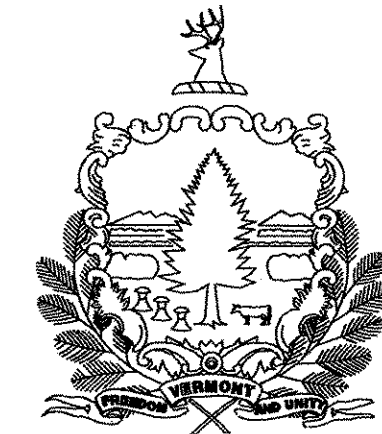


INDEX OF SHEETS
FOR INDEX, SEE SHEET 2

STATE OF VERMONT AGENCY OF TRANSPORTATION



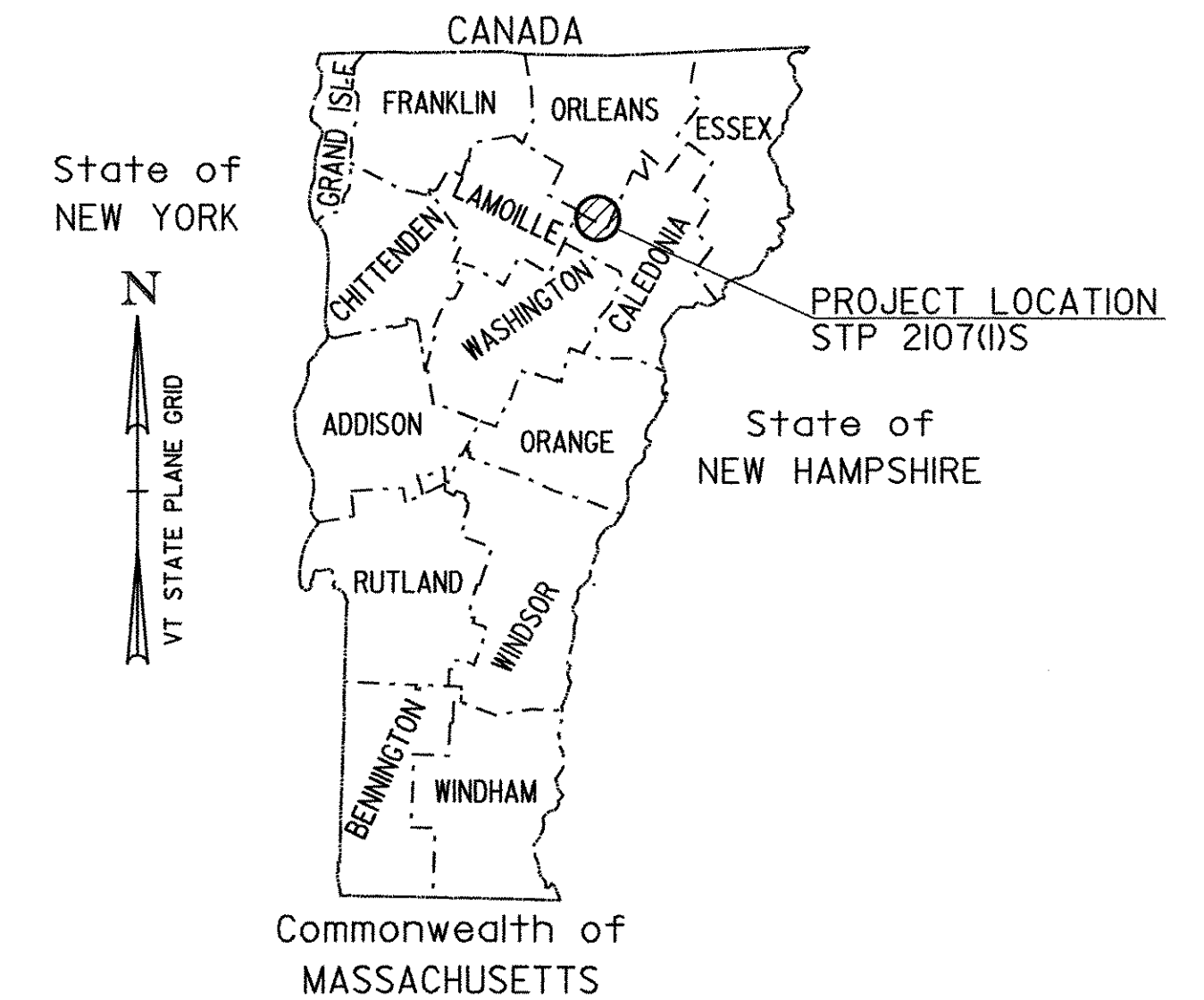
PROPOSED IMPROVEMENT TOWNS OF BARTON & IRASBURG COUNTY OF ORLEANS US ROUTE 5 & VT RTE. 58

BEGINNING IN BARTON ON US ROUTE 5 AT STATION 9+630.77 (MM 5.984) AND EXTENDING 9 + 615 (MM 5.974) NORTHERLY ALONG US ROUTE 5 A DISTANCE OF 8-228.16 METERS (5.113 MILES) TO STATION 8243.93 METERS (5.123 MILES) 0+526 (MM 0.327) IN IRASBURG. ALSO INCLUDED IN THIS PROJECT IS A PORTION OF VT RTE 58 IN BARTON STA 0+000 ~ 0+252 (MM 0.00 TO 0.156).
0+284 0.176

PROJECT DATA

EROM 9+615 5.974 IO
BARTON STA 9+630.77 (MM 5.984) IRASBURG STA 0+526 (MM 0.327)
LENGTH OF ROADWAY (US RTE. 5) = 8-236.23 METERS (5.123 MILES)
(VT RTE. 58) = 252.00 METERS (0.156 MILES)
284.00 0.176
LENGTH OF PROJECT = 8-488.23 METERS (5.274 MILES)
8 527.93 5.299

WORK TO BE PERFORMED UNDER THIS PROJECT INCLUDES RESURFACING, AND COLD PLANING OF THE EXISTING HIGHWAY WITH A LEVELING COURSE, WEARING COURSE, NEW PAVEMENT MARKINGS, GUARDRAIL, SIGNS AND INCIDENTAL ITEMS, AS SHOWN IN THE PROJECT QUANTITIES. ALSO INCLUDED IS RECONSTRUCTION OF A PORTION OF US RTE. 5 FROM STA. 17+178.74 IN BARTON TO STA. 0+81.52 IN IRASBURG.



BARTON	
BITUMINOUS CONCRETE PAVEMENT SUPERPAVE MIXTURE DESIGN CRITERIA	
DESIGN LANE/DESIGN LIFE ESAL	437,500
DESIGN NUMBER OF CYRATIONS	75
PERFORMANCE GRADED ASPHALT BINDER	PG 58-34

TRAFFIC DATA

	ADT		DHW		ESAL'S (2002-2012)	ESAL'S
	2002	2012	2002	2012		
MM 5.984 - MM 10.477	2100	2500	470	520	363,000	

RECORD PLANS
BARTON-IRASBURG AC STP 2107(1)S
CONTACTOR-PIKE IND. INC.
RESIDENT ENGINEER-KEVIN McCLURE

RECORD PLANS

CONTRACTOR: PIKE INDUSTRIES, INC. - BERLIN, VT

RESIDENT ENGINEER: KEVIN McCLURE

CONSTRUCTION BEGAN: JULY 25, 2005

CONSTRUCTION COMPLETE: JUNE 8, 2006

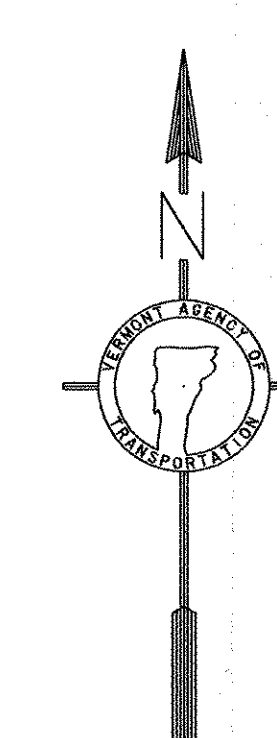
RECORD PLANS BY: KEVIN McCLURE & C. PIERCE

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

BY Kevin McClure RESIDENT ENGINEER

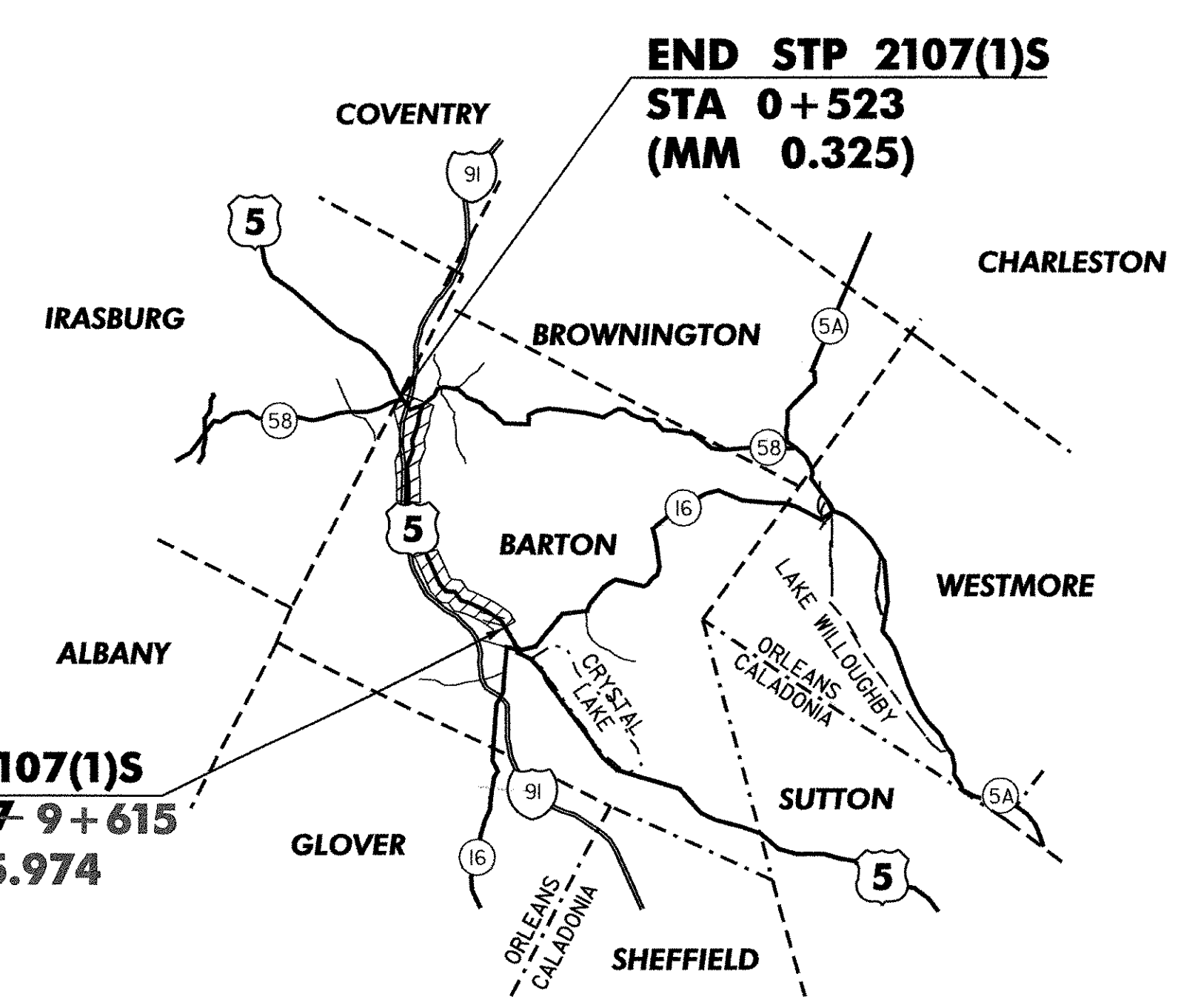
DATE 2-8-07

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.



UNLESS OTHERWISE NOTED, ALL DRAWINGS AND DETAILS OF THE PROJECT PLANS ARE NOT TO SCALE.

RIGHT-OF-WAY LIMITS, IF APPLICABLE, ARE PROVIDED SOLELY FOR THE CONVENIENCE OF THE STATE AND ITS CONTRACTOR DURING THE COURSE OF THIS PAVING PROJECT. ANY REFERENCES TO OFFSETS ON THESE PLANS ARE APPROXIMATE AND SHOULD NOT BE RELIED UPON FOR ANY OTHER PURPOSES.



CONVENTIONAL SIGNS

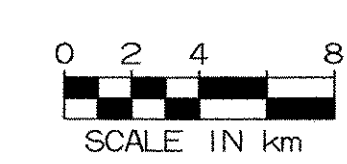
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TOWN LINE	- - - -
LIMITS OF ACCESS	o-o-o-o
POINT OF ACCESS	X
FENCE LINE	x-x-x-x
STONE WALL	o-o-o-o-o-o
TRAVELED WAY	---
GUARDRAIL	o-o-o-o
RAILROAD	
SURVEY LINE	---
CULVERT	---
POWER POLE	o
TELEPHONE POLE	o
TREES	* * *
CONTROL OF ACCESS	///
PROPERTY LINE	---
R.O.W. TAKING LINE	---
SLOPE RIGHTS	o SR
TOP OF CUT	o
TOE OF SLOPE	o

UNLESS OTHERWISE INDICATED, THE DRAWINGS AND DETAILS OF THESE PLANS ARE NOT TO SCALE.

DATUM
VERTICAL N/A
HORIZONTAL N/A

HORIZONTAL CONTROL (STATIONS)
WAS SET BY HOLDING THE ROUTE LOG STATIONING AT PROJECT CONTROL POINTS.

METRIC PLANS
PREPARED BY:

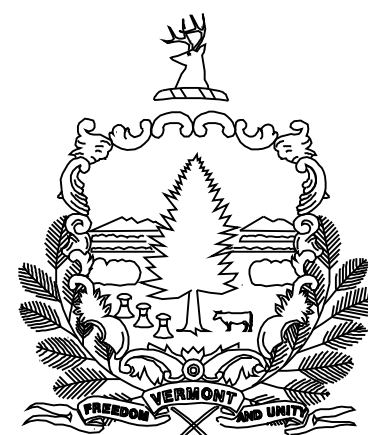


THESE PLANS ARE SUBJECT TO SUCH ENGINEERING CHANGES AS MAY BE REQUIRED BY THE FEDERAL HIGHWAY ADMINISTRATION OR THE DIRECTOR OF PROGRAM DEVELOPMENT.

CONSTRUCTION IS TO BE CARRIED ON IN ACCORDANCE WITH THESE PLANS AND THE STANDARD SPECIFICATIONS FOR CONSTRUCTION DATED 2001, AS APPROVED BY THE FEDERAL HIGHWAY ADMINISTRATION ON JANUARY 4, 2001 FOR USE ON THIS PROJECT, INCLUDING ALL SUBSEQUENT REVISIONS AND SUCH REVISED SPECIFICATIONS AND SPECIAL PROVISIONS AS ARE INCORPORATED IN THESE PLANS.

APPROVED _____ DATE _____	DIRECTOR OF PROGRAM DEVELOPMENT
DEPARTMENT OF TRANSPORTATION FEDERAL HIGHWAY ADMINISTRATION	
APPROVED _____ DATE _____	DIVISION ADMINISTRATOR
PROJECT	BARTON-IRASBURG STP 2107(1)S
SHEET 1 OF 49 SHEETS	

STATE OF VERMONT AGENCY OF TRANSPORTATION



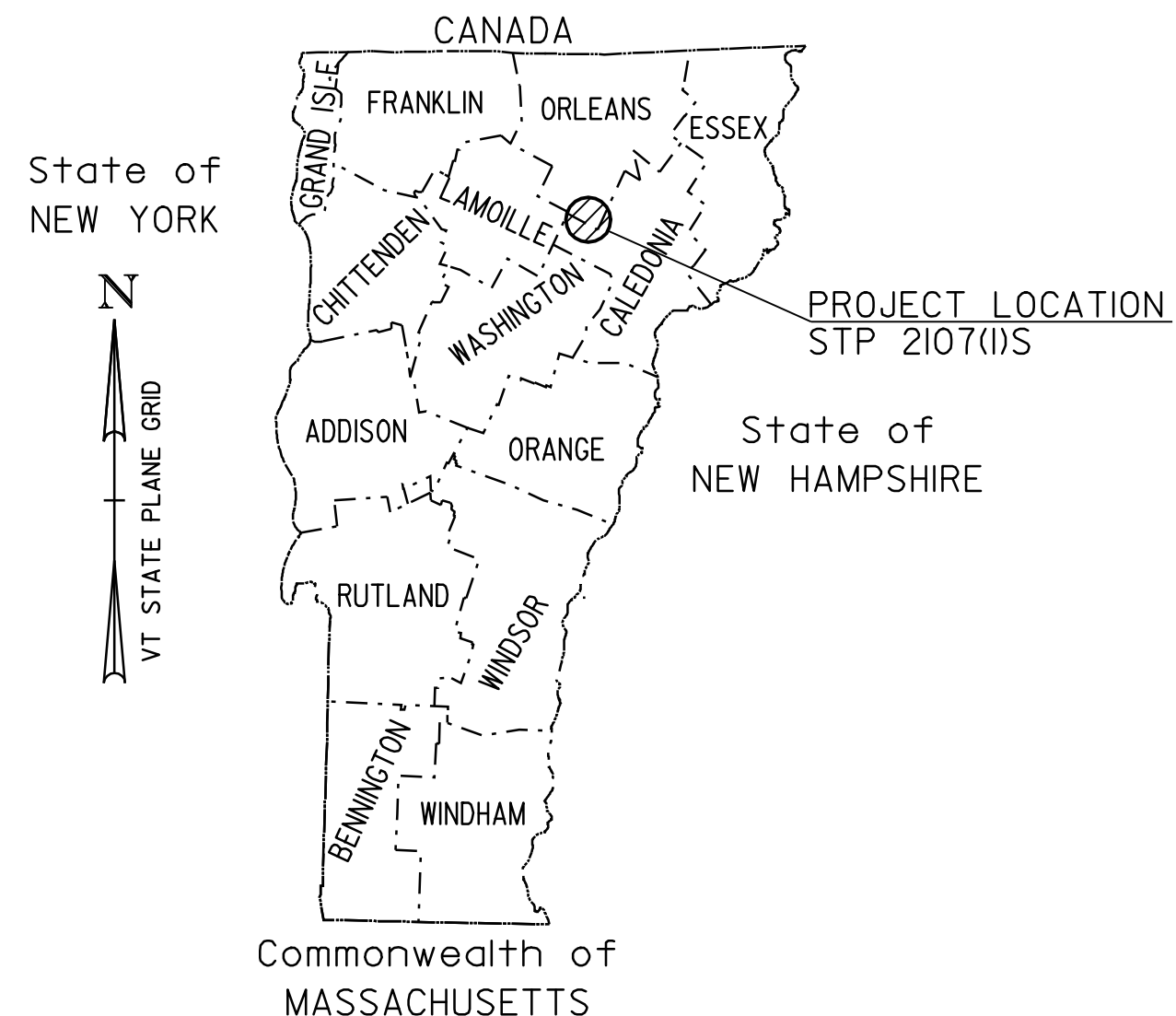
PROPOSED IMPROVEMENT TOWNS OF BARTON & IRASBURG COUNTY OF ORLEANS US ROUTE 5 & VT RTE. 58

BEGINNING IN BARTON ON US ROUTE 5 AT STATION ~~9+630.77~~ (MM ~~5.984~~) AND EXTENDING 9 + 615 (MM 5.974) NORTHERLY ALONG US ROUTE 5 A DISTANCE OF ~~8-228.16~~ METERS (~~5.113~~ MILES) TO STATION 8243.93 METERS (5.123 MILES) 0+526 (MM 0.327) IN IRASBURG. ALSO INCLUDED IN THIS PROJECT IS A PORTION OF VT RTE 58 IN BARTON STA 0+000 ~ 0+252 (MM 0.00 TO ~~0.156~~).
0+284 0.176

PROJECT DATA

FROM 9+615 5.974 TO 9+630.77 5.984
BARTON STA 9+630.77 (MM 5.984) IRASBURG STA 0+526 (MM 0.327)
LENGTH OF ROADWAY (US RTE. 5) = ~~8-236.23~~ METERS (~~5.118~~ MILES) 8 243.93 5.123
(VT RTE. 58) = ~~252.00~~ METERS (~~0.156~~ MILES) 284.00 0.176
LENGTH OF PROJECT = ~~8-488.23~~ METERS (~~5.274~~ MILES) 8 527.93 5.299

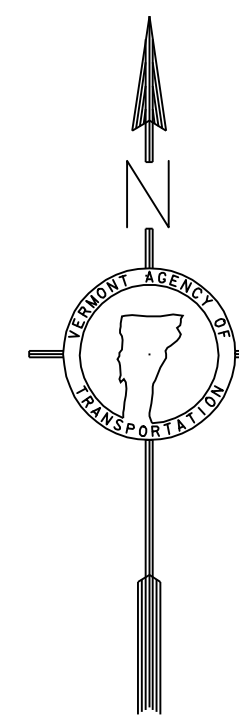
WORK TO BE PERFORMED UNDER THIS PROJECT INCLUDES RESURFACING, AND COLD PLANING OF THE EXISTING HIGHWAY WITH A LEVELING COURSE, WEARING COURSE, NEW PAVEMENT MARKINGS, GUARDRAIL, SIGNS AND INCIDENTAL ITEMS, AS SHOWN IN THE PROJECT QUANTITIES. ALSO INCLUDED IS RECONSTRUCTION OF A PORTION OF US RTE. 5 FROM STA. 17+178.74 IN BARTON TO STA. 0+81.52 IN IRASBURG.



BARTON	
BITUMINOUS CONCRETE PAVEMENT SUPERPAVE MIXTURE DESIGN CRITERIA	
DESIGN LANE/DESIGN LIFE ESAL	437,500
DESIGN NUMBER OF CYRATIONS	75
PERFORMANCE GRADED ASPHALT BINDER	PG 58-34

TRAFFIC DATA

	ADT		DHW		ESAL'S (2002-2012)	ESAL'S
	2002	2012	2002	2012		
MM 5.984 - MM 10.477	2100	2500	470	520	363,000	



RECORD PLANS
BARTON-IRASBURG AC STP 2107(1)S
CONTACTOR-PIKE IND. INC.
RESIDENT ENGINEER-KEVIN McCLURE
CONSTRUCTION BEGAN: JULY 25, 2005
CONSTRUCTION COMPLETE: JUNE 8, 2006

UNLESS OTHERWISE NOTED, ALL DRAWINGS AND DETAILS OF THE PROJECT PLANS ARE NOT TO SCALE.

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APPROVED _____ DATE _____	DIRECTOR OF PROGRAM DEVELOPMENT
DEPARTMENT OF TRANSPORTATION FEDERAL HIGHWAY ADMINISTRATION	
APPROVED _____ DATE _____	DIVISION ADMINISTRATOR
PROJECT	BARTON-IRASBURG STP 2107(1)S
SHEET 1 OF 49 SHEETS	

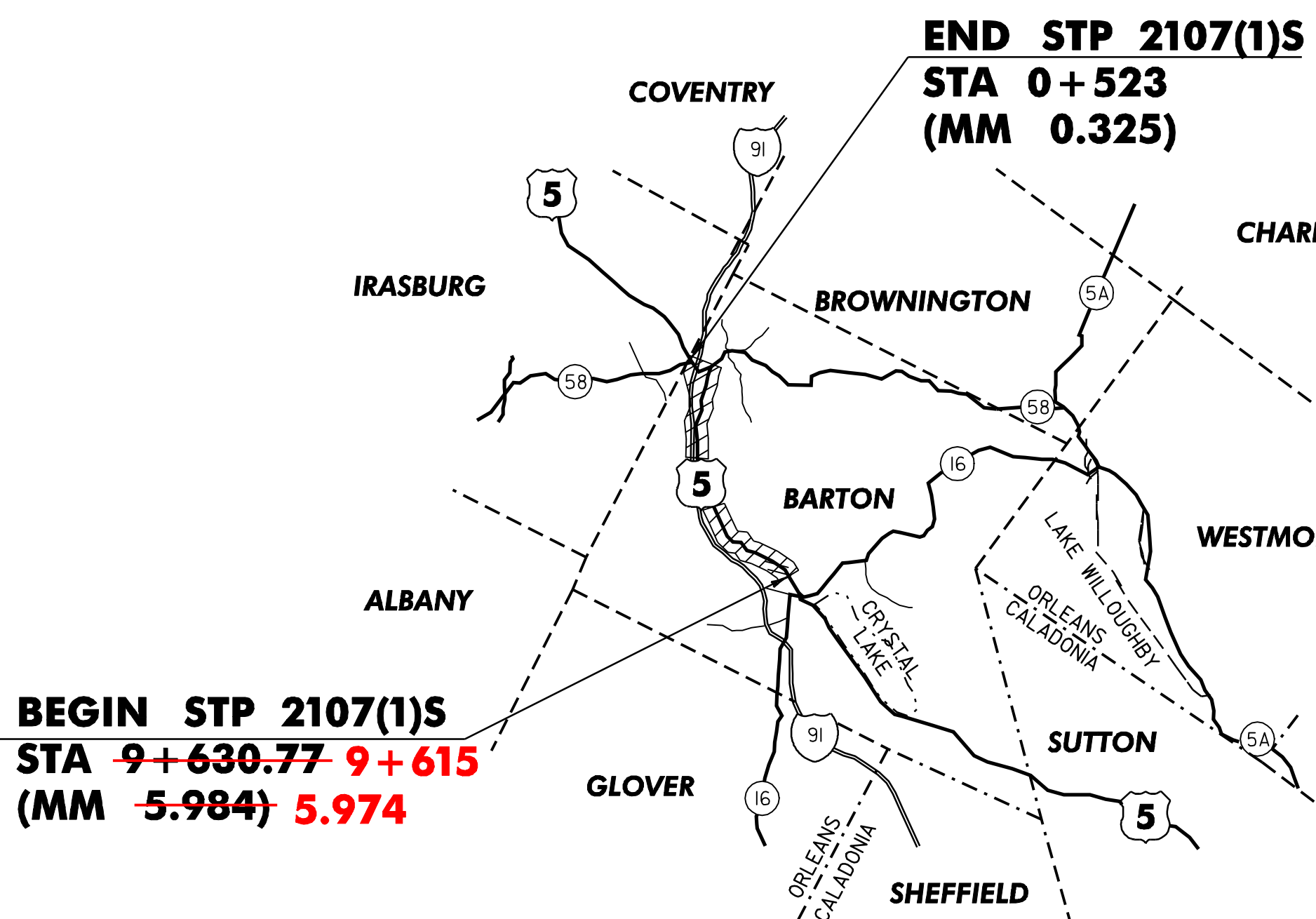
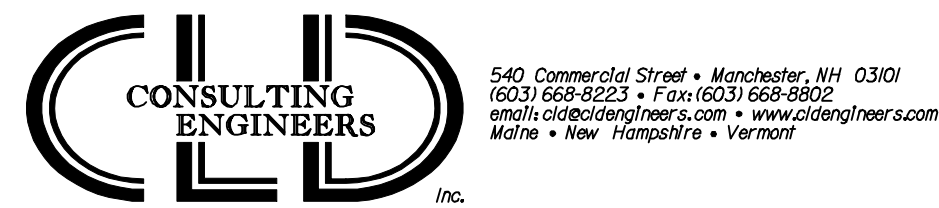
CONVENTIONAL SIGNS

COUNTY LINE	---
TOWN LINE	- - - -
LIMITS OF ACCESS	○-○-○-○
POINT OF ACCESS	X
FENCE LINE	-x-x-x-
STONE WALL	○-○-○-○
TRAVELED WAY	---
GUARDRAIL	○-○-○-○
RAILROAD	
SURVEY LINE	+
CULVERT	---
POWER POLE	⊕
TELEPHONE POLE	⊗
TREES	⊗
CONTROL OF ACCESS	///
PROPERTY LINE	---
R.O.W. TAKING LINE	SR
SLOPE RIGHTS	○-○-○-○
TOP OF CUT	△
TOE OF SLOPE	○

UNLESS OTHERWISE INDICATED, THE DRAWINGS AND DETAILS OF THESE PLANS ARE NOT TO SCALE.

DATUM	
VERTICAL	N/A
HORIZONTAL	N/A
HORIZONTAL CONTROL (STATIONS)	
WAS SET BY HOLDING THE ROUTE LOG STATIONING AT PROJECT CONTROL POINTS.	

METRIC PLANS
PREPARED BY:



INDEX OF SHEETS

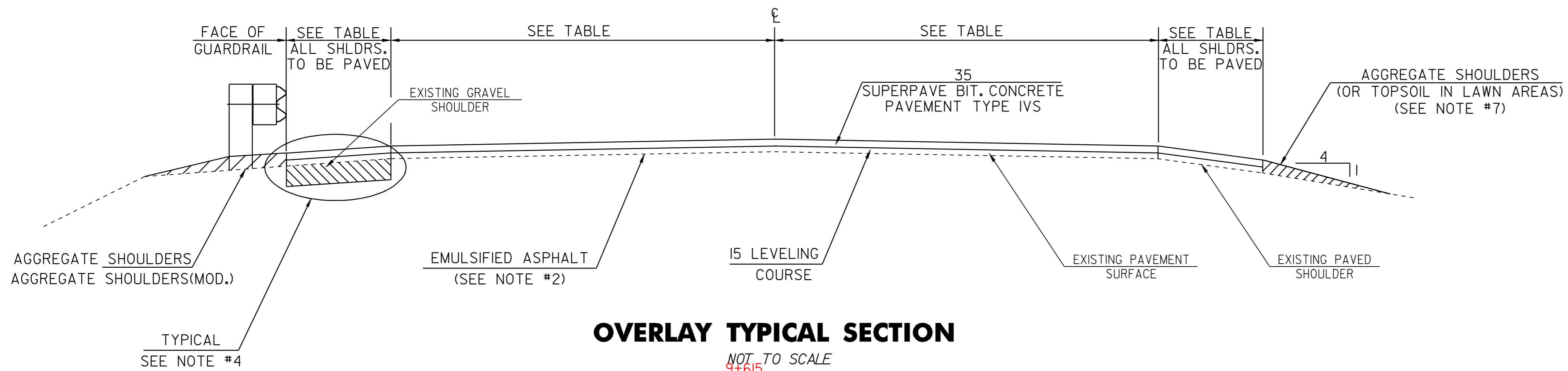
1	TITLE SHEET
2	INDEX OF SHEETS
3-5	TYPICAL SHEETS
6-8	QUANTITY SHEETS
9	ITEM DETAIL SHEET
10	EARTHWORKS SHEET
11	DITCH CLEANING DETAIL SHEET
12-33	PROJECT LAYOUT SHEETS
34-35	PROJECT PROFILE SHEETS
36	INTERSECTION DETAIL SHEET 1
37-43	TRAFFIC SIGN SUMMARY SHEETS
44-47	BRIDGE DETAILS
48	TERMINAL GUARDRAIL DETAIL
49	CONSTRUCTION APPROACH SIGNING

STANDARDS

B-17M	TURNOUTS	01/03/00
C-1M	TREATED TIMBER CURB	01/03/00
D-3M	TREATED GUTTERS	06/13/97
D-6M	REINFORCED CONCRETE DI W/ GRATE (DITCHES)	06/13/97
D-15M	PRECAST REINF CONCRETE CB OR MH W/ C I GRATE OR COVER, C I GRATE W/ FRAME, TYPES D & E	06/13/97
E-100	CONSTRUCTION APPROACH SIGNS	01/02/04
E-100A	SIDE ROAD 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 CONSTRUCTION AREAS	06/30/03
E-107A	BREAKAWAY BARRICADE DETAILS	08/08/95
E-108	CONSTRUCTION ZONE LONGITUDINAL DROP-OFFS	08/18/95
E-110	MAJOR MAINTENANCE OPERATION LANE CLOSURE	08/08/95
E-121	STANDARD SIGN PLACEMENT - CONVENTIONAL ROAD	08/08/95
E-138	REFERENCE PLAQUE DETAILS STATE & TOWN HGWYS	05/30/03
E-141	REGULATORY SIGN DETAILS	09/20/95
E-143	REGULATORY SIGN DETAILS	06/15/04
E-150	WARNING SIGN DETAILS	05/01/04
E-160	FLANGED CHANNEL STEEL SIGN POST DETAIL	05/20/99
E-191	PAVEMENT MARKING DETAILS	02/01/99
E-193	PAVEMENT MARKING DETAILS	08/18/95
G-1M	STEEL BEAM GUARDRAIL W/ WOOD & STEEL POSTS	01/03/00
G-1DM	STEEL BEAM GUARDRAIL ANCHORS & TERMINALS	01/03/00
G-4M	YIELDING MARKER POSTS	06/13/97
G-16M	STEEL BEAM GUARD RAIL ATTACHMENTS TO EXISTING BRIDGE	06/13/97
	TERMINAL CONNECTOR FOR STEEL BEAM GUARDRAIL	
G-19 M	GRADING PLANS FOR GUARDRAIL END TERMINALS	11/15/02
J-3M	MAILBOX SUPPORT DETAIL (SINGLE & MULTIPLE)	06/13/97
SB-R6-82M	BRIDGE RAILING HD STEEL BEAM (TYPE A, B, C, D)	07/10/97

DATUM _____
 VERTICAL _____
 HORIZONTAL _____

INDEX OF SHEETS	PROJECT: BARTON- IRASBURG	PROJECT NO.: STP 2107(1) S
	DESIGN FILE NAME: pave/98c096/pc096.dgn	
	IPARM FILE NAME: pc096in.i	PLOT DATE: 21-MAY-2007 13
	SURVEYED BY: _____	SURVEY DATE: _____
	SQUAD LEADER: MW	DRAWN BY: JLR
		SHEET: 2 OF 49



OVERLAY TYPICAL SECTION

NOT TO SCALE
~~9+631~~
 STA 9+615 TO STA 10+704
 STA 10+716 TO STA 11+417
 STA 11+458 TO STA 12+616
 STA 12+646 TO STA 16+851

PROJECT PAVING LIMITS

TOWN	BEGIN STATION	END STATION	LANE TYPICAL (m)	WEARING DEPTH (mm)	BINDER DEPTH (mm)	LEVELING DEPTH (mm)	LEVELING TOTAL(T)	NOTES
BARTON	9+615							
US ROUTE 5	9+631	10+704	0.7-3.6-3.6-0.7	35		15	332	LEVEL & OVERLAY
	10+704	10+716	2.0-3.6-3.6-2.0	25		15	5	COLD PLANE 25, LEVEL & OVERLAY, BRIDGE I65
	10+716	11+417	1.4-3.6-3.6-1.4	35		15	252	LEVEL & OVERLAY
	11+417	11+458	1.1-3.6-3.6-1.1	25		15	14	COLD PLANE 25, LEVEL & OVERLAY, BRIDGE I66
	11+458	12+000	1.8-3.6-3.6-1.8	35		15	211	LEVEL & OVERLAY
	12+000	12+500	0.8-3.6-3.6-0.8	35		15	159	LEVEL & OVERLAY
	12+500	12+616	1.3-3.6-3.6-1.3	35		15	41	LEVEL & OVERLAY
	12+616	12+646	1.5-3.6-3.6-1.5	25		15	12	COLD PLANE 25, LEVEL & OVERLAY, BRIDGE I67
	12+646	13+000	1.3-3.6-3.6-1.3	35		15	125	LEVEL & OVERLAY
	13+000	15+000	0.8-3.6-3.6-0.8	35		15	634	LEVEL & OVERLAY
	15+000	15+500	0.9-3.6-3.6-0.9	35		15	162	LEVEL & OVERLAY
	15+500	15+903	1.1-3.6-3.6-1.1	35		15	136	LEVEL & OVERLAY
	15+903	16+000	TAPER	35		15	37	LEVEL & OVERLAY
	16+000	16+861	2.4-3.6-3.6-2.4			15	368	LEVEL & OVERLAY
	16+861	17+341	VARIES	35		15		COLD PLANE 50, LEVEL & OVERLAY
	17+178 LT	17+341 LT	VARIES	50	100			RECONST. SECTION--SEE SHEET 5
VT RTE 58--CL I	0+000	0+252	VARIES	35		15		COLD PLANE 50, LEVEL & OVERLAY
IRASBURG		0+284						
US ROUTE 5	0+000	0+523	VARIES	35		15		COLD PLANE 50, LEVEL & OVERLAY
	0+000 LT	0+81 LT	VARIES	50	100			RECONST. SECTION--SEE SHEET 5

RURAL AREA - SEED MIXTURE

% MASS	kg/ha	NAME	PUR %	GERM %
37.14	26	CREEPING RED FESCUE	98	85
37.14	26	TALL FESCUE	95	90
5.71	4	RED TOP	95	90
14.30	10	BIRDSFOOT TREFLOIL	98	85
5.71	4	ANNUAL RYE GRASS	95	85
100.00	70			

SEED MIXTURE:
 SHALL NOT HAVE A WEED CONTENT EXCEEDING 0.40% BY MASS AND SHALL BE FREE OF ALL NOXIOUS WEED SEED.
 SEED:
 TO BE APPLIED PER SEEDING FORMULAS OR AS DIRECTED BY THE RESIDENT ENGINEER.
 FERTILIZER:
 FORMULA 10-20-10 TO BE USED WITH SEED, APPLIED AT THE RATE OF 560 kg/ha. (HYDRO SEEDERS MAY USE I9-I9-I9 FORMULA)
 AGRICULTURAL LIMESTONE:
 TO BE APPLIED AT THE RATE OF 4500 kg/ha OR AS DIRECTED BY THE RESIDENT ENGINEER.
 HAY MULCH:
 TO BE PLACED ON EARTH SLOPES AT THE RATE OF 4500 kg/ha OR AS DIRECTED BY THE RESIDENT ENGINEER.
 TOPSOIL:
 TO BE USED WITH SEED AS INDICATED ON THE PLANS, OR AS DIRECTED BY THE RESIDENT ENGINEER.

