

FOR INDEX, SEE SHEET 2 OF 43

STATE OF VERMONT AGENCY OF TRANSPORTATION



PROPOSED IMPROVEMENT TOWN OF HARDWICK & GREENSBORO COUNTY OF CALEDONIA AND ORLEANS VT ROUTE 16

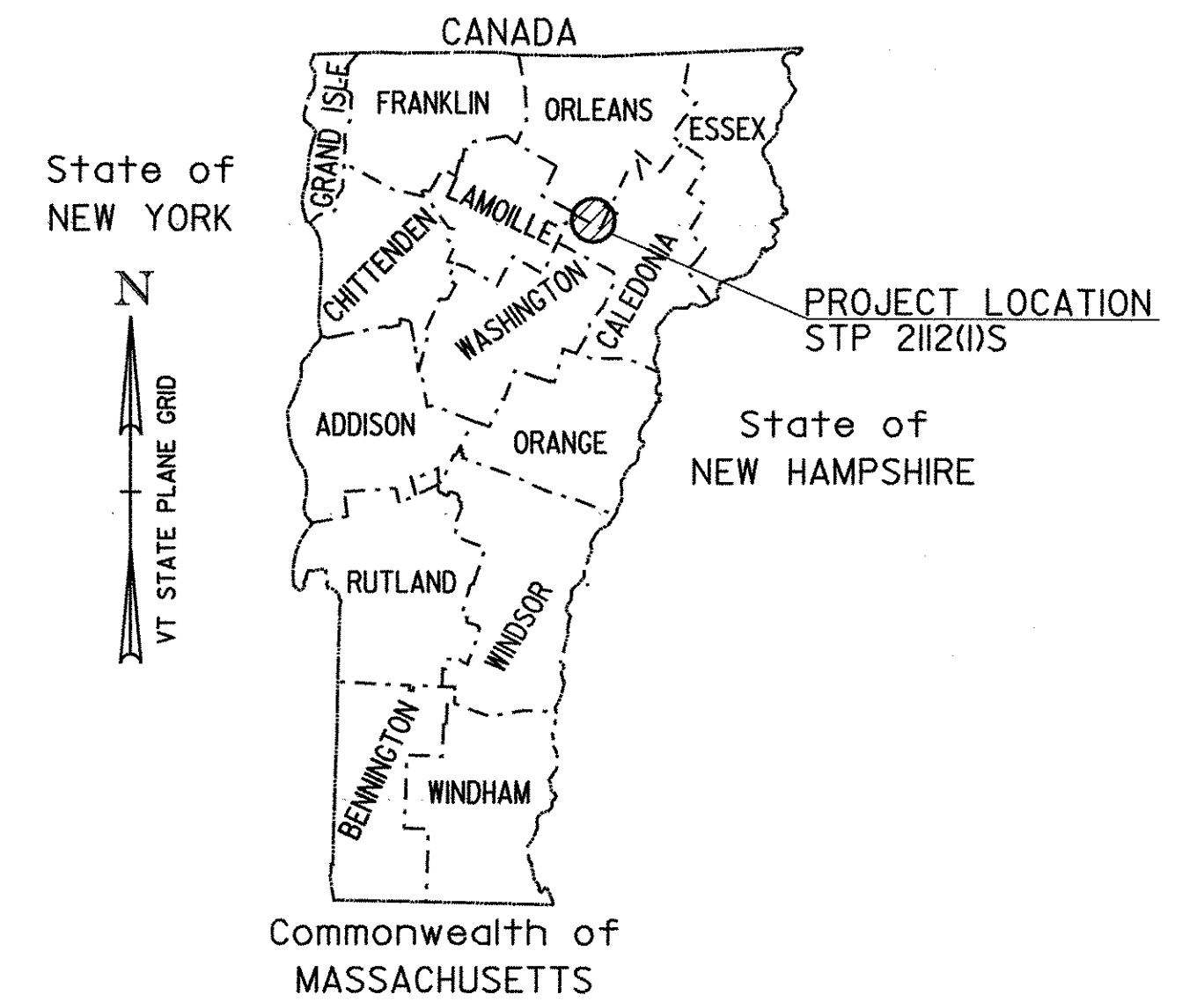
BEGINNING IN HARDWICK ON VT ROUTE 16 AT STATION 2+698.63 (MM 1.677) AND
EXTENDING NORTHERLY ALONG VT ROUTE 16 A DISTANCE OF 11331.79 METERS (7.041 MILES)
TO STATION 6+917.00 (MM 4.298) IN GREENSBORO

PROJECT DATA

FROM IO
STA 2+698.63 (MM 1.677) STA 6+917.00 (MM 4.298)

LENGTH OF ROADWAY = 11 331.79 METERS (7.041 MILES)
LENGTH OF PROJECT = 11 331.79 METERS (7.041 MILES)

WORK TO BE PERFORMED UNDER THIS PROJECT INCLUDES COLD PLANING,
AND RESURFACING OF THE EXISTING HIGHWAY WITH A LEVELING COURSE, WEARING
COURSE, NEW PAVEMENT MARKINGS, GUARDRAIL, SIGNS AND INCIDENTAL ITEMS,
AS SHOWN IN THE PROJECT PLANS



TRAFFIC DATA

	ADT		DHW		ESAL'S (2005-2015)	ESAL'S
	2005	2015	2005	2015		
STA 2+698.63-0+514.0	2200	2600	290	320	826,000	
STA 0+514.0-6+917.0	1700	2000	240	270	836,000	

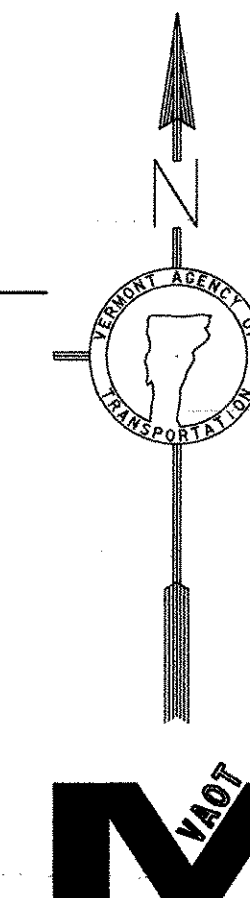
RECORD PLANS

CONTRACTOR: PIKE INDUSTRIES - BERLIN, VT
RESIDENT ENGINEER: K. McClure
CONSTRUCTION BEGAN: May 9, 2005
CONSTRUCTION COMPLETE: July 8, 2005
RECORD PLANS BY: K. 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* Kevin McClure, RESIDENT ENGINEER
DATE 2/9/06

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.



CONVENTIONAL SIGNS

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

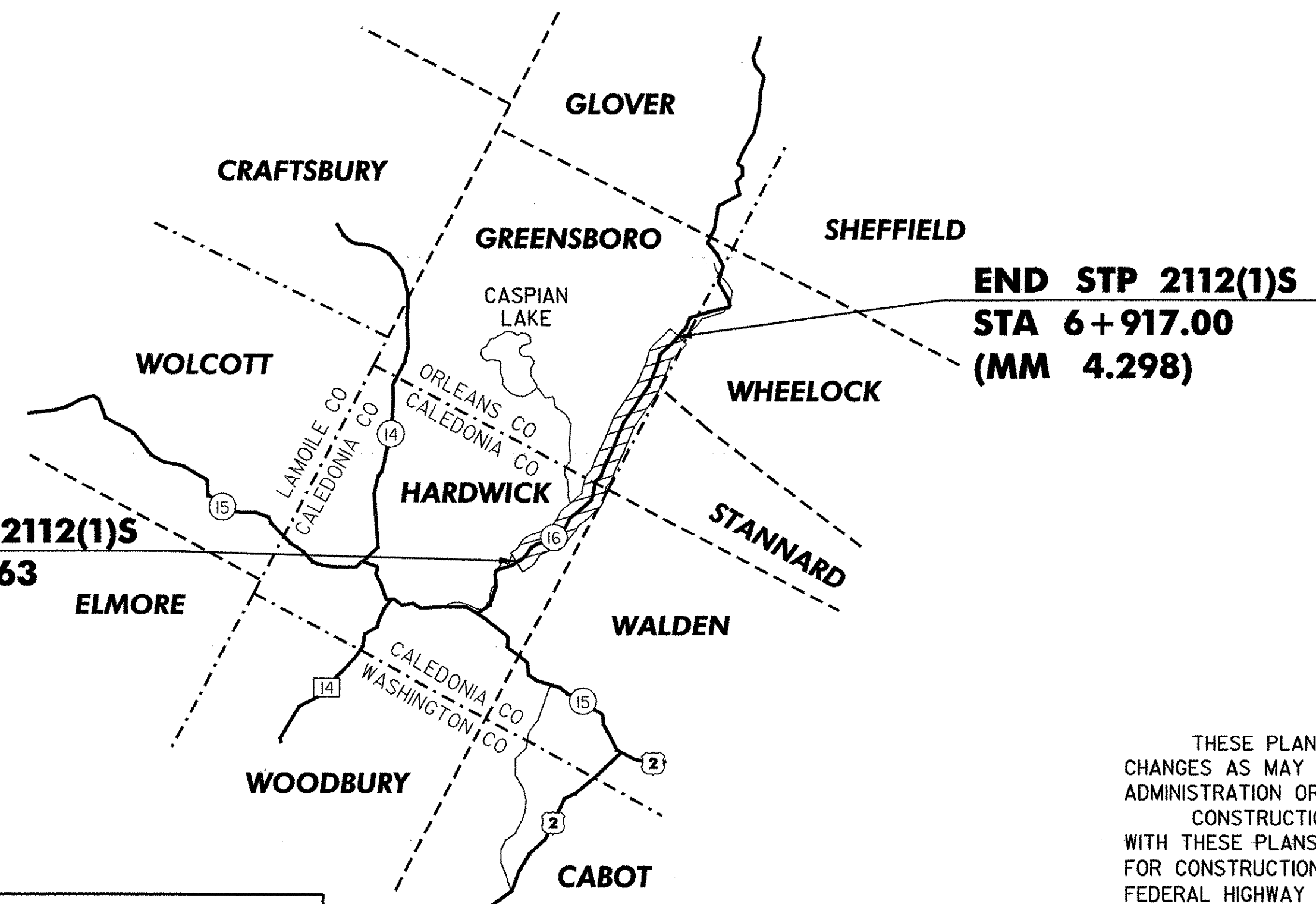
UNLESS OTHERWISE INDICATED, THE DRAWINGS AND
DETAILS OF THESE PLANS ARE NOT TO SCALE.

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:

540 Commercial Street
Manchester, NH 03101
Tel: (603) 668-9223
Fax: (603) 668-9802
email: cld@cldegn.com
Malne New Hampshire Vermont



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.

THESE PLANS ARE SUBJECT TO SUCH ENGINEERING
CHANGES AS MAY BE REQUIRED BY THE FEDERAL HIGHWAY
ADMINISTRATION OR THE DIRECTOR OF PROJECT 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 *Richard Howard* DATE 3-3-05
DIRECTOR OF PROJECT DEVELOPMENT

DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

APPROVED _____ DATE _____
DIVISION ADMINISTRATOR

PROJECT HARDWICK-GREENSBORO
STP 2112(1)S
SHEET 1 OF 43 SHEETS

INDEX OF SHEETS

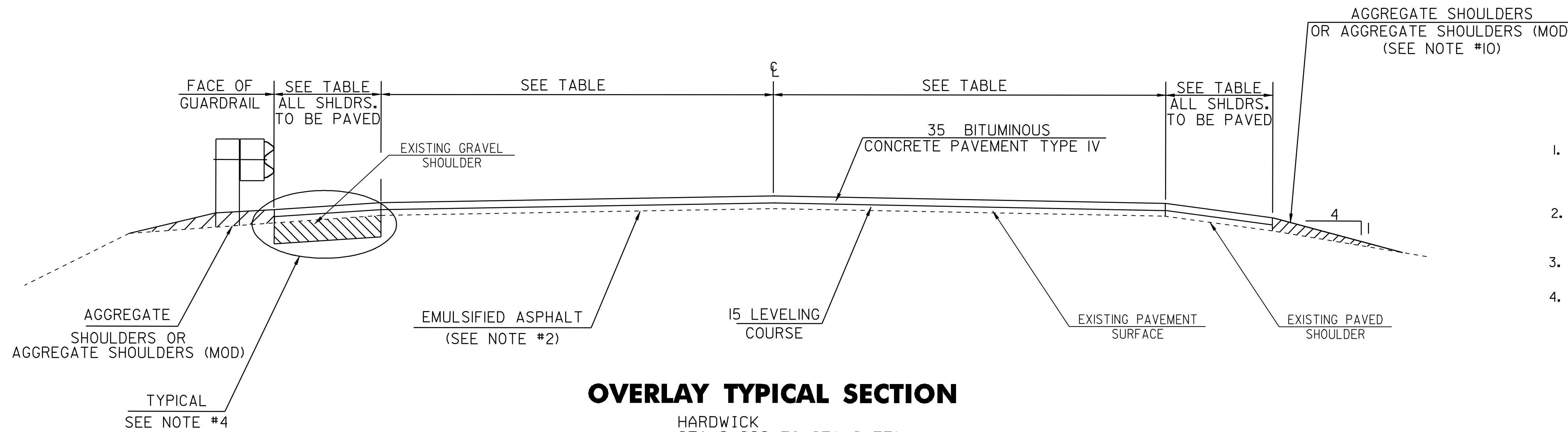
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43	CONSTRUCTION APPROACH SIGNING

STANDARDS

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/ CI GRATE OR COVER, CI GRATE W/ FRAME, TYPES D & E	06/13/97
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 CONSTRUCTION AREAS	06/03/03
E-107A	BREAKAWAY BARRICADE DETAILS	08/08/95
E-108	CONSTRUCTION ZONE LONGITUDINAL DROP-OFFS	08/18/95
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-142	REGULATORY SIGN DETAILS	09/20/95
E-143	REGULATORY SIGN DETAILS	06/15/04
E-160	FLANGED CHANNEL STEEL SIGN POST DETAIL	06/13/97
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-17AM	MODIFIED ECCENTRIC LOADER TERMINAL	09/27/02
G-17BM	MODIFIED ECCENTRIC LOADER TERMINAL	09/27/02
G-19M	GENERIC GRADING PLANS 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	N/A
HORIZONTAL	N/A

INDEX OF SHEETS	PROJECT:	HARDWICK-GREENSBORO	PROJECT NO.:	STP 2112(1) S
	DESIGN FILE NAME:	pave/98bl06/pbl06.dgn		
	IPARM FILE NAME:	pbl06in01.i	PLOT DATE:	10-JUL-2006 13:49
	SURVEYED BY:	CLD ENGINEERS, INC.	SURVEY DATE:	6/99
	SQUAD LEADER:	MW	DRAWN BY:	JLR
			SHEET:	2 OF 43



OVERLAY TYPICAL SECTION

HARDWICK
 STA 2+699 TO STA 3+751
 STA 3+784 TO STA 5+326
 STA 5+344 TO STA 7+113
 GREENSBORO
 STA 0+000 TO STA 6+917

NOT TO SCALE

ROADWAY WAS BUILT AS DESIGNED

PROJECT PAVING LIMITS

TOWN	BEGIN STATION	END STATION	LANE TYPICAL (m)	WEARING DEPTH (mm)	BINDER DEPTH (mm)	LEVELING DEPTH (mm)	TOTAL LEVELING(T)	NOTES
VT ROUTE 16								
HARDWICK	2+699	3+000	1.1-3.3-3.3-1.1	35		15	95	LEVEL - OVERLAY
	3+000	3+500	1.0-3.3-3.3-1.0	35		15	155	LEVEL - OVERLAY
	3+500	3+751	1.3-3.3-3.3-1.3	35		15	85	LEVEL - OVERLAY
	3+751	3+784						BRIDGE #2 - DO NOT TREAT
	3+784	4+000	1.3-3.3-3.3-1.3	35		15	72	LEVEL - OVERLAY
	4+000	5+326	1.0-3.3-3.3-1.0	35		15	410	LEVEL - OVERLAY
	5+326	5+344	1.3-3.3-3.3-1.3	25		15	3	COLD PLANE 25, & PAVE - BRIDGE #3
	5+344	7+113	1.0-3.3-3.3-1.0	35		15	548	LEVEL - OVERLAY
GREENSBORO	0+000	6+917	1.0-3.3-3.3-1.0	35		15	2142	LEVEL - OVERLAY

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 19-19-19 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 SHALL BE TYPE IV, THE LEVELING COURSE SHALL BE TYPE IV, ITEM 406.27, AS SHOWN ON THE TYPICALS, UNLESS DIRECTED BY THE RESIDENT ENGINEER. ALL LIQUID ASPHALT USED IN MEDIUM DUTY 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 ENGINEER. EXCAVATED MATERIAL SHALL BE SPREAD ON THE ADJACENT SLOPES OR REMOVED FROM THE PROJECT, AS DIRECTED BY THE RESIDENT ENGINEER.

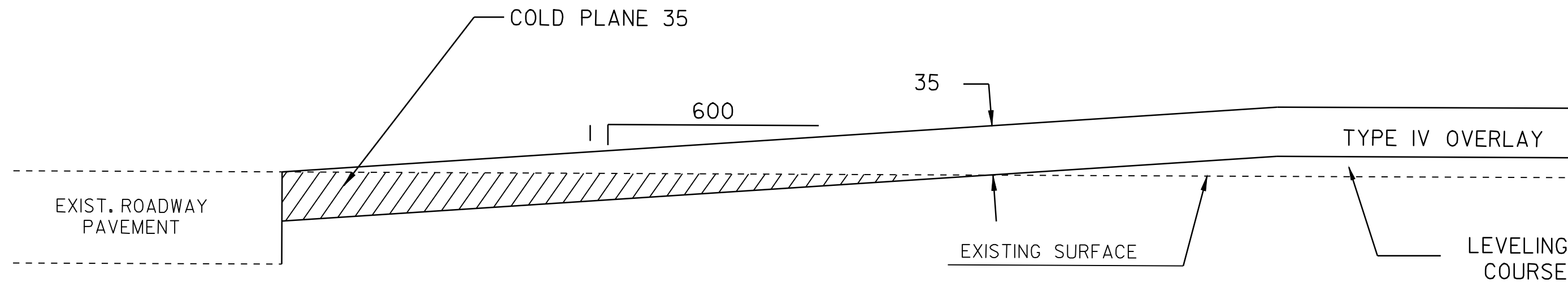
THIS WORK WILL BE PAID FOR USING THE APPROPRIATE RENTAL ITEMS. THE METHOD OF REMOVAL AND THE USE OF RENTAL ITEMS SHALL BE APPROVED BY THE ENGINEER PRIOR TO ANY WORK BEING DONE.

MATERIAL REMOVED SHALL BE REPLACED WITH SUBBASE OF CRUSHED GRAVEL (FINE GRADED), OR AGGREGATE SHOULDERS (MOD.).
- 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. PAVER SHALL FEATHER APRON OVER EXISTING SURFACE.
- ONE METER OF BACKING IS REQUIRED BEHIND THE FACE OF GUARDRAIL WITH 1.8m POSTS, IF THIS CAN NOT BE OBTAINED, 2.4m POSTS SHALL BE USED.
- MARKER POSTS SHALL BE PLACED AS INDICATED OR AS DIRECTED BY THE RESIDENT ENGINEER. ALL 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.
- AGGREGATE SHOULDERS AND AGGREGATE SHOULDERS (MOD) SHALL BE USED TO BACK UP THE EDGE OF PAVEMENT.
- 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 402.12 AGGREGATE SHOULDERS (MOD.). ADDITIONAL MATERIAL REQUIRED AFTER THE COLD PLANE GRINDINGS ARE USED WILL BE PAID FOR UNDER ITEM 402.12, AGGREGATE SHOULDERS.
- 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 406.27 MEDIUM DUTY BITUMINOUS CONCRETE PAVEMENT PG 58-34.
- 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 406.27 MEDIUM DUTY BITUMINOUS CONCRETE PAVEMENT PG 58-34.
- COMPACTION, GRADING, AND CLEAN UP OF ITEM 301.28, SUBBASE OF CRUSHED GRAVEL, ITEM 402.12, AGGREGATE SHOULDER MATERIAL, AND ITEM 651.35, TOPSOIL, IS TO BE INCLUDED IN THE CONTRACT UNIT PRICE OF EACH ITEM.
- COLD-PLANE GRINDINGS TO REMAIN THE PROPERTY OF THE STATE OF VERMONT, AND TO BE USED ON THE PROJECT FOR SHOULDER BACKING, PAYABLE UNDER ITEM 402.12 AGGREGATE SHOULDER MATERIAL (MOD).
- ITEMS 604.40 & 604.41 ARE ESTIMATED QUANTITIES AND SHALL BE PERFORMED AT LOCATIONS INDICATED ON THE LAYOUT SHEETS AND AS DIRECTED BY THE RESIDENT ENGINEER. ALL D.I.'S SHALL BE RAISED OR REHABILITATED SUCH THAT THE NEW GRATE ELEVATION IS LEVEL WITH THE SURROUNDING TERRAIN.
- AREAS ADJACENT TO THE SHOULDER, AND BEYOND WHERE EXISTING GUARD RAIL IS BEING RETAINED THAT HAVE BUILT UP EXCESS MATERIAL ARE TO BE GRADED IN ORDER TO ALLOW THE SHOULDER TO DRAIN. PAYMENT IS UNDER ITEM 203.99, SHOULDER BERM REMOVAL. EXCESS MATERIAL IN NON-GUARD RAIL AREAS WILL BE REMOVED BY USING THE APPROPRIATE RENTAL ITEM.

