

CITY OF BALTIMORE  
 DEPARTMENT OF GENERAL SERVICES  
 DESIGN AND CONSTRUCTION DIVISION



CONTRACT NO. GS 18812








**THE BALTIMORE CONVENTION CENTER  
 PLANTER BEDS AND TREE BOXES  
 WATERPROOFING REPLACEMENT**

1 W PRATT STREET  
 BALTIMORE, MD 21201

FOR  
 THE MAYOR AND CITY COUNCIL  
 BRANDON M. SCOTT , MAYOR

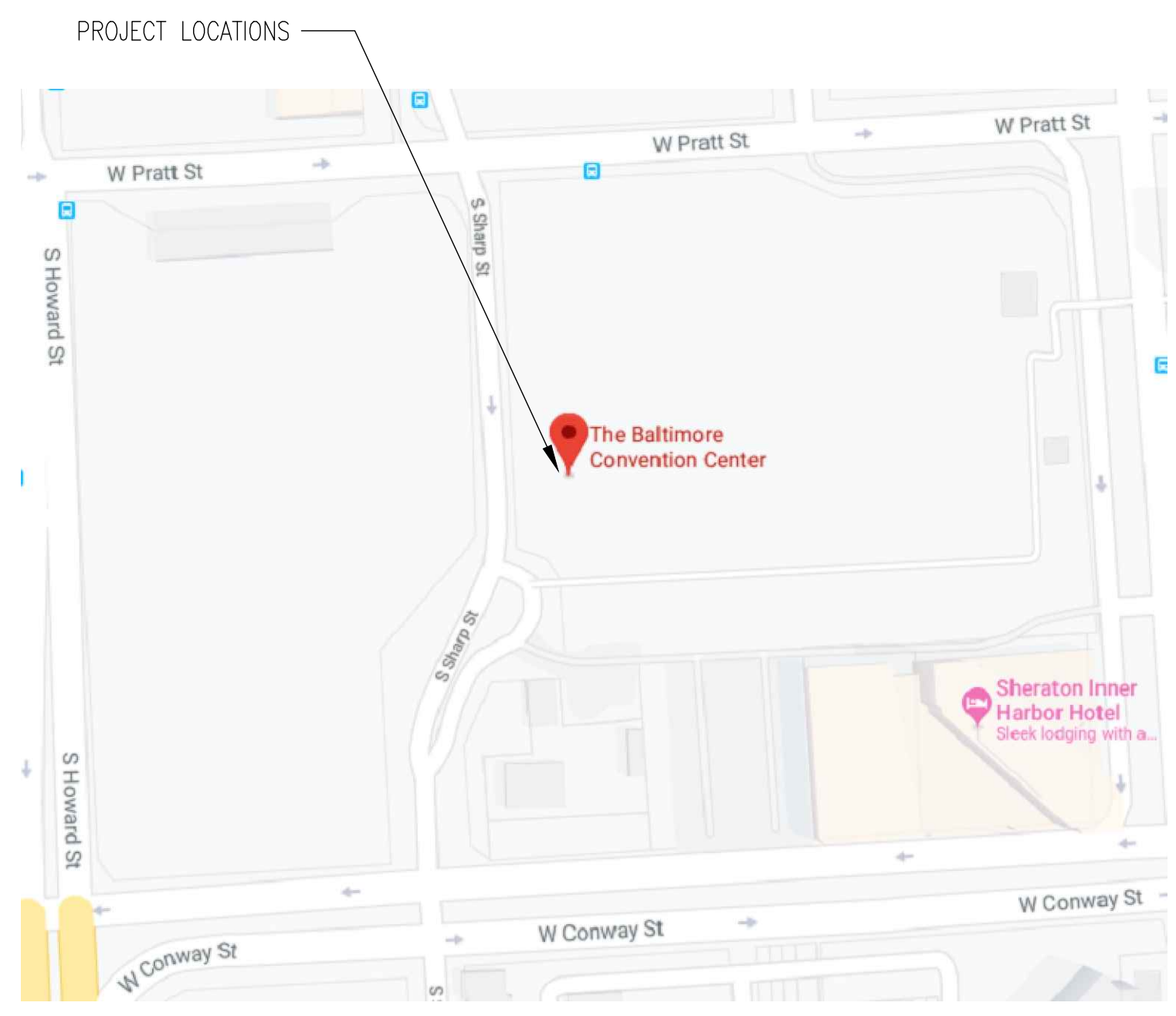
PLANTER BEDS AND TREE BOXES WATERPROOFING REPLACEMENT  
 CONTRACT NO. GS 18812

100% CONSTRUCTION DRAWINGS

 21351 RIDGETOP CIR. # 200 STERLING, VA 20156 (703) 450-0800 WWW.ALPHACORPORATION.COM	 PROFESSIONAL ENGINEER 2/20/2020	PROFESSIONAL CERTIFICATION <small>*PROFESSIONAL CERTIFICATION: I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO.: 21866, EXPIRATION DATE: 07-29-2020.*</small>	USER AGENCY  DEPARTMENT OF GENERAL SERVICES	 PROJECT MANAGER DESIGN SECTION	 CONSTRUCTION MANAGER CONSTRUCTION SECTION	 SECTION CHIEF DESIGN SECTION	 DIVISION CHIEF, DESIGN & CONSTRUCTION DIVISION	 DIRECTOR, DEPARTMENT OF GENERAL SERVICES	FEB. 20, 2020  SHEET <b>CS1.0</b>  SHEET 1 OF 25



1 VICINITY MAP  
NOT TO SCALE



2 LOCATION MAP  
NOT TO SCALE

**SCOPE OF WORK**

THE EXISTING BALTIMORE CONVENTION CENTER IS LOCATED AT 1 W. PRATT ST, BALTIMORE, MD 21201.

THE PROJECT CONSISTS OF REPAIRING THE WATERPROOFING OF EXISTING PLANTERS #1 THRU #8 (IDENTIFIED ON THE PLANTER BED KEY PLAN, SHEET W1.0). THE LANDSCAPING SCOPE CONSISTS OF REMOVING AND REPLACING THE EXISTING PLANTS, PLANTING MATERIAL, AND IRRIGATION PIPING WITHIN EACH PLANTER.

BASE BID SCOPE: REPAIR PLANTERS #2, #3, #6, #7, AND #8 (WEST BUILDING).

ALTERNATE BID SCOPE: REPAIR PLANERS #1, #4, AND #5 (EAST BUILDING).

**SHEET INDEX**

1 OF 25	CS1.0	COVER SHEET
2 OF 25	T1.0	SHEET INDEX & VICINITY MAP
3 OF 25	C1.0	SITE STAGING PLAN
4 OF 25	W0.0	GENERAL WATERPROOFING NOTES & SYMBOLS
5 OF 25	W1.0	PLANTER BED KEY PLAN
6 OF 25	W1.1	PLANTER BED #1 & #5 ENLARGED PLAN
7 OF 25	W1.2	PLANTER BED #2, #3 & #4 ENLARGED PLAN
8 OF 25	W1.3	PLANTER BED #6, #7 & #8 ENLARGED PLAN
9 OF 25	W2.1	PLANTER BED SECTIONS - DETAIL A THRU D
10 OF 25	W2.2	PLANTER BED SECTIONS - DETAIL A THRU C
11 OF 25	W2.3	PLANTER BED SECTIONS - DETAIL A THRU D
12 OF 25	W2.4	PLANTER BED SECTIONS - DETAIL A THRU B
13 OF 25	W3.1	TYPICAL WATERPROOFING SECTIONS
14 OF 25	W3.2	TYPICAL WATERPROOFING SECTIONS
15 OF 25	W4.1	WATERPROOFING DETAIL
16 OF 25	L1.1	EXISTING CONDITIONS PLAN
17 OF 25	L2.1	PLANTER 1 WEST LANDSCAPE PLAN & PLANTING MEDIUM SECTIONS
18 OF 25	L2.2	PLANTER 1 & 5 LANDSCAPE PLAN & PLANTING MEDIUM SECTIONS
19 OF 25	L2.3	PLANTER #4 LANDSCAPE PLAN & PLANTING MEDIUM SECTIONS
20 OF 25	L2.4	PLANTER #7 & #3 LANDSCAPE PLAN & PLANTING MEDIUM SECTIONS
21 OF 25	L2.5	PLANTER #6 LANDSCAPE PLAN & PLANTING MEDIUM SECTIONS
22 OF 25	L2.6	PLANTER #2 & #8 LANDSCAPE PLAN & PLANTING MEDIUM SECTIONS
23 OF 25	L3.1	PLANTING IRRIGATION PLAN
24 OF 25	L4.1	PLANTING DETAILS
25 OF 25	L4.2	MASTER PLANT SCHEDULE & PLANTING MEDIUM SCHEDULE

**ALPHA CORPORATION**  
21351 RIDGETOP CIR. # 200  
STERLING, VA 20166

PROFESSIONAL CERTIFICATION - HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A QUALIFIED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO.: 21886, EXPIRATION DATE: 07-29-2020



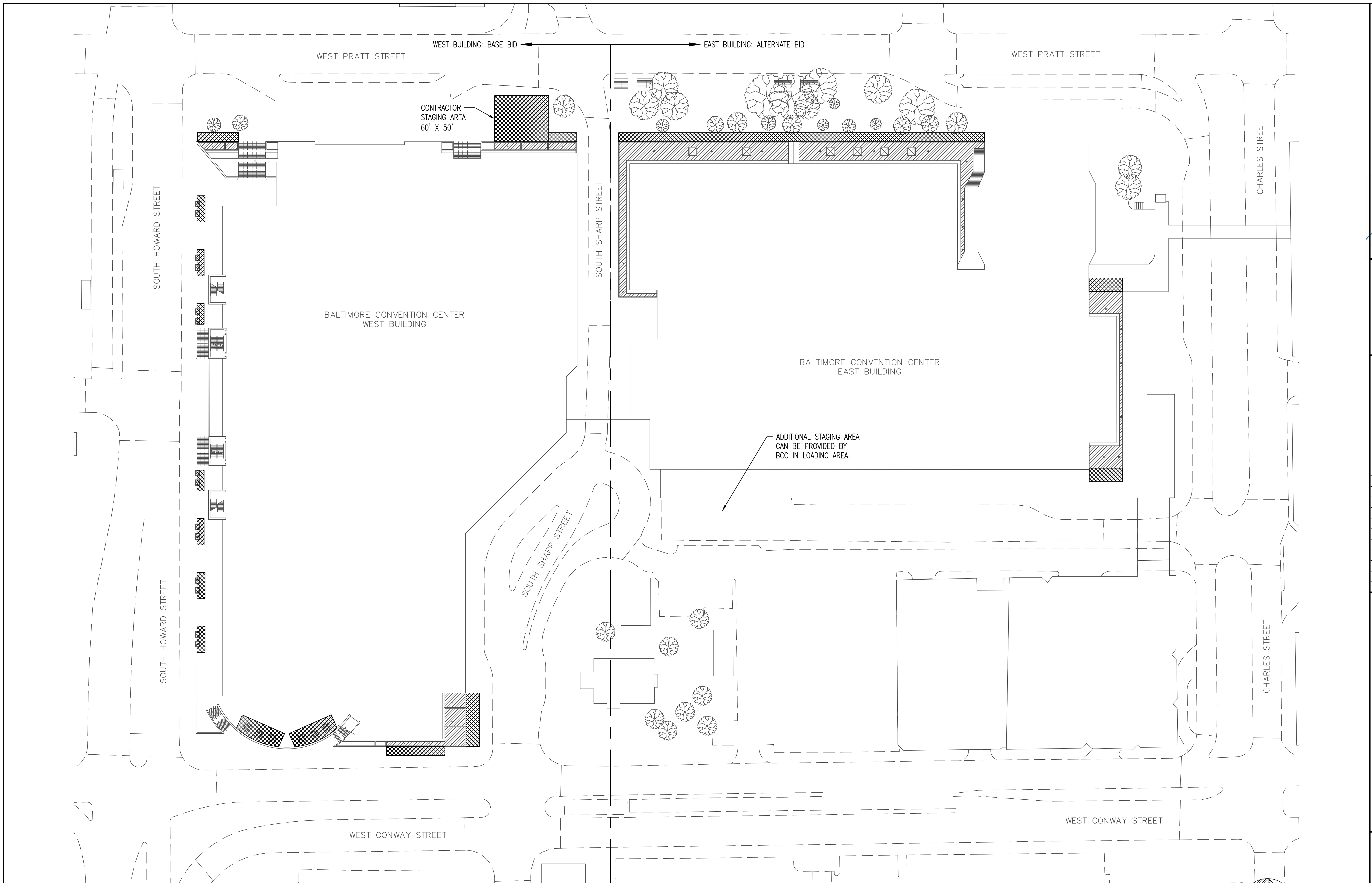
**CITY OF BALTIMORE**  
DEPARTMENT OF GENERAL SERVICES  
DESIGN AND CONSTRUCTION DIVISION

NO	DATE	DESCRIPTION

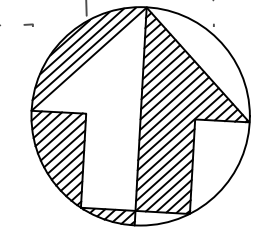
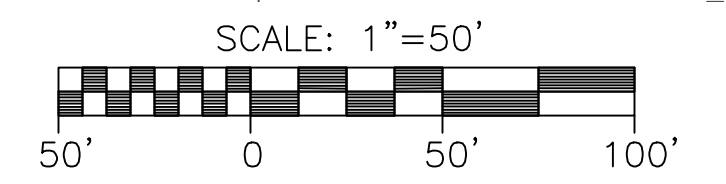
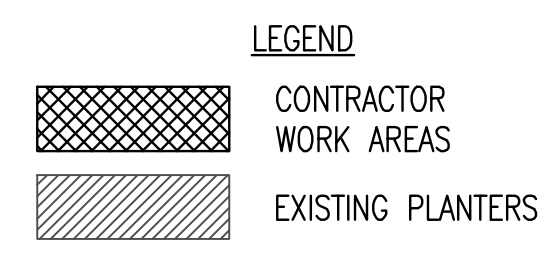
**THE BALTIMORE CONVENTION CENTER  
PLANTER BEDS & TREE BOXES  
WATERPROOFING REPLACEMENT**  
1 W PRATT STREET, BALTIMORE, MD 21201  
CONTRACT NO. CGS 18812

**SHEET INDEX & VICINITY MAP**

2/20/2020  
**SHEET T1.0**  
SHEET 2 OF 25



- NOTES:
- CONTRACTOR SHALL LIMIT CONSTRUCTION FENCING TO ONLY THE AREAS CROSS HATCHED ON THIS DRAWING. SEE CITY OF BALTIMORE STANDARD SPECIFICATIONS (GREEN BOOK) FOR FENCING, MAINTENANCE OF TRAFFIC, AND OTHER REQUIREMENTS.
  - CONTRACTOR SHALL BE RESPONSIBLE FOR REQUIRED PERMITS.



21351 RIDGETOP  
CIR. # 200  
STERLING, VA  
20166

PROFESSIONAL CERTIFICATION: I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A QUALIFIED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO.: 23860, EXPIRATION DATE: 07-29-2027.

SEAL



CITY OF BALTIMORE  
DEPARTMENT OF  
GENERAL SERVICES  
DESIGN AND  
CONSTRUCTION  
DIVISION

NO	DATE	DESCRIPTION

THE BALTIMORE CONVENTION CENTER  
PLANTER BEDS & TREE BOXES  
WATERPROOFING REPLACEMENT  
1 W PRATT STREET, BALTIMORE, MD 21201  
CONTRACT NO. GS 18812

SITE STAGING  
PLAN

2/20/2020  
**SHEET**  
**C1.0**  
SHEET 3  
OF 25

**CODES AND STANDARDS**

THE FOLLOWING CODES AND STANDARDS, INCLUDING ALL SPECIFICATIONS REFERENCED WITHIN, APPLY TO THE DESIGN AND CONSTRUCTION OF THIS PROJECT.

- 1. GENERAL:
  - a. CITY OF BALTIMORE STANDARD SPECIFICATION, 2006 EDITION. (GREEN BOOK)
  - b. SHA SPECIFICATION DATED JULY, 2008 – REVISION THEREOF AND ADDITIONS THERETO AND SPECIAL PROVISION FOR MATERIALS AND CONSTRUCTION.
  - c. INTERNATIONAL BUILDING CODE, 2015.
  - d. THE MARYLAND MODEL PERFORMANCE CODE, COMAR 05.02.01.

**MATERIALS**

ITEM	NOTES
1. MISCELLANEOUS:	
a. SELF-ADHERING WATERPROOFING	60-MIL NOMINAL THICKNESS, SEE ALSO SPECIFICATION 07 13 26
b. MOLDED-SHEET DRAINAGE PANELS	INCLUDE NON-WOVEN FILTER FABRIC, SHALL PROVIDE 15 GPM MIN FLOW/FT WIDTH AND 20,000 PSF MIN COMPRESSIVE STRENGTH

**EXISTING STRUCTURES**

ALL DIMENSIONS AFFECTED BY THE GEOMETRICS, AND/OR LOCATION OF THE EXISTING STRUCTURE(S) SHALL BE CHECKED IN THE FIELD BY THE CONTRACTOR, BEFORE ANY CONSTRUCTION IS DONE, AND BEFORE ANY MATERIAL IS ORDERED OR FABRICATED. IT SHALL BE RESPONSIBILITY OF THE CONTRACTOR TO SUPPLY THE ENGINEER WITH ALL FIELD DIMENSIONS REQUIRED TO CHECK DETAIL DRAWINGS.

**RESTRICTIONS FOR PLACING AND USING EQUIPMENT ON EXISTING OR NEW STRUCTURE/OR STORING MATERIALS ON/OR AGAINST STRUCTURES**

THERE ARE RESTRICTIONS ON PLACING EQUIPMENT ON EXISTING AND NEW STRUCTURE(S) AND STORING MATERIALS ON/OR AGAINST EXISTING AND NEW STRUCTURE(S) ELEMENTS. THE LIMITATIONS BASICALLY RELATE TO LOADS THAT ARE BEYOND MARYLAND'S LEGAL VEHICLES AND/OR THE STRUCTURE'S LIMITS AND MATERIALS STOCKPILED ON/OR AGAINST STRUCTURE'S OR STRUCTURES' ELEMENTS. FOR DETAILS OF SUCH RESTRICTIONS SEE SECTION TC 6.14 TITLED "RESTRICTIONS FOR PLACING AND USING EQUIPMENT ON STRUCTURES, OR STORING MATERIALS ON/OR AGAINST STRUCTURES" IN THE CONTRACT DOCUMENTS. IN ORDER TO COMPLY WITH THIS ARTICLE, THE CONTRACTOR SHALL READ SECTION TC 6.14 PRIOR TO COMMENCING ANY WORK ON STRUCTURE(S) IN THIS CONTRACT. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY AND ALL DAMAGE RESULTING FROM OVERLOADING THE EXISTING STRUCTURE. DRAWINGS, SIGNED AND SEALED BY A STRUCTURAL ENGINEER, SHALL BE SUBMITTED TO THE ENGINEER OF RECORD FOR ALL SHORING.

**GENERAL NOTES**

- 1. ALL DETAILS, SECTIONS, AND NOTES SHOWN ON THE DRAWINGS ARE INTENDED TO BE TYPICAL AND SHALL APPLY TO SIMILAR SITUATIONS, UNO.
- 2. DO NOT SCALE DRAWINGS.
- 3. NO CHANGE IN SIZE, DIMENSION OR POSITION OF STRUCTURAL ELEMENTS SHALL BE MADE WITHOUT THE APPROVAL OF THE STRUCTURAL ENGINEER.
- 4. FIELD VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS BEFORE STARTING CONSTRUCTION AND/OR SUBMITTING SHOP DRAWINGS. ANY DISCREPANCIES SHALL BE REPORTED TO THE STRUCTURAL ENGINEER.
- 5. SUBMIT DIMENSIONED COORDINATED SHOP DRAWINGS SHOWING THE LOCATIONS OF ALL SLEEVES AND OPENINGS REQUIRED BY ALL TRADES THROUGH STRUCTURAL ELEMENTS. ANY ADDITIONAL OPENINGS NOT SHOWN ON SHOP DRAWINGS WILL REQUIRE WRITTEN APPROVAL OF THE STRUCTURAL ENGINEER.
- 6. TAKE ALL MEASURES NECESSARY TO PROTECT EXISTING AND NEW UTILITIES AND BUILDINGS AND ASSUME FULL RESPONSIBILITY FOR ANY DAMAGE DURING CONSTRUCTION. RESTORATION OF DAMAGED AREAS SHALL BE TO THE SATISFACTION OF THE OWNER, AT NO COST TO THE OWNER.
- 7. DO NOT REPRODUCE ANY PORTION OF THE STRUCTURAL CONTRACT DRAWINGS FOR RESUBMITTAL AS SHOP DRAWINGS. SHOP DRAWINGS PRODUCED IN SUCH A MANNER WILL BE REJECTED AND RETURNED.
- 8. COMPLETE WORK PER THE "CITY OF BALTIMORE DEPARTMENT OF PUBLIC WORKS SPECIFICATIONS 'GREEN BOOK', 2006" UNLESS OTHERWISE NOTED.
- 9. CONTRACTOR TO CLEAN AND DISPOSE OF ALL DEBRIS FROM SIDEWALK DAILY.

**SEDIMENT AND EROSION CONTROL NOTES**

- 1. THE CONTRACTOR WILL COMPLY WITH ALL REQUIREMENTS OF SEDIMENT AND EROSION CONTROL AS SET FORTH IN THE MARYLAND SEDIMENT AND EROSION MANUAL AND BALTIMORE CITY CODE ARTICLE 7.
- 2. SUBMIT A WRITTEN NOTIFICATION TO: THE DEPARTMENT OF PUBLIC WORKS, SURFACE WATER MANAGEMENT DIVISION: 3001 DRUID PARK DRIVE, ROOM 228, BALTIMORE, MD 21215, PHONE NUMBER, 410-396-0732, FAX 410-523-9047, SWM@BALTIMORECITY.GOV, AT LEAST 72 HOURS PRIOR TO START OF CONSTRUCTION STATING:
  - a. WHEN CONTRACTOR INTENDS TO BEGIN CONSTRUCTION
  - b. DISPOSAL AREA OF SITE MATERIAL
  - c. CONTRACTOR'S TENTATIVE CLOSING DATE.
- 3. INITIAL DISTURBANCE WILL BE LIMITED TO THAT NECESSARY TO GAIN ENTRANCE TO THE SITE AND INSTALL NECESSARY SEDIMENT CONTROLS AS PER THE APPROVED PLANS.
- 4. ALL SEDIMENT CONTROLS AND CRITICAL SLOPES MUST BE STABILIZED WITHIN THREE CALENDAR DAYS. ALL OTHER INACTIVE DISTURBED AREAS ON THE PROJECT SITE MUST BE STABILIZED WITHIN SEVEN CALENDAR DAYS.
- 5. ALL EXCAVATED MATERIAL SHALL BE PLACED ON THE HIGH SIDE WHENEVER POSSIBLE AND CONFINED TO AN AREA WHERE IT WILL NOT BE OBSTRUCT THE NORMAL COURSE OF DRAINAGE.
- 6. PUMPING OF SEDIMENT LADEN WATER WILL NOT BE ALLOWED UNLESS IT IS FILTERED BY WAY OF AN APPROVED SEDIMENT TRAPPING DEVICE.
- 7. CONTINUOUS INSPECTION AND MAINTENANCE OF ALL SEDIMENT CONTROL DEVICES IS MANDATORY.
- 8. ANY SEDIMENT CONTROL DEVICES DISTURBED DURING UTILITY CONSTRUCTION MUST BE RESTORED IMMEDIATELY.
- 9. ALL POINTS OF INGRESS AND EGRESS SHALL BE PROTECTED TO MINIMIZE TRACKING OF MUD ON TO PUBLIC RIGHT-OF-WAYS.
- 10. ANY EARTH, GRAVEL, AND/OR OTHER MATERIAL TRACKED, SPILLED OR WASHED ON TO ADJACENT ROADS MUST BE IMMEDIATELY REMOVED AND DISPOSED OF IN A PROPER MANNER. NO FLUSHING WILL NOT BE PERMITTED. ALL MATERIAL MUST BE REMOVED BY MEANS OF SHOVELING AND SWEEPING.
- 11. ON ALL SITES WITH DISTURBED AREAS IN EXCESS OF 5,000 SQ. FT , THE CONTRACTOR SHALL HAVE A BALTIMORE CITY EROSION AND SEDIMENT CONTROL INSPECTOR INSPECT AND APPROVE THE WORK COMPLETED AT THE STAGES OF CONSTRUCTION SPECIFIED BELOW:
  - a. UPON COMPLETION OF THE INSTALLATION OF THE PERIMETER SEDIMENT CONTROLS;
  - b. DURING ALL GRADING AND BUILDING OPERATIONS;
  - c. UPON FINAL STABILIZATION OF THE ENTIRE SITE PRIOR TO REMOVAL OF THE SEDIMENT CONTROLS
- 12. THE CONTRACTOR SHALL NOT DEVIATE FROM THE APPROVED SEDIMENT AND EROSION CONTROL PLAN WITHOUT FIRST RECEIVING APPROVAL FROM THE SURFACE WATER MANAGEMENT DIVISION. VARIATIONS TO THE ORIGINAL PLAN MUST BE SUBMITTED IN WRITING WITH ALL PROPOSED MODIFICATIONS STILL BEING HIGHLIGHTED. SUBSTANTIAL CHANGES WILL NECESSITATE AMENDMENT OF THE GRADING /BUILDING PERMIT.

**BALTIMORE CITY SEDIMENT CONTROL**

TITLE 4, SUBTITLE 1 ENVIRONMENT, ANNOTATED CODE OF MARYLAND AND BALTIMORE CITY ORDINANCE 1013, REQUIRE THAT PROVISIONS TO CONTROL EROSION AND SEDIMENT SHALL BE INCLUDED FOR ALL CITY LAND DISTURBANCE. AS REQUIRED BY STATE LAW, CONSTRUCTION CANNOT BE STARTED UNTIL SUCH EROSION AND SEDIMENT CONTROL PROVISIONS ARE APPROVED.

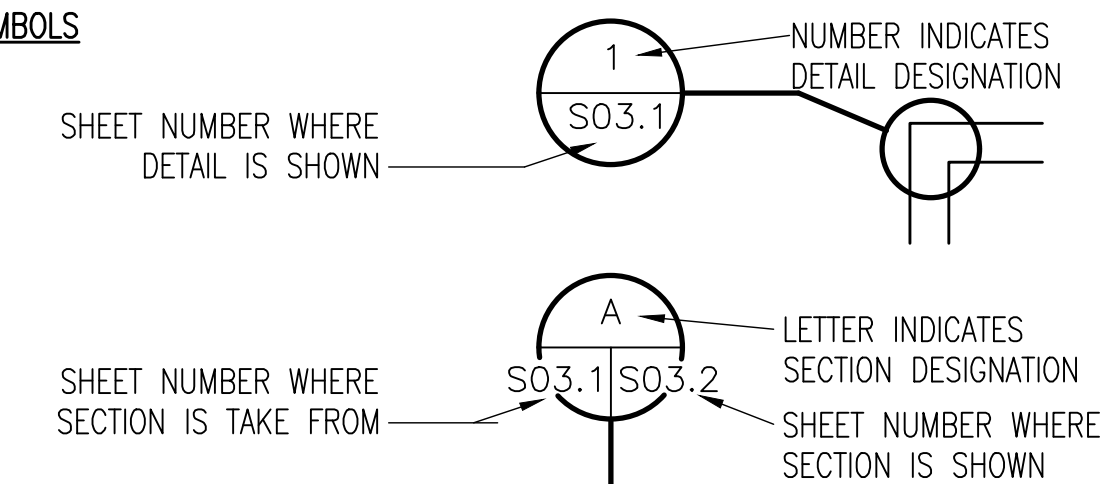
THE CONTRACTOR MUST FILTER ALL RUN-OFF AND CONTROL ALL SEDIMENT WITHIN THE PROJECT. ALL WORK MUST COMPLY WITH ALL REQUIREMENTS OF THE "BALTIMORE CITY EROSION AND SEDIMENT CONTROL MANUAL" AND THE "2011 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL", AS DISTRIBUTED AND MODIFIED BY THE BALTIMORE CITY ENVIRONMENTAL ENGINEERING SECTION.

NOTHING HEREIN RELIEVES THE CONTRACTOR FROM COMPLYING WITH ANY ALL OTHER FEDERAL, STATE OR MUNICIPAL REGULATIONS.

**ABBREVIATIONS**

ACI	AMERICAN CONCRETE INSTITUTE	ICRI	INTERNATIONAL CONC REPAIR INSTITUTE
ADD'L	ADDITIONAL	K	KIP
AE	AIR-ENTRAINED	LBS	POUND
AISC	AMERICAN INSTITUTE OF STEEL CONSTRUCTION ARCHITECTURAL	LLH	LONG LEG HORIZ
ARCH	ARCHITECTURAL	LLV	LONG LEG VERT
ASCE	AMERICAN SOCIETY OF CIVIL ENGINEERS	MAX	MAXIMUM
ASTM	AMERICAN SOCIETY FOR TESTING & MATERIALS	MANUF	MANUFACTURER
AWS	AMERICAN WELDING SOCIETY	MECH	MECHANICAL
B/	BOTTOM OF PLANTER FROM TOP OF SOIL	MEP	MECH/ELECT/PLUMBING
BLDG	BUILDING	MIN	MINIMUM
BOT	BOTTOM	MOD	MODIFIED
BP	BASE PLATE	MPH	MILES PER HOUR
CLR	CLEAR	NLWT	NORMAL WEIGHT
CMU	CONCRETE MASONRY UNIT	(N)	NEW
COL	COLUMN	O.C.	ON CENTER
CONC	CONCRETE	OPNG	OPENING
CONT	CONTINUOUS	OPP	OPPOSITE
DIA	DIAMETER	PL	PLATE
EA	EACH	PSF	POUNDS PER SQUARE FOOT
EF	EACH FACE	PSI	POUNDS PER SQUARE INCH
ELEV	ELEVATION	REINF	REINFORCING OR REINFORCEMENT
EMBED	EMBEDMENT	REQ'D	REQUIRED
EQ	EQUAL	RO	ROUGH OPENING
EW	EACH WAY	SCHED	SCHEDULE
(E)	EXISTING	SIM	SIMILAR
EX	EXISTING	SOG	SLAB-ON-GRADE
EXP	EXPANSION	SS	STAINLESS STEEL
FT	FEET	T/	TOP OF PLANTER
GALV	GALVANIZE	TYP	TYPICAL
HORIZ	HORIZONTAL	UNO	UNLESS NOTED OTHERWISE
		VERT	VERTICAL
		VIF	VERIFY IN FIELD
		W/	WITH
		WWF	WELDED WIRE FABRIC

**SYMBOLS**



21351 RIDGETOP  
CIR. # 200  
STERLING, VA  
20166

PROFESSIONAL CERTIFICATION - HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO.: 21866. EXPIRATION DATE: 07-31-2024

SEAL



CITY OF BALTIMORE  
DEPARTMENT OF  
GENERAL SERVICES  
DESIGN AND  
CONSTRUCTION  
DIVISION

NO	DATE	DESCRIPTION

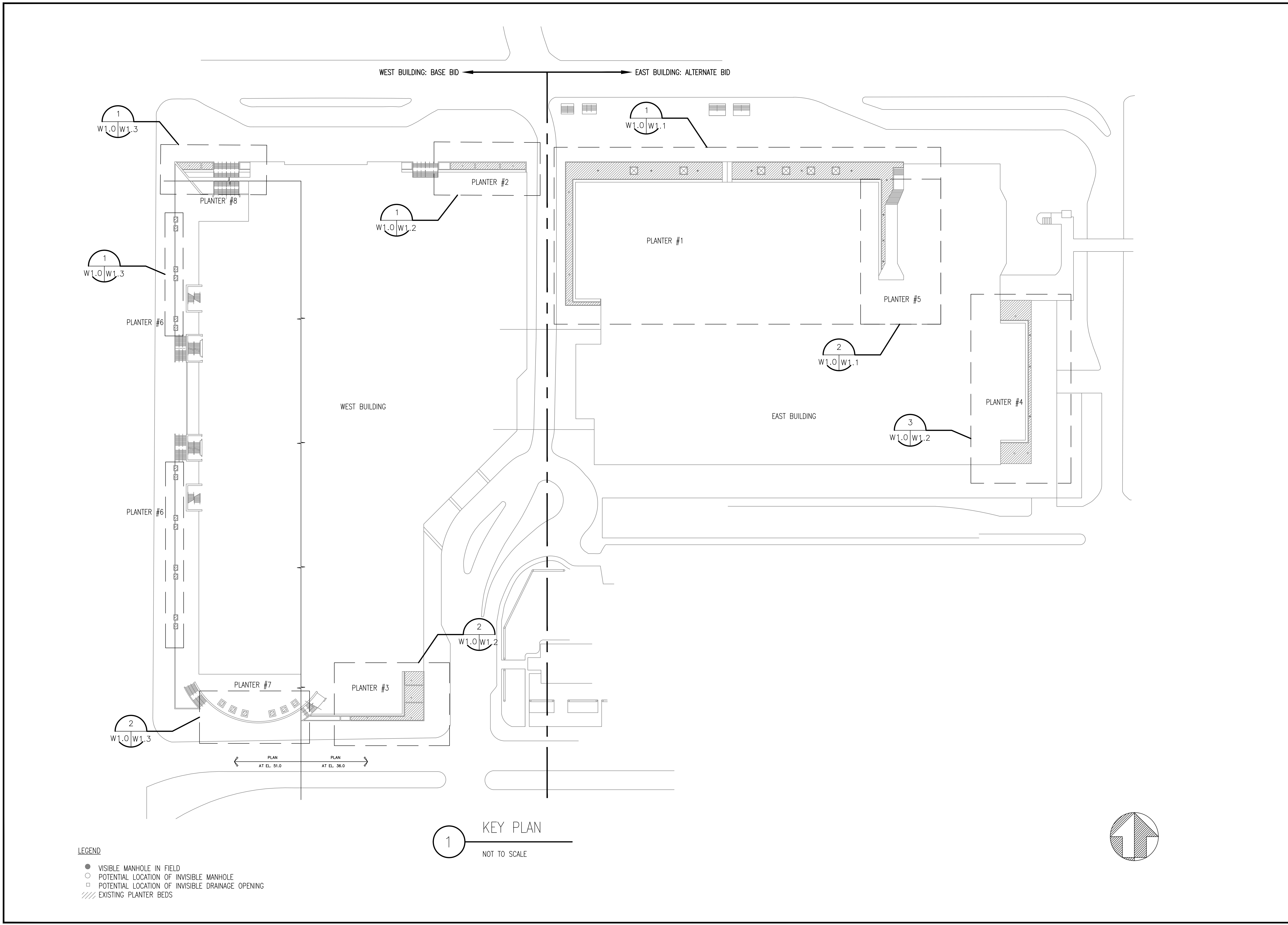
THE BALTIMORE CONVENTION CENTER  
PLANTER BEDS & TREE BOXES  
WATERPROOFING REPLACEMENT  
1 W PRATT STREET, BALTIMORE, MD 21201  
CONTRACT NO. CS 18812

GENERAL NOTES & SYMBOLS

2/20/2020

SHEET WO.0

SHEET 4 OF 25



LEGEND

- VISIBLE MANHOLE IN FIELD
- POTENTIAL LOCATION OF INVISIBLE MANHOLE
- POTENTIAL LOCATION OF INVISIBLE DRAINAGE OPENING
- /// EXISTING PLANTER BEDS

**1** KEY PLAN  
NOT TO SCALE



21351 RIDGETOP  
CIR. # 200  
STERLING, VA  
20166

PROFESSIONAL CERTIFICATION: HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A QUALIFIED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO.: 21886. EXPIRATION DATE: 07-29-2024

SEAL



CITY OF BALTIMORE  
DEPARTMENT OF  
GENERAL SERVICES  
DESIGN AND  
CONSTRUCTION  
DIVISION

NO	DATE	DESCRIPTION

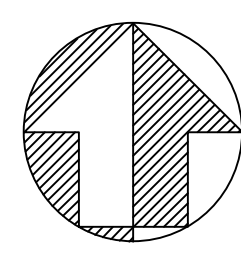
THE BALTIMORE CONVENTION CENTER  
PLANTER BEDS & TREE BOXES  
WATERPROOFING REPLACEMENT  
1 W PRATT STREET, BALTIMORE, MD 21201  
CONTRACT NO. GS 18812

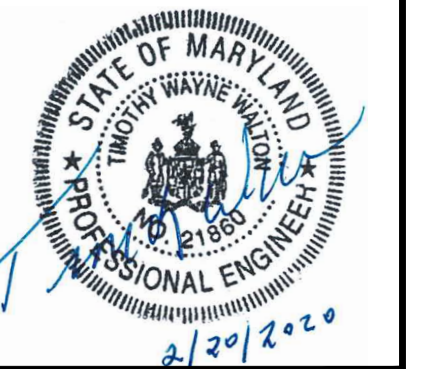
PLANTER BED  
KEY PLAN

2/20/2020

SHEET  
W1.0

SHEET 5  
OF 25





NO.	DATE	DESCRIPTION

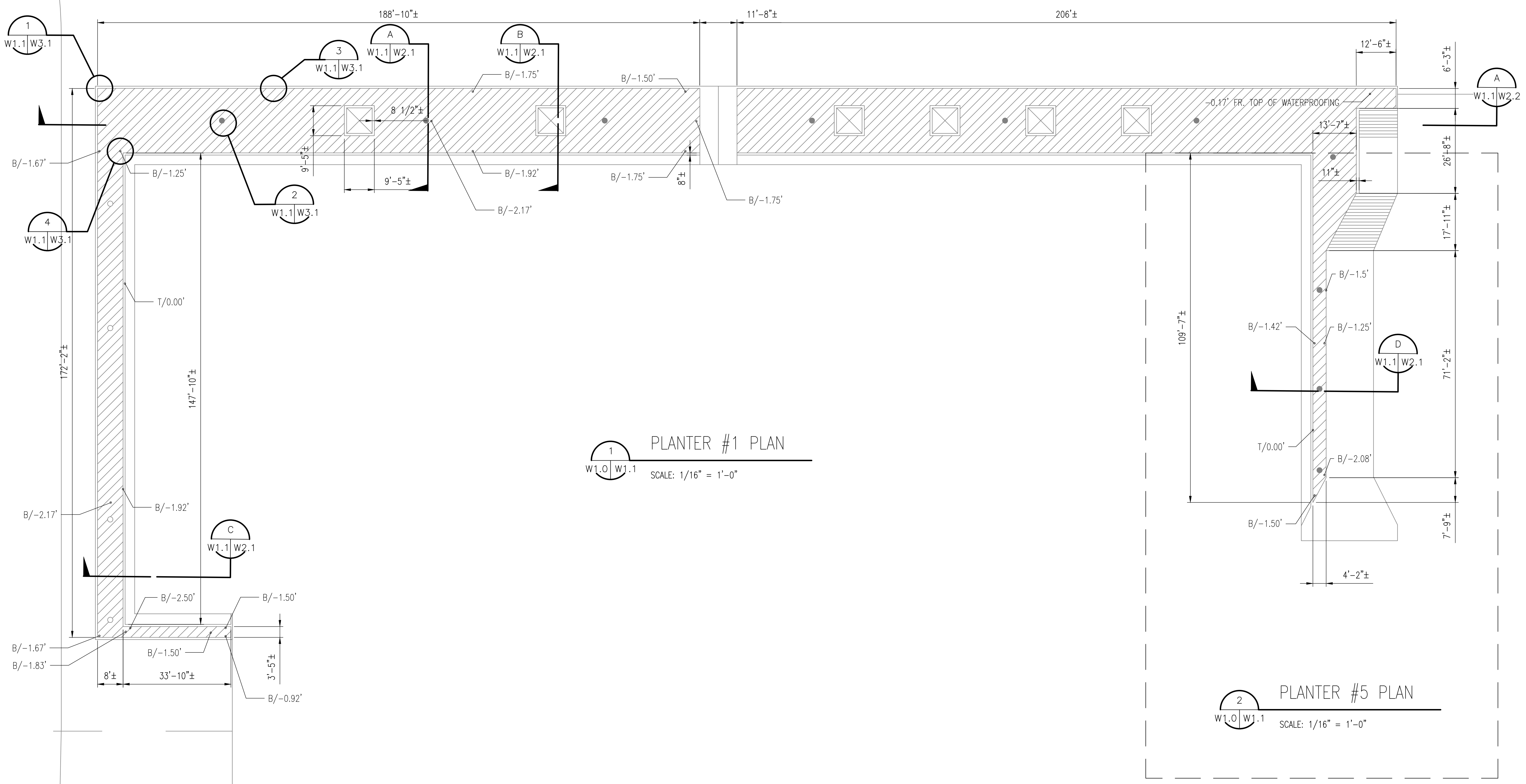
THE BALTIMORE CONVENTION CENTER  
PLANTER BEDS & TREE BOXES  
WATERPROOFING REPLACEMENT  
1 W PRATT STREET, BALTIMORE, MD 21201  
CONTRACT NO. CG 16818

PLANTER BED #1 & #5 ENLARGED PLAN

2/5/2020

SHEET W1.1

SHEET 6 OF 25



1 PLANTER #1 PLAN  
SCALE: 1/16" = 1'-0"

2 PLANTER #5 PLAN  
SCALE: 1/16" = 1'-0"

- LEGEND**
- VISIBLE MANHOLE IN FIELD
  - POTENTIAL LOCATION OF SUBSURFACE MANHOLE (VIF)
  - POTENTIAL LOCATION OF SUBSURFACE OPENING (VIF)
  - ▨ EXISTING PLANTER BEDS
  - INDICATES EXISTING CONSTRUCTION
  - INDICATES NEW CONSTRUCTION

**NOTE**

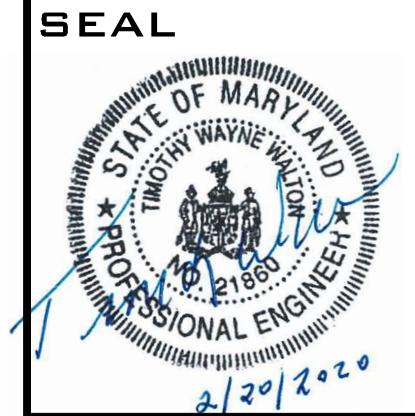
PLANTER BOTTOM (B/) ELEVATIONS ARE APPROXIMATE DEPTHS BELOW TOP OF PLANTING SOIL AT LOCATIONS SHOWN (VIF). TOP OF SOIL DOES NOT EQUAL TO OF PLANTER PERIMETER WALL (VIF).

