

GOVERNMENT ROAD GREEN STREET FULTON HILL

Project Summary:

THIS PROJECT IS A GREEN STREET RETROFIT THAT WILL CONVERT IMPERVIOUS AREA TO COMPOST AMENDED CONSERVATION LANDSCAPES, INSTALL THREE RAIN GARDENS, AND CONVERT IMPERVIOUS SURFACE TO PERMEABLE PAVEMENT..

ESC Quantities:

SAFETY FENCE (3.01) - 1,254 LF
SILT FENCE (3.05) - 932 LF
INLET PROTECTION (3.07) - 3 EA

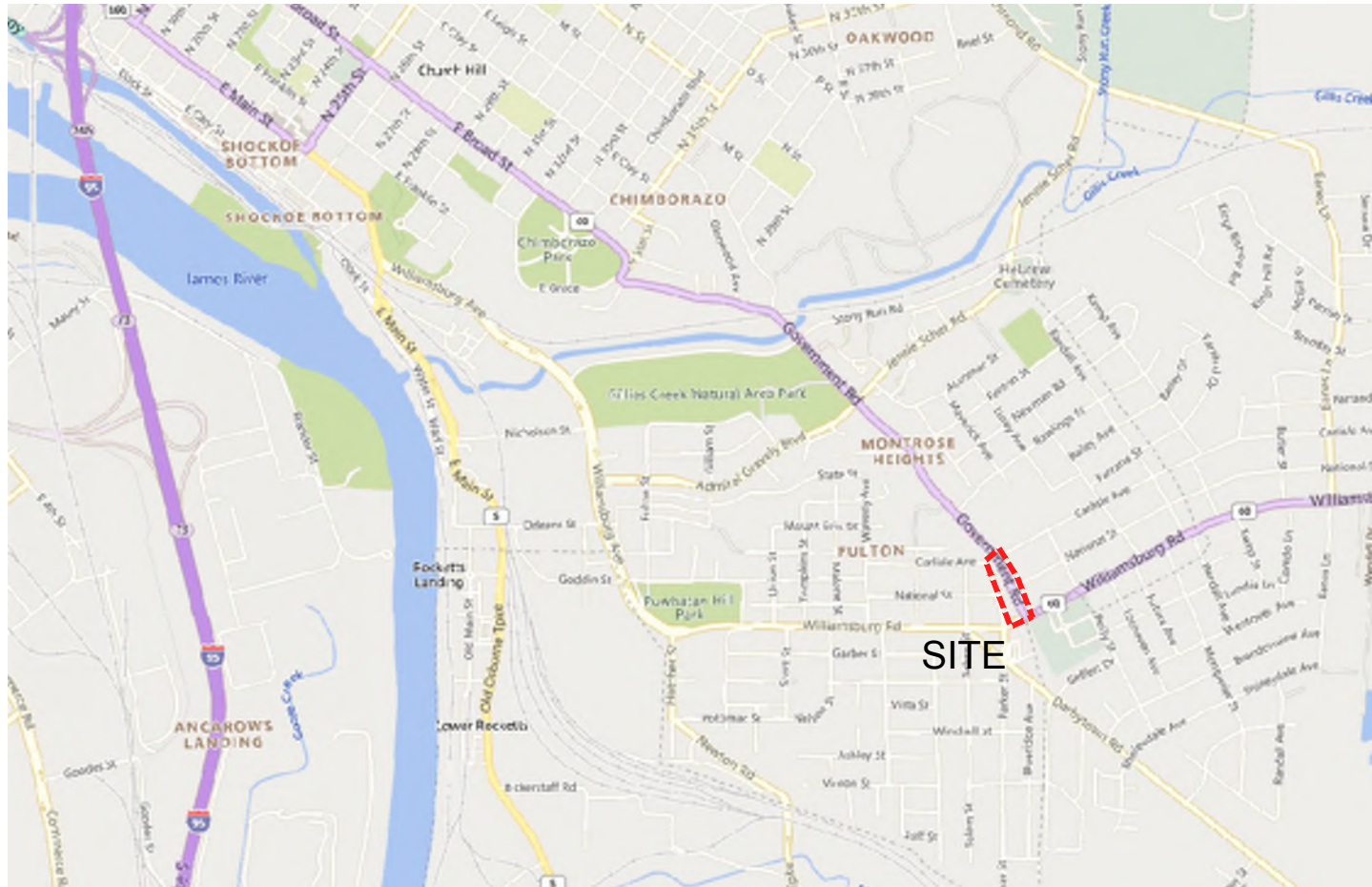
Permits Required:

- LDIS
- STORM DRAIN PERMIT
- WORK-IN-STREET

Abbreviations:

&	AND	E	EAST	OA	OVERALL
@	AT	ELEC	ELECTRICAL	OPP	OPPOSITE
<	CENTERLINE	EL	ELEVATION	PTD	PAINTED
~	DIAMETER OR ROUND	EQ	EQUAL	PWD	PLYWOOD
#	NUMBER	EX	EXISTING	PVC	POLYVINYL CHLORIDE
>	PROPERTY LINE	EXP.	EXPANSION	PSF	POUNDS PER SQUARE FOOT
		E.J.	EXPANSION JOINT	PSI	POUNDS PER SQUARE INCH
		FT	FEET OR FOOT	P.I.P.C.	POURED IN PLACE CONCRETE
		FF	FINISH FLOOR	P.C.C.	PRECAST CONCRETE
		FIN	FINISH (ED)	PT	PRESSURE TREATED
		FTG	FOOTING	P.W.M.	PAVEMENT
		F.O.C.	FACE OF CURB	RAD	RADIUS
		GA	GAUGE	RCP	REINFORCED CONCRETE PIPE
		GALV.	GALVANIZED	REF	REFERENCE
		GC	GENERAL CONTRACTOR	REINF	REINFORC (ED) (ING)
		HT	HEIGHT	RND	ROUND
		HP	HIGH POINT	SCH.	SCHEDULE
		HORIZ	HORIZONTAL	SECT.	SECTION
		HB	HOSE BIB	SIM	SIMILAR
		INCL.	INCLUDE (D) (ING)	SD	STORM DRAIN
		I.D.	INSIDE DIAMETER	S	SOUTH
		INV	INVERT	SFCMU	SPLIT FACE CONC. MASONRY UNIT
		JT	JOINT	SPEC.	SPECIFICATION (S)
		LF	LINEAR FOOT	SQ.	SQUARE
		LP	LOW POINT	S.S.	STAINLESS STEEL
		MH	MANHOLE	STD.	STANDARD
		MFR.	MANUFACTURE (R)	ST	STEEL
		MAS	MASONRY	THK	THICK
		MTL	METAL	T&G	TONGUE AND GROOVE
		MAX	MAXIMUM	T.O.C.	TOP OF CURB
		MED	MEDIUM	TS	TOP OF STEP
		MTL	METAL	T.O.W.	TOP OF WALL
		MIN	MINIMUM	TYP.	TYPICAL
		MISC	MISCELLANEOUS	U.O.N.	UNLESS OTHERWISE NOTED
		NO.	NUMBER	V.I.F.	VERIFY IN FIELD
		NOM	NOMINAL	VERT.	VERTICAL
		N	NORTH	W/	WITH
		N.I.C.	NOT IN CONTRACT	W/O	WITHOUT
		N.T.S.	NOT TO SCALE	WD.	WOOD
		O/C	ON CENTER	WWF	WELDED WIRE FABRIC
		O.D.	OUTSIDE DIAMETER		

ABV.	ABOVE		
ALUM.	ALUMINUM		
APPROX.	APPROXIMATE		
ASPH.	ASPHALT		
BD.	BOARD		
BEL.	BELOW		
BITUM.	BITUMINOUS		
BLDG.	BUILDING		
B.O.C.	BACK OF CURB		
BRK.	BRICK		
BS	BOTTOM OF STEP		
B/T	BETWEEN		
BW	BOTTOM OF WALL		
C.B.	CATCH BASIN		
C.E.J.	CAULKED EXPANSION JOINT		
CF	CUBIC FEET		
C.I.P.C.	CAST IN PLACE CONCRETE		
C.I.	CAST IRON		
CO	CLEAN OUT		
COL.	COLUMN		
CONTR.	CONTRACTOR		
C.J.	CONTROL JOINT		
CLR	CLEAR		
CONC.	CONCRETE		
CMU	CONC. MASONRY UNIT		
CONSTR.	CONSTRUCTION		
CONT.	CONTINUOUS		
CTR.	CENTER		
CY	CUBIC YARD		
DET	DETAIL		
DIA	DIAMETER		
DIM	DIMENSION		
DWG	DRAWING		
EA.	EACH		



VICINITY MAP

NORTH
1" = 2,000'

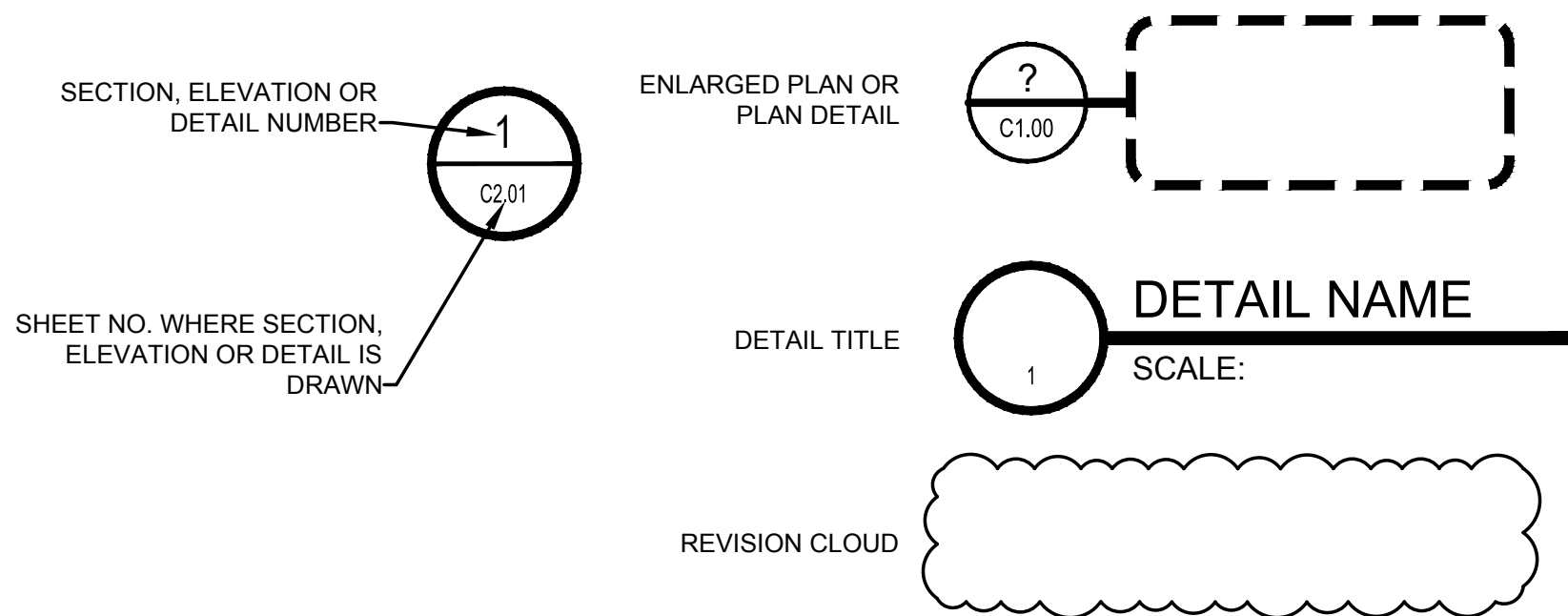
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Site Data:

- OWNER / DEVELOPER:**
CITY OF RICHMOND, DEPARTMENT OF PUBLIC UTILITIES
C/O BILL BOSTON, CAPITAL IMPROVEMENT PROGRAM MANAGER
900 E. BROAD ST., RICHMOND, VA 23219
P: (804) 646-8161
E: WILLIAM.BOSTON2@RVA.GOV
- ENGINEER:**
VHB, C/O CHARLENE HARPER, PE
5701 GROVE AVE, RICHMOND, VA 23226
P: (804) 340-7500
E: CHARPER@VHB.COM
- PARCEL ID(S):**
XX
- ADDRESSES:**
XX
- ZONING:**
XX
- USE:**
EXISTING: COMMERCIAL & PUBLIC ROAD R.O.W.
PROPOSED: COMMERCIAL & PUBLIC ROAD R.O.W.
- AREAS:**
PROJECT AREA: 0.50 ACRES (PUBLIC R/W)
0.02 ACRES (PRIVATE)
- UTILITIES:**
WATER: CITY OF RICHMOND
SANITARY: CITY OF RICHMOND
GAS: CITY OF RICHMOND
ELECTRIC: DOMINION POWER
- SURVEY:**
COMBINATION OF FIELD SURVEY BY NYFELER ASSOCIATES & CITY GIS RECORD DATA

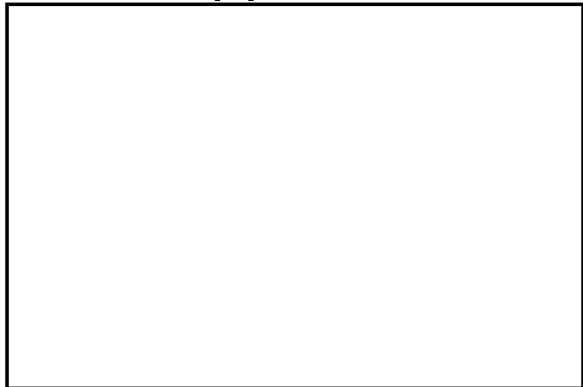
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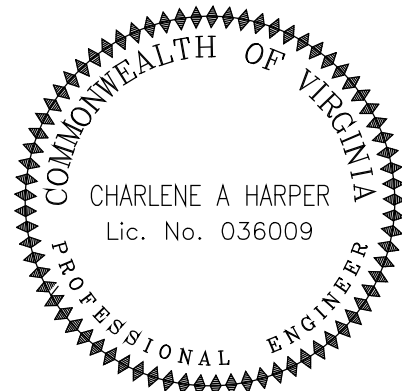
General Notes:

- CONTRACTOR SHALL CONTACT "MISS UTILITY" AT 811 AND HAVE ALL UNDERGROUND UTILITIES MARKED PRIOR TO ANY LAND DISTURBANCE OPERATIONS. IN ADDITION, IT IS THE CONTRACTOR'S RESPONSIBILITY TO HAVE ALL PRIVATE UNDERGROUND UTILITIES MARKED PRIOR TO ANY DEMOLITION OR LAND DISTURBANCE OPERATIONS.
- CONTRACTOR SHALL CHECK AND VERIFY ALL DIMENSIONS AND CONDITIONS AT JOB SITE AND REPORT ALL DISCREPANCIES TO THE ENGINEER OF RECORD.
- LAYOUT - CONTRACTOR SHALL VERIFY ALL LAYOUT DATA PROVIDED. CONTRACTOR SHALL NOTIFY HG OF ANY DISCREPANCIES. NOTIFY HG DESIGN STUDIO AT THE COMPLETION OF FIELD STAKING FOR REVIEW AND COORDINATION.

Approval:



115 South 15th Street
Suite 200
Richmond, VA 23219
804.343.7100



FULTON HILL - GREEN STREET

GOVERNMENT ROAD, RICHMOND, VA

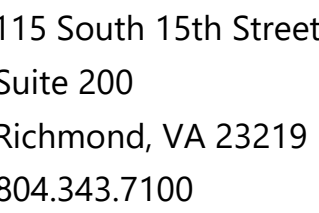
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COVER SHEET

Designed By:	CAH
Drawn By:	DSN
Checked By:	CAH
QA/QC By:	ELG
Date:	FEBRUARY 17, 2023
Project Number:	36285.00
Sheet Number:	

C0.00



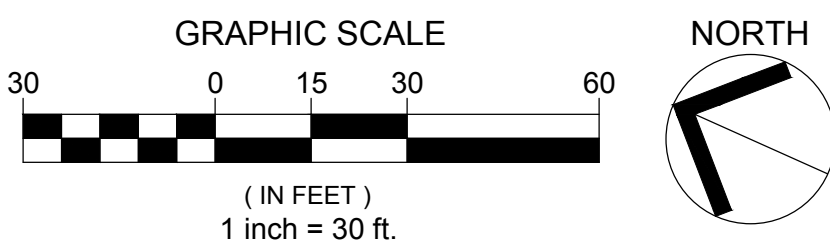
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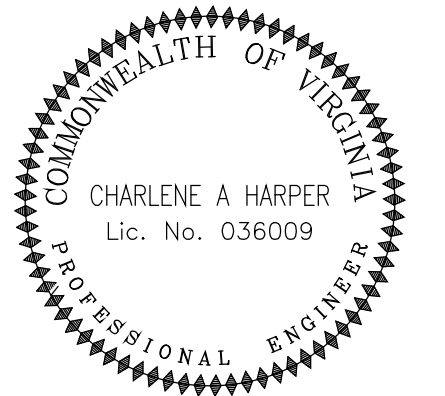
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COMPILED EXISTING CONDITIONS

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C1.02





4900 BLOCK

**FULTON HILL -
GREEN STREET**

GOVERNMENT ROAD, RICHMOND, VA

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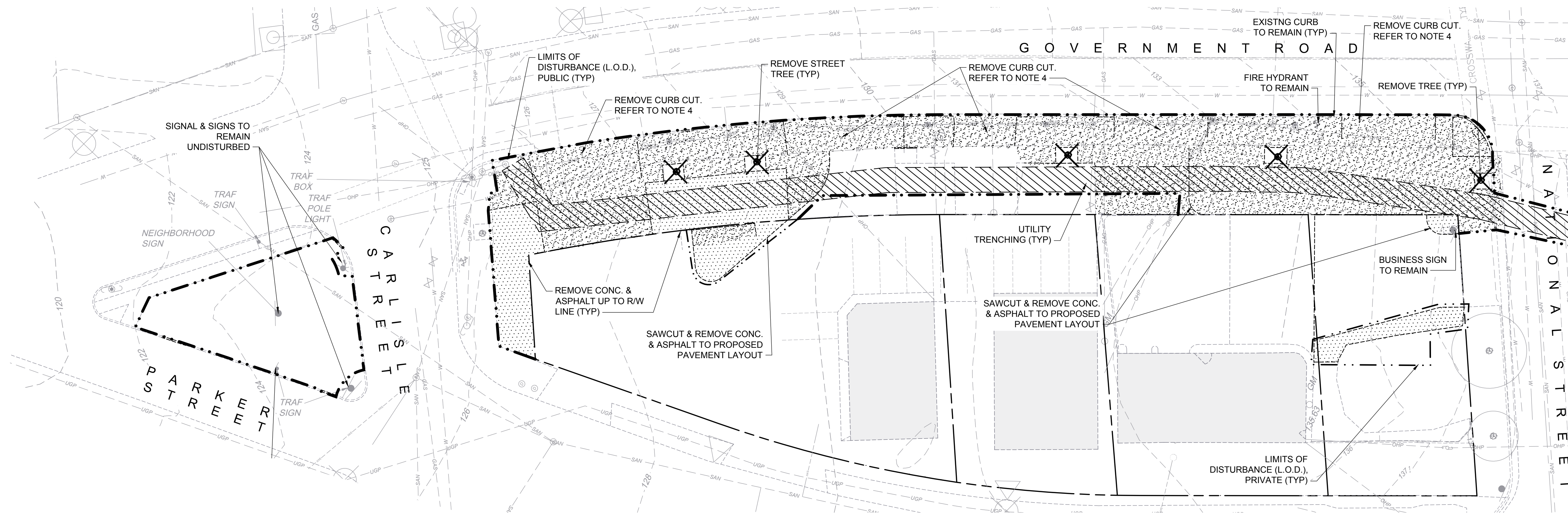
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DEMOLITION PLAN

5000 BLOCK

Designed By:	CAH
Drawn By:	DSN
Checked By:	CAH
QA/QC By:	ELG
Date:	FEBRUARY 17, 2023
Project Number:	36285.00
Sheet Number:	

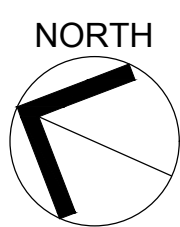
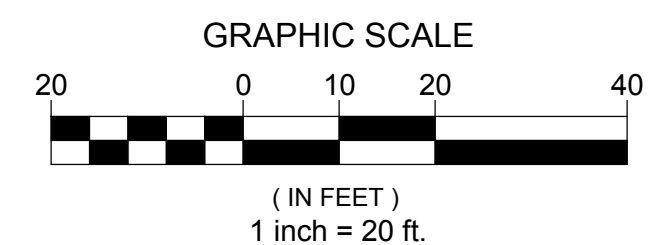
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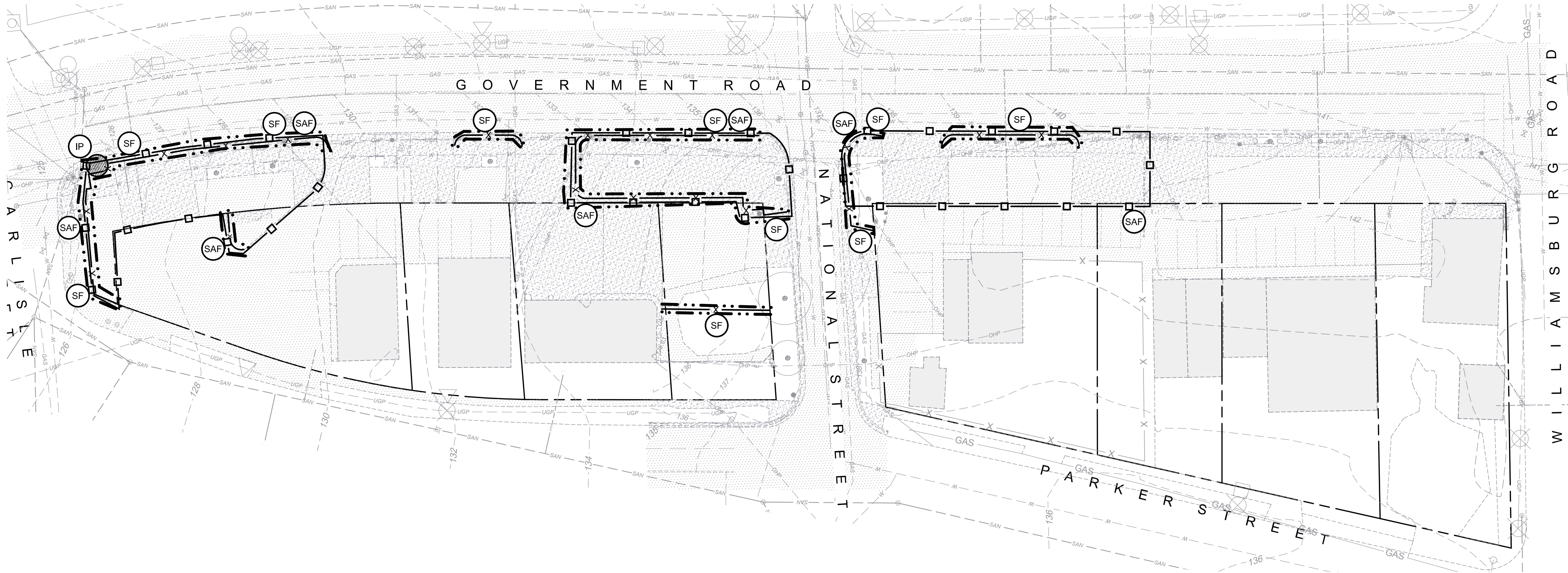
DEMOLITION NOTES

1. REFER TO EROSION AND SEDIMENT CONTROL PLANS FOR SEQUENCE OF CONSTRUCTION.
2. DEMOLITION CANNOT COMMENCE UNTIL ALL PRELIMINARY E&S MEASURES ARE IN PLACE, AND APPROVED BY THE ENVIRONMENTAL INSPECTOR.
3. ITEMS INDICATED ON THE PLAN REPRESENT GENERAL EXTENT OF DEMOLITION. DEMOLISH ALL ELEMENTS WITHIN THE LIMITS OF DISTURBANCE TO THE EXTENT NECESSARY TO ACCOMMODATE PROPOSED IMPROVEMENTS AND PROVIDE SMOOTH TRANSITIONS BETWEEN EXISTING AND PROPOSED ELEMENTS.
4. PROPERTIES WILL CONTINUE TO OPERATE DURING CONSTRUCTION. COORDINATE CURB CUT CLOSURES TO ENSURE CONTINUOUS ACCESS TO BUSINESS OPERATIONS. AREA A OF THE 5000 BLOCK MUST BE COMPLETED PRIOR TO DEMOLITION OF AREA B. DURING CLOSURES, BUSINESSES MUST REMAIN ACCESSIBLE TO PEDESTRIANS AT ALL TIMES.
5. DISPOSE OF ALL REMOVED MATERIAL OFF SITE IN AN APPROVED/PERMITTED MANNER UNLESS OTHERWISE SPECIFIED. SECURELY STORE AND PROTECT FROM DAMAGE ANY ITEMS TO BE REINSTALLED OR RETURNED TO OWNER.
6. INFORM OWNER AND ENGINEER OF ANY UTILITIES FOUND UNEXPECTEDLY PRIOR TO ACTION.
7. SAWCUT ALL HARDSCAPE SURFACES TO BE REMOVED AT THE EDGES OF AREA TO BE REMOVED. SAWCUT CONCRETE AT/TO NEAREST JOINT. SAWCUTS SHALL BE STRAIGHT, SQUARE AND TRUE.
8. WHERE ASPHALT IS TO BE REPLACED AND/OR WHERE PROPOSED ASPHALT ADJUTS TO EXISTING ASPHALT, STEP SAWCUT FROM LAYER TO LAYER TO ALLOW FOR A STAGGERED SEAM. REFER TO DETAIL 3 ON SHEET C7.00.
9. CONDUCT DEMOLITION OPERATION IN A MANNER THAT WILL PREVENT DAMAGE TO ADJACENT STRUCTURES, UTILITIES, PAVEMENTS, AND OTHER FACILITIES TO REMAIN. REPAIR ANY DAMAGE TO IMPROVEMENTS TO REMAIN CAUSED BY CONSTRUCTION OPERATIONS AT NO EXPENSE TO THE OWNER.
10. PHASE SIDEWALK DEMOLITION TO ALLOW FOR CONTINUOUS PEDESTRIAN CIRCULATION AROUND/FAST THE SITE AT ALL TIMES. INSTALL PEDESTRIAN SIGNS AT NEAREST CROSSWALK TO DIVERT FOOT TRAFFIC.
11. COORDINATE ANY REQUIRED UTILITY OUTAGES WITH THE OWNER AND UTILITY PROVIDER. COORDINATE ANY TRAFFIC DISRUPTIONS WITH THE OWNER AND AUTHORITY HAVING JURISDICTION.
12. MAINTAIN MINIMUM REQUIRED COVER OVER EXISTING UTILITIES AT ALL TIMES DURING DEMOLITION AND CONSTRUCTION.

