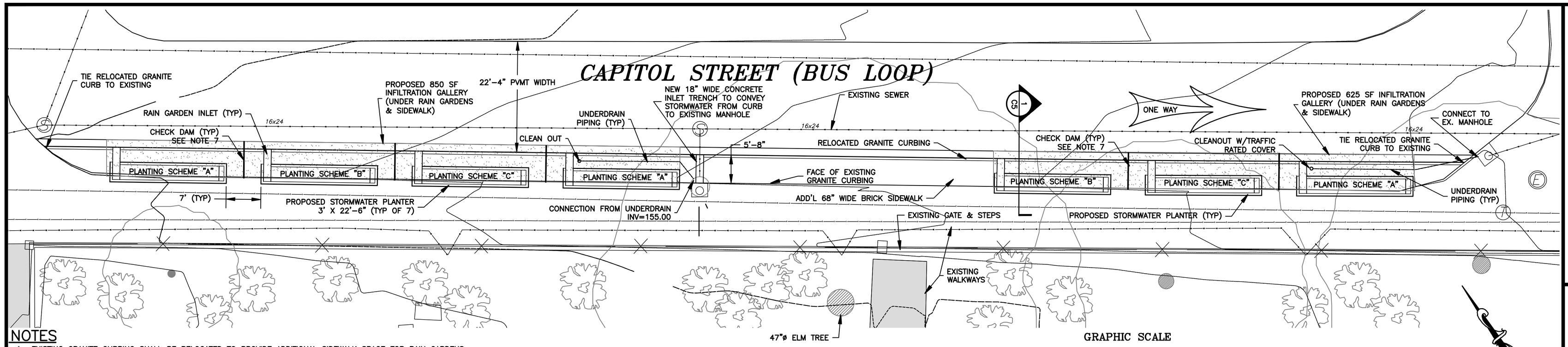


BUS LOOP – PLAN VIEW

SCALE: 1"=10'

NOTES

1. EXISTING GRANITE CURBING SHALL BE RELOCATED TO PROVIDE ADDITIONAL SIDEWALK SPACE FOR RAIN GARDENS.
2. CONSTRUCT INFILTRATION GALLERY IN A MANNER THAT DOES NOT COMPACT SOILS UNDER PROPOSED INFILTRATION AREA.
3. ALL DRAINAGE STONE SHALL BE DOUBLE–WASHED TO PREVENT FINES FROM CLOGGING INFILTRATION AREAS.
4. DRAINAGE STONE BACKFILL SHALL BE COMPACTED IN 12" LIFTS WITH A VIBRATORY COMPACTOR TO A 95% MODIFIED PROCTOR DENSITY. SUBSOIL UNDER DRAINAGE STONE SHALL NOT BE COMPACTED. SELECT SOIL BACKFILL AND PAVEMENT SUBBASE SHALL BE COMPACTED TO 98% MODIFIED PROCTOR DENSITY.
5. DRAINAGE COVERS SHALL BE CAST IRON PER ASTM A48 CLASS 35B OR BETTER. OWNER SHALL SELECT COVER DESIGN AND FINISH.
6. UNDERDRAIN PIPING SHALL BE 6"ø DOUBLE–WALL HDPE, WITH SMOOTH INTERIOR. PIPING THROUGH DRAINAGE AREAS SHALL BE PERFORATED, PIPING THROUGH SOIL AREAS SHALL BE SOLID. PIPE SHALL BE SLOPED TO MATCH SURFACE GRADE OR 1.0%, WHICHEVER IS GREATER.
7. PROVIDE CHECK DAMS ACROSS THE WIDTH OF THE INFILTRATION GALLERY AT THE LOCATIONS SHOWN. CHECK DAMS SHALL CONSIST OF IMPERMEABLE BARRIER (20 MIL PVC MINIMUM) EXTENDING FROM THE SUBGRADE TO THE TOP OF THE MODULAR INFILTRATION TANK UNITS.
8. CONSTRUCTION STAGING SHALL BE COORDINATED WITH OWNER TO MINIMIZE DISRUPTION TO CAPITOL ACTIVITIES.
9. INSTALL TEMPORARY STORMWATER DIVERSIONS AND EROSION AND SEDIMENT CONTROL MEASURES AS INDICATED TO MINIMIZE POTENTIAL CONTAMINATION OF INFILTRATION MEASURES DURING CONSTRUCTION.
10. SURFACE OF PLANTING MIX SHALL BE INSTALLED AT 0% GRADE TO PROVIDE MAXIMUM INFILTRATION CAPACITY.
11. REFER TO LANDSCAPING PLANS FOR BRICK PAVER INSTALLATION DETAILS, SOIL SPECIFICATIONS AND PLANTING REQUIREMENTS.
12. PRECAST CONCRETE PLANTER BOXES MAY BE SUBSTITUTED FOR CAST–IN–PLACE UNITS. CONCRETE PLANTERS SHALL BE TINTED USING AN INTEGRAL ADMIXTURE TINT – SCOFIELD CHROMIX (COOL GREY 1266) OR APPROVED EQUAL.
13. MODULAR INFILTRATION TANK SYSTEM SHALL HAVE A MINIMUM VOID RATIO OF 94%, AND SHALL BE CAPABLE OF SUPPORTING H–20 LOADS (AS AN INSTALLED SYSTEM). INFILTRATION TANK SYSTEM SHALL BE INSTALLED IN STRICT ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.

