Appendix F Green Infrastructure Construction Details and Photos

Design Standards and Standard Details that incorporate Green Infrastructure

Table 1 includes a list of green infrastructure details as well as an estimate of where each may be applied within the street right-of-way or on a site development. In most cases where a detail is denoted under Right-of-Way as well as Site Development, one detail may suffice to show both applications. Also listed are miscellaneous details that are typically a part of green infrastructure design. Specifications to consider in conjunction with the standard details are listed below the table.

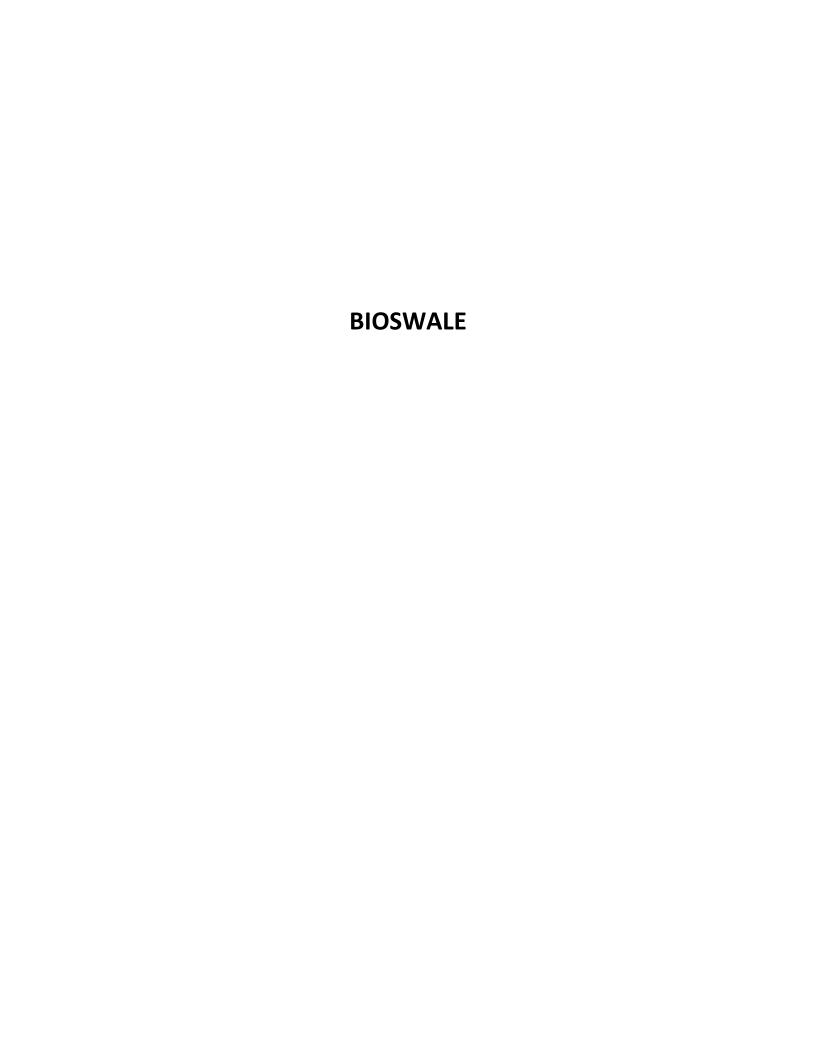
Table 1 Green Infrastructure Details and Applicability

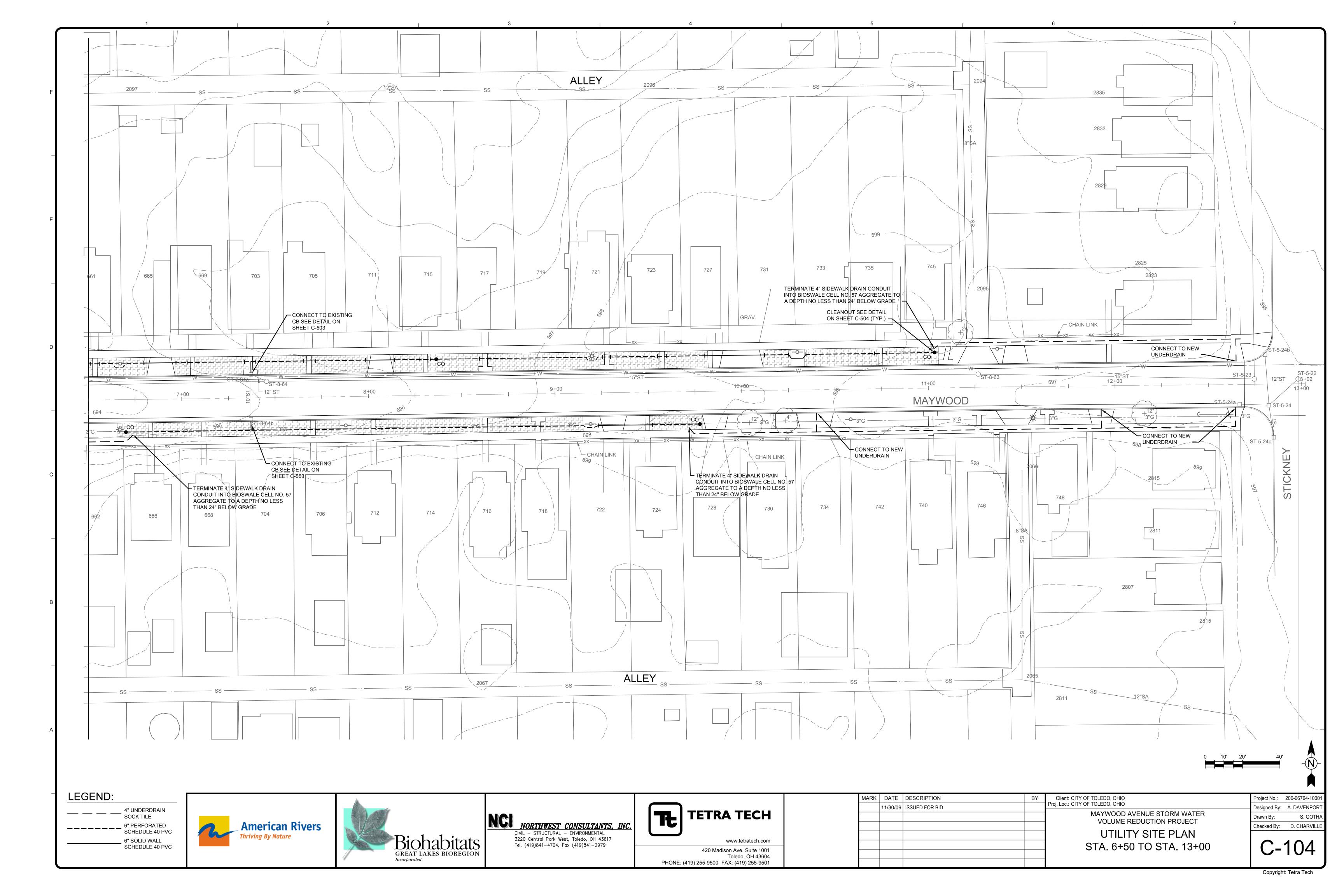
Table 1 Green Infrastructure Details and Applicability									
Green Infrastructure Details	Right-Of-Way					Ħ	out		
	Sidewalk	Greenway	Median	Parking Lane	Travel Lane	Site Development	Block and	Intersection Layout	Per Street Type
Traditional Bioretention			•			•			
Bioswale		•				•			
Corner Curb Extension (Node)	•	•						•	
Mid-block Curb Extension	•	•						•	
Tree Box	•		•			•			,
Planter Box	•					•			
Permeable Concrete	•			•	•	•			
Permeable Asphalt	•			•	•	•			
Permeable Concrete Pavers	•			•		•			
Grid Pavers						•			
Filter Strip and Level Spreader						•			
Sand Filter						•			
Cisterns						•			
Rain Barrel						•			
Green Roof						•			
Pocket Wetland						•			
ROW Widths (sidewalk,									
greenway, median, parking,								•	
travel lane)									
Miscellaneous									
Curb Cut	•	•	•			•			
Sediment Sump	•					•			
Rock-lined Sediment Forebay	•	•	•						
High Flow By-Pass Structure						•			

