

# 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

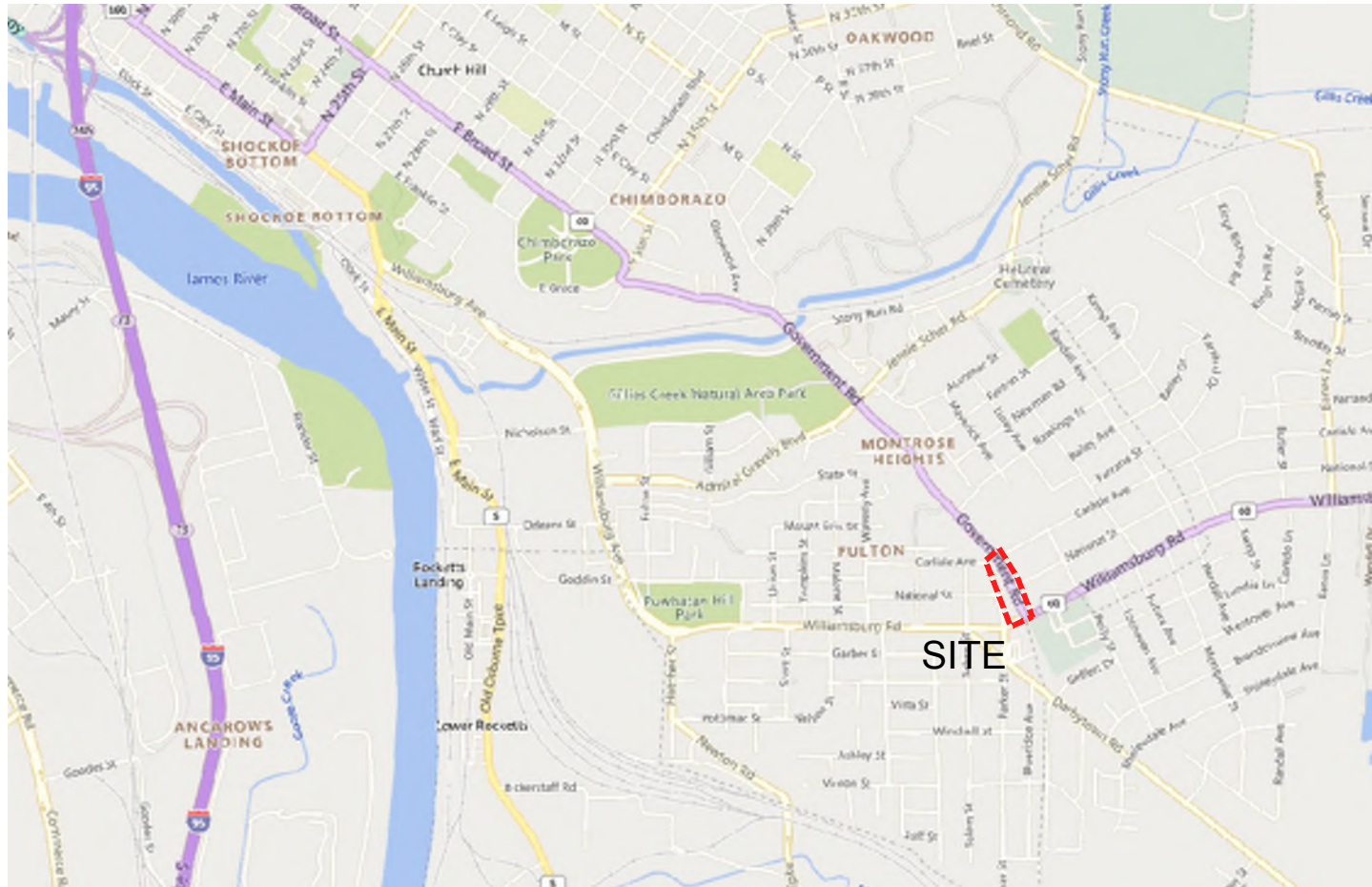
## Permits Required:

- 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'

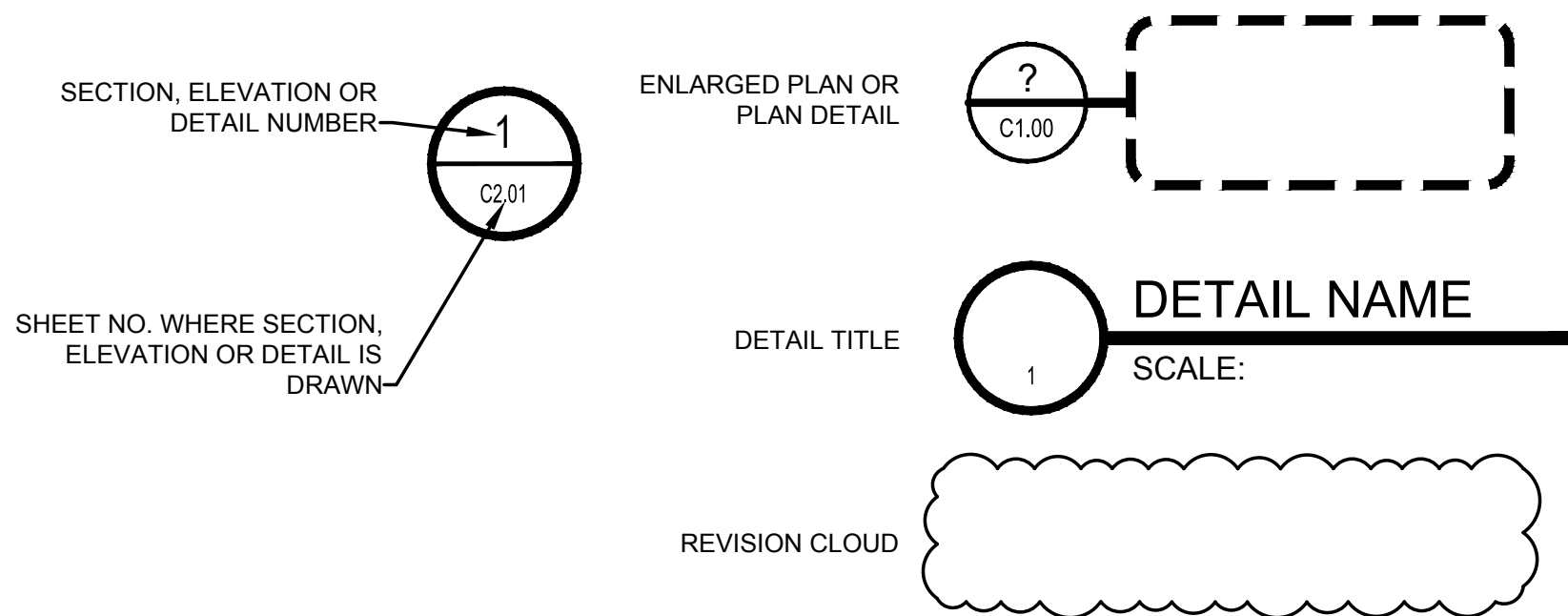
## SHEET INDEX

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C2.00	EROSION & SEDIMENT CONTROL PLAN PH1
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L5.12	PLANTING ENLARGMENTS
L5.20	PLANTING DETAILS & SCHEDULE

## 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

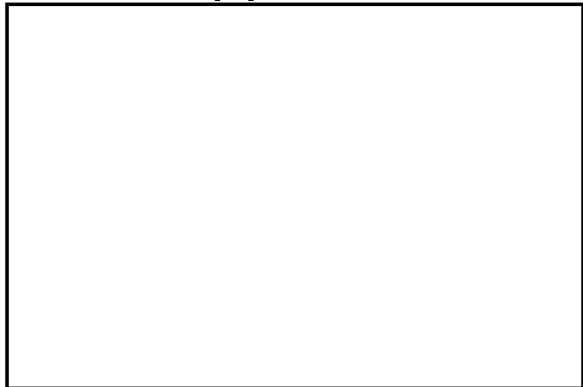
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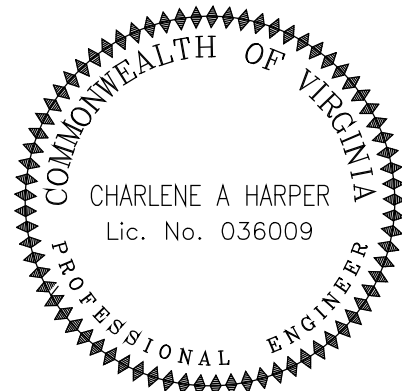
## General Notes:

- 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

## REVISIONS:


No.	Description	Date
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## COVER SHEET

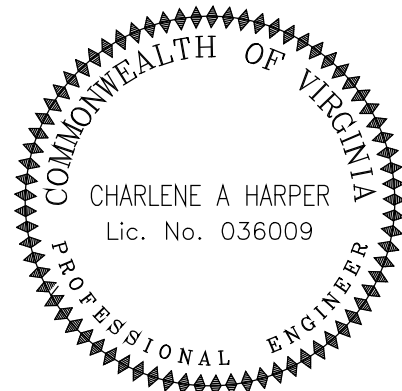
Designed By:	CAH
Drawn By:	DSN
Checked By:	CAH
QA/QC By:	ELG
Date:	FEBRUARY 17, 2023
Project Number:	36285.00
Sheet Number:	

C0.00





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804.343.7100



## FULTON HILL - GREEN STREET

GOVERNMENT ROAD, RICHMOND, VA

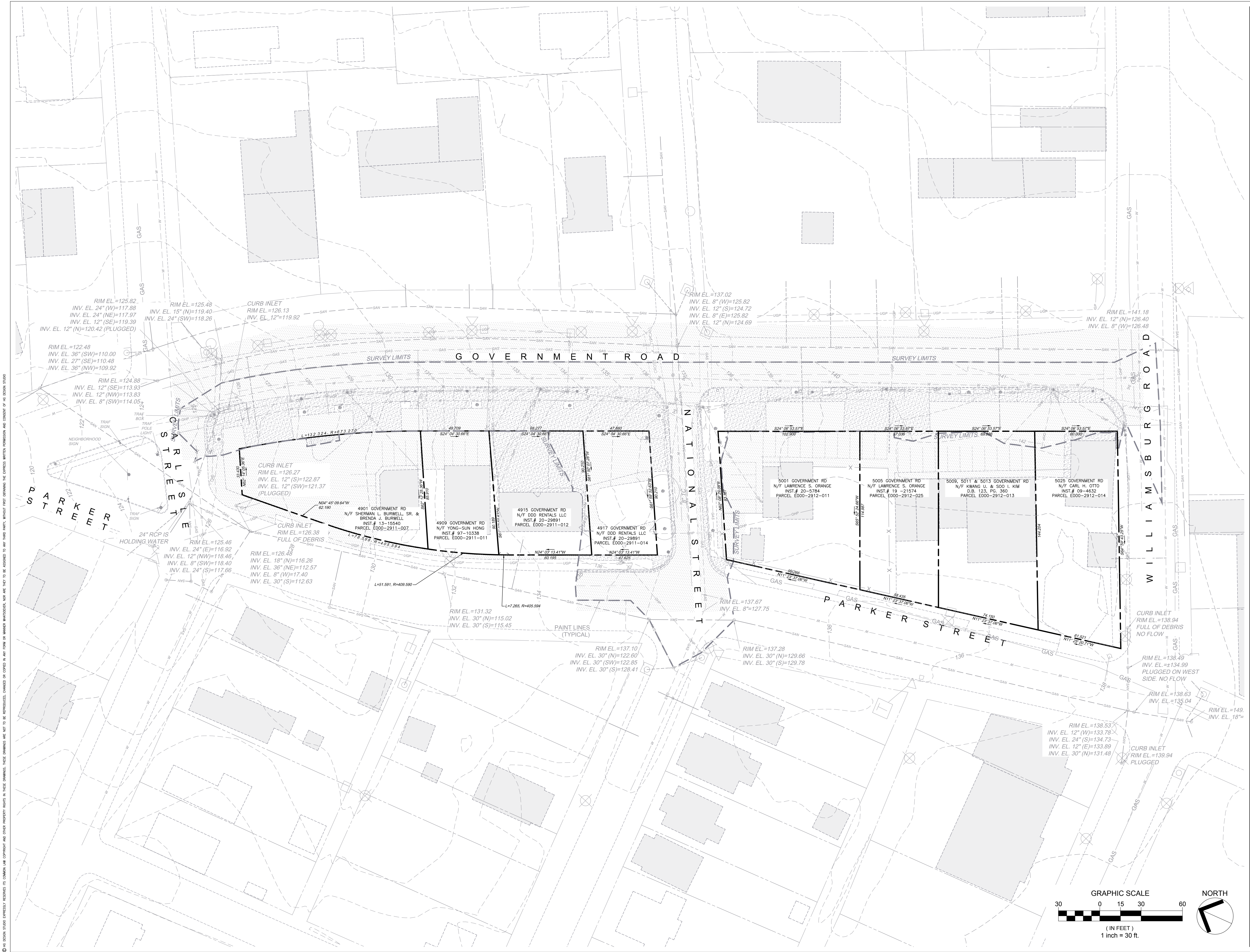
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### COMPILED EXISTING CONDITIONS

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Drawn By:	DSN
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QA/QC By:	ELG
Date:	FEBRUARY 17, 2023
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# C1.02







115 South 15th Street  
Suite 200  
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4900 BLOCK

## FULTON HILL - GREEN STREET

GOVERNMENT ROAD, RICHMOND, VA

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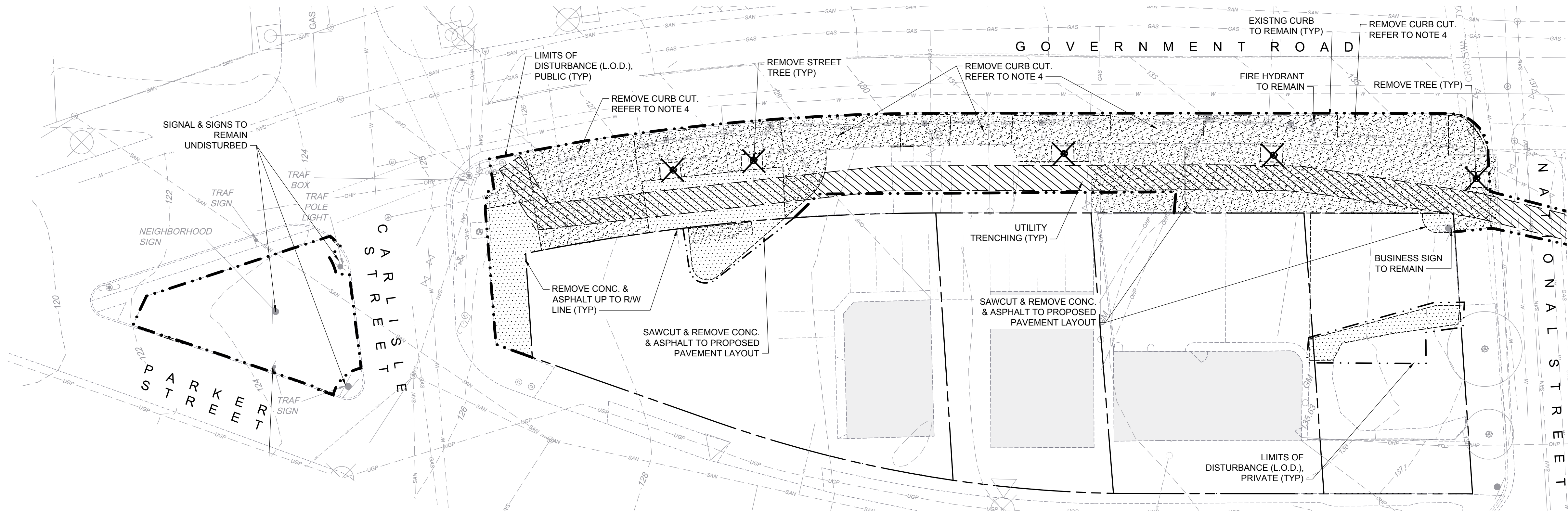
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### DEMOLITION PLAN

5000 BLOCK

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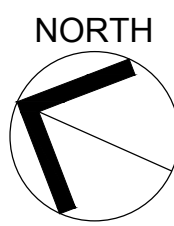
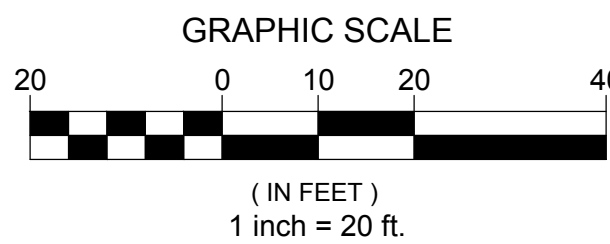
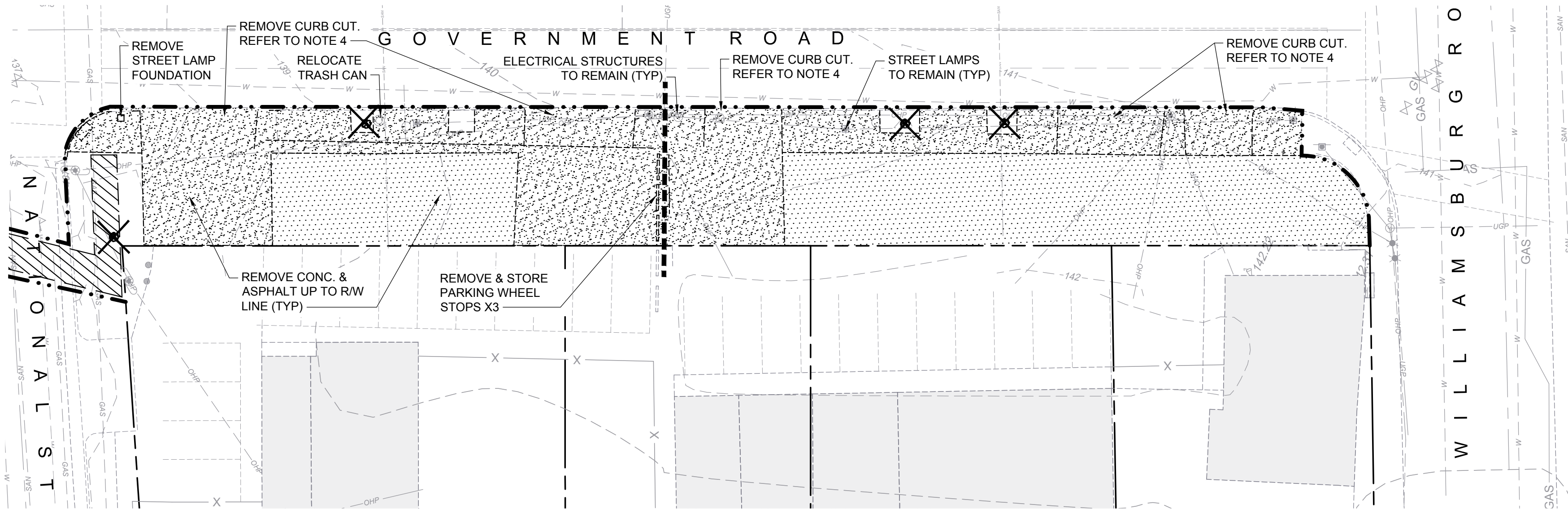
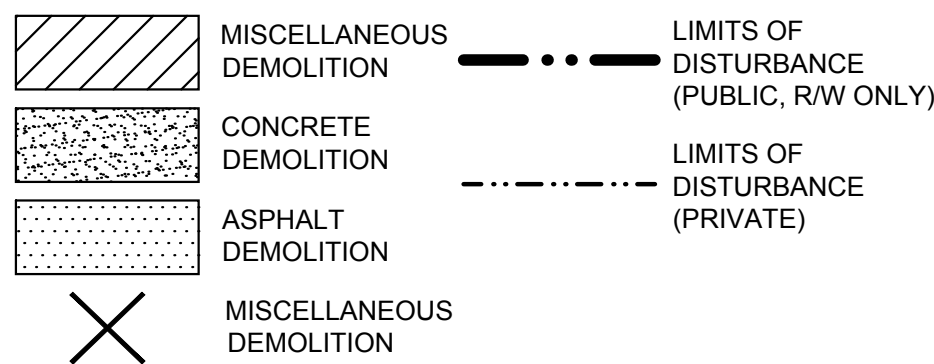
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#### DEMOLITION NOTES

