RECORD PLANS

CONTRACTOR: DELSIGNORE BLACKTOP PAVING, INC. – TROY, NY

RESIDENT ENGINEER: RON LEMAIRE

CONSTRUCTION BEGAN: JULY 25, 2016

CONSTRUCTION COMPLETE: SEPTEMBER 12, 2016

RECORD PLANS BY: RON LEMAIRE & AARON WEAVER

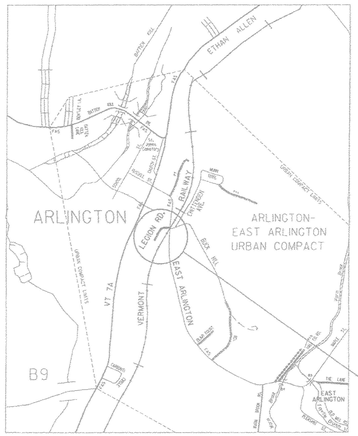
I HEREBY CERTIFY THAT ALL THE CONSTRUCTION REQUIRED BY THIS SET OF DRAWINGS HAS BEEN ACCOMPLISHED AS INDICATED HEREIN.

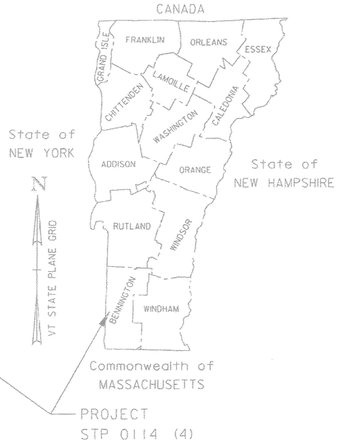
BY _____ FOR: RESIDENT ENGINEER

DATE May 29, 2018

NOTE: Any further information concerning final quantities, amounts or other details relative to this project may be found at Central Files in the electronic archives.

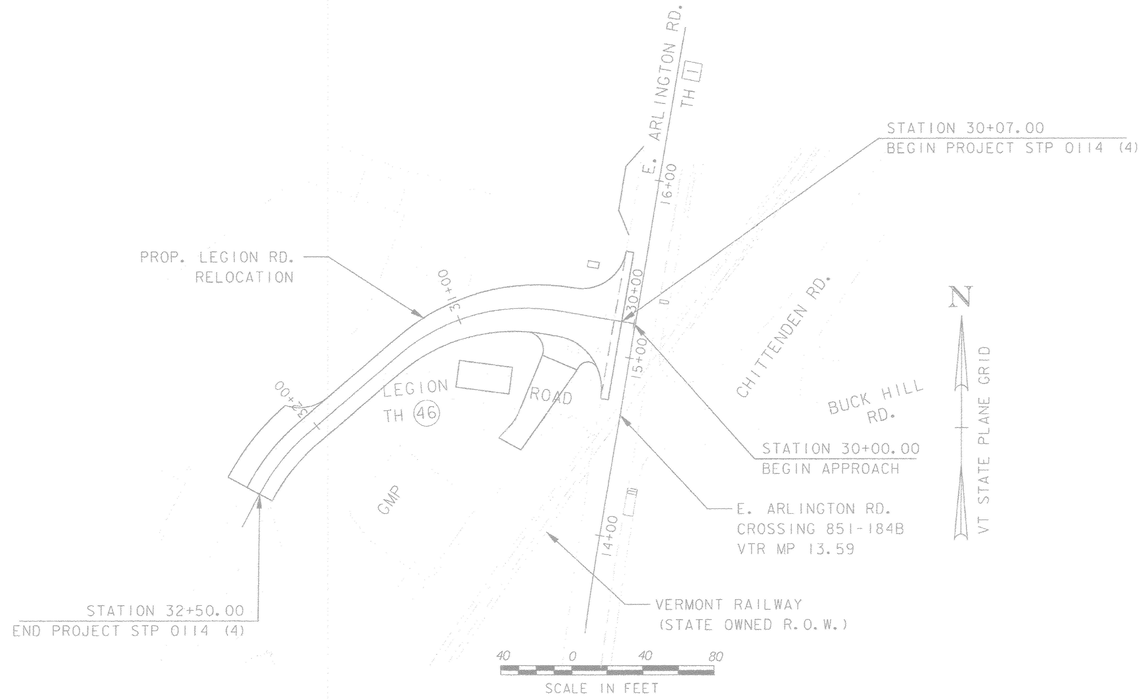
STATE OF VERMONT
AGENCY OF TRANSPORTATION





PROPOSED IMPROVEMENT
COUNTY OF BENNINGTON
TOWN OF ARLINGTON
TH#1, CL.2 AND TH#46, CL.3 (7-RURAL MAJOR COLLECTOR)

E. ARLINGTON RD.: BEGINNING AT A POINT ON E. ARLINGTON RD. SAID POINT BEING APPROXIMATELY 1000 ft SOUTHEASTERLY FROM ITS INTERSECTION WITH STATE ROUTE 7A AND EXTENDING SOUTHEASTERLY TO INCLUDE GRADE CROSSING 851-184B.
LEGION RD. RELOCATED: BEGINNING AT A POINT ON LEGION ROAD RELOCATED 7.00 ft WESTERLY OF ITS INTERSECTION WITH EAST ARLINGTON ROAD AND EXTENDING SOUTHWESTERLY 243.00 ft.
WORK TO BE PERFORMED UNDER THIS PROJECT WILL INCLUDE THE RELOCATION OF EXISTING LEGION ROAD AND THE RECONSTRUCTION OF EAST ARLINGTON ROAD RR CROSSING SIGNAL SYSTEM INCLUDING NEW SIGNALS, PAVEMENT MARKINGS, AND SIGNAGE.



TRAFFIC DATA

RAILROAD:

PASSENGER DESIGN SPEED = 30 MPH
FREIGHT DESIGN SPEED = 25 MPH

LEGION ROAD:

DESIGN SPEED = 15 MPH (ASSUMED)
AADT= NO DATA AVAILABLE
ASSUMED < 100

E. ARLINGTON ROAD:

DESIGN SPEED = 25 MPH (POSTED)
AADT (2011) = 2200 E

Note:
ROW sheets 26 and 27 of this plan set have been prepared by Stantec, South Burlington, Vermont.

THESE PLANS ARE SUBJECT TO SUCH ENGINEERING CHANGES AS MAY BE REQUIRED BY THE FEDERAL HIGHWAY ADMINISTRATION OR THE DIRECTOR OF PROGRAM DEVELOPMENT.

CONSTRUCTION IS TO BE CARRIED ON IN ACCORDANCE WITH THESE PLANS AND THE STANDARD SPECIFICATIONS FOR CONSTRUCTION DATED 2011, AS APPROVED BY THE FEDERAL HIGHWAY ADMINISTRATION ON JULY 20, 2011 FOR USE ON THIS PROJECT, INCLUDING ALL SUBSEQUENT REVISIONS AND SUCH REVISED SPECIFICATIONS AND SPECIAL PROVISIONS AS ARE INCORPORATED IN THESE PLANS.

QUALITY ASSURANCE PROGRAM : LEVEL 3

SURVEYED BY : VTRANS
SURVEYED DATE : JAN. 2004

DATUM
VERTICAL NAVD 88
HORIZONTAL NAD 83 (96)

STATE OF VERMONT
JOAN H. REED
NO. 5649
REGISTERED
PROFESSIONAL ENGINEER

RAIL PROGRAM DIRECTOR
APPROVED _____ DATE 2/9/16

PROJECT MANAGER : KYLE WELLS

PROJECT NAME : ARLINGTON
PROJECT NUMBER : STP 0114 (4)

SHEET 1 OF 27 SHEETS

P70120069

FILE NAME: z09g052nul.dgn

INDEX OF SHEETS

ABBREVIATIONS

EXIST.	EXISTING
PROP.	PROPOSED
BEG.	BEGINNING
BIT. CONC.	BITUMINOUS CONCRETE
PCC	PORTLAND CEMENT CONCRETE
RCP	REINFORCED CONCRETE PIPE
(N)	NEW SIGN
DYCL	DOUBLE YELLOW CENTER LINE
STA.	STATION
ELEV.	ELEVATION

	DESCRIPTION	DATE
A-76	STANDARDS FOR TOWN AND DEVELOPMENT ROADS	MAR. 03, 2003
B-5	SLOPE GRADING, EMBANKMENTS, MUCK	JUN. 01, 1994
B-71	STANDARD FOR RESIDENTIAL AND COMMERCIAL DRIVES	JUL. 08, 2005
C-3B	SIDEWALK RAMPS AND MEDIAN ISLANDS	MAR. 10, 2008
D-4	VARIOUS DRAINAGE DETAILS	AUG. 13, 2007
D-11	STEEL GRATE; CAST IRON GRATE TYPE A; CAST IRON COVER	JUN. 01, 1994
D-15	PRECAST REINFORCED CONCRETE CATCH BASIN W/ CAST IRON GRATE; PRECAST REINFORCED CONCRETE MANHOLE W/ CAST IRON COVER; CAST IRON GRATE WITH FRAME, TYPE D; CAST IRON GRATE WITH FRAME, TYPE E	JUN. 01, 1994
D-16	PRECAST REINFORCED CONCRETE CURB DROP INLET WITH CAST IRON GRATE; CAST IRON GRATE, TYPE B; CAST IRON GRATE, TYPE C; UNDERDRAIN RISER; REINFORCED CONCRETE PIPE AND SECTION; ENERGY DISSIPATER FOR CULVERT	JUN. 01, 1994
E-121	STANDARD SIGN PLACEMENT - CONVENTIONAL ROAD	AUG. 08, 1995
E-143	REGULATORY SIGN DETAILS	JUN. 15, 2004
E-153B	WARNING SIGN DETAILS	MAY 30, 2003
E-175	POWER DROP STANCHIONS	JUN. 08, 2009
E-190	RAILROAD CROSSING SIGNS AND PAVEMENT MARKINGS	JUN. 30, 2003
E-193	PAVEMENT MARKINGS DETAILS	AUG. 18, 1995
J-3	MAIL BOX SUPPORT DETAILS	AUG. 07, 1995
T-1	TRAFFIC CONTROL GENERAL NOTES	AUG. 06, 2012
T-10	CONVENTIONAL ROADS CONSTRUCTION APPROACH SIGNING	AUG. 06, 2012
T-17	TRAFFIC CONTROL MISCELLANEOUS DETAILS	AUG. 06, 2012
T-24	TRAFFIC CONTROL FOR MAINT. PAVEMENT MARKING OPERATION	AUG. 06, 2012
T-28	CONSTRUCTION SIGN DETAILS	AUG. 06, 2012
T-29	CONSTRUCTION SIGN DETAILS	AUG. 06, 2012
T-35	CONSTRUCTION ZONE LONGITUDINAL DROP-OFFS	AUG. 06, 2012
T-36	CONSTRUCTION ZONE LONGITUDINAL DROP-OFFS FOR PAVING	AUG. 06, 2012
T-45	SQUARE TUBE SIGN POST AND ANCHOR	JAN. 02, 2013

PROJECT NAME: ARLINGTON
PROJECT NUMBER: STP 0114 (4)

FILE NAME: z09g0521ndex.dgn
PROJECT LEADER: J. READ
DESIGNED BY: ABR
INDEX SHEET

PLOT DATE: 2/5/2016
DRAWN BY: NSB
CHECKED BY: ABR
SHEET 2 OF 27

8700120059

STATE OF VERMONT
AGENCY OF TRANSPORTATION

QUANTITY SHEET 1

SUMMARY OF ESTIMATED QUANTITIES			TOTALS		DESCRIPTIONS				DETAILED SUMMARY OF QUANTITIES		
ROADWAY	EC	RAILROAD	GRAND TOTAL	FINAL	UNIT	ITEMS	ITEM NUMBER	ROUND	QUANTITIES	UNIT	ITEMS
1			1		LS	CLEARING AND GRUBBING, INCLUDING INDIVIDUAL TREES AND STUMPS	201.10				
292			292		CY	UNCLASSIFIED EXCAVATION	203.17	0.59			
125			125		CY	EXCAVATION OF SURFACES AND PAVEMENTS	203.28	1.11			
691			691		CY	EARTH BORROW	203.30				
167			167		CY	SAND BORROW	203.31	0.78			
80			80		CY	TRENCH EXCAVATION OF EARTH	204.20	0.04			
1			1		CY	TRENCH EXCAVATION OF EARTH, EXPLORATORY (N.A.B.I.)	204.22				
562			562		CY	SUBBASE OF DENSE GRADED CRUSHED STONE	301.35	5.06			
9			9		CY	AGGREGATE SURFACE COURSE	401.10	0.08			
1			1		LU	PRICE ADJUSTMENT, ASPHALT CEMENT (N.A.B.I.)	406.50				
970			970		LB	REINFORCING STEEL, LEVEL I	507.11	8.88			
324			324		LF	JOINT SEALER, HOT POURED	524.11	3			
16.8			16.8		CY	CONCRETE, CLASS B	541.25	0.13			
28			28		LF	12" CSP .064 (2-2/3 X 1/2)	601.0005	0.07			
44			44		LF	18" RCP CLASS IV	601.0816	0.31			
1			1		EACH	18" RCPES CLASS III	601.6815				
1			1		EACH	PRECAST REINFORCED CONCRETE MANHOLE WITH CAST IRON COVER	604.21				
9			9		MGAL	DUST CONTROL WITH WATER	609.10	0.07			
1.1			1.1		TON	DUST AND ICE CONTROL WITH CALCIUM CHLORIDE	609.15	0.002			
1.45			1.45		CY	STONE FILL, TYPE II	613.11	0.01			
15			15		LF	VERTICAL GRANITE CURB	616.21				
15			15		LF	REMOVAL OF EXISTING CURB	616.41				
1			1		EACH	RELOCATE MAILBOX, SINGLE SUPPORT	617.10				
7.5			7.5		SY	PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH	618.10				
16			16		SF	DETECTABLE WARNING SURFACE	618.30				
2			2		EACH	STEEL MARKER POSTS	619.16				
161			161		LF	SEAMLESS COPPER WATER TUBE (1 INCH DIA.)	629.23				
1			1		EACH	EXTENSION SERVICE BOX AND CURB STOP (1 INCH DIA.)	629.25				
150			150		HR	UNIFORMED TRAFFIC OFFICERS	630.10				
540			540		HR	FLAGGERS	630.15				
1			1		LS	MOBILIZATION/DEMOBILIZATION	635.11				
1200			1200		LF	DURABLE 4 INCH YELLOW LINE, THERMOPLASTIC	646.412	10			
24			24		LF	DURABLE 24 INCH STOP BAR, THERMOPLASTIC	646.482				
103			103		LF	DURABLE CROSSWALK MARKING, THERMOPLASTIC	646.502				
3			3		EACH	DURABLE RAILROAD CROSSING SYMBOL, THERMOPLASTIC	646.512				
915			915		SF	REMOVAL OF EXISTING PAVEMENT MARKINGS	646.85	1.02			
	186		186		SY	GEOTEXTILE FOR SILT FENCE, WOVEN WIRE REINFORCED	649.515	0.67			
	16		16		LB	SEED	651.15	0.7			
	96		96		LB	FERTILIZER	651.18	0.38			
	0.21		0.21		TON	AGRICULTURAL LIMESTONE	651.20				

PROJECT NAME: ARLINGTON
PROJECT NUMBER: STP 0114 (4)

FILE NAME: Z09G052QS.DGN
PROJECT LEADER: J.READ
DESIGNED BY: LB
QUANTITY SHEET #1

PLOT DATE: 2/22/2016
DRAWN BY: LB
CHECKED BY: ABR
SHEET 3 OF 27

STATE OF VERMONT
AGENCY OF TRANSPORTATION

QUANTITY SHEET 2

SUMMARY OF ESTIMATED QUANTITIES			TOTALS		DESCRIPTIONS				DETAILED SUMMARY OF QUANTITIES		
ROADWAY	EC	RAILROAD	GRAND TOTAL	FINAL	UNIT	ITEMS	ITEM NUMBER	ROUND	QUANTITIES	UNIT	ITEMS
	0.39		0.39		TON	HAY MULCH	651.25	0.01			
	129		129		CY	TOPSOIL	651.35	0.45			
	930		930		SY	TEMPORARY EROSION MATTING	653.20	4.44			
	19		19		CY	TEMPORARY STONE CHECK DAM, TYPE I	653.25	0.04			
	2		2		EACH	INLET PROTECTION DEVICE, TYPE I	653.40				
635			635		LF	PROJECT DEMARCATION FENCE	653.55	2			
115.7			115.7		SF	TRAFFIC SIGNS, TYPE A	675.20				
270			270		LF	SQUARE TUBE SIGN POST AND ANCHOR	675.341				
10			10		EACH	REMOVING SIGNS	675.50				
1			1		EACH	ERECTING SALVAGED SIGNS	675.60				
1			1		EACH	SETTING SALVAGED POSTS	675.61				
138			138		LF	SPECIAL PROVISION (HORIZONTAL DIRECTIONAL DRILLING) (6" CASING PIPE)	900.640				
1			1		LS	SPECIAL PROVISION (MILITARY TANK REMOVED AND RELOCATED)	900.645				
		1	1		LS	SPECIAL PROVISION (RAIL-HIGHWAY CROSSING ACTIVE WARNING SYSTEM) (AARDOT 240-947A)	900.645				
		1	1		LS	SPECIAL PROVISION (TRAFFIC CONTROL, RAIL-HIGHWAY CROSSING)	900.645				
1			1		LU	SPECIAL PROVISION (LEGION SIGN REMOVED AND RELOCATED)	900.650				
		1	1		LU	SPECIAL PROVISION (MAINTENANCE OF RAIL TRAFFIC) (N.A.B.I.)	900.650				
1			1		LU	SPECIAL PROVISION (MAT DENSITY PAY ADJUSTMENT, SMALL QUANTITY) (N.A.B.I.)	900.650				
1			1		LU	SPECIAL PROVISION (MIXTURE PAY ADJUSTMENT) (N.A.B.I.)	900.650				
201			201		TON	SPECIAL PROVISION (BITUMINOUS CONCRETE PAVEMENT, SMALL QUANTITY)	900.680				
2.41			2.41		CWT	SPECIAL PROVISION (EMULSIFIED ASPHALT) (RS-1H OR CRS-1H)	900.683				

PROJECT NAME:	ARLINGTON
PROJECT NUMBER:	STP 0114 (4)
FILE NAME: Z09G052QS.DGN	PLOT DATE: 2/22/2016
PROJECT LEADER: J.READ	DRAWN BY: LB
DESIGNED BY: LB	CHECKED BY: ABR
QUANTITY SHEET #2	SHEET 4 OF 27

ITEM DETAIL AND DRAINAGE SHEET

STATE OF VERMONT
AGENCY OF TRANSPORTATION

DRAINAGE STRUCTURES

STA.	STA.	POSITION	ASKEW	TYPE	DITCH		PIPE ARCH			PIPE		ALLOWABLE OPTIONS						PIPE ELBOW	ES	CB	PRCCD	DEPTH DI	CONC CL B	REIN STEEL	DI GRATE	CHAN ELEV	CRM	TR EXCAV		COMM EXC	UNC CHAN EXC	STRUC EXCAV	GRAN BKF STRUC	GRAN BORR	EROS MATT	STONE FILL		MRKR POSTS		REMARKS
				IN/OUT	IN	OUT	S	R	L	D	L	PCCSP	CAAP	RCP	CSP	CPEP	PCCSP PI											EARTH	ROCK										
			NO. DEG.				IN	IN	FT	IN	FT	TH	TH	CL	TH	SL	TH	NO. DEG	EA	EA		FT	CY	LBS	TYPE	EA	CY	CY	CY	CY	CY	CY	CY	CY	SY	CY	TYPE	LT	RT	
30+30	30+44	RT								18	45			X					1								4.2								2	II	1	1	PROPOSED RCP WITH END SECTION
30+50	31+04	LT								12	30				X												4.0												INSTALL NEW CSP; EXISTING 12" CMP - REMOVE
30+44		RT																		1							4.7												PRC MANHOLE W/CAST IRON COVER
TOTALS										18 12	45 30								1	1							12.9												

GUARD RAIL

STA.	STA.	LT.	RT.	END TREATMENT	
TOTALS					

UNDERDRAIN

STA.	STA.	TYPE	POS.	D	L	TRENCH E	TRENCH R	GRAN BKF	FB	MKR PST
TOTALS										

PROJECT NAME: ARLINGTON
PROJECT NUMBER: STP 0114 (4)

FILE NAME: z09g052dr.dgn
PROJECT LEADER: J. READ
DESIGNED BY: ABR
ITEM DETAIL AND DRAINAGE SHEET

PLOT DATE: 2/5/2016
DRAWN BY: NSB
CHECKED BY: J. READ
SHEET 5 OF 27

STATE OF VERMONT
AGENCY OF TRANSPORTATION

EARTHWORKS

STATION	DIST	TOTAL EXCAVATION EARTH AND ROCK AREA	TOTAL EXCAVATION EARTH AND ROCK VOLUME	ROCK EXCAVATION AREA	ROCK EXCAVATION VOLUME	EMBANKMENT AREA	EMBANKMENT VOLUME		
	FT.	S.F.	C.Y.	S.F.	C.Y.	S.F.	C.Y.	S.F.	C.Y.
LEGION ROAD									
30+07		139.3				0.0			
	4.52		23.1				0.0		
30+11.52		137.3				0.0			
	13.48		44.8				2.5		
30+25		42.0				10.1			
	25		39.9				86.5		
30+50		44.3				176.7			
	25		33.2				210.5		
30+75		27.5				278.1			
	25		17.1				250.7		
31+00		9.4				263.3			
	25		4.6				186.1		
31+25		0.6				138.6		CUT	292
	25		0.7				83.4	ROCK	0
31+50		0.9				41.5		R.FAC	.495
	25		7.6				19.9	FILL	855
31+75		15.6				1.5		F.FAC	1.15
	25		25.7				0.8	EX. F	691
32+00		39.9				0.1			
	5		8.6				0.0		
32+05		53.5				0.0			
	20		35.7				0.0		
32+25		42.9				0.0			
	25		44.6				0.0		
32+50		53.4				0.0			
TANK PAD			5.6				10.0		

STATION	DIST	TOTAL EXCAVATION EARTH AND ROCK AREA	TOTAL EXCAVATION EARTH AND ROCK VOLUME	ROCK EXCAVATION AREA	ROCK EXCAVATION VOLUME	EMBANKMENT AREA	EMBANKMENT VOLUME		
	FT.	S.F.	C.Y.	S.F.	C.Y.	S.F.	C.Y.	S.F.	C.Y.

STATION	DIST	TOTAL EXCAVATION EARTH AND ROCK AREA	TOTAL EXCAVATION EARTH AND ROCK VOLUME	ROCK EXCAVATION AREA	ROCK EXCAVATION VOLUME	EMBANKMENT AREA	EMBANKMENT VOLUME		
	FT.	S.F.	C.Y.	S.F.	C.Y.	S.F.	C.Y.	S.F.	C.Y.

SUMMARY AND BALANCES

STATION TO STATION		TOT EXC. EARTH & ROCK C.Y.	ROCK EXCAV C.Y.	EMBANK C.Y.	EXCESSES CUT	EXCESSES FILL	ACUMULATIVE EXCESSES CUT	ACUMULATIVE EXCESSES FILL
30+07	32+50	292	0	855	0	691	0	691
		292	0	855				

REMARKS

EARTH AND ROCK EXCAVATION	292
SOLID ROCK EXCAVATION	0
EARTH EXCAVATION	292
PLANIMETERED FILL	855
LESS FACTORED SOLID ROCK	0
LESS DISPLACEMENT OF ANY LARGE STRUCTURES	0
NET PLANIMETERED FILL	855
FACTOR	1.15
PLANIMETERED FILL INCLUDING FACTOR	983
MATERIALS AVAILABLE FOR FILLS	0
EARTH EXCAVATION	292
CHANNEL EXCAVATION	0
UNDERDRAIN EXCAVATION	0
STRUCTURE EXCAVATION	0
TOTAL MATERIAL AVAILABLE FOR FILL	292
TOTAL FILL INCLUDING FACTOR	983
TOTAL MATERIAL FOR FILL	292
BORROW	691
EXCESS EXCAVATION	0

PROJECT NAME: ARLINGTON
PROJECT NUMBER: STP 0114 (4)

FILE NAME: Z09G052EW.DGN
PROJECT LEADER: J.READ
DESIGNED BY: LB
EARTHWORKS SHEET

PLOT DATE: 2/5/2016
DRAWN BY: LB
CHECKED BY: ABR
SHEET 6 OF 27

GENERAL INFORMATION

SYMBOLOGY LEGEND NOTE

THE SYMBOLOGY ON THIS SHEET IS INTENDED TO COVER STANDARD CONVENTIONAL SYMBOLOGY. THE SYMBOLOGY IS USED FOR EXISTING & PROPOSED FEATURES WITH HEAVIER LINEWEIGHT, IN COMBINATION WITH PROJECT ANNOTATION, AS NOTED ON PROJECT PLAN SHEETS. THIS LEGEND SHEET COVERS THE BASICS. SYMBOLOGY ON PLANS MAY VARY, PLAN ANNOTATIONS AND NOTES SHOULD BE USED TO CLARIFY AS NEEDED.

R.O.W. ABBREVIATIONS (CODES) & SYMBOLS

POINT	CODE	DESCRIPTION
	CH	CHANNEL EASEMENT
	CONST	CONSTRUCTION EASEMENT
	CUL	CULVERT EASEMENT
	D&C	DISCONNECT & CONNECT
	DIT	DITCH EASEMENT
	DR	DRAINAGE EASEMENT
	DRIVE	DRIVEWAY EASEMENT
	EC	EROSION CONTROL
	HWY	HIGHWAY EASEMENT
	I&M	INSTALL & MAINTAIN EASEMENT
	LAND	LANDSCAPE EASEMENT
	R&RES	REMOVE & RESET
	R&REP	REMOVE & REPLACE
	SR	SLOPE RIGHT
	UE	UTILITY EASEMENT
	(P)	PERMANENT EASEMENT
	(T)	TEMPORARY EASEMENT
■	BNDNS	BOUND SET
⊡	BNDNS	BOUND TO BE SET
●	IPNS	IRON PIN SET
◎	IPNS	IRON PIN TO BE SET
⊠	CALC	EXISTING ROW POINT
○	PROW	PROPOSED ROW POINT
[LENGTH]		LENGTH CARRIED ON NEXT SHEET

COMMON TOPOGRAPHIC POINT SYMBOLS

POINT	CODE	DESCRIPTION
	APL	BOUND APPARENT LOCATION
	BM	BENCH MARK
	BND	BOUND
	CB	CATCH BASIN
	COMB	COMBINATION POLE
	DITHR	DROP INLET THROATED DNC
	EL	ELECTRIC POWER POLE
	FPOLE	FLAGPOLE
	GASFIL	GAS FILLER
	GP	GUIDE POST
	GSO	GAS SHUT OFF
	GUY	GUY POLE
	GUYW	GUY WIRE
	GV	GATE VALUE
	H	TREE HARDWOOD
	HCTRL	CONTROL HORIZONTAL
	HVCTRL	CONTROL HORIZ. & VERTICAL
	HYD	HYDRANT
	IP	IRON PIN
	IPIPE	IRON PIPE
	LI	LIGHT - STREET OR YARD
	MB	MAILBOX
	MH	MANHOLE (MH)
	MM	MILE MARKER
	PM	PARKING METER
	PMK	PROJECT MARKER
	POST	POST STONE/WOOD
	RRSIG	RAILROAD SIGNAL
	RRSL	RAILROAD SWITCH LEVER
	S	TREE SOFTWOOD
	SAT	SATELLITE DISH
	SHRUB	SHRUB
	SIGN	SIGN
	STUMP	STUMP
	TEL	TELEPHONE POLE
	TIE	TIE
	TSIGN	SIGN W/DOUBLE POST
	VCTRL	CONTROL VERTICAL
	WELL	WELL
	WSO	WATER SHUT OFF

THESE ARE COMMON VAOT SURVEY POINT SYMBOLS FOR EXISTING FEATURES, ALSO USED FOR PROPOSED FEATURES WITH HEAVIER LINEWEIGHT, IN COMBINATION WITH PROPOSED ANNOTATION.

