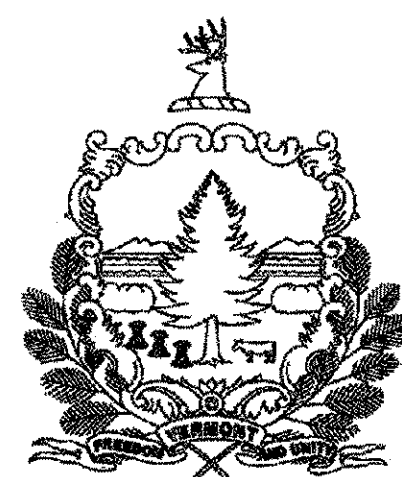


STATE OF VERMONT AGENCY OF TRANSPORTATION

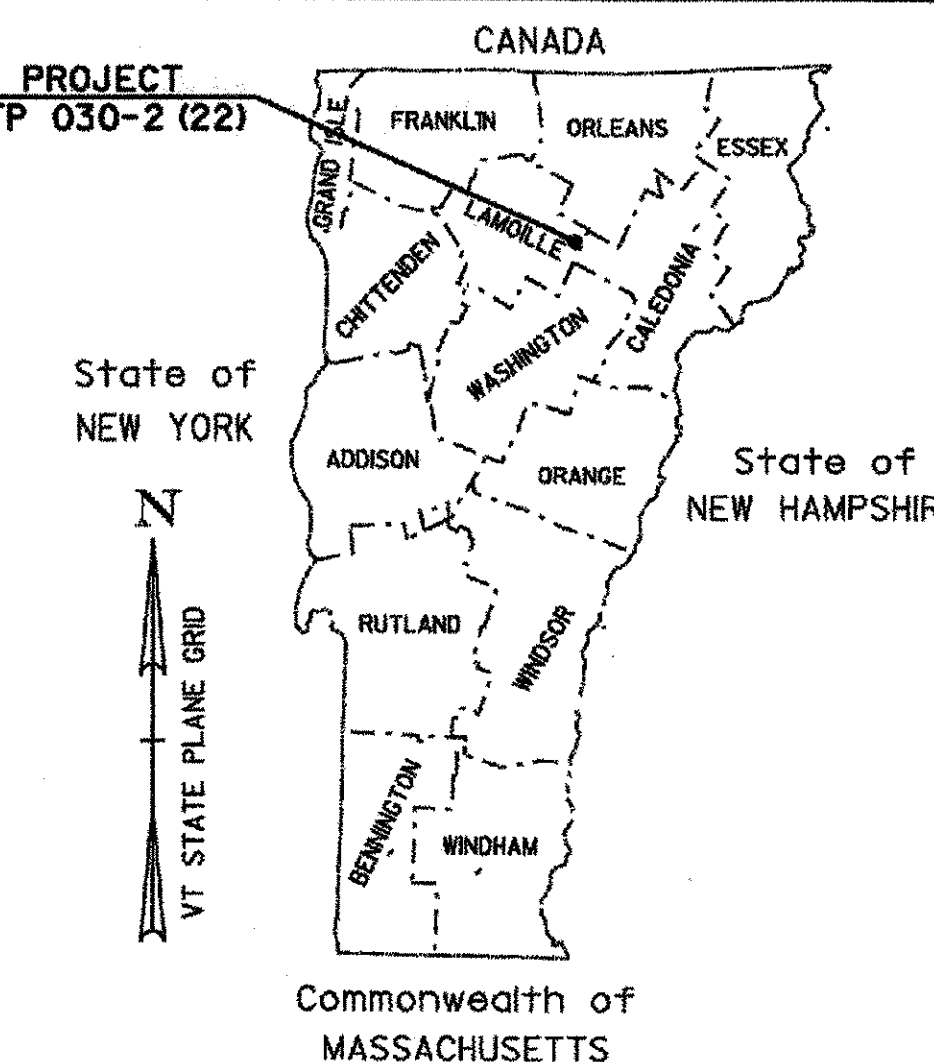
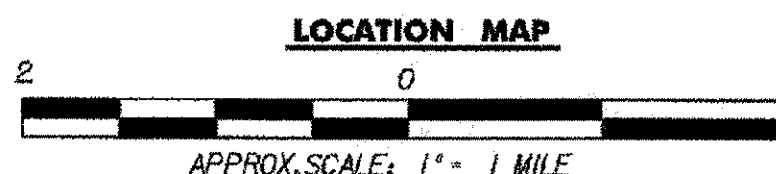
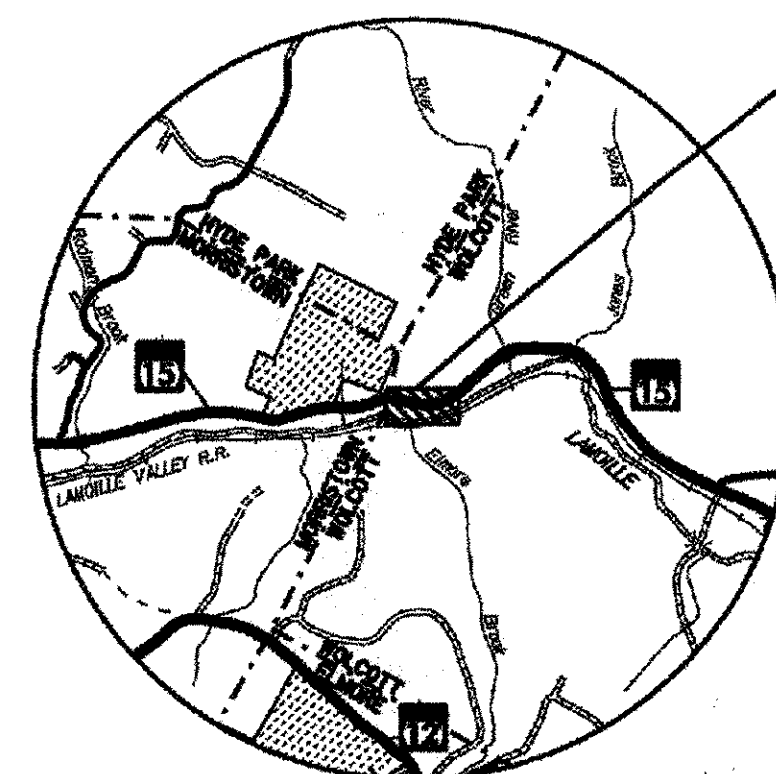


PROPOSED SAFETY IMPROVEMENT TOWN OF WOLCOTT COUNTY OF LAMOILLE VT ROUTE 15 (MINOR ARTERIAL)

BEGINNING AT A POINT ON VERMONT ROUTE 15 0.05 MILES (240 FEET) EAST OF THE MORRISTOWN - WOLCOTT TOWN LINE AND EXTENDING EASTERLY.

LENGTH OF PROJECT = 550 FEET = 0.10 MILES

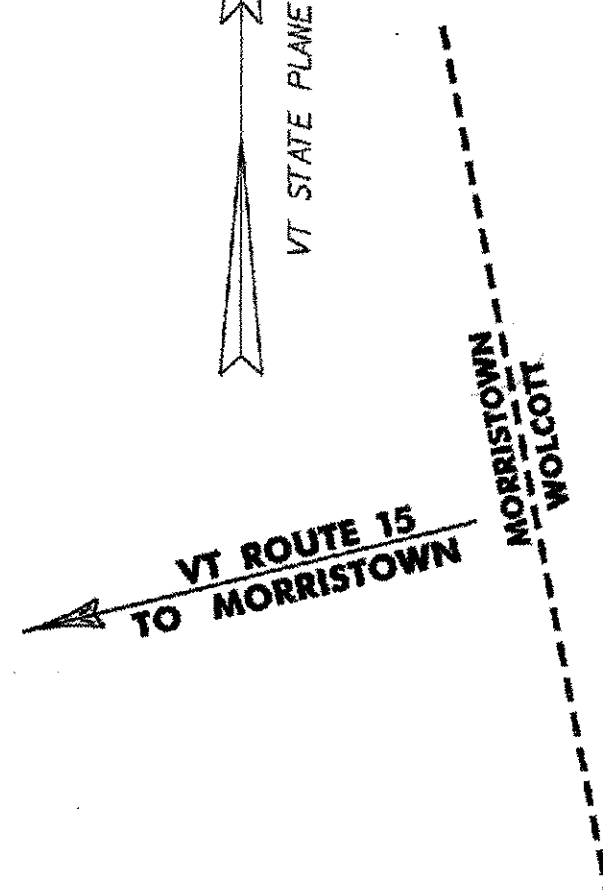
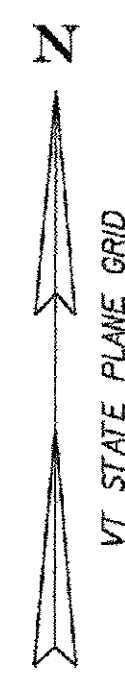
WORK TO BE PERFORMED UNDER THIS CONTRACT INCLUDES THE INSTALLATION OF PILES TO STABILIZE FAILING SLOPE, THE PARTIAL RECONSTRUCTION OF EASTBOUND LANE AND SHOULDER OF VT ROUTE 15, AND RELOCATION OF UTILITY POLES.



INDEX OF SHEETS	
1	TITLE SHEET
2	TYPICAL SECTIONS
3	TIE SHEET
4-6	BORING LOG SHEETS
7-8	QUANTITY SHEETS
9	EARTHWORKS SHEET
10	LAYOUT PLAN
11	EROSION CONTROL PLAN
12	EROSION CONTROL DETAILS
13	TRAFFIC CONTROL PLAN
14	TRAFFIC CONTROL DETAILS AND NOTES
15-22	CROSS SECTIONS

STANDARDS

E-100	CONSTRUCTION APPROACH SIGNS	01/02/04
E-101	CONSTRUCTION SIGN DETAILS	05/30/03
E-102	CONSTRUCTION SIGN DETAILS	06/30/03
E-102A	CONSTRUCTION SIGN DETAILS	05/01/04
E-106	TRAFFIC CONTROL - MISCELLANEOUS DETAILS	03/01/04
E-107	DELINEATION, BARRICADES AND DETOURS FOR U-TURNS ON DIVIDED HIGHWAY	06/30/03
E-107A	BREAKAWAY BARRICADE DETAILS	08/08/95
E-121	STANDARD SIGN PLACEMENT - CONVENTIONAL ROAD	08/08/95
E-140	REGULATORY SIGN DETAILS	08/30/96
E-142	REGULATORY SIGN DETAILS	09/20/95
E-170	TRAFFIC CONTROL SIGNALS PEDESTAL POST MOUNTED	11/04/99
E-171A	TRAFFIC CONTROL SIGNALS GENERAL NOTES & DETAILS	08/09/95
E-171B	TRAFFIC CONTROL SIGNALS MISC. DETAILS	08/09/95
E-171C	TRAFFIC CONTROL SIGNALS CANTILEVER MOUNTING DETAILS	08/09/95
E-172	VEHICLE DETECTOR LOOP DETAILS	08/09/95
E-175	POWER DROP STANCHIONS	11/17/93
E-193	PAVEMENT MARKING DETAILS	08/18/95
E-1	STEEL BEAM GUARDRAIL WITH STEEL POSTS	01/03/00
G-18	PRECAST CONCRETE TEMPORARY TRAFFIC BARRIER	06/01/04



**BEGIN PROJECT
STP 030-2(22)
STA. 10 + 47.23**

**END PROJECT
STP 030-2(22)
STA. 15 + 97.18**



CONVENTIONAL SYMBOLS

COUNTY LINE	———
TOWN LINE	———
LIMITS OF ACCESS	—○—○—○—
POINT OF ACCESS	X
FENCE LINE	X—X—X—X—
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	SR — SR — SR
SLOPE RIGHTS	—△—△—△—
TOP OF CUT	—△—△—△—
TOE OF SLOPE	—○—○—○—

SURVEYED BY : VTRANS
SURVEYED DATE : 04/06

DATUM
VERTICAL NAVD 88
HORIZONTAL NAD 83 (92)



RECORD PLANS

CONTRACTOR: J.P. SICARD, INC. - BARTON, VT
RESIDENT ENGINEER: CHRIS JOLLY
CONSTRUCTION BEGAN: OCTOBER 16, 2007
CONSTRUCTION COMPLETED: JUNE 27, 2008
RECORD PLANS BY:

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

BY: Christopher Jay, RESIDENT ENGINEER
DATE: May 6, 2009

NOTE: ANY FURTHER INFORMATION CONCERNING FINAL QUANTITIES, AMOUNTS OR OTHER DETAILS RELATIVE TO THIS PROJECT MAY BE FOUND ARCHIVED IN ONBASE VIA VTRANS CENTRAL FILES.

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: [Signature] DATE: 8-29-07

PROJECT MANAGER: JOSHUA L. SCHULTZ

PROJECT NAME: WOLCOTT
PROJECT NUMBER: STP 030-2 (22)

SHEET 1 OF 22 SHEETS

TYPICAL SECTIONS

MATERIAL TOLERANCES

MATERIAL ITEM	THICKNESS TOLERANCE
BITUMINOUS CONCRETE PAVEMENT	+/- 1/4"
SUBBASE	+/- 1/4"

SEEDING FORMULAS RURAL AREAS

% MASS	LBS/AC	NAME	PUR %	GERM %
37.5	22.5	CREeping RED FESCUE	98	85
37.5	22.5	TALL FESCUE	95	90
5.0	3.0	RED TOP	95	90
15.0	9.0	BIRDSFOOT TREFOIL	98	85
5.0	3.0	ANNUAL RYE GRASS	95	85
100.0	60.0			

GENERAL NOTES

SEED MIXTURE: SHALL NOT HAVE A WEED CONTENT EXCEEDING 0.10% BY MASS AND SHALL BE FREE OF ALL NOXIOUS SEED.

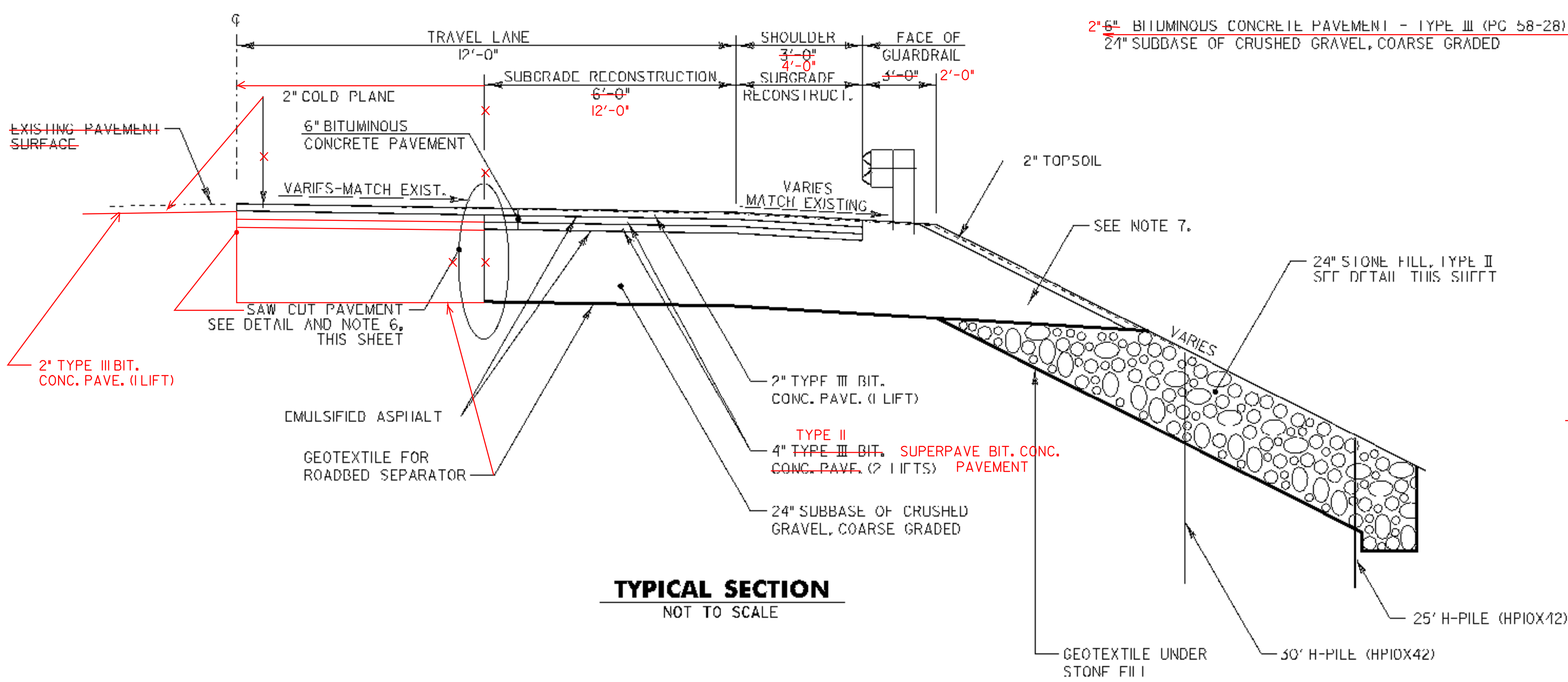
SEED: TO BE APPLIED PER SEEDING FORMULAS OR AS DIRECTED BY THE ENGINEER.

FERTILIZER: FORMULA 10-20-10, TO BE USED WITH SEED, APPLIED AT THE RATE OF 500 LBS/AC (HYDRO SEEDERS MAY USE 19-19-19 FORMULA).

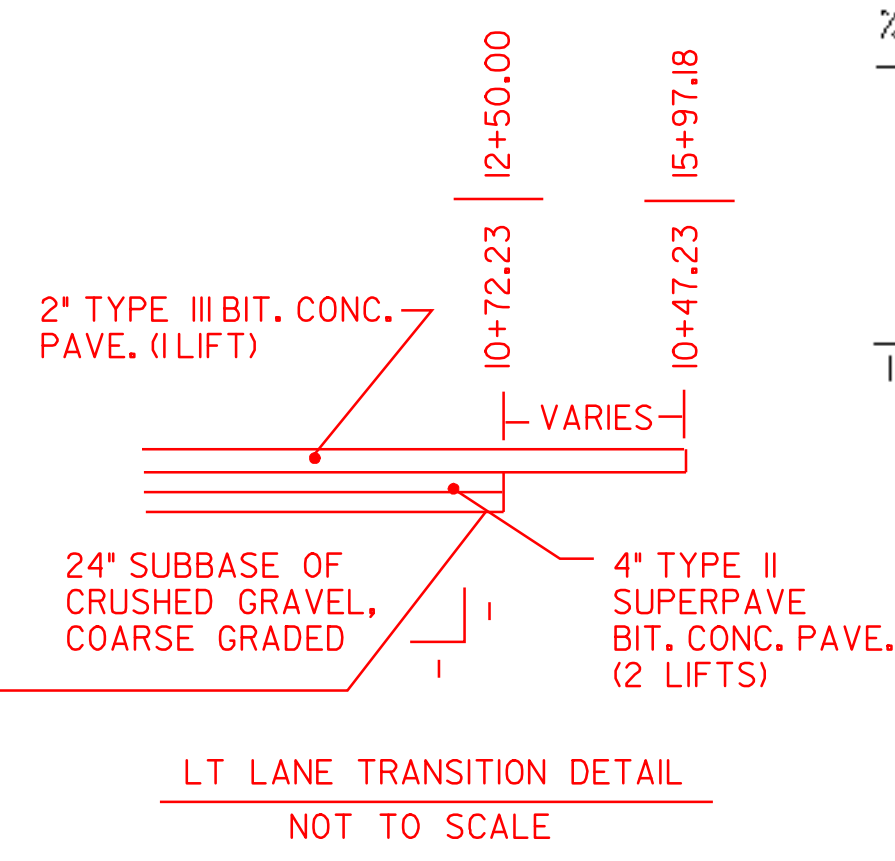
AGRICULTURAL LIMESTONE: TO BE APPLIED AT THE RATE OF 2 TONS/ACRE, OR AS DIRECTED BY THE ENGINEER.

HAY MULCH: TO BE PLACED ON EARTH SLOPES AT THE RATE OF 2 TONS/ACRE, OR AS DIRECTED BY THE ENGINEER.

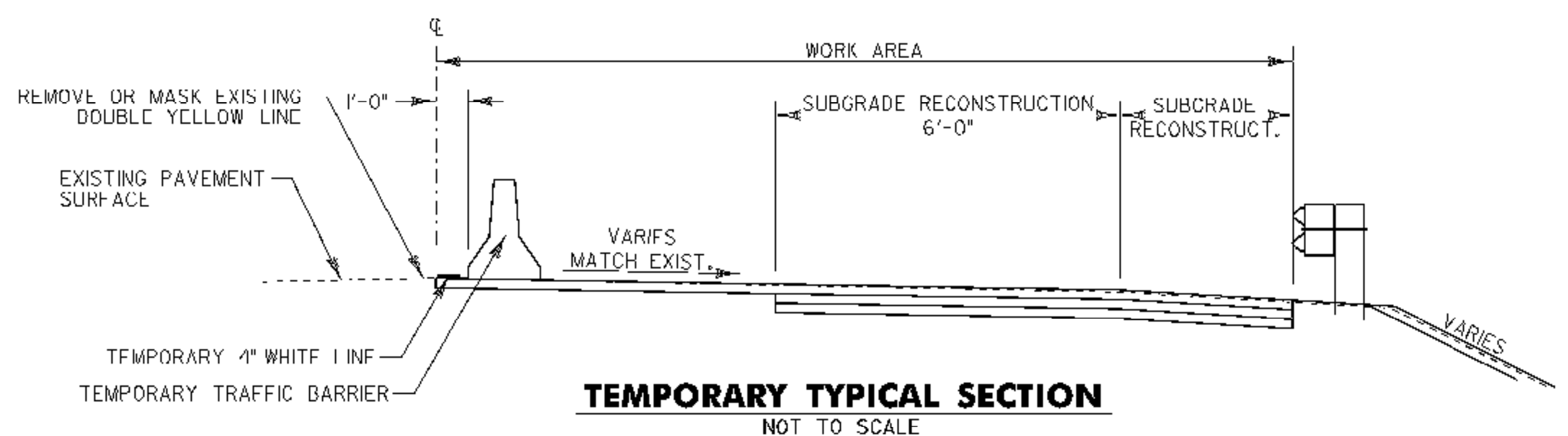
TOPSOIL: TO BE USED WITH SEED AS INDICATED ON THE PLANS, OR AS DIRECTED BY THE ENGINEER.