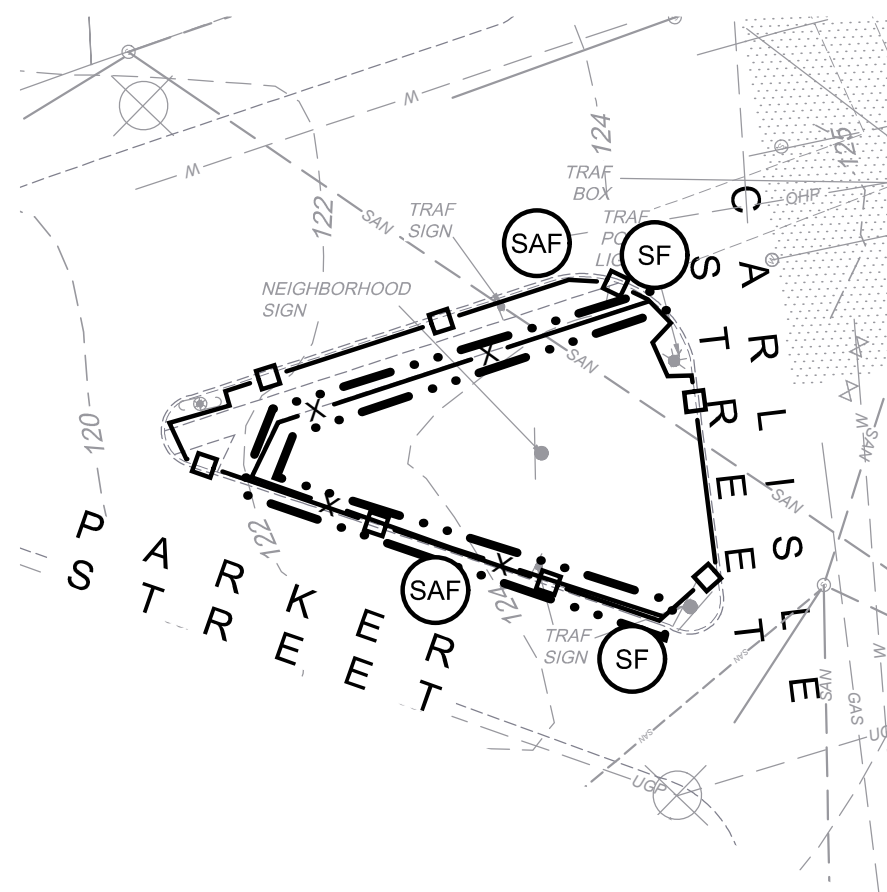
LEGEND:



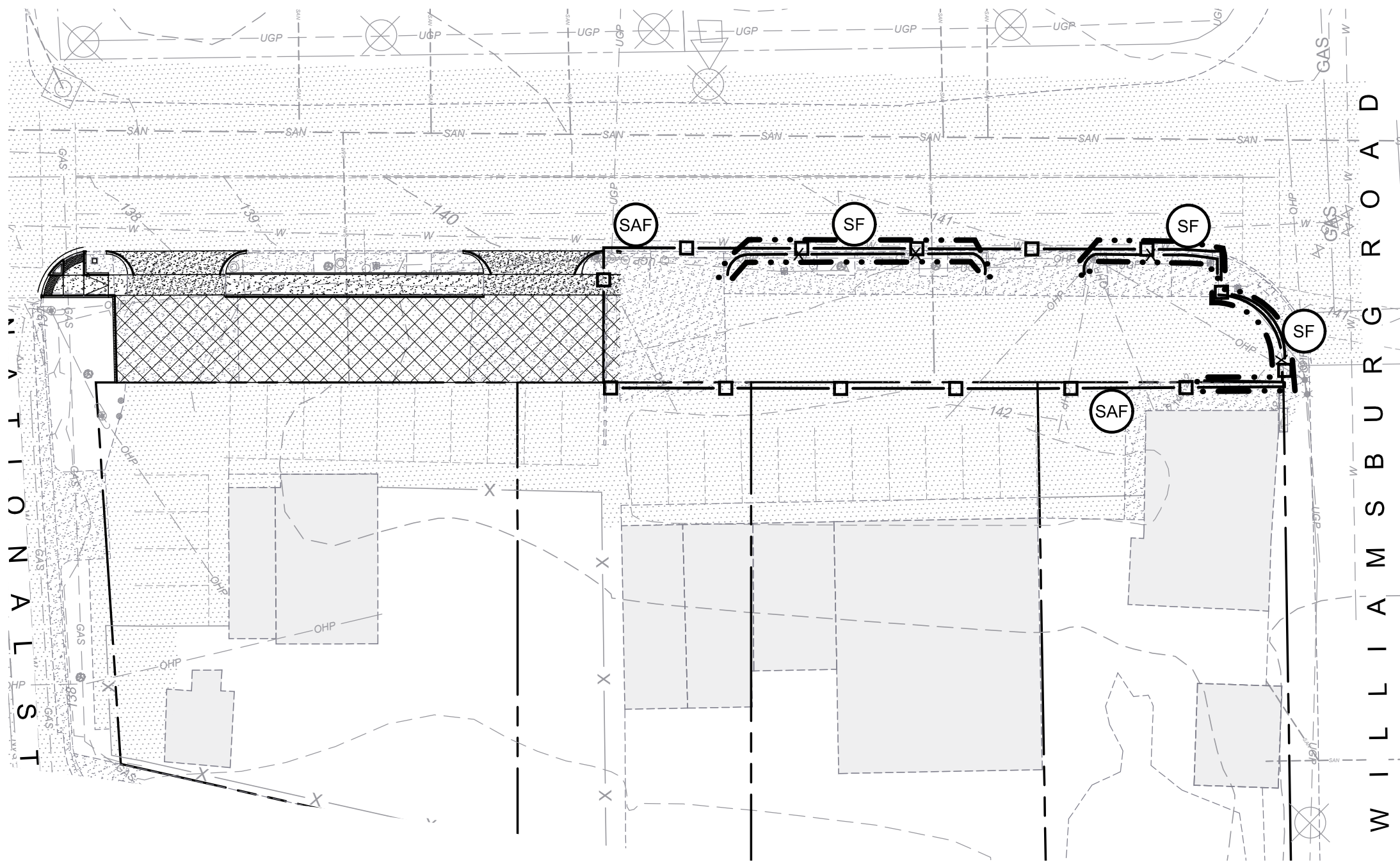
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PHASE 1A



PHASE 1A



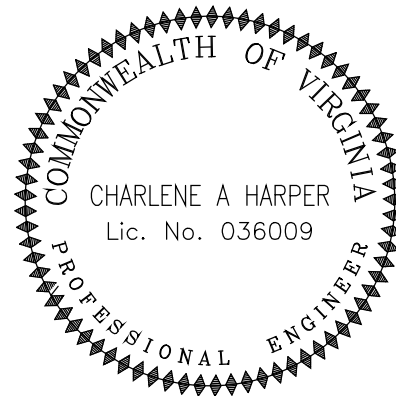
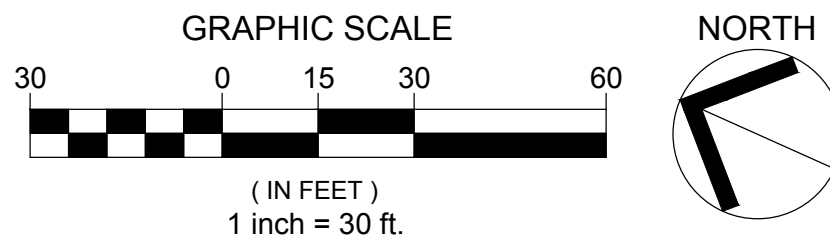
PHASE 1B

PHASE 1 SEQUENCE OF CONSTRUCTION:

1. SCHEDULE PRE-CONSTRUCTION CONFERENCE WITH ENGINEER AND ENVIRONMENTAL INSPECTOR AT LEAST 72 HOURS BEFORE BEGINNING CONSTRUCTION.
2. INSTALL CHAIN-LINK PERIMETER SAFETY FENCE WITH GATES AS SHOWN. SAFETY FENCE WITH WEIGHTED ANCHORS IS PREFERRED FOR HARDSCAPE SURFACES. INSTALL SIGNAGE TO ROUTE PEDESTRIANS AROUND SITE.
3. INSTALL INLET PROTECTION AS SHOWN.
4. INSTALL SILT FENCE AS SHOWN. ONLY DEMO SIDEWALK NECESSARY TO INSTALL SILT FENCE.
5. AFTER EROSION AND SEDIMENT CONTROL MEASURES ARE IN PLACE, BEGIN PHASE 2 WITH PERMISSION OF INSPECTOR.

EROSION CONTROL LEGEND

- IP INLET PROTECTION, 3.07 - 1EA
- X— SF SILT FENCE, 3.05 - 932 LF
- SAF SAFETY FENCE, 3.01 - 1,254 LF
- . . — LIMITS OF DISTURBANCE - 0.05 AC.



FULTON HILL -
GREEN STREET

GOVERNMENT ROAD, RICHMOND, VA

REVISIONS:

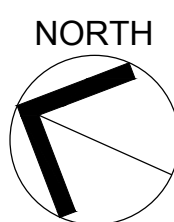
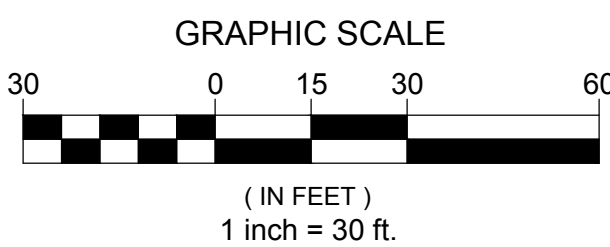
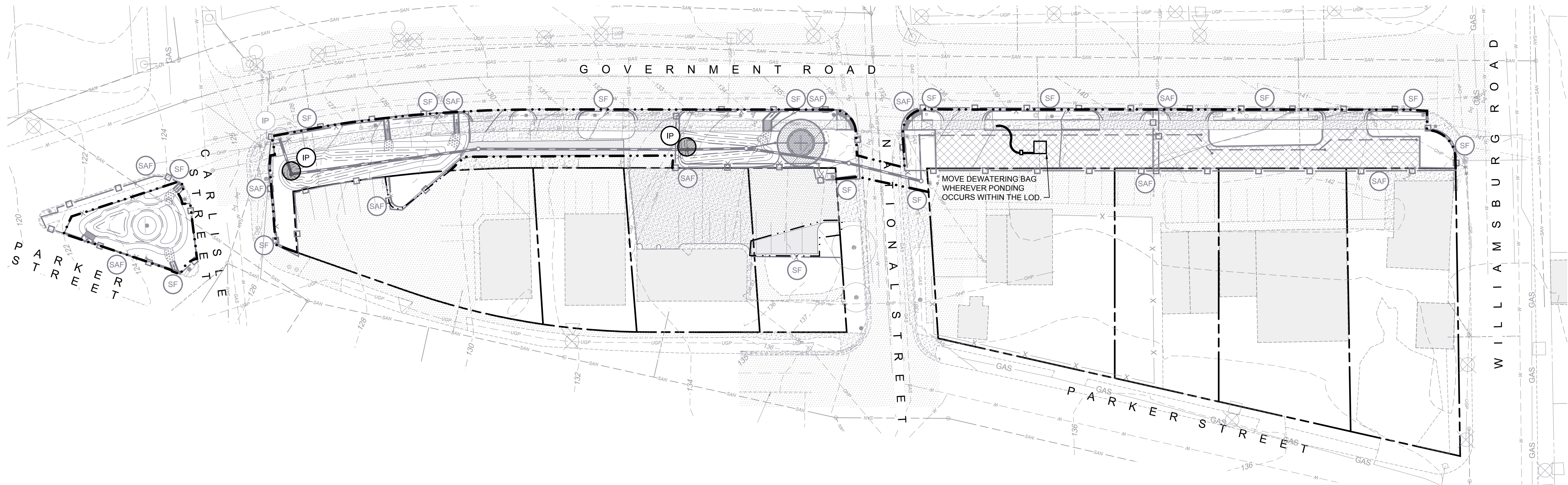
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EROSION & SEDIMENT
CONTROL PLAN PH1

Designed By:	CAH
Drawn By:	DSN
Checked By:	CAH
QA/QC By:	ELG
Date:	FEBRUARY 17, 2023
Project Number:	36285.00
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C2.00






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PHASE 2 SEQUENCE OF CONSTRUCTION:

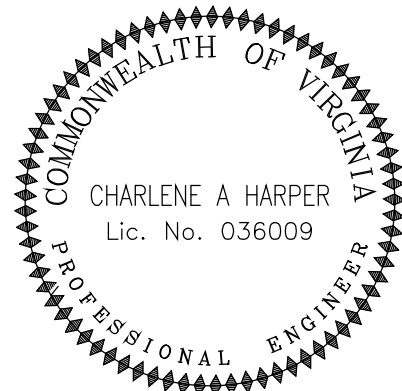
1. BEGIN SITE DEMOLITION.
2. BEGIN SITE CONSTRUCTION.
3. ENSURE ALL RUNOFF FROM SITE IS DIRECTED TO AN EROSION AND SEDIMENT CONTROL DEVICE DOWNSTREAM.
4. ONCE CONSTRUCTION IS COMPLETE AND ALL AREAS ARE STABILIZED, AND ONLY WITH THE APPROVAL OF THE ENVIRONMENTAL INSPECTOR, REMOVE EROSION AND SEDIMENT CONTROL (ESC) MEASURES. STABILIZE ESC MEASURE AREAS AS NEEDED.

EROSION CONTROL LEGEND

-  **IP** INLET PROTECTION, 3.07 - 1EA
PHASE 2 - 2 EA.
-  **SF** SILT FENCE, 3.05 - 932 LF
-  **SAF** SAFETY FENCE, 3.01 - 1,254 LF
-  LIMITS OF DISTURBANCE - 0.05 AC.
PHASE 2 - 0.52 AC.
-  DEWATERING BAG



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**FULTON HILL -
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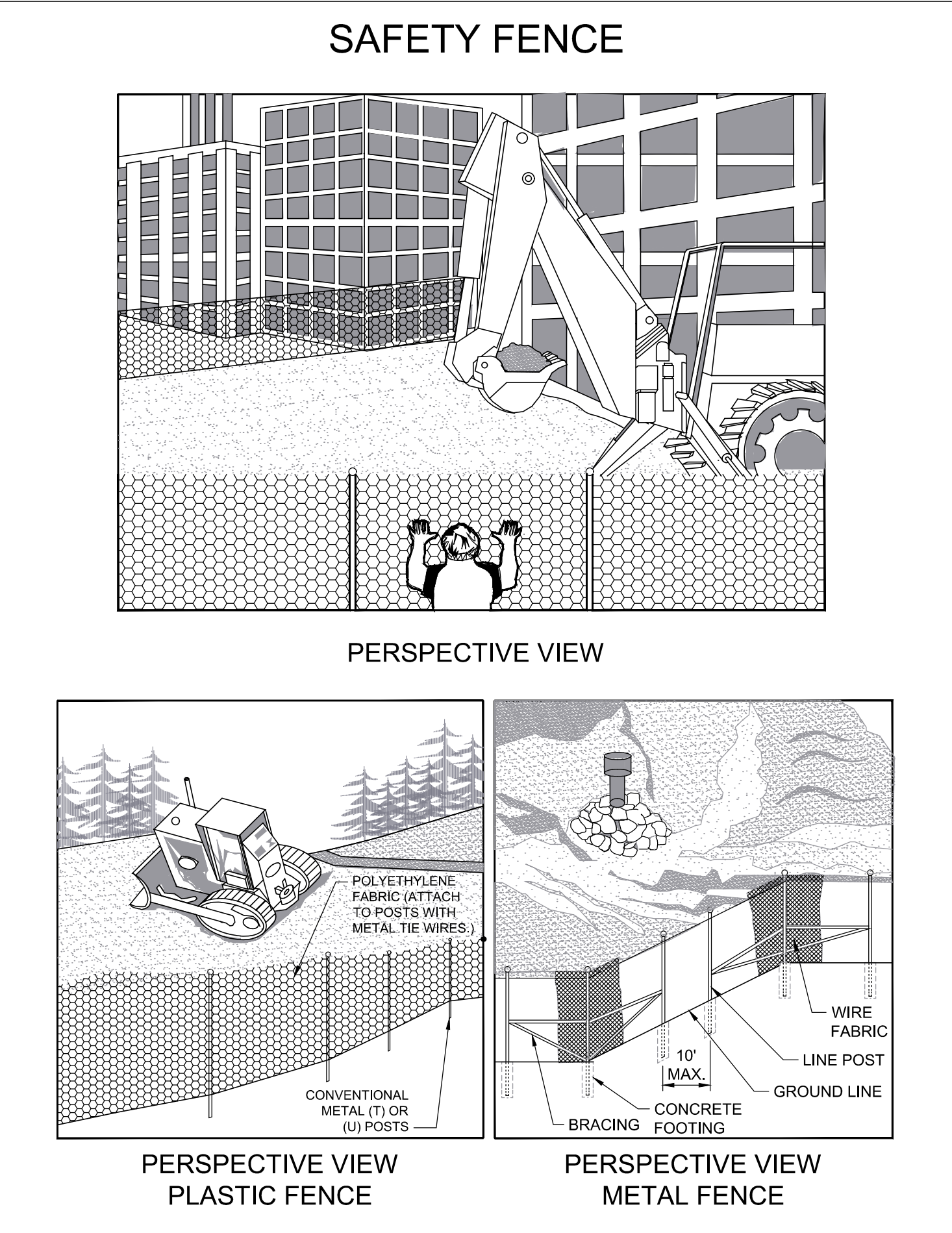
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**EROSION & SEDIMENT
CONTROL PLAN PH2**

