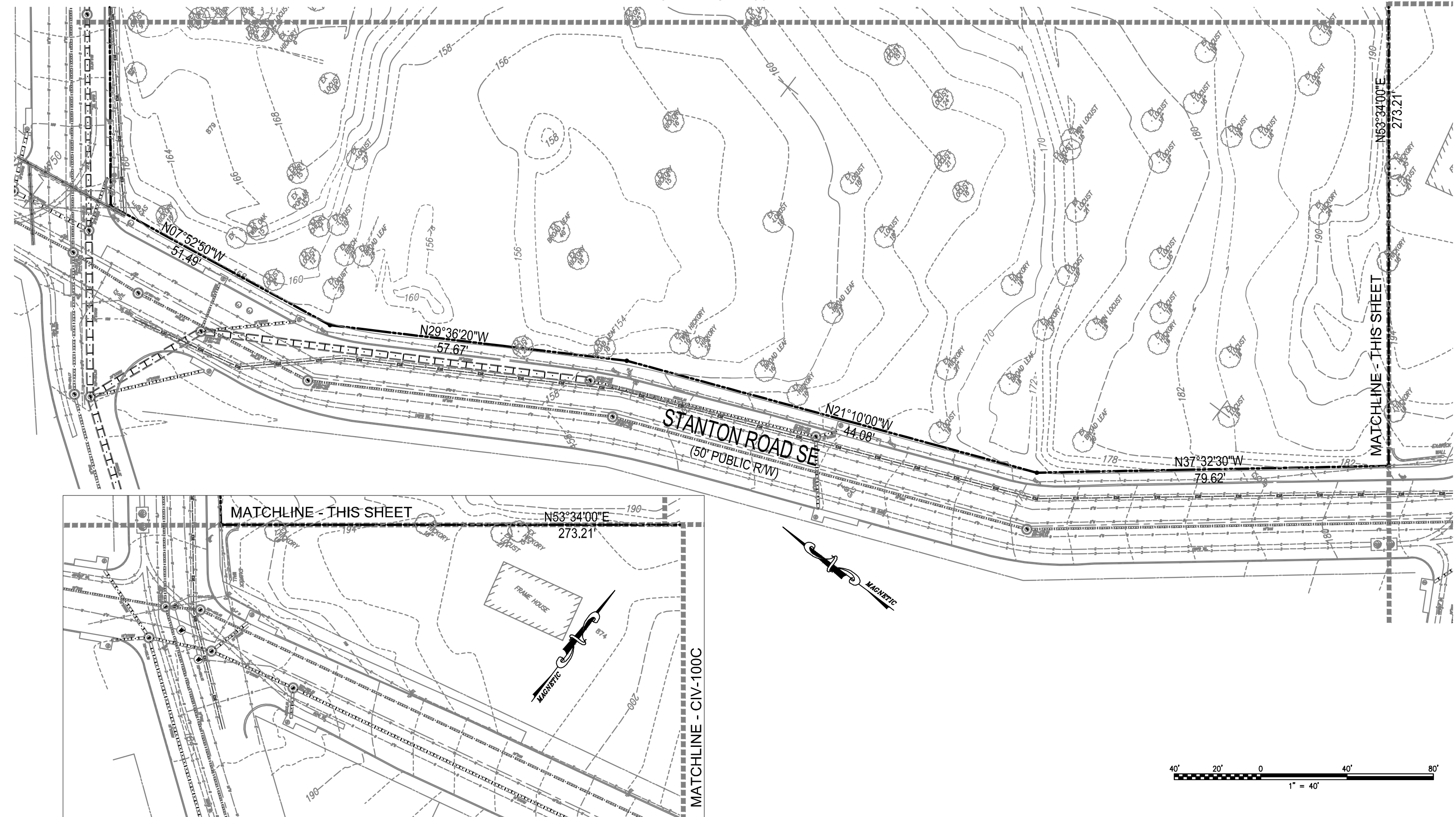
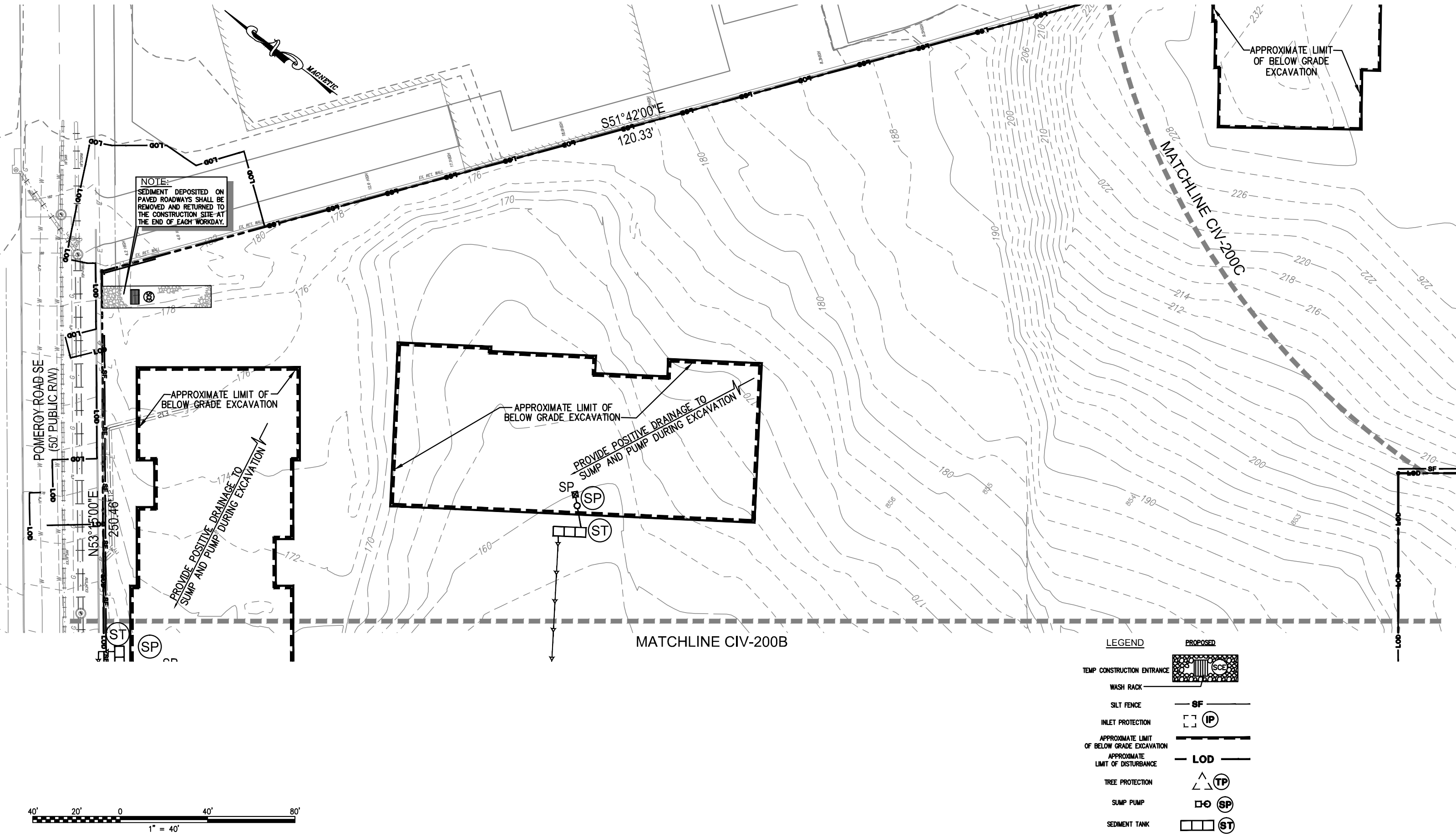
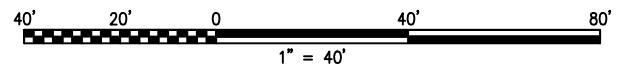
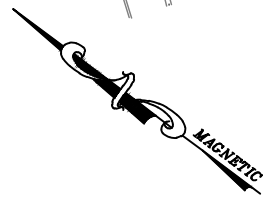
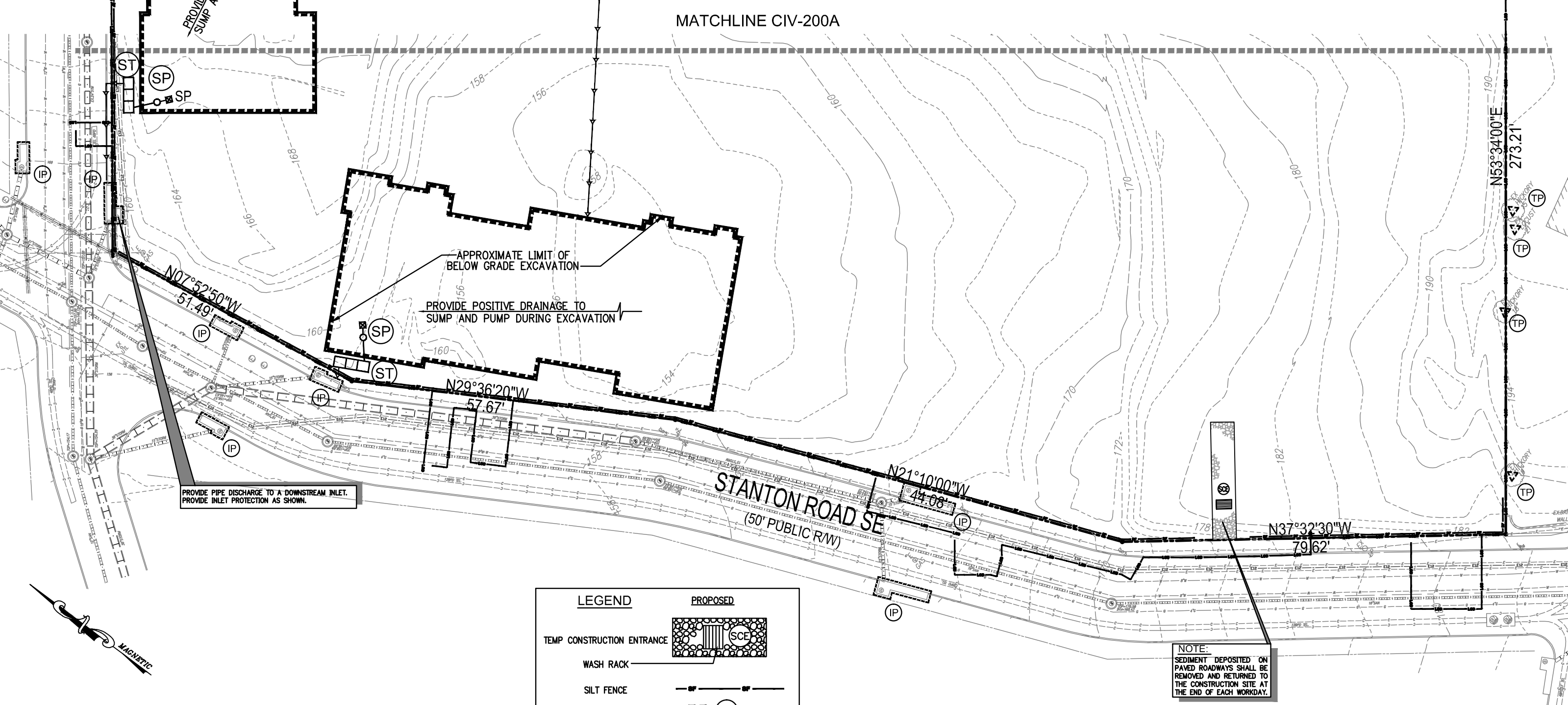


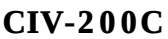
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LEGEND	PROPOSED
TEMP CONSTRUCTION ENTRANCE	
WASH RACK	
SILT FENCE	
INLET PROTECTION	
APPROXIMATE LIMIT OF BELOW GRADE EXCAVATION	
APPROXIMATE LIMIT OF DISTURBANCE	
TREE PROTECTION	
SUMP PUMP	
SEDIMENT TANK	



TREE PROTECTION AND REPLACEMENT NOTES:

A. DESCRIPTION:
 WORK UNDER THIS ITEM INCLUDES PROVIDING PROTECTION FOR EXISTING TREES WITHIN THE PROJECT LIMITS DURING CONSTRUCTION OPERATIONS. WORK SHALL INCLUDE PROTECTION BY FENCING OF ALL TREES WITHIN THE PROJECT BOUNDARIES AS INDICATED ON THE CONTRACT DOCUMENTS. THE CONTRACTOR IS LIABLE FOR REPLACEMENT AND REPAIR OF TREES OR COMPENSATION FOR TREES DAMAGED OR KILLED THROUGH NEGLECT OR FAILURE TO APPLY TREE PROTECTION DURING CONSTRUCTION OPERATIONS. FAILURE OF THE CONTRACTOR TO IMPLEMENT TREE CONSERVATION MEASURES OR TREE REPLACEMENT, AS DIRECTED BY THE ENGINEER, WILL RESULT IN COMPENSATION OR LIQUIDATED DAMAGES TO THE DISTRICT ACCORDING TO THE SCHEDULE OF PAYMENT CONTAINED HEREIN. ANY REPLACEMENT DETERMINED TO BE REQUIRED BY THE ENGINEER MUST BE PERFORMED WITHIN TWO (2) WEEKS OF NOTIFICATION, UNLESS OUTSIDE OF THE PLANTING SEASON, IN WHICH CASE REPLACEMENT MUST OCCUR WITHIN THE FIRST TWO (2) WEEKS OF THE PLANTING SEASON.

B. METHODS AND MATERIALS:
 PROTECTION FROM DAMAGE CAUSED BY THE CONTRACTOR’S EQUIPMENT OR CARELESSNESS SHALL CONSIST OF THE FOLLOWING METHODS AND MEASURES:
 ALL TREES TO BE PRESERVED SHALL BE PROTECTED AGAINST DAMAGE DURING CONSTRUCTION OPERATIONS BY FENCING. THE TREE PROTECTION FENCING SHALL BE PLACED BEFORE ANY EXCAVATION OR GRADING HAS COMMENCED. DETAILS OF THE MINIMUM ACCEPTABLE TREE PROTECTION ARE SHOWN IN THE CONTRACT DOCUMENTS. NO EQUIPMENT, TRAILERS OR MATERIALS MAY BE PLACED WITHIN THE DRIP LINE OF EXISTING TREES TO BE RETAINED WITHIN THE PROJECT LIMITS WITH THE EXCEPTION OF PAVED AREAS OR AREAS TO BE PAVED.
 ANY DAMAGE DONE TO EXISTING TREE CROWNS OR ROOT SYSTEMS SHALL BE REPAIRED IMMEDIATELY BY THE CONTRACTOR UNDER THE DIRECTION OF AN ARBORIST FROM THE DISTRICT’S URBAN FORESTRY ADMINISTRATION. IF ANY TREES NOT DESIGNATED TO BE REMOVED ARE SEVERELY INJURED OR KILLED BY THE CONTRACTOR’S OPERATIONS FOR ANY REASON, THEY SHALL BE REPLACED IN KIND BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE DISTRICT, OR BY PAYMENT IN LIQUIDATED DAMAGES ACCORDING TO THE FOLLOWING SCHEDULE:
 – \$200 PER INCH OF DIAMETER
 – THE DIAMETER OF THE TREE TRUNK SHALL BE MEASURED BREAST HIGH (4 TO 5 FEET) ABOVE THE GROUND. REPLACEMENT SHALL BE DONE ON A DBH INCH PER DBH INCH BASIS (1 DBH INCH OF REPLACEMENT TREES PER DBH INCH OF DAMAGED TREES). TREES REPLACED IN KIND SHALL BE PLANTED IN ACCORDANCE WITH 608.02. THE ENGINEER SHALL BE SOLELY RESPONSIBLE FOR DETERMINING WHETHER OR NOT A GIVEN INJURY IS SUFFICIENT TO WARRANT REPAIR, REPLACEMENT OR MONETARY COMPENSATION BY THE CONTRACTOR.
 MATERIALS SHALL MEET THE FOLLOWING REQUIREMENTS:
 – TREE PROTECTION FENCING: TREE PROTECTION FENCING SHALL CONSIST OF 6 FOOT TALL CHAIN LINK FENCE MATERIALS. FENCING SHALL PROTECT AN AREA NO SMALLER THAN 9 FOOT X 4 FOOT.
C. MEASURE AND PAYMENT:
 THE UNIT OF MEASURE WILL BE EACH. NO DIRECT MEASURE WILL BE TAKEN. PAYMENT FOR TREE PROTECTION AND REPLACEMENT WILL BE MADE AT THE CONTRACT UNIT PRICE PER EACH FOR TREE PROTECTION, WHICH PAYMENT WILL INCLUDE ALL LABOR, TOOLS, MATERIALS, EQUIPMENT, AND INCIDENTALS NEEDED TO COMPLETE THE REQUIRED WORK. NO PAYMENT WILL BE MADE FOR REPAIR AND REPLACEMENT IN KIND FOR TREES DAMAGED OR KILLED DUE TO THE CONTRACTOR’S OPERATIONS. THIS WORK WILL BE PERFORMED AT THE SOLE EXPENSE OF THE CONTRACTOR.

