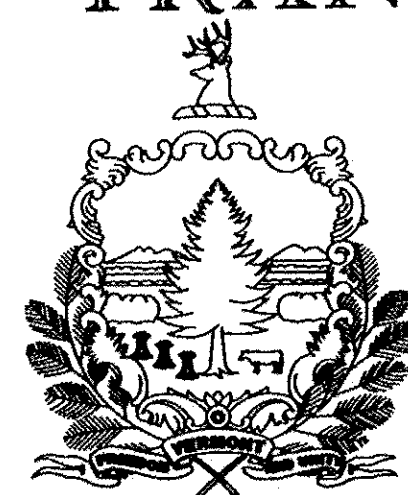


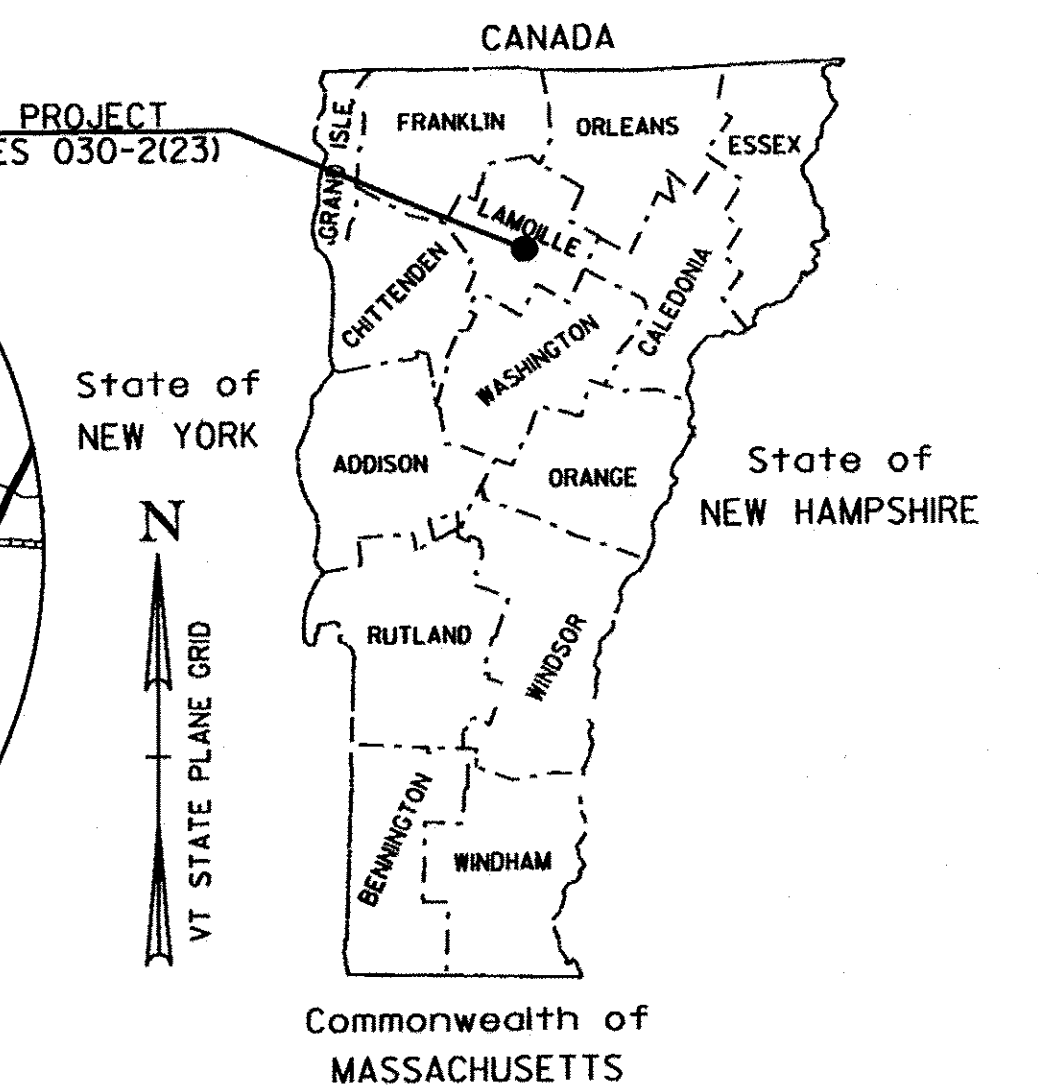
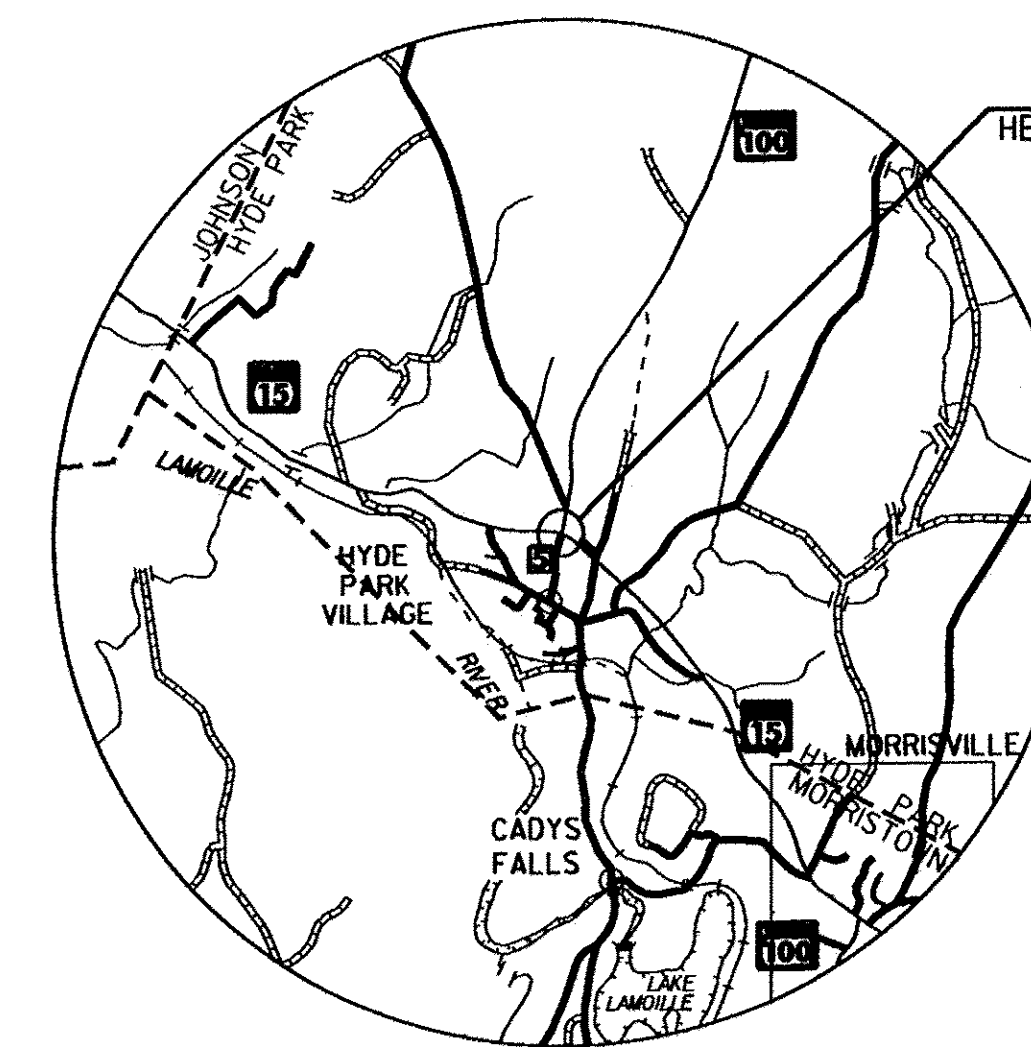
STATE OF VERMONT AGENCY OF TRANSPORTATION



PROPOSED ROUNDABOUT TOWN OF HYDE PARK COUNTY OF LAMOILLE VT 15 & VT 100 - MINOR ARTERIALS

LOCATED IN THE TOWN OF HYDE PARK AT THE INTERSECTION OF VT ROUTE 15 (MM 1.825) AND VT ROUTE 100 (MM 0.000),
STARTING AT VT ROUTE 15 MM 1.75 AND ENDING AT MM 1.94.
WORK TO BE PERFORMED UNDER THIS PROJECT INCLUDES CONSTRUCTION OF A NEW ROUNDABOUT, MINOR REALIGNMENT
OF THE APPROACHES, INCLUDING NEW LANDSCAPING, STREET LIGHTING, AND DRAINAGE.

LENGTH OF PROJECT:
VT ROUTE 15 = 1269 FT = 0.24 MILES
VT ROUTE 100 = 414 FT = 0.08 MILES
T.H. 5 = 250 FT = 0.05 MILES



INDEX OF SHEETS
SEE SHEET 2

STANDARDS
SEE SHEET 2

RECORD PLANS

CONTRACTOR: G. W. TATRO CONSTRUCTION, INC. - JEFFERSONVILLE, VT

RESIDENT ENGINEER: DAVE HOSKING

CONSTRUCTION BEGAN: APRIL 23, 2011

CONSTRUCTION COMPLETE: JUNE 29, 2012

RECORD PLANS BY: DAVE HOSKING & C. PIERCE

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

BY *Dave Hosking* RESIDENT ENGINEER

DATE 2/24/16

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.

BITUMINOUS CONCRETE PAVEMENT SUPERPAVE MIXTURE DESIGN CRITERIA

DESIGN LANE/LIFE ESALS (20 YEARS)	5,782,000
DESIGN NUMBER OF GYRATIONS	75

TRAFFIC DATA

VT ROUTE 15 WESTBOUND	VT ROUTE 100
2010 AADT = 8,900	2010 AADT = 4,900
2010 DHV = 990	2010 DHV = 550
2030 ADT = 10,800	2030 ADT = 6,000
2030 DHV = 1200	2030 DHV = 670
2030 %T = 11.9	2030 %T = 13.3
2030 %D = 52	2030 %D = 57
VT ROUTE 15 EASTBOUND	TH 5 (CHURCH ST.)
2010 AADT = 6,800	2010 AADT = 1,500
2010 DHV = 770	2010 DHV = 190
2030 ADT = 8,300	2030 ADT = 1,900
2030 DHV = 930	2030 DHV = 240
2030 %T = 14.6	2030 %T = 12.2
2030 %D = 53	2030 %D = 51

FUNCTIONAL CLASS: MINOR ARTERIAL
2010 - 2030 ESAL'S 15W (15E) = 5,782,000 (4,352,000)
2010 - 2030 ESAL'S 15W (15E) = 15,030,000 (10,551,000)
2010 - 2030 ESAL'S 100N = 2,974,000
2010 - 2030 ESAL'S 100N = 7,822,000
2010 - 2030 ESAL'S TH5 = 570,000
2010 - 2030 ESAL'S TH5 = 1,543,000
POSTED SPEED = 40 MPH
DESIGN SPEED = 25 MPH

QAP LEVEL 2

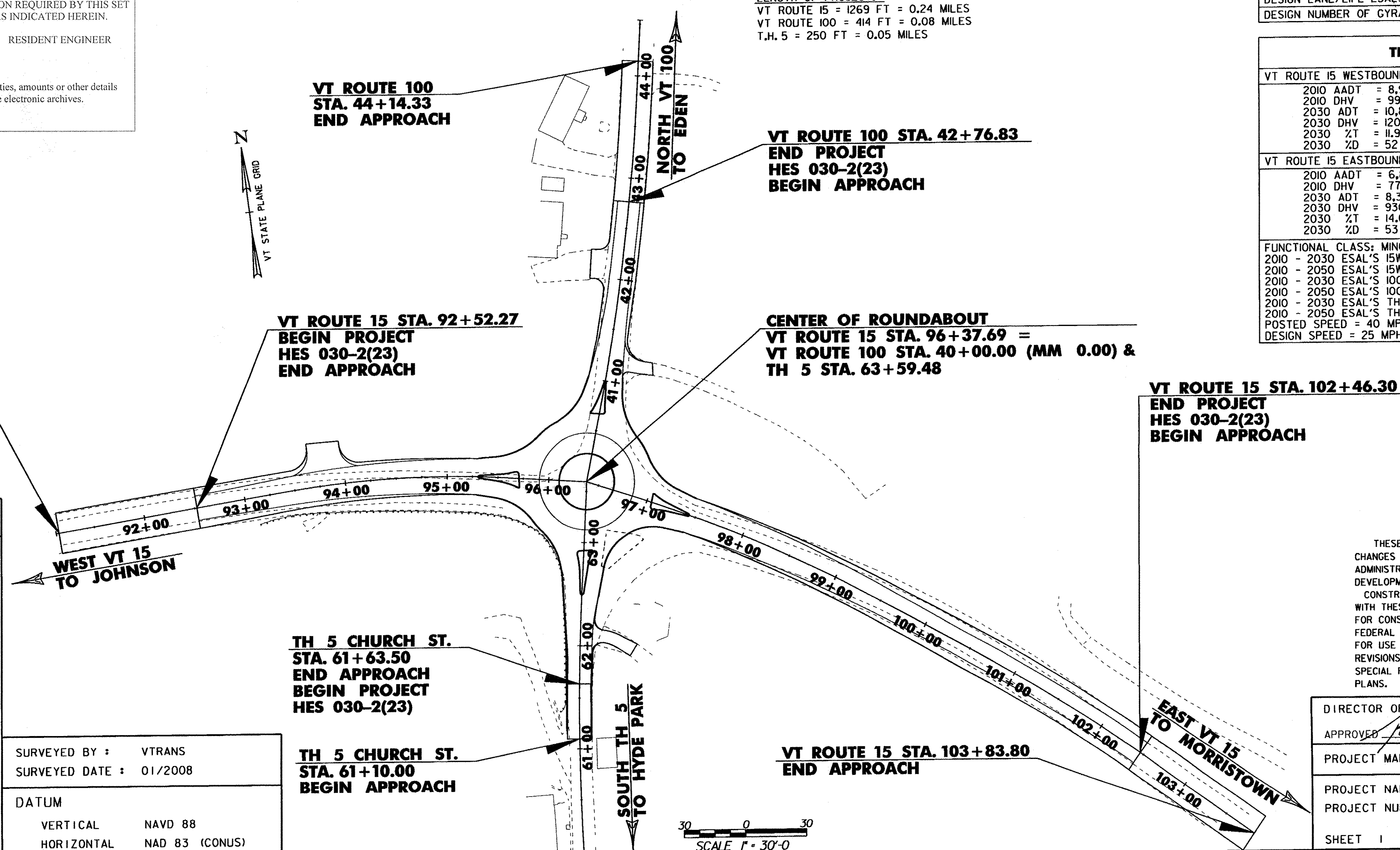
CONVENTIONAL SYMBOLS

COUNTY LINE	
TOWN LINE	
LIMITS OF ACCESS	
POINT OF ACCESS	
FENCE LINE	
STONE WALL	
TRAVELED WAY	
GUARD RAIL	
RAILROAD	
SURVEY LINE	
CULVERT	
POWER POLE	
TELEPHONE POLE	
TREES	
CONTROL OF ACCESS	
PROPERTY LINE	
R.O.W. TAKING LINE	
SLOPE RIGHTS	
TOP OF CUT	
TOE OF SLOPE	

SURVEYED BY : VTRANS
SURVEYED DATE : 01/2008

DATUM

VERTICAL NAVD 88
HORIZONTAL NAD 83 (CONUS)



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 2006, AS APPROVED BY THE
FEDERAL HIGHWAY ADMINISTRATION ON JUNE 15, 2006
FOR USE ON THIS PROJECT, INCLUDING ALL SUBSEQUENT
REVISIONS AND SUCH REVISED SPECIFICATIONS AND
SPECIAL PROVISIONS AS ARE INCORPORATED IN THESE
PLANS.

DIRECTOR OF PROGRAM DEVELOPMENT	
APPROVED <i>Joshua L. Schultz</i>	DATE 11-30-10
PROJECT MANAGER : JOSHUA L. SCHULTZ	
PROJECT NAME : HYDE PARK	
PROJECT NUMBER : HES 030-2 (23)	
SHEET 1 OF 100 SHEETS	

INDEX OF SHEETS & STANDARDS LIST

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2	INDEX OF SHEETS
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5-8	QUANTITY SUMMARY SHEETS
9	ITEM DETAIL SHEET
10	DRAINAGE SUMMARY SHEET
11	EARTHWORKS SHEET
12	CONSTRUCTION APPROACH SIGNING SHEET
13	TIE SHEET
14	ALIGNMENT DATA SHEET
15-19	LAYOUT PLANS
20-22	PROFILE SHEETS
23	BANKING DIAGRAM SHEET
24	CURBING LAYOUT PLAN
25-30	DRAINAGE PLANS
31-34	DRAINAGE PROFILE SHEETS
35	DRAINAGE DETAILS SHEET
36	STORMWATER TREATMENT DETAILS SHEET
37	LIGHTING & LANDSCAPING PLAN
38-43	SIGNING & PAVEMENT MARKING PLANS
44	SIGNING DETAILS SHEET
45-49	TRAFFIC SIGN SUMMARY SHEETS
50	EPSC NARRATIVE
51-55	EPSC EXISTING CONDITIONS SITE PLANS
56-60	EPSC CONSTRUCTION SITE PLANS
61-65	EPSC FINAL CONDITIONS SITE PLANS
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69-74	TRAFFIC CONTROL PLANS
75	TRUCK DETOUR PLAN
76	TRAFFIC CONTROL DETAILS SHEET
77	BORING LOG SHEET
78-100	CROSS SECTIONS SHEET

SEE ATTACHED EXTRA WORK
LANDSCAPING PLANTING DETAIL
COD / SA NO. 4

STANDARDS LIST

A-78	SHARED-USE PATH TYPICAL	03-31-2004
B-5	SLOPE GRADING, EMBANKMENT, MUCK	06-01-1994
B-12	SIDE ROAD INTERSECTION, DEPRESSED RAMP	06-01-1994
B-71	RESIDENTIAL AND COMMERCIAL DRIVES	07-08-2005
C-10	CURBING	02-11-2008
D-1	PRECAST REINFORCED CONCRETE PIPE D.I. WITH CAST IRON GRATE	06-01-1994
	PRECAST REINFORCED CONCRETE PIPE D.I. WITH CONCRETE COVER	06-01-1994
D-3	TREATED GUTTERS	
D-11	GRATES & COVERS (TYPE A)	06-01-1994
D-15	PRECAST REINFORCED CONCRETE MANHOLE GRATES	06-01-1994
	(BICYCLE SAFE) CAST IRON GRATE WITH FRAME, TYPE D	
	CAST IRON GRATE WITH FRAME, TYPE E	
D-16	PRECAST CURB D.I. GRATE, RCP END SECTION, ETC.	06-01-1994
	CAST IRON GRATE, TYPE B CAST IRON GRATE, TYPE C	
	UNDERDRAIN RISER REINFORCED CONCRETE PIPE END	
	SECTION ENERGY DISSIPATOR FOR CULVERT	
D-30	UNDERDRAIN CONSTRUCTION DETAILS	08-13-2007
D-33	REINFORCED CONCRETE STRAIGHT HEADWALL	03-12-2007
E-100	CONSTRUCTION APPROACH SIGNS	01-02-2004
E-100A	SIDE ROAD CONSTRUCTION - APPROACH SIGNS	01-02-2004
E-101	CONSTRUCTION SIGN DETAILS	05-30-2003
E-102	CONSTRUCTION SIGN DETAILS	06-30-2003
E-102A	CONSTRUCTION SIGN DETAILS	05-01-2004
E-106	TRAFFIC CONTROL - MISCELLANEOUS DETAILS	03-01-2004
E-107	DELINEATION, BARRICADES AND DETOURS FOR CONSTRUCTION AREAS	06-30-2003
E-107A	BREAKAWAY BARRICADE DETAILS	06-08-2009
E-108	CONSTRUCTION ZONE LONGITUNDINAL DROP-OFFS	06-08-2009
E-119	UTILITY WORK ZONE	03-01-2004
E-120	STANDARD SIGN PLACEMENT - EXPRESSWAY & FREEWAYS	08-08-1995
E-121	STANDARD SIGN PLACEMENT - CONVENTIONAL ROAD	08-08-1995
E-123	GUIDE SIGN PLACEMENT - MISCELLANEOUS DETAILS	03-16-2004
E-127	ROUTE MARKINGS AT RURAL INTERSECTION	08-08-1995
E-130	TYPE 'B' GUIDE SIGN, ATTACHMENT DETAILS	08-08-1995
E-136B	STATE ROUTE MARKER SIGN DETAILS	08-08-1995
E-138	MILE MARKER DETAILS - STATE & TOWN HIGHWAYS	05-30-2003
E-141	REGULATORY SIGN DETAILS	09-20-1995
E-142	REGULATORY SIGN DETAILS	09-20-1995
E-144	REGULATORY SIGN DETAILS	03-29-1999
E-146	REGULATORY SIGN DETAILS	09-20-1995
E-150	WARNING SIGN DETAILS	05-01-2004
E-151	WARNING SIGN DETAILS	05-01-2004
E-155	WARNING SIGN DETAILS	05-01-2004
E-164	SQUARE STEEL SIGN POST	06-08-2009
E-173	PULLBOXES AND JUNCTION BOXES	08-09-1995
E-175	POWER DROP STANCHIONS	06-08-2009
E-180A	STREET LIGHTING DETAILS	08-09-1995
E-180B	STREET LIGHTING DETAILS	08-09-1995
E-191	PAVEMENT MARKING DETAILS	02-01-1999
E-192	PAVEMENT MARKING DETAILS	10-12-2000
E-193	PAVEMENT MARKING DETAILS	08-18-1995
G-1	STEEL BEAM GUARDRAIL (50 MPH & OVER)	01-03-2000
	HEAVY DUTY STEEL BEAM GUARDRAIL,	
	TWISTED END TERMINAL ANCHOR FOR	
	STEEL BEAM RAIL	
G-1D	STEEL BEAM GUARDRAIL (40 MPH & LESS)	01-03-2000
	HEAVY DUTY STEEL BEAM GUARDRAIL,	
	STEEL BEAM MEDIAN BARRIER ANCHOR	
	FOR STEEL BEAM RAIL	
G-19	GENERIC GRADING PLANS FOR GUARDRAIL END TERMINALS	11-15-2002
J-3	MAILBOX SUPPORT DETAILS	08-07-1995

PROJECT NAME: HYDE PARK
PROJECT NUMBER: HES 030-2(23)

FILE NAME: t08bl26frm.dgn	PLOT DATE: 08-DEC-2010
PROJECT LEADER: JLS	DRAWN BY: MBL
DESIGNED BY: MBL	CHECKED BY: JAD
INDEX OF SHEETS	SHEET 2 OF 100

MATERIAL TOLERANCES

MATERIAL ITEM	THICKNESS TOLERANCE
PAVEMENT (TOTAL DEPTH)	± 1/4"
BASE COURSE	± 1/2"
SUBBASE	± 1"
SAND BORROW	± 1"

TYPICAL SECTIONS

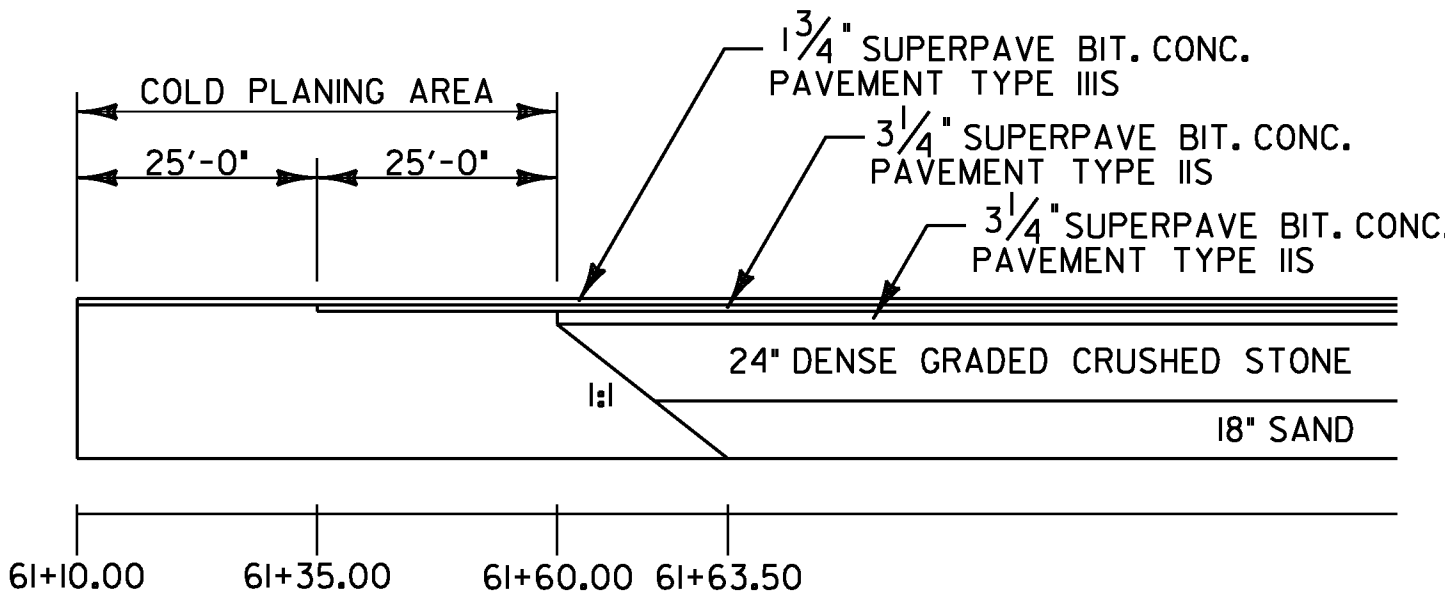
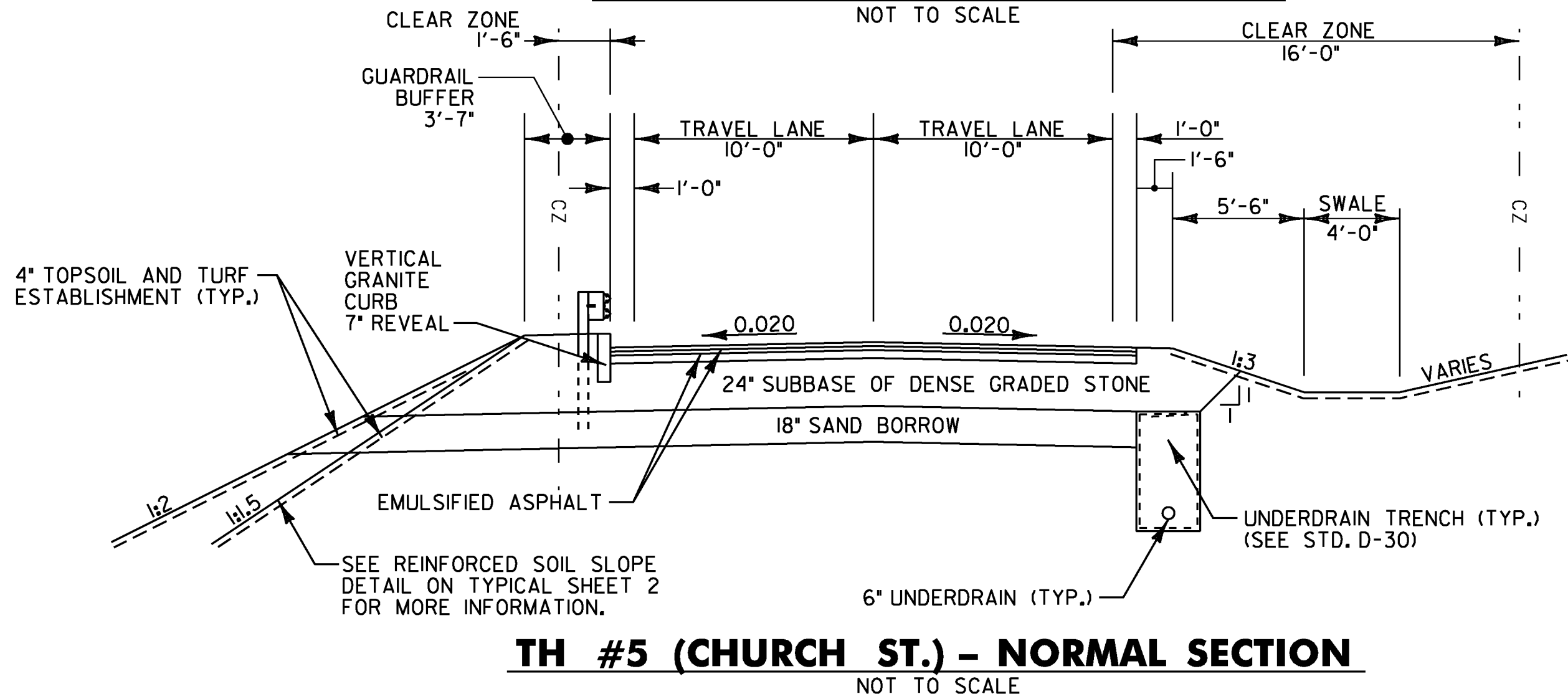
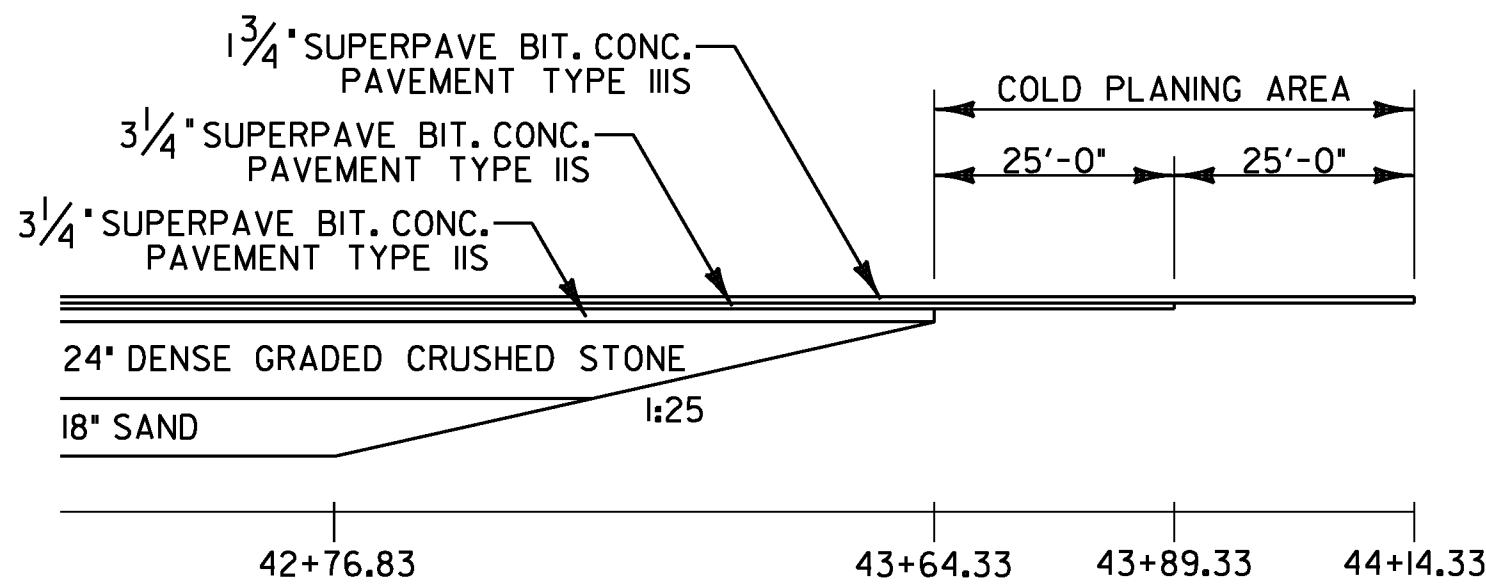
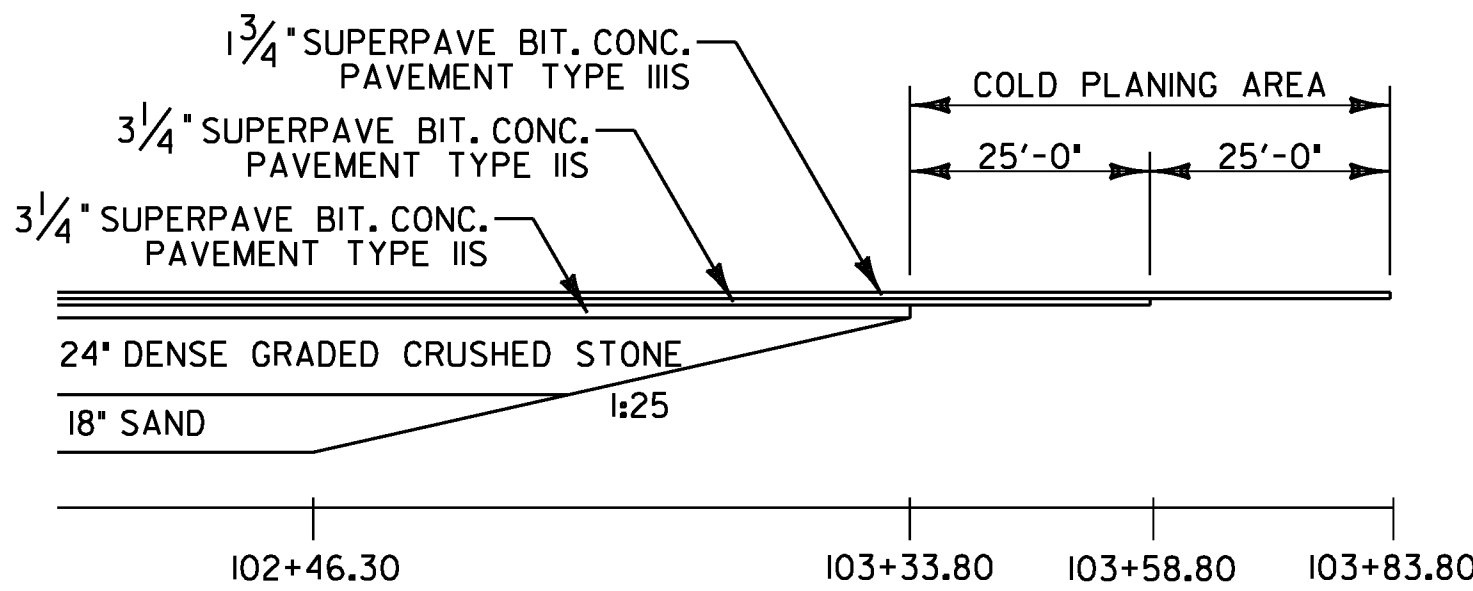
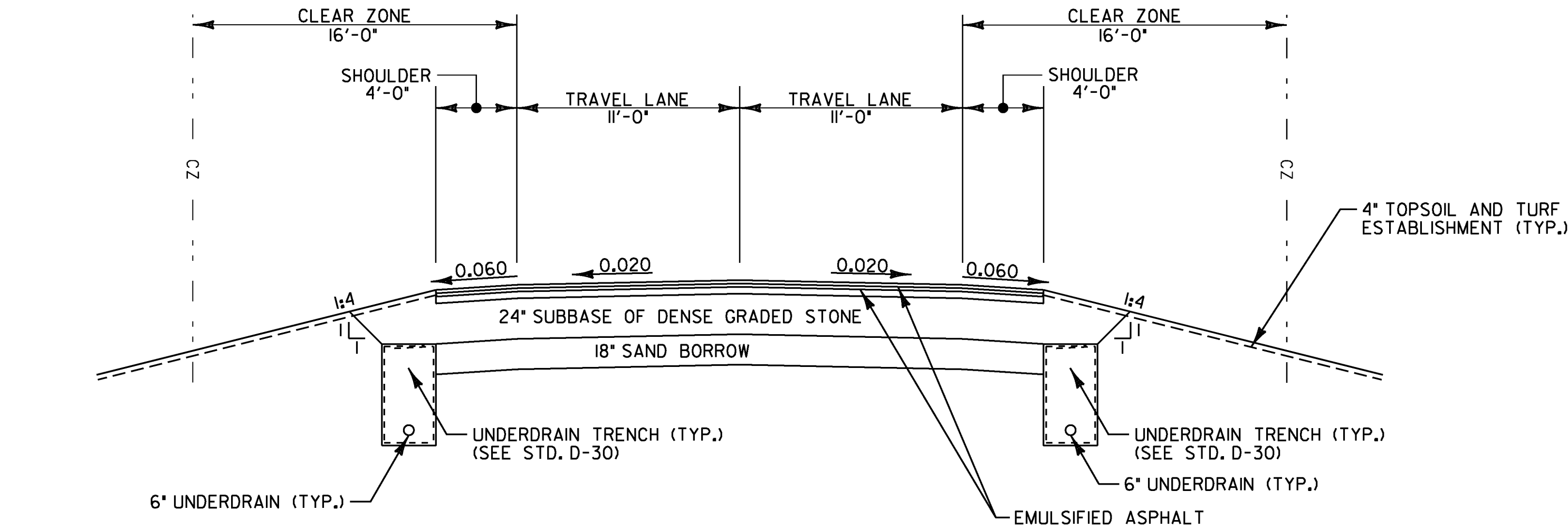
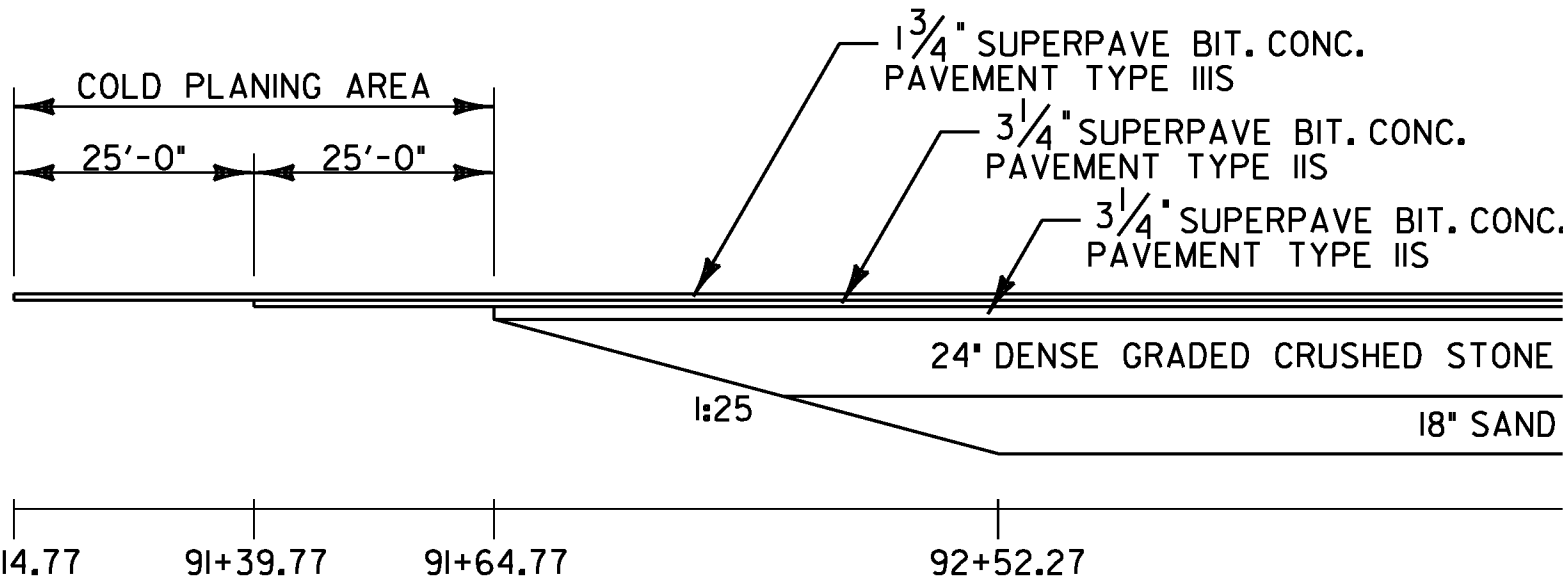
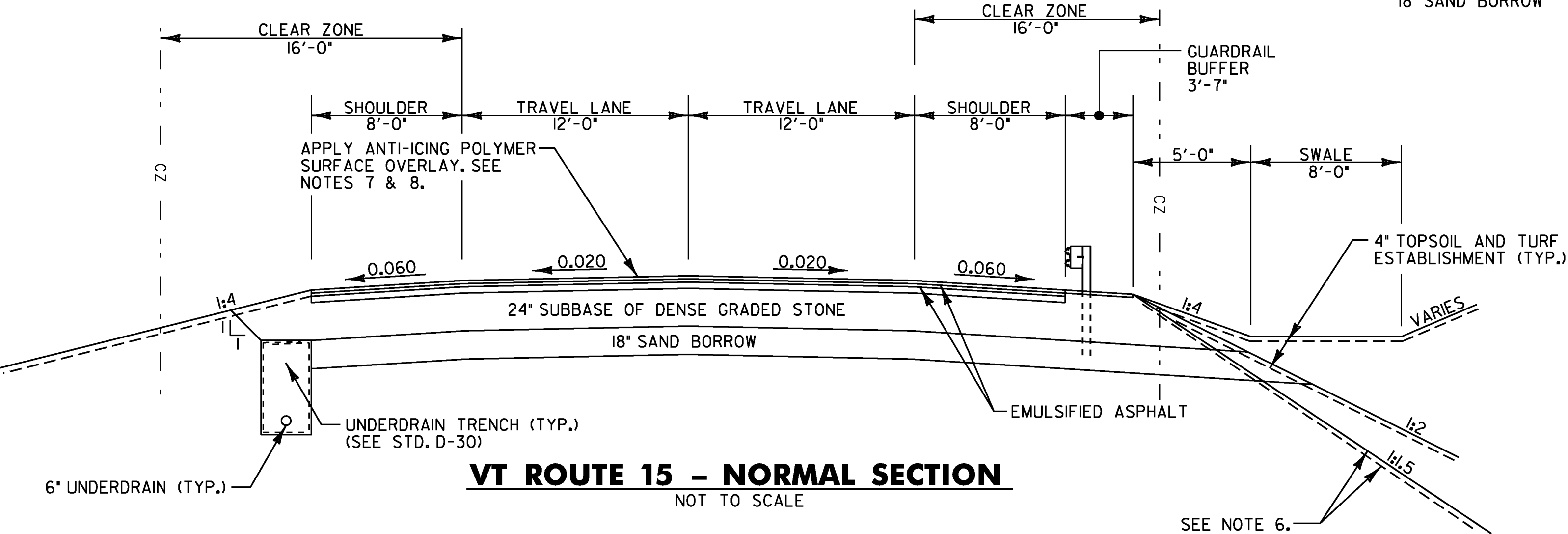
- 1 3/4" SUPERPAVE BITUMINOUS CONCRETE PAVEMENT (TYPE IIIS)
- 3 1/4" SUPERPAVE BITUMINOUS CONCRETE PAVEMENT (TYPE IIS)
- 3 1/4" SUPERPAVE BITUMINOUS CONCRETE PAVEMENT (TYPE IIS)
- 24" SUBBASE OF DENSE GRADED CRUSHED STONE
- 18" SAND BORROW

SEEDING FORMULA

SEE EPSC DETAILS SHEET 3 FOR THE SEEDING FORMULA.

GENERAL NOTES

- ALL WORK TO BE PERFORMED ON THIS PROJECT SHALL BE CONTAINED WITHIN THE LIMITS OF THE EXISTING STATE OF VERMONT AND TOWN OF HYDE PARK RIGHT-OF-WAYS.
- TACK COAT: EMULSIFIED ASPHALT IS TO BE APPLIED AT THE RATE OF 0.025 GAL/SY BETWEEN SUCCESSIVE COURSES OF PAVEMENT AS DIRECTED BY THE ENGINEER.
- MARKER POSTS: TO BE PLACED AS INDICATED OR AS DIRECTED BY THE ENGINEER.
- SLOPE ROUNDING: ALL CUT SLOPES TO BE ROUNDED IN ACCORDANCE WITH STANDARD B-5.
- ALL MATERIALS AND CONSTRUCTION PRACTICES SHALL CONFORM TO THE STATE OF VERMONT AGENCY OF TRANSPORTATION'S 2006 STANDARD SPECIFICATIONS FOR CONSTRUCTION AND IT'S LATEST REVISIONS.
- SEE TYPICAL SECTIONS SHEET 2 FOR REINFORCED SOIL SLOPE DETAIL.
- ANTI-ICING POLYMER SURFACE OVERLAY SHALL BE APPLIED IN TRAVEL LANES ONLY FROM STA. 92+52.27 - STA. 95+71.00 AND FROM STA. 97+04.00 - STA. 102+46.30.
- ANTI-ICING POLYMER SURFACE OVERLAY SHALL BE CARGILL SAFELANE HDX OVERLAY SYSTEM, PAID FOR UNDER ITEM NO. 900.670 - SPECIAL PROVISION (ANTI-ICING POLYMER SURFACE OVERLAY, CARGILL SAFELANE HDX)



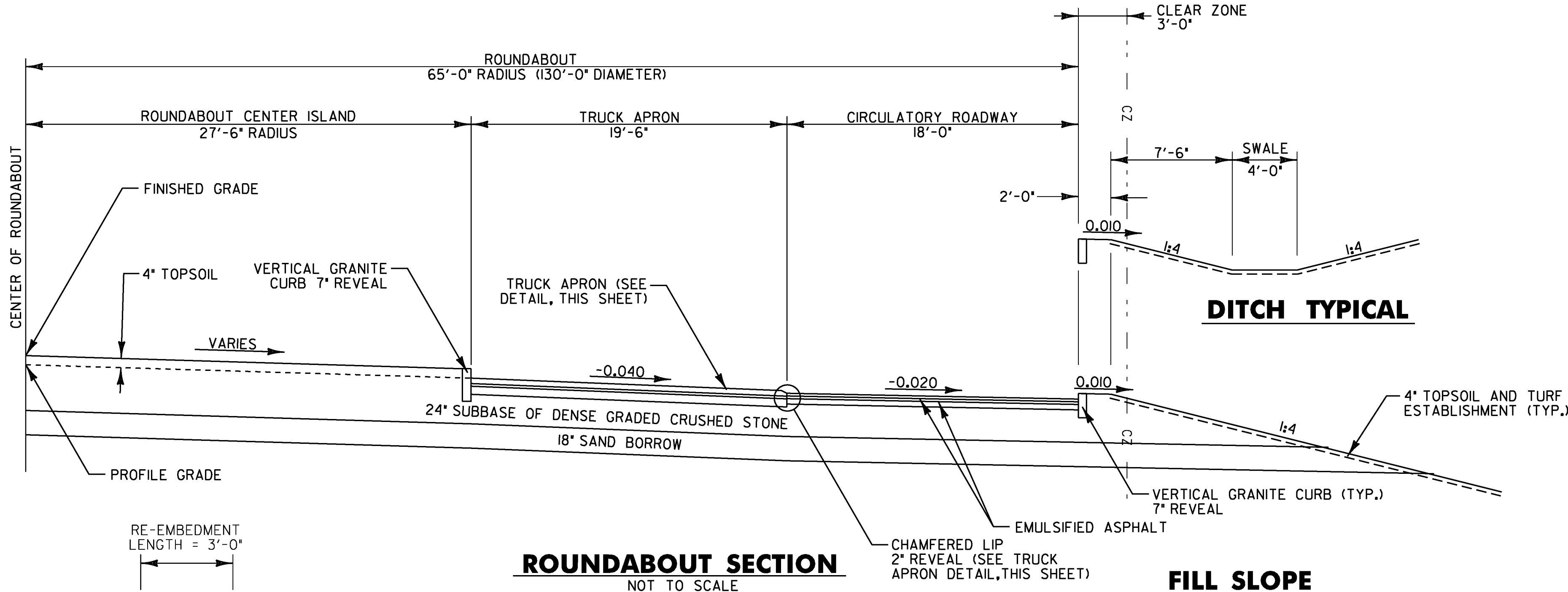
PROJECT NAME: HYDE PARK
PROJECT NUMBER: HES 030-2(23)

FILE NAME: +08bl26frm.dgn
PROJECT LEADER: JLS
DESIGNED BY: MBL
TYPICAL SECTIONS SHEET 1

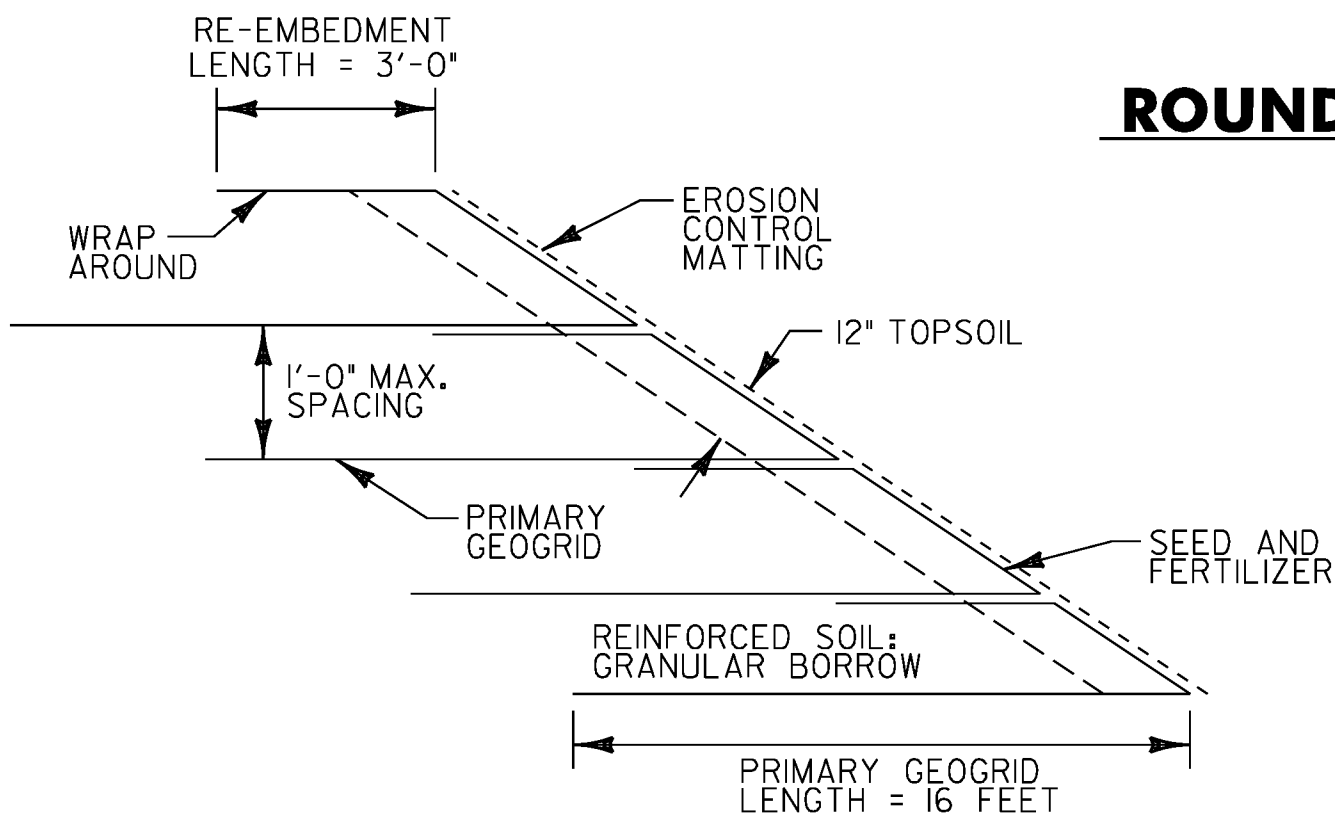
PLOT DATE: 21-DEC-2010
DRAWN BY: MBL
CHECKED BY: JAD
SHEET 3 OF 100

TYPICAL SECTIONS

1 3/4" SUPERPAVE BITUMINOUS CONCRETE PAVEMENT (TYPE IIS)
3 1/4" SUPERPAVE BITUMINOUS CONCRETE PAVEMENT (TYPE IIS)
3 1/4" SUPERPAVE BITUMINOUS CONCRETE PAVEMENT (TYPE IIS)
24" SUBBASE OF DENSE GRADED CRUSHED STONE
18" SAND BORROW

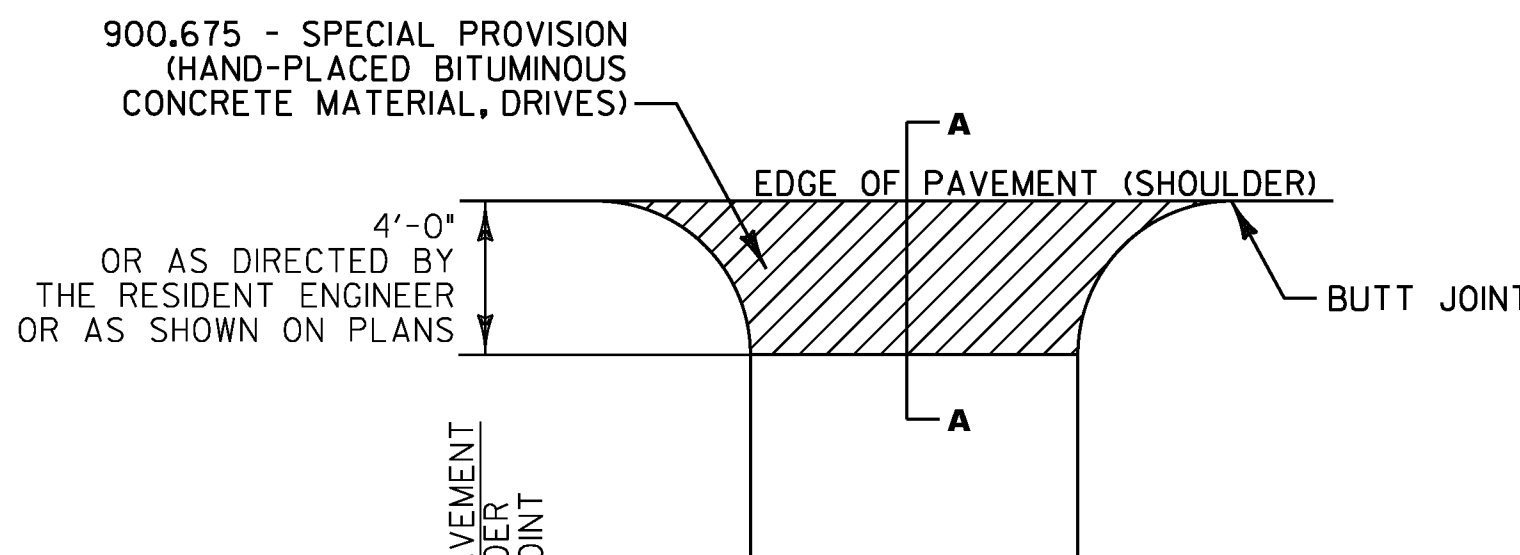


FILL SLOPE

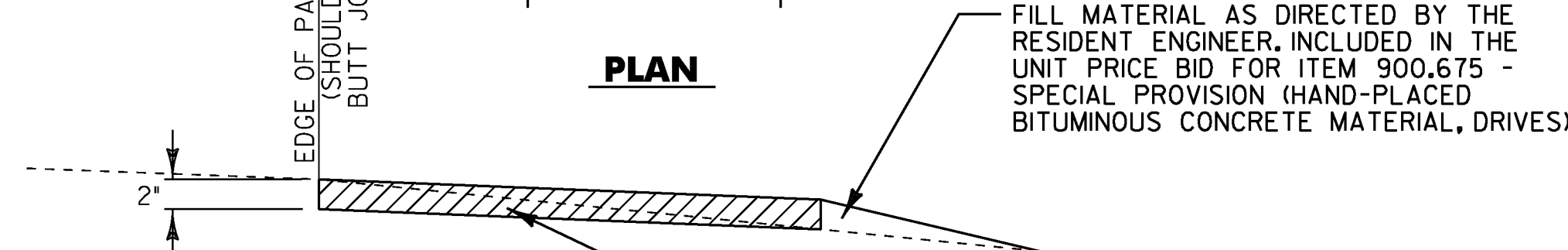


WRAPPED FACE DETAIL

NOT TO SCALE



PLAN



SECTION A-A

STATION	QUANTITY (SY)
93+82, L.T.	24.7 SY
41+18, R.T.	11.1 SY
42+13, L.T.	16.6 SY
62+10, R.T.	9.49 SY

DRIVE LOCATION SUMMARY

AREAS FOR 900.675 - SPECIAL PROVISION (HAND-PLACED BIT. CONC. MATERIAL, DRIVES)

ITEM NO. 900.675 - SPECIAL PROVISION (HAND-PLACED BITUMINOUS CONCRETE MATERIAL, DRIVES)

NOT TO SCALE

GENERAL NOTES:

- CONCRETE FOR THE APPROACH ISLANDS SHALL BE PAID FOR UNDER ITEM NO. 900.675 - SPECIAL PROVISION (PORTLAND CEMENT CONCRETE ISLAND TREATMENT, 4 INCH).
- CONCRETE FOR THE TRUCK APRON SHALL BE PAID FOR UNDER ITEM NO. 900.675 - SPECIAL PROVISION (STAMPED COLORED CONCRETE ISLAND, 8 INCH)
- GRANULAR BORROW SHALL MEET THE REQUIREMENTS OF SUBSECTION 703.04 IN THE VERMONT 2006 STANDARD SPECIFICATIONS FOR CONSTRUCTION. PAYMENT WILL BE INCLUDED IN THE UNIT PRICE BID PRICE FOR ITEM 900.675 SPECIAL PROVISION (REINFORCED SOIL SLOPE).

REINFORCED SOIL SLOPE NOTES:

- IN AREAS WHERE DRAINAGE ELEMENTS AND THE REINFORCED SOIL SLOPE MEET, A MINIMUM OF 3' OF SOIL SHALL SEPARATE THE DRAINAGE ELEMENT AND THE GEOGRID MATERIAL.
- ALLOWABLE STRENGTH (NOMINAL LONG TERM STRENGTH):
$$T_{dl} = \frac{T_{ult}}{(RF_d \times RF_d \times RF_{cr})}$$
- MINIMUM T_{ult} SHALL BE 1600 LBS/FT. THE PULLOUT RESISTANCE FACTOR SHALL BE 0.50.

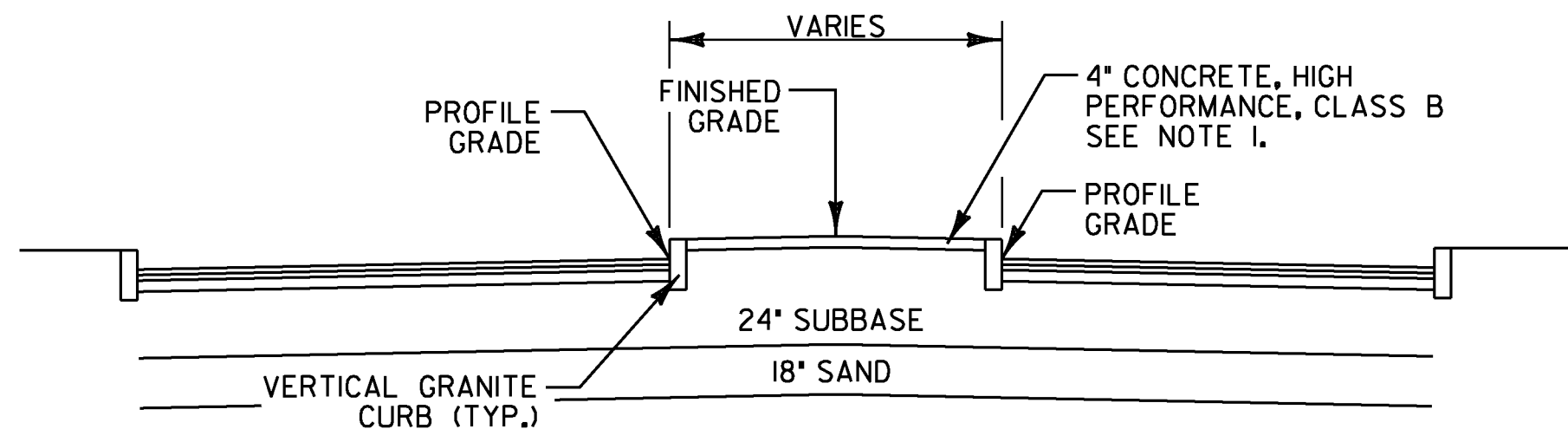
$$F = (0.8 \times \tan(\phi))$$

- AT EACH PROPOSED GUARD RAIL POST LOCATION, THE CONTRACTOR SHALL INSTALL A ONE-FOOT DIAMETER SONO-TUBE OR AN APPROVED EQUAL. THESE SONO-TUBES SHALL BE INSTALLED TO A DEPTH EQUAL TO THE MAXIMUM DEPTH OF EACH INDIVIDUAL GUARD RAIL POST, AND SHALL BE CENTERED TO EACH INDIVIDUAL GUARD RAIL POST. IN EACH CORRESPONDING LAYER OF GEOGRID, A ONE-FOOT SQUARE OPENING SHALL BE MADE TO ACCOMMODATE THE SONO-TUBE. AFTER EACH OF THE LAYERS OF GEOGRID IS INSTALLED, THE SONO-TUBES SHALL BE BACKFILLED WITH GRANULAR BACKFILL AND THE GUARD RAIL POSTS INSTALLED. ONCE GUARD RAIL HAS BEEN INSTALLED, THE SONO-TUBES MAY REMAIN IN PLACE AND SHALL BE CUT, AS NECESSARY, TO AN ELEVATION BENEATH FINISHED GRADE. THE SONO-TUBES SHALL BE PAID FOR UNDER ITEM 900.675 - SPECIAL PROVISION (REINFORCED SOIL SLOPE).

- AT NO POINT ALONG THE SLOPE SHALL THE GEOGRID BE EXPOSED TO DAYLIGHT AFTER INSTALLATION.

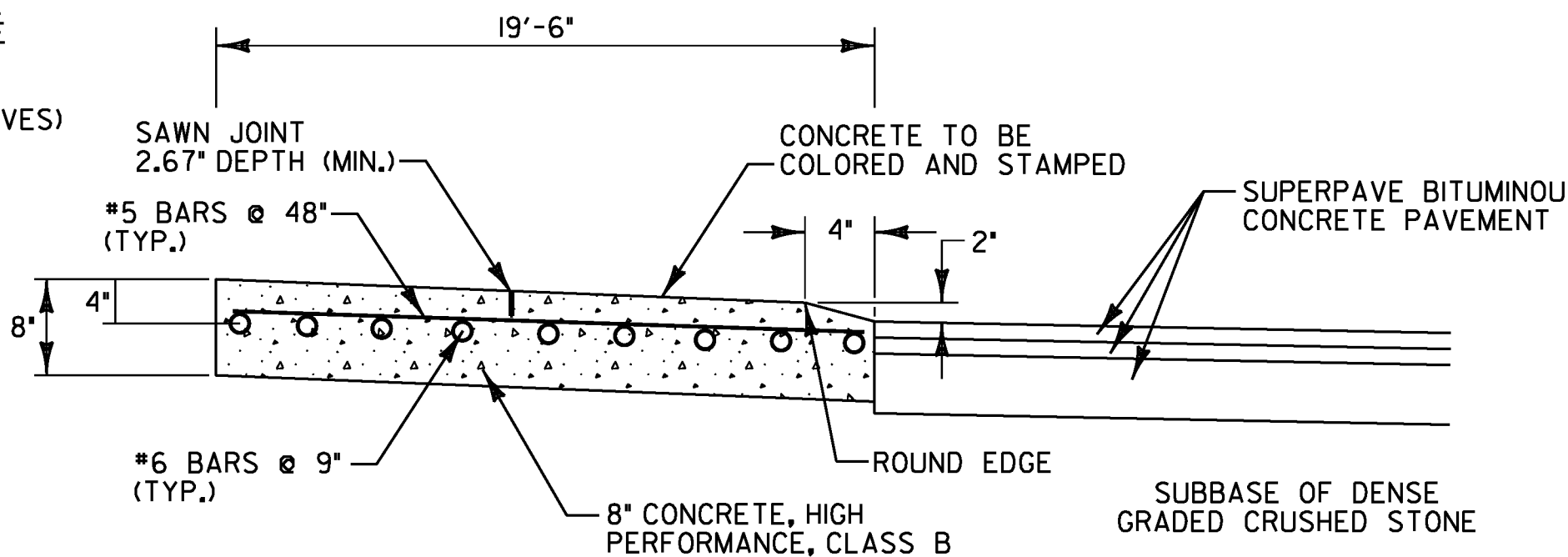
HANDWORK NOTES:

- PAVING LIFT SHALL BE A MINIMUM OF 1-1/2" AND A MAXIMUM OF 2".
- THE COST OF PROVIDING AND PLACING SUBBASE MATERIAL, CLEANING EXISTING PAVED SURFACES, INCLUDING POWER EQUIPMENT, AND FOR FILLING JOINT, CRACKS AND HOLES WILL NOT BE PAID DIRECTLY BUT WILL BE INCLUDED IN THE UNIT BID FOR ITEM 900.675 - SPECIAL PROVISION (HAND-PLACED BITUMINOUS CONCRETE MATERIAL, DRIVES).
- EXCAVATION NEEDED TO ACHIEVE PROPER DRIVE SLOPES WILL NOT BE PAID DIRECTLY BUT WILL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 900.675 - SPECIAL PROVISION (HAND-PLACED BITUMINOUS CONCRETE MATERIAL, DRIVES).



APPROACH ISLAND DETAIL

NOT TO SCALE



NOTE: ALL REINFORCING STEEL SHALL BE EPOXY COATED

SAND BORROW

TRUCK APRON DETAIL

NOT TO SCALE

PROJECT NAME: HYDE PARK
PROJECT NUMBER: HES 030-2(23)

FILE NAME: +08b126frm.dgn
PROJECT LEADER: JLS
DESIGNED BY: MBL
TYPICAL SECTIONS SHEET 2

PLOT DATE: 08-DEC-2010
DRAWN BY: MBL
CHECKED BY: JAD
SHEET 4 OF 100

SPECIAL PROVISION (REINFORCED SOIL SLOPE)

NOT TO SCALE

**STATE OF VERMONT
AGENCY OF TRANSPORTATION**

QUANTITY SHEET 1

SUMMARY OF ESTIMATED QUANTITIES													TOTALS		DESCRIPTIONS				DETAILED SUMMARY OF QUANTITIES		
									ROADWAY	TRAINING	EROSION CONTROL	FULL C.E. ITEMS	GRAND TOTAL	FINAL	UNIT	ITEMS	ITEM NUMBER	ROUND	QUANTITIES	UNIT	ITEMS
									1				1		LS	CLEARING AND GRUBBING, INCLUDING INDIVIDUAL TREES AND STUMPS	201.10	--			
									13500				13500		CY	COMMON EXCAVATION	203.15	380.8	10605.3	CY	COMMON EXCAVATION
									25				25		CY	SOLID ROCK EXCAVATION	203.16	4	1828.7	CY	VT ROUTE 15
									10				10		CY	UNCLASSIFIED EXCAVATION	203.17	EST.	685.2	CY	VT ROUTE 100
									10				10		CY	EXCAVATION OF SURFACES AND PAVEMENTS	203.28	EST.	380.8	CY	T.H. 5 CHURCH STREET
									3335				3335		CY	SAND BORROW	203.31	86.5			ROUNDING
									10				10		CY	GRANULAR BORROW	203.32	EST.	13500	CY	TOTAL - COMMON EXCAVATION
									2780				2780		CY	TRENCH EXCAVATION OF EARTH	204.20	19.1			
									10				10		CY	TRENCH EXCAVATION OF ROCK	204.21	EST.			
									1				1		CY	TRENCH EXCAVATION OF EARTH, EXPLORATORY (N.A.B.I.)	204.22	EST.			
									430				430		CY	GRANULAR BACKFILL FOR STRUCTURES	204.30	8			
									310				310		SY	COLD PLANING, BITUMINOUS PAVEMENT	210.10		2314.6	CY	VT ROUTE 15
									5055				5055		CY	SUBBASE OF DENSE GRADED CRUSHED STONE	301.35	131.2	573.6	CY	VT ROUTE 100
									80				80		CY	AGGREGATE SURFACE COURSE	401.10	3.7	324.6	CY	T.H. 5 CHURCH STREET
									28				28		CWT	EMULSIFIED ASPHALT	404.65	1	35.7	CY	CIRCLE
									1				1		LU	PRICE ADJUSTMENT, ASPHALT CEMENT (N.A.B.I.)	406.50		86.5	CY	ROUNDING
									2930				2930		TON	SUPERPAVE BITUMINOUS CONCRETE PAVEMENT	490.30	28.8			
									1				1		LU	AIR VOIDS PAY ADJUSTMENT (N.A.B.I.)	490.31		3335	CY	TOTAL - SOLID ROCK EXCAVATION
									1				1		LU	MAT DENSITY PAY ADJUSTMENT (N.A.B.I.)	490.32				
									13				13		CY	CONCRETE, HIGH PERFORMANCE CLASS B	501.34	1			
									1520				1520		LB	REINFORCING STEEL	507.15	14			
									7800				7800		LB	EPOXY COATED REINFORCING STEEL	507.17	87			
																BEGIN OPTION AA			3564.5	CY	VT ROUTE 15
									149				149		LF	15" RCP CLASS III	601.0810	--	853.1	CY	VT ROUTE 100
									149				149		LF	15" CPEP(SL)	601.2610	--	458.6	CY	T.H. 5 CHURCH STREET
																END OPTION AA			47.6	CY	CIRCLE
																BEGIN OPTION BB			131.2	CY	ROUNDING
									387				387		LF	18" RCP CLASS III	601.0815	--	5055	CY	TOTAL - SUBBASE OF DENSE GRADED CRUSHED STONE
									387				387		LF	18" CPEP(SL)	601.2615	--			
																END OPTION BB					
																BEGIN OPTION CC					
									118				118		LF	24" RCP CLASS III	601.0825	--			
									118				118		LF	24" CPEP(SL)	601.2620	--			
																END OPTION CC			30	TON	STAGE I OVERLAY
																BEGIN OPTION DD			85.2	TON	STAGE II OVERLAY
																			2786	TON	FULL DEPTH PAVEMENT
									70				70		LF	30" RCP CLASS III	601.0835	--	28.8	TON	ROUNDING
									70				70		LF	30" CPEP(SL)	601.2625	--	2930	TON	TOTAL - SUPERPAVE BITUMINOUS CONCRETE PAVEMENT
																END OPTION DD					

PROJECT NAME:	HYDE PARK
PROJECT NUMBER:	HES 030-2(23)

FILE NAME: t08b126frm.dgn	PLOT DATE: 03-JAN-2011
PROJECT LEADER: JLS	DRAWN BY: MBL
DESIGNED BY: MBL	CHECKED BY: JAD
QUANTITY SUMMARY SHEET 1	SHEET 5 OF 100

QUANTITY SHEET 2

SUMMARY OF ESTIMATED QUANTITIES												TOTALS		DESCRIPTIONS				DETAILED SUMMARY OF QUANTITIES		
								ROADWAY	TRAINING	EROSION CONTROL	FULL C.E. ITEMS	GRAND TOTAL	FINAL	UNIT	ITEMS	ITEM NUMBER	ROUND	QUANTITIES	UNIT	ITEMS
															BEGIN OPTION EE					
								53				53		LF	36" RCP CLASS III	601.0845	--			
								53				53		LF	36" CPEP(SL)	601.2630	--			
															END OPTION EE					
															BEGIN OPTION FF					
								133				133		LF	42" RCP CLASS III	601.0850	--			
								133				133		LF	42" CPEP(SL)	601.2635	--			
															END OPTION FF					
								34				34		LF	18" CPEP(SL)	601.2615	--			
								77				77		LF	24" CPEP(SL)	601.2620	--			
								47				47		LF	36" CPEP(SL)	601.2630	--			
								17				17		EACH	PRECAST REINFORCED CONCRETE CATCH BASIN WITH CAST IRON GRATE	604.20	--			
								1				1		EACH	PRECAST REINFORCED CONCRETE MANHOLE WITH CAST IRON COVER	604.21	--			
								2				2		EACH	PRECAST REINFORCED CONCRETE PIPE DI WITH CAST IRON GRATE	604.25	--			
								1				1		EACH	CAST IRON GRATE WITH FRAME, TYPE A	604.45	--			
								1520				1520		LF	6 INCH UNDERDRAIN PIPE	605.10	23			
								80				80		LF	6 INCH UNDERDRAIN CARRIER PIPE	605.20	12			
								14				14		EACH	UNDERDRAIN FLUSHING BASIN	605.95	--			
								160				160		HR	ROADWAY PATROL MAINTENANCE	607.10	--			
								331				331		MGAL	DUST CONTROL WITH WATER	609.10	3			
								10				10		CY	STONE FILL, TYPE I	613.10	EST.			
								50				50		CY	STONE FILL, TYPE II	613.11	1			
								1270				1270		LF	VERTICAL GRANITE CURB	616.21	15			
								1				1		EACH	RELOCATE MAILBOX, SINGLE SUPPORT	617.10	--			
								24				24		EACH	STEEL MARKER POSTS	619.16	--			
								550				550		LF	STEEL BEAM GUARDRAIL, GALVANIZED W/8 FEET POSTS	621.205	12.5			
								1				1		EACH	MANUFACTURED TERMINAL SECTION, FLARED	621.50	--			
								1				1		EACH	ANCHOR FOR STEEL BEAM RAIL	621.60	--			
								464				464		LF	REMOVAL AND DISPOSAL OF GUARDRAIL	621.80	--			
								505				505		LF	TEMPORARY TRAFFIC BARRIER	621.90	--			
								255				255		LF	REMOVE AND RESET TEMPORARY TRAFFIC BARRIER	621.95	--			
								600				600		HR	UNIFORMED TRAFFIC OFFICERS	630.10	EST.			
								1600				1600		HR	FLAGGERS	630.15	EST.			
											1	1		LS	FIELD OFFICE, ENGINEERS	631.10	--			
											1	1		LS	TESTING EQUIPMENT, CONCRETE	631.16	--			
											1	1		LS	TESTING EQUIPMENT, BITUMINOUS	631.17	--			
											3000	3000		DL	FIELD OFFICE TELEPHONE (N.A.B.I.)	631.26	--			
									520			520		HR	EMPLOYEE TRAINEESHIP	634.10	--			
								1				1		LS	MOBILIZATION/DEMOBILIZATION	635.11	--			
								1				1		LS	TRAFFIC CONTROL	641.10	--			

QUANTITY SHEET 3

SUMMARY OF ESTIMATED QUANTITIES												TOTALS		DESCRIPTIONS				DETAILED SUMMARY OF QUANTITIES		
								ROADWAY	TRAINING	EROSION CONTROL	FULL C.E. ITEMS	GRAND TOTAL	FINAL	UNIT	ITEMS	ITEM NUMBER	ROUND	QUANTITIES	UNIT	ITEMS
								4				4		EACH	PORTABLE CHANGEABLE MESSAGE SIGN	641.15	--			
								3200				3200		LF	DURABLE 4 INCH WHITE LINE, RECESSED POLYUREA	646.406	102			
								3760				3760		LF	DURABLE 4 INCH YELLOW LINE, RECESSED POLYUREA	646.416	179			
								412				412		LF	DURABLE 8 INCH YELLOW LINE, RECESSED POLYUREA	646.456	10			
								124				124		LF	DURABLE 12 INCH WHITE LINE, TYPE I TAPE	646.461	--			
								28				28		EACH	DURABLE LETTER OR SYMBOL, TYPE I TAPE	646.491	--			
								3650				3650		LF	TEMPORARY 4 INCH WHITE LINE	646.600	42			
								1775				1775		LF	TEMPORARY 4 INCH YELLOW LINE	646.610	17			
								226				226		LF	TEMPORARY 24 INCH STOP BAR	646.680	--			
								50				50		EACH	LINE STRIPING TARGETS	646.76	--			
								6200				6200		SF	REMOVAL OF EXISTING PAVEMENT MARKINGS	646.85	134			
								140				140		SY	GEOTEXTILE UNDER STONE FILL	649.31	6			
										240		240		SY	GEOTEXTILE FOR SILT FENCE	649.51	7			
								100				100		LB	SEED	651.15	7			
								800				800		LB	FERTILIZER	651.18	28			
								3.5				3.5		TON	AGRICULTURAL LIMESTONE	651.20	0.4			
								3.5				3.5		TON	HAY MULCH	651.25	0.4			
								730				730		CY	TOPSOIL	651.35	8			
										1		1		LS	EPSC PLAN	652.10	--			
										80		80		HR	MONITORING EPSC PLAN	652.20	--			
										1		1		LU	MAINTENANCE OF EPSC PLAN (N.A.B.I.)	652.30	--			
										1900		1900		SY	TEMPORARY EROSION MATTING	653.20	43			
										800		800		SY	PERMANENT EROSION MATTING	653.21	11			
										26		26		EACH	PREFABRICATED CHECK DAM	653.30	--			
										15		15		CY	VEHICLE TRACKING PAD	653.35	EST.			
										8		8		EACH	INLET PROTECTION DEVICE, TYPE I	653.40	--			
										700		700		LF	BARRIER FENCE	653.50	6			
										1800		1800		LF	PROJECT DEMARCATION FENCE	653.55	156			
								433.39				433.39		SF	TRAFFIC SIGNS, TYPE A	675.20	--			
								321.13				321.13		SF	TRAFFIC SIGNS, TYPE B	675.21	--			
								757				757		LB	W-SHAPE STEEL SIGN POST	675.31	--			
								885				885		LF	SQUARE TUBE SIGN POST AND ANCHOR	675.341	--			
								6				6		EACH	FOUNDATION FOR W-SHAPE STEEL POST, 24 INCH DIAMETER	675.41	--			
								66				66		EACH	REMOVING SIGNS	675.50	--			
								4				4		EACH	ERECTING SALVAGED SIGNS	675.60	--			
								2				2		EACH	SETTING SALVAGED POSTS	675.61	--			
								850				850		LF	WIRED CONDUIT (2" PVC)	678.23	41			
								5				5		EACH	PULL BOX, STANDARD	678.25	--			
								1				1		EACH	PULL BOX, DOUBLE	678.27	--			
								230				230		LF	ELECTRICAL CONDUIT SLEEVE (8" PVC)	678.30	3			

STATE OF VERMONT
AGENCY OF TRANSPORTATION

QUANTITY SHEET 4

[illegible]

PROJECT NAME:	HYDE PARK
PROJECT NUMBER:	HES 030-2(23)

FILE NAME: t08b126frm.dgn	PLOT DATE: 03-JAN-2011
PROJECT LEADER: JLS	DRAWN BY: MBL
DESIGNED BY: MBL	CHECKED BY: JAD
QUANTITY SUMMARY SHEET 4	SHEET 8 OF 100

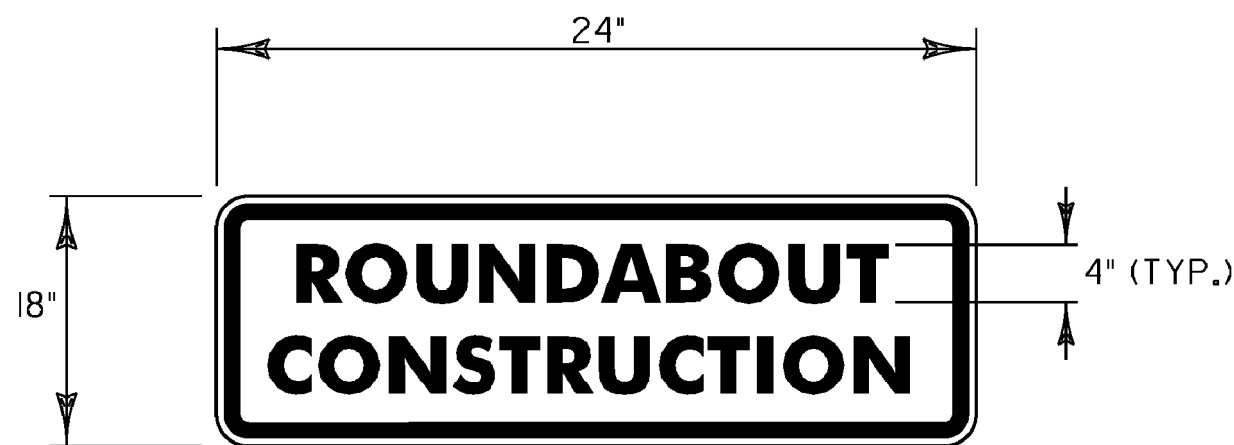
ITEM DETAIL SHEET

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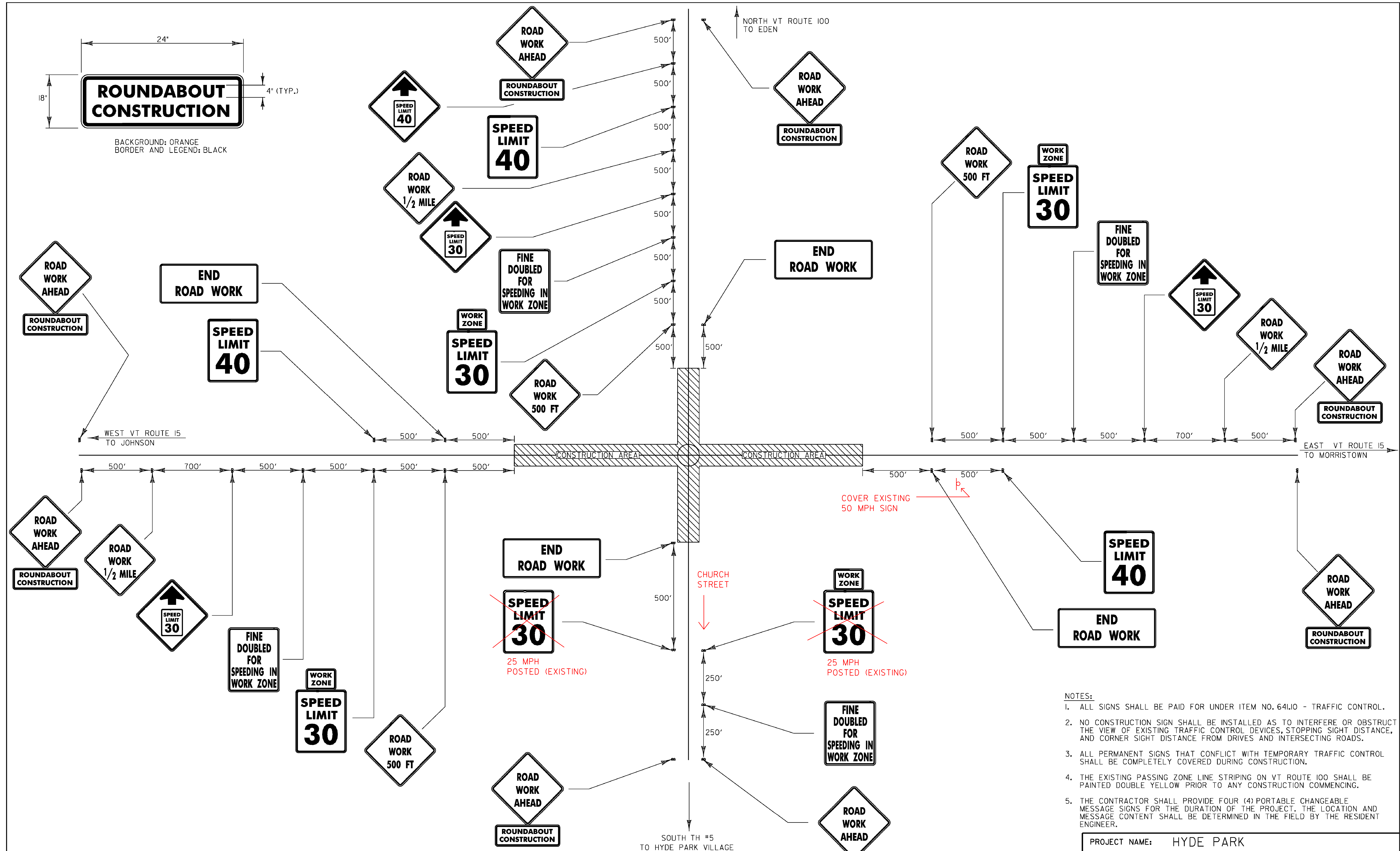
PROJECT NAME: HYDE PARK	
PROJECT NUMBER: HES 030-2(23)	
FILE NAME: t08b126frm.dgn	PLOT DATE: 08-DEC-2010
PROJECT LEADER: JLS	DRAWN BY: MBL
DESIGNED BY: MBL	CHECKED BY: JAD
ITEM DETAIL SHEET	SHEET 9 OF 100

DRAINAGE DETAIL SHEET

PROJECT NAME: HYDE PARK	
PROJECT NUMBER: HES 030-2(23)	
FILE NAME: +08b126frm.dgn	PLOT DATE: 08-DEC-2010
PROJECT LEADER: JLS	DRAWN BY: MBL
DESIGNED BY: MBL	CHECKED BY: JAD
DRAINAGE SUMMARY SHEET	SHEET 10 OF 100



BACKGROUND: ORANGE
BORDER AND LEGEND: BLACK



- NOTES:
1. ALL SIGNS SHALL BE PAID FOR UNDER ITEM NO. 641.10 - TRAFFIC CONTROL.
 2. NO CONSTRUCTION SIGN SHALL BE INSTALLED AS TO INTERFERE OR OBSTRUCT THE VIEW OF EXISTING TRAFFIC CONTROL DEVICES, STOPPING SIGHT DISTANCE, AND CORNER SIGHT DISTANCE FROM DRIVES AND INTERSECTING ROADS.
 3. ALL PERMANENT SIGNS THAT CONFLICT WITH TEMPORARY TRAFFIC CONTROL SHALL BE COMPLETELY COVERED DURING CONSTRUCTION.
 4. THE EXISTING PASSING ZONE LINE STRIPING ON VT ROUTE 100 SHALL BE PAINTED DOUBLE YELLOW PRIOR TO ANY CONSTRUCTION COMMENCING.
 5. THE CONTRACTOR SHALL PROVIDE FOUR (4) PORTABLE CHANGEABLE MESSAGE SIGNS FOR THE DURATION OF THE PROJECT. THE LOCATION AND MESSAGE CONTENT SHALL BE DETERMINED IN THE FIELD BY THE RESIDENT ENGINEER.

PROJECT NAME: HYDE PARK	
PROJECT NUMBER: HES 030-2(23)	
FILE NAME: t08b126frm.dgn	PLOT DATE: 08-DEC-2010
PROJECT LEADER: JLS	DRAWN BY: MBL
DESIGNED BY: MBL	CHECKED BY: JAD
CONSTRUCTION APPROACH SIGNING SHEET	SHEET 12 OF 100

CONSTRUCTION APPROACH SIGNING

NOT TO SCALE
SEE STD E-100 FOR SIGN PLACEMENT

GPS CONTROL POINTS

HVCTRL #1

CHAUVIN
NORTH = 761053.757
EAST = 1613842.175
ELEV. = 619.725

GENERAL LOCATION, HYDE PARK, VT. OWNERSHIP, RAYMOND CHAUVIN, HYDE PARK, VT.
BUSINESS ADDRESS, CCS, 138 MUNSON DRIVE, MORRISTOWN, VT.

TO REACH FROM THE INTERSECTION OF VT ROUTE 15, CHURCH STREET, AND VT ROUTE 100, GO SOUTHEAST ALONG VT ROUTE 15 FOR 0.8 MILES (1.3 KM) TO THE INTERSECTION OF NORTH MAIN STREET RIGHT. CONTINUE STRAIGHT AHEAD AND GO SOUTHEAST ALONG VT ROUTE 15 TO THE INTERSECTION OF A GRAVEL DRIVE LEFT LEADING TO HOUSE NO. 951. TURN LEFT AND GO NORTHEAST ALONG THE DRIVE FOR ABOUT 10 M (32.8 FEET) AND THEN NORTHWEST ALONG A DIM DRIVE ON THE EDGE OF THE LAWN FOR ABOUT 30 M (98.4 FEET) TO A NORTHEASTERLY BEND IN THE DRIVE. BEAR RIGHT AND GO NORTHEAST ALONG THE DRIVE FOR ABOUT 75 M (246.1 FEET), PASSING BETWEEN A LARGE SLURRYSTORE SYSTEM AND THE NORTH END OF A LARGE MILKING BARN, TO THE NORTHWEST CORNER OF A CONCRETE PARKING AREA WITH CURBING AND THE SITE OF THE MARK STRAIGHT AHEAD IN THE EMBANKMENT ON THE EAST SIDE OF THE PARKING AREA. THE MARK IS SET 10 CM (4 INCHES) BELOW GROUND SURFACE IN THE TOP OF A MASSIVE ROCK OUTCROP WHICH IS COVERED WITH TOPSOIL. IT IS 9.9 M (32.5 FEET) NORTHWEST OF THE SOUTHWEST CORNER OF A WOODEN EQUIPMENT SHED, 11.0 M (36.1 FEET) WEST SOUTHWEST OF THE NORTHWEST CORNER OF THE SHED, 30.9 M (101.4 FEET) EAST SOUTHEAST OF THE NORTHEAST CORNER OF THE MILKING BARN, 20.0 M (65.6 FEET) NORTHEAST OF POLE NO 6A WITH TRANSFORMER, 20.6 M (67.6 FEET) SOUTH SOUTHEAST OF AN ANGLE POINT IN THE CONCRETE CURBING, AND 11.7 M (38.4 FEET) NORTHEAST OF THE SOUTH END OF THE CURB AND A FIBERGLASS WITNESS POST.

