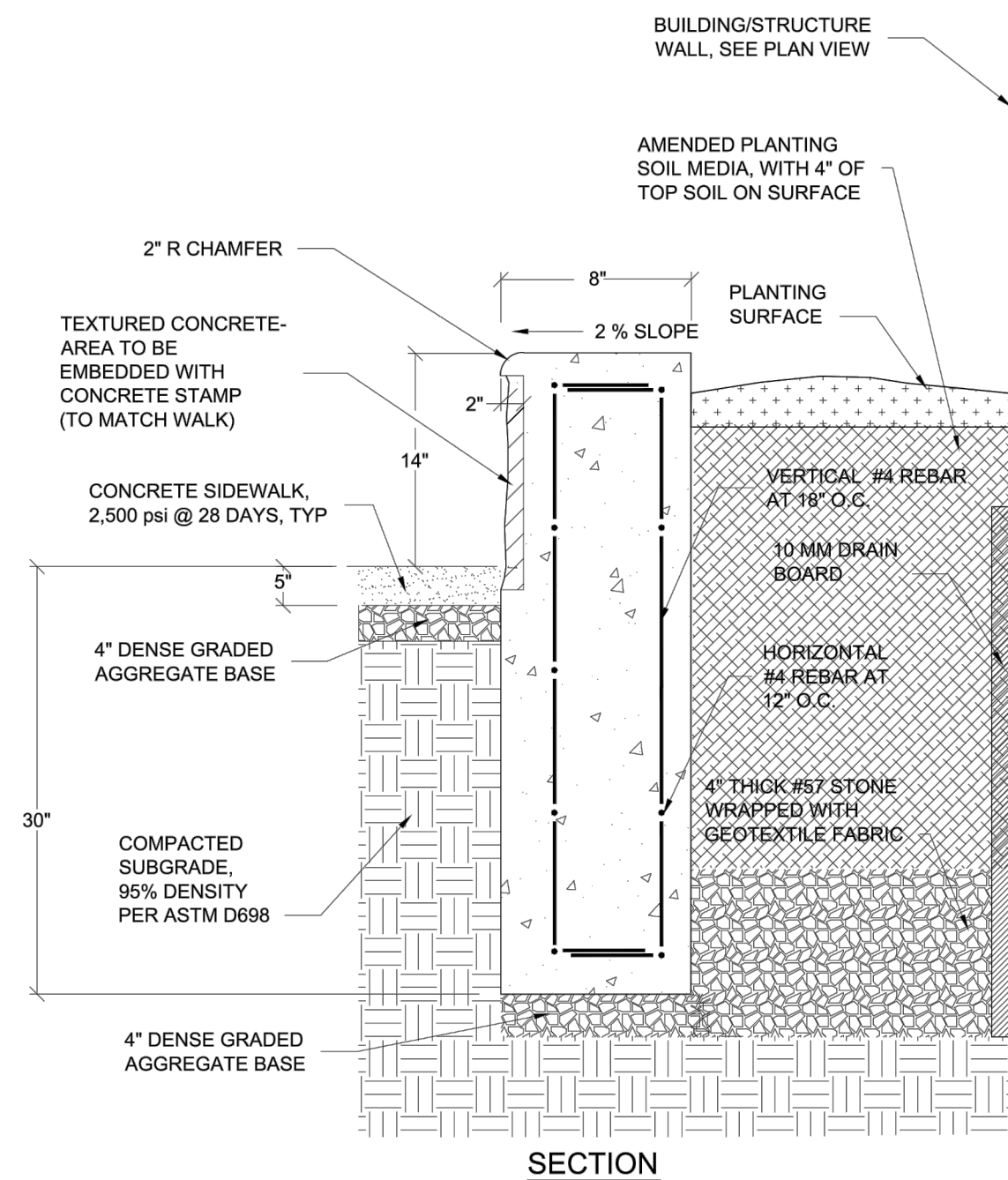
C-4.0



- NOTE:
1. EMBED ALL REBAR MIN. 2" IN CONCRETE
 2. PROVIDE RUBBED FINISH ON WALL

COURTYARD CONCRETE SEAT WALL

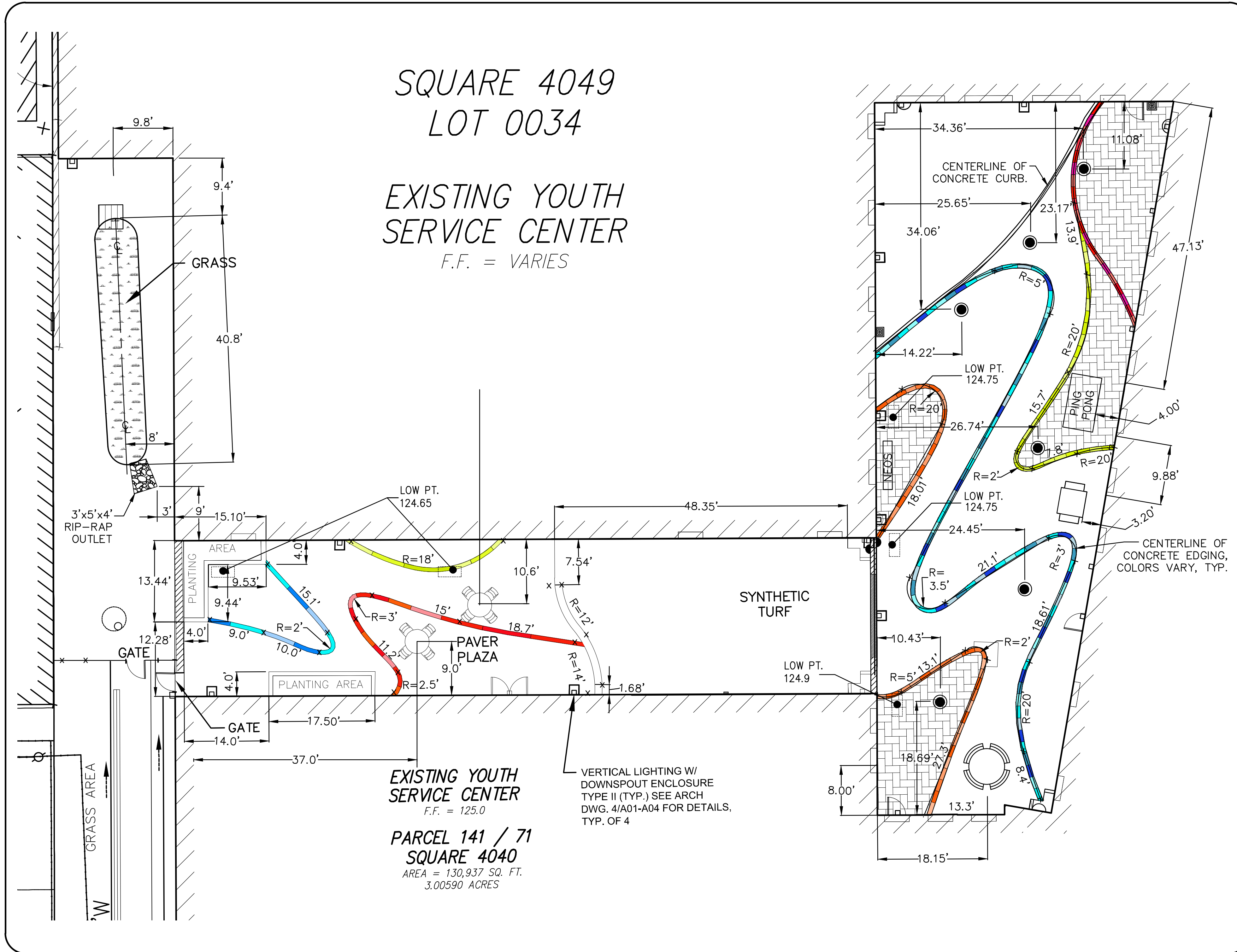
NOT TO SCALE



- NOTE:
1. EMBED ALL REBAR MIN. 2" IN CONCRETE
 2. PROVIDE RUBBED FINISH ON WALL

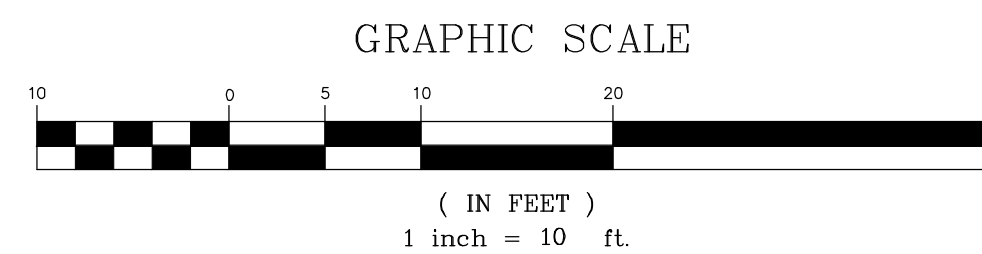
CONCRETE PLANTER WALL

NOT TO SCALE



GEOMETRIC LAYOUT PLAN

SCALE: 1 IN. = 10 FT.