PLANTERS #1 AND #5 ARE UNDER THE ALTERNATE BID SCOPE.



21351 RIDGETOP  
CIR. # 200  
STERLING, VA  
20166

PROFESSIONAL CERTIFICATION - HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A QUALIFIED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO.: 21886. EXPIRATION DATE: 07-29-2020



NO	DATE	DESCRIPTION

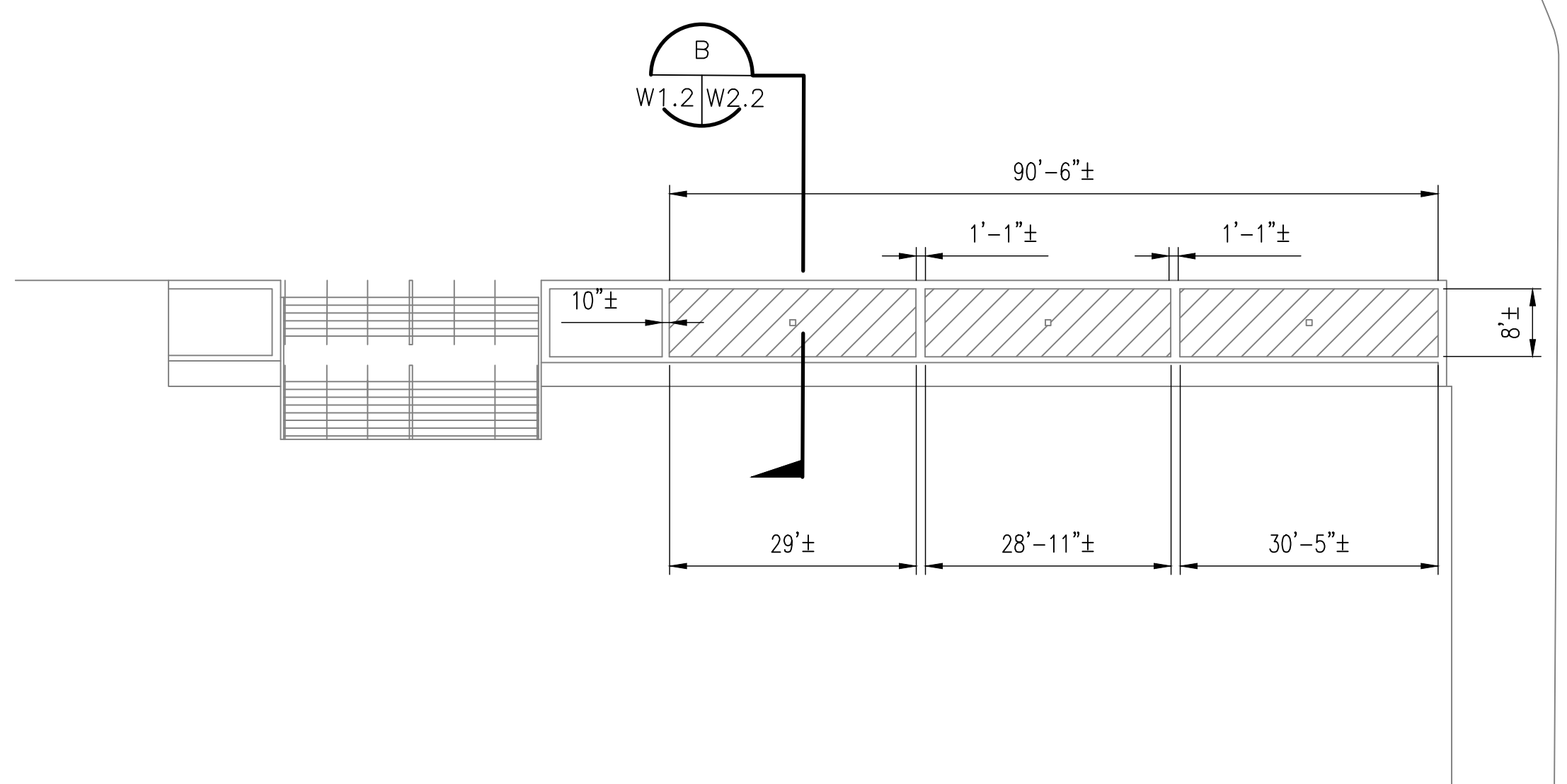
THE BALTIMORE CONVENTION CENTER  
PLANTER BEDS & TREE BOXES  
WATERPROOFING REPLACEMENT  
1 W PRATT STREET, BALTIMORE, MD 21201  
CONTRACT NO. GS 18812

PLANTER BED  
#2, #3 & #4  
ENLARGED  
PLAN

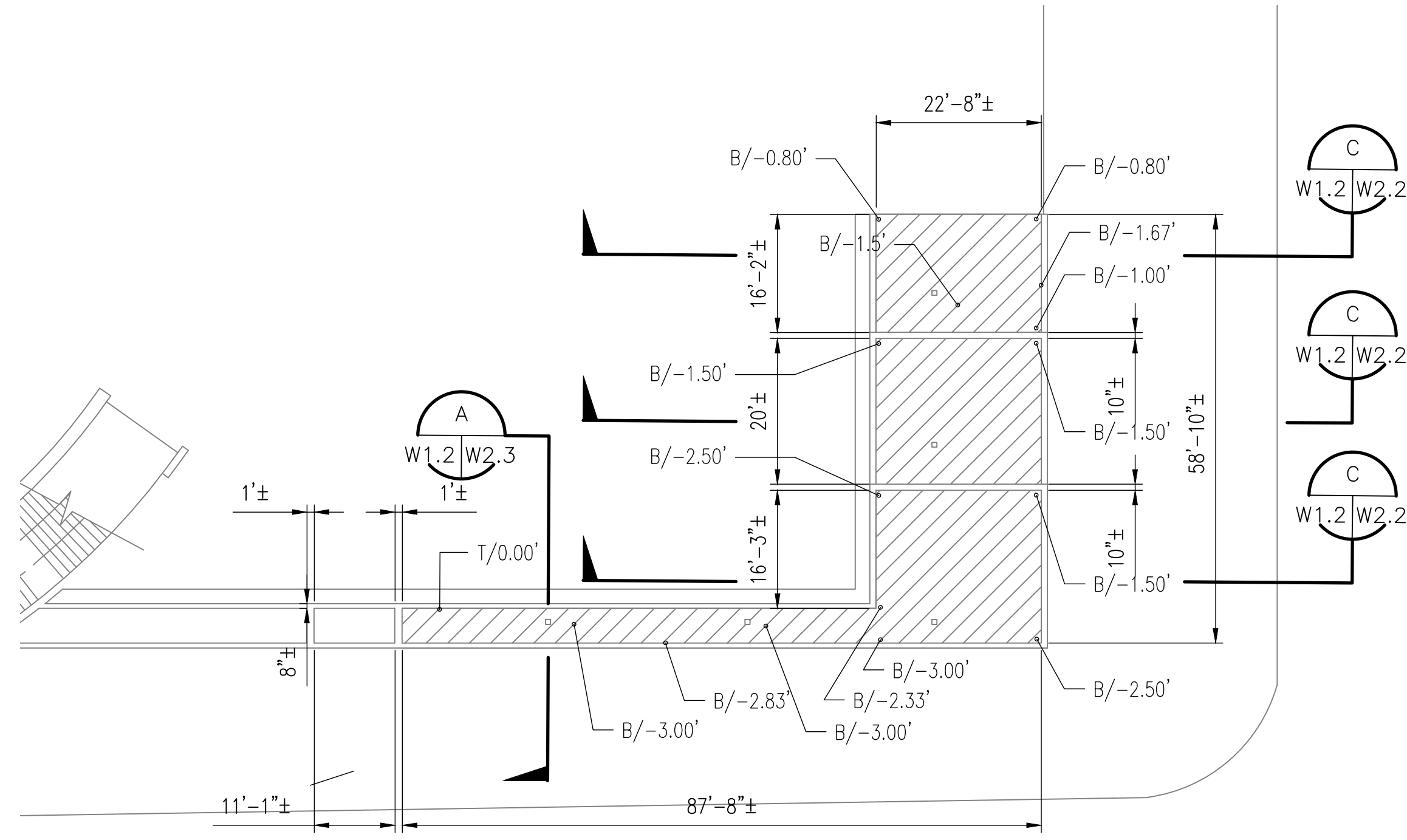
2/20/2020

SHEET  
W1.2

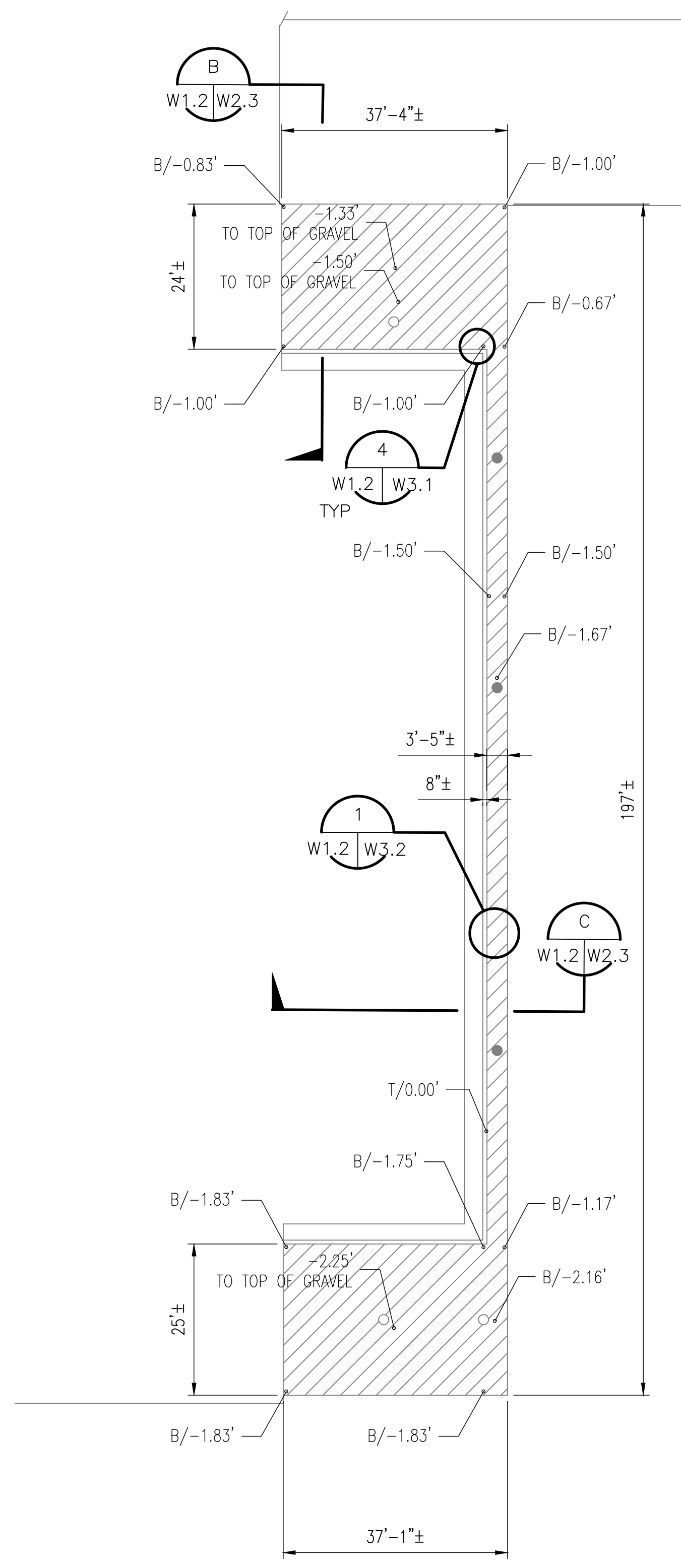
SHEET 7  
OF 25



1 PLANTER #2 PLAN  
W1.0 | W1.2 SCALE: 1/16" = 1'-0"



2 PLANTER #3 PLAN  
W1.0 | W1.2 SCALE: 1/16" = 1'-0"



3 PLANTER #4 PLAN  
W1.0 | W1.2 SCALE: 1/16" = 1'-0"

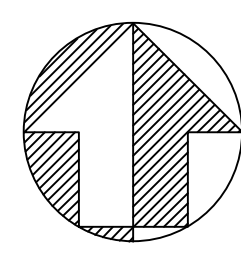
NOTE

PLANTER BOTTOM (B/) ELEVATIONS ARE APPROXIMATE DEPTHS BELOW TOP OF PLANTING SOIL AT LOCATIONS SHOWN (VIF). TOP OF SOIL DOES NOT EQUAL TO OF PLANTER PERIMETER WALL (VIF).

PLANTERS #2 AND #3 ARE UNDER THE BASE BID SCOPE.  
PLANTER #4 IS UNDER THE ALTERNATE BID SCOPE.

LEGEND

- VISIBLE MANHOLE IN FIELD
- POTENTIAL LOCATION OF SUBSURFACE MANHOLE (VIF)
- POTENTIAL LOCATION OF SUBSURFACE OPENING (VIF)
- ▨ EXISTING PLANTER BEDS
- INDICATES EXISTING CONSTRUCTION
- INDICATES NEW CONSTRUCTION

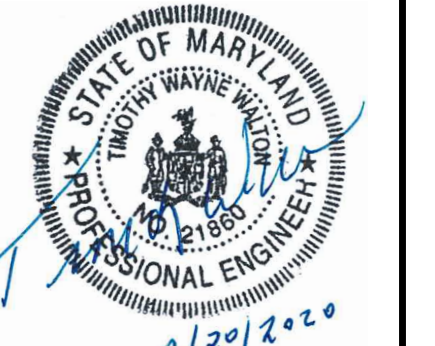




21351 RIDGETOP  
CIR. # 200  
STERLING, VA  
20166

PROFESSIONAL CERTIFICATION: I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A QUALIFIED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO.: 21866. EXPIRATION DATE: 07-29-2020

SEAL



CITY OF BALTIMORE  
DEPARTMENT OF  
GENERAL SERVICES  
DESIGN AND  
CONSTRUCTION  
DIVISION

NO	DATE	DESCRIPTION

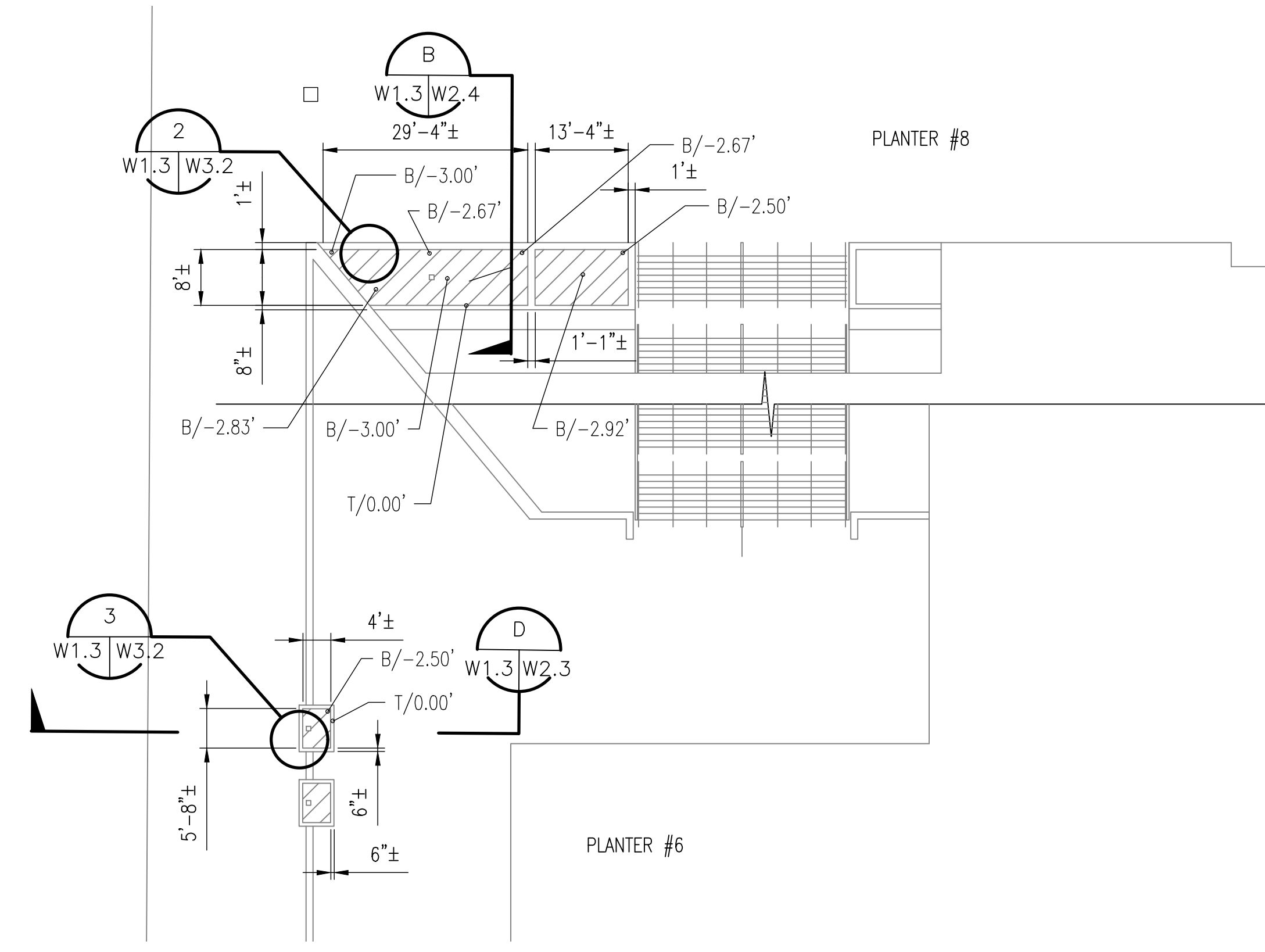
THE BALTIMORE CONVENTION CENTER  
PLANTER BEDS & TREE BOXES  
WATERPROOFING REPLACEMENT  
1 W PRATT STREET, BALTIMORE, MD 21201  
CONTRACT NO. GS 18812

PLANTER BED  
#6, #7 & #8  
ENLARGED  
PLAN

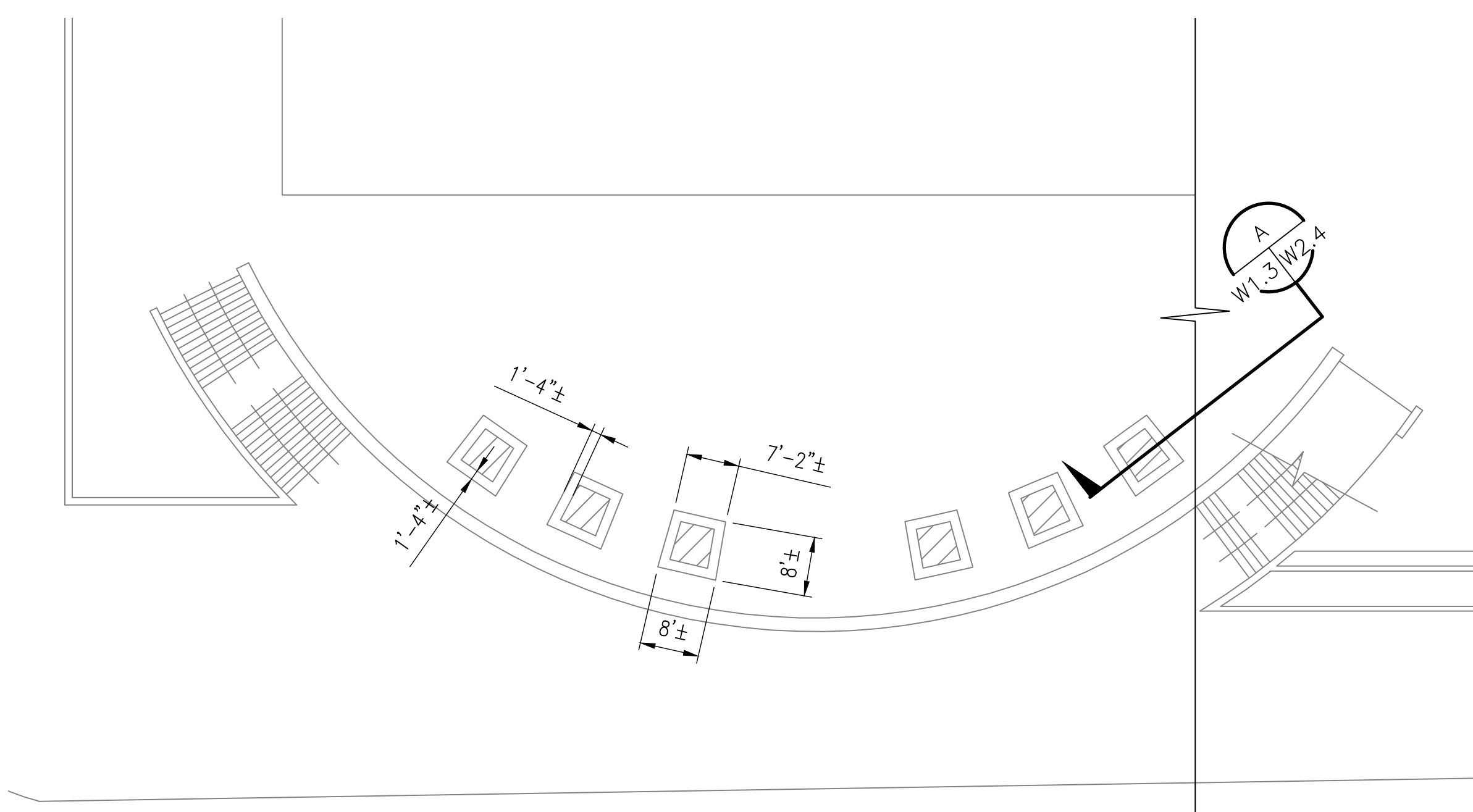
2/20/2020

SHEET  
W1.3

SHEET 8  
OF 25



1 PLANTER #6 & #8 PLAN  
SCALE: 1/16" = 1'-0"



2 PLANTER #7 PLAN  
SCALE: 1/16" = 1'-0"

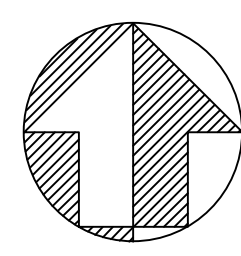
NOTE

PLANTER BOTTOM (B/) ELEVATIONS ARE APPROXIMATE DEPTHS BELOW TOP OF PLANTING SOIL AT LOCATIONS SHOWN (VIF). TOP OF SOIL DOES NOT EQUAL TO OF PLANTER PERIMETER WALL (VIF).

PLANTERS #6, #7, AND #8 ARE UNDER THE BASE BID SCOPE.

LEGEND

- VISIBLE MANHOLE IN FIELD
- POTENTIAL LOCATION OF SUBSURFACE MANHOLE (VIF)
- POTENTIAL LOCATION OF SUBSURFACE OPENING (VIF)
- /// EXISTING PLANTER BEDS
- INDICATES EXISTING CONSTRUCTION
- INDICATES NEW CONSTRUCTION



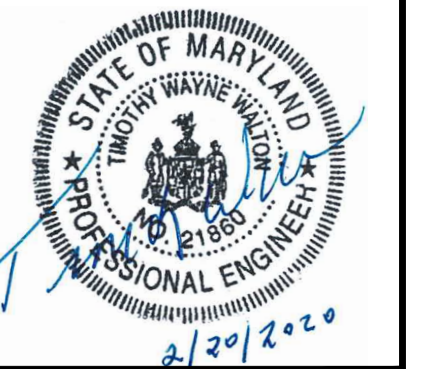




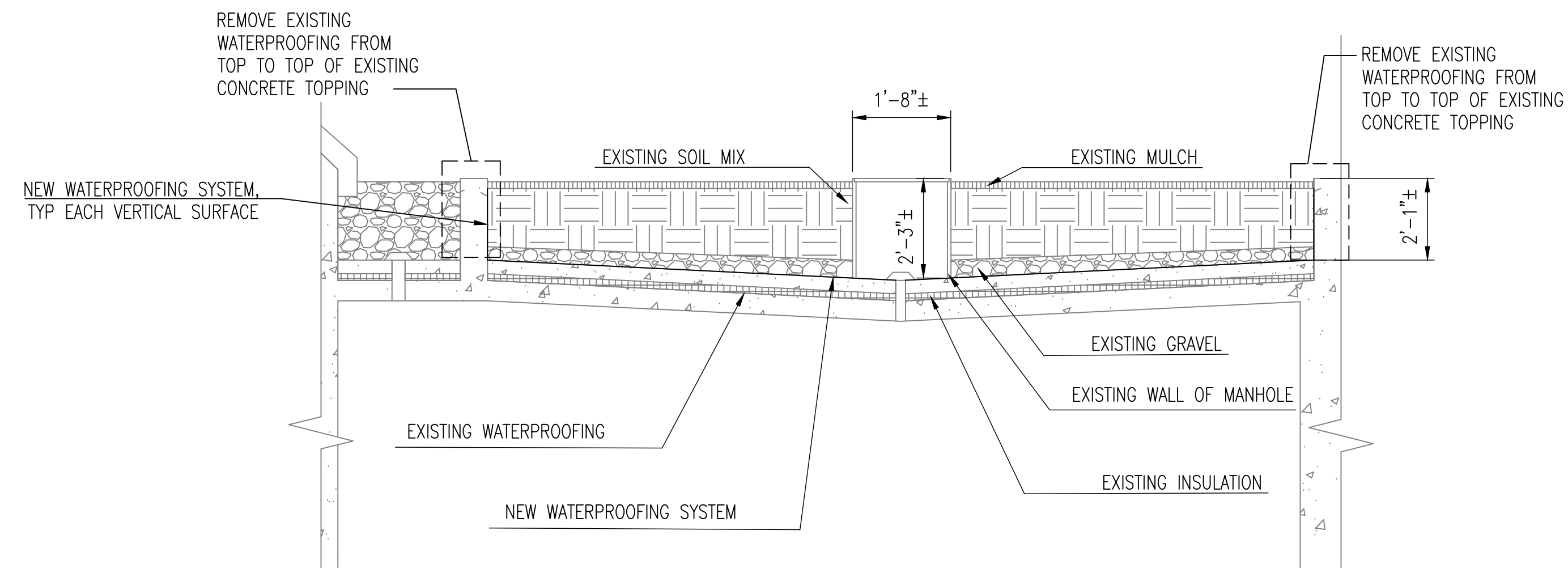
21351 RIDGETOP  
CIR. # 200  
STERLING, VA  
20166

PROFESSIONAL CERTIFICATION - HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A FULLY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO.: 21886. EXPIRATION DATE: 07-29-2020

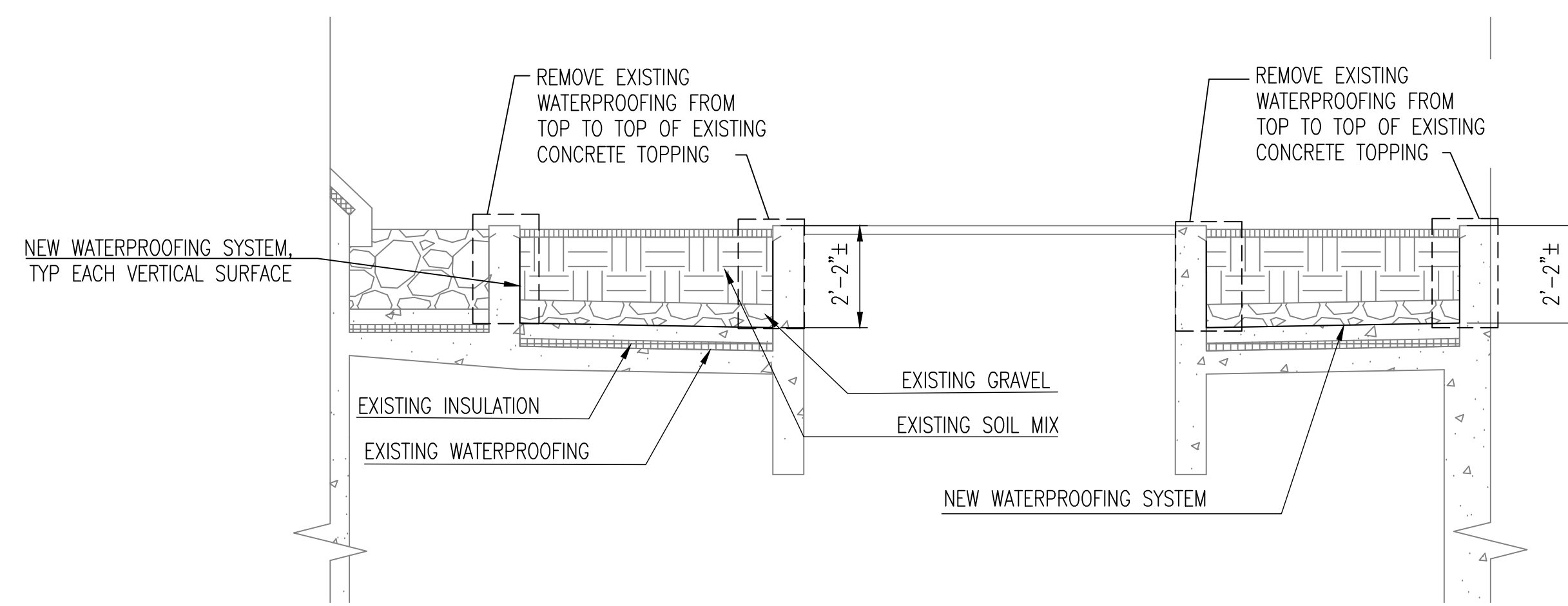
SEAL



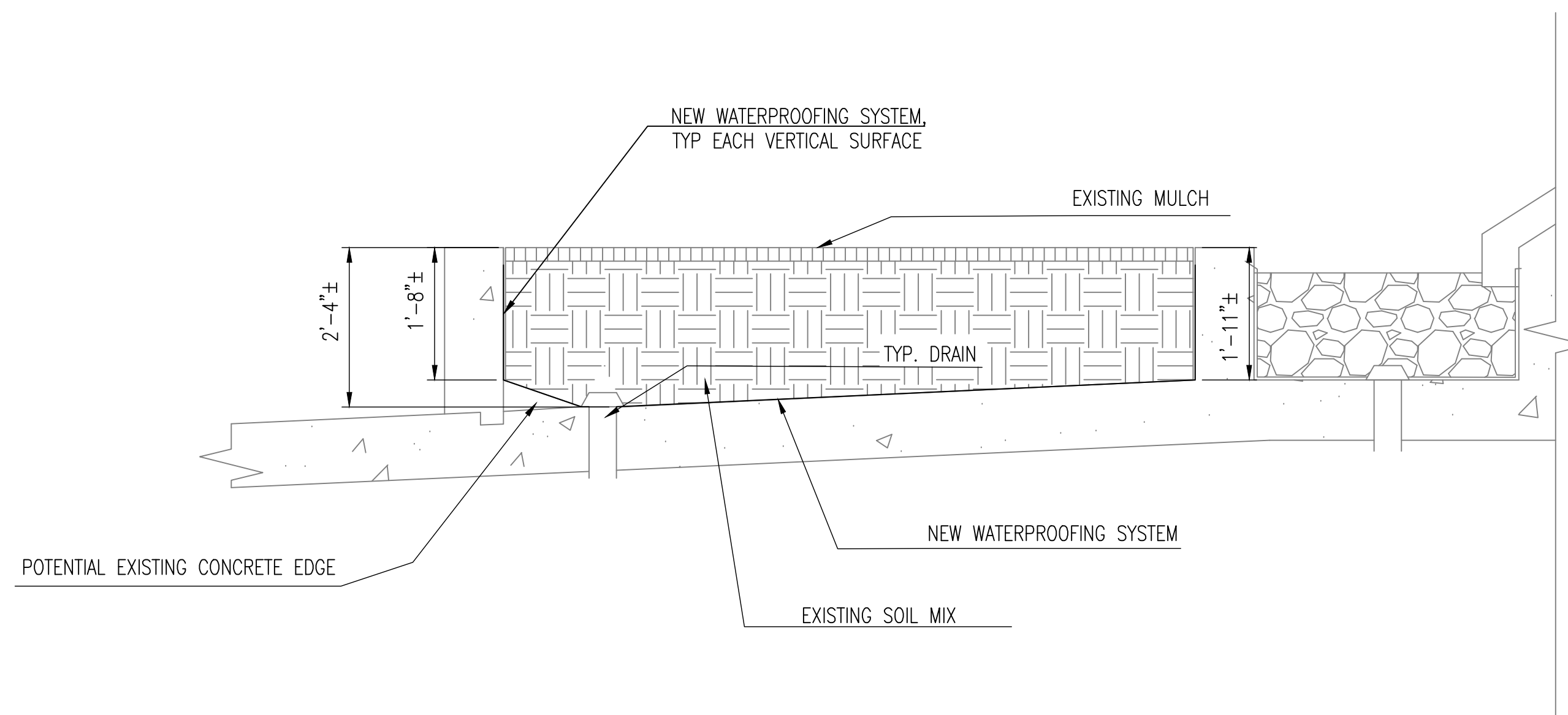
CITY OF BALTIMORE  
DEPARTMENT OF  
GENERAL SERVICES  
DESIGN AND  
CONSTRUCTION  
DIVISION