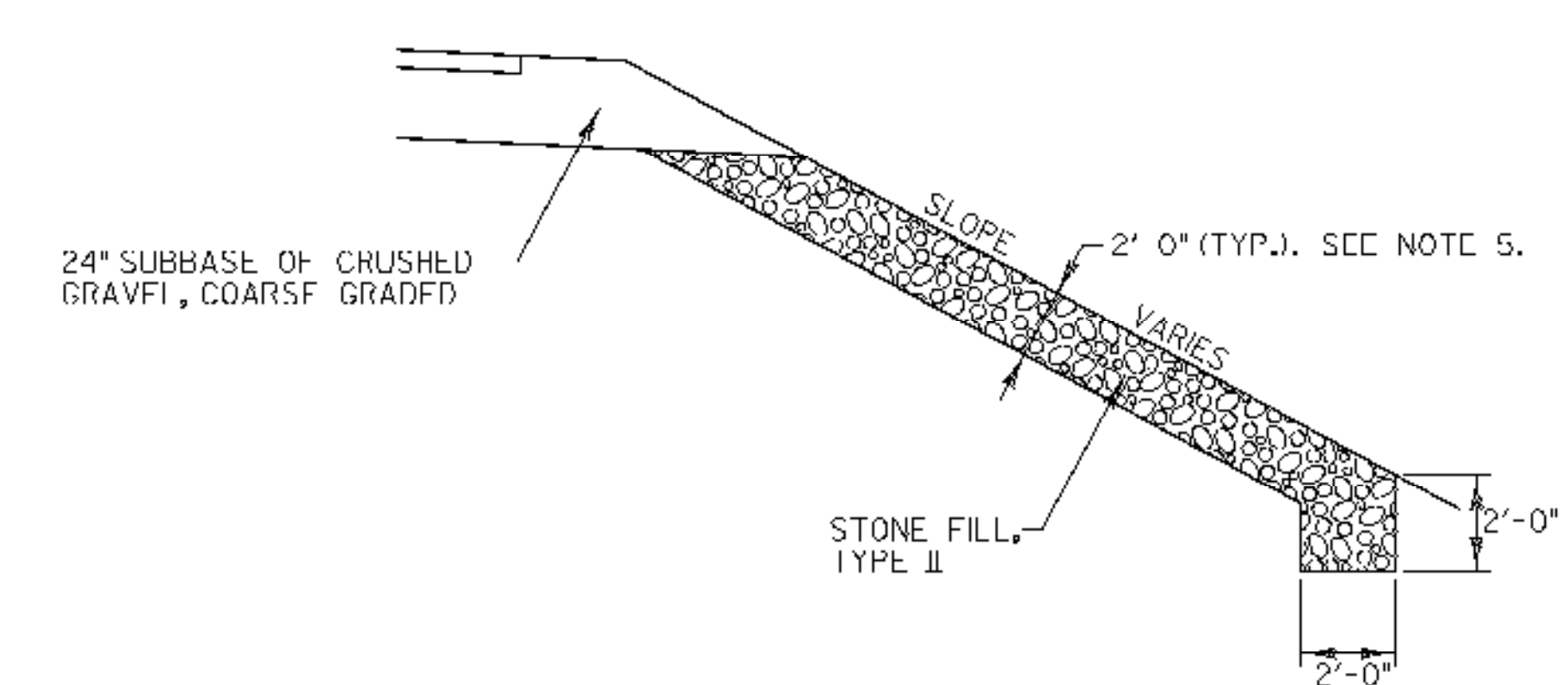
TYPICAL SECTION
NOT TO SCALE



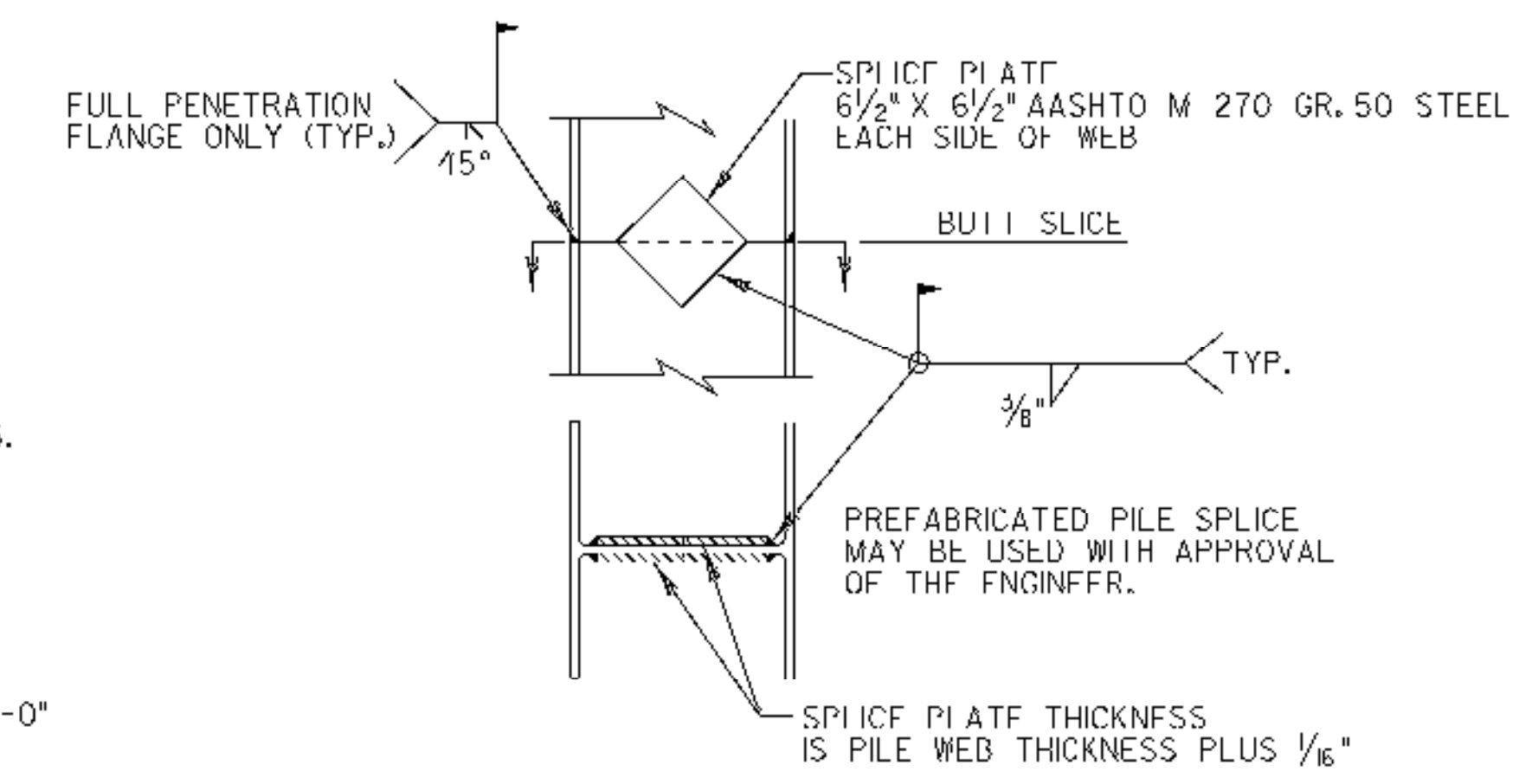
LT LANE TRANSITION DETAIL
NOT TO SCALE



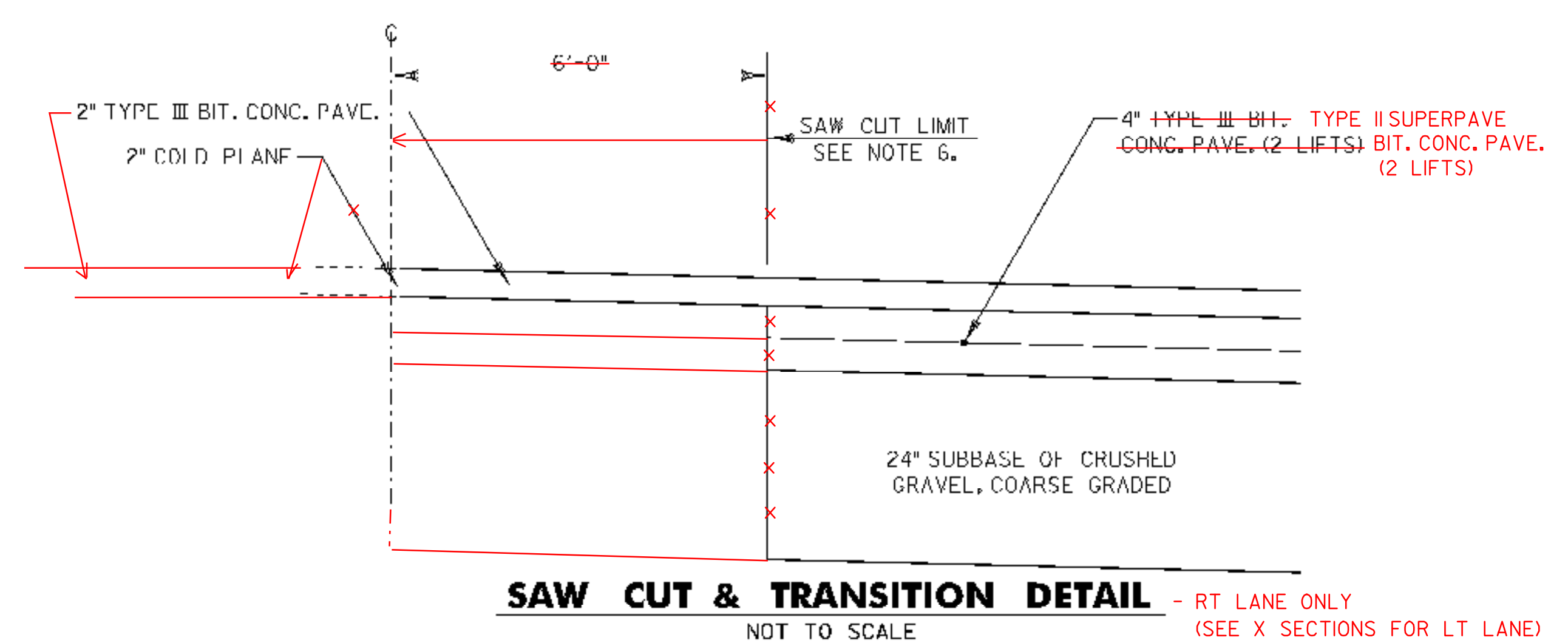
TEMPORARY TYPICAL SECTION
NOT TO SCALE



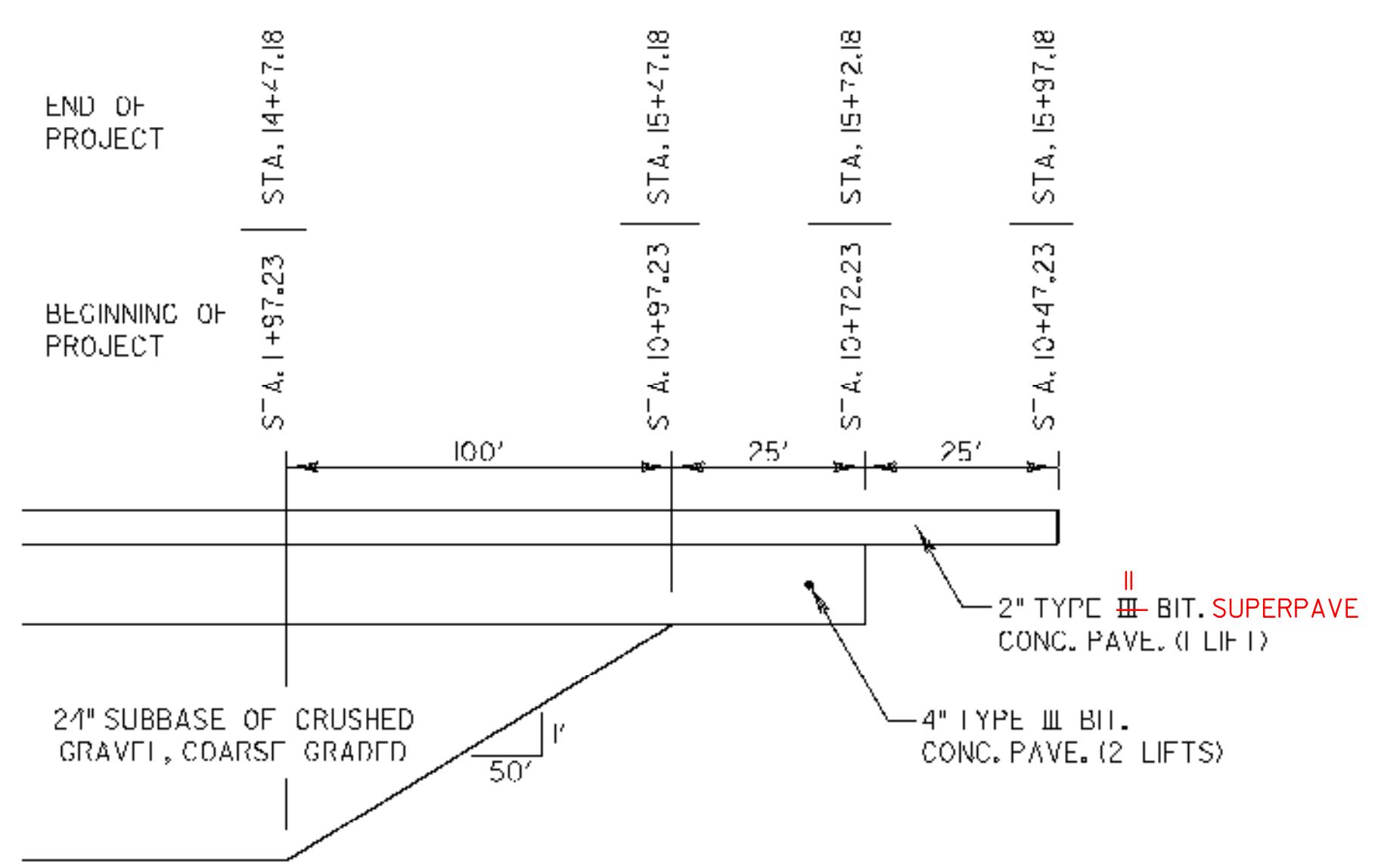
STONE FILL ON SLOPE DETAIL
NOT TO SCALE



PILE SPICE DETAIL
NOT TO SCALE



SAW CUT & TRANSITION DETAIL - RT LANE ONLY
(SEE X SECTIONS FOR LT LANE)
NOT TO SCALE



TRANSITION DETAIL - RT LANE ONLY
NOT TO SCALE

NOTES:

- ALL PERFORMANCE GRADED BINDER SHALL BE PG 58-28.
- EMULSIFIED ASPHALT IS TO BE APPLIED AT THE RATE OF 0.025 GAL/SY BETWEEN SUCCESSIVE COURSES OF PAVEMENT AND ON COLD PLANED SURFACES OR AS DIRECTED BY THE ENGINEER.
- ALL EXISTING SUBBASE MATERIAL DEEMED SUITABLE BY THE RESIDENT ENGINEER MAY BE USED IN PLACE OF CRUSHED GRAVEL, COARSE GRADED. THIS WILL BE PAID FOR UNDER ITEM 301.25.
- ALL EXCAVATION OF EXISTING STONE FILL ON SLOPE SHALL BE PAID FOR UNDER ITEM 203.17 - UNCLASSIFIED EXCAVATION. ESTIMATED QUANTITY ASSUMED A DEPTH OF 4' 0".
- ITEM 613.11 - STONE FILL, TYPE II SHALL BE INSTALLED AT A DEPTH OF 2' 0" EXCEPT IN AREAS WHERE 4' 0" OF EXISTING STONE FILL WAS EXCAVATED OR AS DIRECTED BY RESIDENT ENGINEER.
- SAW CUTTING OF PAVEMENT SHALL BE PAID FOR UNDER ITEM 203.15 - COMMON EXCAVATION.
- ANY EXCAVATION OF EXISTING ROADBED SHALL BE PAID FOR UNDER 203.15 - COMMON EXCAVATION.

PROJECT NAME:	WOLCOTT	PLOT DATE:	11-SEP-2007
PROJECT NUMBER:	STP 030-2(22)	DRAWN BY:	MBL
FILE NAME:	d07b096bdr.dgn	CHECKED BY:	SDM
PROJECT LEADER:	JLS	TYPICAL SECTIONS	SHEET 2 OF 22
DESIGNED BY:	DLG/MBL		

HVCTRL #1

DESIGNATION
 "RENAISSANCE"
 ** N = 755481.3600
 E = 1638535.3500
 ELEV. = 707.670

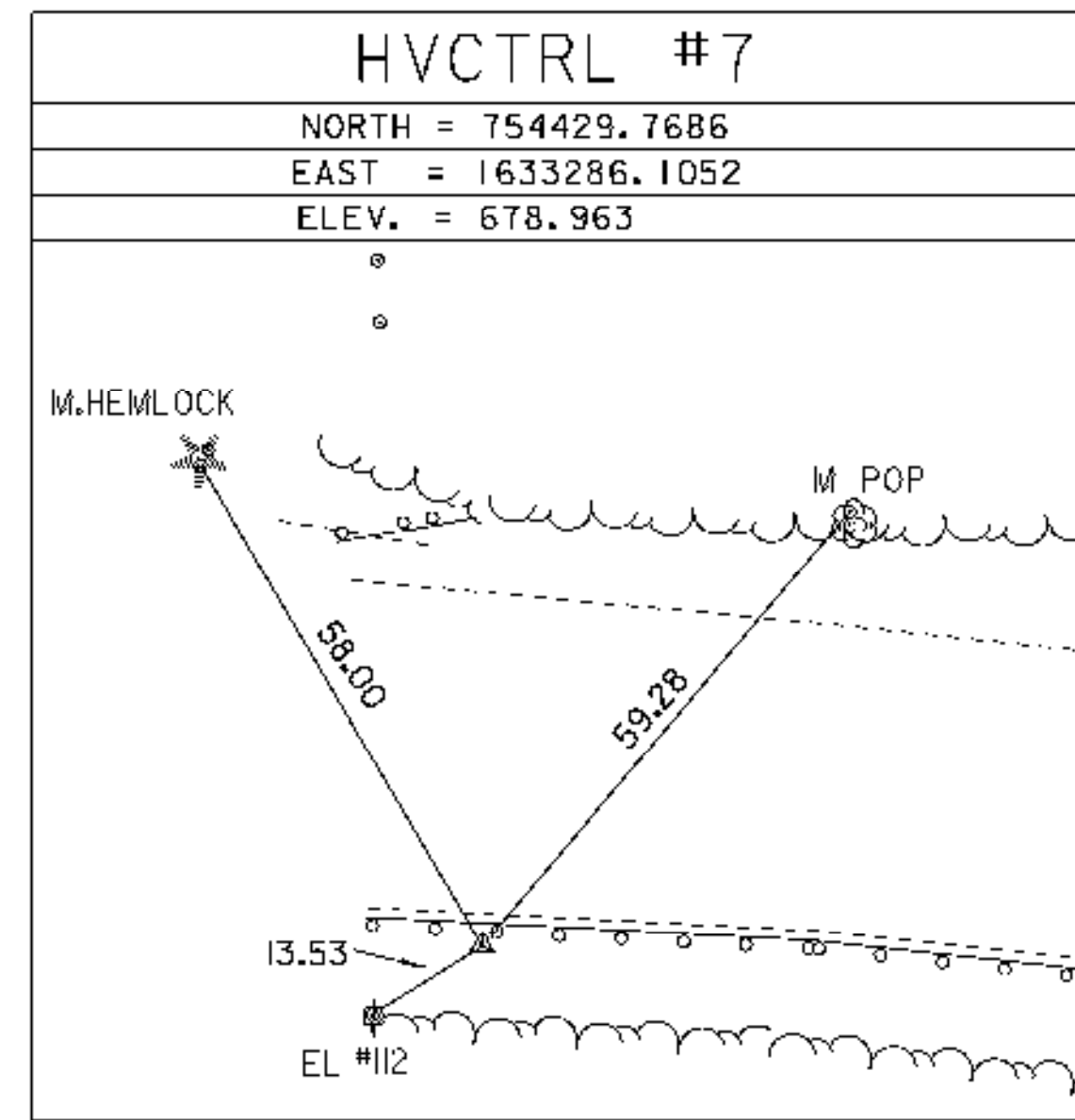
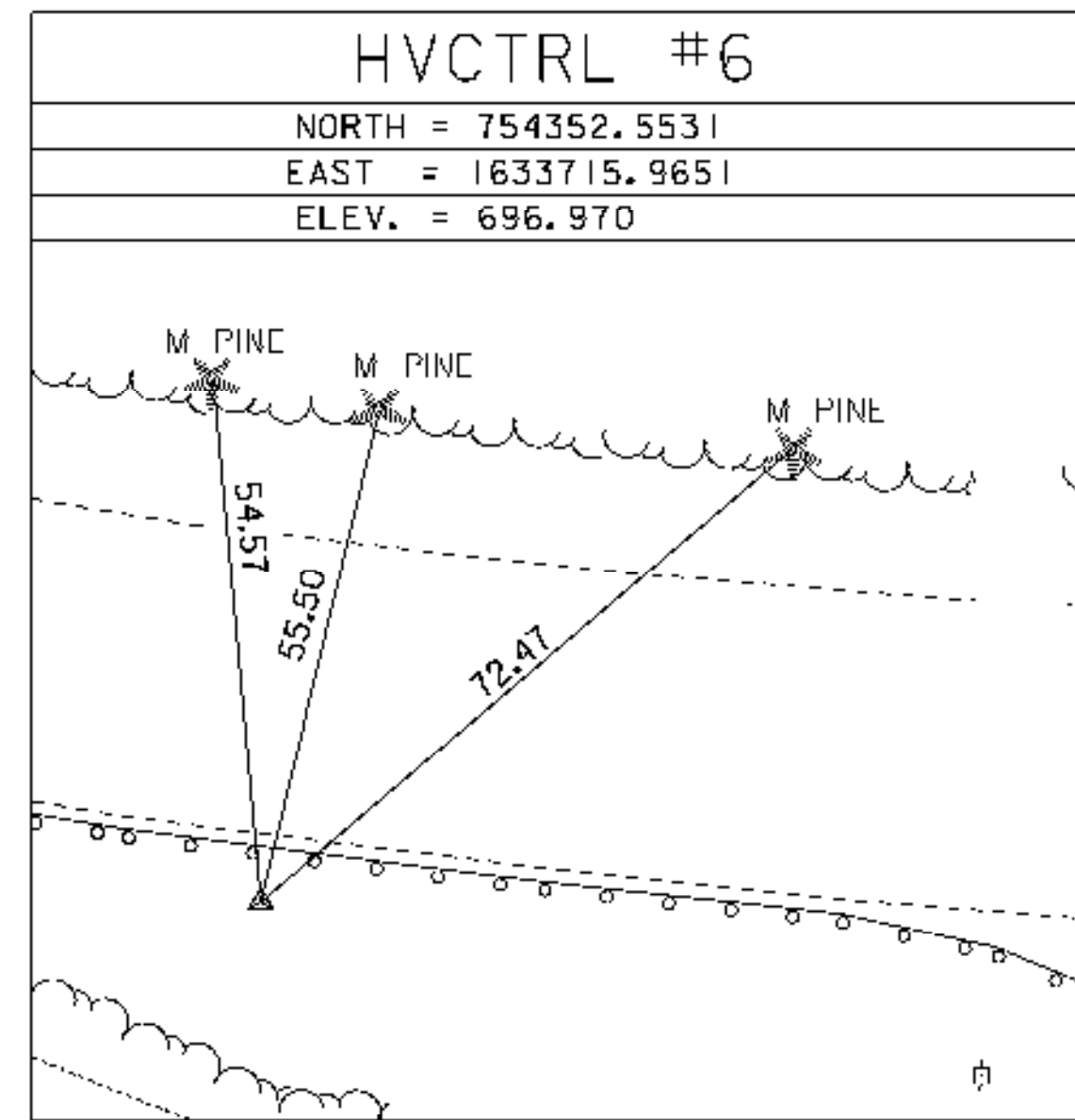
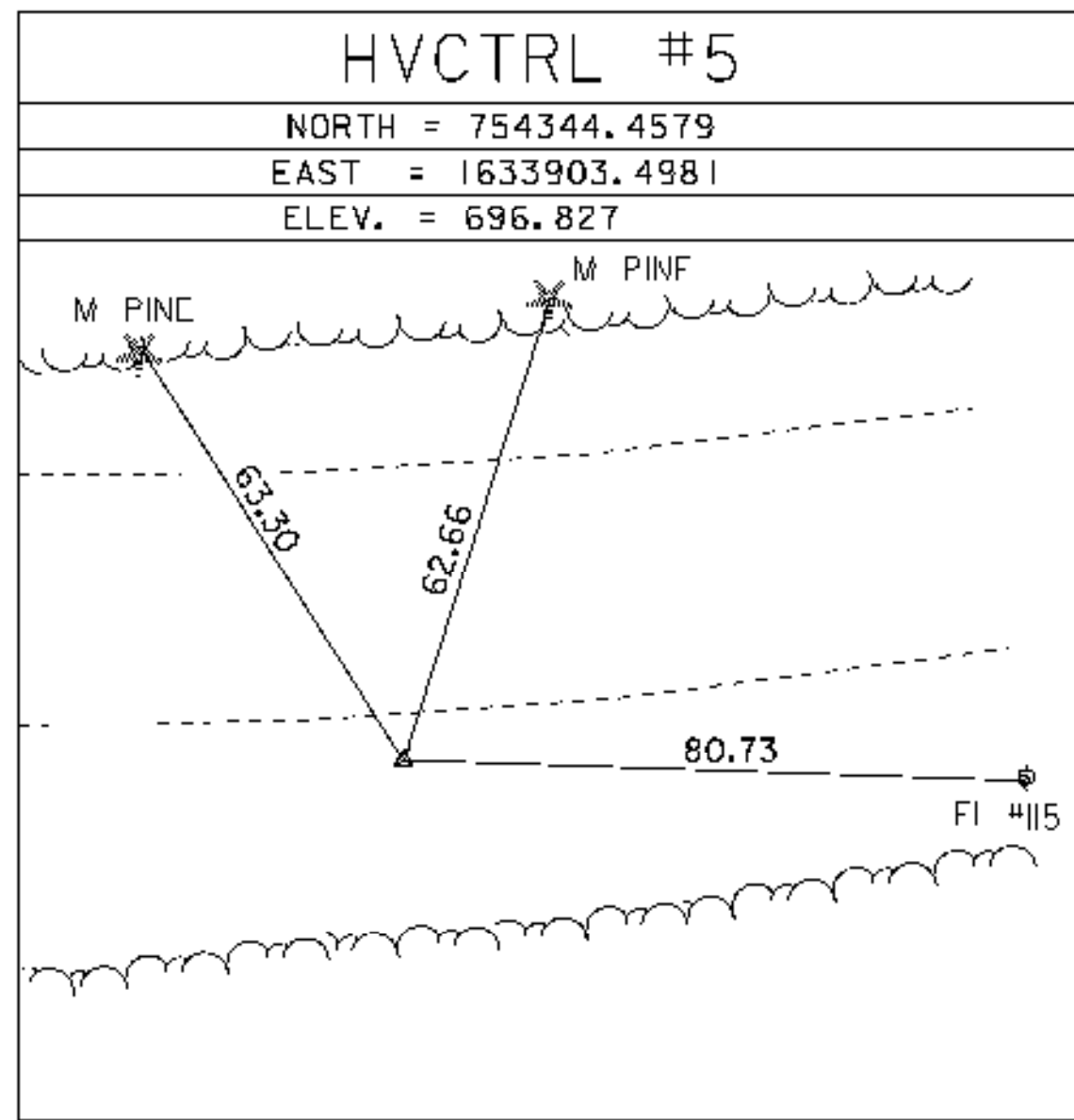
GENERAL LOCATION, WOLCOTT, VT. OWNERSHIP, THOMAS MARTIN, PO BOX 94, WOLCOTT, VT 05680. TO REACH FROM THE INTERSECTION OF VT ROUTE 15 AND VT ROUTE 100 IN MORRISTOWN, GO EAST ALONG VT ROUTE 15 FOR 4.6 MI TO THE INTERSECTION OF A DRIVE LEFT LEADING TO DEMARS MINI STORAGE AND THE SITE OF THE MARK IN THE GRASSY STRIP BETWEEN THE MAIN GRAVEL DRIVE AND THE DRIVE LEADING TO THE STORAGE UNITS. THE MARK IS SET FLUSH WITH THE GROUND SURFACE IN THE TOP OF A 30 CM DIAMETER CONCRETE MONUMENT Poured 1.3 M DEEP. IT IS 7.7 M NORTHEAST OF AND ABOUT 2.0 M HIGHER THAN THE NORTHEAST EDGE OF PAVEMENT OF VT ROUTE 15, 3.0 M SOUTHWEST OF THE SOUTHWEST EDGE OF THE GRAVEL DRIVE LEADING TO THE STORAGE UNITS, 6.4 M SOUTHEAST OF THE MOST SOUTHWESTERLY OF TWO POLES SUPPORTING A SIGN, 25.5 M NORTHWEST OF POLE #1083/6T, AND 3.0 M NORTHEAST OF A FIBERGLASS WITNESS POST.

HVCTRL #2

DESIGNATION
 "RENAISSANCE AZ MK"
 ** N = 755783.9100
 E = 1636697.8300
 ELEV. = 672.650

GENERAL LOCATION, WOLCOTT, VT. TO REACH FROM THE INTERSECTION OF VT ROUTE 15 AND VT ROUTE 15A IN MORRISTOWN GO EAST ALONG VT ROUTE 15 FOR 2.5 MI TO THE SITE OF THE MARK ON THE RIGHT. IT IS ABOUT 84M EAST OF THE EAST SIDE OF HOUSE #710. THE MARK IS SET 5CM BELOW GROUND SURFACE IN THE TOP OF A FENO STYLE MONUMENT. IT IS 5.4M SOUTH OF AND ABOUT 0.2M LOWER THAN THE CENTERLINE OF VT ROUTE 15, 16.4M SOUTHEAST OF POLE #13+, 15.1M EAST NORTHEAST OF THE CENTER OF THE SOUTH (OUTLET) END OF A 45CM DIAMETER METAL CULVERT, 60.4M EAST OF POLE #127/S, AND 0.3M NORTH OF A FIBERGLASS WITNESS POST.

* DESCRIPTION PROVIDED BY VERMONT AGENCY OF TRANSPORTATION GEODETIC SURVEY UNIT



NORTH =
 EAST =
 ELEV. =

BM #1- RR SPIKE IN STUMP +/- 9+45 LT ELEV = 683.198
 BM #2 - TOP MW#5 CASING ELEV = 694.570
 BM #3 - RR SPIKE IN MAPLE +/- 15+25 RT ELEV = 681.023
 BM #4 - RR SPIKE IN ASH +/- 12+35 RT ELEV = 664.633

NORTH =
 EAST =
 ELEV. =

* MAIN TRAVERSE COMPLETED: JAN. 4, 2005 BY R.GILMAN PC, P.WINTERS

HVCTRL #200
 NORTH = 754466.654
 EAST = 1633210.145
 ELEV. = 681.020

HVCTRL #201
 NORTH = 754418.467
 EAST = 1633584.358
 ELEV. = 690.356

HVCTRL #202 SETH
 NORTH = 754308.275
 EAST = 1633785.892

NORTH =
 EAST =

NORTH =
 EAST =

SURVEYED BY : VTRANS	PROJECT NAME: WOLCOTT
SURVEYED DATE : 04/06	PROJECT NUMBER: STP 030-2(22)
DATUM	FILE NAME: d07b096bdr.dgn
VERTICAL NAVD 88	PLOT DATE: 11-SEP-2007
HORIZONTAL NAD 83 (92)	PROJECT LEADER: JLS
	DESIGNED BY: DLG/MBL
	TIE SHEET
	CHECKED BY: SDM
	SHEET 3 OF 22

SOIL CLASSIFICATION

AASHTO

A1	GRAVEL AND SAND
A2	SILTY OR CLAYEY GRAVEL AND SAND
A3	FINE SAND
A4	SILTY SOIL - LOW COMPRESSIBILITY
A5	SILTY SOIL - HIGHLY COMPRESSIBLE
A6	CLAYEY SOIL - LOW COMPRESSIBILITY
A7	CLAYEY SOIL - HIGHLY COMPRESSIBLE

ROCK QUALITY DESIGNATION

R.Q.D. (%)	ROCK DESCRIPTION
<25	VERY POOR
25 to 50	POOR
51 to 75	FAIR
76 to 90	GOOD
>90	EXCELLENT

SHEAR STRENGTH

UNDRAINED SHEAR STRENGTH IN P.S.F.	CONSISTENCY
<250	VERY SOFT
250-500	SOFT
500-1000	MED. STIFF
1000-2000	STIFF
2000-4000	VERY STIFF
>4000	HARD

CORRELATION GUIDE OF "N" TO DENSITY /CONSISTENCY

DENSITY (GRANULAR SOILS)		CONSISTENCY (COHESIVE SOILS)	
N	DESCRIPTIVE TERM	N	DESCRIPTIVE TERM
<5	VERY LOOSE	<2	VERY SOFT
5-10	LOOSE	2-4	SOFT
11-24	MED. DENSE	5-8	MED. STIFF
25-50	DENSE	9-15	STIFF
>50	VERY DENSE	16-30	VERY STIFF
		31-60	HARD
		>60	VERY HARD

COMMONLY USED SYMBOLS

▼	WATER ELEVATION
⊕	STANDARD PENETRATION BORING
⊗	AUGER BORING
⊙	ROD SOUNDING
S	SAMPLE
N	STANDARD PENETRATION TEST
	BLOW COUNT PER FOOT FOR:
	2" O.D. SAMPLER
	1 1/2" I.D. SAMPLER
	HAMMER WEIGHT OF 140 LBS.
	HAMMER FALL OF 30"
VS	FIELD VANE SHEAR TEST
US	UNDISTURBED SOIL SAMPLE
B	BLAST
DC	DIAMOND CORE
MD	MUD DRILL
WA	WASH AHEAD
HSA	HOLLOW STEM AUGER
AX	CORE SIZE 1 1/8"
BX	CORE SIZE 1 5/8"
NX	CORE SIZE 2 1/8"
M	DOUBLE TUBE CORE BARREL USED
LL	LIQUID LIMIT
PL	PLASTIC LIMIT
PI	PLASTICITY INDEX
NP	NON PLASTIC
W	MOISTURE CONTENT (DRY WGT. BASIS)
D	DRY
M	MOIST
MTW	MOIST TO WET
W	WET
SAT	SATURATED
BO	BOULDER
GR	GRAVEL
SA	SAND
SI	SILT
CL	CLAY
HP	HARDPAN
LE	LEDGE
NLTD	NO LEDGE TO DEPTH
CNPF	CAN NOT PENETRATE FURTHER
TLOB	TO LEDGE OR BOULDER
NR	NO RECOVERY
REC.	RECOVERY
%REC.	PERCENT RECOVERY
RQD	ROCK QUALITY DESIGNATION
CBR	CALIFORNIA BEARING RATIO
<	LESS THAN
>	GREATER THAN
R	REFUSAL (N>100)

COLOR

blk	BLACK	pnk	PINK
bl	BLUE	pu	PURPLE
brn	BROWN	rd	RED
dk	DARK	tn	TAN
gr	GRAY	wh	WHITE
gn	GREEN	ybl	YELLOW
lt	LIGHT	mlto	MULTICOLORED
or	ORANGE		



STATE OF VERMONT
AGENCY OF TRANSPORTATION
MATERIALS & RESEARCH SECTION
SUBSURFACE INFORMATION

BORING NUMBER: B-1 INC#1
SHEET 1 of 2
DATE STARTED: 8/18/05
DATE COMPLETED: 8/29/05

PROJECT NAME: WOLCOTT
SITE NAME: RT. 15
STATION: 3+94.45
OFFSET: 74.72
VTSPG: N 754308.63 ft E 1633651.52 ft

PROJECT NUMBER: RT. 15 SLIDE
SITE NUMBER: SLIDE AREA
GROUND ELEVATION: 668.03 ft
GROUNDWATER DEPTH: 5.0 ft 8/24/05
PROJECT PIN NUMBER: 04X507

BORING CREW
CREW CHIEF: TALLMAN
DRILLER: TALLMAN
LOGGER: PORTER

BORING RIG: LAG TRACK RIG
BORING TYPE: WASH BORE
SAMPLE TYPE: SPLIT BARREL
CHECKED BY: DLG

DEPTH (ft)	SYMBOL	CLASSIFICATION OF MATERIALS (Description)	WELL DIAGRAM	BLOWS PER FOOT	M.C. (%)	GRAVEL (%)	SAND (%)	FINES (%)
		Top of Well Elevation: 670.79 ft						
		A-2-4, SiGrSa, brn, Dry, Rec. = 0.75 ft, inclinometer casing is 2.5 ft. above ground level.		14	4.2	29.0	44.8	26.2
		Visual Class: A-2-4, Gr Sa, brn, Dry, Rec. = 0.1 ft, 2.0 ft - 4.0 ft, insufficient sample for testing.		5				
5		No Sample, 4.0 ft - 6.0 ft, Stone in sampler.		13				
		A-4, SaSi, gry, Moist, Rec. = 0.5 ft		4	24.9	6.9	39.5	53.6
		A-4, SaSi, gry, Moist, Rec. = 1.0 ft		35	25.8	9.8	33.7	56.5
10		Visual Class: Weathered Rock, gry, Moist, 9.0 ft - 10.0 ft		41				
		Visual Class: Broken Rock material, gry, MTW, Rec. = 0.5 ft, 10.0 ft - 12.0 ft		4				
		No Sample, 12.0 ft - 14.0 ft, Stone in sampler.		4				
15		A-4, SiSa, brn, Moist, Rec. = 1.0 ft		3	19.5	2.0	60.8	37.2
		A-2-4, GrSiSa, gry, Moist, Rec. = 0.8 ft		5	14.2	21.1	47.0	31.9
		A-2-4, GrSiSa, gry, Moist, Rec. = 1.5 ft		35	9.5	28.2	36.8	35.0
20		A-2-4, SiSaGr HP, gry, Moist, Rec. = 0.7 ft		R	8.8	34.6	32.7	32.7
		A-4, SaSi HP, gry, Moist, Rec. = 0.9 ft		R	9.1	16.9	40.4	42.7
		A-4, SaSi HP, gry, Moist, Rec. = 0.5 ft		R	7.7	12.8	38.6	48.6
25		A-4, GrSaSi HP, gry, Moist, Rec. = 1.8 ft		51	9.4	21.1	39.1	39.8
		A-4, SaSi HP, gry, Moist, Rec. = 1.5 ft		R	8.6	14.5	38.5	47.0
30		A-4, GrSaSi HP, gry, Moist, Rec. = 1.5 ft		R	7.8	26.4	29.8	43.8
35		A-4, SaSi HP, gry, Moist, Rec. = 2.0 ft		R	9.4	13.8	36.8	49.4

LOG OF BORING WOLCOTT RT.15 SLIDE (P.1) VT DOT/05 12/14/06

DEFINITIONS (AASHTO)

BEDROCK (LEDGE) - ROCK IN ITS NATIVE LOCATION OF INDEFINITE THICKNESS.
BOULDER - A ROCK FRAGMENT WITH AN AVERAGE DIMENSION >12 INCHES.
COBBLE - ROCK FRAGMENTS WITH AN AVERAGE DIMENSION BETWEEN 3 AND 12 INCHES.
GRAVEL - ROUNDED PARTICLES OF ROCK <3" AND > 0.075" (#10 SIEVE).
SAND - PARTICLES OF ROCK < 0.075" (#10 SIEVE) AND > 0.0029" (#200 SIEVE).
SILT - SOIL < 0.0029" (#200 SIEVE), NON OR SLIGHTLY PLASTIC AND EXHIBITS NO STRENGTH WHEN AIR-DRIED.
CLAY - FINE GRAINED SOIL, EXHIBITS PLASTICITY WHEN MOIST AND CONSIDERABLE STRENGTH WHEN AIR-DRIED.
VARVED - ALTERNATE LAYERS OF SILT AND CLAY.
HARDPAN - EXTREMELY DENSE SOIL, CEMENTED LAYER, NOT SOFTENED WHEN WET.
MUCK - SOFT ORGANIC SOIL (CONTAINING > 10% ORGANIC MATERIAL).
MOISTURE CONTENT - WEIGHT OF WATER DIVIDED BY DRY WEIGHT OF SOIL.
FLOWING SAND - GRANULAR SOIL SO SATURATED (LOOSE) THAT IT FLOWS INTO DRILL CASING DURING EXTRACTION OF WASH ROD.
STRIKE - ANGLE FROM MAGNETIC NORTH TO LINE OF INTERSECTION OF BED WITH A HORIZONTAL PLANE.
DIP - INCLINATION OF BED WITH A HORIZONTAL PLANE.