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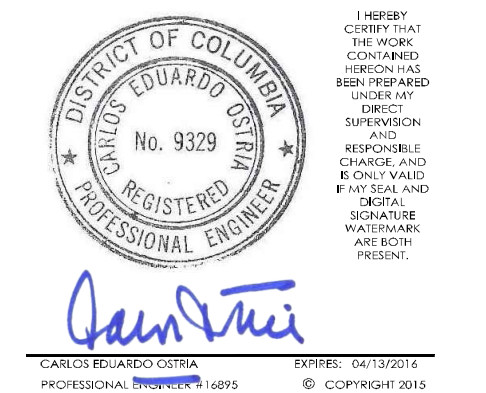
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 AMT PROJECT #103-506

ENGINEER'S CERTIFICATE



SUBMISSION SCHEDULE DATE

CONSTRUCTION DOCUMENTS SET 9/21/15

REVISION SCHEDULE DATE

PROJECT:

DYRS-YOUTH SERVICES CENTER COURTYARD RENOVATIONS

1000 MOUNT OLIVET ROAD, NE
 WASHINGTON, DC 20002

SHEET TITLE:

SITE GEOMETRIC LAYOUT PLAN AND DETAILS

PROJECT NO: 113-506

9/21/2015

SCALE: 1 IN. = 10 FT.

SHEET NO:

C-4.1



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NEOS ROUND TABLE

NOT TO SCALE

Neos Electronic Game:

Product: ROUND TABLE

Available From:

Playworld Systems Inc.
1000 Buffalo Rd.
Lewisburg, PA 17837
PH: 570-522 9800

Notes:

1. Or approved equal
2. Install per manufacturers recommendations



NEOS ELECTRONIC GAME

NOT TO SCALE

Neos Electronic Game:

Product: Electronic Wall

Available From:

Playworld Systems Inc.
1000 Buffalo Rd.
Lewisburg, PA 17837
PH: 570-522 9800

Notes:

1. Or approved equal
2. Install per manufacturers recommendations



CONCRETE PING PONG TABLE

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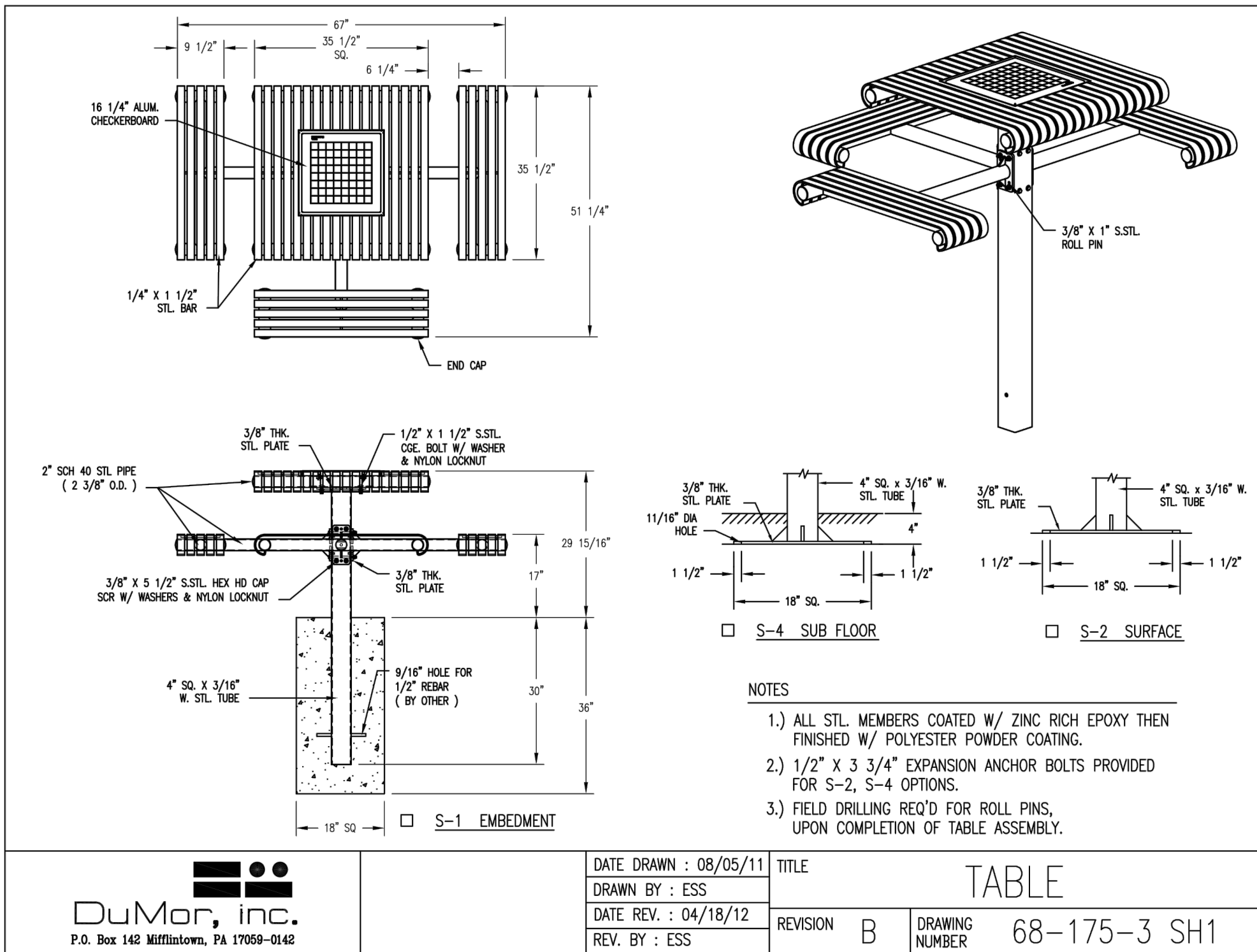
Product: Concrete Table Tennis

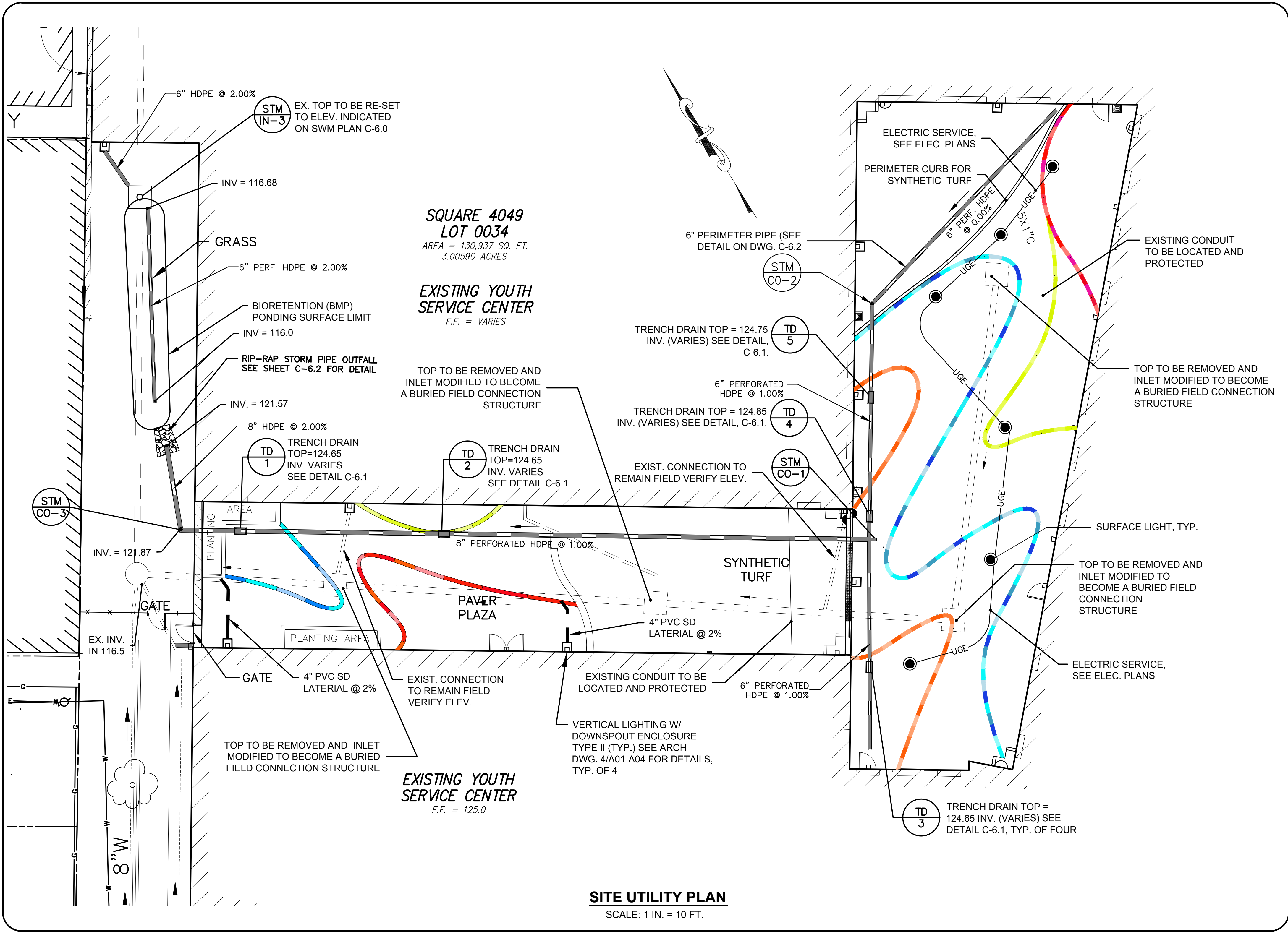
Available From:

Bravado Outdoor Products LLC
1196 Echo Dr.
Roseburg, OR 97470
PH: 541-673-0636

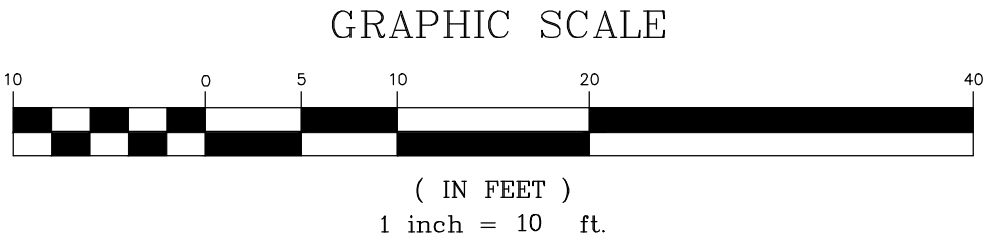
Notes:

1. Or approved equal
2. Install per manufacturers recommendations





SITE UTILITY PLAN
SCALE: 1 IN. = 10 FT.