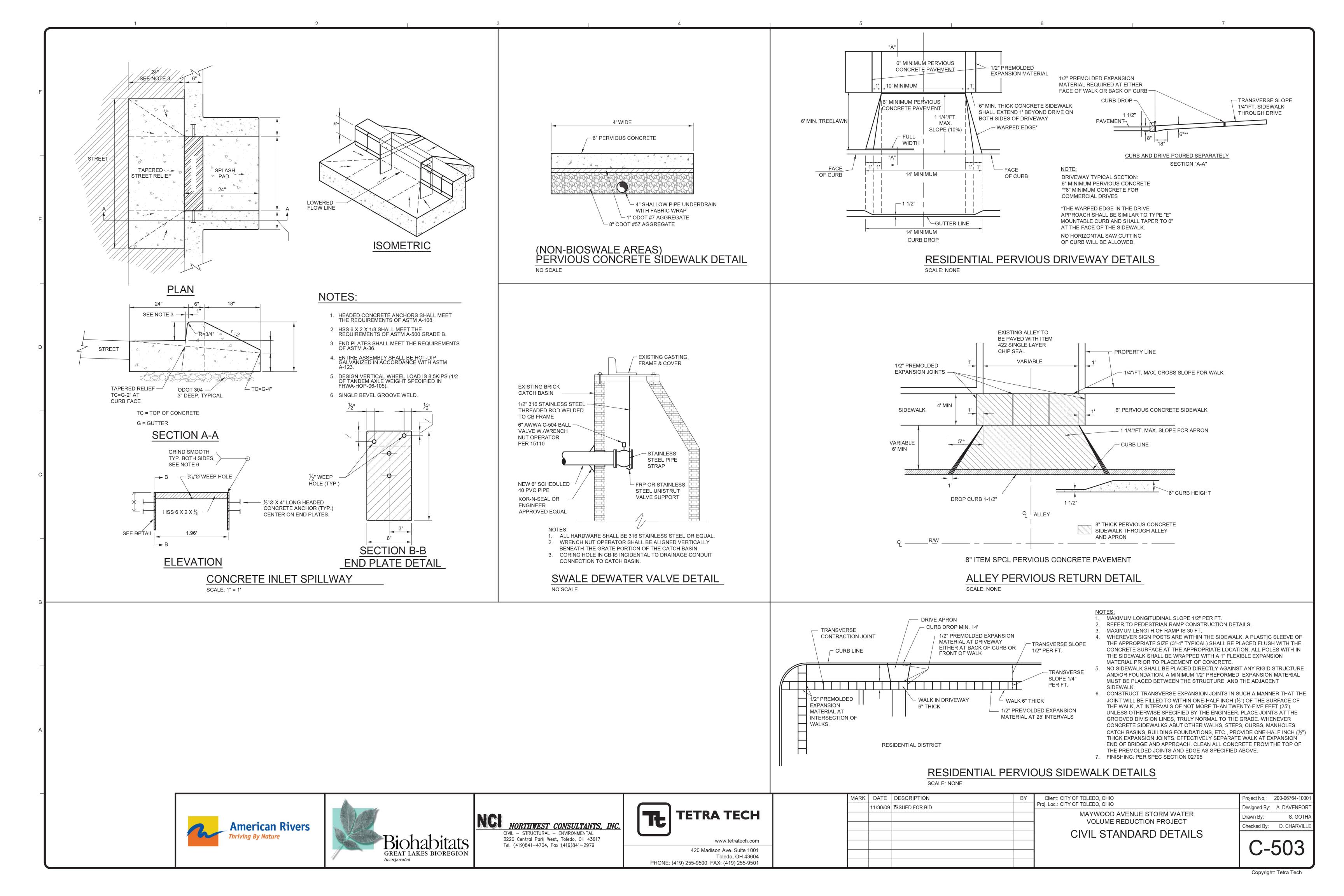
Possible Specifications:

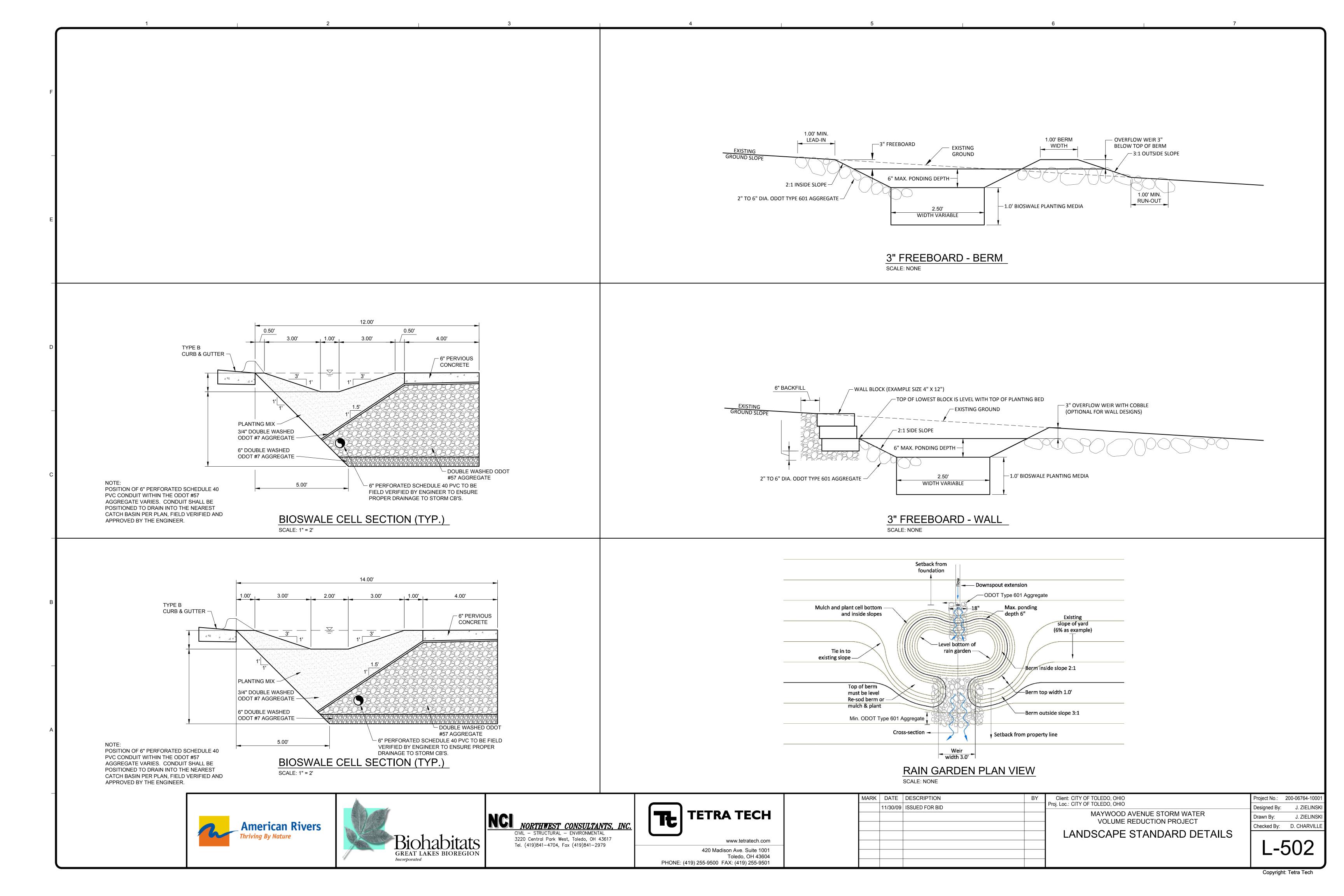
Soil amendments
Plantings
Engineered soil mixture
Aggregate storage
Aggregate Filter Layer
Structural Soil

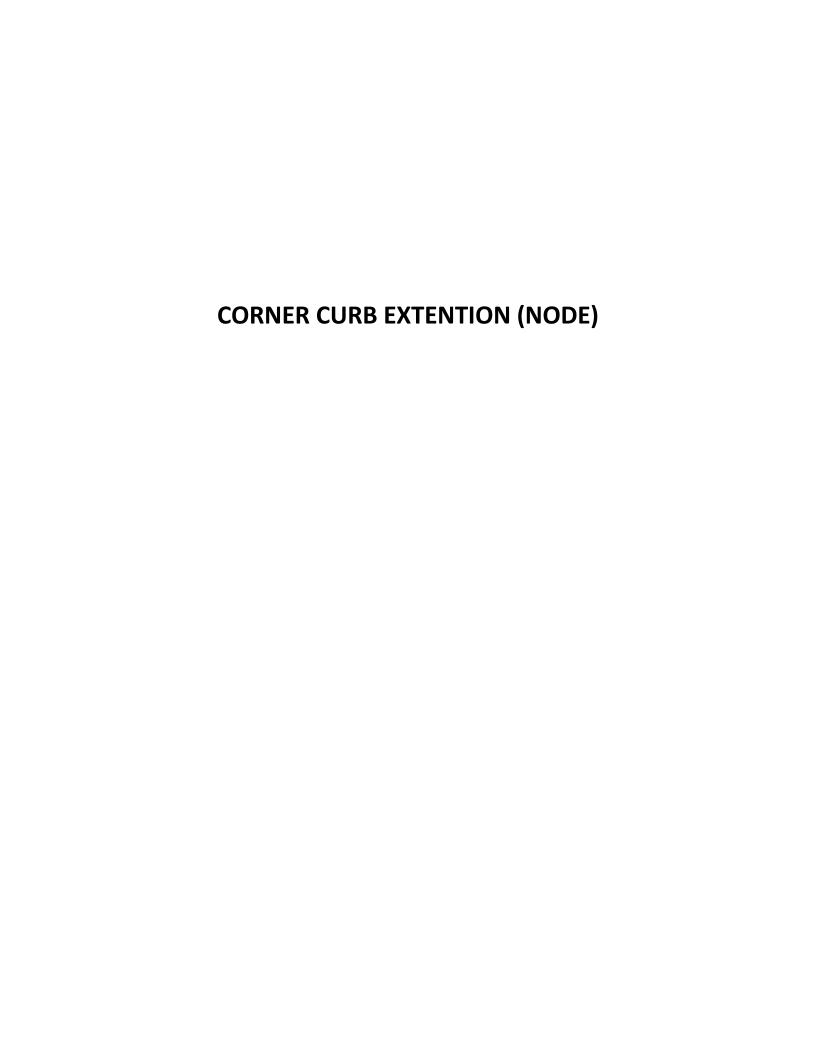
Modular suspended pavement (Silva cell system)
Permeable concrete
Permeable asphalt
Permeable interlocking concrete pavers
Concrete and plastic grid pavers