STATE OF VERMONT
AGENCY OF TRANSPORTATION
MATERIALS & RESEARCH SECTION
SUBSURFACE INFORMATION

BORING NUMBER: B-1 INC#1
SHEET 2 of 2
DATE STARTED: 8/18/05
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STATION: 3+94.45
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VTSPG: N 754308.63 ft E 1633651.52 ft

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BORING CREW
CREW CHIEF: TALLMAN
DRILLER: TALLMAN
LOGGER: PORTER

BORING RIG: LAG TRACK RIG
BORING TYPE: WASH BORE
SAMPLE TYPE: SPLIT BARREL
CHECKED BY: DLG

DEPTH (ft)	SYMBOL	CLASSIFICATION OF MATERIALS (Description)	WELL DIAGRAM	BLOWS PER FOOT	M.C. (%)	GRAVEL (%)	SAND (%)	FINES (%)
		A-4, GrSaSi HP, gry, Moist, Rec. = 1.8 ft		R	9.1	22.0	35.2	42.8
45		A-4, SaSi, gry, Moist, Rec. = 2.0 ft		R	11.5	16.9	38.9	44.2
50		A-4, SaSi, gry, Moist, Rec. = 2.0 ft		71	16.6	8.8	23.0	68.2
55		A-4, SaGrSi, gry, Moist, Rec. = 1.0 ft		R	14.5	27.2	22.2	50.6
60		A-4, SiSa, gry, Moist, Rec. = 1.3 ft		98	13.3	15.7	44.7	39.6
65		A-2-4, SiGrSa, gry, Moist, Rec. = 0.6 ft, Broken Rock was within sample		R	10.6	26.5	47.4	26.1
		Hole stopped @ 66.0 ft						
		DRILLER'S NOTES: 1. Inclinometer #1 was installed. 2. There is 50.0 ft. of inclinometer casing in ground. 3. There is 2.5 ft. of inclinometer casing above ground.						
70								
75								

LOG OF BORING WOLCOTT RT.15 SLIDE (P.2) VT DOT/05 12/14/06

GENERAL NOTES

- THE SUBSURFACE EXPLORATIONS SHOWN HEREIN WERE MADE BETWEEN AND BY THE AGENCY.
- SOIL AND ROCK CLASSIFICATIONS, PROPERTIES AND DESCRIPTIONS ARE BASED ON ENGINEERING INTERPRETATION FROM AVAILABLE SUBSURFACE INFORMATION BY THE AGENCY AND MAY NOT NECESSARILY REFLECT ACTUAL VARIATIONS IN SUBSURFACE CONDITIONS THAT MAY BE ENCOUNTERED BETWEEN INDIVIDUAL BORING OR SAMPLE LOCATIONS.
- OBSERVED WATER LEVELS AND/OR CONDITIONS INDICATED ARE AS RECORDED AT THE TIME OF EXPLORATION AND MAY VARY ACCORDING TO THE PREVAILING RAINFALL, METHODS OF EXPLORATION AND OTHER FACTORS.
- ENGINEERING JUDGEMENT WAS EXERCISED IN PREPARING THE SUBSURFACE INFORMATION PRESENTED HEREIN. ANALYSIS AND INTERPRETATION OF SUBSURFACE DATA WAS PERFORMED AND INTERPRETED FOR AGENCY DESIGN AND ESTIMATING PURPOSES. PRESENTATION OF THE INFORMATION IN THE CONTRACT IS INTENDED TO PROVIDE THE CONTRACTOR ACCESS TO THE SAME DATA AVAILABLE TO THE AGENCY. THE SUBSURFACE INFORMATION IS PRESENTED IN GOOD FAITH AND IS NOT INTENDED AS A SUBSTITUTE FOR PERSONAL INVESTIGATION, INDEPENDENT INTERPRETATION, INDEPENDENT ANALYSIS OR JUDGEMENT BY THE CONTRACTOR.

PROJECT NAME: WOLCOTT
PROJECT NUMBER: STP 030-2(22)

FILE NAME: d07b096bdr.dgn
PROJECT LEADER: JLS
DESIGNED BY: DLG/MBL
BORING LOG SHEET 1

PLOT DATE: 11-SEP-2007
DRAWN BY: MBL
CHECKED BY: SDM
SHEET 4 OF 22

SOIL CLASSIFICATION

AASHTO

A1	GRAVEL AND SAND
A2	SILTY OR CLAYEY GRAVEL AND SAND
A3	FINE SAND
A4	SILTY SOIL - LOW COMPRESSIBILITY
A5	SILTY SOIL - HIGHLY COMPRESSIBLE
A6	CLAYEY SOIL - LOW COMPRESSIBILITY
A7	CLAYEY SOIL - HIGHLY COMPRESSIBLE

ROCK QUALITY DESIGNATION

R.Q.D. (%)	ROCK DESCRIPTION
<25	VERY POOR
25 to 50	POOR
51 to 75	FAIR
76 to 90	GOOD
>90	EXCELLENT

SHEAR STRENGTH

UNDRAINED SHEAR STRENGTH IN P.S.F.	CONSISTENCY
<250	VERY SOFT
250-500	SOFT
500-1000	MED. STIFF
1000-2000	STIFF
2000-4000	VERY STIFF
>4000	HARD

CORRELATION GUIDE OF "N" TO DENSITY /CONSISTENCY

DENSITY (GRANULAR SOILS)		CONSISTENCY (COHESIVE SOILS)	
N	DESCRIPTIVE TERM	N	DESCRIPTIVE TERM
<5	VERY LOOSE	<2	VERY SOFT
5-10	LOOSE	2-4	SOFT
11-24	MED. DENSE	5-8	MED. STIFF
25-50	DENSE	9-15	STIFF
>50	VERY DENSE	16-30	VERY STIFF
		31-60	HARD
		>60	VERY HARD

COMMONLY USED SYMBOLS

▼	WATER ELEVATION
⊕	STANDARD PENETRATION BORING
⊗	AUGER BORING
⊙	ROD SOUNDING
S	SAMPLE
N	STANDARD PENETRATION TEST
	BLOW COUNT PER FOOT FOR: 2" O.D. SAMPLER 1 1/2" I.D. SAMPLER
	HAMMER WEIGHT OF 140 LBS. HAMMER FALL OF 30"
VS	FIELD VANE SHEAR TEST
US	UNDISTURBED SOIL SAMPLE
B	BLAST
DC	DIAMOND CORE
MD	MUD DRILL
WA	WASH AHEAD
HSA	HOLLOW STEM AUGER
AX	CORE SIZE 1 1/8"
BX	CORE SIZE 1 1/2"
NX	CORE SIZE 2 1/8"
M	DOUBLE TUBE CORE BARREL USED
LL	LIQUID LIMIT
PL	PLASTIC LIMIT
PI	PLASTICITY INDEX
NP	NON PLASTIC
W	MOISTURE CONTENT (DRY WGT. BASIS)
D	DRY
M	MOIST
MTW	MOIST TO WET
W	WET
SAT	SATURATED
BO	BOULDER
GR	GRAVEL
SA	SAND
SI	SILT
CL	CLAY
HP	HARDPAN
LE	LEDGE
NLTD	NO LEDGE TO DEPTH
CNPF	CAN NOT PENETRATE FURTHER
TLOB	TO LEDGE OR BOULDER
NR	NO RECOVERY
REC.	RECOVERY
%REC.	PERCENT RECOVERY
RQD	ROCK QUALITY DESIGNATION
CBR	CALIFORNIA BEARING RATIO
<	LESS THAN
>	GREATER THAN
R	REFUSAL (N>100)

COLOR

blk	BLACK	pnk	PINK
bl	BLUE	pu	PURPLE
brn	BROWN	rd	RED
dk	DARK	tn	TAN
gry	GRAY	wh	WHITE
gn	GREEN	yel	YELLOW
lt	LIGHT	mlt	MULTICOLORED
or	ORANGE		



STATE OF VERMONT
AGENCY OF TRANSPORTATION
MATERIALS & RESEARCH SECTION
SUBSURFACE INFORMATION

BORING NUMBER: B-2 INC#2
SHEET 1 of 1
DATE STARTED: 8/30/05
DATE COMPLETED: 9/08/05

PROJECT NAME: WOLCOTT
SITE NAME: RT. 15
STATION: 3+01.22
OFFSET: 35.36
VTSPG: N 754367.11 ft E 1633563.59 ft

PROJECT NUMBER: RT. 15 SLIDE
SITE NUMBER: SLIDE AREA
GROUND ELEVATION: 681.3 ft
GROUNDWATER DEPTH: 6.5 ft 9/02/05
PROJECT PIN NUMBER: 04X507

BORING CREW
CREW CHIEF: TALLMAN
DRILLER: TALLMAN
LOGGER: PORTER

BORING RIG: LAG TRACK RIG
BORING TYPE: WASH BORE
SAMPLE TYPE: SPLIT BARREL
CHECKED BY: DLG

DEPTH (ft)	SYMBOL	CLASSIFICATION OF MATERIALS (Description)	WELL DIAGRAM	BLOWS PER FOOT	M.C. (%)	GRAVEL (%)	SAND (%)	FINES (%)
Top of Well Elevation: 684.0 ft								
	XXXX	Fill Material, 0.0 ft - 4.0 ft, put into place 08/29/05 for the drill rig. Inclinator casing is 2.5 ft. above ground level.						
5	XXXX	Visual Class: A-2-4, Si Sa Gr with roots and wood material, brn, Moist, Rec. = 0.9 ft, 4.0 ft - 6.0 ft		11	34.1			
	XXXX	A-4, SiSa, brn, Moist, Rec. = 1.0 ft		3	26.9	1.8	51.7	46.5
10	XXXX	Visual Class: A-2-4, Sa with broken rock material, brn, Moist, Rec. = 0.6 ft, 8.0 ft - 10.0 ft		19	18.4			
	XXXX	A-1-b, GrSa, brn, Moist, Rec. = 1.0 ft		17	14.6	42.3	43.2	14.5
	XXXX	A-2-4, SiSa, brn-gry, MTW, Rec. = 0.5 ft		3	26.4	7.3	66.6	26.1
15	XXXX	A-2-4, SiSa, brn-gry, MTW, Rec. = 0.1 ft		7	37.7	11.3	59.0	29.7
	XXXX	A-4, GrSaSi, gry, Moist, Rec. = 1.4 ft		25	10.5	27.3	36.3	36.4
	XXXX	A-4, SaSi HP, gry, Moist, Rec. = 1.7 ft		90	10.5	12.0	41.2	46.8
20	XXXX	A-4, GrSaSi HP, gry, Moist, Rec. = 1.3 ft		R	7.7	29.8	33.4	36.8
25	XXXX	A-4, SaSi HP, gry, Moist, Rec. = 1.5 ft		R	8.9	9.5	36.3	54.2
30	XXXX	A-4, SaSi HP, gry, Moist, Rec. = 1.5 ft		R	9.1	7.5	40.0	52.5
35	XXXX	A-4, SaSi HP, gry, Moist, Rec. = 1.7 ft		97	15.6	9.8	24.4	65.8
Hole stopped @ 37.0 ft								
40		DRILLER'S NOTES: 1. Inclinator #2 was installed. 2. There is 34.5 ft. of Inclinator casing in ground. 3. There is 2.5 ft. of Inclinator casing above ground.						

LOG OF BORING WOLCOTT RT.15 SLIDE (P.1) VT DOT 12/14/06

DEFINITIONS (AASHTO)

BEDROCK (LEDGE) - ROCK IN ITS NATIVE LOCATION OF INDEFINITE THICKNESS.
BOULDER - A ROCK FRAGMENT WITH AN AVERAGE DIMENSION >12 INCHES.
COBBLE - ROCK FRAGMENTS WITH AN AVERAGE DIMENSION BETWEEN 3 AND 12 INCHES.
GRAVEL - ROUNDED PARTICLES OF ROCK <3" AND > 0.075" (#10 SIEVE).
SAND - PARTICLES OF ROCK < 0.075" (#10 SIEVE) AND > 0.0029" (#200 SIEVE).
SILT - SOIL < 0.0029" (#200 SIEVE), NON OR SLIGHTLY PLASTIC AND EXHIBITS NO STRENGTH WHEN AIR-DRIED.
CLAY - FINE GRAINED SOIL, EXHIBITS PLASTICITY WHEN MOIST AND CONSIDERABLE STRENGTH WHEN AIR-DRIED.
VARVED - ALTERNATE LAYERS OF SILT AND CLAY.
HARDPAN - EXTREMELY DENSE SOIL, CEMENTED LAYER, NOT SOFTENED WHEN WET.
MUCK - SOFT ORGANIC SOIL (CONTAINING > 10% ORGANIC MATERIAL).
MOISTURE CONTENT - WEIGHT OF WATER DIVIDED BY DRY WEIGHT OF SOIL.
FLOWING SAND - GRANULAR SOIL SO SATURATED (LOOSE) THAT IT FLOWS INTO DRILL CASING DURING EXTRACTION OF WASH ROD.
STRIKE - ANGLE FROM MAGNETIC NORTH TO LINE OF INTERSECTION OF BED WITH A HORIZONTAL PLANE.
DIP - INCLINATION OF BED WITH A HORIZONTAL PLANE.



STATE OF VERMONT
AGENCY OF TRANSPORTATION
MATERIALS & RESEARCH SECTION
SUBSURFACE INFORMATION

BORING NUMBER: B-3 INC#3
SHEET 1 of 1
DATE STARTED: 9/13/05
DATE COMPLETED: 9/16/05

PROJECT NAME: WOLCOTT
SITE NAME: RT. 15
STATION: 3+96.21
OFFSET: 35.26
VTSPG: N 754347.53 ft E 1633658.39 ft

PROJECT NUMBER: RT. 15 SLIDE
SITE NUMBER: SLIDE AREA
GROUND ELEVATION: 684.37 ft
GROUNDWATER DEPTH: 4.0 ft 9/15/05
PROJECT PIN NUMBER: 04X507

BORING CREW
CREW CHIEF: TALLMAN
DRILLER: TALLMAN
LOGGER: PORTER

BORING RIG: LAG TRACK RIG
BORING TYPE: WASH BORE
SAMPLE TYPE: SPLIT BARREL
CHECKED BY: DLG

DEPTH (ft)	SYMBOL	CLASSIFICATION OF MATERIALS (Description)	WELL DIAGRAM	BLOWS PER FOOT	M.C. (%)	GRAVEL (%)	SAND (%)	FINES (%)
Top of Well Elevation: 685.91 ft								
	XXXX	Visual Class: Topsoil, brn-gry, Moist, 0.0 ft - 0.4 ft, There is 2.5 ft. of inclinometer casing above ground level.		R	17.4			
	XXXX	Boulder, Rec. = 0.4 ft, 0.4 ft - 2.0 ft		12				
	XXXX	Broken Rock, possible Fill, Rec. = 0.5 ft, 2.0 ft - 4.0 ft		5				
5	XXXX	Visual Class: A-1-b, Sa Gr, gry-brn, Moist, Rec. = 0.3 ft, 4.0 ft - 6.0 ft, Insufficient sample for testing.		4				
	XXXX	No Recovery, 6.0 ft - 8.0 ft						
10	XXXX	A-2-4, GrSiSa, brn, MTW, Rec. = 1.6 ft		2	18.6	20.4	48.9	30.7
	XXXX	A-2-4, GrSiSa, brn-gry, MTW, Rec. = 1.0 ft		5	20.1	25.0	42.4	32.6
	XXXX	No Recovery, 12.0 ft - 14.0 ft						
15	XXXX	A-2-4, SiSa, brn-gry, MTW, Rec. = 2.0 ft		8	20.0	13.5	55.7	32.8
	XXXX	A-2-4, SiSa, brn-gry, Moist, Rec. = 0.8 ft		78	20.6	7.8	64.5	27.7
	XXXX	Visual Class: Broken Rock fragments, gry, 16.8 ft - 17.0 ft						
	XXXX	A-1-b, SaGr, gry, Moist, Rec. = 0.6 ft		23	10.1	48.2	35.5	18.3
20	XXXX	A-1-b, SiGrSa, gry, Moist, Rec. = 0.8 ft		7	10.7	35.8	40.3	23.9
	XXXX	A-4, GrSaSi HP, gry, Moist, Rec. = 0.5 ft		20	10.5	32.1	32.2	35.7
	XXXX	A-4, GrSaSi HP, gry, Moist, Rec. = 1.3 ft		46	9.4	27.0	33.5	39.5
25	XXXX	A-4, GrSiSa HP, gry, Moist, Rec. = 1.6 ft		41	10.7	22.8	39.7	37.5
	XXXX	A-2-4, SiGrSa HP, gry, Moist, Rec. = 1.8 ft		69	9.2	35.5	35.5	29.0
30	XXXX	A-4, SaSi HP, gry, Moist, Rec. = 1.9 ft		90	8.4	16.6	37.6	45.8
	XXXX	A-4, SaSi HP, gry, Moist, Rec. = 1.4 ft		R	9.9	16.2	35.6	48.2
35	XXXX	A-2-4, GrSiSa HP, gry, Moist, Rec. = 1.5 ft		R	9.6	28.7	39.4	31.9
40	XXXX	A-4, SaSi HP, gry, Moist, Rec. = 1.5 ft		R	9.1	16.1	38.3	45.6
Hole stopped @ 41.5 ft								
45		DRILLER'S NOTES: 1. Inclinator #3 was installed. 2. There is 39.9 ft. of Inclinator casing in ground. 3. There is 2.5 ft. of Inclinator casing above ground.						

LOG OF BORING WOLCOTT RT.15 SLIDE (P.1) VT DOT 12/14/06

GENERAL NOTES

- THE SUBSURFACE EXPLORATIONS SHOWN HEREIN WERE MADE BETWEEN AND BY THE AGENCY. AND OTHER FACTORS.
- ENGINEERING JUDGEMENT WAS EXERCISED IN PREPARING THE SUBSURFACE INFORMATION PRESENTED HEREIN. ANALYSIS AND INTERPRETATION OF SUBSURFACE DATA WAS PERFORMED AND INTERPRETED FOR AGENCY DESIGN AND ESTIMATING PURPOSES. PRESENTATION OF THE INFORMATION IN THE CONTRACT IS INTENDED TO PROVIDE THE CONTRACTOR ACCESS TO THE SAME DATA AVAILABLE TO THE AGENCY. THE SUBSURFACE INFORMATION IS PRESENTED IN GOOD FAITH AND IS NOT INTENDED AS A SUBSTITUTE FOR PERSONAL INVESTIGATION, INDEPENDENT INTERPRETATION, INDEPENDENT ANALYSIS OR JUDGEMENT BY THE CONTRACTOR.
- SOIL AND ROCK CLASSIFICATIONS, PROPERTIES AND DESCRIPTIONS ARE BASED ON ENGINEERING INTERPRETATION FROM AVAILABLE SUBSURFACE INFORMATION BY THE AGENCY AND MAY NOT NECESSARILY REFLECT ACTUAL VARIATIONS IN SUBSURFACE CONDITIONS THAT MAY BE ENCOUNTERED BETWEEN INDIVIDUAL BORING OR SAMPLE LOCATIONS.
- OBSERVED WATER LEVELS AND/OR CONDITIONS INDICATED ARE AS RECORDED AT THE TIME OF EXPLORATION AND MAY VARY ACCORDING TO THE PREVAILING RAINFALL, METHODS OF EXPLORATION

PROJECT NAME: WOLCOTT
PROJECT NUMBER: STP 030-2(22)

FILE NAME: d07b096bdr.dgn
PROJECT LEADER: JLS
DESIGNED BY: DLG/MBL
BORING LOG SHEET 2

PLOT DATE: 11-SEP-2007
DRAWN BY: MBL
CHECKED BY: SDM
SHEET 5 OF 22

SOIL CLASSIFICATION

AASHTO

A1	GRAVEL AND SAND
A2	SILTY OR CLAYEY GRAVEL AND SAND
A3	FINE SAND
A4	SILTY SOIL - LOW COMPRESSIBILITY
A5	SILTY SOIL - HIGHLY COMPRESSIBLE
A6	CLAYEY SOIL - LOW COMPRESSIBILITY
A7	CLAYEY SOIL - HIGHLY COMPRESSIBLE

ROCK QUALITY DESIGNATION

R.Q.D. (%)	ROCK DESCRIPTION
<25	VERY POOR
25 to 50	POOR
51 to 75	FAIR
76 to 90	GOOD
>90	EXCELLENT

SHEAR STRENGTH

UNDRAINED SHEAR STRENGTH IN P.S.F.	CONSISTENCY
<250	VERY SOFT
250-500	SOFT
500-1000	MED. STIFF
1000-2000	STIFF
2000-4000	VERY STIFF
>4000	HARD

CORRELATION GUIDE OF "N" TO DENSITY /CONSISTENCY

DENSITY (GRANULAR SOILS)		CONSISTENCY (COHESIVE SOILS)	
N	DESCRIPTIVE TERM	N	DESCRIPTIVE TERM
<5	VERY LOOSE	<2	VERY SOFT
5-10	LOOSE	2-4	SOFT
11-24	MED. DENSE	5-8	MED. STIFF
25-50	DENSE	9-15	STIFF
>50	VERY DENSE	16-30	VERY STIFF
		31-60	HARD
		>60	VERY HARD

COMMONLY USED SYMBOLS

▼	WATER ELEVATION
⊕	STANDARD PENETRATION BORING
⊗	AUGER BORING
⊙	ROD SOUNDING
S	SAMPLE
N	STANDARD PENETRATION TEST
	BLOW COUNT PER FOOT FOR:
	2" O.D. SAMPLER
	1 1/2" I.D. SAMPLER
	HAMMER WEIGHT OF 140 LBS.
	HAMMER FALL OF 30"
VS	FIELD VANE SHEAR TEST
US	UNDISTURBED SOIL SAMPLE
B	BLAST
DC	DIAMOND CORE
MD	MUD DRILL
WA	WASH AHEAD
HSA	HOLLOW STEM AUGER
AX	CORE SIZE 1 1/8"
BX	CORE SIZE 1 1/2"
NX	CORE SIZE 2 1/8"
M	DOUBLE TUBE CORE BARREL USED
LL	LIQUID LIMIT
PL	PLASTIC LIMIT
PI	PLASTICITY INDEX
NP	NON PLASTIC
W	MOISTURE CONTENT (DRY WGT. BASIS)
D	DRY
M	MOIST
MTW	MOIST TO WET
W	WET
SAT	SATURATED
BO	BOULDER
GR	GRAVEL
SA	SAND
SI	SILT
CL	CLAY
HP	HARDPAN
LE	LEDGE
NLTD	NO LEDGE TO DEPTH
CNPF	CAN NOT PENETRATE FURTHER
TLOB	TO LEDGE OR BOULDER
NR	NO RECOVERY
REC.	RECOVERY
%REC.	PERCENT RECOVERY
RQD	ROCK QUALITY DESIGNATION
CBR	CALIFORNIA BEARING RATIO
<	LESS THAN
>	GREATER THAN
R	REFUSAL (N>100)

COLOR

blk	BLACK	pnk	PINK
bl	BLUE	pu	PURPLE
brn	BROWN	rd	RED
dk	DARK	tn	TAN
gr	GRAY	wh	WHITE
gn	GREEN	yel	YELLOW
lt	LIGHT	mlto	MULTICOLORED
or	ORANGE		



STATE OF VERMONT
AGENCY OF TRANSPORTATION
MATERIALS & RESEARCH SECTION
SUBSURFACE INFORMATION

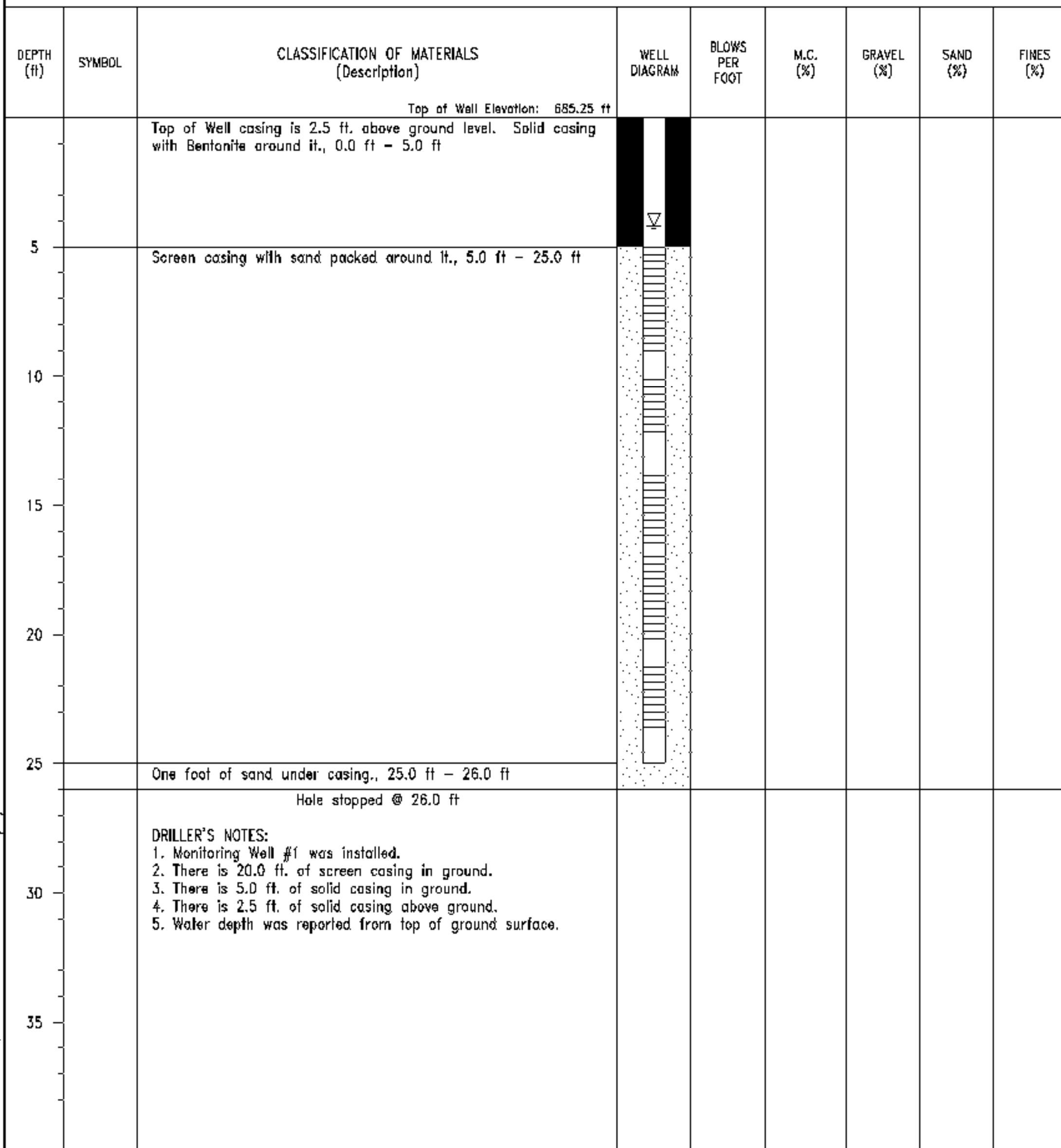
BORING NUMBER: B-4 MW #1
SHEET 1 of 1
DATE STARTED: 9/09/05
DATE COMPLETED: 9/12/05

PROJECT NAME: WOLCOTT
SITE NAME: RT. 15
STATION: 3+89.26
OFFSET: 56.00
VTSPG: N 754348.31 ft E 1633650.27 ft

PROJECT NUMBER: RT. 15 SLIDE
SITE NUMBER: SLIDE AREA
GROUND ELEVATION: 683.16 ft
GROUNDWATER DEPTH: 4.2 ft 9/13/05
PROJECT PIN NUMBER: 04X507

BORING CREW
CREW CHIEF: TALLMAN
DRILLER: TALLMAN
LOGGER: PORTER

BORING RIG: LAG TRACK RIG
BORING TYPE:
SAMPLE TYPE:
CHECKED BY: DLG



LOG OF BORING WOLCOTT RT.15 SLIDE (P.1) VT DOT 12/14/06

DEFINITIONS (AASHTO)

- BEDROCK (LEDGE)** - ROCK IN ITS NATIVE LOCATION OF INDEFINITE THICKNESS.
- BOULDER** - A ROCK FRAGMENT WITH AN AVERAGE DIMENSION >12 INCHES.
- COBBLE** - ROCK FRAGMENTS WITH AN AVERAGE DIMENSION BETWEEN 3 AND 12 INCHES.
- GRAVEL** - ROUNDED PARTICLES OF ROCK <3" AND > 0.075" (#10 SIEVE).
- SAND** - PARTICLES OF ROCK < 0.075" (#10 SIEVE) AND > 0.0029" (#200 SIEVE).
- SILT** - SOIL < 0.0029" (#200 SIEVE), NON OR SLIGHTLY PLASTIC AND EXHIBITS NO STRENGTH WHEN AIR-DRIED.
- CLAY** - FINE GRAINED SOIL, EXHIBITS PLASTICITY WHEN MOIST AND CONSIDERABLE STRENGTH WHEN AIR-DRIED.
- VARVED** - ALTERNATE LAYERS OF SILT AND CLAY.
- HARDPAN** - EXTREMELY DENSE SOIL, CEMENTED LAYER, NOT SOFTENED WHEN WET.
- MUCK** - SOFT ORGANIC SOIL (CONTAINING > 10% ORGANIC MATERIAL).
- MOISTURE CONTENT** - WEIGHT OF WATER DIVIDED BY DRY WEIGHT OF SOIL.
- FLOWING SAND** - GRANULAR SOIL SO SATURATED (LOOSE) THAT IT FLOWS INTO DRILL CASING DURING EXTRACTION OF WASH ROD.
- STRIKE** - ANGLE FROM MAGNETIC NORTH TO LINE OF INTERSECTION OF BED WITH A HORIZONTAL PLANE.
- DIP** - INCLINATION OF BED WITH A HORIZONTAL PLANE.