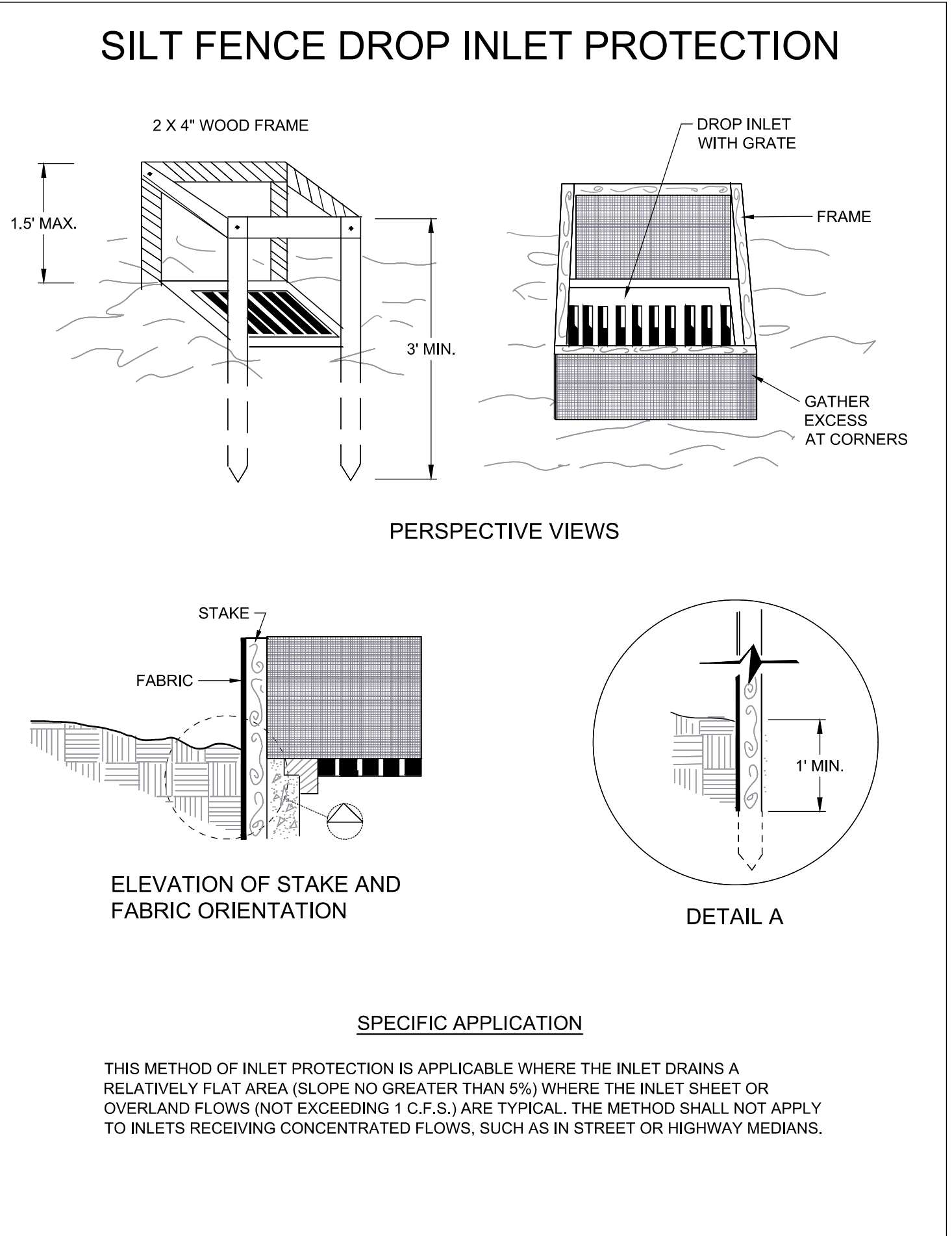
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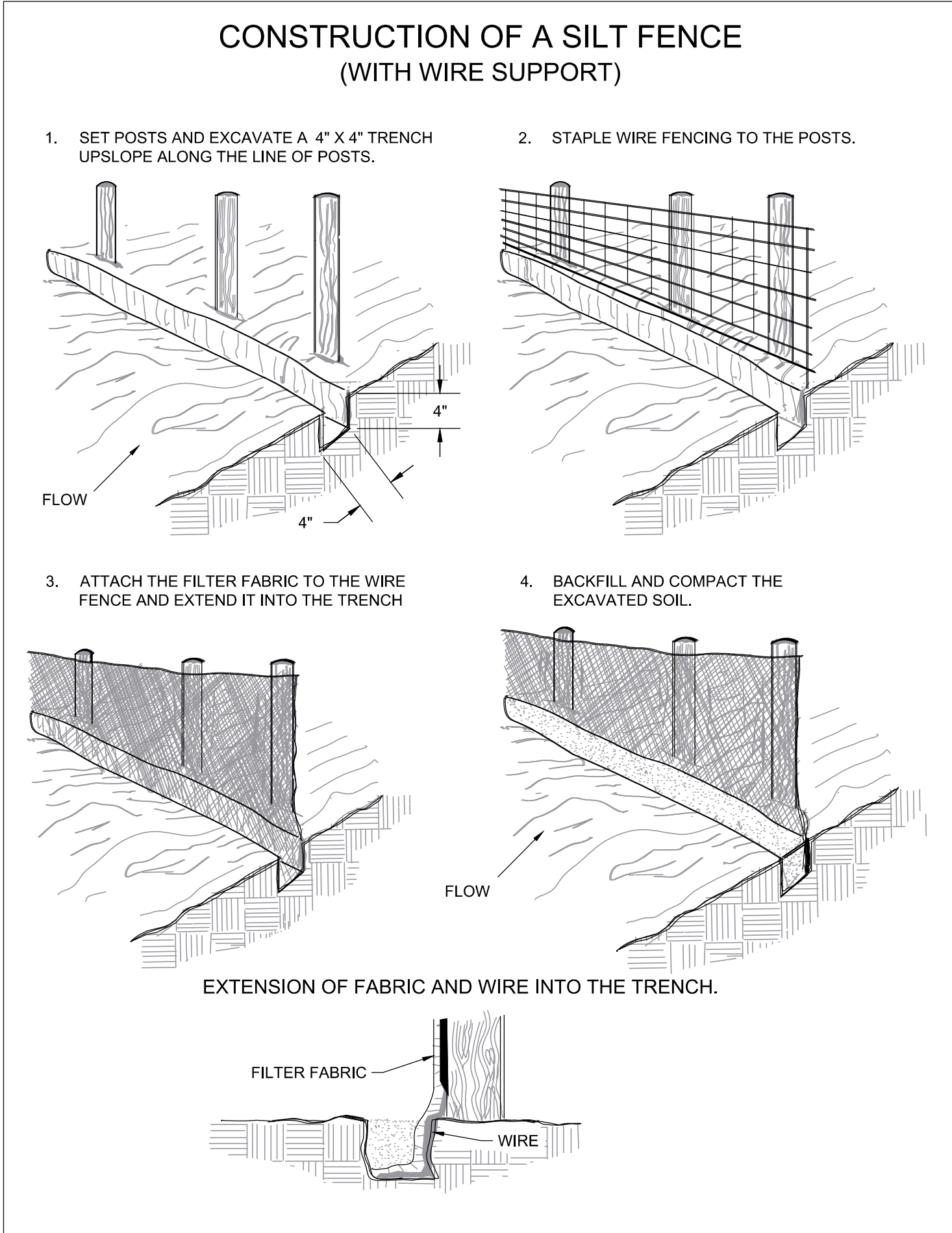
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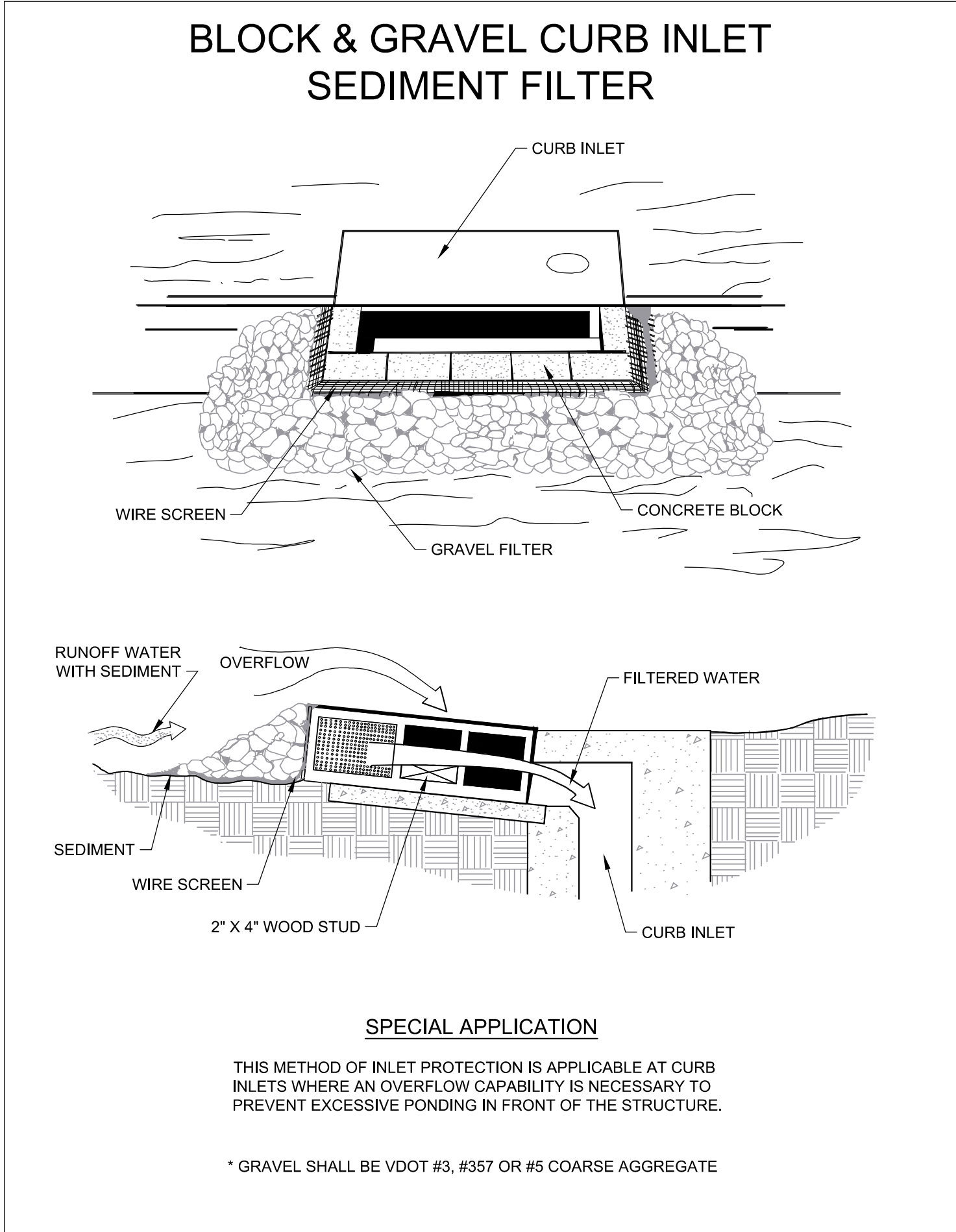
SAF SAFETY FENCE 3.01



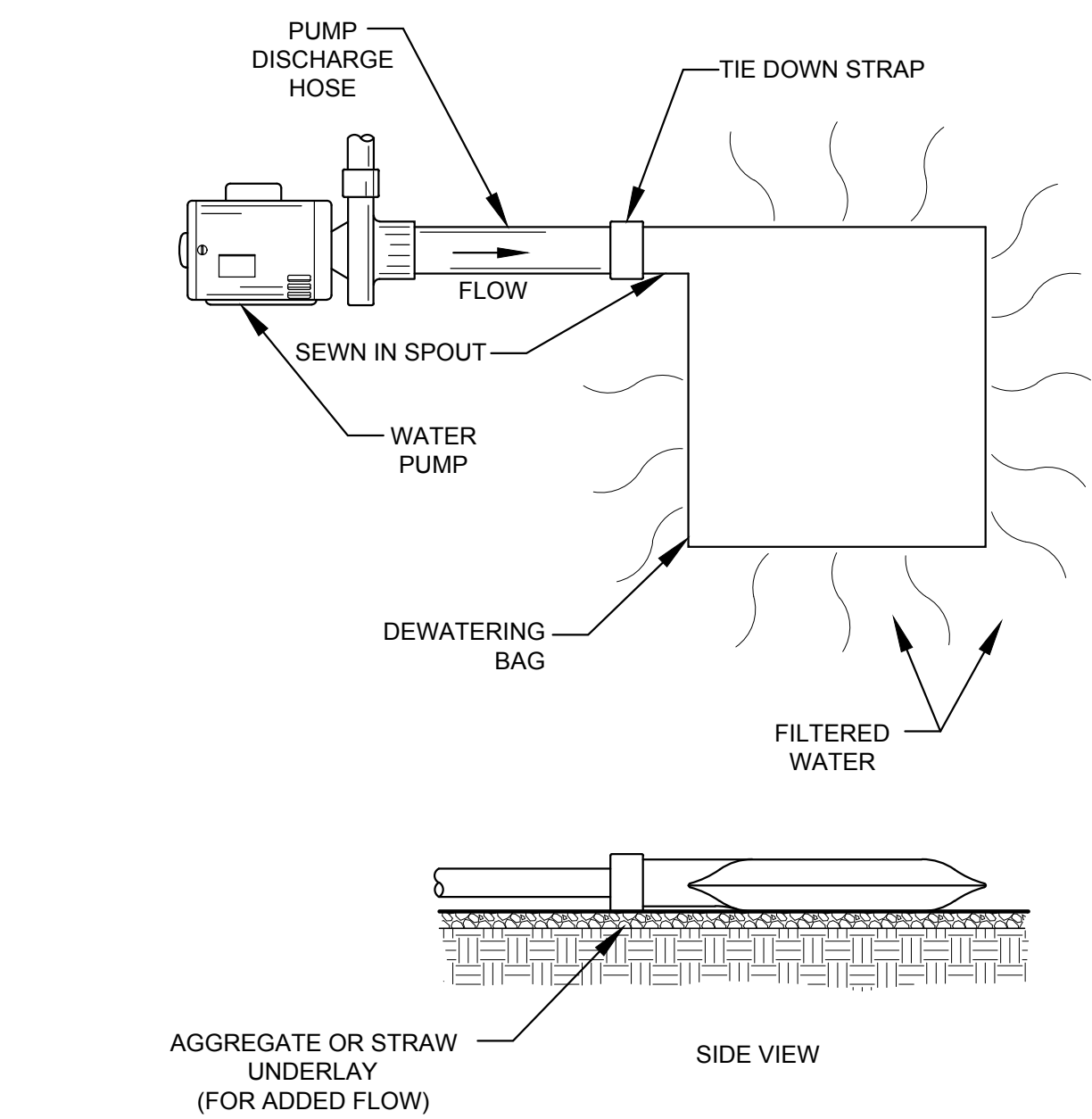
IP DROP INLET PROTECTION 3.07



SF SILT FENCE 3.05



IP CURB INLET PROTECTION 3.07



DEWATERING BAG

**FULTON HILL -
GREEN STREET**

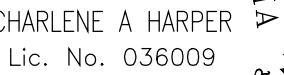
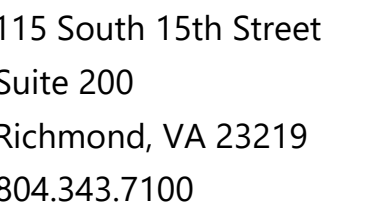
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**EROSION & SEDIMENT
CONTROL DETAILS**

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Drawn By:	DSN
Checked By:	CAH
QA/QC By:	ELG
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FULTON HILL -
GREEN STREET

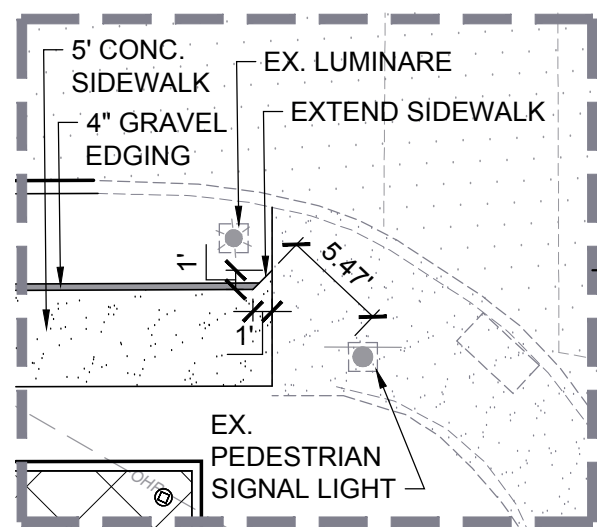
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5000 BLOCK

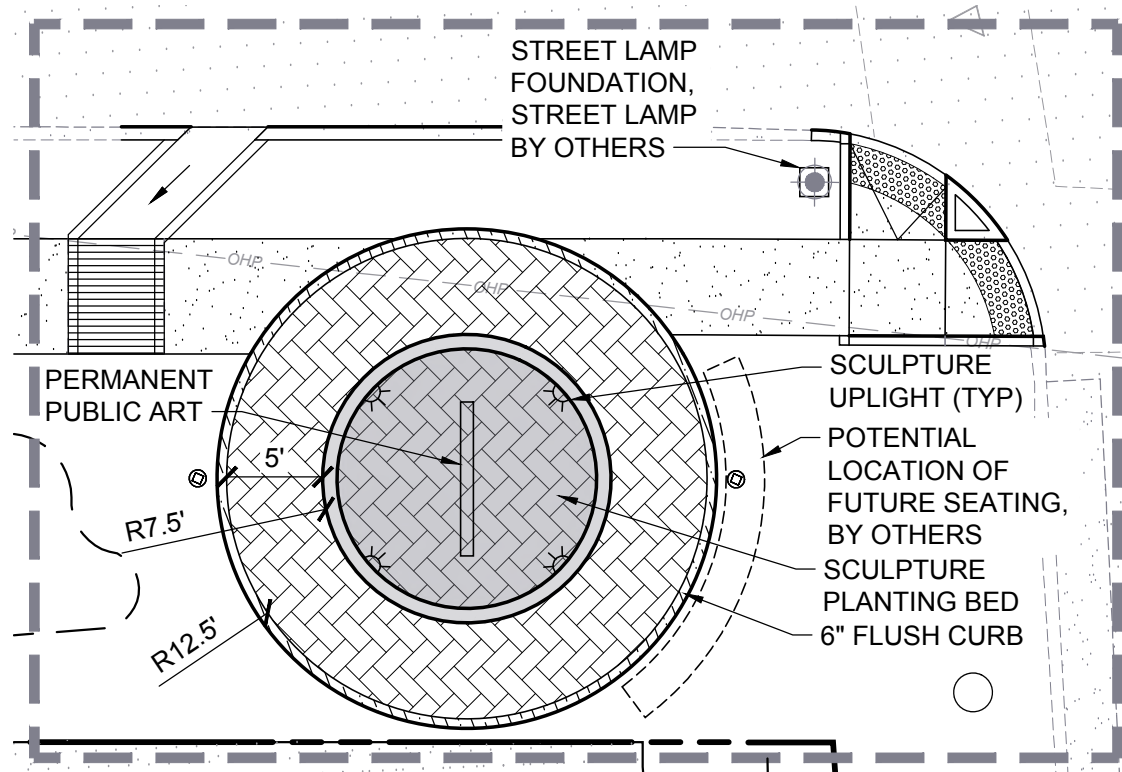
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QA/QC By:	ELG
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C3.00



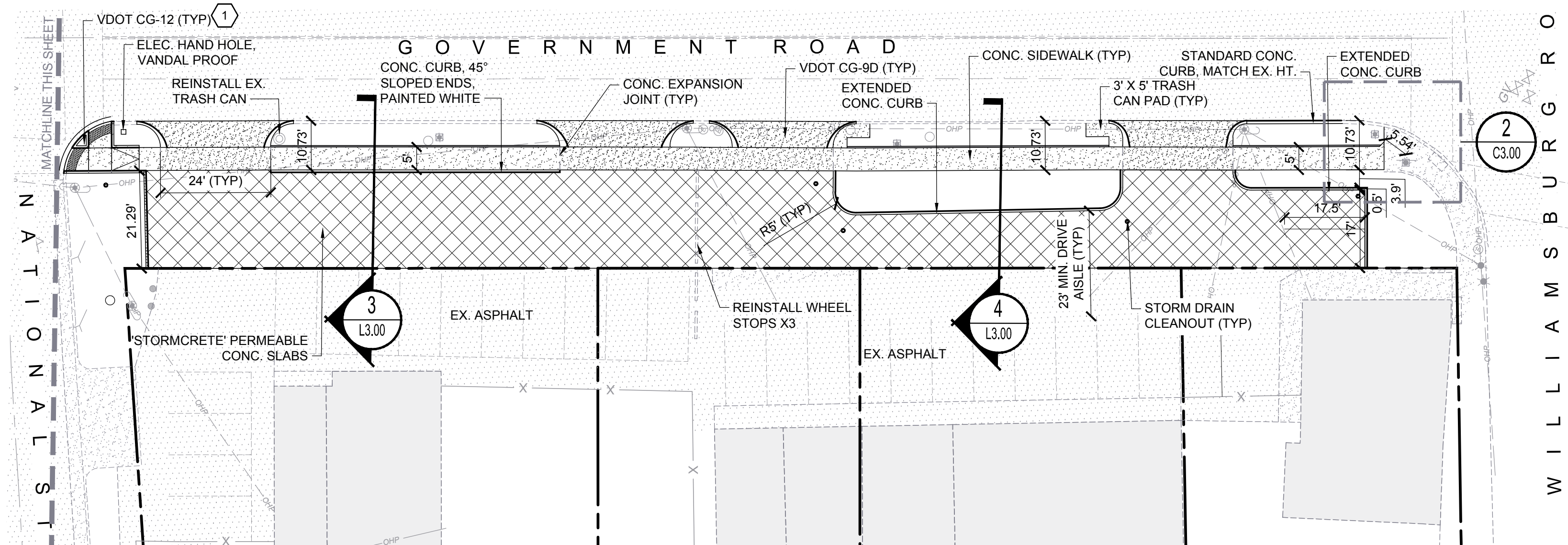
SIDEWALK TIE INSET

SCALE: 1" = 10'









ART PLAZA INSET

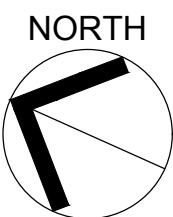
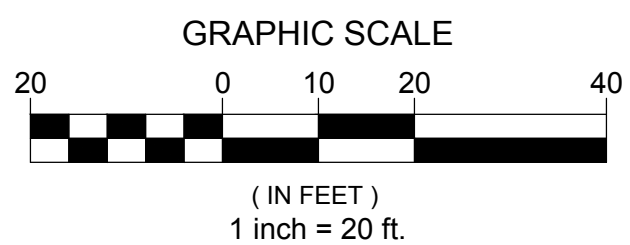
SCALE: 1" = 10'



NOTE:

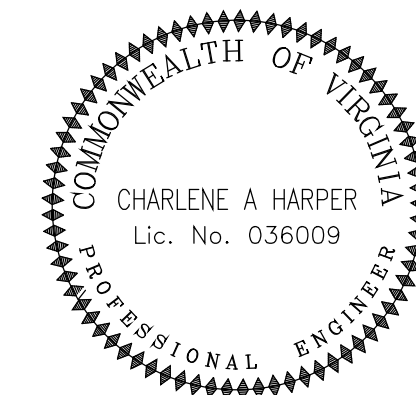
1 REFER TO C5.00 FOR CG-12 LAYOUT & GRADING.

	LIGHT DUTY ASPHALT
	1" ASPHALT OVERLAY
	LIGHT DUTY CONCRETE
	HEAVY DUTY CONCRETE
	'STORMCRETE' PERVIOUS CONCRETE
	PERMEABLE PAVERS





115 South 15th Street
Suite 200
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4900 BLOCK

FULTON HILL - GREEN STREET

GOVERNMENT ROAD, RICHMOND, VA

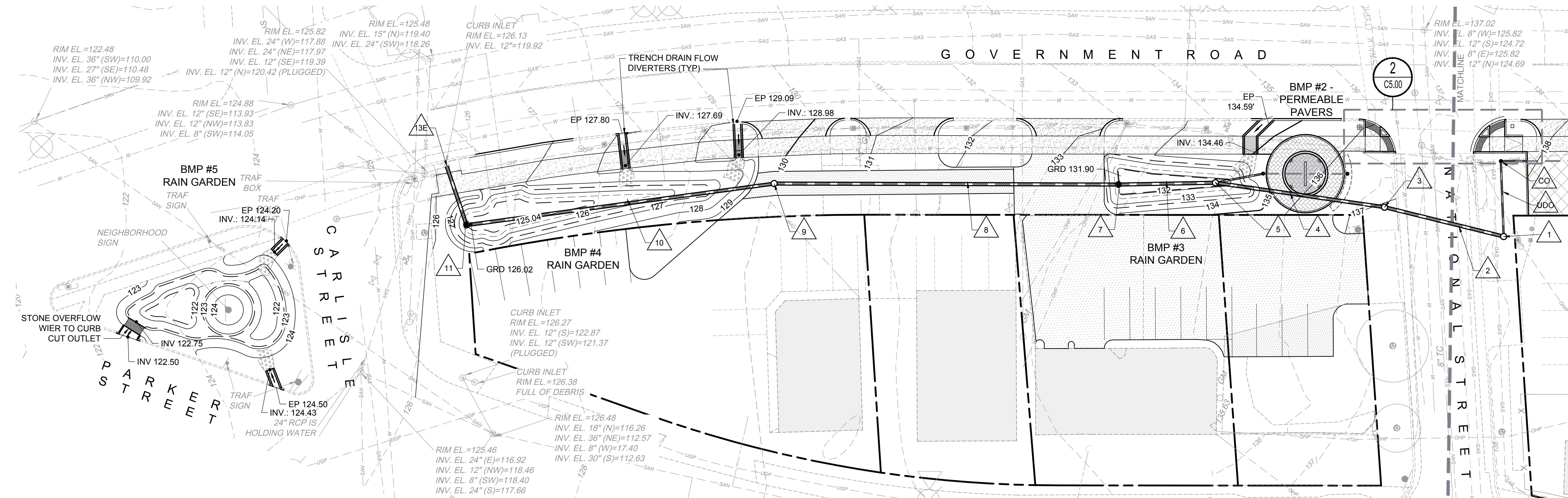
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GRADING AND DRAINAGE PLAN

Designed By:	CAH
Drawn By:	DSN
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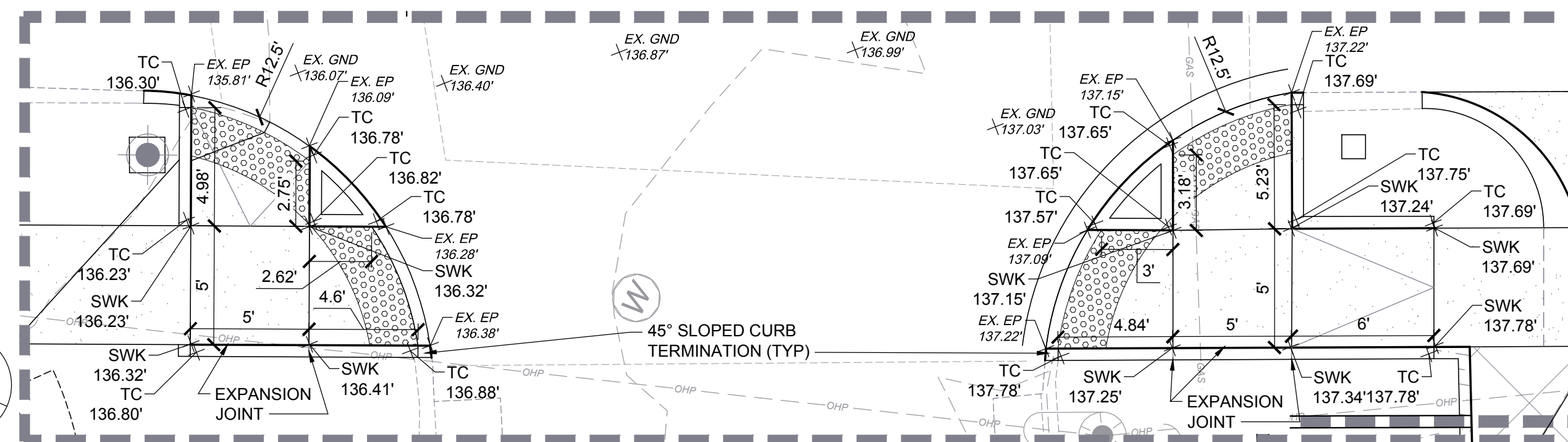
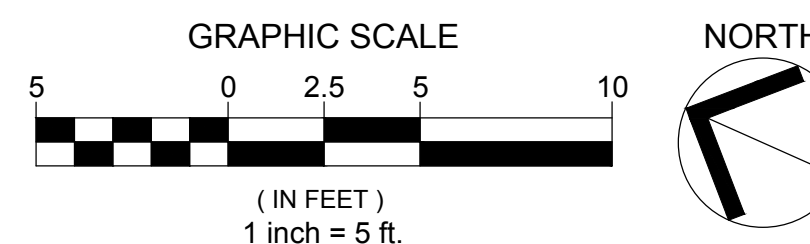
C5.00



NOTES:

- REFER TO C5.10 FOR STORM DRAIN PROFILES.