NOTE: ALL DIMENSIONS IN MILLIMETERS EXCEPT AS INDICATED

DATUM	
VERTICAL	N/A
HORIZONTAL	N/A

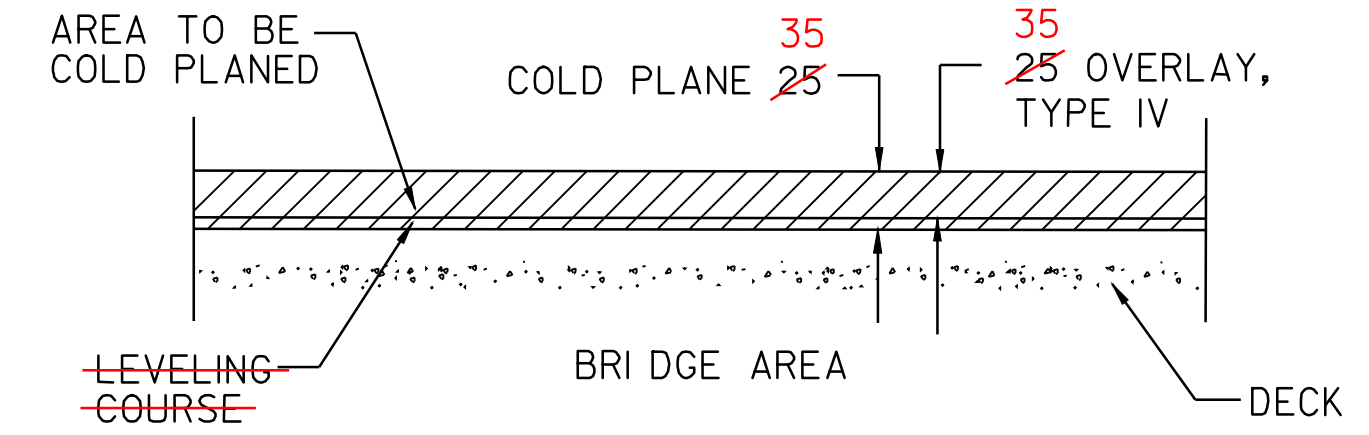
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	IPARM FILE NAME: pbl06ty01.l	PLOT DATE: 10-JUL-2006 13:49
	SURVEYED BY: CLD ENGINEERS, INC.	SURVEY DATE: 6/99
	SQUAD LEADER: WRH	DRAWN BY: JPC
		SHEET: 3 OF 43



APPROACH AREA DETAIL

LOCATION

HARDWICK
 STA 2+699 - BEGIN OVERLAY
 STA 3+751 - STOP OVERLAY
 STA 3+784 - RESUME OVERLAY
 GREENSBORO
 STA 6+917 - END OVERLAY
 6+933

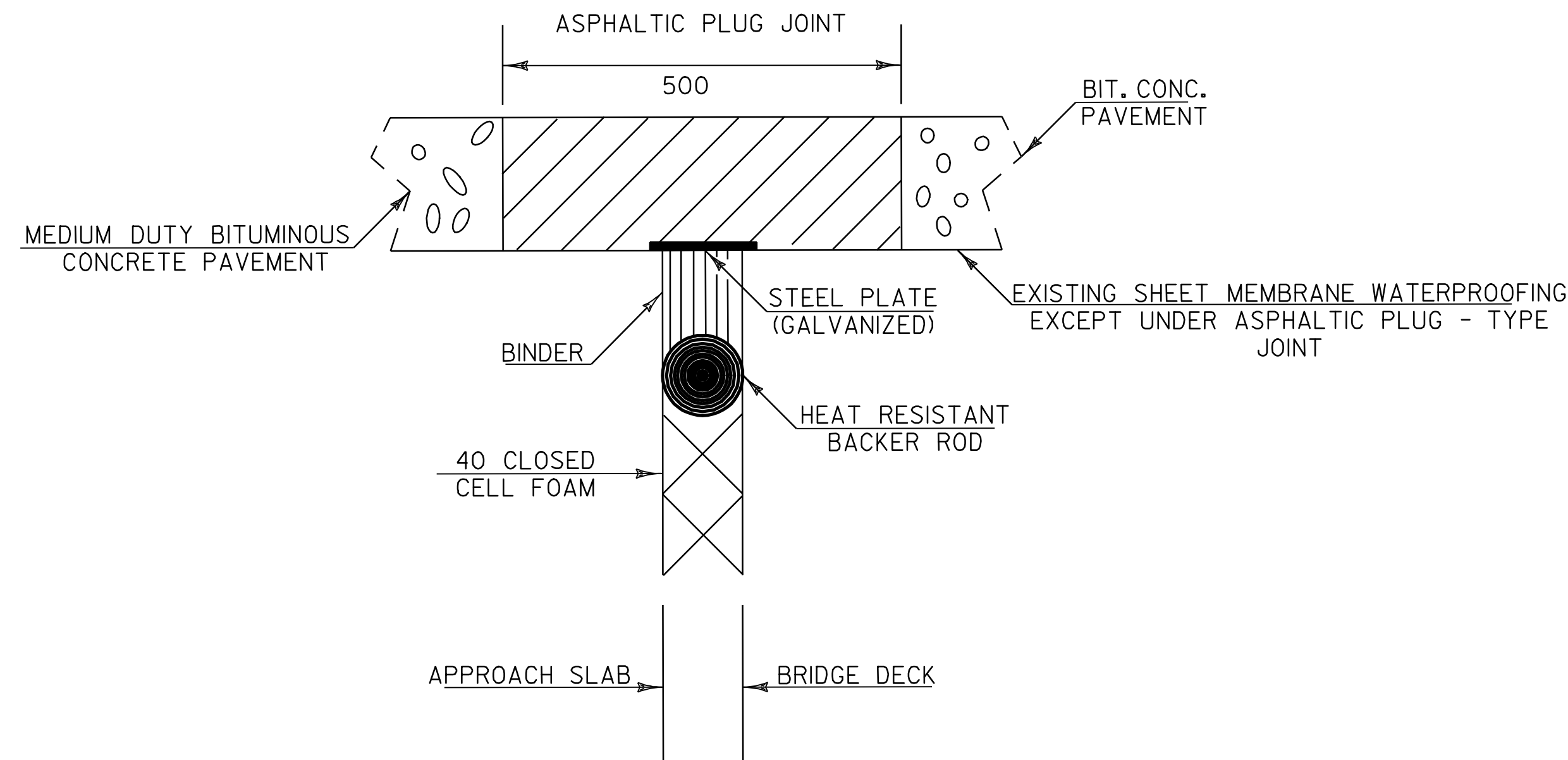


BRIDGE COLD PLANE DETAIL

LOCATION

HARDWICK
 BRIDGE #3: STA 5+326 TO STA 5+344

* REFER TO SPECIAL PROVISIONS FOR BASIS OF PAYMENT

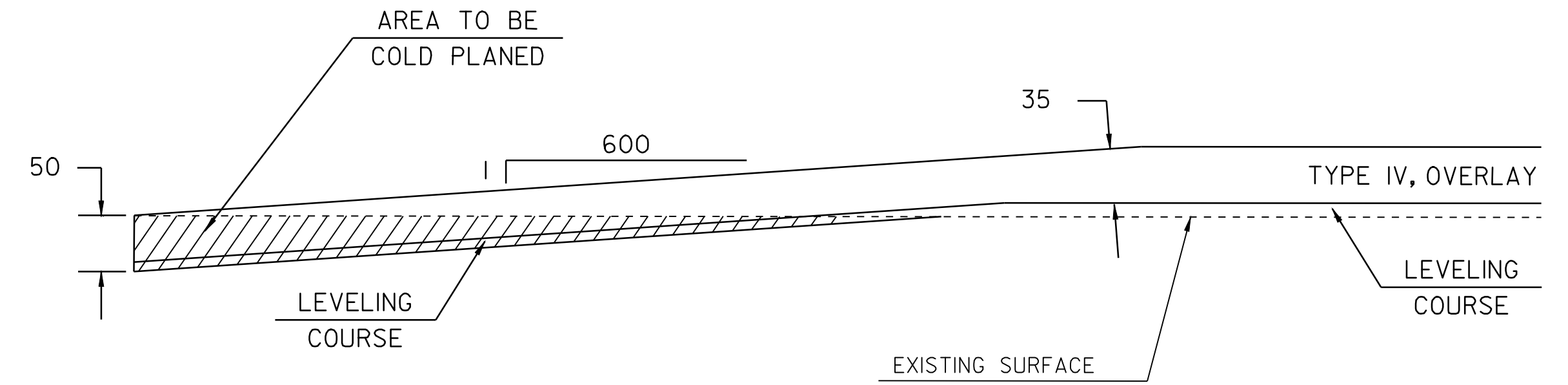


ASPHALTIC PLUG-TYPE JOINT DETAIL

LOCATION

BRIDGE #3 (9.1M) @ STA 5+333.70 (MM 3.314) (@ EXPANSION JOINT)

NO ASPHALTIC PLUG JOINT INSTALLED AT BRIDGE #3.



TRANSITION AREA DETAIL

LOCATION

HARDWICK
 STA 5+326 - STOP OVERLAY, BEGIN COLD PLANE
 STA 5+344 - END COLD PLANE, RESUME OVERLAY

NOTE: ALL DIMENSIONS IN METERS EXCEPT AS INDICATED

**PROJECT
 TYPICAL
 SHEET #2**

PROJECT:	HARDWICK-GREENSBORO	PROJECT NO.:	STP 2112(1)S
DESIGN FILE NAME:	pave/98bl06/pbl06.dgn	PLOT DATE:	10-JUL-2006 13:45
IPARM FILE NAME:	pbl06+y02.i	SURVEY DATE:	6/99
SURVEYED BY:	CLD ENGINEERS, INC.	DRAWN BY:	JPC
SQUAD LEADER:	WRH	SHEET:	4 OF 43

DATUM	
VERTICAL	N/A
HORIZONTAL	N/A

NOT TO SCALE

FACTORED LENGTHS

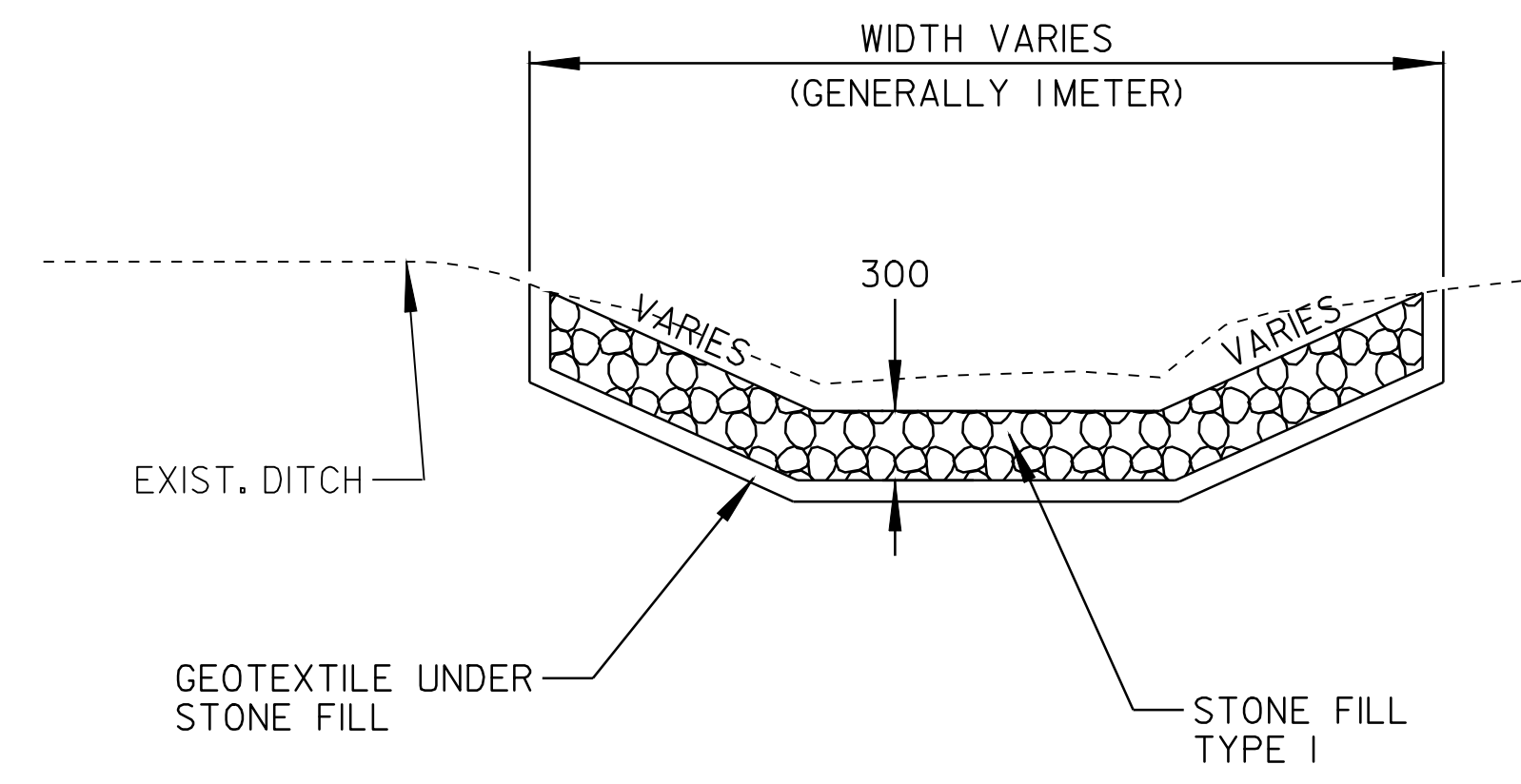


LOCATION			CURBED SIDEWALKS					DROP INLETS				GUARDRAIL							MISC.			REMARKS		
STATION	STATION	POS.	203.15	203.16	301.28	616.21	618.10	604.40	604.412	604.415	604.418	616.35	621.20	621.20	621.21	621.505	621.60	621.505	621.80	621.81	601.0005		617.10	617.12
			COMM. EXCAV.	SOLID ROCK EXCAV.	SUBBASE OF CR. GRAV. (FINE)	VERTICAL GRANITE CURB	PORT. CEM. CONC. SDWK. 125 mm	CHANGE ELEV. D.I.	REHAB. D.I. CLASS I	REHAB. D.I. CLASS II	REHAB. D.I. CLASS III	TIMBER CURB	STEEL BEAM G.R.	S.B. G.R. (2.4 m POST) (MOD)	H.D. BEAM G.R.	M.T.S. (FLARED)	ANCHOR FOR G.R.	M.T.S. TANGENT	REMOVE & DISP. G.R.	REMOVE & DISP. G.P.	300mm CSP 1.63 mm (68 x 12mm)	RELOCATE MAILBOX, SINGLE SUPPORT	RELOCATE MAILBOX, MULTIPLE SUPPORT	
HARDWICK			m3	m3	+	m	m2	EA	EA	EA	EA	m	m	m	m	EA	EA		m	EA	m	EA	EA	FOR LOCATIONS SEE LAYOUT SHEETS. ESTIMATED QUANTITY TO BE USED AS DIRECTED BY THE RESIDENT ENGINEER.
2+699	12+239				782 84.40																			
3+486	3+752 3+764.12	LT																						ANCHOR @ STA 3+486, INSTALL 1-5m RADIUS PANEL, APPROACH RAIL SCHEDULE I @ STA 3+744 TO 3+752 3+752.7 3+764.12
3+724	3+753 3+762.1	RT																						MELT @ 3+724, CORRUGATED STEEL PIPE 3+707 TO 3+722- APPROACH RAIL SCHEDULE I @ 3+743 TO 3+753 3+750.67 TO 3+762.1
3+783	3+808 3+815.44	RT																						APPROACH RAIL SCHEDULE II 3+783 TO 3+791, TREATED TIMBER CURB 3+783 TO 3+791, MELT @ 3+797- 3+792.58 TO 3+804.01 3+804.01- 3+815.44
3+784	3+803 3+794.6	LT																						APPROACH RAIL SCHEDULE I @ STA 3+784 TO 3+792, MELT @ 3+803- 3+806.03 ~ 3+817.46 3+794.6 TO 3+806.03
4+650	4+885 4+890.03	RT																						MTS @ 4+650 & 4+873-6 4+650 ~ 4+661.43 & 4+878.6 ~ 4+890.03
5+200	5+211.43	RT																						REMOVE EXISTING BCT--MTS @ 5+200--RETAIN STEEL BEAM GUARDRAIL
5+295	5+306.43	LT																						REMOVE EXISTING BCT--MTS @ 5+295--RETAIN STEEL BEAM GUARDRAIL
5+353.6	5+365.03	RT																						REMOVE EXISTING BCT--MTS @ 5+365--RETAIN STEEL BEAM GUARDRAIL
5+378.6	5+390.03	LT																						REMOVE EXISTING BCT--MTS @ 5+390--RETAIN STEEL BEAM GUARDRAIL 5+378.6
5+716	5+935	RT																						MTS @ 5+716-0 & 5+935-0 5+696.95 - 5+708.38 & 5+914.12 - 5+925.55
5+696.95	5+925.55																							
5+834		RT																						
6+043	6+179 6+180.16	RT																						MTS @ 6+043 & 6+179 6+043 ~ 6+054.43 & 6+168.73 ~ 6+180.16
6+230	6+304 6+310.01	RT																						MTS @ 6+230 & 6+304 6+230 ~ 6+241.43 & 6+298.58 ~ 6+310.01
6+340		RT																						
6+340	6+577 6+583.84	RT																						MTS @ 6+340 & 6+577 6+340 ~ 6+351.43 & 6+572.41 ~ 6+583.84
6+445		RT																						
GREENSBORO																								
0+045		LT																						
2+570	2+518.4 2+581.43	RT																						REMOVE EXISTING BCT--NEW MTS @ 2+570--RETAIN STEEL BEAM GUARDRAIL
2+705.6	2+717 2+705 2+716.43	RT																						REMOVE EXISTING BCT--NEW MTS @ 2+705.6--RETAIN STEEL BEAM GUARDRAIL
2+914		RT																						
3+750	3+761.43	RT																						REMOVE EXISTING BCT--NEW MTS @ 3+750.0--RETAIN STEEL BEAM GUARDRAIL
3+870	3+881.4	LT																						REMOVE EXISTING BCT--NEW MTS @ 3+870.0--RETAIN STEEL BEAM GUARDRAIL 3+869.57
3+869.57																								
3+933.6	3+945	RT																						REMOVE EXISTING BCT--NEW MTS @ 3+933.6--RETAIN STEEL BEAM GUARDRAIL .57
3+968.6	3+980	LT																						REMOVE EXISTING BCT--NEW MTS @ 3+968.6--RETAIN STEEL BEAM GUARDRAIL .57
5+851	5+889.1	LT																						ANCHOR @ 5+851.0--NEW MTS @ 5+877.6--RETAIN STEEL BEAM GUARDRAIL-- NEW MTS 5+851 .57
6+479	6+490.4	RT																						REMOVE EXISTING BCT--NEW MTS @ 6+479.0--RETAIN STEEL BEAM GUARDRAIL 6+478.57
6+478.57																								
6+482	6+493	LT																						REMOVE EXISTING BCT--NEW MTS @ 6+482.0--RETAIN STEEL BEAM GUARDRAIL 6+481.57
6+481.57																								
6+512	6+523	LT																						REMOVE EXISTING BCT--NEW MTS @ 6+512.0--RETAIN STEEL BEAM GUARDRAIL 6+511.57
6+511.57																								
6+548.57	6+566	RT																						REMOVE EXISTING BCT--NEW MTS @ 6+548.6--RETAIN STEEL BEAM GUARDRAIL .57
3+081	3+092.43	RT																						REMOVED EXISTING BCT - NEW MTS 3+081- 3+092.43
3+170.57	3+182	RT																						REMOVED EXISTING BCT - NEW MTS 3+170.57 - 3+182
3+143	3+154.93	LT																						REMOVED EXISTING BCT - NEW MTS 3+143 - 3+154.93
3+203.57	3+215	LT																						REMOVED EXISTING BCT - NEW MTS 3+203.57 - 3+215
HARDWICK																								
4+650		RT																						
5+784.58		RT																						
5+784.78		RT																						
6+431.44		RT																						
SHEET TOTALS					1976				1720			8	1077	40	28	2		1399			30	3	2	
ROUNDING					25				0			0	1082.04	57.9	33	0		1474.47			0	4	0	
PROJECT TOTALS					2000				1720			8	1080	40	28	2		1400			30	3	2	
					131.9							0	1082.04	57.9	33	0		1474.47			0	4	0	

**ITEM
DETAIL
SHEET**

PROJECT :	HARDWICK-GREENSBORO	PROJECT NO. :	STP 2112(1)S
DESIGN FILE NAME:	pave/98b106/pbl06.dgn	PLOT DATE:	10-JUL-2006 13:49
IPARM FILE NAME:	pbl061.d	SURVEY DATE:	6/99
SURVEYED BY:	CLD ENGINEERS, INC.	DRAWN BY:	JPC
SQUAD LEADER:	WRH	SHEET:	8 OF 43

LOCATION				METERS OF DITCHING			MISC. ITEMS			REMARKS	LOCATION				METERS OF DITCHING			MISC. ITEMS			REMARKS
SITE	STATION	STATION	POS.	PERCENT GRADE			654.10	613.10	649.31		SITE	STATION	STATION	POS.	PERCENT GRADE			654.10	613.10	649.31	
				0-1	1-2.5	2.5-10	EROS. MATT.	STONE FILL TYP. 1	GEOT. UNDER STONE FILL						0-1	1-2.5	2.5-10	EROS. MATT.	STONE FILL TYP. 1	GEOT. UNDER STONE FILL	
VT ROUTE 16, HARDWICK DISTRICT #7				m	m	m	m2	m3	m2												
	2+699	7+113																			
							10	33	PER VAOT COMMENTS												
1	2+720	3+476	RT	756																	
2	3+911	4+521	LT	610																	
3	4+716	5+310	LT	594																	
4	5+617	7+113	LT	1496																	
	SUBTOTAL			3456			10	33													
VT ROUTE 16, GREENSBORO DISTRICT #9																					
	0+000	6+917					15	50	PER VAOT COMMENTS												
5	0+000	3+121	LT	3121																	
6	3+154	3+316	RT	162																	
7	3+541	3+846	LT	305																	
8	4+250	6+871	LT	2621																	
	SUBTOTAL			6209			15	50													
PROJECT SUBTOTALS				9665			25	83													
ROUNDING				105			0	2													
PROJECT TOTALS				9770			25	85													



DITCH DETAIL

NOT TO SCALE

NOTES:

PIPE INLET AND OUTLET AREAS, AND DITCH CLEANING THROUGH PROJECT, SHALL BE PERFORMED AT LOCATIONS AND AS DIRECTED BY THE RESIDENT ENGINEER. PAYMENT WILL BE UNDER THE APPLICABLE EQUIPMENT RENTAL ITEM(S).

AN ESTIMATED QUANTITY OF EROSION MATTING AND STONE FILL TYPE I HAS BEEN INCLUDED. EROSION MATTING SHALL BE USED IN ALL DITCHES WITH A GRADE BETWEEN 2 AND 5 PERCENT AND STONE FILL TYPE I SHALL BE USED IN ALL DITCHES WITH A GRADE GREATER THAN 5 PERCENT OR AS DIRECTED BY THE RESIDENT ENGINEER.



DITCH CLEANING DETAIL SHEET

PROJECT :	HARDWICK-GREENSBORO	PROJECT NO. :	STP 2112(1)S
DESIGN FILE NAME:	pave/98b106/pb106.dgn	PLOT DATE:	10-JUL-2006 13:44
IPARM FILE NAME:	pb106.dtl	SURVEY DATE:	6/99
SURVEYED BY:	CLD ENGINEERS INC	DRAWN BY:	NL
SQUAD LEADER:	WRH	SHEET:	9 OF 43

TEMPORARY AND DURABLE 100 mm YELLOW LINE

STA 2+699 TO 2+708 SOLID LT & RT
 STA 2+714 DOUBLE SOLID LT (S.A. 6)
 STA 2+714 DOUBLE SOLID RT (TH #32)
 STA 2+720 TO 2+950 SOLID LT & RT

TEMPORARY AND DURABLE 100 mm WHITE LINE

STA 2+699 TO 2+714 SOLID LT & RT
 STA 2+720 TO 2+950 SOLID LT & RT

TEMPORARY AND DURABLE 600 mm STOP BAR

STA 2+714 LT (S.A. 6)
 STA 2+714 RT (TH #32)

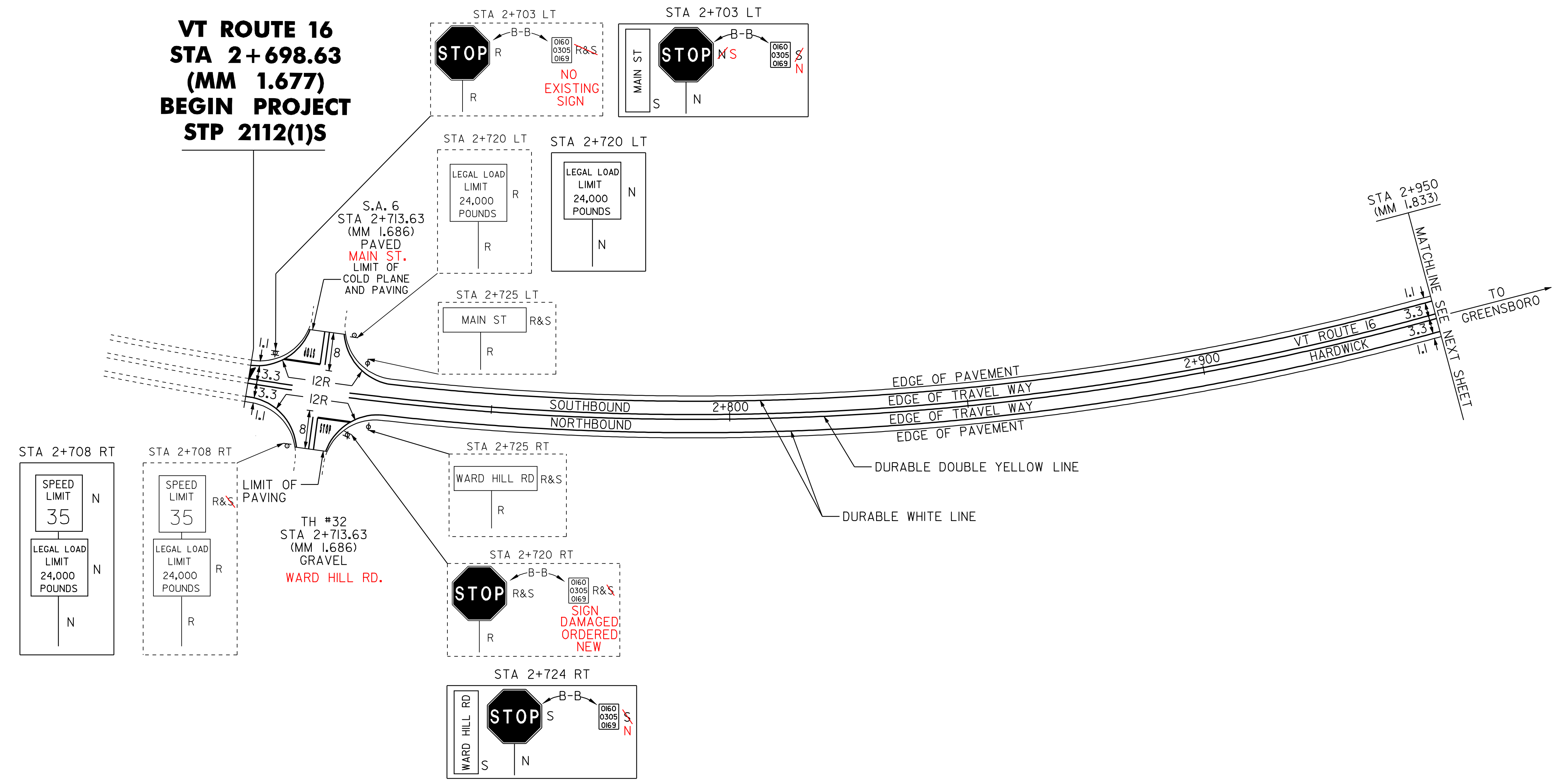
TEMPORARY AND DURABLE LETTER OR SYMBOL

STA 2+714 LT - "STOP" (S.A. 6)
 STA 2+714 RT - "STOP" (TH #32)