NOTES:

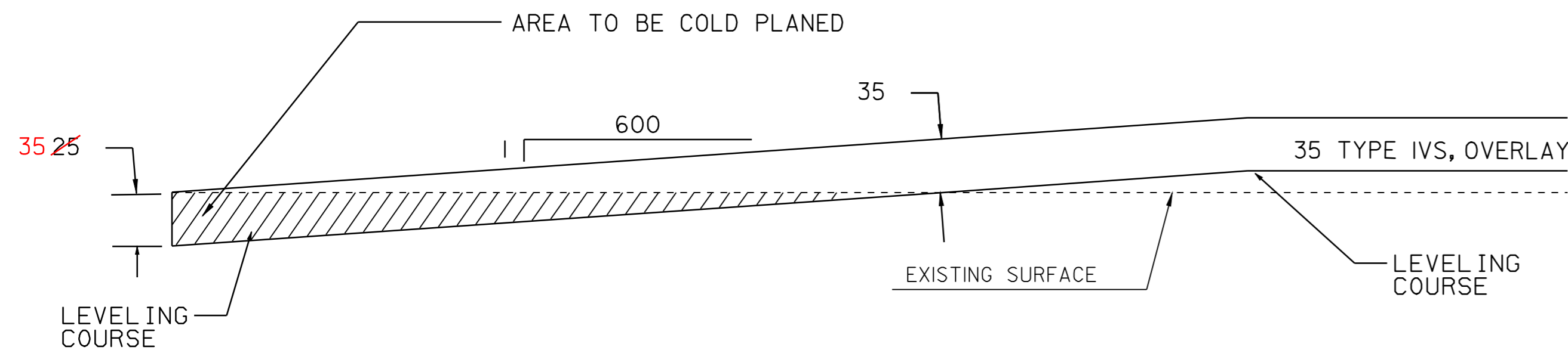
- THE PAVEMENT WEARING COURSE AND THE LEVELING COURSE SHALL BE TYPE IVS, ITEM 490.30, AS SHOWN ON THE TYPICALS. ALL LIQUID ASPHALT USED IN SUPERPAVE BITUMINOUS CONCRETE PAVEMENT SHALL BE PG 58-34.
- EMULSIFIED ASPHALT SHALL BE APPLIED ON ALL EXISTING PAVEMENT SURFACES, ON COLD PLANED SURFACES AND BETWEEN ALL COURSES OF PAVEMENT AT THE RATE OF 0.12 L/m² OR AS DIRECTED BY THE RESIDENT ENGINEER.
- BITUMINOUS CONCRETE PAVEMENT TOLERANCE = 5 mm +/- (TOTAL THICKNESS EXCLUDING LEVEL COURSE).
- EXISTING SHOULDER MATERIAL DEEMED UNSUITABLE BY THE RESIDENT ENGINEER SHALL BE EXCAVATED TO A DEPTH OF 75 mm +/- OR AS DIRECTED BY THE RESIDENT ENGINEER. EXCAVATED MATERIAL SHALL BE SPREAD ON THE ADJACENT SLOPES OR REMOVED FROM THE PROJECT, AS DIRECTED BY THE RESIDENT ENGINEER. MATERIAL REMOVED SHALL BE REPLACED WITH SUBBASE OF CRUSHED GRAVEL (FINE GRADED) OR COLD PLANE GRINDINGS.(AGGREGATE SHOULDERS MOD.) THIS WORK WILL BE PAID FOR USING THE APPROPRIATE RENTAL ITEMS. THE METHOD OF REMOVAL AND THE USE OF RENTAL ITEMS SHALL BE APPROVED BY THE RESIDENT ENGINEER PRIOR TO ANY WORK BEING DONE.
- COLD PLANING SHALL BE COMPLETED ACCORDING TO TYPICAL OR AS DENOTED OTHERWISE ON THE PLANS. A FULL-DEPTH BUTT JOINT SHALL BE CONSTRUCTED AT THE PROJECT BEGIN/END AND AT ALL SIDE ROAD APPROACHES AS SHOWN ON THE PROJECT PLANS OR AS OTHERWISE DIRECTED BY THE RESIDENT ENGINEER.
- ALL DRIVES, TOWN HIGHWAYS AND MAILBOX TURNOUTS SHALL RECEIVE A 1m PAVED APRON UNLESS OTHERWISE DIRECTED BY THE RESIDENT ENGINEER.
- ALL EDGES OF PAVEMENT AND TREATED TIMBER CURB SHALL BE BACKED UP FULL HEIGHT WITH COLD PLANE GRINDINGS AS DIRECTED BY THE RESIDENT ENGINEER AND WILL BE PAID FOR UNDER ITEM 402.I2, AGGREGATE SHOULDERS (MOD). ADDITIONAL MATERIAL REQUIRED AFTER THE COLD PLANE GRINDINGS ARE USED WILL BE PAID FOR UNDER ITEM 402.I2, AGGREGATE SHOULDERS.
- ITEM 616.47, BITUMINOUS CONCRETE GUTTERS AND TRAFFIC ISLANDS WILL BE PAID ONLY WHERE SPECIFIED IN THE PLANS. ALL OTHER BITUMINOUS CONCRETE PAVEMENT WORK, WHICH COULD INVOLVE SOME HAND-WORK (SUCH AS DRIVE AND SIDE ROAD APPROACHES AND AROUND DRAINAGE/UTILITY STRUCTURES), SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR ITEM 490.30, SUPERPAVE BITUMINOUS CONCRETE PAVEMENT.
- GRASS GROWING ADJACENT TO PAVEMENT, OR THROUGH CRACKS IN THE PAVEMENT, WHICH MAY HAMPER THE PLACEMENT OF NEW BITUMINOUS CONCRETE, SHALL BE REMOVED BY THE CONTRACTOR, AS DIRECTED BY THE ENGINEER. PAYMENT FOR THIS WORK WILL NOT BE MADE DIRECTLY, BUT WILL BE CONSIDERED SUBSIDIARY TO ITEM 490.30, SUPERPAVE BITUMINOUS CONCRETE PAVEMENT PG 58-34.
- COMPACTION, GRADING, AND CLEAN UP OF ITEM 301.28, SUBBASE OF CRUSHED GRAVEL, ITEM 402.I2, AGGREGATE SHOULDER MATERIAL, AND ITEM 651.35, TOPSOIL, IS TO BE INCLUDED IN THE CONTRACT UNIT PRICE OF EACH ITEM.
- SPECIAL PRECAUTIONS MUST BE TAKEN TO PREVENT DAMAGE TO THE EXISTING MEMBRANES ON THE BRIDGES. THE CONTRACTOR SHALL PERFORM COLD PLANING WITH CAUTION AT THE LISTED LOCATIONS. ANY DAMAGES WHICH MAY OCCUR TO THE MEMBRANE AS A RESULT OF THIS PROJECT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR AND WILL BE REPAIRED AT NO COST TO THE STATE.
- ONE METER OF BACKING IS REQUIRED BEHIND THE FACE OF GUARDRAIL WITH 1.8m POSTS, IF THIS CAN NOT BE OBTAINED THEN 2.4m POSTS SHALL BE USED.
- MARKER POSTS SHALL BE PLACED AS INDICATED OR AS DIRECTED BY THE RESIDENT ENGINEER. MARKER POSTS WILL BE USED TO MARK INLET AND OUTLET OF CROSS PIPES.
- ESTIMATED QUANTITIES OF ITEM 608.25, EXCAVATOR RENTAL AND 608.37 TRUCK RENTAL HAVE BEEN INCLUDED FOR THE PROVISION OF CONSTRUCTING GUARDRAIL FLARES WITH EXCAVATED DITCHING MATERIAL. THE GUARDRAIL FLARES SHALL BE CAPPED WITH AN ESTIMATED 75 mm DEPTH OF AGGREGATE SHOULDER MATERIAL UNLESS OTHERWISE DIRECTED BY THE RESIDENT ENGINEER. THE QUANTITIES INCLUDED REFLECT 5 TONS OF AGGREGATE SHOULDER MATERIAL FOR EACH GUARDRAIL TERMINAL. AN ESTIMATED QUANTITY OF EARTH BORROW HAS BEEN INCLUDED TO PROVIDE FOR ADDITIONAL MATERIAL IF NEEDED, FOR FLARE CONSTRUCTION.
- ALL BITUMINOUS CONCRETE PAVEMENT WORK, WHICH COULD INVOLVE SOME HAND-WORK (SUCH AS DRIVE AND SIDE ROAD APPROACHES AND AROUND DRAINAGE/UTILITY STRUCTURES), SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR ITEM 490.30 SUPERPAVE BITUMINOUS CONCRETE PAVEMENT PG 58-34.

NOTE: ALL DIMENSIONS IN MILLIMETERS EXCEPT AS INDICATED

PROJECT TYPICAL SHEET#1

PROJECT:	BARTON- IRASBURG	PROJECT NO.:	STP 2107(1) S
DESIGN FILE NAME:	pave/98c096/pc096.dgn	PLOT DATE:	21-MAY-2007 13
IPARM FILE NAME:	pc096ty01.t	SURVEY DATE:	6/99
SURVEYED BY:	CLD ENGINEERS INC	DRAWN BY:	NULL
SQUAD LEADER:	WRH	SHEET:	3 OF 49

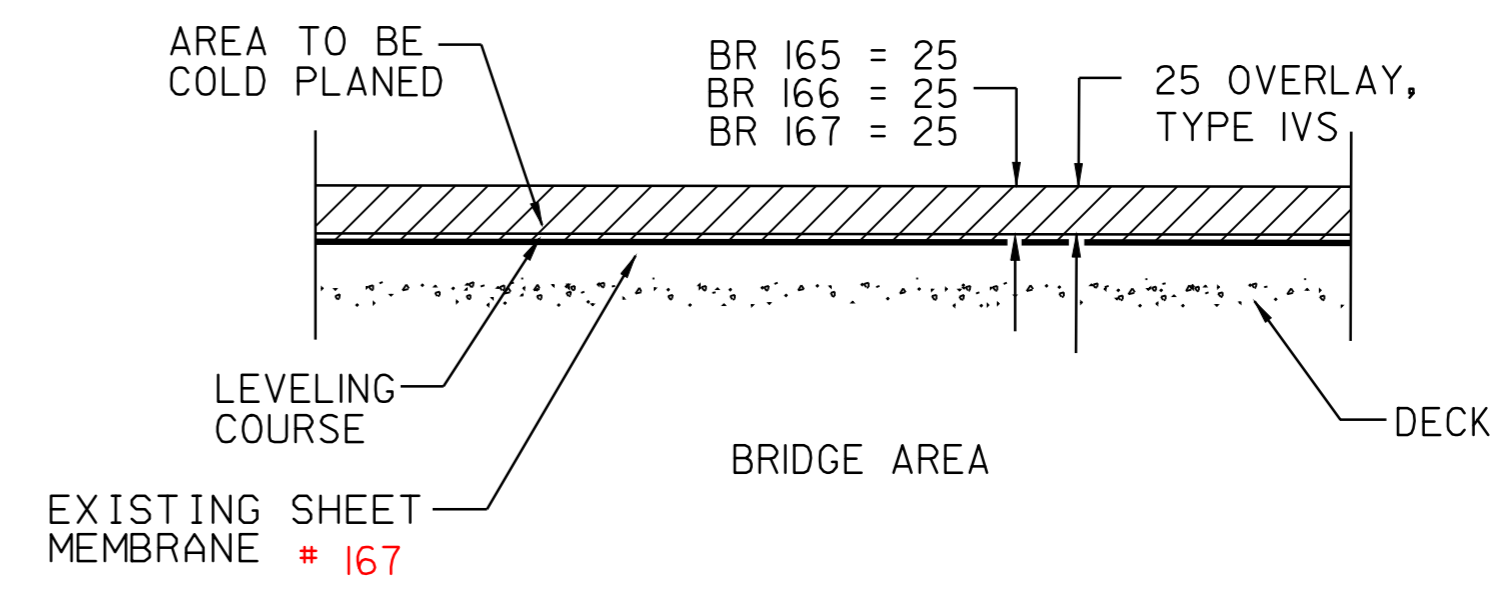
DATUM _____
 VERTICAL _____
 HORIZONTAL _____



TRANSITION AREA DETAIL

LOCATION

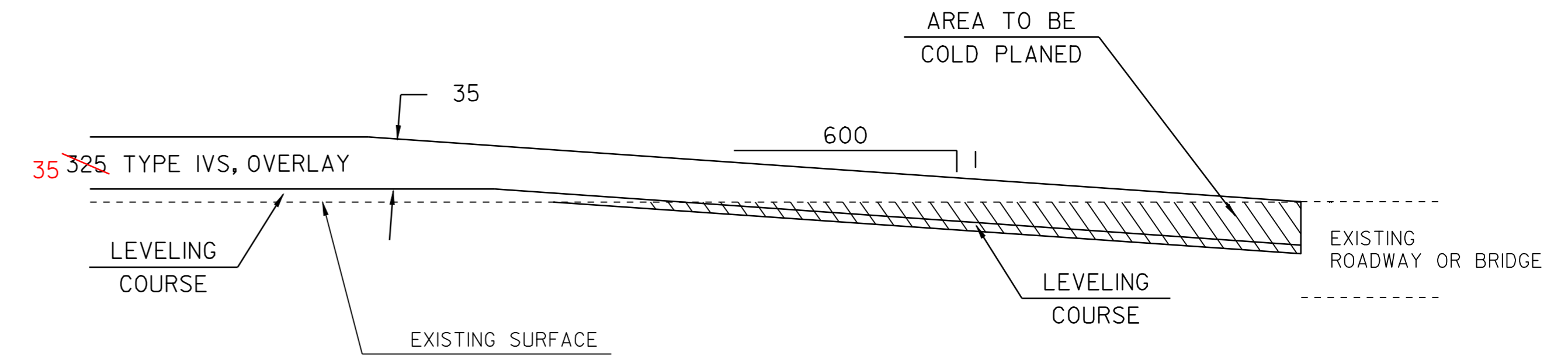
- STA 10+704 - STOP OVERLAY, RESUME COLD PLANE
- STA 10+716 - STOP COLD PLANE, RESUME OVERLAY
- STA 11+417 - STOP OVERLAY, RESUME COLD PLANE
- STA 11+458 - STOP COLD PLANE, RESUME OVERLAY
- STA 12+616 - STOP OVERLAY, RESUME COLD PLANE
- STA 12+646 - STOP COLD PLANE, RESUME OVERLAY



BRIDGE COLD PLANE DETAIL

LOCATION

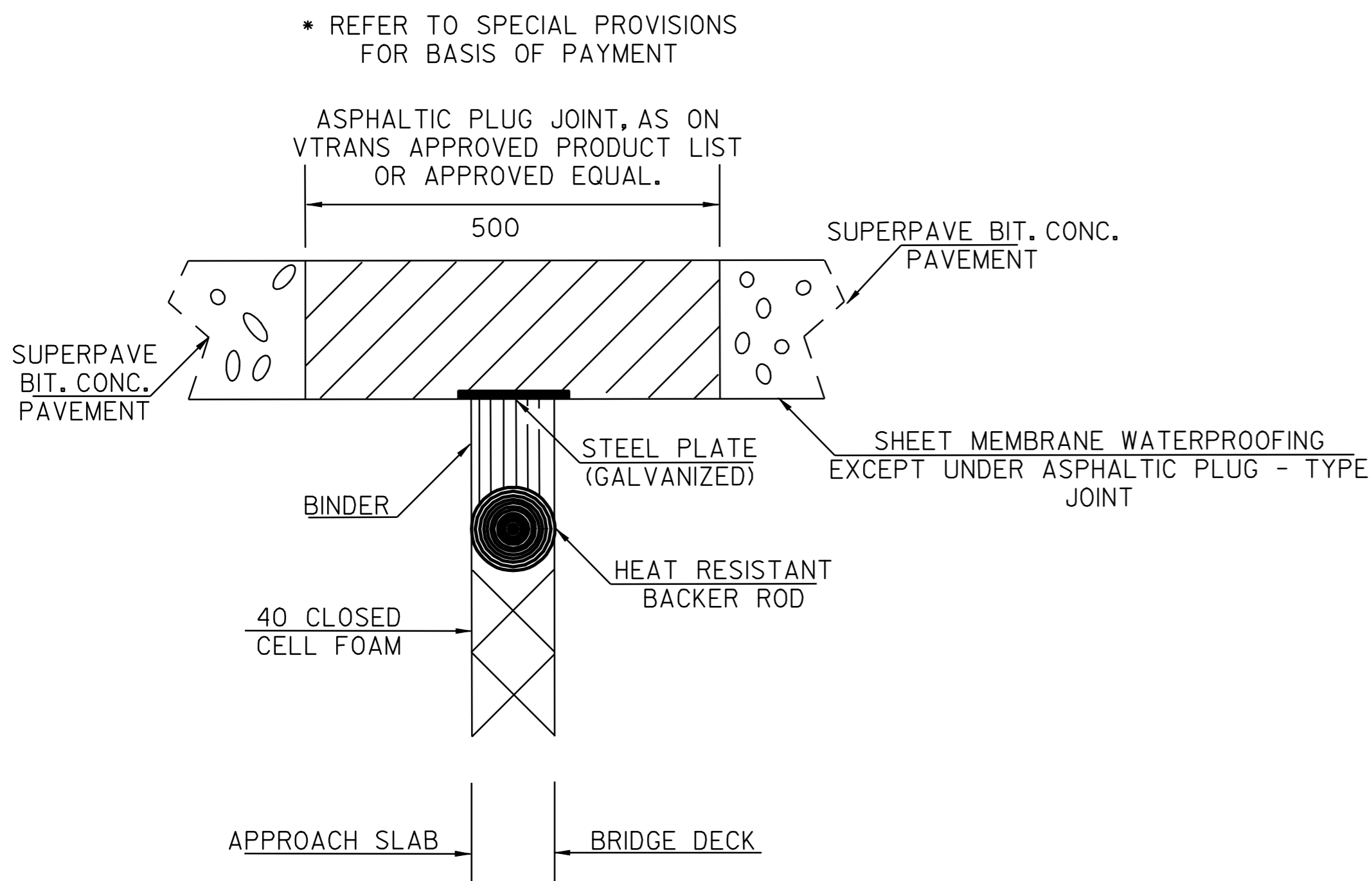
- BRIDGE #165: STA 10+704 TO STA 10+716
 - BRIDGE #166: STA 11+417 TO STA 11+458
 - BRIDGE #167: STA 12+616 TO STA 12+646
- NEW MEMBRANE (DISTRICT #9)



APPROACH AREA DETAIL

LOCATION

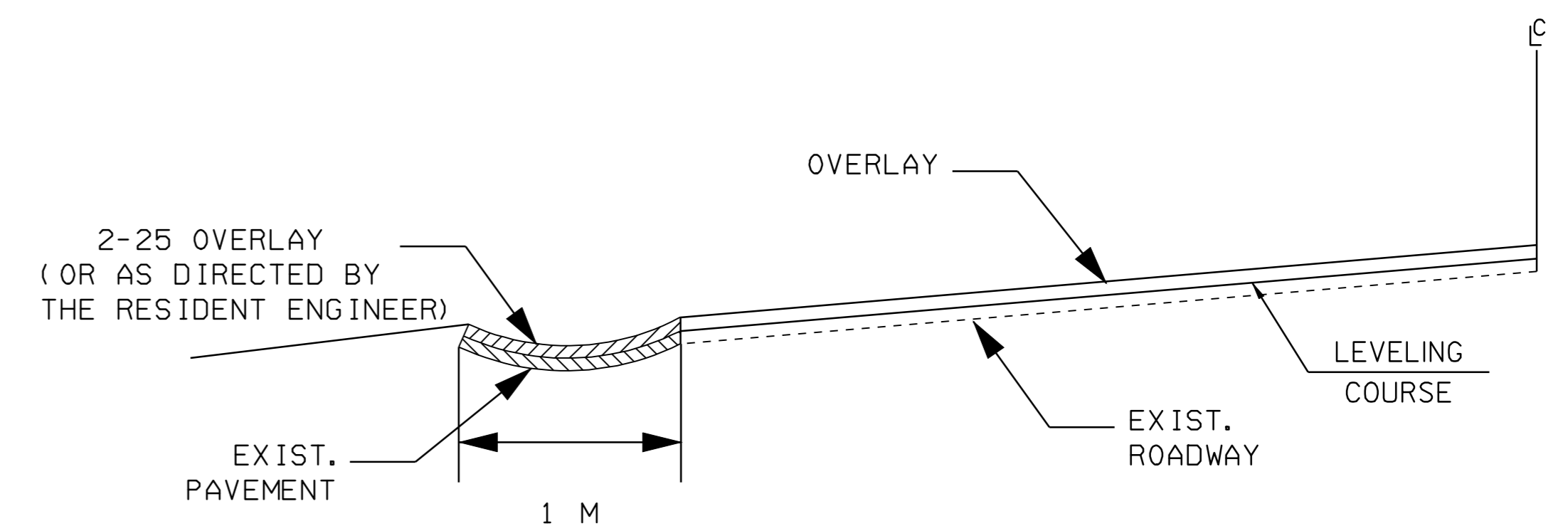
- STA 9+615 TO STA 9+646 - BEGIN OVERLAY
- STA 16+836 TO STA 16+851 - END OVERLAY



ASPHALTIC PLUG-TYPE JOINT DETAIL

LOCATION

- BRIDGE #165 (11.2M) @ STA 10+710 (MM 6.655) (@ EXPANSION JOINT) & FIXED END
- BRIDGE #166 (9.4M) @ STA 11+439 (MM 7.108) (@ EXPANSION JOINT) & FIXED END
- BRIDGE #167 (10.2M) @ STA 12+632 (MM 7.849) (@ EXPANSION JOINT) & FIXED END



BITUMINOUS CONCRETE GUTTER DETAIL

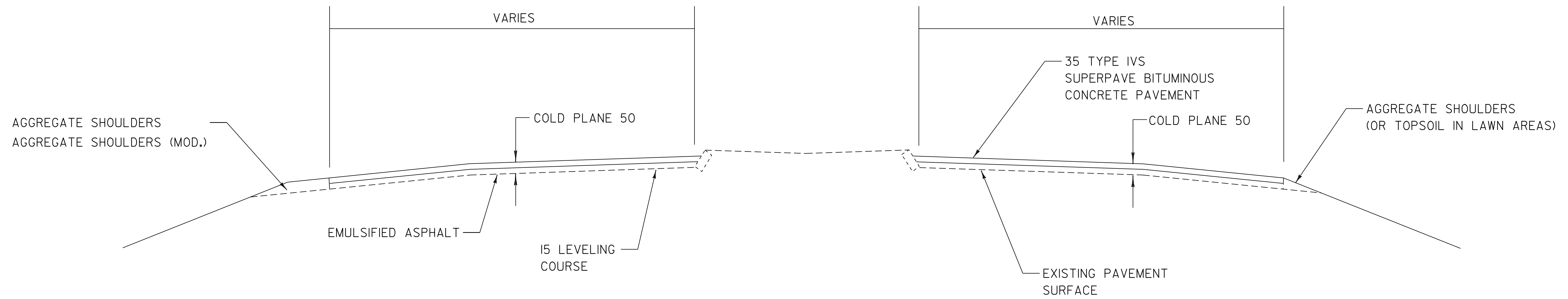
*SEE LAYOUT SHEETS FOR LOCATIONS

NOTE: ALL DIMENSIONS IN MILLIMETERS EXCEPT AS INDICATED

DATUM	
VERTICAL	_____
HORIZONTAL	_____

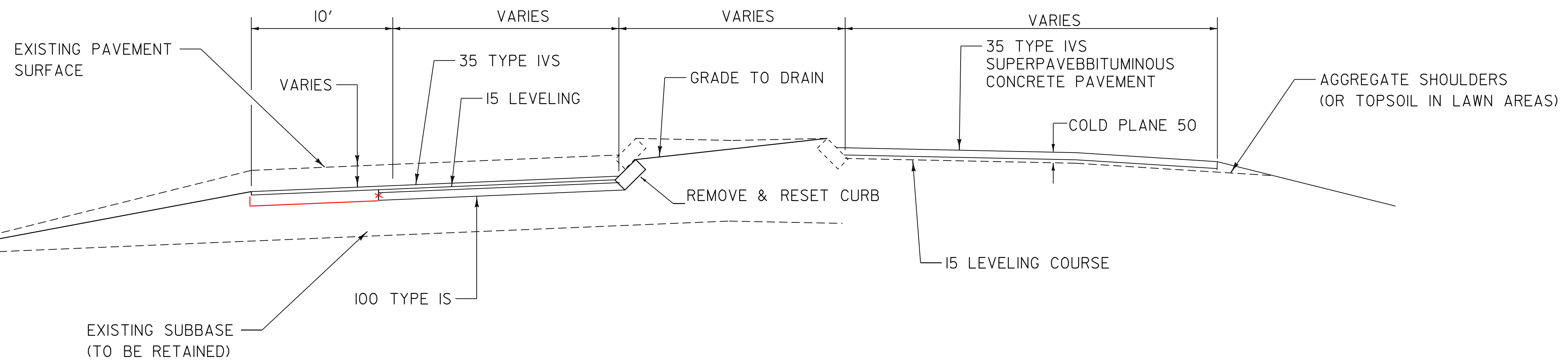
NOT TO SCALE

PROJECT TYPICAL SHEET#2	PROJECT: BARTON- IRASBURG	PROJECT NO.: STP 2107(1) S
	DESIGN FILE NAME: pave/98c096/pc096.dgn	PLOT DATE: 21-MAY-2007 13
	IPARM FILE NAME: pc096+y02.i	SURVEY DATE: 6/99
	SURVEYED BY: CLD ENGINEERS INC	DRAWN BY: NULL
	SQUAD LEADER: WRH	SHEET: 4 OF 49



OVERLAY TYPICAL SECTION

U.S. RTE. 5 STA 16+866 ~ 0+523
VT. RTE. 58 STA 0+000 ~ 0+252



RECONSTRUCTION TYPICAL SECTION

U.S. RTE. 5 STA 16+973 LT ~ 0+81.52 LT
(SEE SHEETS 27 ~ 29 FOR GRADE LINE)


REFER TO LAYOUT SHEETS 27, 28, 29
AND PROFILE SHEETS 34 & 35 FOR
LIMITS AND DEPTHS OF GRADE CHANGE.

NOTE: FULL DEPTH PAVEMENT DESIGN REQUIRED THROUGHOUT
RECONSTRUCTION LOCATION.

**PROJECT
TYPICAL
SHEET #3**

PROJECT NAME: BARTON
PROJECT NUMBER: STP 2107(1)S

FILE NAME: /pave/98c096/pc096wrk.dgn PLOT DATE: 21-MAY-2007 13:11
PROJECT LEADER: WOOLAVER DRAWN BY: JLR
DESIGNED BY: JLR CHECKED BY:
pc096ty03.i SHEET 5 OF 49

LOCATION			CURBED SIDEWALKS					DROP INLETS					GUARDRAIL							MISC.			REMARKS			
STATION	STATION	POS.	203.15 COMM. EXCAV.	301.28 SUBBASE OF CR. GRAV. (FINE)	616.21 VERTICAL GRANITE CURB	618.10 PORT. CEM. CONC. SDWK. 125 mm	604.40 CHANGE ELEV. D.I.	604.412 REHAB. D.I. CLASS I	604.415 REHAB. D.I. CLASS II	616.35 TIMBER CURB	621.20 STEEL BEAM G.R.	621.20 S.B. G.R. (2.4 m POST) (MOD)	621.21 H.D. BEAM G.R.	621.505 MTS (TANGENT)	621.505 MTS (FLARED)	621.60 ANCHOR FOR G.R.	621.75 REMOVE & RESET G.R.	621.80 REMOVE & DISP. G.R.	621.81 REMOVE & DISP. G.P.	621.53 TERMINAL CONN. FOR S.B.G.R.	621.53(MOD) TERMINAL CONN. FOR S.B.G.R.	601.0005 300 mm CSP 1.63mm (68 mm x 12 mm)			617.10 RELOCATE MAILBOX, SINGLE SUPPORT	
9+631	BARTON 17+341		m3	+	m	m2	EA 3	EA 12	EA	m	m	m	m	EA	EA	EA	m	m	EA	EA	EA	m	EA	FOR LOCATIONS SEE LAYOUT SHEETS. ESTIMATED QUANTITY TO BE USED AS DIRECTED BY THE RESIDENT ENGINEER.		
9+631	16+861	LT&RT		2868																				SUBBASE FOR SHOULDERS		
9+734	9+745	LT													1			11						REMOVE EXIST. BCT & 3.8 m RAIL, INSTALL NEW MTS		
9+785	9+975	LT													2			22						REMOVE EXIST. BCT & 3.8 m RAIL, INSTALL NEW MTS & 9+785 & 9+975; RET. EXIST SBGR		
10+264	10+287	RT									23				1	1		8				15		MTS @ 10+264, ANCHOR @ 10+287, INSTALL 1-5m RAD. PANEL, PIPE 10+256 ~ 10+271, SPAN BRIDGE #164.		
10+267	10+290	LT									23				2			8						MELT @ STA 10+267, MELT @ STA 10+290, SPAN BRIDGE #164		
10+325	10+396	LT													2			22						REMOVE EXIST. MELT & 3.8 M RAIL; INSTALL NEW MTS @ 10+325 & 10+396		
10+473	10+572	LT													2			22						REMOVE EXIST. MELT & 3.8 M RAIL; INSTALL NEW MTS @ 10+473 & 10+572		
10+602	10+648	LT													2			22						REMOVE EXIST. MELT & 3.8 M RAIL; INSTALL NEW MTS @ 10+602 & 10+648		
10+680	10+703	LT									15		10		1			29						MELT @ 10+680, APPROACH RAIL SCHEDULE 1 STA 10+695 TO 10+703		
10+688	10+703	RT									8		10			2		13						2 ANCHORS @ STA 10+688, INSTALL BURIED END SECTION, APPROACH RAIL SCHEDULE 1 STA 10+695 TO 10+703		
10+715	10+728	LT									4		13		1			17						APPROACH RAIL SCHEDULE 11 STA 10+715 TO 10+724, MELT @ STA 10+728 STA 10+695 TO 10+703		
10+715	10+952	RT										228	13					237						APPROACH RAIL SCHEDULE 11 STA 10+715 TO 10+724, ATTACH TO EXIST. GUARDRAIL @ STA 10+952		
11+389	11+416	RT								27	19		10					28		1				ATTACH TO EXIST GUARDRAIL @ STA 11+389, INSTALL TERMINAL CONNECTOR STA 11+408 TO 11+416 ATTACH TO EXIST. PYLON @ STA 11+416, TTC 11+389 TO 11+416		
11+394	11+421	LT									19					1		28		1				ANCHOR @ STA 11+394, INSTALL 2-5m RADIUS PANELS, TERMINAL CONNECTOR STA 11+413 TO 11+421, ATTACH TO EXIST PYLON STA 11+421		
11+456	11+468	RT								14	4				1			19		1		15		TERMINAL CONNECTOR STA 11+456 TO 11+464, ATTACH TO EXIST PYLON STA 11+456, MELT @ STA 11+468, TTC 11+456 TO 11+470, PIPE @ STA 11+460 TO 11+475		
11+458	11+485	LT									19				1			37		1				TERMINAL CONNECTOR STA 11+458 TO 11+466, ATTACH TO EXIST PYLON STA 11+458, MELT @ STA 11+485		
11+652	11+945	LT										293			2			314						MELT @ STA 11+652, MELT @ 11+945		
12+152	12+319	LT									167				2			187						MELT @ STA 12+152, MELT @ STA 12+319		
12+585	12+620	RT									27		10		1			46						MELT @ STA 12+585, APPROACH RAIL SCHEDULE 1 STA 12+612 TO 12+620		
12+598	12+617	LT									11		10		1			31						MELT @ STA 12+598, APPROACH RAIL SCHEDULE 1 STA 12+609 TO 12+617		
12+643	12+674	LT									23		10		1			45						APPROACH RAIL SCHEDULE 1 STA 12+643 TO 12+651, MELT @ STA 12+674		
12+646	12+665	RT									11		10		1			31						APPROACH RAIL SCHEDULE 1 STA 12+646 TO 12+654, MELT @ STA 12+665		
12+688		LT																					1			
12+850	12+861	RT													1			11						REMOVE EXIST BCT & 3.8 M RAIL, INSTALL NEW MTS		
12+910		RT																					1			
13+178	13+216	RT									38				2									MELT @ STA 13+178, MELT @ STA 13+216		
13+918	13+937	LT									19					2								ANCHOR @ STA 13+918, ANCHOR @ STA 13+937, INSTALL 1-5m RADIUS PANEL @ EACH, SPAN BRG #168		
13+920	13+939	RT									19				2									MELT @ STA 13+920, MELT @ STA 13+939, SPAN BRIDGE #168		
14+091	14+102	RT													1			11						REMOVE EXIST. BCT & 3.8 M RAIL, INSTALL NEW MTS		
14+179	14+190	RT													1			11						REMOVE EXIST. BCT & 3.8 M RAIL, INSTALL NEW MTS		
15+711	15+722	RT													1			11						REMOVE EXIST. BCT & 3.8 M RAIL, INSTALL NEW MTS		
16+232	16+243	RT													1			11						REMOVE EXIST. BCT & 3.8 M RAIL, INSTALL NEW MTS		
16+654	16+665	RT													1			11						REMOVE EXIST. BCT & 3.8 M RAIL, INSTALL NEW MTS		
16+670	16+771	RT													1			11						REMOVE EXIST. BCT & 3.8 M RAIL, INSTALL NEW MTS		
0+056	VT. RTE. 58 0+278	RT									222				1			233			1			MTS @ 0+056, TERM. CONN. (MOD.) @ 0+278		
0+380	IRASBURG--US 5 0+391	RT													1			11						REMOVE EXIST. BCT & 3.8 M RAIL, INSTALL NEW MTS		
0+694	0+705	RT													1			11						REMOVE EXIST. BCT & 3.8 M RAIL, INSTALL NEW MTS		
SHEET TOTALS				2868			3	12		41	671	521	96		38	6		1509		4	1	30	2	ITEM DETAIL SHEET	PROJECT : BARTON-IRASBURG	PROJECT NO. : STP 2107(I)S
ROUNDING				32			-	-		4	9	9	-	-	-	-		41		-	-	-	-		DESIGN FILE NAME: pave/98c096/pc096.dgn	PLOT DATE: 21-MAY-2007 13
PROJECT TOTALS				2900			3	12		45	680	530	96		38	6		1550		4	1	30	2		SURVEYED BY: CLD ENGINEERS INC	SURVEY DATE: 6/99
																									SQUAD LEADER: MW	DRAWN BY: JLR

THIS SHEET NOT USED FOR RECORD PLANS. SEE LAYOUT SHEETS FOR DETAIL.