TREE ROOT PROTECTION:

A. DESCRIPTION:
 THIS WORK INCLUDES PRECAUTIONS TO BE TAKEN WHILE PERFORMING UTILITY TRENCHING, ROADWAY WORK, SIDEWALK, AND CURB INSTALLATION. WORK ALSO INCLUDES FURNISHING AND PLACEMENT OF PREPARED PLANTING SOIL MIX AND FERTILIZER (FERTILIZER IS NOT NEEDED UNLESS AN ELEMENT IS DEFICIENT) BACKFILL AROUND EXPOSED AND DISTURBED ROOTS, AND THE DISPOSAL OF EXCESS MATERIALS, BRANCHES AND DEBRIS.

B. CONSTRUCTION METHODS:
 CONSTRUCTION OPERATIONS ADJACENT TO EXISTING TREES SHALL BE PERFORMED IN ACCORDANCE WITH 608.07(B) TO PREVENT TRUNK, CROWN, AND ROOT DAMAGE. TREE ROOTS SHALL NOT BE CUT UNLESS SPECIFICALLY AUTHORIZED BY THE DEPARTMENT OF TRANSPORTATION’S URBAN FORESTRY ADMINISTRATION. IF AUTHORIZED, PRUNING SHALL BE PERFORMED UNDER THEIR SUPERVISION IN ACCORDANCE WITH 107.12 AND 608.04(B), OR BY A CERTIFIED ARBORIST MEETING THEIR APPROVAL. WHEN AUTHORIZED BY THE ENGINEER, THE CONTRACTOR MAY CUT MINOR ROOTS (LESS THAN 2 INCHES IN DIAMETER) WITH HIS OWN FORCES. WHEN TRENCHING OR WHEN OLD CURB, GUTTER, OR SIDEWALK IS REMOVED, DAMP BURLAP SHALL BE PLACED OVER EXPOSED ROOTS AND KEPT DAMP AT ALL TIMES UNTIL THE NEW WORK IS PLACED. TRENCH EXCAVATION SHALL FOLLOW 207.03 TO AVOID ROOT DAMAGE TO ROOTS LARGER THAN 2 INCHES IN DIAMETER. EXPOSED OR CUT ROOTS SHALL BE BACKFILLED WITH PREPARED FERTILIZER–ENRICHED PLANTING SOIL MIX TO ENCOURAGE ROOT GROWTH. (FERTILIZER IS NOT NEEDED UNLESS AN ELEMENT IS SHOWN TO BE DEFICIENT.)

IN ALL OPERATIONS INVOLVING UTILITY TRENCHING, THE WORK SHALL BE PERFORMED AS PER 207.03. WHENEVER POSSIBLE, ROOT CUTTING SHALL BE AVOIDED; NO PART OF THE ROOT BALL SHALL BE TRENCHED. UTILITY TRENCHING SHALL NOT BE ALLOWED IF TREE ROOTS ARE WITHIN THE TRENCH AREA DETERMINED AS THE DRIP–LINE OF THE TREE. THESE EXCAVATIONS SHALL BE AUGURED OR TUNNELED, AS NECESSARY, TO PREVENT ROOT CUTTING.

IN CURB INSTALLATIONS, IT IS RECOMMENDED THAT CURBING BE BRIDGED ACROSS THE LENGTH OF THE TREE SPACE, WITHOUT A DRY MIX BACKING BLOCK, IN ORDER TO AVOID ANY TRENCHING EXCAVATION IN THE VICINITY OF THE ROOTS. THE LENGTH OF CURBING PLACED ADJACENT TO THE LENGTH OF THE TREE SPACE SHALL THEN BE DOWELLED OR PINNED TO THE STANDARD CURB CONSTRUCTION OUTSIDE THE TREE SPACE.

TREES LOCATED ADJACENT TO CONSTRUCTION WORK SHALL BE WATERED AT TEN (10) DAY INTERVALS THROUGHOUT THE GROWING SEASON. THE CONTRACTOR SHALL SUPPLY WATERING BAGS OF SAME TYPE THAT ARE SOLD IN THE INDUSTRY AND FILL THEM ACCORDING TO THE MANUFACTURER’S SPECIFICATIONS OR AT A MINIMUM KEEPING THE BAG FULL DURING THE GROWING SEASON. NO EQUIPMENT, TRAILERS, OR MATERIAL SHALL BE PLACED WITHIN 20 FEET OR WITHIN THE DRIP LINES OF ANY TREE TO BE SAVED, WHICHEVER IS GREATER.

ANY DAMAGE DONE TO EXISTING TREE TRUNKS, CROWNS, OR ROOT SYSTEMS SHALL BE REPAIRED IMMEDIATELY BY THE CONTRACTOR, AT HIS EXPENSE, UNDER THE DIRECTION OF AN ARBORIST FROM THE DEPARTMENT OF TRANSPORTATION’S URBAN FORESTRY ADMINISTRATION.

PROTECT ROOT SYSTEMS FROM DAMAGE CAUSED BY RUNOFF OR SPILLAGE OF NOXIOUS MATERIALS WHILE MIXING, PLACING, OR STORING CONSTRUCTION MATERIALS. PROTECT ROOT SYSTEMS FROM PONDING, ERODING, OR EXCESSIVE WETTING CAUSED BY DEWATERING OPERATIONS. DO NOT STORE CONSTRUCTION MATERIALS, DEBRIS, OR EXCAVATED MATERIAL INSIDE TREE PROTECTION ZONES. DO NOT PERMIT VEHICLES OR FOOT TRAFFIC WITHIN TREE PROTECTION ZONES; PREVENT SOIL COMPACTION OVER ROOT SYSTEMS.

MAINTAIN TREE PROTECTION ZONES FREE OF WEEDS AND TRASH.

INSTALL MYCORRHIZAL FUNGAL INOCULATION INSIDE THE TREE PROTECTION ZONE AS REQUIRED BY THE MANUFACTURER.

WHERE RE–GRADING IS REQUIRED, THE FOLLOWING SHALL APPLY:

MINOR FILL: WHERE EXISTING GRADE IS 6 INCHES OR LESS BELOW ELEVATION OF FINISH GRADE, FILL WITH MATERIAL AS SHOWN IN THE CONTRACT DRAWINGS. PLACE MATERIAL IN A SINGLE UNCOMPACTED LAYER AND HAND GRADE TO REQUIRED FINISH ELEVATIONS.

MODERATE FILL: WHERE EXISTING GRADE IS MORE THAN 6 INCHES (150 MM) BUT LESS THAN 12 INCHES (300 MM) BELOW ELEVATION OF FINISH GRADE, PLACE DRAINAGE FILL, FILTER FABRIC, AND TOPSOIL ON EXISTING GRADE AS FOLLOWS:

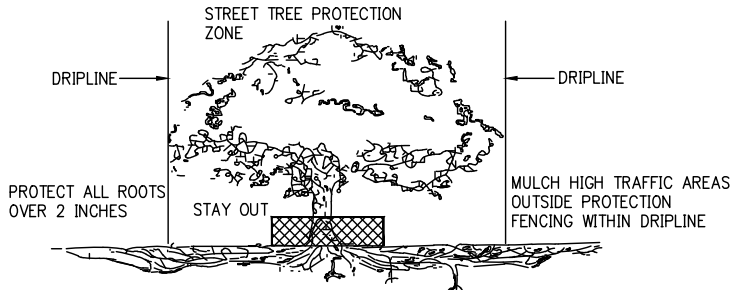
CAREFULLY PLACE DRAINAGE FILL AGAINST TREE TRUNK APPROXIMATELY 2 INCHES (50 MM) ABOVE ELEVATION OF FINISH GRADE AND EXTEND NOT LESS THAN 18 INCHES (450 MM) FROM TREE TRUNK ON ALL SIDES. FOR BALANCE OF AREA WITHIN DRIP LINE PERIMETER, PLACE DRAINAGE FILL UP TO 6 INCHES (150 MM) BELOW ELEVATION OF GRADE.

PLACE FILTER FABRIC WITH EDGES OVERLAPPING 6 INCHES (150 MM) MINIMUM. PLACE FILL LAYER OF MATERIAL TO FINISH GRADE. DO NOT COMPACT DRAINAGE FILL.

HAND GRADE TO REQUIRED ELEVATIONS.

C. MEASURE AND PAYMENT:

NO MEASURE WILL BE TAKEN FOR THIS WORK. NO DIRECT PAYMENT WILL BE MADE. THIS WORK IS CONSIDERED INCIDENTAL TO THE WORK BEING PERFORMED, THE COST OF WHICH SHALL BE CONSIDERED WHEN PREPARING BIDS FOR WORK IN THESE AREAS.



STREET TREE PROTECTION

- ALL EXISTING STREET TREES, TO REMAIN WITHIN A WORK ZONE UNTIL A PROJECT IS COMPLETED, REQUIRE THE FOLLOWING AS TREE PROTECTION. IF FOR ANY REASON THE SCOPE OF THE PROJECT REQUIRES WORK TO BE PERFORMED WITHIN THE FENCED PROTECTION ZONE, THE PERMIT HOLDER MUST CONTACT THE DISTRICT DEPARTMENT OF TRANSPORTATION’S URBAN FORESTRY ADMINISTRATION AT 202–671–5133 BEFORE ENTERING.
 - SIX (6) FOOT TALL CHAIN LINK FENCING ON ALL SIDES.
 - INSTALL FENCING PRIOR TO AND MAINTAIN THROUGHOUT CONSTRUCTION, REMOVING ONLY AT THE END OF THE PROJECT.
 - FENCING SHALL PROTECT AN AREA NO SMALLER THAN 4 FEET BY 9 FEET.
 - FENCING SHALL HAVE VERTICAL AND HORIZONTAL SUPPORT RAILINGS TO DECREASE FLEXIBILITY AND PREVENT SAGGING.
 - FENCE POSTS SHALL BE ANCHORED IN THE GROUND TO PREVENT MOVEMENT AND PROVIDE A AUTHORIZED ENTRY ONLY: CONTACT THE WARD ARBORIST AT DDOT URBAN SECURE BARRIER.
- NO INSTALLATION OF SILT FENCE/SUPER SILT FENCE, TRENCHING, ALTERATION OR DISTURBANCE TO EXISTING GRADE; STAGING/ STORAGE OF CONSTRUCTION MATERIALS, EQUIPMENT, SOIL, OR DEBRIS; DISPOSAL OF ANY MATERIALS SUCH AS CONCRETE, GAS, OIL, PAINT, AND BLACKTOP IS ALLOWED WITHIN THE FENCED TREE PROTECTION ZONE.
- EXCAVATIONS WITHIN THE DRIP LINE SHALL PROCEED WITH CARE BY USE OF HAND TOOLS. THE DRIPLINE IS DEFINED AS THE GROUND AREA UNDER THE CANOPY OF THE TREE.
- NO ROOTS LARGER THAN TWO (2) INCHES IN DIAMETER ARE TO BE CUT WITHOUT UFA PERMISSION.
- EXPOSED ROOTS TWO (2) INCHES AND LARGER IN DIAMETER SHALL BE WRAPPED IN BURLAP OR OTHER APPROVED MATERIAL AND KEPT MOIST AT ALL TIMES.
- TREES THAT ARE PROTECTED ARE TO BE WATERED EVERY 10 DAYS FROM APRIL THROUGH SEPTEMBER.
- SECTION 608.07 TREE PROTECTION AND REPLACEMENT OF THE 2013 DISTRICT DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR HIGHWAYS AND STRUCTURES WILL APPLY SHOULD ANY DAMAGE OCCUR TO THE EXISTING STREET TREE(S).
- ANY FINES RELATED TO DAMAGE TO A STREET TREE ON A JOB SITE SHALL BE THE RESPONSIBILITY OF THE PERMIT HOLDER.

DDOT/URBAN FORESTRY ADMINISTRATION MARCH 2014

DDOE 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 (0)]
- ESC MEASURES SHALL BE IN PLACE BEFORE AND DURING LAND DISTURBANCE.
[21 DCMR § 543.6]
- CONTACT DDOE 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 DDOE 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]
- PROTECT BEST MANAGEMENT PRACTICES FROM SEDIMENTATION AND OTHER DAMAGE DURING CONSTRUCTION FOR PROPER POST CONSTRUCTION OPERATION.
[21 DCMR § 543.5]
- REQUEST A DDOE 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 ON SITE THAT NOTIFIES THE PUBLIC TO CONTACT DDOE IN THE EVENT OF EROSION OR OTHER POLLUTION. THIS SIGN MUST BE IN PLAIN VIEW OF AND READABLE BY THE PUBLIC AT A DISTANCE OF TWELVE FEET (12 FT). THE SIGN WILL BE PLACED AT EACH ENTRANCE TO THE SITE OR AS DIRECTED BY THE DDOE INSPECTOR. THE SIGN WILL PROVIDE DDOE’S TELEPHONE NUMBER (202–535–2977) AND EMAIL ADDRESS.
[21 DCMR § 543.22]
IF A SITE DISTURBS 5,000 SQUARE FEET OF LAND OR GREATER, THE ESC PLAN MUST CONTAIN THE FOLLOWING STATEMENT:
- 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 DDOE 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 DDOE 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 DDOE–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 LIMESTONE FERTILIZER	2 TONS PER ACRE OR 92 LBS/1,000 (PERMANENT AND SODDING SQ.FT.) 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)
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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

1. 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.

2. "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.(0.5 kg/100 sq.m)

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 MEASURES AND SEQUENCE:

- ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE PLACED PRIOR TO OR AS THE FIRST STEP IN GRADING.
- PROVIDE TEMPORARY STONE CONSTRUCTION ENTRANCE WHERE SHOWN. PROVIDE WATER SOURCE AND HOSE TO CLEAN ALL EQUIPMENT LEAVING SITE.
- INSTALL SILT FENCE AS SHOWN.
- NO DISTURBED AREA WILL BE DENUDED FOR MORE THAN 7 CALENDAR DAYS. INSTALL THE NECESSARY TEMPORARY OR PERMANENT VEGETATIVE STABILIZATION MEASURES TO ACHIEVE ADEQUATE EROSION AND SEDIMENT CONTROL.
- ALL CONSTRUCTION TO 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 TO BE MAINTAINED IN WORKING CONDITION. TO BE MAINTAINED IN WORKING CONDITION.
- STABILIZED CONSTRUCTION ENTRANCES TO BE PERIODICALLY SUPPLEMENTED WITH ADDITIONAL STONE AS NEEDED.
- CONTROLS CAN BE REMOVED AFTER THEIR CONTRIBUTING BASINS HAVE BEEN PERMANENTLY STABILIZED, AND APPROVAL OF INSPECTOR IS OBTAINED.