REMOVING SIGNS
 AS SHOWN - 9.8

ERECTING SALVAGED SIGNS
 AS SHOWN - 5.4

**VT ROUTE 16
 STA 2+698.63
 (MM 1.677)
 BEGIN PROJECT
 STP 2112(1)S**



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 #1	PROJECT: HARDWICK-GREENSBORO	PROJECT NO.: STP 2112(1)S
	DESIGN FILE NAME: pave/98bl06/pbl06.dgn	PLOT DATE: 10-JUL-2006 13:50
	IPARM FILE NAME: pbl06la01	SURVEY DATE: 6/99
	SURVEYED BY: CLD ENGINEERS, INC.	DRAWN BY: JPC
	SQUAD LEADER: WRH	SHEET: 10 OF 43

TEMPORARY AND DURABLE 100 mm YELLOW LINE

STA 2+950	TO	3+235	SOLID LT & RT
STA 3+340	TO	3+465	SOLID LT & RT
STA 3+525	TO	3+550	SOLID LT & RT

STEEL BEAM GUARDRAIL

STA 3+525 ~ 3+550	LT
3+501.24	

REHAB OF DI, CB OR MH CLASS I

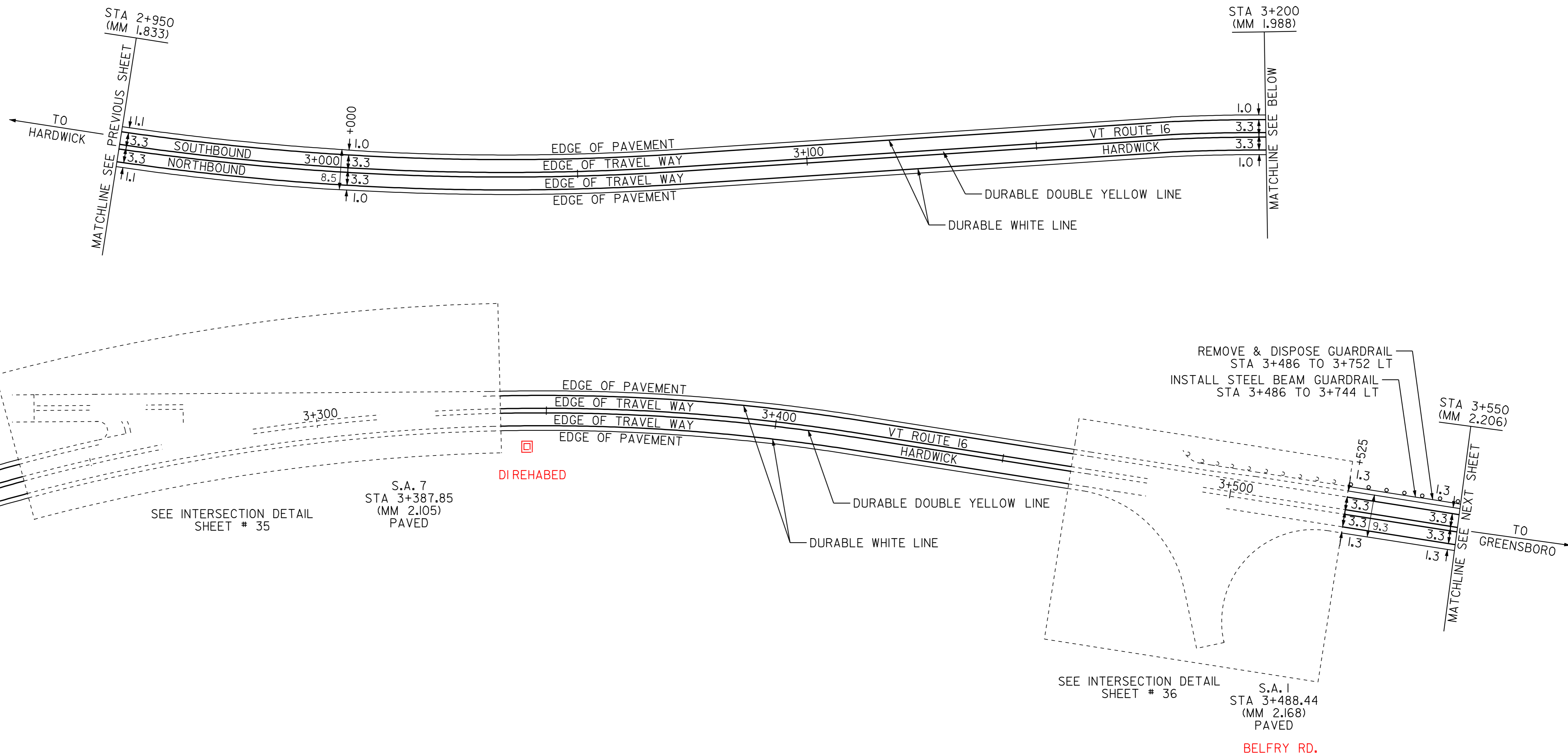
3+345	RT
3+480	RT

TEMPORARY AND DURABLE 100 mm WHITE LINE

STA 2+950	TO	3+235	SOLID LT & RT
STA 3+340	TO	3+465	SOLID LT & RT
STA 3+525	TO	3+550	SOLID LT & RT

REMOVAL & DISP. OF GUARDRAIL

STA 3+525 ~ 3+550	LT
3+486	



PAVEMENT CORES - ⊗

STA	TOTAL DEPTH (MM)	PCC
I STA 2+977 RT	114	NO

DATUM

VERTICAL	N/A
HORIZONTAL	N/A

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

NOTE: ALL DIMENSIONS IN METERS EXCEPT AS INDICATED

PAVING PROJECT LAYOUT #2	PROJECT: HARDWICK-GREENSBORO	PROJECT NO.: STP 2112(1)S
	DESIGN FILE NAME: pave/98bl06/pbl06.dgn	PLOT DATE: 10-JUL-2006 13:50
	IPARM FILE NAME: pbl06la02.1	SURVEY DATE: 6/99
	SURVEYED BY: CLD ENGINEERS, INC.	DRAWN BY: JPC
SQUAD LEADER: WRH	SHEET: 11 OF 43	

NOT TO SCALE

TEMPORARY AND DURABLE 100 mm YELLOW LINE
 STA 3+550 TO 3+850 SOLID LT & RT

TEMPORARY AND DURABLE 100 mm WHITE LINE
 STA 3+550 TO 3+850 SOLID LT & RT

~~STEEL BEAM GUARDRAIL~~
~~STA 3+550 ~ 3+744 LT 3+752.7~~
~~3+735.43 STA 3+724 ~ 3+743 RT 3+750.67~~
~~STA 3+793 ~ 3+797 RT~~

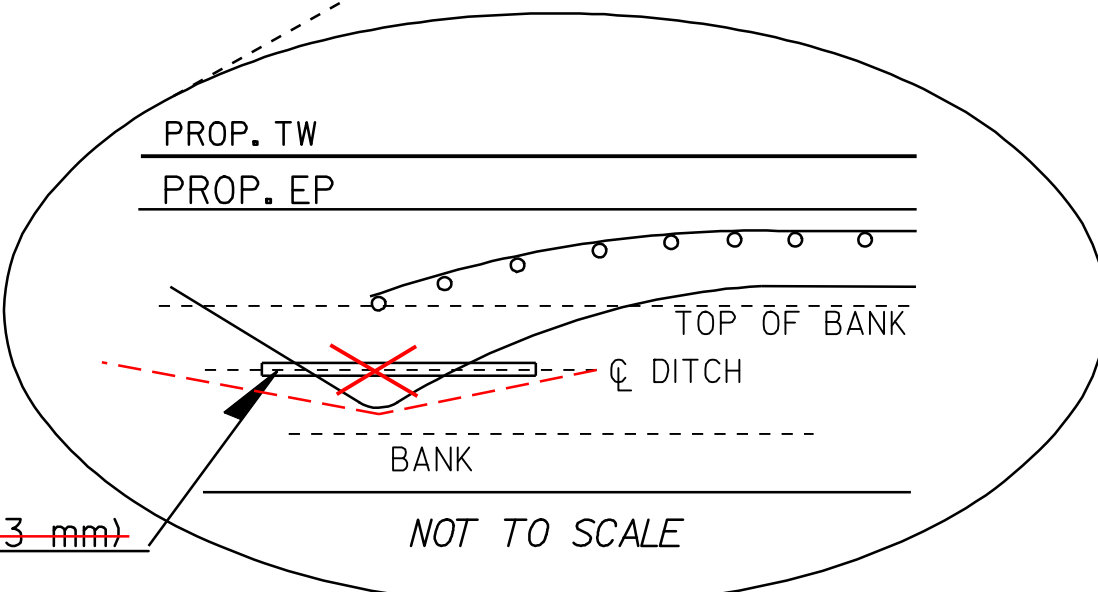
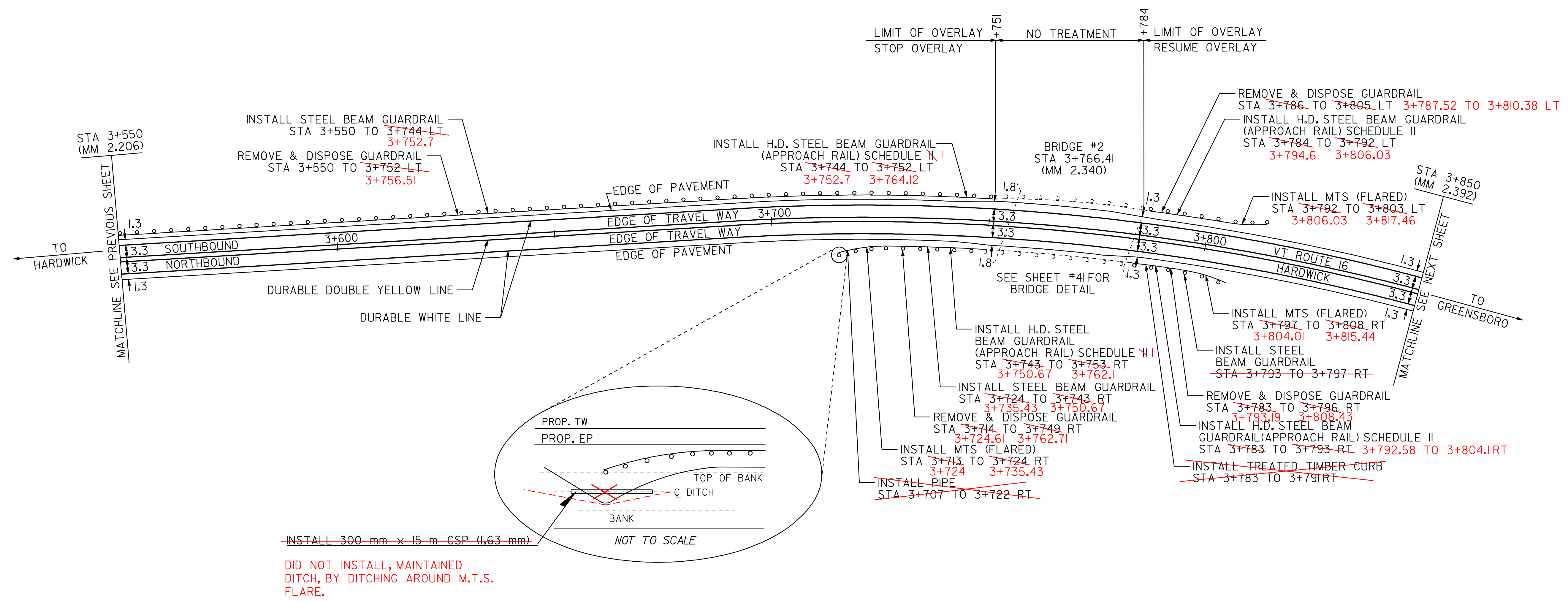
~~HEAVY DUTY STEEL BEAM GUARDRAIL~~
~~3+750.67 STA 3+743 ~ 3+753 RT 3+762.1~~
~~3+752.7 STA 3+744 ~ 3+754 LT 3+764.12~~
~~3+792.58 STA 3+783 ~ 3+793 RT 3+804.01~~
~~STA 3+784 ~ 3+792 LT~~
~~3+794.6 3+806.03~~

~~TREATED TIMBER CURB~~
~~STA 3+783 TO 3+791 RT~~

~~300mm CSP 1.63mm (68mm x 12mm)~~
~~STA 3+707 TO 3+722 RT~~

~~MANUFACTURED TERMINAL SECTION (FLARED)~~
~~STA 3+724 RT 3+724 TO 3+735.43 RT~~
~~STA 3+797 RT 3+804.01 TO 3+815.44 RT~~
~~STA 3+803 LT 3+806.03 TO 3+817.46 LT~~

~~REMOVAL & DISP. OF GUARDRAIL~~
~~STA 3+550 ~ 3+752 LT 3+756.51~~
~~3+724.61 STA 3+714 ~ 3+749 RT 3+762.71~~
~~3+793.19 STA 3+783 ~ 3+796 RT 3+808.43~~
~~3+787.52 STA 3+786 ~ 3+805 LT 3+810.38~~



DID NOT INSTALL, MAINTAINED
 DITCH, BY DITCHING AROUND M.T.S.
 FLARE.

PAVEMENT CORES - ⊗

STA	TOTAL DEPTH (MM)	PCC
2 STA 3+713 LT 140		NO

DATUM
 VERTICAL N/A
 HORIZONTAL N/A

- 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

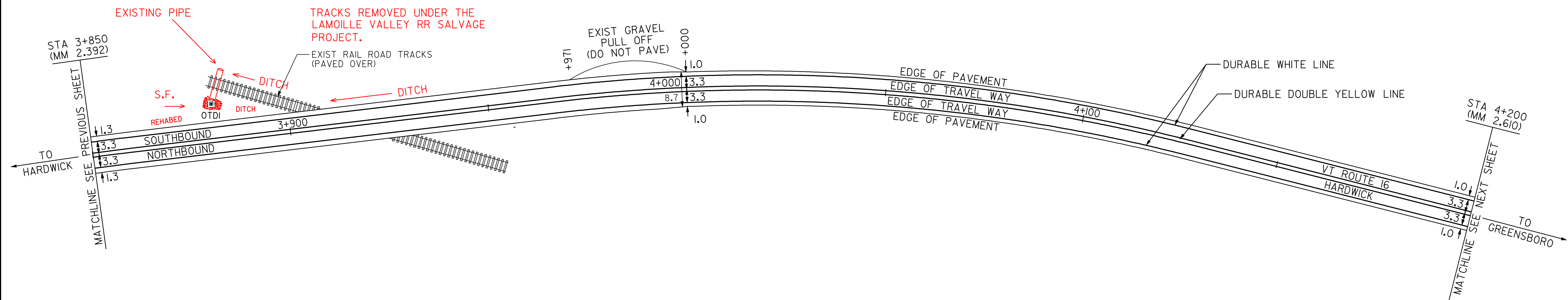
PAVING PROJECT LAYOUT #3	PROJECT: HARDWICK-GREENSBORO	PROJECT NO.: STP 2112(I)S
	DESIGN FILE NAME: pave/98b106/pb106.dgn	PLOT DATE: 10-JUL-2006 13:50
	IPARM FILE NAME: pb1061a03.i	SURVEY DATE: 6/99
	SURVEYED BY: CLD ENGINEERS, INC.	DRAWN BY: JPC
	SQUAD LEADER: WRH	SHEET: 12 OF 43

NOT TO SCALE

TEMPORARY AND DURABLE 100 mm YELLOW LINE
 STA 3+850 TO 4+200 SOLID LT & RT

TEMPORARY AND DURABLE 100 mm WHITE LINE
 STA 3+850 TO 4+200 SOLID LT & RT

~~CHANGING ELEV. OF DI, CB OR MH~~
 REHABILITATION OF DI, CB OR MH, CLASS I
 STA 3+887 LT ✓



LEGEND

- R = REMOVE EXISTING
- S = SALVAGE
- R&S = REMOVE AND SALVAGE
- N = NEW
- RET = RETAIN
- B-B = BACK TO BACK
- NEW RAIL = NEW RAIL
- EXISTING RAIL = EXISTING RAIL
- BORING LOCATION = BORING LOCATION
- S.F. = STONE FILL

NOTE: ALL DIMENSIONS IN METERS EXCEPT AS INDICATED

DATUM	
VERTICAL	N/A
HORIZONTAL	N/A

NOT TO SCALE

PAVING PROJECT LAYOUT #4	PROJECT: HARDWICK-GREENSBORO	PROJECT No.: STP 2112(I)S
	DESIGN FILE NAME: pave/98b106/pbl06.dgn	PLOT DATE: 10-JUL-2006 13:50
	IPARM FILE NAME: pbl061a04.i	SURVEY DATE: 6/99
	SURVEYED BY: CLD ENGINEERS, INC.	DRAWN BY: JPC
	SQUAD LEADER: WRH	SHEET: 13 OF 43

TEMPORARY AND DURABLE 100 mm YELLOW LINE
 STA 4+200 TO 4+900 SOLID LT & RT

TEMPORARY AND DURABLE 100 mm WHITE LINE
 STA 4+200 TO 4+900 SOLID LT & RT

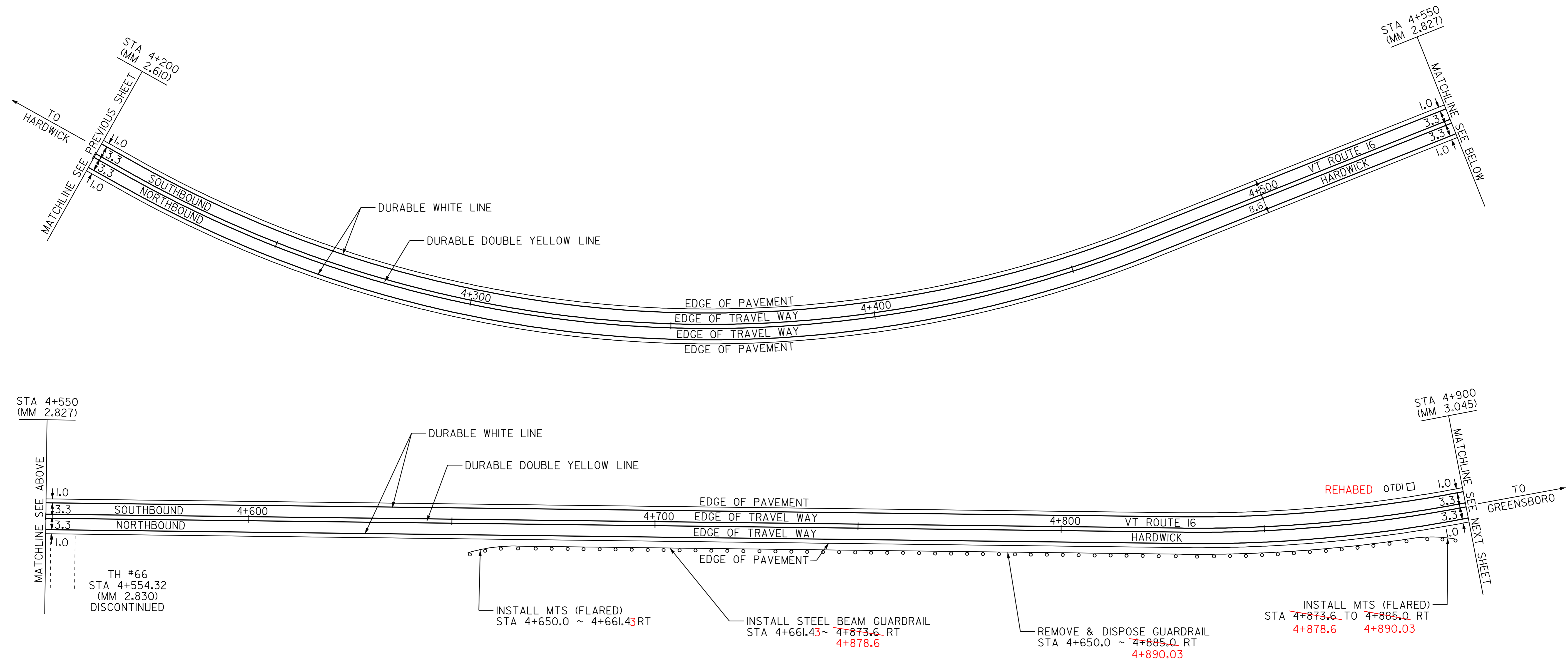
MANUFACTURED TERMINAL SECTION (FLARED)
 STA 4+650.0 RT ~ 4+661.43 RT
 4+878.6 STA 4+873.6 RT ~ 4+885.0 RT 4+890.03

~~CHANGING ELEV. OF DI, CB OR MH~~
 REHABILITATION OF DI, CB OR MH, CLASS I
 STA 4+887 LT ✓

STEEL BEAM GUARDRAIL
 STA 4+661.43 ~ 4+873.6 RT
 4+878.6

RELOCATE MAILBOX SINGLE SUPPORT
 STA 4+650 RT

REMOVAL & DISP. OF GUARDRAIL
 STA 4+650.0 ~ 4+885.0 RT
 4+890.03



STA 4+550 (MM 2.827)
 MATCHLINE SEE ABOVE
 TH #66
 STA 4+554.32 (MM 2.830)
 DISCONTINUED

INSTALL MTS (FLARED)
 STA 4+650.0 ~ 4+661.43 RT

INSTALL STEEL BEAM GUARDRAIL
 STA 4+661.43 ~ 4+873.6 RT
 4+878.6

REMOVE & DISPOSE GUARDRAIL
 STA 4+650.0 ~ 4+885.0 RT
 4+890.03

INSTALL MTS (FLARED)
 STA 4+873.6 TO 4+885.0 RT
 4+878.6 4+890.03

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 #5	PROJECT: HARDWICK-GREENSBORO	PROJECT NO.: STP 2112(IIS)
	DESIGN FILE NAME: pave/98b106/pb106.dgn	PLOT DATE: 10-JUL-2006 13:50
	IPARM FILE NAME: pb1061a05-1	SURVEY DATE: 6/99
	SURVEYED BY: CLD ENGINEERS, INC.	DRAWN BY: JPC
SQUAD LEADER: WRH	SHEET: 14 OF 43	

TEMPORARY AND DURABLE 100 mm YELLOW LINE

STA 4+900 TO 4+958 SOLID LT & RT
 STA 4+970 TO 5+200 SOLID LT & RT

TEMPORARY AND DURABLE 100 mm WHITE LINE

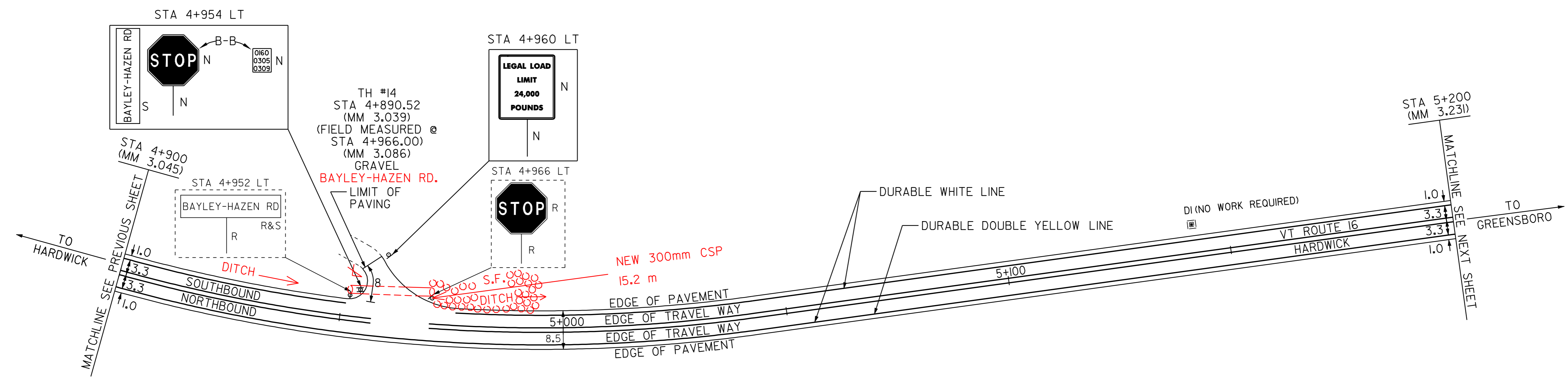
STA 4+900 TO 4+954 SOLID LT
 STA 4+900 TO 5+200 SOLID RT
 STA 4+978 TO 5+200 SOLID LT

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

~~STA 5+142 LT~~ NO WORK REQUIRED

REMOVING SIGNS
 AS SHOWN - 2

ERECTING SALVAGED SIGNS
 AS SHOWN - 1



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
- S.F. = STONE FILL

NOTE: ALL DIMENSIONS IN METERS EXCEPT AS INDICATED

DATUM	
VERTICAL	N/A
HORIZONTAL	N/A

NOT TO SCALE

PAVING PROJECT LAYOUT #6

PROJECT: HARDWICK-GREENSBORO	PROJECT NO.: STP 2112(IIS)
DESIGN FILE NAME: pave/98b106/pbl06.dgn	PLOT DATE: 10-JUL-2006 13:50
IPARM FILE NAME: pbl061a06.i	SURVEY DATE: 6/99
SURVEYED BY: CLD ENGINEERS, INC.	DRAWN BY: JPC
SQUAD LEADER: WRH	SHEET: 15 OF 43