- LEGEND**
- NEW STORM DRAIN LINE
 - NEW ELECTRICAL LINE
 - NEW TRENCH DRAIN
 - EXISTING STORM DRAIN PIPE
 - EXISTING INLET GRATE
 - EXISTING SURFACE LIGHT
 - EXISTING ELECTRIC CONDUIT

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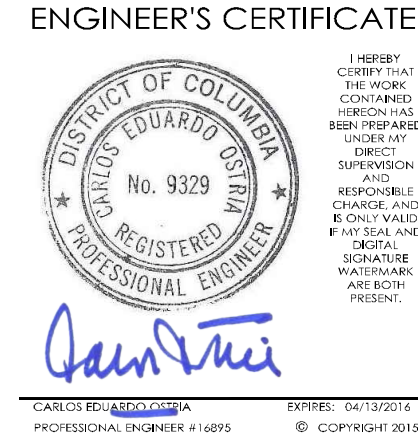
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REVISION SCHEDULE	DATE
PROJECT:	

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CENTER COURTYARD
RENOVATIONS**

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SHEET TITLE:

SITE UTILITY PLAN

PROJECT NO: 113-506

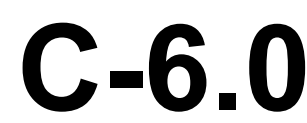
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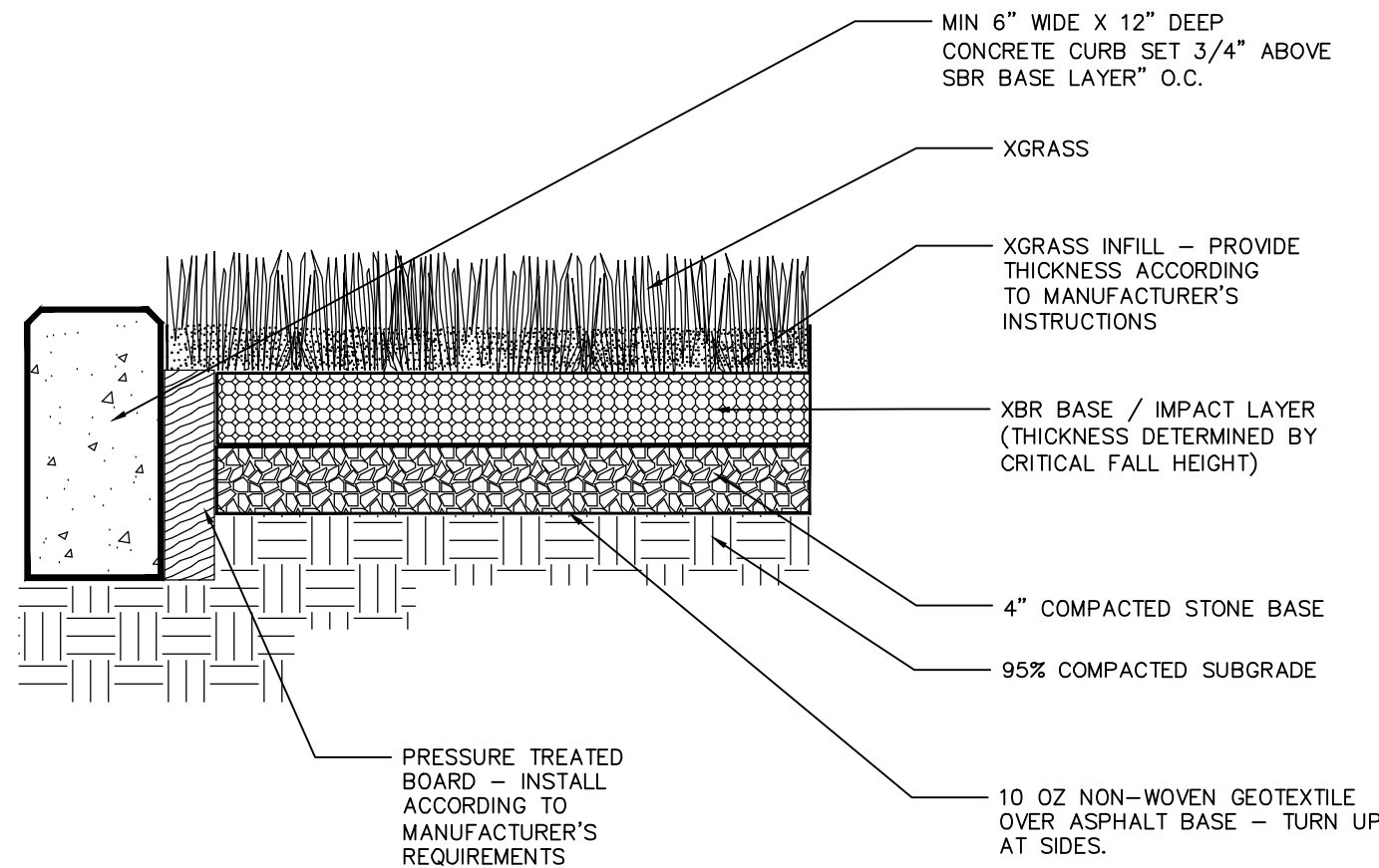
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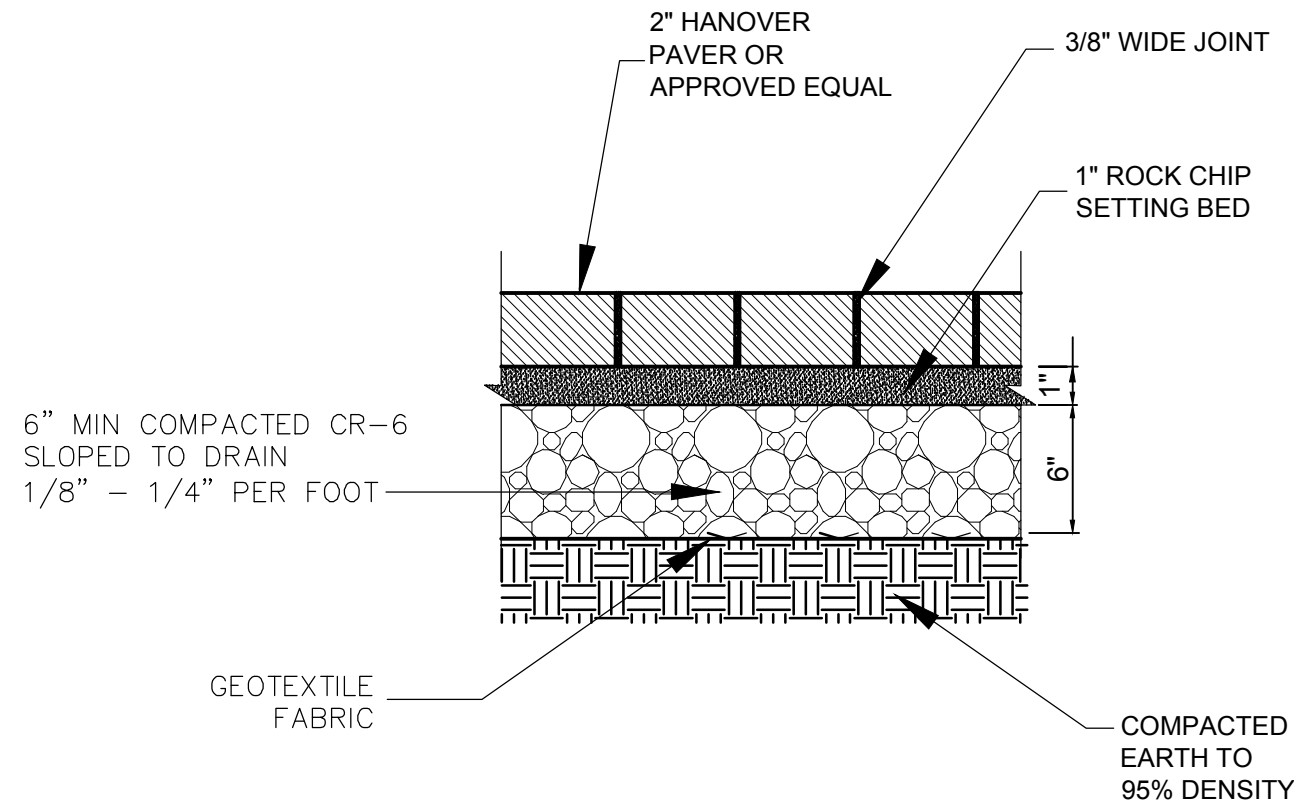


NOTES:

1. DRAWINGS NOT TO SCALE. DO NOT SCALE DRAWINGS.
2. INSTALL PER MANUFACTURER'S SPECIFICATIONS.
3. CONTRACTOR SHALL INSTALL XGRASS CROSS SECTION THICKNESS FOR ALL AREAS PER MANUFACTURER'S DESIGN TO MEET THE REQUIREMENTS FOR THE PLAY EQUIPMENT WITH THE HIGHEST CRITICAL FALL HEIGHT