POLLUTION PREVENTION THROUGH GOOD HOUSEKEEPING:

POLLUTION PREVENTION:

THIS APPENDIX IS MEANT TO COMPLEMENT APPENDIX P STORMWATER HOTSPOTS AND EROSION AND SEDIMENT CONTROL PLAN (ESCP), BUT NOT REITERATE EPA'S CONSTRUCTION GENERAL PERMIT REQUIREMENTS. THESE NOTES SHALL APPEAR AS STAMPED NOTES ON STORMWATER MANAGEMENT PLANS (SWMPs) WHERE LAND DISTURBANCE IS GREATER THAN 5,000 SQUARE FEET AND LESS THAN ONE ACRE. THESE NOTES SHALL CONSTITUTE A MINIMUM STORMWATER POLLUTION PREVENTION PLAN (SWPPPmin) AND PROVIDE GUIDANCE ON GOOD HOUSEKEEPING PRACTICES TO PREVENT POTENTIAL CONSTRUCTION-SITE POLLUTANT FROM INTERACTING WITH STORMWATER.

STORMWATER MANAGEMENT PLAN (SWMP) GOOD HOUSEKEEPING STAMP NOTES:

FUELS AND OILS

ON-SITE REFUELING WILL BE CONDUCTED IN A DEDICATED LOCATION AWAY FROM ACCESS TO SURFACE WATERS. INSTALL CONTAINMENT BERMS AND, OR SECONDARY CONTAINMENTS AROUND REFUELING AREAS AND STORAGE TANKS. SPILLS WILL BE CLEANED UP IMMEDIATELY AND CONTAMINATED SOILS DISPOSED OF IN ACCORDANCE WITH ALL FEDERAL AND DISTRICT OF COLUMBIA REGULATIONS. PETROLEUM PRODUCTS WILL BE STORED IN CLEARLY LABELED TIGHTLY SEALED CONTAINERS. ALL VEHICLES ON SITE WILL BE MONITORED FOR LEAKS AND RECEIVE REGULAR PREVENTIVE MAINTENANCE ACTIVITIES. ANY ASPHALT SUBSTANCES USED ON SITE WILL BE APPLIED ACCORDING TO MANUFACTURER'S RECOMMENDATIONS. SPILL KITS BE INCLUDED WITH ALL FUELING SOURCES AND MAINTENANCE ACTIVITIES.

SOLID WASTE

NO SOLID MATERIALS SHALL BE DISCHARGED TO SURFACE WATER. SOLID MATERIALS INCLUDING BUILDING MATERIALS, GARBAGE AND PAINT DEBRIS SHALL BE CLEANED UP DAILY AND DEPOSITED INTO DUMPSTERS, WHICH WILL BE PERIODICALLY REMOVED AND DEPOSITED INTO A LANDFILL.

ABRASIVE BLASTING

WATER BLASTING, SANDBLASTING, AND OTHER FORMS OF ABRASIVE BLASTING ON PAINTED SURFACES BUILT PRIOR TO 1978 MAY ONLY BE PERFORMED IF AN EFFECTIVE CONTAINMENT SYSTEM PREVENTS DISPERSAL OF PAINT DEBRIS.

FERTILIZER

FERTILIZERS WILL BE APPLIED ONLY IN THE MINIMUM AMOUNTS RECOMMENDED BY THE MANUFACTURER, WORKED INTO THE SOIL TO LIMIT EXPOSURE TO STORMWATER, AND STORED IN A COVERED SHED. PARTIALLY USED BAGS WILL BE TRANSFERRED TO A SEALABLE BIN TO AVOID SPILLS.

PAINT AND OTHER CHEMICALS

ALL PAINT CONTAINERS AND CURING COMPOUNDS WILL BE TIGHTLY SEALED AND STORED WHEN NOT REQUIRED FOR USE. EXCESS PAINT WILL NOT BE DISCHARGES TO THE STORM SEWERS, BUT WILL BE PROPERLY DISPOSED OF ACCORDING TO MANUFACTURER'S RECOMMENDATIONS. SPRAY GUNS WILL BE CLEANED ON A REMOVAL TARP. CHEMICALS USED ON SITE ARE KEPT IN SMALL QUANTITIES AND IN CLOSED CONTAINERS UNDERCOVER AND KEPT OUT OF DIRECT CONTACT WITH STORMWATER. AS WITH FUELS AND OILS, ANY INADVERTENT SILLS WILL BE CLEANED UP IMMEDIATELY AND DISPOSED OF ACCORDING FEDERAL AND DISTRICT OF COLUMBIA REGULATIONS.

CONCRETE

CONCRETE TRUCKS WILL NOT BE ALLOWED TO WASH OUT OR DISCHARGE SURPLUS CONCRETE DISPOSAL AREA. FORM RELEASE OIL FOR DECORATIVE STONE WORK WILL BE APPLIED OVER PALLET COVERED WITH AN ABSORBENT MATERIAL TO COLLECT EXCESS FLUID. THE ABSORBENT MATERIAL WILL BE REPLACED AND DISPOSED OF PROPERLY WHEN SATURATED.

WATER TESTING

WHEN TESTING AND, OR CLEANING WATER SUPPLY LINES, THE DISCHARGE FROM THE TESTED PIPE WILL BE COLLECTED AND CONVEYED TO A COMPLETED STORMWATER CONVEYANCE SYSTEM FOR ULTIMATE DISCHARGE INTO A STORMWATER BEST MANAGEMENT PRACTICE (BMP).

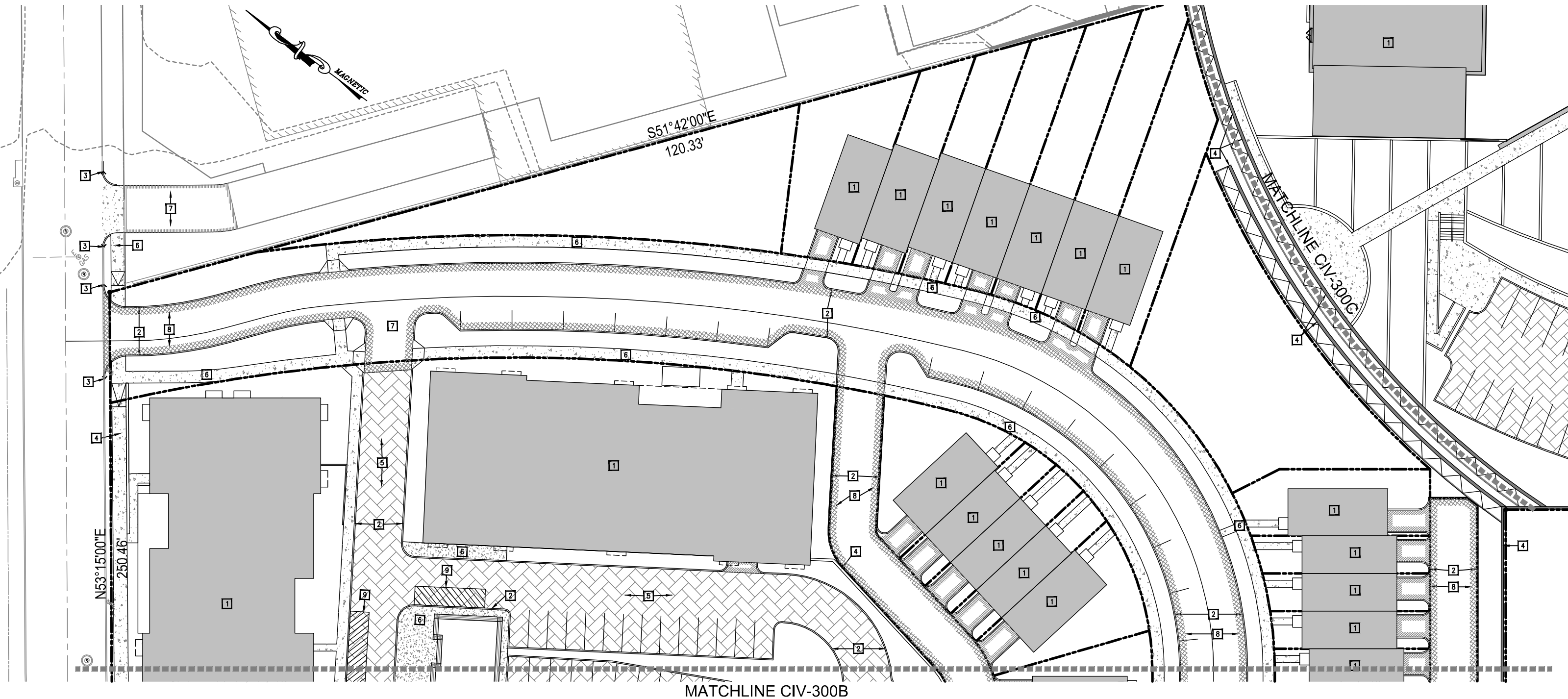
SANITARY WASTE

PORTABLE LAVATORIES LOCATED ON SITE WILL BE SERVICES ON A REGULAR BASIS BY A CONTRACTOR. PORTABLE LAVATORIES WILL BE LOCATED IN AN UPLAND AREA AWAY FROM DIRECT CONTACT WITH SURFACE WATERS. ANY SPILLS OCCURRING DURING SERVICING WILL BE CLEANED IMMEDIATELY AND CONTAMINATED SOILS DISPOSED OF IN ACCORDANCE WITH ALL FEDERAL AND DISTRICT OF COLUMBIA REGULATIONS.