TEMPORARY AND DURABLE 100 mm YELLOW LINE

STA 5+200 TO 5+415 SOLID LT & RT
 STA 5+427 TO 5+500 SOLID LT & RT

TEMPORARY AND DURABLE 100 mm WHITE LINE

STA 5+200 TO 5+500 SOLID LT
 STA 5+200 TO 5+409 SOLID RT
 STA 5+433 TO 5+500 SOLID RT

MANUFACTURED TERMINAL SECTION (FLARED)

STA 5+200.0 RT ~ 5+211.43 RT
 STA 5+295.0 LT ~ 5+306.43 LT
 STA 5+353.6 RT ~ 5+365.03 RT
 STA 5+378.6 LT ~ 5+390.03 LT

REMOVING SIGNS

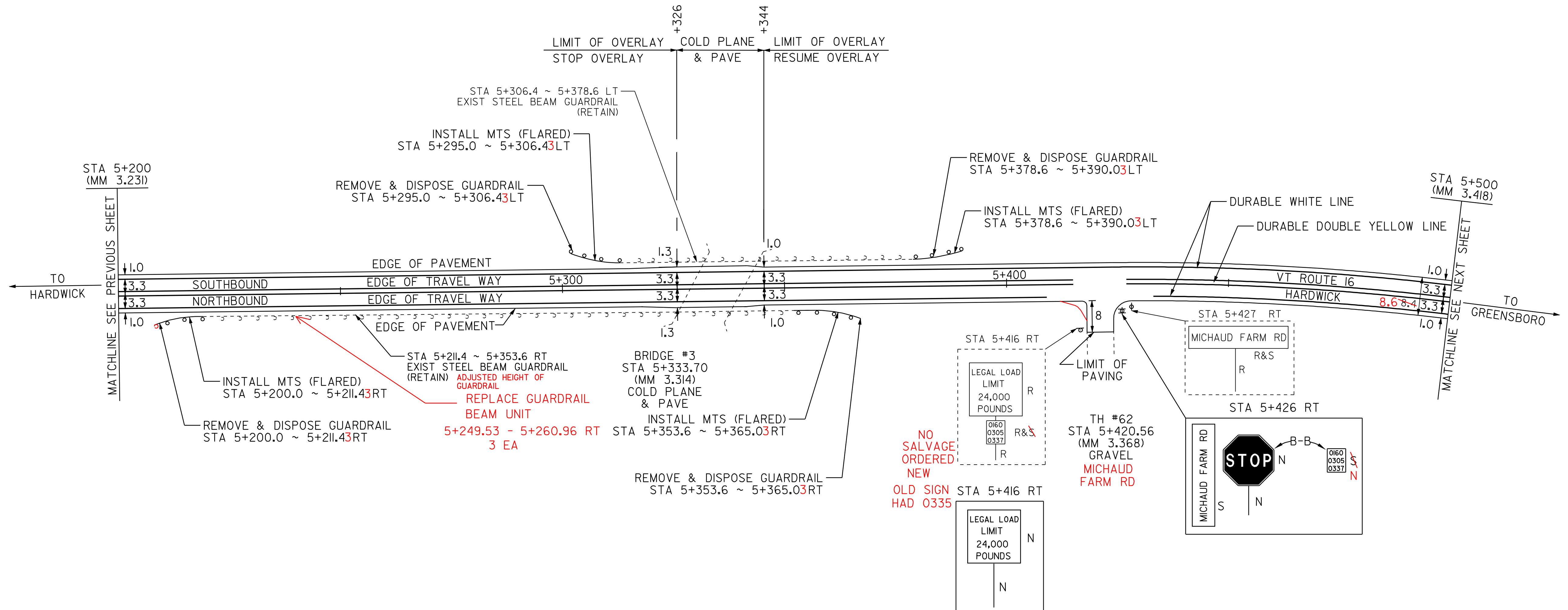
AS SHOWN - 3

ERECTING SALVAGED SIGNS

AS SHOWN - 2 1

REMOVAL & DISP. OF GUARDRAIL

STA 5+200.0 RT ~ 5+211.43 RT
 STA 5+295.0 LT ~ 5+306.43 LT
 STA 5+353.6 RT ~ 5+365.03 RT
 STA 5+378.6 LT ~ 5+390.03 LT



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 #7	PROJECT: HARDWICK-GREENSBORO	PROJECT NO.: STP 2112(I)S
	DESIGN FILE NAME: pave/98b106/pbl06.dgn	PLOT DATE: 10-JUL-2006 13:50
	IPARM FILE NAME: pbl061a07.i	SURVEYED BY: CLD ENGINEERS, INC.
	SURVEYED BY: CLD ENGINEERS, INC.	SURVEY DATE: 6/99
SQUAD LEADER: WRH	DRAWN BY: JPC	SHEET: 16 OF 43

TEMPORARY AND DURABLE 100 mm YELLOW LINE
 STA 5+500 TO 5+800 SOLID LT & RT

TEMPORARY AND DURABLE 100 mm WHITE LINE
 STA 5+500 TO 5+800 SOLID LT & RT

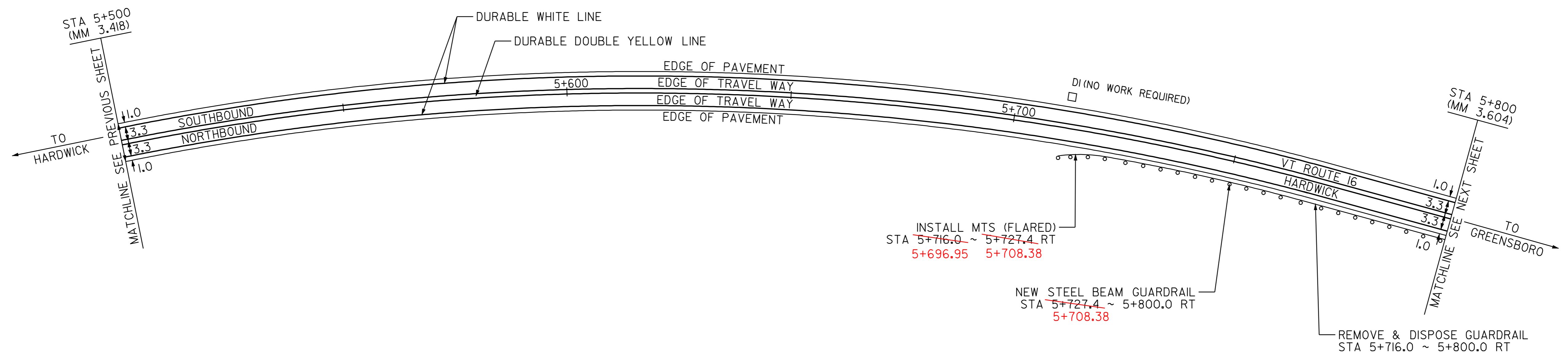
MANUFACTURED TERMINAL SECTION (FLARED)
 STA ~~5+716.0~~ RT ~ ~~5+727.4~~ RT
 5+696.95 5+708.38

STEEL BEAM GUARDRAIL
 STA ~~5+727.4~~ ~ 5+800.0 RT
 5+708.38

REMOVAL & DISP. OF GUARDRAIL
 STA 5+716.0 ~ 5+800.0 RT

CHANGING ELEV. OF DI, CB OR MH
 REHABILITATION OF DI, CB OR MH, CLASS I
 STA ~~5+712~~ LT NO WORK REQUIRED

RELOCATE MAILBOX SINGLE SUPPORT
 STA 5+784.58 RT
 STA 5+784.78 RT



PAVEMENT CORES - ⊗

STA	TOTAL DEPTH (MM)	PCC
4 STA 5+538 LT 180		NO

DATUM

VERTICAL	N/A
HORIZONTAL	N/A

- 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

NOT TO SCALE

PAVING PROJECT LAYOUT #8	PROJECT: HARDWICK-GREENSBORO	PROJECT NO.: STP 2112(I)S
	mo pave/98b106/pbl06.dgn	
	IPARM FILE NAME: pbl061a08.I	PLOT DATE: 10-JUL-2006 13:50
	SURVEYED BY: CLD ENGINEERS, INC.	SURVEY DATE: 6/99
SQUAD LEADER: WRH	DRAWN BY: JPC	SHEET: 17 OF 43

TEMPORARY AND DURABLE 100 mm YELLOW LINE

STA 5+800 TO 6+094 SOLID LT & RT
 STA 6+106 TO 6+439 SOLID LT & RT
 STA 6+439 TO 6+450 SOLID LT DASHED RT

TEMPORARY AND DURABLE 100 mm WHITE LINE

STA 5+800 TO 6+088 SOLID LT
 STA 5+800 TO 6+450 SOLID RT
 STA 6+112 TO 6+450 SOLID LT

MANUFACTURED TERMINAL SECTION (FLARED)

5+914.12 STA 5+933.6 ~ 5+935.0 RT 5+925.55
 STA 6+043.0 ~ 6+054.43 RT
 6+168.73 STA 6+167.6 ~ 6+179.0 RT 6+180.16
 STA 6+230.0 ~ 6+241.43 RT
 6+298.58 STA 6+292.6 ~ 6+304.0 RT 6+310.01
 STA 6+340.0 ~ 6+351.43 RT

STEEL BEAM GUARDRAIL

STA 5+800.0 ~ 5+923.6 RT 5+807.44 5+822.68 ~ 5+914.12 RT
 STA 6+054.43 ~ 6+167.6 RT 6+168.73
 STA 6+241.43 ~ 6+292.6 RT 6+298.58
 STA 6+351.43 ~ 6+450.0 RT

REMOVAL & DISP. OF GUARDRAIL

STA 5+800.0 ~ 5+935.0 RT 5+936.98
 STA 6+043.0 ~ 6+179.0 RT 6+180.16
 STA 6+230.0 ~ 6+304.0 RT 6+310.01
 STA 6+340.0 ~ 6+450.0 RT

STEEL BEAM GUARDRAIL (MOD - W/ 2.4 POSTS)

STA 5+807.44 ~ 5+822.68 RT

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

STA 6+397 LT
 STA 5+862 LT NO WORK REQUIRED

REMOVING SIGNS
 AS SHOWN - 3, 2

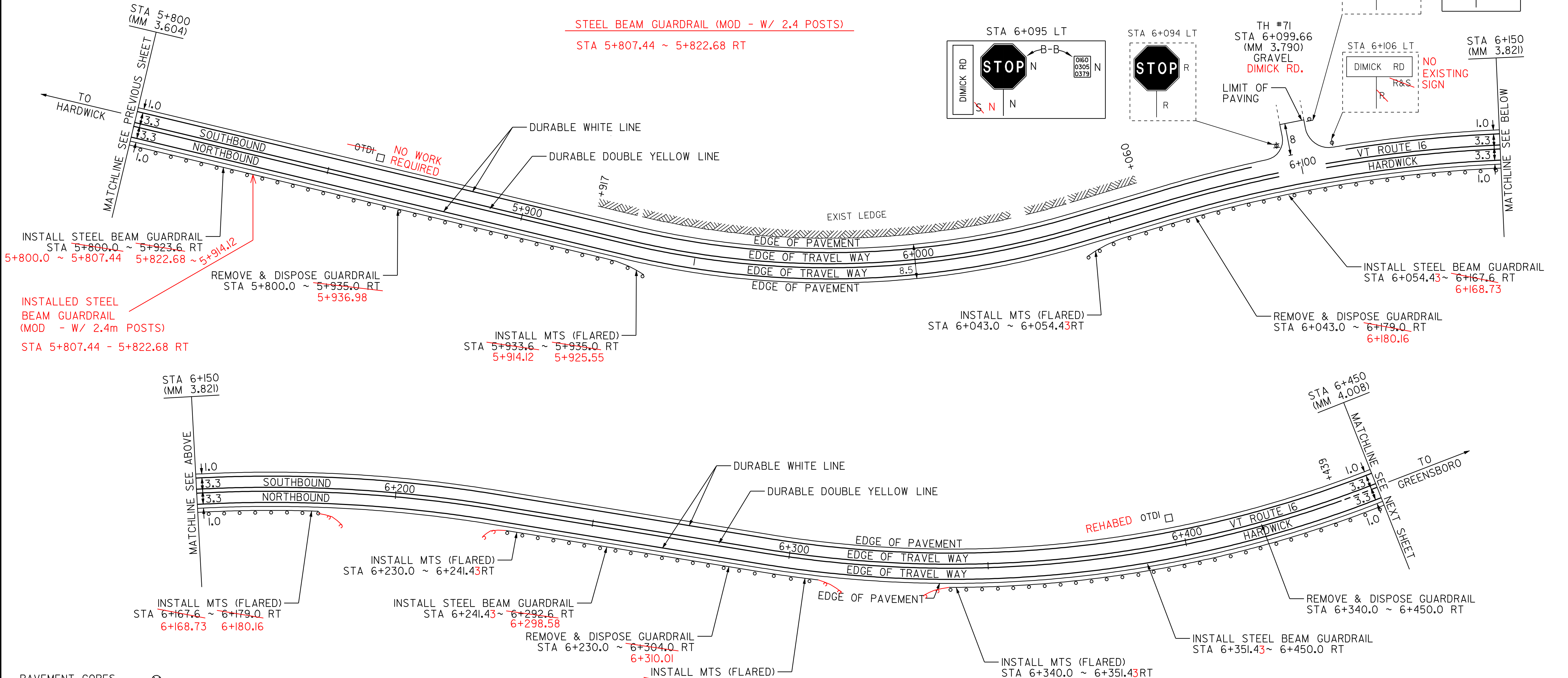
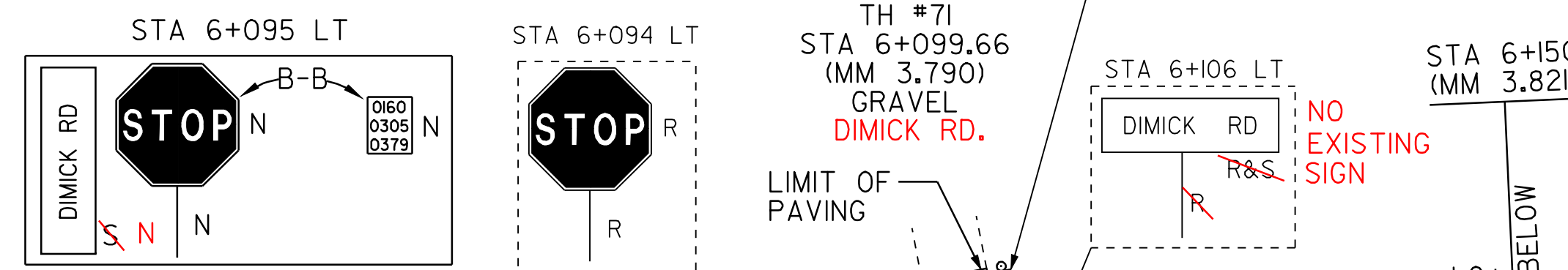
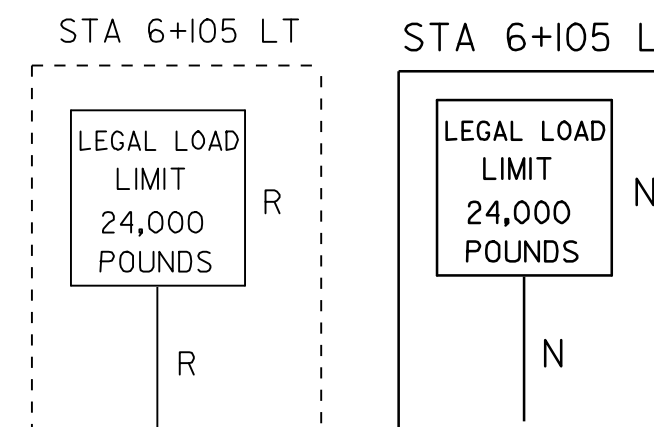
ERECTING SALVAGED SIGNS
 AS SHOWN - 1

RELOCATE MAILBOX - SINGLE SUPPORT

~~STA 6+340 RT~~
~~STA 6+445 RT~~
 6+431 RT

RELOCATE MAILBOX - MULTIPLE SUPPORT

~~STA 5+834 RT~~



STA	TOTAL DEPTH (MM)	PCC
5 STA 5+961 RT	152	NO

DATUM
 VERTICAL N/A
 HORIZONTAL N/A

- 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 #9

PROJECT: HARDWICK-GREENSBORO	PROJECT No.: STP 2112(I)S
DESIGN FILE NAME: pave\98b106\pbl06.dgn	PLOT DATE: 10-JUL-2006 13:50
IPARM FILE NAME: pbl061a09.i	SURVEY DATE: 6/99
SURVEYED BY: CLD ENGINEERS, INC.	DRAWN BY: JPC
SQUAD LEADER: WRH	SHEET: 18 OF 43

NOT TO SCALE

TEMPORARY AND DURABLE 100 mm YELLOW LINE

STA 6+450 TO 6+705 SOLID LT, DASHED RT
 STA 6+705 TO 6+827 SOLID LT & RT
 STA 6+833 DOUBLE SOLID RT (S.A. 5)
 STA 6+839 TO 7+050 SOLID LT & RT

TEMPORARY AND DURABLE 100 mm WHITE LINE

STA 6+450 TO 7+050 SOLID LT
 STA 6+450 TO 6+819 SOLID RT
 STA 6+836 TO 7+050 SOLID RT

~~TEMPORARY AND DURABLE 600 mm STOP BAR~~

STA 6+833 RT (S.A. 5)

~~TEMPORARY AND DURABLE LETTER OR SYMBOL~~

STA 6+833 RT - "STOP" (S.A. 5)

MANUFACTURED TERMINAL SECTION (FLARED)

STA ~~6+565.6~~ RT ~ ~~6+577.0~~ RT
 6+572.41 6+583.84

STEEL BEAM GUARDRAIL

STA 6+450.0 ~ ~~6+565.6~~ RT
 6+572.41

REMOVAL & DISP. OF GUARDRAIL

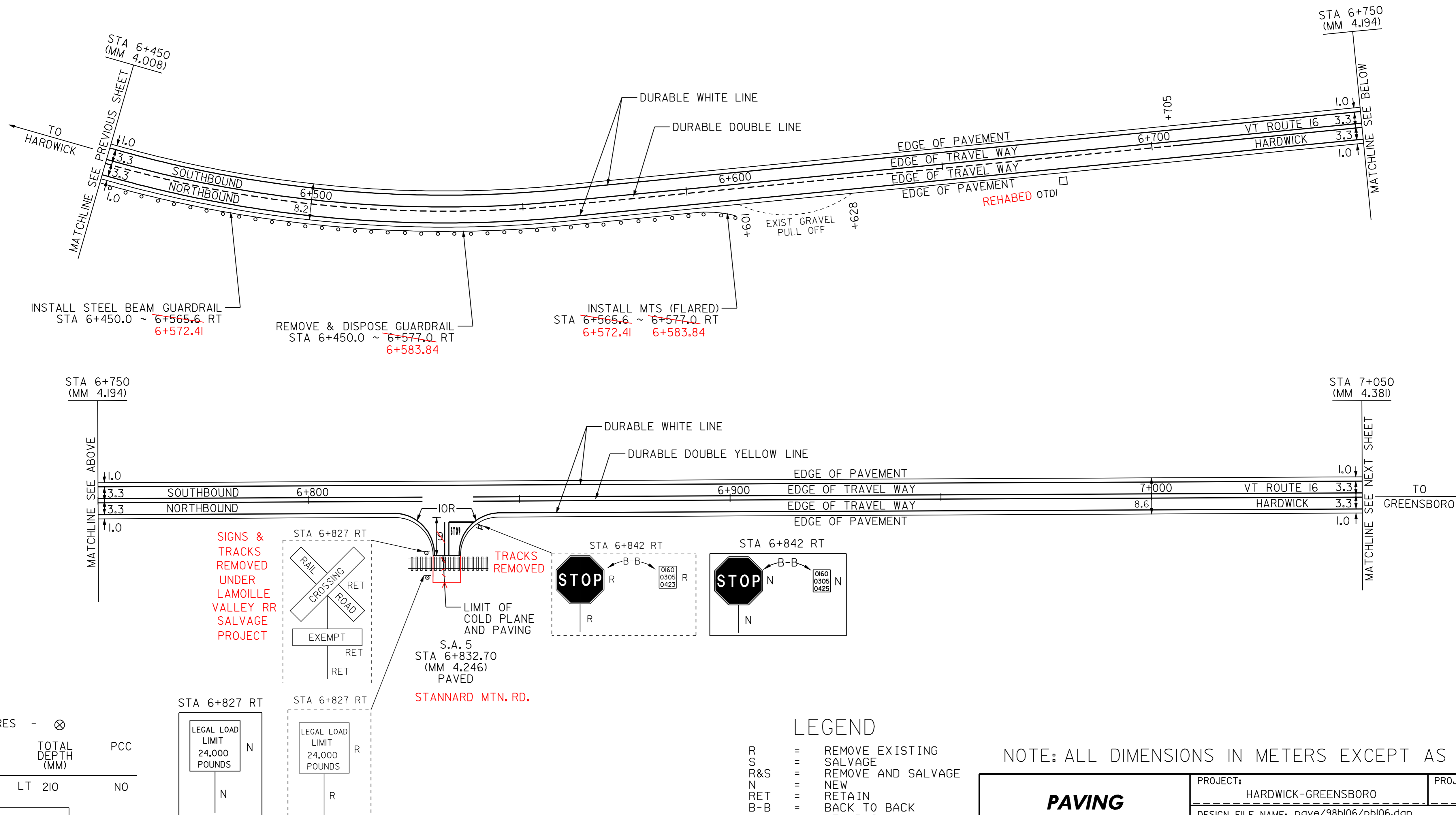
STA 6+450.0 ~ ~~6+577.0~~ RT
 6+583.84

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

STA 6+678 RT

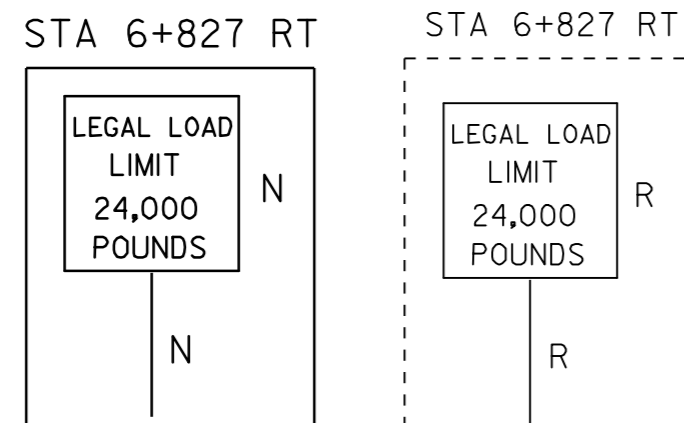
REMOVING SIGNS

AS SHOWN - 3



PAVEMENT CORES - ⊗

STA	TOTAL DEPTH (MM)	PCC
6 STA 7+007	LT 210	NO



- 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 #10

PROJECT: HARDWICK-GREENSBORO	PROJECT No.: STP 2112(1)S
DESIGN FILE NAME: pave/98b106/pbl06.dgn	PLOT DATE: 10-JUL-2006 13:50
IPARM FILE NAME: pbl061a10.i	SURVEY DATE: 6/99
SURVEYED BY: CLD ENGINEERS, INC.	DRAWN BY: JPC
SQUAD LEADER: WRH	SHEET: 19 OF 43

NOT TO SCALE

TEMPORARY AND DURABLE 100 mm YELLOW LINE
 HARDWICK
 STA 7+050 TO ~~7+113~~ 7+132 SOLID LT & RT
 GREENSBORO
 STA 0+000 TO 0+044 SOLID LT & RT
 STA 0+056 TO 0+250 SOLID LT & RT