PROPOSED GEOMETRY CODES

CODE	DESCRIPTION
PC	POINT OF CURVATURE
PI	POINT OF INTERSECTION
CC	CENTER OF CURVE
PT	POINT OF TANGENCY
PCC	POINT OF COMPOUND CURVE
PRC	POINT OF REVERSE CURVE
POB	POINT OF BEGINNING
POE	POINT OF ENDING
STA	STATION PREFIX
AH	AHEAD STATION SUFFIX
BK	BACK STATION SUFFIX
D	CURVE DEGREE OF (100FT)
R	CURVE RADUIS OF
T	CURVE TANGENT LENGTH
L	CURVE LENGTH OF
E	CURVE EXTERNAL DISTANCE

UTILITY SYMBOLOGY

UNDERGROUND UTILITIES

- UT — TELEPHONE
- UE — ELECTRIC
- UC — CABLE (TV)
- UEC — ELECTRIC+CABLE
- UET — ELECTRIC+TELEPHONE
- UCT — CABLE+TELEPHONE
- UECT — ELECTRIC+CABLE+TELEP.
- G — GAS LINE
- W — WATER LINE
- S — SANITARY SEWER (SEPTIC)

ABOVE GROUND UTILITIES (AERIAL)

- T — TELEPHONE
- E — ELECTRIC
- C — CABLE (TV)
- EC — ELECTRIC+CABLE
- ET — ELECTRIC+TELEPHONE
- AER E&T — ELECTRIC+TELEPHONE
- CT — CABLE+TELEPHONE
- ECT — ELECTRIC+CABLE+TELEP.
- UTILITY POLE GUY WIRE

PROJECT CONSTRUCTION SYMBOLOGY

PROJECT DESIGN & LAYOUT SYMBOLOGY

- CZ — CLEAR ZONE
- PLAN LAYOUT MATCHLINE

PROJECT CONSTRUCTION FEATURES

- TOP OF CUT SLOPE
- TOE OF FILL SLOPE
- STONE FILL
- BOTTOM OF DITCH ℄
- CULVERT PROPOSED
- STRUCTURE SUBSURFACE
- PDF — PDF — PROJECT DEMARCATION FENCE
- BF — BF — BARRIER FENCE
- TREE PROTECTION ZONE (TPZ)
- STRIPING LINE REMOVAL
- SHEET PILES

CONVENTIONAL BOUNDARY SYMBOLOGY

BOUNDARY LINES

- TOWN LINE — TOWN BOUNDARY LINE
- COUNTY LINE — COUNTY BOUNDARY LINE
- STATE LINE — STATE BOUNDARY LINE
- PROPOSED STATE R.O.W. (LIMITED ACCESS)
- PROPOSED STATE R.O.W.
- STATE ROW (LIMITED ACCESS)
- STATE ROW
- TOWN ROW
- PERMANENT EASEMENT LINE (P)
- TEMPORARY EASEMENT LINE (T)
- SURVEY LINE
- P/L — PROPERTY LINE (P/L)
- SR SR SR — SLOPE RIGHTS
- 6f — 6F PROPERTY BOUNDARY
- 4f — 4F PROPERTY BOUNDARY
- HAZ — HAZARDOUS WASTE

EPSC LAYOUT PLAN SYMBOLOGY

EPSC MEASURES

- FILTER CURTAIN
- SILT FENCE
- SILT FENCE WOVEN WIRE
- CHECK DAM
- DISTURBED AREAS REQUIRING RE-VEGETATION
- EROSION MATTING

ENVIRONMENTAL RESOURCES

- WETLAND BOUNDARY
- RIPARIAN BUFFER ZONE
- WETLAND BUFFER ZONE
- SOIL TYPE BOUNDARY
- T&E — THREATENED & ENDANGERED SPECIES
- HAZ — HAZ — HAZARDOUS WASTE AREA
- AG — AGRICULTURAL LAND
- HABITAT — FISH & WILDLIFE HABITAT
- FLOOD PLAIN — FLOOD PLAIN
- OHW — ORDINARY HIGH WATER (OHW)
- STORM WATER
- USDA FOREST SERVICE LANDS
- WILDLIFE HABITAT SUIT/CONN

ARCHEOLOGICAL & HISTORIC

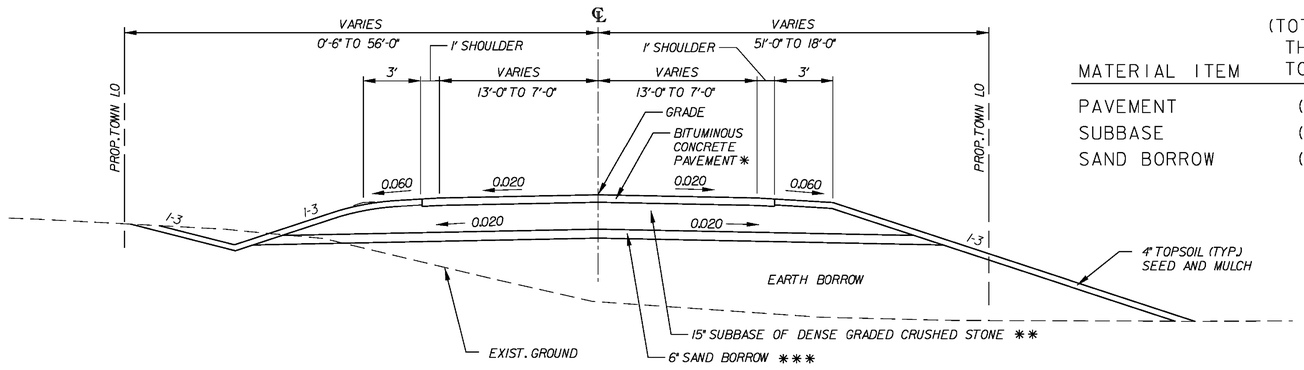
- ARCH — ARCHEOLOGICAL BOUNDARY
- HISTORIC DIST — HISTORIC DISTRICT BOUNDARY
- HISTORIC — HISTORIC AREA
- (H) — HISTORIC STRUCTURE

CONVENTIONAL TOPOGRAPHIC SYMBOLOGY

EXISTING FEATURES

- ROAD EDGE PAVEMENT
- ROAD EDGE GRAVEL
- DRIVEWAY EDGE
- DITCH
- FOUNDATION
- FENCE (EXISTING)
- FENCE WOOD POST
- FENCE STEEL POST
- GARDEN
- ROAD GUARDRAIL
- RAILROAD TRACKS
- CULVERT (EXISTING)
- STONE WALL
- WALL
- WOOD LINE
- BRUSH LINE
- HEDGE
- BODY OF WATER EDGE
- LEDGE EXPOSED

PROJECT NAME:	ARLINGTON
PROJECT NUMBER:	STP 0114 (4)
FILE NAME: r09g052Legend.dgn	PLOT DATE: 2/5/2016
PROJECT LEADER: J. READ	DRAWN BY: LB
DESIGNED BY: LB	CHECKED BY: RWH
CONVENTIONAL SYMBOLOGY - LEGEND	SHEET 7 OF 27



LEGION ROAD
NORMAL SECTION

MATERIAL ITEM	(TOTAL DEPTH) THICKNESS TOLERANCE
PAVEMENT	(+/-) 1/4"
SUBBASE	(+/-) 1"
SAND BORROW	(+/-) 1"

PAVEMENT NOTES

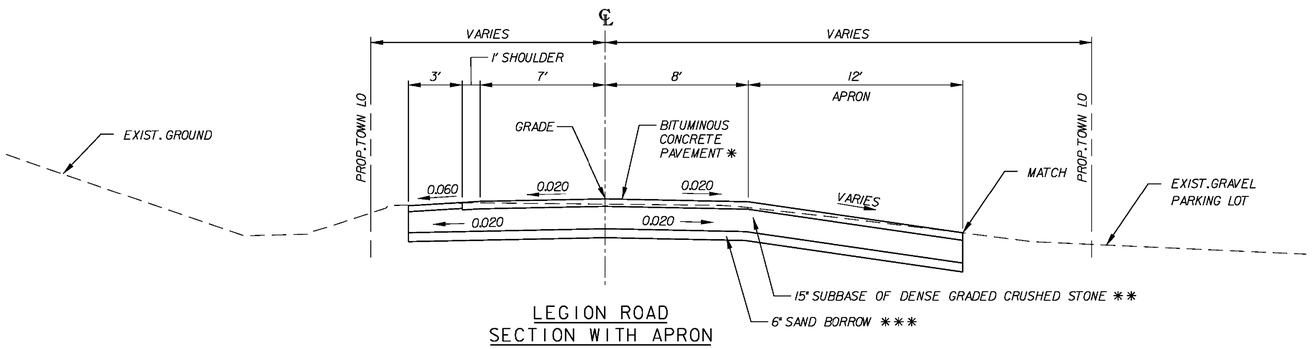
PROPOSED FULL DEPTH CONSTRUCTION:

* 1 1/2" BITUMINOUS CONCRETE PAVEMENT (TYPE III S) (PG 58 - 28)
* 3 1/2" BITUMINOUS CONCRETE PAVEMENT (TYPE I S) (PG 58 - 28)

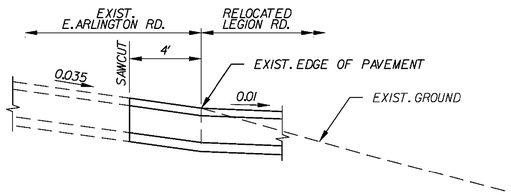
** 15" SUBBASE OF DENSE GRADED CRUSHED STONE

*** 6" SAND BORROW

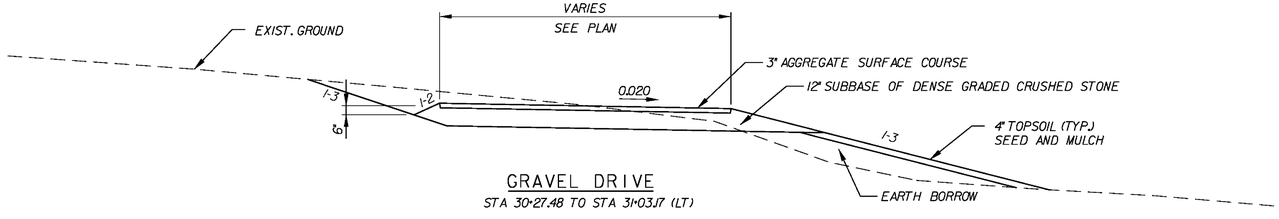
NOTES:
1. THE EMULSIFIED ASPHALT (RS-1H OR CRS-1H), SPECIAL PROVISION ITEM 900.683, SHALL BE APPLIED AT A RATE OF 0.03 GAL/SY JUST PRIOR TO THE PLACEMENT OF THE BITUMINOUS CONCRETE MIXTURE.
2. BITUMINOUS CONCRETE PAVEMENT WILL BE PAID UNDER ITEM 900.680 SPECIAL PEOVISION (BITUMINOUS CONCRETE PAVEMENT, SMALL QUANTITY)



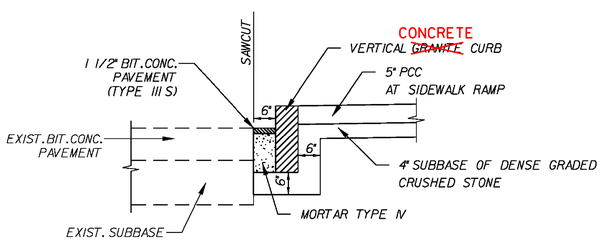
LEGION ROAD
SECTION WITH APRON
STA 32+06.03 TO STA 32+50.00 (RT)



PAVEMENT TRANSITION DETAIL

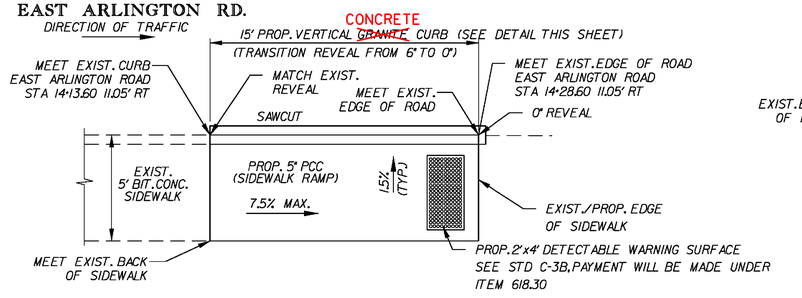


GRAVEL DRIVE
STA 30+27.48 TO STA 31+03.17 (LT)

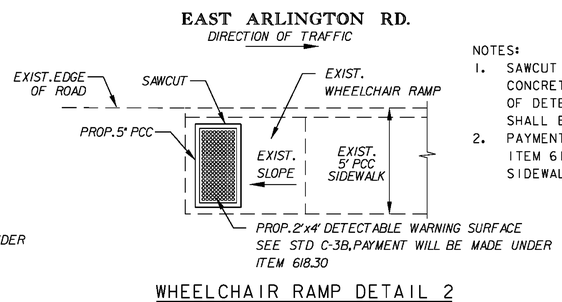


VERTICAL CURB INSTALLATION
SCALE: N.T.S.

NOTES:
1. THIS PROCEDURE IS APPLICABLE ONLY IF CURB IS TO BE SET AFTER BASE AND/OR BINDER COURSES ARE IN PLACE.
2. CUT NEAT LINE 6" FROM CURB LINE AND REMOVE EXIST. BIT. CONC. PAVEMENT, REPLACE WITH MORTAR AND GRAVEL FOR SUBBASE.
3. PAYMENT FOR SAWCUT WILL BE INCLUDED IN ITEM 900.680 SPECIAL PROVISION (BITUMINOUS CONCRETE PAVEMENT, SMALL QUANTITY).



WHEELCHAIR RAMP DETAIL 1
CONSTRUCTION TOLERANCE +/- 0.5%



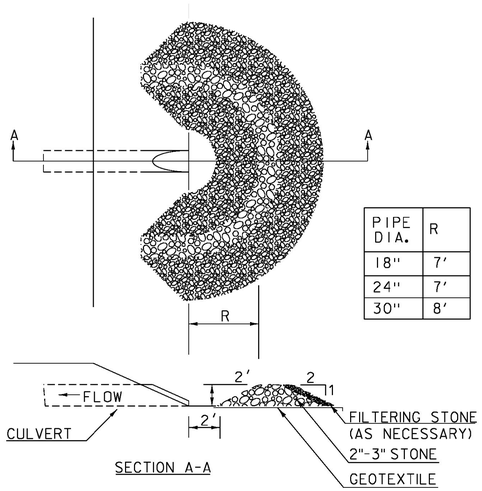
WHEELCHAIR RAMP DETAIL 2

NOTES:
1. SAWCUT REQUIRED AREA OF EXISTING CONCRETE RAMP PRIOR TO INSTALLATION OF DETECTABLE WARNING PANEL. THE PANEL SHALL BE CAST IN PLACE.
2. PAYMENT FOR SAWCUT WILL BE INCLUDED IN ITEM 618.10 PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH.

PROJECT NAME: ARLINGTON
PROJECT NUMBER: STP 0114 (4)

FILE NAME: z09g052xsl.dgn
PROJECT LEADER: J. READ
DESIGNED BY: ABR
TYPICAL SECTIONS

PLOT DATE: 2/19/2016
DRAWN BY: LB
CHECKED BY: J. READ
SHEET 8 OF 27



SECTION A-A

SYMBOL

NOT TO SCALE

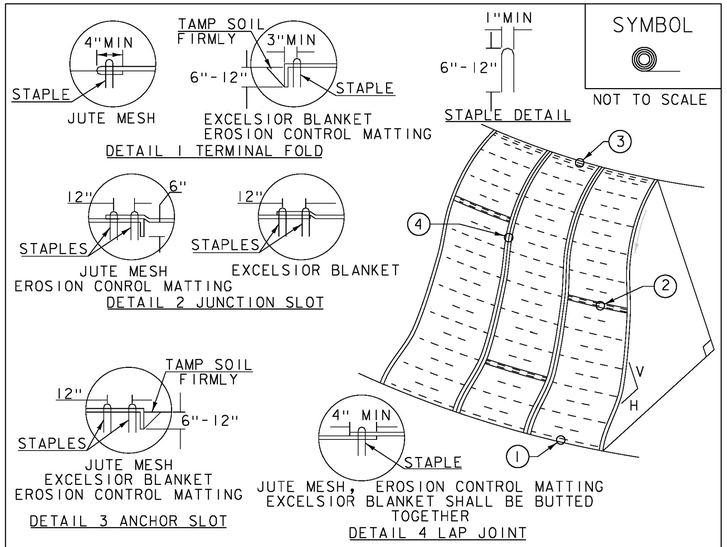
CONSTRUCTION SPECIFICATIONS

1. USE 2" TO 3" STONE. FILTERING STONE SHALL BE 3/4".
2. PLACE STONE OVER GEOTEXTILE.
3. ONCE THE AREAS UPSTREAM FROM THE CHECK DAM ARE STABILIZED WITH VEGETATION, THE SEDIMENT TRAPPED BEHIND THE DAM SHAL BE DISPOSED OF IN AN APPROVED WASTE AREA.
4. THE CHECK DAM(S) SHALL BE FLATTENED AND GRADED IN A MANNER WHICH PROTECTS THE AREA FROM EROSION AND CHANNEL BLOCKAGE . (GEOTEXTILE MUST BE REMOVED).
5. THE GEOTEXTILE MUST BE DISPOSED OF APPROPRIATELY.
6. THE AREA CONTRIBUTING TO THE CHECK DAM SHALL NOT EXCEED 4 ACRES.

ADAPTED FROM DETAILS PROVIDED BY: ILLINOIS USDA-NRCS ORIGINALLY DEVELOPED BY USDA-NRCS	PIPE INLET PROTECTION

REVISIONS	
MARCH 6, 2008	WHF
JANUARY 13, 2009	WHF

THIS WORK SHALL BE PERFORMED IN ACCORDANCE WITH SECTION 653 FOR INLET PROTECTION DEVICE, TYPE I (PAY ITEM 653.40).



SYMBOL

NOT TO SCALE

CONSTRUCTION SPECIFICATIONS

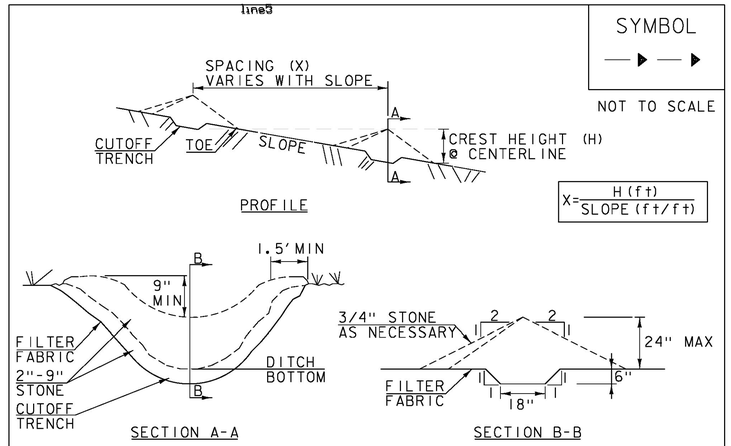
1. APPLY TO SLOPES GREATER THAN 3H:1V OR WHERE NECESSARY TO AID IN ESTABLISHING VEGETATION.
2. APPLY FERTILIZER, LIME SEED PRIOR TO PLACING MATTING.
3. STAPLES ARE TO BE PLACED ALTERNATELY, IN COLUMNS APPROXIMATELY 2' APART AND IN ROWS APPROXIMATELY 3' APART. APPROXIMATELY 175 STAPLES ARE REQUIRED PER 4'X225' ROLL OF MATERIAL AND 125 STAPLES ARE REQUIRED PER 4'X150' ROLL OF MATERIAL.
4. DISTURBED AREAS SHALL BE SMOOTHLY GRADED. EROSION CONTROL MATERIAL SHALL BE PLACED LOOSELY OVER GROUND SURFACE. DO NOT STRETCH.
5. ALL TERMINAL ENDS AND TRANSVERSE LAPS SHALL BE STAPLED AT APPROXIMATELY 12" INTERVALS.

ADAPTED FROM DETAILS PROVIDED BY: NEW YORK STATE DEC ORIGINALLY DEVELOPED BY USDA-NRCS VERMONT DEPARTMENT OF ENVIRONMENTAL CONSERVATION	ROLLED EROSION CONTROL PRODUCT (RECP) SIDE SLOPE

NOTES:
REFER TO "THE VERMONT STANDARDS & SPECIFICATIONS FOR EROSION PREVENTION & SEDIMENT CONTROL -2006- " FROM THE VT AGENCY OF NATURAL RESOURCES FOR ADDITIONAL GUIDANCE.

THIS WORK SHALL BE PERFORMED IN ACCORDANCE WITH SECTION 653 AND AS SHOWN IN THE PLANS FOR TEMPORARY EROSION MATTING (PAY ITEM 653.20)

REVISIONS	
APRIL 16, 2007	JMF
JANUARY 13, 2009	WHF



SYMBOL

NOT TO SCALE

CONSTRUCTION SPECIFICATIONS

1. STONE WILL BE PLACED ON A FILTER FABRIC FOUNDATION.
2. CHECK DAMS SHALL BE SPACED SO THAT THE ELEVATION OF THE CREST OFTHE DOWNSTREAM DAM IS AT THE SAME ELEVATION AS THE TOE OF THE UPSTREAM DAM.
3. 3/4" FILTERING STONE MAY BE ADDED TO THE FACE OF THE CHECK DAM AS NECESSARY.
4. EXTEND THE STONE A MINIMUM OF 1.5' BEYOND THE DITCH BANKS TO PREVENT CUTTING AROUND THE DAM.
5. PROTECT CHANNEL DOWNSTREAM OF THE LOWEST CHECK DAM FROM SCOUR AND EROSION WITH STONE OR LINER AS APPROPRIATE.
6. ENSURE THAT CHANNEL APPURTENANCES SUCH AS CULVERT ENTRANCES BELOW CHECK DAMS ARE NOT SUBJECT TO DAMAGE OR BLOCKAGE FROM DISPLACED STONE.
7. MAXIMUM DRAINAGE AREA 2 ACRES.

ADAPTED FROM DETAILS PROVIDED BY: NEW YORK STATE DEC ORIGINALLY DEVELOPED BY USDA-NRCS VERMONT DEPARTMENT OF ENVIRONMENTAL CONSERVATION	CHECK DAM

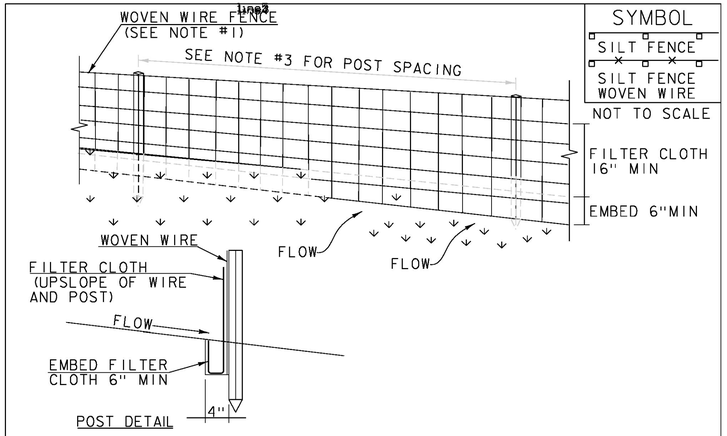
NOTES:
REFER TO "THE VERMONT STANDARDS & SPECIFICATIONS FOR EROSION PREVENTION & SEDIMENT CONTROL -2006- " FROM THE VT AGENCY OF NATURAL RESOURCES FOR ADDITIONAL GUIDANCE.

THIS WORK SHALL BE PERFORMED IN ACCORDANCE WITH SECTION 653 FOR TEMPORARY STONE CHECK DAM, TYPE I (PAY ITEM 653.25)

REVISIONS	
MARCH 21, 2008	WHF
JANUARY 8, 2009	WHF

NTS

PROJECT NAME:	ARLINGTON
PROJECT NUMBER:	STP 0114 (4)
FILE NAME: z09g052erodet.dgn	PLOT DATE: 2/5/2016
PROJECT LEADER: J. READ	DRAWN BY: NSB
DESIGNED BY: ABR	CHECKED BY: ABR
EPSC DETAILS SHEET - 1	SHEET 9 OF 27



CONSTRUCTION SPECIFICATIONS

1. WOVEN WIRE REINFORCED FENCE IS REQUIRED WITHIN 100' UPSLOPE OF RECEIVING WATERS WHEN THE PROJECT FALLS UNDER A CONSTRUCTION STORMWATER PERMIT. WOVEN WIRE SHALL BE A MIN. 14 GAUGE WITH A 6" MAX. MESH OPENING.
2. FILTER CLOTH SHALL BE EITHER FILTER X, MIRAFI100X, STABILINKA T140N OR APPROVED EQUIVALENT.
3. POST SPACING FOR WIRE-BACKED FENCE SHALL BE 10' MAXIMUM. FOR FILTER-CLOTH FENCE, WHEN ELONGATION IS >50%, POST SPACING SHALL NOT EXCEED 4' AND WHEN ELONGATION IS <50%, POST SPACING SHALL NOT EXCEED 6'.
4. WOVEN WIRE FENCE IS TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES. FILTER CLOTH IS TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION.
5. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVER-LAPPED BY 6" AND FOLDED.
6. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN SEDIMENT REACHES HALF OF FABRIC HEIGHT.

ADAPTED FROM DETAILS PROVIDED BY: NEW YORK STATE DEC
ORIGINALLY DEVELOPED BY USDA-NRCS
VERMONT DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SILT FENCE

NOTES:
REFER TO "THE VERMONT STANDARDS & SPECIFICATIONS FOR EROSION PREVENTION & SEDIMENT CONTROL -2006- "FROM THE VT AGENCY OF NATURAL RESOURCES FOR ADDITIONAL GUIDANCE.

REVISIONS	
MARCH 21, 2008	WHF
DECEMBER 11, 2008	WHF
JANUARY 13, 2009	WHF

THIS WORK SHALL BE PERFORMED IN ACCORDANCE WITH SECTION 649 AND AS SHOWN IN THE PLANS FOR GEOTEXTILE FOR SILT FENCE, WOVEN WIRE REINFORCED (PAY ITEM 649.515).

VAOT RURAL AREA MIX

	LBS/AC				
% WEIGHT	BROADCAST	HYDROSEED	NAME	GERM %	PURITY %
37.5 %	22.5	45	CREEPING RED FESCUE	85 %	98 %
37.5 %	22.5	45	TALL FESCUE	90 %	95 %
5.0 %	3	6	RED TOP	90 %	95 %
15.0 %	9	18	BIRDSFOOT TREFOIL	85 %	98 %
5.0 %	3	6	ANNUAL RYE GRASS	85 %	95 %
100 %	60	120			

VAOT URBAN AREA MIX

	LBS/AC				
% WEIGHT	BROADCAST	HYDROSEED	NAME	GERM %	PURITY %
42.5 %	34	68	CREEPING RED FESCUE	85 %	98 %
10.0 %	8	16	PERENNIAL RYE GRASS	90 %	95 %
42.5 %	34	68	KENTUCKY BLUE GRASS	85 %	85 %
5.0 %	4	8	ANNUAL RYE GRASS	85 %	95 %
100 %	80	160			

GENERAL GUIDANCE

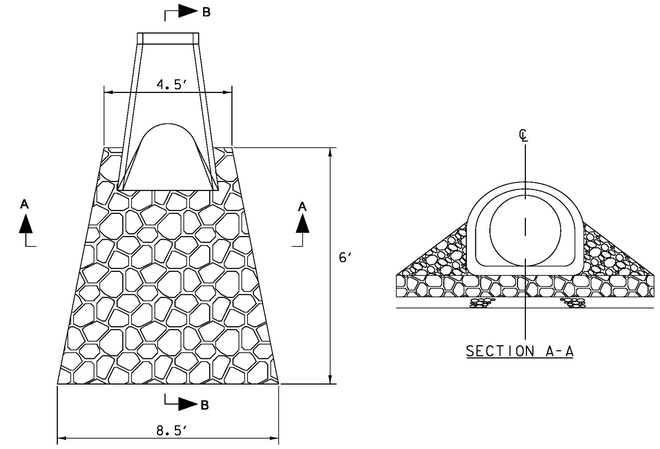
FERTILIZER		LIME	
BROADCAST	HYDROSEED	BROADCAST	HYDROSEED
10/20/10	19-19-19	PELLETIZED	LIQUID
500 LBS/AC		2 TONS/AC	4.4 GAL/AC

CONSTRUCTION GUIDANCE

1. RURAL SEED MIX: USE AS INDICATED IN THE PLANS AND/OR FOR ALL ESTABLISHED UPLAND (NON WETLAND) AREAS DISTURBED BY THE CONTRACTOR.
2. URBAN SEED MIX: USE AS INDICATED IN THE PLANS AND/OR FOR ALL ESTABLISHED LAWN AREAS DISTURBED BY THE CONTRACTOR.
3. ALL SEED MIXTURES: SHALL NOT HAVE A WEED CONTENT EXCEEDING 0.40% BY WEIGHT AND SHALL BE FREE OF ALL NOXIOUS SEED.
4. FERTILIZER AND LIMESTONE: SHALL FOLLOW RATES SHOWN ON PLAN OR AS DIRECTED BY THE ENGINEER
5. HAY MULCH: TO BE PLACED ON EARTH SLOPES AT THE RATE OF 2 TONS/ACRE, ACHIEVE 90% GROUND COVER OR AS DIRECTED BY THE ENGINEER.
6. TOPSOIL: TO BE USED WITH SEED AS INDICATED ON THE PLANS, OR AS DIRECTED BY THE ENGINEER.
7. HYDROSEEDING: ALTHOUGH GUIDANCE IS GIVEN ABOVE THE SITE CONDITIONS AND THE TYPE OF HYDROSEED WILL ULTIMATELY DICTATE THE AMOUNTS AND TYPES OF SOIL AMENDMENTS TO BE APPLIED
8. TURF ESTABLISHMENT: PLACING SEED, FERTILIZER, LIME AND MULCH PRIOR TO SEPTEMBER 15 AND AFTER APRIL 15 CAN BETTER ENSURE A VIGOROUS GROWTH OF GRASS.

SEED

THIS WORK SHALL BE PERFORMED IN ACCORDANCE WITH SECTION 651 FOR SEED (PAY ITEM 651.15)



OUTFALL SPLASH PAD DETAIL

N. T. S.

NOTE: STONE WILL BE PAID FOR UNDER ITEM 613.11

NTS

PROJECT NAME: ARLINGTON
PROJECT NUMBER: STP 0114 (4)

FILE NAME: z09g052erodet.dgn
PROJECT LEADER: J. READ
DESIGNED BY: ABR
EPSC DETAILS SHEET - 2

PLOT DATE: 2/5/2016
DRAWN BY: NSB
CHECKED BY: ABR
SHEET 10 OF 27

GPS CONTROL POINTS

HVCTRL # 1

STANDARD DISK STAMPED
CHEESE 1998
N = 215703.2858
E = 1469176.0870
ELEV. = 635.82

GENERAL LOCATION ARLINGTON, VT. TO REACH FROM THE INTERSECTION OF VT.ROUTES 313 AND 7A IN ARLINGTON GO NORTH ALONG VT ROUTE 7A OR 1.2MI (1.9 KM) TO THE MARK ON THE RIGHT OPPOSITE THE CHEESE HOUSE. THE MARK IS SET FLUSH WITH THE GROUND SURFACE IN THE TOP OF A 30 CM DIAMETER CONCRETE MONUMENT SET 1.3 M (4.3 FT) DEEP. IT IS 2.0 M (6.6 FT) EAST OF AND ABOUT LEVEL WITH EAST EDGE OF PAVEMENT OF VT ROUTE 7A, 20.0 M (65.6 FT) WEST OF WEST RAIL OF VERMONT RAILROAD TRACK, 13.3 M (43.6 FT) SOUTH OF TRAFFIC SIGN WITH MILE MARKER 0071/0201/0521, AND 5.4 M (17.7 FT) NORTH OF POLE NO.3/54/53 AND FIBERGLASS WITNESS POST.

HVCTRL # 2

STANDARD DISK STAMPED
CHEESE AZ
N = 213614.6778
E = 1468337.8900
ELEV. = 653.33

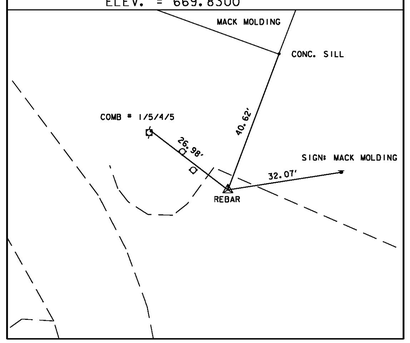
GENERAL LOCATION, ARLINGTON,VT. TO REACH FROM THE INTERSECTION OF VT.ROUTES 313 AND 7A IN ARLINGTON GO NORTH ALONG VT.ROUTE 7A FOR 0.8 MI (1.3 KM) TO THE NORTH END OF THE BRIDGE OVER THE WARM BROOK AND THE MARK ON THE RIGHT. THE MARK IS SET IN THE ABUTMENT ON THE NORTHEAST CORNER OF THE BRIDGE IT IS 5.3 M (17.4 FT) EAST OF AND ABOUT 0.3 M (1.0 FT) HIGHER THAN THE CENTERLINE OF VT.ROUTE 7A, 23.8 M (78.1 FT) SOUTH OF THE CENTERLINE OF LAVER ROAD, 0.1 M (0.3 FT) WEST OF THE EAST FACE OF THE ABUTMENT, AND 7.7 M (25.3 FT) WEST OF POLE NO.38/38 AND A FIBERGLASS WITNESS POST.