DETAIL 1 - STABILIZED CONSTRUCTION ENTRANCE CONSTRUCTION SPECIFICATION 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" 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 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	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 (MIN.) CUT, OR 1 3/4" DIAMETER (MIN.) ROUND AND SHALL BE OF SOUND QUALITY HARDWOOD. STEEL POSTS WILL BE STANDARD T OR U SECTION WEIGHING NOT LESS THAN 1.00 POUND 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. <table><tr><td>TENSILE STRENGTH</td><td>50 LBS/N (MIN.)</td><td>TEST: ASTM D-4595</td></tr><tr><td>TENSILE MODULUS</td><td>20 LBS/N (MIN.)</td><td>TEST: ASTM D-4595</td></tr><tr><td>FLOW RATE</td><td>0.3 GAL/FT²/MINUTE (MAX.)</td><td>TEST: ASTM D-5141</td></tr><tr><td>FILTERING EFFICIENCY</td><td>75% (MIN.)</td><td>TEST: ASTM D-5141</td></tr></table> 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 HEIGHT. U.S. DEPARTMENT OF AGRICULTURE NATURAL RESOURCE CONSERVATION SERVICE PAGE B-5-3 WATERSHED PROTECTION DIVISION DISTRICT OF COLUMBIA DEPARTMENT OF HEALTH	TENSILE STRENGTH	50 LBS/N (MIN.)	TEST: ASTM D-4595	TENSILE MODULUS	20 LBS/N (MIN.)	TEST: ASTM D-4595	FLOW RATE	0.3 GAL/FT ² /MINUTE (MAX.)	TEST: ASTM D-5141	FILTERING EFFICIENCY	75% (MIN.)	TEST: ASTM D-5141	DETAIL 6A - STANDARD INLET PROTECTION CONSTRUCTION SPECIFICATIONS 1. EXCAVATE COMPLETELY AROUND THE INLET TO A DEPTH OF 18" BELOW THE NOTCH ELEVATION. 2. DRIVE THE 2' x 4' CONSTRUCTION GRADE LUMBER POSTS 1' INTO THE GROUND AT EACH CORNER OF THE INLET. PLACE NAIL STRIPS BETWEEN THE POSTS ON THE ENDS OF THE INLET. ASSEMBLE THE TOP PORTION OF THE 2' x 4' FRAME USING THE OVERLAP JOINT SHOWN ON DETAIL 6A. THE TOP OF THE FRAME (WEIR) MUST BE 6" BELOW ADJACENT ROADWAYS WHERE FLOODING AND SAFETY ISSUES MAY ARISE. 3. STRETCH THE 1/2" x 1/2" WIRE MESH TIGHTLY AROUND THE FRAME AND FASTEN SECURELY. THE ENDS MUST MEET AND OVERLAP AT A POST. 4. STRETCH THE GEOTEXTILE CLASS E TIGHTLY OVER THE WIRE MESH WITH THE GEOTEXTILE EXTENDING FROM THE TOP OF THE FRAME TO 18" BELOW THE INLET NOTCH ELEVATION. FASTEN THE GEOTEXTILE FIRMLY TO THE FRAME. THE ENDS OF THE GEOTEXTILE MUST MEET AT A POST, BE OVERLAPPED AND FOLDED THAN FASTENED DOWN. 5. BACKFILL AROUND THE INLET IN COMPACTING 6" LAYERS UNTIL THE LAYER OF EARTH IS LEVEL WITH THE NOTCH ELEVATION ON THE ENDS AND TOP ELEVATION ON THE SIDES. 6. IF THE INLET IS NOT IN A SUMP, CONSTRUCT A COMPACTED EARTH DIKE ACROSS THE DITCH LINE DIRECTLY BELOW IT. THE TOP OF THE EARTH DIKE SHOULD BE AT LEAST 6" HIGHER THAN THE TOP OF THE FRAME. 7. THE STRUCTURE MUST BE INSPECTED PERIODICALLY AND AFTER EACH RAIN AND THE GEOTEXTILE REPLACED WHEN IT BECOMES CLOGGED. U.S. DEPARTMENT OF AGRICULTURE NATURAL RESOURCE CONSERVATION SERVICE PAGE B-7-5 WATERSHED PROTECTION DIVISION DISTRICT OF COLUMBIA DEPARTMENT OF HEALTH	DETAIL 6B - AT GRADE INLET PROTECTION 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	DETAIL 6C - CURB INLET PROTECTION (COG OR COS INLETS) CONSTRUCTION SPECIFICATIONS 1. ATTACH A CONTINUOUS PIECE OF WIRE MESH (30" MINIMUM WIDTH BY THROAT LENGTH PLUS 4") TO THE 2' x 4' WEIR (MEASURING THROAT LENGTH PLUS 2") AS SHOWN ON THE STANDARD DRAWING. 2. PLACE A CONTINUOUS PIECE OF GEOTEXTILE CLASS E THE SAME DIMENSIONS AS THE WIRE MESH OVER THE WIRE MESH AND SECURELY ATTACH IT TO THE 2' x 4' WEIR. 3. SECURELY NAIL THE 2' x 4' WEIR TO A 9" LONG VERTICAL SPACER TO BE LOCATE BETWEEN THE WEIR AND THE INLET FACE (MAX. 4' APART). 4. PLACE THE ASSEMBLY AGAINST THE INLET THROAT AND NAIL (MINIMUM 2' LENGTHS OF 2' x 4" TO THE TOP OF THE WEIR AT SPACER LOCATIONS). THESE 2' x 4" ANCHORS SHALL EXTEND ACROSS THE INLET TOP AND BE HELD IN PLACE BY SANDBAGS OR ALTERNATE WEIGHT. 5. THE ASSEMBLY SHALL BE PLACE SO THAT THE END SPACERS ARE A MINIMUM 1' BEYOND BOTH ENDS OF THE THROAT OPENING. 6. FORM THE 1/2" x 1/2" WIRE MESH AND THE GEOTEXTILE FABRIC TO THE CONCRETE GUTTER AND AGAINST THE FACE OF THE CURB ON BOTH SIDES OF THE INLET. PLACE CLEAN 3/4" x 1 1/2" STONE OVER THE WIRE MESH AND GEOTEXTILE IN SUCH A MANNER TO PREVENT WATER FROM ENTERING THE INLET UNDER OR AROUND THE GEOTEXTILE. 7. THIS TYPE OF PROTECTION MUST BE INSPECTED FREQUENTLY AND THE FILTER CLOTH AND STONE REPLACED WHEN CLOGGED WITH SEDIMENT. 8. ASSURE THAT THE STORM FLOW DOES NOT BYPASS THE INLET BY INSTALLING A TEMPORARY EARTH OR ASPHALT DIKE TO DIRECT THE FLOW TO THE INLET. U.S. DEPARTMENT OF AGRICULTURE NATURAL RESOURCE CONSERVATION SERVICE PAGE B-7-7 WATERSHED PROTECTION DIVISION DISTRICT OF COLUMBIA DEPARTMENT OF HEALTH
TENSILE STRENGTH	50 LBS/N (MIN.)	TEST: ASTM D-4595														
TENSILE MODULUS	20 LBS/N (MIN.)	TEST: ASTM D-4595														
FLOW RATE	0.3 GAL/FT ² /MINUTE (MAX.)	TEST: ASTM D-5141														
FILTERING EFFICIENCY	75% (MIN.)	TEST: ASTM D-5141														
DETAIL 6D - MEDIAN INLET PROTECTION CONSTRUCTION SPECIFICATIONS 1. FENCE POSTS SHALL BE 36" (MIN.) LONG, DRIVEN 16" INTO THE GROUND AND SPACED 5' (MAX.) APART. WOOD POSTS SHALL BE 1 1/2" x 1 1/2" (MIN.) SQUARE CUT OR 1 3/4" (MIN.) DIAMETER ROUND AND SHALL BE OF SOUND QUALITY HARDWOOD. STEEL POSTS SHALL BE STANDARD T OR U SECTION WEIGHING NOT LESS THAN 1.0 #/LINEAR FOOT. 2. GEOTEXTILE CLASS F SHALL BE FASTENED SECURELY TO EACH POST WITH WIRE TIES OR STAPLES AT TOP AND MID-SECTION. 3. WHERE ENDS OF GEOTEXTILE FABRIC COME TOGETHER THEY SHALL BE OVERLAPPED, FOLDED AND STAPLED. 4. MEDIAN INLET PROTECTION SHALL BE INSPECTED AFTER EACH RAIN AND MAINTAINED WHEN BULGES OCCUR IN THE FABRIC OR WHEN THE STONE GETS CLOGGED. 5. STONE USED TO CONSTRUCT THE WEIR SHALL BE 4"-7" WITH A 1' THICK LAYER OF 3/4"-1 1/2" STONE ON THE UPSTREAM FACE. U.S. DEPARTMENT OF AGRICULTURE NATURAL RESOURCE CONSERVATION SERVICE PAGE B-7-8 WATERSHED PROTECTION DIVISION DISTRICT OF COLUMBIA DEPARTMENT OF HEALTH	DETAIL 6E - AT GRADE INLET GUARD CONSTRUCTION SPECIFICATIONS 1. SEED AND COVER WITH STRAW MULCH. 2. SEED AND COVER WITH SOIL STABILIZATION MATTING OR LINE WITH SOD. 3. 4"-7" STONE OR RECYCLED CONCRETE EQUIVALENT PRESSED INTO THE SOIL 7" MINIMUM. CONSTRUCTION SPECIFICATIONS 1. ALL TEMPORARY EARTH DIKES SHALL HAVE UNINTERRUPTED POSITIVE GRADE TO AN OUTLET. SPOT ELEVATIONS MAY BE NECESSARY FOR GRADES LESS THAN 1%. 2. RUNOFF DIVERTED FROM A DISTURBED AREA SHALL BE CONVEYED TO A SEDIMENT TRAPPING DEVICE. 3. RUNOFF DIVERTED FROM AN UNDISTURBED AREA SHALL OUTLET DIRECTLY INTO AN UNDISTURBED, STABILIZED AREA AT A NON-EROSIVE VELOCITY. 4. ALL TREES, BRUSH, STAMPS, OBSTRUCTIONS, AND OTHER OBJECTIONABLE MATERIAL SHALL BE REMOVED AND DISPOSED OF SO AS NOT TO INTERFERE WITH THE PROPER FUNCTIONING OF THE DIKE. 5. THE DIKE SHALL BE EXCAVATED OR SHAPED TO LINE, GRADE AND CROSS SECTION AS REQUIRED TO MEET THE CRITERIA SPECIFIED HEREIN AND BE FREE OF BANK PROJECTIONS OR OTHER IRREGULARITIES WHICH WILL IMPEDE NORMAL FLOW. 6. FILL SHALL BE COMPACTED BY EARTH MOVING EQUIPMENT. 7. ALL EARTH REMOVED AND NOT NEEDED FOR CONSTRUCTION SHALL BE PLACED SO THAT IT WILL NOT INTERFERE WITH THE FUNCTIONING OF THE DIKE. 8. INSPECTION AND MAINTENANCE MUST BE PROVIDED PERIODICALLY AND AFTER EACH RAIN EVENT. U.S. DEPARTMENT OF AGRICULTURE NATURAL RESOURCE CONSERVATION SERVICE PAGE B-7-9 WATERSHED PROTECTION DIVISION DISTRICT OF COLUMBIA DEPARTMENT OF HEALTH	DETAIL 9 - EARTH DIKE CONSTRUCTION SPECIFICATIONS 1. SEED AND COVER WITH STRAW MULCH. 2. SEED AND COVER WITH SOIL STABILIZATION MATTING OR LINE WITH SOD. 3. 4"-7" STONE OR RECYCLED CONCRETE EQUIVALENT PRESSED INTO THE SOIL 7" MINIMUM. CONSTRUCTION SPECIFICATIONS 1. ALL TEMPORARY EARTH DIKES SHALL HAVE UNINTERRUPTED POSITIVE GRADE TO AN OUTLET. SPOT ELEVATIONS MAY BE NECESSARY FOR GRADES LESS THAN 1%. 2. RUNOFF DIVERTED FROM A DISTURBED AREA SHALL BE CONVEYED TO A SEDIMENT TRAPPING DEVICE. 3. RUNOFF DIVERTED FROM AN UNDISTURBED AREA SHALL OUTLET DIRECTLY INTO AN UNDISTURBED, STABILIZED AREA AT A NON-EROSIVE VELOCITY. 4. ALL TREES, BRUSH, STAMPS, OBSTRUCTIONS, AND OTHER OBJECTIONABLE MATERIAL SHALL BE REMOVED AND DISPOSED OF SO AS NOT TO INTERFERE WITH THE PROPER FUNCTIONING OF THE DIKE. 5. THE DIKE SHALL BE EXCAVATED OR SHAPED TO LINE, GRADE AND CROSS SECTION AS REQUIRED TO MEET THE CRITERIA SPECIFIED HEREIN AND BE FREE OF BANK PROJECTIONS OR OTHER IRREGULARITIES WHICH WILL IMPEDE NORMAL FLOW. 6. FILL SHALL BE COMPACTED BY EARTH MOVING EQUIPMENT. 7. ALL EARTH REMOVED AND NOT NEEDED FOR CONSTRUCTION SHALL BE PLACED SO THAT IT WILL NOT INTERFERE WITH THE FUNCTIONING OF THE DIKE. 8. INSPECTION AND MAINTENANCE MUST BE PROVIDED PERIODICALLY AND AFTER EACH RAIN EVENT. U.S. DEPARTMENT OF AGRICULTURE NATURAL RESOURCE CONSERVATION SERVICE PAGE C-10-6 WATERSHED PROTECTION DIVISION DISTRICT OF COLUMBIA DEPARTMENT OF HEALTH	DETAIL 11 - PERIMETER DIKE / SWALE CONSTRUCTION SPECIFICATIONS 1. ALL PERIMETER DIKE/SWALES SHALL HAVE AN UNINTERRUPTED POSITIVE GRADE TO AN OUTLET. SPOT ELEVATIONS MAY BE NECESSARY FOR GRADES LESS THAN 1%. 2. RUNOFF DIVERTED FROM A DISTURBED AREA SHALL BE CONVEYED TO A SEDIMENT TRAPPING DEVICE. 3. RUNOFF DIVERTED FROM AN UNDISTURBED AREA SHALL OUTLET INTO AN UNDISTURBED STABILIZED AREA AT A NON-EROSIVE VELOCITY. 4. THE SWALE SHALL BE EXCAVATED OR SHAPED TO LINE, GRADE, AND CROSS-SECTION AS REQUIRED TO MEET THE CRITERIA SPECIFIED IN THE STANDARD. 5. FILL SHALL BE COMPACTED BY EARTH MOVING EQUIPMENT. 6. STABILIZATION WITH SEED AND MULCH OR AS SPECIFIED OF THE AREA DISTURBED BY THE DIKE AND SWALE SHALL BE COMPLETED WITHIN 7 DAYS UPON REMOVAL. 7. INSPECTION AND REQUIRED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN EVENT. NOTE: THE MAXIMUM DRAINAGE FOR THIS PRACTICE IS 2 ACRES. U.S. DEPARTMENT OF AGRICULTURE NATURAL RESOURCE CONSERVATION SERVICE PAGE C-12-4 WATERSHED PROTECTION DIVISION DISTRICT OF COLUMBIA DEPARTMENT OF HEALTH	DETAIL 12 - PIPE OUTLET SEDIMENT TRAP - ST I CONSTRUCTION SPECIFICATIONS 1. THE AREA UNDER THE EMBANKMENT SHALL BE CLEARED, GRUBBED AND STRIPPED OF ANY VEGETATION AND ROOT MAT. THE POOL AREA SHALL BE CLEARED. 2. THE FILL MATERIAL FOR THE EMBANKMENT SHALL BE FREE OF ROOTS OR OTHER WOODY VEGETATION AS WELL AS OVERSIZED STONES, ROCKS, ORGANIC MATERIAL, OR OTHER OBJECTIONABLE MATERIAL. THE EMBANKMENT SHALL BE COMPACTED BY TRAVERSING WITH EQUIPMENT WHILE IT IS BEING CONSTRUCTED. 3. THE TOTAL VOLUME AS MEASURED FROM THE BOTTOM TO RISER CREST ELEVATION SHALL BE 3600 CUBIC FEET PER ACRE OF DRAINAGE AREA (SEE TABLE 11). THE TOP OF EMBANKMENT MUST BE ≥ 1' ABOVE THE RISER CREST ELEVATION. 4. SEDIMENT SHALL BE REMOVED AND THE TRAP RESTORED TO ITS ORIGINAL DIMENSIONS WHEN THE SEDIMENT HAS ACCUMULATED TO ONE HALF OF THE WET STORAGE DEPTH OF THE TRAP (900 CF/AC). THE SEDIMENT SHALL BE DEPOSITED IN A SUITABLE AREA AND IN SUCH A MANNER THAT IT WILL NOT ERODE. 5. THE STRUCTURE SHALL BE INSPECTED PERIODICALLY AND AFTER EACH RAIN AND REPAIRS. U.S. DEPARTMENT OF AGRICULTURE NATURAL RESOURCE CONSERVATION SERVICE PAGE D-14-7 WATERSHED PROTECTION DIVISION DISTRICT OF COLUMBIA DEPARTMENT OF HEALTH												