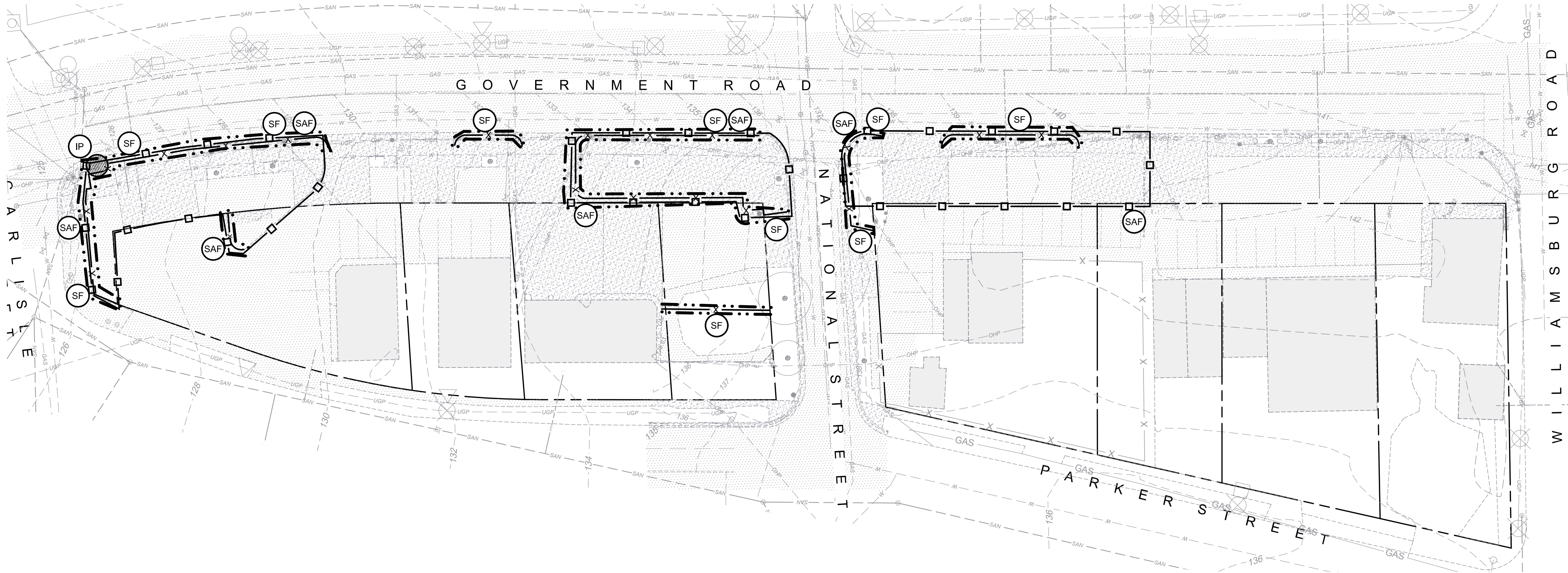
1. REFER TO EROSION AND SEDIMENT CONTROL PLANS FOR SEQUENCE OF CONSTRUCTION.
2. DEMOLITION CANNOT COMMENCE UNTIL ALL PRELIMINARY E&S MEASURES ARE IN PLACE, AND APPROVED BY THE ENVIRONMENTAL INSPECTOR.
3. ITEMS INDICATED ON THE PLAN REPRESENT GENERAL EXTENT OF DEMOLITION. DEMOLISH ALL ELEMENTS WITHIN 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:

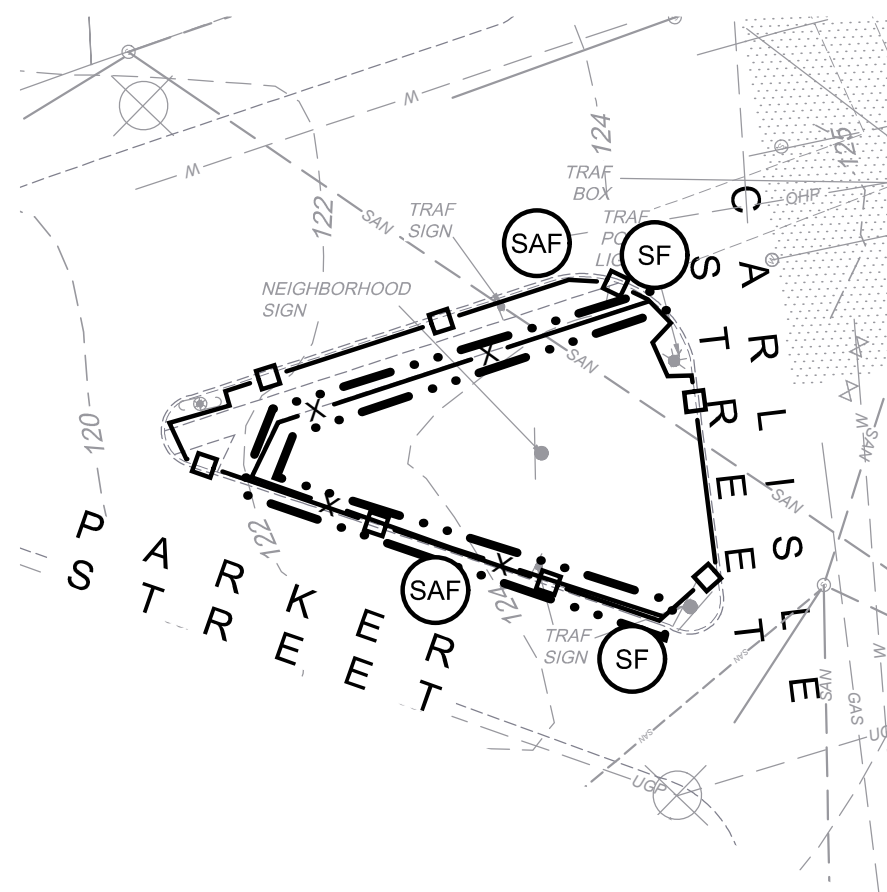




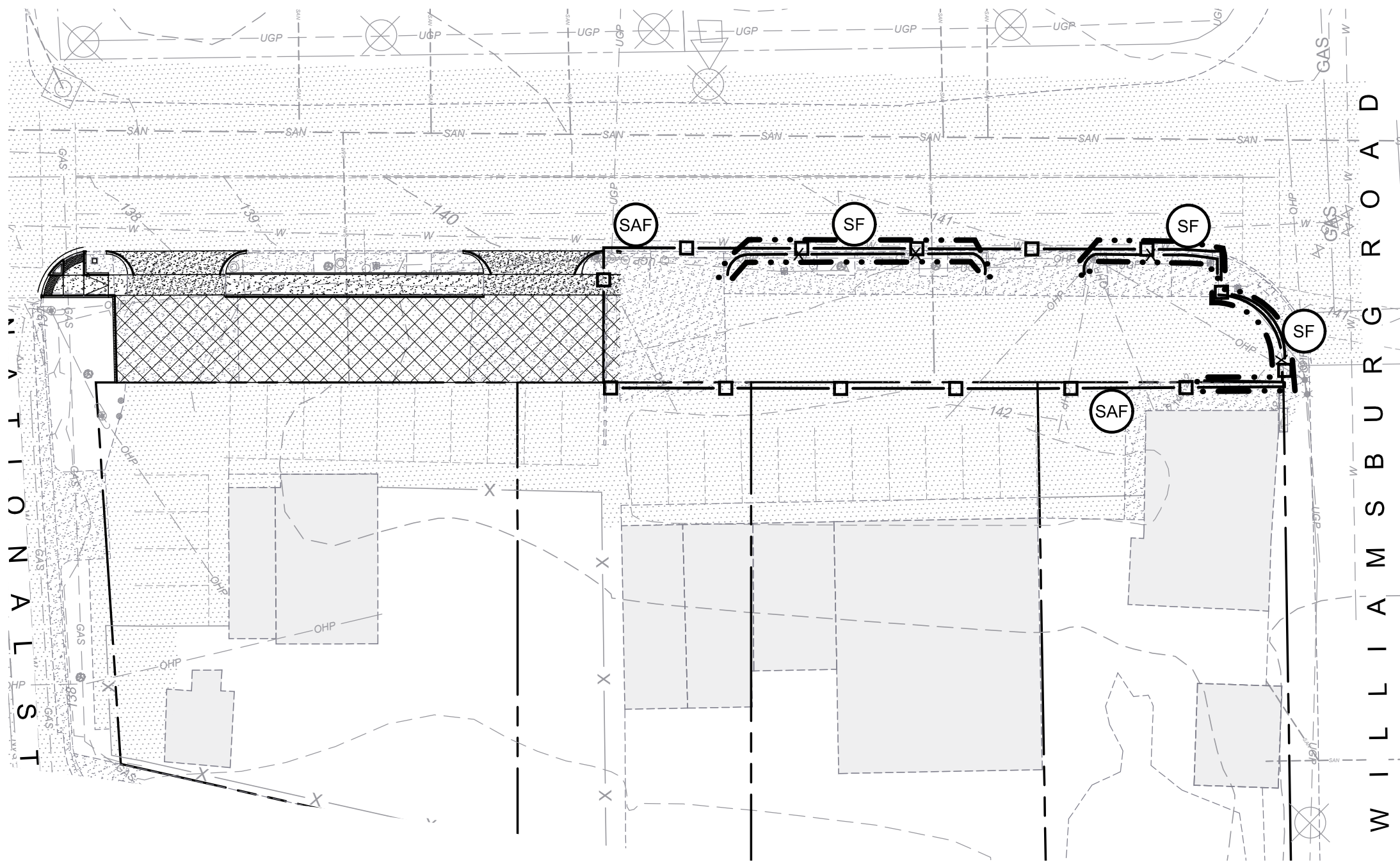
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PHASE 1A



PHASE 1A



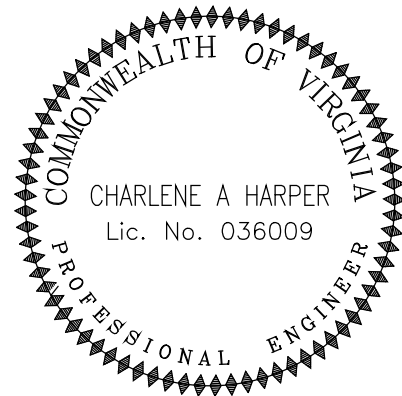
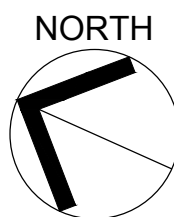
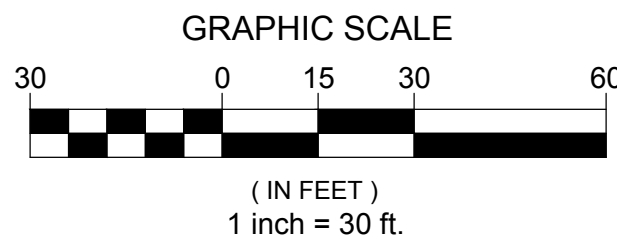
PHASE 1B

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:


No.	Description	Date
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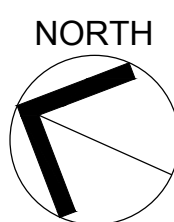
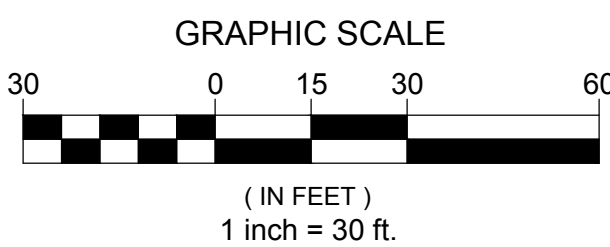
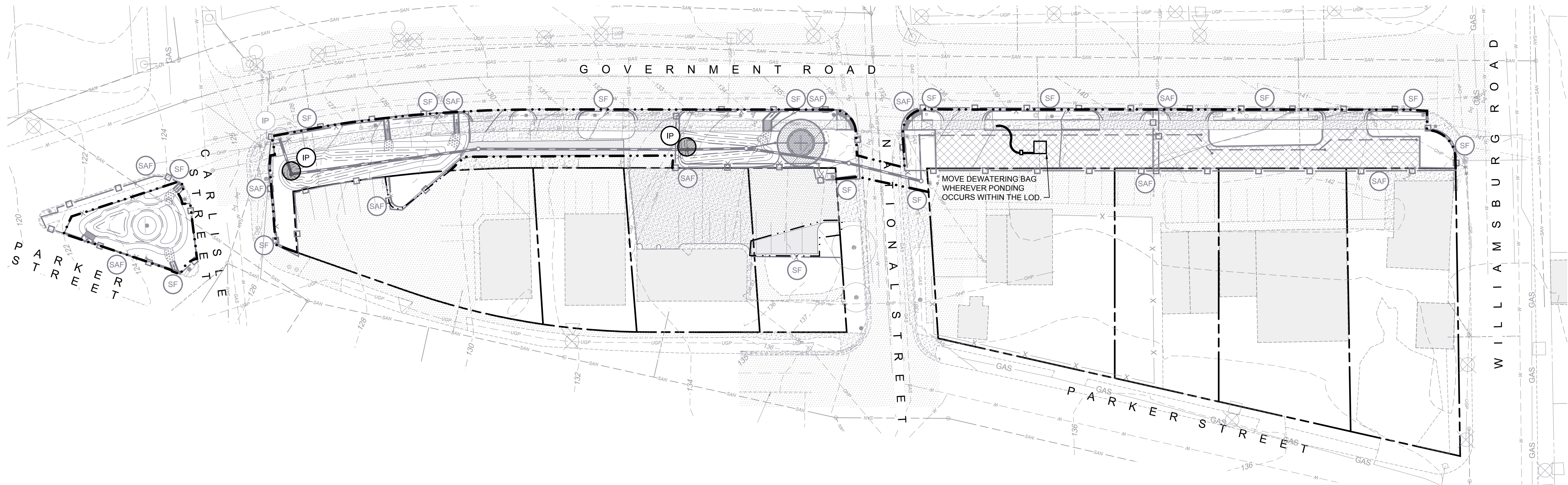
EROSION & SEDIMENT  
CONTROL PLAN PH1

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

**C2.00**








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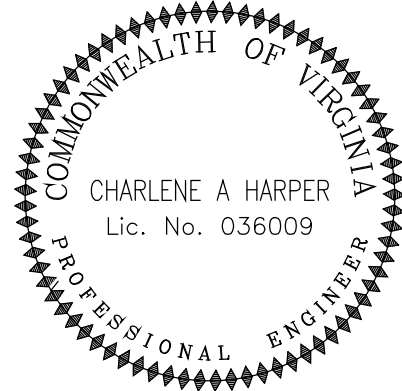


**PHASE 2 SEQUENCE OF CONSTRUCTION:**

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



**FULTON HILL -  
GREEN STREET**

GOVERNMENT ROAD, RICHMOND, VA

**REVISIONS:**


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**EROSION & SEDIMENT  
CONTROL PLAN PH2**

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Date:	FEBRUARY 17, 2023
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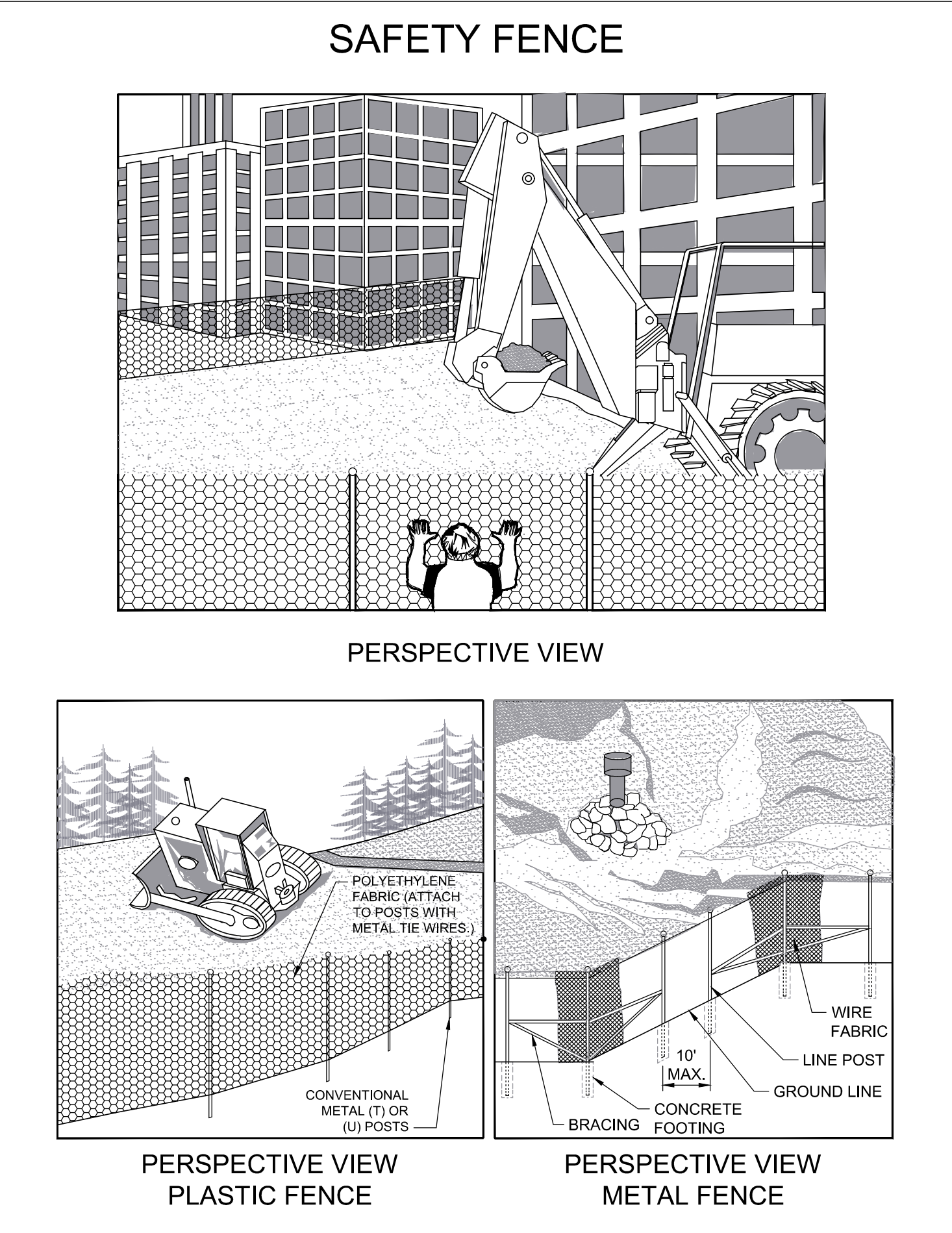
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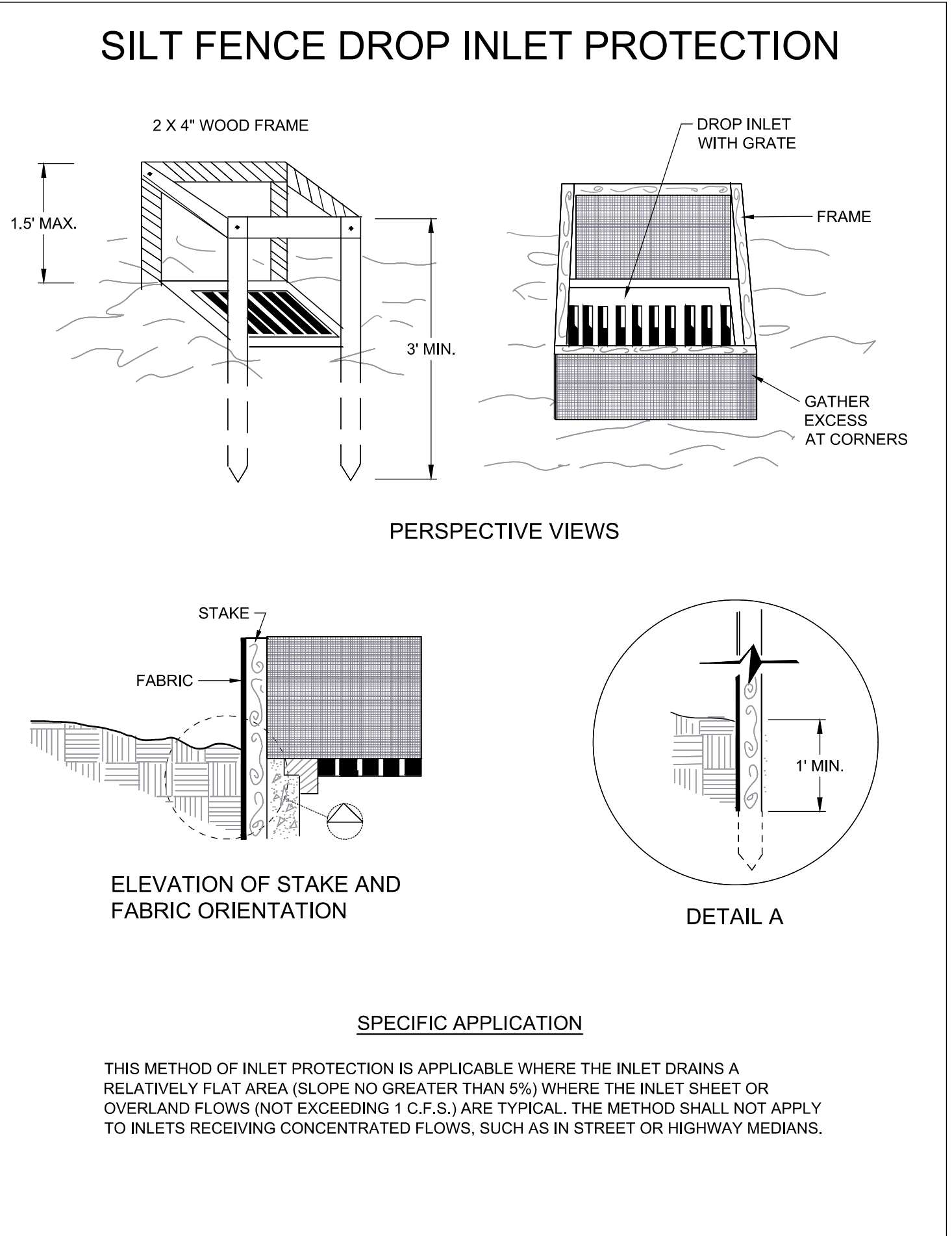