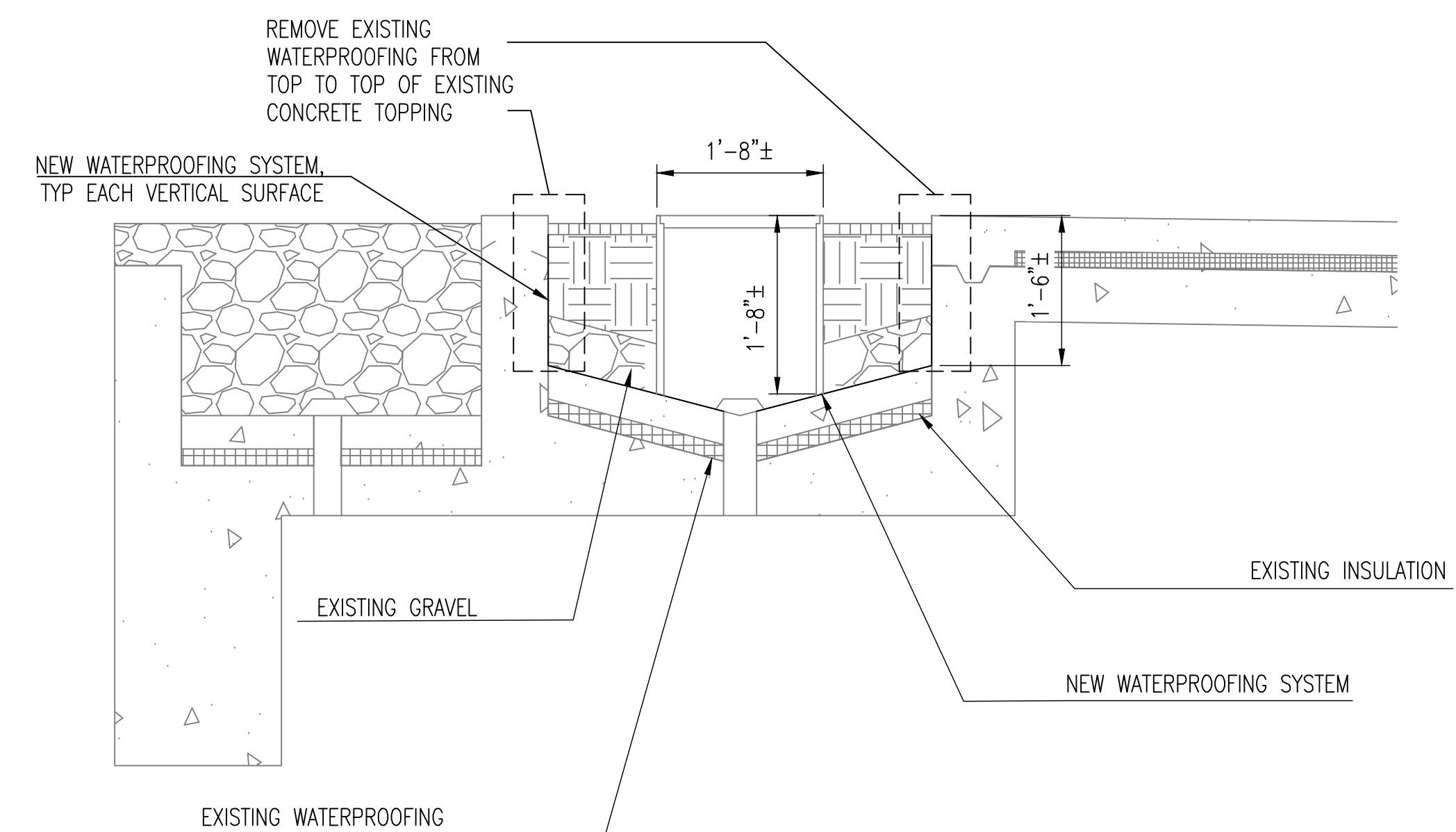
**A** SECTION A AT EXISTING PLANTER #1  
W1.1 | W2.1 NOT TO SCALE



**B** SECTION B AT EXISTING PLANTER #1  
W1.1 | W2.1 NOT TO SCALE



**C** SECTION C AT EXISTING PLANTER #1  
W1.1 | W2.1 NOT TO SCALE



**D** SECTION D AT EXISTING PLANTER #5  
W1.1 | W2.1 NOT TO SCALE

**LEGEND**  
 \_\_\_\_\_ INDICATES EXISTING CONSTRUCTION  
 \_\_\_\_\_ INDICATES NEW WATERPROOFING

**NOTE**  
 PLANTERS #1 AND #5 ARE UNDER THE ALTERNATE BID SCOPE.

NO	DATE	DESCRIPTION

THE BALTIMORE CONVENTION CENTER  
PLANTER BEDS & TREE BOXES  
WATERPROOFING REPLACEMENT  
1 W PRATT STREET, BALTIMORE, MD 21201  
CONTRACT NO. - GS 18812

PLANTER BED SECTIONS -  
DETAIL A THRU D

2/20/2020  
**SHEET**  
**W2.1**  
 SHEET 9  
 OF 25



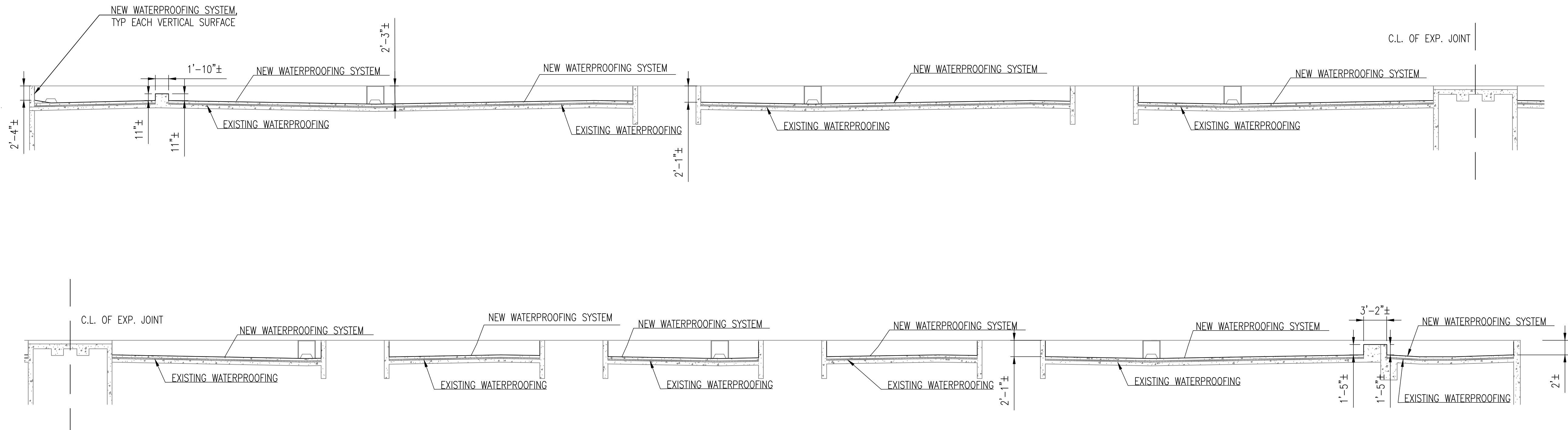
21351 RIDGETOP  
CIR. # 200  
STERLING, VA  
20166

PROFESSIONAL CERTIFICATION - HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A QUALIFIED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO.: 21886. EXPIRATION DATE: 07-29-2024

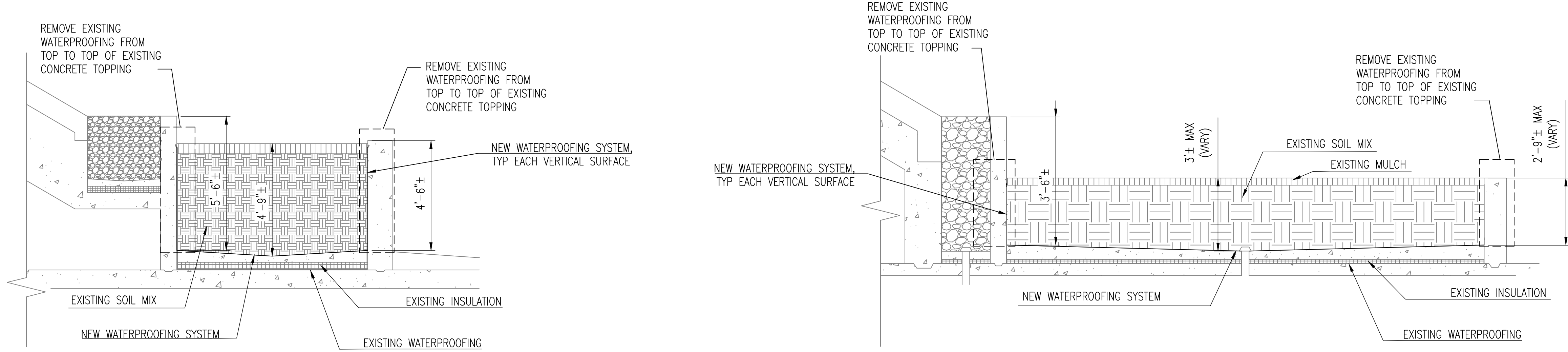
SEAL



CITY OF BALTIMORE  
DEPARTMENT OF  
GENERAL SERVICES  
DESIGN AND  
CONSTRUCTION  
DIVISION



**A**  
SECTION A AT EXISTING PLANTER #1  
W1.1 | W2.2 NOT TO SCALE



**B**  
SECTION B AT EXISTING PLANTER #2  
W1.2 | W2.2 NOT TO SCALE

**C**  
SECTION C AT EXISTING PLANTER #3  
W1.2 | W2.2 NOT TO SCALE

**LEGEND**  
———— INDICATES EXISTING CONSTRUCTION  
———— INDICATES NEW WATERPROOFING

**NOTE**  
PLANTER SOIL DEPTH AND WALL HEIGHTS OF SECTION C VARY, VIF.  
PLANTERS #2 AND #3 ARE UNDER THE BASE BID SCOPE.  
PLANTER #1 IS UNDER THE ALTERNATE BID SCOPE.

NO	DATE	DESCRIPTION

THE BALTIMORE CONVENTION CENTER  
PLANTER BEDS & TREE BOXES  
WATERPROOFING REPLACEMENT  
1 W PRATT STREET, BALTIMORE, MD 21201  
CONTRACT NO. GS 18812

PLANTER BED  
SECTIONS -  
DETAIL  
A THRU C

2/20/2020

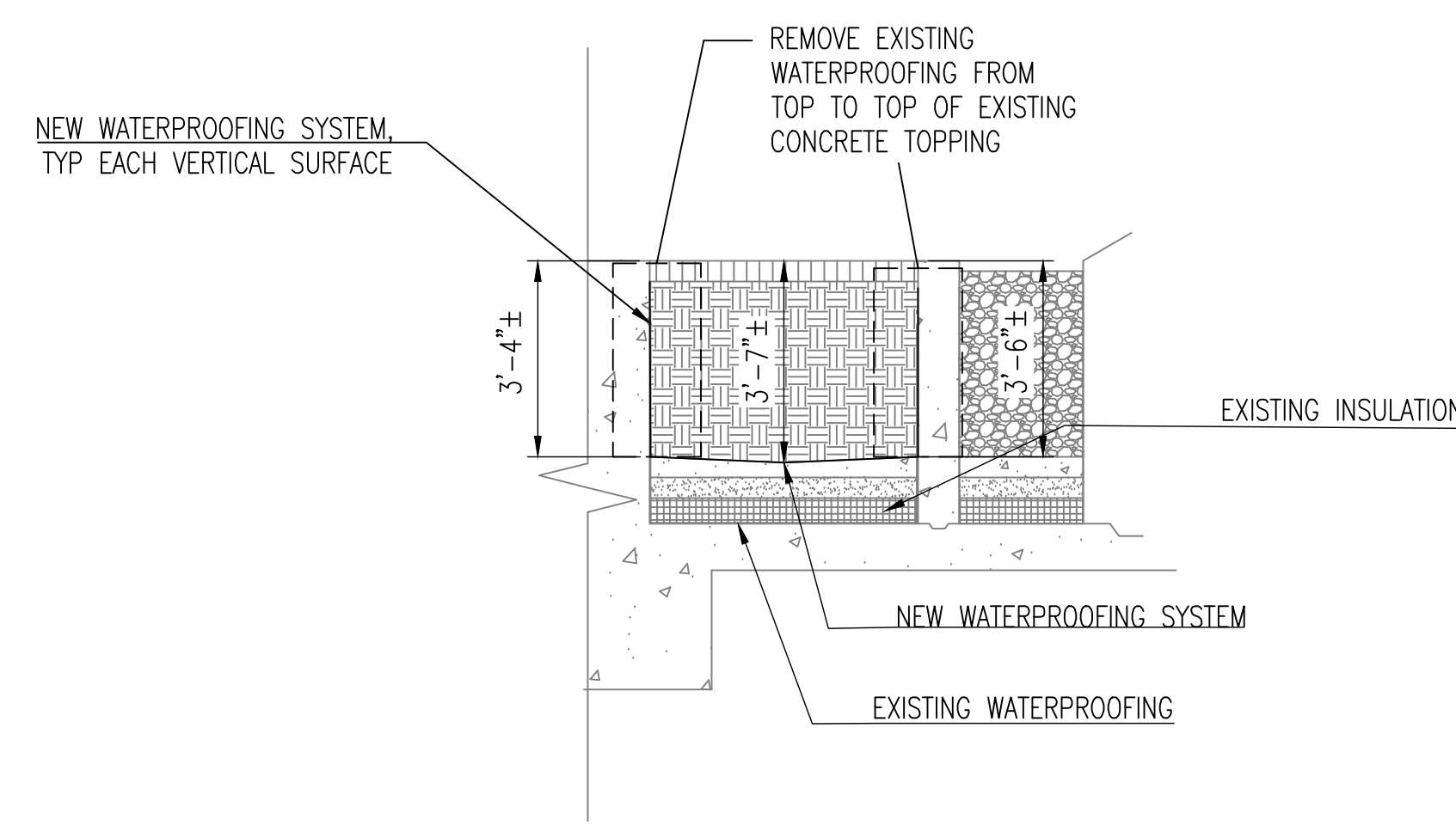
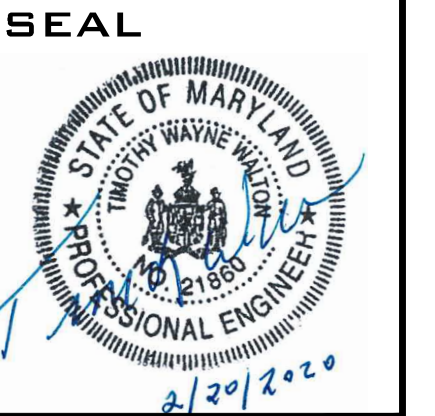
**SHEET  
W2.2**

SHEET 10  
OF 25

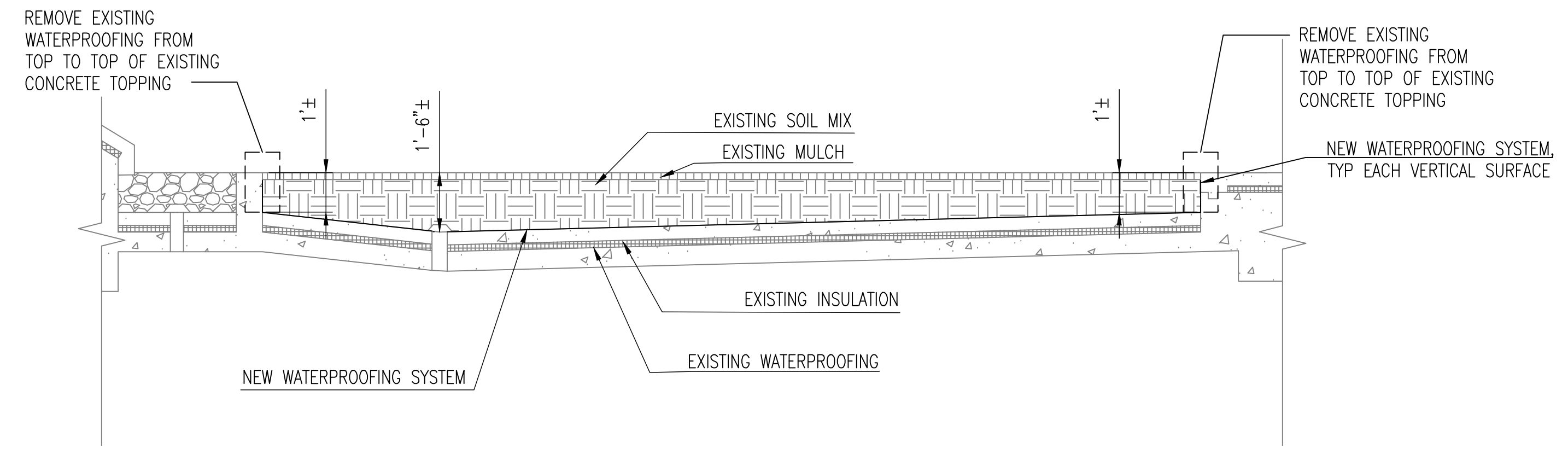


21351 RIDGETOP  
CIR. # 200  
STERLING, VA  
20166

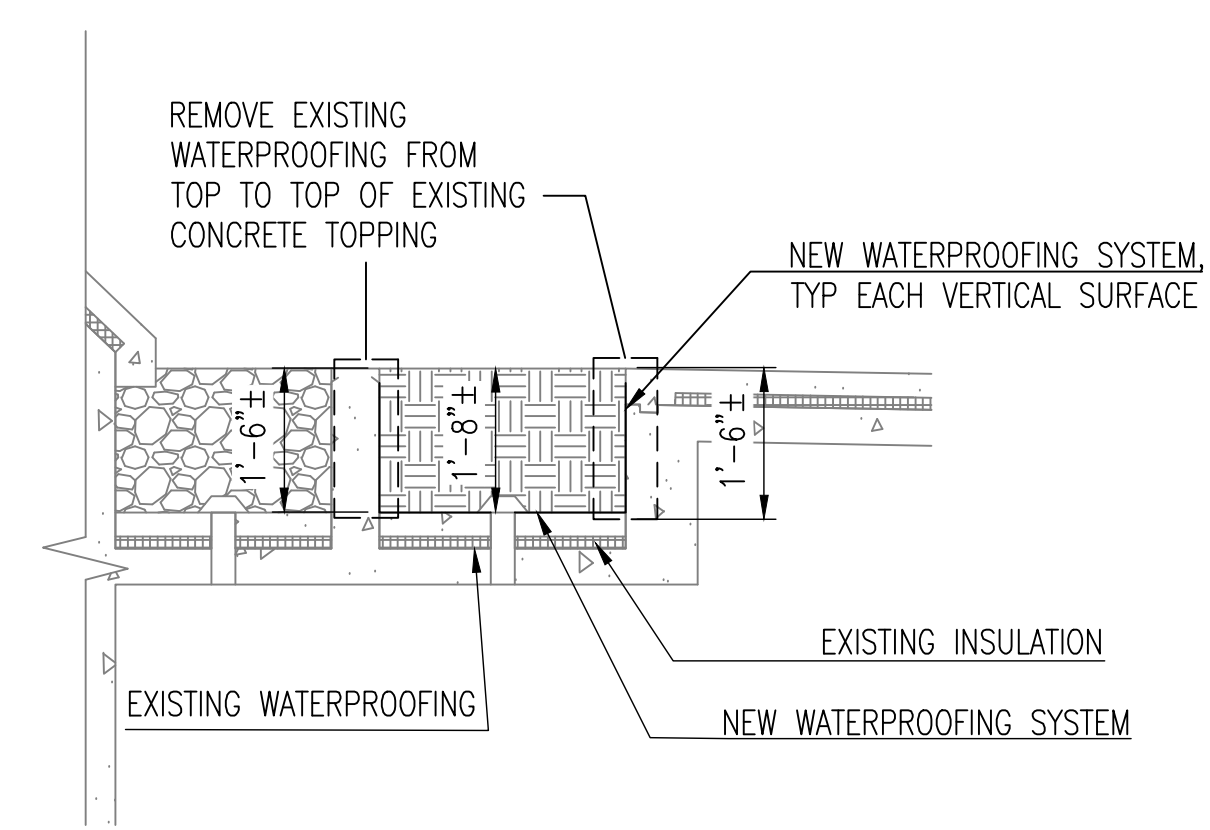
PROFESSIONAL CERTIFICATION - HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A QUALIFIED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO.: 21886, EXPIRATION DATE: 07-29-2020



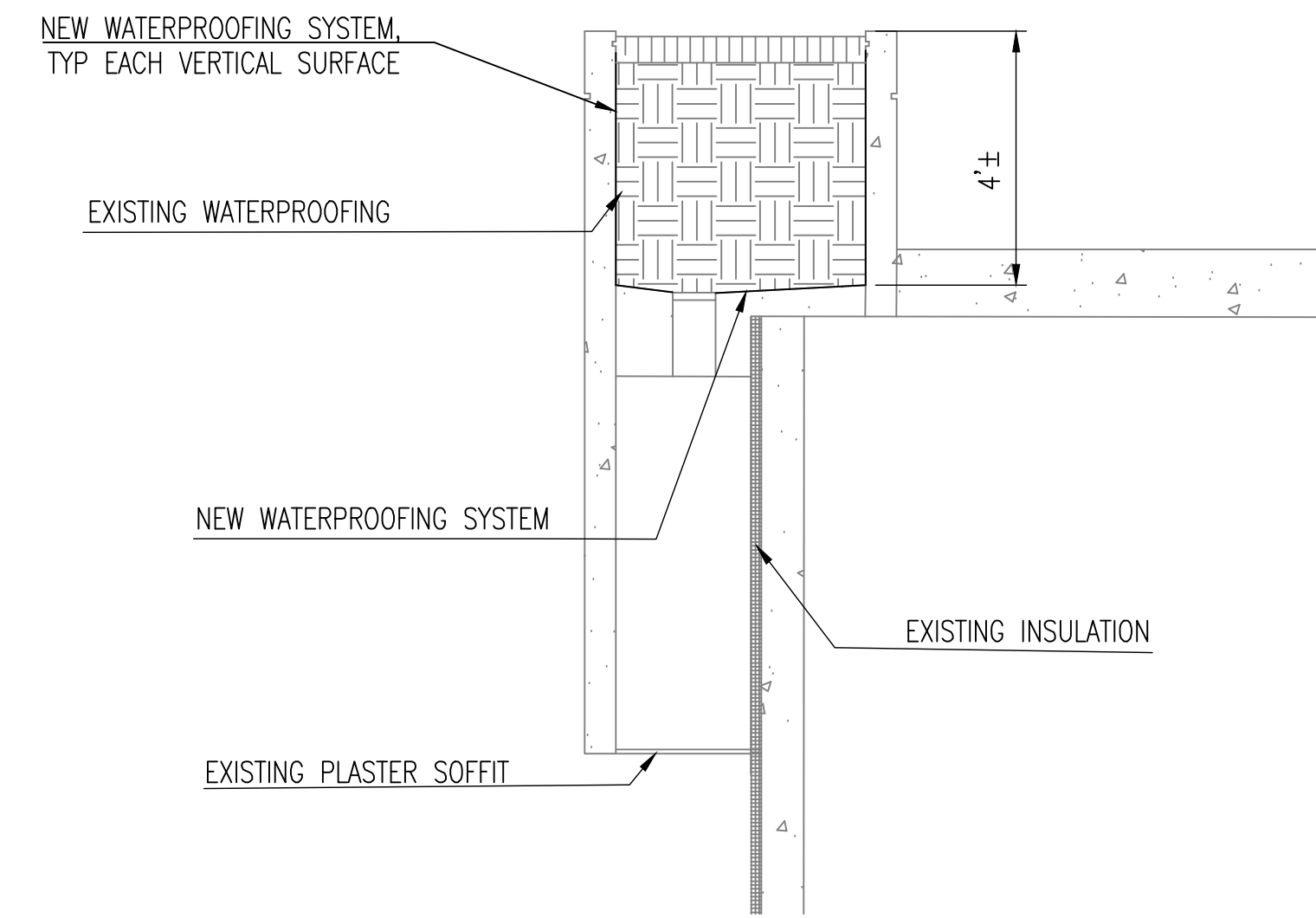
**A**  
SECTION A AT EXISTING PLANTER #3  
W1.2 | W2.3  
NOT TO SCALE



**B**  
SECTION B AT EXISTING PLANTER #4  
W1.2 | W2.3  
NOT TO SCALE



**C**  
SECTION C AT EXISTING PLANTER #4  
W1.2 | W2.3  
NOT TO SCALE



**D**  
SECTION D AT EXISTING PLANTER #6  
W1.3 | W2.3  
NOT TO SCALE

**LEGEND**  
————— INDICATES EXISTING CONSTRUCTION  
————— INDICATES NEW WATERPROOFING

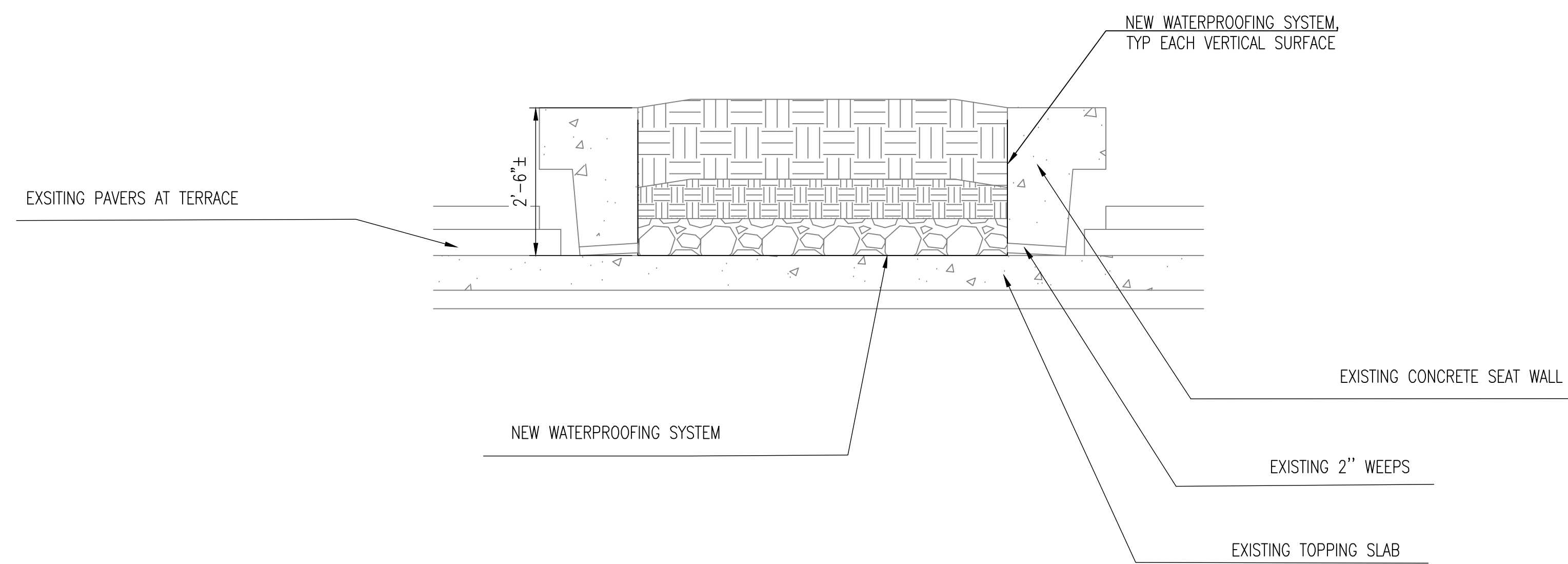
**NOTE**  
FOR SECTION D, ALL EXISTING WATERPROOFING SHALL BE REMOVED PRIOR TO INSTALLATION OF WATERPROOFING SYSTEM.  
PLANTERS #3 AND #6 ARE UNDER THE BASE BID SCOPE.  
PLANTER #4 IS UNDER THE ALTERNATE BID SCOPE.

NO	DATE	DESCRIPTION

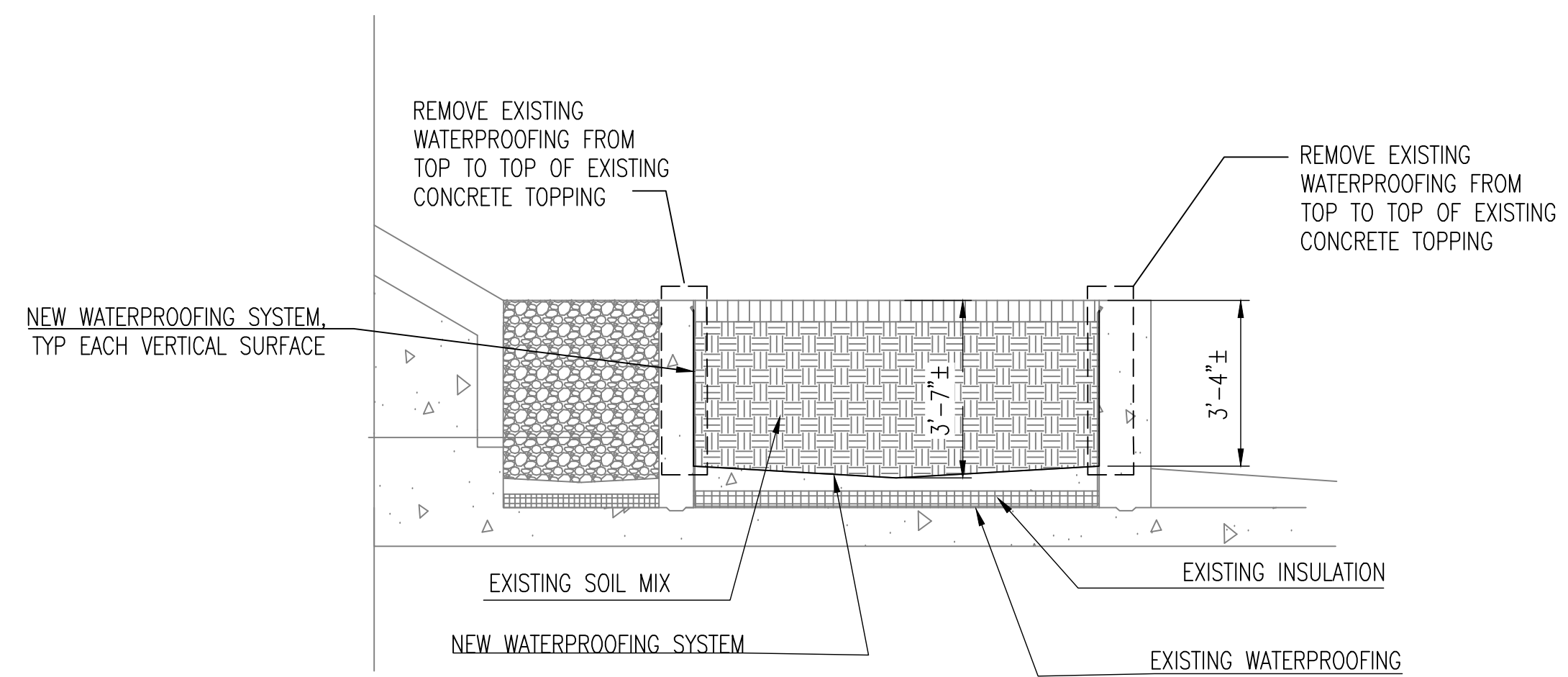
THE BALTIMORE CONVENTION CENTER  
PLANTER BEDS & TREE BOXES  
WATERPROOFING REPLACEMENT  
1 W PRATT STREET, BALTIMORE, MD 21201  
CONTRACT NO. - GS 18812

PLANTER BED  
SECTIONS -  
DETAIL  
A THRU D

2/20/2020  
**SHEET**  
**W2.3**  
SHEET 11  
OF 25



SECTION A AT EXISTING PLANTER #7  
 W1.3 | W2.4  
 NOT TO SCALE



SECTION B AT EXISTING PLANTER #8  
 W1.3 | W2.4  
 NOT TO SCALE

**LEGEND**

———— INDICATES EXISTING CONSTRUCTION

———— INDICATES NEW WATERPROOFING

**NOTE**

PLANTERS #7 AND #8 ARE UNDER THE BASE BID SCOPE.



21351 RIDGETOP  
 CIR. # 200  
 STERLING, VA  
 20166

PROFESSIONAL CERTIFICATION: HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A QUALIFIED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO.: 21886. EXPIRATION DATE: 07-29-2020

SEAL



CITY OF BALTIMORE  
 DEPARTMENT OF  
 GENERAL SERVICES  
 DESIGN AND  
 CONSTRUCTION  
 DIVISION

NO	DATE	DESCRIPTION

THE BALTIMORE CONVENTION CENTER  
 PLANTER BEDS & TREE BOXES  
 WATERPROOFING REPLACEMENT  
 1 W PRATT STREET, BALTIMORE, MD 21201  
 CONTRACT NO. GS 18812

PLANTER BED  
 SECTIONS -  
 DETAIL  
 A THRU B

2/20/2020

**SHEET**  
**W2.4**

SHEET 12  
 OF 25

NO	DATE	DESCRIPTION

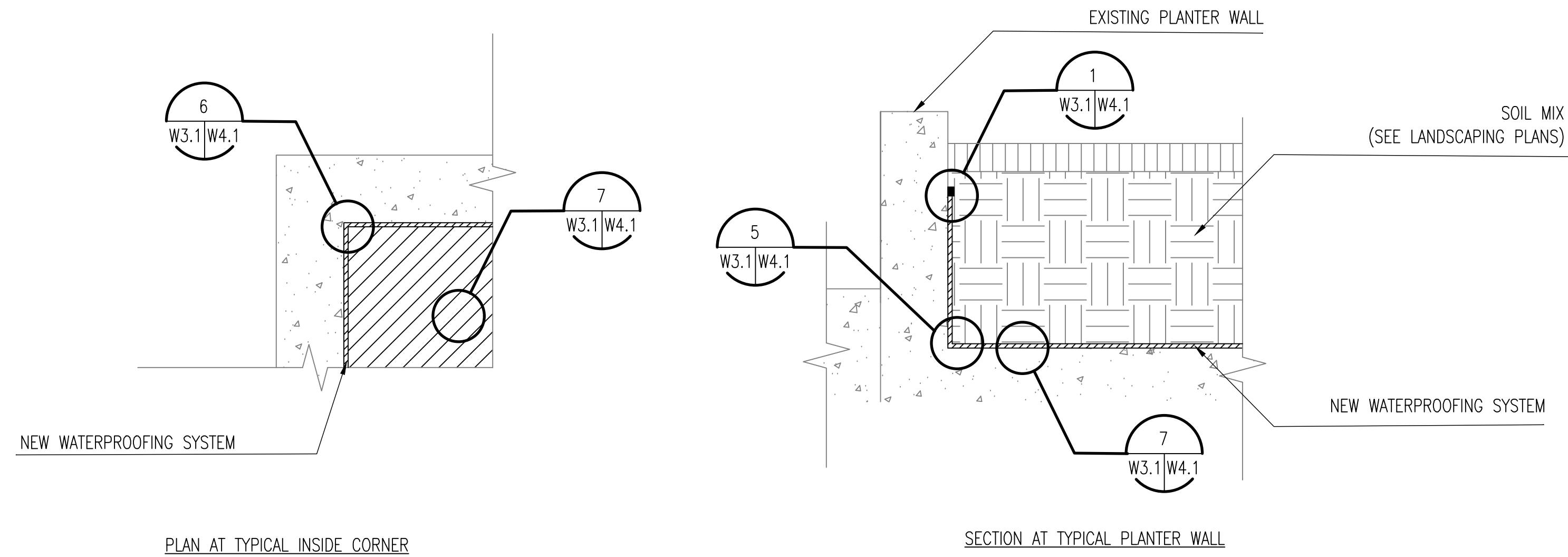
**THE BALTIMORE CONVENTION CENTER  
PLANTER BEDS & TREE BOXES  
WATERPROOFING REPLACEMENT**  
1 W PRATT STREET, BALTIMORE, MD 21201  
CONTRACT NO. GS 18812