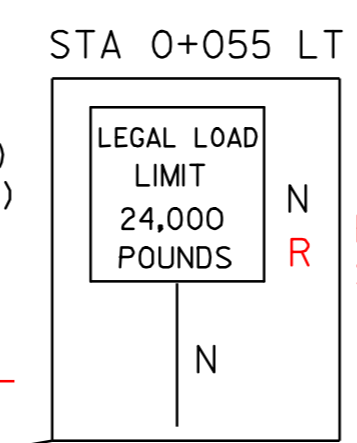
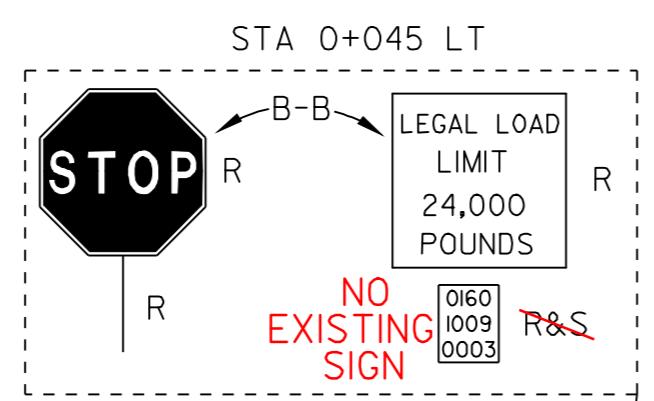
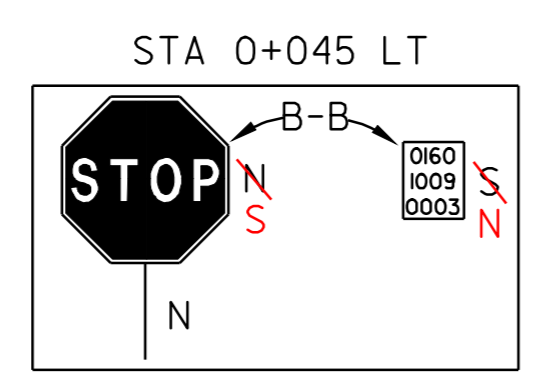
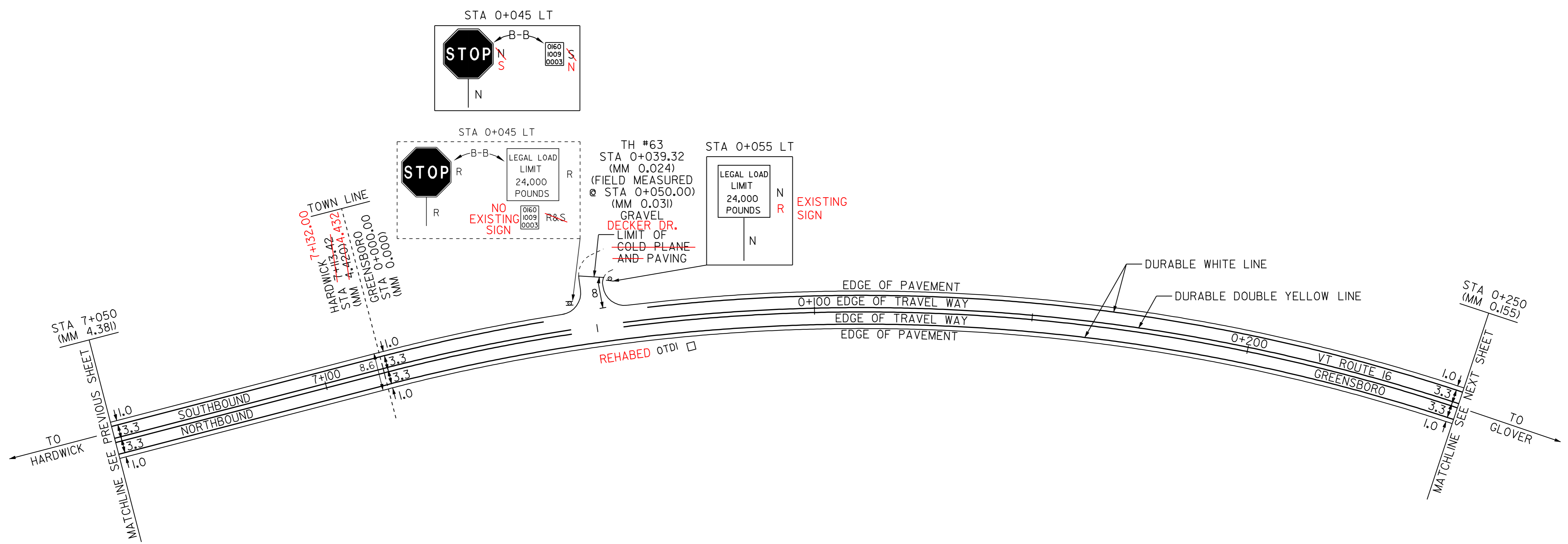
TEMPORARY AND DURABLE 100 mm WHITE LINE
 HARDWICK
 STA 7+050 TO ~~7+113~~ 7+132 SOLID LT & RT
 GREENSBORO
 STA 0+000 TO 0+038 SOLID LT
 STA 0+000 TO 0+250 SOLID RT
 STA 0+062 TO 0+250 SOLID LT

~~CHANGING ELEV. OF DI, CB OR MH~~
~~REHABILITATION OF DI, CB OR MH, CLASS I~~
 STA 0+065 ~~LT, RT~~

REMOVING SIGNS
~~AS SHOWN - 3~~

ERECTING SALVAGED SIGNS
~~AS SHOWN - 1 1~~

RELOCATE MAILBOX - MULTIPLE SUPPORT
~~0+045 LT~~



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: HARDWICK-GREENSBORO	PROJECT NO.: STP 2112(I)S
	DESIGN FILE NAME: pave/98b106/pbi06.dgn	PLOT DATE: 10-JUL-2006 13:50
	IPARM FILE NAME: pbi06.dgn	SURVEY DATE: 6/99
	SURVEYED BY: CLD ENGINEERS, INC.	DRAWN BY: JPC
	SQUAD LEADER: WRH	SHEET: 20 OF 43

TEMPORARY AND DURABLE 100 mm YELLOW LINE
 STA 0+250 TO 0+509 SOLID LT & RT
 STA 0+515 DOUBLE SOLID LT & RT (S.A. 1)
 STA 0+521 TO 0+600 SOLID LT & RT

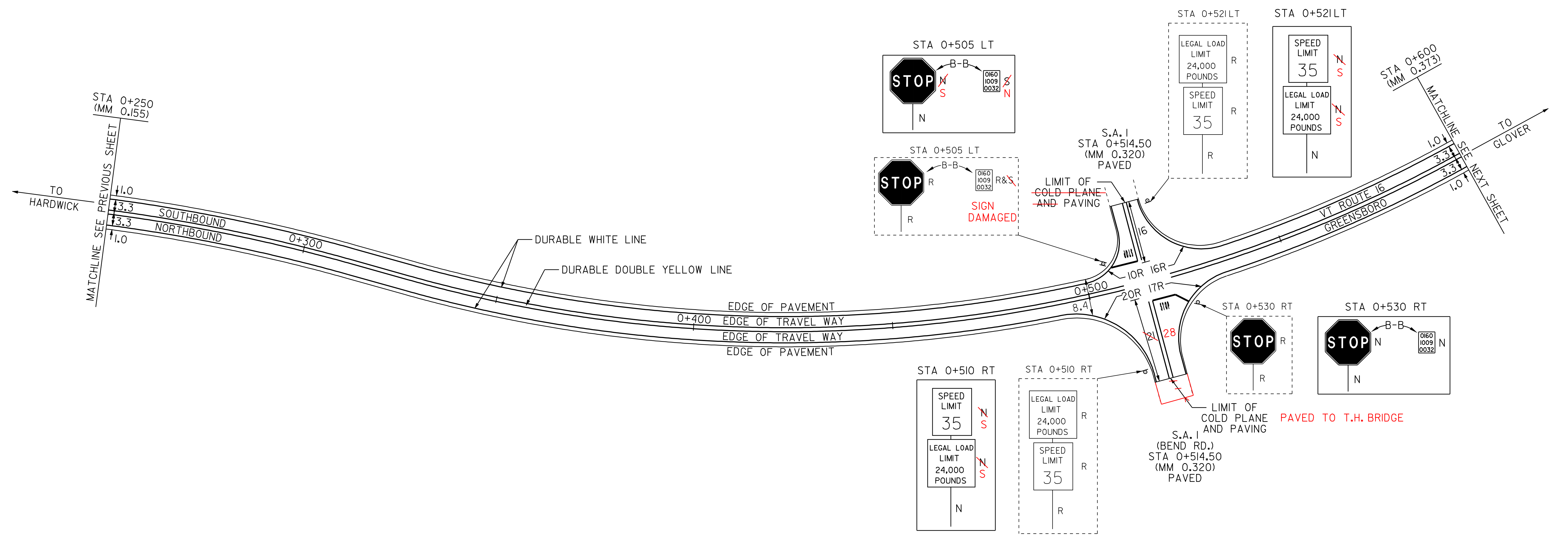
TEMPORARY AND DURABLE 100 mm WHITE LINE
 STA 0+250 TO 0+510 SOLID LT & RT
 STA 0+518 TO 0+600 SOLID LT & RT

~~TEMPORARY AND DURABLE 600 mm STOP BAR~~
 STA 0+515 LT (S.A. 1)
 STA 0+515 RT (S.A. 1)

~~TEMPORARY AND DURABLE LETTER OR SYMBOL~~
 STA 0+515 LT - "STOP" (S.A. 1)
 STA 0+515 RT - "STOP" (S.A. 1)

REMOVING SIGNS
 AS SHOWN - 6, 7

ERECTING SALVAGED SIGNS
 AS SHOWN - 1, 5



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

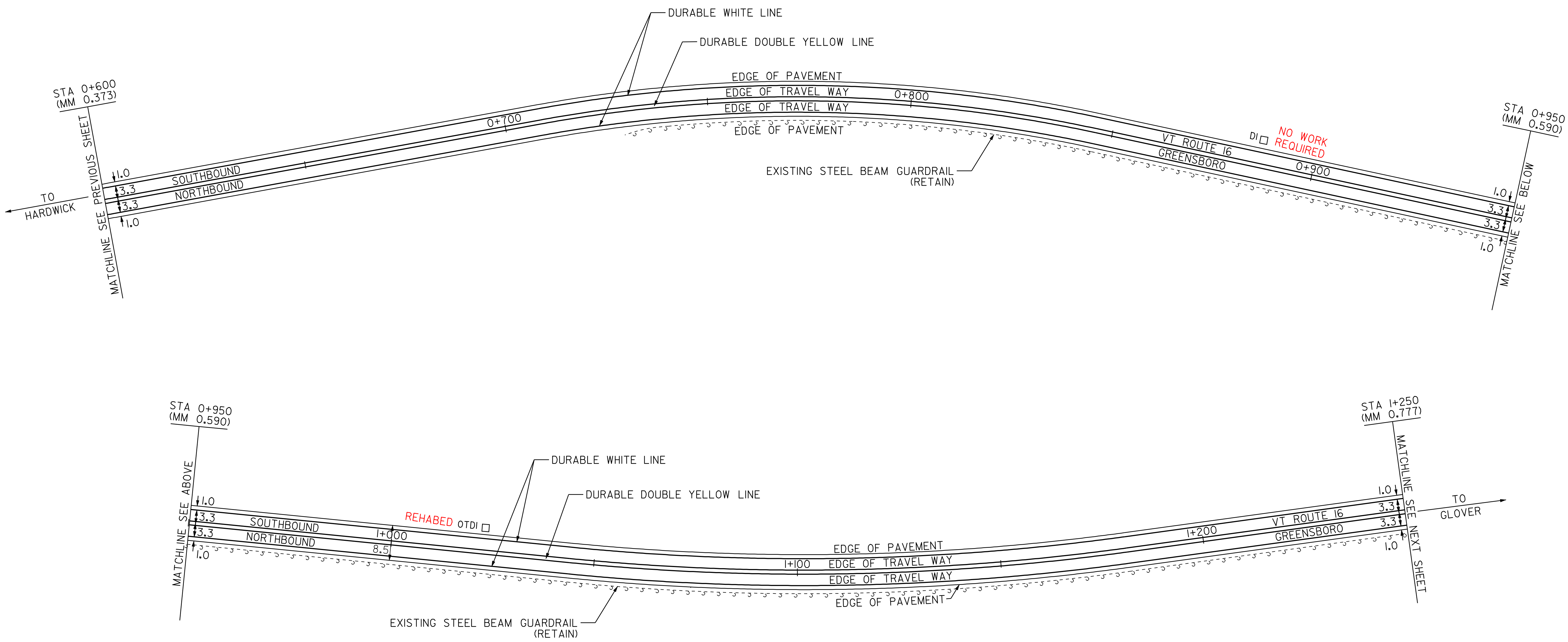
DATUM	
VERTICAL	N/A
HORIZONTAL	N/A

NOT TO SCALE

PAVING PROJECT LAYOUT #12	PROJECT: HARDWICK-GREENSBORO	PROJECT NO.: STP 2112(I)S
	DESIGN FILE NAME: pave/98b106/pbl06.dgn	
	IPARM FILE NAME: pbl061a12.i	PLOT DATE: 10-JUL-2006 13:50
	SURVEYED BY: CLD ENGINEERS, INC.	SURVEY DATE: 6/99
SQUAD LEADER: WRH	DRAWN BY: JPC	SHEET: 21 OF 43

TEMPORARY AND DURABLE 100 mm YELLOW LINE
 STA 0+600 TO 1+250 SOLID LT & RT
 TEMPORARY AND DURABLE 100 mm WHITE LINE
 STA 0+600 TO 1+250 SOLID LT & RT

~~CHANGING ELEV. OF DI, CB OR MH~~
~~REHABILITATION OF DI, CB OR MH, CLASS I~~
 STA ~~0+887 LT~~ NO WORK REQUIRED
 STA 1+023 LT



STA	TOTAL DEPTH (MM)	PCC
7 STA 0+869 RT	180	NO

DATUM
 VERTICAL N/A
 HORIZONTAL N/A

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

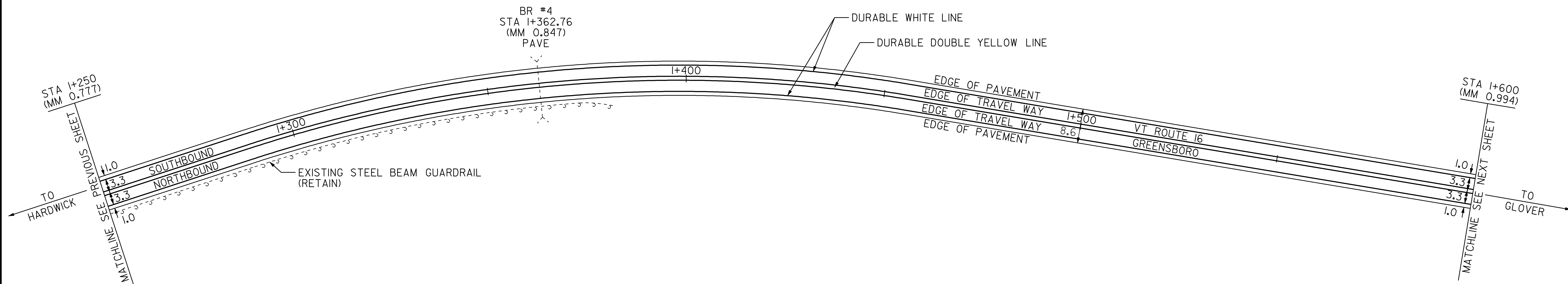
NOT TO SCALE

PAVING PROJECT LAYOUT #13

PROJECT: HARDWICK-GREENSBORO	PROJECT NO.: STP 2112(1)S
DESIGN FILE NAME: pqve/98b106/pbl06.dgn	PLOT DATE: 10-JUL-2006 13:51
IPARM FILE NAME: pbl061a13.1	SURVEY DATE: 6/99
SURVEYED BY: CLD ENGINEERS, INC.	DRAWN BY: JPC
SQUAD LEADER: WRH	SHEET: 22 OF 43

TEMPORARY AND DURABLE 100 mm YELLOW LINE
 STA 1+250 TO 1+600 SOLID LT & RT

TEMPORARY AND DURABLE 100 mm WHITE LINE
 STA 1+250 TO 1+600 SOLID LT & RT



PAVEMENT CORES	STA	TOTAL DEPTH (MM)	PCC
8	STA 1+411 LT	180	NO

DATUM	
VERTICAL	N/A
HORIZONTAL	N/A

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 #14

PROJECT: HARDWICK-GREENSBORO	PROJECT NO.: STP 2112(1)S
DESIGN FILE NAME: pave/98b106/pbl06.dgn	PLOT DATE: 10-JUL-2006 13:50
IPARM FILE NAME: pbl061d1.i	SURVEY DATE: 6/99
SURVEYED BY: CLD ENGINEERS, INC.	DRAWN BY: JPC
SQUAD LEADER: WRH	SHEET: 23 OF 43

NOT TO SCALE

TEMPORARY AND DURABLE 100 mm YELLOW LINE

STA 1+600 TO 2+044 SOLID LT & RT
 STA 2+050 DOUBLE SOLID RT (S.A. 4)
 STA 2+056 TO 2+250 SOLID LT & RT

TEMPORARY AND DURABLE 100 mm WHITE LINE

STA 1+600 TO 2+250 SOLID LT
 STA 1+600 TO 2+238 SOLID RT
 STA 2+062 TO 2+250 SOLID RT

~~TEMPORARY AND DURABLE 600 mm STOP BAR~~

~~STA 2+050 RT (S.A. 4)~~

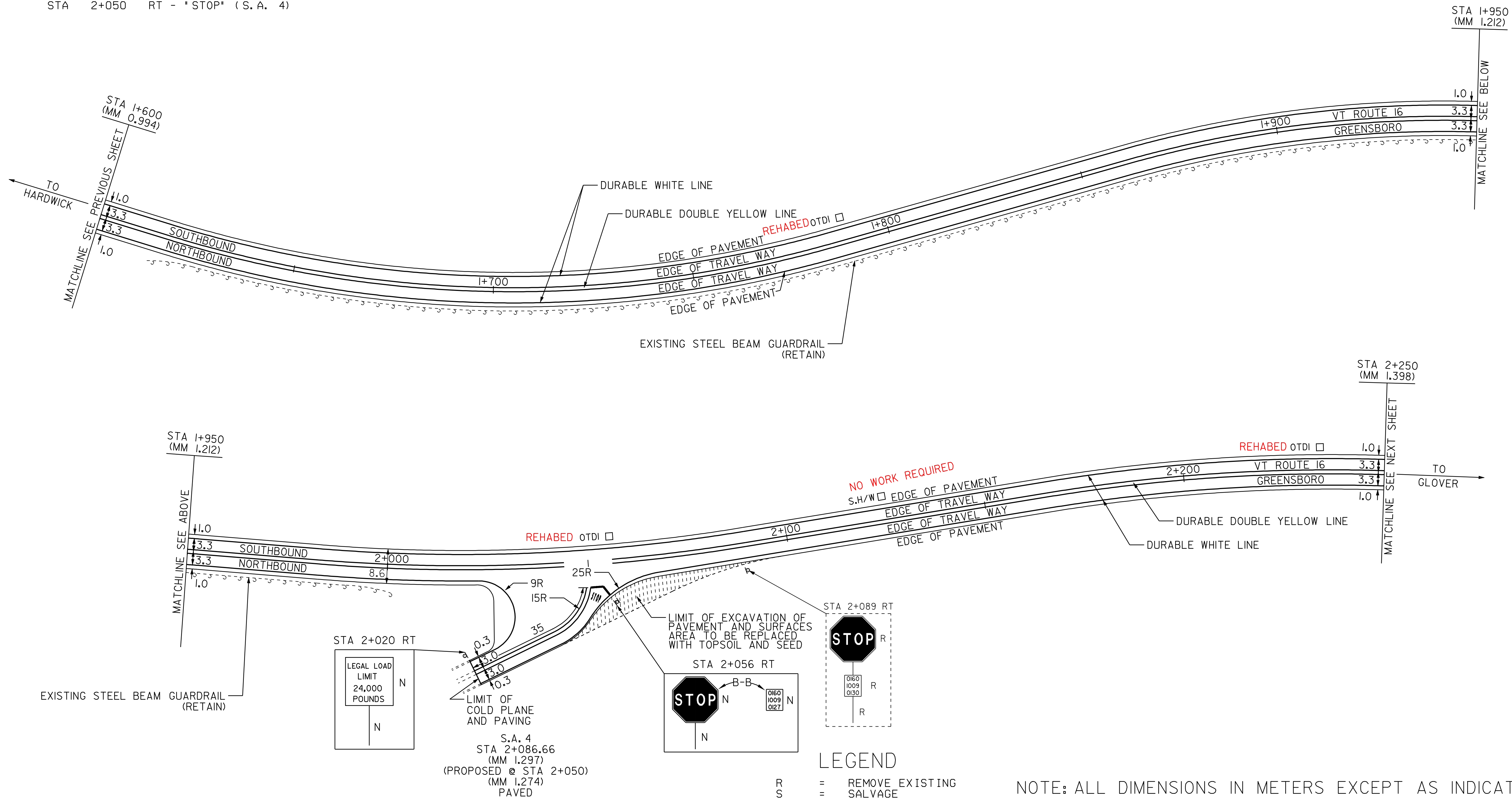
~~TEMPORARY AND DURABLE LETTER OR SYMBOL~~

~~STA 2+050 RT - "STOP" (S.A. 4)~~

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

~~STA 1+789 LT~~
~~STA 2+056 LT~~
~~STA 2+125 LT NO WORK REQUIRED~~
~~STA 2+234 LT~~

REMOVING SIGNS
 AS SHOWN - 2



- 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 #15	PROJECT: HARDWICK-GREENSBORO	PROJECT NO.: STP 2112(1)S
	DESIGN FILE NAME: pave/98b106/pb106.dgn	PLOT DATE: 10-JUL-2006 13:50
	IPARM FILE NAME: pb1061a15.1	SURVEY DATE: 6/99
	SURVEYED BY: CLD ENGINEERS, INC.	DRAWN BY: JPC
	SQUAD LEADER: WRH	SHEET: 24 OF 43

TEMPORARY AND DURABLE 100 mm YELLOW LINE

STA 2+250 TO 2+900 SOLID LT & RT

TEMPORARY AND DURABLE 100 mm WHITE LINE

STA 2+250 TO 2+900 SOLID LT & RT

REMOVAL & DISP. OF GUARDRAIL

STA 2+570.0 ~ ~~2+576.6~~ RT ~~2+581.43~~
~~2+705.60~~ STA ~~2+709.4~~ ~ 2+717.03 RT

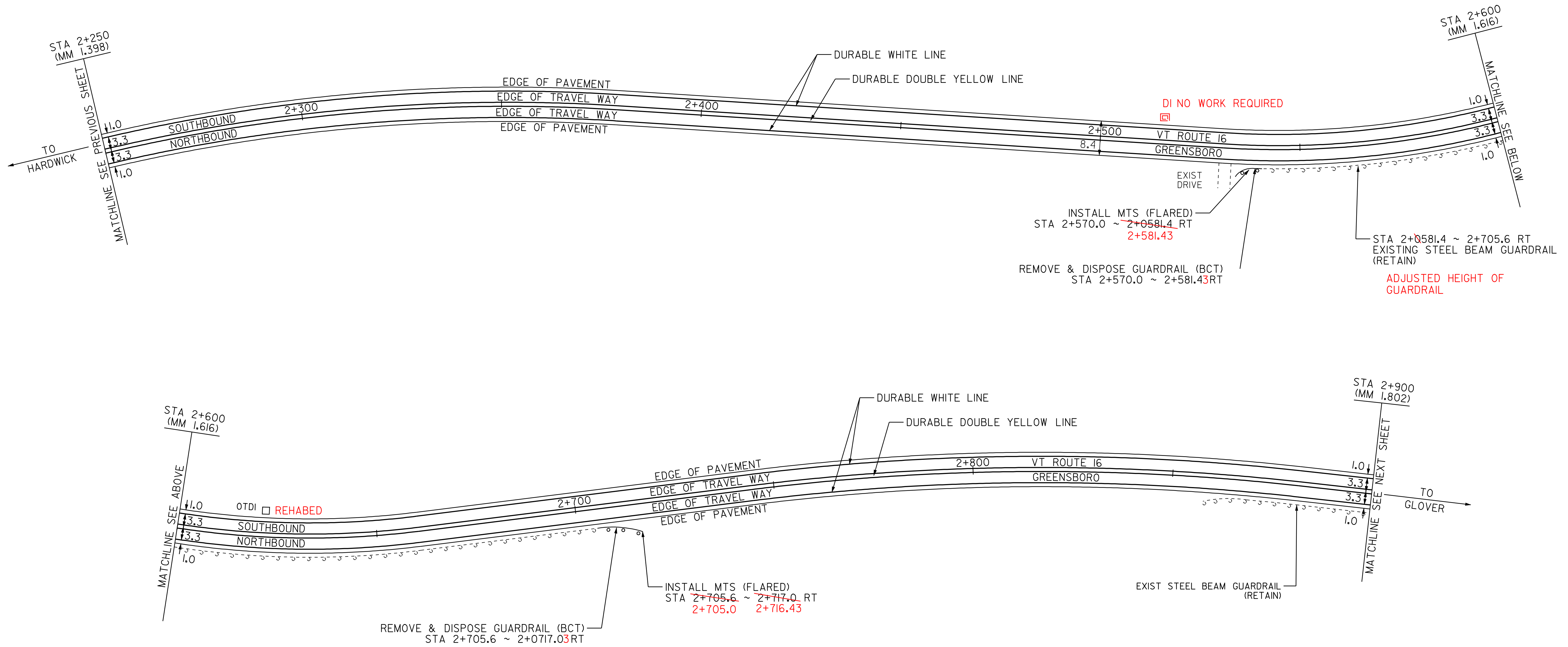
MANUFACTURED TERMINAL SECTION (FLARED)