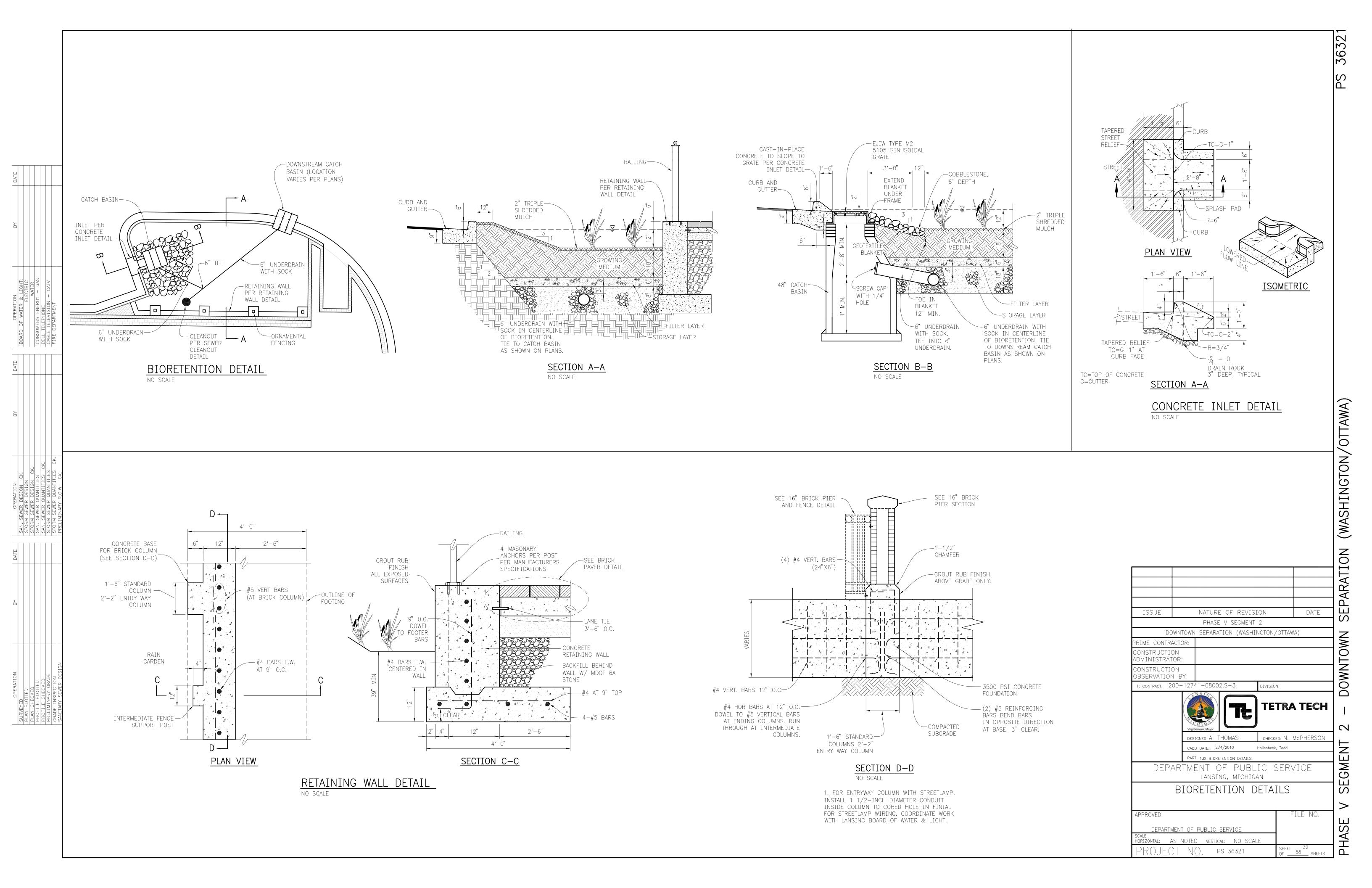


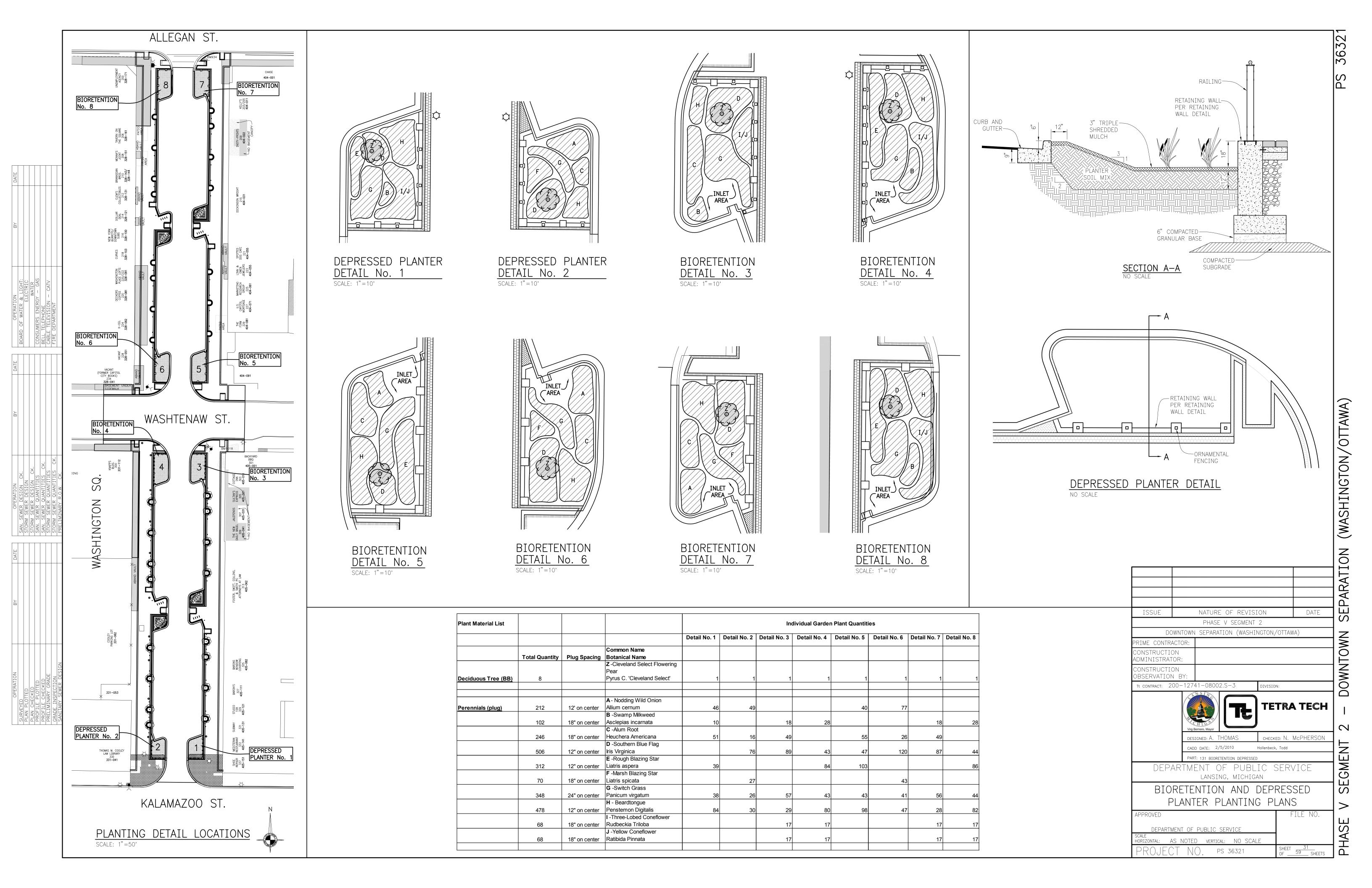


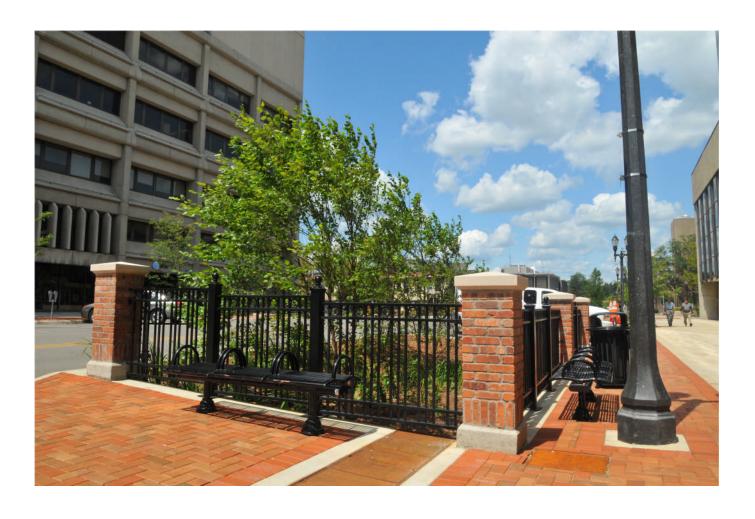




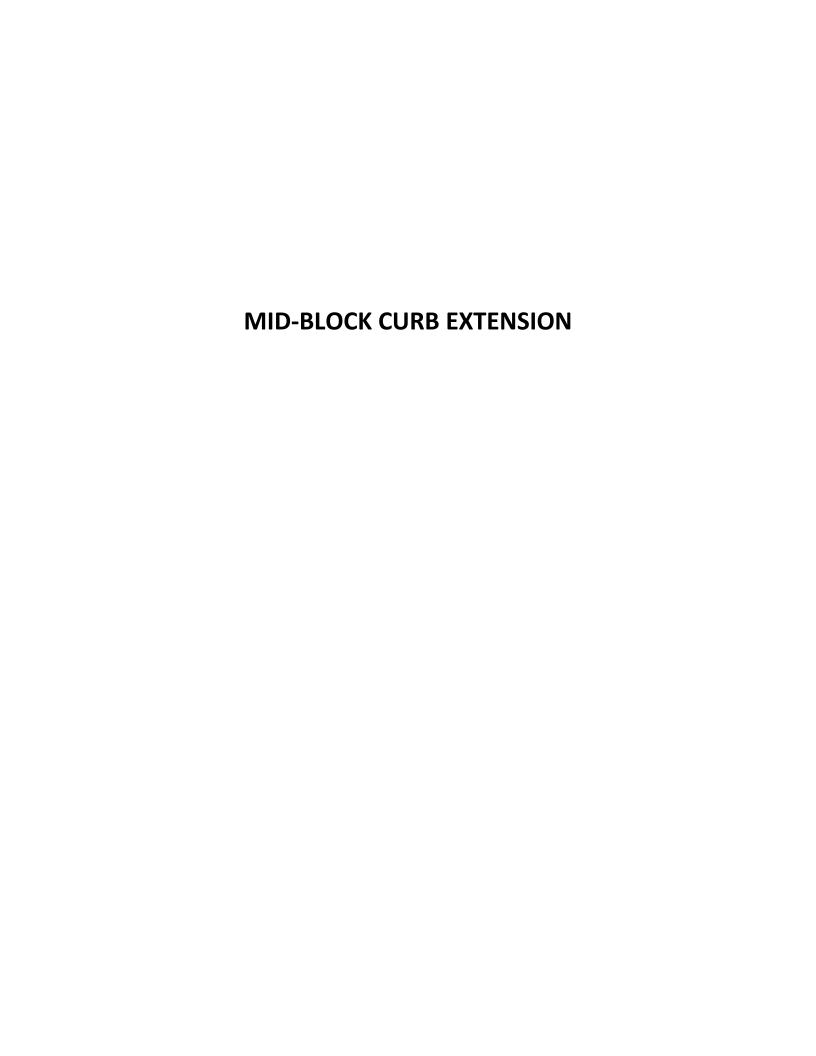


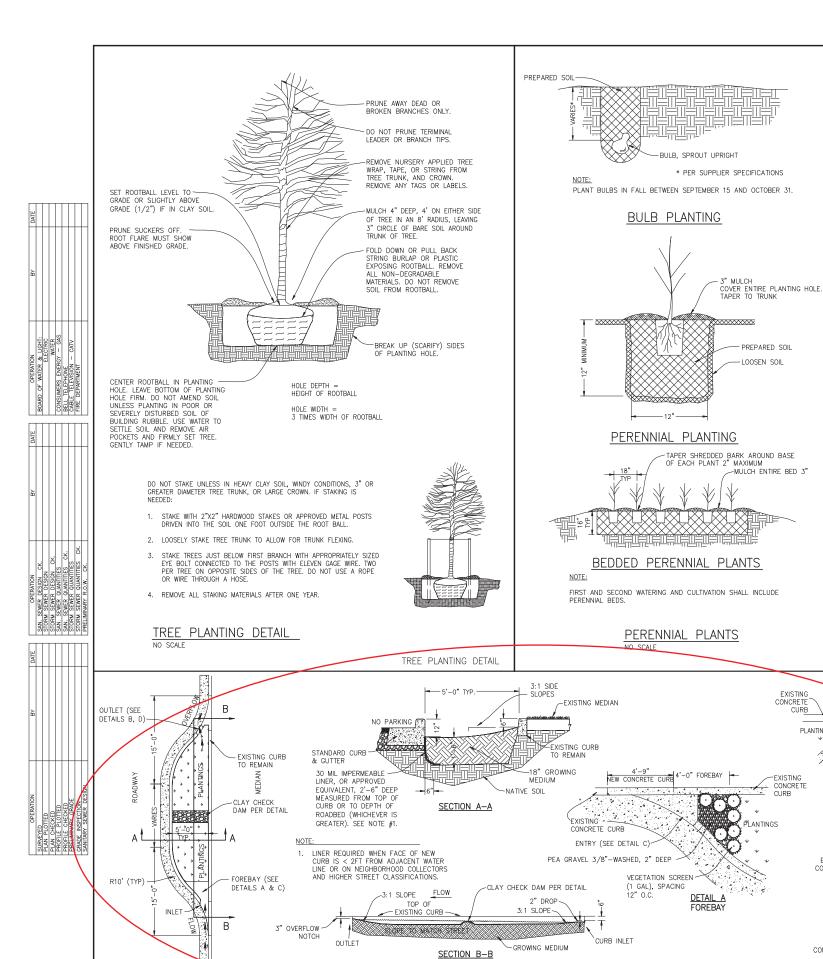












CURB EXTENSION PLAN

CURB EXTENSION RAIN GARDEN

4" MULICH COVER ENTIRE PLANTING HOLE. TAPER MULCH UNDISTURBED SOIL LOOSEN SUBSOIL-

SHRUB BED DETAIL

4'-9" NFW

12" NOTCH

DETAIL C

MODIFIED INLET

DETAIL D

MODIFIED OUTLET

<u>DETAIL B</u> OUTLET CURB PLAN

(SEE DETAIL D)

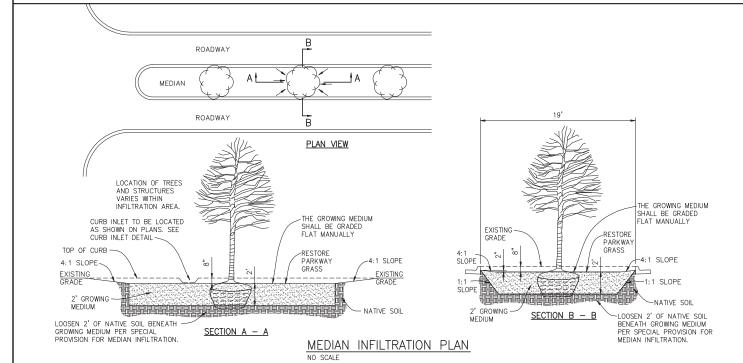
PLANTINGS*

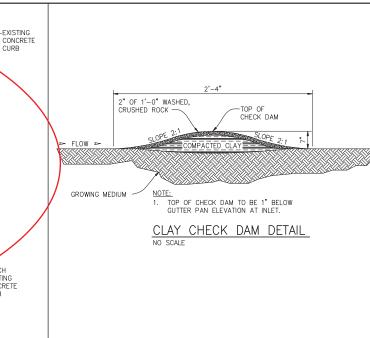
EXISTING -

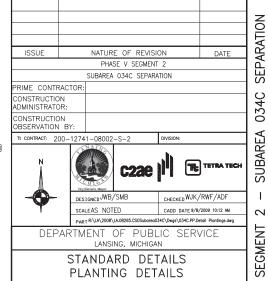
CONCRETE

SHRUB PLANTING NOTES:

- DIG PLANT POCKET FOR SHRUBS A MINIMUM OF 12" WIDER AND 6" DEEPER THAN THE ROOT
- 2. LOOSEN EARTH ON SIDES OF PLANT POCKET TO BREAK ANY GLAZING CAUSED BY DIGGING.
- 3. SET PLANTS AT THE SAME OR SLIGHTLY HIGHER DEPTH THAN THE NURSERY.
