

VIRGINIA RAILWAY EXPRESS

SHEET INDEX

SHEET NO.	DRAWING NO.	SHEET TITLE
	GENERAL	
1	T-001	COVER SHEET AND VICINITY MAP
2	G-001	GENERAL PLAN AND ELEVATION
3	G-002	EXISTING AND PROPOSED ELECTRICAL AND COMMUNICATION EQUIPMENT
4	G-003	PAY ITEM DESCRIPTION & QUANTITY SUMMARY (1 OF 2)
5	G-004	PAY ITEM DESCRIPTION & QUANTITY SUMMARY (2 OF 2)

I. PLATFORM EXTENSION

	CIVIL PLANS	
6	C-001	FAIRFAX COUNTY MINOR SITE PLAN COVER SHEET
7	C-002	CIVIL ABBREVIATIONS, LEGEND AND NOTES
8	C-101	EXISTING CONDITIONS AND DEMOLITION PLAN
9	C-201	SITE PLAN
10	C-301	EROSION AND SEDIMENT CONTROL PHASE 1
11	C-302	EROSION AND SEDIMENT CONTROL PHASE 2
12	C-303	EROSION AND SEDIMENT CONTROL AND SITE DETAILS
13	C-304	EROSION AND SEDIMENT CONTROL NARRATIVE
14	C-401	SWM, OUTFALL AND BMP ANALYSIS
15	C-500	SITE DETAILS
16	C-601	SUGGESTED SEQUENCE OF CONSTRUCTION

	ARCHITECTURAL	
17	A-001	ARCHITECTURAL ABBREVIATIONS AND SYMBOLS
18	A-111	KEY PLAN
19	A-112	NEW PLATFORM PLAN
20	A-113	NEW CANOPY & REFLECTED CEILING PLAN
21	A-201	NEW ELEVATIONS
22	A-301	NEW SECTIONS
23	A-451	RAILING DETAILS
24	A-452	DRAINAGE DETAILS

	STRUCTURAL	
25	S-001	STRUCTURAL NOTES
26	S-101	FOUNDATION PLAN
27	S-201	PLATFORM PLAN
28	S-301	CANOPY FRAMING PLAN AND DETAILS
29	S-302	PLATFORM AND CANOPY DETAILS
30	S-303	BORING LOGS I
31	S-304	BORING LOGS II

	ELECTRICAL AND COMMUNICATION	
32	E-001	ELECTRICAL SYMBOLS, ABBREVIATIONS & NOTES
33	E-111	ELECTRICAL SITE PLAN
34	E-112	PLATFORM - POWER AND LIGHTING
35	E-501	ELECTRICAL DETAILS
36	E-502	ELECTRICAL DETAILS
37	E-601	ELECTRICAL SCHEDULES

II. EXISTING PLATFORM REHABILITATION

	ARCHITECTURAL	
38	A-112 R	EXISTING PLATFORM REHABILITATION PLAN
39	A-113 R	EXISTING CANOPY AND REFLECTED CEILING REHABILITATION DETAILS
40	A-301 R	EXISTING CANOPY SECTION AND REHABILITATION DETAILS
41	A-451 R	EXISTING STAIR AND RAIL REHABILITATION DETAIL
42	A-801 R	SIGNAGE PLAN
43	A-802 R	STATION AND FACILITIES SIGNAGE
44	A-803 R	SIGN SCHEDULE
45	A-804 R	EXIT AND FARE NOTIFICATION
46	A-805 R	STATION NAME AND PROHIBITIONS
47	A-806 R	PLATFORM NOTICE & INFORMATION
48	A-807 R	SQUARE TUBE SIGN POST (1 OF 2)
49	A-808 R	SQUARE TUBE SIGN POST (2 OF 2)

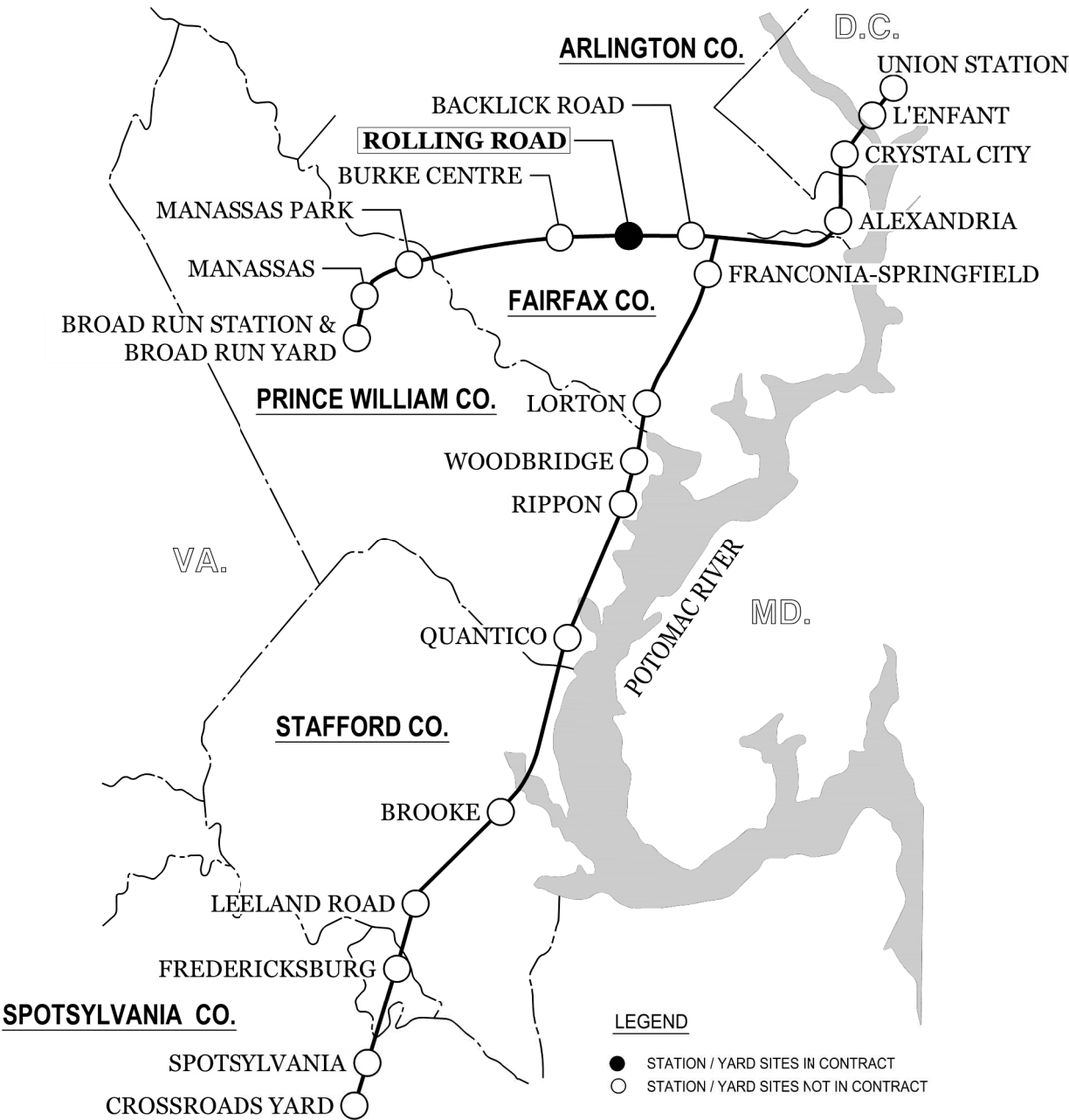
	ELECTRICAL AND COMMUNICATION	
50	E-112 R	PLATFORM-ELECTRICAL REHABILITATION PLAN
51	E-113 R	COMMUNICATIONS REHABILITATION DETAILS

III. HISTORICAL/REFERENCE DRAWINGS (NOT-IN-CONTRACT)

20 SHEETS TOTAL

NORTHERN VIRGINIA TRANSPORTATION COMMISSION POTOMAC AND RAPPAHANNOCK TRANSPORTATION COMMISSION

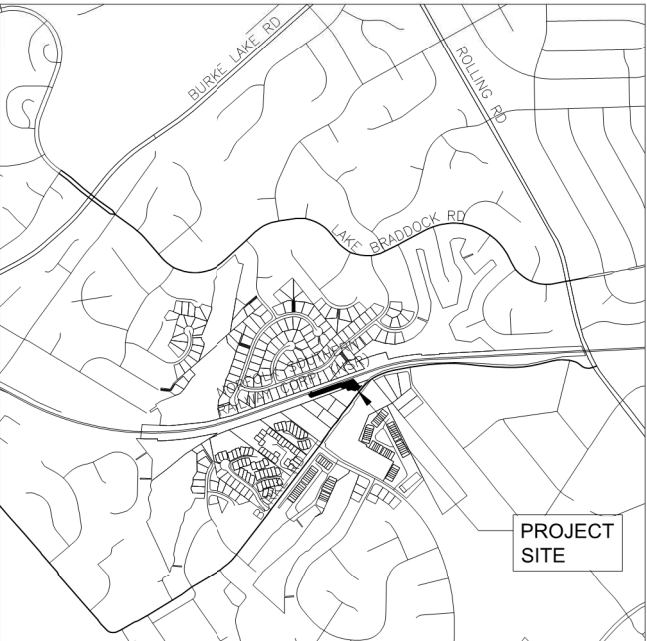
ROLLING ROAD STATION IMPROVEMENTS



SYSTEM AREA MAP

NTS

LEGEND	
●	STATION / YARD SITES IN CONTRACT
○	STATION / YARD SITES NOT IN CONTRACT



VICINITY MAP

NTS
ADDRESS: 9016 BURKE ROAD
BURKE VA, 22015

RAILROAD LOCATION INFORMATION

HOST RAILROAD: NORFOLK SOUTHERN
DIVISION: HARRISBURG
SUBDIVISION/DISTRICT: WASHINGTON
MILEPOST: 19.1

NEAREST GRADE CROSSING:

FRA# 714341S AT MP 26.8
MAIN STREET, CLIFTON, VA



	APPROVED BY VRE	REV.NO.	DATE	BY	APP BY	DESCRIPTION	DESIGNED BY: KAF			 Dewberry Engineers Inc. 8401 ARLINGTON BLVD. FAIRFAX, VA 22031 PHONE: 703.849.0100 FAX: 703.849.0118	ROLLING ROAD STATION IMPROVEMENTS	IFB NO: 021-005
		0	08/14/2020			INVITATION FOR BID	DRAWN BY: KAF				DRAWING NO: T-001	
	APPROVED BY COUNTY						CHECKED BY: TCC				SCALE: AS NOTED	
							DATE: 08-14-2020				SHEET NO: 1 OF 51	

0.23 Ac.
D.B. 23854 Pg. 556
ZONED: R-3C
MAP# 0782-15-0011

0.22 Ac.
D.B. 07014 Pg. 969
ZONED: R-3C
MAP# 0782-15-0012

0.23 Ac.
D.B. 13051 Pg. 1748
ZONED: R-3C
MAP# 0782-15-0013

0.24 Ac.
D.B. 2467 Pg. 1221
ZONED: R-3C
MAP# 0782-15-0014

0.33 Ac.
D.B. 16277 Pg. 1200
ZONED: R-3C
MAP# 0782-15-0016

0.24 Ac.
D.B. 21170 Pg. 1043
ZONED: R-3C
MAP# 0782-15-0019

ALL WORK SOUTH OF
THIS LINE SHALL BE
CONSIDERED REHABILITATION.


17.57 Ac.
Map# 0782-01-0047

NOTE:
SEE ARCHITECTURAL SHEET A-112R FOR FULL
SCOPE OF EXISTING PLATFORM AND CANOPY
REHABILITATION.

LIMITS OF PLATFORM EXTENSION

 LIMITS OF EXISTING PLATFORM DEMO. PLATFORM CANOPY

SCALE IN FEET
1" = 20'



A horizontal scale bar divided into four equal segments. The first and third segments are black, while the second and fourth segments are white. Below the bar, a bracket spans the length of the first two segments, with the text "1 INCH" centered underneath.



VCS-83

AREMA CLEARANCE ENVELOPE PER AREMA FIGURE 28-1-1 (TYP.)

13'-4"

6'-8"

9'-0"

9'-0"

6'-8"

9'-3"

12

7

12

7

METAL ROOF DECK

ROOF METAL GUTTER

3'-11" CLEAR

5'-4" CLEAR

LIGHT

DOWN SPOUT

GUARDRAIL CONTINUOUS ACROSS FULL LENGTH OF PROPOSED PLATFORM

4'-0"

3'-6"

6'-0"

8'-0" MIN.

PAINTED AESS STEEL TUBES

CENTERLINE OF TRACK

CONCRETE PLATFORM SLAB

2 TACTILE SAFETY STRIP RECESSED INTO PLATFORM

6'-0"

1/8" FT SLOPE DN.

BALLAST (BEYOND)

1'-6" MIN.


3'-0"

DRILLED SHAFT

EXISTING FIBER (UGT)

FROM T.O. RAIL TO T.O. PLATFORM


SCALE IN FEET
1" = 5'



A horizontal scale bar divided into two equal segments. The left segment is black and the right segment is white. Below the bar, a bracket spans the entire length, with the text "1 INCH" centered underneath.

GENERAL PLAN (OVERALL STATION)

SCALE IN FEET
1" = 40'



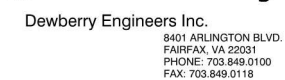
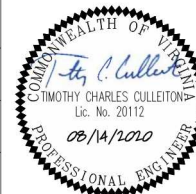
A horizontal scale bar divided into four equal segments. The first and third segments are black, while the second and fourth segments are white. Below the bar, a bracket spans the entire length of the four segments, with the text "1 INCH" centered underneath it.



VCS-83

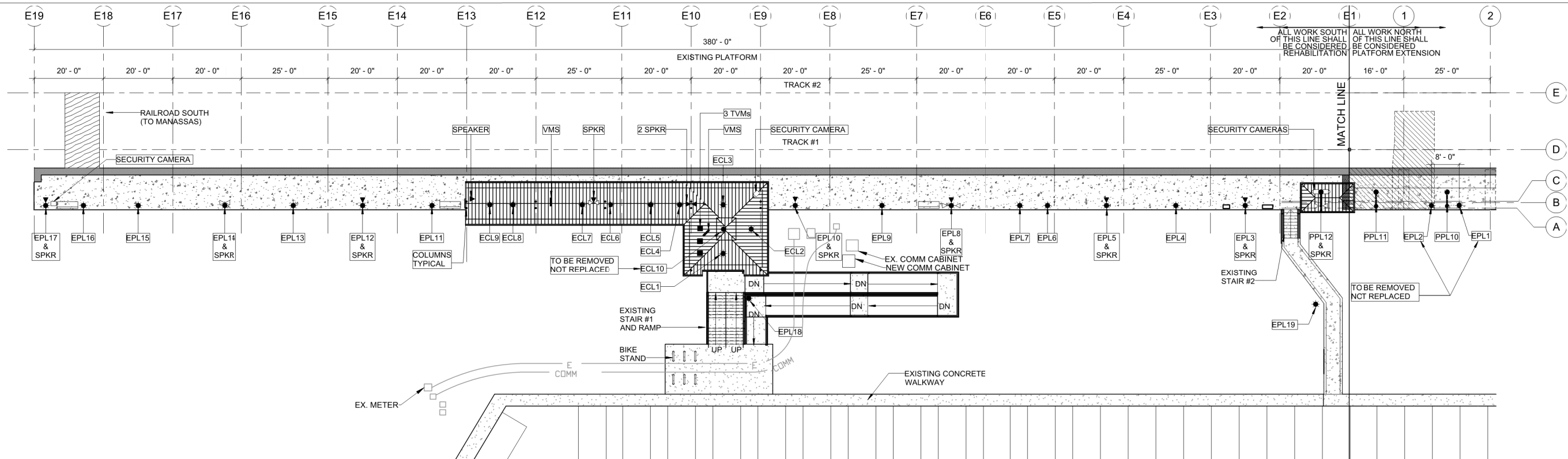
APPROVED BY VRE		REV.NO.	DATE	BY	APP BY	DESCRIPTION
	0	08/14/2020				INVITATION FOR BID
APPROVED BY COUNTY						

DATE:	08-14-2020
-------	------------

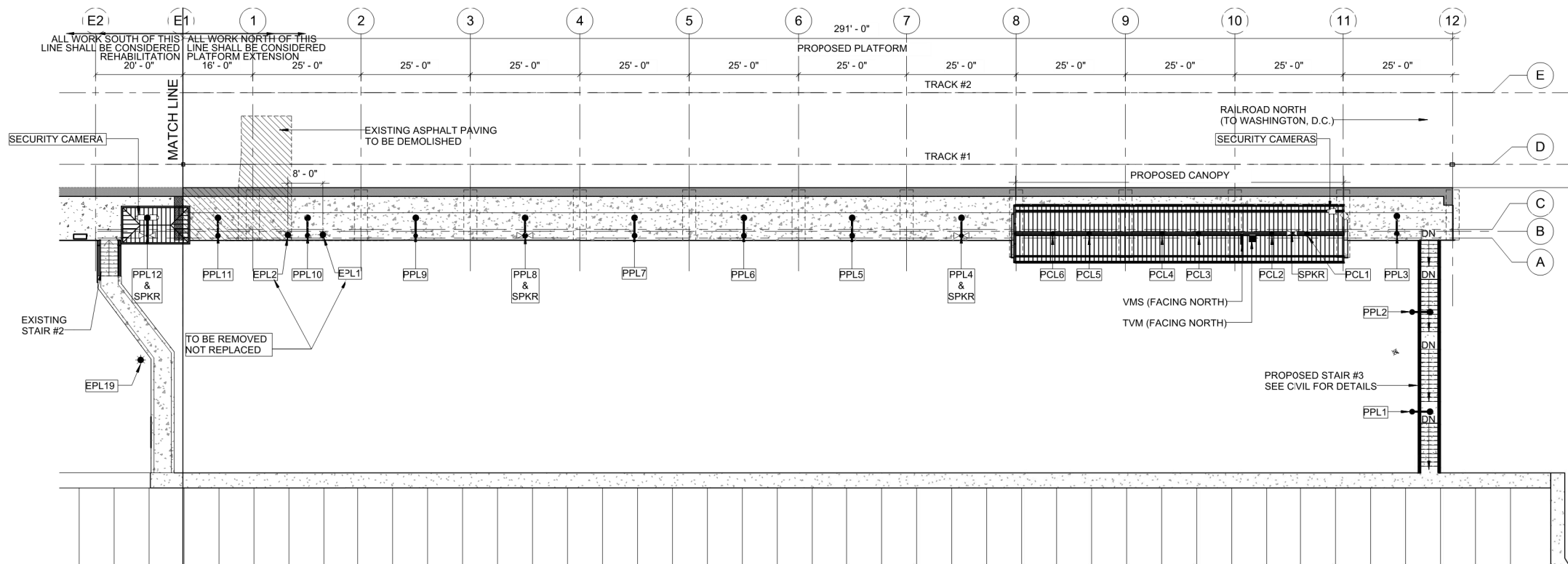


GENERAL PLAN AND ELEVATION

SHEET NO: 2 OF 51



1 KEY PLAN EXISTING
Scale: 1/16" = 1'-0"



2 KEY PLAN PROPOSED
Scale: 1/16" = 1'-0"

LEGEND	QUANTITY	
	EXISTING	PROPOSED
EPL - EXISTING POLE LIGHT	19	17
ECL - EXISTING CANOPY LIGHT	10	9
SPEAKER - EXISTING	9	-
TVM	3	4
VMS	2	3
PPL - PROPOSED POLE LIGHT	-	12
PPL - PROPOSED CANOPY LIGHT	-	6
PROPOSED COLUMN LINE	-	12
EXISTING COLUMN LINE	19	-
SPEAKER - PROPOSED	-	14
SECURITY CAMERA	-	6

- VRE WILL BE RESPONSIBLE FOR FURNISHING AND CONNECTING VARIABLE MESSAGE SIGNS (VMS), TICKET VENDING MACHINES (TVM) AND SECURITY CAMERAS.
- VRE WILL BE RESPONSIBLE FOR PROVIDING THE NEW COMMUNICATION CABINET FOR THE CONTRACTOR TO INSTALL.
- THE CONTRACTOR SHALL PROVIDE JUNCTION BOX FOR POWER AND COMMUNICATION CONNECTION OF VMS SIGNAGE MOUNTED TO CANOPY AND ROUTE NEW CONDUIT TO EACH LOCATION.
- THE CONTRACTOR SHALL EXTEND CONDUIT AND PENETRATE PLATFORM FOR TVM POWER AND COMMUNICATION; PROVIDE JUNCTION BOX MOUNTED FOR TVM CONNECTION.
- CONTRACTOR SHALL EXTEND CONDUIT FOR POWER AND COMMUNICATION TO PROPOSED CAMERA LOCATIONS, TERMINATE IN A JUNCTION BOX MOUNTED ON THE CANOPY.

APPROVED BY VRE	REV. NO.	DATE	BY	APP BY	DESCRIPTION	DESIGNED BY:				ROLLING ROAD STATION IMPROVEMENTS EXISTING AND PROPOSED ELECTRICAL & COMMUNICATION EQUIPMENT	IFB NO:	021-005
	0	08/14/2020			INVITATION FOR BID	DRAWN BY:					DRAWING NO:	G-002
						CHECKED BY:					SCALE:	AS NOTED
	APPROVED BY COUNTY					DATE:					SHEET NO:	3 OF 51




PAY ITEM DESCRIPTION & ESTIMATED QUANTITY SUMMARY

NOTE: THE MEASUREMENT AND PAYMENT FOR EACH ITEM WILL INCLUDE, BUT MAY NOT BE LIMITED TO, ANY LABOR, MATERIALS, TOOLS, EQUIPMENT, AND INCIDENTALS NECESSARY TO COMPLETE THE WORK PER THE CONTRACT DRAWINGS AND REFERENCED SPECIFICATION SECTION(S) FOR THAT ITEM.

TABLE 1: SUMMARY OF ESTIMATED QUANTITIES AND PAY ITEM DESCRIPTIONS

	PAY ITEM NUMBER	VRE ITEM CODE(S)	PAY ITEM	EST. QTY.	UNIT	PAY ITEM DESCRIPTION	METHOD OF MEASUREMENT AND PAYMENT	REFERENCE TECHNICAL SPECIFICATION SECTION	
GENERAL BID ITEMS	1	04.00.0001	MOBILIZATION	1	LS	MOBILIZATION SHALL CONSIST OF PERFORMING PRELIMINARY OPERATIONS, INCLUDING MOVING PERSONNEL AND EQUIPMENT TO THE PROJECT SITE; PAYING BONDS AND INSURANCE PREMIUMS; FIELD VERIFYING EXISTING CONDITIONS; OBTAINING ALL NECESSARY PERMITS; AND FINAL CLEANING OF THE PLATFORM RAILINGS, LIGHTING, AND EQUIPMENT.	NO MEASUREMENT SHALL BE MADE BY THE CONSTRUCTION MANAGER. MOBILIZATION WILL BE PAID FOR AT THE CONTRACT LUMP SUM PRICE. THIS PRICE SHALL INCLUDE DEMOBILIZATION.	01 29 00 01 77 00	
	2	04.00.0002	GENERAL CONDITIONS	12	MONTHS	GENERAL CONDITIONS SHALL CONSIST OF ALL ITEMS PERTINENT TO THE WORK THAT CAN NOT BE ASSIGNED TO OTHER PAY ITEMS OR MOBILIZATION, INCLUDING SUCH ITEMS BUT NOT LIMITED TO PROJECT MANAGEMENT AND COORDINATION; CONSTRUCTION PROGRESS DOCUMENTATION; HOST RAILROAD COORDINATION; SITE SAFETY AND SECURITY; QUALITY ASSURANCE AND QUALITY CONTROL; PROJECT EXECUTION; PROJECT CLOSEOUT; TEMPORARY FIELD OFFICE INCLUDING ITS THE FURNISHINGS, EQUIPMENT, AND UTILITIES; AND PREPARATION OF AS-BUILT DRAWINGS.	GENERAL CONDITIONS SHALL BE MEASURED IN MONTHS OF CONTRACT DURATION AND WILL BE PAID AT THE CONTRACT UNIT PRICE PER MONTH.	01 31 00 01 32 00 01 35 13 01 35 23	01 40 00 01 50 00 01 73 00 01 77 00
	3	04.40.4001	EROSION AND SEDIMENT CONTROL	0.72	ACRE	EROSION AND SEDIMENT CONTROLS SHALL INCLUDE THE INSTALLATION AND MAINTENANCE, AS REQUIRED AND/OR DIRECTED BY THE COUNTY INSPECTOR DURING CONSTRUCTION, OF TEMPORARY STONE CONSTRUCTION ENTRANCE, SILT FENCE, SUPER SILT FENCE, TEMPORARY SEEDING, STABILIZATION MATERIALS AND SAFETY FENCE. EROSION AND SEDIMENTATION CONTROL SHALL ALSO INCLUDE REMOVAL OF THE EROSION AND SEDIMENT CONTROL MEASURES PRIOR TO THE COMPLETION OF CONSTRUCTION AND STABILIZATION OF ALL AREA DISTURBED WITH CONSTRUCTION WITH PERMANENT SEED AND A HEALTHY STAND OF GRASS COVER AS DETERMINED BY THE CONSTRUCTION MANAGER.	EROSION AND SEDIMENTATION CONTROL SHALL BE MEASURED AT THE CONTRACT UNIT PRICE PER ACRE OF DISTURBANCE WITHIN THE LIMITS OF CLEARING AND GRADING AS DEFINED BY THE PLANS. EROSION AND SEDIMENTATION CONTROL WILL BE PAID AT THE CONTRACT UNIT PRICE PER ACRE OF DISTURBANCE.	31 10 20 32 92 00	
	4	04.40.4002	SITework	1	LS	SITE WORK SHALL INCLUDE CLEARING AND GRUBBING; TREE REMOVAL; EXISTING CONCRETE PLATFORM, RAILING, LIGHT STRUCTURE, SIGN, PIER CAP AND CANOPY DEMOLITION; EARTHWORK INCLUDING EXCAVATION, GRADING, SUBBASE MATERIAL, BACKFILLING, AND TESTING NECESSARY FOR PROPOSED CONSTRUCTION; ALLAYING OF DUST; TREE AND PLANT PROTECTION; TIMBER TIES, COMPOSITE DECKING AND FABRICATING HARDWARE TO FURNISH A COMPLETE TIMBER CROSSING; REMOVAL OF EXISTING DETERIORATED CONCRETE SIDEWALK; SIDEWALK CONSTRUCTION INCLUDING SETTING FORMS, PLACING CONCRETE, FINISHING, CONSTRUCTING JOINTS, CURING AND PROTECTION; AND LEGALLY DISPOSING OF CLEARED AND GRUBBED MATERIAL, DEMOLITION MATERIAL AND EXCESS OR UNSUITABLE MATERIAL.	NO MEASUREMENT SHALL BE MADE BY THE CONSTRUCTION MANAGER. SITE WORK WILL BE PAID FOR AT THE CONTRACT LUMP SUM PRICE.	02 41 19 03 30 00 06 13 53	31 10 00 31 20 00 31 23 19 32 13 13
	5	04.00.0005	UTILITY PROTECTION	1	LS	UTILITY PROTECTION SHALL INCLUDE IDENTIFYING AND LOCATING ALL EXISTING UTILITIES WITHIN THE LIMITS OF WORK; TEST PITTING UTILITIES; DISCONNECTING UTILITIES TO BE DEMOLISHED; AND PROTECTING UTILITIES TO REMAIN AS REQUIRED FOR THE EXECUTION OF THE WORK.	NO MEASUREMENT SHALL BE MADE BY THE CONSTRUCTION MANAGER. UTILITY PROTECTION WILL BE PAID FOR AT THE CONTRACT LUMP SUM PRICE.		
EXTENSION BID ITEMS	6	04.20.2001	PRECAST PLATFORM	3800	SF	PRECAST PLATFORM SHALL INCLUDE FURNISHING AND PLACING PRECAST CONCRETE PANELS; FILLING WITH NON-SHRINK GROUT AT THE CONNECTION OF THE CANOPY FRAME; SEALING EXPOSED PORTIONS OF CONCRETE; SEALING OF CONCRETE JOINTS; THE BLACK VINYL COATED CHAINLINK FABRIC AND SUPPORT POSTS BETWEEN THE BOTTOM OF THE PRECAST CONCRETE PANELS OF THE PLATFORM EXTENSION AND THE PROPOSED/EXISTING GRADE; PLATFORM GUARDRAIL AND MOUNTING HARDWARE (BENT PLATE, EXPANSION BOLTS AND NEOPRENE PAD), GROUNDING AND PAINTING OF THE GUARDRAIL; SURFACE APPLIED DETECTABLE TACTILE WARNING SURFACE ALONG THE EDGE OF THE PLATFORM; SUBMISSION OF A PDF PROOF OF SIGN ARTWORK AND METHODS OF MOUNTING FOR VRE APPROVAL PRIOR TO FABRICATION; FABRICATION OF ALL SIGNS; PROVISION OF ALL MOUNTING HARDWARE AND SIGNAGE INSTALLATION	PRECAST PLATFORM SHALL BE MEASURED IN SQUARE FEET OF PRECAST CONCRETE PANEL, IN ACCORDANCE WITH THE NEAT LINES SHOWN ON THE PLANS, 2' x 3' CUTOUTS WILL NOT BE DEDUCTED. PLATFORM WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE FOOT.	03 41 00 05 50 00 05 52 13 07 92 00	09 10 00 09 90 00 10 14 00
	7	04.20.2003	CONCRETE CAPS	42	CY	CONCRETE CAPS SHALL INCLUDE CAP BEAM CONCRETE, REINFORCING STEEL, BEARING PAD, BASE PLATE AND ANCHOR BOLTS; INSTALLING/REMOVING FORMWORK; FINISHING; CURING AND PROTECTION.	CONCRETE CAPS SHALL BE MEASURED IN CUBIC YARDS OF CONCRETE IN ACCORDANCE WITH THE NEAT LINES SHOWN ON THE PLANS. CAST-IN-PLACE CONCRETE WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER CUBIC YARD UPON TESTING VERIFICATION THAT THE REQUIRED COMPRESSIVE STRENGTH HAS BEEN MET.	03 30 00 07 92 00	
	8	04.20.2004	DRILLED SHAFTS	340	VLF	DRILLED SHAFTS SHALL INCLUDE PROVIDING ACCESS FOR DRILLING EQUIPMENT; EARTHWORK; INSTALLATION AND REMOVAL OF TEMPORARY SHCRING; DRILLING; FURNISHING AND INSTALLING CASING; PREPARING THE HOLE; CAST-IN-PLACE CONCRETE; AND REINFORCING STEEL.	DRILLED SHAFTS SHALL BE MEASURED IN VERTICAL LINEAR FEET OF SHAFT FROM THE BOTTOM OF CAP BEAM, TO THE BOTTOM OF THE FINISHED HOLE, AS MEASURED ALONG THE CENTERLINE OF THE HOLE. DRILLED SHAFTS WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER VERTICAL LINEAR FOOT UPON TESTING VERIFICATION THAT THE REQUIRED COMPRESSIVE STRENGTH HAS BEEN MET.	03 30 00 31 50 00 31 63 29	
	9	04.20.2005	CANOPY	1005	SF	CANOPY SHALL INCLUDE METAL ROOF PANELS; SNOW GUARDS; GUTTERS; DOWNSPOUTS; FABRICATION; SHOP PAINTING; ERECTION OF STRUCTURAL STEEL SUPPORTS; CLEANING; AND FIELD PAINTING.	CANOPY SHALL BE MEASURED IN SQUARE FEET OF PLATFORM CANOPY COVER IN ACCORDANCE WITH THE PLAN VIEW NEAT LINES SHOWN ON THE PLANS. CANOPY WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE FOOT.	05 12 00 07 41 13 07 62 00	05 12 13 07 60 00 09 90 00
	10	04.20.2009	STAIRS ON GRADE	216	SF	STAIRS ON GRADE SHALL INCLUDE EARTH WORK, SETTING FORMS, PLACING CONCRETE, REINFORCING STEEL, FINISHING, HANDRAIL, CONSTRUCTING JOINTS, JOINT SEALANT, CURING AND PROTECTION.	STAIRS ON GRADE WILL BE MEASURED IN SQUARE FEET OF PROJECTED TREAD AREA AND WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE FOOT OF PROJECTED TREAD AREA.	03 30 00 03 41 00 07 92 00	
	11	04.20.2011	ELECTRICAL AND LIGHTING	1	LS	ELECTRICAL AND LIGHTING SHALL INCLUDE POLE MOUNTED LUMINAIRE BODY, REFRACTORS, BALLASTS, SOCKETS WITH LAMP, CONDUCTOR CABLES TO THE TERMINI AT THE BASE, POLE, POLE BASE AND ANCHORS; CANOPY LIGHT LUMINAIRE BODY, REFRACTORS, BALLASTS, SOCKETS WITH LAMPS PENDANT MOUNTING HARDWARE; PHOTOELECTRIC CONTROLS AND SOCKETS; GROUNDING; ADJUSTMENT AND TESTING; ALL ELECTRICAL CONDUIT (RACEWAYS), CONDUCTOR AND BOXES TO ALL ELECTRICAL EQUIPMENT INCLUDING LIGHTS, VMS, TVM, AND CAMERAS.	NO MEASUREMENT WILL BE MADE BY THE CONSTRUCTION MANAGER. ELECTRICAL AND LIGHTING WILL BE PAID FOR AT THE CONTRACT LUMP SUM PRICE.	26 05 19 26 05 33 26 50 00	
	12	04.20.2012	COMMUNICATIONS	1	LS	COMMUNICATIONS SHALL INCLUDE SPEAKERS; WIRING AND MOUNTING OF SPEAKERS; ADJUSTMENTS AND TESTING AT THE LOCATIONS ALONG THE PLATFORM EXTENSION AS INDICATED ON THE PLANS. INCLUDE ALL CONDUIT (RACEWAYS), CONDUCTOR AND BOXES TO ALL COMMUNICATION EQUIPMENT INCLUDING CAMERAS, VMS, AND TVM.	NO MEASUREMENT WILL BE MADE BY THE CONSTRUCTION MANAGER. COMMUNICATIONS WILL BE PAID AT THE CONTRACT LUMP SUM PRICE.	26 05 19 26 05 33	

SEE DIVISION OF WORK NOTES ON SHEET G-004.

	APPROVED BY VRE	REV.NO.	DATE	BY	APP BY	DESCRIPTION	DESIGNED BY: KAF				ROLLING ROAD STATION IMPROVEMENTS	IFB NO: 021-005
		0	08/14/2020			INVITATION FOR BID	DRAWN BY: KAF					DRAWING NO: G-003
	APPROVED BY COUNTY						CHECKED BY: TCC				PAY ITEM DESCRIPTION & QUANTITY SUMMARY (1 OF 2)	SCALE: AS NOTED
							DATE: 08-14-2020					SHEET NO: 4 OF 51




PAY ITEM DESCRIPTION & ESTIMATED QUANTITY SUMMARY

NOTE: THE MEASUREMENT AND PAYMENT FOR EACH ITEM WILL INCLUDE, BUT MAY NOT BE LIMITED TO, ANY LABOR, MATERIALS, TOOLS, EQUIPMENT, AND INCIDENTALS NECESSARY TO COMPLETE THE WORK PER THE CONTRACT DRAWINGS AND REFERENCED SPECIFICATION SECTION(S) FOR THAT ITEM.

	PAY ITEM NUMBER	VRE ITEM CODE(S)	PAY ITEM	EST. QTY.	UNIT	PAY ITEM DESCRIPTION	METHOD OF MEASUREMENT AND PAYMENT	REFERENCE TECHNICAL SPECIFICATION SECTION	
REHABILITATION BID ITEMS	13	04.20.2014	PLATFORM REHABILITATION AND REPAIRS	460	SF	PLATFORM REHABILITATION AND REPAIRS SHALL INCLUDE SURFACE PREPARATION, CRACK REPAIR, PRIMING OF EXPOSED REINFORCING STEEL, AND CONCRETE PATCHING OF EXISTING STAIRS ON GRADE, RAMP AND PLATFORM. PRICE SHALL INCLUDE REMOVAL AND REPLACEMENT OF EXISTING STAIR NOSING WITH ALUMINUM STAIR NOSING AND PAINTING OF CONCRETE STAIR AND RAMP WALLS; PRESSURE WASHING OF ALL VISIBLE AREA OF EXISTING PLATFORM; SEALING OF CONCRETE JOINTS; RE-GROUTING UNDER BASE PLATES; HANDRAIL/GUARDRAIL REPAIR, CLEANING, AND PAINTING IN-PLACE; REMOVAL OF EXISTING SIGNAGE; SUBMISSION OF PDF PROOF OF SIGN ARTWORK AND METHODS OF MOUNTING FOR VRE APPROVAL PRIOR TO FABRIACATION; FABRICATION OF ALL SIGNS; PROVISION OF ALL MOUNTING HARDWARE AND SIGNAGE INSTALLATION ON THE EXISTING PLATFORM; REMOVAL AND DISPOSAL OF THE EXISTING TACTILE WARNING SURFACE AND FURNISHING AND INSTALLING SURFACE APPLIED DETECTABLE TACTILE WARNING SURFACE INCLUDING JOINT SEALANT ON ALL EDGES ALONG THE EDGE OF THE PLATFORM; REMOVAL AND DISPOSAL OF EXISITNG CHAIN LINK FENCE FABRIC BELOW THE EXISTING PLATFORM TO EXISTING GRADE AND INSTALLATION OF NEW BLACK VINYL COATED CHAIN LINK FENCE FABRIC AS DETAILED ON THE PLANS. EXISTING SUPPORT POSTS TO BE REUSED NOT REPLACED.	PLATFORM REHABILITATION AND REPAIRS WILL BE MEASURED IN SQUARE FEET OF CONCRETE SURFACE AREA SUBJECT TO REPAIR AS FIELD MEASURED BY THE CONSTRUCTION MANAGER, AND WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE FOOT.	05 50 00 05 12 13 05 55 01 07 92 00	09 10 00 09 99 00 10 14 00 31 33 00
	14	04.20.2013	EXISTING CANOPY REHABILITATION	1380	SF	EXISTING CANOPY REHABILITATION SHALL INCLUDE REMOVAL THE EXISTING CANOPY ROOF AND REPLACEMENT WITH A NEW METAL PANEL ROOF SYSTEM; SNOW GUARDS; GUTTERS; DOWNSPOUTS; SURFACE PREPARATION, PRIMING AND REPAINTING OF ALL EXPOSED EXIST NG CANOPY STRUCTURAL STEEL.; AND SHALL INCLUDE LEGAL DISPOSAL OF EXISTING ROOFING.	EXISTING CANOPY REHABILITATION SHALL BE MEASURED IN SQUARE FEET OF METAL ROOF PANEL IN ACCORDANCE WITH THE NEAT LINES SHOWN ON THE PLANS AND WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE FOOT.	05 12 00 07 41 13 07 62 00	05 12 13 07 60 00 09 90 00
	15	04.20.2009	STAIRS ON GRADE REPLACEMENT	210	SF	STAIRS ON GRADE REPLACEMENT SHALL INCLUDE STAIR #1 DEMOLITION, FURNISHING AND REPLACING A NEW PRECAST STAIR AND HANDRAIL, SEALING EXPOSED PORTIONS OF CONCRETE, AND SEALING OF CONCRETE JOINTS. STAIRS ON GRADE REPLACEMENT SHALL ALSO INCLUDE MAINTAINING TWO POINTS OF ACCESS, ONE OF WHICH IS ADA COMPLIANT, AT ALL TIMES DURING STAIR DEMOLITION AND REPLACEMENT.	STAIRS ON GRADE REPLACEMENT WILL BE MEASURED IN SQUARE FEET OF PROJECTED TREAD AREA AND WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE FOOT OF PROJECTED TREAD AREA.	03 41 00 07 92 00	
	16	04.20.2011	ELECTRICAL AND LIGHTING REHABILITATION	1	LS	ELECTRICAL AND LIGHTING REHABILITATION INCLUDES REMOVAL AND DISPOSAL OF ALL EXISTING POLE MOUNTED AND PENDANT LIGHTS, MOUNTING HARDWARE, CONDUIT AND CONDUCTORS, PATCHING EXISTING CONCRETE, AND INSTALLATION OF POLE MOUNTED LUMINAIRE BODY, CANOPY MOUNTED LUMINAIRE BODY; REFRACTORS, BALLASTS, SOCKETS WITH LAMP; CONDUCTOR CABLES TO THE TERMINI AT THE BASE; POLE, PENDANT MOUNTING HARDWARE; POLE BASE AND ANCHORS; PHOTOELECTRIC CONTROLS AND SOCKETS; GROUNDING; ADJUSTMENTS AND TESTING; REMOVAL AND REPLACEMENT OF ELECTRICAL PANEL AND ALL ELECTRICAL PANEL CONDUIT (RACEWAYS), CONDUCTOR, AND BOXES TO ALL EXISTING ELECTRICAL EQUIPMENT INCLUDING LIGHTS, VMS, AND TVM.	NO MEASUREMENT WILL BE MADE BY THE CONSTRUCTION MANAGER. ELECTRICAL AND LIGHTING REHABILITATION WILL BE PAID AT THE CONTRACT LUMP SUM PRICE.	26 05 19 26 05 33 26 50 00	
	17	04.20.2012	COMMUNICATION REHABILITATION	1	LS	COMMUNICATION REHABILITATION SHALL INCLUDE REMOVAL AND DISPOSAL OF EXISTING SPEAKERS AND SPEAKER WIRE; NEW SPEAKERS, MOUNTING AND WIRING NEW SPEAKERS, ADJUSTMENT AND TESTING SPEAKERS AT THE LOCATIONS ALONG THE EXISTING PLATFORM AS INDICATED ON THE PLANS; REMOVAL AND REPLACEMENT OF ALL COMMUNICATION CONDUIT (RACEWAYS), CONDUCTOR, AND BOXES TO ALL COMMUNICATION EQUIPMENT INCLUDING CAMERAS, VMS, TVM AND SPEAKERS; AND SHALL INCLUDE PLACEMENT OF NEW COMMUNICATION CABINET SUPPORT PAD AND SETTING NEW CABINET.	NO MEASUREMENT WILL BE MADE BY THE CONSTRUCTION MANAGER. COMMUNICATION REHABILITATION WILL BE PAID AT THE CONTRACT LUMP SUM PRICE.	26 05 19 26 05 33	

DIVISION OF WORK NOTES

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CONSTRUCTION AND REGULATORY PERMITS; CODE AND REGULATORY AGENCY INSPECTIONS AND COMPLIANCE; COORDINATING WITH PRIVATE UTILITY COMPANIES; COORDINATING WITH VRE DEPARTMENTS THAT WILL BE IMPACTED BY THE PROJECT; AND ALL CONSTRUCTION ACTIVITIES, EXCEPT THOSE SPECIFICALLY INDICATED TO BE THE RESPONSIBILITY OF OTHERS, REQUIRED TO COMPLETE THE WORK.
2. THE HOST RAILROAD, NORFOLK SOUTHERN RAILWAY (NSR), WILL PROVIDE EMPLOYEE-IN-CHARGE (EIC) FOR ALL FLAGGING UNDER FORCE ACCOUNT TO VRE. VRE WILL INITIALLY ARRANGE FOR THE EIC TO PROVIDE PROTECTION FOR THE PROJECT. ONCE ASSIGNED TO THE PROJECT, THE CONTRACTOR WILL BE RESPONSIBLE FOR COORDINATING THE DAILY SCHEDULE WITH THE EIC.
3. NSR WILL BE RESPONSIBLE FOR REMOVAL OF THE EXISTING ASPHALT CROSSING LOCATED AT THE NORTH END OF THE EXISTING PLATFORM.
4. VRE WILL BE RESPONSIBLE FOR FURNISHING AND CONNECTING VARIABLE MESSAGE SIGNS (VMS), TICKET VENDING MACHINES (TVM) AND SECURITY CAMERAS.
5. THE CONTRACTOR SHALL PROVIDE JUNCTION BOX FOR POWER AND COMMUNICATION CONNECTION OF VMS SIGNAGE MOUNTED TO CANOPY AND ROUTE NEW CONDUIT TO EACH LOCATION.
6. THE CONTRACTOR SHALL EXTEND CONDUIT AND PENETRATE PLATFORM FOR TVM POWER AND COMMUNICATION; PROVIDE JUNCTION BOX MOUNTED FOR TVM CONNECTION.
7. CONTRACTOR SHALL EXTEND CONDUIT FOR POWER AND COMMUNICATION TO PROPOSED CAMERA LOCATIONS, TERMINATE IN A JUNCTION BOX MOUNTED ON THE CANOPY.
8. VRE IS RESPONSIBLE FOR PROVIDING NEW COMMUNICATION CABINET FOR THE CONTRACTOR TO INSTALL.

	APPROVED BY VRE	REV.NO.	DATE	BY	APP BY	DESCRIPTION	DESIGNED BY:			 <div>Dewberry Engineers Inc. 8401 ARLINGTON BLVD. FAIRFAX, VA 22031 PHONE: 703.849.0100 FAX: 703.849.0118</div>	ROLLING ROAD STATION IMPROVEMENTS		IFB NO: 021-005
		0	08/14/2020			INVITATION FOR BID	DRAWN BY:				DRAWING NO: G-004		
							KAF						
	APPROVED BY COUNTY						CHECKED BY:				PAY ITEM DESCRIPTION & QUANTITY SUMMARY (2 OF 2)		
							TCC				SCALE: AS NOTED		
							DATE:				SHEET NO: 5 OF 51		
							08-14-2020						

PLAN APPROVAL INFORMATION

RELATED INFORMATION	REQUIRED	NOT REQUIRED	COUNTY I.D. NUMBER	COMMENTS/SHEET NO.
1. CONCURRENT PROCESSING		X		
2. MODIFIED PROCESSING		X		
3. MAXIMUM DENSITY ADJUSTMENTS BASED ON Z.O. 2-308		X		
4. AFFORDABLE DWELLING UNITS		X		
5. WORK FORCE UNITS		X		
6. R.P.A. DELINEATION		X		
7. FLOOD PLAIN STUDY		X		
8. DRAINAGE STUDY		X		
9. BATHYMETRIC SURVEY (SW-10)		X		
10. CHESAPEAKE BAY ACT EXCEPTION		X		
11. WATER QUALITY IMPACT ASSESSMENT		X		
12. SOILS REPORT		X		
13. ONSITE EASEMENTS		X		
14. OFFSITE EASEMENTS		X		
15. NOTARIZED LETTERS OF PERMISSION		X		
16. ARCHITECTURAL REVIEW BOARD APPROVAL		X		
17. RETURN PLAN TO B.O.S. PRIOR TO APPR.		X		
18. RETURN PLAN TO P.C. PRIOR TO APPR.		X		
19. ADJACENT PROPERTY OWNER NOTICES		X		
20. OFFSITE UTILITY WORK NOTICES		X		
21. MAJOR UNDERGROUND UTILITY NOTICES		X		
22. REZONING/SPECIAL EXCEPTION/SPECIAL PERMIT APPROVAL		X		
23. B.O.S./B.Z.A. CLERK LETTER/RESOLUTION		X		
24. REZONING PROFFERS/CONDITIONS		X		
25. REZONING DEVELOPMENT PLAN		X		
26. B.Z.A. VARIANCE APPROVAL		X		
27. WETLANDS/WATERS OF THE U.S. PERMIT		X		DATE SENT TO ACOE: PERMIT RECEIVED: PERMIT NO. DAM NAME: DAM NO. DATE CLOMR RECEIVED:
28. STATE REGULATED DAM PERMIT		X		
29. LOCATED IN DAM BREAK INUNDATION ZONE (STATE REGULATED DAMS) 2 EXTRA PLAN SETS REQUIRED		X		
30. FEMA LETTER OF MAP REVISION		X		
31. VEGETATED ROOF NOTE		X		
32. OVERLAY DISTRICT INFORMATION		X		
33. TREE BANKING		X		
34. TREE FUND		X		
35. GREEN PROJECT CERTIFICATION FOR GREEN PRIORITY PLAN REVIEW		X		
36. STREET LIGHTS	X	X		
MODIFICATIONS/WAIVERS				
STORMWATER MODIFICATION WAIVER			8016-WSWD-001-1	APPROVED 4-20-2018, SEE SHEET 10 OF 12.

SANITARY SEWER INFORMATION

WASTEWATER TREATMENT PLANT: N/A
THIS SITE IS SUBJECT TO SANITARY SEWER REIMBURSEMENT CHARGES.
THIS SITE IS SERVED BY ONSITE SEWAGE TREATMENT SYSTEM(S).

INFORMATION REGARDING ACTIVITIES IN A RESOURCE PROTECTION AREA

ACTIVITY	YES/NO
CONSTRUCTION ACTIVITIES IN A RESOURCE PROTECTION AREA (IF YES, INDICATE TYPE BELOW)	NO
REDEVELOPMENT PRINCIPAL STRUCTURE	NO
REDEVELOPMENT ACCESSORY STRUCTURE	NO
PUBLIC ROADS	NO
PRIVATE ROADS	NO
DRIVEWAYS	NO
STORMWATER OUTFALL	NO
OTHER (INDICATE TYPE):	NO

TREE PRESERVATION

TREE PRESERVATION TARGET DEVIATIONS OR MODIFICATIONS ARE BEING REQUESTED.
YES ☐ NO ☒ N/A ☐

POTENTIAL FOR WETLANDS

IS THE DISTURBED AREA LOCATED IN A WETLANDS AREA DEPICTED ON THE NATIONAL WETLANDS INVENTORY MAP? YES ☐ NO ☒
IS THE DISTURBED AREA LOCATED IN AN ESTIMATED WETLANDS AREA DEPICTED ON THE COUNTY POTENTIAL WETLAND AREA MAP? YES ☐ NO ☒
IF YES, TO EITHER OF THE TWO QUESTIONS ABOVE, PROVIDE EVIDENCE OF APPROVED PERMIT OR VERIFICATION THAT NO PERMIT FROM THE ARMY CORPS OF ENGINEERS IS REQUIRED BEFORE PLAN IS APPROVED.

NOTES AND CONDITIONS

1. THE APPROVAL OF THESE PLANS SHALL IN NO WAY RELIEVE THE DEVELOPER OR HIS AGENT OF ANY LEGAL RESPONSIBILITIES WHICH MAY BE REQUIRED BY THE CODE OF VIRGINIA OR ANY ORDINANCE ENACTED BY THE COUNTY OF FAIRFAX.

2. THE DESIGN, CONSTRUCTION, FIELD PRACTICES, AND METHODS SHALL CONFORM TO THE REQUIREMENTS SET FORTH IN THE FAIRFAX COUNTY CODE AND IN THE PUBLIC FACILITIES MANUAL AS AMENDED. FAILURE TO COMPLY WITH THE FAIRFAX COUNTY CODE, THE PUBLIC FACILITIES MANUAL, THE APPROVED PLANS, AND THE PROVISIONS OF THE DEVELOPMENT AGREEMENT AND PERMIT SHALL BE DEEMED A VIOLATION.


3. WATER DISTRIBUTION NOTE: ALL FIRE PROTECTION SYSTEMS WHICH ARE INSTALLED IN COMPLIANCE WITH THESE PLANS AND COUNTY OF FAIRFAX ORDINANCES SHALL BE MAINTAINED IN AN OPERATIVE CONDITION AT ALL TIMES. WHEN NECESSARY TO TEMPORARILY REDUCE OR DISCONTINUE THE PROTECTION IN ORDER TO MAKE TESTS, REPAIRS, ALTERATIONS OR ADDITIONS, NOTIFY THE FAIRFAX COUNTY PUBLIC SAFETY COMMUNICATIONS CENTER AT 703-691-2131.

4. A PERMIT MUST BE OBTAINED FROM THE VIRGINIA DEPARTMENT OF TRANSPORTATION, NORTHERN VIRGINIA DISTRICT, BEFORE ANY CONSTRUCTION IS STARTED ON ANY EXISTING STATE ROUTE. CONTACT THE VIRGINIA DEPARTMENT OF TRANSPORTATION THREE WORKING DAYS BEFORE EXCAVATION IN ANY STATE RIGHT OF WAY AT 703-383-2888.

5. CONTRACTORS SHALL NOTIFY THE "MISS UTILITY" NOTIFICATION CENTER AT 1-800-552-7001 FOR ANY PROPOSED EXCAVATION, DEMOLITION, OR BLASTING AT LEAST TWO WORKING DAYS PRIOR TO COMMENCEMENT OF EXCAVATION DEMOLITION, OR BLASTING IN ACCORDANCE WITH THE VIRGINIA UNDERGROUND UTILITY DAMAGE PREVENTION ACT. IN ADDITION, NAMES AND TELEPHONE NUMBERS SHALL ALSO BE USED TO SERVE IN AN EMERGENCY CONDITION AS REQUIRED BY SECTION 63-2-2 OF THE FAIRFAX COUNTY CODE.

6. THE COUNTY INSPECTOR SHALL BE NOTIFIED WHEN ANY IMPROVEMENTS PERTINENT TO HIS INSPECTION DUTIES ARE BEING INSTALLED. SPECIFIC REQUIREMENTS ARE:
A. THE COUNTY SITE INSPECTOR IS TO BE NOTIFIED AT LEAST 3 DAYS PRIOR TO START OF CONSTRUCTION.
B. A MINIMUM OF 24 HOURS NOTICE IS REQUIRED WHEN REQUESTING RESIDENTIAL OR NON-RESIDENTIAL USE PERMITS.
C. A MINIMUM OF 48 HOURS NOTICE IS REQUIRED WHEN REQUESTING TESTS PERTAINING TO SANITARY SEWER ACCEPTANCE.

PROFESSIONAL SEAL AND SIGNATURE



DATE _____ DATE _____ DATE _____

ZONING REQUIREMENTS

1) ZONING R-1

2) AVERAGE LOT AREA NO REQUIREMENT (SQ. FT.)

3) MIN. LOT AREA 36,000 (SQ. FT.)

4) MIN. LOT WIDTH 150 (FT.)

5) MAX. BUILDING HEIGHT 60 (FT.)

6) NUMBER OF FLOORS N/A (Commercial/Industrial ONLY)

7) MIN. YARD REQUIREMENTS:
FRONT 40 (FT.) SIDE 20 (FT.) REAR 25 (FT.)

8) MAXIMUM FAR 0.15

9) MAXIMUM DENSITY 1.0 (D.U./AC.)

10) OPEN SPACE REQUIRED N/A % N/A (SQ. FT.)

11) ANGLE OF BULK PLANE: FRONT 50° SIDE 45° REAR 45° (DETAIL(S) ON SHEET ___)

12) OVERLAY DISTRICT(S) N.A.

SITE PLAN (SP) TABULATIONS

1) SITE AREA 0.72 (ACRES) 31,300 (SQ. FT.)

2) AREA OF STREET DEDICATION N/A (SQ. FT.)

3) USE COMMUTER RAIL STATION

4) NUMBER OF LO'S N/A

5) AREA OF LOTS N/A (SQ. FT.)

6) DENSITY N/A (D.U./AC.)

7) EXISTING BUILDING GROSS FLOOR AREA N/A (SQ. FT.)

8) PROPOSED BUILDING GROSS FLOOR AREA N/A (SQ. FT.)

9) EXISTING BUILDING NET FLOOR AREA N/A (SQ. FT.)

10) PROPOSED BUILDING NET FLOOR AREA N/A (SQ. FT.)

11) TOTAL FLOOR AREA RATIO (FAR) FOR ENTIRE SITE N/A

12) PROPOSED BUILDING HEIGHT N/A (FT.)

13) PROPOSED NUMBER OF FLOORS N/A COMMERCIAL/INDUSTRIAL ONLY

14) TOTAL HANDICAPPED PARKING REQUIRED N/A

15) TOTAL HANDICAPPED PARKING PROVIDED N/A

16) TOTAL HANDICAPPED VAN SPACES REQUIRED N/A

17) TOTAL HANDICAPPED VAN SPACES PROVIDED N/A

18) TOTAL PARKING SPACES REQUIRED N/A

19) TOTAL PARKING SPACES PROVIDED N/A

20) LOADING SPACES REQUIRED N/A

21) LOADING SPACES PROVIDED N/A

22) OPEN SPACE PROVIDED N/A % N/A (SQ. FT.)

STORMWATER INFORMATION

COUNTY STORMWATER PERMIT REQUIRED? YES ☒ NO ☐ VPDES PERMIT COVERAGE REQUIRED YES ☒ NO ☐

TECHNICAL CRITERIA 5 ☐ (OLD)

TIME LIMITS ☐ VPDES PERMIT NO. (IF TIME LIMITS): _____

GRANDFATHERED ☐ DEQ MEMO 14-2014 ☐

NEW DEVELOPMENT ☐ REDEVELOPMENT ☐

SWM FACILITIES DESIGNED USING:

TECHNICAL CRITERIA 4 ☒ (NEW)

TYPE OF DEVELOPMENT: NEW DEVELOPMENT ☐ REDEVELOPMENT ☐

NEW+REDEVELOPMENT (i.e. REDEVELOPMENT WITH A NET INCREASE IN IMPERVIOUS AREA) ☒

WATER QUALITY OPTION: NONE ☐

NON-POINT NUTRIENT CREDITS ☐ COMPREHENSIVE SWM PLAN ☐

OFF-SITE FACILITY ☒ EXISTING ONSITE FACILITY ☐

FACILITY ID NO.	FACILITY TYPE	PURPOSE (QUALITY/ QUANTITY)	AREA TREATED (ACRES)	LATITUDE (DECIMAL DEGREE)	LONGITUDE (DECIMAL DEGREE)	WATERSHED	RECEIVING WATERS	MAINTENANCE AGREEMENT Y/N	VAHU6 CODE	LENGTH/ AREA OF FACILITY	UNIT (FT/ SF)	NO. OF BLDG. SERVED (FOR ROOFTOP DISCONNECT)

DISTURBED AREA (DA) WITHIN WATERSHED(S):

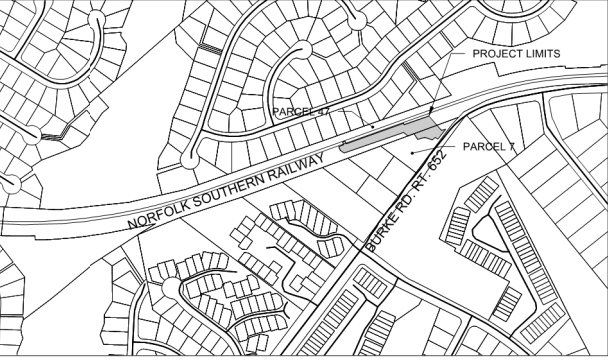
WATERSHED 1 POHICK DA= 0.72 (ACRES)

WATERSHED 2 DA= (ACRES)

TOTAL DISTURBED AREA= 0.72 (ACRES)

VICINITY MAP

SCALE: 1" = 500'



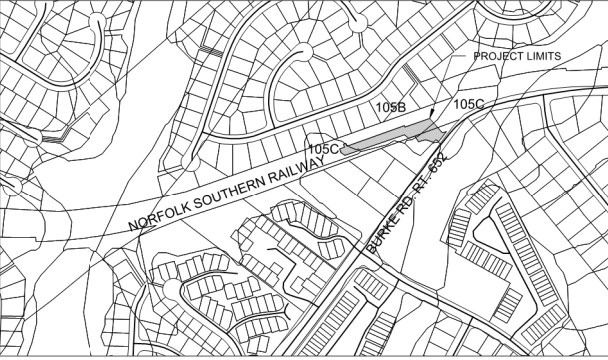
SIDEWALK MAINTENANCE: XXXX-VDOT, 0000-FFX CO
TRAIL MAINTENANCE: 0000-FFX CO
ALL OTHER WALKS/TRAILS TO BE OWNER MAINTAINED

TAX MAP REFERENCE NUMBER(S)

MAP PAGE #	DOUBLE CIRCLE #	BLOCK (SINGLE CIRCLE #)	LOT/PARCEL(S) #
78-2	1		47, 7

COUNTY SOILS MAP DATA

SCALE: 1" = 500'



ENGINEER'S/SURVEYOR'S CERTIFICATE:

THIS PROPERTY IS IN THE NAME OF SOUTHERN RAILWAY/FAIRFAX BOARD OF SUPERVISORS

AS RECORDED IN DEED BOOK 7097 PAGE 236 OF THE LAND RECORDS OF FAIRFAX CO., VA.

OWNER INFORMATION

(X) OWNER TRUSTEE

VIRGINIA RAILWAY EXPRESS

NAME 703-684-1001

PHONE GOTRAINS@VRE.ORG

1500 KING ST, SUITE 202 ALEXANDRIA, VA 23314

ADDRESS EMAIL

} A CORPORATION
} A PARTNERSHIP
} AN INDIVIDUAL

DEVELOPER INFORMATION

(X) DEVELOPER CONTRACT OWNER
} LESSEE

VIRGINIA RAILWAY EXPRESS

NAME 703-684-1001

PHONE GOTRAINS@VRE.ORG

1500 KING ST, SUITE 202 ALEXANDRIA, VA 23314

ADDRESS EMAIL

} A CORPORATION
} A PARTNERSHIP
} AN INDIVIDUAL

WETLANDS PERMITS CERTIFICATION

I HEREBY CERTIFY THAT ALL WETLANDS PERMITS REQUIRED BY LAW WILL BE OBTAINED PRIOR TO COMMENCING WITH LAND DISTURBING ACTIVITIES.

SIGNATURE Timothy C. Culleiton

OWNER/DEVELOPER TIM CULLEITON ASSOCIATE VICE PRESIDENT

NAME TITLE

NOTE: PERMITS MUST BE PRESENTED TO THE COUNTY INSPECTOR PRIOR TO LAND DISTURBANCE.

SOIL ID NUMBERS	SOIL SERIES NAME	FOUNDATION SUPPORT	SOIL DRAINAGE	EROSION POTENTIAL	PROBLEM CLASS
105B					
105C					

IS THE SITE LOCATED ON NATURALLY OCCURRING ASBESTOS (NOA) SOIL? YES ☐ NO ☒

AREAS THAT MAY CONTAIN NOA SOIL ARE SHOWN ON THE OFFICIAL COUNTY SOILS MAP ON THE DIGITAL MAP VIEWER ON THE COUNTY WEBSITE. ASBESTOS IS REGULATED BY THE VIRGINIA DEPARTMENT OF LABOR AND INDUSTRY. SAFETY PRECAUTIONS AND LINKS TO REGULATIONS REGARDING THESE SOILS OR FILL ORIGINATING FROM THEM CAN BE FOUND ON THE NORTHERN VIRGINIA SOIL AND WATER CONSERVATION DISTRICT WEBSITE: WWW.FAIRFAXCOUNTY.GOV/NVSWCD

DESIGNATED PLANS EXAMINER (DPE) CERTIFICATE

1ST SUBMISSION REVIEWED & RECOMMENDED FOR SUBMISSION

2ND SUBMISSION REVIEWED & RECOMMENDED FOR APPROVAL

D.P.E. SIGNATURE & PRINTED NAME

D.P.E. SIGNATURE & PRINTED NAME

DATE: _____ REG. NO.: _____







DATE: _____ REG. NO.: _____

POST SUBMISSION CONFERENCE DATE: _____

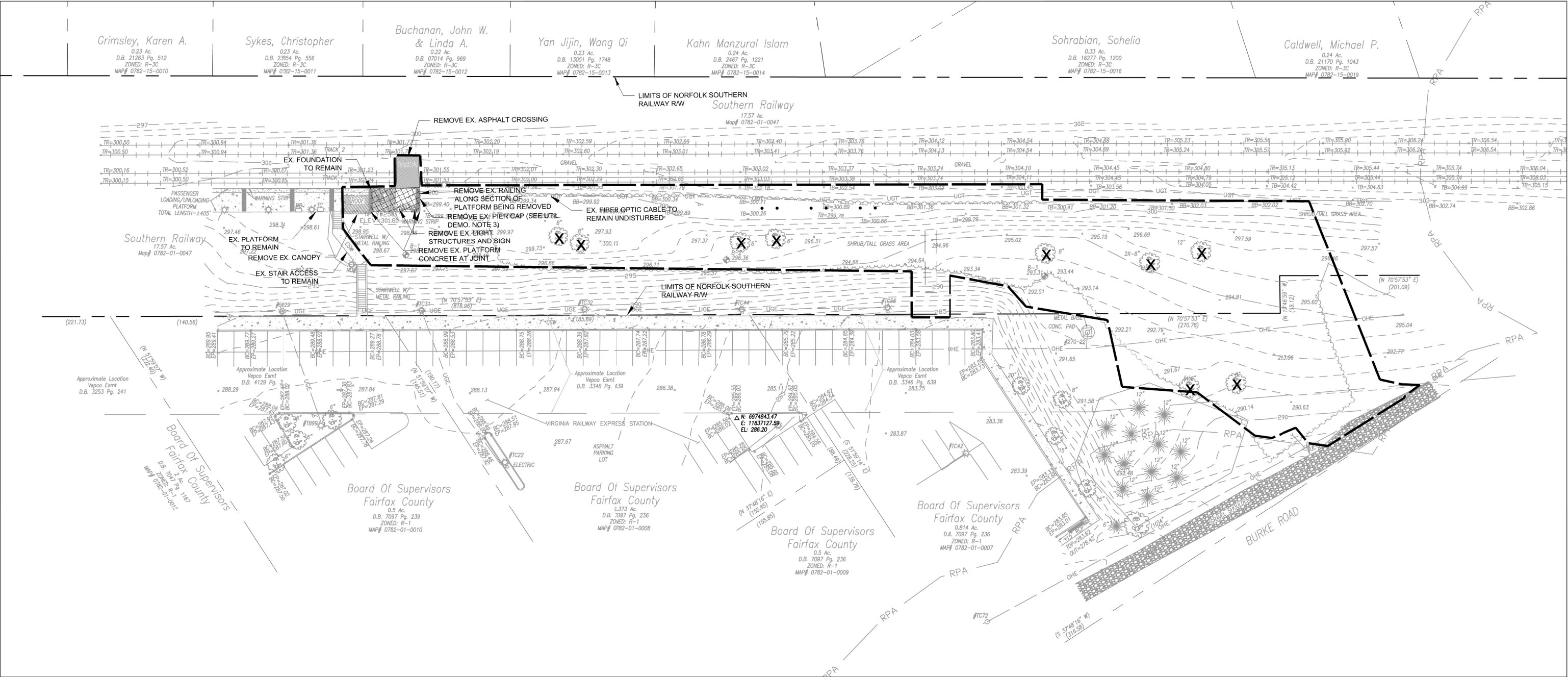
THIS APPROVAL IS FOR A MINOR SITE PLAN ONLY

Compliance is required with all Federal, State and County Ordinances and regulations, including, but not limited to, approval of the public water supplier when any alteration of public water facility is necessary, and the Fire Marshal to assure compliance with the Fire Protection Regulations of Chapters 62 and 70 of The Code of Fairfax, Virginia (County Code), and other County fire regulations. The Fire Prevention Division of the Fire and Rescue Department requires a drawing or plan to verify compliance with the Fire Protection Requirements of Section 62-2-6 of the County Code. Such drawing or plan must be approved prior to approve of building plans, and must contain information as stated in Section 9-0202 of the Fairfax County Public Facilities Manual.

This minor site plan shall automatically expire, without notice, sixty (60) months from the date of this approval unless work on the associated project has commenced.

1. COVER SHEET	APPROVED BY VRE	REV.NO.	DATE	BY	APP BY	DESCRIPTION	DESIGNED BY:				ROLLING ROAD STATION IMPROVEMENTS	IFB NO:
2. CIVIL ABBREVIATIONS, LEGEND AND NOTES		0	08/14/2020			INVITATION FOR BID	KAF					021-005
3. EXISTING CONDITIONS AND DEMOLITION PLAN							DRAWN BY:					DRAWING NO:
4. SITE PLAN							KAF					C-001
5. EROSION AND SEDIMENT CONTROL PHASE 1	APPROVED BY COUNTY						CHECKED BY:				FAIRFAX COUNTY MINOR SITE PLAN COVER SHEET	SCALE:
6. EROSION AND SEDIMENT CONTROL PHASE 2							TCC					AS NOTED
7. EROSION AND SEDIMENT CONTROL AND SITE DETAILS							DATE:					SHEET NO:
8. EROSION AND SEDIMENT CONTROL NARRATIVE							08-14-2020					6 OF 51
9. SWM, OUTFALL AND BMP ANALYSIS												
10. SITE DETAILS												
11. SUGGESTED SEQUENCE OF CONSTRUCTION												
12. BORING LOGS												

COUNTY SITE PLAN SHEET 1 OF 12



GENERAL DEMOLITION NOTES

THIS SHEET IS INTENDED TO IDENTIFY THE NECESSARY DEMOLITION REQUIRED TO PERFORM SITE RELATED IMPROVEMENTS.

1. NO DEMOLITION CAN BEGIN UNTIL REQUIRED DEMOLITION PERMITS ARE OBTAINED.
2. NO DEMOLITION CAN BEGIN UNTIL REQUIRED (PHASE I) EROSION AND SEDIMENT CONTROLS ARE IN PLACE.
3. BEFORE A DEMOLITION PERMIT CAN BE ISSUED TREE PROTECTION FENCING MUST BE PLACED AND INSTALLATION VERIFIED. VERIFICATION MAY BE ACCOMPLISHED BY NOTIFYING FAIRFAX COUNTY URBAN FORESTRY MANAGEMENT DIVISION (UFMD), AFTER WHICH STAFF WILL VISIT THE SITE TO INSPECT THE TREE PROTECTION FENCING; OR THE PROJECT ARBORIST FOR THE SITE MAY NOTIFY UFMD, IN WRITING, VERIFYING INSTALLATION OF TREE PROTECTION FENCING
4. ALL WORK SHALL BE PERFORMED IN STRICT COMPLIANCE WITH THE MOST CURRENT APPLICABLE FEDERAL, STATE, AND LOCAL LAWS AND REGULATIONS, INCLUDING BUT NOT LIMITED TO, ENVIRONMENTAL PROTECTION AGENCY (EPA), OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA), VIRGINIA OVERHEAD HIGH VOLTAGE LINE SAFETY ACT, NATIONAL EMISSIONS STANDARDS FOR HAZARDOUS AIR POLLUTANTS (NESHAPS), AND NATIONAL INSTITUTE OF OCCUPATIONAL SAFETY AND HEALTH (NIOSH).
5. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE OWNER'S REPRESENTATIVE UPON ENCOUNTERING ANY HAZARDOUS MATERIALS DURING DEMOLITION AND/OR CONSTRUCTION ACTIVITIES. THE CONTRACTOR SHALL DOCUMENT SAME TO THE OWNER'S REPRESENTATIVE AND OBTAIN DIRECTION AS TO THE APPROPRIATE ACTION(S) TO BE TAKEN IN ACCORDANCE WITH THE PROJECT SPECS.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION WITH THE UTILITY PROVIDERS, PAYMENT OF ASSOCIATED FEES AND PROCUREMENT OF ALL NECESSARY PERMITS.
7. PRIOR TO COMMENCING NEW WORK, THE CONTRACTOR SHALL PROTECT FROM DAMAGE ALL EXISTING ADJACENT AREAS. ALL ADJACENT AREAS DAMAGED DURING DEMOLITION AND/OR CONSTRUCTION ACTIVITIES SHALL BE RESTORED TO ORIGINAL OR BETTER CONDITION AT NO ADDITIONAL COST TO THE OWNER.
8. EXISTING FEATURES TO REMAIN MAY BE TEMPORARILY RELOCATED AND/OR ADJUSTED DURING CONSTRUCTION. CONTRACTOR TO RESTORE TO ORIGINAL CONFIGURATION AND CONDITION, IF DISTURBED. IN GENERAL, ALL EXISTING ITEMS THAT ARE IN CONFLICT WITH PROPOSED CONDITIONS, SHALL BE ADJUSTED OR RELOCATED TO FACILITATE THE CONSTRUCTION OF THE PROPOSED IMPROVEMENTS.
9. ANY WORK THAT IS TO BE PERFORMED WITHIN THE PROPERTY BUT OUTSIDE THE LIMITS OF CLEARING AND GRADING WILL BE DONE BY HAND.

UTILITY DEMOLITION NOTES

1. DURING DEMOLITION AND/OR CONSTRUCTION ACTIVITIES, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE OWNER'S REPRESENTATIVE UPON ENCOUNTERING ANY EXISTING UTILITIES AND/OR UTILITY SYSTEM STRUCTURES NOT SHOWN ON THESE PLANS. THE CONTRACTOR SHALL DOCUMENT SAME TO THE OWNER'S REPRESENTATIVE AND OBTAIN DIRECTION AS TO THE APPROPRIATE ACTION(S) TO BE TAKEN.
2. ACTIVE UTILITY DISTRIBUTION FACILITIES ENCOUNTERED DURING DEMOLITION AND/OR CONSTRUCTION ACTIVITIES SHALL BE COORDINATED WITH THE UTILITY PROVIDERS.
3. THE EXISTING PIER CAP SHALL BE REMOVED IN ITS ENTIRETY. THE EXISTING PIERS SHALL BE REMOVED TO A DEPTH OF 2' BELOW GRADE. THE REMAINDER OF THE EXISTING PIERS CAN BE ABANDONED IN PLACE.

DEMOLITION LEGEND

EX. STRUCTURE TO BE DEMOLISHED

EX. HARDSCAPE TO BE DEMOLISHED

EX. TREE TO BE REMOVED

SCALE IN FEET

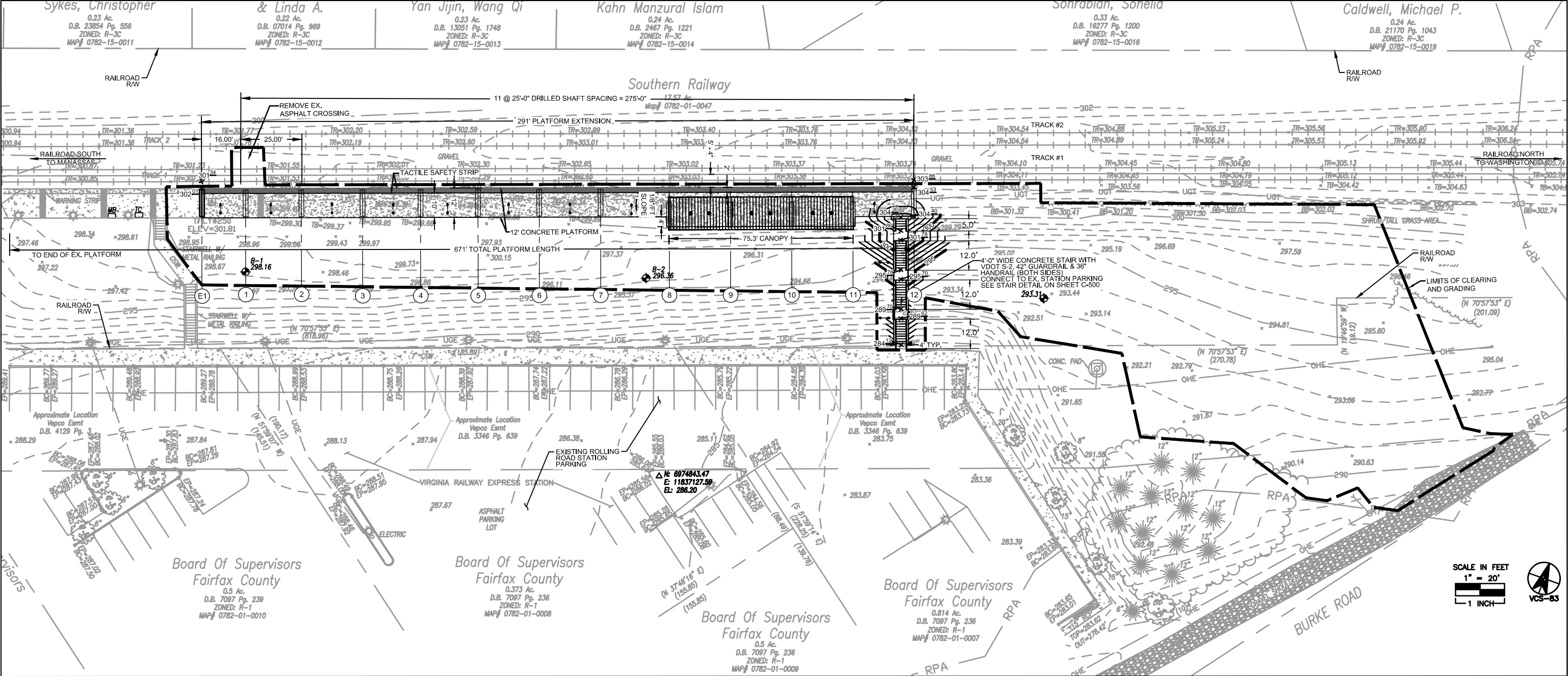
1" = 25'

1 INCH

VCS-83

	APPROVED BY VRE	REV.NO.	DATE	BY	APP BY	DESCRIPTION	DESIGNED BY:				Dewberry Engineers Inc. 8401 ARLINGTON BLVD. FAIRFAX, VA 22031 PHONE: 703.849.0100 FAX: 703.849.0118	ROLLING ROAD STATION IMPROVEMENTS	IFB NO:	021-005	
		0	08/14/2020			INVITATION FOR BID	DRAWN BY:						KAF	C-101	
							CHECKED BY:						TCC	SCALE:	AS NOTED
	APPROVED BY COUNTY						DATE:						08-14-2020	SHEET NO:	8 OF 51

COUNTY SITE PLAN SHEET 3 OF 12



LEGEND:

- B-# BORING LOCATION AND BORING NUMBER (SEE SHEET S-303 FOR BORING LOGS)
- LIMITS OF CLEARING & GRADING
- COLUMN LINE
- PROPOSED PLATFORM
- PROPOSED CANOPY

NOTE: AREA WITHIN LIMITS OF CLEARING AND GRADING OUTSIDE OF AREA DEPICTED ON THIS SHEET TO BE ALTERED PER THE REFLECTED PROPOSED CONTOURS SHALL BE RETURNED TO EXISTING GRADE. EXCAVATED MATERIAL GENERATED BY THE INSTALLATION OF THE PLATFORM DRILLED PIERS SHALL BE STOCKPILED AND UTILIZED FOR STAIR CONSTRUCTION. SURPLUS MATERIAL SHALL BE UTILIZED IN REESTABLISHING EXISTING GRADES; EXCESS MATERIAL SHALL NOT BE DISPOSED OFFSITE.