PIPE OUTLET SEDIMENT TRAP - ST I			DETAIL 13 - STONE OUTLET SEDIMENT TRAP - ST II			STONE OUTLET SEDIMENT TRAP - ST II			DETAIL 14 - RIP-RAP OUTLET SEDIMENT TRAP - ST III			RIP-RAP OUTLET SEDIMENT TRAP - ST III		
6. CONSTRUCTION OPERATIONS SHALL BE CARRIED CUT IN SUCH A MANNER THAT EROSION AND WATER POLLUTION ARE ABATED. ONCE CONSTRUCTED, THE TOP AND OUTSIDE FACE OF THE EMBANKMENT SHALL BE STABILIZED WITH SEED AND MULCH. POINTS OF CONCENTRATED INFLOW SHALL BE PROTECTED IN ACCORDANCE WITH GRADE STABILIZATION STRUCTURE CRITERIA. THE REMAINDER OF THE INTERIOR SLOPES SHOULD BE STABILIZED (ONE TIME) WITH SEED AND MULCH UPON TRAP COMPLETION AND MONITORED AND MAINTAINED EROSION FREE USING THE LIFE OF THE TRAP. 7. THE STRUCTURE SHALL BE REMOVED AND AREA STABILIZED WHEN THE DRAINAGE AREA HAS BEEN PROPERLY STABILIZED. 8. ALL CUT AND FILL SLOPES SHALL BE 2:1 OR FLATTER. 9. ALL PIPE CONNECTIONS SHALL BE WATERTIGHT. 10. ABOVE THE WET STORAGE ELEVATION, THE RISER SHALL BE PERFORATED WITH 1/2" WIDE BY 6" LONG SLITS OR 1" DIAMETER HOLES SPACED 6" VERTICALLY AND HORIZONTALLY. NO PERFORATIONS WILL BE ALLOWED WITHIN 6" OF THE HORIZONTAL BARREL. 11. THE RISER SHALL BE WRAPPED WITH 1/2" HARDWARE CLOTH (WIRE) THEN WRAPPED WITH GEOTEXTILE CLASS E. THE FILTER CLOTH SHALL EXTEND 6" ABOVE THE HIGHEST SLIT AND 6" BELOW THE LOWEST SLIT. WHERE ENDS OF FILTER CLOTH COME TOGETHER, THEY SHALL BE OVERLAPPED, FOLDED AND FASTENED TO PREVENT BYPASS. FILTER CLOTH SHALL BE REPLACED AS NECESSARY TO PREVENT CLOGGING. 12. STRAPS OR CONNECTING BANDS SHALL BE USED TO HOLD THE FILTER CLOTH AND WIRE FABRIC IN PLACE. THEY SHALL BE PLACED AT THE TOP AND BOTTOM OF THE CLOTH. 13. FILL MATERIAL AROUND THE PIPE SPILLWAY SHALL BE HAND COMPACTED IN 4" LAYERS. A MINIMUM OF 2' OF HAND-COMPACTED BACKFILL SHALL BE PLACED OVER THE PIPE SPILLWAY BEFORE CROSSING IT WITH CONSTRUCTION EQUIPMENT. 14. THE RISER SHALL BE ANCHORED WITH EITHER A CONCRETE BASE OR STEEL PLATE BASE TO PREVENT FLotation. CONCRETE BASES SHALL BE AT LEAST TWICE THE RISER DIAMETER, 1/4" MINIMUM THICKNESS AND ATTACHED TO THE BOTTOM OF THE RISER BY A CONTINUOUS WELD TO FORM A WATERTIGHT CONNECTION. THEN PLACE 2' OF STONE, GRAVEL OR TAMPED EARTH ON THE PLATE. 15. ANTI SEEP COLLARS SHALL BE CONSTRUCTED IN ACCORDANCE WITH PLANS (REF. TABLE 18 AND DETAILS 17 AND 18).						6. THE STRUCTURE SHALL BE INSPECTED PERIODICALLY AND AFTER EACH RAIN AND REPAIRS MADE AS NEEDED. 7. CONSTRUCTION OF TRAPS SHALL BE CARRIED OUT IN SUCH A MANNER THAT SEDIMENT POLLUTION IS ABATED. ONCE CONSTRUCTED, THE TOP AND OUTSIDE FACE OF THE EMBANKMENT SHALL BE STABILIZED WITH SEED AND MULCH. POINTS OF CONCENTRATION INFLOW SHALL BE PROTECTED IN ACCORDANCE WITH GRADE STABILIZATION STRUCTURE CRITERIA. THE REMAINDER OF THE INTERIOR SLOPES SHOULD BE STABILIZED (ONE TIME) WITH SEED AND MULCH UPON TRAP COMPLETION AND MONITORED AND MAINTAINED EROSION FREE DURING THE LIFE OF THE TOP. 8. THE STRUCTURE SHALL BE DEWATERED BY APPROVED METHODS. REMOVED AND THE AREA STABILIZED WHEN THE DRAINAGE AREA HAS BEEN PROPERLY STABILIZED. 9. REFER TO SECTION G FOR SPECIFICATIONS CONCERNING TRAP DEWATERING. 10. MINIMUM TRAP DEPTH SHALL BE MEASURED FROM THE WEIR ELEVATION. 11. THE ELEVATION OF THE TOP OF ANY DIKE DIRECTING WATER INTO THE TRAP MUST EQUAL OR EXCEED THE ELEVATION OF THE TRAP EMBANKMENT. 12. GEOTEXTILE CLASS SE SHALL BE PLACED OVER THE BOTTOM AND SIDES OF THE OUTLET CHANNEL PRIOR TO THE PLACEMENT OF STONE. SECTIONS OF FILTER CLOTH MUST OVERLAP AT LEAST 1' WITH THE SECTION NEAREST THE ENTRANCE PLACED ON TOP. THE FILTER CLOTH SHALL BE EMBEDDED AT LEAST 6" INTO EXISTING GROUND AT THE ENTRANCE OF THE OUTLET CHANNEL. 13. OUTLET – AN OUTLET SHALL BE PROVIDED, INCLUDING A MEANS OF CONVEYING THE DISCHARGE IN AN EROSION FREE MANNER TO AN EXISTING STABLE CHANNEL.						1. THE AREA UNDER EMBANKMENT SHALL BE CLEARED, GRUBBED AND STRIPPED OF ANY VEGETATION AND ROOT MAT. THE POOL AREA SHALL BE CLEARED. 2. THE FILL MATERIAL FOR THE EMBANKMENT SHALL BE FREE OF ROOTS OR OTHER WOODY VEGETATION AS WELL AS OVER-SIZED STONES, ROCKS, ORGANIC MATERIAL OR OTHER OBJECTIONABLE MATERIAL. THE EMBANKMENT SHALL BE COMPACTED BY TRAVERSING WITH EQUIPMENT WHILE IT IS BEING CONSTRUCTED. 3. ALL CUT AND FILL SLOPES SHALL BE 2:1 OR FLATTER. 4. THE STONE USED IN THE OUTLET SHALL BE SMALL RIP-RAP 4" TO 7" IN SIZE WITH A 1" THICK LAYER OF 3/4" TO 1 1/2" WASHED AGGREGATE PLACED ON THE UPSTREAM FACE OF THE OUTLET. STONE FACING SHALL BE AS NECESSARY TO PREVENT CLOGGING. GEOTEXTILE CLASS SE MAY BE SUBSTITUTED FOR THE STONE FACING BY PLACING IT ON THE INSIDE FACE OF THE STONE OUTLET. 5. SEDIMENT SHALL BE REMOVED AND TRAP RESTORED TO ITS ORIGINAL DIMENSIONS WHEN THE SEDIMENT HAS ACCUMULATED TO ONE HALF OF THE WET STORAGE DEPTH OF THE TRAP. REMOVED SEDIMENT SHALL BE DEPOSITED IN A SUITABLE AREA AND IN SUCH A MANNER THAT IT WILL NOT ERODE. 6. THE STRUCTURE SHALL BE INSPECTED PERIODICALLY AND AFTER EACH RAIN AND REPAIRED AS NEEDED. 7. CONSTRUCTION OF TRAPS SHALL BE CARRIED OUT IN SUCH A MANNER THAT SEDIMENT POLLUTION IS ABATED. ONCE CONSTRUCTED, THE TOP AND OUTSIDE FACE OF THE EMBANKMENT SHALL BE STABILIZED WITH SEED MULCH. POINTS OF CONCENTRATED INFLOW SHALL BE PROTECTED IN ACCORDANCE WITH GRADE STABILIZATION STRUCTURE CRITERIA. THE REMAINDER OF THE INTERIOR SLOPES SHOULD BE STABILIZED (ONE TIME) WITH SEED AND MULCH UPON TRAP COMPLETION AND MONITORED AND MAINTAINED EROSION FREE DURING THE LIFE OF THE TRAP. 8. THE STRUCTURE SHALL BE DEWATERED BY APPROVED METHODS, REMOVED AND THE AREA STABILIZED WHEN THE DRAINAGE AREA HAS BEEN PROPERLY STABILIZED.		
U.S. DEPARTMENT OF AGRICULTURE NATURAL RESOURCE CONSERVATION SERVICE	PAGE D-14-8	WATERSHED PROTECTION DIVISION DISTRICT OF COLUMBIA DEPARTMENT OF HEALTH	U.S. DEPARTMENT OF AGRICULTURE NATURAL RESOURCE CONSERVATION SERVICE	PAGE D-14-11	WATERSHED PROTECTION DIVISION DISTRICT OF COLUMBIA DEPARTMENT OF HEALTH	U.S. DEPARTMENT OF AGRICULTURE NATURAL RESOURCE CONSERVATION SERVICE	PAGE D-14-12	WATERSHED PROTECTION DIVISION DISTRICT OF COLUMBIA DEPARTMENT OF HEALTH	U.S. DEPARTMENT OF AGRICULTURE NATURAL RESOURCE CONSERVATION SERVICE	PAGE B-14-15	WATERSHED PROTECTION DIVISION DISTRICT OF COLUMBIA DEPARTMENT OF HEALTH	U.S. DEPARTMENT OF AGRICULTURE NATURAL RESOURCE CONSERVATION SERVICE	PAGE B-14-16	WATERSHED PROTECTION DIVISION DISTRICT OF COLUMBIA DEPARTMENT OF HEALTH

DETAIL 22 - SEDIMENT BASIN/TRAP BAFFLES			DETAIL 34 - PORTABLE SEDIMENT TANK (HORIZONTAL)			DETAIL 35 - PORTABLE SEDIMENT TANK (VERTICAL)			DETAIL 74 - TREE PROTECTION		
U.S. DEPARTMENT OF AGRICULTURE NATURAL RESOURCE CONSERVATION SERVICE	PAGE D-15-32	WATERSHED PROTECTION DIVISION DISTRICT OF COLUMBIA DEPARTMENT OF HEALTH	U.S. DEPARTMENT OF AGRICULTURE NATURAL RESOURCE CONSERVATION SERVICE	PAGE G-28-3	WATERSHED PROTECTION DIVISION DISTRICT OF COLUMBIA DEPARTMENT OF HEALTH	U.S. DEPARTMENT OF AGRICULTURE NATURAL RESOURCE CONSERVATION SERVICE	PAGE G-28-4	WATERSHED PROTECTION DIVISION DISTRICT OF COLUMBIA DEPARTMENT OF HEALTH	U.S. DEPARTMENT OF AGRICULTURE NATURAL RESOURCE CONSERVATION SERVICE	PAGE K-43-3	WATERSHED PROTECTION DIVISION DISTRICT OF COLUMBIA DEPARTMENT OF HEALTH



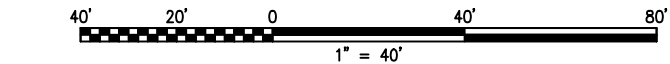
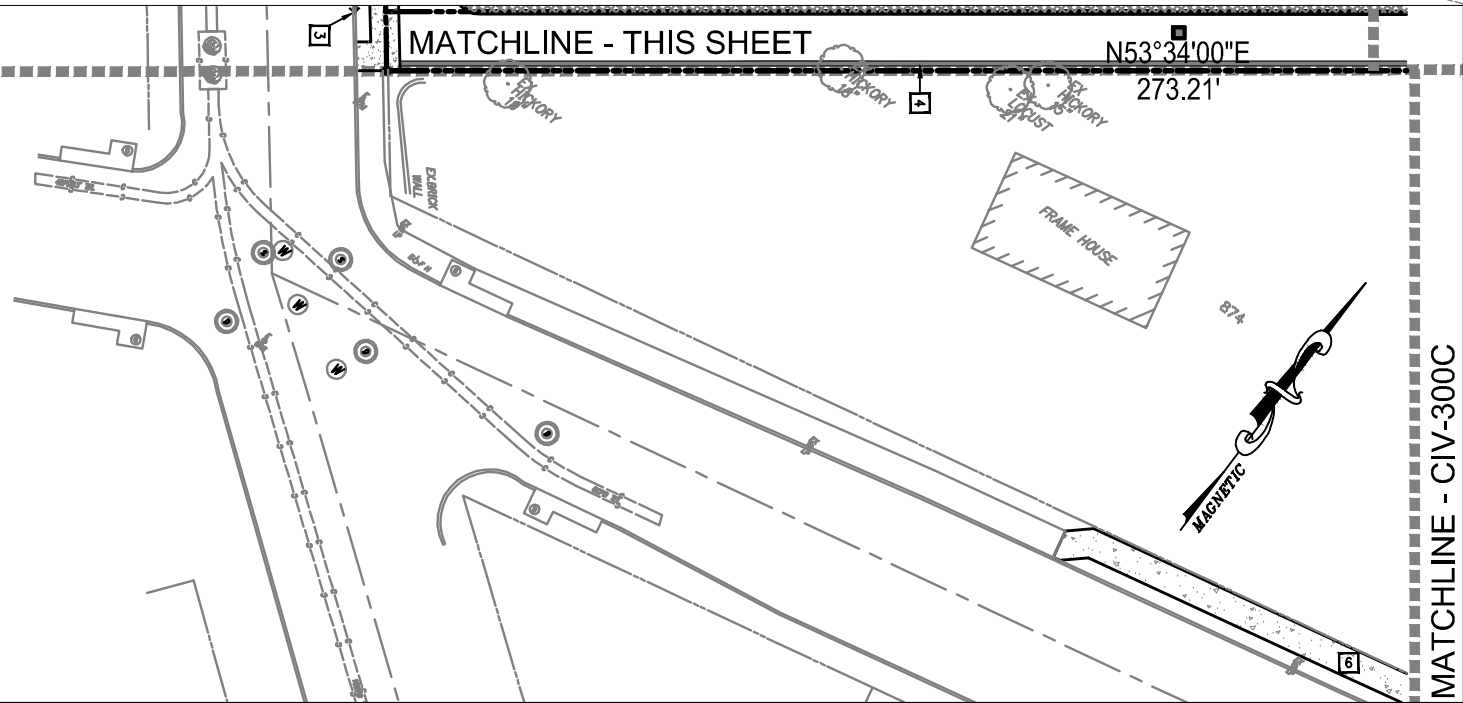
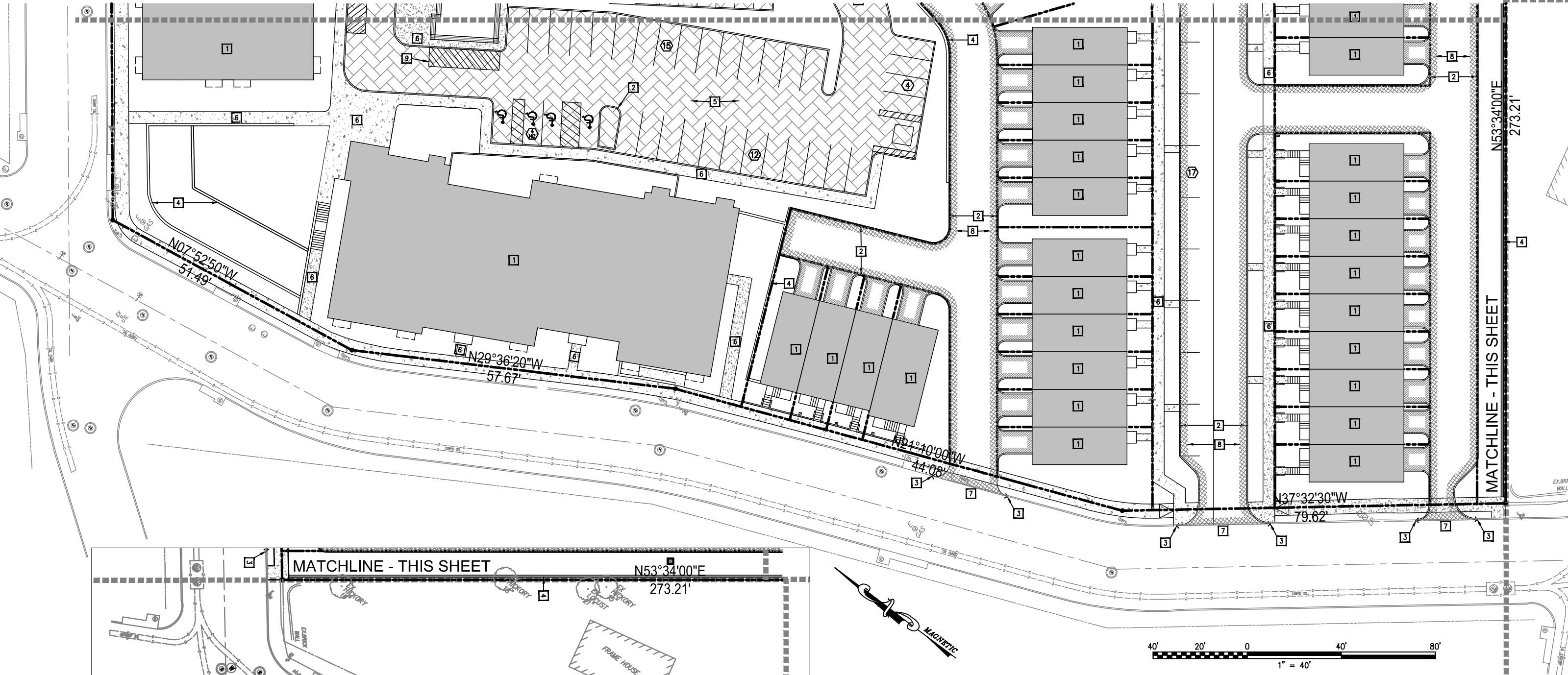
SITE PLAN LEGEND:

NEW ASPHALT PAVEMENT DRIVEWAY	
NEW ASPHALT PAVEMENT (FULL DEPTH)	
NEW CONCRETE SIDEWALK	
NEW POROUS PAVEMENT	

NOTE: DUE TO THE EXISTING OVERHEAD UTILITIES ALONG STANTON AND POMEROY ROADS, THE ABILITY FOR STREET TREES TO GROW IS SIGNIFICANTLY LIMITED. THEREFORE, NO STREET TREES ARE PROPOSED ALONG STANTON AND POMEROY ROADS.