- FILL PREPARED SOIL TO THE DEPTH OF THE ROOT BALL, PACK GENTLY, AND PUDDLE THE
- LOOSEN AND REMOVE BURLAP AND ALL LACING FROM UPPER HALF OF ROOT BALL. REMOVE NON-DEGRADABLE MATERIAL.
- BACKFILL WITH PREPARED SOIL WHICH, AFTER COMPACTION, IS FLUSH WITH SURROUNDING
- COVER ENTIRE PLANT POCKET AREA WITH 4" MULCH TAPERING TO 2" AT PLANT BASES. PRUNE DAMAGED OR DISTORTED LIMBS AS NECESSARY TO BALANCE PLANT.
- ALL LANDSCAPE BEDS SHALL HAVE 3"-4" OF HARDWOOD BARKMULCH INSTALLED. SEE DETAILS (THIS SHEET) FOR SPECIFIC DEPTHS OF PERENNIAL, SHRUB, AND TREE BEDS.
- WHEN PLANTS ARE FURNISHED IN CONTAINERS, THE CONTAINERS SHALL BE COMPLETELY REMOVED AT THE TIME OF PLANTING.
- 10. FIRST AND SECOND WATERING AND CULTIVATION SHALL INCLUDE SHRUB BEDS.
- ALL PLANTS SHALL BE SET PLUMB AND HAVE THE BEST SIDE OF THE PLANT FACING TOWARD THE MAIN DIRECTION OF VIEW.