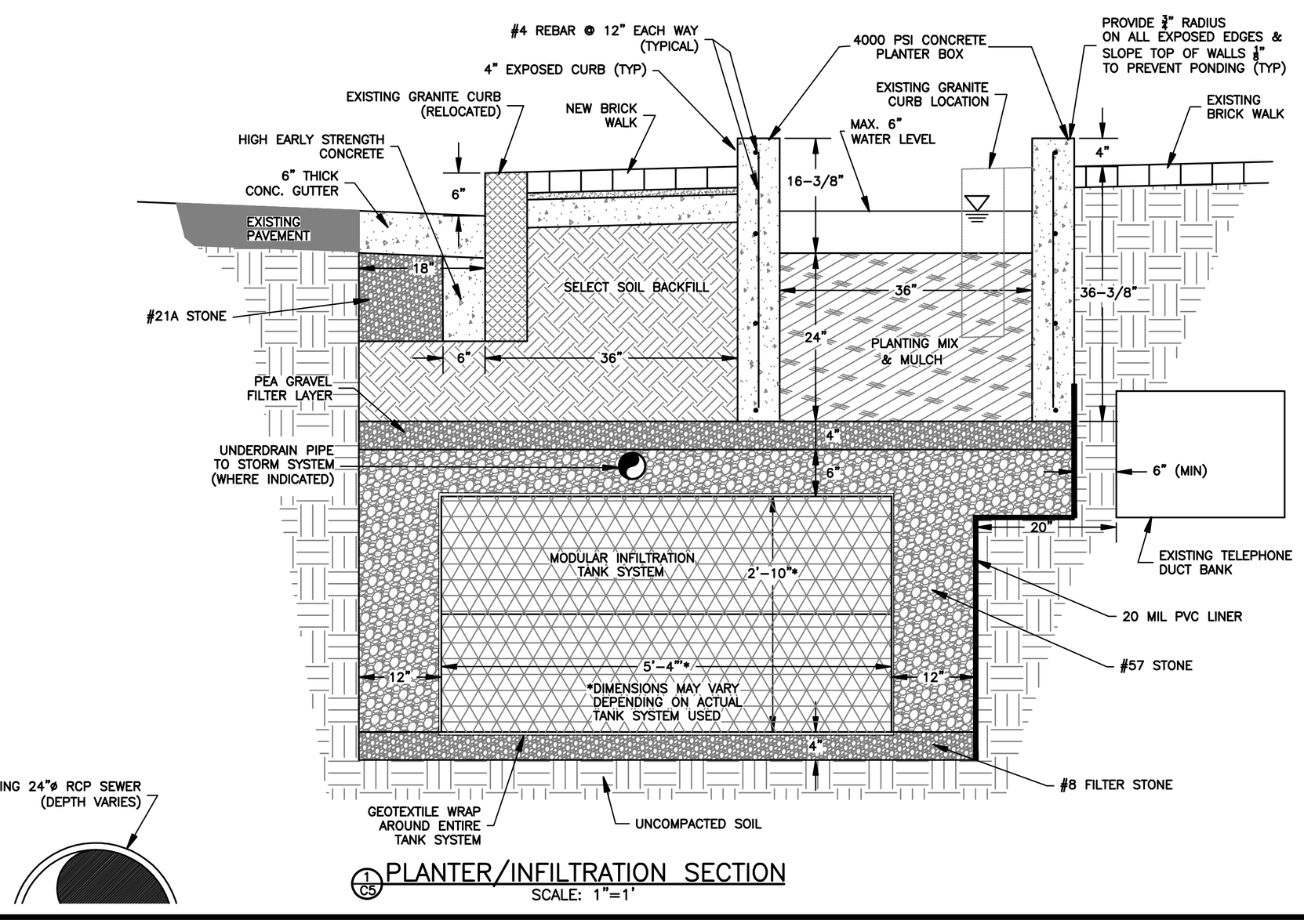
GRAPHIC SCALE

10 0 5 10 20 40

(IN FEET)
1 inch = 10 ft.