SITE KEYNOTES:

- 1 NEW BUILDING. REFER TO ARCHITECTURAL DRAWING FOR DETAILS.
- 2 NEW CONCRETE CURB PER DDOT STANDARDS AND SPECIFICATIONS.
- 3 LIMIT OF NEW CONCRETE CURB.
- 4 NEW RETAINING WALL.
- 5 NEW ASPHALT POROUS PAVEMENT PARKING PER DDOT STANDARDS AND SPECIFICATIONS.
- 6 NEW CONCRETE SIDEWALK PER DDOT STANDARDS AND SPECIFICATIONS.
- 7 NEW DRIVEWAY ENTRANCE PER DDOT STANDARDS AND SPECIFICATIONS.
- 8 LIMIT OF NEW ASPHALT PAVEMENT.
- 9 NEW 30' X 8' LOADING ZONE



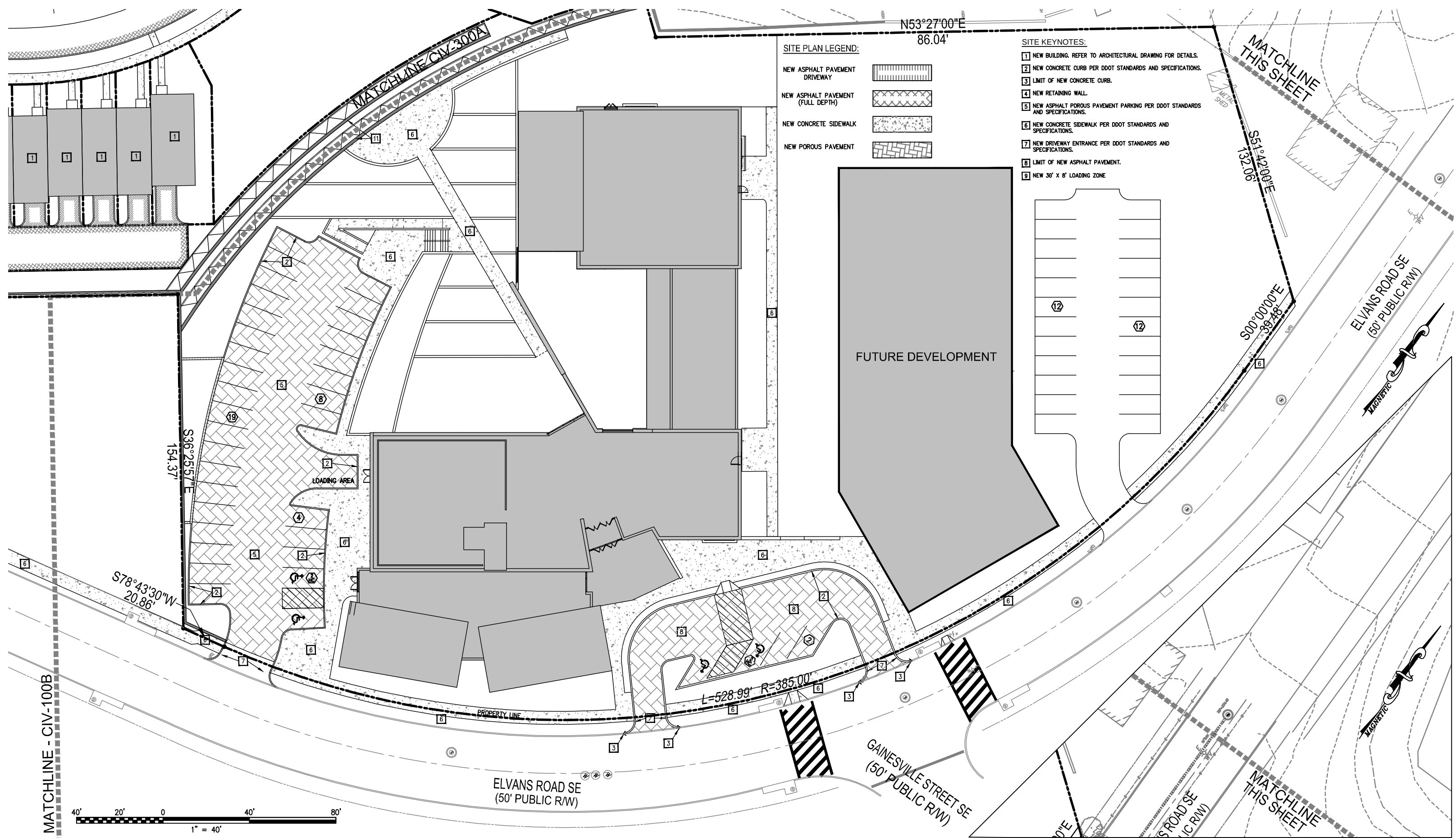
SITE PLAN LEGEND:

- NEW ASPHALT PAVEMENT DRIVEWAY
- NEW ASPHALT PAVEMENT (FULL DEPTH)
- NEW CONCRETE SIDEWALK
- NEW POROUS PAVEMENT

NOTE: DUE TO THE EXISTING OVERHEAD UTILITIES ALONG STANTON AND POMEROY ROADS, THE ABILITY FOR STREET TREES TO GROW IS SIGNIFICANTLY LIMITED. THEREFORE, NO STREET TREES ARE PROPOSED ALONG STANTON AND POMEROY ROADS.

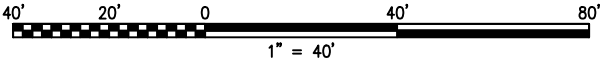
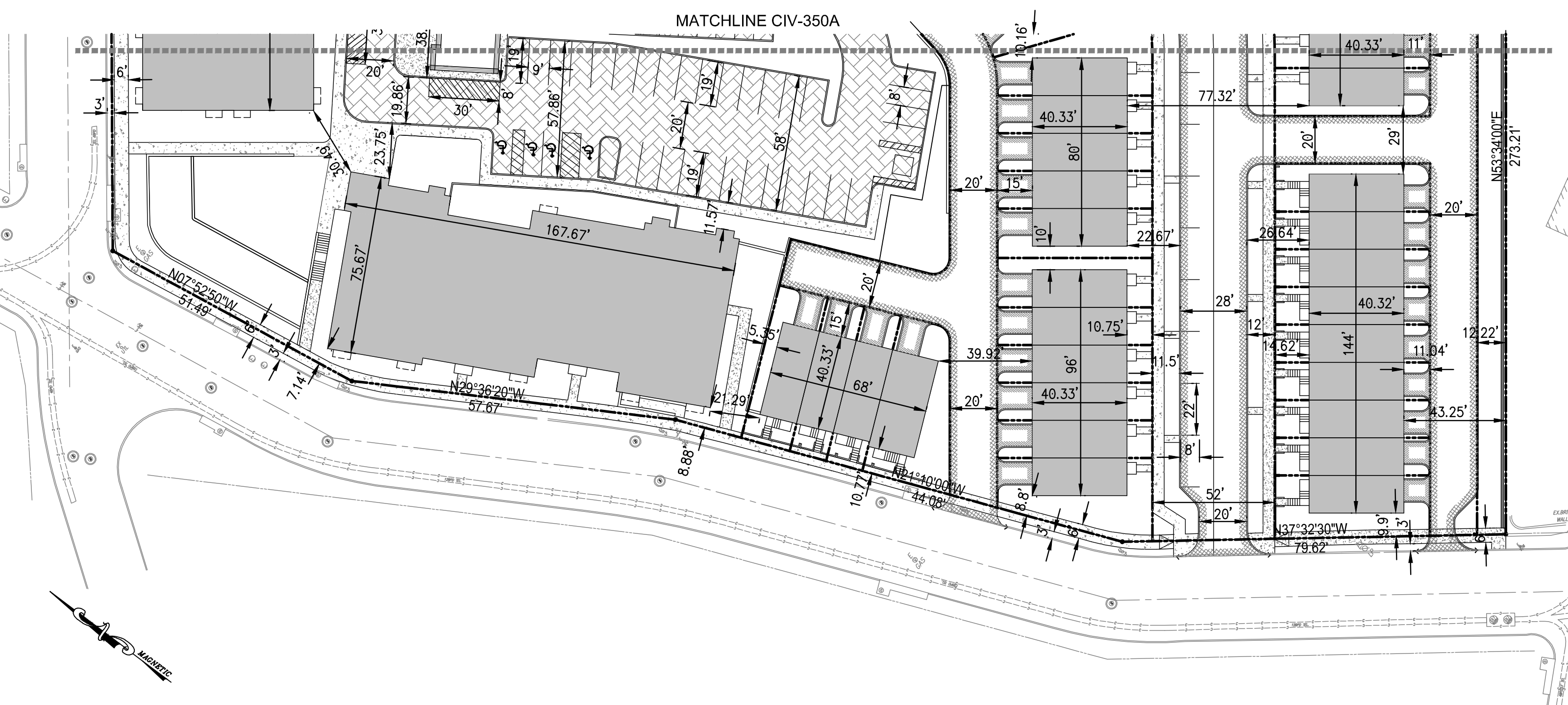
SITE KEYNOTES:

- 1 NEW BUILDING. REFER TO ARCHITECTURAL DRAWING FOR DETAILS.
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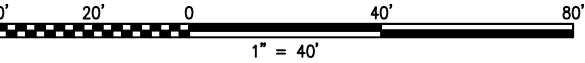


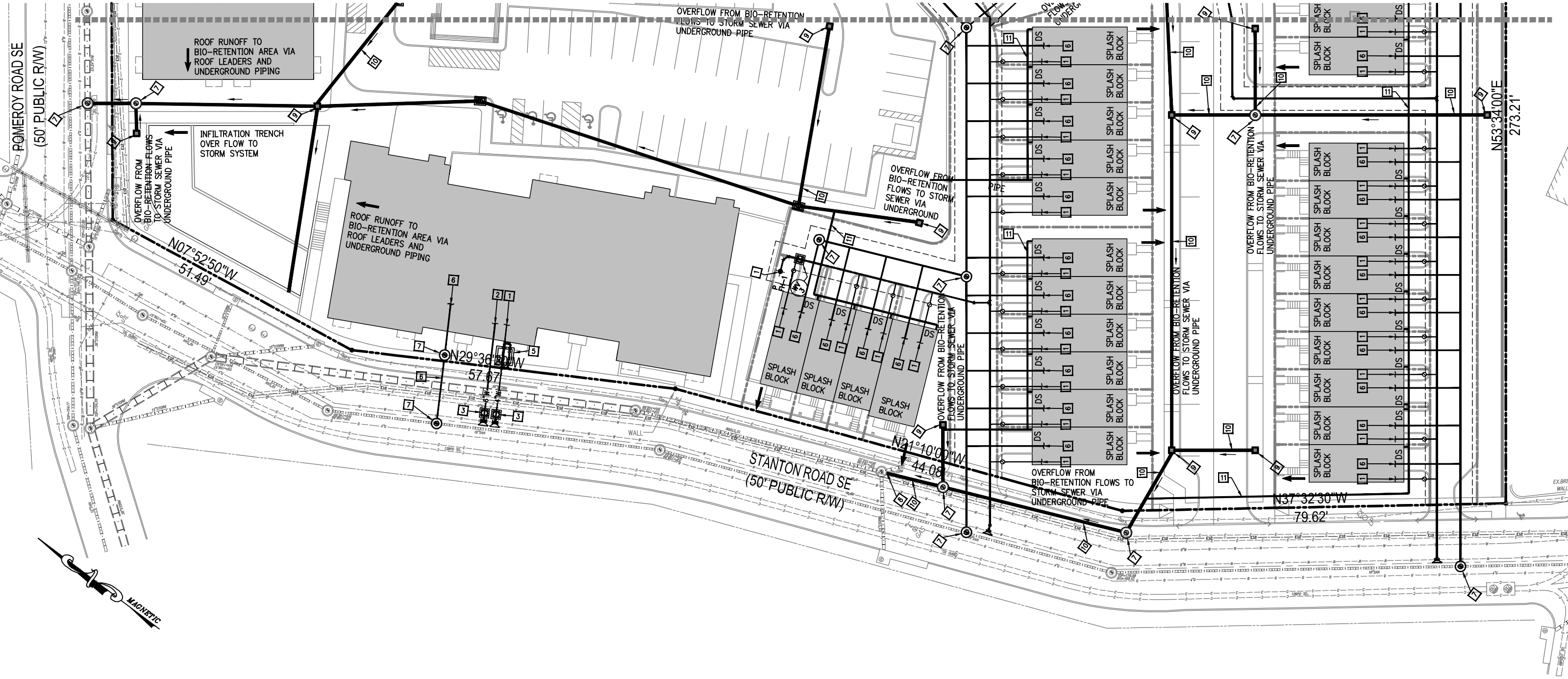
SITE PLAN

CIV-300C



DIMENSION PLAN





UTILITY KEYNOTES:

- 1 NEW DOMESTIC SERVICE PER DC WATER STANDARDS AND SPECIFICATIONS.

2 NEW FIRE SERVICE PER DC WATER STANDARDS AND SPECIFICATIONS.

3 NEW WATER VALVE WITH VALVE CASING PER DC WATER STANDARDS AND SPECIFICATIONS.

4 NOT USED

5 NEW WATER METER VAULT PER DC WATER STANDARDS AND SPECIFICATIONS.

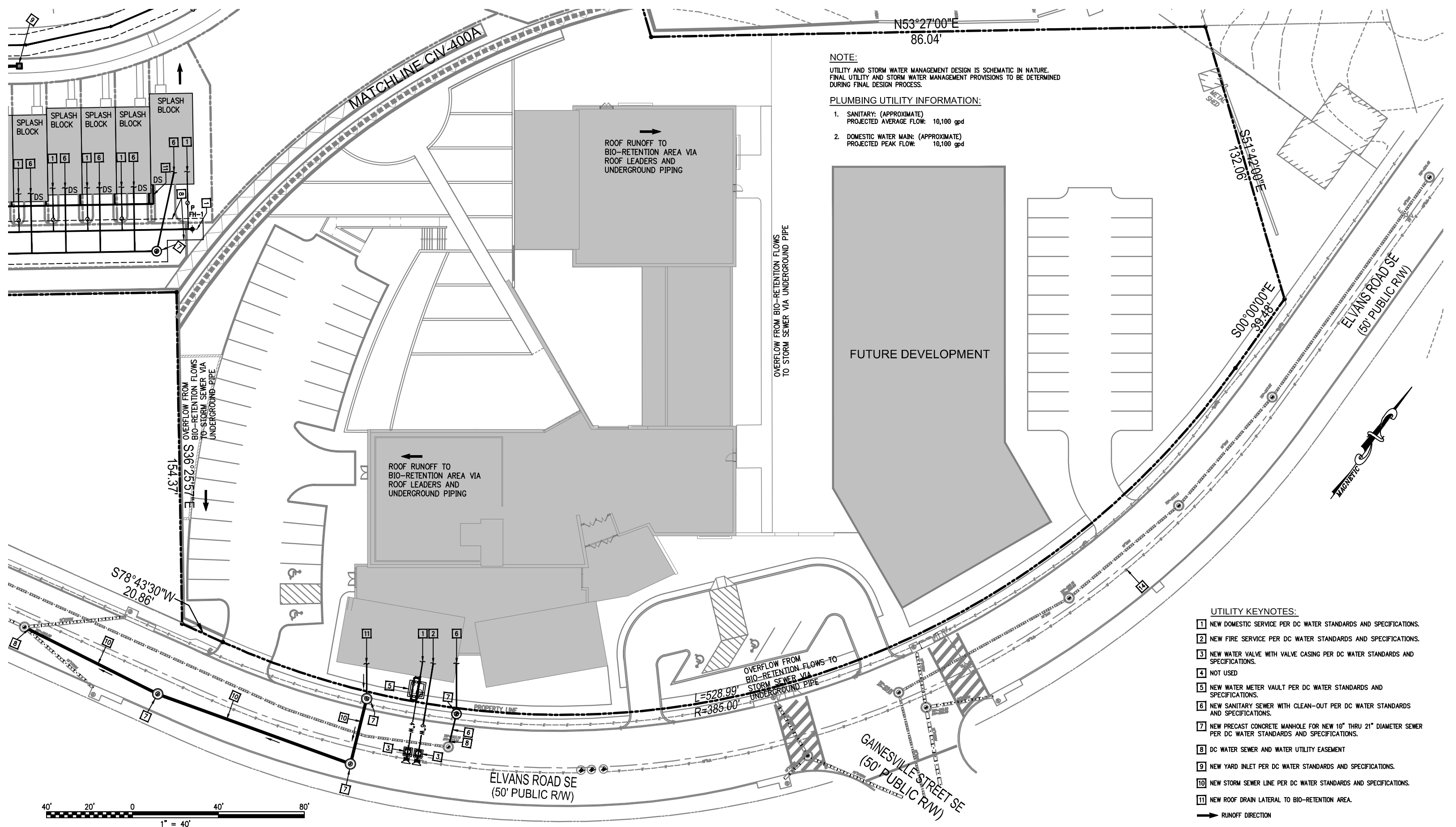
6 NEW SANITARY SEWER WITH CLEAN-OUT PER DC WATER STANDARDS AND SPECIFICATIONS.