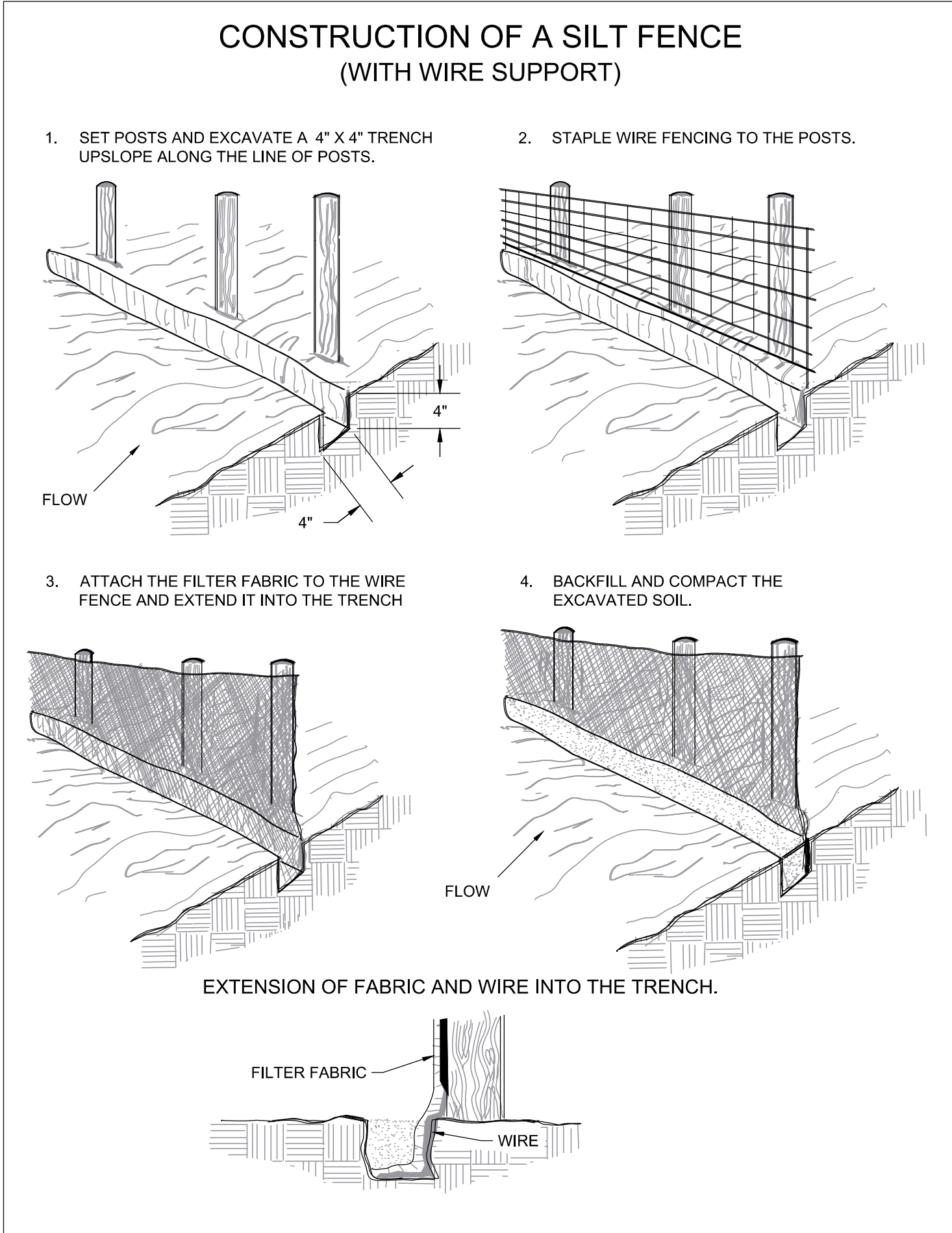
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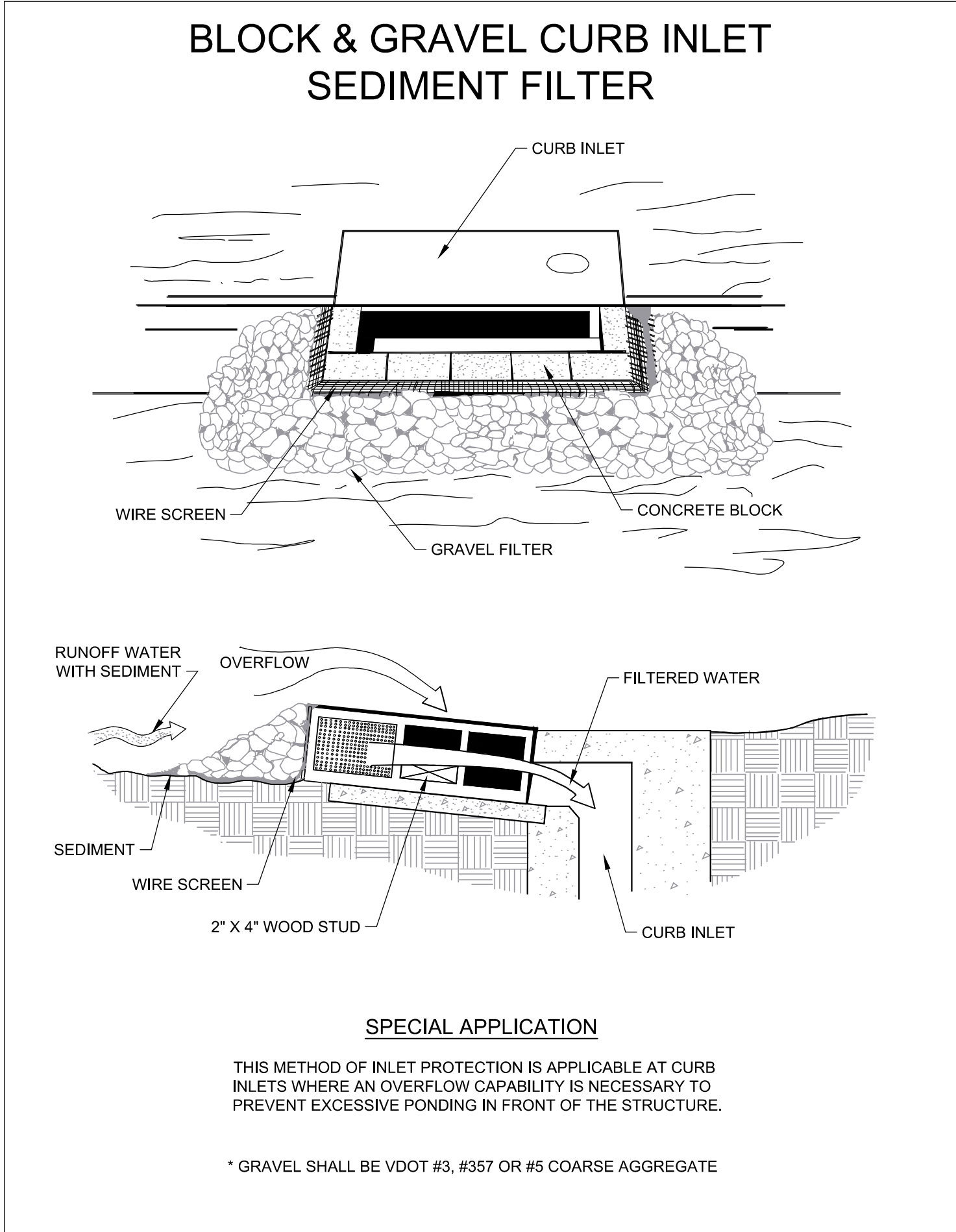
**SAF** SAFETY FENCE 3.01



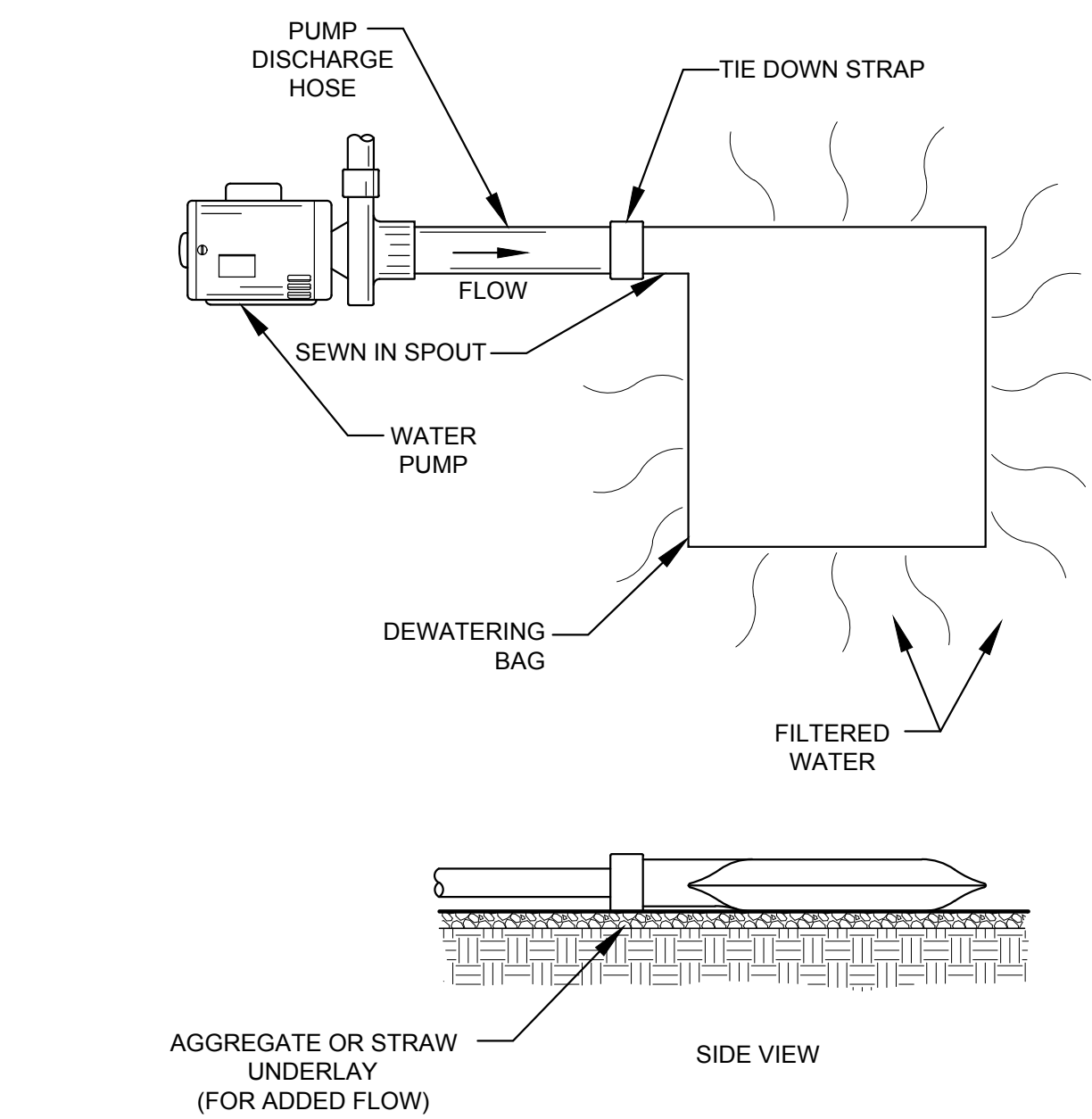
**IP** DROP INLET PROTECTION 3.07



**SF** SILT FENCE 3.05



**IP** CURB INLET PROTECTION 3.07



**DEWATERING BAG**

**FULTON HILL -  
GREEN STREET**

GOVERNMENT ROAD, RICHMOND, VA

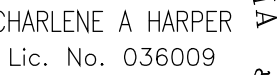
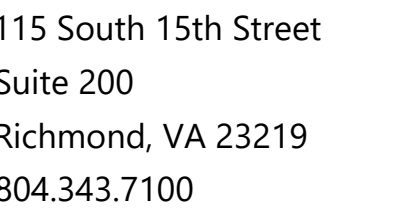
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**EROSION & SEDIMENT  
CONTROL DETAILS**

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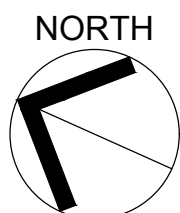
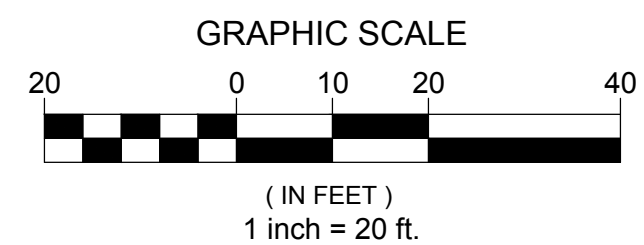
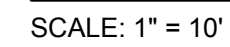


FULTON HILL -  
GREEN STREET

## SITE LAYOUT & MATERIALS PLAN

Sheet Number:

**C3.00**







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



## FULTON HILL - GREEN STREET

GOVERNMENT ROAD, RICHMOND, VA

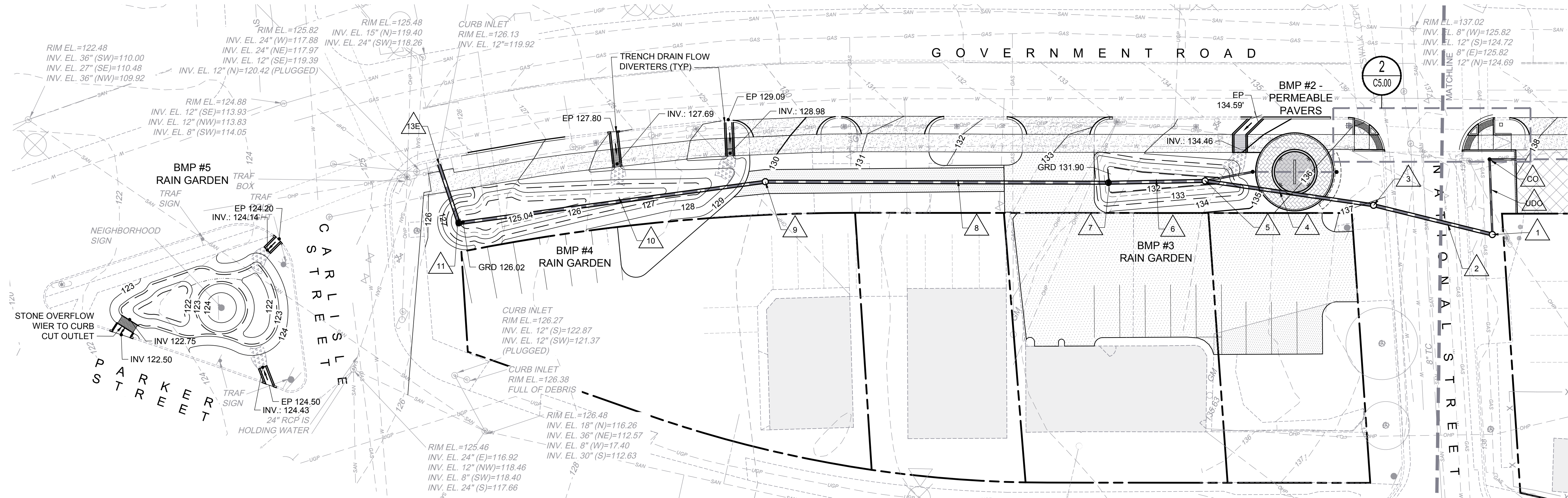
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## GRADING AND DRAINAGE PLAN

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Drawn By:	DSN
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QA/QC By:	ELG
Date:	FEBRUARY 17, 2023
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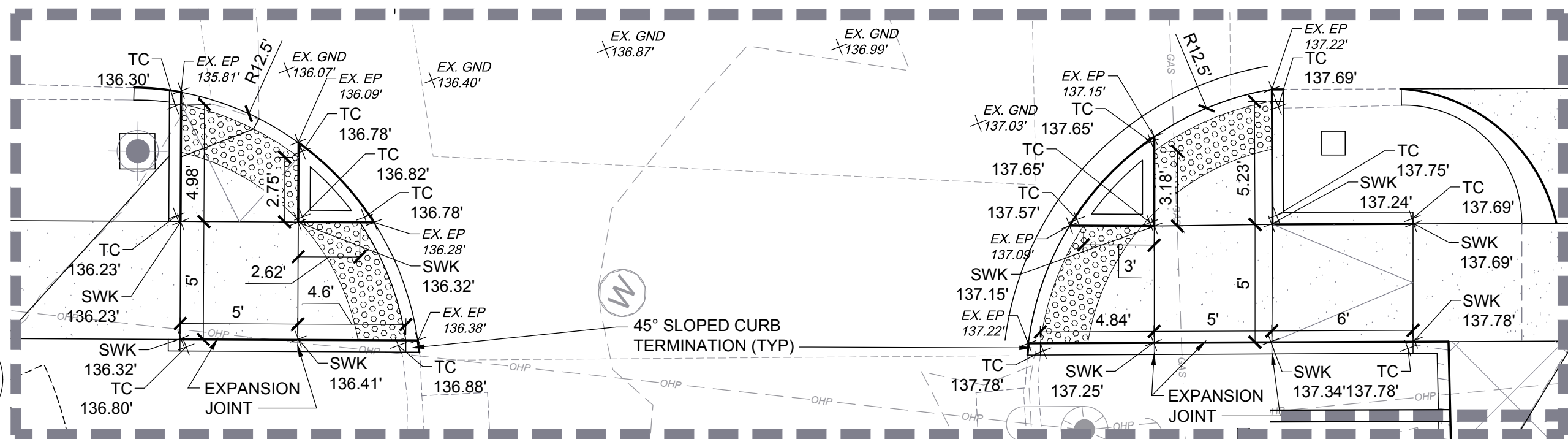
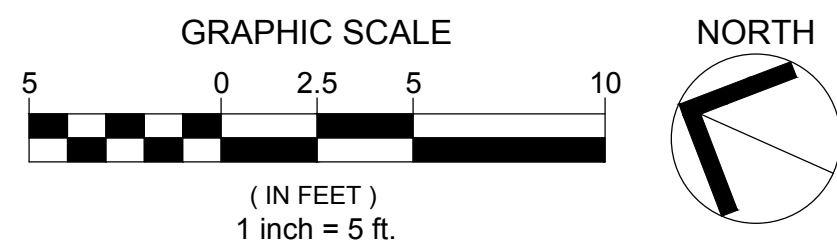