TEMPORARY AND DURABLE 100 mm YELLOW LINE
 9+615 STA ~~9+631~~ TO 9+750 SOLID RT & LT
 STA ~~9+850~~ TO 9+900 SOLID LT, DASHED RT
 9+818

TEMPORARY AND DURABLE 100 mm WHITE LINE
 9+615 STA ~~9+631~~ TO 9+750 SOLID LT & RT
 STA 9+850 TO 9+900 SOLID LT & RT

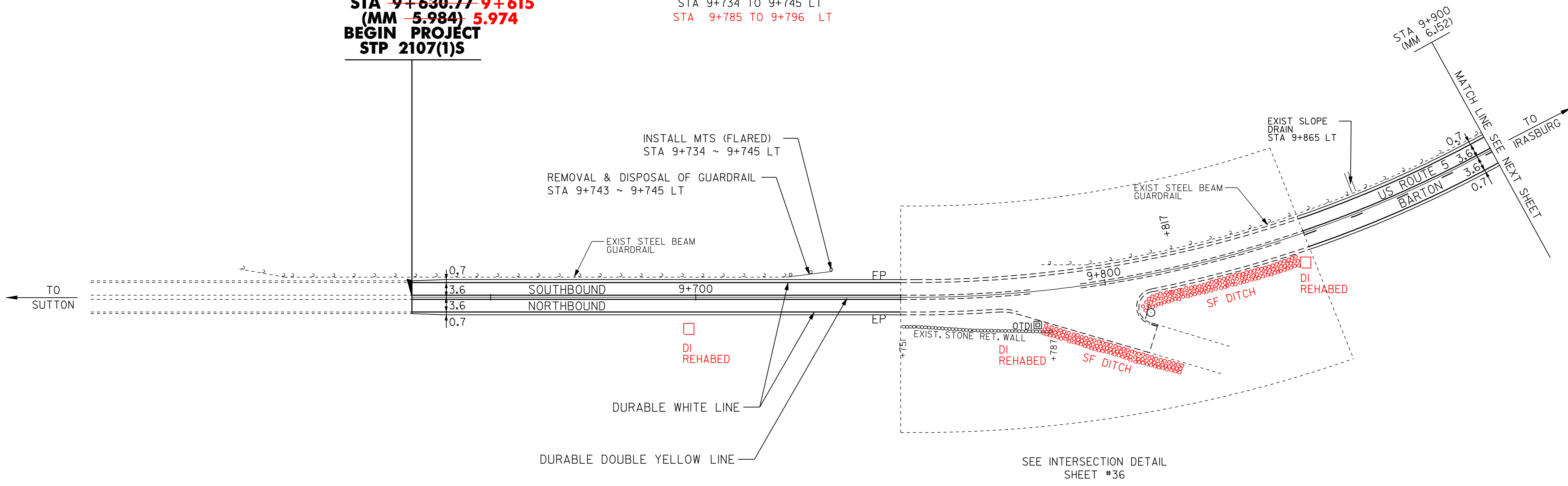
CHANGING ELEV. OF DI, CB OR MH
 REHABILITATION OF DI, CB OR MH CLASS I
 STA 9+699 RT
 STA 9+797 RT
 STA 9+850 RT
 BITUMINOUS CONCRETE GUTTERS & TRAFFIC ISLANDS
~~STA 9+865 LT~~

REMOVAL AND DISPOSAL OF GUIDE POSTS
 STA 9+631 RT (-2) 3
~~STA 9+656 RT (-1)~~

REMOVL AND DISPOSAL OF GUARDRAIL
 STA 9+734 TO 9+745 LT
 STA 9+785 TO 9+796 LT

MANUFACTURED TERMINAL SECTION (FLARED)
 STA 9+734 TO 9+745 LT
 STA 9+785 TO 9+796 LT

US ROUTE 5
STA ~~9+630.77~~ 9+615
(MM ~~5.984~~ 5.974
BEGIN PROJECT
STP 2107(1)S



DURABLE WHITE LINE
 DURABLE DOUBLE YELLOW LINE

SEE INTERSECTION DETAIL SHEET #36

LEGEND

- R = REMOVE EXISTING
- S = SALVAGE
- R&S = REMOVE AND SALVAGE
- N = NEW
- RET = RETAIN
- B-B = BACK TO BACK
- = NEW RAIL
- - - = EXISTING RAIL
- ⊗ = BORING LOCATION

NOTE: ALL DIMENSIONS IN METERS EXCEPT AS INDICATED

DATUM	
VERTICAL	N/A
HORIZONTAL	N/A

NOT TO SCALE

PAVING PROJECT LAYOUT #1	PROJECT: BARTON-IRASBURG	PROJECT NO.: STP 2107(1)S
	DESIGN FILE NAME: pave/98c096/pc096.dgn	PLOT DATE: 21-MAY-2007
	IPARM FILE NAME: pc096i01.i	SURVEY DATE: 6/99
	SURVEYED BY: CLD ENGINEERS INC	DRAWN BY: NLL
	SQUAD LEADER: WRH	SHEET: 12 OF 49

TEMPORARY AND DURABLE 100 mm YELLOW LINE
 STA 9+900 TO ~~10+042~~ SOLID LT, DASHED RT 10+039
 STA ~~10+042~~ TO ~~10+171~~ DASHED 10+175
 STA ~~10+171~~ TO ~~10+396~~ DASHED LT, SOLID RT 10+402
 STA ~~10+396~~ TO 10+600 SOLID LT & RT

REMOVE AND DISP GUARDRAIL
 STA 9+964 ~ 10+283 LT
 STA 10+275 ~ 10+283 RT
 STA 10+275 ~ 10+283 LT
 STA 10+325 ~ 10+336 LT
 STA 10+385 ~ 10+396 LT
 STA 10+473 ~ 10+484 LT
 STA 10+561 ~ 10+572 LT

STEEL BEAM GUARDRAIL
 10+275 STA ~~10+264~~ TO ~~10+287~~ RT 10+302
 10+275 STA ~~10+267~~ TO ~~10+290~~ LT 10+298

 CHANGING ELEV. OF DI, CB OR MH
 REHABILITATION OF DI, CB OR MH CLASS I
 STA 10+507 RT
 STA 10+060 RT
 STA 10+090 RT

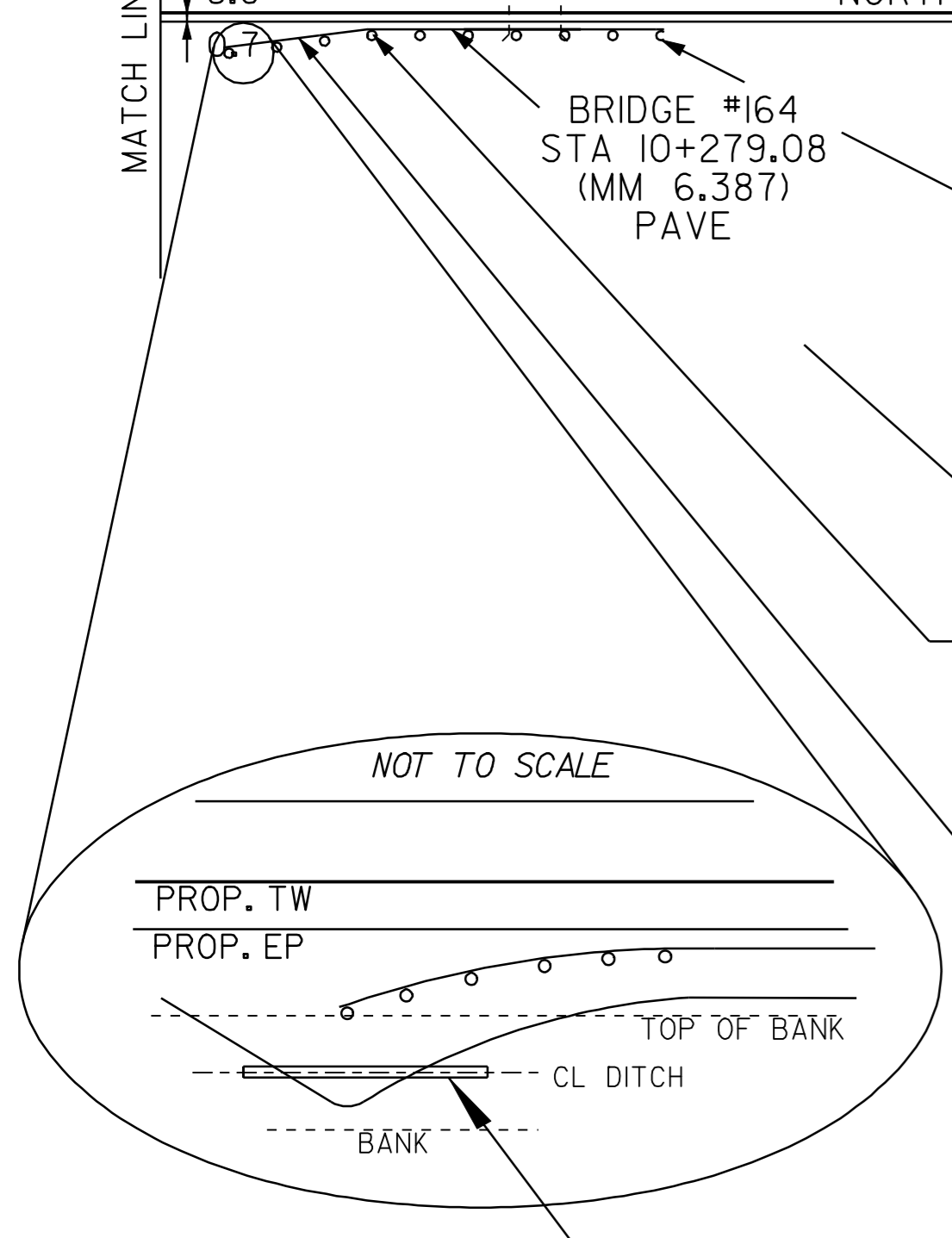
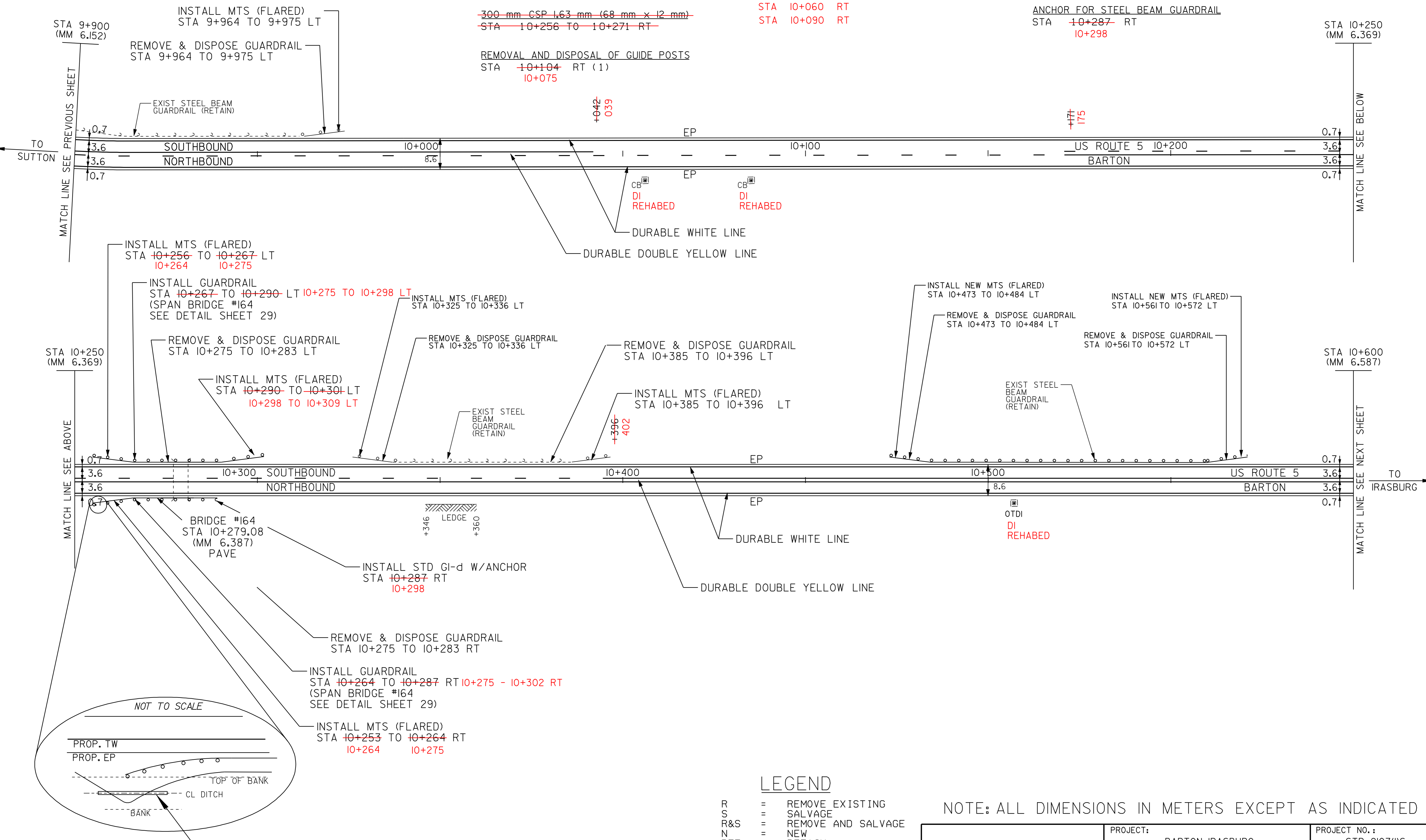
MANUFACTURED TERMINAL SECTION (FLARED)
 STA 9+964 - STA 9+975 LT
 STA 10+264 RT - 10+275
 STA 10+267 LT - 10+275
 STA ~~10+290~~ LT 10+298 - 10+309 LT
 STA 10+325 LT - 10+336 LT
 STA 10+385 LT - 10+396 LT
 STA 10+473 LT - 10+484 LT
 STA 10+561 LT - 10+572 LT

TEMPORARY AND DURABLE 100 mm WHITE LINE
 STA 9+900 TO 10+600 SOLID LT & RT

~~300 mm CSP 1.63 mm (68 mm x 12 mm)~~
~~STA 10+256 TO 10+271 RT~~

REMOVAL AND DISPOSAL OF GUIDE POSTS
 STA ~~10+104~~ RT (1)
 10+075

ANCHOR FOR STEEL BEAM GUARDRAIL
 STA ~~10+287~~ RT
 10+298



DATUM	
VERTICAL	N/A
HORIZONTAL	N/A

~~NEW 300 mm x 15 m CSP (1.63 mm)~~
 EXISTING PIPE WAS THERE AND USED

NOT TO SCALE

- LEGEND**
- R = REMOVE EXISTING
 - S = SALVAGE
 - R&S = REMOVE AND SALVAGE
 - N = NEW
 - RET = RETAIN
 - B-B = BACK TO BACK
 - = NEW RAIL
 - - - = EXISTING RAIL
 - ⊗ = BORING LOCATION

NOTE: ALL DIMENSIONS IN METERS EXCEPT AS INDICATED

PAVING PROJECT LAYOUT #2	PROJECT: BARTON-IRASBURG	PROJECT NO.: STP 2107(I)S
	DESIGN FILE NAME: pave/98c096/pc096.dgn	PLOT DATE: 21-MAY-2007
	IPARM FILE NAME: pc096i02.i	SURVEY DATE: 6/99
	SURVEYED BY: CLD ENGINEERS INC	DRAWN BY: NLL
	SQUAD LEADER: WRH	SHEET: 13 OF 49

TEMPORARY AND DURABLE 100 mm YELLOW LINE

STA 10+600 TO 10+741 SOLID LT & RT
 STA 10+747 DOUBLE SOLID LT (TH 34)
 STA 10+753 TO 10+950 SOLID LT & RT

TEMPORARY AND DURABLE 100 mm WHITE LINE

STA 10+600 TO 10+743 SOLID LT
 STA 10+600 TO 10+950 SOLID RT
 STA 10+751 TO 10+950 SOLID LT

TEMPORARY AND DURABLE LETTER OR SYMBOL

STA 10+747 LT "STOP" (TH 34)

TEMPORARY AND DURABLE 600 mm STOP BAR

STA 10+747 LT (TH 34)

CHANGING ELEV. OF DI, CB OR MH

REHABILITATION OF DI, CB OR MH CLASS I
~~STA 10+718 RT~~
 NO WORK

STEEL BEAM GUARDRAIL

10+688 STA ~~10+680~~ TO ~~10+695~~ LT 10+696
 10+693 STA ~~10+688~~ TO ~~10+695~~ RT 10+704
 10+727 STA ~~10+724~~ TO ~~10+728~~ LT 10+739
 10+735 TO 10+890 LT

HEAVY DUTY STEEL BEAM GUARDRAIL

10+704 STA ~~10+695~~ TO ~~10+703~~ RT 10+712
 10+696 STA ~~10+695~~ TO ~~10+703~~ LT 10+704
 10+717 STA ~~10+715~~ TO ~~10+724~~ LT 10+727
 10+725 STA ~~10+715~~ TO ~~10+724~~ RT 10+735

STEEL BEAM GUARDRAIL (2.4 m POSTS)(MOD)

STA ~~10+724~~ TO ~~10+950~~ RT
 10+890 TO 10+997

ANCHOR FOR STEEL BEAM GUARDRAIL

STA ~~10+688~~ RT (-2)
 10+697 RT (I)
 10+701 RT (I)
 10+735 RT (I)

MANUFACTURED TERMINAL SECTION (FLARED)

STA 10+602 LT - 10+613
 STA 10+637 LT - 10+648
 STA ~~10+680~~ LT 10+677 - 10+688 LT
 STA ~~10+728~~ LT

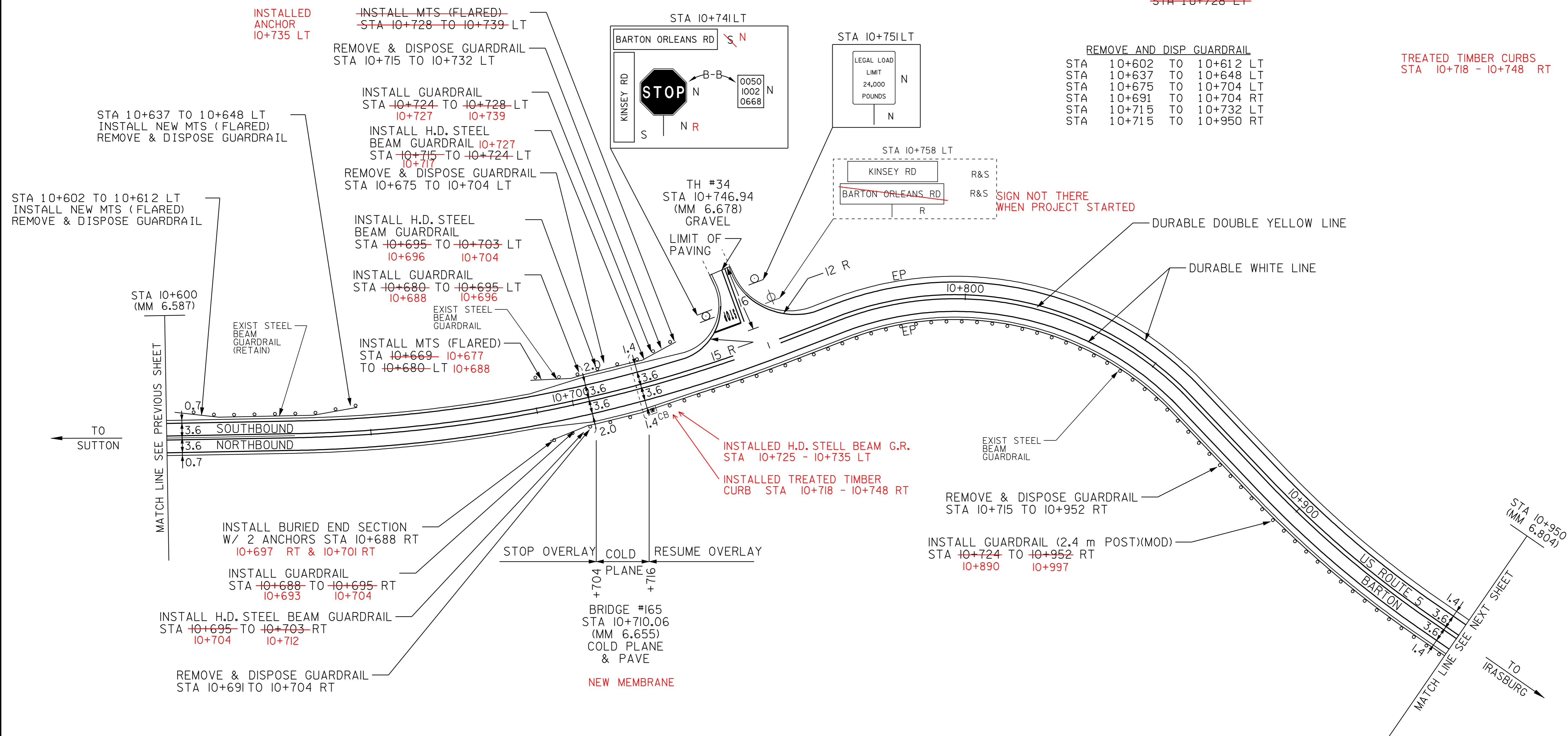
REMOVING SIGNS
 AS SHOWN - 2

ERECTING SALVAGED SIGNS
 AS SHOWN - 2

REMOVE AND DISP GUARDRAIL

STA 10+602 TO 10+612 LT
 STA 10+637 TO 10+648 LT
 STA 10+675 TO 10+704 LT
 STA 10+691 TO 10+704 RT
 STA 10+715 TO 10+732 LT
 STA 10+715 TO 10+950 RT

TREATED TIMBER CURBS
 STA 10+718 - 10+748 RT



LEGEND

- R = REMOVE EXISTING
- S = SALVAGE
- R&S = REMOVE AND SALVAGE
- N = NEW
- RET = RETAIN
- B-B = BACK TO BACK
- = NEW RAIL
- = EXISTING RAIL
- ⊗ = BORING LOCATION

NOTE: ALL DIMENSIONS IN METERS EXCEPT AS INDICATED

DATUM	
VERTICAL	N/A
HORIZONTAL	N/A

NOT TO SCALE

PAVING PROJECT LAYOUT #3

PROJECT:	BARTON-IRASBURG	PROJECT NO.:	STP 2107(I)S
DESIGN FILE NAME:	pave/98c096/pc096.dgn	PLOT DATE:	21-MAY-2007
IPARM FILE NAME:	pc096i03.i	SURVEY DATE:	6/99
SURVEYED BY:	CLD ENGINEERS INC	DRAWN BY:	NLL
SQUAD LEADER:	WRH	SHEET:	14 OF 49

TEMPORARY AND DURABLE 100 mm YELLOW LINE
 STA 10+950 TO 11+350 SOLID LT & RT

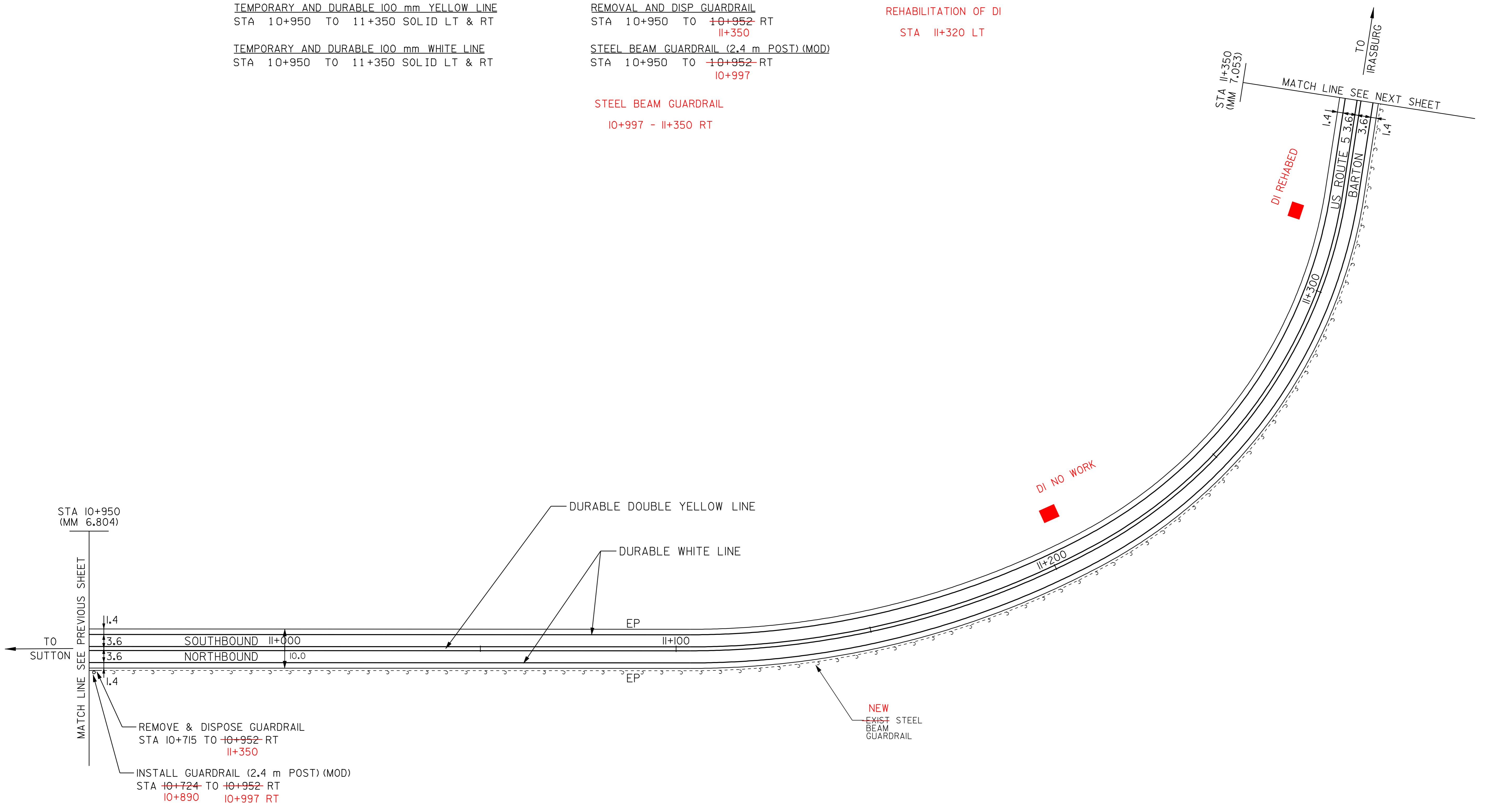
TEMPORARY AND DURABLE 100 mm WHITE LINE
 STA 10+950 TO 11+350 SOLID LT & RT

REMOVAL AND DISP. GUARDRAIL
 STA 10+950 TO ~~10+952~~ RT
 11+350

STEEL BEAM GUARDRAIL (2.4 m POST) (MOD)
 STA 10+950 TO ~~10+952~~ RT
 10+997

REHABILITATION OF DI
 STA 11+320 LT

STEEL BEAM GUARDRAIL
 10+997 - 11+350 RT



STA 10+950
 (MM 6.804)

TO
 SUTTON

MATCH LINE SEE PREVIOUS SHEET

REMOVE & DISPOSE GUARDRAIL
 STA 10+715 TO ~~10+952~~ RT
 11+350

INSTALL GUARDRAIL (2.4 m POST) (MOD)
 STA ~~10+724~~ TO ~~10+952~~ RT
 10+890 10+997 RT

DURABLE DOUBLE YELLOW LINE

DURABLE WHITE LINE

EP

11+100

EP

DI NO WORK

DI REHABED

NEW
 EXIST STEEL
 BEAM
 GUARDRAIL

STA 11+350
 (MM 7.053)

MATCH LINE SEE NEXT SHEET

TO
 IRASBURG

LEGEND

- R = REMOVE EXISTING
- S = SALVAGE
- R&S = REMOVE AND SALVAGE
- N = NEW
- RET = RETAIN
- B-B = BACK TO BACK
- = NEW RAIL
- - - = EXISTING RAIL
- ⊗ = BORING LOCATION

NOTE: ALL DIMENSIONS IN METERS EXCEPT AS INDICATED

DATUM	
VERTICAL	N/A
HORIZONTAL	N/A

NOT TO SCALE

**PAVING
 PROJECT
 LAYOUT #4**

PROJECT: BARTON-IRASBURG	PROJECT NO. : STP 2107(I)S
DESIGN FILE NAME: <u>pave/98c096/pc096.dgn</u>	PLOT DATE: <u>21-MAY-2007</u>
IPARM FILE NAME: <u>pc096i04.i</u>	SURVEY DATE: <u>6/99</u>
SURVEYED BY: <u>CLD ENGINEERS INC</u>	DRAWN BY: <u>NLL</u>
SQUAD LEADER: <u>WRH</u>	SHEET: <u>15</u> OF <u>49</u>

TEMPORARY AND DURABLE 100 mm YELLOW LINE
 STA 11+350 TO 11+700 SOLID LT & RT

TEMPORARY AND DURABLE 100 mm WHITE LINE
 STA 11+350 TO 11+700 SOLID LT & RT

BITUMINOUS CONCRETE GUTTERS & TRAFFIC ISLANDS
~~STA 11+373 RT~~

CHANGING ELEV. OF DI, CB OR MH
 REHABILITATION OF DI, CB OR MH CLASS I
 STA 11+415 RT

REMOVE AND DISP GUARDRAIL
 II+350 STA ~~11+389~~ TO 11+417 RT
 STA 11+393 TO 11+421 LT
 STA 11+456 TO 11+475 RT
 STA 11+458 TO 11+495 LT
 STA 11+641 TO 11+700 LT

STEEL BEAM GUARDRAIL
 II+350 STA ~~11+389~~ TO 11+408 RT
 II+389 STA ~~11+394~~ TO 11+413 LT
 STA 11+464 TO 11+468 RT
 STA 11+466 TO 11+485 LT

ANCHOR FOR STEEL BEAM GUARDRAIL
 STA ~~11+394~~ LT
 II+397

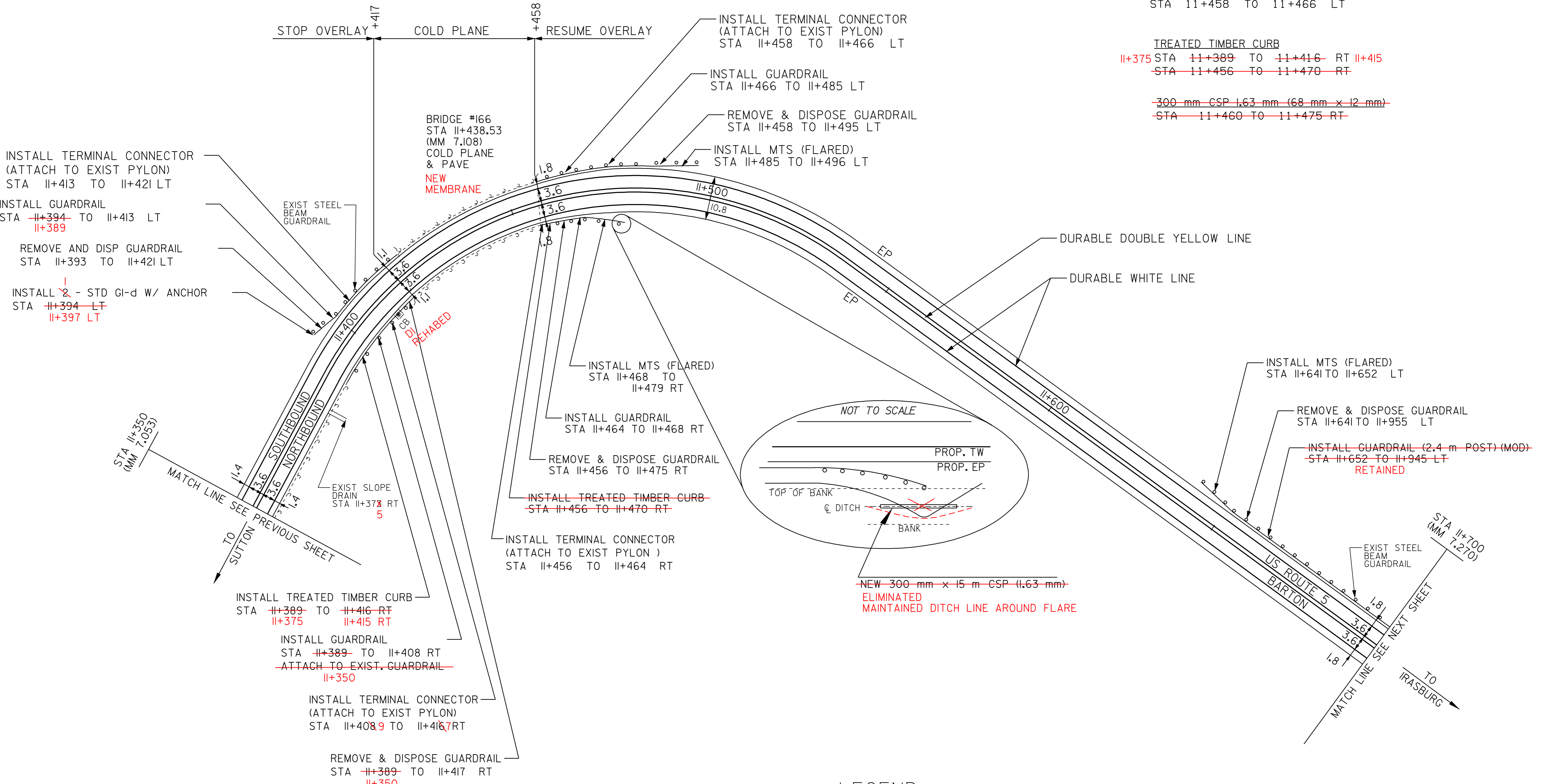
STEEL BEAM GUARDRAIL (2.4 m POST) (MOD)
~~STA 11+652 TO 11+700 LT~~
 RETAINED

MANUFACTURED TERMINAL SECTION (FLARED)
 STA 11+468 RT - II+479 RT
 STA 11+485 LT - II+496
 STA II+641 - STA 11+652 LT

TERMINAL CONNECTOR FOR STEEL BEAM GUARDRAIL
 STA 11+408 TO 11+416 RT
 STA 11+413 TO 11+421 LT
 STA 11+456 TO 11+464 RT
 STA 11+458 TO 11+466 LT

TREATED TIMBER CURB
 II+375 STA ~~11+389~~ TO ~~11+416~~ RT II+415
 STA ~~11+456~~ TO ~~11+470~~ RT

~~300 mm CSP 1.63 mm (68 mm x 12 mm)~~
~~STA 11+460 TO 11+475 RT~~



INSTALL TERMINAL CONNECTOR
 (ATTACH TO EXIST PYLON)
 STA II+413 TO II+421 LT

INSTALL GUARDRAIL
 STA ~~II+394~~ TO II+413 LT
 II+389

REMOVE AND DISP GUARDRAIL
 STA II+393 TO II+421 LT

INSTALL ~~2~~ - STD GI-d W/ ANCHOR
 STA ~~II+394~~ LT
 II+397 LT

INSTALL TREATED TIMBER CURB
 STA ~~II+389~~ TO ~~II+416~~ RT
 II+375 II+415 RT

INSTALL GUARDRAIL
 STA ~~II+389~~ TO II+408 RT
~~ATTACH TO EXIST. GUARDRAIL~~
 II+350

INSTALL TERMINAL CONNECTOR
 (ATTACH TO EXIST PYLON)
 STA II+408.9 TO II+416.7 RT

REMOVE & DISPOSE GUARDRAIL
 STA ~~II+389~~ TO II+417 RT
 II+350

INSTALL MTS (FLARED)
 STA II+468 TO II+479 RT

INSTALL GUARDRAIL
 STA II+464 TO II+468 RT

REMOVE & DISPOSE GUARDRAIL
 STA II+456 TO II+475 RT

~~INSTALL TREATED TIMBER CURB~~
~~STA II+456 TO II+470 RT~~

INSTALL TERMINAL CONNECTOR
 (ATTACH TO EXIST PYLON)
 STA II+456 TO II+464 RT

INSTALL TERMINAL CONNECTOR
 (ATTACH TO EXIST PYLON)
 STA II+458 TO II+466 LT

INSTALL GUARDRAIL
 STA II+466 TO II+485 LT

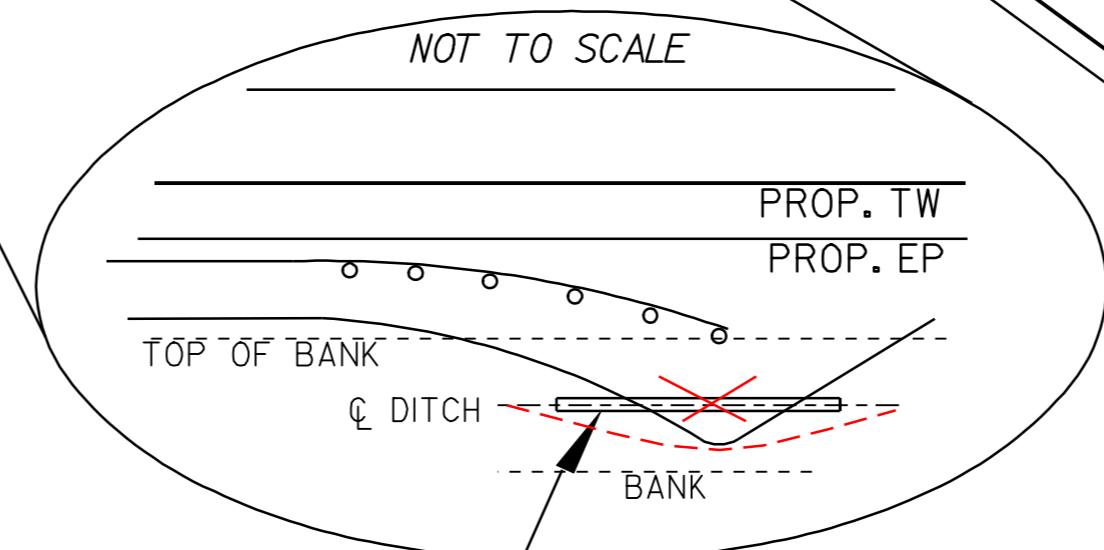
REMOVE & DISPOSE GUARDRAIL
 STA II+458 TO II+495 LT

INSTALL MTS (FLARED)
 STA II+485 TO II+496 LT

INSTALL MTS (FLARED)
 STA II+641 TO II+652 LT

REMOVE & DISPOSE GUARDRAIL
 STA II+641 TO II+955 LT

~~INSTALL GUARDRAIL (2.4 m POST) (MOD)~~
~~STA II+652 TO II+945 LT~~
 RETAINED



LEGEND

- R = REMOVE EXISTING
- S = SALVAGE
- R&S = REMOVE AND SALVAGE
- N = NEW
- RET = RETAIN
- B-B = BACK TO BACK
- = NEW RAIL
- = EXISTING RAIL
- ⊗ = BORING LOCATION

NOTE: ALL DIMENSIONS IN METERS EXCEPT AS INDICATED

PAVING PROJECT LAYOUT #5

PROJECT:	BARTON-IRASBURG	PROJECT NO.:	STP 2107(I)S
DESIGN FILE NAME:	pave/98c096/pc096.dgn	PLOT DATE:	21-MAY-2007
IPARM FILE NAME:	pc096i05.i	SURVEY DATE:	6/99
SURVEYED BY:	CLD ENGINEERS INC	DRAWN BY:	NLL
SQUAD LEADER:	WRH	SHEET:	16 OF 49