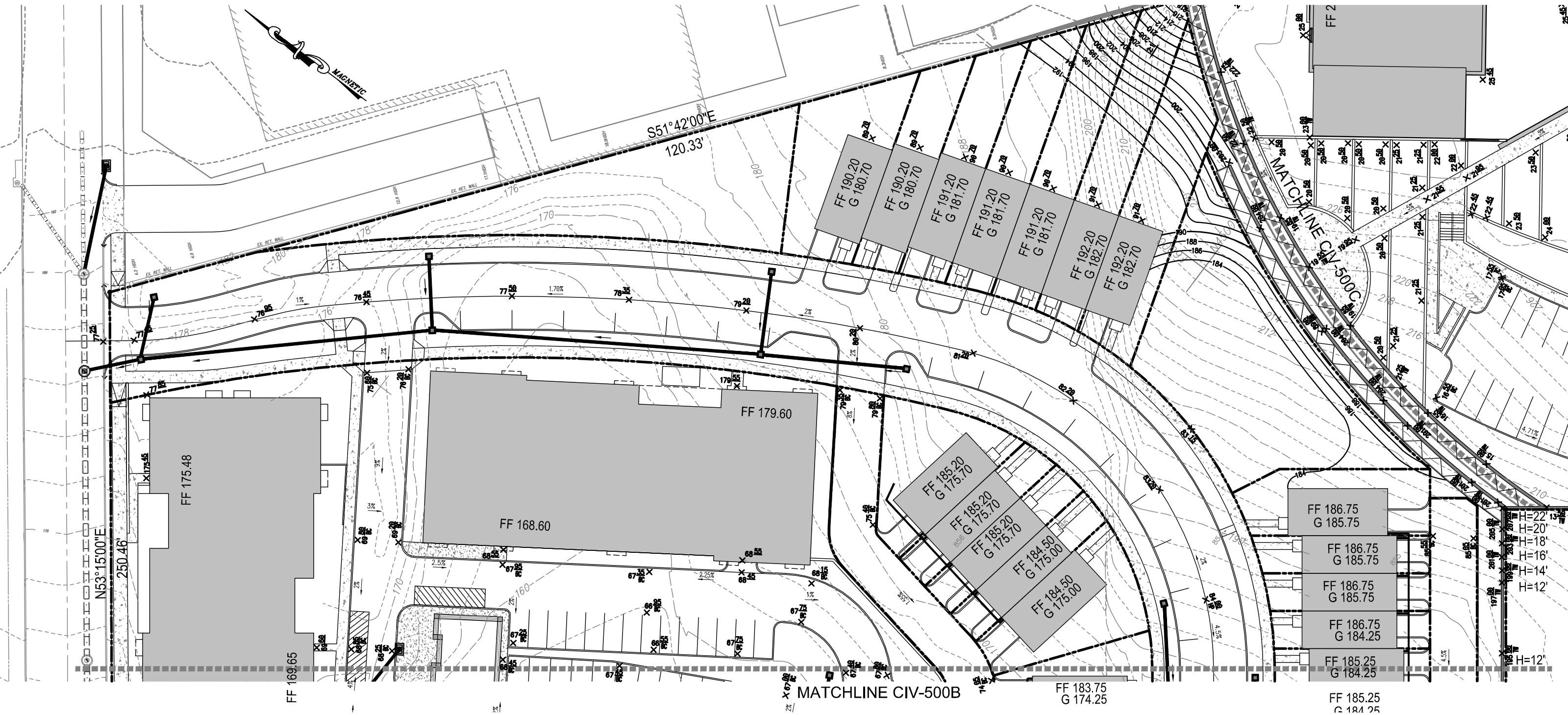
7 NEW PRECAST CONCRETE MANHOLE FOR NEW 10" THRU 21" DIAMETER SEWER PER DC WATER STANDARDS AND SPECIFICATIONS.
- 8 DC WATER SEWER AND WATER UTILITY EASEMENT

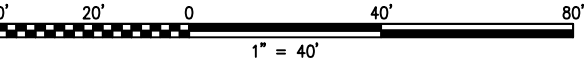
9 NEW YARD INLET PER DC WATER STANDARDS AND SPECIFICATIONS.

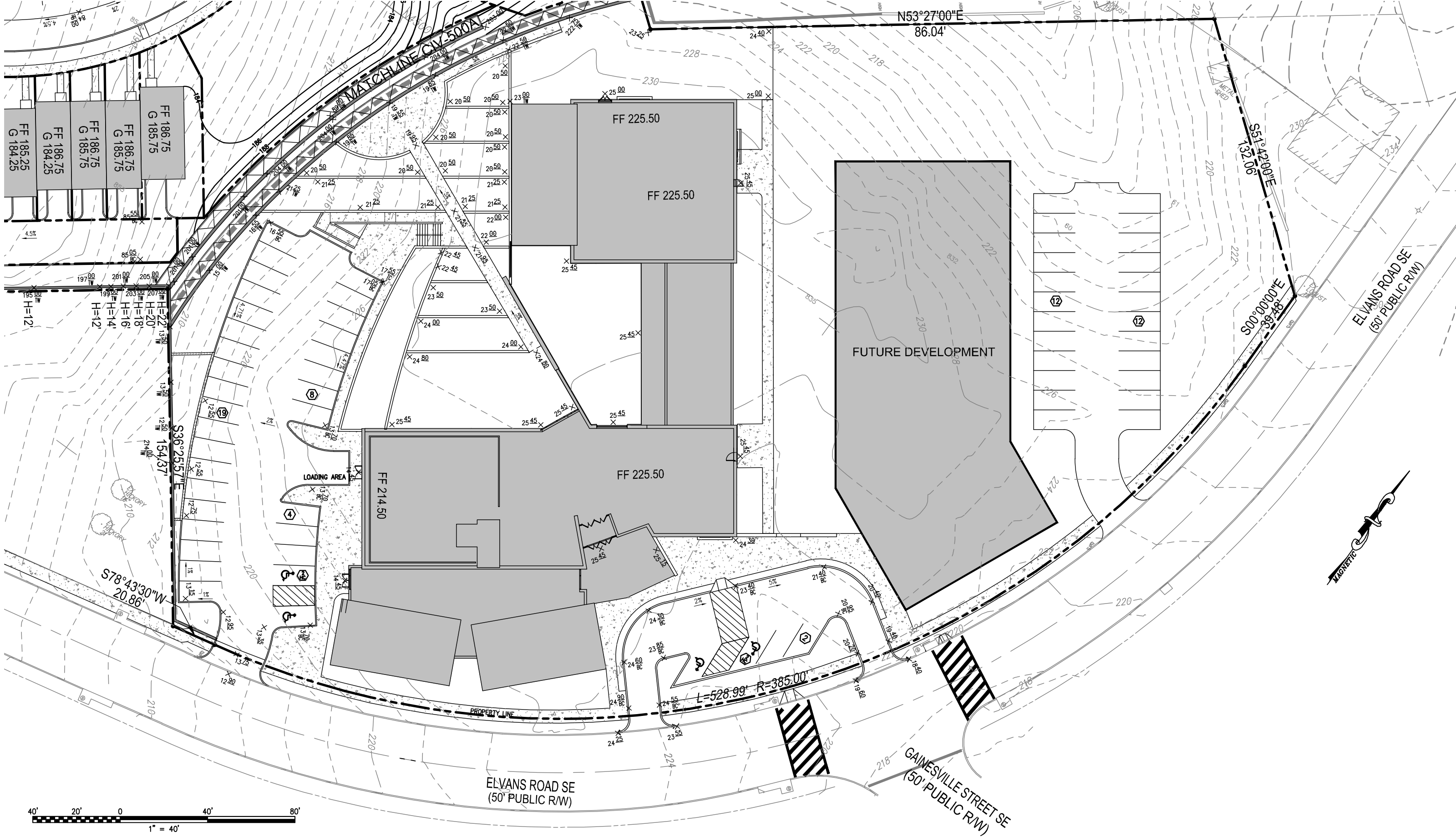
10 NEW STORM SEWER LINE PER DC WATER STANDARDS AND SPECIFICATIONS.

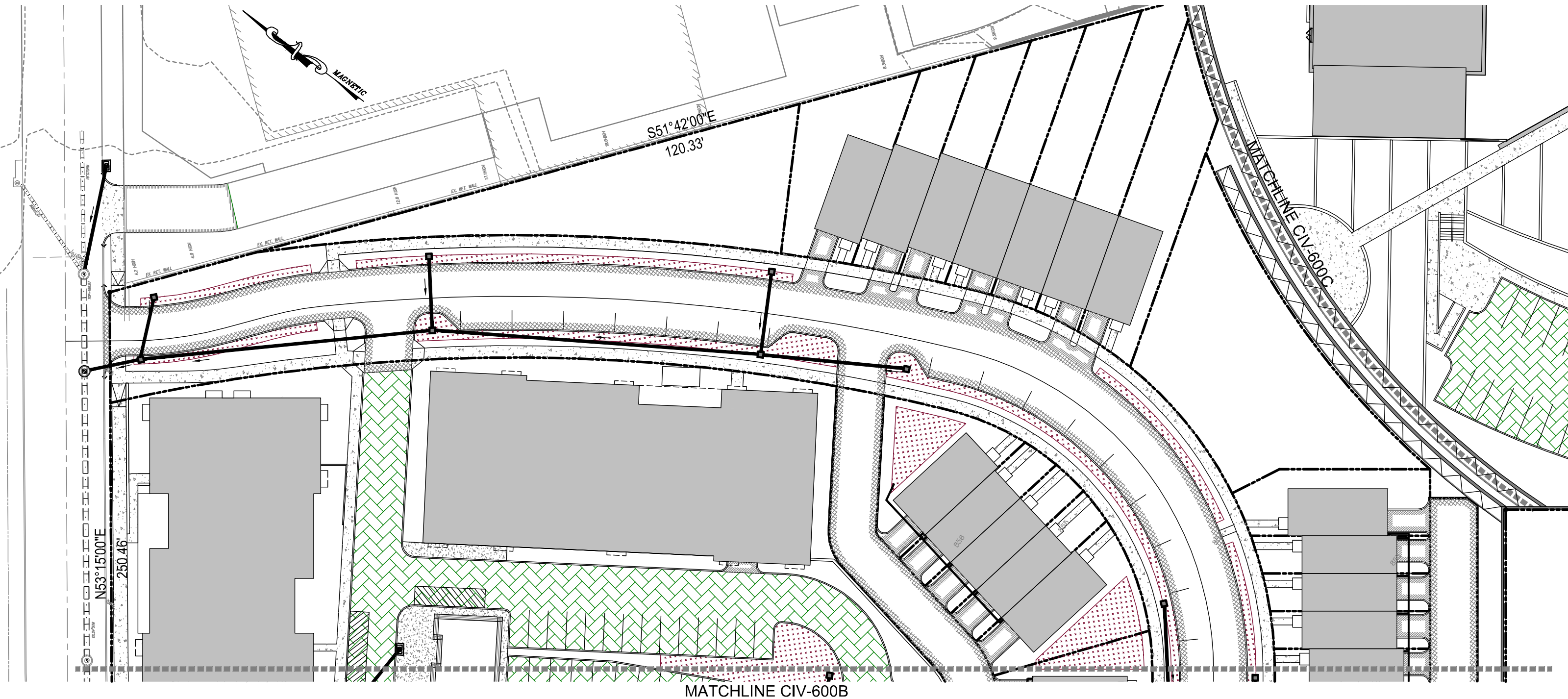
11 NEW ROOF DRAIN LATERAL TO BIO-RETENTION AREA.
- ➔ RUNOFF DIRECTION





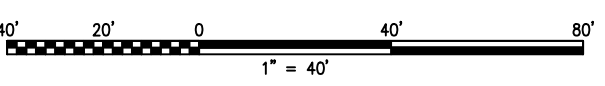


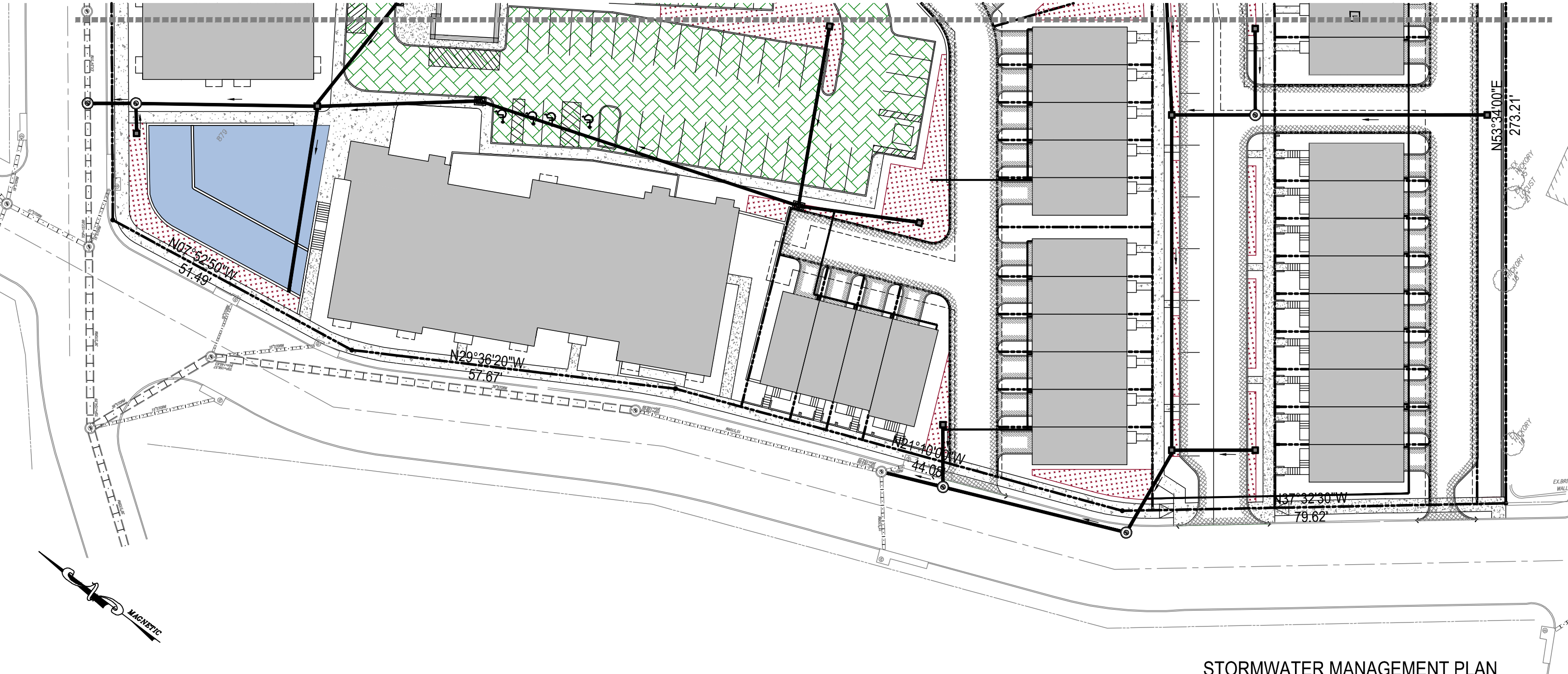




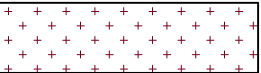
STORMWATER MANAGEMENT PLAN

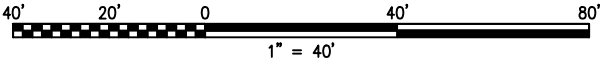
- NEW BIO-RETENTION 
- NEW POROUS PAVEMENT 