• DESCRIPTION PROVIDED BY VERMONT AGENCY OF TRANSPORTATION GEODETIC SURVEY UNIT

TRAVERSE TIES

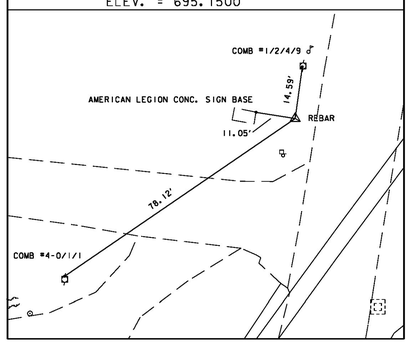
HVCTRL #9

NORTH = 209088.7547
EAST = 1465874.904
ELEV. = 669.8300



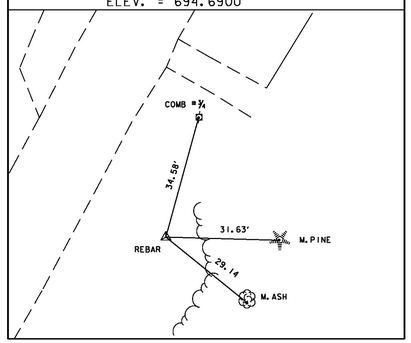
HVCTRL #10

NORTH = 208571.1668
EAST = 1465762.624
ELEV. = 695.1500



HVCTRL #11

NORTH = 208845.1759
EAST = 1466075.953
ELEV. = 694.6900



NORTH = / EAST = / ELEV. =

NORTH = / EAST =

• MAIN TRAVERSE COMPLETED 02/28/04 by L. Orvis & C.HARDING

ALIGNMENT TIES

NORTH = / EAST =

NORTH = / EAST =

NORTH = / EAST =

NORTH = / EAST =

NORTH = / EAST =

DATUM

VERTICAL NAVD 88
HORIZONTAL NAD 83 (96)
ADJUSTMENT COMPASS

PROJECT NAME: ARLINGTON
PROJECT NUMBER: STP 0114 (4)

FILE NAME: x0lg066tie.dgn
PROJECT LEADER: D. BUA
DESIGNED BY:
TIE SHEET

PLOT DATE: 2/5/2016
DRAWN BY: J. HULETT
CHECKED BY: P. HODGE
SHEET II OF 27

STA 33+70 END OF PAVING

N

VT STATE PLANE GRID

NEW BIT. CONC. APRON

LIMIT OF WORK

REMOVE 12" EXIST. SUBGRADE. FILL WITH 12" DENSE GRADED CRUSHED STONE.

MOVED

NEW 1" SEAMLESS COPPER WATER TUBE, CONNECT TO EXISTING 4" CI WATER IN EAST ARLINGTON ROAD. CAP EXISTING ABANDONED 1" WATER SERVICE IN PLACE. PAYMENT WILL BE MADE UNDER ITEM 629.23

EXIST. LOCATION 1" COPPER WATER (APPROX.)

32+50.00
END PROJECT
STP 0114 (3)

EXIST. TOWN R.O.W.

REMOVE EXISTING CONCRETE PAD. PAYMENT WILL BE MADE UNDER ITEM 900.645 SPECIAL PROVISION (MILITARY TANK REMOVED AND RELOCATED)

REMOVE 12" EXIST. LEGION RD. SURFACE. GRADE TO DRAIN, 4" TOPSOIL AND SEED. PAYMENT WILL BE MADE UNDER ITEMS 203.28, 651.35, AND 651.15, RESPECTIVELY.

NEW PCC PAD
SEE CONCRETE PAD DETAIL (SHEET 20). PAYMENT WILL BE MADE UNDER ITEMS 507.11 AND 541.25 REPSECTIVELY.

CONC. PAD REMOVE

NEW SWALE

NEW BIT. CONC. APRON

REMOVE EXIST. 12" CMP AND INSTALL 28'-12" CSP PAYMENT WILL BE MADE UNDER ITEM 601.0005

NEW MANHOLE AND NEW 44'-18" RCP WITH NEW 18" RCPES. PAYMENT WILL BE MADE UNDER ASSOCIATED PIPE ITEMS.
MANHOLE
INV 684.00
STA 30+43.23 OFFSET 52.73
RCEPS
INV 694.44
STA 30+30.90 OFFSET 9.90

MEET EXIST. DRIVE

NEW GRAVEL DRIVE

LIMIT OF PAVEMENT

REPAIR EXISTING CB

SEE NOTE 2

PUSH BRACE

SEE NOTE 3

EXIST. TOWN R.O.W.

EXIST. LOCATION 12" DI WATER (APPROX.)

EXIST. POLE TO BE RETIRED BY OTHERS

RELOCATED MAIL BOX AND PAVE APPROACH

PT
#85.18

EXIST. 4" CI WATER (APPROX.)

EAST ARLINGTON ROAD

12+00 PC
12+06.45

SIDEWALK EXTENDED 12'

EXIST. RR SIGNAL

EXIST. POLE TO BE REPLACED BY OTHERS

EXIST. CEMENT CONC. SIDEWALK

DETECTABLE WARNING SURFACE SEE DETAIL ON SHEET 8 (TYP)

REGRADED EXISTING DITCH LINE

EXISTING SERVICE TO BE CUT AND CAPPED AT MAIN AND EXISTING ABANDONED 1" WATER SERVICE TO BE CAPPED IN PLACE. WORK WILL BE INCLUDED UNDER ITEM 629.23

RR SWITCH
EXIST. 2'x8' SIGNAL CASE

SAWCUT EXISTING PAVEMENT INCIDENTAL TO PAY ITEM 900.680 SPECIAL PROVISION (BITUMINOUS CONCRETE PAVEMENT, SMALL QUANTITY).

30+00.00
BEGIN APPROACH

REGRADE EXISTING DITCH AND PLACED TYPE II STONE

EXIST. TOWN R.O.W.

30+07.00
BEGIN PROJECT
STP 0114 (4)
END APPROACH

NEW EXTENSION SERVICE BOX AND CURB STOP WILL BE PAID UNDER ITEM 629.25

EXIST. RR R.O.W.

VERMONT RAILWAY

NEW BIT. CONC. LEGION ROAD

BUCK HILL ROAD (GRAVEL)

CHITTENDEN RD.

AMERICAN LEGION HALL

AMERICAN LEGION POST 69

COTROFELD, JOSEPH W. AND KATHLEEN H.

GREEN MOUNTAIN POWER CORPORATION

"ARLINGTON SUBSTATION"

DEPEYSTER, VALERIE

MAGINNISS, LINWOOD W. AND BERTA W.

WALSH, JOHN F. III

FRENCH, DONALD AND VICKI

LEGION SIGN

GARAGE

LEGEND:
- EXISTING SURFACE REMOVAL
- TOP OF CUT
- TOE OF SLOPE

NOTES:

1. FOR RAILROAD SIGNALS AND SIGNAL FACILITIES SEE RAILROAD SIGNAL LAYOUT (SHEET 15).
2. EXIST. UTILITY POLE TO BE REPLACED BY OTHERS. EXIST. 15 FT ANCHORS WILL BE REMOVED AND REINSTALLED BY OTHERS ALONG WITH TWO NEW 17 FT ANCHORS.
3. NEW UTILITY POLE WILL BE INSTALLED BY OTHERS WITH 30 FT (MIN.) PUSH BRACE. (LOCATE POLE 45 FT NORTH ALONG EAST ARLINGTON ROAD FROM EXISTING POLE)
4. PAYMENT FOR INSTALLING NEW PIPES WILL BE PAID UNDER THE APPROPRIATE PIPE ITEMS.

0 20 40
SCALE IN FEET

PROJECT NAME:	ARLINGTON
PROJECT NUMBER:	STP 0114 (4)
FILE NAME: z09g052bdr.dgn	PLOT DATE: 2/22/2016
PROJECT LEADER: J. READ	DRAWN BY: NSB
DESIGNED BY: ABR	CHECKED BY: J. READ
ROADWAY LAYOUT	SHEET 12 OF 27

P70II20069

LEGION ROAD ALIGNMENT DATA

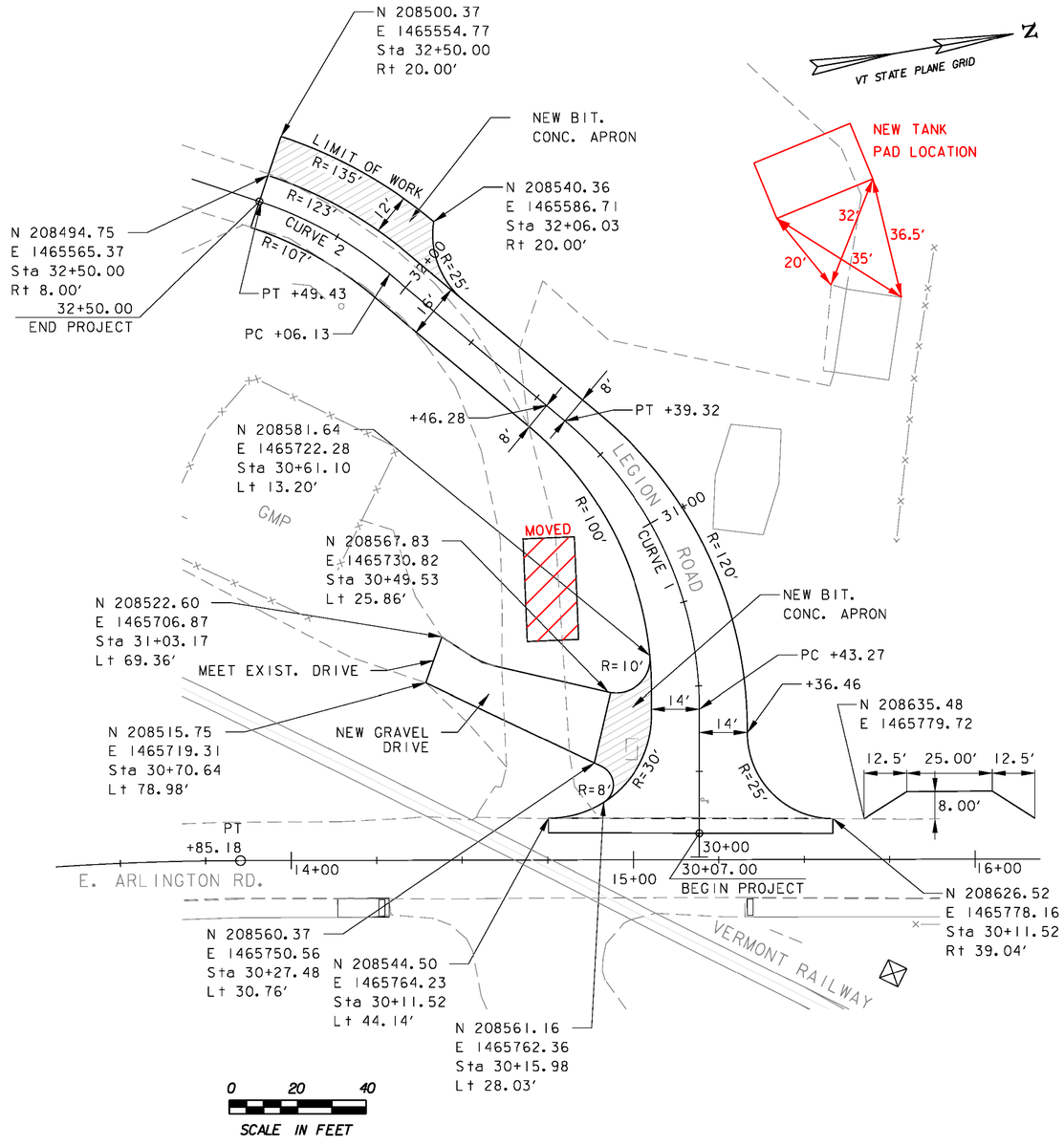
PNTS		STATION	CURVE DATA	NORTHING	EASTING
POB		30+00.00		208586.15	1465782.75
TANGENT		N 80°28'09.86" W L = 43.27'			
PC	CURVE 1	30+43.27	Δ = 50°-01'-58.77" LT	208593.32	1465740.08
PI	CURVE 1	30+94.60	R = 110.00' T = 51.33'	208601.82	1465689.46
PT	CURVE 1	31+39.32	L = 96.06' E = 11.39	208568.48	1465650.43
TANGENT		S 49°29'51.37" W L = 66.81'			
PC	CURVE 2	32+06.13	Δ = 21°-34'-08.76" LT	208525.09	1465599.63
PI	CURVE 2	32+28.04	R = 115.00' T = 21.91'	208510.86	1465582.97
PT	CURVE 2	32+49.43	L = 43.29' E = 2.07	208491.51	1465572.71
TANGENT		S 27°55'42.61" W L = 21.27'			
POE		32+70.70		208472.65	1465562.71

PROJECT LIMITS

	STATION	NORTHING	EASTING
BEGIN PROJECT	30+07.00	208588.02	1465771.62
END PROJECT	32+50.00	208491.00	1465572.44

EDGE OF PAVEMENT LAYOUT DATA

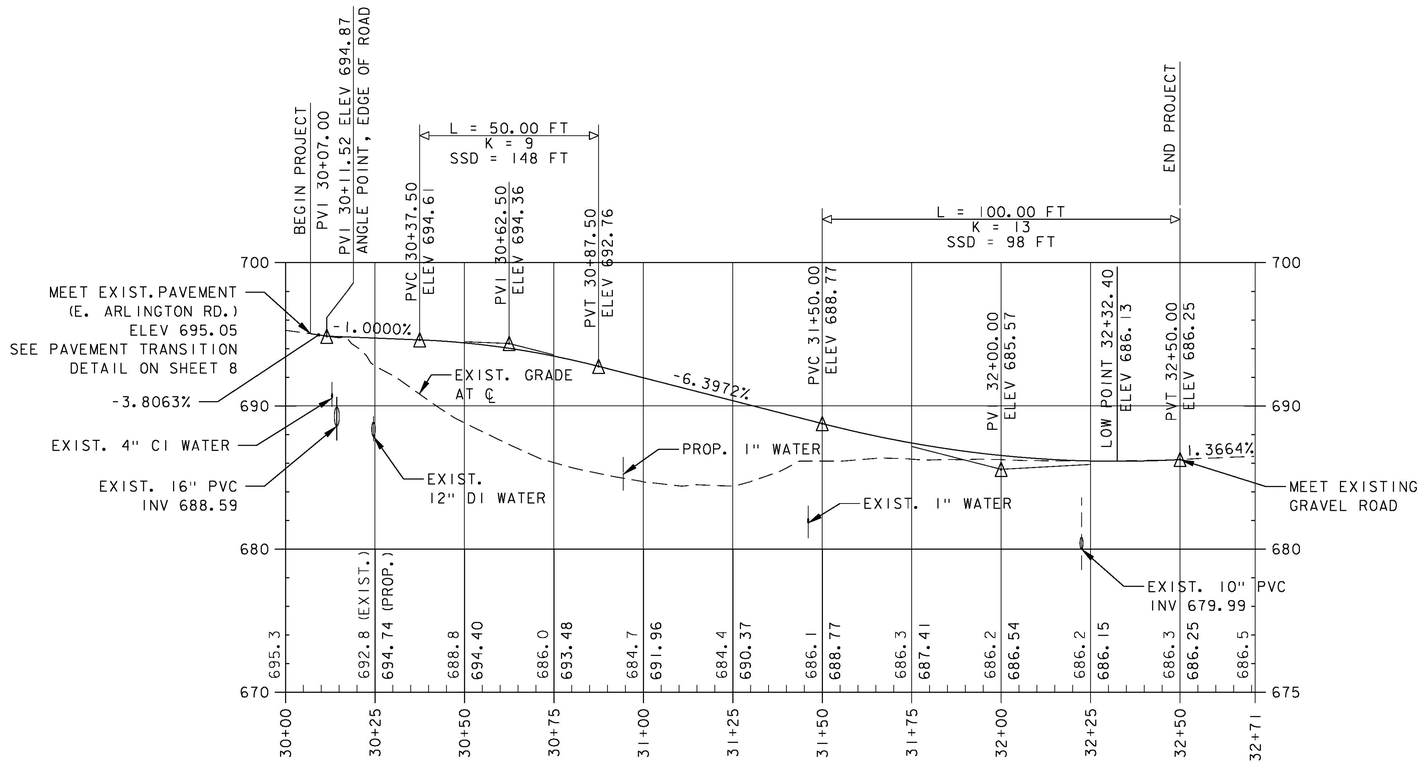
PAVEMENT LEFT EDGE					PAVEMENT RIGHT EDGE				
PNTS	STATION	OFFSET	NORTHING	EASTING	PNTS	STATION	OFFSET	NORTHING	EASTING
PC	30+11.37	44.00' LT	208544.65	1465764.25	PC	30+11.21	39.04' RT	208626.52	1465778.16
	30+25.00	18.86' LT	208571.69	1465754.98		30+25.00	16.69' RT	208606.76	1465760.86
PT	30+41.37	14.00' LT	208579.20	1465739.63	PRC	30+36.46	14.00' RT	208606.00	1465749.11
PC	30+50.09	13.82' LT	208580.50	1465731.89		30+50.00	13.47' RT	208607.62	1465734.83
	30+75.00	12.37' LT	208581.74	1465709.98		30+75.00	11.94' RT	208605.87	1465707.01
	31+00.00	10.80' LT	208578.05	1465687.91		31+00.00	10.32' RT	208597.89	1465680.68
	31+25.00	9.17' LT	208569.36	1465666.89		31+25.00	8.70' RT	208584.34	1465657.15
PT	31+46.21	8.00' LT	208557.92	1465650.39	PT	31+32.89	8.20' RT	208579.05	1465650.48
	31+50.00	8.00' LT	208555.46	1465647.51		31+50.00	8.00' RT	208567.63	1465637.11
	31+75.00	8.00' LT	208539.22	1465628.49		31+75.00	8.00' RT	208551.39	1465618.10
	32+00.00	8.00' LT	208522.99	1465609.48		32+00.00	8.00' RT	208535.16	1465599.09
PC	32+06.12	8.00' LT	208519.01	1465604.83	PC	32+06.12	8.00' RT	208531.18	1465594.44
	32+25.00	8.00' LT	208506.56	1465592.46		32+25.00	8.00' RT	208516.87	1465580.23
PT	32+50.00	8.00' LT	208487.25	1465579.51	PT	32+50.00	8.00' RT	208494.75	1465565.37



PROJECT NAME: ARLINGTON
PROJECT NUMBER: STP 0114 (4)

FILE NAME: z09g052data.dgn
PROJECT LEADER: J. READ
DESIGNED BY: ABR
PROJECT SURVEY / COORDINATE DATA

PLOT DATE: 2/5/2016
DRAWN BY: NSB
CHECKED BY: ABR
SHEET 13 OF 27



PROPOSED LEGION ROAD
PROFILE

PROJECT NAME:	ARLINGTON
PROJECT NUMBER:	STP 0114 (4)
FILE NAME: z09g052xsl.dgn	PLOT DATE: 2/5/2016
PROJECT LEADER: J. READ	DRAWN BY: LB
DESIGNED BY: ABR	CHECKED BY: J. READ
PROFILE	SHEET 14 OF 27

N

VT STATE PLANE GRID

MOVED
~~NEW PCC PAD~~

VERMONT RAILWAY

GRAVEL DRIVE

RELOCATED LEGION ROAD

RELOCATE
LEGION SIGN

30+50

PC Sta 30+43.27

NEW CANTILEVER
SIGNAL MAST
N 208554.62
E 1465758.25

PROP.
MH

NEW 44'- 18" RCP W/ RCP END SECTION

RELOCATED LEGION SIGN.
PAYMENT WILL BE MADE UNDER ITEM 900.650
SPECIAL PROVISION (LEGION SIGN REMOVED
AND RELOCATED).

EXIST. TOWN R.O.W.

EXIST. 4"
CI WATER

EXIST. RR R.O.W.

N 208556.60
E 1465760.25

EXIST. 12" DI
WATER

NEW 53 LF 4" GALVANIZED STEEL
SIGNAL CONDUIT INSTALLED BY HDD
SEE NOTE 4

NEW 70 LF 4" GALVANIZED STEEL
SIGNAL CONDUIT INSTALLED BY HDD
SEE NOTE 4

14+00

15+00

30+00

16+00

EAST ARLINGTON ROAD

REMOVE EXIST. SIGNAL
AND FOUNDATION (TYP.)

N 208561.20
E 1465799.79

N 208610.89
E 1465805.23

NEW 15 LF 4" GALVANIZED STEEL
SIGNAL CONDUIT INSTALLED BY HDD.
SEE NOTE 4 AND DETAIL ON SHEET 18.

EXIST. TOWN R.O.W.

NEW 16'
CANTILEVER SIGNAL
N 208504.85
E 1465791.51

N 208508.70
E 1465790.98

4'-3"

NEW 14'
CANTILEVER
SIGNAL

30+07.00
BEGIN PROJECT
STP 0114 (3)

NEW SIGNAL
WITH BELL
N 208559.82
E 1465806.58

30+00.00
BEGIN APPROACH

REMOVE EXIST.
SIGNAL CASE

N 208599.93
E 1465831.14

N 208599.93
E 1465819.25

NEW POWER DROP POLE
(8" DIA., WOOD)
N 208631.61
E 1465820.53

NEW 6'x6'
SIGNAL CASE
N 208632.27
E 1465826.31

15' (MIN.)

EXIST. RR R.O.W.

BUCK HILL RD.

CHITTENDEN RD.

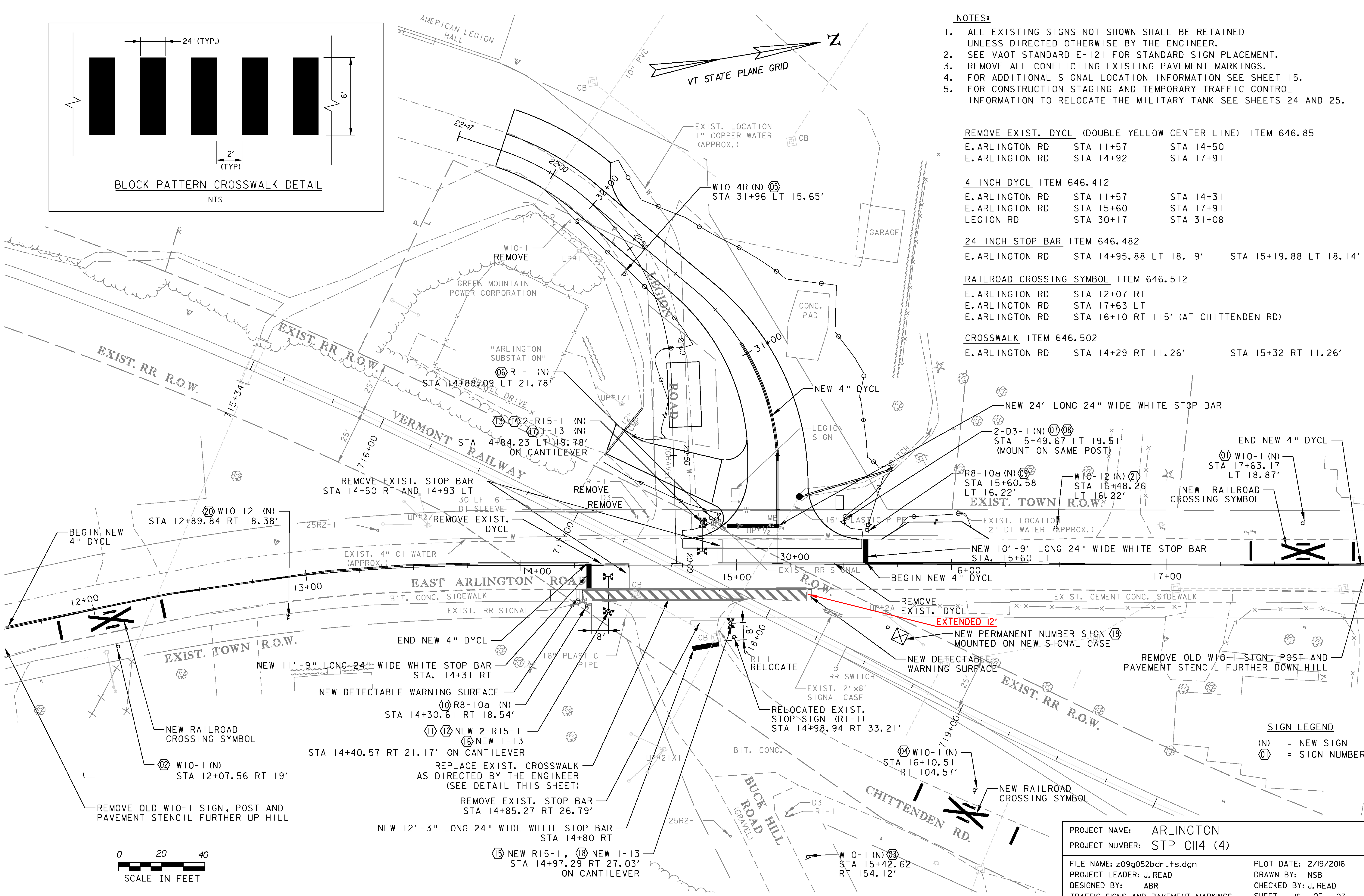
0 10 20
SCALE IN FEET

NOTES:

1. THE CONTRACTOR SHALL DESIGN, FURNISH, AND INSTALL A NEW CONSTANT WARNING TIME, GRADE CROSSING PREDICTOR (GCP) AHCW SYSTEM IN ACCORDANCE WITH THE SPECIAL PROVISION'S PROCUREMENT SPECIFICATIONS, AND REMOVE AND DISPOSE OF UNNECESSARY PORTIONS OF THE EXISTING SYSTEM. THE GCP SHALL BE FURNISHED AND INSTALLED AS A COMPLETE SOLID STATE REDUNDANT SYSTEM OR TWO (2) SOLID STATE CONSTANT WARNING PREDICTORS SHALL BE FURNISHED, INSTALLED, AND INTERCONNECTED BY EXTERNAL CIRCUIT LOGIC. THE EXISTING AHCW SYSTEM IS A STYLE C SYSTEM WITH A MAXIMUM DESIGN TRACK SPEED OF 30 MPH, LOCATED IN JOINTED TRACK. PAYMENT FOR THE TWO NEW CANTILEVERS AND ONE NEW SIGNAL MAST, NEW SIGNAL CASE AND NEW POWER DROP POLE WILL BE MADE UNDER ITEM 900.645 SPECIAL PROVISION (RAIL-HIGHWAY CROSSING ACTIVE WARNING SYSTEM).
2. THE CONTRACTOR SHALL DESIGN, FURNISH, AND INSTALL MODIFICATIONS TO THE TRACK CONTROL CIRCUITS FOR THE AUTOMATIC HIGHWAY CROSSING WARNING SYSTEM TO INCLUDE ALL DOUBLE RAIL BONDING OF TRACK JOINTS AND INSULATED JOINTS REQUIRED. PAYMENT WILL BE INCLUDED UNDER ITEM 900.645 SPECIAL PROVISION (RAIL-HIGHWAY CROSSING ACTIVE WARNING SYSTEM).
3. REMOVAL AND DISPOSAL OF EXIST. ABOVE GROUND SIGNAL MASTS, SIGNAL CASE, SIGNAL FOUNDATIONS, SIGNS, AND SIGNAL WIRES INCLUDING EXCAVATION, BACKFILL, AND REGRADING OR OTHER RESTORATION WORK WILL BE PAID FOR UNDER ITEM 900.645 SPECIAL PROVISION (RAIL-HIGHWAY CROSSING ACTIVE WARNING SYSTEM). REMAINING EXIST. UNDERGROUND SIGNAL DUCT AND CONDUIT SHALL BE ABANDONED AND NOT REMOVED.
4. INSTALL NEW SIGNAL CONDUIT CROSSING ROAD AND TRACK FOR PROPOSED SIGNAL WIRES. ALL HORIZONTAL DIRECTIONAL DRILLING (HDD) WILL BE PAID FOR UNDER ITEM 900.640 SPECIAL PROVISION (HORIZONTAL DIRECTIONAL DRILLING) (6 INCH CASING PIPE).
5. NORTHING AND EASTING PROVIDED TO THE CENTER OF OBJECT UNLESS OTHERWISE NOTED.

PROJECT NAME:	ARLINGTON
PROJECT NUMBER:	STP 0114 (4)
FILE NAME: z09g052signals.dgn	PLOT DATE: 2/22/2016
PROJECT LEADER: J. READ	DRAWN BY: NSB
DESIGNED BY: ABR	CHECKED BY: J. READ
RAILROAD SIGNAL LAYOUT	SHEET 15 OF 27

P701I20069


24" (TYP.)
6'
2'
(TYP)
BLOCK PATTERN CROSSWALK DETAIL
NTS
VT STATE PLANE GRID
N
AMERICAN LEGION HALL
10" PVC
CB
EXIST. LOCATION
1" COPPER WATER
(APPROX.)
GARAGE
CONC. PAD
W10-4R (N) 05
STA 31+96 LT 15.65'
W10-1
REMOVE
GREEN MOUNTAIN
POWER CORPORATION
"ARLINGTON
SUBSTATION"
EXIST. RR R.O.W.
VERMONT RAILWAY
LEGION ROAD
06 R1-1 (N)
STA 14+88.09 LT 21.78'
13 14 2-R15-1 (N)
17 1-13 (N)
STA 14+84.23 LT 19.78'
ON CANTILEVER
NEW 4" DYCL
LEGION SIGN
NEW 24' LONG 24" WIDE WHITE STOP BAR
2-D3-1 (N) 07 08
STA 15+49.67 LT 19.51'
(MOUNT ON SAME POST)
END NEW 4" DYCL
01 W10-1 (N)
STA 17+63.17
LT 18.87'
R8-10a (N) 09
STA 15+60.58
LT 16.22'
W10-12 (N) 21
STA 16+48.26
LT 16.22'
NEW RAILROAD
CROSSING SYMBOL
EXIST. TOWN R.O.W.
REMOVE EXIST. STOP BAR
STA 14+50 RT AND 14+93 LT
R1-1
REMOVE
D3
REMOVE
30 LF 16"
DI SLEEVE
REMOVE EXIST.
DYCL
16" PLASTIC PIPE
EXIST. LOCATION
12" DI WATER (APPROX.)
20 W10-12 (N)
STA 12+89.84 RT 18.38'
BEGIN NEW
4" DYCL
EXIST. 4" CI WATER
(APPROX.)
NEW 10'-9' LONG 24" WIDE WHITE STOP BAR
STA. 15+60 LT
BEGIN NEW 4" DYCL
EAST ARLINGTON ROAD
BIT. CONC. SIDEWALK
EXIST. RR SIGNAL
EXIST. CEMENT CONC. SIDEWALK
12+00
13+00
14+00
15+00
16+00
17+00
30+00
REMOVE
EXIST. DYCL
EXTENDED 12'
NEW PERMANENT NUMBER SIGN 19
MOUNTED ON NEW SIGNAL CASE
NEW DETECTABLE
WARNING SURFACE
REMOVE OLD W10-1 SIGN, POST AND
PAVEMENT STENCIL FURTHER DOWN HILL
END NEW 4" DYCL
8'
NEW 11'-9" LONG 24" WIDE WHITE STOP BAR
STA. 14+31 RT
NEW DETECTABLE WARNING SURFACE
10 R8-10a (N)
STA 14+30.61 RT 18.54'
11 12 NEW 2-R15-1
16 NEW 1-13
STA 14+40.57 RT 21.17' ON CANTILEVER
R1-1
RELOCATE
RR SWITCH
EXIST. 2'x8'
SIGNAL CASE
RELOCATED EXIST.
STOP SIGN (R1-1)
STA 14+98.94 RT 33.21'
EXIST. RR R.O.W.
NEW RAILROAD
CROSSING SYMBOL
02 W10-1 (N)
STA 12+07.56 RT 19'
REPLACE EXIST. CROSSWALK
AS DIRECTED BY THE ENGINEER
(SEE DETAIL THIS SHEET)
REMOVE EXIST. STOP BAR
STA 14+85.27 RT 26.79'
REMOVE OLD W10-1 SIGN, POST AND
PAVEMENT STENCIL FURTHER UP HILL
NEW 12'-3" LONG 24" WIDE WHITE STOP BAR
STA 14+80 RT
15 NEW R15-1, 18 NEW 1-13
STA 14+97.29 RT 27.03'
ON CANTILEVER
BIT. CONC.
BUCK HILL ROAD
(GRAVEL)
CHITTENDEN RD.
04 W10-1 (N)
STA 16+10.51
RT 104.57'
NEW RAILROAD
CROSSING SYMBOL
W10-1 (N) 03
STA 15+42.62
RT 154.12'
0 20 40
SCALE IN FEET
SIGN LEGEND
(N) = NEW SIGN
01 = SIGN NUMBER

NOTES:

1. ALL EXISTING SIGNS NOT SHOWN SHALL BE RETAINED UNLESS DIRECTED OTHERWISE BY THE ENGINEER.
2. SEE VAOT STANDARD E-121 FOR STANDARD SIGN PLACEMENT.
3. REMOVE ALL CONFLICTING EXISTING PAVEMENT MARKINGS.
4. FOR ADDITIONAL SIGNAL LOCATION INFORMATION SEE SHEET 15.
5. FOR CONSTRUCTION STAGING AND TEMPORARY TRAFFIC CONTROL INFORMATION TO RELOCATE THE MILITARY TANK SEE SHEETS 24 AND 25.