4900 BLOCK

### NOTES:

1. REFER TO C5.10 FOR STORM DRAIN PROFILES.

### ADA RAMP INSET

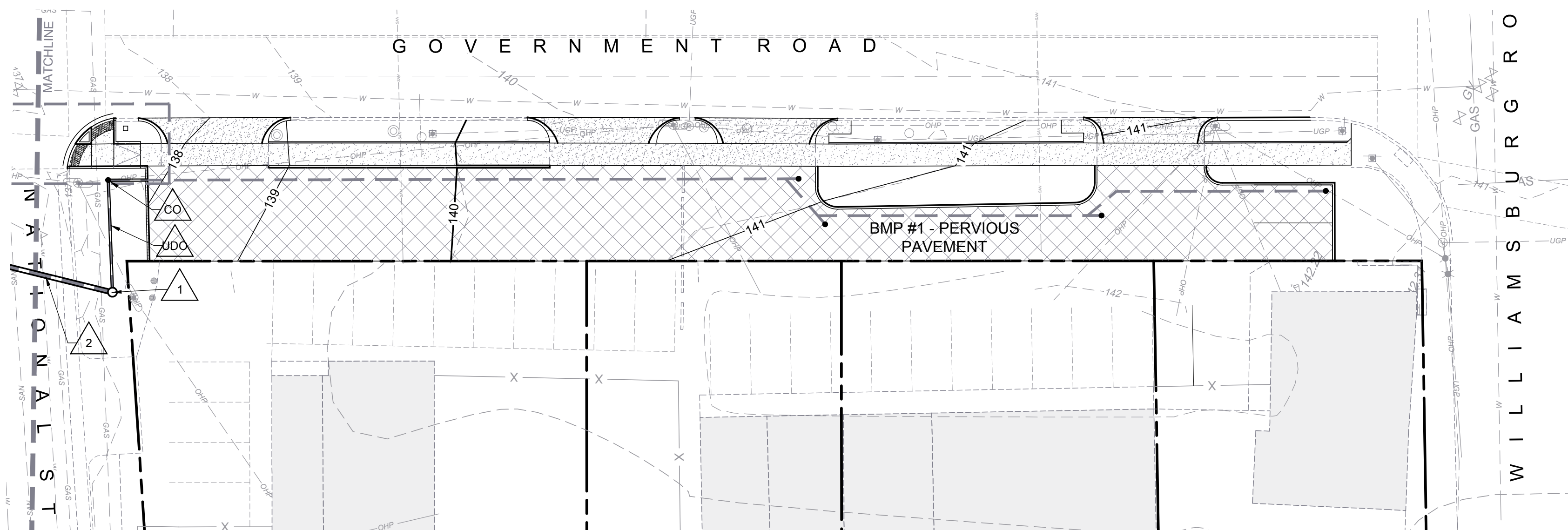


### STORM DRAIN LEGEND

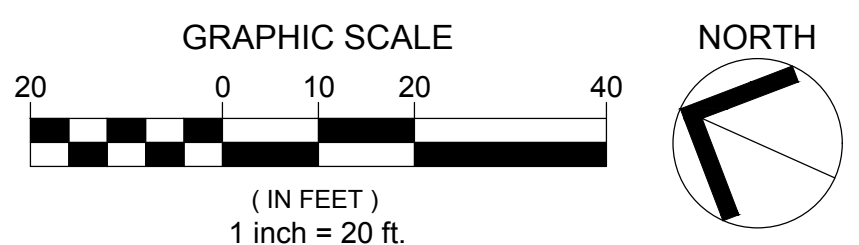
- CLEANOUT
- 24" MANHOLE
- 18" DOME INLET
- PERFORATED UNDERDRAIN
- PIPE

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

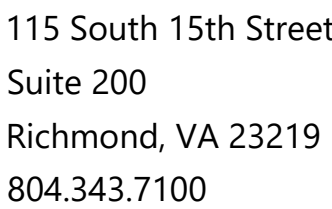
Pipe Table						
PIPE NAME	DIA	FROM - TO	UPSTREAM INVERT	DOWNSTREAM INVERT	SLOPE	LENGTH
UDO	6"	CO - 1	135.46	134.91	2.19%	25.11 LF
2	12"	1 - 3	131.09	129.87	3.00%	40.85 LF
4	12"	3 - 5	129.77	126.59	5.60%	56.83 LF
6	12"	5 - 7	126.48	126.16	1.00%	32.28 LF
8	12"	7 - 9	126.06	120.84	4.56%	114.61 LF
10	12"	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







## REVISIONS

## DRAINAGE PROFILE & SCHEDULE

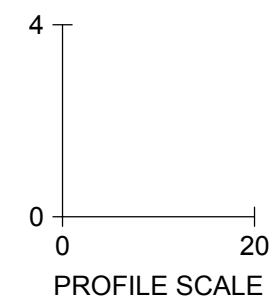
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Date:	FEBRUARY 17, 2023
Project Number:	36285.00
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# C5.10



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

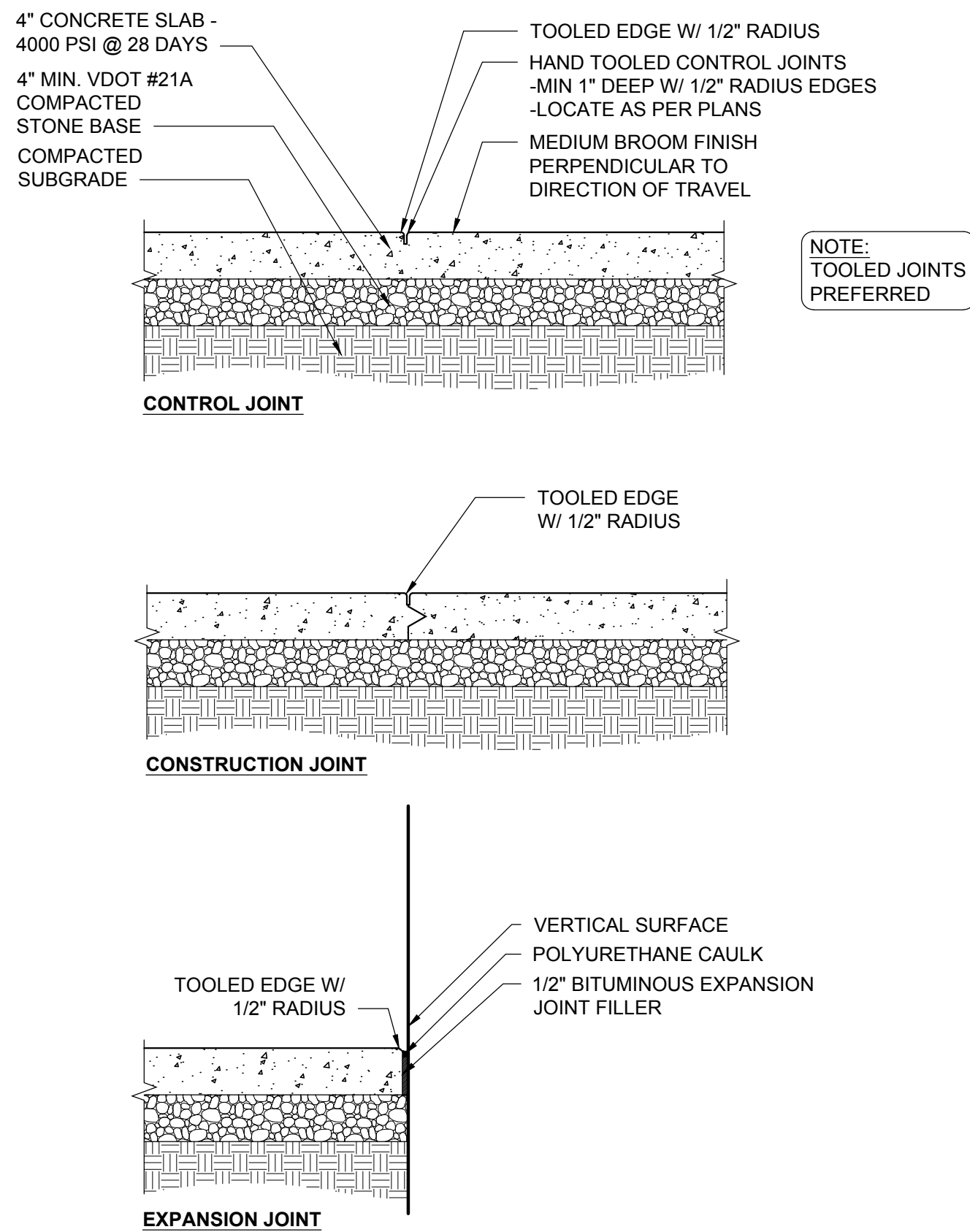
Pipe Table							
PIPE NAME	DIA	FROM - TO	UPSTREAM INVERT	DOWNSTREAM INVERT	SLOPE	LENGTH	DESCRIPTION
UDO	6"	CO - 1	135.46	134.91	2.19%	25.11 LF	PVC
2	12"	1 - 3	131.09	129.87	3.00%	40.85 LF	DIP
4	12"	3 - 5	129.77	126.59	5.60%	56.83 LF	RCP
6	12"	5 - 7	126.48	126.16	1.00%	32.28 LF	RCP
8	12"	7 - 9	126.06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



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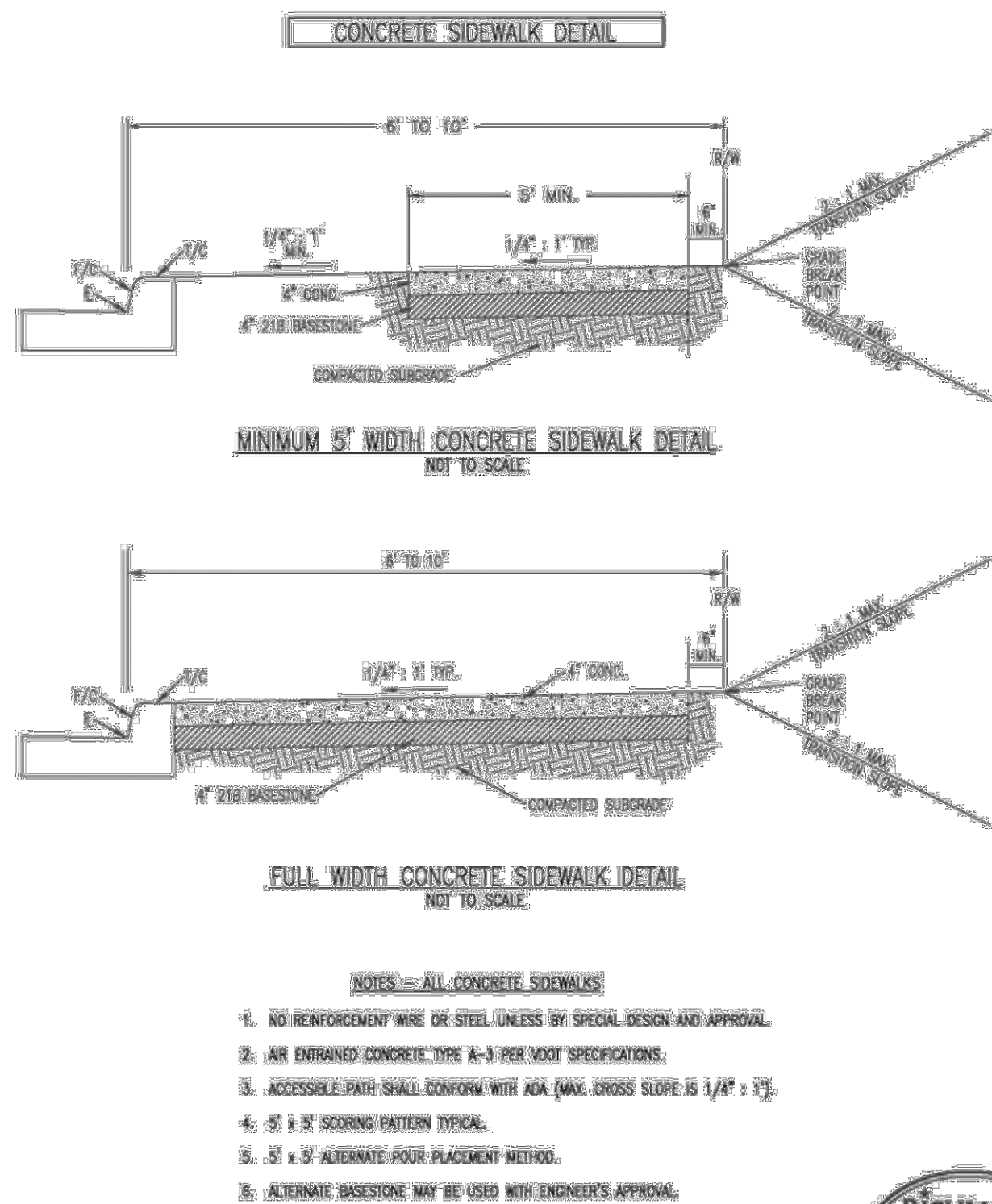


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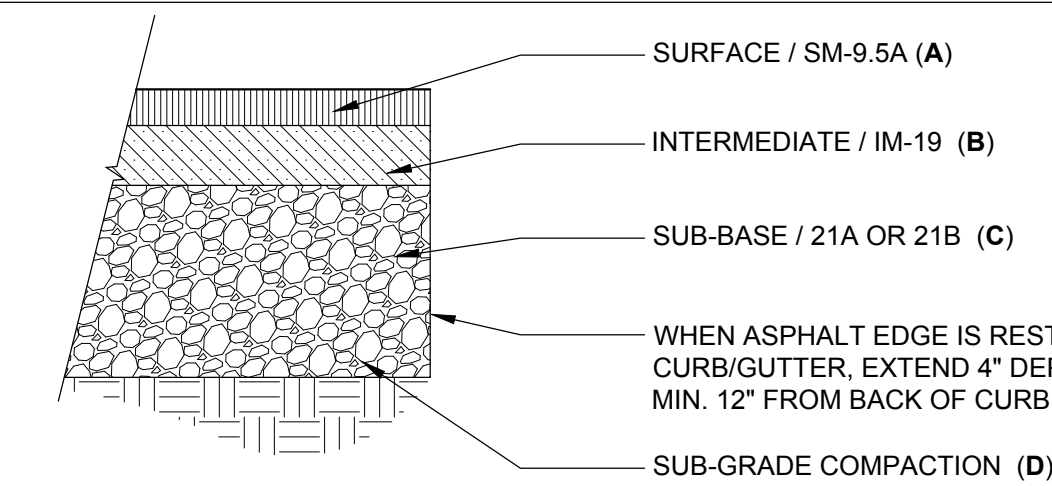
## SECTION 1 LIGHT DUTY CONCRETE & JOINTS

SCALE: NTS



## SECTION 6 CONCRETE SIDEWALK

SCALE: NTS



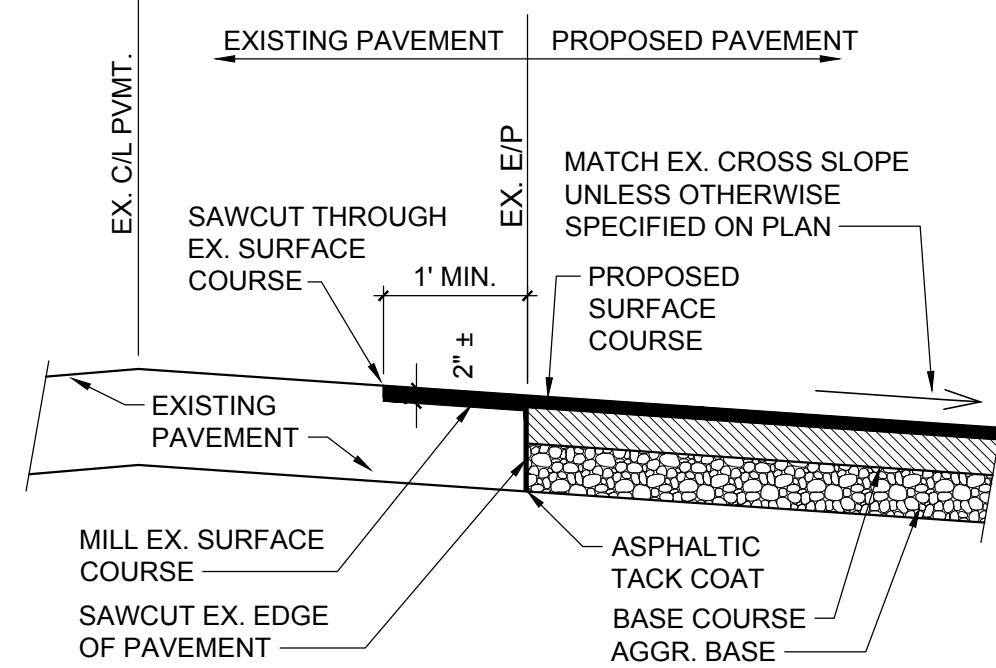
## ASPHALT PAVING

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

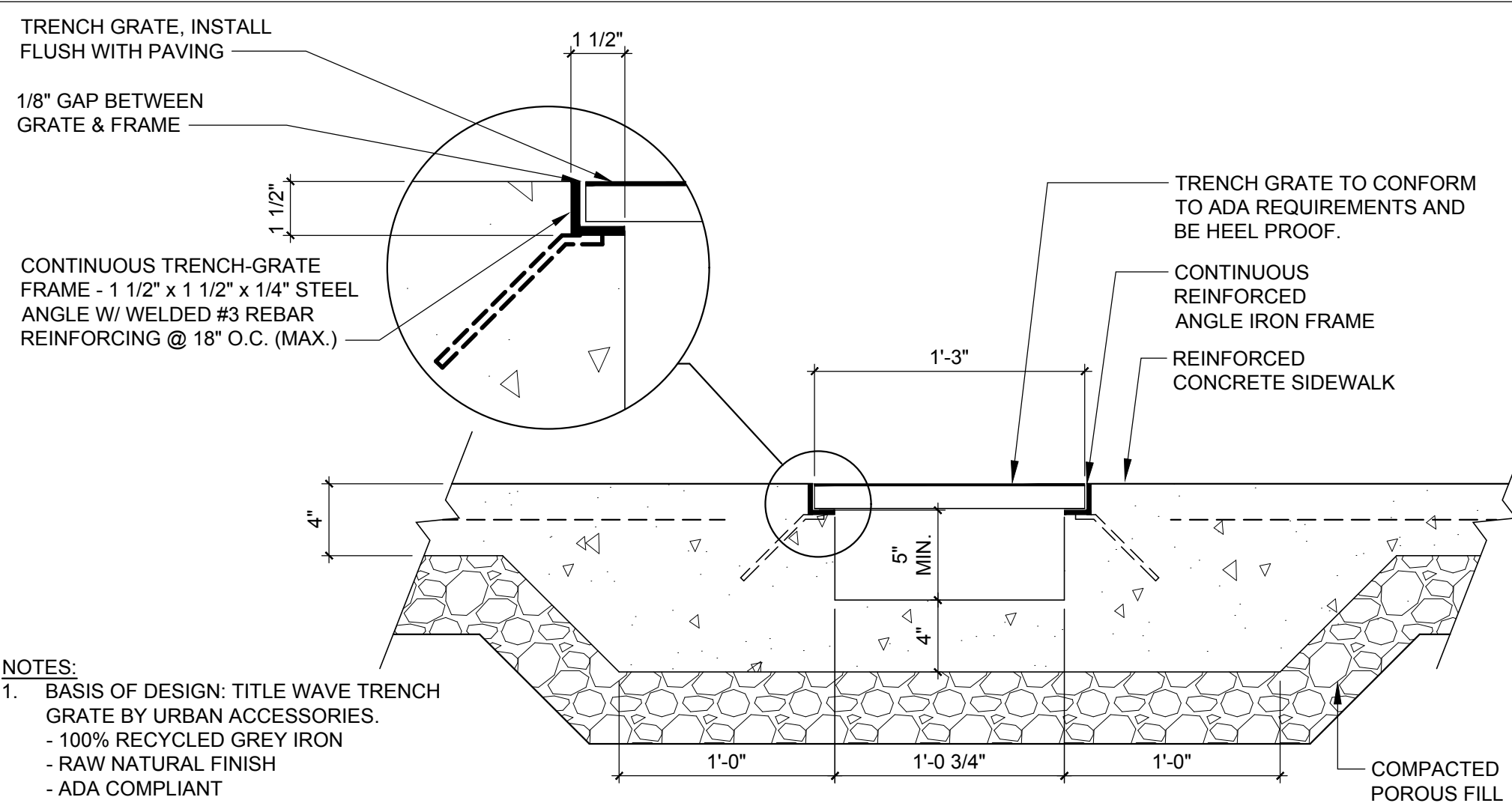
## ASPHALT

SCALE: NTS



## SECTION 3 EXISTING TO PROPOSED ASPHALT JOINT

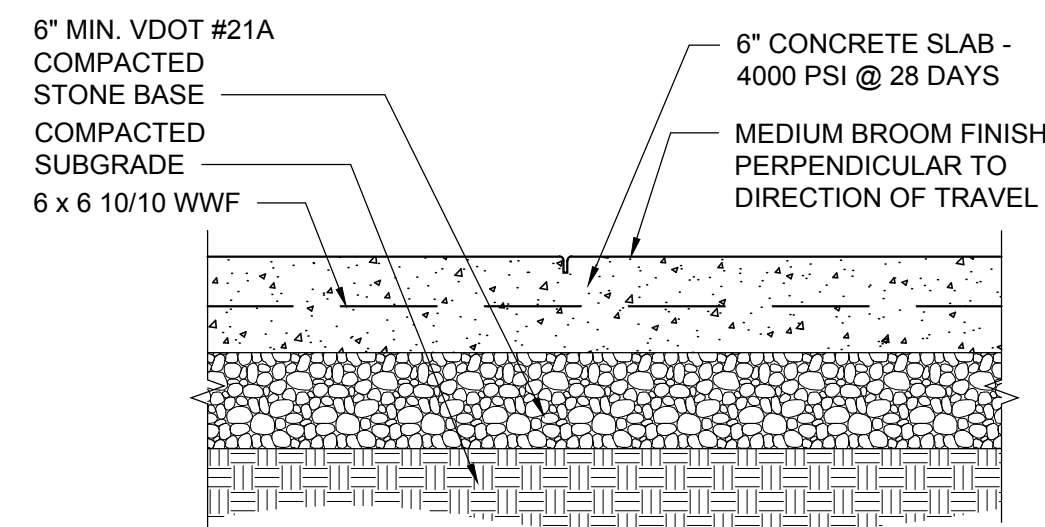
SCALE: NTS



NOTES:  
1. BASIS OF DESIGN: TITLE WAVE TRENCH GRATE BY URBAN ACCESSORIES.  
- 100% RECYCLED GREY IRON  
- RAW NATURAL FINISH  
- ADA COMPLIANT