DATUM	
VERTICAL	N/A
HORIZONTAL	N/A

NOT TO SCALE

TEMPORARY AND DURABLE 100 mm YELLOW LINE
 STA 11+700 TO 12+400 SOLID LT & RT

TEMPORARY AND DURABLE 100 mm WHITE LINE
 STA 11+700 TO 12+400 SOLID LT & RT

CHANGING ELEV. OF DI, CB OR MH
 REHABILITATION OF DI, CB OR MH CLASS I

STA ~~11+790~~ RT 11+799
 STA 12+185 RT 12+194
 12+327 RT

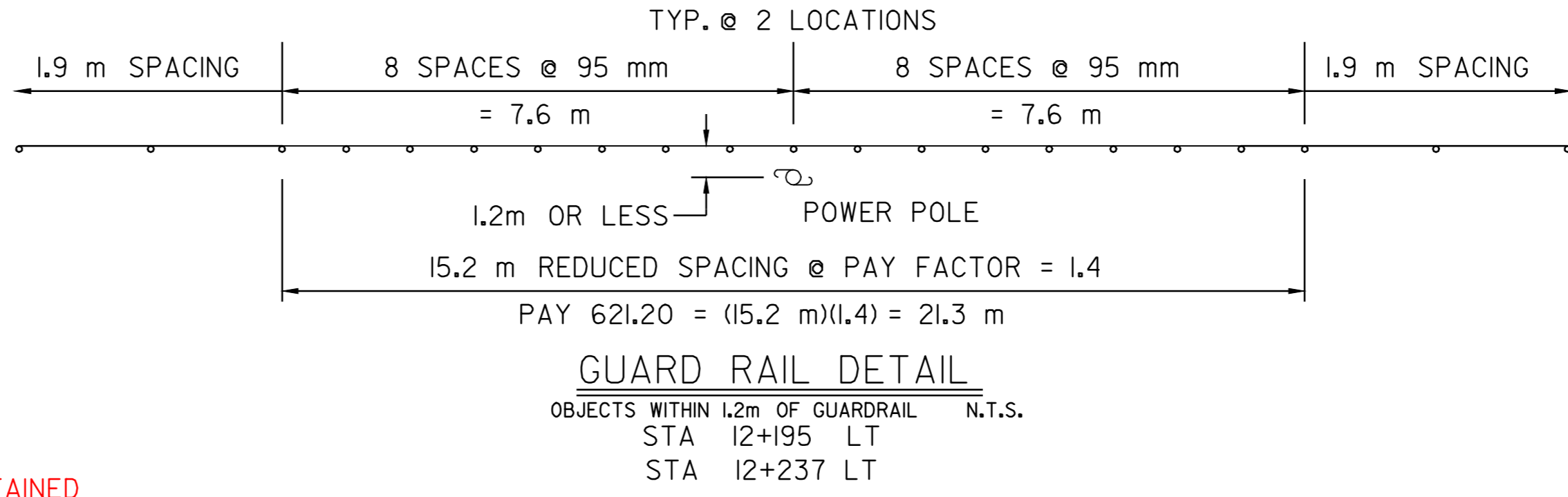
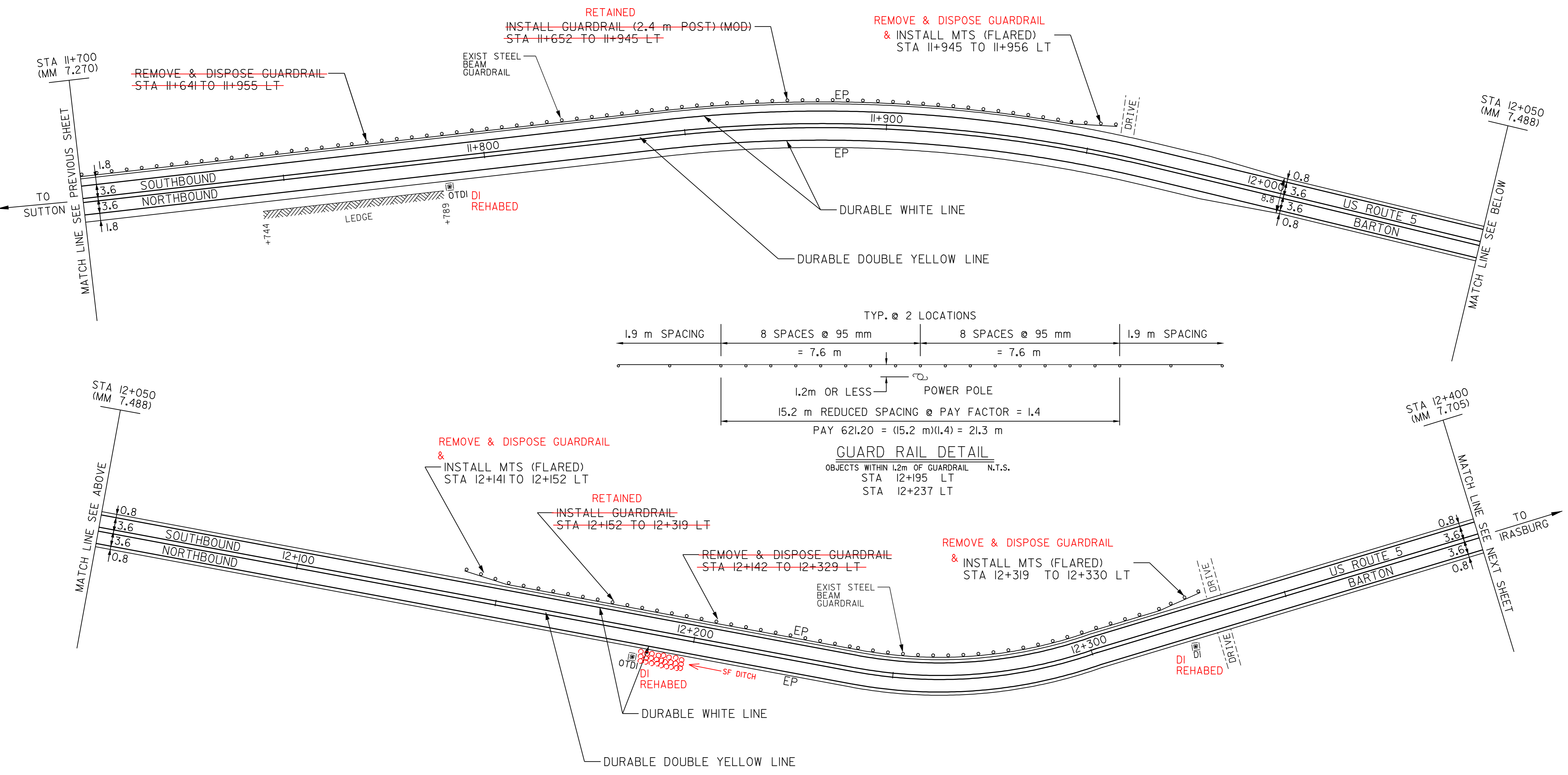
REMOVE AND DISP GUARDRAIL
~~STA 11+700 TO 11+955 LT~~
~~STA 12+142 TO 12+329 LT~~
 11+945 TO 11+956 LT
 12+141 TO 12+152 LT
 12+319 TO 12+330 LT

STEEL BEAM GUARDRAIL (2.4 m POST) (MOD)
 STA 11+700 TO 11+945 LT

~~STEEL BEAM GUARDRAIL~~
~~STA 12+152 TO 12+319 LT~~

MANUFACTURED TERMINAL SECTION (FLARED)

12+141 - STA 11+945 LT - 11+596
 STA 12+152 LT
 STA 12+319 LT - 12+330



- LEGEND**
- R = REMOVE EXISTING
 - S = SALVAGE
 - R&S = REMOVE AND SALVAGE
 - N = NEW
 - RET = RETAIN
 - B-B = BACK TO BACK
 - = NEW RAIL
 - = EXISTING RAIL
 - ⊗ = BORING LOCATION

NOTE: ALL DIMENSIONS IN METERS EXCEPT AS INDICATED

DATUM	
VERTICAL	N/A
HORIZONTAL	N/A

NOT TO SCALE

PAVING PROJECT LAYOUT #6

PROJECT:	BARTON-IRASBURG	PROJECT NO.:	STP 2107(I)S
DESIGN FILE NAME:	pave/98c096/pc096.dgn	PLOT DATE:	21-MAY-2007
IPARM FILE NAME:	pc096i06.i	SURVEY DATE:	6/99
SURVEYED BY:	CLD ENGINEERS INC	DRAWN BY:	NLL
SQUAD LEADER:	WRH	SHEET:	17 OF 49

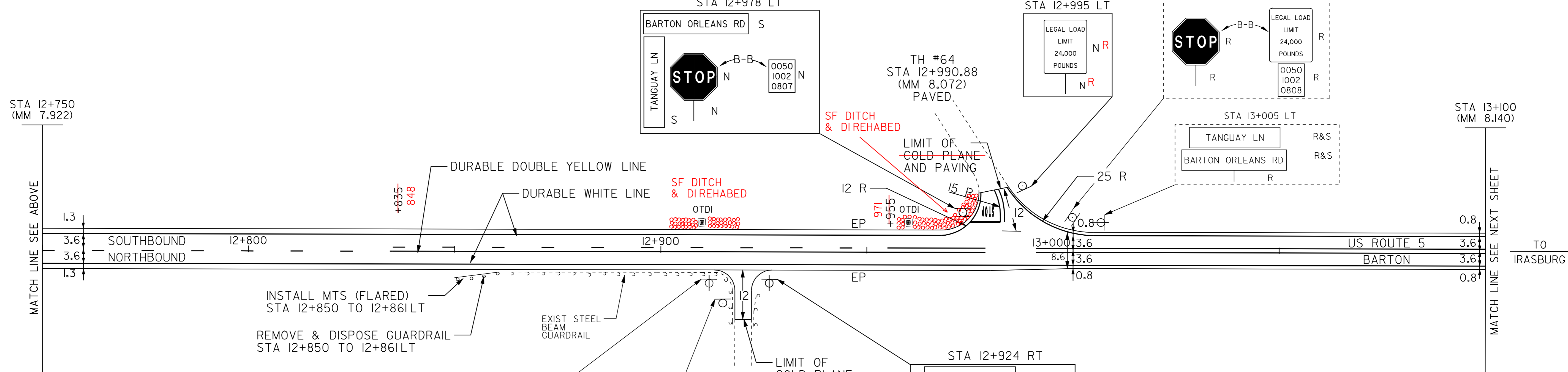
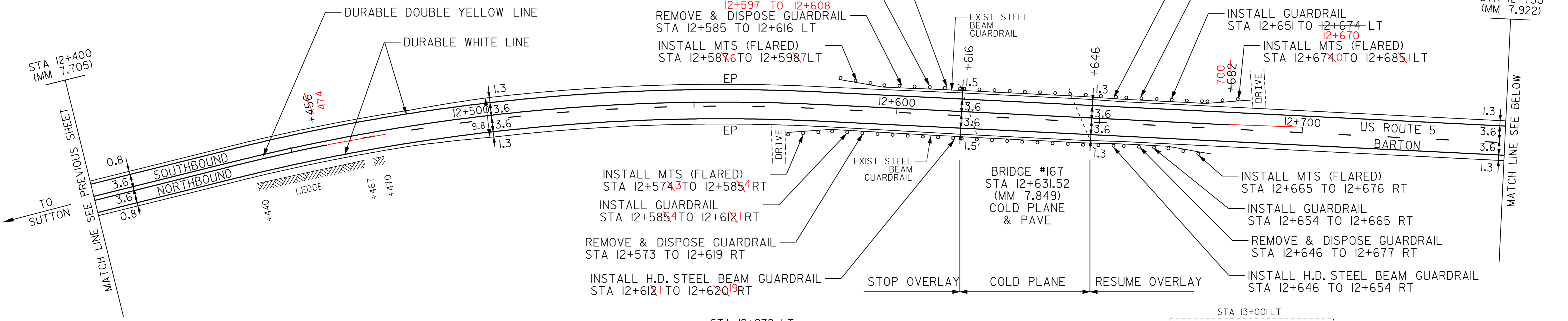
TEMPORARY AND DURABLE 100 mm YELLOW LINE
 STA 12+400 TO ~~12+456~~ SOLID LT & RT 12+474
 STA ~~12+456~~ TO ~~12+682~~ SOLID LT, DASHED RT 12+700
 STA ~~12+682~~ TO ~~12+835~~ DASHED 12+848
 STA ~~12+835~~ TO ~~12+955~~ DASHED LT, SOLID RT 12+971
 STA ~~12+955~~ TO 12+979 SOLID LT & RT
 STA 12+991 DOUBLE SOLID LT (TH 64)
 STA 12+991 TO 13+100 SOLID LT & RT

CHANGING ELEV. OF DI, CB OR MH
 REHABILITATION OF DI, CB OR MH CLASS I
 STA 12+910 LT 12+920
 STA 12+960 LT 12+969
RELOCATING MAILBOX - SINGLE SUPPORT
~~STA 12+688 LT~~
~~STA 12+910 RT~~

TEMPORARY AND DURABLE LETTER OR SYMBOL
 STA 12+991 LT "STOP" (TH 64)
TEMPORARY AND DURABLE 600 mm STOP BAR
 STA 12+991 LT (TH 64)

REMOVING SIGNS
 AS SHOWN - 8,9
ERECTING SALVAGED SIGNS
 AS SHOWN - 4

TEMPORARY AND DURABLE 100 mm WHITE LINE
 STA 12+400 TO 12+976 SOLID LT
 STA 12+400 TO 13+100 SOLID RT
 STA 13+000 TO 13+100 SOLID LT



~~REMOVAL AND DISPOSAL OF GUIDE POSTS~~
~~STA 12+819 TO 12+849 LT (15)~~

STEEL BEAM GUARDRAIL
 STA 12+585.4 TO 12+612.1 RT
 STA 12+598.7 TO 12+609.8 LT
 STA 12+651 TO 12+674.0 LT
 STA 12+654 TO 12+665 RT

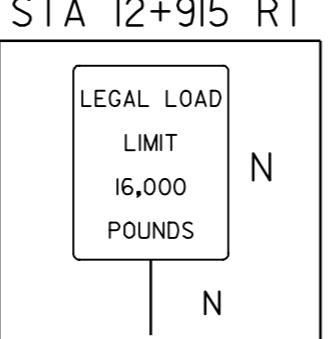
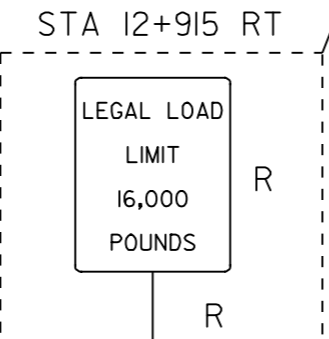
REMOVE AND DISP GUARDRAIL
 STA 12+573 ~ 12+619 RT
 STA 12+585 ~ 12+616 LT
 STA 12+643 ~ 12+688 LT
 STA 12+646 ~ 12+677 RT
 STA 12+850 ~ 12+861 LT

MANUFACTURED TERMINAL SECTION (FLARED)

12+586 - STA 12+598.7 LT
 STA 12+674.0 LT - 12+681
 STA 12+665 RT - 12+676
 STA 12+850 LT - 12+861

HEAVY DUTY STEEL BEAM GUARDRAIL

STA 12+609.8 TO 12+617.6 LT
 STA 12+612.1 TO 12+620.1 RT 12+619
 STA 12+643 TO 12+651 LT
 STA 12+646 TO 12+654 RT



- LEGEND**
- R = REMOVE EXISTING
 - S = SALVAGE
 - R&S = REMOVE AND SALVAGE
 - N = NEW
 - RET = RETAIN
 - B-B = BACK TO BACK
 - = NEW RAIL
 - = EXISTING RAIL
 - ⊗ = BORING LOCATION

NOTE: ALL DIMENSIONS IN METERS EXCEPT AS INDICATED

PAVING PROJECT LAYOUT #7

PROJECT:	BARTON-IRASBURG	PROJECT NO.:	STP 2107(I)S
DESIGN FILE NAME:	pave/98c096/pc096.dgn	PLOT DATE:	21-MAY-2007
IPARM FILE NAME:	pc096i07.i	SURVEY DATE:	6/99
SURVEYED BY:	CLD_ENGINEERS_INC	DRAWN BY:	NLL
SQUAD LEADER:	WRH	SHEET:	18 OF 49

DATUM
 VERTICAL N/A
 HORIZONTAL N/A

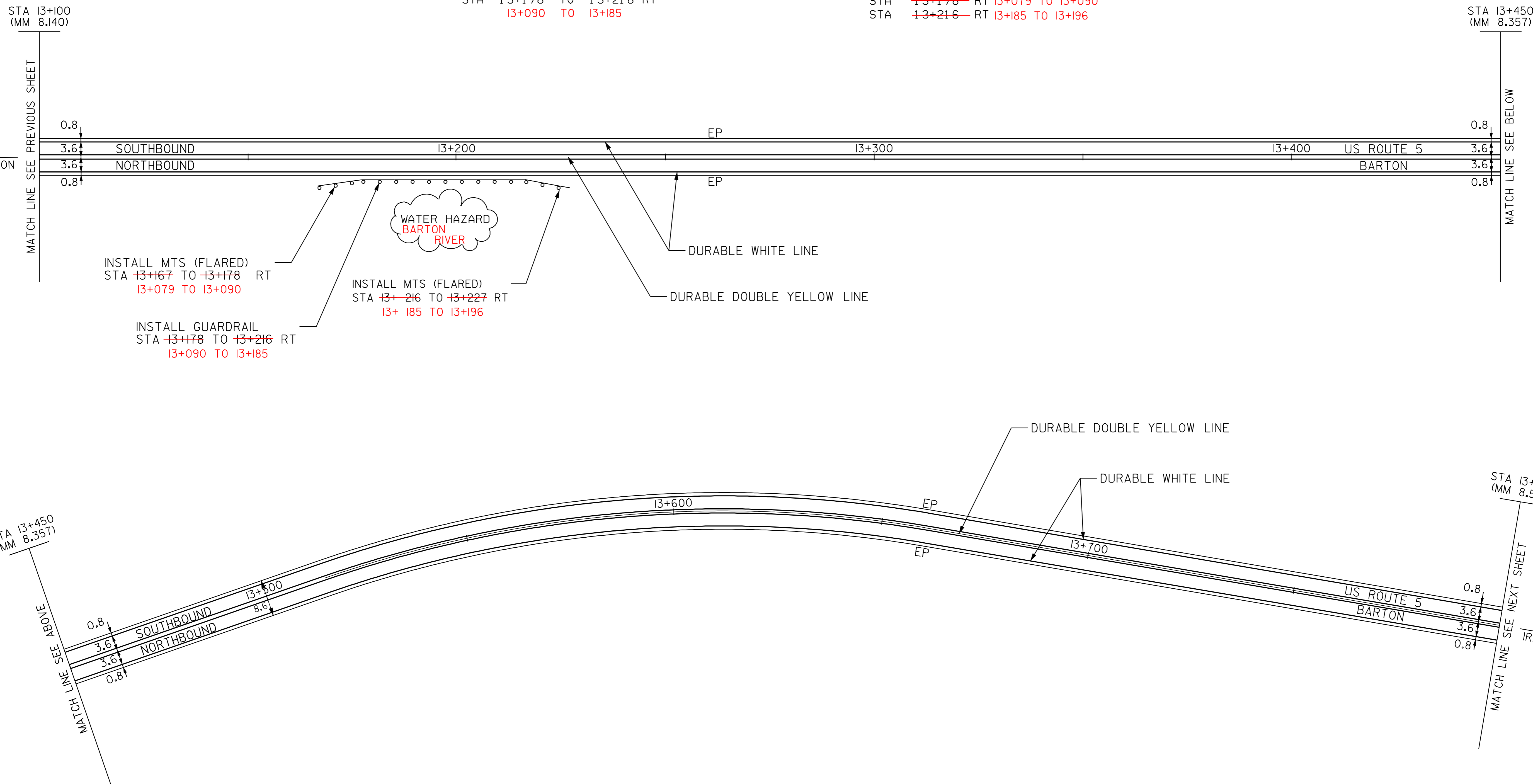
NOT TO SCALE

TEMPORARY AND DURABLE 100 mm YELLOW LINE
 STA 13+100 TO 13+800 SOLID LT & RT

TEMPORARY AND DURABLE 100 mm WHITE LINE
 STA 13+100 TO 13+800 SOLID LT & RT

STEEL BEAM GUARDRAIL
 STA ~~13+178~~ TO ~~13+216~~ RT
 13+090 TO 13+185

MANUFACTURED TERMINAL SECTION (FLARED)
 STA ~~13+178~~ RT 13+079 TO 13+090
 STA ~~13+216~~ RT 13+185 TO 13+196



STA 13+450 (MM 8.357)
 MATCH LINE SEE ABOVE

STA 13+800 (MM 8.575)
 MATCH LINE SEE NEXT SHEET

LEGEND

- R = REMOVE EXISTING
- S = SALVAGE
- R&S = REMOVE AND SALVAGE
- N = NEW
- RET = RETAIN
- B-B = BACK TO BACK
- = NEW RAIL
- = EXISTING RAIL
- ⊗ = BORING LOCATION

NOTE: ALL DIMENSIONS IN METERS EXCEPT AS INDICATED

DATUM	
VERTICAL	N/A
HORIZONTAL	N/A

NOT TO SCALE

PAVING PROJECT LAYOUT #8

PROJECT:	BARTON-IRASBURG	PROJECT NO.:	STP 2107(I)S
DESIGN FILE NAME:	pave/98c096/pc096.dgn	PLOT DATE:	21-MAY-2007
IPARM FILE NAME:	pc096i08.i	SURVEY DATE:	6/99
SURVEYED BY:	CLD ENGINEERS INC	DRAWN BY:	NLL
SQUAD LEADER:	WRH	SHEET:	19 OF 49

TEMPORARY AND DURABLE 100 mm YELLOW LINE
 STA 13+800 TO 14+004 SOLID LT & RT
 STA 14+010 DOUBLE SOLID LT (SA 6)
 STA 14+016 TO 14+150 SOLID LT & RT

TEMPORARY AND DURABLE 100 mm WHITE LINE
 STA 13+800 TO 13+998 SOLID LT
 STA 13+800 TO 14+150 SOLID RT
 STA 14+022 TO 14+150 SOLID LT

TEMPORARY AND DURABLE LETTER OR SYMBOL
 STA 14+010 LT "STOP" (SA 6)

TEMPORARY AND DURABLE 600 mm STOP BAR
 STA 14+010 LT (SA 6)

CHANGING ELEV. OF DI, CB OR MH
 REHABILITATION OF DI, CB OR MH CLASS I
 STA 14+105 LT

STEEL BEAM GUARDRAIL
~~STA 13+918 TO 13+937 LT~~
~~STA 13+920 TO 13+939 RT~~

~~ANCHOR FOR STEEL BEAM RAIL~~
~~STA 13+918 LT~~
~~STA 13+937 LT~~

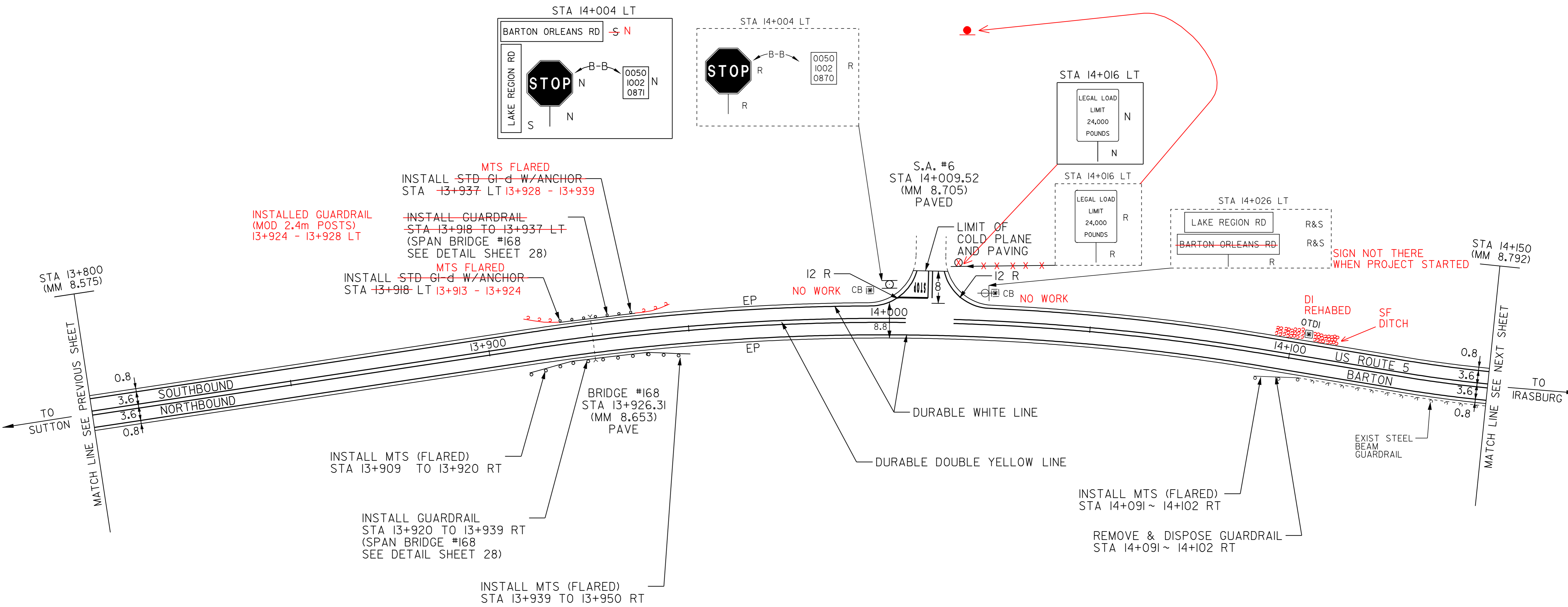
STEEL BEAM GUARDRAIL
 (MOD - 2.4m POSTS)
 STA 13+924 TO 13+928 LT

MANUFACTURED TERMINAL SECTION (FLARED)
 13+909 - STA 13+920 RT
 STA 13+939 RT - 13+950
 STA 14+091 RT - 14+102 RT
 STA 13+913 - 13+924 LT

REMOVING SIGNS
 AS SHOWN - 5- 4

ERECTING SALVAGED SIGNS
 AS SHOWN - 2- 1

REMOVE AND DISP GUARDRAIL
 STA 14+091 ~ 14+102 RT



- LEGEND**
- R = REMOVE EXISTING
 - S = SALVAGE
 - R&S = REMOVE AND SALVAGE
 - N = NEW
 - RET = RETAIN
 - B-B = BACK TO BACK
 - = NEW RAIL
 - = EXISTING RAIL
 - ⊗ = BORING LOCATION

NOTE: ALL DIMENSIONS IN METERS EXCEPT AS INDICATED

DATUM	
VERTICAL	N/A
HORIZONTAL	N/A

NOT TO SCALE

PAVING PROJECT LAYOUT #9	PROJECT: BARTON-IRASBURG	PROJECT NO.: STP 2107(I)S
	DESIGN FILE NAME: pave/98c096/pc096.dgn	PLOT DATE: 21-MAY-2007
	IPARM FILE NAME: pc096i09.i	SURVEY DATE: 6/99
	SURVEYED BY: CLD_ENGINEERS_INC	DRAWN BY: NLL
SQUAD LEADER: WRH	SHEET: 20 OF 49	

TEMPORARY AND DURABLE 100 mm YELLOW LINE
 STA 14+150 TO 14+268 SOLID LT & RT
 STA 14+274 DOUBLE SOLID RT (TH 30)
 STA 14+280 TO ~~14+291~~ SOLID LT & RT **14+306**
14+306 STA ~~14+291~~ TO 14+500 SOLID LT, DASHED RT

TEMPORARY AND DURABLE 100 mm WHITE LINE
 STA 14+150 TO 14+500 SOLID LT
 STA 14+150 TO 14+262 SOLID RT
 STA 14+286 TO 14+500 SOLID RT

TEMPORARY AND DURABLE LETTER OR SYMBOL
 STA 14+274 RT "STOP" (TH 30)

TEMPORARY AND DURABLE 600 mm STOP BAR
 STA 14+274 RT (TH 30)

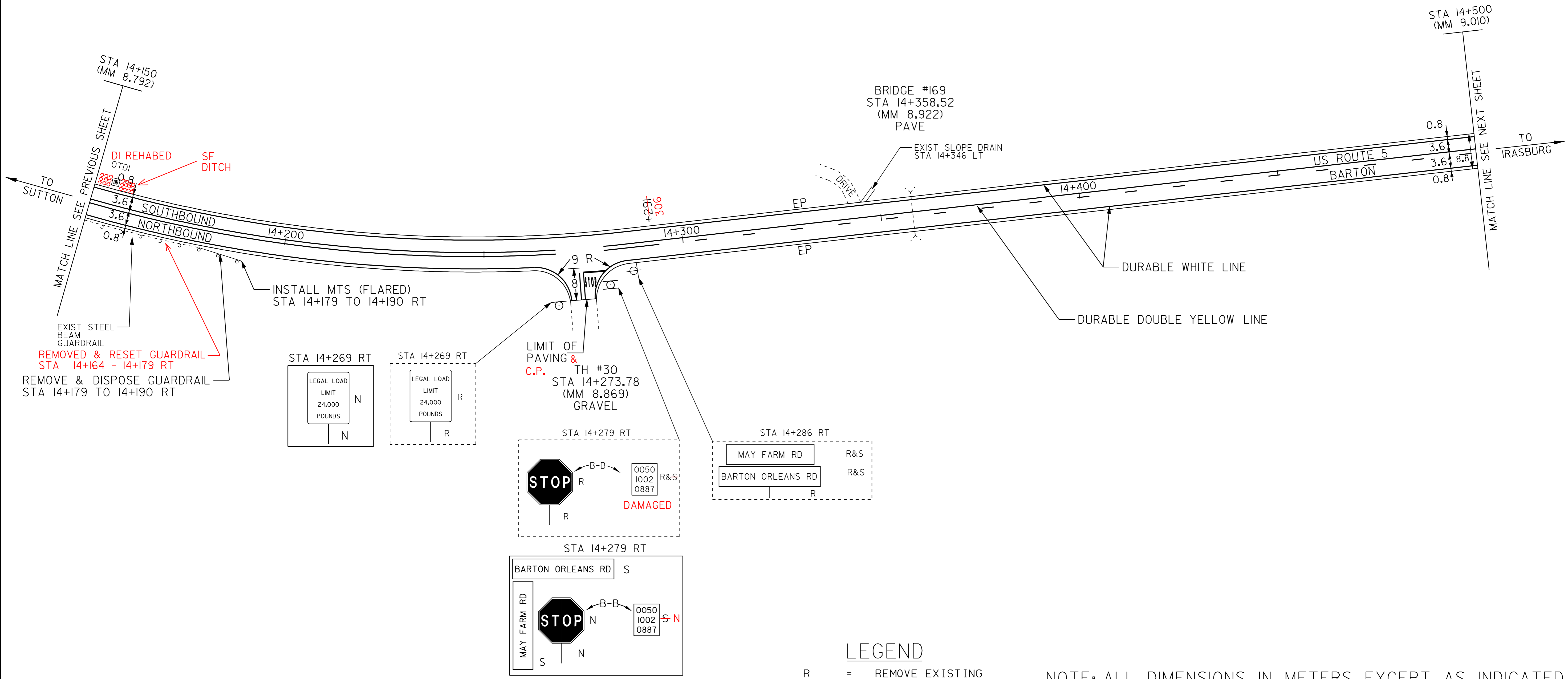
CHANGING ELEV. OF DI, CB OR MH
 REHABILITATION OF DI, CB OR MH CLASS I
 STA 14+155 LT

REMOVING SIGNS
 AS SHOWN - 5

ERECTING SALVAGED SIGNS
 AS SHOWN - 3

REMOVE AND DISP. GUARDRAIL
 STA 14+179 ~ 14+190 RT

MANUFACTURED TERMINAL SECTION (FLARED)
 STA 14+179 RT - **14+190**



- LEGEND**
- R = REMOVE EXISTING
 - S = SALVAGE
 - R&S = REMOVE AND SALVAGE
 - N = NEW
 - RET = RETAIN
 - B-B = BACK TO BACK
 - = NEW RAIL
 - = EXISTING RAIL
 - ⊗ = BORING LOCATION

NOTE: ALL DIMENSIONS IN METERS EXCEPT AS INDICATED

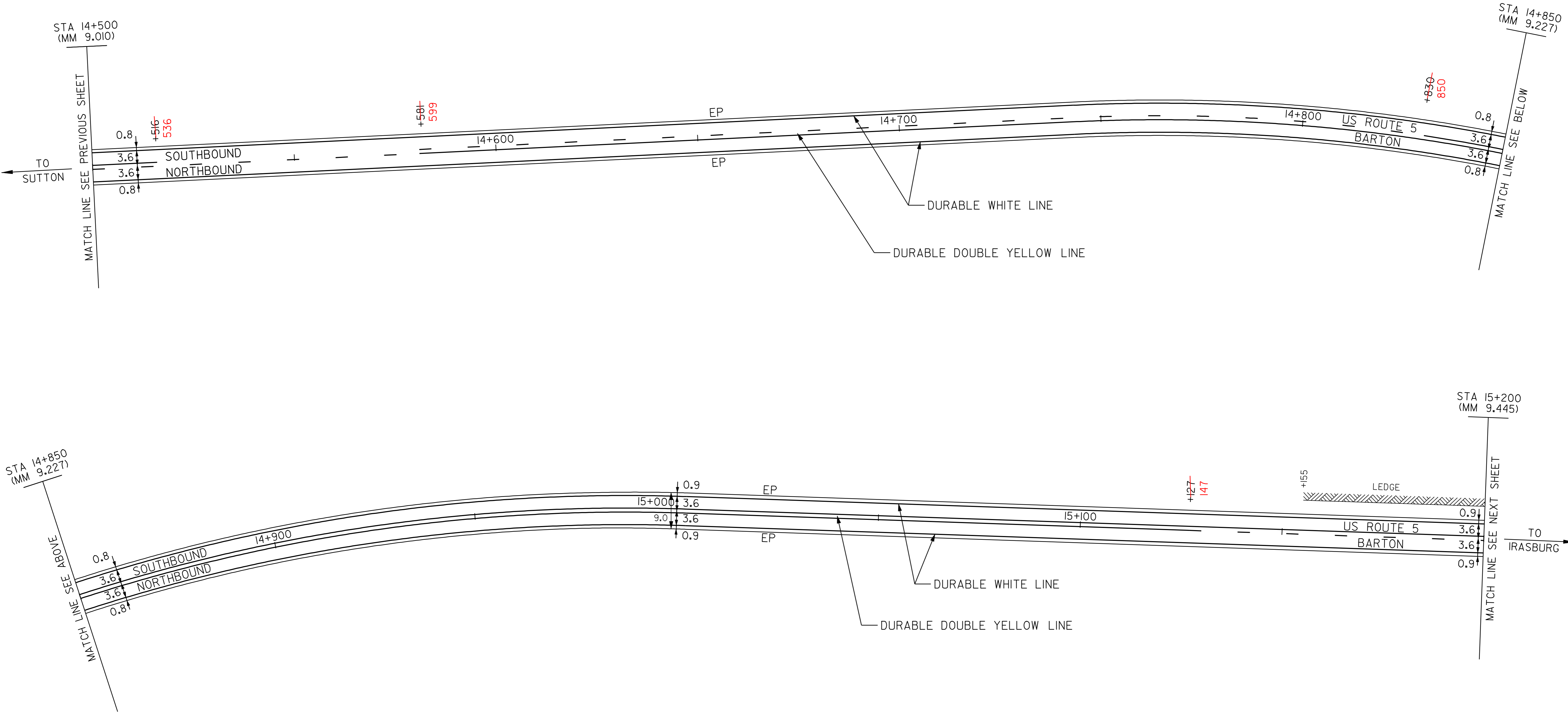
DATUM	
VERTICAL	N/A
HORIZONTAL	N/A

NOT TO SCALE

PAVING PROJECT LAYOUT #10	PROJECT: BARTON	PROJECT NO.: STP 2107(I)S
	DESIGN FILE NAME: pave/98c096/pc096.dgn	PLOT DATE: 21-MAY-2007
	IPARM FILE NAME: pc096i10.i	SURVEY DATE: 6/99
	SURVEYED BY: CLD_ENGINEERS_INC	DRAWN BY: NLL
SQUAD LEADER: WRH	SHEET: 21 OF 49	

TEMPORARY AND DURABLE 100 mm YELLOW LINE
 STA 14+500 TO ~~14+516~~ SOLID LT, DASHED RT 14+536
~~14+536~~ STA ~~14+516~~ TO ~~14+581~~ DASHED 14+599
~~14+599~~ STA ~~14+581~~ TO ~~14+830~~ DASHED LT, SOLID RT 14+850
~~14+850~~ STA ~~14+830~~ TO ~~15+127~~ SOLID LT & RT 15+147
~~15+147~~ STA ~~15+127~~ TO 15+200 SOLID LT, DASHED RT

TEMPORARY AND DURABLE 100 mm WHITE LINE
 STA 14+500 TO 15+200 SOLID LT & RT



DATUM	
VERTICAL	N/A
HORIZONTAL	N/A

NOT TO SCALE

LEGEND

R	= REMOVE EXISTING
S	= SALVAGE
R&S	= REMOVE AND SALVAGE
N	= NEW
RET	= RETAIN
B-B	= BACK TO BACK
—	= NEW RAIL
---	= EXISTING RAIL
⊗	= BORING LOCATION

NOTE: ALL DIMENSIONS IN METERS EXCEPT AS INDICATED

PAVING PROJECT LAYOUT#11	PROJECT: BARTON-IRASBURG	PROJECT NO.: STP 2107(I)S
	DESIGN FILE NAME: pave/98c096/pc096.dgn	PLOT DATE: 21-MAY-2007
	IPARM FILE NAME: pc096ill.i	SURVEY DATE: 6/99
	SURVEYED BY: CLD_ENGINEERS_INC	DRAWN BY: NLL
SQUAD LEADER: WRH	SHEET: 22 OF 49	

TEMPORARY AND DURABLE 100 mm YELLOW LINE
 STA 15+200 TO ~~15+337~~ SOLID LT, DASHED RT 15+356
 15+356 STA ~~15+337~~ TO ~~15+352~~ DASHED 15+374
 15+374 STA ~~15+352~~ TO ~~15+578~~ DASHED LT, SOLID RT 15+601
 15+601 STA ~~15+578~~ TO 15+900 SOLID LT & RT

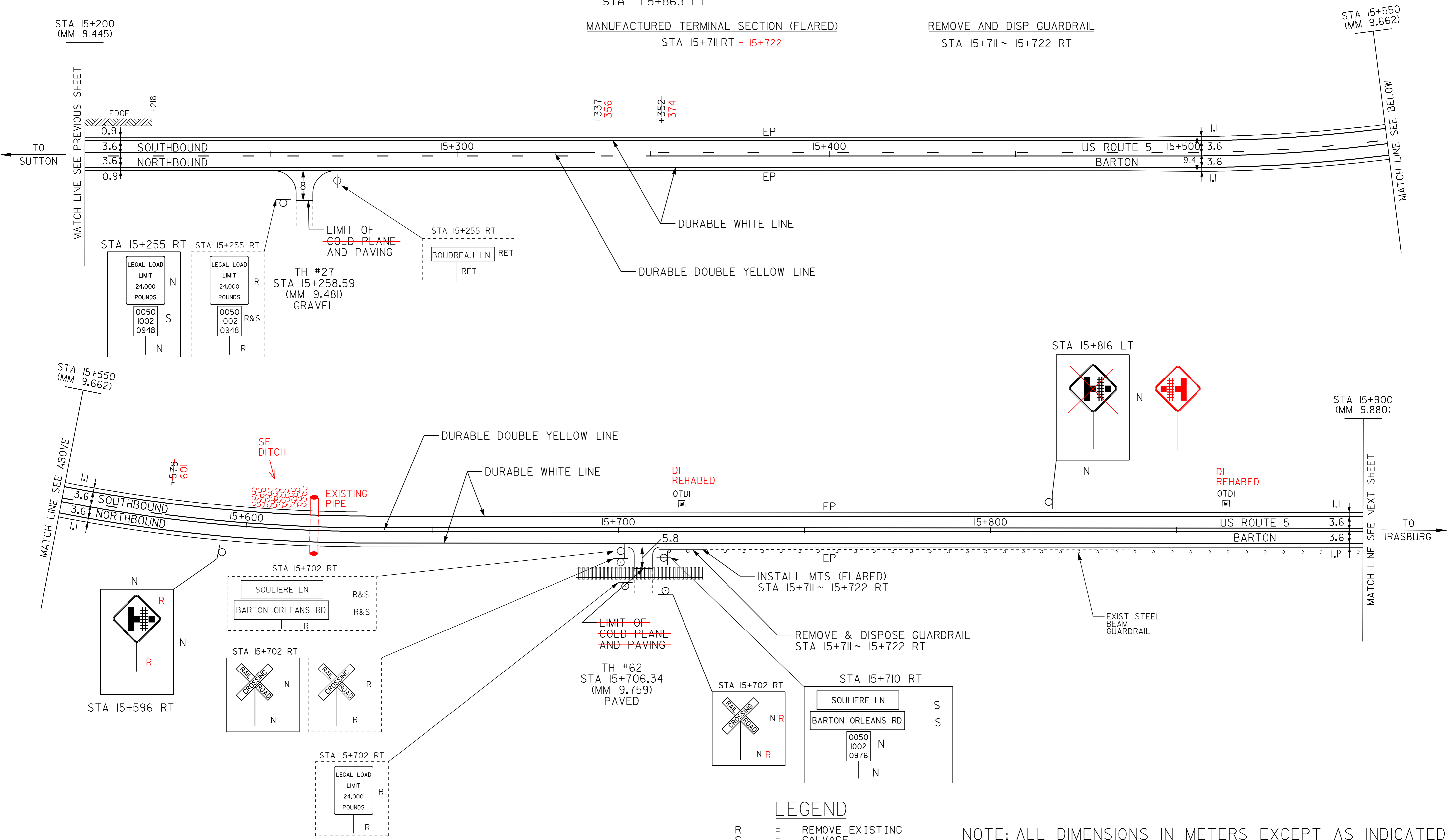
TEMPORARY AND DURABLE 100 mm WHITE LINE
 STA 15+200 TO 15+900 SOLID LT & RT
 CHANGING ELEV. OF DI, CB OR MH
 REHABILITATION OF DI, CB OR MH CLASS I
 STA 15+717 LT
 STA 15+863 LT