REMOVE EXIST. DYCL (DOUBLE YELLOW CENTER LINE) ITEM 646.85

E. ARLINGTON RD	STA 11+57	STA 14+50
E. ARLINGTON RD	STA 14+92	STA 17+91

4 INCH DYCL ITEM 646.412

E. ARLINGTON RD	STA 11+57	STA 14+31
E. ARLINGTON RD	STA 15+60	STA 17+91
LEGION RD	STA 30+17	STA 31+08

24 INCH STOP BAR ITEM 646.482

E. ARLINGTON RD	STA 14+95.88 LT 18.19'	STA 15+19.88 LT 18.14'

RAILROAD CROSSING SYMBOL ITEM 646.512

E. ARLINGTON RD	STA 12+07 RT
E. ARLINGTON RD	STA 17+63 LT
E. ARLINGTON RD	STA 16+10 RT 115' (AT CHITTENDEN RD)

CROSSWALK ITEM 646.502

E. ARLINGTON RD	STA 14+29 RT 11.26'	STA 15+32 RT 11.26'

PROJECT NAME:	ARLINGTON
PROJECT NUMBER:	STP 0114 (4)

FILE NAME: z09g052bdr_ts.dgn	PLOT DATE: 2/19/2016
PROJECT LEADER: J. READ	DRAWN BY: NSB
DESIGNED BY: ABR	CHECKED BY: J. READ
TRAFFIC SIGNS AND PAVEMENT MARKINGS	SHEET 16 OF 27

P70I030065

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET

MILEMARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS EA	WIDTH (in)	HEIGHT (in)	NEW & SALVAGED SIGNS "A"	"B"	SALV SIGN	SALV TIS	EXIST POST RETAIN	SALVAGE	NO. OF POSTS	NEW SIGN POSTS: FLANGED CHANNEL lb/ft 1.12	2.0	3.0	SQUARE STEEL (in) lb/ft 1.75 / 1.88	2.0 / 2.42	2.5 / 3.35	ANCHOR	SLEEVE	TUBULAR ALUMINUM Ø (in) lb/ft 3.0 / 1.3	4.0 / 1.7	4.0 MOD / 1.7	TUBULAR STEEL Ø (in) FOUNDATION	3.0 / 7.6	3.5 / 9.0	4.0 / 10.8	5.0 / 14.6	W-SHAPE STEEL FTG. SIZE 24"	30"	WEIGHT	POST SIZE	SCN FRAME REQUIRED	REMARKS	SIGN DETAIL: DETAIL ON SHEET NUMBER	STD. SHEET NUMBER
												OPTION ITEMS																										
01 02 03 04	R R	4	36	36	28.4						8					120		8																	W10-1		E-190 E-153B
05	T	1	36	36	9.0						2					30		2																	W10-4R		
06	STOP	1	30	30	5.2						1					15		1																	R1-1		E-143
07	Legion Rd	1	26	8	1.3						1					15		1																	D3-1	19	
08	E. Arlington Rd	1	40	8	2.2						-					-		-																	D3-1 MOUNTED WITH 07 AND 12" BRACKETS	19	
09 10	STOP HERE WHEN FLASHING	2	24	30	10.0						2					30		2																	R8-10a		
11 12 13 14 15	RAIL ROAD CROSSING	5	48	18	30.0						-					-		-																	R15-1		E-190
16 17 18	REPORT EMERGENCY OR PROBLEM TO 1-800-286-2726 CROSSING NO 194 B	3	30	18	11.3						-					-		-																	I-13	19	
19	VTR 851-184B U.S. DOT-AAR	1	9	4	0.3						-					-		-																	PERMANENT NUMBER SIGN MOUNTED ON SIGNAL CASE	19	
20 21		2	36	36	18.0						4					60		4																	W10-12	19	
												FT	FT	FT	FT	FT 270	FT		EA	LB	LB	LB		LB	LB	LB	LB								
TOTALS		SF 115.7	SF	EA.	SF							FT				FT 270				LB			EA.	LB				EA.	EA.	LB					

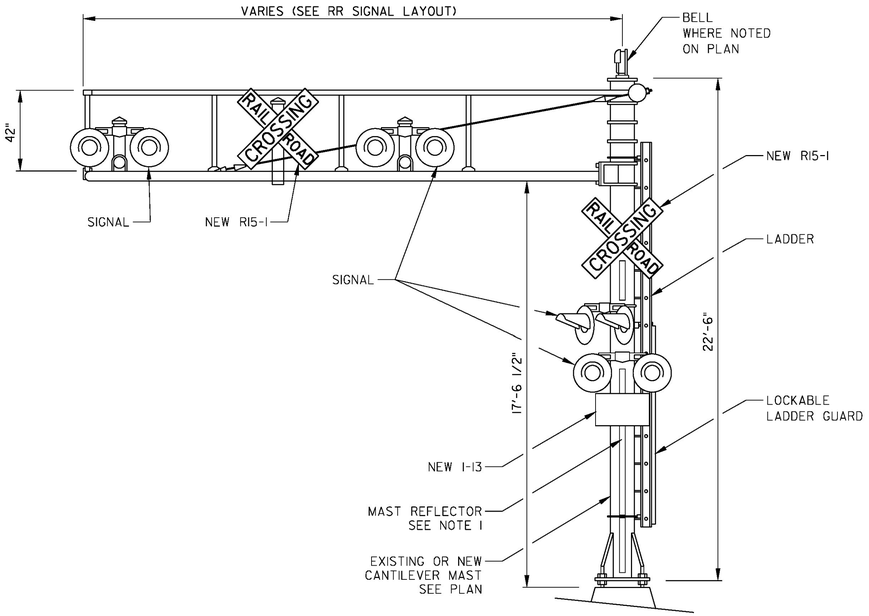
FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE TRAFFIC & SAFETY DIVISION'S "SIGN POST DESIGN GUIDELINE."

PROJECT NAME: ARLINGTON
PROJECT NUMBER: STP 0114 (4)

FILE NAME: z09g052signs.dgn
PROJECT LEADER: J. READ
DESIGNED BY: ABR
TRAFFIC SIGN SUMMARY SHEET

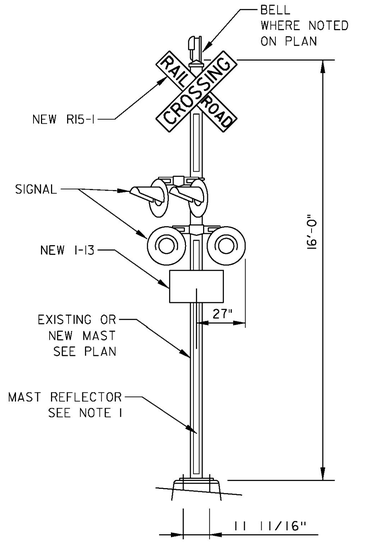
PLOT DATE: 2/5/2016
DRAWN BY: NSB
CHECKED BY: J. READ
SHEET 17 OF 27

P70II20069



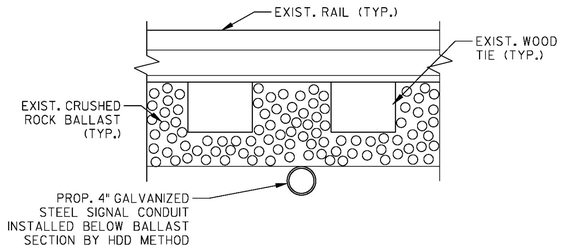
TYPICAL RAILROAD CANTILEVER SIGNAL DETAIL

NTS



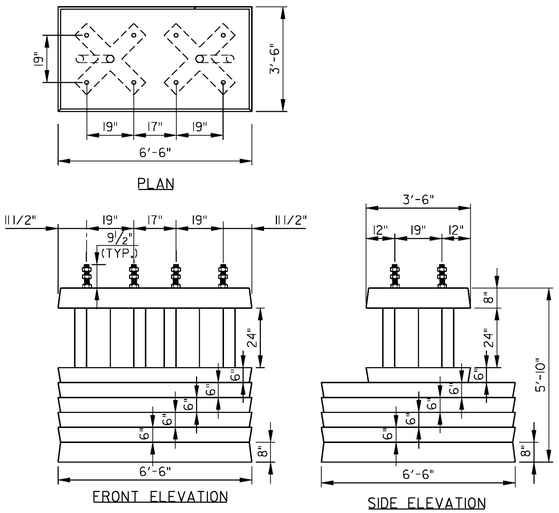
TYPICAL RAILROAD SIGNAL DETAIL

NTS



SIGNAL CONDUIT INSTALLATION BELOW TRACK

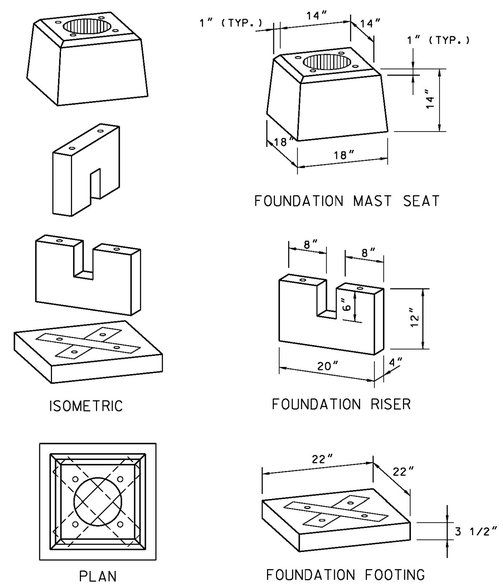
NTS



TYPICAL DOUBLE MAST FOUNDATION DETAIL

NTS

NOTE:
CONTACTOR MAY ELECT TO SUBSTITUTE POURED IN PLACE REINFORCED CONCRETE FOUNDATIONS WITH PROPER SIZE AND LENGTH ANCHOR BOLTS DESIGNED BY THE SIGNAL MANUFACTURER.



TYPICAL FOUNDATION DETAIL

NTS

NOTES:

1. A STRIP OF ASTM TYPE III MIN. RETROREFLECTIVE WHITE MATERIAL NOT LESS THAN 2 INCHES IN WIDTH, SHALL BE USED ON EACH SUPPORT AT HIGHWAY-RAIL GRADE CROSSING FOR THE FULL LENGTH OF THE FRONT AND BACK OF THE SUPPORT FROM THE CROSSBUCK SIGN OR NUMBER OF TRACKS SIGN TO NEAR GROUND LEVEL.
2. PLACE THREE I-I3 SIGNS, ONE AT EACH CROSSING APPROACH, MOUNTED TO THE SIGNAL MAST.
3. FLASHING LIGHT SIGNAL EQUIPMENT SHALL BE I2" LED FLASHING LIGHT UNITS.
4. PAYMENT FOR FURNISHING AND INSTALLING THE NEW FOUNDATIONS, SIGNAL MASTS, AND I2" LED FLASHING LIGHT UNITS AS SHOWN ON SHEET I5 WILL BE MADE UNDER PAY ITEM 900.645 SPECIAL PROVISION (RAIL-HIGHWAY CROSSING ACTIVE WARNING SYSTEM.)

PROJECT NAME:	ARLINGTON
PROJECT NUMBER:	STP 0114 (4)
FILE NAME: z09g052rrdetails.dgn	PLOT DATE: 2/19/2016
PROJECT LEADER: A. RIEGER	DRAWN BY: NSB
DESIGNED BY: ABR	CHECKED BY: J. READ
RAILROAD SIGNAL DETAILS	SHEET 18 OF 27

PERMANENT NUMBER SIGN

NTS

PERMANENT NUMBER SIGN NOTES:

1. PERMANENT NUMBER SIGN PLATE SHALL BE MADE UP OF 0.032 GAGE ALUMINUM WITH RAISED NUMBERS AND LETTERS. SEE SPECIFICATIONS ITEM 900.645 SPECIAL PROVISION (RAIL-HIGHWAY CROSSING ACTIVE WARNING SYSTEM)

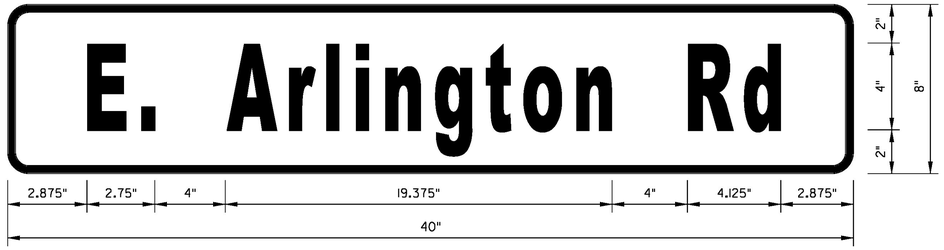
I-13 SIGN

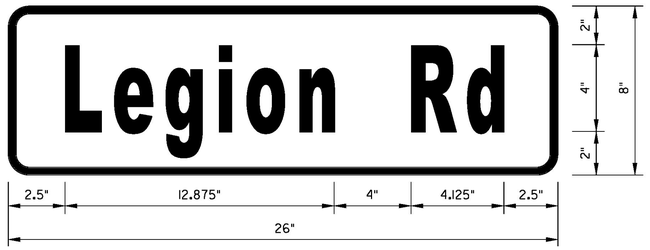
COLORS:

LEGEND	WHITE	(RETROREFLECTIVE)
BACKGROUND	BLUE	(RETROREFLECTIVE)

NOTES:

1. THE EMERGENCY CONTACT TELEPHONE NUMBER IS 1-888-265-2735, THE CROSSING NUMBER IS 851-184B ON E. ARLINGTON ROAD.
2. PLACE THREE I-13 SIGNS AT EACH CROSSING. ONE ON EACH SIDE OF THE CROSSING AND ONE ON THE SIGNAL CASE OR HOUSE.





D3-1 SIGNS

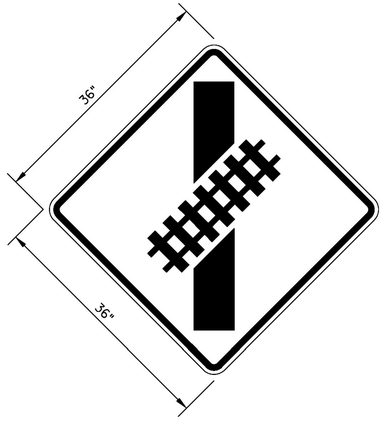
NTS

COLORS:

ROAD NAME	WHITE	(RETROREFLECTIVE)
BACKGROUND	GREEN	(RETROREFLECTIVE)
BORDER	WHITE	(RETROREFLECTIVE)

D3-1 SIGN NOTES:

1. BORDER THICKNESS IS 0.375" WITH 1" RADIUS AT CORNERS.



W10-12 SIGN

NTS

COLORS:

LEGEND	BLACK	
BACKGROUND	YELLOW	(RETROREFLECTIVE)

PROJECT NAME:	ARLINGTON
PROJECT NUMBER:	STP 0114 (4)
FILE NAME: z09g052rrdetails.dgn	PLOT DATE: 2/5/2016
PROJECT LEADER: J. READ	DRAWN BY: LB
DESIGNED BY: ABR	CHECKED BY: J. READ
SIGN DETAILS	SHEET 19 OF 27

N

VT STATE PLANE GRID

EDGE OF PROP. LEGION ROAD

RELOCATED LEGION ROAD

EDGE OF PROP. LEGION ROAD

PT +39.32

STA. 31+09.36
N 208584.6179
E 1465675.5681

21.00 FT

PROP. DITCH

EXIST. LAYOUT
N 208561.8429
E 1465714.1751
ELEV. 691.00

N 208565.5698
E 1465684.4075
ELEV. 690.70

VARIES (1:3 MAX.)

PROPOSED CONCRETE PAD

15'-0"

EXIST. LAYOUT

EXIST. PROPERTY LINE LAYOUT

1:3

30'-0"

P L

N 208546.9591
E 1465712.3116
ELEV. 691.00

EXIST. LAYOUT

PROP. GRAVEL DRIVE

N 208550.6860
E 1465682.5440
ELEV. 690.70

LIMIT OF EXISTING GRAVEL ROAD

REMOVE EXISTING ROADWAY SURFACE; TOPSOIL, SEED AND MULCH (TYP.) PAYMENT WILL BE MADE UNDER ITEMS 203.28, 651.35, AND 651.15, RESPECTIVELY.

EXIST. DITCH

PLAN VIEW
SCALE: 1"=4'-0"

LIMIT OF EXISTING GRAVEL ROAD

REMOVE EXISTING ROADWAY SURFACE; TOPSOIL, SEED AND MULCH (TYP.) PAYMENT WILL BE MADE UNDER ITEMS 203.28, 651.35, AND 651.15, RESPECTIVELY.

30'-0"

12" CONCRETE, CLASS B

6" (TYP)

#5 REINFORCING STEEL, LEVEL 1
12" O.C. BOTH DIRECTIONS
16-S0501-29'-6" LG.
31-S0502-14'-6" LG.

1%

EXIST. GROUND

1:3

EARTH BORROW

12" SUBBASE OF DENSE GRADED CRUSHED STONE

3" CLEAR (TYP.)

PROP. GRAVEL DRIVE

6%

4" TOPSOIL (TYP.)

EXIST. GROUND

CONCRETE PAD DETAIL
SECTION A-A
SCALE: 1"=4'-0"

LEGEND:

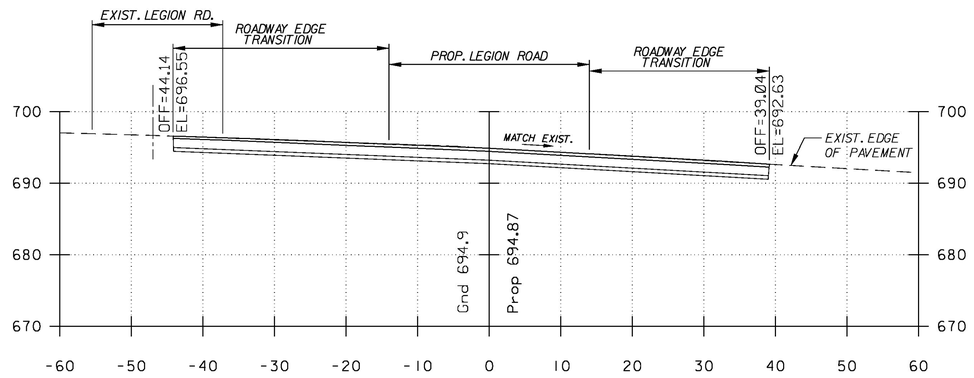
EXISTING SURFACE REMOVAL

TOP OF CUT

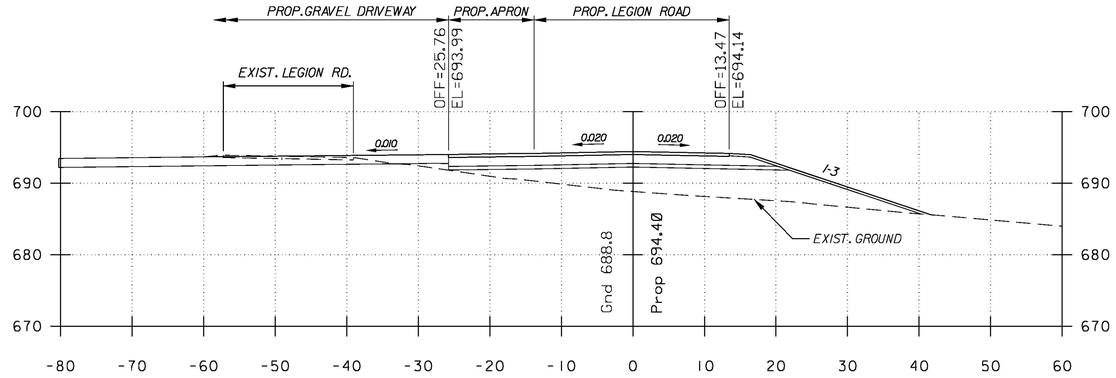
TOE OF SLOPE

PROJECT NAME:	ARLINGTON
PROJECT NUMBER:	STP 0114 (4)
FILE NAME: z09g052cpdetail.dgn	PLOT DATE: 2/19/2016
PROJECT LEADER: J. READ	DRAWN BY: NSB
DESIGNED BY: ABR	CHECKED BY: J. READ
CONCRETE PAD DETAILS	SHEET 20 OF 27

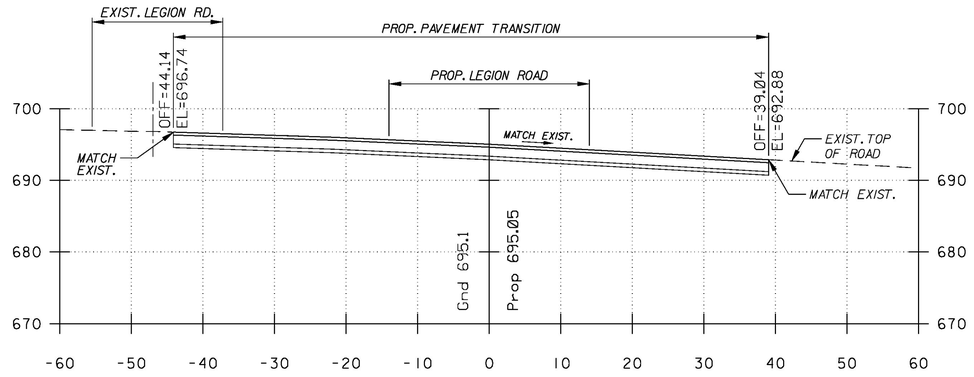
P701120069



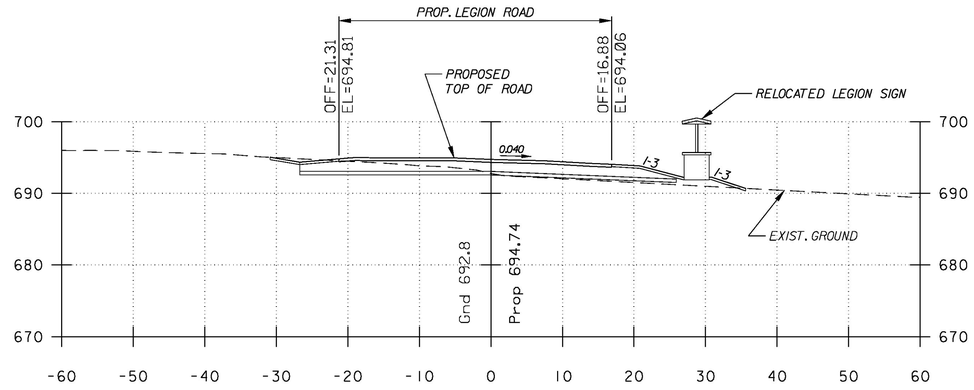
30+11.52 EDGE OF E. ARLINGTON ROAD



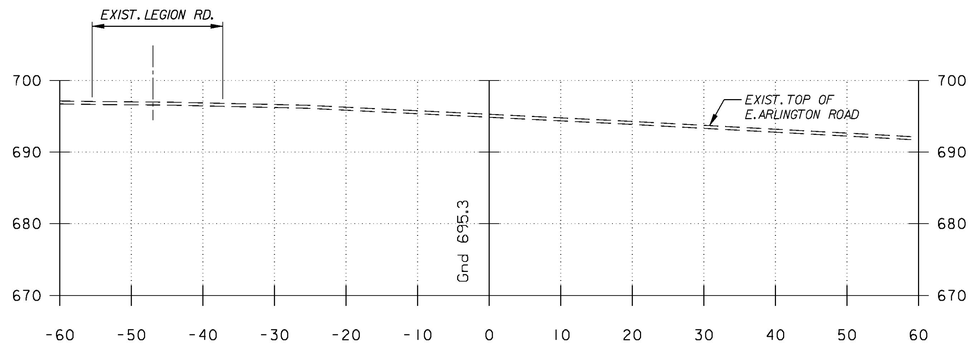
30+50



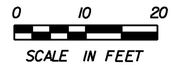
30+07 BEGIN PROJECT



30+25



30+00 BEGIN APPROACH

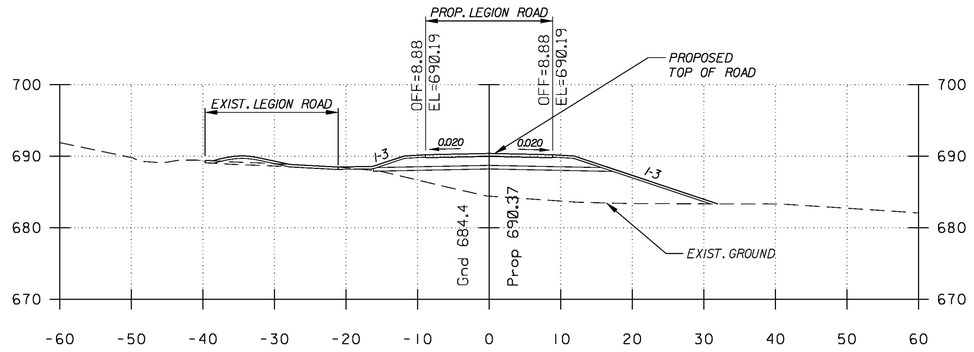


STA. 30+00 - 30+50

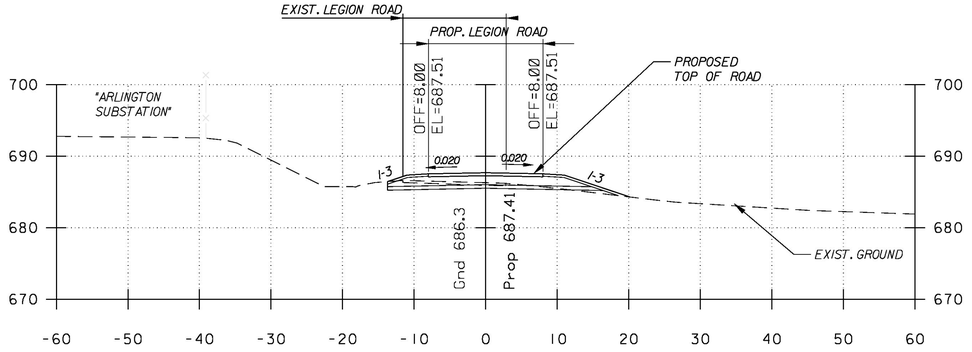
PROJECT NAME: ARLINGTON
PROJECT NUMBER: STP 0114 (4)

FILE NAME: z09g052xsl.dgn
PROJECT LEADER: A. RIEGER
DESIGNED BY: LB
CROSS SECTIONS - 1

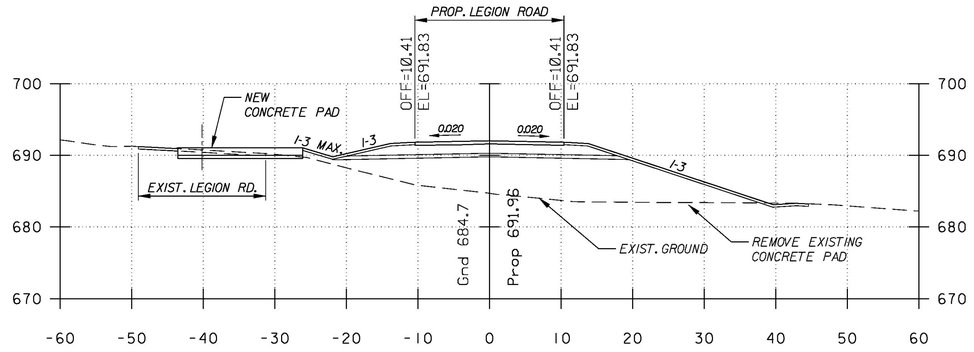
PLOT DATE: 2/5/2016
DRAWN BY: LB
CHECKED BY: J. READ
SHEET 21 OF 27



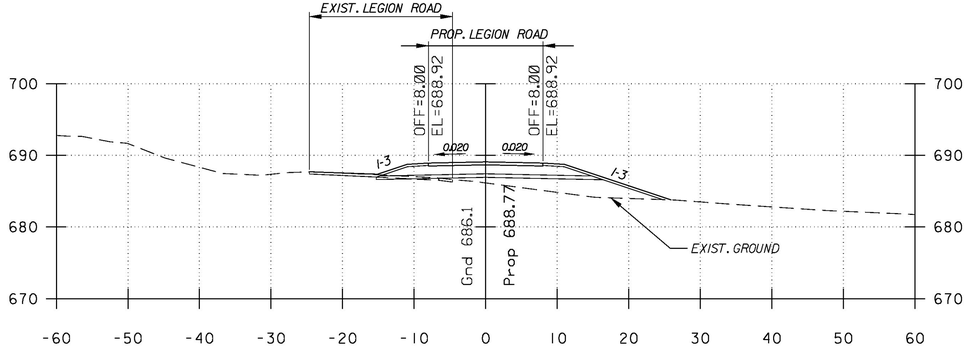
31+25



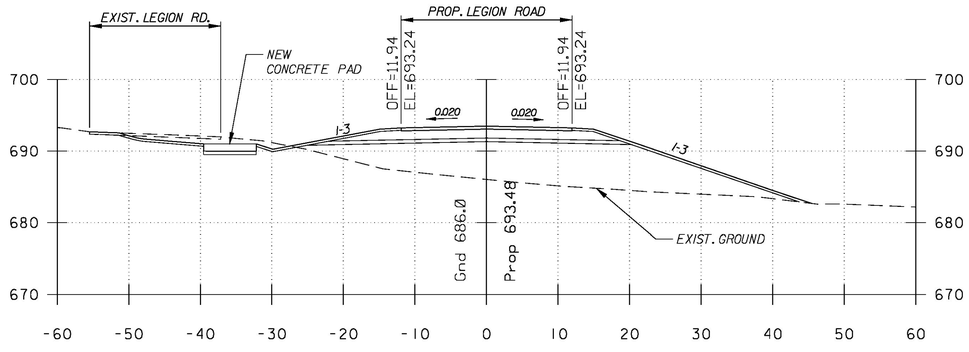
31+75



31+00



31+50



30+75

0 10 20

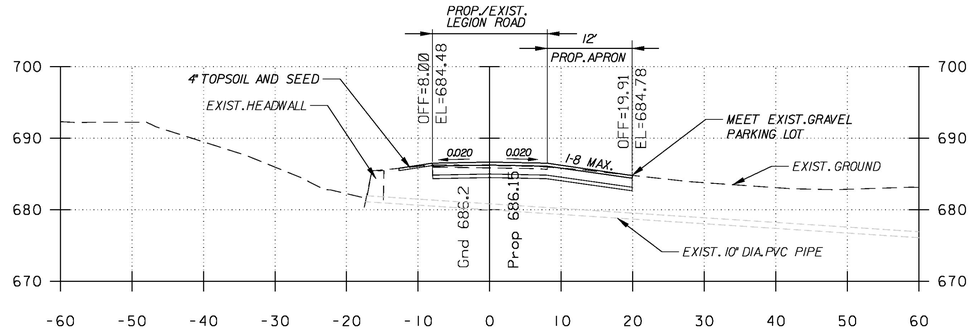
SCALE IN FEET

STA. 30+75 - 31+75

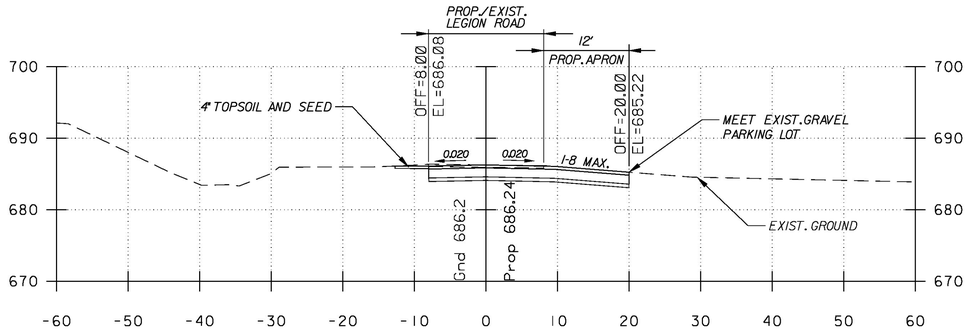
PROJECT NAME: ARLINGTON
PROJECT NUMBER: STP 0114 (4)