TYPICAL  
WATERPROOFING  
SECTIONS

2/20/2020

**SHEET  
W3.1**

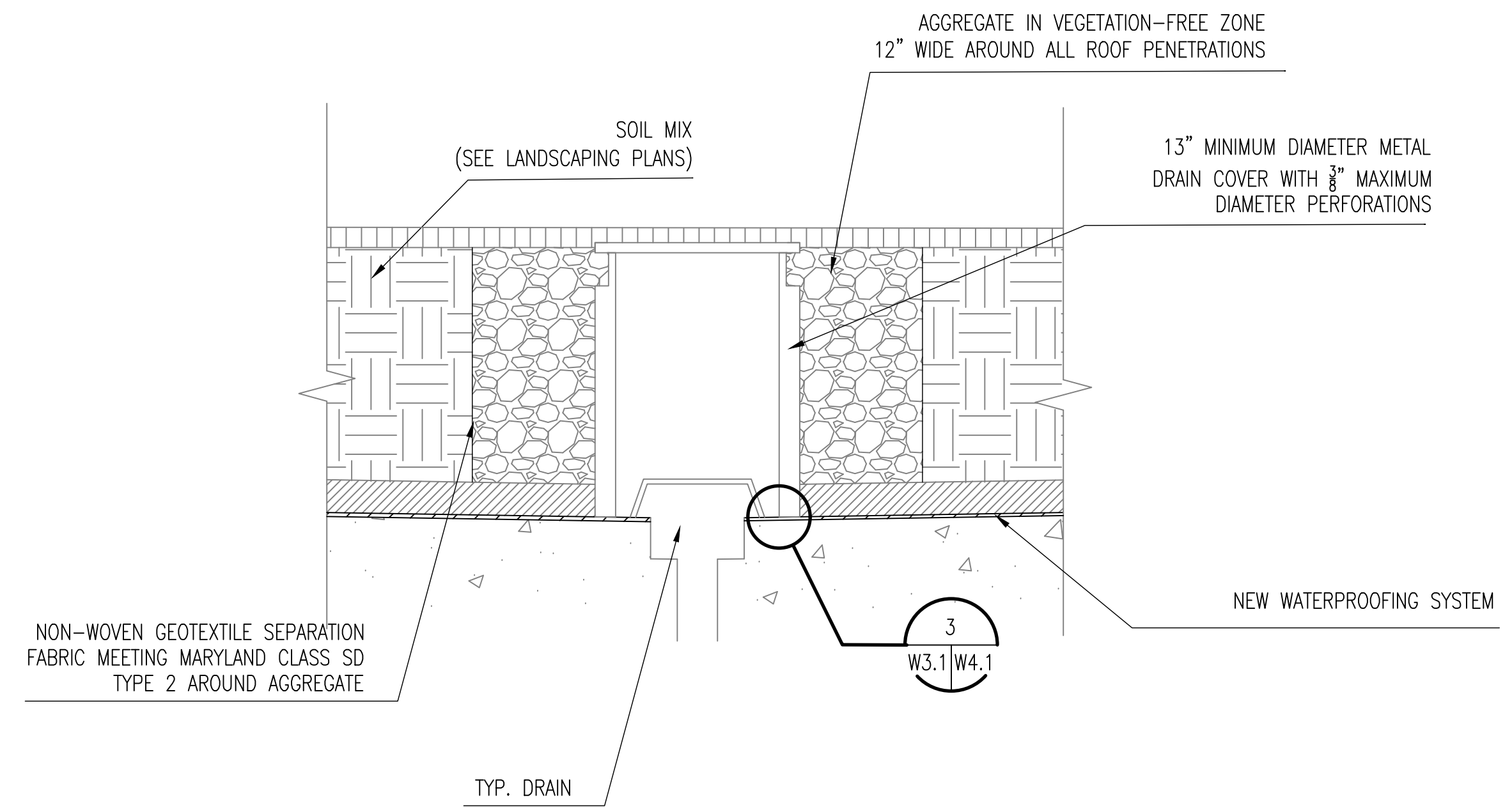
SHEET 13  
OF 25



PLAN AT TYPICAL INSIDE CORNER

SECTION AT TYPICAL PLANTER WALL

**1** TYPICAL PLANTER WALL WATERPROOFING DETAIL  
W1.1|W3.1 NOT TO SCALE

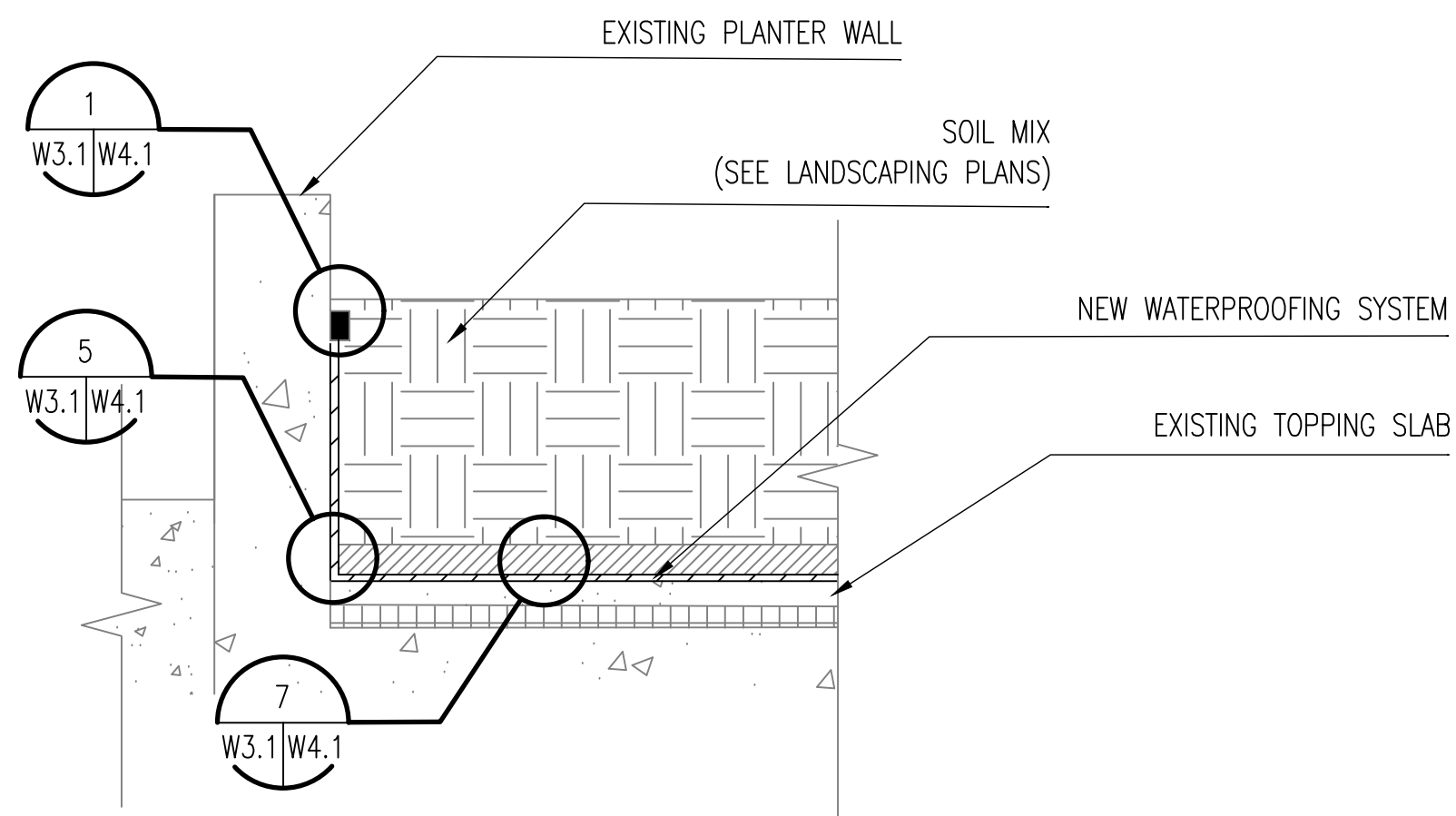


NON-WOVEN GEOTEXTILE SEPARATION  
FABRIC MEETING MARYLAND CLASS SD  
TYPE 2 AROUND AGGREGATE

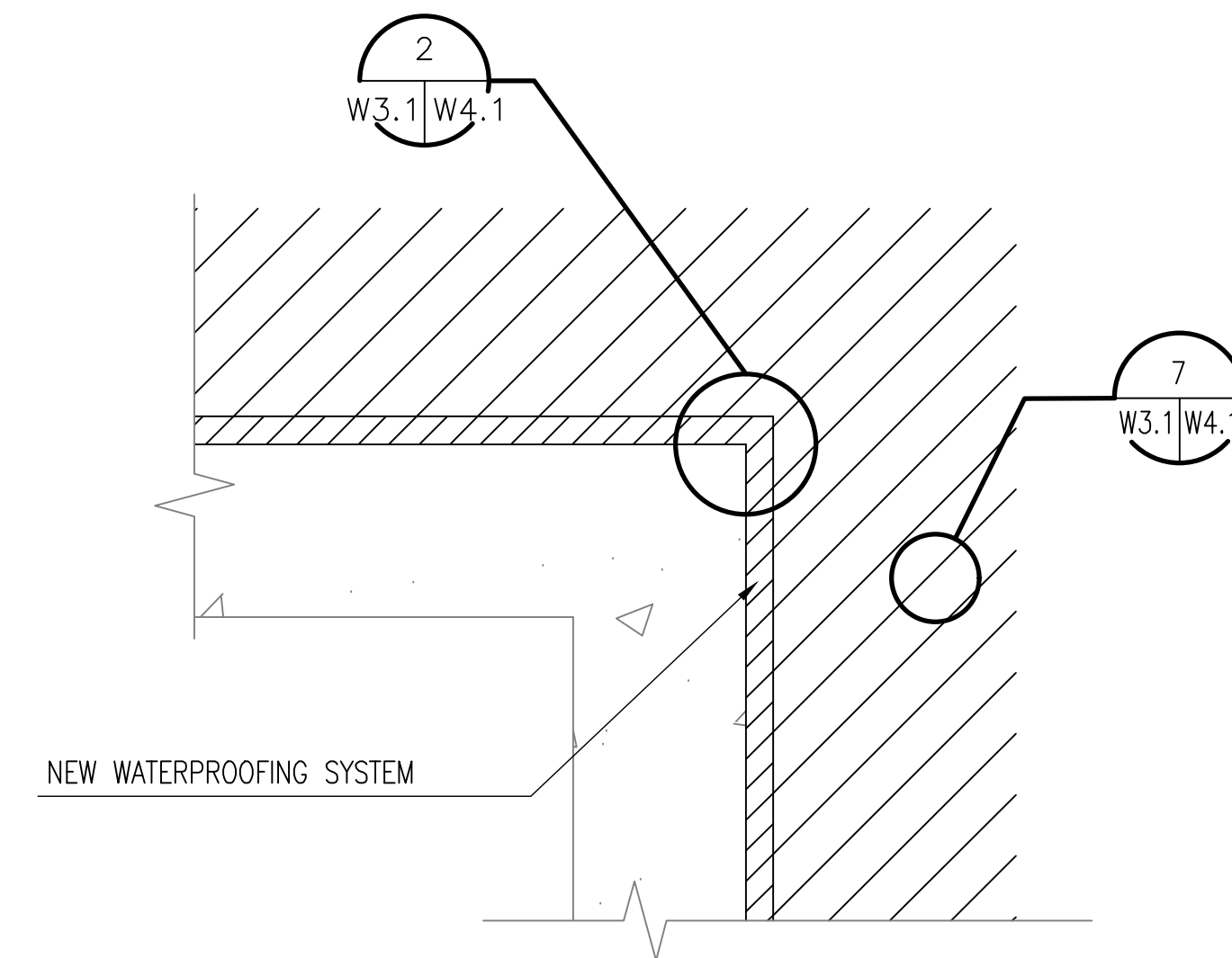
TYP. DRAIN

NEW WATERPROOFING SYSTEM

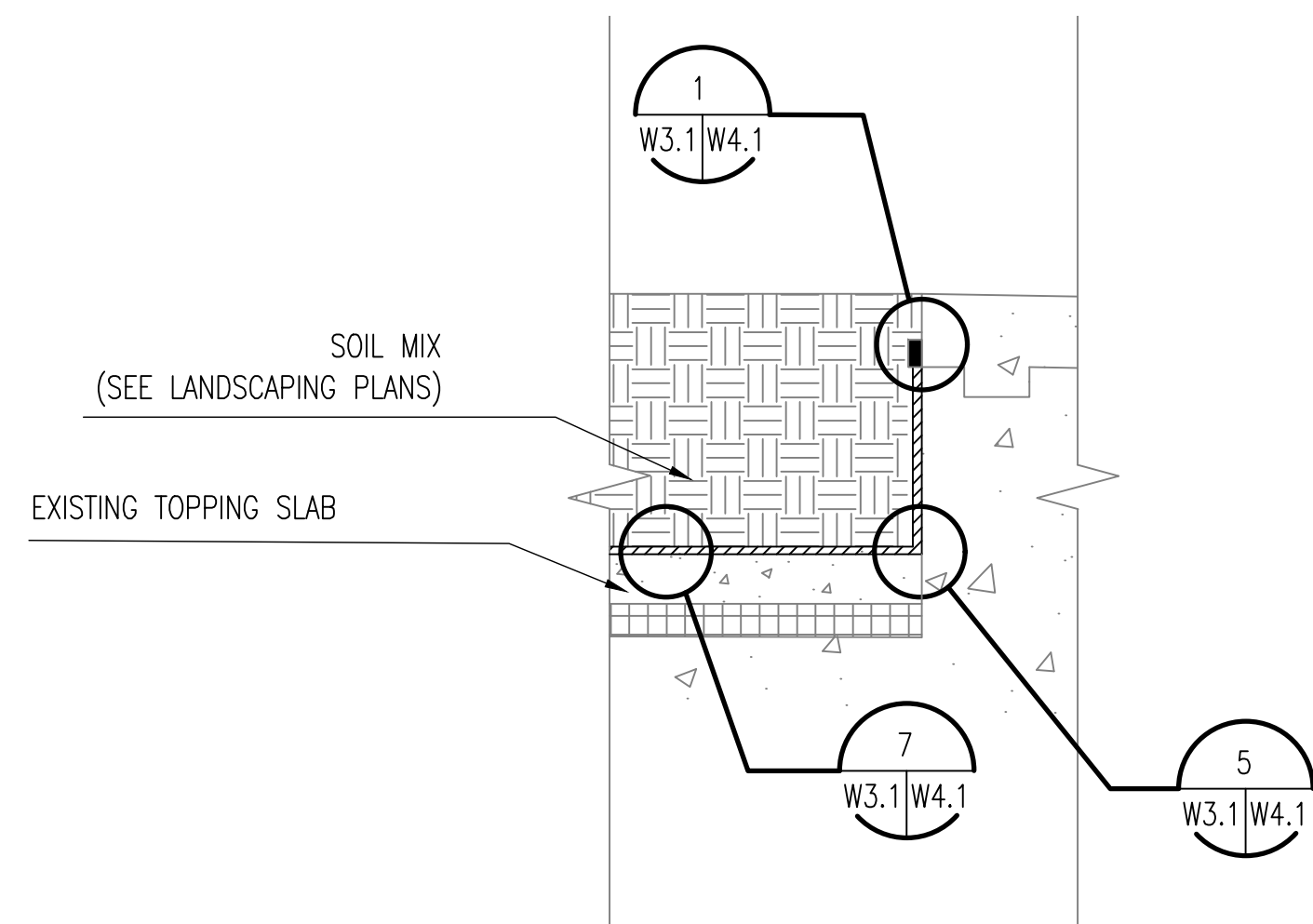
**2** TYPICAL PLANTER WATERPROOFING TO DRAIN INLET DETAIL  
W1.1|W3.1 NOT TO SCALE



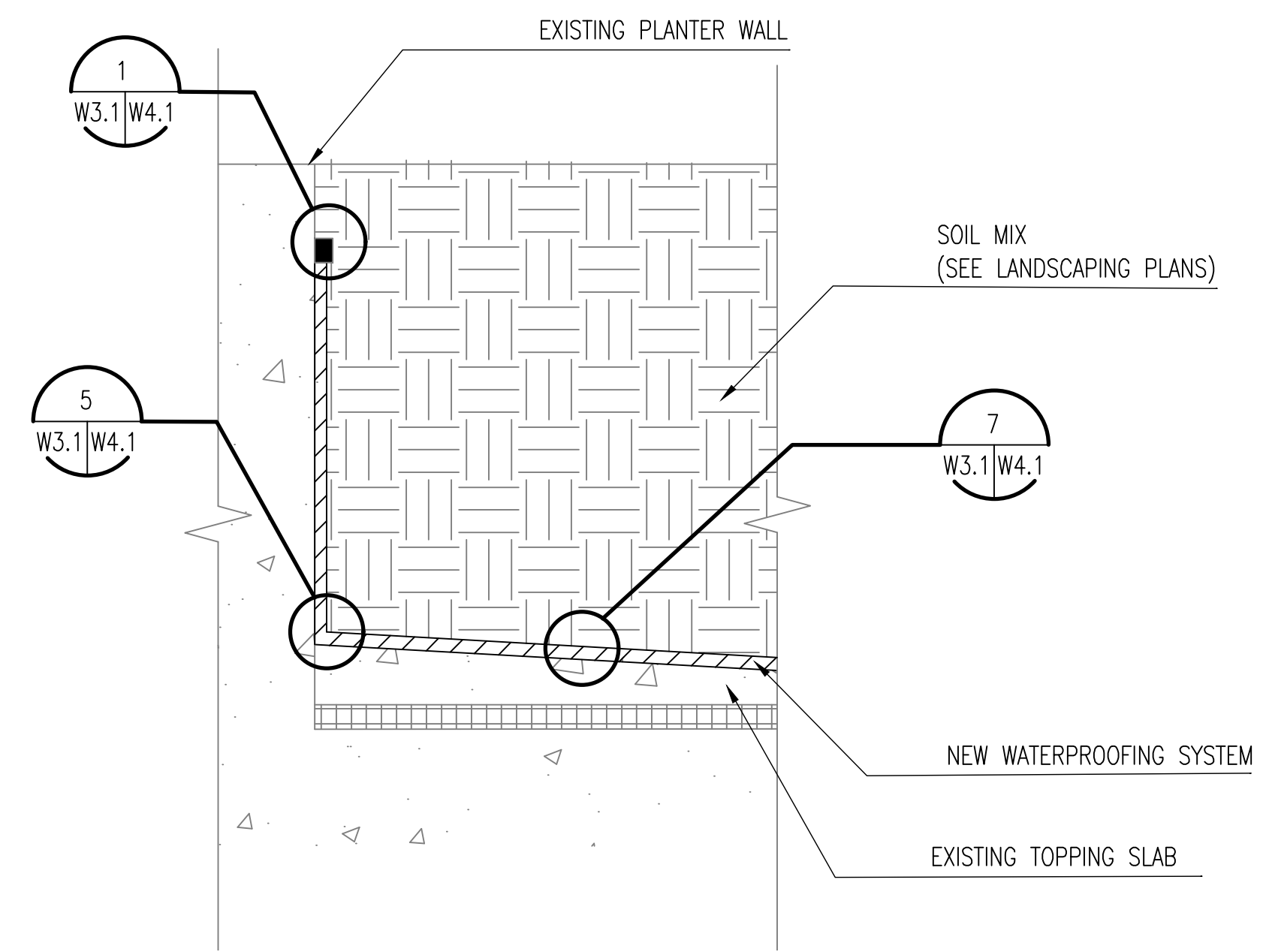
**3** TYPICAL PLANTER WALL WATERPROOFING DETAIL AT TOPPING SLAB CONDITION  
W1.1|W3.1 NOT TO SCALE



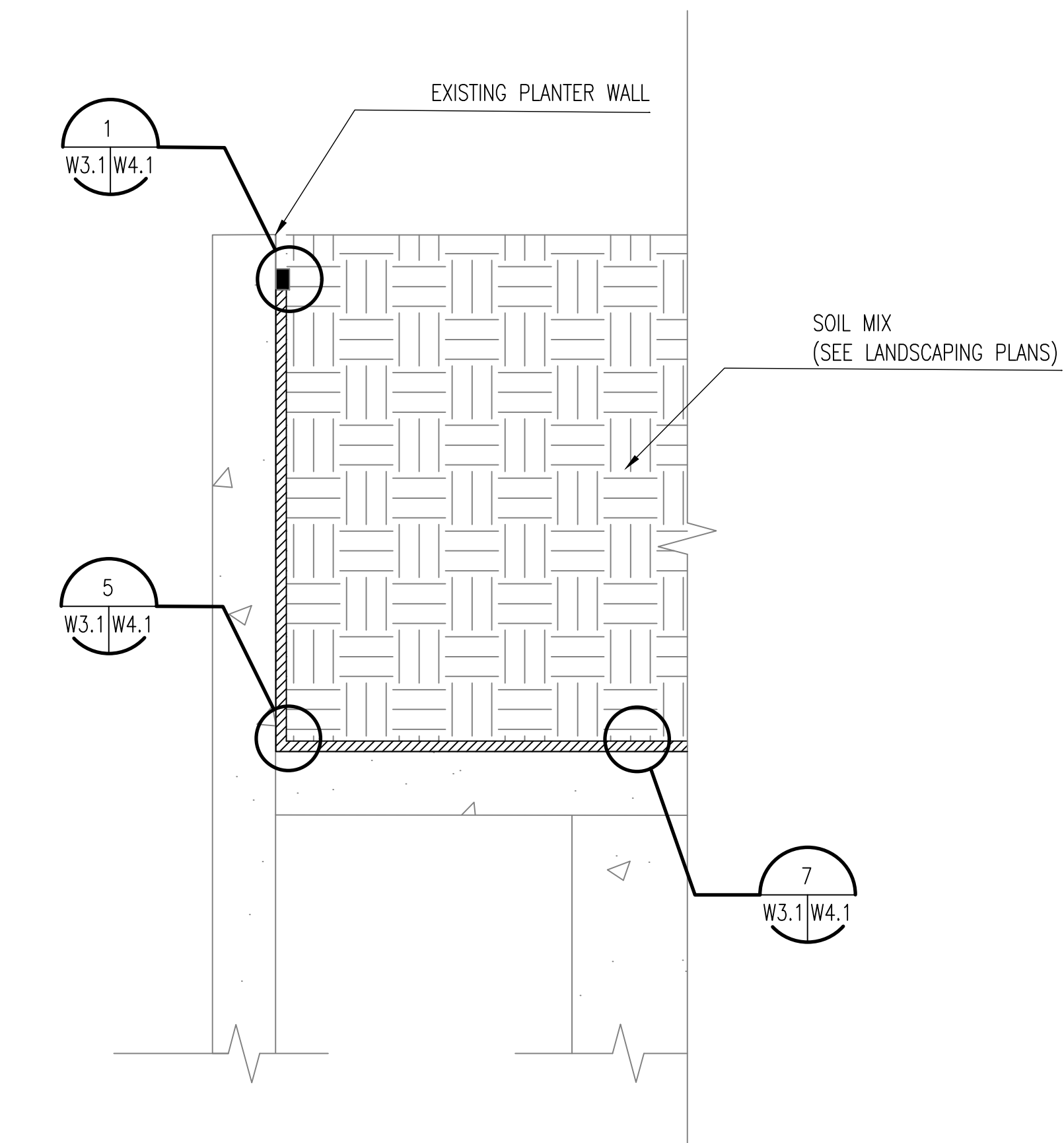
**4** TYPICAL PLANTER WALL WATERPROOFING AT TYPICAL OUTSIDE CORNER CONDITION  
W1.1,W2.1|W3.1 NOT TO SCALE



1 PLANTER #4 WALL DETAIL AT TOPPING SLAB  
W1.2|W3.2 NOT TO SCALE



2 PLANTER #8 WALL DETAIL AT TOPPING SLAB  
W1.3|W3.2 NOT TO SCALE



3 PLANTER #6 WALL DETAIL  
W1.3|W3.2 NOT TO SCALE

**NOTE**

PLANTERS #6 AND #8 ARE UNDER THE BASE BID SCOPE.  
PLANTER #4 IS UNDER THE ALTERNATE BID SCOPE.



21351 RIDGETOP  
CIR. # 200  
STERLING, VA  
20166

PROFESSIONAL CERTIFICATION: I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A QUALIFIED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 21868, EXPIRATION DATE 07-29-2020.

SEAL



CITY OF BALTIMORE  
DEPARTMENT OF  
GENERAL SERVICES  
DESIGN AND  
CONSTRUCTION  
DIVISION

NO	DATE	DESCRIPTION

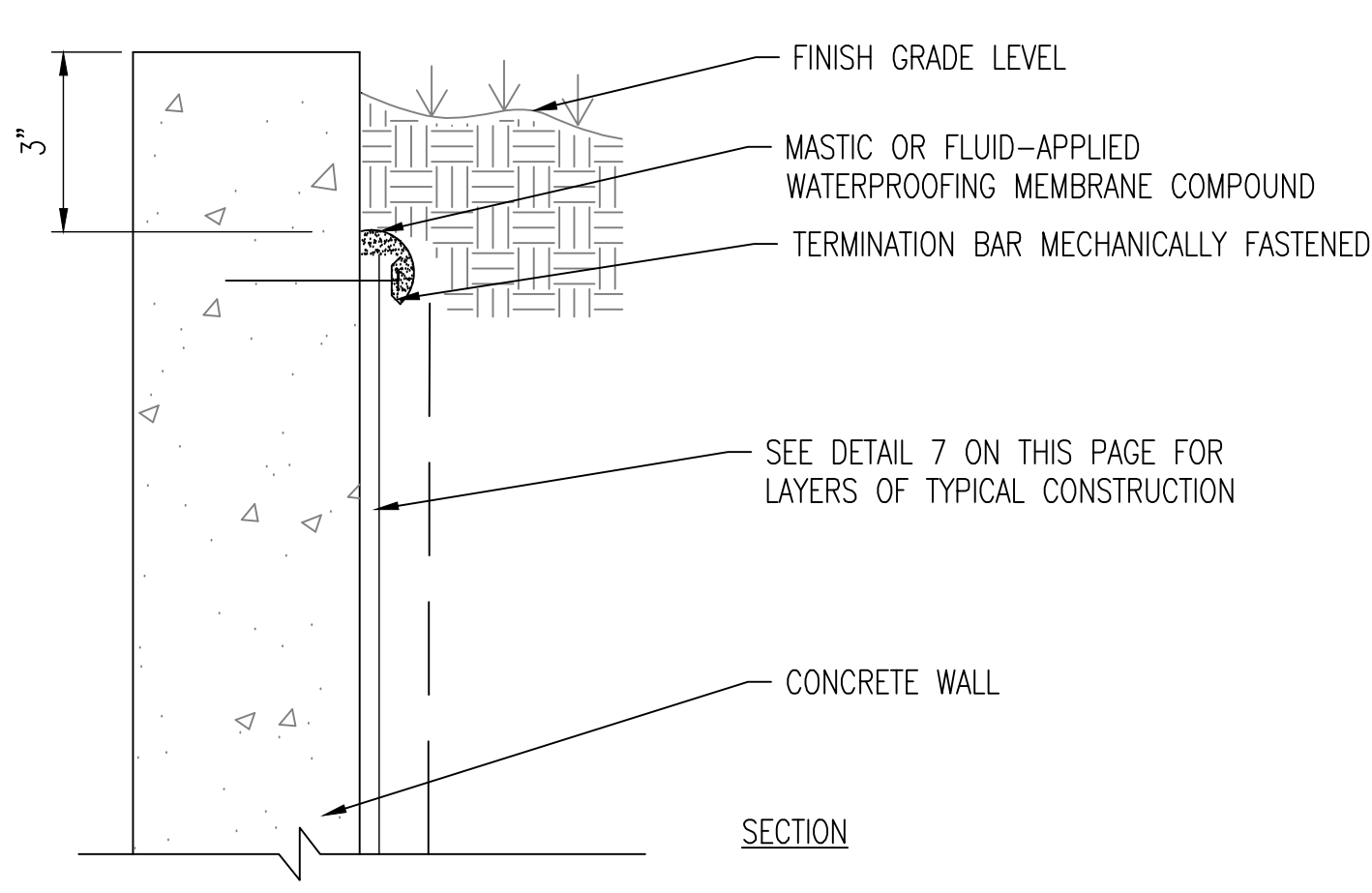
THE BALTIMORE CONVENTION CENTER  
PLANTER BEDS & TREE BOXES  
WATERPROOFING REPLACEMENT  
1 W PRATT STREET, BALTIMORE, MD 21201  
CONTRACT NO. GS 18812

TYPICAL  
WATERPROOFING  
SECTIONS

2/20/2020

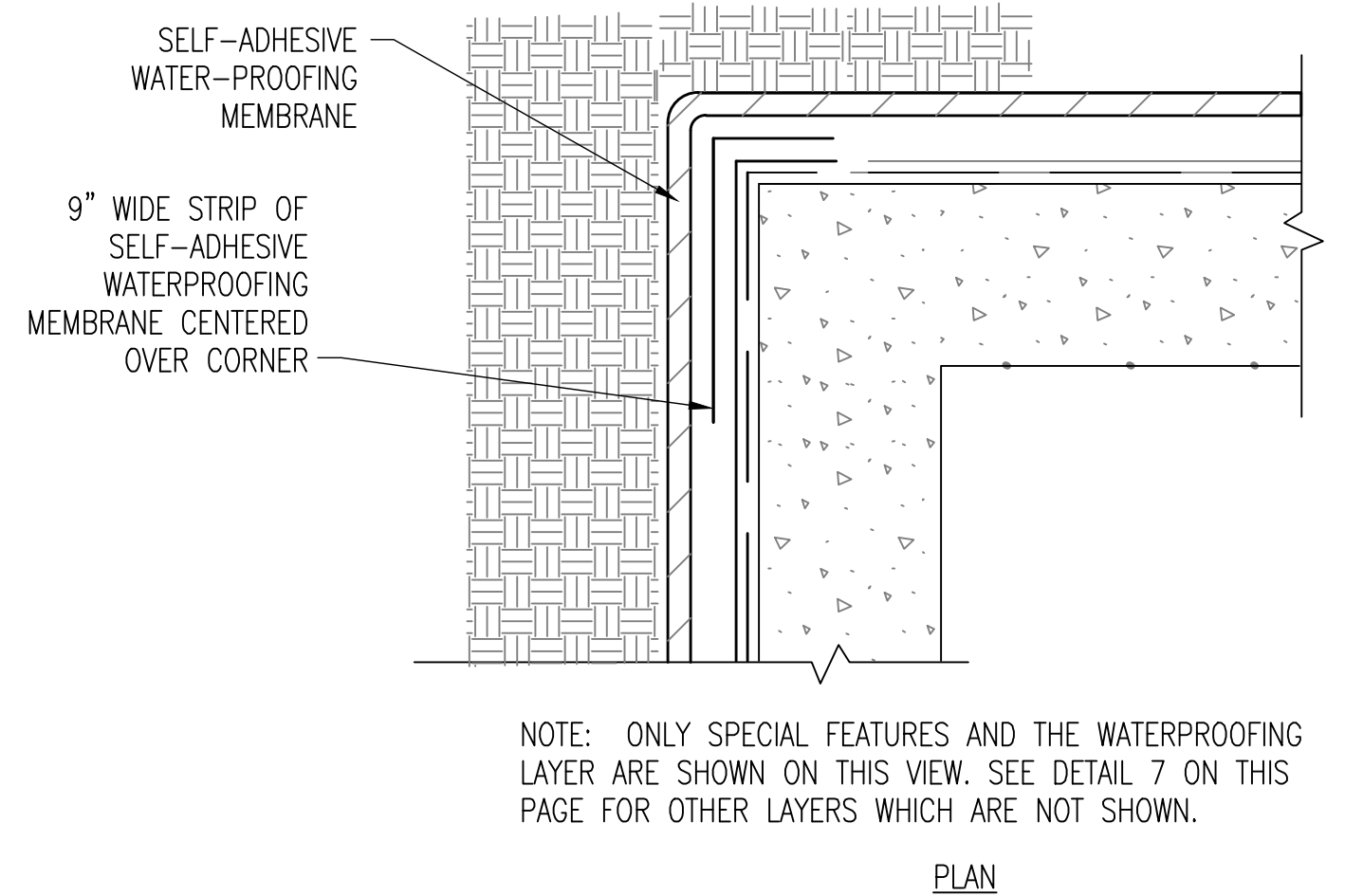
SHEET  
W3.2

SHEET 14  
OF 25



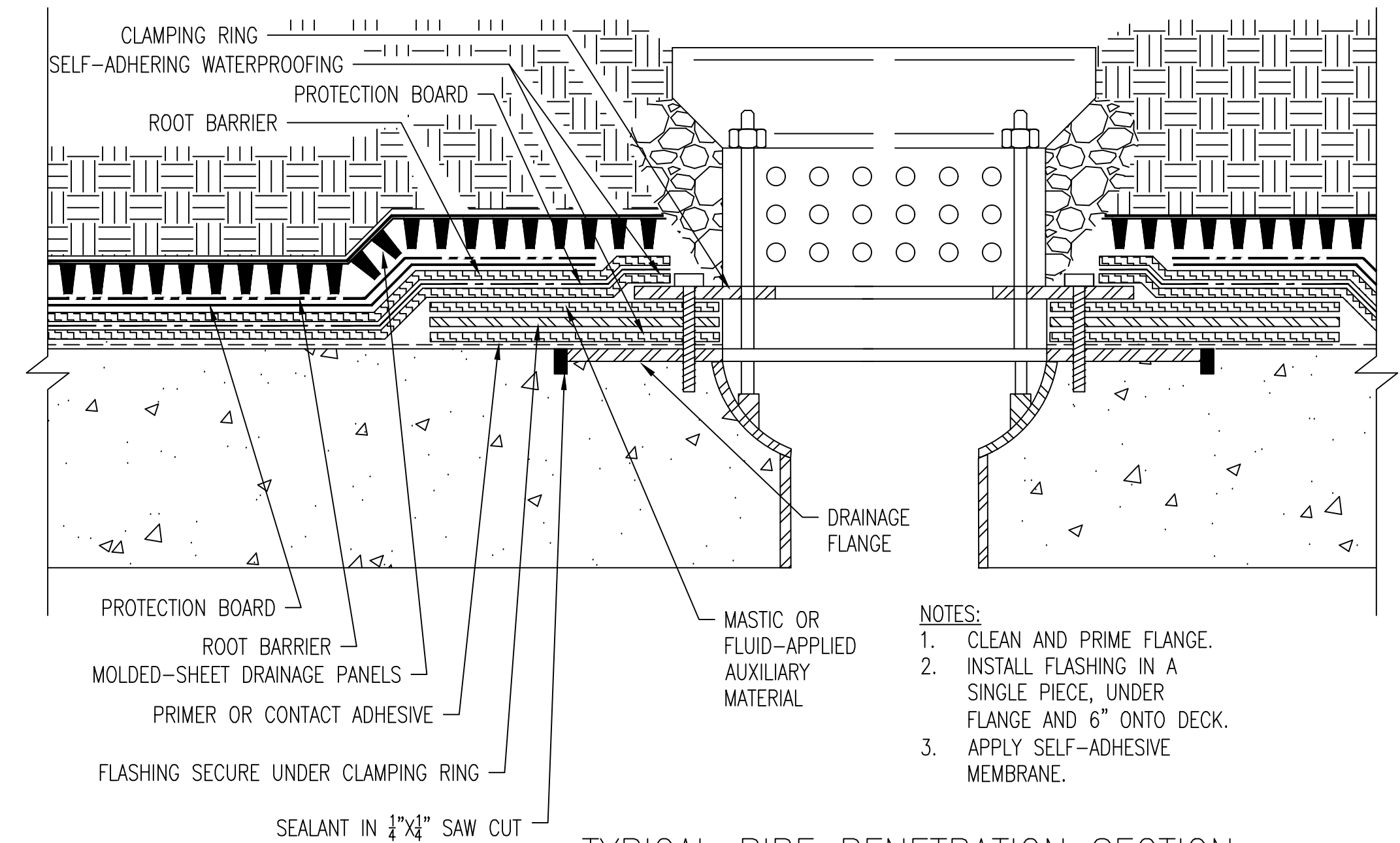
1 TYPICAL BELOW GRADE WATERPROOFING DETAIL

W3.1, W3.2 | W4.1 NOT TO SCALE



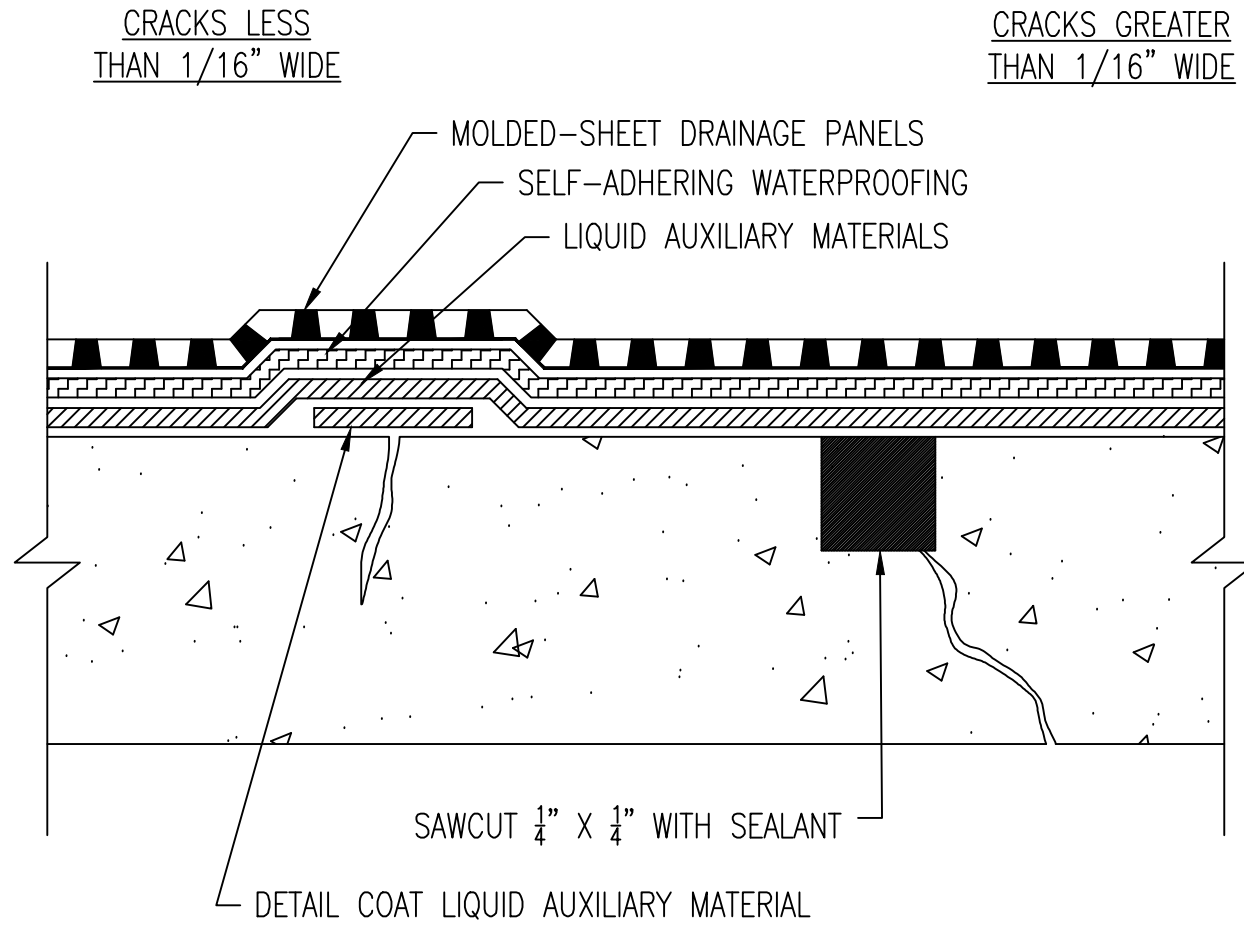
2 TYPICAL WATERPROOFING OUTSIDE CORNER DETAIL

W3.1 | W4.1 NOT TO SCALE



3 TYPICAL PIPE PENETRATION SECTION

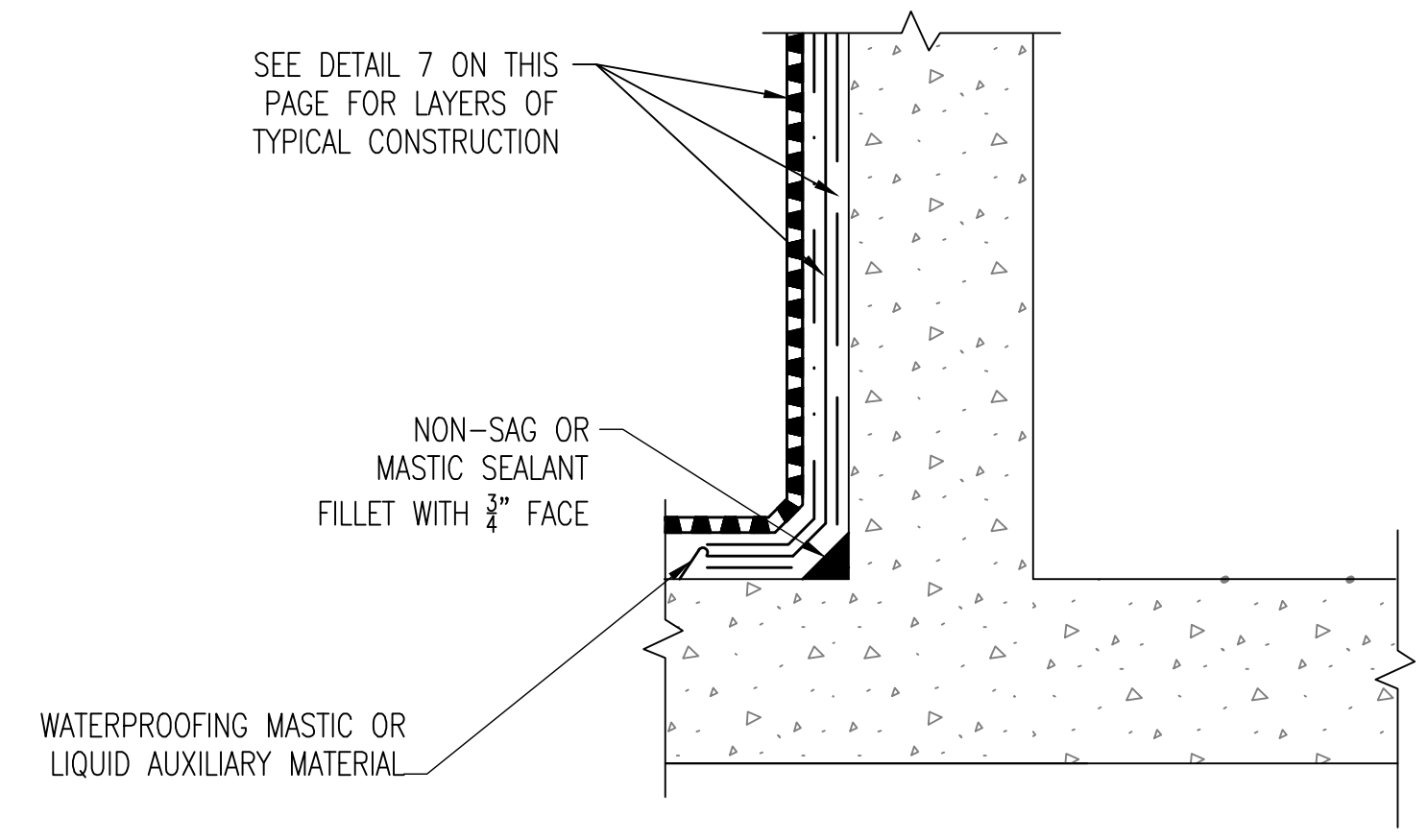
W3.1 | W4.1 NOT TO SCALE



- NOTES:
1. SAW CUT CRACKS GREATER THAN 1/8" TO 1/4" WIDE X 1/4" DEEP.
  2. REMOVE DUST AND APPLY SEALANT, TOOL FLUSH AND ALLOW TO DRY OVERNIGHT.
  3. APPLY LIQUID AUXILIARY MATERIAL DETAIL COAT OVER HAIRLINE CRACKS, COLD JOINTS. ALLOW TO DRY 2 TO 4 HOURS.
  4. APPLY LIQUID AUXILIARY MATERIAL AT 60 MILS THICK, ALLOW TO DRY 2 TO 4 HOURS.
  5. INSTALL SELF-ADHERING WATERPROOFING.
  6. INSTALL MOLDED-SHEET DRAINAGE PANELS.