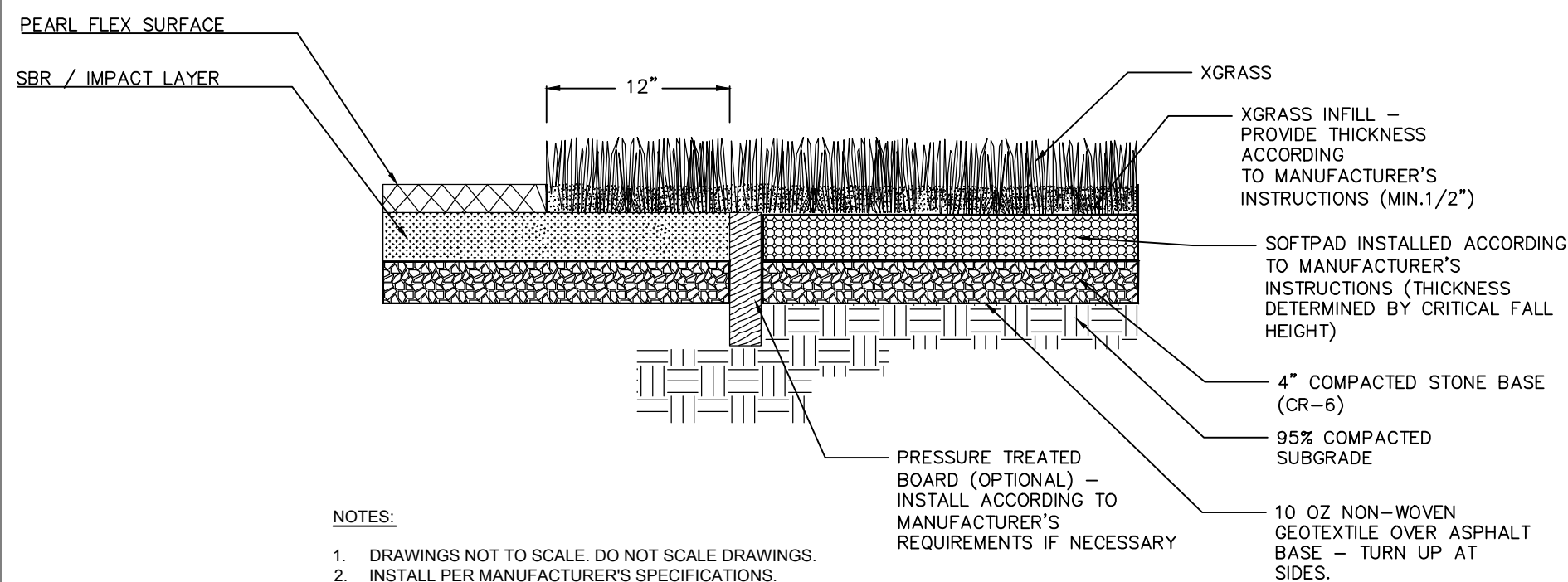
XGRASS SYNTHETIC TURF SURFACE AND TRANSITION

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PERMEABLE PAVING OVER AGGREGATE

NOT TO SCALE

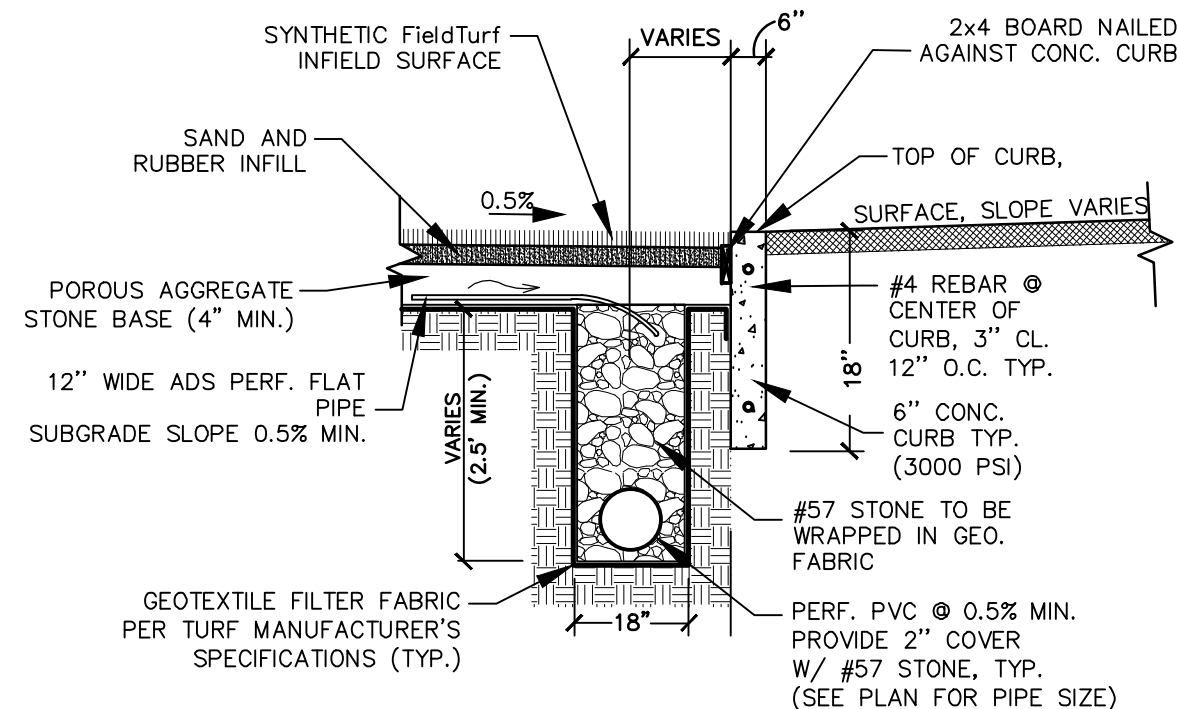


NOTES:

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3. CONTRACTOR SHALL INSTALL XGRASS CROSS SECTION THICKNESS FOR ALL AREAS PER MANUFACTURER'S DESIGN TO MEET THE REQUIREMENTS FOR THE PLAY EQUIPMENT WITH THE HIGHEST CRITICAL FALL HEIGHT

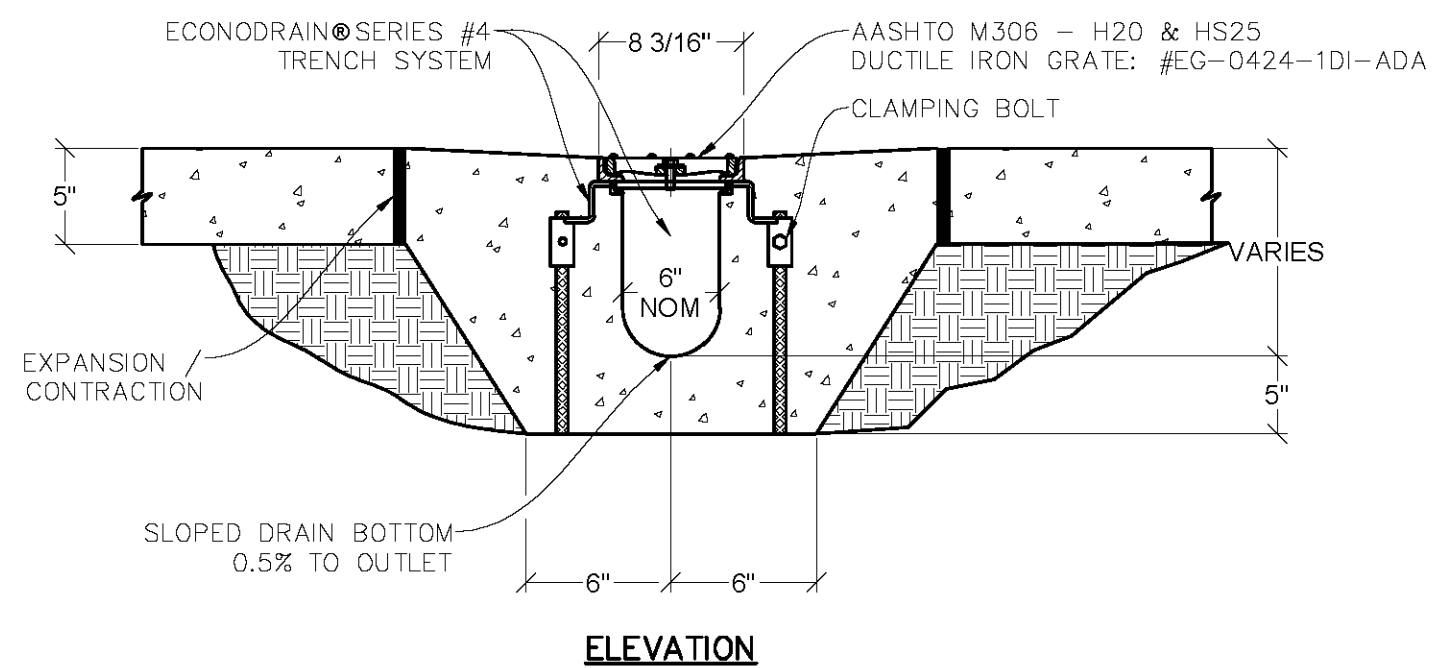
XGRASS SYNTHETIC TURF SURFACE AND TRANSITION

NOT TO SCALE



GENERAL NOTE: FOR LOCATION OF PERIMETER DRAIN FOR EACH COURTYARD AREA SHALL BE INSTALLED PER THE STORMWATER PLAN, THIS IS GENERIC DETAIL.