REMOVING SIGNS
 AS SHOWN - 5-9

ERECTING SALVAGED SIGNS
 AS SHOWN - 3

MANUFACTURED TERMINAL SECTION (FLARED)
 STA 15+711 RT - 15+722

REMOVE AND DISP GUARDRAIL
 STA 15+711 ~ 15+722 RT



DATUM	
VERTICAL	N/A
HORIZONTAL	N/A

NOT TO SCALE

- LEGEND**
- R = REMOVE EXISTING
 - S = SALVAGE
 - R&S = REMOVE AND SALVAGE
 - N = NEW
 - RET = RETAIN
 - B-B = BACK TO BACK
 - = NEW RAIL
 - = EXISTING RAIL
 - ⊗ = BORING LOCATION

NOTE: ALL DIMENSIONS IN METERS EXCEPT AS INDICATED

PAVING PROJECT LAYOUT #12

PROJECT:	BARTON-IRASBURG	PROJECT NO.:	STP 2107(I)S
DESIGN FILE NAME:	pave/98c096/pc096.dgn	PLOT DATE:	21-MAY-2007
IPARM FILE NAME:	pc096i12.1	SURVEY DATE:	6/99
SURVEYED BY:	CLD ENGINEERS INC	DRAWN BY:	NLL
SQUAD LEADER:	WRH	SHEET:	23 OF 49

TEMPORARY AND DURABLE 100 mm YELLOW LINE
 STA 15+900 TO 16+017 SOLID LT & RT
 STA 16+024 DOUBLE SOLID LT (TH 65)
 STA 16+029 TO ~~16+174~~ SOLID LT & RT **16+205**
~~16+174~~ STA ~~16+366~~ TO ~~16+366~~ DASHED LT, SOLID RT **16+389**
~~16+389~~ STA ~~16+366~~ TO 16+600 SOLID LT & RT

TEMPORARY AND DURABLE 100 mm WHITE LINE
 STA 15+900 TO 16+012 SOLID LT
 STA 15+900 TO 16+600 SOLID RT
 STA 16+036 TO 16+600 SOLID LT

TEMPORARY AND DURABLE LETTER OR SYMBOL
 STA 16+024 LT "STOP" (TH 65)

TEMPORARY AND DURABLE 600 mm STOP BAR
 STA 16+024 LT (TH 65)

CHANGING ELEV. OF DI, CB OR MH
 REHABILITATION OF DI, CB OR MH CLASS I
 STA 16+036 LT

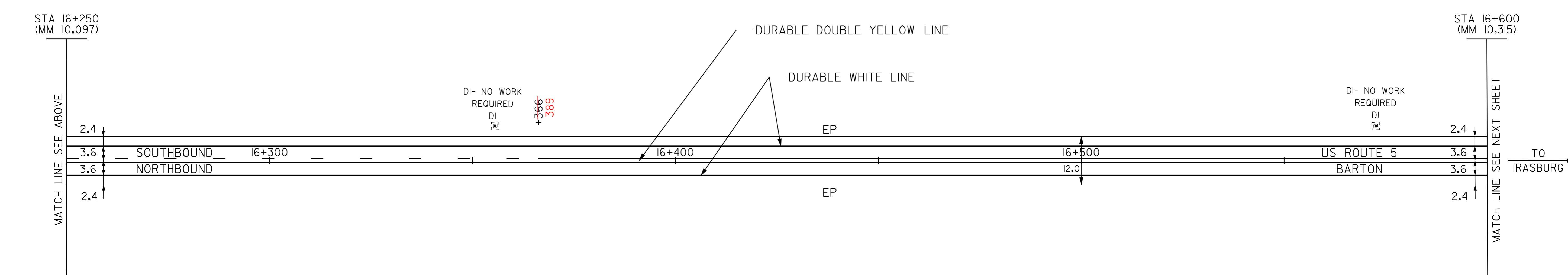
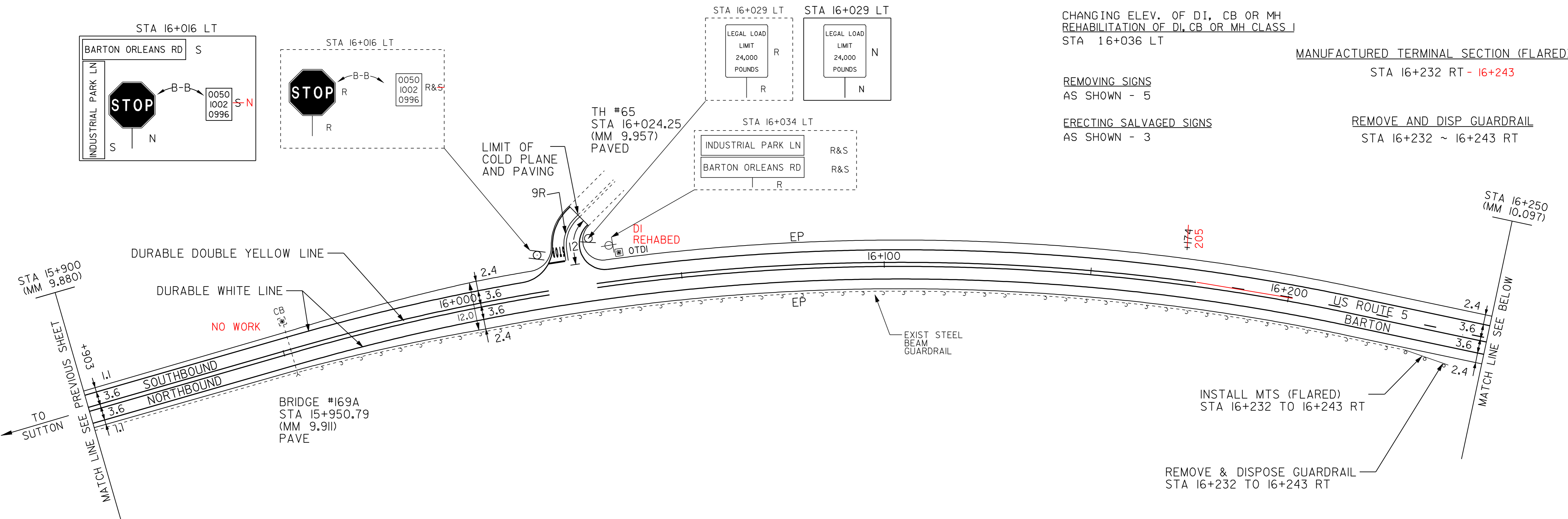
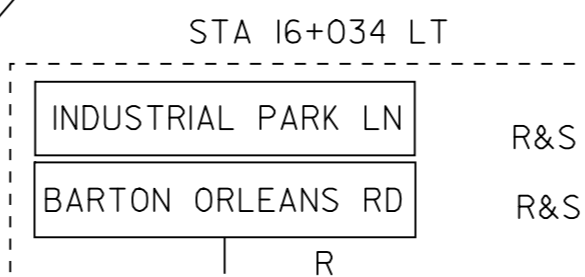
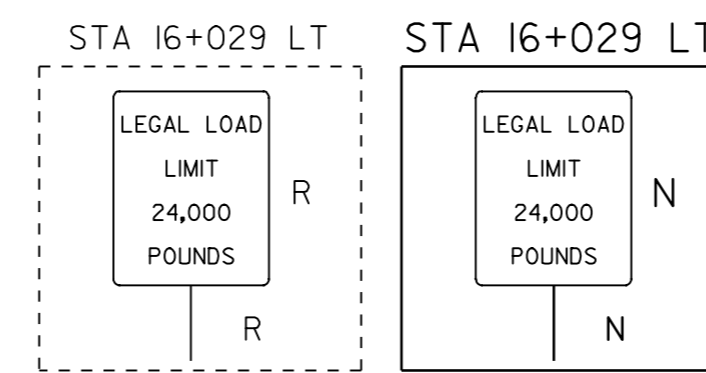
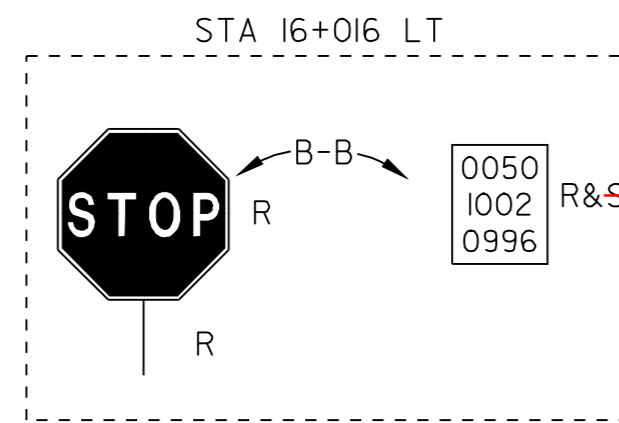
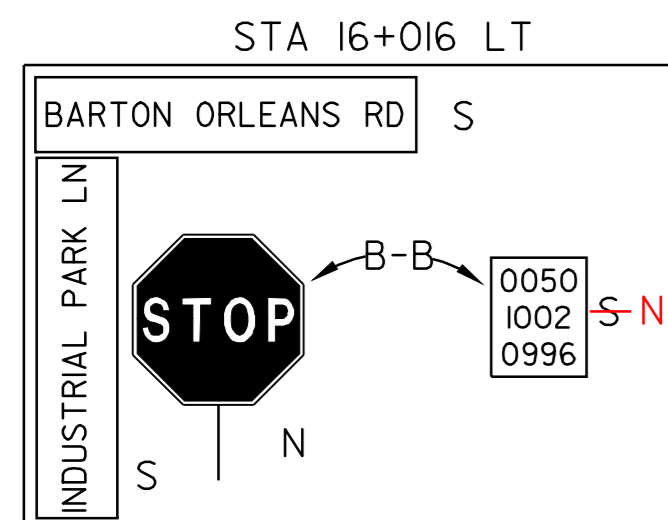
REMOVING SIGNS
 AS SHOWN - 5

ERECTING SALVAGED SIGNS
 AS SHOWN - 3

MANUFACTURED TERMINAL SECTION (FLARED)

STA 16+232 RT - **16+243**

REMOVE AND DISP GUARDRAIL
 STA 16+232 ~ 16+243 RT



- LEGEND**
- R = REMOVE EXISTING
 - S = SALVAGE
 - R&S = REMOVE AND SALVAGE
 - N = NEW
 - RET = RETAIN
 - B-B = BACK TO BACK
 - = NEW RAIL
 - - - = EXISTING RAIL
 - ⊗ = BORING LOCATION

NOTE: ALL DIMENSIONS IN METERS EXCEPT AS INDICATED

PAVING PROJECT LAYOUT #13	PROJECT:	BARTON-IRASBURG	PROJECT NO.:	STP 2107(I)S
	DESIGN FILE NAME:	pave/98c096/pc096.dgn	PLOT DATE:	21-MAY-2007
	IPARM FILE NAME:	pc096i13.1	SURVEY DATE:	6/99
	SURVEYED BY:	CLD ENGINEERS INC	DRAWN BY:	NLL
SQUAD LEADER:	WRH	SHEET:	24	OF 49

DATUM
 VERTICAL N/A
 HORIZONTAL N/A

NOT TO SCALE

TEMPORARY AND DURABLE 100 MM YELLOW LINE

STA 16+600 TO 16+849 SOLID LT & RT

TEMPORARY AND DURABLE 100 MM WHITE LINE

STA 16+600 TO 16+852 SOLID LT & RT

STA 16+814 TO 16+849 SOLID RT-LANE LINE

DURABLE LETTER OR SYMBOL

STA 16+701 RT "STOP"
 STA 16+713 RT "AHEAD"
 STA 16+819 RT "LEFT TURN ARROW"
 STA 16+819 RT "RIGHT TURN ARROW"
 STA 16+832 RT "ONLY"
 STA 16+832 RT "ONLY"
 STA 16+845 RT "LEFT TURN ARROW"
 STA 16+845 RT "RIGHT TURN ARROW"
 STA 16+847 RT "STOP"
 STA 16+847 RT "STOP"

TEMPORARY LETTER OR SYMBOL

STA 16+701 RT "STOP"
 STA 16+713 RT "AHEAD"
 STA 16+819 RT "LEFT TURN ARROW"
 STA 16+819 RT "RIGHT TURN ARROW"
 STA 16+845 RT "LEFT TURN ARROW"
 STA 16+845 RT "RIGHT TURN ARROW"
 STA 16+847 RT "STOP"
 STA 16+847 RT "STOP"

TEMPORARY AND DURABLE 600 MM STOP BAR

STA 16+849 RT

CHANGING ELEV. OF DI, CB OR MH REHABILITATION OF DI, CB OR MH CLASS I

~~STA 16+800 RT~~
 STA 16+879 LT

REMOVING SIGNS

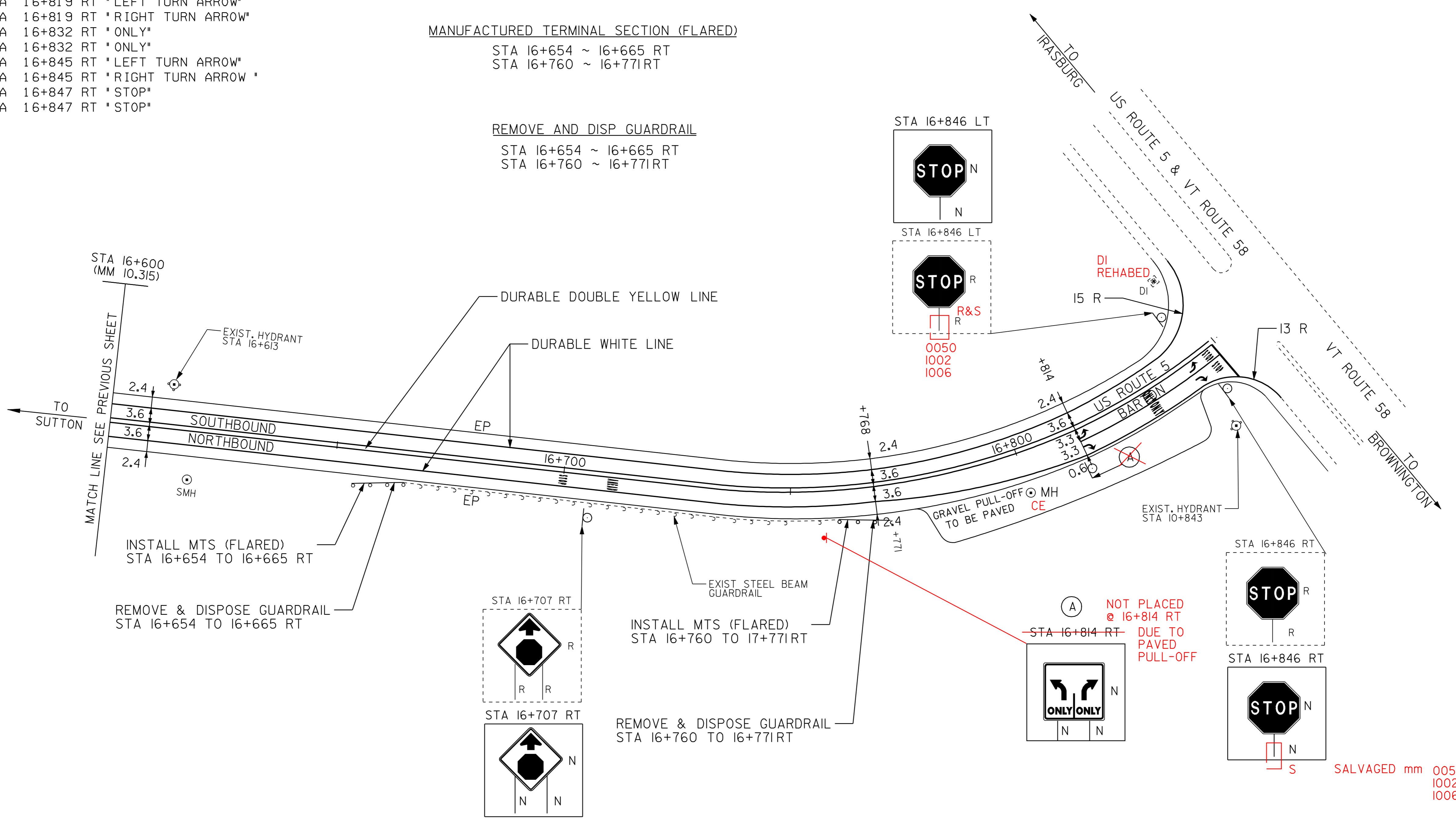
AS SHOWN - 3-4

MANUFACTURED TERMINAL SECTION (FLARED)

STA 16+654 ~ 16+665 RT
 STA 16+760 ~ 16+771 RT

REMOVE AND DISP GUARDRAIL

STA 16+654 ~ 16+665 RT
 STA 16+760 ~ 16+771 RT



LEGEND

- R = REMOVE EXISTING
- S = SALVAGE
- R&S = REMOVE AND SALVAGE
- N = NEW
- RET = RETAIN
- B-B = BACK TO BACK
- = NEW RAIL
- = EXISTING RAIL
- ⊗ = BORING LOCATION

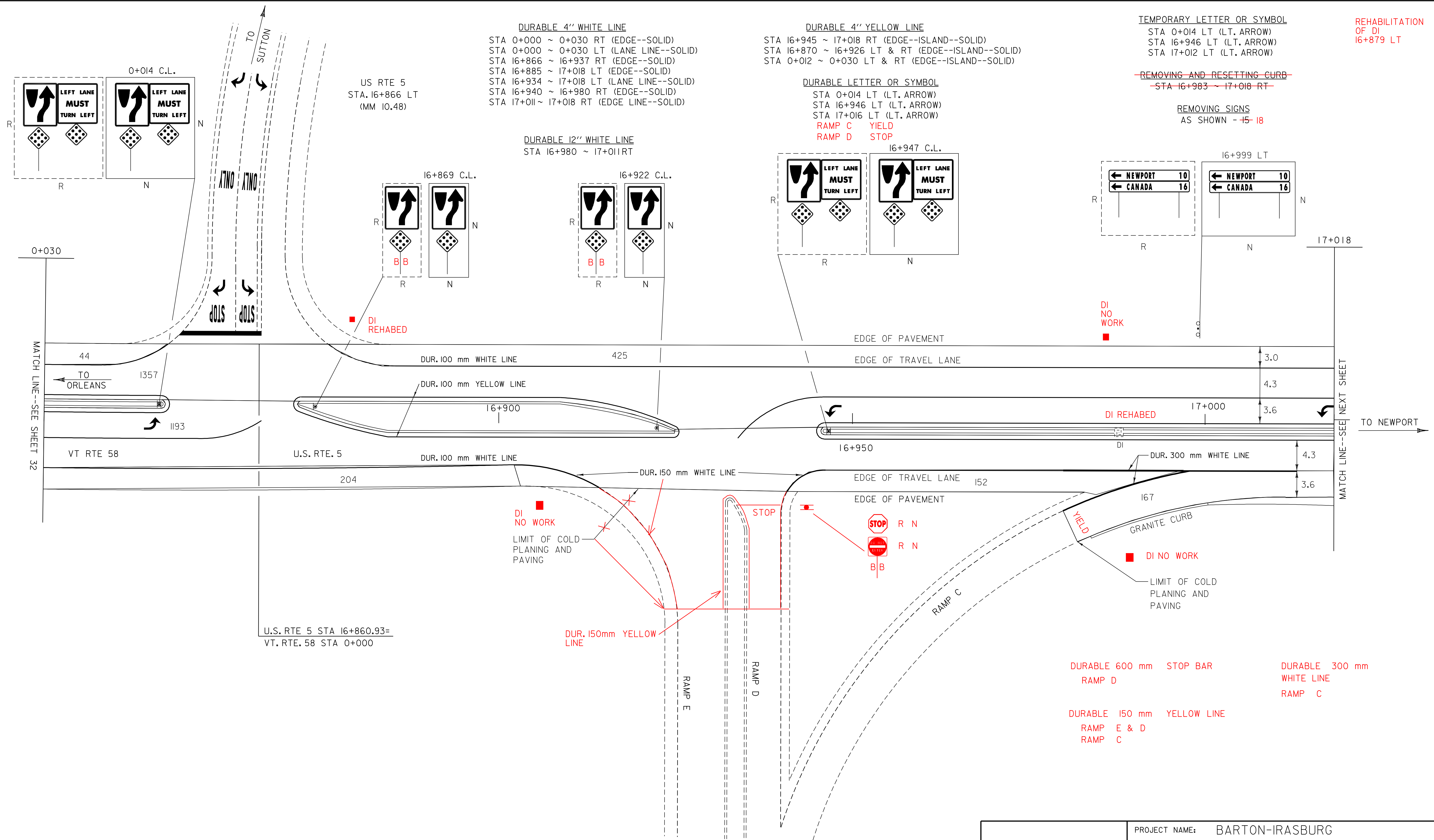
NOTE: ALL DIMENSIONS IN METERS EXCEPT AS INDICATED

DATUM	
VERTICAL	N/A
HORIZONTAL	N/A

NOT TO SCALE

PAVING PROJECT LAYOUT #14

PROJECT:	BARTON-IRASBURG	PROJECT NO.:	STP 2107(I)S
DESIGN FILE NAME:	pave/98c096/pc096.dgn	PLOT DATE:	21-MAY-2007
IPARM FILE NAME:	pc096i14.i	SURVEY DATE:	6/99
SURVEYED BY:	CLD_ENGINEERS_INC	DRAWN BY:	NLL
SQUAD LEADER:	WRH	SHEET:	25 OF 49



DURABLE 4" WHITE LINE
 STA 0+000 ~ 0+030 RT (EDGE--SOLID)
 STA 0+000 ~ 0+030 LT (LANE LINE--SOLID)
 STA 16+866 ~ 16+937 RT (EDGE--SOLID)
 STA 16+885 ~ 17+018 LT (EDGE--SOLID)
 STA 16+934 ~ 17+018 LT (LANE LINE--SOLID)
 STA 16+940 ~ 16+980 RT (EDGE--SOLID)
 STA 17+011 ~ 17+018 RT (EDGE LINE--SOLID)

DURABLE 4" YELLOW LINE
 STA 16+945 ~ 17+018 RT (EDGE--ISLAND--SOLID)
 STA 16+870 ~ 16+926 LT & RT (EDGE--ISLAND--SOLID)
 STA 0+012 ~ 0+030 LT & RT (EDGE--ISLAND--SOLID)

TEMPORARY LETTER OR SYMBOL
 STA 0+014 LT (LT. ARROW)
 STA 16+946 LT (LT. ARROW)
 STA 17+012 LT (LT. ARROW)

REHABILITATION OF DI
 16+879 LT

DURABLE 12" WHITE LINE
 STA 16+980 ~ 17+011 RT

DURABLE LETTER OR SYMBOL
 STA 0+014 LT (LT. ARROW)
 STA 16+946 LT (LT. ARROW)
 STA 17+016 LT (LT. ARROW)
 RAMP C YIELD
 RAMP D STOP

~~REMOVING AND RESETTING CURB~~
~~STA 16+983 ~ 17+018 RT~~
REMOVING SIGNS
 AS SHOWN - +5- 18

US RTE 5 LAYOUT # 15

PROJECT NAME: BARTON-IRASBURG	PLOT DATE: 21-MAY-2007 13:12
PROJECT NUMBER: STP 2107(1)S	DRAWN BY: JLR
FILE NAME: pave/98c096/pc096a.dgn	CHECKED BY:
DESIGNED BY: JLR	SHEET 26 OF 49
pc096115.1	

DURABLE 4" WHITE LINE

STA 17+018 ~ 17+200 LT (EDGE--SOLID)
 STA 17+018 ~ 17+064 LT (DOTTED LINE EXT.)
 STA 17+018 ~ 17+200 RT (EDGE--SOLID)

DURABLE 4" YELLOW LINE

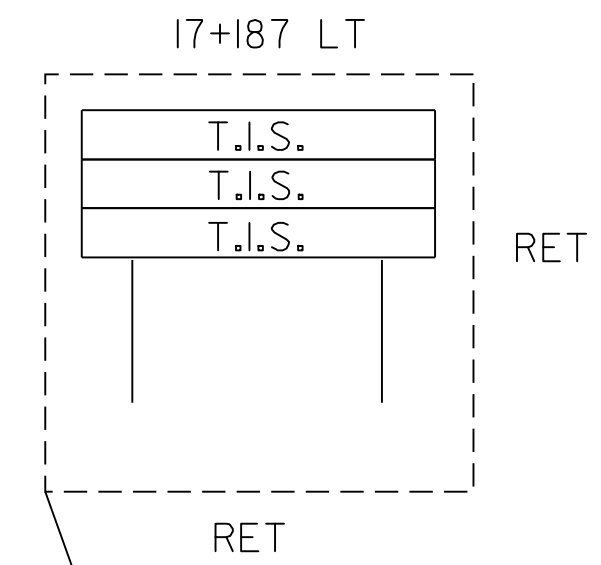
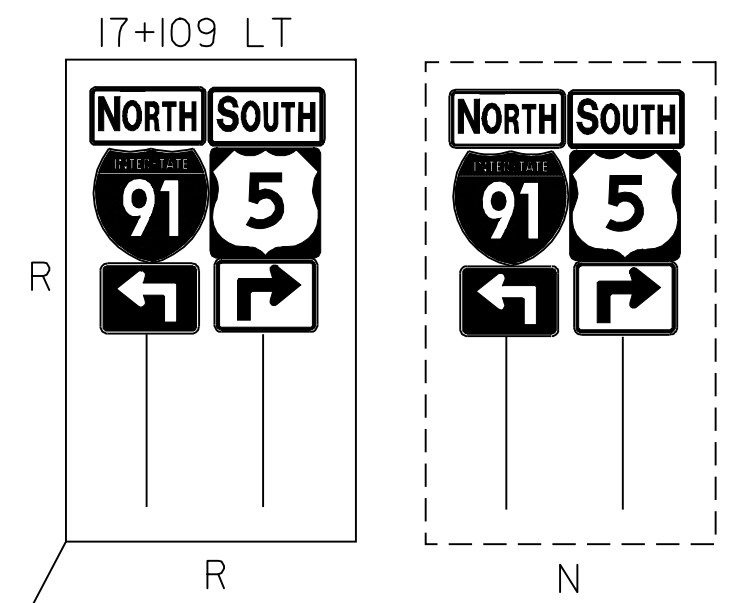
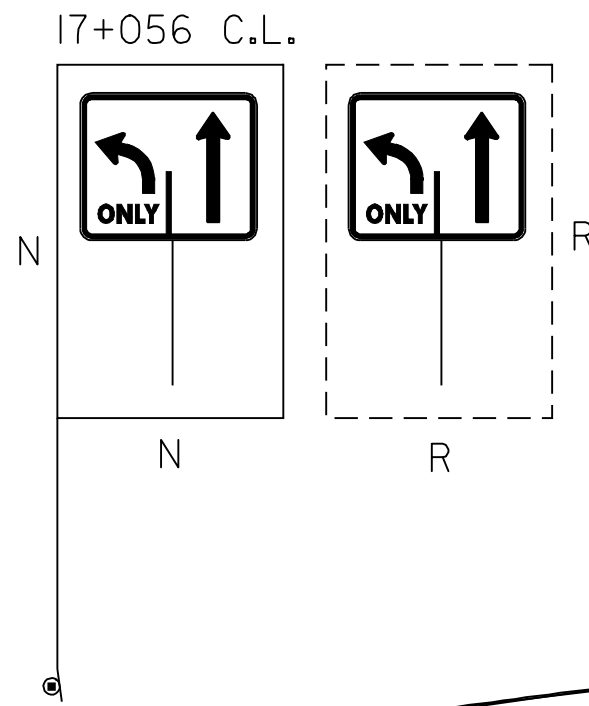
STA 17+018 17+200 LT & RT (EDGE--ISLAND--SOLID)

REMOVING AND RESETTING CURB

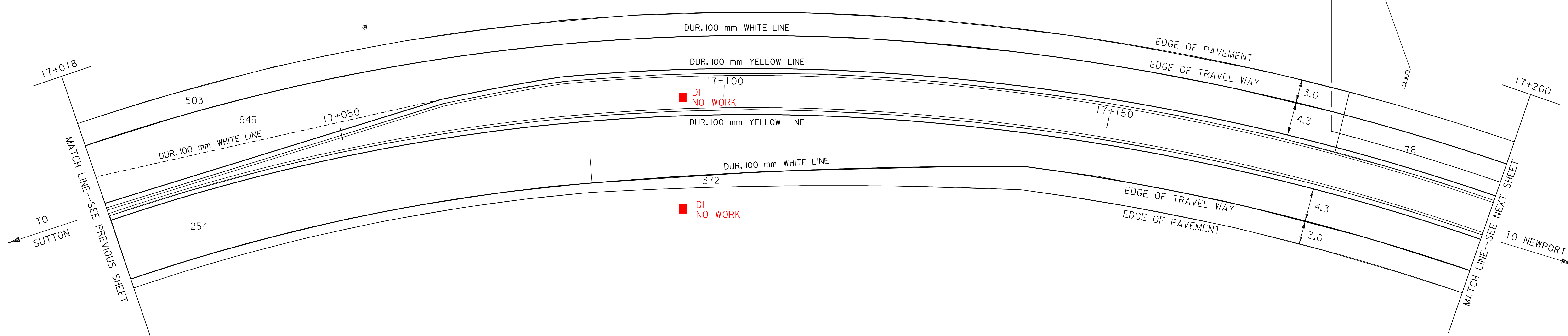
STA ~~17+018~~ ~ 17+200 LT
 17+178

REMOVING SIGNS
 AS SHOWN - 7

BIT. CONC. GUTTERS
 17+095 CL



STA 17+178.74 LT
 BEGIN GRADE CHANGE
 (SEE PROFILE, SHEETS
 34 & 35)



US RTE 5 LAYOUT # 16	PROJECT NAME: BARTON-IRASBURG	PLOT DATE: 21-MAY-2007 13:12
	PROJECT NUMBER: STP 2107(I)S	DRAWN BY: JLR
	FILE NAME: pave/98c096/pc096a.dgn	CHECKED BY:
	DESIGNED BY: JLR	
	pc096i16.i	

DURABLE 4" WHITE LINE
 STA 17+200 ~ 0+041 LT (EDGE--SOLID)
 STA 17+230 ~ 0+004 RT (EDGE--SOLID)
 STA 0+011 ~ 0+041 RT (EDGE--SOLID)

DURABLE 4" YELLOW LINE
 STA 17+200 ~ 0+041 LT & RT (EDGE--SOLID)

REMOVING AND RESETTING CURB
 STA 17+200 LT ~ 0+041 LT
 0+020

REMOVING SIGNS
 AS SHOWN - 13

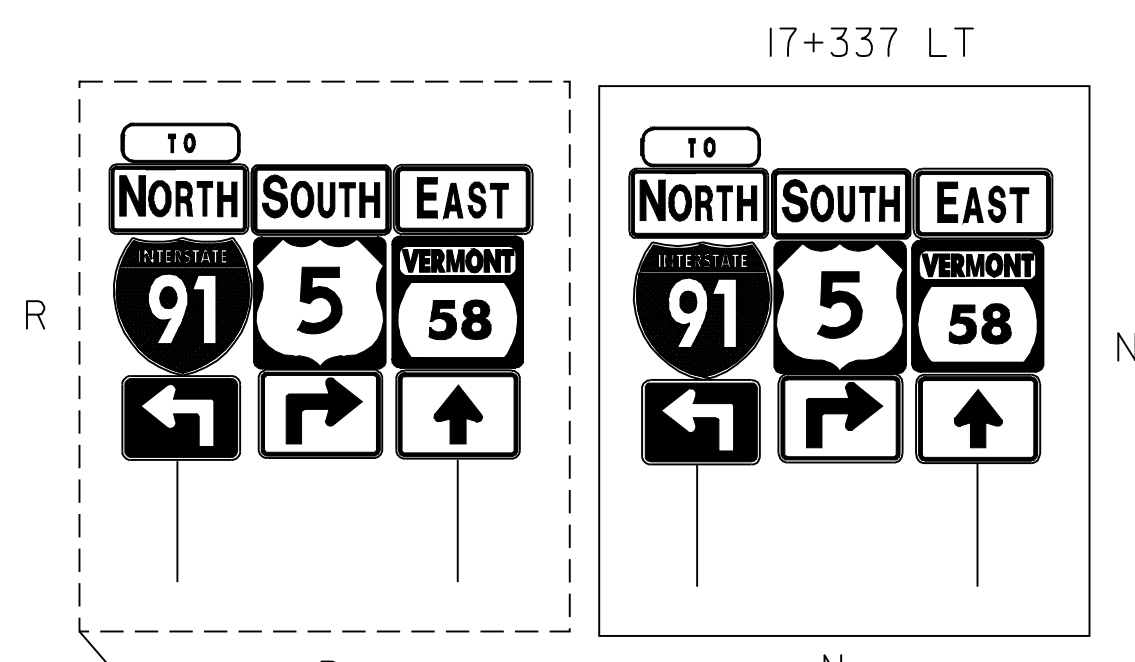
DURABLE 12" WHITE LINE
 STA 17+308 ~ 0+011 RT

CHANGING ELEV. OF DI, CB OR MH
 REHABILITATION OF DICB OR MH CL 1

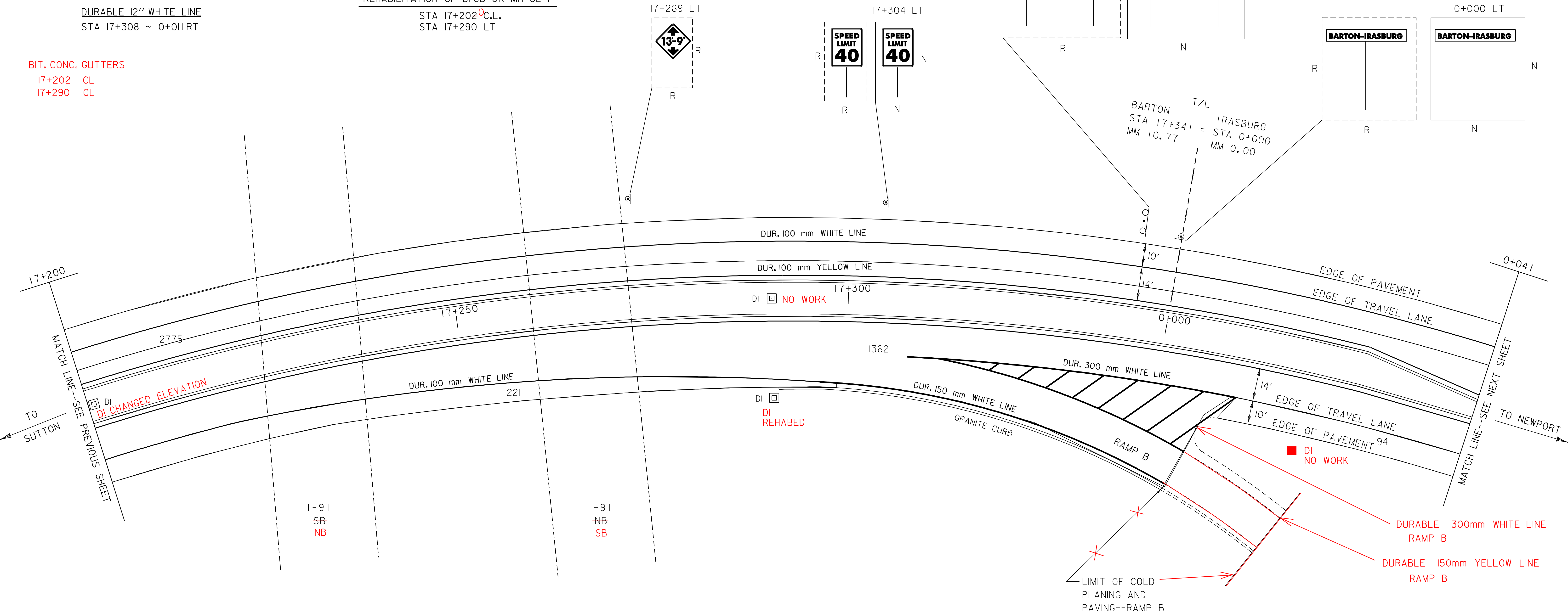
STA 17+202 C.L.
 STA 17+290 LT

BIT. CONC. GUTTERS

17+202 CL
 17+290 CL



BARTON T/L
 STA 17+341 = STA 0+000
 MM 10.77 = MM 0.00



US RTE 5 LAYOUT # 17	PROJECT NAME: BARTON-IRASBURG	PLOT DATE: 21-MAY-2007 13:12
	PROJECT NUMBER: STP 2107(I)S	DRAWN BY: JLR
	FILE NAME: pave/98c096/pc096a.dgn	CHECKED BY:
	DESIGNED BY: JLR	SHEET 28 OF 49