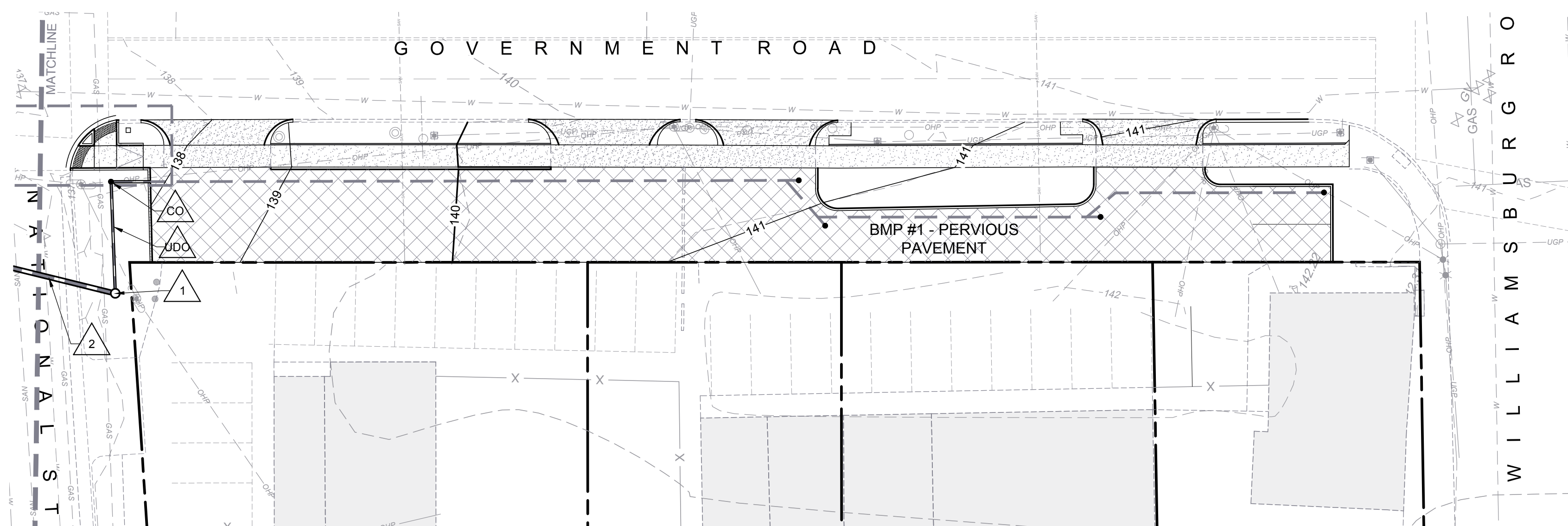
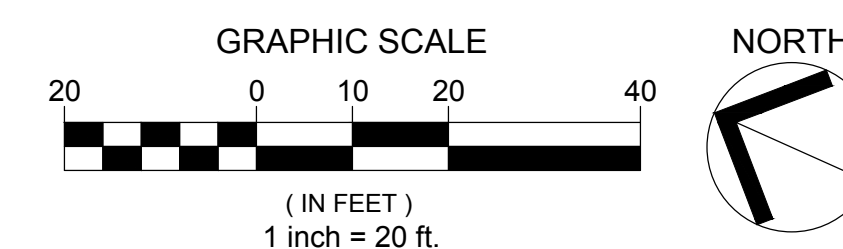
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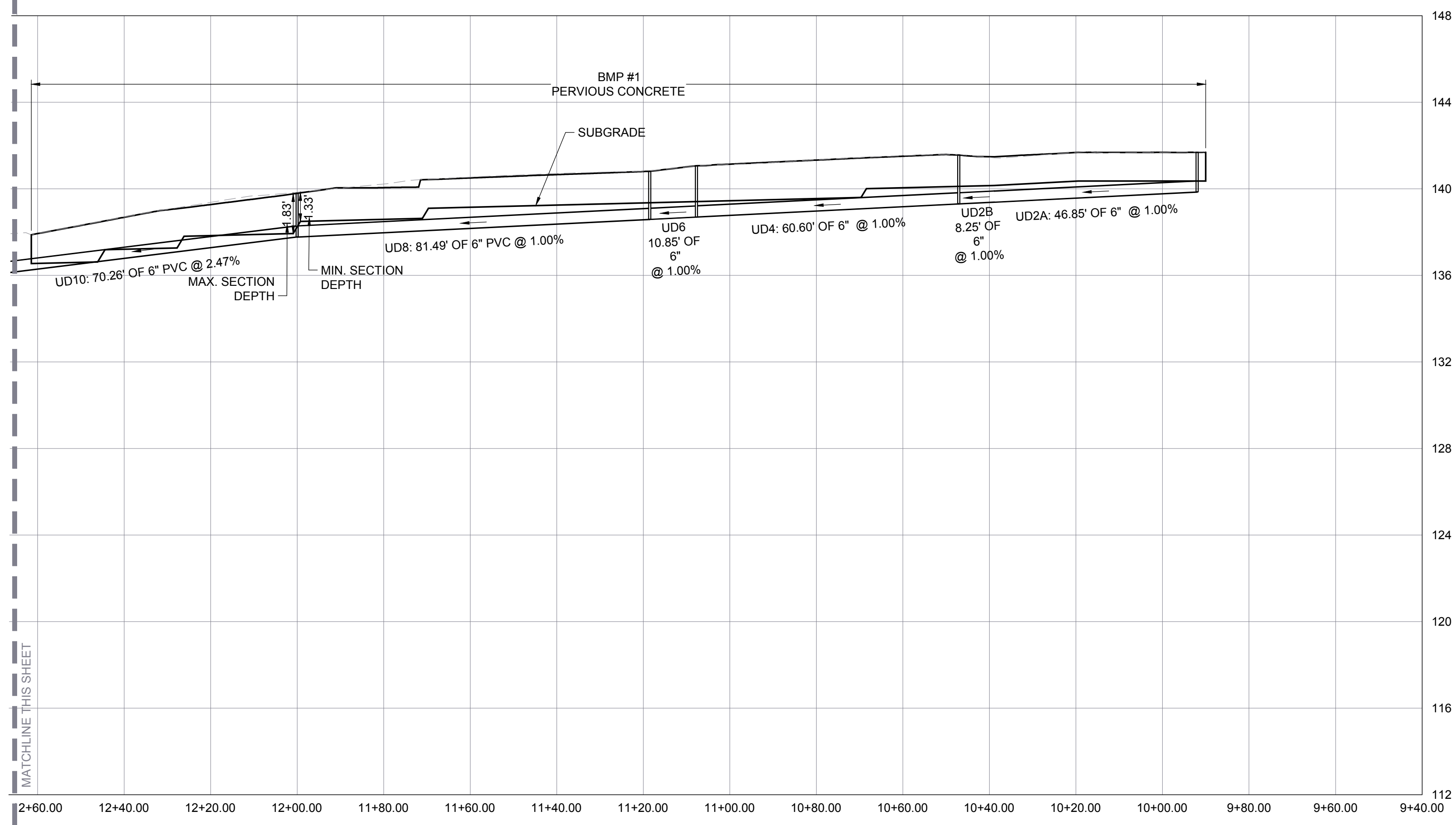
Structure Table			
STRUCTURE #	TOP	STRUCTURE HEIGHT	DESCRIPTION
CO	137.87	2.41'	6" CLEANOUT
1	138.17	7.08'	24" MANHOLE
3	137.02	7.25'	24" MANHOLE
5	131.92	5.44'	24" MANHOLE
7	132.42	6.36'	18" DOME INLET
9	129.74	9.00'	24" MANHOLE
11	125.54	5.42'	18" DOME INLET
21	134.81	3.07'	6" CLEANOUT

Pipe Table						
PIPE NAME	DIA	FROM - TO	UPSTREAM INVERT	DOWNSTREAM INVERT	SLOPE	LENGTH
UDO	6"	CO - 1	135.46	134.91	2.19%	25.11 LF
2	12"	1 - 3	131.09	129.87	3.00%	40.85 LF
4	12"	3 - 5	129.77	126.59	5.60%	56.83 LF
6	12"	5 - 7	126.48	126.16	1.00%	32.28 LF
8	12"	7 - 9	126.06	120.84	4.56%	114.61 LF
10	12"	9 - 11	120.74	120.22	0.50%	103.35 LF
12	12"	11 - 13E	120.12	120.02	0.50%	20.55 LF
22	6"	21 - 5	131.74	127.30	27.45%	16.19 LF

5000 BLOCK



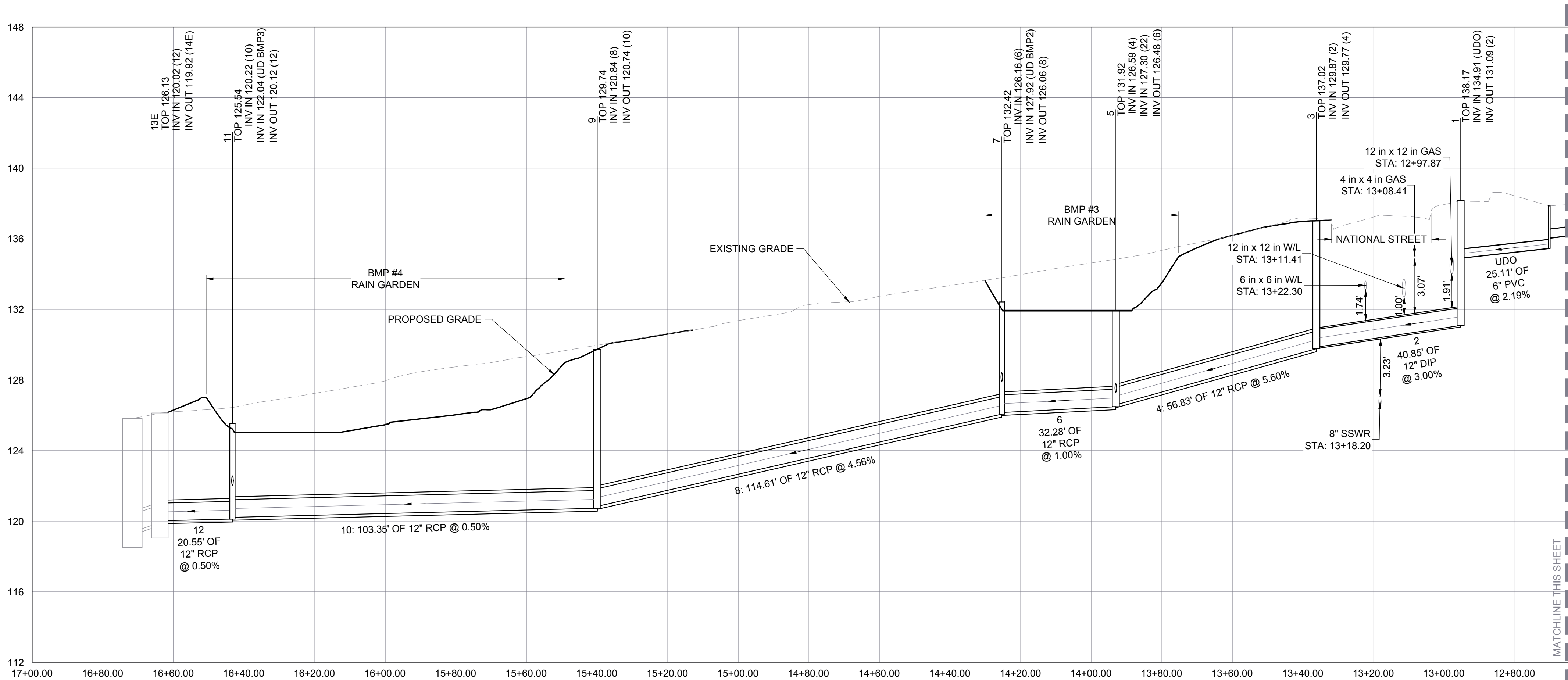
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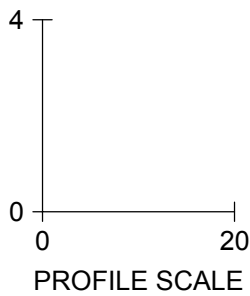
PERVIOUS CONCRETE PROFILE

Structure Table			
STRUCTURE #	TOP	STRUCTURE HEIGHT	DESCRIPTION
CO	137.87	2.41'	6" CLEANOUT
1	138.17	7.08'	24" MANHOLE
3	137.02	7.25'	24" MANHOLE
5	131.92	5.44'	24" MANHOLE
7	132.42	6.36'	18" DOME INLET
9	129.74	9.00'	24" MANHOLE
11	125.54	5.42'	18" DOME INLET
21	134.81	3.07'	6" CLEANOUT

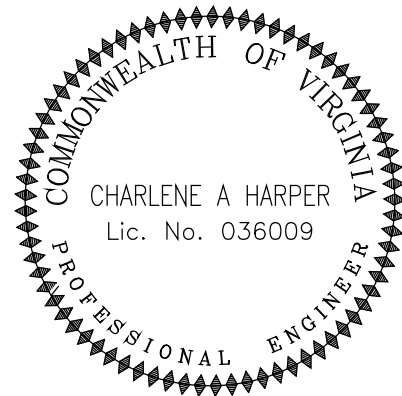
Pipe Table						
PIPE NAME	DIA	FROM - TO	UPSTREAM INVERT	DOWNSTREAM INVERT	SLOPE	LENGTH
UDO	6"	CO - 1	135.46	134.91	2.19%	25.11 LF
2	12"	1 - 3	131.09	129.87	3.00%	40.85 LF
4	12"	3 - 5	129.77	126.59	5.60%	56.83 LF
6	12"	5 - 7	126.48	126.16	1.00%	32.28 LF
8	12"	7 - 9	126.06	120.84	4.56%	114.61 LF
10	12"	9 - 11	120.74	120.22	0.50%	103.35 LF
12	12"	11 - 13E	120.12	120.02	0.50%	20.55 LF
22	6"	21 - 5	131.74	127.30	27.45%	16.19 LF



STORM DRAIN PROFILE



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FULTON HILL - GREEN STREET

GOVERNMENT ROAD, RICHMOND, VA

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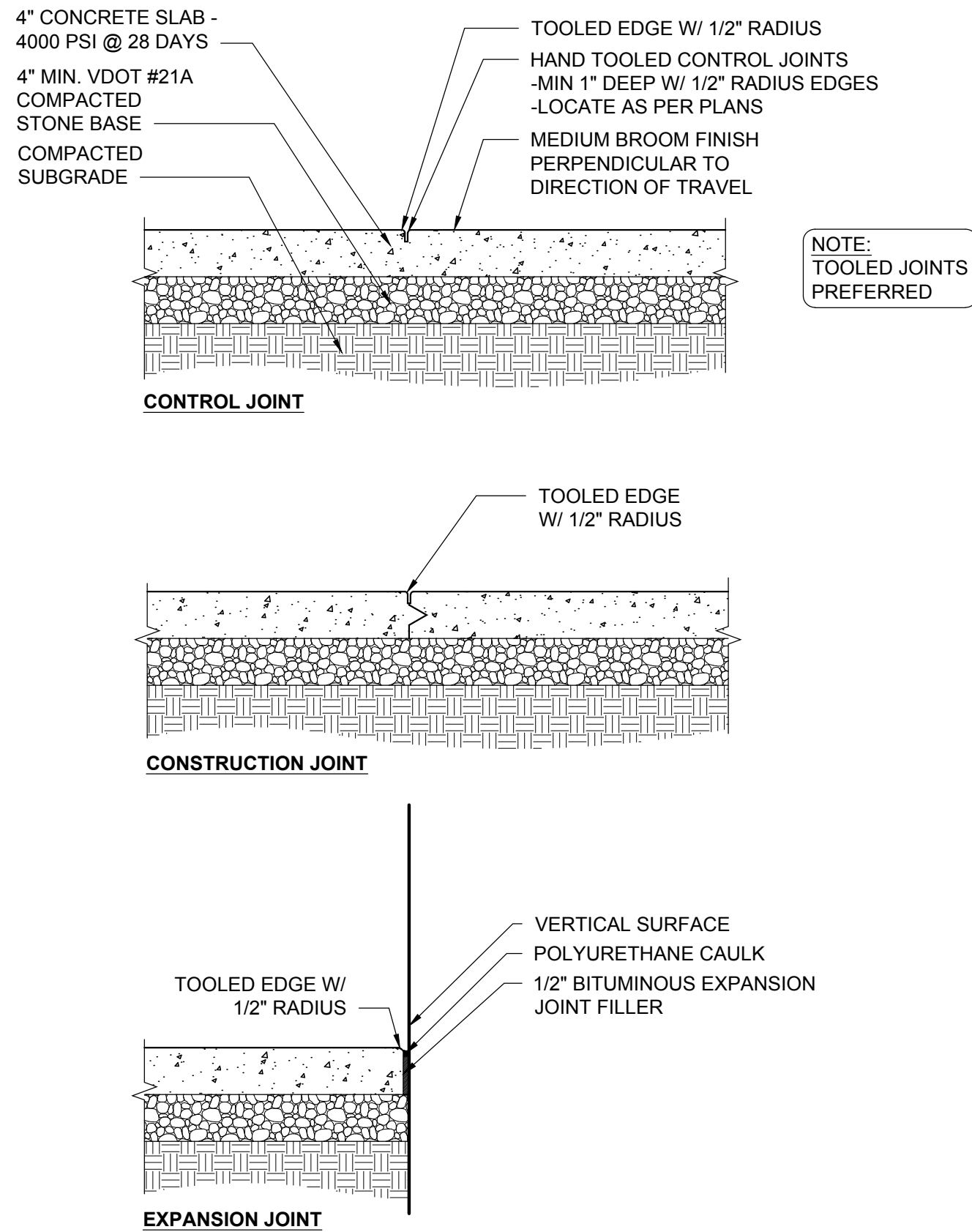
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DRAINAGE PROFILE & SCHEDULE

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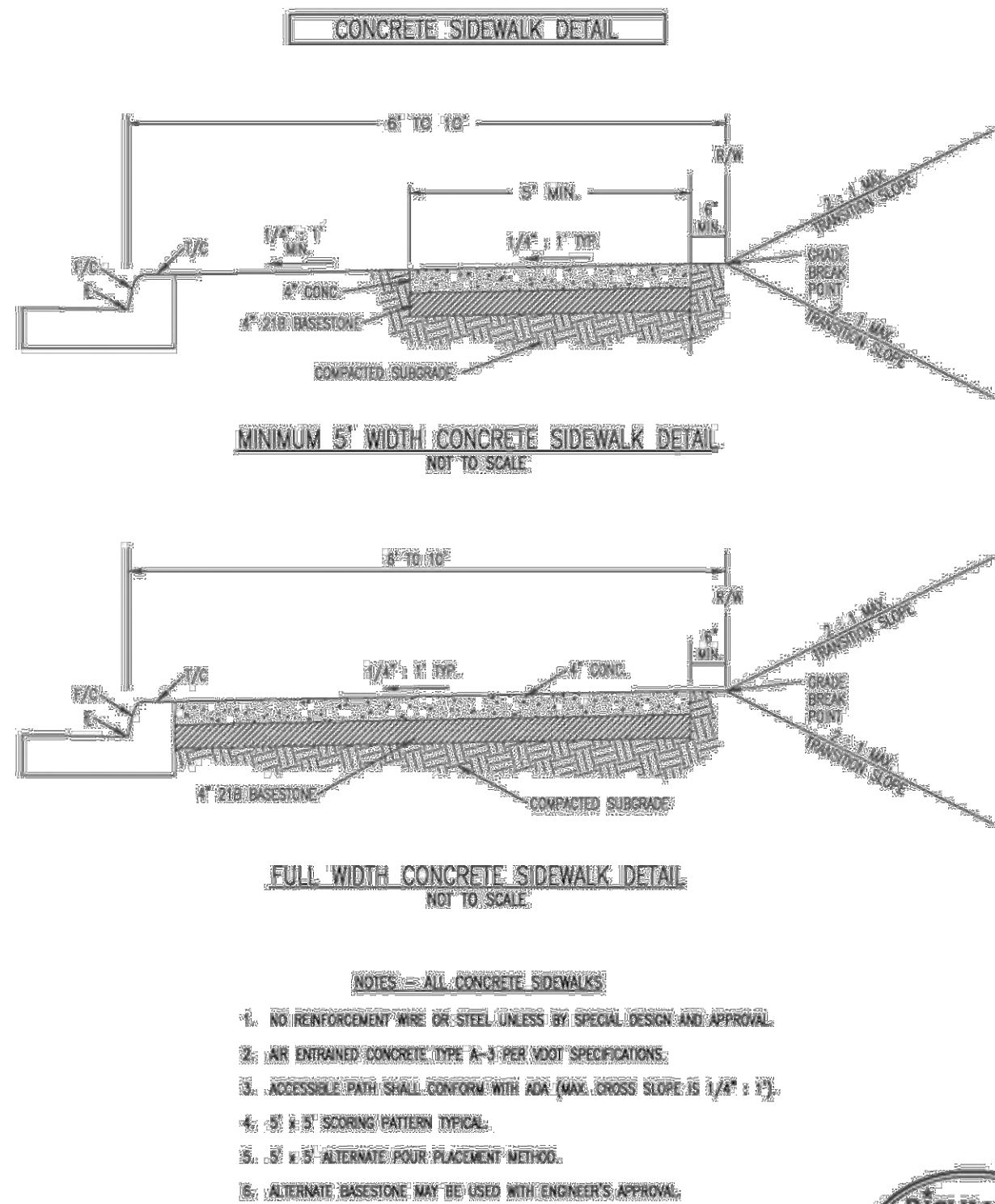
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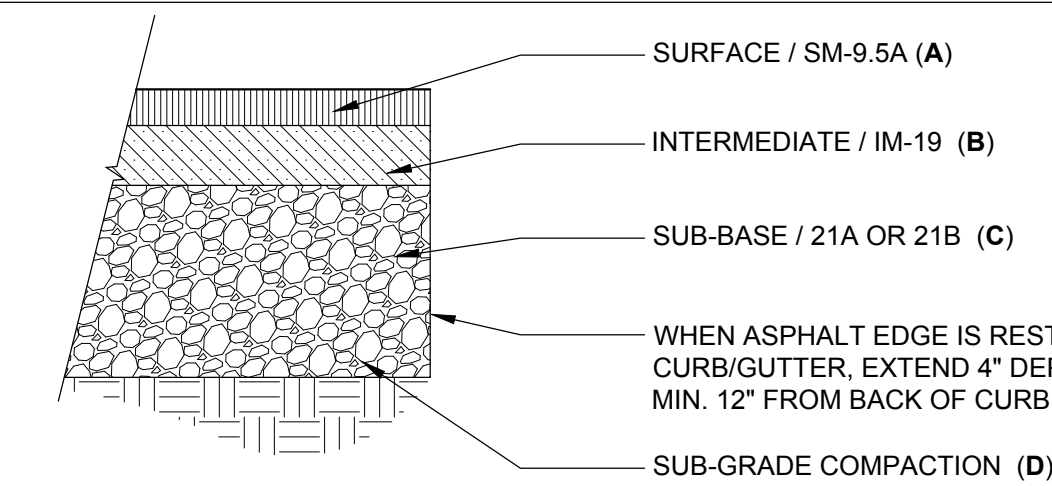
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SCALE: NTS