	APPROVED BY VRE	REV.NO.	DATE	BY	APP BY	DESCRIPTION	DESIGNED BY:				Dewberry Engineers Inc. 8401 ARLINGTON BLVD. FAIRFAX, VA 22031 PHONE: 703.849.0100 FAX: 703.849.0118	ROLLING ROAD STATION IMPROVEMENTS		IFB NO:	021-005
		0	08/14/2020			INVITATION FOR BID	DRAWN BY:							DRAWING NO:	C-201
	APPROVED BY COUNTY						CHECKED BY:							SCALE:	AS NOTED
							DATE:					SITE PLAN		SHEET NO:	9 OF 51

Grimsley, Karen A.
0.23 Ac.
D.B. 21283 Pg. 512
ZONED: R-3C
MAP# 0782-15-0010

Sykes, Christopher
0.23 Ac.
D.B. 23854 Pg. 556
ZONED: R-3C
MAP# 0782-15-0011

Buchanan, John W.
& Linda A.
0.22 Ac.
D.B. 07014 Pg. 989
ZONED: R-3C
MAP# 0782-15-0012

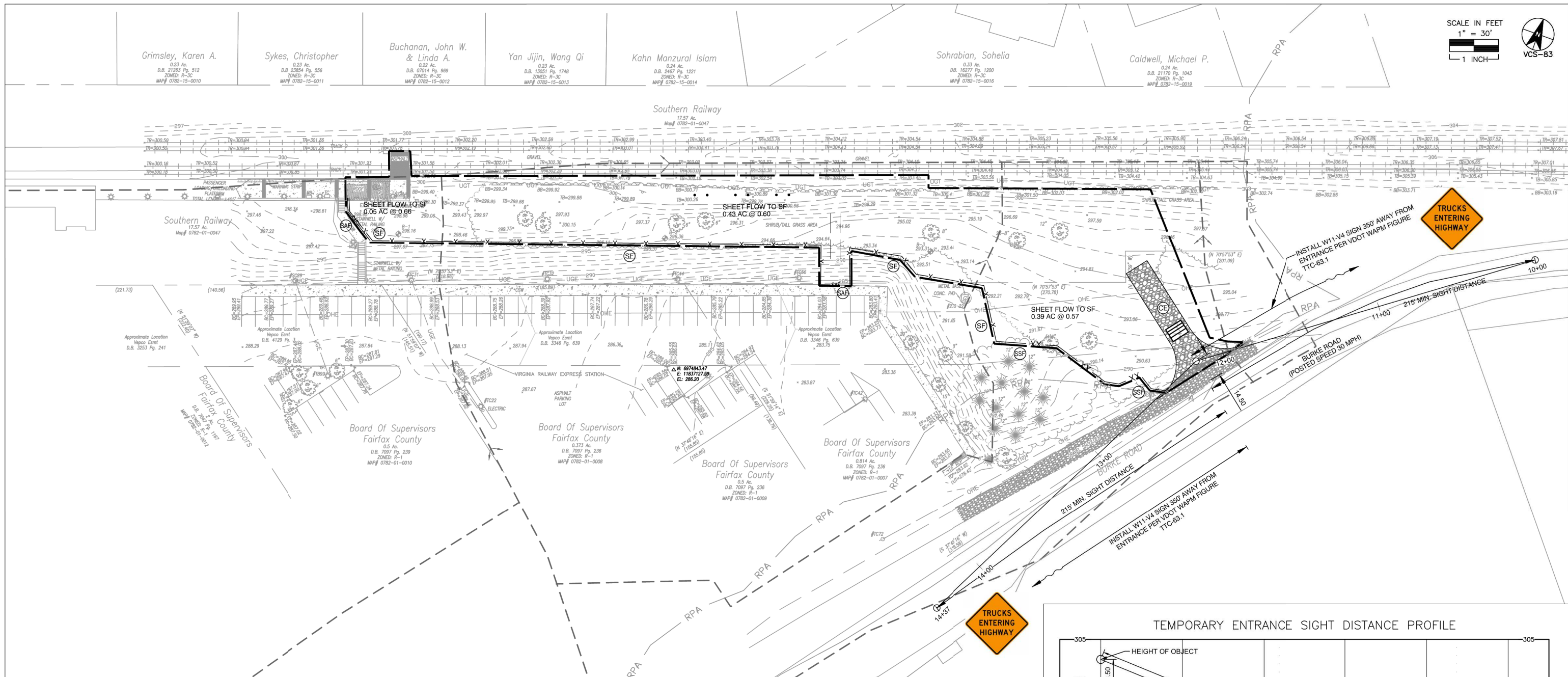
Yan Jijin, Wang Qi
0.23 Ac.
D.B. 13051 Pg. 1748
ZONED: R-3C
MAP# 0782-15-0013

Kahn Manzural Islam
0.24 Ac.
D.B. 2467 Pg. 1221
ZONED: R-3C
MAP# 0782-15-0014

Sohrabian, Sohelia
0.33 Ac.
D.B. 16277 Pg. 1200
ZONED: R-3C
MAP# 0782-15-0016

Caldwell, Michael P.
0.24 Ac.
D.B. 21170 Pg. 1043
ZONED: R-3C
MAP# 0782-15-0018

SCALE IN FEET
1" = 30'
1 INCH

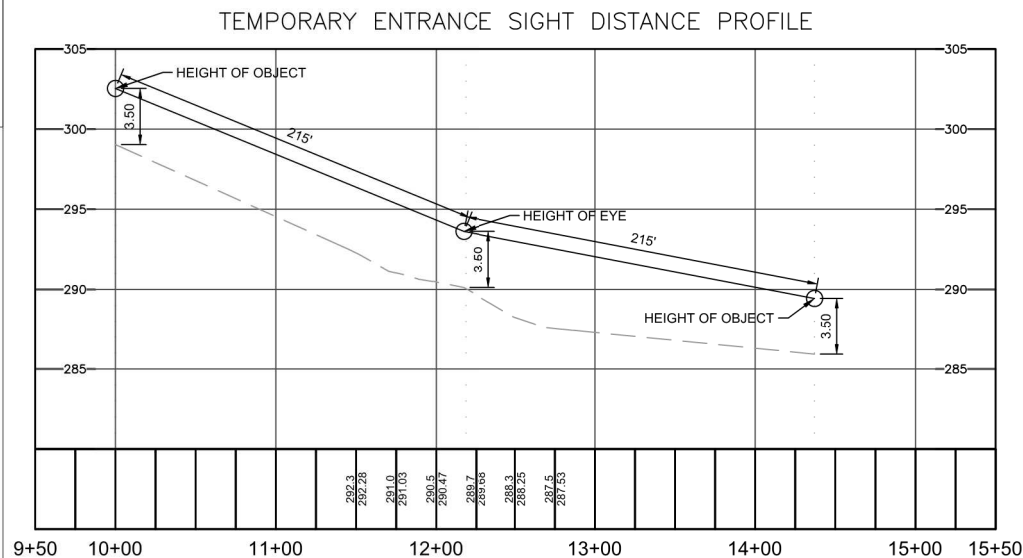


- EROSION & SEDIMENT CONTROL NOTES:**
THIS SHEET DEPICTS PHASE 1 OF A 2 PHASE EROSION & SEDIMENT CONTROL PLAN FOR THE SITE. PHASE 1 IS INTENDED FOR INSTALLATION OF PERIMETER CONTROLS. PHASE 2 IS FOR FINAL INFRASTRUCTURE CONDITIONS. REFER TO SHEET C-304 FOR E&S NARRATIVE.
- PHASE 1 LIMITS OF CLEARING AND GRADING ARE INTENDED TO REPRESENT LIMITS OF MODERATE DISTURBANCE REQUIRED TO INSTALL PERIMETER CONTROLS.
 - ALL AREAS AND RUNOFF COEFFICIENTS (C-VALUES) LISTED ON THIS SHEET HAVE BEEN ROUNDED FOR SIMPLIFICATION.
 - ALL CONSTRUCTION TRAFFIC ACCESS IS TO BE LIMITED TO THE CONSTRUCTION ENTRANCE.
 - DRAINAGE DIVIDES SHOWN ARE USED FOR HYDRAULIC ANALYSIS AND DO NOT REPRESENT AREA OF DISTURBANCE.
 - REFER TO EROSION AND SEDIMENT CONTROL NARRATIVE ON SHEET C-304 FOR DETAILS.
 - SAFETY FENCE MAY BE REQUIRED TO PROTECT THE SITE AND ADJACENT AREA FROM PEDESTRIAN TRAFFIC OF THE ADJACENT DEVELOPMENTS.

VIRGINIA UNIFORM CODING SYSTEM
FOR EROSION AND SEDIMENT CONTROL PRACTICES

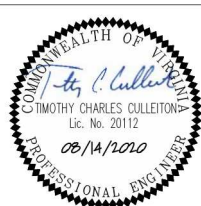
NO	TITLE	KEY	SYMBOL
3.01	SAFETY FENCE	(SAF)	— SAF —
3.02	TEMPORARY STONE CONSTRUCTION ENTRANCE	(CE)	
3.05	SILT FENCE	(SF)	— x — x — x —
	SUPER SILT FENCE	(SSF)	— x — x — x — x —
	DRAINAGE DIVIDES		
	LIMITS OF CLEARING AND GRADING		

THIS SHEET IS FOR PHASE 2 EROSION AND SEDIMENT CONTROL ONLY.



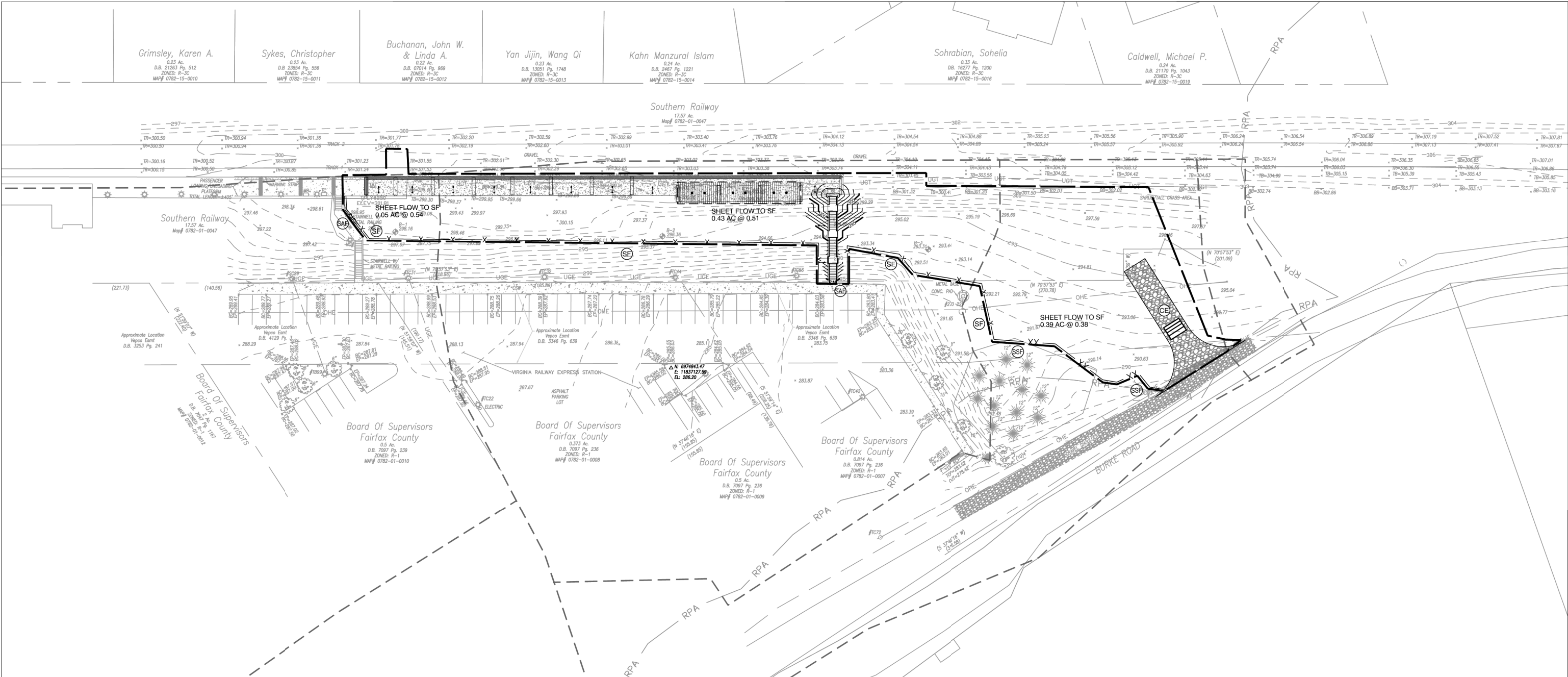
APPROVED BY VRE	REV.NO.	DATE	BY	APP BY	DESCRIPTION
	0	08/14/2020			INVITATION FOR BID
APPROVED BY COUNTY					

DESIGNED BY:
KAF
DRAWN BY:
KAF
CHECKED BY:
TCC
DATE:
08-14-2020



Dewberry
Dewberry Engineers Inc.
8401 ARLINGTON BLVD.
FAIRFAX, VA 22031
PHONE: 703.849.0100
FAX: 703.849.0118

ROLLING ROAD STATION IMPROVEMENTS	IFB NO: 021-005
EROSION AND SEDIMENT CONTROL PHASE 1	DRAWING NO: C-301
	SCALE: AS NOTED
	SHEET NO: 10 OF 51



EROSION & SEDIMENT CONTROL NOTES:
THIS SHEET DEPICTS PHASE 2 OF A 2 PHASE EROSION & SEDIMENT CONTROL PLAN FOR THE SITE. PHASE 2 IS FOR FINAL INFRASTRUCTURE CONDITIONS. REFER TO SHEET C-304 FOR E&S NARRATIVE.

- PHASE 2 LIMITS OF CLEARING AND GRADING ARE INTENDED TO REPRESENT TOTAL LIMITS OF CLEARING AND GRADING
- ALL AREAS AND RUNOFF COEFFICIENTS (C-VALUES) LISTED ON THIS SHEET HAVE BEEN ROUNDED FOR SIMPLIFICATION.
- ALL CONSTRUCTION TRAFFIC ACCESS IS TO BE LIMITED TO THE CONSTRUCTION ENTRANCE.
- DRAINAGE DIVIDES SHOWN ARE USED FOR HYDRAULIC ANALYSIS AND DO NOT REPRESENT AREA OF DISTURBANCE.
- REFER TO EROSION AND SEDIMENT CONTROL NARRATIVE ON SHEET C-304 FOR DETAILS.
- SAFETY FENCE MAY BE REQUIRED TO PROTECT THE SITE AND ADJACENT AREA FROM PEDESTRIAN TRAFFIC OF THE ADJACENT DEVELOPMENTS.

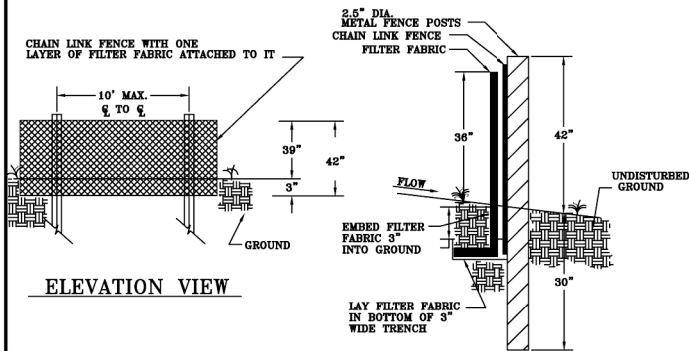
VIRGINIA UNIFORM CODING SYSTEM

FOR EROSION AND SEDIMENT CONTROL PRACTICES			
NO	TITLE	KEY	SYMBOL
3.01	SAFETY FENCE	SAF	—SAF—
3.02	TEMPORARY STONE CONSTRUCTION ENTRANCE	CE	
3.05	SILT FENCE	SF	—X—X—X—
	SUPER SILT FENCE	SSF	—X—X—X—X—
	DRAINAGE DIVIDES		
	LIMITS OF CLEARING AND GRADING		

THIS SHEET IS FOR PHASE 2 EROSION AND SEDIMENT CONTROL ONLY.

	APPROVED BY VRE	REV.NO.	DATE	BY	APP BY	DESCRIPTION	DESIGNED BY:			 Dewberry Engineers Inc. 8401 ARLINGTON BLVD. FAIRFAX, VA 22031 PHONE: 703.849.0100 FAX: 703.849.0118	ROLLING ROAD STATION IMPROVEMENTS EROSION AND SEDIMENT CONTROL PHASE 2	IFB NO:	021-005
		0	08/14/2020			INVITATION FOR BID	KAF					DRAWING NO:	C-302
	APPROVED BY COUNTY						KAF					SCALE:	AS NOTED
							TCC					SHEET NO:	11 OF 51

FAIRFAX COUNTY PUBLIC FACILITIES MANUAL



ELEVATION VIEW

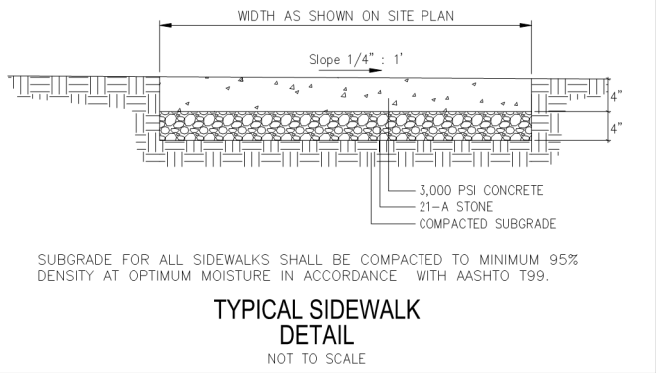
SSF X-X-X-X-X

SECTION VIEW

SUPER SILT FENCE
NO SCALE

FENCING

Chain link fence shall be 39" above grade with 3" embedded for a total fabric width of 42". The post shall be 42" above grade with 30" placed below grade (without concrete) for a total length of 72".



SUBGRADE FOR ALL SIDEWALKS SHALL BE COMPACTED TO MINIMUM 95% DENSITY AT OPTIMUM MOISTURE IN ACCORDANCE WITH AASHTO T99.

TYPICAL SIDEWALK
DETAIL
NOT TO SCALE

NOTES

- Chain link fence shall be fastened securely to fence posts with wire ties.
- Filter fabric shall be fastened securely to chain link fence with ties spaced horizontally 24" at the top and midsection.
- Physical properties of the filter fabric shall conform to the latest edition of THE VIRGINIA EROSION & SEDIMENT CONTROL HANDBOOK.
- When two sections of filter fabric adjoin each other, they shall be overlapped by 6".
- Maintenance shall be performed as needed and material shall be removed when sediment build-up reaches 50% of the height of the super silt fence.

Ref. Sec. 11-0110.3,
11-0110.3J

SUPER SILT FENCE
NO SCALE

PLATE NO.

STD. NO.

7-11

Rev. 1-00, 2011 Reprint

PERMANENT SEEDING

TABLE 3.32-B
SITE SPECIFIC SEEDING MIXTURES FOR
PIEDMONT AREA

Minimum Care Lawn	Total lbs Per Acre
- Commercial or Residential	175-200 lbs.
- Kentucky 31 or Turf-Type Tall Fescue	95-100%
- Improved Perennial Ryegrass	0-5%
- Kentucky Bluegrass	0-5%
High-Maintenance Lawn	200-250 lbs.
Kentucky 31 or Turf-Type Tall Fescue	100%
General Slope (3:1 or less)	
- Kentucky 31 Fescue	128 lbs.
- Red Top Grass	2 lbs.
- Seasonal Nurse Crop *	20 lbs.
	150 lbs.
Low-Maintenance Slope (Steeper than 3:1)	
- Kentucky 31 Fescue	108 lbs.
- Red Top Grass	2 lbs.
- Seasonal Nurse Crop *	20 lbs.
- Crownvetch **	20 lbs.
	150 lbs.

*Use seasonal nurse crop in accordance with seeding dates as stated below:

February 16th through April.....	Annual Rye
May 1st through August 15th.....	Foxtail Millet
August 16th through October.....	Annual Rye
November through February 15th.....	Winter Rye

**Substitute Sericea lespedeza for Crownvetch east of Farmville, Va.

(May through September use hulled Sericea, all other periods, use unhulled Sericea). If Flatpea is used in lieu of Crownvetch, increase rate to 30 lbs./acre. All legume seed must be properly inoculated. Weeping Lovegrass may be added to any slope or low-maintenance mix during warmer seeding periods; add 10-20 lbs./acre in mixes.

TEMPORARY SEEDING

TABLE 3.31-B

ACCEPTABLE TEMPORARY SEEDING PLANT MATERIALS

"QUICK REFERENCE FOR ALL REGIONS"

Planting Dates	Species	Rate (lbs./acre)
Sept. 1 - Feb. 15	50/50 Mix of Annual Ryegrass (<i>Lolium multi-florum</i>) & Cereal (Winter) Rye (<i>Secale cereale</i>)	50 - 100
Feb. 16 - Apr. 30	Annual Ryegrass (<i>Lolium multi-florum</i>)	60 - 100
May 1 - Aug 31	German Millet (<i>Setaria italica</i>)	50

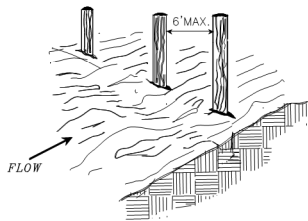
NOTE:

THE EROSION AND SEDIMENT CONTROL DETAILS SHOWN WITHIN THIS PLAN SET ARE INTENDED TO PROVIDE A REFERENCE TO THE VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK (VESCH). THE GRAPHIC DETAILS PROVIDED HAVE BEEN EXTRACTED FROM THE VESCH. CONTRACTOR SHOULD VERIFY FAMILIARITY WITH THE VESCH AND THE TEXT ASSOCIATED WITH THE REFERENCED DETAILS.

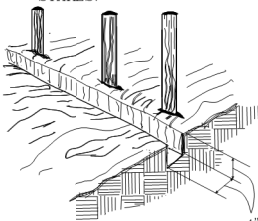
REFER TO EROSION AND SEDIMENT CONTROL NARRATIVE FOR
ADDITIONAL INFORMATION

CONSTRUCTION OF A SILT FENCE
(WITHOUT WIRE SUPPORT)

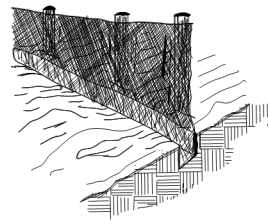
1. SET THE STAKES.



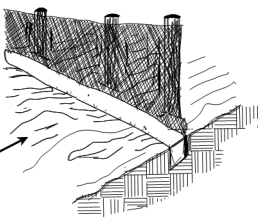
2. EXCAVATE A 4"X 4" TRENCH UPSLOPE ALONG THE LINE OF STAKES.



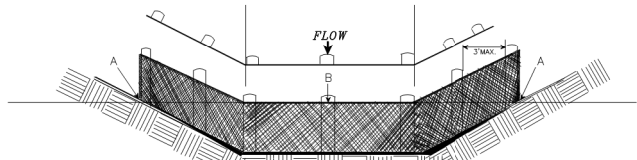
3. STAPLE FILTER MATERIAL TO STAKES AND EXTEND IT INTO THE TRENCH.



4. BACKFILL AND COMPACT THE EXCAVATED SOIL.



SHEET FLOW INSTALLATION
(PERSPECTIVE VIEW)

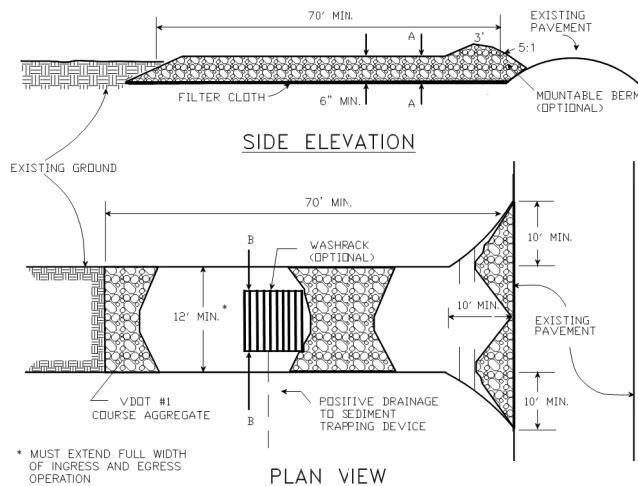


POINTS A SHOULD BE HIGHER THAN POINT B.
DRAINAGEWAY INSTALLATION
(FRONT ELEVATION)

SOURCE: Adapted from Installation of Straw and Fabric Filter Barriers for Sediment Control, VA. DSWC

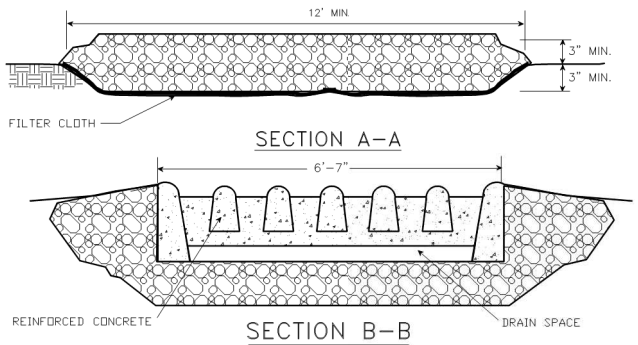
PLATE. 3.05-2

STONE CONSTRUCTION ENTRANCE



* MUST EXTEND FULL WIDTH OF INGRESS AND EGRESS OPERATION

PLAN VIEW

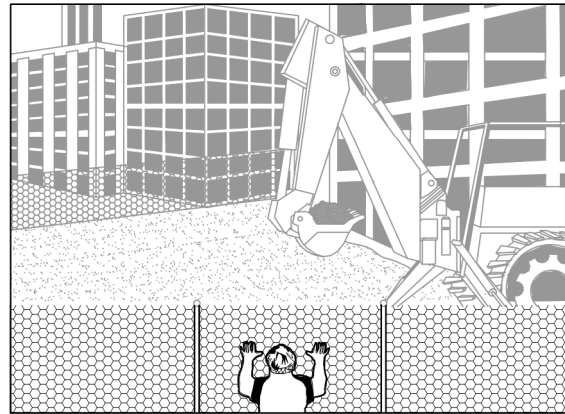


SOURCE: ADAPTED FROM 1983 Maryland Standards for Soil erosion and Sediment Control, and VA. DSWC

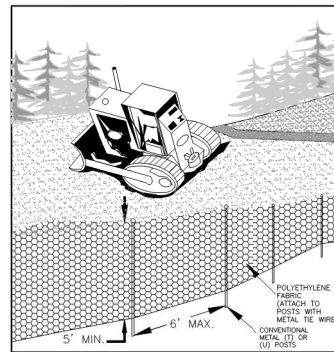
Plate 3.02-1

NOTES: FAIRFAX COUNTY REQUIRES 75' MINIMUM LENGTH AS SHOWN ON THE E & S PLAN.

SAFETY FENCE

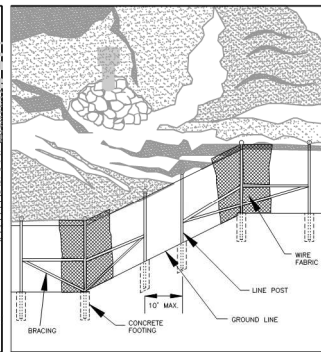


PERSPECTIVE VIEW



PERSPECTIVE VIEW
PLASTIC FENCE

SOURCE: CONWED PLASTICS VDOT ROAD AND BRIDGE STANDARDS VA. DSWC



PERSPECTIVE VIEW
METAL FENCE

PLATE. 3.1-1

FAIRFAX COUNTY PRIORITY RATING FORM FOR EROSION & SEDIMENT CONTROL

PROJECT NAME: ROLLING ROAD STATION PLATFORM EXTENSION PROJECT NUMBER: 78-2
TAX MAP: 78-2 EVALUATOR: DARREN TUCKER DATE: 02/15/2018

A. Percentage of Denuded Area to Total Site Area

Percentage	Rating
> 60%	5
31 to 60%	3
10 to 30%	1

If the denuded area is greater than 10 acres, the project is initially rated a high priority.

B. Watercourse Crossing

Yes/No	Rating
Yes	5
No	0

*If yes, project is initially rated a high priority.

C. Distance of Denuded Area to Downstream Adjacent Property

Distance	Rating
< 50-feet	5
50 to 150-feet	3
> 150-feet	0

D. Distance of Any Portion of the Denuded Area to a Natural Watercourse

Distance	Rating
< 50-feet	5
50 to 150-feet	3
> 150-feet	0

E. *Minimum Vegetative Buffer (Trees, Shrubs, Grasses and other Plants)

Distance	Rating
< 50-feet	0
50 to 150-feet	-3
> 150-feet	-5

* Vegetation in Resource Protection Areas are not to be included as vegetative buffers for this application.

F. Distance Between the Site Outfall and any Downstream, Wet Pond, Wetland, Parkland or other Land Deemed Environmentally Sensitive by the Director.

Distance	Rating
< 2,500-feet	5
2,500 to 5,000-feet	3
> 5,000-feet	0

G. Critical Slopes Within 50-feet of Adjacent Property

- Are there any slopes of 0 to 7%; greater than or equal to 300-feet in length; or,
- Are there any slopes of 7 to 15%; greater than or equal to 150-feet in length; or,
- Are there any slopes greater than 15% and greater than or equal to 75-feet in length

If Yes to any of the above	Rating
Yes	5
No	0

Not Applicable if critical slope is > 50-feet from adjacent property

H. Soil Erodibility (Based on Physiographic Setting)

Physiographic Province	Rating
Triassic Basin	5
Piedmont Upland	3
Coastal Plain	1

TOTAL/OVERALL RATING: 16

OVERALL RATING

If > 22
If > 14 and < or = to 22
If < or = to 14

PRIORITY (Mark with an "X")

High
Medium
Low

PROJECT PRIORITY LEVEL: MEDIUM

** Reserved for Fairfax County use **

APPROVED BY: _____ DATE: _____
Plan Reviewer

APPROVED BY VRE

REV.NO.

DATE

BY

APP BY

DESCRIPTION

DESIGNED BY:

KAF

DRAWN BY:

KAF

CHECKED BY:

TCC

DATE:

08-14-2020



Dewberry
Dewberry Engineers Inc.
8401 ARLINGTON BLVD.
FAIRFAX, VA 22031
PHONE: 703.849.0100
FAX: 703.849.0118

ROLLING ROAD STATION
IMPROVEMENTS

EROSION AND SEDIMENT CONTROL
AND SITE DETAILS

IFB NO:

021-005

DRAWING NO:

C-303

SCALE:

AS NOTED

SHEET NO:

12 OF 51

GENERAL LAND CONSERVATION NOTES (FAIRFAX COUNTY PUBLIC FACILITIES MANUAL-SECTION 11)		MS-9. WHENEVER WATER SEEPS FROM A SLOPE FACE, ADEQUATE DRAINAGE OR OTHER PROTECTION SHALL BE PROVIDED.		(B) ALL PREVIOUSLY CONSTRUCTED MAN-MADE CHANNELS SHALL BE ANALYZED BY THE USE OF A TEN-YEAR STORM TO VERIFY THAT STORMWATER WILL NOT OVERTOP ITS BANKS AND BY THE USE OF A TWO-YEAR STORM TO DEMONSTRATE THAT STORMWATER WILL NOT CAUSE EROSION OF CHANNEL BED OR BANKS; AND (C) PIPES AND STORM SEWER SYSTEMS SHALL BE ANALYZED BY THE USE OF A TEN-YEAR STORM TO VERIFY THAT STORMWATER WILL BE CONTAINED WITHIN THE PIPE OR SYSTEM.		GENERAL EROSION AND SEDIMENT CONTROL NOTES (VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK - CHAPTER 6) ES-1 UNLESS OTHERWISE INDICATED, ALL VEGETATIVE AND STRUCTURAL EROSION AND SEDIMENT CONTROL PRACTICES WILL BE CONSTRUCTED AND MAINTAINED ACCORDING TO MINIMUM STANDARDS AND SPECIFICATIONS OF THE VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK AND VIRGINIA REGULATIONS 4VAC50-30 EROSION AND SEDIMENT CONTROL REGULATIONS.		EROSION AND SEDIMENT CONTROL NARRATIVE		MANAGEMENT STRATEGIES	
11-0406.1 (38-93-PFM) NO DISTURBED AREA WHICH IS NOT ACTIVELY BEING WORKED SHALL REMAIN DENUEDED FOR MORE THAN 14 CALENDAR DAYS UNLESS OTHERWISE AUTHORIZED BY THE DIRECTOR.		MS-10. ALL STORM SEWER INLETS THAT ARE MADE OPERABLE DURING CONSTRUCTION SHALL BE PROTECTED SO THAT SEDIMENT-LADEN WATER CANNOT ENTER THE CONVEYANCE SYSTEM WITHOUT FIRST BEING FILTERED OR OTHERWISE TREATED TO REMOVE SEDIMENT.		C. IF EXISTING NATURAL RECEIVING CHANNELS OR PREVIOUSLY CONSTRUCTED MAN-MADE CHANNELS OR PIPES ARE NOT ADEQUATE, THE APPLICANT SHALL: I. IMPROVE THE CHANNEL TO A CONDITION WHERE A TEN-YEAR STORM WILL NOT OVERTOP THE BANKS AND A TWO-YEAR STORM WILL NOT CAUSE EROSION TO THE CHANNEL BED OR BANKS; OR II. IMPROVE THE PIPE OR PIPE SYSTEM TO A CONDITION WHERE THE TEN-YEAR STORM IS CONTAINED WITHIN THE APPURTENANCES; OR III. DEVELOP A SITE DESIGN THAT WILL NOT CAUSE THE PRE-DEVELOPMENT PEAK RUNOFF RATE FROM A TWO-YEAR STORM TO INCREASE WHEN RUNOFF OUTFALLS INTO A NATURAL CHANNEL, OR WILL NOT CAUSE THE PRE-DEVELOPMENT PEAK RUNOFF RATE FROM A TEN-YEAR STORM TO INCREASE WHEN RUNOFF OUTFALLS INTO A MAN-MADE CHANNEL; OR IV. PROVIDE A COMBINATION OF CHANNEL IMPROVEMENT, STORMWATER DETENTION, OR OTHER MEASURES TO PREVENT DOWNSTREAM EROSION SATISFACTORY TO THE PLAN-APPROVING AUTHORITY. D. THE APPLICANT SHALL PROVIDE EVIDENCE OF PERMISSION TO MAKE THE IMPROVEMENTS. E. ALL HYDROLOGIC ANALYSES SHALL BE BASED ON THE EXISTING WATERSHED CHARACTERISTICS AND THE ULTIMATE DEVELOPMENT OF THE SUBJECT PROJECT. F. IF THE APPLICANT CHOOSES AN OPTION THAT INCLUDES STORMWATER DETENTION, HE SHALL OBTAIN APPROVAL FROM THE LOCALITY OF A PLAN FOR MAINTENANCE OF THE DETENTION FACILITIES. THE PLAN SHALL SET FORTH MAINTENANCE REQUIREMENTS OF THE FACILITY AND DESIGNATE THE PERSON RESPONSIBLE FOR PERFORMING THE MAINTENANCE G. OUTFALL FROM A DETENTION FACILITY SHALL BE DISCHARGED TO A RECEIVING CHANNEL, AND ENERGY DISSIPATORS PLACED AT THE OUTFALL OF THE DETENTION FACILITIES AS NECESSARY TO PROVIDE A STABLE TRANSITION FROM THE FACILITY TO THE RECEIVING CHANNEL. H. ALL ON-SITE CHANNELS MUST BE VERIFIED TO BE ADEQUATE. I. INCREASED VOLUMES OF SHEET FLOWS CAUSING EROSION OR SEDIMENTATION ON ADJACENT PROPERTY SHALL BE DIVERTED TO A STABLE OUTLET, ADEQUATE CHANNEL, PIPE OR PIPE SYSTEM, OR TO A DETENTION FACILITY. J. IN APPLYING THESE STORMWATER RUNOFF CRITERIA, INDIVIDUAL LOTS OR PARCELS IN A RESIDENTIAL, COMMERCIAL, OR INDUSTRIAL DEVELOPMENT SHALL NOT BE CONSIDERED TO BE SEPARATE DEVELOPMENT PROJECTS. INSTEAD, THE DEVELOPMENT AS A WHOLE SHALL BE TREATED AS A SINGLE PROJECT. HYDROLOGIC PARAMETERS THAT REFLECT THE ULTIMATE DEVELOPMENT STATE SHALL BE USED IN ALL ENGINEERING CALCULATIONS. K. ALL MEASURES USED TO PROTECT PROPERTIES AND WATERWAYS SHALL BE EXECUTED IN A MANNER THAT MINIMIZES THE IMPACT ON THE PHYSICAL, CHEMICAL, AND BIOLOGICAL INTEGRITY OF RIVERS, STREAMS, AND OTHER STATE WATERS.		ES-2 THE PLAN APPROVING AUTHORITY MUST BE NOTIFIED ONE WEEK PRIOR TO THE PRE-CONSTRUCTION CONFERENCE, ONE WEEK PRIOR TO THE COMMENCEMENT OF LAND DISTURBING ACTIVITY, AND ONE WEEK PRIOR TO THE FINAL INSPECTION.		PROJECT DESCRIPTION THIS MINOR SITE PLAN PROPOSES THE 291' EXTENSION OF THE VRE ROLLING ROAD STATION PLATFORM TO ACCOMMODATE LONGER TRAINS.		IN GENERAL, MANAGEMENT STRATEGIES WILL FOLLOW THE PRESCRIBED STRATEGIES OUTLINED IN THE VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK. ADDITIONAL GUIDANCE IS PROVIDED FOR REFERENCE.	
11-0406.2 ALL E&S CONTROL MEASURES APPROVED WITH THE PHASE I E&S CONTROL PLAN SHALL BE PLACED AS THE FIRST STEP IN GRADING.		MS-11. BEFORE NEWLY CONSTRUCTED STORMWATER CONVEYANCE CHANNELS OR PIPES ARE MADE OPERATIONAL, ADEQUATE OUTLET PROTECTION AND ANY REQUIRED TEMPORARY OR PERMANENT CHANNEL LINING SHALL BE INSTALLED IN BOTH THE CONVEYANCE CHANNEL AND RECEIVING CHANNEL.		I. IMPROVE THE CHANNEL TO A CONDITION WHERE A TEN-YEAR STORM WILL NOT OVERTOP THE BANKS AND A TWO-YEAR STORM WILL NOT CAUSE EROSION TO THE CHANNEL BED OR BANKS; OR II. IMPROVE THE PIPE OR PIPE SYSTEM TO A CONDITION WHERE THE TEN-YEAR STORM IS CONTAINED WITHIN THE APPURTENANCES; OR III. DEVELOP A SITE DESIGN THAT WILL NOT CAUSE THE PRE-DEVELOPMENT PEAK RUNOFF RATE FROM A TWO-YEAR STORM TO INCREASE WHEN RUNOFF OUTFALLS INTO A NATURAL CHANNEL, OR WILL NOT CAUSE THE PRE-DEVELOPMENT PEAK RUNOFF RATE FROM A TEN-YEAR STORM TO INCREASE WHEN RUNOFF OUTFALLS INTO A MAN-MADE CHANNEL; OR IV. PROVIDE A COMBINATION OF CHANNEL IMPROVEMENT, STORMWATER DETENTION, OR OTHER MEASURES TO PREVENT DOWNSTREAM EROSION SATISFACTORY TO THE PLAN-APPROVING AUTHORITY. D. THE APPLICANT SHALL PROVIDE EVIDENCE OF PERMISSION TO MAKE THE IMPROVEMENTS. E. ALL HYDROLOGIC ANALYSES SHALL BE BASED ON THE EXISTING WATERSHED CHARACTERISTICS AND THE ULTIMATE DEVELOPMENT OF THE SUBJECT PROJECT. F. IF THE APPLICANT CHOOSES AN OPTION THAT INCLUDES STORMWATER DETENTION, HE SHALL OBTAIN APPROVAL FROM THE LOCALITY OF A PLAN FOR MAINTENANCE OF THE DETENTION FACILITIES. THE PLAN SHALL SET FORTH MAINTENANCE REQUIREMENTS OF THE FACILITY AND DESIGNATE THE PERSON RESPONSIBLE FOR PERFORMING THE MAINTENANCE G. OUTFALL FROM A DETENTION FACILITY SHALL BE DISCHARGED TO A RECEIVING CHANNEL, AND ENERGY DISSIPATORS PLACED AT THE OUTFALL OF THE DETENTION FACILITIES AS NECESSARY TO PROVIDE A STABLE TRANSITION FROM THE FACILITY TO THE RECEIVING CHANNEL. H. ALL ON-SITE CHANNELS MUST BE VERIFIED TO BE ADEQUATE. I. INCREASED VOLUMES OF SHEET FLOWS CAUSING EROSION OR SEDIMENTATION ON ADJACENT PROPERTY SHALL BE DIVERTED TO A STABLE OUTLET, ADEQUATE CHANNEL, PIPE OR PIPE SYSTEM, OR TO A DETENTION FACILITY. J. IN APPLYING THESE STORMWATER RUNOFF CRITERIA, INDIVIDUAL LOTS OR PARCELS IN A RESIDENTIAL, COMMERCIAL, OR INDUSTRIAL DEVELOPMENT SHALL NOT BE CONSIDERED TO BE SEPARATE DEVELOPMENT PROJECTS. INSTEAD, THE DEVELOPMENT AS A WHOLE SHALL BE TREATED AS A SINGLE PROJECT. HYDROLOGIC PARAMETERS THAT REFLECT THE ULTIMATE DEVELOPMENT STATE SHALL BE USED IN ALL ENGINEERING CALCULATIONS. K. ALL MEASURES USED TO PROTECT PROPERTIES AND WATERWAYS SHALL BE EXECUTED IN A MANNER THAT MINIMIZES THE IMPACT ON THE PHYSICAL, CHEMICAL, AND BIOLOGICAL INTEGRITY OF RIVERS, STREAMS, AND OTHER STATE WATERS.		ES-3 ALL EROSION AND SEDIMENT CONTROL MEASURES ARE TO BE PLACED PRIOR TO OR AS THE FIRST STEP IN CLEARING.		EXISTING SITE CONDITION THE SUBJECT PROPERTY IS LOCATED AT 9016 BURKE ROAD IN BURKE, VA ON TAX ASSESSMENT MAP 78-2. THE EXISTING SITE INCLUDES AN OPERATING COMMUTER RAIL STATION ALONG THE NORFOLK SOUTHERN TRACKS. THE SITE IS MODERATELY SLOPED. THE SITE IS LOCATED WITHIN THE POHICK CREEK WATERSHED.		EROSION AND SEDIMENT CONTROL MEASURES	
11-0406.3 (38-93-PFM) ALL STORM AND SANITARY SEWER LINES NOT IN STREETS SHALL BE SEEDED AND MULCHED WITHIN 14 DAYS AFTER BACKFILL. NO MORE THAN 500' (150 M) SHALL BE OPEN AT ANY ONE TIME.		MS-12. WHEN WORK IN A LIVE WATERCOURSE IS PERFORMED, PRECAUTIONS SHALL BE TAKEN TO MINIMIZE ENCROACHMENT, CONTROL SEDIMENT TRANSPORT, AND STABILIZE THE WORK AREA TO THE GREATEST POSSIBLE EXTENT DURING CONSTRUCTION. NON-ERODIBLE MATERIAL SHALL BE USED FOR THE CONSTRUCTION OF CAUSEWAYS AND COFFERDAMS. EARTHEN FILL MAY BE USED FOR THESE STRUCTURES IF ARMORED BY NON-ERODIBLE COVER MATERIALS.		D. THE APPLICANT SHALL PROVIDE EVIDENCE OF PERMISSION TO MAKE THE IMPROVEMENTS. E. ALL HYDROLOGIC ANALYSES SHALL BE BASED ON THE EXISTING WATERSHED CHARACTERISTICS AND THE ULTIMATE DEVELOPMENT OF THE SUBJECT PROJECT. F. IF THE APPLICANT CHOOSES AN OPTION THAT INCLUDES STORMWATER DETENTION, HE SHALL OBTAIN APPROVAL FROM THE LOCALITY OF A PLAN FOR MAINTENANCE OF THE DETENTION FACILITIES. THE PLAN SHALL SET FORTH MAINTENANCE REQUIREMENTS OF THE FACILITY AND DESIGNATE THE PERSON RESPONSIBLE FOR PERFORMING THE MAINTENANCE G. OUTFALL FROM A DETENTION FACILITY SHALL BE DISCHARGED TO A RECEIVING CHANNEL, AND ENERGY DISSIPATORS PLACED AT THE OUTFALL OF THE DETENTION FACILITIES AS NECESSARY TO PROVIDE A STABLE TRANSITION FROM THE FACILITY TO THE RECEIVING CHANNEL. H. ALL ON-SITE CHANNELS MUST BE VERIFIED TO BE ADEQUATE. I. INCREASED VOLUMES OF SHEET FLOWS CAUSING EROSION OR SEDIMENTATION ON ADJACENT PROPERTY SHALL BE DIVERTED TO A STABLE OUTLET, ADEQUATE CHANNEL, PIPE OR PIPE SYSTEM, OR TO A DETENTION FACILITY. J. IN APPLYING THESE STORMWATER RUNOFF CRITERIA, INDIVIDUAL LOTS OR PARCELS IN A RESIDENTIAL, COMMERCIAL, OR INDUSTRIAL DEVELOPMENT SHALL NOT BE CONSIDERED TO BE SEPARATE DEVELOPMENT PROJECTS. INSTEAD, THE DEVELOPMENT AS A WHOLE SHALL BE TREATED AS A SINGLE PROJECT. HYDROLOGIC PARAMETERS THAT REFLECT THE ULTIMATE DEVELOPMENT STATE SHALL BE USED IN ALL ENGINEERING CALCULATIONS. K. ALL MEASURES USED TO PROTECT PROPERTIES AND WATERWAYS SHALL BE EXECUTED IN A MANNER THAT MINIMIZES THE IMPACT ON THE PHYSICAL, CHEMICAL, AND BIOLOGICAL INTEGRITY OF RIVERS, STREAMS, AND OTHER STATE WATERS.		ES-4 A COPY OF THE APPROVED EROSION AND SEDIMENT CONTROL PLAN SHALL BE MAINTAINED ON THE SITE AT ALL TIMES.		ADJACENT AREAS THE AREA TO THE NORTH ON THE OTHER SIDE OF THE TRAIN TRACKS IS A SINGLE FAMILY NEIGHBORHOOD. THE AREA TO THE SOUTHWEST ON THE OTHER SIDE OF THE STATION PARKING LOT IS ALSO SINGLE FAMILY RESIDENTIAL. THE PARCEL SOUTHEAST OF THE SITE IS UNDEVELOPED AND FORESTED WITH A STREAM.		TEMPORARY CONSTRUCTION ENTRANCE - 3.02 ALL CONSTRUCTION TRAFFIC ACCESS SHALL TO DISTURBED AREAS SHALL BE LIMITED TO THE CONSTRUCTION ENTRANCE(S)	
11-0406.4 (38-93-PFM) ELECTRIC POWER, TELEPHONE AND GAS SUPPLY TRENCHES SHALL BE COMPACTED, SEEDED AND MULCHED WITHIN 14 DAYS AFTER BACKFILL.		MS-13. WHEN A LIVE WATERCOURSE MUST BE CROSSED BY CONSTRUCTION VEHICLES MORE THAN TWICE IN ANY SIX-MONTH PERIOD, A TEMPORARY VEHICULAR STREAM CROSSING CONSTRUCTED OF NON-ERODIBLE MATERIAL SHALL BE PROVIDED.		D. THE APPLICANT SHALL PROVIDE EVIDENCE OF PERMISSION TO MAKE THE IMPROVEMENTS. E. ALL HYDROLOGIC ANALYSES SHALL BE BASED ON THE EXISTING WATERSHED CHARACTERISTICS AND THE ULTIMATE DEVELOPMENT OF THE SUBJECT PROJECT. F. IF THE APPLICANT CHOOSES AN OPTION THAT INCLUDES STORMWATER DETENTION, HE SHALL OBTAIN APPROVAL FROM THE LOCALITY OF A PLAN FOR MAINTENANCE OF THE DETENTION FACILITIES. THE PLAN SHALL SET FORTH MAINTENANCE REQUIREMENTS OF THE FACILITY AND DESIGNATE THE PERSON RESPONSIBLE FOR PERFORMING THE MAINTENANCE G. OUTFALL FROM A DETENTION FACILITY SHALL BE DISCHARGED TO A RECEIVING CHANNEL, AND ENERGY DISSIPATORS PLACED AT THE OUTFALL OF THE DETENTION FACILITIES AS NECESSARY TO PROVIDE A STABLE TRANSITION FROM THE FACILITY TO THE RECEIVING CHANNEL. H. ALL ON-SITE CHANNELS MUST BE VERIFIED TO BE ADEQUATE. I. INCREASED VOLUMES OF SHEET FLOWS CAUSING EROSION OR SEDIMENTATION ON ADJACENT PROPERTY SHALL BE DIVERTED TO A STABLE OUTLET, ADEQUATE CHANNEL, PIPE OR PIPE SYSTEM, OR TO A DETENTION FACILITY. J. IN APPLYING THESE STORMWATER RUNOFF CRITERIA, INDIVIDUAL LOTS OR PARCELS IN A RESIDENTIAL, COMMERCIAL, OR INDUSTRIAL DEVELOPMENT SHALL NOT BE CONSIDERED TO BE SEPARATE DEVELOPMENT PROJECTS. INSTEAD, THE DEVELOPMENT AS A WHOLE SHALL BE TREATED AS A SINGLE PROJECT. HYDROLOGIC PARAMETERS THAT REFLECT THE ULTIMATE DEVELOPMENT STATE SHALL BE USED IN ALL ENGINEERING CALCULATIONS. K. ALL MEASURES USED TO PROTECT PROPERTIES AND WATERWAYS SHALL BE EXECUTED IN A MANNER THAT MINIMIZES THE IMPACT ON THE PHYSICAL, CHEMICAL, AND BIOLOGICAL INTEGRITY OF RIVERS, STREAMS, AND OTHER STATE WATERS.		ES-5 PRIOR TO COMMENCING LAND DISTURBING ACTIVITIES IN AREAS OTHER THAN INDICATED ON THESE PLANS (INCLUDING, BUT NOT LIMITED TO, OFF-SITE BORROW OR WASTE AREAS), THE CONTRACTOR SHALL SUBMIT A SUPPLEMENTARY EROSION CONTROL PLAN TO THE OWNER FOR REVIEW AND APPROVAL BY THE PLAN APPROVING AUTHORITY.		OFF-SITE AREAS THERE ARE NO OFF-SITE LAND-DISTURBING ACTIVITIES THAT WILL OCCUR.		THE CONSTRUCTION ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOW OF MUD ONTO PUBLIC RIGHT-OF-WAY, OR UNNECESSARILY THROUGHOUT THE SITE. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE OR THE WASHING AND REWORKING OF EXISTING STONE AS CONDITIONS DEMAND AND REPAIR AND/OR CLEAN-OUT OF ANY STRUCTURES USED TO TRAP SEDIMENT. ALL MATERIALS SPILLED, DROPPED, WASHED, OR TRACKED FROM VEHICLES ONTO ROADWAYS OR INTO STORM DRAINS MUST BE REMOVED IMMEDIATELY. THE USE OF WATER TRUCKS TO REMOVE MATERIALS DROPPED, WASHED, OR TRACKED ONTO ROADWAYS WILL NOT BE PERMITTED UNLESS RUNOFF IS DIRECTED TO ADEQUATE EROSION AND SEDIMENT CONTROL MEASURES. EXISTING ONSITE FIRE HYDRANTS TO BE USED FOR WATER SOURCE FOR WASHING PURPOSES, SUBJECT TO FAIRFAX WATER PERMISSION AND REGULATIONS.	
11-0406.5 (38-93-PFM) ALL TEMPORARY EARTH BERMS, DIVERSIONS AND SEDIMENT CONTROL DAMS SHALL BE SEEDED AND MULCHED FOR TEMPORARY VEGETATIVE COVER IMMEDIATELY (AS SOON AS POSSIBLE BUT NO LATER THAN 48 HR) AFTER COMPLETION OF GRADING. STRAW OR HAY MULCH IS REQUIRED. ALL SOIL STOCKPILES SHALL BE SEEDED AND MULCHED WITHIN 14 DAYS AFTER GRADING.		MS-14. ALL APPLICABLE FEDERAL, STATE, AND LOCAL REGULATIONS PERTAINING TO WORKING IN OR CROSSING LIVE WATERCOURSES SHALL BE MET.		D. THE APPLICANT SHALL PROVIDE EVIDENCE OF PERMISSION TO MAKE THE IMPROVEMENTS. E. ALL HYDROLOGIC ANALYSES SHALL BE BASED ON THE EXISTING WATERSHED CHARACTERISTICS AND THE ULTIMATE DEVELOPMENT OF THE SUBJECT PROJECT. F. IF THE APPLICANT CHOOSES AN OPTION THAT INCLUDES STORMWATER DETENTION, HE SHALL OBTAIN APPROVAL FROM THE LOCALITY OF A PLAN FOR MAINTENANCE OF THE DETENTION FACILITIES. THE PLAN SHALL SET FORTH MAINTENANCE REQUIREMENTS OF THE FACILITY AND DESIGNATE THE PERSON RESPONSIBLE FOR PERFORMING THE MAINTENANCE G. OUTFALL FROM A DETENTION FACILITY SHALL BE DISCHARGED TO A RECEIVING CHANNEL, AND ENERGY DISSIPATORS PLACED AT THE OUTFALL OF THE DETENTION FACILITIES AS NECESSARY TO PROVIDE A STABLE TRANSITION FROM THE FACILITY TO THE RECEIVING CHANNEL. H. ALL ON-SITE CHANNELS MUST BE VERIFIED TO BE ADEQUATE. I. INCREASED VOLUMES OF SHEET FLOWS CAUSING EROSION OR SEDIMENTATION ON ADJACENT PROPERTY SHALL BE DIVERTED TO A STABLE OUTLET, ADEQUATE CHANNEL, PIPE OR PIPE SYSTEM, OR TO A DETENTION FACILITY. J. IN APPLYING THESE STORMWATER RUNOFF CRITERIA, INDIVIDUAL LOTS OR PARCELS IN A RESIDENTIAL, COMMERCIAL, OR INDUSTRIAL DEVELOPMENT SHALL NOT BE CONSIDERED TO BE SEPARATE DEVELOPMENT PROJECTS. INSTEAD, THE DEVELOPMENT AS A WHOLE SHALL BE TREATED AS A SINGLE PROJECT. HYDROLOGIC PARAMETERS THAT REFLECT THE ULTIMATE DEVELOPMENT STATE SHALL BE USED IN ALL ENGINEERING CALCULATIONS. K. ALL MEASURES USED TO PROTECT PROPERTIES AND WATERWAYS SHALL BE EXECUTED IN A MANNER THAT MINIMIZES THE IMPACT ON THE PHYSICAL, CHEMICAL, AND BIOLOGICAL INTEGRITY OF RIVERS, STREAMS, AND OTHER STATE WATERS.		ES-6 THE CONTRACTOR IS RESPONSIBLE FOR INSTALLATION OF ANY ADDITIONAL EROSION CONTROL MEASURES NECESSARY TO PREVENT EROSION AND SEDIMENTATION AS DETERMINED BY THE PLAN APPROVING AUTHORITY.		CRITICAL AREAS THERE ARE NO AREAS ON THE SITE WHICH HAVE POTENTIAL SERIOUS EROSION PROBLEMS. THERE IS A COUNTY MAPPED RESOURCE PROTECTION AREA (RPA) ONSITE, ADJACENT TO THE PROPOSED CLEARING LIMITS. DO NOT ENCROACH IN THE RPA WITH SITE CONSTRUCTION.		SILT FENCE/SUPER SILT FENCE BARRIER - 3.05 SILT FENCE SEDIMENT BARRIERS WILL BE INSTALLED DOWNSLOPE OF AREAS WITH MINIMAL GRADES TO FILTER SEDIMENT-LADEN SHEET FLOW AS INDICATED ON THE PLANS.	
11-0406.6 DURING CONSTRUCTION, ALL STORM SEWER INLETS SHALL BE PROTECTED BY SEDIMENT TRAPS, MAIN-TAINED AND MODIFIED DURING CONSTRUCTION PROGRESS AS REQUIRED.		MS-15. THE BED AND BANKS OF A WATERCOURSE SHALL BE STABILIZED IMMEDIATELY AFTER WORK IN THE WATERCOURSE IS COMPLETED.		D. THE APPLICANT SHALL PROVIDE EVIDENCE OF PERMISSION TO MAKE THE IMPROVEMENTS. E. ALL HYDROLOGIC ANALYSES SHALL BE BASED ON THE EXISTING WATERSHED CHARACTERISTICS AND THE ULTIMATE DEVELOPMENT OF THE SUBJECT PROJECT. F. IF THE APPLICANT CHOOSES AN OPTION THAT INCLUDES STORMWATER DETENTION, HE SHALL OBTAIN APPROVAL FROM THE LOCALITY OF A PLAN FOR MAINTENANCE OF THE DETENTION FACILITIES. THE PLAN SHALL SET FORTH MAINTENANCE REQUIREMENTS OF THE FACILITY AND DESIGNATE THE PERSON RESPONSIBLE FOR PERFORMING THE MAINTENANCE G. OUTFALL FROM A DETENTION FACILITY SHALL BE DISCHARGED TO A RECEIVING CHANNEL, AND ENERGY DISSIPATORS PLACED AT THE OUTFALL OF THE DETENTION FACILITIES AS NECESSARY TO PROVIDE A STABLE TRANSITION FROM THE FACILITY TO THE RECEIVING CHANNEL. H. ALL ON-SITE CHANNELS MUST BE VERIFIED TO BE ADEQUATE. I. INCREASED VOLUMES OF SHEET FLOWS CAUSING EROSION OR SEDIMENTATION ON ADJACENT PROPERTY SHALL BE DIVERTED TO A STABLE OUTLET, ADEQUATE CHANNEL, PIPE OR PIPE SYSTEM, OR TO A DETENTION FACILITY. J. IN APPLYING THESE STORMWATER RUNOFF CRITERIA, INDIVIDUAL LOTS OR PARCELS IN A RESIDENTIAL, COMMERCIAL, OR INDUSTRIAL DEVELOPMENT SHALL NOT BE CONSIDERED TO BE SEPARATE DEVELOPMENT PROJECTS. INSTEAD, THE DEVELOPMENT AS A WHOLE SHALL BE TREATED AS A SINGLE PROJECT. HYDROLOGIC PARAMETERS THAT REFLECT THE ULTIMATE DEVELOPMENT STATE SHALL BE USED IN ALL ENGINEERING CALCULATIONS. K. ALL MEASURES USED TO PROTECT PROPERTIES AND WATERWAYS SHALL BE EXECUTED IN A MANNER THAT MINIMIZES THE IMPACT ON THE PHYSICAL, CHEMICAL, AND BIOLOGICAL INTEGRITY OF RIVERS, STREAMS, AND OTHER STATE WATERS.		ES-7 ALL DISTURBED AREAS ARE TO DRAIN TO APPROVED SEDIMENT CONTROL MEASURES AT AL TIMES DURING LAND DISTURBING ACTIVITIES AND DURING SITE DEVELOPMENT UNTIL FINAL STABILIZATION IS ACHIEVED.		SOILS A SOILS MAP HAS BEEN PROVIDED ON THE COVER SHEET THAT IDENTIFIES THE EXISTING SOILS TO BE		SAFETY FENCE - 3.01 A PROTECTIVE BARRIER INSTALLED TO PREVENT ACCESS TO AN EROSION CONTROL MEASURE TO PROHIBIT THE UNDESIRABLE USE OF AN EROSION CONTROL MEASURE BY THE PUBLIC.	
11-0406.7 ANY DISTURBED AREA NOT COVERED BY § 11-0406.1 AND NOT PAVED, SODDED OR BUILT UPON BY NOVEMBER 1, OR DISTURBED AFTER THAT DATE, SHALL BE MULCHED IMMEDIATELY WITH HAY OR STRAW MULCH AT THE RATE OF 2 TONS/ACRE (4483 KG/Ha) AND OVER-SEEDED BY APRIL 15.		MS-16. UNDERGROUND UTILITY LINES SHALL BE INSTALLED IN ACCORDANCE WITH THE FOLLOWING STANDARDS IN ADDITION TO OTHER APPLICABLE CRITERIA:		D. THE APPLICANT SHALL PROVIDE EVIDENCE OF PERMISSION TO MAKE THE IMPROVEMENTS. E. ALL HYDROLOGIC ANALYSES SHALL BE BASED ON THE EXISTING WATERSHED CHARACTERISTICS AND THE ULTIMATE DEVELOPMENT OF THE SUBJECT PROJECT. F. IF THE APPLICANT CHOOSES AN OPTION THAT INCLUDES STORMWATER DETENTION, HE SHALL OBTAIN APPROVAL FROM THE LOCALITY OF A PLAN FOR MAINTENANCE OF THE DETENTION FACILITIES. THE PLAN SHALL SET FORTH MAINTENANCE REQUIREMENTS OF THE FACILITY AND DESIGNATE THE PERSON RESPONSIBLE FOR PERFORMING THE MAINTENANCE G. OUTFALL FROM A DETENTION FACILITY SHALL BE DISCHARGED TO A RECEIVING CHANNEL, AND ENERGY DISSIPATORS PLACED AT THE OUTFALL OF THE DETENTION FACILITIES AS NECESSARY TO PROVIDE A STABLE TRANSITION FROM THE FACILITY TO THE RECEIVING CHANNEL. H. ALL ON-SITE CHANNELS MUST BE VERIFIED TO BE ADEQUATE. I. INCREASED VOLUMES OF SHEET FLOWS CAUSING EROSION OR SEDIMENTATION ON ADJACENT PROPERTY SHALL BE DIVERTED TO A STABLE OUTLET, ADEQUATE CHANNEL, PIPE OR PIPE SYSTEM, OR TO A DETENTION FACILITY. J. IN APPLYING THESE STORMWATER RUNOFF CRITERIA, INDIVIDUAL LOTS OR PARCELS IN A RESIDENTIAL, COMMERCIAL, OR INDUSTRIAL DEVELOPMENT SHALL NOT BE CONSIDERED TO BE SEPARATE DEVELOPMENT PROJECTS. INSTEAD, THE DEVELOPMENT AS A WHOLE SHALL BE TREATED AS A SINGLE PROJECT. HYDROLOGIC PARAMETERS THAT REFLECT THE ULTIMATE DEVELOPMENT STATE SHALL BE USED IN ALL ENGINEERING CALCULATIONS. K. ALL MEASURES USED TO PROTECT PROPERTIES AND WATERWAYS SHALL BE EXECUTED IN A MANNER THAT MINIMIZES THE IMPACT ON THE PHYSICAL, CHEMICAL, AND BIOLOGICAL INTEGRITY OF RIVERS, STREAMS, AND OTHER STATE WATERS.		ES-8 DURING DEWATERING OPERATIONS, WATER WILL BE PUMPED INTO AN APPROVED FILTERING DEVICE.		SOIL NAME EROSION POTENTIAL 105B WHEATON GLENELG COMPLEX(2-7% SLOPES) HIGH 105C WHEATON GLENELG COMPLEX(7-15% SLOPES) HIGH		PERMANENT STABILIZATION ALL AREAS DISTURBED BY CONSTRUCTION OPERATIONS AND NEWLY GRADED AREAS SHALL BE SODDED ON SLOPES STEEPER THAN 3:1 AND SEEDED ON ALL OTHER AREAS. IF SEEDING AND SODDING CANNOT BE ACCOMPLISHED DURING SCHEDULED TIME, PROTECT DISTURBED AREAS WITH MULCH OR JUTE MESH. RECOMMENDED SEEDING AND SODDING TIME SHALL BE IN SPRING BETWEEN FEBRUARY 1 AND APRIL 30 OR IN FALL BETWEEN SEPTEMBER 1 AND OCTOBER 15.	
11-0406.8 AT THE COMPLETION OF ANY PROJECT CONSTRUCTION AND PRIOR TO BOND RELEASE, ALL TEMPORARY SEDIMENT CONTROLS SHALL BE REMOVED AND ALL DENUEDED AREAS SHALL BE STABILIZED.		MS-17. WHERE CONSTRUCTION VEHICLE ACCESS ROUTES INTERSECT PAVED OR PUBLIC ROADS, PROVISIONS SHALL BE MADE TO MINIMIZE THE TRANSPORT OF SEDIMENT BY VEHICULAR TRACKING ONTO THE PAVED SURFACE. WHERE SEDIMENT IS TRANSPORTED ONTO A PAVED OR PUBLIC ROAD SURFACE, THE ROAD SURFACE SHALL BE CLEANED THOROUGHLY AT THE END OF EACH DAY. STREET WASHING SHALL BE ALLOWED ONLY AFTER SEDIMENT IS REMOVED IN THIS MANNER. THIS PROVISION SHALL APPLY TO INDIVIDUAL DEVELOPMENT LOTS AS WELL AS TO LARGER LAND-DISTURBING ACTIVITIES.		D. THE APPLICANT SHALL PROVIDE EVIDENCE OF PERMISSION TO MAKE THE IMPROVEMENTS. E. ALL HYDROLOGIC ANALYSES SHALL BE BASED ON THE EXISTING WATERSHED CHARACTERISTICS AND THE ULTIMATE DEVELOPMENT OF THE SUBJECT PROJECT. F. IF THE APPLICANT CHOOSES AN OPTION THAT INCLUDES STORMWATER DETENTION, HE SHALL OBTAIN APPROVAL FROM THE LOCALITY OF A PLAN FOR MAINTENANCE OF THE DETENTION FACILITIES. THE PLAN SHALL SET FORTH MAINTENANCE REQUIREMENTS OF THE FACILITY AND DESIGNATE THE PERSON RESPONSIBLE FOR PERFORMING THE MAINTENANCE G. OUTFALL FROM A DETENTION FACILITY SHALL BE DISCHARGED TO A RECEIVING CHANNEL, AND ENERGY DISSIPATORS PLACED AT THE OUTFALL OF THE DETENTION FACILITIES AS NECESSARY TO PROVIDE A STABLE TRANSITION FROM THE FACILITY TO THE RECEIVING CHANNEL. H. ALL ON-SITE CHANNELS MUST BE VERIFIED TO BE ADEQUATE. I. INCREASED VOLUMES OF SHEET FLOWS CAUSING EROSION OR SEDIMENTATION ON ADJACENT PROPERTY SHALL BE DIVERTED TO A STABLE OUTLET, ADEQUATE CHANNEL, PIPE OR PIPE SYSTEM, OR TO A DETENTION FACILITY. J. IN APPLYING THESE STORMWATER RUNOFF CRITERIA, INDIVIDUAL LOTS OR PARCELS IN A RESIDENTIAL, COMMERCIAL, OR INDUSTRIAL DEVELOPMENT SHALL NOT BE CONSIDERED TO BE SEPARATE DEVELOPMENT PROJECTS. INSTEAD, THE DEVELOPMENT AS A WHOLE SHALL BE TREATED AS A SINGLE PROJECT. HYDROLOGIC PARAMETERS THAT REFLECT THE ULTIMATE DEVELOPMENT STATE SHALL BE USED IN ALL ENGINEERING CALCULATIONS. K. ALL MEASURES USED TO PROTECT PROPERTIES AND WATERWAYS SHALL BE EXECUTED IN A MANNER THAT MINIMIZES THE IMPACT ON THE PHYSICAL, CHEMICAL, AND BIOLOGICAL INTEGRITY OF RIVERS, STREAMS, AND OTHER STATE WATERS.		ES-9 THE CONTRACTOR SHALL INSPECT ALL EROSION CONTROL MEASURES PERIODICALLY AND AFTER EACH RUNOFF-PRODUCING RAINFALL EVENT. ANY NECESSARY REPAIRS OR CLEANUP TO MAINTAIN THE EFFECTIVENESS OF THE EROSION CONTROL DEVICES SHALL BE MADE IMMEDIATELY.		(105) WHEATON-GLENELG COMPLEX - THIS COMPLEX IS A MIXTURE OF THE DEVELOPMENT-DISTURBED WHEATON SOIL AND THE NATURAL GLENELG SOIL. THE COMPLEX OCCURS IN UPLAND AREAS OF THE PIEDMONT WITH MICACEOUS SCHIST AND PHYLLITE BEDROCK THAT HAVE BEEN DEVELOPED BUT RETAIN A GOOD PORTION OF UNDISTURBED SOIL. WHEATON SOIL WILL BE CLUSTERED AROUND FOUNDATIONS, STREETS, SIDEWALKS, PLAYING FIELDS AND OTHER GRADED AREAS. GLENELG SOIL WILL BE FOUND UNDER OLDER VEGETATION IN UNGRADED BACK AND FRONT YARDS AND COMMON AREAS. FOR A DESCRIPTION OF THE TWO SOILS THAT MAKE UP THIS MAP UNIT, PLEASE SEE (102) WHEATON AND (39) GLENELG.		SELECTION OF PLANT MATERIAL IS BASED ON CLIMATE, TOPOGRAPHY, SOILS, LAND USE AND PLANTING SEASON. A SITE SPECIFIC MIX DETERMINED USING TABLES 3.32A AND 3.32B OF THE VESCH. ALL PERMANENT SEEDING SHALL BE PLACED PER THE VESCH 3.32. SOD SHALL BE PLACED ACCORDING TO SECTION 3.32 OF THE VESCH AND AS NECESSARY BASED ON THE ABOVE GENERAL STATEMENT. ALL STABILIZATION TO BE COORDINATED WITH THE LANDSCAPE PLANS.	
MINIMUM STANDARDS		A. NO MORE THAN 500 LINEAR FEET OF TRENCH MAY BE OPENED AT ONE TIME. E. EXCAVATED MATERIAL SHALL BE PLACED ON THE UPHILL SIDE OF TRENCHES. C. EFFLUENT FROM DEWATERING OPERATIONS SHALL BE FILTERED OR PASSED THROUGH AN APPROVED SEDIMENT TRAPPING DEVICE, OR BOTH, AND DISCHARGED IN A MANNER THAT DOES NOT ADVERSELY AFFECT FLOWING STREAMS OR OFF-SITE PROPERTY. D. MATERIAL USED FOR BACKFILLING TRENCHES SHALL BE PROPERLY COMPACTED IN ORDER TO MINIMIZE EROSION AND PROMOTE STABILIZATION. (GENERAL LAND CONSERVATION NOTE #4) E. RE-STABILIZATION SHALL BE ACCOMPLISHED IN ACCORDANCE WITH THESE REGULATIONS. F. APPLICABLE SAFETY REGULATIONS SHALL BE COMPLIED WITH.		D. THE APPLICANT SHALL PROVIDE EVIDENCE OF PERMISSION TO MAKE THE IMPROVEMENTS. E. ALL HYDROLOGIC ANALYSES SHALL BE BASED ON THE EXISTING WATERSHED CHARACTERISTICS AND THE ULTIMATE DEVELOPMENT OF THE SUBJECT PROJECT. F. IF THE APPLICANT CHOOSES AN OPTION THAT INCLUDES STORMWATER DETENTION, HE SHALL OBTAIN APPROVAL FROM THE LOCALITY OF A PLAN FOR MAINTENANCE OF THE DETENTION FACILITIES. THE PLAN SHALL SET FORTH MAINTENANCE REQUIREMENTS OF THE FACILITY AND DESIGNATE THE PERSON RESPONSIBLE FOR PERFORMING THE MAINTENANCE G. OUTFALL FROM A DETENTION FACILITY SHALL BE DISCHARGED TO A RECEIVING CHANNEL, AND ENERGY DISSIPATORS PLACED AT THE OUTFALL OF THE DETENTION FACILITIES AS NECESSARY TO PROVIDE A STABLE TRANSITION FROM THE FACILITY TO THE RECEIVING CHANNEL. H. ALL ON-SITE CHANNELS MUST BE VERIFIED TO BE ADEQUATE. I. INCREASED VOLUMES OF SHEET FLOWS CAUSING EROSION OR SEDIMENTATION ON ADJACENT PROPERTY SHALL BE DIVERTED TO A STABLE OUTLET, ADEQUATE CHANNEL, PIPE OR PIPE SYSTEM, OR TO A DETENTION FACILITY. J. IN APPLYING THESE STORMWATER RUNOFF CRITERIA, INDIVIDUAL LOTS OR PARCELS IN A RESIDENTIAL, COMMERCIAL, OR INDUSTRIAL DEVELOPMENT SHALL NOT BE CONSIDERED TO BE SEPARATE DEVELOPMENT PROJECTS. INSTEAD, THE DEVELOPMENT AS A WHOLE SHALL BE TREATED AS A SINGLE PROJECT. HYDROLOGIC PARAMETERS THAT REFLECT THE ULTIMATE DEVELOPMENT STATE SHALL BE USED IN ALL ENGINEERING CALCULATIONS. K. ALL MEASURES USED TO PROTECT PROPERTIES AND WATERWAYS SHALL BE EXECUTED IN A MANNER THAT MINIMIZES THE IMPACT ON THE PHYSICAL, CHEMICAL, AND BIOLOGICAL INTEGRITY OF RIVERS, STREAMS, AND OTHER STATE WATERS.		ES-10 DURING DEWATERING OPERATIONS, WATER WILL BE PUMPED INTO AN APPROVED FILTERING DEVICE.		CONSTRUCTION PHASING THIS PLAN PROPOSES A 2 PHASE APPROACH TO EROSION AND SEDIMENT CONTROL.		PERMANENT & TEMPORARY SEEDING AND STABILIZATION: THE ESTABLISHMENT OF A TEMPORARY VEGETATIVE COVER ON DISTURBED AREAS BY SEEDING WITH APPROPRIATE RAPIDLY GROWING ANNUAL PLANTS; EMPLOYED TO REDUCE EROSION AND SEDIMENTATION BY STABILIZING DISTURBED AREAS THAT WILL NOT BE BROUGHT TO FINAL GRADE FOR A PERIOD OF MORE THAN 14 DAYS, TO REDUCE DAMAGE FROM SEDIMENT AND RUNOFF TO DOWNSTREAM OR OFF-SITE AREAS, AND TO PROVIDE PROTECTION TO BARE SOILS EXPOSED DURING CONSTRUCTION UNTIL PERMANENT VEGETATION OR OTHER EROSION CONTROL MEASURES CAN BE ESTABLISHED. WHERE EXPOSED SOIL SURFACES ARE NOT TO BE FINE-GRADED FOR PERIODS LONGER THAN 30 DAYS, SUCH AREAS INCLUDE DENUEDED AREAS, SOIL STOCKPILES, DIKES, DAMS, SIDES OF SEDIMENT BASINS, TEMPORARY ROADBANKS, ETC. (SEE MS #1 AND MS #2 ON THIS SHEET). A PERMANENT VEGETATIVE COVER SHALL BE APPLIED TO AREAS THAT WILL BE LEFT DORMANT FOR A PERIOD OF MORE THAN 1 YEAR.	
MS-1. PERMANENT OR TEMPORARY SOIL STABILIZATION SHALL BE APPLIED TO DENUEDED AREAS WITHIN SEVEN DAYS AFTER FINAL GRADE IS REACHED ON ANY PORTION OF THE SITE. TEMPORARY SOIL STABILIZATION SHALL BE APPLIED WITHIN 7 DAYS TO DENUEDED AREAS THAT MAY NOT BE AT FINAL GRADE BUT WILL REMAIN DORMANT FOR LONGER THAN 30 DAYS. PERMANENT STABILIZATION SHALL BE APPLIED TO AREAS THAT ARE TO BE LEFT DORMANT FOR MORE THAN ONE YEAR. (SEE TEMPORARY AND PERMANENT STABILIZATION ON THIS SHEET)		MS-18. ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED WITHIN 30 DAYS AFTER FINAL SITE STABILIZATION OR AFTER THE TEMPORARY MEASURES ARE NO LONGER NEEDED, UNLESS OTHERWISE AUTHORIZED BY THE LOCAL PROGRAM. TRAPPED SEDIMENT AND DISTURBED SOIL AREAS RESULTING FROM THE DISPOSITION OF TEMPORARY MEASURES SHALL BE PERMANENTLY STABILIZED TO PREVENT FURTHER EROSION AND SEDIMENTATION.		D. THE APPLICANT SHALL PROVIDE EVIDENCE OF PERMISSION TO MAKE THE IMPROVEMENTS. E. ALL HYDROLOGIC ANALYSES SHALL BE BASED ON THE EXISTING WATERSHED CHARACTERISTICS AND THE ULTIMATE DEVELOPMENT OF THE SUBJECT PROJECT. F. IF THE APPLICANT CHOOSES AN OPTION THAT INCLUDES STORMWATER DETENTION, HE SHALL OBTAIN APPROVAL FROM THE LOCALITY OF A PLAN FOR MAINTENANCE OF THE DETENTION FACILITIES. THE PLAN SHALL SET FORTH MAINTENANCE REQUIREMENTS OF THE FACILITY AND DESIGNATE THE PERSON RESPONSIBLE FOR PERFORMING THE MAINTENANCE G. OUTFALL FROM A DETENTION FACILITY SHALL BE DISCHARGED TO A RECEIVING CHANNEL, AND ENERGY DISSIPATORS PLACED AT THE OUTFALL OF THE DETENTION FACILITIES AS NECESSARY TO PROVIDE A STABLE TRANSITION FROM THE FACILITY TO THE RECEIVING CHANNEL. H. ALL ON-SITE CHANNELS MUST BE VERIFIED TO BE ADEQUATE. I. INCREASED VOLUMES OF SHEET FLOWS CAUSING EROSION OR SEDIMENTATION ON ADJACENT PROPERTY SHALL BE DIVERTED TO A STABLE OUTLET, ADEQUATE CHANNEL, PIPE OR PIPE SYSTEM, OR TO A DETENTION FACILITY. J. IN APPLYING THESE STORMWATER RUNOFF CRITERIA, INDIVIDUAL LOTS OR PARCELS IN A RESIDENTIAL, COMMERCIAL, OR INDUSTRIAL DEVELOPMENT SHALL NOT BE CONSIDERED TO BE SEPARATE DEVELOPMENT PROJECTS. INSTEAD, THE DEVELOPMENT AS A WHOLE SHALL BE TREATED AS A SINGLE PROJECT. HYDROLOGIC PARAMETERS THAT REFLECT THE ULTIMATE DEVELOPMENT STATE SHALL BE USED IN ALL ENGINEERING CALCULATIONS. K. ALL MEASURES USED TO PROTECT PROPERTIES AND WATERWAYS SHALL BE EXECUTED IN A MANNER THAT MINIMIZES THE IMPACT ON THE PHYSICAL, CHEMICAL, AND BIOLOGICAL INTEGRITY OF RIVERS, STREAMS, AND OTHER STATE WATERS.		ES-11 THE CONTRACTOR SHALL INSPECT ALL EROSION CONTROL MEASURES PERIODICALLY AND AFTER EACH RUNOFF-PRODUCING RAINFALL EVENT. ANY NECESSARY REPAIRS OR CLEANUP TO MAINTAIN THE EFFECTIVENESS OF THE EROSION CONTROL DEVICES SHALL BE MADE IMMEDIATELY.		PHASE 1 - INITIAL CLEARING AND GRADING CONSTRUCTION WILL BE SEQUENCED SO THAT GRADING OPERATIONS CAN BEGIN AND END AS QUICKLY AS POSSIBLE. THIS PROJECT PROPOSES DEMOLITION OF A PORTION OF THE EXISTING PLATFORM. THE PHASE 1 CONSTRUCTION LIMITS AS SHOWN ON THE PHASE 1 EROSION AND SEDIMENT CONTROL PLANS ARE INTENDED TO DELINEATE THE INSTALLATION OF PERIMETER CONTROLS ONLY.		SELECTION OF PLANT MATERIAL IS BASED ON CLIMATE, TOPOGRAPHY, SOILS, LAND USE AND PLANTING SEASON. A SITE SPECIFIC MIX DETERMINED USING TABLES 3.32A AND 3.32B OF THE VESCH. ALL PERMANENT SEEDING SHALL BE PLACED PER THE VESCH 3.32. SOD SHALL BE PLACED ACCORDING TO SECTION 3.32 OF THE VESCH AND AS NECESSARY BASED ON THE ABOVE GENERAL STATEMENT. ALL STABILIZATION TO BE COORDINATED WITH THE LANDSCAPE PLANS.	
MS-2. DURING CONSTRUCTION OF THE PROJECT, SOIL STOCKPILES AND BORROW AREAS SHALL BE STABILIZED OR PROTECTED WITH SEDIMENT TRAPPING MEASURES. THE APPLICANT IS RESPONSIBLE FOR THE TEMPORARY PROTECTION AND PERMANENT STABILIZATION OF ALL SOIL STOCKPILES ON SITE AS WELL AS BORROW AREAS AND SOIL INTENTIONALLY TRANSPORTED FROM THE PROJECT SITE.		MS-19. PROPERTIES AND WATERWAYS DOWNSTREAM FROM DEVELOPMENT SITES SHALL BE PROTECTED FROM SEDIMENT DEPOSITION, EROSION, AND DAMAGE DUE TO INCREASES IN VOLUME, VELOCITY, AND PEAK FLOW RATE OF STORMWATER RUNOFF FOR THE STATED FREQUENCY STORM OF 24-HOUR DURATION IN ACCORDANCE WITH THE FOLLOWING STANDARDS AND CRITERIA:		D. THE APPLICANT SHALL PROVIDE EVIDENCE OF PERMISSION TO MAKE THE IMPROVEMENTS. E. ALL HYDROLOGIC ANALYSES SHALL BE BASED ON THE EXISTING WATERSHED CHARACTERISTICS AND THE ULTIMATE DEVELOPMENT OF THE SUBJECT PROJECT. F. IF THE APPLICANT CHOOSES AN OPTION THAT INCLUDES STORMWATER DETENTION, HE SHALL OBTAIN APPROVAL FROM THE LOCALITY OF A PLAN FOR MAINTENANCE OF THE DETENTION FACILITIES. THE PLAN SHALL SET FORTH MAINTENANCE REQUIREMENTS OF THE FACILITY AND DESIGNATE THE PERSON RESPONSIBLE FOR PERFORMING THE MAINTENANCE G. OUTFALL FROM A DETENTION FACILITY SHALL BE DISCHARGED TO A RECEIVING CHANNEL, AND ENERGY DISSIPATORS PLACED AT THE OUTFALL OF THE DETENTION FACILITIES AS NECESSARY TO PROVIDE A STABLE TRANSITION FROM THE FACILITY TO THE RECEIVING CHANNEL. H. ALL ON-SITE CHANNELS MUST BE VERIFIED TO BE ADEQUATE. I. INCREASED VOLUMES OF SHEET FLOWS CAUSING EROSION OR SEDIMENTATION ON ADJACENT PROPERTY SHALL BE DIVERTED TO A STABLE OUTLET, ADEQUATE CHANNEL, PIPE OR PIPE SYSTEM, OR TO A DETENTION FACILITY. J. IN APPLYING THESE STORMWATER RUNOFF CRITERIA, INDIVIDUAL LOTS OR PARCELS IN A RESIDENTIAL, COMMERCIAL, OR INDUSTRIAL DEVELOPMENT SHALL NOT BE CONSIDERED TO BE SEPARATE DEVELOPMENT PROJECTS. INSTEAD, THE DEVELOPMENT AS A WHOLE SHALL BE TREATED AS A SINGLE PROJECT. HYDROLOGIC PARAMETERS THAT REFLECT THE ULTIMATE DEVELOPMENT STATE SHALL BE USED IN ALL ENGINEERING CALCULATIONS. K. ALL MEASURES USED TO PROTECT PROPERTIES AND WATERWAYS SHALL BE EXECUTED IN A MANNER THAT MINIMIZES THE IMPACT ON THE PHYSICAL, CHEMICAL, AND BIOLOGICAL INTEGRITY OF RIVERS, STREAMS, AND OTHER STATE WATERS.		ES-12 THE CONTRACTOR SHALL INSPECT ALL EROSION CONTROL MEASURES PERIODICALLY AND AFTER EACH RUNOFF-PRODUCING RAINFALL EVENT. ANY NECESSARY REPAIRS OR CLEANUP TO MAINTAIN THE EFFECTIVENESS OF THE EROSION CONTROL DEVICES SHALL BE MADE IMMEDIATELY.		PHASE 2 - FINAL DEVELOPMENT CONTROLS PHASE 2 OF THE EROSION AND SEDIMENT CONTROL PROGRAM IS INTENDED TO PROVIDE CONTROLS FOR THE FINAL SITE CONSTRUCTION ACTIVITIES ASSOCIATED WITH THIS MINOR SITE PLAN.		SELECTION OF PLANT MATERIAL IS BASED ON CLIMATE, TOPOGRAPHY, SOILS, LAND USE AND PLANTING SEASON. A SITE SPECIFIC MIX DETERMINED USING TABLES 3.32A	

WATER QUALITY CALCULATIONS - VRRM SPREADSHEET

DEQ Virginia Runoff Reduction Method Re-Development Compliance Spreadsheet - Version 3.0

2011 BMP Standards and Specifications

2013 Draft BMP Standards and Specifications

Project Name: VRE Rolling Road Platform Extension

Date: 4/24/2018

Linear Development Project?