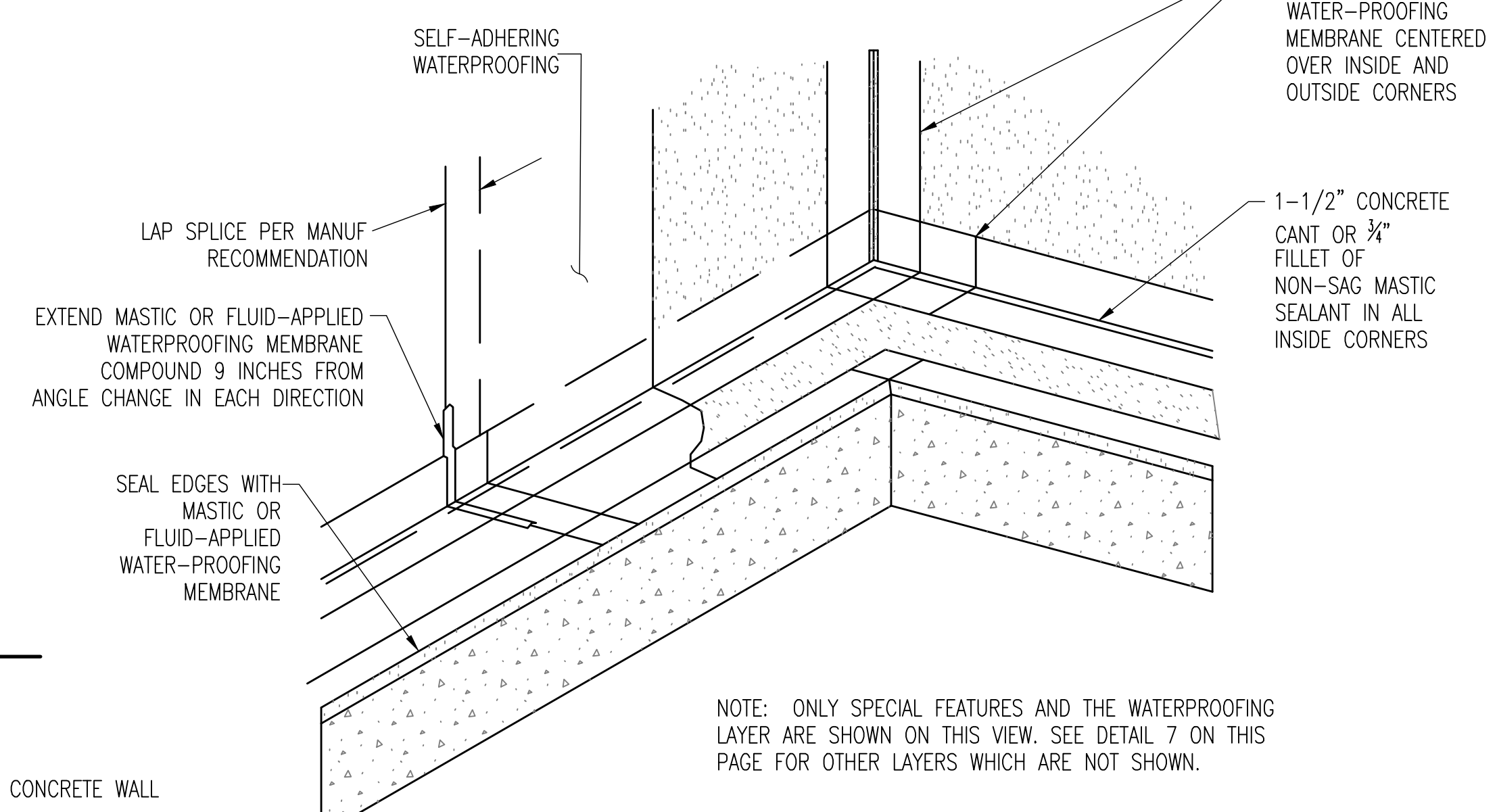
4 CRACK TREATMENT SECTION

AS\_NEEDED | W4.1 NOT TO SCALE



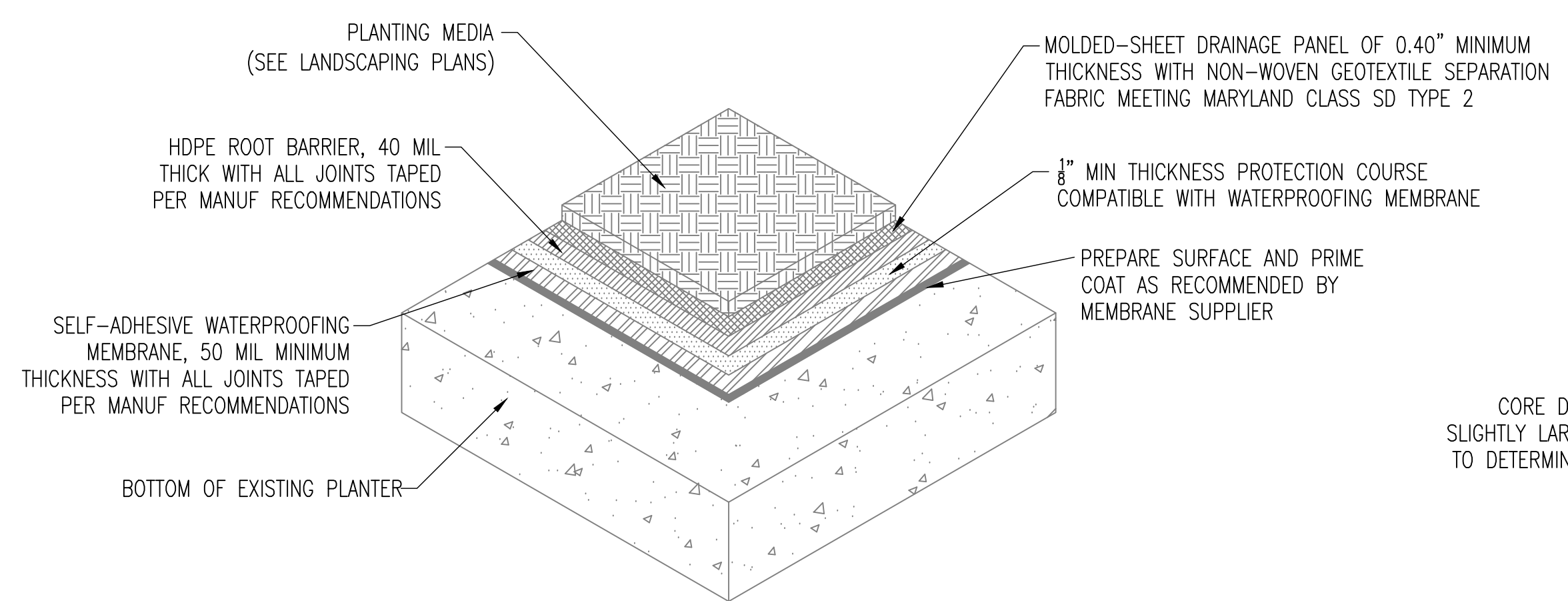
5 WATERPROOFING INSIDE CORNER DETAIL

W3.1, W3.2 | W4.1 NOT TO SCALE



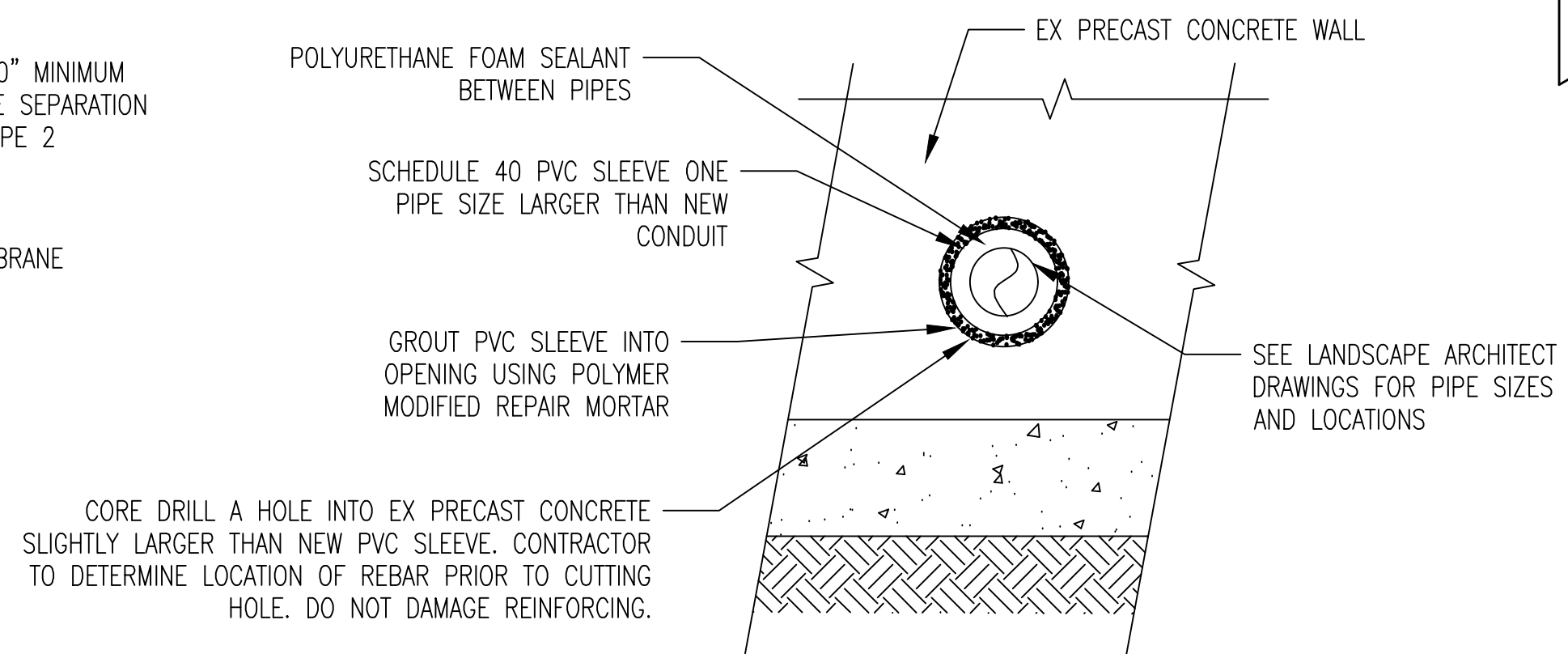
6 INSIDE CORNER ISOMETRIC

W3.1 | W4.1 NOT TO SCALE



7 TYPICAL WATERPROOFING SYSTEM

W3.1, W3.2 | W4.1 NOT TO SCALE



8 TYPICAL PIPE PENETRATION

AS\_NEEDED | W4.1 NOT TO SCALE

- NOTE
1. DETAILS ARE INTENDED TO BE A GENERAL GUIDE FOR WATERPROOFING INSTALLATION ONLY.
  2. INSTALLATION TO BE PERFORMED PER MANUFACTURER INSTRUCTIONS.

NO	DATE	DESCRIPTION



1800 WASHINGTON BOULEVARD  
SUITE 425  
BALTIMORE, MD 33126



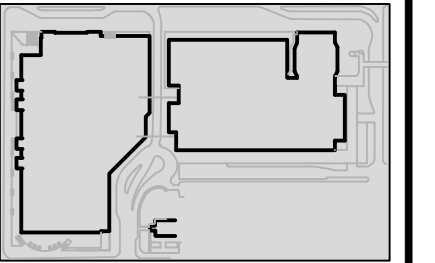
LANDSCAPE ARCHITECTS  
7402 YORK ROAD, SUITE 201  
TOWSON, MD 21284  
TEL. 410.296.3990

SEAL



CITY OF BALTIMORE  
DEPARTMENT OF  
GENERAL SERVICES  
DESIGN AND  
CONSTRUCTION  
DIVISION

KEY PLAN



NO.	DATE	DESCRIPTION

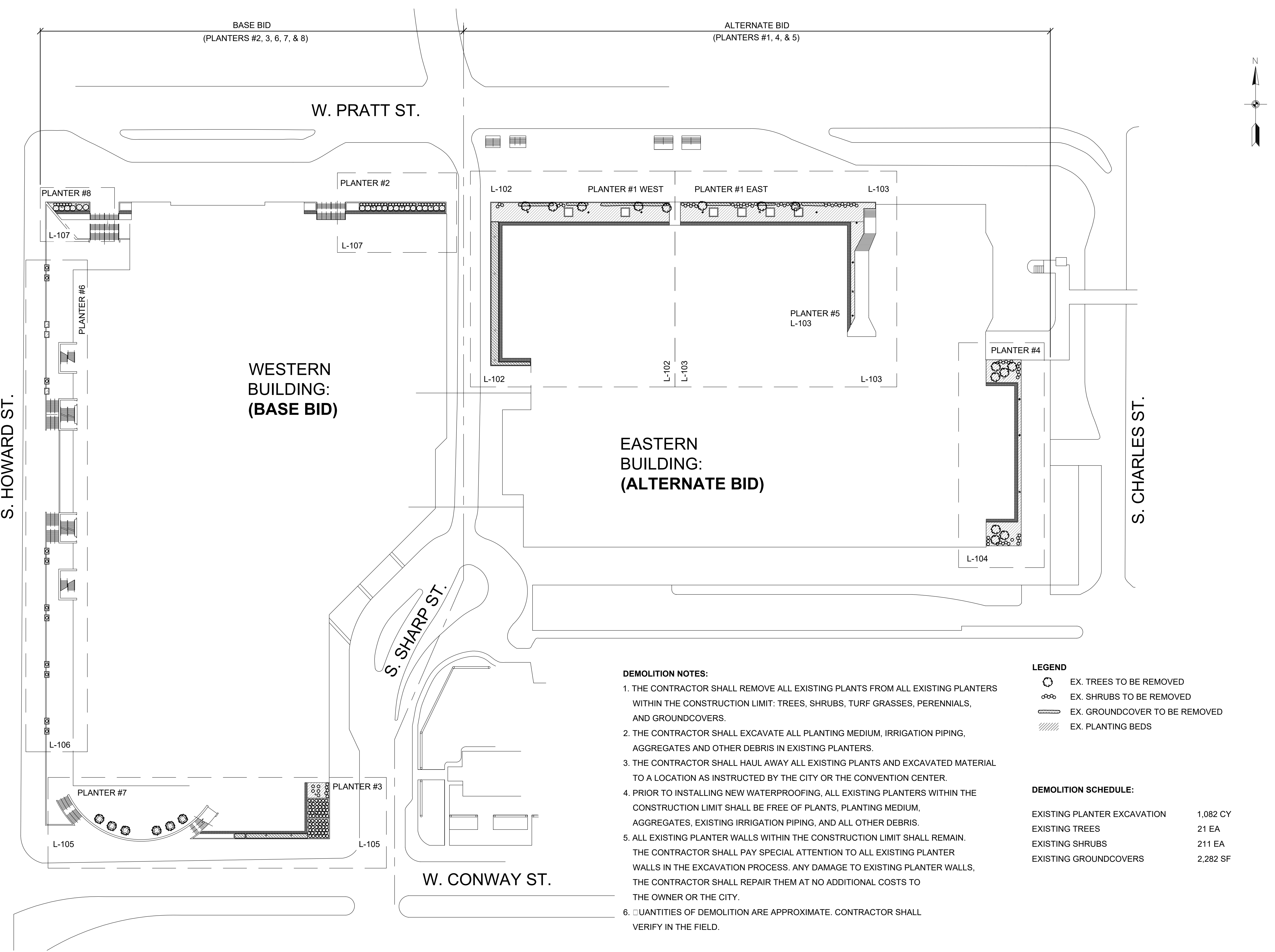
THE BALTIMORE CONVENTION CENTER  
PLANTER BEDS AND TREE BOXES  
WATERPROOFING REPLACEMENT  
1 W PRATT STREET, BALTIMORE, MD 21201  
CONTRACT NO. GS 18812

EXISTING  
CONDITIONS  
PLAN

2/20/2020

**SHEET**  
**L1.1**

16 OF 25



**DEMOLITION NOTES:**

1. THE CONTRACTOR SHALL REMOVE ALL EXISTING PLANTS FROM ALL EXISTING PLANTERS WITHIN THE CONSTRUCTION LIMIT: TREES, SHRUBS, TURF GRASSES, PERENNIALS, AND GROUNDCOVERS.
2. THE CONTRACTOR SHALL EXCAVATE ALL PLANTING MEDIUM, IRRIGATION PIPING, AGGREGATES AND OTHER DEBRIS IN EXISTING PLANTERS.
3. THE CONTRACTOR SHALL HAUL AWAY ALL EXISTING PLANTS AND EXCAVATED MATERIAL TO A LOCATION AS INSTRUCTED BY THE CITY OR THE CONVENTION CENTER.
4. PRIOR TO INSTALLING NEW WATERPROOFING, ALL EXISTING PLANTERS WITHIN THE CONSTRUCTION LIMIT SHALL BE FREE OF PLANTS, PLANTING MEDIUM, AGGREGATES, EXISTING IRRIGATION PIPING, AND ALL OTHER DEBRIS.
5. ALL EXISTING PLANTER WALLS WITHIN THE CONSTRUCTION LIMIT SHALL REMAIN. THE CONTRACTOR SHALL PAY SPECIAL ATTENTION TO ALL EXISTING PLANTER WALLS IN THE EXCAVATION PROCESS. ANY DAMAGE TO EXISTING PLANTER WALLS, THE CONTRACTOR SHALL REPAIR THEM AT NO ADDITIONAL COSTS TO THE OWNER OR THE CITY.
6. QUANTITIES OF DEMOLITION ARE APPROXIMATE. CONTRACTOR SHALL VERIFY IN THE FIELD.

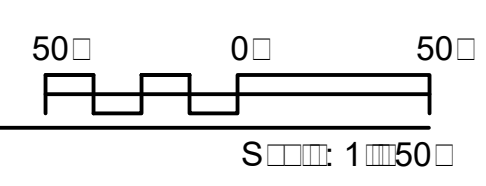
**LEGEND**

- ⊙ EX. TREES TO BE REMOVED
- ⊗ EX. SHRUBS TO BE REMOVED
- ▭ EX. GROUNDCOVER TO BE REMOVED
- ▨ EX. PLANTING BEDS

**DEMOLITION SCHEDULE:**

EXISTING PLANTER EXCAVATION	1,082 CY
EXISTING TREES	21 EA
EXISTING SHRUBS	211 EA
EXISTING GROUNDCOVERS	2,282 SF

**EXISTING CONDITIONS PLAN**





NO.	DATE	DESCRIPTION

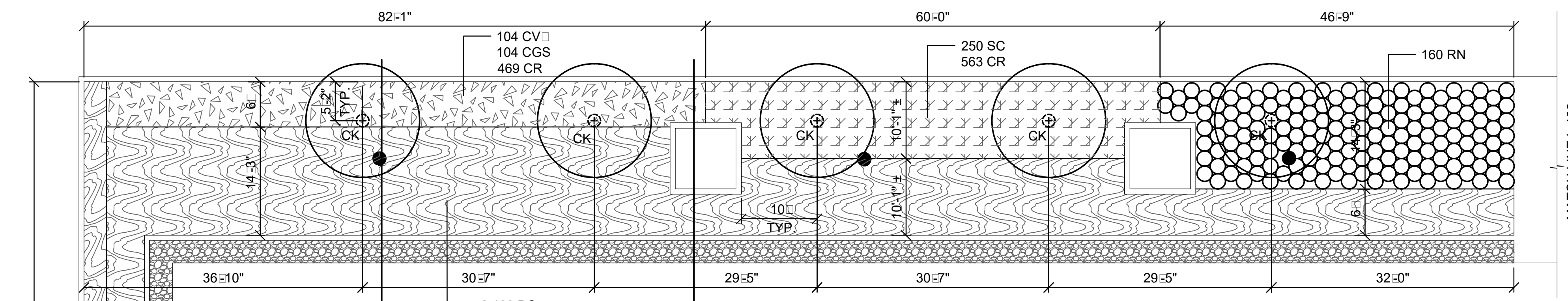
THE BALTIMORE CONVENTION CENTER  
 PLANTER BEDS AND TREE BOXES  
 WATERPROOFING REPLACEMENT  
 1 W PRATT STREET, BALTIMORE, MD 21201  
 CONTRACT NO. GS 18B12

PLANTER 1 WEST  
 LANDSCAPE PLAN  
 & PLANTING  
 MEDIUM SECTIONS  
 (ALTERNATE BID)

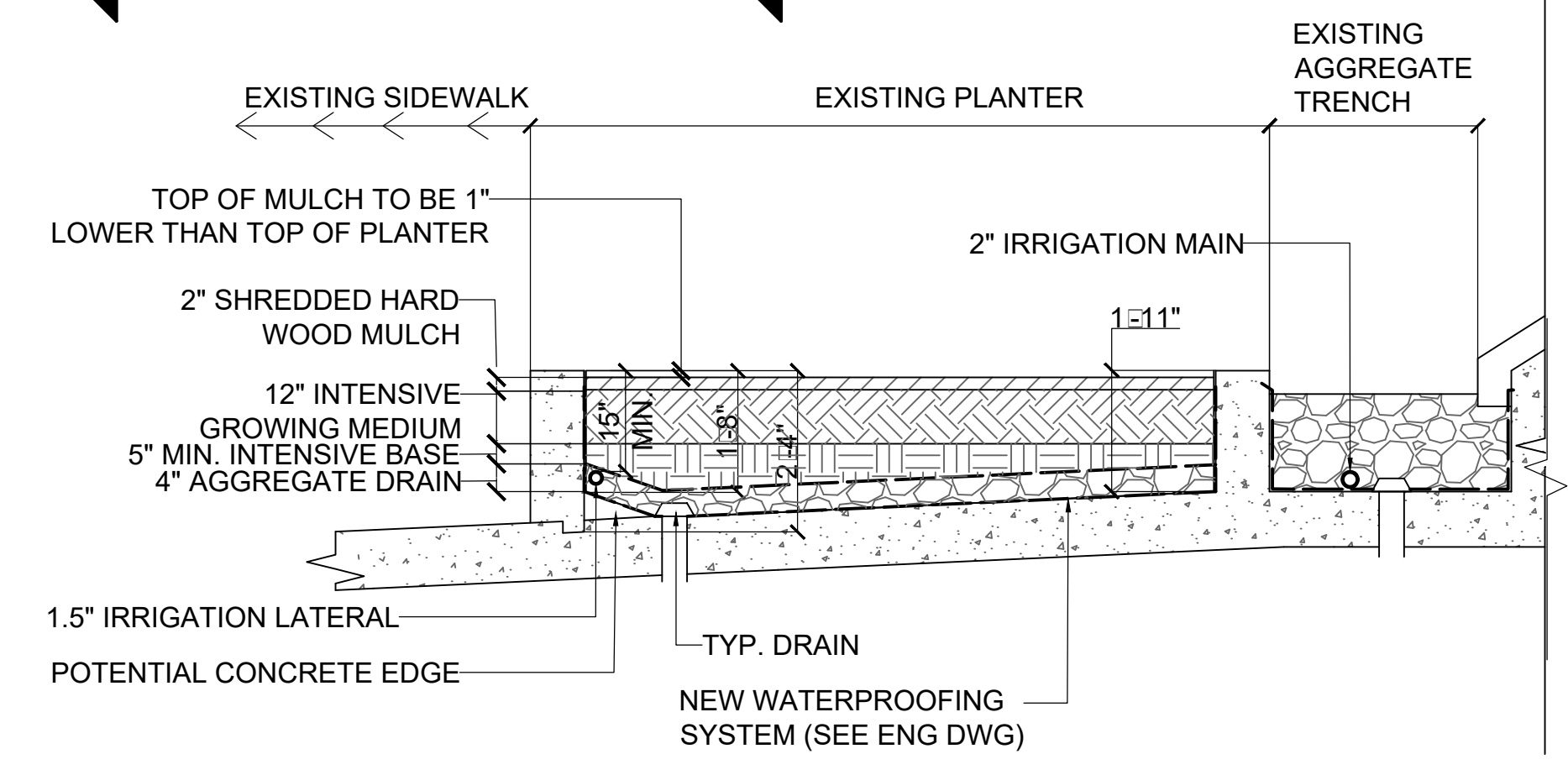
2/20/2020

**SHEET**  
**L2.1**

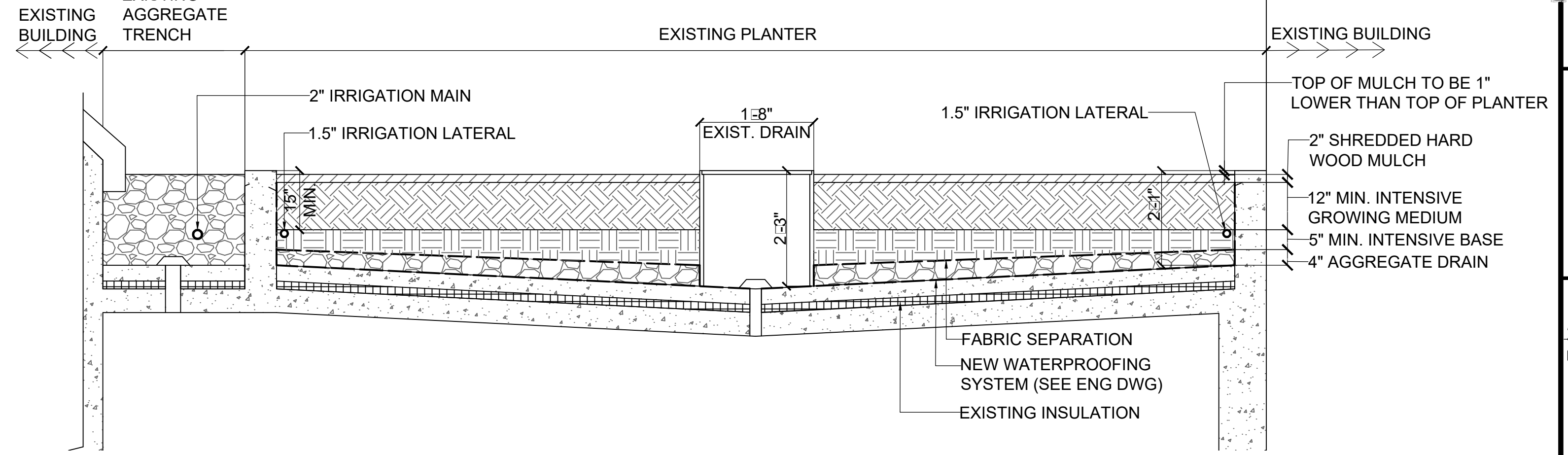
17 OF 25



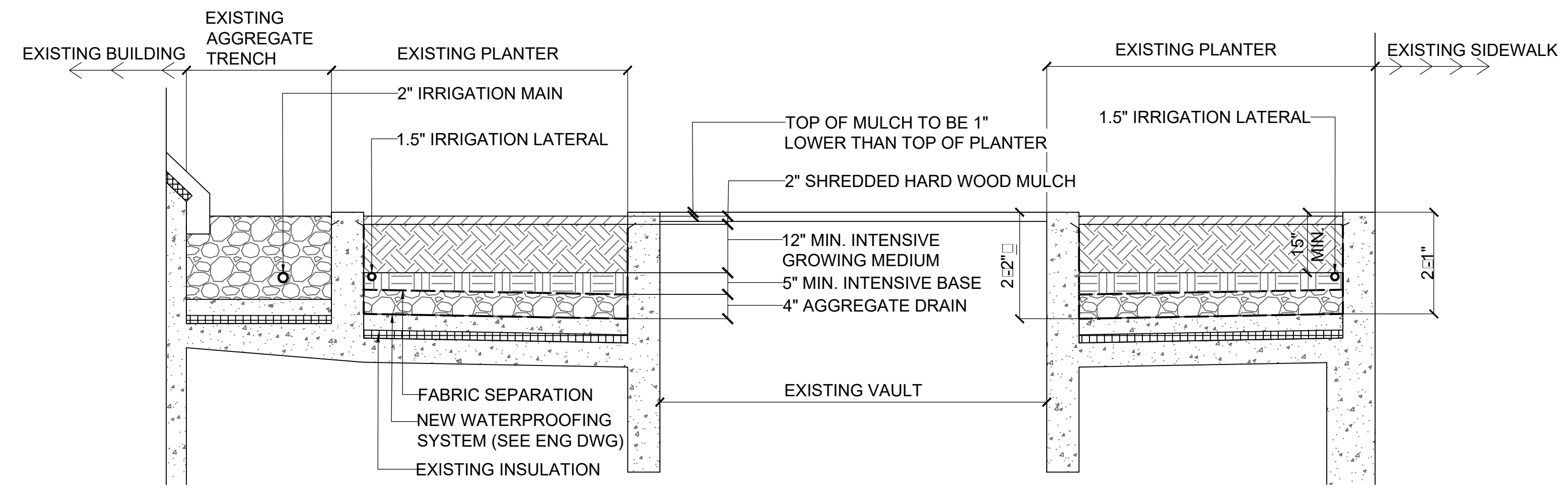
- LEGEND**
- VISIBLE MANHOLE IN FIELD
  - POTENTIAL LOCATION OF INVISIBLE MANHOLE
  - POTENTIAL LOCATION OF INVISIBLE DRAINAGE OPENING
  - ▭ EX. PLANTER WALLS TO REMAIN
  - APPROX TREE ROOT BALL SIZE AT INSTALLATION TO BE 20" DIA X 12" H
  - ▨ EX. AGGREGATE TRENCH



**PLANTER #1 W SECTION (1)**



**PLANTER #1 W SECTION (2)**



**PLANTER #1 W SECTION (3)**

**PLANTER #1 W PLANTING PLAN**

**ADDITIONAL WATERING SCHEDULE**

SYMBOL	NAME	QUANT (MG @ 1,000 GALLONS)
●	MINOR DECIDUOUS TREES	0.38
○	SHRUBS OVER 18"	13.6
▨	PERENNIALS, GRASSES, ANNUALS (PER SF)	11.73
<b>TOTAL</b>		<b>25.70</b>

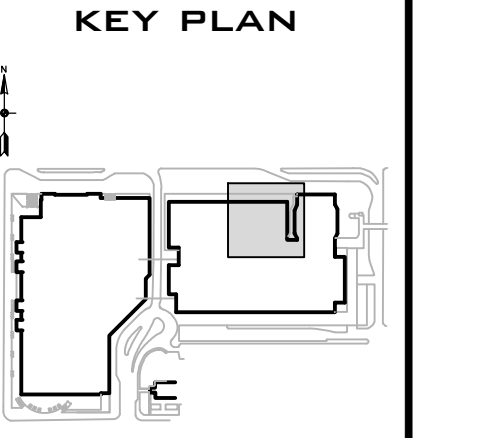
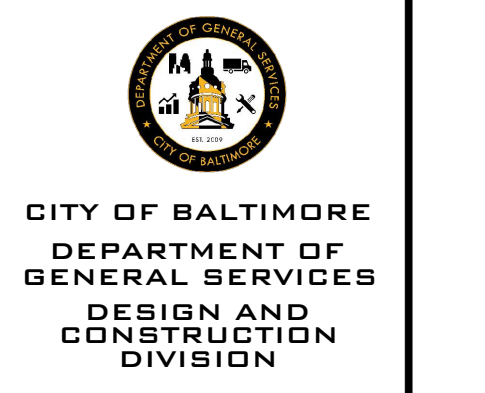
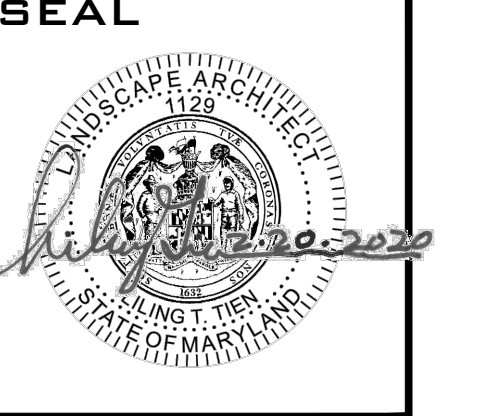
**PLANT SCHEDULE**

SYMBOL KEY	BOTANICAL	COMMON NAME	SPACING	SIZE	ROOT	QUANT
●	CK	CORNUS KOUSA	DOGWOOD	SEE PLAN	1 1/2" CAL.	B&B 5
○	RN	ROSA NOARE	RED FLOWER CARPET	24" O.C.	15" HT MIN.	#2 CONT. 272
▨	BG	BOUTELOUA GRACILLIS	BLONDE AMBITION	BLUE GAMA	12" O.C.	12" HT MIN. #1 CONT. 2,400
▨	CR	CROCUS SPP	CROCUS	RANDOM	TOP SIZE	BULB 1,032
▨	CV	COREOPSIS VERTICILLIATA	AGREB	TICKSEED	18" O.C.	12" HT MIN. #1 CONT. 104
▨	CGS	COREOPSIS GRANDIFLORA	SUNDANCER	SUNDANCER COREOPSIS	18" O.C.	6" HT MIN. #1 CONT. 104
▨	LM	LIRIOPE MASCARI	BIG BLUE	BIG BLUE LIRIOPE	12" O.C.	12" HT MIN. #1 CONT. 478
▨	SC	SALVIA NEMOROSA	CARADONNA	SALVIA	18" O.C.	12" HT MIN. #1 CONT. 250