SECTION 6 CONCRETE SIDEWALK

SCALE: NTS

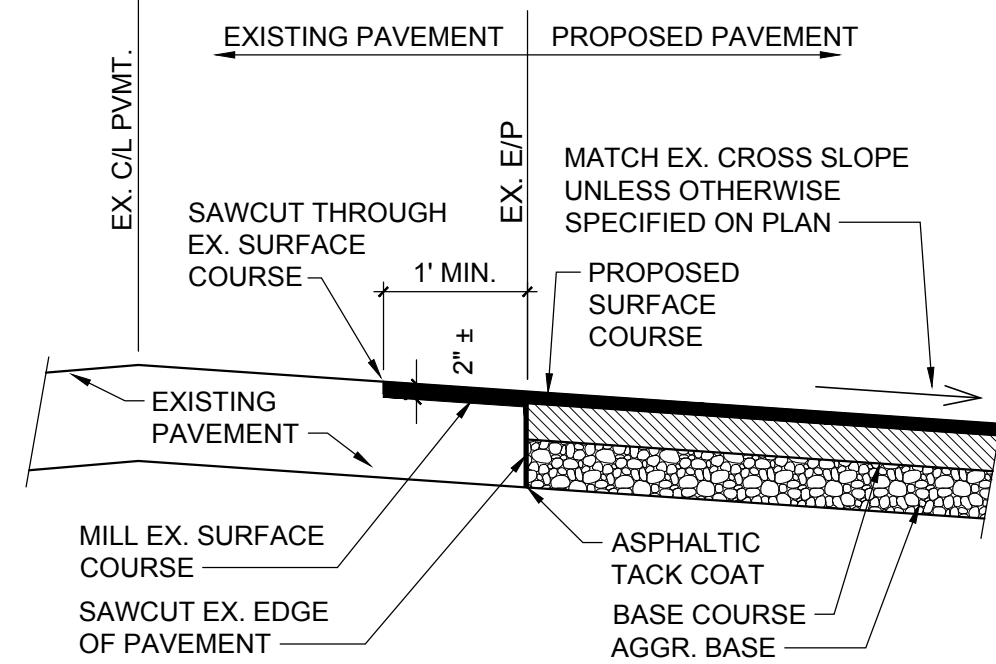


COURSE/VDOT SPECIFICATIONS	LIGHT DUTY
SURFACE/SM-9.5A (A)	2.0"
INTERMEDIATE/IM-19 (B)	-
SUB-BASE/21A OR 21B (C)	8.0"
SUB-GRADE COMPACTION (D)	*95%

*MAXIMUM DRY DENSITY DENSITY (ASTM D698, METHOD D)

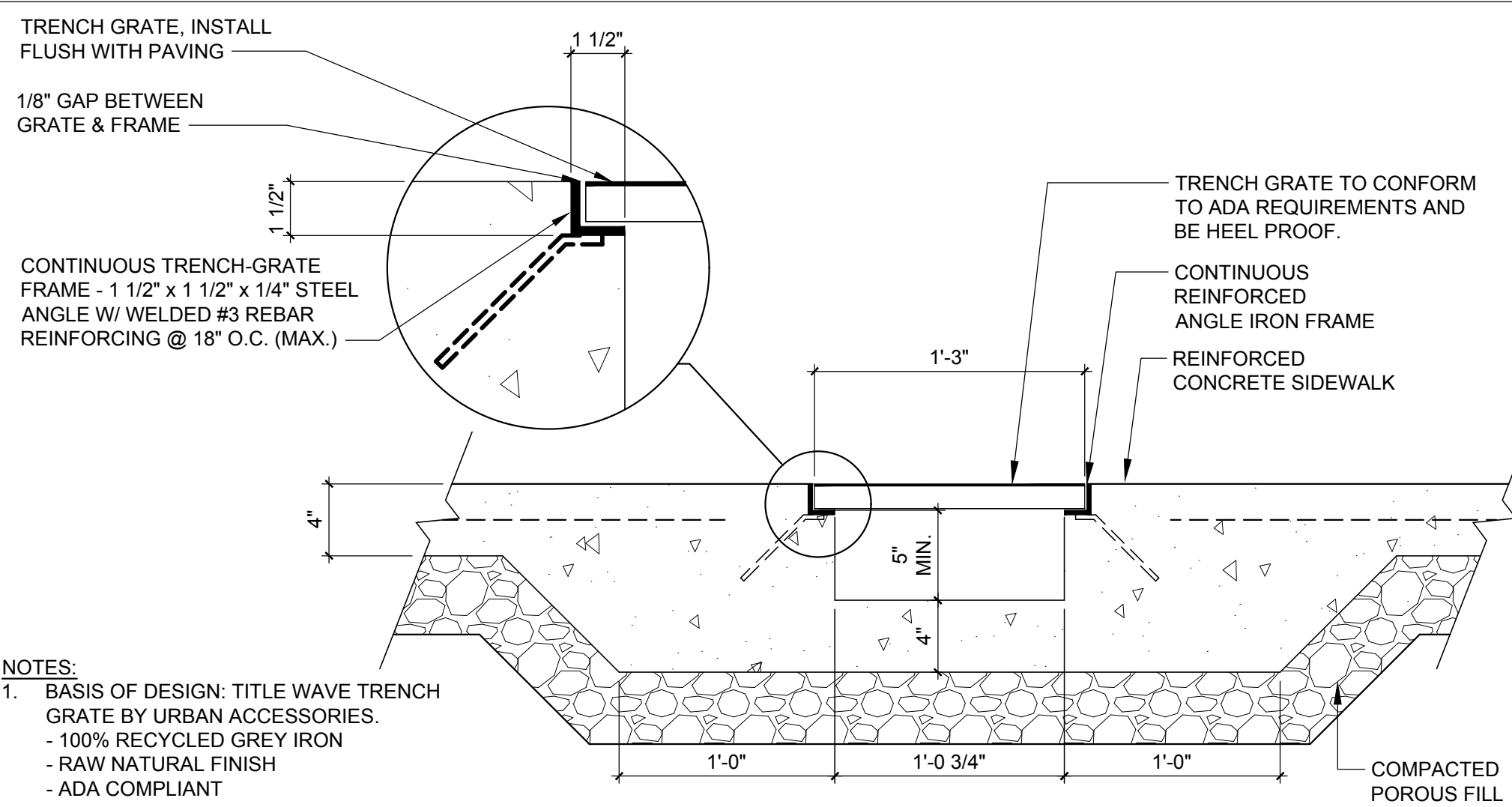
SECTION 2 ASPHALT

SCALE: NTS



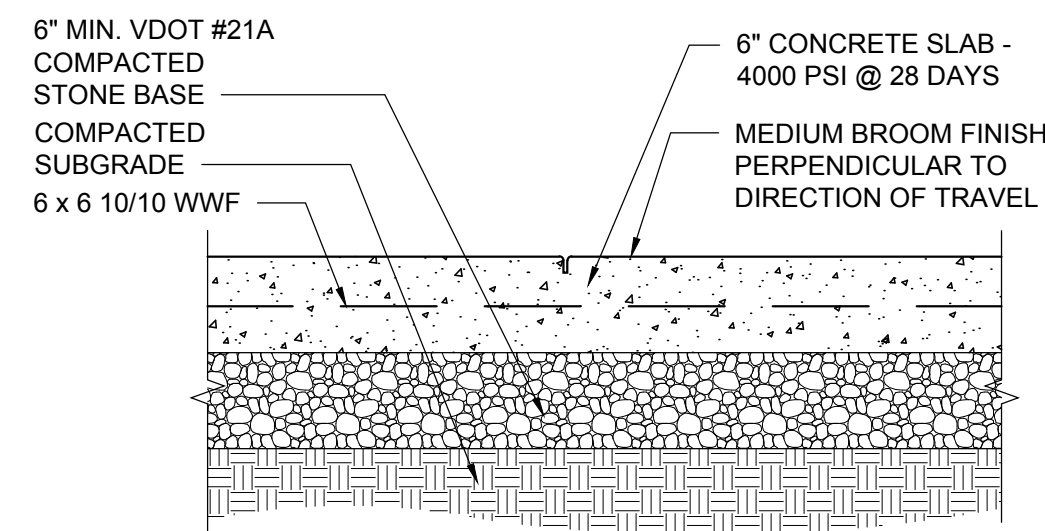
SECTION 3 EXISTING TO PROPOSED ASPHALT JOINT

SCALE: NTS



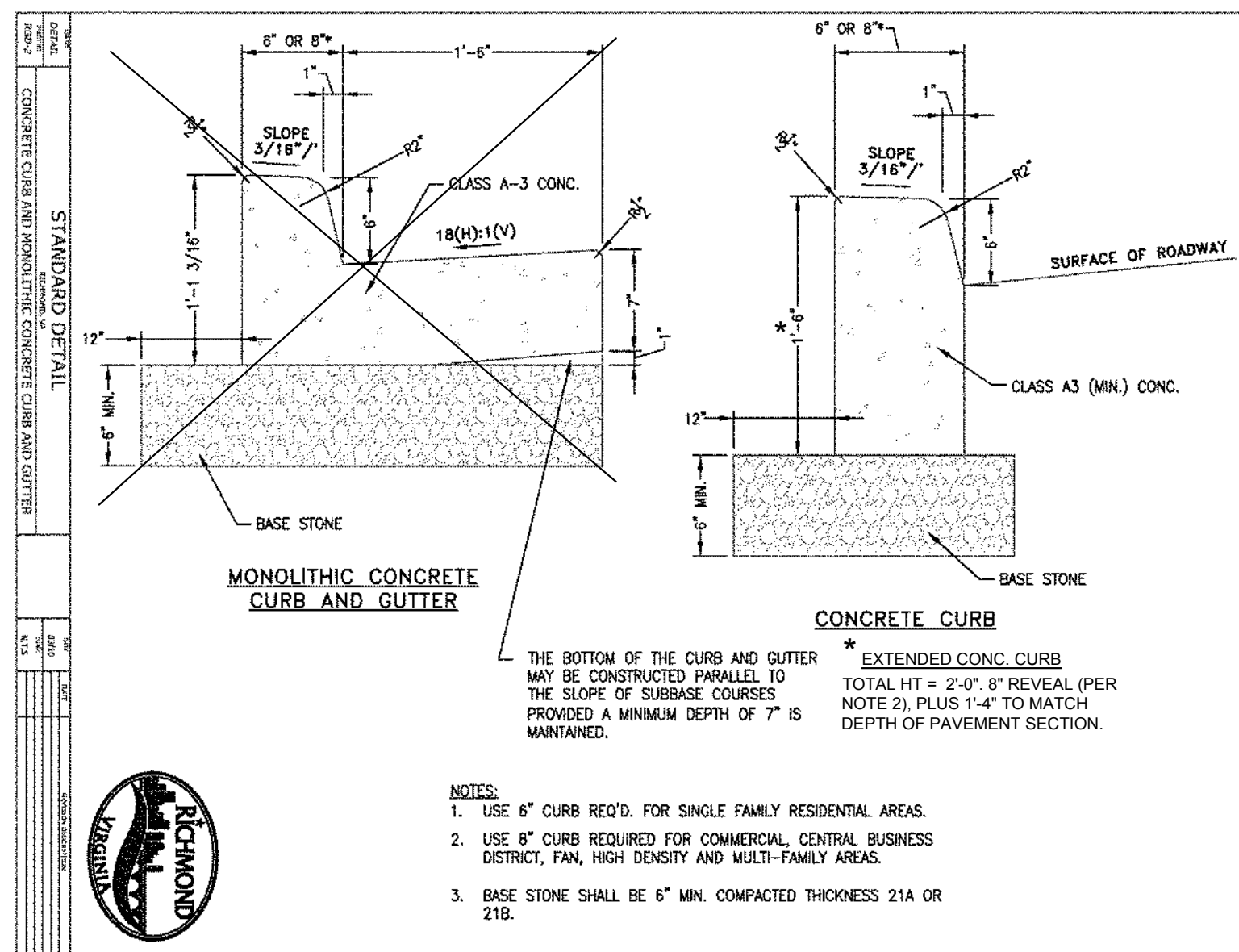
SECTION 4 GRATED FLUME IN SIDEWALK

SCALE: NTS



SECTION 5 HEAVY DUTY CONCRETE

SCALE: NTS



REFER TO VDOT STANDARD DETAILS FOR:

- CG-9D STANDARD GUTTER ENTRANCE
- CG-12 TYPE B DETECTABLE WARNING SURFACE

VDOT STANDARD DETAILS

SCALE:

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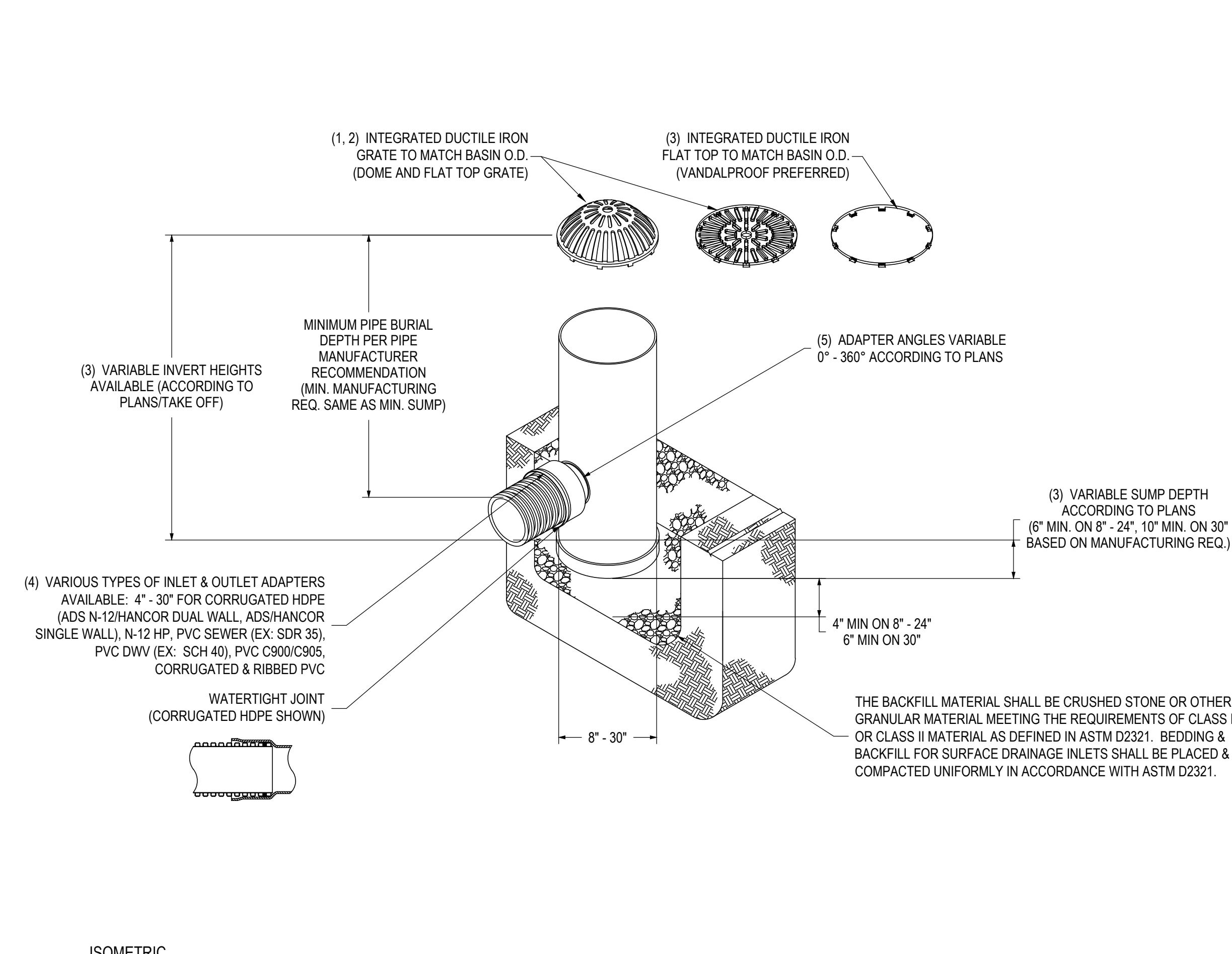
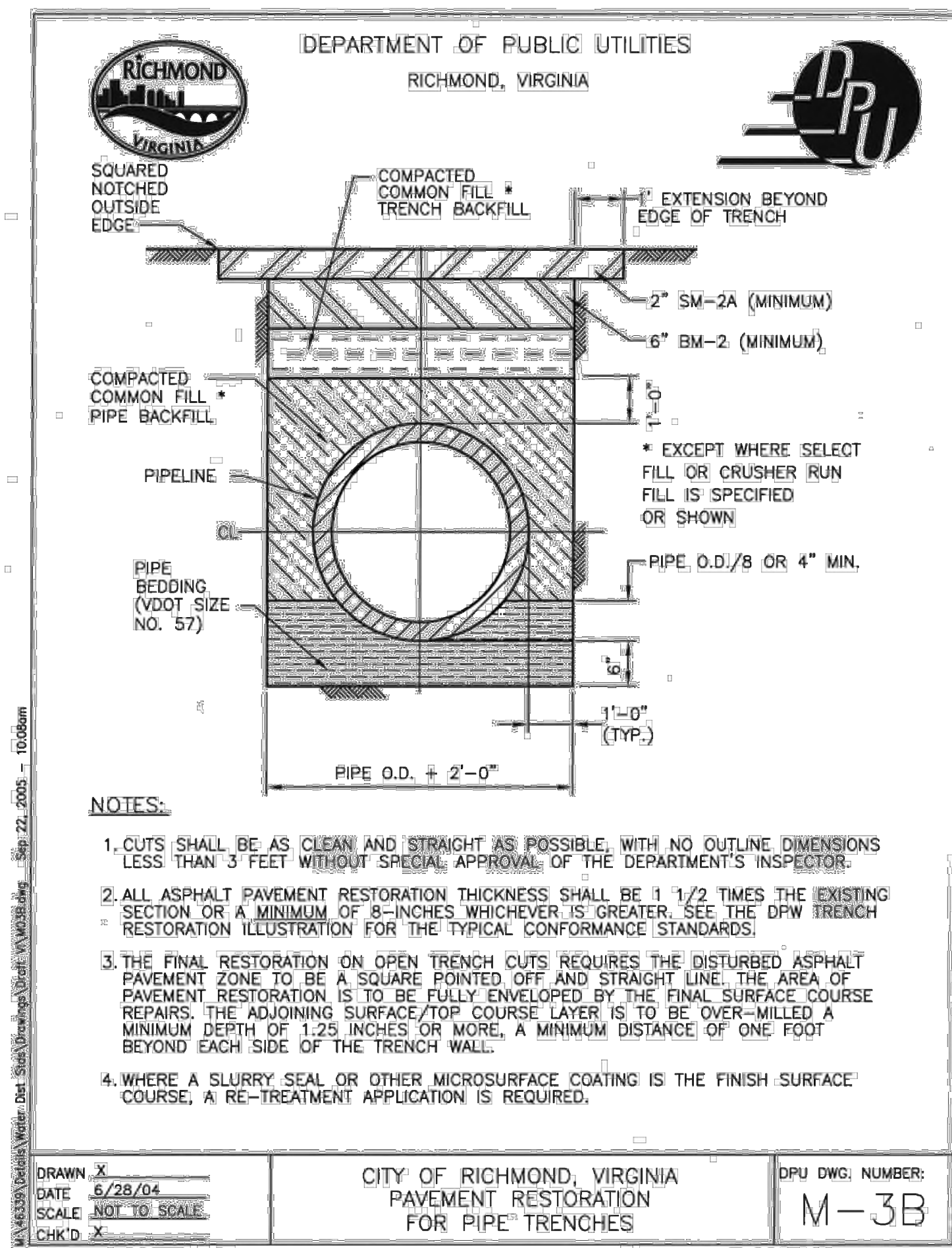
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SITE DETAILS

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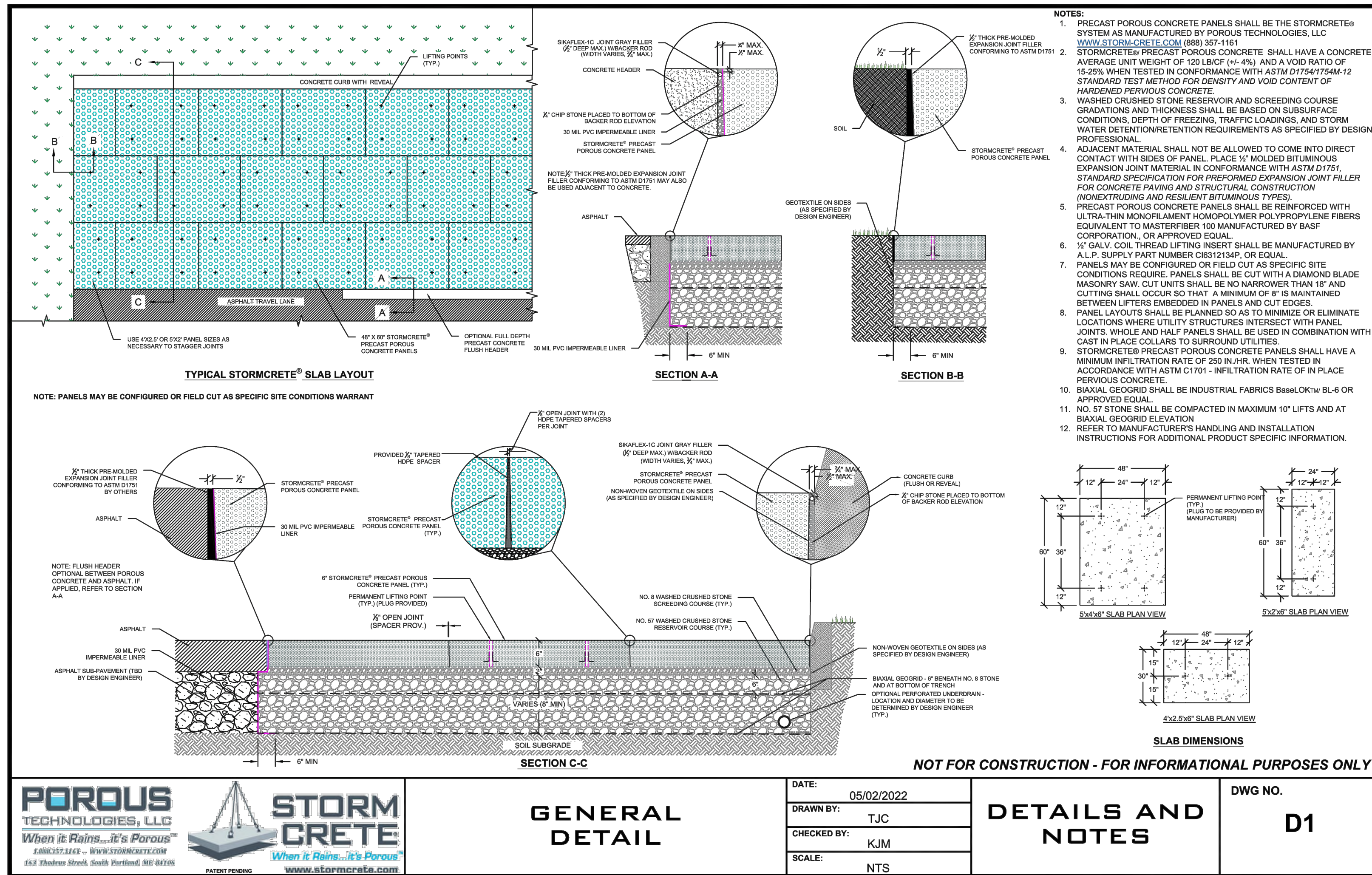
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SECTION 1
PIPE TRENCH
SCALE: NTS