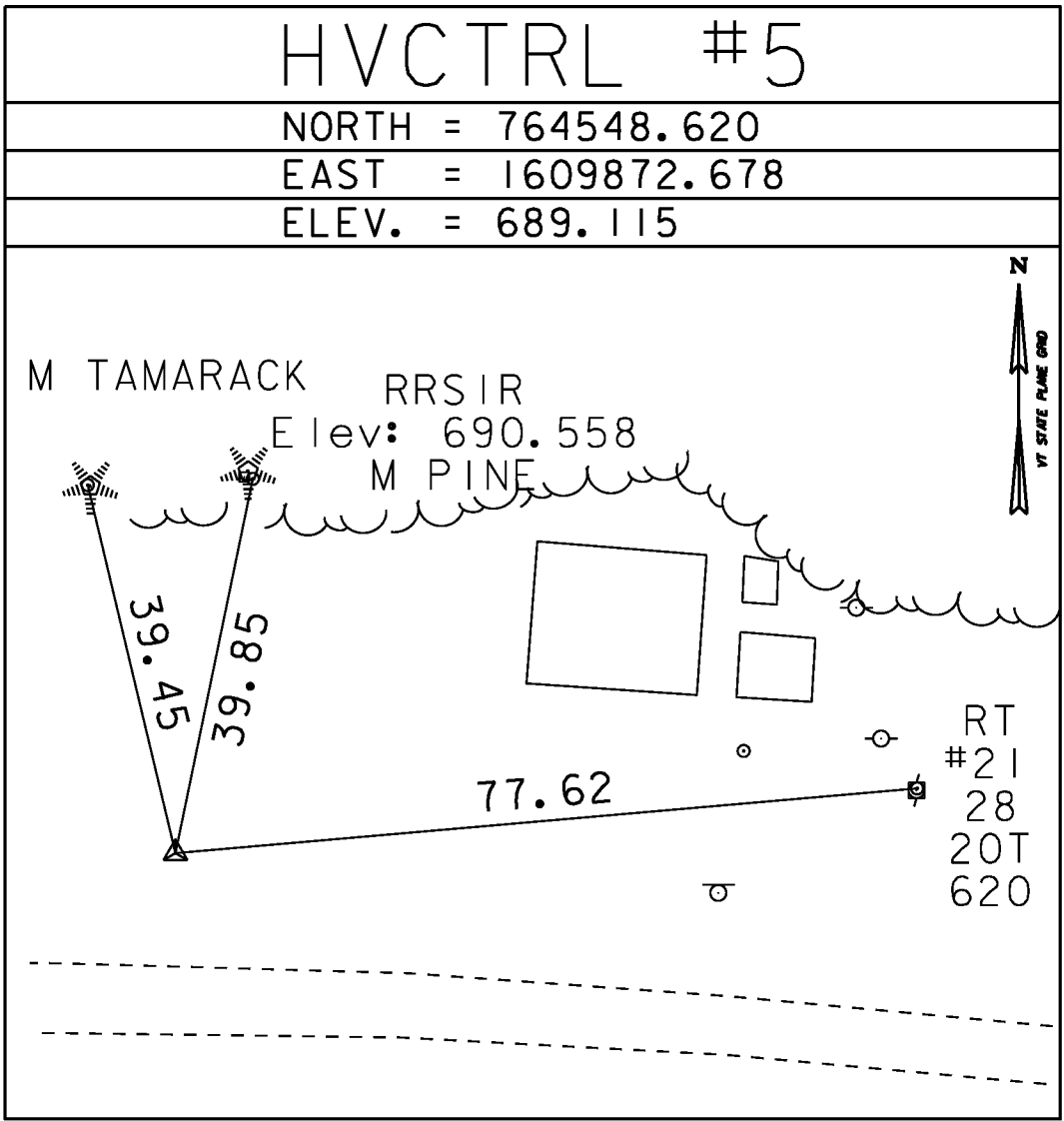
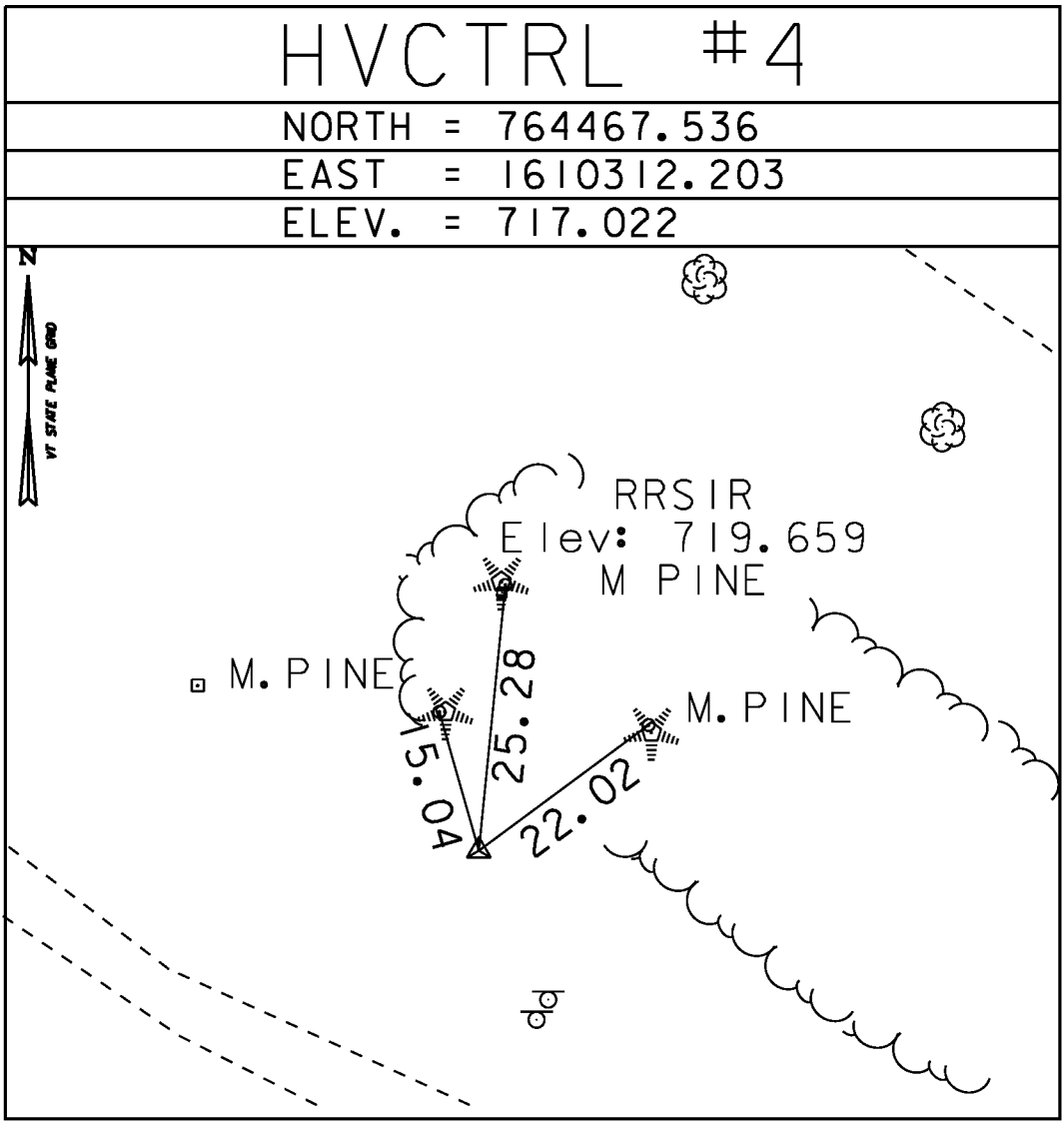
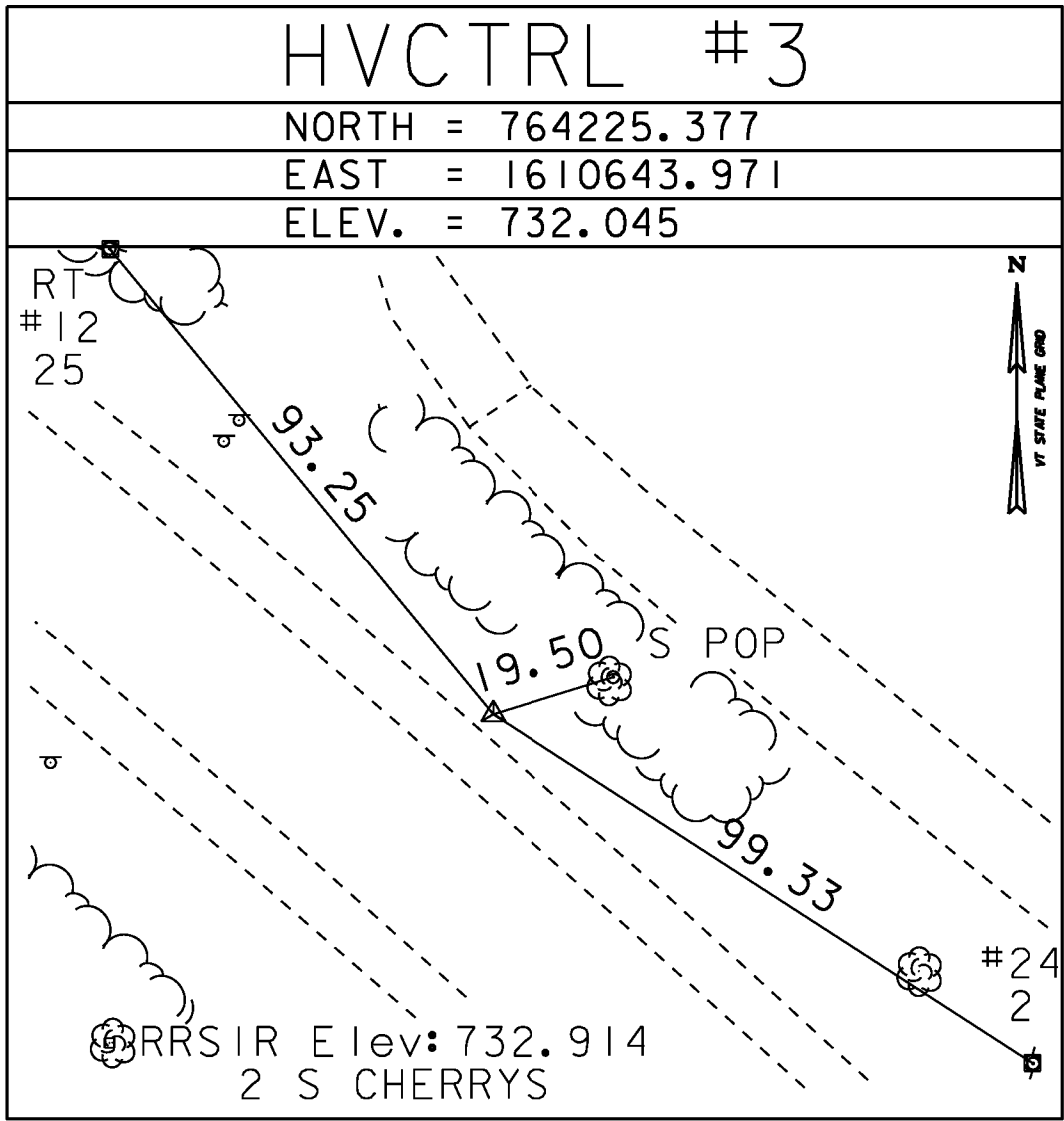
HVCTRL #2

FITCH
NORTH = 763869.948
EAST = 1611039.521
ELEV. = 731.914

GENERAL LOCATION, HYDE PARK, VT.

TO REACH FROM THE INTERSECTION OF VT ROUTE 15, CHURCH STREET, AND VT ROUTE 100, GO SOUTHEAST ALONG VT ROUTE 15 FOR 0.2 MILES (0.3 KM) TO THE INTERSECTION OF EDEN STREET RIGHT AND FITCH HILL ROAD LEFT AND THE SITE OF THE MARK ON THE LEFT. THE MARK IS SET IN THE TOP OF A MASSIVE ROCK OUTCROP IN THE EAST QUADRANT OF THE INTERSECTION. IT IS 14.3 M (46.9 FEET) NORTHEAST OF AND ABOUT 1.3 M (4.3 FEET) HIGHER THAN THE CENTERLINE OF VT ROUTE 15, 23.6 M (77.4 FEET) SOUTHEAST OF THE CENTERLINE OF FITCH HILL ROAD, 17.0 M (55.8 FEET) WEST SOUTHWEST OF THE WEST CORNER OF A ONE STORY RANCH HOUSE, AND 14.2 M (46.6 FEET) SOUTH SOUTHEAST OF POLE NO. 21/1/RT/21/22/21/9+1/2/21-2 AND A FIBERGLASS WITNESS POST.

TRAVERSE TIES



* Main Traverse Completed 1/8/08 by R.Gilman P.C. & P.Winters

ALIGNMENT TIES

SEE SHEET 14

DATUM

VERTICAL: NAVD 88
HORIZONTAL: NAD 83 (CONUS)
ADJUSTMENT: COMPASS

PROJECT NAME: HYDE PARK
PROJECT NUMBER: HES 030-2(23)

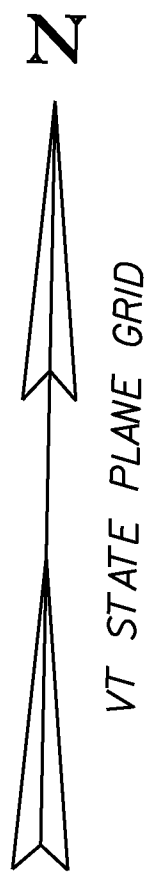
FILE NAME: t08b126frm.dgn
PROJECT LEADER: JLS
DESIGNED BY: MBL
TIE SHEET

PLOT DATE: 08-DEC-2010
DRAWN BY: MBL
CHECKED BY: JAD
SHEET 13 OF 100

PLOT DATE: 08-DEC-2010
DRAWN BY: MBL
CHECKED BY: JAD
SHEET 14 OF 100

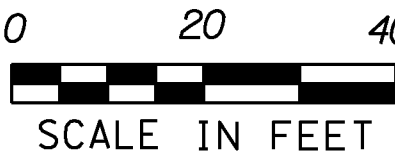
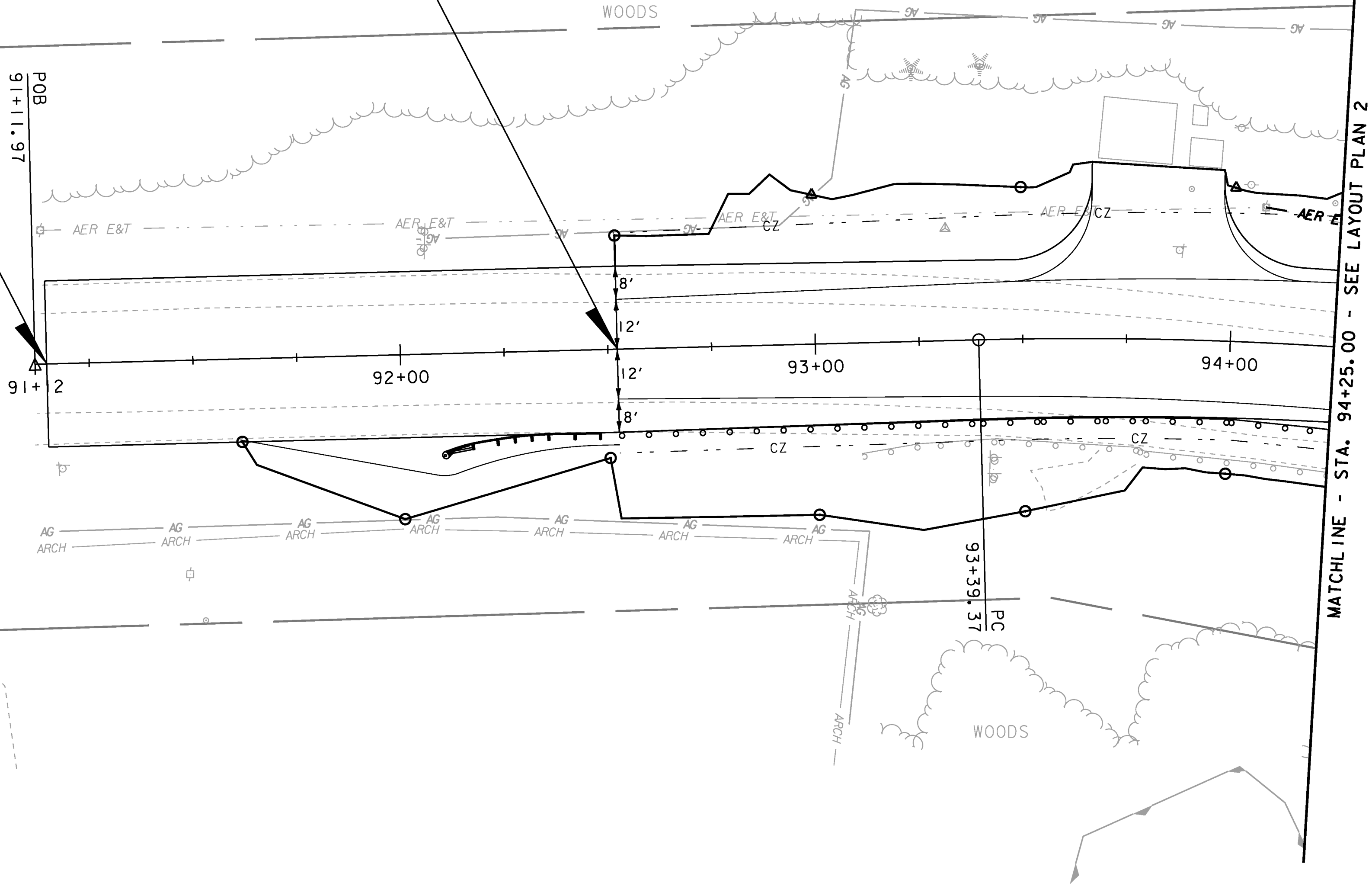
STEEL BEAM GUARDRAIL, GALVANIZED WITH 8 FEET POSTS
STA. 92+47, RT. - STA. 94+25, RT.
REMOVAL AND DISPOSAL OF GUARDRAIL
STA. 93+10, RT. - STA. 94+25, RT.
MANUFACTURED TERMINAL SECTION, FLARED
STA. 92+09.5, RT. - STA. 92+47, RT.

CONSTRUCT DRIVE
STA. 93+82, LT. (GRAVEL) (32')
SPECIAL PROVISION
(HAND-PLACED BIT. CONC.
MATERIALS, DRIVE)
STA. 93+82, LT.



**VT ROUTE 15 STA. 92+52.27
BEGIN PROJECT
HES 030-2(23)
END APPROACH**

**VT ROUTE 15
STA. 91+14.77
BEGIN APPROACH**



PROJECT NAME:	HYDE PARK	FILE NAME:	t08b126bdr.dgn	PLOT DATE:	08-DEC-2010
PROJECT NUMBER:	HES 030-2(23)	PROJECT LEADER:	JLS	DRAWN BY:	MBL
		DESIGNED BY:	MBL	CHECKED BY:	JAD
		LAYOUT PLAN 1		SHEET 15	OF 100

STEEL BEAM GUARDRAIL, GALVANIZED WITH 8 FEET POSTS
STA. 94+25, RT. - STA. 61+75, LT.

SPECIAL PROVISION
(REINFORCED SOIL SLOPE)
STA. 95+30, RT. - STA. 61+86, LT.

REMOVAL AND DISPOSAL OF GUARDRAIL
STA. 94+25, RT. - STA. 61+75, LT.

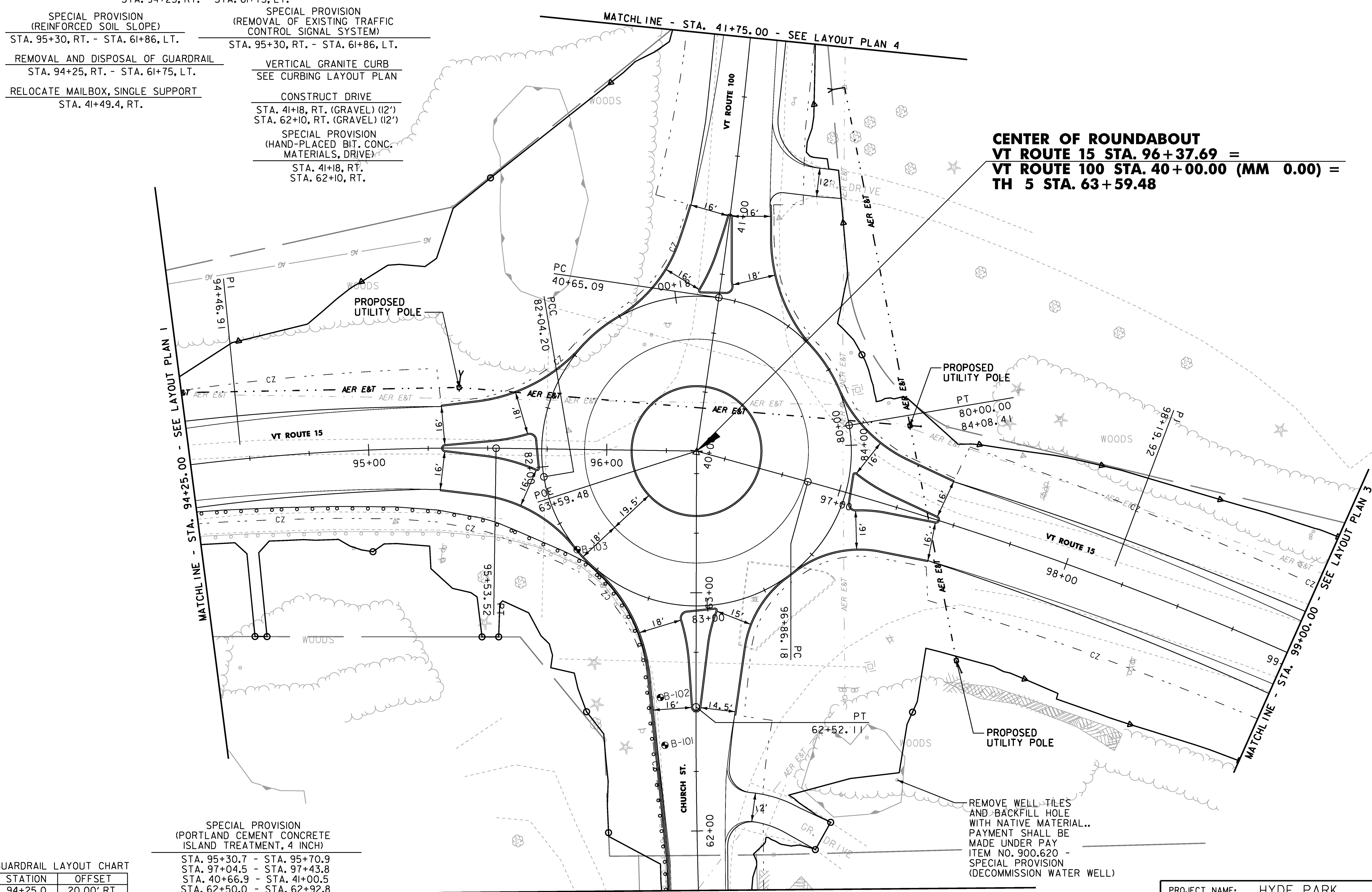
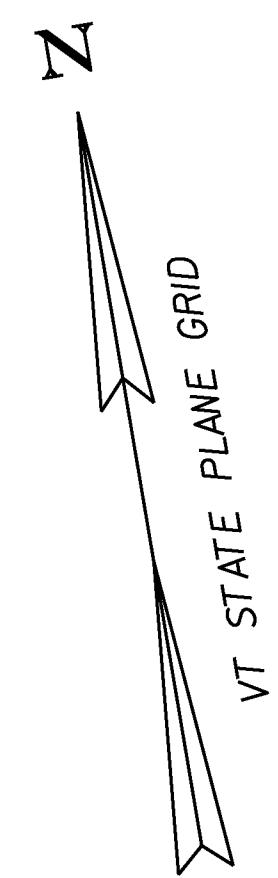
RELOCATE MAILBOX, SINGLE SUPPORT
STA. 41+49.4, RT.

SPECIAL PROVISION
(REMOVAL OF EXISTING TRAFFIC CONTROL SIGNAL SYSTEM)
STA. 95+30, RT. - STA. 61+86, LT.

VERTICAL GRANITE CURB
SEE CURBING LAYOUT PLAN

CONSTRUCT DRIVE
STA. 41+18, RT. (GRAVEL) (12')
STA. 62+10, RT. (GRAVEL) (12')

SPECIAL PROVISION
(HAND-PLACED BIT. CONC. MATERIALS, DRIVE)
STA. 41+18, RT.
STA. 62+10, RT.



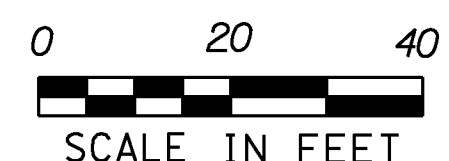
CENTER OF ROUNDABOUT
VT ROUTE 15 STA. 96+37.69 =
VT ROUTE 100 STA. 40+00.00 (MM 0.00) =
TH 5 STA. 63+59.48

GUARDRAIL LAYOUT CHART

STATION	OFFSET
94+25.0	20.00' RT.
94+50.0	21.28' RT.
94+75.0	22.54' RT.
95+00.0	23.81' RT.
95+25.0	25.65' RT.
95+50.0	30.00' RT.
95+75.0	39.65' RT.

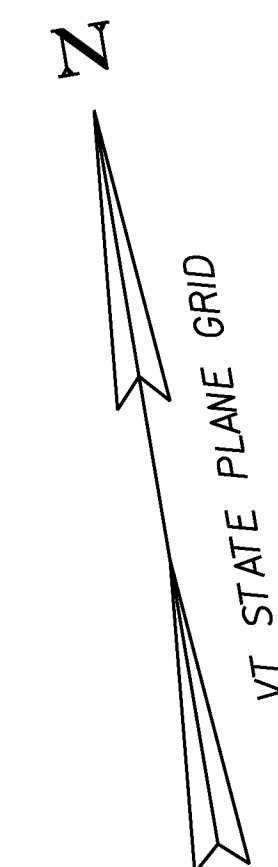
SPECIAL PROVISION
(PORTLAND CEMENT CONCRETE ISLAND TREATMENT, 4 INCH)
STA. 95+30.7 - STA. 95+70.9
STA. 97+04.5 - STA. 97+43.8
STA. 40+66.9 - STA. 41+00.5
STA. 62+50.0 - STA. 62+92.8

SPECIAL PROVISION
(STAMPED COLORED CONCRETE APRON, 8 INCH)
STA. 95+90.7 - STA. 40+47.0
STA. 40+47.0 - STA. 96+84.7
STA. 96+84.7 - STA. 63+12.5
STA. 63+12.5 - STA. 95+90.7



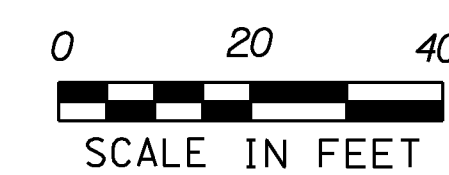
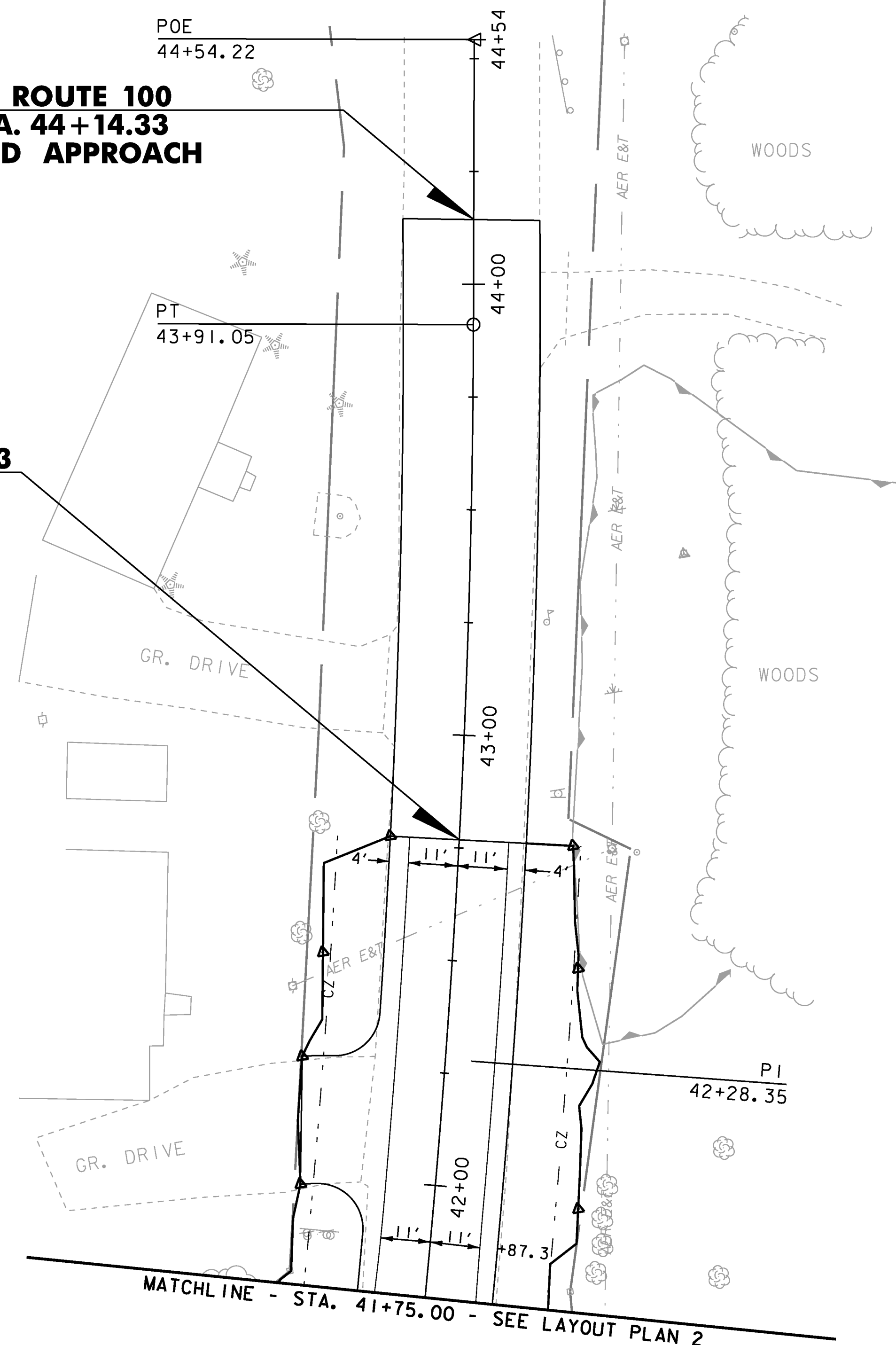
PROJECT NAME: HYDE PARK	PLOT DATE: 08-DEC-2010
PROJECT NUMBER: HES 030-2(23)	DRAWN BY: MBL
FILE NAME: +08bl26bdr.dgn	CHECKED BY: JAD
PROJECT LEADER: JLS	SHEET 16 OF 100
DESIGNED BY: MBL	
LAYOUT PLAN 2	

CONSTRUCT DRIVE
STA. 42+13, LT. (GRAVEL) (28')
SPECIAL PROVISION
(HAND-PLACED BIT. CONC.
MATERIALS, DRIVE)
STA. 42+13, LT.

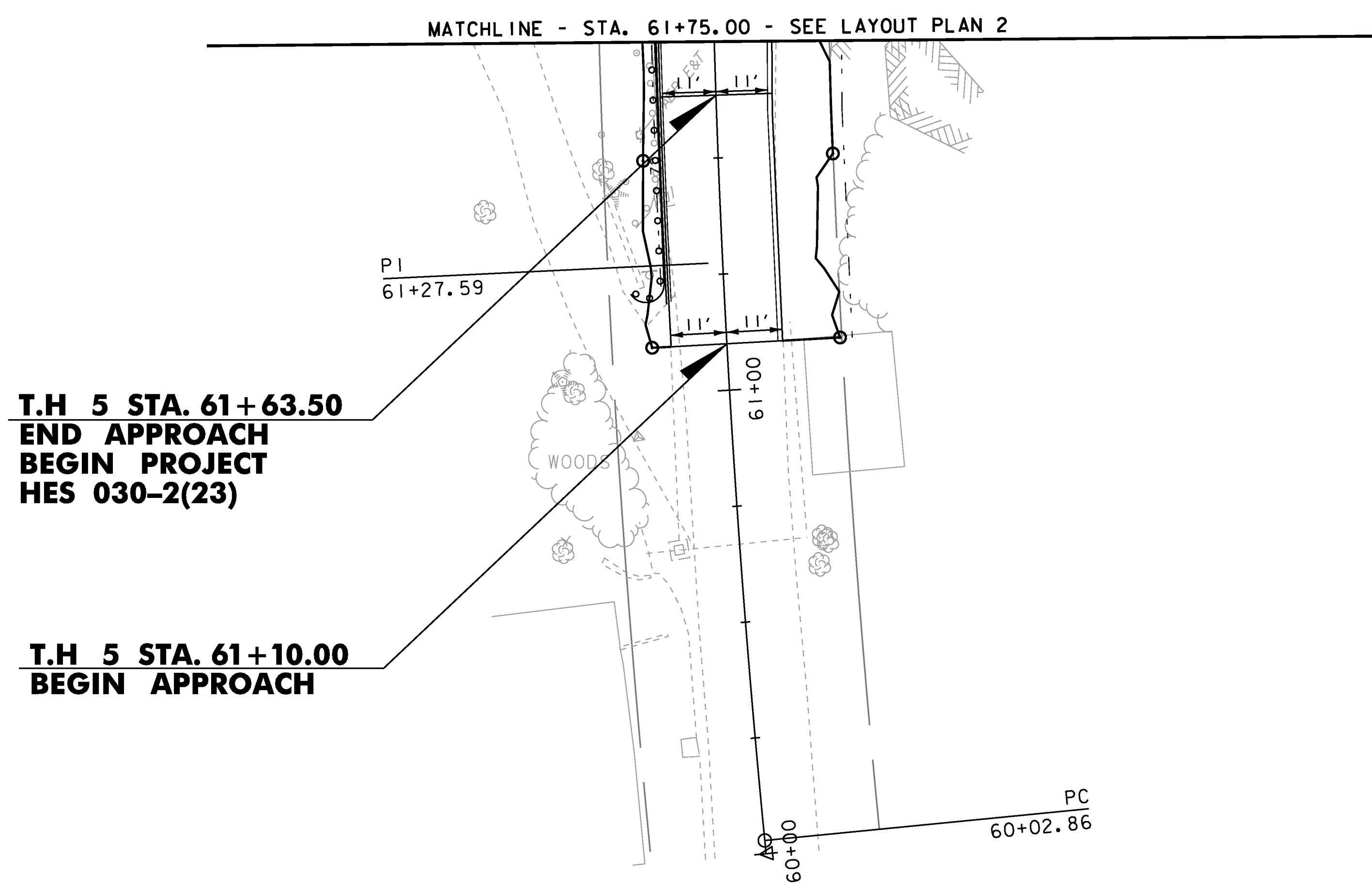
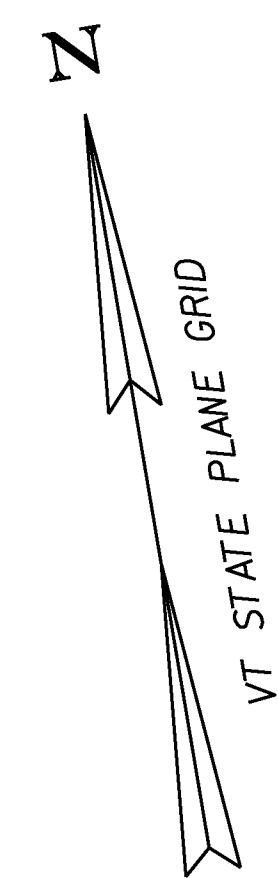


VT ROUTE 100 STA. 42+76.83
END PROJECT
HES 030-2(23)
BEGIN APPROACH

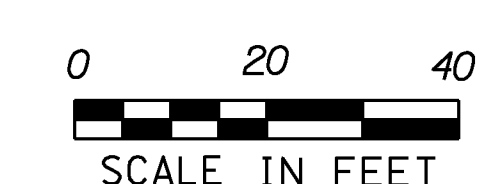
VT ROUTE 100
STA. 44+14.33
END APPROACH



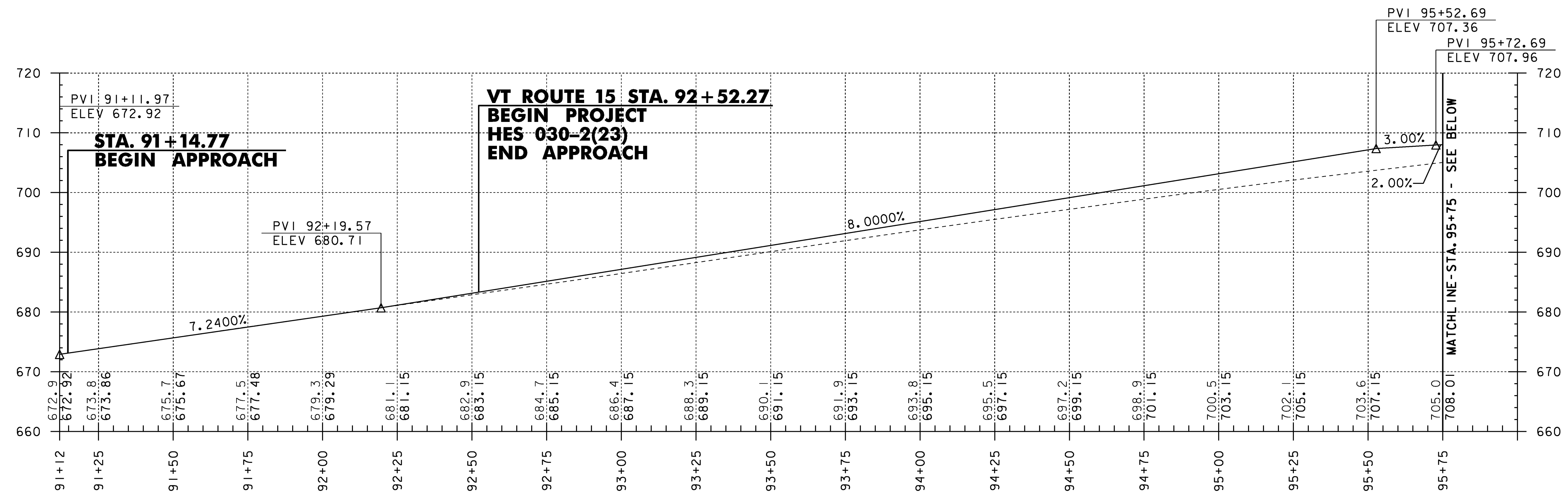
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PROJECT NUMBER:	HES 030-2(23)	PROJECT LEADER:	JLS	DRAWN BY:	MBL
		DESIGNED BY:	MBL	CHECKED BY:	JAD
		LAYOUT PLAN 4		SHEET 18	OF 100



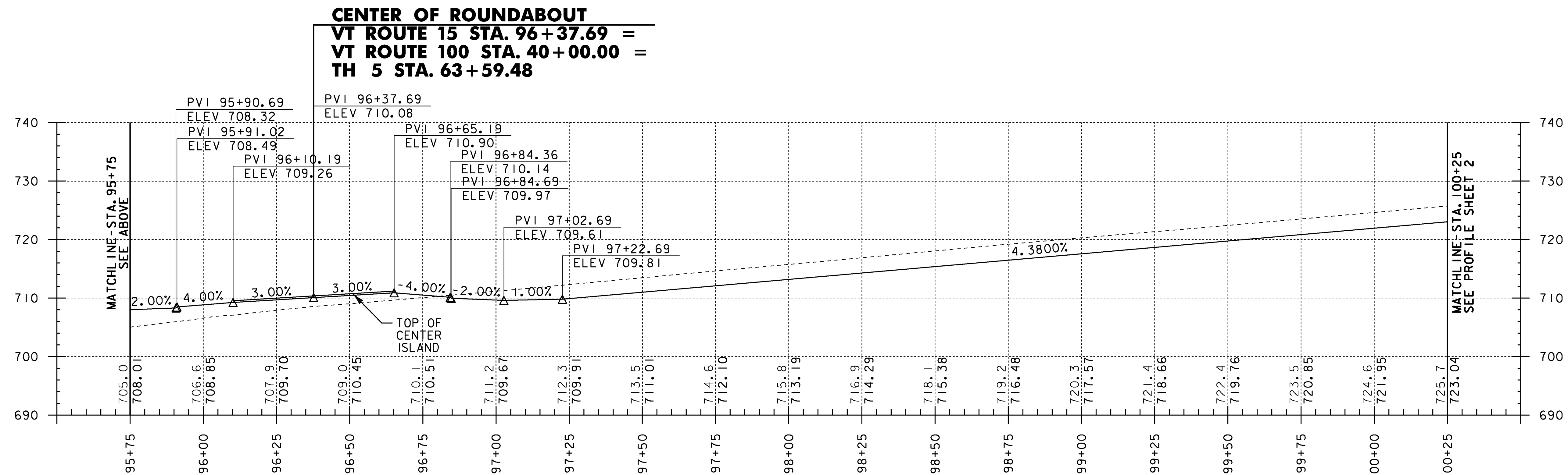
- STEEL BEAM GUARD RAIL, GALVANIZED, 8 FOOT POSTS
STA. 61+75, LT. - STA. 61+20, LT.
- REMOVAL AND DISPOSAL OF GUARD RAIL
STA. 61+75, LT. - STA. 61+35, LT.
- ANCHOR FOR STEEL BEAM RAIL
STA. 61+20, LT.



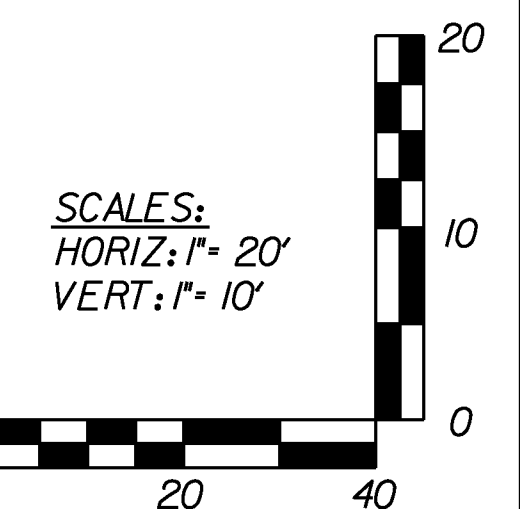
PROJECT NAME: HYDE PARK	
PROJECT NUMBER: HES 030-2(23)	
FILE NAME: +08b126bdr.dgn	PLOT DATE: 08-DEC-2010
PROJECT LEADER: JLS	DRAWN BY: MBL
DESIGNED BY: MBL	CHECKED BY: JAD
LAYOUT PLAN 5	SHEET 19 OF 100



VT ROUTE 15 PROFILE 1

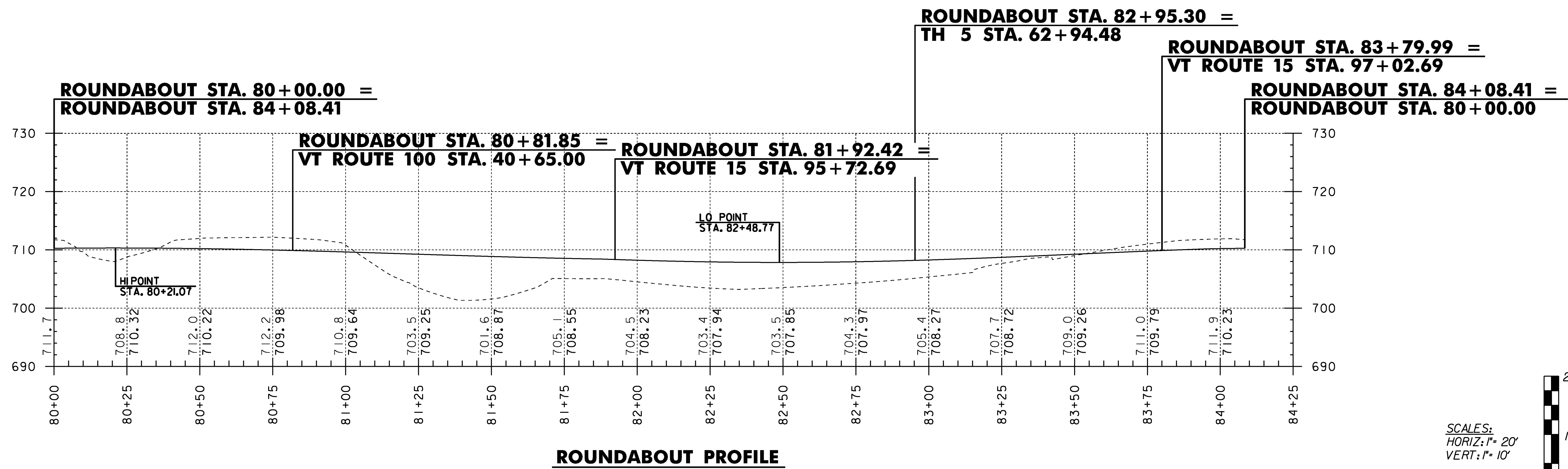
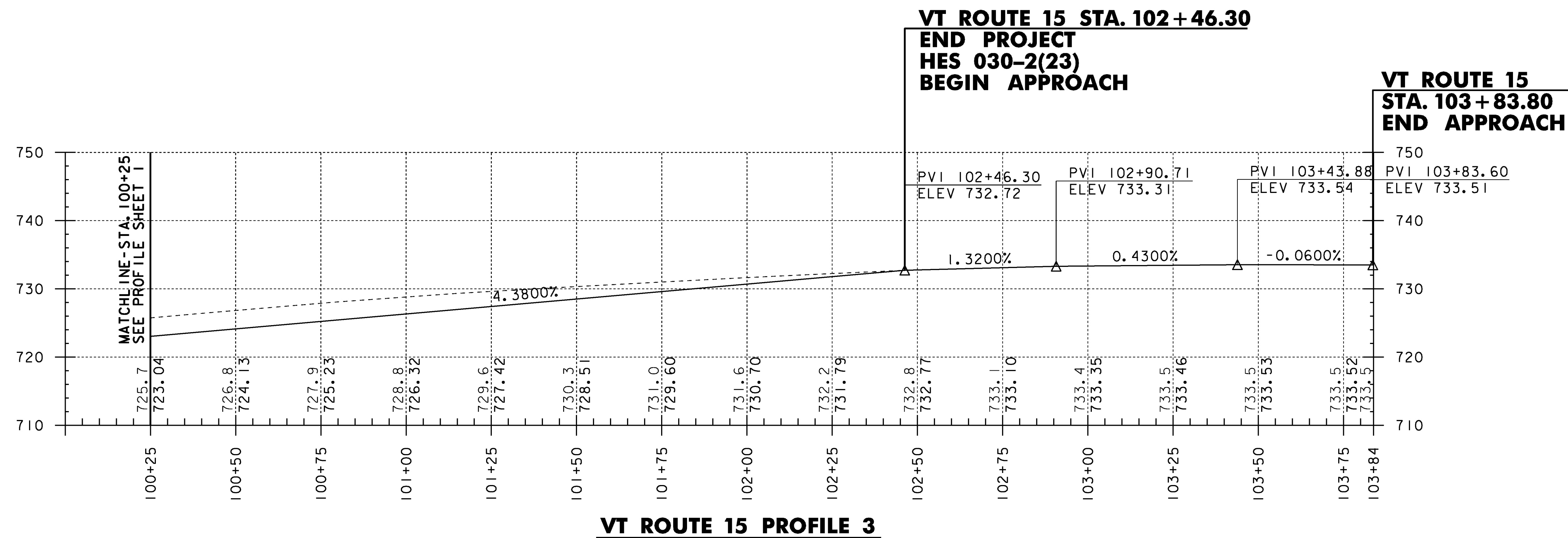


VT ROUTE 15 PROFILE 2



NOTE:
 GRADES SHOWN TO THE NEAREST TENTH
 ARE AT EXISTING GROUND ALONG CENTERLINE.
 GRADES SHOWN TO THE NEAREST HUNDREDTH
 ARE AT FINISHED GRADE ALONG CENTERLINE.

PROJECT NAME: HYDE PARK	PLOT DATE: 08-DEC-2010
PROJECT NUMBER: HES 030-2(23)	DRAWN BY: MBL
FILE NAME: +08bl26pro.dgn	CHECKED BY: JAD
PROJECT LEADER: JLS	SHEET 20 OF 100
DESIGNED BY: MBL	
PROFILE SHEET 1	

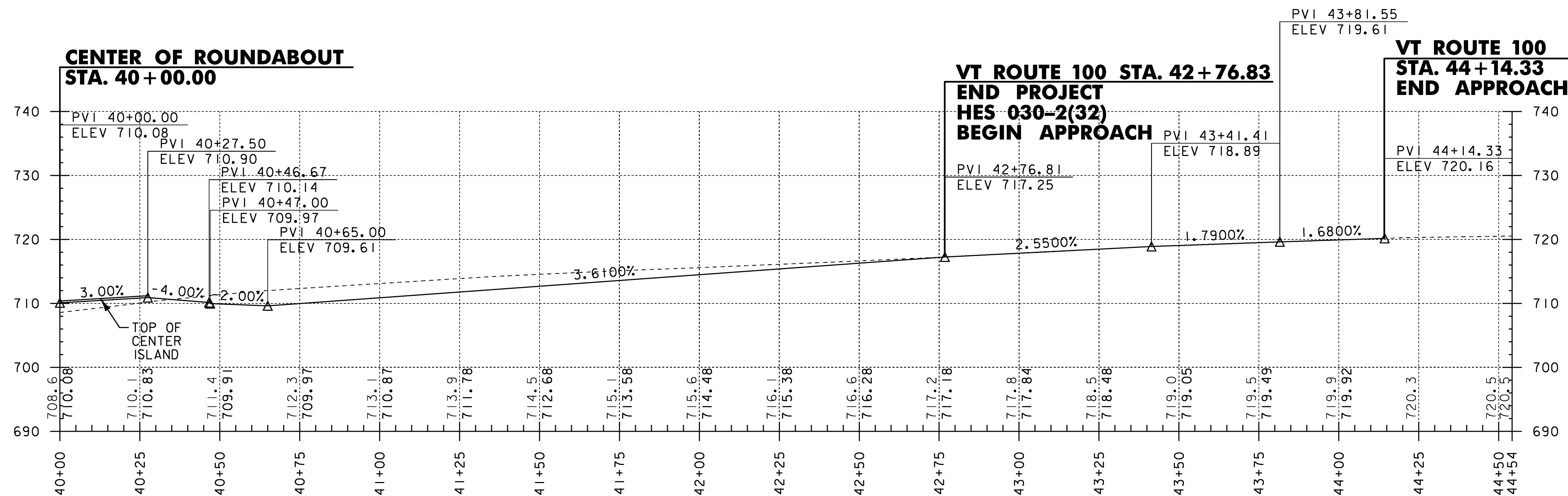


NOTE:
GRADES SHOWN TO THE NEAREST TENTH
ARE AT EXISTING GROUND ALONG CENTERLINE.
GRADES SHOWN TO THE NEAREST HUNDREDTH
ARE AT FINISHED GRADE ALONG CENTERLINE.

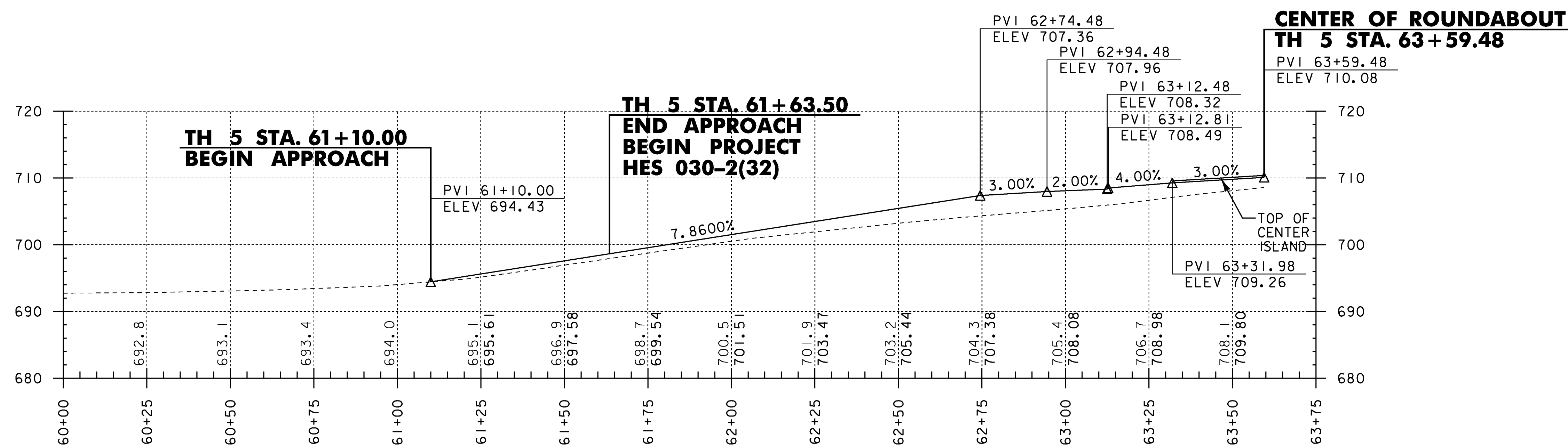
PROJECT NAME: HYDE PARK
PROJECT NUMBER: HES 030-2(23)

FILE NAME: +08bl26pro.dgn
PROJECT LEADER: JLS
DESIGNED BY: MBL
PROFILE SHEET 2

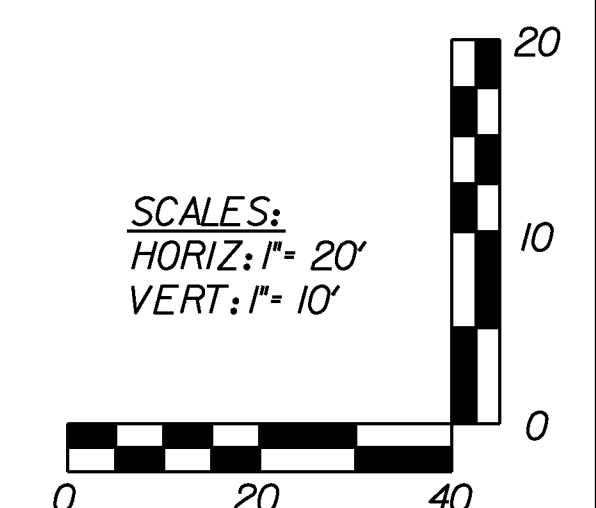
PLOT DATE: 08-DEC-2010
DRAWN BY: MBL
CHECKED BY: JAD
SHEET 21 OF 100



VT ROUTE 100 PROFILE



TH 5 PROFILE



NOTE:

GRADES SHOWN TO THE NEAREST TENTH
ARE AT EXISTING GROUND ALONG CENTERLINE.
GRADES SHOWN TO THE NEAREST HUNDREDTH
ARE AT FINISHED GRADE ALONG CENTERLINE.

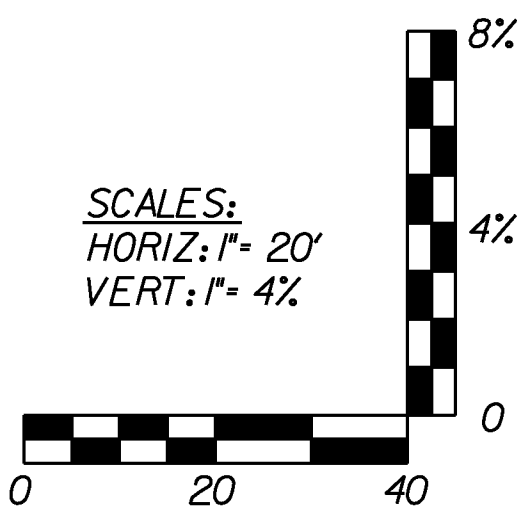
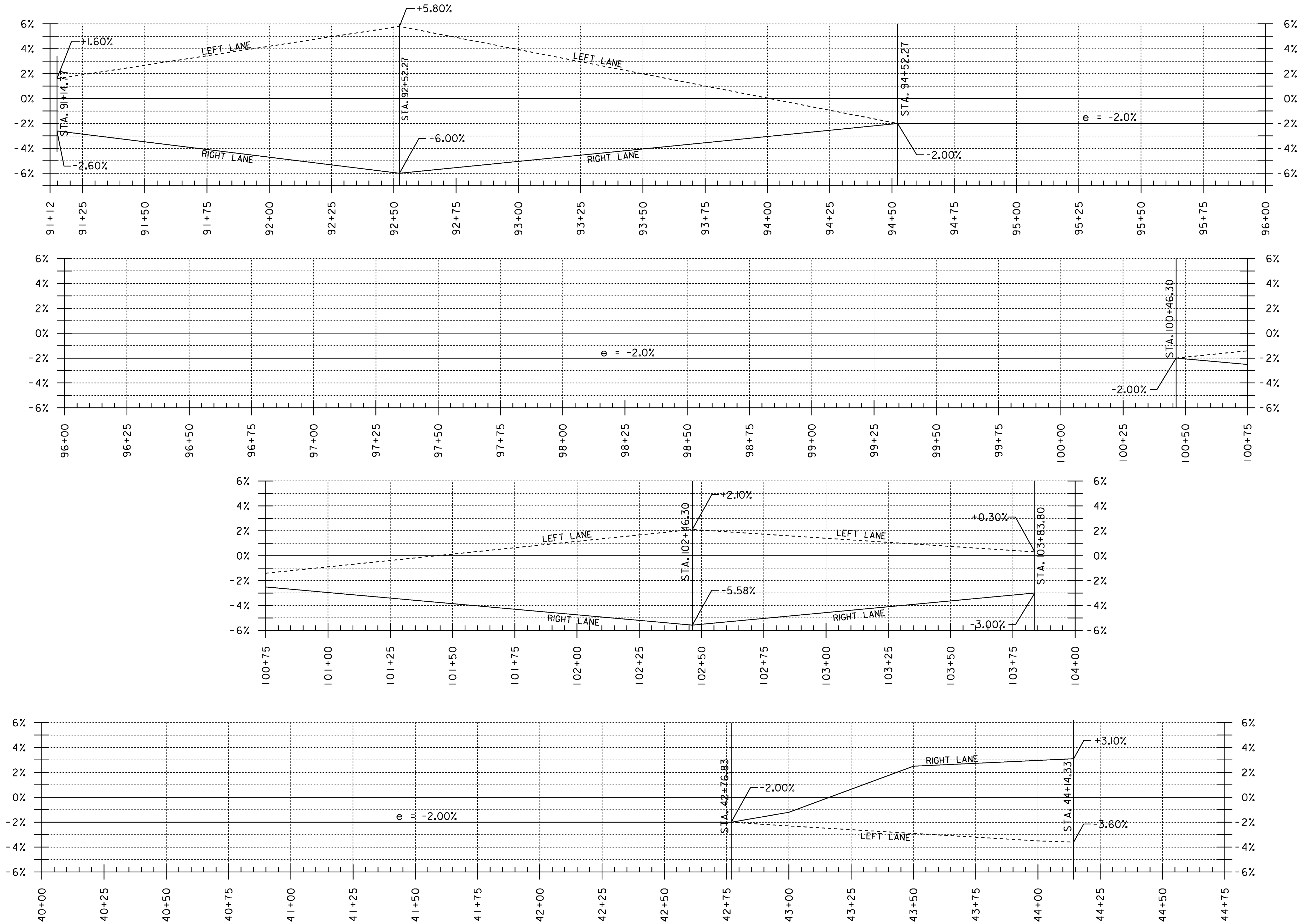
PROJECT NAME: HYDE PARK
PROJECT NUMBER: HES 030-2(23)

FILE NAME: t08b126pro.dgn
PROJECT LEADER: JLS
DESIGNED BY: MBL
PROFILE SHEET 3

PLOT DATE: 08-DEC-2010
DRAWN BY: MBL
CHECKED BY: JAD
SHEET 22 OF 100

VT ROUTE 100
BANKING DIAGRAM

VT ROUTE 15 BANKING DIAGRAMS



PROJECT NAME: HYDE PARK
PROJECT NUMBER: HES 030-2(23)

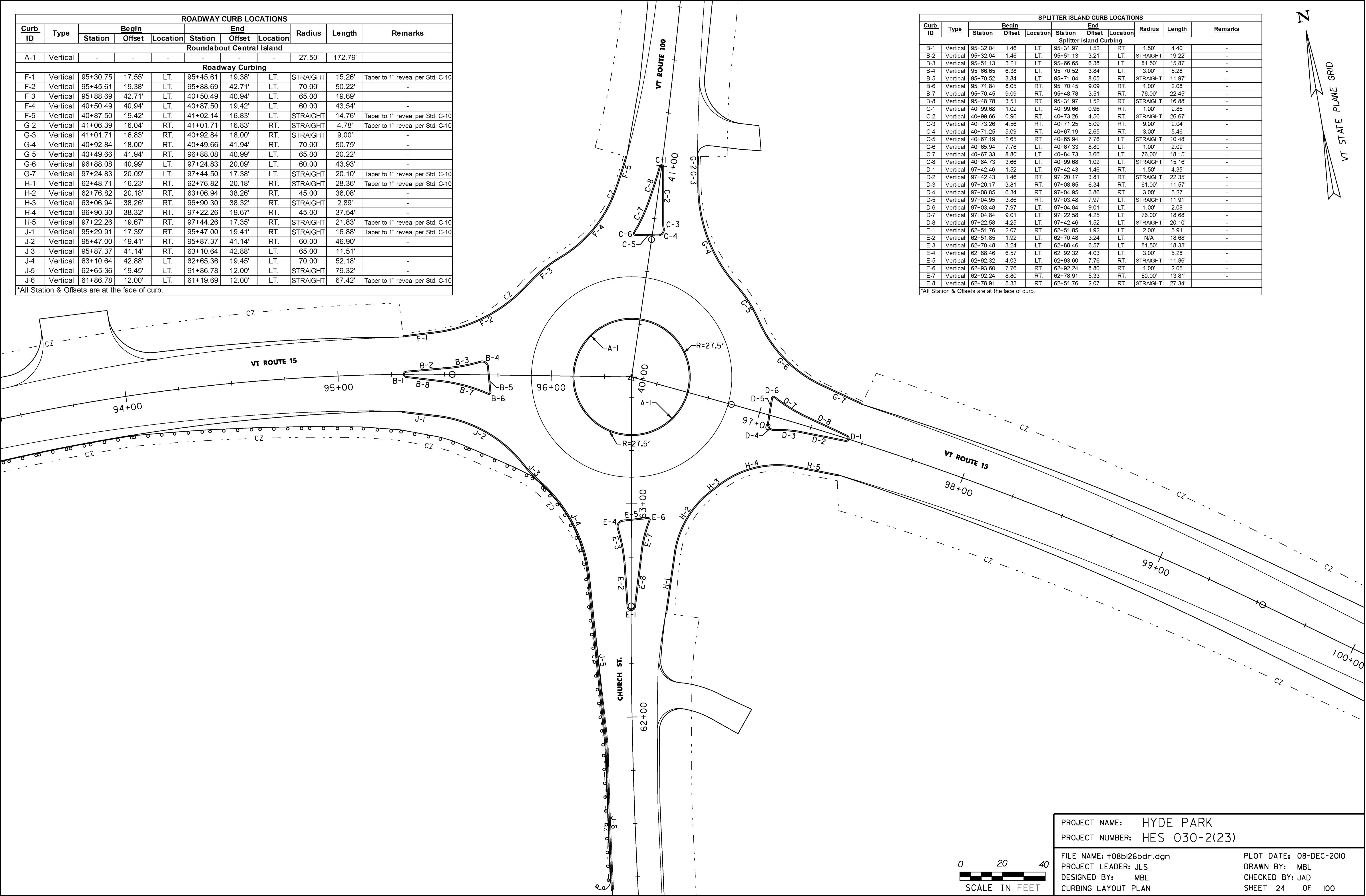
FILE NAME: +08bl26bnk.dgn
PROJECT LEADER: JLS
DESIGNED BY: MBL
BANKING DIAGRAM SHEET

PLOT DATE: 08-DEC-2010
DRAWN BY: MBL
CHECKED BY: JAD
SHEET 23 OF 100

ROADWAY CURB LOCATIONS										
Curb ID	Type	Begin			End			Radius	Length	Remarks
		Station	Offset	Location	Station	Offset	Location			
Roundabout Central Island										
A-1	Vertical	-	-	-	-	-	-	27.50'	172.79'	
Roadway Curbing										
F-1	Vertical	95+30.75	17.55'	LT.	95+45.61	19.38'	LT.	STRAIGHT	15.26'	Taper to 1" reveal per Std. C-10
F-2	Vertical	95+45.61	19.38'	LT.	95+88.69	42.71'	LT.	70.00'	50.22'	-
F-3	Vertical	95+88.69	42.71'	LT.	40+50.49	40.94'	LT.	65.00'	19.69'	-
F-4	Vertical	40+50.49	40.94'	LT.	40+87.50	19.42'	LT.	60.00'	43.54'	-
F-5	Vertical	40+87.50	19.42'	LT.	41+02.14	16.83'	LT.	STRAIGHT	14.76'	Taper to 1" reveal per Std. C-10
G-2	Vertical	41+06.39	16.04'	RT.	41+01.71	16.83'	RT.	STRAIGHT	4.78'	Taper to 1" reveal per Std. C-10
G-3	Vertical	41+01.71	16.83'	RT.	40+92.84	18.00'	RT.	STRAIGHT	9.00'	-
G-4	Vertical	40+92.84	18.00'	RT.	40+49.66	41.94'	RT.	70.00'	50.75'	-
G-5	Vertical	40+49.66	41.94'	RT.	96+88.08	40.99'	LT.	65.00'	20.22'	-
G-6	Vertical	96+88.08	40.99'	LT.	97+24.83	20.09'	LT.	60.00'	43.93'	-
G-7	Vertical	97+24.83	20.09'	LT.	97+44.50	17.38'	LT.	STRAIGHT	20.10'	Taper to 1" reveal per Std. C-10
H-1	Vertical	62+48.71	16.23'	RT.	62+76.82	20.18'	RT.	STRAIGHT	28.36'	Taper to 1" reveal per Std. C-10
H-2	Vertical	62+76.82	20.18'	RT.	63+06.94	38.26'	RT.	45.00'	36.08'	-
H-3	Vertical	63+06.94	38.26'	RT.	96+90.30	38.32'	RT.	STRAIGHT	2.89'	-
H-4	Vertical	96+90.30	38.32'	RT.	97+22.26	19.67'	RT.	45.00'	37.54'	-
H-5	Vertical	97+22.26	19.67'	RT.	97+44.26	17.35'	RT.	STRAIGHT	21.83'	Taper to 1" reveal per Std. C-10
J-1	Vertical	95+29.91	17.39'	RT.	95+47.00	19.41'	RT.	STRAIGHT	16.88'	Taper to 1" reveal per Std. C-10
J-2	Vertical	95+47.00	19.41'	RT.	95+87.37	41.14'	RT.	60.00'	46.90'	-
J-3	Vertical	95+87.37	41.14'	RT.	63+10.64	42.88'	LT.	65.00'	11.51'	-
J-4	Vertical	63+10.64	42.88'	LT.	62+65.36	19.45'	LT.	70.00'	52.18'	-
J-5	Vertical	62+65.36	19.45'	LT.	61+86.78	12.00'	LT.	STRAIGHT	79.32'	-
J-6	Vertical	61+86.78	12.00'	LT.	61+19.69	12.00'	LT.	STRAIGHT	67.42'	Taper to 1" reveal per Std. C-10
*All Station & Offsets are at the face of curb.										

SPLITTER ISLAND CURB LOCATIONS										
Curb ID	Type	Begin			End			Radius	Length	Remarks
		Station	Offset	Location	Station	Offset	Location			
Splitter Island Curbing										
B-1	Vertical	95+32.04	1.46'	LT.	95+31.97	1.52'	RT.	1.50'	4.40'	-
B-2	Vertical	95+32.04	1.46'	LT.	95+51.13	3.21'	LT.	STRAIGHT	19.22'	-
B-3	Vertical	95+51.13	3.21'	LT.	95+66.65	6.38'	LT.	81.50'	15.87'	-
B-4	Vertical	95+66.65	6.38'	LT.	95+70.52	3.84'	LT.	3.00'	5.28'	-
B-5	Vertical	95+70.52	3.84'	LT.	95+71.84	8.05'	RT.	STRAIGHT	11.97'	-
B-6	Vertical	95+71.84	8.05'	RT.	95+70.45	9.09'	RT.	1.00'	2.08'	-
B-7	Vertical	95+70.45	9.09'	RT.	95+48.78	3.51'	RT.	76.00'	22.45'	-
B-8	Vertical	95+48.78	3.51'	RT.	95+31.97	1.52'	RT.	STRAIGHT	16.88'	-
C-1	Vertical	40+99.68	1.02'	LT.	40+99.66	0.96'	RT.	1.00'	2.86'	-
C-2	Vertical	40+99.66	0.96'	RT.	40+73.26	4.56'	RT.	STRAIGHT	26.67'	-
C-3	Vertical	40+73.26	4.56'	RT.	40+71.25	5.09'	RT.	9.00'	2.04'	-
C-4	Vertical	40+71.25	5.09'	RT.	40+67.19	2.65'	RT.	3.00'	5.46'	-
C-5	Vertical	40+67.19	2.65'	RT.	40+65.94	7.76'	LT.	STRAIGHT	10.48'	-
C-6	Vertical	40+65.94	7.76'	LT.	40+67.33	8.80'	LT.	1.00'	2.09'	-
C-7	Vertical	40+67.33	8.80'	LT.	40+84.73	3.66'	LT.	76.00'	18.15'	-
C-8	Vertical	40+84.73	3.66'	LT.	40+99.68	1.02'	LT.	STRAIGHT	15.16'	-
D-1	Vertical	97+42.46	1.52'	LT.	97+42.43	1.46'	RT.	1.50'	4.35'	-
D-2	Vertical	97+42.43	1.46'	RT.	97+20.17	3.81'	RT.	STRAIGHT	22.35'	-
D-3	Vertical	97+20.17	3.81'	RT.	97+08.85	6.34'	RT.	81.00'	11.57'	-
D-4	Vertical	97+08.85	6.34'	RT.	97+04.95	3.86'	RT.	3.00'	5.27'	-
D-5	Vertical	97+04.95	3.86'	RT.	97+03.48	7.97'	LT.	STRAIGHT	11.91'	-
D-6	Vertical	97+03.48	7.97'	LT.	97+04.84	9.01'	LT.	1.00'	2.08'	-
D-7	Vertical	97+04.84	9.01'	LT.	97+22.58	4.25'	LT.	76.00'	18.68'	-
D-8	Vertical	97+22.58	4.25'	LT.	97+42.46	1.52'	LT.	STRAIGHT	20.10'	-
E-1	Vertical	62+51.76	2.07'	RT.	62+51.85	1.92'	LT.	2.00'	5.91'	-
E-2	Vertical	62+51.85	1.92'	LT.	62+70.48	3.24'	LT.	N/A	18.68'	-
E-3	Vertical	62+70.48	3.24'	LT.	62+88.46	6.57'	LT.	81.50'	18.33'	-
E-4	Vertical	62+88.46	6.57'	LT.	62+92.32	4.03'	LT.	3.00'	5.28'	-
E-5	Vertical	62+92.32	4.03'	LT.	62+93.60	7.76'	RT.	STRAIGHT	11.86'	-
E-6	Vertical	62+93.60	7.76'	RT.	62+92.24	8.80'	RT.	1.00'	2.05'	-
E-7	Vertical	62+92.24	8.80'	RT.	62+78.91	5.33'	RT.	60.00'	13.81'	-
E-8	Vertical	62+78.91	5.33'	RT.	62+51.76	2.07'	RT.	STRAIGHT	27.34'	-

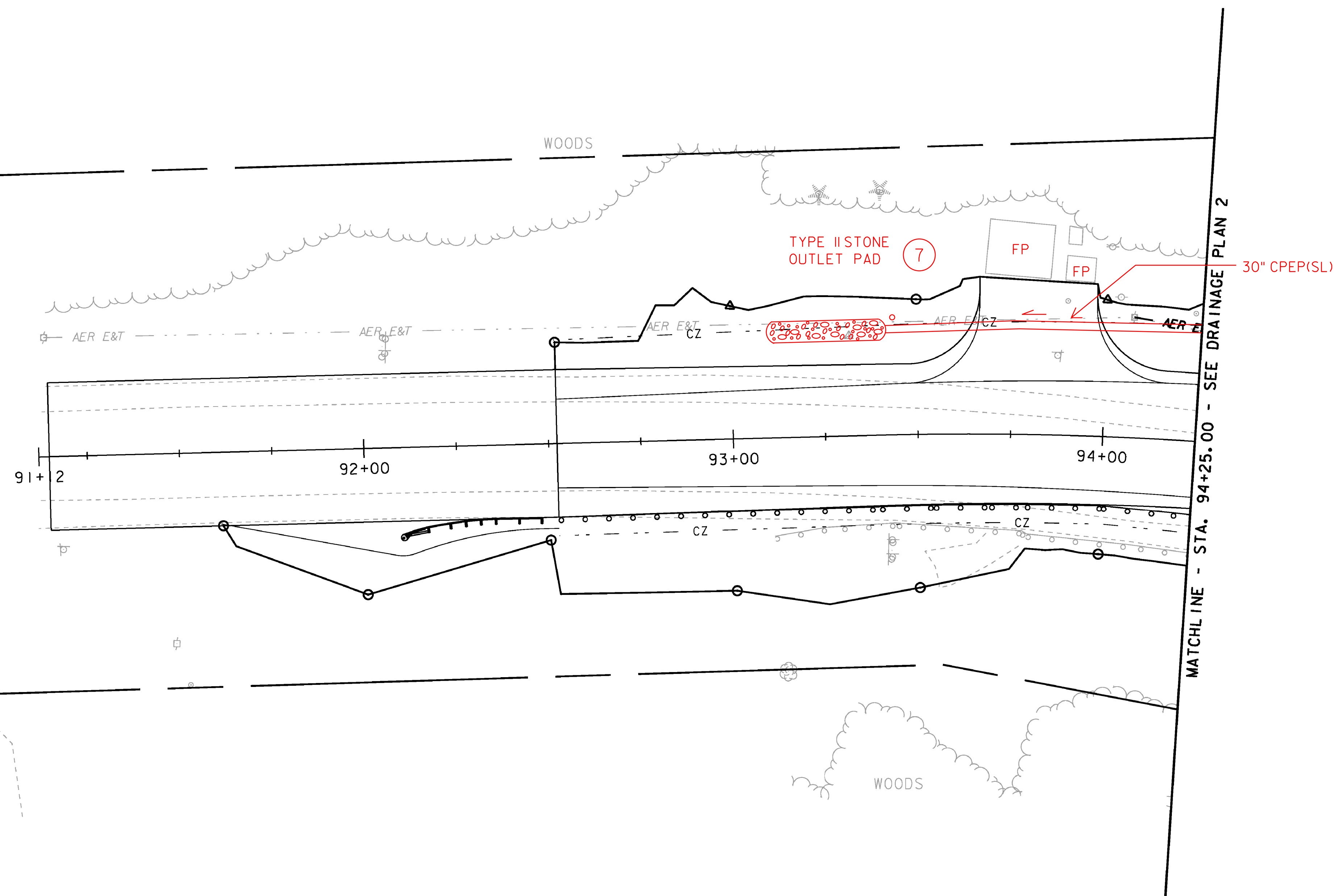
*All Station & Offsets are at the face of curb.



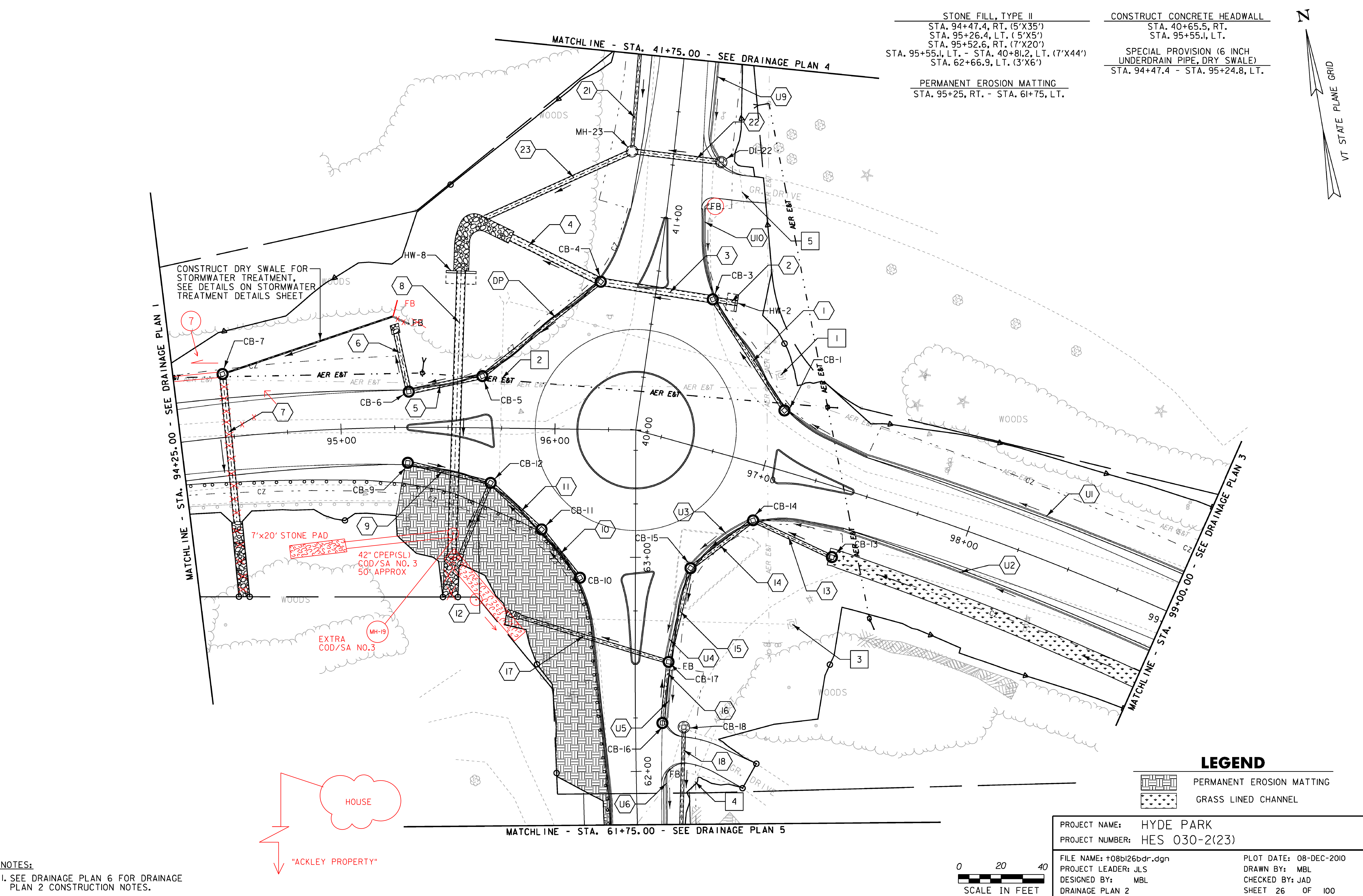
PROJECT NAME: HYDE PARK
PROJECT NUMBER: HES 030-2(23)

FILE NAME: +08bl26bdr.dgn
PROJECT LEADER: JLS
DESIGNED BY: MBL
CURBING LAYOUT PLAN

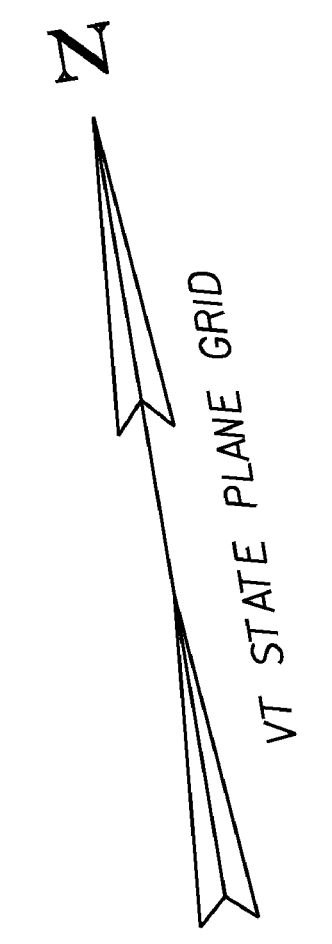
PLOT DATE: 08-DEC-2010
DRAWN BY: MBL
CHECKED BY: JAD
SHEET 24 OF 100



PROJECT NAME: HYDE PARK	
PROJECT NUMBER: HES 030-2(23)	
FILE NAME: t08bl26bdr.dgn	PLOT DATE: 08-DEC-2010
PROJECT LEADER: JLS	DRAWN BY: MBL
DESIGNED BY: MBL	CHECKED BY: JAD
DRAINAGE PLAN 1	SHEET 25 OF 100



- STONE FILL, TYPE II
STA. 94+47.4, RT. (5'X35')
STA. 95+26.4, LT. (5'X5')
STA. 95+52.6, RT. (7'X20')
STA. 95+55.1, LT. - STA. 40+81.2, LT. (7'X44')
STA. 62+66.9, LT. (3'X6')
- PERMANENT EROSION MATTING
STA. 95+25, RT. - STA. 61+75, LT.
- CONSTRUCT CONCRETE HEADWALL
STA. 40+65.5, RT.
STA. 95+55.1, LT.
- SPECIAL PROVISION (6 INCH UNDERDRAIN PIPE, DRY SWALE)
STA. 94+47.4 - STA. 95+24.8, LT.



NOTES:
1. SEE DRAINAGE PLAN 6 FOR DRAINAGE PLAN 2 CONSTRUCTION NOTES.

- LEGEND**
- PERMANENT EROSION MATTING
 - GRASS LINED CHANNEL

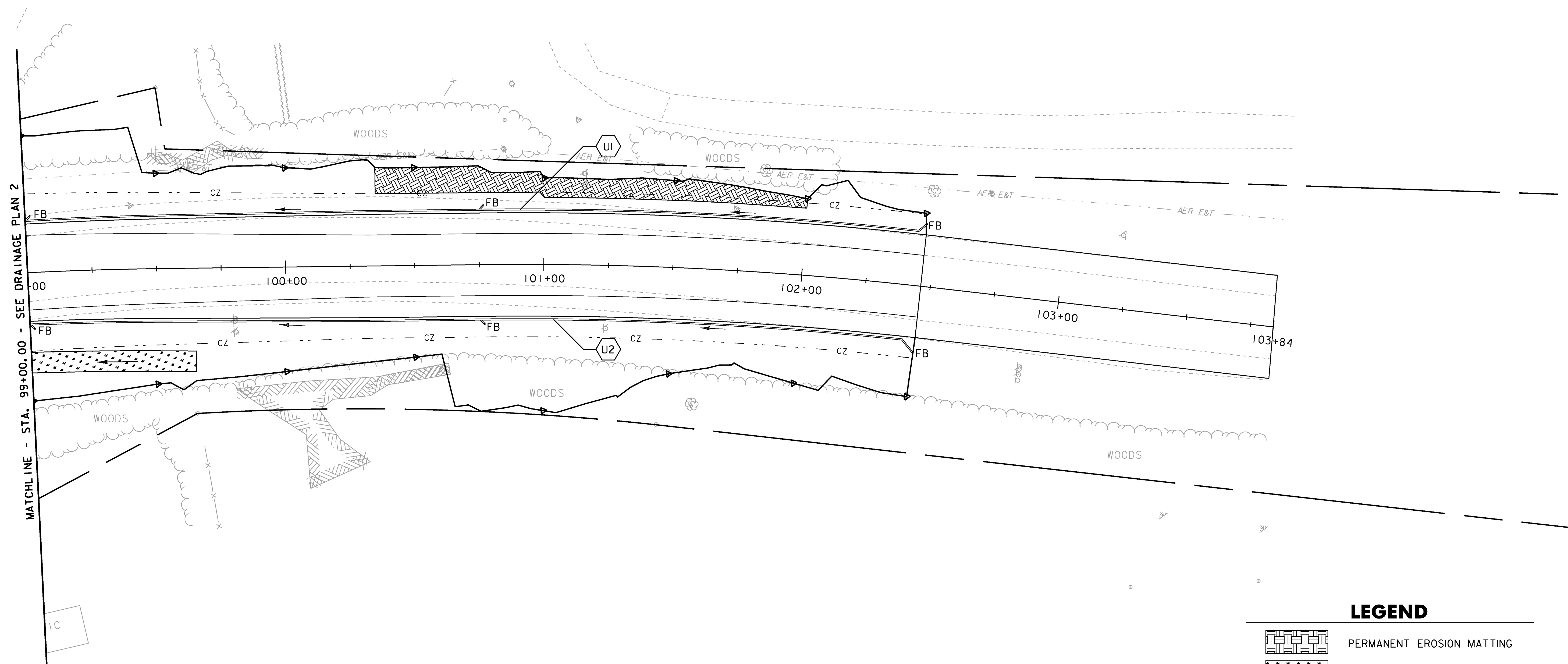
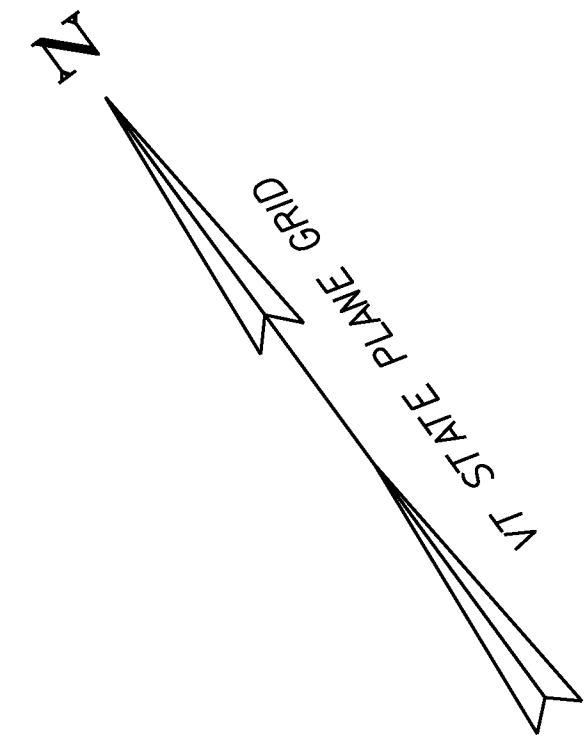
PROJECT NAME:	HYDE PARK	PLOT DATE:	08-DEC-2010
PROJECT NUMBER:	HES 030-2(23)	DRAWN BY:	MBL
FILE NAME:	+08b126bdr.dgn	CHECKED BY:	JAD
PROJECT LEADER:	JLS	SHEET	26 OF 100
DESIGNED BY:	MBL		
DRAINAGE PLAN 2			



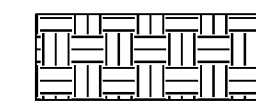
PERMANENT EROSION MATTING
STA. 100+35.0 - STA. 102+00.0, LT.

U1 SEE CONSTRUCTION NOTE ON DRAINAGE PLAN 6

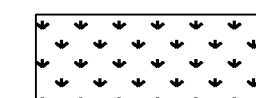
U2 SEE CONSTRUCTION NOTE ON DRAINAGE PLAN 6



LEGEND



PERMANENT EROSION MATTING



GRASS LINED CHANNEL

0 20 40
SCALE IN FEET

PROJECT NAME: HYDE PARK
PROJECT NUMBER: HES 030-2(23)

FILE NAME: t08b126bdr.dgn
PROJECT LEADER: JLS
DESIGNED BY: MBL
DRAINAGE PLAN 3

PLOT DATE: 08-DEC-2010
DRAWN BY: MBL
CHECKED BY: JAD
SHEET 27 OF 100

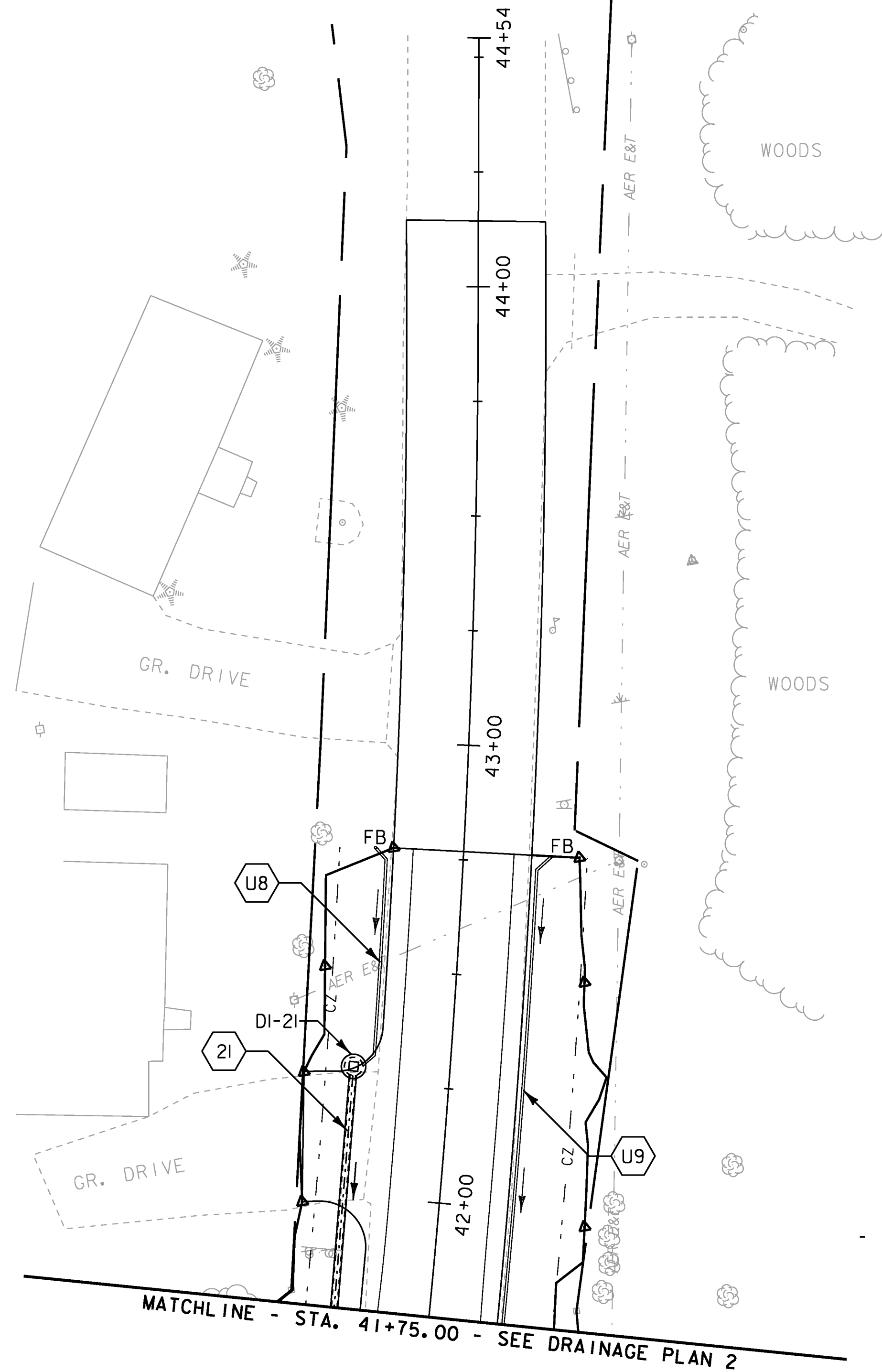
DRAINAGE CONSTRUCTION NOTES

21 STA. 42+28.4, 21.0' LT. - STA. 41+26.2, 19.6' LT.
CONSTRUCT NEW 15" X 99' PIPE OPTION 1
INV. IN = 709.83', INV. OUT = 706.26'
CONSTRUCT NEW DI (DI-21), RIM = 714.23'
WITH CAST IRON GRATE, TYPE A

UNDERDRAIN CONSTRUCTION NOTES

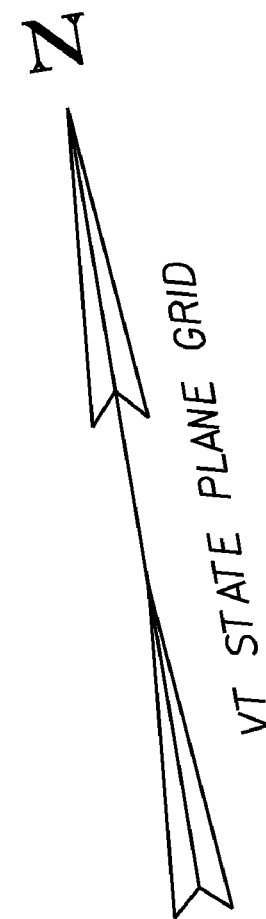
U8 STA. 42+28.4, 21.0' LT. - STA. 42+76.7, 19.2' LT.
CONSTRUCT NEW 6" X 50' UNDERDRAIN PIPE
INV. IN = 712.50', INV. OUT = 710.00'
CONSTRUCT NEW FLUSHING BASINS AT 42+76.7, LT.