● BULBS TO BE BROADCASTED TO THE DESIGNATED AREA PRIOR TO PERENNIAL INSTALLATION.  
 □ CV & CG TO BE INTERPLANTED

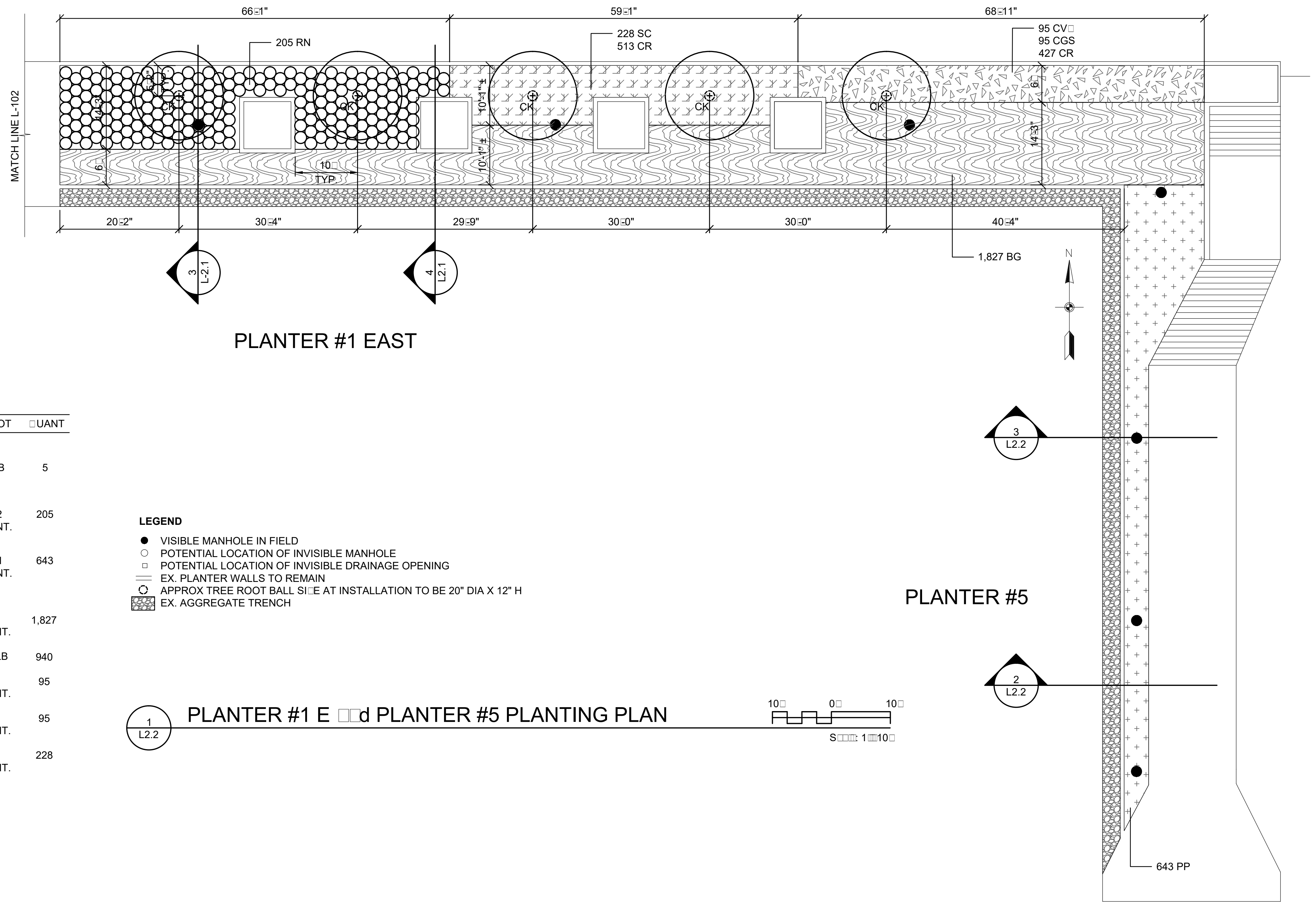
**PLANTING MEDIUM SCHEDULE**

SYMBOL	NAME	QUANT (CUBIC YARDS)
▨	SHREDDED HARD WOOD MULCH	30.72
▨	INTENSIVE GROWING MEDIUM	184.33
▨	INTENSIVE BASE	76.80
▨	AGGREGATE DRAIN	61.44



NO	DATE	DESCRIPTION

THE BALTIMORE CONVENTION CENTER  
 PLANTER BEDS AND TREE BOXES  
 WATERPROOFING REPLACEMENT  
 1 W PRATT STREET, BALTIMORE, MD 21201  
 CONTRACT NO. GS 18B12



PLANTER #1 EAST

PLANTER #5

PLANTER #1 EAST AND PLANTER #5 PLANTING PLAN

PLANT SCHEDULE

SYMBOL KEY	BOTANICAL COMMON NAME	SPACING	SIZE	ROOT	QUANT
------------	-----------------------	---------	------	------	-------

MINOR DECIDUOUS TREE					
	CK CORNUS KOUSA (KOUSA DOGWOOD)	SEE PLAN	1 1/2" CAL.	B&B	5
SHRUBS					
	RN ROSA NOBILIS (RED FLOWER CARPET)	24" O.C.	15" HT. MIN.	#2 CONT.	205
FERNS					
	PP POLYSTICHUM PLYBLEPHARUM (TASSEL FERN)	12" O.C.	12" HT. MIN.	#1 CONT.	643
GROUNDCOVER, PERENNIALS, & GRASSES					
	BG BOUTELOUA GRACILLIS (BLONDE AMBITION) (BLUE GAMA)	12" O.C.	12" HT. MIN.	#1 CONT.	1,827
	CR CROCUS SPP (CROCUS)	RANDOM	TOP SIZE	BULB	940
	CV COREOPSIS VERTICILLIATA (AGREB) (TICKSEED)	18" O.C.	12" HT. MIN.	#1 CONT.	95
	CGS COREOPSIS GRANDIFLORA (SUNDANCER) (SUNDANCER COREOPSIS)	18" O.C.	6" HT. MIN.	#1 CONT.	95
	SC SALVIA NEMOROSA (CARADONNA) (SALVIA)	18" O.C.	12" HT. MIN.	#1 CONT.	228

BULBS TO BE BROADCASTED TO THE DESIGNATED AREA PRIOR TO PERENNIAL INSTALLATION.  
 CV & CG TO BE INTERPLANTED

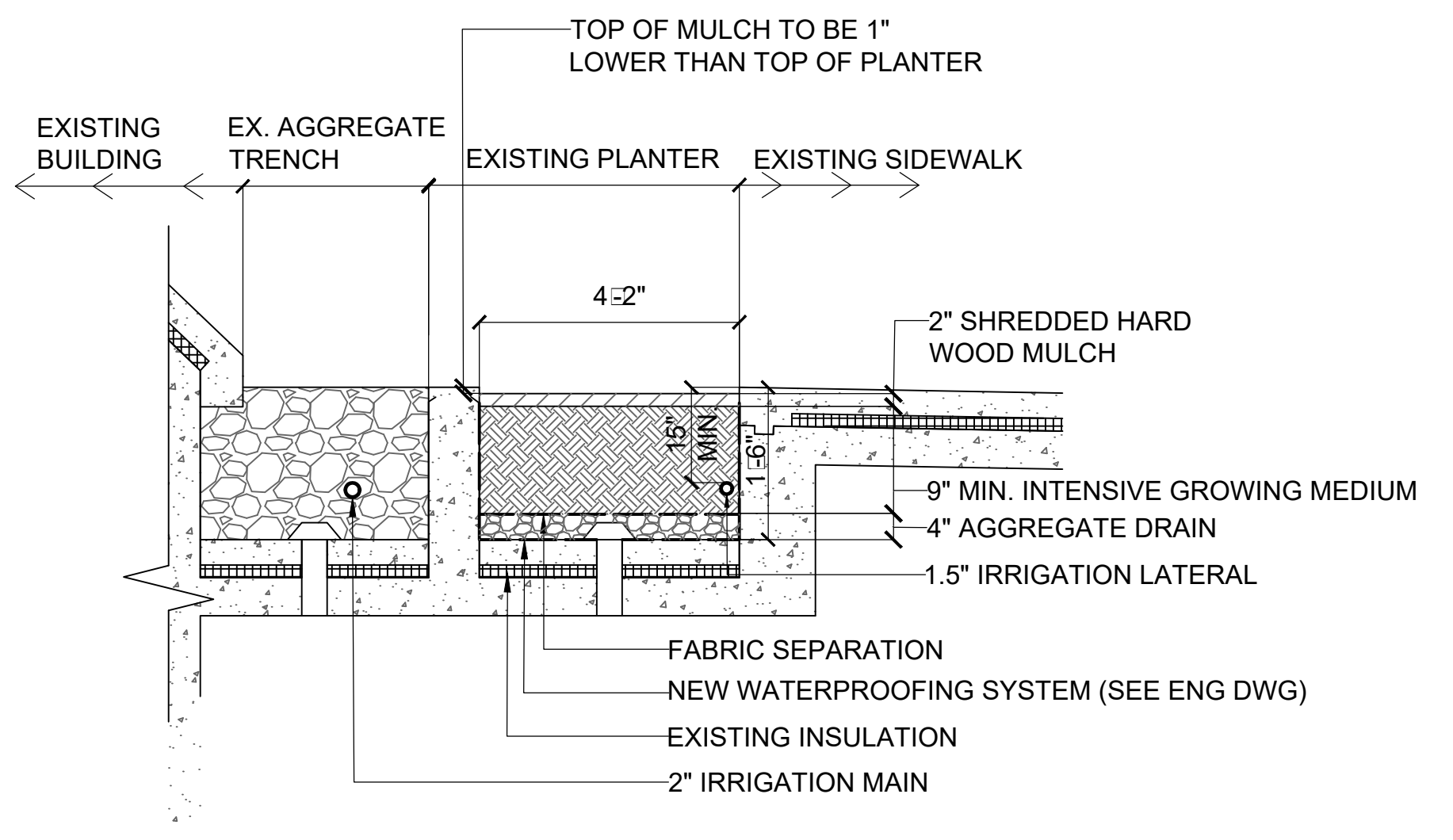
- LEGEND**
- VISIBLE MANHOLE IN FIELD
  - POTENTIAL LOCATION OF INVISIBLE MANHOLE
  - POTENTIAL LOCATION OF INVISIBLE DRAINAGE OPENING
  - ▬ EX. PLANTER WALLS TO REMAIN
  - (with dot) APPROX TREE ROOT BALL SIZE AT INSTALLATION TO BE 20" DIA X 12" H
  - ▨ EX. AGGREGATE TRENCH

PLANTING MEDIUM SCHEDULE

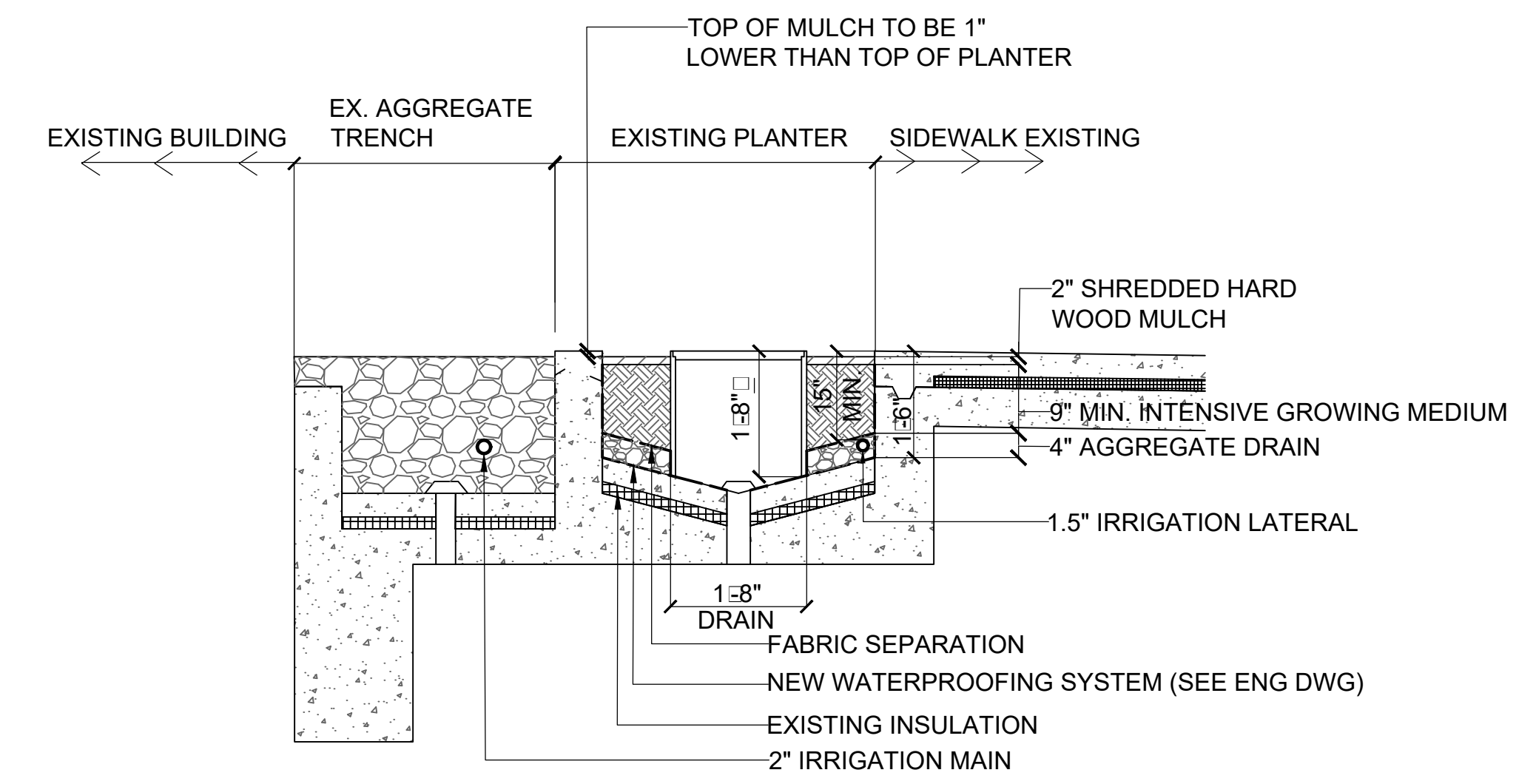
SYMBOL	NAME	QUANT (CUBIC YARDS)
	SHREDDED HARD WOOD MULCH	26.04
	INTENSIVE GROWING MEDIUM	150.30
	INTENSIVE BASE	55.18
	AGGREGATE DRAIN	52.08

ADDITIONAL WATERING SCHEDULE

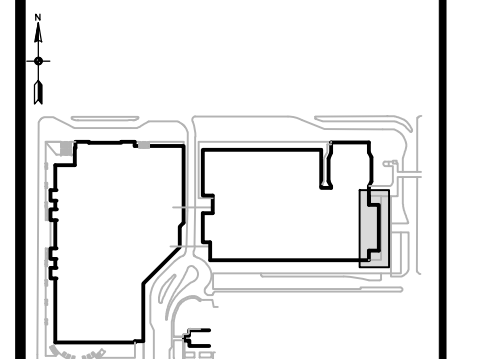
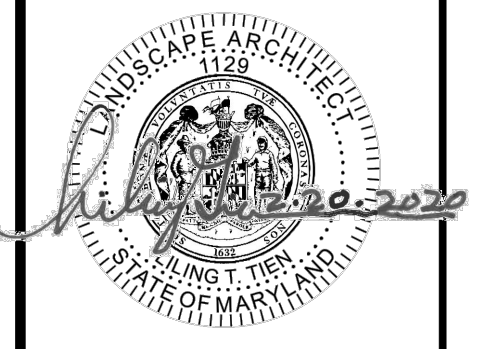
SYMBOL	NAME	QUANT (MG 1,000 GALLONS)
	MINOR DECIDUOUS TREES	0.38
	SHRUBS OVER 18"	10.25
	PERENNIALS, GRASSES, ANNUALS (PER SF)	10.23
	TOTAL	20.86



PLANTER #5 SECTION



PLANTER #5 SECTION



NO.	DATE	DESCRIPTION

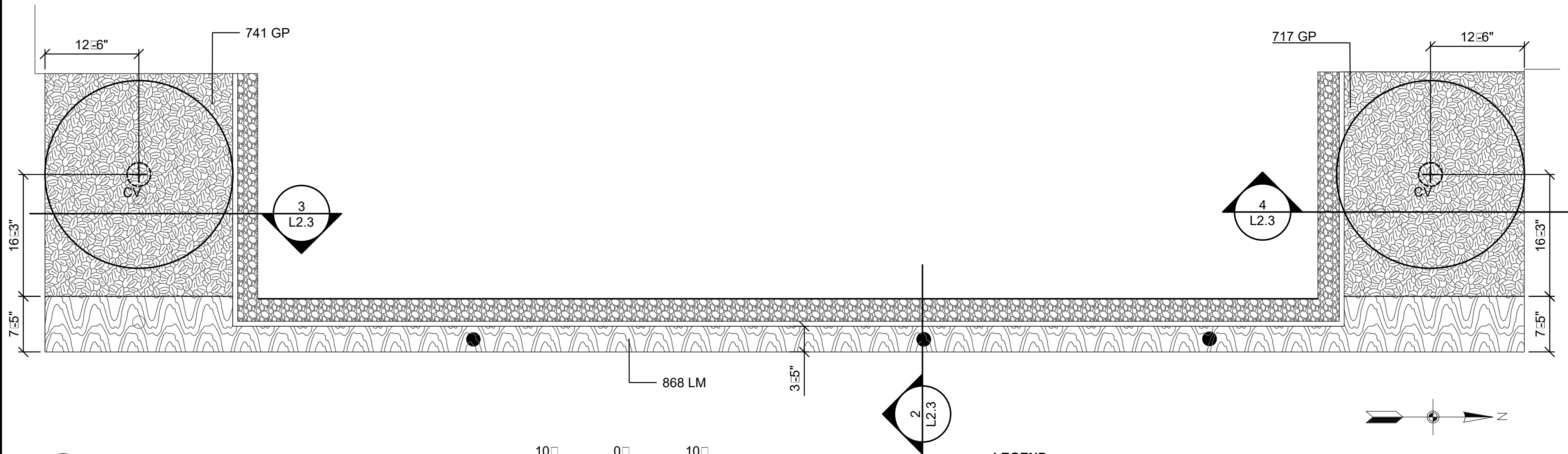
THE BALTIMORE CONVENTION CENTER PLANTER BEDS AND TREE BOXES WATERPROOFING REPLACEMENT 1 W PRATT STREET, BALTIMORE, MD 21201 CONTRACT NO. GS 18B12

PLANTER #4 LANDSCAPE PLAN & PLANTING MEDIUM SECTIONS (ALTERNATE BID)

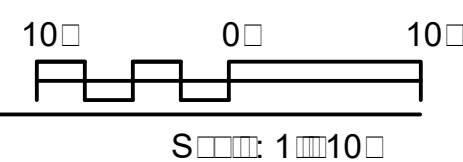
2/20/2020

SHEET L2.3

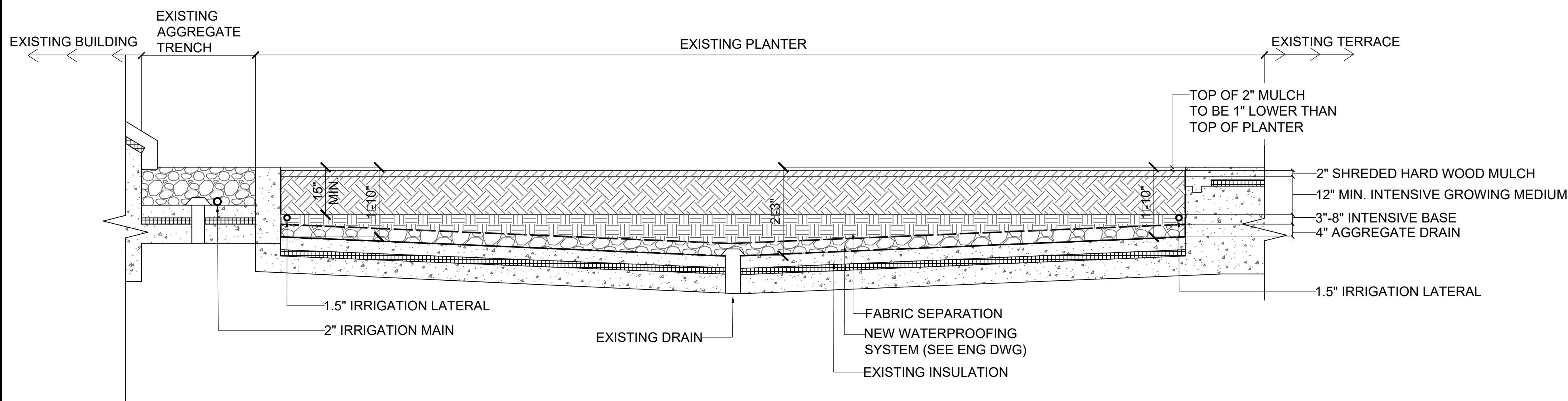
19 OF 25



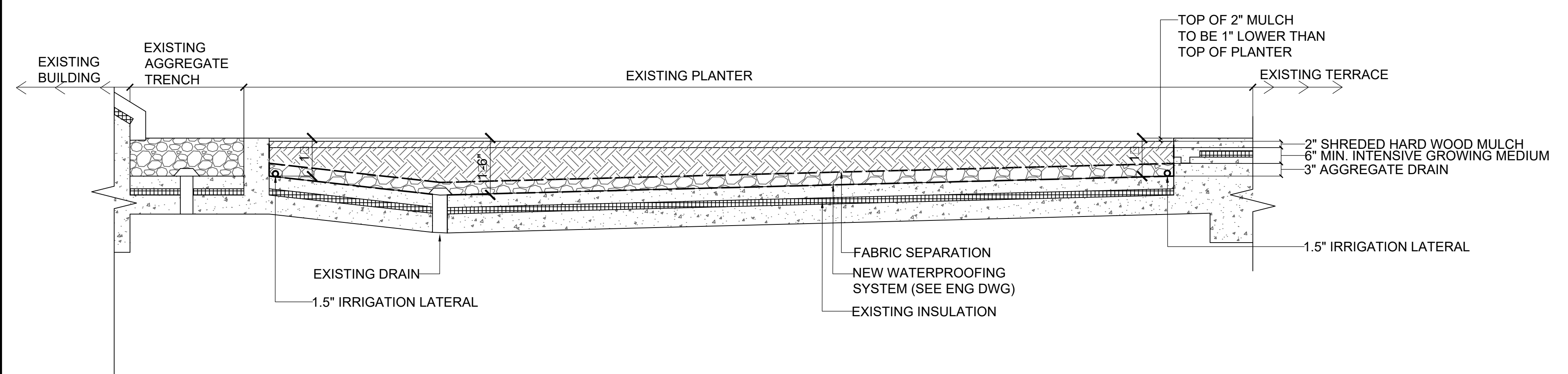
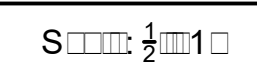
1 L2.3 PLANTER #4 PLANTING PLAN



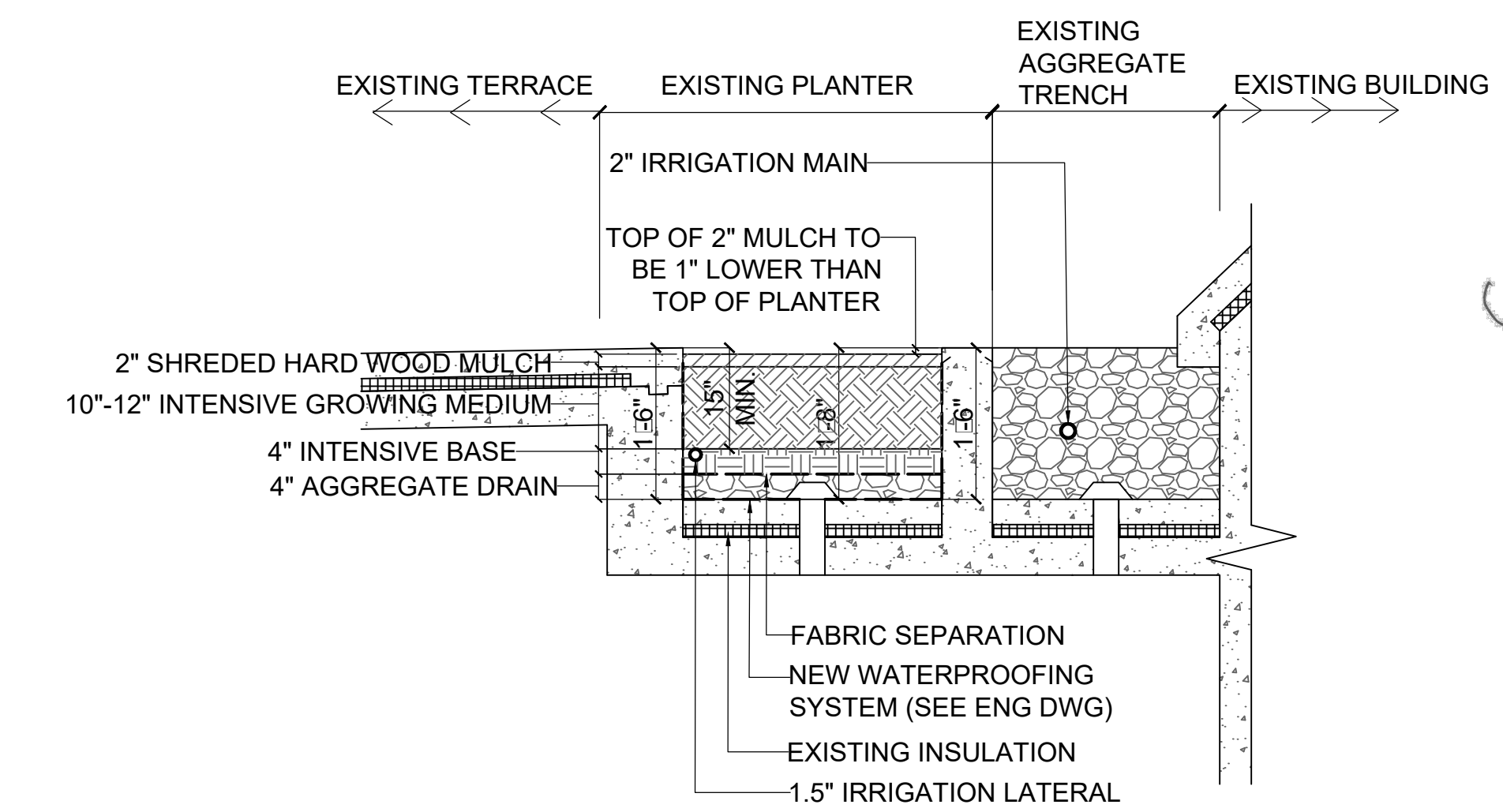
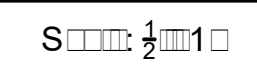
- LEGEND**
- VISIBLE MANHOLE IN FIELD
  - POTENTIAL LOCATION OF INVISIBLE MANHOLE
  - POTENTIAL LOCATION OF INVISIBLE DRAINAGE OPENING
  - ▬ EX. PLANTER WALLS TO REMAIN
  - APPROX TREE ROOT BALL SIZE AT INSTALLATION TO BE 38" DIA X 23" H
  - ▨ EX. AGGREGATE TRENCH



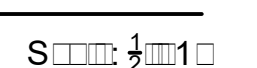
3 L2.3 PLANTER SECTION DETAIL



4 L2.3 PLANTER SECTION DETAIL



2 L2.3 PLANTER SECTION DETAIL



PLANT SCHEDULE

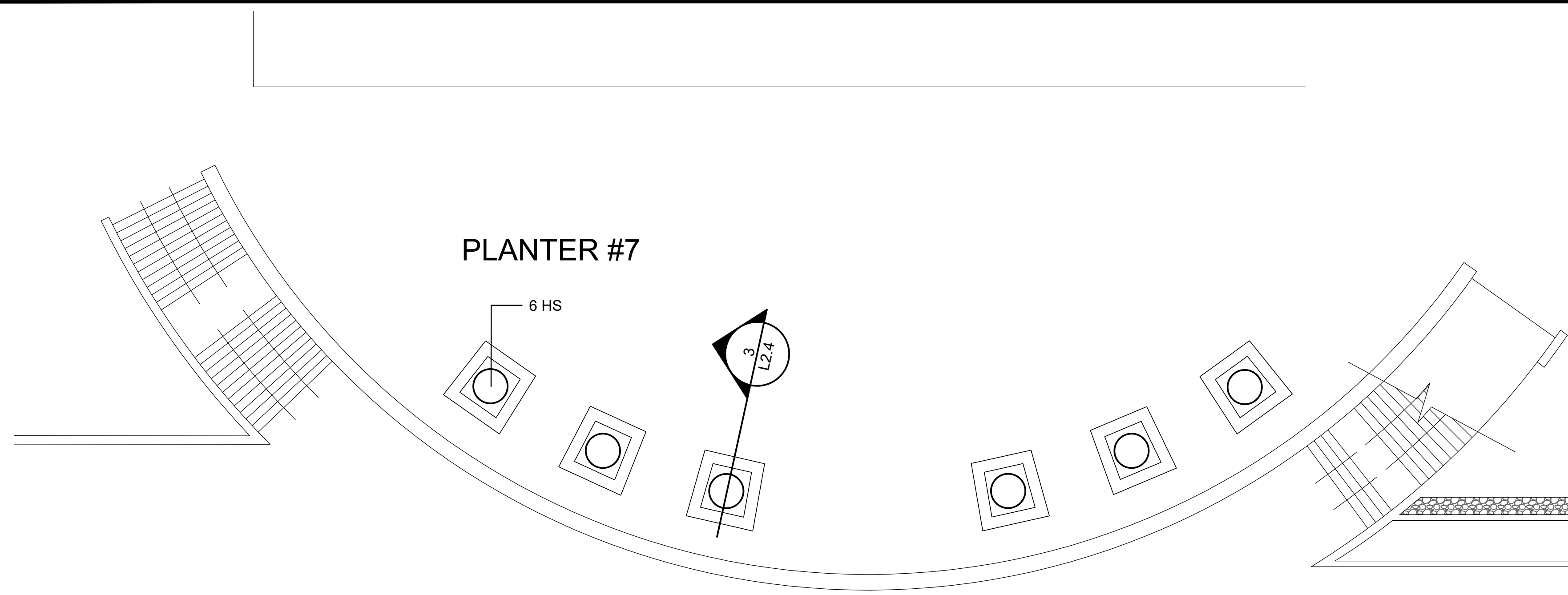
SYMBOL KEY	BOTANICAL/COMMON NAME	SPACING	SIZE	ROOT	QUANT
<b>MINOR DECIDUOUS TREE</b>					
○	CV CHIOANTHUS VIRGINICUS □ FRINGETREE	SEE PLAN	12' HT. MULTI-STEM	B&B	2
<b>GROUND COVER, PERENNIALS, &amp; GRASSES</b>					
▨	GP GAULTHERIA PROCUBENS □ EASTERN TEABERRY	12" O.C.	12" SPD.	#1 CONT.	1,458
▨	LM LIRIOPE MASCARI □ BIG BLUE LIRIOPE	12" O.C.	12" HT. MIN.	#1 CONT.	868

ADDITIONAL WATERING SCHEDULE

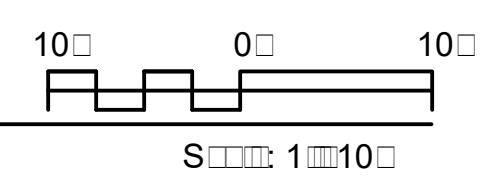
SYMBOL	NAME	QUANT (MG □ 1,000 GALLONS)
○	MINOR DECIDUOUS TREES	0.15
▨	PERENNIALS, GRASSES, ANNUALS (PER SF)	6.98
	<b>TOTAL</b>	<b>7.13</b>

PLANTING MEDIUM SCHEDULE

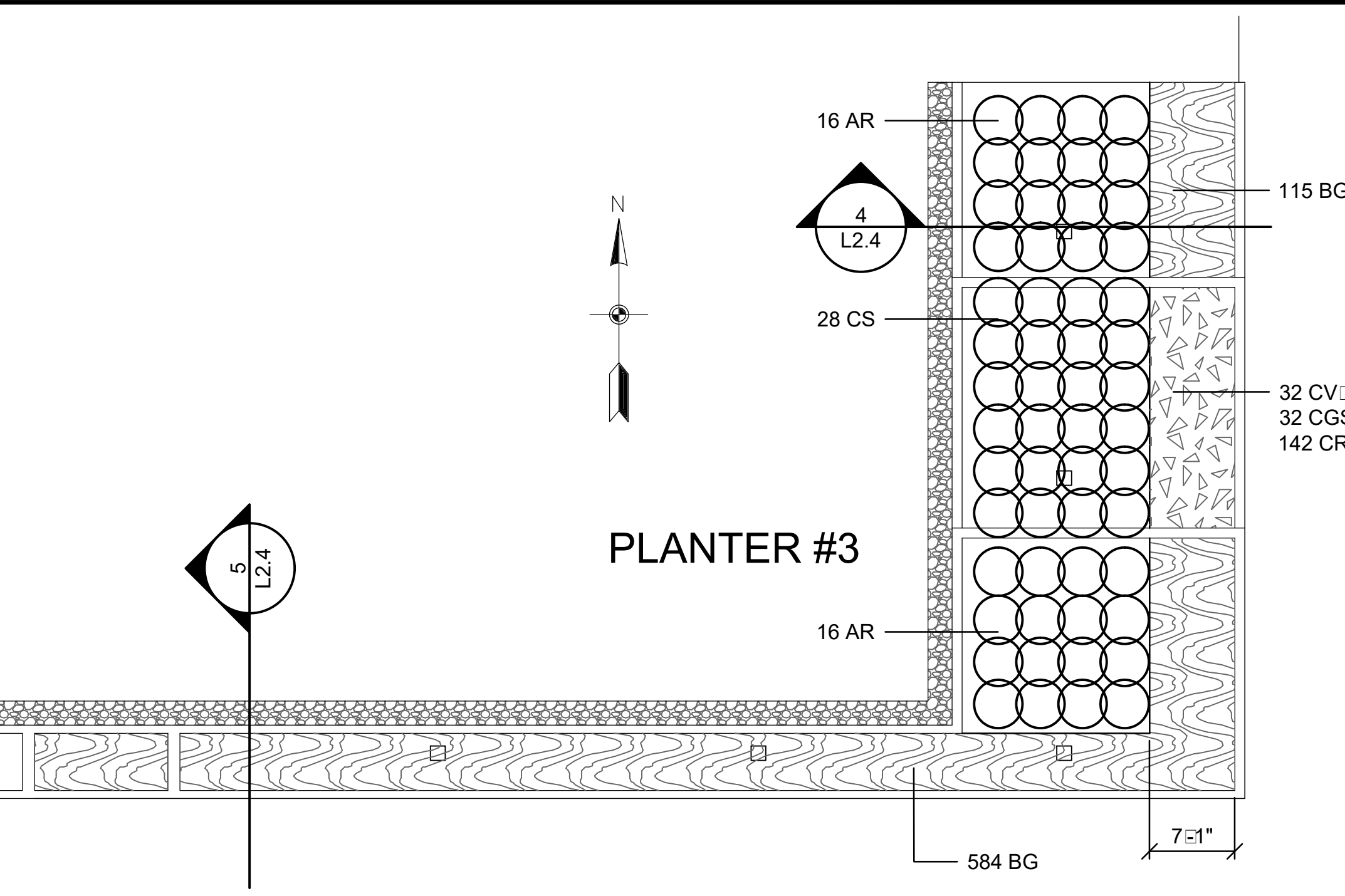
SYMBOL	NAME	QUANT (CUBIC YARDS)
▨	SHREDDED HARD WOOD MULCH	14.37
▨	INTENSIVE GROWING MEDIUM	76.37
▨	INTENSIVE BASE	21.98
▨	AGGREGATE DRAIN	28.74



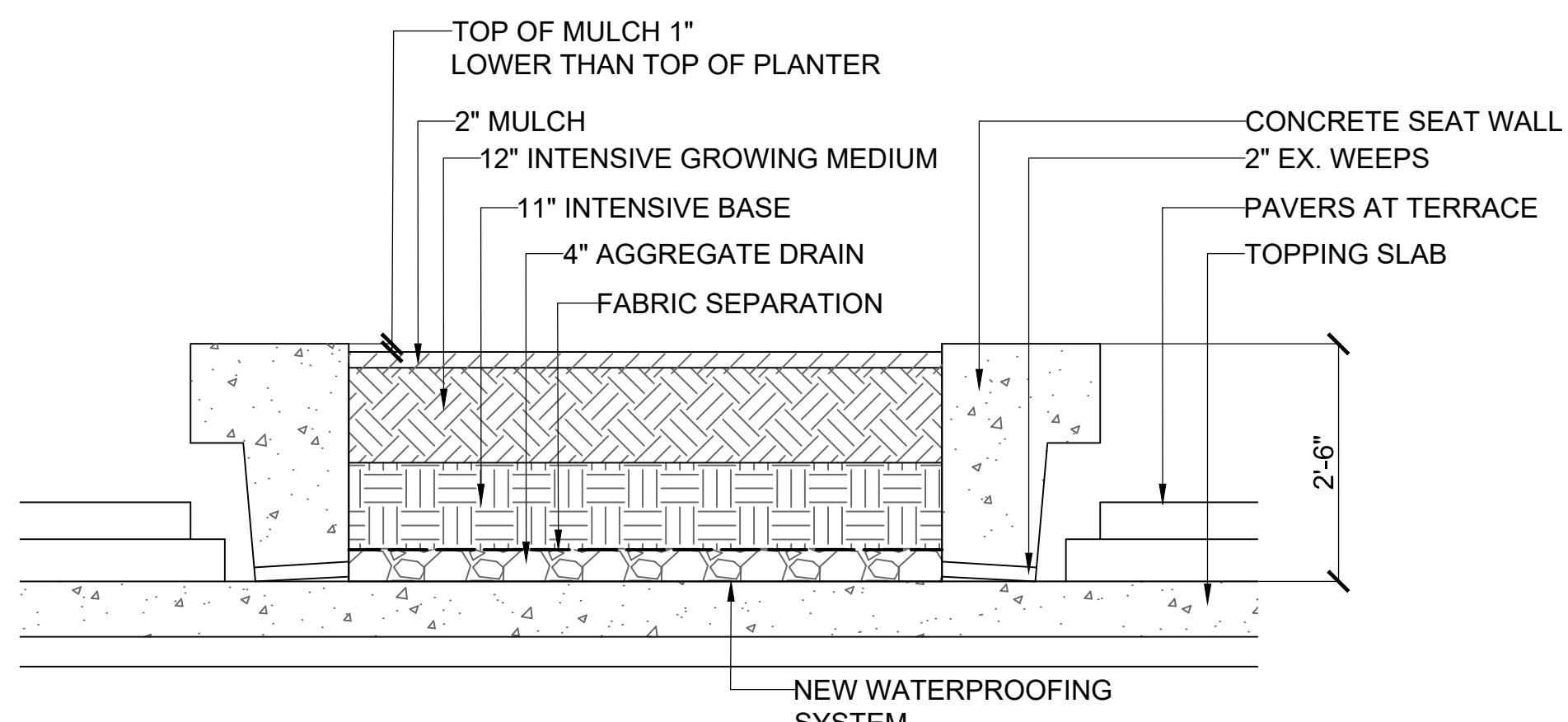
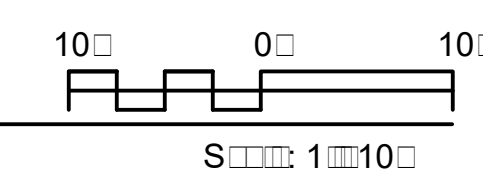
1 L2.4 PLANTER #7 PLANTING PLAN