No

CLEAR ALL

data input cells

constant values

calculation cells

final results

Site Information

Post-Development Project (Treatment Volume and Loads)

Pre-Development Land Cover (acres)

Post-Development Land Cover (acres)

Constants

Runoff Coefficients (Rv)

LAND COVER SUMMARY -- PRE-REDEVELOPMENT

LAND COVER SUMMARY -- POST DEVELOPMENT

Treatment Volume and Nutrient Load

Treatment Volume and Nutrient Load

1 Adjusted Land Cover Summary:

Adjusted total acreage is consistent with Post-Development acreage (minus acreage of new Impervious cover).

Column I shows load reduction requirement for new Impervious cover (based on new development load limit, 0.41 lbs/acre/year).

Post-Development Requirement for Site Area

TP Load Reduction Required (lb/yr)0.08

Nitrogen Loads (Informational Purposes Only)

Pre-Development TN Load (lb/yr)4.31

Final Post-Development TN Load (Post-Development & New Impervious) (lb/yr)4.42

OFFSITE DRAINAGE DIVIDES

STORMWATER MANAGEMENT (SWM) AND ADEQUATE OUTFALL NARRATIVE

THE VRE ROLLING ROAD STATION PLATFORM EXTENSION PROJECT PROPOSES THE TEMPORARY DISTURBANCE OF APPROXIMATELY 0.72 ACRES OF THE STATION SITE TO FACILITATE CONSTRUCTION AND CONTRACTOR ACCESS. THE PROPOSED (291'x12') PLATFORM ADDITION SITS ATOP THE TRACK BALLAST. THERE IS 0.13 ACRE OF EXISTING IMPERVIOUS AREA WITHIN THE LIMITS OF DISTURBANCE. THE PROPOSED ADDITIONAL IMPERVIOUS AREA IS LIMITED TO THE SIDEWALK/STAIR CONNECTION TO THE PARKING LOT (0.01 AC.). STORMWATER MANAGEMENT QUANTITY AND QUALITY REQUIREMENTS FOR THIS PROJECT ARE ADDRESSED IN ACCORDANCE WITH ARTICLE 4 OF THE FAIRFAX COUNTY STORMWATER MANAGEMENT ORDINANCE (SWMO) AND CHAPTER 6 OF THE FAIRFAX COUNTY PUBLIC FACILITIES MANUAL (PFM).

WATER QUALITY (SWMO 124-4-3)

COMPLIANCE WITH THE WATER QUALITY DESIGN CRITERIA SET OUT IN SUBSECTIONS A AND B OF PARAGRAPH 124-4-2 SHALL BE DETERMINED UTILIZING THE VIRGINIA RUNOFF REDUCTION METHOD (VRRM). AS CALCULATED BY THE VRRM WORKSHEET (THIS SHEET), THE TOTAL PROJECT PHOSPHORUS LOAD REDUCTION REQUIRED FOR THIS PROJECT IS 0.08 LB/YR. BECAUSE THE PROPOSED SITE AREA IS UNDER 5 ACRES AS ALLOWED UNDER 124-4-5(B)(1), THE PHOSPHORUS LOAD REDUCTION REQUIREMENT CAN BE MET BY PURCHASING OFFSITE NUTRIENT CREDITS. AS A RESULT, THIS SITE PLAN PROPOSES THE PURCHASE OF OFFSITE NUTRIENT CREDITS TO ADDRESS THE PROJECT WATER QUALITY REQUIREMENTS. SEE THE LETTER INCLUDED ON THIS SHEET CONFIRMING THE AVAILABILITY OF THE REQUIRED CREDITS.

THIS PROJECY IS LOCATED IN HUC CODE 02070010.

WATER QUANTITY (SWMO 124-4-4)

CHANNEL PROTECTION (124-4-4(B)) AND FLOOD PROTECTION (124-4-4(C))

CONCENTRATED STORMWATER FLOW IS NOT PROPOSED WITH THIS SITE PLAN. THE PROPOSED PLATFORM EXTENSION IS GRADED TO PRESERVE THE RELEASE OF STORMWATER FLOW AS SHEET FLOW. SINCE THE IS NO CONCENTRATED FLOW PROPOSED WITH THIS SITE PLAN, CHANNEL PROTECTION AND FLOOD PROTECTION IS NOT PROPOSED.

DETENTION (124-4-4(D))

THE INCREASE OF 2- AND 10-YEAR STORM PEAK FLOWS DUE TO THE PROPOSED PROJECT IS NEGLIGIBLE. A WAIVER OF THE STORMWATER DETENTION REQUIREMENT HAS BEEN REQUESTED OF THE DIRECTOR.

SHEET FLOW (124-4-4(E))

INCREASED VOLUMES OF SHEET FLOW RESULTING FROM THE ADDITIONAL IMPERVIOUS AREA PROPOSED WITH THIS PROJECT IS NEGLIGIBLE. THERE ARE NO POTENTIAL IMPACTS ON DOWN-GRADIENT PROPERTIES OR RESOURCES ANTICIPATED. THE INCREASED VOLUMES OF SHEET FLOW WILL NOT CAUSE OR CONTRIBUTE TO EROSION, SEDIMENTATION, OR FLOODING OF DOWN GRADIENT PROPERTIES.

OUTFALL NARRATIVE

CONCENTRATED STORMWATER FLOW IS NOT PROPOSED WITH THIS SITE PLAN. THE PROPOSED PLATFORM EXTENSION IS GRADED TO PRESERVE THE RELEASE OF STORMWATER FLOW AS SHEET FLOW. THERE ARE NO POTENTIAL IMPACTS ON DOWN-GRADIENT PROPERTIES OR RESOURCES ANTICIPATED. THE INCREASED VOLUMES OF SHEET FLOW WILL NOT CAUSE OR CONTRIBUTE TO EROSION, SEDIMENTATION, OR FLOODING OF DOWN GRADIENT PROPERTIES.

ADEQUACY CONCLUSION

IT IS THE OPINION OF THE ENGINEER THAT ALL REQUIREMENTS OF VSPM 11-B REGULATIONS WITH REGARD TO WATER QUANTITY HAVE BEEN ADDRESSED AND THAT ALL OUTFALLS PROPOSED WITH THIS PLAN ARE ADEQUATE FOR CHANNEL AND FLOOD PROTECTION.

Date: February 8, 2018

To: Scott Clarke, P.E.
Senior Associate
Dewberry

From: Elizabeth Yost
Credit Sales Coordinator
Resource Environmental Solutions

Subject: Potomac Watershed – Nutrient Credit Availability

Project Reference: Virginia Rail Express Rolling Road Station Platform Extension;
0.50 Credits Requested; HUC 02070010

This letter is to confirm the availability of 0.50 authorized nutrient credits ("Nutrient Credits") from one or more of Resource Environmental Solutions' ("RES") Potomac nutrient bank facilities for use by permit applicants within the Potomac watershed, including HUC 02070010, to compensate for nutrient loadings in excess of state or local regulations, as per Virginia Code § 62.1-44.15:35 and § 62.1-44.19:14 and Virginia Administrative Code 9 VAC 25-820-10 et seq. These Nutrient Credits are generated and managed under the terms of the Banking Instruments known as the Owl Run Nutrient Reduction Implementation Plan ("NRIP") and/or the Edgecliff NRIP.

Please feel free to contact me if you have any questions.

Sincerely,

Elizabeth M. Yost

Elizabeth M. Yost
Resource Environmental Solutions
eyost@res.us

10055 Red Run Blvd.
Suite 130
Owings Mills, MD
21117

412 N. 4th St.
Suite 300
Baton Rouge, LA
70802

701 E. Bay St.
Suite 306
Charleston, SC
29403

5020 Montrose Blvd.
Suite 650
Houston, TX
77006

1200 Camellia Blvd.
Suite 220
Lafayette, LA
70508

137½ East Main St.
Suite 210
Oak Hill, WV
25901

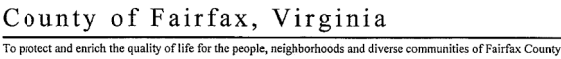
33 Terminal Way
Suite 431
Pittsburgh, PA
15219

302 Jefferson St.
Suite 110
Raleigh, NC
27605

1408 B Rosemeath Rd.
Richmond, VA
23239

APPROVED BY VRE	REV. NO.	DATE	BY	APP BY	DESCRIPTION	DESIGNED BY: KAF				Dewberry Engineers Inc. 8401 ARLINGTON BLVD. FAIRFAX, VA 22031 PHONE: 703.849.0100 FAX: 703.849.0118	ROLLING ROAD STATION IMPROVEMENTS	IFB NO:	021-005
	0	08/14/2020			INVITATION FOR BID	DRAWN BY: KAF						DRAWING NO:	C-401
						CHECKED BY: TCC						SCALE:	AS NOTED
APPROVED BY COUNTY						DATE: 08-14-2020						SHEET NO:	14 OF 51

COUNTY SITE PLAN SHEET 9 OF 12



Timothy Culleton, P.E.
Dewberry Engineers, Inc.
8401 Arlington Boulevard
Fairfax, VA 22031

Reference: Stormwater Detention Exception #8016-WSWD-001-1

The referenced stormwater detention exception request has been received and reviewed for consistency with the Stormwater Management Ordinance (SWMO), Fairfax County Code section 124-6-1. Based on the justification provided, the total increase in impervious area of 0.01 acres due to the platform extension and proposed walkway is minimal. The Director has determined that:

- i. The exception is the minimum necessary to afford relief;
- ii. Granting the exception will not confer any special privileges that are denied in other similar circumstances;
- iii. Exception requests are not based upon conditions or circumstances that are self-imposed or self-created; and
- iv. Reasonable and appropriate conditions shall be imposed as necessary upon any exception granted so that the intent of the Act and this Chapter are preserved.

- The proposed plan, impervious cover and drainage patterns shall be consistent with the Exhibits submitted with the exception request prepared by Dewberry Engineers Inc., dated February 20, 2018 (letter) and February 27, 2018 (Exhibits – plans).

This exception shall automatically expire, without notice, July 1, 2020, unless the associated plan identified in the Exhibits has been approved.

If further assistance is desired, please contact Prutha Rueangvivatanakij, Senior Engineer III (Stormwater), Site Development and Inspections Division (SDID) at 703-324-1720 or Prutha.Rueangvivatanakij@fairfaxcounty.gov

Cham

cc: Dipman Kumar, Chief, Watershed Planning and Evaluation Branch, SWPD, DPWES
Prutha Rucangvivatanakij., Senior Engineer III (Stormwater), SDID, LDS
Waiver File

Subject: Rolling Road Station Platform Extension

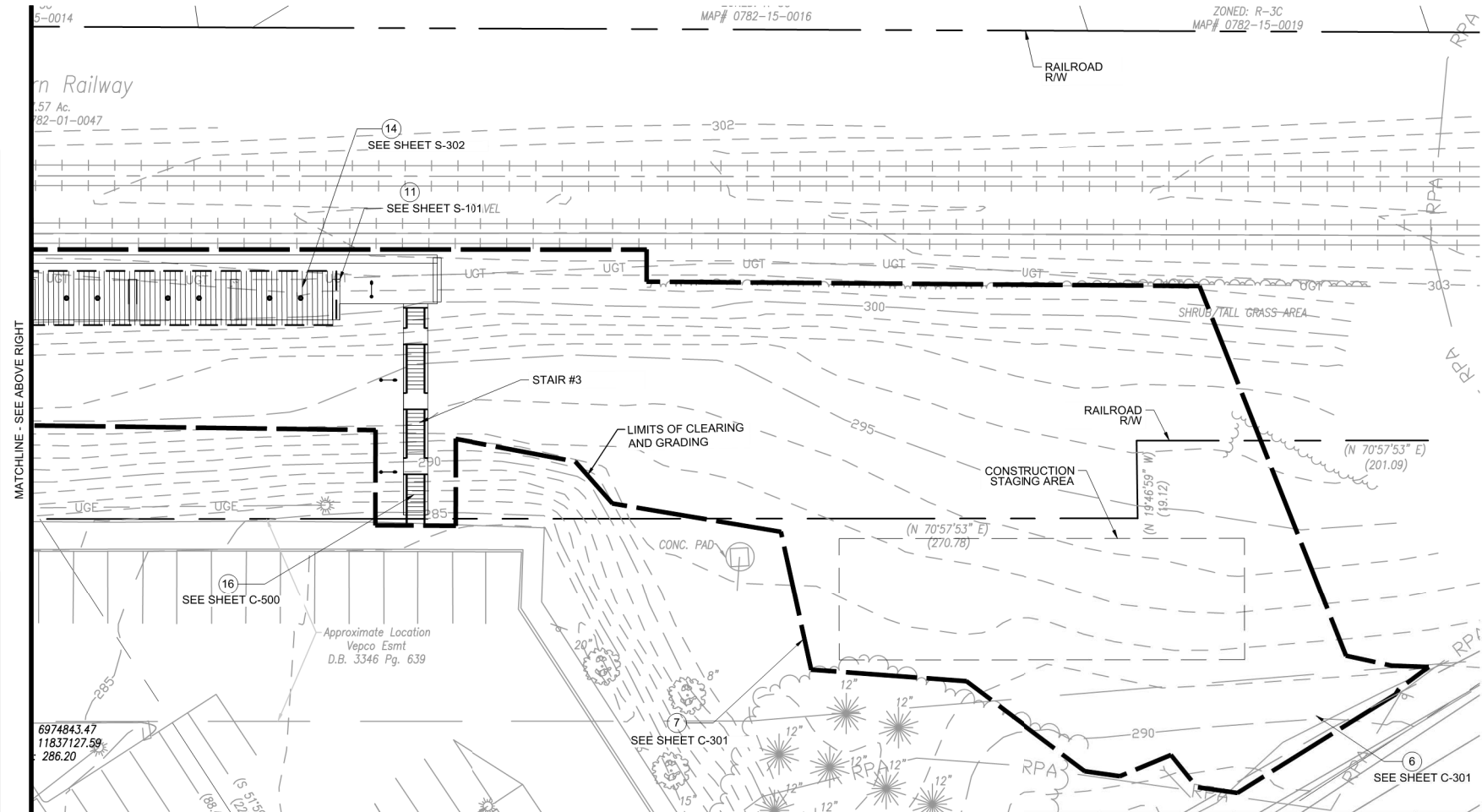
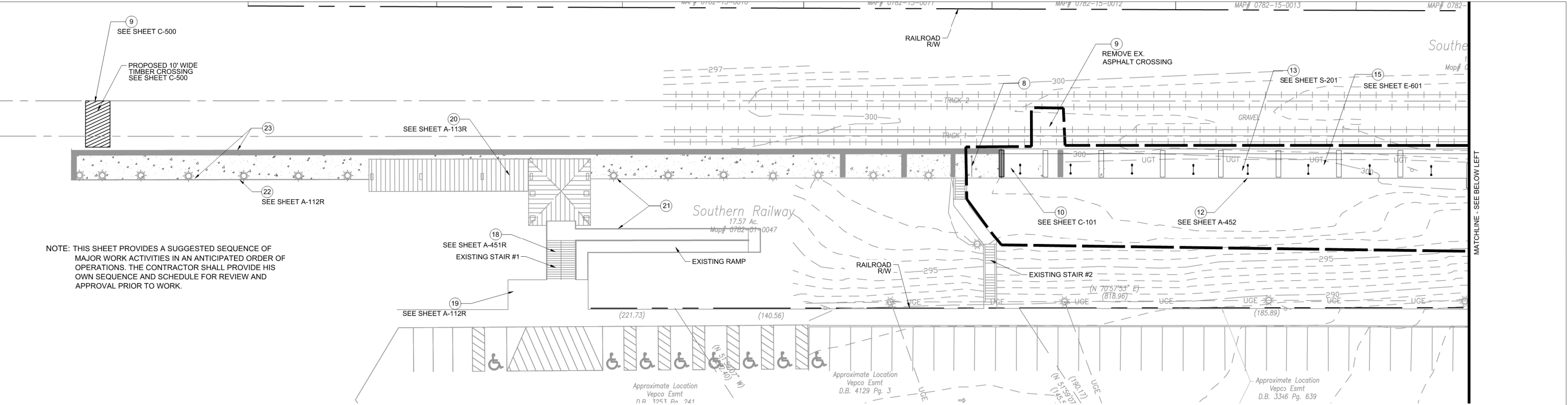
As we discussed last week, the proposed platform extension of the Rolling Road VRE Station does not require a 2232 review, as the proposed facility is located within Norfolk-Southern Right-of-way, and is therefore considered a "railroad facility" under Virginia Code §15.2-2232 (A). VRE will also receive a refund of the 2232 application fee of \$750.00.

David Stinson
Planning Division
Fairfax County Department of Planning and Zoning
12055 Government Center Parkway, Suite 730
Fairfax, VA 22035
703-324-1370



SITE DETAILS

15 OF 51



SUGGESTED SEQUENCE OF CONSTRUCTION

PRE-CONSTRUCTION

1. FIELD-VERIFY EXISTING CONDITIONS
2. PROVIDE SHOP DRAWINGS FOR REVIEW AND APPROVAL
3. IDENTIFY AND LOCATE ALL UTILITIES AND COORDINATE WITH OWNERS FOR PROTECTION OR RELOCATION
4. OBTAIN ALL NECESSARY CONSTRUCTION PERMITS

CONSTRUCTION OF PLATFORM EXTENSION

5. MOBILIZE MANPOWER AND EQUIPMENT
6. INSTALL CONSTRUCTION ENTRANCE; ESTABLISH TEMPORARY TRAFFIC CONTROLS ON BURKE ROAD IN ACCORDANCE WITH FIGURE TTC-63.1
7. INSTALL PHASE I EROSION AND SEDIMENT CONTROL MEASURES; PHASE II MEASURES SHALL BE IMPLEMENTED BY THE CONTRACTOR AS FINAL SITE GRADING PROGRESSES
8. PROVIDE TEMPORARY BARRICADE AT EXISTING PLATFORM DEMOLITION LIMIT
9. INSTALL TIMBER CROSSING; THEN REMOVE THE EXISTING ASPHALT CROSSING
10. DEMOLISH NORTH END OF EXISTING PLATFORM AND EXISTING CANOPY
11. INSTALL CONCRETE FOUNDATIONS
12. INSTALL CHAINLINK FENCE BETWEEN PLATFORM AND EXISTING GRADE
13. INSTALL PRECAST CONCRETE PLATFORM
14. INSTALL CANOPY
15. INSTALL LIGHT FIXTURES
16. INSTALL STAIR #3
17. GRADE SITE AS NECESSARY

EXISTING STATION REHABILITATION

18. REPLACE EXISTING STAIR #1 AND MAINTAIN TWO POINTS OF ACCESS; ONE (1) OF WHICH IS ADA COMPLIANT AT ALL TIMES
19. REPLACE EXISTING CONCRETE SIDEWALK
20. REPLACE EXISTING CANOPY ROOF, LIGHTING, GUTTERS AND DOWNSPOUTS; REPAINT CANOPY STRUCTURE STEEL
21. REPAINT EXISTING GUARDRAIL AND HANDRAIL
22. REPLACE EXISTING CHAINLINK FABRIC BELOW EXISTING PLATFORM
23. REPLACE EXISTING PLATFORM LIGHTING AND TACTILE WARNING STRIP

CLOSEOUT

24. REMOVE CONSTRUCTION ENTRANCE AND SEED D'STURBED AREAS
25. DEMOBILIZE

SCALE IN FEET

1" = 20'

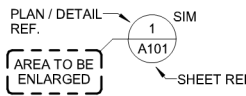


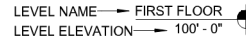
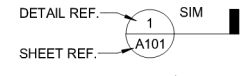

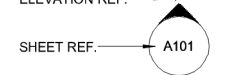

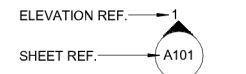

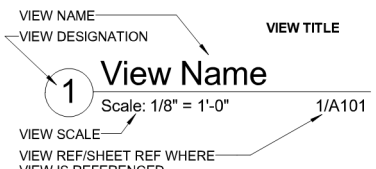



1 INCH








APPROVED BY VRE	REV.NO.	DATE	BY	APP BY	DESCRIPTION	DESIGNED BY:				ROLLING ROAD STATION IMPROVEMENTS	IFB NO:	021-005
	0	08/14/2020			INVITATION FOR BID	KAF					DRAWING NO:	C-601
						KAF					SCALE:	AS NOTED
	APPROVED BY COUNTY					TCC					SHEET NO:	16 OF 51
						DATE:	08-14-2020			SUGGESTED SEQUENCE OF CONSTRUCTION		


STANDARD ABBREVIATIONS					
THIS IS A MASTER ABBREVIATION LIST, SOME ABBREVIATIONS MAY NOT APPLY TO THIS PROJECT					
AB ACST ADDL ADDN AESS AFF ALT ALUM ANCH ANOD AP APC APPROX ASPH AUTO AVE AWT BAL SHT BC BCS BD BG BITUM BLDG BLKG BOT BRDG BRG BRK PV BRKT BSMT BTWN BUR CFMF CG CIP CONC CJ CLG CLR CMU CNTR CO COL COMB COMP COMPT CONC CONC CTG COND CONT CONTR CORR CPRS CPT CR CRL CRS CTR CUH CUV CW D DC DET DETN DF DIA DIM DN DP DR DS DWG EHD EJ EL ELEC ELEV EMBED EMER EPDM EQ EQUIP ES EW EWC EWH EXIST EXP EXT FAB FD FDTN FE	- ANCHOR BOLT - ACOUSTIC(AL) - ADDITIONAL - ADDITION - ARCHITECTURALLY EXPOSED STRUCTURAL STEEL - ABOVE FINISH FLOOR - ALTERNATE - ALUMINUM - ANCHOR - ANODIZE(D) - ACCESS PANEL - ACOUSTICAL PANEL CEILING - APPROXIMATE - ASPHALT - AUTOMATIC - AVERAGE - ACOUSTICAL WALL TREATMENT - BALANCE SHEET - BRICK COLOR - BABY CHANGING STATION - BOARD - BUMPER GUARD - BITUMINOUS - BUILDING - BLOCKING (WOOD) - BOTTOM - BRIDGING - BEARING - BRICK PAVERS - BRACKET - BASEMENT - BETWEEN - BUILT UP ROOFING - COLD-FORMED METAL FRAMING - CORNER GUARD - CAST-IN-PLACE CONCRETE - CONTROL JOING, CONSTRUCTION JOINT - CEILING - CLEAR - CONCRETE MASONRY UNIT - COUNTER - CLEAN OUT, CASED OPENING - COLUMN - COMBINATION, COMBINED - COMPRESSIBLE - COMPARTMENT - CONCRETE - CONCRETE COATING - CONDITION - CONTINUOUS - CONTRACTOR - CORRIDOR - COMPRESSIBLE - CARPET - CLOSET ROD - CRASH RAIL - COLD-ROLLED STEEL - CENTER(S) - CABINET UNIT HEATER - CABINET UNIT VENTILATOR - CURTAINWALL - DEEP, DEPTH, PENNY NAIL - DISPLAY CASE - DETAIL - DETENTION - DRINKING FOUNTAIN - DIAMETER - DIMENSION - DOWN - DECORATIVE PANEL - DOOR - DOWNSPOUT - DRAWING(S) - ELECTRIC HAND DRYER - EXPANSION JOINT - ELEVATION - ELECTRIC, ELECTRICAL - ELEVATOR - EMBEDMENT - EMERGENCY - ETHYLENE PROPYLENE DIENE MONOMER - EQUAL - EQUIPMENT - EXPOSED STRUCTURE - EACH WAY - ELECTRIC WATER COOLER - ELECTRIC WATER HEATER - EXISTING - EXPANSION - EXTERIOR - FABRIC - FLOOR DRAIN - FOUNDATION - FIRE EXTINGUISHER	FEC FF FHC FIN FLASH FLP FLR FRP FTG FURG C FWC GA GALV GB GFRG GL GL BLK GLZ CMU GRFG GT GWH GYP BD H HB HDNR HDW HDWD HM HORIZ HR HT HTG HVAC ID IF INCL INSUL INT INV JT KD KOP L LAM LAV LH LINO LKR LL LLH LLV LT LVL LVR MAS MATL MAX MB MBH MECH MED MEZZ MFR MH MI MIN MISC MO MOD MSB MT MTL NDU NIC NO NOM NTS OA OC OD OF OFD OH OH DR OP OPH OPNG OPP OS	- FIRE EXTINGUISHER CABINET - FINISH FLOOR - FIRE HOSE CABINET - FINISH - FLASHING - FLOOR PATTERN - FLOOR - FIBER REINFORCED PLASTIC - FOOTING - FURRING CHANNEL - FABRIC WALLCOVERING - GAGE, GAUGE - GALVANIZED - GRAB BAR - GLASS-FIBER REINFORCED CONCRETE - GLASS - GLASS BLOCK - GLAZED CONCRETE MASONRY UNIT - GLASS-FIBER REINFORCED GYPSUM - GROUT - GAS FIRED WATER HEATER - GYPSUM WALL BOARD - HIGH, HATCH (ROOF) - HOSE BIB - HARDENER - HARDWARE - HARDWOOD - HOLLOW METAL - HORIZONTAL - HANDRAIL - HEIGHT - HEATING - HEATING, VENTILATING, AND AIR CONDITIONING - INSIDE DIAMETER, INSIDE DIMENSION - INSIDE FACE - INCLUDED - INSULATION - INTERIOR - INVERT - JOINT - KNOCKED DOWN - KNOCK OUT PANEL - LONG, ANGLE - LAMINATE(D) - LAVATORY - LEFT HAND - LINOLEUM - LOCKER - LIVE LOAD, LOW LEVEL - LONG LEG HORIZONTAL - LONG LEG VERTICAL - LIGHT - LEVEL - LOUVER - MASONRY - MATERIAL - MAXIMUM - MARKERBOARD - MOB/BROOM HOLDER - MECHANICAL - MEDIUM - MEZZANINE - MANUFACTURER - MANHOLE - MIRROR - MINIMUM, MINUTE - MISCELLANEOUS - MASONRY OPENING - MODEL, MODULE, MODULAR - MOP SERVICE BASIN - MOUNT - METAL - NEEDLE DISPOSAL UNIT - NOT IN CONTRACT - NUMBER - NOMINAL - NOT TO SCALE - OVERALL - ON CENTER - OUTSIDE DIAMETER, OUTSIDE DIMENSION - OUTSIDE FACE - OVERFLOW DRAIN - OVERHEAD - OVERHEAD DOOR - OPERABLE PARTITION - OPPOSITE HAND - OPENING - OPPOSITE - OVERFLOW SCUPPER	PC PCC PERIM PJ PL PLAS PLBG PLYWD PS PSF PNT PTD PTDR RECEPTACLE PTN PTR PVC PVG R RCP RD REF REINF REQD RF RFG RFM RH RO RSF RST RTF RV SC SCHED SCR SCWD SECT SF SH SHT SHTHG SHV SLNT SND SNDU SOG SPCG SPEC SPKR SQ SS SST STD STL STL JST STL LNTL STL PL STL RF DK STL TR STN STRUCT SUSP SV SWP SYMM SYNTH T T&G T/S TB TC TD TER THK TO TOB TOC TOF TOM TOS TOW TPH TR TS UNO VCT VERT VIF VWC W WC WD WDW WP WT WWF	- PORTLAND CEMENT, - PRECAST CONCRETE - PERIMETER - PROJECTOR - PLATE, PLASTIC LAMINATE - PLASTER - PLUMBING - PLYWOOD - PROJECTION SCREEN - POUNDS PER SQUARE FOOT - PAINT - PAPER TOWEL DISPENSER - PAPER TOWEL DISPENSER & RECEPTACLE - PARTITION - PAPER TOWEL RECEPTACLE - POLYVINYL CHLORIDE - PAVING - RISER, RADIUS, THERMAL RESISTANCE (R-VALUE) - RESILIENT BASE - REFLECTED CEILING PLAN - ROOF DRAIN, ROAD - REFERENCE, REFRIGERATOR - REINFORCE - REQUIRED - RESILIENT FLOORING - ROOFING - REMOVABLE FLOOR MAT - RIGHT HAND - ROUGH OPENING - RESINOUS FLOORING - REINFORCING STEEL - RESILIENT TILE FLOORING - ROOF VENT, ROOF VENTILATOR - SEALED CONCRETE - SCHEDULE - SHOWER CURTAIN ROD - SOLID CORE WOOD DOOR - SECTION - STOREFRONT - SHINGLES, SINGLE HUNG (WINDOW) - SHEET - SHEATHING - SHELVING - SLANT - SANITARY NAPKIN DISPENSER - SANITARY NAPKIN DISPOSAL UNIT - SLAB ON GRADE - SPACING - SPECIFICATION - SPEAKER - SQUARE - SERVICE SINK , SOLID SURFACING - STAINLESS STEEL, SHOWER SEAT - STANDARD - STEEL - STEEL JOIST - STEEL LINTEL - STEEL PLATE - STEEL ROOF DECK - STEEL TRUSS - STAIN - STRUCTURAL - SUSPENSE - SHEET VINYL - SHEET WALL PROTECTION - SYMMETRICAL - SYNTHETIC - TILE, TREAD - TONGUE AND GROOVE - TUB/SHOWER - TOWEL BAR, TACKBOARD - TOILET COMPARTMENT - TRENCH DRAIN - TERRAZZO - THICK - TOP OF - TOP OF BEAM - TOP OF CONCRETE, TOP OF CURB - TOP OF FOOTING - TOP OF MASONRY - TOP OF SLAB, TOP OF STEEL - TOP OF WALL - TOILET PAPER HOLDER - TOWEL RACK - TUBE STEEL, TRANSITION STRIP - UNLESS NOTED OTHERWISE - VINYL COMPOSITION TILE - VERTICAL - VERIFY IN FIELD - VINYL WALL COVERING - WIDE, WEST - WALL COVERING - WOOD, WOOD DOOR - WINDOW - WALL PATTERN, WATERPROOFING - WEIGHT, WINDOW TREATMENT - WELDED WIRE FABRIC

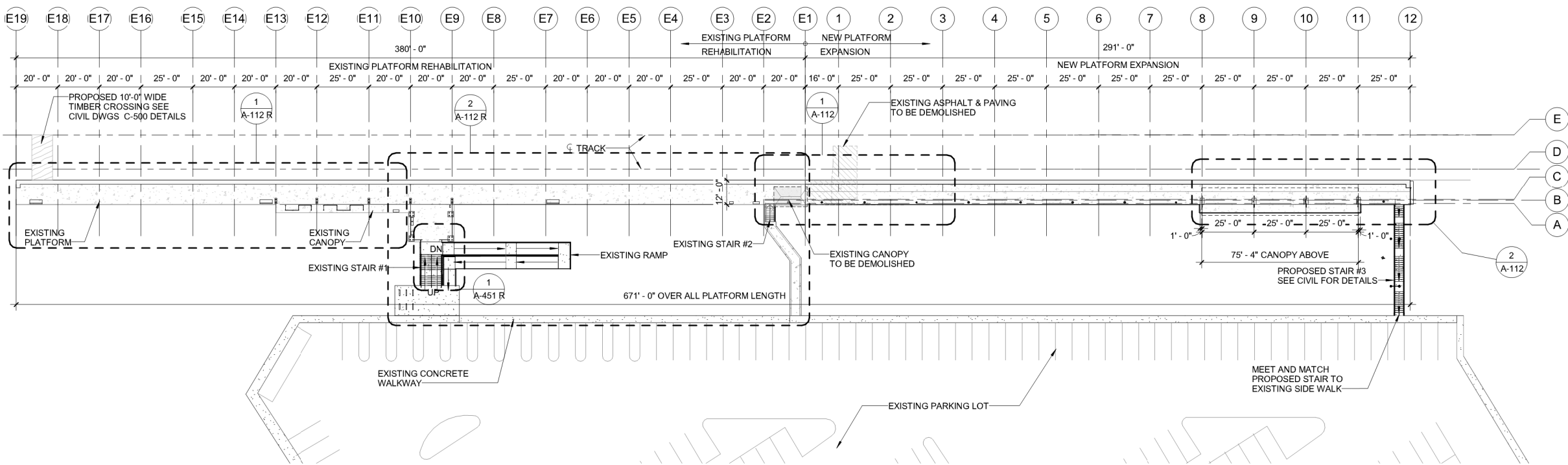
STANDARD DETAILING SYMBOLS

 CALLOUT	 CEILING TAG
 BUILDING/WALL SECTION	 LEVEL LINE
 DETAIL SECTION	 GRID LINE
 EXTERIOR ELEVATION	 NORTH INDICATOR
 INTERIOR ELEVATION	 WALL TAG
 VIEW TITLE	 REVISION TAG
	 KEYNOTE TAG
	 SPOT ELEVATION SYMBOL

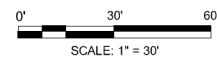
FLOOR FINISH LEGEND	
 CEMENT/ GROUTED AREA	 GRAVEL FINISH
 UNDISTURBED EARTH	 TACTILE WARNING FINISH
 CONCRETE	

GENERAL NOTES	
1.	THE CONTRACTOR SHALL VERIFY AND COORDINATE ALL PROPOSED AND EXISTING CONDITIONS AND DIMENSIONS AT JOB SITE FOR COMPARISON WITH DRAWINGS AND SPECIFICATIONS. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT PRIOR TO PROCEEDING WITH WORK, OF ANY INCONSISTENCIES OR OMISSIONS DISCOVERED.
2.	DIMENSIONS: DO NOT SCALE DRAWINGS. CONTRACTOR SHALL RELY ON WRITTEN DIMENSIONS. AT LEAST FIVE (5) DAYS PRIOR TO COMMENCING WORK, DIMENSIONS SHALL BE FIELD VERIFIED AND COORDINATED WITH ALL THE WORK OF ALL THE TRADES. IF DISCREPENCIES ARE FOUND, THE CONTRACTOR SHALL NOTIFY THE ARCHITECT FOR CLARIFICATIONS BEFORE THE COMMENCEMENTOR RESUMPTION OF WORK.
3.	THE CONTRACTOR SHALL PROTECT ALL FINISHED WORK AND SURFACES FROM DAMAGE DURING THE COURSE OF CONSTRUCTION AND SHALL REPLACE AND REPAIR ALL DAMAGE CAUSED BY NEW WORK TO EXISTING AREAS OF THE SITE, CONSTRUCTION WORK, FINISH CONSTRUCTION WORK, ELECTRICAL AND MECHANICAL SYSTEMS CAUSED BY THE CONTRACTOR OR SUBCONTRACTOR PERSONNEL TO THE SATISFACTION OF THE OWNER AND ARCHITECT TO MATCH EXISTING CONDITIONS OR AS FOUND PRIOR TO THE DAMAGE.
4.	POWER DRIVEN FASTENERS SHALL BE USED ONLY IN PROTECTED LOCATIONS.
5.	FINAL CLEAN UP AND DISPOSAL: REMOVE DEBRIS, RUBBISH AND WASTE MATERIAL FROM THE OWNER'S PROPERTY TO A LAWFUL DISPOSAL AREA AND PAY ALL HAULING AND DUMPING COSTS. CONFORM TO PERTAINING FEDERAL, STATE AND LOCAL LAWS,REGULATIONS AND ORDERS. UPON COMPLETION OR WORK, ALL CONSTRUCTION AREAS SHALL BE LEFT VACUUM-CLEAN AND FREE FROM DEBRIS. CLEAN ALL DUST, DIRT, STAINS, HAND MARKS, PAINT SPOTS, DROPPINGS, AND OTHER BLEMISHES.
6.	CONTACT BETWEEN DISSIMILAR METALS SHALL BE PROTECTED BY A COATING WITH BITUMINOUS PAINT, BY THE USE OF TAPE, OR BY OTHER METHODS. SEE SPECIFICATIONS.
7.	FIRE SAFETY METHODS DURING CONSTRUCTION SHALL COMPLY WITH LOCAL FIRE CODES FOR FIRE SAFETY DURING CONSTRUCTION, ALTERATION OR DEMOLITION OF A STRUCTURE.
8.	PROTECTION DURING WELDING: CONFORM TO LOCAL CODES, FURTHER PROTECT OCCUPANTS THE PUBLIC WITH PORTABLE SOLID VISION BARRICADES AROUND THE LOCATION WHERE WELDING IS BEING PERFORMED. PROVIDE SIGNS WARNING AGAINST LOOKING AT WELDING WITHOUT PROPER EYE PROTECTION. CONTACT THE LOCAL FIRE AUTHORITY FOR THE WELDING PERMIT.
9.	THE CONTRACTOR SHALL MAINTAIN PROPER BARRICADES, RAILINGS, GUARDS, LIGHTS, OR ANY OTHER TEMPORARY DEVICES NECESSARY FOR THE PROTECTION OR LIFE AND PROPERTY.
10.	WHERE A SPECIFIC CONDITION IS DETAILED, IT SHALL BE UNDERSTOOD THAT ALL LIKE OR SIMILAR CONDITIONS ARE THE SAME UNLESS SPECIFICALLY NOTED OR DETAILED OTHERWISE.
11.	LARGER SCALE DETAIL DRAWINGS TAKE PRECEDENCE OVER SMALLER SCALE DETAIL DRAWINGS.
12.	CONTRACTOR SHALL COORDINATE, IN ADVANCE OF INSTALLATION, WITH ALL EQUIPMENT MANUFACTURERS FOR ALL ROUGH-IN REQUIREMENTS.

APPROVED BY VRE	REV NO.	DATE	BY	APP BY	DESCRIPTION	DESIGNED BY: MD			 Dewberry Architects Inc. 8401 ARLINGTON BLVE. FAIRFAX, VA 22031 703.849.0100 (PHONE) 703.849.0518 (FAX)	ROLLING ROAD STATION IMPROVEMENTS		IFB NO: 021-005
	0	08/14/2020			INVITATION FOR BID	DRAWN BY: MD						DRAWING NO. A-001
						CHECKED BY MS						SCALE: AS NOTED
	APPROVED BY COUNTY					DATE 08-14-2020						SHEET NO. 17 OF 51
										ARCHITECTURAL ABBREVIATIONS AND SYMBOLS		



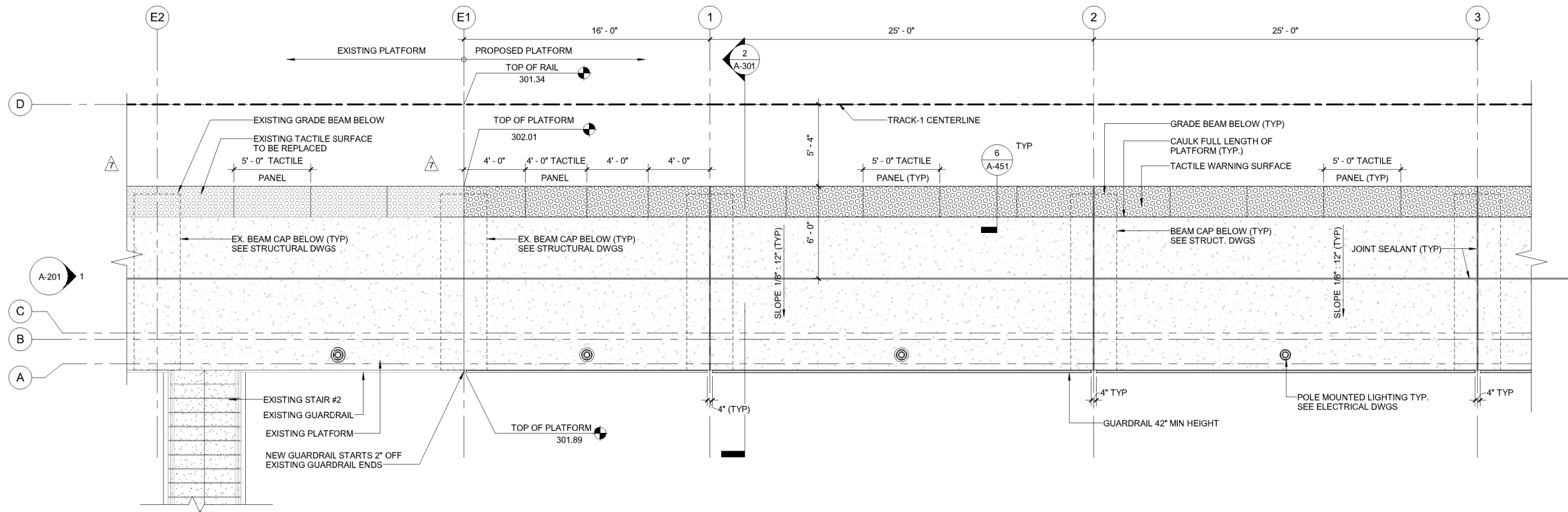
1 KEY PLAN
Scale: 1" = 30'-0"



- NOTES**
1. THE CONTRACTOR SHALL VERIFY THE LOCATION, ALIGNMENT AND TOP OF RAIL ELEVATIONS OF EXISTING NORFOLK SOUTHERN TRACK PRIOR TO START OF CONSTRUCTION.
 2. THE CONTRACTOR SHALL SUBMIT SITE SURVEY WITH VERIFIED UTILITY LOCATIONS, ERECTION/ SHOP DRAWINGS, AND PROOF OF COMPLIANCE WITH VERTICAL AND HORIZONTAL CLEARANCES AS STATED ON THESE PLANS TO ENGINEER FOR REVIEW PRIOR TO CONSTRUCTION.
 3. THE CONTRACTOR SHALL HAND EXCAVATE AND IDENTIFY THE LOCATION OF THE UNDERGROUND FIBER OPTICS AND ANY OTHER UTILITIES INTERFERING WITH THIS PROJECT AT PROPOSED PLATFORM LOCATIONS PRIOR TO CONSTRUCTION. IF POTENTIAL CONFLICT IS IDENTIFIED CONTRACTOR SHALL NOTIFY OWNER IMMEDIATELY.
 4. REMOVE THE EXISTING CANOPY STRUCTURE WEST OF GRID E1.
 5. REMOVE THE EXISTING RAMP, EXISTING ASPHALT & PAVING BETWEEN GRID E1 - 2.
 6. SEE DRAWING A-112, FOR NEW PLATFORM DETAILS.
 8. SEE DRAWING A-113, FOR NEW ROOF CANOPY AND CEILING PLANS.
 9. SEE DRAWING A-201, FOR NEW PLATFORM ELEVATIONS.
 10. SEE DRAWING A-301, FOR NEW PLATFORM SECTIONS.
 11. SEE DRAWING A-451, FOR NEW RAILING DETAILS.
 12. SEE DRAWING A-452 FOR NEW DRAINAGE DETAILS.

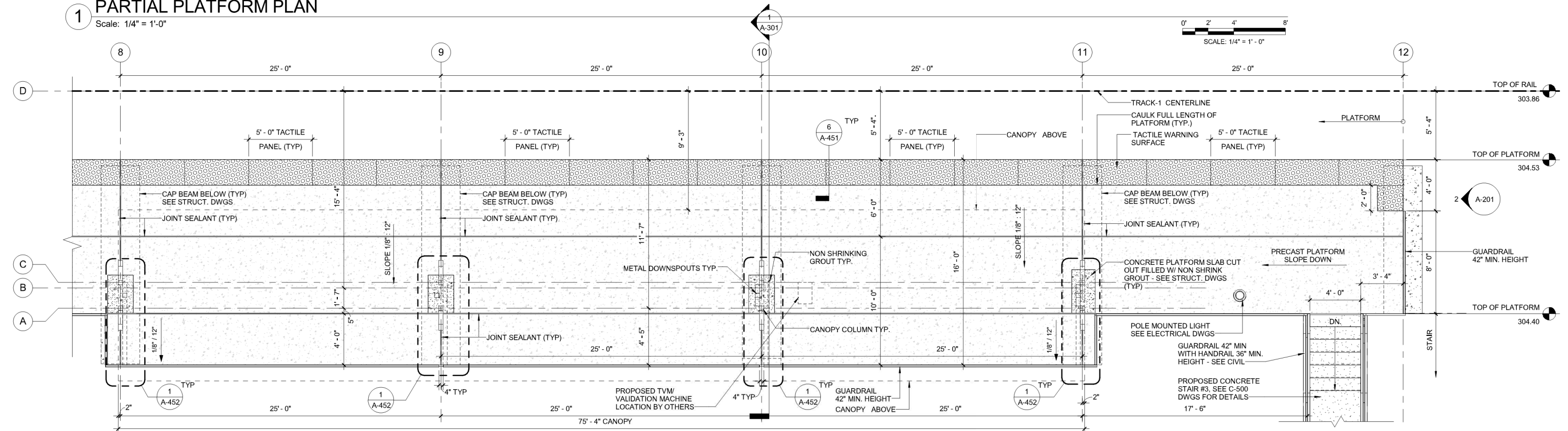


	APPROVED BY VRE	REV NO.	DATE	BY	APP BY	DESCRIPTION	DESIGNED BY: MD				8401 ARLINGTON BLVE. FAIRFAX, VA 22031 703.849.0100 (PHONE) 703.849.0518 (FAX)	ROLLING ROAD STATION IMPROVEMENTS	IFB NO: 021-005
		0	08/14/2020			INVITATION FOR BID	DRAWN BY: MD						DRAWING NO. A-111
	APPROVED BY COUNTY						CHECKED BY MS						SCALE: AS NOTED
							DATE 08-14-2020						SHEET NO. 18 OF 51



1 PARTIAL PLATFORM PLAN

Scale: 1/4" = 1'-0"



2 PARTIAL PLATFORM PLAN

Scale: 1/4" = 1'-0"

NOTES

1. THE CONTRACTOR SHALL VERIFY THE LOCATION, ALIGNMENT AND TOP OF RAIL ELEVATIONS OF EXISTING NORFOLK SOUTHERN TRACK PRIOR TO START OF CONSTRUCTION.
2. THE CONTRACTOR SHALL SUBMIT SITE SURVEY WITH VERIFIED UTILITY LOCATIONS, ERECTION/ SHOP DRAWINGS, AND PROOF OF COMPLIANCE WITH VERTICAL AND HORIZONTAL CLEARANCES AS STATED ON THESE PLANS TO ENGINEER FOR REVIEW PRIOR TO CONSTRUCTION.
3. THE CONTRACTOR SHALL HAND EXCAVATE AND IDENTIFY THE LOCATION OF THE UNDERGROUND FIBER OPTICS AND ANY OTHER UTILITIES INTERFERING WITH THIS PROJECT AT PROPOSED PLATFORM LOCATIONS PRIOR TO CONSTRUCTION. IF POTENTIAL CONFLICT IS IDENTIFIED CONTRACTOR SHALL NOTIFY OWNER IMMEDIATELY.
4. REMOVE THE EXISTING CANOPY STRUCTURE WEST OF GRID E1.
5. REMOVE THE EXISTING RAMP, EXISTING ASPHALT & PAVING BETWEEN GRID E1 - 2.
6. SEE DRAWING A-112, FOR NEW PLATFORM DETAILS.
8. SEE DRAWING A-113, FOR NEW ROOF CANOPY AND CEILING PLANS.
9. SEE DRAWING A-201, FOR NEW PLATFORM ELEVATIONS.
10. SEE DRAWING A-301, FOR NEW PLATFORM SECTIONS.
11. SEE DRAWING A-451, FOR NEW RAILING DETAILS.
12. SEE DRAWING A-452 FOR NEW DRAINAGE DETAILS.

APPROVED BY VRE	REV NO.	DATE	BY	APP BY	DESCRIPTION
	0	08/14/2020			INVITATION FOR BID
APPROVED BY COUNTY					

DESIGNED BY:
MD
DRAWN BY:
MD
CHECKED BY
MS
DATE
08-14-2020

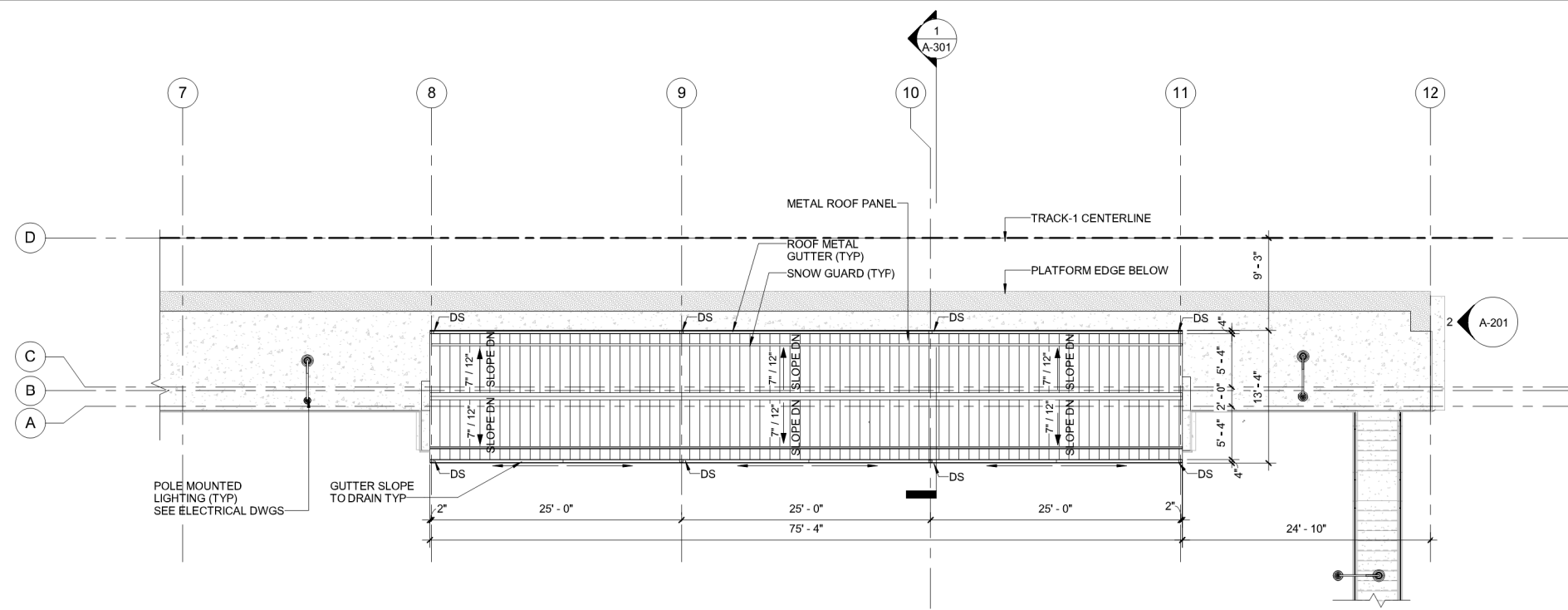


Dewberry
Dewberry Architects Inc.
8401 ARLINGTON BLVE.
FAIRFAX, VA 22031
703.649.0100 (PHONE)
703.649.0518 (FAX)

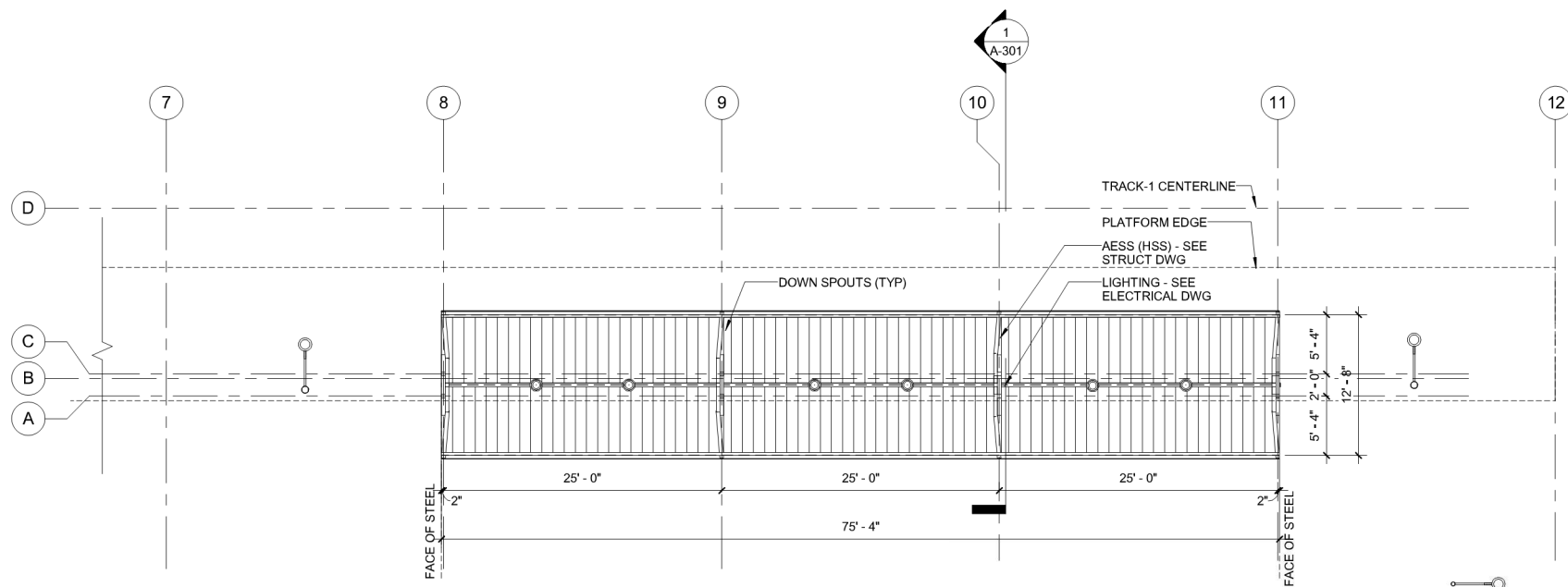
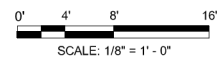
ROLLING ROAD STATION
IMPROVEMENTS

NEW PLATFORM PLAN

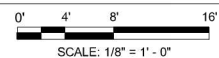
IFB NO: 021-005
DRAWING NO. A-112
SCALE: AS NOTED
SHEET NO. 19 OF 51






1 ROOF PLAN
Scale: 1/8" = 1'-0"

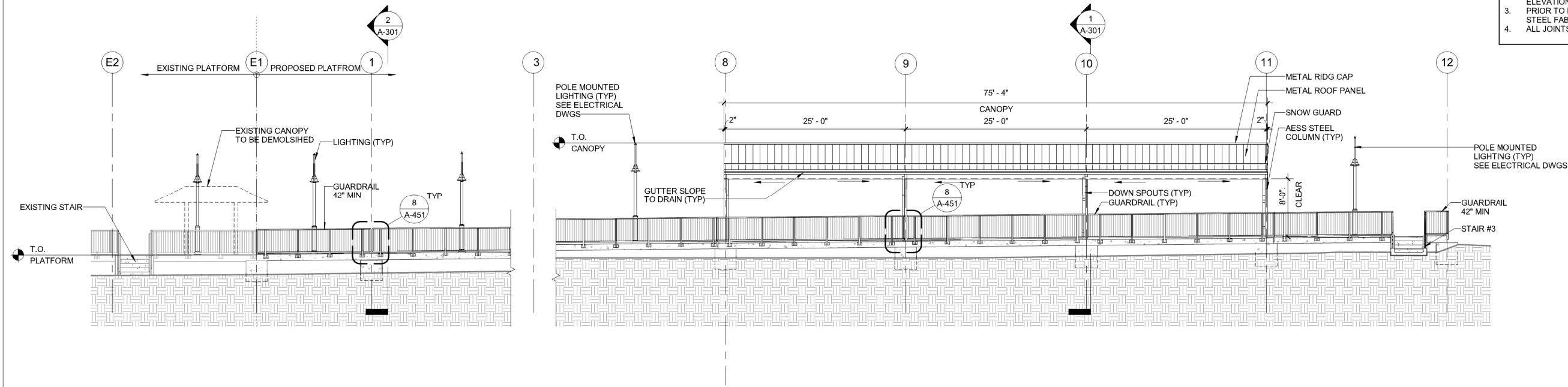


2 PLATFORM REFLECTED CEILING PLAN
Scale: 1/8" = 1'-0"

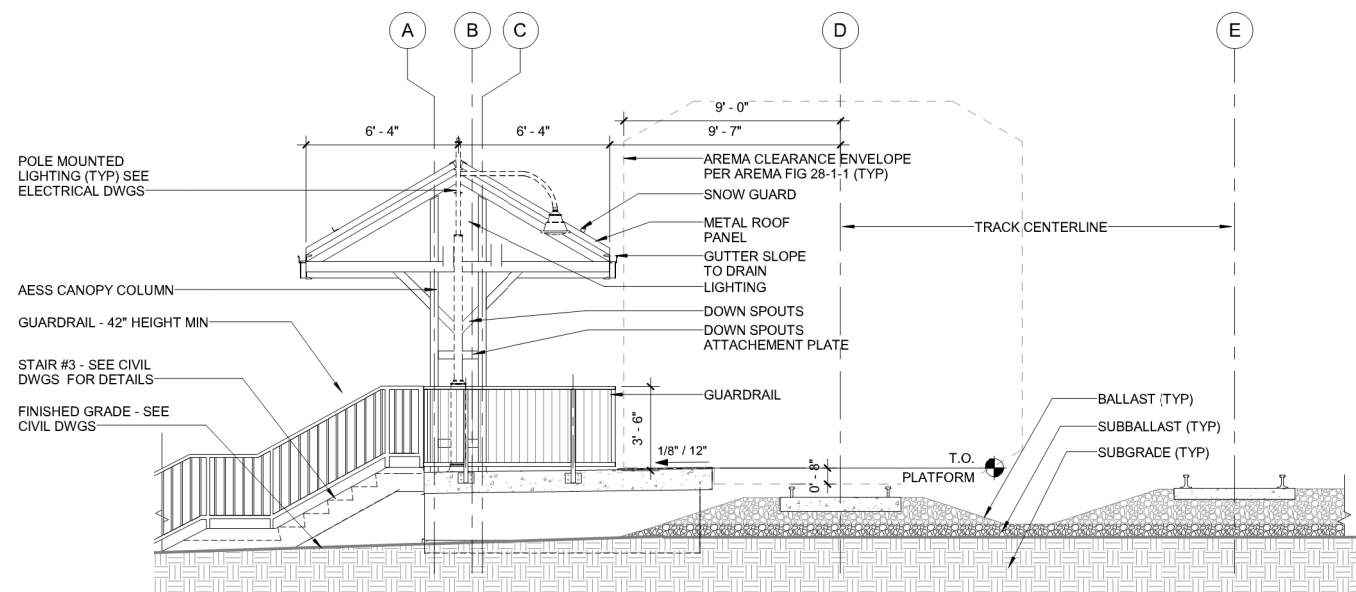
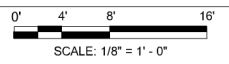


	APPROVED BY VRE	REV NO.	DATE	BY	APP BY	DESCRIPTION	DESIGNED BY:			 Dewberry Architects Inc. 8401 ARLINGTON BLVE. FAIRFAX, VA 22031 703.849.0100 (PHONE) 703.849.0518 (FAX)	ROLLING ROAD STATION IMPROVEMENTS		IFB NO:	021-005
		0	08/14/2020			INVITATION FOR BID	MD				DRAWING NO.	A-113		
							DRAWN BY:							
	APPROVED BY COUNTY						CHECKED BY:							
							DATE							
							MS					NEW CANOPY & REFLECTED CEILING PLAN	SCALE:	AS NOTED
							08-14-2020					SHEET NO.	20 OF 51	

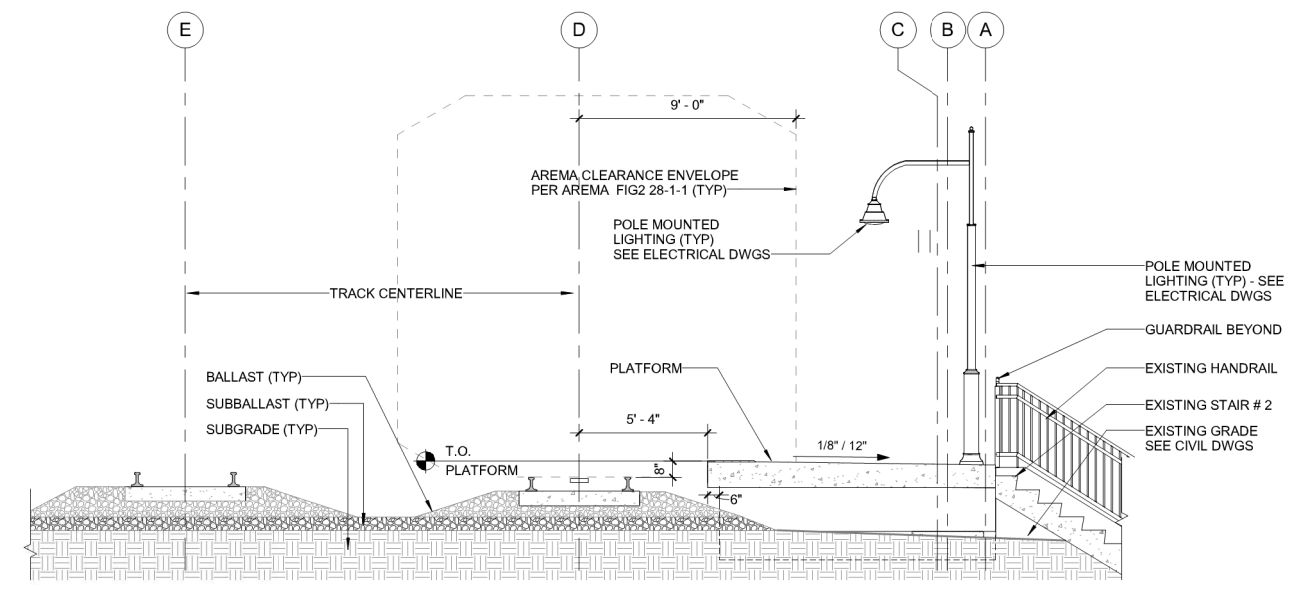
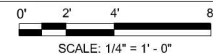
- NOTES
1. CONTRACTOR TO MAINTAIN THE MINIMUM HORIZONTAL CLEARANCES SHOWN DURING CONSTRUCTION AND AT ALL PROPOSED LOCATIONS. CONTRACTOR SHALL NOT INTERFERE WITH RAIL OPERATIONS OR UNDERMINE THE EXISTING TRACK INTEGRITY.
 2. CONTRACTOR TO VERIFY THE EXISTING MAINLINE TOP OF RAIL TRACK ELEVATIONS AND KEEP 8 INCHES BETWEEN TOP OF RAIL AND TOP OF PLATFORM PRIOR TO FABRICATION. THE CONTRACTOR SHALL PROVIDE SHOP DRAWINGS OF STEEL FABRICATIONS WITH COLOR SELECTION FOR REVIEW.
 3. ALL JOINTS TO BE SEALED WITH JOINT SEALANT.



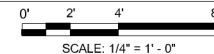
3 LONGITUDINAL ELEVATION
Scale: 1/8" = 1'-0"






2 NORTH ELEVATION
Scale: 1/4" = 1'-0"

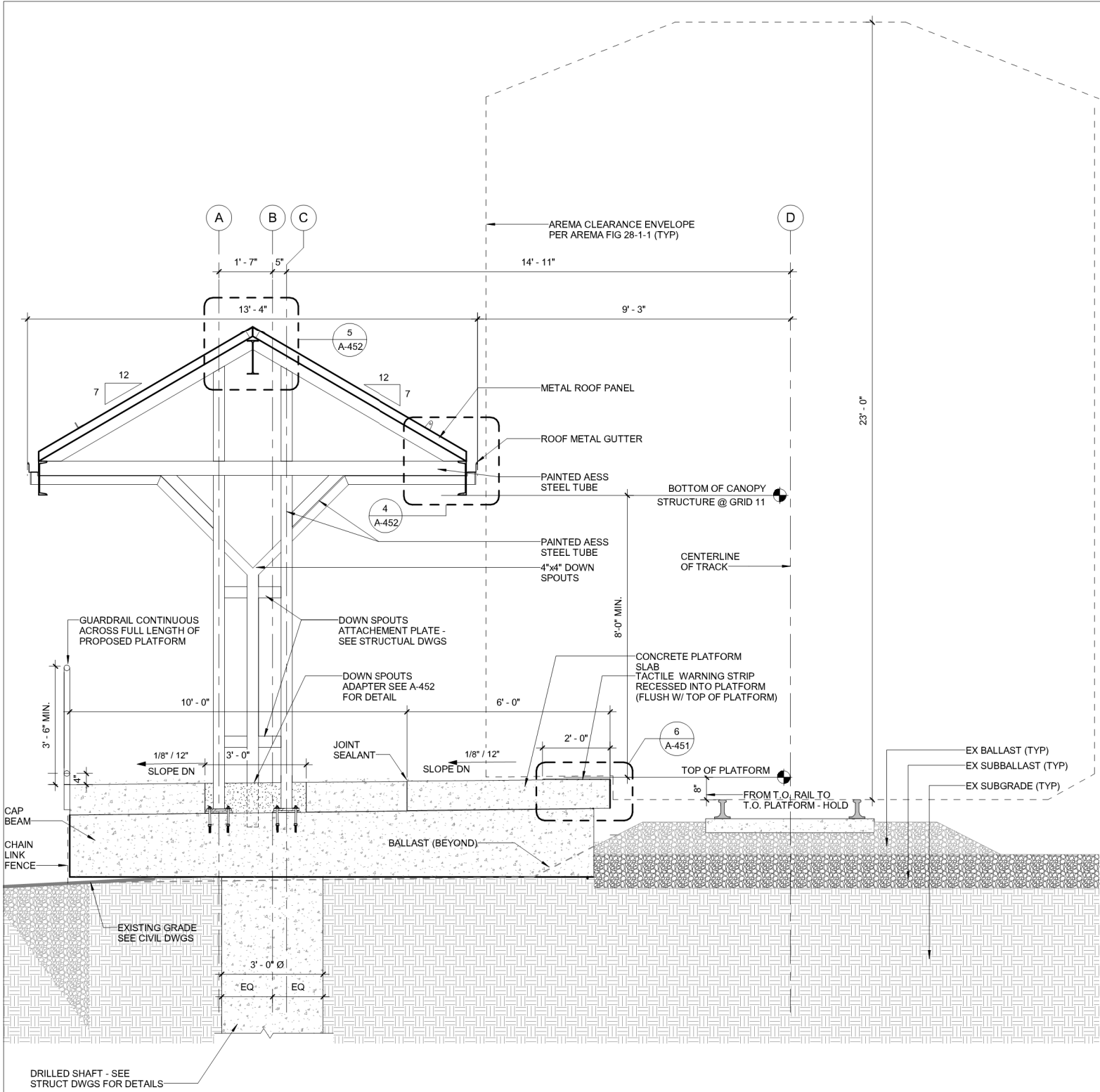


1 SOUTH ELEVATION
Scale: 1/4" = 1'-0"

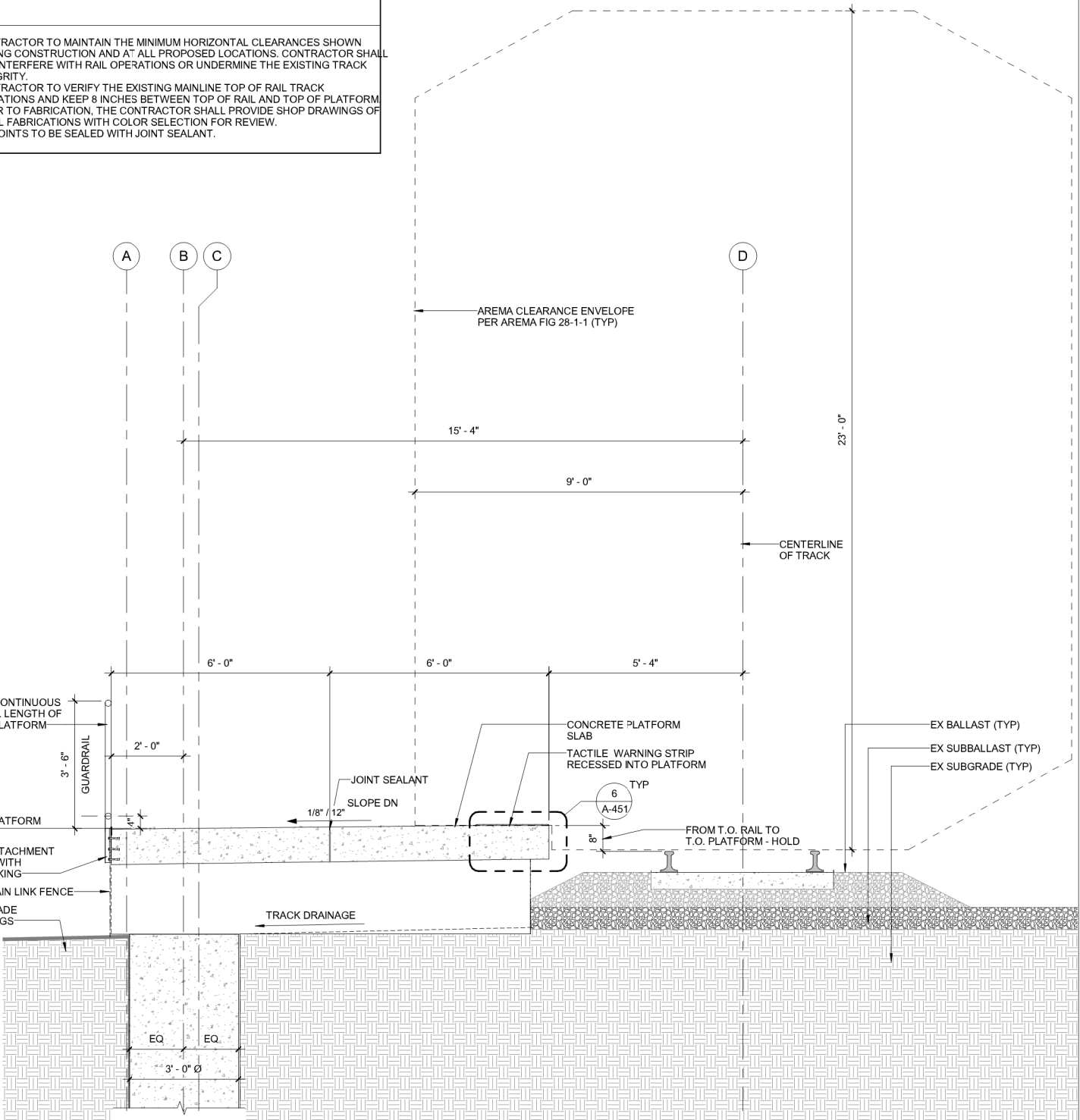


	APPROVED BY VRE	REV NO.	DATE	BY	APP BY	DESCRIPTION	DESIGNED BY:			ROLLING ROAD STATION IMPROVEMENTS	IFB NO:
		0	08/14/2020			INVITATION FOR BID	MD				021-005
							DRAWN BY:				DRAWING NO.
	APPROVED BY COUNTY						MS				A-201
							CHECKED BY:		Dewberry Architects Inc. 8401 ARLINGTON BLVE. FAIRFAX, VA 22031 703.849.0100 (PHONE) 703.849.0518 (FAX)	NEW PLATFORM ELEVATIONS	SCALE:
							DATE				AS NOTED
							08-14-2020				SHEET NO.
											21 OF 51

8/12/2020 11:02:02 AM

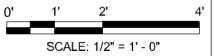


- NOTES
1. CONTRACTOR TO MAINTAIN THE MINIMUM HORIZONTAL CLEARANCES SHOWN DURING CONSTRUCTION AND AT ALL PROPOSED LOCATIONS. CONTRACTOR SHALL NOT INTERFERE WITH RAIL OPERATIONS OR UNDERMINE THE EXISTING TRACK INTEGRITY.
 2. CONTRACTOR TO VERIFY THE EXISTING MAINLINE TOP OF RAIL TRACK ELEVATIONS AND KEEP 8 INCHES BETWEEN TOP OF RAIL AND TOP OF PLATFORM PRIOR TO FABRICATION. THE CONTRACTOR SHALL PROVIDE SHOP DRAWINGS OF STEEL FABRICATIONS WITH COLOR SELECTION FOR REVIEW.
 3. ALL JOINTS TO BE SEALED WITH JOINT SEALANT.