FILE NAME: z09g052xsl.dgn
PROJECT LEADER: J. READ
DESIGNED BY: ABR
CROSS SECTIONS - 2

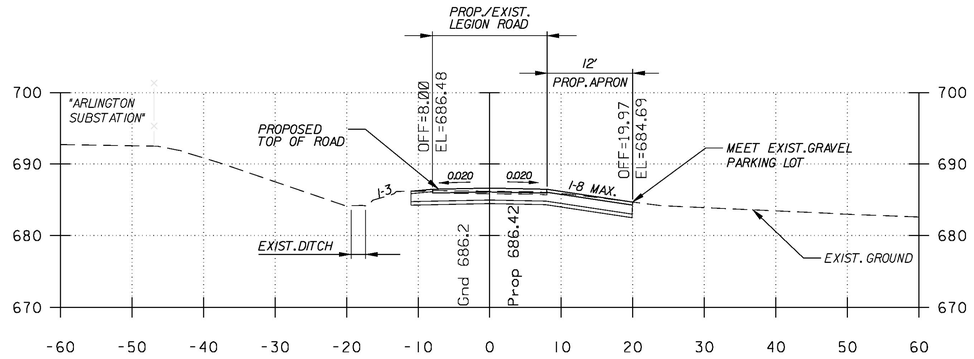
PLOT DATE: 2/5/2016
DRAWN BY: LB
CHECKED BY: J. READ
SHEET 22 OF 27



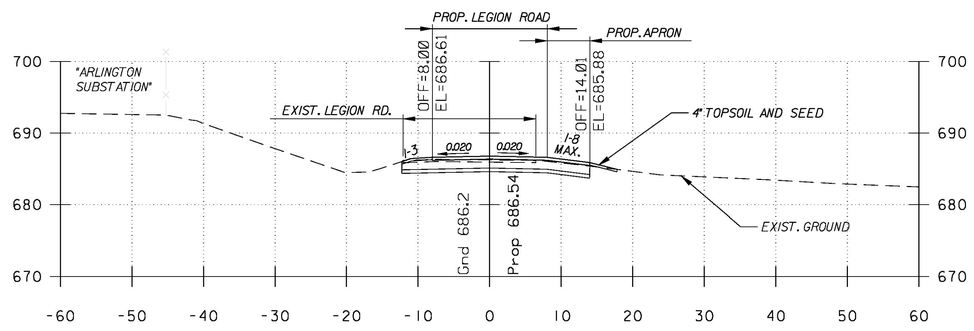
32+25



32+50 END PROJECT



32+05



32+00

0 10 20

SCALE IN FEET

STA. 32+00 - 32+50

PROJECT NAME:	ARLINGTON
PROJECT NUMBER:	STP 0114 (4)

FILE NAME: z09g052xsl.dgn	PLOT DATE: 2/5/2016
PROJECT LEADER: J. READ	DRAWN BY: LB
DESIGNED BY: ABR	CHECKED BY: J. READ
CROSS SECTIONS - 3	SHEET 23 OF 27

STAGE I

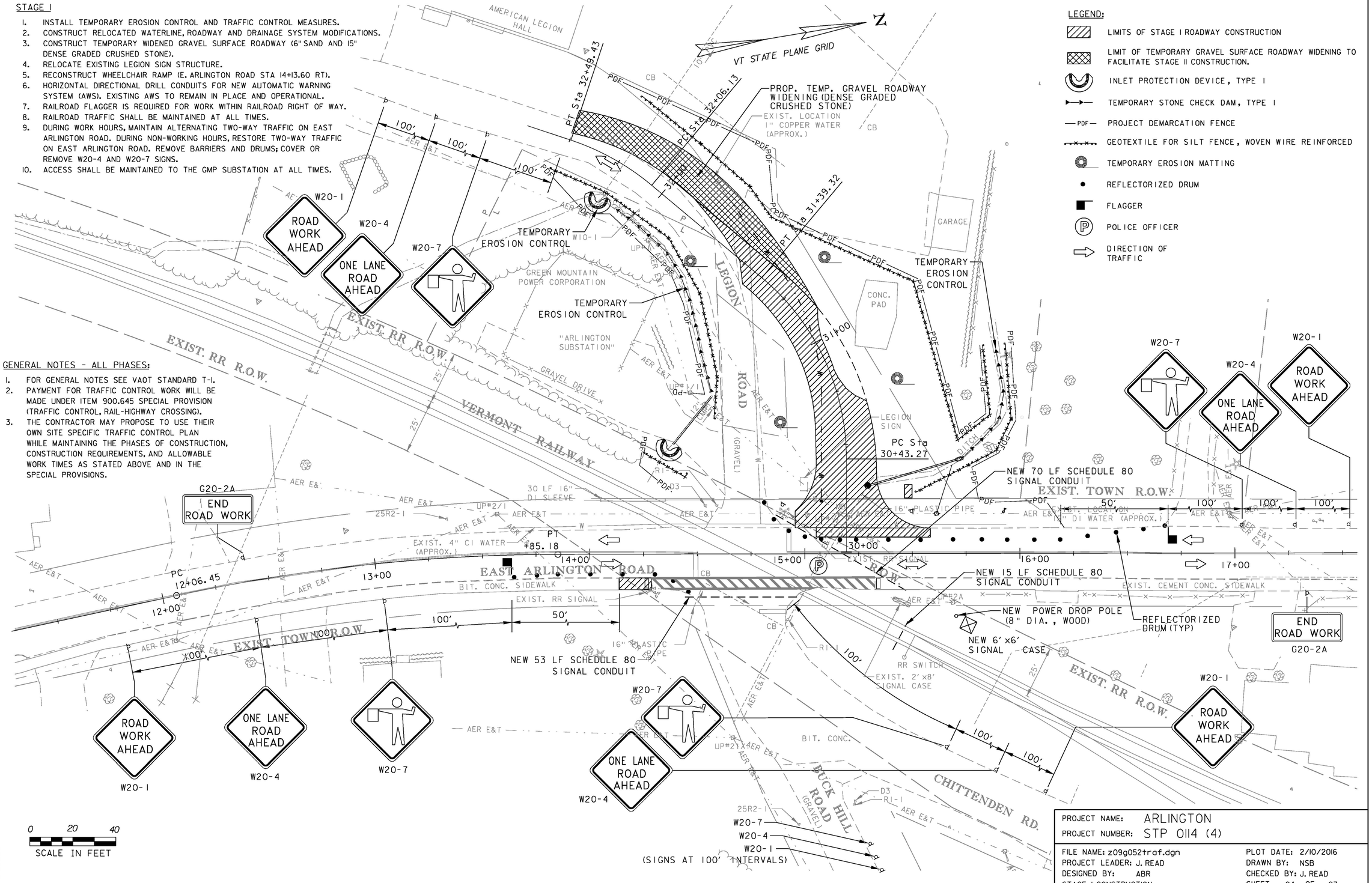
1. INSTALL TEMPORARY EROSION CONTROL AND TRAFFIC CONTROL MEASURES.
2. CONSTRUCT RELOCATED WATERLINE, ROADWAY AND DRAINAGE SYSTEM MODIFICATIONS.
3. CONSTRUCT TEMPORARY WIDENED GRAVEL SURFACE ROADWAY (6" SAND AND 15" DENSE GRADED CRUSHED STONE).
4. RELOCATE EXISTING LEGION SIGN STRUCTURE.
5. RECONSTRUCT WHEELCHAIR RAMP (E. ARLINGTON ROAD STA 14+13.60 RT).
6. HORIZONTAL DIRECTIONAL DRILL CONDUITS FOR NEW AUTOMATIC WARNING SYSTEM (AWS). EXISTING AWS TO REMAIN IN PLACE AND OPERATIONAL.
7. RAILROAD FLAGGER IS REQUIRED FOR WORK WITHIN RAILROAD RIGHT OF WAY.
8. RAILROAD TRAFFIC SHALL BE MAINTAINED AT ALL TIMES.
9. DURING WORK HOURS, MAINTAIN ALTERNATING TWO-WAY TRAFFIC ON EAST ARLINGTON ROAD. DURING NON-WORKING HOURS, RESTORE TWO-WAY TRAFFIC ON EAST ARLINGTON ROAD. REMOVE BARRIERS AND DRUMS; COVER OR REMOVE W20-4 AND W20-7 SIGNS.
10. ACCESS SHALL BE MAINTAINED TO THE GMP SUBSTATION AT ALL TIMES.

GENERAL NOTES - ALL PHASES:

1. FOR GENERAL NOTES SEE VAOT STANDARD T-1.
2. PAYMENT FOR TRAFFIC CONTROL WORK WILL BE MADE UNDER ITEM 900.645 SPECIAL PROVISION (TRAFFIC CONTROL, RAIL-HIGHWAY CROSSING).
3. THE CONTRACTOR MAY PROPOSE TO USE THEIR OWN SITE SPECIFIC TRAFFIC CONTROL PLAN WHILE MAINTAINING THE PHASES OF CONSTRUCTION, CONSTRUCTION REQUIREMENTS, AND ALLOWABLE WORK TIMES AS STATED ABOVE AND IN THE SPECIAL PROVISIONS.

LEGEND:

- LIMITS OF STAGE I ROADWAY CONSTRUCTION
- LIMIT OF TEMPORARY GRAVEL SURFACE ROADWAY WIDENING TO FACILITATE STAGE II CONSTRUCTION.
- INLET PROTECTION DEVICE, TYPE I
- TEMPORARY STONE CHECK DAM, TYPE I
- PDF — PROJECT DEMARCATION FENCE
- GEOTEXTILE FOR SILT FENCE, WOVEN WIRE REINFORCED
- TEMPORARY EROSION MATTING
- REFLECTORIZED DRUM
- FLAGGER
- POLICE OFFICER
- DIRECTION OF TRAFFIC



PROJECT NAME:	ARLINGTON
PROJECT NUMBER:	STP 0114 (4)
FILE NAME: z09g052traf.dgn	PLOT DATE: 2/10/2016
PROJECT LEADER: J. READ	DRAWN BY: NSB
DESIGNED BY: ABR	CHECKED BY: J. READ
STAGE I CONSTRUCTION	SHEET 24 OF 27

P70112006S

STAGE II

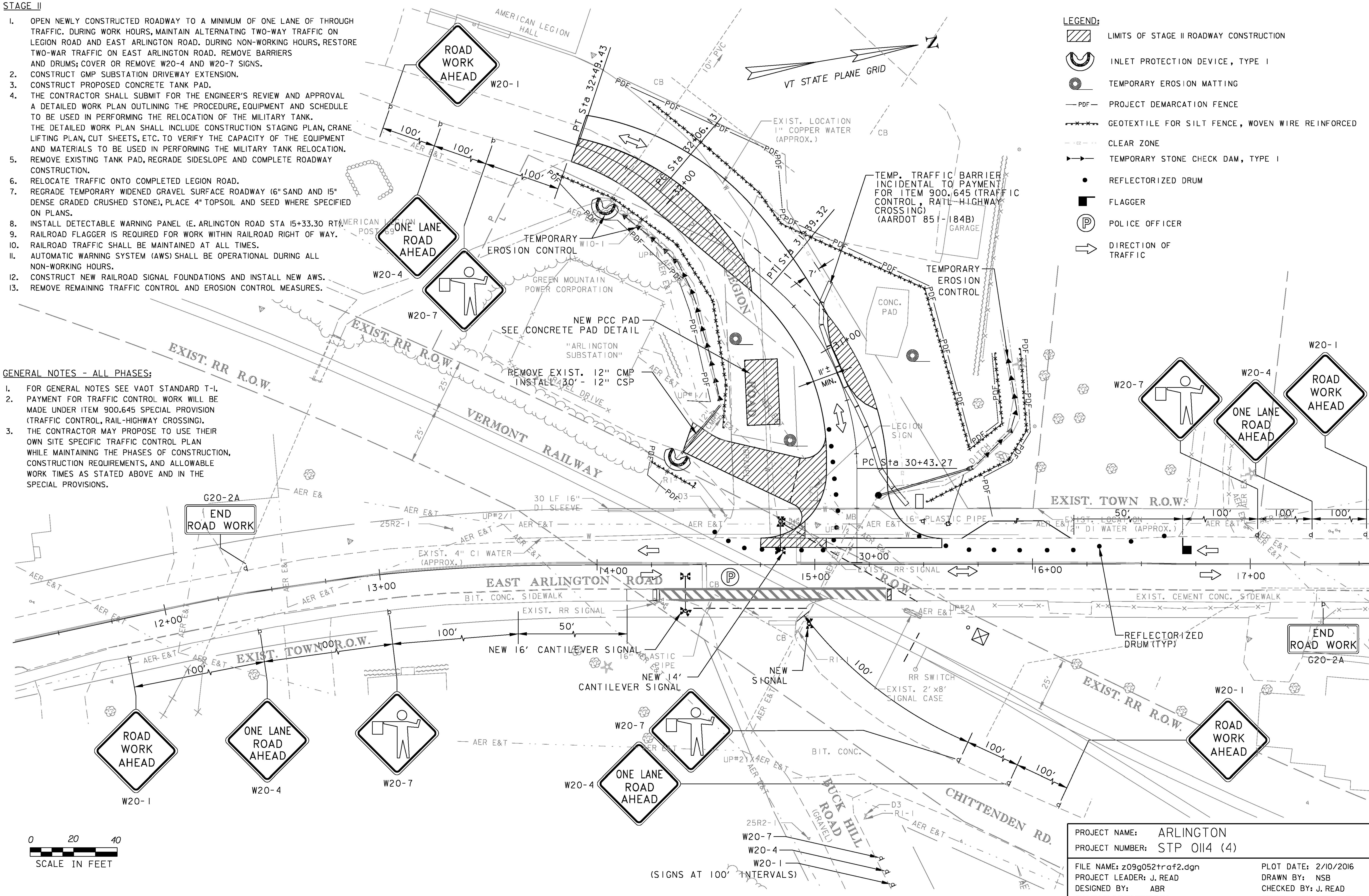
1. OPEN NEWLY CONSTRUCTED ROADWAY TO A MINIMUM OF ONE LANE OF THROUGH TRAFFIC. DURING WORK HOURS, MAINTAIN ALTERNATING TWO-WAY TRAFFIC ON LEGION ROAD AND EAST ARLINGTON ROAD. DURING NON-WORKING HOURS, RESTORE TWO-WAR TRAFFIC ON EAST ARLINGTON ROAD. REMOVE BARRIERS AND DRUMS; COVER OR REMOVE W20-4 AND W20-7 SIGNS.
2. CONSTRUCT GMP SUBSTATION DRIVEWAY EXTENSION.
3. CONSTRUCT PROPOSED CONCRETE TANK PAD.
4. THE CONTRACTOR SHALL SUBMIT FOR THE ENGINEER'S REVIEW AND APPROVAL A DETAILED WORK PLAN OUTLINING THE PROCEDURE, EQUIPMENT AND SCHEDULE TO BE USED IN PERFORMING THE RELOCATION OF THE MILITARY TANK. THE DETAILED WORK PLAN SHALL INCLUDE CONSTRUCTION STAGING PLAN, CRANE LIFTING PLAN, CUT SHEETS, ETC. TO VERIFY THE CAPACITY OF THE EQUIPMENT AND MATERIALS TO BE USED IN PERFORMING THE MILITARY TANK RELOCATION.
5. REMOVE EXISTING TANK PAD, REGRADE SIDESLOPE AND COMPLETE ROADWAY CONSTRUCTION.
6. RELOCATE TRAFFIC ONTO COMPLETED LEGION ROAD.
7. REGRADE TEMPORARY WIDENED GRAVEL SURFACE ROADWAY (6" SAND AND 15" DENSE GRADED CRUSHED STONE), PLACE 4" TOPSOIL AND SEED WHERE SPECIFIED ON PLANS.
8. INSTALL DETECTABLE WARNING PANEL (E. ARLINGTON ROAD STA 15+33.30 RT).
9. RAILROAD FLAGGER IS REQUIRED FOR WORK WITHIN RAILROAD RIGHT OF WAY.
10. RAILROAD TRAFFIC SHALL BE MAINTAINED AT ALL TIMES.
11. AUTOMATIC WARNING SYSTEM (AWS) SHALL BE OPERATIONAL DURING ALL NON-WORKING HOURS.
12. CONSTRUCT NEW RAILROAD SIGNAL FOUNDATIONS AND INSTALL NEW AWS.
13. REMOVE REMAINING TRAFFIC CONTROL AND EROSION CONTROL MEASURES.

GENERAL NOTES - ALL PHASES:

1. FOR GENERAL NOTES SEE VAOT STANDARD T-1.
2. PAYMENT FOR TRAFFIC CONTROL WORK WILL BE MADE UNDER ITEM 900.645 SPECIAL PROVISION (TRAFFIC CONTROL, RAIL-HIGHWAY CROSSING).
3. THE CONTRACTOR MAY PROPOSE TO USE THEIR OWN SITE SPECIFIC TRAFFIC CONTROL PLAN WHILE MAINTAINING THE PHASES OF CONSTRUCTION, CONSTRUCTION REQUIREMENTS, AND ALLOWABLE WORK TIMES AS STATED ABOVE AND IN THE SPECIAL PROVISIONS.

LEGEND:

- LIMITS OF STAGE II ROADWAY CONSTRUCTION
- INLET PROTECTION DEVICE, TYPE I
- TEMPORARY EROSION MATTING
- PDF — PROJECT DEMARCATION FENCE
- GEOTEXTILE FOR SILT FENCE, WOVEN WIRE REINFORCED
- CZ — CLEAR ZONE
- TEMPORARY STONE CHECK DAM, TYPE I
- REFLECTORIZED DRUM
- FLAGGER
- POLICE OFFICER
- DIRECTION OF TRAFFIC



P70II20069

PROJECT NAME: ARLINGTON
PROJECT NUMBER: STP 0114 (4)

FILE NAME: z09g052traf2.dgn
PROJECT LEADER: J. READ
DESIGNED BY: ABR
STAGE II CONSTRUCTION
PLOT DATE: 2/10/2016
DRAWN BY: NSB
CHECKED BY: J. READ
SHEET 25 OF 27

STATE OF VERMONT
AGENCY OF TRANSPORTATION

RIGHT - OF - WAY DETAIL SHEET

TABLE OF PROPERTY ACQUISITION

PARCEL NO.	PROPERTY OWNER	ROW LAYOUT NO.	BEGINNING STATION	ENDING STATION	TAKE	REMAINDER	RIGHT			RECORDING DATA					REMARKS
					AREA±	AREA±	TYPE	T / P	AREA ±	TITLE	DATE	TOWN / CITY	BOOK	PAGE	
1A	AMERICAN LEGION POST 69	1	30+24 LT	31+67 RT			DISCONNECT/RECONNECT	T				ARLINGTON			WATERLINE DISCONNECT FROM EXISTING WATERLINE AND
	INCORPORATED		--	--			--	--							CURB STOP, INCLUDES RECONNECT 1" COPPER WATERLINE,
			--	--			--	--							INSTALL NEW CURB STOP W/NEW EXTENSION SERVICE BOX
			30+25 RT	30+33 RT			INSTALL & MAINT.	P							PUSH BRACE FOR NEW POWER POLE
			30+25 RT	30+35 LT			DISCONNECT/RECONNECT	T							ELECTRICAL WIRING AND LIGHTING FOR SIGN RELOCATION
			30+25 RT	30+35 LT			REMOVE & RESET	T							SIGN (LIGHTED) - PERSONAL PROPERTY
			30+25 RT	31+48 RT			CONST EASE	T	1692 SF						INCLUDES PDF, EROSION CONTROL
			30+34 RT	31+42 RT			SLOPE	T	1896 SF						
			30+40 RT	30+76 RT			CUL, DIT, & DR	P	195 SF						18" CULVERT
			30+85 RT	31+10 RT			ALL R, T, & I								15X30 CONCRETE PAD FOR STATIONARY MILITARY
			--	--			--	--							ARMORED VEHICLE
			30+85 RT	31+10 RT			REMOVE	T							CONCRETE PAD FOR STATIONARY MILITARY ARMORED
			--	--			--	--							VEHICLE
			30+85 RT	31+10 RT			REMOVE	T							STATIONARY MILITARY ARMORED VEHICLE
1B	AMERICAN LEGION POST 69		30+38 LT				DRIVE	T				ARLINGTON			WIDTH VARIES, GRAVEL WITH PAVED APRON
	INCORPORATED		30+56 LT	31+24 LT			SLOPE	T	664 SF						INCLUDES PDF, EROSION CONTROL (CHECK DAMS)
			30+72 LT	31+21 LT			INSTALL	T							CONCRETE PAD FOR STATIONARY MILITARY ARMORED
			--	--			--	--							VEHICLE
			30+72 LT	31+21 LT			RESET	T							STATIONARY MILITARY ARMORED VEHICLE
2	GREEN MOUNTAIN POWER	1	30+31 LT	31+07 LT			CONST EASE	T	292 SF			ARLINGTON			INCLUDES PDF, EROSION CONTROL (CHECK DAMS)
	CORPORATION		30+38 LT				DRIVE	T							WIDTH VARIES, GRAVEL WITH PAVED APRON
			30+63 LT	30+68 LT			REMOVE	T							EXISTING 12" CULVERT
			30+68 LT	31+68 LT			CUL, DIT & DR	P	95 SF						12" CULVERT
			30+72 LT	31+76 LT			CONST EASE	T	1072 SF						INCLUDES PDF, EROSION CONTROL (CHECK DAMS)
			31+45.17 LT	32+71.51 LT			HIGHWAY	P	1706 SF						
			32+19 LT	32+38 LT			CONST EASE	T	27 SF						INCLUDES EROSION CONTROL AND PDF
3	TOWN OF ARLINGTON	1	30+25.03 LT	31+55.98 RT	0.12 AC		ALL R, T, & I					ARLINGTON			5291 SF TH#46 HWY EASEMENT
			30+12 CL	30+25 CL			APPROACH	T							E. ARLINGTON RD AND LEGION RD INTERSECTION
			30+25 RT	30+35 LT			REMOVE & RESET	T							SIGN (LIGHTED) - PERSONAL PROPERTY
			30+25 RT	30+35 LT			DISCONNECT &	T							ELECTRICAL WIRING AND LIGHTING FOR SIGN RELOCATION
			--	--			CONNECT								
			30+25 CL	32+49 CL			APPROACH	T							LEGION RD., INCL. ALL CONSTRUCTION OF NEW ALIGNMENT
			--	--			--	--							INCLUDING CONSTRUCTION OF PAVED APRONS AT
			--	--			--	--							32+25 RT AND 30+38 LT
			TH#1 14+88 LT	TH#1 16+37 LT			INSTALL	T							TRAFFIC BARRIERS
			30+25 LT	30+75 LT			REMOVE	T	840 SF						INCLUDES REMOVAL OF EXISTING TH#46 & ALSO INCLUDES
			--	--											GRADING, SEEDING, AND MULCHING
			30+25.03 LT	30+35.0 RT											EXCEPT AND RESERVE 10 FT WIDE WATERLINE EASEMENT
4	STATE OF VERMONT (LESSOR)	1	TH#1 14+23 LT	TH#1 14+76 LT			CONST EASE	T	447 SF			ARLINGTON			INCLUDES EROSION CONTROL & PIPE INLET PROTECTION
	VERMONT RAILWAY LLC . (LESSEE)		TH#1 14+54 LT	TH#1 14+90 LT			REMOVE	T							EXISTING TH #46; INCL. GRADING, SEEDING, & MULCHING
			TH #1 14+74 LT	TH #1 15+11 LT			CONST EASE	T	179 SF						RELOCATED TH #46
			TH #1 14+88 LT	TH #1 15+00 LT			INSTALL	T							TRAFFIC BARRIERS
	NOTE: TEMPORARY RIGHTS FOR CONSTRUCTION OF PROJECT GRANTED IN RIGHT OF WAY, FINANCE, AND MAINTENANCE AGREEMENT														
5	ARLINGTON WATER COMPANY	1	30+13 LT	30+24 LT			DISCONNECT/CONNECT	T				ARLINGTON			WATERLINE DISCONNECT FROM EXISTING WATERLINE AND
			--	--			--	--							CURB STOP, INCLUDES RECONNECT 1" COPPER WATERLINE,
			--	--			--	--							INSTALL NEW CURB STOP W/NEW EXTENSION SERVICE BOX
6	TELEPHONE OPERATING COMPANY OF VERMONT, LLC														UTILITY
7	GREEN MOUNTAIN POWER CORPORATION														UTILITY
8	COMCAST OF CONNECTICUT/ GEORGIA/MASSACHUSETTS/NEW HAMPSHIRE/NEW YORK/NORTH CAROLINA/VERMONT, LLC														UTILITY
9	SOVERNET, INCORPORATED														UTILITY

TABLE OF REVISIONS

REVISION NO.	ROW SET SHEET #	DESCRIPTION	DATE

SHEET PREPARED BY STANTEC

PROJECT NAME: **ARLINGTON**
PROJECT NUMBER: **STP 0114 (4)**

FILE NAME: **z09g052det_ROW.dgn**
PROJECT LEADER: J. READ
DESIGNED BY: **STANTEC**
R.O.W. DETAIL SHEET #1

PLOT DATE: **5/27/2015**
DRAWN BY: **D.HARRINGTON**
CHECKED BY: **H.PETROVS**
SHEET **26** OF **27**

NOTE: FOR PARCELS 1B AND 3, PER AGREEMENT DATED FEB 19, 2010, RECORDED IN BK. 140, PG. 183, PRIOR TO THE COMPLETION OF THE RELOCATION OF LEGION ROAD, THE TOWN OF ARLINGTON WILL RETAIN THE RIGHT TO CROSS THE LANDS COMPRISING THE EXISTING LEGION ROAD UNTIL SUCH TIME AS THE NEW ROAD HAS BEEN CONSTRUCTED AND THE AMERICAN LEGION AGREES TO ALLOW THE TOWN TO CONTINUE TO USE LEGION ROAD AS IT IS CURRENTLY LAID OUT UNTIL THE RELOCATED HIGHWAY HAS BEEN CONSTRUCTED, FINISHED, AND OPENED.

STAGE I

1. INSTALL TEMPORARY EROSION CONTROL AND TRAFFIC CONTROL MEASURES.
2. CONSTRUCT RELOCATED ROADWAY AND DRAINAGE SYSTEM MODIFICATIONS.
3. CONSTRUCT TEMPORARY WIDENED GRAVEL SURFACE ROADWAY.

NOTES:

1. A MINIMUM OF ONE LANE FOR VEHICLE ACCESS SHALL BE MAINTAINED AT ALL TIMES.
2. ACCESS SHALL BE MAINTAINED TO THE GMP SUBSTATION AT ALL TIMES.

LEGEND:

- LIMITS OF STAGE I ROADWAY CONSTRUCTION
- LIMIT OF TEMPORARY GRAVEL SURFACE ROADWAY WIDENING TO FACILITATE STAGE II CONSTRUCTION.
- PIPE INLET PROTECTION
- CHECK DAM
- PROJECT DEMARCATION FENCE
- SILT FENCE WOVEN WIRE
- TEMPORARY EROSION MATTING

KEY REFERENCES:

A. HIGHWAY PROJECT PWA 6114 (CIRCA 1935)
B. BOUNDARY SURVEY - ARLINGTON SUB PROPERTY - LANDS OF CENTRAL VERMONT PUBLIC SERVICE CORPORATION; DATED 4/12/1994.
C. RUTLAND RAILROAD VAL SHEET V2/14.
D. BOOK 29, PAGE 44 DATED 12/30/1952 - OUHL AND CRAMPTON TO TOWN OF ARLINGTON - ESTABLISHES LEGION ROAD AS TOWN RIGHT OF WAY.
E. BOOK 140, PAGE 184 AND BOOK 140, PAGE 185 - CONCERNING LAND CONVEYANCE FOR LEGION ROAD RELOCATION.

FOR RIGHT OF WAY USE ONLY

LINES SHOWN ON THIS PLAN AS EXISTING PROPERTY LINES (P/L) ARE BELIEVED TO BE ACCURATE BUT SHOULD NOT BE RELIED UPON FOR PURPOSES UNRELATED TO THE STATE OF VERMONT'S ACQUISITION OF LAND AND RIGHTS FOR THIS PROJECT.