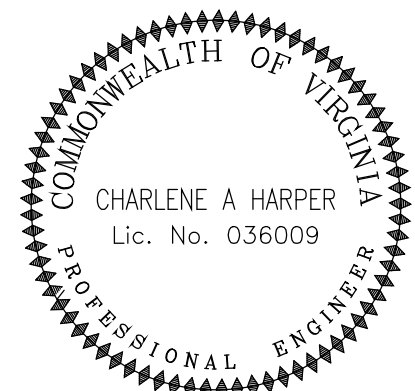
SECTION 2
ISOMETRIC PLASTIC STORM STRUCTURE
SCALE: NTS



SECTION 3
PLAN/SECTION PRECAST PERVIOUS CONCRETE
SCALE: NTS

vhb

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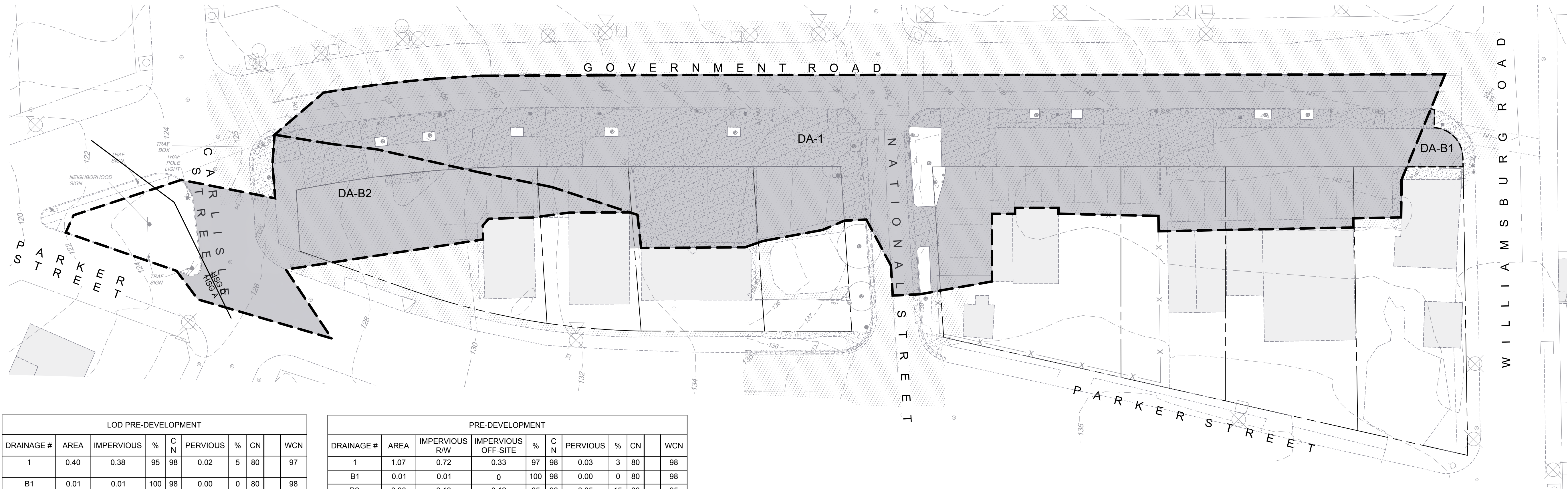
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STORM DRAIN DETAILS

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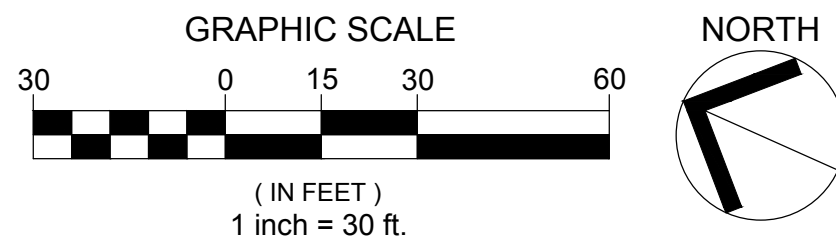
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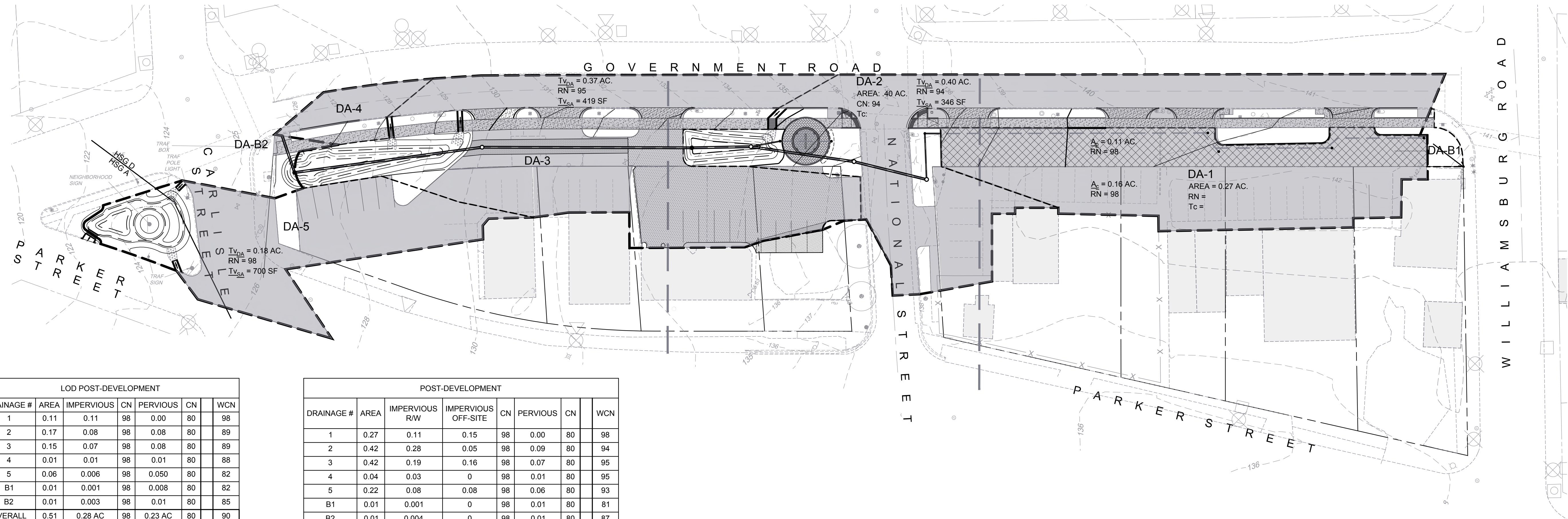
LOD PRE-DEVELOPMENT								
DRAINAGE #	AREA	IMPERVIOUS	%	C N	PERVIOUS	%	CN	WCN
1	0.40	0.38	95	98	0.02	5	80	97
B1	0.01	0.01	100	98	0.00	0	80	98
B2	0.10	0.05	53	98	0.05	47	80	90
OVERALL	0.51 AC	0.45 AC	87	98	0.07 AC	13	80	96

PRE-DEVELOPMENT									
DRAINAGE #	AREA	IMPERVIOUS R/W	IMPERVIOUS OFF-SITE	%	C N	PERVIOUS	%	CN	WCN
1	1.07	0.72	0.33	97	98	0.03	3	80	98
B1	0.01	0.01	0	100	98	0.00	0	80	98
B2	0.30	0.13	0.12	85	98	0.05	15	80	95
OVERALL	1.38 AC	0.86 AC	0.45 AC	95	98	0.07 AC	5	80	97

EXISTING CONDITIONS

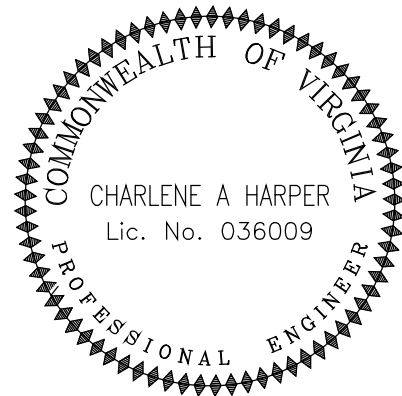


PROPOSED CONDITIONS



LOD POST-DEVELOPMENT								
DRAINAGE #	AREA	IMPERVIOUS	CN	PERVIOUS	CN			WCN
1	0.11	0.11	98	0.00	80			98
2	0.17	0.08	98	0.08	80			89
3	0.15	0.07	98	0.08	80			89
4	0.01	0.01	98	0.01	80			88
5	0.06	0.006	98	0.050	80			82
B1	0.01	0.001	98	0.008	80			82
B2	0.01	0.003	98	0.01	80			85
OVERALL	0.51 AC	0.28 AC	98	0.23 AC	80			90

POST-DEVELOPMENT								
DRAINAGE #	AREA	IMPERVIOUS R/W	IMPERVIOUS OFF-SITE	CN	PERVIOUS	CN		WCN
1	0.27	0.11	0.15	98	0.00	80		98
2	0.42	0.28	0.05	98	0.09	80		94
3	0.42	0.19	0.16	98	0.07	80		95
4	0.04	0.03	0	98	0.01	80		95
5	0.22	0.08	0.08	98	0.06	80		93
B1	0.01	0.001	0	98	0.01	80		81
B2	0.01	0.004	0	98	0.01	80		87
OVERALL	1.39 AC	0.70 AC	0.44 AC	98	0.24 AC	80		95



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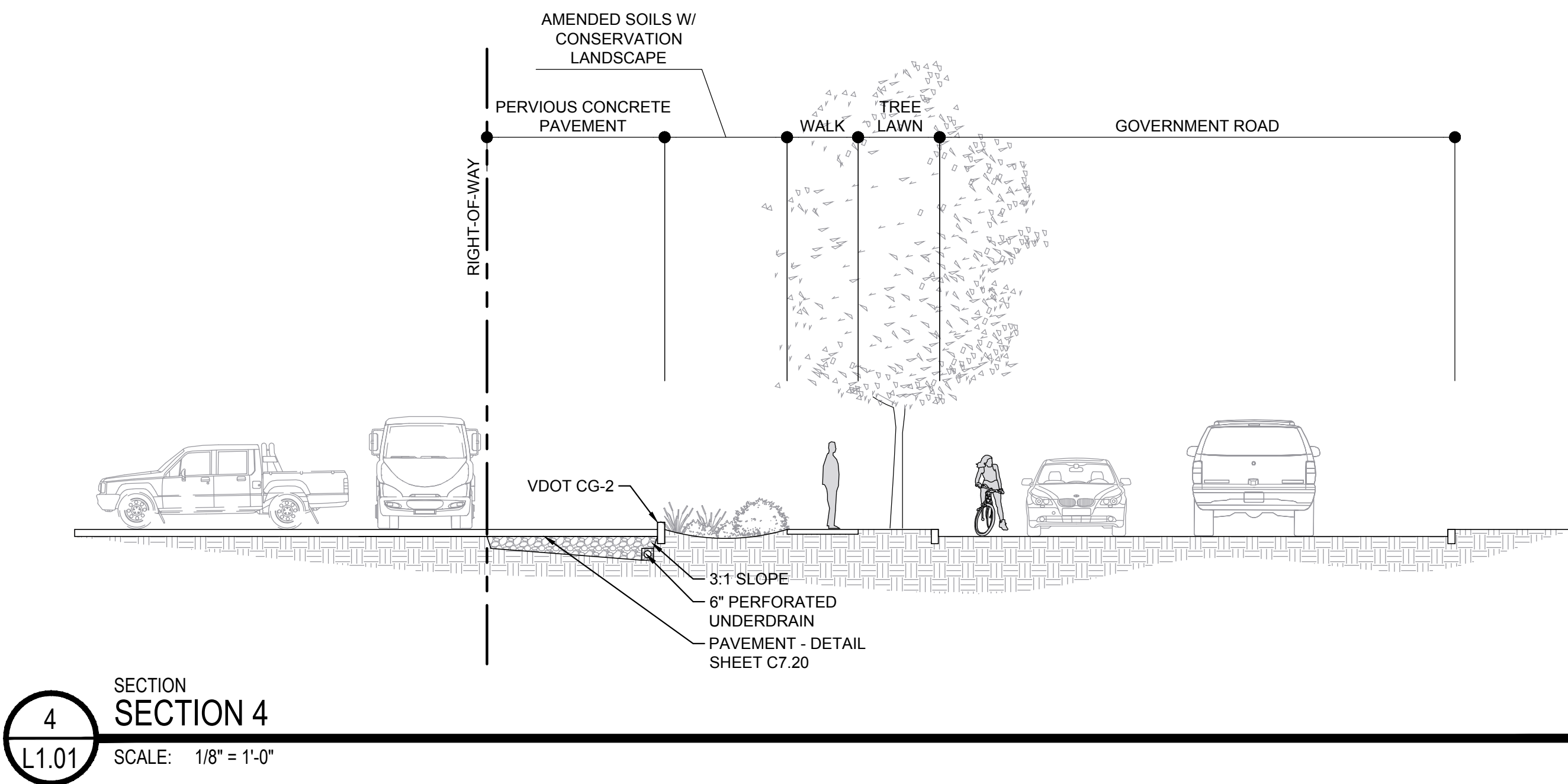
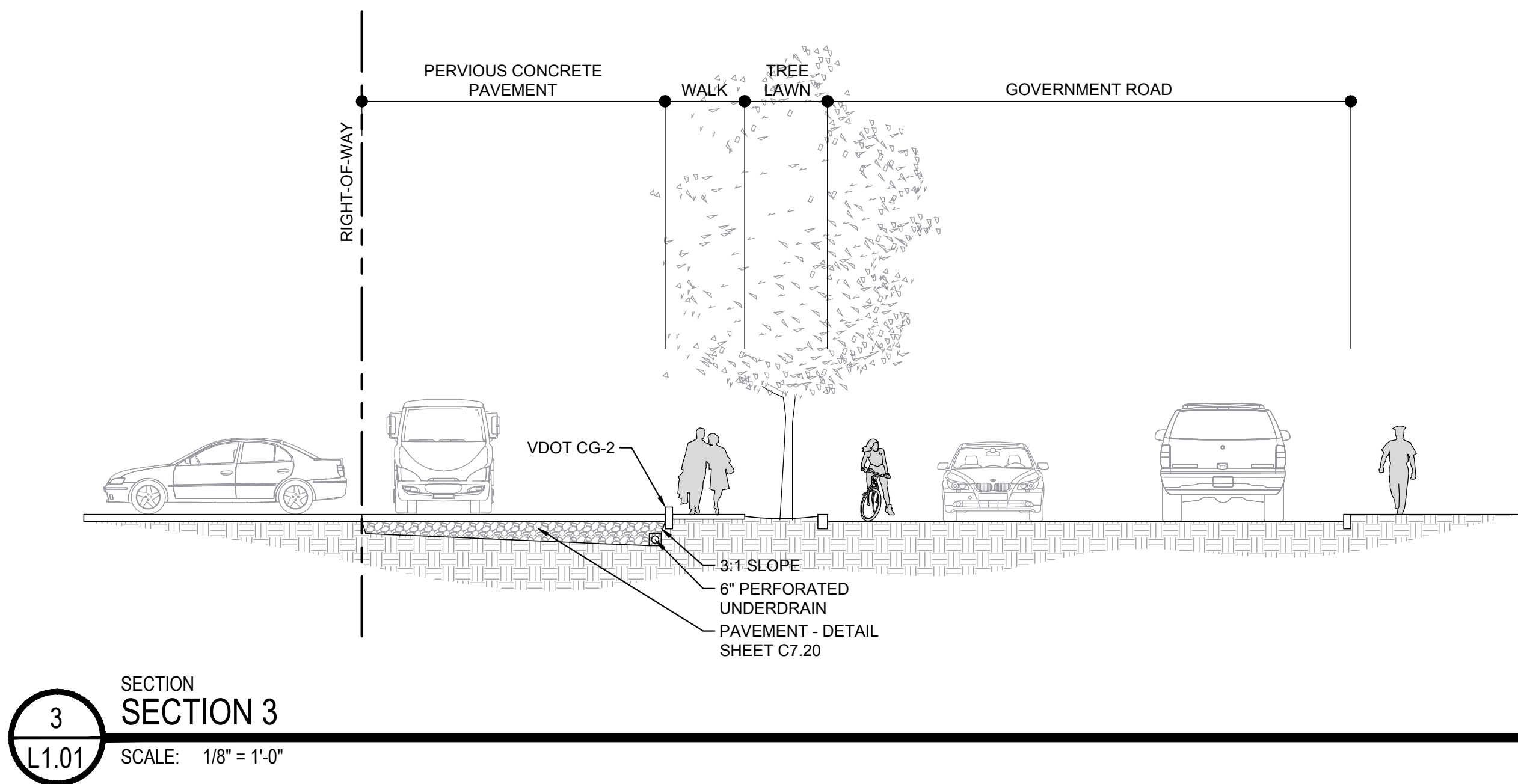
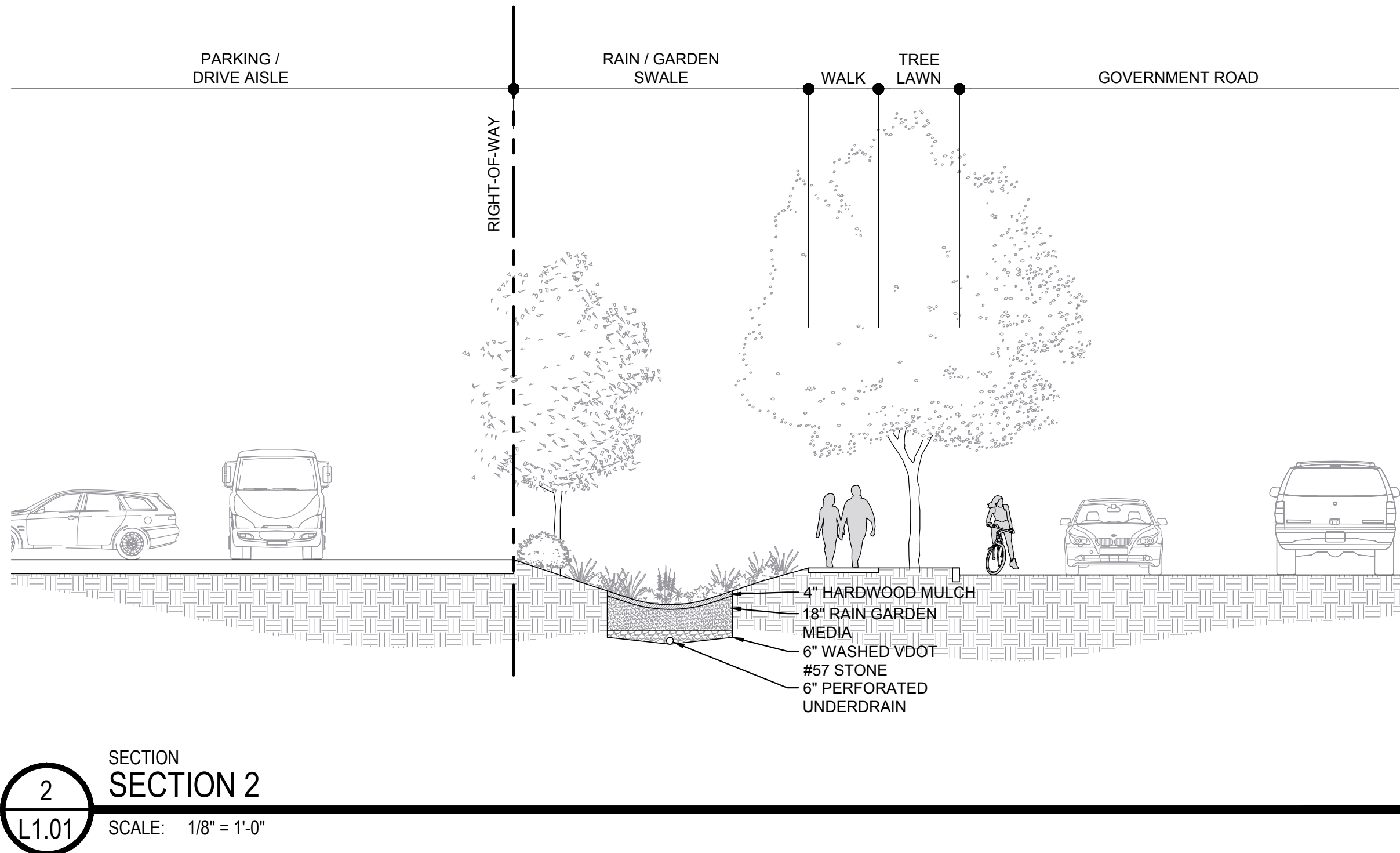
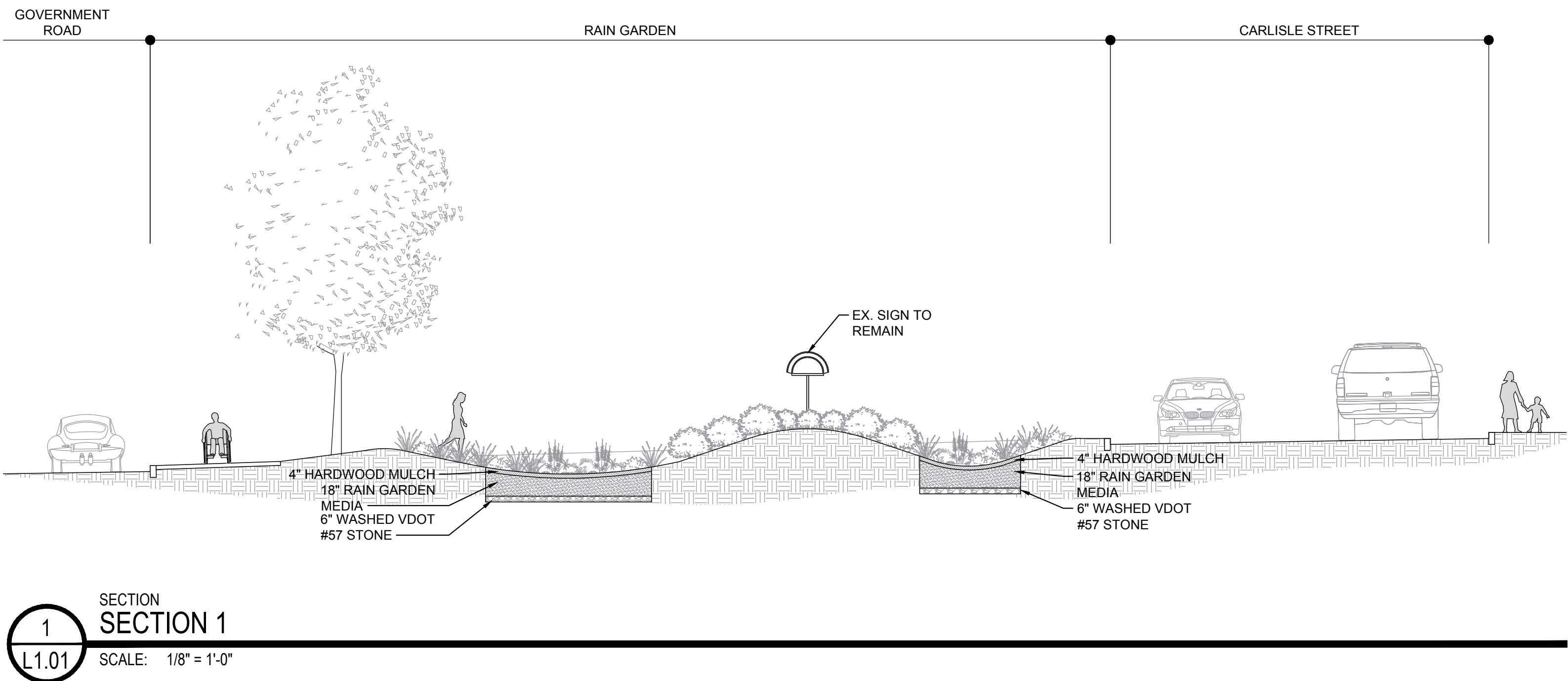
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DRAINAGE AREA MAP