DURABLE 4" WHITE LINE
 STA 0+41 ~ 0+58 RT (EDGE--SOLID)
 STA 0+041 ~ 0+224 LT (EDGE--SOLID)
 STA 0+068 ~ 0+163 LT (LANE LINE--SOLID)
 STA 0+085 ~ 0+224 RT (EDGE--SOLID)
 STA 0+163 ~ 0+193 LT (LANE LINE--DOTTED)

DURABLE LETTER OR SYMBOL
 STA 0+079 LT (LT. ARROW)
 STA 0+160 LT (LT. ARROW)
RAMP A STOP

**CHANGING ELEV. OF DI, CB OR MH
 REHABILITATION OF DICB OR MH CL 1**
 STA 0+079 RT
 STA 0+132 RT

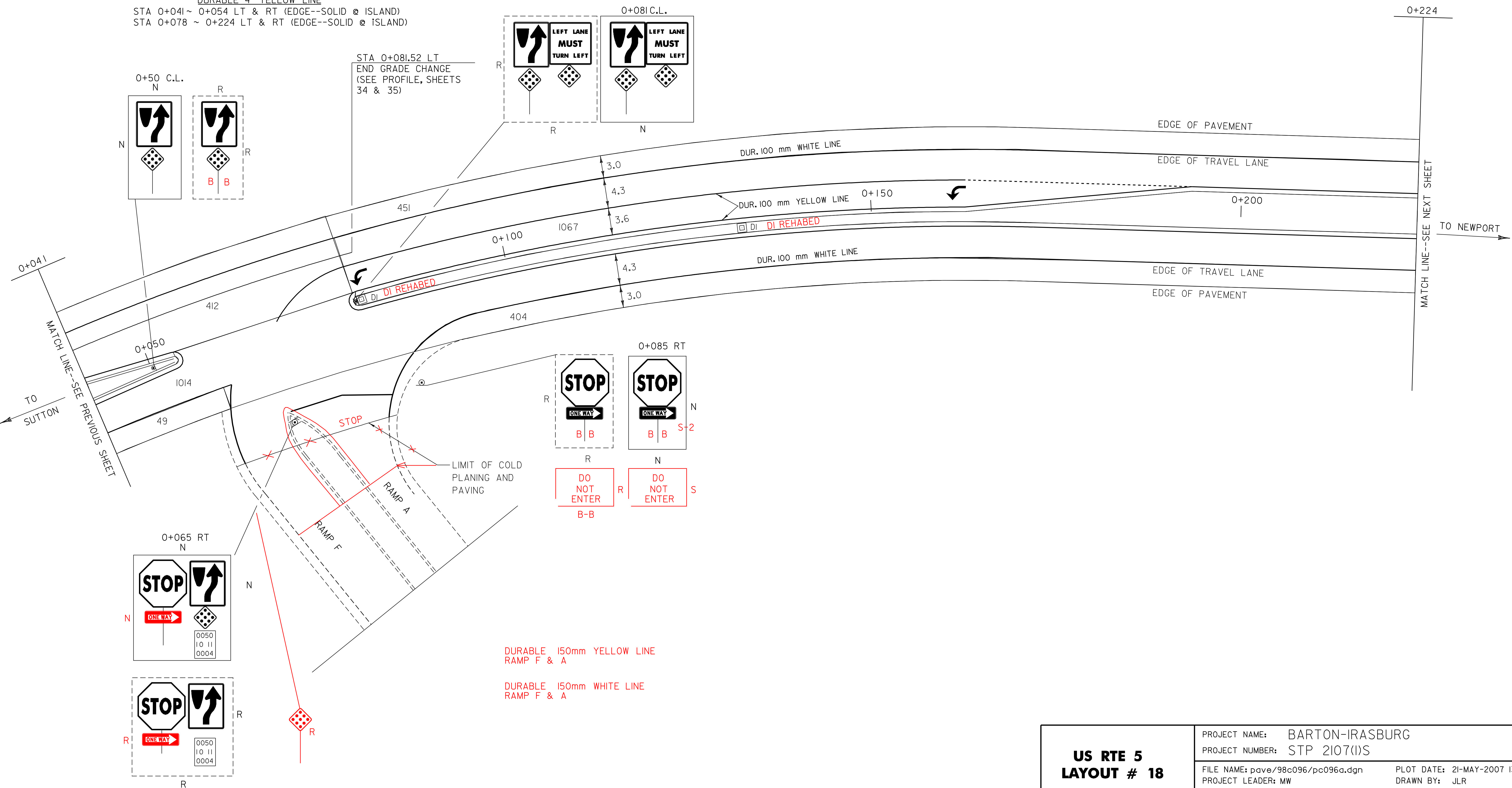
**REMOVING SIGNS
 AS SHOWN - -915**

DURABLE 4" YELLOW LINE
 STA 0+041 ~ 0+054 LT & RT (EDGE--SOLID @ ISLAND)
 STA 0+078 ~ 0+224 LT & RT (EDGE--SOLID @ ISLAND)

TEMPORARY LETTER OR SYMBOL
 STA 0+079 LT (LT. ARROW)
 STA 0+157 LT (LT. ARROW)

~~REMOVING AND RESETTING CURB
 STA 0+041 LT ~ 0+054 RT~~

TEMPORARY & DURABLE 600 mm STOP BAR
 STA 0+065 RT ~ 0+079 RT



US RTE 5 LAYOUT # 18	PROJECT NAME: BARTON-IRASBURG	PLOT DATE: 21-MAY-2007 13:12
	PROJECT NUMBER: STP 2107(I)S	DRAWN BY: JLR
	FILE NAME: pave/98c096/pc096a.dgn	CHECKED BY:
	DESIGNED BY: JLR	SHEET 29 OF 49
	pc096i18.i	

REMOVING SIGNS
AS SHOWN -H12

CHANGING ELEV. OF DI, CB OR MH
REHABILITATION OF DICB OR MH CL I
STA 0+277 RT

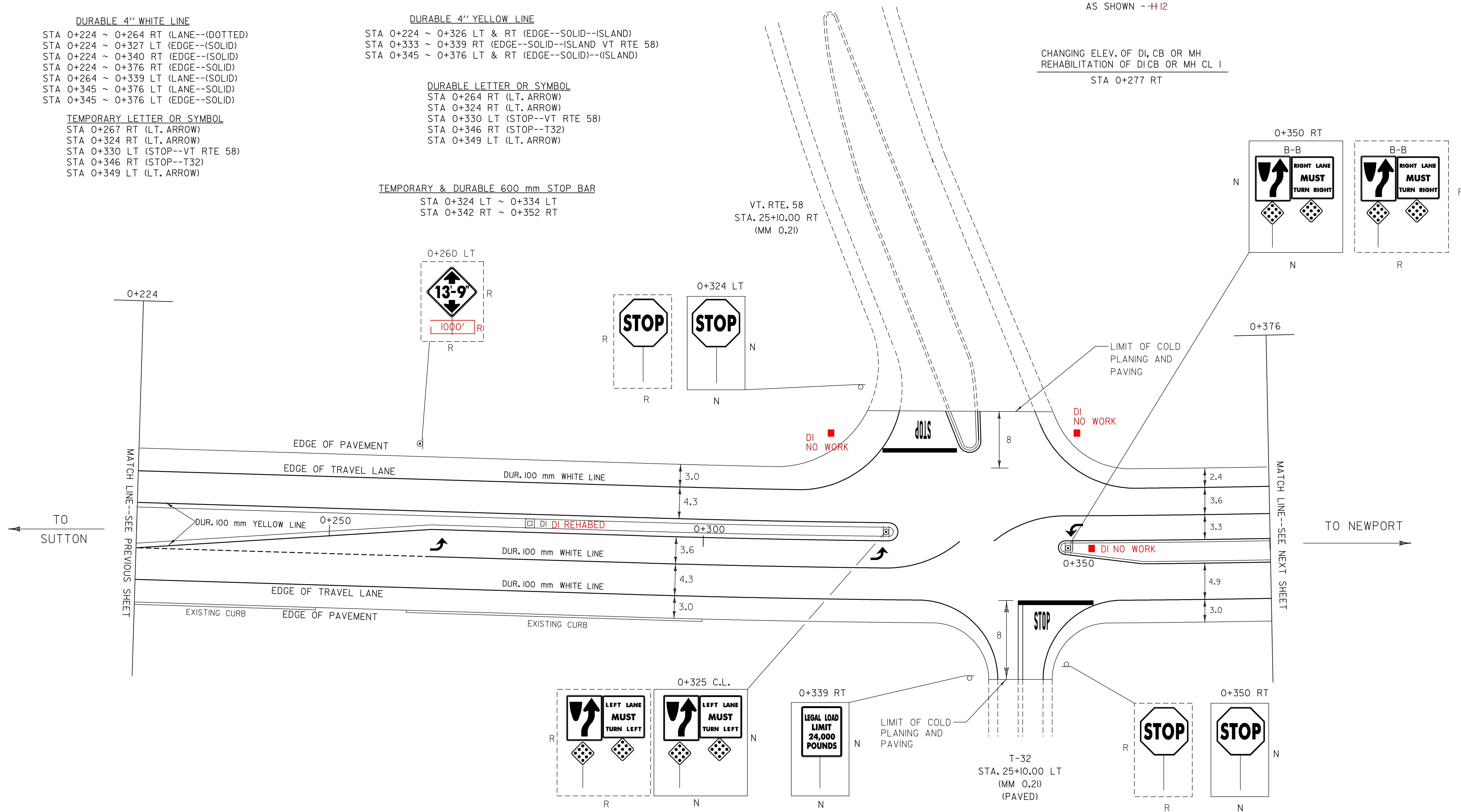
DURABLE 4" WHITE LINE
STA 0+224 ~ 0+264 RT (LANE--(DOTTED))
STA 0+224 ~ 0+327 LT (EDGE--(SOLID))
STA 0+224 ~ 0+340 RT (EDGE--(SOLID))
STA 0+224 ~ 0+376 RT (EDGE--(SOLID))
STA 0+264 ~ 0+339 LT (LANE--(SOLID))
STA 0+345 ~ 0+376 LT (LANE--(SOLID))
STA 0+345 ~ 0+376 LT (EDGE--(SOLID))

DURABLE 4" YELLOW LINE
STA 0+224 ~ 0+326 LT & RT (EDGE--SOLID--ISLAND)
STA 0+333 ~ 0+339 RT (EDGE--SOLID--ISLAND VT RTE 58)
STA 0+345 ~ 0+376 LT & RT (EDGE--SOLID)--(ISLAND)

TEMPORARY LETTER OR SYMBOL
STA 0+267 RT (LT. ARROW)
STA 0+324 RT (LT. ARROW)
STA 0+330 LT (STOP--VT RTE 58)
STA 0+346 RT (STOP--T32)
STA 0+349 LT (LT. ARROW)

DURABLE LETTER OR SYMBOL
STA 0+264 RT (LT. ARROW)
STA 0+324 RT (LT. ARROW)
STA 0+330 LT (STOP--VT RTE 58)
STA 0+346 RT (STOP--T32)
STA 0+349 LT (LT. ARROW)

TEMPORARY & DURABLE 600 mm STOP BAR
STA 0+324 LT ~ 0+334 LT
STA 0+342 RT ~ 0+352 RT



**US RTE 5
LAYOUT # 19**

PROJECT NAME: BARTON-IRASBURG
PROJECT NUMBER: STP 2107(I)S

FILE NAME: pave/98c096/pc096a.dgn
PROJECT LEADER: MW
DESIGNED BY: JLR
pc096i29.i

PLOT DATE: 21-MAY-2007 13:12
DRAWN BY: JLR
CHECKED BY:
SHEET 30 OF 49

MANUFACTURED TERMINAL SECTION (FLARED)

STA. 0+380 ~ 0+391RT
STA. 0+694 ~ 0+705 RT

REMOVAL & DISPOSAL OF GUARDRAIL

STA. 0+380 ~ 0+391RT
STA. 0+694 ~ 0+705 RT

DURABLE 4" WHITE LINE

STA 0+376 ~ ~~0+531~~⁰⁺⁵²³ LT & RT (SOLID)
STA 0+394 ~ 0+452 LT (LANE LINE--DOTTED)
STA 0+376 ~ 0+406 LT (SOLID--LANE LINE)

DURABLE 4" YELLOW LINE

STA 0+376 ~ 0+435 LT & RT (DBL. SOLID--ISLAND)
STA 0+435 ~ ~~0+531~~⁰⁺⁵²³ LT & RT (DBL. LINE)

DURABLE LETTER OR SYMBOL

STA 0+388 LT (LT TURN ARROW)

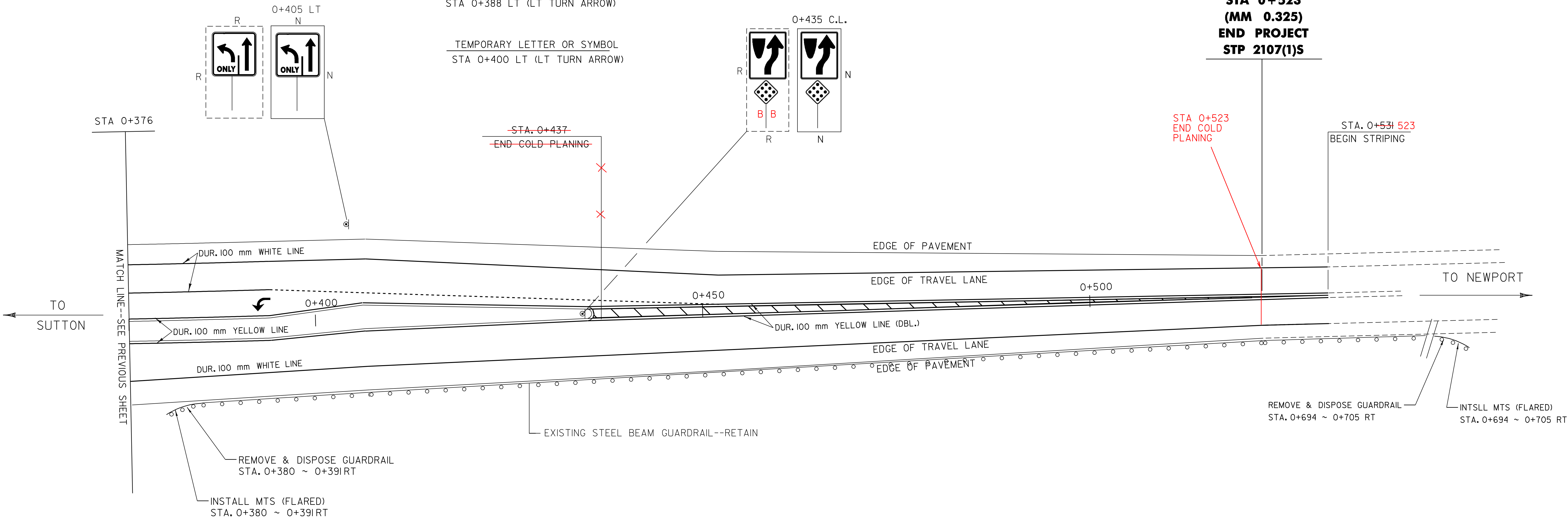
TEMPORARY LETTER OR SYMBOL

STA 0+400 LT (LT TURN ARROW)

REMOVING SIGNS
AS SHOWN - 3-4

DURABLE 200mm YELLOW LINE
0+430 - 0+495 CL

U.S. RTE 5
STA 0+523
(MM 0.325)
END PROJECT
STP 2107(1)S



NOTE 1: PLACE YELLOW EDGE LINE 300 mm FROM CURB.

NOTE 2: MATCH EXISTING PAVEMENT MARKINGS @ STA. ~~0+531~~ 0+523

US RTE 5 LAYOUT # 20	PROJECT NAME: BARTON-IRASBURG	PLOT DATE: 21-MAY-2007 13:12
	PROJECT NUMBER: STP 2107(1)S	DRAWN BY: REDMOND
	FILE NAME: pave/98c096/pc096a.dgn	CHECKED BY:
	DESIGNED BY: REDMOND	SHEET 31 OF 49

DURABLE 4" WHITE LINE
 STA 0+030 ~ 0+182 LT & RT (EDGE--SOLID)
 STA 0+030 ~ 0+121 LT (LANE LINE--SOLID)
 STA 0+121 ~ 0+144 LT (LANE LINE--DOTTED)

DURABLE 4" YELLOW LINE
 STA 0+030 ~ 0+182 LT & RT (EDGE--SOLID)

DURABLE LETTER OR SYMBOL
 STA 0+119 LT (LT. ARROW)

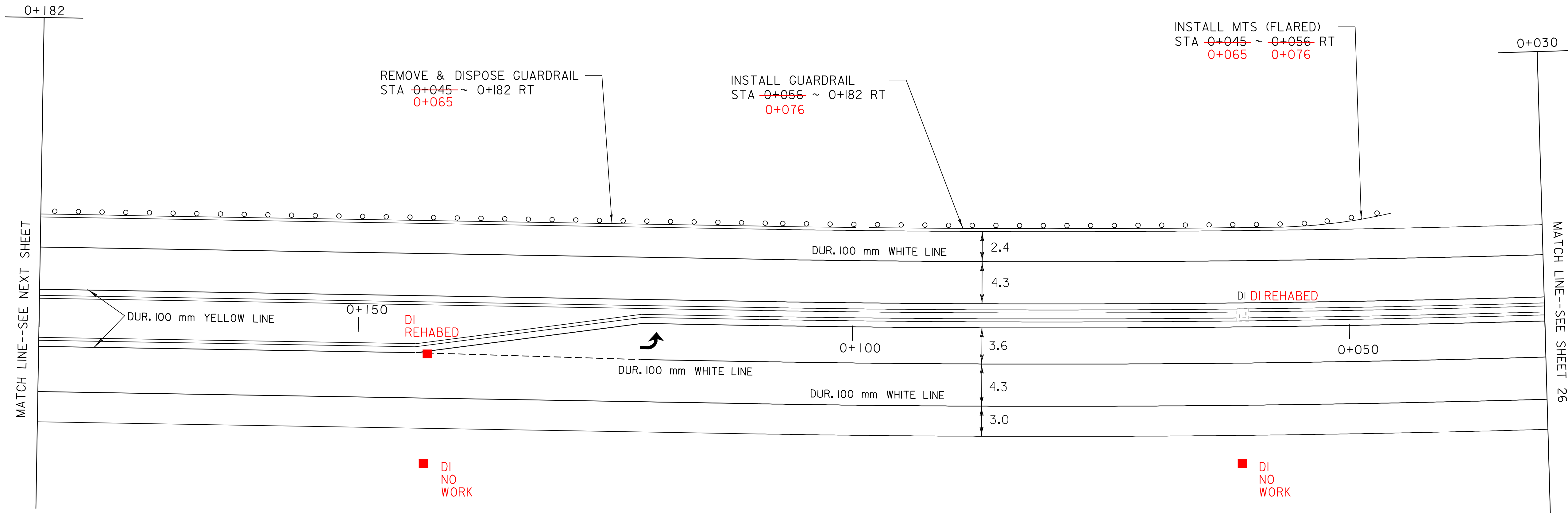
TEMPORARY LETTER OR SYMBOL
 STA 0+115 LT (LT. ARROW)

STEEL BEAM GUARDRAIL
 STA ~~0+056~~ ~ 0+182 RT
 0+076

REHABILITATION OF DI
 0+060 CL
 0+136 CL

MAUFACTURED TERMINAL SECTION (FLARED)
 STA ~~0+045~~ ~ 0+056 RT
 0+065 - 0+076

REMOVE & DISPOSE GUARDRAIL
 STA ~~0+045~~ ~ 0+182 RT
 0+065



INSTALL MTS (FLARED)
 STA ~~0+045~~ ~ ~~0+056~~ RT
 0+065 0+076

REMOVE & DISPOSE GUARDRAIL
 STA ~~0+045~~ ~ 0+182 RT
 0+065

INSTALL GUARDRAIL
 STA ~~0+056~~ ~ 0+182 RT
 0+076

MATCH LINE--SEE NEXT SHEET

MATCH LINE--SEE SHEET 26

**VT RTE 58
 LAYOUT # 21**

PROJECT NAME: BARTON-IRASBURG
 PROJECT NUMBER: STP 2107(I)S

FILE NAME: pave/98c096/pc096.dgn
 PROJECT LEADER: MW
 DESIGNED BY: JLR
 pc096i21.i

PLOT DATE: 21-MAY-2007 13:12
 DRAWN BY: JLR
 CHECKED BY:
 SHEET 32 OF 49

DURABLE LETTERS
ETHAN ALLEN RD STOP

DURABLE 200mm YELLOW LINE
0+220 - 0+235 CL

DURABLE 600mm WHITE LINE
ETHAN ALLEN RD

REMOVING SIGNS
AS SHOWN - 6-7

DURABLE 4" WHITE LINE
STA 0+182 ~ 0+258 LT & RT (EDGE--ISLAND--SOLID)

DURABLE 4" YELLOW LINE
STA 0+182 ~ 0+212 LT & RT (EDGE--ISLAND--SOLID)
STA 0+182 ~ 0+258 C.L. (DBL. SOLID)
ETHAN ALLEN RD CL
REMOVE & DISPOSE GUARD RAIL
STA 0+182 ~ 0+278 RT

STEEL BEAM GUARD RAIL
STA 0+182 ~ 0+278 RT

VT. RTE 58
STA 0+252-0+284
(MM 0.156) (0.176)
END PROJECT
STP 2107(1)S

TERMINAL CONNECTOR FOR STEEL BEAM GUARDRAIL (MOD.)
STA. 0+278 RT

TERMINAL CONNECTOR FOR
STEEL BEAM GUARDRAIL
STA 0+278 RT

LIMIT C.P.
AND PAVE

0+284
STA. 0+258-
END STRIPING

0+272 RT
N

SPEED
LIMIT
30
THROUGH
WAY
ENDS
HERE

THROUGH
WAY
BEGINS
HERE

SPEED
LIMIT
30
THROUGH
WAY
ENDS
HERE

THROUGH
WAY
BEGINS
HERE

WARNING B-B
NEIGHBORHOOD
WATCH

WARNING
NEIGHBORHOOD
WATCH

INSTALL GUARDRAIL
STA 0+182 ~ 0+278 RT

REMOVE & DISPOSE GUARDRAIL
STA 0+182 ~ 0+278 RT

0+182

MATCH LINE--SEE PREVIOUS SHEET 26

0+300

STOP

ETHAN
ALLEN RD

217
DUR. 100 mm WHITE LINE

386

376

DUR. 100 mm YELLOW LINE (DBL.)

0+200

DI NO WORK
DUR. 100 mm YELLOW

211
DUR. 100 mm WHITE LINE

DI NO WORK

0+284
STA. 0+252-
END COLD PLANING

0+272 LT
N

SPEED
LIMIT
50
THROUGH
WAY
BEGINS
HERE

40

THROUGH
WAY
ENDS
HERE

SPEED
LIMIT
50
THROUGH
WAY
BEGINS
HERE

40

THROUGH
WAY
ENDS
HERE

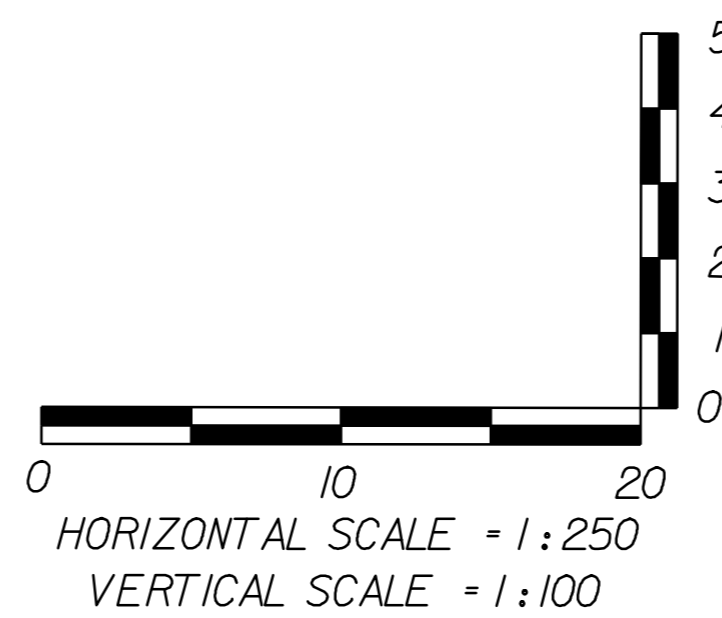
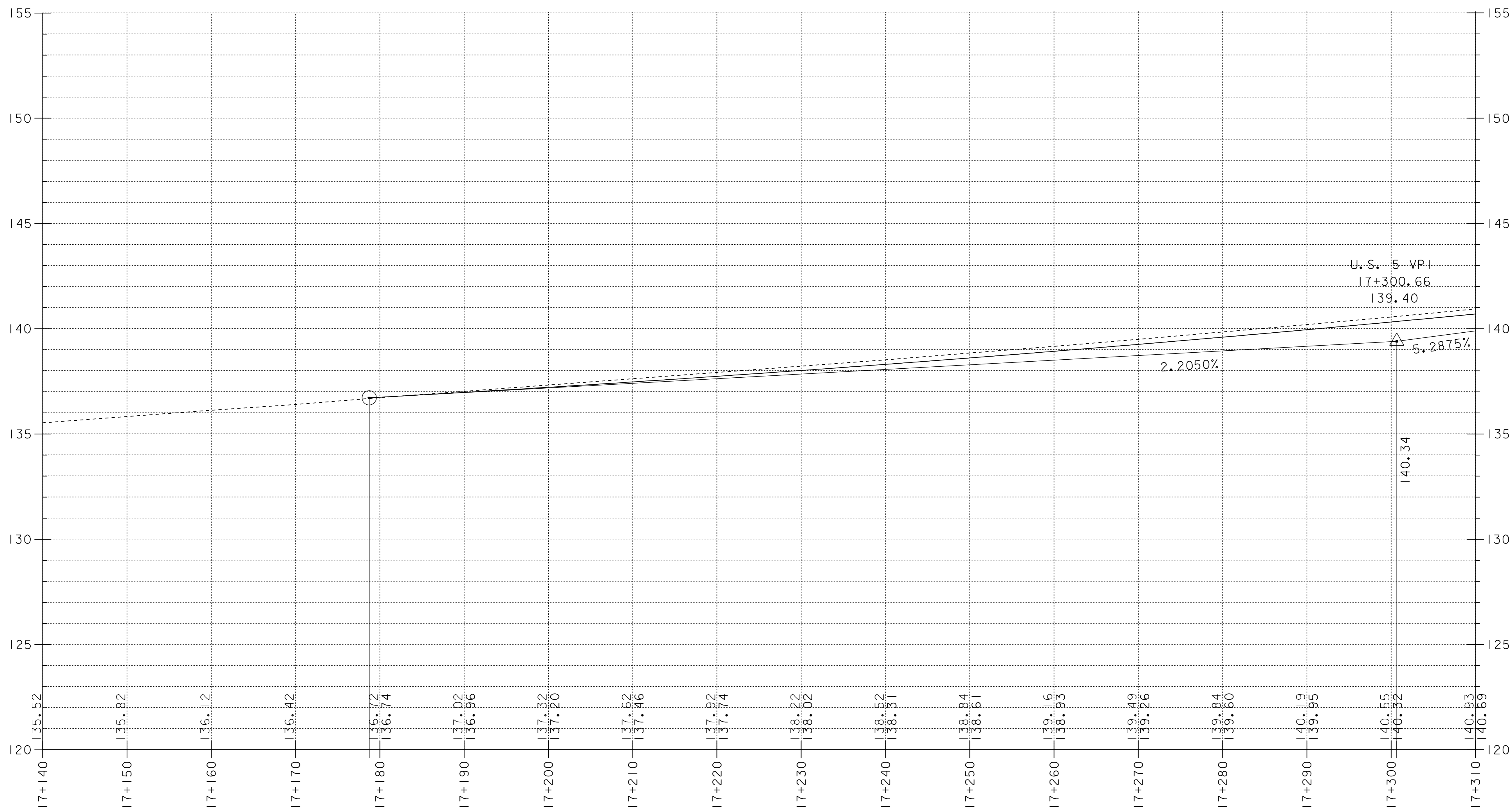
B-B

VT RTE 58
LAYOUT # 22

PROJECT NAME: BARTON-IRASBURG
PROJECT NUMBER: STP 2107(1)S

FILE NAME: pave/98c096/pc096a.dgn
PROJECT LEADER: MW
DESIGNED BY: JLR
pc096122.1

PLOT DATE: 21-MAY-2007 13:12
DRAWN BY:
CHECKED BY: JLR
SHEET 33 OF 49



PROFILE SHEET 1
U.S RTE. 5

SHEET NAME: PROFILE SHEET 2

PROJECT NAME: BARTON-IRSBURG

PROJECT NUMBER: STP 2107(I)S

PROJECT LEADER: WOOLAVER

DESIGNED BY: J. REDMOND

FILE NAME: pc096.dgn

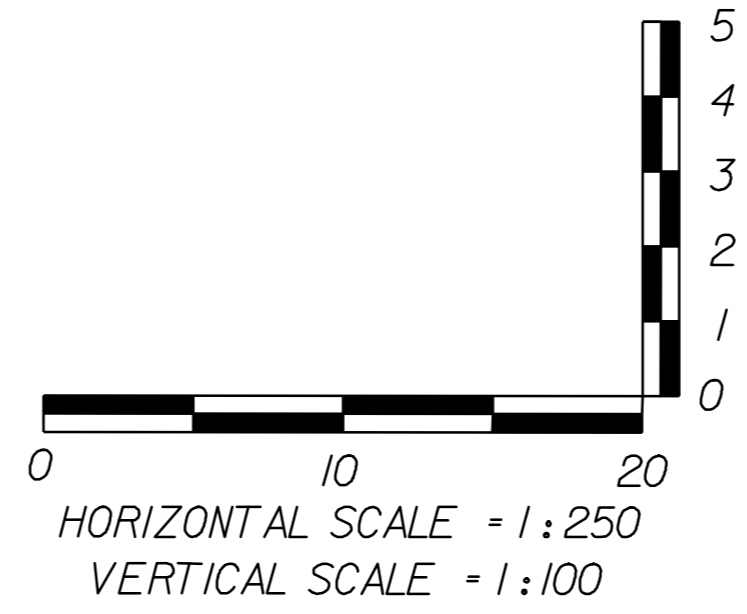
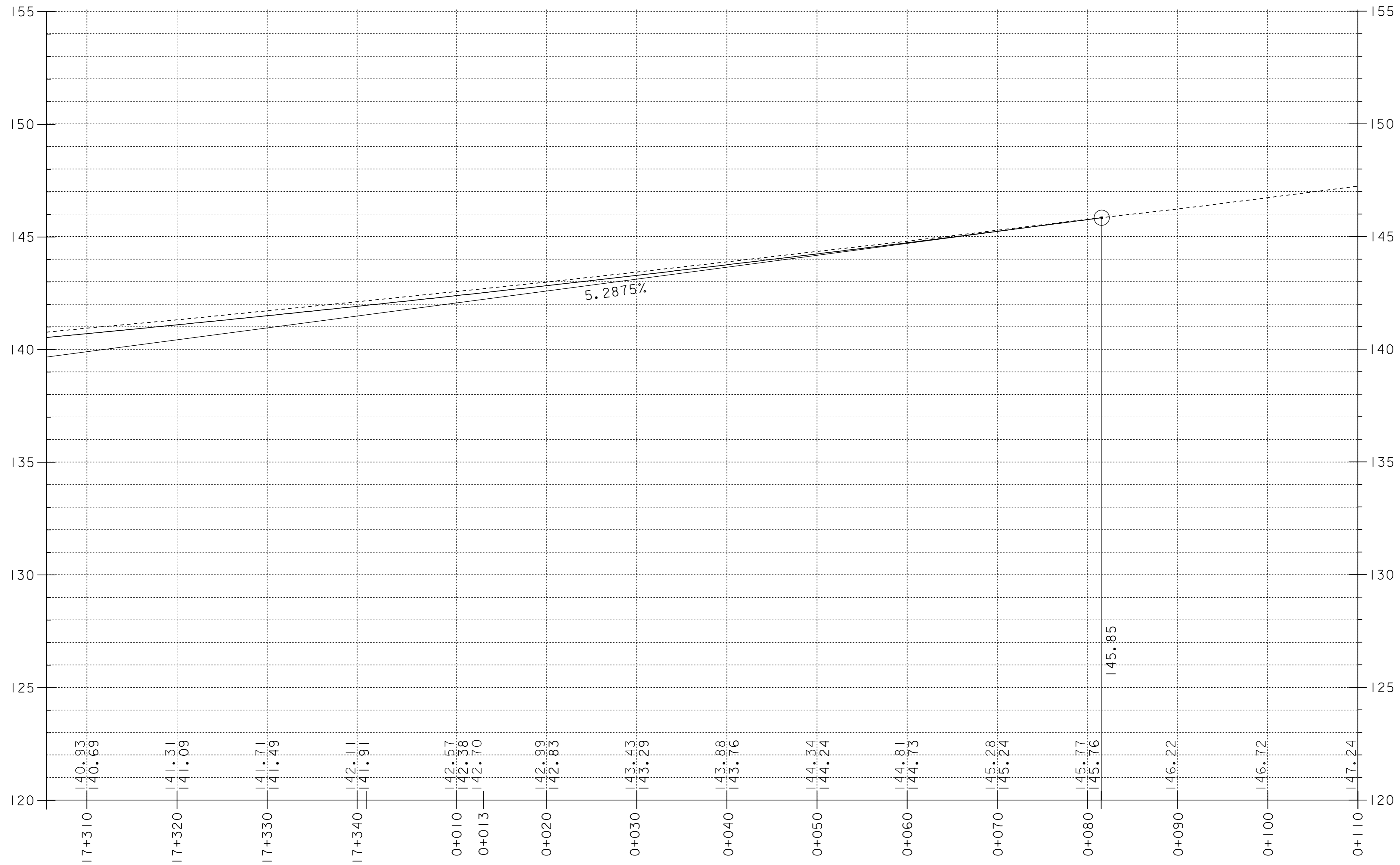
IPARM FILE NAME: pc096p01.i

DRAWN BY: JLR

CHECKED BY:

PLOT DATE: 21-MAY-2007 13:12

SHEET 34 OF 49



PROFILE SHEET 2
U.S. RTE. 5

SHEET NAME: PROFILE SHEET 3	
PROJECT NAME: BARTON-IRASBURG	
PROJECT NUMBER: STP 2107(I)S	
PROJECT LEADER: WOOLAVER	DRAWN BY: JLR
DESIGNED BY: J. REDMOND	CHECKED BY:
FILE NAME: pc096.dgn	PLOT DATE: 21-MAY-2007 13:12
IPARM FILE NAME: pc096p01.i	SHEET 35 OF 49

TEMPORARY AND DURABLE 100 mm YELLOW LINE
 STA 9+750 TO 9+792 SOLID RT & LT
 STA 9+805 TO 9+317 SOLID RT & LT
 STA 9+798 DOUBLE SOLID RT (TH 11)
 STA 9+817 TO 9+850 SOLID LT, DASHED RT

TEMPORARY AND DURABLE 100 mm WHITE LINE
 STA 9+750 TO 9+850 SOLID LT
 STA 9+750 TO 9+805 SOLID RT
 STA 9+821 TO 9+850 SOLID RT