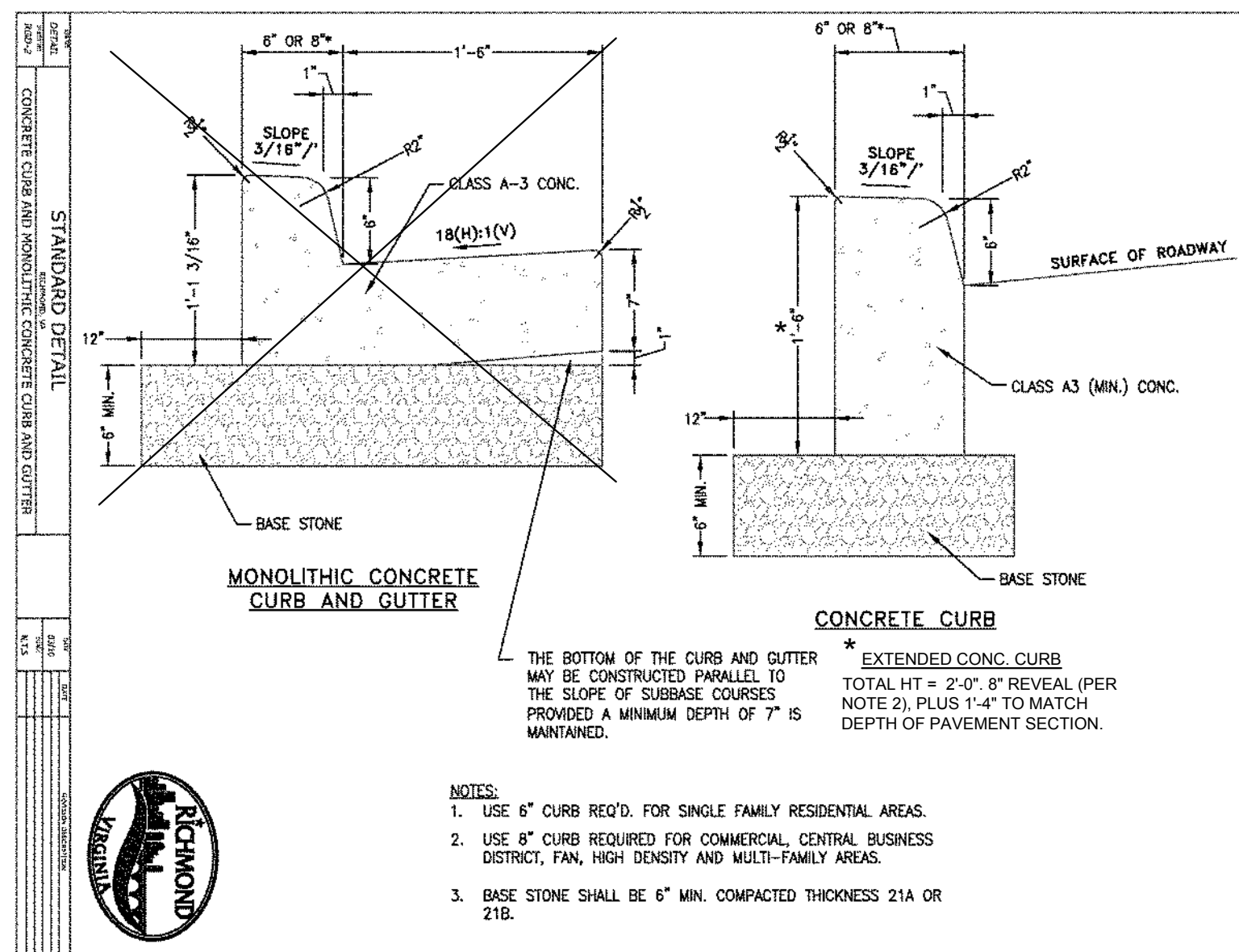
## SECTION 4 GRATED FLUME IN SIDEWALK

SCALE: NTS



## SECTION 5 HEAVY DUTY CONCRETE

SCALE: NTS

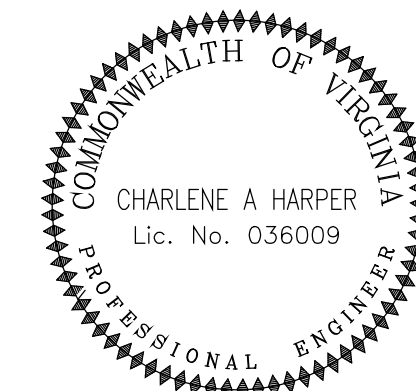


REFER TO VDOT STANDARD DETAILS FOR:

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

## VDOT STANDARD DETAILS

SCALE:



## FULTON HILL - GREEN STREET

GOVERNMENT ROAD, RICHMOND, VA

### REVISIONS:

No.	Description	Date
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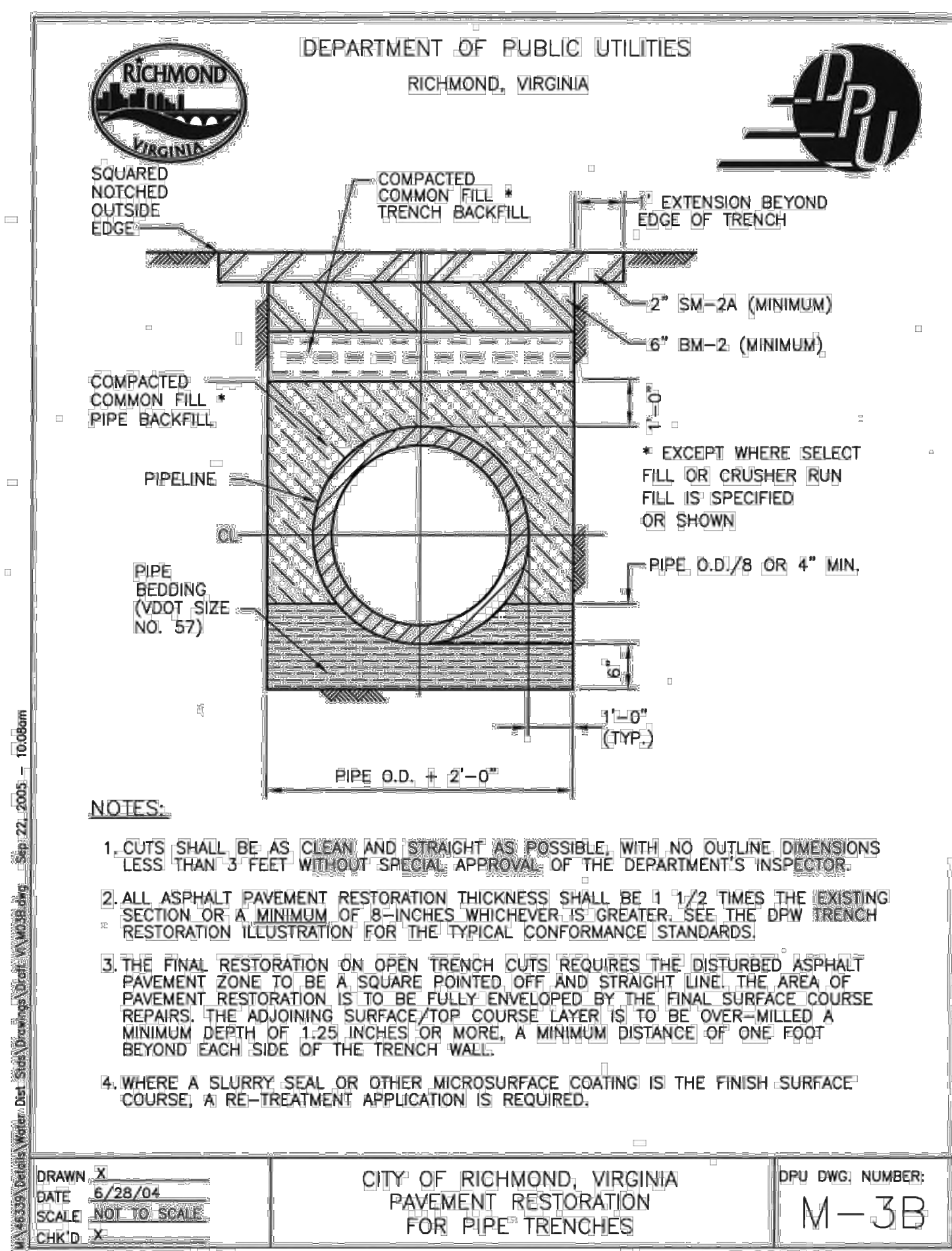
### SITE DETAILS

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Drawn By:	DSN
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QA/QC By:	ELG
Date:	FEBRUARY 17, 2023
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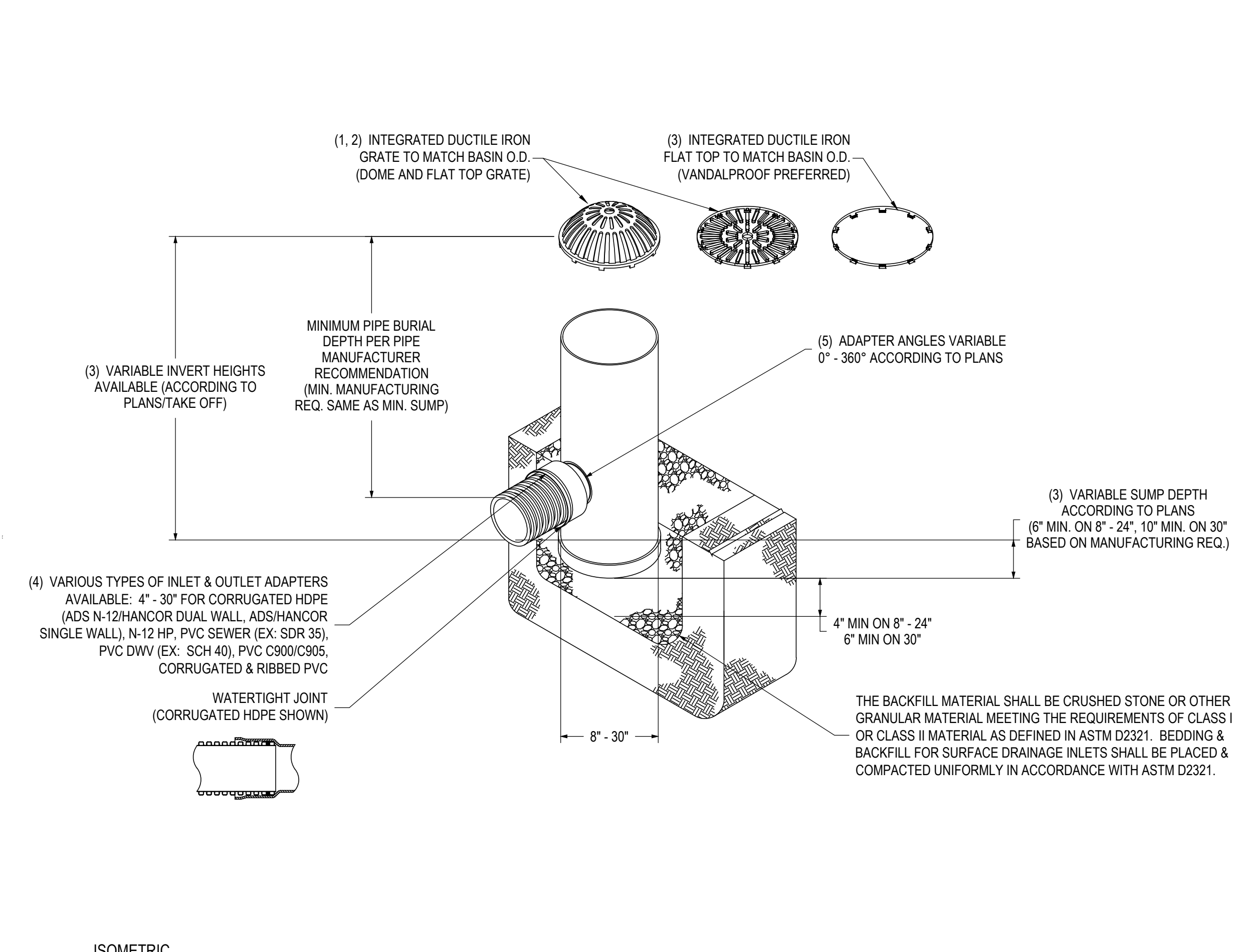
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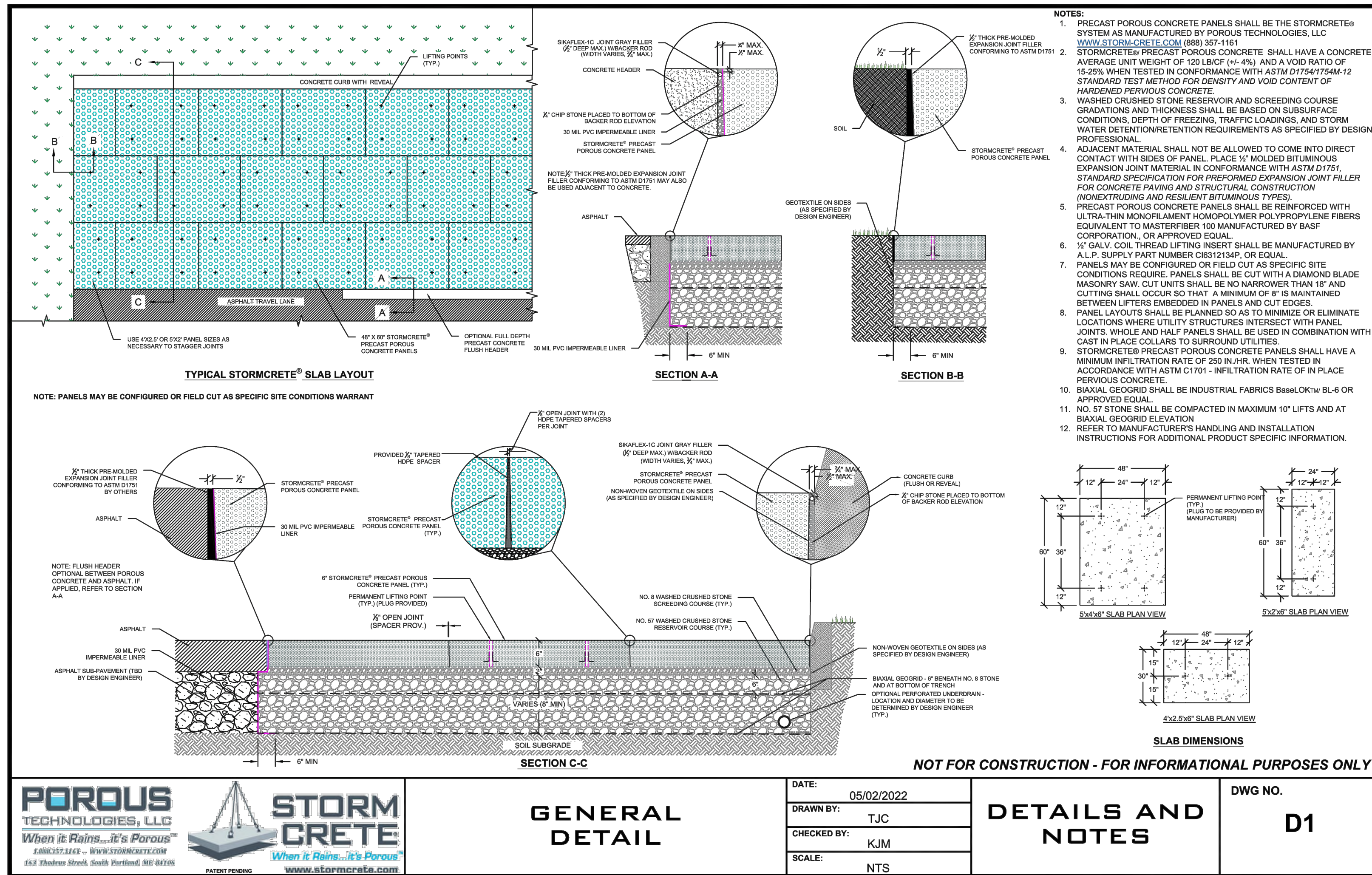
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**SECTION 1**  
**PIPE TRENCH**  
SCALE: NTS



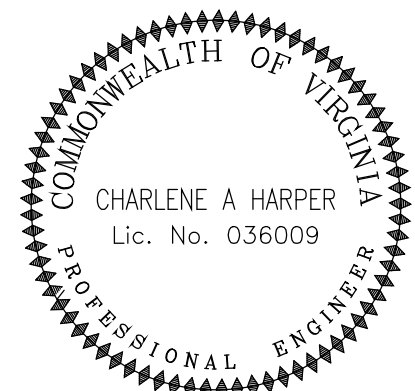
**SECTION 2**  
**PLASTIC STORM STRUCTURE**  
SCALE: NTS



**PLAN/SECTION**  
**PRECAST PERVIOUS CONCRETE**  
SCALE: NTS

**vhb**

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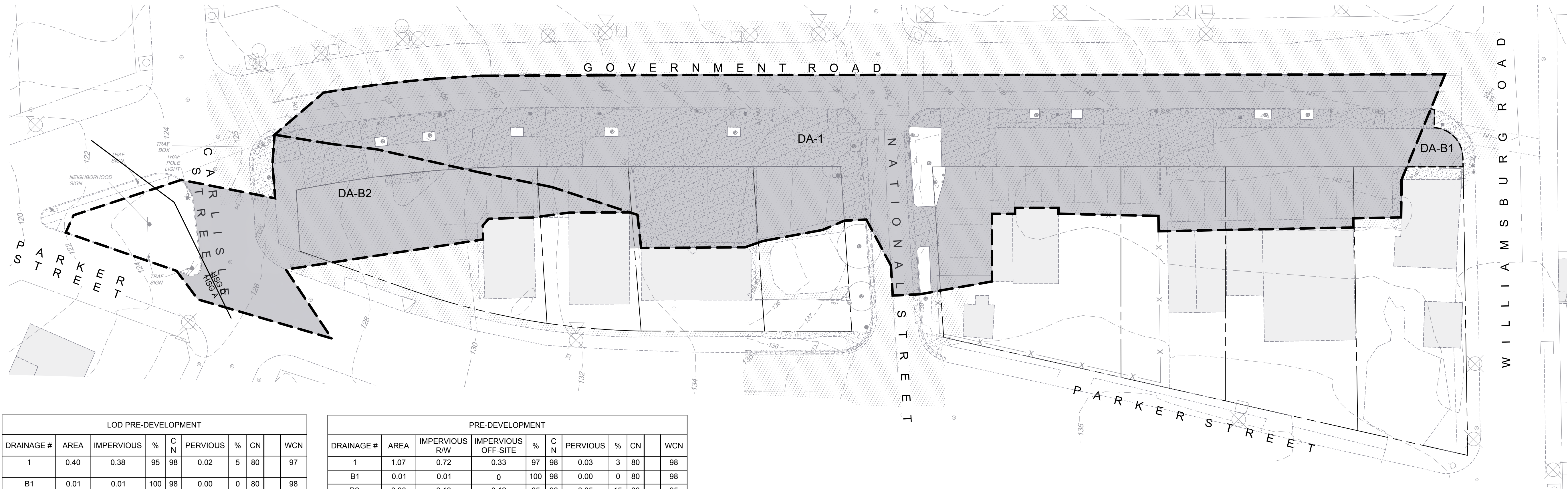
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No.	Description	Date