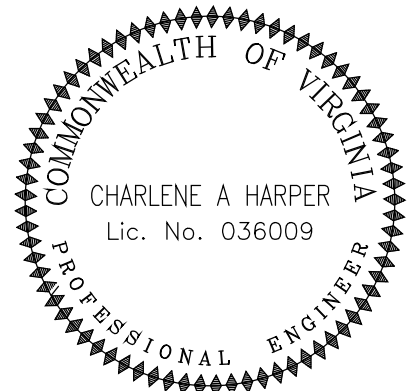
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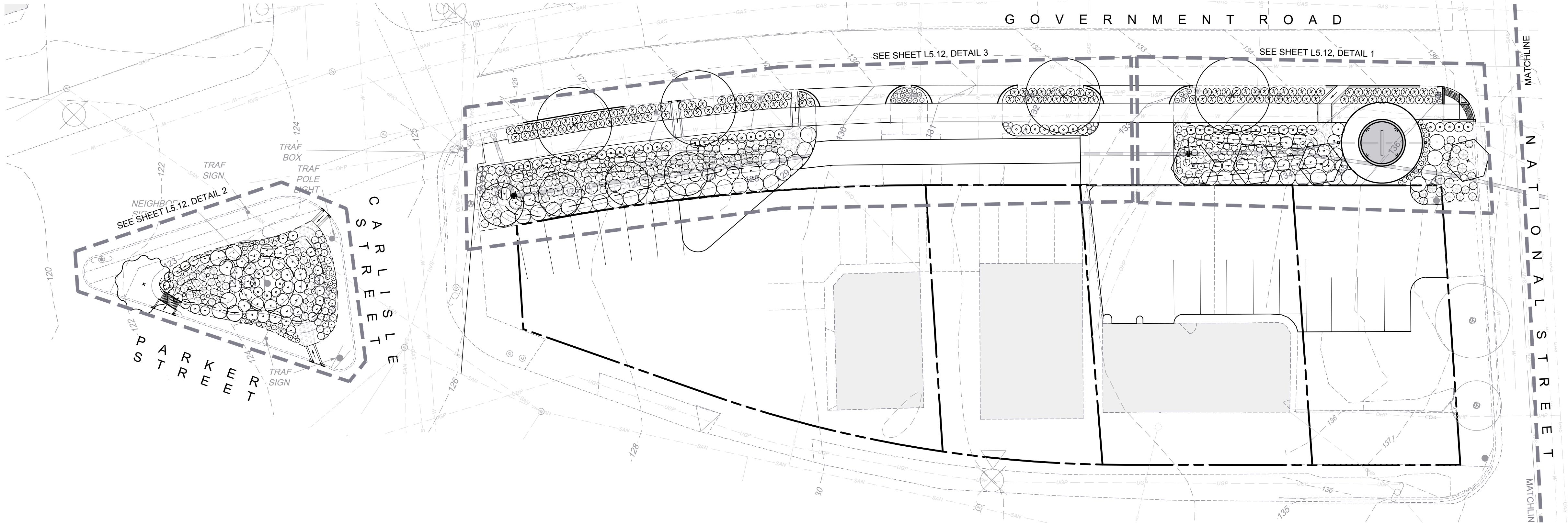
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ILLUSTRATIVE SECTIONS

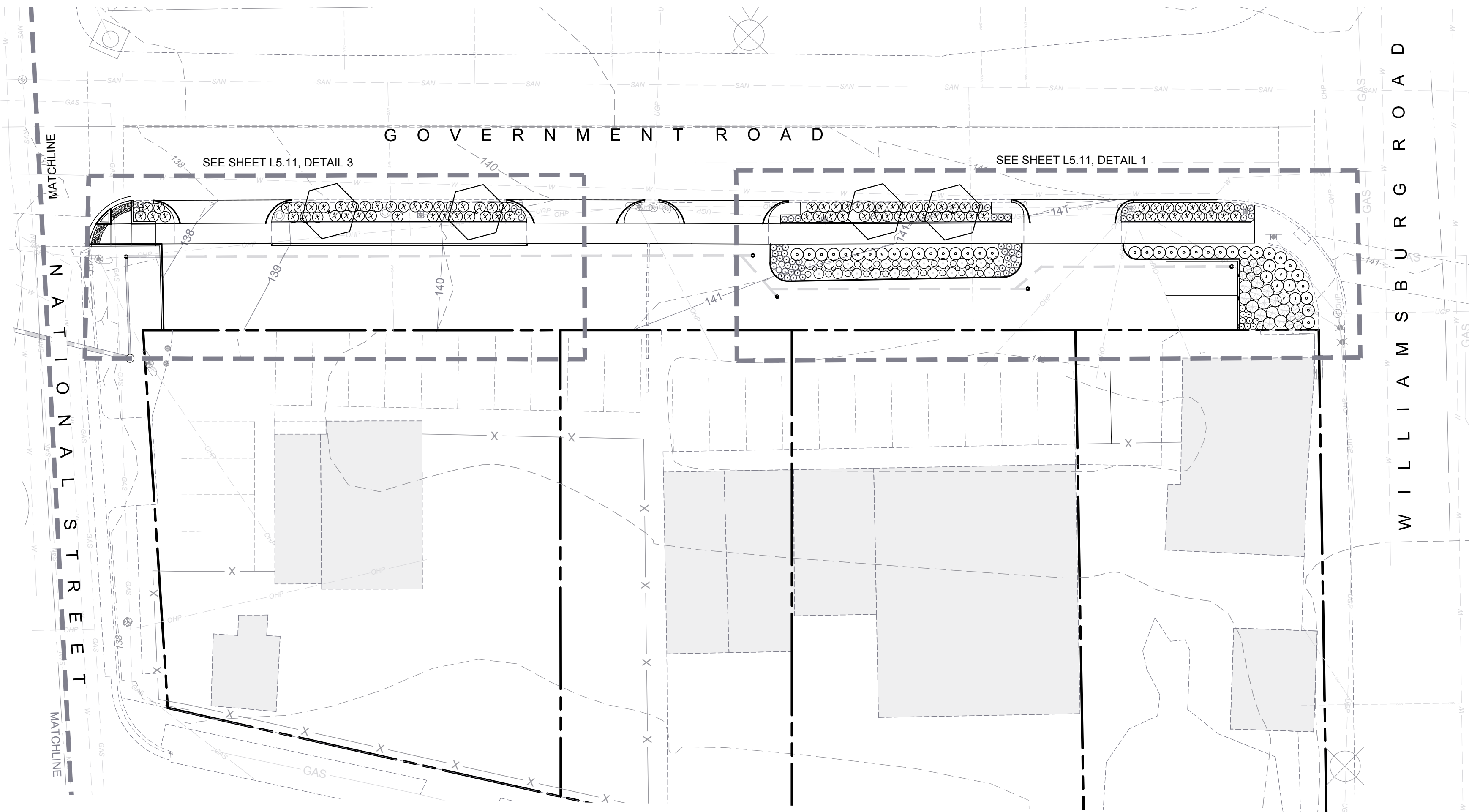
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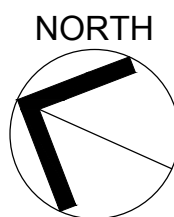
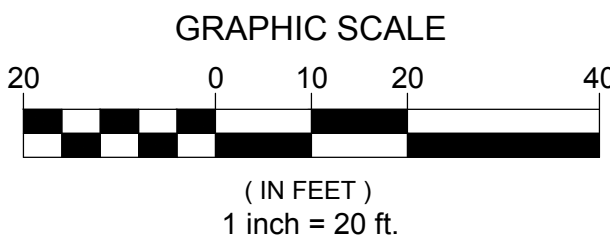
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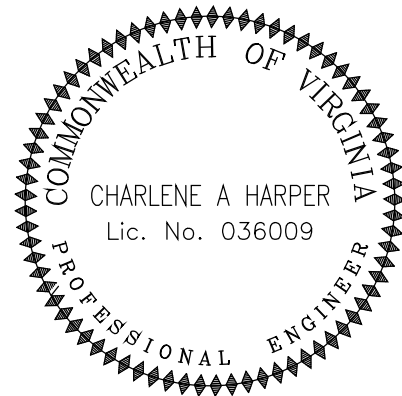
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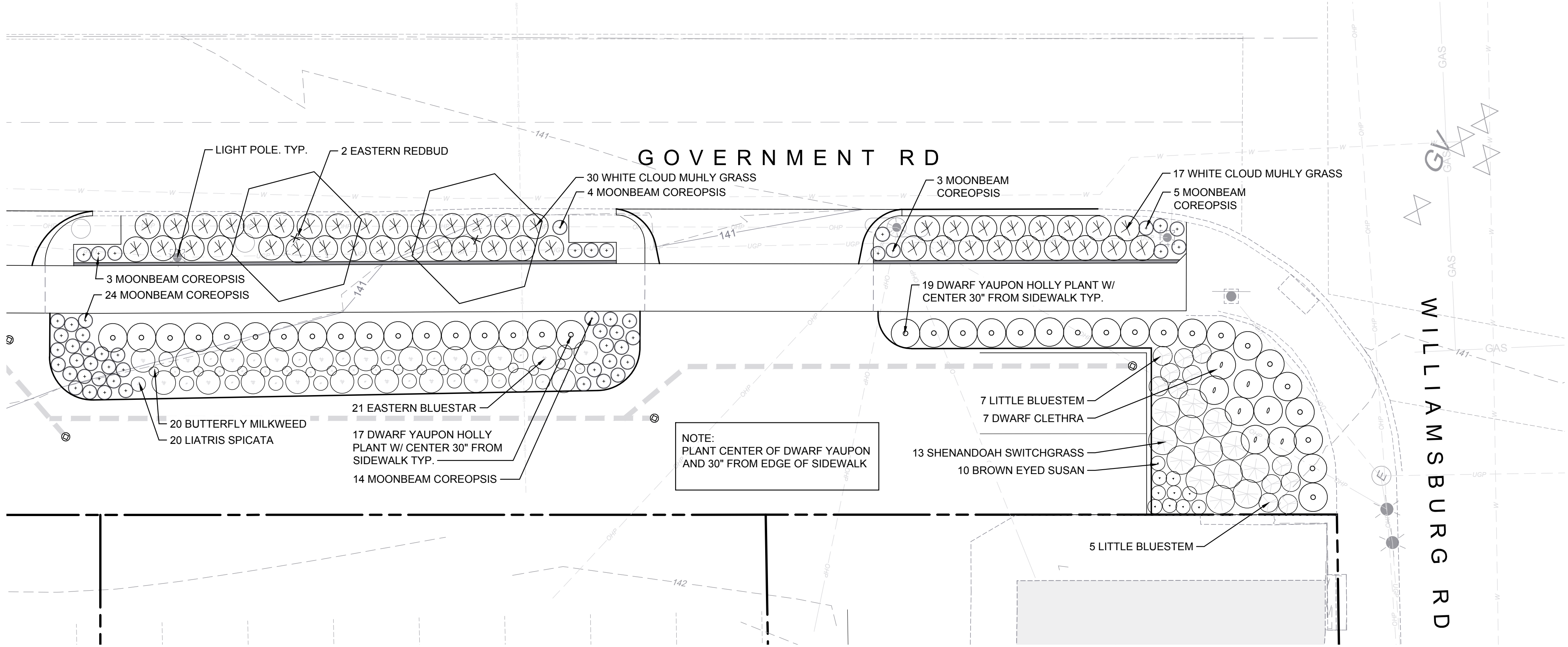
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PLANTING PLAN OVERVIEW

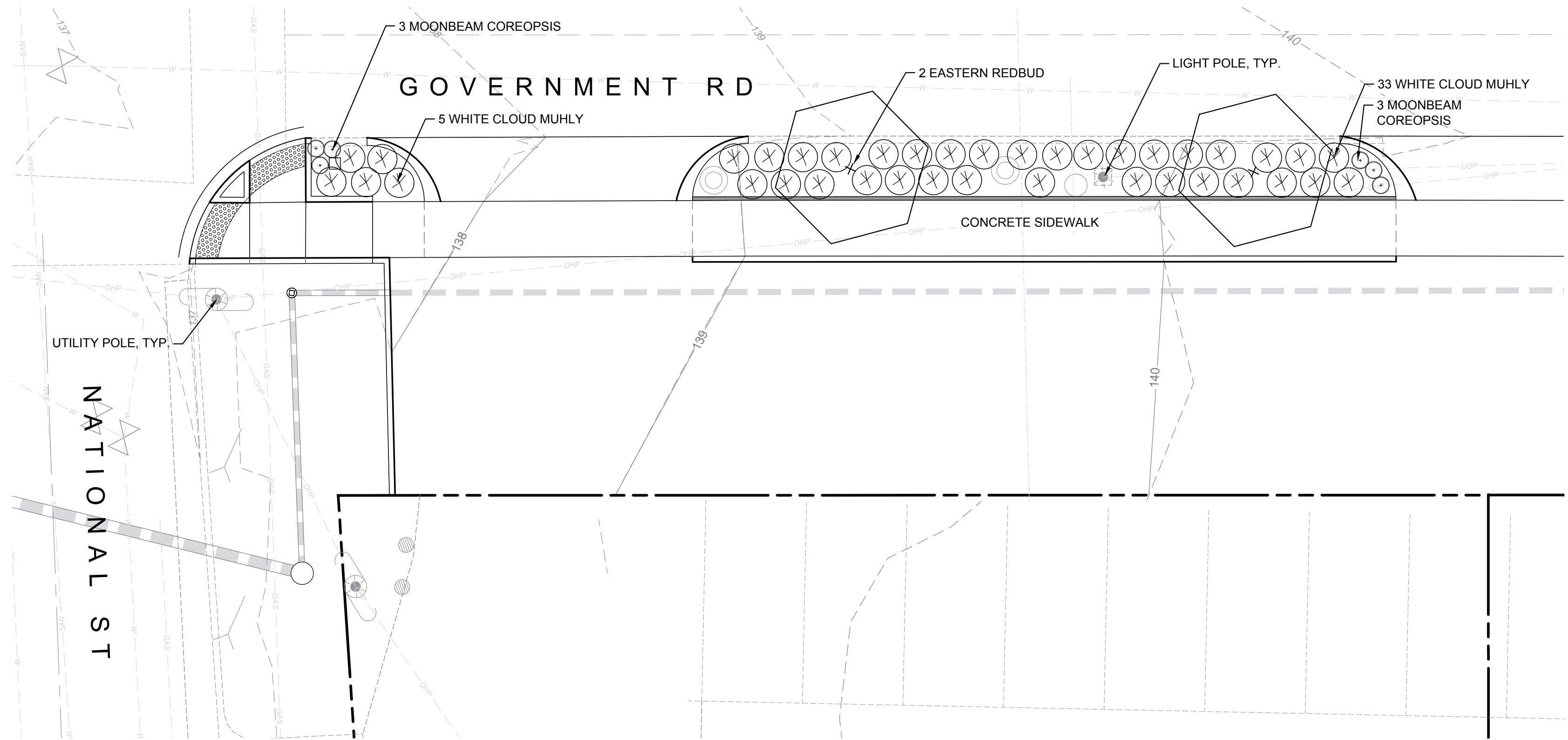
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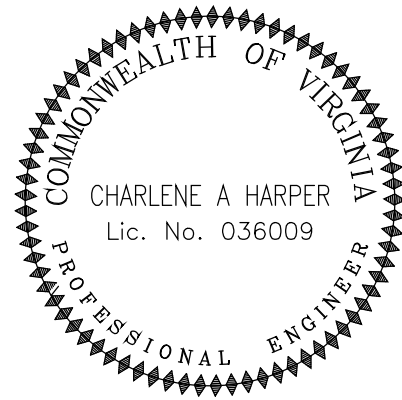
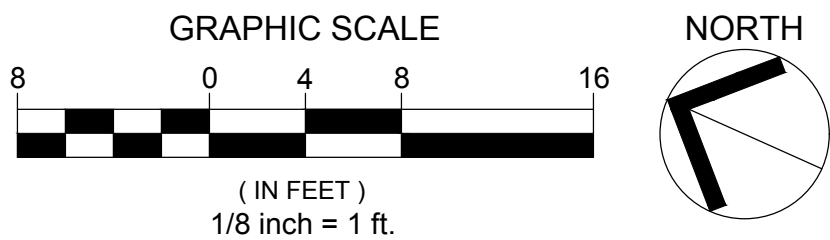
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1
L5.00
PLAN
PLANTING BEDS AT INNOVATE FULTON
SCALE: 1/8" = 1'-0"



2
L5.00
PLAN
TREE LAWN AT RESTAURANT
SCALE: 1/8" = 1'-0"



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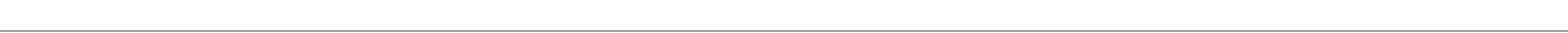
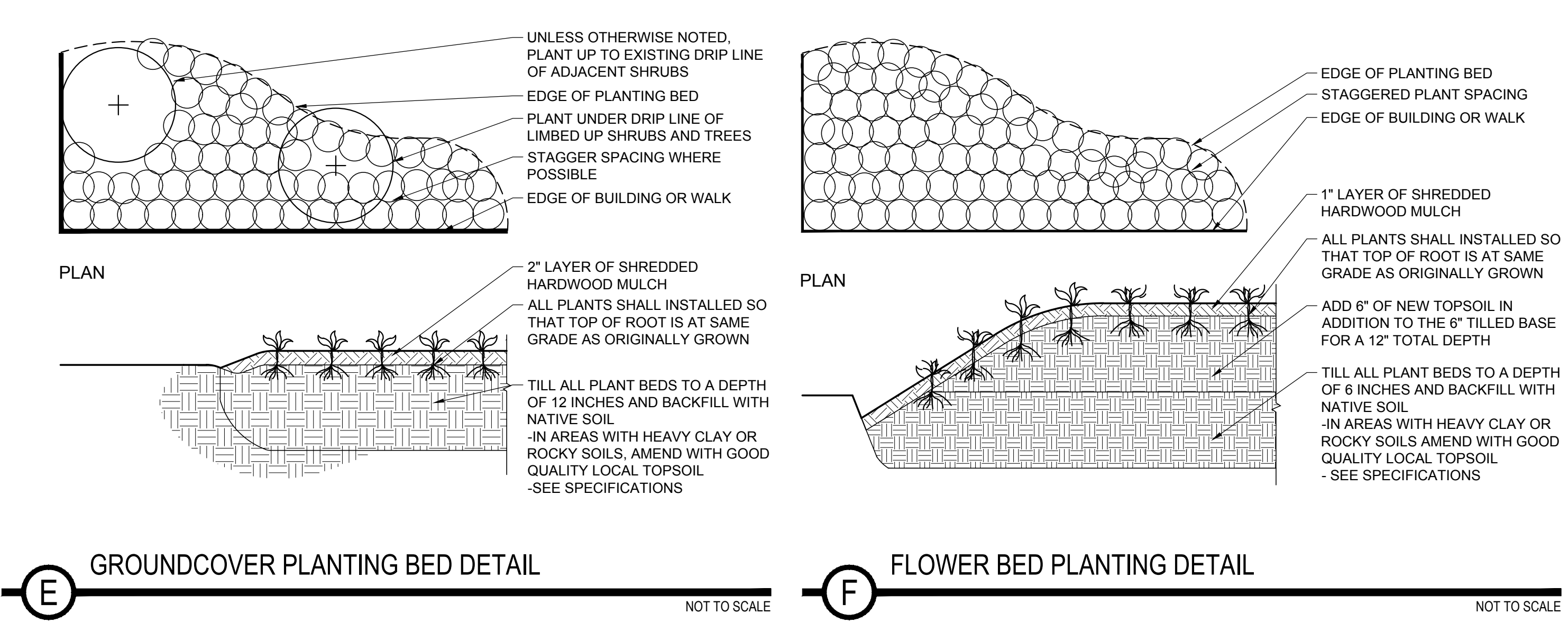
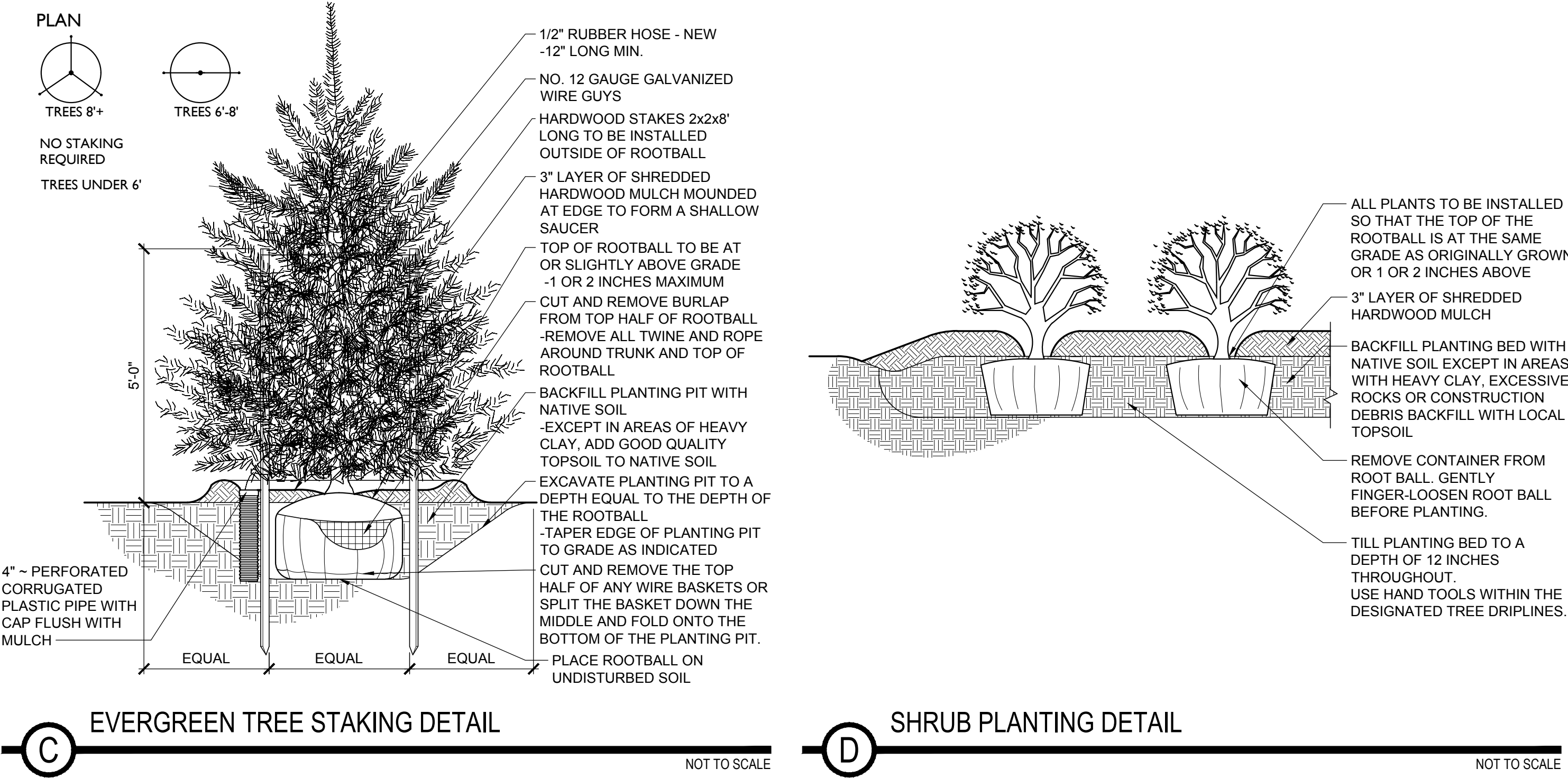
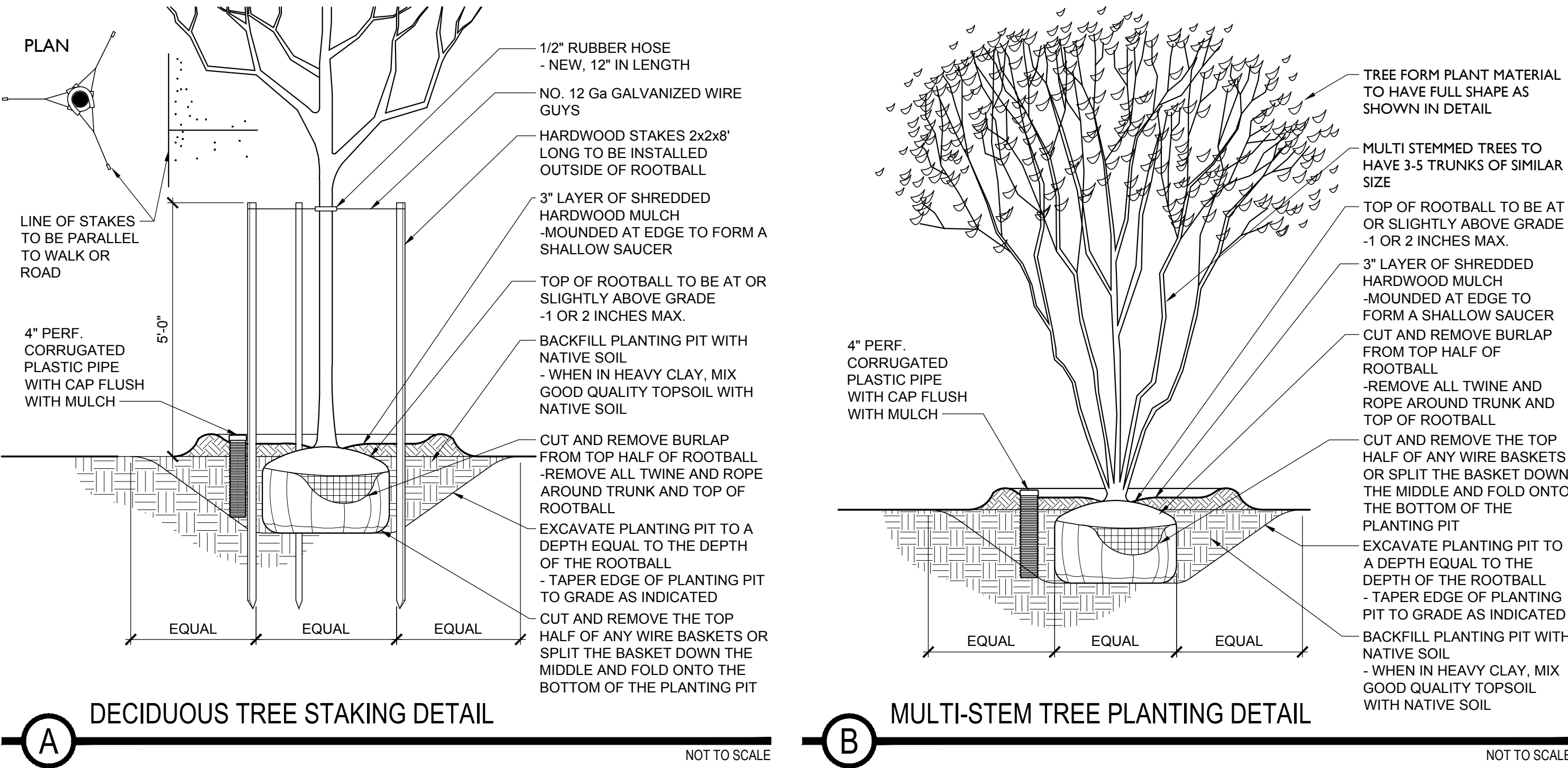
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PLANTING ENLARGEMENTS