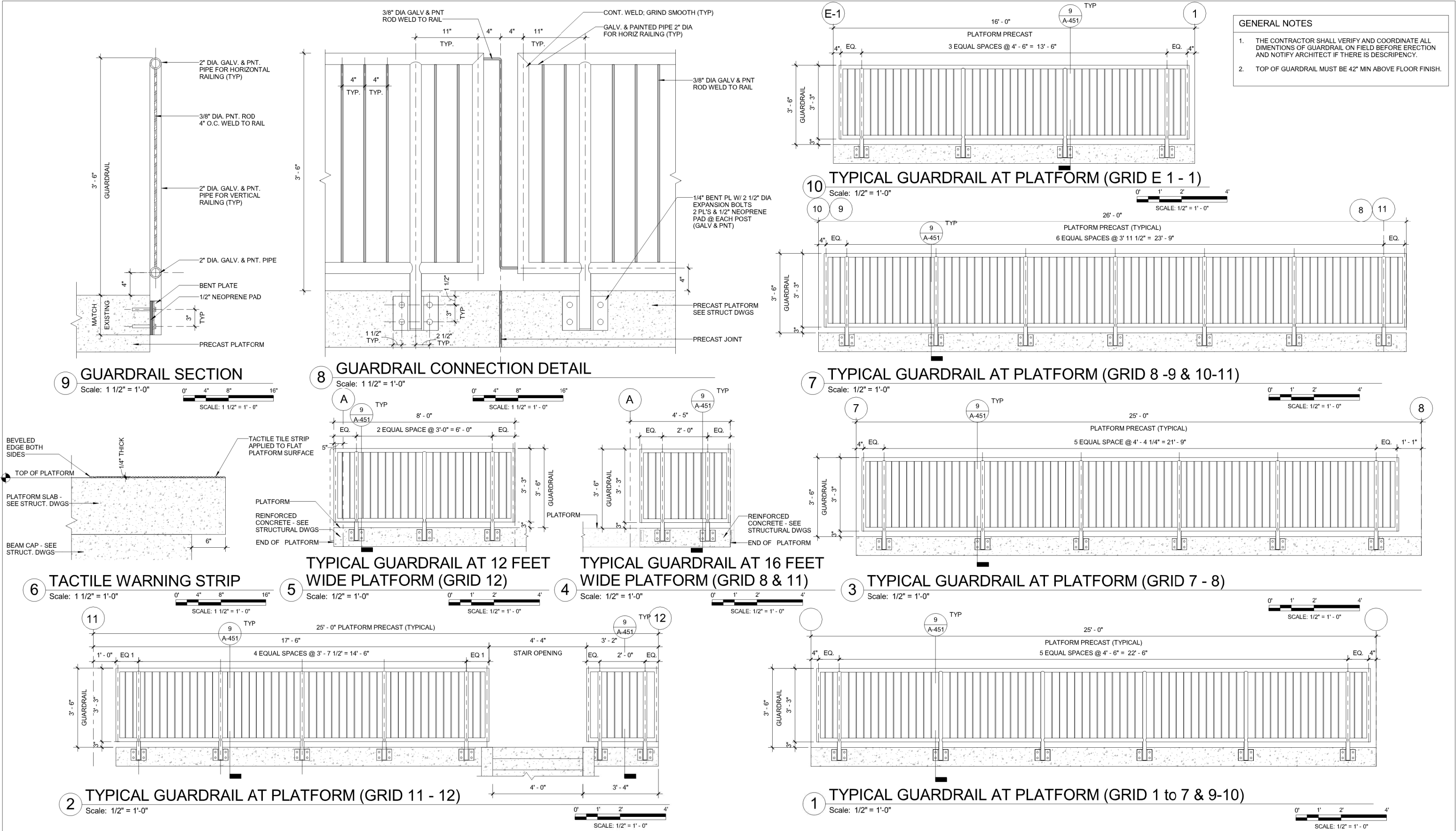


1 PLATFORM CANOPY SECTION AT SUPPORTS
Scale: 1/2" = 1'-0"

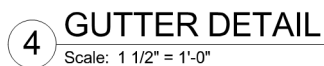
2 PLATFORM TYPICAL SECTION
Scale: 1/2" = 1'-0"



APPROVED BY VRE	REV NO.	DATE	BY	APP BY	DESCRIPTION	DESIGNED BY:				8401 ARLINGTON BLVE. FAIRFAX, VA 22031 703.549.0100 (PHONE) 703.549.0518 (FAX)	ROLLING ROAD STATION IMPROVEMENTS	IFB NO:
	0	08/14/2020			INVITATION FOR BID	MD						021-005
						MD						DRAWING NO.
						MS						A-301
APPROVED BY COUNTY						DATE				8401 ARLINGTON BLVE. FAIRFAX, VA 22031 703.549.0100 (PHONE) 703.549.0518 (FAX)	NEW PLATFORM SECTIONS	SCALE:
						08-14-2020						AS NOTED
												SHEET NO.
												22 OF 51



APPROVED BY VRE	REV NO.	DATE	BY	APP BY	DESCRIPTION	DESIGNED BY:				8401 ARLINGTON BLVE. FAIRFAX, VA 22031 703.549.0100 (PHONE) 703.649.0518 (FAX)	ROLLING ROAD STATION IMPROVEMENTS	IFB NO:	021-005
	0	08/14/2020			INVITATION FOR BID	DRAWN BY:						DRAWING NO.	A-451
						CHECKED BY:						SCALE:	AS NOTED
						DATE						SHEET NO.	23 OF 51
APPROVED BY COUNTY						08-14-2020					RAILING DETAILS		



APPROVED BY VRE	REV NO.	DATE	BY	APP BY	DESCRIPTION	DESIGNED BY:			 Dewberry Architects Inc. 8401 ARLINGTON BLVE. FAIRFAX, VA 22031 703.849.0100 (PHONE) 703.849.0518 (FAX)	ROLLING ROAD STATION IMPROVEMENTS		IFB NO: 021-005
	0	08/14/2020			INVITATION FOR BID	DRAWN BY:				DRAWING NO.		
						MD				A-452		
APPROVED BY COUNTY						CHECKED BY				SCALE:		
						MS				AS NOTED		
						DATE				SHEET NO.		
						08-14-2020				24 OF 51		

STRUCTURAL GENERAL NOTES

1. GENERAL:

- A. THE STRUCTURES CONTAINED IN THIS CONTRACT HAVE BEEN DESIGNED TO WITHSTAND THE DESIGN LOADS IN ITS FINISHED STATE. ANY TEMPORARY BRACING, SHORING, OR SUPPORTS REQUIRED DURING CONSTRUCTION SHALL BE DESIGNED AND FURNISHED BY THE CONTRACTOR. ALL APPLICABLE DESIGN LOADS, INCLUDING CONSTRUCTION LOADS, SHALL BE CONSIDERED.
- B. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE AN EFFECTIVE TEMPORARY BRACING SYSTEM TO KEEP THE STRUCTURE IN ALIGNMENT DURING THE ERECTION. THE DESIGN, SAFETY AND INSPECTION OF THE TEMPORARY SUPPORT SYSTEM IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
- C. THE MEANS, METHODS, SEQUENCE OF CONSTRUCTION AND SUPERVISION IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
- D. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING ALL DIMENSIONS PRIOR TO FABRICATION, LAYOUT AND CONSTRUCTION. IN THE EVENT OF ANY DIMENSIONAL DISCREPANCIES, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY FOR RESOLUTION.
- E. THE STRUCTURAL DRAWINGS SHALL BE USED IN CONJUNCTION WITH THE DRAWINGS OF ALL OTHER DISCIPLINES. ANY REQUIREMENTS OF THE OTHER DISCIPLINES THAT IMPACT THE STRUCTURAL WORK SHALL BE COORDINATED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. ANY IMPACTS NOT SPECIFICALLY SHOWN ON THE STRUCTURAL DRAWINGS MUST BE REVIEWED AND APPROVED BY THE ENGINEER.
- F. THE STRUCTURAL DRAWINGS SHALL ALSO BE USED IN CONJUNCTION WITH THE SPECIFICATIONS.
- G. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR ALL SAFETY PRECAUTIONS AND APPLICABLE REGULATIONS WHILE PERFORMING THE WORK. ALL WORK SHALL BE PERFORMED IN A MANNER THAT WILL ENSURE THE SAFETY OF THE RAILROAD, GENERAL PUBLIC, COMMUTERS, CONTRACTOR EMPLOYEES, ETC.
- H. EXISTING CONCRETE PLATFORM SHALL REMAIN FULLY OPERATIONAL DURING CONSTRUCTION. CONTRACTOR SHALL SEPARATE AND SEAL OFF WORK AREA FROM PUBLIC ACCESS.
- I. THIS WORK IS IN CLOSE PROXIMITY TO ACTIVE TRACKS. CONTRACTOR SHALL SCHEDULE HIS WORK AND REMOVE ALL OBSTACLES TO ACCOMMODATE SAFE TRAIN OPERATIONS. INTERRUPTED AND/OR WEEKEND WORK MAY BE REQUIRED TO ENSURE CONTINUED TRAIN OPERATIONS.

2. DESIGN CODES AND SPECIFICATIONS:

THE STRUCTURES IN THIS CONTRACT HAVE BEEN DESIGNED IN ACCORDANCE WITH THE FOLLOWING CODES AND SPECIFICATIONS:

- A. VIRGINIA RAILWAY EXPRESS (VRE) STATION DESIGN GUIDELINES, NORTHERN VIRGINIA, 2002
- B. VIRGINIA UNIFORM STATEWIDE BUILDING CODE (VUSBC), 2012
- C. INTERNATIONAL BUILDING CODE (IBC), 2012
- D. BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE, ACI 318, 2011
- E. AISC STEEL CONSTRUCTION MANUAL, 2010
- F. ASCE/SEI 7 MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES, 2010

3. DESIGN LOADS:

THE STRUCTURES IN THIS CONTRACT HAVE BEEN DESIGNED FOR THE FOLLOWING LOADS:

- A. DEAD LOAD:
1. CONCRETE: 150 PCF
2. STEEL: 490 PCF
3. METAL ROOF PANEL: 2.5 PSF
- B. LIVE LOAD:
1. PLATFORM FLOOR: 100 PSF
2. CANOPY ROOF: 20 PSF
- C. SNOW LOADS:
1. CANOPY ROOF: 21 PSF
- D. WIND LOADS:
1. BASIC WIND SPEED: 120 MPH
2. EXPOSURE CATEGORY: B
- E. SEISMIC LOADS:
1. SEISMIC CATEGORY: B
2. SITE CLASSIFICATION: D
3. SHORT TERM DESIGN SPECTRAL RESPONSE ACCELERATION: 0.129 g
4. 1.0 SECOND DESIGN SPECTRAL RESPONSE ACCELERATION: 0.083 g

4. PRECAST CONCRETE

- A. CONCRETE SLABS SHALL BE DESIGNED BY PRECASTER IN ACCORDANCE WITH VUSBC. DESIGN CALCULATIONS AND SHOP DRAWINGS SHALL BE SIGNED AND SEALED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF VIRGINIA AND SUBMITTED FOR REVIEW AND APPROVAL.
- B. ALL PRECAST MEMBERS SHALL BE DESIGNED FOR THE FOLLOWING: DEAD LOADS, LIVE LOADS, SNOW LOADS, ANTICIPATED CONSTRUCTION LOADS AND HANDLING/ERECTION LOADS, AND SEISMIC LOADS, AS APPLICABLE.
- C. PROVIDE MINIMUM COVER OF 2 INCHES.
- D. LIVE LOAD DEFLECTIONS SHALL BE LIMITED TO THE SPAN LENGTH OF THE MEMBER DIVIDED BY 360 (L/360).
- E. SEAL CONCRETE PLATFORM WITH SILANE BASED CLEAR PENETRATING SEALER WITH 40% SOLIDS PER MANUFACTURER INSTRUCTIONS.
- F. REFER TO PRECAST CONCRETE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
- G. THE PRECASTER SHALL DESIGN THE CONNECTION BETWEEN THE PRECAST SLAB AND THE SUPPORTING STRUCTURE, AS NECESSARY. CARE SHALL BE TAKEN TO AVOID REINFORCING STEEL IN THE CAP BEAM.
- H. THE PRECASTER SHALL DESIGN THE CONNECTION / ANCHORAGE OF THE POLE MOUNTED LIGHTING TO THE PRECAST SLAB.
- I. A DRIP GROOVE SHALL BE PROVIDED ALONG THE EDGES OF THE SLAB SOFFIT.
- J. CONCRETE SLABS ARE ASSIGNED EXPOSURE CLASSES F3 AND C2, AS SPECIFIED IN ACI 318.

5. CAST-IN-PLACE CONCRETE:

- A. STRUCTURAL CONCRETE SHALL HAVE A 28 DAY COMPRESSIVE STRENGTH OF 4000 PSI, AND SHALL COMPLY WITH VIRGINIA DEPARTMENT OF TRANSPORTATION (VDOT) CLASS A4 CONCRETE, GENERAL. SEE VDOT ROAD AND BRIDGE SPECIFICATIONS, 2016.
- B. REINFORCING BARS SHALL CONFORM TO ASTM A615, GRADE 60.
- C. ALL REINFORCING BAR DIMENSIONS ON THE DRAWINGS ARE TO CENTERS OF BARS EXCEPT WHERE NOTED OTHERWISE.
- D. CONCRETE COVER FOR REINFORCING STEEL SHALL CONFORM TO ACI 318.
- E. ALL HOOKS AND BENDS SHOWN SHALL BE ACI STANDARD HOOKS AND BENDS, UNLESS NOTED OTHERWISE.
- F. SEE SPECIFICATIONS FOR THE DETAILS ON THE REQUIRED CONCRETE FINISH.
- G. SEAL CONCRETE STAIRS/RAMPS/SIDEWALKS WITH SILANE BASED CLEAR PENETRATING SEALER WITH 40% SOLIDS PER MANUFACTURER INSTRUCTIONS.

6. COORDINATION

- A. STRUCTURAL DRAWINGS SHALL BE USED IN CONJUNCTION WITH, AND COORDINATED WITH, ALL OTHER CONTRACT DOCUMENTS.
- B. THE PRECASTER SHALL COORDINATE THE DESIGN OF THE CONNECTION / ANCHORAGE OF THE POLE MOUNTED LIGHTING WITH THE LIGHTING MANUFACTURER AND THE ELECTRICAL DRAWINGS.
- C. THE PRECASTER SHALL COORDINATE THE LIGHTING LOCATIONS AND CONDUIT REQUIREMENTS WITH THE ELECTRICAL DRAWINGS.
- D. THE PRECASTER SHALL COORDINATE ANY EQUIPMENT REQUIREMENTS WITH THE ARCHITECTURAL AND ELECTRICAL DRAWINGS.

7. STRUCTURAL STEEL FOR CANOPY:

- A. W-SHAPES, WT-SHAPES AND CHANNELS SHALL CONFORM TO ASTM A992, GRADE 50.
- B. PLATES, BARS AND ANGLES SHALL CONFORM TO ASTM A36, UNLESS NOTED OTHERWISE.
- C. HSS TUBING SHALL CONFORM TO ASTM A500, GRADE B.
- D. STRUCTURAL PIPE SHALL CONFORM TO ASTM A53 TYPE E GRADE B.
- E. UNLESS OTHERWISE NOTED, ALL BOLTED CONNECTIONS SHALL CONTAIN ¾" DIAMETER ASTM A325 SLIP CRITICAL BOLTS WITH THREADS INCLUDED IN THE SHEAR PLANE. BOLTED CONNECTIONS SHALL CONFORM TO AISC "SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM A325 OR A490 BOLTS," CURRENT EDITION. A MINIMUM OF TWO BOLTS SHALL BE PROVIDED AT EACH CONNECTION.
- F. UNLESS OTHERWISE MODIFIED IN THE SPECIFICATIONS, ALL DETAILING, FABRICATION AND ERECTION OF STRUCTURAL STEEL SHALL BE IN ACCORDANCE WITH THE APPLICABLE PROVISIONS OF THE FOLLOWING DOCUMENTS:
1. AISC "CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES"
2. AISC "SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS"
- G. PAINTING OF STRUCTURAL STEEL AND BOLTS SHALL BE IN ACCORDANCE WITH THE SPECIFICATIONS.
- H. ALL WELDING SHALL CONFORM TO ANSI/AWS D1.1 STRUCTURAL WELDING CODE, CURRENT EDITION.
- I. ANCHOR BOLTS SHALL CONFORM TO THE FOLLOWING:
1. THREADED RODS: ASTM F1554, GRADE 55
2. NUTS: ASTM A563, GRADE A, HEAVY HEX
3. THREADS: UNC PER ANSI B1.1, CLASS 2A FIT
4. WASHERS: ASTM F436, TYPE 1
5. NUTS, BOLTS AND WASHERS SHALL BE HOT-DIP GALVANIZED IN ACCORDANCE WITH ASTM F2329.

8. METAL ROOF PANEL:

- A. REFER TO THE PROJECT SPECIFICATIONS FOR ADDITIONAL METAL ROOF PANEL REQUIREMENTS.
- B. THE METAL ROOF PANEL AND ITS CONNECTIONS SHALL BE CAPABLE OF RESISTING THE FOLLOWING:
1. AN UPLIFT WIND FORCE, PERPENDICULAR TO THE ROOF PANEL, OF 34 PSF.
2. A DOWNWARD WIND FORCE, PERPENDICULAR TO THE ROOF PANEL, OF 49 PSF.
3. ROOF LIVE LOAD OF 20 PSF.
4. SNOW LOAD OF 21 PSF.
5. DEFLECTION LIMITATION: SPAN LENGTH DIVIDED BY 180 (L/180)

9. FOUNDATIONS:




- A. THE FOUNDATION DESIGN IS BASED UPON RECOMMENDATIONS PROVIDED IN THE PROJECT GEOTECHNICAL REPORT PREPARED BY GEOCONCEPTS ENGINEERING, INC., DATED FEBRUARY 22, 2018.
- B. DRILLED SHAFTS HAVE BEEN DESIGNED FOR LATERAL AND AXIAL LOADS. IN ORDER TO ADEQUATELY RESIST LOADS, THE DRILLED SHAFTS AT COLUMN LINES 1 THRU 7 AND 12 SHALL EXTEND A MINIMUM OF 28'-0" BELOW GRADE AND THE DRILLED SHAFTS AT COLUMN LINES 8 THRU 11 SHALL EXTEND A MINIMUM OF 33'-0" BELOW GRADE. THE DRILLED SHAFTS AT COLUMN LINES 1 THRU 7 AND 12 HAVE AN ALLOWABLE AXIAL CAPACITY OF 106 KIPS. THE DRILLED SHAFTS AT COLUMN LINES 8 THRU 11 HAVE AN ALLOWABLE AXIAL CAPACITY OF 128 KIPS. THIS IS BASED UPON A FACTOR OF SAFETY OF 2.5 FOR END BEARING AND 3.25 FOR SKIN FRICTION.
- C. REFER TO THE GEOTECHNICAL SPECIFICATIONS (MEMORANDUM DATED FEBRUARY 22, 2018) AND THE PROJECT GEOTECHNICAL REPORT FOR REQUIREMENTS ON THE CLEANING OF THE BOTTOM OF THE SHAFT, PLACEMENT OF CONCRETE, USE OF STEEL CASINGS, AND EARTHWORK.

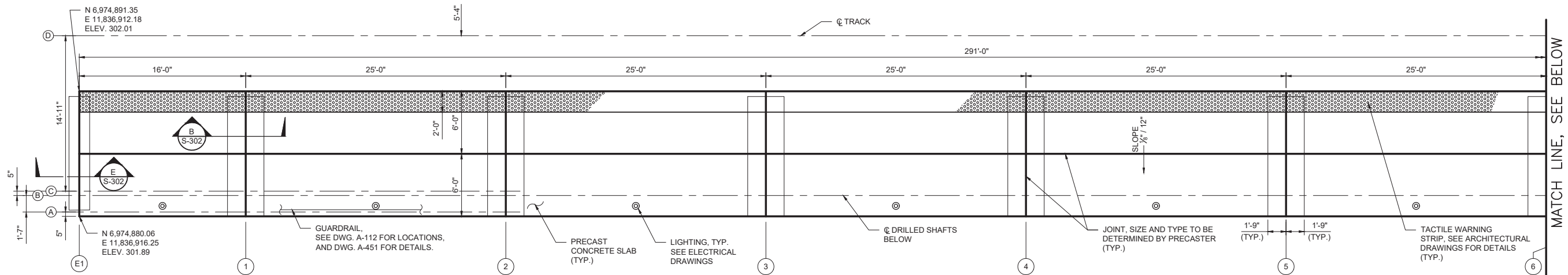
10. EXISTING STRUCTURE:

- A. FOR INFORMATION ON THE EXISTING STRUCTURE, REFER TO AS-BUILT DRAWINGS.
- B. ALL DIMENSIONS AFFECTED BY THE GEOMETRICS AND/OR LOCATION OF THE EXISTING STRUCTURE SHALL BE FIELD VERIFIED BY THE CONTRACTOR BEFORE THE COMMENCEMENT OF CONSTRUCTION AND BEFORE ANY MATERIALS HAVE BEEN ORDERED. THE +/- MARKS SHOWN WITH DIMENSIONS DO NOT INDICATE ANY DEGREE OF PRECISION. THESE MARKS (+/-) INDICATE EXISTING DIMENSIONS THAT MAY VARY AND DO REQUIRE FIELD VERIFICATION BY THE CONTRACTOR.
- C. THE CONTRACTOR SHALL EXERCISE EXTREME CAUTION DURING DEMOLITION OF EXISTING CANOPY AND PLATFORM SO AS TO NOT DAMAGE THE EXISTING STRUCTURE TO REMAIN.
- D. AN INSPECTION OF THE EXISTING CAP BEAM AND FOUNDATION SHALL BE PERFORMED PRIOR TO THE COMMENCEMENT OF CONSTRUCTION. ANY DEFICIENCIES SHALL BE DIRECTED TO THE ENGINEER OF RECORD TO DETERMINE THE APPROPRIATE REPAIR.
- E. DUE TO THE LACK OF AS-BUILT INFORMATION ON THE EXISTING PIER AT COLUMN LINE E1, AN ANALYSIS OF THE EXISTING PIER USING THE PROPOSED LOADING AND THE CURRENT IBC 2012 DESIGN CODE COULD NOT BE PERFORMED. INSTEAD, A COMPARISON OF THE EXISTING LOADING AND THE PROPOSED LOADING WAS PERFORMED. IT WAS DETERMINED THAT THE PROPOSED LOADING ON THE EXISTING PIER WILL BE LESS THAN THE EXISTING LOADING. ADDITIONALLY, IT IS UNKNOWN WHAT DESIGN CODE AND LIVE LOADING WERE USED TO DESIGN THE EXISTING PIER. HOWEVER, BECAUSE THE FUNCTION OF THE STRUCTURE HAS NOT CHANGED AND THE LOADING ON THE STRUCTURE HAS NOT INCREASED, THE EXISTING PIER HAS BEEN DEEMED ACCEPTABLE TO SUPPORT THE NEW PLATFORM.

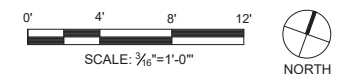
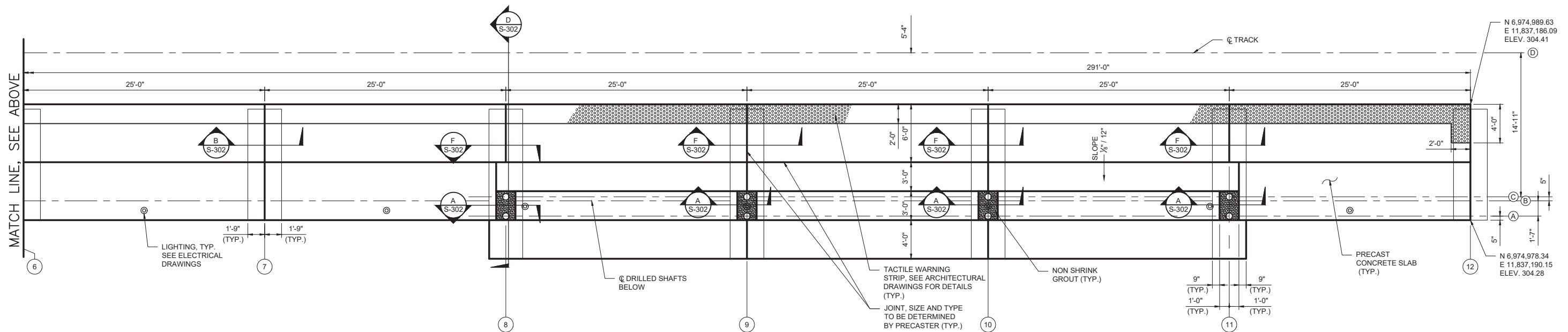
11. SPECIAL INSPECTIONS:

- A. CONTRACTOR MUST COORDINATE WORK WITH THE VRE PROVIDED SPECIAL INSPECTOR. SPECIAL INSPECTIONS SHALL BE PERFORMED BY A QUALIFIED INSPECTOR APPROVED BY THE ENGINEER AND THE BUILDING OFFICIAL.
- B. SPECIAL INSPECTIONS SHALL BE PERFORMED UNDER THE DIRECT SUPERVISION OF A STATE REGISTERED STRUCTURAL ENGINEER WHO IS FAMILIAR WITH THE STRUCTURAL DESIGN OF THIS PROJECT. THE SPECIAL INSPECTION CERTIFICATE SHALL BE SEALED BY THE SUPERVISING STRUCTURAL ENGINEER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING A MINIMUM OF 24 HOURS NOTICE TO THE SPECIAL INSPECTOR AND THE TESTING LABORATORY PRIOR TO BEGINNING ANY WORK FOR WHICH SPECIAL INSPECTION OR TESTING IS REQUIRED.
- C. SPECIAL INSPECTION IS REQUIRED DURING THE FOLLOWING OPERATIONS PER VUSBC CHAPTER 17. INSPECTION OF ADDITIONAL OPERATIONS NOT LISTED BELOW MAY ALSO BE REQUIRED PER CHAPTER 17. IN THE EVENT THAT ANY OF THE FOLLOWING OPERATIONS ARE NOT USED IN THE CONSTRUCTION OF THIS PROJECT, THEN SPECIAL INSPECTION OF THOSE OPERATIONS IS NOT REQUIRED.
1. STRUCTURAL STEEL, WELDING AND HIGH STRENGTH BOLTING, PER VUSBC SECTION 1705.2 AND TABLE 1705.2.2.
2. ANCHOR BOLTS PER VUSBC TABLE 1705.3.
3. SOILS PER VUSBC SECTION 1705.6 AND TABLE 1705.6.
4. CONCRETE PER VUSBC SECTION 1705.3 AND TABLE 1705.3.
5. REINFORCING STEEL PER VUSBC SECTION 1705.3 AND TABLE 1705.3.
6. CAST-IN-PLACE DEEP FOUNDATIONS PER VUSBC 1705.8 AND TABLE 1705.8.
- D. DUTIES AND RESPONSIBILITIES OF THE SPECIAL INSPECTOR:
1. THE SPECIAL INSPECTOR SHALL INSPECT THE WORK ASSIGNED FOR CONFORMANCE WITH THE APPROVED DESIGN DRAWINGS AND SPECIFICATIONS.
2. THE SPECIAL INSPECTOR SHALL FURNISH INSPECTION REPORTS TO THE BUILDING OFFICIAL AND TO THE ENGINEER OF RECORD AND DISCREPANCIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE CONTRACTOR FOR CORRECTION. IF THEY ARE NOT CORRECTED, THE DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER OF RECORD AND THE BUILDING OFFICIAL.
3. UPON COMPLETION OF THE ASSIGNED WORK, THE SPECIAL INSPECTOR SHALL COMPLETE AND SIGN A FINAL REPORT CERTIFYING THAT TO THE BEST OF THE INSPECTOR'S KNOWLEDGE, THE WORK IS IN CONFORMANCE WITH THE APPROVED PLANS AND SPECIFICATIONS, AND THE APPLICABLE WORKMANSHIP PROVISIONS OF THE CODE. ANY CORRECTIONS OF DISCREPANCIES SHALL ALSO BE DOCUMENTED IN THE REPORT.

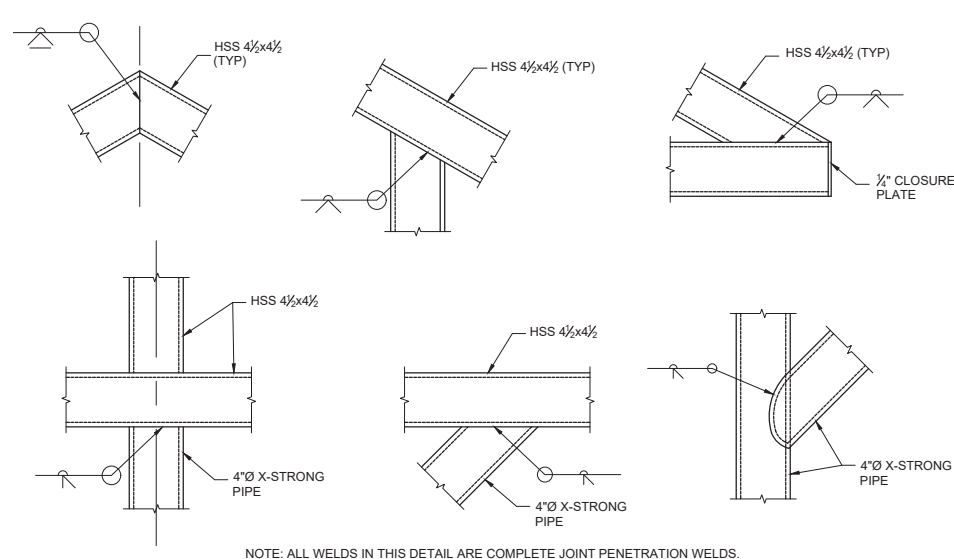
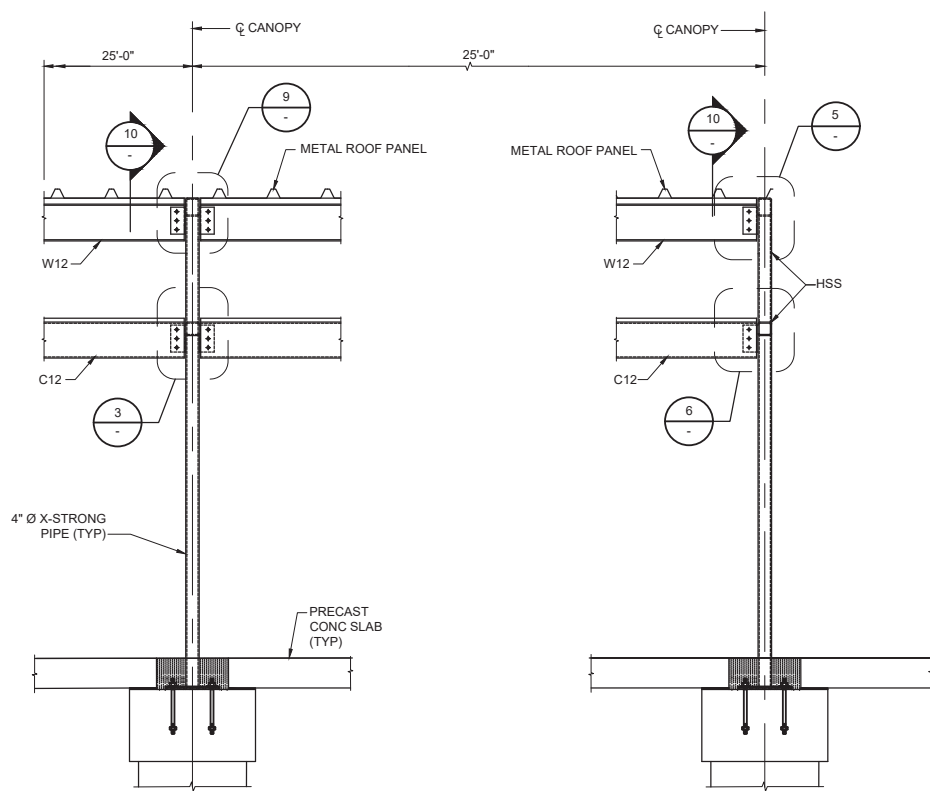
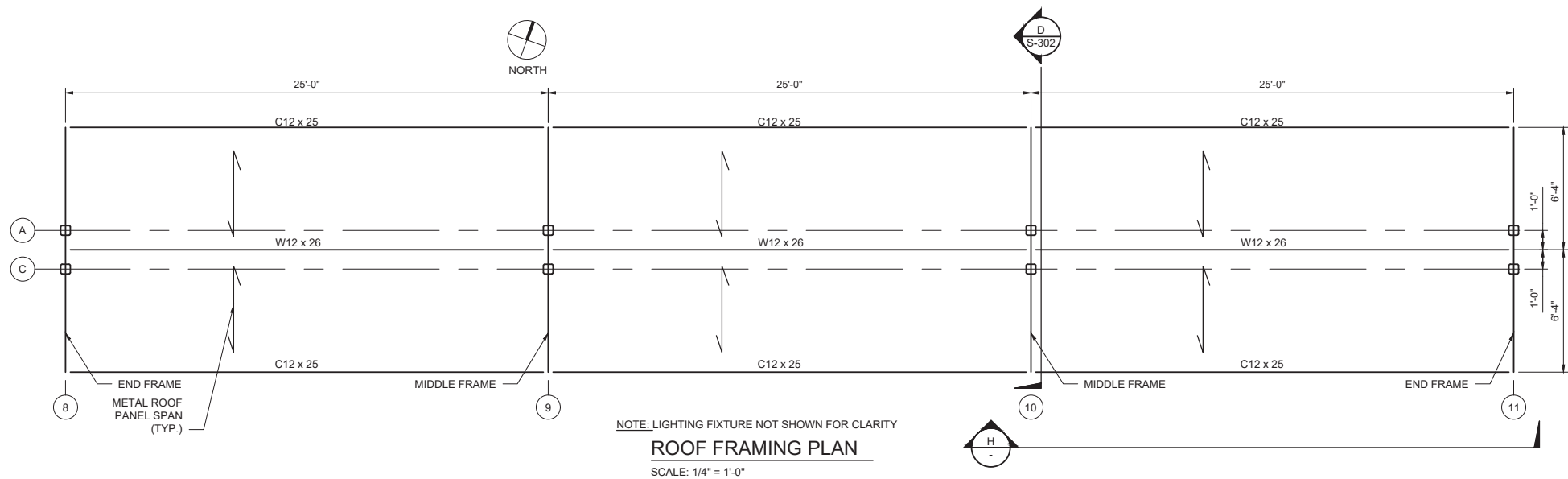
	APPROVED BY VRE	REV.NO.	DATE	BY	APP BY	DESCRIPTION	DESIGNED BY: K.M.H.			 Dewberry Engineers Inc. 8401 ARLINGTON BLVD. FAIRFAX, VA 22031 703.849.0100 (PHONE) 703.849.0518 (FAX)	ROLLING ROAD STATION IMPROVEMENTS	IFB NO: 021-005
		0	08/14/2020			INVITATION FOR BID	DRAWN BY: D.C.S.					DRAWING NO: S-001
							CHECKED BY: P.S.O.				STRUCTURAL NOTES	SCALE: AS NOTED
	APPROVED BY COUNTY						DATE: 08-14-2020					SHEET NO: 25 OF 51



- NOTE:
- CANOPY BASE PLATE AND ANCHOR BOLTS NOT SHOWN FOR CLARITY.
 - COORDINATES SHOWN HEREON ARE BASED ON THE VIRGINIA COORDINATE SYSTEM OF 1983 AS COMPUTED FROM FIELD RUN HORIZONTAL AND VERTICAL CONTROL SURVEY THAT TIES THIS BOUNDARY TO THE FAIRFAX COUNTY MONUMENT GPS 93.

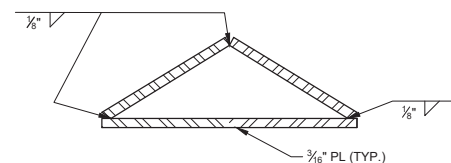
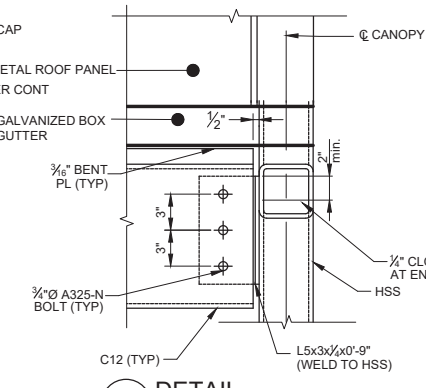
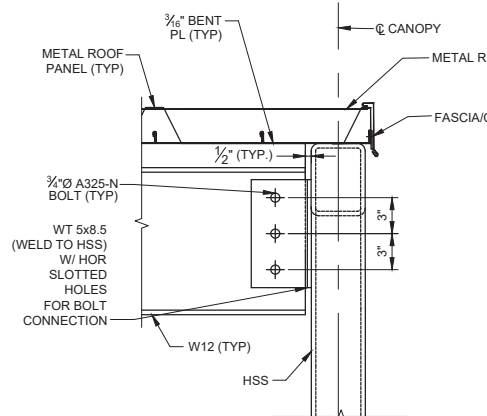
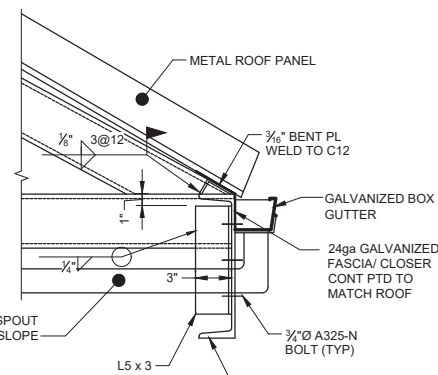
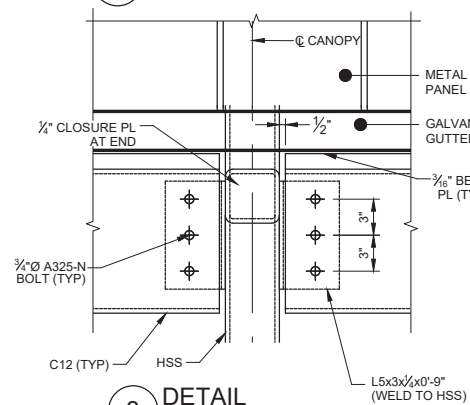
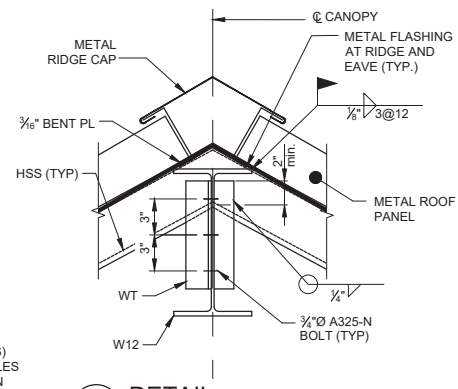
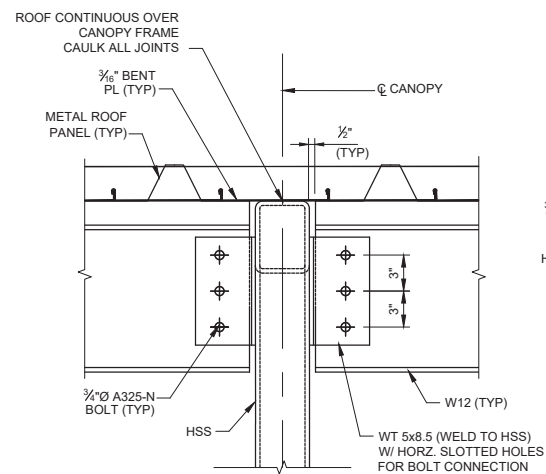


	APPROVED BY VRE	REV.NO.	DATE	BY	APP BY	DESCRIPTION	DESIGNED BY: K.M.H.	   <p>Dewberry Engineers Inc. 8401 ARLINGTON BLVD. FAIRFAX, VA 22031 703.849.0100 (PHONE) 703.849.0518 (FAX)</p>	ROLLING ROAD STATION IMPROVEMENTS PLATFORM PLAN	IFB NO: 021-005
		0	08/14/2020			INVITATION FOR BID	DRAWN BY: D.C.S.			DRAWING NO: S-201
	APPROVED BY COUNTY						CHECKED BY: P.S.O.			SCALE: AS NOTED
							DATE: 08-14-2020			SHEET NO: 27 OF 51



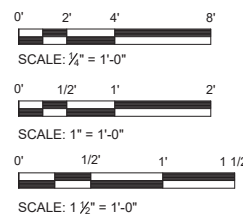
ROOF FRAMING NOTES:

- FOR GENERAL NOTES SEE SHEET S-001.
- SEE ARCHITECTURAL DRAWING FOR ROOF SLOPES, GUTTERS, DIMENSIONS AND OTHER INFORMATION NOT SHOWN.
- UNLESS NOTED OTHERWISE, ALL STEEL SHALL BE SHOP FABRICATED, PRIMED AND PAINTED.
- PRIOR TO FABRICATION THE CONTRACTOR SHALL PROVIDE SHOP DRAWINGS FOR REVIEW.
- UNLESS NOTED OTHERWISE ALL WELDS SHALL BE 1/4" FILLET WELD ALL AROUND.
- CONNECT METAL PANEL TO W12 x 26 AND C12 x 25 PER MANUFACTURERS RECOMMENDATION AND PER THE GENERAL NOTES.
- FOR LOCATION OF DETAIL 4, SEE SHEET S-302.



ALTERNATE BUILT-UP SECTION AT RIDGE

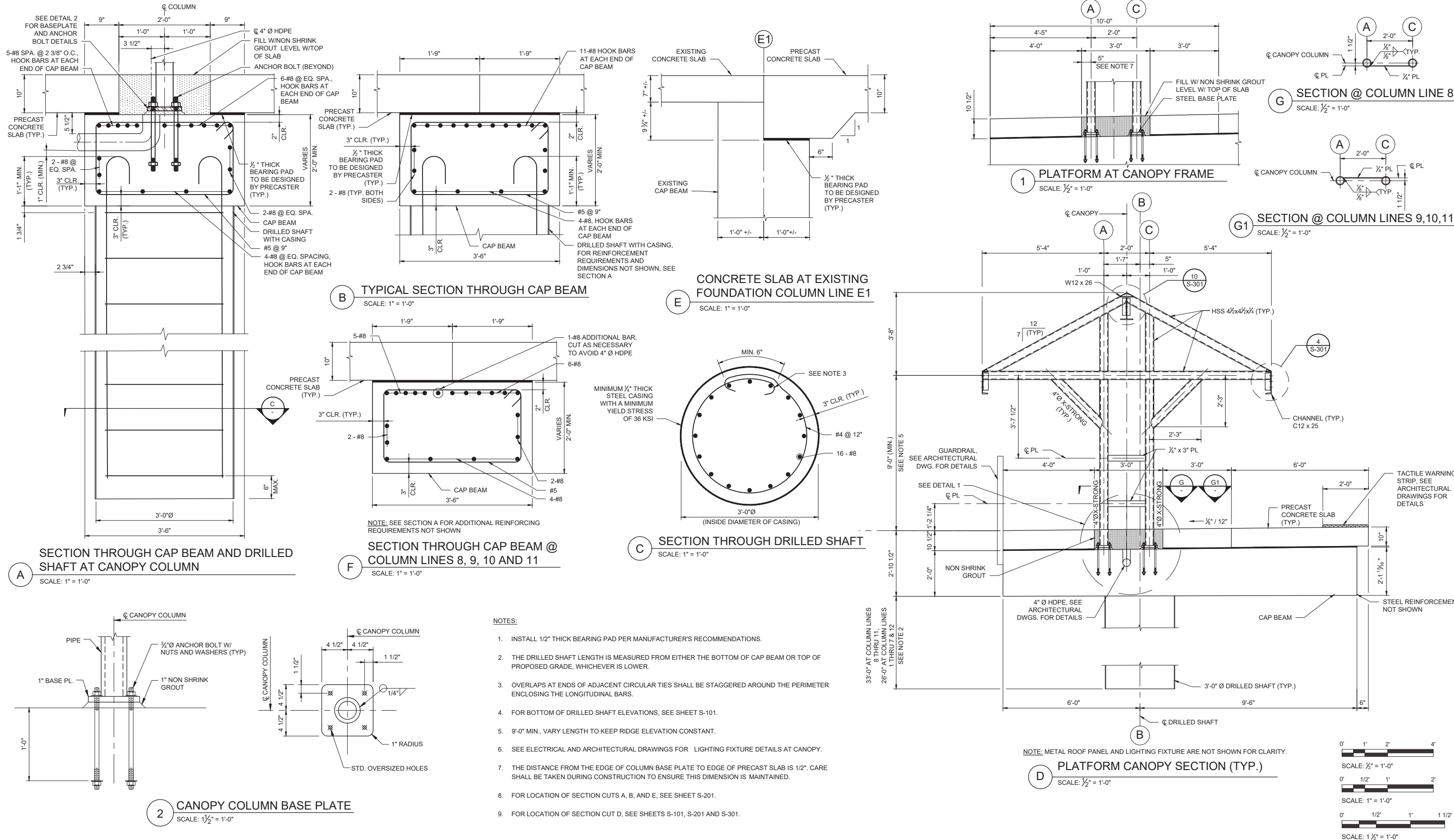
NOTE: AT CONTRACTOR'S OPTION, THIS ALTERNATIVE DETAIL CAN BE USED INSTEAD OF BENT PLATES.



H ELEVATION

SCALE: 3/8" = 1'-0"

	APPROVED BY VRE	REV.NO.	DATE	BY	APP BY	DESCRIPTION	DESIGNED BY: K.M.H.				Dewberry Engineers Inc. 8401 ARLINGTON BLVD. FAIRFAX, VA 22031 703.849.0100 (PHONE) 703.849.0516 (FAX)	ROLLING ROAD STATION IMPROVEMENTS	IFB NO: 021-005
		0	08/14/2020			INVITATION FOR BID	DRAWN BY: D.C.S.						DRAWING NO: S-301
	APPROVED BY COUNTY						CHECKED BY: P.S.O.						SCALE: AS NOTED
							DATE: 08-14-2020						SHEET NO: 28 OF 51

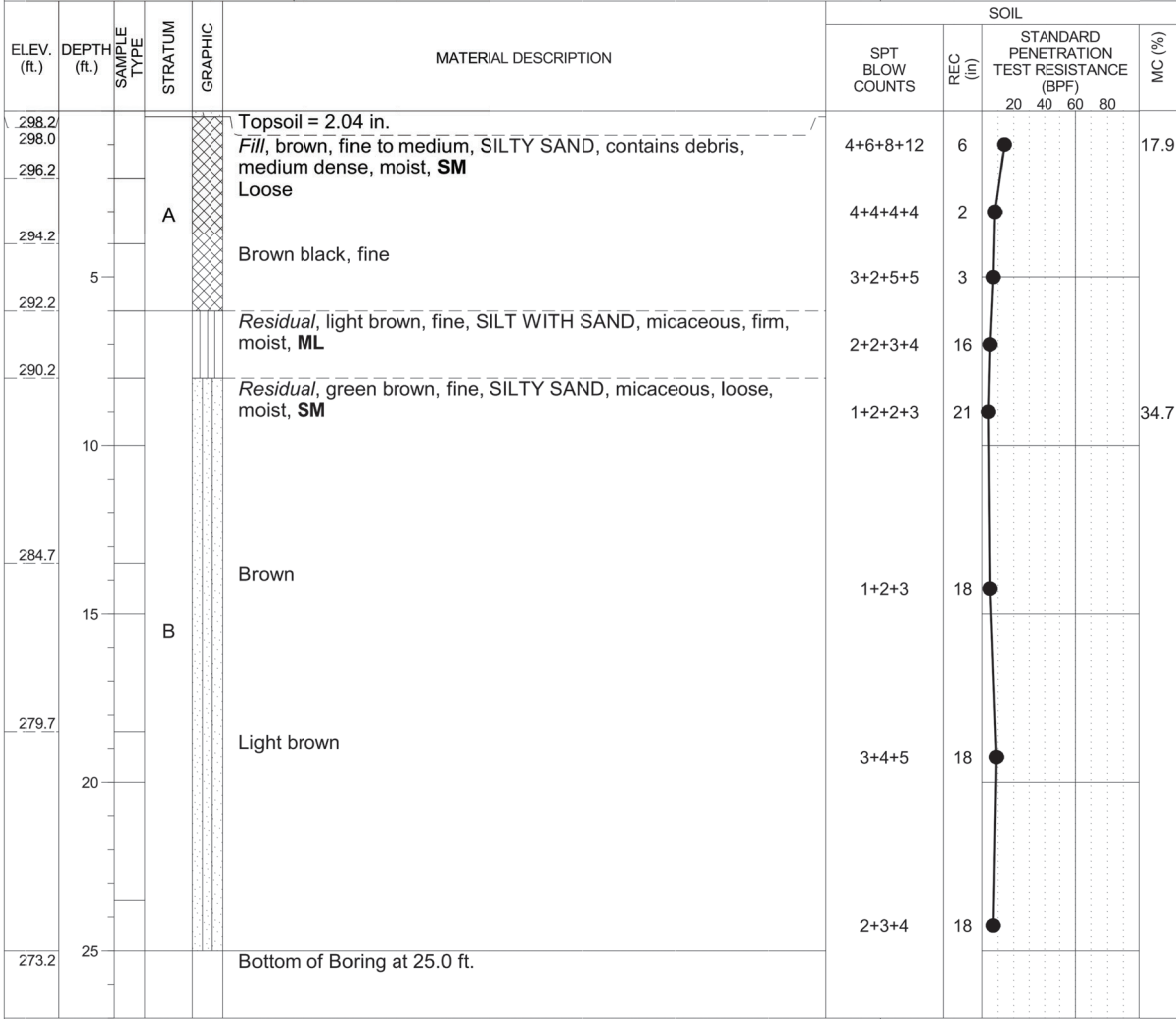


- NOTES:
1. INSTALL 1/2" THICK BEARING PAD PER MANUFACTURER'S RECOMMENDATIONS.
 2. THE DRILLED SHAFT LENGTH IS MEASURED FROM EITHER THE BOTTOM OF CAP BEAM OR TOP OF PROPOSED GRADE, WHICHEVER IS LOWER.
 3. OVERLAPS AT ENDS OF ADJACENT CIRCULAR TIES SHALL BE STAGGERED AROUND THE PERIMETER ENCLOSING THE LONGITUDINAL BARS.
 4. FOR BOTTOM OF DRILLED SHAFT ELEVATIONS, SEE SHEET S-101.
 5. 9'-0" MIN., VARY LENGTH TO KEEP RIDGE ELEVATION CONSTANT.
 6. SEE ELECTRICAL AND ARCHITECTURAL DRAWINGS FOR LIGHTING FIXTURE DETAILS AT CANOPY.
 7. THE DISTANCE FROM THE EDGE OF COLUMN BASE PLATE TO EDGE OF PRECAST SLAB IS 1/2". CARE SHALL BE TAKEN DURING CONSTRUCTION TO ENSURE THIS DIMENSION IS MAINTAINED.
 8. FOR LOCATION OF SECTION CUTS A, B, AND E, SEE SHEET S-201.
 9. FOR LOCATION OF SECTION CUT D, SEE SHEETS S-101, S-201 AND S-301.



19955 Highland Vista Dr., #170
Ashburn, Virginia 20147
703-726-8030
703-726-8032 fax

PROJECT: VRE Rolling Road Station Platform Extension		LOGGED BY: K. Hayes		BORING NUMBER: B-1	
LOCATION: 9016 Burke Road, Burke, Virginia		DRILLING CONTRACTOR: Connelly & Associates Inc.		SHEET 1 OF 1	
OWNER/CLIENT: Dewberry		DRILLER: C. Gudiel		DATES DRILLED: 12/7/16 - 12/7/16	
PROJECT NUMBER: 16045		GROUND SURFACE ELEVATION (ft.): 298.2		DRILLING METHOD: Automatic hammer 3.25"	
DRILL RIG:					



GROUND WATER LEVELS:		SAMPLE TYPES:	
NOT ENCOUNTERED DURING DRILLING			
NOT ENCOUNTERED UPON COMPLETION		CAVED: <u>15.0</u> ft. ELEV. <u>283.2</u>	

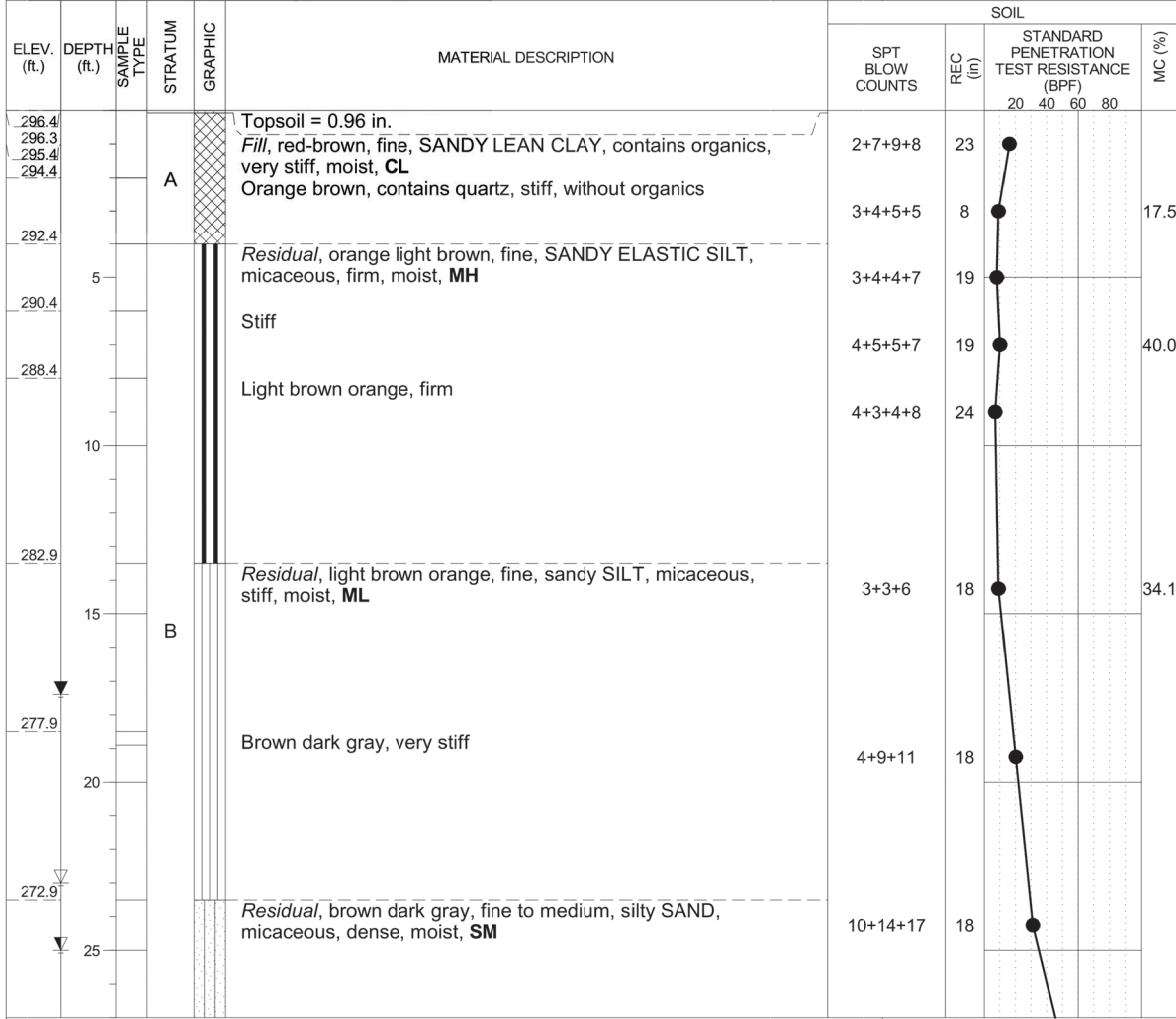
REMARKS: Borehold backfilled upon completion.

THE STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARIES. THE TRANSITION MAY BE GRADUAL.



19955 Highland Vista Dr., #170
Ashburn, Virginia 20147
703-726-8030
703-726-8032 fax

PROJECT: VRE Rolling Road Station Platform Extension		LOGGED BY: K. Hayes		BORING NUMBER: B-2	
LOCATION: 9016 Burke Road, Burke, Virginia		DRILLING CONTRACTOR: Connelly & Associates Inc.		SHEET 1 OF 2	
OWNER/CLIENT: Dewberry		DRILLER: C. Gudiel		DATES DRILLED: 12/7/16 - 12/7/16	
PROJECT NUMBER: 16045		GROUND SURFACE ELEVATION (ft.): 296.4		DRILLING METHOD: Automatic hammer 3.25"	
DRILL RIG:					



GROUND WATER LEVELS:		SAMPLE TYPES:	
ENCOUNTERED: <u>23.0</u> ft. ELEV. <u>273.4</u>			
UPON COMPLETION: <u>25.0</u> ft. ELEV. <u>271.4</u>			
12/7/1980 <u>17.4</u> ft. ELEV. <u>279.0</u>		CAVED: <u>40.0</u> ft. ELEV. <u>256.4</u>	

REMARKS:

THE STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARIES. THE TRANSITION MAY BE GRADUAL.

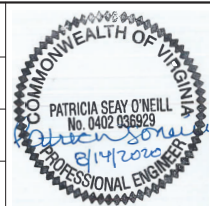
- NOTES:
- FOR LOCATIONS OF BORINGS, SEE SHEET C-201.
 - BORING LOGS WERE PREPARED BY GEOCONCEPTS ENGINEERING, INC., THE GEOTECHNICAL ENGINEER OF RECORD. THE LOGS SHOWN ON THIS DRAWING ARE FOR INFORMATION PURPOSES ONLY.

BOREHOLE/TEST PIT VRE ROLLING ROAD STATION PLATFORM EXTENSION LOG.GPJ GEOCONCEPTS TEMPLATE 09-16-2015.GDT 2/22/17

BOREHOLE/TEST PIT VRE ROLLING ROAD STATION PLATFORM EXTENSION LOG.GPJ GEOCONCEPTS TEMPLATE 09-16-2015.GDT 2/22/17

APPROVED BY VRE	REV.NO.	DATE	BY	APP BY	DESCRIPTION
	0	08/14/2020			INVITATION FOR BID
APPROVED BY COUNTY					

DESIGNED BY:
K.M.H.
DRAWN BY:
D.C.S.
CHECKED BY:
P.S.O.
DATE:
08-14-2020



ROLLING ROAD STATION
IMPROVEMENTS

BORING LOGS I

IFB NO:	021-005
DRAWING NO:	S-303
SCALE:	AS NOTED
SHEET NO:	30 OF 51



19955 Highland Vista Dr., #170
Ashburn, Virginia 20147
703-726-8030
703-726-8032 fax

PROJECT:		LOGGED BY:		BORING NUMBER:					
VRE Rolling Road Station Platform Extension		K. Hayes		B-2					
LOCATION:		DRILLING CONTRACTOR:		SHEET 2 OF 2					
9016 Burke Road, Burke, Virginia		Connelly & Associates Inc.							
ELEV. (ft.)	DEPTH (ft.)	SAMPLE TYPE	STRATUM	GRAPHIC	MATERIAL DESCRIPTION	SPT BLOW COUNTS	REC (in)	STANDARD PENETRATION TEST RESISTANCE (BPF)	MC (%)
267.9	30		B		Residual, brown dark gray, fine to medium, silty SAND, micaceous, dense, moist, SM (continued) White gray, very dense	17+24+33	18		
262.9	35				Weathered rock, brown dark gray, fine to medium, silty SAND, micaceous, very dense, moist, SM	27+49+50/4	16		>>
257.9	40		C		Light gray, dense	17+15+24	16		
252.9	45				Very dense	50/4	4		>>
246.4	50				Bottom of Boring at 50.0 ft.	50/4	4		>>
GROUND WATER LEVELS:						SAMPLE TYPES:			
ENCOUNTERED: 23.0 ft. ELEV. 273.4									
UPON COMPLETION: 25.0 ft. ELEV. 271.4									
12/7/1980 17.4 ft. ELEV. 279.0						CAVED: 40.0 ft. ELEV. 256.4			
REMARKS:									

THE STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARIES. THE TRANSITION MAY BE GRADUAL.



19955 Highland Vista Dr., #170
Ashburn, Virginia 20147
703-726-8030
703-726-8032 fax

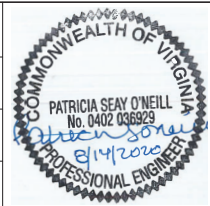
PROJECT:		LOGGED BY:		BORING NUMBER:					
VRE Rolling Road Station Platform Extension		K. Hayes		B-3					
LOCATION:		DRILLING CONTRACTOR:		SHEET 1 OF 1					
9016 Burke Road, Burke, Virginia		Connelly & Associates Inc.							
OWNER/CLIENT:		DRILLER:		DATES DRILLED:					
Dewberry		C. Gudiel		12/7/16 - 12/7/16					
PROJECT NUMBER:		GROUND SURFACE ELEVATION (ft.):		DRILL METHOD:					
16045		293.3		Automatic hammer 3.25"					
ELEV. (ft.)	DEPTH (ft.)	SAMPLE TYPE	STRATUM	GRAPHIC	MATERIAL DESCRIPTION	SPT BLOW COUNTS	REC (in)	STANDARD PENETRATION TEST RESISTANCE (BPF)	MC (%)
293.3 293.0 293.0 291.8 291.3			A		Topsoil = 3.96 in. Fill, red brown, fine, SANDY ELASTIC SILT, firm, moist, MH	5+4+3+4	21		26.0
					Residual, brown, fine, SILTY SAND, micaceous, loose, moist, SM	2+3+3+4	16		
	5					3+3+3+4	21		
						2+2+3+4	23		29.3
	10					2+2+2+3	22		
279.8	15		B		Green brown	1+2+2	18		32.2
274.8	20				Light brown orange	2+2+3	18		
269.8	25				Light brown, medium dense	4+5+8	18		
268.3					Bottom of Boring at 25.0 ft.				
GROUND WATER LEVELS:						SAMPLE TYPES:			
NOT ENCOUNTERED DURING DRILLING									
NOT ENCOUNTERED UPON COMPLETION						CAVED: 22.0 ft. ELEV. 271.3			
12/7/2016 14.9 ft. ELEV. 278.4									
REMARKS:									

THE STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARIES. THE TRANSITION MAY BE GRADUAL.

- NOTES:
- FOR LOCATIONS OF BORINGS, SEE SHEET C-201.
 - BORING LOGS WERE PREPARED BY GEOCONCEPTS ENGINEERING, INC., THE GEOTECHNICAL ENGINEER OF RECORD. THE LOGS SHOWN ON THIS DRAWING ARE FOR INFORMATION PURPOSES ONLY.

APPROVED BY VRE	REV.NO.	DATE	BY	APP BY	DESCRIPTION
	0	08/14/2020			INVITATION FOR BID
APPROVED BY COUNTY					








































DESIGNED BY:
K.M.H.
DRAWN BY:
D.C.S.
CHECKED BY:
P.S.O.
DATE:
08-14-2020



ROLLING ROAD STATION
IMPROVEMENTS

BORING LOGS II




IFB NO:	021-005
DRAWING NO:	S-304
SCALE:	AS NOTED
SHEET NO:	31 OF 51

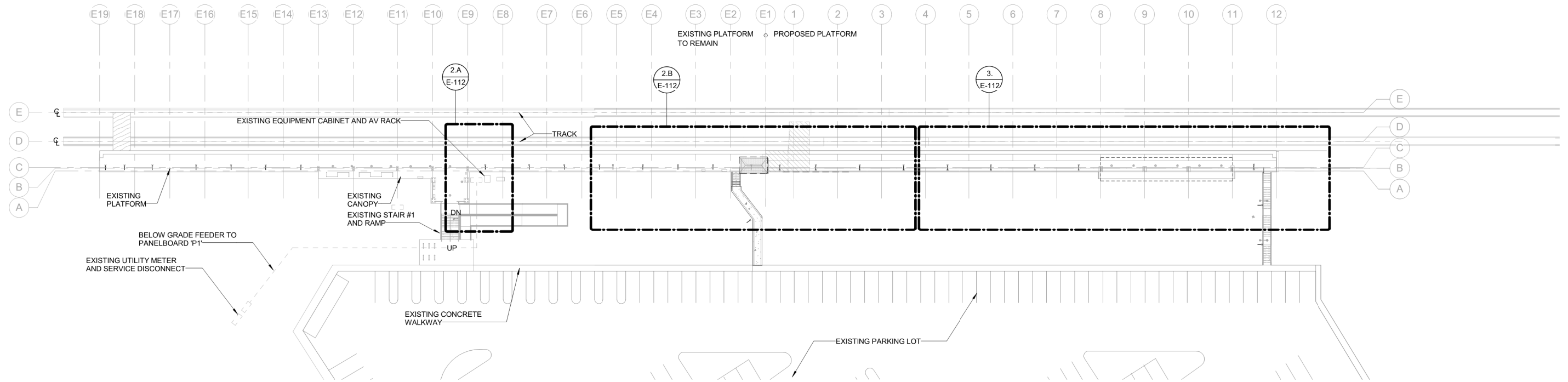
ELECTRICAL SYMBOLS - LIGHTING		ELECTRICAL SYMBOLS - POWER	
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	PENDANT FIXTURE - SIZE AND TYPE AS SHOWN		DUPLEX RECEPTACLE "S" = SECURITY, "C" = SWITCH CONTROLLED "GF" = GROUND FAULT, "U" = USB PORT "IG" = ISOLATED GROUND "WP" = WEATHERPROOF BOX, "AC" = ABOVE COUNTER
	POLE MOUNTED FIXTURE		
	EXIT SIGN - CEILING MOUNTED. SHADED AREAS INDICATE FACES		DUPLEX RECEPTACLE - FLOOR MOUNTED "GF" = GROUND FAULT "IG" = ISOLATED GROUND "WP" = WEATHERPROOF BOX
	EXIT SIGN - WALL MOUNTED. SHADED AREAS INDICATE FACES		
	WALL MOUNTED EMERGENCY FIXTURE		DUPLEX RECEPTACLE - CEILING MOUNTED "GF" = GROUND FAULT "IG" = ISOLATED GROUND "WP" = WEATHERPROOF BOX
	LIGHT SWITCH - SINGLE POLE "D" = DIMMER, "3" = 3-WAY, "K" = KEY OPERATED, "LV" = LOW VOLTAGE, "WP" = WEATHERPROOF		QUADRUPLEX RECEPTACLE "GF" = GROUND FAULT "IG" = ISOLATED GROUND "WP" = WEATHERPROOF BOX
	DAYLIGHTING SENSOR - WALL MOUNTED		QUADRUPLEX RECEPTACLE - FLOOR MOUNTED "GF" = GROUND FAULT "IG" = ISOLATED GROUND "WP" =S WEATHERPROOF BOX
	DAYLIGHTING SENSOR - CEILING MOUNTED		
	POWER PACK FOR OCCUPANCY SENSOR		SIMPLEX RECEPTACLE "GF" = GROUND FAULT "IG" = ISOLATED GROUND "WP" = WEATHERPROOF BOX
	PUSH BUTTON SWITCH		
	COMBINATION EXIT/EMERGENCY LIGHT		SIMPLEX RECEPTACLE - FLOOR MOUNTED "GF" = GROUND FAULT "IG" = ISOLATED GROUND "WP" = WEATHERPROOF BOX
	OCCUPANCY SENSOR - WALL MOUNTED		
	OCCUPANCY SENSOR - CEILING MOUNTED		SPECIAL PURPOSE RECEPTACLE "WP" = WEATHERPROOF BOX
	SWITCHPLATE		
	SITE LIGHT FIXTURE - ARRANGEMENT AS SHOWN ON PLANS		COMBINATION STARTER & DISCONNECT SWITCH
	BOLLARD OR LANDSCAPE LIGHT FIXTURE - TYPE AS NOTED		
	EXTERIOR SPOT/FLOOD LIGHT		DISCONNECT SWITCH - FUSIBLE
	DIGITAL ROOM CONTROLLER		DISCONNECT SWITCH - NON-FUSIBLE
	BI-DIRECTIONAL HORN LOUDSPEAKER, BOGEN BDT30A OR APPROVED EQUAL.		MOTOR
			JUNCTION BOX
			ELECTRICAL HANDHOLE
			FRACTIONAL MOTOR STARTER
			MANUAL MOTOR STARTER
			SURGE PROTECTIVE DEVICE
			240V PANELBOARD - NORMAL BRANCH
			CONTROL RELAY
			MONITORING RELAY
			DOOR HOLDER

ABBREVIATIONS - ELECTRICAL

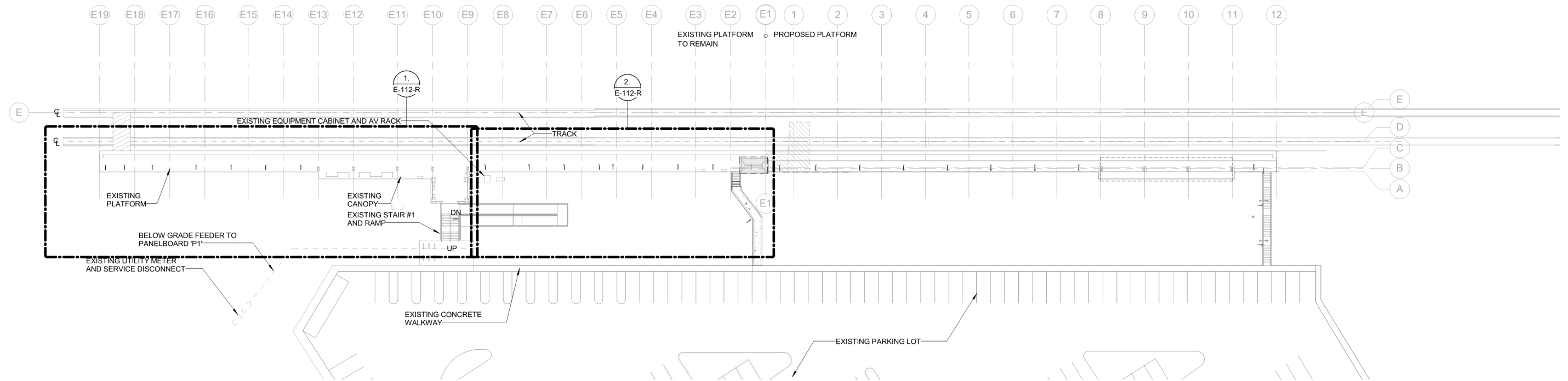
THIS IS A MASTER ABBREVIATIONS LIST. SOME ABBREVIATIONS MAY NOT APPLY TO THIS PROJECT.

A	AMPS
A/V	AUDIO-VISUAL
AC	ABOVE COUNTER
AFF	ABOVE FINISH FLOOR
AFG	ABOVE FINISH GRADE
ALUM	ALUMINUM
AUX CNT	AUXILIARY CONTACTS
C	CONDUIT
CKT	CIRCUIT
CL	CENTERLINE
CLG	CEILING
CNT	CONTACTS
COMB	COMBINATION MOTOR STARTER
CRI	COLOR RENDERING INDEX
DET	DETECTOR
DISC	DISCONNECT
DK	DARK
DN	DOWN
DP	DISTRIBUTION PANEL
DTEN	DETENTION
DWG	DRAWING
E	EXISTING
EA	EACH
EC	ELECTRICAL CONTRACTOR
EM	EMERGENCY
EMT	ELECTRICAL METALLIC TUBING
EQ	EQUIPMENT
FFB	FROM FLOOR BELOW
FGI	GROUND FAULT INTERRUPTOR
FLEX	FLEXIBLE CONDUIT CONNECTION
FS	FLOW SWITCH
FSD	FUSED
FVNR	FULL VOLTAGE NON-REVERSING
GALV	GALVANIZED
GRS	GALVANIZED RIGID STEEL CONDUIT
HID	HIGH INTENSITY DISCHARGE
HL	HORN LIGHT
HOA	HAND OFF AUTO
HORIZ	HORIZONTAL
HT	HEAT
IC	INSULATED CAN
IMC	INTERMEDIATE METALLIC CONDUIT
INCAN	INCANDESCENT
JB	JUNCTION BOX
K	KELVIN
KAIC	KILA-AMPERES INTERRUPTING CAPACITY
LED	LIGHT EMITTING DIODE
LFMC	LIQUID TIGHT FLEXIBLE METAL CONDUIT
LP	LIGHTING PANEL
LT	LIQUID TIGHT
LTG	LIGHTING
LVRC	LOW VOLTAGE RELAY CABINET
MAN	MANUAL
MANUF	MANUFACTURER
MATL	MATERIAL
MCB	MAIN CIRCUIT BREAKER
MDP	MAIN DISTRIBUTION PANEL
N.C.	NORMALLY CLOSED
N.O.	NORMALLY OPEN
N/A	NOT APPLICABLE
NIC	NOT IN CONTRACT
NL	NIGHT LIGHTING
NO	NUMBER
O.L.	OVERALL LENGTH
ORIENT	ORIENTATION
PB	PULL BOX
PH	PHASE
POS	POSITION
PP	POWER PANEL
PS	PRESSURE SWITCH
PVC	POLYVINYL CHLORIDE
QUAN	QUANTITY
R	REMOVE
RECP	RECEPTACLE
RP	RECEPTACLE PANEL
RR	REMOVE AND RELOCATE
SCC	SHORT CIRCUIT CAPACITY
SMK	SMOKE
SPEC	SPECIFICATION
SSU	SWITCH & FUSE UNIT (BUSS)
SUP	SUPERVISOR SWITCH
TFA	TO FLOOR ABOVE
TTB	TELEPHONE TERMINAL BOARD
TTC	TELEPHONE TERMINAL CABINET
TVM	TICKET VENDING MACHINE
V	VOLTS
VA	VOLT-AMPS
VERT	VERTICAL
VMS	VARIABLE MESSAGE SIGN
W	WATTS
WG	WIRE GUARD
WP	WEATHER PROOF

	APPROVED BY VRE	REV NO.	DATE	BY	APP BY	DESCRIPTION	DESIGNED BY: DRW			 Dewberry Dewberry Engineers Inc. <small>8401 ARLINGTON BLVE. FAIRFAX, VA 22031 703.849.0100 (PHONE) 703.849.0518 (FAX)</small>	ROLLING ROAD STATION IMPROVEMENTS		IFB NO: 021-005
		0	08/14/2020			INVITATION FOR BID	DRAWN BY: EAH				DRAWING NO. E-001		
	APPROVED BY COUNTY						CHECKED BY RJH				SCALE: AS NOTED		
							DATE 08/14/2020				ELECTRICAL SYMBOLS, ABBREVIATIONS & NOTES		SHEET NO. 32 OF 51



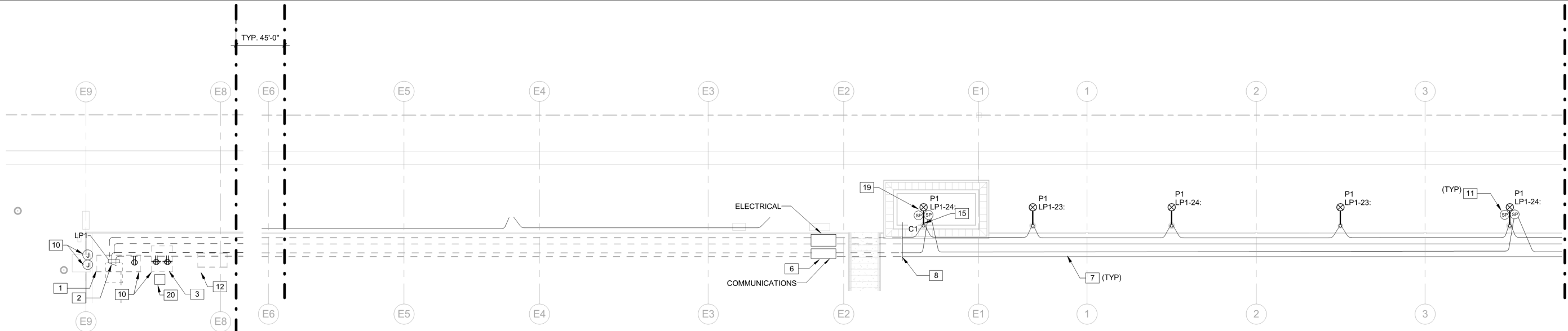
1 ELECTRICAL SITE PLAN
Scale: 1" = 30'-0"



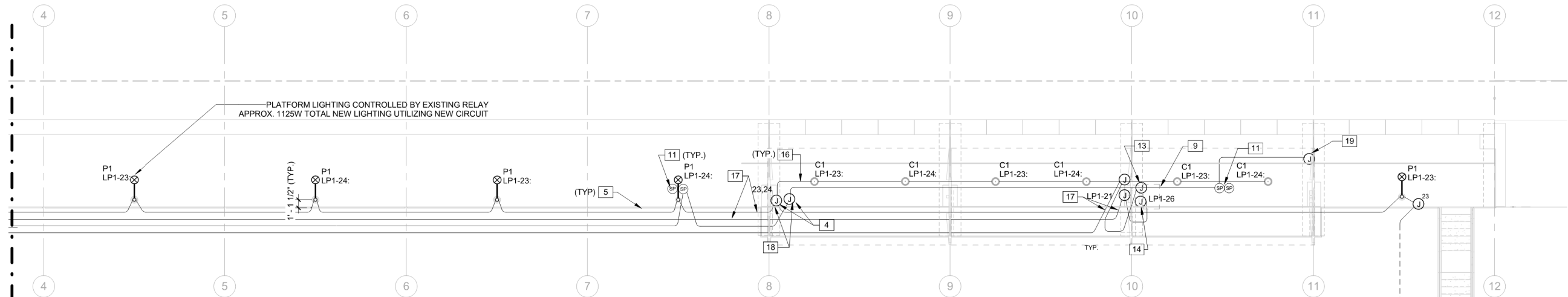
2 ELECTRICAL SITE PLAN - REHABILITATION
Scale: 1" = 30'-0"



	APPROVED BY VRE	REV NO.	DATE	BY	APP BY	DESCRIPTION	DESIGNED BY:				Dewberry Engineers Inc. 8401 ARLINGTON BLVE. FAIRFAX, VA 22031 703.849.0100 (PHONE) 703.849.0518 (FAX)	ROLLING ROAD STATION IMPROVEMENTS		IFB NO:	021-005
		0	08/14/2020			INVITATION FOR BID	DRW							DRAWING NO.	E-111
							EAH					ELECTRICAL SITE PLAN		SCALE:	AS NOTED
	APPROVED BY COUNTY						RJH							SHEET NO.	33 OF 51
							DATE							08/14/2020	



2 POWER - PLATFORM PART A & B
Scale: 1/8" = 1'-0"



3 POWER - PLATFORM PART C
Scale: 1/8" = 1'-0"

GENERAL NOTES:

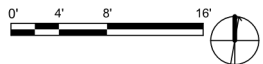
1. COMMUTER ACCESS TO PLATFORM MUST BE MAINTAINED AT ALL TIMES; CONTRACTOR TO PROVIDE TEMPORARY LIGHTING AND POWER AS REQUIRED UNTIL COMPLETION.
2. ALL OTHER PLATFORM, RAMP, STAIRWAY AND CANOPY LIGHTING NOT IN THE CONSTRUCTION AREA SHALL REMAIN IN OPERATION DURING CONSTRUCTION. IF NECESSARY, REVISE EXISTING WIRING TO ACCOMMODATE.
3. ELECTRICAL CONTRACTOR SHALL COORDINATE ALL PENETRATIONS WITH GENERAL CONTRACTOR.
4. CONTRACTOR SHALL COORDINATE ANY ELECTRICAL POWER OUTAGES REQUIRED WITH VRE IN ADVANCE.
5. CONTRACTOR SHALL REUSE EXISTING CONDUIT AND CONDUCTORS EMBEDDED IN SLAB. CONTRACTOR SHALL REPLACE EXPOSED CONDUIT. CONTRACTOR SHALL PROVIDE NEW WIRING FOR ALL DEVICES, FIXTURES, AND EQUIPMENT.
6. MAINTAIN MINIMUM SPACING OF 12" BETWEEN COMMUNICATION AND ELECTRICAL CONDUIT IN SOIL AND MINIMUM SPACING OF 3" IN CONCRETE.
7. CONDUIT ROUTED BELOW GRADE SHALL BE INSTALLED AT A MINIMUM DEPTH OF 24".
8. UPON REMOVAL, LIGHTING FIXTURES AND POLES BECOME PROPERTY OF CONTRACTOR TO BE DISPOSED OF AS NECESSARY OFF-SITE.
9. ALL EQUIPMENT MOUNTING, CONDUIT ROUTING AND SUPPORT, DEVICE MOUNTING, AND GENERAL WORKMANSHIP SHALL COMPLY WITH NECA-1 STANDARD FOR GOOD WORKMANSHIP IN ELECTRICAL CONSTRUCTION.
10. ALL CONDUIT INSTALLED BELOW GRADE AND ATTACHED TO THE UNDERSIDE OF THE PLATFORM SHALL BE SCHEDULE 80 PVC. WHERE CONDUIT RISES ABOVE THE PLATFORM SLAB, CONDUIT SHALL TRANSITION TO GALVANIZED EMT. ALL CONDUIT FITTINGS UTILIZED SHALL BE LISTED FOR WET LOCATIONS. REFER TO DETAIL 02 ON DWG. E-502.
11. MOUNTING HARDWARE FOR CONDUIT SHALL BE GALVANIZED OR STAINLESS AND SHALL REMAIN UNPAINTED. WHERE GALVANIZED MATERIAL IS CUT FOR LENGTH, CONTRACTOR SHALL FIELD APPLY TWO (2) COATS OF COLD GALVANIZED ZINC. CONTRACTOR MAY PROVIDE 304 STAINLESS STEEL OR ALUMINUM CHANNEL AND ATTACHMENT HARDWARE AS AN ALTERNATIVE. LFMC SHALL BE USED WHERE FINAL CONNECTION IS MADE TO SUSPENDED FIXTURES OR EQUIPMENT.