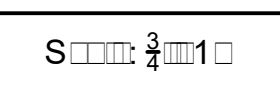
- LEGEND**
- VISIBLE MANHOLE IN FIELD
  - POTENTIAL LOCATION OF INVISIBLE MANHOLE
  - POTENTIAL LOCATION OF INVISIBLE DRAINAGE OPENING
  - ▭ EX. PLANTER WALLS TO REMAIN
  - ▨ EX. AGGREGATE TRENCH



2 L2.4 PLANTER #3 PLANTING PLAN



3 L2.4 PLANTER #7 SECTION



**PLANT SCHEDULE**

SYMBOL KEY	BOTANICAL	COMMON NAME	SPACING	SIZE	ROOT	QUANT
<b>SHRUBS</b>						
○	AR	ABELIA ROSE CREEK	36" O.C.	18" HT. MIN.	#3 CONT.	32
○	CS	CORNUS SERICEA KELSEY DWARF RED OSIER DOGWOOD	36" O.C.	18" HT. MIN.	#3 CONT.	28
○	HS	HIBISCUS SYRIACUS SHARON OF ROSE	SEE PLAN	3' HT.	#5 CONT.	6
<b>GROUND COVER, PERENNIALS, &amp; GRASSES</b>						
▨	BG	BOUTELOUA GRACILLIS BLONDE AMBITION BLUE GAMA	12" O.C.	12" HT. MIN.	#1 CONT.	699
▨	CR	CROCUS SPP CROCUS	RANDOM	TOP SIZE	BULB	142
▨	CV	COREOPSIS VERTICILLIATA AGREB TICKSEED	18" O.C.	12" HT. MIN.	#1 CONT.	32
▨	CGS	COREOPSIS GRANDIFLORA SUNDANCER SUNDANCER COREOPSIS	18" O.C.	6" HT. MIN.	#1 CONT.	32

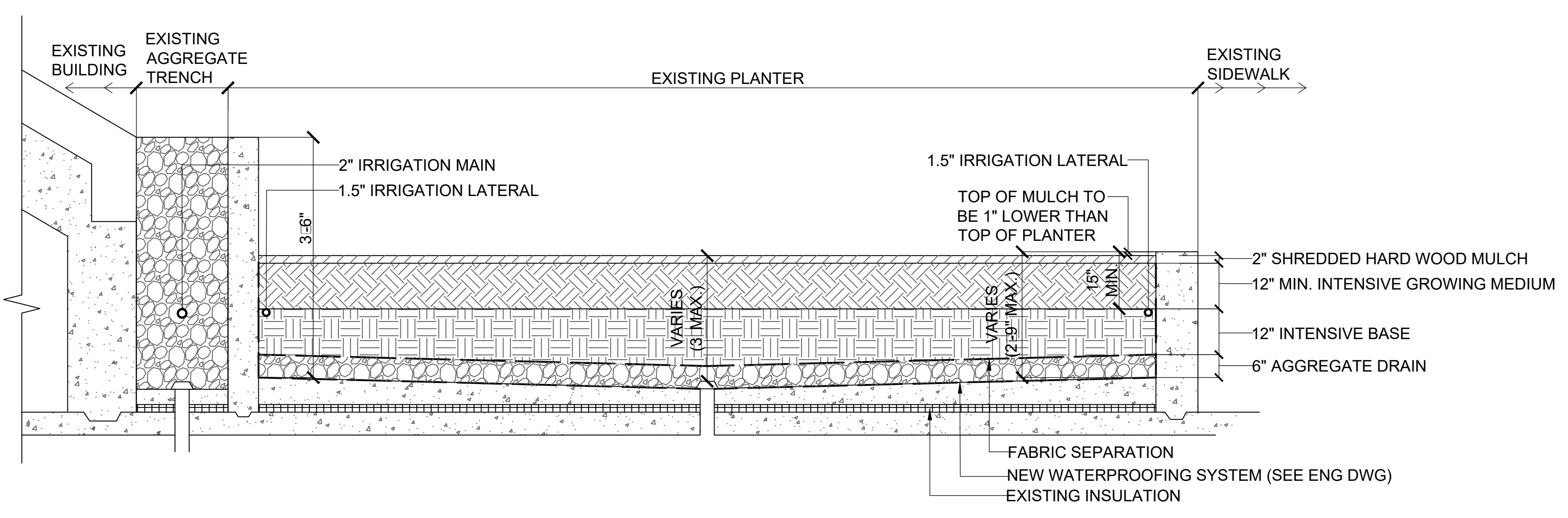
▨ BULBS TO BE BROADCASTED TO THE DESIGNATED AREA PRIOR TO PERENNIAL INSTALLATION.  
 ▨ CV & CG TO BE INTERPLANTED

**PLANTING MEDIUM SCHEDULE**

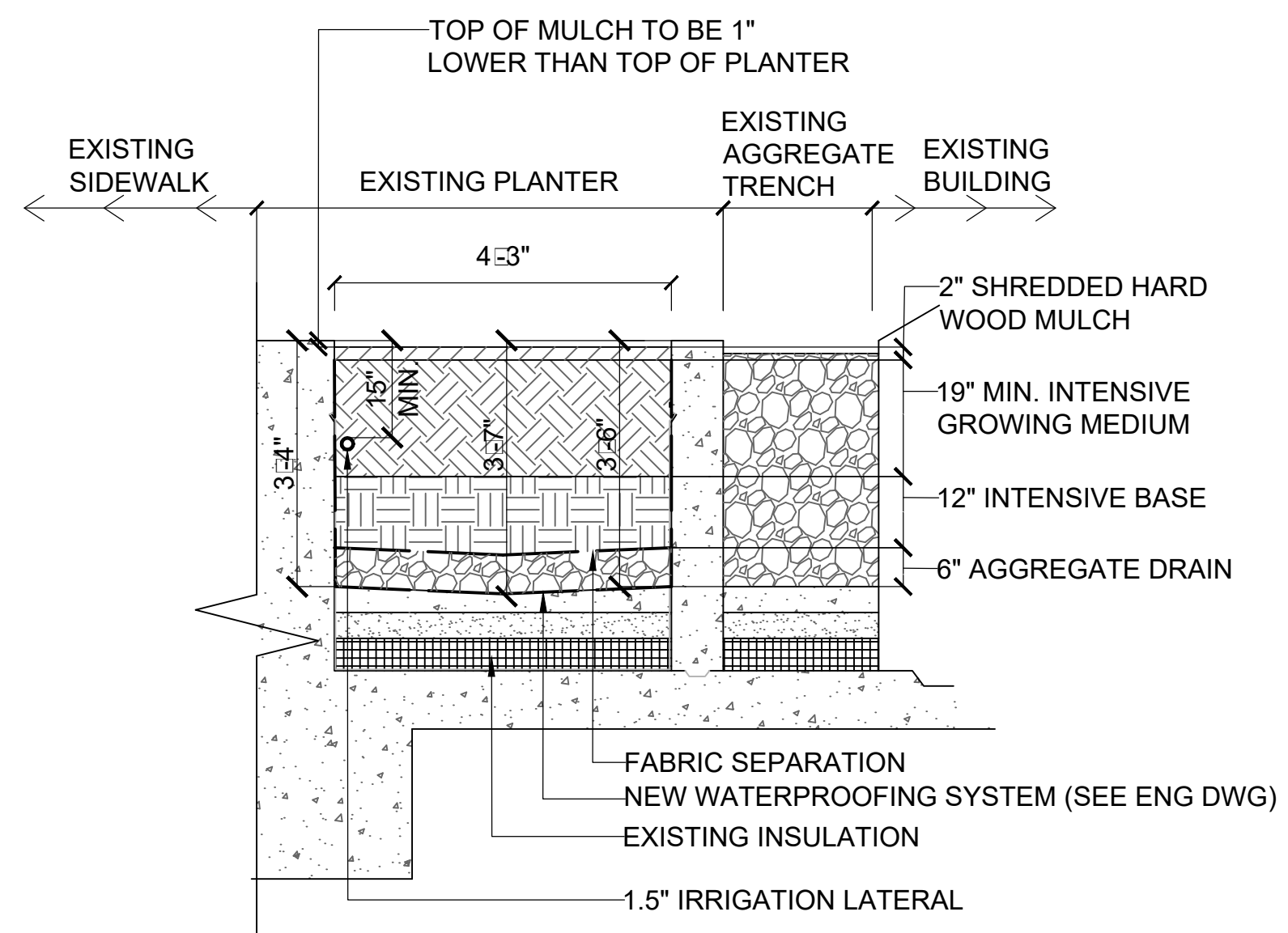
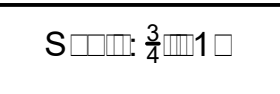
SYMBOL	NAME	QUANT (CUBIC YARDS)
▨	SHREDDED HARD WOOD MULCH	11.19
▨	INTENSIVE GROWING MEDIUM	82.08
▨	INTENSIVE BASE	66.66
▨	AGGREGATE DRAIN	32.61

**ADDITIONAL WATERING SCHEDULE**

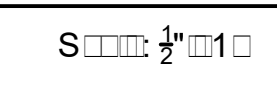
SYMBOL	NAME	QUANT (MG @ 1,000 GALLONS)
○	SHRUBS OVER 18"	3.10
▨	PERENNIALS, GRASSES, ANNUALS (PER SF)	2.52
<b>TOTAL</b>		<b>5.62</b>



4 L2.4 PLANTER #3 SECTION



5 L2.4 PLANTER #3 SECTION

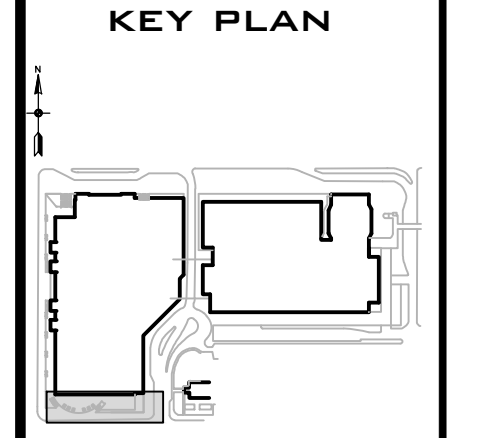


**CONSULTANTS**  
**ALPHA CORPORATION**  
 1800 WASHINGTON BOULEVARD SUITE 425 BALTIMORE, MD 33126

**P.E.L.A. DESIGN, INC.**  
 LANDSCAPE ARCHITECTS  
 7402 YORK ROAD, SUITE 201 TOWSON, MD 21284 TEL. 410.296.3990



**CITY OF BALTIMORE**  
 DEPARTMENT OF GENERAL SERVICES  
 DESIGN AND CONSTRUCTION DIVISION



NO.	DATE	DESCRIPTION

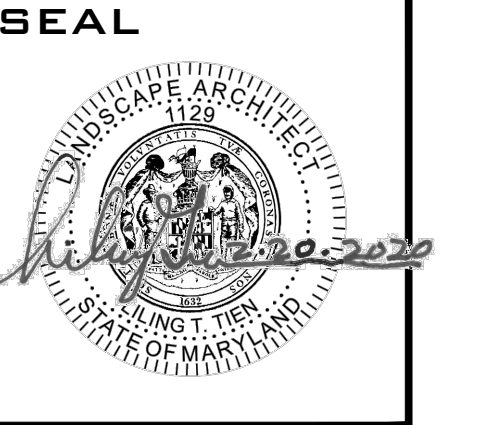
THE BALTIMORE CONVENTION CENTER  
 PLANTER BEDS AND TREE BOXES  
 WATERPROOFING REPLACEMENT  
 1 W PRATT STREET, BALTIMORE, MD 21201  
 CONTRACT NO. GS 18B12

PLANTER #7 & #3  
 LANDSCAPE PLAN & PLANTING  
 MEDIUM SECTIONS  
 (BASE BID)

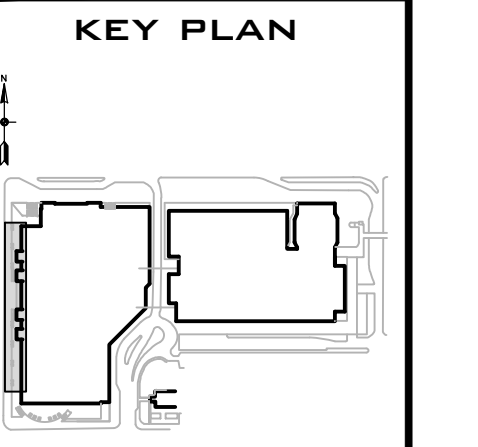
CONSULTANTS

**ALPHA CORPORATION**  
 1800 WASHINGTON BOULEVARD  
 SUITE 425  
 BALTIMORE, MD 33126

**P.E.L.A. DESIGN, INC.**  
 LANDSCAPE ARCHITECTS  
 7402 YORK ROAD, SUITE 201  
 TOWSON, MD 21284  
 TEL. 410.296.3990



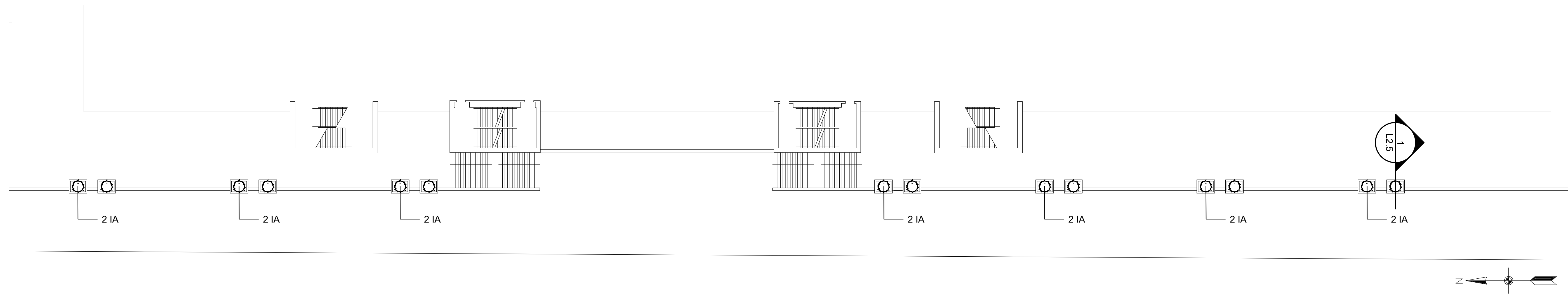
**CITY OF BALTIMORE**  
 DEPARTMENT OF GENERAL SERVICES  
 DESIGN AND CONSTRUCTION DIVISION



NO.	DATE	DESCRIPTION

THE BALTIMORE CONVENTION CENTER  
 PLANTER BEDS AND TREE BOXES  
 WATERPROOFING REPLACEMENT  
 1 W PRATT STREET, BALTIMORE, MD 21201  
 CONTRACT NO. GS 18B12

PLANTER #6  
 LANDSCAPE PLAN & PLANTING  
 MEDIUM SECTIONS  
 (BASE BID)  
 2/20/2020  
**SHEET L2.5**  
 21 OF 25



1 L-2.5 **PLANTER #6 PLANTING PLAN**  
 Scale: 1" = 20'-0"

**PLANT SCHEDULE**

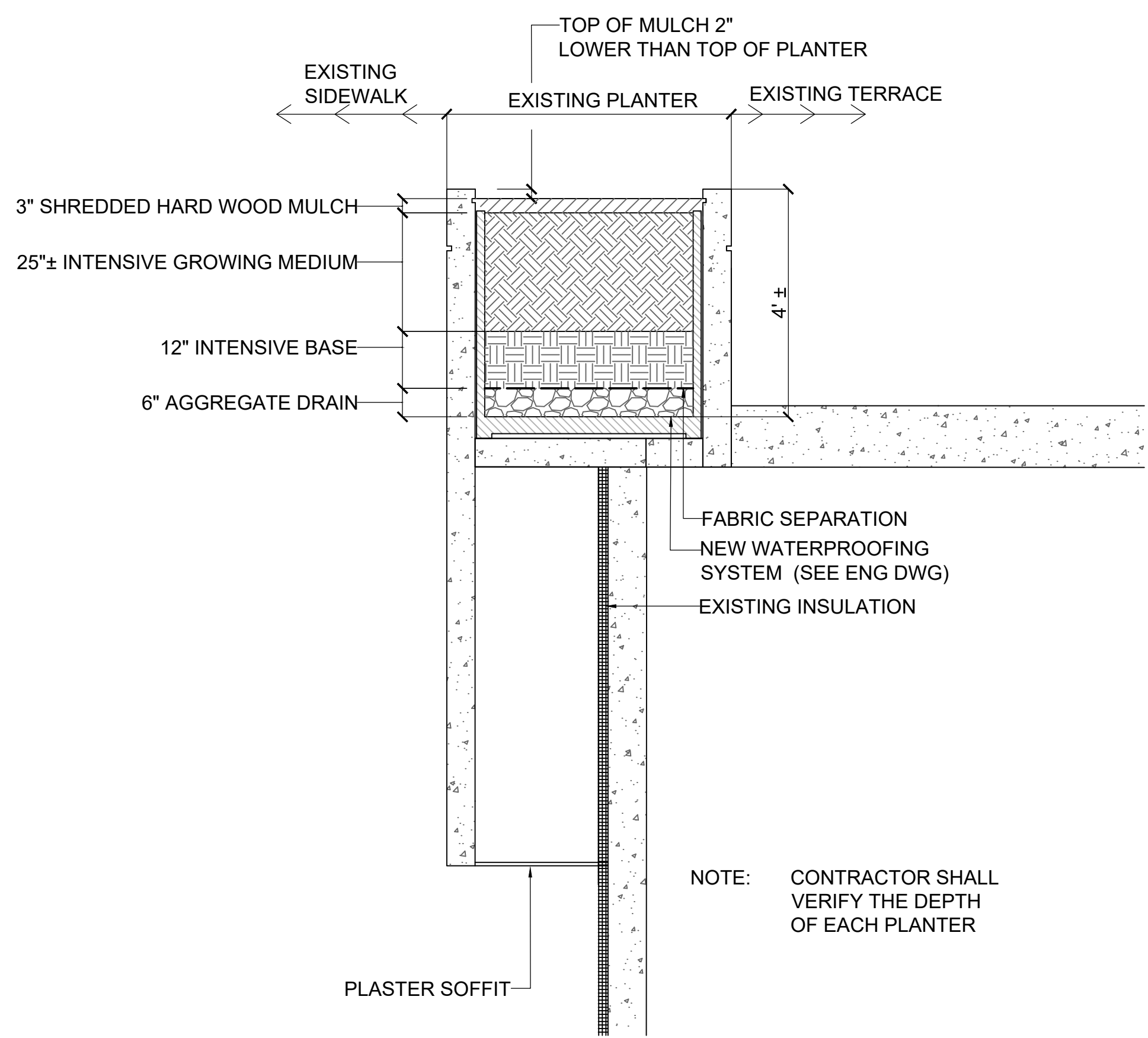
SYMBOL KEY	BOTANICAL COMMON NAME	SPACING	SIZE	ROOT	QUANT
IA	ILEX AUIPERNYI MESCHICKO DRAGON LADY HOLLY	SEE PLAN	3" HT.	B&B	14

**PLANTING MEDIUM SCHEDULE**

SYMBOL	NAME	QUANT (CUBIC YARDS)
(Hatched pattern)	SHREDDED HARD WOOD MULCH	2.98
(Cross-hatched pattern)	INTENSIVE GROWING MEDIUM	20.87
(Horizontal lines)	INTENSIVE BASE	11.92
(Dotted pattern)	AGGREGATE DRAIN	5.96

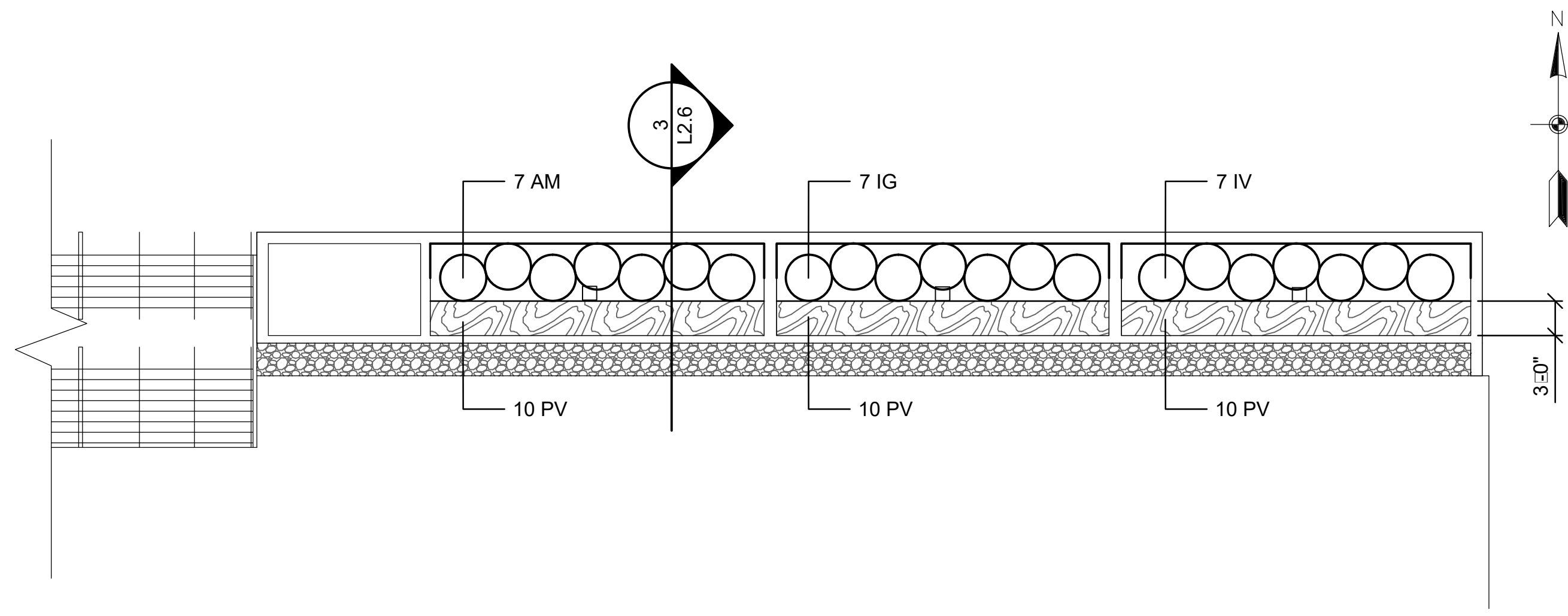
**ADDITIONAL WATERING SCHEDULE**

SYMBOL	NAME	QUANT (MG ± 1,000 GALLONS)
(Circle with dots)	EVERGREEN TREES	1.4
	TOTAL	1.4

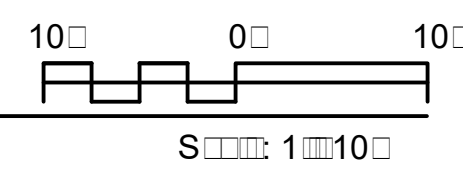


NOTE: CONTRACTOR SHALL VERIFY THE DEPTH OF EACH PLANTER

2 L2.5 **PLANTER #6 SECTION, TYPICAL**  
 Scale: 1/2" = 1'-0"



1 L2.6 **PLANTER #2 PLANTING PLAN**



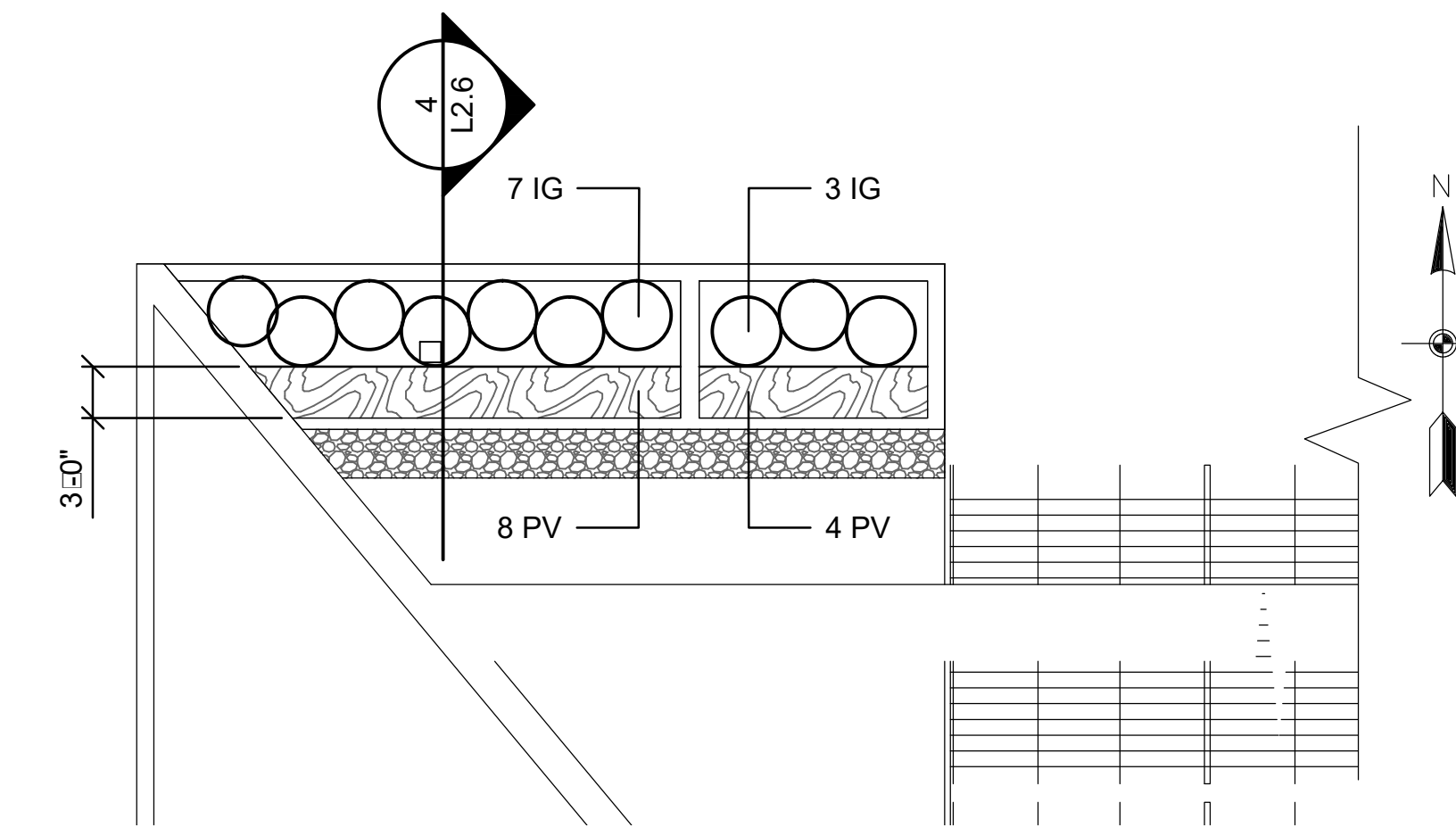
- LEGEND**
- VISIBLE MANHOLE IN FIELD
  - POTENTIAL LOCATION OF INVISIBLE MANHOLE
  - POTENTIAL LOCATION OF INVISIBLE DRAINAGE OPENING
  - ▨ EX. PLANTER WALLS TO REMAIN
  - ▩ EX. AGGREGATE TRENCH

**ADDITIONAL WATERING SCHEDULE**

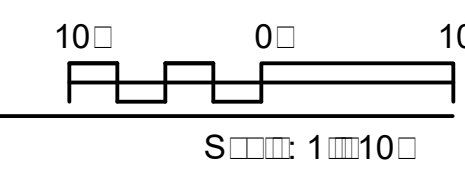
SYMBOL	NAME	QUANT (MG @ 1,000 GALLONS)
○	SHRUBS OVER 18"	1.55
▩	PERENNIALS, GRASSES, ANNUALS (PER SF)	1.13
	<b>TOTAL</b>	<b>2.68</b>

**PLANTING MEDIUM SCHEDULE**

SYMBOL	NAME	QUANT (CUBIC YARDS)
▨	SHREDDED HARD WOOD MULCH	8.48
▩	INTENSIVE GROWING MEDIUM	79.85
▩	INTENSIVE BASE	50.88
▩	AGGREGATE DRAIN	18.90

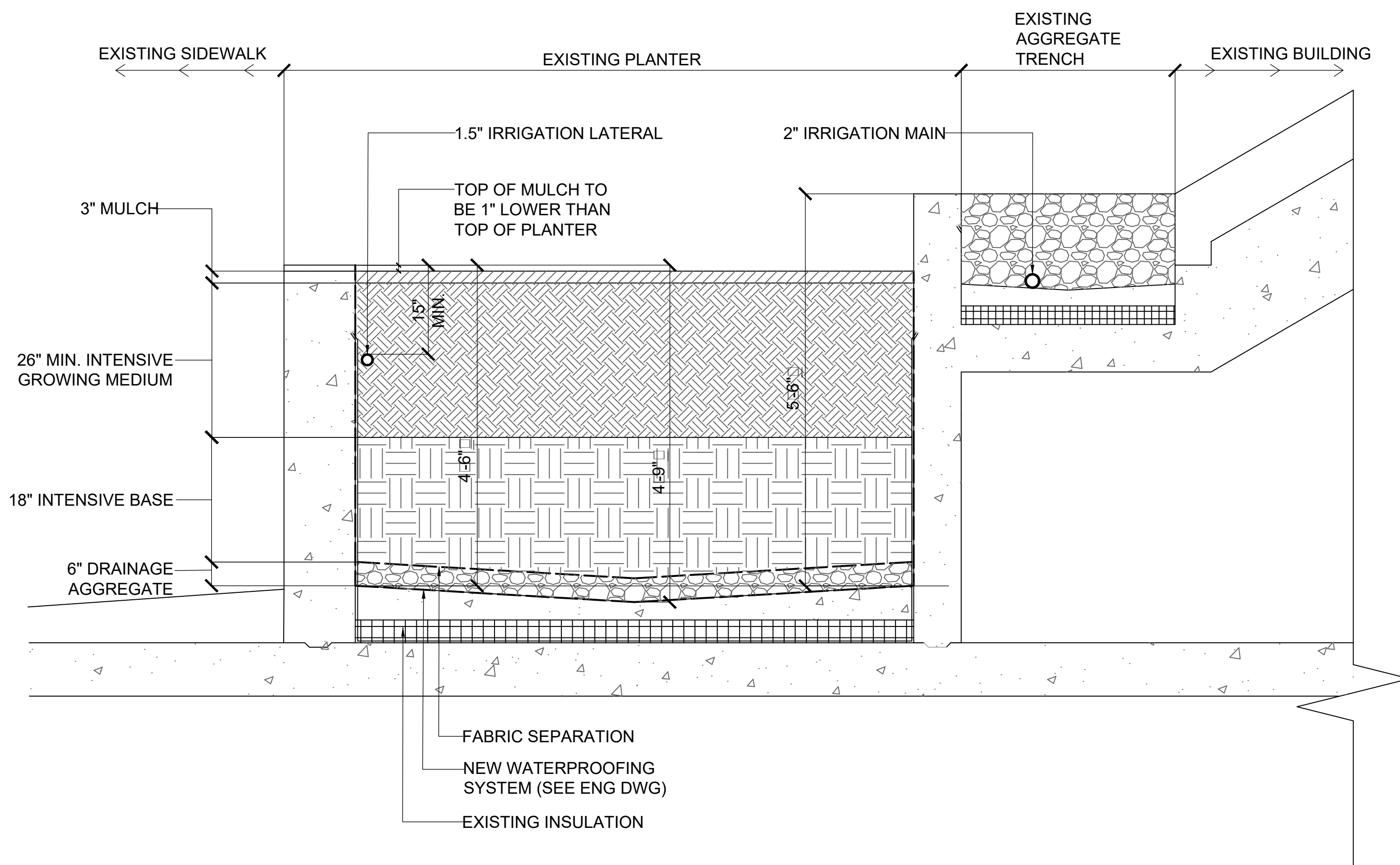


2 L2.6 **PLANTER #8 PLANTING PLAN**

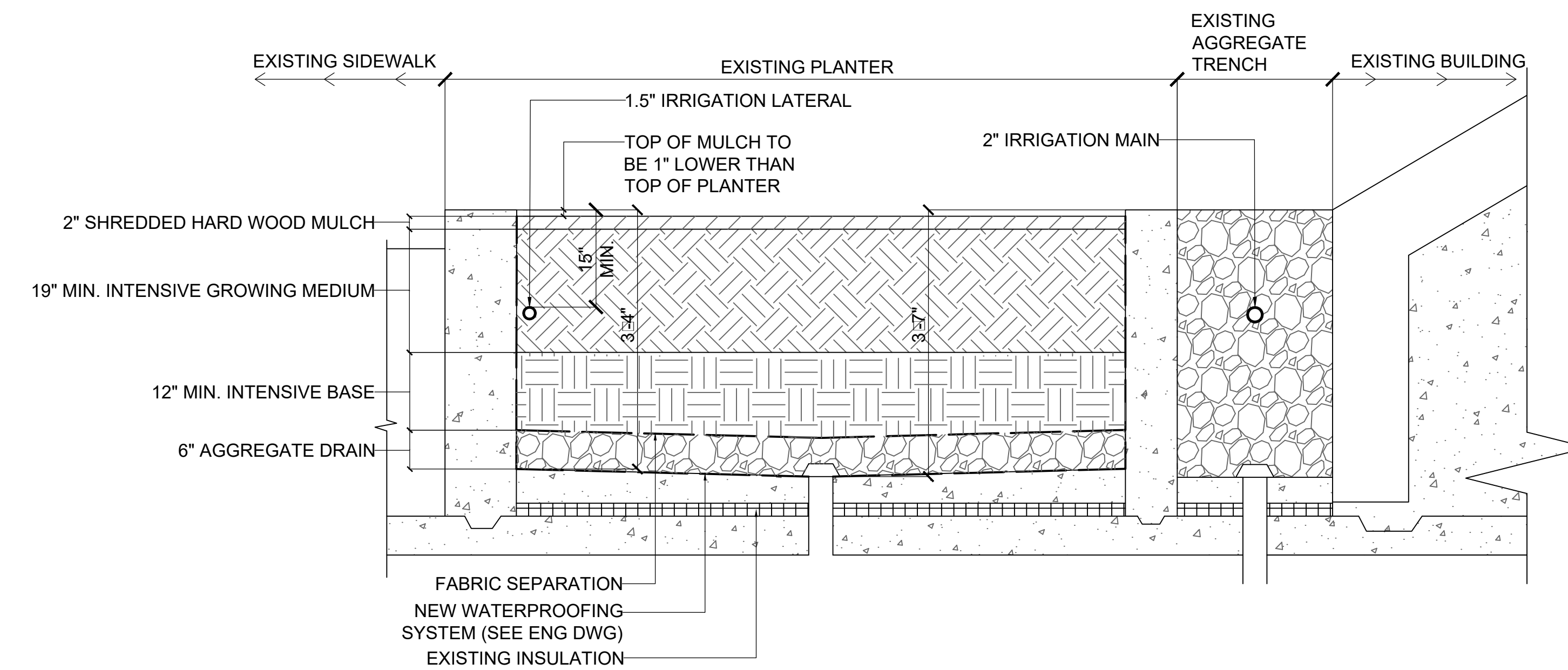
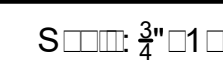


**PLANT SCHEDULE**

SYMBOL KEY	BOTANICAL COMMON NAME	SPACING	SIZE	ROOT	QUANT
<b>SHRUBS</b>					
○	AM ARONIA MELANOCARPA MORTON	36" O.C.	24" HT. MIN.	#5	7
○	IRO IROUIUS BEAUTY CHOKEBERRY			CONT.	
○	IG ILEX GLABRA SHAMROCK	36" O.C.	24" HT. MIN.	#5	17
○	IG SHAMROCK INKBERRY			CONT.	
○	IV ITEA VIRGINICA LITTLE HENRY	36" O.C.	24" HT. MIN.	#5	7
○	IV LITTLE HENRY VIRGINIA SWEETSPIRE			CONT.	
<b>GROUNDCOVER, PERENNIALS, &amp; GRASSES</b>					
▩	PV PANICUM VIRGATUM CLOUD NINE	36" O.C.	24" HT. MIN.	#3	42
▩	PV BLUE SWITCHGRASS			CONT.	