STA 2+570.0 ~ 2+581.43 RT
 STA 2+705.60 ~ ~~2+717.0~~ RT
 2+716.43

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

STA 2+622 LT ✓

STA 2+520 LT NO WORK REQUIRED



PAVEMENT CORES - ⊗

STA	TOTAL DEPTH (MM)	PCC
9 STA 2+340 RT 64	64	NO

DATUM

VERTICAL	N/A
HORIZONTAL	N/A

- 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 #16

PROJECT: HARDWICK-GREENSBORO	PROJECT NO.: STP 2112(I)S
DESIGN FILE NAME: pave/98bi06/pbi06.dgn	PLOT DATE: 10-JUL-2006 13:50
IPARM FILE NAME: pbi06i06.i	SURVEYED BY: CLD ENGINEERS, INC.
SURVEYED BY: CLD ENGINEERS, INC.	SURVEY DATE: 6/99
SQUAD LEADER: WRH	DRAWN BY: JPC
	SHEET: 25 OF 43

NOT TO SCALE

TEMPORARY AND DURABLE 100 mm YELLOW LINE

STA 2+900	TO	2+973	SOLID LT & RT
STA 2+985	TO	3+066	SOLID LT & RT
STA 3+078	TO	3+250	SOLID LT & RT

TEMPORARY AND DURABLE 100 mm WHITE LINE

STA 2+900	TO	3+250	SOLID RT
STA 2+900	TO	2+967	SOLID LT
STA 2+991	TO	3+060	SOLID LT
STA 3+100	TO	3+250	SOLID LT

REMOVAL & DISPOSAL OF GUARDRAIL

STA 3+081.0	~	3+092.43	RT
STA 3+169.96	~	3+189.39	RT
STA 3+143.0	~	3+154.43	LT
STA 3+202.96	~	3+214.39	LT

MANUFACTURED TERMINAL SECTION (FLARED)

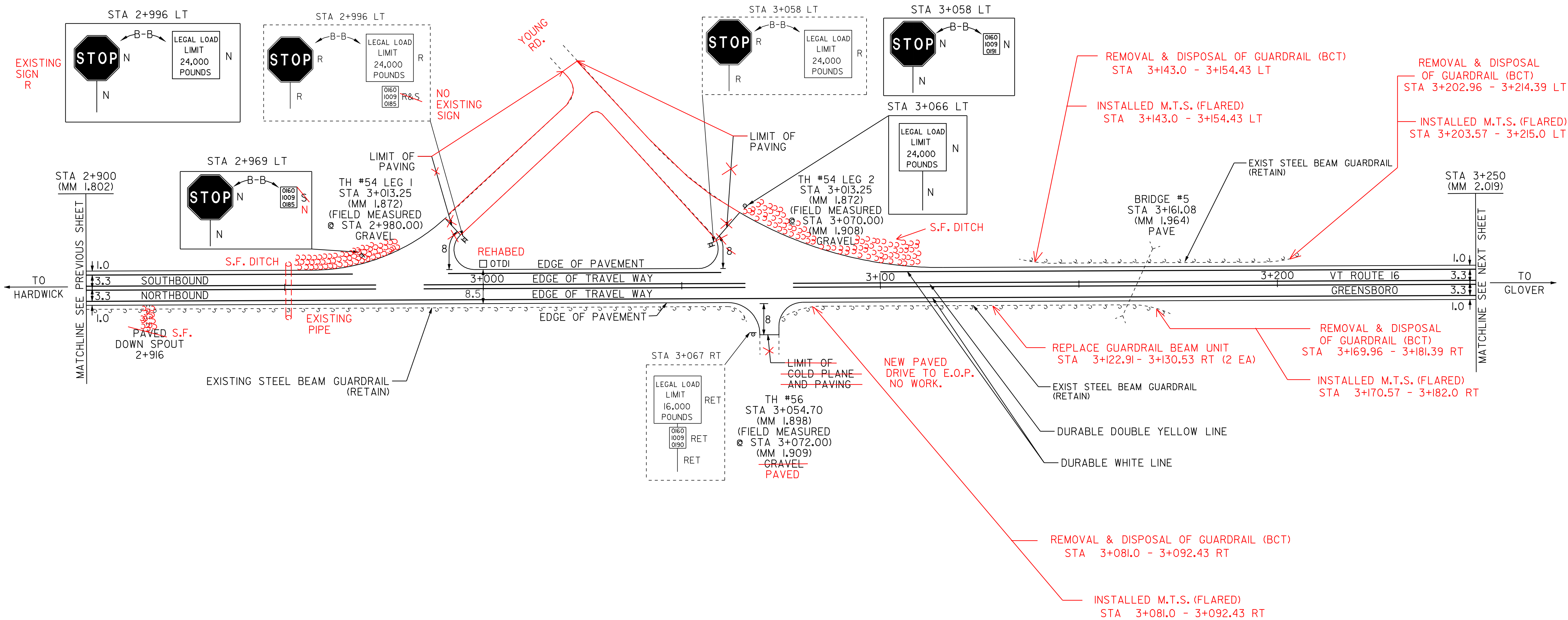
STA 3+081.0	~	3+092.43	RT
STA 3+143.0	~	3+154.43	LT
STA 3+170.57	~	3+182.0	RT
STA 3+203.57	~	3+215.0	LT

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

STA 3+000 LT
 RELOCATE MAILBOX - SINGLE SUPPORT
~~STA 2+914 RT~~

REMOVING SIGNS
~~AS SHOWN - 5~~

ERECTING SALVAGED SIGNS
~~AS SHOWN - 1~~



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
- S.F. = STONE FILL

NOTE: ALL DIMENSIONS IN METERS EXCEPT AS INDICATED

PAVING PROJECT LAYOUT #17	PROJECT: HARDWICK-GREENSBORO	PROJECT NO.: STP 2112(1)S
	DESIGN FILE NAME: pave/98b106/pbl06.dgn	PLOT DATE: 10-JUL-2006 13:50
	IPARM FILE NAME: pbl061a17.i	SURVEYED BY: CLD ENGINEERS, INC. SURVEY DATE: 6/99
	SQUAD LEADER: WRH	DRAWN BY: JPC
		SHEET: 26 OF 43

TEMPORARY AND DURABLE 100 mm YELLOW LINE

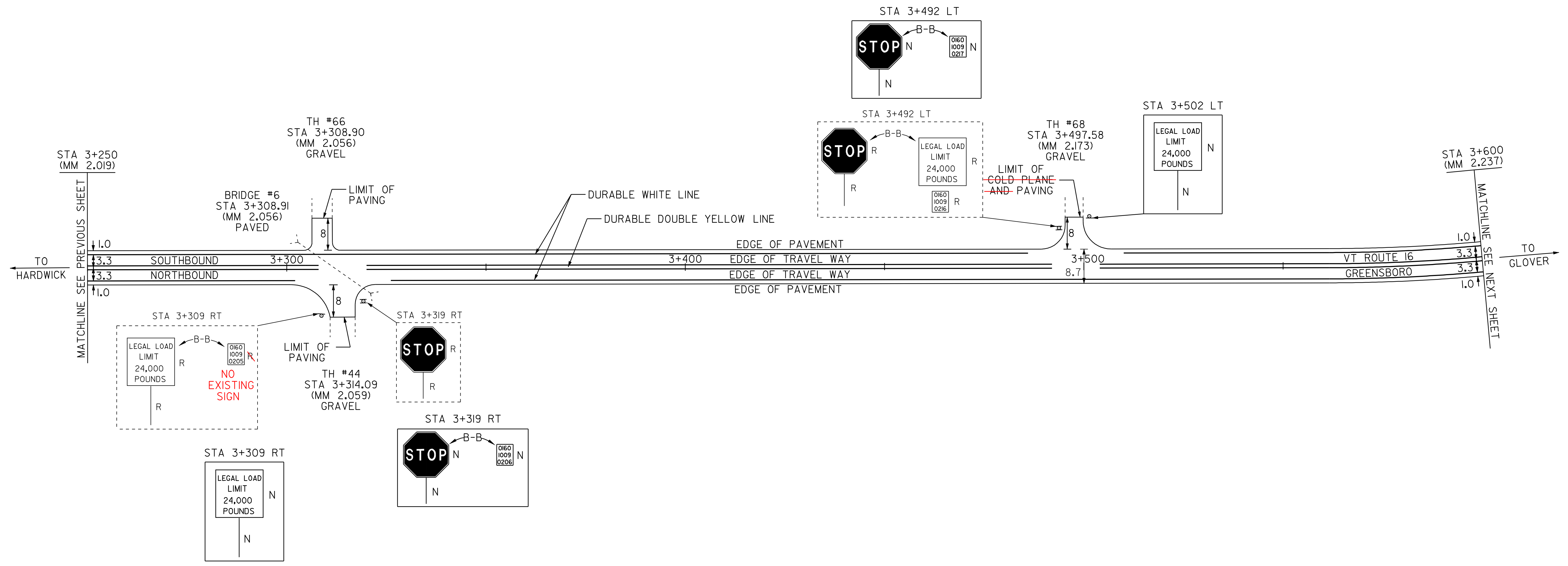
STA 3+250	TO	3+308	SOLID LT & RT
STA 3+320	TO	3+492	SOLID LT & RT
STA 3+504	TO	3+600	SOLID LT & RT

REMOVING SIGNS

~~AS SHOWN - 6, 5~~

TEMPORARY AND DURABLE 100 mm WHITE LINE

STA 3+250	TO	3+486	SOLID LT
STA 3+250	TO	3+302	SOLID RT
STA 3+326	TO	3+600	SOLID RT
STA 3+510	TO	3+600	SOLID LT



PAVEMENT CORES - ⊗

STA	TOTAL DEPTH (MM)	PCC
IO STA 3+338 LT IOI		NO

DATUM

VERTICAL	N/A
HORIZONTAL	N/A

- 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

NOT TO SCALE

<p>PAVING PROJECT LAYOUT #18</p>	PROJECT: HARDWICK-GREENSBORO	PROJECT NO.: STP 2112(1)S
	DESIGN FILE NAME: pave/98b106/pbl06.dgn	PLOT DATE: 10-JUL-2006 13:50
	IPARM FILE NAME: pbl061a18.1	SURVEY DATE: 6/99
	SURVEYED BY: CLD ENGINEERS, INC.	DRAWN BY: JPC
SQUAD LEADER: WRH	SHEET: 27 OF 43	

TEMPORARY AND DURABLE 100 mm YELLOW LINE
 STA 3+600 TO 4+250 SOLID LT & RT

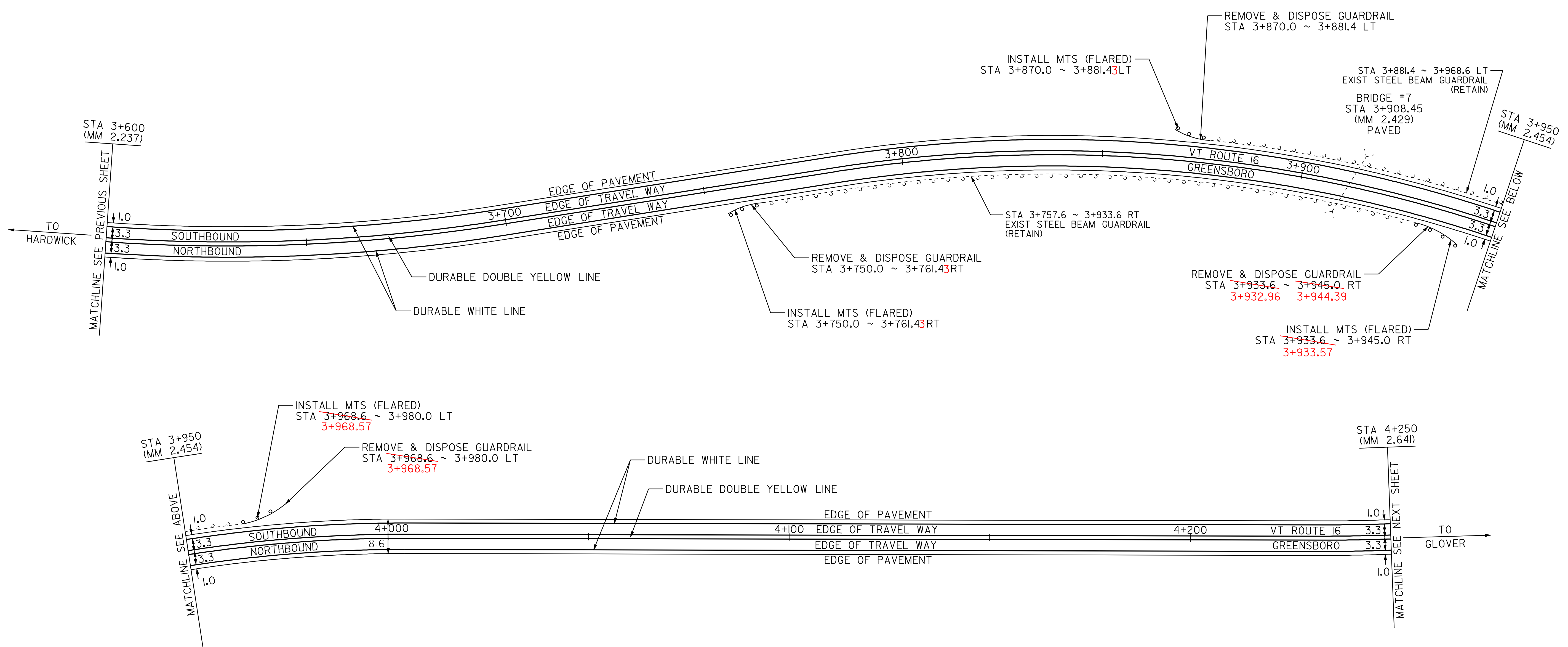
TEMPORARY AND DURABLE 100 mm WHITE LINE
 STA 3+600 TO 4+250 SOLID LT & RT

MANUFACTURED TERMINAL SECTION (FLARED)

STA 3+750.0 ~ 3+761.43 RT
 STA 3+870.0 ~ 3+881.4 LT
 3+933.57 STA 3+933.6 ~ 3+945.0 RT
 3+968.57 STA 3+968.6 ~ 3+980.0 LT

REMOVAL & DISP. OF GUARDRAIL

STA 3+750.0 ~ 3+761.43 RT
 STA 3+870.0 ~ 3+881.43 LT
 3+932.96 STA 3+933.6 ~ 3+945.0 RT 3+944.39
 3+968.57 STA 3+968.6 ~ 3+980.0 LT



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

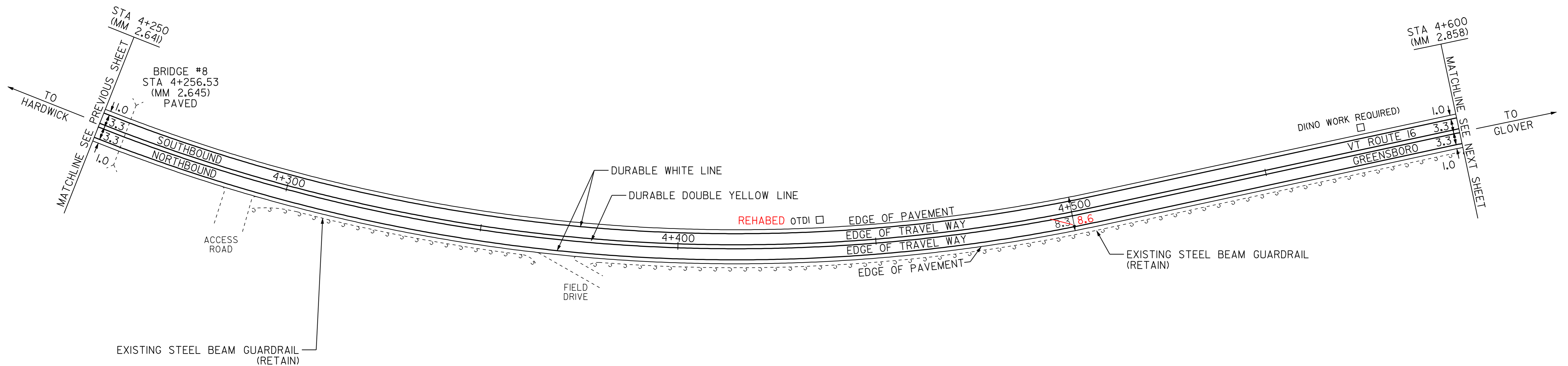
NOTE: ALL DIMENSIONS IN METERS EXCEPT AS INDICATED

PAVING PROJECT LAYOUT #19	PROJECT: HARDWICK-GREENSBORO	PROJECT NO.: STP 2112(1)S
	DESIGN FILE NAME: pave/98b106/pbl06.dgn	
	IPARM FILE NAME: pbl061d19.1	PLOT DATE: 10-JUL-2006 13:50
	SURVEYED BY: CLD ENGINEERS, INC.	SURVEY DATE: 6/99
SQUAD LEADER: WRH	DRAWN BY: JPC	
		SHEET: 28 OF 43

TEMPORARY AND DURABLE 100 mm YELLOW LINE
 STA 4+250 TO 4+600 SOLID LT & RT

TEMPORARY AND DURABLE 100 mm WHITE LINE
 STA 4+250 TO 4+600 SOLID LT & RT

~~CHANGING ELEV. OF DI, CB OR MH~~
 REHABILITATION OF DI, CB OR MH, CLASS J
 STA 4+436 LT
 STA ~~4+576 LT~~ NO WORK REQUIRED



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

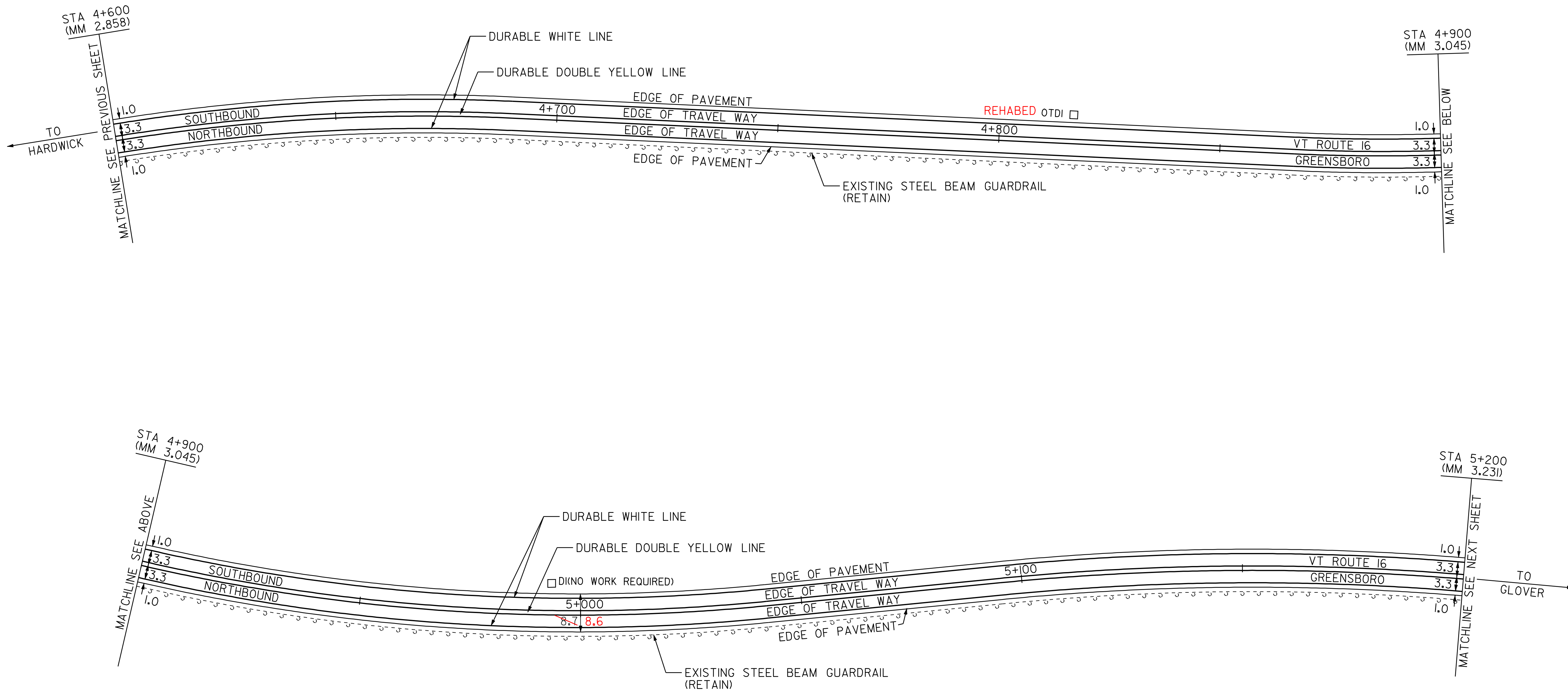
NOTE: ALL DIMENSIONS IN METERS EXCEPT AS INDICATED

PAVING PROJECT LAYOUT #20	PROJECT: HARDWICK-GREENSBORO	PROJECT NO.: STP 2112(1)S
	DESIGN FILE NAME: pave/98b106/pb106.dgn	PLOT DATE: 10-JUL-2006 13:50
	IPARM FILE NAME: pb106a20.i	SURVEY DATE: 6/99
	SURVEYED BY: CLD ENGINEERS, INC.	DRAWN BY: JPC
SQUAD LEADER: WRH	SHEET: 29 OF 43	

TEMPORARY AND DURABLE 100 mm YELLOW LINE
 STA 4+600 TO 5+200 SOLID LT & RT

TEMPORARY AND DURABLE 100 mm WHITE LINE
 STA 4+600 TO 5+200 SOLID LT & RT

~~CHANGING ELEV. OF DI, CB OR MH~~
~~REHABILITATION OF DI, CB OR MH, CLASS I~~
 STA 4+817 LT
 STA 4+992 LT NO WORK REQUIRED



STA	TOTAL DEPTH (MM)	PCC
12 STA 4+949 LT 114		NO

DATUM	
VERTICAL	N/A
HORIZONTAL	N/A

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 #21

PROJECT: HARDWICK-GREENSBORO	PROJECT NO.: STP 2112(1)S
DESIGN FILE NAME: pave/98b106/pbl06.dgn	PLOT DATE: 10-JUL-2006 13:50
IPARM FILE NAME: pbl06a21.i	SURVEY DATE: 6/99
SURVEYED BY: CLD ENGINEERS, INC.	DRAWN BY: JPC
SQUAD LEADER: WRH	SHEET: 30 OF 43

NOT TO SCALE

TEMPORARY AND DURABLE 100 mm YELLOW LINE
 STA 5+200 TO 5+900 SOLID LT & RT

TEMPORARY AND DURABLE 100 mm WHITE LINE
 STA 5+200 TO 5+900 SOLID LT & RT

STEEL BEAM GUARDRAIL (2.4m POST)(MOD.)