KEYED NOTES

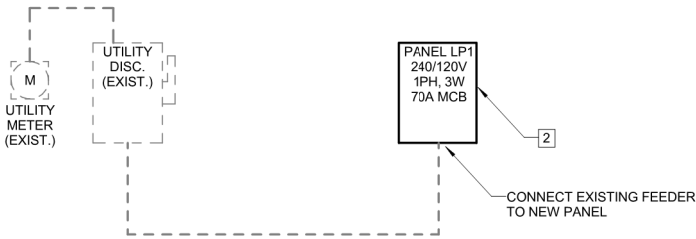
1. EXISTING PHOTOCELL, LIGHTING RELAYS, AND SERVICE RECEPTACLES MOUNTED WITHIN CABINET ON GRADE, TO REMAIN UNLESS OTHERWISE NOTED.
2. REPLACE EXISTING PANELBOARD WITHIN EXISTING CABINET. PROVIDE NEW 42-POLE, 240/120V, 1-PHASE, 3-WIRE PANELBOARD. REFER TO SCHEDULE ON E-601 FOR FURTHER INFORMATION.
3. EXISTING A/V AND COMMUNICATIONS EQUIPMENT RACK MOUNTED ON GRADE.
4. PROVIDE JUNCTION BOX AT UNDERSIDE OF PLATFORM. CONTINUE CONDUIT TO PLATFORM FIXTURES AND TO FIXTURES MOUNTED TO CANOPY ABOVE.
5. ROUTE CONDUIT TIGHT TO STRUCTURAL COLUMN INTO CANOPY AREA.
6. PROVIDE HAND HOLE IN GRADE. ROUTE CONDUITS FROM HAND HOLE TO EXISTING CABINET AND BELOW GRADE TO NEW CANOPY AS INDICATED. SLOPE ALL CONDUIT SUCH THAT WATER MAY NOT COLLECT IN CONDUIT RUNS. REFER TO E-501, DETAIL 04 FOR HAND HOLE DETAIL.
7. BETWEEN FIXTURES, ROUTE ALL NEW CONDUITS TIGHT TO UNDERSIDE OF PLATFORM. PROVIDE WATERTIGHT PENETRATIONS AND CONDUIT SEALS AT ALL VERTICAL PENETRATIONS INTO POLE BASES. SEE DETAIL 02, E-502.
8. CONDUITS FROM HAND HOLE SHALL BE ROUTED BELOW GRADE TO THIS LOCATION. TURN UP AND ROUTE ALONG UNDERSIDE OF PLATFORM.
9. NEW VMS SIGNAGE MOUNTED TO CANOPY. PROVIDE (2) JUNCTION BOXES; (1) EACH FOR POWER AND COMMUNICATIONS SERVICES AT SIGNAGE. ROUTE CONDUIT TIGHT TO STRUCTURE VERTICALLY AND HORIZONTALLY. COORDINATE EXACT LOCATION WITH OWNER CONSTRUCTION MANAGER IN FIELD. BOTTOM EDGE OF VMS SHALL BE AT 8'-0" A.F.F. REFER TO DETAIL 01, E-502. VMS EQUIPMENT FURNISHED BY OWNER.
10. EXISTING EQUIPMENT TO REMAIN.
11. PROVIDE BI-DIRECTIONAL HORN LOUDSPEAKER, BOGEN BDT30A OR APPROVED EQUAL. ALL CONDUCTORS SHALL HAVE INSULATION RATED FOR 600V.

KEYED NOTES

12. EXISTING EQUIPMENT; OPERATED BY COX COMMUNICATIONS. SCHEDULE OUTAGES WITH OPERATOR PRIOR TO DE-ENERGIZING ANY EQUIPMENT.
13. PROVIDE JBOX MOUNTED BELOW SLAB FOR TVM. PROVIDE NEW WET-LISTED TYPE 'SO' OR SIMILAR INTERCONNECTION. MACHINE PROVIDED BY OTHERS.
14. CONDUIT SHALL PENETRATE PLATFORM SLAB FOR TVM POWER AND COMMUNICATIONS SERVICE. SEE DETAIL 03, E-601. TVM SHALL BE INSTALLED BY OWNER. PROVIDE BASE AND ALL REQUIRED CONDUCTORS FOR FINAL TIE-IN BY OWNER. PROVIDE NEW WET-LISTED TYPE 'SO' OR SIMILAR INTERCONNECTION.
15. REMOVE EXISTING LIGHTING FIXTURE, DEVICES, AND CONDUITS MOUNTED TO CANOY. REPAIR ALL PENETRATIONS PER ARCHITECTURAL SPECIFICATIONS.
16. ROUTE CONDUITS ALONG TOP BEAM ONLY. WHERE DEVICES OR EQUIPMENT ARE NOT MOUNTED NEAR THIS BEAM, CONDUIT SHALL ROUTE TIGHTLY ALONG STRUCTURAL MEMBERS.
17. PROVIDE CONDUITS ROUTED ALONG POST TO JUNCTION BOX FOR CONNECTION TO VMS.
18. ROUTE CONDUIT VERTICALLY ADJACENT TO THE STRUCTURAL POSTS. CONDUIT SHALL BE ON THE INSIDE FACE OF EXTERIOR POSTS. CONDUIT SHALL NOT BE INSTALLED ON THE POST FACES FACING THE TRACK BED OR PARKING LOT AT ANY LOCATION. SEE DETAIL 01, E-502.
19. SECURITY CAMERA LOCATION. CAMERA PROVIDED BY OWNER. CONTRACTOR SHALL PROVIDE CONDUIT TO CAMERA LOCATION. COORDINATE LOCATION WITH OWNER CONSTRUCTION MANAGER IN FIELD. PROVIDE 'BULLET CAMERA JUNCTION BOX H4-B0-JBOX1" AS BASIS OF DESIGN COORDINATE BOX WITH OWNER AT THE TIME OF INSTALL.
20. PROVIDE NEW 4'-4" BY 6'-0" CONCRETE PAD FOR NEW COMMUNICATIONS CABINET. PROVIDE 1-1/2" CONDUIT FROM ADJACENT ELECTRICAL PANEL, ROUTED BELOW GRADE TO CABINET. PROVIDE (2) 1-1/2" CONDUIT ROUTED BELOW GRADE TO ADJACENT EXISTING COMMUNICATIONS HAND HOLE. INSTALL OWNER-FURNISHED COMMUNICATIONS CABINET ATOP PAD.

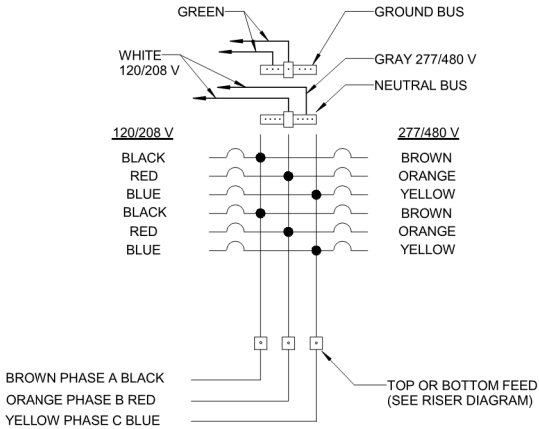


	APPROVED BY VRE	REV NO.	DATE	BY	APP BY	DESCRIPTION	DESIGNED BY: DRW				ROLLING ROAD STATION IMPROVEMENTS	IFB NO: 021-005
		0	08/14/2020			INVITATION FOR BID	DRAWN BY: EAH					DRAWING NO. E-112
	APPROVED BY COUNTY						CHECKED BY RJH					SCALE: AS NOTED
							DATE 08/14/2020					SHEET NO. 34 OF 51



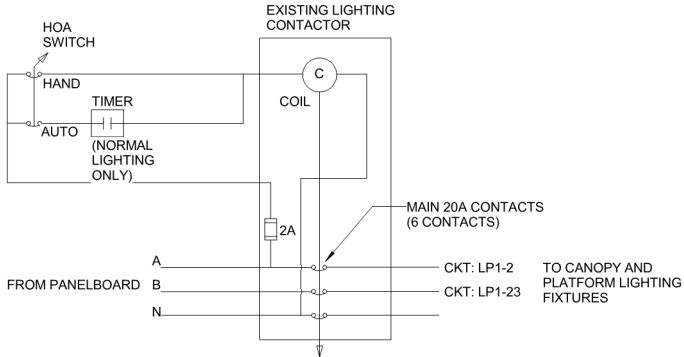
1 ELECTRICAL ONE LINE DIAGRAM

- Scale: N.T.S.
- DETAIL NOTES:
- EXISTING WORK SHOWN AS DASHED. NEW WORK SHOWN AS SOLID.
 - REPLACE EXISTING PANELBOARD WITHIN EXISTING TO REMAIN CABINET. PROVIDE NEW 42-POLE, 240/120V, 1-PHASE, 3-WIRE PANELBOARD.



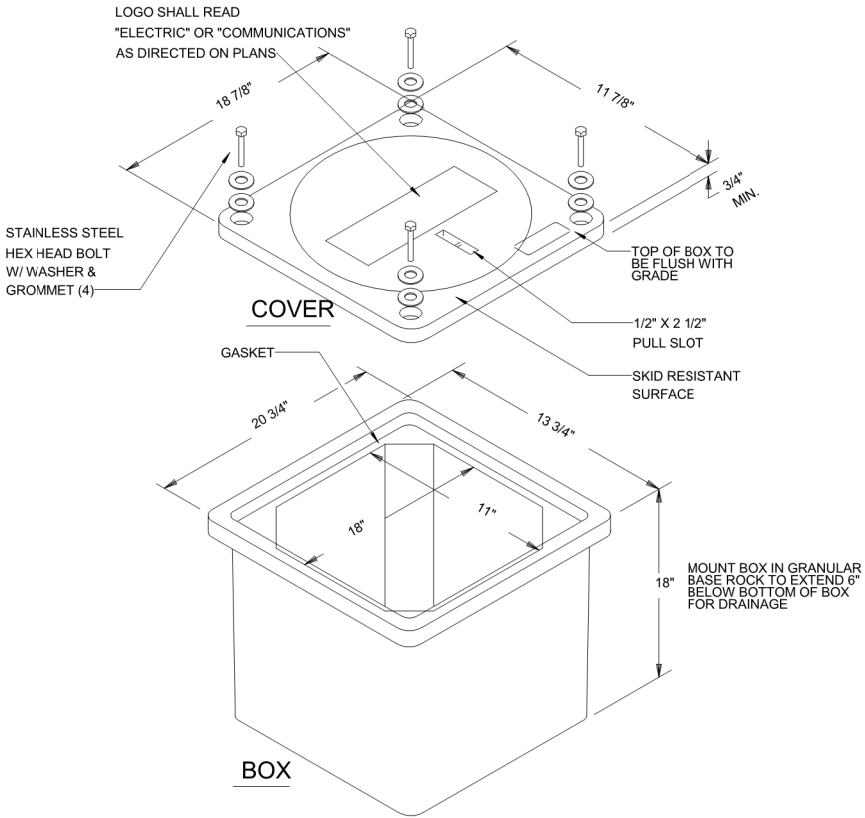
2 WIRING COLOR CODING

- Scale: N.T.S.
- DETAIL NOTES:
- CONTRACTOR TO VERIFY PANEL DIMENSIONS TO FIT WITHIN EXISTING ENCLOSURE.



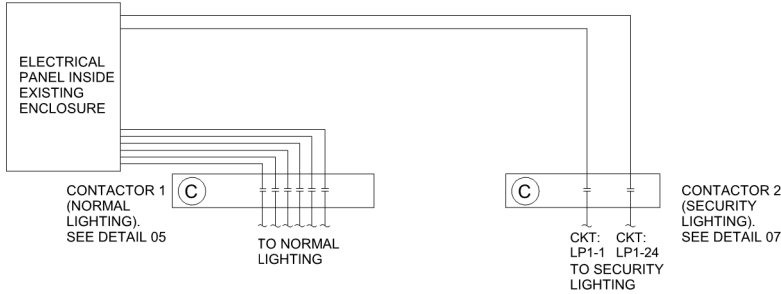
5 NORMAL LIGHTING CONTROL WIRING DIAGRAM

- Scale: N.T.S.
- DETAIL NOTES:
- ALL EXISTING DEVICES. PROVIDE CIRCUITS AS INDICATED ON PLAN.



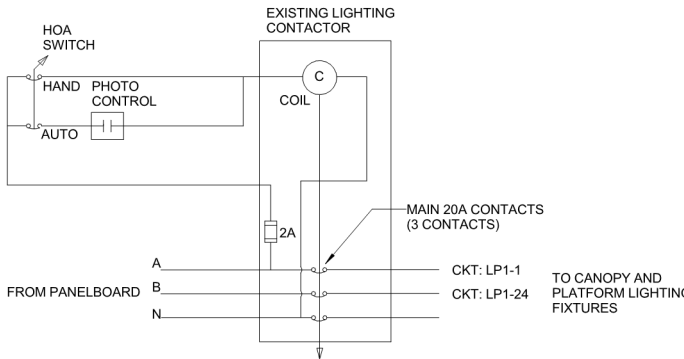
4 POLYCRETE HANDHOLE DETAIL

- Scale: N.T.S.
- DETAIL NOTES:
- DIMENSIONS INDICATED ARE NOMINAL. COORDINATE BOX INSTALLED WITH FIELD CONDITIONS AND NUMBER OF PENETRATIONS IN EACH FACE.
 - ALL CONDUCTORS ROUTED THROUGH THE SAME BOX SHALL BE PROVIDED WITH 600V RATED INSULATION, INCLUSIVE OF ALL COMMUNICATIONS OR CLASS 2 WIRING.



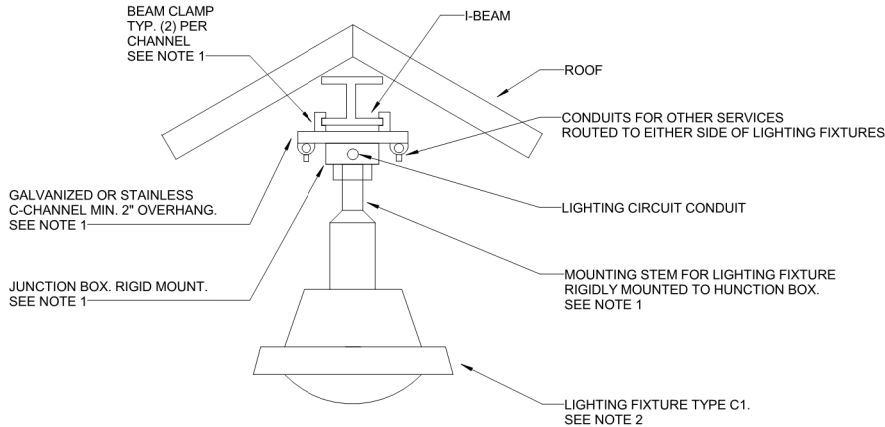
6 LIGHTING CONTACTOR WIRING DIAGRAM

- Scale: N.T.S.
- DETAIL NOTES:
- ALL EXISTING DEVICES. PROVIDE CIRCUITS AS INDICATED ON PLAN.



7 SECURITY LIGHTING CONTROL WIRING DIAGRAM

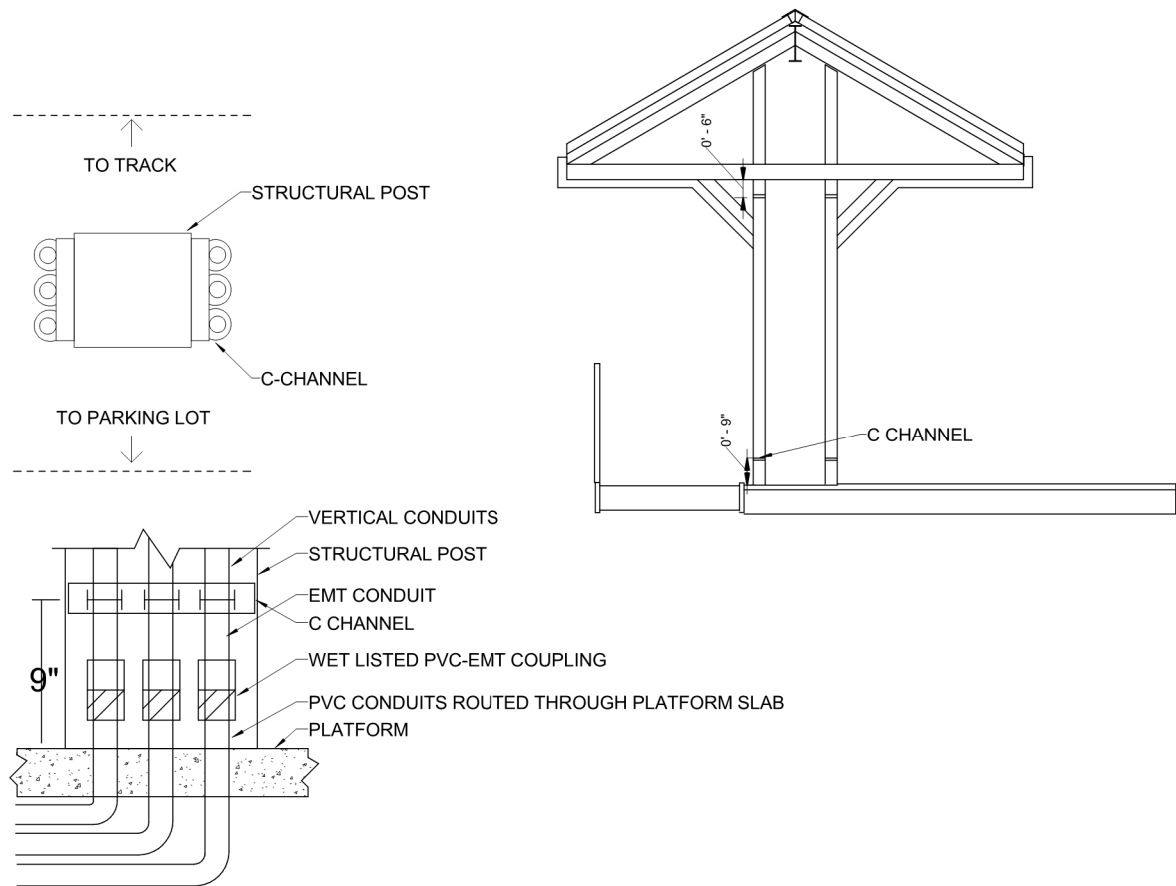
- Scale: N.T.S.
- DETAIL NOTES:
- ALL EXISTING DEVICES. PROVIDE CIRCUITS AS INDICATED ON PLAN.



3 PENDANT MOUNTED INDUSTRIAL FIXTURE MOUNTING DETAIL

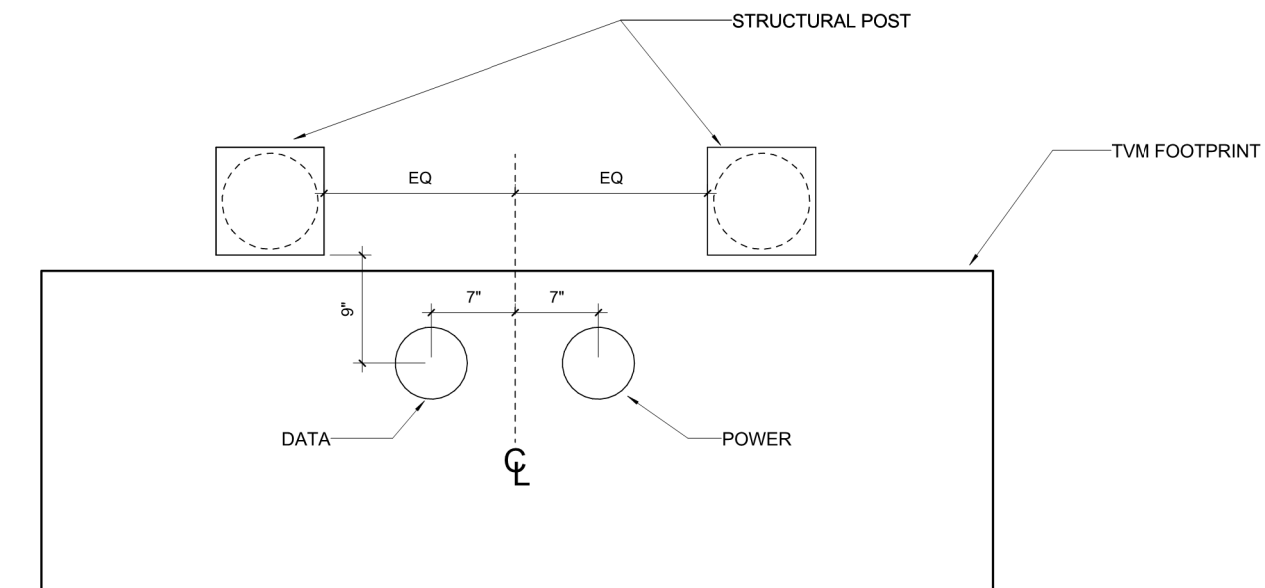
- Scale: N.T.S.
- DETAIL NOTES:
- ALL MOUNTING HARDWARE SHALL BE LISTED FOR USE AS INDICATED AND RATED FOR 2.5 TIMES THE CALCULATED SUPPORTED LOADING. PROVIDE CUTSHEETS OR CALCULATIONS FOR REVIEW.
 - FIXTURE SHALL BE INSTALLED CENTERED ON BEAM ABOVE.

	APPROVED BY VRE	REV NO.	DATE	BY	APP BY	DESCRIPTION	DESIGNED BY:				8401 ARLINGTON BLVE. FAIRFAX, VA 22031 703.849.0100 (PHONE) 703.849.0518 (FAX)	ROLLING ROAD STATION IMPROVEMENTS	IFB NO:	021-005
		0	08/14/2020			INVITATION FOR BID	DRW						DRAWING NO.	E-501
							EAH						SCALE:	AS NOTED
	APPROVED BY COUNTY						CHECKED BY						SHEET NO.	35 OF 51
							DATE							



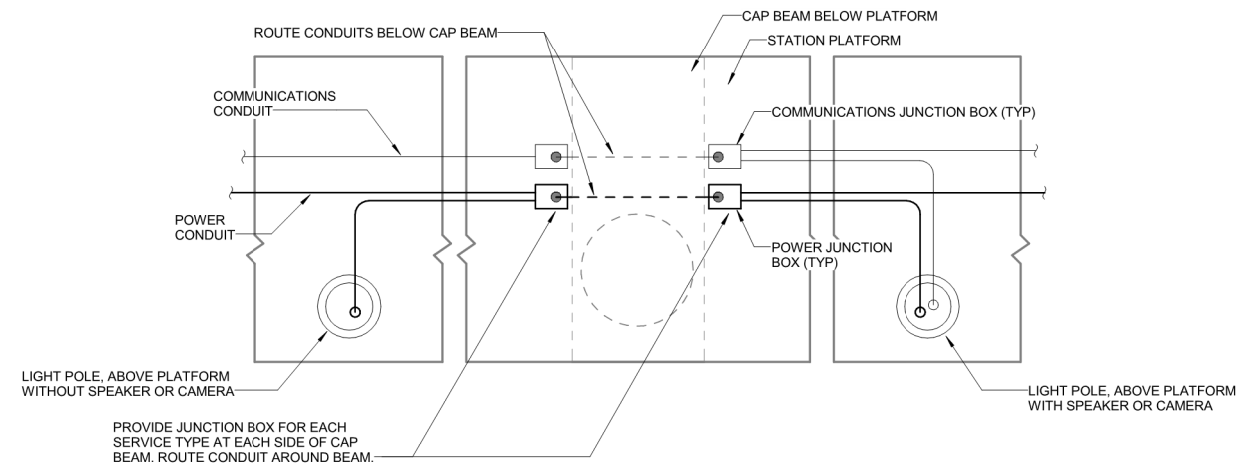
1 VERTICAL CONDUIT ROUTING DETAIL

Scale: N.T.S.

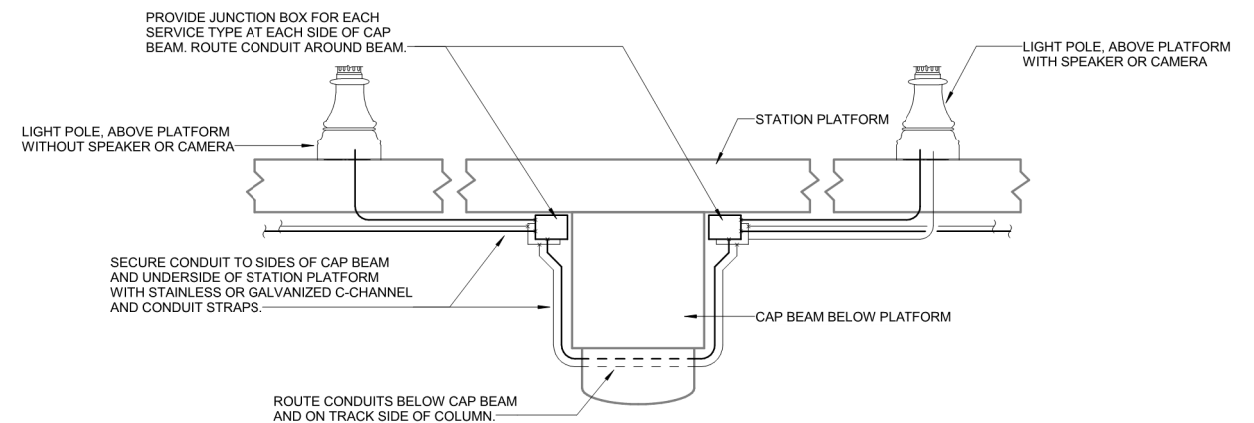


3 TVM DETAIL

Scale: N.T.S.



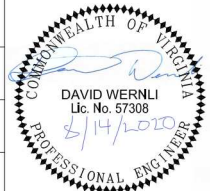


DIAGRAMMATIC PLAN VIEW



DIAGRAMMATIC ELEVATION

2 PLATFORM CONDUIT ROUTING DETAIL N.T.S

Scale: N.T.S.

	APPROVED BY VRE	REV NO.	DATE	BY	APP BY	DESCRIPTION	DESIGNED BY:	  	ROLLING ROAD STATION IMPROVEMENTS ELECTRICAL DETAILS	IFB NO:
		0	08/14/2020			INVITATION FOR BID	DRW			021-005
							DRAWN BY:			DRAWING NO.
							EAH			E-502
	APPROVED BY COUNTY						CHECKED BY:			SCALE:
							RJH			AS NOTED
							DATE			SHEET NO.
							08/14/2020			36 OF 51

Panel: LP1

Location:

Supply From:

Mounting: Surface

Enclosure: Type 1

Volts: 120/240 Single

Phases: 1

Wires: 3

A.I.C. Rating: 10KAIC

Mains Type: MCB

Mains Rating: 100 A

MCB Rating: 70A

Notes:

WIRE SIZE FOR ALL NEW RUNS SHALL BE #10. WHERE CONDUIT SIZE FOR CIRCUIT IS NOT INDICATED THE #10 WIRING SHALL BE IN 3/4" CONDUIT.

§ Indicates existing load recircuited to new panelboard

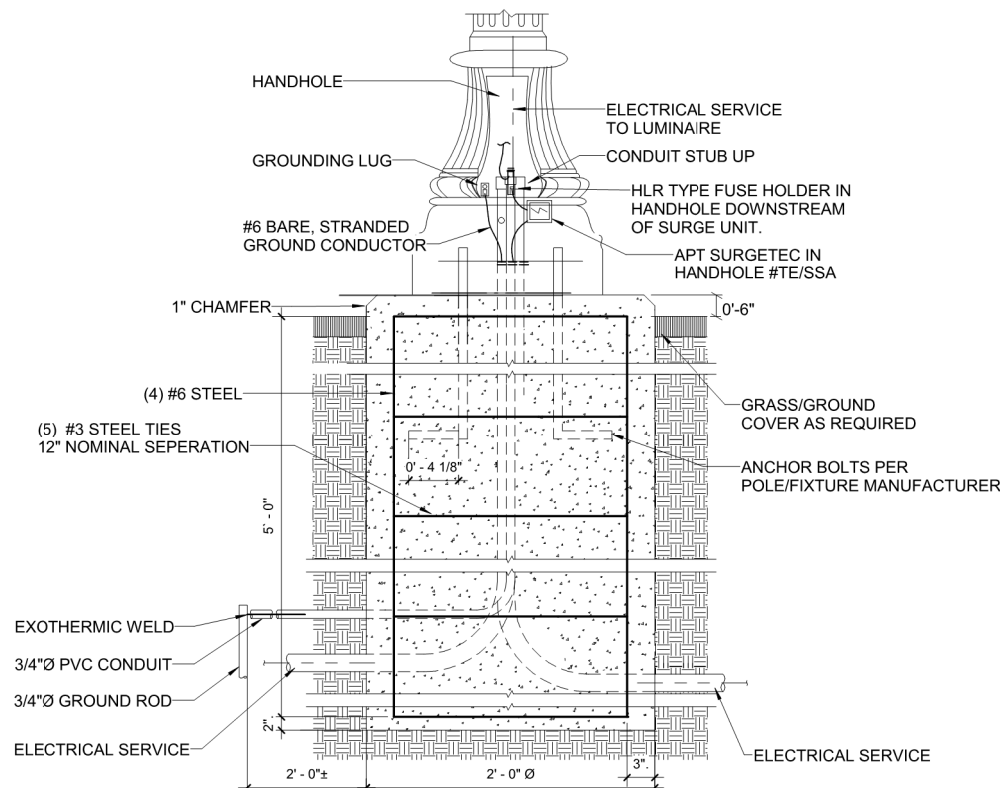
CKT	Circuit Description	Trip	*	Pole	A		B		Pole	*	Trip	Circuit Description	CKT
1	Lighting - S.PLATFORM SECURITY	20 A	§	1	500	500			1	§	20 A	Lighting - S.PLATFORM	2
3	SPARE	20 A		1			500	500	1		20 A	SPARE	4
5	SPARE	20 A		1	500	500			1	§	20 A	Power - PAYPHONE TDD	6
7	SPARE	20 A		1			500	500	1	§	20 A	Power - CONTACTOR CONTROL	8
9	Receptacle - CABINET	20 A	§	1	500	500			1	§	20 A	Receptacle - TVM	10
11	Receptacle - VAL	20 A	§	1			500	500	1	§	20 A	Receptacle - TVM	12
13	Receptacle - VAL (OFF)	20 A	§	1	0	500			1	§	20 A	Receptacle - TVM	14
15	Receptacle - TICKET / VAL	20 A	§	1			500	250	2	§	20 A	POWER - VMS	16
17	Power	20 A	§	1	500	250			--	--	--	--	18
19	SPARE	20 A	--	1			0	500	1	§	20 A	Power - UNKNOWN EXISTING	20
21	SIGNAGE (VMS) - PLATFORM	20 A		1	500	500			1	§	20 A	Power - UNKNOWN EXISTING	22
23	Lighting - PLATFORM	20 A		1			1219	586	1		20 A	Lighting - PLATFORM SECURITY	24
25	SPACE	--	--	--	0	500			1		20 A	Receptacle - TVM	26
27	SPACE	--	--	--			0	360	1		20 A	COX CABINET	28
29	SPACE	--	--	--	0	360			1		20 A	COX CABINET	30
31	SPACE	--	--	--			0	0	--	--	--	SPACE	32
33	SPACE	--	--	--	0	0			--	--	--	SPACE	34
35	SPACE	--	--	--			0	0	--	--	--	SPACE	36
37	SPACE	--	--	--	0	0			--	--	--	SPACE	38
39	SPACE	--	--	--			0	0	--	--	--	SPACE	40
41	SPACE	--	--	--	0	0			--	--	--	SPACE	42
Total Load:					6110		6415 VA						
Total Amps:					51		53 A						

Legend:

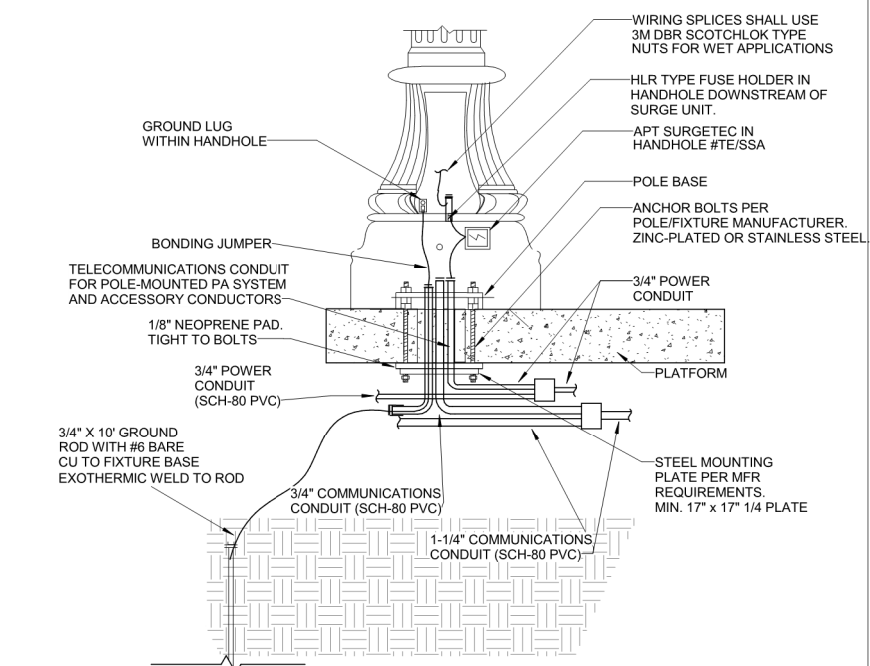
* Indicates Breaker Type: 1=Standard, 2=HACR (HVAC Rated), 3=6MA GFCI, 4=30MA GFCI, 5=Shunt Trip, 6=HID Rated, 7=AFCI

** See Specifications for Panel Type

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Lighting	3900 VA	125.00%	4875 VA		
Other	450 VA	70.00%	315 VA	Total Conn. Load:	12570 VA
Power	4500 VA	100.00%	4500 VA	Total Est. Demand:	13410 VA
Receptacle	3720 VA	100.00%	3720 VA	Total Conn.:	52 A
				Total Est. Demand:	56 A

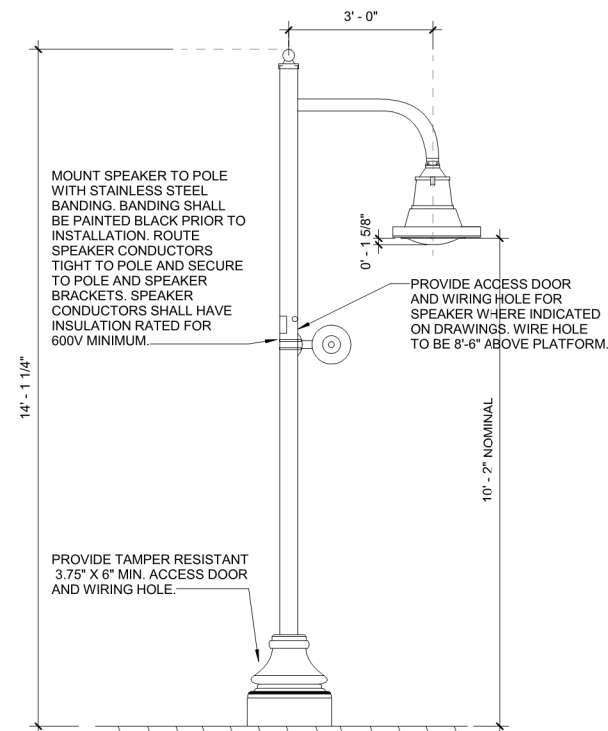


1 LIGHTING POLE BASE DETAIL - GRADE



2 LIGHTING POLE BASE DETAIL - PLATFORM

2. ALL CONDUCTORS ROUTED THROUGH POLE SHALL BE PROVIDED WITH INSULATION RATED 600V, MINIMUM, INCLUSIVE OF ALL COMMUNICATIONS AND CLASS 2 WIRING.

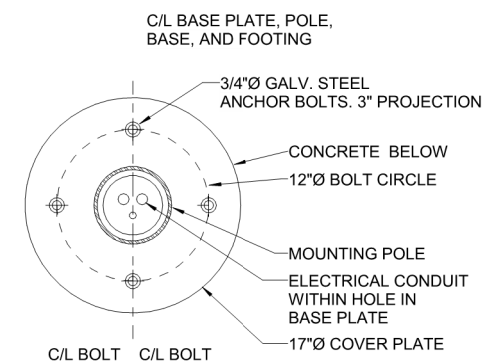


3 POLE MOUNTED LIGHTING FIXTURE P1 TYPICAL DETAIL

Scale: N.T.S.




DETAIL NOTES:

1. PAINT: TEXTURE CHICAGO BRONZE.
2. CONTRACTOR SHALL SEAL ALL PENETRATIONS WATER-TIGHT



4 LIGHTING POLE ANCHOR BOLT DETAIL

2-ELECTRICAL LUMINAIRE SCHEDULE							
Type Mark	Description	Manufacturer	Model	Lamp Type	Apparent Load	Voltage	Comments
C1	FULL CUTOFF PENDANT MOUNTED CANOPY LIGHT	KING LUMINAIRE	K705-P4SA-III-75-(SSL)-7030-120V-KPL10	INTEGRATED LED, 3000K	75 VA	120 V	LIGHTING FIXTURE AND POLE SHALL MEET TITLE 49 'BUY AMERICAN' REQUIREMENTS.
P1	FULL CUTOFF POLE-MOUNTED PLATFORM LIGHT	KING LUMINAIRE	K705-P4SA-III-75-(SSL)-7030-120V-KPL10 , POLE: KING LUMINAIRE KM10RE-11	INTEGRATED LED, 3000K	75 VA	120 V	LIGHTING FIXTURE AND POLE SHALL MEET TITLE 49 'BUY AMERICAN' REQUIREMENTS.

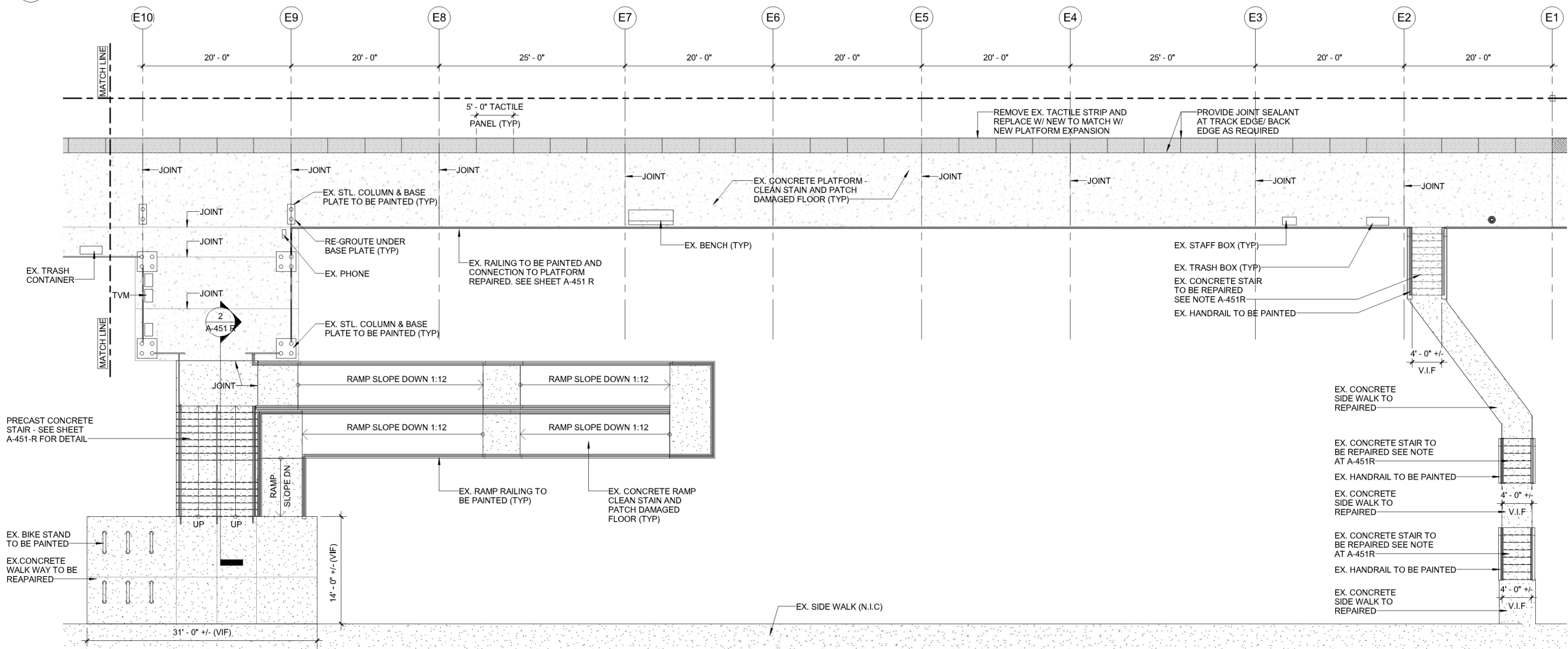
	APPROVED BY VRE	REV NO.	DATE	BY	APP BY	DESCRIPTION	DESIGNED BY: DRW	   <p>Dewberry Engineers Inc. 8401 ARLINGTON BLVE. FAIRFAX, VA 22031 703.849.0100 (PHONE) 703.849.0518 (FAX)</p>	<div>ROLLING ROAD STATION IMPROVEMENTS</div> <div>ELECTRICAL SCHEDULES</div>	IFB NO:	021-005
		0	08/14/2020			INVITATION FOR BID	DRAWN BY: EAH			DRAWING NO.	E-601
	APPROVED BY COUNTY						CHECKED BY RJH			SCALE:	AS NOTED
							DATE 08/14/2020			SHEET NO.	37 OF 51

GENERAL NOTES

1. CONTRACTOR TO MAINTAIN THE MINIMUM HORIZONTAL CLEARANCES SHOWN DURING CONSTRUCTION AT ALL PROPOSED WORK LOCATIONS. CONTRACTOR SHALL NOT INTERFERE WITH RAIL OPERATIONS OR UNDERMINE THE EXISTING TRACK INTEGRITY.
2. CONTRACTOR TO VISIT SITE AND VERIFY EXISTING CONDITIONS PRIOR TO BID SUBMISSION. DISCREPANCIES BETWEEN CONSTRUCTION INDICATED ON DRAWINGS AND ACTUAL SITE CONDITIONS SHALL BE BROUGHT TO ARCHITECT'S ATTENTION IMMEDIATELY IN WRITING.
3. ITEMS INDICATED "TO REMAIN" THAT ARE DAMAGED DURING THE PERFORMANCE OF THE DEMOLITION WORK SHALL BE REPORTED TO OWNER'S REPRESENTATIVE IMMEDIATELY, AND SUBMIT A REPAIR SOLUTION TO CONSTRUCTION MANAGER FOR REVIEW.
4. COORDINATE DEMOLITION WORK WITH NEW CONSTRUCTION WORK IN EACH AREA OF DEMOLITION. EXISTING CONSTRUCTION IN AREAS ADJACENT TO DEMOLITION WORK SHALL BE PATCHED AND REPAIRED TO MATCH ORIGINAL EXISTING CONDITION AS REQUIRED TO PROVIDE FOR NEW CONSTRUCTION WORK IN AREA OF DEMOLITION.
5. AT LOCATIONS WHERE A PORTION OF EXISTING CONSTRUCTION IS TO BE REMOVED AND PREPARED FOR NEW INFILL CONSTRUCTION, OR AN OPENING IN A WALL, ROOF, OR FLOOR IS CREATED BY DEMOLITION WORK, CONSTRUCT INFILL WITH SAME MATERIALS AND METHOD OF CONSTRUCTION AS EXISTING ADJACENT CONSTRUCTION, UNLESS NOTED OTHERWISE. SEE ARCHITECTURAL DRAWINGS FOR INFILL CONSTRUCTION. INFILL CONSTRUCTION SHALL SMOOTHLY BUTT ADJACENT SURFACES AND MATCH THE FINISH, U.N.O.
6. AT LOCATIONS WHERE AN ITEM IS TO BE REMOVED FROM A SURFACE THAT IS TO REMAIN, PATCH AND REPAIR EXISTING SURFACE TO MATCH EXISTING ADJACENT SURFACE, UNLESS INDICATED OTHERWISE.
7. EXISTING ITEMS ANCHORED TO CONSTRUCTION THAT ARE INDICATED TO BE DEMOLISHED SHALL BE CONSIDERED A PART OF DEMOLISHED CONSTRUCTION AND SHALL BE DEMOLISHED WITH THE INDICATED CONSTRUCTION, UNLESS NOTED OTHERWISE.
8. IN CONDITIONS WHERE A FLOOR FINISH IS DEMOLISHED CREATING A DISSIMILAR ELEVATION IN ADJACENT FLOOR FINISHES, INSTALL AN APPROVED LEVELING MATERIAL TO BRING LOWER FLOOR FINISH ELEVATION UP TO AN ELEVATION FLUSH WITH ADJACENT FLOOR.
9. CONSTRUCT TEMPORARY DUST PARTITIONS TO CONTAIN DEMOLITION WORK AND PREVENT CONSTRUCTION DUST FROM ENTERING ADJACENT EXISTING CONSTRUCTION. SUBMIT LOCATIONS OF THESE PARTITIONS FOR APPROVAL BY OWNER'S REPRESENTATIVE. PARTITION LOCATIONS SHALL NOT IMPEDE OR HINDER EMERGENCY EGRESS FROM STATION. REFER TO SPECIFICATIONS FOR CONSTRUCTION OF DUST PARTITIONS.
10. IF EXISTING CONSTRUCTION IS REVEALED NOT CONSTRUCTED OR FINISHED IN A MANNER THAT MATCHES ADJACENT SURFACES, PATCH AREA AS NECESSARY WITH APPROPRIATE MATERIALS AND METHODS OF CONSTRUCTION TO MATCH EXISTING ADJACENT FINISH, OR PREPARE SURFACE FOR INSTALLATION OF NEW FINISH. CONTACT OWNER'S REPRESENTATIVE AS SOON AS POSSIBLE SO THAT CONCEALED CONSTRUCTION MAY BE IDENTIFIED AND SCOPE OF POSSIBLE ADDITIONAL WORK DETERMINED.
11. WHEN EXISTING SURFACE IS INDICATED TO BE "PATCHED AND REPAIRED" OR "PREPARED" TO RECEIVE NEW FINISH MATERIAL, PROVIDE A CONSTRUCTION SURFACE THAT IS CAPABLE OF RECEIVING NEW FINISH MATERIAL.

1 PARTIAL PLATFORM PLAN

Scale: 1/8" = 1'-0"

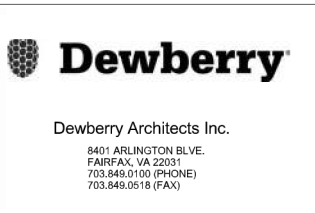


2 PARTIAL PLATFORM PLAN

Scale: 1/8" = 1'-0"

APPROVED BY VRE	REV NO.	DATE	BY	APP BY	DESCRIPTION
	0	08/14/2020			INVITATION FOR BID
APPROVED BY COUNTY					

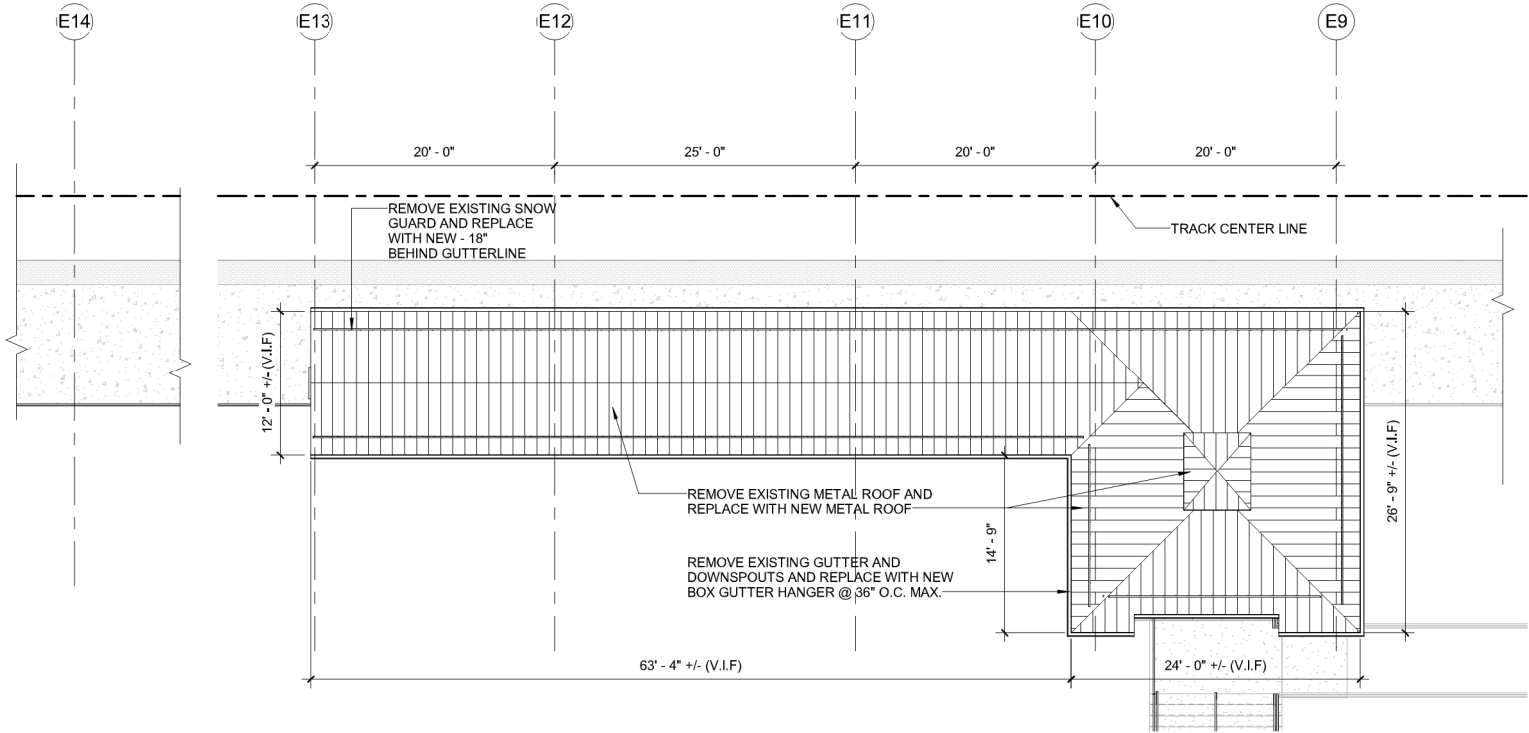
DESIGNED BY:
MD
DRAWN BY:
MD
CHECKED BY:
MS
DATE
08-14-2020



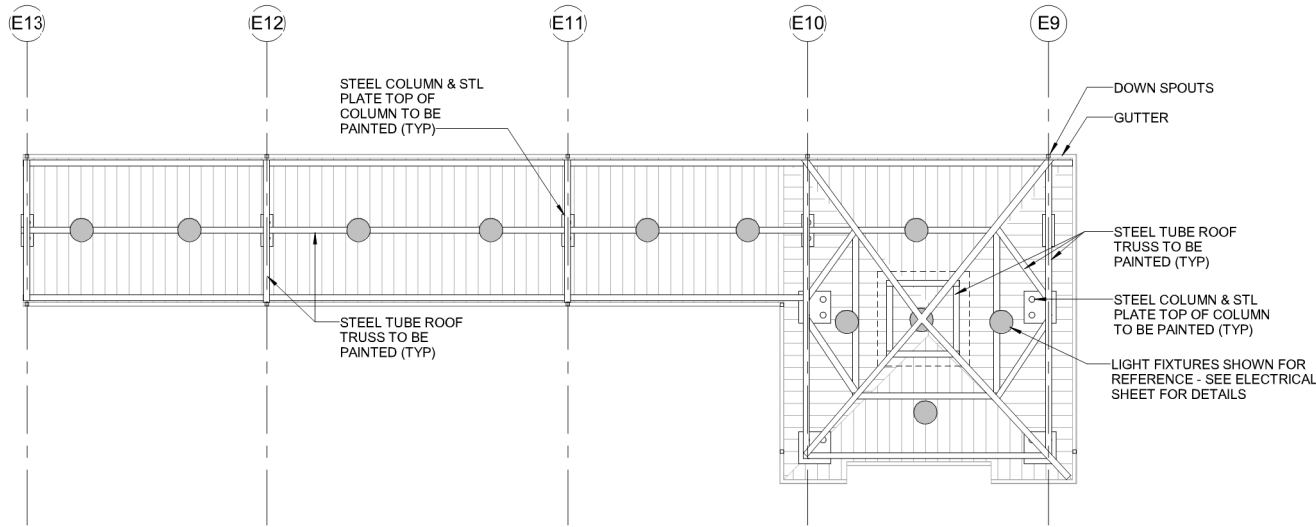
ROLLING ROAD STATION IMPROVEMENTS	IFB NO:	021-005
	DRAWING NO.	A-112 R
	SCALE:	AS NOTED
EXISTING PLATFORM REHABILITATION PLAN	SHEET NO.	38 OF 51

GENERAL NOTES

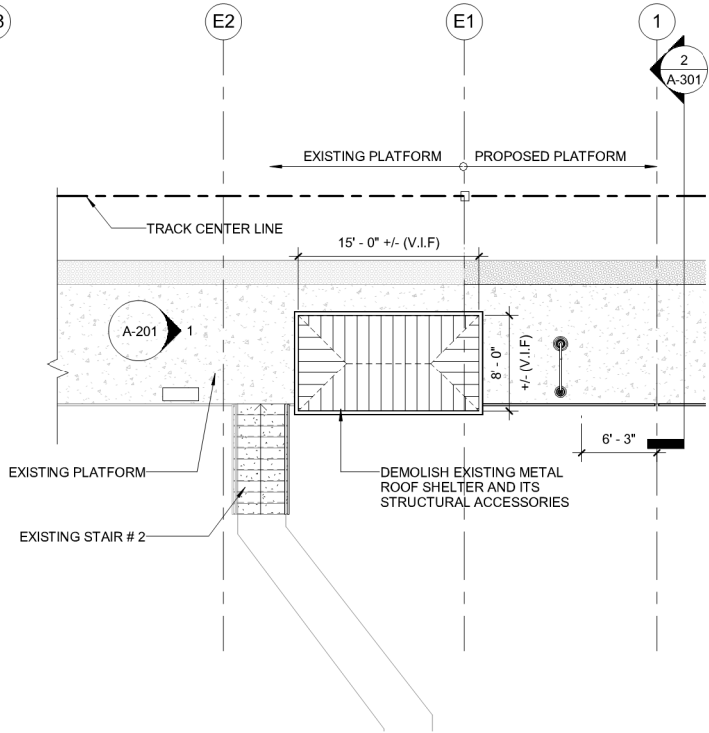
- CONTRACTOR TO MAINTAIN THE MINIMUM HORIZONTAL CLEARANCES SHOWN DURING CONSTRUCTION AT ALL PROPOSED WORK LOCATIONS. CONTRACTOR SHALL NOT INTERFERE WITH RAIL OPERATIONS OR UNDERMINE THE EXISTING TRACK INTEGRITY.
- CONTRACTOR TO VISIT SITE AND VERIFY EXISTING CONDITIONS PRIOR TO BID SUBMISSION. DISCREPANCIES BETWEEN CONSTRUCTION INDICATED ON DRAWINGS AND ACTUAL SITE CONDITIONS SHALL BE BROUGHT TO ARCHITECT'S ATTENTION IMMEDIATELY IN WRITING.
- ITEMS INDICATED "TO REMAIN" THAT ARE DAMAGED DURING THE PERFORMANCE OF THE DEMOLITION WORK SHALL BE REPORTED TO OWNER'S REPRESENTATIVE IMMEDIATELY, AND SUBMIT A REPAIR SOLUTION TO CONSTRUCTION MANAGER FOR REVIEW.
- COORDINATE DEMOLITION WORK WITH NEW CONSTRUCTION WORK IN EACH AREA OF DEMOLITION. EXISTING CONSTRUCTION IN AREAS ADJACENT TO DEMOLITION WORK SHALL BE PATCHED AND REPAIRED TO MATCH ORIGINAL EXISTING CONDITION AS REQUIRED TO PROVIDE FOR NEW CONSTRUCTION WORK IN AREA OF DEMOLITION.
- AT LOCATIONS WHERE A PORTION OF EXISTING CONSTRUCTION IS TO BE REMOVED AND PREPARED FOR NEW INFILL CONSTRUCTION, OR AN OPENING IN A WALL, ROOF, OR FLOOR IS CREATED BY DEMOLITION WORK, CONSTRUCT INFILL WITH SAME MATERIALS AND METHOD OF CONSTRUCTION AS EXISTING ADJACENT CONSTRUCTION, UNLESS NOTED OTHERWISE. SEE ARCHITECTURAL DRAWINGS FOR INFILL CONSTRUCTION. INFILL CONSTRUCTION SHALL SMOOTHLY BUTT ADJACENT SURFACES AND MATCH THE FINISH, U.N.O.
- AT LOCATIONS WHERE AN ITEM IS TO BE REMOVED FROM A SURFACE THAT IS TO REMAIN, PATCH AND REPAIR EXISTING SURFACE TO MATCH EXISTING ADJACENT SURFACE, UNLESS INDICATED OTHERWISE.
- EXISTING ITEMS ANCHORED TO CONSTRUCTION THAT ARE INDICATED TO BE DEMOLISHED SHALL BE CONSIDERED A PART OF DEMOLISHED CONSTRUCTION AND SHALL BE DEMOLISHED WITH THE INDICATED CONSTRUCTION, UNLESS NOTED OTHERWISE.
- IN CONDITIONS WHERE A FLOOR FINISH IS DEMOLISHED CREATING A DISSIMILAR ELEVATION IN ADJACENT FLOOR FINISHES, INSTALL AN APPROVED LEVELING MATERIAL TO BRING LOWER FLOOR FINISH ELEVATION UP TO AN ELEVATION FLUSH WITH ADJACENT FLOOR.
- CONSTRUCT TEMPORARY DUST PARTITIONS TO CONTAIN DEMOLITION WORK AND PREVENT CONSTRUCTION DUST FROM ENTERING ADJACENT EXISTING CONSTRUCTION. SUBMIT LOCATIONS OF THESE PARTITIONS FOR APPROVAL BY OWNER'S REPRESENTATIVE. PARTITION LOCATIONS SHALL NOT IMPEDE OR HINDER EMERGENCY EGRESS FROM STATION. REFER TO SPECIFICATIONS FOR CONSTRUCTION OF DUST PARTITIONS.
- IF EXISTING CONSTRUCTION IS REVEALED NOT CONSTRUCTED OR FINISHED IN A MANNER THAT MATCHES ADJACENT SURFACES, PATCH AREA AS NECESSARY WITH APPROPRIATE MATERIALS AND METHODS OF CONSTRUCTION TO MATCH EXISTING ADJACENT FINISH, OR PREPARE SURFACE FOR INSTALLATION OF NEW FINISH. CONTACT OWNER'S REPRESENTATIVE AS SOON AS POSSIBLE SO THAT CONCEALED CONSTRUCTION MAY BE IDENTIFIED AND SCOPE OF POSSIBLE ADDITIONAL WORK DETERMINED.
- WHEN EXISTING SURFACE IS INDICATED TO BE "PATCHED AND REPAIRED" OR "PREPARED" TO RECEIVE NEW FINISH MATERIAL, PROVIDE A CONSTRUCTION SURFACE THAT IS CAPABLE OF RECEIVING NEW FINISH MATERIAL.



1 EXISTING ROOF PLAN
Scale: 1/8" = 1'-0"



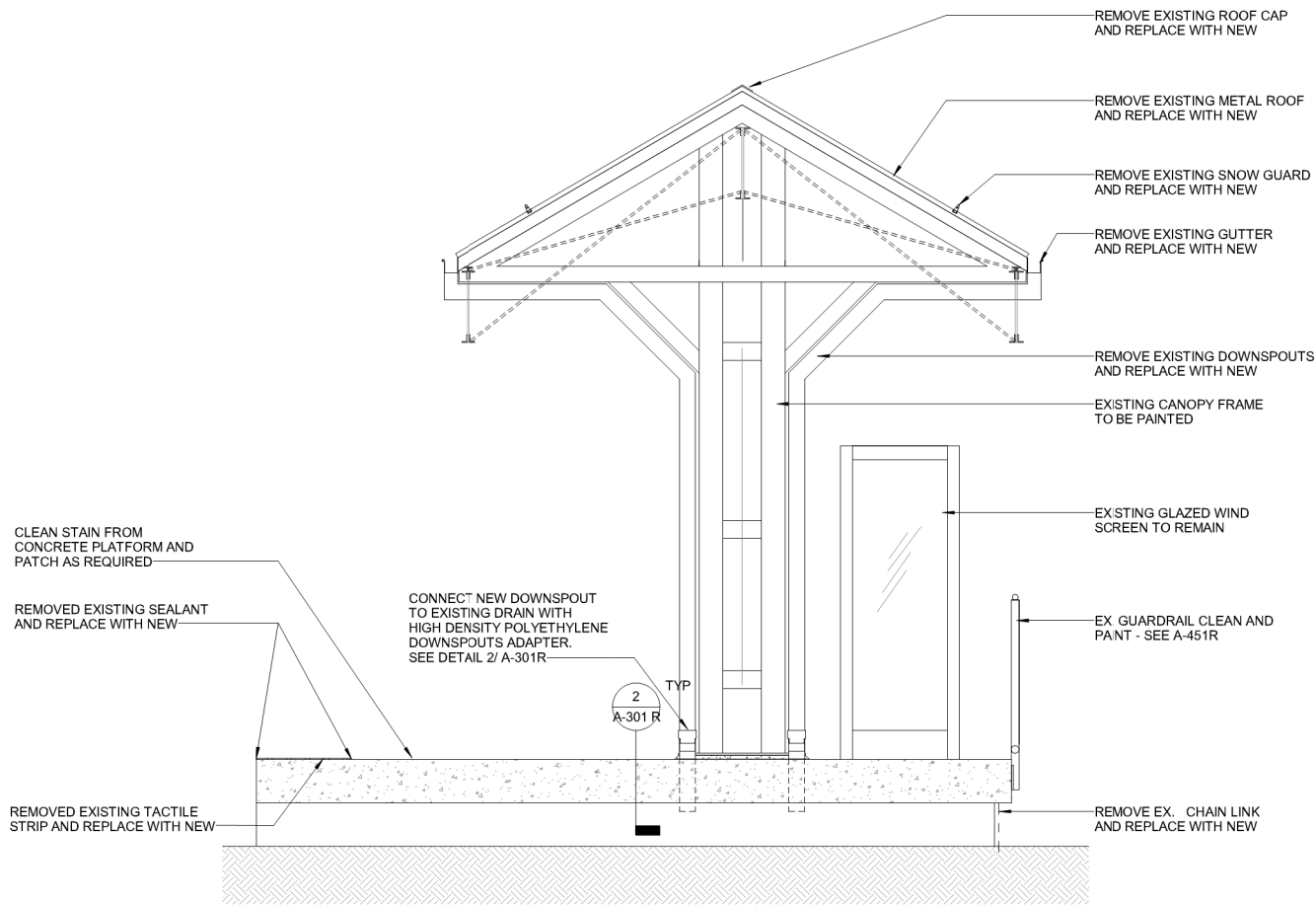
2 EXISTING PLATFORM REFLECTED CEILING PLAN
Scale: 1/8" = 1'-0"



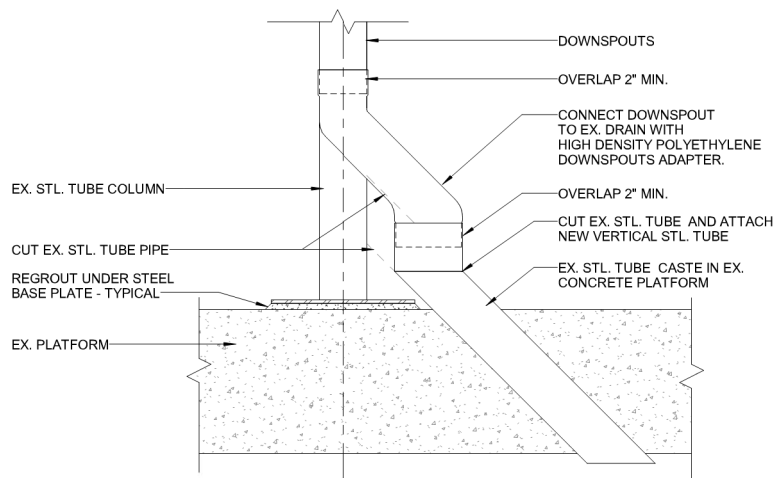
	APPROVED BY VRE	REV NO.	DATE	BY	APP BY	DESCRIPTION	DESIGNED BY: MD				8401 ARLINGTON BLVE. FAIRFAX, VA 22031 703.549.0100 (PHONE) 703.649.0518 (FAX)	ROLLING ROAD STATION IMPROVEMENTS		IFB NO: 021-005
		0	08/14/2020			INVITATION FOR BID	DRAWN BY: MD							DRAWING NO. A-113 R
	APPROVED BY COUNTY						CHECKED BY MS					EXISTING CANOPY ROOF AND REFLECTED CEILING PLAN		SCALE: AS NOTED
							DATE 08-14-2020							SHEET NO. 39 OF 51

GENERAL NOTES




1. CONTRACTOR TO MAINTAIN THE MINIMUM HORIZONTAL CLEARANCES SHOWN DURING CONSTRUCTION AT ALL PROPOSED WORK LOCATIONS. CONTRACTOR SHALL NOT INTERFERE WITH RAIL OPERATIONS OR UNDERMINE THE EXISTING TRACK INTEGRITY.
2. USE ADAPTERS BETWEEN RECTANGULAR DOWN SPOUTS AND CIRCULAR PIPES. THE ADAPTERS SHALL BE FIRMLY FIXED TO THE DOWN SPOUTS WITH MINIMUM OF FOUR SCREWS EACH LOCATION. the ADAPTER SHALL MAKE FULL CONNECTION WITH THE PIPE TO ALLOW FOR COMPLETE TRANSFER OF RUN-OFF FROM DOWNSPOUT.
3. DOWNSPOUTS AND GUTTER TO MATCH CANOPY.



1 EXISTING CANOPY SECTION
Scale: 1/2" = 1'-0"



2 EXISTING DOWNSPOUTS ADAPTER
Scale: 1 1/2" = 1'-0"

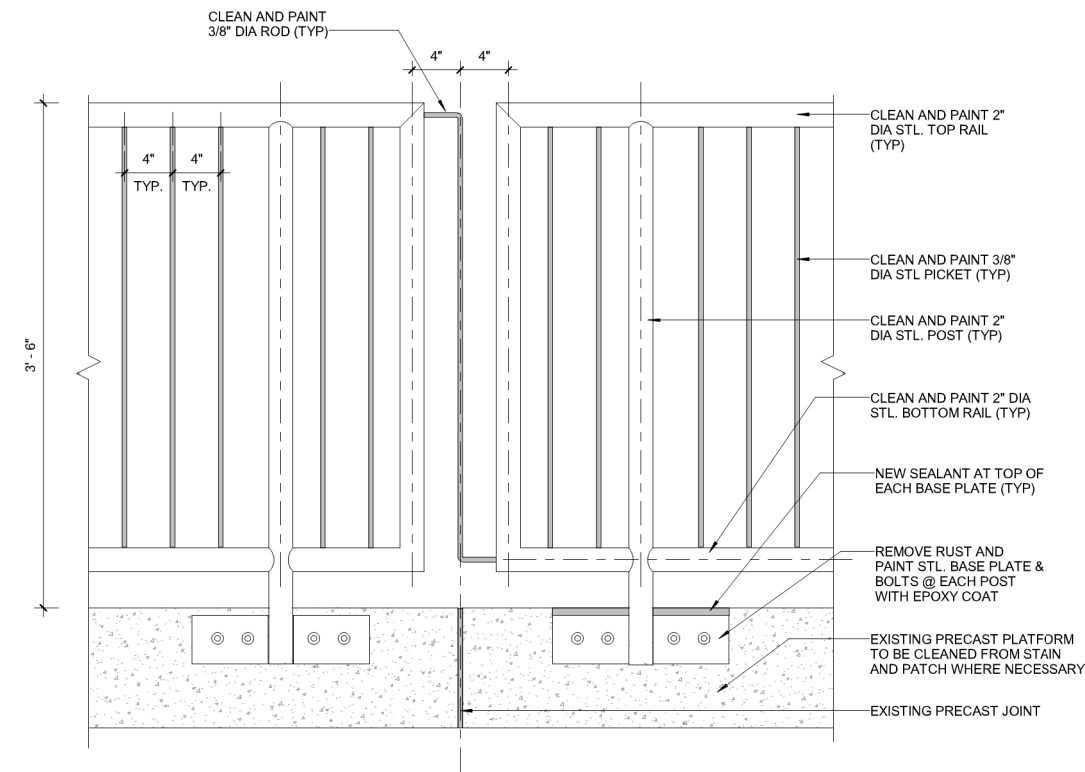
	APPROVED BY VRE	REV NO.	DATE	BY	APP BY	DESCRIPTION	DESIGNED BY:			 Dewberry Architects Inc. 8401 ARLINGTON BLVE. FAIRFAX, VA 22031 703.849.0100 (PHONE) 703.849.0518 (FAX)	ROLLING ROAD STATION IMPROVEMENTS		IFB NO:
		0	08/14/2020			INVITATION FOR BID	MD						021-005
							DRAWN BY:						DRAWING NO.
	APPROVED BY COUNTY						MS						A-301 R
							CHECKED BY:				EXISTING CANOPY SECTION AND DETAILS		SCALE:
							DATE						AS NOTED
							08-14-2020						SHEET NO.
													40 OF 51

GENERAL NOTES

1. GENERAL CONTRACTOR TO DEMOLISH EXISTING STAIR #1, ASSOCIATED LANDING AND STRUCTURAL SUPPORT.
2. PROPOSED PRECAST STAIR IS DELEGATED DESIGN.
3. PROPOSED PRECAST STAIR DRAWINGS SHOWN FOR DESIGN INTENT ONLY.
4. GENERAL CONTRACTOR TO PROVIDE PRECAST STAIR SHOP DRAWING TO INCLUDE STRUCTURALLY ENGINEERED STAIR DETAILS, FOOTING, DESIGN CRITERIA PROVIDED BY STRUCTURAL ENGINEER OF RECORD AND INCLUDED WITH SHOP DRAWINGS FOR REVIEW.
5. GENERAL CONTRACTOR TO MAINTAIN TWO POINTS OF ACCESS/ EXIT TO THE STATION PLATFORM AT ALL TIMES, ONE OF WHICH IS ADA COMPLIANT.