STATE OF VERMONT
AGENCY OF TRANSPORTATION
MATERIALS & RESEARCH SECTION
SUBSURFACE INFORMATION

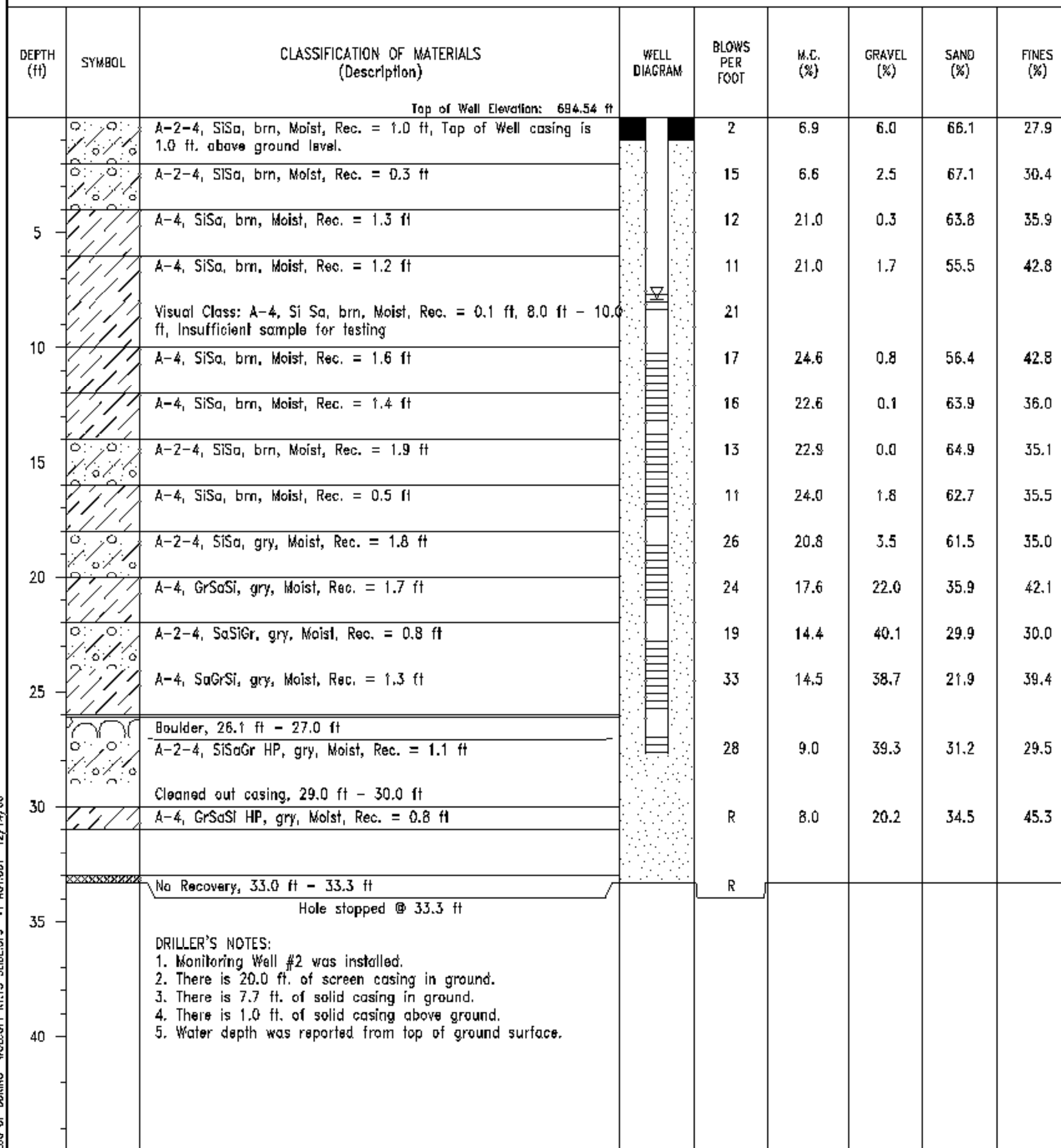
BORING NUMBER: B-5 MW #2
SHEET 1 of 1
DATE STARTED: 9/21/05
DATE COMPLETED: 9/23/05

PROJECT NAME: WOLCOTT
SITE NAME: RT. 15
STATION: 3+97.37
OFFSET: -25.15
VTSPG: N 754407.08 ft E 1633668.86 ft

PROJECT NUMBER: RT. 15 SLIDE
SITE NUMBER: SLIDE AREA
GROUND ELEVATION: 693.53 ft
GROUNDWATER DEPTH: 7.9 ft 9/26/05
PROJECT PIN NUMBER: 04X507

BORING CREW
CREW CHIEF: TALLMAN
DRILLER: TALLMAN
LOGGER: PORTER

BORING RIG: LAG TRACK RIG
BORING TYPE: WASH BORE
SAMPLE TYPE: SPLIT BARREL
CHECKED BY: DLG



LOG OF BORING WOLCOTT RT.15 SLIDE (P.1) VT DOT 12/14/06

GENERAL NOTES

- THE SUBSURFACE EXPLORATIONS SHOWN HEREIN WERE MADE BETWEEN AND BY THE AGENCY.
- SOIL AND ROCK CLASSIFICATIONS, PROPERTIES AND DESCRIPTIONS ARE BASED ON ENGINEERING INTERPRETATION FROM AVAILABLE SUBSURFACE INFORMATION BY THE AGENCY AND MAY NOT NECESSARILY REFLECT ACTUAL VARIATIONS IN SUBSURFACE CONDITIONS THAT MAY BE ENCOUNTERED BETWEEN INDIVIDUAL BORING OR SAMPLE LOCATIONS.
- OBSERVED WATER LEVELS AND/OR CONDITIONS INDICATED ARE AS RECORDED AT THE TIME OF EXPLORATION AND MAY VARY ACCORDING TO THE PREVAILING RAINFALL, METHODS OF EXPLORATION AND OTHER FACTORS.
- ENGINEERING JUDGEMENT WAS EXERCISED IN PREPARING THE SUBSURFACE INFORMATION PRESENTED HEREIN. ANALYSIS AND INTERPRETATION OF SUBSURFACE DATA WAS PERFORMED AND INTERPRETED FOR AGENCY DESIGN AND ESTIMATING PURPOSES. PRESENTATION OF THE INFORMATION IN THE CONTRACT IS INTENDED TO PROVIDE THE CONTRACTOR ACCESS TO THE SAME DATA AVAILABLE TO THE AGENCY. THE SUBSURFACE INFORMATION IS PRESENTED IN GOOD FAITH AND IS NOT INTENDED AS A SUBSTITUTE FOR PERSONAL INVESTIGATION, INDEPENDENT INTERPRETATION, INDEPENDENT ANALYSIS OR JUDGEMENT BY THE CONTRACTOR.

PROJECT NAME: WOLCOTT
PROJECT NUMBER: STP 030-2(22)

FILE NAME: d07b096bdr.dgn
PROJECT LEADER: JLS
DESIGNED BY: DLG/MBL
BORING LOG SHEET 3

PLOT DATE: 11-SEP-2007
DRAWN BY: MBL
CHECKED BY: SDM
SHEET 6 OF 22

QUANTITY SHEET

SUMMARY OF ESTIMATED QUANTITIES

TOTALS

DESCRIPTIONS

DETAILED SUMMARY OF QUANTITIES

SUMMARY OF ESTIMATED QUANTITIES										TOTALS		DESCRIPTIONS				DETAILED SUMMARY OF QUANTITIES			
								ROADWAY	EROSION CONTROL	FULL C.C. 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	-			
								1000			1000		CY	COMMON EXCAVATION	203.15	-			
								1460			1460		CY	UNCLASSIFIED EXCAVATION	203.17	-			
								925			925		SY	COLD PLANING, BITUMINOUS PAVEMENT	210.10	-			
								535			535		CY	SUBBASE OF CRUSHED GRAVEL, COARSE GRADED	301.25	-			
								3			3		CWT	EMULSIFIED ASPHALT	404.85	-			
								260			260		TON	BITUMINOUS CONCRETE PAVEMENT (FG 58-28)	406.25	5			BITUMINOUS CONCRETE PAVEMENT (FG 58-28)
								1			1		LS	FURNISHING EQUIPMENT FOR DRIVING PILING	504.10	-	102.1	TON	TYPE III - TOP COURSE
								2520			2520		LF	STEEL PILING, HP 10 X 42	505.10	-	122.9	TON	TYPE III - BOTTOM COURSE
								40			40		HR	BULLDOZER RENTAL, TYPE I	608.10	EST.	5	TON	ROUNDING
								40			40		HR	ALL PURPOSE EXCAVATOR RENTAL, TYPE I	608.25	EST.			
								10			10		HR	POWER BROOM RENTAL, TYPE I	608.30	EST.			TEMPORARY WORK (FOR INTERIM COMPLETION DATE)
								20			20		HR	TRUCK RENTAL	608.37	EST.			
								40			40		HR	LOADER RENTAL, TYPE I	608.40	EST.	100	CY	SUBBASE OF CRUSHED GRAVEL, COARSE GRADED
								2770			2770		CY	STONE FILL, TYPE II	613.11	-	30	TON	BITUMINOUS CONCRETE PAVEMENT (FG 58-28)
								456			456		LF	STEEL BEAM GUARDRAIL, GALVANIZED	621.20	-	480	LF	REMOVE AND RESET GUARDRAIL
								1			1		EACH	MANUFACTURED TERMINAL SECTION, FLARED	621.50	-	100	LF	ADJUST HEIGHT OF GUARD RAIL
								2			2		EACH	ENERGY ABSORPTION ATTENUATOR	621.56	-	550	LF	TEMPORARY TRAFFIC BARRIER
								490			490		LF	REMOVE AND RESET GUARDRAIL	621.75	-	840	LF	TEMPORARY 4 INCH WHITE LINE
								100			100		LF	ADJUST HEIGHT OF GUARDRAIL	621.79	EST.	555	LF	TEMPORARY 4 INCH WHITE LINE, PAINT
								1100			1100		LF	TEMPORARY TRAFFIC BARRIER	621.90	-	1105	LF	TEMPORARY 4 INCH YELLOW LINE, PAINT
								200			200		HR	UNIFORMED TRAFFIC OFFICERS	630.10	EST.	24	LF	TEMPORARY 24 INCH STOP BAR
								500			500		HR	FLAGGERS	630.15	EST.	330	SF	REMOVAL OF EXISTING PAVEMENT MARKINGS
										1	1		LS	FIELD OFFICE, ENGINEERS	631.10	-	550	SF	PAVEMENT MARKING MASK
										1	1		LS	TESTING EQUIPMENT, BITUMINOUS	631.17	-			
										1	1		LU	FIELD OFFICE TELEPHONE (N.A.B.U.)	631.25	-			
								1			1		LS	MOBILIZATION/DEMobilIZATION	635.11	-			
								1			1		LS	TRAFFIC CONTROL	641.10	-			
								555			555		LF	DURABLE 4 INCH WHITE LINE	646.400	-			
								1105			1105		LF	DURABLE 4 INCH YELLOW LINE	646.410	-			
								1680			1680		LF	TEMPORARY 4 INCH WHITE LINE	646.600	-			
								555			555		LF	TEMPORARY 4 INCH WHITE LINE, PAINT	646.602	-			
								1105			1105		LF	TEMPORARY 4 INCH YELLOW LINE, PAINT	646.612	-			
								48			48		LF	TEMPORARY 24 INCH STOP BAR	646.680	-			
								21			21		EACH	LINE STRIPING TARGETS	646.76	-			
								880			880		SF	REMOVAL OF EXISTING PAVEMENT MARKINGS	648.85	-			
								1100			1100		SF	PAVEMENT MARKING MASK	648.86	-			
								680			680		SY	GEOTEXTILE FOR ROADBED SEPARATOR	649.11	-			
									2150		2150		SY	GEOTEXTILE UNDER STONE FILL	649.31	-			
									105		105		SY	GEOTEXTILE FOR SILT FENCE	649.51	-			

REVISED: 09/28/07

PROJECT NAME: WOLCOTT
PROJECT NUMBER: STP 030-2(22)

PROJECT MANAGER: MBL
DESIGNED BY: MBL
QUANTITY SHEET #1

DRAWN BY: MBL
CHECKED BY: SDM
SHEET 7 OF 22

STATE OF VERMONT
AGENCY OF TRANSPORTATION

EARTHWORKS

SUMMARY AND BALANCES

STATION		DIST		TOTAL EARTHWORK EARTH AND ROCK		EXCAVATION		EMBANKMENT		STATION		DIST		TOTAL EARTHWORK EARTH AND ROCK		EXCAVATION		EMBANKMENT		STATION		DIST		TOTAL EARTHWORK EARTH AND ROCK		EXCAVATION		EMBANKMENT		STATION TO STATION		TOT EXC EARTH & ROCK C.Y.	ROCK EXCAV C.Y.	EMBANK C.Y.	EXCESSES		ACUMULATIVE EXCESSES					
AREA	VOLUME	AREA	VOLUME	AREA	VOLUME	AREA	VOLUME	AREA	VOLUME	AREA	VOLUME	AREA	VOLUME	AREA	VOLUME	AREA	VOLUME	AREA	VOLUME	AREA	VOLUME	AREA	VOLUME	AREA	VOLUME	AREA	VOLUME	AREA	VOLUME	AREA	VOLUME	CUT	FILL	CUT	FILL							
S.F.	C.Y.	S.F.	C.Y.	S.F.	C.Y.	S.F.	C.Y.	S.F.	C.Y.	S.F.	C.Y.	S.F.	C.Y.	S.F.	C.Y.	S.F.	C.Y.	S.F.	C.Y.	S.F.	C.Y.	S.F.	C.Y.	S.F.	C.Y.	S.F.	C.Y.	S.F.	C.Y.													
11+50		120				0																																				
25		117				18																																				
11+75		133				40																																				
25		137				43																																				
12+00		163				53																																				
25		132				60																																				
12+25		123				78																																				
25		101				70																																				
12+50		95				74																																				
25		85				59																																				
12+75		88				54																																				
25		75				54																																				
13+00		75				63																																				
25		68				56																																				
13+25		75				58																																				
25		98				58																																				
13+50		138				67																																				
25		105				63																																				
13+75		88				69																																				
25		81				81																																				
14+00		87				64																																				
25		72				73																																				
14+25		87				94																																				
25		120				62																																				
14+50		102				30																																				
25		203				21																																				
14+75		247				7																																				
25		183				3																																				
15+00		148				0																																				
25		107				0																																				
15+25		84				0																																				

PROJECT NAME: **WOLCOTT**
 PROJECT NUMBER: **STP 030-2(22)**
 FILE NAME: **Earthworks.xls** PLOT DATE: **8/22/2007**
 PROJECT LEADER: **JLS** DRAWN BY: **MBL**
 DESIGNED BY: **MBL** CHECKED BY: **SDM**
 EARTHWORK SHEET #1 SHEET **9** OF **22**

**STA. 10+47.23
BEGIN PROJECT
STP 030-2(22)
BEGIN TRANSITION**

STEEL BEAM GUARDRAIL, GALVANIZED
STA. 10+42.60 - 14+98.60, RT.
REMOVE AND RESET GUARDRAIL (SEE NOTE 6)
STA. 10+47.23 - 15+35.60, RT.
MANUFACTURED TERMINAL SECTION, FLARED
STA. 14+98.60 - 15+35.60, RT.
15+00.0 - 15+35.0

DURABLE 4 INCH YELLOW LINE (DOUBLE)
STA. 10+47.23 - 15+97.18, RT.
10+47 CL 16+00 CL
DURABLE 4 INCH WHITE LINE
STA. 10+47.23 - 15+97.18, RT.
8+49 LT 16+00 LT
10+47 RT 16+00 RT

CURVE #2
 $\Delta=6^{\circ}07'28.03''$ LT.
R=1500.00'
T=80.25'
L=160.34'
E=2.14'
BANK TO MATCH EXISTING

STONE FILL, TYPE II
STA. 11+25.00 - 15+25.00, RT.
11+50

CURVE #3
 $\Delta=4^{\circ}28'06.58''$ LT.
R=750.00'
T=29.26'
L=58.49'
E=0.57'
BANK TO MATCH EXISTING

CURVE #4
 $\Delta=6^{\circ}19'14.06''$ LT.
R=500.00'
T=27.61'
L=55.16'
E=0.76'
BANK TO MATCH EXISTING

**STA. 11+97.23
END TRANSITION
BEGIN LANE & SHOULDER
RECONSTRUCTION**

**STA. 14+47.18
END LANE & SHOULDER
RECONSTRUCTION
BEGIN TRANSITION**

**STA. 15+97.18
END TRANSITION
END PROJECT
STP 030-2(22)**

**STA. 11+54.00, RT.
BEGIN ROW "A"
PILE INSTALLATION**

**STA. 12+59.00, RT.
BEGIN ROW "B"
PILE INSTALLATION**

**STA. 14+72.00, RT.
END ROW "A"
PILE INSTALLATION**

**STA. 14+69.00, RT.
END ROW "B"
PILE INSTALLATION**

NOTES:

1. THE DRIVING CRITERIA FOR ROW "A" H-PILES A-1 TO A-54 SHALL BE DRIVEN 40' RIGHT OF CENTERLINE TO A DEPTH OF 30 FEET, SPACED 6 FEET ON CENTER.
2. THE DRIVING CRITERIA FOR ROW "B" H-PILES B-1 TO B-19 SHALL BE DRIVEN AT THE APPROXIMATE ELEVATION OF 664.00', TO A DEPTH OF 25 FEET, SPACED 6 FEET ON CENTER AND 3 FEET STAGGERED FROM ROW "A" H-PILES.
3. THE DRIVING CRITERIA FOR ROW "B" H-PILES B-20 TO B-36 SHALL BE DRIVEN 75' RIGHT OF CENTERLINE TO A DEPTH OF 25 FEET, SPACED 6 FEET ON CENTER AND 3 FEET STAGGERED FROM ROW "A" H-PILES.
3. ALL H-PILE LOCATIONS SHALL BE AT CENTER OF WEB. WEBS ARE TO BE PLACED PERPENDICULAR TO THE CENTERLINE OF THE ROADWAY.
4. TOP OF THE H-PILES SHALL BE DRIVEN TO 6" MIN. BELOW FINISHED GRADE.
5. PILE TIPS AND POINT REINFORCEMENT SHALL BE PAID FOR AND CONFORM TO IN ACCORDANCE WITH SPEC. 505 AND 730.01, RESPECTIVELY.
6. REMOVE AND RESET GUARDRAIL AS NEEDED TO COMPLETE THE WORK REQUIRED FOR THE INTERIM COMPLETION DATE.
7. STEEL BEAM GUARDRAIL WITH WOOD POSTS SHALL BE USED ON THE PROJECT.

REMOVE AND RESET GUARDRAIL

9+75.0 - 10+00.0, LT
10+12.5 - 10+25, RT



PROJECT NAME: WOLCOTT
PROJECT NUMBER: STP 030-2(22)

FILE NAME: d07b096n.dgn
PROJECT LEADER: JLS
DESIGNED BY: DLG/MBL
LAYOUT PLAN

PLOT DATE: 11-SEP-2007
DRAWN BY: MBL
CHECKED BY: JLS
SHEET 10 OF 22

**STA. 10+47.23
BEGIN PROJECT
STP 030-2(22)
BEGIN TRANSITION**

STONE FILL, TYPE II
STA. 11+25.00 - 15+25.00, RT.

**STA. 15+97.18
END TRANSITION
END PROJECT
STP 030-2(22)**

**STA. 11+97.23
END TRANSITION
BEGIN LANE & SHOULDER
RECONSTRUCTION**

**STA. 14+47.18
END LANE & SHOULDER
RECONSTRUCTION
BEGIN TRANSITION**

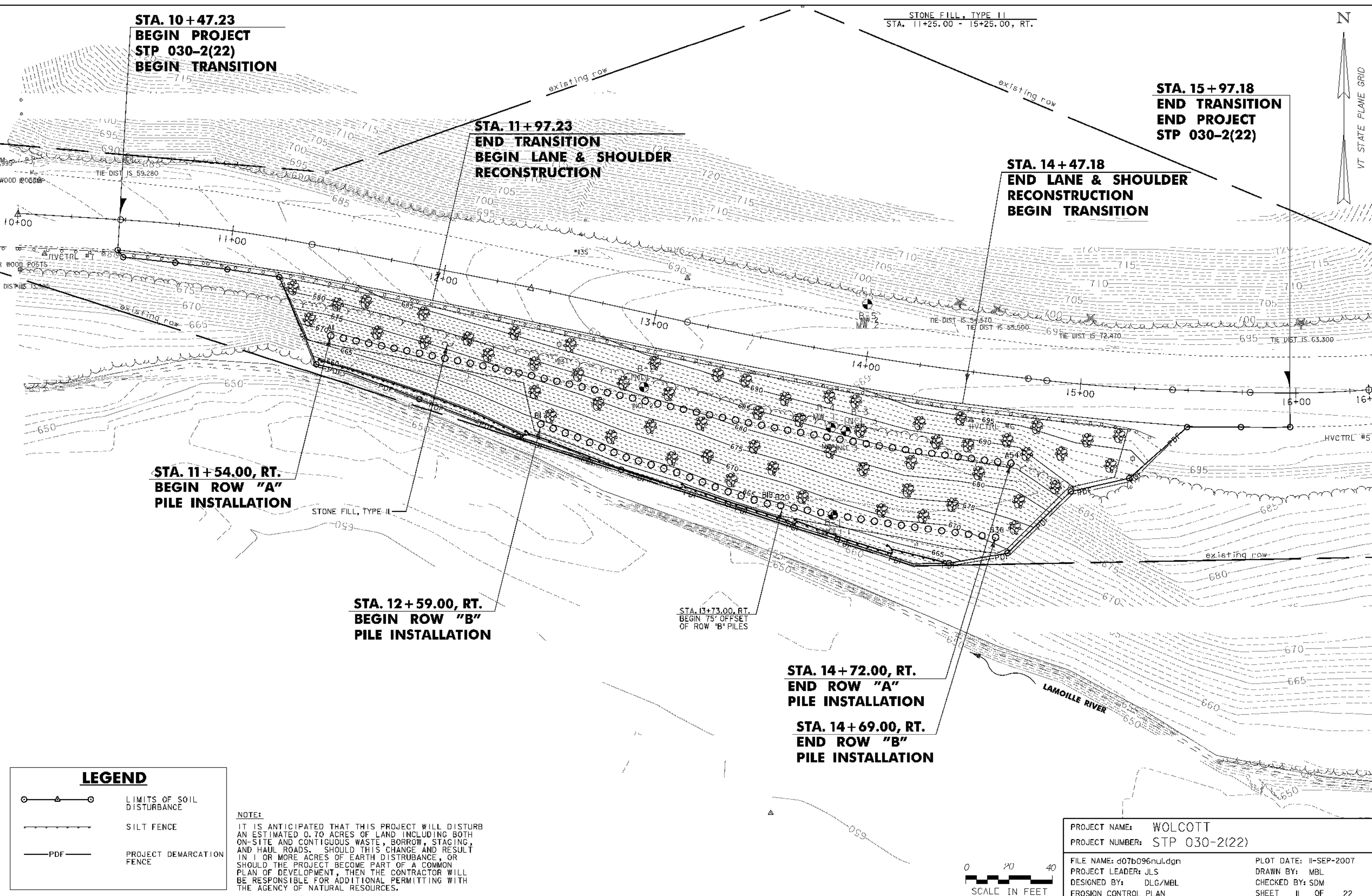
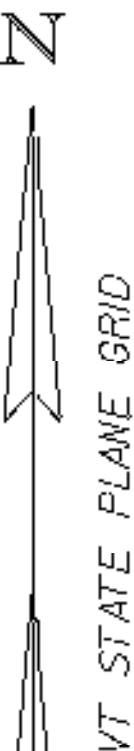
**STA. 11+54.00, RT.
BEGIN ROW "A"
PILE INSTALLATION**

**STA. 12+59.00, RT.
BEGIN ROW "B"
PILE INSTALLATION**

STA. 13+73.00, RT.
BEGIN 75' OFFSET
OF ROW "B" PILES

**STA. 14+72.00, RT.
END ROW "A"
PILE INSTALLATION**

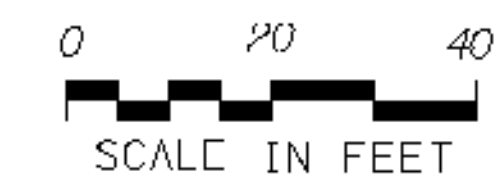
**STA. 14+69.00, RT.
END ROW "B"
PILE INSTALLATION**



LEGEND

- LIMITS OF SOIL DISTURBANCE
- SILT FENCE
- PROJECT DEMARCATION FENCE

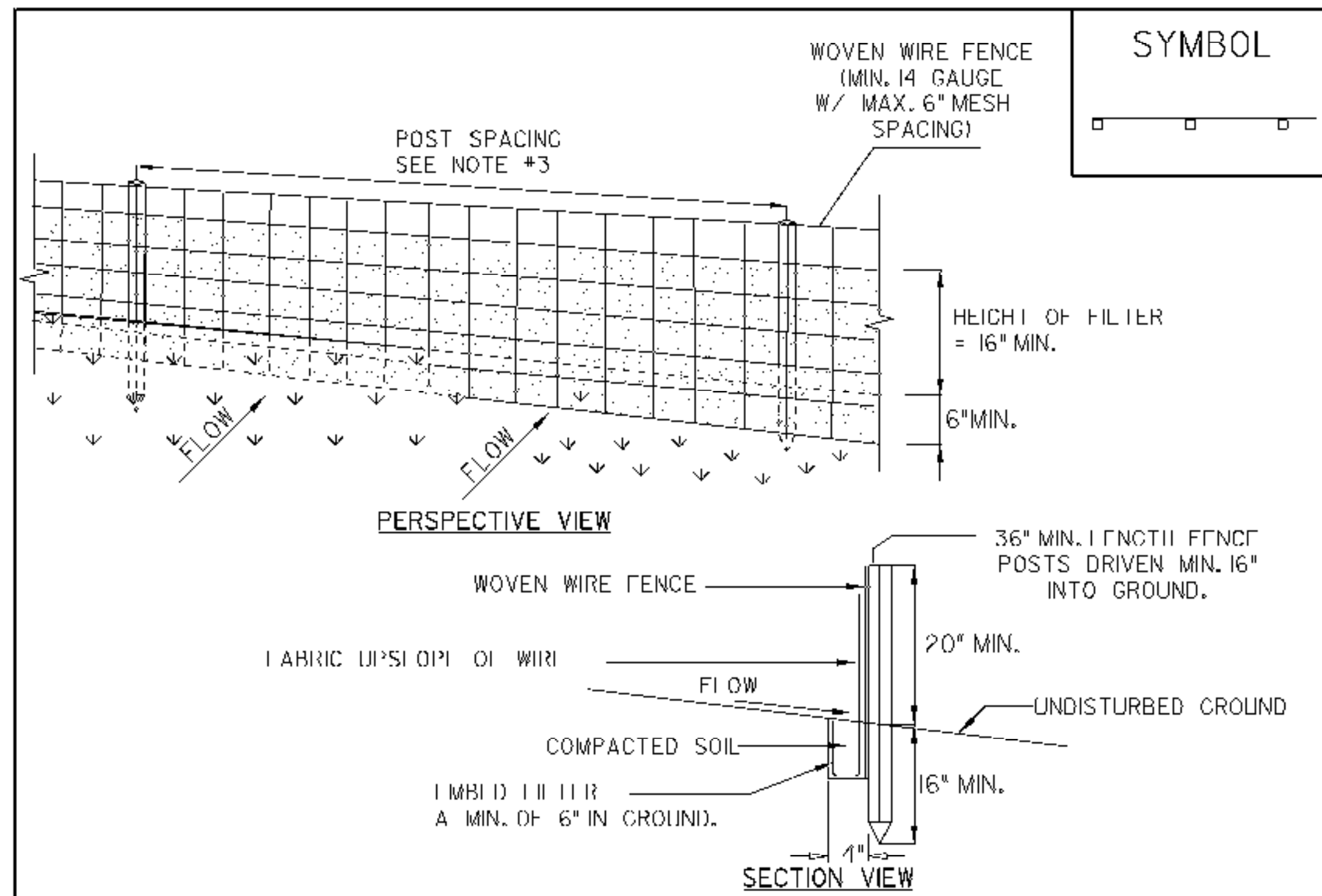
NOTE:
IT IS ANTICIPATED THAT THIS PROJECT WILL DISTURB AN ESTIMATED 0.70 ACRES OF LAND INCLUDING BOTH ON-SITE AND CONTIGUOUS WASTE, BORROW, STAGING, AND HAUL ROADS. SHOULD THIS CHANGE AND RESULT IN 1 OR MORE ACRES OF EARTH DISTURBANCE, OR SHOULD THE PROJECT BECOME PART OF A COMMON PLAN OF DEVELOPMENT, THEN THE CONTRACTOR WILL BE RESPONSIBLE FOR ADDITIONAL PERMITTING WITH THE AGENCY OF NATURAL RESOURCES.