REMOVL AND DISPOSAL OF GUARDRAIL
 STA 9+785 TO 9+796 LT

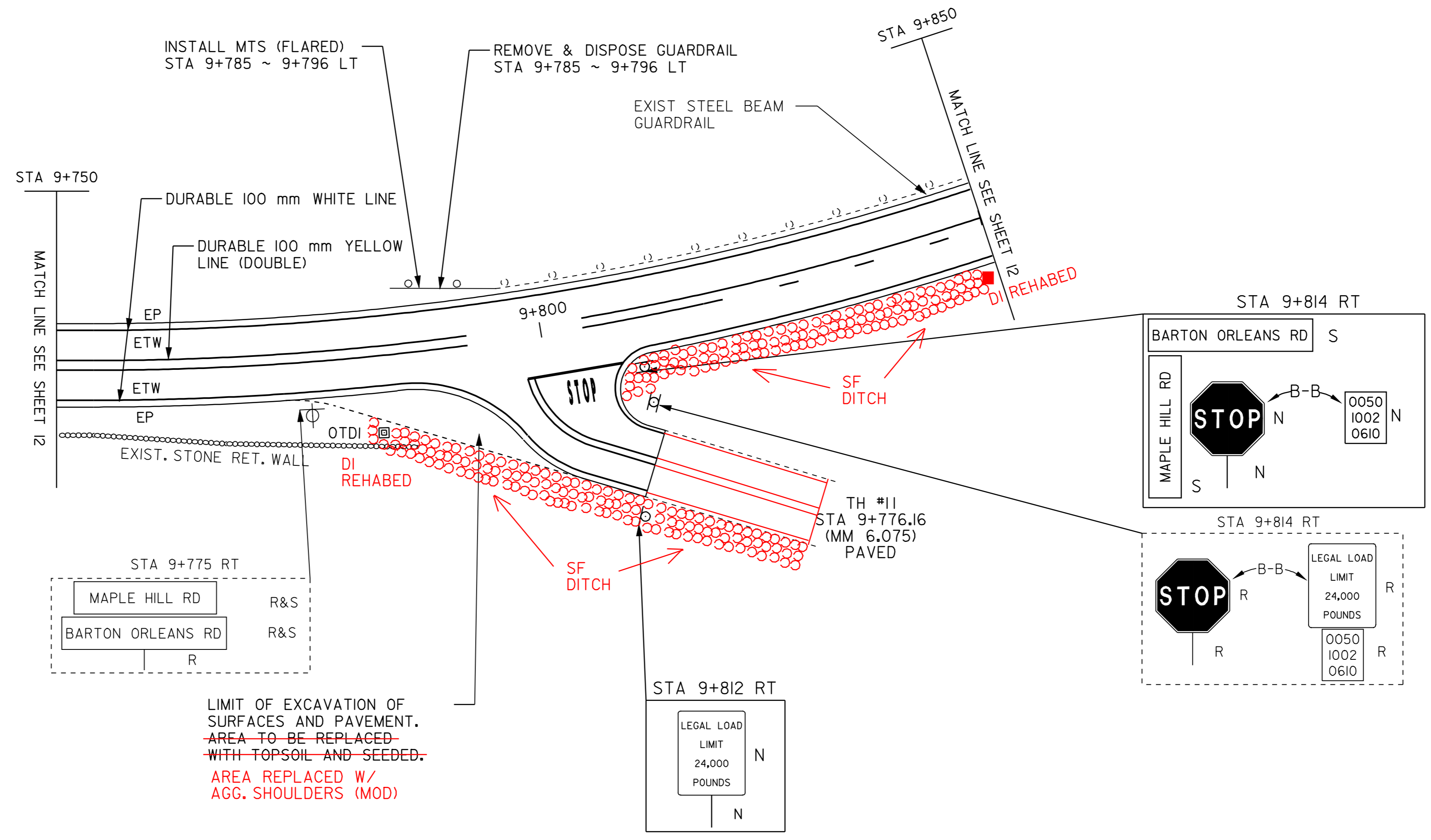
REMOVING SIGNS
 AS SHOWN - 5

ERECTING SALVAGED SIGNS
 AS SHOWN - 2

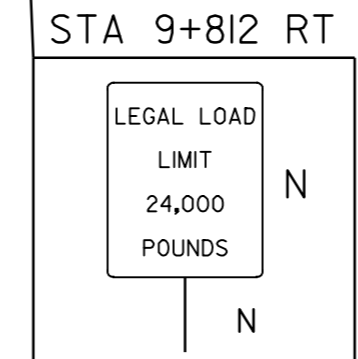
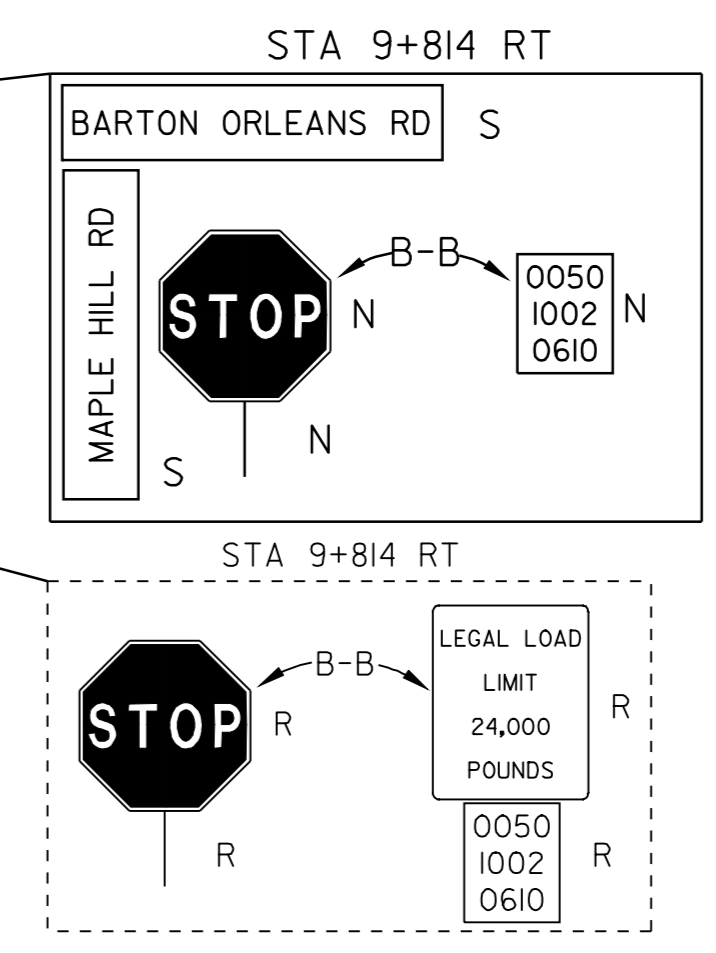
MANUFACTURED TERMINAL SECTION (FLARED)
 STA 9+785 TO 9+796 LT

TEMPORARY AND DURABLE LETTER OR SYMBOL
 STA 9+803 RT "STOP" (TH 11)

TEMPORARY AND DURABLE 600 mm STOP BAR
 STA 9+798 ~ 9+809 RT (TH 11)



LIMIT OF EXCAVATION OF SURFACES AND PAVEMENT.
~~AREA TO BE REPLACED WITH TOPSOIL AND SEEDED.~~
 AREA REPLACED W/ AGG. SHOULDERS (MOD)



LEGEND

- R = REMOVE EXISTING
- S = SALVAGE
- R&S = REMOVE AND SALVAGE
- N = NEW
- RET = RETAIN
- B-B = BACK TO BACK
- = NEW RAIL
- = EXISTING RAIL
- ⊗ = BORING LOCATION

NOTE: ALL DIMENSIONS IN METERS EXCEPT AS INDICATED

INTERSECTION DETAIL #1	PROJECT:	BARTON-IRASBURG	PROJECT NO.:	STP 2107(I)S
	DESIGN FILE NAME:	pave/98c096/pc096.dgn	PLOT DATE:	21-MAY-2007
	IPARM FILE NAME:	pc096d+07.I	SURVEY DATE:	6/99
	SURVEYED BY:	CLD ENGINEERS INC	DRAWN BY:	JLR
	SQUAD LEADER:	WOOLAYER	SHEET:	36 OF 49

DATUM	
VERTICAL	N/A
HORIZONTAL	N/A

NOT TO SCALE

KILOMETER MARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS			NEW & SALVAGED SIGNS				EXIST POST	NO. OF POSTS	NEW SIGN POSTS												REQUIRE SIGN	REMARKS	SIGN DETAIL								
		EA	WIDTH (mm)	HEIGHT (mm)	"A"	"B"	SALV SIGN	SALV TIS			FLANGED CHANNEL			SQUARE STEEL (mm)			TUBULAR ALUMINUM Ø (mm)			TUBULAR STEEL Ø (mm)					W-SHAPE STEEL		DETAIL ON SHEET NUMBER	STD. SHEET NUMBER					
											1.7	3.0	4.5	44	50	63	75	100	100 MOD	FOUND-ATION	75	89			100	125			FTG. SIZE		WEIGHT	POST SIZE	
																													kg/m	kg/m			kg/m
STA 9+812 RT		1	600	750	0.45					1		X																				E-141M	
STA 9+814 RT	MAPLE HILL RD									1		X																				SALVAGED SIGN TO BE INSTALLED USING TOP MOUNTING BRACKET, MOUNTED PERPENDICULAR TO BARTON ORLEANS RD SIGN.	
	BARTON ORLEANS RD																															SALVAGED SIGN TO BE INSTALLED USING TOP MOUNTING BRACKET, MOUNTED 0.3M FROM AND PERPENDICULAR TO TOP OF STOP SIGN	
		1	750	750	0.56																											E-143M	
		1	150	200	0.03																											E-138M	
STA 10+741 LT	KINSEY RD									1		X																					SALVAGED SIGN TO BE INSTALLED USING TOP MOUNTING BRACKET, MOUNTED PERPENDICULAR TO BARTON ORLEANS RD SIGN.
	BARTON ORLEANS RD	1	230	910	0.21																												SALVAGED SIGN TO BE INSTALLED USING TOP MOUNTING BRACKET, MOUNTED 0.3M FROM AND PERPENDICULAR TO TOP OF STOP SIGN
		1	750	750	0.56																												E-143M
		1	150	200	0.03																												E-138M
STA 10+751 LT		1	600	750	0.45					1		X																					E-141M
STA 12+915 RT		1	600	750	0.45					1		X																					E-141M
STA 12+924 RT	HEATH LN									1		X																					SALVAGED SIGN TO BE INSTALLED USING TOP MOUNTING BRACKET, MOUNTED PERPENDICULAR TO BARTON ORLEANS RD SIGN.
	BARTON ORLEANS RD																																SALVAGED SIGN TO BE INSTALLED USING TOP MOUNTING BRACKET, MOUNTED 0.3M FROM AND PERPENDICULAR TO TOP OF STOP SIGN
STA 12+978 LT	TANGUAY LN									1		X																					SALVAGED SIGN TO BE INSTALLED USING TOP MOUNTING BRACKET, MOUNTED PERPENDICULAR TO BARTON ORLEANS RD SIGN.
	BARTON ORLEANS RD																																SALVAGED SIGN TO BE INSTALLED USING TOP MOUNTING BRACKET, MOUNTED 0.3M FROM AND PERPENDICULAR TO TOP OF STOP SIGN
		1	750	750	0.56																												E-143M
		1	150	200	0.03																												E-138M

ORDERED NEW, SIGN NOT THERE WHEN PROJECT STARTED

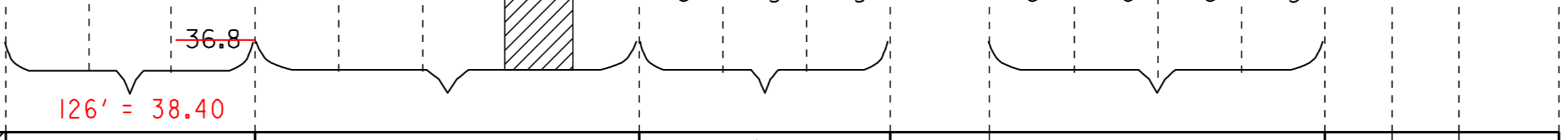
FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE TRAFFIC & SAFETY DIVISION'S "SIGN POST DESIGN GUIDELINE."												m		m		m		m		m		EA		kg		kg		kg		kg		kg		EA		EA		kg	
												32.2		98' = 29.87																									
												m		m		EA		m ²		EA		m ²		kg		EA		EA		kg									
												-32.2		29.87		32.2																							

SHEET TOTALS

PROJECT :	BARTON-IRASBURG	PROJECT NO. :	STP_2107(1)S
DESIGN FILE NAME:	pave/98c096/pc096.dgn	PLOT DATE:	21-MAY-2007
IPARM FILE NAME:	pc096ts01.i	SURVEYED BY:	CLD ENGINEERS INC
SURVEYED BY:	CLD ENGINEERS INC	DRAWN BY:	NLL
SQUAD LEADER:	WRH	SHEET:	37 OF 49

KILOMETER MARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS			NEW & SALVAGED SIGNS				EXIST POST	NO. OF POSTS	NEW SIGN POSTS												REMARKS	SIGN DETAIL											
		EA	WIDTH (mm)	HEIGHT (mm)	"A"	"B"	SALV SIGN	SALV TIS			RETAIN	SALVAGE	FLANGED CHANNEL			SQUARE STEEL (mm)			TUBULAR ALUMINUM Ø (mm)			TUBULAR STEEL Ø (mm)				W-SHAPE STEEL		FRAMING SIGN	REQUIRED	DETAIL ON SHEET NUMBER	STD. SHEET NUMBER				
													1.7	3.0	4.5	44	50	63	75	100	100 MOD	FOUND-ATION		75	89	100	125					600 mm	750 mm	WEIGHT	POST SIZE
STA 12+995 LT		1	600	750	0.45					1		X			X																E-141M				
STA 14+004 LT	LAKE REGION RD						1			1		X			X															SALVAGED SIGN TO BE INSTALLED USING TOP MOUNTING BRACKET, MOUNTED PERPENDICULAR TO BARTON ORLEANS RD SIGN.					
	BARTON ORLEANS RD	1	230	910	0.21		+																							SALVAGED SIGN TO BE INSTALLED USING TOP MOUNTING BRACKET, MOUNTED 0.3M FROM AND PERPENDICULAR TO TOP OF STOP SIGN					
		1	750	750	0.56																									E-143M					
		1	150	200	0.03																									E-138M					
STA 14+016 LT		1	600	750	0.45					1		X			X															E-141M					
STA 14+269 RT		1	600	750	0.45					1		X			X															E-141M					
STA 14+279 RT	MAY FARM RD						1			1		X			X															SALVAGED SIGN TO BE INSTALLED USING TOP MOUNTING BRACKET, MOUNTED PERPENDICULAR TO BARTON ORLEANS RD SIGN.					
	BARTON ORLEANS RD						1																							SALVAGED SIGN TO BE INSTALLED USING TOP MOUNTING BRACKET, MOUNTED 0.3M FROM AND PERPENDICULAR TO TOP OF STOP SIGN					
		1	750	750	0.56																									E-143M					
		1	150	200	0.03		+																							BACK TO BACK MM DAMAGED, ORDERED NEW					
STA 15+255 RT		1	600	750	0.45					1		X			X															E-141M					
STA 15+596 RT		1	750	750	0.56					1		X			X															SEE DETAIL ON SHEET 48.					
STA 15+702 RT		4	225	1200	1.08					1		14'			X															2 SIGNS EACH SIDE OF TRACKS - SEE LAYOUT SHEET 23					

ORDERED NEW, SIGN NOT THERE WHEN PROJECT STARTED



SHEET TOTALS	m ² 4.83 4.05	m ²	EA. 4 6	m ²	m 36.8 38.40	m 36.8	kg	EA.	kg	EA.	EA.	kg
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PROJECT : BARTON-IRASBURG PROJECT NO. : STP 2107(1)S

DESIGN FILE NAME: pave/98c096/pc096.dgn PLOT DATE: 21-MAY-2007

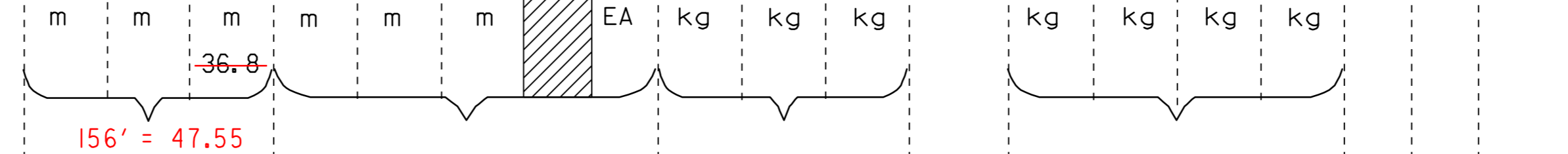
IPARM FILE NAME: pc096ts02.i SURVEYED BY: CLD ENGINEERS, INC SURVEY DATE: 6/99

SQUAD LEADER: WRH DRAWN BY: NLL

SHEET: 38 OF 49

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

KILOMETER MARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS			NEW & SALVAGED SIGNS				EXIST POST	NO. OF POSTS	NEW SIGN POSTS												REMARKS	SIGN DETAIL							
		EA	WIDTH (mm)	HEIGHT (mm)	"A"	"B"	SALV SIGN	SALV TIS			FLANGED CHANNEL		SQUARE STEEL (mm)			TUBULAR ALUMINUM Ø (mm)			TUBULAR STEEL Ø (mm)					W-SHAPE STEEL		DETAIL ON SHEET NUMBER	STD. SHEET NUMBER				
											1.7	3.0	4.5	44	50	63	75	100	100 MOD	FOUND-ATION	75	89		100	125			FTG. SIZE		WEIGHT	POST SIZE
STA 15+710 RT	SOULIERE LN						1			1			X																SALVAGED SIGN TO BE INSTALLED USING TOP MOUNTING BRACKET, MOUNTED PERPENDICULAR TO BARTON ORLEANS RD SIGN.		
	BARTON ORLEANS RD						1																					SALVAGED SIGN TO BE INSTALLED USING TOP MOUNTING BRACKET.			
	0050 1002 0976	1	150	200	0.03																									E-138M	
STA 15+816 LT		1	750	750	0.56					1			X															SEE DETAIL ON SHEET 48.			
STA 16+016 LT	INDUSTRIAL PARK LN						1			1			X															SALVAGED SIGN TO BE INSTALLED USING TOP MOUNTING BRACKET, MOUNTED PERPENDICULAR TO BARTON ORLEANS RD SIGN.			
	BARTON ORLEANS RD						1																					SALVAGED SIGN TO BE INSTALLED USING TOP MOUNTING BRACKET, MOUNTED 0.3M FROM AND PERPENDICULAR TO TOP OF STOP SIGN			
	0050 1002 0996	1	750	750	0.56								X															BACK TO BACK MM DAMAGED, ORDERED NEW		E-143M	
		1	600	750	0.45					1			X																		E-141M
STA 16+707 RT		1	900	900	0.81					2			14'																		E-150M
STA 16+814 RT		1	900	750	0.68					2			14'																		E-145AM
STA 16+846 RT	SALVAGED MM 0050 1002 1006	1	750	750	0.56					1			X																		E-143M
STA 16+846 LT		1	750	750	0.56					1			X																		E-143M
16+846 LT	POST HIT BY CAR, SALV. STOP SIGN ON NEW 14' POST									1			X																		



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

SHEET TOTALS

EA	kg	kg	kg	kg	kg	kg	EA	kg	EA	EA	kg
6.5	47.55	36.8	36.8	36.8	36.8	36.8	EA	kg	EA	EA	kg

PROJECT :	BARTON-IRASBURG	PROJECT NO. :	STP 2107(I)S
DESIGN FILE NAME:	pave/98c096/pc096.dgn	PLOT DATE:	21-MAY-2007
IPARM FILE NAME:	pc096ts03.i	SURVEYED BY:	CLD ENGINEERS, INC
SURVEYED BY:	CLD ENGINEERS, INC	SURVEY DATE:	6/99
SQUAD LEADER:	WRH	DRAWN BY:	NLL
		SHEET:	39 OF 49

BRIDGE QUANTITY SUMMARY

NOTES

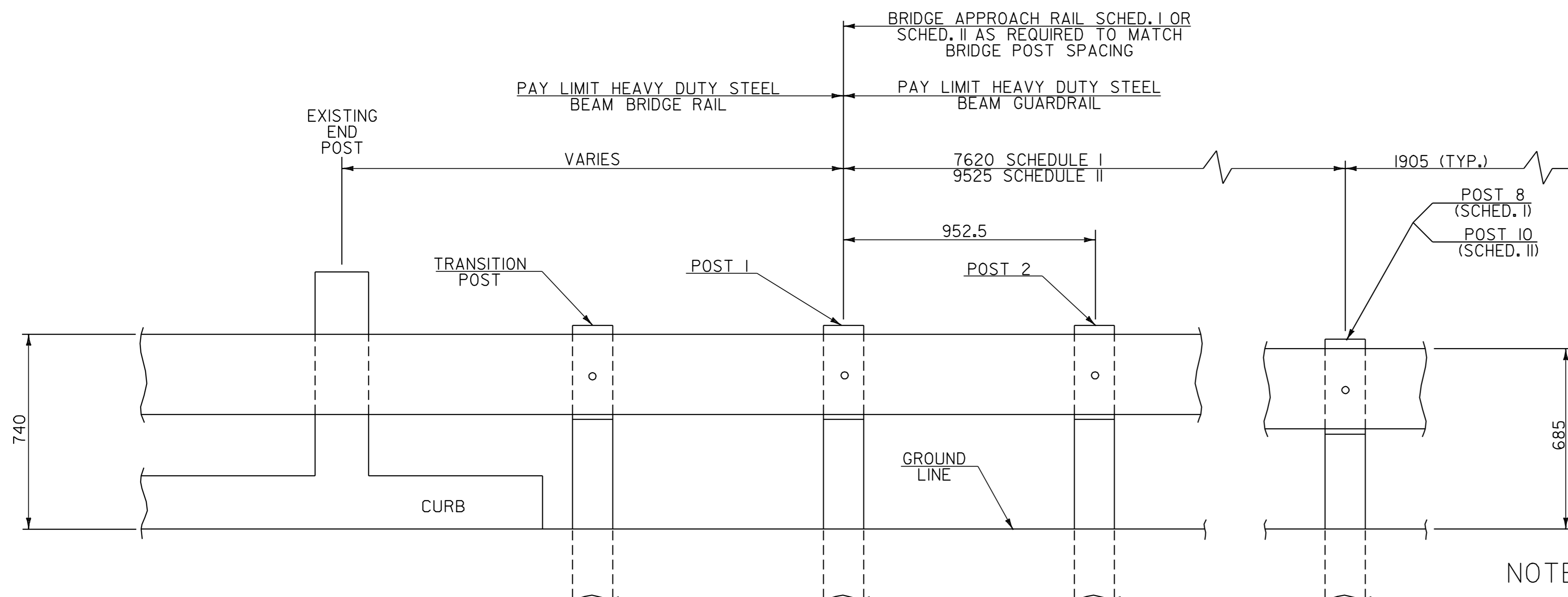
1. BRIDGE RAIL SHALL BE HEAVY DUTY STEEL BEAM RAIL.
2. BRIDGE APPROACH RAIL HEIGHT SHALL BE TRANSITIONED TO NORMAL ROADWAY RAIL HEIGHT IN 7.62 METERS.
3. APPROACH RAILING SHALL BE HEAVY DUTY STEEL BEAM FOR 7.62 METERS FOR SCHEDULE I OR 9.52 METERS FOR SCHEDULE II FROM THE ENDS OF THE BRIDGE.
4. FOR BRIDGE RAILING, THE TRANSITION POST SHALL HAVE AN OFFSET BLOCK AND BE LOCATED AS CLOSE AS PRACTICAL TO THE MID-POINT BETWEEN THE BRIDGE END POST AND APPROACH RAIL POST 1.
5. SPLICES SHALL LAP IN DIRECTION OF TRAFFIC FLOW.
6. SEE STANDARD SHEET G-1M FOR DELINEATION DETAILS AND PLACEMENT.
7. ERECT DELINEATORS ON EVERY FIFTH POST OR APPROXIMATELY 9 METERS APART. PAYMENT SHALL BE SUBSIDIARY TO OTHER ITEMS IN THE CONTRACT.
8. PLUG JOINT SHALL BE INSTALLED ONLY AT BRIDGE EXPANSION JOINTS ON ANY BRIDGE GREATER THAN 9.0 METERS IN LENGTH AS DIRECTED BY THE RESIDENT ENGINEER.
9. ALL POSTS, PLATES, OFFSET BLOCKS AND FIXTURES SHALL BE ASTM A572/A572M STEEL UNLESS OTHERWISE NOTED, AND SHALL BE GALVANIZED AFTER FABRICATION IN ACCORDANCE W/ STANDARD SPECIFICATION 525.02.
10. AN ESTIMATED QUANTITY OF ITEM 501.22 CONCRETE CLASS A AND ITEM 507.15 REINFORCING STEEL HAVE BEEN ADDED TO REPAIR BRIDGE DAMAGE.

ITEM 501.22 CONCRETE CLASS A 1 M3 (EST)
ITEM 507.15 REINFORCING STEEL 100 KG (EST)

STATION	STATION	POS.	BRIDGE NO.	OFFSET BLOCK	525.10 REMOVAL OF EXIST. RAILING	525.40 H.D.S.B. CURB MTD. (MOD 1)	525.40 H.D.S.B. CURB MTD. (MOD 2)	525.40 H.D.S.B. CURB MTD. (MOD 3)	525.41 H.D.S.B. FASCIA MTD.	525.41 H.D.S.B. FASCIA MTD. (MOD 2)	525.41 H.D.S.B. FASCIA MTD. (MOD 3)	529.25 REMOVAL OF CONC. OR MASONRY	REMARKS
10+704	10+717				13.3						13.34		STA. FOR NEW
10+703	10+715	LT	165	150	-11						-11.4		FOR DETAILS SEE SHEET 27 10+704 - 10+717 LT
10+707	10+720				13.3								
10+703	10+715	RT	165	150	-11				13.34		-11.4		FOR DETAILS SEE SHEET 27 10+712 - 10+725 RT
12+616					26.7								
12+617	12+643	LT	167	150	-27						26.67		FOR DETAILS SEE SHEET 28 12+616 - 12+643 LT
12+619					26.7								
12+620	12+646	RT	167	150	-27						26.67		FOR DETAILS SEE SHEET 28 12+619 - 12+646 RT
SUBTOTAL					-76						-76.0		
ROUNDING					-						0		
TOTALS					80				13.34		66.68		
					-76						-76		

BRIDGE APPROACH RAILING

WHEN A RAIL PANEL SPLICE OCCURS AT POST NO.1, USE SCHEDULE I FOR APPROACH RAILING. WHEN A RAIL PANEL SPLICE OCCURS AT BRIDGE END POST USE SCHEDULE II FOR APPROACH RAILING.



SCHEDULE I		
POST NO.	SPACING	PAYMENT FACTOR
1	952.5	1.4 x 3810
2	952.5	
3	952.5	
4	952.5	
5	952.5	
6	1270	1.2 x 3810
7	1270	
8	1270	
9	1905 (TYP.)	1.0 (TYP.)

SCHEDULE II		
POST NO.	SPACING	PAYMENT FACTOR
1	952.5	1.4 X 5715
2	952.5	
3	952.5	
4	952.5	
5	952.5	
6	952.5	1.2 x 3810
7	1270	
8	1270	
9	1270	1.0 (TYP.)
10	1270	
11	1905 (TYP.)	

NOTE: ALL DIMENSIONS IN MILLIMETERS EXCEPT AS INDICATED

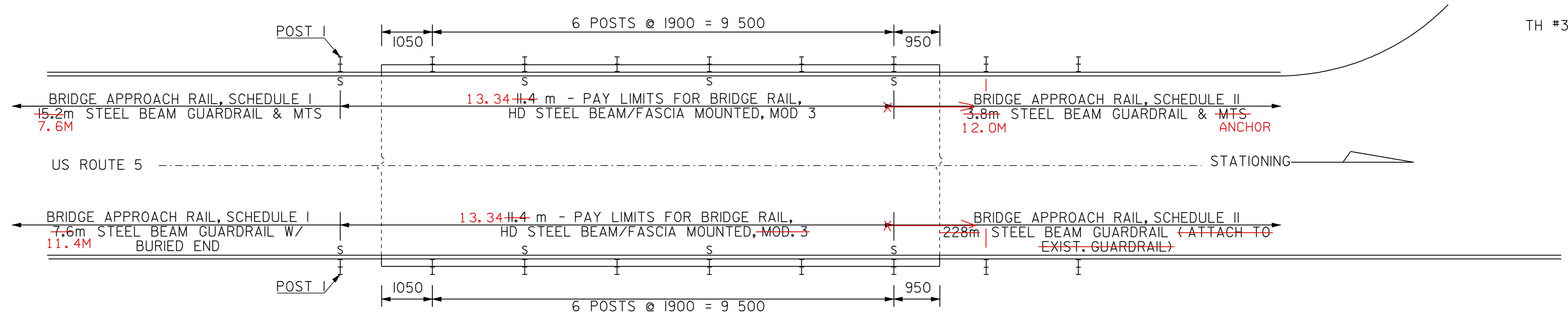
BRIDGE APPROACH RAILING

NOT TO SCALE

BRIDGE DETAIL SHEET #1

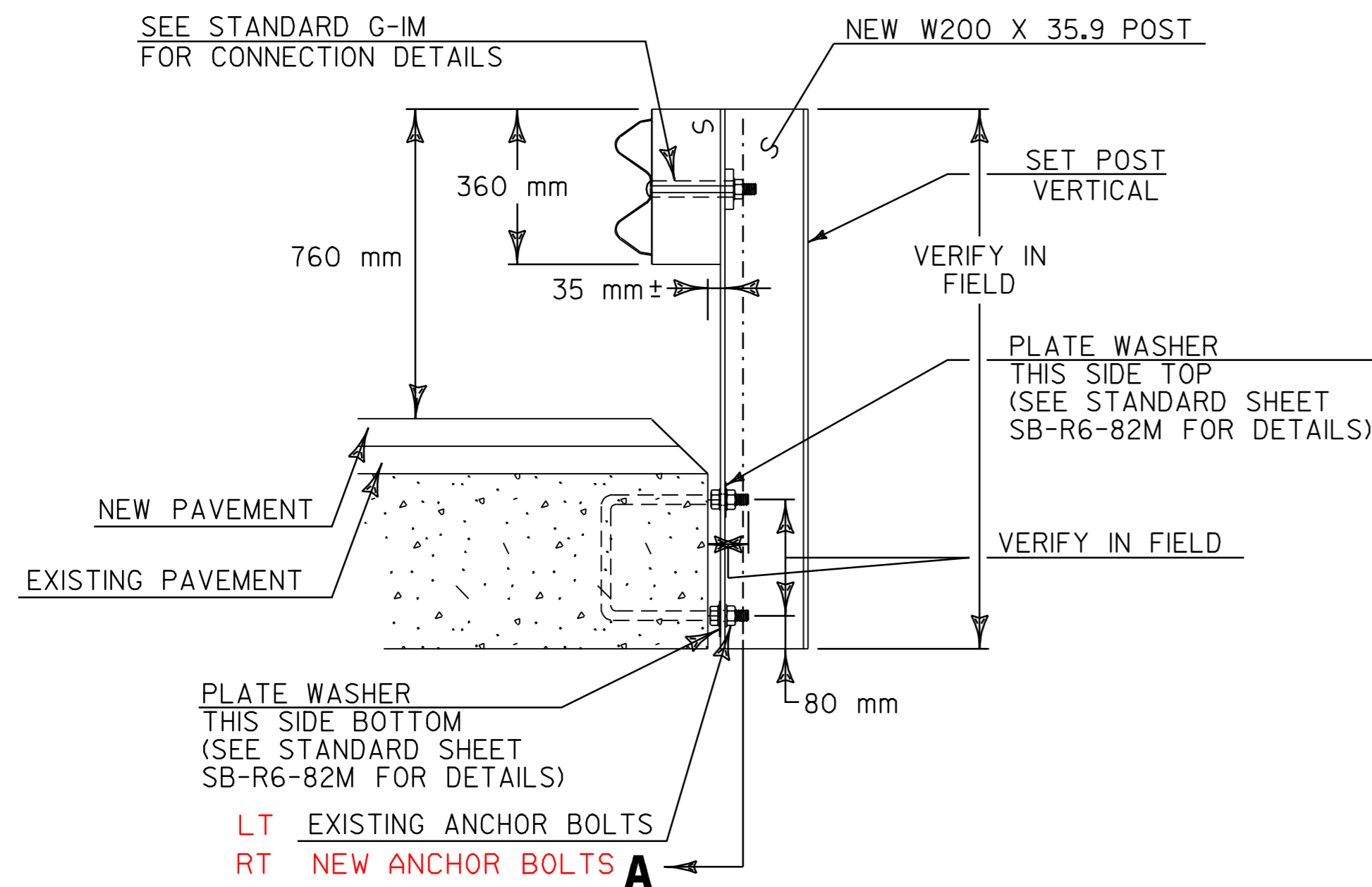
PROJECT: BARTON-IRASBURG	PROJECT NO.: STP 2107(1)S
DESIGN FILE NAME: <u>pave/98c096/pc096.dgn</u>	PLOT DATE: <u>21-MAY-2007 13</u>
IPARM FILE NAME: <u>pc096br1</u>	SURVEY DATE: <u>6/99</u>
SURVEYED BY: <u>CLD ENGINEERS INC</u>	DRAWN BY: <u>NLL</u>
SQUAD LEADER: <u>WRH</u>	SHEET: <u>44</u> OF <u>49</u>

DATUM _____
VERTICAL _____
HORIZONTAL _____

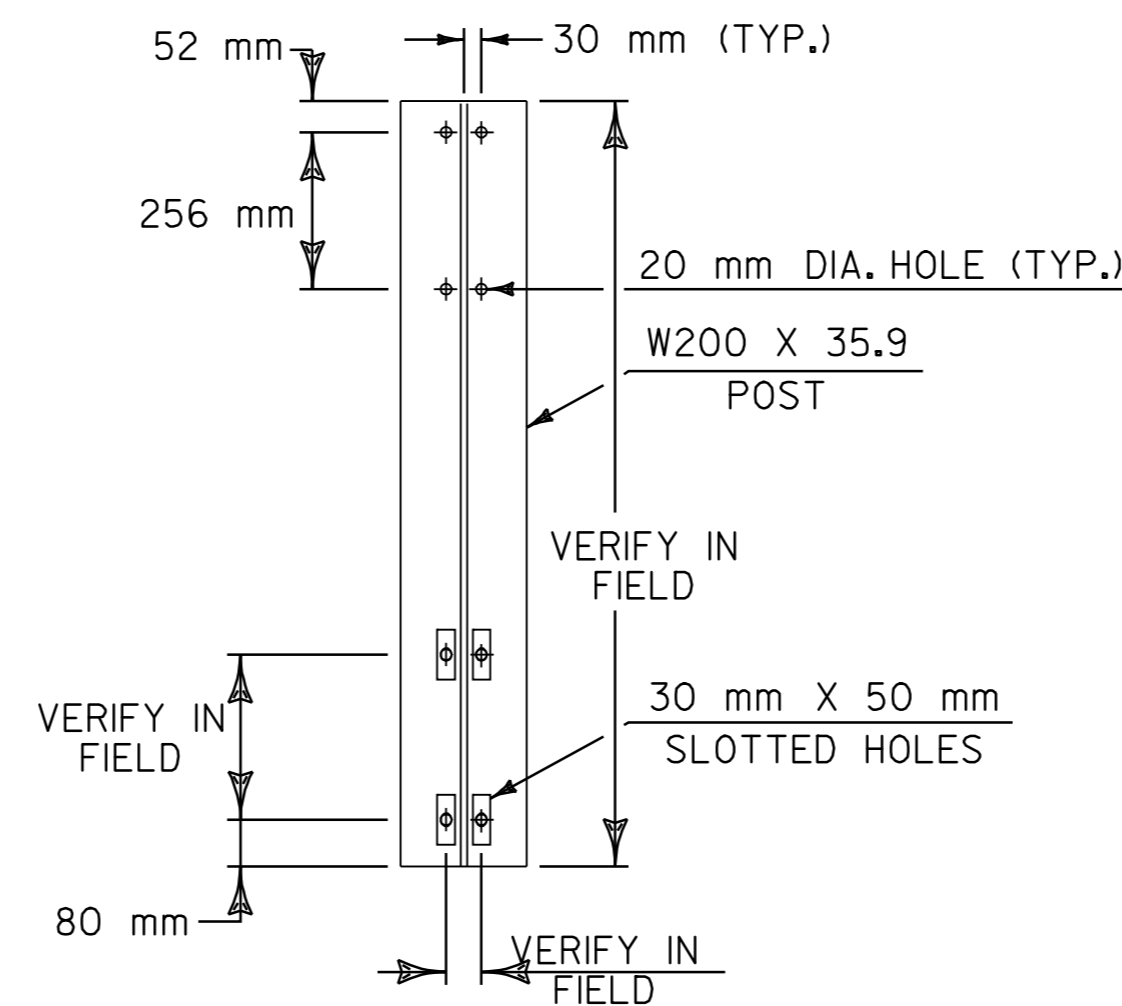


**BR #165 @ STA 10+710.06
(MM 6.655)**

NOT TO SCALE



BR 165 BRIDGE POST DETAIL
NOT TO SCALE

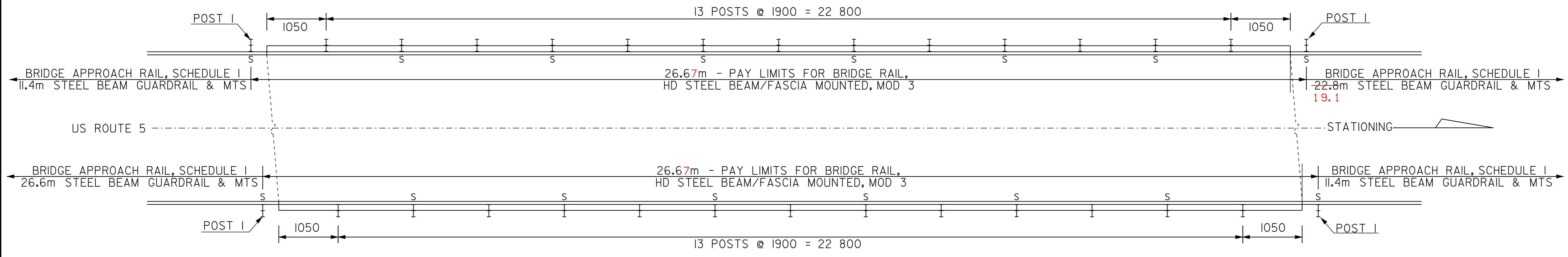


SECTION A-A

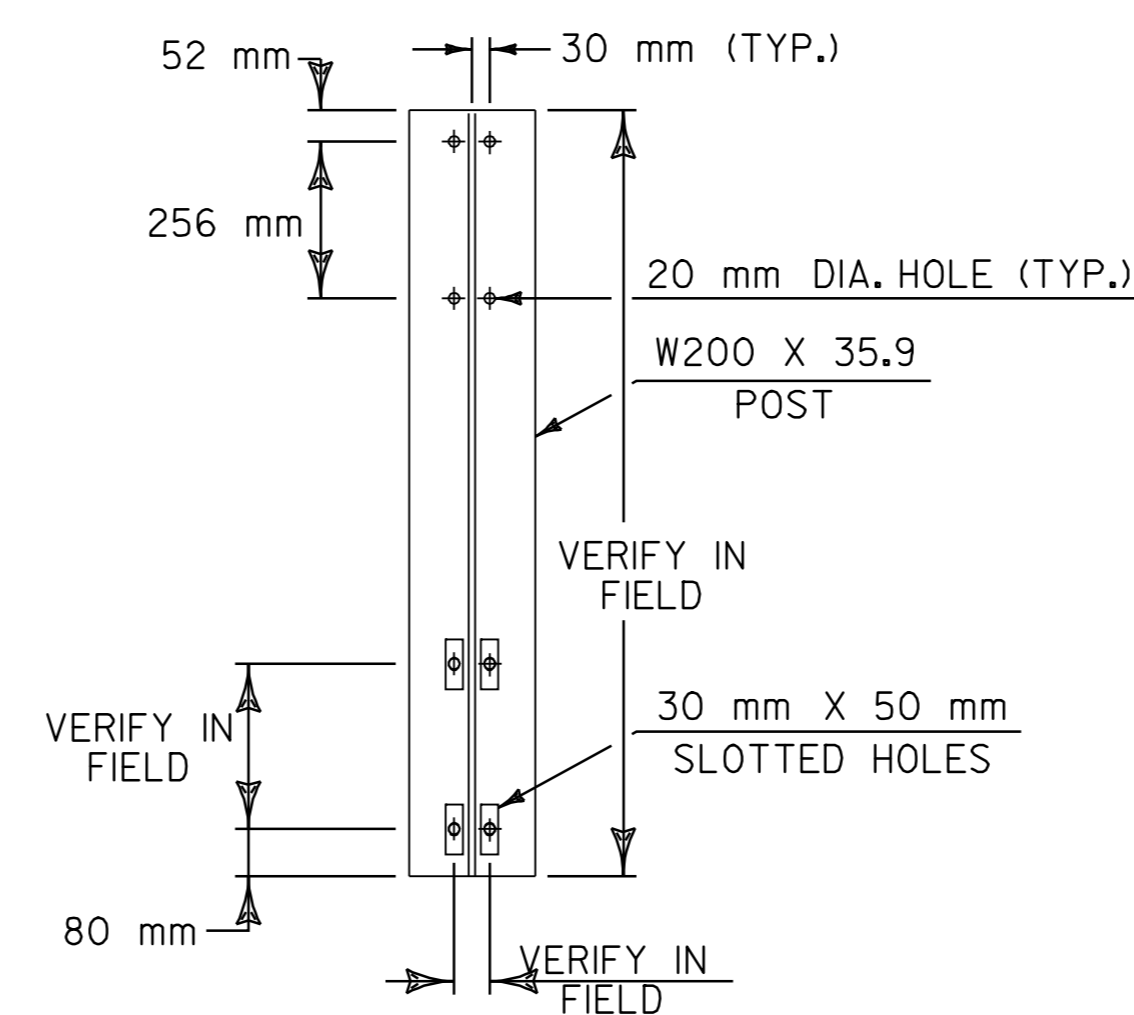
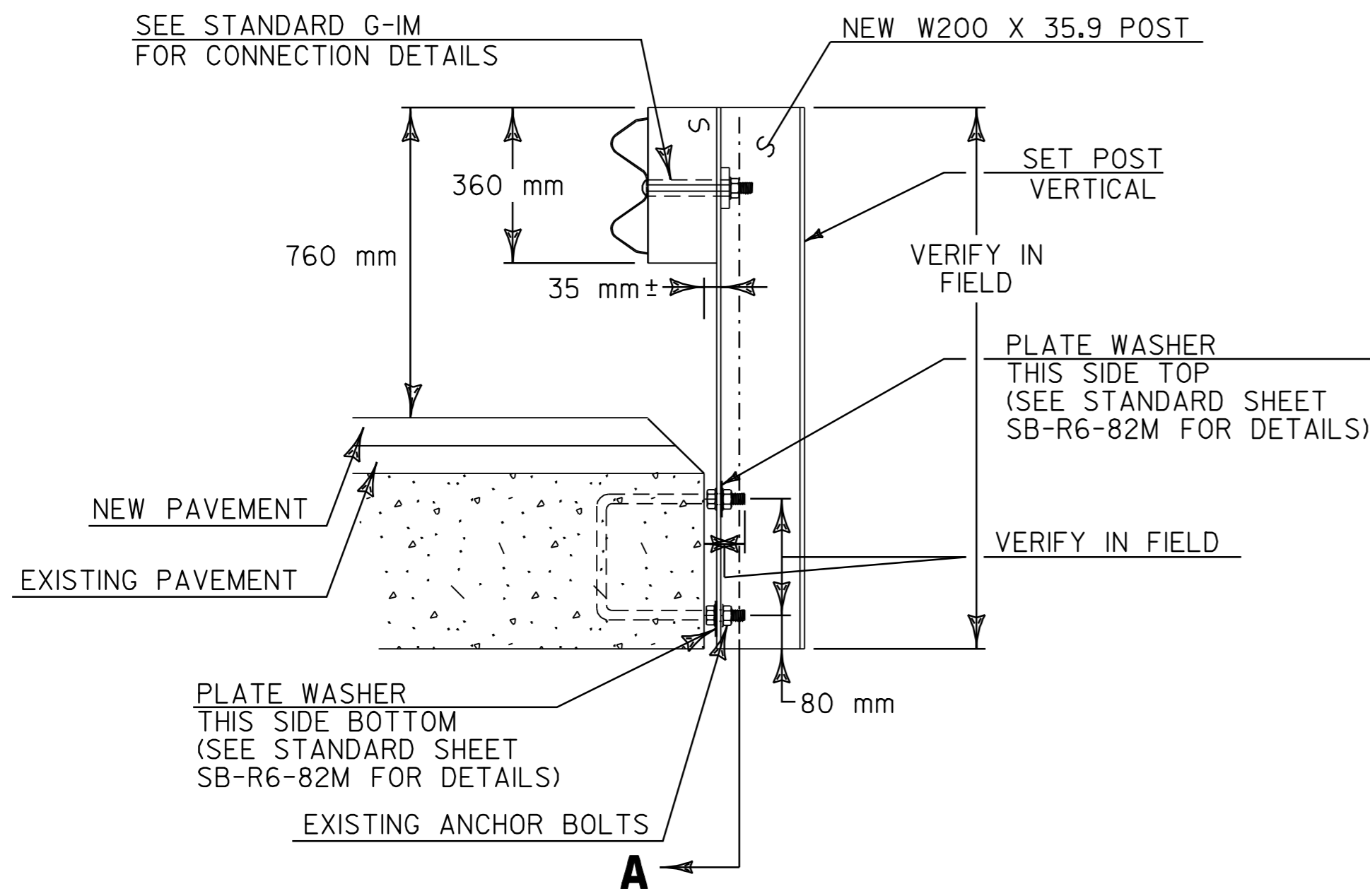
NOTE: ALL DIMENSIONS IN MILLIMETERS EXCEPT AS INDICATED