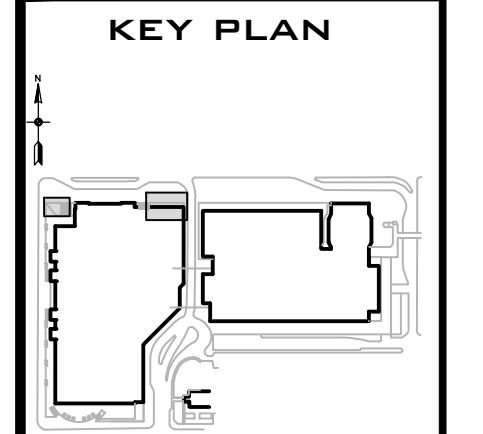
3 L2.6 **PLANTER #2 SECTION DETAIL**



4 L2.6 **PLANTER #8 SECTION DETAIL**



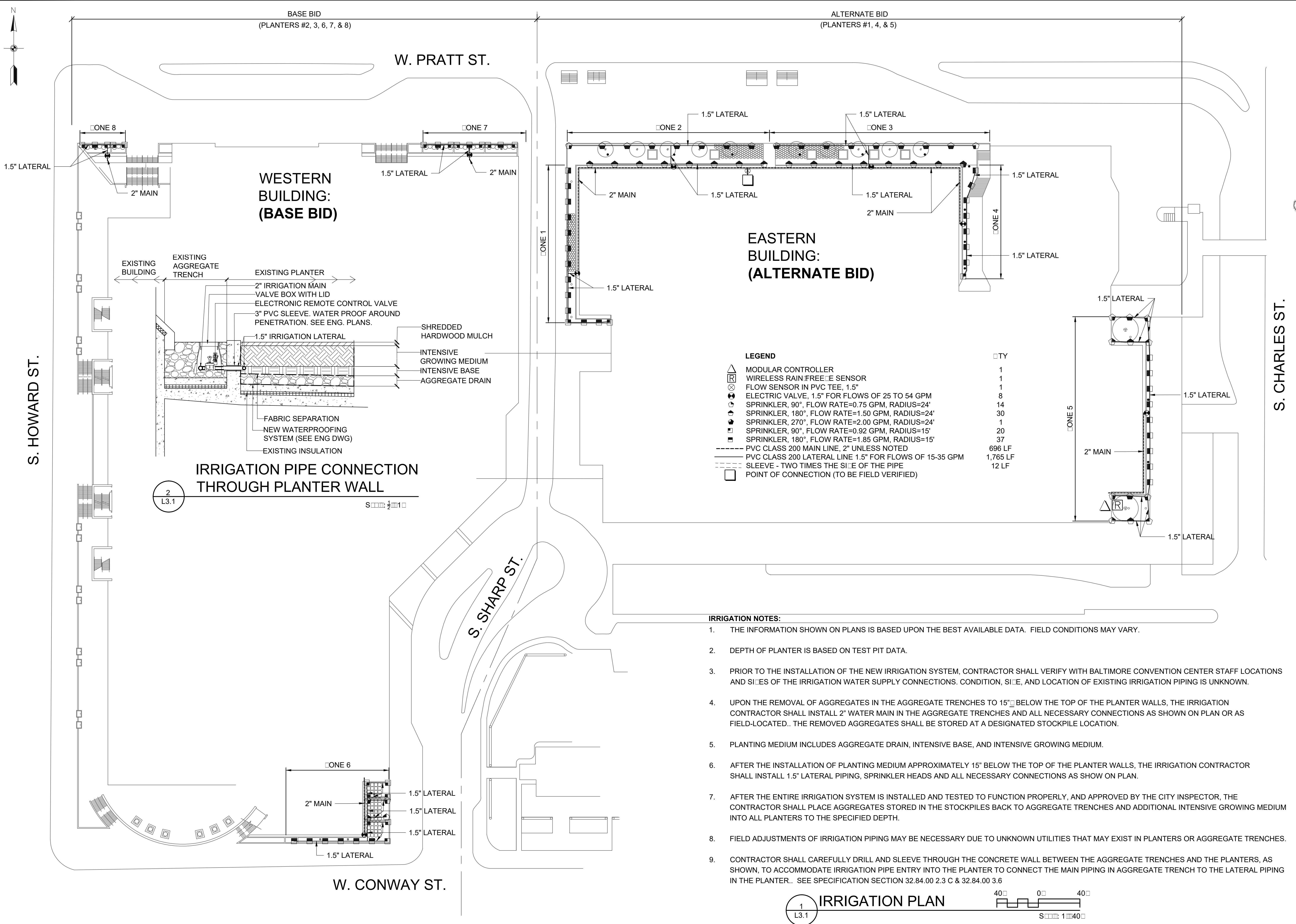
CONSULTANTS



NO.	DATE	DESCRIPTION

THE BALTIMORE CONVENTION CENTER  
 PLANTER BEDS AND TREE BOXES  
 WATERPROOFING REPLACEMENT  
 1 W PRATT STREET, BALTIMORE, MD 21201  
 CONTRACT NO. GS 18812

PLANTER #2 & #8  
 LANDSCAPE PLAN  
 & PLANTING  
 MEDIUM SECTIONS  
 (BASE BID)



**LEGEND**

△	MODULAR CONTROLLER	TY	1
R	WIRELESS RAIN/FREEZE SENSOR		1
⊗	FLOW SENSOR IN PVC TEE, 1.5"		1
○	ELECTRIC VALVE, 1.5" FOR FLOWS OF 25 TO 54 GPM		8
•	SPRINKLER, 90°, FLOW RATE=0.75 GPM, RADIUS=24"		14
•	SPRINKLER, 180°, FLOW RATE=1.50 GPM, RADIUS=24"		30
•	SPRINKLER, 270°, FLOW RATE=2.00 GPM, RADIUS=24"		1
•	SPRINKLER, 90°, FLOW RATE=0.92 GPM, RADIUS=15"		20
•	SPRINKLER, 180°, FLOW RATE=1.85 GPM, RADIUS=15"		37
- - -	PVC CLASS 200 MAIN LINE, 2" UNLESS NOTED	LF	696
- - -	PVC CLASS 200 LATERAL LINE 1.5" FOR FLOWS OF 15-35 GPM	LF	1,765
- - -	SLEEVE - TWO TIMES THE SIZE OF THE PIPE	LF	12
□	POINT OF CONNECTION (TO BE FIELD VERIFIED)		

**IRRIGATION NOTES:**

1. THE INFORMATION SHOWN ON PLANS IS BASED UPON THE BEST AVAILABLE DATA. FIELD CONDITIONS MAY VARY.
2. DEPTH OF PLANTER IS BASED ON TEST PIT DATA.
3. PRIOR TO THE INSTALLATION OF THE NEW IRRIGATION SYSTEM, CONTRACTOR SHALL VERIFY WITH BALTIMORE CONVENTION CENTER STAFF LOCATIONS AND SIZES OF THE IRRIGATION WATER SUPPLY CONNECTIONS. CONDITION, SIZE, AND LOCATION OF EXISTING IRRIGATION PIPING IS UNKNOWN.
4. UPON THE REMOVAL OF AGGREGATES IN THE AGGREGATE TRENCHES TO 15" BELOW THE TOP OF THE PLANTER WALLS, THE IRRIGATION CONTRACTOR SHALL INSTALL 2" WATER MAIN IN THE AGGREGATE TRENCHES AND ALL NECESSARY CONNECTIONS AS SHOWN ON PLAN OR AS FIELD-LOCATED. THE REMOVED AGGREGATES SHALL BE STORED AT A DESIGNATED STOCKPILE LOCATION.
5. PLANTING MEDIUM INCLUDES AGGREGATE DRAIN, INTENSIVE BASE, AND INTENSIVE GROWING MEDIUM.
6. AFTER THE INSTALLATION OF PLANTING MEDIUM APPROXIMATELY 15" BELOW THE TOP OF THE PLANTER WALLS, THE IRRIGATION CONTRACTOR SHALL INSTALL 1.5" LATERAL PIPING, SPRINKLER HEADS AND ALL NECESSARY CONNECTIONS AS SHOWN ON PLAN.
7. AFTER THE ENTIRE IRRIGATION SYSTEM IS INSTALLED AND TESTED TO FUNCTION PROPERLY, AND APPROVED BY THE CITY INSPECTOR, THE CONTRACTOR SHALL PLACE AGGREGATES STORED IN THE STOCKPILES BACK TO AGGREGATE TRENCHES AND ADDITIONAL INTENSIVE GROWING MEDIUM INTO ALL PLANTERS TO THE SPECIFIED DEPTH.
8. FIELD ADJUSTMENTS OF IRRIGATION PIPING MAY BE NECESSARY DUE TO UNKNOWN UTILITIES THAT MAY EXIST IN PLANTERS OR AGGREGATE TRENCHES.
9. CONTRACTOR SHALL CAREFULLY DRILL AND SLEEVE THROUGH THE CONCRETE WALL BETWEEN THE AGGREGATE TRENCHES AND THE PLANTERS, AS SHOWN, TO ACCOMMODATE IRRIGATION PIPE ENTRY INTO THE PLANTER TO CONNECT THE MAIN PIPING IN AGGREGATE TRENCH TO THE LATERAL PIPING IN THE PLANTER. SEE SPECIFICATION SECTION 32.84.00 2.3 C & 32.84.00 3.6

**CONSULTANTS**

**ALPHA CORPORATION**  
 1800 WASHINGTON BOULEVARD  
 SUITE 425  
 BALTIMORE, MD 33126

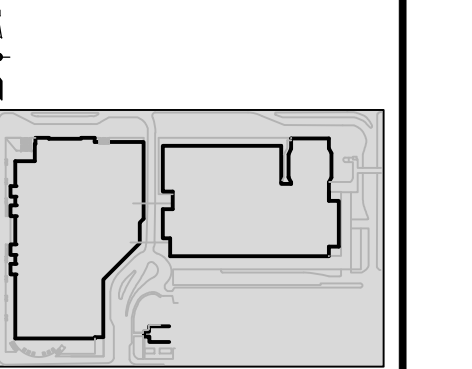
**P.E.L.A. DESIGN, INC.**  
 LANDSCAPE ARCHITECTS  
 7402 YORK ROAD, SUITE 201  
 TOWSON, MD 21284  
 TEL. 410.296.3990

**SEAL**



**CITY OF BALTIMORE**  
 DEPARTMENT OF GENERAL SERVICES  
 DESIGN AND CONSTRUCTION DIVISION

**KEY PLAN**



**NO. DATE DESCRIPTION**

NO.	DATE	DESCRIPTION

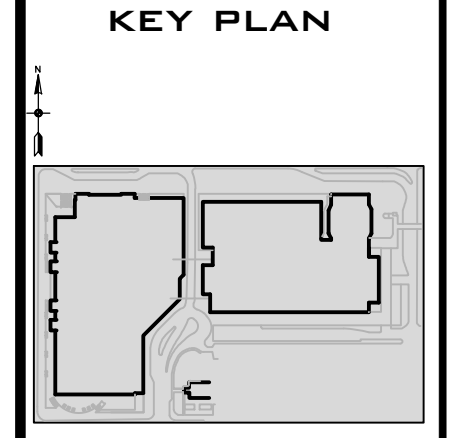
**THE BALTIMORE CONVENTION CENTER**  
 PLANTER BEDS AND TREE BOXES  
 WATERPROOFING REPLACEMENT  
 1 W PRATT STREET, BALTIMORE, MD 21201  
 CONTRACT NO. GS 18B12

**PLANTING IRRIGATION PLAN**

2/20/2020

**SHEET L3.1**

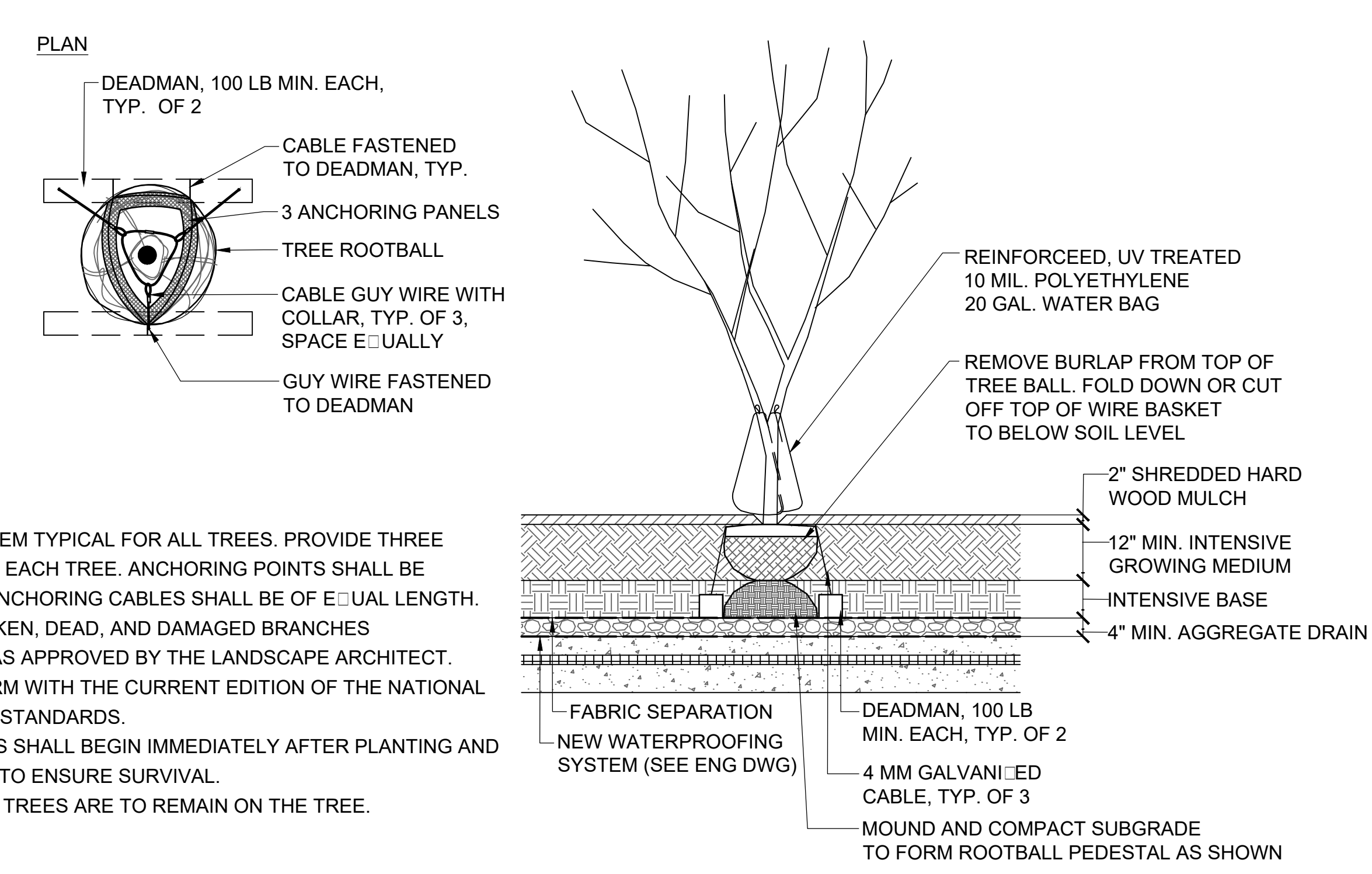
23 OF 25



NO	DATE	DESCRIPTION

THE BALTIMORE CONVENTION CENTER  
PLANTER BEDS AND TREE BOXES  
WATERPROOFING REPLACEMENT

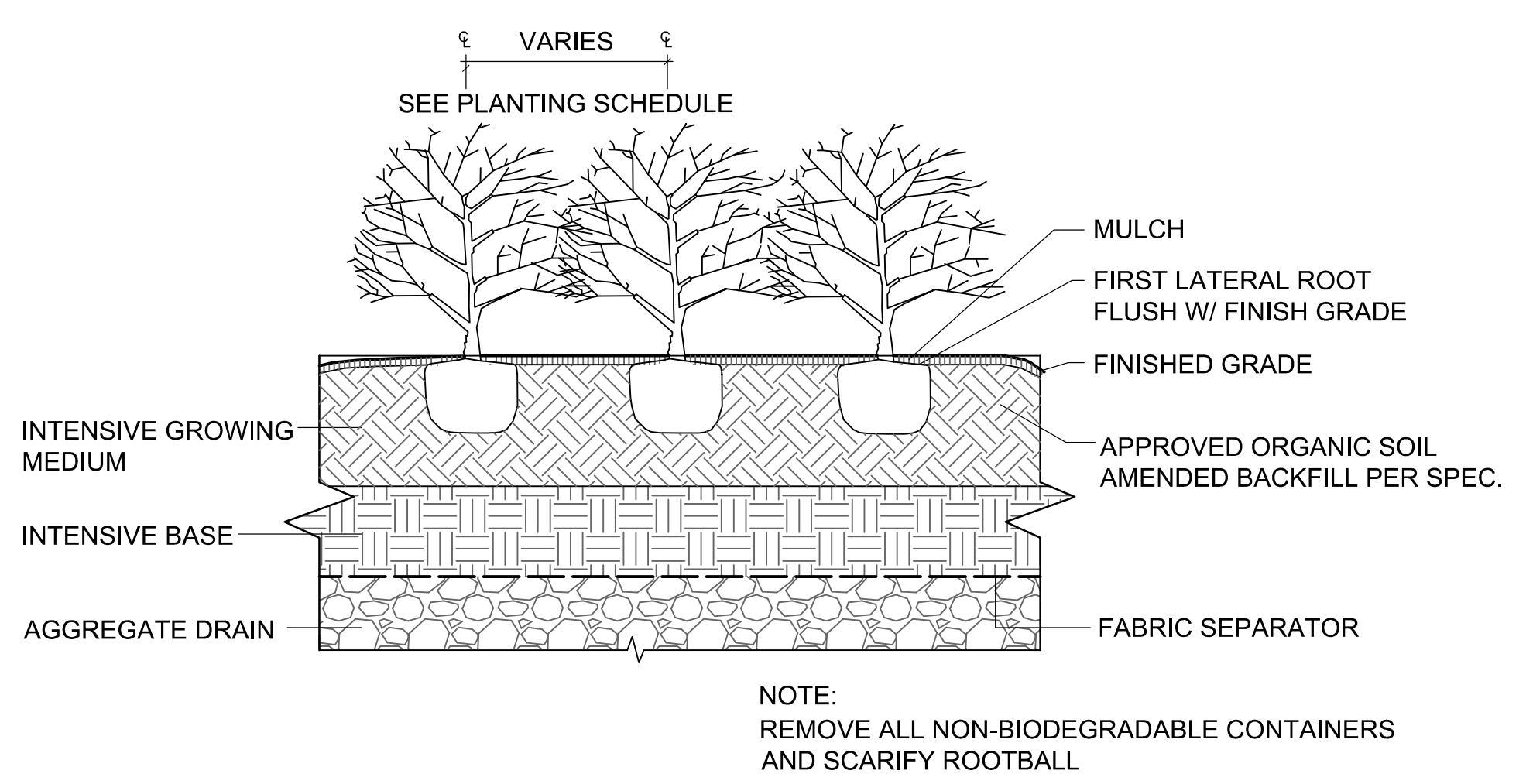
1 W PRATT STREET, BALTIMORE, MD 21201  
CONTRACT NO. GS 18B12



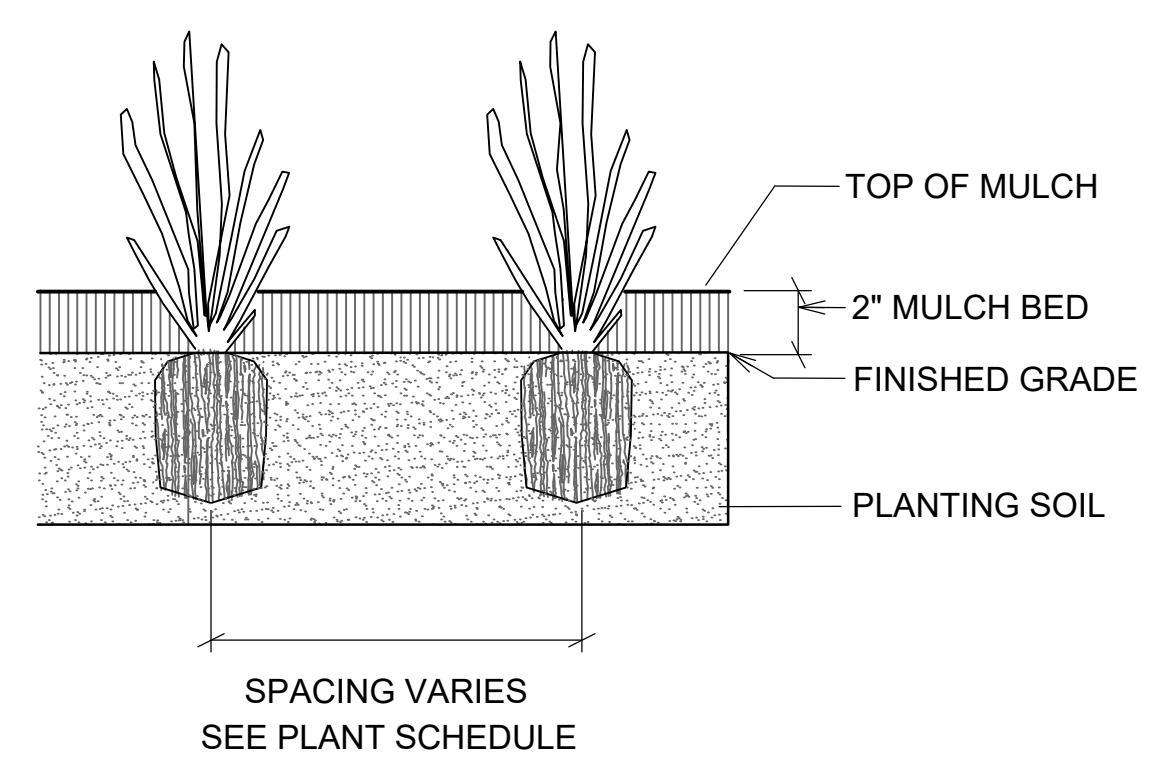
**NOTES:**

1. CABLE ANCHORING SYSTEM TYPICAL FOR ALL TREES. PROVIDE THREE ANCHORING POINTS FOR EACH TREE. ANCHORING POINTS SHALL BE EQUALLY SPACED AND ANCHORING CABLES SHALL BE OF EQUAL LENGTH.
2. PRUNE TO REMOVE BROKEN, DEAD, AND DAMAGED BRANCHES
3. ALL PRUNING SHALL BE AS APPROVED BY THE LANDSCAPE ARCHITECT.
4. PRUNING SHALL CONFORM WITH THE CURRENT EDITION OF THE NATIONAL ARBORIST ASSOCIATION STANDARDS.
5. THE WATERING OF TREES SHALL BEGIN IMMEDIATELY AFTER PLANTING AND CONTINUE THEREAFTER TO ENSURE SURVIVAL.
7. ALL LABELS IDENTIFYING TREES ARE TO REMAIN ON THE TREE.

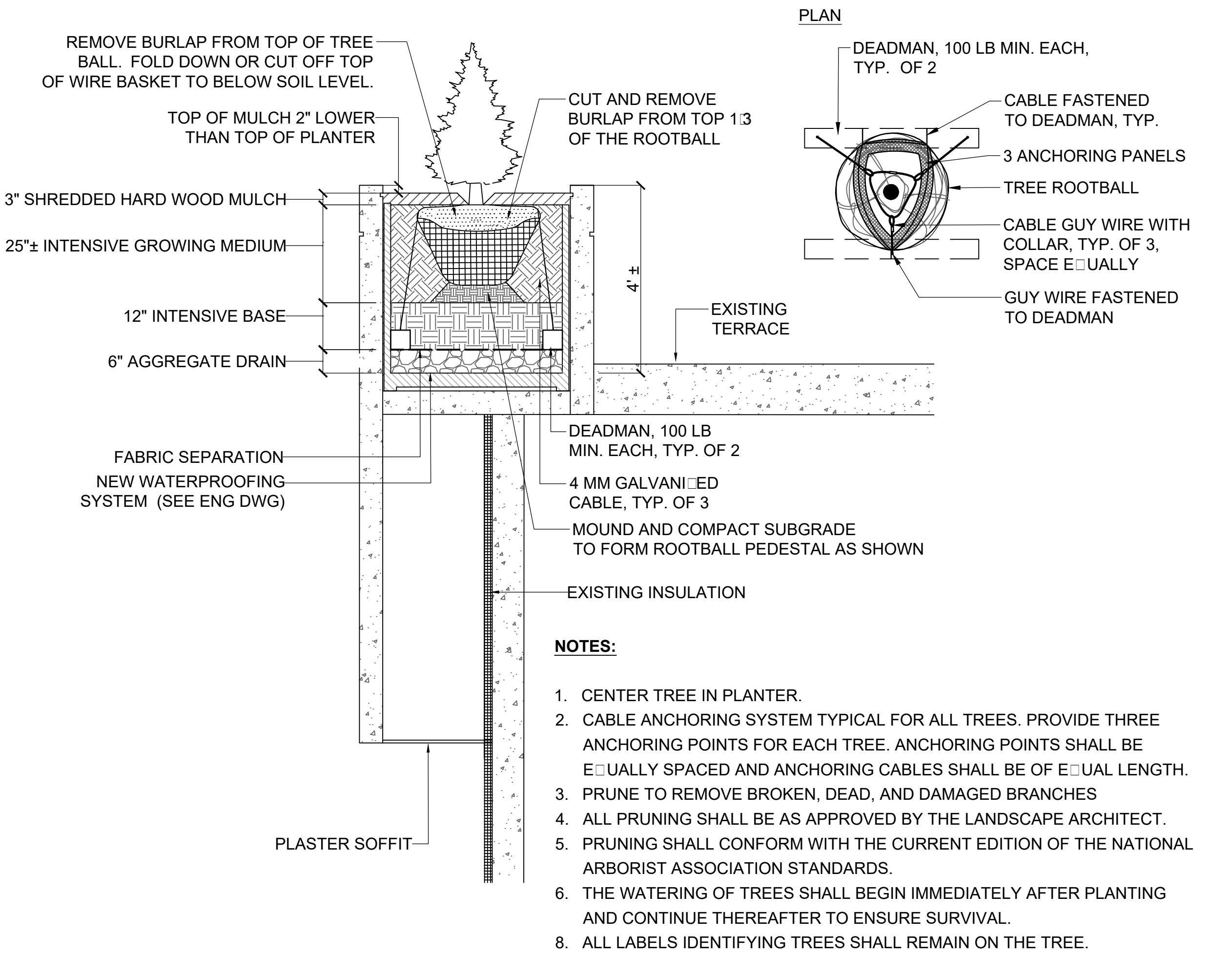
**1 FLOWERING TREE PLANTING DETAIL**  
SCALE: 1/2" = 1'



**3 SHRUB PLANTING DETAIL**  
SCALE: 1" = 1'



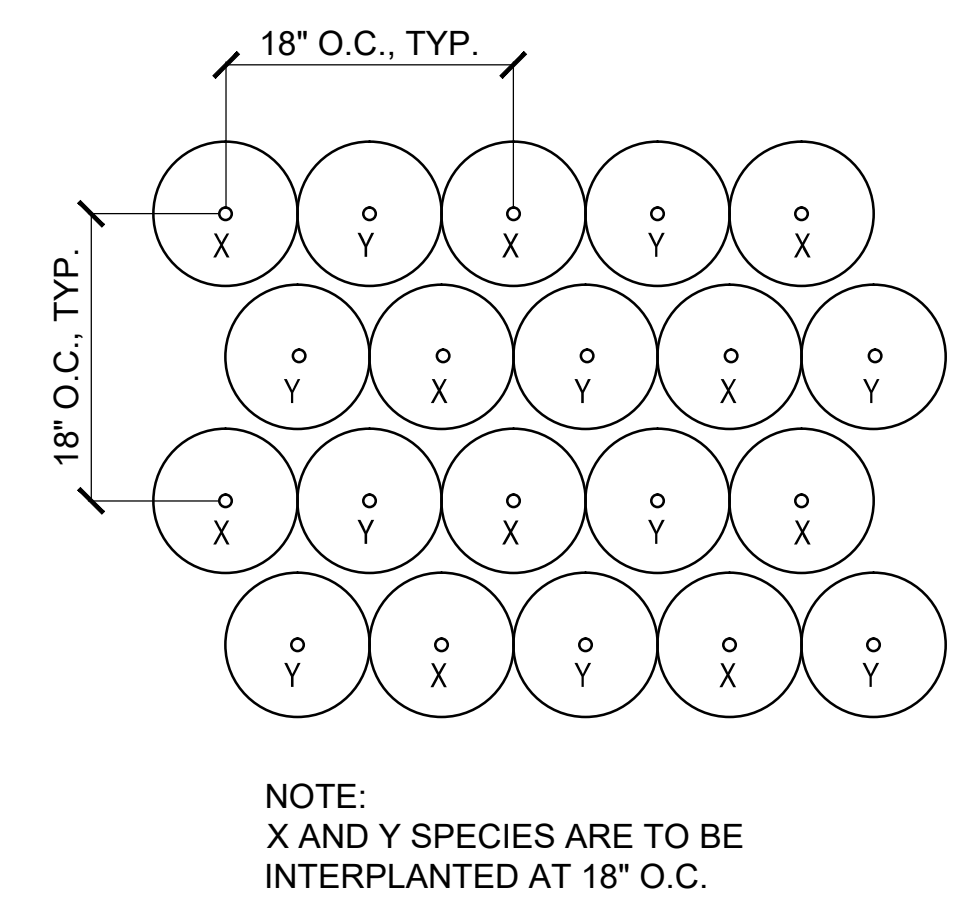
**4 GROUND COVER PLANTING DETAIL**  
SCALE: 1" = 1'



**NOTES:**

1. CENTER TREE IN PLANTER.
2. CABLE ANCHORING SYSTEM TYPICAL FOR ALL TREES. PROVIDE THREE ANCHORING POINTS FOR EACH TREE. ANCHORING POINTS SHALL BE EQUALLY SPACED AND ANCHORING CABLES SHALL BE OF EQUAL LENGTH.
3. PRUNE TO REMOVE BROKEN, DEAD, AND DAMAGED BRANCHES
4. ALL PRUNING SHALL BE AS APPROVED BY THE LANDSCAPE ARCHITECT.
5. PRUNING SHALL CONFORM WITH THE CURRENT EDITION OF THE NATIONAL ARBORIST ASSOCIATION STANDARDS.
6. THE WATERING OF TREES SHALL BEGIN IMMEDIATELY AFTER PLANTING AND CONTINUE THEREAFTER TO ENSURE SURVIVAL.
8. ALL LABELS IDENTIFYING TREES SHALL REMAIN ON THE TREE.

**2 EVERGREEN TREE PLANTING DETAIL FOR PLANTER #6**  
SCALE: 1/2" = 1'



NOTE:  
X AND Y SPECIES ARE TO BE INTERPLANTED AT 18" O.C.

**5 TYPICAL INTERPLANTING DETAIL**  
SCALE: 1" = 1'

**SEQUENCE OF LANDSCAPE CONSTRUCTION:**

1. REMOVE ALL THE EXISTING PLANT MATERIAL IN PLANTERS WITHIN CONSTRUCTION LIMIT.
2. EXCAVATE AND REMOVE ALL EXISTING PLANTING MEDIUM, IRRIGATION PIPING, DAMAGED DRAIN PIPES, AND OTHER DEBRIS.
3. INSTALL NEW WATERPROOFING.
4. MODIFY THE EXISTING DRAINAGE SYSTEM.
5. PLACE NEW DRAINAGE AGGREGATE, FILTER FABRIC, AND INTENSIVE BASE IN ACCORDANCE WITH THE DETAILS AND SPECIFICATIONS.
6. INSTALL NEW INTENSIVE GROWING MEDIUM UP TO THE EXPECTED ELEVATION OF IRRIGATION LATERAL LINE PIPING APPROX. 15" BELOW THE TOP OF PLANTER WALL.
7. INSTALL IRRIGATION MAIN LINE PIPING AND ELECTRONIC VALVES AND CONNECT TO EXISTING SYSTEM AS SHOWN ON PLAN.
8. INSTALL NEW IRRIGATION LATERAL LINE PIPING AND SPRINKLERS AND PLACE ADDITIONAL INTENSIVE GROWING MEDIUM IN ACCORDANCE WITH THE PLANTER SECTIONS TO COVER THE NEWLY INSTALLED IRRIGATION PIPING.
9. INSTALL NEW PLANTS IN ACCORDANCE WITH SPECIFICATIONS AND DRAWINGS.
10. PLACE SHREDDED HARDWOOD MULCH ON ALL PLANTERS AS SPECIFIED.
11. THE CONTRACTOR SHALL KEEP SIDEWALKS AND TERRACE CLEAN, AND FREE OF CONSTRUCTION WASTE AND ALL OTHER DEBRIS AT THE END OF EACH DAY DURING THE CONSTRUCTION PHASE.

PLANTING DETAILS

2/20/2020

SHEET  
L4.1



**MASTER PLANT SCHEDULE**

SYMBOL	KEY	BOTANICAL/COMMON NAME	SPACING	SIZE	ROOT	QUANTITIES							
						L2.1 (ALT.)	L2.2 (ALT.)	L2.3 (ALT.)	TOTAL (ALT.)	L2.4 (BASE)	L2.5 (BASE)	L2.6 (BASE)	TOTAL (BASE)
<b>MINOR DECIDUOUS TREE</b>													
	CK	CORNUS KOUSA / KOUASA DOGWOOD	SEE PLAN	1 1/2" CAL.	B&B	5	5	0	10	0	0	0	0
	CV	CHIOANTHUS VIRGINICUS / FRINGETREE	SEE PLAN	12" HT. MULTI-STEM	B&B	0	0	2	2	0	0	0	0
<b>EVERGREEN</b>													
	IA	ILLEX / UIPERNYI MESCHICK / DRAGON LADY HOLLY	SEE PLAN	3" HT.	B&B	0	0	0	0	0	14	0	14
<b>SHRUBS</b>													
	AM	ARONIA MELANOCARPA MORTON / IROUOIUS BEAUTY CHOKEBERRY	36" O.C.	24" HT. MIN.	#5 CONT.	0	0	0	0	0	0	7	7
	AR	ABELIA ROSE CREEK / ABELIA	36" O.C.	18" HT. MIN.	#3 CONT.	0	0	0	0	28	0	0	28
	CS	CORNUS SERICEA KELSEY / DWARF RED OSIER DOGWOOD	36" O.C.	18" HT. MIN.	#3 CONT.	0	0	0	0	28	0	0	28
	HS	HIBISCUS SYRIACUS / SHARON OF ROSE	SEE PLAN	3" HT.	#5 CONT.	0	0	0	0	6	0	0	6
	IG	ILEX GLABRA SHAMROCK / SHAMROCK INKBERRY	36" O.C.	24" HT. MIN.	#5 CONT.	0	0	0	0	0	0	17	17
	IV	ITEA VIRGINICA LITTLE HENRY / LITTLE HENRY VIRGINIA SWEETSPIRE	36" O.C.	24" HT. MIN.	#5 CONT.	0	0	0	0	0	0	7	7
	RN	ROSA INOARE / RED FLOWER CARPET	24" O.C.	15" HT MIN.	#2 CONT.	272	205	0	477	0	0	0	0
<b>FERNS</b>													
	PP	POLYSTICHUM PLYBLEPHARUM / TASSEL FERN	12" O.C.	12" HT. MIN.	#1 CONT.	0	643	0	643	0	0	0	0
<b>GROUND COVER, PERENNIALS, &amp; GRASSES</b>													
	BG	BOUTELOUA GRACILLIS BLONDE / AMBITION / BLUE GAMA	12" O.C.	12" HT MIN.	#1 CONT.	2,400	1,827	0	4,227	699	0	0	699
	CR	CROCUS SPP / CROCUS	RANDOM	TOP SIZE	BULB	1,032	940	0	1,972	142	0	0	142
	CV	COREOPSIS VERTICILLIATA / AGREB / TICKSEED	18" O.C.	12" HT MIN.	#1 CONT.	104	95	0	199	32	0	0	32
	CGS	COREOPSIS GRANDIFLORA / SUNDANCER / SUNDANCER COREOPSIS	18" O.C.	6" HT MIN.	#1 CONT.	104	95	0	199	32	0	0	32
	GP	GAULTHERIA PROCUBENS / EASTERN TEABERRY	12" O.C.	12" SPD.	#1 CONT.	0	0	1,458	1,458	0	0	0	0
	LM	LIRIOPE MASCARI / BIG BLUE / BIG BLUE LIRIOPE	12" O.C.	12" HT MIN.	#1 CONT.	478	0	868	1,346	0	0	0	0
	PV	PANICUM VIRGATUM / CLOUD NINE / BLUE SWITCHGRASS	36" O.C.	24" HT. MIN.	#3 CONT.	0	0	0	0	0	0	42	42
	SC	SALVIA NEMOROSA / CARADONNA / SALVIA	18" O.C.	12" HT MIN.	#1 CONT.	250	228	0	478	0	0	0	0

□ BULBS TO BE BROADCASTED TO THE DESIGNATED AREA PRIOR TO PERRENIAL INSTALLATION.  
 □ CV & CG TO BE INTERPLANTED

**MASTER PLANTING MEDIUM SCHEDULE**

SYMBOL	NAME	QUANTITIES (CUBIC YARDS)							
		L2.1 (ALT.)	L2.2 (ALT.)	L2.3 (ALT.)	TOTAL (ALT.)	L2.4 (BASE)	L2.5 (BASE)	L2.6 (BASE)	TOTAL (BASE)
	SHREDDED HARD WOOD MULCH	30.72	26.04	14.37	71.13	11.19	2.98	8.48	22.65
	INTENSIVE GROWING MEDIUM	184.33	150.30	76.37	411.00	82.08	20.87	79.85	182.80
	INTENSIVE BASE	76.80	55.18	21.98	153.96	66.66	11.92	50.88	129.46
	AGGREGATE DRAIN	61.44	52.08	28.74	142.26	32.61	5.96	18.90	57.47

**ADDITIONAL WATERING SCHEDULE**

SYMBOL	NAME	QUANTITIES (MG □ 1,000 GALLONS)							
		L2.1 (ALT.)	L2.2 (ALT.)	L2.3 (ALT.)	TOTAL (ALT.)	L2.4 (BASE)	L2.5 (BASE)	L2.6 (BASE)	TOTAL (BASE)
	MINOR DECIDUOUS TREES	0.38	0.38	0.15	0.91	0	0	0	0
	EVERGREEN TREES	0	0	0	0	0	1.4	0	1.4
	SHRUBS OVER 18"	13.6	10.25	0	23.85	3.1	0	1.55	4.65
	PERENNIALS, GRASSES, ANNUALS (PER SF)	11.73	10.23	6.98	28.94	2.52	0	1.13	3.65
<b>TOTAL</b>		25.71	20.86	7.13	53.70	5.62	1.4	2.68	9.70

**CONSULTANTS**



1800 WASHINGTON BOULEVARD SUITE 425 BALTIMORE, MD 33126



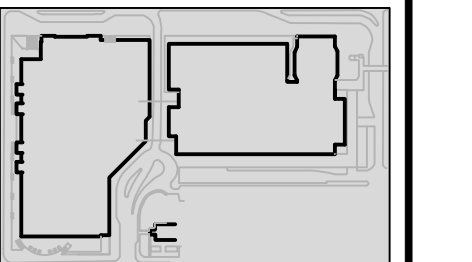
LANDSCAPE ARCHITECTS 7402 YORK ROAD, SUITE 201 TOWSON, MD 21284 TEL. 410.296.3990

**SEAL**



CITY OF BALTIMORE DEPARTMENT OF GENERAL SERVICES DESIGN AND CONSTRUCTION DIVISION

**KEY PLAN**



NO.	DATE	DESCRIPTION

THE BALTIMORE CONVENTION CENTER PLANTER BEDS AND TREE BOXES WATERPROOFING REPLACEMENT  
 1 W PRATT STREET, BALTIMORE, MD 21201  
 CONTRACT NO. GS 18812

MASTER PLANT SCHEDULE & PLANTING MEDIUM SCHEDULE

2/20/2020

**SHEET L4.2**

25 OF 25