**STORM DRAIN DETAILS**

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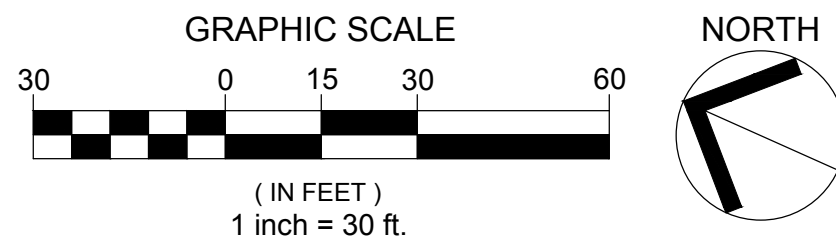
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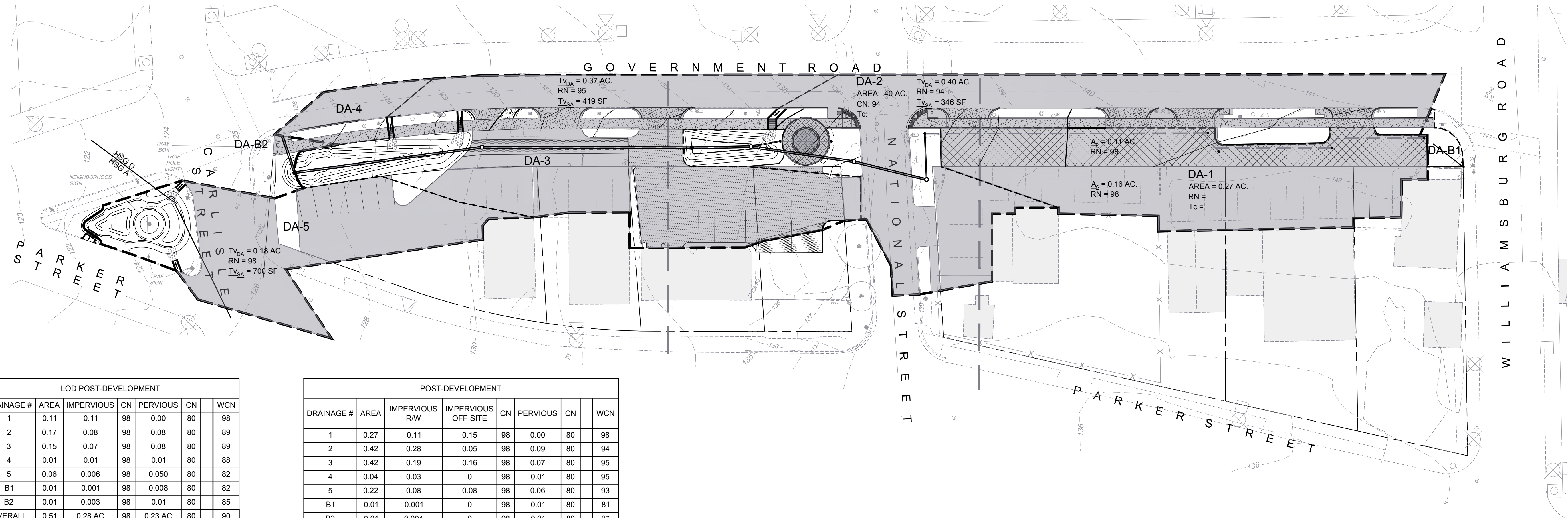
LOD PRE-DEVELOPMENT							
DRAINAGE #	AREA	IMPERVIOUS	%	C N	PERVIOUS	%	WCN
1	0.40	0.38	95	98	0.02	5	80
B1	0.01	0.01	100	98	0.00	0	80
B2	0.10	0.05	53	98	0.05	47	80
OVERALL	0.51 AC	0.45 AC	87	98	0.07 AC	13	80

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

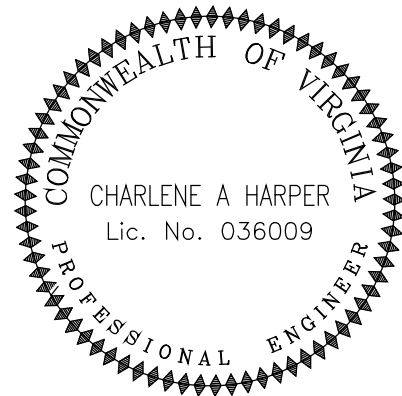


PROPOSED CONDITIONS



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



## FULTON HILL - GREEN STREET

GOVERNMENT ROAD, RICHMOND, VA

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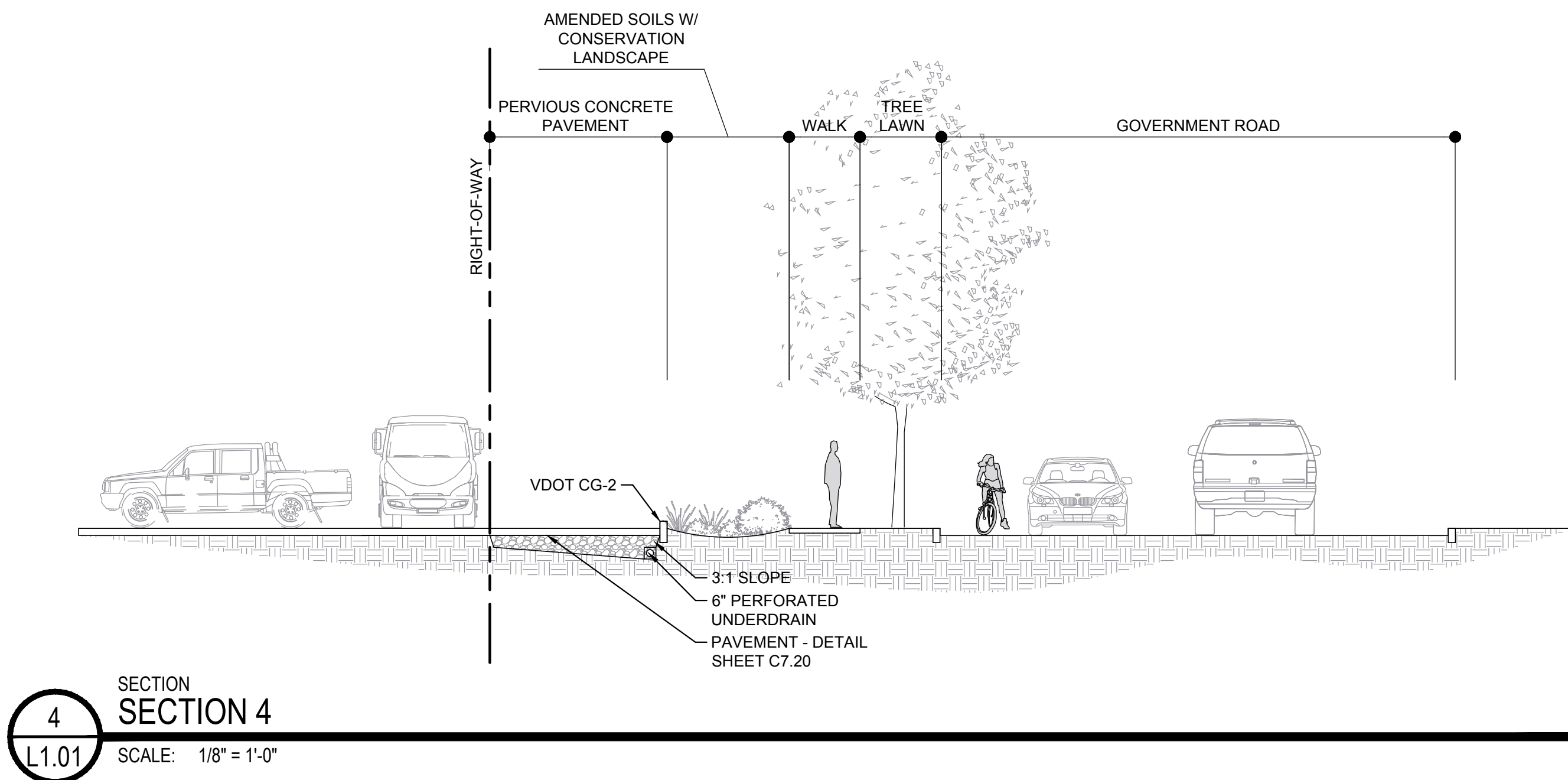
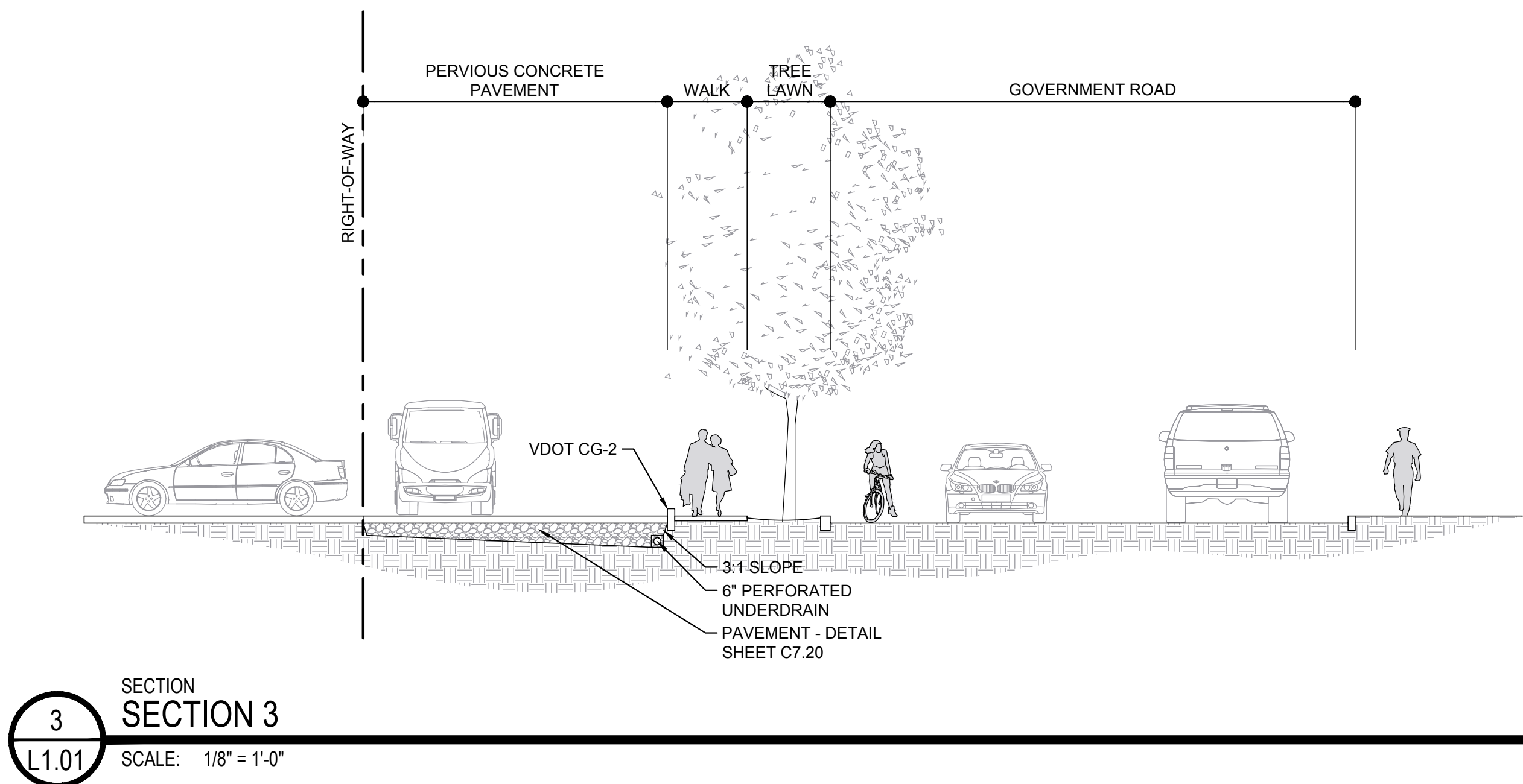
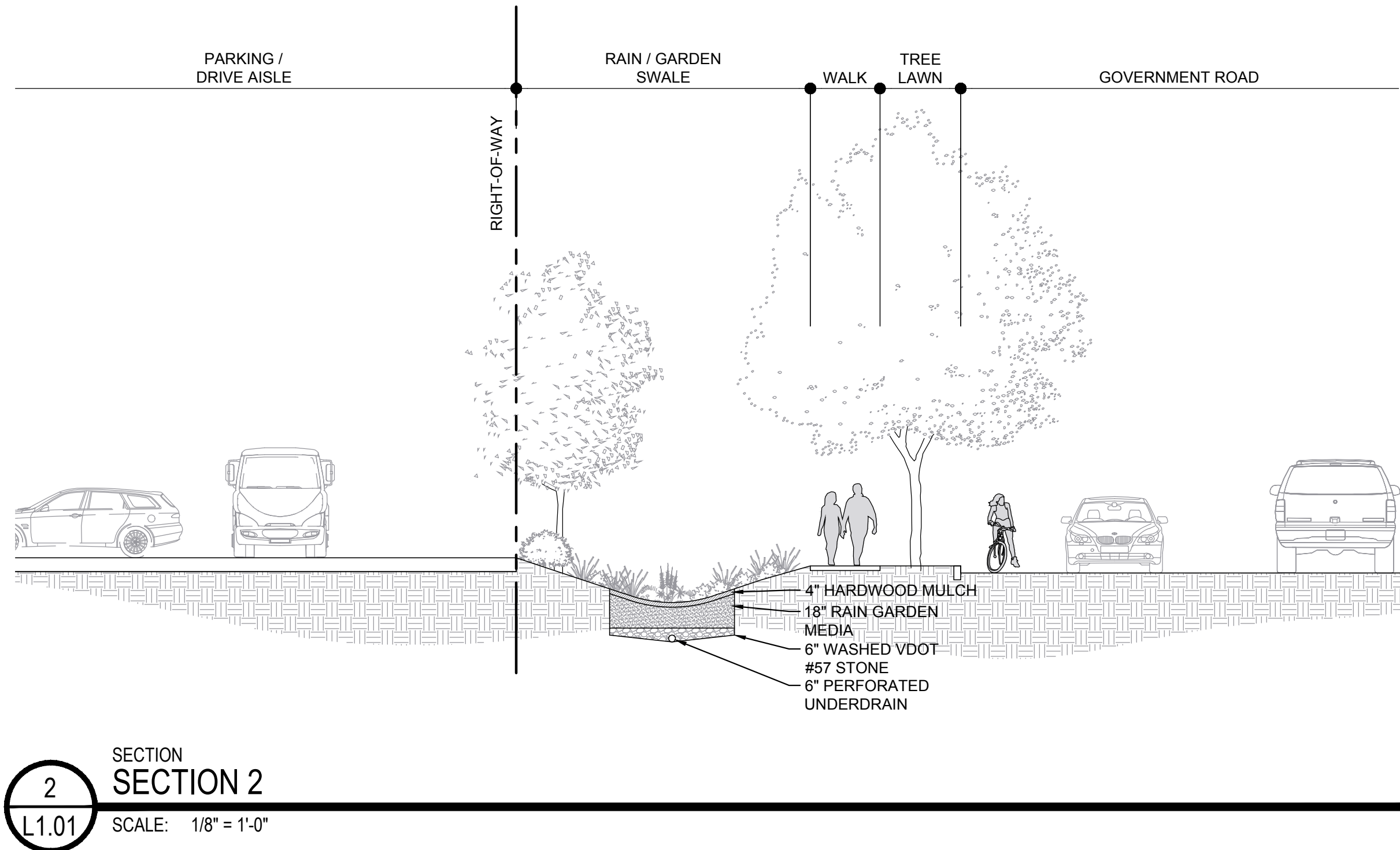
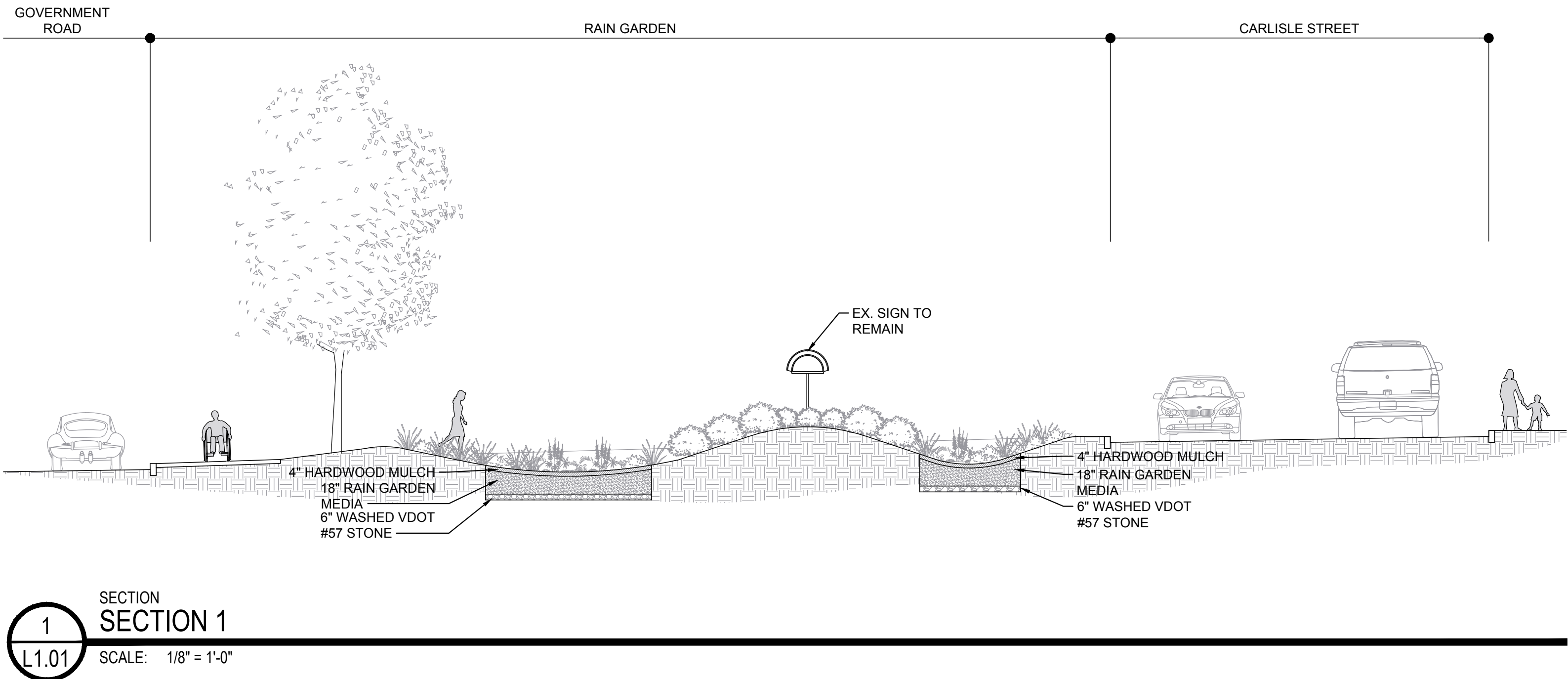
### DRAINAGE AREA MAP