**TYPICAL PERIMETER DRAIN
SECTION A-A'
NOT TO SCALE**



ELEVATION

NOTE:

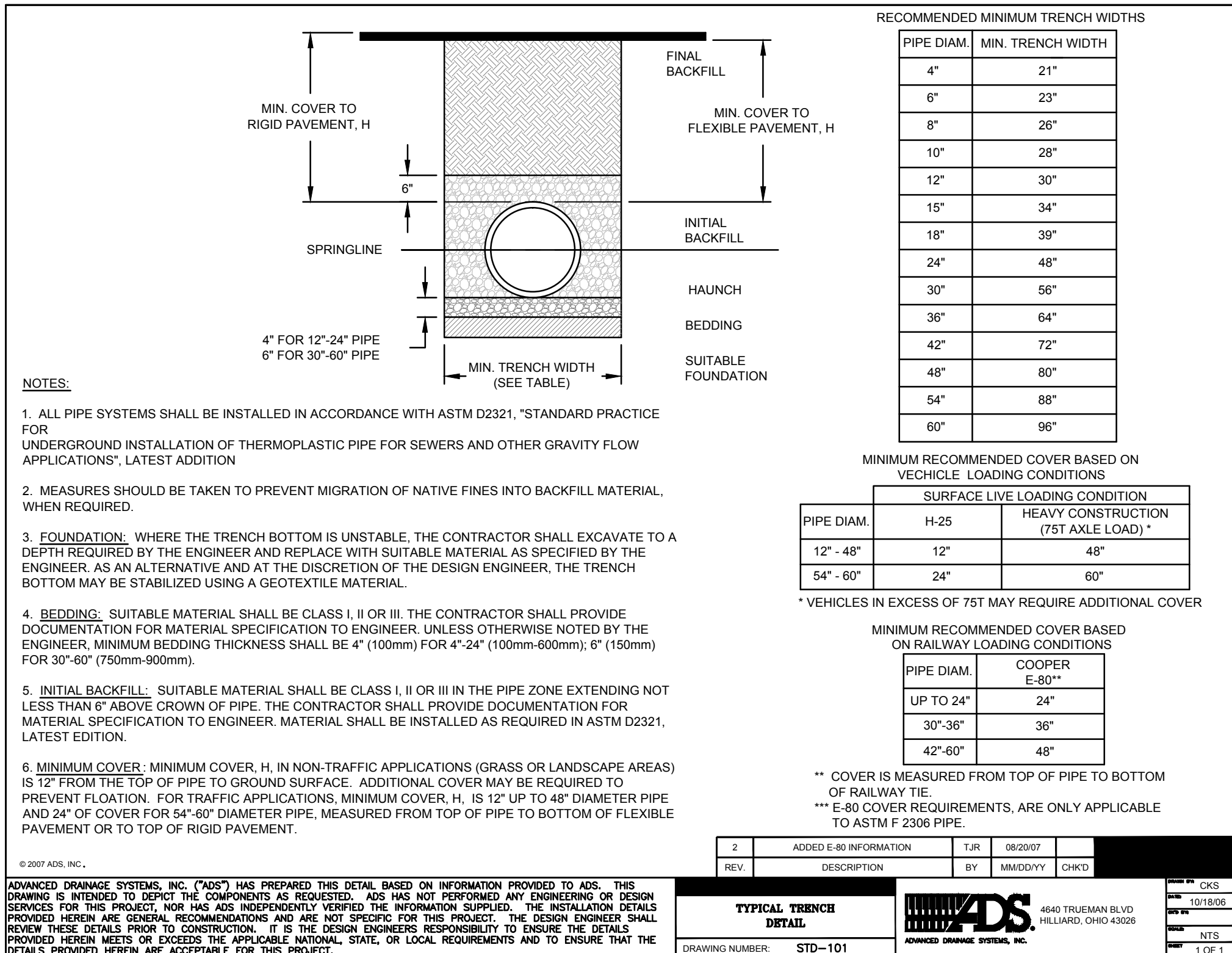
1. INSTALL IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
2. ADD REBAR AS REQUIRED
3. STANDARD CHANNEL LENGTH IS 8'-0" (96")
4. STANDARD CHANNEL SLOPE IS 0.5%

FINISH SPECIFICATION

1. GRATE FRAME: BLACK PAINT - STANDARD
2. DUCTILE IRON GRATE - #EG-0424-1DI-ADA ADA COMPLIANT

TRENCH DRAIN DETAIL

NOT TO SCALE



NOTES:

1. ALL PIPE SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH ASTM D2321, "STANDARD PRACTICE FOR UNDERGROUND INSTALLATION OF THERMOPLASTIC PIPE FOR SEWERS AND OTHER GRAVITY FLOW APPLICATIONS", LATEST EDITION
2. MEASURES SHOULD BE TAKEN TO PREVENT MIGRATION OF NATIVE FINES INTO BACKFILL MATERIAL, WHEN REQUIRED.
3. **FOUNDATION:** WHERE THE TRENCH BOTTOM IS UNSTABLE, THE CONTRACTOR SHALL EXCAVATE TO A DEPTH REQUIRED BY THE ENGINEER AND REPLACE WITH SUITABLE MATERIAL AS SPECIFIED BY THE ENGINEER, AS AN ALTERNATIVE AND AT THE DISCRETION OF THE DESIGN ENGINEER, THE TRENCH BOTTOM MAY BE STABILIZED USING A GEOTEXTILE MATERIAL.
4. **BEDDING:** SUITABLE MATERIAL SHALL BE CLASS I, II OR III. THE CONTRACTOR SHALL PROVIDE DOCUMENTATION FOR MATERIAL SPECIFICATION TO ENGINEER, UNLESS OTHERWISE NOTED BY THE ENGINEER. MINIMUM BEDDING THICKNESS SHALL BE 4" (100mm) FOR 4"-24" (100mm-600mm); 6" (150mm) FOR 30"-60" (750mm-900mm).
5. **INITIAL BACKFILL:** SUITABLE MATERIAL SHALL BE CLASS I, II OR III IN THE PIPE ZONE EXTENDING NOT LESS THAN 6' ABOVE CROWN OF PIPE. THE CONTRACTOR SHALL PROVIDE DOCUMENTATION FOR MATERIAL SPECIFICATION TO ENGINEER. MATERIAL SHALL BE INSTALLED AS REQUIRED IN ASTM D2321, LATEST EDITION.
6. **MINIMUM COVER:** MINIMUM COVER, H, IN NON-TRAFFIC APPLICATIONS (GRASS OR LANDSCAPE AREAS) IS 12" FROM THE TOP OF PIPE TO GROUND SURFACE. ADDITIONAL COVER MAY BE REQUIRED TO PREVENT FLOATATION. FOR TRAFFIC APPLICATIONS, MINIMUM COVER, H, IS 12" UP TO 48" DIAMETER PIPE AND 24" OF COVER FOR 54"-60" DIAMETER PIPE, MEASURED FROM TOP OF PIPE TO BOTTOM OF FLEXIBLE PAVEMENT OR TO TOP OF RIGID PAVEMENT.

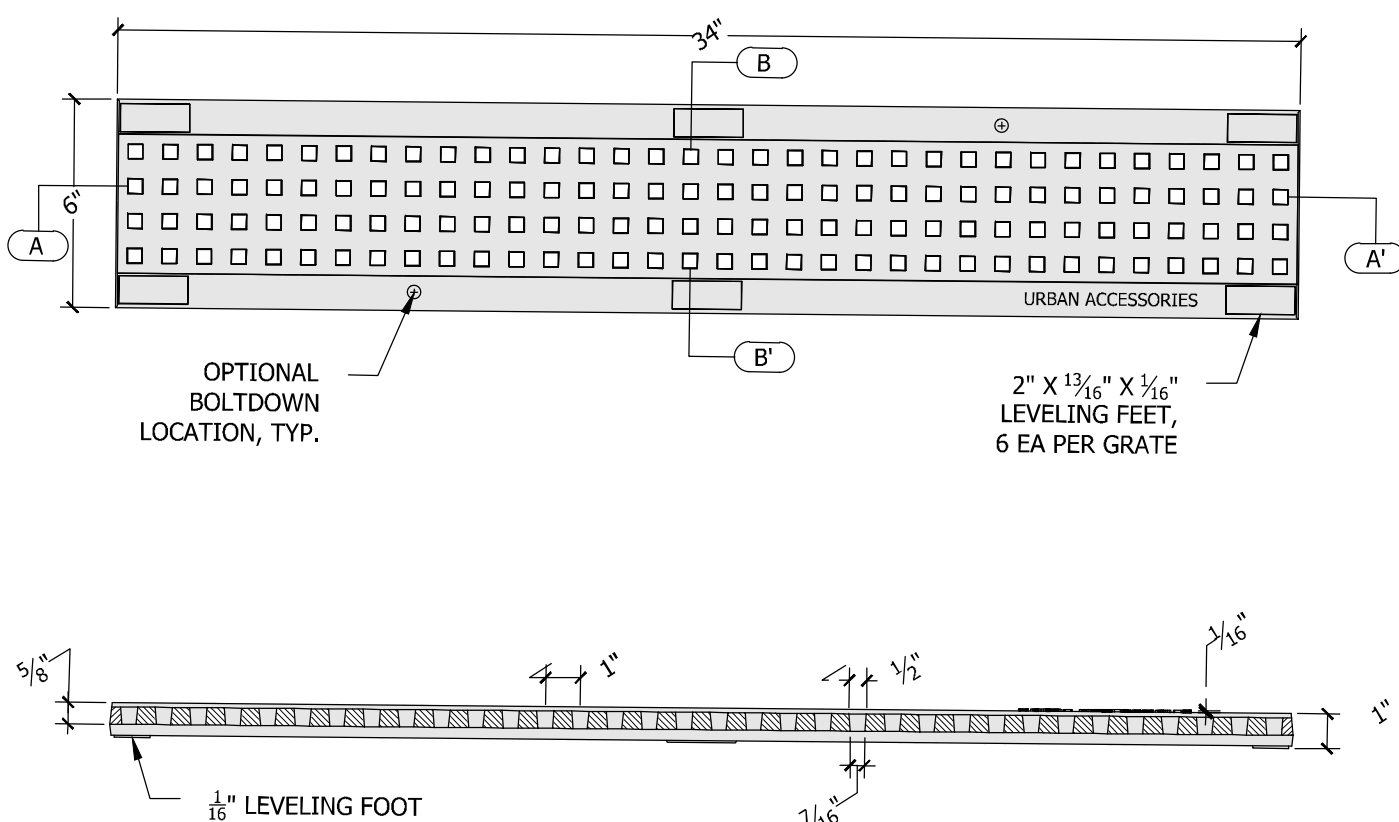
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REV	DESCRIPTION	BY	DATE	CHKD
2	ADDED E-80 INFORMATION	TJR	08/20/07	
1		MMDDYY		
TYPICAL TRENCH DETAIL				
DRAWING NUMBER: STD-101				
4540 TRUEMAN BLVD HILLIARD, OHIO 43026				
SHEET NO. 101B006 DATE: 10/18/06 NTS 1 OF 1				