APPROVED

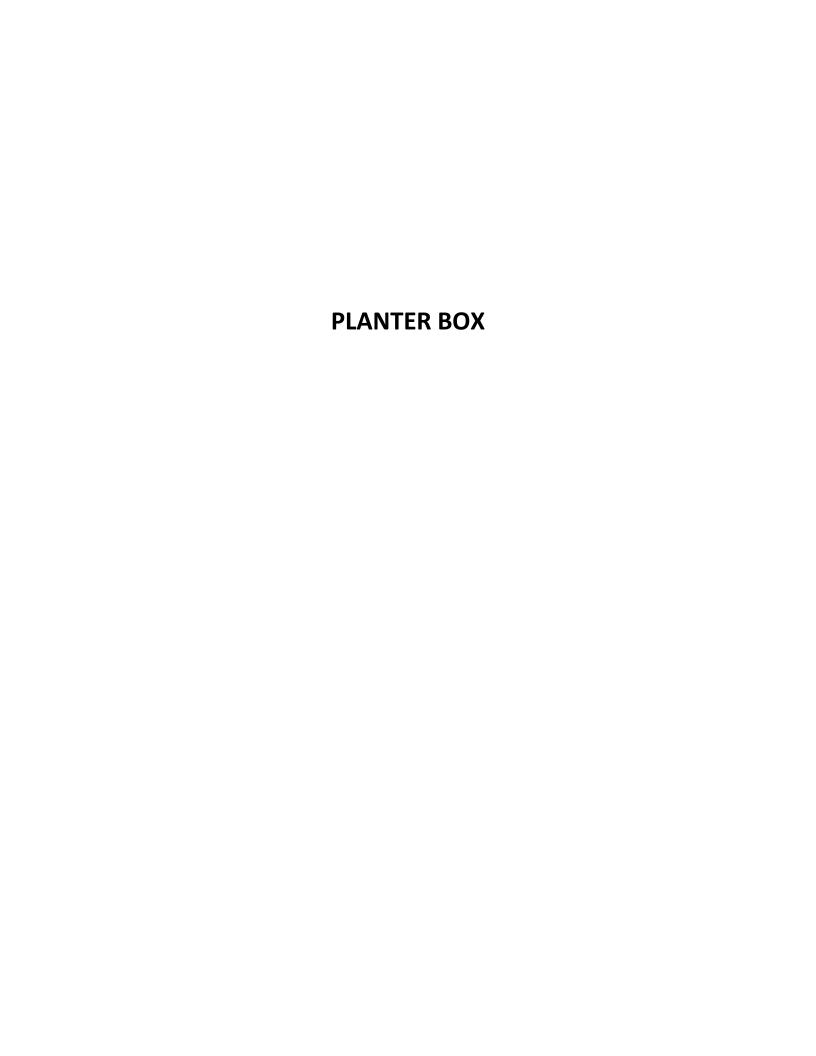
IZONTAL: AS NOTED

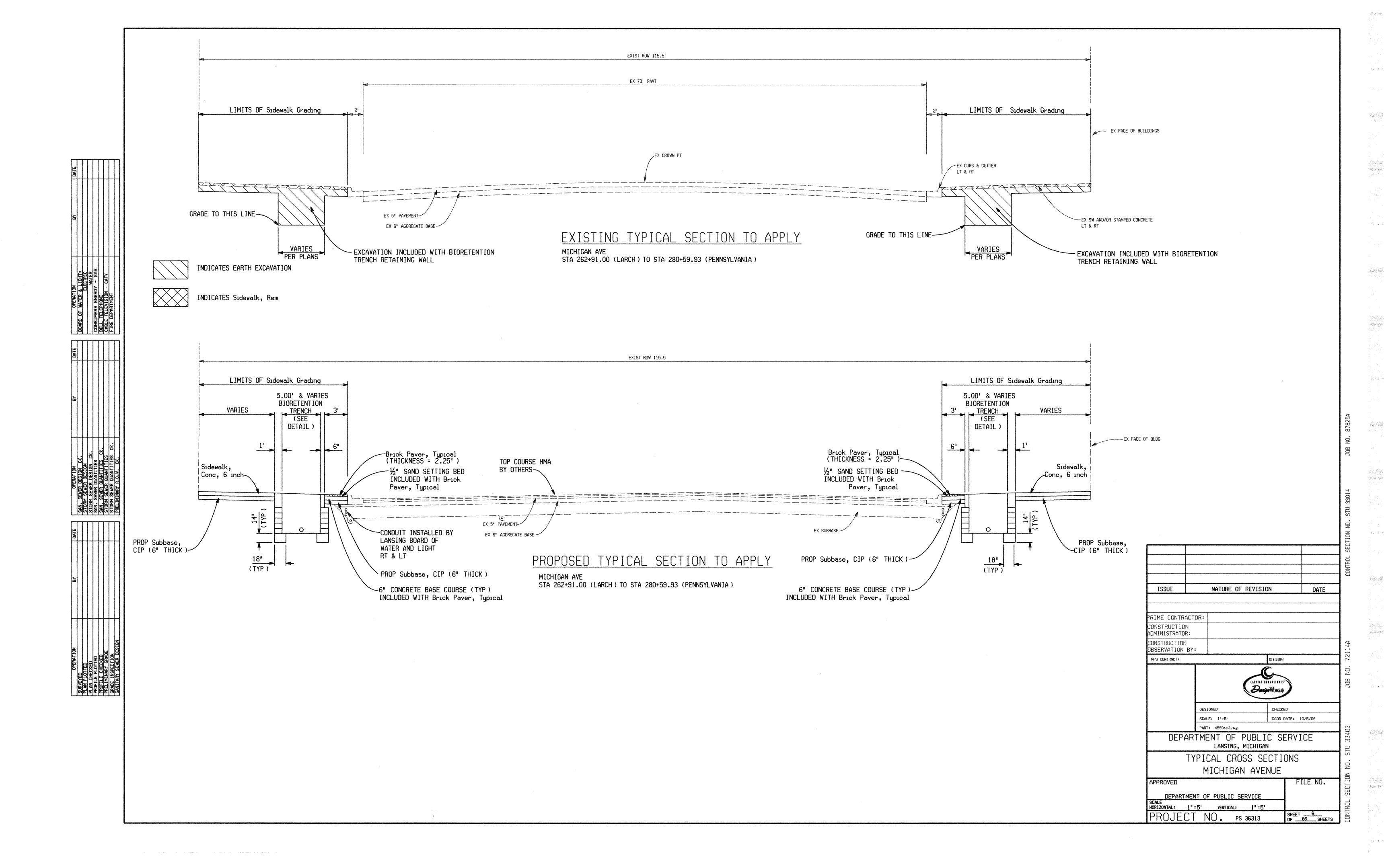
DEPARTMENT OF PUBLIC SERVICE

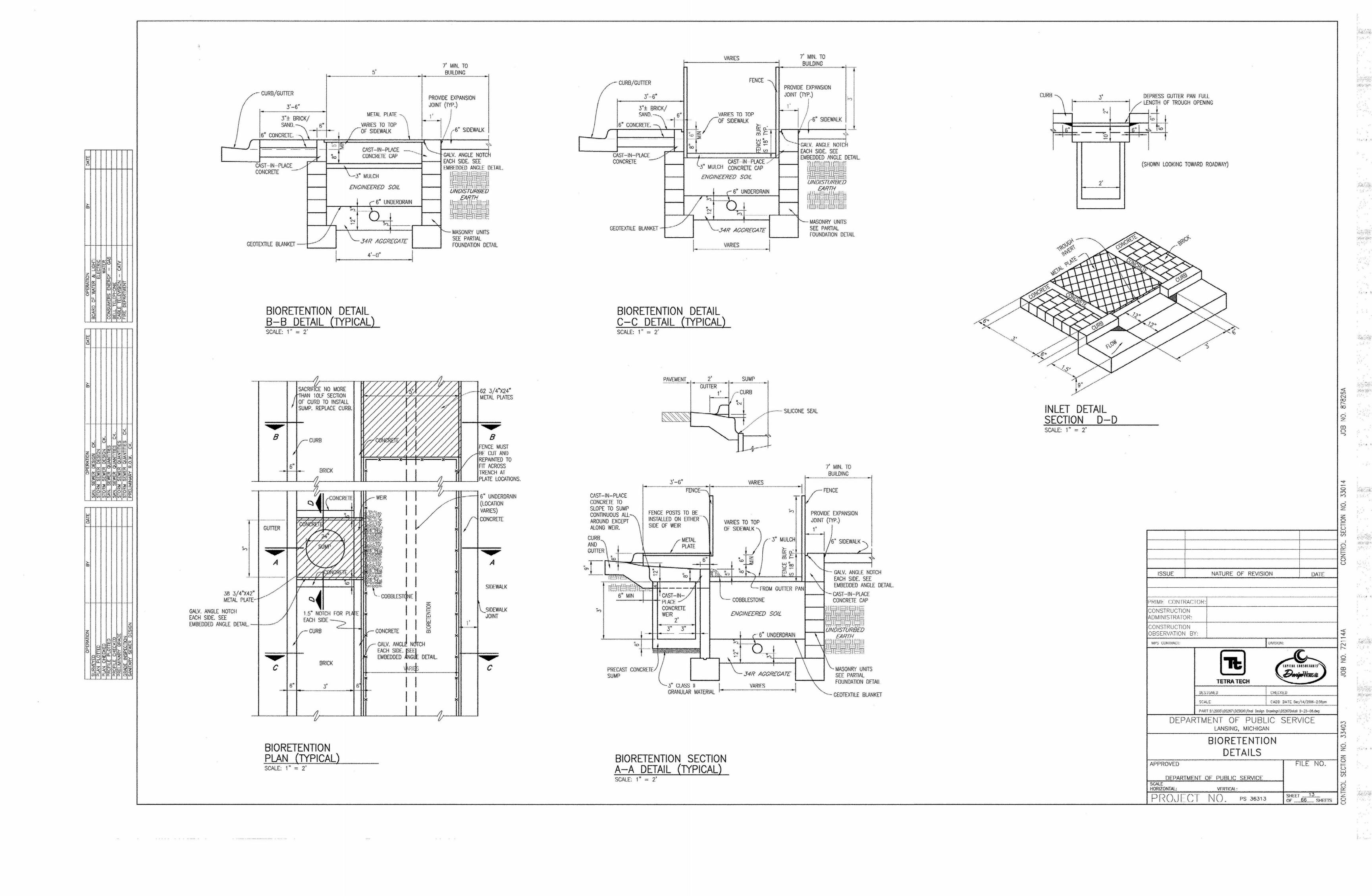
PROJECT NO.PS 45046

VERTICAL: AS NOTED

FILE NO.