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L5.11

PLANTING DETAILS



PLANT MATERIAL SCHEDULE

QUANTITY	BOTANICAL NAME	COMMON NAME	SPACING	CALIPER	HEIGHT	ROOT TYPE	DETAIL	REMARKS
TREES								
5	CERCIS CANADENSIS	EASTERN REDBUD	AS SHOWN	8-10'		B&B	A	SPECIMEN QUALITY, MATCHED
3	CHIONANTHUS VIRGINICUS	FRINGETREE	AS SHOWN	6-8'		B&B	B	MATCHED
1	CLADRASTIS KENTUCKEA	YELLOWWOOD	AS SHOWN	2.5"		B&B	A	SPECIMEN QUALITY
4	MAGNOLIA VIRGINIANA	SWEETBAY MAGNOLIA	AS SHOWN	8-10'		B&B	B	MATCHED
4	OSTRYA VIRGINIANA	AMERICAN HOPHORNBEAM	AS SHOWN	2.5"		B&B	A	SPECIMEN QUALITY, MATCHED
SHRUBS								
33	CLETHRA ALNIFOLIA 'HUMMINGBIRD'	HUMMINGBIRD SUMMERSWEET	AS SHOWN		18" MIN.	CONT.	D	
36	ILEX GLABRA 'SHAMROCK'	SHAMROCK INKBERRY	AS SHOWN		24" MIN.	CONT.	D	
1	ILEX VERTICILLATA 'JIM DANDY'	JIM DANDY WINTERBERRY (MALE)	AS SHOWN		24" MIN.	CONT.	D	
9	ILEX VERTICILLATA 'RED SPRITE'	RED SPRITE WINTERBERRY	AS SHOWN		24" MIN.	CONT.	D	
100	ILEX VOMITORIA 'BORDEAUX'	DWARF YAUPON HOLLY	AS SHOWN		18" MIN.	CONT.	D	
57	ITEA VIRGINICA 'LITTLE HENRY'	LITTLE HENRY SWEETSPIRE	AS SHOWN		24" MIN.	CONT.	D	
3	LINDERA BENZOIN	NORTHERN SPICEBUSH	AS SHOWN		24" MIN.	CONT.	D	
6	RHODODENDRON VISCOSUM	SWAMP AZALEA	AS SHOWN		21" MIN.	CONT.	D	
17	YUCCA FILAMENTOSA 'COLOR GUARD'	COLOR GUARD YUCCA	AS SHOWN		18" MIN.	CONT.	D	
PERENNIALS, GROUNDCOVER, AND ORNAMENTAL GRASSES								
48	AMSONIA TABERNAEMONTANA	EASTERN BLUESTAR	AS SHOWN			1 GAL.	E	
11	ASCLEPIAS INCARNATA	SWAMP MILKWEED	AS SHOWN			1 GAL.	E	
20	ASCLEPIAS TUBEROSA	BUTTERFLY MILKWEED	AS SHOWN			1 GAL.	E	
81	COREOPSIS 'MOONBEAM'	MOONBEAM COREOPSIS	AS SHOWN			1 GAL.	E	
37	ECHINACEA PURPUREA 'POWWOW WILDBERRY'	POWWOW WILDBERRY	AS SHOWN			1 GAL.	E	
10	ERYNGIUM YUCCIFOLIUM	RATTLESNAKE MASTER	AS SHOWN			1 GAL.	E	
65	IRIS VERSICOLOR	BLUE FLAG IRIS	AS SHOWN			1 GAL.	E	
27	JUNCUS EFFUSUS	SOFT RUSH	AS SHOWN			1 GAL.	E	
57	LIATRIS SPICATA	BLAZING STAR	AS SHOWN			1 GAL.	E	
11	LOBELIA CARDINALIS	CARDINAL FLOWER	AS SHOWN			1 GAL.	E	
209	MUHLENBERGIA CAPILLARIS 'WHITE CLOUD'	WHITE CLOUD MUHLY GRASS	AS SHOWN			1 GAL.	E	
24	PANICUM VIRGATUM 'SHENANDOAH'	SHENANDOAH SWITCHGRASS	AS SHOWN			3 GAL.	E	
15	PHLOX SUBULATA	CREEPING PHLOX	AS SHOWN			1 GAL.	E	
40	PHYSOSTEGIA VIRGINIANA	FALL OBEDIENT PLANT	AS SHOWN			1 GAL.	E	
66	RUDBECKIA TRILOBA	BROWN EYED SUSAN	AS SHOWN			1 GAL.	E	
12	SCHIZACHYRIUM SCOPARIUM 'THE BLUES'	LITTLE BLUESTEM	AS SHOWN			1 GAL.	E	

PLANTING NOTES:

- CONTRACTOR SHALL VERIFY PLANT MATERIAL QUANTITIES SHOWN ON PLAN WITH TOTALS IN PLANTING SCHEDULE. NOTIFY LANDSCAPE ARCHITECT OF ANY DISCREPANCIES PRIOR TO FINAL BIDDING. UNIT PRICES SHALL BE SUBMITTED AS PART OF FINAL BID.
- ALL PLANT MATERIALS SHALL BE GUARANTEED FOR ONE FULL YEAR TO BE IN A HEALTHY GROWING CONDITION. PLANT MATERIALS WHICH DO NOT FULFILL THIS GUARANTEE SHALL BE REPLACED AT NO COST TO THE OWNER. REPLACEMENT SHALL BE GUARANTEED THROUGHOUT THE ORIGINAL GUARANTEE PERIOD. PLANTS THAT DIE SHALL BE REPLACED IMMEDIATELY.
- CONTRACTOR IS RESPONSIBLE FOR WATERING ALL PLANT MATERIAL DURING INSTALLATION AND UNTIL FINAL INSPECTION AND ACCEPTANCE BY OWNER. AN IRRIGATION SYSTEM IS NOT PROPOSED WITH THIS PROJECT.
- CONTRACTOR RESPONSIBLE FOR CONTACTING MISS UTILITY PRIOR TO BEGINNING OF CONSTRUCTION FOR LOCATION OF ALL UTILITY LINES. TREES SHALL BE LOCATED A MINIMUM OF 5 FEET FROM SEWER/WATER CONNECTIONS. NOTIFY LANDSCAPE ARCHITECT IF ANY CONFLICTS OCCUR.
- THE LANDSCAPE ARCHITECT IS THE OWNERS REPRESENTATIVE AND SHALL BE THE APPROVING AUTHORITY FOR INFORMATION PROVIDED IN THESE PLANS AND SPECIFICATIONS.
- ALL PLANT MATERIALS, TOPSOIL, MULCH, FERTILIZERS, SOIL AMENITIES, PLANTING SUPPLIES AND METHODS SHALL BE SUBJECT TO LANDSCAPE ARCHITECTS APPROVAL. REJECTED MATERIALS SHALL BE REMOVED FROM THE SITE WITHOUT DELAY.
- ALL PLANT MATERIALS AND PLANTING METHODS SHALL CONFORM TO A.A.N. STANDARDS.
- CONTRACTOR SHALL LAYOUT AND MARK LOCATION FOR ALL PLANT MATERIAL, PLANTING, AND IMPROVEMENTS SHOWN AND REQUEST IN FIELD APPROVAL FROM LANDSCAPE ARCHITECT.
- BEDS TO CONTAIN SHRUBS OR GROUND COVER SHALL BE TILLED TO A DEPTH OF 6" AND THE SOIL CONDITIONED BY ADDING CLEAN, WELL ROTTED MANURE. IF EXISTING SOIL IS CONSIDERED TO BE UNUSABLE BY OWNER, BEDS SHALL BE TREATED TO ELIMINATE WEEDS AND WEED SEEDS.
- ALL PLANTING BED AREAS SHALL BE COVERED WITH A 3" MINIMUM LAYER OF MEDIUM TEXTURE SHREDDED HARDWOOD MULCH UNLESS OTHERWISE NOTED.
- ALL SUBSTITUTIONS OF PLANT MATERIAL SHALL BE REQUESTED IN WRITING TO THE LANDSCAPE ARCHITECT AND APPROVED IN WRITING BY THE OWNER.
- ALL PLANTING OPERATIONS SHALL BE UNDER THE SUPERVISION OF AN EXPERIENCED PLANTSMAN.
- LANDSCAPE ARCHITECT RESERVES THE RIGHT TO SELECT PLANT MATERIALS IN THE NURSERY.
- FOR TREES BALLED IN WIRE BASKETS, CUT AND REMOVE TOP AND SIDES OF BASKET AFTER INSTALLATION.
- LANDSCAPE ARCHITECT RESERVES THE RIGHT TO REJECT ANY PLANTS AND MATERIALS THAT ARE IN AN UNHEALTHY OR UNSIGHTLY CONDITION, AS WELL AS PLANTS AND MATERIALS THAT DO NOT CONFORM TO A.A.N. STANDARDS. SEE AMERICAN STANDARD FOR NURSERY STOCK, ANSI Z60.1-(CURRENT EDITION).
- SOIL SHALL BE FREE OF ALL WEEDS.
- PLANT SIZES, QUANTITIES, AND SPECIES WILL BE CHECKED BY COUNTY INSPECTION FOR COMPLIANCE WITH PLANT SCHEDULE AS APPROVED BY THE COUNTY. CONTRACTOR SHALL BE HELD RESPONSIBLE FOR DELAY IN ISSUANCE OF CERTIFICATE OF OCCUPANCY BY THE COUNTY RESULTING FROM UNATHORIZED SUBSTITUTIONS OR DOWNSIZING.
- UPON COMPLETION OF LANDSCAPE INSTALLATION, THE LANDSCAPE CONTRACTOR SHALL NOTIFY THE GENERAL CONTRACTOR WHO WILL VERIFY COMPLETENESS, INCLUDING THE REPLACEMENT OF ALL DEAD PLANT MATERIAL, AND SCHEDULE A FINAL INSPECTION FOR ACCEPTANCE BY OWNER.
- THE ONE YEAR GUARANTEE PERIOD SHALL BEGIN UPON THE OWNER'S APPROVAL AND ACCEPTANCE OF THE PLANTING INSTALLATION. THE OWNER SHALL ASSUME RESPONSIBILITY FOR MAINTENANCE INCLUDING WATERING, WEEDING, PEST CONTROL, AND FERTILIZATION.
- CONTRACTOR SHALL REMOVE STAKING FROM TREES AT THE END OF THE ONE YEAR WARRANTY PERIOD.



115 South 15th Street
Suite 200
Richmond, VA 23219
804.343.7100



FULTON HILL -
GREEN STREET

GOVERNMENT ROAD, RICHMOND, VA

REVISIONS:

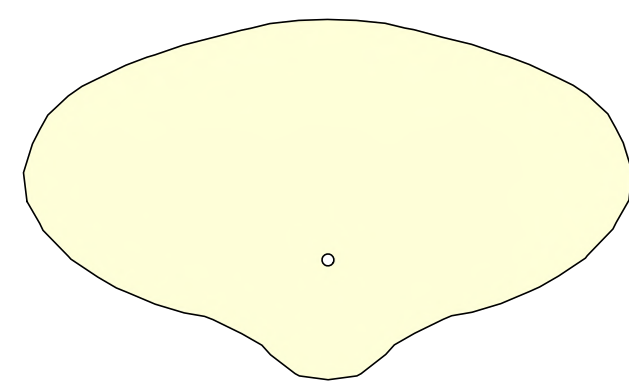
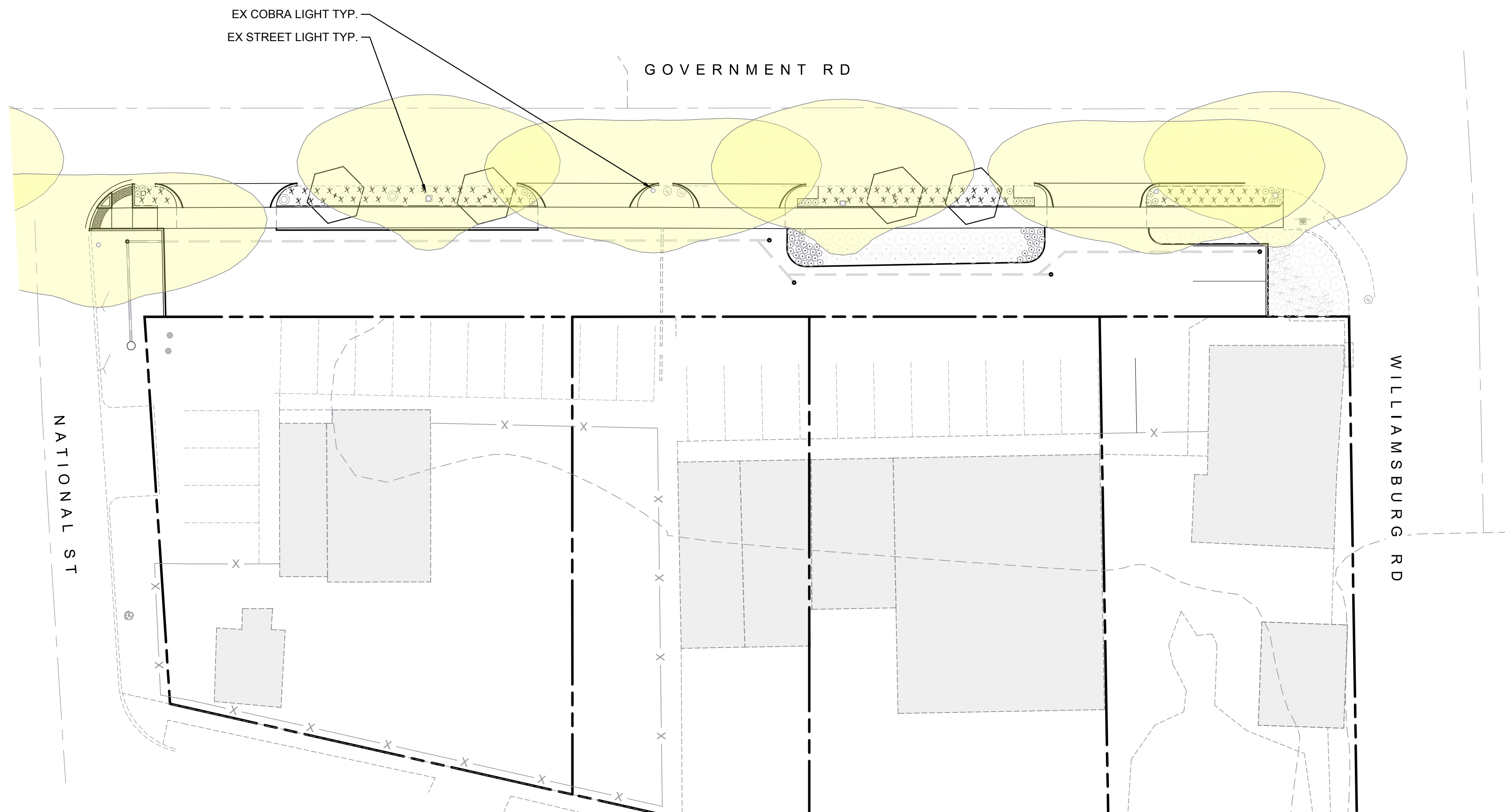
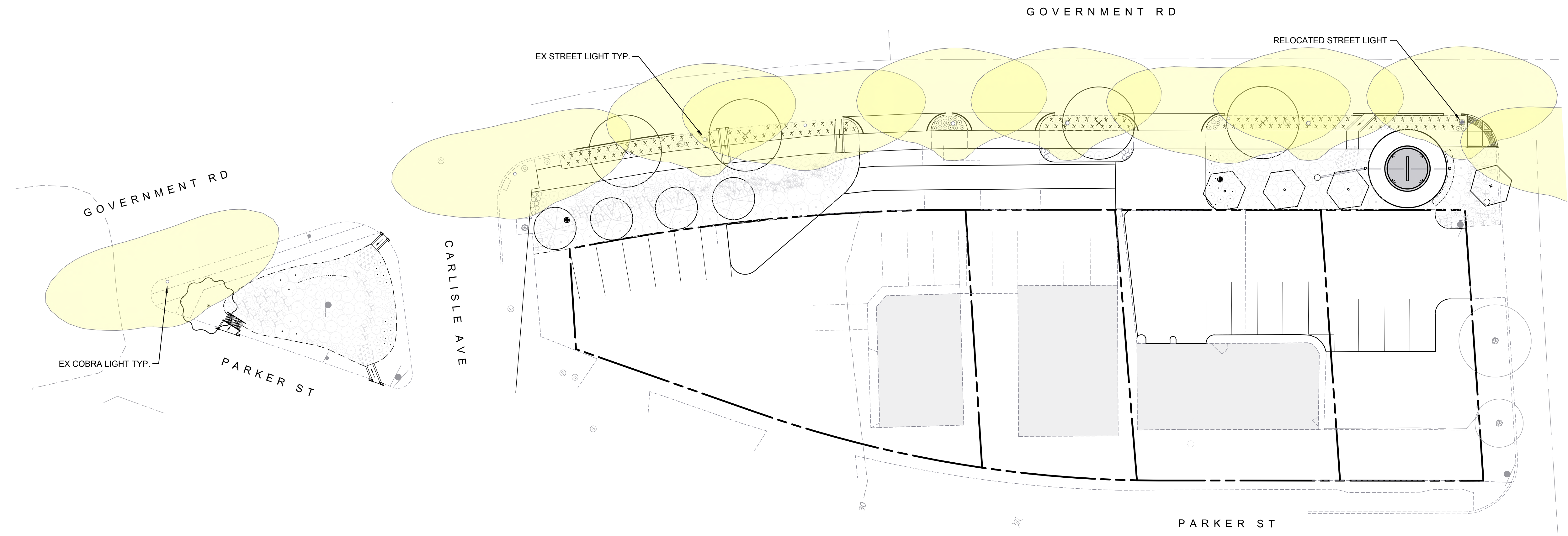
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PLANTING NOTES,
DETAILS, AND
SCHEDULE

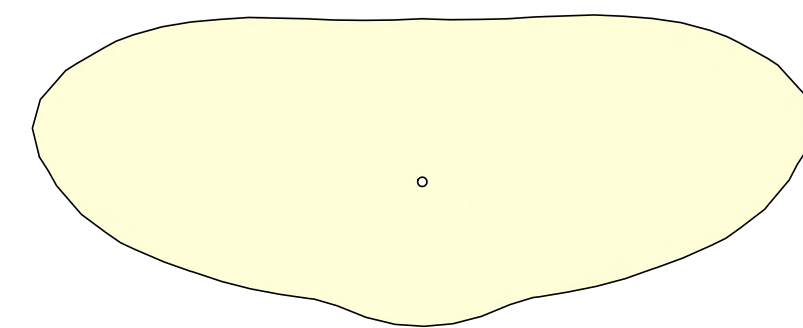
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Drawn By:	DSN
Checked By:	CAH
QA/QC By:	ELG
Date:	FEBRUARY 17, 2023
Project Number:	36285.00
Sheet Number:	

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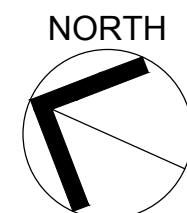
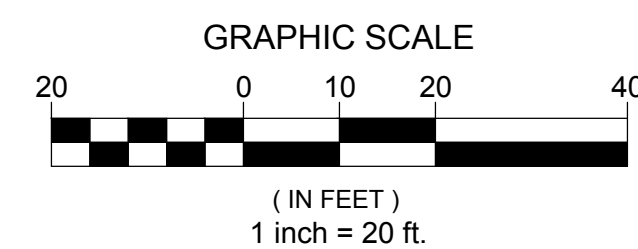
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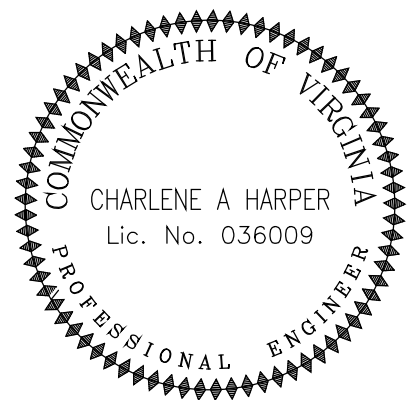
EXISTING 12' STREET LIGHT - 1 FC



EXISTING TALL COBRA LIGHT - 1 FC



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FULTON HILL - GREEN STREET

GOVERNMENT ROAD, RICHMOND, VA

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LIGHTING EXHIBIT

Designed By:	CAH
Drawn By:	DSN
Checked By:	CAH
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Date:	FEBRUARY 17, 2023
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