PIPE TRENCH DETAIL

NOT TO SCALE



TRENCH DRAIN GRATE

NOT TO SCALE

NOTES:

1. PROVIDE ADA ACCESSIBLE URBAN ACCESSORIES TRENCH DRAIN OR APPROVED EQUAL.

OWNER:



DGS (DEPARTMENT OF GENERAL SERVICES)
2000 14TH STREET, NW, 8TH FLOOR
WASHINGTON, DC 20005

ARCHITECT



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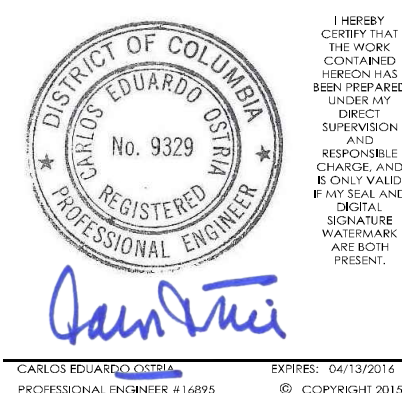
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AMT PROJECT #103-506

ENGINEER'S CERTIFICATE



SUBMISSION SCHEDULE

DATE

CONSTRUCTION DOCUMENTS SET

9/21/15

REVISION SCHEDULE

DATE

PROJECT:

**DYRS-YOUTH SERVICES
CENTER COURTYARD
RENOVATIONS**

1000 MOUNT OLIVET ROAD, NE
WASHINGTON, DC 20002

SHEET TITLE:

**STORMWATER MANAGEMENT
DETAILS**

PROJECT NO: 113-506

9/21/2015

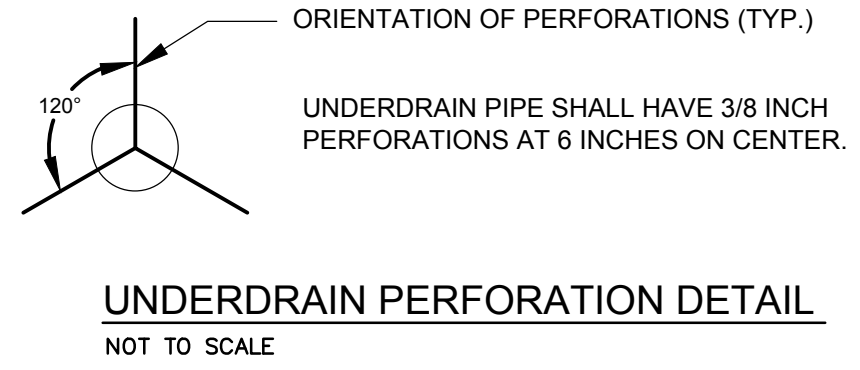
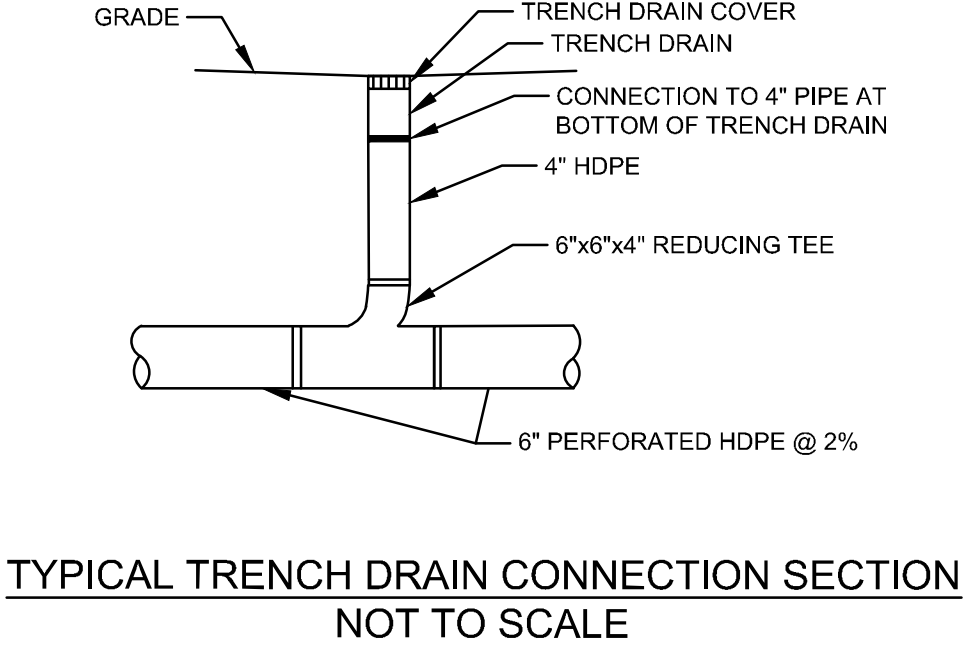
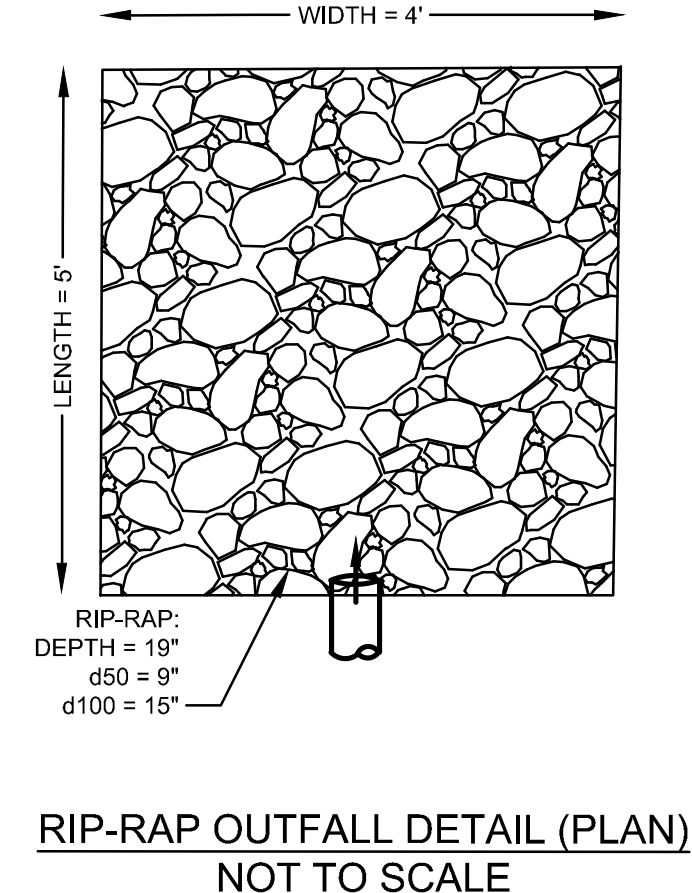
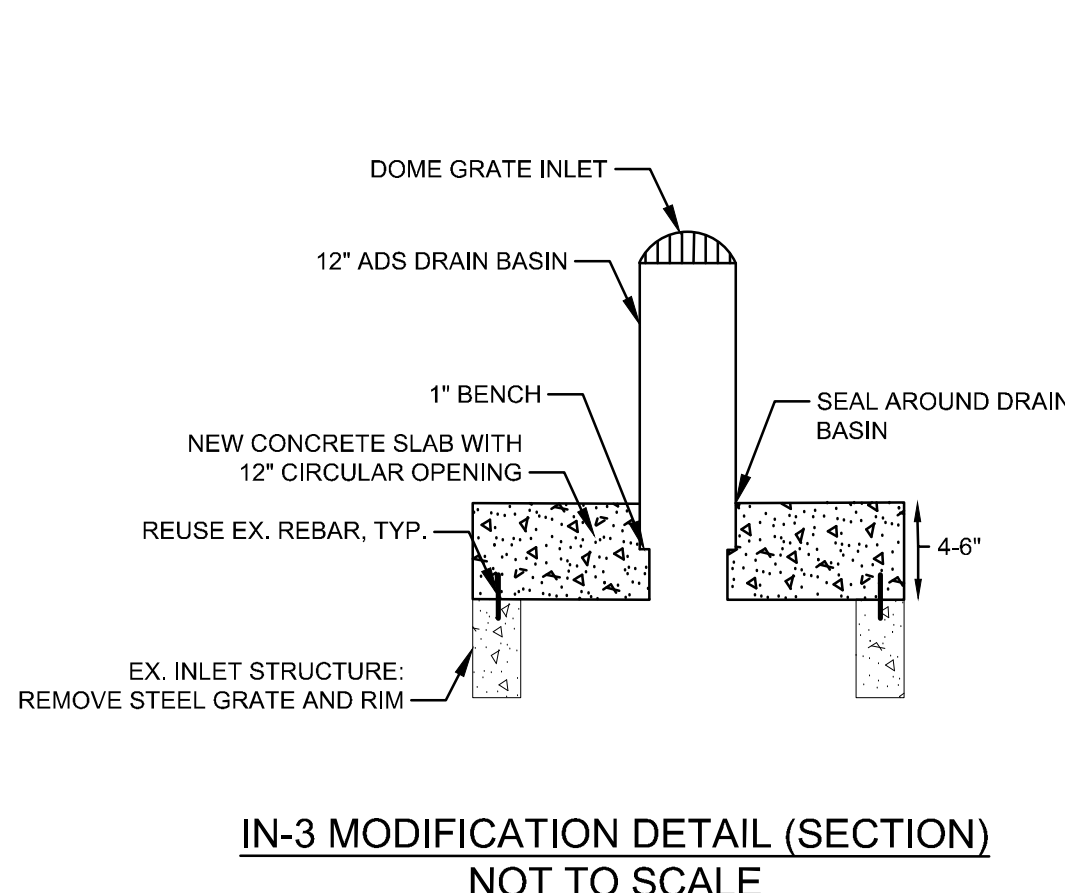
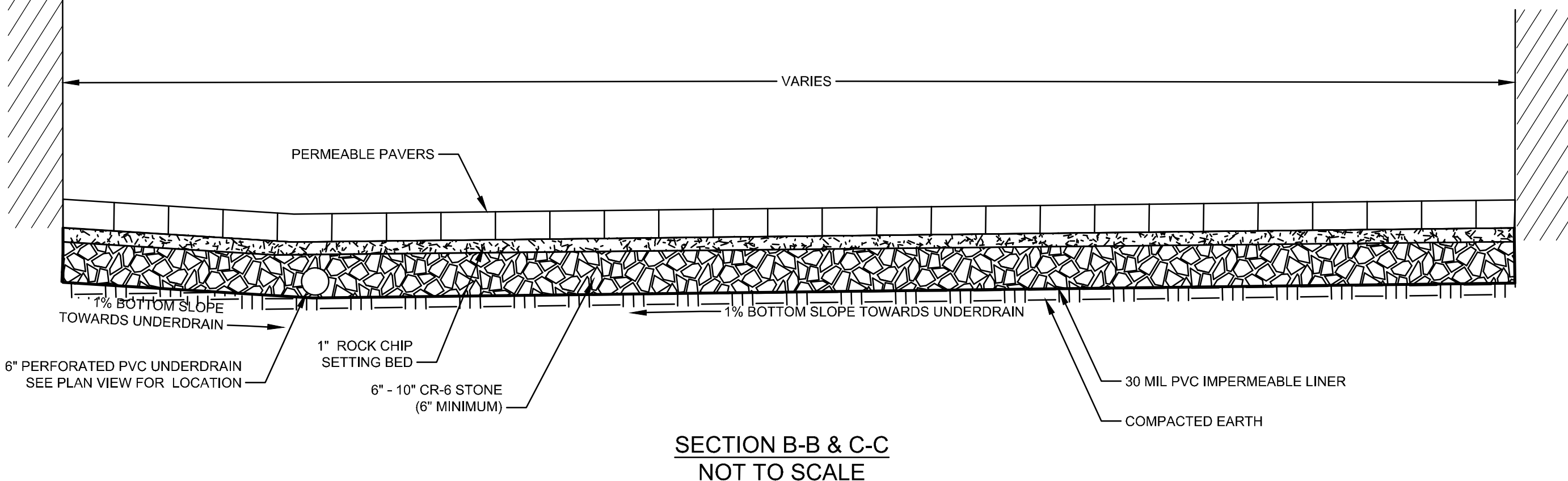
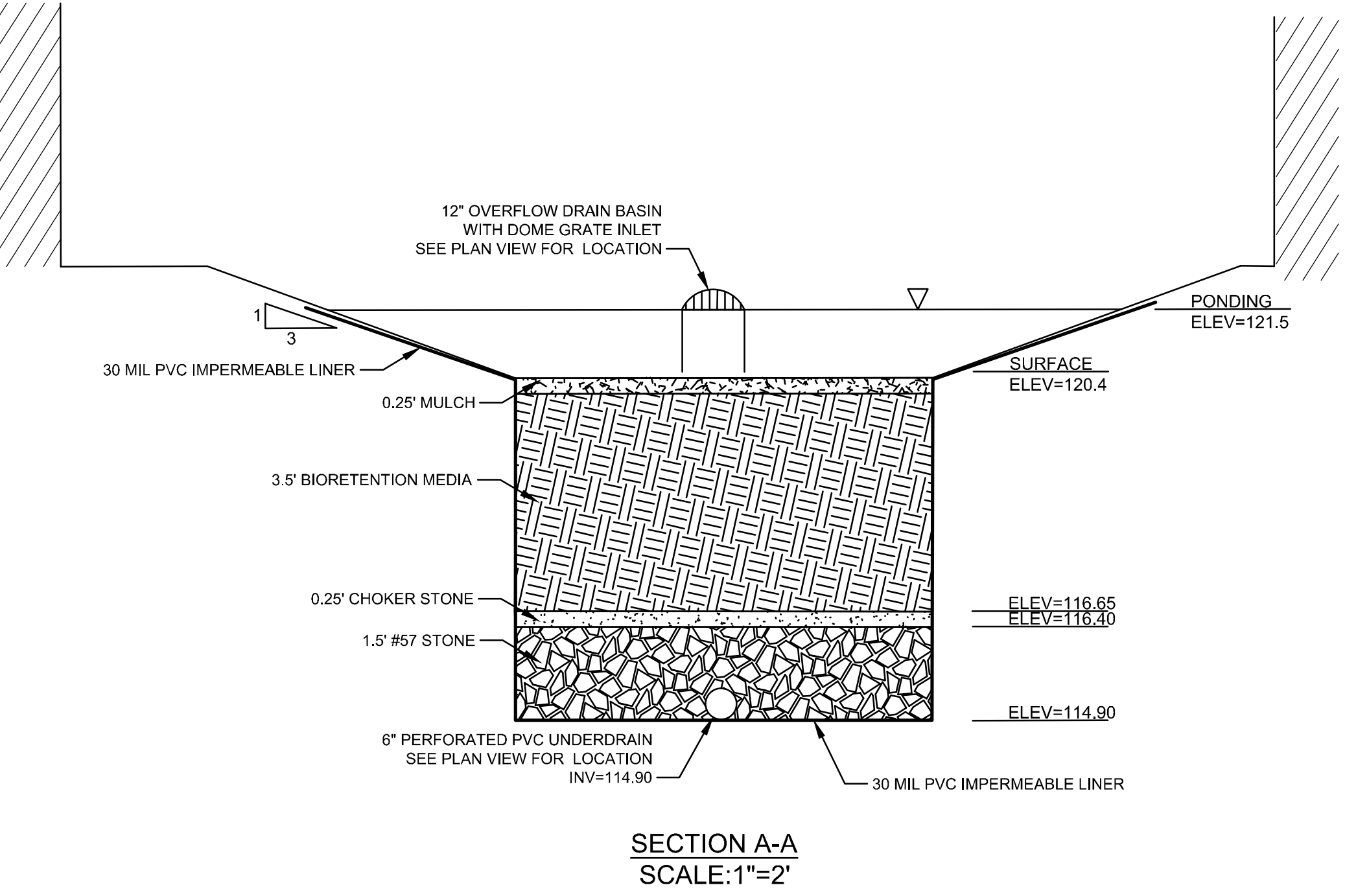
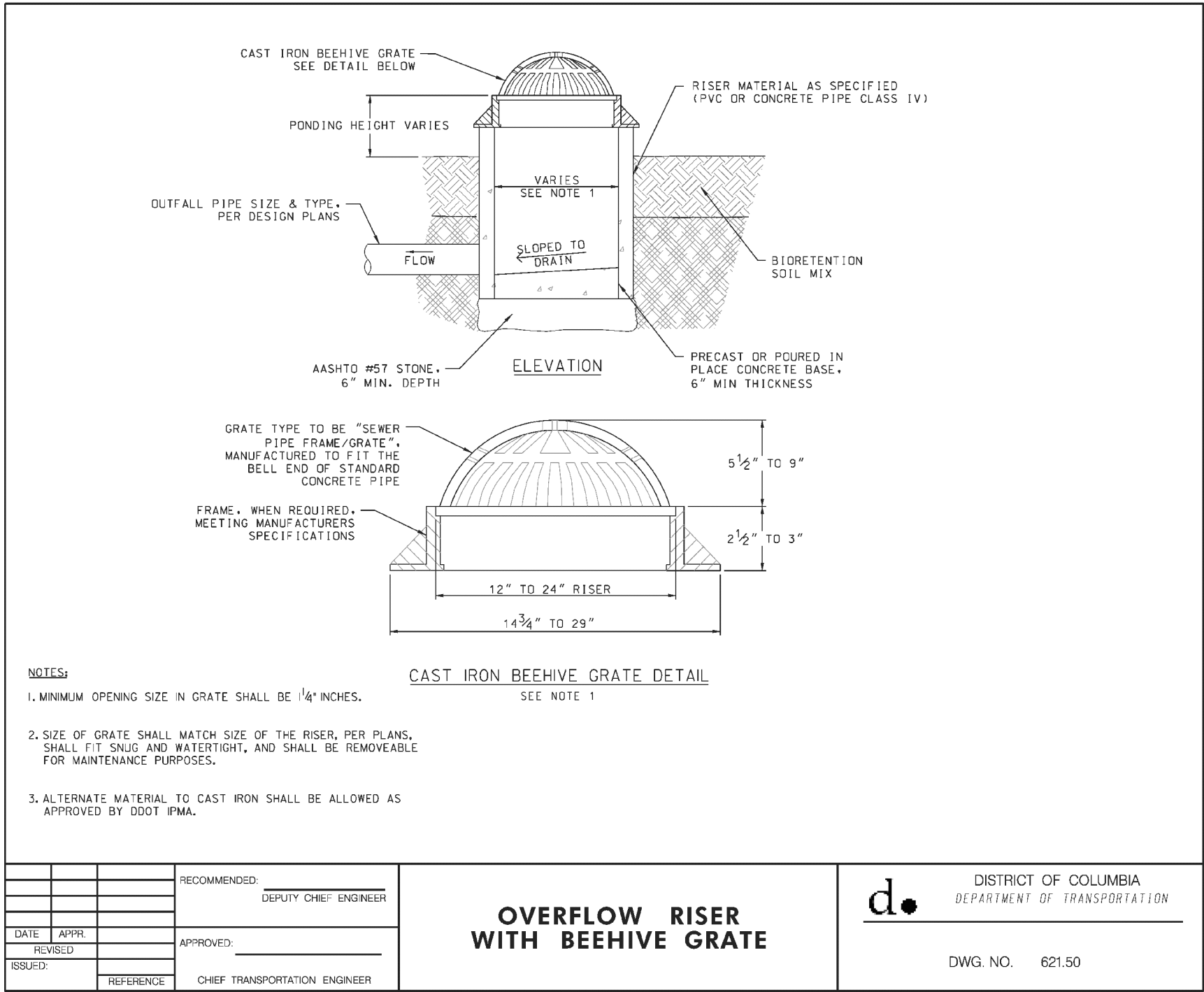
SCALE: N/A