PROJECT NAME: WOLCOTT
PROJECT NUMBER: STP 030-2(22)

FILE NAME: d07b096nul.dgn
PROJECT LEADER: JLS
DESIGNED BY: DLG/MBL
EROSION CONTROL PLAN

PLOT DATE: 11-SEP-2007
DRAWN BY: MBL
CHECKED BY: SDM
SHEET 11 OF 22



CONSTRUCTION SPECIFICATIONS

1. WOVEN WIRE FENCE REINFORCEMENT IS ONLY REQUIRED WITHIN 100 FT UPSLOPE OF RECEIVING WATERS.
2. WHERE REQUIRED FENCE SHALL BE WOVEN WIRE, MIN. 14 GAUGE WITH A 6" MAXIMUM MESH OPENING. FILTER CLOTH SHALL BE EITHER FILTER X, MIRAFIBOX, 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'. FOR FILTER-CLOTH FENCE, 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 SIX INCHES 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
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NOTES:
 REFER TO "THE VERMONT STANDARDS & SPECIFICATIONS FOR EROSION PREVENTION & SEDIMENT CONTROL 2006 "FROM THE VT AGENCY OF NATURAL RESOURCES FOR ADDITIONAL GUIDANCE.
 THIS ITEM SHALL BE PAID FOR UNDER ITEM
 649.51 GEOTEXTILE FOR SILT FENCE (FILTER FABRIC ONLY FENCE)

PROJECT NAME: WOLCOTT	
PROJECT NUMBER: STP 030-2(22)	
FILE NAME: d07b096bdr.dgn	PLOT DATE: 11-SEP-2007
PROJECT LEADER: JLS	DRAWN BY: MBL
DESIGNED BY: DLG/MBL	CHECKED BY: SDM
EROSION CONTROL DETAILS	SHEET 12 OF 22

TEMPORARY 4 INCH WHITE LINE
STA. 9+07.23 - 17+37.18, RT.

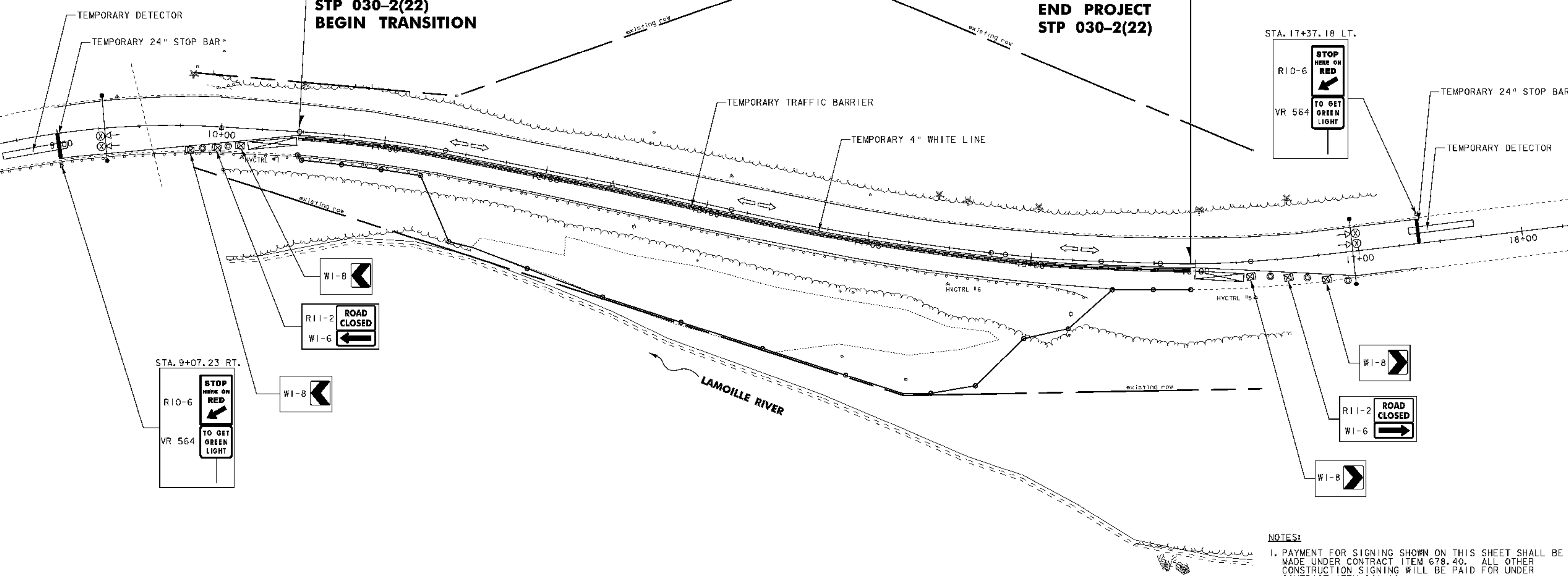
PAVEMENT MARKING MASK
BEFORE CONSTRUCTION:
DOUBLE YELLOW LINE: 9+07.23 - 17+37.18, CL.

REMOVAL OF EXISTING PAVEMENT MARKINGS
AFTER CONSTRUCTION:
24 INCH STOP BAR: 9+07.23, RT.
17+37.18, LT.
TEMP 4" WHITE TAPE: 9+07.37 - 17+37.18, RT.



**STA. 10+47.23
BEGIN PROJECT
STP 030-2(22)
BEGIN TRANSITION**

**STA. 15+97.18
END TRANSITION
END PROJECT
STP 030-2(22)**



LEGEND

- SIGNAL POLES WITH SPAN WIRE
- ⊗← TRAFFIC SIGNAL HEAD & PHASE
- ⊞ SIGN AND POST
- ⊞ ENERGY ABSORPTION ATTENUATOR
- ⇌ TRAFFIC DIRECTION

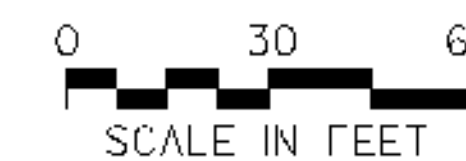
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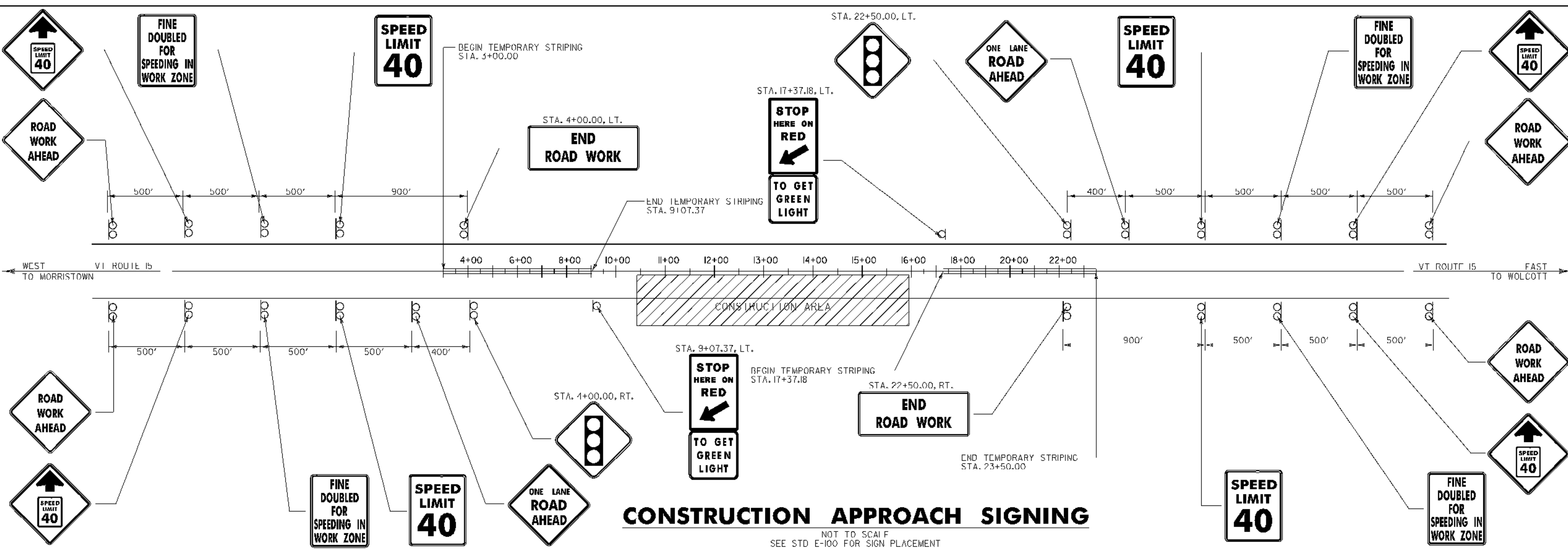
1. PAYMENT FOR SIGNING SHOWN ON THIS SHEET SHALL BE MADE UNDER CONTRACT ITEM 678.40. ALL OTHER CONSTRUCTION SIGNING WILL BE PAID FOR UNDER CONTRACT ITEM 641.10.
2. PAYMENT FOR TEMPORARY DETECTORS WILL BE MADE UNDER CONTRACTOR ITEM 678.42.
3. PAYMENT FOR ENERGY ABSORPTION ATTENUATORS WILL BE MADE UNDER CONTRACT ITEM 621.56. SEE VTRANS APPROVED PRODUCTS LISTING FOR A LIST OF SPECIFIC PRODUCT OPTIONS.

PROJECT NAME: WOLCOTT
PROJECT NUMBER: STP 030-2(22)

FILE NAME: d07b096+cl.dgn
PROJECT LEADER: JLS
DESIGNED BY: MBL
TRAFFIC CONTROL PLAN

PLOT DATE: 11-SEP-2007
DRAWN BY: MBL
CHECKED BY: SDM
SHEET 13 OF 22



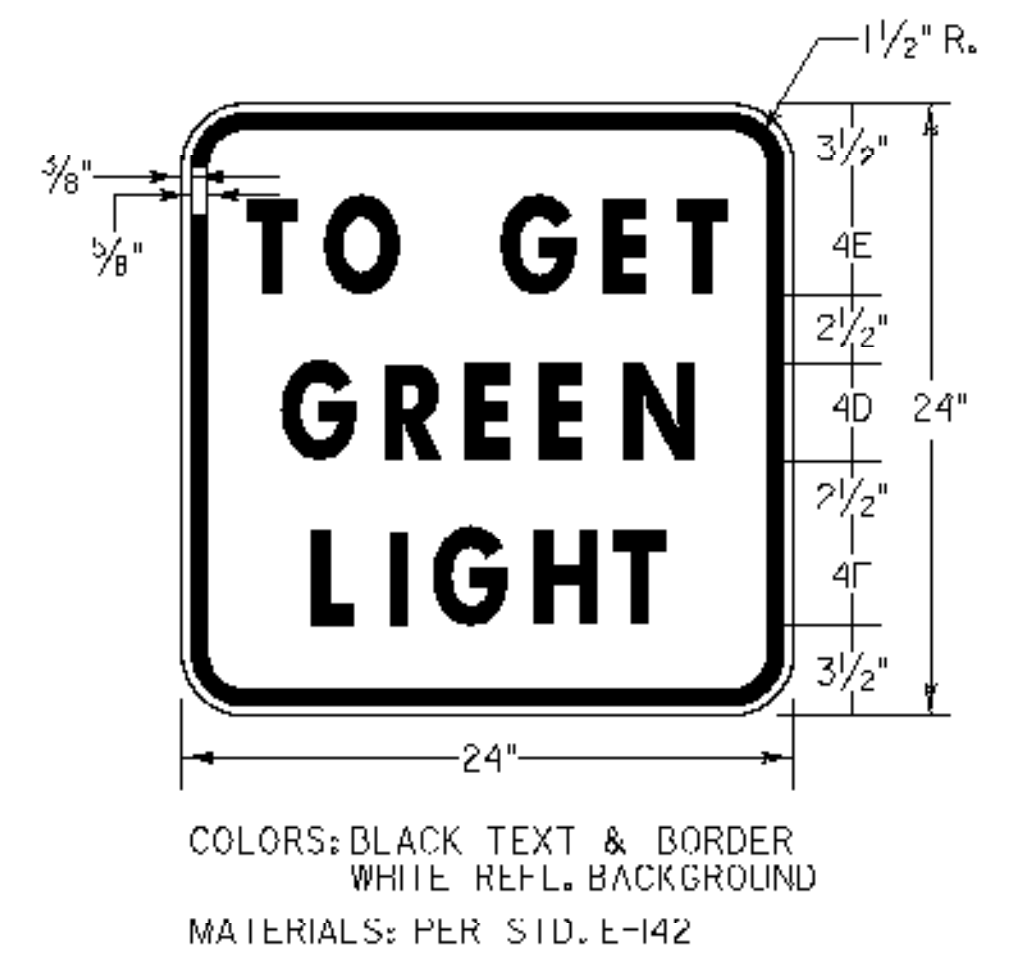


CONSTRUCTION APPROACH SIGNING
 NOT TO SCALE
 SEE STD E-100 FOR SIGN PLACEMENT

TRAFFIC CONTROL GENERAL NOTES

- DESIGN OF THE SIGNAL SUPPORT(S) AND ANY REQUIRED GUYING IS THE RESPONSIBILITY OF THE CONTRACTOR.
- SIGNAL TIMING/TIMING ADJUSTMENTS REQUESTED BY THE RESIDENT ENGINEER SHALL BE ACCOMPLISHED WITHIN A 48 HOUR PERIOD. PAYMENT SHALL BE INCIDENTAL TO ITEM NO. 678.40 - TEMPORARY TRAFFIC SIGNAL SYSTEM. THE ALL-RED CLEARANCE INTERVAL IS BASED ON AN ASSUMED SPEED OF 10-20 MPH. THE RESIDENT ENGINEER SHALL MAKE SEVERAL TRIAL RUNS TO DETERMINE THE PROPER ALL-RED CLEARANCE INTERVAL.
- SIGNAL FACES SHALL CONSIST OF 12" FNSFS, (RFD, YELLOW, AND GREEN)
- THE BOTTOM OF THE HOUSING OF A SIGNAL FACE SUSPENDED OVER A ROADWAY SHALL NOT BE LESS THAN 16 1/2 FEET NOR MORE THAN 19 FEET ABOVE THE GRADE AT THE CENTER OF THE ROADWAY. THE BOTTOM OF A SIGNAL FACE NOT MOUNTED OVER A ROADWAY, SHALL NOT BE LESS THAN 8 FEET NOR MORE THAN 15 FEET ABOVE THE GROUND. CAUTION SHOULD BE USED TO INSURE COMPLIANCE WITH THE HEIGHT REQUIREMENTS IN THE EVENT THE NEW APPROACH GRADES DIFFER SIGNIFICANTLY FROM THE OLD ROAD GRADE.
- SIGNAL FACES FOR ANY ONE APPROACH SHALL NOT BE LESS THAN 8 FEET APART MEASURED HORIZONTALLY BETWEEN CENTER OF FACES.
- SIGNAL HEADS MAY BE HUNG ON A SPAN WIRE OR ON A CANTILEVER MAST ARM. AT LEAST ONE SIGNAL HEAD SHALL BE UNMISTAKABLY IN LINE WITH THE CENTER OF APPROACHING TRAFFIC AT ALL TIMES. THE SECOND SIGNAL HEAD MAY BE POST MOUNTED, LOCATED AT A DISTANCE NO GREATER THAN 1 1/2 FEET FROM THE CENTER OF THE APPROACH LANE WHEN THE STOP BAR IS 40 FEET FROM THE SIGNAL HEAD. CONSULT M.U.T.C.D. FOR ADDITIONAL INFORMATION CONCERNING SIGNAL PLACEMENT.
- SIGNAL HEAD PLACEMENT IS CRITICAL. HEADS SHALL BE ADJUSTED TO REFLECT LANE LOCATION CHANGES.
- NOT USED.
- WHEN USED, TEMPORARY DETECTOR SHALL BE 4' X 40' FOR PRESENCE DETECTION AT THE STOP BAR WITH THE NEAR PORTION LOCATED 5 FEET BEYOND THE STOP BAR.
- INTERVAL TIMING SHOWN IN SECONDS.
- INTERCONNECT BETWEEN SIGNAL POLES BY WHATEVER MEANS POSSIBLE OR CONVENIENT TO PROVIDE FOR A SAFE INSTALLATION.
- PLACE TEMPORARY POLES BEHIND GUARDRAIL WHERE POSSIBLE.
- POLES SUPPORTING SPAN WIRES AND/OR MAST ARMS SHALL BE ADEQUATELY BRACED OR GUYED AND SHALL NOT BE PLACED SO AS TO CREATE A HAZARD TO THE TRAVELING PUBLIC.
- NOT USED.
- STOP BARS SHALL BE LOCATED A MINIMUM 40' AND A MAXIMUM OF 120' FROM THE NEAREST SIGNAL HEAD.
- PAYMENT FOR THE VEHICLE DETECTORS SHALL BE UNDER ITEM NO 678.42 TEMPORARY DETECTOR FOR EACH UNIT INSTALLED.

- SIGNS AND POSTS AS SHOWN ON THIS SHEET AND NOTED BELOW ARE INCIDENTAL TO ITEM 678.40 - TEMPORARY TRAFFIC SIGNAL SYSTEM. THE TEMPORARY STOP BARS SHALL BE PAID FOR UNDER ITEM NO. 646.680 - TEMPORARY 24" STOP BAR.
- SEE STANDARD E-140 FOR "STOP HERE ON RED" SIGN DETAIL AND E-101 FOR "SIGNAL AHEAD" SYMBOL SIGN. SEE STANDARD E-121 FOR SIGN PLACEMENT. SEE STANDARD E-171A AND E-172 FOR ADDITIONAL INFORMATION ON SIGNALS AND DETECTORS.
- A "SIGNAL AHEAD" SIGN SHALL BE PLACED AT LEAST 500' FROM THE SIGNAL.
- ALL ELECTRICAL WORK SHALL MEET THE REQUIREMENTS OF THE NATIONAL ELECTRICAL CODE AND STATE INSPECTOR.
- TRAFFIC CONTROL WARNING SIGNS SHALL BE PROVIDED ON EACH APPROACH PER STANDARD E-107. ADDITIONAL PROJECT CONSTRUCTION SIGNS SHALL BE INSTALLED AS REQUIRED BY THE RESIDENT ENGINEER PER STANDARD E-100, E-101, E-102 & E-102A. PAYMENT FOR THESE SIGNS, THE REFLECTORIZED PLASTIC DRUMS, ETC., SHALL BE PAID UNDER ITEM NO. 641.0 - TRAFFIC CONTROL. ALL DIAMOND-SHAPED WARNING SIGNS SHALL BE 48" X 48" FABRICATED ON ASTM TYPE IX RETROREFLECTIVE ORANGE SHEETING AND INSTALLED ON 2 POSTS EACH. "SPEED LIMIT 40" AND "FINE DOUBLED FOR SPEEDING IN WORK ZONE" SIGNS SHALL BE 36" X 48" AND FABRICATED ON MINIMUM ASTM TYPE III SHEETING AND INSTALLED ON 2 POSTS EACH.
- THE "TO GET GREEN LIGHT" SIGN IS TO BE USED ONLY ON APPROACHES WITH TEMPORARY DETECTORS.
- PAYMENT FOR INSTALLING AND REMOVING THE TEMPORARY BARRIER SHALL BE INCIDENTAL TO ITEM NO. 621.90 TEMPORARY TRAFFIC BARRIER.
- WHEN TEMPORARY BARRIER IS USED, BARRIER ENDS FACING ONCOMING TRAFFIC SHALL BE TAPERED BEYOND THE CLEAR ZONE, OR PROTECTED WITH AN APPROVED END TREATMENT DESIGNED FOR THE 85TH PERCENTILE SPEED OR THE POSTED SPEED LIMIT OF THE ROADWAY.
- PAYMENT FOR INSTALLING AND REMOVING ENERGY ABSORPTION ATTENUATORS SHALL BE INCIDENTAL TO ITEM NO. 621.56 - ENERGY ABSORPTION ATTENUATOR. CONTRACTOR SHALL REFER TO VTRANS' APPROVED PRODUCTS LISTING FOR OPTIONS OF ENERGY ABSORPTION ATTENUATORS TO BE USED ON THE PROJECT.



PHASING DIAGRAM

PHASE				
MINIMUM EXTENSION				
MAXIMUM HEAD				

SPECIAL REQUIREMENTS

APPROACH	TEMPORARY VEHICLE DETECTOR	FLASHING BEACON ON ADVANCED WARNING SIGN

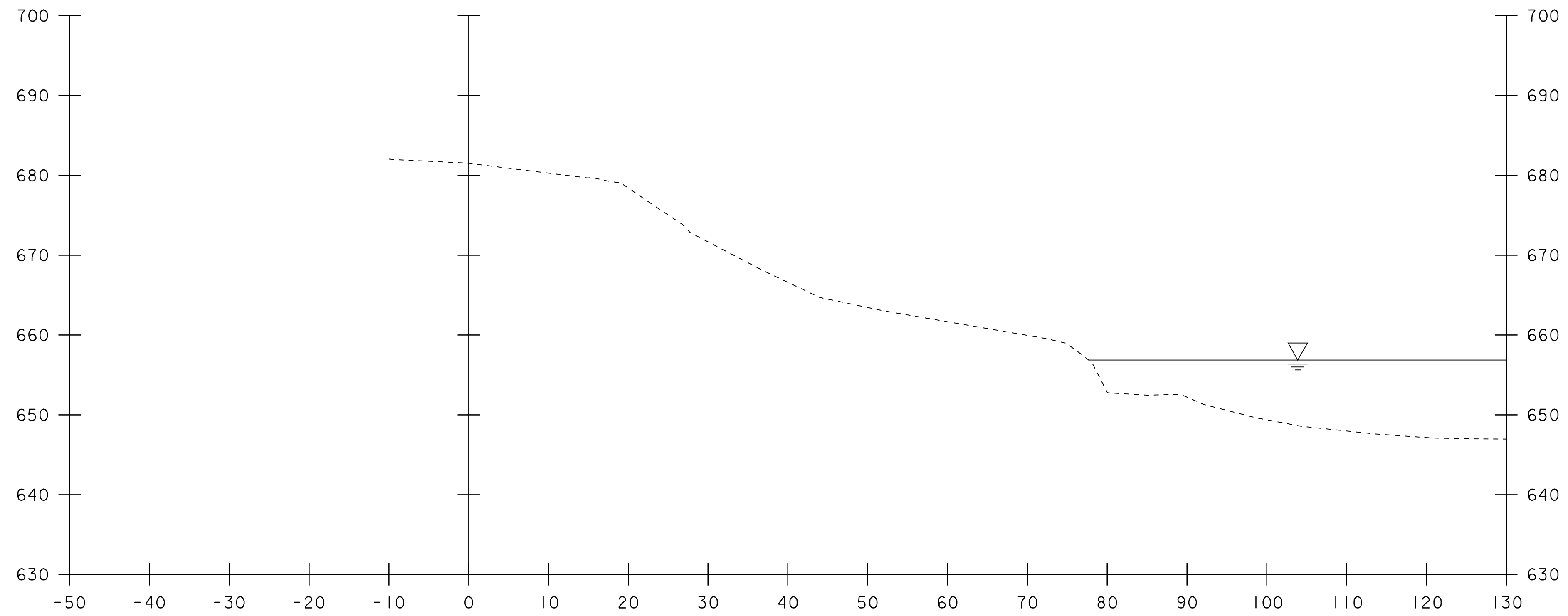
ENTER CHECK MARK IN APPROPRIATE BOX WHEN REQUIRED ON THIS PROJECT

PHASING SHALL BE DETERMINED BY ENGINEER AT THE TIME OF INSTALLATION OF TEMPORARY SIGNAL SYSTEM.