U9 SEE UNDERDRAIN CONSTRUCTION NOTES ON DRAINAGE SHEET 6



0 20 40
SCALE IN FEET

PROJECT NAME: HYDE PARK	
PROJECT NUMBER: HES 030-2(23)	
FILE NAME: t08b126bdr.dgn	PLOT DATE: 08-DEC-2010
PROJECT LEADER: JLS	DRAWN BY: MBL
DESIGNED BY: MBL	CHECKED BY: JAD
DRAINAGE PLAN 4	SHEET 28 OF 100



MATCHLINE - STA. 61+75.00 - SEE DRAINAGE PLAN 2

PAVED DRIVE
APRON
(FIELD DETERMINED)

REPLACED EXISTING
PIPE "IN-KIND"
W/SCH 30 PVC PIPE
(FROM NEW STRUCTURE
TO EXISTING STRUCTURE)

EXTENDED PAVING LIMITS
OF TH-5 (CHURCH STREET)
APPROX. STA 60+63 L/R +/-

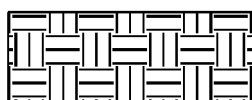
2-BAY
GARAGE
EXISTING

WOODS

61+00

60+00

LEGEND



PERMANENT EROSION MATTING

0 20 40
SCALE IN FEET

PERMANENT EROSION MATTING
STA. 61+10, LT. - STA. 61+75, LT.

DRAINAGE CONSTRUCTION NOTES

20 STA. 61+42.0, LT.
REMOVE EXISTING DRAINAGE STRUCTURE
CONSTRUCT NEW CB (CB-22), RIM = 696.71'
WITH CAST IRON GRATE, TYPE D
TIE EXISTING PIPE INTO NEW STRUCTURE

18 SEE CONSTRUCTION NOTE ON DRAINAGE PLAN 6

UNDERDRAIN CONSTRUCTION NOTES

U6 SEE CONSTRUCTION NOTE ON DRAINAGE PLAN 6

U7 STA. 61+41.9, 14.6' RT. - STA. 61+42.0, 11.0' LT.
CONSTRUCT NEW 6" X 23' UNDERDRAIN CARRIER PIPE
INV. IN = 692.83', INV. OUT = 692.37'
CONSTRUCT NEW FLUSHING BASINS AT 61+41.9, RT.

PROJECT NAME: HYDE PARK
PROJECT NUMBER: HES 030-2(23)

FILE NAME: t08b126bdr.dgn
PROJECT LEADER: JLS
DESIGNED BY: MBL
DRAINAGE PLAN 5

PLOT DATE: 08-DEC-2010
DRAWN BY: MBL
CHECKED BY: JAD
SHEET 29 OF 100

NOTES:

I. FOR DRAINAGE CONSTRUCTION NOTES, SEE DRAINAGE PLAN 6.

DRAINAGE CONSTRUCTION NOTES - DRAINAGE PLAN 2

- 1

STA. 97+01.9, 27.3' LT. - STA. 40+65.6, 26.9' RT.
CONSTRUCT NEW 18" X 62' PIPE OPTION
INV. IN = 704.86', INV. OUT = 704.57'
CONSTRUCT NEW CB (CB-1), RIM = 709.53'
WITH CAST IRON GRATE, TYPE D
- 2

STA. 40+65.5, 38.4' RT. - STA. 40+65.6, 26.9' RT.
CONSTRUCT NEW 24" X 12' PIPE OPTION
INV. IN = 706.37', INV. OUT = 704.37'
CONSTRUCT NEW HEADWALL (HW-2) AT INLET
- 3

STA. 40+65.6, 26.9' RT. - STA. 40+66.2, 26.1' LT.
CONSTRUCT NEW 36" X 53' PIPE OPTION
INV. IN = 703.39', INV. OUT = 702.86'
CONSTRUCT NEW CB (CB-3), RIM = 709.64'
6' INSIDE DIAMETER STRUCTURE
WITH CAST IRON GRATE, TYPE D
- 4

STA. 40+66.2, 26.1' LT. - STA. 40+81.2, 70.6' LT.
CONSTRUCT NEW 36" X 47' CPEP
INV. IN = 702.36', INV. OUT = 699.89'
CONSTRUCT NEW CB (CB-4), RIM = 709.45'
WITH CAST IRON GRATE, TYPE D
5' INSIDE DIAMETER STRUCTURE
CONSTRUCT STONE FILL, TYPE II AT OUTLET
- DP

STA. 40+66.2, 26.1' LT. - STA. 95+65.7, 24.3' LT.
CONSTRUCT NEW 18" X 71' CPEP(SL)
INV. IN = 701.61', INV. OUT = 700.94'
INSTALL 8"x18" CPEP(SL) INCREASER AT INLET
- 5

STA. 95+65.7, 24.3' LT. - STA. 95+31.8, 16.7' LT.
CONSTRUCT NEW 24" X 36' PIPE OPTION
INV. IN = 700.44', INV. OUT = 700.05'
CONSTRUCT NEW CB (CB-5), RIM = 707.49'
WITH CAST IRON GRATE, TYPE D
- 6

STA. 95+31.8, 16.7' LT. - STA. 95+26.4, 43.8' LT.
CONSTRUCT NEW 24" X 28' PIPE OPTION
INV. IN = 699.55', INV. OUT = 699.29'
CONSTRUCT NEW CB (CB-6), RIM = 705.37'
WITH CAST IRON GRATE, TYPE D
CONSTRUCT 5' X 5' STONE PAD, TYPE II AT OUTLET
- 7

STA. 94+47.4, 29.6' LT. - STA. 94+47.4, 39.8' RT.
CONSTRUCT NEW 30" X 70' PIPE OPTION
INV. IN = 692.10', INV. OUT = 691.75'
CONSTRUCT NEW CB (CB-7), RIM = 697.85'
WITH CAST IRON GRATE, TYPE A
CONSTRUCT 5' X 35' STONE PAD, TYPE II AT OUTLET
- 8

STA. 95+55.1, 73.1' LT. - STA. 95+52.6, 59.2' RT.
CONSTRUCT NEW 42" X 133' PIPE OPTION
INV. IN = 694.18', INV. OUT = 691.61'
CONSTRUCT NEW HEADWALL (HW-8) AT INLET
CONSTRUCT 7' X 20' STONE PAD, TYPE II AT OUTLET
- 9

STA. 95+31.1, 16.5' RT. - STA. 95+70.2, 25.6' RT.
CONSTRUCT NEW 18" X 40' PIPE OPTION
INV. IN = 700.65', INV. OUT = 700.47'
CONSTRUCT NEW CB (CB-9), RIM = 705.32'
WITH CAST IRON GRATE, TYPE D
- 10

STA. 62+90.4, 25.9' LT. - STA. 63+12.9, 43.9' LT.
CONSTRUCT NEW 18" X 29' PIPE OPTION
INV. IN = 701.30', INV. OUT = 701.17'
CONSTRUCT NEW CB (CB-10), RIM = 707.61'
WITH CAST IRON GRATE, TYPE D
- 11

STA. 63+12.9, 43.9' LT. - STA. 95+70.2, 25.6' RT.
CONSTRUCT NEW 18" X 33' PIPE OPTION
INV. IN = 700.68', INV. OUT = 700.47'
CONSTRUCT NEW CB (CB-11), RIM = 707.85'
WITH CAST IRON GRATE, TYPE D
- 12

STA. 95+70.2, 25.6' RT. - STA. 95+56.8, 59.1' RT.
CONSTRUCT NEW 18" X 34' CPEP
INV. IN = 699.97', INV. OUT = 692.05'
CONSTRUCT NEW CB (CB-12), RIM = 707.55'
WITH CAST IRON GRATE, TYPE D
OUTLET TO STONE PAD, TYPE II AT P8
- 13

STA. 97+43.1, 31.9' RT. - STA. 97+02.0, 26.1' RT.
CONSTRUCT NEW 18" X 41' PIPE OPTION
INV. IN = 703.32', INV. OUT = 703.14'
CONSTRUCT NEW CB (CB-13), RIM = 707.99'
WITH CAST IRON COVER, TYPE A

- 14

STA. 97+02.0, 26.1' RT. - STA. 62+95.0, 25.8' RT.
CONSTRUCT NEW 18" X 37' PIPE OPTION
INV. IN = 702.64', INV. OUT = 702.48'
CONSTRUCT NEW CB (CB-14), RIM = 709.22'
WITH CAST IRON COVER, TYPE D
- 15

STA. 62+95.0, 25.8' RT. - STA. 62+51.2, 15.6' RT.
CONSTRUCT NEW 18" X 45' PIPE OPTION
INV. IN = 701.98', INV. OUT = 700.59'
CONSTRUCT NEW CB (CB-15), RIM = 708.00'
WITH CAST IRON GRATE, TYPE D
- 16

STA. 62+22.5, 12.6' RT. - STA. 62+51.2, 15.6' RT.
CONSTRUCT NEW 18" X 29' PIPE OPTION
INV. IN = 698.34', INV. OUT = 698.22'
CONSTRUCT NEW CB (CB-16), RIM = 703.01'
WITH CAST IRON GRATE, TYPE D
- 17

STA. 62+51.2, 15.6' RT. - STA. 62+72.3, 54.2' LT.
CONSTRUCT NEW 18" X 71' PIPE OPTION
INV. IN = 697.72', INV. OUT = 688.55'
CONSTRUCT NEW CB (CB-17), RIM = 705.26'
WITH CAST IRON GRATE, TYPE D
CONSTRUCT 3' X 6' STONE PAD, TYPE II AT OUTLET
- 18

STA. 62+20.5, 22.6' RT. - STA. 61+70.2, 20.3' RT.
CONSTRUCT NEW 15" X 50' PIPE OPTION
INV. IN = 697.46', INV. OUT = 697.35'
CONSTRUCT NEW CB (CB-18), RIM = 700.87'
WITH CAST IRON GRATE, TYPE A
- 19

NOT USED
- 20

SEE CONSTRUCTION NOTE ON DRAINAGE PLAN 5.
- 21

SEE CONSTRUCTION NOTE ON DRAINAGE PLAN 4
- 22

STA. 41+29.0, 22.4' RT. - STA. 41+26.2, 19.6' LT.
CONSTRUCT NEW 24" X 42' PIPE OPTION
INV. IN = 706.03', INV. OUT = 705.84'
CONSTRUCT NEW DI (DI-22), RIM = 710.43'
WITH DOUBLE CAST IRON GRATES, TYPE A
- 23

STA. 41+26.2, 19.6' LT. - STA. 41+29.2, 19.6' LT.
CONSTRUCT NEW 24" X 77' CPEP
INV. IN = 705.34', INV. OUT = 696.48'
CONSTRUCT NEW CB (MH-23) WITH COVER, RIM = 710.66'

EXISTING DRAINAGE NOTES - DRAINAGE PLAN 2

- 1

STA. 96+95.8, 42.8' LT. - STA. 95+77.1, 59.3' LT.
REMOVE EXISTING DRAINAGE STRUCTURE AND CULVERT
- 2

STA. 95+75.1, 58.8' LT. - STA. 62+88.1, 64.8' LT.
PLUG AND ABANDON EXISTING DRAINAGE STRUCTURE
AND CULVERT; PLUG WITH FLOWABLE FILL
- 3

STA. 62+69.2, 73.2' RT. - STA. 62+72.1, 57.4' LT.
REMOVE EXISTING DRAINAGE STRUCTURE AND CULVERT
- 4

STA. 62+19.0, 37.5' RT. - STA. 61+90.7, 25.6' RT.
REMOVE EXISTING DRIVE CULVERT
- 5

STA. 41+28.8, 30.6' RT. - STA. 41+09.0, 35.8' RT.
REMOVE EXISTING DRIVE CULVERT

UNDERDRAIN CONSTRUCTION NOTES - DRAINAGE PLAN 2

- U1

STA. 97+01.9, 27.3' LT. - STA. 102+46.1, 24.1' LT.
CONSTRUCT NEW 6" X 551' UNDERDRAIN PIPE
INV. IN = 725.30', INV. OUT = 704.96'
CONSTRUCT NEW FLUSHING BASINS AT 99+02, LT.,
100+77, LT., AND 102+46, LT.
- U2

STA. 97+02.1, 26.1' RT. - STA. 102+45.9, 25.8' RT.
CONSTRUCT NEW 6" X 539' UNDERDRAIN PIPE
INV. IN = 724.38', INV. OUT = 702.74'
CONSTRUCT NEW FLUSHING BASINS AT 99+02, RT.,
100+77, RT., AND 102+46, RT.
- U3

STA. 62+95.0, 25.8' RT. - STA. 97+02.7, 31.7' RT.
CONSTRUCT NEW 6" X 35' UNDERDRAIN PIPE
INV. IN = 706.00', INV. OUT = 703.42'
CONSTRUCT NEW FLUSHING BASINS IN CB-14 AT 97+02, RT.
- U4

STA. 62+51.2, 15.6' RT. - STA. 62+92.4, 29.7' RT.
CONSTRUCT NEW 6" X 45' UNDERDRAIN PIPE
INV. IN = 704.20', INV. OUT = 700.16'
CONSTRUCT NEW FLUSHING BASINS IN CB-15 AT 62+95, RT.
- U5

STA. 62+22.5, 12.6' RT. - STA. 62+48.3, 18.8' RT.
CONSTRUCT NEW 6" X 26' UNDERDRAIN PIPE
INV. IN = 702.00', INV. OUT = 698.50'
CONSTRUCT NEW FLUSHING BASINS AT 62+48.3, RT.
- U6

STA. 61+41.9, 13.5' RT. - STA. 62+00.8, 15.8' RT.
CONSTRUCT NEW 6" X 59' UNDERDRAIN PIPE
INV. IN = 694.07', INV. OUT = 692.83'
CONSTRUCT NEW FLUSHING BASINS AT 62+00.8, RT.
- U7

SEE CONSTRUCTION NOTE ON DRAINAGE PLAN 5.
- U8

SEE CONSTRUCTION NOTE ON DRAINAGE PLAN 5.
- U9

STA. 40+65.6, 26.9' RT. - STA. 41+29.0, 22.4' RT.
CONSTRUCT NEW 6" X 150' UNDERDRAIN PIPE
INV. IN = 712.50', INV. OUT = 706.15'
CONSTRUCT NEW FLUSHING BASINS AT 42+76.8, RT.
- U10

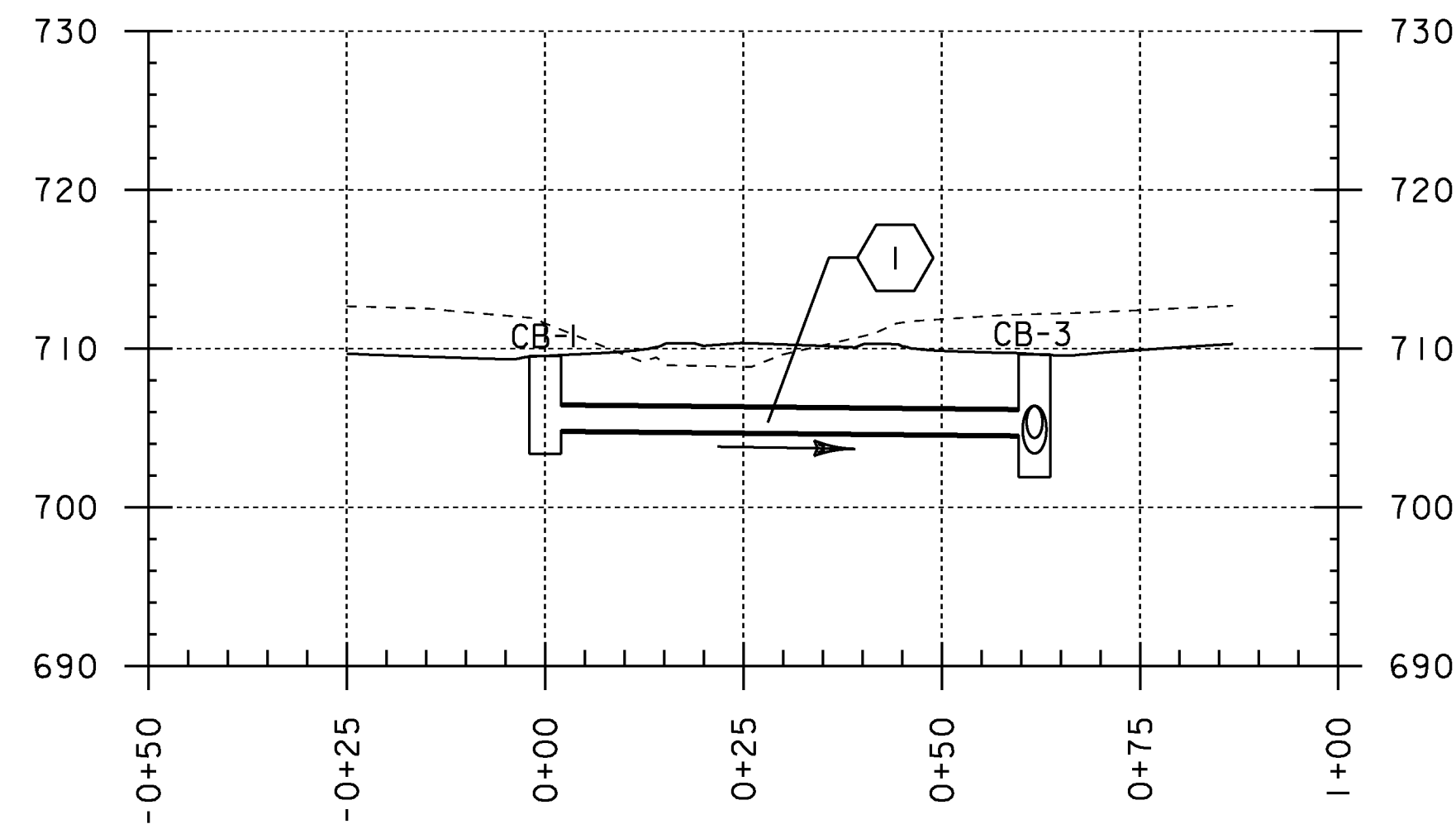
STA. 41+29.0, 22.4' RT. - STA. 41+09.9, 18.9' RT.
CONSTRUCT NEW 6" X 44' UNDERDRAIN PIPE
INV. IN = 706.00', INV. OUT = 703.39'
CONSTRUCT NEW FLUSHING BASINS AT 41+09.9, RT.

NOTES:

1. THE INCREASER SHALL BE INSTALLED AT INV. = 701.61'.
2. SEE STORMWATER TREATMENT DETAILS SHEET FOR DETAIL
OF THE DIVERSION PIPE AND INCREASER.
3. THE INCREASER SHALL BE PAID FOR UNDER PAY ITEM
NO. 900.620 - SPECIAL PROVISION (STORMWATER DIVERSION
PIPE).

PROJECT NAME: HYDE PARK	
PROJECT NUMBER: HES 030-2(23)	
FILE NAME: +08b126bdr.dgn	PLOT DATE: 08-DEC-2010
PROJECT LEADER: JLS	DRAWN BY: MBL
DESIGNED BY: MBL	CHECKED BY: JAD
DRAINAGE PLAN 6	SHEET 30 OF 100

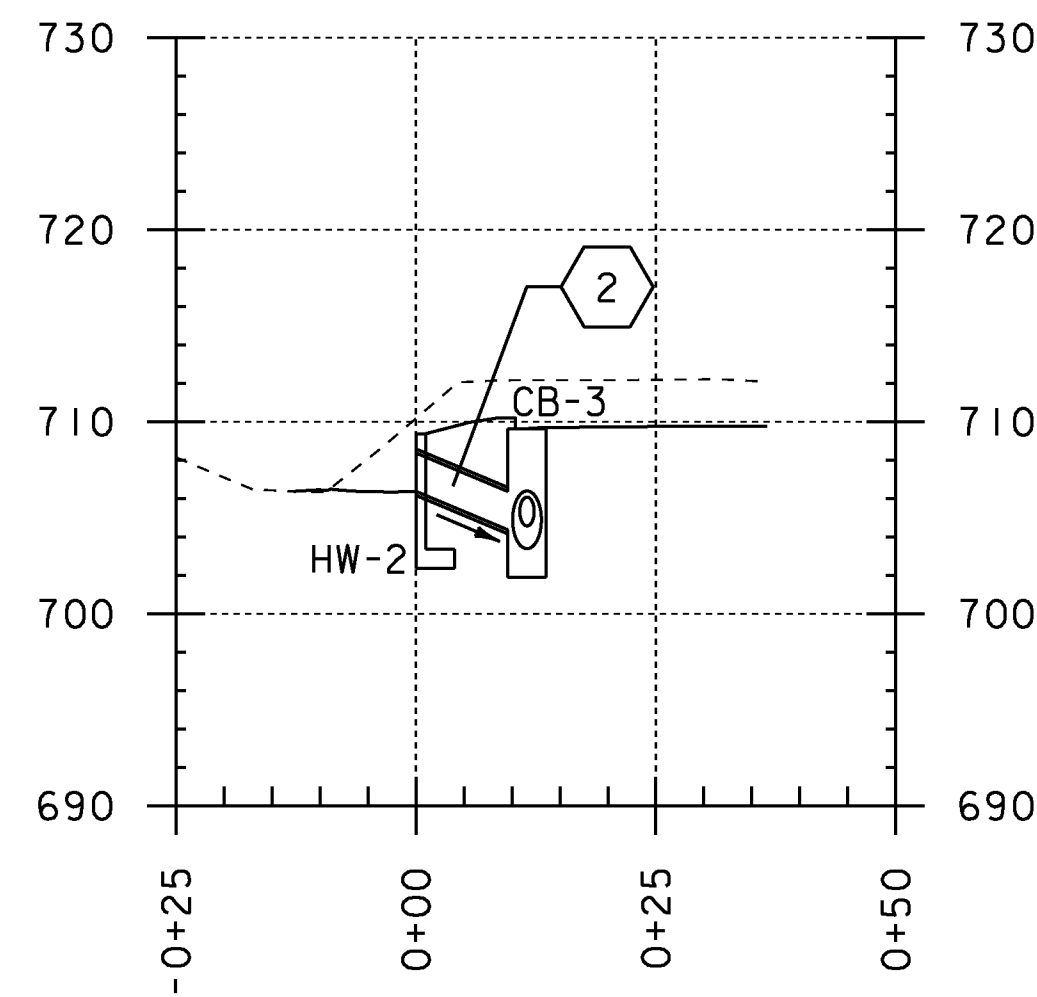
P1



1
SLOPE = 0.50%
NEW PIPE
TYPE: OPTION PIPE
LENGTH = 61.71'
DIAMETER = 18.00"
INV. IN = 704.86'
INV. OUT = 704.57'

CB-1
GRATE: TYPE D
RIM EL = 709.53'
DEPTH = 6.17'

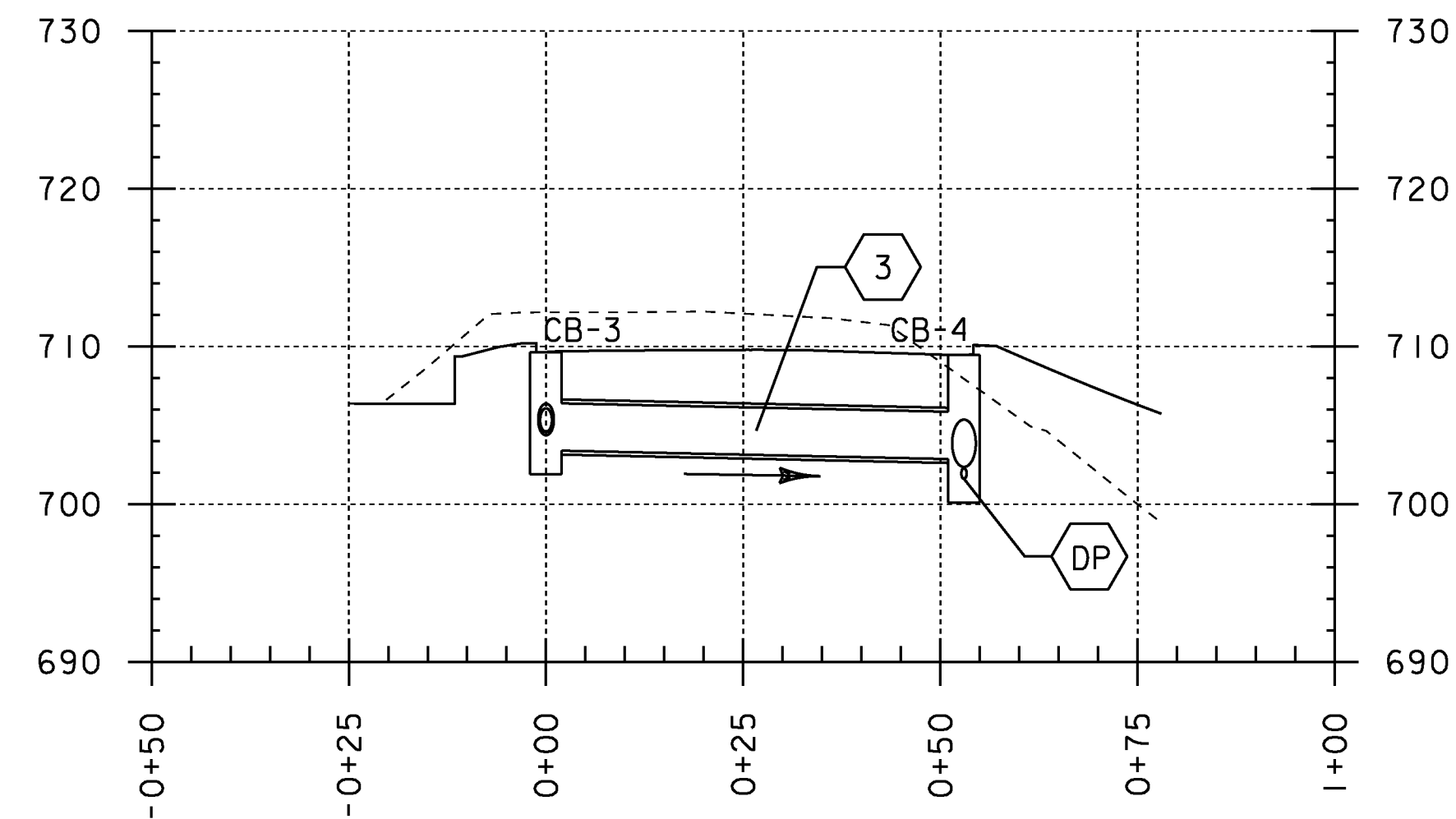
P2



2
SLOPE = 20.93%
NEW PIPE
TYPE: OPTION PIPE
LENGTH = 11.83'
DIAMETER = 24.00"
INV. IN = 706.37'
INV. OUT = 704.37'

CB-3

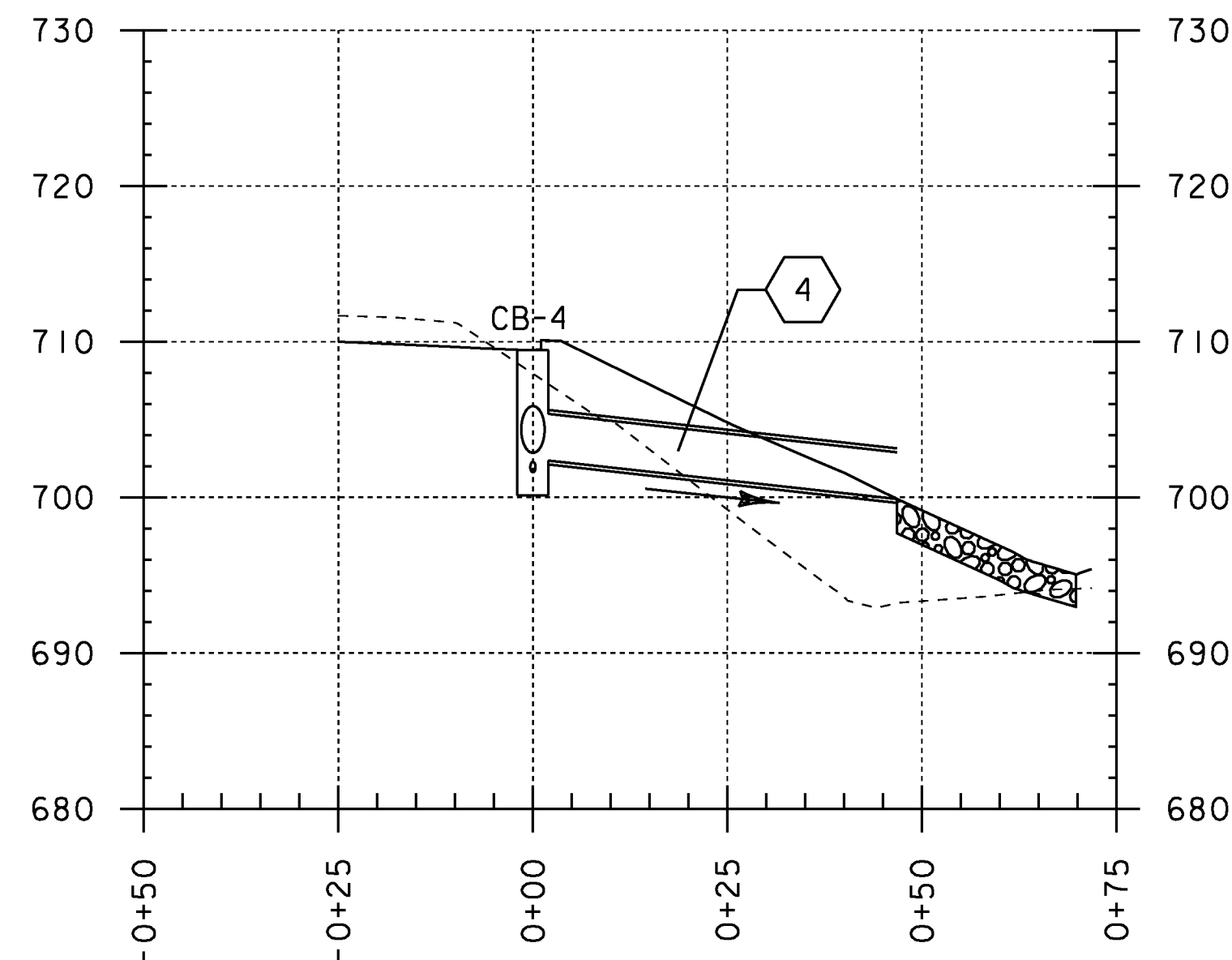
P3



3
SLOPE = 1.08%
NEW PIPE
TYPE: OPTION PIPE
LENGTH = 52.99'
DIAMETER = 36.00"
INV. IN = 703.39'
INV. OUT = 702.86'

CB-3
GRATE: TYPE D
RIM EL = 709.64'
DEPTH = 7.75'

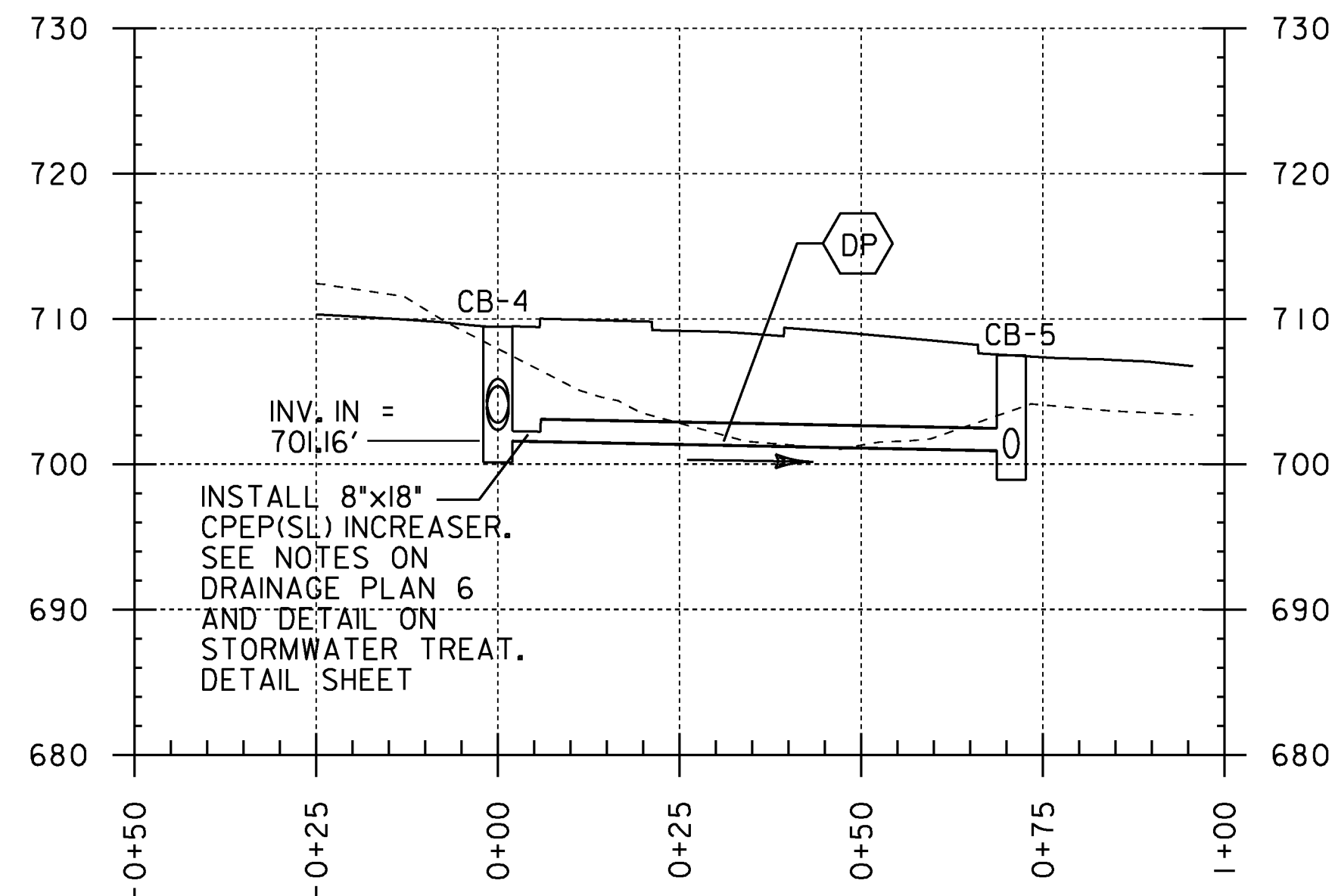
P4



4
SLOPE = 5.51%
NEW PIPE
TYPE: CPEP
LENGTH = 46.86'
DIAMETER = 36.00"
INV. IN = 702.36'
INV. OUT = 699.89'

CB-4
GRATE: TYPE D
RIM EL = 709.45'
DEPTH = 9.34'

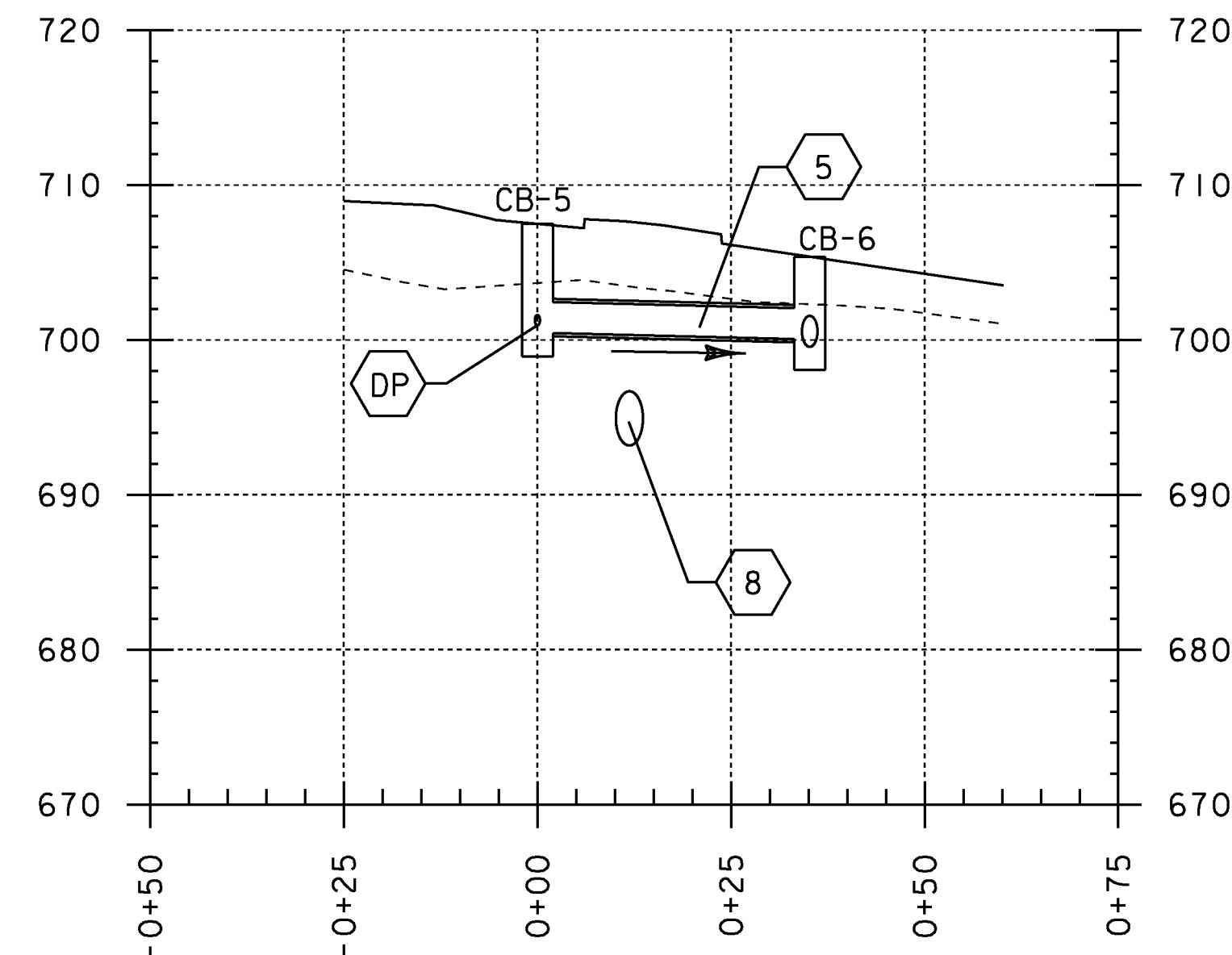
DP



INV. IN = 701.16'
INSTALL 8"x18" CPEP(SL) INCREASER. SEE NOTES ON DRAINAGE PLAN 6 AND DETAIL ON STORMWATER TREAT. DETAIL SHEET

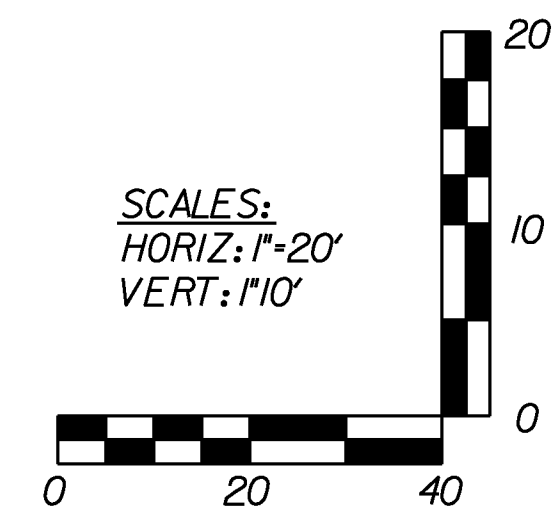
DP
SLOPE = 1.00%
NEW PIPE
TYPE: CPEP
LENGTH = 70.66'
DIAMETER = 18.00"
INV. IN = 701.61'
INV. OUT = 700.94'
INSTALL 8"x18" INCREASER AT INLET

P5



5
SLOPE = 1.25%
NEW PIPE
TYPE: OPTION PIPE
LENGTH = 35.16'
DIAMETER = 24.00"
INV. IN = 700.44'
INV. OUT = 700.05'

CB-5
GRATE: TYPE D
RIM EL = 707.49'
DEPTH = 8.55'

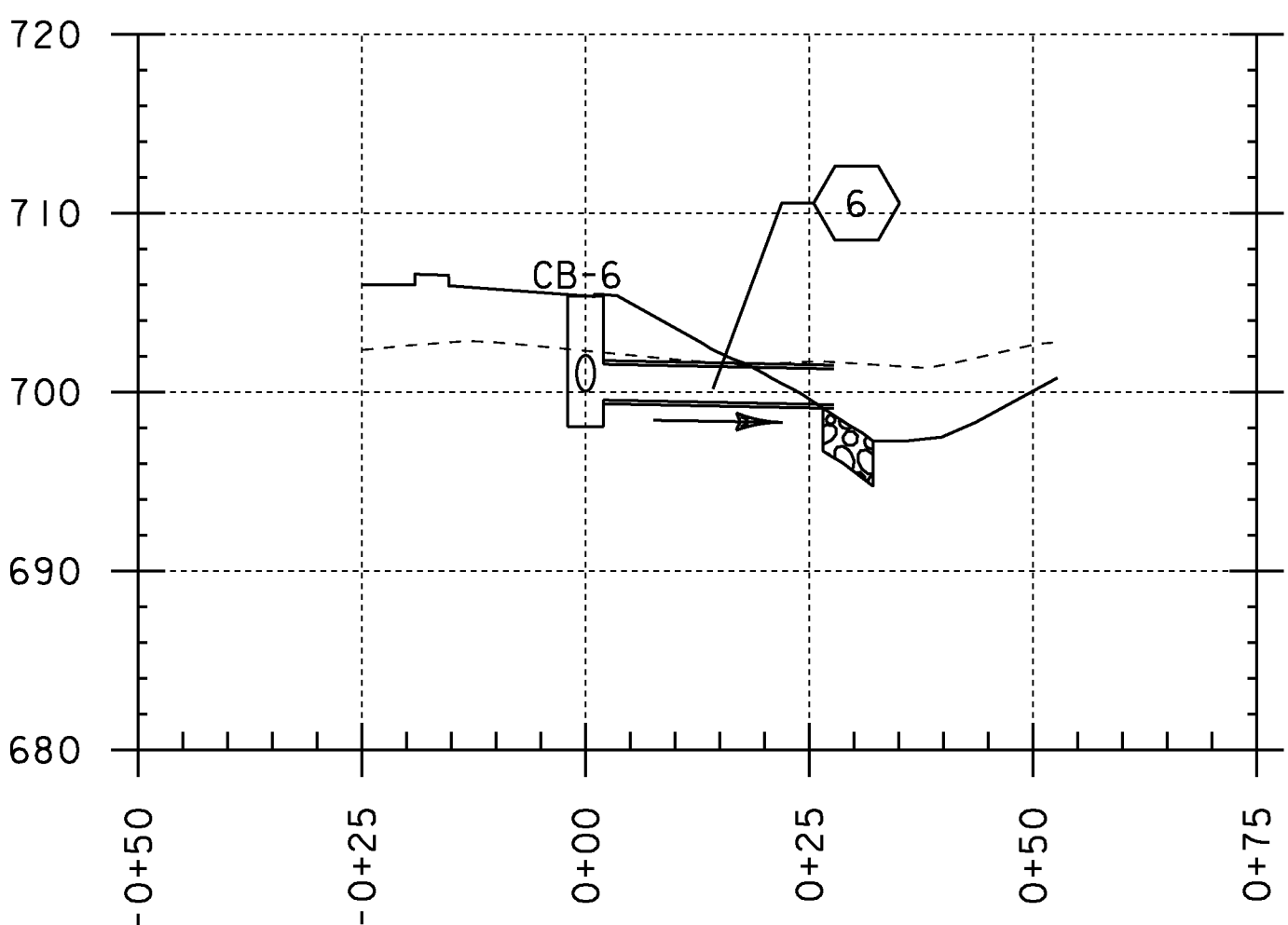


PROJECT NAME: HYDE PARK
PROJECT NUMBER: HES 030-2(23)

FILE NAME: t08bl26pro-drn.dgn
PROJECT LEADER: JLS
DESIGNED BY: MBL
DRAINAGE PROFILE 1

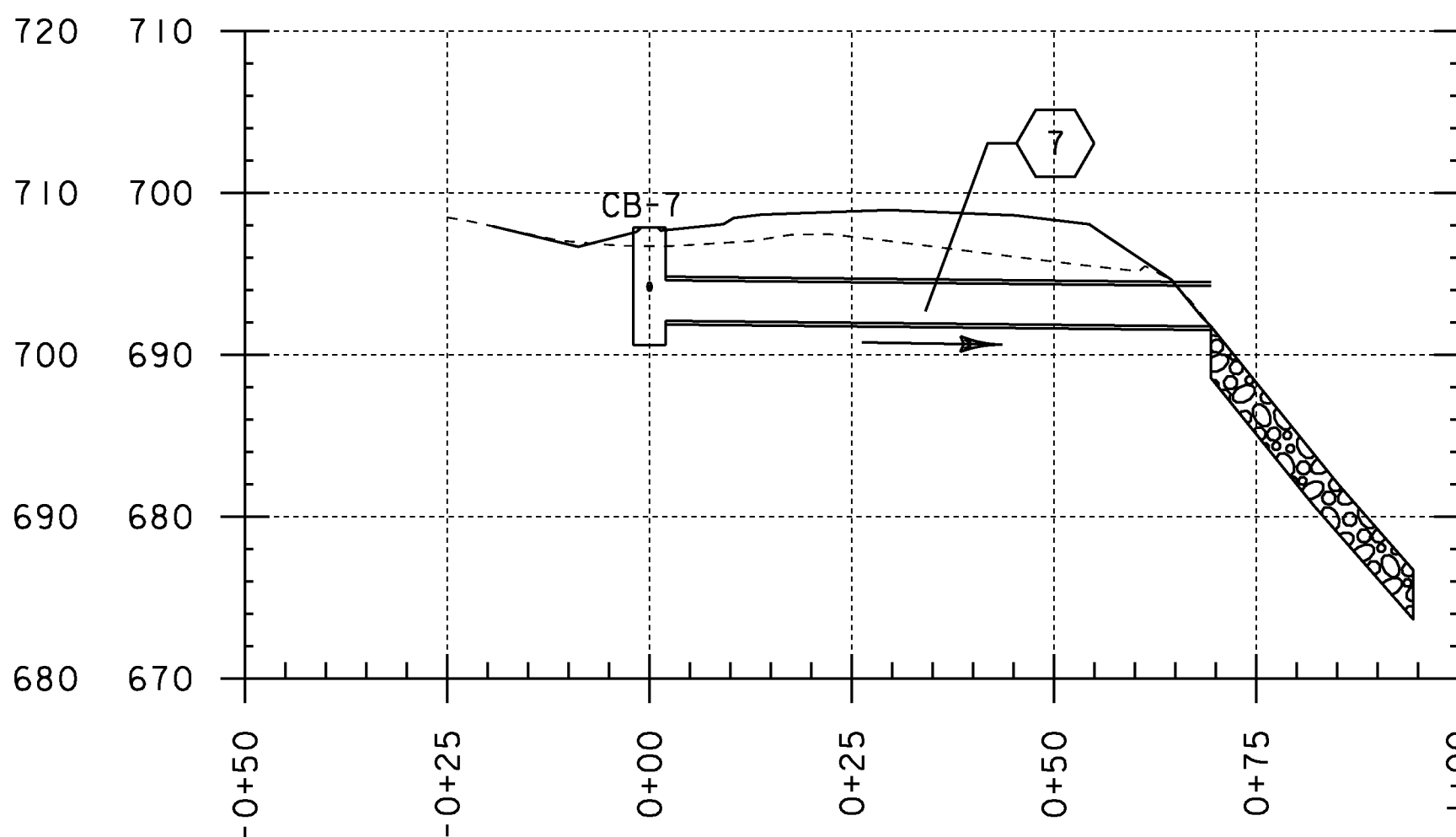
PLOT DATE: 08-DEC-2010
DRAWN BY: MBL
CHECKED BY: JAD
SHEET 31 OF 100

P6



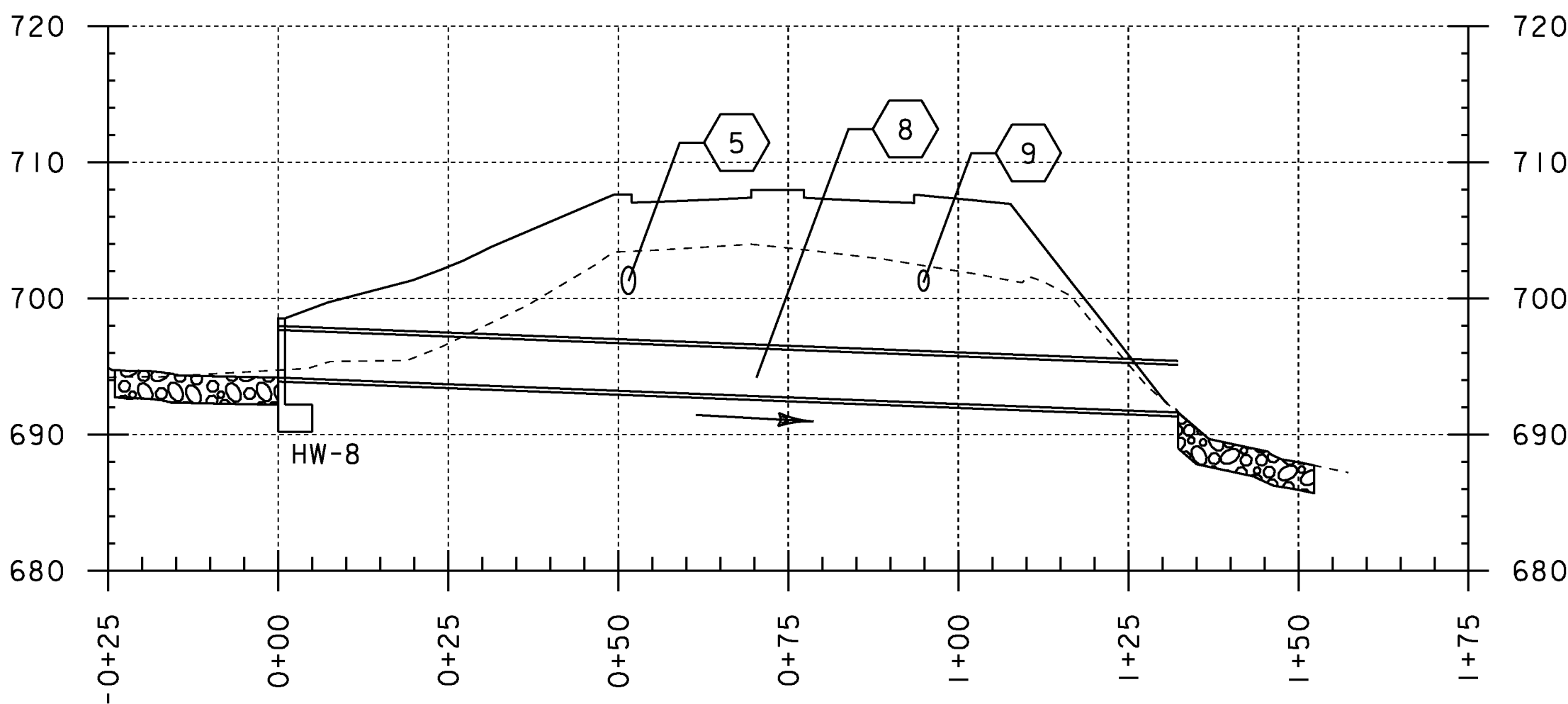
6
SLOPE = 1.00%
NEW PIPE
TYPE: OPTION PIPE
LENGTH = 27.72'
DIAMETER = 24.00"
INV. IN = 699.55'
INV. OUT = 699.29'
CB-6
GRATE: TYPE D
RIM EL = 705.37'
DEPTH = 7.32'

P7



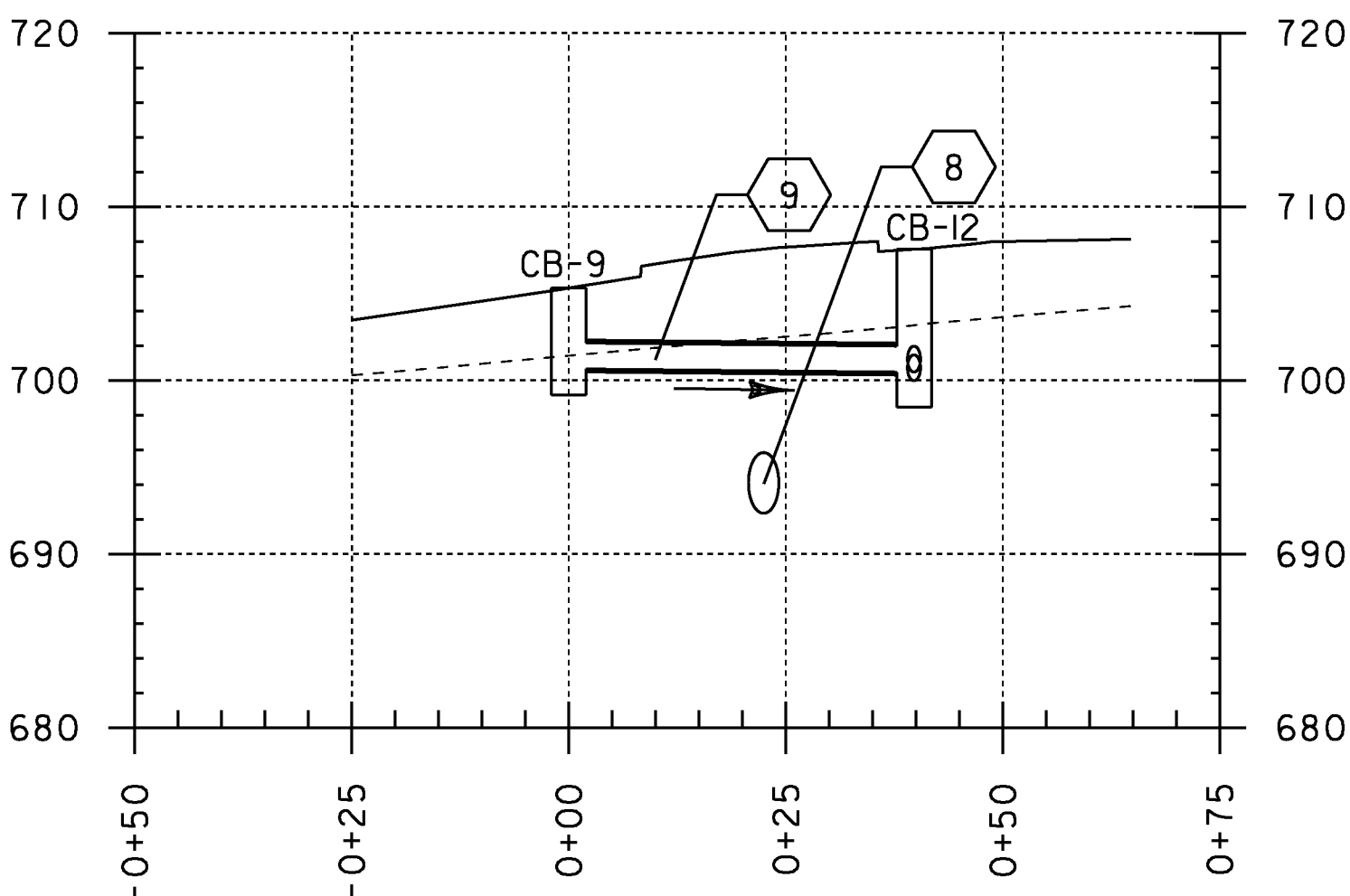
7
SLOPE = 0.50%
NEW PIPE
TYPE: OPTION PIPE
LENGTH = 69.41'
DIAMETER = 30.00"
INV. IN = 692.10'
INV. OUT = 691.75'
CB-7
GRATE: TYPE A
RIM EL = 697.85'
DEPTH = 7.25'

P8



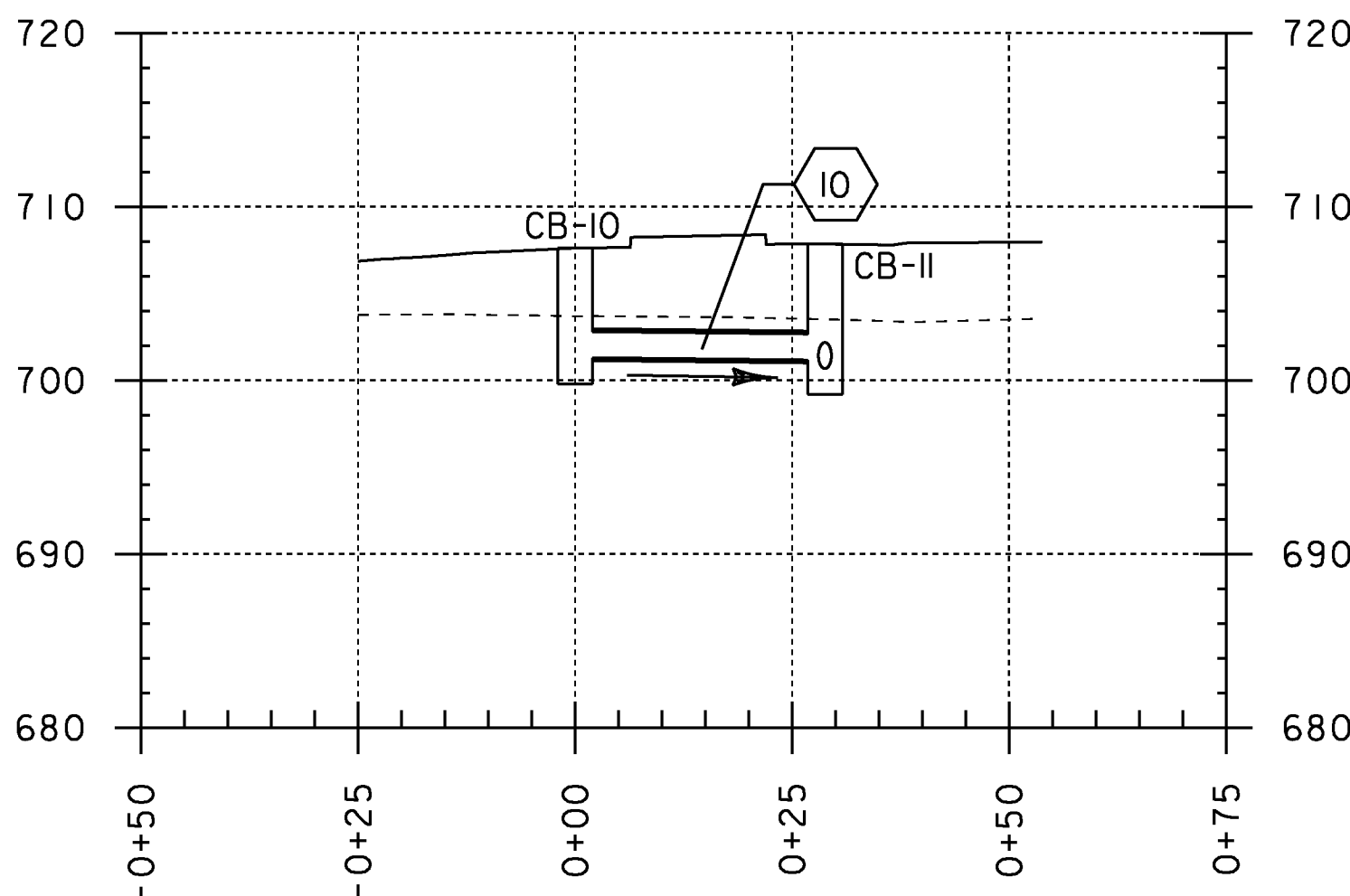
8
SLOPE = 1.94%
NEW PIPE
TYPE: OPTION PIPE
LENGTH = 132.35'
DIAMETER = 42.00"
INV. IN = 694.18'
INV. OUT = 691.61'
HW-8

P9



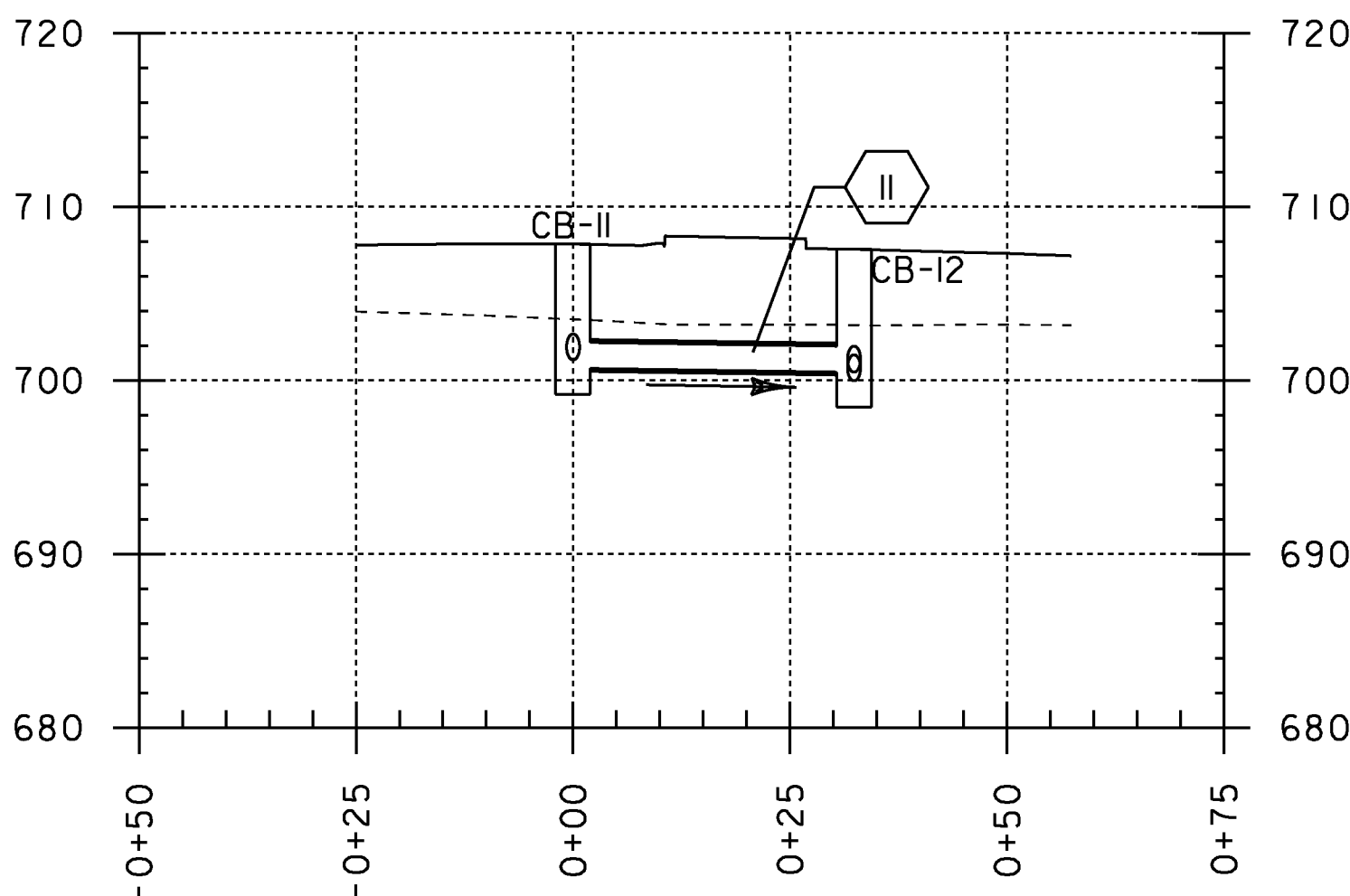
9
SLOPE = 0.50%
NEW PIPE
TYPE: OPTION PIPE
LENGTH = 39.76'
DIAMETER = 18.00"
INV. IN = 700.65'
INV. OUT = 700.47'
CB-9
GRATE: TYPE D
RIM EL = 705.32'
DEPTH = 6.17'

P10

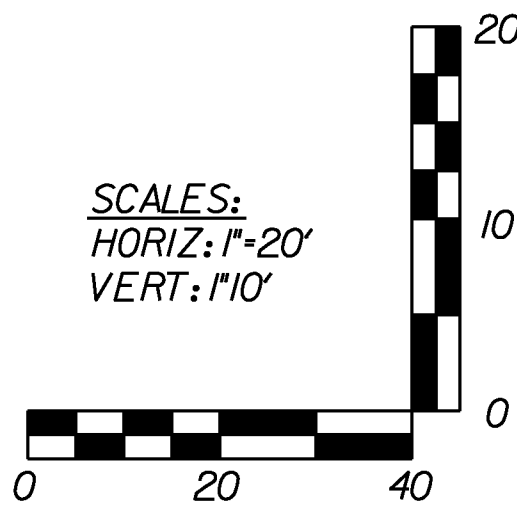


10
SLOPE = 0.50%
NEW PIPE
TYPE: OPTION PIPE
LENGTH = 28.79'
DIAMETER = 18.00"
INV. IN = 701.30'
INV. OUT = 701.17'
CB-10
GRATE: TYPE D
RIM EL = 707.61'
DEPTH = 7.81'

P11



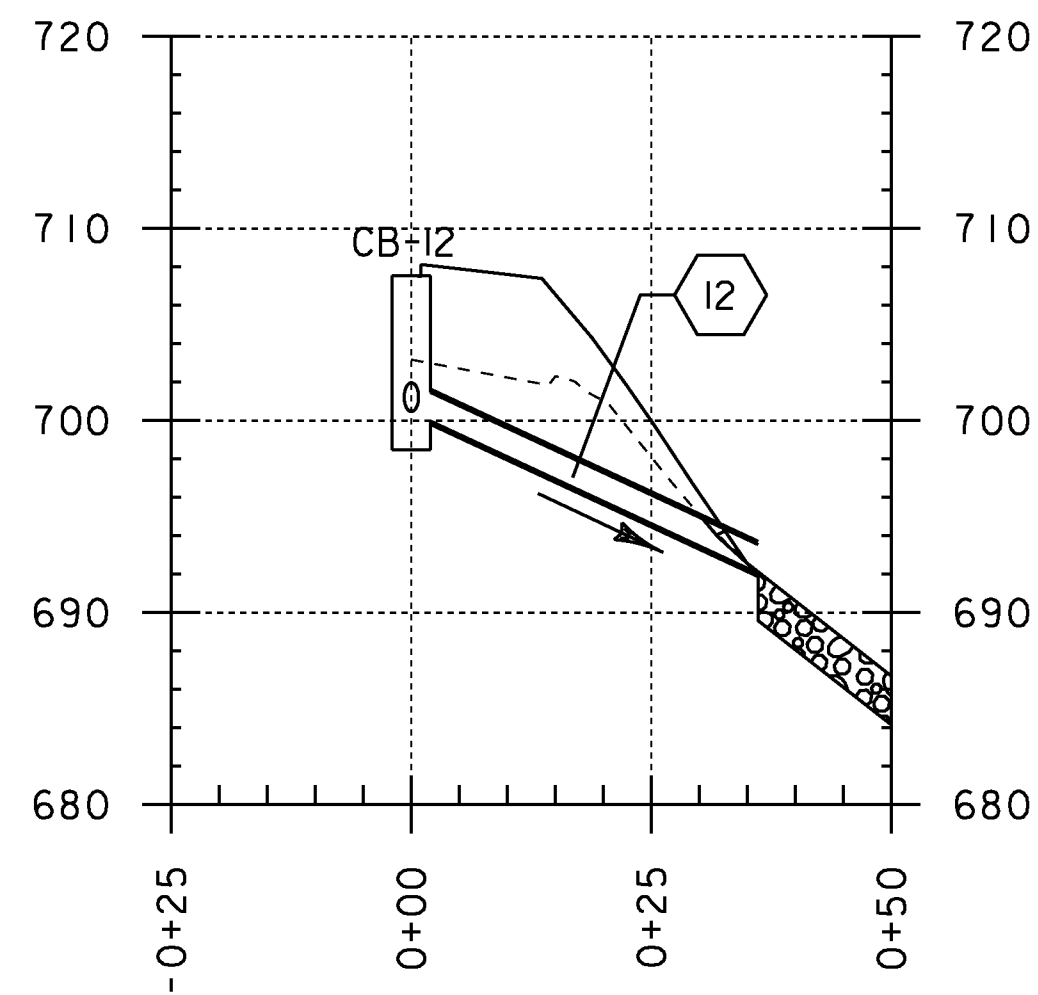
11
SLOPE = 0.73%
NEW PIPE
TYPE: OPTION PIPE
LENGTH = 32.37'
DIAMETER = 18.00"
INV. IN = 700.68'
INV. OUT = 700.47'
CB-11
GRATE: TYPE D
RIM EL = 707.85'
DEPTH = 8.67'



PROJECT NAME: HYDE PARK
PROJECT NUMBER: HES 030-2(23)

FILE NAME: +08b126pro-drn.dgn
PROJECT LEADER: JLS
DESIGNED BY: MBL
DRAINAGE PROFILE 2
PLOT DATE: 08-DEC-2010
DRAWN BY: MBL
CHECKED BY: JAD
SHEET 32 OF 100

P12



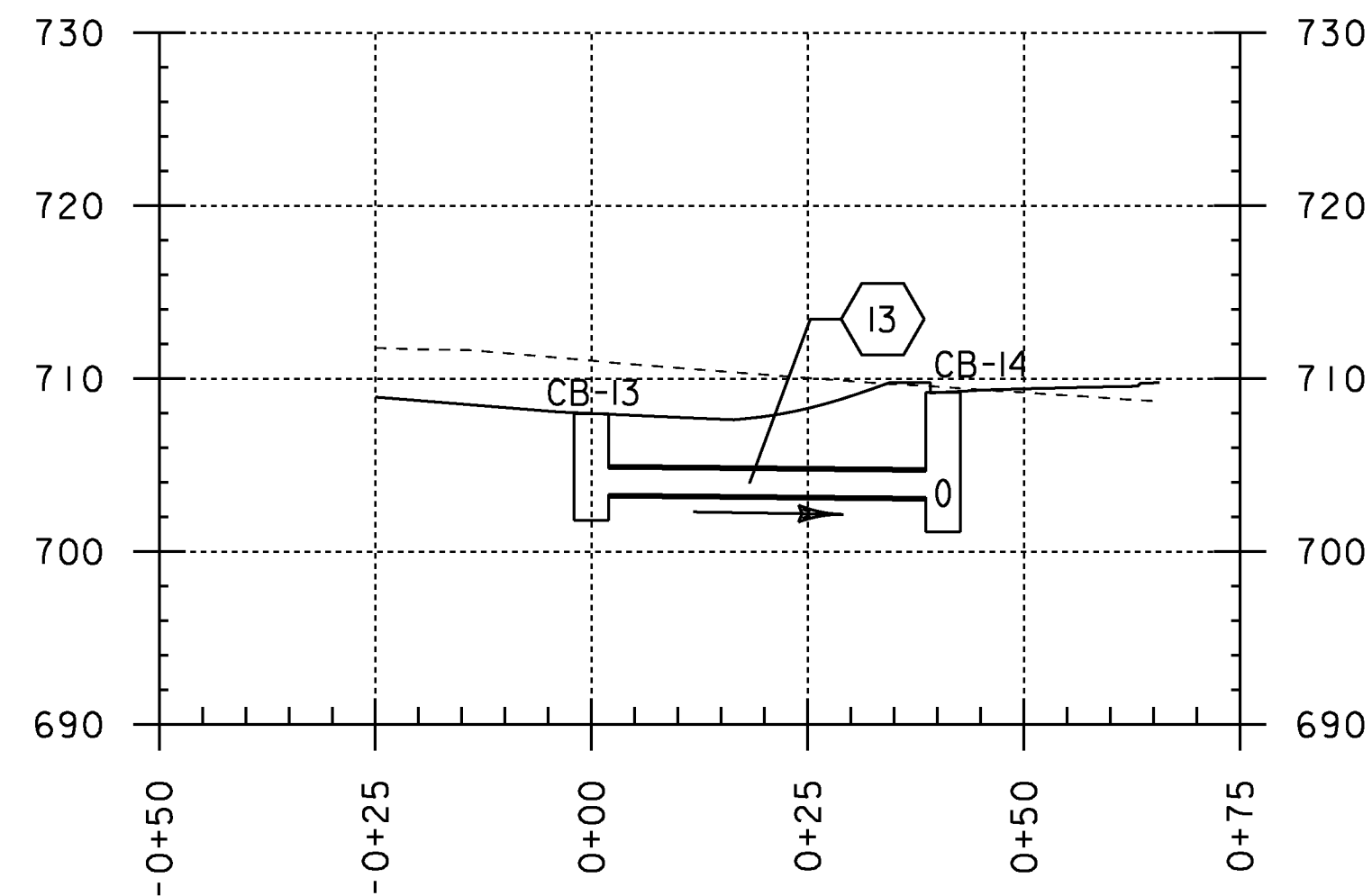
12

CB-12

SLOPE = 23.22%
NEW PIPE
TYPE: CPEP
LENGTH = 37.06'
DIAMETER = 18.00"
INV. IN = 699.97'
INV. OUT = 692.05'

GRATE: TYPE D
RIM EL = 707.55'
DEPTH = 9.08'

P13



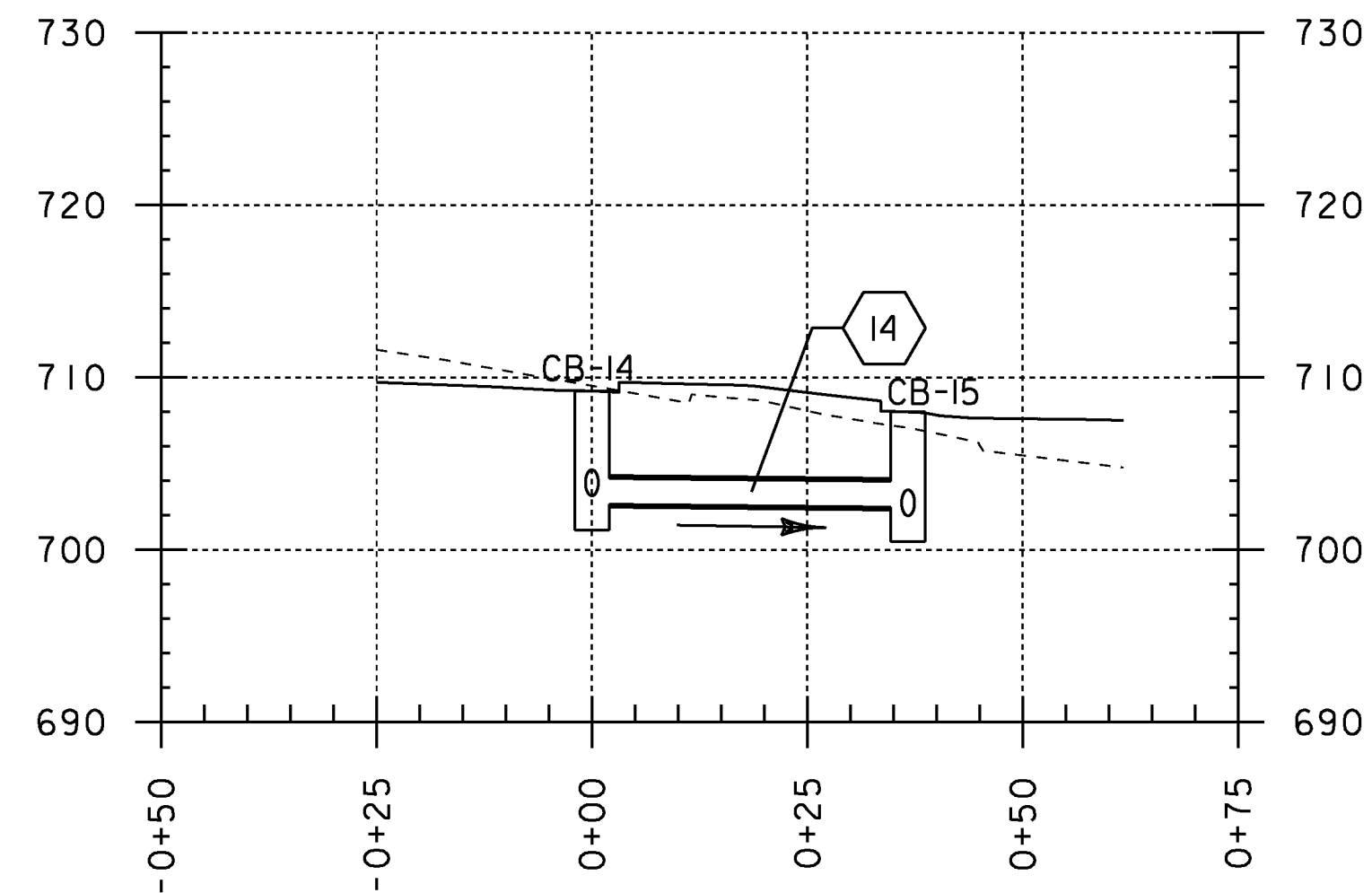
13

CB-13

SLOPE = 0.50%
NEW PIPE
TYPE: OPTION PIPE
LENGTH = 40.65'
DIAMETER = 18.00"
INV. IN = 703.32'
INV. OUT = 703.14'

GRATE: TYPE A
RIM EL = 707.99'
DEPTH = 6.17'

P14



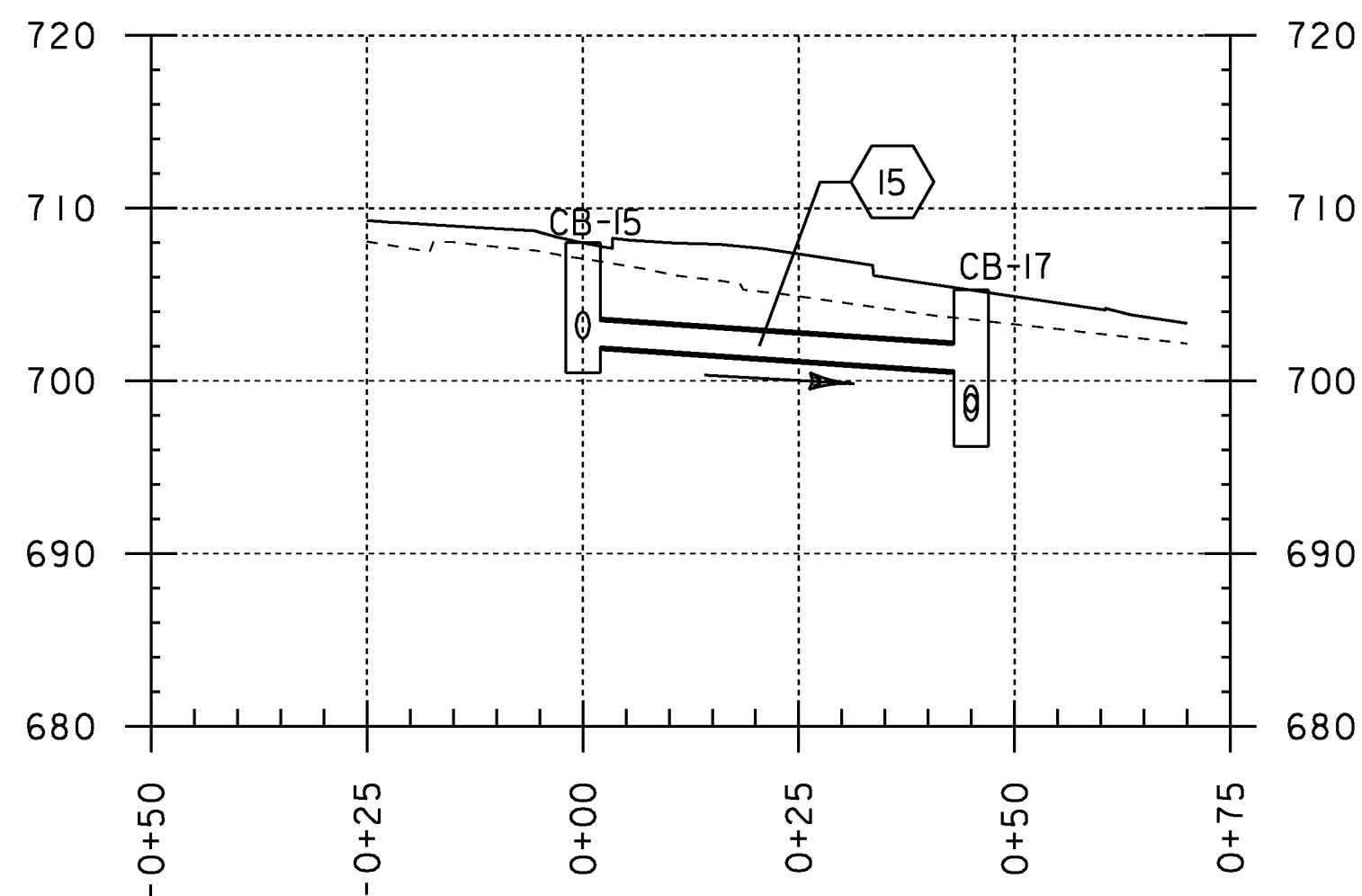
14

CB-14

SLOPE = 0.50%
NEW PIPE
TYPE: OPTION PIPE
LENGTH = 36.71'
DIAMETER = 18.00"
INV. IN = 702.64'
INV. OUT = 702.48'

GRATE: TYPE D
RIM EL = 709.22'
DEPTH = 8.08'

P15



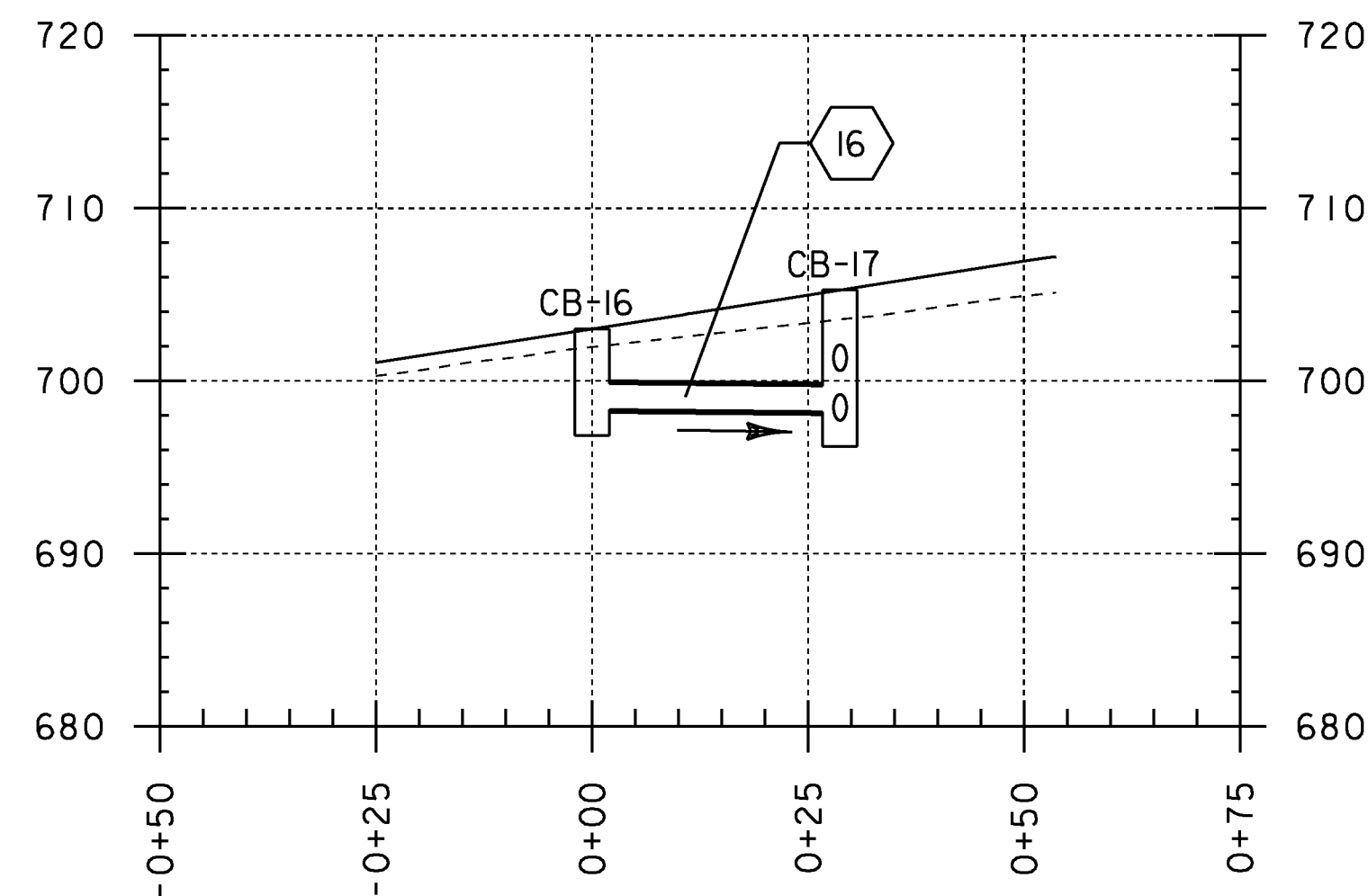
15

CB-15

SLOPE = 3.38%
NEW PIPE
TYPE: OPTION PIPE
LENGTH = 44.98'
DIAMETER = 18.00"
INV. IN = 701.98'
INV. OUT = 700.59'

GRATE: TYPE D
RIM EL = 708.00'
DEPTH = 7.52'

P16



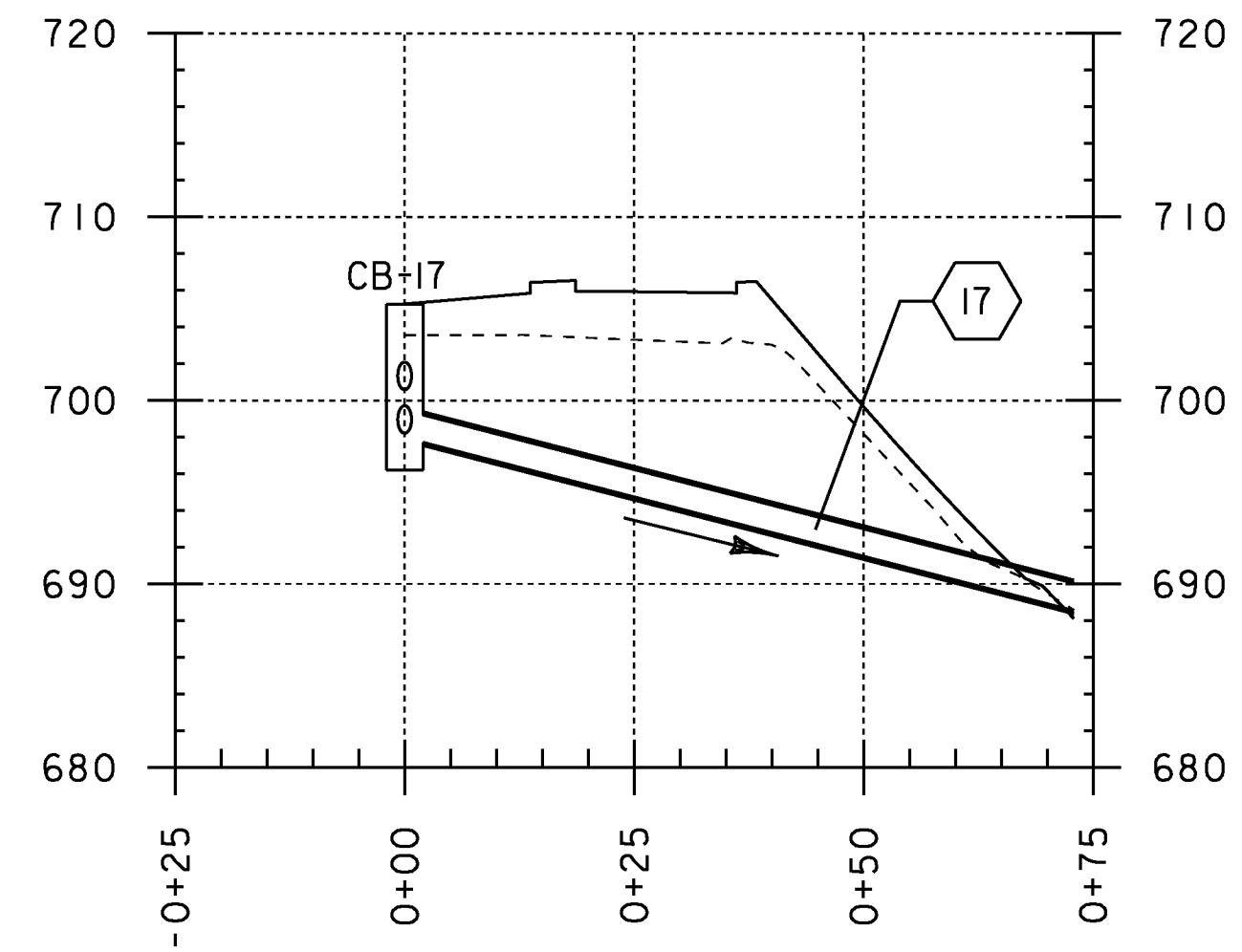
16

CB-16

SLOPE = 0.50%
NEW PIPE
TYPE: OPTION PIPE
LENGTH = 28.71'
DIAMETER = 18.00"
INV. IN = 698.34'
INV. OUT = 698.22'

GRATE: TYPE D
RIM EL = 703.01'
DEPTH = 6.17'

P17

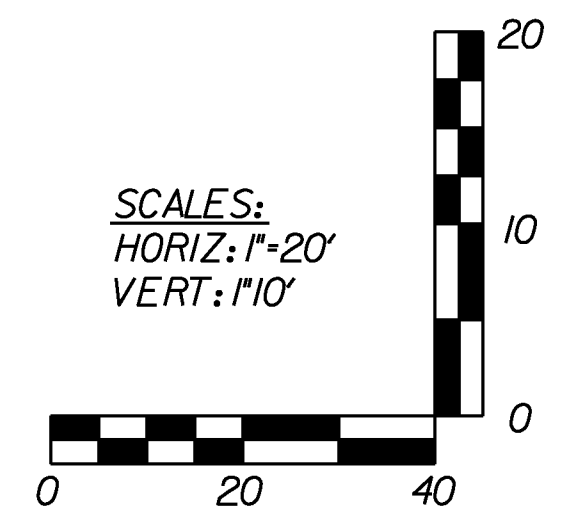


17

CB-17

SLOPE = 12.93%
NEW PIPE
TYPE: OPTION PIPE
LENGTH = 73.51'
DIAMETER = 18.00"
INV. IN = 697.72'
INV. OUT = 688.55'

GRATE: TYPE D
RIM EL = 705.26'
DEPTH = 9.04'