DATUM	_____
VERTICAL	_____
HORIZONTAL	_____

BRIDGE DETAIL SHEET #2	PROJECT: BARTON-IRASBURG	PROJECT NO.: STP 2107(I)S
	DESIGN FILE NAME: <u>pave/98c096/pc096.dgn</u>	
	IPARM FILE NAME: <u>pc096br2.i</u>	PLOT DATE: <u>21-MAY-2007 13</u>
	SURVEYED BY: <u>CLD_ENGINEERS_INC</u>	SURVEY DATE: <u>6/99</u>
	SQUAD LEADER: <u>WRH</u>	DRAWN BY: <u>ZE_NLL</u>
		SHEET: <u>45</u> OF <u>49</u>



BR #167 @ STA 12+631.52
(MM 7.849)
NOT TO SCALE



SECTION A-A

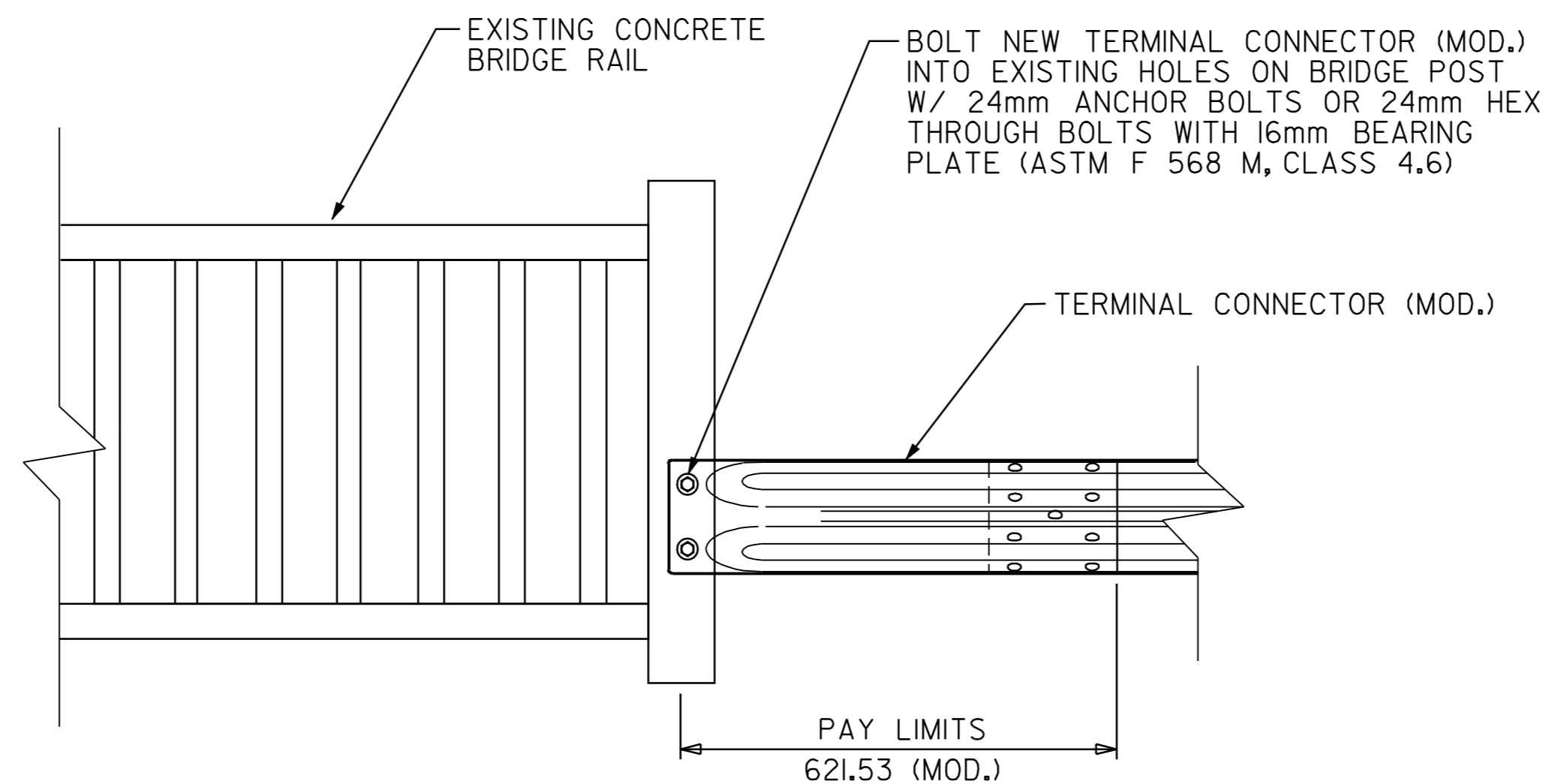
NOTE: ALL DIMENSIONS IN MILLIMETERS EXCEPT AS INDICATED

BR 167 BRIDGE POST DETAIL
NOT TO SCALE

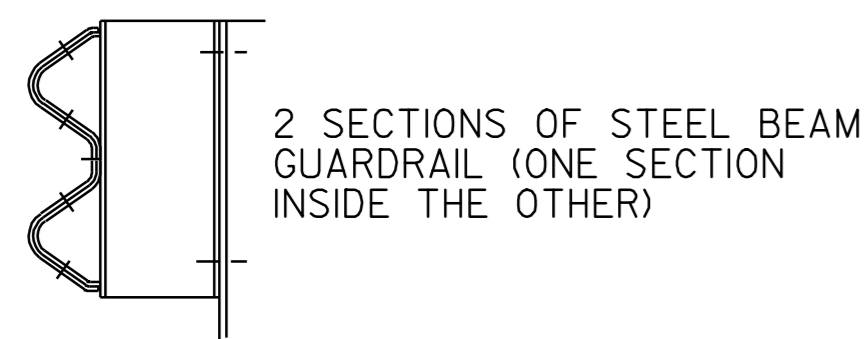
DATUM	_____
VERTICAL	_____
HORIZONTAL	_____

**BRIDGE
DETAIL
SHEET #3**

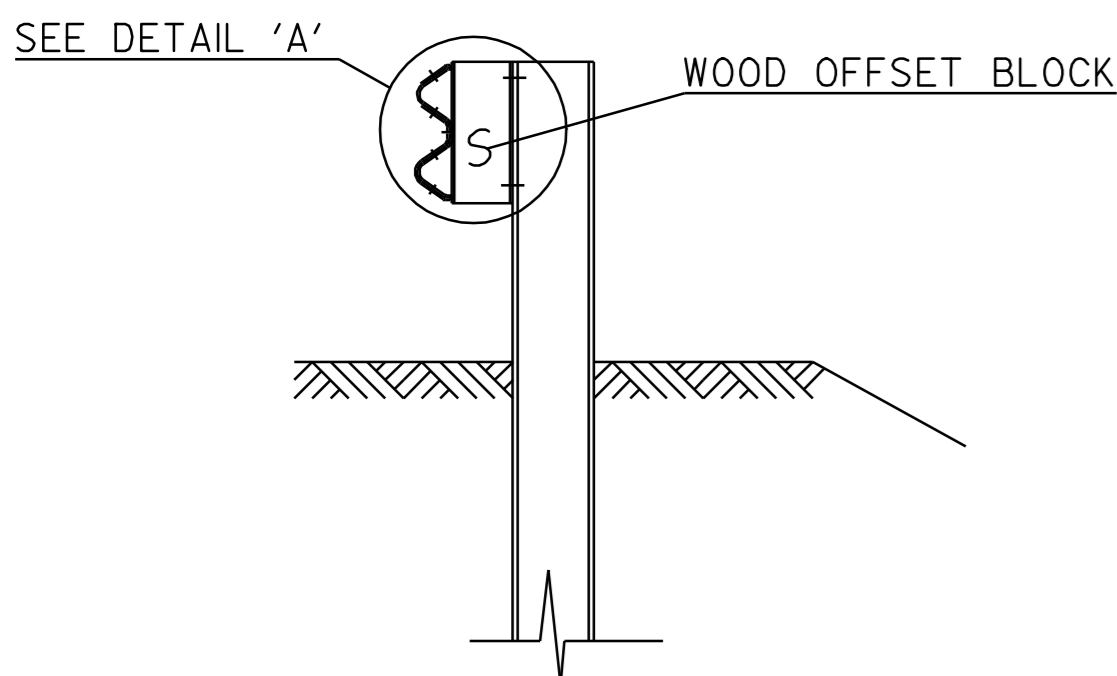
PROJECT:	BARTON-IRASBURG	PROJECT NO.:	STP 2107(I)S
DESIGN FILE NAME:	pave/98c096/pc096.dgn	PLOT DATE:	21-MAY-2007 13
IPARM FILE NAME:	pc096br3.l	SURVEY DATE:	6/99
SURVEYED BY:	CLD ENGINEERS INC	DRAWN BY:	NLL
SQUAD LEADER:	WRH	SHEET:	46 OF 49



TERMINAL CONNECTOR (MOD.) DETAIL
NOT TO SCALE

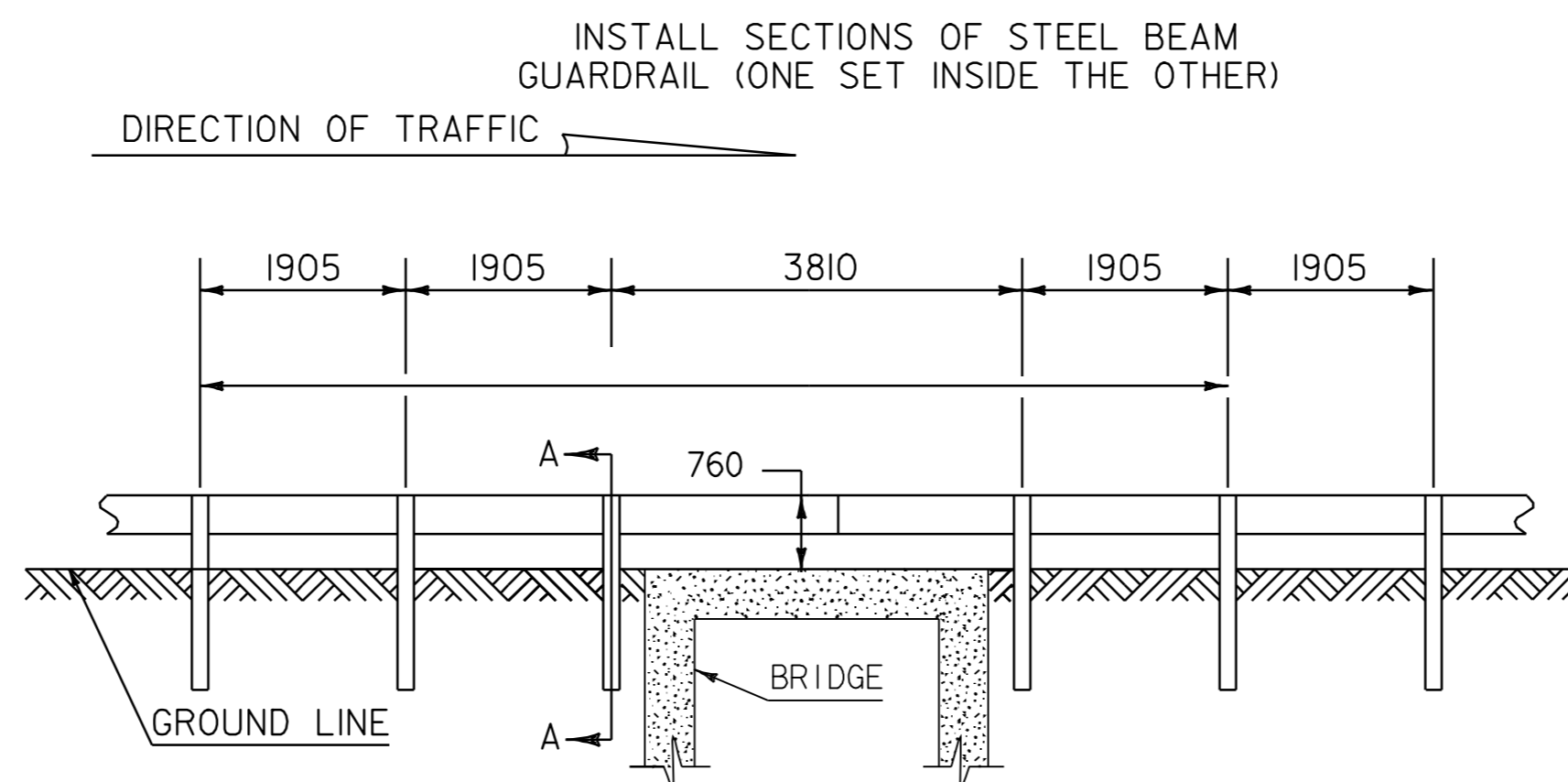


DETAIL A



SECTION A-A

NOT TO SCALE



DETAIL OF STEEL BEAM GUARDRAIL

BRIDGE #164 STA 10+279.08 (MM 6.387)
BRIDGE #168 STA 13+926.31 (MM 8.653)

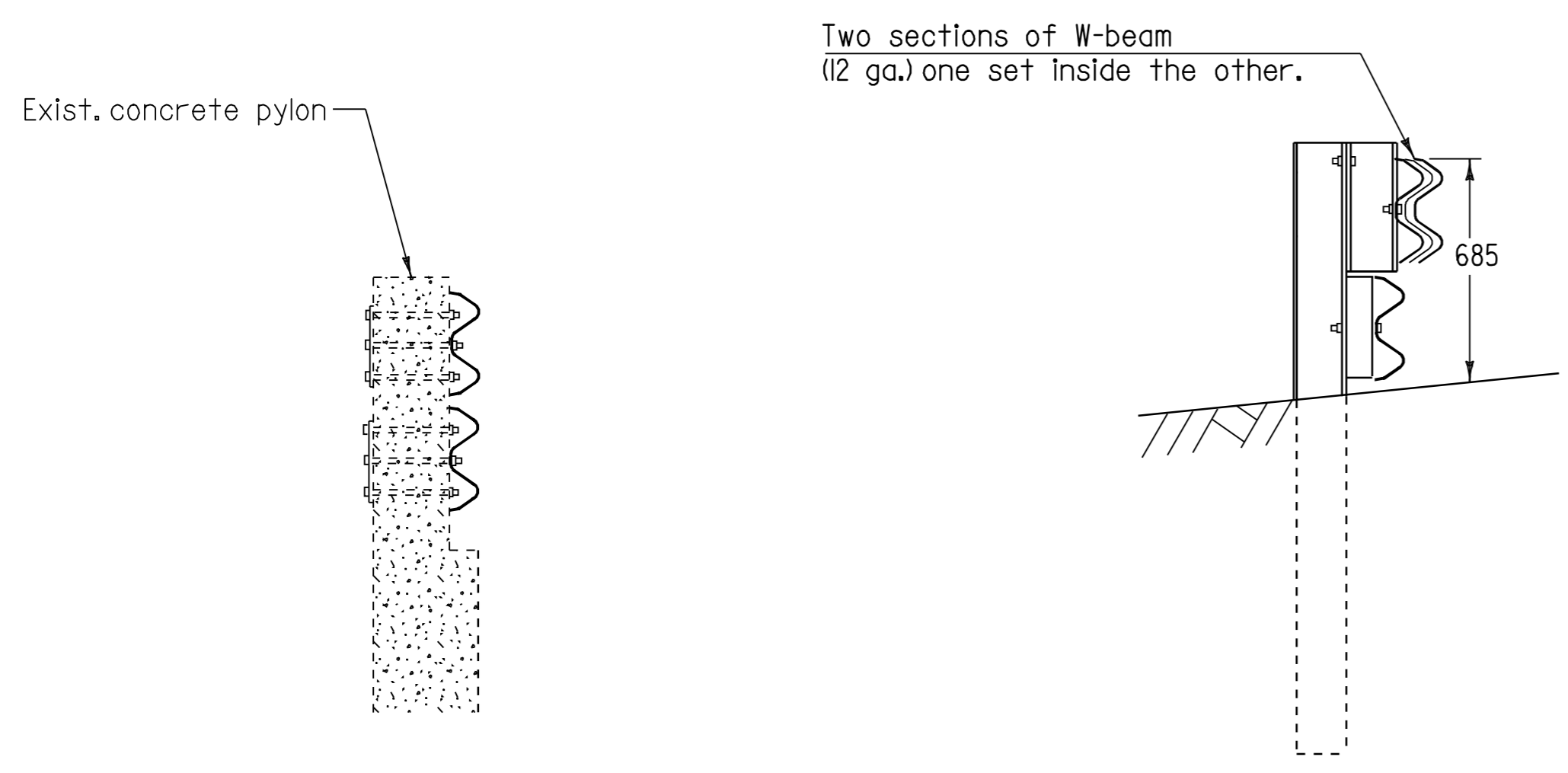
NOTES

1. SEE STANDARD G-IM & G-IDM FOR STEEL BEAM GUARDRAIL DETAILS.
2. THIS DETAIL TO BE USED AS INDICATED ON THE ITEM DETAIL SHEET OR AS DIRECTED BY THE ENGINEER.
3. THIS WORK SHALL BE PAID FOR AS STEEL BEAM GUARDRAIL AT A PAY FACTOR OF 1.0.

NOTE: ALL DIMENSIONS IN MILLIMETERS EXCEPT AS INDICATED

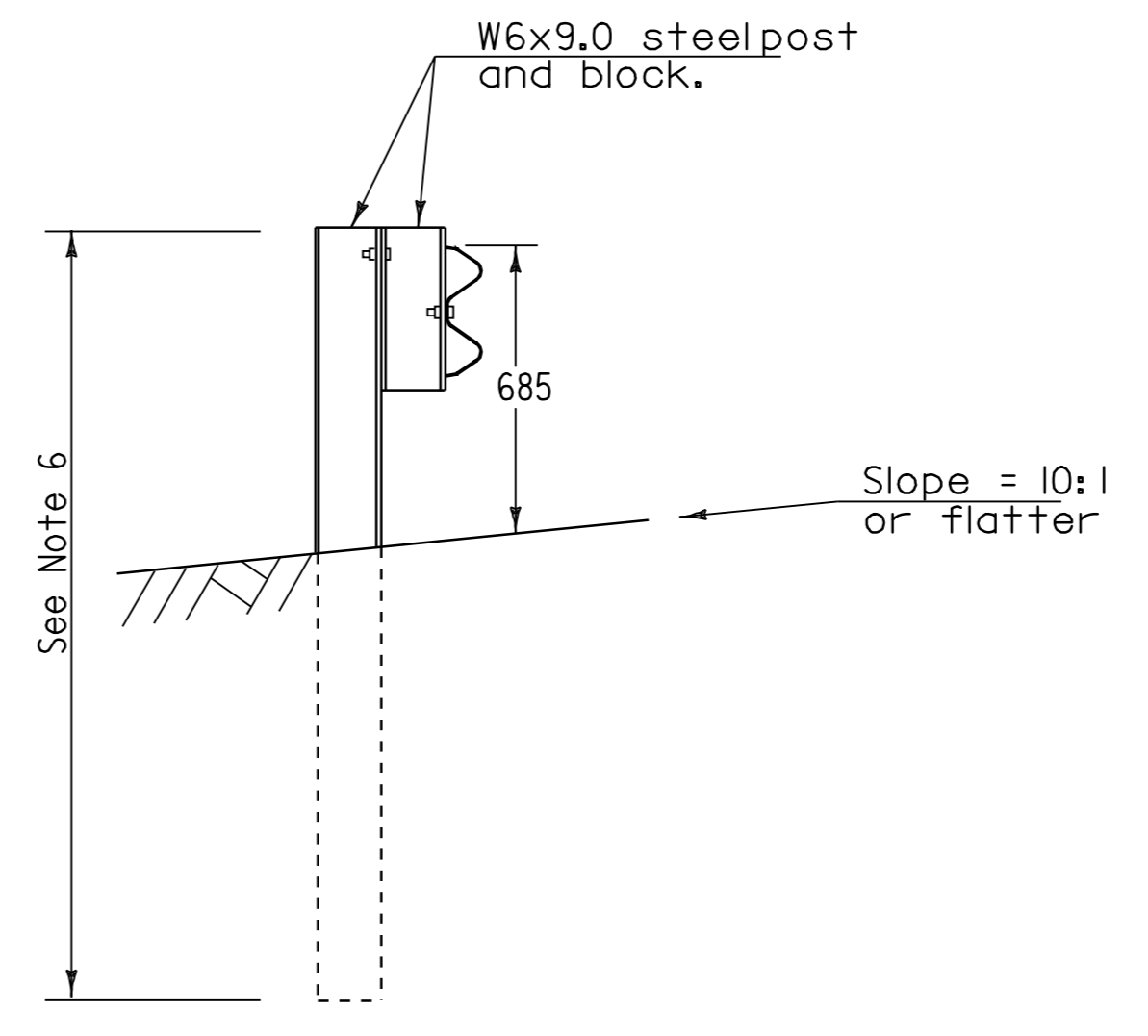
DATUM	
VERTICAL	_____
HORIZONTAL	_____

BRIDGE DETAIL SHEET #4	PROJECT: BARTON-IRASBURG	PROJECT NO.: STP 2107(I)S
	DESIGN FILE NAME: <u>pave/98c096/pc096.dgn</u>	
	IPARM FILE NAME: <u>pc096br4.i</u>	PLOT DATE: <u>21-MAY-2007 13</u>
	SURVEYED BY: <u>CLD ENGINEERS INC</u>	SURVEY DATE: <u>6/99</u>
	SQUAD LEADER: <u>WRH</u>	DRAWN BY: <u>NLL</u>
		SHEET: <u>47</u> OF <u>49</u>



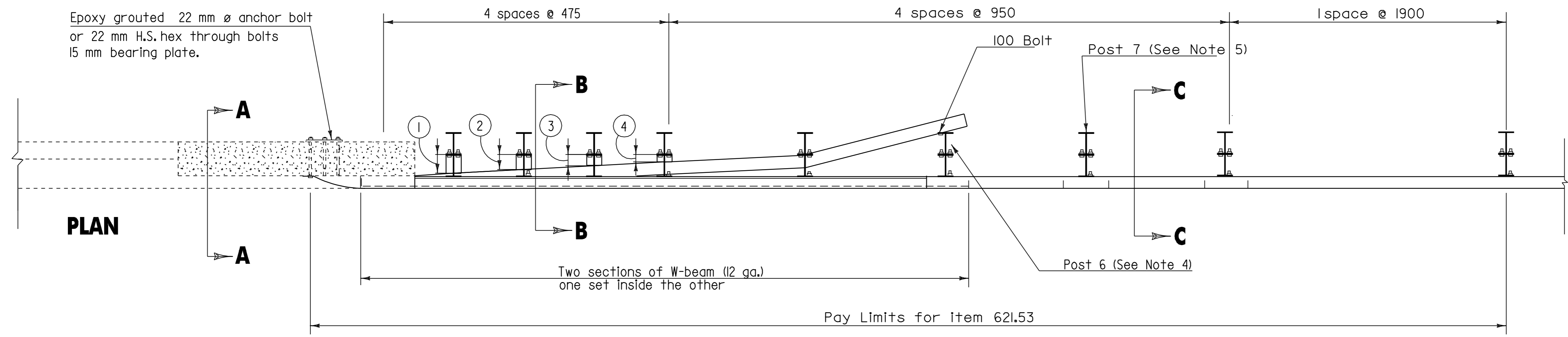
SECTION A-A

SECTION B-B



SECTION C-C

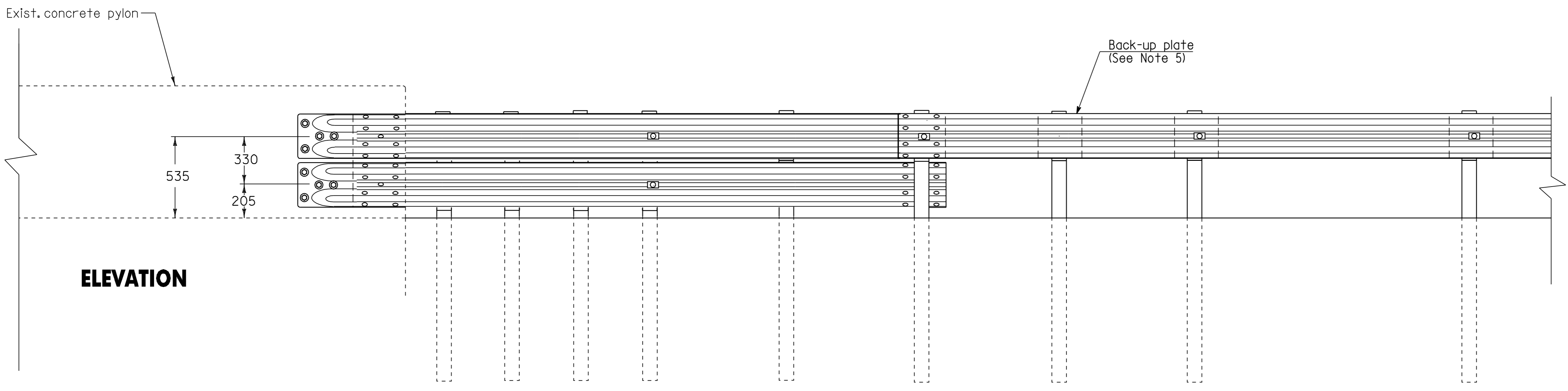
1. This guardrail transition is for connection to a vertical concrete bridge rail and should not be connected directly to a concrete safety shape.
2. Bottom beam blocks are offset drilled to sit squarely on the post flange. Blocks are attached with 15 mm carriage bolts.
3. The rubrail may be shop bent in the last 1 meter to facilitate installation.
4. Posts 1,2,3,4 and 6 require an additional hole to attach lower blocks and or lower beam.
5. At post 7, back-up plate bolted to block only.
6. Posts will be either 1.8 meters or 2.5 meters steel posts, as directed by the Engineer.



PLAN

BOTTOM BEAM WOOD BLOCKS 310 mm X 115 mm

POST#	THICKNESS (mm)
①	125
②	100
③	75
④	50



ELEVATION

Not To Scale

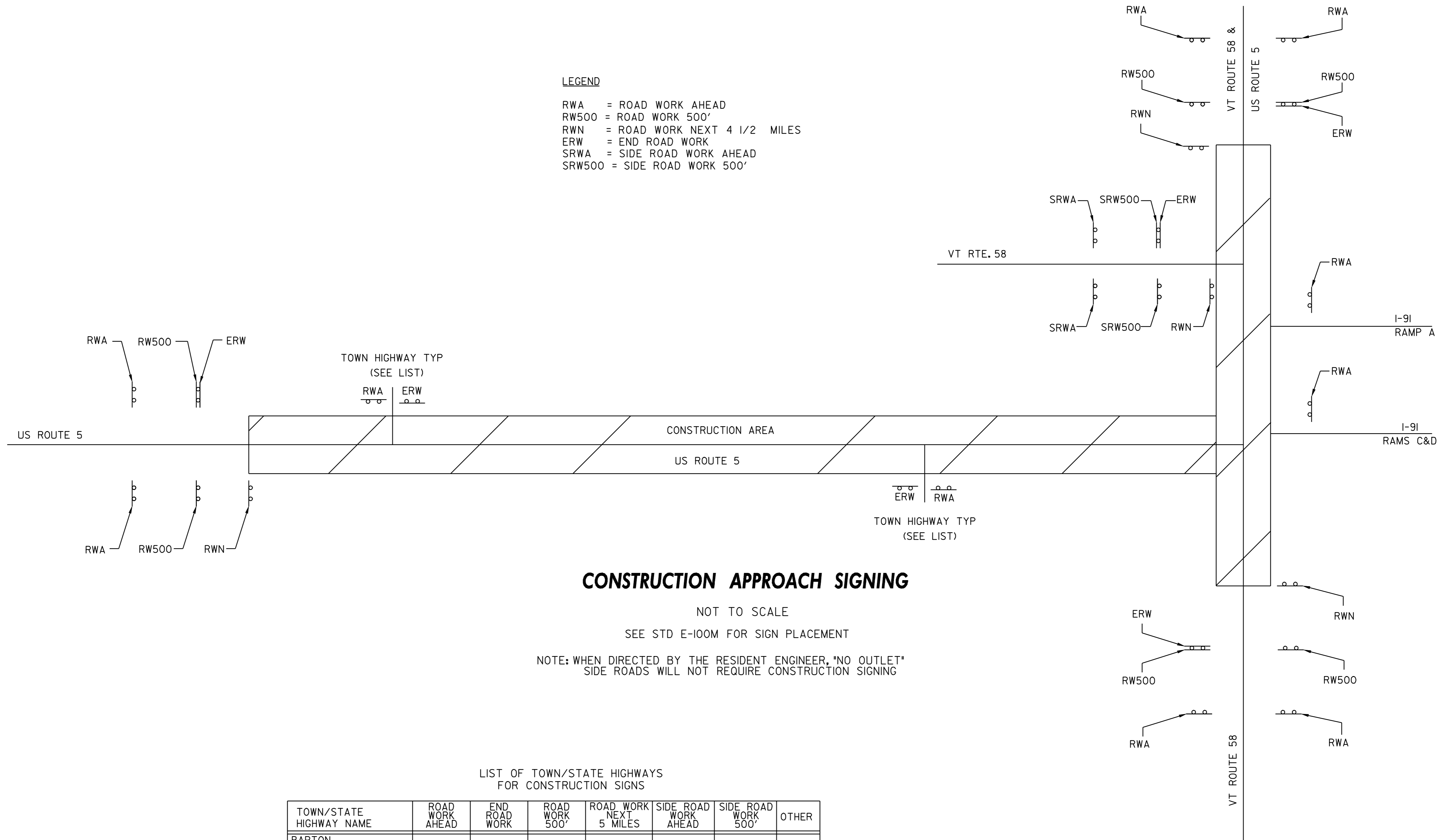
NOTE: ALL DIMENSIONS IN MILLIMETERS EXCEPT AS INDICATED

DATUM	_____
VERTICAL	_____
HORIZONTAL	_____

TERMINAL CONNECTOR FOR STEEL BEAM G.R. W/STEEL POSTS	PROJECT : <u>BARTON-IRASBURG</u>	PROJECT NO. : <u>STP_2107(I) S</u>
	DESIGN FILE NAME: <u>pave/98c096/pc096.dgn</u>	PLOT DATE: <u>21-MAY-2007 13</u>
	IPARM FILE NAME: <u>pc096q01</u>	SURVEY DATE: <u>N/A</u>
	SURVEYED BY: <u>CLD ENGINEERS INC</u>	DRAWN BY: <u>VAOT</u>
	SQUAD LEADER: <u>WRH</u>	SHEET: <u>48</u> OF <u>49</u>

LEGEND

RWA = ROAD WORK AHEAD
 RW500 = ROAD WORK 500'
 RWN = ROAD WORK NEXT 4 1/2 MILES
 ERW = END ROAD WORK
 SRWA = SIDE ROAD WORK AHEAD
 SRW500 = SIDE ROAD WORK 500'



CONSTRUCTION APPROACH SIGNING

NOT TO SCALE

SEE STD E-100M FOR SIGN PLACEMENT

NOTE: WHEN DIRECTED BY THE RESIDENT ENGINEER, "NO OUTLET" SIDE ROADS WILL NOT REQUIRE CONSTRUCTION SIGNING

LIST OF TOWN/STATE HIGHWAYS FOR CONSTRUCTION SIGNS

TOWN/STATE HIGHWAY NAME	ROAD WORK AHEAD	END ROAD WORK	ROAD WORK 500'	ROAD WORK NEXT 5 MILES	SIDE ROAD WORK AHEAD	SIDE ROAD WORK 500'	OTHER
BARTON							
TH #11	1	1					
TH #34	1	1					
TH #64	1	1					
S.A. #6	1	1					
TH #30	1	1					
TH #65	1	1					
I-91 RAMP A	1						
I-91 RAMP C	1						
I-91 RAMP D	1						
BEGINNING OF PROJECT	2	1	2	1			
END OF PROJECT	2	1	2	1			
VT 58		2			4	4	
TOTAL	13	10	2	2	4	4	

NOTE: ALL DIMENSIONS IN METERS EXCEPT AS INDICATED

CONSTRUCTION APPROACH SIGNING

PROJECT:	BARTON- IRASBURG	PROJECT NO.:	STP 2107(1) S
DESIGN FILE NAME:	pave/98c096/pc096.dgn	PLOT DATE:	21-MAY-2007 13
IPARM FILE NAME:	pc096cas.i	SURVEYED BY:	CLD_ENGINEERS_INC
SURVEYED BY:	CLD_ENGINEERS_INC	SURVEY DATE:	6/99
SQUAD LEADER:	WRH	DRAWN BY:	NLL
		SHEET:	49 OF 49

DATUM	
VERTICAL	
HORIZONTAL	