4 EXISTING GUARDRAIL SECTION

Scale: 1 1/2" = 1'-0"

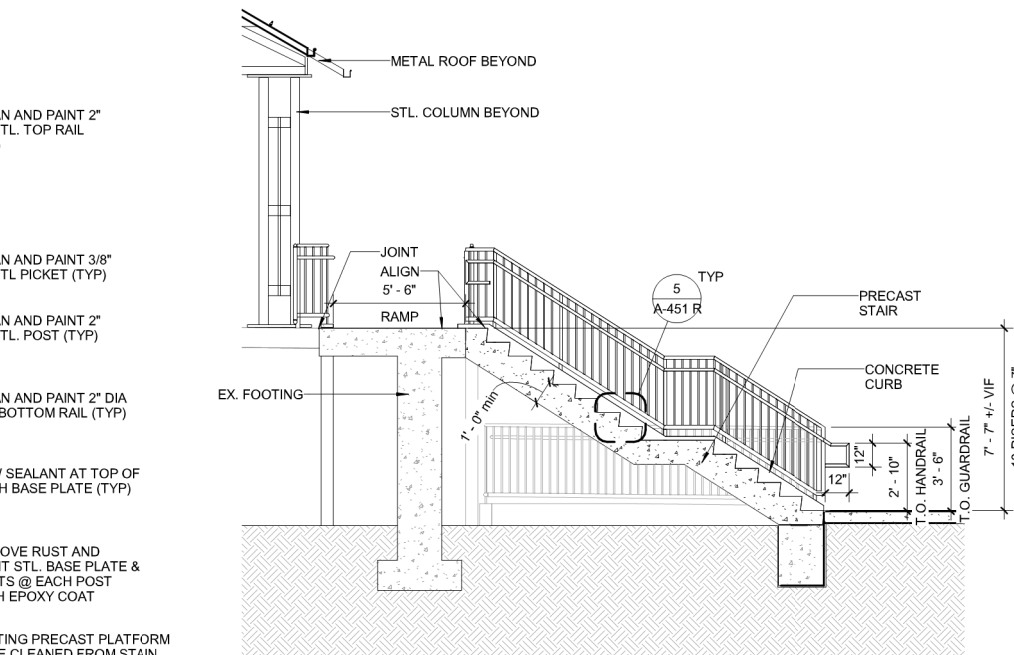


3 EXISTING GUARDRAIL CONNECTION DETAIL

Scale: 1 1/2" = 1'-0"

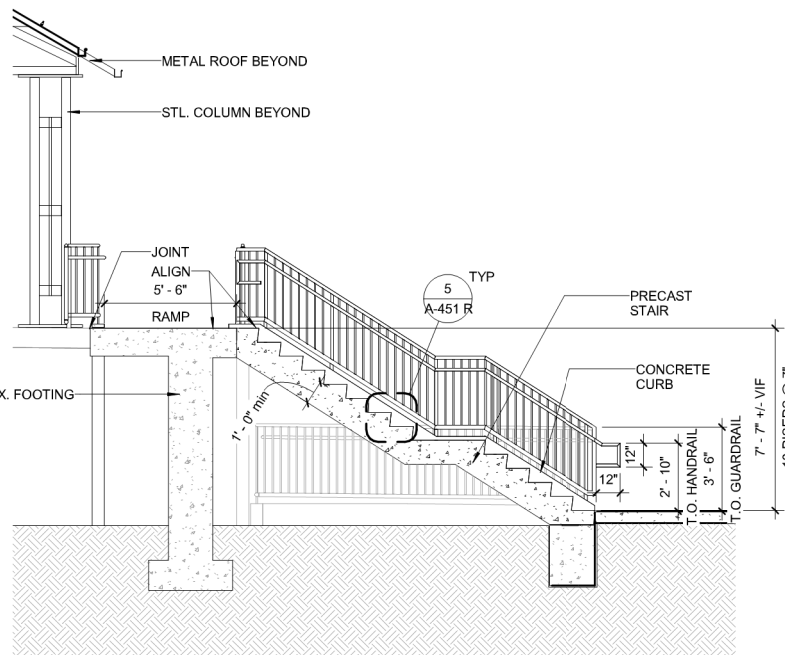
5 TREAD - RISER DETAIL

Scale: 1 1/2" = 1'-0"



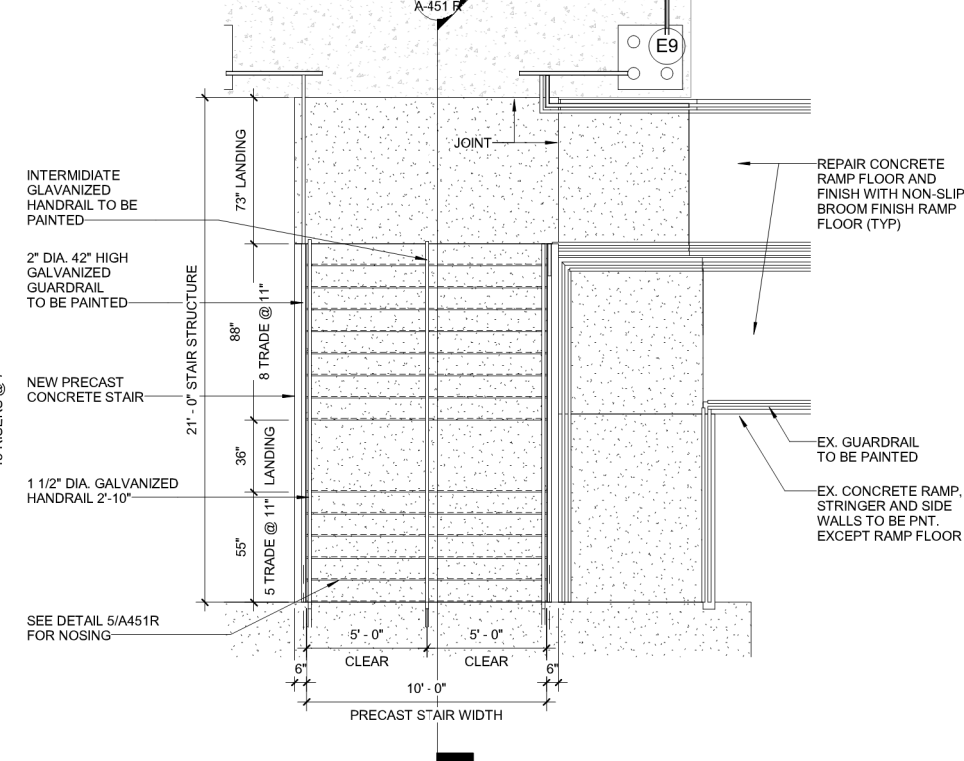
2 STAIR SECTION

Scale: 1/4" = 1'-0"



1 EXISTING STAIR / RAMP ENLARGED PLAN 1

Scale: 1/4" = 1'-0"



APPROVED BY VRE	REV NO.	DATE	BY	APP BY	DESCRIPTION	DESIGNED BY:
	0	08/14/2020			INVITATION FOR BID	MD
						DRAWN BY:
						MD
						CHECKED BY:
						MS
						DATE
						08-14-2020

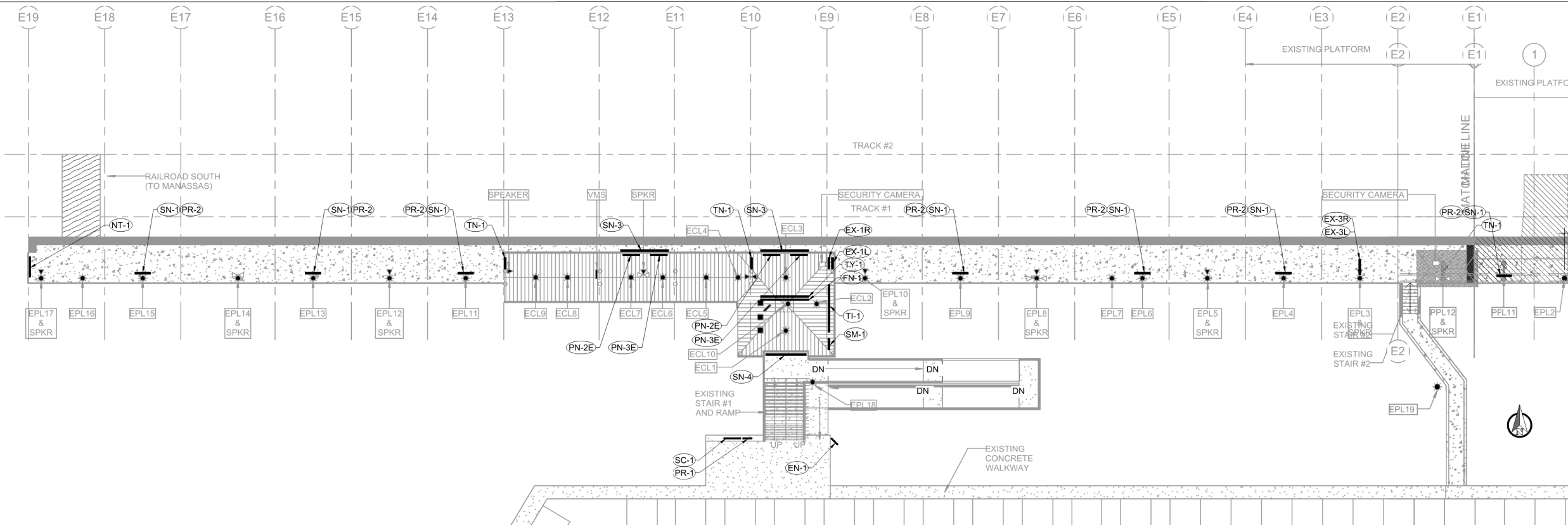


Dewberry Architects Inc.
8401 ARLINGTON BLVE.
FAIRFAX, VA 22031
703.549.0100 (PHONE)
703.649.0518 (FAX)

ROLLING ROAD STATION
IMPROVEMENTS

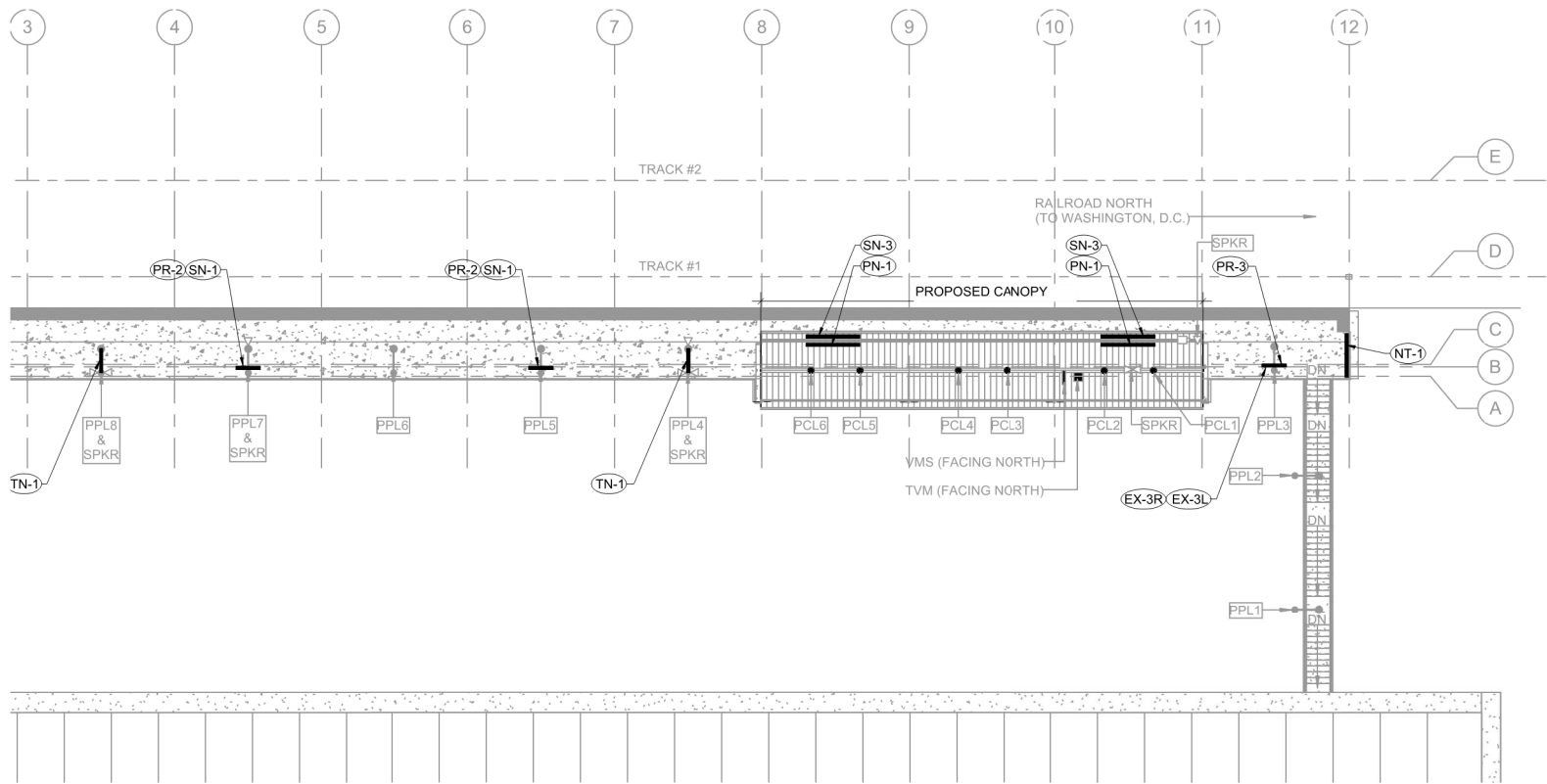
EXISTING STAIR AND RAIL
DETAILS

IFB NO: 021-005
DRAWING NO. A-451 R
SCALE: AS NOTED
SHEET NO. 41 OF 51



LEGEND:
XX-1 — SIGN NUMBER

1 EXISTING PLATFORM SIGNAGE PLAN
Scale: 1/16" = 1'-0"



SIGN INVENTORY		
SIGN NO.	DESCRIPTION/GENERAL LOCATION	QUANTITY
EN-1	BRAILE STATION LOCATION	1
EX-1L/EX-1R	EXIT TO ADA RAMP - LEFT/RIGHT	2
EX-3L/EX-3R	STANDARD EXIT - LEFT/RIGHT	4
FN-1	FARE NOTICE: PROOF OF PAYMENT	1
NT-1	NO TRESSPASSING	2
PN-1	PLATFORM NOTICE	2
PN-2E	PLATFORM NOTICE - EAST	2
PN-3E	PLATFORM NOTICE - EAST	2
PR-1	PROHIBITIONS	1
PR-2	PROHIBITIONS	10
PR-3	PROHIBITIONS	1
SC-1	SECURITY NOTICE	1
SN-1	STATION NAME	10
SN-3	STATION NAME	4
SN-4	STATION NAME	1
SM-1	BRAILE SYSTEM MAP	1
TI-1	TRACK INFORMATION 4 POSTER WID	1
TN-1	TRACK NUMBER - #1	5
TY-1	THANK YOU: BACK OF FN-1	1

NOTES:
SEE DRAWING NO. A-802R, A-803R, A-804R, A-805R, A-806R FOR SIGN DETAILS.

2 PROPOSED PLATFORM SIGNAGE PLAN
Scale: 1/16" = 1'-0"

APPROVED BY VRE	REV.NO.	DATE	BY	APP BY	DESCRIPTION	DESIGNED BY:				ROLLING ROAD STATION IMPROVEMENTS	IFB NO:
	0	08/14/2020			INVITATION FOR BID	KAF					021-005
						DRAWN BY:					DRAWING NO:
						KAF					A-801R
APPROVED BY COUNTY						CHECKED BY:				SIGNAGE PLAN	SCALE:
						TCC					AS NOTED
						DATE:					SHEET NO:
						08-14-2020					42 OF 51

GENERAL NOTES:

ALL SIGNS SHALL MEET THE FOLLOWING GENERAL REQUIREMENTS UNLESS NOTED OTHERWISE.

1.

VRE WILL PROVIDE ARTWORK FOR ALL VRE (STATIONS AND FACILITIES) SIGNS FOR FABRICATION BY CONTRACTOR. THE CONTRACTOR SHALL SUBMIT PDF PROOF TO VRE FOR APPROVAL PRIOR TO FABRICATION.
2.

VRE DOES NOT PROVIDE ARTWORK FOR MANUAL ON UNIVERSAL TRAFFIC CONTROL DEVICES (MUTCD) SIGNS.
3.

VRE DOES NOT PROVIDE ARTWORK FOR STENCIL MARKINGS ON PLATFORMS.
4.

VRE WILL PROVIDE ORGANIZATIONAL LOGO UPON REQUEST.
5.

SIGN PANEL MATERIAL (MINIMUM THICKNESS):
 - 0.08 (ABOUT 0.10" THICK) ALUMINUM 5052 TENSILE STRENGTH (FOR SIGN PANELS UP TO 24" WIDE IN ANY DIMENSION.
 - 0.10 (ABOUT 0.125" THICK) ALUMINUM 5052 TENSILE STRENGTH (FOR SIGN PANELS LARGER THAN 24" IN ANY DIMENSION UP TO 6'-0".
6.

FONT: GIL SANS MT (BOLD) UPPER CASE UNLESS NOTED OTHERWISE.
7.

OVERLAY: 3M 1160 PREMIUM PROTECTIVE CVERLAY.
8.

FILM/SHEETING: 3M ENGINEERED REFLECTIVE GRADE SERIES 3290 OF HIGHER - WHITE.
9.

METHOD: ALL SIGNS SHALL BE SCREEN PRINTED, NOT VINYL LETTERS, EXCEPT WHEN THEY ARE CUT OUT FOR OTHER APPLICATIONS SUCH AS STATION SHELTERS.
10.

MATCH COLORS LISTED BELOW OR SUBMIT EQUAL FOR REVIEW AND APPROVAL:
 - TUNDRA: MBCI SIGNATURE 300: STANDARD MANU. COLOR
 - NAVY BLUE: TNEMEC FLOURONAR F073-63BL NAVY BLUE
 - COMMONWEALTH RED: PMS 187C
 - COMMONWEALTH BLUE: PMS 288U
11.

GRAFFITI RESISTANCE: CLEAR, SEMI-GLOSS TOPCOAT TO ALL SIGN PANEL.
12.

FOR STENCIL MARKINGS AND STRIPING:
 - MARKINGS SHALL BE FULL FOR TEXT AND LETTERS.
 - PRIMER: APPLY PRIMER TO FILL SURFACE POROSITY OF CONCRETE.
 - MINIMUM TWO (2) COATS.
13.

ALL HOLES FOR MOUNTING SHALL BE DRILLED IN THE SHOP.
14.

MOUNTING HARDWARE: TAMPER PROOF, SS 316.
15.

CONTRACTOR SHALL SUBMIT MOUNTING HARDWARE AND METHODS FOR MOUNTING TO ARCHITECT FOR APPROVAL PRIOR TO SIGN INSTALLATION.
16.

SIGN NUMBER ABBREVIATIONS ARE AS FOLLOWS:
L = LEFT / R = RIGHT
U = UP / D = DOWN
B = BACK
E = SIGN FACING RAILROAD EAST / W = SIGN FACING RAILROAD WEST
17.

SIGNAGE BASIS OF DESIGN PREPARED BY FASTSIGNS

TABLE 1: STATION COLOR PALETTE

STATION	STATION COLORS					
	ROOF ¹	STEEL FRAMING ³	STEEL INFILL	RAILING POST/RAIL	RAILING INFILL	STATION SIGNS
UNION STATION ⁵	-	-	-	-	-	-
L'ENFANT	TUNDRA	NAVY BLUE	NAVY BLUE	NAVY BLUE	NAVY BLUE	NAVY BLUE
CRYSTAL CITY	TUNDRA	NAVY BLUE	NAVY BLUE	NAVY BLUE	NAVY BLUE	NAVY BLUE
ALEXANDRIA ⁵	-	-	-	-	-	NAVY BLUE
FRANCONIA-SPRINGFIELD	TUNDRA	NAVY BLUE	NAVY BLUE	NAVY BLUE	NAVY BLUE	COMMONWEALTH RED
LORTON	TUNDRA	NAVY BLUE	NAVY BLUE	NAVY BLUE	NAVY BLUE	COMMONWEALTH RED
RIPPON	TUNDRA	NAVY BLUE	NAVY BLUE	NAVY BLUE	NAVY BLUE	COMMONWEALTH RED
POTOMAC SHORES	TUNDRA	NAVY BLUE	NAVY BLUE	NAVY BLUE	NAVY BLUE	COMMONWEALTH RED
QUANTICO	N/A ⁴	NAVY BLUE	NAVY BLUE	NAVY BLUE	NAVY BLUE	COMMONWEALTH RED
BROOKE	TUNDRA	NAVY BLUE	NAVY BLUE	NAVY BLUE	NAVY BLUE	COMMONWEALTH RED
LEELAND ROAD	TUNDRA	NAVY BLUE	NAVY BLUE	NAVY BLUE	NAVY BLUE	COMMONWEALTH RED
FREDERICKSBURG ⁵	-	-	-	-	-	COMMONWEALTH RED
SPOTSYLVANIA	TUNDRA	NAVY BLUE	NAVY BLUE	NAVY BLUE	NAVY BLUE	COMMONWEALTH RED
BACKLICK ROAD	TUNDRA	NAVY BLUE	NAVY BLUE	NAVY BLUE	NAVY BLUE	COMMONWEALTH BLUE
ROLLING ROAD	TUNDRA	NAVY BLUE	NAVY BLUE	NAVY BLUE	NAVY BLUE	COMMONWEALTH BLUE
BURKE CENTRE	TUNDRA	NAVY BLUE	NAVY BLUE	NAVY BLUE	NAVY BLUE	COMMONWEALTH BLUE
MANASSAS PARK	TUNDRA	NAVY BLUE	NAVY BLUE	NAVY BLUE	NAVY BLUE	COMMONWEALTH BLUE
MANASSAS ⁵	-	-	-	-	-	COMMONWEALTH BLUE
BROAD RUN	TUNDRA	NAVY BLUE	NAVY BLUE	NAVY BLUE	NAVY BLUE	COMMONWEALTH BLUE

COLOR PALETTE NOTES:

ALL SIGNS SHALL MEET THE FOLLOWING GENERAL REQUIREMENTS UNLESS NOTED OTHERWISE.

1.

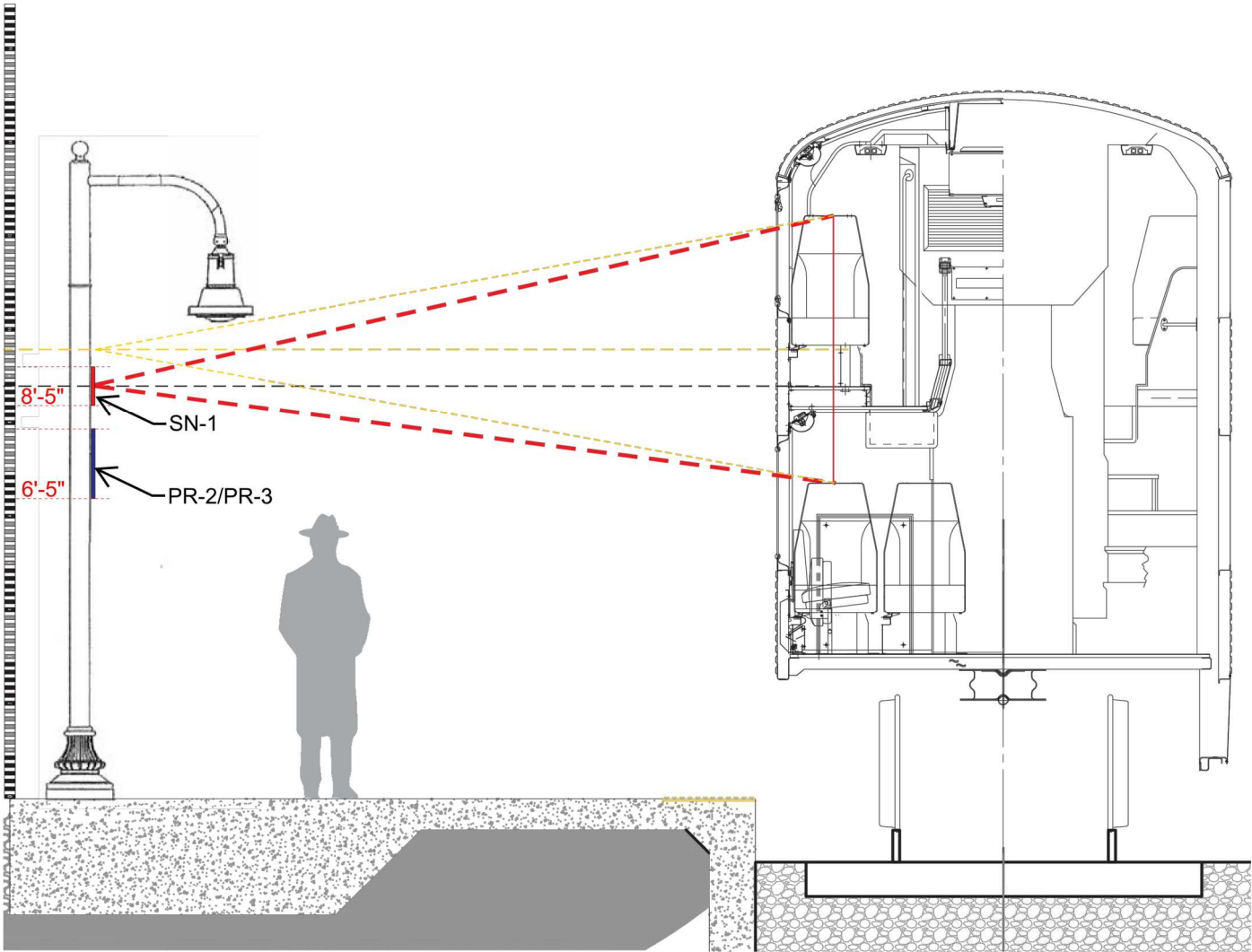
MATCH EXISTING ROOF COLOR FOR CANOPY EXTENSIONS UNLESS REPLACING EXISTING ROOF.
2.

COLOR APPEARANCE ON SCREEN OR IN PRINT NOT TO BE USED FOR MATCHING.
3.

INCLUDING JOISTS.
4.

QUANTICO CANOPIES ARE UNIQUE REFLECTING THE HISTORIC STATUS OF THE STATION.
5.

VRE SHARES RESPONSIBILITY FOR MAINTENANCE AT UNION STATION, ALEXANDRIA, MANASSAS AND FREDERICKSBURG. COLOR PALETES FOR THESE STATIONS WI.L BE HANDLED ON AN INDIVIDUAL BASIS.






VRE LAMPOST SIGN SIGHT LINE
TYPICAL INSTALLATION

TABLE 2: SIGN SCHEDULE - STATIONS AND FACILITIES

ITEM	SIGN NO.	DESCRIPTION / GENERAL LOCATION	STD. DWG. NO.	SIZE (W X H) (INCHES)	NOTES	MOUNTING METHOD	MOUNTING HEIGHT	COMMENTS/SPECIAL INSTRUCTIONS
1	DP-1	DECISION POINT	2017-06F	48 X 7	AS REQUIRED THROUGHOUT	MAY BE SUSPENDED, POST MOUNTED OR ANCHORED TO WALL (VARIES BY LOCATION)	BOTTOM EDGE 6'-5" TO 8'-0" ABOVE PLATFORM	DESIGNATE DIRECTION(S) TO ELEVATOR AND TRACK(S)
2	DP-2	DECISION POINT	2017-06F	48 X 10.75	AS REQUIRED THROUGHOUT	MAY BE SUSPENDED, POST MOUNTED OR ANCHORED TO WALL (VARIES BY LOCATION)	BOTTOM EDGE 6'-5" TO 8'-0" ABOVE PLATFORM	DESIGNATE DIRECTION(S) TO METRORAIL, BUSES AND TRACK(S)
3	DP-3	DECISION POINT	2017-06F	48 X 14.5	AS REQUIRED THROUGHOUT	MAY BE SUSPENDED, POST MOUNTED OR ANCHORED TO WALL (VARIES BY LOCATION)	BOTTOM EDGE 6'-5" TO 8'-0" ABOVE PLATFORM	DESIGNATE DIRECTION(S) TO STATION AND TRACK(S)
4	EL-1U/EL-1B	ELEVATOR DIRECTION - UP/BEHIND	2017-06C	30 X 10.5	DIRECTION TO ELEVATOR	MAY BE SUSPENDED, POST MOUNTED OR ANCHORED TO WALL (VARIES BY LOCATION)	BOTTOM EDGE 6'-5" TO 8'-0" ABOVE PLATFORM	DESIGNATE DIRECTION(S) TO ELEVATOR(S)
5	EL-1L/EL-1R	ELEVATOR DIRECTION - LEFT/RIGHT	2017-06C	30 X 10.5	DIRECTION TO ELEVATOR	MAY BE SUSPENDED, POST MOUNTED OR ANCHORED TO WALL (VARIES BY LOCATION)	BOTTOM EDGE 6'-5" TO 8'-0" ABOVE PLATFORM	DESIGNATE DIRECTION(S) TO ELEVATOR(S)
6	EN-1	BRAILLE STATION LOCATION	2017-06E	14.5 X 11.125	AT ADA COMPLIANT ENTRANCE	MAY BE SUSPENDED, POST MOUNTED OR ANCHORED TO WALL (VARIES BY LOCATION)	BOTTOM EDGE 3'-4" ABOVE PLATFORM	STATION SPECIFIC INFORMATION
7	EX-1L/EX-1R	EXIT TO ADA RAMP - LEFT/RIGHT	2017-06C	30 X 10.5	AT ADA COMPLIANT EXIT	SUSPENDED FROM CANOPY W/ 1" X 1" SQUARE TUBING, BACK TO BACK WITH SIGN EX-2	BOTTOM EDGE 8'-0" ABOVE PLATFORM	WHEELCHAIR SYMBOL ON END OF SIGN NEAREST TRACK
8	EX-2L/EX-2R	EXIT TO ELEVATOR - LEFT/RIGHT	2017-06C	30 X 10.5	AT ADA COMPLIANT EXIT	SUSPENDED FROM CANOPY W/ 1" X 1" SQUARE TUBING, BACK TO BACK WITH SIGN EX-1	BOTTOM EDGE 8'-0" ABOVE PLATFORM	WHEELCHAIR SYMBOL ON END OF SIGN NEAREST TRACK
9	EX-3L/EX-3R	STANDARD EXIT - LEFT/RIGHT	2017-06C	30 X 10.5	DIRECTION TO EXIT	MAY BE SUSPENDED, POST MOUNTED OR ANCHORED TO WALL (VARIES BY LOCATION)	BOTTOM EDGE 6'-5" TO 8'-0" ABOVE PLATFORM	-
10	EX-3U/EX-3D	STANDARD EXIT - UP/DOWN	2017-06C	30 X 10.5	DIRECTION TO EXIT	MAY BE SUSPENDED, POST MOUNTED OR ANCHORED TO WALL (VARIES BY LOCATION)	BOTTOM EDGE 6'-5" TO 8'-0" ABOVE PLATFORM	-
11	EX-3B	STANDARD EXIT - BEHIND	2017-06C	30 X 10.5	DIRECTION TO EXIT	MAY BE SUSPENDED, POST MOUNTED OR ANCHORED TO WALL (VARIES BY LOCATION)	BOTTOM EDGE 6'-5" TO 8'-0" ABOVE PLATFORM	-
12	FN-1	FARE NOTICE: PROOF OF PAYMENT	2017-06C	56 X 13.5	-	ON POST/COLUMN OR SUSPENDED NEAR PLATFORM ENTRY	BOTTOM EDGE 8'-0" ABOVE PLATFORM	DOJBLE-SIDED WITH TY-1
13	FN-2	FARE NOTICE: PROOF OF PAYMENT	2017-06C	12 X 18	-	BANDED TO LIGHT POLE	BOTTOM EDGE 6'-5" ABOVE PLATFORM	BAND PAINTED TO MATCH LIGHT POLE COLOR
14	ID-1	STATION IDENTIFIER	2017-06G	54 X 70.75	DESIGNATED ENTRANCE	ON 4" X 4" ALUMINUM POST ON CONC. FOUNDATION AT STATION ENTRANCE FRONT & BACK	BOTTOM EDGE 10'-0" ABOVE FINISHED GRADE	SPECIAL FOUNDATION AND POST WITH TWO SIGNS PER MOUNT
15	M7-1	DIRECTIONAL ARROW AUXILIARY	2017-06F	12 X 9	PAIR WITH PATHFINDERS	ON METAL SIGN POST BELOW PF-1 AND PF-2	BOTTOM EDGE 6'-6" ABOVE FINISHED GRADE	MUTCD SIGN
16	M7-2	DIRECTIONAL ARROW AUXILIARY	2017-06F	12 X 9	PAIR WITH PATHFINDERS	ON METAL SIGN POST BELOW PF-1 AND PF-2	BOTTOM EDGE 6'-6" ABOVE FINISHED GRADE	MUTCD SIGN
17	M7-4	DIRECTIONAL ARROW AUXILIARY	2017-06F	12 X 9	PAIR WITH PATHFINDERS	ON METAL SIGN POST BELOW PF-1 AND PF-2	BOTTOM EDGE 6'-6" ABOVE FINISHED GRADE	MUTCD SIGN
18	M7-4B	DIRECTIONAL ARROW AUXILIARY	2017-06F	12 X 9	PAIR WITH PATHFINDERS	ON METAL SIGN POST BELOW PF-1 AND PF-2	BOTTOM EDGE 6'-6" ABOVE FINISHED GRADE	MUTCD SIGN
19	NT-1	NO TRESPASSING	2017-06D	66 X 24	-	ON HANDRAIL/PICKETS FACING PLATFORM	TOP EDGE 1" ABOVE TOP OF HANDRAIL	-
20	NT-2	AUTHORIZED USE ONLY	2017-06D	18 X 12	FOR GATES/RESTRICTED AREAS	ON GATES/HANDRAILS	TOP EDGE 1" ABOVE TOP OF HANDRAIL	-
21	PF-1	PATHFINDER: TRAIN STATION	2017-06F	24 X 24	-	ON METAL SIGN POST ABOVE PF-2 AND M7-SERIES	BOTTOM EDGE 1/2" ABOVE PF-2	-
22	PF-2	PATHFINDER: STATION NAME	2017-06F	24 X 12	-	ON METAL SIGN POST BELOW PF-1 AND ABOVE M7-SERIES	BOTTOM EDGE 1/2" ABOVE M7-SERIES	-
23	PN-1E/PN-1W	PLATFORM NOTICE - EAST/WEST	2017-06E	90 X 18	BACK OF SN-2	SUSPENDED FROM CANOPY W/ 1" X 1" SQUARE TUBING, BACK TO BACK WITH SIGN SN-2	BOTTOM EDGE 8'-10" ABOVE PLATFORM	-
24	PN-2E/PN-2W	PLATFORM NOTICE - EAST/WEST	2017-06E	40 x 16	-	ATTACHED TO FASCIA TRUSS OF TYPE 1 (GABLE) CANOPY, BACK TO BACK WITH SN-2	BOTTOM EDGE 8'-10" ABOVE PLATFORM	DOJBLE SIDED WITH SN-2 FACING TRACKS
25	PN-3E/PN-3W	PLATFORM NOTICE - EAST/WEST	2017-06E	40 x 16	-	ATTACHED TO FASCIA TRUSS OF TYPE 1 (GABLE) CANOPY, BACK TO BACK WITH SN-3	BOTTOM EDGE 8'-10" ABOVE PLATFORM	-
26	PR-1	PROHIBITIONS	2017-06D	6 X 18	-	BANDED TO LIGHT POLE OR CANOPY COLUMN	BOTTOM EDGE 6'-5" ABOVE PLATFORM	-
27	PR-2	PROHIBITIONS	2017-06D	6 X 18	-	BANDED TO LIGHT POLE	BOTTOM EDGE 6'-5" ABOVE PLATFORM	-
28	PR-3	PROHIBITIONS	2017-06D	6 X 18	-	BANDED TO LIGHT POLE	BOTTOM EDGE 6'-5" ABOVE PLATFORM	WHERE SMOKING IS ALLOWED (NORTHERN 100' OF PLATFORM)
29	SC-1	SECURITY NOTICE	2017-06E	12 X 18	-	BANDED TO LIGHT POLE OR CANOPY COLUMN	-	-
30	SM-1	BRAILLE SYSTEM MAP	2017-06E	19 X 34	AT ADA COMPLIANT ENTRANCE	POST OR COLUMN MOUNTED ON RIGHT SIDE OF DESIGNATED ADA ENTRANCE	CENTER OF SIGN 4'-9" ABOVE PLATFORM/WALKWAY	ENSURE SIGN IS FACING WALKWAY AND LEGIBLE TO BRAILLE USERS
31	SN-1	STATION NAME	2017-06D	36 X 10	STATION NAME ON LAMP POST	BANDED TO LIGHT POLE	BOTTOM EDGE 8'-5" ABOVE SIGN BELOW	-
32	SN-2E/SN-2W	STATION NAME - EAST/WEST	2017-06D	90 X 18	STATION NAME UNDER CANOPY	SUSPENDED FROM TYPE II (SHED) AND TYPE III (Y-STYLE) CANOPY W/ 1" X 1" SQUARE TUBING, BACK TO BACK WITH SIGN PN-1	BOTTOM EDGE 8'-10" ABOVE PLATFORM	DOJBLE SIDED WITH PN-2 FACING PLATFORM
33	SN-3	STATION NAME	2017-06D	90 X 18	STATION NAME UNDER CANOPY	ATTACHED TO FASCIA TRUSS OF TYPE 1 (GABLE) CANOPY, BEHIND PN2/PN-3	-	-
34	SN-4	STATION NAME	2017-06D	102 x 16	AT ENTRANCE	ATTACHED TO FASCIA TRUSS OF TYPE 1 (GABLE) CANOPY	-	-
35	TI-1A	TRAIN INFORMATION - 4 POSTER WIDE	-	102 X 9	PLASTIC NOT ALUMINUM	ATOP CORK BOARD SIGN FOR VRE POSTERS FOR FARE AND SCHEDULE	-	FOR 4-POSTER WIDE WIDE DISPLAYS
36	TI-1B	TRAIN INFORMATION - 3 POSTER WIDE	2017-06E	74.25 X 9	PLASTIC NOT ALUMINUM	ATOP CORK BOARD SIGN FOR VRE POSTERS FOR FARE AND SCHEDULE	-	FOR 3-POSTER WIDE WIDE DISPLAYS
37	TL-1/TL-2/TL-3	TRACK LOCATION - #1-3 & LOCATION A-G	2017-06C	12 x 12	-	BANDED TO CANOPY COLUMN OR LAMP POST PERPENDICULAR TO TRACK	BOTTOM EDGE 6'-5" ABOVE PLATFORM	-
38	TN-1/TN-2/TN-3	TRACK NUMBER - #1/#2/#3	2017-06C	12 x 12	-	BANDED TO CANOPY COLUMN OR LAMP POST PERPENDICULAR TO TRACK	BOTTOM EDGE 6'-5" ABOVE PLATFORM	-
39	TY-1	THANK YOU: BACK OF FN-1	2017-06C	56 X 13.5	-	OPPOSITE SIGN FN-1	BOTTOM EDGE 8'-0" ABOVE PLATFORM	DOJBLE SIDED WITH FN-1
40	TY-2	THANK YOU SMALL: BACK OF WS-1	2017-06G	36 X 36	-	-	-	-
41	TY-3	THANK YOU LARGE: BACK OF WS-2	2017-06G	72 X 60	-	ON DUAL 2.5" 10-GAUGE ALUMINUM POST ON CONCRETE FOUNDATIONS OPPOSITE WS-1	BOTTOM EDGE 4'-0" ABOVE FINISHED GRADE	MCUNT VISIBLE TO EXITING VEHICLES
42	WS-1	WELCOME SIGN SMALL: FRONT OF TY-2	2017-06G	36 X 36	-	-	-	-
43	WS-2	WELCOME SIGN LARGE: FRONT OF TY-3	2017-06G	72 X 60	-	ON DUAL 2.5" 10-GAUGE ALUMINUM POST ON CONCRETE FOUNDATIONS OPPOSITE TY-3	BOTTOM EDGE 4'-0" ABOVE FINISHED GRADE	MCUNT VISIBLE OF INCOMING VEHICLES
44	WS-3	WELCOME SIGN FOR WALKUP STATIONS	2017-06G	12 X 18	AT STATIONS WITHOUT PARKING LOTS	BANDED TO LIGHT POLE OR CANOPY COLUMN	-	-
COLUMN	A	B	C	D	E	F	G	H

NOTE: NOT ALL SIGNS ARE REQUIRED FOR THIS PROJECT;
SEE SIGN INVENTORY ON SHEET A-801R

	APPROVED BY VRE	REV.NO.	DATE	BY	APP BY	DESCRIPTION	DESIGNED BY:			 Dewberry Engineers Inc. 8401 ARLINGTON BLVD. FAIRFAX, VA 22031 PHONE: 703.849.0100 FAX: 703.849.0118	ROLLING ROAD STATION IMPROVEMENTS	IFB NO:	021-005	
		0	08/14/2020			INVITATION FOR BID	DRAWN BY:						DRAWING NO:	A-803R
							KAF							
		APPROVED BY COUNTY					CHECKED BY:						SCALE:	NONE
							TCC					SHEET NO:	44 OF 51	
						DATE:	08-14-2020							



COLORS:	BAR & TEXT	WHITE
	PICTOGRAM	WHITE
	BACKGROUND	TNEMEC NAVY BLUE F073-63BL
FONTS:	GILL SANS MT (BOLD)	
OBVERSE:	MATCH STEEL COLOR (BLANK IF WALL MOJNTED)	

EXIT TO ADA RAMP (EX-1)

NOTE: EX-1R SHOWN
VARIANTS: EX-1L



COLORS:	BAR & TEXT	WHITE
	BACKGROUND	TNEMEC NAVY BLUE F073-63BL
FONTS:	GILL SANS MT (BOLD)	
OBVERSE:	MATCH STEEL COLOR (BLANK IF WALL MCUNTED)	

STANDARD EXIT (EX-3)

NOTE: EX-3L SHOWN
VARIANTS: EX-3R, EX-3U, EX-3D, EX-3D, EX-3B



COLORS:	BAR & TEXT	WHITE
	BACKGROUND	TNEMEC NAVY BLUE F073-63BL
FONTS:	GILL SANS MT (BOLD)	
OBVERSE:	DUPLICATE OF FRONT	

TRACK NUMBER (TN-1)

PROOF OF PAYMENT REQUIRED
VRE PASSENGERS MUST PURCHASE AND VALIDATE TICKETS
PRIOR TO BOARDING TRAINS.
VIOLATORS SUBJECT TO A FINE OF NOT LESS THAN \$150⁰⁰.
CODE OF VIRGINIA SECTION 18.2-160.1

COLORS:	BAR	WHITE
	BACKGROUND	YELLOW (PMS 116C)
	TEXT	BLACK (PMS PROCESS BLACK C)
FONTS:	FIRST LINE	GILL SANS MT (BOLD)
	OTHER LINES	GILL SANS MT
OBVERSE:	BLANK	

FARE NOTICE (FN-1)



COLORS:	BAR	WHITE
	BACKGROUND	TNEMEC NAVY BLUE F073-63BL
	TEXT	WHITE
	LOGO	RED (PMS 186) BLUE (PMS 286) BLACK (PMS PROCESS BLACK C)
FONTS:	FIRST LINE	GILL SANS MT (BOLD)
	OTHER LINES	GILL SANS MT
OBVERSE:	BLANK	

THANK YOU (TY-1)

NOTES:

1. SEE 2017-06A FOR GENERAL REQUIREMENTS.

	APPROVED BY VRE	REV.NO.	DATE	BY	APP BY	DESCRIPTION	DESIGNED BY:				ROLLING ROAD STATION IMPROVEMENTS	IFB NO:	021-005
		0	08/14/2020			INVITATION FOR BID	KAF					DRAWING NO:	A-804R
							DRAWN BY:						
							KAF						
	APPROVED BY COUNTY						CHECKED BY:				EXIT & FARE NOTIFICATION	SCALE:	NONE
							TCC					SHEET NO:	45 OF 51
							DATE:						
							08-14-2020						

ROLLING ROAD

COLORS:	BAR, TEXT	WHITE
	BACKGROUND	COMMONWEALTH BLUE (PMS 288U)
FONTS:	STATION NAME	GILL SANS MT (BOLD)
OBVERSE:	MATCH POLE COLOR	

STATION NAME (SN-1)

ROLLING ROAD

COLORS:	BAR, TEXT	WHITE
	BACKGROUND	COMMONWEALTH RED (PMS 187C)
FONTS:	STATION NAME	GILL SANS MT (BOLD)
	DESTINATION	GILL SANS MT
OBVERSE:	BLANK	

STATION NAME (SN-3)



ROLLING ROAD

COLORS:	BAR, TEXT	WHITE
	BACKGROUND	COMMONWEALTH BLUE (PMS 288U)
	LOGO	RED (PMS 186) BLUE (PMS 286) BLACK (PMS PROCESS BLACK C)
FONTS:	STATION NAME	GILL SANS MT (BOLD)
	DESTINATION	GILL SANS MT
OBVERSE:	MATCH STEEL COLOR	

STATION NAME (SN-4)



DANGER NO TRESPASSING!

Stay off the tracks.
Remain behind the yellow line
until the train stops.

COLORS:	BAR, TEXT, FIELDS	WHITE
	PEOPLE	BLACK (PMS PROCESS BLACK C)
	CIRCLE, BACKGROUND	RED (PMS 187C)
FONTS:	FIRST TWO LINES	GILL SANS MT (BOLD)
	OTHER TEXT	GILL SANS MT
OBVERSE:	MATCH STEEL COLOR	

NO TRESPASSING (NT-1)



STAY OFF
THE TRACKS



REMAIN BEHIND
THE YELLOW LINE
UNTIL THE TRAIN
STOPS

COLORS:	BAR, TEXT, FIELDS	WHITE
	PEOPLE	BLACK (PMS PROCESS BLACK C)
	CIRCLE	RED (PMS 187C)
	BACKGROUND	TNEMEC NAVY BLUE F073-63BLA
FONTS:	GILL SANS MT (BOLD)	
OBVERSE:	MATCH POLE/COLUMN COLOR	

PROHIBITIONS (PR-1)

PROHIBITIONS (PR-2)



STAY OFF
THE TRACKS



REMAIN BEHIND
THE YELLOW LINE
UNTIL THE TRAIN
STOPS

COLORS:	BAR, TEXT, FIELDS	WHITE
	PEOPLE	BLACK (PMS PROCESS BLACK C)
	CIRCLES	GREEN (PMS 342C) & RED (PMS 187C)
	BACKGROUND	TNEMEC NAVY BLUE F073-63BLA
FONTS:	GILL SANS MT (BOLD)	
OBVERSE:	MATCH POLE COLOR	

PROHIBITIONS (PR-3)

NOTES:

- SEE 2017-06A FOR GENERAL REQUIREMENTS.

	APPROVED BY VRE	REV.NO.	DATE	BY	APP BY	DESCRIPTION	DESIGNED BY:			 Dewberry Engineers Inc. 8401 ARLINGTON BLVD. FAIRFAX, VA 22031 PHONE: 703.849.0100 FAX: 703.849.0118	ROLLING ROAD STATION IMPROVEMENTS	IFB NO:	021-005
		0	08/14/2020			INVITATION FOR BID	KAF					DRAWING NO:	A-805R
							DRAWN BY:					SCALE:	NONE
	APPROVED BY COUNTY						CHECKED BY:					SHEET NO:	46 OF 51
							DATE:						
							08-14-2020						
STATION NAME & PROHIBITIONS													

BASE SIGN		
COLORS:	BAR, TEXT	WHITE
	BACKGROUND	TNEMEC NAVY BLUE F073-63BL
FONT:	GILL SANS MT	
OBVERSE:	BLANK	
PICTOGRAMS		
COLORS:	BAR, TEXT, FIELDS	WHITE
	PEOPLE	BLACK (PMS PROCESS BLACK C)
	CIRCLE	RED (PMS 187C)

INTERIOR SIGN (LEFT) NO TRESPASSING			INTERIOR SIGN (RIGHT) PROOF OF PAYMENT		
COLORS:	TEXT	WHITE & BLACK (PMS PROCESS BLACK C)	COLORS:	TEXT	BLACK (PMS PROCESS BLACK C)
	BACKGROUND	WHITE & RED (PMS 187C) (TNMEC NAVY BLUE F073-63BL)		BACKGROUND	YELLOW (PMS 116C)
FONT:	FIRST LINE	GILL SANS MT (BOLD)	FONT:	FIRST LINE	GILL SANS MT (BOLD)
	OTHER TEXT	GILL SANS MT		OTHER TEXT	GILL SANS MT

PLATFORM NOTICE (PN-1)

NOTE: PN-1E SHOWN
VARIANTS: PN-1W

BASE SIGN		
COLORS:	BAR, TEXT	WHITE
	BACKGROUND	TNEMEC NAVY BLUE F073-63BL
FONT:	GILL SANS MT	
OBVERSE:	BLANK	
INTERIOR SIGN (LEFT) NO TRESPASSING		
COLORS:	TEXT	WHITE & BLACK (PMS PROCESS BLACK C)
	BACKGROUND	WHITE & RED (PMS 187C) (TNEMEC NAVY BLUE F073-63BL)
FONT:	FIRST LINE	GILL SANS MT (BOLD)
	OTHER TEXT	GILL SANS MT

PLATFORM NOTICE (PN-2)


NOTE: PN-2E SHOWN
VARIANTS: PN-2W

PROOF OF PAYMENT REQUIRED

VRE PASSENGERS MUST PURCHASE AND VALIDATE
TICKETS **PRIOR** TO BOARDING TRAINS.


**VIOLATORS SUBJECT TO A FINE OF
NOT LESS THAN \$150.00.**

CODE OF VIRGINIA SECTION 18.2-160.1



**EXCEPT IN
DESIGNATED AREAS**

Washington DC



BASE SIGN		
COLORS:	BAR, TEXT	WHITE
	BACKGROUND	TNEMEC NAVY BLUE F073-63BL)
FONT:	GILL SANS MT	
OBVERSE:	BLANK	
INTERIOR SIGN (RIGHT) PROOF OF PAYMENT		
COLORS:	TEXT	BLACK (PMS PROCESS BLACK C)
	BACKGROUND	YELLOW (PMS 116C)
FONT:	FIRST LINE	GILL SANS MT (BOLD)
	OTHER TEXT	GILL SANS MT
PICTOGRAMS		
COLORS:	BAR, TEXT, FIELDS	WHITE
	PEOPLE	BLACK (PMS PROCESS BLACK C)
	CIRCLE	RED (PMS 187C)

PLATFORM NOTICE (PN-3)

NOTE: PN-3E SHOWN
VARIANTS: PN-3W

ROLLING ROAD

800.453.2530

**9016 BURKE RD
BURKE**

REPORT CRIME & SUSPICIOUS ACTIVITY TO 911

RAILROAD INFORMATION

RAILROAD NORFOLK SOUTHERN MILEPOST CFP 26.8

RAILROAD EMERGENCY CONTACT# 1.800.453.2530

COLORS:	BARs, TEXT, BORDER	WHITE
	BACKGROUND, OTHER TEXT	RED (PMS 187C)
FONTs:	GILL SANS MT	
OBVERSE:	MATCH STEEL COLOR (BLANK IF WALL MOUNTED)	

BRAILLE STATION LOCATION (EN-1)

**POLICE & VIDEO
SURVEILLANCE
MAY BE IN
PROGRESS**

**REPORT
SUSPICIOUS
ACTIVITY TO
911**

COLORS:	BAR	WHITE
	BACKGROUND	YELLOW (PMS 116C)
	TEXT	BLACK (PMS PROCESS BLACK C)
FONTS:	FIRST LINE	GILL SANS MT (BOLD)
	OTHER LINES	GILL SANS MT
OBVERSE:	MATCH POLE/COLUMN COLOR	

SECURITY NOTICE (SC-1)

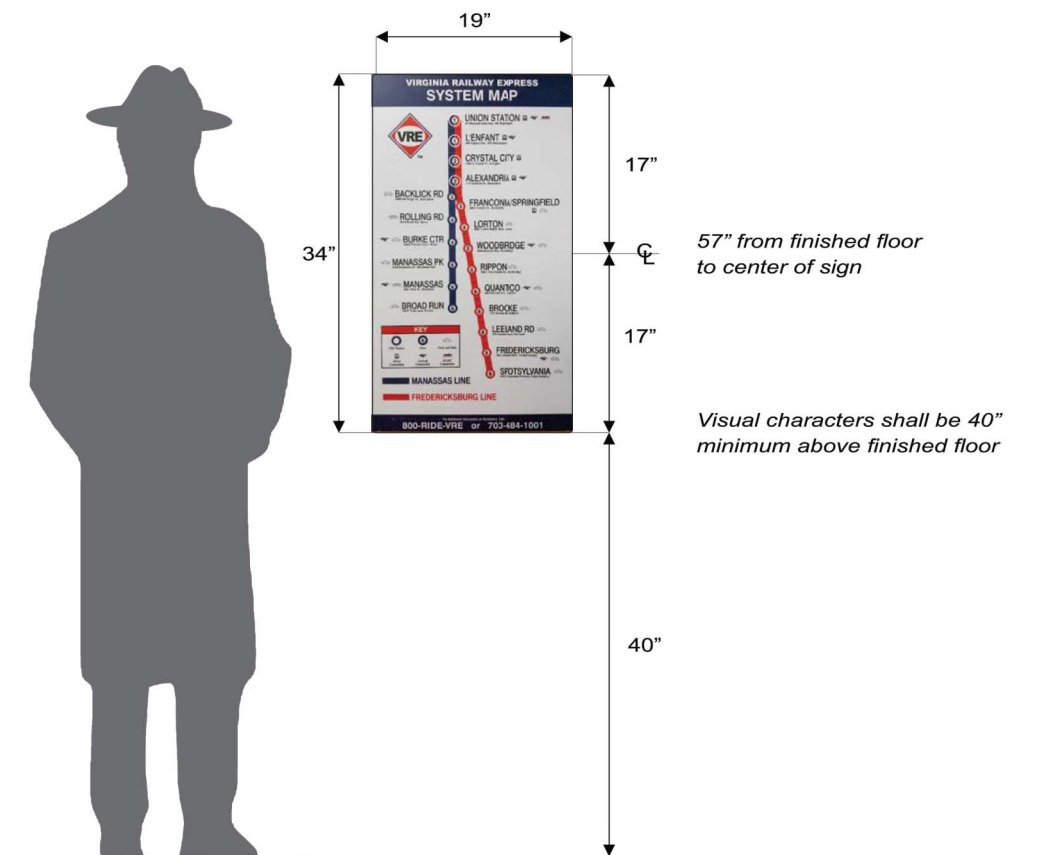
COLORS:	BAR, TEXT, LOGOTYPE	BLACK (PMS PROCESS BLACK C)
	BACKGROUND	WHITE
	LOGO	RED (PMS 186) BLUE (PMS 286) BLACK (PMS PROCESS BLACK C)
FONTS:	TEXT	GILL SANS MT (BOLD)
	LOGOTYPE	GILL SANS MT
OBVERSE:	BLANK	

TRAIN INFORMATION SIGN (TI-1B)

NOTE 1: THIS SIGN IS PLASTIC NOT ALUMINUM

NOTE 2: FOR 3 POSTER WIDE DISPLAYS

VARIANTS: TI-1B (4-POSTER WIDE DISPLAYS)



BRAILLE SYSTEM MAP (SM-1)

NOTES:

1. SEE 2017-06A FOR GENERAL REQUIREMENTS.




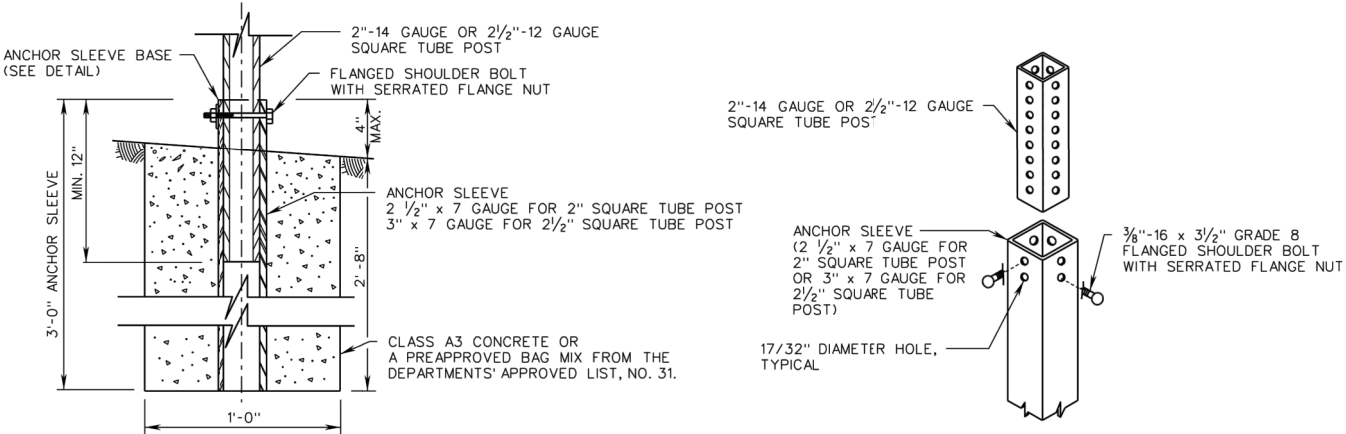



17. SEE 2017 CCAT FOR GENERAL REQUIREMENTS.	APPROVED BY VRE	REV. NO.	DATE	BY	APP BY	DESCRIPTION	DESIGNED BY:			 Dewberry Engineers Inc. 8401 ARLINGTON BLVD. FAIRFAX, VA 22031 PHONE: 703.849.0100 FAX: 703.849.0118	ROLLING ROAD STATION IMPROVEMENTS	IFB NO:	021-005	
		0	08/14/2020			INVITATION FOR BID	KAF					DRAWING NO:	A-806R	
							KAF							
		APPROVED BY COUNTY										CHECKED BY:		SCALE:
												DATE:		SHEET NO:
							TCC				PLATFORM NOTICE & INFORMATION			

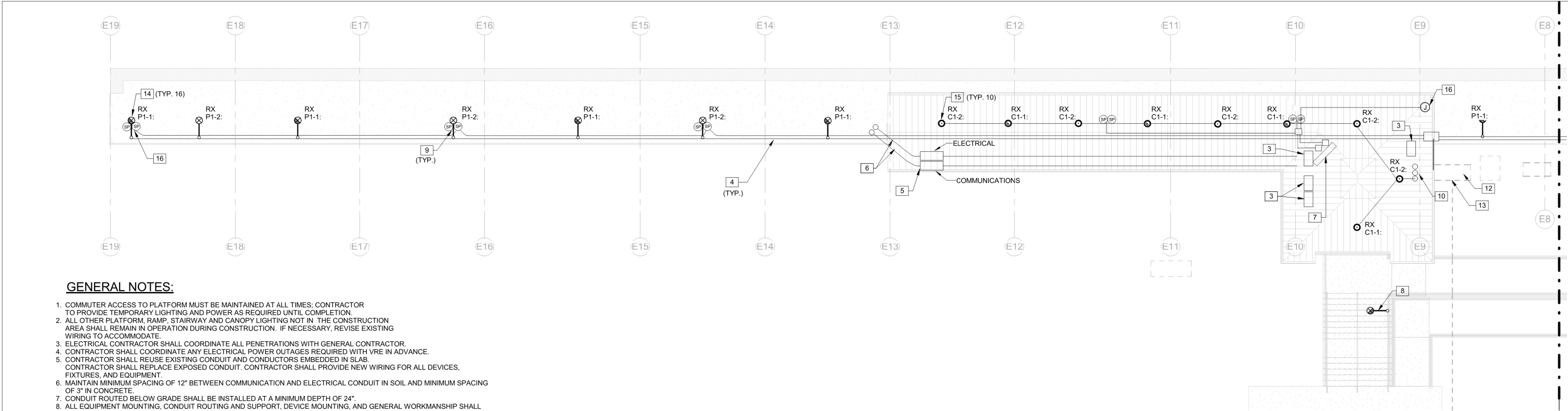
TABLE 2 FOR BRISTOL, SALEM, LYNCHBURG, RICHMOND, FREDERICKSBURG, CULPEPER, STAUNTON, AND NORTHERN VIRGINIA DISTRICTS (SEE NOTE 5)					STP-1
SIZE OF POST	CENTROID (FT.)	MAXIMUM AREA (TOTAL OF SIGN PANELS) (FT ²)			COMMENTS
		SINGLE-POST	TWO-POST	THREE-POST	
2 INCH 14 GA.	8	10.7	21.4		TYPE A, TYPE D, OR TYPE F FOUNDATION AS SPECIFIED IN THE CONTRACT DOCUMENTS.
	9	9.5	19.0		
	10	8.5	17.0		
	11	7.7	15.4		
	12	7.1	14.2		
	13	6.5	13.0		
	14	6.1	12.2		
2½ INCH 12 GA.	8	21.5			TYPE A OR TYPE E FOUNDATION.
	9	19.1			
	10	17.2			
	11	15.6			
	12	14.3			
	13	13.2			
	14	12.3			
2½ INCH 10 GA.	8	24.8	49.6	74.4	TYPE B OR TYPE C FOUNDATION AS SPECIFIED IN THE CONTRACT DOCUMENTS.
	9	22.0	44.0	66.0	
	10	19.8	39.6	59.4	
	11	18.0	36.0	54.0	
	12	16.5	33.0	49.5	
	13	15.2	30.4	45.6	
	14	14.1	28.2	42.3	
2½ INCH 10 GA. WITH 2⅝ INCH 10 GA. INNER POST (SEE NOTE 1)	8	43.4	86.8	130.2	TYPE B OR TYPE C FOUNDATION AS SPECIFIED IN THE CONTRACT DOCUMENTS.
	9	38.6	77.2	115.8	
	10	34.7	69.4	104.1	
	11	31.6	63.2	94.8	
	12	28.9	57.8	86.7	
	13	26.7	53.4	80.1	
	14	24.8	49.6	74.4	
NOTES:					
1. THE INNER POST SHALL BE 6 FEET IN LENGTH.					
2. CENTROID SHALL BE DETERMINED IN ACCORDANCE WITH PCS-1.					
3. MINIMUM COLD FORMED YIELD STRENGTH SHALL BE: 14 GA. AND 12 GA. - 60 KSI 10 GA. - 55 KSI					
4. FOLLOW SIGN BRACING DETAILS (SEE SHEET 11 OF 12) FOR MAXIMUM SIGN PANEL WIDTHS AND SIGN BRACING SPACING.					
5. TABLE 2 SHALL ALSO BE USED FOR THE CITY OF EMPORIA AND COUNTIES OF GREENSVILLE, SUSSEX, AND SOUTHAMPTON IN HAMPTON ROADS DISTRICT.					
SPECIFICATION REFERENCE	A COPY OF THE ORIGINAL SEALED AND SIGNED DRAWING IS ON FILE IN THE CENTRAL OFFICE.				VDOT ROAD AND BRIDGE STANDARDS
700	SQUARE TUBE SIGN POST				REVISION DATE 01/15
	VIRGINIA DEPARTMENT OF TRANSPORTATION				SHEET 3 OF 12 1321.12

STP-1	A COPY OF THE ORIGINAL SEALED AND SIGNED DRAWING IS ON FILE IN THE CENTRAL OFFICE.		SPECIFICATION REFERENCE
		SQUARE TUBE SIGN POST FOUNDATION TYPE A DETAILS	
VDOT ROAD AND BRIDGE STANDARDS		VIRGINIA DEPARTMENT OF TRANSPORTATION	
SHEET 4 OF 12 1321.13	REVISION DATE NEW 01/15	700	

NOTES:

1. SEE 2017-06A FOR GENERAL REQUIREMENTS.
2. REFER TO VDOT STANDARD DRAWING SECTION 1321 FOR MORE INFORMATION ON GROUND MOUNTED SIGN DETAILS.

	APPROVED BY VRE	REV. NO.	DATE	BY	APP BY	DESCRIPTION	DESIGNED BY:			 Dewberry Dewberry Engineers Inc. 8401 ARLINGTON BLVD. FAIRFAX, VA 22031 PHONE: 703.849.0100 FAX: 703.849.0118	ROLLING ROAD STATION IMPROVEMENTS	IFB NO:
		0	08/14/2020			INVITATION FOR BID	KAF					021-005
							DRAWN BY:					DRAWING NO:
							KAF					A-807R
	APPROVED BY COUNTY						CHECKED BY:					SCALE:
							TCC					AS NOTED
							DATE:					SHEET NO:
							08-14-2020					48 OF 51



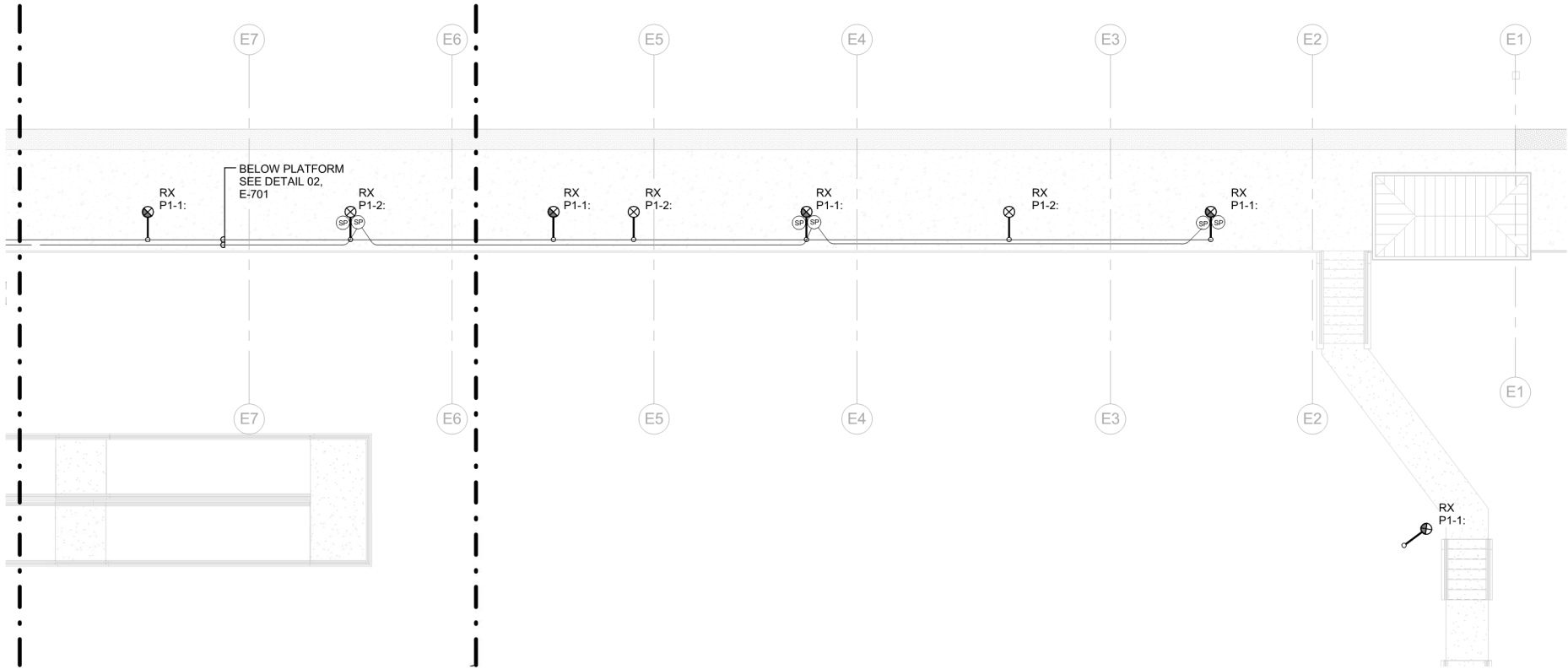
GENERAL NOTES:

1. COMMUTER ACCESS TO PLATFORM MUST BE MAINTAINED AT ALL TIMES; CONTRACTOR TO PROVIDE TEMPORARY LIGHTING AND POWER AS REQUIRED UNTIL COMPLETION.
2. ALL OTHER PLATFORM, RAMP, STAIRWAY AND CANOPY LIGHTING NOT IN THE CONSTRUCTION AREA SHALL REMAIN IN OPERATION DURING CONSTRUCTION. IF NECESSARY, REVISE EXISTING WIRING TO ACCOMMODATE.
3. ELECTRICAL CONTRACTOR SHALL COORDINATE ALL PENETRATIONS WITH GENERAL CONTRACTOR.
4. CONTRACTOR SHALL COORDINATE ANY ELECTRICAL POWER OUTAGES REQUIRED WITH VRE IN ADVANCE.
5. CONTRACTOR SHALL REUSE EXISTING CONDUIT AND CONDUCTORS EMBEDDED IN SLAB. CONTRACTOR SHALL REPLACE EXPOSED CONDUIT. CONTRACTOR SHALL PROVIDE NEW WIRING FOR ALL DEVICES, FIXTURES, AND EQUIPMENT.
6. MAINTAIN MINIMUM SPACING OF 12" BETWEEN COMMUNICATION AND ELECTRICAL CONDUIT IN SOIL AND MINIMUM SPACING OF 3" IN CONCRETE.
7. CONDUIT ROUTED BELOW GRADE SHALL BE INSTALLED AT A MINIMUM DEPTH OF 24"
8. ALL EQUIPMENT MOUNTING, CONDUIT ROUTING AND SUPPORT, DEVICE MOUNTING, AND GENERAL WORKMANSHIP SHALL COMPLY WITH NECA-1 STANDARD FOR GOOD WORKMANSHIP IN ELECTRICAL CONSTRUCTION.
9. ALL CONDUIT INSTALLED BELOW GRADE AND ATTACHED TO THE UNDERSIDE OF THE PLATFORM SHALL BE SCHEDULE 80 PVC. WHERE CONDUIT RISES ABOVE THE PLATFORM SLAB, CONDUIT SHALL TRANSITION TO GALVANIZED EMT. ALL CONDUIT FITTINGS UTILIZED SHALL BE LISTED FOR WET LOCATIONS. REFER TO DETAIL 02, E-502.
10. MOUNTING HARDWARE FOR CONDUIT SHALL BE GALVANIZED OF STAINLESS AND SHALL REMAIN UNPAINTED. WHERE GALVANIZED MATERIAL IS CUT FOR LENGTH, CONTRACTOR SHALL FIELD APPLY TWO (2) COATS OF COLD GALVANIZED ZINC. CONTRACTOR MAY PROVIDE 304 STAINLESS STEEL OR ALUMINUM CHANNEL AND ATTACHMENT HARDWARE AS AN ALTERNATIVE. LFMC SHALL BE USED WHERE FINAL CONNECTION IS MADE TO SUSPENDED FIXTURES OR EQUIPMENT.
11. REMOVE ALL EXISTING LIGHTING FIXTURES, DEVICES, BOXES, AND CONDUIT MOUNTED TO PAVILION STRUCTURE. REMOVE ALL ASSOCIATED WIRING BACK TO PANEL BOARD. INDICATE SOURCE BREAKER AS SPARE AND MARK FOR RE-USE IN NEW WORK PHASE. WHERE PVC CONDUITS PENETRATE SLAB, EXISTING PORTION OF CONDUIT THROUGH PENETRATION MAY REMAIN WHERE CONDITION ALLOWS REUSE.
12. REMOVE ALL EXISTING CIRCUITING AND CONDUIT AND BOXES MOUNTED TO THE UNDERSIDE OF PLATFORM. REMOVE CONDUIT AND CONDUCTOR TO SOURCE.
13. WHERE MOUNTING HARDWARE, FIXTURES, OR DEVICES WHERE REMOVED; INSPECT AND REPAIR PAINT ON ALL STRUCTURAL STEEL SURFACES PRIOR TO INSTALLATION OF NEW WORK. ADDITIONALLY, CLEAN AND TOUCH UP PAINT AS DIRECTED BY OWNER AND/OR CONSTRUCTION MANAGER.
14. REMOVE EXISTING PLATFORM POLE-MOUNTED LIGHTING FIXTURE AND POLE. REMOVE ALL ASSOCIATED CONDUCTORS AND CONDUIT.
15. FIXTURES AND EQUIPMENT TAGGED "RX" INDICATE EXISTING TO BE REPLACED UNDER REHABILITATION SCOPE.
16. UPON REMOVAL, LIGHTING FIXTURES AND POLES BECOME PROPERTY OF CONTRACTOR TO BE DISPOSED OF AS NECESSARY OFF-SITE.

KEYED NOTES

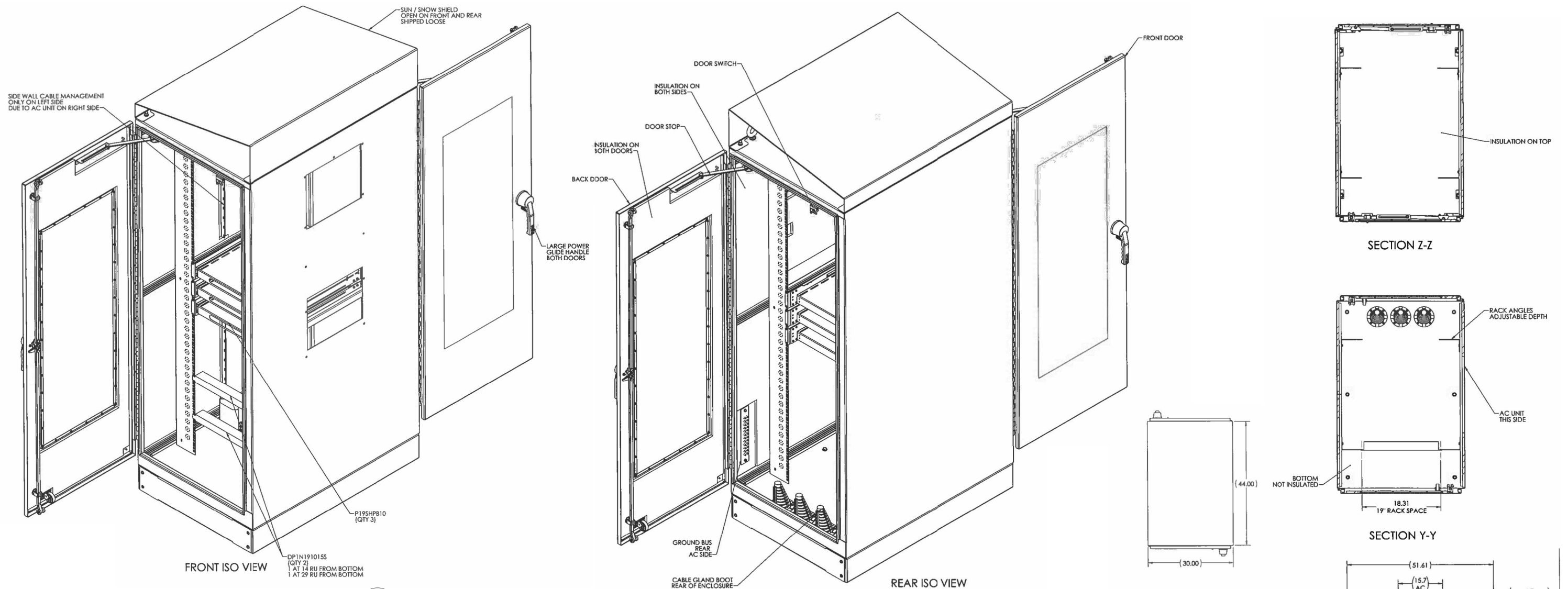
1. EXISTING PHOTOCCELL, LIGHTING RELAYS, AND SERVICE RECEPTACLES MOUNTED WITHIN CABINET ON GRADE, TO REMAIN UNLESS OTHERWISE NOTED.
2. REPLACE EXISTING PANELBOARD WITHIN EXISTING CABINET. PROVIDE NEW 42-POLE, 240/120V, 1-PHASE, 3-WIRE PANELBOARD. REFER TO SCHEDULE ON E-601 FOR FURTHER INFORMATION.
3. EXISTING EQUIPMENT TO REMAIN.
4. BETWEEN FIXTURES, ROUTE ALL NEW CONDUITS TIGHT TO UNDERSIDE OF PLATFORM. PROVIDE WATERTIGHT PENETRATIONS AND CONDUIT SEALS AT ALL VERTICAL PENETRATIONS INTO POLE BASES. SEE DETAIL 02, E-502.
5. PROVIDE HAND HOLE IN GRADE. ROUTE CONDUITS FROM HAND HOLE TO EXISTING CABINET AND BELOW GRADE TO NEW CANOPY AS INDICATED. SLOPE ALL CONDUIT SUCH THAT WATER MAY NOT COLLECT IN CONDUIT RUNS. REFER TO E-501, DETAIL 04 FOR HAND HOLE DETAIL.
6. CONDUITS FROM HAND HOLE SHALL BE ROUTED BELOW GRADE TO THIS LOCATION. TURN UP AND ROUTE ALONG UNDERSIDE OF PLATFORM.
7. NEW VMS SIGNAGE MOUNTED TO CANOPY. PROVIDE (2) JUNCTION BOXES; (1) EACH FOR POWER AND COMMUNICATIONS SERVICES AT SIGNAGE. ROUTE CONDUIT TIGHT TO STRUCTURE VERTICALLY AND HORIZONTALLY. COORDINATE EXACT LOCATION WITH OWNER CONSTRUCTION MANAGER IN FIELD. BOTTOM EDGE OF VMS SHALL BE AT 8'-0" A.F.F. REFER TO DETAIL 01, E-502. VMS EQUIPMENT FURNISHED BY OWNER.
8. REMOVE EXISTING FIXTURE AND MOUNTING CORBEL. PATCH AND REPAIR CONCRETE.
9. PROVIDE BI-DIRECTIONAL HORN LOUDSPEAKER, BOGEN BDT30A OR APPROVED EQUAL. ALL CONDUCTORS SHALL HAVE INSULATION RATED FOR 600V.
10. ROUTE (3) 1-1/4" CONDUITS UP TRACK FACE OF STRUCTURAL POST; (1) LIGHTING CIRCUIT, (1) VMS POWER CIRCUIT; (1) VMS AND SPEAKER LOW VOLTAGE/DATA. ROUTE ALL CONDUITS UP CENTER OF CANOPY ALONG STRUCTURE AND TO CENTER BEAM AS SHOWN ON DETAIL 01, E-502.
11. FIXTURE AND CANOPY REMOVED UNDER NEW PLATFORM EXTENSION. SEE DRAWING E-112.
12. PROVIDE NEW LIGHTING CONTACTORS FOR NORMAL AND SECURITY LIGHTING. REFER TO DETAILS 5, 6, 7 ON DRAWING E-501.
13. EXISTING POWER, AV, AND TELECOMMUNICATIONS EQUIPMENT.
14. PROVIDE NEW FIXTURE AND POLE AT POSITION VACATED BY DEMOLITION OF EXISTING LIGHTING FIXTURE AND POLE. COORDINATE DRILLING AND PATCHING FOR POLE BOLT PATTERN MODIFICATIONS. PATCH ANY EXISTING BOLT HOLES WHICH ARE UNUSED BY NEW POLE.
15. PROVIDE NEW FIXTURE AT POSITION VACATED BY DEMOLITION OF EXISTING LIGHTING FIXTURE. PATCH ANY EXISTING BOLT HOLES WHICH ARE UNUSED BY NEW POLE.
16. SECURITY CAMERA LOCATION. CAMERA PROVIDED BY OWNER. CONTRACTOR SHALL PROVIDE CONDUIT TO CAMERA LOCATION. COORDINATE LOCATION WITH OWNER CONSTRUCTION MANAGER IN FIELD. PROVIDE "BULLET CAMERA JUNCTION BOX H4-BO-JBOX1" AS BASIS OF DESIGN COORDINATE BOX WITH OWNER AT THE TIME OF INSTALL.