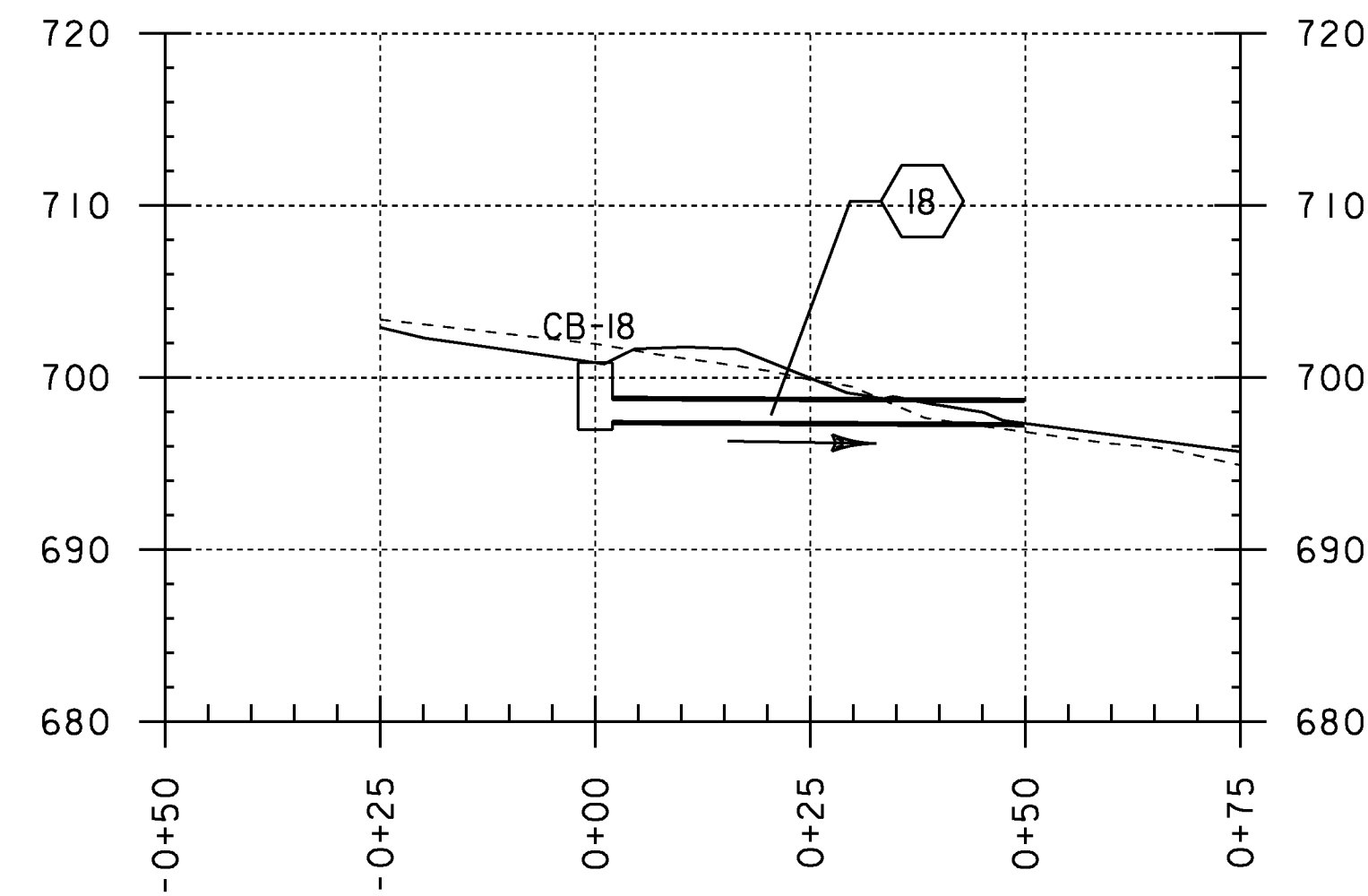


PROJECT NAME: HYDE PARK
PROJECT NUMBER: HES 030-2(23)

FILE NAME: +08bl26pro-drn.dgn
PROJECT LEADER: JLS
DESIGNED BY: MBL
DRAINAGE PROFILE 3

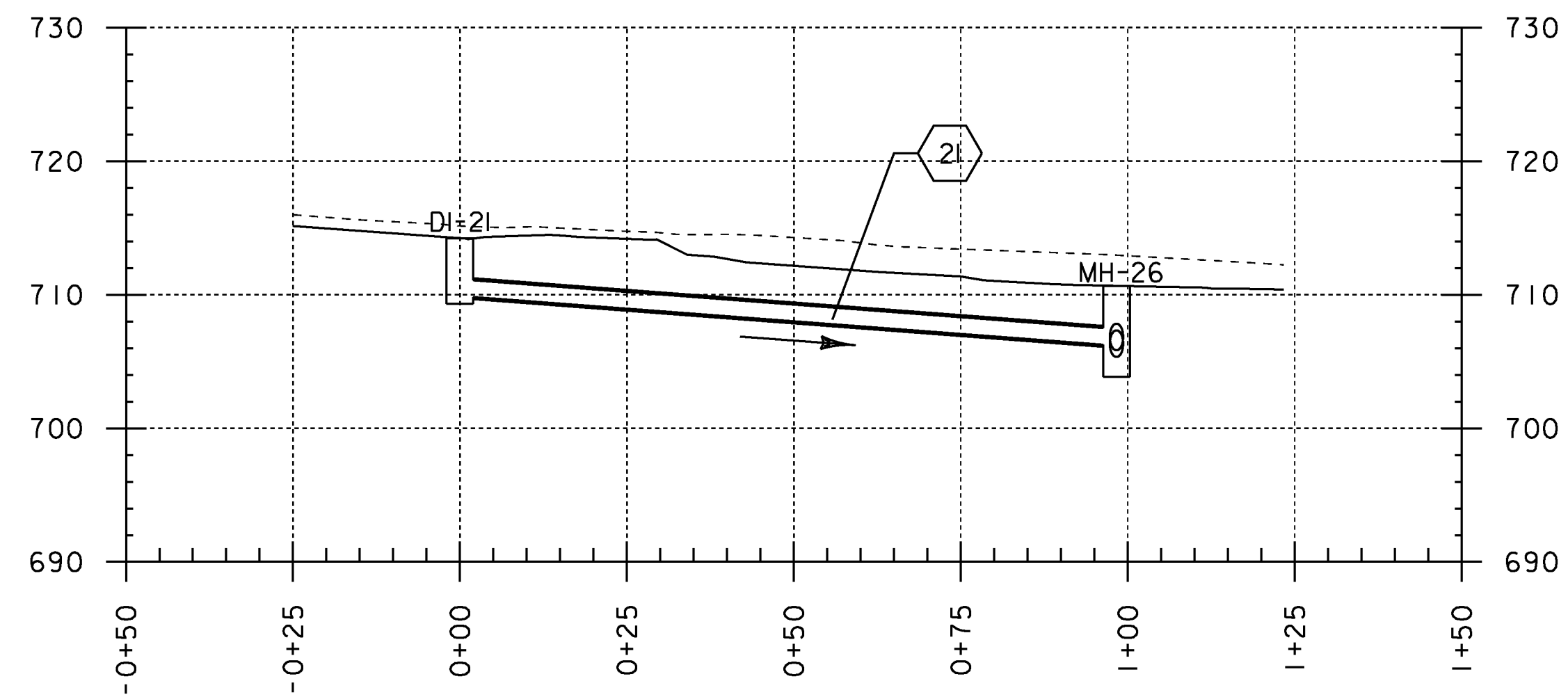
PLOT DATE: 08-DEC-2010
DRAWN BY: MBL
CHECKED BY: JAD
SHEET 33 OF 100

P18



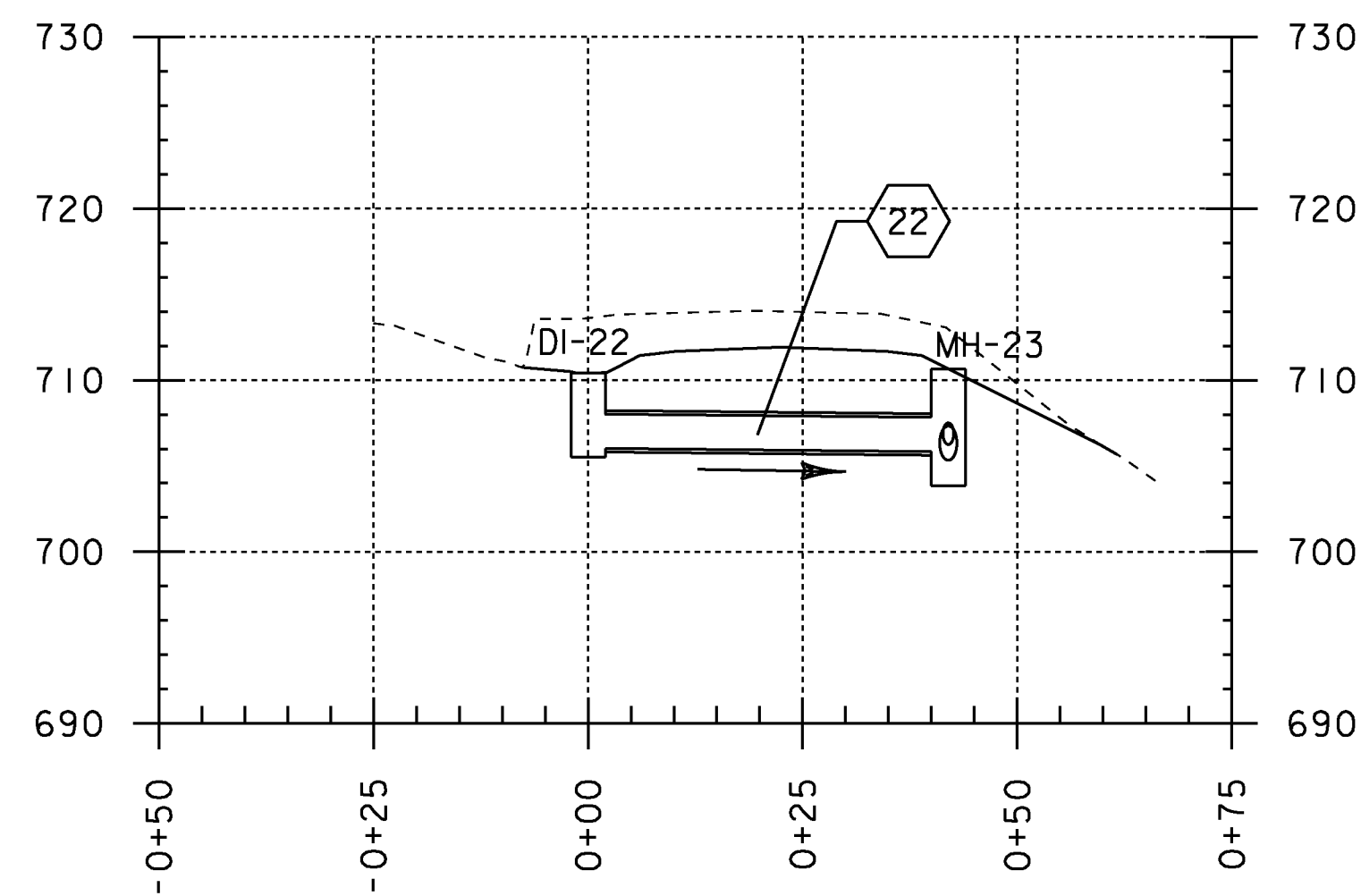
18
SLOPE = 0.24%
NEW PIPE
TYPE: OPTION PIPE
LENGTH = 49.87'
DIAMETER = 15.00"
INV. IN = 697.46'
INV. OUT = 697.35'
GRATE: TYPE A
RIM EL = 700.87'
DEPTH = 3.91'

P21



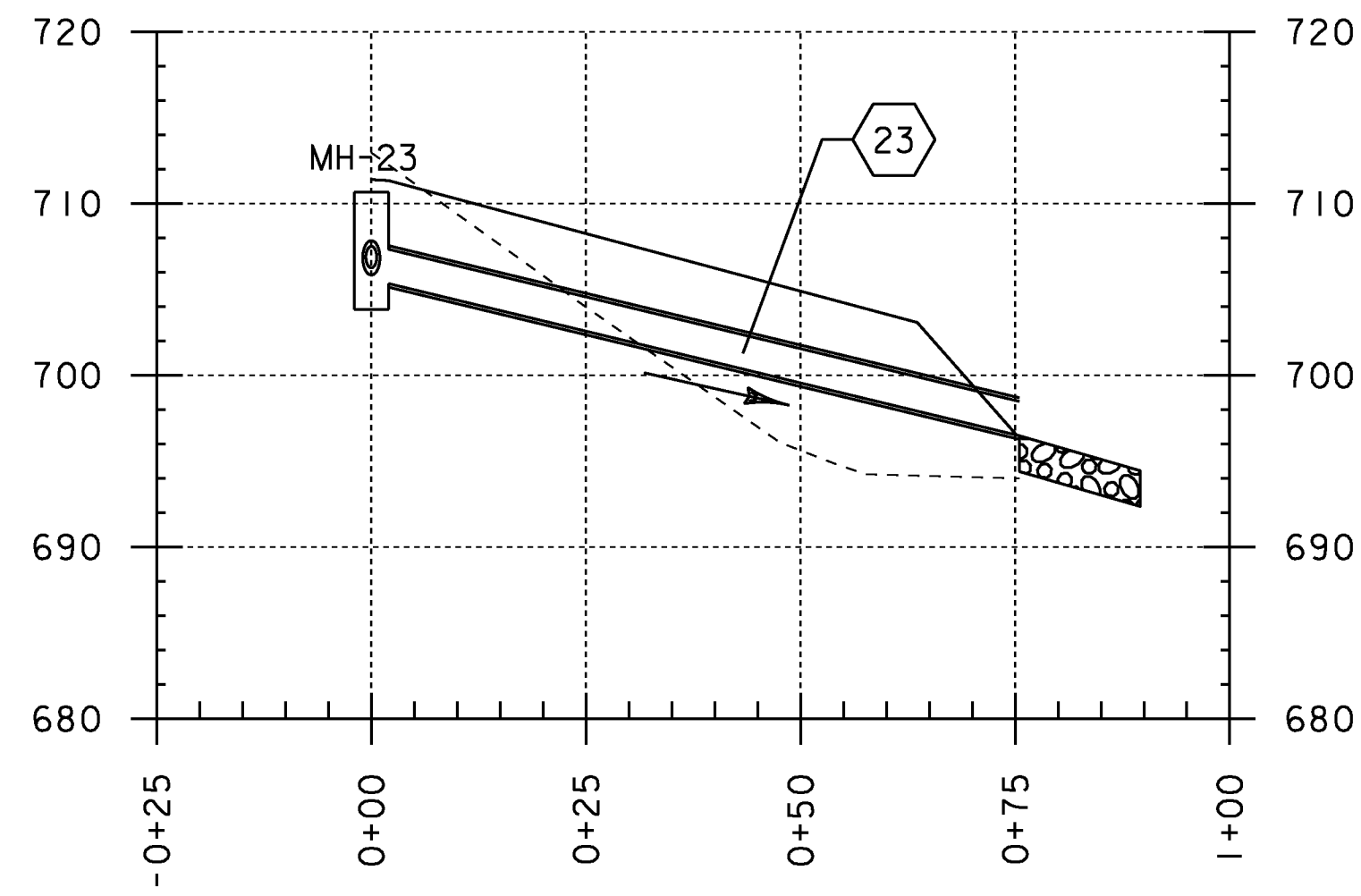
21
SLOPE = 3.78%
NEW PIPE
TYPE: OPTION PIPE
LENGTH = 98.38'
DIAMETER = 15.00"
INV. IN = 709.83'
INV. OUT = 706.26'
GRATE: TYPE A
RIM EL = 714.23'
DEPTH = 4.91'

P22

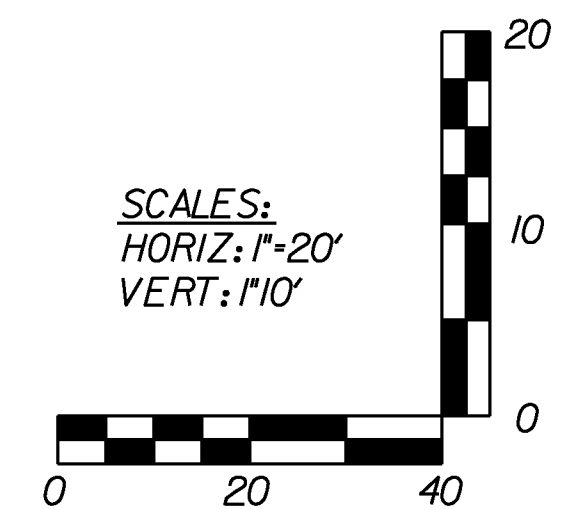


22
SLOPE = 0.50%
NEW PIPE
TYPE: OPTION PIPE
LENGTH = 41.96'
DIAMETER = 24.00"
INV. IN = 706.03'
INV. OUT = 705.84'
GRATE: TYPE A
RIM EL = 710.43'
DEPTH = 4.91'

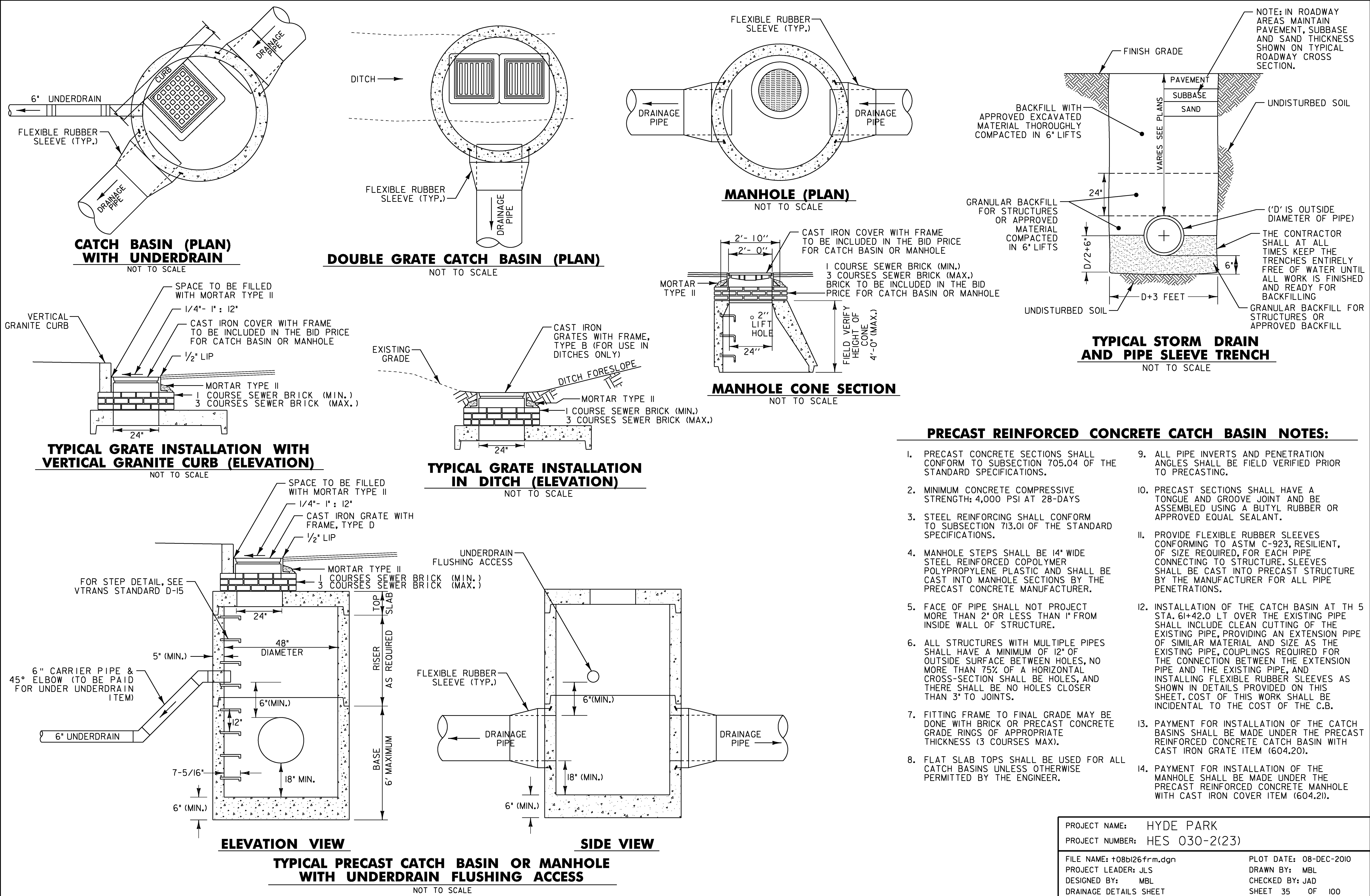
P23

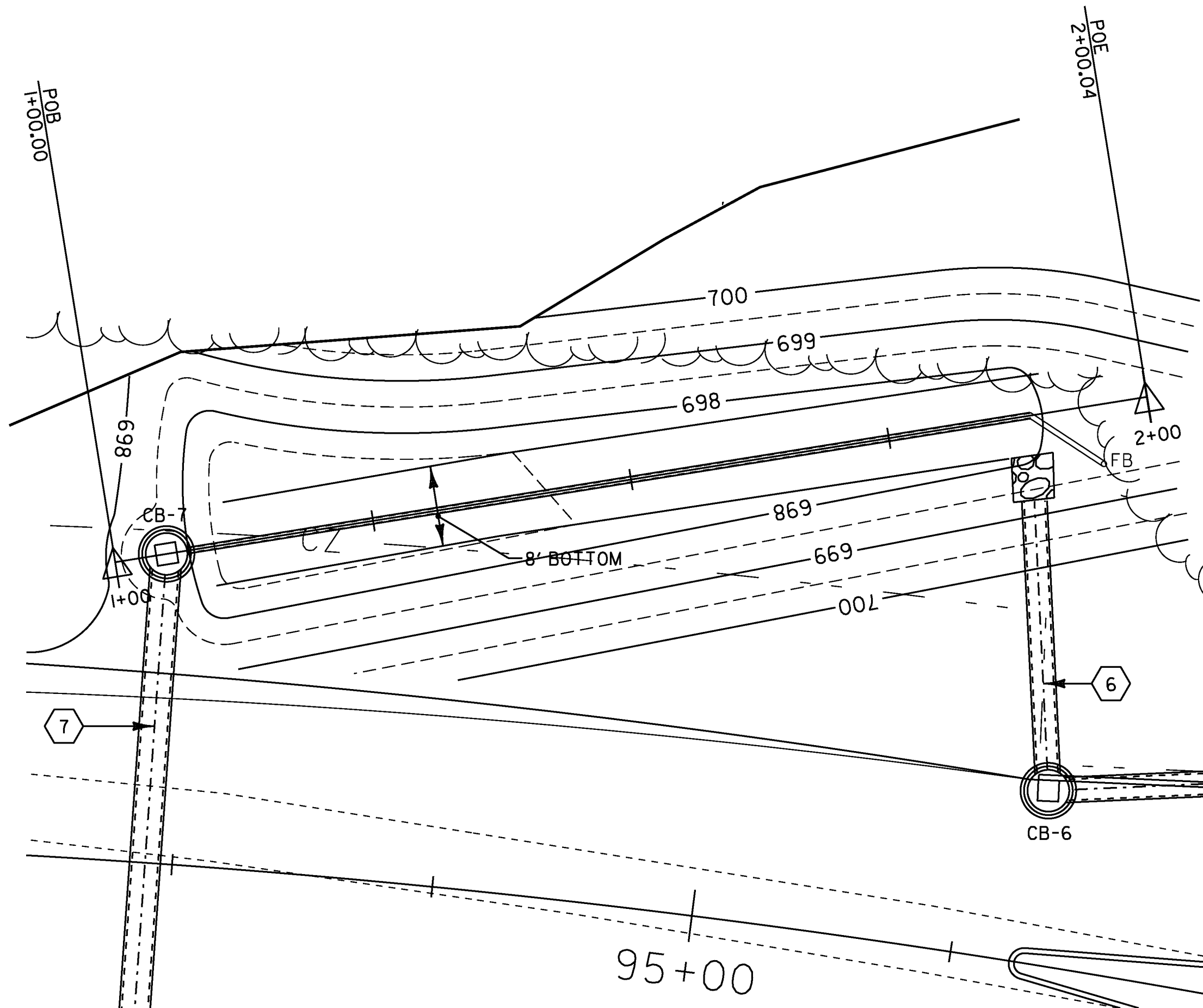


23
SLOPE = 12.06%
NEW PIPE
TYPE: CPEP
LENGTH = 76.03'
DIAMETER = 24.00"
INV. IN = 705.34'
INV. OUT = 696.48'
GRATE: MANHOLE COVER
RIM EL = 710.66'
DEPTH = 6.83'



PROJECT NAME:	HYDE PARK
PROJECT NUMBER:	HES 030-2(23)
FILE NAME:	t08bl26pro-drn.dgn
PROJECT LEADER:	JLS
DESIGNED BY:	MBL
DRAINAGE PROFILE:	4
PLOT DATE:	08-DEC-2010
DRAWN BY:	MBL
CHECKED BY:	JAD
SHEET:	34 OF 100

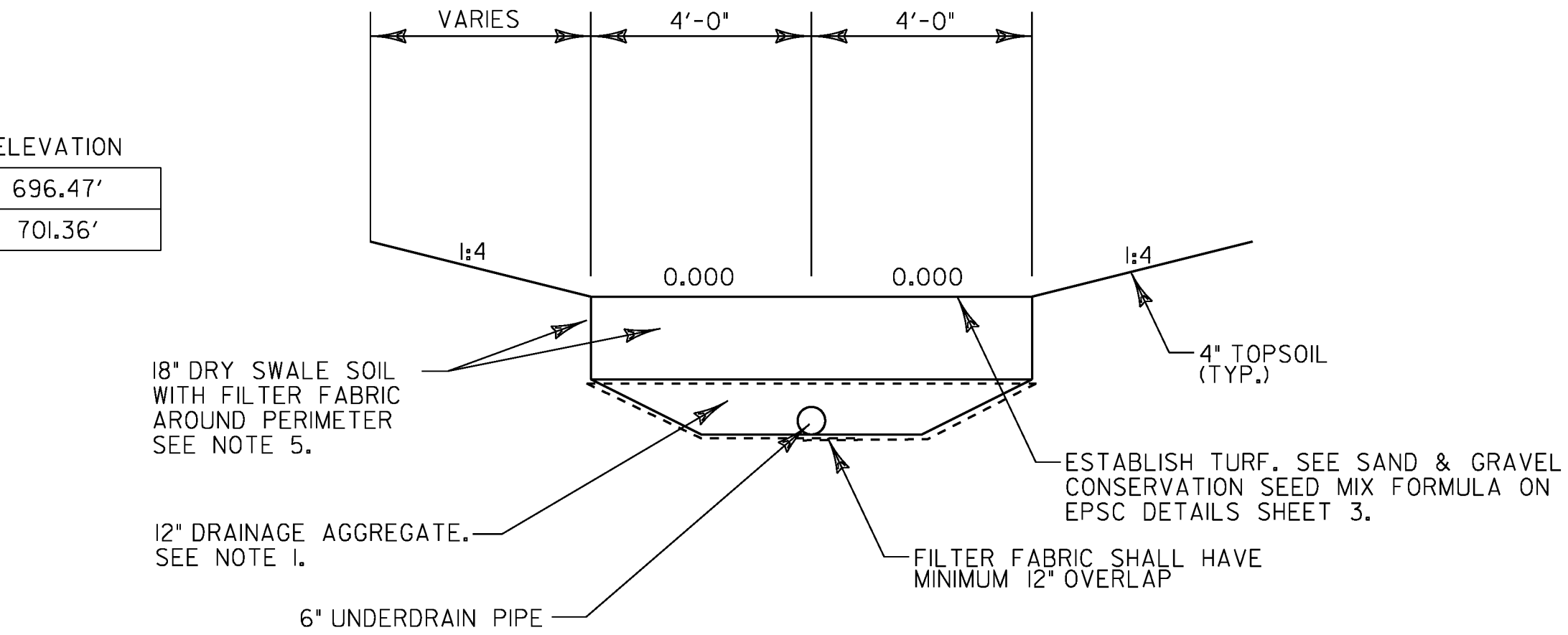




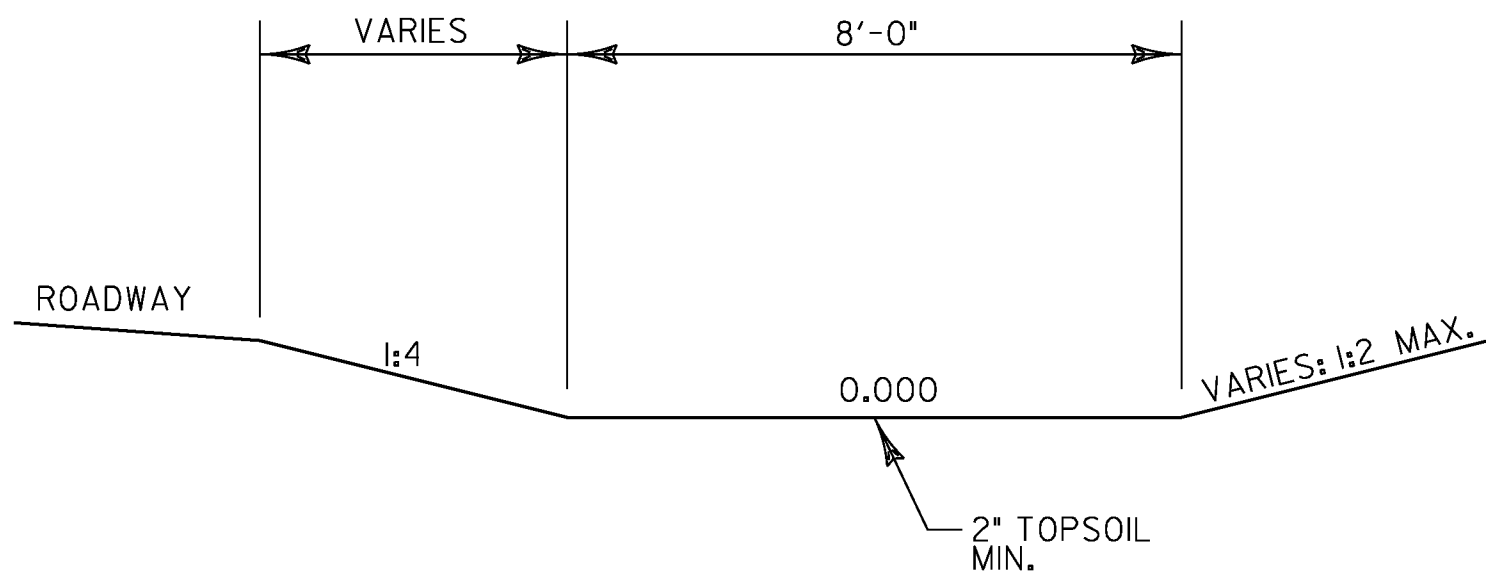
DRY SWALE PLAN
SCALE: 1" = 10'

**DRY SWALE
POINT CONTROL**

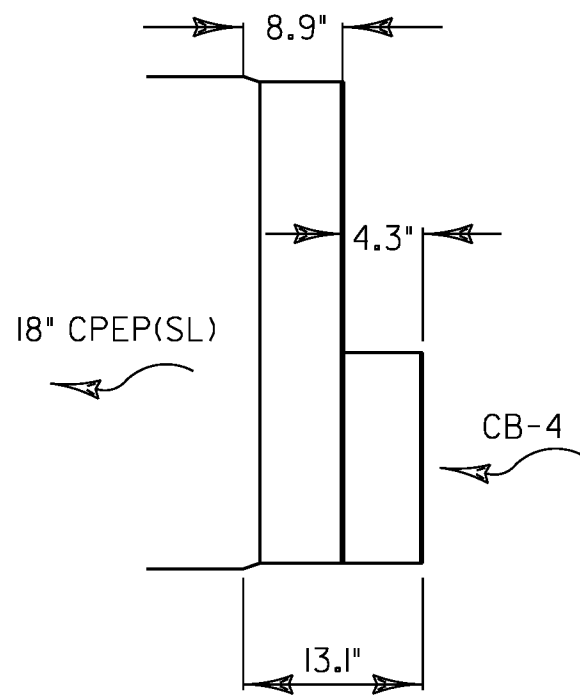
STATION	NORTHING	EASTING	ELEVATION
1+00.0	764549.45	1609986.43	696.47'
2+00.0	764565.27	1610085.21	701.36'



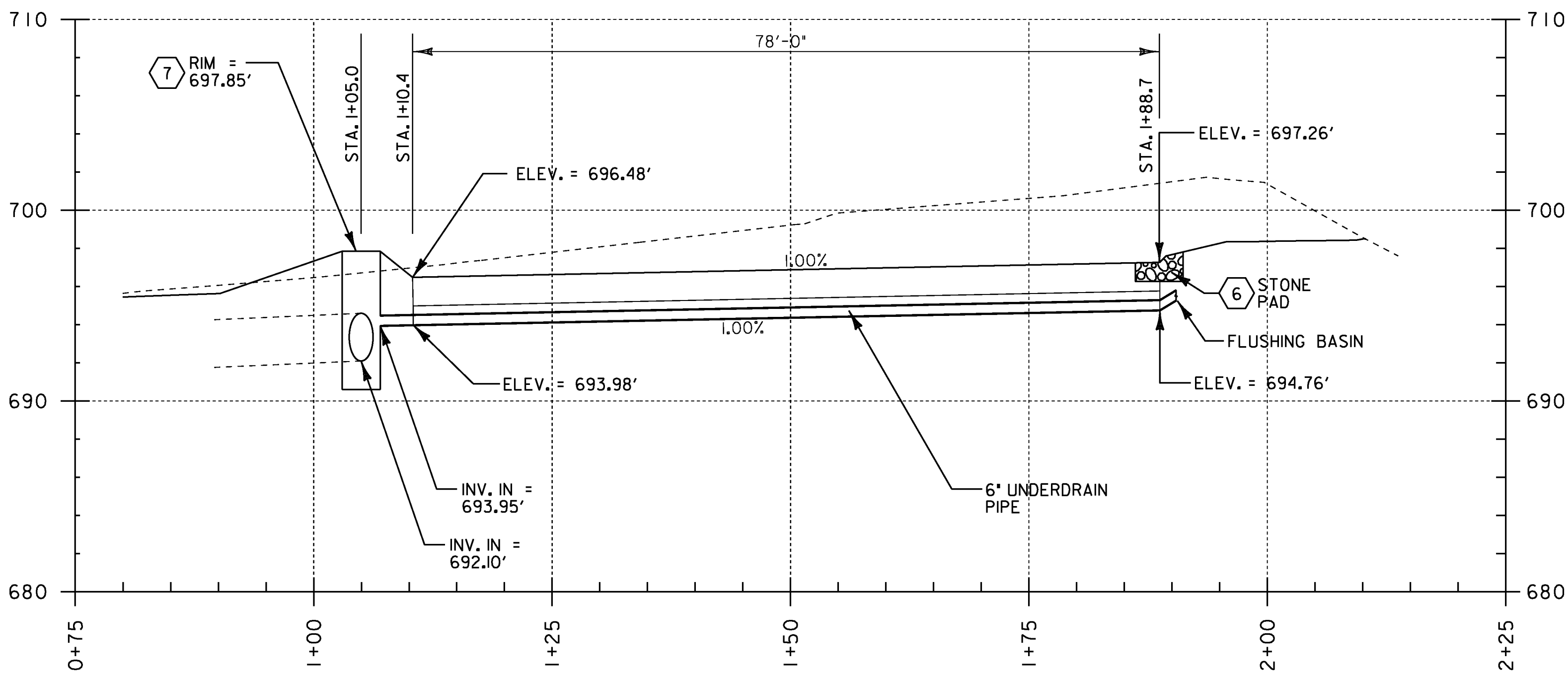
DRY SWALE TYPICAL SECTION
NOT TO SCALE



GRASS CHANNEL TYPICAL SECTION
NOT TO SCALE



STORMWATER DIVERSION INCREASER
NOT TO SCALE



DRY SWALE PROFILE
HORIZONTAL SCALE: 1" = 10'
VERTICAL SCALE: 1" = 5'

- NOTES:
- ALL WORK AND MATERIALS RELATING TO THE DRY SWALE SHALL BE PAID UNDER ITEM NO. 900.640 - SPECIAL PROVISION (6 INCH UNDERDRAIN PIPE, DRY SWALE).
 - ALL WORK AND MATERIALS, EXCEPT FOR THE BACKFILL, RELATING TO THE STORMWATER DIVERSION PIPE AND INCREASER SHALL BE PAID FOR UNDER ITEM NO. 900.620 - SPECIAL PROVISION (STORMWATER DIVERSION PIPE).
 - BACKFILL FOR THE DIVERSION PIPE SHALL BE PAID FOR UNDER ITEM NO. 204.30 - GRANULAR BACKFILL FOR STRUCTURES.
 - THE INCREASER, ALL GASKETS AND FITTINGS SHALL BE WATER TIGHT.
 - THE FILTER FABRIC SHALL MEET VTRANS SPEC 704.01.

PROJECT NAME: HYDE PARK
PROJECT NUMBER: HES 030-2(23)

FILE NAME: +08bl26frm.dgn
PROJECT LEADER: JLS
DESIGNED BY: MBL
STORMWATER TREATMENT DETAILS SHEET

PLOT DATE: 08-DEC-2010
DRAWN BY: MBL
CHECKED BY: JAD
SHEET 36 OF 100

WIRED CONDUIT SCHEDULE

LOCATION	WIRED CONDUIT 2" #6 CU. CIRCUIT 'A'	WIRED CONDUIT 2" #6 CU. CIRCUIT 'B'	WIRED CONDUIT 2" #6 CU. OTHER	DESCRIPTION
POLE XX to STANCHION	--	--	20'	POWER
STANCHION to PB-1	83'	83'	--	
PB-1 to DPB-1	100'	100'	--	
DPB-1 to PB-2	79'	--	--	VIA SLEEVE S-1
PB-2 to LU-A2	10'	--	--	
PB-2 to LU-A3	44'	--	--	
DPB-1 to LU-A1	17'	--	--	
DPB-1 to PB-3	--	111'	--	VIA SLEEVE S-2
PB-3 to LU-B1	--	5'	--	
LU-B1 to PB-4	--	59'	--	
PB-4 to PB-5	--	45'	--	VIA SLEEVE S-3
PB-5 to LU-B2	--	6'	--	
PB-5 to LU-B3	--	47'	--	
SUBTOTAL	333'	456'	20'	
ROUNDING		41'		
TOTAL		850'		

LU = LUMINAIRE
PB = PULLBOX
DPB = DOUBLE PULLBOX

POWER DROP STANCHION, STREET LIGHTING
STA. 94+10.0, 32.0' LT.

PULLBOX, STANDARD
STA. 94+86.0, 24.0' LT.
STA. 95+83.0, 39.0' RT.
STA. 96+80.0, 53.0' LT.
STA. 97+36.0, 23.0' LT.
STA. 97+36.0, 21.0' RT.

PULLBOX, DOUBLE
STA. 95+83.0, 39.0' LT.

LIGHT POLE BASE
STA. 95+93.0, 52.0' LT.
STA. 95+37.4, 23.0' RT.
STA. 95+88.3, 48.0' RT.
STA. 96+84.8, 50.0' LT.
STA. 96+92.5, 42.0' RT.
STA. 97+41.0, 21.0' RT.

LUMINAIRE (250W HPS)
STA. 95+93.0, 52.0' LT.
STA. 95+37.4, 23.0' RT.
STA. 95+88.3, 48.0' RT.
STA. 96+84.8, 50.0' LT.
STA. 96+92.5, 42.0' RT.
STA. 97+41.0, 21.0' RT.

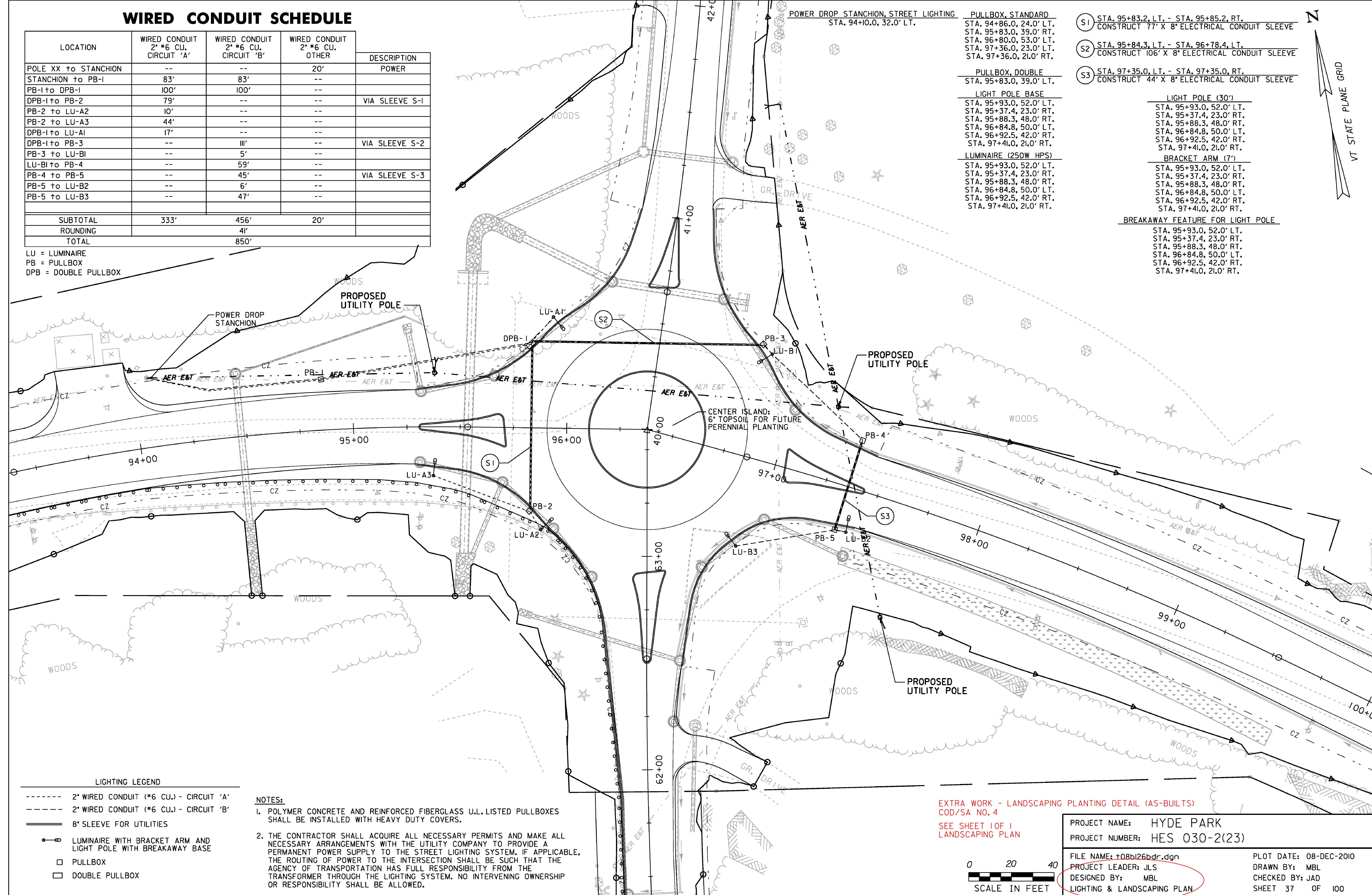
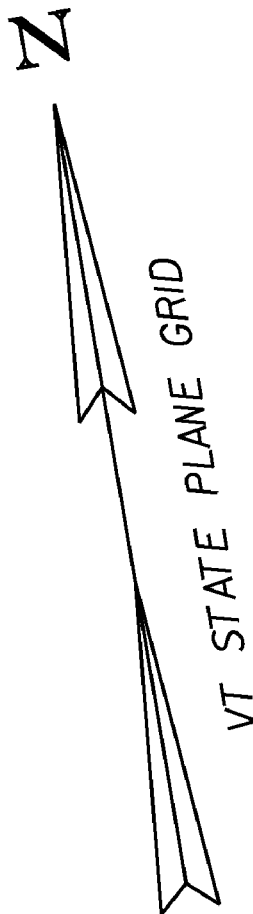
LIGHT POLE (30')

STA. 95+93.0, 52.0' LT.
STA. 95+37.4, 23.0' RT.
STA. 95+88.3, 48.0' RT.
STA. 96+84.8, 50.0' LT.
STA. 96+92.5, 42.0' RT.
STA. 97+41.0, 21.0' RT.

BRACKET ARM (7')
STA. 95+93.0, 52.0' LT.
STA. 95+37.4, 23.0' RT.
STA. 95+88.3, 48.0' RT.
STA. 96+84.8, 50.0' LT.
STA. 96+92.5, 42.0' RT.
STA. 97+41.0, 21.0' RT.

BREAKAWAY FEATURE FOR LIGHT POLE

STA. 95+93.0, 52.0' LT.
STA. 95+37.4, 23.0' RT.
STA. 95+88.3, 48.0' RT.
STA. 96+84.8, 50.0' LT.
STA. 96+92.5, 42.0' RT.
STA. 97+41.0, 21.0' RT.



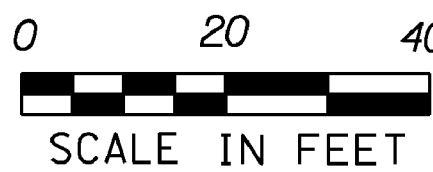
LIGHTING LEGEND

- 2" WIRED CONDUIT (#6 CU.) - CIRCUIT 'A'
- 2" WIRED CONDUIT (#6 CU.) - CIRCUIT 'B'
- ===== 8" SLEEVE FOR UTILITIES
- LUMINAIRE WITH BRACKET ARM AND LIGHT POLE WITH BREAKAWAY BASE
- PULLBOX
- DOUBLE PULLBOX

NOTES:

- POLYMER CONCRETE AND REINFORCED FIBERGLASS U.L.LISTED PULLBOXES SHALL BE INSTALLED WITH HEAVY DUTY COVERS.
- THE CONTRACTOR SHALL ACQUIRE ALL NECESSARY PERMITS AND MAKE ALL NECESSARY ARRANGEMENTS WITH THE UTILITY COMPANY TO PROVIDE A PERMANENT POWER SUPPLY TO THE STREET LIGHTING SYSTEM, IF APPLICABLE, THE ROUTING OF POWER TO THE INTERSECTION SHALL BE SUCH THAT THE AGENCY OF TRANSPORTATION HAS FULL RESPONSIBILITY FROM THE TRANSFORMER THROUGH THE LIGHTING SYSTEM. NO INTERVENING OWNERSHIP OR RESPONSIBILITY SHALL BE ALLOWED.

EXTRA WORK - LANDSCAPING PLANTING DETAIL (AS-BUILTS)
COD/SA NO. 4
SEE SHEET 106 I
LANDSCAPING PLAN



PROJECT NAME: HYDE PARK
PROJECT NUMBER: HES 030-2(23)

FILE NAME: t08b126bdr.dgn
PROJECT LEADER: JLS
DESIGNED BY: MBL
LIGHTING & LANDSCAPING PLAN

PLOT DATE: 08-DEC-2010
DRAWN BY: MBL
CHECKED BY: JAD
SHEET 37 OF 100

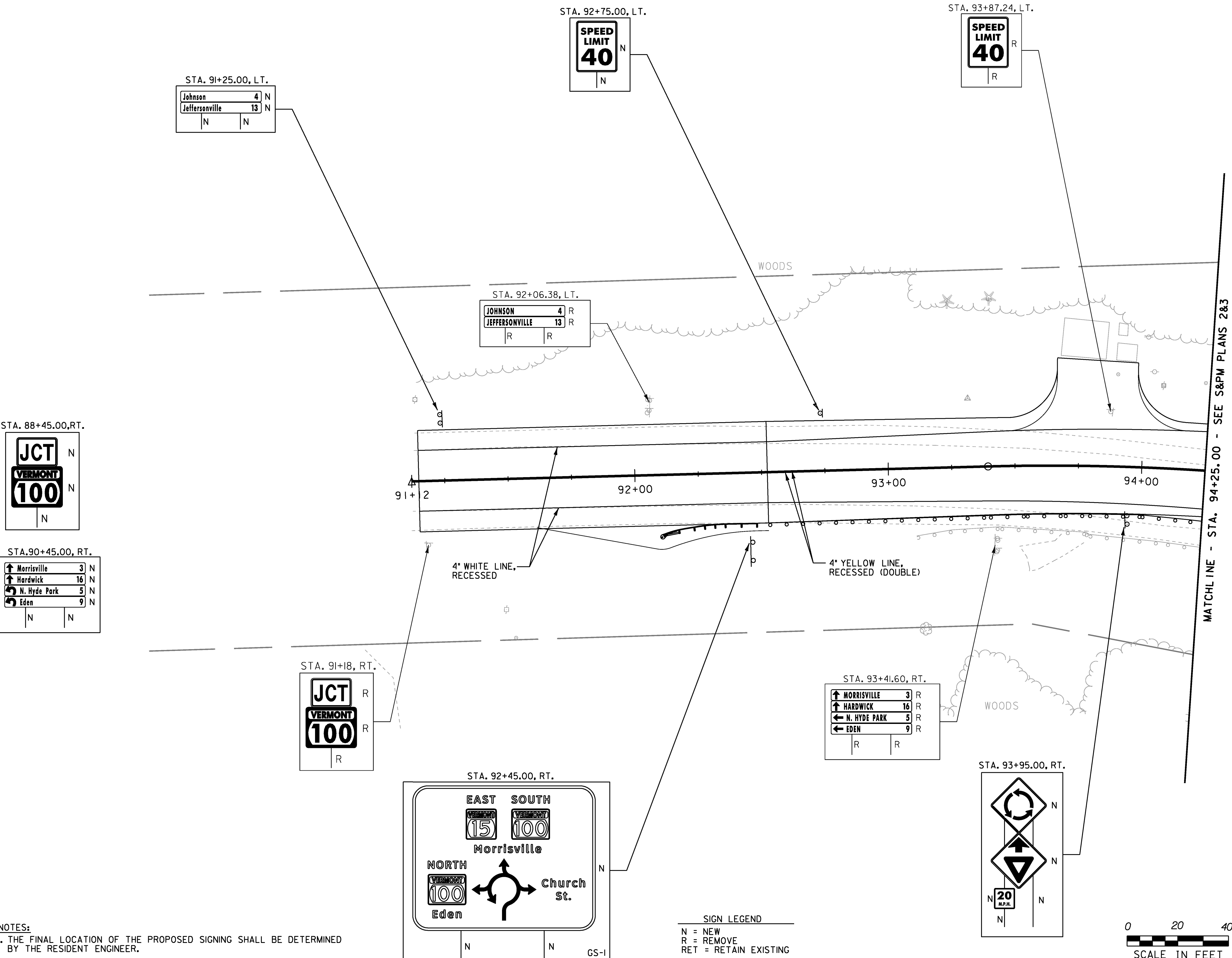
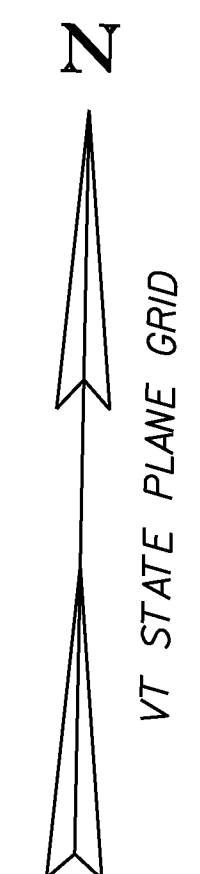
DURABLE 4" WHITE LINE, RECESSED POLYUREA
STA. 91+14.8 - STA. 94+25.0, LT.
STA. 91+14.8 - STA. 94+25.0, RT.

TEMPORARY 4' WHITE LINE
STA. 91+14.8 - STA. 94+25.0, LT.
STA. 91+14.8 - STA. 94+25.0, RT.

REMOVING SIGNS
AS SHOWN - 9

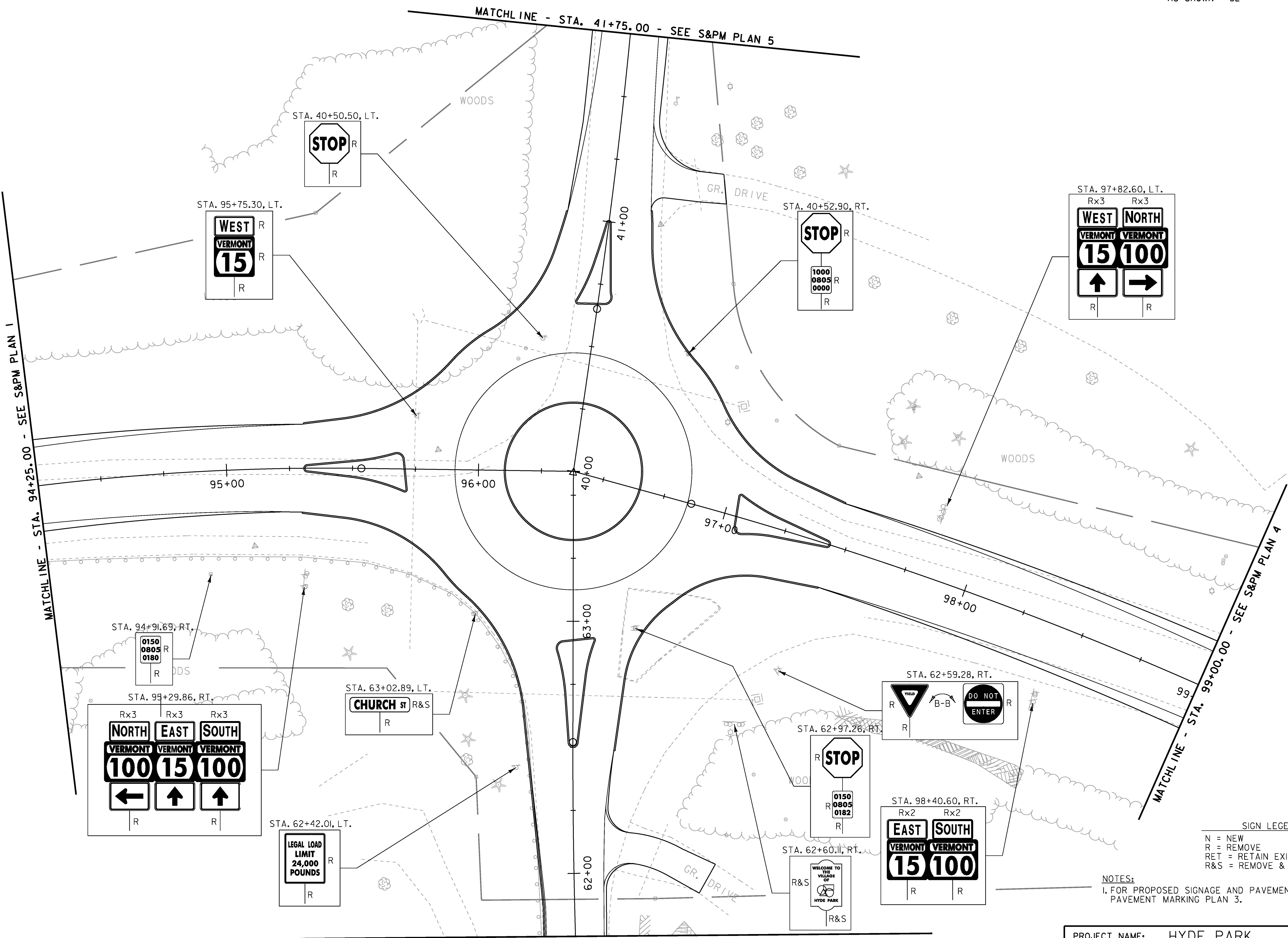
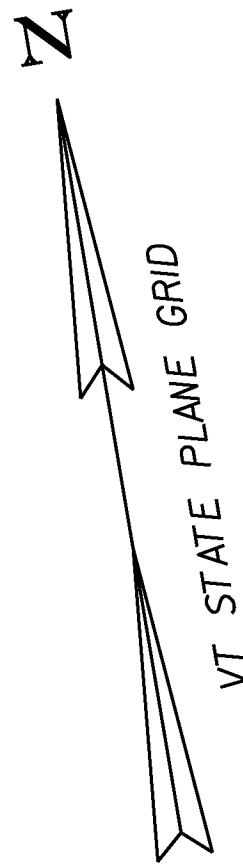
DURABLE 4" YELLOW LINE, RECESSED POLYUREA
STA. 91+14.8 - STA. 94+25.0, CL. - DOUBLE

TEMPORARY 4" YELLOW LINE
STA. 91+14.8 - STA. 94+25.0, CL. - DOUBLE



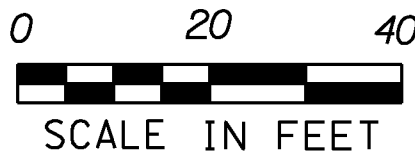
PROJECT NAME:	HYDE PARK		
PROJECT NUMBER:	HES 030-2(23)		
FILE NAME:	†08bl26bdr.dgn	PLOT DATE:	08-DEC-2010
PROJECT LEADER:	JLS	DRAWN BY:	MBL
DESIGNED BY:	MBL	CHECKED BY:	JAD
SIGNING & PAVEMENT MARKING PLAN I	SHEET	38	OF 100

REMOVING SIGNS
AS SHOWN - 32



SIGN LEGEND
N = NEW
R = REMOVE
RET = RETAIN EXISTING
R&S = REMOVE & SALVAGE

NOTES:
1. FOR PROPOSED SIGNAGE AND PAVEMENT MARKINGS, SEE SIGNING & PAVEMENT MARKING PLAN 3.



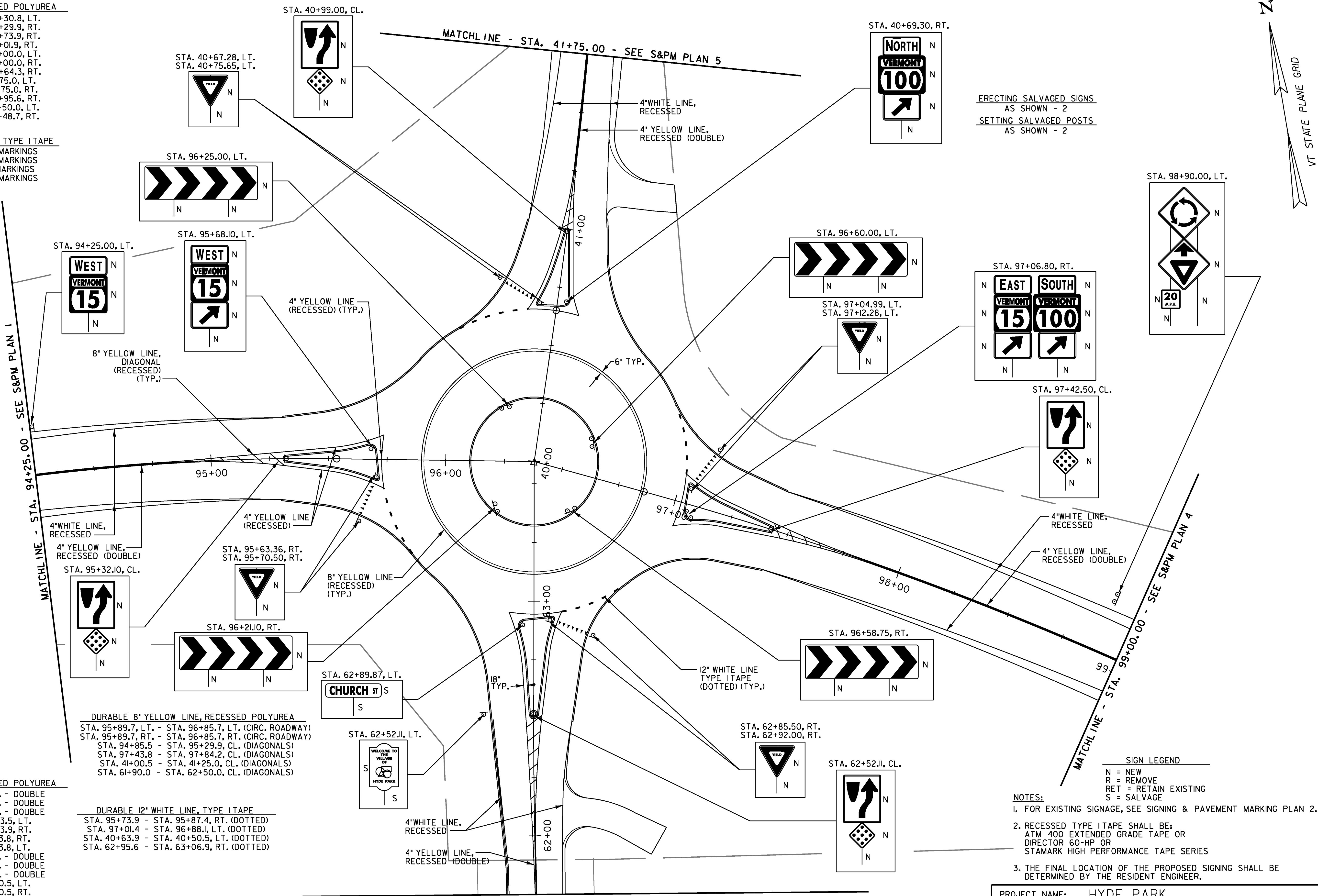
PROJECT NAME: HYDE PARK	
PROJECT NUMBER: HES 030-2(23)	
FILE NAME: +08b126bdr.dgn	PLOT DATE: 08-DEC-2010
PROJECT LEADER: JLS	DRAWN BY: MBL
DESIGNED BY: MBL	CHECKED BY: JAD
SIGNING & PAVEMENT MARKING PLAN 2	SHEET 39 OF 100

DURABLE 4" WHITE LINE, RECESSED POLYUREA

STA. 94+25.0, LT. - STA. 95+30.8, LT.
STA. 94+25.0, RT. - STA. 95+29.9, RT.
STA. 95+73.5, LT. - STA. 95+73.9, RT.
STA. 97+01.4, LT. - STA. 97+01.9, RT.
STA. 97+44.5, LT. - STA. 99+00.0, LT.
STA. 97+44.3, RT. - STA. 99+00.0, RT.
STA. 40+63.9, LT. - STA. 40+64.3, RT.
STA. 41+02.1, LT. - STA. 41+75.0, LT.
STA. 41+06.7, RT. - STA. 41+75.0, RT.
STA. 62+95.4, LT. - STA. 62+95.6, RT.
STA. 61+75.0, LT. - STA. 62+50.0, LT.
STA. 61+75.0, RT. - STA. 62+48.7, RT.

DURABLE LETTER OR SYMBOL, TYPE I TAPE

STA. 95+76.7, RT. - YIELD MARKINGS
STA. 96+98.5, LT. - YIELD MARKINGS
STA. 40+61.1, LT. - YIELD MARKINGS
STA. 62+98.0, RT. - YIELD MARKINGS



DURABLE 8" YELLOW LINE, RECESSED POLYUREA

STA. 95+89.7, LT. - STA. 96+85.7, LT. (CIRC. ROADWAY)
STA. 95+89.7, RT. - STA. 96+85.7, RT. (CIRC. ROADWAY)
STA. 94+85.5 - STA. 95+29.9, CL. (DIAGONALS)
STA. 97+43.8 - STA. 97+84.2, CL. (DIAGONALS)
STA. 41+00.5 - STA. 41+25.0, CL. (DIAGONALS)
STA. 61+90.0 - STA. 62+50.0, CL. (DIAGONALS)

DURABLE 12" WHITE LINE, TYPE I TAPE

STA. 95+73.9 - STA. 95+87.4, RT. (DOTTED)
STA. 97+01.4 - STA. 96+88.1, LT. (DOTTED)
STA. 40+63.9 - STA. 40+50.5, LT. (DOTTED)
STA. 62+95.6 - STA. 63+06.9, RT. (DOTTED)

DURABLE 4" YELLOW LINE, RECESSED POLYUREA

STA. 94+25.0 - STA. 94+85.5, CL. - DOUBLE
STA. 94+85.5 - STA. 95+29.9, LT. - DOUBLE
STA. 94+85.5 - STA. 95+29.9, RT. - DOUBLE
STA. 95+29.9, LT. - STA. 95+73.5, LT.
STA. 95+29.9, RT. - STA. 95+73.9, RT.
STA. 97+01.9, RT. - STA. 97+43.8, RT.
STA. 97+01.4, LT. - STA. 97+43.8, LT.
STA. 94+43.8 - STA. 97+84.2, LT. - DOUBLE
STA. 94+43.8 - STA. 97+84.2, RT. - DOUBLE
STA. 97+84.2 - STA. 99+00.0, CL. - DOUBLE
STA. 40+63.9, LT. - STA. 41+00.5, LT.
STA. 40+64.3, RT. - STA. 41+00.5, RT.
STA. 41+00.5 - STA. 41+25.0, LT. - DOUBLE
STA. 41+00.5 - STA. 41+25.0, RT. - DOUBLE
STA. 41+25.0 - STA. 41+75.0, CL. - DOUBLE
STA. 61+75.0 - STA. 61+90.0, CL. - DOUBLE
STA. 61+90.0 - STA. 62+50.0, LT. - DOUBLE
STA. 61+90.0 - STA. 62+50.0, RT. - DOUBLE
STA. 62+50.0, LT. - STA. 62+95.4, LT.
STA. 62+50.0, RT. - STA. 62+95.6, RT.

ERECTING SALVAGED SIGNS

AS SHOWN - 2

SETTING SALVAGED POSTS

AS SHOWN - 2

SIGN LEGEND

N = NEW
R = REMOVE
RET = RETAIN EXISTING
S = SALVAGE

NOTES:

- FOR EXISTING SIGNAGE, SEE SIGNING & PAVEMENT MARKING PLAN 2.
- RECESSED TYPE I TAPE SHALL BE:
ATM 400 EXTENDED GRADE TAPE OR
DIRECTOR 60-HP OR
STAMARK HIGH PERFORMANCE TAPE SERIES
- THE FINAL LOCATION OF THE PROPOSED SIGNING SHALL BE DETERMINED BY THE RESIDENT ENGINEER.

PROJECT NAME: HYDE PARK

PROJECT NUMBER: HES 030-2(23)

FILE NAME: +08b126bdr.dgn

PROJECT LEADER: JLS

DESIGNED BY: MBL

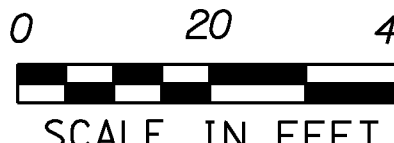
SIGNING & PAVEMENT MARKING PLAN 3

PLOT DATE: 08-DEC-2010

DRAWN BY: MBL

CHECKED BY: JAD

SHEET 40 OF 100



DURABLE 4" WHITE LINE, RECESSED POLYUREA

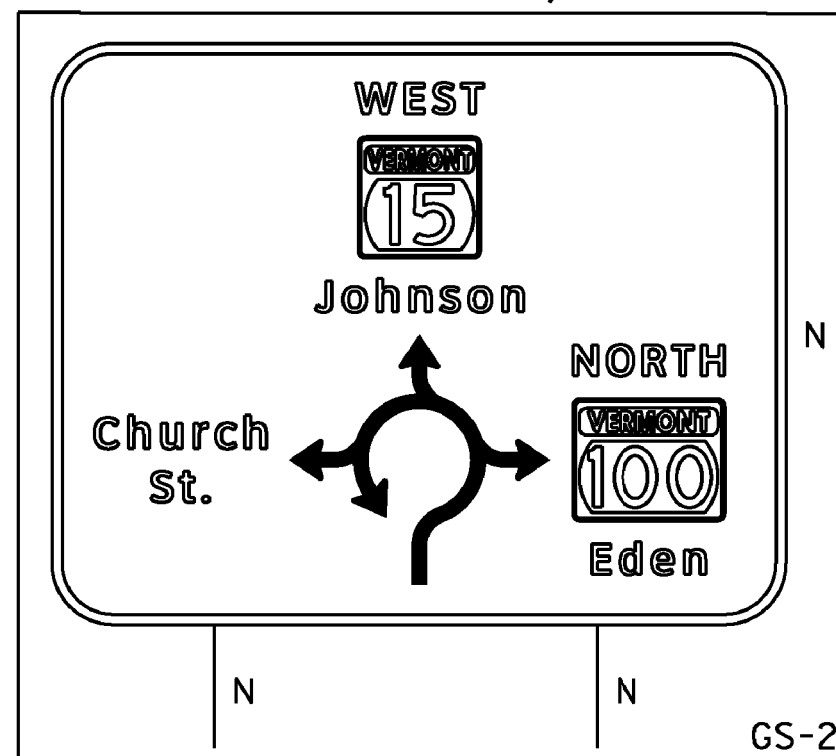
STA. 99+00.0 - STA. 103+83.8, LT.
STA. 99+00.0 - STA. 103+83.8, RT.

DURABLE 4" YELLOW LINE, RECESSED POLYUREA

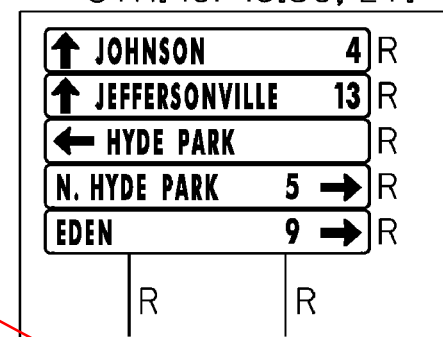
STA. 99+00.0 - STA. 103+83.8, CL. - DOUBLE

REMOVING SIGNS
AS SHOWN - 8

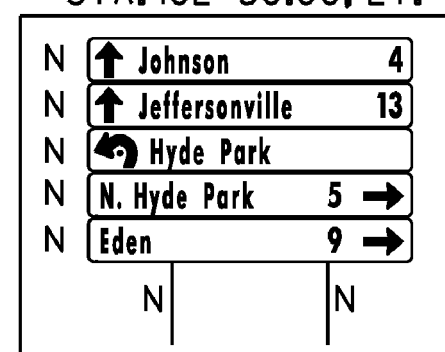
STA. 102+45 LT +/-
-STA. 100+70.00, LT.



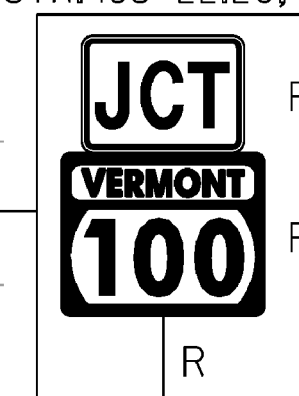
STA. 101+16.50, LT.



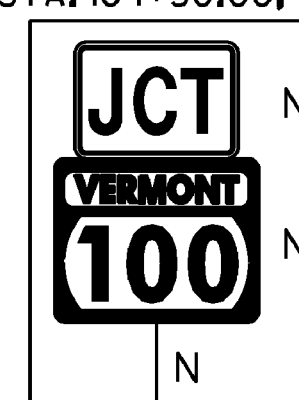
STA. 103+50 LT +/-
-STA. 102+50.00, LT.



STA. 103+22.20, LT.

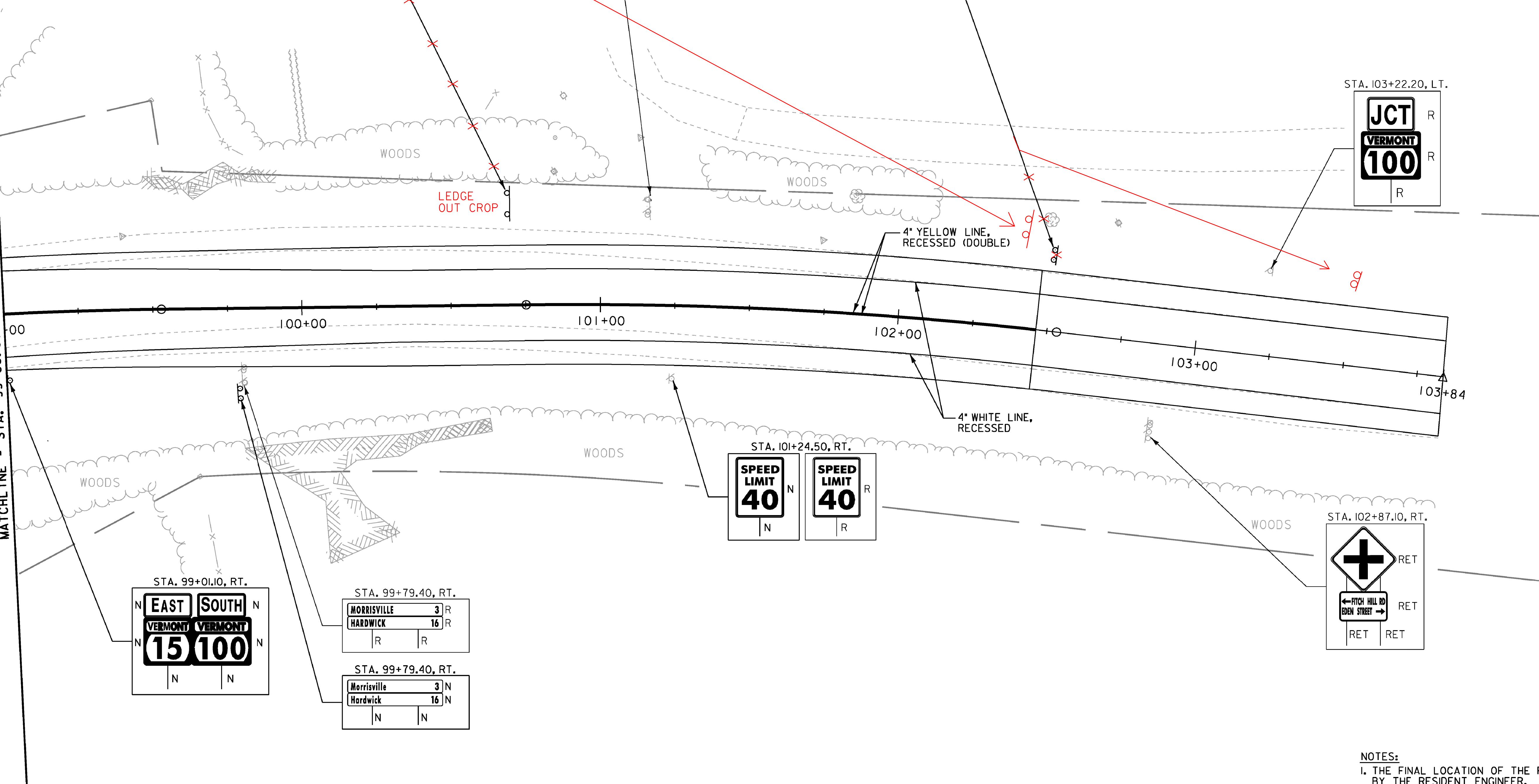


STA. 104+50.00, LT.

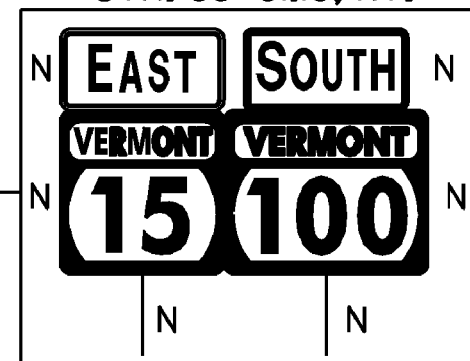


FITCH HILL ROAD/EDEN STREET
INTERSECTION = STA. 106+33 APPROX.

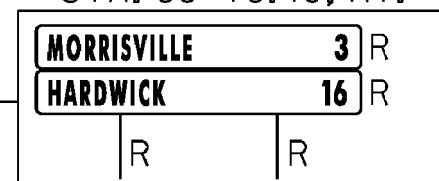
MATCHLINE - STA. 99+00.00 - SEE S&PM PLANS 2&3



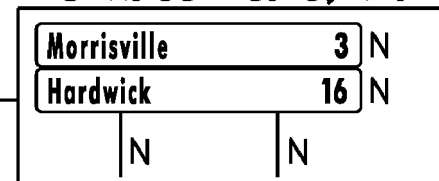
STA. 99+01.10, RT.



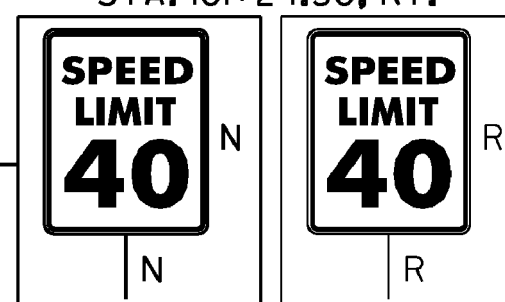
STA. 99+79.40, RT.



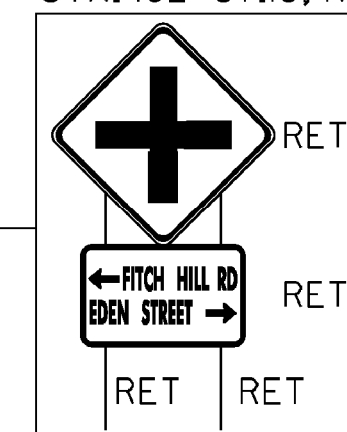
STA. 99+79.40, RT.



STA. 101+24.50, RT.



STA. 102+87.10, RT.



NOTES:

1. THE FINAL LOCATION OF THE PROPOSED SIGNING SHALL BE DETERMINED BY THE RESIDENT ENGINEER.

SIGN LEGEND

N = NEW
R = REMOVE
RET = RETAIN EXISTING
S = SALVAGE

0 20 40
SCALE IN FEET

PROJECT NAME: HYDE PARK
PROJECT NUMBER: HES 030-2(23)

FILE NAME: t08b126bdr.dgn
PROJECT LEADER: JLS
DESIGNED BY: MBL
SIGNING & PAVEMENT MARKING PLAN 4

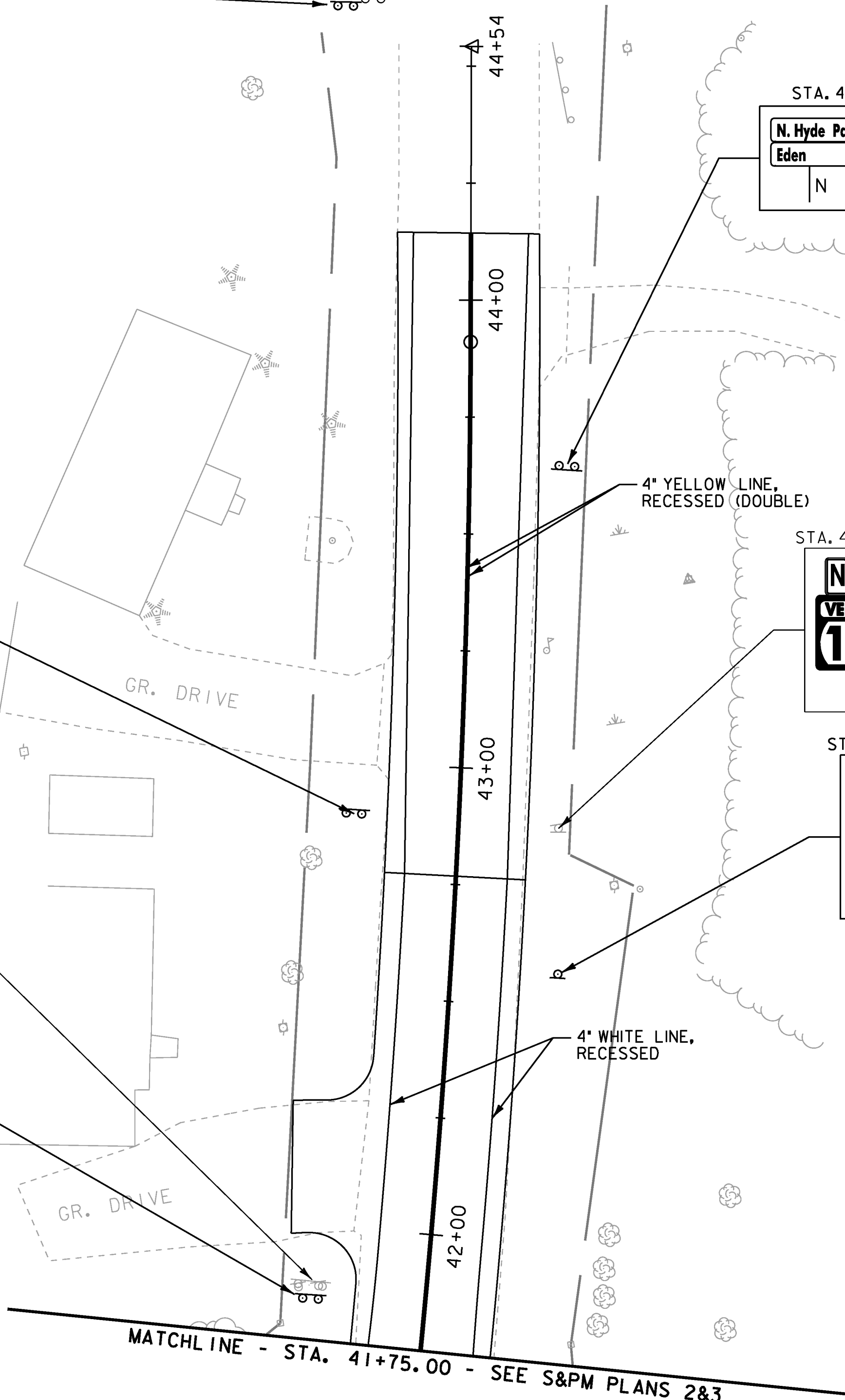
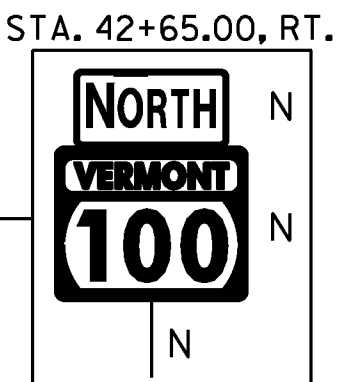
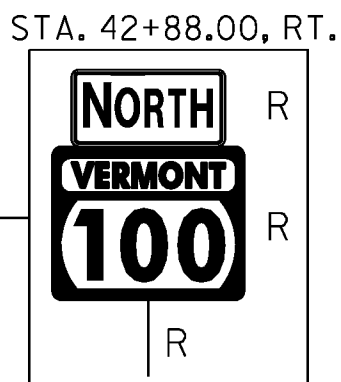
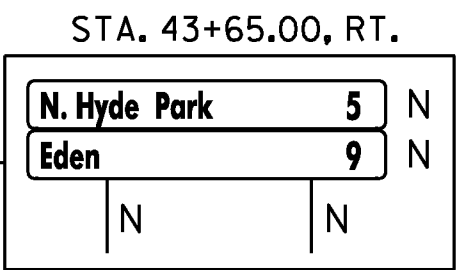
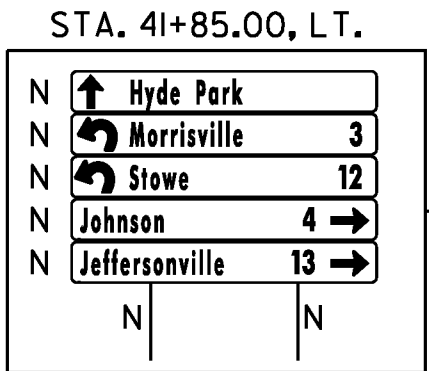
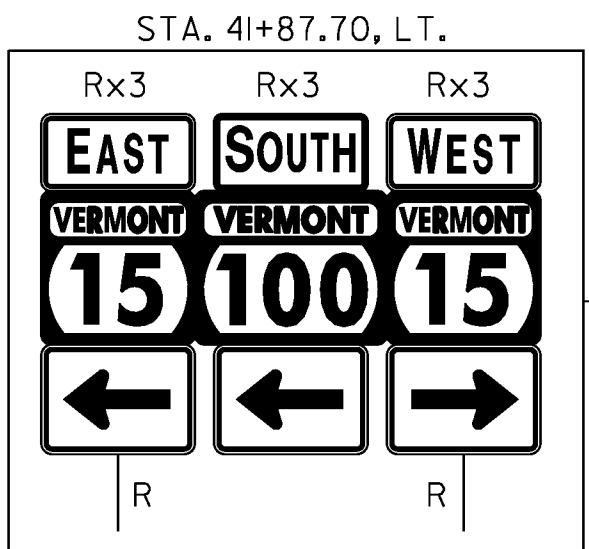
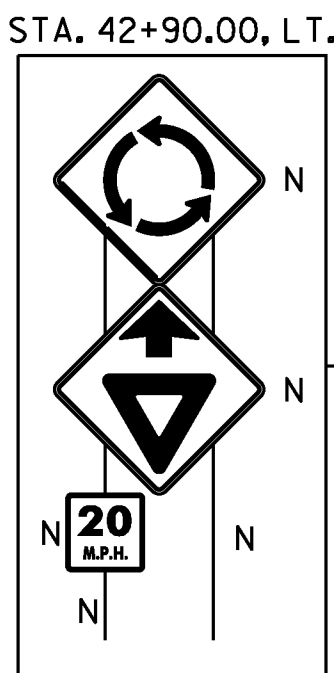
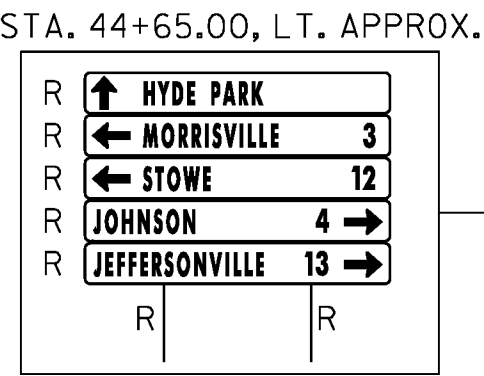
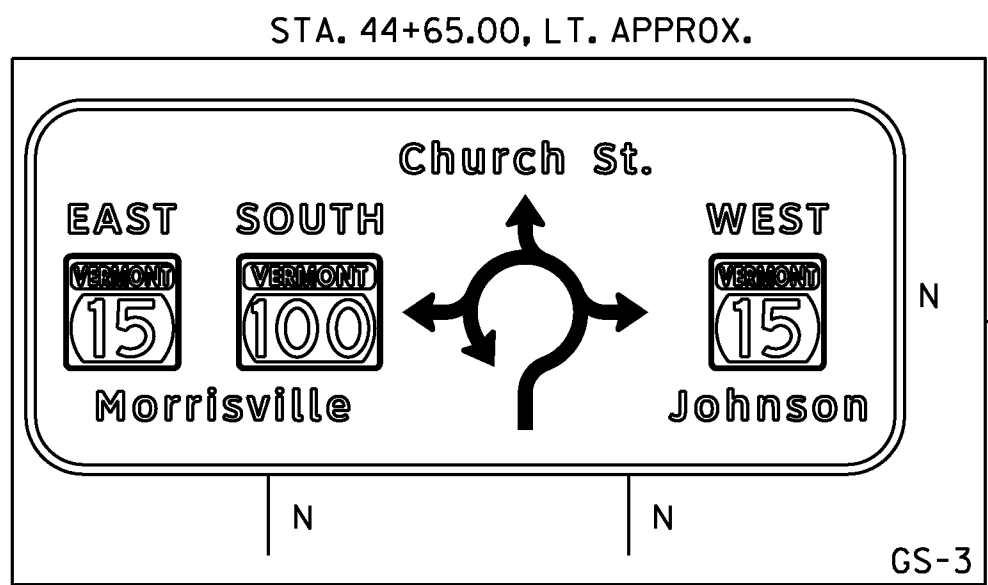
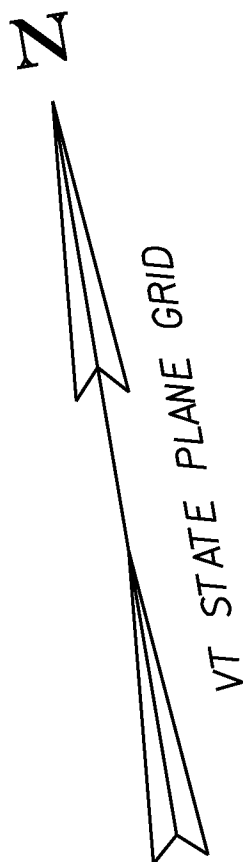
PLOT DATE: 08-DEC-2010
DRAWN BY: MBL
CHECKED BY: JAD
SHEET 41 OF 100

BATTLE ROW ROAD INTERSECTION = STA. 46+33 APPROX.

DURABLE 4" WHITE LINE, RECESSED POLYUREA
STA. 41+75.0 - STA. 44+14.3, LT.
STA. 41+75.0 - STA. 44+14.3, RT.

DURABLE 4" YELLOW LINE, RECESSED POLYUREA
STA. 41+75.0 - STA. 44+14.3, CL. - DOUBLE

REMOVING SIGNS
AS SHOWN - 16



SIGN LEGEND
N = NEW
R = REMOVE
RET = RETAIN EXISTING

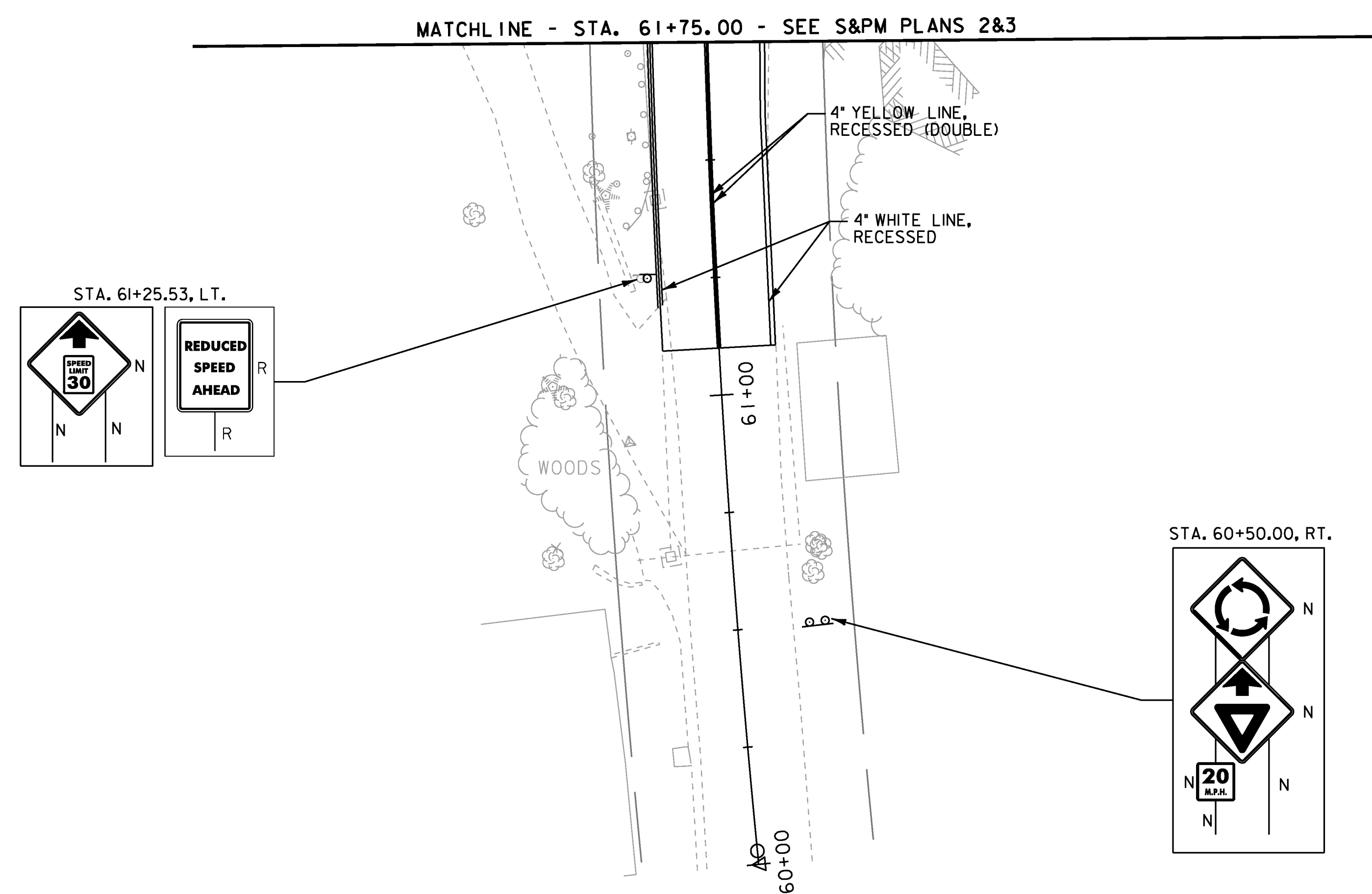
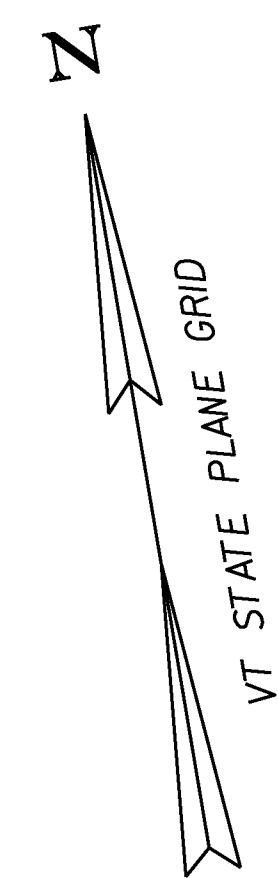
NOTES:
1. THE FINAL LOCATION OF THE PROPOSED SIGNING SHALL BE DETERMINED BY THE RESIDENT ENGINEER.