SHEET PREPARED BY STANTEC

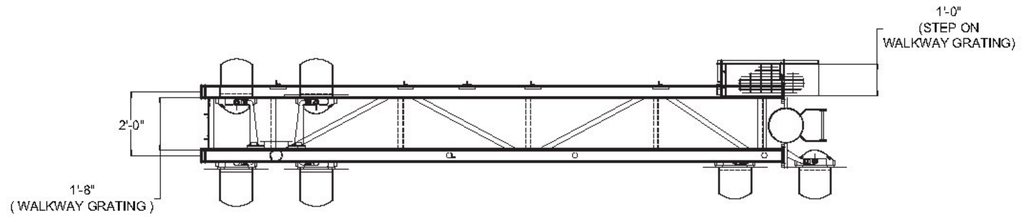
0 20 40
SCALE IN FEET

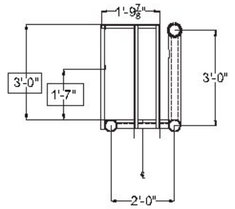
PROJECT NAME: ARLINGTON
PROJECT NUMBER: STP 0114 (4)

FILE NAME: z09g052plan_ROW.dgn
PROJECT LEADER: J. READ
DESIGNED BY: H. PETROVS
ROW LAYOUT SHEET

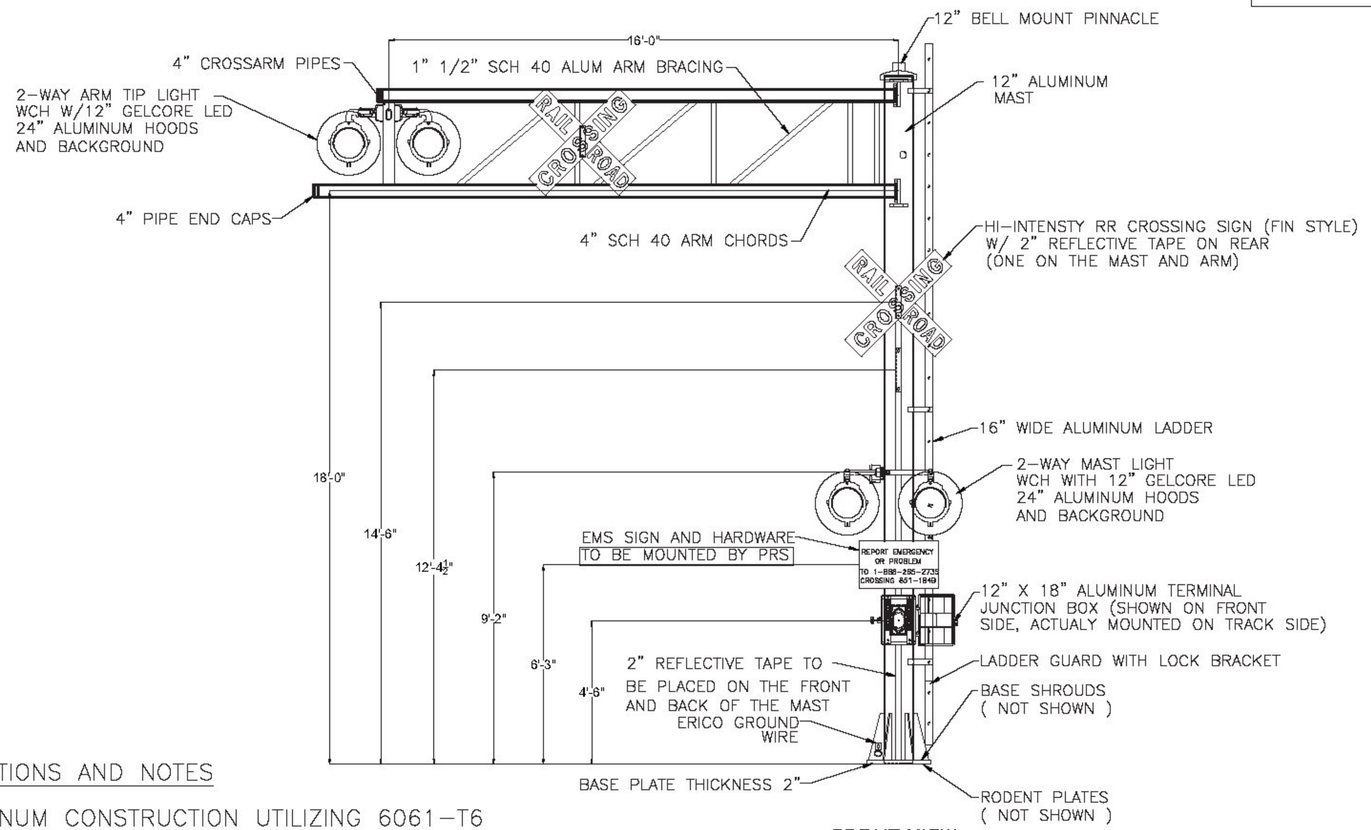
PLOT DATE: 5/28/2015
DRAWN BY: T. DUGUAY
CHECKED BY: H. PETROVS
SHEET 27 OF 27

SALES DRAWING





LEFT SIDE VIEW
(MAST NOT SHOWN)



FRONT VIEW

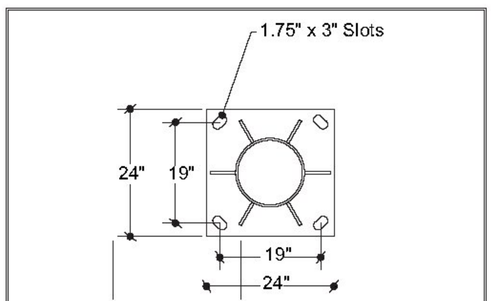
TORQUE VALUES
TORQUE VALUES FOR 18-8 S/S HARDWARE WITHOUT ANTI-SEIZE COMPOUND. 1. 3/8"-16 BOLTS: 236 IN. LBS. 2. 1/2"-13 BOLTS: 517 IN. LBS. 3. 5/8"-11 BOLTS: 1110 IN. LBS. 4. 1"-8 BOLTS: 3440 IN. LBS.
TORQUE VALUES FOR 18-8 S/S HARDWARE WITH ANTI-SEIZE COMPOUND. 1. 3/8"-16 BOLTS: 201 IN. LBS. 2. 1/2"-13 BOLTS: 439 IN. LBS. 3. 5/8"-11 BOLTS: 944 IN. LBS. 4. 1"-8 BOLTS: 2924 IN. LBS.

INCLUDED:

* #10 OKONITE CABLE
* PRECAST FOUNDATION (DP-4B)

NOT INCLUDED:

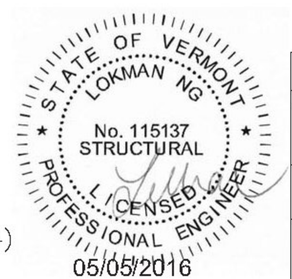
* BELL
* TRACK SIGN
* STOP ON RED SIGN
* SIDE STREET STANDOFF BRACKET
* MALFUNCTION SIGN BRACKET
* RESISTORS IN THE CROSSARMS
* SEALTITE ENTRANCE CONDUIT
* SEALTITE ENTRANCE CONNECTOR
* LADDER CAGE
* SURE CLIMB SAFETY CABLE ASSEMBLY
* TOE KICK PLATE ON ARM



BASE PLATE BOLT CENTERS

SPECIFICATIONS AND NOTES

1. ALL ALUMINUM CONSTRUCTION UTILIZING 6061-T6 EXTRUSIONS.
2. STAINLESS STEEL HARDWARE PROVIDED.
3. GMAW WELDING PROCESS UTILIZING 5356 ALUMINUM ALLOY FILLER MATERIAL.
4. CABLE IS ROUTED THROUGH MAST PIPE, ARM PIPE, OR FLEXIBLE CONDUIT.
5. ALL THREADED OPENINGS PLUGGED BEFORE SHIPMENT.
6. MEETS SPECIAL PROVISIONS FOR: ARLINGTON STP 0114(4) DATED FEBRUARY 24, 2016
7. DESIGN WIND SPEED = 100 MPH (AASHTO)

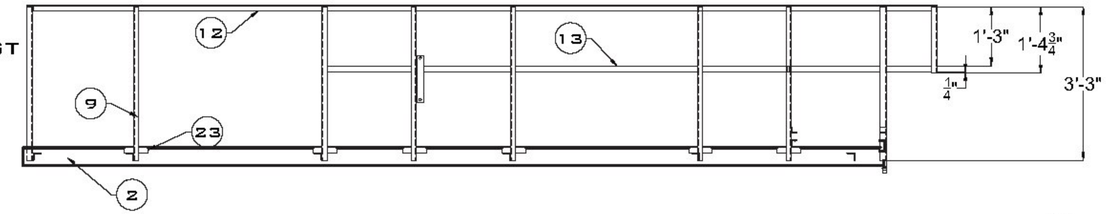


PROGRESS P/N 94CANT1655M

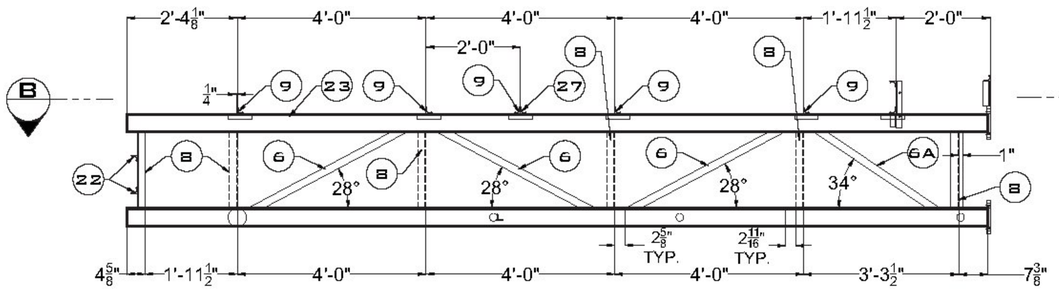
JOB # PRODUCTION ORDER	PROGRESS RAIL SERVICES, A Caterpillar Company
THE DRAWING IS PROPRIETARY PROPERTY OF PROGRESS RAIL SERVICES	Louisville Signal Division
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES DECIMAL .0625"+ .0625"- FRACTIONS + 1/16" - 1/16" DO NOT SCALE THIS DRAWING	DRAWN BY: JEA DATE: 04/11/16 SCALE: NONE CHECKED BY: XXX DATE: 00/00/00 SHEET: 1 OF 2 ARLINGTON , VT 16' RH HIGHWAY CANTILEVER DRAWING #: 9454ST0102 REV. A

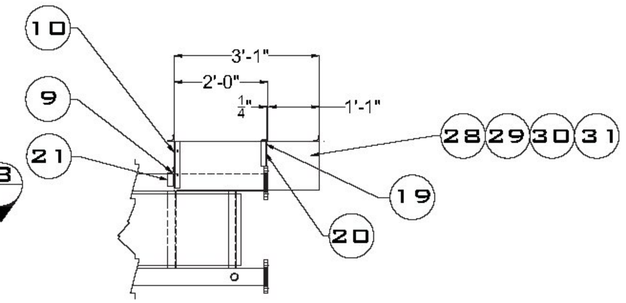
NOTES

1. DRILL A 2" HOLE ON TOP ARM CORD FOR WIRING, IN THE CENTER OF JURY MAST
2. DRILL A 1/4" WEEP HOLE ON THE BOTTOM ARM CORD AT CENTER OF JURY MAST
3. CUT GRATING AROUND JURY MAST

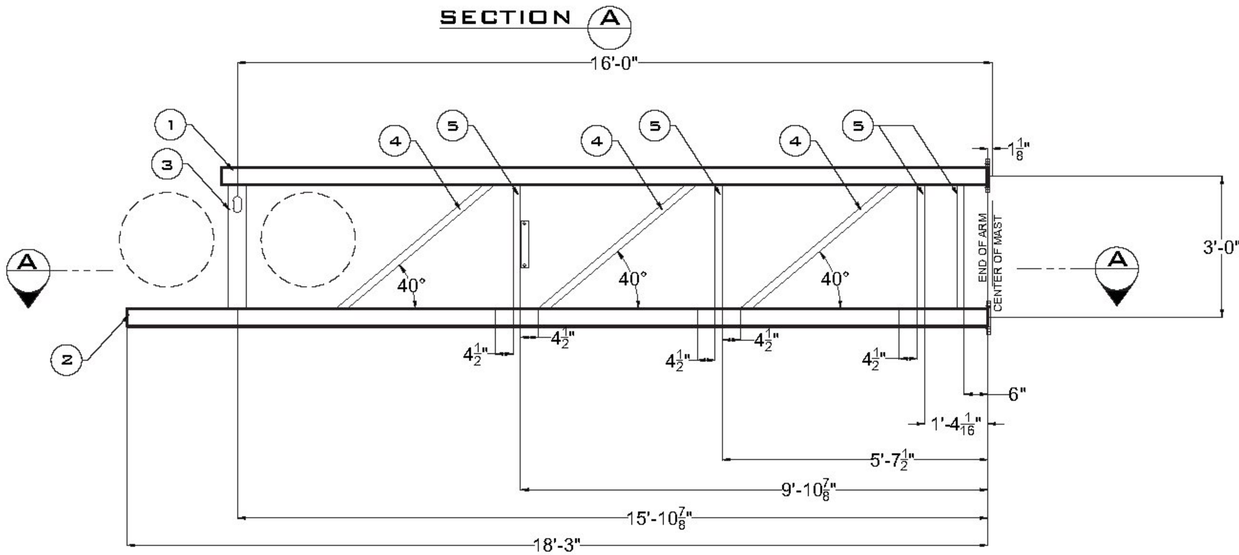


SECTION B

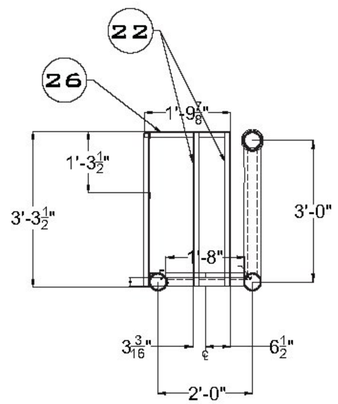




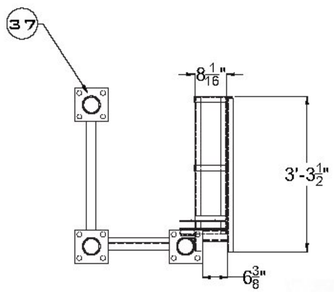
SECTION A



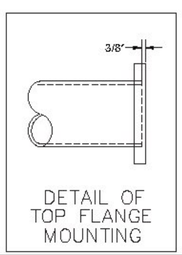
FRONT VIEW



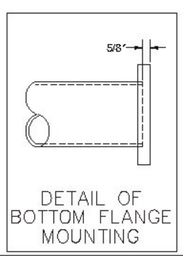
LEFT SIDE VIEW



RIGHT SIDE VIEW



DETAIL OF TOP FLANGE MOUNTING



DETAIL OF BOTTOM FLANGE MOUNTING

STATE OF VERMONT
LOKMAN NG
No. 115137
STRUCTURAL
LICENSED
PROFESSIONAL ENGINEER
05/05/2016

REV.	DESCRIPTION	REVISED BY	DATE:	ENG'R	DATE:
H					
G					
F					
E					
D					
C					
B					
A					

REVISIONS — APPROVALS

JOB # PRODUCTION ORDER

THE DRAWING IS PROPRIETARY PROPERTY OF PROGRESS RAIL SERVICES

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
TOLERANCES
DECIMAL FRACTIONS
.0625"+ + 1/16"
.0625"– – 1/16"
DO NOT SCALE THIS DRAWING

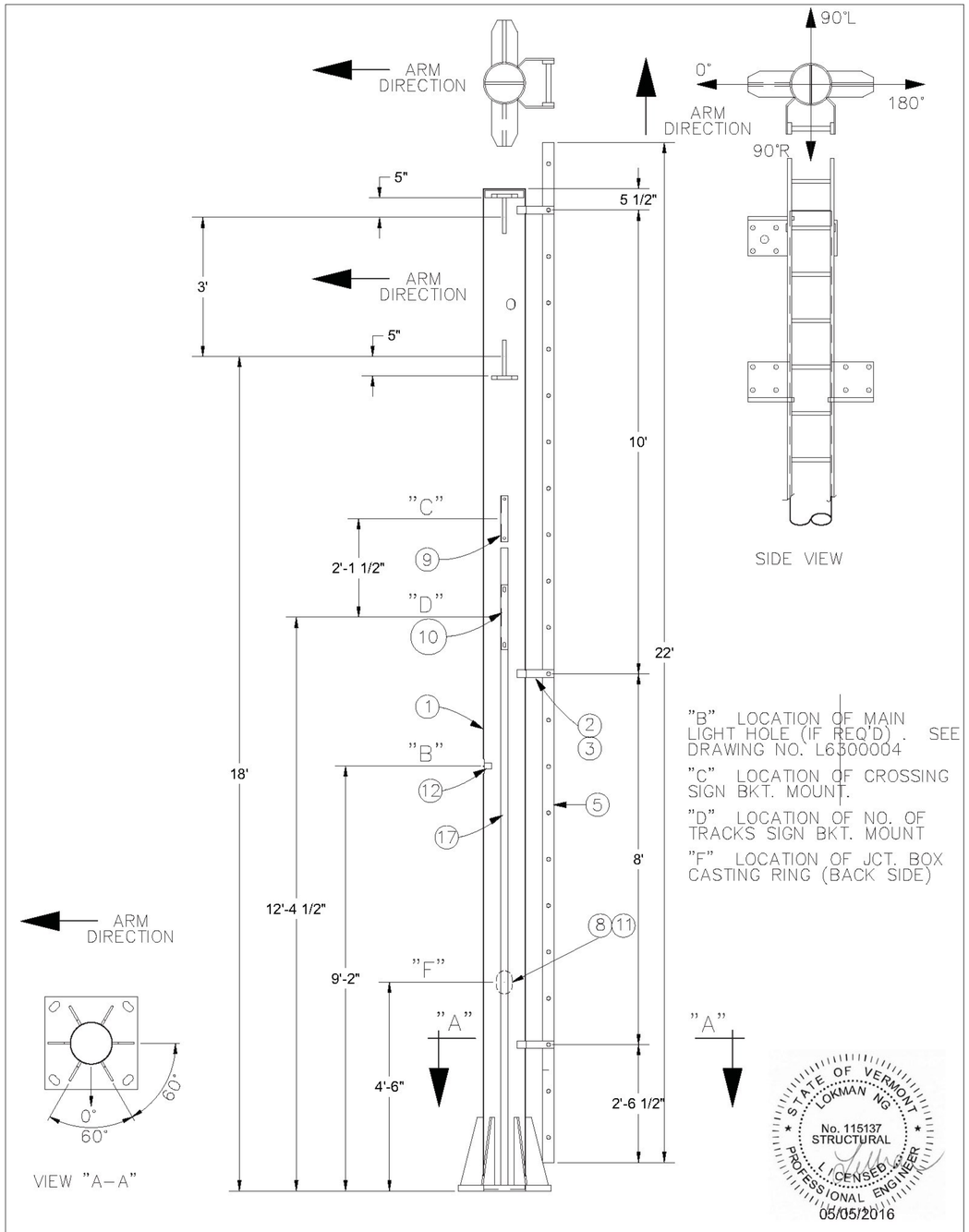
PROGRESS RAIL SERVICES
A Caterpillar Company

Louisville Signal Division

DRAWN BY: JEA	DATE: 04/28/16	SCALE:	NONE
CHECKED BY: XXX	DATE: 00/00/00	SHEET:	2 OF 2

CANT. 16' ARM CUSTOM

DRAWING #: 9454ST0102 REV.



"B" LOCATION OF MAIN LIGHT HOLE (IF REQ'D). SEE DRAWING NO. L6300004

"C" LOCATION OF CROSSING SIGN BKT. MOUNT.

"D" LOCATION OF NO. OF TRACKS SIGN BKT. MOUNT

"F" LOCATION OF JCT. BOX CASTING RING (BACK SIDE)

STATE OF VERMONT
LOKMAN NG
No. 115137
STRUCTURAL
LICENSED
PROFESSIONAL ENGINEER
05/05/2016

REV.	DESCRIPTION	REVISED BY	DATE:	ENG'R APPROVALS	DATE: APPROVALS
J					
I					
H					
G					
F					
E					
D					
C					
B					
A					

REVISIONS

PROGRESS P/N 9454ST0003

JOB # PRODUCTION ORDER

PROGRESS RAIL SERVICES
A Caterpillar Company

Louisville Signal Division

THE DRAWING IS PROPRIETARY PROPERTY OF PROGRESS RAIL SERVICES

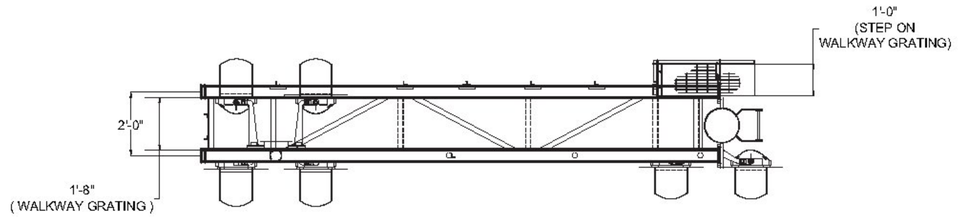
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
TOLERANCES
DECIMAL FRACTIONS
.0625"+ + 1/16"
.0625"- - 1/16"
DO NOT SCALE THIS DRAWING

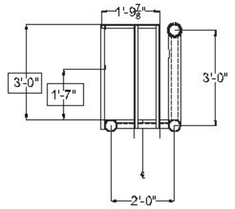
DRAWN BY: JEA	DATE: 04/26/16	SCALE:	NONE
CHECKED BY:XXX	DATE: 00/00/00	SHEET:	1 OF 1

TYPICAL PHASE 2 CANT. MAST-12" MAST R.H. ASS'Y (MAST MOUNTED JUNCTION BOX)

DRAWING #: 9454ST0003 REV. A

SALES DRAWING





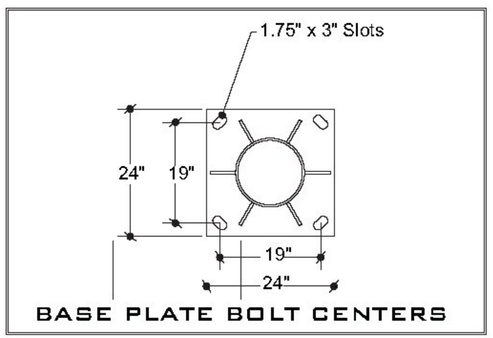
LEFT SIDE VIEW
(MAST NOT SHOWN)

INCLUDED:

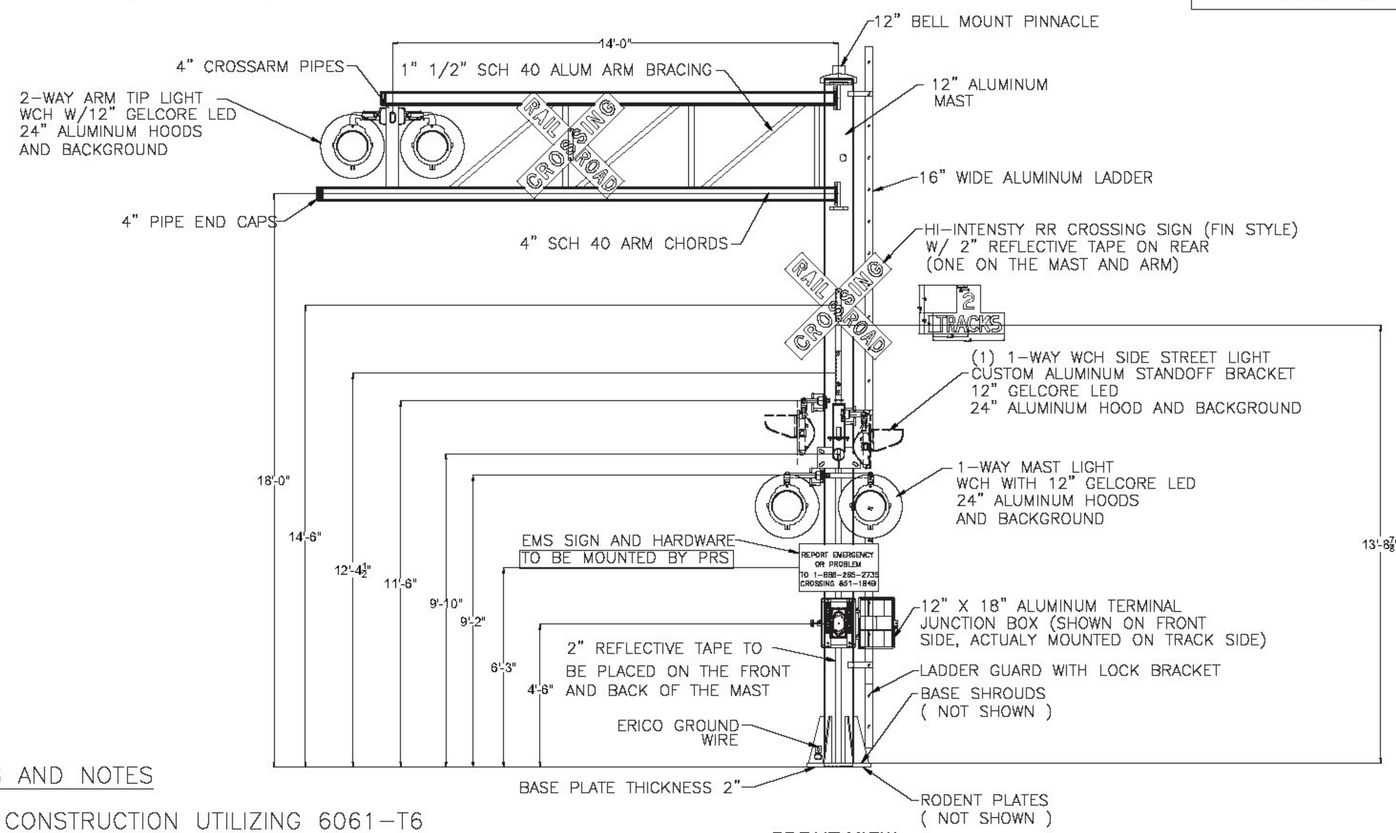
* #10 OKONITE CABLE
* PRECAST FOUNDATION (DP-4B)

NOT INCLUDED:

* BELL
* TRACK SIGN
* STOP ON RED SIGN
* MALFUNCTION SIGN BRACKET
* RESISTORS IN THE CROSSARMS
* SEALTITE ENTRANCE CONDUIT
* SEALTITE ENTRANCE CONNECTOR
* LADDER CAGE
* SURE CLIMB SAFETY CABLE ASSEMBLY
* TOE KICK PLATE ON ARM



BASE PLATE BOLT CENTERS



FRONT VIEW

TORQUE VALUES

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2. 1/2"-13 BOLTS: 517 IN. LBS.
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SPECIFICATIONS AND NOTES

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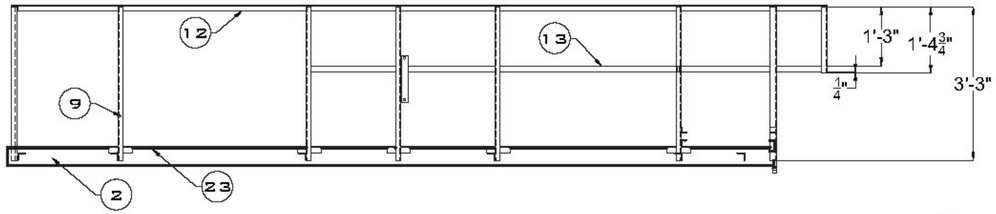
2. STAINLESS STEEL HARDWARE PROVIDED.
3. GMAW WELDING PROCESS UTILIZING 5356 ALUMINUM ALLOY FILLER MATERIAL.
4. CABLE IS ROUTED THROUGH MAST PIPE, ARM PIPE, OR FLEXIBLE CONDUIT.
5. ALL THREADED OPENINGS PLUGGED BEFORE SHIPMENT.
6. MEET SPECIAL PROVISIONS FOR: ARLINGTON STP 0114(4) DATED FEBRUARY 24, 2016
7. DESIGN WIND SPEED = 100 MPH (AASHTO)

PROGRESS P/N 94CANT1654M

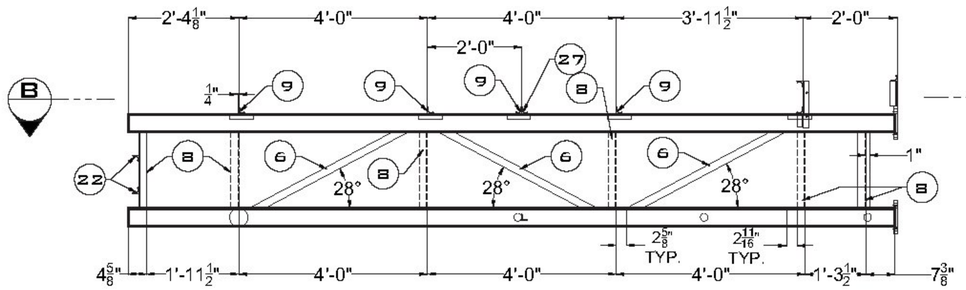
JOB # PRODUCTION ORDER	PROGRESS RAIL SERVICES, A Caterpillar Company — Louisville Signal Division
THE DRAWING IS PROPRIETARY PROPERTY OF PROGRESS RAIL SERVICES	DRAWN BY: JEA | DATE: 04/11/16 | SCALE: NONE
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES DECIMAL .0625"+ .0625"- FRACTIONS + 1/16" - 1/16" DO NOT SCALE THIS DRAWING	CHECKED BY: XXX | DATE: 00/00/00 | SHEET: 1 OF 2
	ARLINGTON , VT 14' RH HIGHWAY CANTILEVER
	DRAWING #: 9454ST0101 | REV. C

NOTES

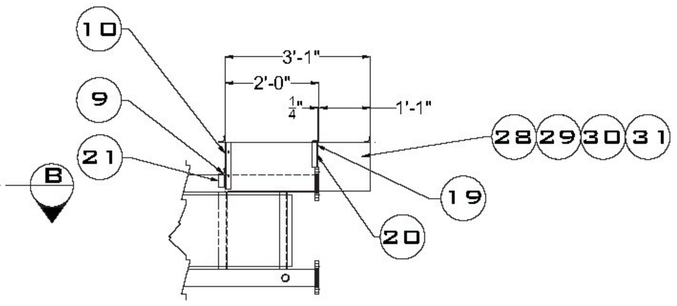
1. DRILL A 2" HOLE ON TOP ARM CORD FOR WIRING, IN THE CENTER OF JURY MAST
2. DRILL A 1/4" WEEP HOLE ON THE BOTTOM ARM CORD AT CENTER OF JURY MAST
3. CUT GRATING AROUND JURY MAST