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

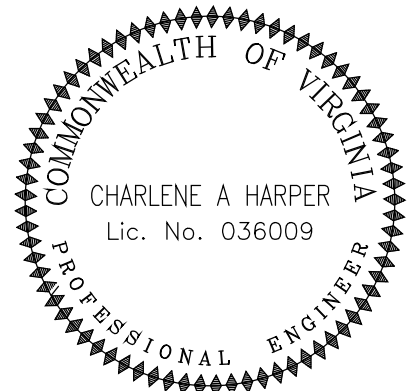
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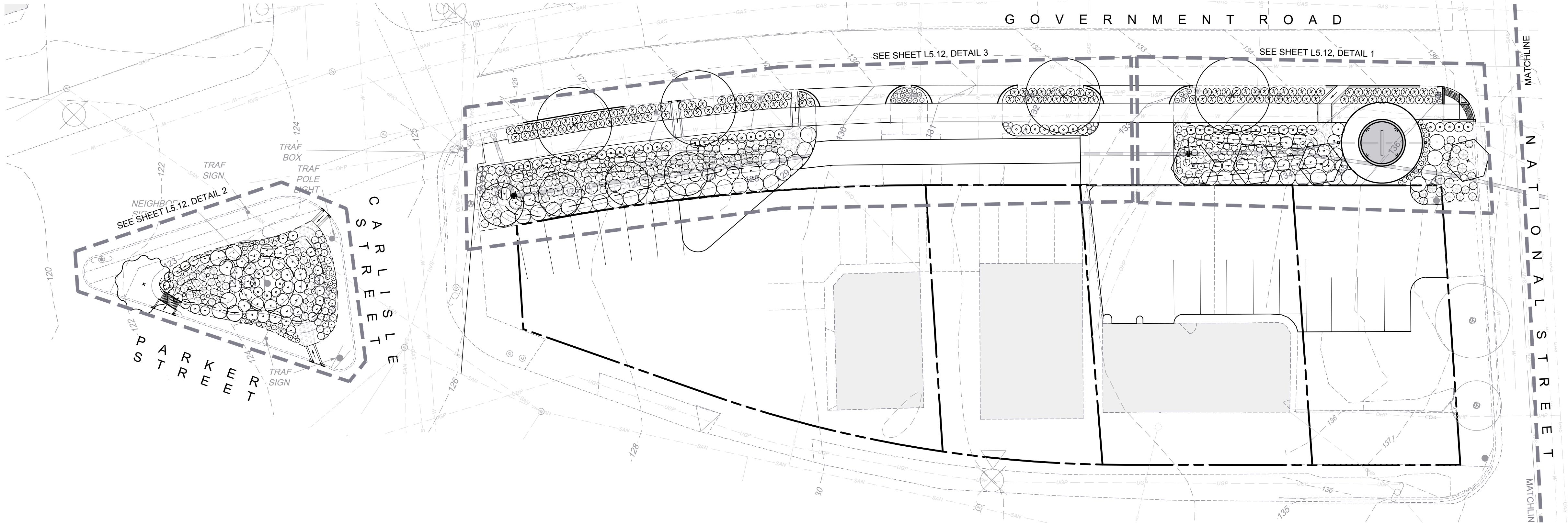
### ILLUSTRATIVE SECTIONS

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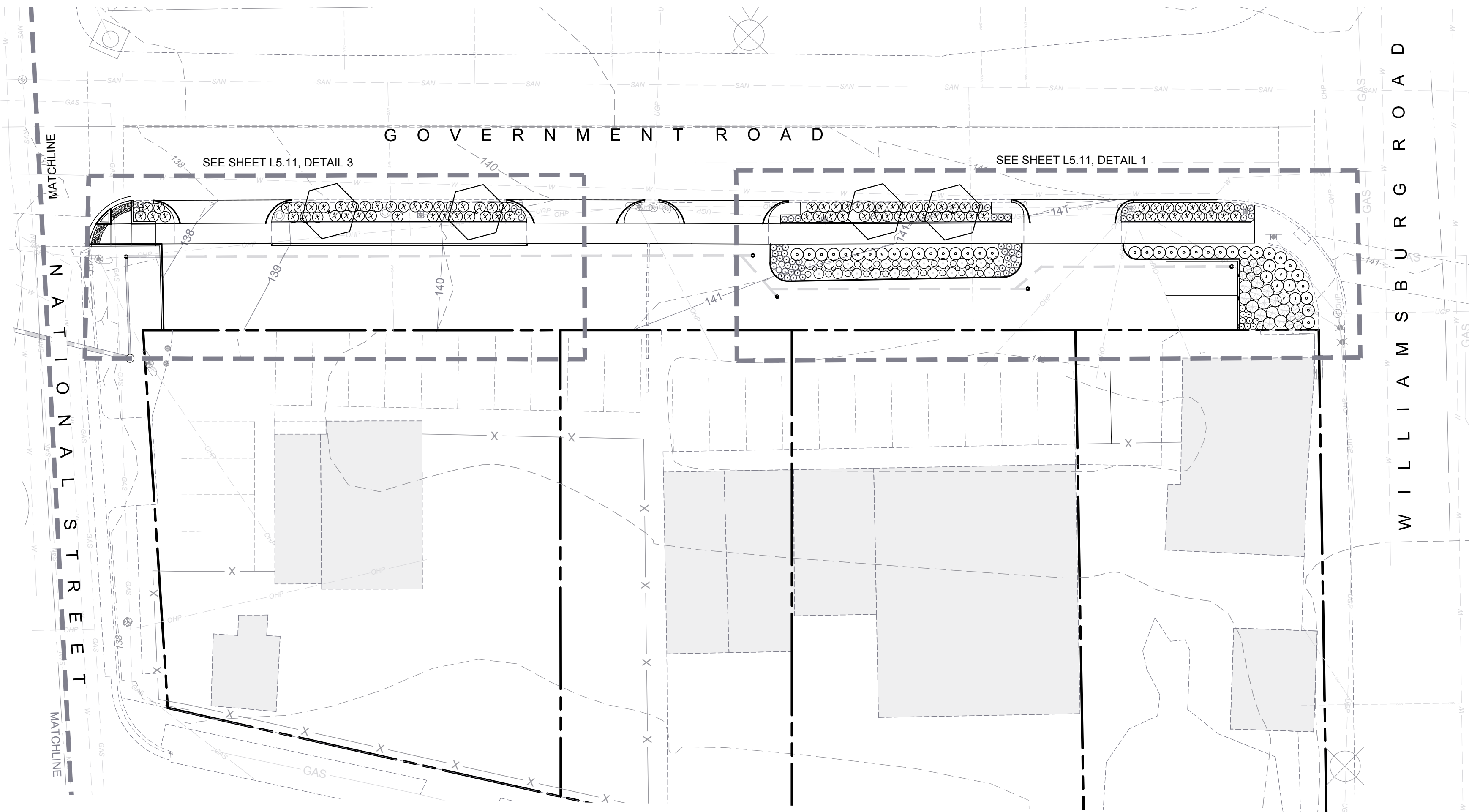
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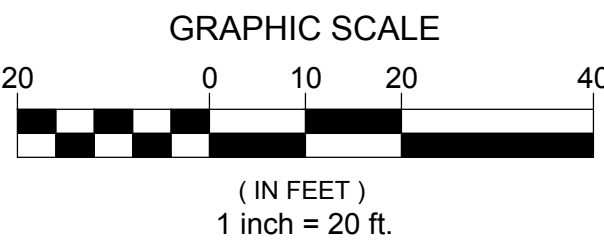
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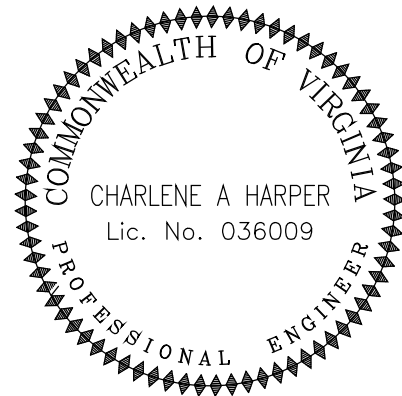
4900 BLOCK



5000 BLOCK



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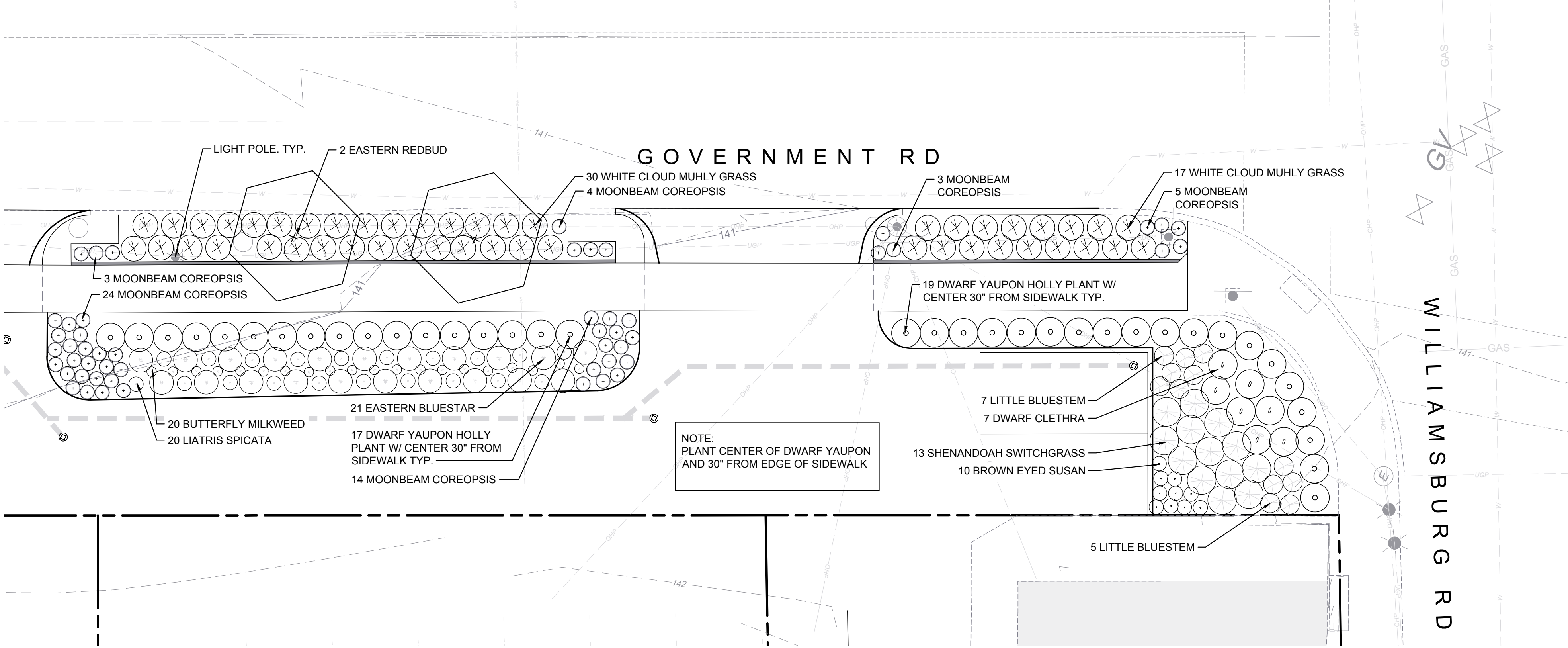
### PLANTING PLAN OVERVIEW

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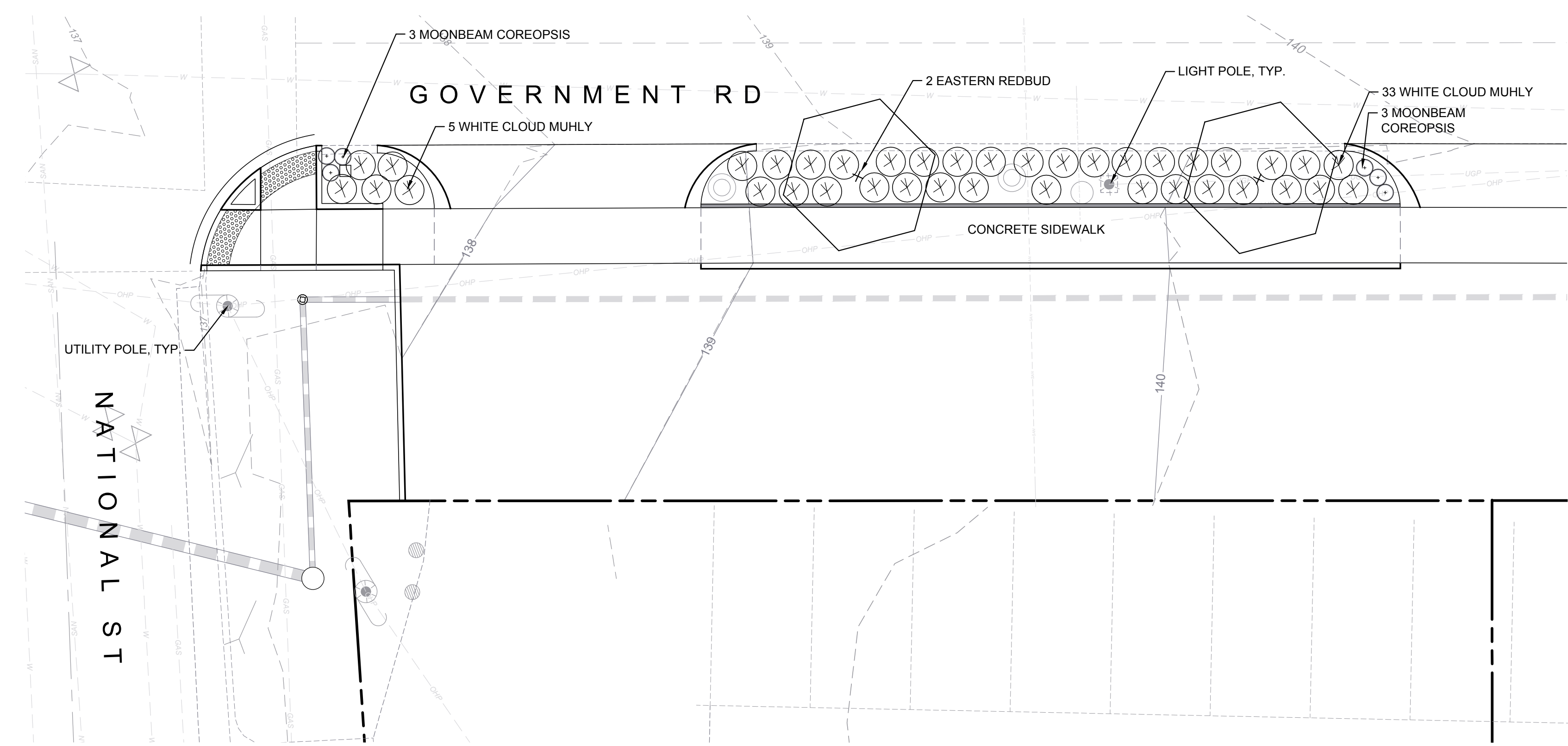
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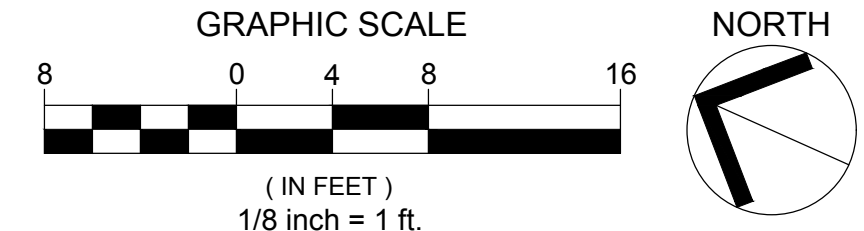
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1  
L5.00  
PLAN  
PLANTING BEDS AT INNOVATE FULTON  
SCALE: 1/8" = 1'-0"