PROJECT NAME: WOLCOTT
 PROJECT NUMBER: STP 030-2(22)
 FILE NAME: d07b096bdr.dgn
 PROJECT LEADER: JLS
 DESIGNED BY: DLG/MBL
 TRAFFIC CONTROL DETAILS AND NOTES

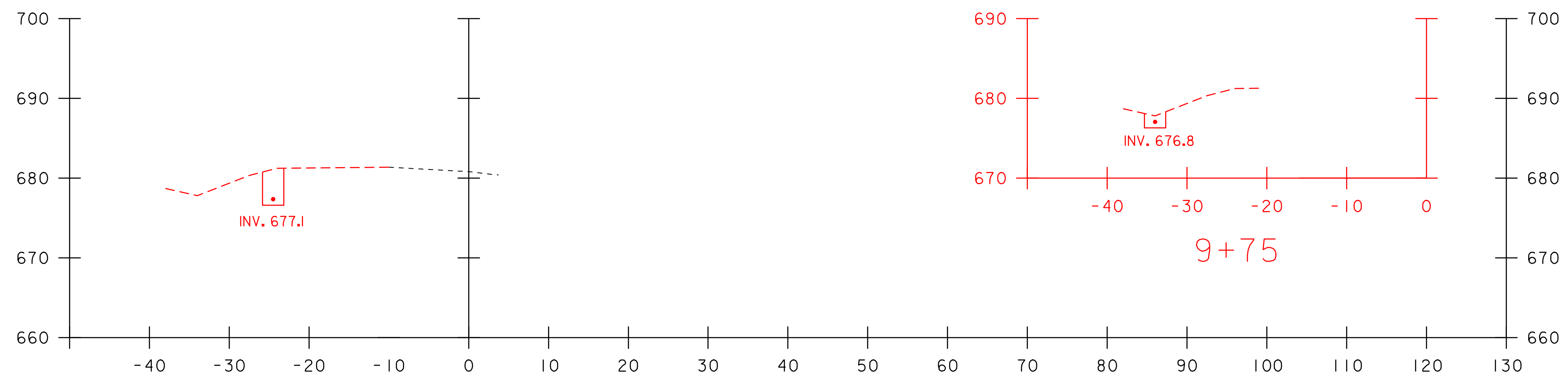
PLOT DATE: 11-SEP-2007
 DRAWN BY: MBL
 CHECKED BY: SDM
 SHEET 14 OF 22

BEGIN PROJECT
 STP 030-2 (22)
 STA. 10+47.23



10+25

9+75
 TRENCH EARTH EXC. 0' - 5' = 4.54 SF ✓
 CJJ 12-5-08
 SEH 12-22-08



10+00
 TRENCH EARTH EXC. 0' - 5' = 11.91 SF ✓
 CJJ 12-5-08
 SEH 12-22-08

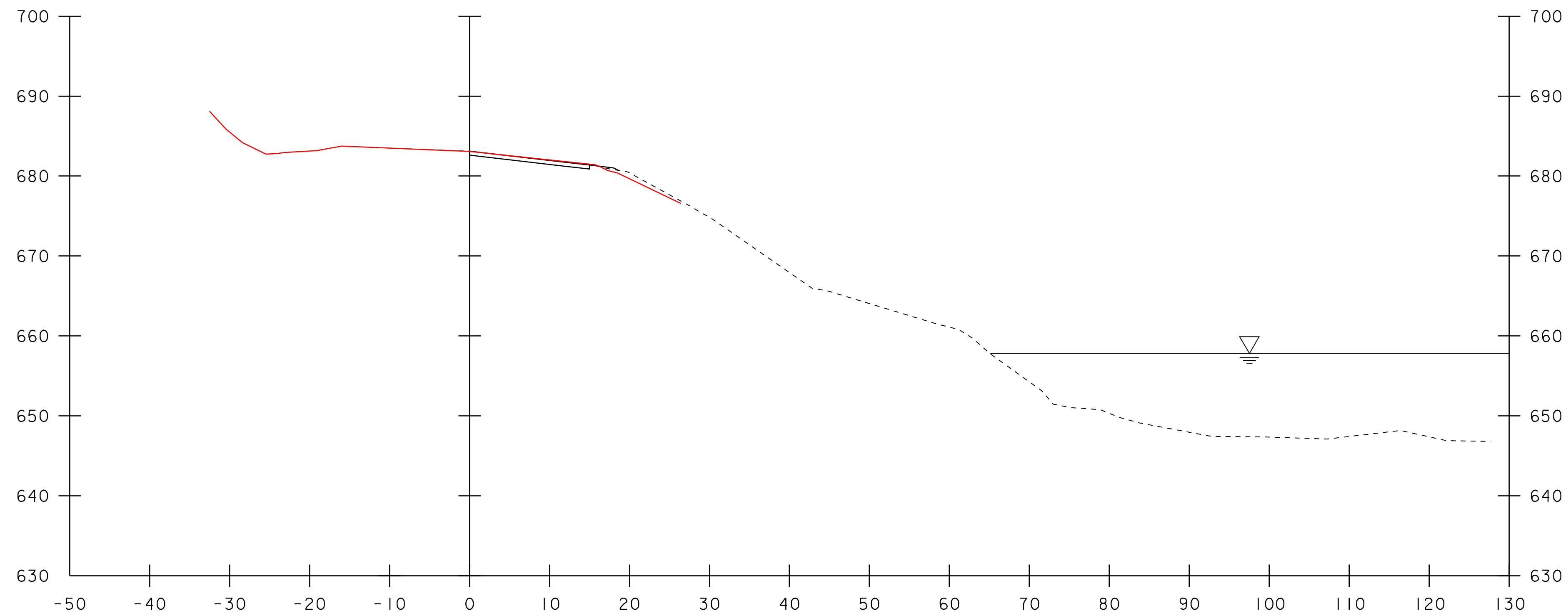
10+00

STA. 10+00 TO STA. 10+75

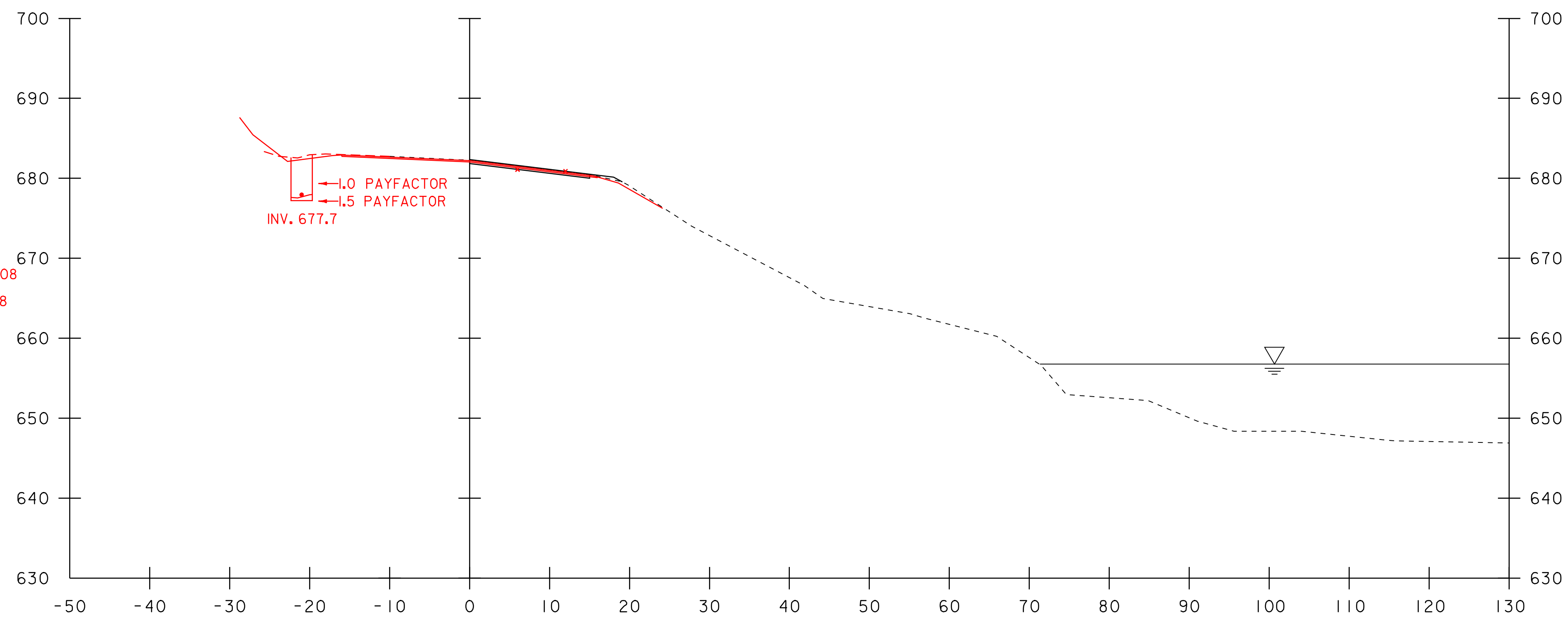
NOTE:
 WATER LEVEL ON CROSS SECTIONS ARE FOR REFERENCING PURPOSES ONLY.



PROJECT NAME: WOLCOTT	PLOT DATE: 26-AUG-2009 16:22
PROJECT NUMBER: STP 030-2(22)	DRAWN BY: MBL
FILE NAME: d07b096xsl.dgn	CHECKED BY: SDM
PROJECT LEADER: JLS	SHEET 15 OF 22
DESIGNED BY: DLG/MBL	
CROSS SECTIONS	



10+75



10+50

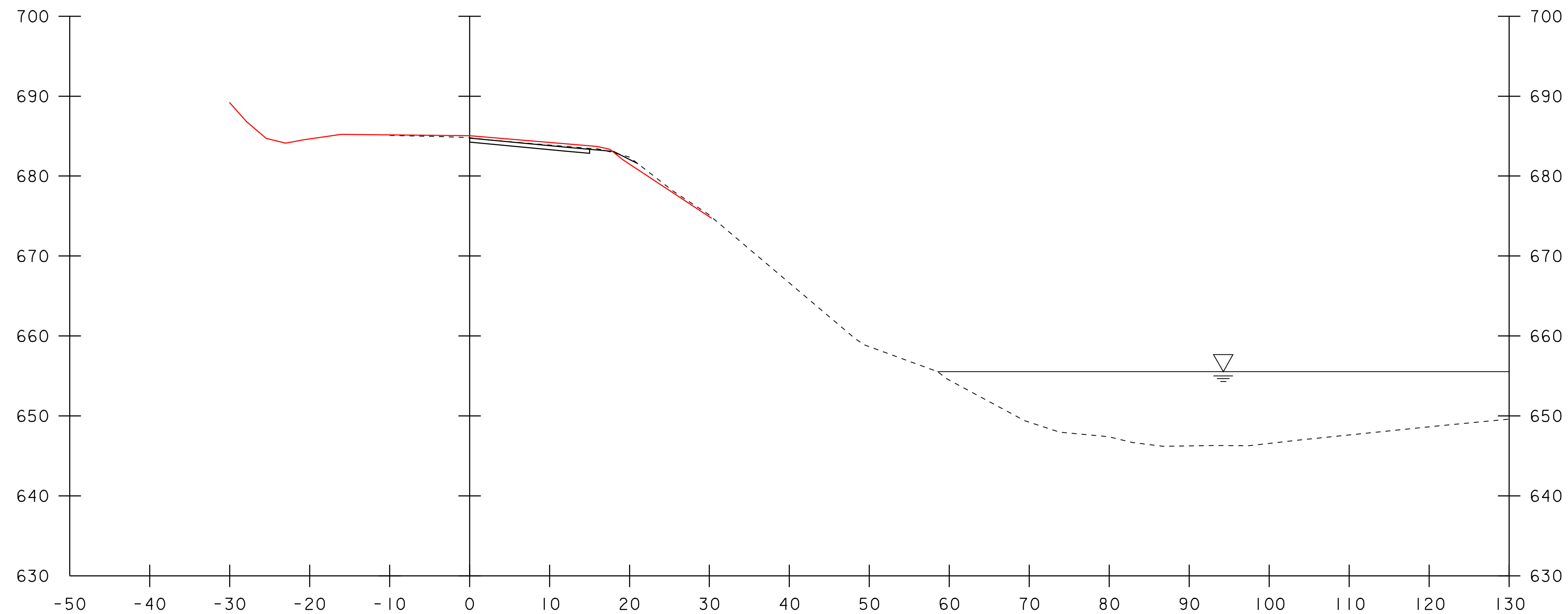
10+50
 COMMON EXC. = 0.40+0.96+2.25=3.61 SF ✓ SEH 12-17-08
 SUBBASE CR. GRVL. = 0 ✓ SEH 12-17-08
 TRENCH EARTH EXC. 0' - 5' = 13.33 SF ✓ SEH 12-22-08
 TRENCH EARTH EXC. 5' + = 1.37 SF ✓ SEH 12-22-08
 CJJ 12-5-08

STA. 10+00 TO STA. 10+75

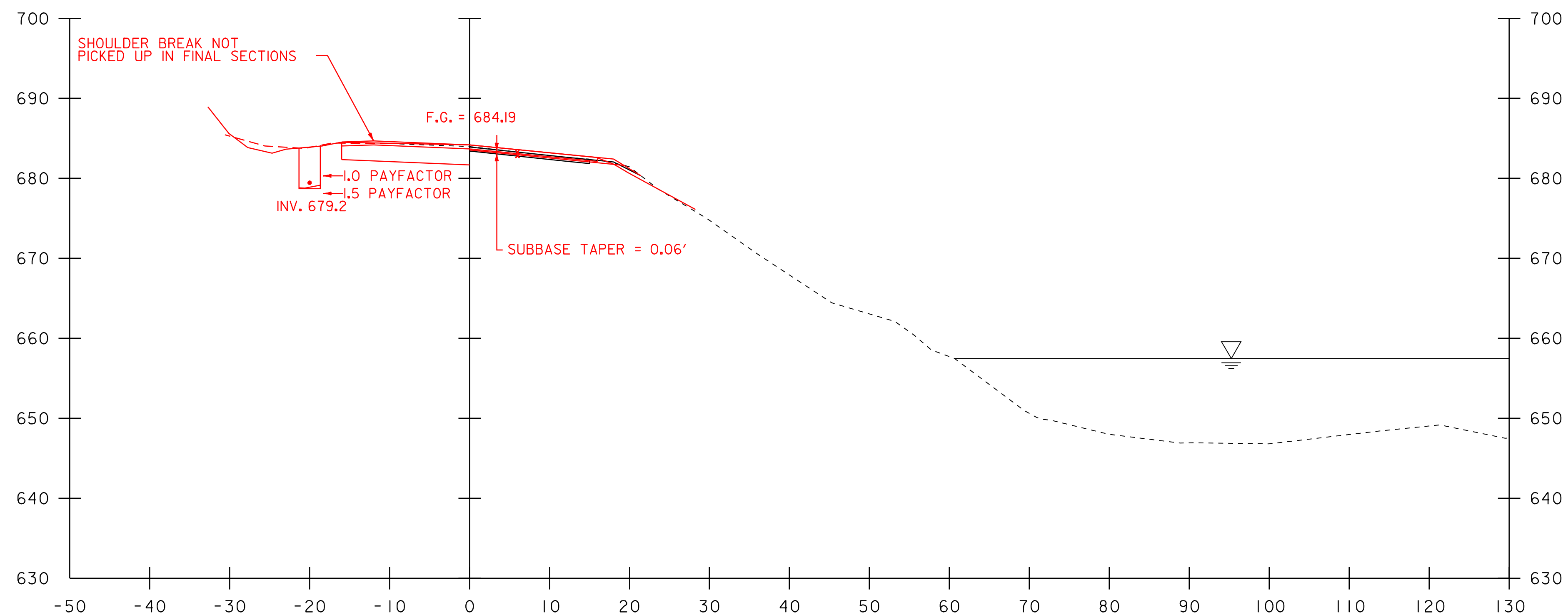
PROJECT NAME:	WOLCOTT	PLOT DATE:	26-AUG-2009 16:22
PROJECT NUMBER:	STP 030-2(22)	DRAWN BY:	MBL
FILE NAME:	d07b096xsl.dgn	DESIGNED BY:	DLG/MBL
CROSS SECTIONS		CHECKED BY:	SDM
		SHEET	15, 16 OF 22



NOTE:
 WATER LEVEL ON CROSS SECTIONS ARE FOR REFERENCING PURPOSES ONLY.



11+25



11+00

11+00
 COMMON EXC. = 4.22+0.22+41.93=46.37 SF ✓ SEH 12-17-08
 SUBBASE CR. GRVL. = 34.61 SF ✓ SEH 12-17-08
 TRENCH EARTH EXC. 0' - 5' = 13.33 SF ✓ SEH 12-22-08
 TRENCH EARTH EXC. 5' + = 0.54 SF ✓ SEH 12-22-08
 CJJ 12-5-08

11+00
 GEOTEXTILE FOR ROADBED SEPERATOR LT = 16.01LF ✓
 CJJ 12-8-08
 SEH 12-18-08

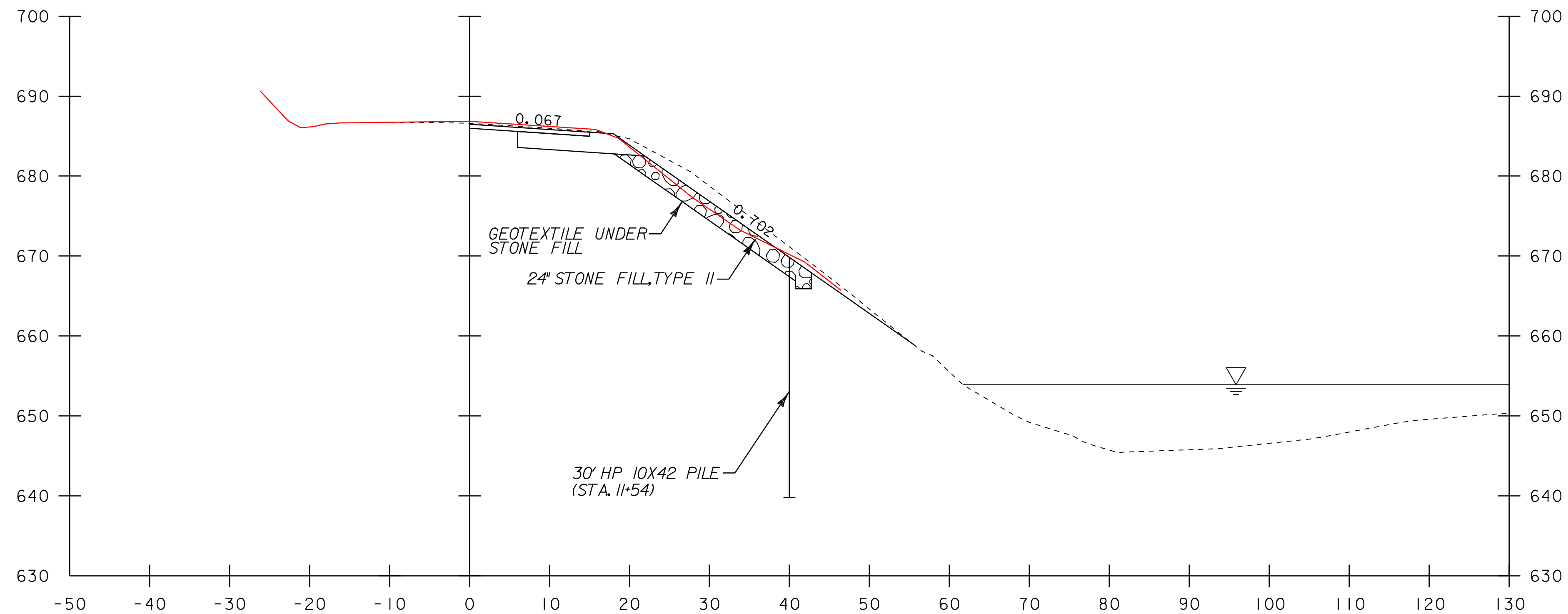
NOTE:
 SLOPES ARE RESULTANT BASED
 ON MAINTAINING CONSTRUCTION
 LIMITS ON THE EXISTING ROW
 STA. 11+00 TO STA. 11+75

BEGIN ROW "A"
 PILE INSTALLATION
 STA. 11+54.00

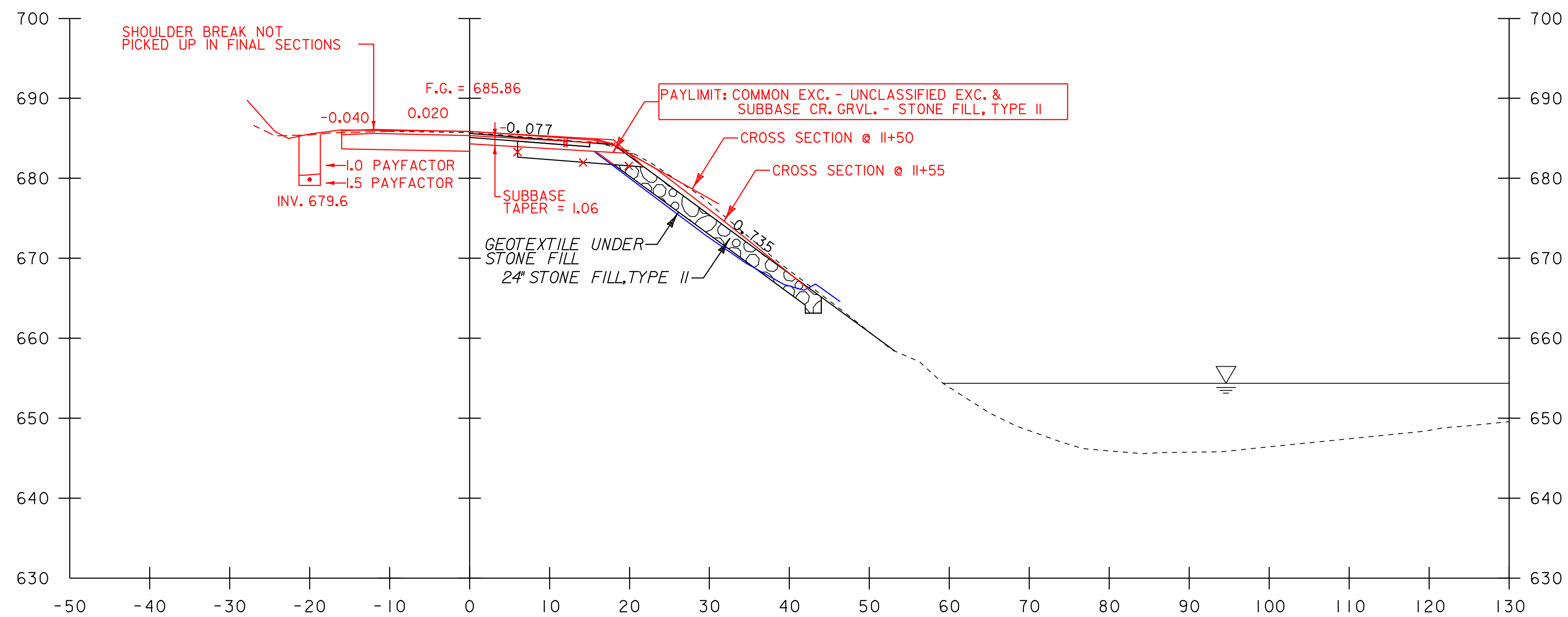


PROJECT NAME: WOLCOTT	PLOT DATE: 26-AUG-2009 16:22
PROJECT NUMBER: STP 030-2(22)	DRAWN BY: MBL
FILE NAME: d07b096xsl.dgn	DESIGNED BY: DLG/MBL
CROSS SECTIONS	CHECKED BY: SDM
	SHEET 16 OF 22

NOTE:
 WATER LEVEL ON CROSS SECTIONS ARE FOR REFERENCING PURPOSES ONLY.



11+75



BEGIN ROW "A"
PILE INSTALLATION
STA. 11+54.00

11+50

11+50
COMMON EXC. = 0.44+59.27=59.71 SF ✓ SEH 12-17-08
SUBBASE CR. GRVL. = 0.81+51.66=52.47 SF ✓ SEH 12-17-08
TRENCH EARTH EXC. 0' - 5' = 13.33 SF ✓ SEH 12-22-08
TRENCH EARTH EXC. 5'+ = 3.58 SF ✓ SEH 12-22-08

CJJ 12-5-08

11+50
GEOTEXTILE FOR ROADBED SEPERATOR LT = 16.01 FT ✓
GEOTEXTILE FOR ROADBED SEPERATOR RT = 19.92 FT ✓

CJJ 12-8-08
SEH 12-18-08

NOTE:
SLOPES ARE RESULTANT BASED
ON MAINTAINING CONSTRUCTION
LIMITS ON THE EXISTING ROW

STA. 11+00 TO STA. 11+75

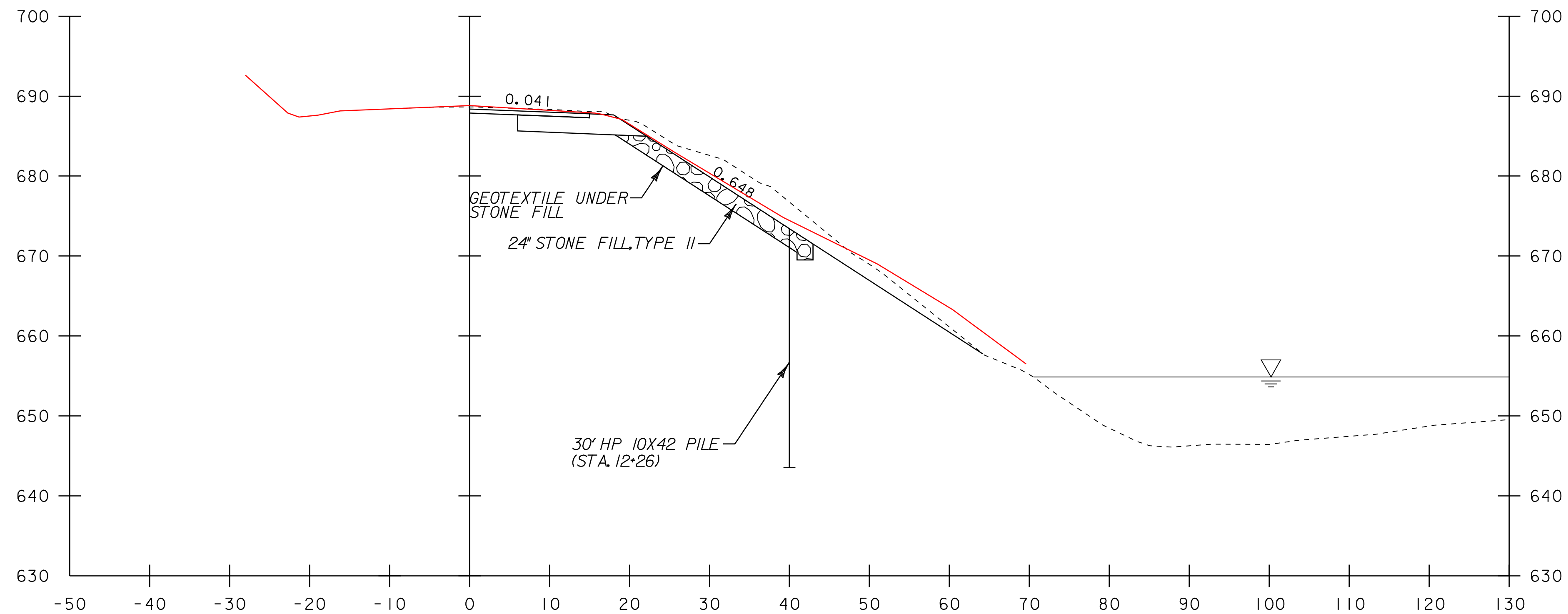
PROJECT NAME: WOLCOTT
PROJECT NUMBER: STP 030-2(22)

FILE NAME: d07b096xsl.dgn
PROJECT LEADER: JLS
DESIGNED BY: DLG/MBL
CROSS SECTIONS

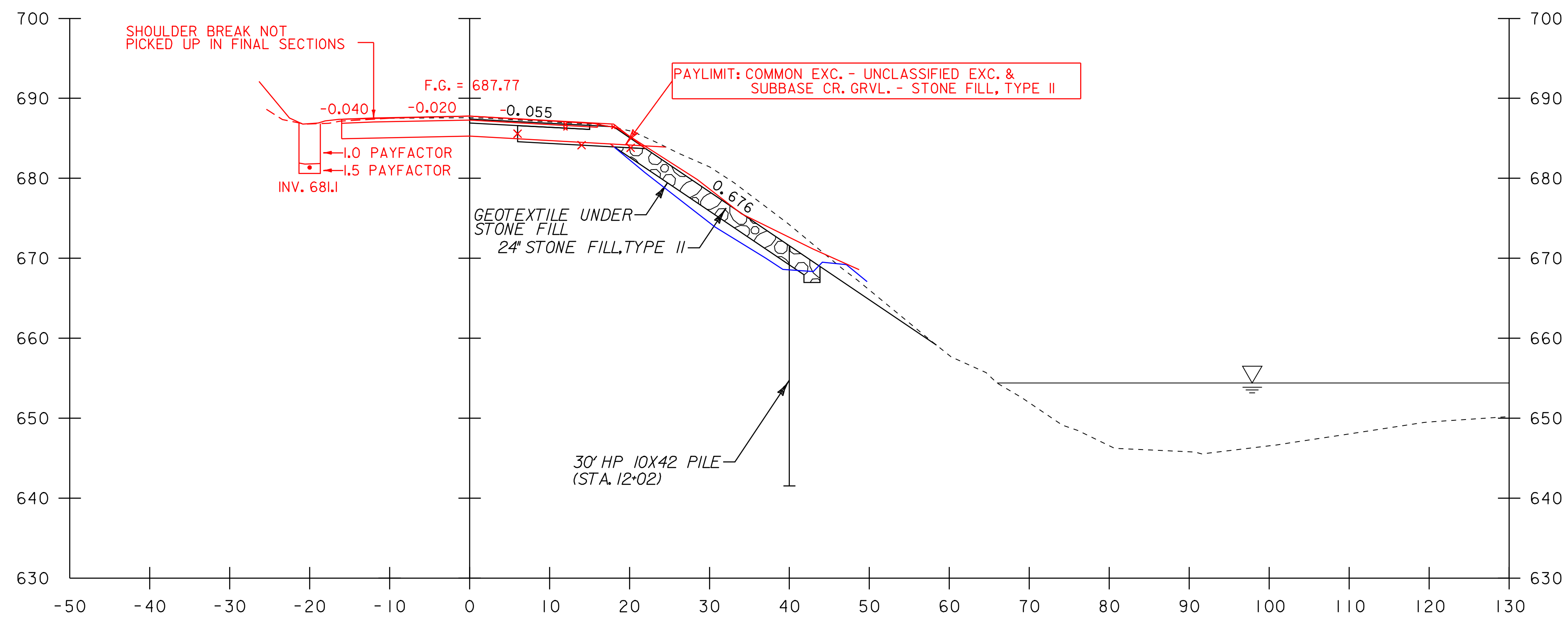
PLOT DATE: 26-AUG-2009 16:22
DRAWN BY: MBL
CHECKED BY: SDM
SHEET 16.18 OF 22



NOTE:
WATER LEVEL ON CROSS SECTIONS ARE FOR REFERENCING PURPOSES ONLY.



12+25



12+00

12+00
 COMMON EXC. = 87.81 SF ✓ SEH 12-17-08
 SUBBASE CR. GRVL. = 0.83+72.48=73.31 SF ✓ SEH 12-17-08
 TRENCH EARTH EXC. 0'-5' = 13.33 SF ✓ SEH 12-22-08
 TRENCH EARTH EXC. 5'+ = 3.27 SF ✓ SEH 12-22-08
 CJJ 12-5-08

12+00
 GEOTEXTILE FOR ROADBED SEPERATOR LT = 16.00 FT ✓
 GEOTEXTILE FOR ROADBED SEPERATOR RT = 21.56 FT ✓
 CJJ 12-8-08
 SEH 12-18-08

SHOULDER BREAK NOT PICKED UP IN FINAL SECTIONS
 F.G. = 687.77
 PAYLIMIT: COMMON EXC. - UNCLASSIFIED EXC. & SUBBASE CR. GRVL. - STONE FILL, TYPE II

BEGIN LANE & SHOULDER RECONSTRUCTION STA. 11+97.23

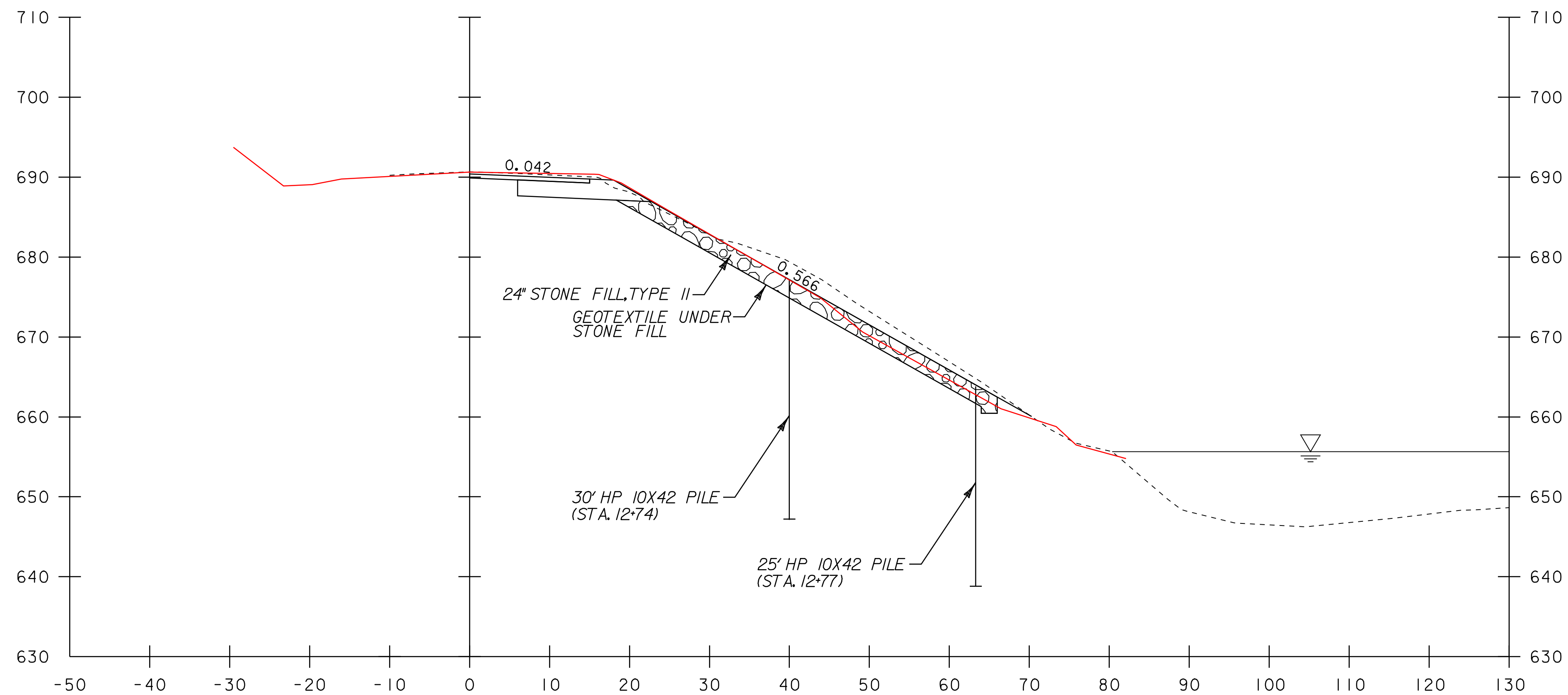
NOTE: WATER LEVEL ON CROSS SECTIONS ARE FOR REFERENCING PURPOSES ONLY.