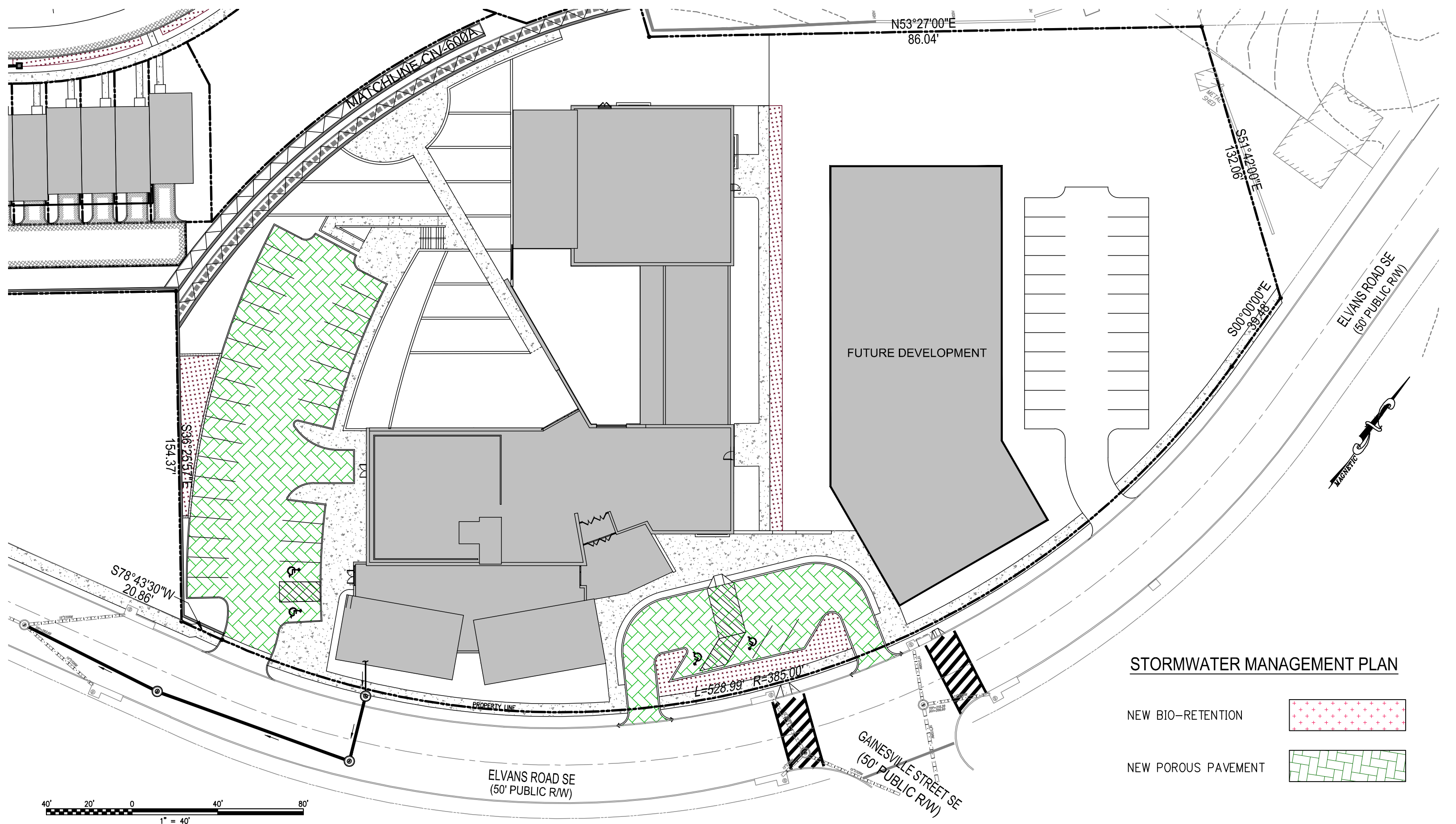




STORMWATER MANAGEMENT PLAN

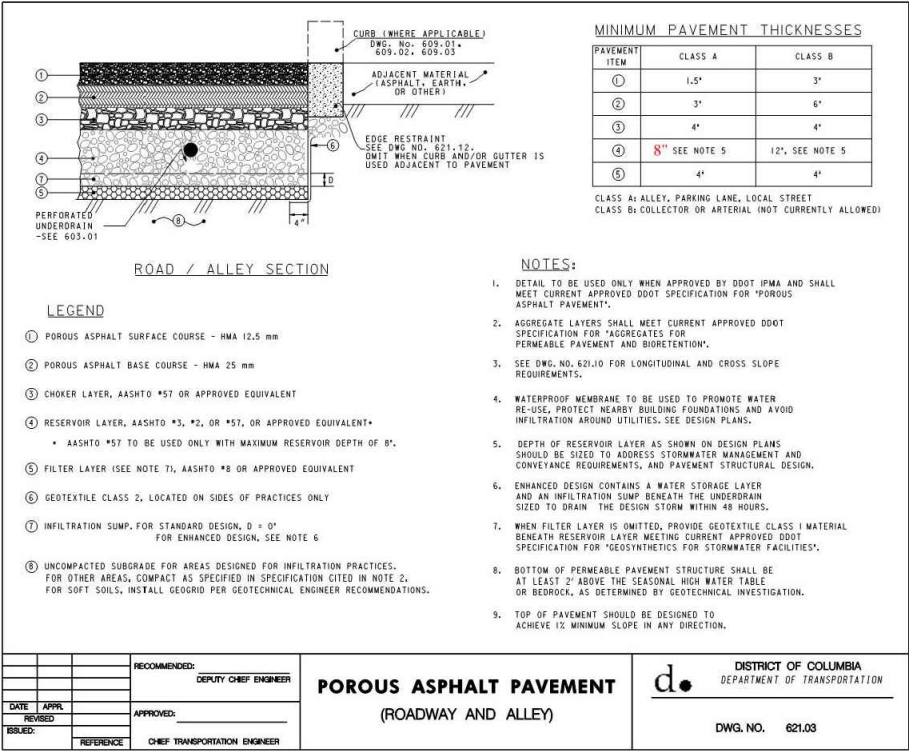
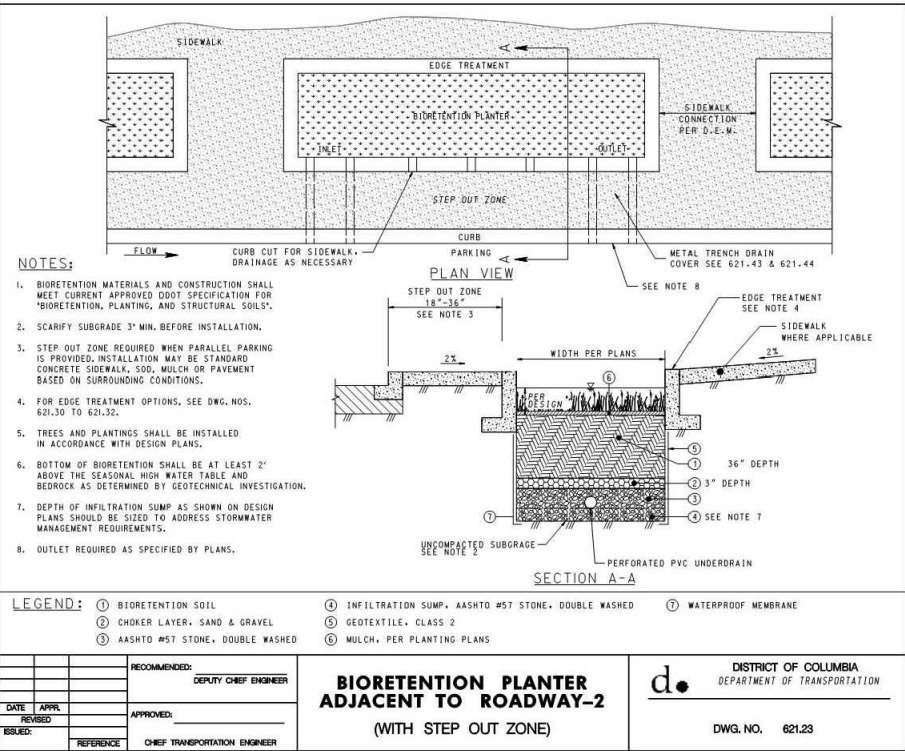
- NEW BIO-RETENTION 
- NEW POROUS PAVEMENT 
- INFILTRATION TRENCH 



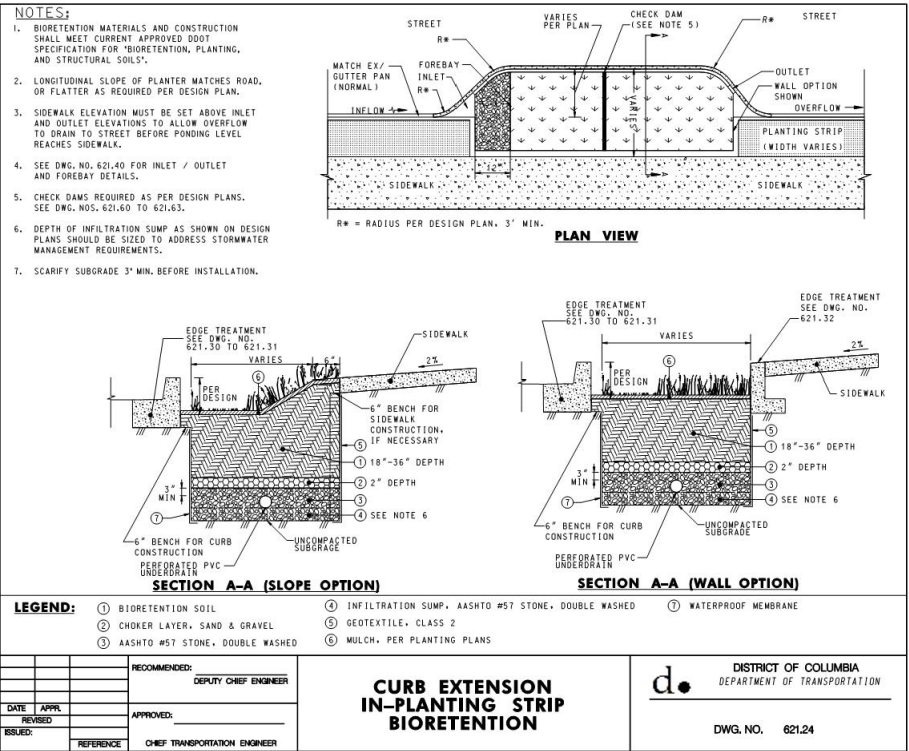
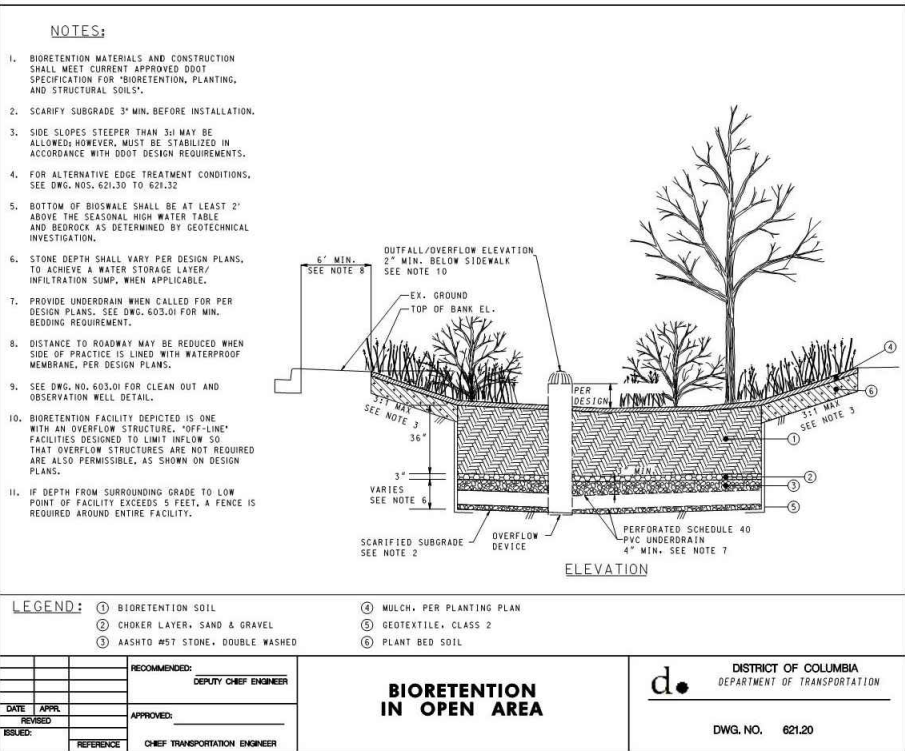


STORMWATER MANAGEMENT PLAN

- NEW BIO-RETENTION
- NEW POROUS PAVEMENT



District of Columbia General Retention Compliance Calculator (ed. 2)			
	data input cells		
	calculation cells		
	constant values		
Site Data			
Site Name: Stanton Square Area 2			
Site Information			
Is Site an "AWDZ Site"?		No	
Is Site Located in the MS4?		Yes	
What Type of Activity is Site Undergoing?		Major Land Disturbing	
Regulatory Rain Event for SWRv (inches)		1.2	
AWDZ only - Regulatory Rain Event for WQTV (inches)		NA	
Indicate Post-Development Land Cover			
		Site Development	Public Right of Way
Cover Type		Area (square feet)	Area (square feet)
Natural Cover		0	
Compacted Cover		18,890	
Impervious Cover		49,095	
BMP		13,300	
Site Total		81,285	0
Land Cover Summary			
		Site Development	Public Right of Way
% Natural Cover		0%	0%
% Compacted Cover		23%	0%
% Impervious Cover		77%	0%
Site Rv		0.79	0.00
SWRv and WQTV Summary			
		Site Development	Public Right of Way
Stormwater Retention Volume, SWRv (cubic feet)		6,400	0
Stormwater Retention Volume, SWRv (gallons)		47,870	0
Water Quality Treatment Volume, WQTV (cubic feet)		NA	NA
Water Quality Treatment Volume, WQTV (gallons)		NA	NA



District of Columbia General Retention Compliance Calculator (ed. 2)			
	data input cells		
	calculation cells		
	constant values		
Site Data			
Site Name:		Stanton Square Area 1	
		Site Information	
Is Site an "AWDZ Site"?		No	
Is Site Located in the MS4?		Yes	
What Type of Activity is Site Undergoing?		Major Land Disturbing	
Regulatory Rain Event for SWRv (inches)		1.2	
AWDZ only - Regulatory Rain Event for WQTV (inches)		NA	
		Indicate Post-Development Land Cover	
		Site Development	Public Right of Way
Cover Type		Area (square feet)	Area (square feet)
Natural Cover		0	
Compacted Cover		65,105	
Impervious Cover		121,730	
BMP		36,450	
Site Total		223,285	0
		Land Cover Summary	
		Site Development	Public Right of Way
% Natural Cover		0%	0%
% Compacted Cover		29%	0%
% Impervious Cover		71%	0%
Site Rv		0.75	0.00
		SWRv and WQTV Summary	
		Site Development	Public Right of Way
Stormwater Retention Volume, SWRv (cubic feet)		16,655	0
Stormwater Retention Volume, SWRv (gallons)		124,577	0
Water Quality Treatment Volume, WQTV (cubic feet)		NA	NA
Water Quality Treatment Volume, WQTV (gallons)		NA	NA