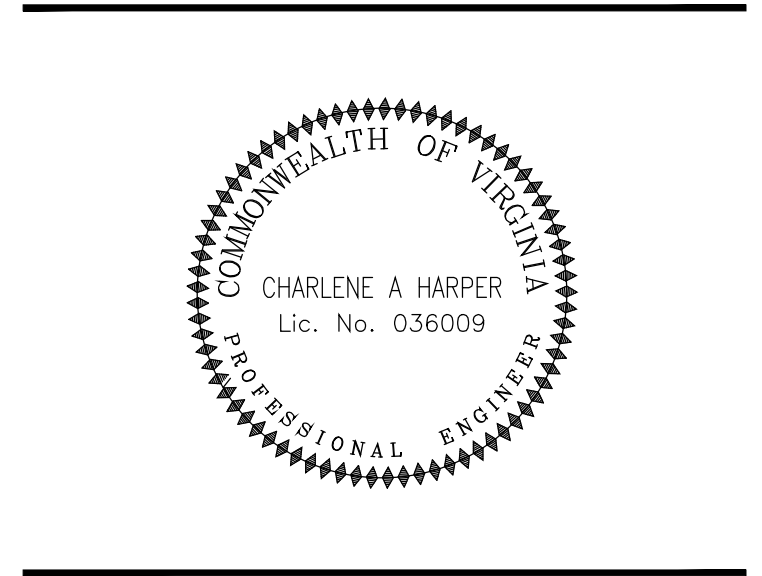


2  
L5.00  
PLAN  
TREE LAWN AT RESTAURANT  
SCALE: 1/8" = 1'-0"





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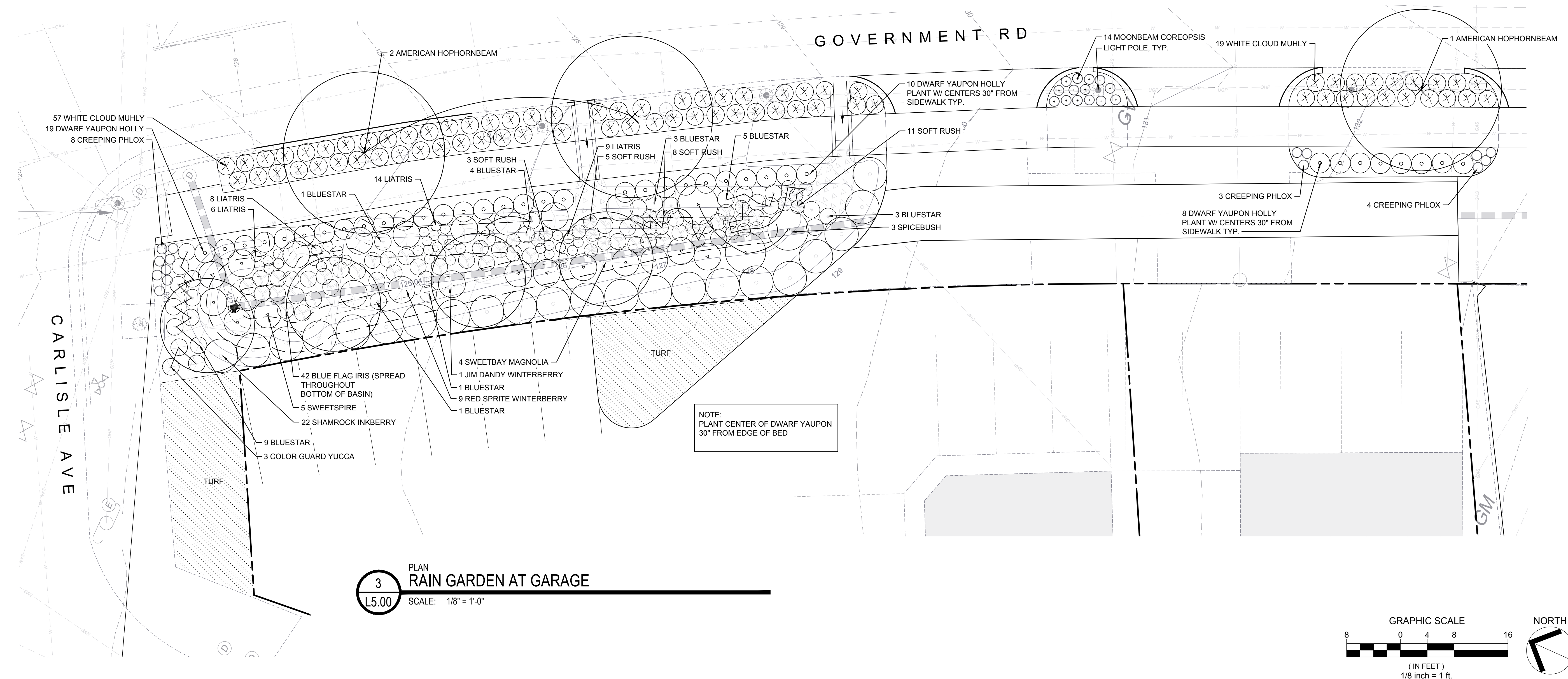
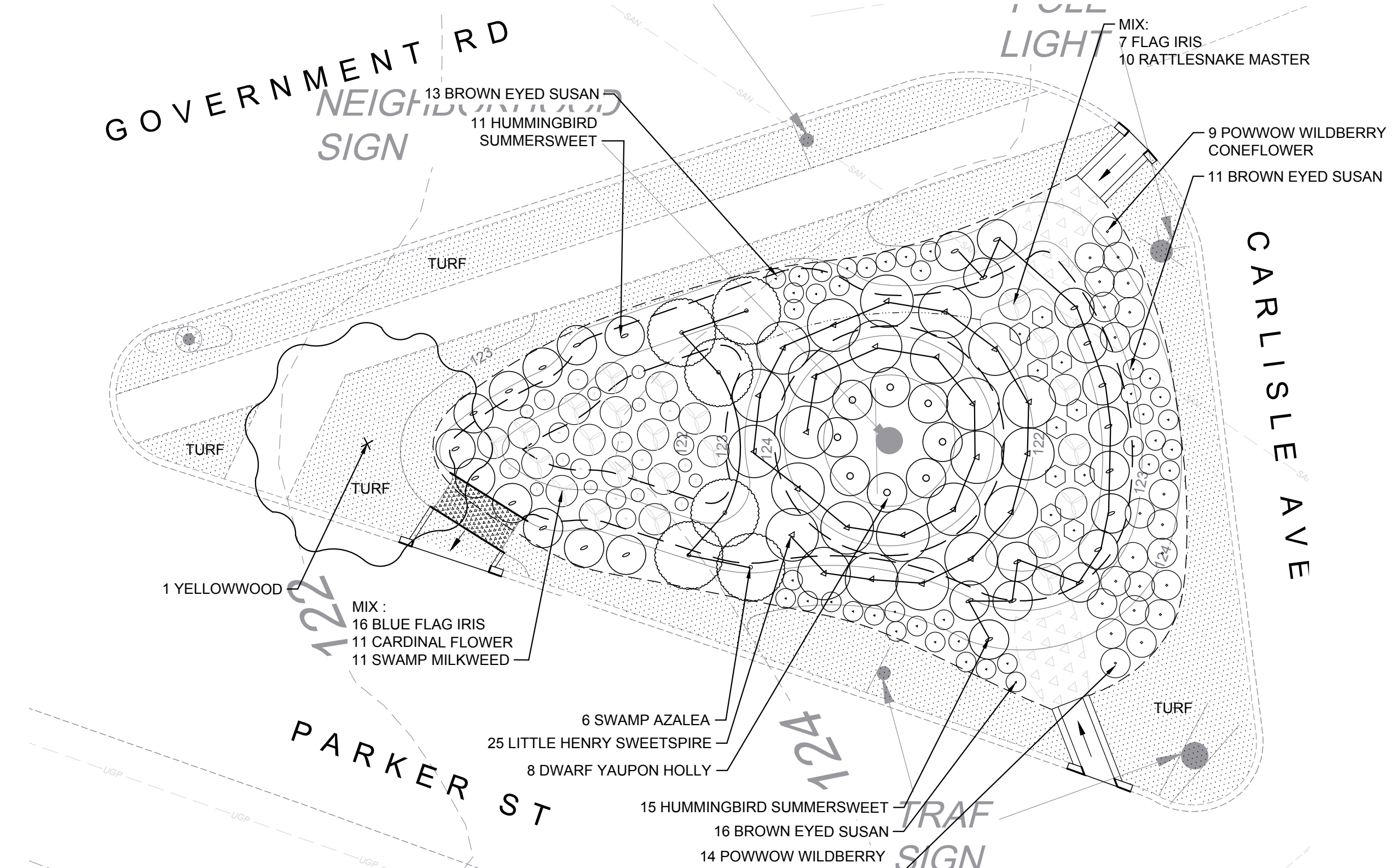
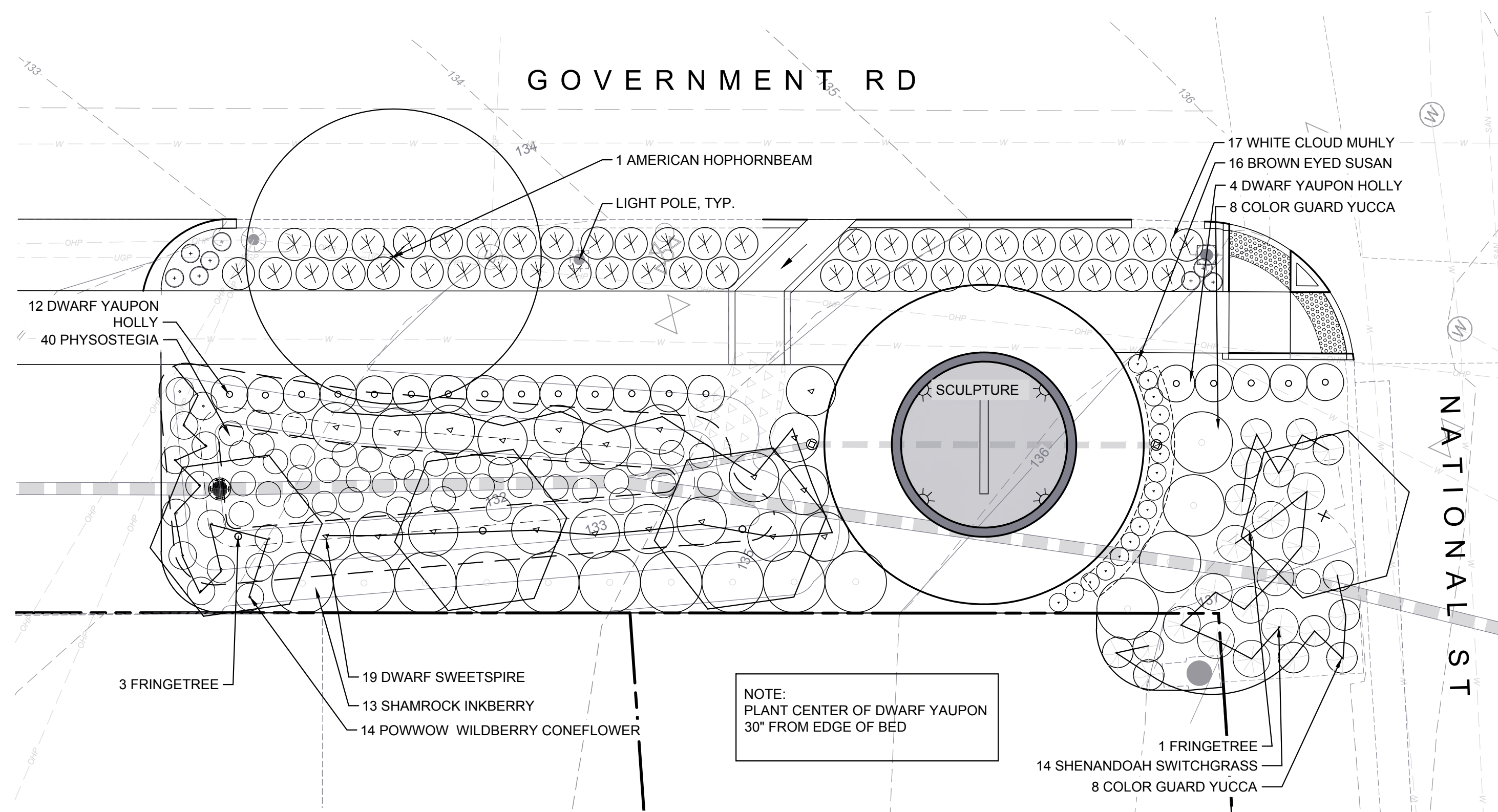
REVISIONS:		
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### PLANTING ENLARGEMENTS

Designed By:	CAH
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QA/QC By:	ELG
Date:	FEBRUARY 17, 2023
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Sheet Number:	

L5.11





FULTON HILL -  
GREEN STREET

GOVERNMENT ROAD, RICHMOND, VA

## REVISIONS:

[illegible]

## PLANTING ENLARGMENTS

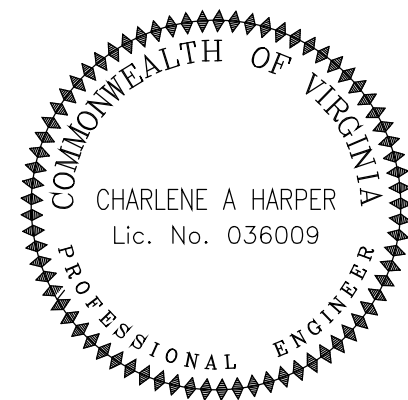
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[illegible]

1.	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.	12.	ALL PLANTING OPERATIONS SHALL BE UNDER THE SUPERVISION OF AN EXPERIENCED PLANTSMAN.
2.	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.	13.	LANDSCAPE ARCHITECT RESERVES THE RIGHT TO SELECT PLANT MATERIALS IN THE NURSERY.
3.	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.	14.	FOR TREES BALLED IN WIRE BASKETS, CUT AND REMOVE TOP AND SIDES OF BASKET AFTER INSTALLATION.
4.	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.	15.	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).
5.	THE LANDSCAPE ARCHITECT IS THE OWNERS REPRESENTATIVE AND SHALL BE THE APPROVING AUTHORITY FOR INFORMATION PROVIDED IN THESE PLANS AND SPECIFICATIONS.	16.	SOIL SHALL BE FREE OF ALL WEEDS.
6.	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.	17.	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 UNAUTHORIZED SUBSTITUTIONS OR DOWNSIZING.
7.	ALL PLANT MATERIALS AND PLANTING METHODS SHALL CONFORM TO A.A.N. STANDARDS.	18.	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
8.	CONTRACTOR SHALL LAYOUT AND MARK LOCATION FOR ALL PLANT MATERIAL, PLANTING, AND IMPROVEMENTS SHOWN AND REQUEST IN FIELD APPROVAL FROM LANDSCAPE ARCHITECT.	19.	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.
9.	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.	20.	CONTRACTOR SHALL REMOVE STAKING FROM TREES AT THE END OF THE ONE YEAR WARRANTY PERIOD.
10.	ALL PLANTING BED AREAS SHALL BE COVERED WITH A 3" MINIMUM LAYER OF MEDIUM TEXTURE SHREDED HARDWOOD MULCH UNLESS OTHERWISE NOTED.		
11.	ALL SUBSTITUTIONS OF PLANT MATERIAL SHALL BE REQUESTED IN WRITING TO THE		



GOVERNMENT ROAD, RICHMOND, VA

[illegible]

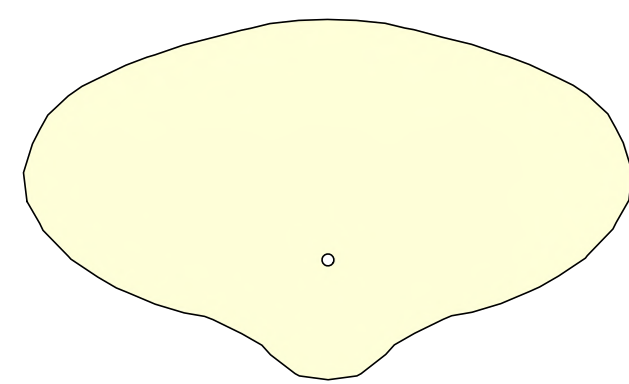
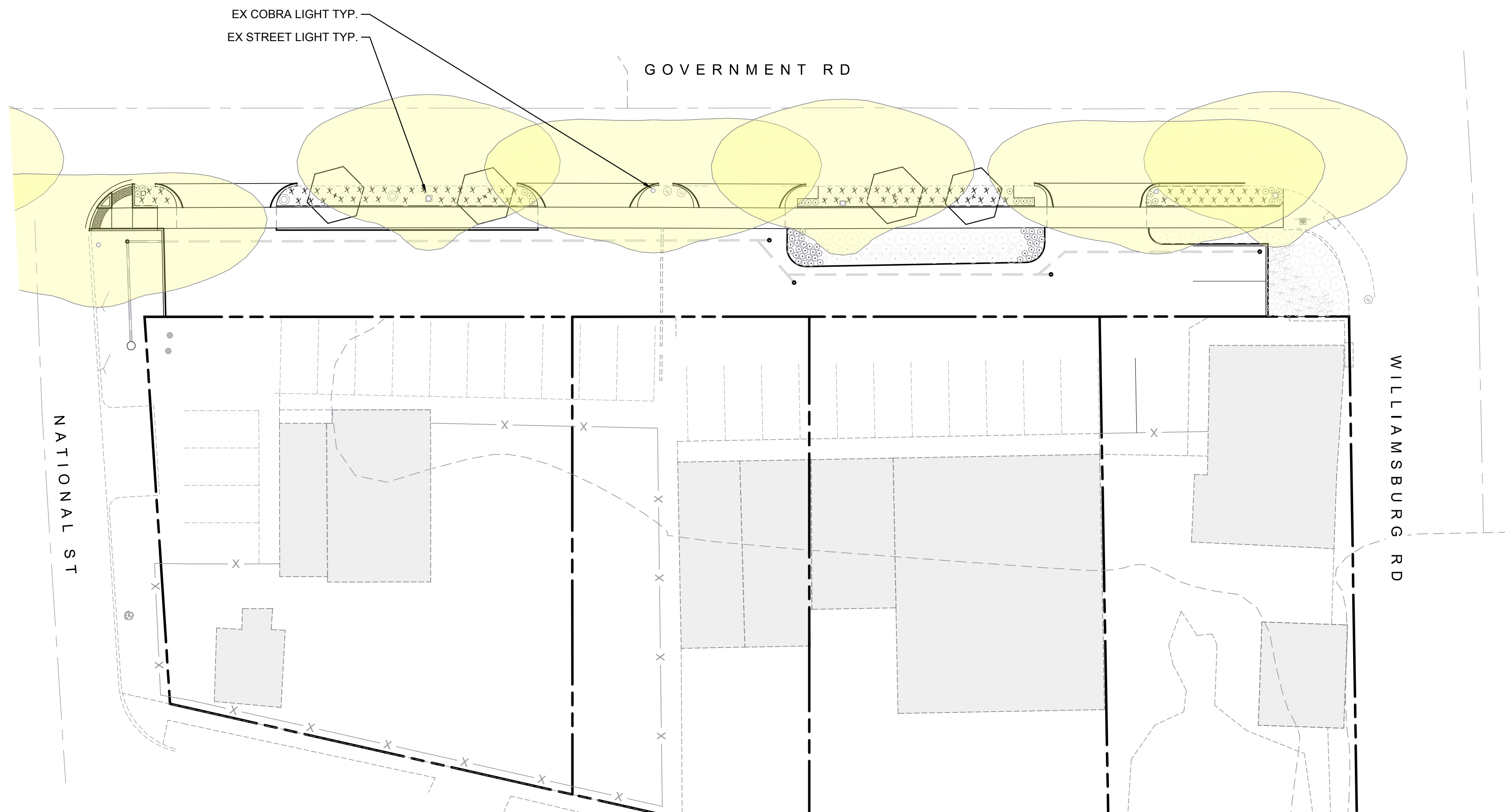
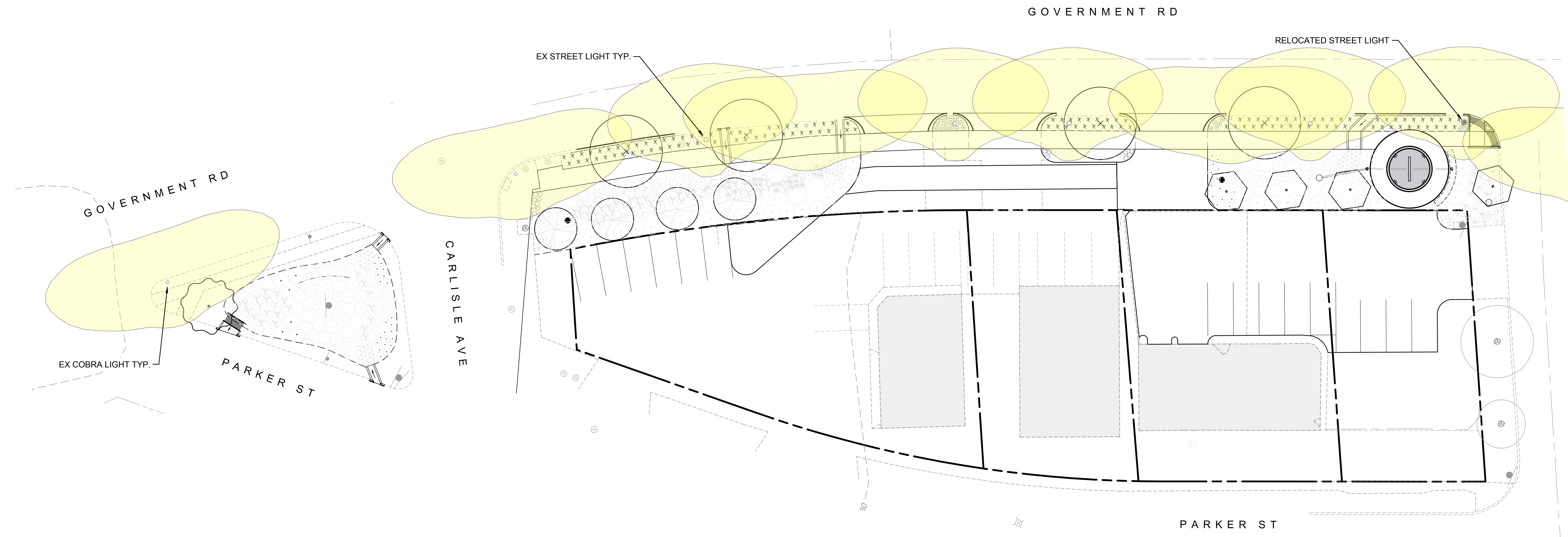
No.	Description	Date
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Designed By:	CAH
Drawn By:	DSN
Checked By:	CAH
QA/QC By:	ELG
Date:	FEBRUARY 17, 2023
Project Number:	36285.00
Sheet Number:	

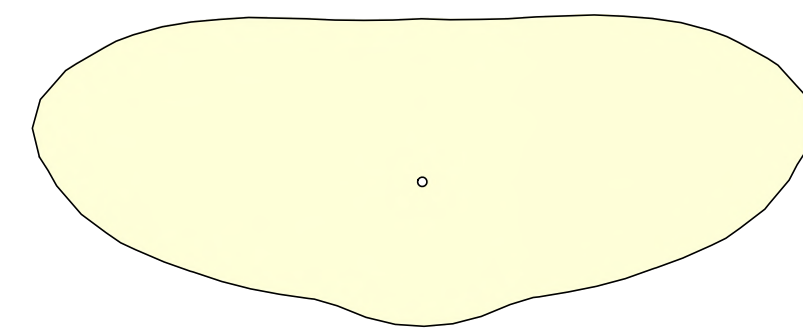
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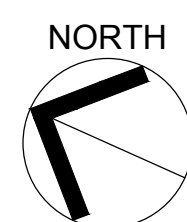
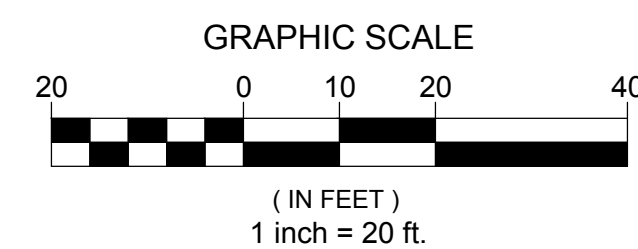
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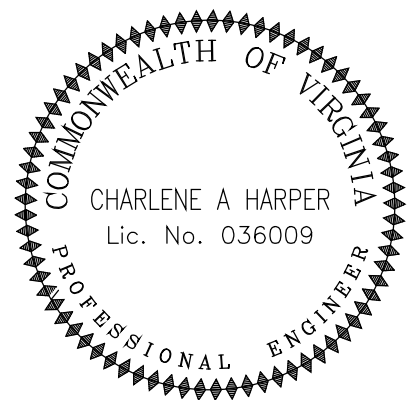
EXISTING 12' STREET LIGHT - 1 FC



EXISTING TALL COBRA LIGHT - 1 FC



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



## FULTON HILL - GREEN STREET

GOVERNMENT ROAD, RICHMOND, VA

### REVISIONS:


No.	Description	Date
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### LIGHTING EXHIBIT

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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# L6.00