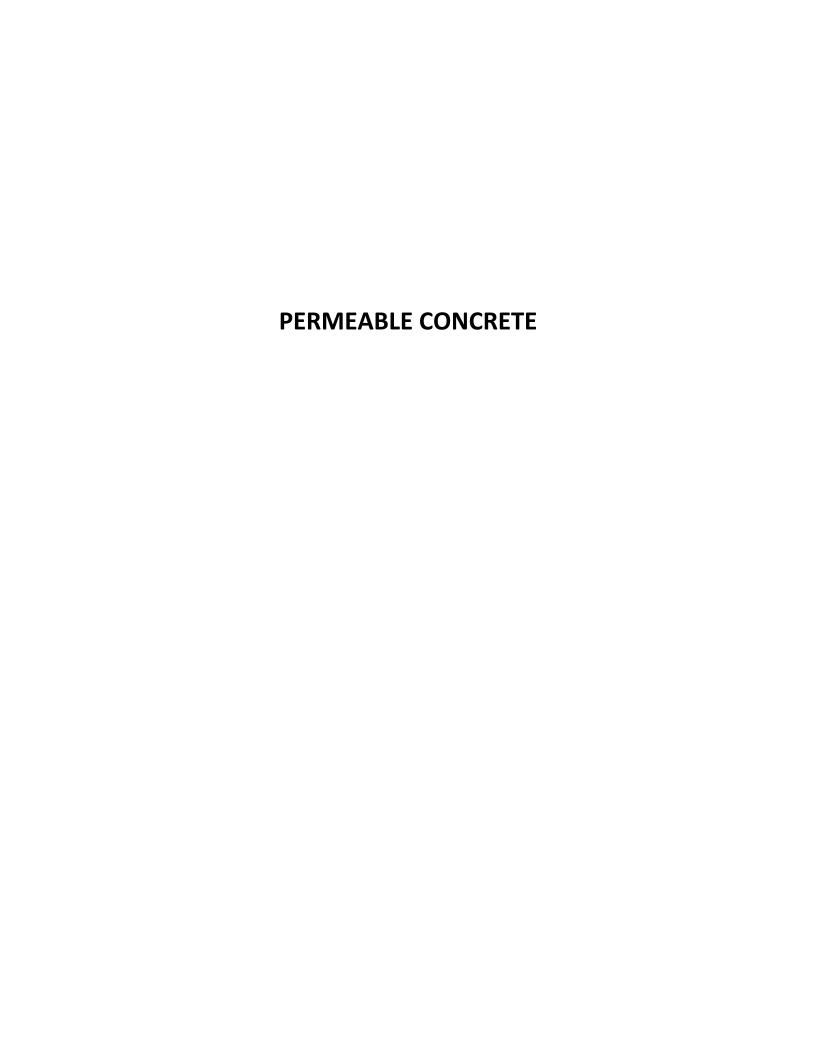


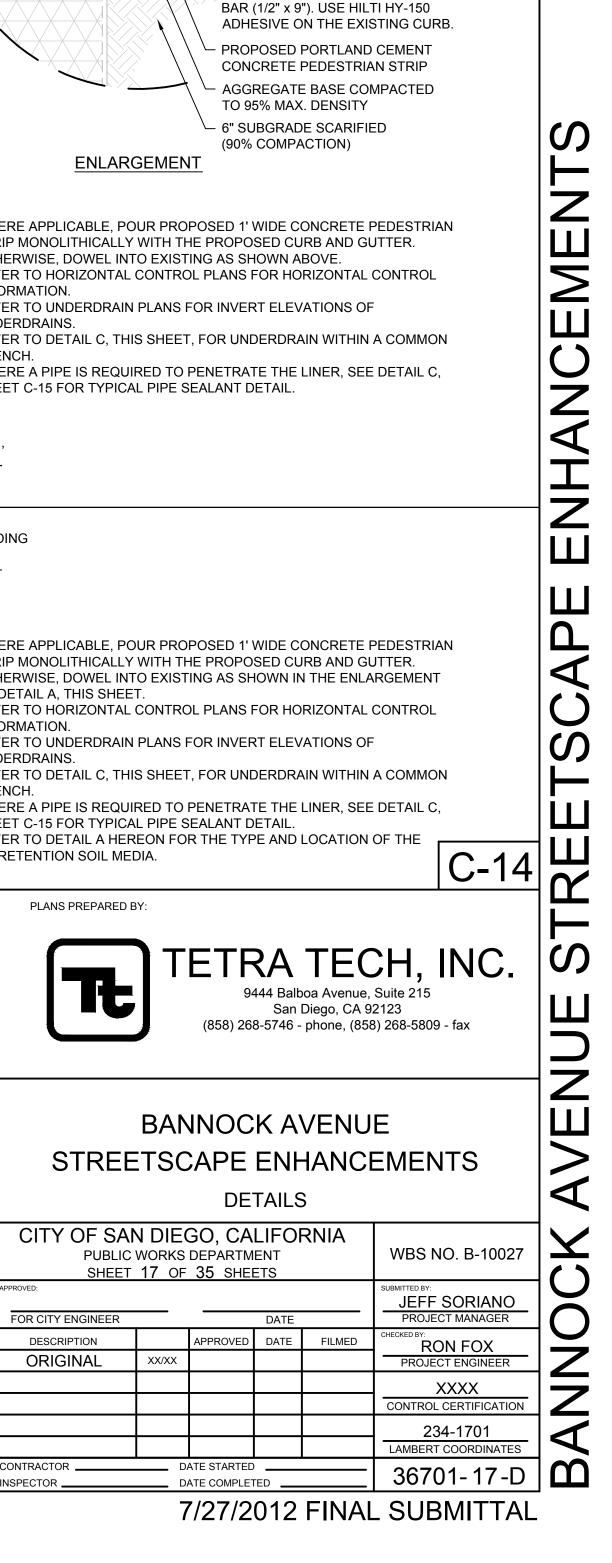


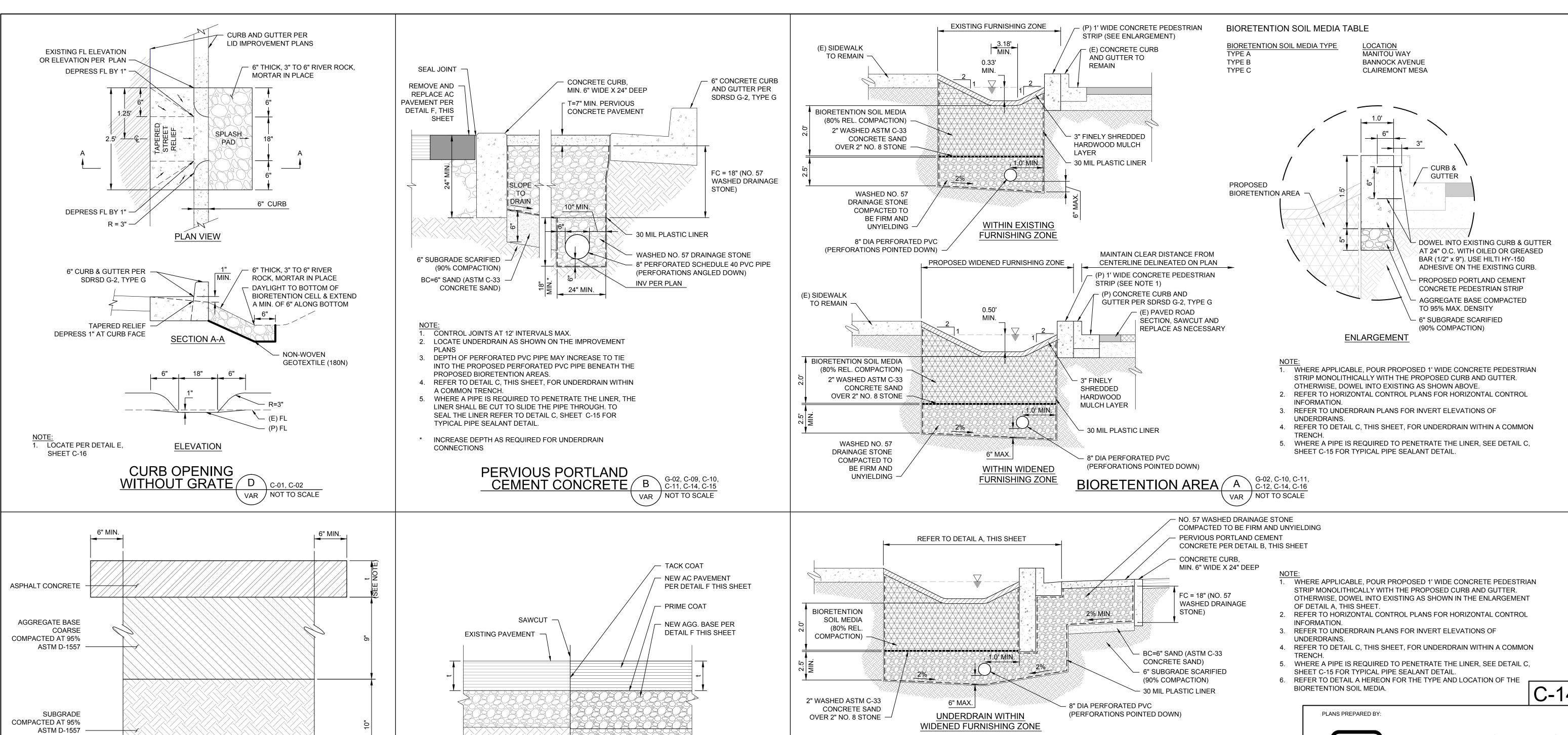


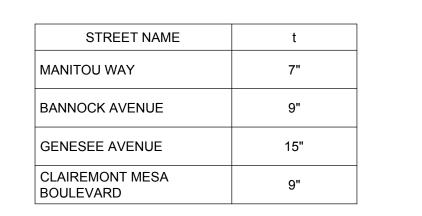








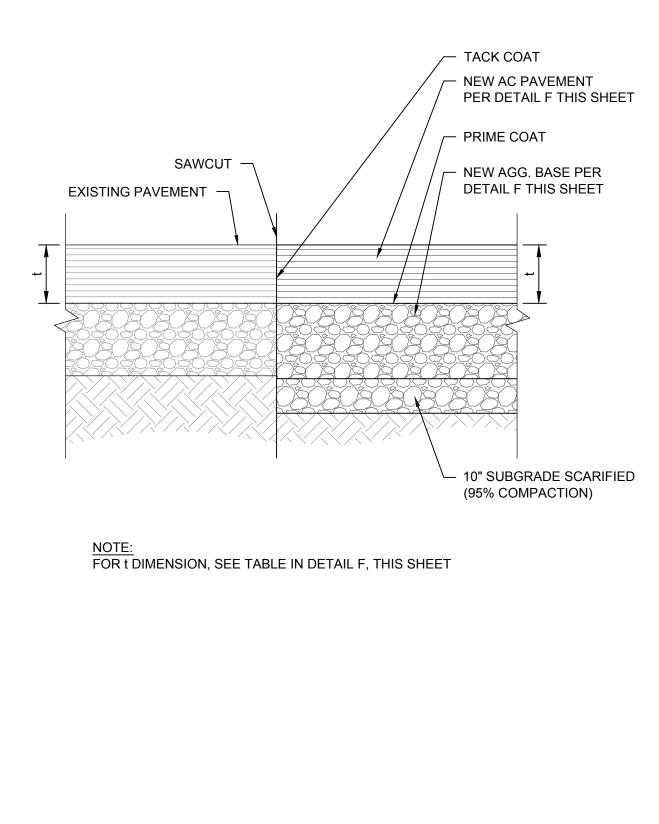