STA ~~5+851.0~~ ~ ~~5+878.0~~ LT
~~5+862.43 ~ 5+877.67~~

~~ANCHOR FOR STEEL BEAM RAIL~~
~~STA 5+851.0~~

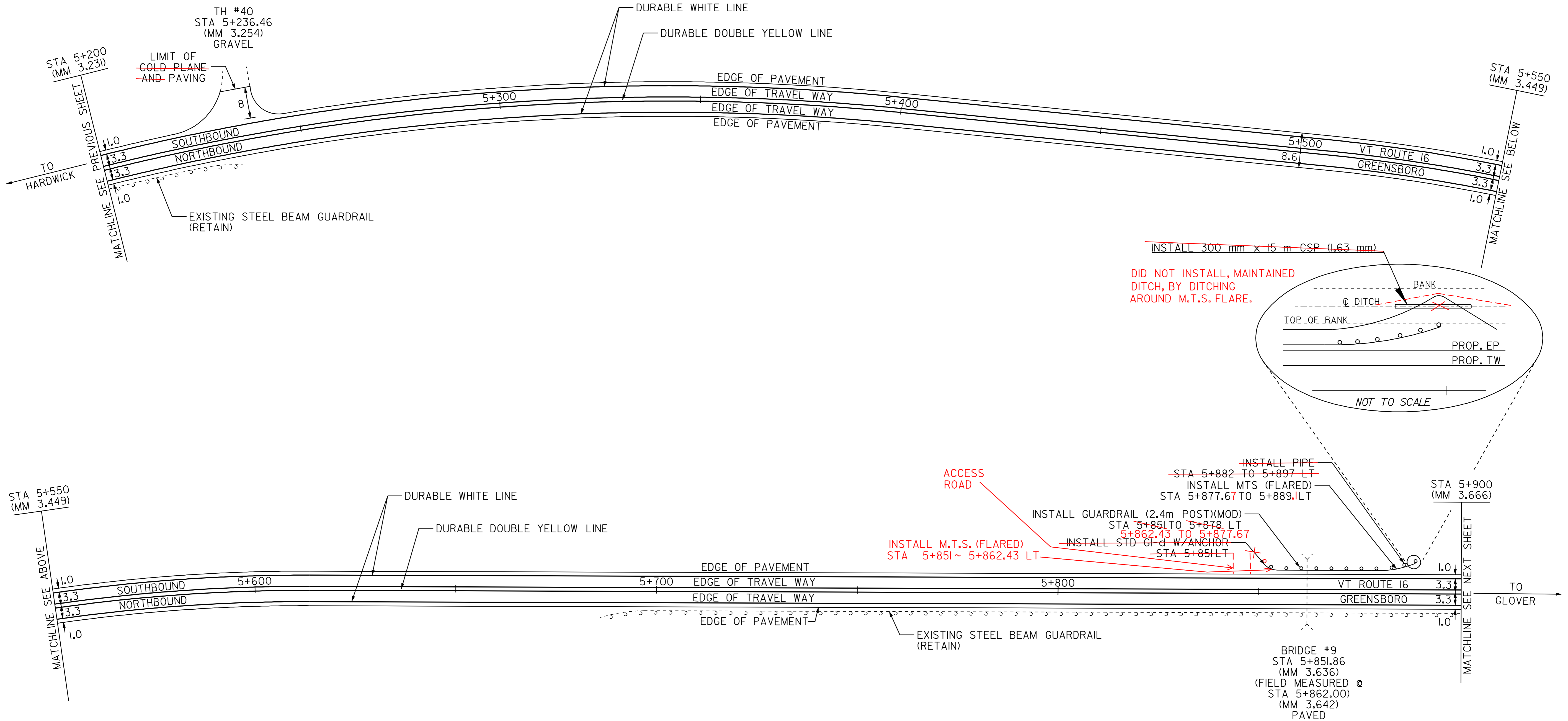
300mm CSP 1.63mm (68mm x 12mm)

~~STA 5+882 TO 5+897 LT~~

MANUFACTURED TERMINAL SECTION (FLARED)

STA 5+877.67 ~ 5+889.10 LT

STA 5+851 ~ 5+862.43 LT



~~INSTALL 300 mm x 15 m CSP (1.63 mm)~~
 DID NOT INSTALL, MAINTAINED
 DITCH, BY DITCHING
 AROUND M.T.S. FLARE.

ACCESS ROAD
 INSTALL PIPE
~~STA 5+882 TO 5+897 LT~~
 INSTALL MTS (FLARED)
 STA 5+877.67 TO 5+889.10 LT
 INSTALL GUARDRAIL (2.4m POST)(MOD.)
 STA 5+851 TO 5+878 LT
~~5+862.43 TO 5+877.67~~
 INSTALL STD C-I-B W/ANCHOR
~~STA 5+851 LT~~
 INSTALL M.T.S. (FLARED)
 STA 5+851 ~ 5+862.43 LT

BRIDGE #9
 STA 5+851.86
 (MM 3.636)
 (FIELD MEASURED @
 STA 5+862.00)
 (MM 3.642)
 PAVED

PAVEMENT CORES - ⊗

STA	TOTAL DEPTH (MM)	PCC
13 STA 5+575 RT 140		NO

DATUM

VERTICAL	N/A
HORIZONTAL	N/A

- 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

PROJECT: HARDWICK-GREENSBORO		PROJECT NO.: STP 2112(1)S
DESIGN FILE NAME: pave/98b106/pbl06.dgn	PLOT DATE: 10-JUL-2006 13:50	
IPARM FILE NAME: pbl061a22.i	SURVEY DATE: 6/99	
SURVEYED BY: CLD ENGINEERS, INC.	DRAWN BY: JPC	
SQUAD LEADER: WRH	SHEET: 31 OF 43	

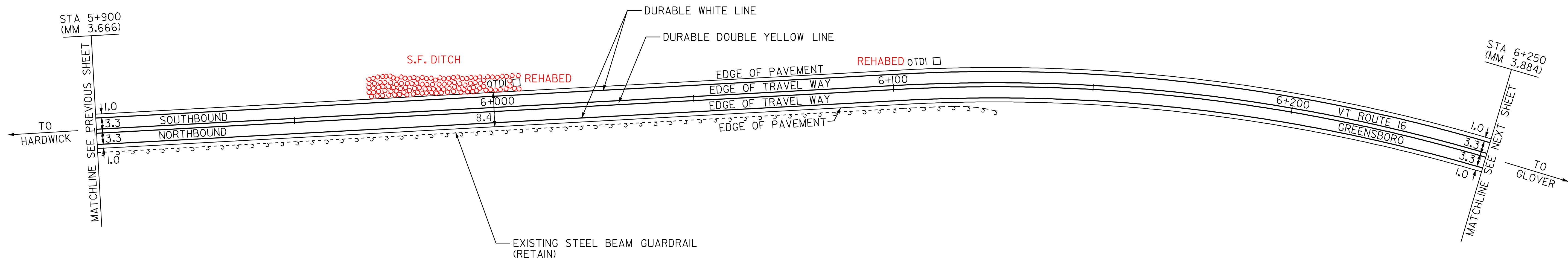
NOT TO SCALE

PAVING PROJECT LAYOUT #22

TEMPORARY AND DURABLE 100 mm YELLOW LINE
 STA 5+900 TO 6+250 SOLID LT & RT

TEMPORARY AND DURABLE 100 mm WHITE LINE
 STA 5+900 TO 6+250 SOLID LT & RT

~~CHANGING ELEV. OF DI, CB OR MH~~
 REHABILITATION OF DI, CB OR MH, CLASS I
 STA 6+006 LT
 STA 6+111 LT



PAVEMENT CORES	STA	TOTAL DEPTH (MM)	PCC
14	STA 6+181 LT	127	NO

DATUM
 VERTICAL N/A
 HORIZONTAL N/A

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

NOTE: ALL DIMENSIONS IN METERS EXCEPT AS INDICATED

PAVING PROJECT LAYOUT #23

PROJECT: HARDWICK-GREENSBORO	PROJECT NO.: STP 2112(1)S
DESIGN FILE NAME: pave/98b106/pb106.dgn	PLOT DATE: 10-JUL-2006 13:50
IPARM FILE NAME: pb106a23.i	SURVEY DATE: 6/99
SURVEYED BY: CLD ENGINEERS, INC.	DRAWN BY: JPC
SQUAD LEADER: WRH	SHEET: 32 OF 43

NOT TO SCALE

TEMPORARY AND DURABLE 100 mm YELLOW LINE
 STA 6+250 TO 6+464 SOLID LT & RT
 STA 6+476 TO 6+575 SOLID LT & RT

TEMPORARY AND DURABLE 100 mm WHITE LINE
 STA 6+250 TO 6+467 SOLID LT & RT
 STA 6+473 TO 6+575 SOLID LT & RT

REMOVAL & DISP. OF GUARDRAIL
 6+481.57 STA ~~6+481.0~~ ~ 6+493.0 RT
 6+511.57 STA ~~6+512.0~~ ~ 6+523.0 LT
 STA 6+479.0 ~ 6+490.43 RT
 6+548.57 STA ~~6+548.6~~ ~ 6+560.0 RT

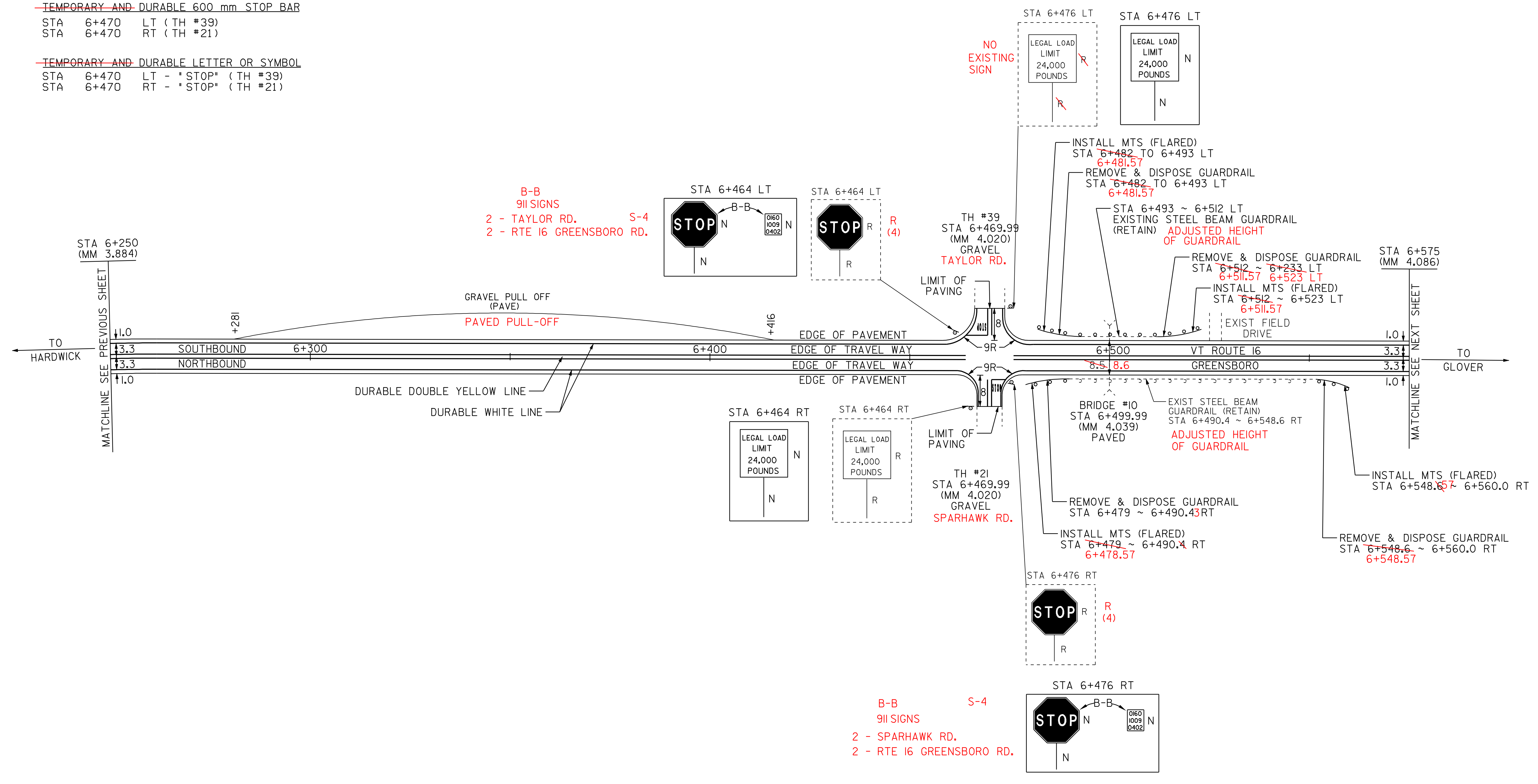
MANUFACTURED TERMINAL SECTION (FLARED)
 6+478.57 STA ~~6+479.0~~ ~ 6+490.4 RT
 6+481.57 STA ~~6+482.0~~ ~ 6+493.0 LT
 6+511.57 STA ~~6+512.0~~ ~ 6+523.0 LT
 6+548.57 STA ~~6+548.6~~ ~ 6+560.0 RT

REMOVING SIGNS
 AS SHOWN - 4 II

ERECTING SALVAGE SIGNS
 8

TEMPORARY AND DURABLE 600 mm STOP BAR
 STA 6+470 LT (TH #39)
 STA 6+470 RT (TH #21)

TEMPORARY AND DURABLE LETTER OR SYMBOL
 STA 6+470 LT - "STOP" (TH #39)
 STA 6+470 RT - "STOP" (TH #21)



LEGEND

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

NOTE: ALL DIMENSIONS IN METERS EXCEPT AS INDICATED

DATUM	
VERTICAL	N/A
HORIZONTAL	N/A

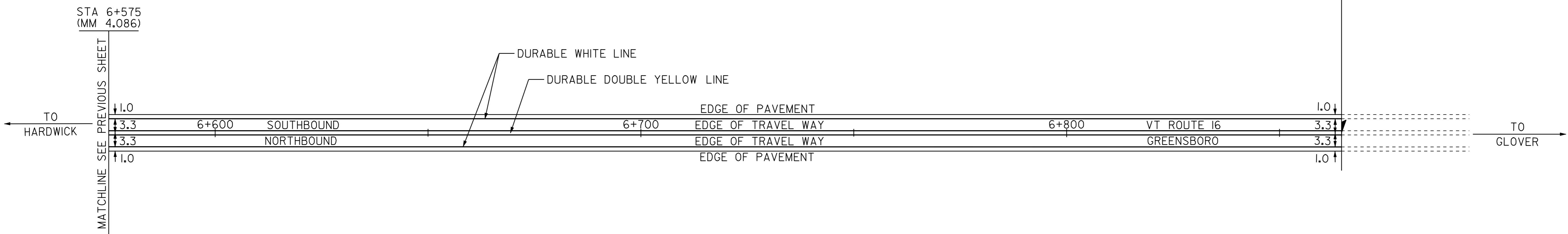
NOT TO SCALE

PAVING PROJECT LAYOUT #24	PROJECT: HARDWICK-GREENSBORO	PROJECT NO.: STP 2112(1)S
	DESIGN FILE NAME: pave/98b106/pbl06.dgn	PLOT DATE: 10-JUL-2006 13:50
	IPARM FILE NAME: pbl061a24.i	SURVEY DATE: 6/99
	SURVEYED BY: CLD ENGINEERS, INC.	DRAWN BY: JPC
	SQUAD LEADER: WRH	SHEET: 33 OF 43

TEMPORARY AND DURABLE 100 mm YELLOW LINE
 STA 6+575 TO ~~6+917~~ SOLID LT & RT
 6+933

TEMPORARY AND DURABLE 100 mm WHITE LINE
 STA 6+575 TO ~~6+917~~ SOLID LT & RT
 6+933

VT ROUTE 16
~~STA 6+917.00~~ 6+933.00
~~(MM 4.298)~~ 4.308
END PROJECT
STP 2112(1)S



PAVEMENT CORES - ⊗

STA	TOTAL DEPTH (MM)	PCC
15 STA 6+759 RT	108	NO

- 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 #25

PROJECT: HARDWICK-GREENSBORO	PROJECT NO.: STP 2112(1)S
DESIGN FILE NAME: pave/98b106/pbl06.dgn	PLOT DATE: 10-JUL-2006 13
IPARM FILE NAME: pbl061a25.i	SURVEY DATE: 6/99
SURVEYED BY: CLD ENGINEERS, INC.	DRAWN BY: JPC
SQUAD LEADER: WRH	SHEET: 34 OF 43

DATUM

VERTICAL	N/A
HORIZONTAL	N/A

NOT TO SCALE

TEMPORARY AND DURABLE 100 mm YELLOW LINE

STA 3+235 TO 3+256 SOLID LT & RT
 STA 3+262 DOUBLE SOLID LT (S.A. 7)
 STA 3+268 TO 3+340 SOLID LT & RT

TEMPORARY AND DURABLE 100 mm WHITE LINE

STA 3+235 TO 3+250 SOLID LT & RT
 STA 3+262 DOUBLE SOLID LT (S.A. 7)
 STA 3+274 TO 3+340 SOLID LT & RT

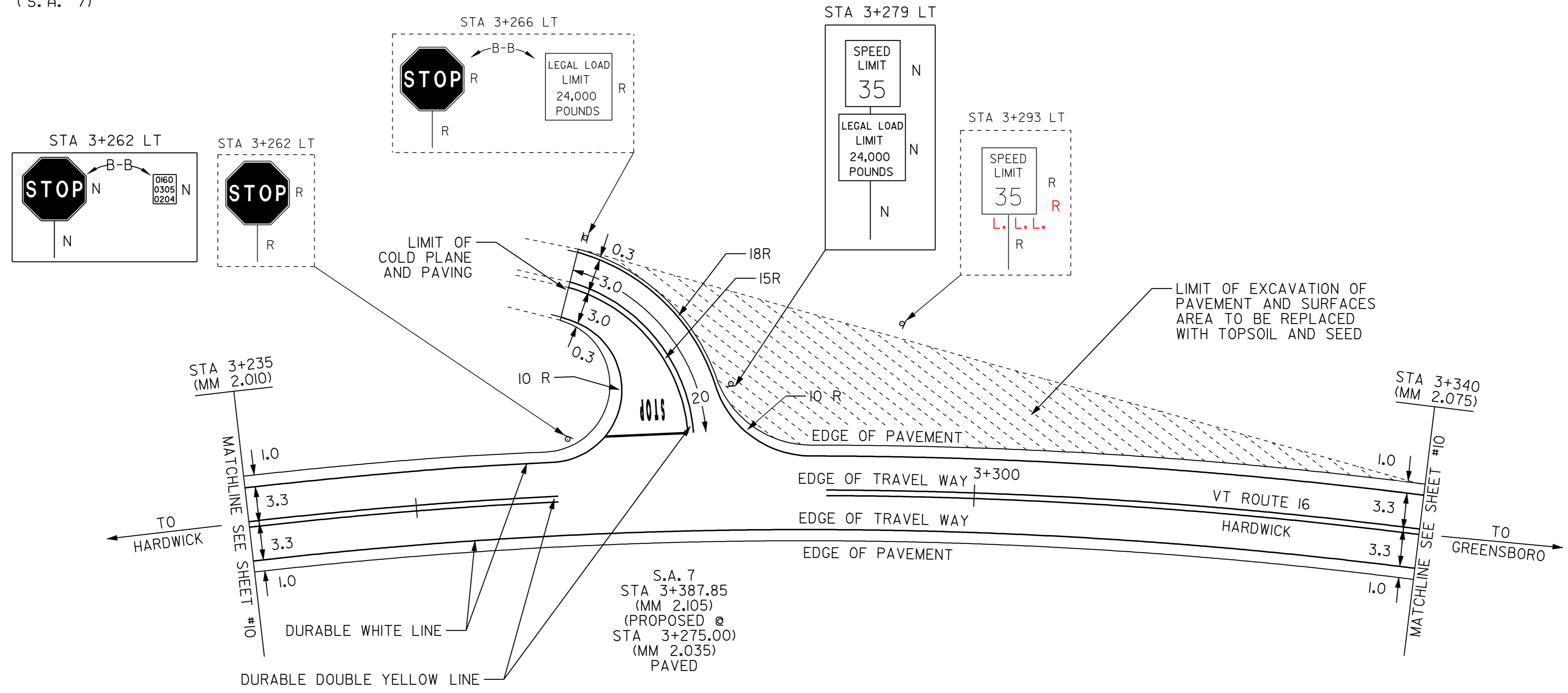
TEMPORARY AND DURABLE 600 mm STOP BAR

STA 3+275 LT (S.A. 7)

TEMPORARY AND DURABLE LETTER OR SYMBOL

STA 3+275 LT - "STOP" (S.A. 7)

REMOVING SIGNS
 AS SHOWN - 4



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: HARDWICK-GREENSBORO	PROJECT NO.: STP 2112(1)S
	DESIGN FILE NAME: pave/98b106/pbl06.dgn	PLOT DATE: 10-JUL-2006 13
	IPARM FILE NAME: pbl06d+02.1	SURVEY DATE: 6/99
	SURVEYED BY: CLD ENGINEERS, INC.	DRAWN BY: JPC
	SQUAD LEADER: WRH	SHEET: 35 OF 43

NOT TO SCALE

DATUM	
VERTICAL	N/A
HORIZONTAL	N/A

TEMPORARY AND DURABLE 100 mm YELLOW LINE

STA 3+465 TO 3+488 SOLID LT & RT
 STA 3+494 DOUBLE SOLID RT
 STA 3+500 TO 3+525 SOLID LT & RT

TEMPORARY AND DURABLE 100 mm WHITE LINE

STA 3+465 TO 3+482 SOLID LT & RT
 STA 3+506 TO 3+525 SOLID LT & RT

~~TEMPORARY AND DURABLE 600 mm STOP BAR~~

STA 3+494 RT (S.A. 1)

~~TEMPORARY AND DURABLE LETTER OR SYMBOL~~

STA 3+494 RT - "STOP" (S.A. 1)

STEEL BEAM GUARDRAIL
 3+501.24 STA 3+486 TO 3+525 LT

REMOVAL & DISP. OF GUARDRAIL
 STA 3+486 TO 3+525 LT

~~ANCHOR FOR STEEL BEAM GUARDRAIL~~
~~STA 3+486 LT~~

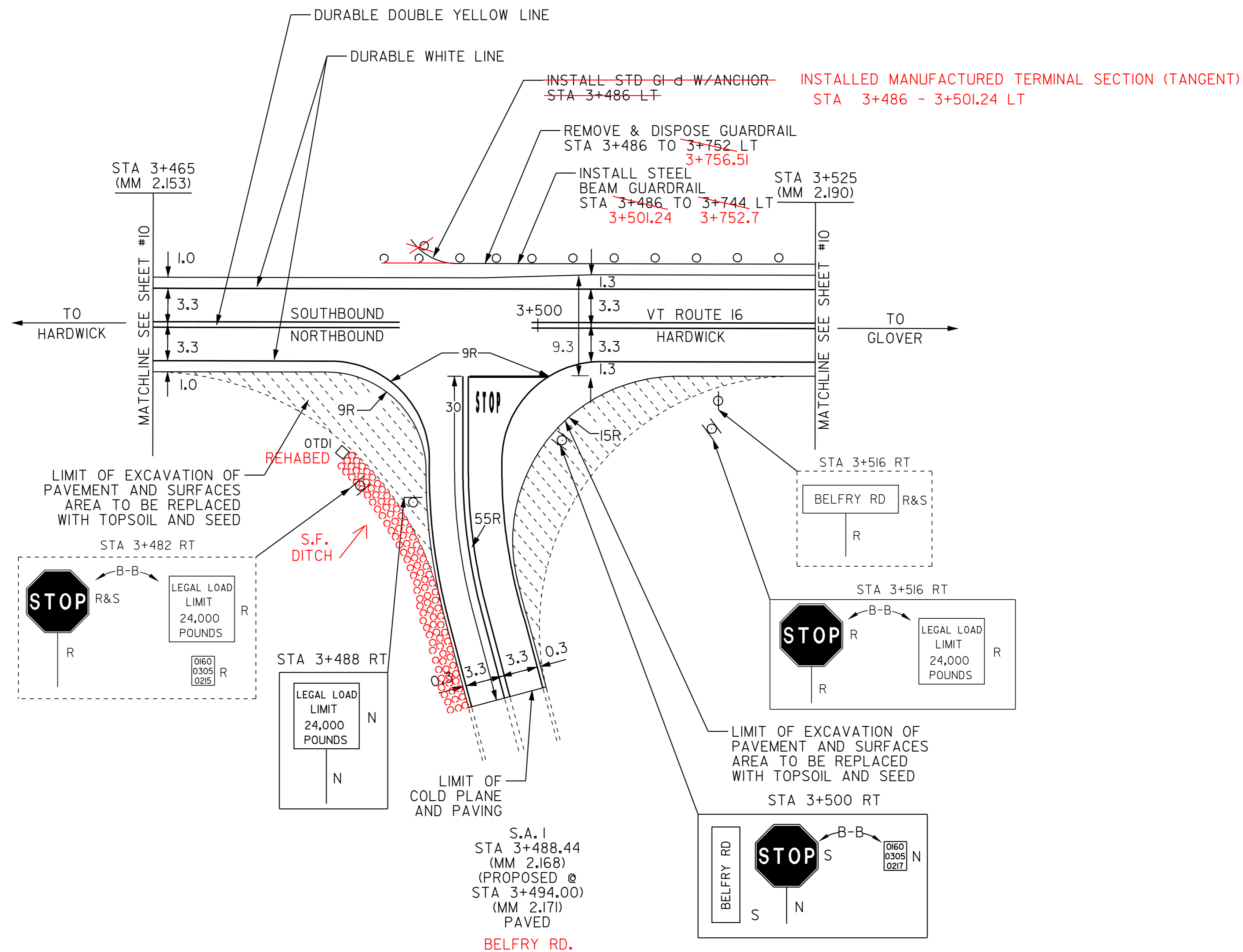
MANUFACTURED TERMINAL SECTION (TANGENT)
 STA 3+486 - 3+501.24 LT

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

STA 3+480 RT

REMOVING SIGNS
 AS SHOWN - 6

ERECTING SALVAGED SIGNS
 AS SHOWN - 2



S.A. 1
 STA 3+488.44
 (MM 2.168)
 (PROPOSED @
 STA 3+494.00)
 (MM 2.171)
 PAVED
 BELFRY RD.