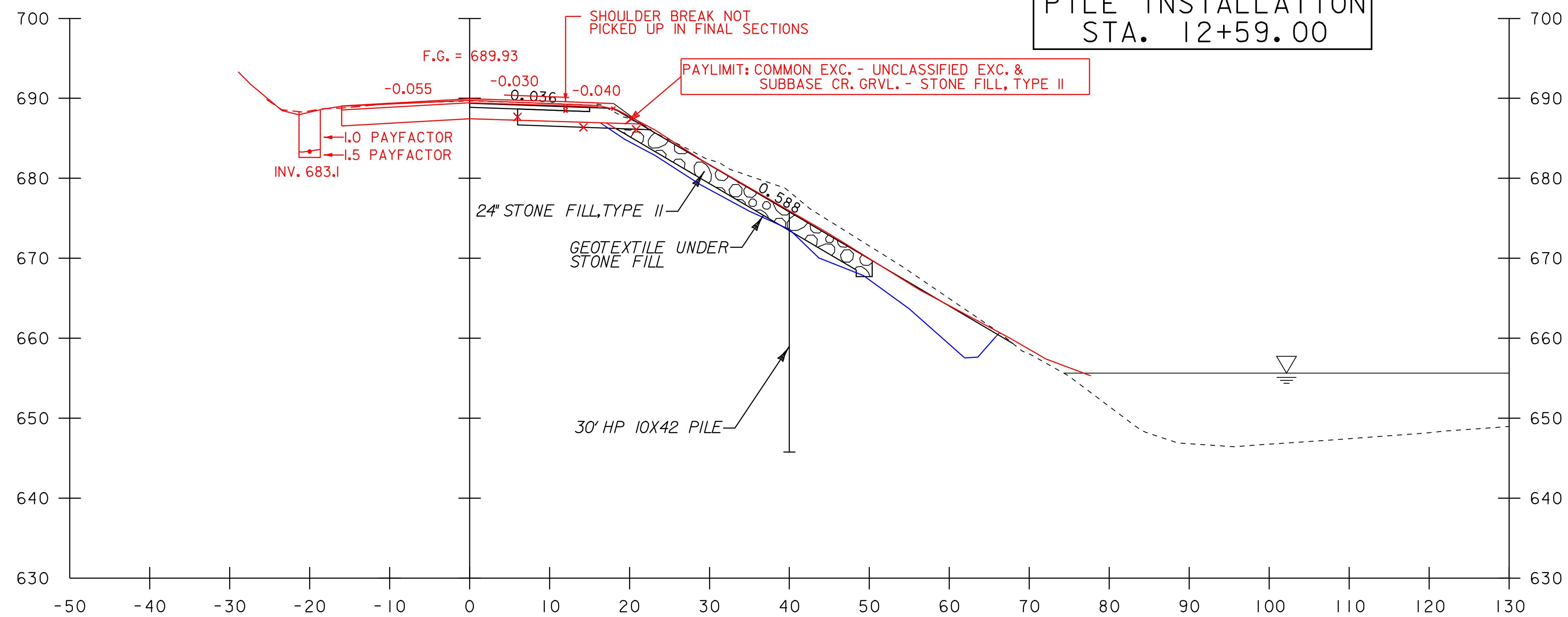
NOTE: SLOPES ARE RESULTANT BASED ON MAINTAINING CONSTRUCTION LIMITS ON THE EXISTING ROW

STA. 12+00 TO STA. 12+75

PROJECT NAME: WOLCOTT	PLOT DATE: 26-AUG-2009 16:22
PROJECT NUMBER: STP 030-2(22)	DRAWN BY: MBL
FILE NAME: d07b096xsl.dgn	CHECKED BY: SDM
PROJECT LEADER: JLS	CROSS SECTIONS
DESIGNED BY: DLG/MBL	SHEET 17 OF 22



12+75
 BEGIN ROW "B"
 PILE INSTALLATION
 STA. 12+59.00



12+50

12+50
 COMMON EXC. = 0.51+79.63+0.02=80.15 SF ✓ SEH 12-17-08
 SUBBASE CR. GRVL. = 71.35+0.22=71.57 SF ✓ SEH 12-17-08
 TRENCH EARTH EXC. 0' - 5' = 13.33 SF ✓ SEH 12-22-08
 TRENCH EARTH EXC. 5' + = 2.20 SF ✓ SEH 12-22-08
 CJJ 12-5-08

12+50
 GEOTEXTILE FOR ROADBED SEPERATOR LT = 16.02 FT ✓
 GEOTEXTILE FOR ROADBED SEPERATOR RT = 21.53 FT ✓
 CJJ 12-8-08
 SEH 12-18-08

BEGIN LANE & SHOULDER
 RECONSTRUCTION
 STA. 11+97.23

NOTE:
 SLOPES ARE RESULTANT BASED
 ON MAINTAINING CONSTRUCTION
 LIMITS ON THE EXISTING ROW

STA. 12+00 TO STA. 12+75

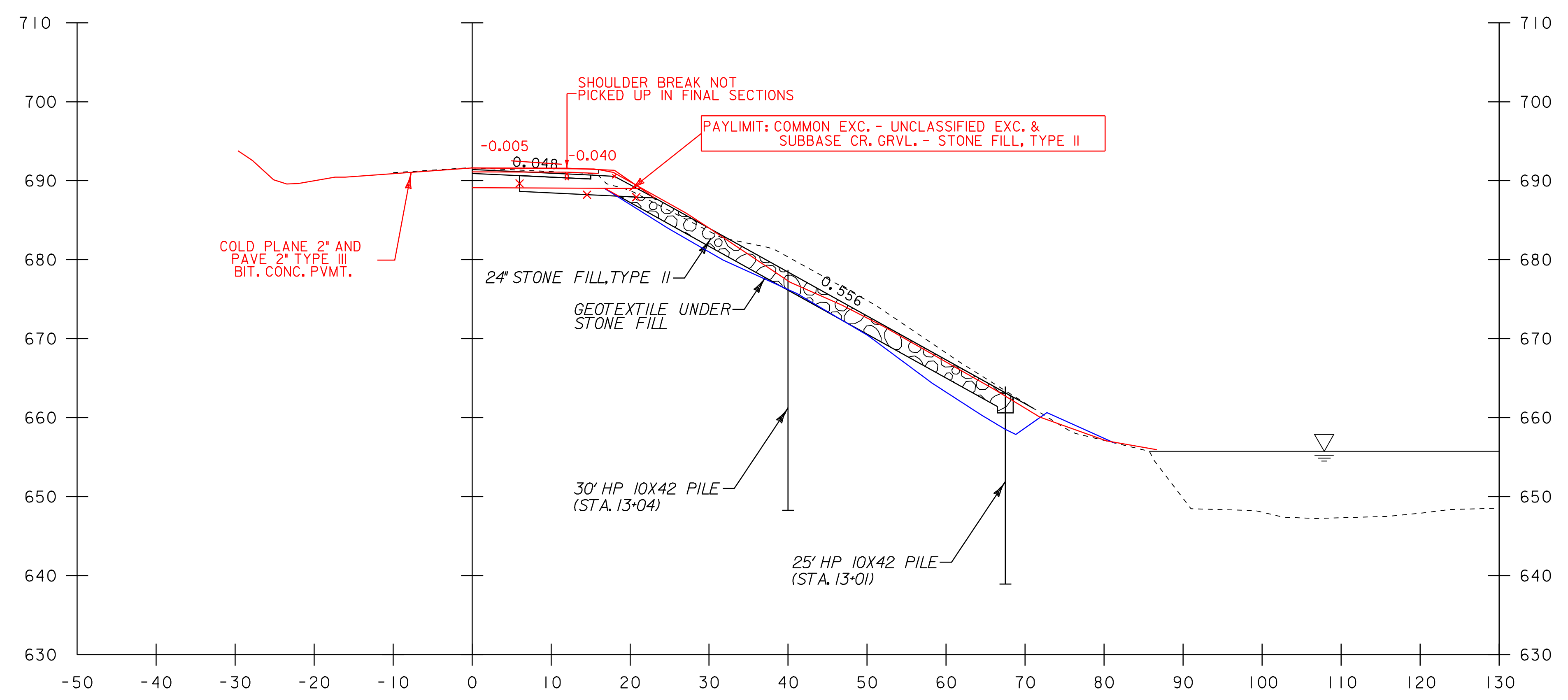
PROJECT NAME: WOLCOTT
 PROJECT NUMBER: STP 030-2(22)

FILE NAME: d07b096xsl.dgn
 PROJECT LEADER: JLS
 DESIGNED BY: DLG/MBL
 CROSS SECTIONS

PLOT DATE: 26-AUG-2009 16:22
 DRAWN BY: MBL
 CHECKED BY: SDM
 SHEET 17 200F 22



NOTE:
 WATER LEVEL ON CROSS SECTIONS ARE FOR REFERENCING PURPOSES ONLY.



13+00
 COMMON EXC. = 36.05 SF ✓ SEH 12-17-08
 SUBBASE CR. GRVL. = 39.43 SF ✓ SEH 12-17-08
 CJJ 12-5-08

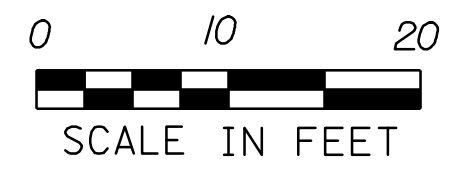
 13+00
 GEOTEXTILE FOR ROADBED SEPERATOR RT = 21.35 FT ✓
 CJJ 12-8-08
 SEH 12-18-08

NOTE:
 SLOPES ARE RESULTANT BASED
 ON MAINTAINING CONSTRUCTION
 LIMITS ON THE EXISTING ROW

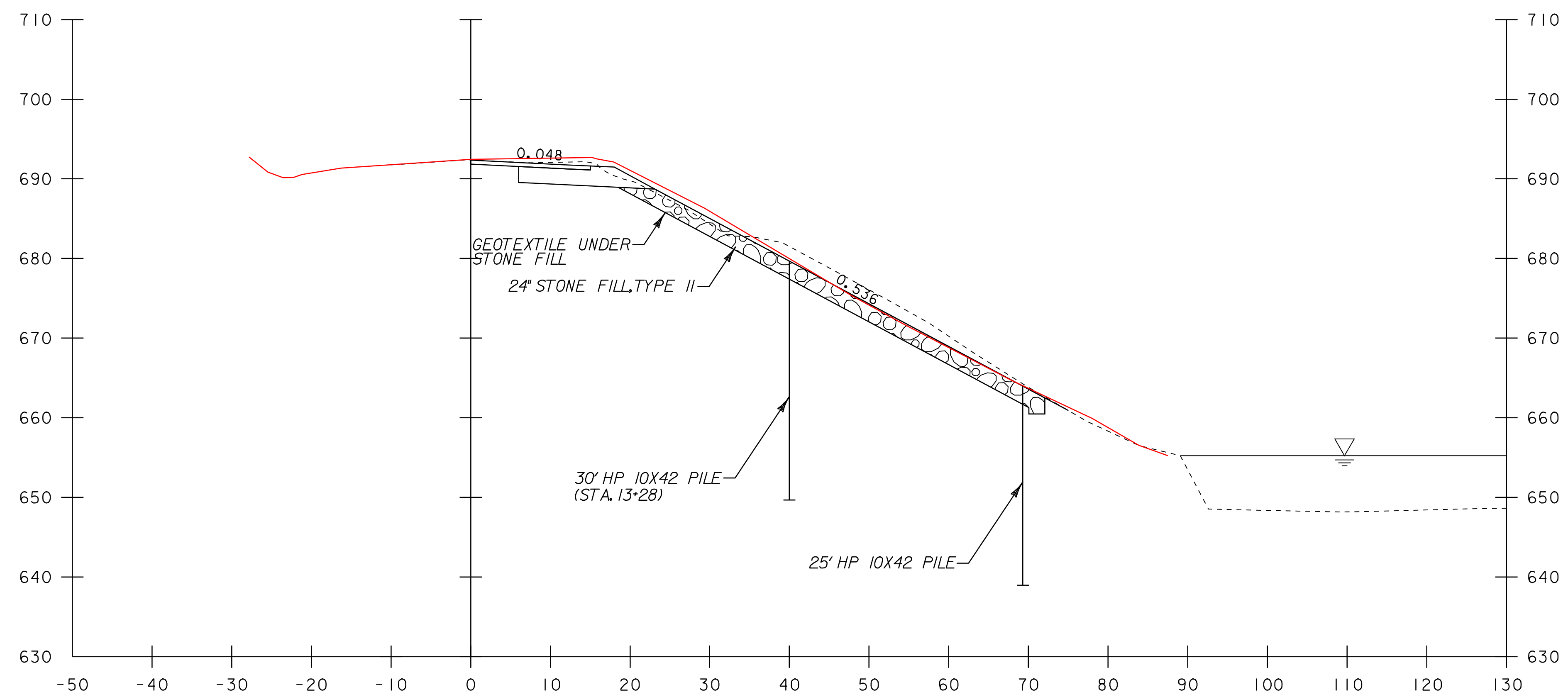
~~STA. 13+00 TO STA. 13+25~~

13+00

NOTE:
 WATER LEVEL ON CROSS SECTIONS ARE FOR REFERENCING PURPOSES ONLY.



PROJECT NAME:	WOLCOTT	PLOT DATE:	26-AUG-2009 16:22
PROJECT NUMBER:	STP 030-2(22)	DRAWN BY:	MBL
FILE NAME:	d07b096xsl.dgn	DESIGNED BY:	DLG/MBL
CROSS SECTIONS		CHECKED BY:	SDM
		SHEET	18 OF 22



13+25

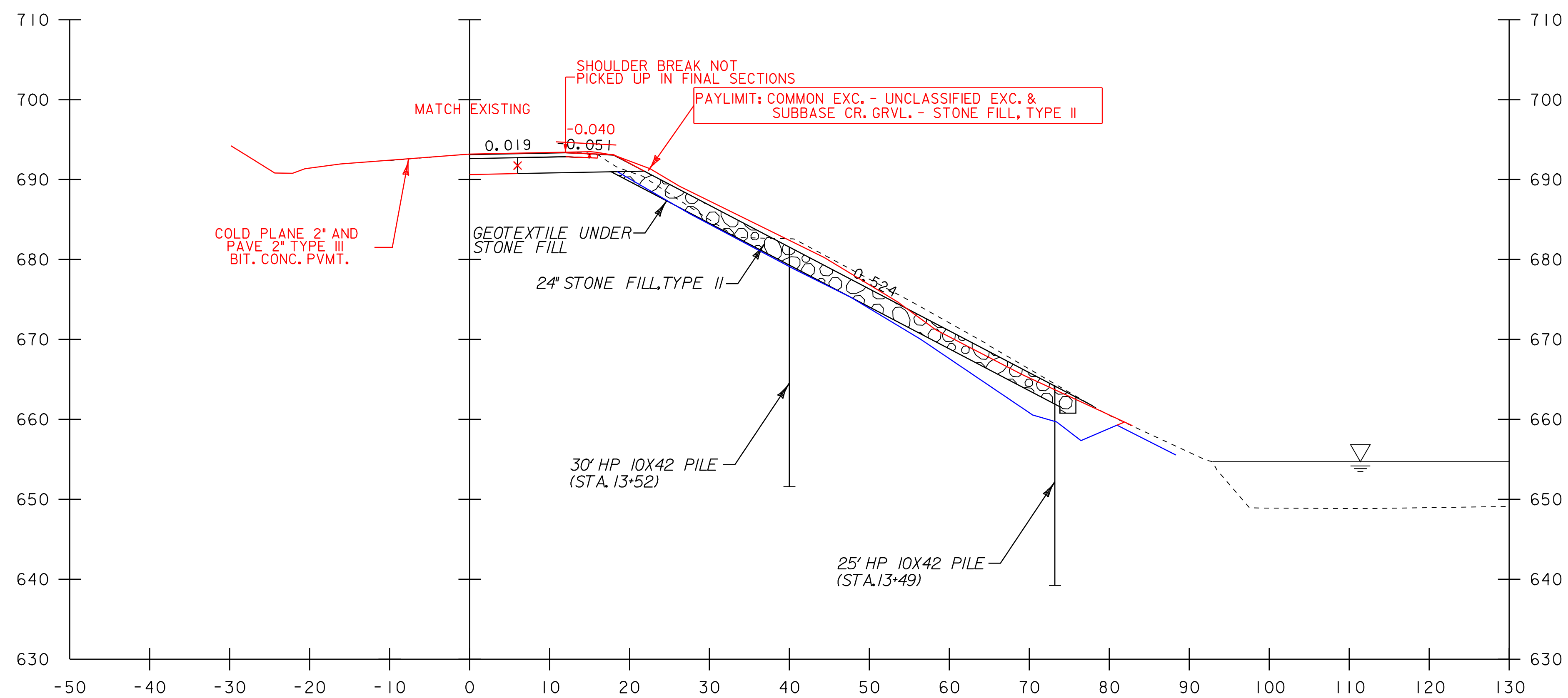
NOTE:
SLOPES ARE RESULTANT BASED
ON MAINTAINING CONSTRUCTION
LIMITS ON THE EXISTING ROW

STA. 13+00 TO STA. 13+25

PROJECT NAME:	WOLCOTT	FILE NAME:	d07b096xsl.dgn	PLOT DATE:	26-AUG-2009 16:22
PROJECT NUMBER:	STP 030-2(22)	PROJECT LEADER:	JLS	DRAWN BY:	MBL
		DESIGNED BY:	DLG/MBL	CHECKED BY:	SDM
		CROSS SECTIONS		SHEET	18 OF 22



NOTE:
WATER LEVEL ON CROSS SECTIONS ARE FOR REFERENCING PURPOSES ONLY.



13+50
 COMMON EXC. = 43.75 SF ✓ SEH 12-17-08
 SUBBASE CR. GRVL. = 39.97 SF ✓ SEH 12-17-08
 CJJ 12-5-08

13+50
 GEOTEXTILE FOR ROADBED SEPERATOR RT = 21.84 FT ✓
 CJJ 12-8-08
 SEH 12-18-08

NOTE:
 SLOPES ARE RESULTANT BASED
 ON MAINTAINING CONSTRUCTION
 LIMITS ON THE EXISTING ROW

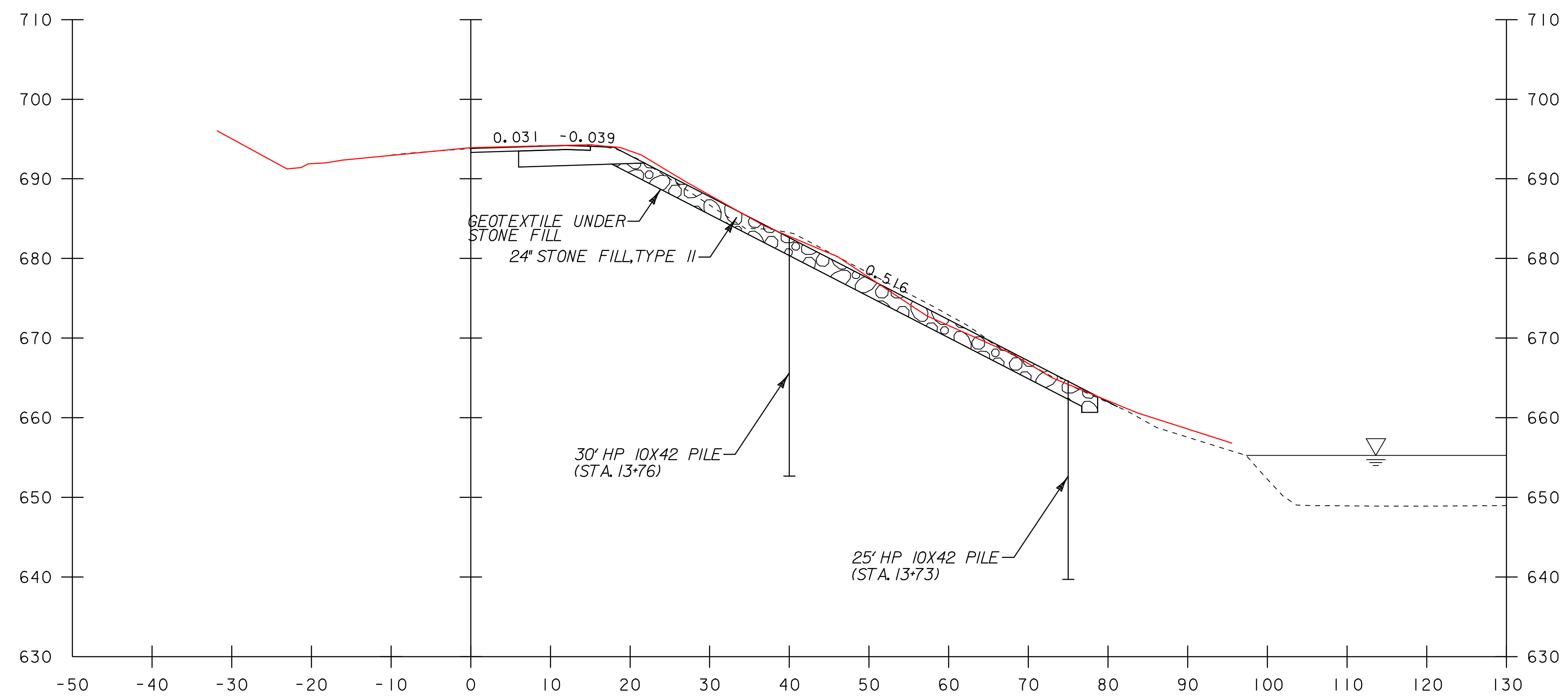
~~STA. 13+50 TO STA. 13+75~~

13+50

NOTE:
 WATER LEVEL ON CROSS SECTIONS ARE FOR REFERENCING PURPOSES ONLY.



PROJECT NAME:	WOLCOTT	FILE NAME:	d07b096xsl.dgn	PLOT DATE:	26-AUG-2009 16:22
PROJECT NUMBER:	STP 030-2(22)	PROJECT LEADER:	JLS	DRAWN BY:	MBL
		DESIGNED BY:	DLG/MBL	CHECKED BY:	SDM
		CROSS SECTIONS		SHEET	19 OF 22



13+75

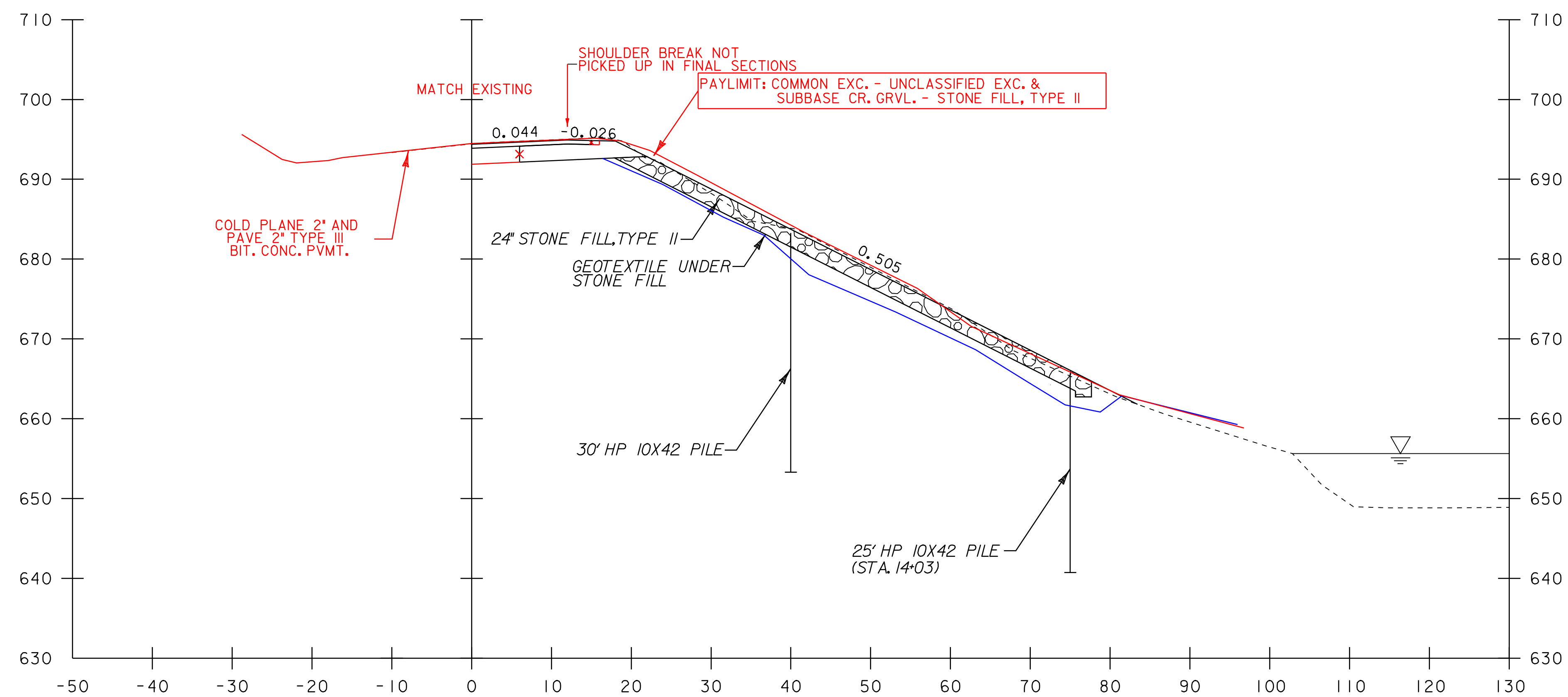
NOTE:
SLOPES ARE RESULTANT BASED
ON MAINTAINING CONSTRUCTION
LIMITS ON THE EXISTING ROW

~~STA. 13+50 TO STA. 13+75~~

PROJECT NAME:	WOLCOTT	FILE NAME:	d07b096xsl.dgn	PLOT DATE:	26-AUG-2009 16:22
PROJECT NUMBER:	STP 030-2(22)	PROJECT LEADER:	JLS	DRAWN BY:	MBL
		DESIGNED BY:	DLG/MBL	CHECKED BY:	SDM
		CROSS SECTIONS		SHEET	19.24 OF 22



NOTE:
WATER LEVEL ON CROSS SECTIONS ARE FOR REFERENCING PURPOSES ONLY.



14+00
 COMMON EXC. = 51.52 SF ✓ SEH 12-17-08
 SUBBASE CR. GRVL. = 39.87 SF ✓ SEH 12-17-08
 CJJ 12-5-08

14+00
 GEOTEXTILE FOR ROADBED SEPERATOR RT = 21.97 LF ✓
 CJJ 12-8-08
 SEH 12-18-08

NOTE:
 SLOPES ARE RESULTANT BASED
 ON MAINTAINING CONSTRUCTION
 LIMITS ON THE EXISTING ROW

— STA. 14+00 TO STA. 14+25

14+00

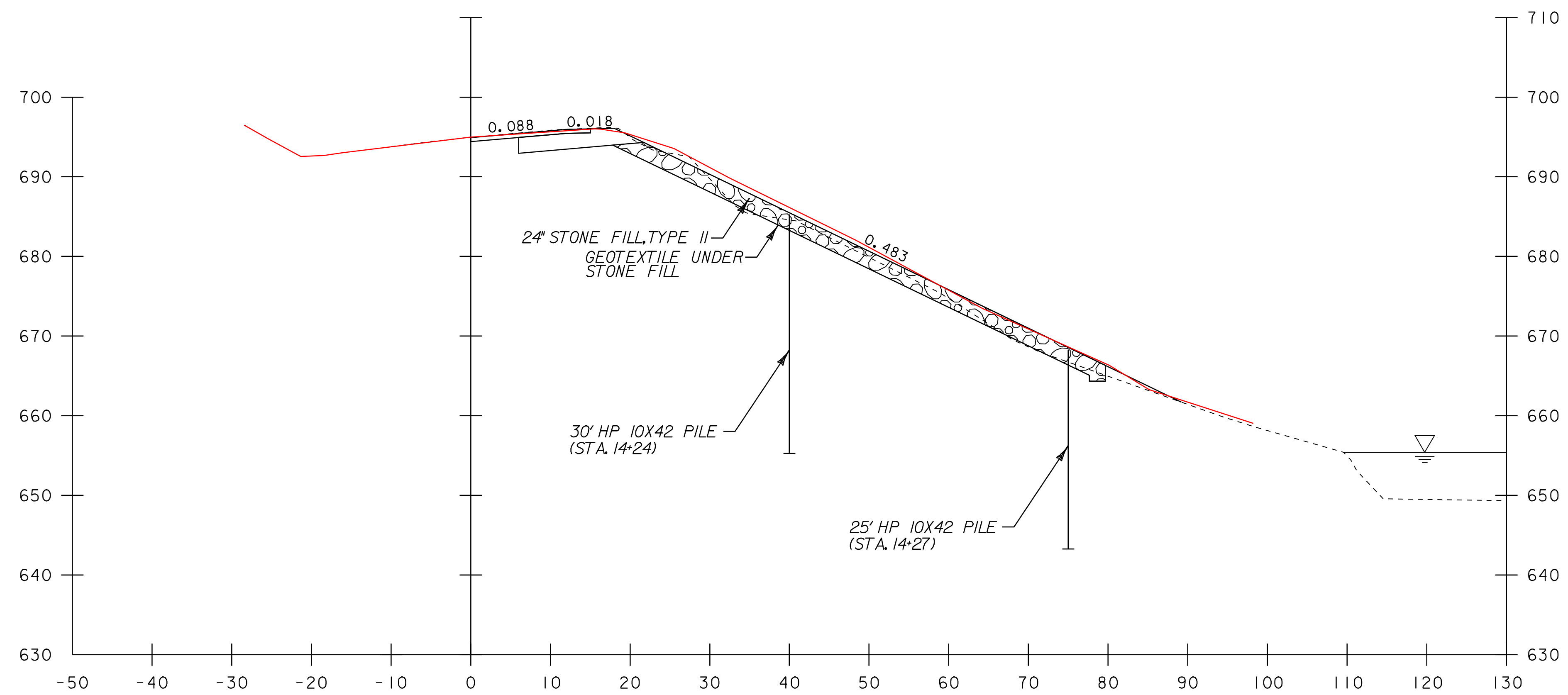
NOTE:
 WATER LEVEL ON CROSS SECTIONS ARE FOR REFERENCING PURPOSES ONLY.