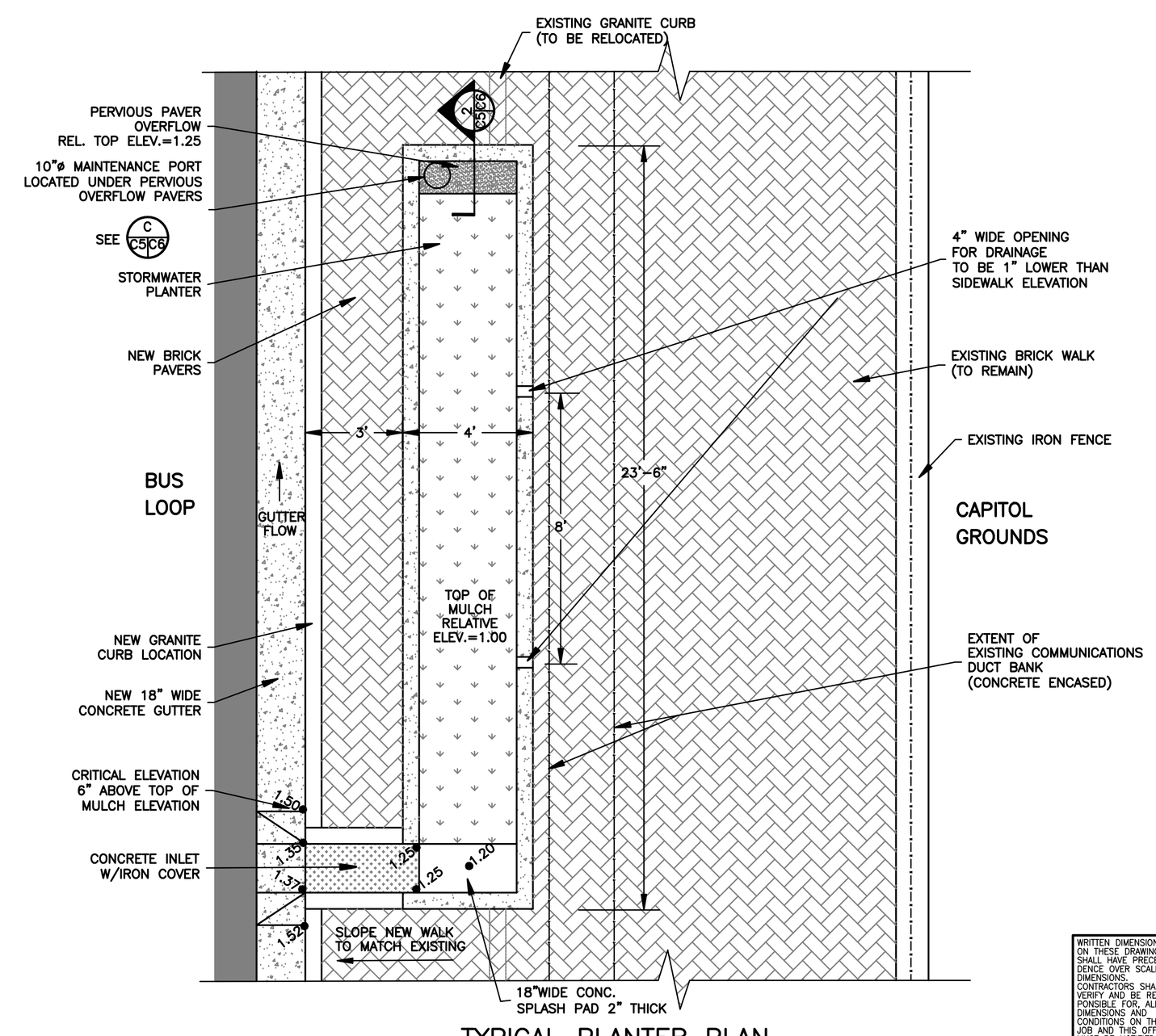
LEGEND

- EXISTING 5' CONTOUR
- EXISTING 1' CONTOUR
- EXISTING BURIED TELEPHONE
- EXISTING UNDERGROUND ELECTRIC
- EXISTING STORM SEWER
- EXISTING TREES & SHRUBS



1/C5 PLANTER/INFILTRATION SECTION

SCALE: 1"=1'



TYPICAL PLANTER PLAN

SCALE: 3/8"=1'

WRITTEN DIMENSIONS ON THESE DRAWINGS SHALL HAVE PRECEDENCE OVER SCALE DIMENSIONS. CONTRACTORS SHALL VERIFY AND BE RESPONSIBLE FOR, ALL DIMENSIONS AND CONDITIONS ON THE JOB AND THIS OFFICE MUST BE NOTIFIED OF ANY VARIATION FROM THE DIMENSIONS AND CONDITIONS SHOWN BY THESE DRAWINGS.

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GREENING OF VIRGINIA'S CAPITOL
PHASES I – III
RICHMOND, VIRGINIA
DGS# NFWF–1544–P01 Project No. 194–A0194–005

COMMONWEALTH OF VIRGINIA
CHRISTOPHER E. SONNE
LIC. No. 020621
4/19/2010
PROFESSIONAL ENGINEER

PHASE III BUS LOOP PLANTERS

DRAWN: C.SONNE
CHECKED:
DATE: 4/19/2010
PROJECT: 09008
REVISIONS: 5/26/2010

C5

OF: 9