PROJECT NAME: HYDE PARK
PROJECT NUMBER: HES 030-2(23)

FILE NAME: +08b126bdr.dgn
PROJECT LEADER: JLS
DESIGNED BY: MBL
SIGNING & PAVEMENT MARKING PLAN 5

PLOT DATE: 08-DEC-2010
DRAWN BY: MBL
CHECKED BY: JAD
SHEET 42 OF 100

0 20 40
SCALE IN FEET



DURABLE 4" WHITE LINE, RECESSED EPOXY PAINT
STA. 61+20.0 - STA. 61+75.0, LT.
STA. 61+10.0 - STA. 61+75.0, RT.

DURABLE 4" YELLOW LINE, RECESSED EPOXY PAINT
STA. 61+10.0 - STA. 61+75.0, CL. - DOUBLE

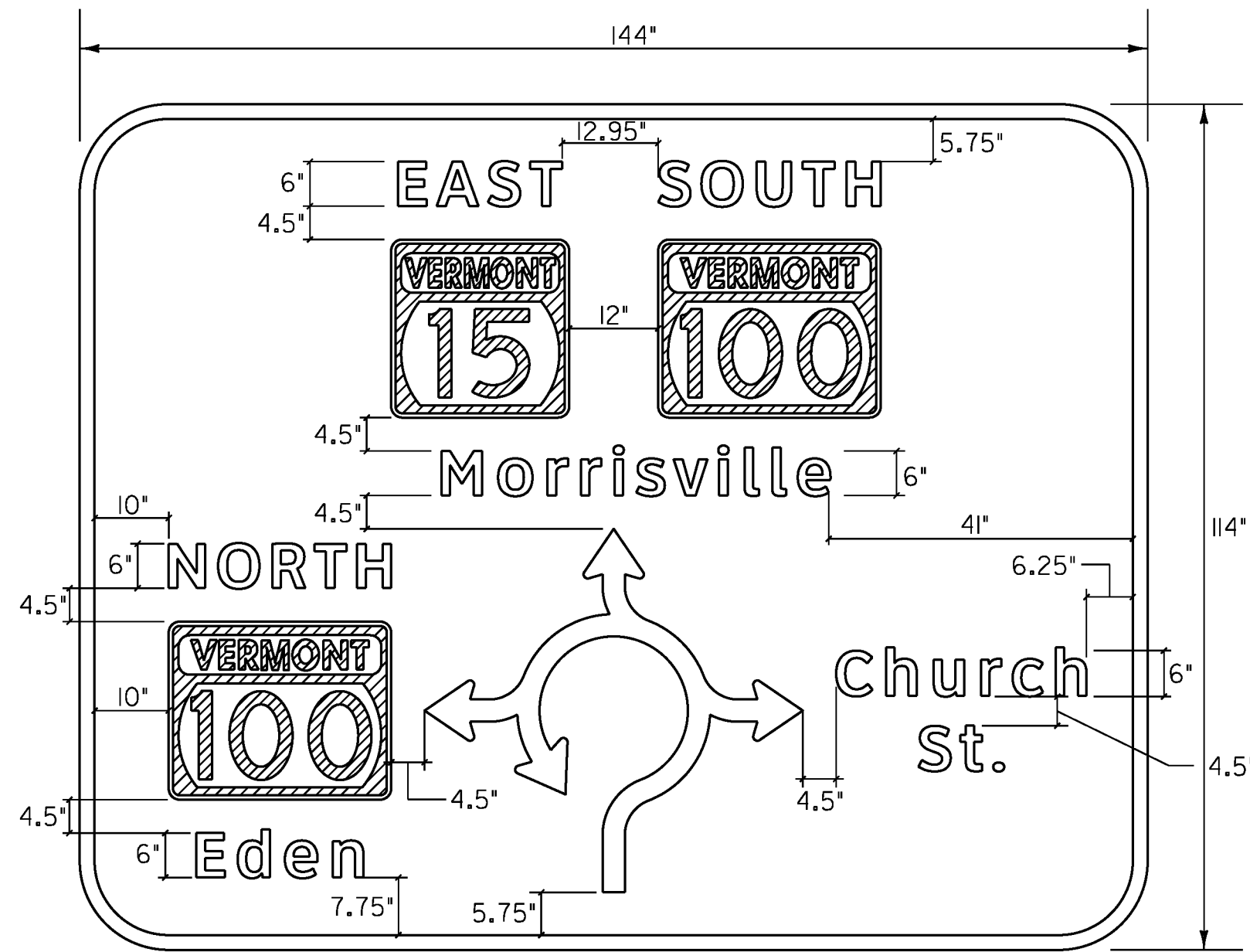
<u>REMOVING SIGNS</u> AS SHOWN - I	<u>SIGN LEGEND</u> N = NEW R = REMOVE RET = RETAIN EXISTING
---------------------------------------	--

NOTES:
1. THE FINAL LOCATION OF THE PROPOSED SIGNING SHALL BE DETERMINED BY THE RESIDENT ENGINEER.

PROJECT NAME: HYDE PARK
PROJECT NUMBER: HES 030-2(23)

FILE NAME: +08bl26bdr.dgn	PLOT DATE: 08-DEC-2010
PROJECT LEADER: JLS	DRAWN BY: MBL
DESIGNED BY: MBL	CHECKED BY: JAD
SIGNING & PAVEMENT MARKING PLAN 6	SHEET 43 OF 100





SIGN NUMBER	GS-1
WIDTH x HEIGHT	144" x 114" (12' x 9.5')
BORDER WIDTH	2"
CORNER RADIUS	12"
BACKGROUND	TYPE: REFLECTIVE COLOR: GREEN
LEGEND/BORDER	TYPE: REFLECTIVE TYPE: WHITE SERIES: CLEARVIEW HWY 5W

SYMBOL	X**	Y**	WID*	HT*
MI-6(15)	70.00	83.75	24	24
MI-6(100A)	27.00	32.25	30	24
MI-6(100B)	93.00	83.75	30	24
RDA-AR-ALL	72.00	32.25	51	49

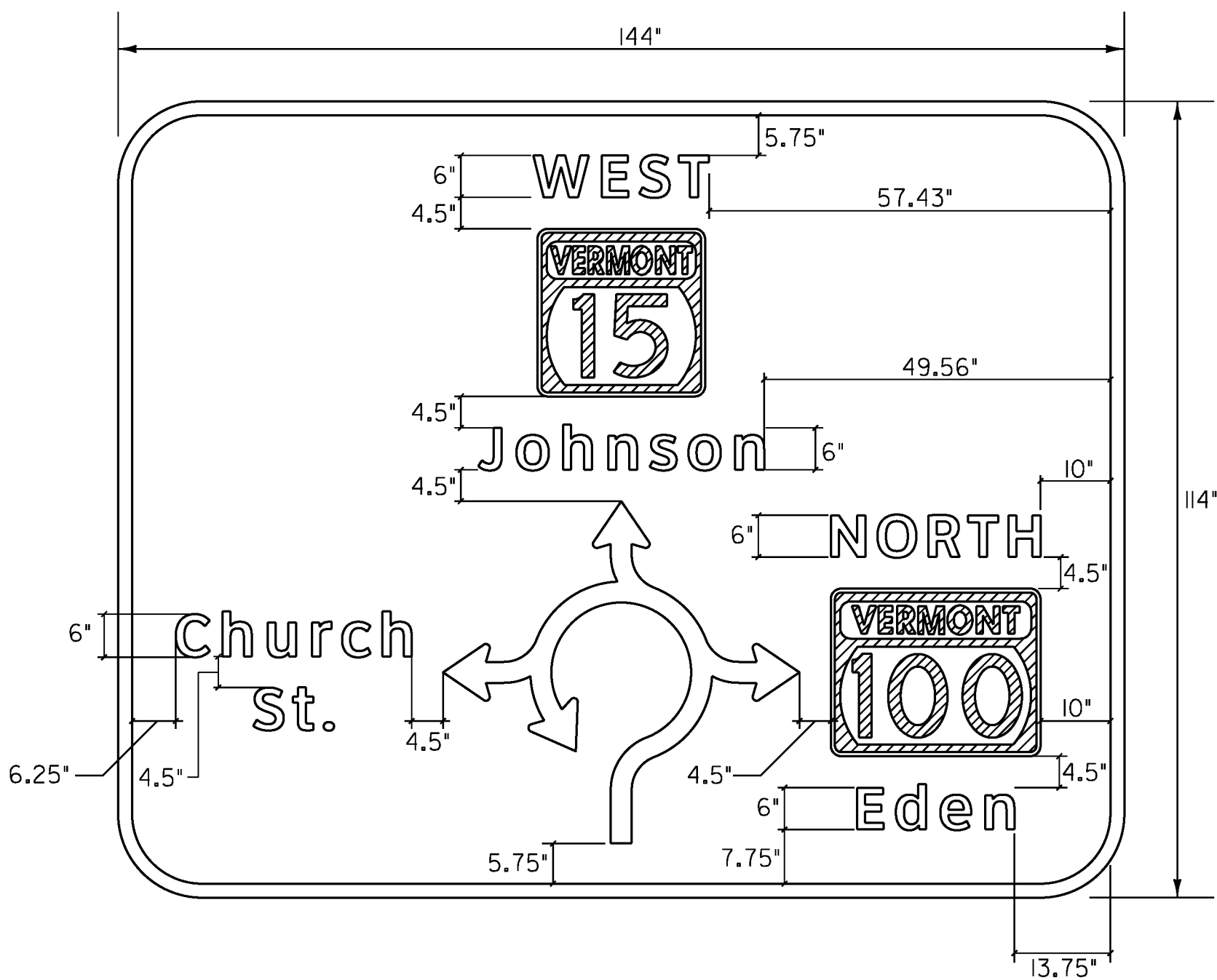
*DIMENSIONS IN INCHES
**XY COORDINATES 0,0
IS AT BOTTOM-LEFT



MI-6(15)



MI-6(100A) & MI-6(100B)



SIGN NUMBER	GS-2
WIDTH x HEIGHT	144" x 114" (12' x 9.5')
BORDER WIDTH	2"
CORNER RADIUS	12"
BACKGROUND	TYPE: REFLECTIVE COLOR: GREEN
LEGEND/BORDER	TYPE: REFLECTIVE TYPE: WHITE SERIES: CLEARVIEW HWY 5W

SYMBOL	X**	Y**	WID*	HT*
MI-6(15)	70.00	81.75	24	24
MI-6(100)	117.00	30.25	30	24
RDA-AR-ALL	70.00	30.25	51	49

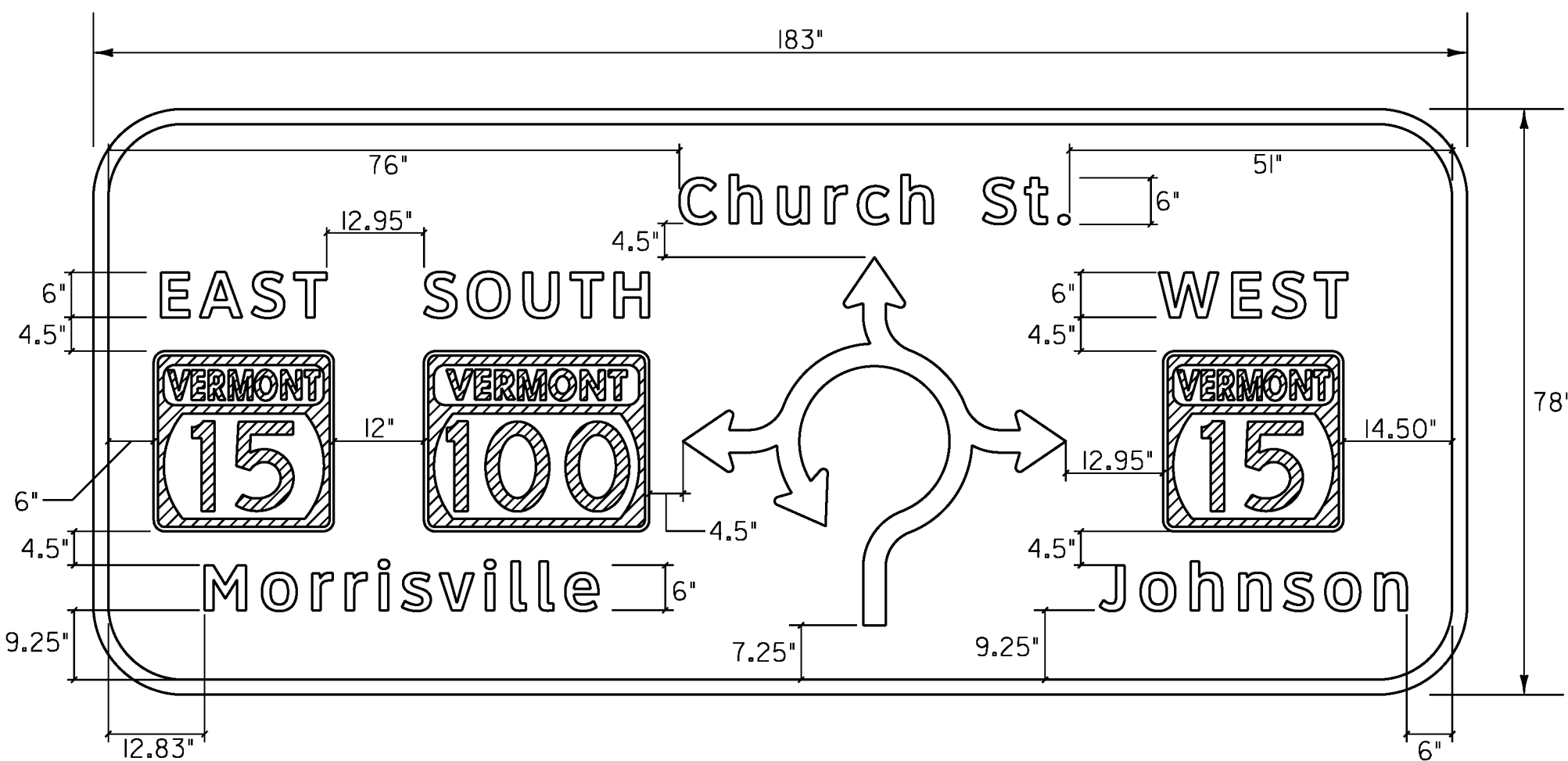
*DIMENSIONS IN INCHES
**XY COORDINATES 0,0
IS AT BOTTOM-LEFT



MI-6(15)



MI-6(100)



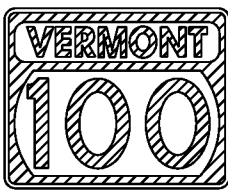
SIGN NUMBER	GS-3
WIDTH x HEIGHT	183" x 78" (15.25' x 6.5')
BORDER WIDTH	2"
CORNER RADIUS	12"
BACKGROUND	TYPE: REFLECTIVE COLOR: GREEN
LEGEND/BORDER	TYPE: REFLECTIVE TYPE: WHITE SERIES: CLEARVIEW HWY 5W

SYMBOL	X**	Y**	WID*	HT*
MI-6(15A)	20.00	31.75	24	24
MI-6(15B)	154.50	31.75	24	24
MI-6(100)	59.00	31.75	30	24
RDA-AR-ALL	104.00	31.75	51	49

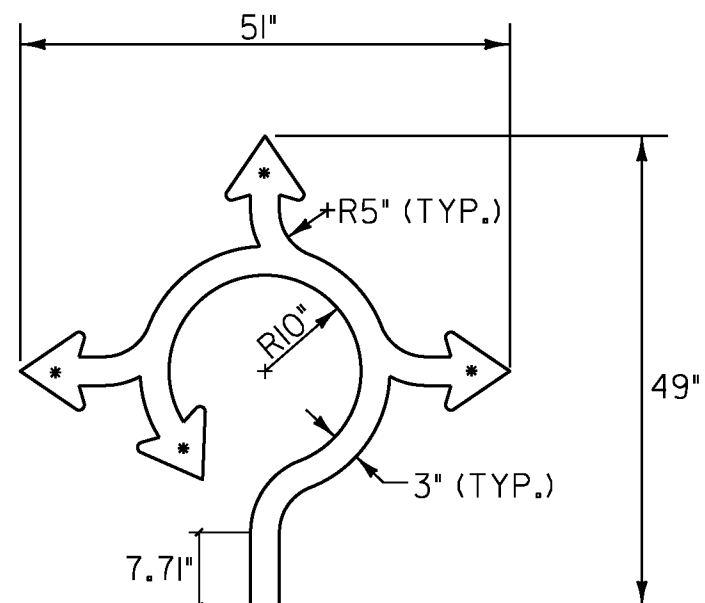
*DIMENSIONS IN INCHES
**XY COORDINATES 0,0
IS AT BOTTOM-LEFT



MI-6(15A) & MI-6(15B)

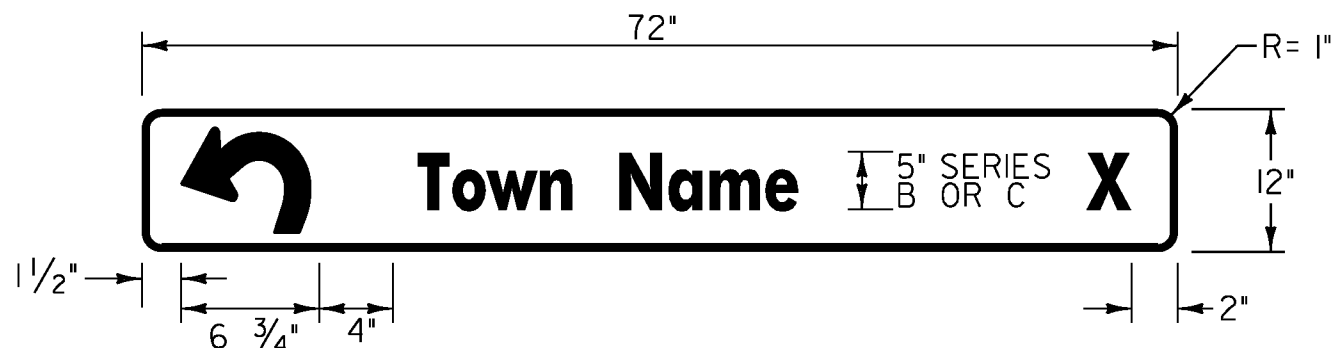


MI-6(100)



*SEE NOTE 5.

ROUNDABOUT ARROW FOR GUIDE SIGNS RDA-AR-ALL



ROUNDABOUT DESTINATION BOARD

SEE STANDARD E-123 FOR APPLICATION, MATERIALS, COLORS,
LETTERING, SPECIFICATIONS AND TEXT DESIGN

PROJECT NAME: HYDE PARK
PROJECT NUMBER: HES 030-2(23)

FILE NAME: +08bl26frm.dgn
PROJECT LEADER: JLS
DESIGNED BY: MBL
SIGNING DETAIL SHEET

PLOT DATE: 08-DEC-2010
DRAWN BY: MBL
CHECKED BY: JAD
SHEET 44 OF 100

NOTES:

- SEE STD.E-136B FOR DETAILS FOR STATE ROUTE MARKER FOR GUIDE SIGN USE (INTERSTATE TYPICAL): VT 15
- SEE STD.E-136B FOR DETAILS FOR STATE ROUTE MARKER FOR GUIDE SIGN USE (INTERSTATE TYPICAL): VT 100
- SEE DETAIL ON THIS SHEET FOR DETAIL OF ROUNDABOUT SYMBOL.
- THE CARDINAL DIRECTION AND TOWN NAME LETTERS SHALL BE WHITE AND CLEARVIEW HWY. 5W SERIES.
- REFER TO THE "STANDARD HIGHWAY SIGNS", 2004 EDITION FOR STANDARD ARROW HEAD DIMENSIONS BASED ON THE LINE WIDTH SPECIFIED.

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET 1

MILEMARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS			NEW & SALVAGED SIGNS				EXIST POST		NO. OF POSTS	NEW SIGN POSTS																REMARKS	SIGN DETAIL					
					"A"	"B"	SALV SIGN	SALV TIS	RE TAIN	SAL VAGE		FLANGED CHANNEL			SQUARE STEEL (in)				TUBULAR ALUMINUM Ø (in)			TUBULAR STEEL Ø (in)				W-SHAPE STEEL				RE FRUIT ING NEE D	DETAIL ON SHEET NUMBER	STD. SHEET NUMBER		
		lb/ft	2.0	2.0								2.5	ANCHOR	SLEEVE	3.0	4.0	4.0 MOD	FOUND- ATION	3.0	3.5	4.0	5.0	FTG. SIZE		WEIGHT	POST SIZE								
			1.12	2.0								3.0			2.16	2.42	3.35		1.3	1.7	1.7	7.6	9.0	10.8			14.6		24"				30"	
																																		lb/ft
OPTION ITEMS																																		
VT ROUTE 15 STA. 86+75.0, RT.		I	21	15	2.19						1					x		x												M2-1		SHSM		
		I	30	24	5.00																										M1-6B		E-136B	
STA. 90+35.0, RT.		I	72	12	6.00						2					x		x													44	E-123		
		I	72	12	6.00																										44	E-123		
		I	72	12	6.00																										44			
		I	72	12	6.00																										44			
STA. 91+25.0, L.T.		I	72	12	6.00						2					x		x													44	E-123		
		I	72	12	6.00																										44	E-123		
STA. 92+45.0, RT.		I	144	114							2																							
INSTALLED 12-13-II																																		
STA. 92+75.0, L.T.		I	24	30	5.00						1					x		x														R2-1		SHSM
STA. 93+95.0, RT.		I	36	36	9.00						2					x		x														W2-6		SHSM
		I	36	36	9.00																											W3-2		SHSM
		I	18	18	2.25																											W13-1		SHSM
STA. 94+25.0, L.T.		I	24	12	2.00						1					x		x														M3-4		SHSM
		I	24	24	4.00																											M1-6A		E-136B
STA. 95+32.1, CL.		I	24	30	5.00						1					x		x	x													R4-7		E-144
		I	18	18	2.25																											OM1-1		E-150
STA. 95+68.1, L.T.		I	24	12	2.00						1					x		x	x													M3-4		SHSM
		I	24	24	4.00																											M1-6A		E-136B
		I	21	15	2.19																											M6-2		SHSM
SHSM = 2010 FHWA'S STANDARD HIGHWAY SIGNS & MARKINGS																																		
FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE VTRANS "SIGN POST DESIGN GUIDELINE."																																		
TOTALS					SF 89.88	SF 114.00	EA	SF				FT 195	FT 195	FT 195	FT 195	EA 2	LB	LB	LB	EA	LB	LB	LB	EA 2	EA	LB 296	PROJECT NAME: HYDE PARK PROJECT NUMBER: HES 030-2(23) FILE NAME: t08b126frm.dgn PROJECT LEADER: JLS DESIGNED BY: MBL TRAFFIC SIGN SUMMARY SHEET 1						PLOT DATE: 08-DEC-2010 DRAWN BY: MBL CHECKED BY: JAD SHEET 45 OF 100	

TRAFFIC SIGN SUMMARY SHEET 2

MILEMARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS			NEW & SALVAGED SIGNS				EXIST POST RETAIN	SALVAGE	NO. OF POSTS	FLANGED CHANNEL				SQUARE STEEL (in)				NEW SIGN POSTS TUBULAR ALUMINUM Ø (in)			TUBULAR STEEL Ø (in)				W-SHAPE STEEL				REQU RED SI GNA ME NT	REMARKS		SIGN DETAIL							
												lb/ft				2.0		2.0	2.5	ANCHOR	SLEEVE	3.0	4.0	4.0 MOD	FOUND- ATION	3.0	3.5	4.0	5.0	FTG. SIZE				WEIGHT	POST SIZE						
		1.12	2.0	3.0	2.16	2.42	3.35	1.3				1.7	1.7	7.6	9.0	10.8	14.6	24"	30"																						
		OPTION ITEMS																																							
STA. 95+63.4, RT.		I	36	36	9.00						I					X		X												Rt-2		SHSM									
STA. 95+70.5, RT.		I	36	36	9.00						I					X		X	X											Rt-2		SHSM									
STA. 96+21.1, RT.		I	60	24	10.00						2					X		X												R6-4b		SHSM									
STA. 96+25.0, LT.		I	60	24	10.00						2					X		X												R6-4b		SHSM									
STA. 96+58.8, RT.		I	60	24	10.00						2					X		X												R6-4b		SHSM									
STA. 96+60.0, LT.		I	60	24	10.00						2					X		X												R6-4b		SHSM									
STA. 97+05.0, LT.		I	36	36	9.00						I					X		X	X											Rt-2		SHSM									
STA. 97+12.3, LT.		I	36	36	9.00						I					X		X												Rt-2		SHSM									
STA. 97+06.8, RT.		I	24	12	2.00																									M3-2		SHSM									
		I	24	24	4.00							I					X		X	X									X	Ml-6A		E-136B									
		I	21	15	2.19																										M6-2		SHSM								
STA. 97+06.8, RT.		I	24	12	2.00																										M3-3		SHSM								
		I	30	24	5.00							I					X		X	X										Ml-6A		E-136B									
		I	21	15	2.19																										MOUNT TO PREVIOUS SIGN USING ROUTE MARKER ASSEMBLY FRAME (E-123) M6-2		SHSM								
STA. 97+42.5, CL.		I	24	30	5.00											X		X	X											R4-7		SHSM									
		I	18	18	2.25																										OMI-1		SHSM								
SHSM = 2010 FHWA'S STANDARD HIGHWAY SIGNS & MARKINGS												FT	FT	FT	FT	FT	FT		EA	LB	LB	LB			LB	LB	LB	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 VTRANS "SIGN POST DESIGN GUIDELINE."																225					5																				
TOTALS					SF	SF	EA	SF		FT				FT				LB				EA	LB				EA	EA	LB	PROJECT NAME: HYDE PARK PROJECT NUMBER: HES 030-2(23) FILE NAME: t08bl26frm.dgn PROJECT LEADER: JLS DESIGNED BY: MBL TRAFFIC SIGN SUMMARY SHEET 2					PLOT DATE: 08-DEC-2010 DRAWN BY: MBL CHECKED BY: JAD SHEET 46 OF 100						

[illegible]

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET 4

MILEMARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS			NEW & SALVAGED SIGNS				EXIST POST		NO. OF POSTS	FLANGED CHANNEL				SQUARE STEEL (in)				TUBULAR ALUMINUM Ø (in)			TUBULAR STEEL Ø (in)				W-SHAPE STEEL				RE- FRAMED SIGNS	REMARKS	SIGN DETAIL										
					"A"	"B"	SALV SIGN	SALV TIS	RETAIN	SALVAGE		2.0	2.0	2.5	ANCHOR	SLAVE	3.0	4.0	4.0 MOD	FOUND- ATION	3.0	3.5	4.0	5.0	FTG. SIZE		WEIGHT	POST SIZE	DETAIL ON SHEET NUMBER	STD. SHEET NUMBER													
		lb/ft	lb/ft	lb/ft																					lb/ft	24"							30"										
																																		1.12	2.0	3.0	2.16	2.42	3.35	1.3	1.7	1.7	7.6
OPTION ITEMS																																											
STA. 40+69.3, RT.		I	24	12	2.00																									M3-1		SHSM											
		I	30	24	5.00									X			X	X											MI-6A		E-136B												
		I	21	15	2.19																									M6-2		SHSM											
STA. 40+99.0, CL.		I	24	30	5.00										X		X	X											R4-7		SHSM												
		I	18	18	2.25																								OMI-1		SHSM												
STA. 41+85.0, LT.		I	72	12	6.00																										E-123												
		I	72	12	6.00																							44															
		I	72	12	6.00										X			X													E-123												
		I	72	12	6.00																										E-123												
		I	72	12	6.00																																						
STA. 42+65.0, RT.		I	24	12	2.00												X		X										M3-1		SHSM												
		I	30	24	5.00																								MI-6B		E-136B												
STA. 42+90.0, LT.		I	36	36	9.00																								W2-6		SHSM												
		I	36	36	9.00										X			X											W3-2		SHSM												
		I	18	18	2.25																								WI3-1		SHSM												
STA. 43+65.0, RT.		I	72	12	6.00												X		X												E-123												
		I	72	12	6.00																										E-123												
STA. 44+65.0, LT. (APPROX.)	 INSTALLED 12-13-II	I	183	78		99.13																2		243.75 lbs (16'-3") 240- W 6x15 288.75 lbs (19'-3")		GS-3	44																
SHSM = 2010 FHWA'S STANDARD HIGHWAY SIGNS & MARKINGS											FT	FT	FT	FT	FT	FT		EA	LB	LB	LB					LB	LB	LB	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 VTRANS "SIGN POST DESIGN GUIDELINE."														135				2																									
TOTALS					SF	SF	EA	SF			FT			FT			LB			EA	LB			EA	EA	LB																	
					85.69	99.13								135										2		240				PROJECT NAME: HYDE PARK PROJECT NUMBER: HES 030-2(23) FILE NAME: t08bl26frm.dgn PROJECT LEADER: JLS DESIGNED BY: MBL TRAFFIC SIGN SUMMARY SHEET 4			PLOT DATE: 08-DEC-2010 DRAWN BY: MBL CHECKED BY: JAD SHEET 48 OF 100										

TRAFFIC SIGN SUMMARY SHEET 5

FINAL POST LENGTHS ARE TO BE DETERMINED
IN THE FIELD. POST SIZES ARE COMPUTED
BASED ON INFORMATION FURNISHED ON THE
STANDARD SHEETS AND THE VTRANS
SIGN POST DESIGN GUIDELINE.*

EROSION CONTROL NARRATIVE

1.1 PROJECT DESCRIPTION

THIS PROJECT INVOLVES THE CONSTRUCTION OF A ROUNDABOUT, MINOR REALIGNMENT OF THE APPROACHES, INCLUDING NEW LANDSCAPING, STREET LIGHTING, AND DRAINAGE, IN THE TOWN OF HYDE PARK, AT THE INTERSECTION OF VT ROUTE 15, VT ROUTE 100 AND TOWN HIGHWAY #5.

NOTE: AREA OF DISTURBANCE SHALL INCLUDE LIMITS OF EARTH DISTURBANCE WITHIN THE PROJECT AREA, INCLUDING ANY WASTE, STAGING AND BORROW AREAS WITHIN OR DIRECTLY ADJACENT TO THE PROJECT LIMITS.

TOTAL AREA OF DISTURBANCE IS APPROXIMATELY 4.21 ACRES.

IT IS ANTICIPATED THAT THIS PROJECT WILL LAST ONE CONSTRUCTION SEASON.

1.2 SITE INVENTORY

1.2.1 TOPOGRAPHY

THE TOPOGRAPHY OF THE AREA IS SLOPED AND IS PARTIALLY WOODED WITH SOME OPEN AREAS. VT ROUTE 15, VT ROUTE 100, CHURCH STREET (TH 5), AND A FEW GRAVEL DRIVEWAYS ARE WITHIN THE PROJECT SITE. THERE IS A RESIDENCE ON THE NORTHEAST QUADRANT OF THE ROUNDABOUT, AND A FEW HOUSES TO THE NORTH ALONG VT ROUTE 100. THERE ARE OVERHEAD UTILITIES WHICH WILL BE RELOCATED PRIOR TO CONSTRUCTION. THE PROPERTY SURROUNDING THE PROJECT SITE CONSISTS OF WELL ESTABLISHED FOREST AND MEADOWS WITH MODERATE TO STEEP SLOPES AT THE PROJECT SITE. THERE ARE A FEW HOUSES UP SLOPE WITH GRASS AND TREE BUFFERS. THERE IS ONE HOUSE DOWN SLOPE WITH GRASS AND TREE BUFFERS. DUE TO THE NATURE OF THE SURROUNDING TERRAIN THE PROJECT SITE MAY RECEIVE MINIMAL RUNOFF FROM SURROUNDING SLOPES.

1.2.2 DRAINAGE, WATERWAYS, BODIES OF WATER, AND PROXIMITY TO NATURAL OR MAN-MADE WATER FEATURES

THERE ARE NO WATERWAYS OR WATER COURSES WITHIN THE PROJECT LIMITS. THE UNNAMED TRIBUTARY OF THE LAMOILLE RIVER IS APPROXIMATELY 1000 FEET WEST OF THE PROJECT. THERE ARE SEVERAL DROP INLETS ON SITE DRAINING FROM THE ROADWAY DOWN SLOPE, TO AN ADJACENT WETLAND. THERE ARE 5 SMALL CLASS III WETLANDS WITHIN OR ADJACENT TO THE PROJECT LIMITS. SEE SECTION 1.2.5 FOR IMPACTS TO THESE WETLANDS.

1.2.3 VEGETATION

THE VEGETATION IN THE PROJECT AREA CONSISTS OF HARDWOOD TREES, SOFTWOOD TREES AND UNDERGROWTH. THE IMPACT TO VEGETATION WILL BE LIMITED MAINLY TO THE UNDERGROWTH. DISTURBED VEGETATION WILL BE REESTABLISHED WITH STANDARD SEED AND MULCH PRACTICES.

1.2.4 SOILS

ALL SOIL DATA CAME FROM THE U.S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE FOR THE COUNTY OF LAMOILLE, VERMONT. SOILS ON THE PROJECT SITE ARE BOOTHBAY SILT LOAM, 8% TO 15% SLOPES, “K FACTOR” = 0.32; ADAMS LOAMY FINE SAND, 2% TO 8% SLOPES, “K-FACTOR” = 0.17; ADAMS LOAMY FINE SAND, 8% TO 15% SLOPES, “K-FACTOR” = 0.17; AND ADAMS LOAMY FINE SAND, 15% TO 25% SLOPES, “K-FACTOR” = 0.17. THE SOIL IS CONSIDERED MODERATELY ERODIBLE DUE TO THE APPLICABLE SLOPES. NOTE: K-VALUES GENERALLY INDICATE THE FOLLOWING: 0.0-0.23 = LOW EROSION POTENTIAL; 0.24-0.36 = MODERATE EROSION POTENTIAL; 0.37 AND HIGHER = HIGH EROSION POTENTIAL.

1.2.5 SENSITIVE RESOURCE AREAS

CRITICAL HABITATS: NO
HISTORICAL OR ARCHEOLOGICAL AREAS: NO.
PRIME AGRICULTURAL LAND: YES, SEE BELOW FOR IMPACTS.
THREATENED AND ENDANGERED SPECIES: NO
WATER RESOURCE: NO
WETLANDS: YES, SEE BELOW FOR IMPACTS.

PRIME AGRICULTURAL LAND IMPACTS: 4,537 SF TEMPORARILY; 260 SF PERMANENTLY.
WETLAND IMPACTS: 1,187 SF TEMPORARILY; 2,837 SF PERMANENTLY.

THESE IMPACTED AREAS WERE EVALUATED BY ENGINEERING SERVICES FOR THE PURPOSES OF OBTAINING THE ALL-CLEAR AND AS SUCH WERE CONSIDERED TO BE INSIGNIFICANT.

1.3 RISK EVALUATION

THIS PROJECT FALLS UNDER THE JURISDICTION OF GENERAL PERMIT 3-9020 FOR STORMWATER RUNOFF FROM CONSTRUCTION SITES FOR LOW RISK PROJECTS. ANY MODIFICATIONS TO THE PROJECT THAT INCREASE THE RISK TO ENVIRONMENTAL RESOURCES SHALL BE EVALUATED IN ACCORDANCE WITH THE PERMIT REQUIREMENTS. THE CONTRACTOR WILL BE RESPONSIBLE FOR ANY ADDITIONAL PERMITTING.

1.4 EROSION PREVENTION AND SEDIMENT CONTROL

THE EROSION CONTROL PLANS ARE MEANT AS A GUIDELINE FOR PREVENTING EROSION AND CONTROLLING SEDIMENT TRANSPORT. THE PRINCIPLES OUTLINED IN THIS NARRATIVE CONSIST OF APPLYING MEASURES THROUGHOUT CONSTRUCTION OF THE PROJECT IN ORDER TO MINIMIZE SEDIMENT TRANSPORT TO THE RECEIVING WATERS. THE MEASURES INCLUDE STABILIZATION AND STRUCTURAL PRACTICES, STORM WATER CONTROLS AND OTHER POLLUTION PREVENTION PRACTICES. THEY HAVE BEEN PROPOSED BY THE DESIGNER AS A BASIS FOR PROTECTING RESOURCES AND WILL NEED TO BE BUILT UPON BASED ON THE SPECIFIC MEANS AND METHODS OF THE CONTRACTOR. REFER TO THE LOW RISK SITE HANDBOOK AND APPROPRIATE DETAIL SHEETS FOR SPECIFIC GUIDANCE AND CONSTRUCTION DETAILING.

ALL MEASURES SHALL BE REGULARLY MAINTAINED AND SHALL BE CHECKED FOR SEDIMENT BUILD-UP. SEDIMENT SHALL BE DISPOSED OF AT AN APPROVED SITE WHERE IT WILL NOT BE SUBJECT TO EROSION.

1.4.1 MARK SITE BOUNDARIES

SITE BOUNDARIES AND AREAS CONSTRUCTION EQUIPMENT CAN ACCESS SHALL BE DELINEATED.

PROJECT DEMARCATION FENCING (PDF) SHALL BE USED TO PHYSICALLY MARK SITE BOUNDARIES. BECAUSE THIS PROJECT FALLS UNDER THE CGP 3-9020, BARRIER FENCE SHALL BE USED INSTEAD OF PROJECT DEMARCATION FENCE WITHIN 100 FEET OF A WATER RESOURCE (STREAM, BROOK, LAKE, POND, WETLAND, ETC).

1.4.2 LIMIT DISTURBANCE AREA

PREVENTING INITIAL SOIL EROSION BY MINIMIZING THE EXPOSED AREA IS MUCH MORE EFFECTIVE THAN TREATING ERODED SEDIMENT. EARTH DISTURBANCE CAN BE MINIMIZED THROUGH CONSTRUCTION PHASING BY ONLY OPENING UP EARTH AS NECESSARY. THIS CAN LIMIT THE AREA THAT WILL BE DISTURBED AND EXPOSED TO EROSION. EMPLOY TEMPORARY STABILIZATION PRACTICES IN INCREMENTAL STAGES (PHASING) AS CONSTRUCTION PROCEEDS. ADDITIONAL MEASURES MAY BE NEEDED DUE TO THE PHASING OF THE PROJECT AND AS DIRECTED BY THE ENGINEER. ONLY THE ACREAGE LISTED ON THE PERMIT AUTHORIZATION MAY BE EXPOSED AT ANY GIVEN TIME.

1.4.3 STABILIZE CONSTRUCTION ENTRANCES AND EXITS

TRACKING OF SEDIMENT ONTO PUBLIC HIGHWAYS SHALL BE MINIMIZED TO REDUCE THE POTENTIAL FOR RUNOFF ENTERING RECEIVING WATERS. INSTALLATION SHALL COINCIDE WITH THE CONTRACTORS' PROGRESS SCHEDULE.

STABILIZED CONSTRUCTION ENTRANCES SHALL BE INSTALLED ANYWHERE EQUIPMENT WILL BE GOING FROM AREAS OF EXPOSED SOILS TO PAVED SURFACES.

NO SPECIFIC LOCATION WAS DETERMINED FOR INSTALLATION OF THE CONSTRUCTION ENTRANCE(S). THE RESIDENT ENGINEER WILL DETERMINE THE LOCATION(S) AND QUANTITIES OF CONSTRUCTION ENTRANCE(S) IF DEEMED NECESSARY.

1.4.4 INSTALL SEDIMENT BARRIERS

SEDIMENT BARRIERS SHALL BE UTILIZED TO INTERCEPT RUNOFF AND ALLOW SUSPENDED SEDIMENT TO SETTLE OUT. THEY SHALL BE INSTALLED PRIOR TO ANY UP SLOPE WORK.

SILT FENCE SHALL BE INSTALLED AS PROPOSED ON THE EPSC PLAN.

PIPE INLET PROTECTION SHALL BE INSTALLED AS PROPOSED ON THE PLAN.

FILTER FABRIC DROP INLET PROTECTION SHALL BE INSTALLED ON INLETS IN THE ROADWAY DURING CONSTRUCTION.

1.4.5 DIVERT UPLAND RUNOFF

DIVERSIONARY MEASURES SHALL BE USED TO INTERCEPT RUNOFF FROM ABOVE THE CONSTRUCTION AND DIRECT IT AROUND THE DISTURBED AREA SO THAT CLEAN WATER DOES NOT BECOME MUDDIED WHILE TRAVELING OVER EXPOSED SOILS ON THE CONSTRUCTION SITE.

SWALES (STORM WATER FROM STREET COLLECTION DRAINAGE SYSTEM)

1.4.6 SLOW DOWN CHANNELIZED RUNOFF

CHECK STRUCTURES SHALL BE UTILIZED TO REDUCE THE VELOCITY, AND THUS THE EROSION POTENTIAL OF CONCENTRATED FLOW IN CHANNELS.

PREFABRICATED CHECK DAMS WILL BE INSTALLED AS PROPOSED ON THE EPSC PLAN, OR AS DIRECTED BY THE RESIDENT ENGINEER.

1.4.7 CONSTRUCT PERMANENT CONTROLS

PERMANENT STORMWATER TREATMENT DEVICES SHALL BE INSTALLED AS SHOWN ON THE PLANS AND IN ACCORDANCE WITH PERMIT CONDITIONS.

TYPE II STONE FOR SLOPE LINING AND CHANNEL PROTECTION
SEED AND MULCH
DRAINAGE INLETS AND PIPING
PERMANENT EROSION MATTING

1.4.8 STABILIZE EXPOSED SOILS DURING CONSTRUCTION

ALL AREAS OF DISTURBANCE MUST HAVE TEMPORARY STABILIZATION IN PLACE WITHIN 48 HOURS OF DISTRUBANCE OR IN ACCORDANCE WITH THE CONSTRUCTION GENERAL PERMIT 3-9020 AUTHORIZATION.

TRACKING OF ALL EXPOSED SLOPES, COMBINED WITH TEMPORARY MULCHING, WILL BE UTILIZED ON A REGULAR BASIS. SLOPES SHALL BE STABILIZED WITHIN 48 HOURS OF FORECASTED RAIN. SEEDING, MULCHING AND BIODEGRADABLE EROSION CONTROL MATTING OR AN EQUIVALENT SHALL BE USED TO STABILIZE ALL SLOPES STEEPER THAN 1:3. THESE SLOPES SHALL BE STABILIZED WITHIN 48 HOURS OF REACHING INTERMITTENT PHASES OF CONSTRUCTION.

1.4.9 WINTER STABILIZATION
VARIOUS MEASURES SPECIFIC TO WINTER MAY BE NECESSARY SHOULD THE PROJECT EXTEND INTO WINTER (OCTOBER 15 THROUGH APRIL 15). REFER TO THE LOW RISK SITE HANDBOOK FOR GUIDANCE.

1.4.10 STABILIZE SOIL AT FINAL GRADE

EXPOSED SOIL MUST BE STABILIZED WITHIN 48 HOURS OF REACHING FINAL GRADE.

SEED, MULCH, FERTILIZER AND LIME SHALL BE USED TO ESTABLISH PERMANENT VEGETATION. FOR SLOPES STEEPER THAN 1:3, BIODEGRADABLE EROSION CONTROL MATTING OR AN EQUIVALENT SHALL BE USED INSTEAD OF MULCH.

1.4.11 DE-WATERING ACTIVITIES

DISCHARGE FROM DEWATERING ACTIVITIES THAT FLOWS OFF OF THE CONSTRUCTION SITE MUST NOT CAUSE OR CONTRIBUTE TO A VIOLATION OF THE VERMONT WATER QUALITY STANDARDS.

NO DE-WATERING ACTIVITIES ARE ANTICIPATED ON THIS PROJECT.

1.4.12 INSPECT THE SITE

INSPECT THE PROJECT SITE BASED ON SPECIAL PROVISION REQUIREMENTS OR CONSTRUCTION GENERAL PERMIT AUTHORIZATION STIPULATIONS.

1.5 SEQUENCE AND STAGING

THIS SECTION WILL BE DEVELOPED BY THE CONTRACTOR USING THE GUIDANCE OUTLINED IN THE VTRANS EPSC PLAN CONTRACTOR CHECKLIST.

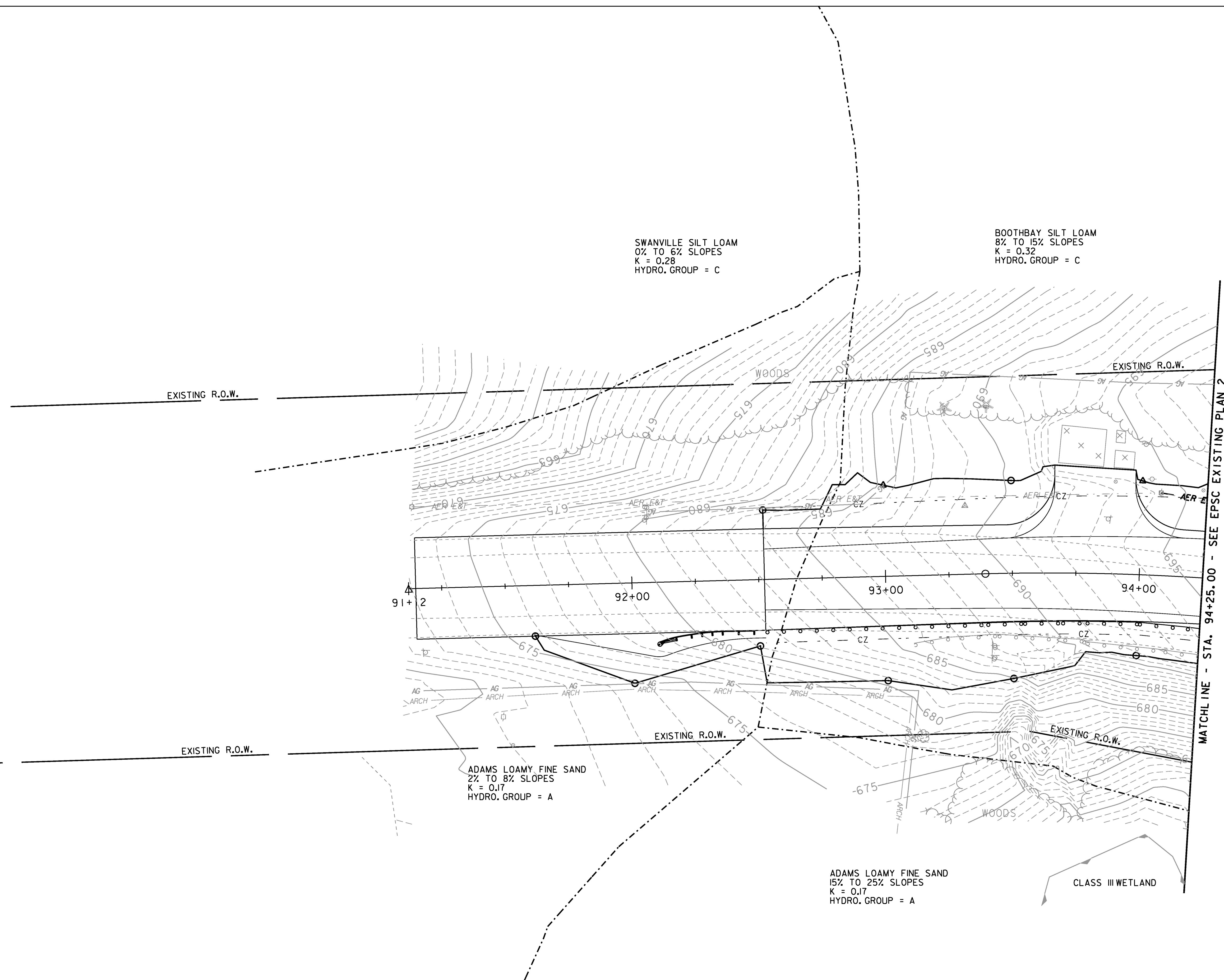
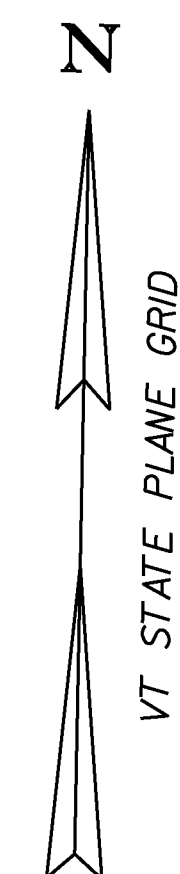
1.5.1 CONSTRUCTION SEQUENCE

REFER TO THE TRAFFIC MANAGEMENT PLANS FOR CONSTRUCTION PHASING AND POTENTIAL ORDER OF WORK.

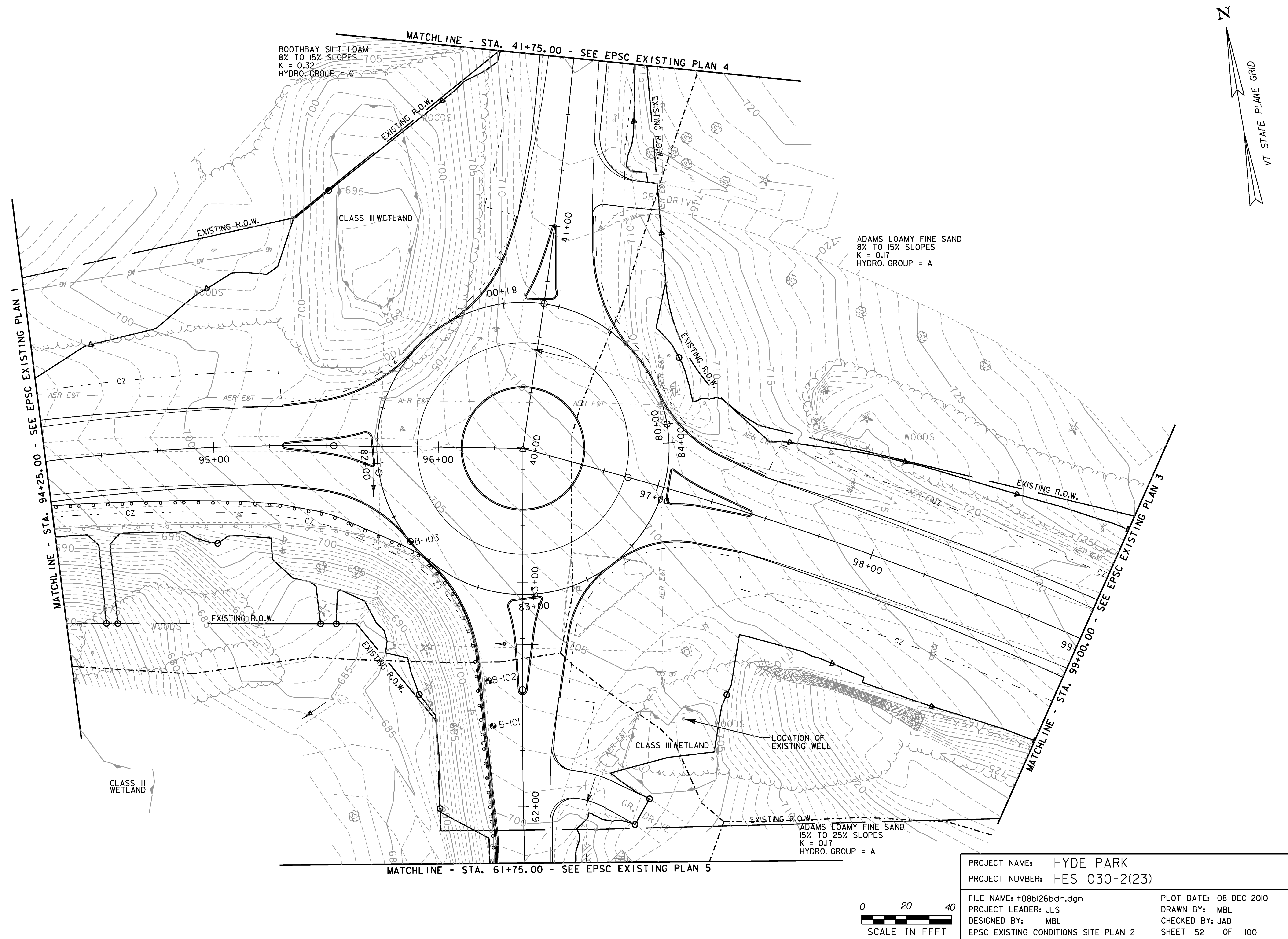
1.5.2 OFF-SITE ACTIVITIES

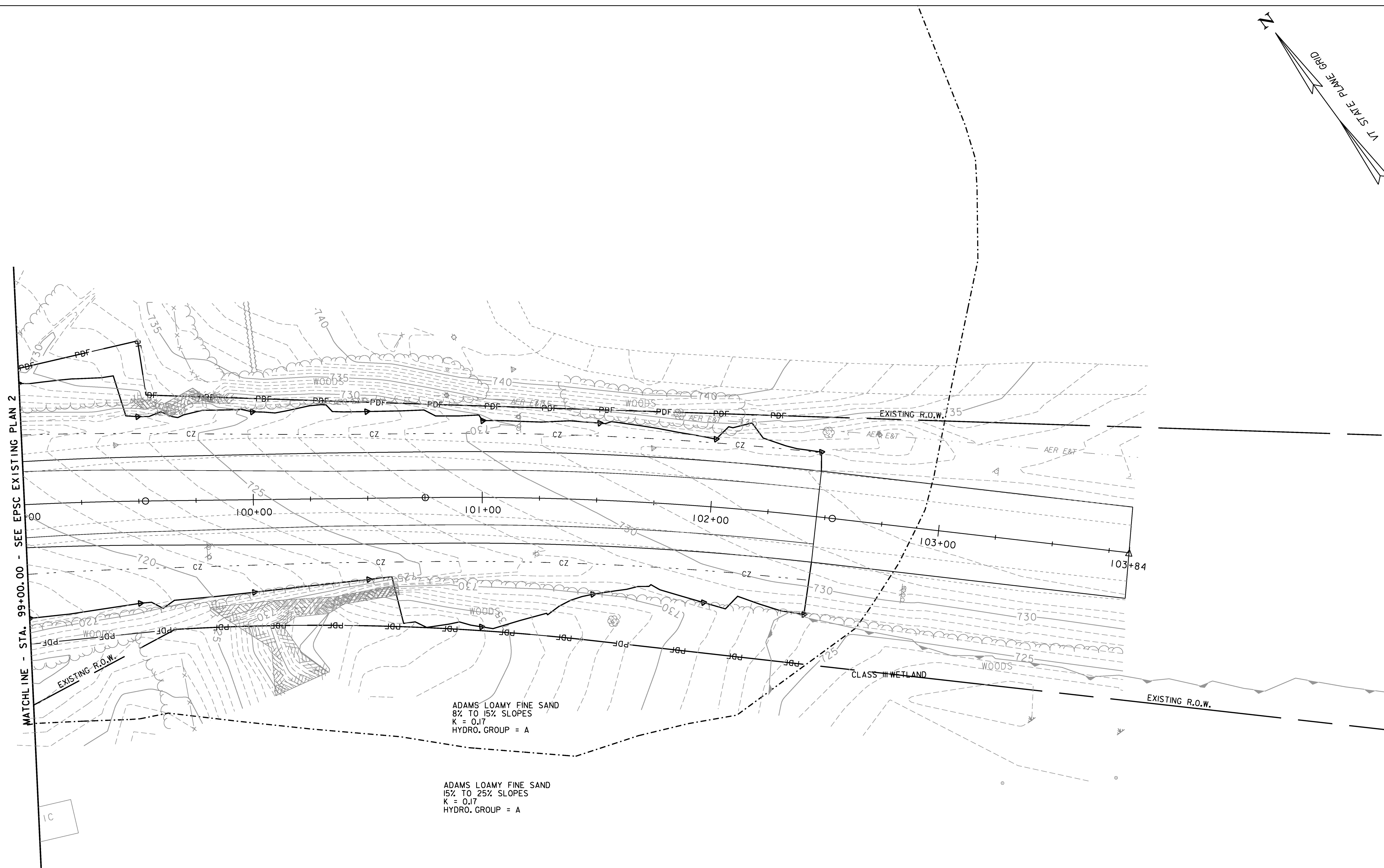
IN ADDITION TO THE CONTRACTOR CHECKLIST ANY ACTIVITIES OUTSIDE THE CONSTRUCTION LIMITS SHALL FOLLOW SUBSECTIONS 105.25 - 105.29 OF THE STANDARD SPECIFICATIONS FOR CONSTRUCTION.

PROJECT NAME: HYDE PARK	
PROJECT NUMBER: HES 030-2(23)	
FILE NAME: +08bl26frm.dgn	PLOT DATE: 08-DEC-2010
PROJECT LEADER: JLS	DRAWN BY: MBL
DESIGNED BY: MBL	CHECKED BY: JAD
EPSC NARRATIVE	SHEET 50 OF 100



PROJECT NAME: HYDE PARK	
PROJECT NUMBER: HES 030-2(23)	
FILE NAME: +08b126bdr.dgn	PLOT DATE: 08-DEC-2010
PROJECT LEADER: JLS	DRAWN BY: MBL
DESIGNED BY: MBL	CHECKED BY: JAD
EPSC EXISTING CONDITIONS SITE PLAN I	SHEET 51 OF 100





MATCHLINE - STA. 99+00.00 - SEE EPSC EXISTING PLAN 2

IC

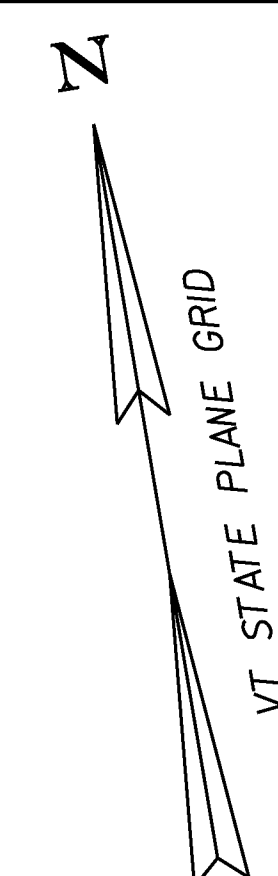
ADAMS LOAMY FINE SAND
8% TO 15% SLOPES
K = 0.17
HYDRO. GROUP = A

ADAMS LOAMY FINE SAND
15% TO 25% SLOPES
K = 0.17
HYDRO. GROUP = A

FUTURE SEPTIC SYSTEM

0 20 40
SCALE IN FEET

PROJECT NAME:	HYDE PARK	FILE NAME:	+08b126bdr.dgn	PLOT DATE:	08-DEC-2010
PROJECT NUMBER:	HES 030-2(23)	PROJECT LEADER:	JLS	DRAWN BY:	MBL
		DESIGNED BY:	MBL	CHECKED BY:	JAD
		EPSC EXISTING CONDITIONS SITE PLAN 3		SHEET 53	OF 100

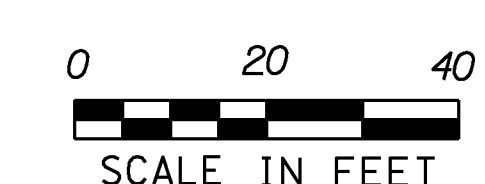


BOOTHBAY SILT LOAM
8% TO 15% SLOPES
K = 0.32
HYDRO. GROUP = C

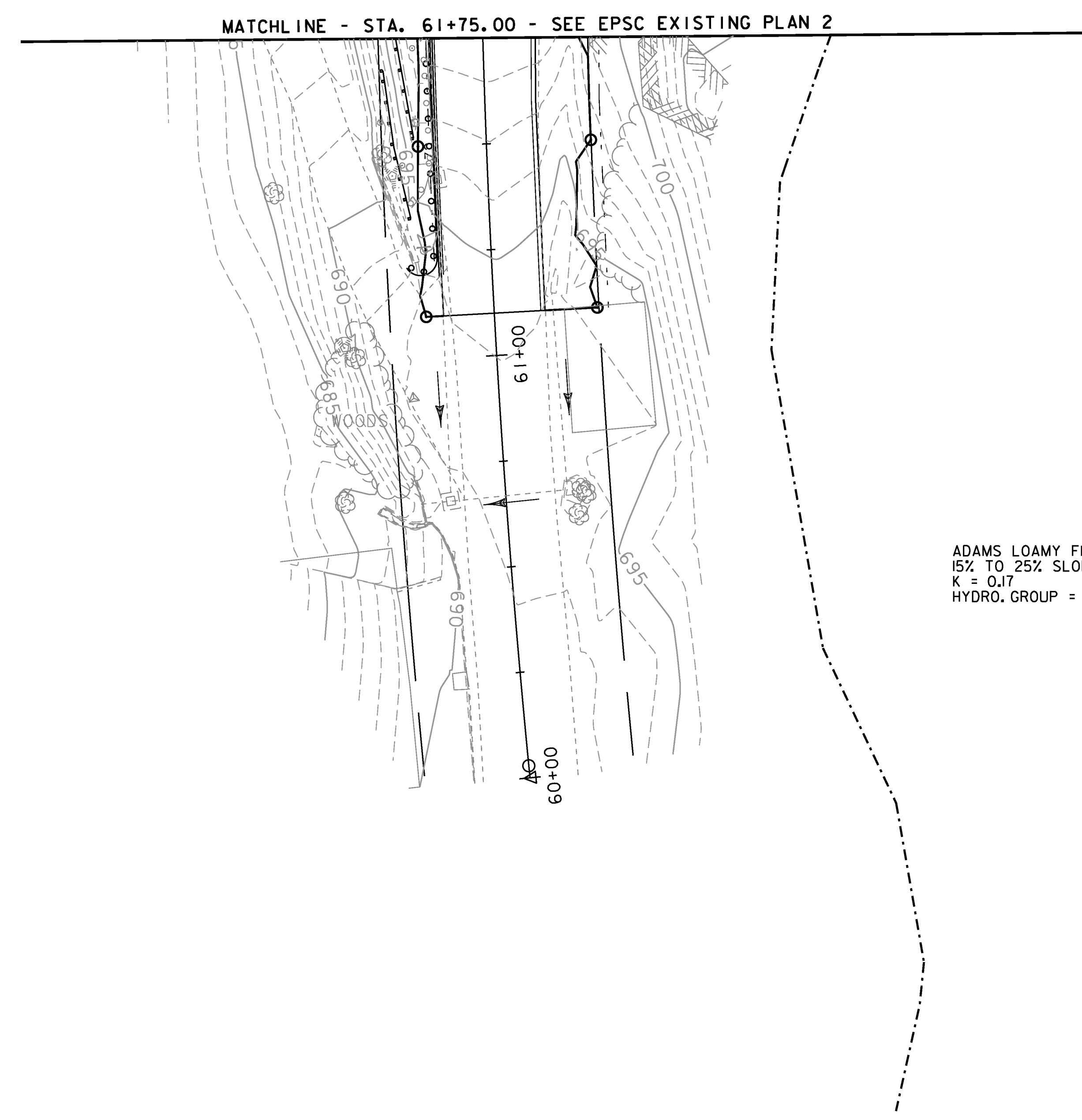
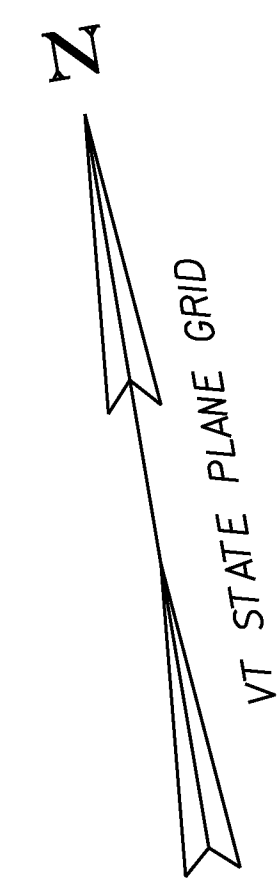
PERU VERY STONY FINE SANDY LOAM
8% TO 15% SLOPES
K = 0.24
HYDRO. GROUP = C

ADAMS LOAMY FINE SAND
8% TO 15% SLOPES
K = 0.17
HYDRO. GROUP = A

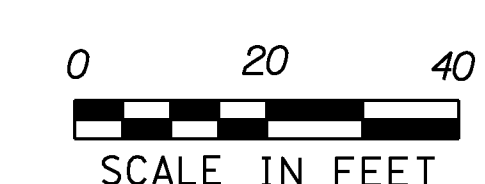
MATCHLINE - STA. 41+75.00 - SEE EPSC EXISTING PLAN 2



PROJECT NAME: HYDE PARK	
PROJECT NUMBER: HES 030-2(23)	
FILE NAME: +08bl26bdr.dgn	PLOT DATE: 08-DEC-2010
PROJECT LEADER: JLS	DRAWN BY: MBL
DESIGNED BY: MBL	CHECKED BY: JAD
EPSC EXISTING CONDITIONS SITE PLAN 4	SHEET 54 OF 100



ADAMS LOAMY FINE SAND
15% TO 25% SLOPES
K = 0.17
HYDRO. GROUP = A



PROJECT NAME: HYDE PARK	
PROJECT NUMBER: HES 030-2(23)	
FILE NAME: t08b126bdr.dgn	PLOT DATE: 08-DEC-2010
PROJECT LEADER: JLS	DRAWN BY: MBL
DESIGNED BY: MBL	CHECKED BY: JAD
EPSC EXISTING CONDITIONS SITE PLAN 5	SHEET 55 OF 100

PROJECT DEMARCATION FENCE
STA. 92+52.28, LT. - STA. 94+25.00, LT. (237')

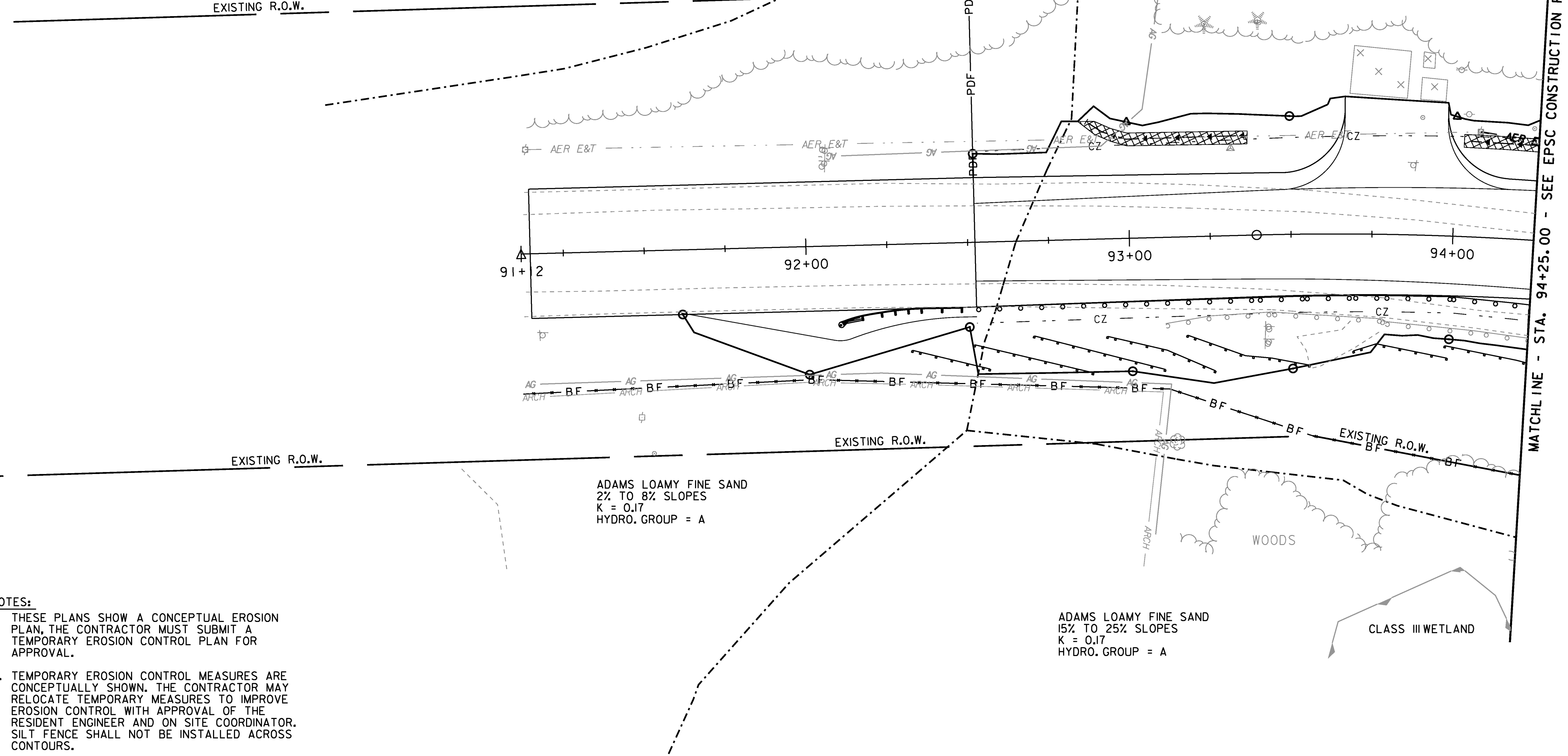
BARRIER FENCE
STA. 91+14.77, RT. - STA. 94+25.00, RT. (312')

PREFABRICATED CHECK DAM
STA. 92+85.00, LT. - STA. 93+37.17, LT.
STA. 94+02.40, LT. - STA. 94+25.00, LT.

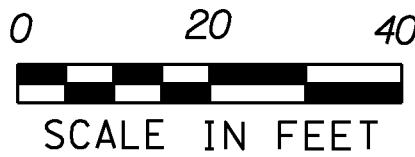
TEMPORARY EROSION MATTING
STA. 92+85.00, LT. - STA. 93+37.17, LT. (DITCH)
STA. 94+02.40, LT. - STA. 94+25.00, LT. (DITCH)

GEOTEXTILE FOR SILT FENCE
STA. 92+32.20, RT. - STA. 95+25.00, RT.

- EPSC LEGEND
- PERMANENT EROSION MATTING
 - TEMPORARY EROSION MATTING
 - PROJECT DEMARCATION
 - PREFABRICATED CHECK DAMS
 - SILT FENCE
 - INLET PROTECTION, TYPE I
 - PIPE INLET PROTECTION
 - SOIL TYPE BOUNDARY
 - AGRICULTURAL SOILS BOUNDARY
 - ARCHEOLOGICAL BOUNDARY
 - LIMITS OF CONSTRUCTION (SOIL DISTURBANCE)
 - BARRIER FENCE
- EXISTING R.O.W.



- NOTES:
- THESE PLANS SHOW A CONCEPTUAL EROSION PLAN, THE CONTRACTOR MUST SUBMIT A TEMPORARY EROSION CONTROL PLAN FOR APPROVAL.
 - TEMPORARY EROSION CONTROL MEASURES ARE CONCEPTUALLY SHOWN, THE CONTRACTOR MAY RELOCATE TEMPORARY MEASURES TO IMPROVE EROSION CONTROL WITH APPROVAL OF THE RESIDENT ENGINEER AND ON SITE COORDINATOR. SILT FENCE SHALL NOT BE INSTALLED ACROSS CONTOURS.
 - THE CONTRACTOR SHALL USE OTHER TEMPORARY EROSION CONTROL MEASURES AS NECESSITATED BY THE SEQUENCE OF CONSTRUCTION OR AS DIRECTED BY THE RESIDENT ENGINEER AND ON SITE COORDINATOR.
 - REFER TO TEMPORARY EROSION CONTROL DETAIL SHEETS FOR ADDITIONAL DETAILS.



PROJECT NAME:	HYDE PARK
PROJECT NUMBER:	HES 030-2(23)
FILE NAME:	+08b126bdr.dgn
PROJECT LEADER:	JLS
DESIGNED BY:	MBL
EPSC CONSTRUCTION SITE PLAN I	
PLOT DATE:	08-DEC-2010
DRAWN BY:	MBL
CHECKED BY:	JAD
SHEET	56 OF 100

PROJECT DEMARCATION FENCE
STA. 94+25.00, LT. - STA. 95+35.83, LT. (123')
STA. 97+35.29, LT. - STA. 99+00.00, LT. (172')
STA. 95+64.66, RT. - STA. 61+75.00, LT. (132')
STA. 61+75.00, RT. - STA. 99+00.00, RT. (268')

BARRIER FENCE
STA. 95+35.83, LT. - STA. 41+75.00, LT. (141')
STA. 94+25.00, RT. - STA. 95+64.66, RT. (129')

TEMPORARY EROSION MATTING
STA. 94+25.00, LT. - STA. 94+40.00, LT.
STA. 94+25.00, RT. - STA. 95+27.94, RT.
STA. 97+04.42, LT. - STA. 99+00.00, LT.
STA. 97+43.63, RT. - STA. 99+00.00, RT.
STA. 62+21.38, RT. - STA. 97+26.90, RT.
STA. 97+04.42, LT. - STA. 40+62.63, RT.
STA. 40+73.80, RT. - STA. 41+05.20, RT.
STA. 41+30.00, RT. - STA. 41+75.00, RT.
STA. 41+65.00, LT. - STA. 41+75.00, LT.

PIPE INLET PROTECTION
STA. 40+65.5, 38.4' RT.
STA. 95+55.1, 73.1' LT.

PREFABRICATED CHECK DAM
STA. 94+50.00, LT. - STA. 94+40.00, LT.
STA. 97+04.42, LT. - STA. 99+00.00, LT.
STA. 97+43.63, RT. - STA. 99+00.00, RT.
STA. 62+21.38, RT. - STA. 97+26.90, RT.
STA. 40+73.80, RT. - STA. 41+05.20, RT.
STA. 41+30.00, RT. - STA. 41+75.00, RT.
STA. 41+65.00, LT. - STA. 41+75.00, LT.

GEOTEXTILE FOR SILT FENCE
STA. 94+25.00, RT. - STA. 95+23.83, RT.
STA. 61+75.00, LT. - STA. 61+80.34, LT.
STA. 41+06.04, LT. - STA. 41+52.33, LT.

INLET PROTECTION, TYPE I
STA. 40+65.6, 26.9' RT. STA. 94+47.4, 29.6' LT.
STA. 40+66.2, 26.1' LT. STA. 95+31.1, 16.5' RT.
STA. 41+29.0, 22.4' RT. STA. 95+31.8, 16.7' LT.
STA. 62+22.5, 12.6' RT. STA. 95+65.7, 24.3' LT.
STA. 62+51.2, 15.6' RT. STA. 95+70.2, 25.6' RT.
STA. 62+90.4, 25.9' LT. STA. 97+01.9, 27.3' LT.
STA. 62+95.0, 25.8' RT. STA. 97+02.0, 26.1' RT.
STA. 63+12.9, 43.9' LT. STA. 97+43.1, 31.9' RT.

BOOTHBAY SILT LOAM
8% TO 15% SLOPES
K = 0.32
HYDRO. GROUP = C

ADAMS LOAMY FINE SAND
8% TO 15% SLOPES
K = 0.17
HYDRO. GROUP = A

EPSC LEGEND

INLET PROTECTION, TYPE I

PIPE INLET PROTECTION

SOIL TYPE BOUNDARY

AGRICULTURAL SOILS BOUNDARY

ARCHEOLOGICAL BOUNDARY

LIMITS OF CONSTRUCTION (SOIL DISTURBANCE)

BARRIER FENCE

PROJECT DEMARCATION

PREFABRICATED CHECK DAMS

SILT FENCE

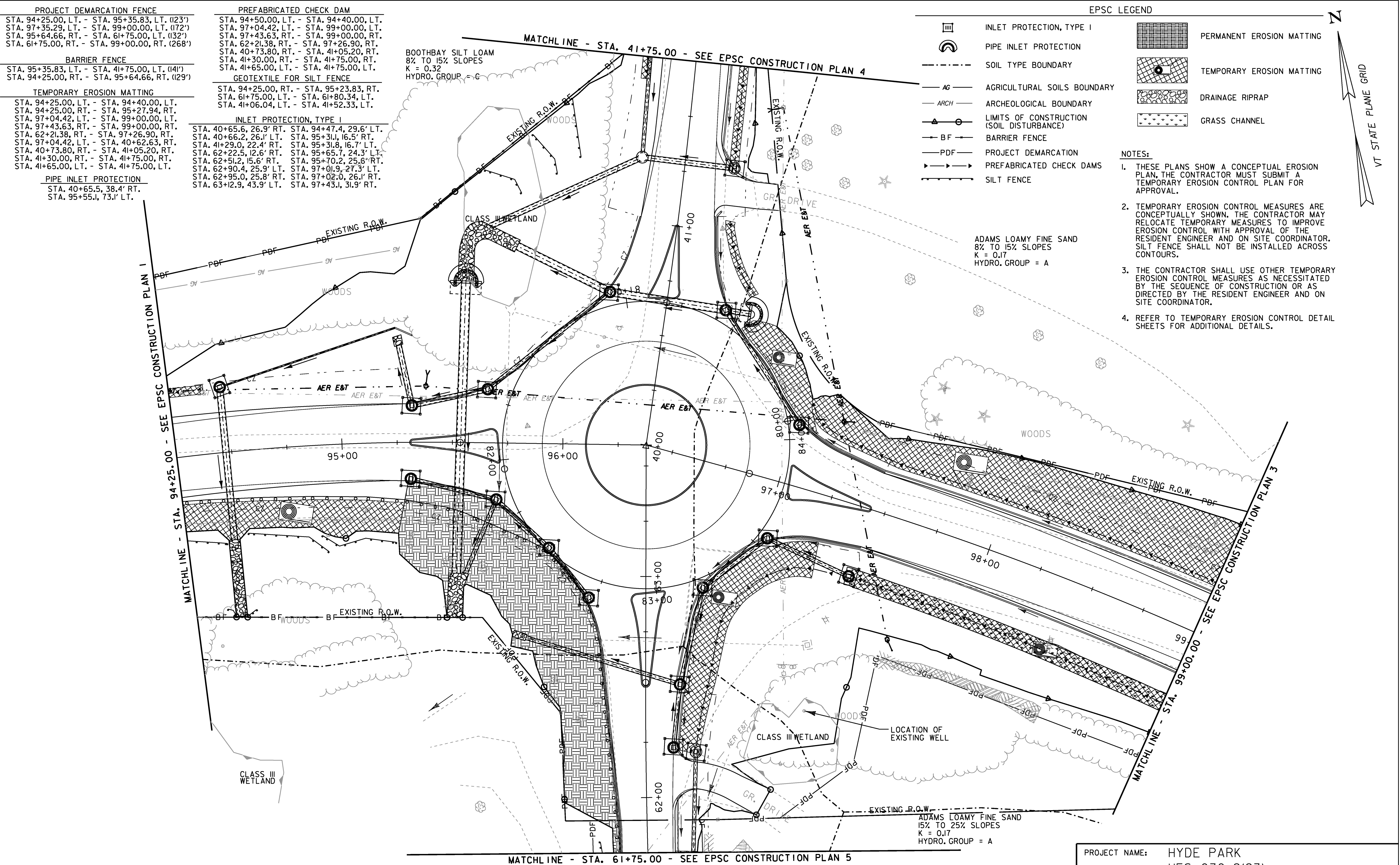
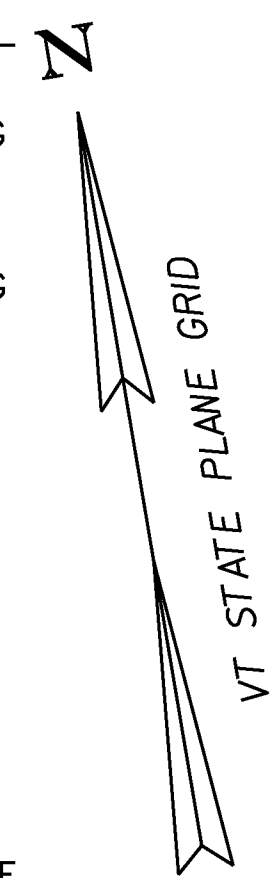
PERMANENT EROSION MATTING

TEMPORARY EROSION MATTING

DRAINAGE RIPRAP

GRASS CHANNEL

NOTES:
1. THESE PLANS SHOW A CONCEPTUAL EROSION PLAN. THE CONTRACTOR MUST SUBMIT A TEMPORARY EROSION CONTROL PLAN FOR APPROVAL.
2. TEMPORARY EROSION CONTROL MEASURES ARE CONCEPTUALLY SHOWN. THE CONTRACTOR MAY RELOCATE TEMPORARY MEASURES TO IMPROVE EROSION CONTROL WITH APPROVAL OF THE RESIDENT ENGINEER AND ON SITE COORDINATOR. SILT FENCE SHALL NOT BE INSTALLED ACROSS CONTOURS.
3. THE CONTRACTOR SHALL USE OTHER TEMPORARY EROSION CONTROL MEASURES AS NECESSITATED BY THE SEQUENCE OF CONSTRUCTION OR AS DIRECTED BY THE RESIDENT ENGINEER AND ON SITE COORDINATOR.
4. REFER TO TEMPORARY EROSION CONTROL DETAIL SHEETS FOR ADDITIONAL DETAILS.



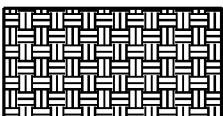
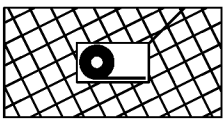
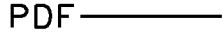
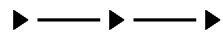
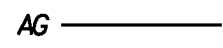
PROJECT NAME:	HYDE PARK
PROJECT NUMBER:	HES 030-2(23)
FILE NAME:	+08b126bdr.dgn
PROJECT LEADER:	JLS
DESIGNED BY:	MBL
EPSC CONSTRUCTION SITE PLAN 2	
PLOT DATE:	08-DEC-2010
DRAWN BY:	MBL
CHECKED BY:	JAD
SHEET 57	OF 100

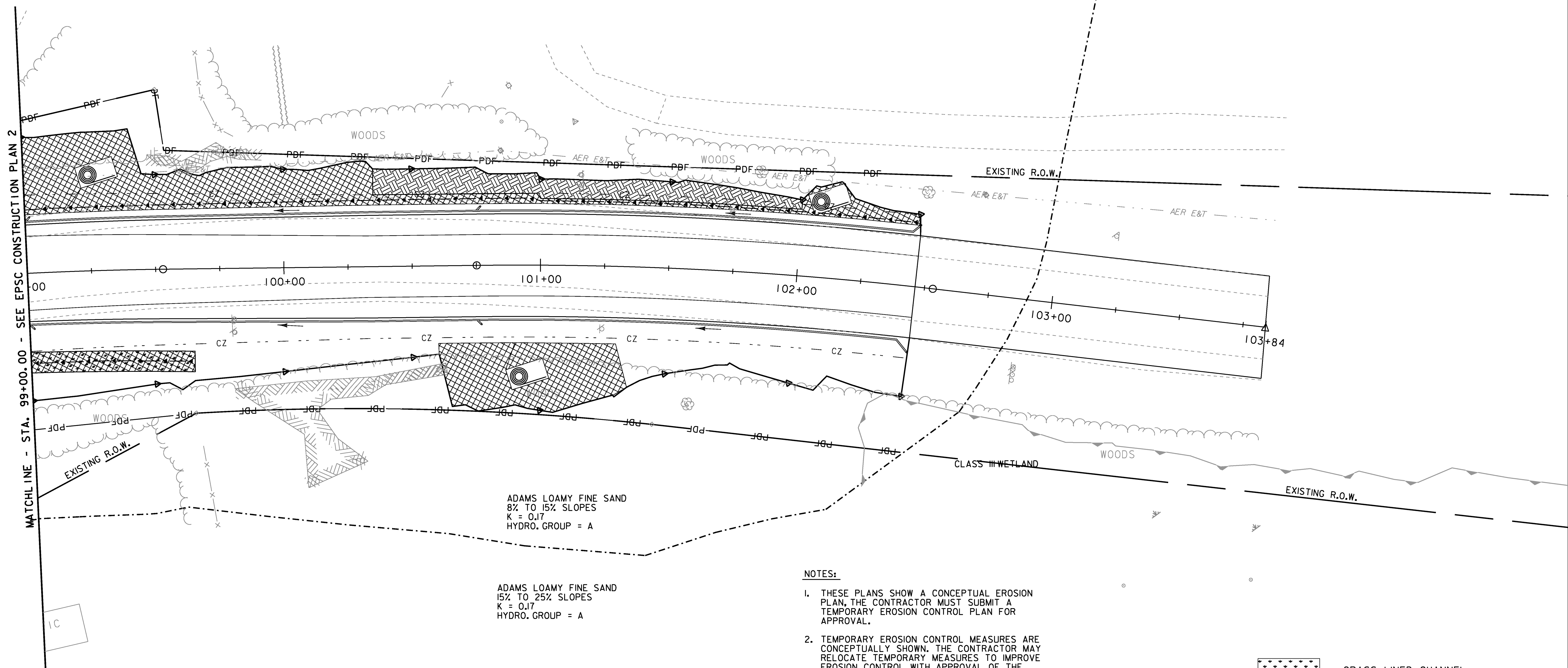
PROJECT DEMARCATION FENCE
STA. 99+00.00, LT. - STA. 102+46.30, LT. (375')
STA. 99+00.00, RT. - STA. 102+46.30, RT. (337')

TEMPORARY EROSION MATTING
STA. 99+00.00, LT. - STA. 102+46.30, LT.
STA. 99+00.00, RT. - STA. 99+65.00, RT.
STA. 100+60.00, RT. - STA. 101+34.97, RT.

PREFABRICATED CHECK DAM
STA. 99+00.00, LT. - STA. 102+46.30, LT.
STA. 99+00.00, RT. - STA. 99+65.00, RT.

EPSC LEGEND

-  PERMANENT EROSION MATTING
-  TEMPORARY EROSION MATTING
-  PROJECT DEMARCATION
-  PREFABRICATED CHECK DAMS
-  SILT FENCE
-  INLET PROTECTION, TYPE I
-  PIPE INLET PROTECTION
-  SOIL TYPE BOUNDARY
-  AGRICULTURAL SOILS BOUNDARY
-  ARCHEOLOGICAL BOUNDARY
-  LIMITS OF CONSTRUCTION (SOIL DISTURBANCE)



NOTES:

1. THESE PLANS SHOW A CONCEPTUAL EROSION PLAN, THE CONTRACTOR MUST SUBMIT A TEMPORARY EROSION CONTROL PLAN FOR APPROVAL.
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4. REFER TO TEMPORARY EROSION CONTROL DETAIL SHEETS FOR ADDITIONAL DETAILS.

0 20 40
SCALE IN FEET

PROJECT NAME: HYDE PARK
PROJECT NUMBER: HES 030-2(23)

FILE NAME: t08b126bdr.dgn
PROJECT LEADER: JLS
DESIGNED BY: MBL
EPSC CONSTRUCTION SITE PLAN 3

PLOT DATE: 08-DEC-2010
DRAWN BY: MBL
CHECKED BY: JAD
SHEET 58 OF 100

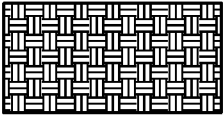
BARRIER FENCE
STA. 41+75.00, LT. - STA. 41+94.75, LT. (24')
STA. 41+89.98, RT. - STA. 42+76.68, RT. (88')

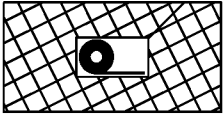
TEMPORARY EROSION MATTING
STA. 41+75.00, LT. - STA. 41+89.98, LT.
STA. 42+31.18, LT. - STA. 42+72.51, LT.
STA. 41+75.00, RT. - STA. 42+76.80, RT.

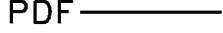
PREFABRICATED CHECK DAM
STA. 41+75.00, LT. - STA. 41+89.98, LT.
STA. 42+31.18, LT. - STA. 42+72.51, LT.
STA. 41+75.00, RT. - STA. 42+76.80, RT.

INLET PROTECTION, TYPE I
STA. 42+28.4, 21.0' LT.

EPSC LEGEND

 PERMANENT EROSION MATTING

 TEMPORARY EROSION MATTING

 PROJECT DEMARCATION

 PREFABRICATED CHECK DAMS

 SILT FENCE

 INLET PROTECTION, TYPE I

 PIPE INLET PROTECTION

 SOIL TYPE BOUNDARY

 AGRICULTURAL SOILS BOUNDARY

 ARCHEOLOGICAL BOUNDARY

 LIMITS OF CONSTRUCTION (SOIL DISTURBANCE)

 BARRIER FENCE

- NOTES:**
1. THESE PLANS SHOW A CONCEPTUAL EROSION PLAN, THE CONTRACTOR MUST SUBMIT A TEMPORARY EROSION CONTROL PLAN FOR APPROVAL.
 2. TEMPORARY EROSION CONTROL MEASURES ARE CONCEPTUALLY SHOWN. THE CONTRACTOR MAY RELOCATE TEMPORARY MEASURES TO IMPROVE EROSION CONTROL WITH APPROVAL OF THE RESIDENT ENGINEER AND ON SITE COORDINATOR. SILT FENCE SHALL NOT BE INSTALLED ACROSS CONTOURS.
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 4. REFER TO TEMPORARY EROSION CONTROL DETAIL SHEETS FOR ADDITIONAL DETAILS.