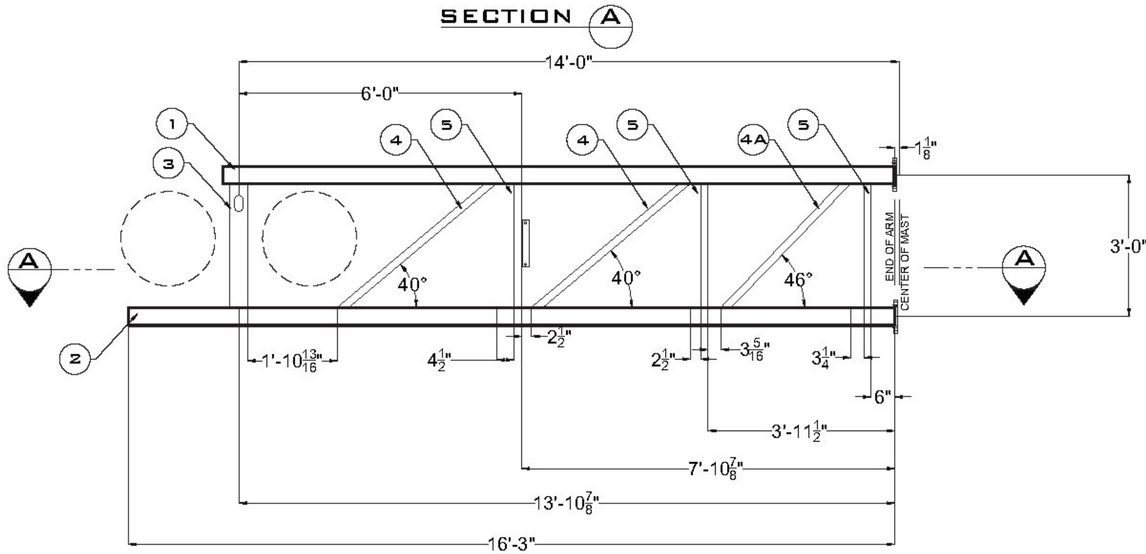


SECTION B

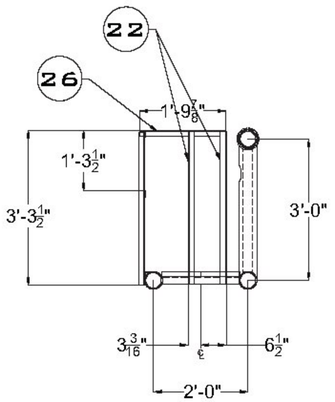


SECTION A

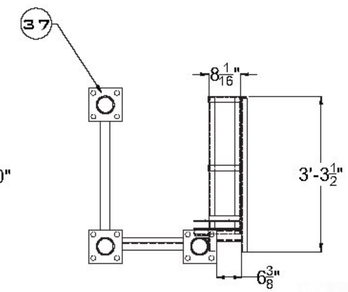




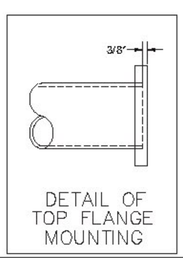
FRONT VIEW



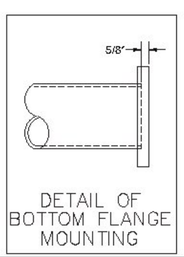
LEFT SIDE VIEW



RIGHT SIDE VIEW



DETAIL OF TOP FLANGE MOUNTING



DETAIL OF BOTTOM FLANGE MOUNTING

STATE OF VERMONT
LOKMAN NG
No. 115137
STRUCTURAL
LICENSED
PROFESSIONAL ENGINEER
05/05/2016

REV.	DESCRIPTION	REVISED BY	DATE:	ENG'R	DATE:
H					
G					
F					
E					
D					
C					
B					
A					

REVISIONS — APPROVALS

JOB # PRODUCTION ORDER

THE DRAWING IS PROPRIETARY PROPERTY OF PROGRESS RAIL SERVICES

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
TOLERANCES
DECIMAL FRACTIONS
.0625"+ + 1/16"
.0625"- - 1/16"
DO NOT SCALE THIS DRAWING

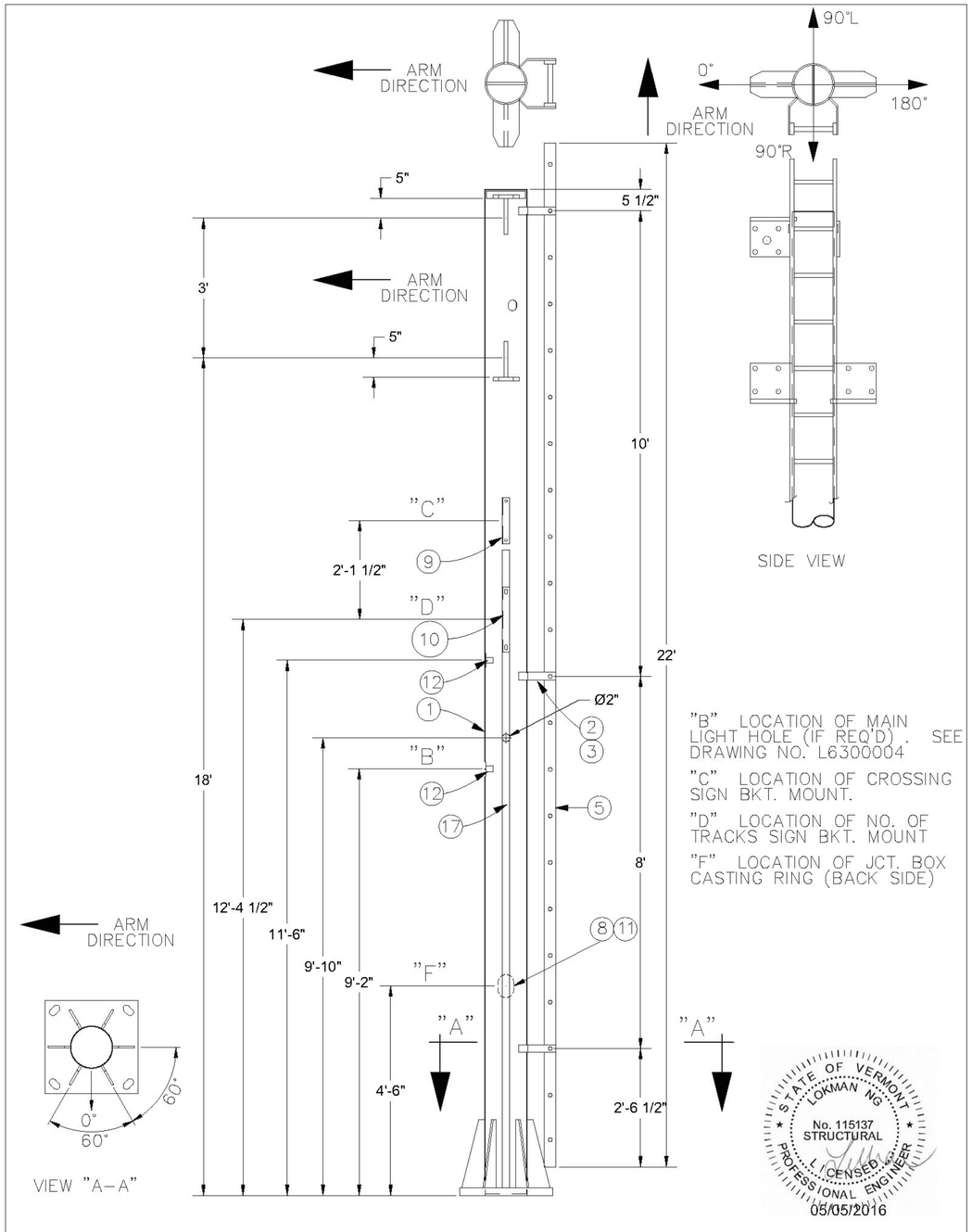
PROGRESS RAIL SERVICES
A Caterpillar Company

Louisville Signal Division

DRAWN BY: JEA	DATE: 04/28/16	SCALE:	NONE
CHECKED BY: XXX	DATE: 00/00/00	SHEET:	2 OF 2

CANT. 14' ARM CUSTOM

DRAWING #: 9454ST0101 REV.



REV.	DESCRIPTION	REVISED BY	DATE:	ENG'R APPROVALS	DATE:
J					
I					
H					
G					
F					
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D					
C					
B					
A					

REVISIONS

PROGRESS P/N 9454ST0002

JOB # PRODUCTION ORDER

PROGRESS RAIL SERVICES
A Caterpillar Company

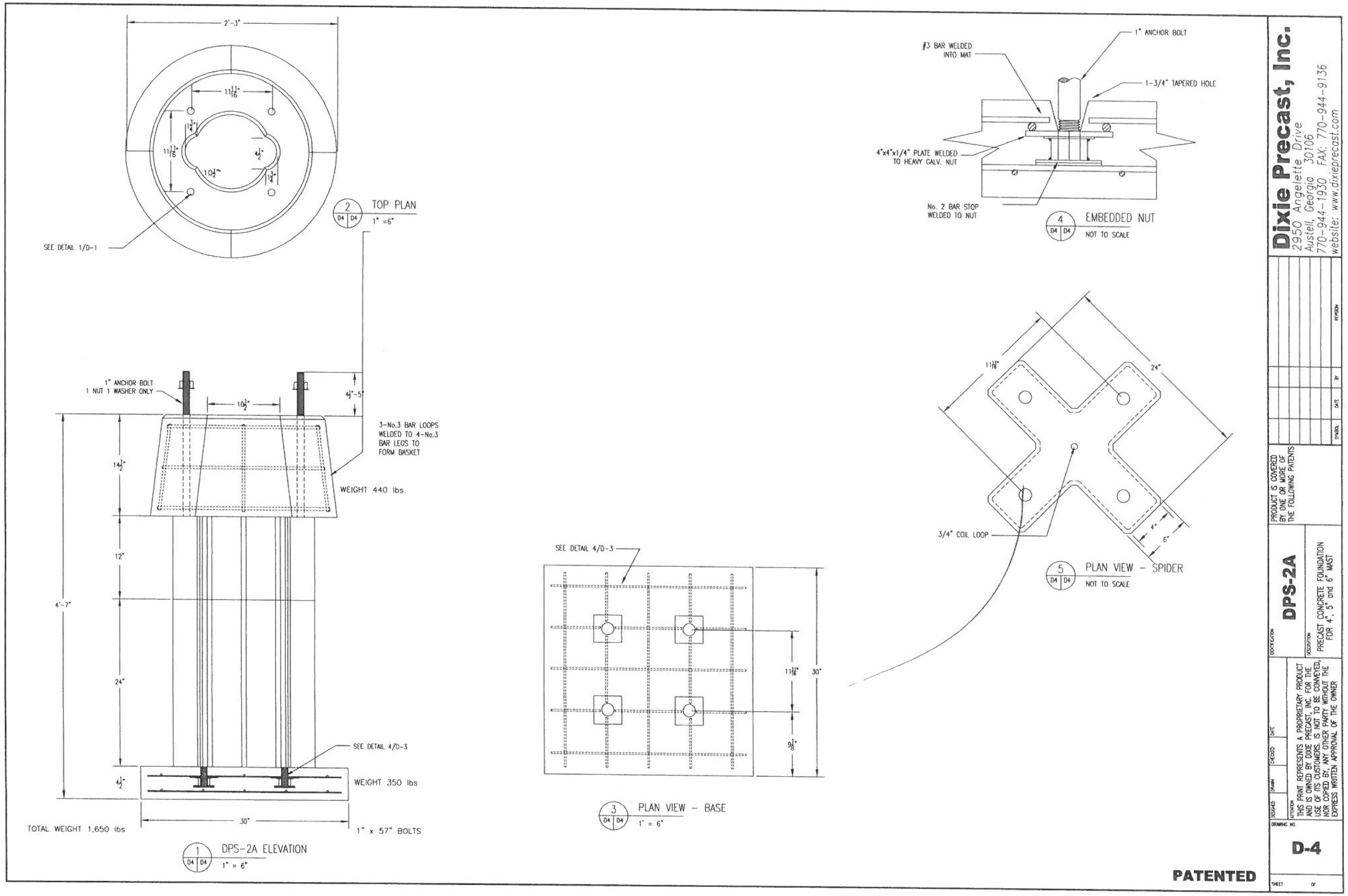
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
TOLERANCES
DECIMAL .0625"+ .0625"-
FRACTIONS + 1/16" - 1/16"
DO NOT SCALE THIS DRAWING

Louisville Signal Division

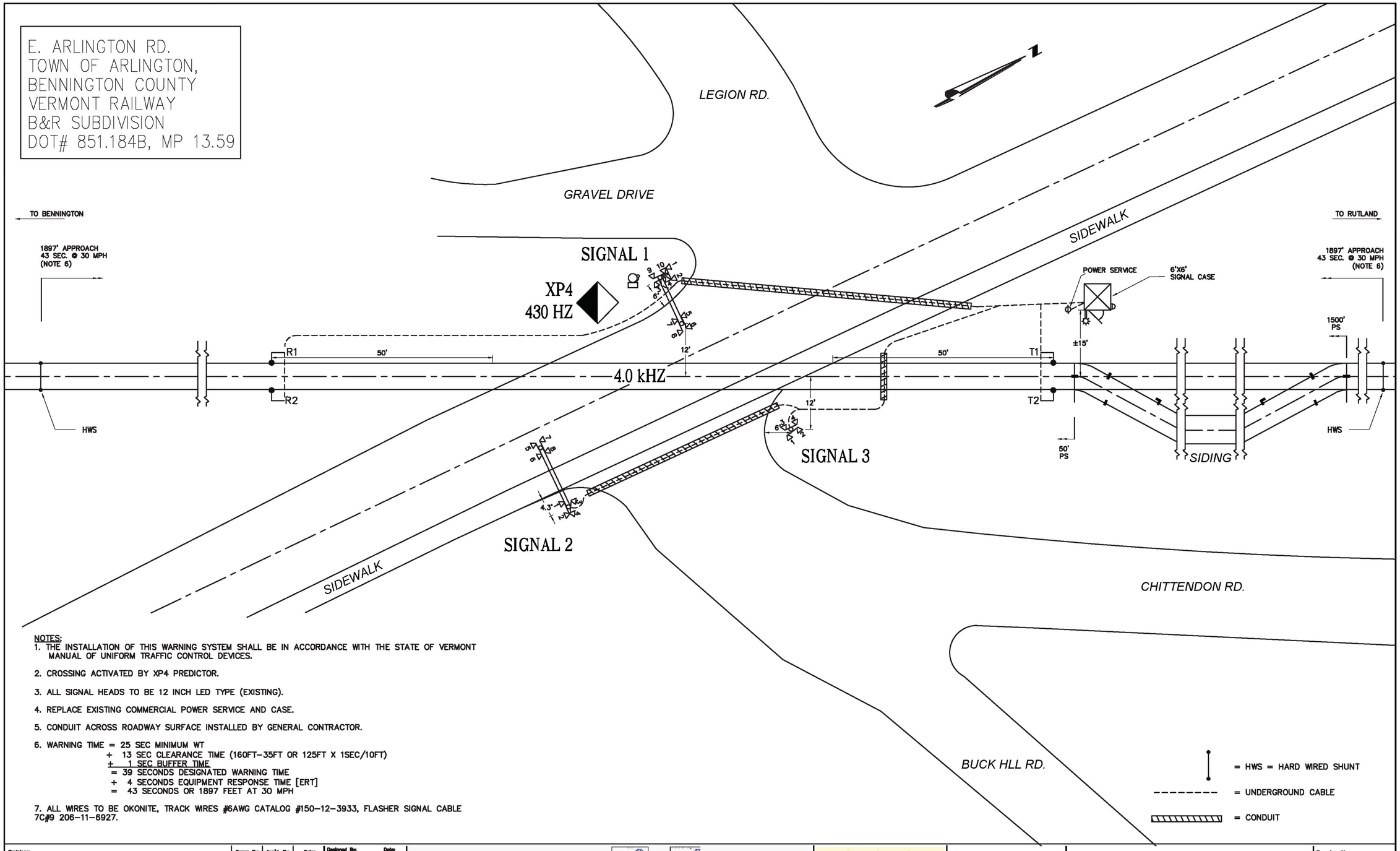
DRAWN BY: JEA	DATE: 04/26/16	SCALE: NONE
CHECKED BY:XXX	DATE: 00/00/00	SHEET: 1 OF 1

TYPICAL PHASE 2 CANT. MAST-12" MAST R.H. ASS'Y (MAST MOUNTED JUNCTION BOX)

DRAWING #: 9454ST0002 REV. A


2'-3"
SEE DETAIL 1/D-1
TOP PLAN
1" =6"
1" ANCHOR BOLT
1 NUT 1 WASHER ONLY
3-No.3 BAR LOOPS
WELDED TO 4-No.3
BAR LEGS TO
FORM BASKET
WEIGHT 440 lbs.
12"
4'-7"
24"
SEE DETAIL 4/D-3
WEIGHT 350 lbs
30"
TOTAL WEIGHT 1,650 lbs
1" x 57" BOLTS
DPS-2A ELEVATION
1" = 6"
SEE DETAIL 4/D-3
30"
PLAN VIEW - BASE
1" = 6"
#3 BAR WELDED
INTO MAT
1" ANCHOR BOLT
1-3/4" TAPERED HOLE
4"x4"x1/4" PLATE WELDED
TO HEAVY GALV. NUT
No. 2 BAR STOP
WELDED TO NUT
EMBEDDED NUT
NOT TO SCALE
24"
3/4" COIL LOOP
PLAN VIEW - SPIDER
NOT TO SCALE
PATENTED
Dixie Precast, Inc.
2950 Angelette Drive
Austell, Georgia 30106
770-944-1930 FAX: 770-944-9136
website: www.dixieprecast.com
PRODUCT IS COVERED
BY ONE OR MORE OF
THE FOLLOWING PATENTS
DPS-2A
PRECAST CONCRETE FOUNDATION
FOR 4", 5" and 6" MAST
THIS PRINT REPRESENTS A PROPRIETARY PRODUCT
AND IS OWNED BY DIXIE PRECAST, INC. FOR THE
USE OF ITS CUSTOMERS. IS NOT TO BE CONVEYED,
NOR COPIED BY ANY OTHER PARTY WITHOUT THE
EXPRESS WRITTEN APPROVAL OF THE OWNER
D-4

E. ARLINGTON RD.
TOWN OF ARLINGTON,
BENNINGTON COUNTY
VERMONT RAILWAY
B&R SUBDIVISION
DOT# 851.184B, MP 13.59



NOTES;
1. THE INSTALLATION OF THIS WARNING SYSTEM SHALL BE IN ACCORDANCE WITH THE STATE OF VERMONT MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.
2. CROSSING ACTIVATED BY XP4 PREDICTOR.
3. ALL SIGNAL HEADS TO BE 12 INCH LED TYPE (EXISTING).
4. REPLACE EXISTING COMMERCIAL POWER SERVICE AND CASE.
5. CONDUIT ACROSS ROADWAY SURFACE INSTALLED BY GENERAL CONTRACTOR.
6. WARNING TIME = 25 SEC MINIMUM WT
   + 13 SEC CLEARANCE TIME (160FT–35FT OR 125FT X 1SEC/10FT)
   + 1 SEC BUFFER TIME
   = 39 SECONDS DESIGNATED WARNING TIME
   + 4 SECONDS EQUIPMENT RESPONSE TIME [ERT]
   = 43 SECONDS OR 1897 FEET AT 30 MPH
7. ALL WIRES TO BE OKONITE, TRACK WIRES #6AWG CATALOG #150–12–3933, FLASHER SIGNAL CABLE 7C#9 206–11–6927.

Revisions:	Drawn By:	App'd. By:	Date:

Designed By:	Date:
SLW	4/16
Drawn By:	Date:
SLW	4/16
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SLW	4/16

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05401

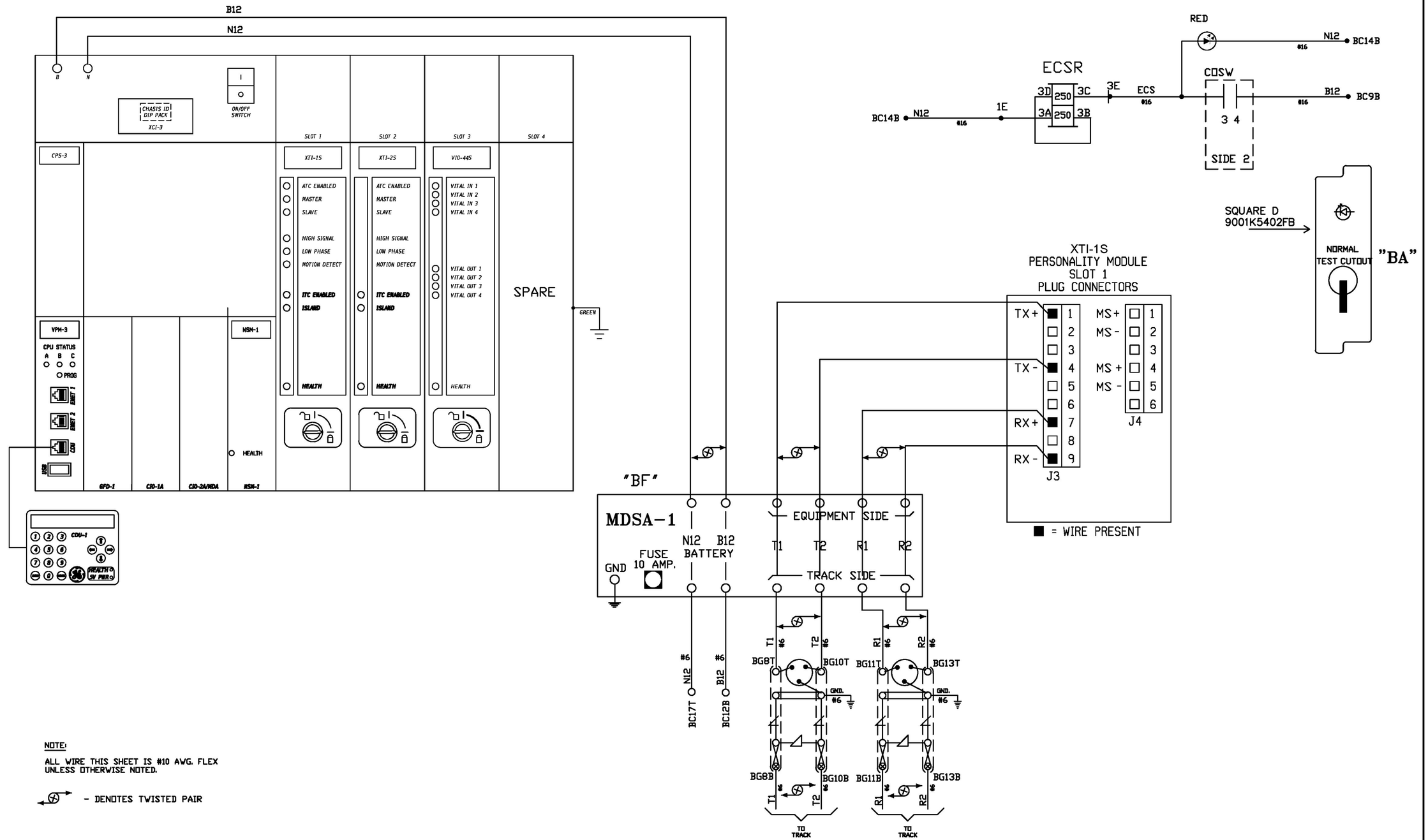
GRADE CROSSING WARNING SIGNALS
LAYOUT PLAN

EAST ARLINGTON RD., ARLINGTON, VT.

SCALE: NONE | DATE: APRIL 2016

Drawing No.
PL-1

SHEET 1 OF 10



NOTE:

ALL WIRE THIS SHEET IS #10 AWG. FLEX UNLESS OTHERWISE NOTED.

- DENOTES TWISTED PAIR

Revisions:	Drawn By:	App'd. By:	Date:

Designed By: SLW	Date: 4/16
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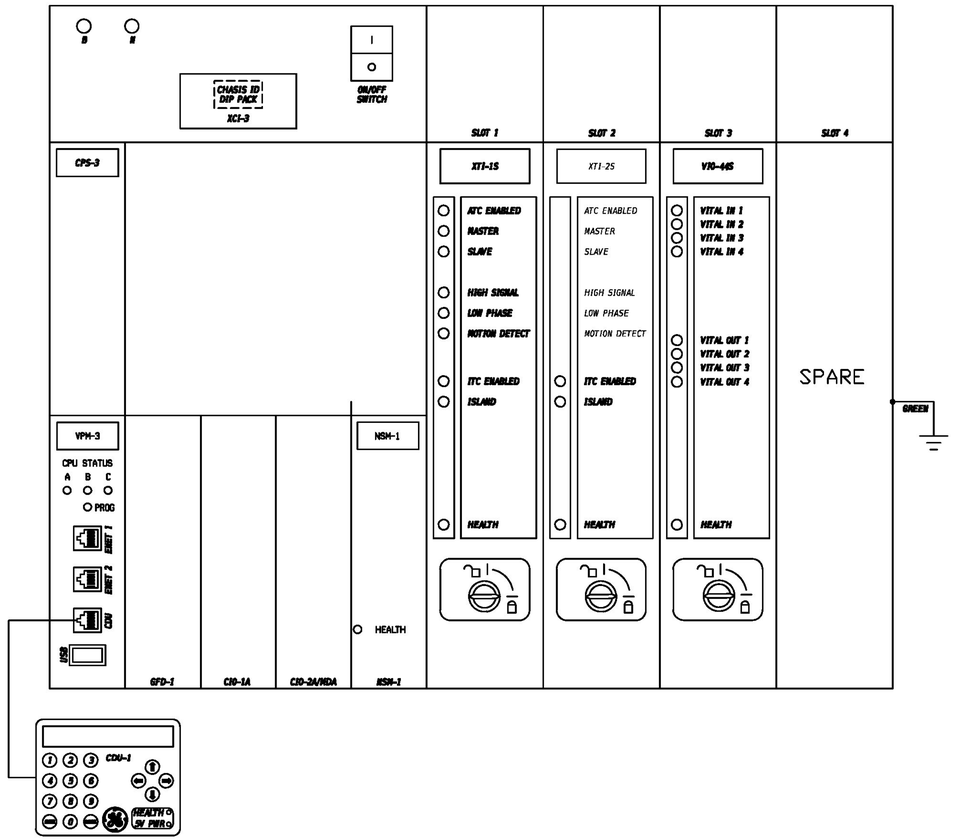
GRADE CROSSING WARNING SIGNALS
XP4 TRACK CIRCUIT PLAN

EAST ARLINGTON RD., ARLINGTON, VT.

SCALE: NONE | DATE: APRIL 2016

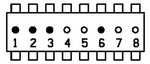
Drawing No. **X-1**

SHEET 2 OF 10



APPLICATION SOFTWARE INFORMATION	
NAME	1r_1_1i_0x_b
REV	0
CHECKSUM	DBD5
CRC	D321

CHASSIS ID DIP SHUNTS LOCATED ON BACKPLANE UNDERNEATH UCI-3 MODULE ID#27



○ = TAB INTACT (MADE - TRUE)
● = TAB PUNCHED OUT (BROKEN - FALSE)

Track Parameters		TRACK #1
Basic Setup		
Frequency	FIELD SETTABLE	430
Master/Slave	M-S (MASTER)	M
Direction Mode	BI-UNI (BI)	BI
Approach Length	250-9999	1897
Advance Setup		
Motion Det Timer	MDEN	ENA-DIS	DIS
	MDTT	10-60(10)	10
False Shunt Timer	FSEN	ENA-DIS	DIS
	FSRX	0-80(0)	0
	FST	0-60(10)	10
Approach Release Timer	AREN	ENA-DIS	DIS
	ARRX	0-80(0)	0
	ART	0-60(10)	10
Loss of Shunt Timer		4-99(16)	16
IJ-LOS Timer		4-99(5)	5

MDR Parameters		MDR1
Warning Time		23-99(99)	43
CW/MD		MD-CW	CW
AP Time		0-99(30)	30
CWE-WT		0-80(30)	80
Aux Recvr Dly		0-99(0)	0
Track Assigned		Various	1
Offset Distance		0-9999(0)	0
MD Restart		0-99(0)	0
Sudden Shunt Zone		0-99(0)	0
Positive Start	PSEN	ENA-DIS	DIS
	PSRX	0-80(0)	0
	PST	0-80(0)	0
Post Joint Detect	PJEN	ENA-DIS	DIS
	PJRX	15-80(15)	15
	PJDT	4-99(15)	15

Island Parameters		Actual
Enable/Disable	Enable/Disable (Enable)	Enable
Frequency	4KHz-8KHz	4.0KHz
Loss of Shunt	.5-4	(2)
Fault Delay	1-2	1

Revisions:	Drawn By:	App'd. By:	Date:

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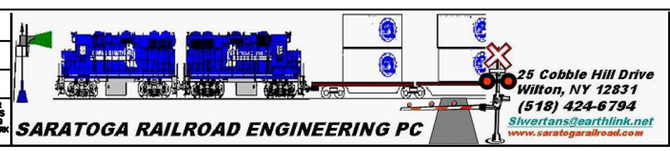

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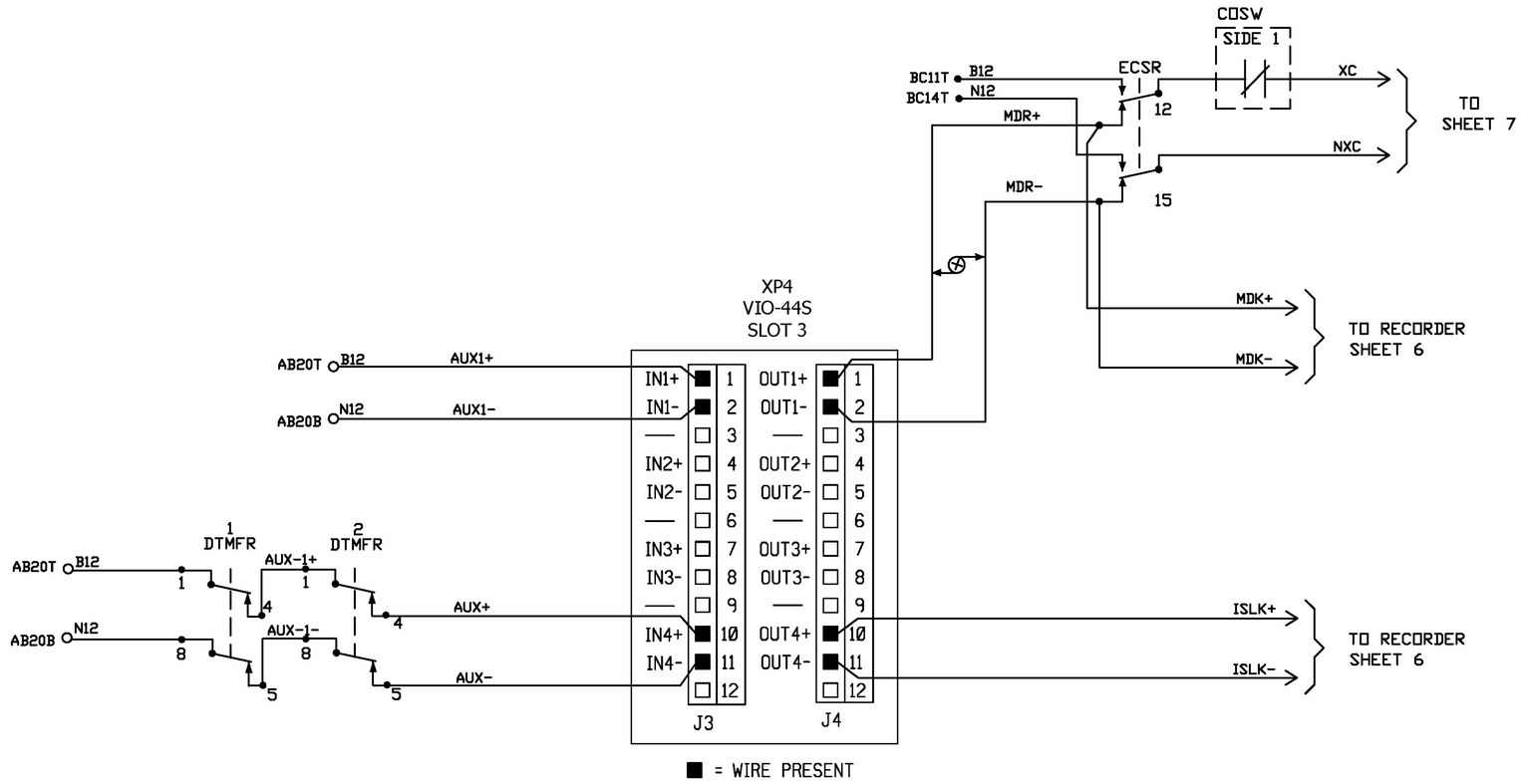
GRADE CROSSING WARNING SIGNALS
XP4 TRACK SETUP PLAN

EAST ARLINGTON RD., ARLINGTON, VT.