SHEET NO:

C-6.1



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AMT PROJECT #103-506

ENGINEER'S CERTIFICATE

DISTRICT OF COLUMBIA
EDUARDO GONZALEZ
No. 9329
REGISTERED PROFESSIONAL ENGINEER

I HEREBY CERTIFY THAT THE WORK DESCRIBED HEREIN WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND I AM A RESPONSIBLE ENGINEER AND A LICENSED PROFESSIONAL ENGINEER IN THE DISTRICT OF COLUMBIA.

CARLOS REYES-CORREA
PROFESSIONAL ENGINEER # 9329

DATE: 09/21/2015
BY: [Signature]

SUBMISSION SCHEDULE DATE
CONSTRUCTION DOCUMENTS SET 9/21/15

REVISION SCHEDULE DATE

PROJECT:
DYRS-YOUTH SERVICES
CENTER COURTYARD
RENOVATIONS
1000 MOUNT OLIVET ROAD, NE
WASHINGTON, DC 20002

SHEET TITLE:
STORMWATER MANAGEMENT
DETAILS

PROJECT NO: 113-506
9/21/2015
SCALE: N / A
SHEET NO:

C-6.2

Bioretention																			
Step 1: Define the Drainage Area																			
Total Drainage Area (SA) =	8854 SF																		
Total Impervious Area (A _i) =	1890 SF	=	21.35%																
Impervious Area Vehicle Accessible =																			
Total Compacted Cover Area (A _c)=	6701 SF	=	75.68%																
Total Natural Cover Area (A _n)=	0 SF	=	0.00%																
STEP 2: Calculate Maximum Stormwater Retention Volume (SWR_v)																			
Maximum Storm Event (P) =	1.7 in.																		
Target SWRV =	492 CF	=	3678 GAL																
STEP 3: Calculate Storage Volume Provided																			
Facility Surface Area, SA =	263 SF																		
Depth of Media (d _{MEDIA}) =	3.5 FT																		
Max. Allowed Media Depth =	5.5 FT																		
Depth of Gravel (d _{GRAVEL}) =	1.5 FT																		
Subsurface Storage =	388 CF																		
Depth of Ponding =	1.00 FT																		
Ponding Storage =	411 CF																		
Storage Volume Provided (S _v) =	799 CF	=	5976 GAL																
Will Underdrains be Provided?	YES																		
SWRV Credited =	479 CF	=	3586 GAL																
<div>SWRV = {P x [(R_{VI} x %I) + (R_{VC} x %C) + (R_{VN} x %N)] x SA} x 7.48 12 R_{VI} = 0.95 R_{VC} = 0.25 R_{VN} = 0 7.48 = Conversion Factor from CF to GAL 12 = Conversion Factor from IN to FT</div>																			
<div>Storage Volume = SA x [(d_{MEDIA} x η_{MEDIA}) + (d_{GRAVEL} x η_{GRAVEL})] + PONDING STORAGE where: η_{MEDIA}= 0.25 η_{GRAVEL}= 0.40</div>																			
<div>Dmedia Check R_{VCDA} = 0.80 SA/CDA (%) = 3.0% Guidebook, June 2013) Max. Allowed Media Depth* = 5.5 FT *Maximum allowed media depth will be used to calculate storage volume. Additional media depth will not count toward storage volume requirement.</div>																			
<table><tr><td>Bioretention</td><td colspan="3">Ponding Area-Elevation Storage Curve</td></tr><tr><td>Elevation (ft)</td><td>Area (sf)</td><td>Inc. Vol (cf)</td><td>Cum. Vol (cf)</td></tr><tr><td>120.50</td><td>263</td><td>0</td><td>0</td></tr><tr><td>121.50</td><td>559</td><td>411</td><td>411</td></tr></table>				Bioretention	Ponding Area-Elevation Storage Curve			Elevation (ft)	Area (sf)	Inc. Vol (cf)	Cum. Vol (cf)	120.50	263	0	0	121.50	559	411	411
Bioretention	Ponding Area-Elevation Storage Curve																		
Elevation (ft)	Area (sf)	Inc. Vol (cf)	Cum. Vol (cf)																
120.50	263	0	0																
121.50	559	411	411																

BIORETENTION CALCULATIONS

Site Address	1000 Mount Olivet Road NE	Plan number	4864
Stormwater Management Plan?	Yes	Green Area Ratio?	No - GAR does not apply to this property
Soil Erosion and Sediment Control?	Yes	Floodplain Review?	No
Type of Activity	Major Land Disturbing	AWDZ?	Non-AWDZ site located within AWDZ boundaries
Is the entire site in the CSS?	Yes		

	Total Area (sf)	Site Area	PROW	Curve Numbers
Natural	0	0		<input type="checkbox"/> Detention requirements calculated with rational method?
Compacted	6,964	6,964		Pre-development 70 2-year storm adjusted CN
Impervious	1,627	1,627		Pre-project 0 15-year storm adjusted CN 0
BMP	263	263		100-year storm adjusted CN 0
Total	8,854	8,854		

<u>Requirements Summary</u> (total is the sum of PROW and Parcel)	PROW (ft³)	Parcel (ft³)	Total (ft³)	Total (Gallons)
SWRv		354	354	2,645
WQTV		0	0	0
On-site retention achieved		479	479	3,586
On-site treatment achieved		22	22	162
% of SWRv met on-site		136%	135.56%	135.56%
SRC eligibility (all numbers in gallons)				941
Offv				0

STORMWATER MANAGEMENT PLAN COMPLIANCE DATA

Site Drainage Area ID	Public Right of Way	Total area (square feet)	Natural (square feet)	Compacted (square feet)	Impervious (square feet)	BMP (square feet)	Vehicular access area	SWR _v (cubic feet)	WQTV (cubic feet)	Volume retained (cubic feet)	Volume treated (cubic feet)	2-year storm adjusted Curve Number	15-year storm adjusted Curve Number	100-year storm adjusted Curve Number	Compliant
4864-1	<input type="checkbox"/>	8,854		6,964	1,627	263		354		479	22				N/A

SITE DRAINAGE AREA COMPLIANCE DATA

BMP ID number	Type	Total CDA (square feet)	Natural (square feet)	Compacted (square feet)	Impervious (square feet)	BMP (square feet)	Total Post project vehicular access area	Volume received from upstream BMPs (cubic feet)	Max volume received by BMP (cubic feet)	Storage volume (cubic feet)	Retention calculation	Volume retained (cubic feet)	Volume treated (cubic feet)	Downstream BMP ID Numbers
4864-1-1	Traditional bioretention - Standard	8,854		6,964	1,627	263			501	799	60% of storage volume	479	22	

SITE BMP COMPLIANCE DATA

OWNER

DGS

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WASHINGTON, DC 20002
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AMT PROJECT #103-506

ENGINEER'S CERTIFICATE

DISTRICT OF COLUMBIA
EDUARDO CORTES
No. 9329
REGISTERED PROFESSIONAL ENGINEER

1-REPORT
2-CERTIFY THAT
THE WORK
CONFORMS
TO THE
REQUIREMENTS
OF THE
DISTRICT OF
COLUMBIA
ENGINEERING
AND
SURVEYING
ACT
AND
I AM
RESPONSIBLE
FOR THE
ACCURACY
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COMPLETION
OF THE
WORK

CARLOS REYES
PROFESSIONAL ENGINEER #14875

DATE: 10/15/2018
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SUBMISSION SCHEDULE	DATE
CONSTRUCTION DOCUMENTS SET	9/21/15

REVISION SCHEDULE	DATE
-------------------	------

PROJECT:

DYRS-YOUTH SERVICES
CENTER COURTYARD
RENOVATIONS

1000 MOUNT OLIVET ROAD, NE
WASHINGTON, DC 20002

SHEET TITLE:
STORMWATER MANAGEMENT
CALCULATIONS

PROJECT NO: 113-506

9/21/2015

SCALE: N / A

SHEET NO:

C-6.3

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