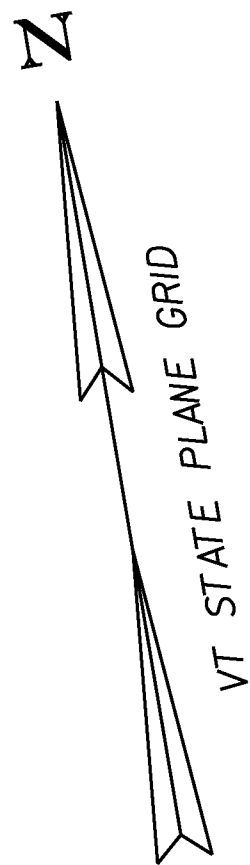
BOOTHBAY SILT LOAM
8% TO 15% SLOPES
K = 0.32
HYDRO. GROUP = C

PERU VERY STONY FINE SANDY LOAM
8% TO 15% SLOPES
K = 0.24
HYDRO. GROUP = C

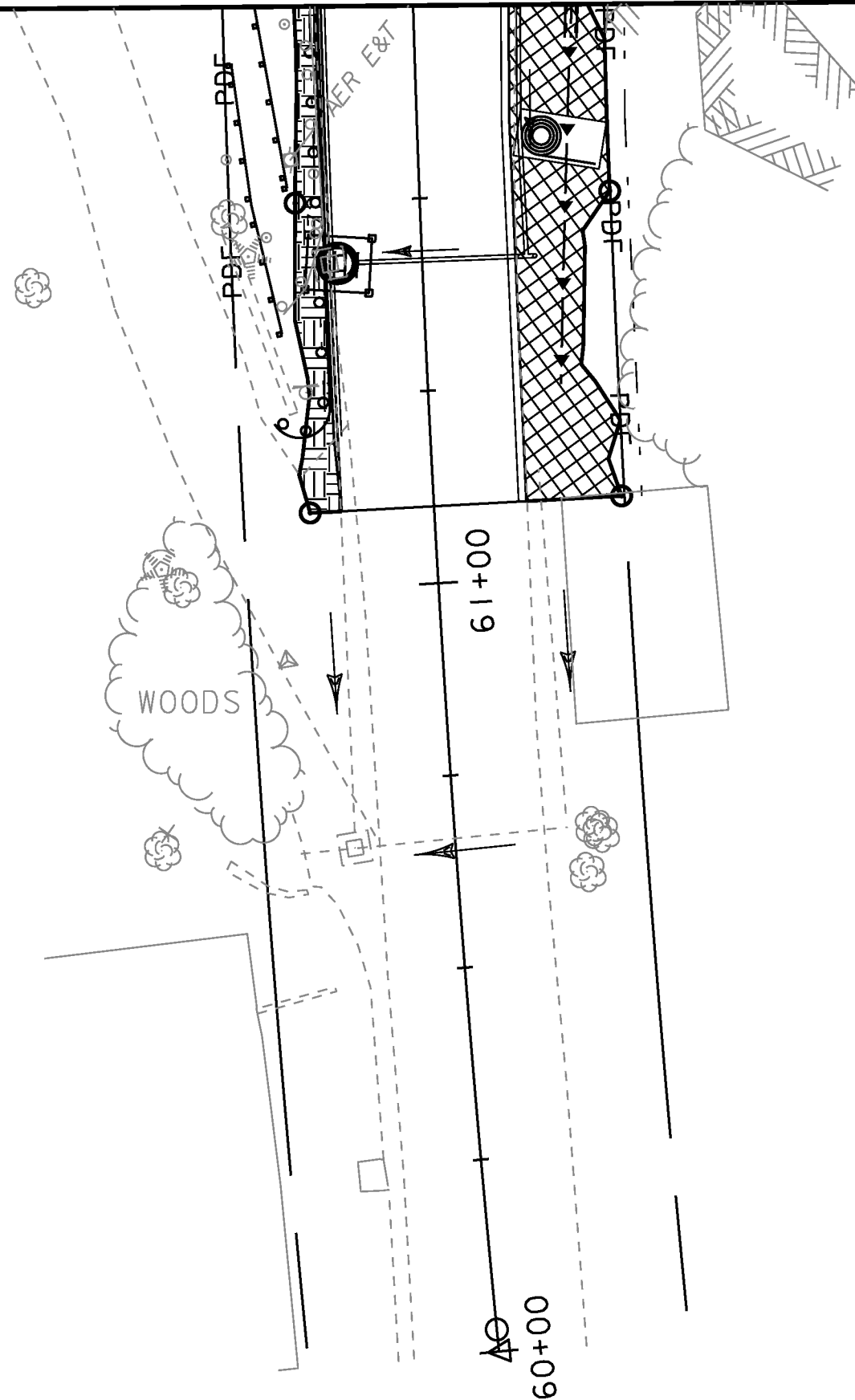
ADAMS LOAMY FINE SAND
8% TO 15% SLOPES
K = 0.17
HYDRO. GROUP = A



PROJECT NAME: HYDE PARK	
PROJECT NUMBER: HES 030-2(23)	
FILE NAME: +08bl26bdr.dgn	PLOT DATE: 08-DEC-2010
PROJECT LEADER: JLS	DRAWN BY: MBL
DESIGNED BY: MBL	CHECKED BY: JAD
EPSC CONSTRUCTION SITE PLAN 4	SHEET 59 OF 100

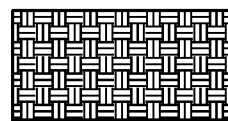


MATCHLINE - STA. 61+75.00 - SEE EPSC CONSTRUCTION PLAN 2

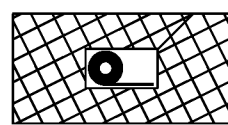


ADAMS LOAMY FINE SAND
15% TO 25% SLOPES
K = 0.17
HYDRO. GROUP = A

EPSC LEGEND



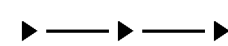
PERMANENT EROSION MATTING



TEMPORARY EROSION MATTING

PDF

PROJECT DEMARCATION



PREFABRICATED CHECK DAMS



SILT FENCE



INLET PROTECTION, TYPE I



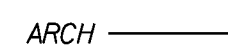
PIPE INLET PROTECTION



SOIL TYPE BOUNDARY



AGRICULTURAL SOILS BOUNDARY



ARCHEOLOGICAL BOUNDARY



LIMITS OF CONSTRUCTION
(SOIL DISTURBANCE)

NOTES:

1. THESE PLANS SHOW A CONCEPTUAL EROSION PLAN. THE CONTRACTOR MUST SUBMIT A TEMPORARY EROSION CONTROL PLAN FOR APPROVAL.
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4. REFER TO TEMPORARY EROSION CONTROL DETAIL SHEETS FOR ADDITIONAL DETAILS.

INLET PROTECTION, TYPE I
STA. 61+42.0, LT.

PROJECT DEMARCATION FENCE
STA. 61+10.00, LT. - STA. 61+75.00, LT.
STA. 61+10.00, RT. - STA. 61+75.00, RT.

TEMPORARY EROSION MATTING
STA. 61+10.00, RT. - STA. 61+75.00, RT.

PREFABRICATED CHECK DAM
STA. 61+10.00, RT. - STA. 61+75.00, RT.

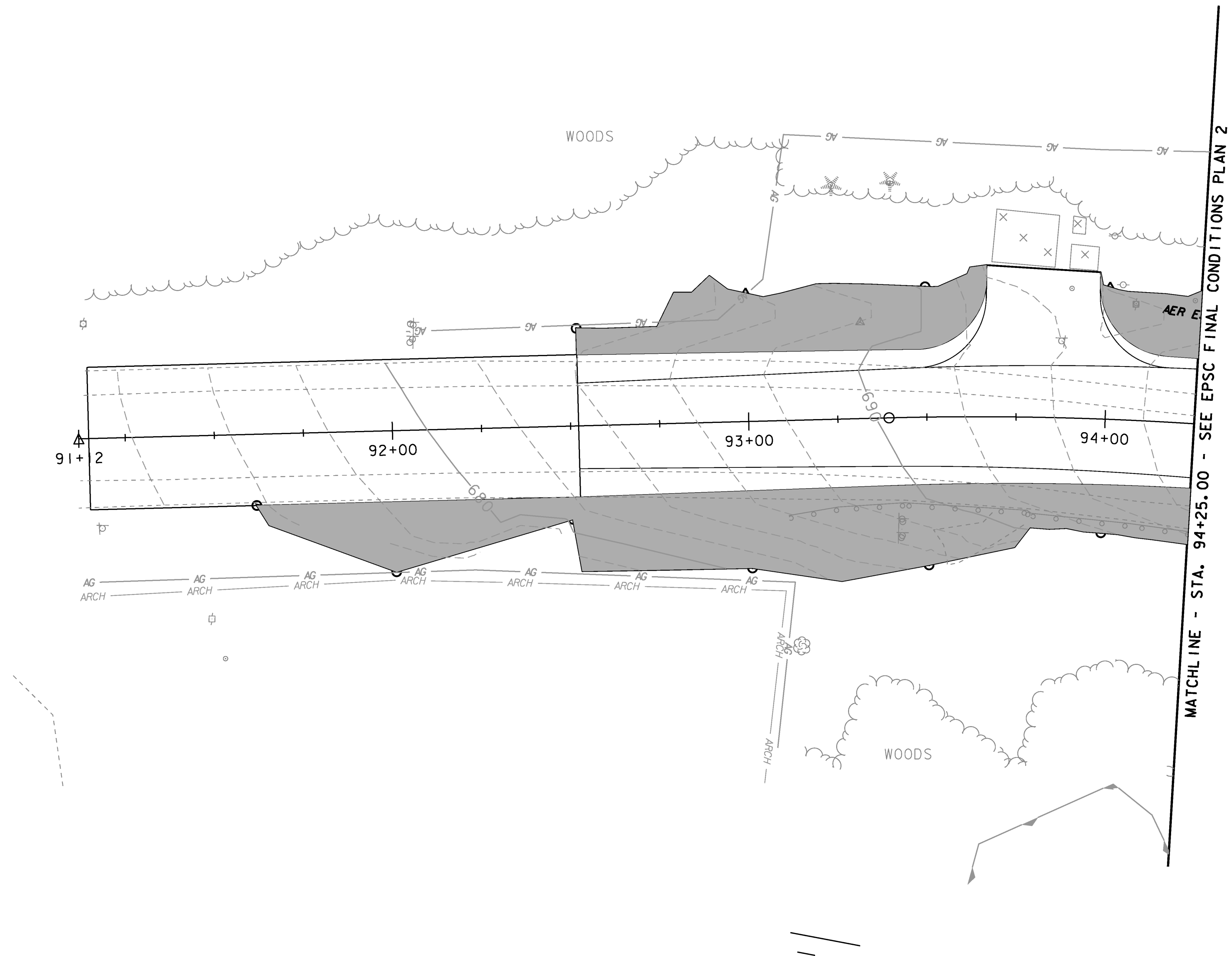
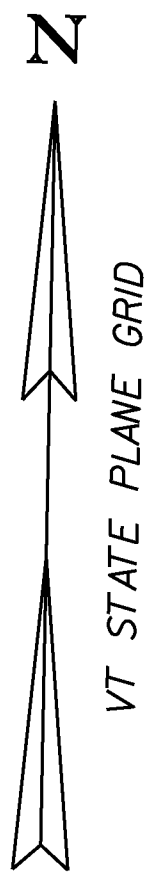
GEOTEXTILE FOR SILT FENCE
STA. 61+33.24, LT. - STA. 61+75.00, LT.

0 20 40
SCALE IN FEET

PROJECT NAME: HYDE PARK
PROJECT NUMBER: HES 030-2(23)

FILE NAME: t08b126bdr.dgn
PROJECT LEADER: JLS
DESIGNED BY: MBL
EPSC CONSTRUCTION SITE PLAN 5

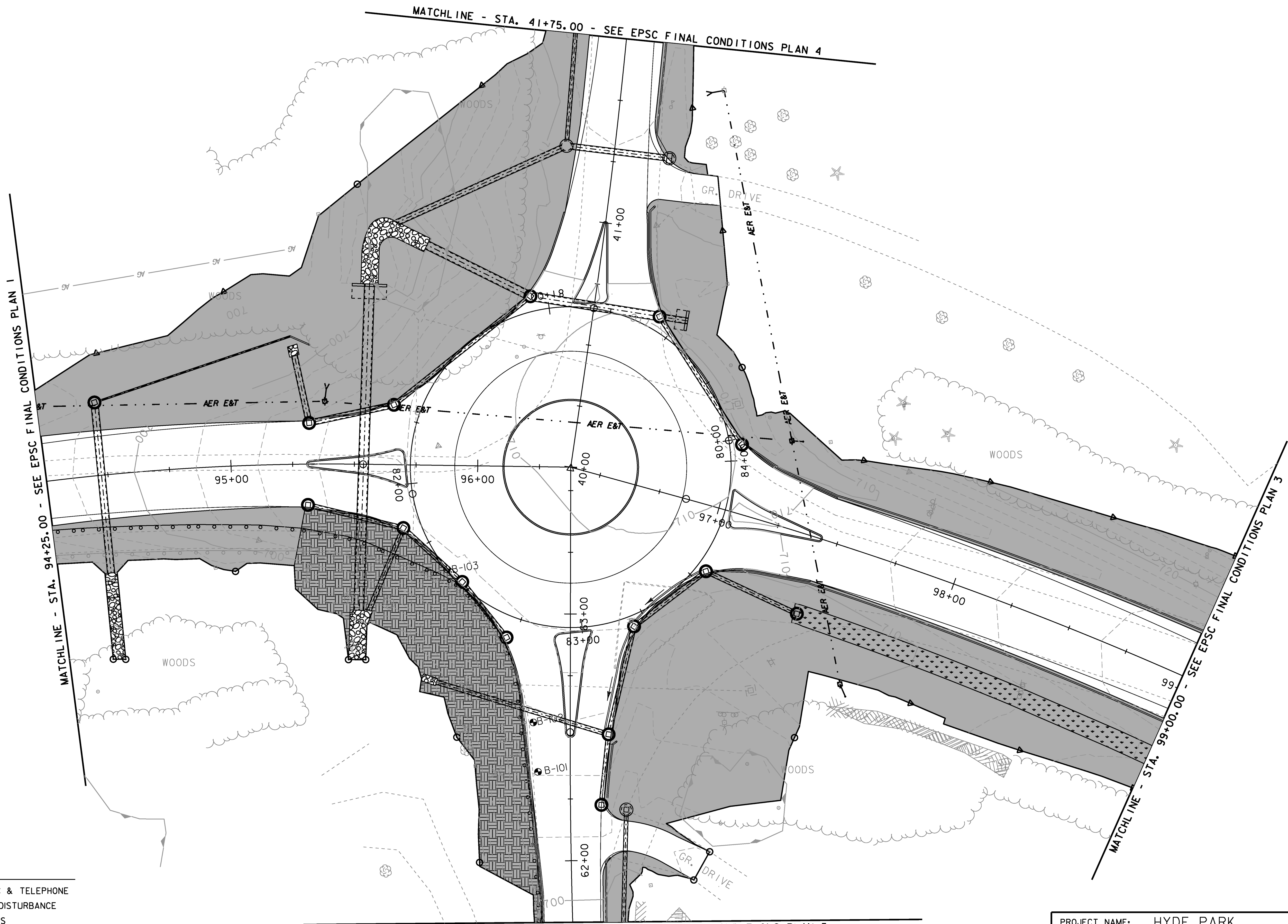
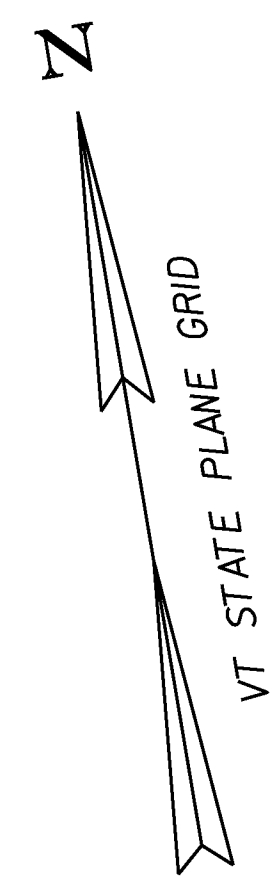
PLOT DATE: 08-DEC-2010
DRAWN BY: MBL
CHECKED BY: JAD
SHEET 60 OF 100



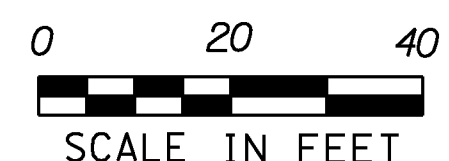
EPSC LEGEND	
	AER E&T — AERIAL ELECTRIC & TELEPHONE
	—△—○— LIMITS OF SOIL DISTURBANCE
	DISTURBED AREAS REQUIRING RE-VEGETATION

0 20 40
SCALE IN FEET

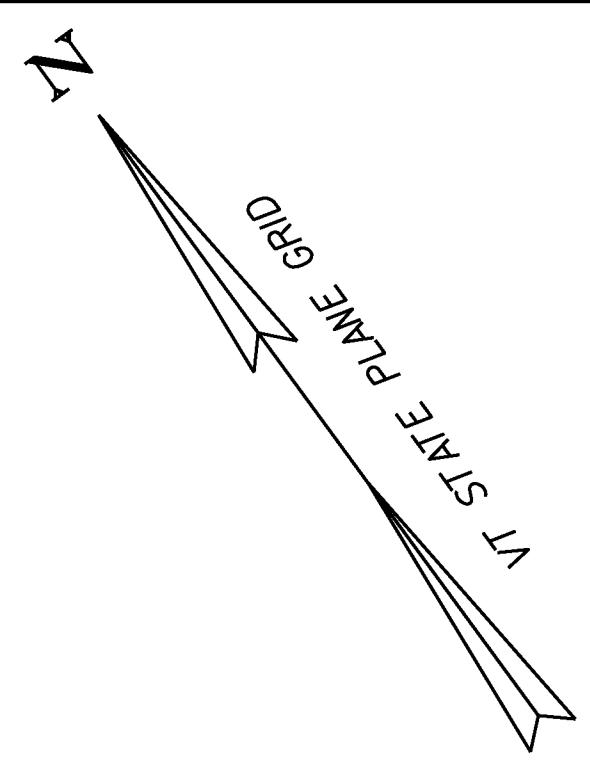
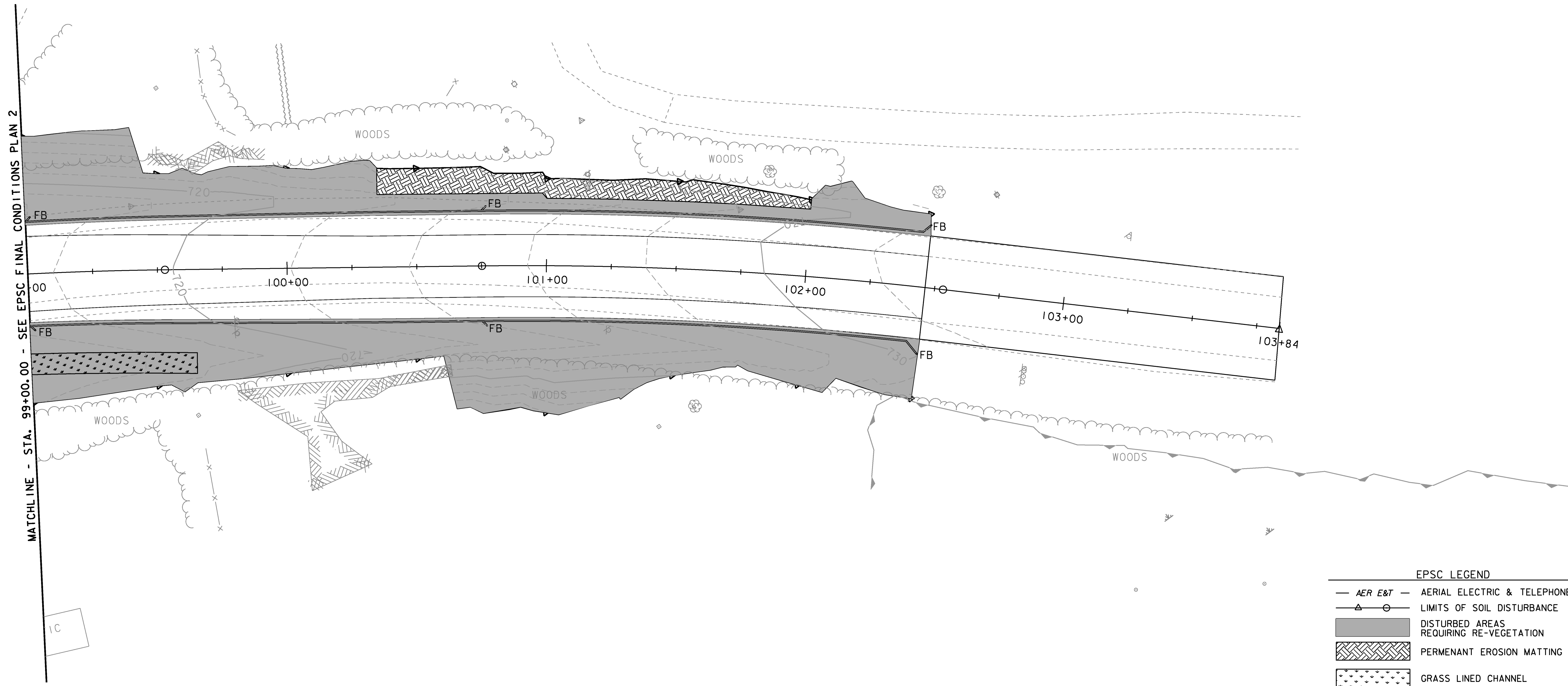
PROJECT NAME: HYDE PARK	
PROJECT NUMBER: HES 030-2(23)	
FILE NAME: t08b126bdr.dgn	PLOT DATE: 08-DEC-2010
PROJECT LEADER: JLS	DRAWN BY: MBL
DESIGNED BY: MBL	CHECKED BY: JAD
EPSC FINAL CONDITIONS SITE PLAN 1	SHEET 61 OF 100



EPSC LEGEND	
	AERIAL ELECTRIC & TELEPHONE
	LIMITS OF SOIL DISTURBANCE
	DISTURBED AREAS REQUIRING RE-VEGETATION
	GRASS LINED CHANNEL
	STONE FILL
	PERMANENT EROSION MATTING



PROJECT NAME:	HYDE PARK	FILE NAME:	+08b126bdr.dgn	PLOT DATE:	21-DEC-2010
PROJECT NUMBER:	HES 030-2(23)	PROJECT LEADER:	JLS	DRAWN BY:	MBL
		DESIGNED BY:	MBL	CHECKED BY:	JAD
		EPSC FINAL CONDITIONS SITE PLAN 2		SHEET	62 OF 100



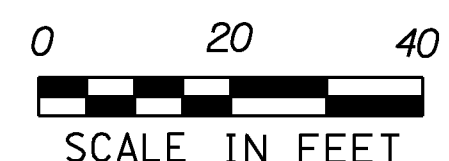
MATCHLINE - STA. 99+00.00 - SEE EPSC FINAL CONDITIONS PLAN 2

IC

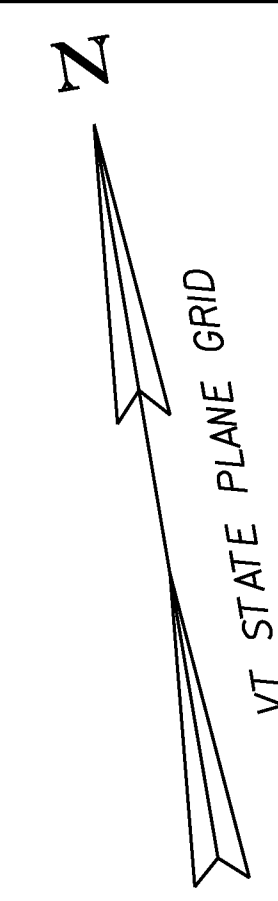
FUTURE SEPTIC SYSTEM

EPSC LEGEND

- AER E&T AERIAL ELECTRIC & TELEPHONE
- LIMITS OF SOIL DISTURBANCE
- DISTURBED AREAS REQUIRING RE-VEGETATION
- PERMENANT EROSION MATTING
- GRASS LINED CHANNEL



PROJECT NAME: HYDE PARK	
PROJECT NUMBER: HES 030-2(23)	
FILE NAME: +08bl26bdr.dgn	PLOT DATE: 08-DEC-2010
PROJECT LEADER: JLS	DRAWN BY: MBL
DESIGNED BY: MBL	CHECKED BY: JAD
EPSC FINAL CONDITIONS SITE PLAN 3	SHEET 63 OF 100



EPSC LEGEND

AER E&T

AERIAL ELECTRIC & TELEPHONE

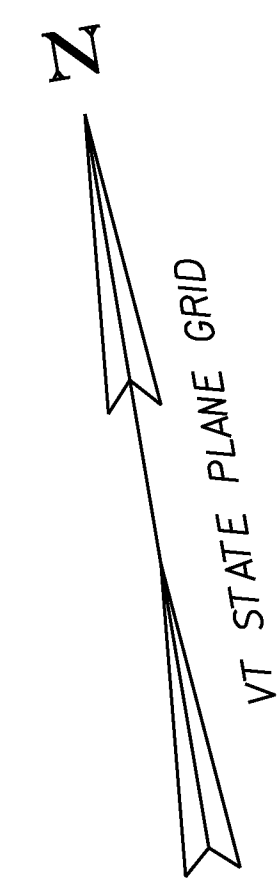
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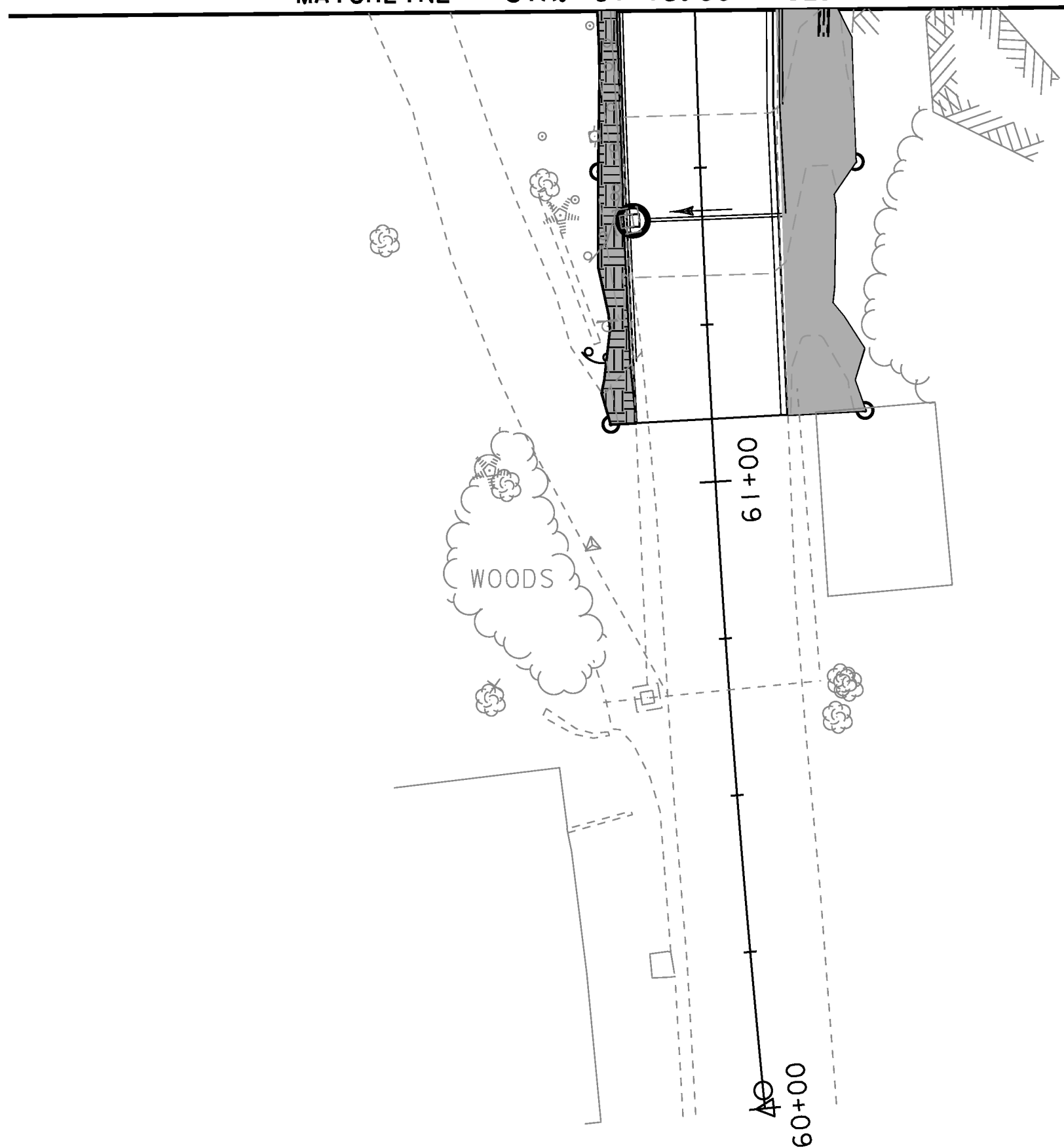
LIMITS OF SOIL DISTURBANCE

DISTURBED AREAS
REQUIRING RE-VEGETATION

PROJECT NAME: HYDE PARK	
PROJECT NUMBER: HES 030-2(23)	
FILE NAME: +08b126bdr.dgn	PLOT DATE: 08-DEC-2010
PROJECT LEADER: JLS	DRAWN BY: MBL
DESIGNED BY: MBL	CHECKED BY: JAD
EPSC FINAL CONDITIONS SITE PLAN 4	SHEET 64 OF 100

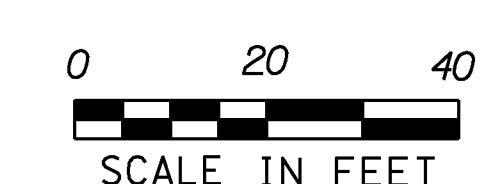


MATCHLINE - STA. 61+75.00 - SEE EPSC FINAL CONDITIONS PLAN 2

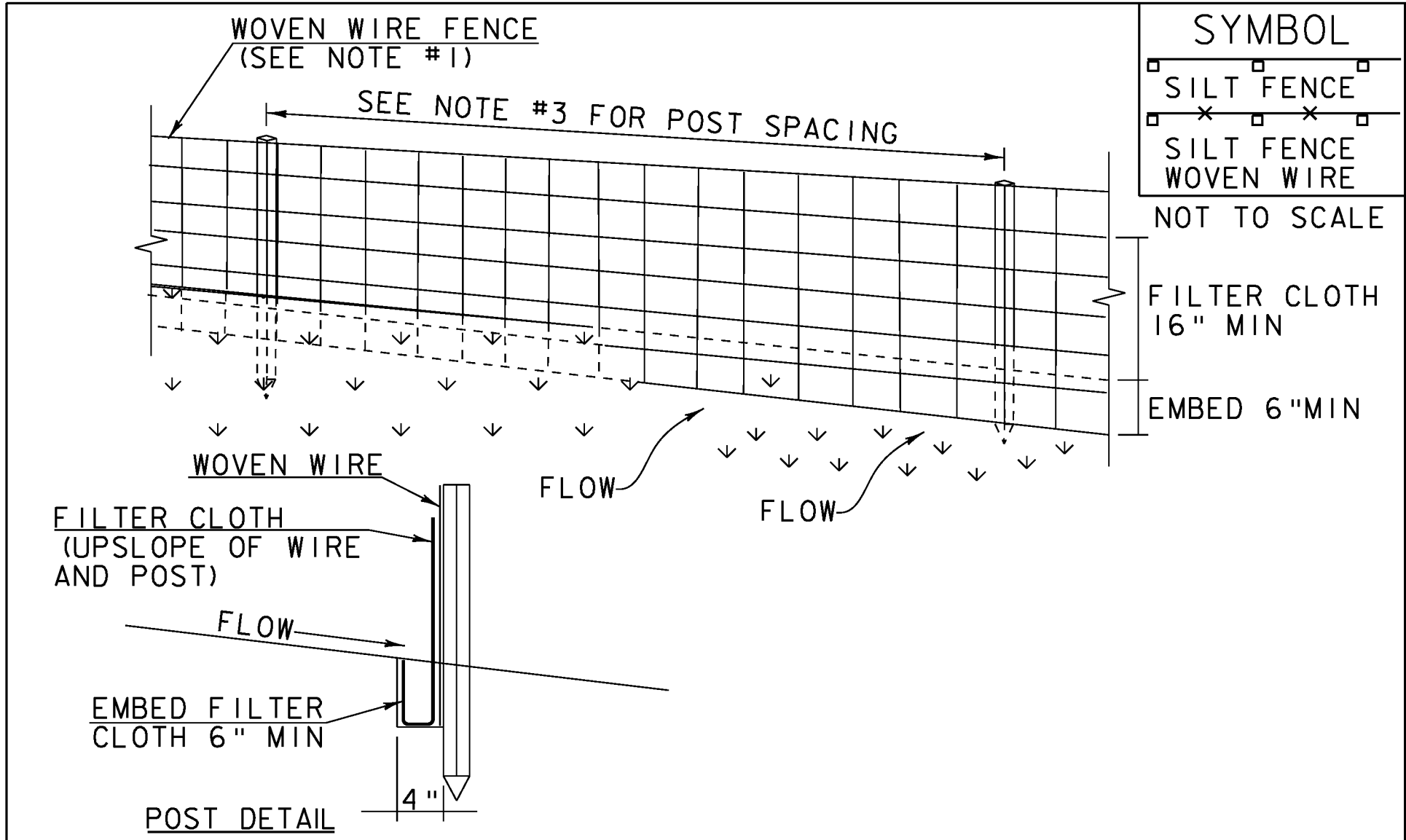


EPSC LEGEND

- AER E&T — AERIAL ELECTRIC & TELEPHONE
- △ — ○ — LIMITS OF SOIL DISTURBANCE
- DISTURBED AREAS REQUIRING RE-VEGETATION
- ▨ PERMANENT EROSION MATTING

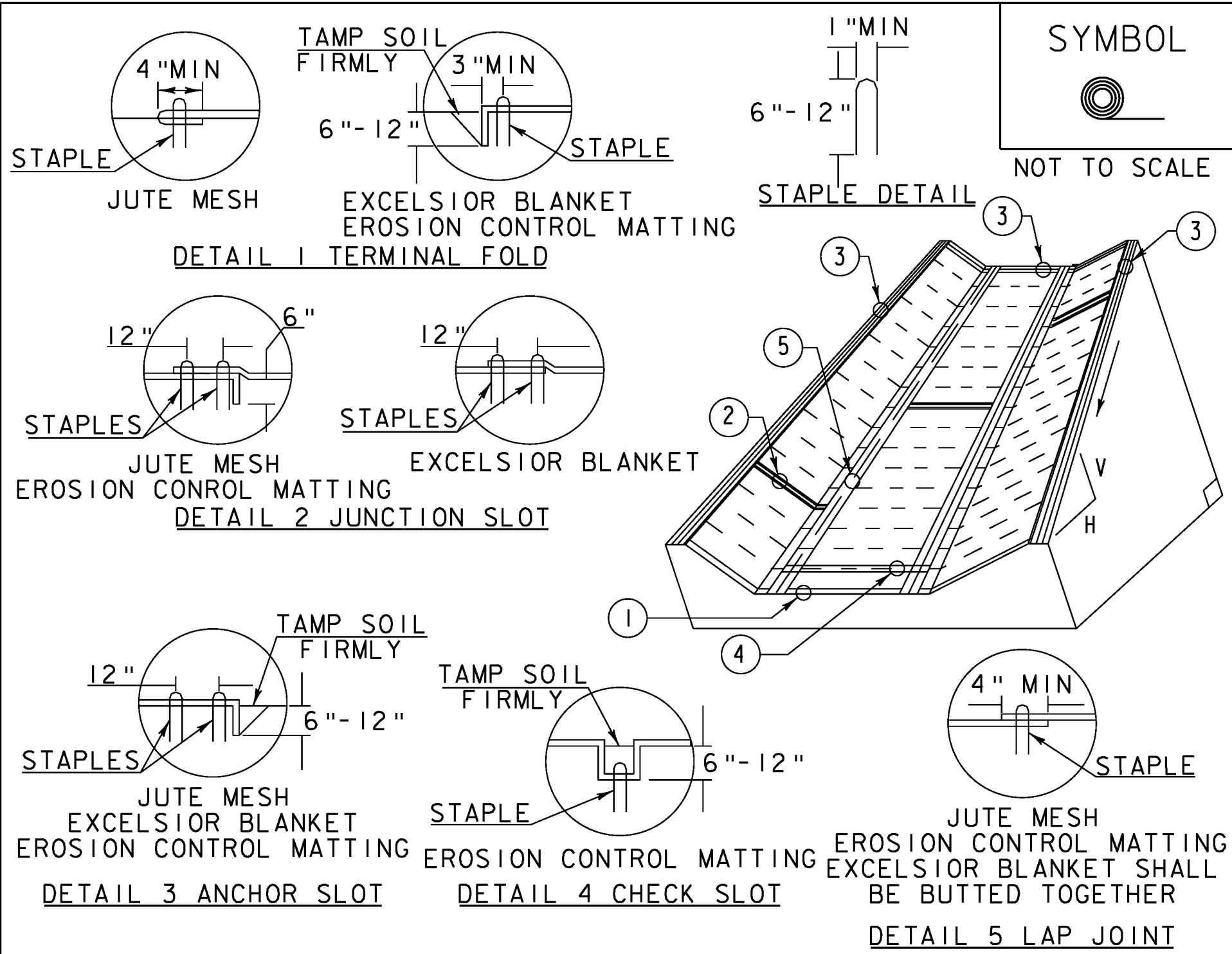


PROJECT NAME: HYDE PARK	
PROJECT NUMBER: HES 030-2(23)	
FILE NAME: t08b126bdr.dgn	PLOT DATE: 08-DEC-2010
PROJECT LEADER: JLS	DRAWN BY: MBL
DESIGNED BY: MBL	CHECKED BY: JAD
EPSC FINAL CONDITIONS SITE PLAN 5	SHEET 65 OF 100



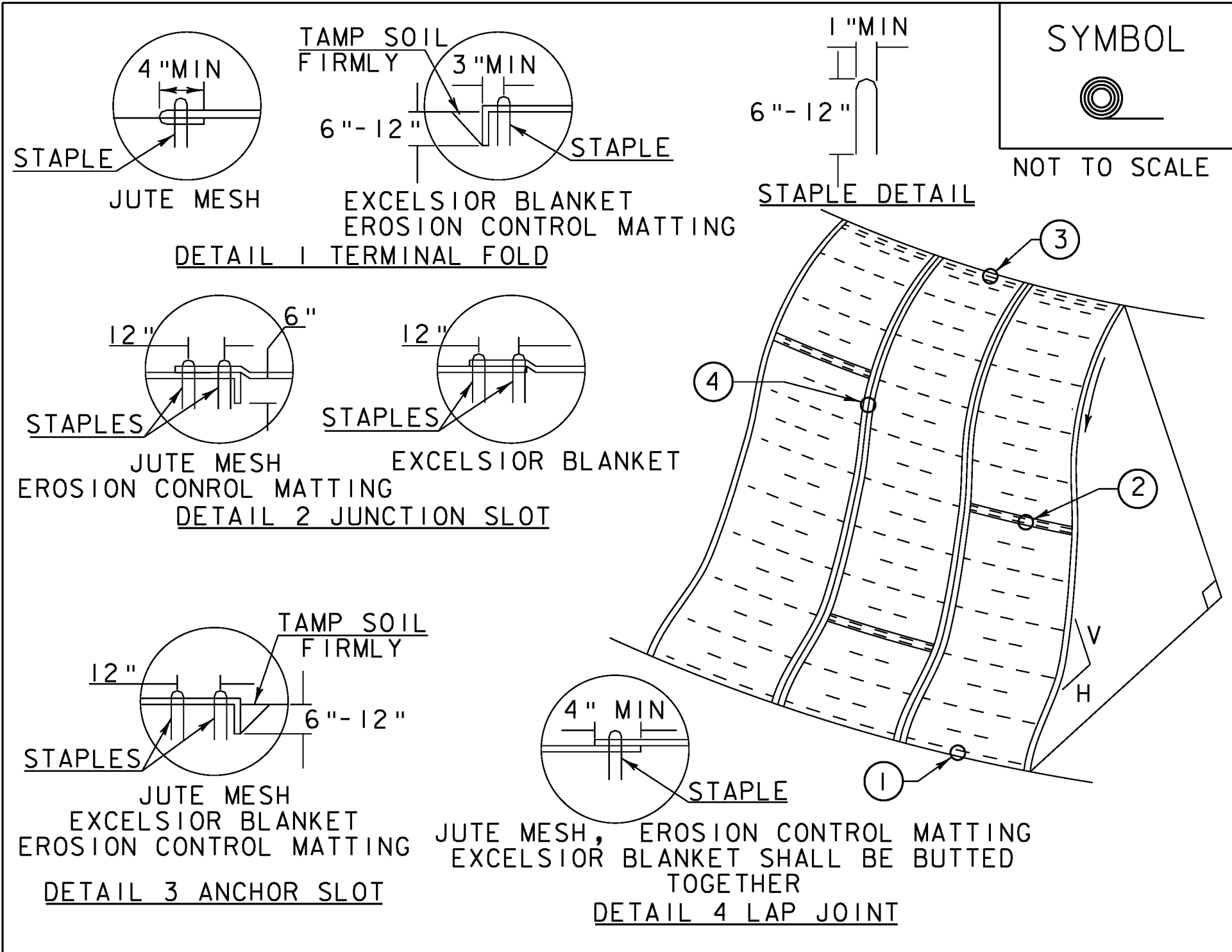
- CONSTRUCTION SPECIFICATIONS
1. WOVEN WIRE REINFORCED FENCE. IS REQUIRED WITHIN 100' UPSLOPE OF RECEIVING WATERS WHEN THE PROJECT FALLS UNDER A CONSTRUCTION STORMWATER PERMIT. WOVEN WIRE SHALL BE A MIN.14 GAUGE WITH A 6" MAX. MESH OPENING.
 2. FILTER CLOTH SHALL BE EITHER FILTER X, MIRAFI100X, STABILINKA 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. PREFABRICATED UNITS SHALL BE GEOFAB, ENVIROFENCE, OR APPROVED EQUIVALENT.
 7. 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.	
THIS WORK SHALL BE PERFORMED IN ACCORDANCE WITH SECTION 649 AND AS SHOWN IN THE PLANS FOR GEOTEXTILE FOR SILT FENCE (PAY ITEM 649.5) OR GEOTEXTILE FOR SILT FENCE, WOVEN WIRE REINFORCED (PAY ITEM 649.5)5).	
REVISIONS	
MARCH 21, 2008	WHF
DECEMBER 11, 2008	WHF
JANUARY 13, 2009	WHF



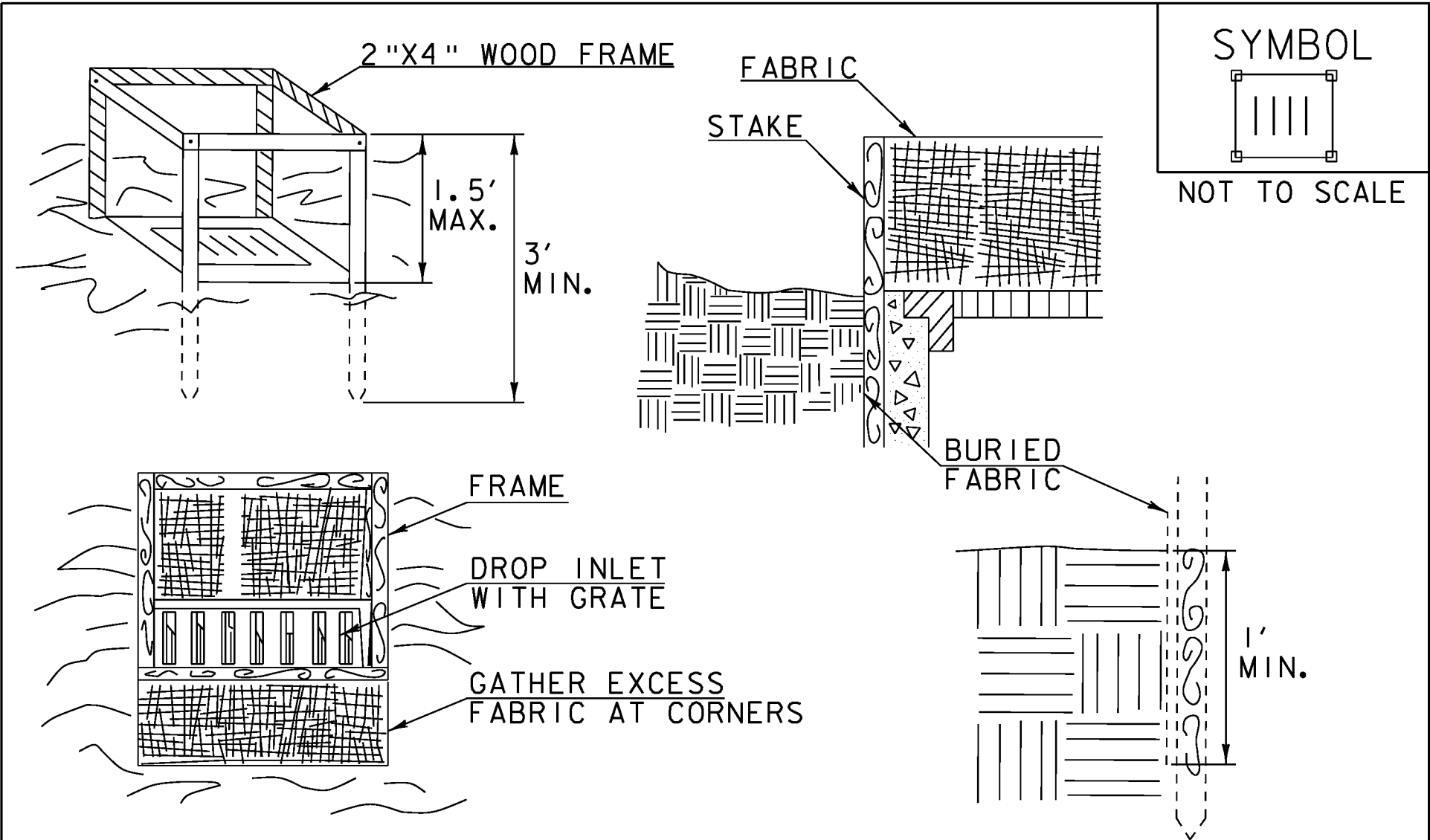
- CONSTRUCTION SPECIFICATIONS
1. EROSION MATTING, CHECK SLOTS, SHALL BE SPACED IN DITCH CHANNEL SO THAT ONE OCCURS WITHIN EACH 50' ON SLOPES OF MORE THAN 4% AND LESS THAN 6%. ON SLOPES OF 6% OR MORE, THEY SHALL BE SPACED SO THAT ONE OCCURS WITHIN EACH 25'.
 2. APPLY FERTILIZER, LIME SEED PRIOR TO PLACING 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) DITCH
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) OR PERMANENT EROSION MATTING (PAY ITEM 653.2)1).	
REVISIONS	
MARCH 8, 2007	JMF
APRIL 16, 2007	WHF
JANUARY 13, 2009	WHF



- 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) OR PERMANENT EROSION MATTING (PAY ITEM 653.2)1).	
REVISIONS	
APRIL 16, 2007	JMF
JANUARY 13, 2009	WHF



CONSTRUCTION SPECIFICATIONS

1. FILTER FABRIC SHALL HAVE AN APPARENT OPENING SIZE OF 40-85. BURLAP MAY BE USED FOR SHORT TERM APPLICATIONS.
2. CUT FABRIC FROM A CONTINUOUS ROLL TO ELIMINATE JOINTS. IF JOINTS ARE NEEDED THEY WILL BE OVERLAPPED TO THE NEXT STAKE.
3. STAKE MATERIALS WILL BE STANDARD 2"x 4" WOOD OR EQUIVALENT METAL WITH A MINIMUM LENGTH OF 3'.
4. SPACE STAKES EVENLY AROUND INLET 3' APART AND DRIVE A MINIMUM 18" DEEP. SPANS GREATER THAN 3' MAY BE BRIDGED WITH THE USE OF WIRE MESH BEHIND THE FILTER FABRIC FOR SUPPORT.
5. FABRIC SHALL BE EMBEDDED 1' MINIMUM BELOW GROUND AND BACKFILLED. IT SHALL BE SECURELY FASTENED TO THE STAKES AND FRAME.
6. A 2' x 4' WOOD FRAME SHALL BE COMPLETED AROUND THE CREST OF THE FABRIC FOR OVER FLOW STABILITY.
7. MAXIMUM DRAINAGE AREA 1ACRE

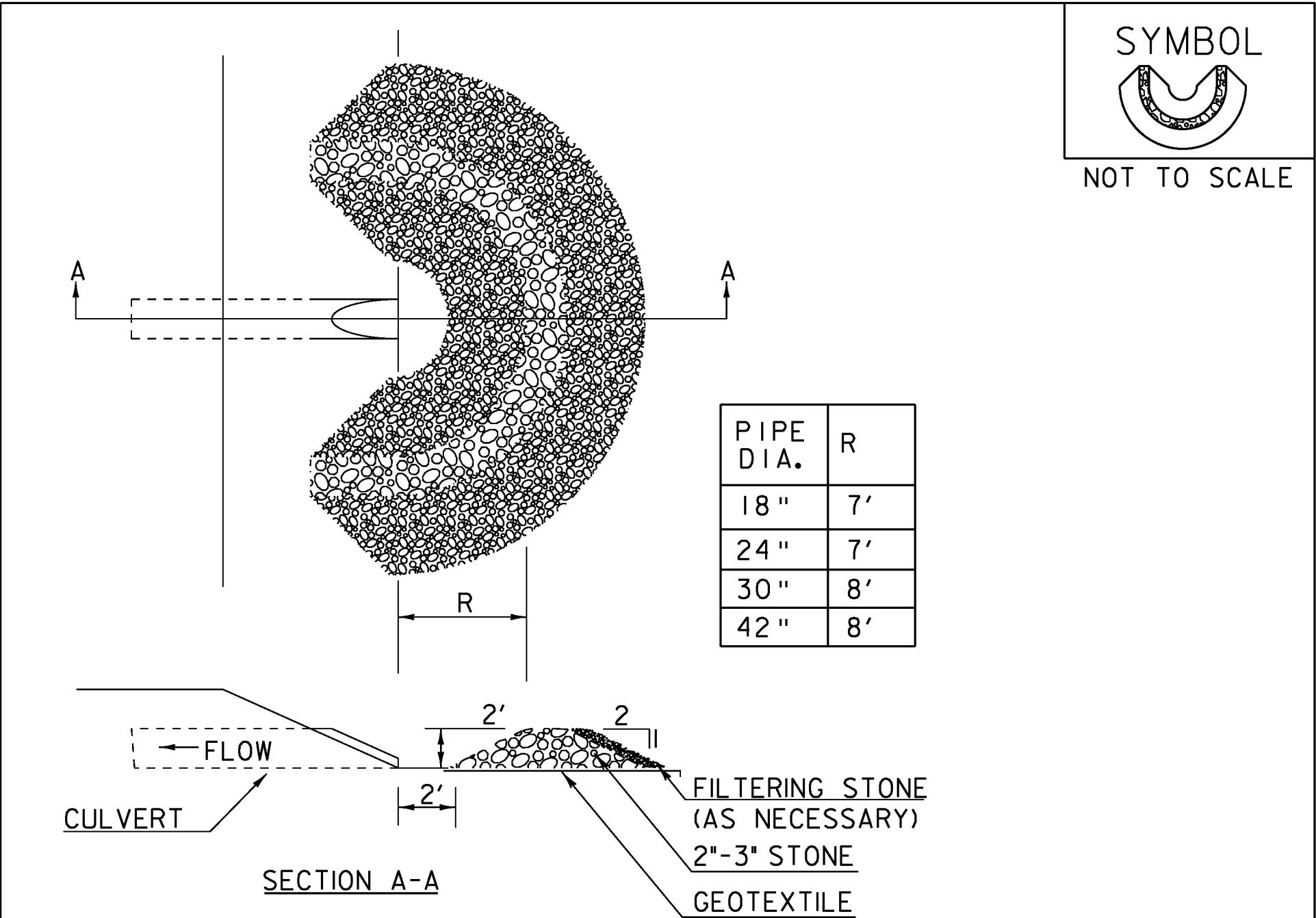
ADAPTED FROM DETAILS PROVIDED BY: NEW YORK STATE DEC
ORIGINALLY DEVELOPED BY USDA-NRCS
VERMONT DEPARTMENT OF ENVIRONMENTAL CONSERVATION

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 INLET PROTECTION DEVICE, TYPE I(PAY
ITEM 653.40).

FILTER FABRIC
DROP INLET
PROTECTION

REVISIONS	
MARCH 7, 2008	WHF
JANUARY 13, 2009	WHF



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.

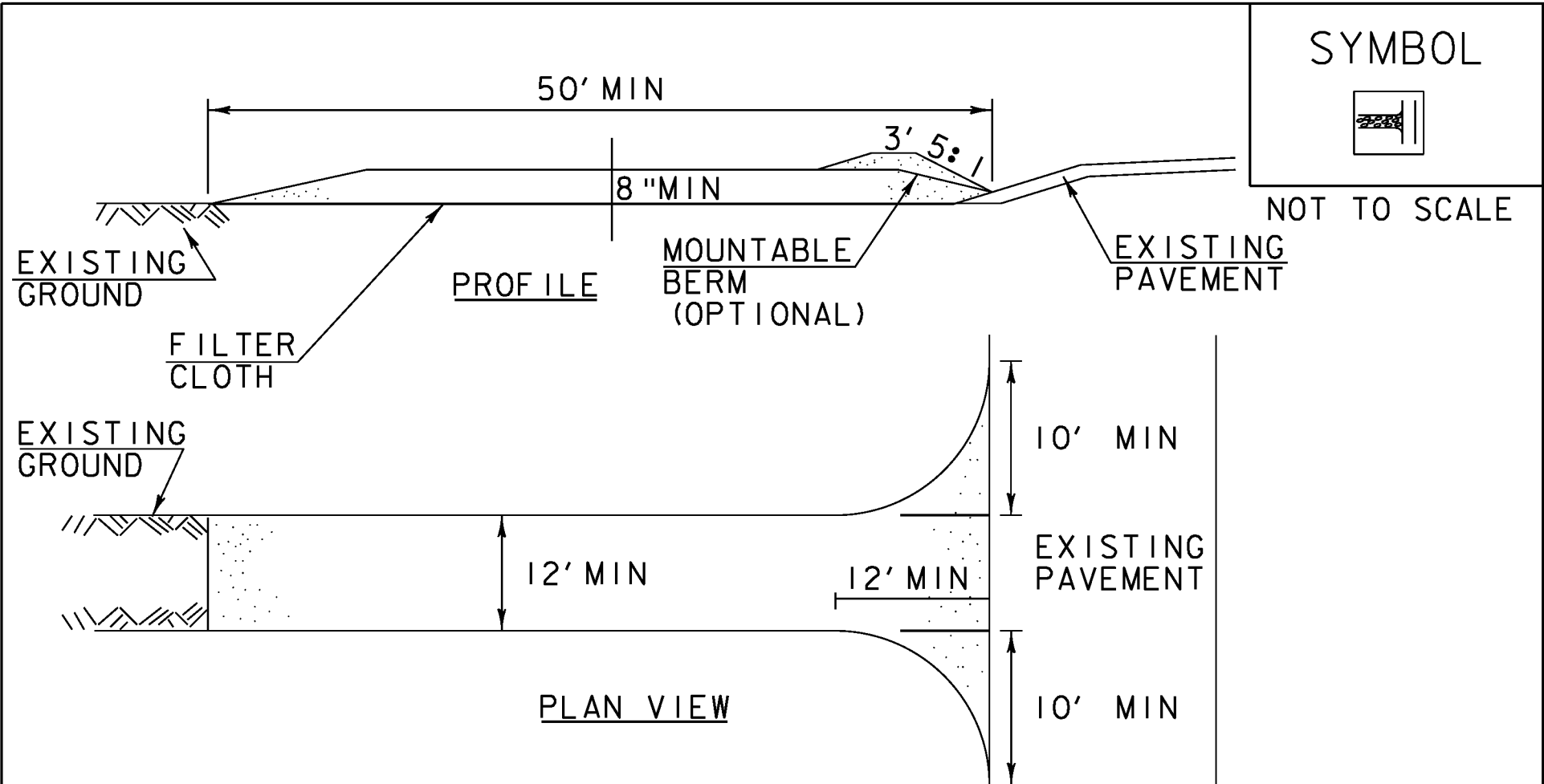
ADAPTED FROM DETAILS PROVIDED BY: ILLINOIS USDA-NRCS
ORIGINALLY DEVELOPED BY USDA-NRCS

PIPE INLET
PROTECTION

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

REVISIONS

MARCH 6, 2008	WHF
JANUARY 13, 2009	WHF



CONSTRUCTION SPECIFICATIONS

1. STONE SIZE- USE 1-4" STONE, RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.
2. LENGTH- NOT LESS THAN 50' (EXCEPT ON A SINGLE RESIDENCE LOT WHERE A 30' MINIMUM LENGTH APPLIES).
3. THICKNESS- NOT LESS THAN 8".
4. WIDTH- 12' MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS. 24' IF SINGLE ENTRANCE TO SITE.
5. GEOTEXTILE MUST BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING STONE.
6. SURFACE WATER- ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED BENEATH THE ENTRANCE, IF PIPING IS IMPRACTICAL, A MOUNTABLE BERM WITH 5:1 SLOPES WILL BE PERMITTED.
7. MAINTENANCE- THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY, ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY.
8. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.
9. PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED ACCORDING TO PERMIT REQUIREMENTS.

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

STABILIZED
CONSTRUCTION
ENTRANCE

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 VEHICLE TRACKING PAD (PAY ITEM 653.35)
OR AS SPECIFIED IN THE CONTRACT.

REVISIONS

MARCH 24, 2008	WHF
JANUARY 13, 2009	WHF

SYMBOL



VAOT RURAL AREA SEED MIX					
% WEIGHT	LBS/AC		NAME	GERM %	PURITY %
	BROADCAST	HYDROSEED			
37.50%	22.5	45	CREEPING RED FESCUE	85%	98%
37.50%	22.5	45	TALL FESCUE	90%	95%
5.00%	3	6	RED TOP	90%	95%
15.00%	9	18	BIRDSFOOT TREFOIL	85%	98%
5.00%	3	6	ANNUAL RYE GRASS	85%	95%
100.00%	60	120			

VAOT URBAN AREA SEED MIX					
% WEIGHT	LBS/AC		NAME	GERM %	PURITY %
	BROADCAST	HYDROSEED			
42.50%	34	68	CREEPING RED FESCUE	85%	98%
10.00%	8	16	PERENNIAL RYE GRASS	90%	95%
42.50%	34	68	KENTUCKY BLUE GRASS	85%	85%
5.00%	4	8	ANNUAL RYE GRASS	85%	95%
100.00%	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 BE PLACED AT THE RATE OF 500 LBS./ACRE AND 2 TONS/ACRE RESPECTIVELY 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.
9. MOWING: RECOMMENDED EARLY MOWING ONCE OR TWICE WHEN GRASS REACHES 6 INCH MAXIMUM HEIGHT TO PREVENT BROADLEAF WEED COMPETITION DURING ESTABLISHMENT PERIOD.

TURF
ESTABLISHMENT

VAOT SAND & GRAVEL SITE CONSERVATION SEED MIX					
% WEIGHT	LBS/AC		NAME	GERM %	PURITY %
	BROADCAST	HYDROSEED			
32.00%	--	4	SWITCH GRASS	VARIES	VARIES
32.00%	--	4	BIG BLUESTEM	VARIES	VARIES
16.00%	--	2	LITTLE BLUESTEM	VARIES	VARIES
12.00%	--	2	SAND LOVEGRASS	VARIES	VARIES
8.00%	--	1	BLACKEYED SUSAN	VARIES	VARIES
100.00%	0	13			

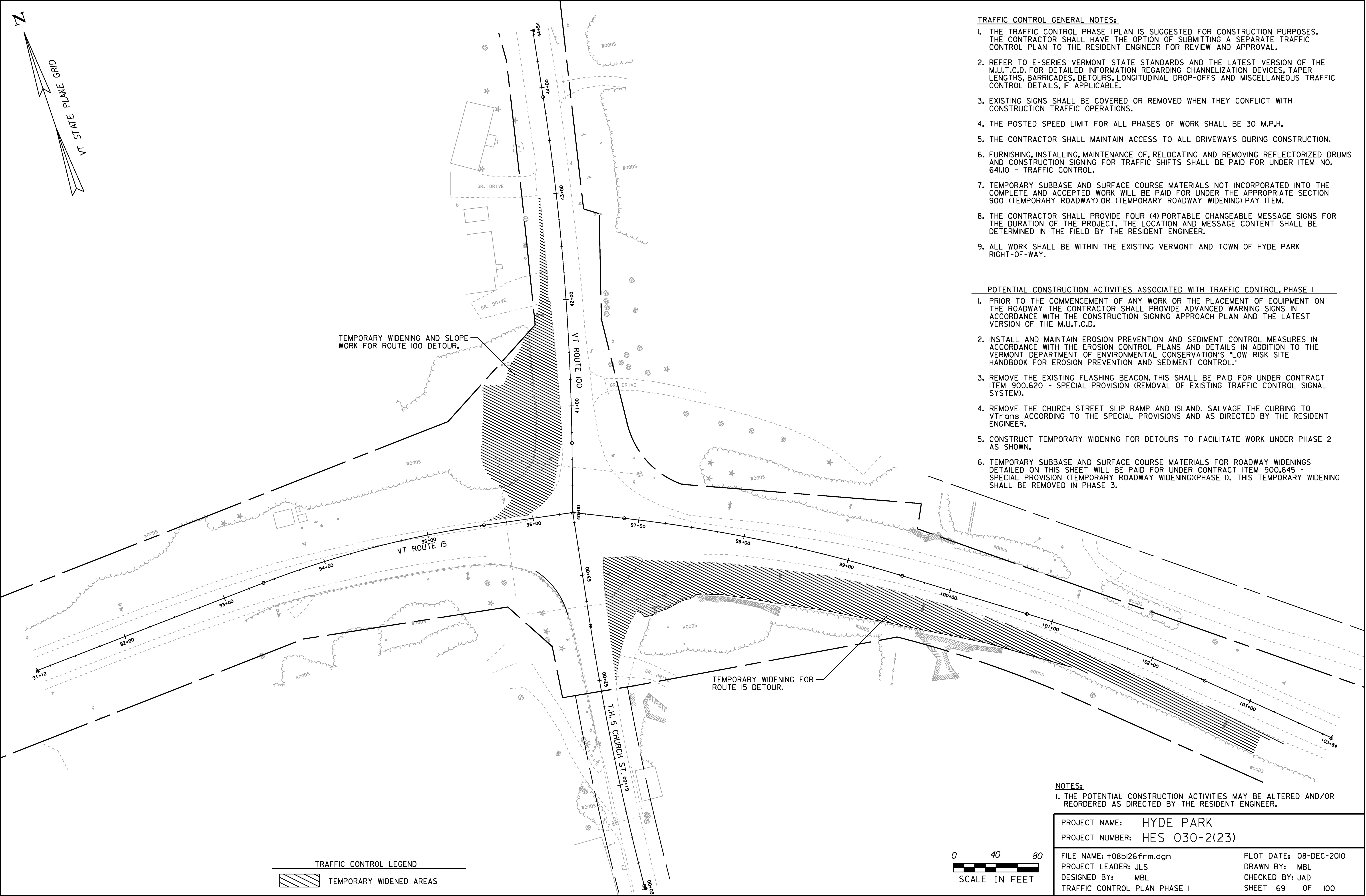
CONSTRUCTION GUIDANCE

1. SEEDING SHALL BE COMPLETED BY THE USE OF A HYDROSEEDER AND DOZER COMBINATION.
2. USE DOZER TO TRACK THE SITE. SLOPES SHALL BE TRACKED UP AND DOWN, NOT SIDE TO SIDE.
3. ONLY CLEAN, WEED-FREE STRAW MULCH SHALL BE USED.
4. SEE TURF ESTABLISHMENT NOTES FOR MULCH, FERTILIZER AND LIMESTONE APPLICATION RATES.

DRY SWALE
SEEDING

PROJECT NAME: HYDE PARK
PROJECT NUMBER: HES 030-2(23)

FILE NAME: t08bl26frm.dgn	PLOT DATE: 08-DEC-2010
PROJECT LEADER: JLS	DRAWN BY: MBL
DESIGNED BY: MBL	CHECKED BY: JAD
EPSC DETAILS SHEET 3	SHEET 68 OF 100



TRAFFIC CONTROL GENERAL NOTES:

1. THE TRAFFIC CONTROL PHASE I PLAN IS SUGGESTED FOR CONSTRUCTION PURPOSES. THE CONTRACTOR SHALL HAVE THE OPTION OF SUBMITTING A SEPARATE TRAFFIC CONTROL PLAN TO THE RESIDENT ENGINEER FOR REVIEW AND APPROVAL.
2. REFER TO E-SERIES VERMONT STATE STANDARDS AND THE LATEST VERSION OF THE M.U.T.C.D. FOR DETAILED INFORMATION REGARDING CHANNELIZATION DEVICES, TAPER LENGTHS, BARRICADES, DETOURS, LONGITUDINAL DROP-OFFS AND MISCELLANEOUS TRAFFIC CONTROL DETAILS, IF APPLICABLE.
3. EXISTING SIGNS SHALL BE COVERED OR REMOVED WHEN THEY CONFLICT WITH CONSTRUCTION TRAFFIC OPERATIONS.
4. THE POSTED SPEED LIMIT FOR ALL PHASES OF WORK SHALL BE 30 M.P.H.
5. THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL DRIVEWAYS DURING CONSTRUCTION.
6. FURNISHING, INSTALLING, MAINTENANCE OF, RELOCATING AND REMOVING REFLECTORIZED DRUMS AND CONSTRUCTION SIGNING FOR TRAFFIC SHIFTS SHALL BE PAID FOR UNDER ITEM NO. 641.10 - TRAFFIC CONTROL.
7. TEMPORARY SUBBASE AND SURFACE COURSE MATERIALS NOT INCORPORATED INTO THE COMPLETE AND ACCEPTED WORK WILL BE PAID FOR UNDER THE APPROPRIATE SECTION 900 (TEMPORARY ROADWAY) OR (TEMPORARY ROADWAY WIDENING) PAY ITEM.
8. THE CONTRACTOR SHALL PROVIDE FOUR (4) PORTABLE CHANGEABLE MESSAGE SIGNS FOR THE DURATION OF THE PROJECT. THE LOCATION AND MESSAGE CONTENT SHALL BE DETERMINED IN THE FIELD BY THE RESIDENT ENGINEER.
9. ALL WORK SHALL BE WITHIN THE EXISTING VERMONT AND TOWN OF HYDE PARK RIGHT-OF-WAY.

POTENTIAL CONSTRUCTION ACTIVITIES ASSOCIATED WITH TRAFFIC CONTROL, PHASE I

1. PRIOR TO THE COMMENCEMENT OF ANY WORK OR THE PLACEMENT OF EQUIPMENT ON THE ROADWAY THE CONTRACTOR SHALL PROVIDE ADVANCED WARNING SIGNS IN ACCORDANCE WITH THE CONSTRUCTION SIGNING APPROACH PLAN AND THE LATEST VERSION OF THE M.U.T.C.D.
2. INSTALL AND MAINTAIN EROSION PREVENTION AND SEDIMENT CONTROL MEASURES IN ACCORDANCE WITH THE EROSION CONTROL PLANS AND DETAILS IN ADDITION TO THE VERMONT DEPARTMENT OF ENVIRONMENTAL CONSERVATION'S "LOW RISK SITE HANDBOOK FOR EROSION PREVENTION AND SEDIMENT CONTROL."
3. REMOVE THE EXISTING FLASHING BEACON. THIS SHALL BE PAID FOR UNDER CONTRACT ITEM 900.620 - SPECIAL PROVISION (REMOVAL OF EXISTING TRAFFIC CONTROL SIGNAL SYSTEM).
4. REMOVE THE CHURCH STREET SLIP RAMP AND ISLAND. SALVAGE THE CURBING TO VITRONS ACCORDING TO THE SPECIAL PROVISIONS AND AS DIRECTED BY THE RESIDENT ENGINEER.
5. CONSTRUCT TEMPORARY WIDENING FOR DETOURS TO FACILITATE WORK UNDER PHASE 2 AS SHOWN.
6. TEMPORARY SUBBASE AND SURFACE COURSE MATERIALS FOR ROADWAY WIDENINGS DETAILED ON THIS SHEET WILL BE PAID FOR UNDER CONTRACT ITEM 900.645 - SPECIAL PROVISION (TEMPORARY ROADWAY WIDENING)(PHASE I). THIS TEMPORARY WIDENING SHALL BE REMOVED IN PHASE 3.

NOTES:

1. THE POTENTIAL CONSTRUCTION ACTIVITIES MAY BE ALTERED AND/OR REORDERED AS DIRECTED BY THE RESIDENT ENGINEER.

PROJECT NAME: HYDE PARK
PROJECT NUMBER: HES 030-2(23)

FILE NAME: +08bl26frm.dgn
PROJECT LEADER: JLS
DESIGNED BY: MBL
TRAFFIC CONTROL PLAN PHASE I

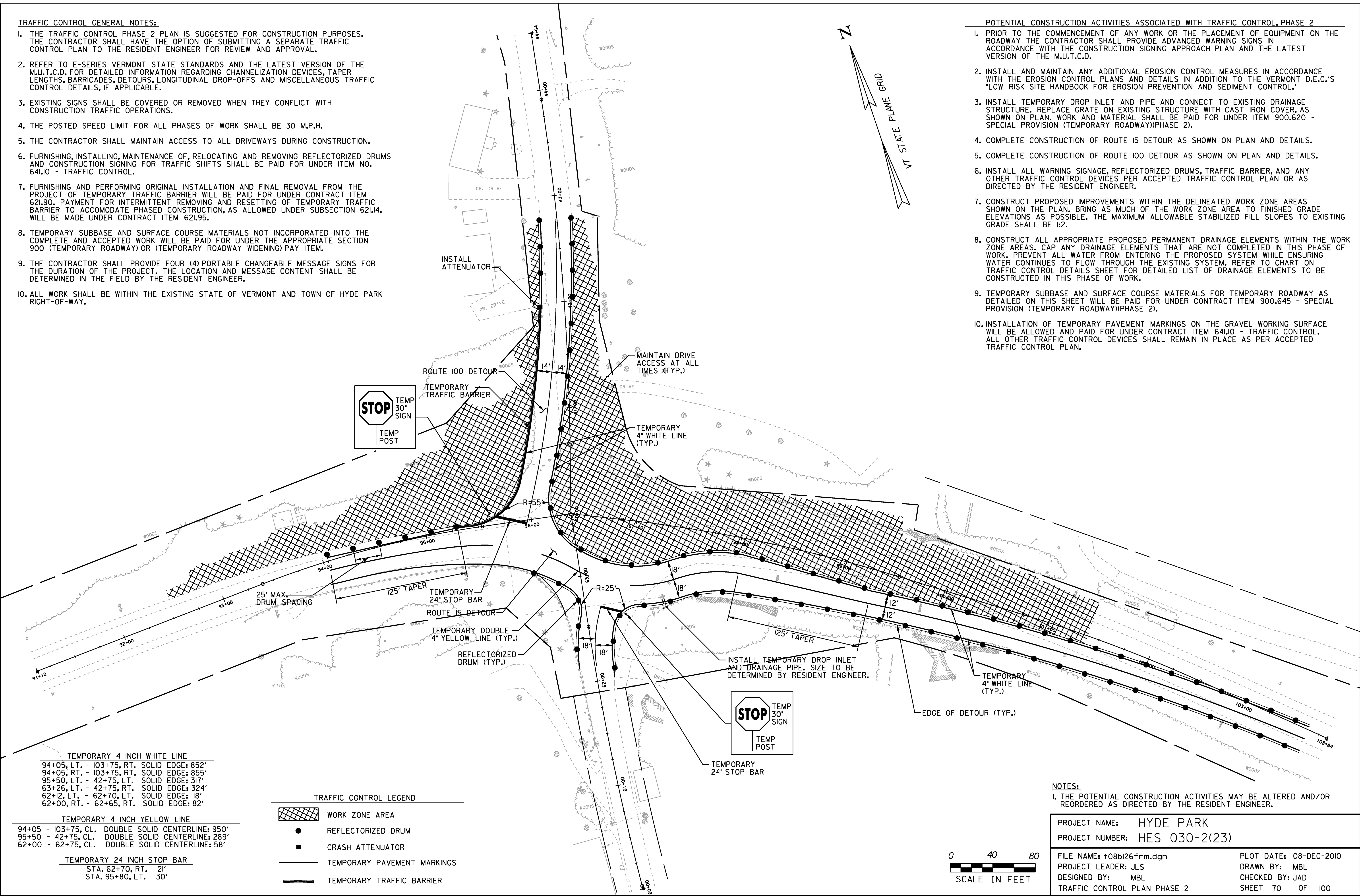
PLOT DATE: 08-DEC-2010
DRAWN BY: MBL
CHECKED BY: JAD
SHEET 69 OF 100

TRAFFIC CONTROL GENERAL NOTES:

1. THE TRAFFIC CONTROL PHASE 2 PLAN IS SUGGESTED FOR CONSTRUCTION PURPOSES. THE CONTRACTOR SHALL HAVE THE OPTION OF SUBMITTING A SEPARATE TRAFFIC CONTROL PLAN TO THE RESIDENT ENGINEER FOR REVIEW AND APPROVAL.
2. REFER TO E-SERIES VERMONT STATE STANDARDS AND THE LATEST VERSION OF THE M.U.T.C.D. FOR DETAILED INFORMATION REGARDING CHANNELIZATION DEVICES, TAPER LENGTHS, BARRICADES, DETOURS, LONGITUDINAL DROP-OFFS AND MISCELLANEOUS TRAFFIC CONTROL DETAILS, IF APPLICABLE.
3. EXISTING SIGNS SHALL BE COVERED OR REMOVED WHEN THEY CONFLICT WITH CONSTRUCTION TRAFFIC OPERATIONS.
4. THE POSTED SPEED LIMIT FOR ALL PHASES OF WORK SHALL BE 30 M.P.H.
5. THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL DRIVEWAYS DURING CONSTRUCTION.
6. FURNISHING, INSTALLING, MAINTENANCE OF, RELOCATING AND REMOVING REFLECTORIZED DRUMS AND CONSTRUCTION SIGNING FOR TRAFFIC SHIFTS SHALL BE PAID FOR UNDER ITEM NO. 641.10 - TRAFFIC CONTROL.
7. FURNISHING AND PERFORMING ORIGINAL INSTALLATION AND FINAL REMOVAL FROM THE PROJECT OF TEMPORARY TRAFFIC BARRIER WILL BE PAID FOR UNDER CONTRACT ITEM 621.90. PAYMENT FOR INTERMITTENT REMOVING AND RESETTNG OF TEMPORARY TRAFFIC BARRIER TO ACCOMODATE PHASED CONSTRUCTION, AS ALLOWED UNDER SUBSECTION 621.14, WILL BE MADE UNDER CONTRACT ITEM 621.95.
8. TEMPORARY SUBBASE AND SURFACE COURSE MATERIALS NOT INCORPORATED INTO THE COMPLETE AND ACCEPTED WORK WILL BE PAID FOR UNDER THE APPROPRIATE SECTION 900 (TEMPORARY ROADWAY) OR (TEMPORARY ROADWAY WIDENING) PAY ITEM.
9. THE CONTRACTOR SHALL PROVIDE FOUR (4) PORTABLE CHANGEABLE MESSAGE SIGNS FOR THE DURATION OF THE PROJECT. THE LOCATION AND MESSAGE CONTENT SHALL BE DETERMINED IN THE FIELD BY THE RESIDENT ENGINEER.
10. ALL WORK SHALL BE WITHIN THE EXISTING STATE OF VERMONT AND TOWN OF HYDE PARK RIGHT-OF-WAY.

POTENTIAL CONSTRUCTION ACTIVITIES ASSOCIATED WITH TRAFFIC CONTROL, PHASE 2

1. PRIOR TO THE COMMENCEMENT OF ANY WORK OR THE PLACEMENT OF EQUIPMENT ON THE ROADWAY THE CONTRACTOR SHALL PROVIDE ADVANCED WARNING SIGNS IN ACCORDANCE WITH THE CONSTRUCTION SIGNING APPROACH PLAN AND THE LATEST VERSION OF THE M.U.T.C.D.
2. INSTALL AND MAINTAIN ANY ADDITIONAL EROSION CONTROL MEASURES IN ACCORDANCE WITH THE EROSION CONTROL PLANS AND DETAILS IN ADDITION TO THE VERMONT D.E.C.'S "LOW RISK SITE HANDBOOK FOR EROSION PREVENTION AND SEDIMENT CONTROL."
3. INSTALL TEMPORARY DROP INLET AND PIPE AND CONNECT TO EXISTING DRAINAGE STRUCTURE. REPLACE GRATE ON EXISTING STRUCTURE WITH CAST IRON COVER, AS SHOWN ON PLAN. WORK AND MATERIAL SHALL BE PAID FOR UNDER ITEM 900.620 - SPECIAL PROVISION (TEMPORARY ROADWAY)(PHASE 2).
4. COMPLETE CONSTRUCTION OF ROUTE 15 DETOUR AS SHOWN ON PLAN AND DETAILS.
5. COMPLETE CONSTRUCTION OF ROUTE 100 DETOUR AS SHOWN ON PLAN AND DETAILS.
6. INSTALL ALL WARNING SIGNAGE, REFLECTORIZED DRUMS, TRAFFIC BARRIER, AND ANY OTHER TRAFFIC CONTROL DEVICES PER ACCEPTED TRAFFIC CONTROL PLAN OR AS DIRECTED BY THE RESIDENT ENGINEER.
7. CONSTRUCT PROPOSED IMPROVEMENTS WITHIN THE DELINEATED WORK ZONE AREAS SHOWN ON THE PLAN. BRING AS MUCH OF THE WORK ZONE AREA TO FINISHED GRADE ELEVATIONS AS POSSIBLE. THE MAXIMUM ALLOWABLE STABILIZED FILL SLOPES TO EXISTING GRADE SHALL BE 1:2.
8. CONSTRUCT ALL APPROPRIATE PROPOSED PERMANENT DRAINAGE ELEMENTS WITHIN THE WORK ZONE AREAS. CAP ANY DRAINAGE ELEMENTS THAT ARE NOT COMPLETED IN THIS PHASE OF WORK. PREVENT ALL WATER FROM ENTERING THE PROPOSED SYSTEM WHILE ENSURING WATER CONTINUES TO FLOW THROUGH THE EXISTING SYSTEM. REFER TO CHART ON TRAFFIC CONTROL DETAILS SHEET FOR DETAILED LIST OF DRAINAGE ELEMENTS TO BE CONSTRUCTED IN THIS PHASE OF WORK.
9. TEMPORARY SUBBASE AND SURFACE COURSE MATERIALS FOR TEMPORARY ROADWAY AS DETAILED ON THIS SHEET WILL BE PAID FOR UNDER CONTRACT ITEM 900.645 - SPECIAL PROVISION (TEMPORARY ROADWAY)(PHASE 2).
10. INSTALLATION OF TEMPORARY PAVEMENT MARKINGS ON THE GRAVEL WORKING SURFACE WILL BE ALLOWED AND PAID FOR UNDER CONTRACT ITEM 641.10 - TRAFFIC CONTROL. ALL OTHER TRAFFIC CONTROL DEVICES SHALL REMAIN IN PLACE AS PER ACCEPTED TRAFFIC CONTROL PLAN.

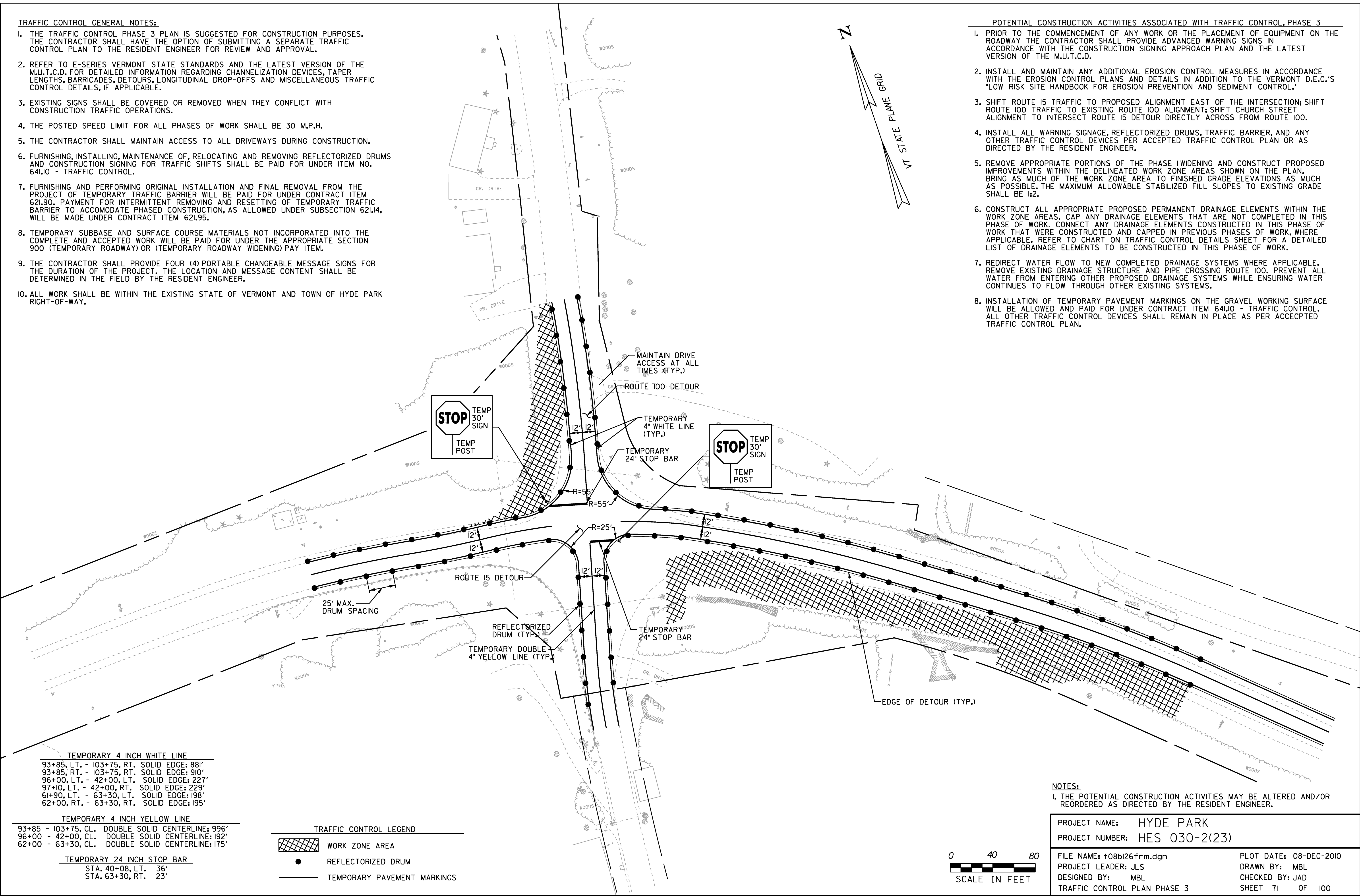


TRAFFIC CONTROL GENERAL NOTES:

1. THE TRAFFIC CONTROL PHASE 3 PLAN IS SUGGESTED FOR CONSTRUCTION PURPOSES. THE CONTRACTOR SHALL HAVE THE OPTION OF SUBMITTING A SEPARATE TRAFFIC CONTROL PLAN TO THE RESIDENT ENGINEER FOR REVIEW AND APPROVAL.
2. REFER TO E-SERIES VERMONT STATE STANDARDS AND THE LATEST VERSION OF THE M.U.T.C.D. FOR DETAILED INFORMATION REGARDING CHANNELIZATION DEVICES, TAPER LENGTHS, BARRICADES, DETOURS, LONGITUDINAL DROP-OFFS AND MISCELLANEOUS TRAFFIC CONTROL DETAILS, IF APPLICABLE.
3. EXISTING SIGNS SHALL BE COVERED OR REMOVED WHEN THEY CONFLICT WITH CONSTRUCTION TRAFFIC OPERATIONS.
4. THE POSTED SPEED LIMIT FOR ALL PHASES OF WORK SHALL BE 30 M.P.H.
5. THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL DRIVEWAYS DURING CONSTRUCTION.
6. FURNISHING, INSTALLING, MAINTENANCE OF, RELOCATING AND REMOVING REFLECTORIZED DRUMS AND CONSTRUCTION SIGNING FOR TRAFFIC SHIFTS SHALL BE PAID FOR UNDER ITEM NO. 641.10 - TRAFFIC CONTROL.
7. FURNISHING AND PERFORMING ORIGINAL INSTALLATION AND FINAL REMOVAL FROM THE PROJECT OF TEMPORARY TRAFFIC BARRIER WILL BE PAID FOR UNDER CONTRACT ITEM 621.90. PAYMENT FOR INTERMITTENT REMOVING AND RESETTNG OF TEMPORARY TRAFFIC BARRIER TO ACCOMODATE PHASED CONSTRUCTION, AS ALLOWED UNDER SUBSECTION 621.14, WILL BE MADE UNDER CONTRACT ITEM 621.95.
8. TEMPORARY SUBBASE AND SURFACE COURSE MATERIALS NOT INCORPORATED INTO THE COMPLETE AND ACCEPTED WORK WILL BE PAID FOR UNDER THE APPROPRIATE SECTION 900 (TEMPORARY ROADWAY) OR (TEMPORARY ROADWAY WIDENING) PAY ITEM.
9. THE CONTRACTOR SHALL PROVIDE FOUR (4) PORTABLE CHANGEABLE MESSAGE SIGNS FOR THE DURATION OF THE PROJECT. THE LOCATION AND MESSAGE CONTENT SHALL BE DETERMINED IN THE FIELD BY THE RESIDENT ENGINEER.
10. ALL WORK SHALL BE WITHIN THE EXISTING STATE OF VERMONT AND TOWN OF HYDE PARK RIGHT-OF-WAY.

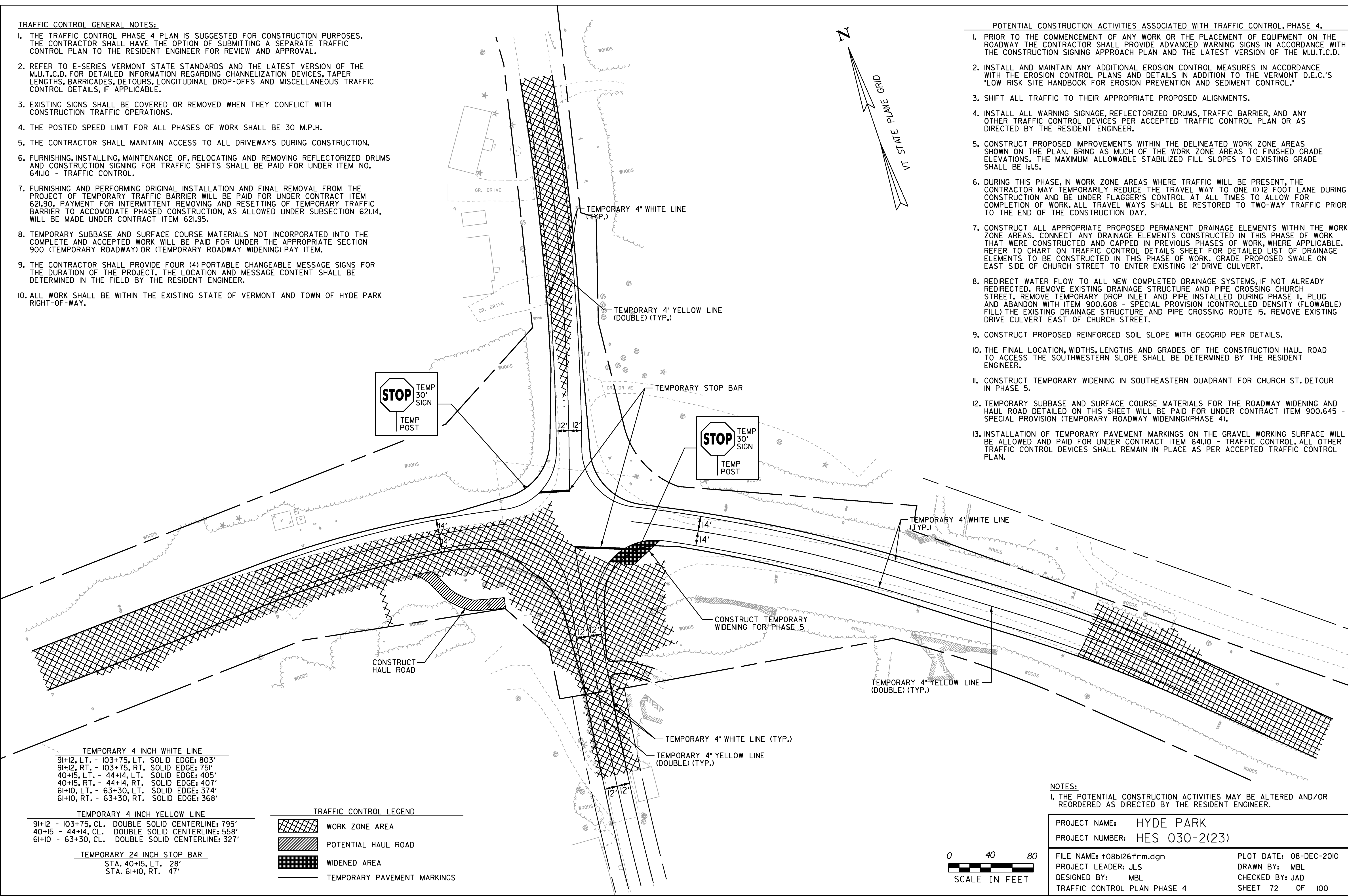
POTENTIAL CONSTRUCTION ACTIVITIES ASSOCIATED WITH TRAFFIC CONTROL, PHASE 3

1. PRIOR TO THE COMMENCEMENT OF ANY WORK OR THE PLACEMENT OF EQUIPMENT ON THE ROADWAY THE CONTRACTOR SHALL PROVIDE ADVANCED WARNING SIGNS IN ACCORDANCE WITH THE CONSTRUCTION SIGNING APPROACH PLAN AND THE LATEST VERSION OF THE M.U.T.C.D.
2. INSTALL AND MAINTAIN ANY ADDITIONAL EROSION CONTROL MEASURES IN ACCORDANCE WITH THE EROSION CONTROL PLANS AND DETAILS IN ADDITION TO THE VERMONT D.E.C.'S "LOW RISK SITE HANDBOOK FOR EROSION PREVENTION AND SEDIMENT CONTROL."
3. SHIFT ROUTE 15 TRAFFIC TO PROPOSED ALIGNMENT EAST OF THE INTERSECTION; SHIFT ROUTE 100 TRAFFIC TO EXISTING ROUTE 100 ALIGNMENT; SHIFT CHURCH STREET ALIGNMENT TO INTERSECT ROUTE 15 DETOUR DIRECTLY ACROSS FROM ROUTE 100.
4. INSTALL ALL WARNING SIGNAGE, REFLECTORIZED DRUMS, TRAFFIC BARRIER, AND ANY OTHER TRAFFIC CONTROL DEVICES PER ACCEPTED TRAFFIC CONTROL PLAN OR AS DIRECTED BY THE RESIDENT ENGINEER.
5. REMOVE APPROPRIATE PORTIONS OF THE PHASE 1 WIDENING AND CONSTRUCT PROPOSED IMPROVEMENTS WITHIN THE DELINEATED WORK ZONE AREAS SHOWN ON THE PLAN. BRING AS MUCH OF THE WORK ZONE AREA TO FINISHED GRADE ELEVATIONS AS MUCH AS POSSIBLE. THE MAXIMUM ALLOWABLE STABILIZED FILL SLOPES TO EXISTING GRADE SHALL BE 1:2.
6. CONSTRUCT ALL APPROPRIATE PROPOSED PERMANENT DRAINAGE ELEMENTS WITHIN THE WORK ZONE AREAS. CAP ANY DRAINAGE ELEMENTS THAT ARE NOT COMPLETED IN THIS PHASE OF WORK. CONNECT ANY DRAINAGE ELEMENTS CONSTRUCTED IN THIS PHASE OF WORK THAT WERE CONSTRUCTED AND CAPPED IN PREVIOUS PHASES OF WORK, WHERE APPLICABLE. REFER TO CHART ON TRAFFIC CONTROL DETAILS SHEET FOR A DETAILED LIST OF DRAINAGE ELEMENTS TO BE CONSTRUCTED IN THIS PHASE OF WORK.
7. REDIRECT WATER FLOW TO NEW COMPLETED DRAINAGE SYSTEMS WHERE APPLICABLE. REMOVE EXISTING DRAINAGE STRUCTURE AND PIPE CROSSING ROUTE 100. PREVENT ALL WATER FROM ENTERING OTHER PROPOSED DRAINAGE SYSTEMS WHILE ENSURING WATER CONTINUES TO FLOW THROUGH OTHER EXISTING SYSTEMS.
8. INSTALLATION OF TEMPORARY PAVEMENT MARKINGS ON THE GRAVEL WORKING SURFACE WILL BE ALLOWED AND PAID FOR UNDER CONTRACT ITEM 641.10 - TRAFFIC CONTROL. ALL OTHER TRAFFIC CONTROL DEVICES SHALL REMAIN IN PLACE AS PER ACCEPTED TRAFFIC CONTROL PLAN.