1 POWER- PLATFORM REHABILITATION PLAN A
Scale: 1/8" = 1'-0"



2 POWER - PLATFORM REHABILITATION PLAN B
Scale: 1/8" = 1'-0"

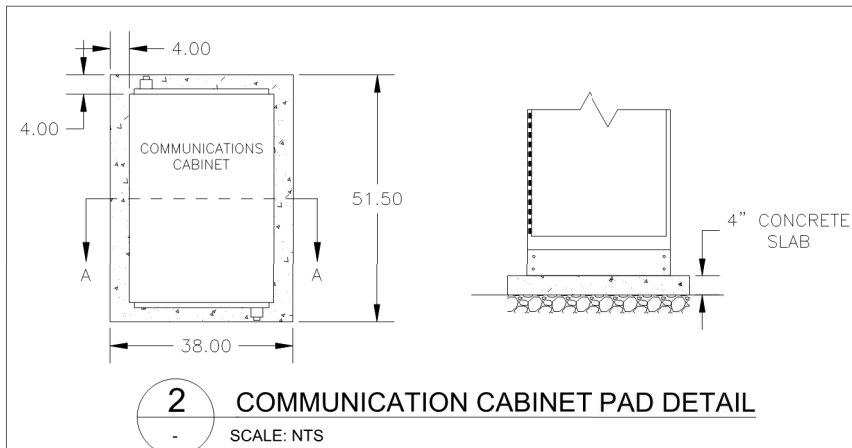
APPROVED BY VRE	REV NO.	DATE	BY	APP BY	DESCRIPTION	DESIGNED BY:				Dewberry Engineers Inc. 8401 ARLINGTON BLVE. FAIRFAX, VA 22031 703.849.0100 (PHONE) 703.849.0518 (FAX)	ROLLING ROAD STATION IMPROVEMENTS		IFB NO:	021-005
	0	08/14/2020			INVITATION FOR BID	DRW							DRAWING NO.	E-112-R
						EAH							SCALE:	AS NOTED
	APPROVED BY COUNTY					RJH					PLATFORM - ELECTRICAL REHABILITATION PLAN		SHEET NO.	50 OF 51
						DATE								
						08/14/2020								






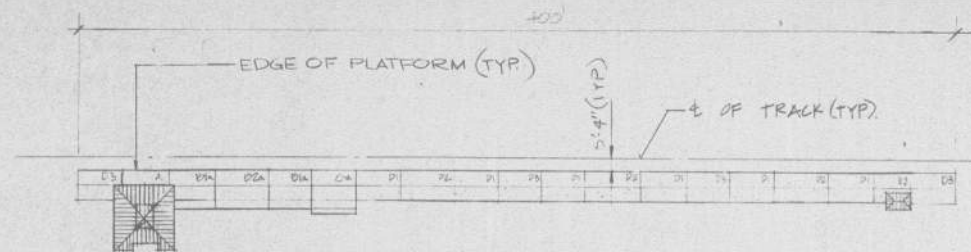
1 COMMUNICATION CABINET DETAIL
SCALE: NTS

NOTES:

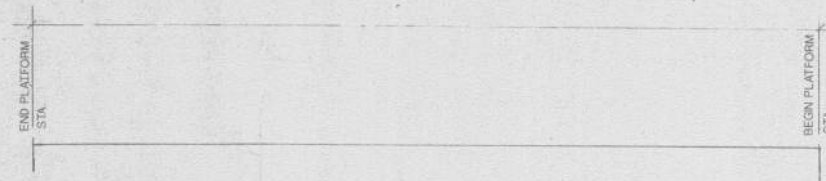
1. NEW COMMUNICATION CABINET TO BE PROVIDED BY VRE.
2. CONTRACTOR SHALL RUN NEW CONDUIT, INSTALL PAD, AND MOUNT NEW CABINET.
3. TRANSFER OF COMMUNICATION EQUIPMENT FROM EXISTING TO NEW CABINET TO BE BY VRE FORCES.



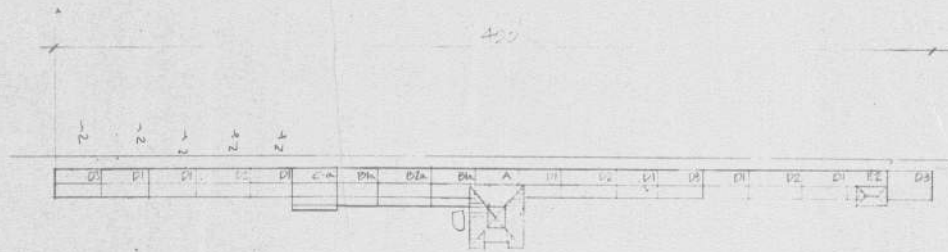
	APPROVED BY VRE	REV.NO.	DATE	BY	APP BY	DESCRIPTION	DESIGNED BY:	   <p>Dewberry Engineers Inc. 8401 ARLINGTON BLVD. FAIRFAX, VA 22031 PHONE: 703.849.0100 FAX: 703.849.0118</p>	ROLLING ROAD STATION IMPROVEMENTS COMMUNICATIONS REHABILITATION DETAILS	IFB NO:	021-005
		0	08/14/2020			INVITATION FOR BID	DRAWN BY:			DRAWING NO:	E-113R
	APPROVED BY COUNTY						CHECKED BY:			SCALE:	AS NOTED
							DATE:			SHEET NO:	51 OF 51



BROAD RUN STATION (Entrance Ramp Details See A36)



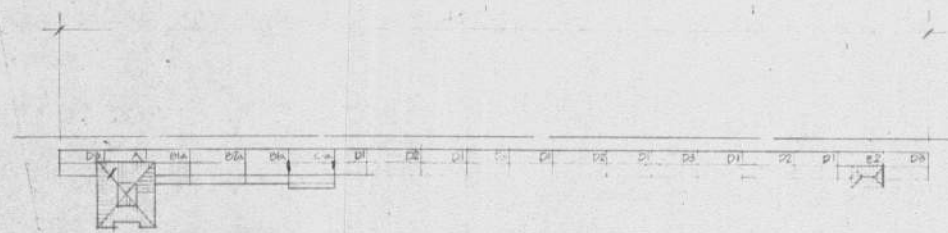
MANASSAS (Existing) (Not in Contract #1)



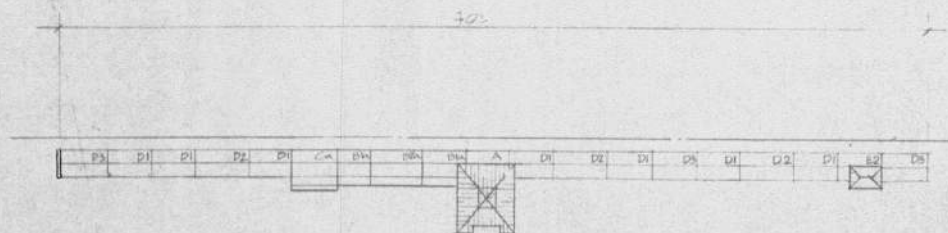
MANASSAS PARK STATION (Curved Platform Details See A33)
(Entrance Ramp Details See A40, A41)



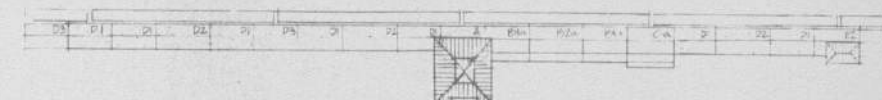
FAIRFAX STATION (Not in Contract)



BURKE CENTRE STATION (Entrance Ramp Details See A40, A41)



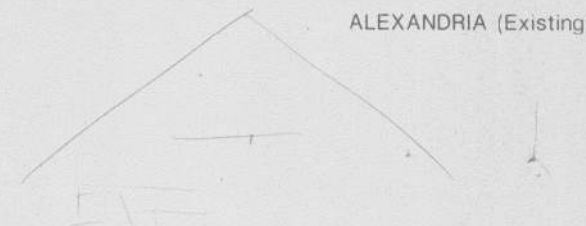
ROLLING ROAD STATION (Entrance Ramp Details See - A40, A41)



BACKLICK ROAD STATION (Curved Platform Details See A32)
(Entrance Ramp Details See A36, A37)



ALEXANDRIA (Existing) (Not in Contract #1)



L'ENFANT STATION (L'Enfant Station Dwgs. See A54-A64)

Note: All canopy, railings and other steel components only are in contract. Platform deck, beams, piers, retaining walls, stairs, walks, and ramps are not in Contract #1.

NOTES:

- C-a - C PLATFORM (SEE 1/A10) WITHOUT CANOPY & WINDSCREEN BUT WITH HANDRAIL (SEE 1/A22 & 13/A22) WITH TWO LIGHT POSTS & BENCH (SEE 2/A12 (SYM)) AND ELECTRICAL PLANS.
- B1-a - B1 PLATFORM (SEE 1/A8) WITHOUT CANOPY AND WITH HANDRAIL (SEE 1/A22) AND ONE LIGHT POLE (SEE 7/A12 (SYM)) AND ELECTRICAL PLANS.
- B2-a - B2 PLATFORM (SEE 1/A8) WITHOUT CANOPY AND WITH HANDRAIL (SEE 2/A22) AND ONE LIGHT POLE (SEE 6/A12 (SYM)) AND ELECTRICAL PLANS.

UNION STATION (Existing - Not in Contract)

NORFOLK / SOUTHERN RAILWAY -

CONFORMED 5/24/91

(7 STATIONS)

CONFORMED

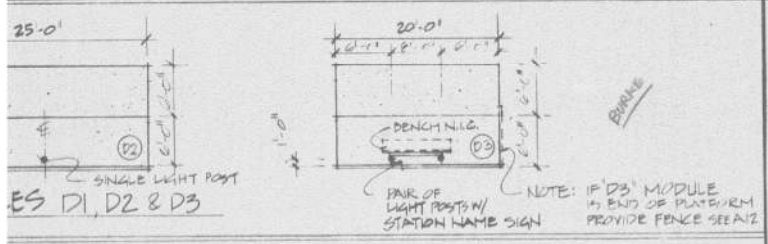
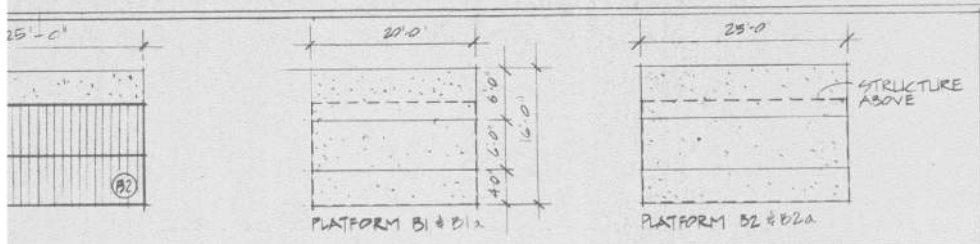
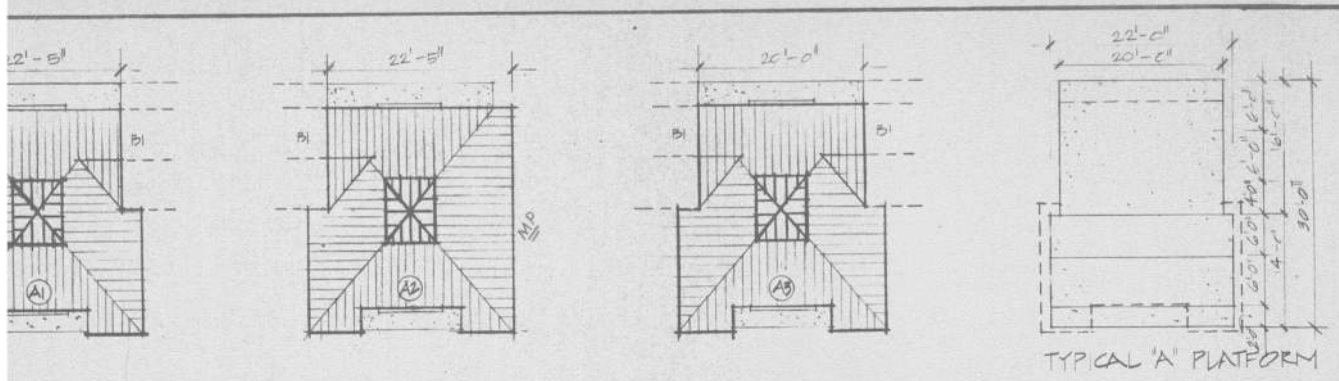
DESIGNED:					
DRAWN:					
CHECKED:					
APPROVED:	No.	DATE	DESCRIPTION	BY	

STV/SEELYE STEVENSON VALUE & KNECHT
in association with
DMJM Daniel, Mann, Johnson & Mendenhall
CHI-UDE ASSOCIATES, INC.

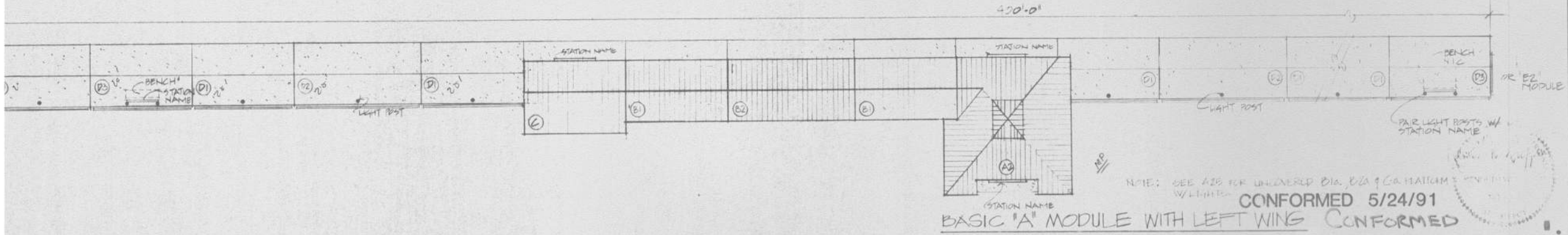
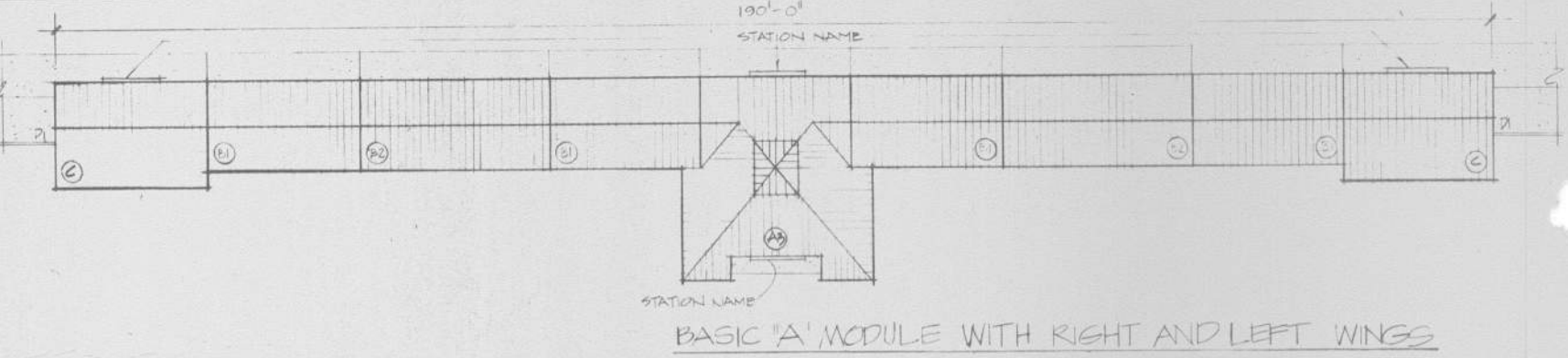
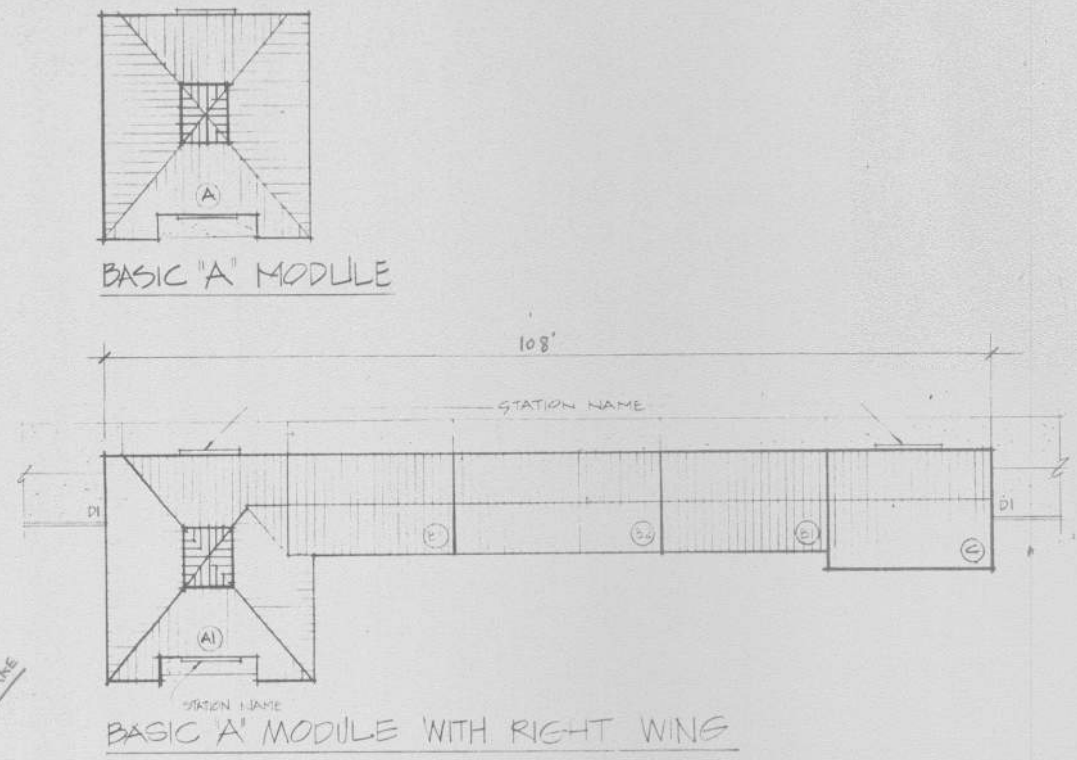


VIRGINIA RAILWAY EXPRESS
NVTG/PRIC
SCALE: 1"=40'-0" DATE: FEB 25, 1991
NORFOLK/SOUTHERN RAILWAY
STATION CONFIGURATIONS

CONTRACT No.	1
DRAWING No.	A2
SHEET No.	4



MODULES



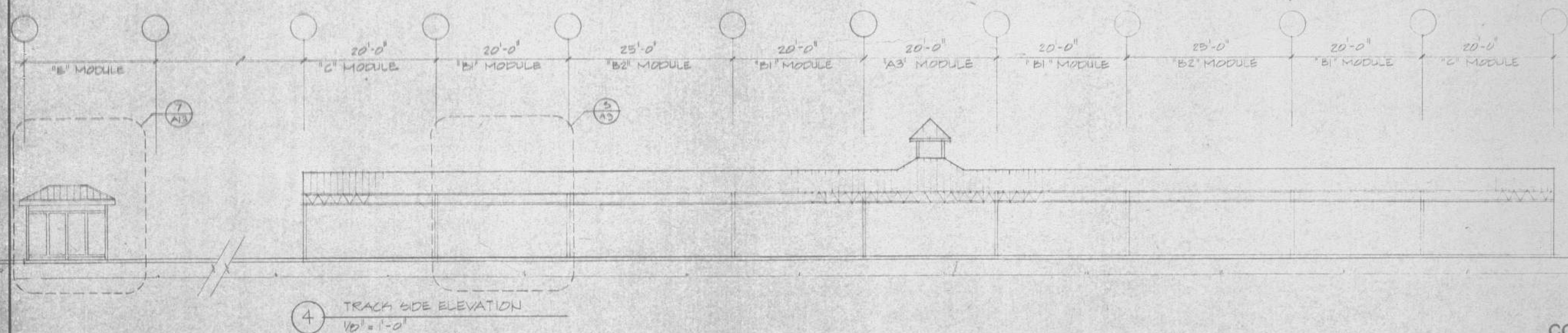
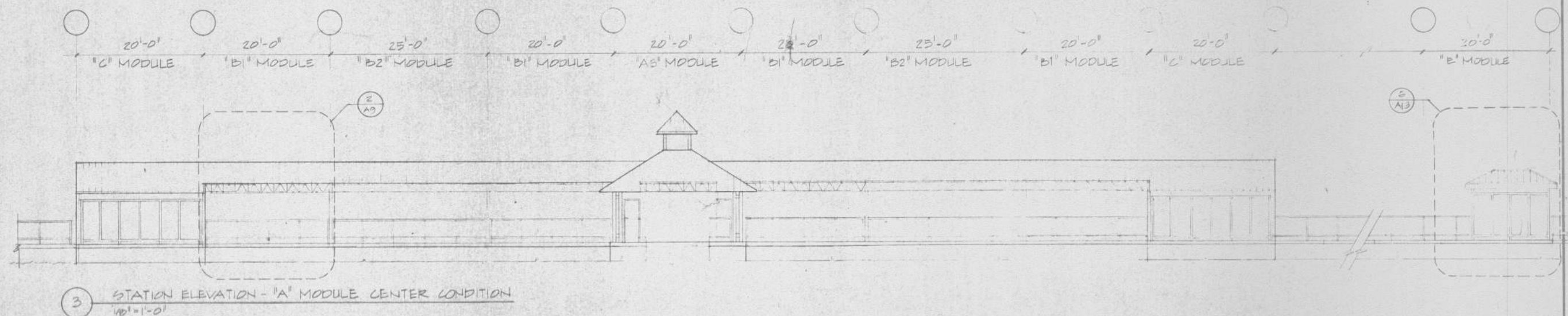
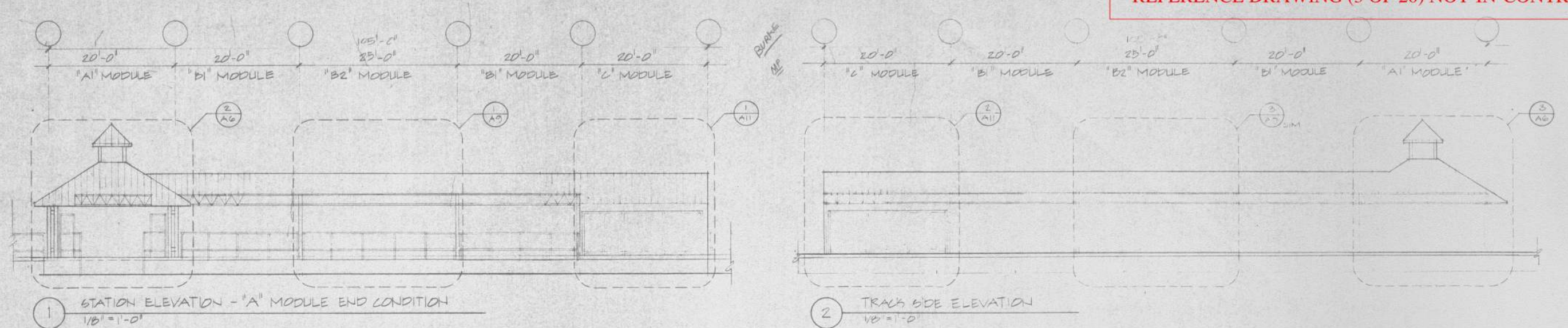
DESIGNED:					
DRAWN:					
CHECKED:					
APPROVED:					

STV/SEELYE STEVENSON VALUE & KNECHT
in association with
DMJM Daniel, Mann, Johnson & Mendenhall
CHI-UDE ASSOCIATES, INC.



VIRGINIA RAILWAY EXPRESS
NVTC/PRTC
SCALE: 3/8" = 1'-0"
DATE: 5/24/91
MODULES "A" - "E" PLANS
TYPICAL STATION ASSEMBLAGES

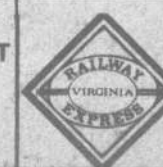
CONTRACT No.	1
DRAWING No.	AB
SHEET No.	5



CONFORMED 5/24/91

DESIGNED:				
DRAWN:				
CHECKED:				
APPROVED:				

STV/SEELYE STEVENSON VALUE & KNECHT
in association with
DMJM Daniel, Mann, Johnson & Mendenhall
CHI-UDE ASSOCIATES, INC.



VIRGINIA RAILWAY EXPRESS
NVTC/PRTC
SCALE 1/8" = 1'-0" DATE
TYPICAL STATION ASSEMBLAGES ELEVATIONS

CONTRACT No. 1
DRAWING No. A4
SHEET No. 6

STATION COMPONENTS

REFERENCE DRAWING (4 OF 20) NOT-IN-CONTRACT

STATION NAMES		STATUS	NUMBER OF MODULES																N.I.C. EQUIPMENT				LIGHT FIXTURES				
RF & P RAILWAY			A	A1	A2	A3	B1	B2	C	CH	D1	D2	D3	E1	E2	B1a	B2a	Ca	FARE VENDING MACHINES ^(A)	BENCHES ^(B) 4'	WASTE ^(C) RECEPT	HANDICAP LIFTS ^(D)	UP LIGHT	LT POST	DC STR POST		
	SPOTSYLVANIA	N.I.C.	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-	-	-		PROPOSED FUTURE STATION	
o	FREDERICKSBURG	EXIST.	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-	-	-			
•	LEELAND ROAD		1	-	-	-	-	-	-	-	7	3	3	-	1	2	1	1									
•	BROOKE		1	-	-	-	-	-	-	-	6	3	4	-	1	2	1	1									
	ARKENDALE	N.I.C.	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-	-	-		PROPOSED FUTURE STATION	
o	QUANTICO	EXIST.	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-	-	-			
	CHERRY HILL	N.I.C.	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-	-	-		PROPOSED FUTURE STATION	
•	RIPPON		-	-	-	-	-	1	-	-	7	3	3	-	1	2	-	2									
•	WOODBIDGE		-	-	-	-	-	-	-	-	5	2	2	-	1	5	2	2									
•	LORTON		1	-	-	-	-	-	-	-	7	3	3	-	1	2	1	1									
	FRANCONIA-SPRINGFIELD		-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-	-	-		TO BE BUILT BY OTHERS	
	SUB-TOTAL		3	-	-	-	-	1	-	-	22	14	15	-	5	13	5	7									
NORFOLK/SOUTHERN RAILWAY																											
•	BROAD RUN		1	-	-	-	-	-	-	-	6	3	4	-	1	2	1	1									
o	MANASSAS	EXIST.	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-	-	-			
•	MANASSAS PARK		1	-	-	-	-	-	-	-	7	3	3	-	1	2	1	1									
	FAIRFAX	N.I.C.	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-	-	-		PROPOSED FUTURE STATION	
•	BURKE CENTRE		1	-	-	-	-	-	-	-	6	3	4	-	1	2	1	1									
•	ROLLING ROAD		1	-	-	-	-	-	-	-	7	3	3	-	1	2	1	1									
•	BACKLICK ROAD		1	-	-	-	-	-	-	-	7	3	3	-	1	2	1	1									
o	ALEXANDRIA	EXIST.	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-	-	-			
•	CRYSTAL CITY		1	-	-	-	-	-	-	-	6	3	4	-	1	2	1	1									
•	L'ENFANT		2	-	-	-	-	-	-	-	1	2	2	-	-	9	5	2									
o	UNION STATION	N.I.C.	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-	-	-			
	SUB-TOTAL		8	-	-	-	-	-	-	-	42	19	23	1	5	21	11	8									
TOTAL (NORFOLK/SOUTHERN & RF&P LINES)			11	-	-	-	-	1	-	-	74	33	38	1	10	34	16	15									

NOTES:

C-a (ALTERNATE) - C PLATFORM (SEE 1/A10) WITHOUT CANOPY & WINDSCREEN BUT WITH HANDRAIL (SEE 1/A22 & 13/A22) WITH TWO LIGHT POSTS & BENCH (SEE 2/A12 (SIM)) AND ELECTRICAL PLANS.

B1-a (ALTERNATE) - B1 PLATFORM (SEE 1/A8) WITHOUT CANOPY AND WITH HANDRAIL (SEE 1/A22) AND ONE LIGHT POLE (SEE 7/A12 (SIM)) AND ELECTRICAL PLANS.

B2-a (ALTERNATE) - B2 PLATFORM (SEE 1/A8) WITHOUT CANOPY AND WITH HANDRAIL (SEE 2/A22) AND ONE LIGHT POLE (SEE 6/A12 (SIM)) AND ELECTRICAL PLANS.

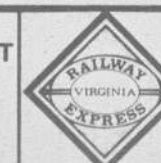
NOTES:

- A TYPICAL STATION SHALL HAVE TWO FARE VENDING MACHINES AND TWO TICKET VALIDATION MACHINES AND TWO SYSTEM INFORMATION BOARDS. THE FVMS AND TVMS ARE N.C.
- ONE 4' BENCH IN EA "E" MODULE, ONE 3' BENCH IN EA "C" MODULE AND ONE 3' BENCH IN EA "D3" MODULE.
- ONE HANDICAP LIFT PER STATION. LOCATE LIFT IN "E" MODULE. IF NO "E" MODULE LOCATE LIFT IN "CH" MODULE.
- SEE ELECTRICAL DRAWINGS FOR EXACT FIXTURE QUANTITY.
- INCLUDE TWO TUBULE PIPES FOR ALL TYPE "A" MODULES.
- FOR "A" MODULE LAYOUT SEE SHEET A5.

CONFORMED 5/24/91
CONFORMED

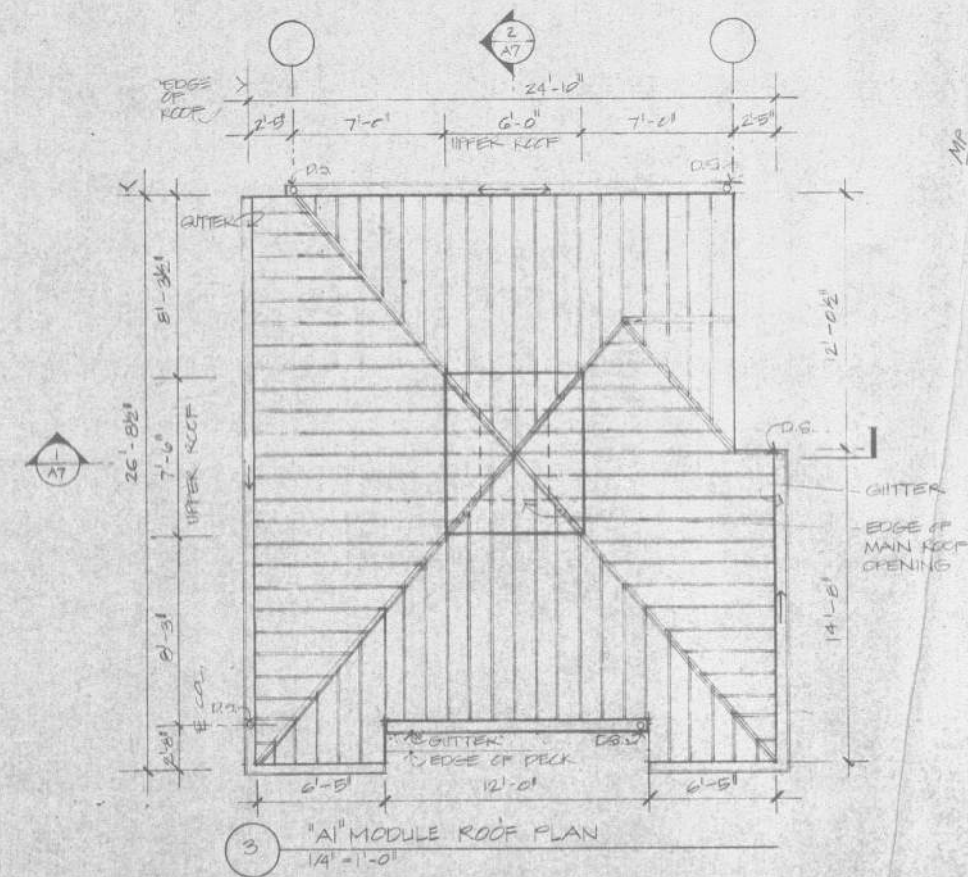
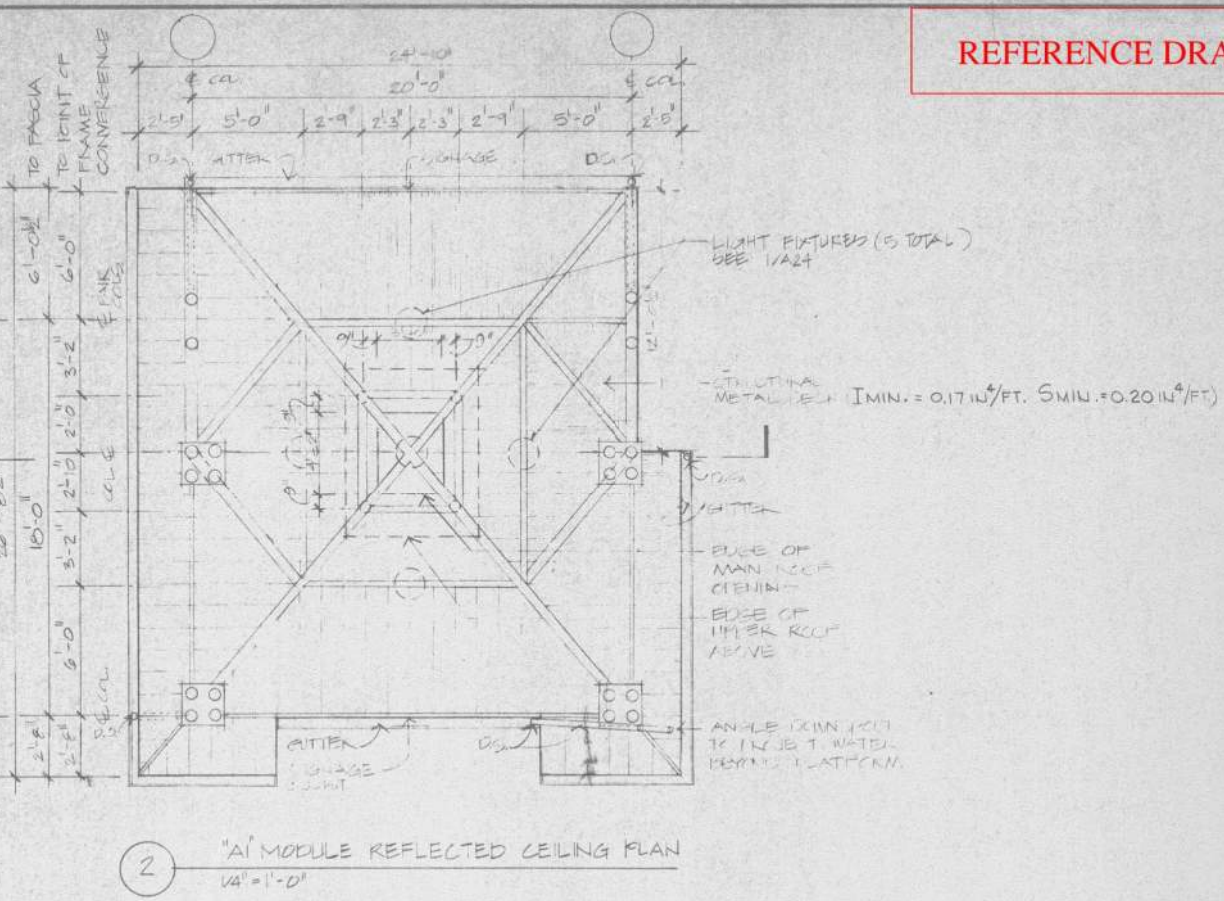
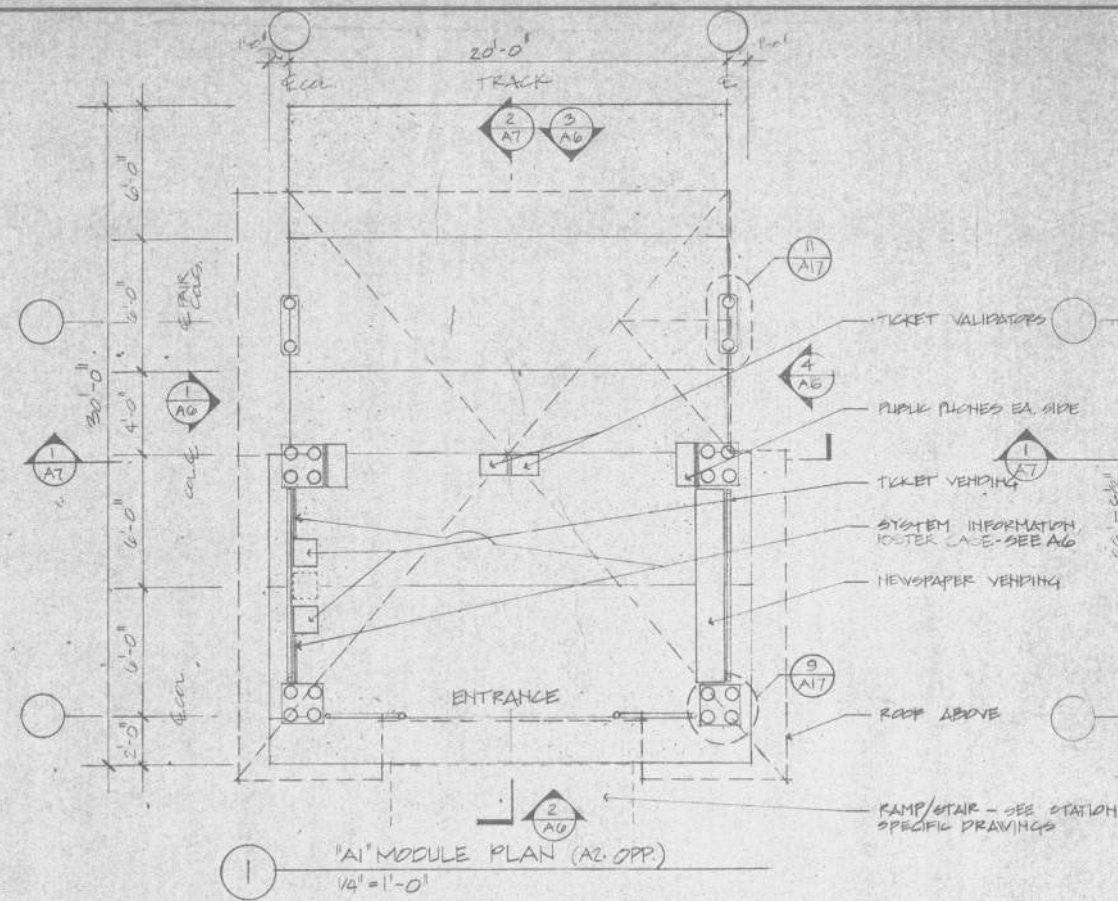
DESIGNED:				
DRAWN:				
CHECKED:				
APPROVED:	No.	DATE	DESCRIPTION	BY

STV/SEELYE STEVENSON VALUE & KNECHT
in association with
DMJM Daniel, Mann, Johnson & Mendenhall
CHI-UDE ASSOCIATES, INC.



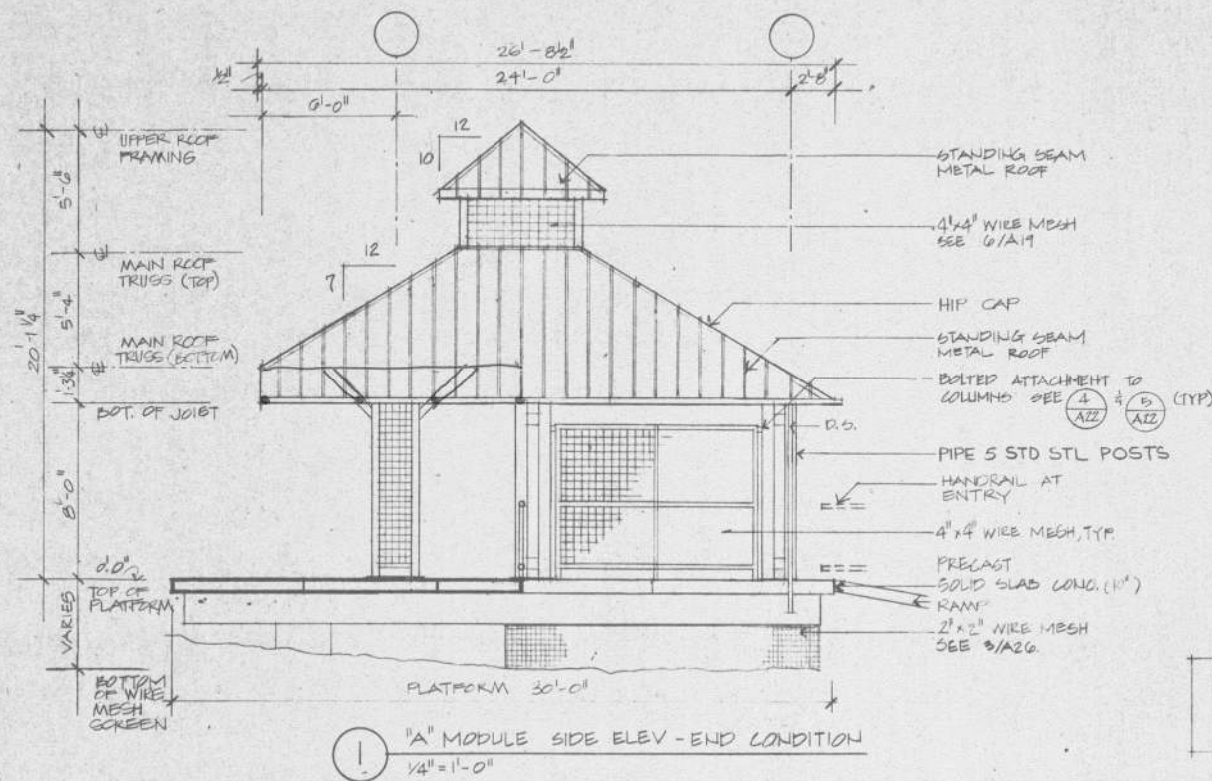
VIRGINIA RAILWAY EXPRESS
NVTC/PRTC
SCALE: DATE: FEB 25 1991
STATION COMPONENTS CHART

CONTRACT No.	1
DRAWING No.	A-4A
SHEET No.	7

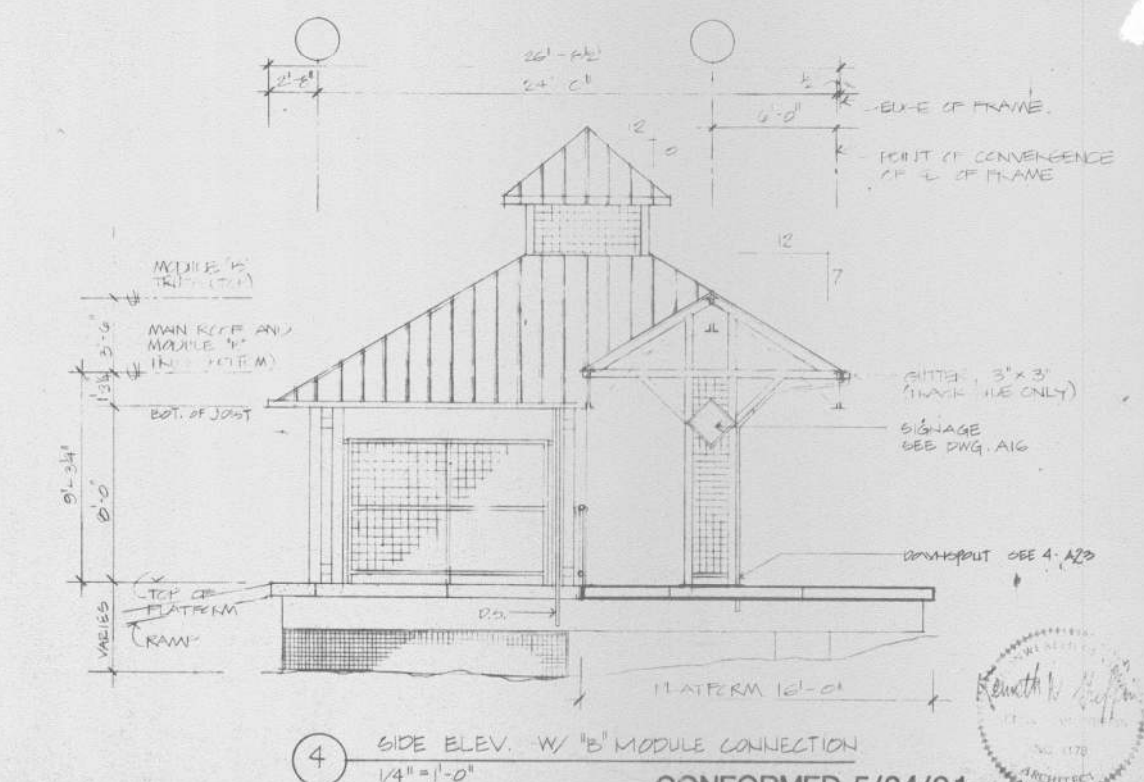
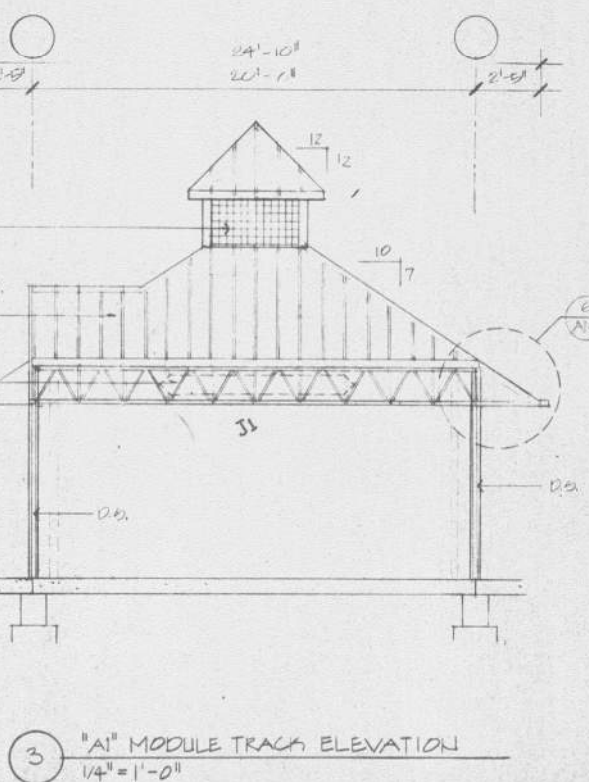
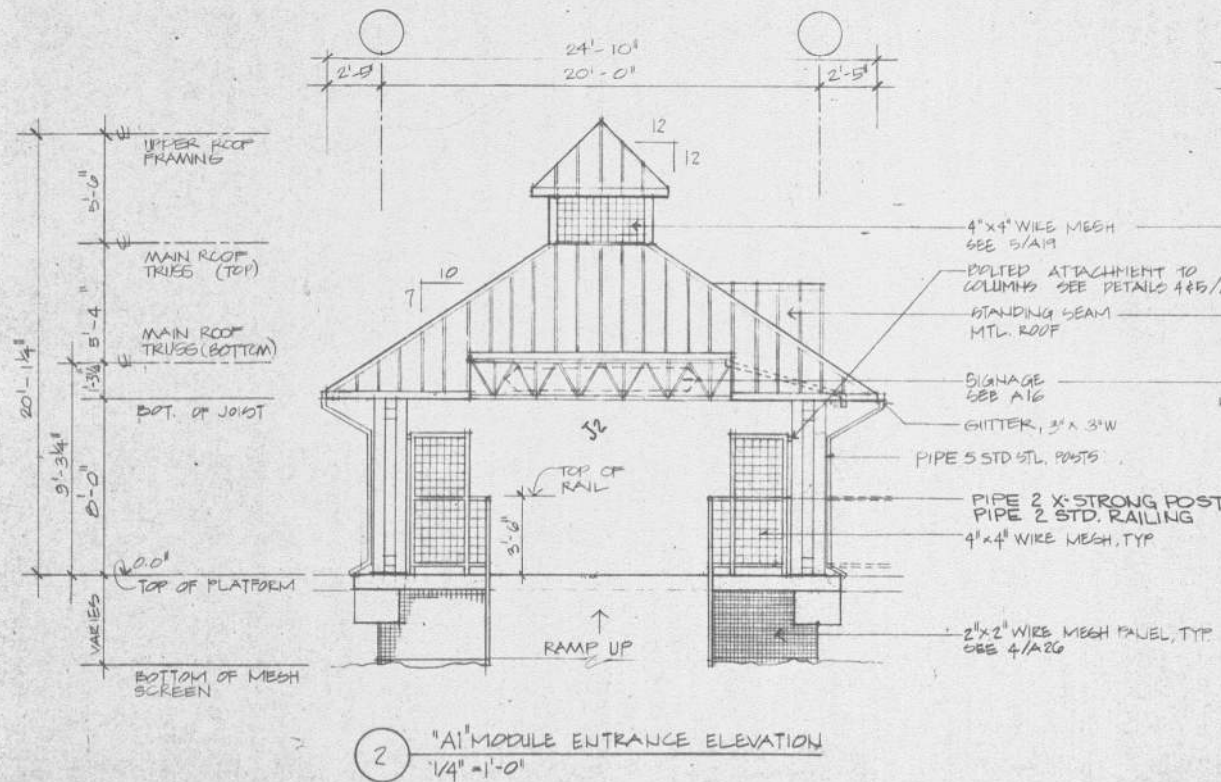


CONFORMED 5/24/91 KEY PLAN

DESIGNED						 STV/SEELYE STEVENSON VALUE & KNECHT in association with DMJM Daniel, Mann, Johnson & Mendenhall CHI-UDE ASSOCIATES, INC.		VIRGINIA RAILWAY EXPRESS		CONTRACT No.
DRAWN								NVTC/PTC		DRAWING No.
CHECKED								SCALE: 1/4" = 1'-0"		DATE
APPROVED								"A" MODULE PLANS		SHEET No.

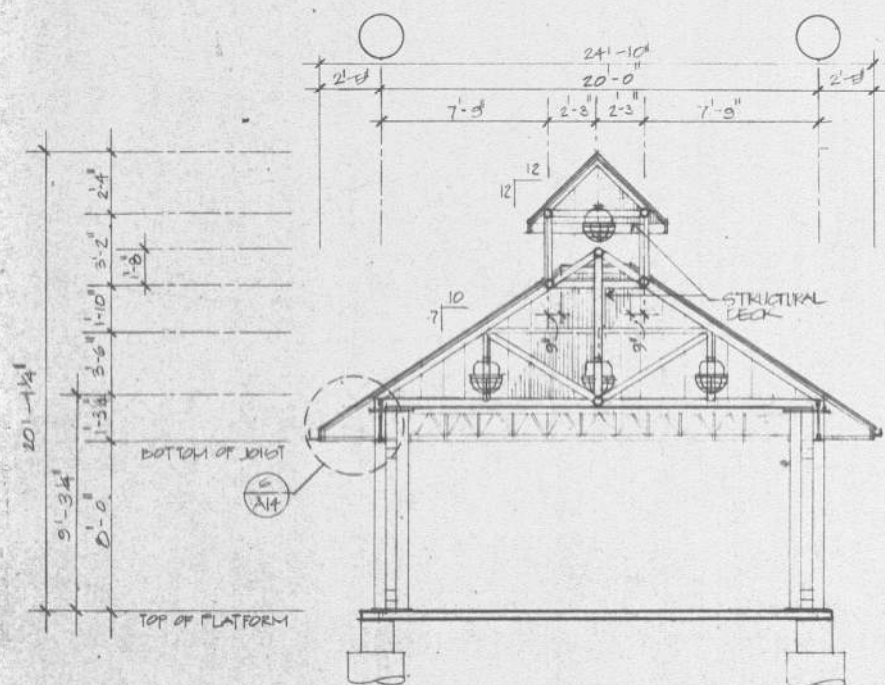


NOTE: ALL RAMPING/STAIR TO THE "A" MODULE ARE SITE SPECIFIC SEE STATION SPECIFIC DWGS.

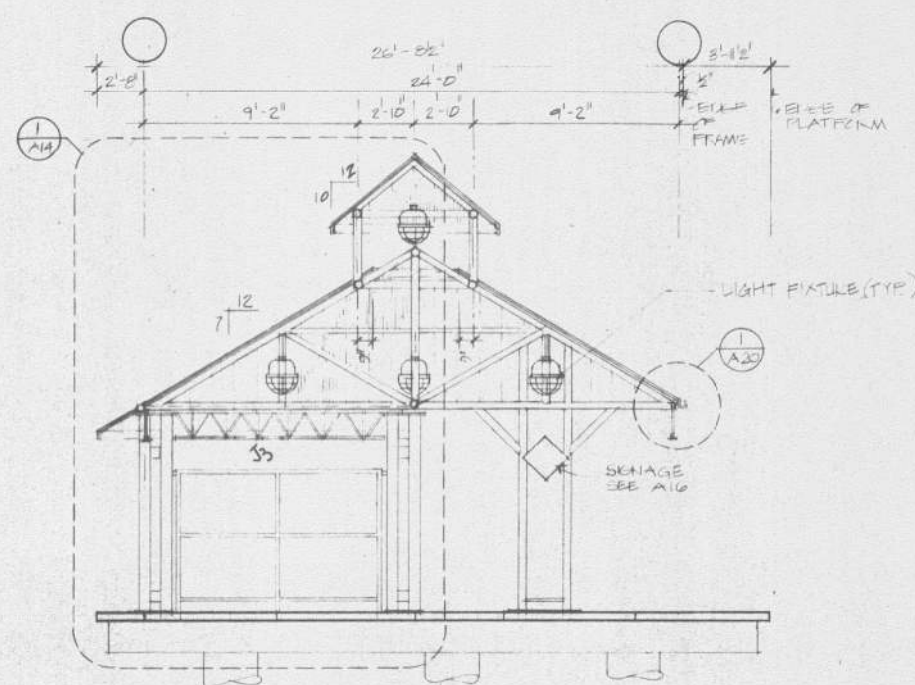


CONFORMED 5/24/91

DESIGNED:		STV/SEELYE STEVENSON VALUE & KNECHT		VIRGINIA RAILWAY EXPRESS	CONTRACT NO.
DRAWN:		DMJM Daniel, Mann, Johnson & Mendenhall		NVTC/PRTC	DRAWING NO.
CHECKED:		CHI-UDE ASSOCIATES, INC.		SCALE: 1/4" = 1'-0"	DATE: FEB 25 1991
APPROVED:				'A' MODULE ELEVATIONS	SHEET NO. 1



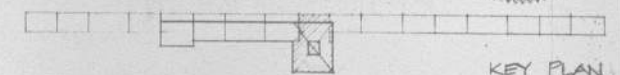
1 "A" MODULE SECTION
1/4" = 1'-0"




2 "A" MODULE SECTION (LONGITUDINAL)
1/4" = 1'-0"

NOTE: SEE A20 FOR TYPICAL PLATFORM STRUCTURAL DETAILS.

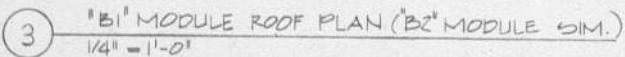
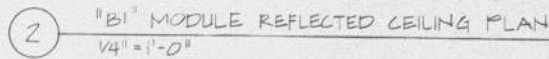
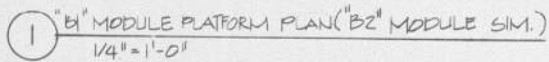
CONFORMED 5/24/91



KEY PLAN

DESIGNED:							VIRGINIA RAILWAY EXPRESS		CONTRACT No.	1
DRAWN:							NVTC/PRTC		DRAWING No.	A7
CHECKED:							SCALE: 1/4" = 1'-0"	DATE: FEB. 25, 1992		
APPROVED:	By	DATE	DESCRIPTION	BY			"A" MODULE SECTIONS		SHEET No.	10

	STV/SEELYE STEVENSON VALUE & KNECHT
	<i>in association with</i>
DMJM	Daniel, Mann, Johnson & Mendenhall
	CHI-UDE ASSOCIATES, INC.



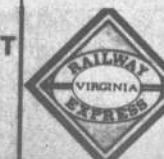
3. WHERE THERE ARE BASE PLATES TO BE INSTALLED ON THE SLAB THE CORES SHALL BE GROUTED FOR A MINIMUM LENGTH OF 12" WITH CLASS 4000 CONCRETE. INSIDE FACE OF CORES SHALL BE COATED WITH PROPER EPOXY PRIOR TO GROUTING.
4. THE END OF HOLLOW CORE SLAB WHEN EXPOSED TO PUBLIC VIEW, SHALL BE COVERED WITH 2" TOPPING AND REINFORCED WITH 6x5-W14 x W14 WWF.

CONFORMED 5/24/91

KEY PLAN

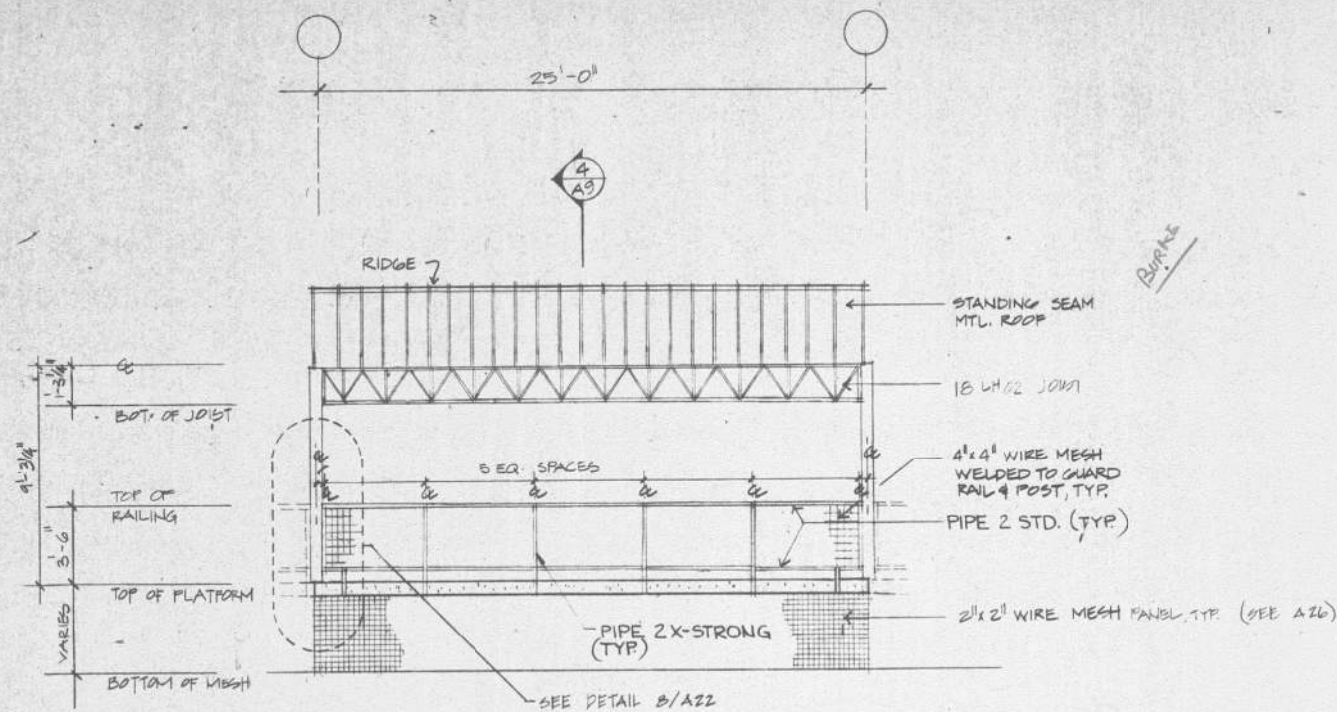
DESIGNED:				
DRAWN:				
CHECKED:				
APPROVED:	No.	DATE	DESCRIPTION	BY

STV/SEELYE STEVENSON VALUE & KNECHT
in association with
DMJM Daniel, Mann, Johnson & Mendenhall
CHI-UDE ASSOCIATES, INC.



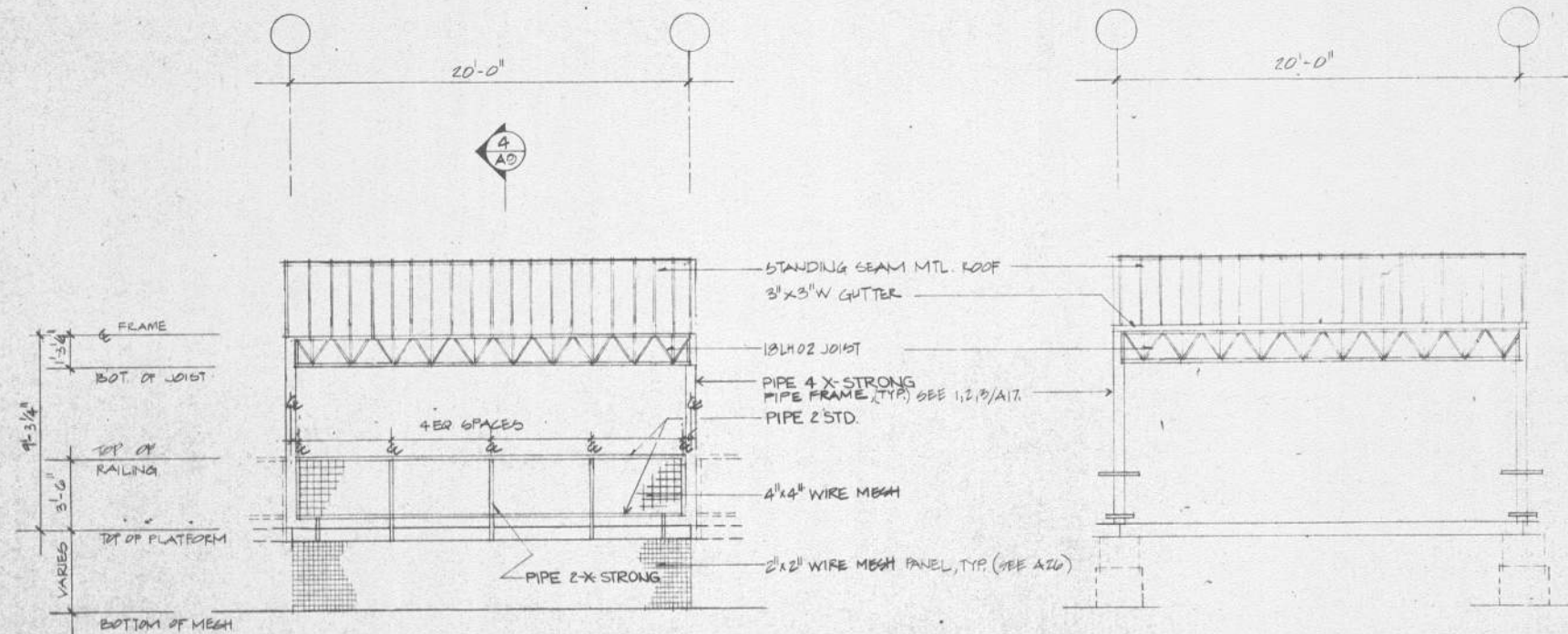
VIRGINIA RAILWAY EXPRESS
NVTC/PRTC
SCALE: 1/8" = 1'-0" DATE: FEB 25 1964
'B' MODULE PLANS

CONTRACT No. 1
DRAWING No. AS
SHEET No. 11



1 "B2" MODULE BACK ELEV.
1/4" = 1'-0"

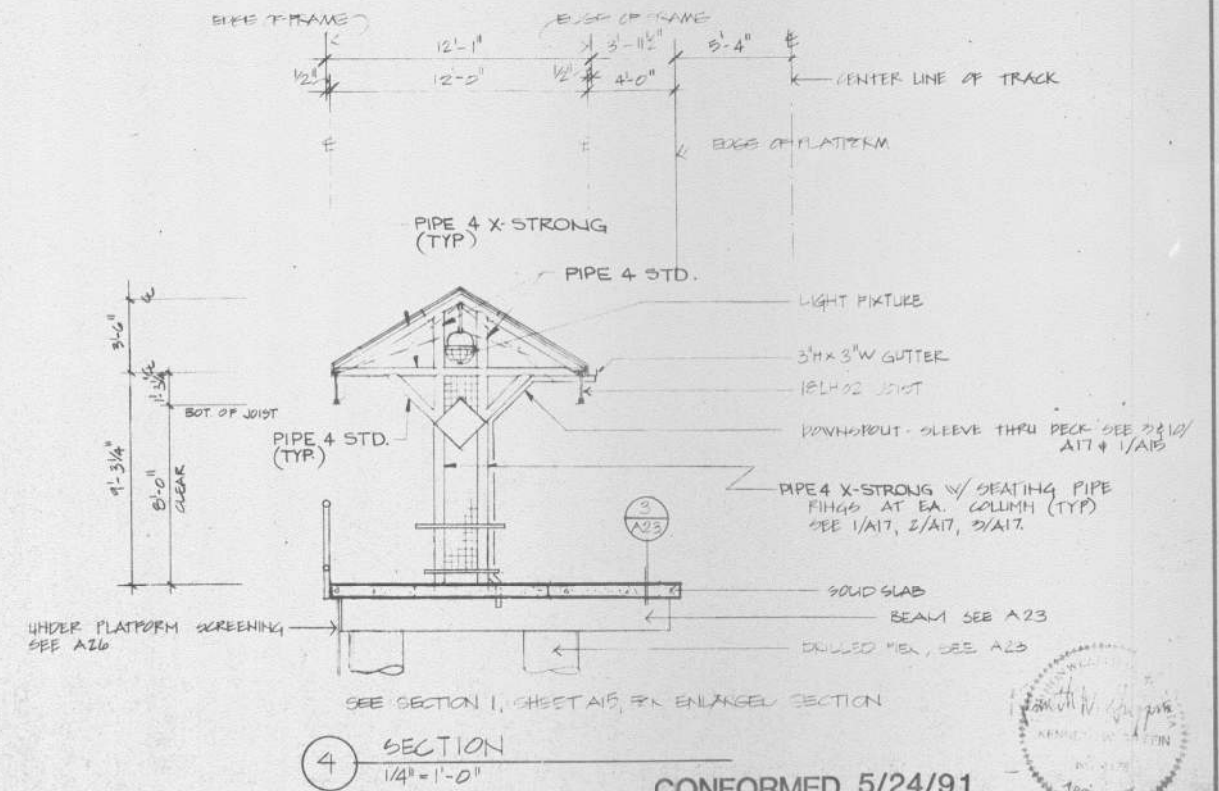
NOTE: SEE 2/A22 FOR DIMENSIONS OF RAILING



2 "B1" MODULE BACK ELEV.
1/4" = 1'-0"

NOTE: SEE 1/A22 FOR DIMENSIONS OF RAILING

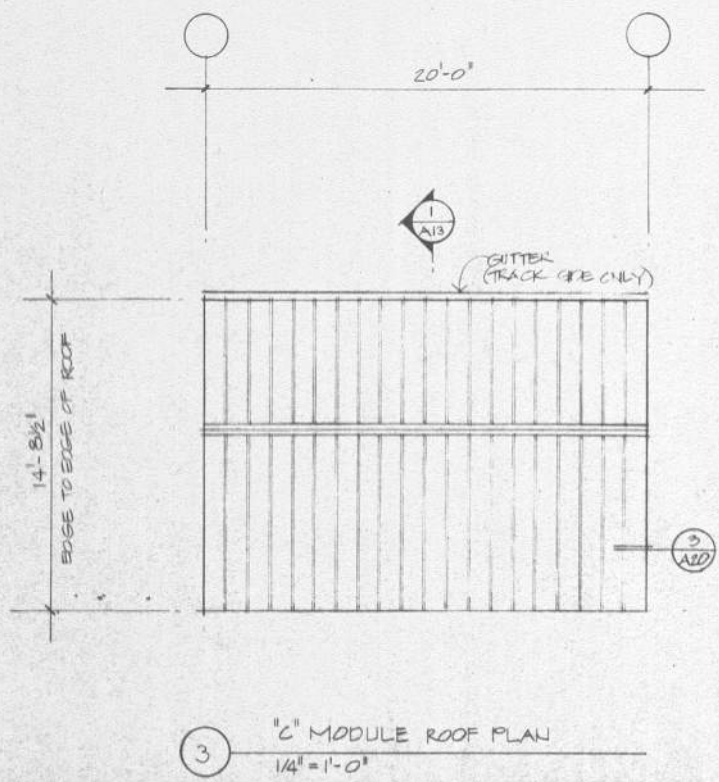
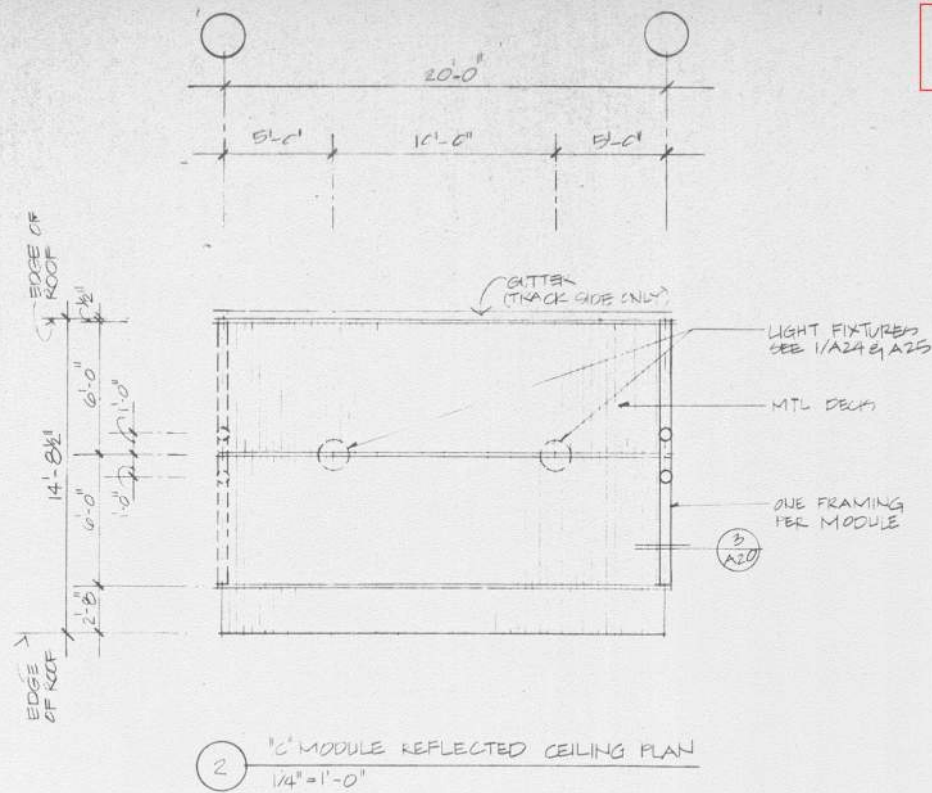
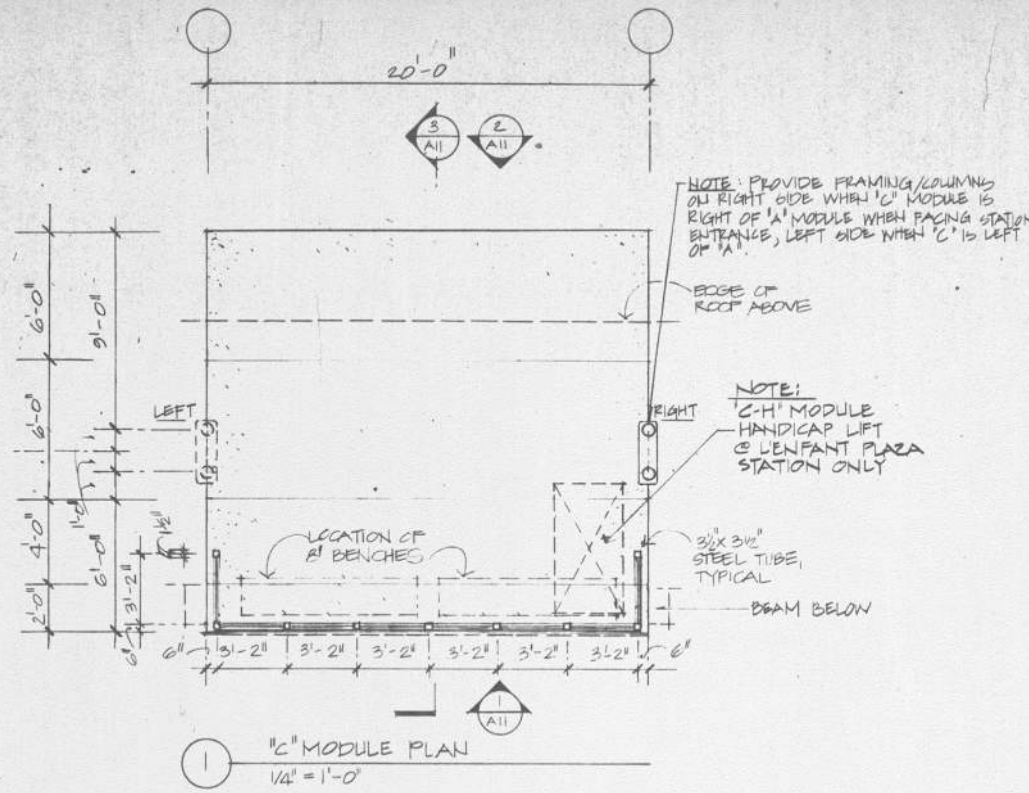
3 "B1" MODULE TRACK SIDE ELEV.
1/4" = 1'-0"



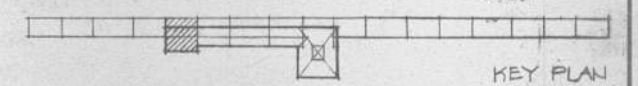
CONFORMED 5/24/91



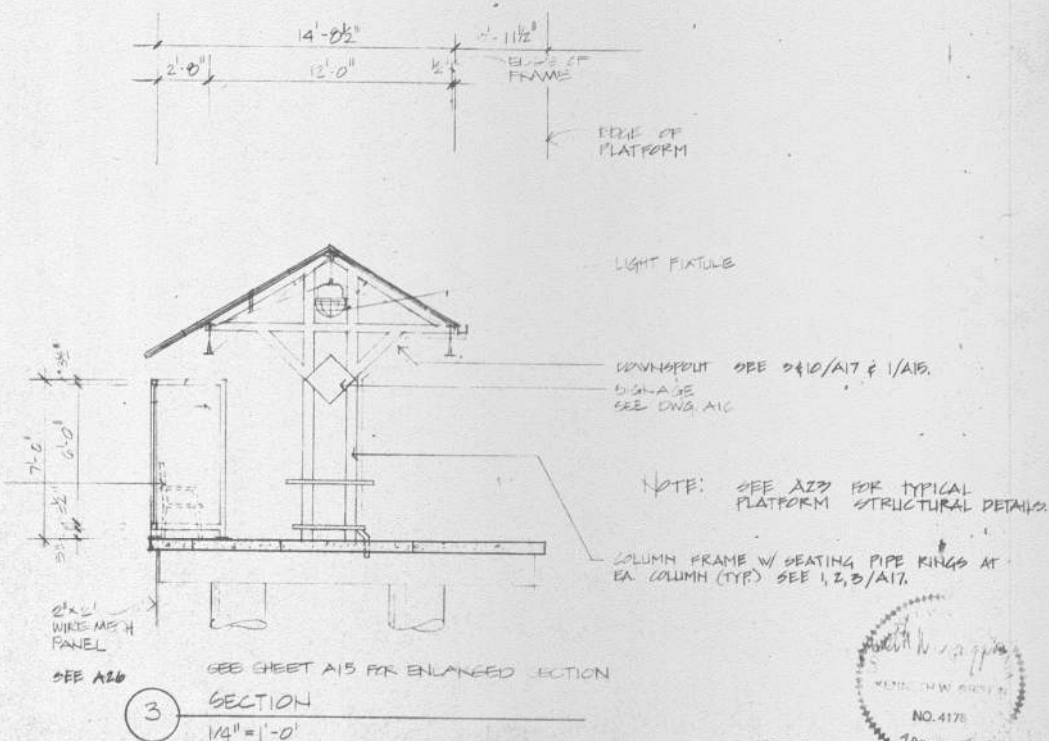
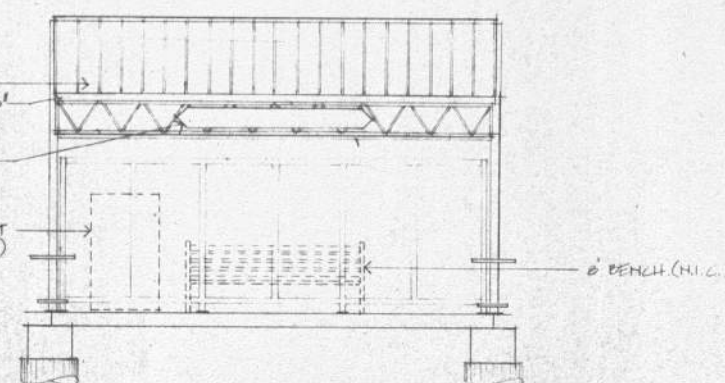
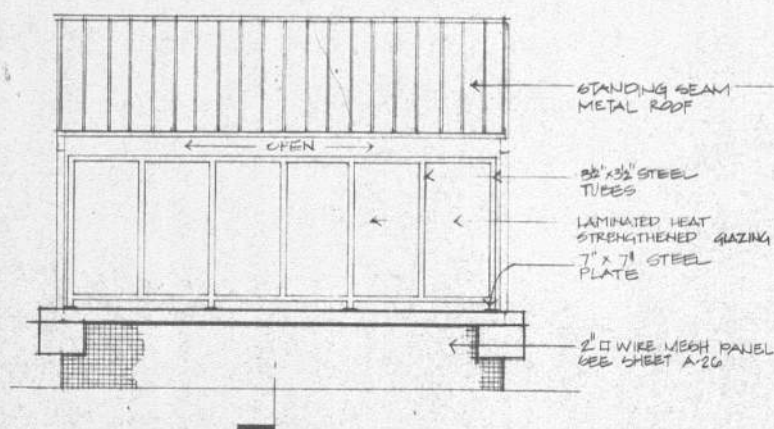
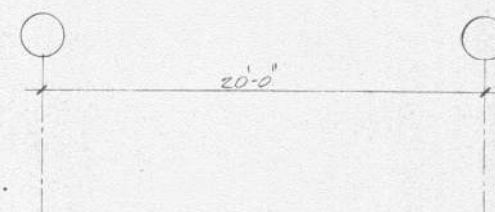
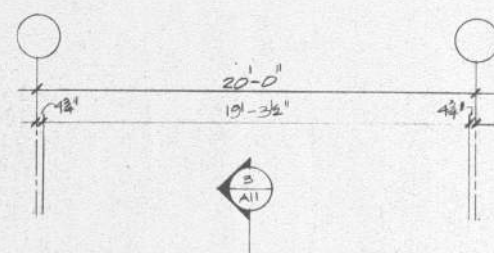
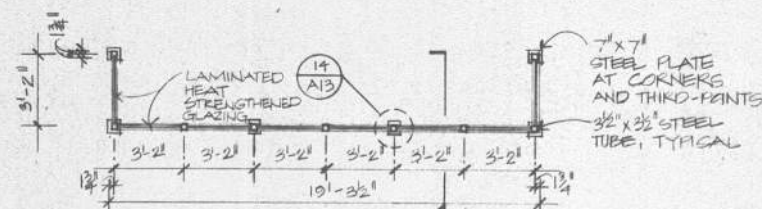
DESIGNED:		STV/SEELYE STEVENSON VALUE & KNECHT		VIRGINIA RAILWAY EXPRESS	CONTRACT NO. 1
DRAWN:		DMJM Daniel, Mann, Johnson & Mendenhall		NVTC/PRTC	DRAWING NO. A9
CHECKED:		CHI-UDE ASSOCIATES, INC.		SCALE: 1/4" = 1'-0"	DATE:
APPROVED:				"B" MODULE ELEVATIONS & SECTION	SHEET NO. 12