1. THICKNESSES ARE APPROXIMATE AND WERE OBTAINED FROM CORES AT VARIOUS LOCATIONS.

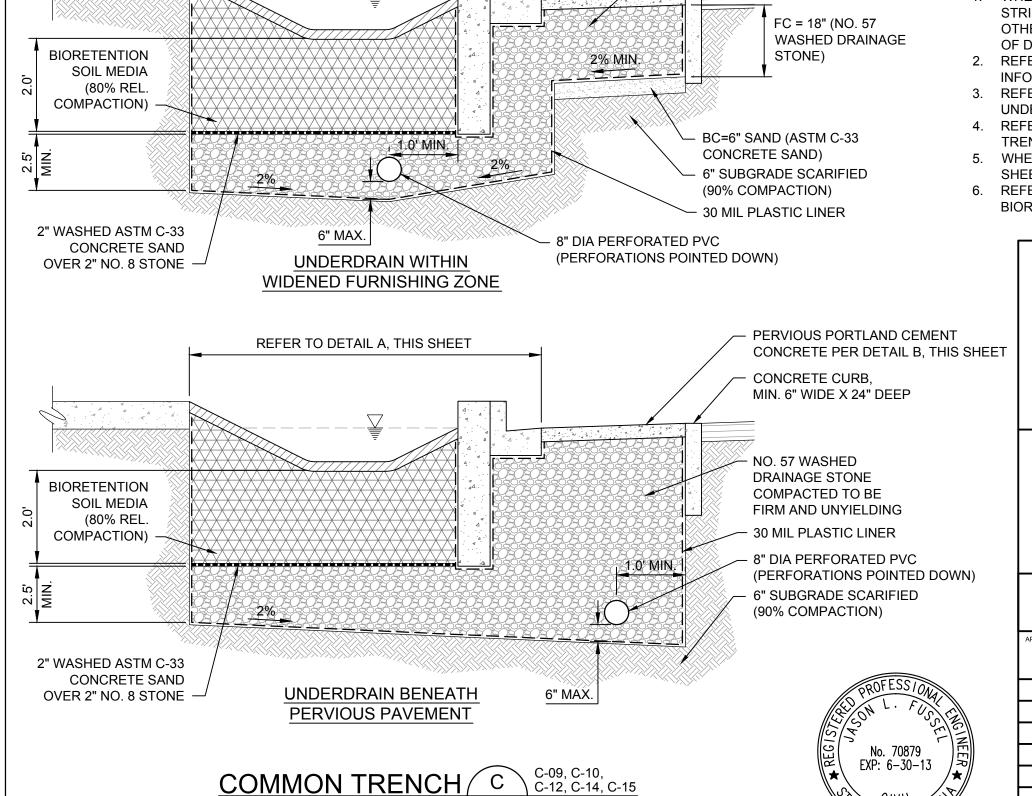
2. TRENCH RESURFACING PER SDG-107 AND

NEW AC PAVEMENT (F) G-02, C-14, C-15 VAR / NOT TO SCALE

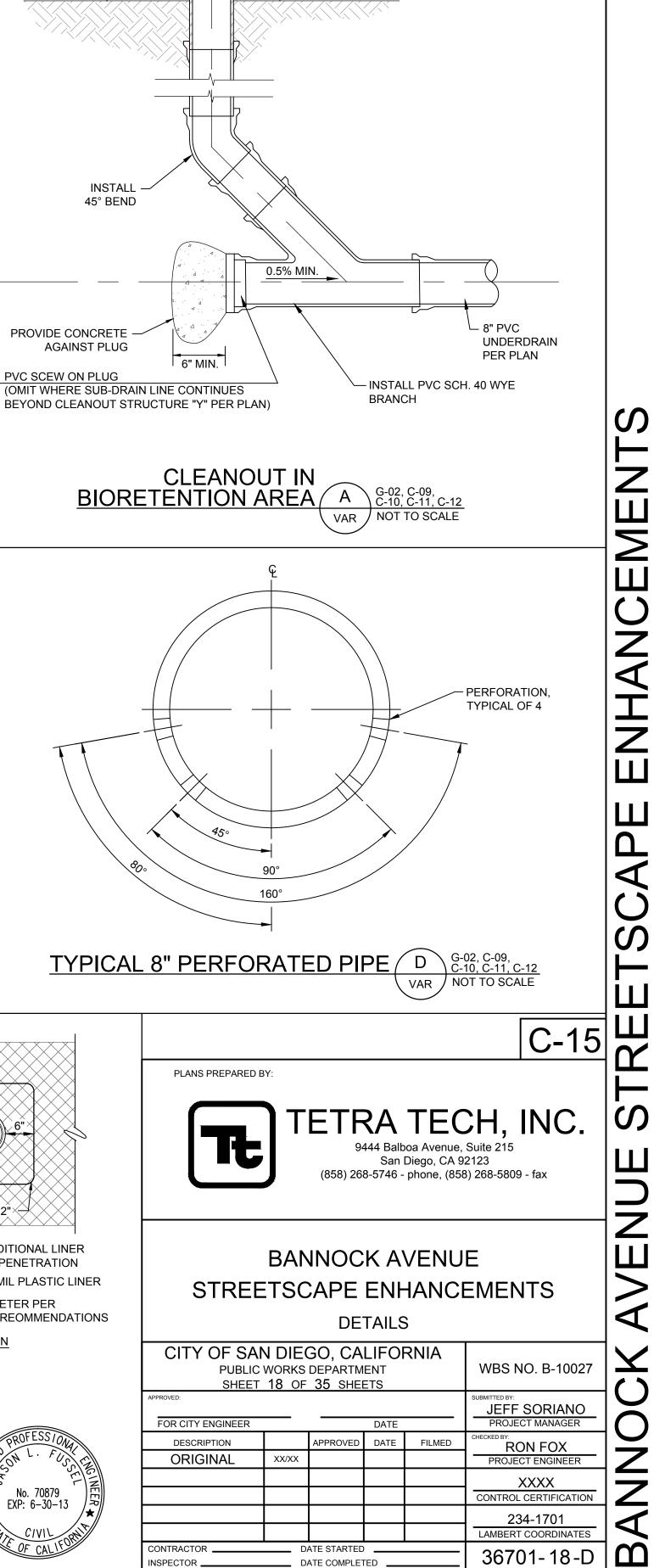


JUNCTURE OF NEW PVMT. TO EX. PVMT.