SCALE: NONE | DATE: APRIL 2016

Drawing No. X-2

SHEET 3 OF 10



NOTE:

ALL WIRE THIS SHEET IS #16 AWG. FLEX UNLESS OTHERWISE NOTED.

- DENOTES TWISTED PAIR

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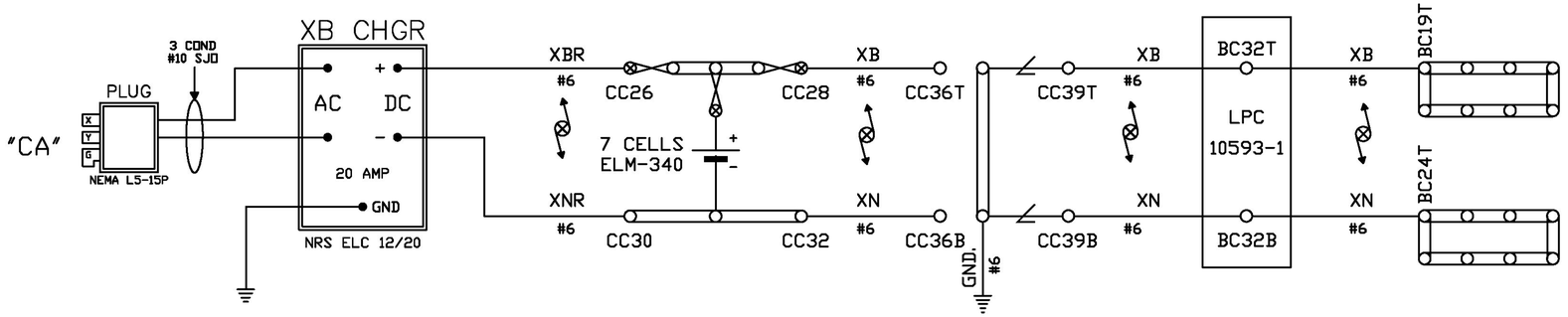
GRADE CROSSING WARNING SIGNALS
XP4 VIO SETUP PLAN

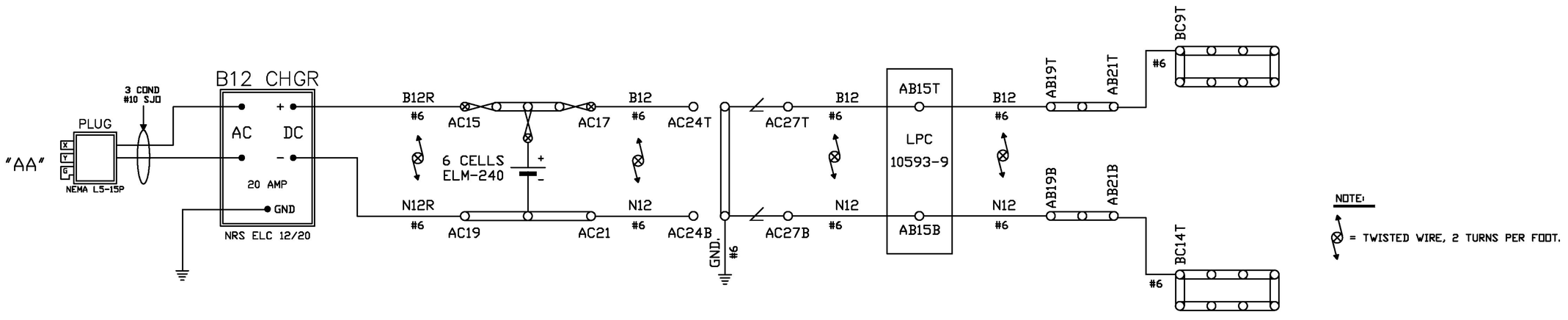
EAST ARLINGTON RD., ARLINGTON, VT.

SCALE: NONE | DATE: APRIL 2016

Drawing No. X-3

SHEET 4 OF 10





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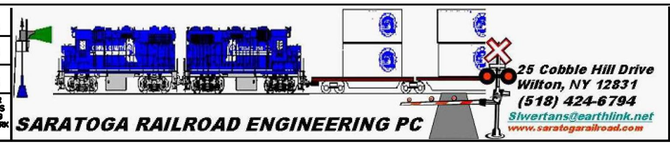
Checked By: SLW	Date: 4/16



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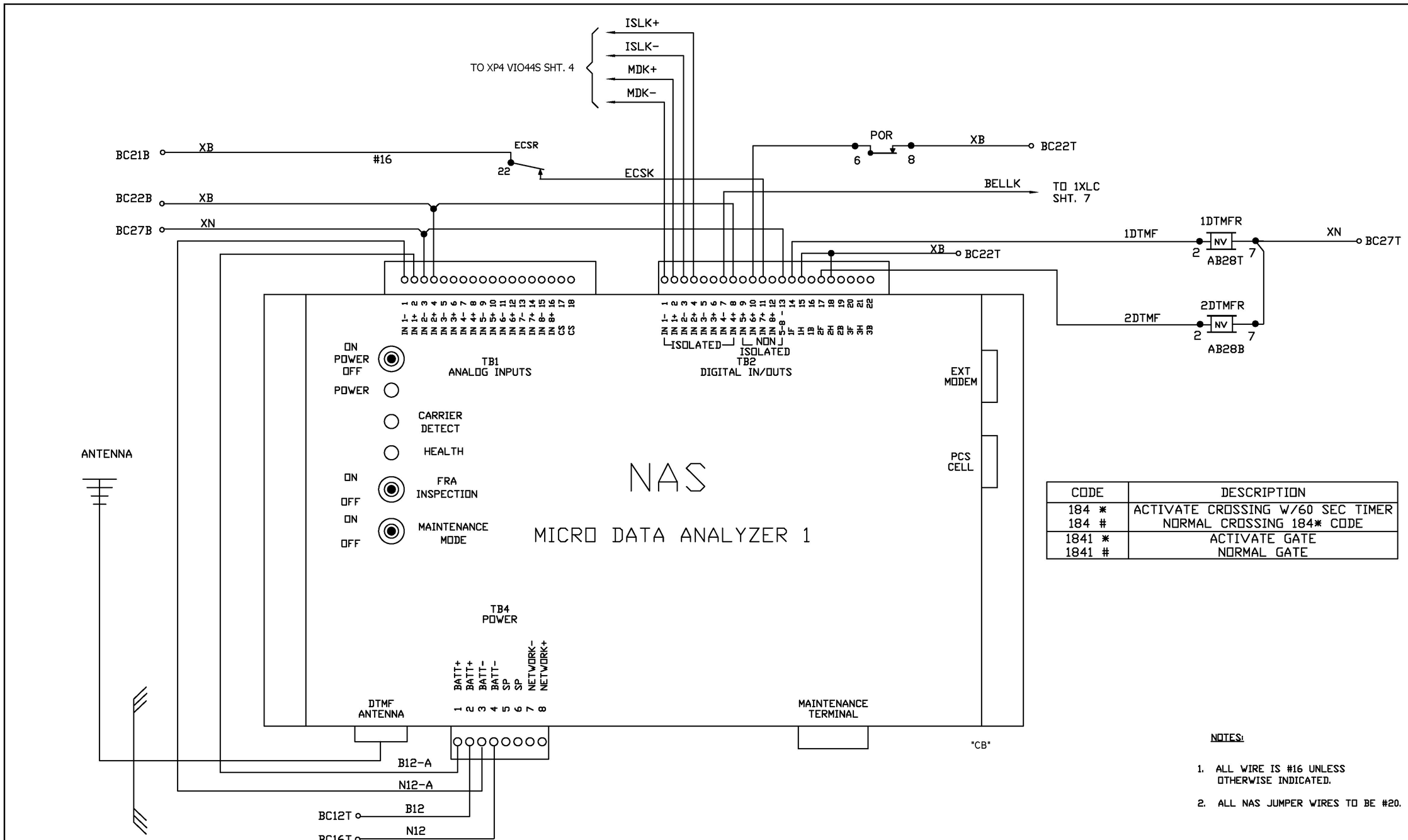
GRADE CROSSING WARNING SIGNALS
BATTERY CHARGER CIRCUITS PLAN

EAST ARLINGTON RD., ARLINGTON, VT.

SCALE: NONE | DATE: APRIL 2016

Drawing No. **BC-1**



CODE	DESCRIPTION
184 * 184 #	ACTIVATE CROSSING W/60 SEC TIMER NORMAL CROSSING 184* CODE
1841 * 1841 #	ACTIVATE GATE NORMAL GATE

NOTES:

1. ALL WIRE IS #16 UNLESS OTHERWISE INDICATED.
2. ALL NAS JUMPER WIRES TO BE #20.

Revisions:	Drawn By:	App'd. By:	Date:

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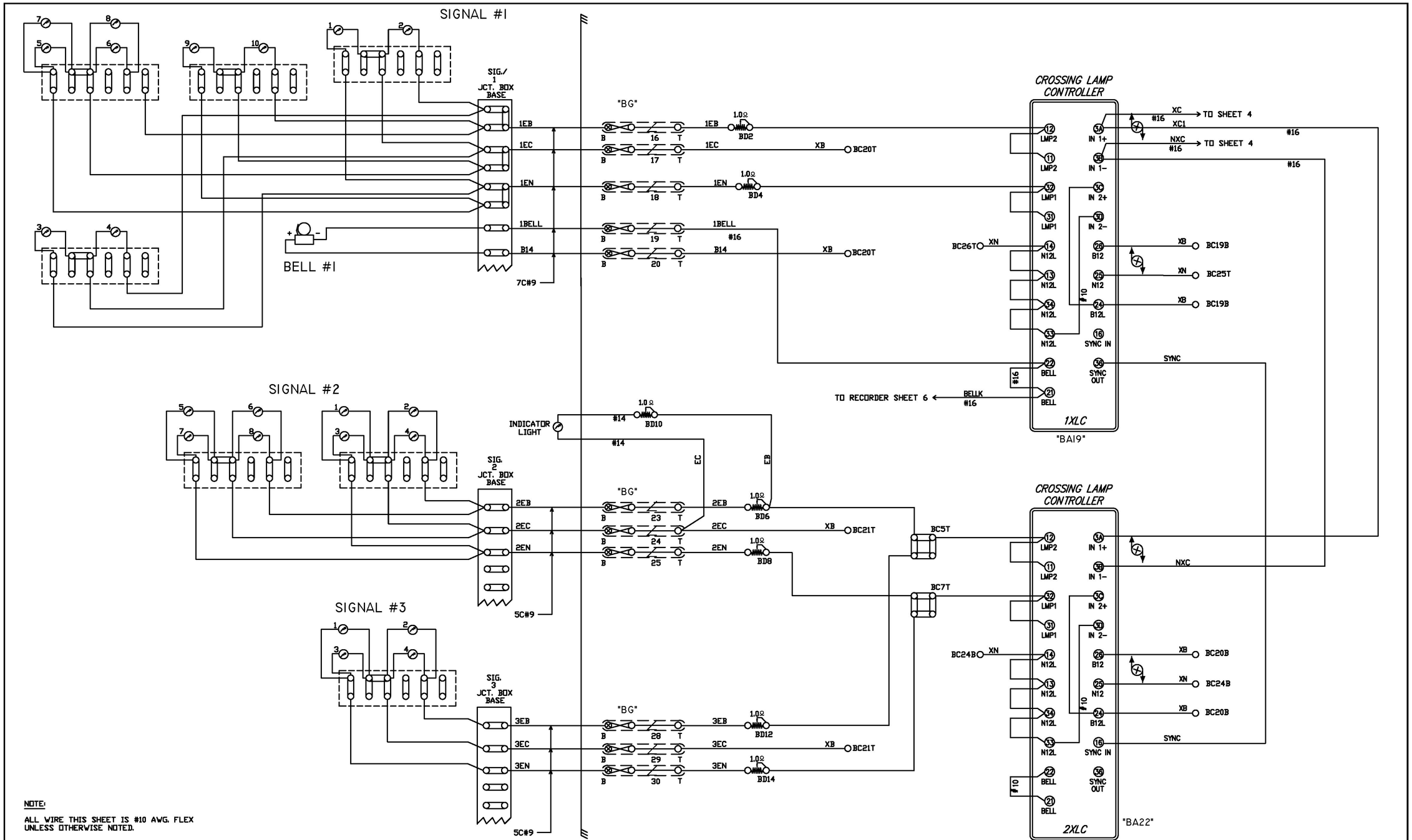
GRADE CROSSING WARNING SIGNALS
DATA RECORDER CIRCUIT PLAN

EAST ARLINGTON RD., ARLINGTON, VT.

SCALE: NONE | DATE: APRIL 2016

Drawing No. DR-1

SHEET 6 OF 10



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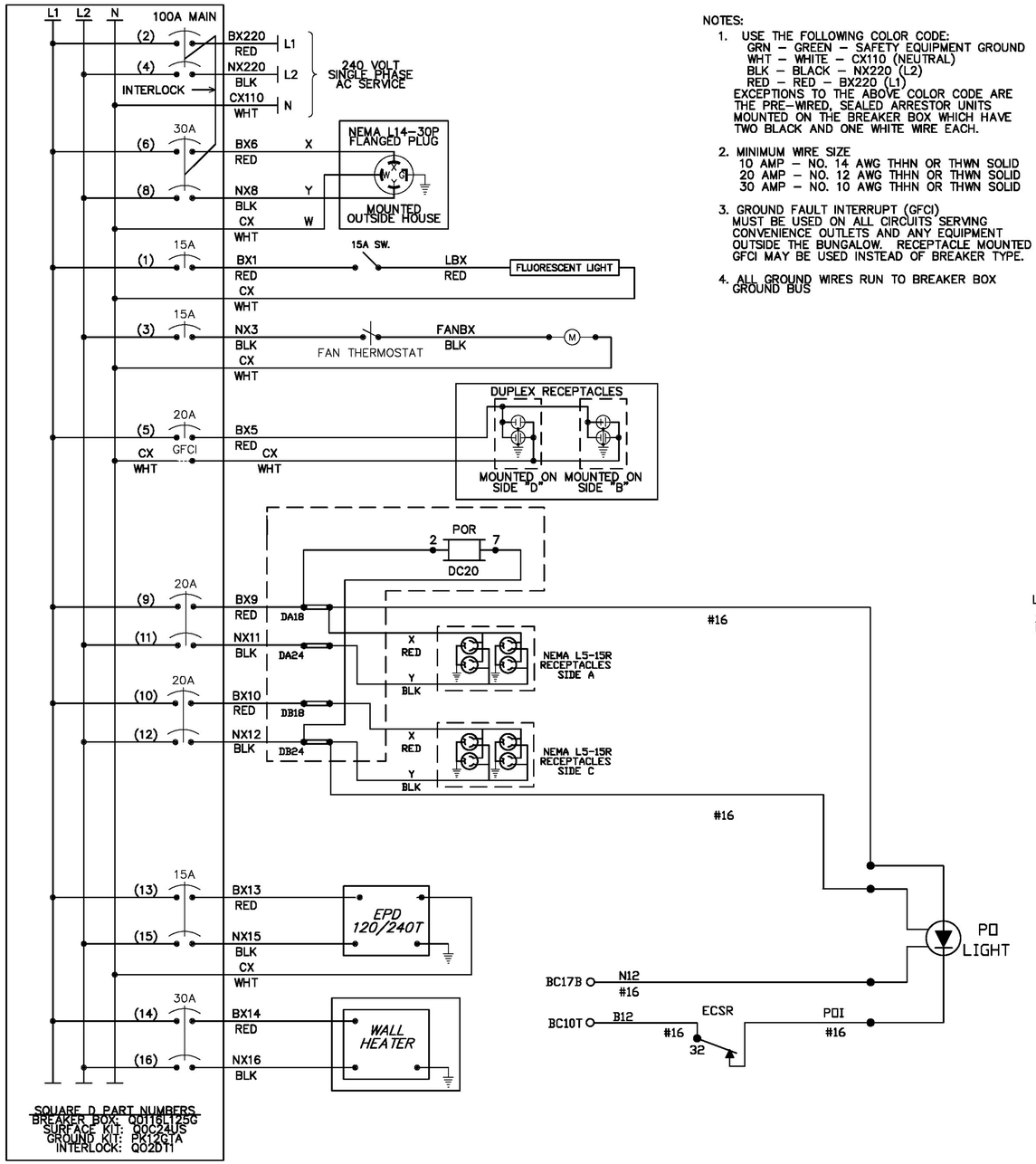
GRADE CROSSING WARNING SIGNALS
LIGHTING CIRCUITS PLAN

EAST ARLINGTON RD., ARLINGTON, VT.

SCALE: NONE | DATE: APRIL 2016

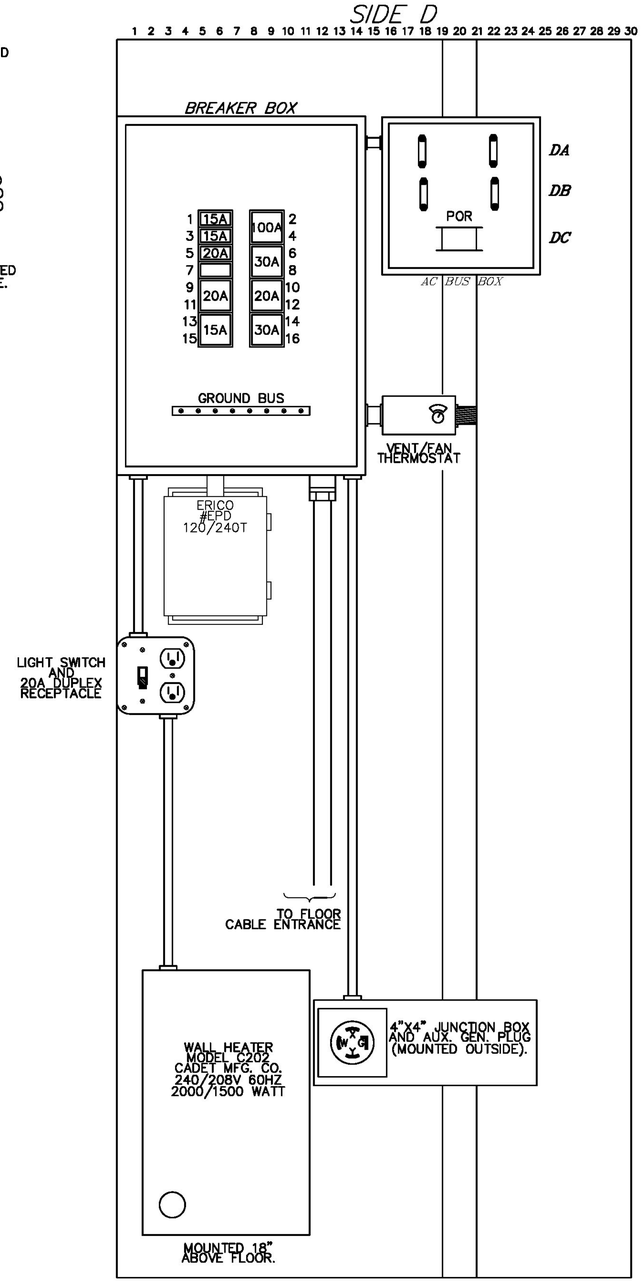
Drawing No. F-1

SHEET 7 OF 10



NOTES:

1. USE THE FOLLOWING COLOR CODE:
   GRN – GREEN – SAFETY EQUIPMENT GROUND
   WHT – WHITE – CX110 (NEUTRAL)
   BLK – BLACK – NX220 (L2)
   RED – RED – BX220 (L1)
   EXCEPTIONS TO THE ABOVE COLOR CODE ARE THE PRE-WIRED, SEALED ARRESTOR UNITS MOUNTED ON THE BREAKER BOX WHICH HAVE TWO BLACK AND ONE WHITE WIRE EACH.
2. MINIMUM WIRE SIZE
   10 AMP – NO. 14 AWG THHN OR THWN SOLID
   20 AMP – NO. 12 AWG THHN OR THWN SOLID
   30 AMP – NO. 10 AWG THHN OR THWN SOLID
3. GROUND FAULT INTERRUPT (GFCI) MUST BE USED ON ALL CIRCUITS SERVING CONVENIENCE OUTLETS AND ANY EQUIPMENT OUTSIDE THE BUNGALOW. RECEPTACLE MOUNTED GFCI MAY BE USED INSTEAD OF BREAKER TYPE.
4. ALL GROUND WIRES RUN TO BREAKER BOX GROUND BUS



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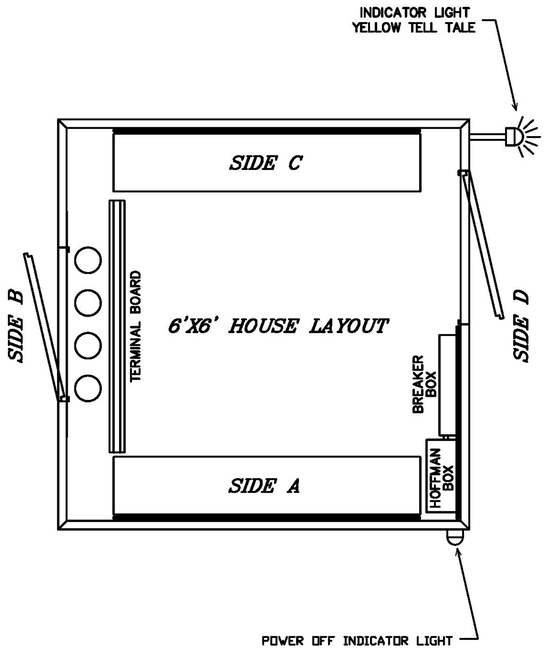
GRADE CROSSING WARNING SIGNALS
POWER CIRCUITS PLAN

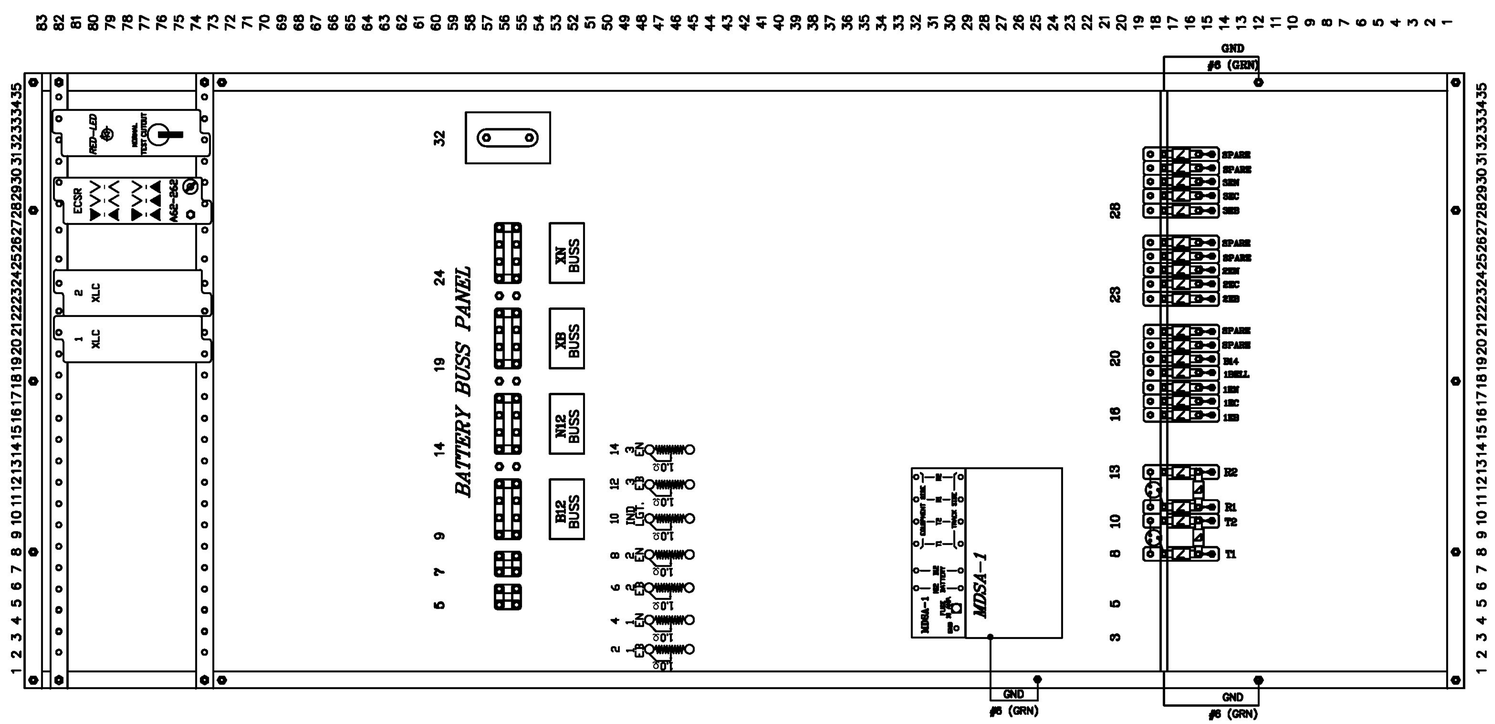
EAST ARLINGTON RD., ARLINGTON, VT.

SCALE: NONE | DATE: APRIL 2016

Drawing No. P-1

SHEET 8 OF 10





BA BB BC BD BE BF BG

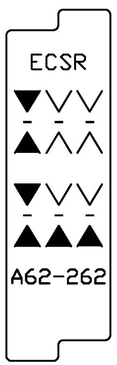
= H.D. ARRESTOR (02615-2X)

= H.D. EQUALIZER (022700-2X)

= LIGHTNING PROTECTION (LPC-10560-51)

= LIGHTNING PROTECTION (LPC-10593-9)

= ADJUSTABLE RESISTOR



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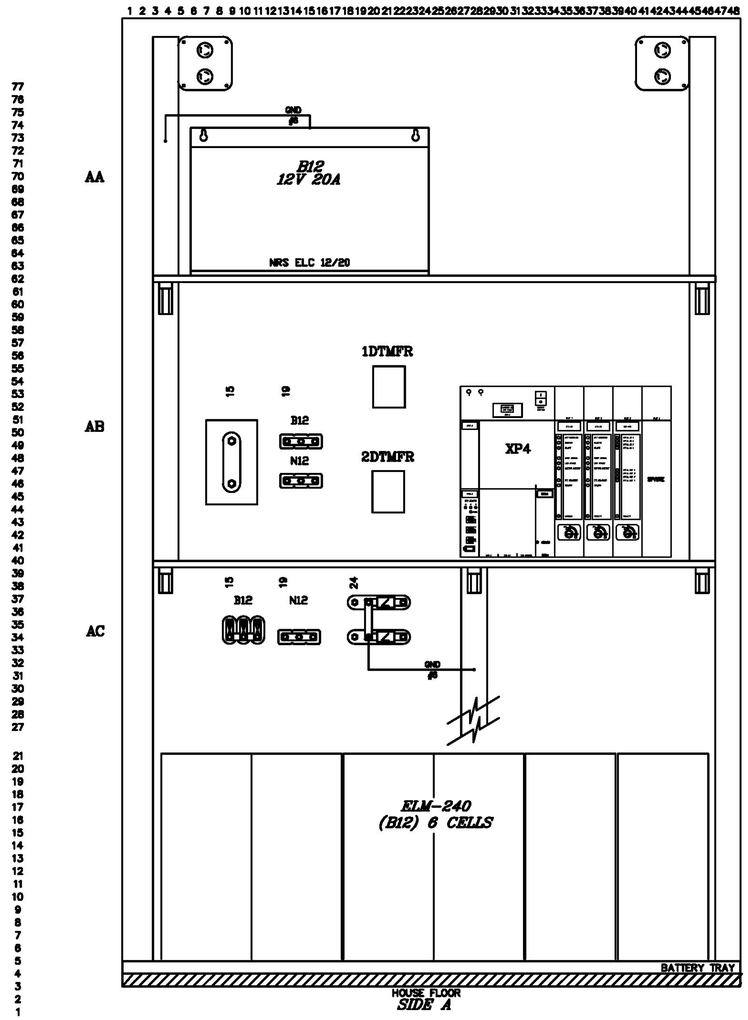
GRADE CROSSING WARNING SIGNALS
TERMINAL BD LAYOUT PLAN

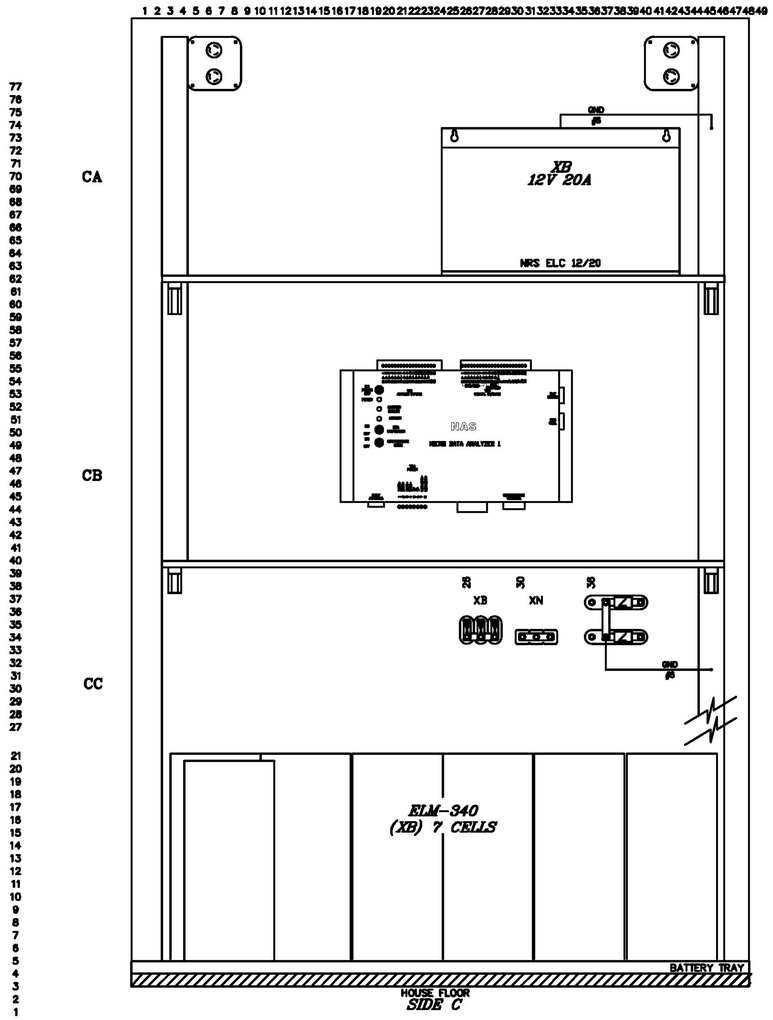
EAST ARLINGTON RD., ARLINGTON, VT.

SCALE: NONE | DATE: APRIL 2016

Drawing No. L-1

SHEET 9 OF10





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GRADE CROSSING WARNING SIGNALS
SIDE A&C LAYOUT PLAN

EAST ARLINGTON RD., ARLINGTON, VT.

SCALE: NONE | DATE: APRIL 2016

Drawing No.
L-2

SHEET 10 OF 10