CONFORMED 5/24/91






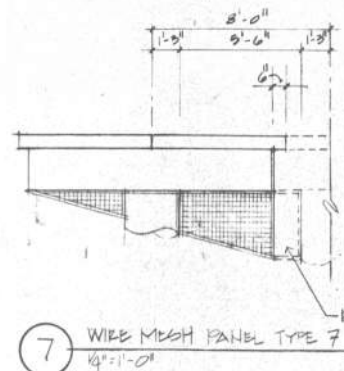
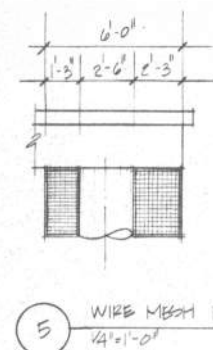
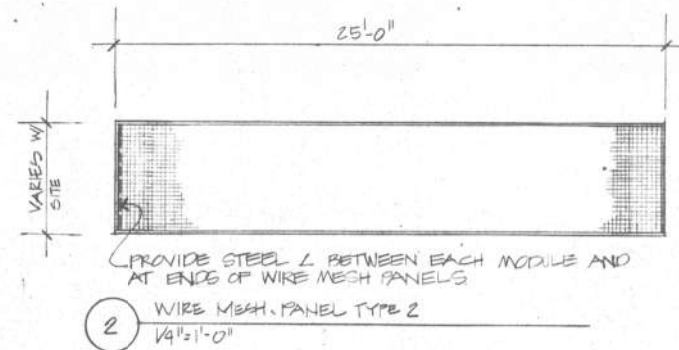
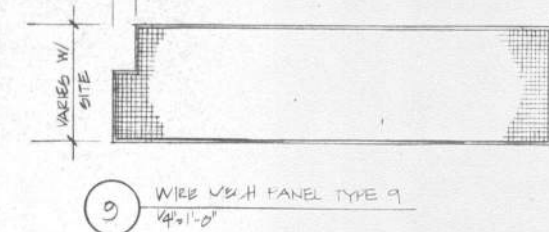
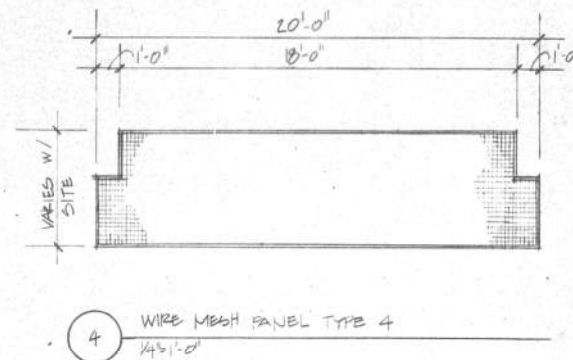
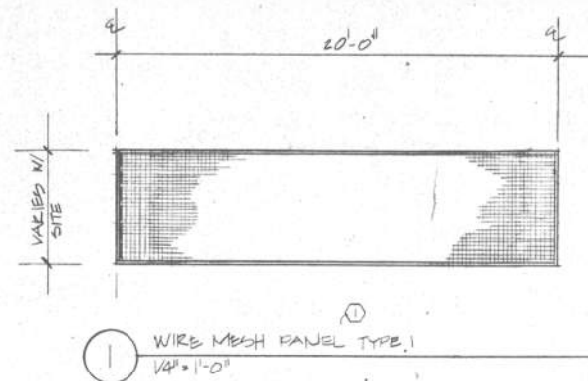
DESIGNED:		STV/SEELYE STEVENSON VALUE & KNECHT		VIRGINIA RAILWAY EXPRESS	CONTRACT NO. 1
DRAWN:		DMJM Daniel, Mann, Johnson & Mendenhall		NVTC/PRTC	DRAWING NO. A10
CHECKED:		CHI-UDE ASSOCIATES, INC.		SCALE: 1/4" = 1'-0"	DATE: 5/24/91
APPROVED:				"C" MODULE PLANS	SHEET NO. 13



CONFORMED 5/24/91

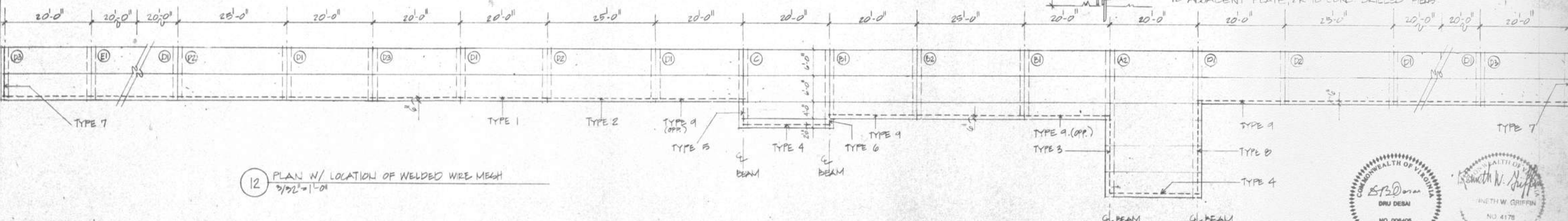
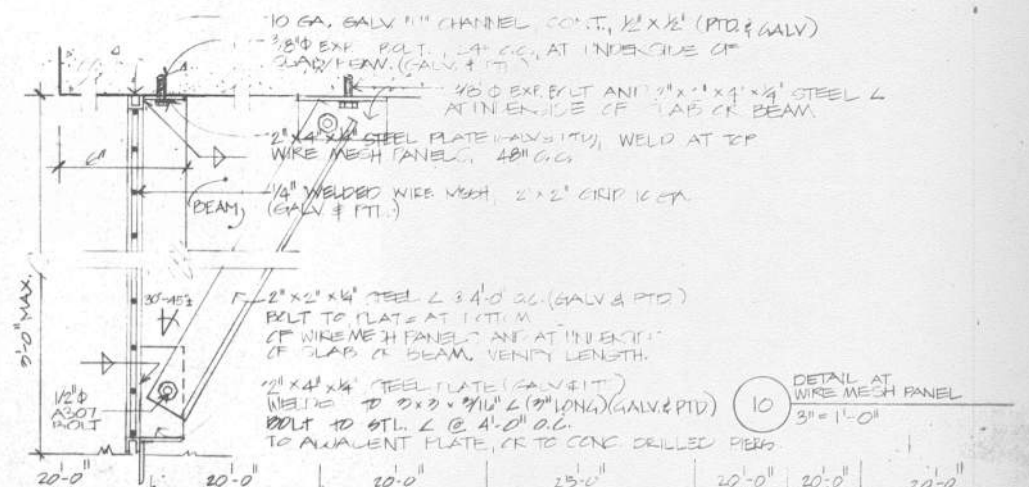
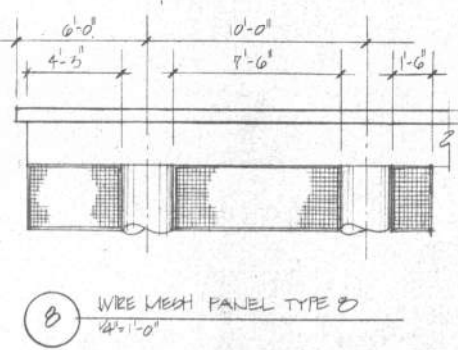
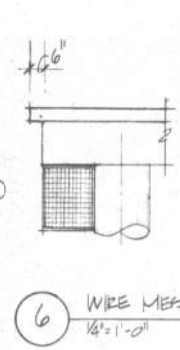
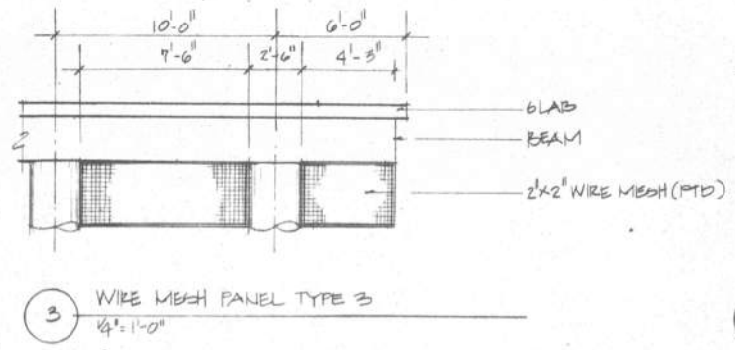
KEY PLAN

DESIGNED:						 STV/SEELYE STEVENSON VALUE & KNECHT in association with DMJM Daniel, Mann, Johnson & Mendenhall  CHI-UDE ASSOCIATES, INC.		VIRGINIA RAILWAY EXPRESS		CONTRACT No. 1	
DRAWN:									NVTC/PRTC		DRAWING No. 1
CHECKED:									SCALE: 1/4" = 1'-0"	DATE: FEB 25 1991	ALL
APPROVED:									"C" MODULE ELEVATIONS & SECTION		SHEET No. 14
	NO.	DATE	DESCRIPTION	BY							



MODULE	1	2	3	4	5	6	7	8	9
A1	-	-	1 EA.	1 EA.	-	-	1 EA.	1 EA.	-
A2	-	-	1 EA.	1 EA.	-	-	-	1 EA.	-
A3	-	-	2 EA.	1 EA.	-	-	-	-	-
B1	-	-	-	-	-	-	-	-	1 EA.
B2	-	1 EA.	-	-	-	-	-	-	-
C	-	-	-	1 EA.	1 EA.	1 EA.	-	-	-
D1	1 EA.	-	-	-	-	-	-	-	* 1 EA.
D2	-	1 EA.	-	-	-	-	-	-	-
D3	1 EA.	-	-	-	-	-	* 1 EA.	-	-
E1	1 EA.	-	-	-	-	-	-	-	-
E2	1 EA.	-	-	-	-	-	-	-	-

* ONLY IF THE MODULE IS END OF PLATFORM
** ONLY IF "D1" CONNECTS TO "C" OR "A1" OR "A2" MOD



CONFORMED 5/24/91

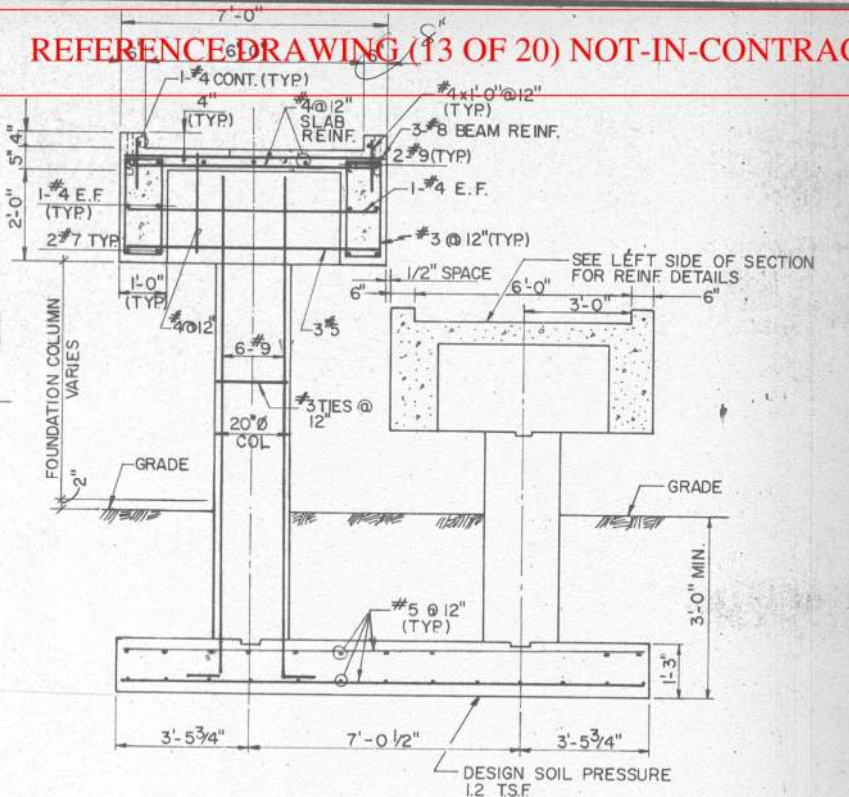
DESIGNED:				
DRAWN:				
CHECKED:				
APPROVED:				

STV/SEELYE STEVENSON VALUE & KNECHT
in association with
DMJM Daniel, Mann, Johnson & Mendenhall
CHI-UDE ASSOCIATES, INC.



VIRGINIA RAILWAY EXPRESS
NVTC/PRTC
SCALE: AS NOTED
DATE: 5/24/91
WIRE MESH PANELS

CONTRACT No. 1
DRAWING No. A26
SHEET No. 29



14'-0 1/2"

6"

6'-6 1/4"

6'-6 1/4"

6"

2'-0" 5 1/4"

2 #6

1 #4 E.F.

2 #7

4 #12 SLAB REIN.

3 #8 BEAM REIN.

4 E.F.

3 #5


4 #12

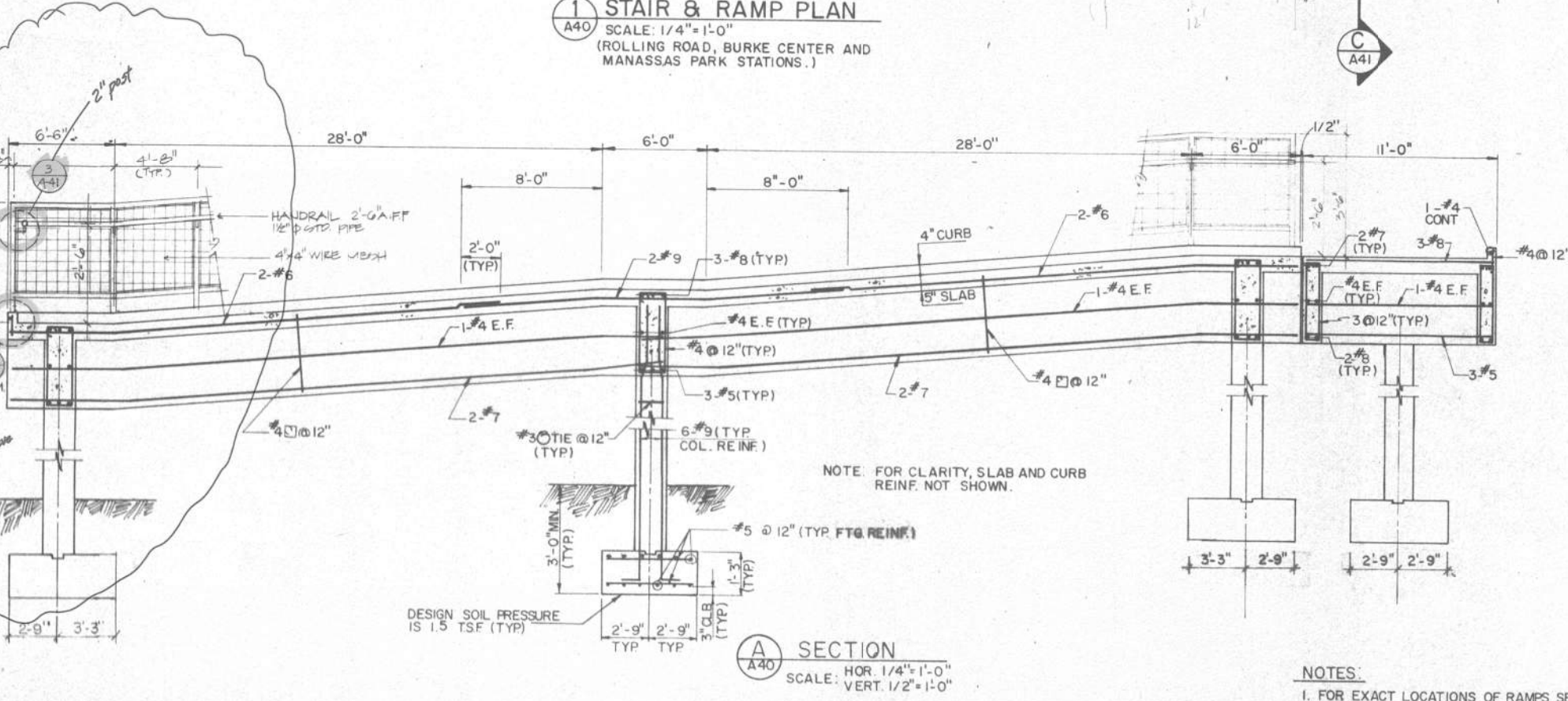
7'-0 1/2"

NGS C2, C3 & C4.

E SECTION
A40 SCALE: 1/2"=1'-0"

CONFORMED 5/24/91

 VIRGINIA RAILWAY EXPRESS
NVTC/PRTC
SCALE: AS NOTED DATE: FEB 25, 1991
RAMP AND STAIR-FRAMING PLAN & SECTION



COMMONWEALTH OF VIRGINIA
D. DeBai
 DRU DEBAI
 NO. 008406
 ENGINEER

DESIGNED: B. CHANG				
DRAWN: C. VARGAS				
CHECKED: B. CHANG				
APPROVED:	NO.	DATE	DESCRIPTION	SY
DESIGNED: _____				

STV/SEELYE STEVENSON VALUE & KNECHT
in association with
DMJM Daniel, Mann, Johnson & Mendenhall
CHI-UDE ASSOCIATES, INC.



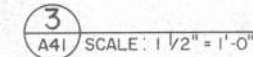
VIRGINIA RAILWAY EXPRESS

NVTC/PRTC

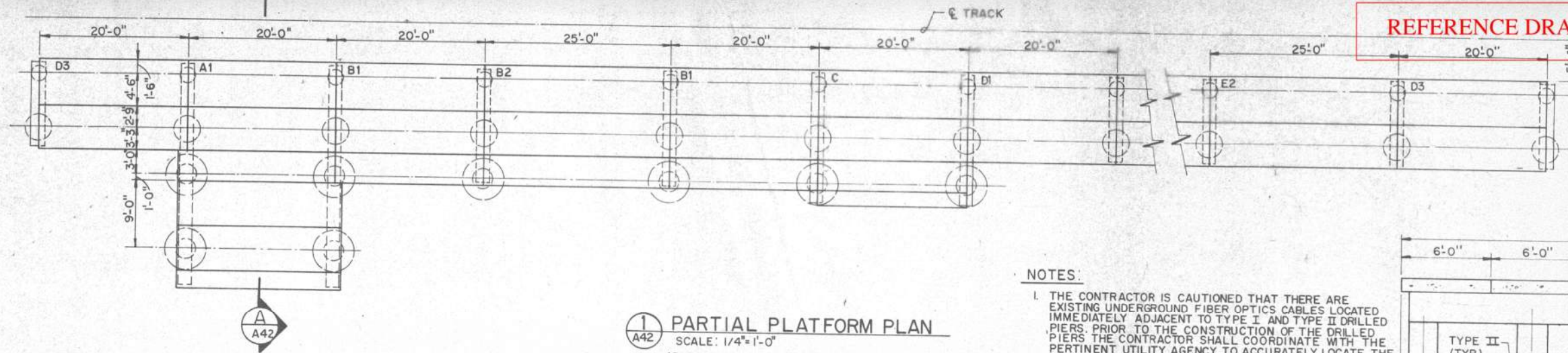
SCALE: AS NOTED	DATE: FEB 25 1991
-----------------	-------------------

RAMP AND STAIR-FRAMING PLAN & SECTIONS

CONTRACT No.	1
DRAWING No.	A40
SHEET No.	43



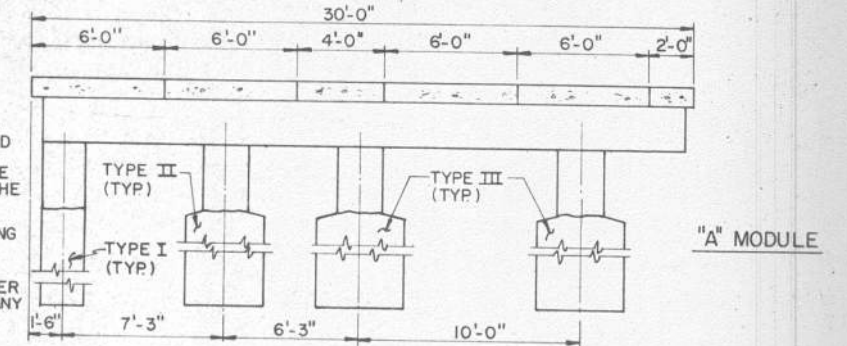
44



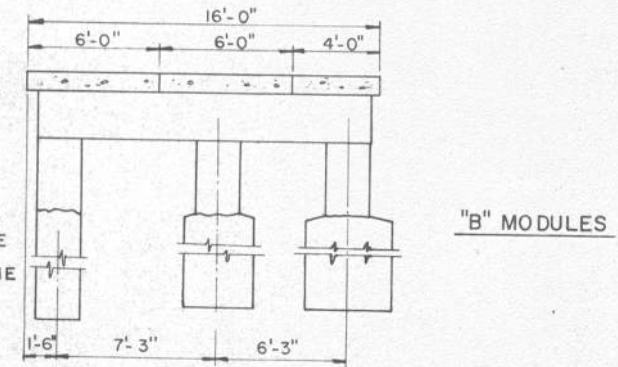
PARTIAL PLATFORM PLAN
SCALE: 1/4"=1'-0"
(BURKE CENTER STA. SHOWN; MANASSASS PARK, BACKLICK, ROLLING RD, SIMILAR.)

NOTES:

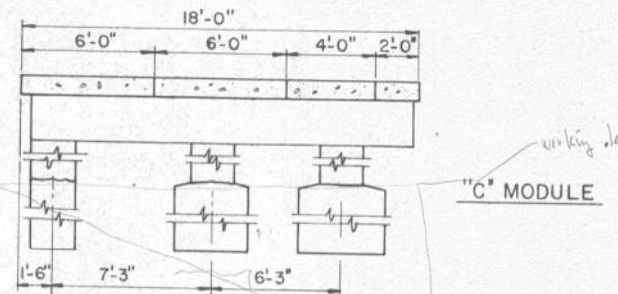
- THE CONTRACTOR IS CAUTIONED THAT THERE ARE EXISTING UNDERGROUND FIBER OPTICS CABLES LOCATED IMMEDIATELY ADJACENT TO TYPE I AND TYPE II DRILLED PIERS. PRIOR TO THE CONSTRUCTION OF THE DRILLED PIERS THE CONTRACTOR SHALL COORDINATE WITH THE PERTINENT UTILITY AGENCY TO ACCURATELY LOCATE THE FIBER OPTICS CABLES AND SPECIAL CAUTION AND MEASURES SHALL BE TAKEN TO INSURE THAT THESE CABLES ARE NOT DISTURBED AND/OR DISRUPTED DURING CONSTRUCTION.
- THE MAXIMUM PERMISSIBLE DEVIATION OF DRILLED PIER ALIGNMENT SHALL NOT EXCEED 1/2" PER 10 FEET IN ANY DIRECTION. IN NO INSTANCE SHALL THE TOTAL DEVIATION EXCEED 3".
- NOT USED.
- WHERE COMPACTION OF SOILS OR NEW EMBANKMENT IS REQUIRED IN THE AREAS ADJACENT TO DRILLED PIERS, EMBANKMENT AND COMPACTION SHALL BE COMPLETED PRIOR TO THE INSTALLATION OF DRILLED PIERS.
- CASING SHALL BE PROVIDED AS REQUIRED BY SITE CONDITION.
- ALL DRILLED PIERS ARE DESIGNED FOR AN ALLOWABLE NET SOIL BEARING PRESSURE OF 3 TONS PER SQUARE FOOT. THE CONTRACTOR SHALL BE AWARE THAT NO SUBSURFACE INFORMATION IS AVAILABLE. PRIOR TO THE INSTALLATION OF DRILLED PIERS, THE CONTRACTOR MUST MAKE HIS OWN INVESTIGATION OF SUBSURFACE CONDITIONS. IGNORANCE OF THE SUBSURFACE CONDITIONS WILL NOT BE ACCEPTED AS A BASIS OF CLAIM FOR ADDITIONAL COMPENSATION.
- EXCESS EXCAVATED MATERIAL NOT SUITABLE FOR SITE USE SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED AND DISPOSED BY HIM FROM THE PROJECT SITES.
- THIS SHEET ATTENDS TO THE DRILLED PIER LOCATIONS FOR FOUR STATIONS ON THE HORTON/ SOUTHERN LINE. THEY ARE BACKLICK ROAD, ROLLING ROAD, BURKE CENTER AND MANASSASS PARK.
- THE LOCATION OF THE PIERS WAS CHANGED FOR THESE FOUR STATIONS FROM THE TYPICAL PIER DESIGN ON SHEET A-23 DUE TO THE EXISTENCE OF A BURIED FIBER OPTICS CABLE ADJACENT TO THE TRACKS AT THE FOUR STATIONS IDENTIFIED ABOVE.



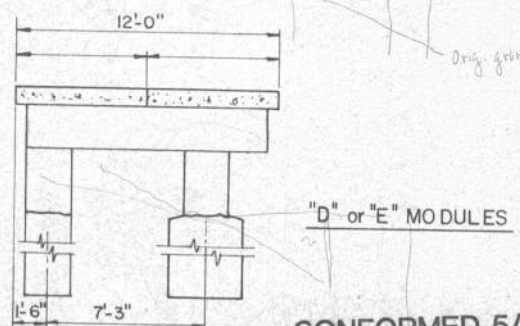
"A" MODULE



"B" MODULES



"C" MODULE



"D" or "E" MODULES

SECTION A-A
SCALE: 1/2"=1'-0"

CONFORMED 5/24/91
2 SECTIONS THRU PLATFORM
SCALE: 1/4"=1'-0"

DESIGNED:	B. CHANG				
DRAWN:	C. VARGAS				
CHECKED:	B. CHANG				
APPROVED:					

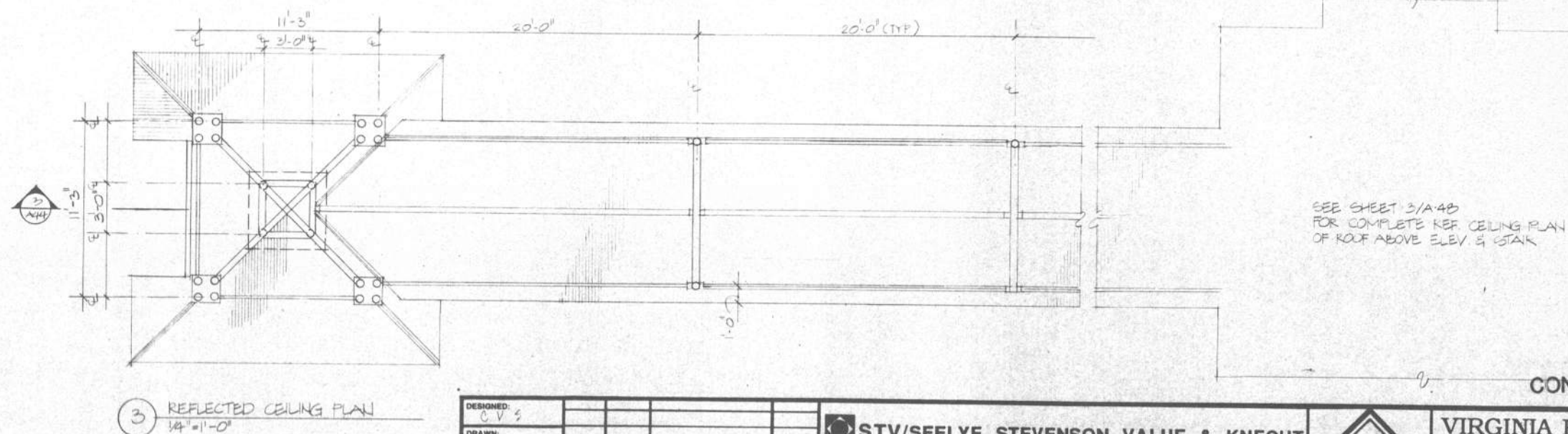
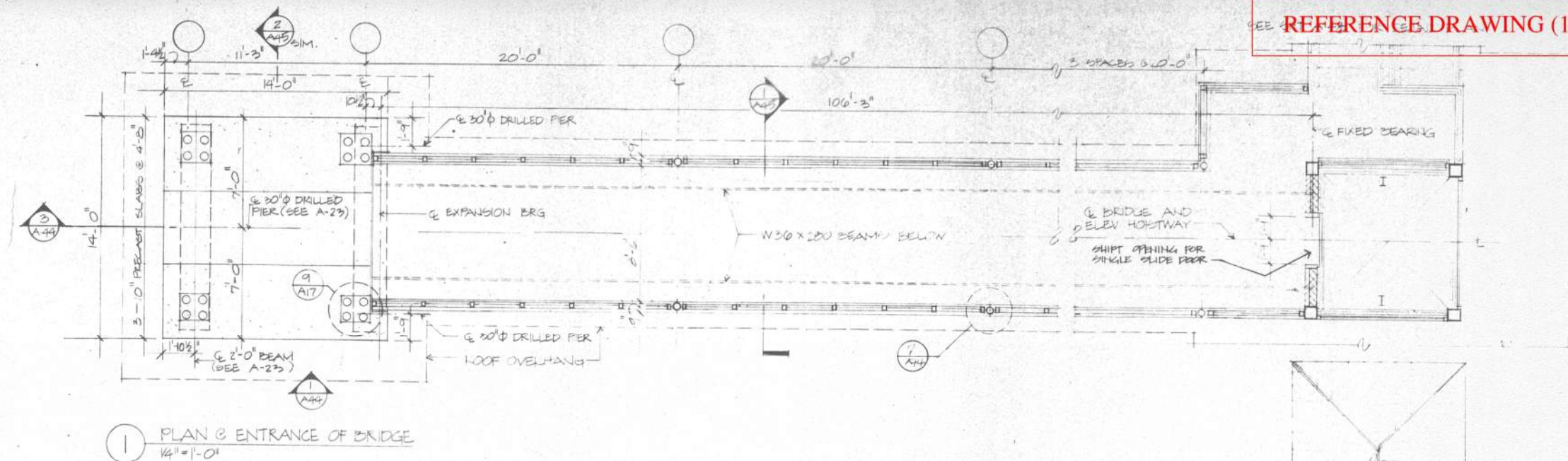
STV/SEELYE STEVENSON VALUE & KNECHT
in association with
DMJM Daniel, Mann, Johnson & Mendenhall
CHI-UDE ASSOCIATES, INC.



VIRGINIA RAILWAY EXPRESS
NVTC/PRTC
SCALE: AS NOTED
DATE: _____

CONTRACT NO. _____
DRAWING NO. **A42**
SHEET NO. **45**





SEE SHEET 3/A-48
FOR COMPLETE REF. CEILING PLAN
OF ROOF ABOVE ELEV. 5 STAIR

CONFIRMED 5/24/91



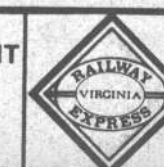
DESIGNED: C.V.S.				
DRAWN: B.M.				
CHECKED: B.C.				
APPROVED:	(S)	(H)	APPENDUM	
	No.	DATE	DESCRIPTION	BY



STV/SEELYE STEVENSON VALUE & KNECHT

DMJM Daniel, Mann, Johnson & Mendenhall

CHI-UDE ASSOCIATES, INC.



VIRGINIA RAILWAY EXPRESS
NVTC/PRTC

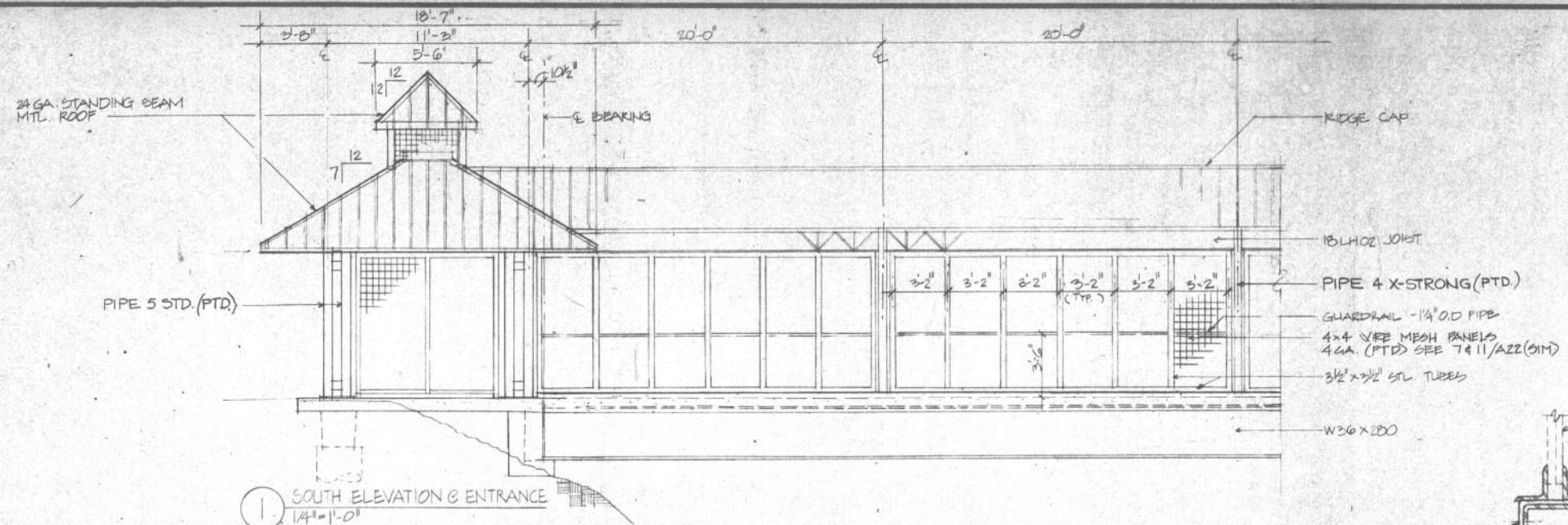
SCALE:	DATE:
--------	-------

RIFTON STATION
ENTRANCE CANOPY PLAN, BRIDGE PLAN,
ROOF PLAN & REF. CEILING PLAN

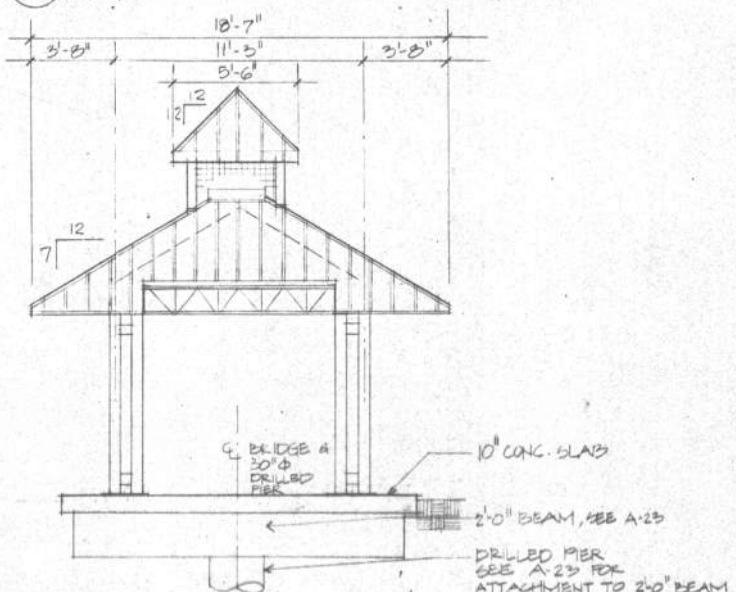
CONTRACT NO.

DRAWING No.

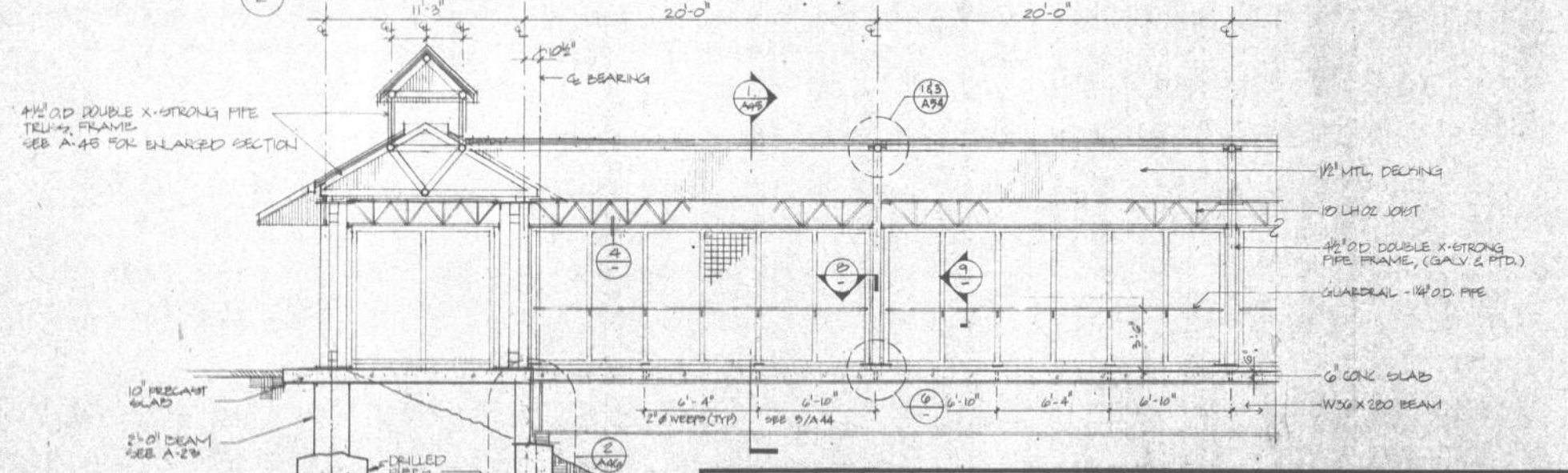
SHEET No.



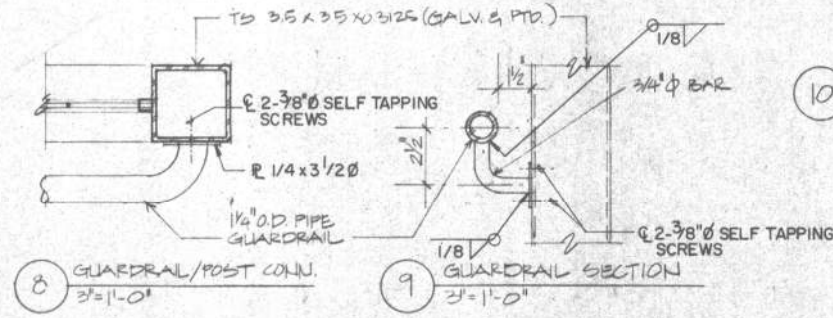
1 SOUTH ELEVATION & ENTRANCE
14'-1"-0"



2 WEST ELEVATION & ENTRANCE
14'-1"-0"

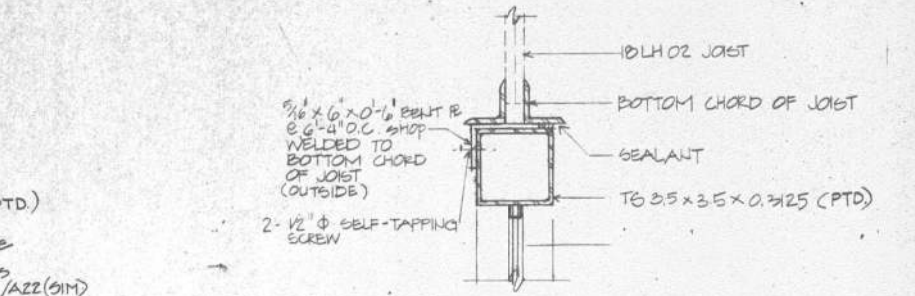


3 SECTION
14'-1"-0"

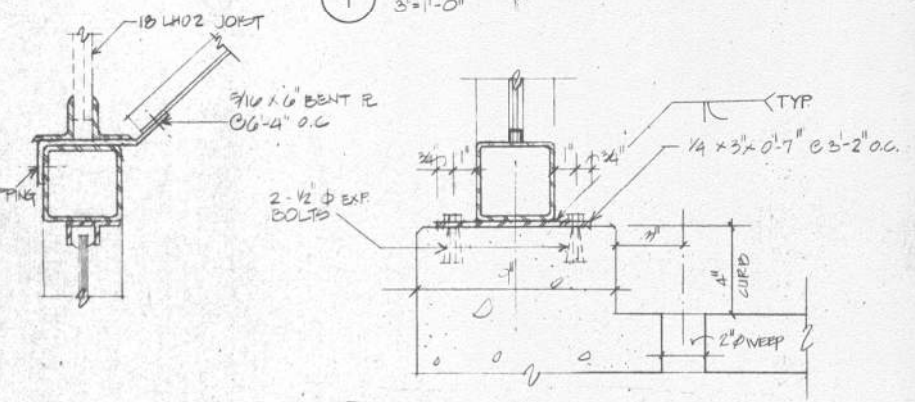


8 GUARDRAIL/POST CONN.
3'-1"-0"

9 GUARDRAIL SECTION
3'-1"-0"

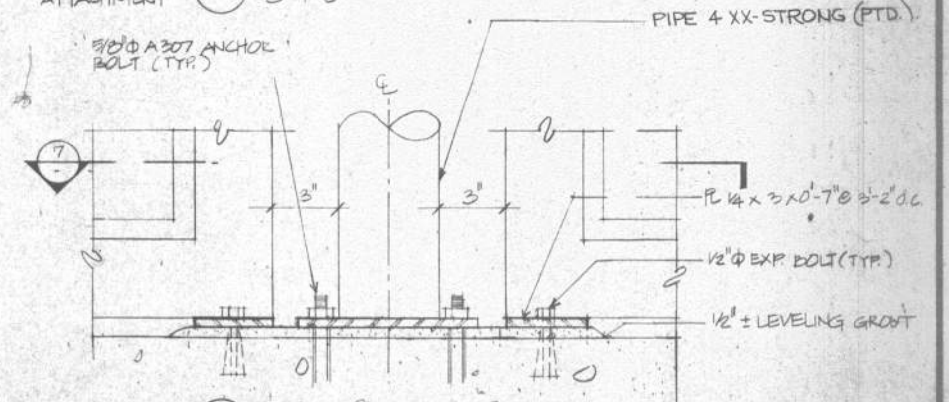


4 JOIST ATTACHMENT TO WINDSCREEN
3'-1"-0"

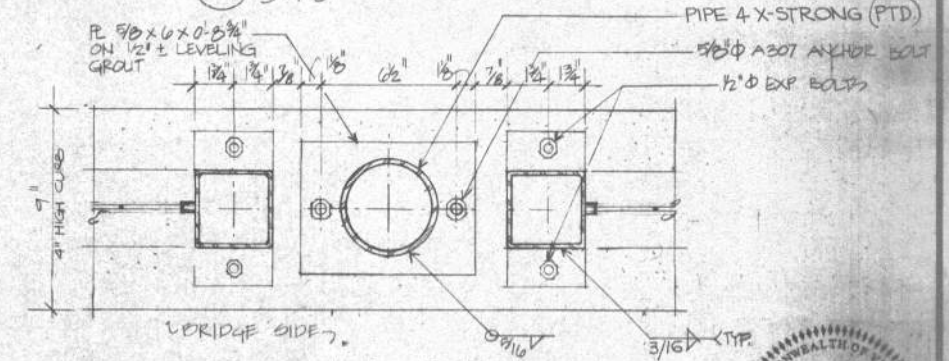


5 BASE PLATE
3'-1"-0"

10 BOT OF JOIST ANGLE ATTACHMENT
3'-1"-0"



6 DETAIL OF BASE PLATES
3'-1"-0"



7 PLAN OF BASE PLATES
3'-1"-0"

CONFORMED 5/24/91

DESIGNED:	C.V.G.				
DRAWN:	B.M.				
CHECKED:	B.C.				
APPROVED:					
	No.	DATE	DESCRIPTION	BY	DESIGNED

STV/SEELYE STEVENSON VALUE & KNECHT
in association with
DMJM Daniel, Mann, Johnson & Mendenhall
CHI-UDE ASSOCIATES, INC.



VIRGINIA RAILWAY EXPRESS
NVTC/PRTC
SCALE: DATE: FEB 25 1991
ENTRANCE CANOPY ELEV. & SECTIONS

CONTRACT NO. 1
DRAWING NO. A-44
SHEET NO. 47

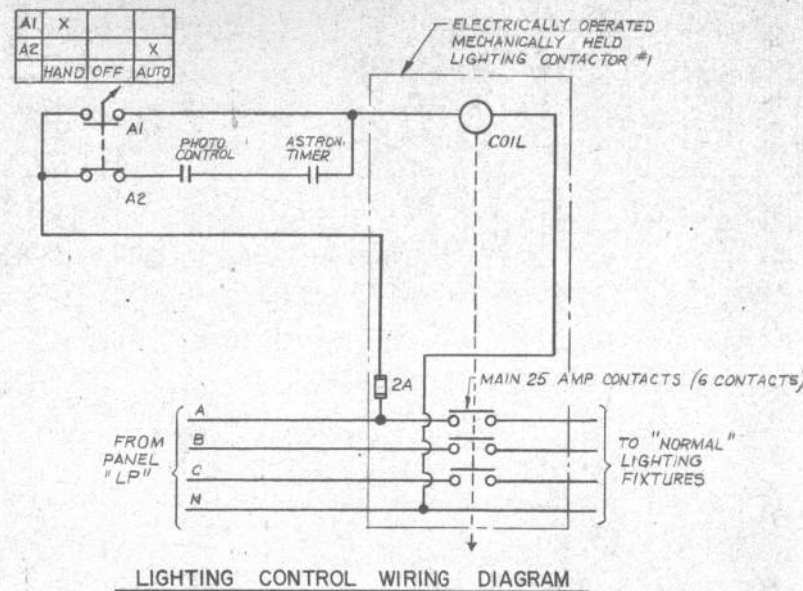
GENERAL NOTES

- FOR LEGEND AND ABBREVIATIONS SEE SHEET NO. E-1
- ALL CONDUITS SHALL BE GALVANIZED RIGID STEEL UNLESS NOTED OTHERWISE.
- ALL CONDUITS RUNNING UNDERNEATH ROADWAY OR TRACKS SHALL BE POLYVINYL CHLORIDE, ENCASED IN CONCRETE.
- 2" 10 & 1" 12 GROUND WIRING SHALL BE RUN VERTICALLY UP INSIDE POST TO LIGHTING FIXTURE TYPE "H".
- ALL LIGHTING FIXTURES, INCLUDING LAMP HOLDERS, SHALL BE RESISTANT TO VIBRATION.
- FOR EXACT LOCATION OF SERVICE CABINET REFER TO CIVIL DRAWINGS.
- HAND HOLES COVER PLATES IN STEEL POSTS SHALL HAVE TAMPER-PROOF SCREWS.
- POST SHALL BE MOUNTED ON PLATFORM WITH ZINC-PLATED ANCHOR BOLT ASSEMBLIES TO A 1/4" THICK ANCHOR PLATE UNDERNEATH PLATFORM. DRILL HOLES THROUGH CONCRETE PLATFORM TO ACCOMMODATE TWO 3/4" CONDUITS AND 3/4" BOLTS. INSTALLATION SHALL BE ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.
- FOR EXACT LOCATION OF LIGHTING FIXTURES, SEE ARCHITECTURAL PLAN
- TICKET MACHINES AND TICKET VALIDATORS ARE FURNISHED AND INSTALLED BY NVTC/PRTC. CONDUIT LAYOUT FOR TICKET MACHINES AND TICKET VALIDATORS NOT SHOWN ON PLANS. PROVIDE 2" 10 & 1" 12 GND IN 3/4" GRS CONDUIT TO EACH TICKET MACHINE AND VALIDATOR. STUBBED-UP AND TERMINATED WITH 4" SQUARE JUNCTION BOX WITHIN EQUIPMENT ENCLOSURE FOR HARD CONNECTION IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATION. COORDINATE WITH NVTC/PRTC FOR TYPE OF EQUIPMENT PROVIDED. FOR EXACT LOCATION OF EQUIPMENT REFER TO ARCHITECTURAL DRAWINGS. FURNISH ONE EMPTY 3/4" GRS CONDUIT TO TICKET VENDING MACHINES FROM THE NEAREST TELEPHONE JUNCTION BOX FOR FUTURE TELEPHONE WIRING BY OTHERS.
- RUN ELECTRIC SERVICE UNDERGROUND TO SERVICE BOX. CONTINUE AND CONNECT TO METER BASE OR PROPERTY LINE TERMINAL BOX OR V.D.O.T. POLE (EXCEPT BROAD RUN STATION). PROVIDED BY OTHERS. REFER TO CORRESPONDING STATIONS SITE PLAN ON CIVIL DRAWINGS FOR EXACT LOCATION OF SERVICE BOX.
- RUN UNDERGROUND 2 INCH EMPTY CONDUIT FOR TELEPHONE SERVICE. RUN CONDUIT TO SERVICE HANDHOLE WHERE TELEPHONE COMPANY WILL CONNECT SERVICE. REFER TO CORRESPONDING STATIONS SITE PLAN ON CIVIL DRAWINGS FOR EXACT LOCATION OF TELEPHONE SERVICE.
- AT POST MOUNTED LIGHTING, CORE AN ADDITIONAL HOLE OR PROVIDE SPACE IN A LARGER CORE FOR A PA SYSTEM 3/4" CONDUIT IN THE BASE OF THE LIGHT POLE.

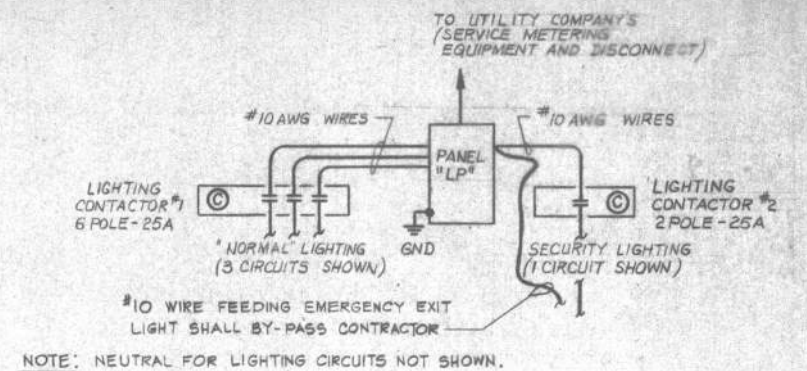
LIGHTING FIXTURE SCHEDULE

TYPE	LAMP	DESCRIPTION	MANUFACTURER/CATALOG NO.	REMARKS
A	(1) 175W MH	METAL HALIDE LIGHTING FIXTURE WITH CLOSED BOTTOM REFRACTOR MOUNTED ON POST WITH GOOSENECK ARM; BALLAST IN BASE; WEATHERPROOF; DARK BRONZE	STERNBERG #RAILROAD STATION LITE ON #3900RR POST	10'-0" AFF/FIXTURE SEE GENERAL NOTE #3
B	(1) 175W MH	METAL HALIDE LIGHTING FIXTURE WITH HEMISPHERICAL IMPACT-RESISTANT WHITE ACRYLIC DIFFUSER (BOTTOM); TEMPERED FLAT GLASS LENS (TOP); PENDANT MOUNTED FOR 90% INDIRECT ILLUMINATION; U.L. LISTED SUITABLE FOR WET LOCATION; DARK BRONZE 120V	STERNER #4PD-35544-00	10'-0" AFF SEE ARCHITECTURAL DRAWINGS A-24 & 25
C	(1) 175W MH	SAME AS ABOVE	SAME AS ABOVE	17'-0" AFF TO BOTTOM OF FIXTURE SEE ARCHITECTURAL DRAWINGS A-14, 15 & 25
H	(1) 175W MH	METAL HALIDE LIGHTING FIXTURE WITH "ACORN SHAPED" GLOBE WITH REFRACTIVE LENS AND STEEL SHAFT POST WITH HEAVY WALL 2" DIAMETER CAST IRON BASE; DARK BRONZE FINISH. WEATHERPROOF 120V	SPRING CITY "WASHINGTON" SERIES #118 GLOBE (WITH FINIAL) #12 POST	12'-0" AFF (FIXTURE) SEE GENERAL NOTE #8
E	(2) F48T12 WW/HO	8" FLUORESCENT FIXTURE FOR "STATION NAME" SIGN WITH REMOTE -20°F LOW TEMPERATURE BALLAST. ALL U.L. LISTED; SUITABLE FOR WET LOCATION.	NU-ART #NA5L-1-(4+4)-800-120V	MOUNT 9'-6" ABOVE TOP OF PLATFORM WITH 12" END SUPPORTS
F	(1) 100W MV DELUXE WHITE	MERCURY VAPOR "WALL PACK" FIXTURE WITH DIE-CAST HOUSING, HIGH-IMPACT REFRACTOR.	ALL-BRITE #SWP-100M-MT	MOUNT 7' ABOVE GROUND AT HORIZONTAL FENCE SUPPORT
G	(1) 150 HPS	HIGH PRESSURE SODIUM "COBRA HEAD" FIXTURE WITH FLAT GLASS LENS, DIE CAST ALUMINUM HOUSING. TYPE I DISTRIBUTION AND PHOTOELECTRIC CONTROL	CROUSE-HINDS #SOCISSR22E	FIXTURE MOUNTED ON 6" ARM AT TOP OF 30' WOOD POLE

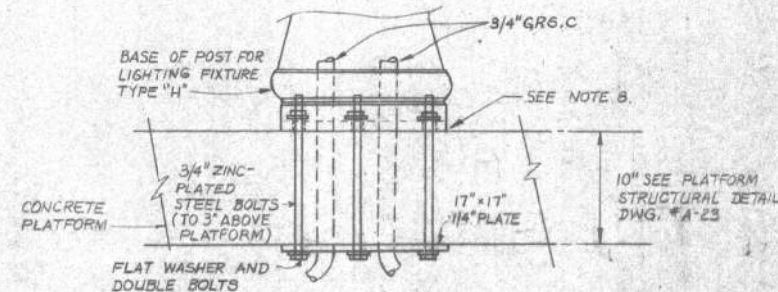
CONFORMED 5/24/91



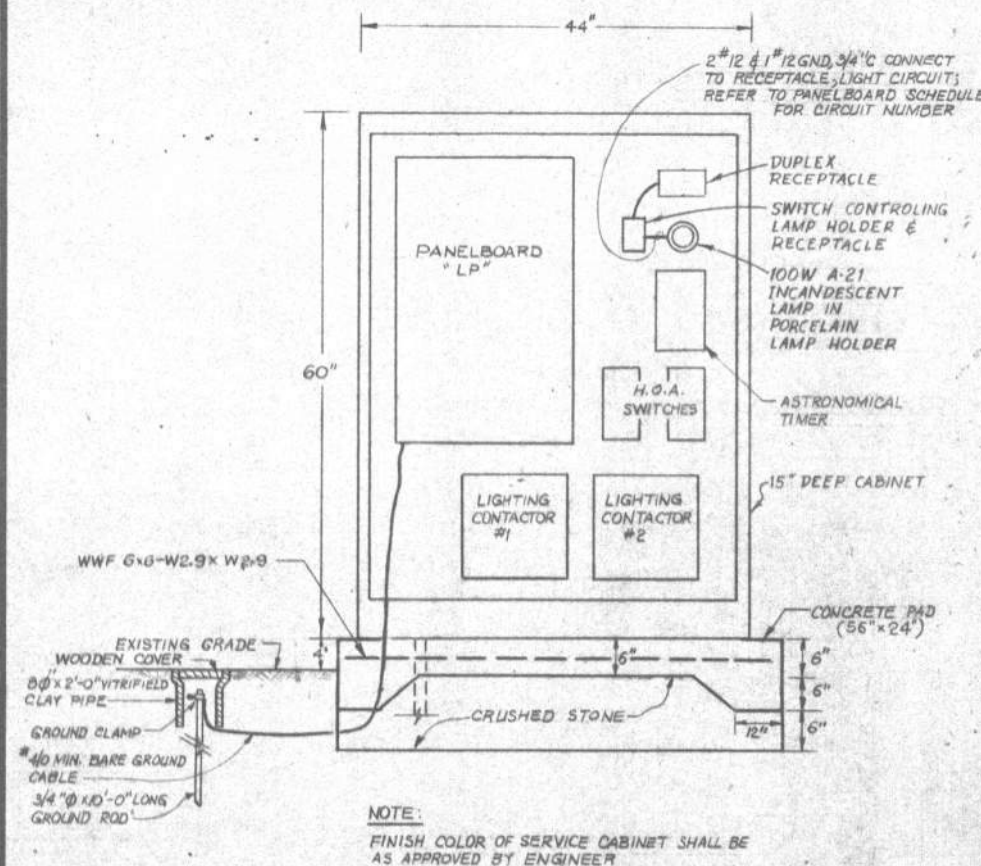
LIGHTING CONTROL WIRING DIAGRAM



RISER DIAGRAM
N.T.S.



DETAIL OF INSTALLATION
OF POST MOUNTED LIGHTING FIXTURE ON PLATFORM
N.T.S.



NOTE:
FINISH COLOR OF SERVICE CABINET SHALL BE AS APPROVED BY ENGINEER

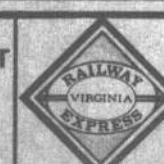
DETAIL OF NEMA 3R SERVICE CABINET
SHOWING ELECTRICAL EQUIPMENT
N.T.S.

PANELBOARD LP LOCATION BUS 100 A				VOLTAGE RATING 120/240 V - 1Ø - 3W 70A SURFACE			
BRK NO	POLE	DESCRIPTION	LOADS KVA	BRK NO	POLE	DESCRIPTION	LOADS KVA
1	1	LIGHTING	1.5	20	1	LIGHTING	1.5
3	3	LIGHTING	1.5	20	1	LIGHTING	1.5
5	5	SECURITY LIGHTING	1.2	20	1	SECURITY LIGHTING	1.2
7	7	RECEPTACLE LIGHT	0.6	20	1	TICKET/FARE MACH	0.5
9	9	TICKET VALIDATOR	0.5	20	1	"	0.5
11	11	"	0.5	20	1	"	0.5
13	13	SPACE		20	1	SPACE	
15	15	SPACE		20	1	SPACE	
17	17	SPACE		20	1	SPACE	
TOTAL LOAD: 11.50 KVA				TOTAL LOAD: 11.50 KVA			

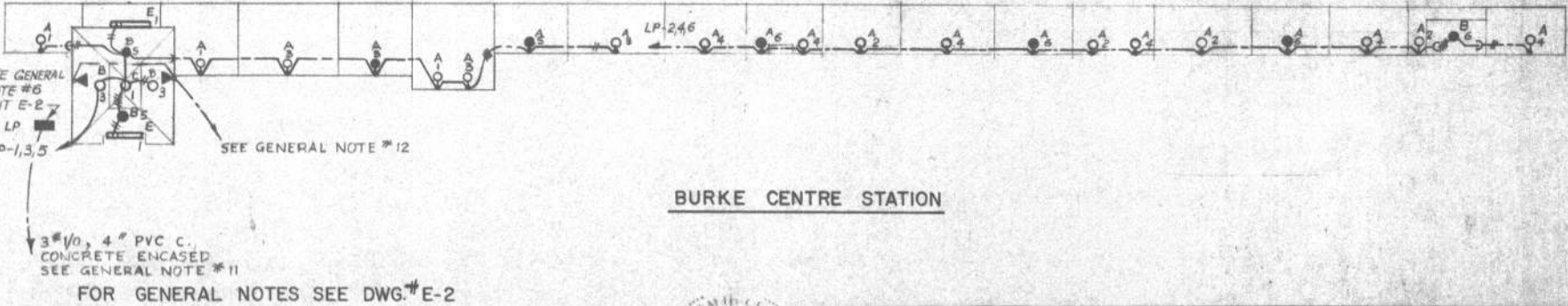
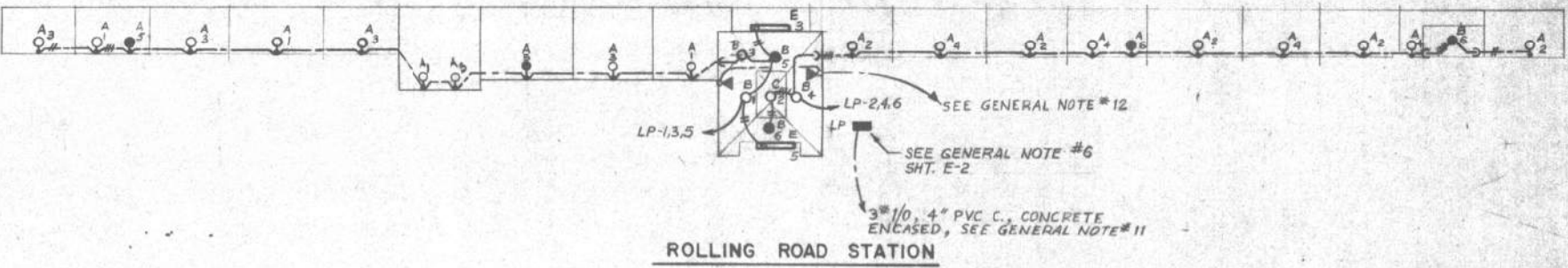
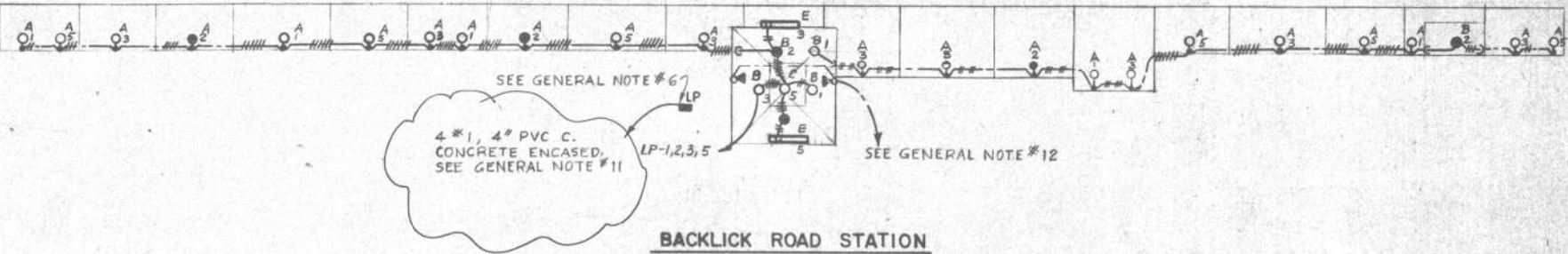
PANELBOARD REF. LP LOCATION BUS 225A				VOLTAGE RATING 120/208 V - 3Ø - 4W 225A SURFACE			
BRK NO	POLE	DESCRIPTION	LOADS KVA	BRK NO	POLE	DESCRIPTION	LOADS KVA
1	1	PLATFORM LTG	0.8	15	1	ELEVATOR	1.7
3	3		0.7	15	1		1.7
5	5		0.7	15	1		1.7
7	7		0.9	15	1	SECURITY LTG	0.7
9	9		1.0	15	1		0.9
11	11		0.9	15	1		0.7
13	13		0.7	15	1		0.5
15	15		0.6	15	1	TICKET/FARE MACH	0.5
17	17		0.5	15	1		0.5
19	19	TICKET VALIDATION	0.5	15	1		0.5
21	21		0.5	15	1	LTG/RECEPT-MACHRM	0.4
23	23	SPACE		15	1	ELECT. HEATER	1.1
TOTAL LOAD: 58.1 KVA				TOTAL LOAD: 58.1 KVA			

DESIGNED:	TR
DRAWN:	TV
CHECKED:	KS
APPROVED:	

STV/SEELYE STEVENSON VALUE & KNECHT
in association with
DMJM Daniel, Mann, Johnson & Mendenhall
CHI-UDE ASSOCIATES, INC.



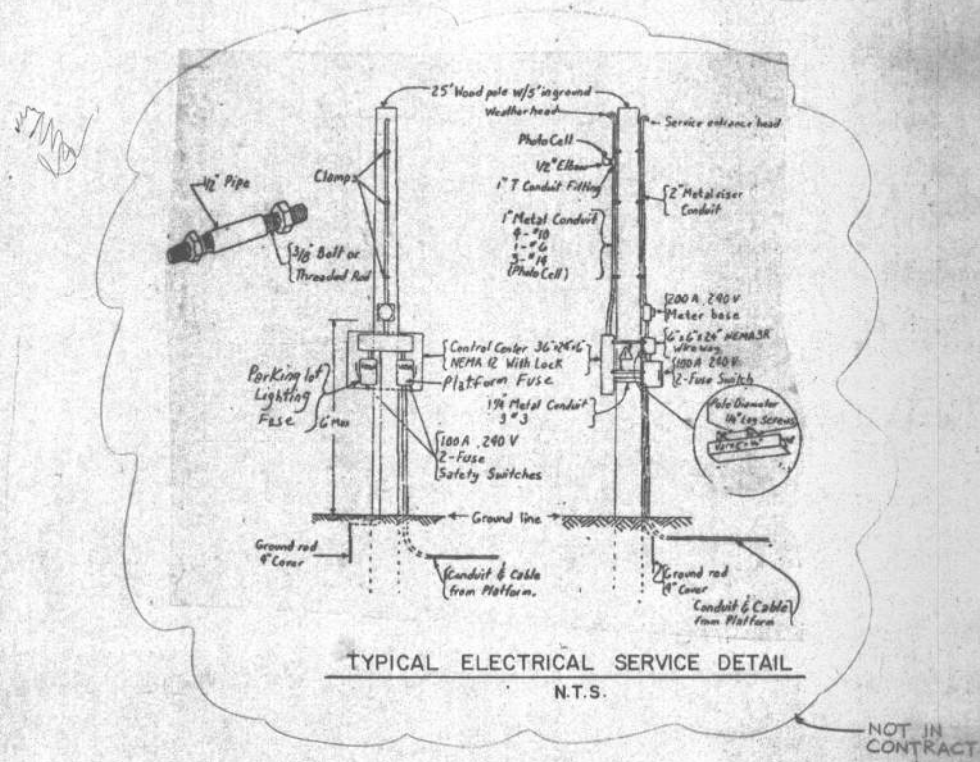
VIRGINIA RAILWAY EXPRESS		CONTRACT NO.	1
NVTC/PRTC		DRAWING NO.	E-2
SCALE: NONE	DATE: 5/24/91	SHEET NO.	59
ELECTRICAL STATION LIGHTING & POWER SCHEDULES, DETAILS & NOTES			



PANELBOARD REF. LP		LOCATION BACKLICK		VOLTAGE RATING 120/208 3Ø 4W		MAIN BREAKER 50 AMP		MTG SURFACE	
BUS RATING 100									
BKR NO	POLE	DESCRIPTION			LOADS KVA	BKR TRIP	LOADS KVA	DESCRIPTION	POLE
1	1	LIGHTING			1.5	20	20	SECURITY LIGHTING	2
3	3	LIGHTING			1.5	20	20	TICKET/FARE MACH.	4
5	5	LIGHTING			1.5	20	20	TICKET/FARE MACH.	6
7	7	RECEPTACLE, LTG.			0.6	20	20	TICKET/FARE MACH./FUT.	8
9	9	TICKET VALIDATORS			0.5	20	20	SPARE	10
11	11	TICKET VALIDATORS			0.5	20	20	SPARE	12
13	13	SPARE				20		SPARE	14
15	15	SPACE						SPACE	16
17	17	SPACE						SPACE	18
19	19								20
21	21								22
23	23								24
25	25								26
27	27								28
29	29								30

NOTES:
POLES: 18 TOTAL LOAD: 9.7 KVA

ABC 4.1KVA Ø A
2.8KVA Ø B
2.8KVA Ø C



NORFOLK SOUTHERN RAILWAY CONFORMED 5/24/91

DESIGNED: TR
DRAWN: TV
CHECKED: KS
APPROVED: [Signature]

STV/SEELYE STEVENSON VALUE & KNECHT
in association with
DMJM Daniel, Mann, Johnson & Mendenhall
CHI-UDE ASSOCIATES, INC.

VIRGINIA RAILWAY EXPRESS
NVTC/PRTC
SCALE: 1"=20'
DATE: FEB 25 1991
RAILWAY STATION LIGHTING AND POWER

CONTRACT NO. 1
DRAWING NO. E-3
SHEET NO. 60

REFERENCE DRAWING (20 OF 20) NOT-IN-CONTRACT

NOTES

EXCAVATION ON RAILROAD PROPERTY WILL BE FOR CAISSON BORINGS ONLY. ALL EXCAVATED MATERIAL FROM THE BORINGS SHALL BE REMOVED FROM THE SITE UNLESS AN AREA FOR ON SITE DISPOSAL IS APPROVED BY THE CONSTRUCTION MANAGER.

THE BALLAST SHOULDER SHALL NOT BE DISTURBED DURING CONSTRUCTION EXCEPT IN THE PLACEMENT OF THE PLATFORM CROSSBEAMS. THE RAILROAD CONTOURS SHALL NOT BE CHANGED IN ANY WAY EXCEPT IN THE PLACEMENT OF THE CAISSONS.

SOIL EROSION AND SEDIMENT CONTROL SHALL BE HANDLED BY SILT FENCING, AS SHOWN ON THE EROSION SEDIMENTATION CONTROL PLAN.

THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING "MISS UTILITY".

THE TABLE BELOW INDICATES THE TOP OF RAIL ELEVATION BY STATION AND LOCATES THE FIBER OPTICS CABLES. THESE CABLES SHALL BE PHYSICALLY LOCATED BY THE CONTRACTOR PRIOR TO MECHANICAL AUGERING.

Station	Top of Rail	Fiber Optics*
0 + 00	301.89	7'-0"
0 + 50	301.49	7'-0"
1 + 00	301.10	6'-11"
1 + 50	300.70	7'-0"
2 + 00	300.28	7'-2"
2 + 50	299.85	7'-3"
3 + 00	299.35	7'-3"
3 + 50	298.84	7'-3"
4 + 00	298.34	7'-3"
4 + 50	297.85	7'-3"
5 + 00	297.35	7'-3"

* DISTANCE OF BURIED CABLE FROM CENTERLINE OF NEAR RAIL.

NO CAISSON BORING WORK SHALL BEGIN EXCEPT IN THE PRESENCE OF PERSONNEL FROM THE FIBER OPTICS COMPANIES AND BORINGS SHALL BEGIN ONLY AFTER THE BURIED LINES HAVE BEEN LOCATED BY POT HOLING.

CAISSONS LOCATIONS MAY BE FIELD ADJUSTED AT THE DIRECTION OF THE CONSTRUCTION MANAGER.

CLEARING AND GRUBBING AS INDICATED ON THE DRAWING SHALL BE IN ACCORDANCE WITH SPEC. SECTION 02100 - PART 3. 3.02 SHALL NOT APPLY. GRADING SHALL BE IN ACCORDANCE WITH SPEC. SECTION 02200, EXCAVATION, EMBANKMENT AND BACKFILL. SEEDING SHALL BE IN ACCORDANCE WITH SPEC. SECTION 02821.

THE SURFACE ELEVATION OF THE PLATFORM SHALL BE SET AT 8" ABOVE TOP OF RAIL. DETAILS IN THE DRAWINGS SHOW HOW TO SLOPE THE PLATFORM ON GRADES. THE EDGE OF THE PLATFORM SHALL BE SET 5'-4" FROM THE CENTERLINE OF TRACK. ELEVATIONS PROVIDED MAY CHANGE RESULTING FROM R.R. TRACK MAINTENANCE THAT COULD OCCUR PRIOR TO N.T.P.. ON CURVES, THE PLATFORM CLEARANCES SHALL BE MAINTAINED WITH SPECIAL PANELS AS SHOWN ON THE DRAWINGS.

THE FOLLOWING SUMMARIZES THE RELATIONSHIP BETWEEN THE TOP OF RAIL, HEADHOUSE ELEVATION AND PARKING LOT ELEVATION, ON WHICH THE RAMP DESIGN IS BASED.

TOP OF RAIL AT HEADHOUSE	299.18
HEADHOUSE ELEVATION	299.85
PARKING LOT ELEVATION	290.00

FOR DETAILS OF TRACK CROSSINGS, PLACED ADJACENT TO THE PLATFORM SHELTER, SEE DRAWING TCI.

FOR DETAILS OF THE RAMP AND STAIRS REFER TO THE ARCHITECTURAL DRAWINGS A40, A41.

THE STAIR AND RAMP DETAILS SHOWN IN THE DRAWINGS ARE MEANT TO BE ADAPTED TO THIS STATION. AS THE TOP OF RAIL ELEVATION MAY CHANGE PRIOR TO CONSTRUCTION DUE TO ROUTINE RAILROAD MAINTENANCE, THE CONTRACTOR MAY NEED TO MAKE AN ADJUSTMENT TO THE DESIGN, VIA SHOP DRAWING, BY ADDING OR DELETING A STAIR AND THE LENGTHENING OR SHORTENING OF THE BOTTOM OF THE RAMP. WHEN FIELD ELEVATIONS ARE KNOWN FOR THE RAIL AND PARKING LOT, SHOP DRAWINGS SHALL BE SUBMITTED BY THE CONTRACTOR FOR REVIEW.

ACCESS TO EACH PLATFORM LOCATION WILL BE PROVIDED AS FOLLOWS:

1. BY THE PARKING LOT CONTRACTOR THROUGH THE PARKING LOT. THIS ACCESS WILL BE LIMITED AND THE TIMING IS UNKNOWN.
2. BY THE PARKING LOT CONTRACTOR ALONG SIDE HIS WORK. THE STATION CONTRACTOR SHALL MAINTAIN THIS ACCESS ROAD, FOR HIS USE AND SHALL REMOVE IT, SOO AS NECESSARY AND SEED, RESTORING THE AREA AND PROVIDING TEMPORARY SOIL EROSION SEDIMENTATION CONTROL MEASURES.
3. BY THE STATION CONTRACTOR. THIS MAY BE NECESSARY TO MAINTAIN PROGRESS IF THE PARKING LOT CONTRACTOR HAS NOT YET STARTED HIS WORK. THIS ACCESS SHALL BE OUTSIDE THE LIMIT OF THE PARKING LOT WORK OR WITHIN IT. THE CONSTRUCTION MANAGER SHALL APPROVE THE ALIGNMENT. IF OUTSIDE THE LIMITS OF THE PARKING LOT CONSTRUCTION, THE CONTRACTOR SHALL FULLY RESTORE THE ALIGNMENT.

THE CONTRACTOR IS REMINDED THAT IF WORK BY THE PARKING LOT CONTRACTOR IS IN PROGRESS, HE SHALL COOPERATE WITH THE LOT CONTRACTOR AND COORDINATE HIS WORK WITH THE LOT CONTRACTOR THROUGH THE CONSTRUCTION MANAGER.

THE SUPPLEMENT OF THE SPECIFICATIONS INCLUDES A LETTER FROM VIRGINIA POWER THAT DESCRIBES PROCEDURES TO BE FOLLOWED WHILE WORKING UNDER AND AROUND HIGH TENSION POWER LINES AND TOWERS AT ROLLING RD.

CONTRACTOR SHALL INSTALL A METER BASE PROVIDED BY VIRGINIA POWER AT THE LOCATION AS SHOWN ON THE DRAWING. SERVICE WILL BE VIRGINIA POWER AND THE WORK SHALL BE IN ACCORDANCE WITH VIRGINIA POWER REQUIREMENTS AND STANDARDS.

CONFORMED 5/24/91

VIRGINIA RAILWAY EXPRESS

NVTC/PRTC

SCALE: 1" = 50'

DATE: FEB 25 1991

ROLLING ROAD SITE PLAN

CONTRACT No.

1

DRAWING No.

C2

SHEET No.

68

STV/SEELYE STEVENSON VALUE & KNECHT

DMJM Daniel, Mann, Johnson & Mendenhall

CHI-UDE ASSOCIATES, INC.

DESIGNED:				
DRAWN:				
CHECKED:				
APPROVED:	No.	DATE	DESCRIPTION	BY

Std. Parking Spaces - 404 (97.8%)
Handicapped Parking Spaces - 9 (2.2%)
Total Parking Spaces - 413

P.I. 15+19.51
TRAVERSE

Type Standard Parking Space

NOTE: HATCHED AREAS DENOTE HIGHER STRENGTH PAVEMENT FOR A FUTURE BUS ROUTE.

P.I. 11+25.61
TRAVERSE

P.I. 13+49.46 SURVEY BASELINE
10+00.00 TRAVERSE

P.I. 17+52.38
SURVEY BASELINE

20