NOT TO SCALE



NOT TO SCALE



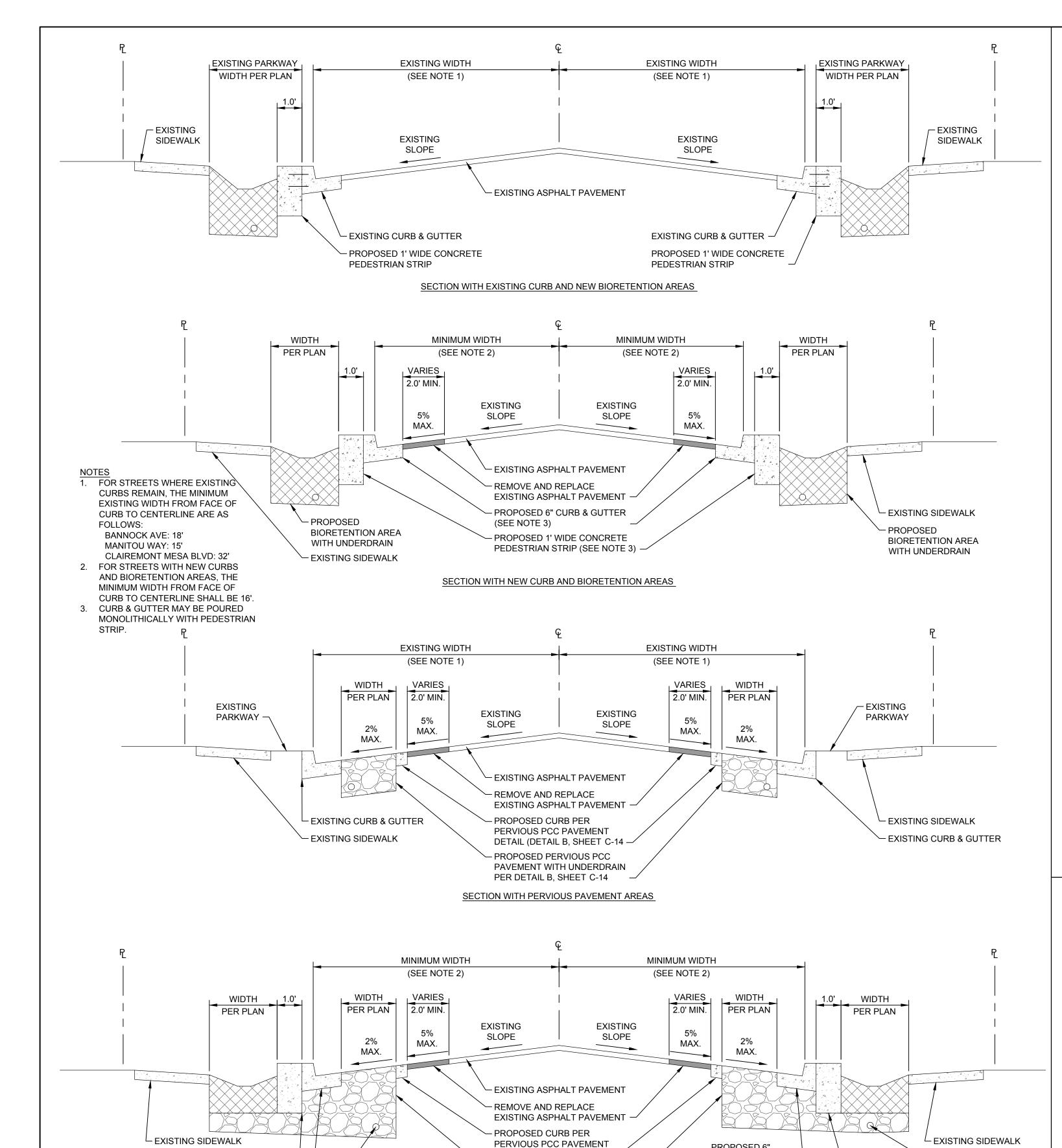
8" Ø PVC LOCKABLE SCREW CAP, PAINTED BROWN

- BOTTOM OF

PROVIDE CONCRETE

PVC SCEW ON PLUG

BIORETENTION AREA



DETAIL B, SHEET C-14

TYPICAL ROADWAY SECTIONS E

PROPOSED COMMON TRENCH

PER DETAIL C, SHEET C-14

SECTION WITH COMMON TRENCHES

NOT TO SCALE

PROPOSED 1' WIDE

(SEE NOTE 3)

(SEE NOTE 3)

CONCRETE PEDESTRIAN STRIP

PROPOSED UNDERDRAIN

PROPOSED 6" CURB AND GUTTER

BENEATH PERVIOUS PAVEMENT -

PROPOSED 6"

(SEE NOTE 3)

(SEE NOTE 3)

CURB AND GUTTER

PROPOSED 1' WIDE

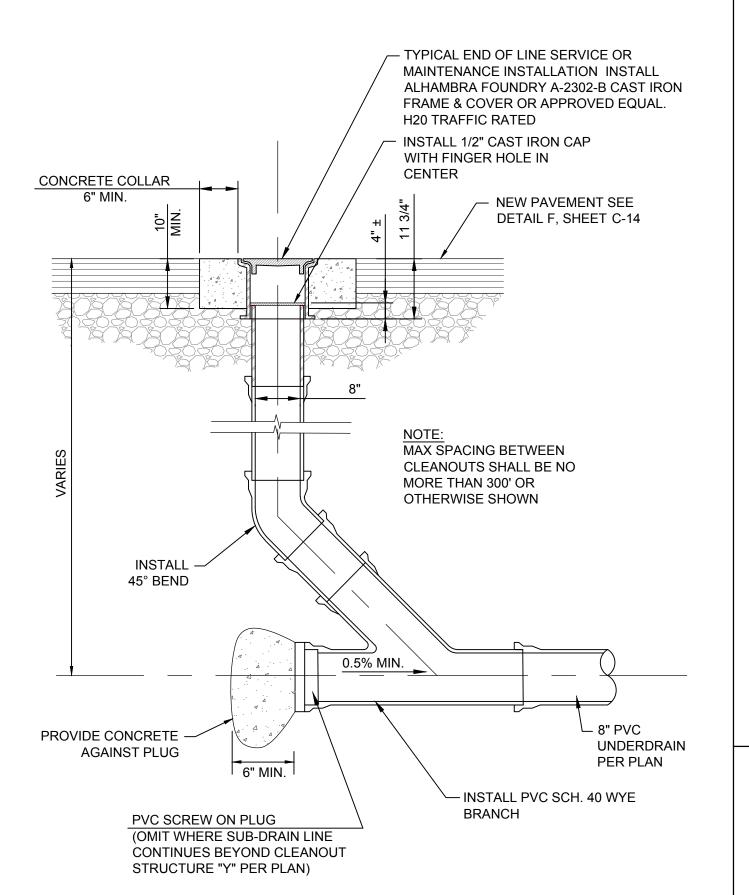
CONCRETE PEDESTRIAN STRIP

- PROPOSED

UNDERDRAIN

WITHIN WIDENED

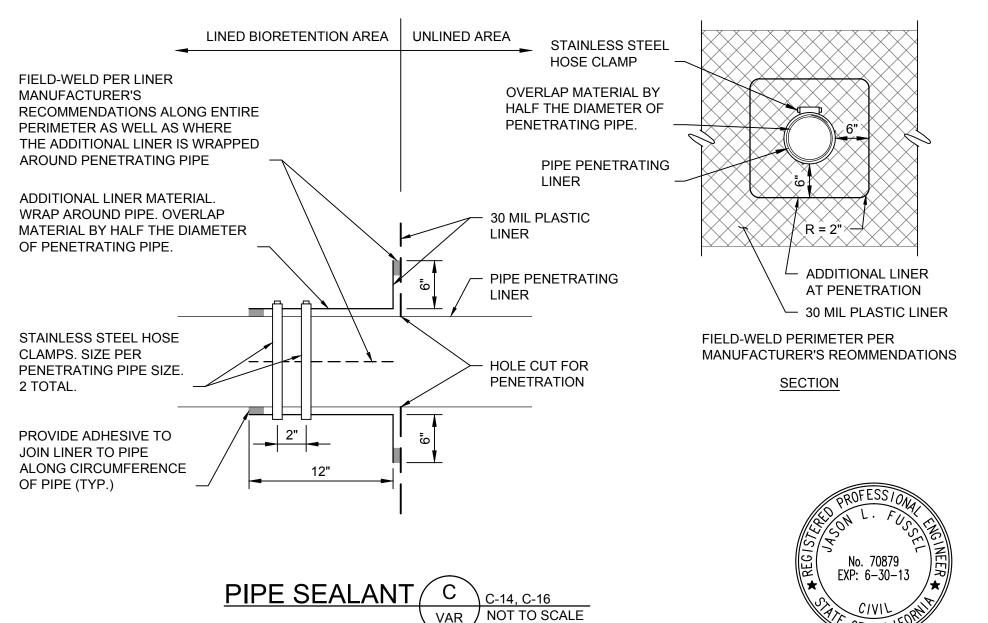
FURNISHING ZONE



NOTES:

PIPES AND FITTINGS SHALL BE PROPERLY ALIGNED AND MAINTAINED WHILE CONCRETE IS BEING PLACE AND ALLOWED TO HARDEN. JOINTS FOR PIPES AND FITTINGS SHALL BE MADE PRIOR TO PLACING CONCRETE. CONCRETE FOR BEDDING, ENCASEMENT, AND WALL SUPPORT FOR PIPES AND FITTINGS SHALL BE PLACED UNIFORMLY AROUND THE PIPE AND FITTINGS AS SHOWN HEREON TO MAINTAIN PROPER ALIGNMENT, AND SHALL BE CLASS 420-C-2000.





PERMEABLE CONCRETE PAVERS