PROJECT NAME: WOLCOTT
 PROJECT NUMBER: STP 030-2(22)

FILE NAME: d07b096xsl.dgn
 PROJECT LEADER: JLS
 DESIGNED BY: DLG/MBL
 CROSS SECTIONS

PLOT DATE: 26-AUG-2009 16:22
 DRAWN BY: MBL
 CHECKED BY: SDM
 SHEET 20 OF 22



14+25

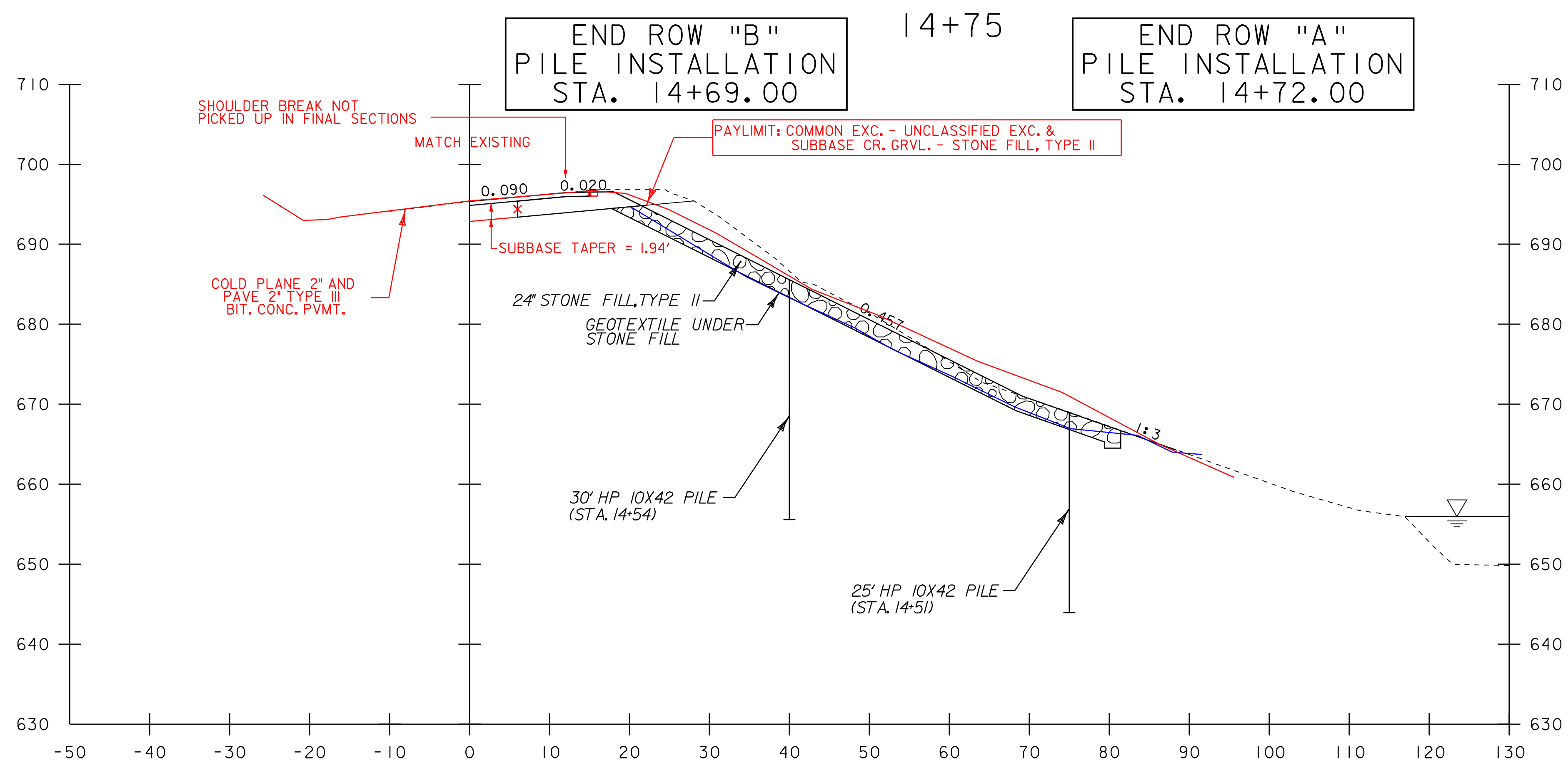
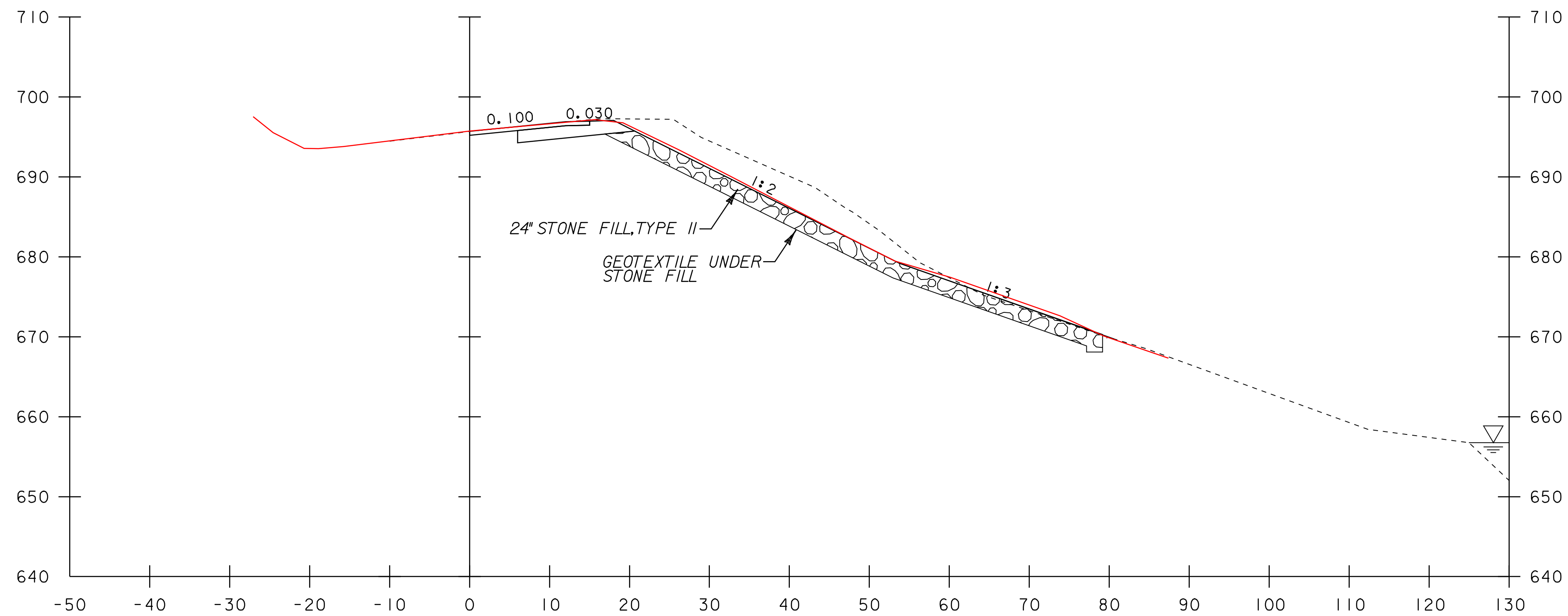
NOTE:
SLOPES ARE RESULTANT BASED
ON MAINTAINING CONSTRUCTION
LIMITS ON THE EXISTING ROW

STA. 14+00 TO STA. 14+25

PROJECT NAME:	WOLCOTT	PLOT DATE:	26-AUG-2009 16:22
PROJECT NUMBER:	STP 030-2(22)	DRAWN BY:	MBL
FILE NAME:	d07b096xsl.dgn	DESIGNED BY:	DLG/MBL
CROSS SECTIONS		CHECKED BY:	SDM
		SHEET	20.26 OF 22



NOTE:
WATER LEVEL ON CROSS SECTIONS ARE FOR REFERENCING PURPOSES ONLY.



14+50
 COMMON EXC. = 60.84 SF ✓ SEH 12-17-08
 SUBBASE CR. GRVL. = 39.22 SF ✓ SEH 12-17-08
 CJJ 12-5-08

14+50
 GEOTEXTILE FOR ROADBED SEPERATOR RT = 21.60 FT ✓
 CJJ 12-8-08
 SEH 12-18-08

END LANE & SHOULDER
 RECONSTRUCTION
 STA. 14+47.18

NOTE:
 WATER LEVEL ON CROSS SECTIONS ARE FOR REFERENCING PURPOSES ONLY.



PROJECT NAME: WOLCOTT
 PROJECT NUMBER: STP 030-2(22)

FILE NAME: d07b096xsl.dgn
 PROJECT LEADER: JLS
 DESIGNED BY: DLG/MBL
 CROSS SECTIONS

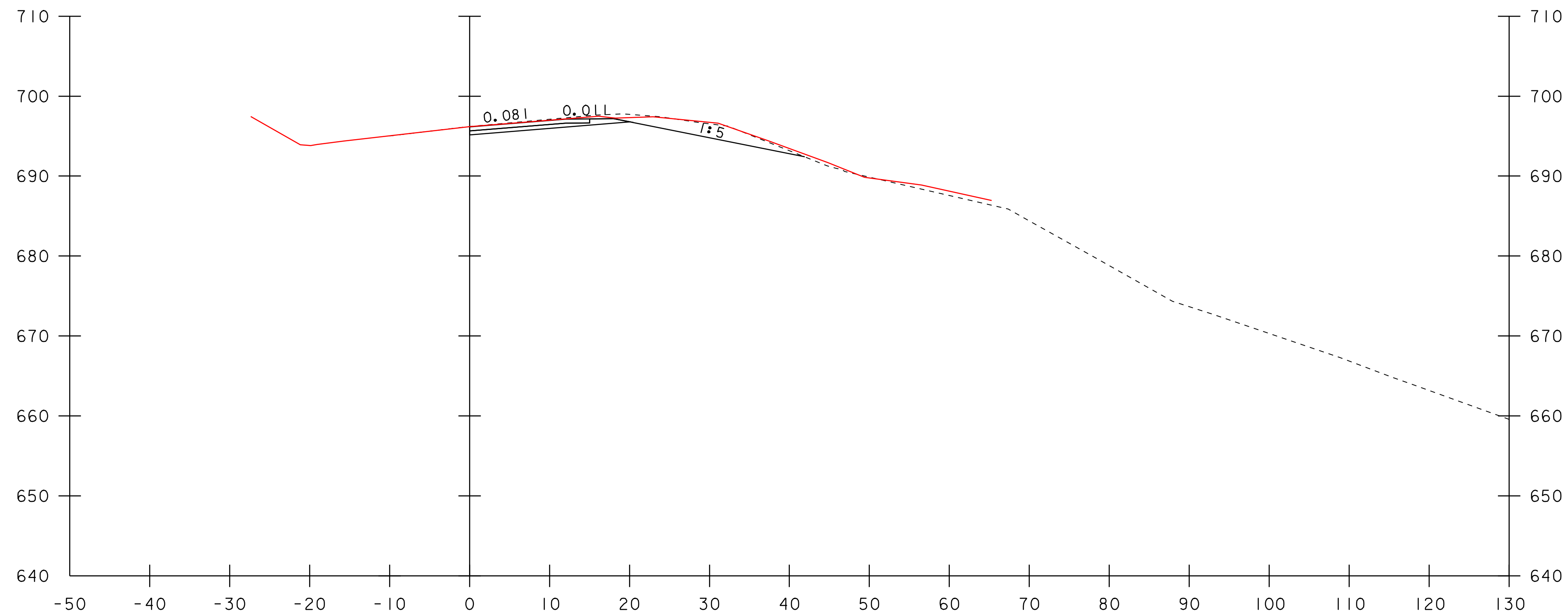
NOTE:
 SLOPES ARE RESULTANT BASED
 ON MAINTAINING CONSTRUCTION
 LIMITS ON THE EXISTING ROW

STA. 14+50 TO STA. 15+25

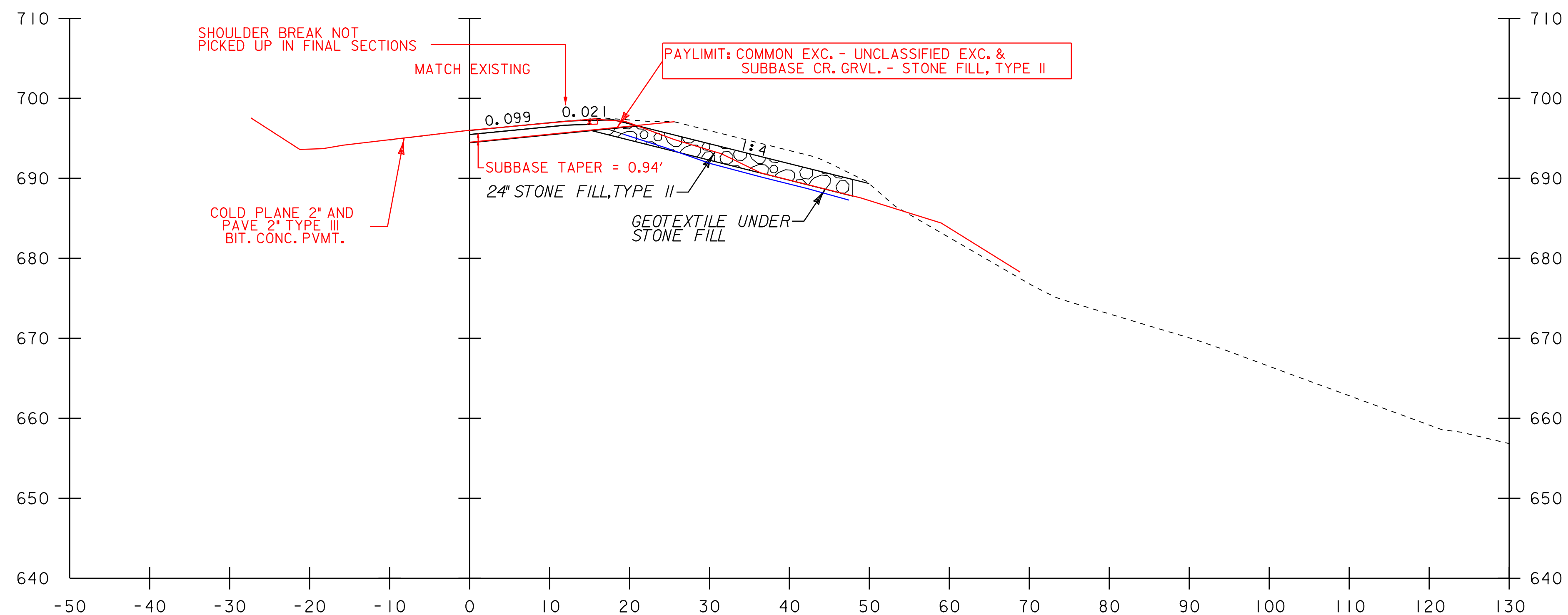
PLOT DATE: 26-AUG-2009 16:22
 DRAWN BY: MBL
 CHECKED BY: SDM
 SHEET 21 OF 22

RIVER = 143.04' RT

RIVER = 131.20' RT



15+25



15+00

15+00
COMMON EXC. = 29.40 SF ✓ SEH 12-17-08
SUBBASE CR. GRVL. = 18.04 SF ✓ SEH 12-17-08
CJJ 12-5-08

15+00
GEOTEXTILE FOR ROADBED SEPERATOR RT = 20.99 FT ✓
CJJ 12-8-08
SEH 12-18-08

END LANE & SHOULDER
RECONSTRUCTION
STA. 14+47.18

NOTE:
WATER LEVEL ON CROSS SECTIONS ARE FOR REFERENCING PURPOSES ONLY.



PROJECT NAME: WOLCOTT
PROJECT NUMBER: STP 030-2(22)

FILE NAME: d07b096xsl.dgn
PROJECT LEADER: JLS
DESIGNED BY: DLG/MBL
CROSS SECTIONS

NOTE:
SLOPES ARE RESULTANT BASED
ON MAINTAINING CONSTRUCTION
LIMITS ON THE EXISTING ROW

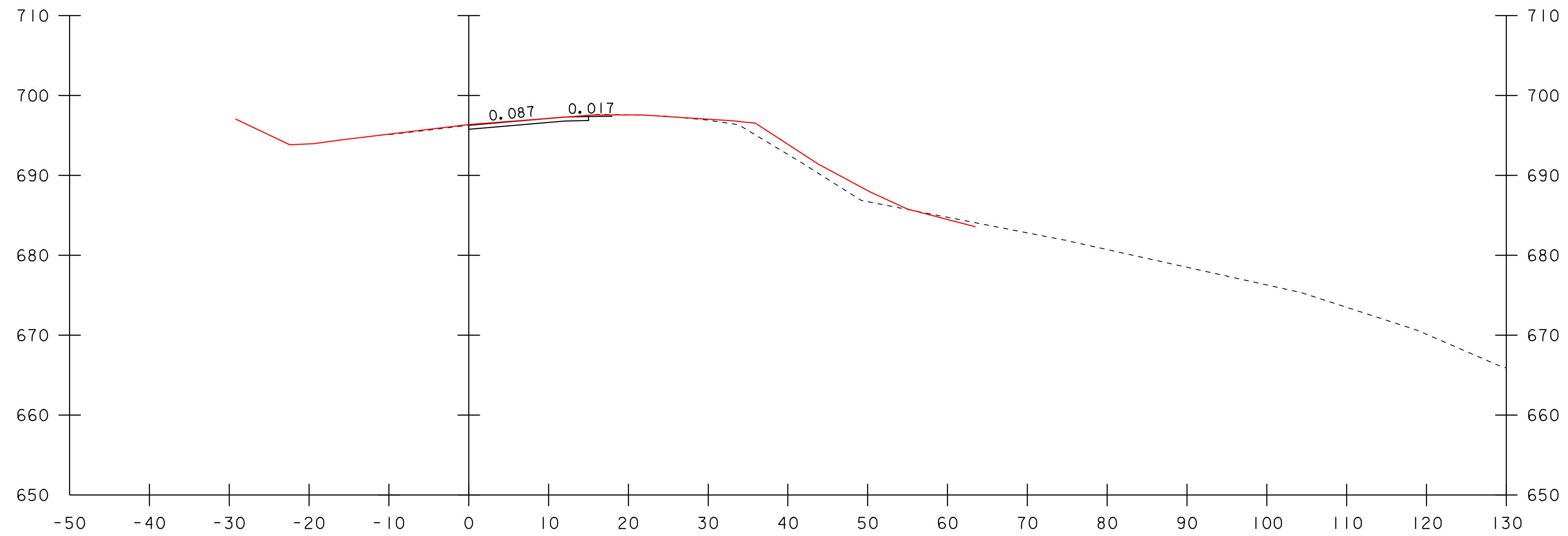
STA. 14+50 TO STA. 15+25

PLOT DATE: 26-AUG-2009 16:22
DRAWN BY: MBL
CHECKED BY: SDM
SHEET 28 OF 22

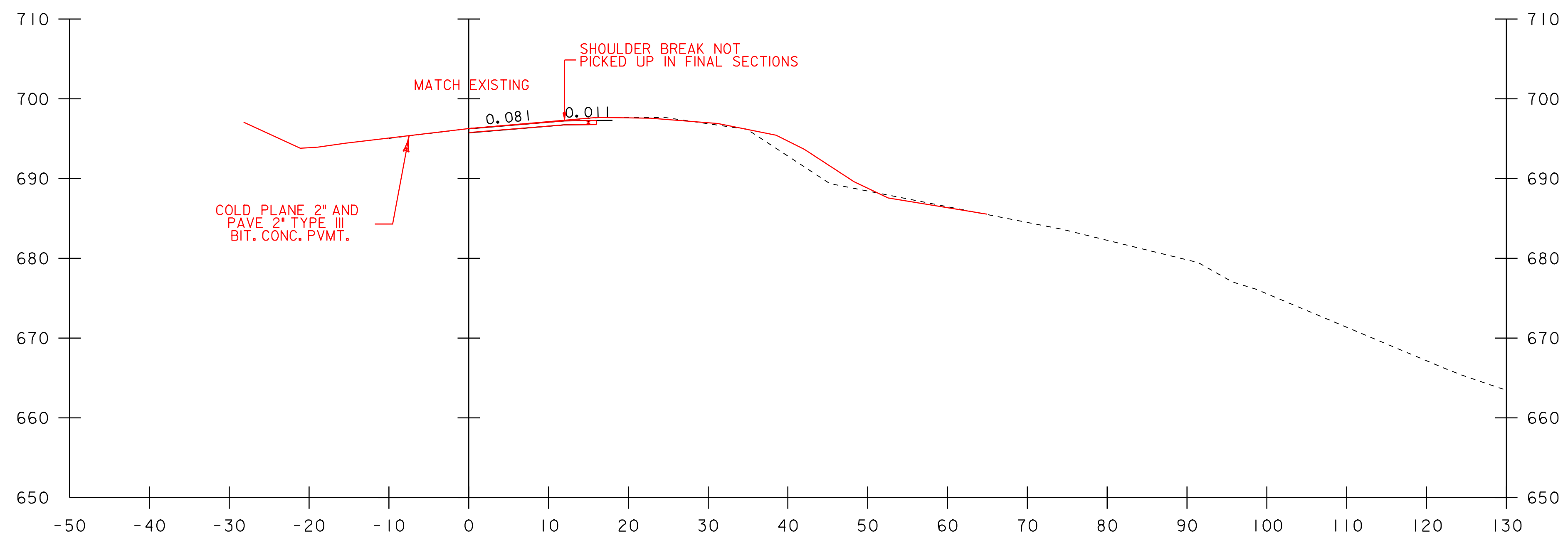
RIVER = 143.04' RT

RIVER = 131.20' RT

END PROJECT
 STP 030-2 (22)
 STA. 15+97.18



15+75



15+50

15+00
 COMMON EXC. = 9.09 SF ✓
 CJJ 12-5-08
 SEH 12-17-08

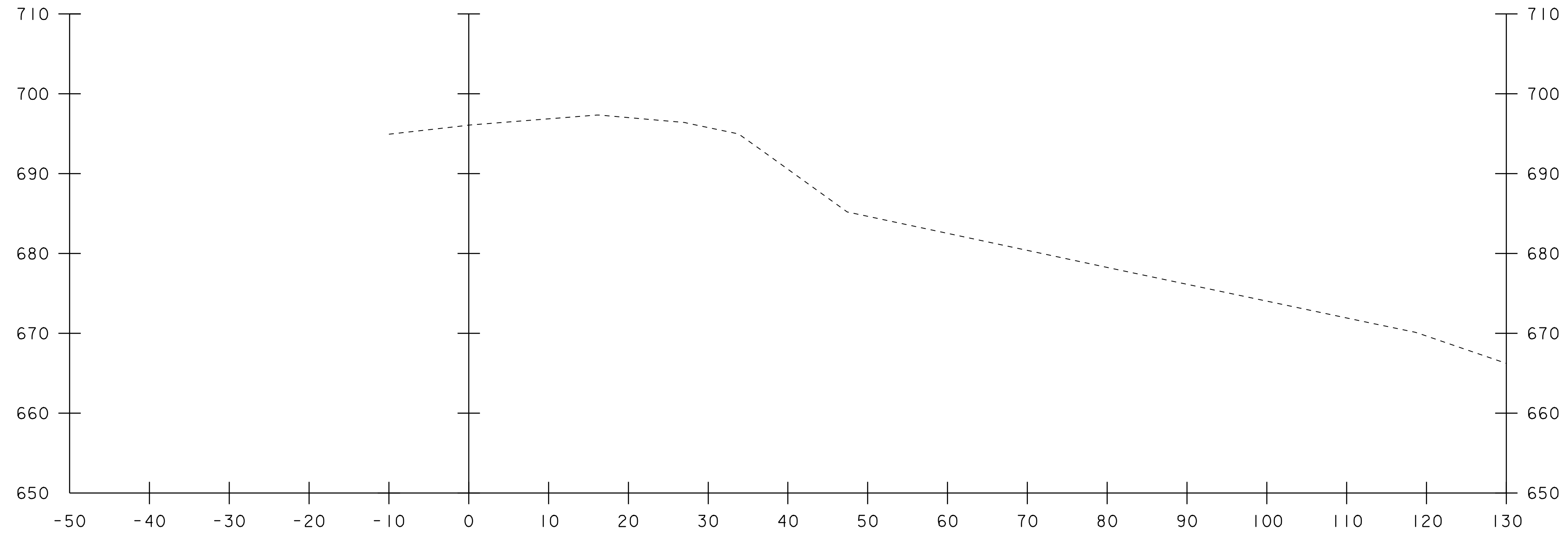
STA. 15+50 TO STA. 16+25

PROJECT NAME:	WOLCOTT	PLOT DATE:	26-AUG-2009 16:22
PROJECT NUMBER:	STP 030-2 (22)	DRAWN BY:	MBL
FILE NAME:	d07b096xsl.dgn	DESIGNED BY:	DLG/MBL
CROSS SECTIONS		CHECKED BY:	SDM
		SHEET	22 OF 22

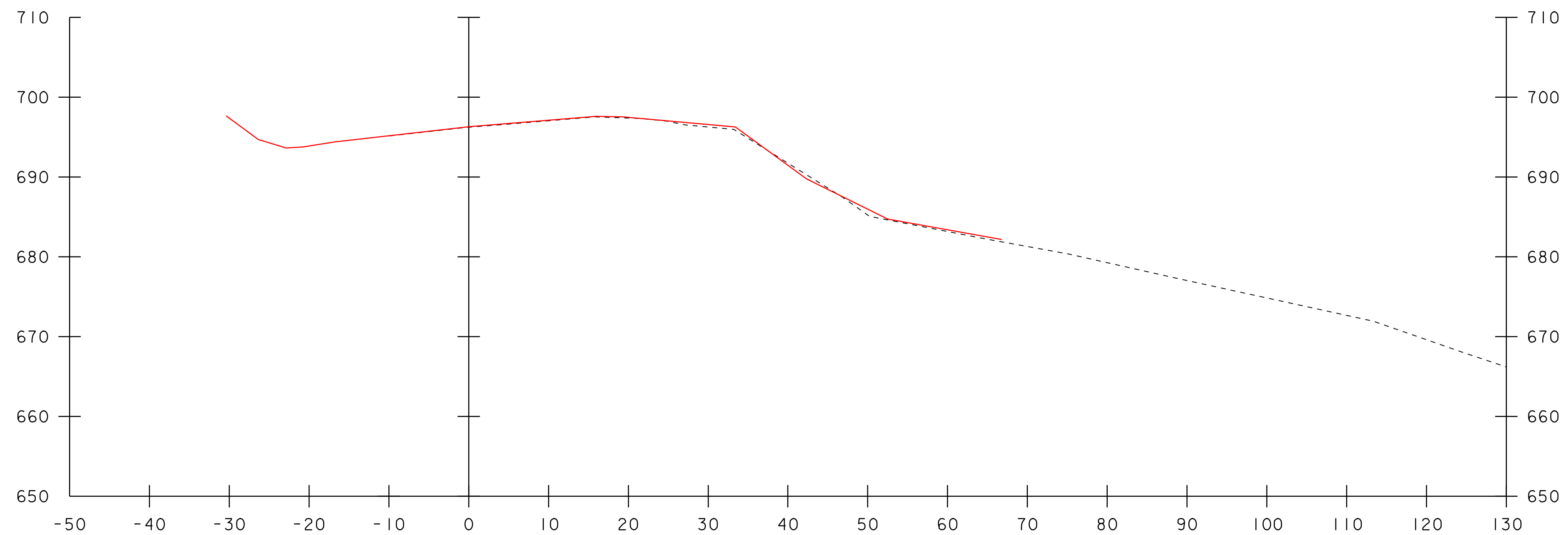


NOTE:
 WATER LEVEL ON CROSS SECTIONS ARE FOR REFERENCING PURPOSES ONLY.

END PROJECT
 STP 030-2 (22)
 STA. 15+97.18



16+25



16+00

STA. 15+50 TO STA. 16+25

PROJECT NAME:	WOLCOTT	PLOT DATE:	26-AUG-2009 16:22
PROJECT NUMBER:	STP 030-2 (22)	DRAWN BY:	MBL
FILE NAME:	d07b096xsl.dgn	DESIGNED BY:	DLG/MBL
CROSS SECTIONS		CHECKED BY:	SDM
		SHEET	22 30 OF 22



NOTE:
 WATER LEVEL ON CROSS SECTIONS ARE FOR REFERENCING PURPOSES ONLY.