1. THE TRAFFIC CONTROL PHASE 3 PLAN IS SUGGESTED FOR CONSTRUCTION PURPOSES. THE CONTRACTOR SHALL HAVE THE OPTION OF SUBMITTING A SEPARATE TRAFFIC CONTROL PLAN TO THE RESIDENT ENGINEER FOR REVIEW AND APPROVAL.
2. REFER TO E-SERIES VERMONT STATE STANDARDS AND THE LATEST VERSION OF THE M.U.T.C.D. FOR DETAILED INFORMATION REGARDING CHANNELIZATION DEVICES, TAPER LENGTHS, BARRICADES, DETOURS, LONGITUDINAL DROP-OFFS AND MISCELLANEOUS TRAFFIC CONTROL DETAILS, IF APPLICABLE.
3. EXISTING SIGNS SHALL BE COVERED OR REMOVED WHEN THEY CONFLICT WITH CONSTRUCTION TRAFFIC OPERATIONS.
4. THE POSTED SPEED LIMIT FOR ALL PHASES OF WORK SHALL BE 30 M.P.H.
5. THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL DRIVEWAYS DURING CONSTRUCTION.
6. FURNISHING, INSTALLING, MAINTENANCE OF, RELOCATING AND REMOVING REFLECTORIZED DRUMS AND CONSTRUCTION SIGNING FOR TRAFFIC SHIFTS SHALL BE PAID FOR UNDER ITEM NO. 641.10 - TRAFFIC CONTROL.
7. FURNISHING AND PERFORMING ORIGINAL INSTALLATION AND FINAL REMOVAL FROM THE PROJECT OF TEMPORARY TRAFFIC BARRIER WILL BE PAID FOR UNDER CONTRACT ITEM 621.90. PAYMENT FOR INTERMITTENT REMOVING AND RESETTING OF TEMPORARY TRAFFIC BARRIER TO ACCOMMODATE PHASED CONSTRUCTION, AS ALLOWED UNDER SUBSECTION 621.14, WILL BE MADE UNDER CONTRACT ITEM 621.95.
8. TEMPORARY SUBBASE AND SURFACE COURSE MATERIALS NOT INCORPORATED INTO THE COMPLETE AND ACCEPTED WORK WILL BE PAID FOR UNDER THE APPROPRIATE SECTION 900 (TEMPORARY ROADWAY) OR (TEMPORARY ROADWAY WIDENING) PAY ITEM.
9. THE CONTRACTOR SHALL PROVIDE FOUR (4) PORTABLE CHANGEABLE MESSAGE SIGNS FOR THE DURATION OF THE PROJECT. THE LOCATION AND MESSAGE CONTENT SHALL BE DETERMINED IN THE FIELD BY THE RESIDENT ENGINEER.
10. ALL WORK SHALL BE WITHIN THE EXISTING STATE OF VERMONT AND TOWN OF HYDE PARK RIGHT-OF-WAY.

- PRIOR TO THE COMMENCEMENT OF ANY WORK OR THE PLACEMENT OF EQUIPMENT ON THE
 ROADWAY THE CONTRACTOR SHALL PROVIDE ADVANCED WARNING SIGNS IN ACCORDANCE WITH
 THE CONSTRUCTION SIGNING APPROACH PLAN AND THE LATEST VERSION OF THE M.U.T.C.D.
 INSTALL AND MAINTAIN ANY ADDITIONAL EROSION CONTROL MEASURES IN ACCORDANCE
 WITH THE EROSION CONTROL PLANS AND DETAILS IN ADDITION TO THE VERMONT D.E.C.'S
 LOW RISK SITE HANDBOOK FOR EROSION PREVENTION AND SEDIMENT CONTROL.
 SHIFT ALL TRAFFIC TO THEIR APPROPRIATE PROPOSED ALIGNMENTS.
 INSTALL ALL WARNING SIGNAGE, REFLECTORIZED DRUMS, TRAFFIC BARRIER, AND ANY
 OTHER TRAFFIC CONTROL DEVICES PER ACCEPTED TRAFFIC CONTROL PLAN OR AS
 DIRECTED BY THE RESIDENT ENGINEER.
 CONSTRUCT PROPOSED IMPROVEMENTS WITHIN THE DELINEATED WORK ZONE AREAS
 SHOWN ON THE PLAN. BRING AS MUCH OF THE WORK ZONE AREAS TO FINISHED GRADE
 ELEVATIONS. THE MAXIMUM ALLOWABLE STABILIZED FILL SLOPES TO EXISTING GRADE
 SHALL BE 1H:5.
 DURING THIS PHASE, IN WORK ZONE AREAS WHERE TRAFFIC WILL BE PRESENT, THE
 CONTRACTOR MAY TEMPORARILY REDUCE THE TRAVEL WAY TO ONE (1) 12 FOOT LANE DURING
 CONSTRUCTION AND BE UNDER FLAGGER'S CONTROL AT ALL TIMES TO ALLOW FOR
 COMPLETION OF WORK. ALL TRAVEL WAYS SHALL BE RESTORED TO TWO-WAY TRAFFIC PRIOR
 TO THE END OF THE CONSTRUCTION DAY.
 CONSTRUCT ALL APPROPRIATE PROPOSED PERMANENT DRAINAGE ELEMENTS WITHIN THE WORK
 ZONE AREAS. CONNECT ANY DRAINAGE ELEMENTS CONSTRUCTED IN THIS PHASE OF WORK
 THAT WERE CONSTRUCTED AND CAPPED IN PREVIOUS PHASES OF WORK, WHERE APPLICABLE.
 REFER TO CHART ON TRAFFIC CONTROL DETAILS SHEET FOR DETAILED LIST OF DRAINAGE
 ELEMENTS TO BE CONSTRUCTED IN THIS PHASE OF WORK. GRADE PROPOSED SWALE ON
 EAST SIDE OF CHURCH STREET TO ENTER EXISTING 12' DRIVE CULVERT.
 REDIRECT WATER FLOW TO ALL NEW COMPLETED DRAINAGE SYSTEMS, IF NOT ALREADY
 REDIRECTED. REMOVE EXISTING DRAINAGE STRUCTURE AND PIPE CROSSING CHURCH
 STREET. REMOVE TEMPORARY DROP INLET AND PIPE INSTALLED DURING PHASE II. PLUG
 AND ABANDON WITH ITEM 900.608 - SPECIAL PROVISION (CONTROLLED DENSITY (FLOWABLE)
 FILL) THE EXISTING DRAINAGE STRUCTURE AND PIPE CROSSING ROUTE 15. REMOVE EXISTING
 DRIVE CULVERT EAST OF CHURCH STREET.
 CONSTRUCT PROPOSED REINFORCED SOIL SLOPE WITH GEOGRID PER DETAILS.
 THE FINAL LOCATION, WIDTHS, LENGTHS AND GRADES OF THE CONSTRUCTION HAUL ROAD
 TO ACCESS THE SOUTHWESTERN SLOPE SHALL BE DETERMINED BY THE RESIDENT
 ENGINEER.
 CONSTRUCT TEMPORARY WIDENING IN SOUTHEASTERN QUADRANT FOR CHURCH ST. DETOUR
 PHASE 5.
 TEMPORARY SUBBASE AND SURFACE COURSE MATERIALS FOR THE ROADWAY WIDENING AND
 HAUL ROAD DETAILED ON THIS SHEET WILL BE PAID FOR UNDER CONTRACT ITEM 900.645 -
 SPECIAL PROVISION (TEMPORARY ROADWAY WIDENING)(PHASE 4).
 INSTALLATION OF TEMPORARY PAVEMENT MARKINGS ON THE GRAVEL WORKING SURFACE WILL
 BE ALLOWED AND PAID FOR UNDER CONTRACT ITEM 641.10 - TRAFFIC CONTROL. ALL OTHER
 TRAFFIC CONTROL DEVICES SHALL REMAIN IN PLACE AS PER ACCEPTED TRAFFIC CONTROL
 PLAN.

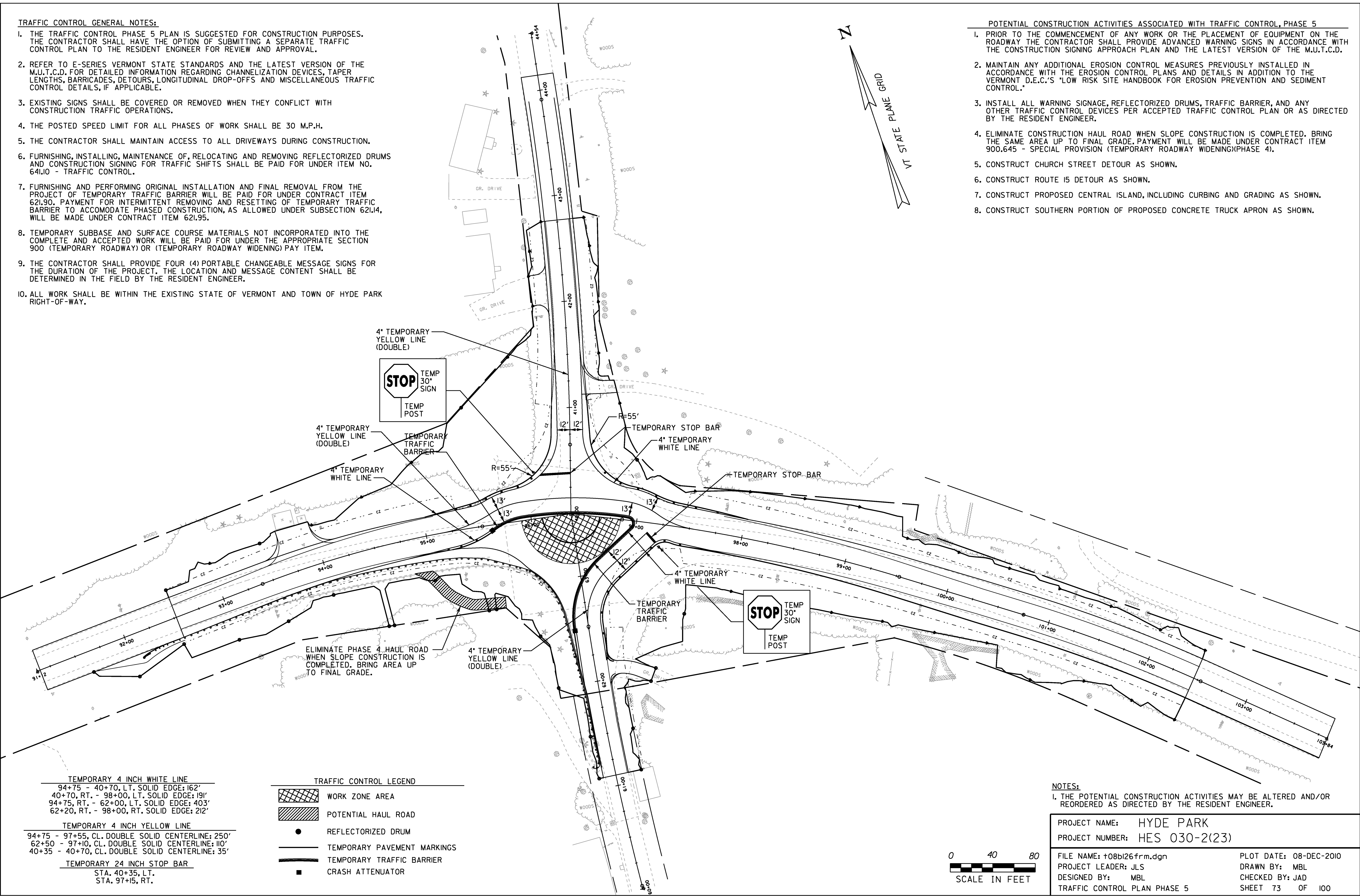


TRAFFIC CONTROL GENERAL NOTES:

1. THE TRAFFIC CONTROL PHASE 5 PLAN IS SUGGESTED FOR CONSTRUCTION PURPOSES. THE CONTRACTOR SHALL HAVE THE OPTION OF SUBMITTING A SEPARATE TRAFFIC CONTROL PLAN TO THE RESIDENT ENGINEER FOR REVIEW AND APPROVAL.
2. REFER TO E-SERIES VERMONT STATE STANDARDS AND THE LATEST VERSION OF THE M.U.T.C.D. FOR DETAILED INFORMATION REGARDING CHANNELIZATION DEVICES, TAPER LENGTHS, BARRICADES, DETOURS, LONGITUDINAL DROP-OFFS AND MISCELLANEOUS TRAFFIC CONTROL DETAILS, IF APPLICABLE.
3. EXISTING SIGNS SHALL BE COVERED OR REMOVED WHEN THEY CONFLICT WITH CONSTRUCTION TRAFFIC OPERATIONS.
4. THE POSTED SPEED LIMIT FOR ALL PHASES OF WORK SHALL BE 30 M.P.H.
5. THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL DRIVEWAYS DURING CONSTRUCTION.
6. FURNISHING, INSTALLING, MAINTENANCE OF, RELOCATING AND REMOVING REFLECTORIZED DRUMS AND CONSTRUCTION SIGNING FOR TRAFFIC SHIFTS SHALL BE PAID FOR UNDER ITEM NO. 641.10 - TRAFFIC CONTROL.
7. FURNISHING AND PERFORMING ORIGINAL INSTALLATION AND FINAL REMOVAL FROM THE PROJECT OF TEMPORARY TRAFFIC BARRIER WILL BE PAID FOR UNDER CONTRACT ITEM 621.90. PAYMENT FOR INTERMITTENT REMOVING AND RESETTNG OF TEMPORARY TRAFFIC BARRIER TO ACCOMODATE PHASED CONSTRUCTION, AS ALLOWED UNDER SUBSECTION 621.14, WILL BE MADE UNDER CONTRACT ITEM 621.95.
8. TEMPORARY SUBBASE AND SURFACE COURSE MATERIALS NOT INCORPORATED INTO THE COMPLETE AND ACCEPTED WORK WILL BE PAID FOR UNDER THE APPROPRIATE SECTION 900 (TEMPORARY ROADWAY) OR (TEMPORARY ROADWAY WIDENING) PAY ITEM.
9. THE CONTRACTOR SHALL PROVIDE FOUR (4) PORTABLE CHANGEABLE MESSAGE SIGNS FOR THE DURATION OF THE PROJECT. THE LOCATION AND MESSAGE CONTENT SHALL BE DETERMINED IN THE FIELD BY THE RESIDENT ENGINEER.
10. ALL WORK SHALL BE WITHIN THE EXISTING STATE OF VERMONT AND TOWN OF HYDE PARK RIGHT-OF-WAY.

POTENTIAL CONSTRUCTION ACTIVITIES ASSOCIATED WITH TRAFFIC CONTROL, PHASE 5

1. PRIOR TO THE COMMENCEMENT OF ANY WORK OR THE PLACEMENT OF EQUIPMENT ON THE ROADWAY THE CONTRACTOR SHALL PROVIDE ADVANCED WARNING SIGNS IN ACCORDANCE WITH THE CONSTRUCTION SIGNING APPROACH PLAN AND THE LATEST VERSION OF THE M.U.T.C.D.
2. MAINTAIN ANY ADDITIONAL EROSION CONTROL MEASURES PREVIOUSLY INSTALLED IN ACCORDANCE WITH THE EROSION CONTROL PLANS AND DETAILS IN ADDITION TO THE VERMONT D.E.C.'S "LOW RISK SITE HANDBOOK FOR EROSION PREVENTION AND SEDIMENT CONTROL."
3. INSTALL ALL WARNING SIGNAGE, REFLECTORIZED DRUMS, TRAFFIC BARRIER, AND ANY OTHER TRAFFIC CONTROL DEVICES PER ACCEPTED TRAFFIC CONTROL PLAN OR AS DIRECTED BY THE RESIDENT ENGINEER.
4. ELIMINATE CONSTRUCTION HAUL ROAD WHEN SLOPE CONSTRUCTION IS COMPLETED. BRING THE SAME AREA UP TO FINAL GRADE. PAYMENT WILL BE MADE UNDER CONTRACT ITEM 900.645 - SPECIAL PROVISION (TEMPORARY ROADWAY WIDENING)(PHASE 4).
5. CONSTRUCT CHURCH STREET DETOUR AS SHOWN.
6. CONSTRUCT ROUTE 15 DETOUR AS SHOWN.
7. CONSTRUCT PROPOSED CENTRAL ISLAND, INCLUDING CURBING AND GRADING AS SHOWN.
8. CONSTRUCT SOUTHERN PORTION OF PROPOSED CONCRETE TRUCK APRON AS SHOWN.



TEMPORARY 4 INCH WHITE LINE
94+75 - 40+70, LT. SOLID EDGE: 162'
40+70, RT. - 98+00, LT. SOLID EDGE: 191'
94+75, RT. - 62+00, LT. SOLID EDGE: 403'
62+20, RT. - 98+00, RT. SOLID EDGE: 212'

TEMPORARY 4 INCH YELLOW LINE
94+75 - 97+55, CL. DOUBLE SOLID CENTERLINE: 250'
62+50 - 97+10, CL. DOUBLE SOLID CENTERLINE: 110'
40+35 - 40+70, CL. DOUBLE SOLID CENTERLINE: 35'

TEMPORARY 24 INCH STOP BAR
STA. 40+35, LT.
STA. 97+15, RT.

TRAFFIC CONTROL LEGEND	
	WORK ZONE AREA
	POTENTIAL HAUL ROAD
	REFLECTORIZED DRUM
	TEMPORARY PAVEMENT MARKINGS
	TEMPORARY TRAFFIC BARRIER
	CRASH ATTENUATOR

NOTES:

1. THE POTENTIAL CONSTRUCTION ACTIVITIES MAY BE ALTERED AND/OR REORDERED AS DIRECTED BY THE RESIDENT ENGINEER.

PROJECT NAME: HYDE PARK
PROJECT NUMBER: HES 030-2(23)

FILE NAME: +08bl26frm.dgn
PROJECT LEADER: JLS
DESIGNED BY: MBL
TRAFFIC CONTROL PLAN PHASE 5

PLOT DATE: 08-DEC-2010
DRAWN BY: MBL
CHECKED BY: JAD
SHEET 73 OF 100

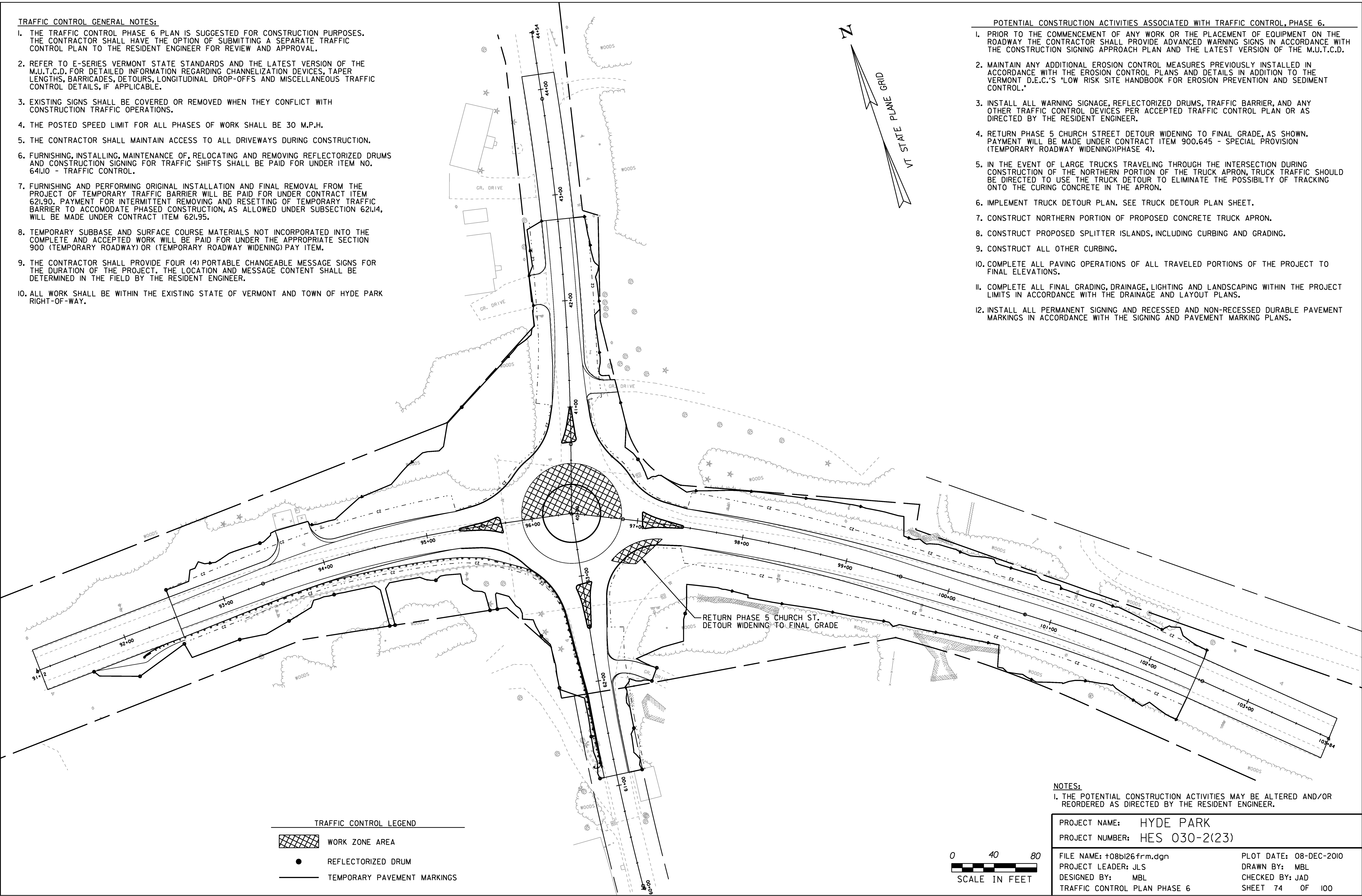
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TRAFFIC CONTROL GENERAL NOTES:

1. THE TRAFFIC CONTROL PHASE 6 PLAN IS SUGGESTED FOR CONSTRUCTION PURPOSES. THE CONTRACTOR SHALL HAVE THE OPTION OF SUBMITTING A SEPARATE TRAFFIC CONTROL PLAN TO THE RESIDENT ENGINEER FOR REVIEW AND APPROVAL.
2. REFER TO E-SERIES VERMONT STATE STANDARDS AND THE LATEST VERSION OF THE M.U.T.C.D. FOR DETAILED INFORMATION REGARDING CHANNELIZATION DEVICES, TAPER LENGTHS, BARRICADES, DETOURS, LONGITUDINAL DROP-OFFS AND MISCELLANEOUS TRAFFIC CONTROL DETAILS, IF APPLICABLE.
3. EXISTING SIGNS SHALL BE COVERED OR REMOVED WHEN THEY CONFLICT WITH CONSTRUCTION TRAFFIC OPERATIONS.
4. THE POSTED SPEED LIMIT FOR ALL PHASES OF WORK SHALL BE 30 M.P.H.
5. THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL DRIVEWAYS DURING CONSTRUCTION.
6. FURNISHING, INSTALLING, MAINTENANCE OF, RELOCATING AND REMOVING REFLECTORIZED DRUMS AND CONSTRUCTION SIGNING FOR TRAFFIC SHIFTS SHALL BE PAID FOR UNDER ITEM NO. 641.10 - TRAFFIC CONTROL.
7. FURNISHING AND PERFORMING ORIGINAL INSTALLATION AND FINAL REMOVAL FROM THE PROJECT OF TEMPORARY TRAFFIC BARRIER WILL BE PAID FOR UNDER CONTRACT ITEM 621.90. PAYMENT FOR INTERMITTENT REMOVING AND RESETTNG OF TEMPORARY TRAFFIC BARRIER TO ACCOMODATE PHASED CONSTRUCTION, AS ALLOWED UNDER SUBSECTION 621.14, WILL BE MADE UNDER CONTRACT ITEM 621.95.
8. TEMPORARY SUBBASE AND SURFACE COURSE MATERIALS NOT INCORPORATED INTO THE COMPLETE AND ACCEPTED WORK WILL BE PAID FOR UNDER THE APPROPRIATE SECTION 900 (TEMPORARY ROADWAY) OR (TEMPORARY ROADWAY WIDENING) PAY ITEM.
9. THE CONTRACTOR SHALL PROVIDE FOUR (4) PORTABLE CHANGEABLE MESSAGE SIGNS FOR THE DURATION OF THE PROJECT. THE LOCATION AND MESSAGE CONTENT SHALL BE DETERMINED IN THE FIELD BY THE RESIDENT ENGINEER.
10. ALL WORK SHALL BE WITHIN THE EXISTING STATE OF VERMONT AND TOWN OF HYDE PARK RIGHT-OF-WAY.

POTENTIAL CONSTRUCTION ACTIVITIES ASSOCIATED WITH TRAFFIC CONTROL, PHASE 6.

1. PRIOR TO THE COMMENCEMENT OF ANY WORK OR THE PLACEMENT OF EQUIPMENT ON THE ROADWAY THE CONTRACTOR SHALL PROVIDE ADVANCED WARNING SIGNS IN ACCORDANCE WITH THE CONSTRUCTION SIGNING APPROACH PLAN AND THE LATEST VERSION OF THE M.U.T.C.D.
2. MAINTAIN ANY ADDITIONAL EROSION CONTROL MEASURES PREVIOUSLY INSTALLED IN ACCORDANCE WITH THE EROSION CONTROL PLANS AND DETAILS IN ADDITION TO THE VERMONT D.E.C.'S "LOW RISK SITE HANDBOOK FOR EROSION PREVENTION AND SEDIMENT CONTROL."
3. INSTALL ALL WARNING SIGNAGE, REFLECTORIZED DRUMS, TRAFFIC BARRIER, AND ANY OTHER TRAFFIC CONTROL DEVICES PER ACCEPTED TRAFFIC CONTROL PLAN OR AS DIRECTED BY THE RESIDENT ENGINEER.
4. RETURN PHASE 5 CHURCH STREET DETOUR WIDENING TO FINAL GRADE, AS SHOWN. PAYMENT WILL BE MADE UNDER CONTRACT ITEM 900.645 - SPECIAL PROVISION (TEMPORARY ROADWAY WIDENING)(PHASE 4).
5. IN THE EVENT OF LARGE TRUCKS TRAVELING THROUGH THE INTERSECTION DURING CONSTRUCTION OF THE NORTHERN PORTION OF THE TRUCK APRON, TRUCK TRAFFIC SHOULD BE DIRECTED TO USE THE TRUCK DETOUR TO ELIMINATE THE POSSIBLTY OF TRACKING ONTO THE CURING CONCRETE IN THE APRON.
6. IMPLEMENT TRUCK DETOUR PLAN. SEE TRUCK DETOUR PLAN SHEET.
7. CONSTRUCT NORTHERN PORTION OF PROPOSED CONCRETE TRUCK APRON.
8. CONSTRUCT PROPOSED SPLITTER ISLANDS, INCLUDING CURBING AND GRADING.
9. CONSTRUCT ALL OTHER CURBING.
10. COMPLETE ALL PAVING OPERATIONS OF ALL TRAVELED PORTIONS OF THE PROJECT TO FINAL ELEVATIONS.
11. COMPLETE ALL FINAL GRADING, DRAINAGE, LIGHTING AND LANDSCAPING WITHIN THE PROJECT LIMITS IN ACCORDANCE WITH THE DRAINAGE AND LAYOUT PLANS.
12. INSTALL ALL PERMANENT SIGNING AND RECESSED AND NON-RECESSED DURABLE PAVEMENT MARKINGS IN ACCORDANCE WITH THE SIGNING AND PAVEMENT MARKING PLANS.



NOTES:

1. THE POTENTIAL CONSTRUCTION ACTIVITIES MAY BE ALTERED AND/OR REORDERED AS DIRECTED BY THE RESIDENT ENGINEER.

PROJECT NAME: HYDE PARK
PROJECT NUMBER: HES 030-2(23)

FILE NAME: t08b126frm.dgn
PROJECT LEADER: JLS
DESIGNED BY: MBL
TRAFFIC CONTROL PLAN PHASE 6

PLOT DATE: 08-DEC-2010
DRAWN BY: MBL
CHECKED BY: JAD
SHEET 74 OF 100

TRUCK DETOUR NOTES:

1. THE FOLLOWING TRUCK DETOUR PLAN IS AN OPTION TO THE CONTRACTOR. AN ALTERNATIVE TRUCK DETOUR PLAN MAY BE SUBMITTED BY THE CONTRACTOR TO THE RESIDENT ENGINEER FOR REVIEW AND APPROVAL.
2. IMPLEMENT TRUCK DETOUR PLAN DURING PHASE 6 OF THE TRAFFIC CONTROL PLAN, SEE TRAFFIC CONTROL PLAN 6. BEFORE IMPLEMENTING TRUCK DETOUR PLAN, THE CONCRETE PORTION OF THE TRUCK APRON CONSTRUCTED DURING PHASE 5 SHALL BE CURED TO THE POINT THAT IT CAN BE SUFFICIENTLY LOADED WITH TRACKING TRUCK TRAFFIC OR AS DETERMINED BY THE RESIDENT ENGINEER.
3. THE TRUCK DETOUR PLAN SHALL BE IN PLACE FOR A MINIMUM OF 3 CALENDAR DAYS AND A MAXIMUM OF 7 CALENDAR DAYS OR UNTIL THE CONCRETE PORTION OF TRUCK APRON CONSTRUCTED DURING PHASE 6 SHALL BE CURED TO THE POINT THAT IT CAN BE SUFFICIENTLY LOADED WITH TRACKING TRUCK TRAFFIC OR AS DETERMINED BY THE RESIDENT ENGINEER.
4. ALL EMERGENCY SERVICES (MEDICAL, FIRE AND POLICE) CHARGED TO SERVE THE IMMEDIATE AREA SHALL BE INFORMED BY THE CONTRACTOR THAT THE TRUCK DETOUR IS IN EFFECT AT A MINIMUM OF 7 CALENDAR DAYS BEFORE THE PLAN IS IMPLEMENTED.
5. THE RESIDENT ENGINEER WILL COORDINATE WITH THE CONTRACTOR TO PROVIDE ADEQUATE PUBLIC RELATIONS MEASURES TO ENSURE THE TRAVELING PUBLIC IS AWARE OF THE TRUCK DETOUR AT LEAST A WEEK IN ADVANCE OF IMPLEMENTATION. PAYMENT WILL BE CONSIDERED INCIDENTAL TO CONTRACT ITEM 641.0 - TRAFFIC CONTROL.
6. THE COST OF MATERIALS AND INSTALLATION OF ALL TRUCK DETOUR WARNING AND GUIDE SIGNS SHALL BE PAID FOR BY ITEM NO. 641.0 - TRAFFIC CONTROL. ALL TRUCK DETOUR WARNING AND GUIDE SIGNS SHALL BE INSTALLED UNOBSTRUCTED TO THE TRAVELING TRUCK TRAFFIC. THE FINAL LOCATION OF THE SIGNS SHALL BE DETERMINED BY THE RESIDENT ENGINEER.

TRAFFIC MOVEMENTS INVOLVED:

- EASTBOUND (FROM JOHNSON TO MORRISVILLE):
STRAIGHT THRU INTERSECTION.
- WESTBOUND (FROM MORRISVILLE TO JOHNSON):
RIGHT TURN ONLY ON VT ROUTE 100 TO NORTH HYDE PARK
AND VT ROUTE 100C SOUTH TO JOHNSON AND VT ROUTE 15.
- SOUTHBOUND (FROM EDEN TO MORRISVILLE):
RIGHT ON VT ROUTE 100C SOUTH TO JOHNSON
AND LEFT ON VT ROUTE 15 TO HYDE PARK;
STRAIGHT THRU INTERSECTION.

NOTES:

1. SEE VT STANDARD E-136B FOR DETAILS FOR VERMONT ROUTE MAKERS.

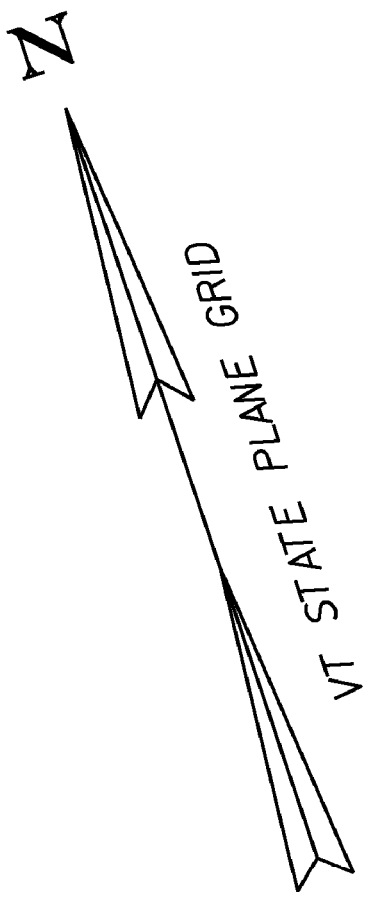
EDEN
JOHNSON

4-13
ADJUSTED BY RE
FOR P/L CONFLICTS

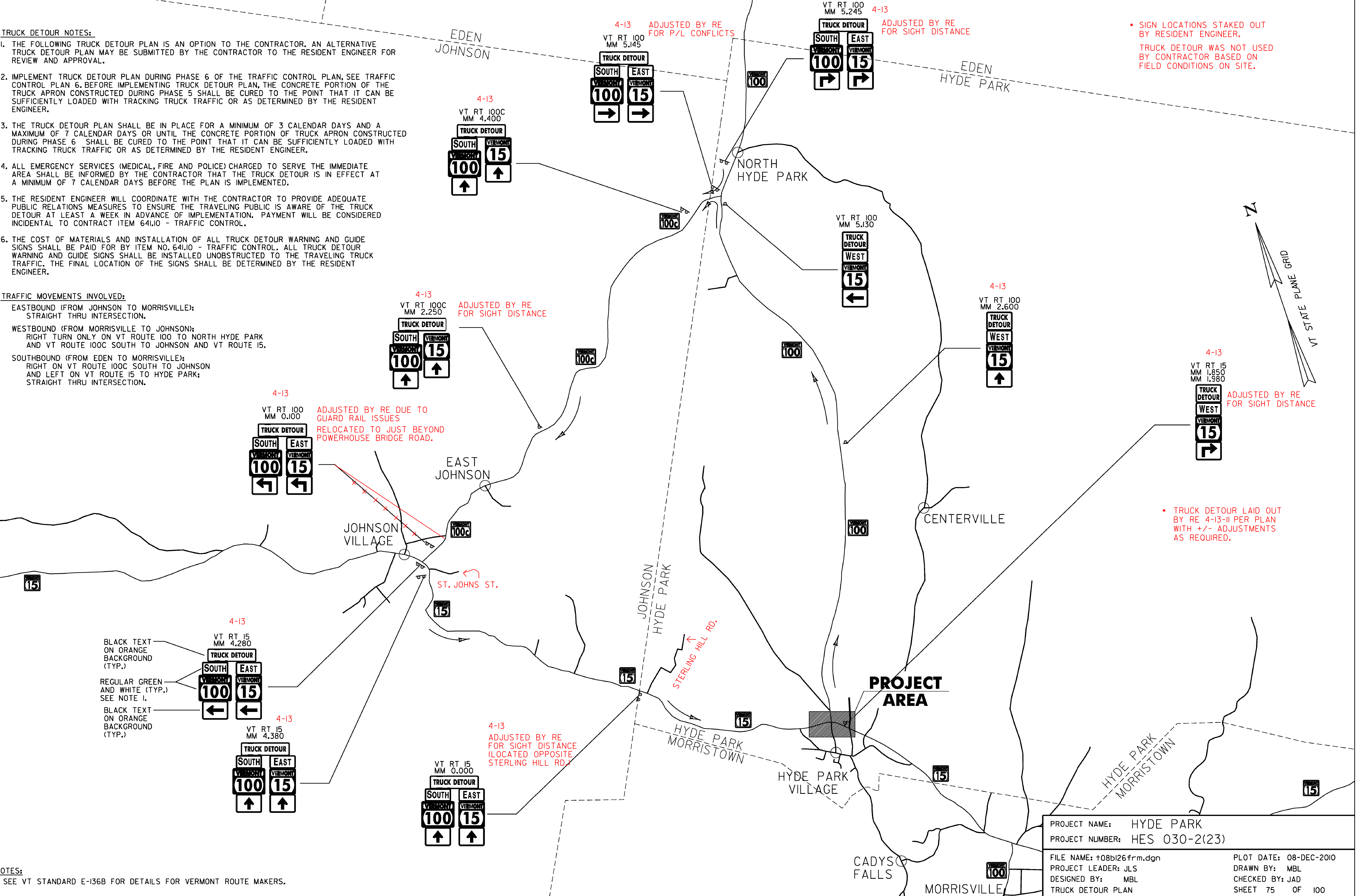
4-13
ADJUSTED BY RE
FOR SIGHT DISTANCE

• SIGN LOCATIONS STAKED OUT
BY RESIDENT ENGINEER.

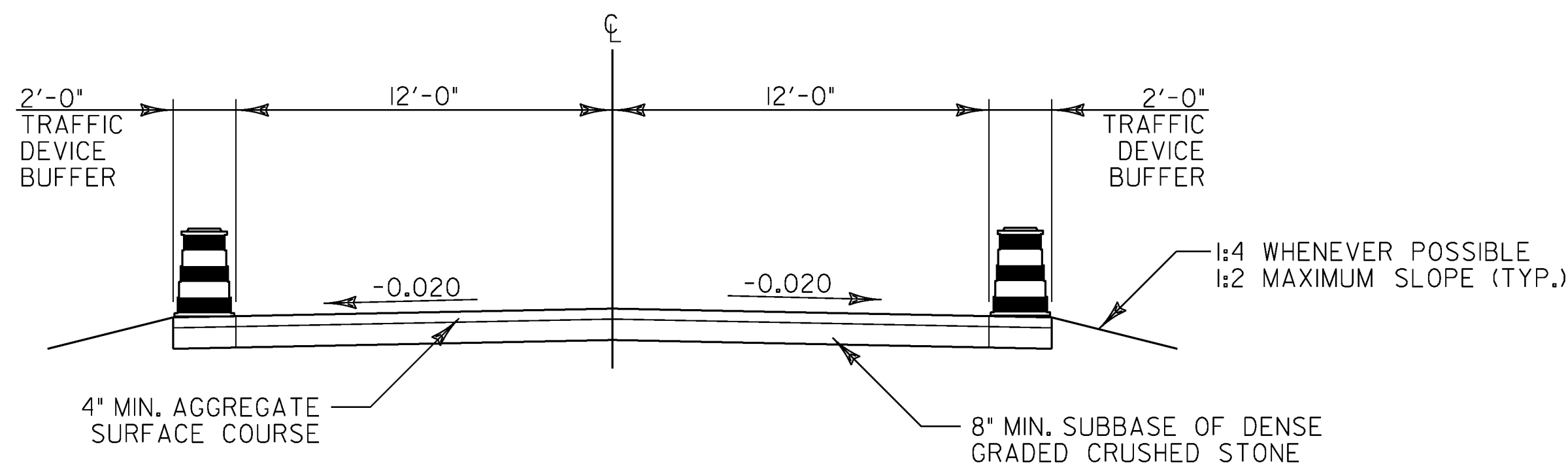
TRUCK DETOUR WAS NOT USED
BY CONTRACTOR BASED ON
FIELD CONDITIONS ON SITE.



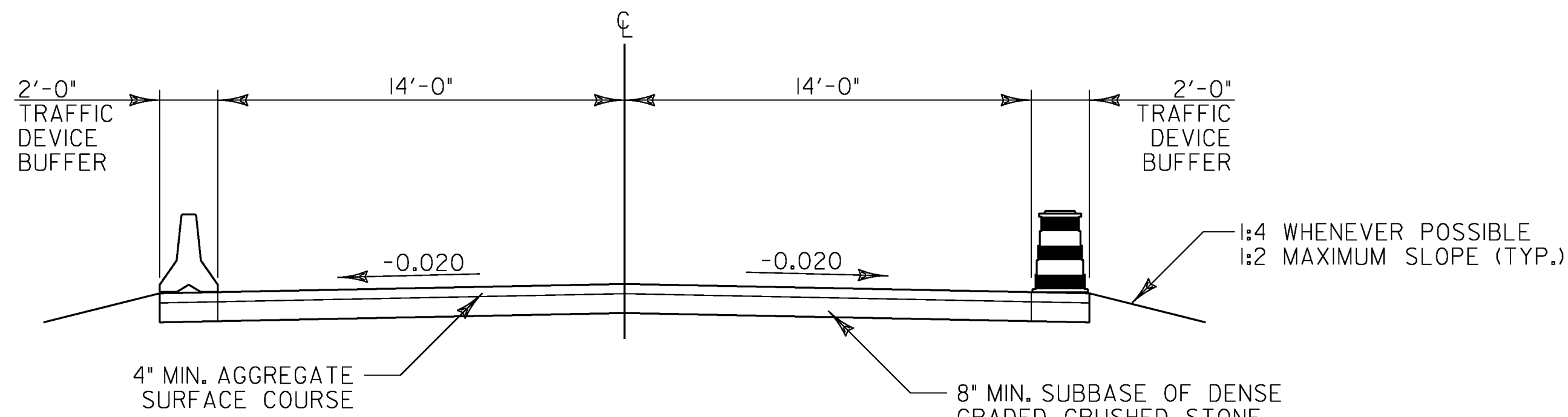
• TRUCK DETOUR LAID OUT
BY RE 4-13-II PER PLAN
WITH +/- ADJUSTMENTS
AS REQUIRED.



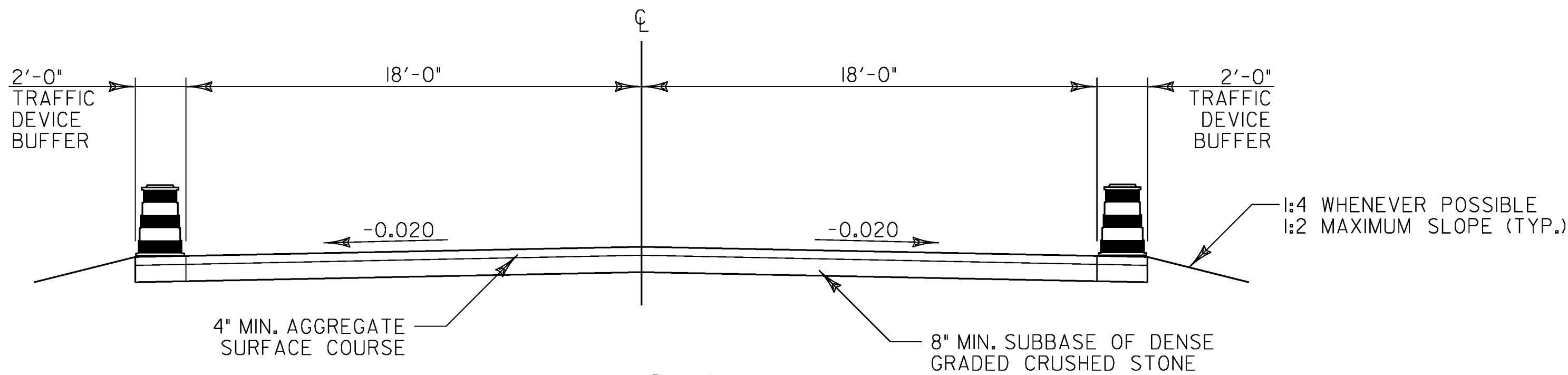
PROJECT NAME: HYDE PARK		PLOT DATE: 08-DEC-2010	
PROJECT NUMBER: HES 030-2(23)		DRAWN BY: MBL	
FILE NAME: t08b126frm.dgn		CHECKED BY: JAD	
PROJECT LEADER: JLS		SHEET 75 OF 100	
DESIGNED BY: MBL		TRUCK DETOUR PLAN	



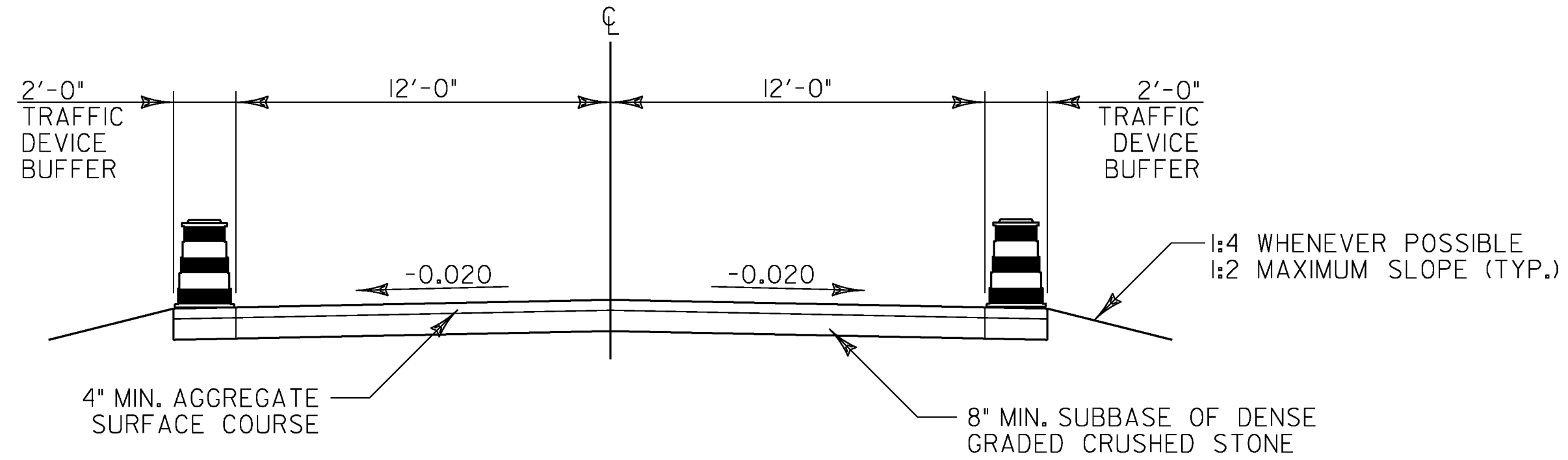
**PHASE 2:
VT ROUTE 15 DETOUR APPROACHES**
NOT TO SCALE



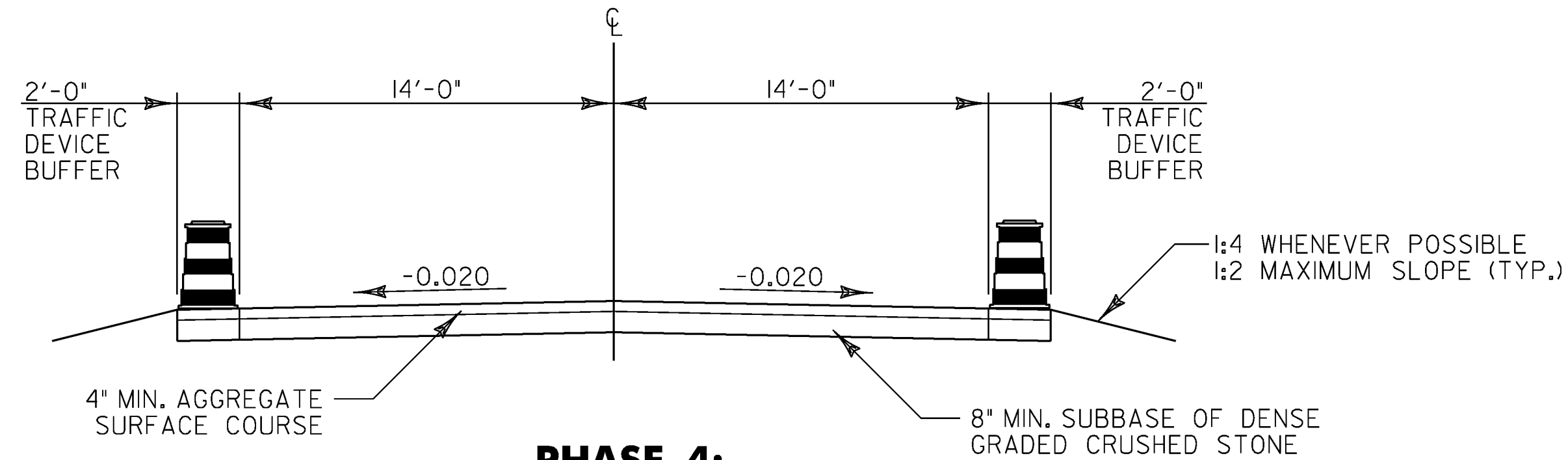
**PHASE 2:
VT ROUTE 100 DETOUR**
NOT TO SCALE



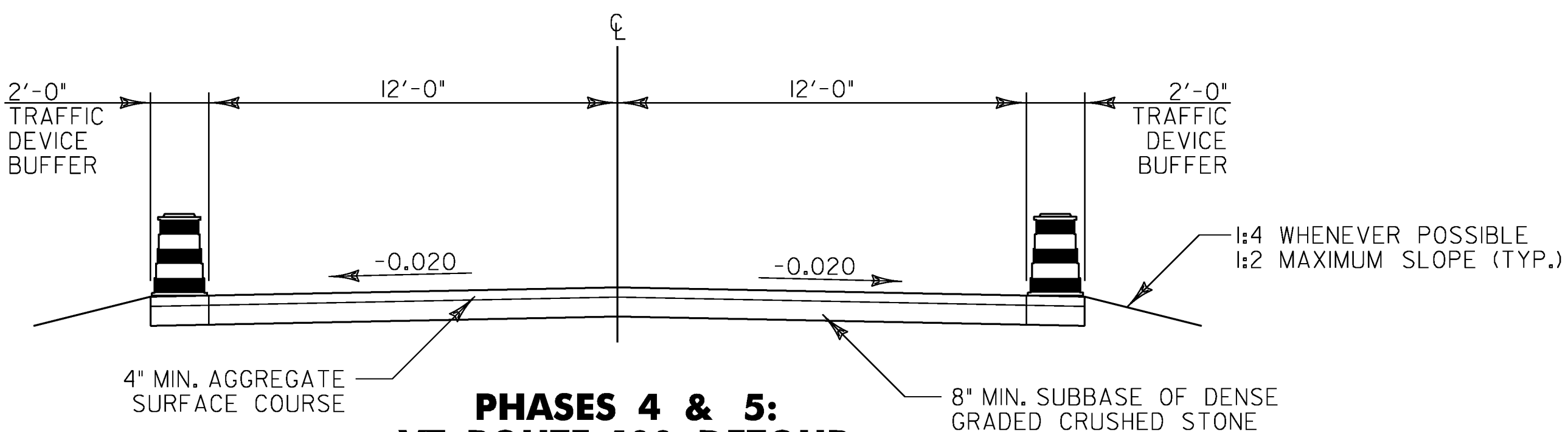
**PHASE 2:
CHURCH STREET DETOUR
VT ROUTE 15 DETOUR AT INTERSECTION**
NOT TO SCALE



**PHASE 3:
VT ROUTE 15 DETOUR
VT ROUTE 100 DETOUR
CHURCH STREET DETOUR**
NOT TO SCALE



**PHASE 4:
VT ROUTE 15 DETOUR**
NOT TO SCALE

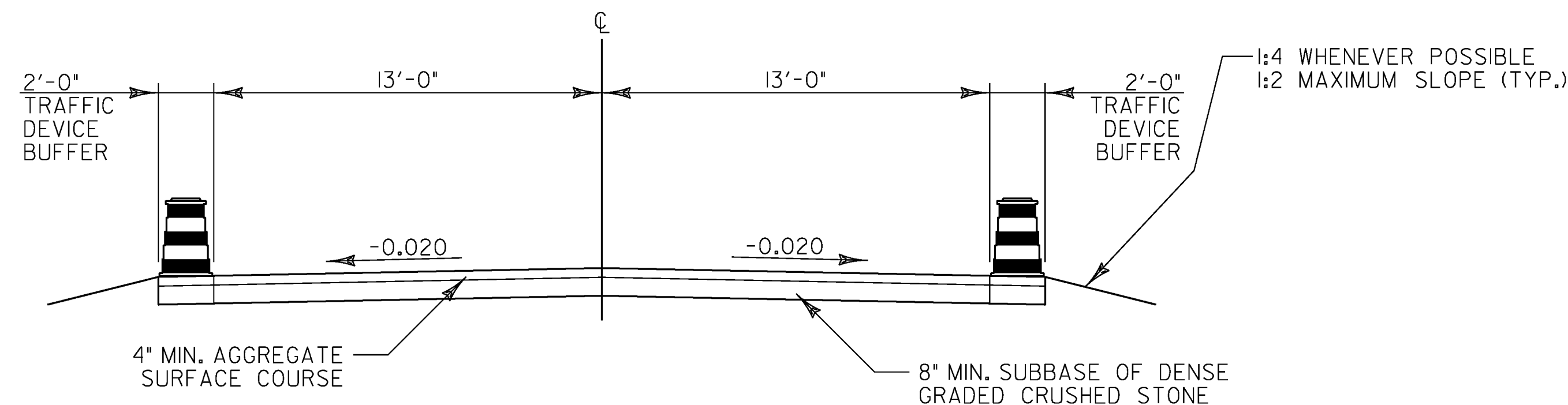


**PHASES 4 & 5:
VT ROUTE 100 DETOUR
CHURCH STREET DETOUR**
NOT TO SCALE

RECOMMENDED DRAINAGE CONSTRUCTION NOTES

WORK PHASE	DRAINAGE ID	REMARKS	WORK PHASE	DRAINAGE ID	REMARKS
2	P1	-	3	CB13	CONNECT TO P13
2	CB1	-	3	CV1	CAP UNTIL PHASE 5
2	P2	-	3	CB26	CONNECT TO CV2 & P26
2	HW2	-	4	P6	-
2	P3	CAP UNTIL PHASE 3	4	CB9	-
2	CB3	-	4	P10	-
2	P4	CAP UNTIL PHASE 3	4	CB10	-
2	DP	CAP UNTIL PHASE 3	4	P11	-
2	P5	-	4	CB11	-
2	CB5	-	4	P12	-
2	P6	-	4	CB12	-
2	CB6	-	4	P15	-
2	P7	CAP UNTIL PHASE 4	4	CB15	CONNECT TO P14
2	CB7	-	4	P16	-
2	P8	CAP UNTIL PHASE 4	4	CB16	-
2	HW8	-	4	P17	-
2	P13	CAP UNTIL PHASE 4	4	CB17	-
2	P14	CAP UNTIL PHASE 4	4	P18	-
2	CB14	-	4	CB18	-
2	DI25	-	4	P19	-
2	CV2	CAP UNTIL PHASE 3	4	CB19	-
2	P26	CAP UNTIL PHASE 3	4	CB22	-
2	DI27	-	4	CV4	-
2	DRY SWALE	CONSTRUCT PER STORMWATER MANAGEMENT DETAILS	4	CB28	-
3	CB4	CONNECT TO P3, P4 & DP IN PHASE 2	5	DI24	CONNECT TO CV1

• SEE NOTE 2, THIS SHEET.



**PHASE 5:
VT ROUTE 15 DETOUR**
NOT TO SCALE

NOTES:

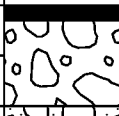
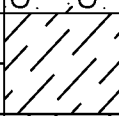
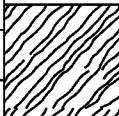
1. TRAFFIC CONTROL DEVICES SHOWN ON THESE DETAILS ARE SHOWN AS A REPRESENTATION ONLY. REFER TO THE TRAFFIC CONTROL PLANS FOR ACTUAL TYPE OF DEVICES TO BE USED AND THEIR LOCATIONS.
2. THE DRAINAGE CONSTRUCTION NOTES TABLE IS ONLY A RECOMMENDATION FOR CONSTRUCTION PURPOSES. THE CONTRACTOR MAY SUBMIT AN ALTERNATIVE TRAFFIC CONTROL PLAN TO THE RESIDENT ENGINEER FOR REVIEW AND APPROVAL.
3. ON ANY ACCEPTED TRAFFIC CONTROL PLAN, TEMPORARY TRAFFIC BARRIER SHALL BE USED WHEREVER SIDE SLOPES EXCEED 1:3.
4. TEMPORARY SUBBASE AND SURFACE COURSE MATERIAL NOT INCORPORATED INTO THE COMPLETE AND ACCEPTED WORK WILL BE PAID FOR UNDER THE APPROPRIATE SECTION 900 (TEMPORARY ROADWAY) OR (TEMPORARY ROADWAY WIDENING) PAY ITEM.

PROJECT NAME: HYDE PARK
PROJECT NUMBER: HES 030-2(23)

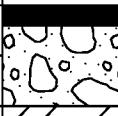
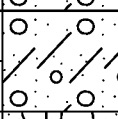
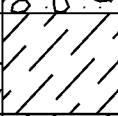
FILE NAME: +08bl26frm.dgn
PROJECT LEADER: JLS
DESIGNED BY: MBL
TRAFFIC CONTROL DETAILS SHEET

PLOT DATE: 08-DEC-2010
DRAWN BY: MBL
CHECKED BY: JAD
SHEET 76 OF 100

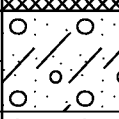
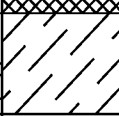
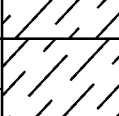
T.H. 5 STA. 62+36, 13.1' LT.

STATE OF VERMONT AGENCY OF TRANSPORTATION MATERIALS & RESEARCH SECTION SUBSURFACE INFORMATION			BORING NUMBER: B-101 SHEET 1 of 1 DATE STARTED: 3/27/09 DATE COMPLETED: 3/27/09				
PROJECT NAME: HYDE PARK SITE NAME: ROUNDABOUT STATION: 62+36 OFFSET: -13.00 VTSPG: N 764372.96 ft E 1610143.39 ft			PROJECT NUMBER: HES 030-2(23) SITE NUMBER: VT.100 VT.15 TH5 GROUND ELEVATION: 702.03 ft GROUNDWATER DEPTH: 9.7 ft 3/27/09 PROJECT PIN NUMBER: 08B126				
BORING CREW CREW CHIEF: PORTER DRILLER: PORTER LOGGER: WERNER			BORING RIG: LAG TRACK RIG #10 w/AUTO HAMMER BORING TYPE: WASH BORE SAMPLE TYPE: SPLIT BARREL CHECKED BY: CEE				
DEPTH (ft)	SYMBOL	CLASSIFICATION OF MATERIALS (Description)	BLOWS PER FOOT	M.C. (%)	GRAVEL (%)	SAND (%)	FINES (%)
			RUN	REC (%)	ROD (%)	Dip (deg)	Drill Rate (min/ft)
5		Asphalt Pavement, 0.0 ft - 0.3 ft	23	10.0	65.7	26.5	7.8
		A-1-a, SaGr, brn, Wet, Rec. = 0.6 ft					
		A-1-b, SiGrSa, brn, Wet, Rec. = 0.4 ft	21	14.5	34.3	43.1	22.6
		A-4, SiSa, brn, Wet, Rec. = 1.2 ft	25	17.1	16.8	47.0	36.2
10		A-4, SaGrSi, gry, Wet, Rec. = 1.7 ft	17	21.8	23.9	22.0	54.1
		A-1-b, GrSa, gry, Wet, Rec. = 1.1 ft	12	11.6	34.9	46.7	18.4
		A-2-4, SiSa, brn-gry, Wet, Rec. = 1.4 ft	3	19.3	19.8	54.8	25.4
		A-4, SiSa, gry, Wet, Rec. = 1.6 ft	4	36.1	2.4	49.7	47.9
15		A-4, GrSaSi, gry, Wet, Rec. = 0.9 ft	35	18.9	24.1	28.8	47.1
		Gray, Phyllite, Competent., Moderately hard, Unweathered, BXMDC, 15.5 ft - 20.5 ft, Rec. = 4.9 ft	1	98	88	85	5
20							10
							8
							8
							10
Hole stopped @ 20.5 ft							
25							
30							
35							

T.H. 5 STA. 62+56, 15.0' LT.

Working to Get You There Vermont Agency of Transportation			STATE OF VERMONT AGENCY OF TRANSPORTATION MATERIALS & RESEARCH SECTION SUBSURFACE INFORMATION		BORING NUMBER: B-102 SHEET 1 of 1 DATE STARTED: 3/26/09 DATE COMPLETED: 3/26/09		
PROJECT NAME: HYDE PARK SITE NAME: ROUNDABOUT STATION: 62+56 OFFSET: -15.00 VTSPG: N 764393.58 ft E 1610145.18 ft			PROJECT NUMBER: HES 030-2(23) SITE NUMBER: VT.100 VT.15 TH5 GROUND ELEVATION: 702.89 ft GROUNDWATER DEPTH: 14.0 ft 3/26/09 PROJECT PIN NUMBER: 08B126				
BORING CREW CREW CHIEF: PORTER DRILLER: PORTER LOGGER: WERNER			BORING RIG: LAG TRACK RIG #10 w/AUTO HAMMER BORING TYPE: HOLLOW STEM AUGER SAMPLE TYPE: SPLIT BARREL CHECKED BY: CEE				
DEPTH (ft)	SYMBOL	CLASSIFICATION OF MATERIALS (Description)	BLOWS PER FOOT	M.C. (%)	GRAVEL (%)	SAND (%)	FINES (%)
5		Asphalt Pavement, 0.0 ft - 0.4 ft	18	4.7	48.4	40.4	11.2
		A-1-b, SaGr, brn, Moist, Rec. = 1.4 ft					
		A-4, SiSa, brn, Moist, Rec. = 1.7 ft	15	25.9	5.6	50.7	43.7
		A-2-4, SiSa, brn, Moist, Rec. = 1.6 ft	11	11.1	11.9	59.2	28.9
		A-2-4, SiSa, brn, Moist, Rec. = 0.4 ft, Stone in sampler.	11	11.6	7.3	58.2	34.5
10		A-1-b, SiGrSa, brn, Moist, Rec. = 1.5 ft	18	8.9	34.9	43.5	21.6
		A-1-b, SiGrSa, brn, MTW, Rec. = 1.1 ft	6	11.4	37.3	42.1	20.6
		A-4, SiSa, gry, Wet, Rec. = 1.3 ft	3	23.0	11.7	45.7	42.6
15		A-4, SaSi, gry, Wet, Rec. = 2.0 ft	2	37.2	2.5	45.6	51.9
20		Field Note:, Ledge or Boulder at 18.5 ft Hole stopped @ 18.5 ft					
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VT ROUTE 15 STA. 95+88, 42.1' RT.

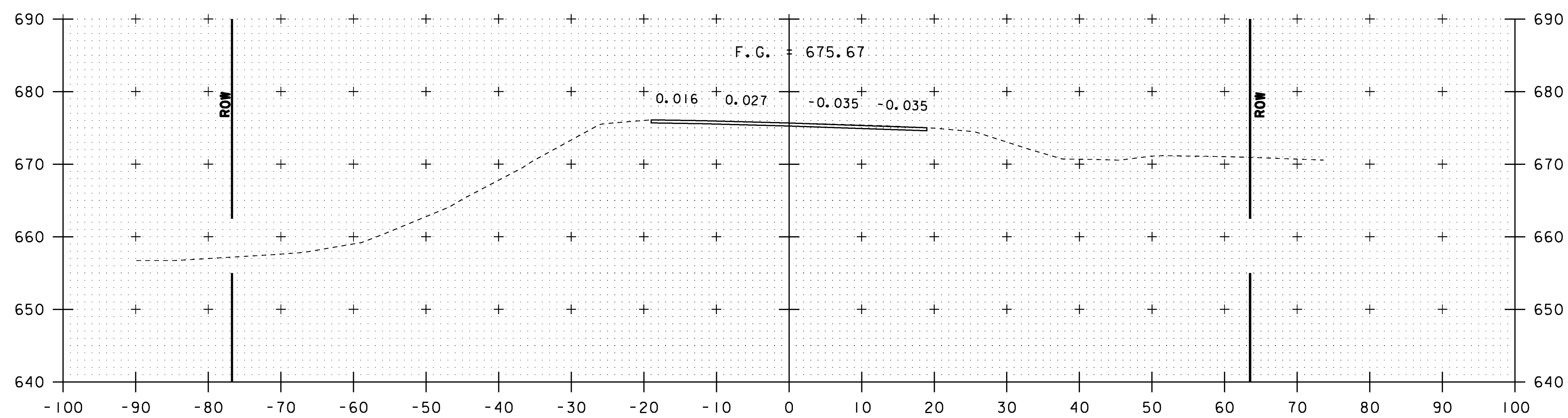
			STATE OF VERMONT AGENCY OF TRANSPORTATION MATERIALS & RESEARCH SECTION SUBSURFACE INFORMATION			BORING NUMBER: B-103 SHEET 1 of 1 DATE STARTED: 4/01/09 DATE COMPLETED: 4/02/09		
PROJECT NAME: HYDE PARK SITE NAME: ROUNDABOUT STATION: 0+65 OFFSET: 0.00 VTSPG: N 764460.16 ft E 1610120.58 ft			PROJECT NUMBER: HES 030-2(23) SITE NUMBER: VT.100 VT.15 TH5 GROUND ELEVATION: 703.22 ft GROUNDWATER DEPTH: 13.7 ft 4/02/09 PROJECT PIN NUMBER: 08B126			BORING RIG: LAG TRACK RIG #10 w/AUTO HAMMER BORING TYPE: WASH BORE SAMPLE TYPE: SPLIT BARREL CHECKED BY: CEE		
DEPTH (ft)	SYMBOL	CLASSIFICATION OF MATERIALS (Description)	BLOWS PER FOOT	M.C. (%)	GRAVEL (%)	SAND (%)	FINES (%)	
			RUN	REC (%)	RQD (%)	Dip (deg)	Drill Rate (min/ft)	
5		Asphalt Pavement, 0.0 ft - 0.3 ft	28	7.8				
		Visual Classification, Broken Asphalt Pavement with SaGr, brn, Moist, Rec. = 1.2 ft	15	12.3	16.3	59.2	24.5	
		A-2-4, SiSa, brn, Moist, Rec. = 1.4 ft						
		No Recovery. Appears to be Gravel, 4.0 ft - 6.0 ft	22					
10		A-2-4, GrSiSa, gry, Moist, Rec. = 0.8 ft	12	13.9	30.0	39.7	30.3	
		Visual Classification, SiGrSa, brn, Moist, Rec. = 0.3 ft, Insufficient sample for testing.	19					
		No Recovery. Lost water at 10.0 ft, 10.0 ft - 12.0 ft	3					
		A-4, SiSa, brn, Moist, Rec. = 1.0 ft	6	17.2	16.5	42.1	41.4	
15		A-2-4, SiSa, brn, Moist, Rec. = 1.0 ft	11	15.9	20.0	47.4	32.6	
		A-4, SiSa with sticks and roots, brn-gry, Moist, Rec. = 2.0 ft, Oder of burnt wood.	6	36.0	13.9	44.0	42.1	
		A-4, SaSi, gry, Moist, Rec. = 1.9 ft	12	20.1	0.0	38.8	61.2	
		A-4, GrSi, gry, Moist, Rec. = 1.0 ft	9	23.5	31.3	10.1	58.6	
20		No Recovery. Rock in sampler. Appears to be silt, 22.0 ft - 23.7 ft	12					
25		Gray, Phyllite, with some pyrite. Poor RQD (May be due to mechanical breakage during drilling)., Moderately hard, Unweathered, BXMDC, 23.8 ft - 26.8 ft, Rec. = 2.5 ft	1	83	0	85	8	
							10	
							12	
		Gray, Phyllite, with some pyrite. Poor RQD (May be due to mechanical breakage during drilling)., Moderately hard, Unweathered, BXMDC, 26.8 ft - 28.8 ft, Rec. = 2.0 ft	2	100	0	85	10	
Hole stopped @ 28.8 ft							8	
30								
35								

PROJECT NAME: HYDE PARK
PROJECT NUMBER: HES 030-2(23)

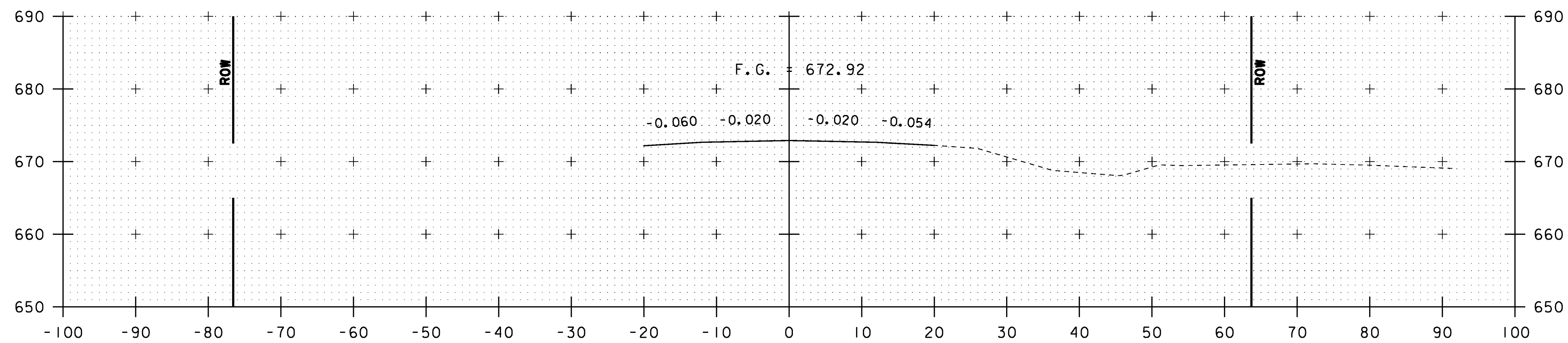
FILE NAME: +08b126frm.dgn
PROJECT LEADER: JLS
DESIGNED BY: MBL
BORING LOG SHEET

PLOT DATE: 08-DEC-2010
DRAWN BY: MBL
CHECKED BY: JAD
SHEET 77 OF 100

NOTE:
BORING LOCATIONS CAN BE
FOUND ON LAYOUT SHEET 2.

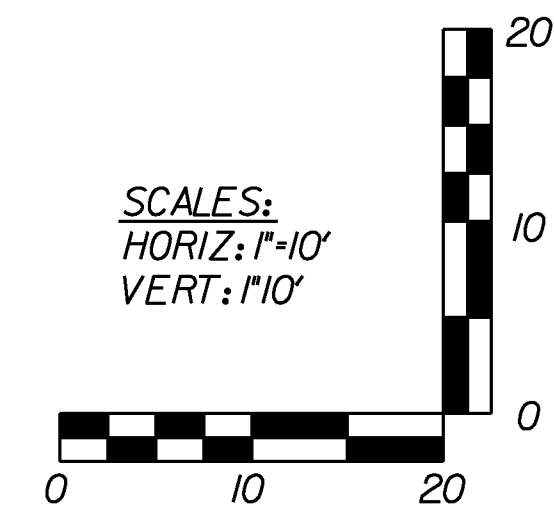


91+50

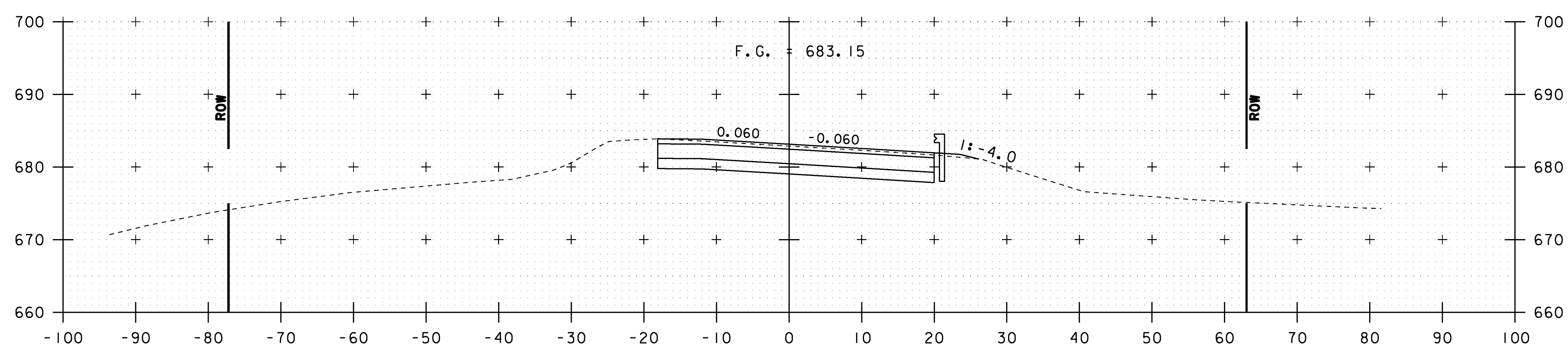


91+14.77

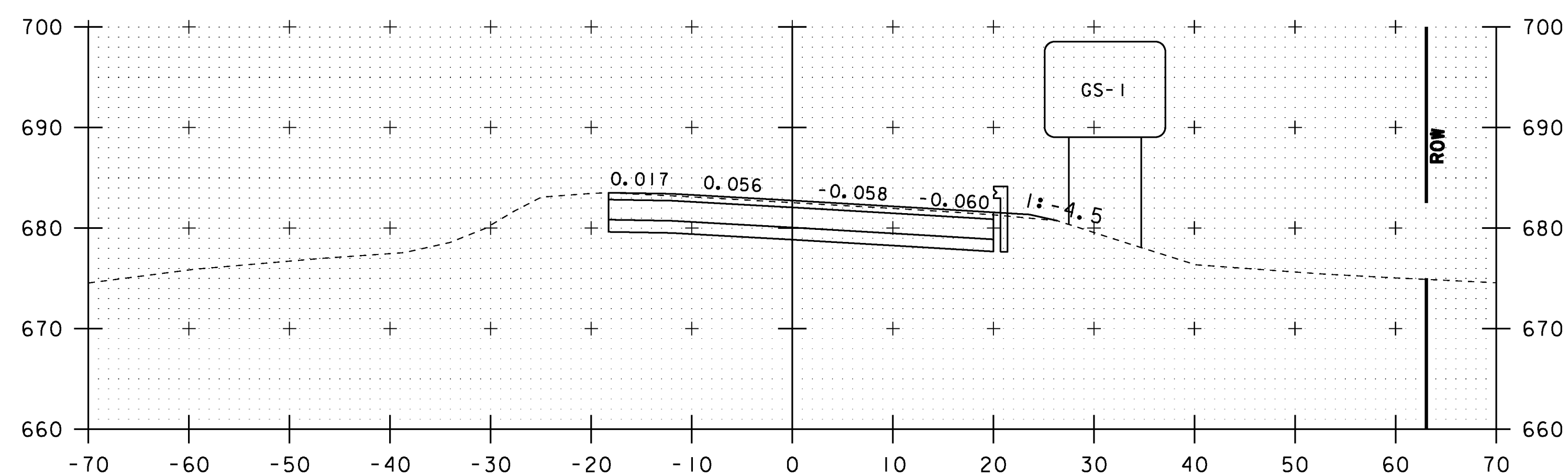
BEGIN APPROACH
MATCH EXISTING



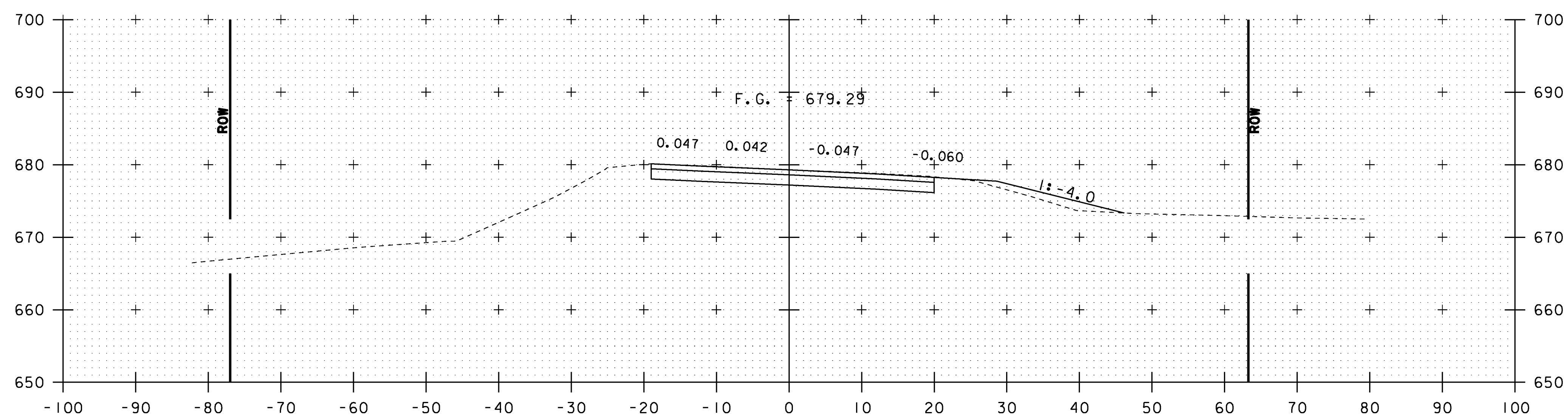
VT ROUTE 15	
STA. 91+14.77 TO STA. 91+50	
PROJECT NAME: HYDE PARK	
PROJECT NUMBER: HES 030-2(23)	
FILE NAME: +08b126xs.dgn	PLOT DATE: 08-DEC-2010
PROJECT LEADER: JLS	DRAWN BY: MBL
DESIGNED BY: MBL	CHECKED BY: JAD
CROSS SECTION SHEET 1	SHEET 78 OF 100



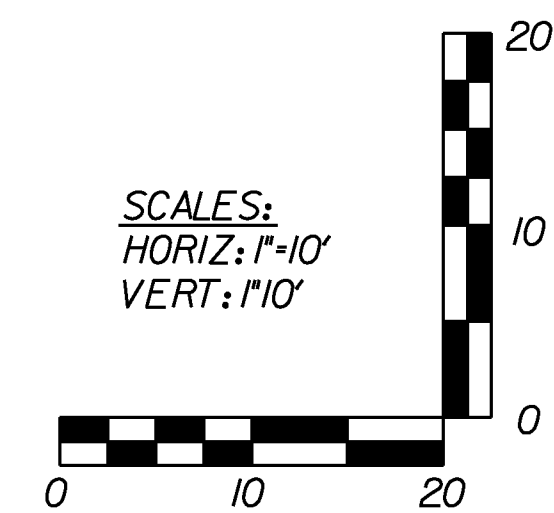
92+50



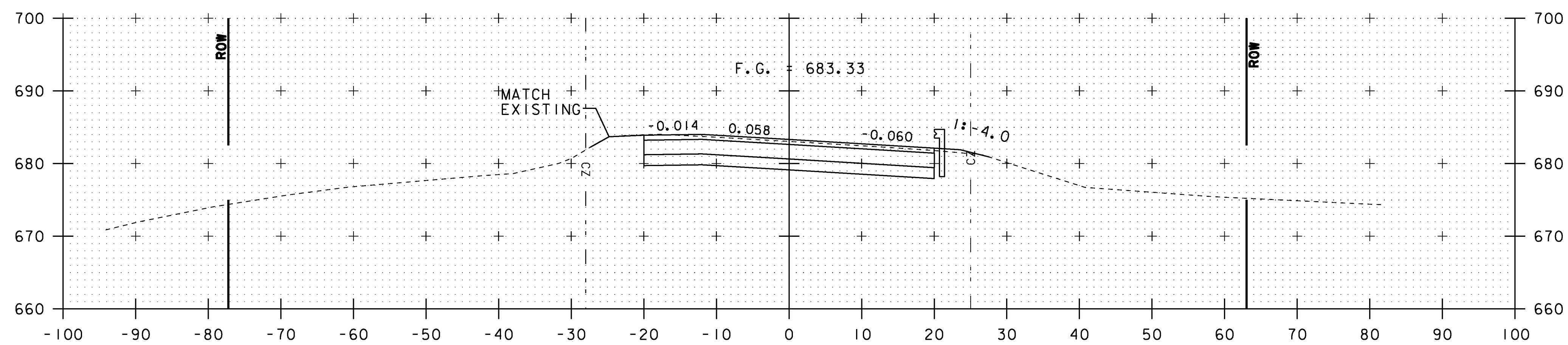
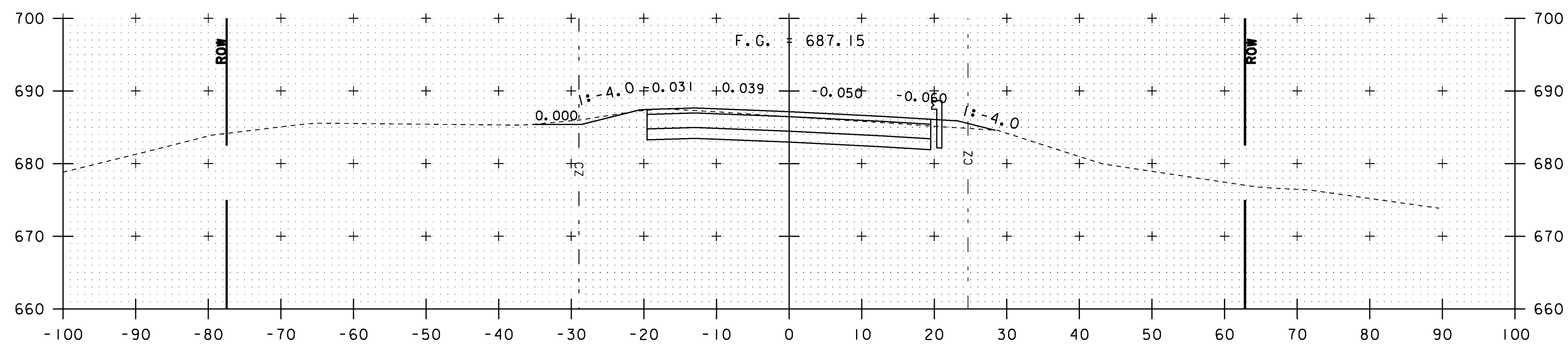
92+45



92+00



VT ROUTE 15	
STA. 92+00 TO STA. 92+50	
PROJECT NAME:	HYDE PARK
PROJECT NUMBER:	HES 030-2(23)
FILE NAME: +08b126xs.dgn	PLOT DATE: 08-DEC-2010
PROJECT LEADER: JLS	DRAWN BY: MBL
DESIGNED BY: MBL	CHECKED BY: JAD
CROSS SECTION SHEET 2	SHEET 79 OF 100



END APPROACH
BEGIN PROJECT
HES 030-2 (23)

SCALES:
HORIZ: 1"=10'
VERT: 1"=10'

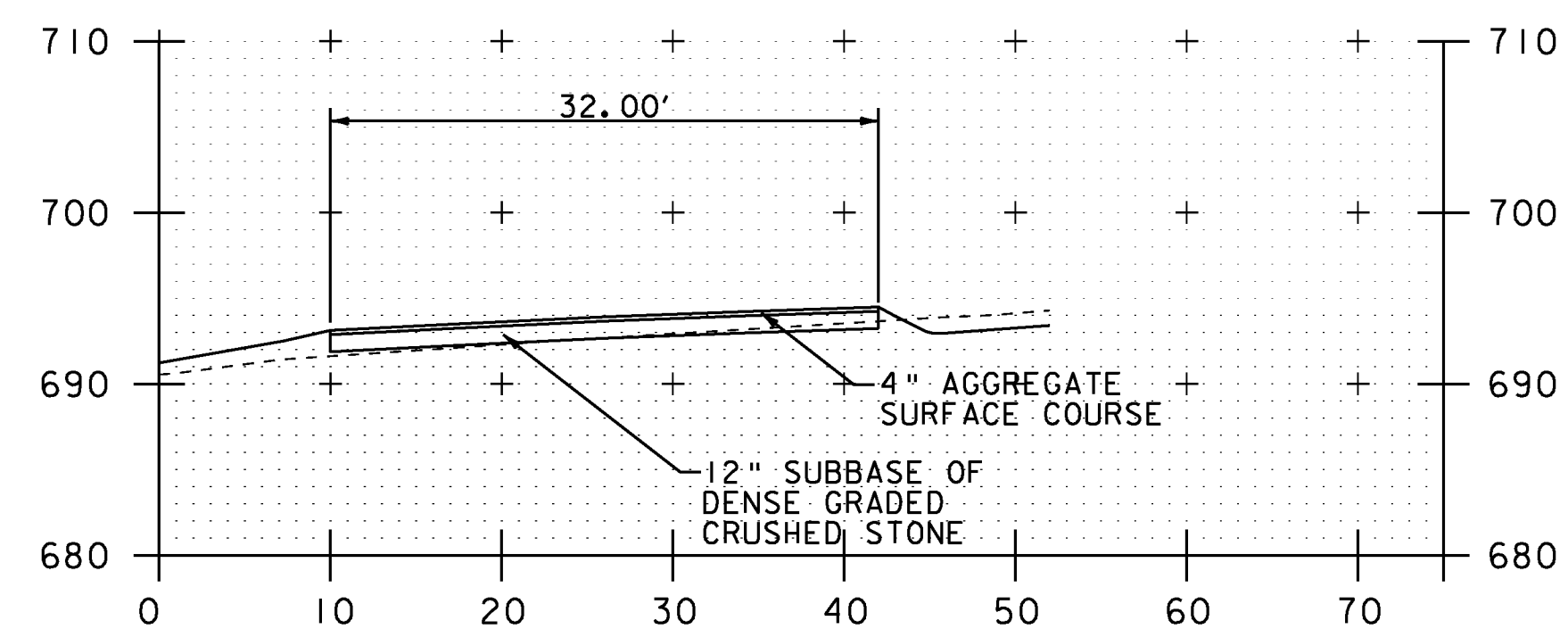
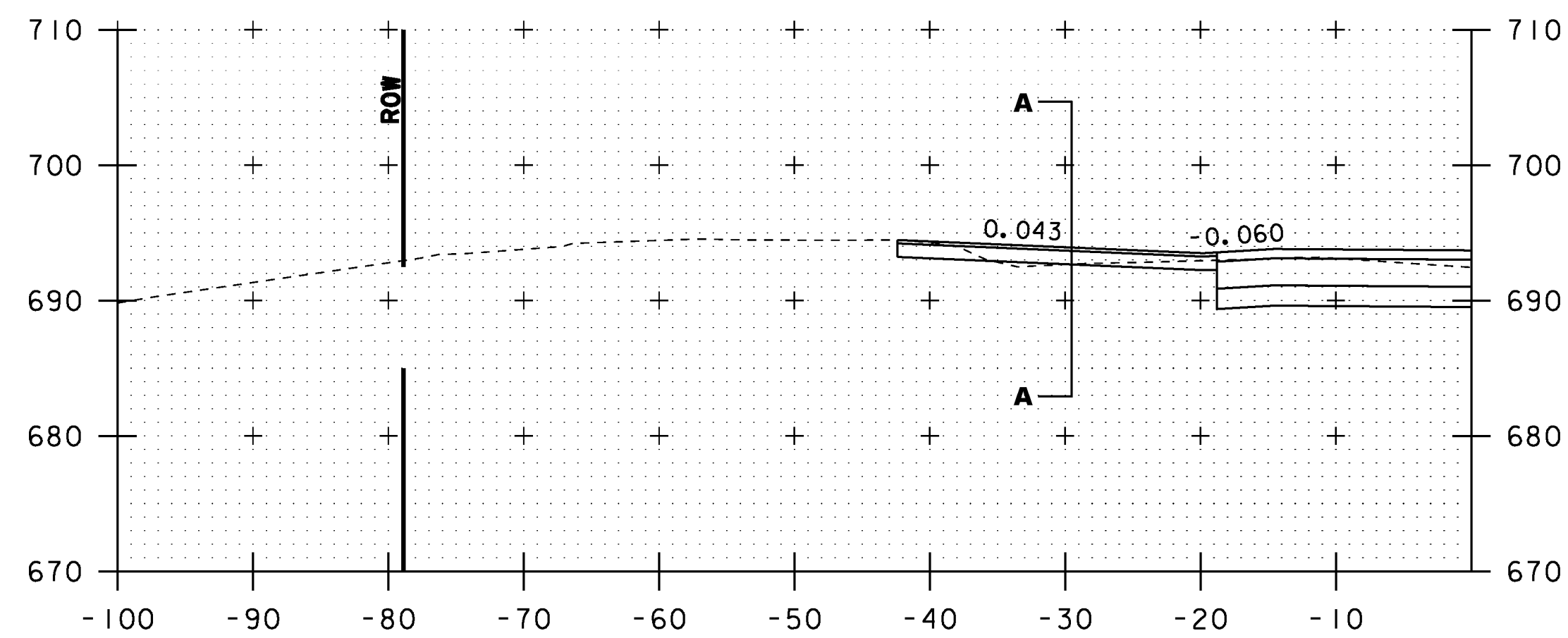
VT ROUTE 15

STA. 92+52.27 TO STA. 93+00

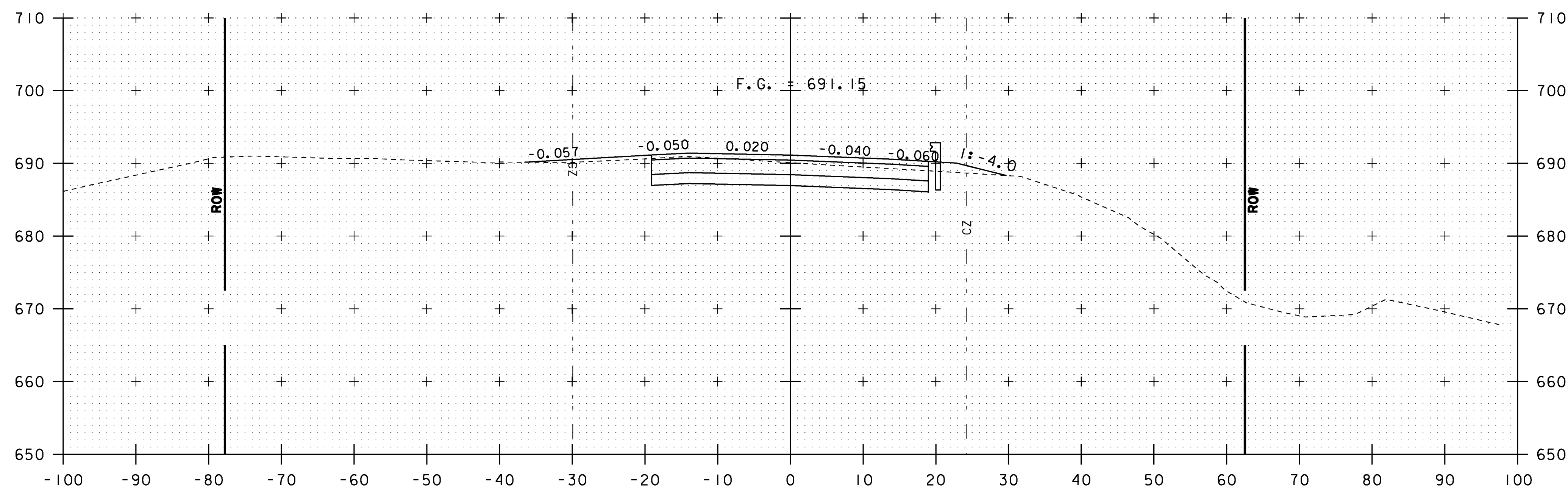
PROJECT NAME:	HYDE PARK
PROJECT NUMBER:	HES 030-2(23)

FILE NAME: +08b126xs.dgn
PROJECT LEADER: JLS
DESIGNED BY: MBL
CROSS SECTION SHEET 3

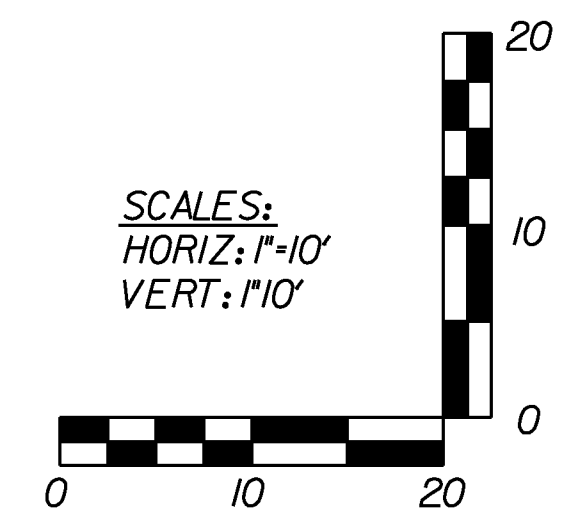
PLOT DATE: 08-DEC-2010
DRAWN BY: MBL
CHECKED BY: JAD
SHEET 80 OF 100



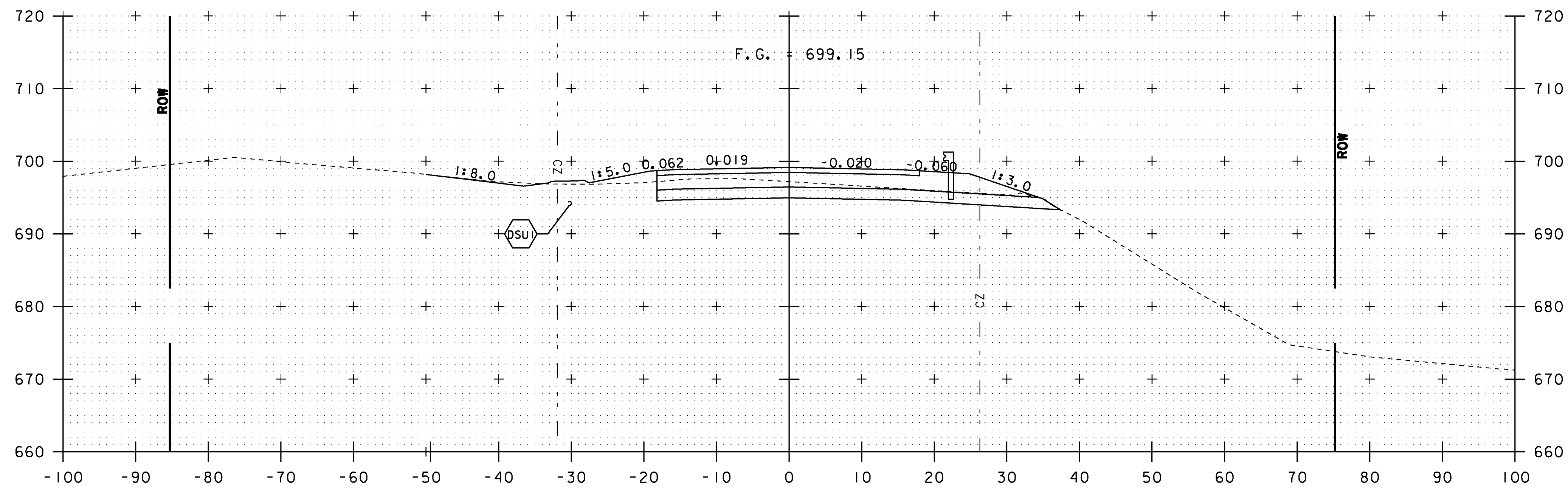
93+82 A-A



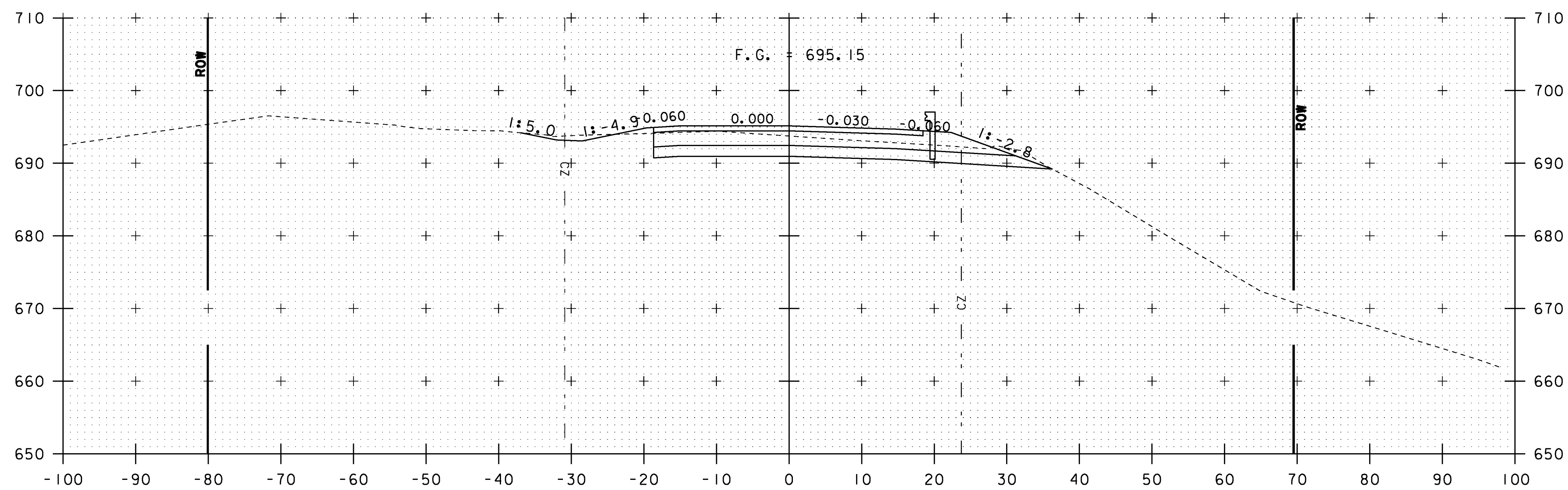
93+50



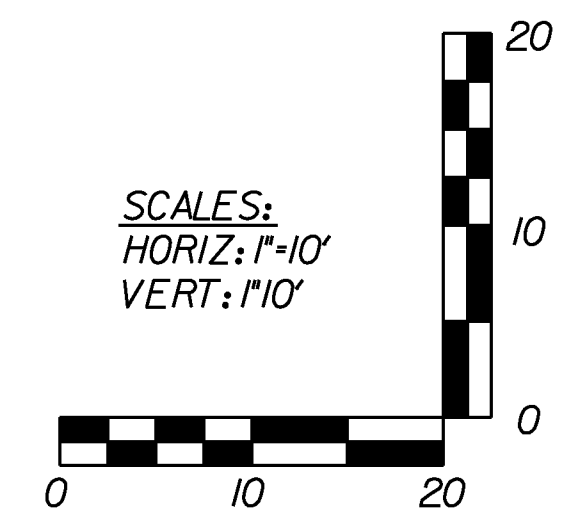
VT ROUTE 15	
STA. 93+50 TO STA. 93+82	
PROJECT NAME:	HYDE PARK
PROJECT NUMBER:	HES 030-2(23)
FILE NAME: +08bl26xs.dgn	PLOT DATE: 08-DEC-2010
PROJECT LEADER: JLS	DRAWN BY: MBL
DESIGNED BY: MBL	CHECKED BY: JAD
CROSS SECTION SHEET 4	SHEET 81 OF 100



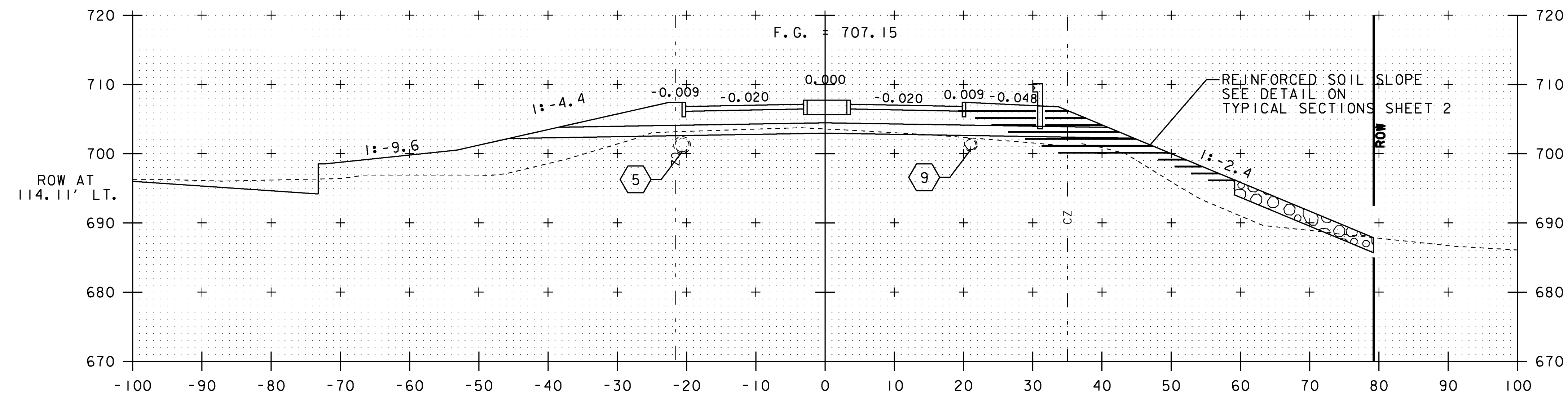
94+50



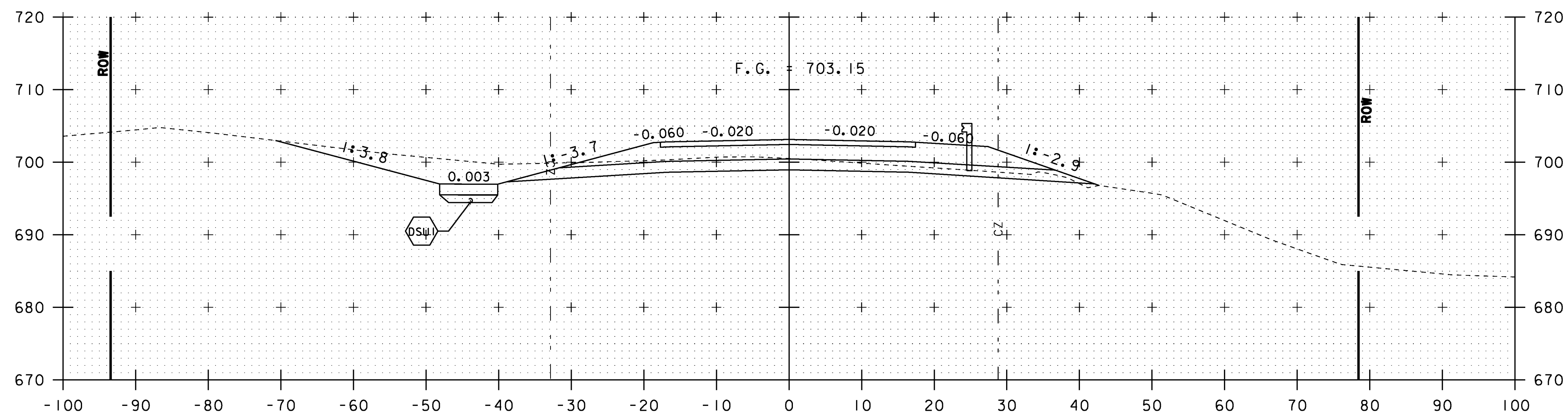
94+00



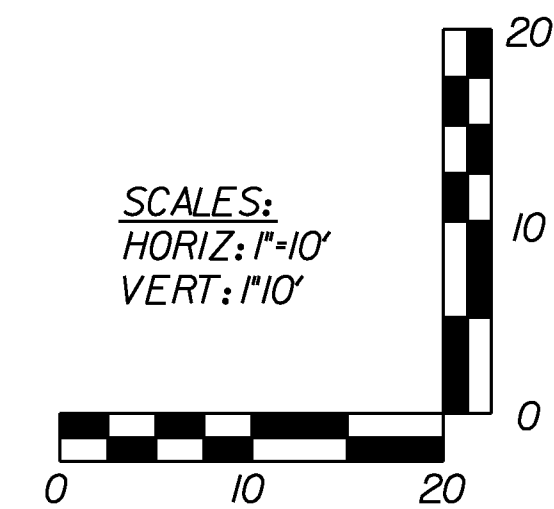
VT ROUTE 15	
STA. 94+00 TO STA. 94+50	
PROJECT NAME: HYDE PARK	
PROJECT NUMBER: HES 030-2(23)	
FILE NAME: +08b126xs.dgn	PLOT DATE: 08-DEC-2010
PROJECT LEADER: JLS	DRAWN BY: MBL
DESIGNED BY: MBL	CHECKED BY: JAD
CROSS SECTION SHEET 5	SHEET 82 OF 100



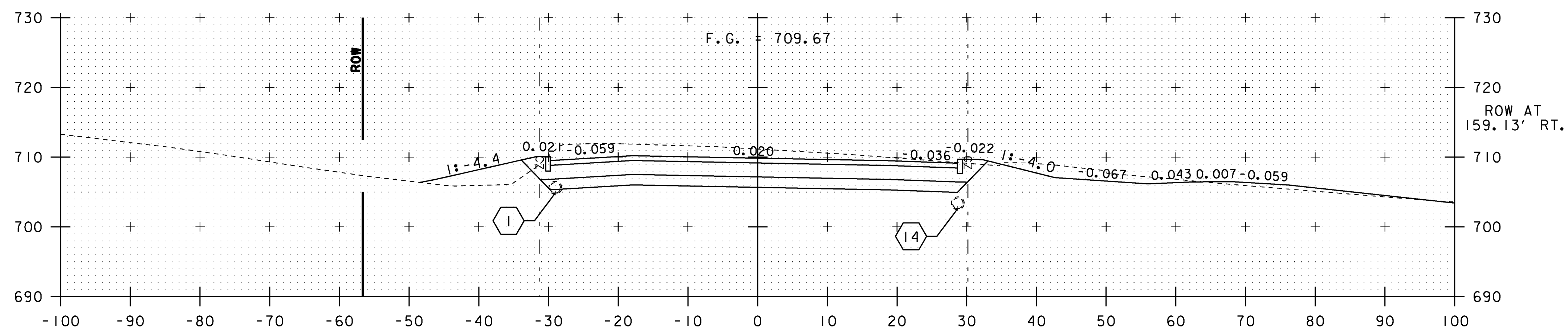
95+50



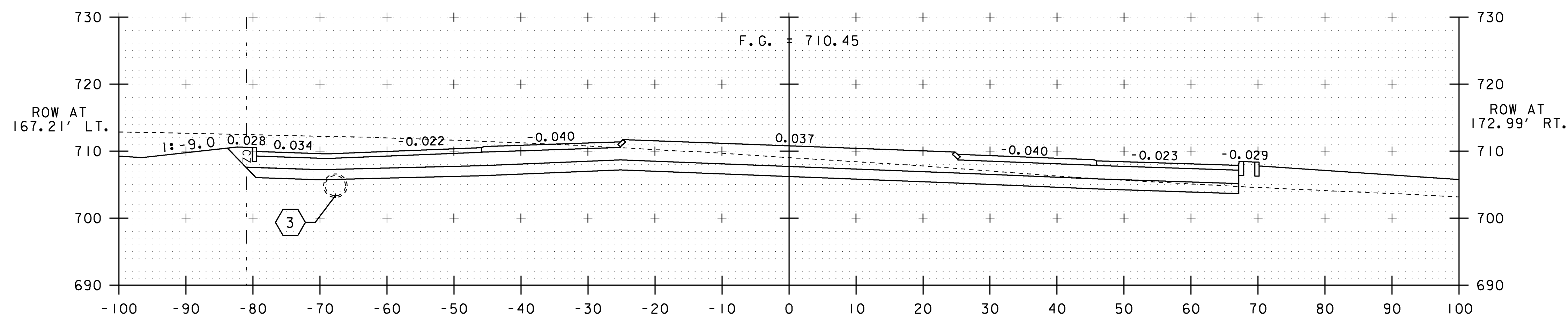
95+00



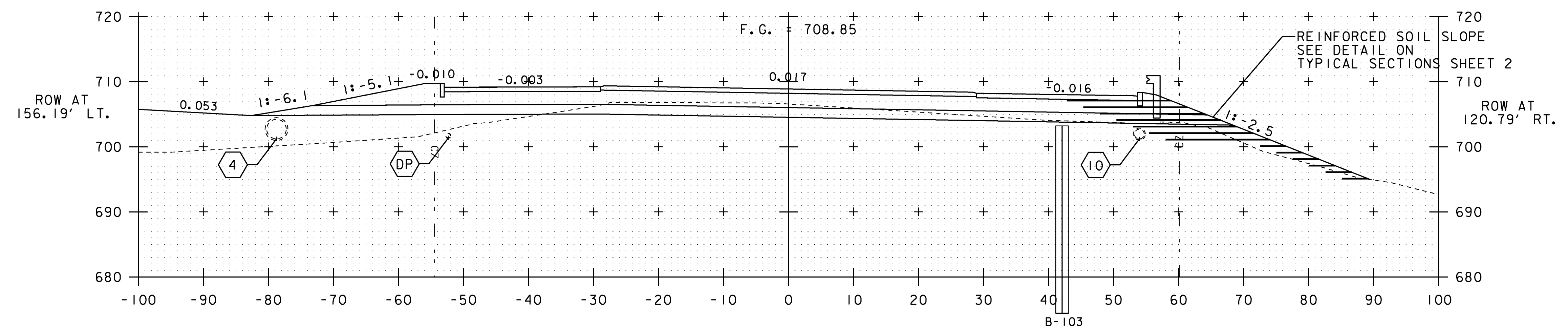
VT ROUTE 15	
STA. 95+00 TO STA. 95+50	
PROJECT NAME:	HYDE PARK
PROJECT NUMBER:	HES 030-2(23)
FILE NAME: +08b126xs.dgn	PLOT DATE: 08-DEC-2010
PROJECT LEADER: JLS	DRAWN BY: MBL
DESIGNED BY: MBL	CHECKED BY: JAD
CROSS SECTION SHEET 6	SHEET 83 OF 100



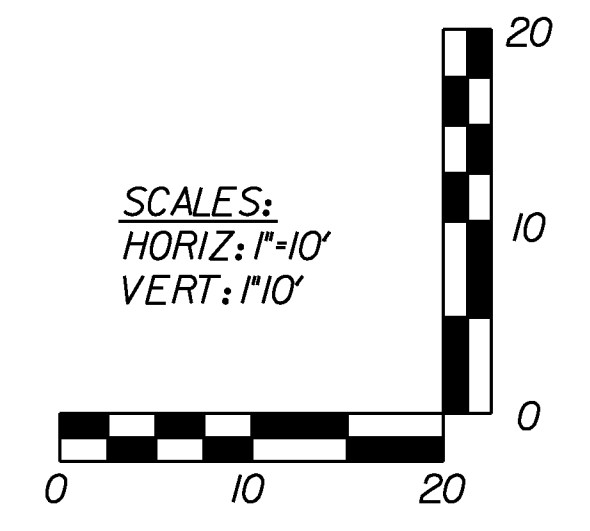
97+00



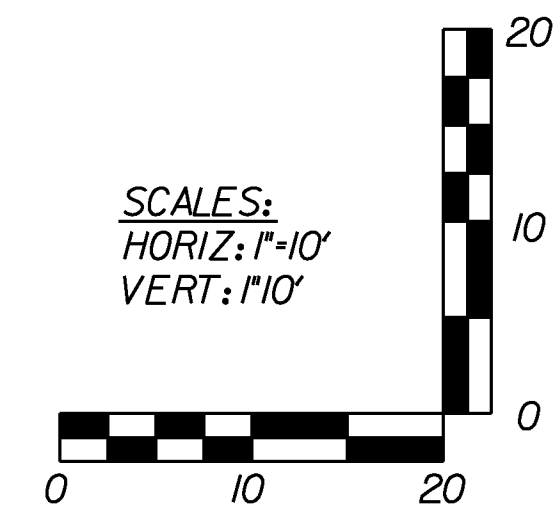
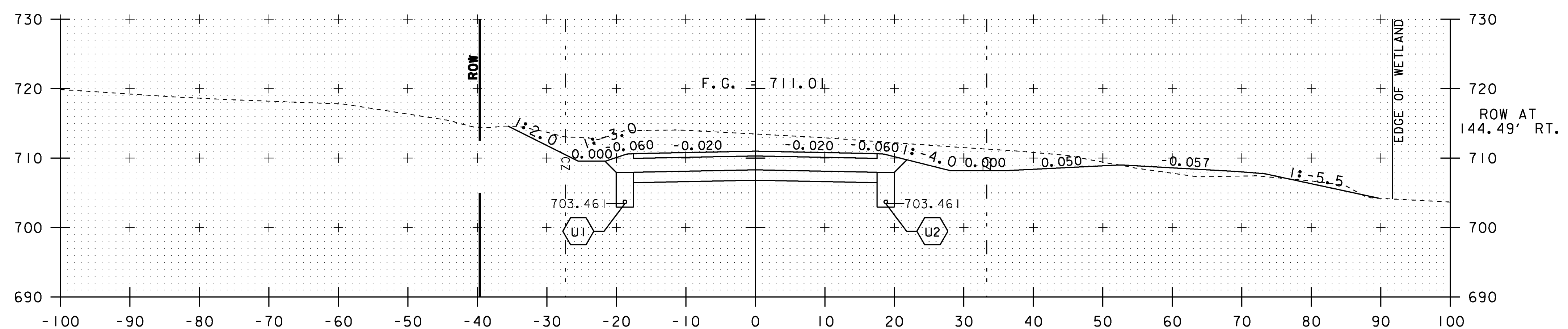
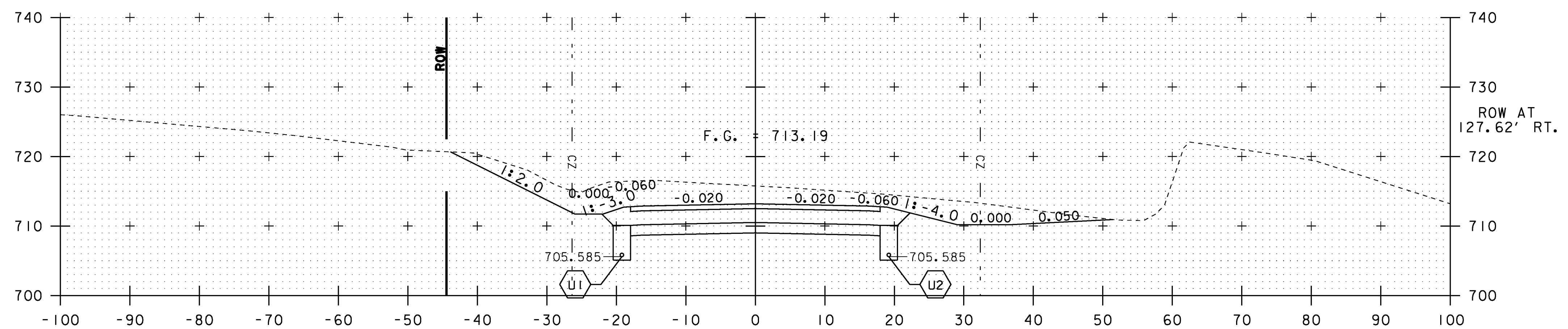
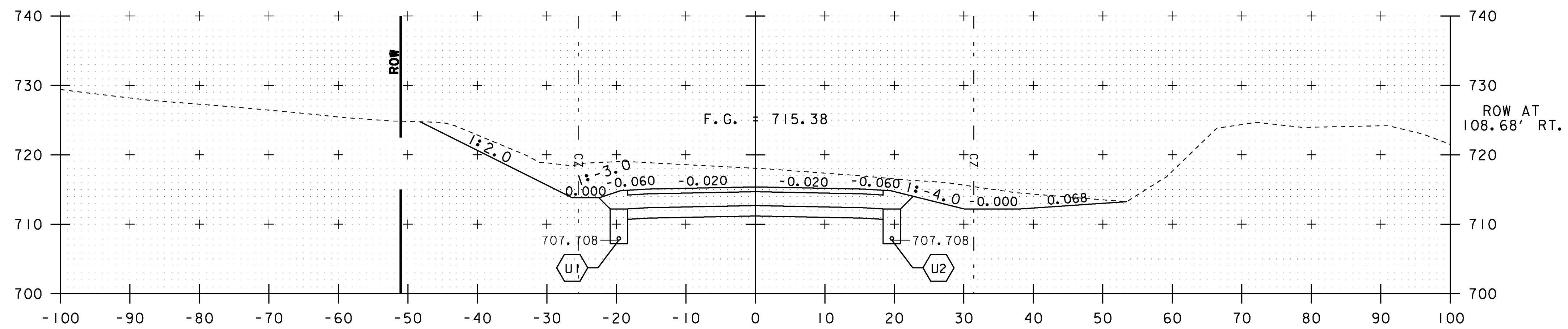
96+50



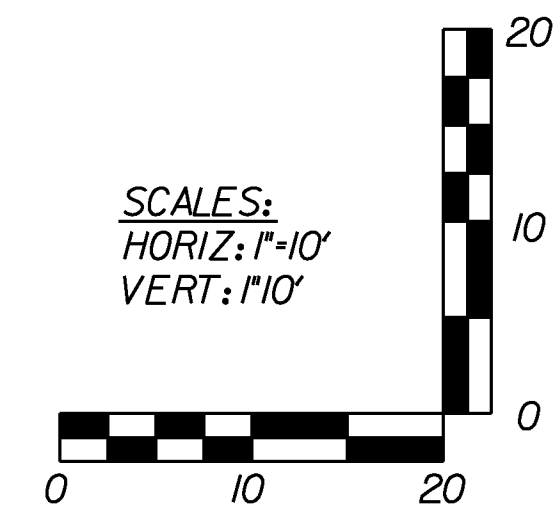
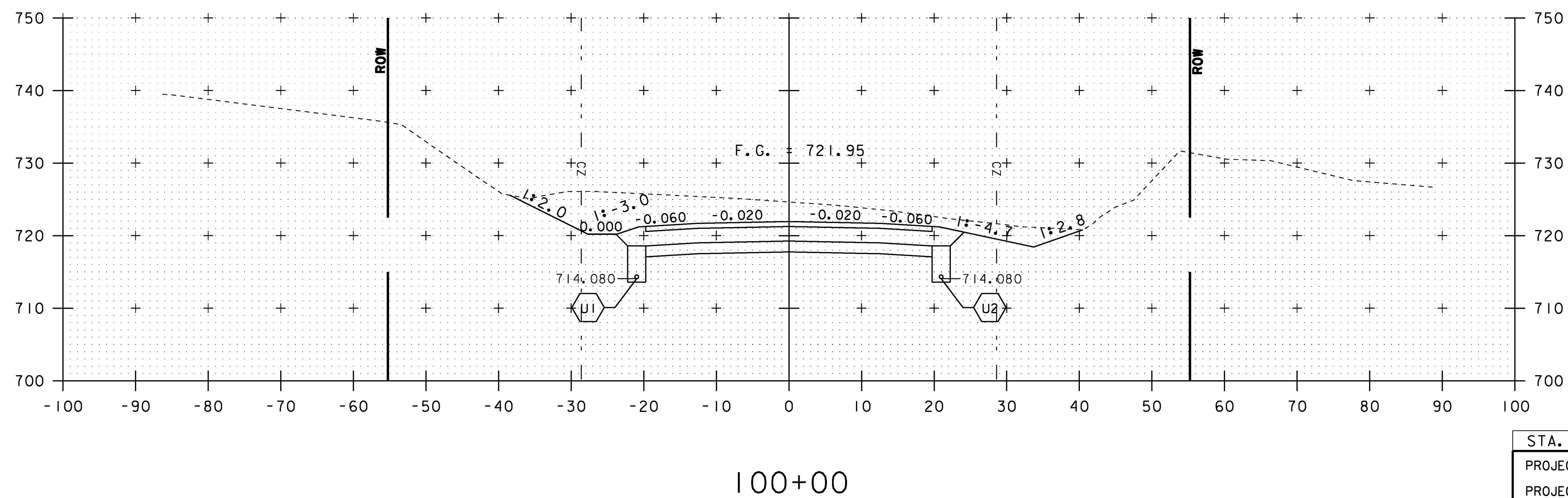
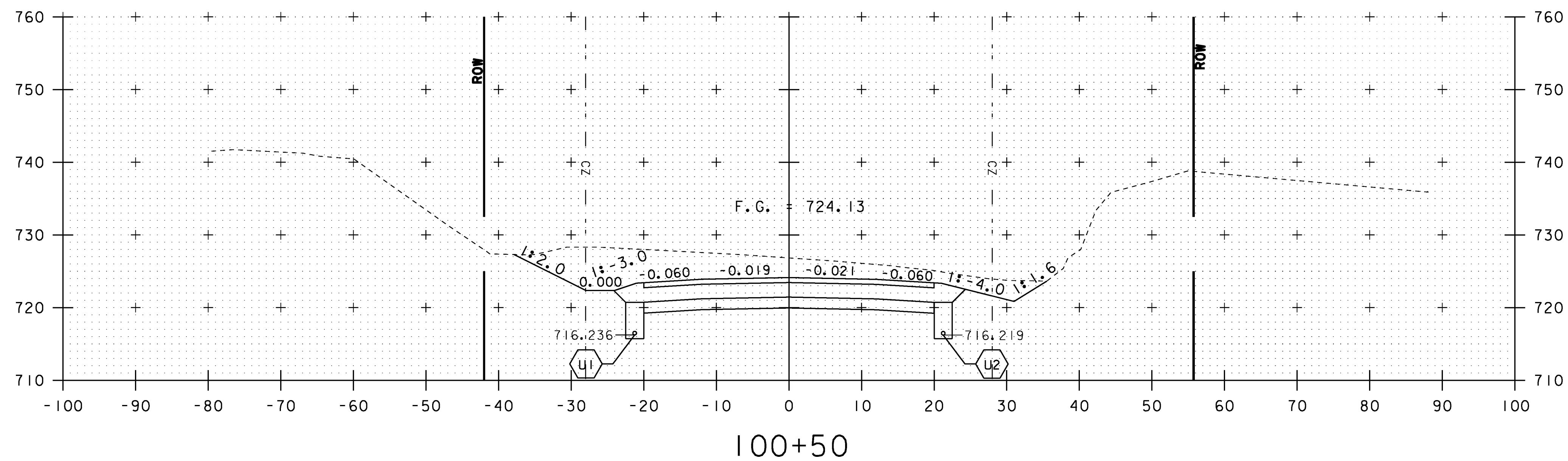
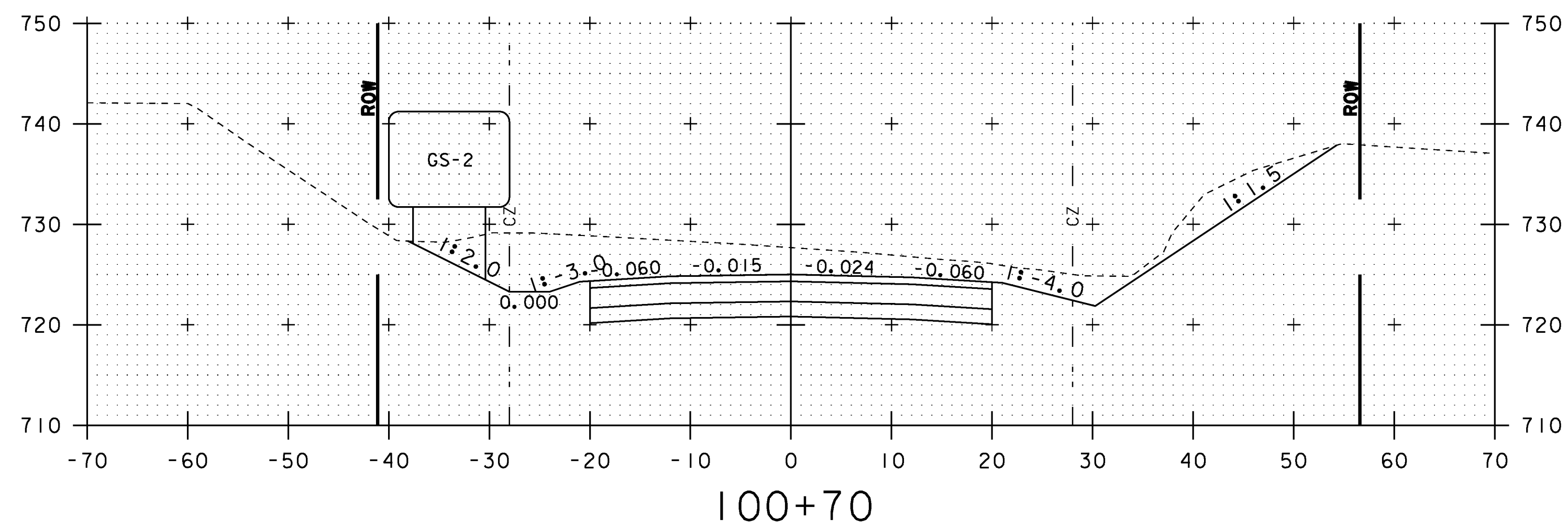
96+00



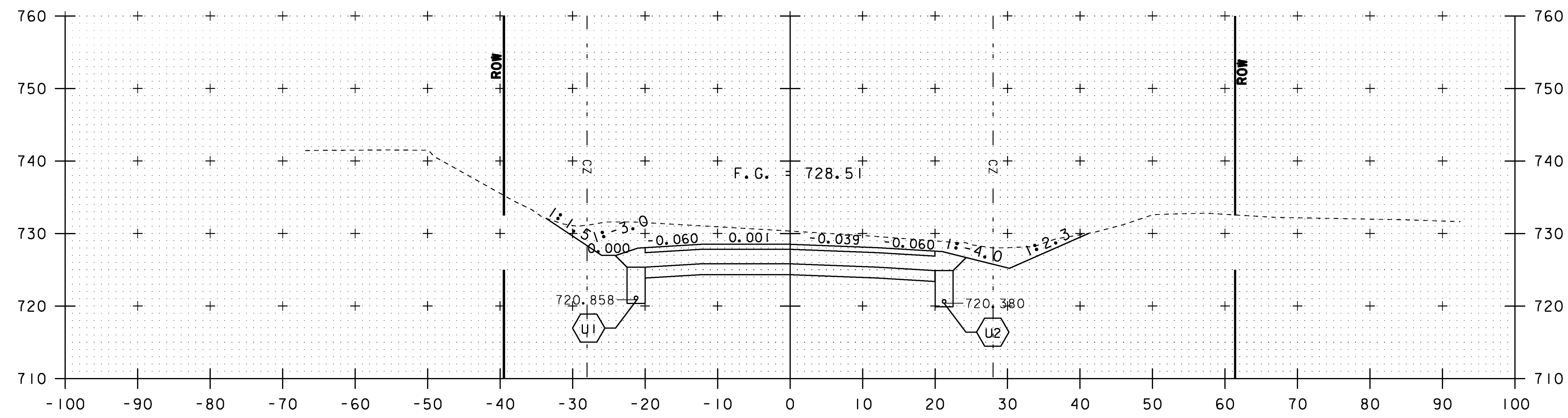
VT ROUTE 15	
STA. 96+00 TO STA. 97+00	
PROJECT NAME:	HYDE PARK
PROJECT NUMBER:	HES 030-2(23)
FILE NAME: +08bl26xs.dgn	PLOT DATE: 08-DEC-2010
PROJECT LEADER: JLS	DRAWN BY: MBL
DESIGNED BY: MBL	CHECKED BY: JAD
CROSS SECTION SHEET 7	SHEET 84 OF 100



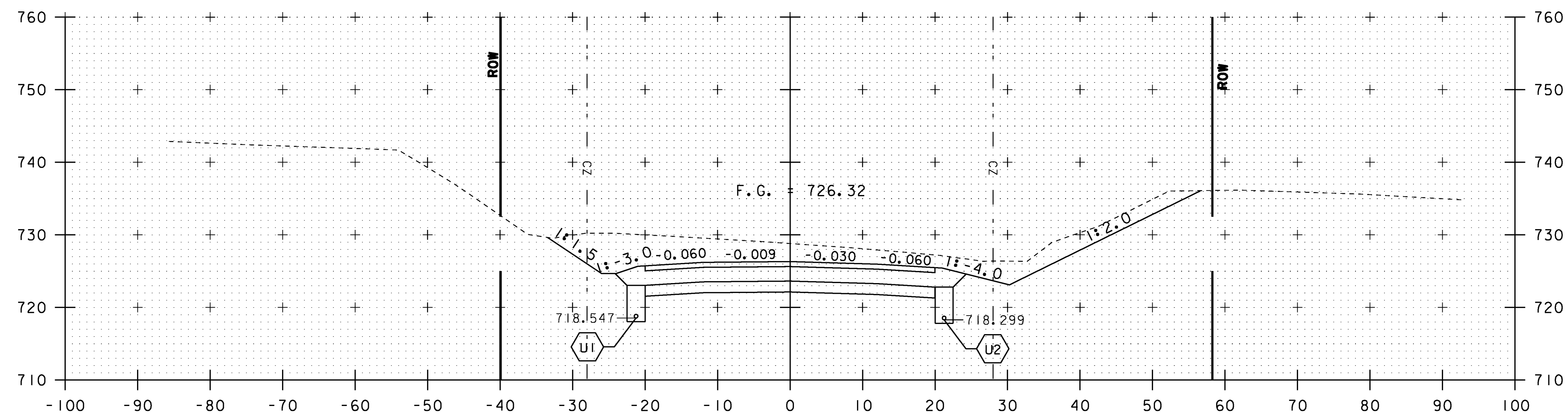
VT ROUTE 15	
STA. 97+50 TO STA. 98+50	
PROJECT NAME:	HYDE PARK
PROJECT NUMBER:	HES 030-2(23)
FILE NAME: +08b126xs.dgn	PLOT DATE: 08-DEC-2010
PROJECT LEADER: JLS	DRAWN BY: MBL
DESIGNED BY: MBL	CHECKED BY: JAD
CROSS SECTION SHEET 8	SHEET 85 OF 100



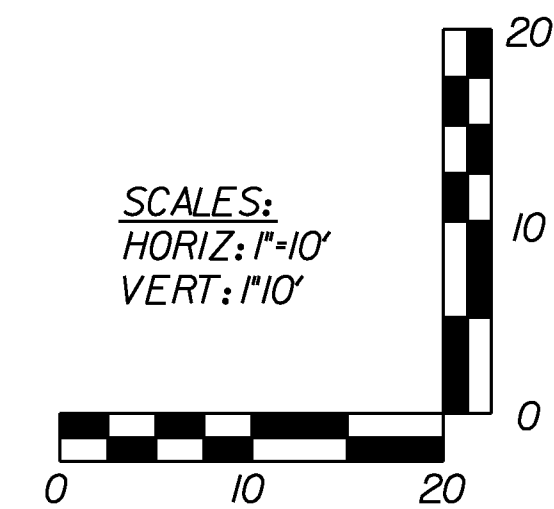
VT ROUTE 15	
STA. 100+00 TO STA. 100+70	
PROJECT NAME: HYDE PARK	
PROJECT NUMBER: HES 030-2(23)	
FILE NAME: +08bl26xs.dgn	PLOT DATE: 08-DEC-2010
PROJECT LEADER: JLS	DRAWN BY: MBL
DESIGNED BY: MBL	CHECKED BY: JAD
CROSS SECTION SHEET 10	SHEET 87 OF 100



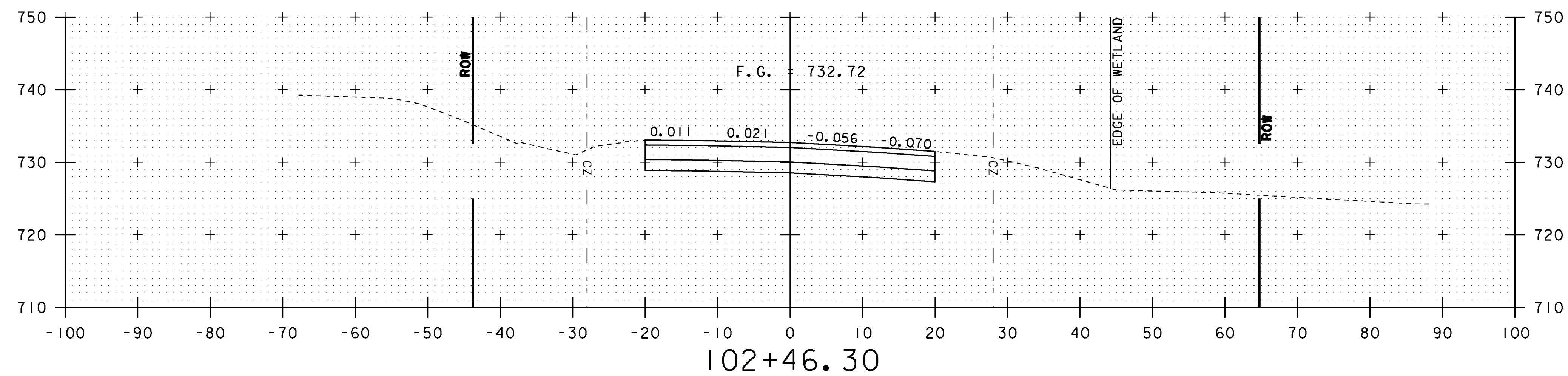
101+50



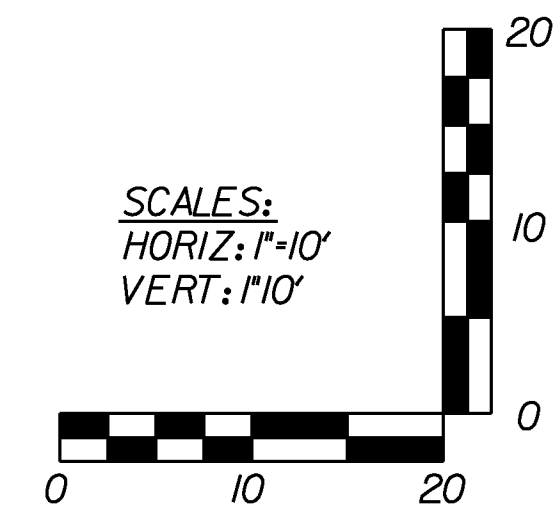
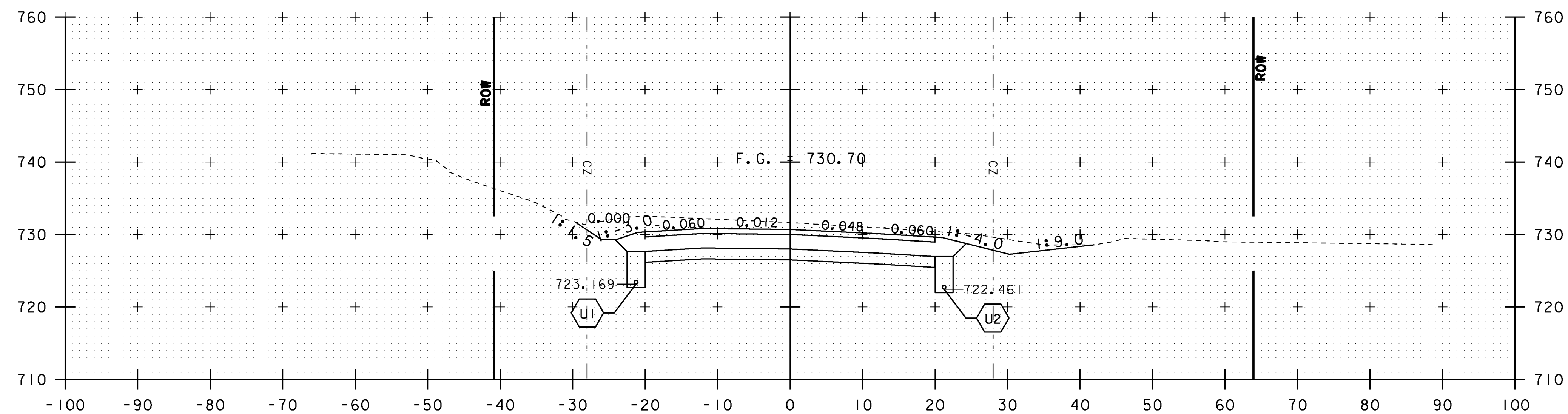
101+00



VT ROUTE 15	
STA. 101+00 TO STA. 101+50	
PROJECT NAME: HYDE PARK	
PROJECT NUMBER: HES 030-2(23)	
FILE NAME: +08b126xs.dgn	PLOT DATE: 08-DEC-2010
PROJECT LEADER: JLS	DRAWN BY: MBL
DESIGNED BY: MBL	CHECKED BY: JAD
CROSS SECTION SHEET II	SHEET 88 OF 100



END PROJECT
HES 030-2 (23)
BEGIN APPROACH

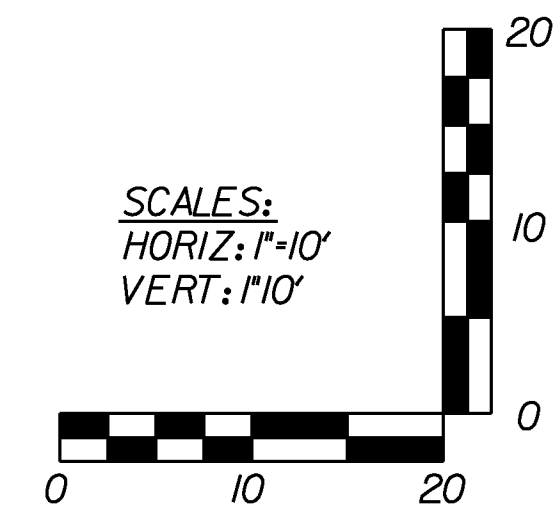
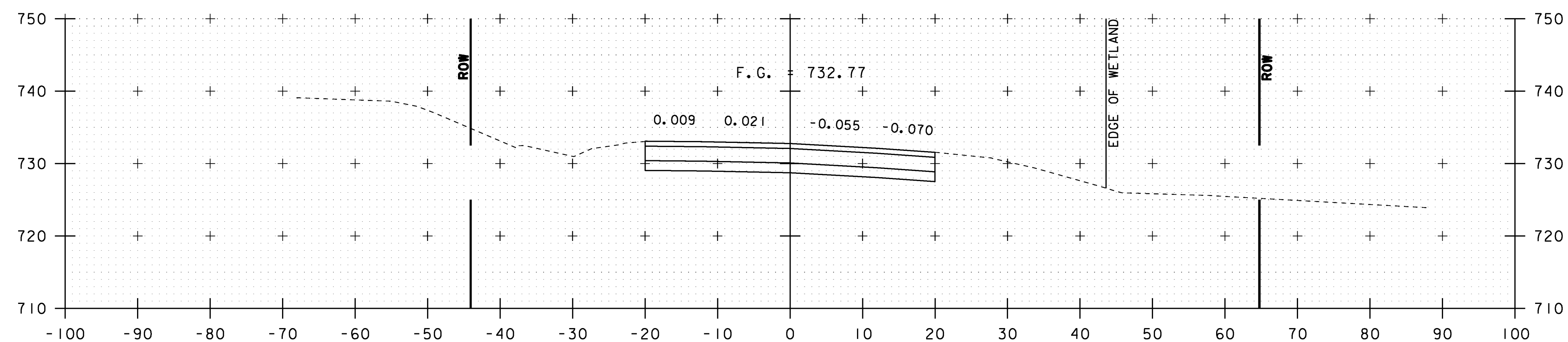
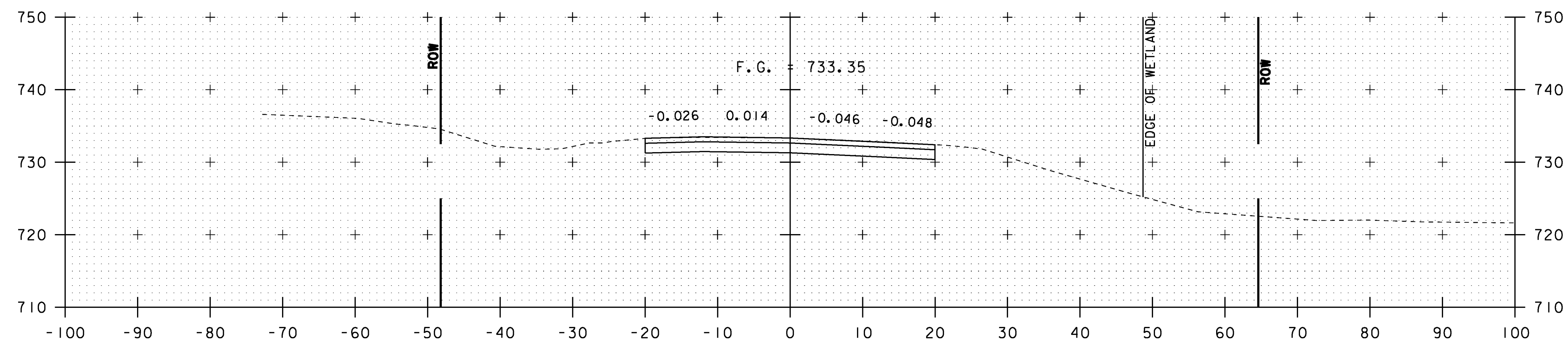
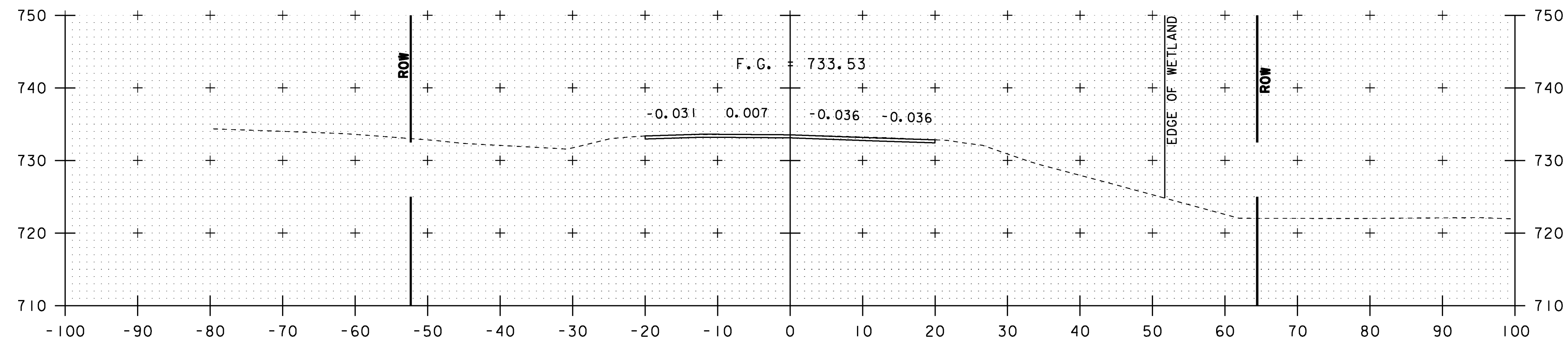


VT ROUTE 15
STA. 102+00 TO STA. 102+46.30

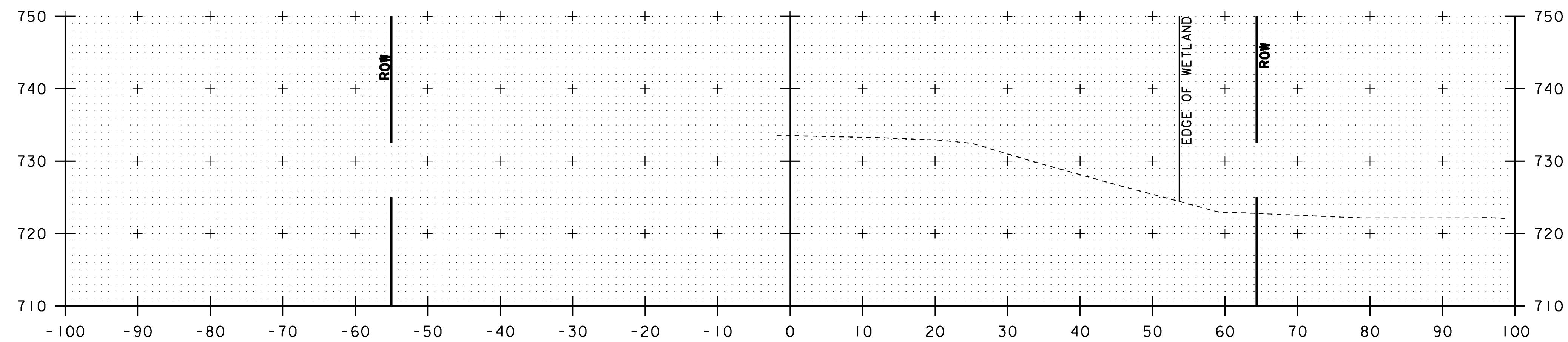
PROJECT NAME: HYDE PARK
PROJECT NUMBER: HES 030-2(23)

FILE NAME: t08b126xs.dgn
PROJECT LEADER: JLS
DESIGNED BY: MBL
CROSS SECTION SHEET 12

PLOT DATE: 08-DEC-2010
DRAWN BY: MBL
CHECKED BY: JAD
SHEET 89 OF 100

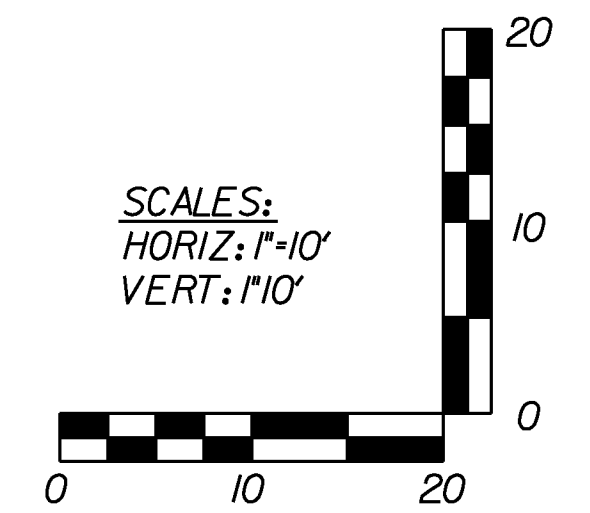


VT ROUTE 15	
STA. 102+50 TO STA. 103+50	
PROJECT NAME: HYDE PARK	
PROJECT NUMBER: HES 030-2(23)	
FILE NAME: +08bl26xs.dgn	PLOT DATE: 08-DEC-2010
PROJECT LEADER: JLS	DRAWN BY: MBL
DESIGNED BY: MBL	CHECKED BY: JAD
CROSS SECTION SHEET 13	SHEET 90 OF 100



103+83.80

END APPROACH
MATCH EXISTING

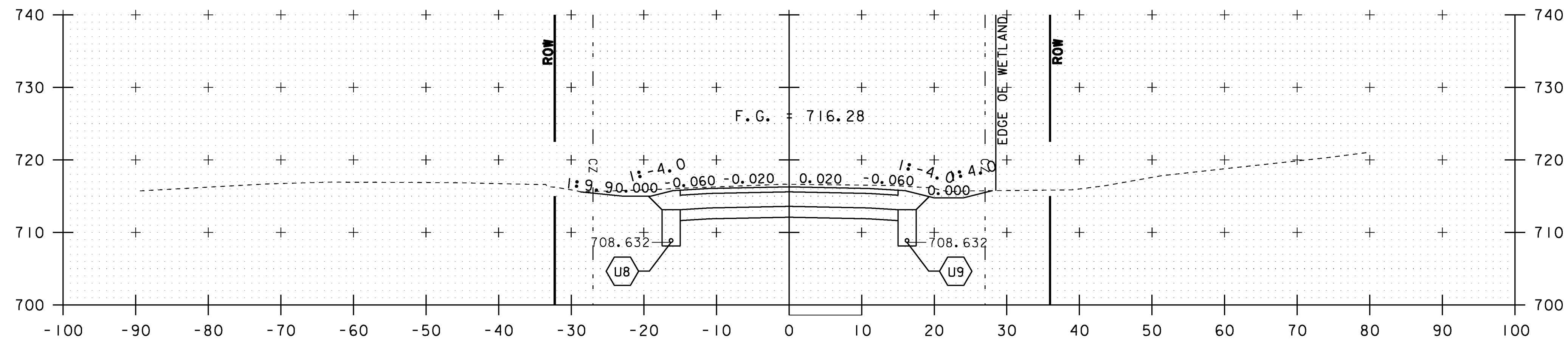


VT ROUTE 15
STA. 103+84 TO STA. 103+83.80

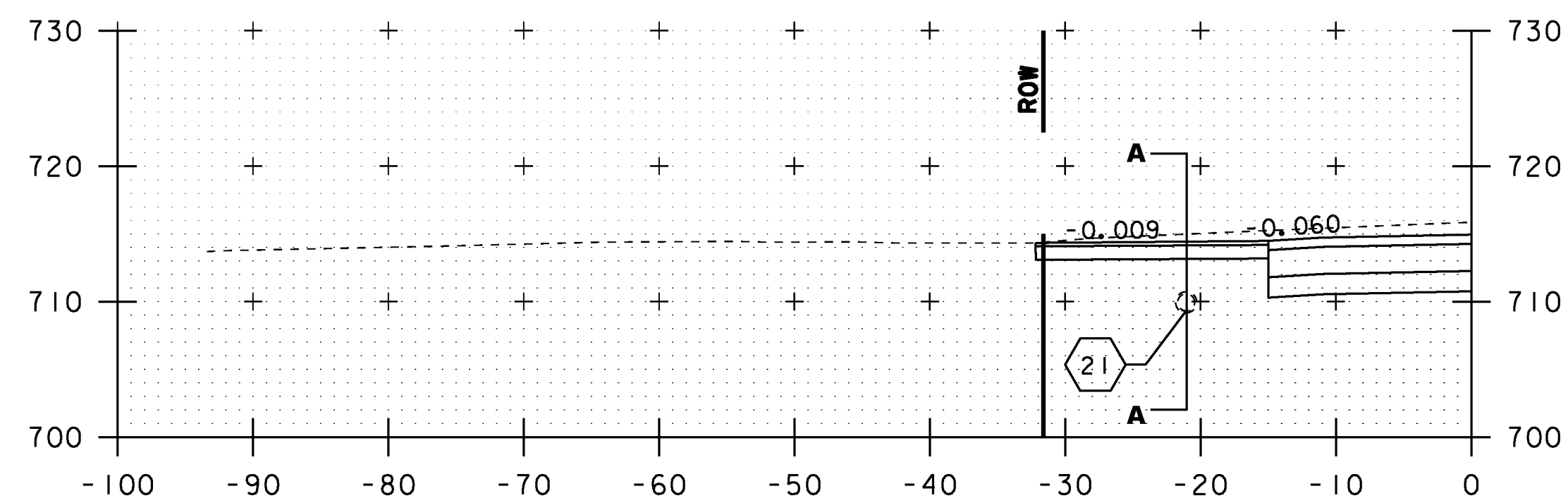
PROJECT NAME: HYDE PARK
PROJECT NUMBER: HES 030-2(23)

FILE NAME: +08b126xs.dgn
PROJECT LEADER: JLS
DESIGNED BY: MBL
CROSS SECTION SHEET 14

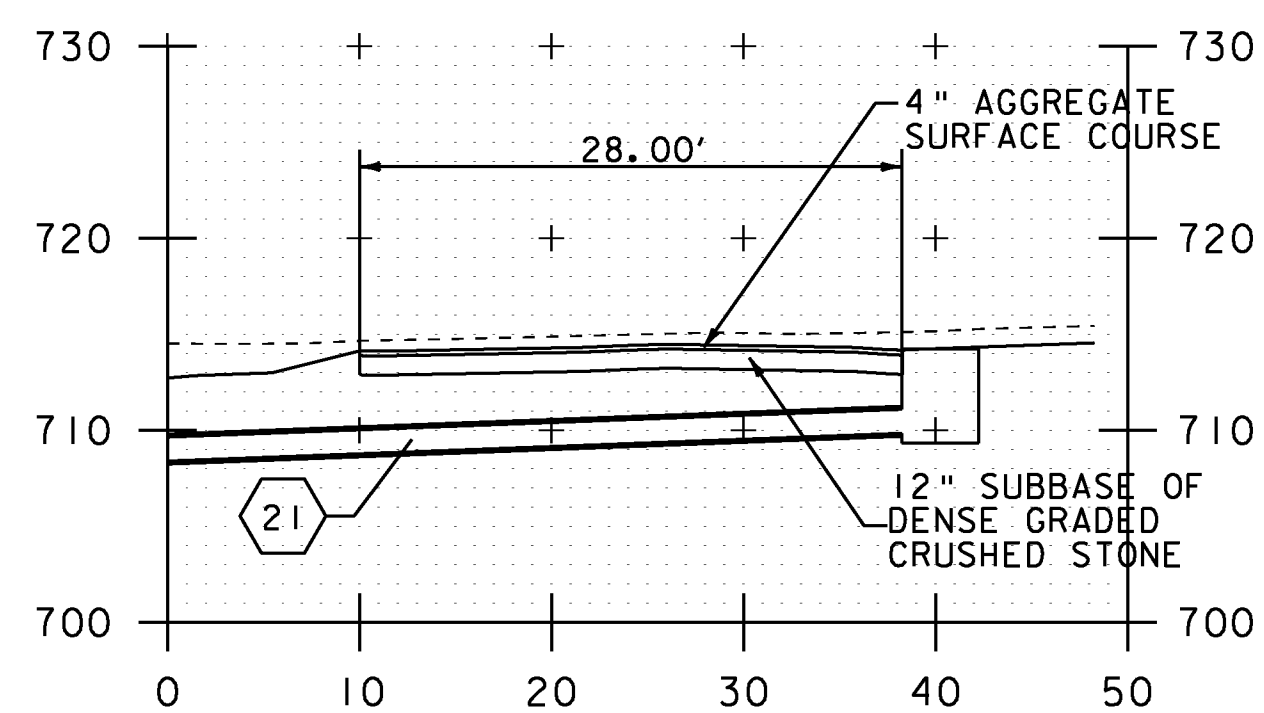
PLOT DATE: 08-DEC-2010
DRAWN BY: MBL
CHECKED BY: JAD
SHEET 91 OF 100



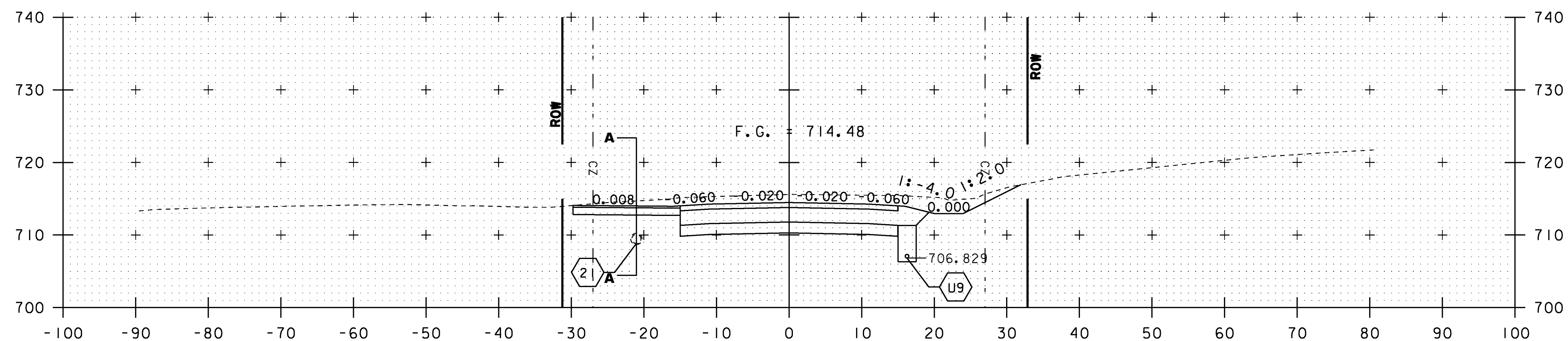
42+50



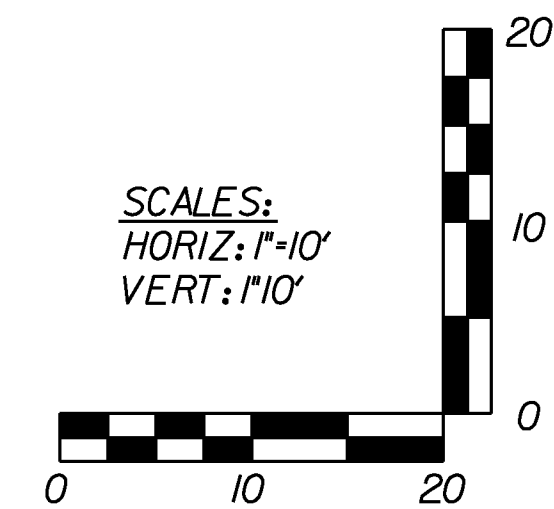
42+13



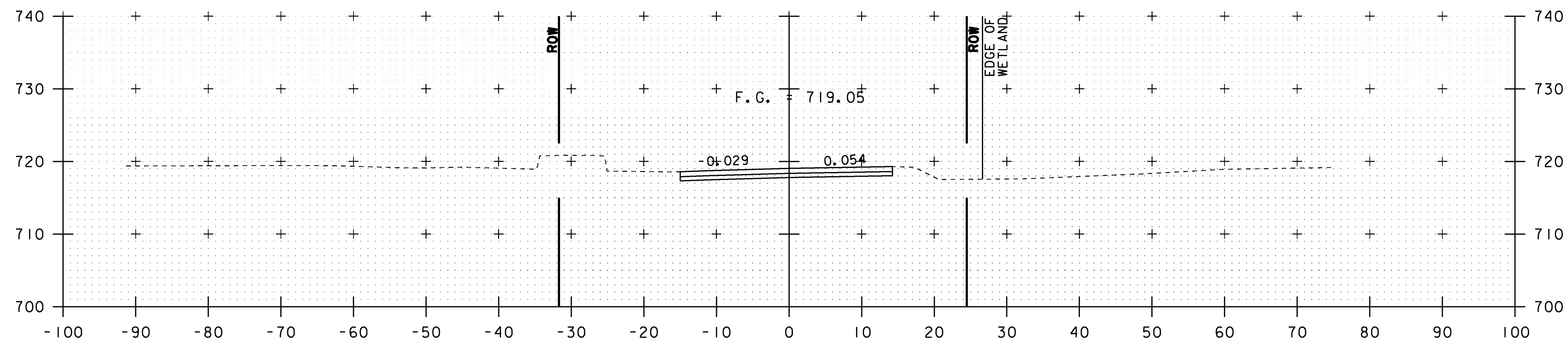
42+13 A-A



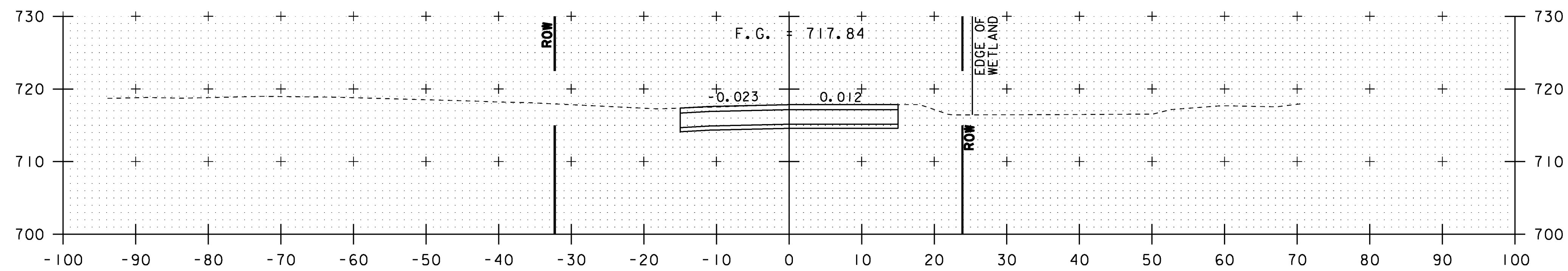
42+00



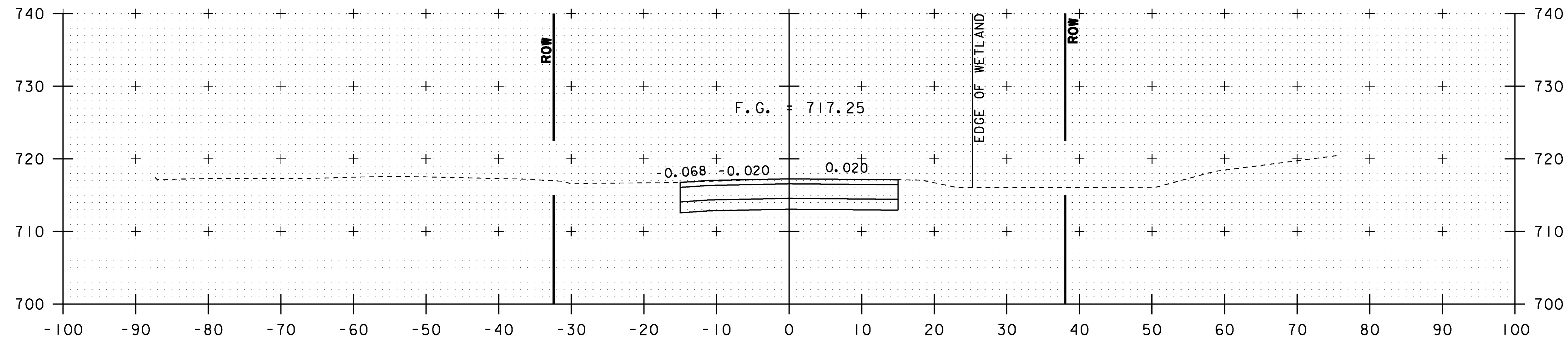
VT ROUTE 100	
STA. 42+00 TO STA. 42+50	
PROJECT NAME:	HYDE PARK
PROJECT NUMBER:	HES 030-2(23)
FILE NAME: +08bl26xs.dgn	PLOT DATE: 08-DEC-2010
PROJECT LEADER: JLS	DRAWN BY: MBL
DESIGNED BY: MBL	CHECKED BY: JAD
CROSS SECTION SHEET 17	SHEET 94 OF 100



43+50

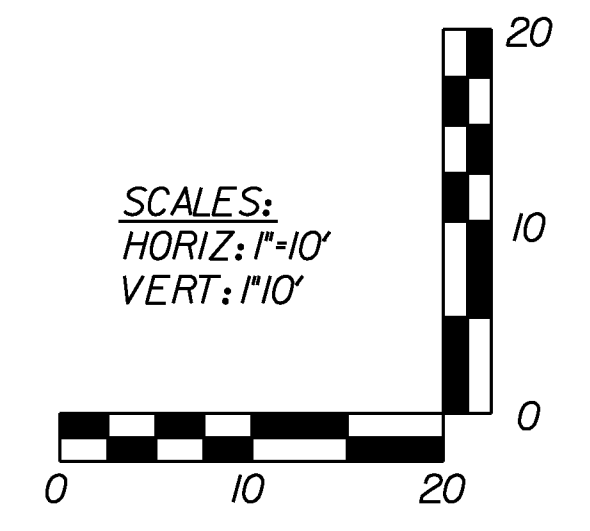


43+00



42+76.83

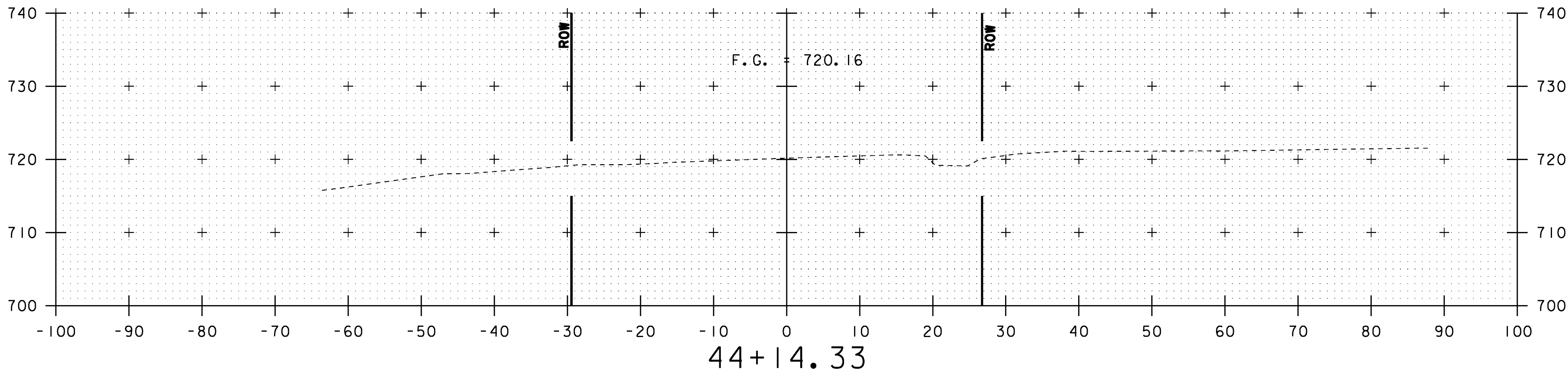
END PROJECT
HES 030-2(23)
BEGIN APPROACH



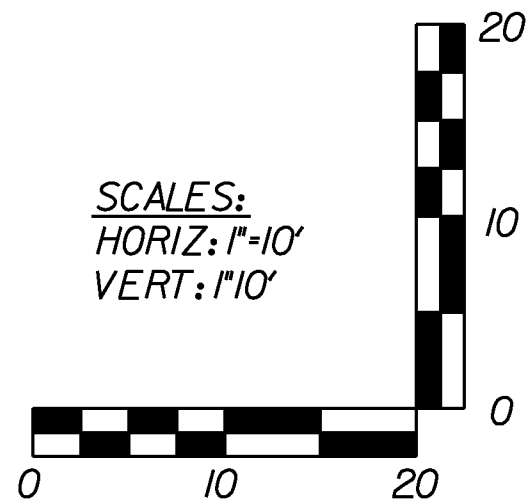
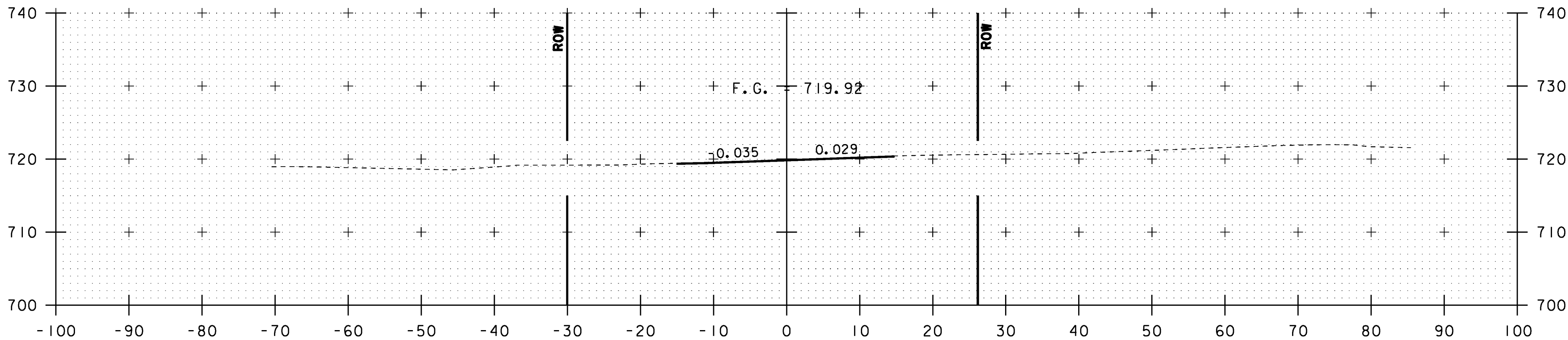
VT ROUTE 100	
STA. 42+76.83 TO STA. 43+50	
PROJECT NAME:	HYDE PARK
PROJECT NUMBER:	HES 030-2(23)
FILE NAME: +08b126xs.dgn	PLOT DATE: 08-DEC-2010
PROJECT LEADER: JLS	DRAWN BY: MBL
DESIGNED BY: MBL	CHECKED BY: JAD
CROSS SECTION SHEET 18	SHEET 95 OF 100

GS-3

APPROX. STA. 44+65.00, LT.
FINAL LOCATION OF GS-3 TO
BE DETERMINED BY RESIDENT
ENGINEER.



END APPROACH
MATCH EXISTING

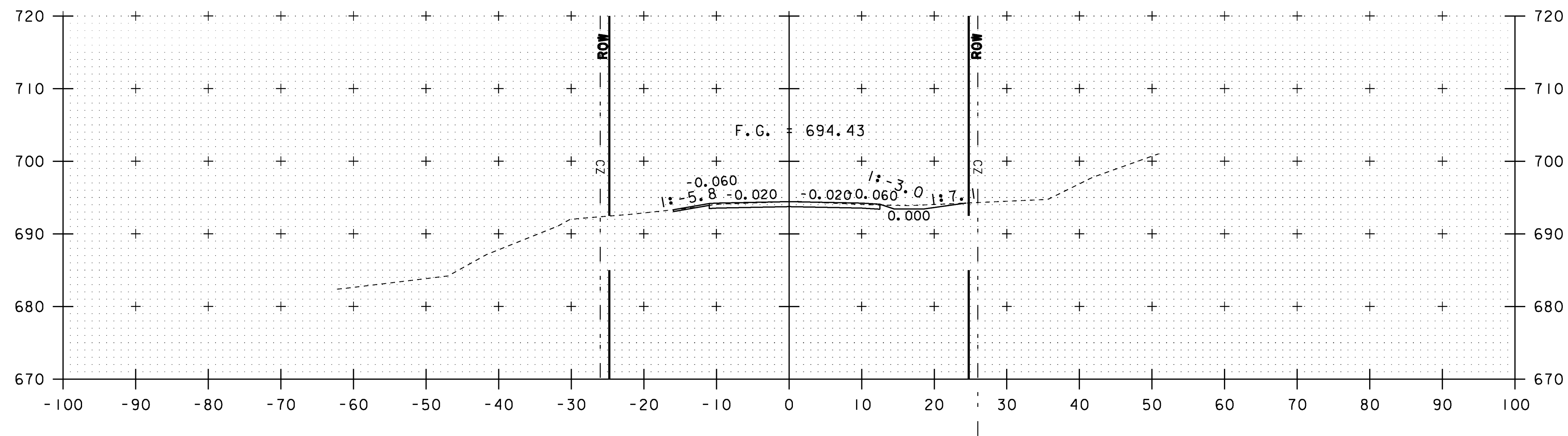


VT ROUTE 100
STA. 44+00 TO STA. 44+14.33

PROJECT NAME: HYDE PARK
PROJECT NUMBER: HES 030-2(23)

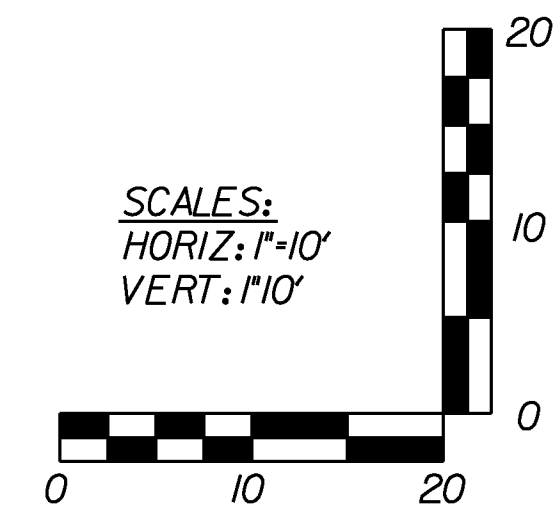
FILE NAME: +08bl26xs.dgn
PROJECT LEADER: JLS
DESIGNED BY: MBL
CROSS SECTION SHEET 19

PLOT DATE: 08-DEC-2010
DRAWN BY: MBL
CHECKED BY: JAD
SHEET 96 OF 100

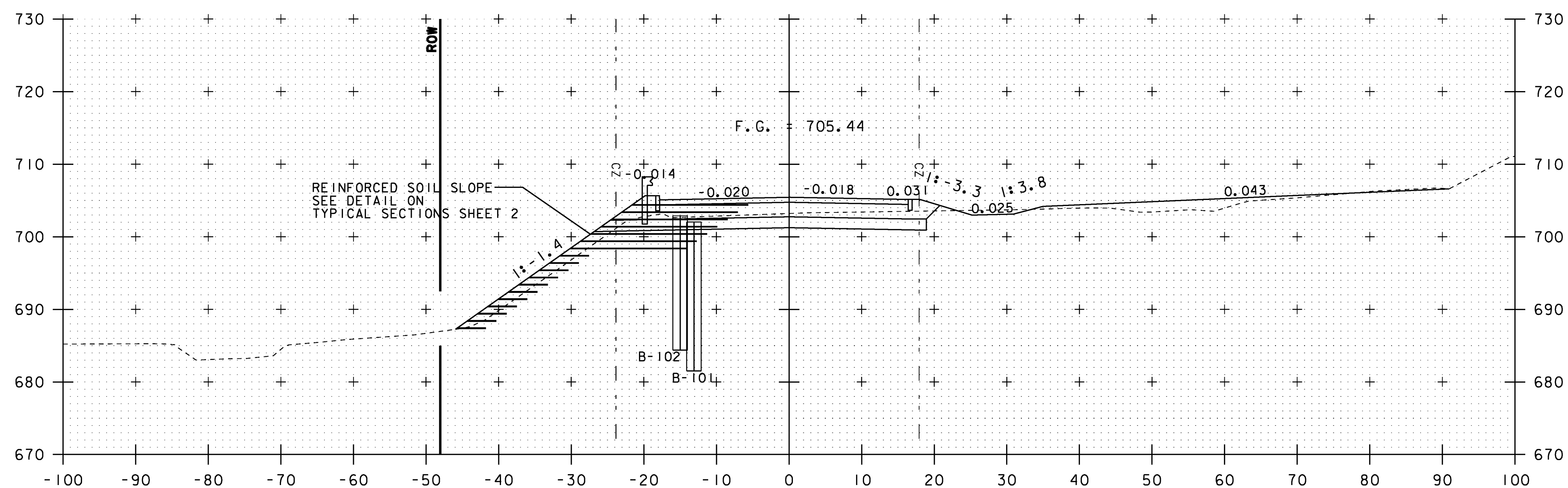


61+10

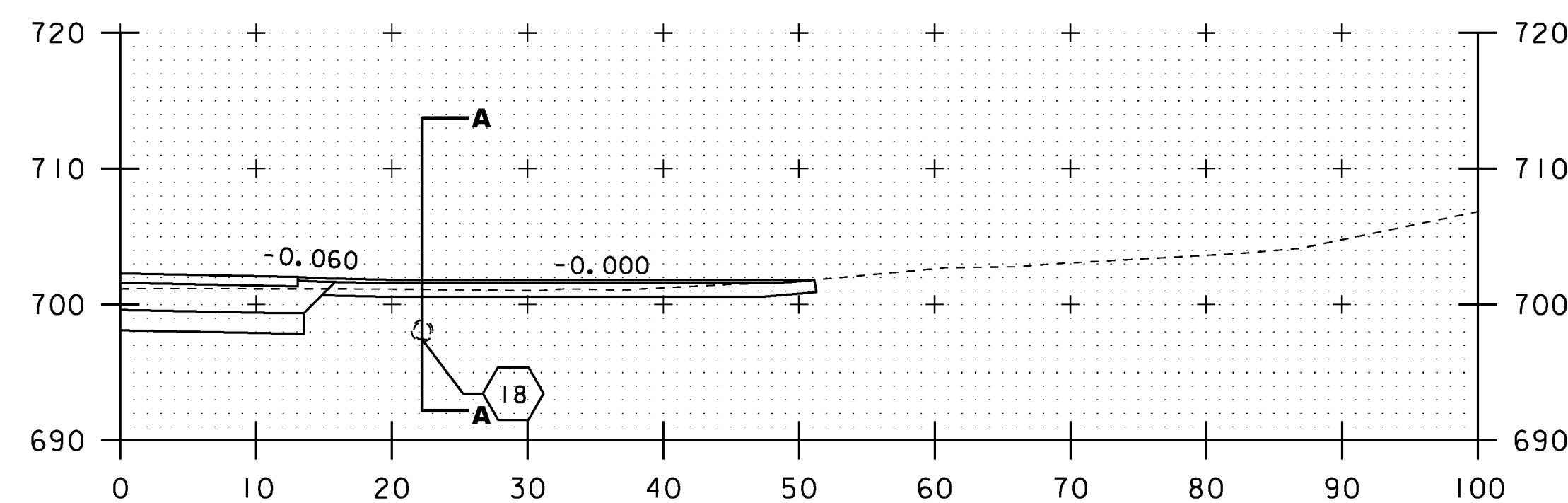
BEGIN APPROACH
MATCH EXISTING



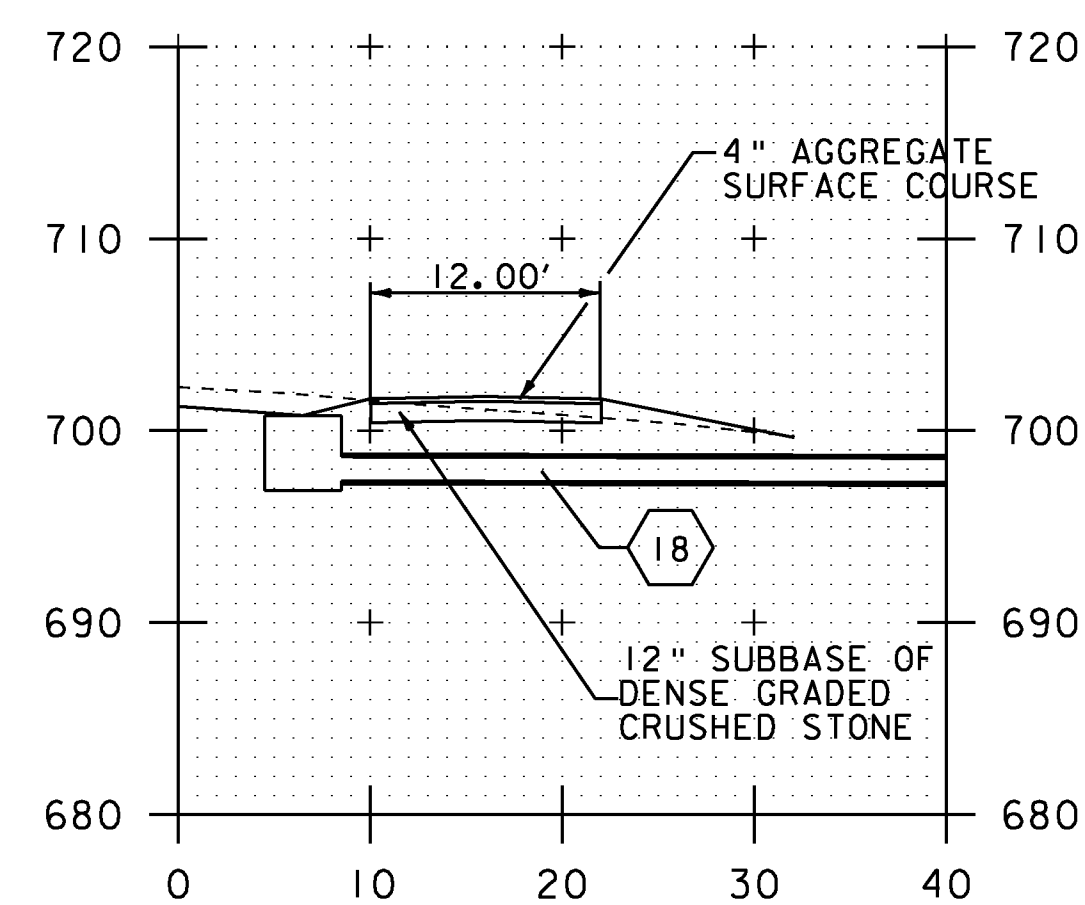
T.H. 5 CHURCH ST. STA. 61+10 TO STA. 61+10	
PROJECT NAME: HYDE PARK PROJECT NUMBER: HES 030-2(23)	
FILE NAME: t08b126xs.dgn PROJECT LEADER: JLS DESIGNED BY: MBL CROSS SECTION SHEET 20	PLOT DATE: 08-DEC-2010 DRAWN BY: MBL CHECKED BY: JAD SHEET 97 OF 100



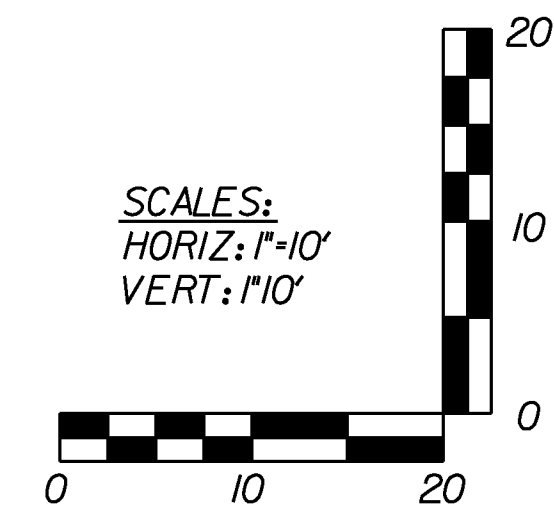
62+50



62+10



62+10 A-A



T.H. 5 CHURCH ST. STA. 62+10 TO STA. 62+50	
PROJECT NAME:	HYDE PARK
PROJECT NUMBER:	HES 030-2(23)
FILE NAME: +08b126xs.dgn	PLOT DATE: 08-DEC-2010
PROJECT LEADER: JLS	DRAWN BY: MBL
DESIGNED BY: MBL	CHECKED BY: JAD
CROSS SECTION SHEET 22	SHEET 99 OF 100