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
- S.F. = STONE FILL

NOTE: ALL DIMENSIONS IN METERS EXCEPT AS INDICATED

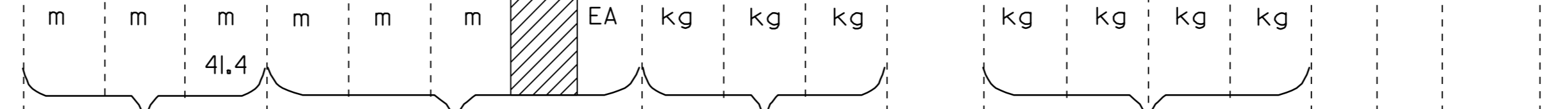
**INTERSECTION
 DETAIL #2**

PROJECT: HARDWICK-GREENSBORO	PROJECT NO.: STP 2112(1)S
DESIGN FILE NAME: pave/98b106/pbl06.dgn	PLOT DATE: 10-JUL-2006 13
IPARM FILE NAME: pbl06d+03.1	SURVEY DATE: 6/99
SURVEYED BY: CLD ENGINEERS, INC.	DRAWN BY: JPC
SQUAD LEADER: WRH	SHEET: 36 OF 43

NOT TO SCALE

DATUM	
VERTICAL	N/A
HORIZONTAL	N/A

KILOMETER MARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS		NEW & SALVAGED SIGNS				EXIST POST RETAIN	SALVAGED	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-ACTION	75	89	100	125	FTG. SIZE					WEIGHT	POST SIZE	
																										kg/m							kg/m
STA 4+954 LT	BAYLEY-HAZEN RD					1				1	X	X														SALVAGED SIGN TO BE INSTALLED USING TOP MOUNTING BRACKET, MOUNTED 0.3M FROM AND PERPENDICULAR TO TOP OF STOP SIGN							
	0160 0305 0309	1	750	750	0.56																					BACK TO BACK		E-143M E-138M					
STA 4+960 LT	LEGAL LOAD LIMIT 24,000 POUNDS	1	600	750	0.45					1	X	X																E-141M					
STA 5+416 RT	LEGAL LOAD LIMIT 24,000 POUNDS	1	600	750	0.45					1	X	X																E-141M					
STA 5+426 RT	MICHAUD FARM RD					1				1	X	X														SALVAGED SIGN TO BE INSTALLED USING TOP MOUNTING BRACKET, MOUNTED 0.3M FROM AND PERPENDICULAR TO TOP OF STOP SIGN							
	0160 0305 0337	1	750	750	0.56																					BACK TO BACK		E-143M					
STA 6+095 LT	DIMICK RD	1	230	610	0.14					1	X	X	X													SALVAGED SIGN TO BE NEW SALVAGED SIGN TO BE INSTALLED USING TOP MOUNTING BRACKET, MOUNTED 0.3M FROM AND PERPENDICULAR TO TOP OF STOP SIGN							
	0160 0305 0379	1	750	750	0.56																					BACK TO BACK		E-143M E-138M					
STA 6+105 LT	LEGAL LOAD LIMIT 24,000 POUNDS	1	600	750	0.45					1	X	X																E-141M					
STA 6+827 RT	LEGAL LOAD LIMIT 24,000 POUNDS	1	600	750	0.45					1	X	X																E-141M					
STA 6+842 RT	0160 0305 0425	1	750	750	0.56					1	X	X														BACK TO BACK		E-143M E-138M					
GREENSBORO																																	
STA 0+045 LT	R & S 0160 1009 0003	1	750	750	0.56					1	X	X														BACK TO BACK		E-143M					



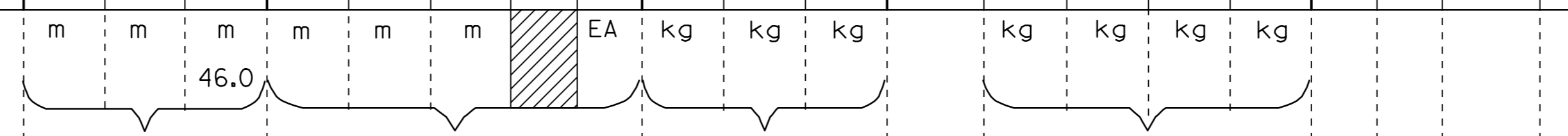
FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE TRAFFIC & SAFETY DIVISION'S "SIGN POST DESIGN GUIDELINE."

TOTALS

m ²	m ²	EA.	m ²	EA.	m	m	kg	EA.	kg	EA.	EA.	kg
4.37	4.69	63			41.4	41.4						

PROJECT : HARDWICK-GREENSBORO PROJECT NO. : STP_2112(1)S
 DESIGN FILE NAME: pave/98bl06/pbl06.dgn IPARM FILE NAME: pbl06ts02.i PLOT DATE: 10-JUL-2006 13
 SURVEYED BY: CLD ENGINEERS, INC. SURVEY DATE: 6/99
 SQUAD LEADER: WRH DRAWN BY: JPC
 SHEET: 38 OF 43

KILOMETER MARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS			NEW & SALVAGED SIGNS				EXIST POST RETAIN	SALVAGE	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		FRAMING SIGN		REQUIRED	DETAIL ON SHEET NUMBER	STD. SHEET NUMBER					
												1.7	kg/m		3.4	44	50	63	75	100	100 MOD	FOUNDATION	75	kg/m		100						125	FTG. SIZE		WEIGHT	POST SIZE
													3.0	4.5										3.9	5.0								1.9	2.5		
STA 0+055 LT		1	600	750	0.45						1		X	X																	E-141M					
STA 0+505 LT		1	750	750	0.56						1		X	X																BACK TO BACK	E-143M					
STA 0+510 RT		1	600	750	0.45						1		X	X																E-142M						
		1	600	750	0.45																										E-141M					
STA 0+521 LT		1	600	750	0.45						1		X	X																E-142M						
		1	600	750	0.45																										E-141M					
STA 0+530 RT		1	750	750	0.56						1		X	X																BACK TO BACK	E-143M E-138M					
		1	150	290 254	0.038																															
STA 2+020 RT		1	600	750	0.45						1		X	X																	E-141M					
STA 2+056 RT		1	750	750	0.56						1		X	X																	BACK TO BACK	E-143M E-138M				
		1	150	290 254	0.038																															
STA 2+969 LT		1	750	750	0.56						1		X	X																	BACK TO BACK	E-143M				
		1	150	254	0.038																															
STA 2+996 LT		1	750	750	0.56						1		X	X																	BACK TO BACK	E-143M E-141M				
		1	600	750	0.45																															
STA 3+058 LT		1	750	750	0.56						1		X	X																	BACK TO BACK	E-143M E-138M				
		1	150	290 254	0.038																															



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."

TOTALS	EA	m ²	m ²	EA	m ²	m	m	kg	EA	kg	EA	EA	kg
	4.34	6.60	5.2	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0

PROJECT : HARDWICK-GREENSBORO PROJECT NO. : STP_2112(1)S

DESIGN FILE NAME: pave/98bl06/pbl06.dgn PLOT DATE: 10-JUL-2006 13

IPARM FILE NAME: pbl06ts03.1 SURVEYED BY: CLD ENGINEERS, INC. SURVEY DATE: 6/99

SQUAD LEADER: WRH DRAWN BY: JPC

SHEET: 39 OF 43

KILOMETER MARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS		NEW & SALVAGED SIGNS				EXIST POST RETAIN	SALVAGE	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
STA 3+066 LT	LEGAL LOAD LIMIT 24,000 POUNDS	1	600	750	0.45					1			X		X																	
STA 3+309 RT	LEGAL LOAD LIMIT 24,000 POUNDS	1	600	750	0.45					1			X		X																	E-141M
STA 3+319 RT	0160 1009 0206	1	750	750	0.56					1			X		X																E-143M E-138M	
STA 3+492 LT	0160 1009 0217	1	750	750	0.56					1			X		X																E-143M E-138M	
STA 3+502 LT	LEGAL LOAD LIMIT 24,000 POUNDS	1	600	750	0.45					1			X		X																	E-141M
STA 6+464 LT	0160 1009 0402	1	750	750	0.56					1			X		X																E-143M E-138M	
STA 6+464 RT	LEGAL LOAD LIMIT 24,000 POUNDS	1	600	750	0.45					1			X		X																	E-141M
STA 6+476 LT	LEGAL LOAD LIMIT 24,000 POUNDS	1	600	750	0.45					1			X		X																	E-141M
STA 6+476 RT	0160 1009 0402	1	750	750	0.56					1			X		X																	E-143M E-138M
SUBTOTALS SHEET 37					3.41	3.88							36.8		36.8																	
SUBTOTALS SHEET 38					4.37	4.69							41.4		41.4																	
SUBTOTALS SHEET 39					4.34	6.60							46.0		46.0																	
SUBTOTALS SHEET 40					4.64	4.61							41.4		41.4																	

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

PROJECT TOTALS	m ² 16.76 19.78	m ²	EA. 22 13	m ²		m 148.4 165.6	m 165.6	m 165.6	EA.	kg	kg	kg	kg	kg	kg	kg	kg	EA.	EA.	kg
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PROJECT : HARDWICK-GREENSBORO PROJECT NO. : STP_2112(1)S
 DESIGN FILE NAME: pave/98b106/pbl06.dgn IPARM FILE NAME: pbl06ts04.i PLOT DATE: 10-JUL-2006 13
 SURVEYED BY: CLD ENGINEERS, INC. SURVEY DATE: 6/99
 SQUAD LEADER: WRH DRAWN BY: JPC
 SHEET: 40 OF 43

BRIDGE QUANTITY SUMMARY

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
HARDWICK													
3+754	3+784	LT	2	150	34							30.48	FOR DETAILS SEE SHEET 42
3+764.12	3+794.60				30.48								
3+753	3+783	RT	2	150	34							30.48	FOR DETAILS SEE SHEET 42
3+762.10	3+792.58				30.48								
SUBTOTAL					68							60.8	
ROUNDING					61							61.0	
TOTALS					0							0.2	
TOTALS					68							61.0	
TOTALS					61								

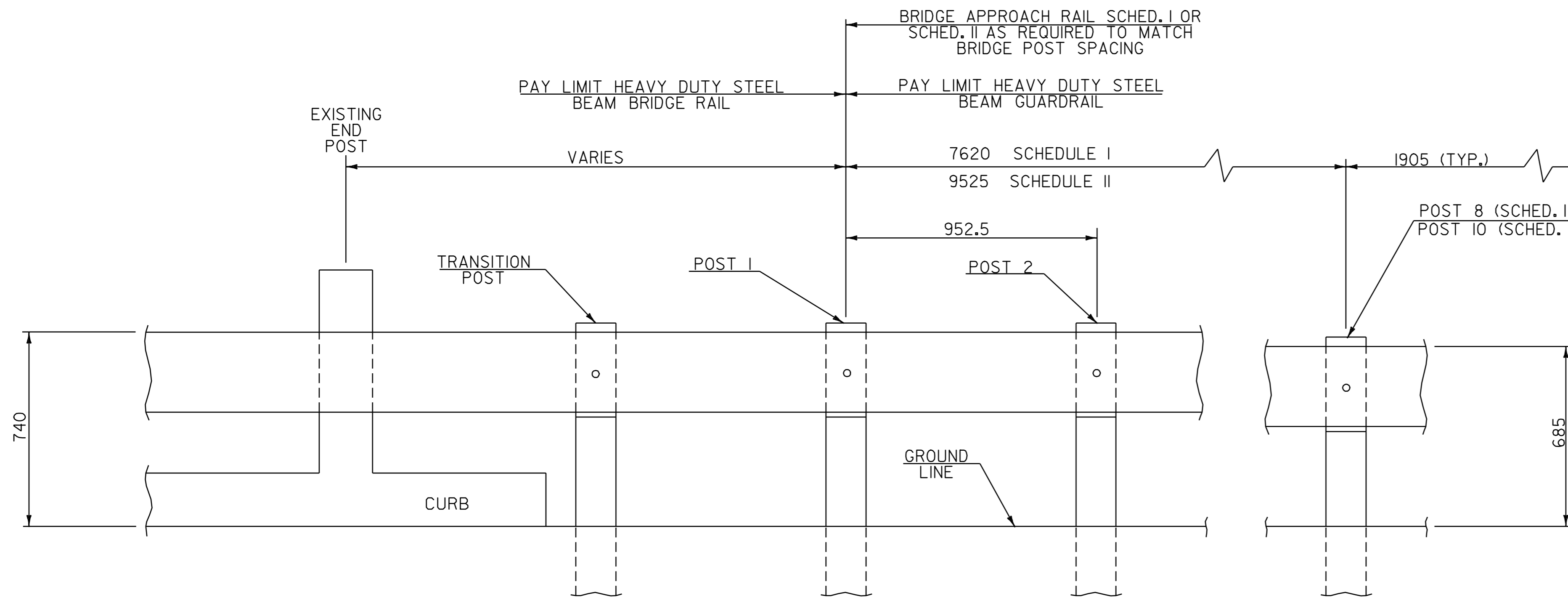
NOTES

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, SCHEDULE I OR 9.52 METERS, 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 THE GUARDRAIL 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 GRADE 345 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)

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.



BRIDGE APPROACH RAILING

NOT TO SCALE

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.)

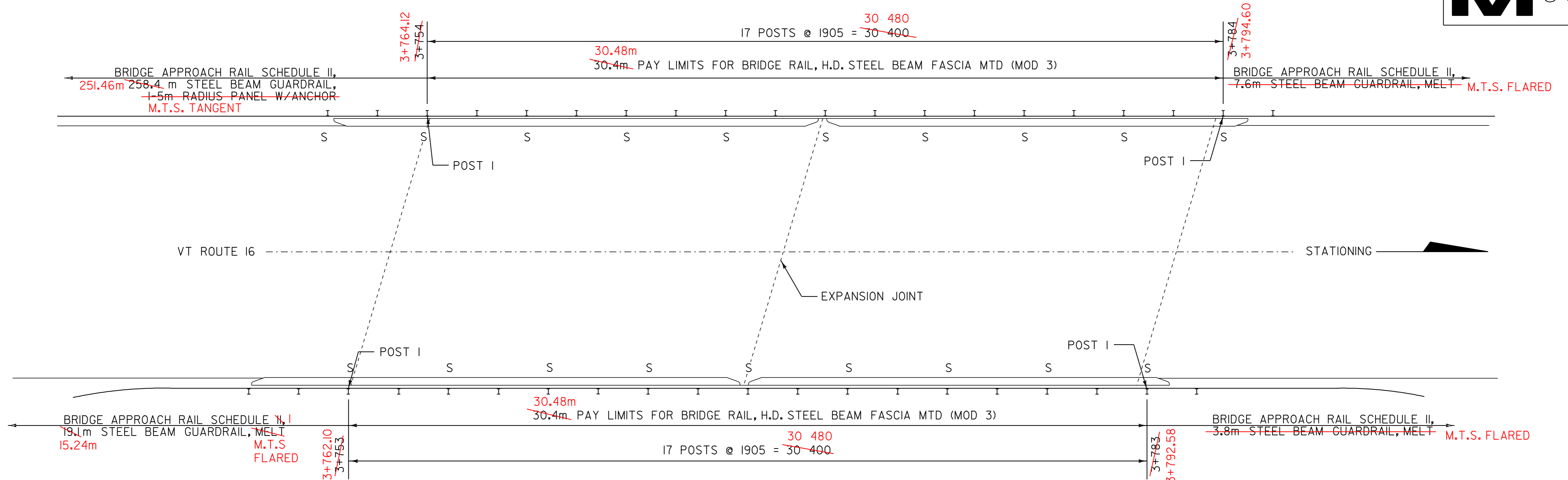
SCHEDULE II		
POST NO.	SPACING	PAYMENT FACTOR
1	952.5	1.4 x 5715
2	952.5	
3	952.5	
4	952.5	
5	952.5	
6	952.5	1.2 x 3810
7	1270	
8	1270	
9	1270	1.0 (TYP.)
10	1270	
11	1905 (TYP.)	

NOTE: ALL DIMENSIONS IN METERS EXCEPT AS INDICATED

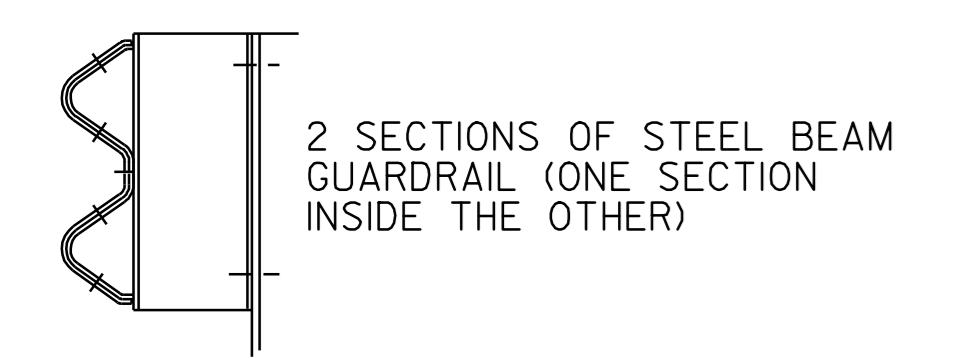
DATUM	
VERTICAL	N/A
HORIZONTAL	N/A

BRIDGE DETAIL SHEET #1	PROJECT: HARDWICK - GREENSBORO	PROJECT NO.: STP 2112 (1)S
	DESIGN FILE NAME: pave/98b106/pbl06.dgn	PLOT DATE: 10-JUL-2006 13
	IPARM FILE NAME: pbl06d104.l	SURVEY DATE: 7/98
	SURVEYED BY: CLD ENGINEERS, INC.	DRAWN BY: JPC
SQUAD LEADER: WRH	SHEET: 41 OF 43	

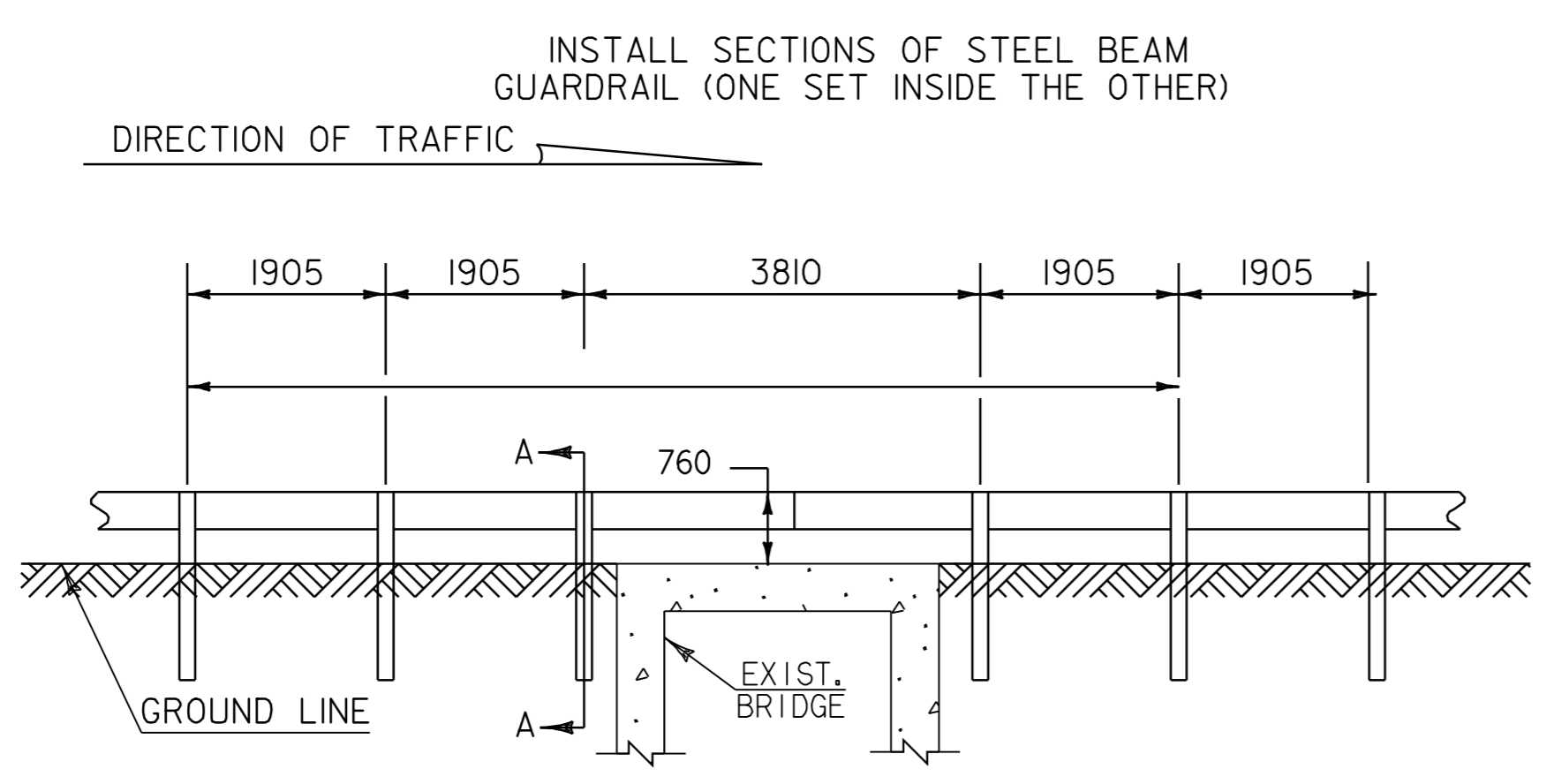
NOT TO SCALE



**BRIDGE #2
HARDWICK
STA 3+766.41
(MM 2.340)**



DETAIL A

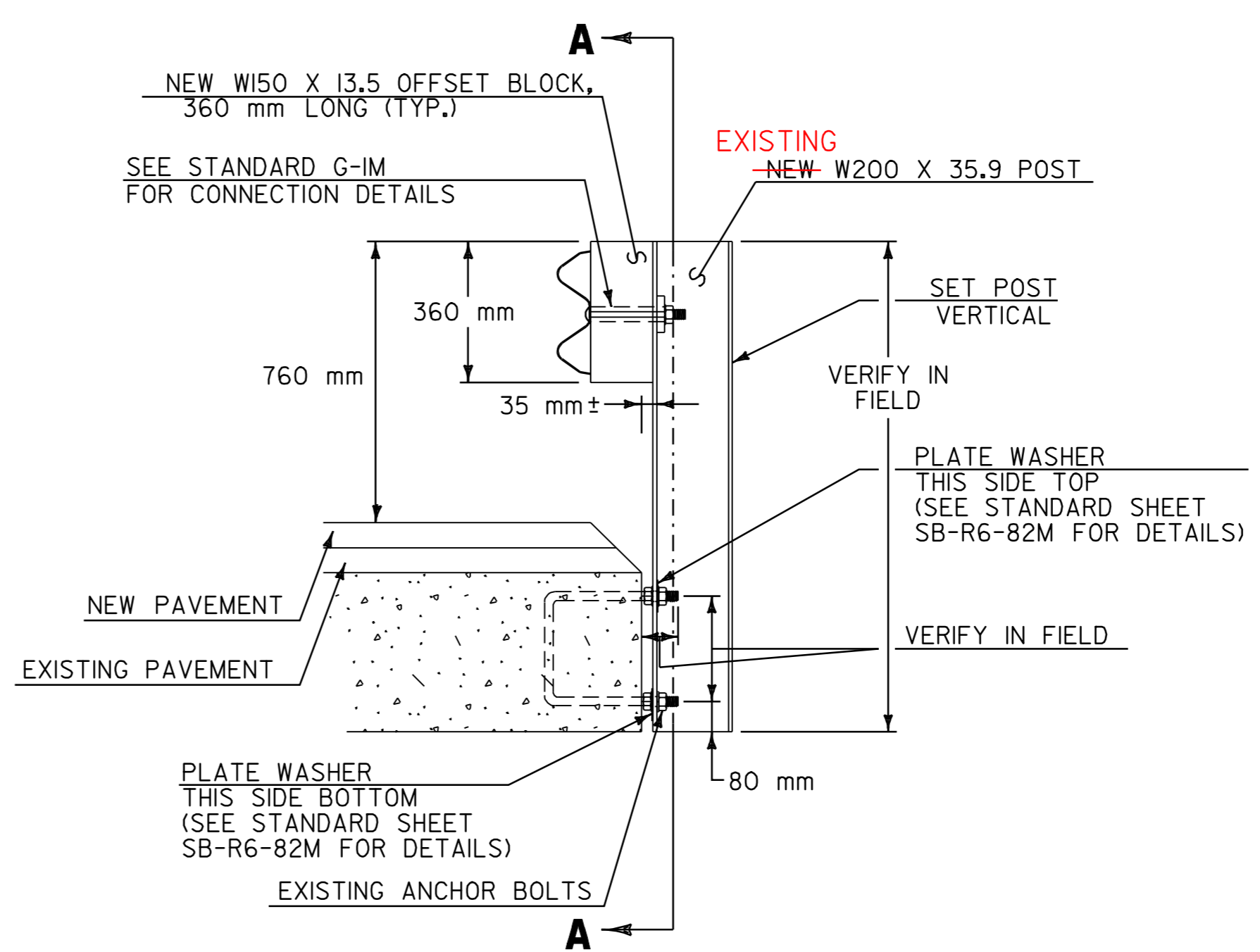


**DETAIL OF STEEL BEAM GUARDRAIL AT
BRIDGE #4 @ STA 1+362.76, GREENSBORO
(MM 0.847)**

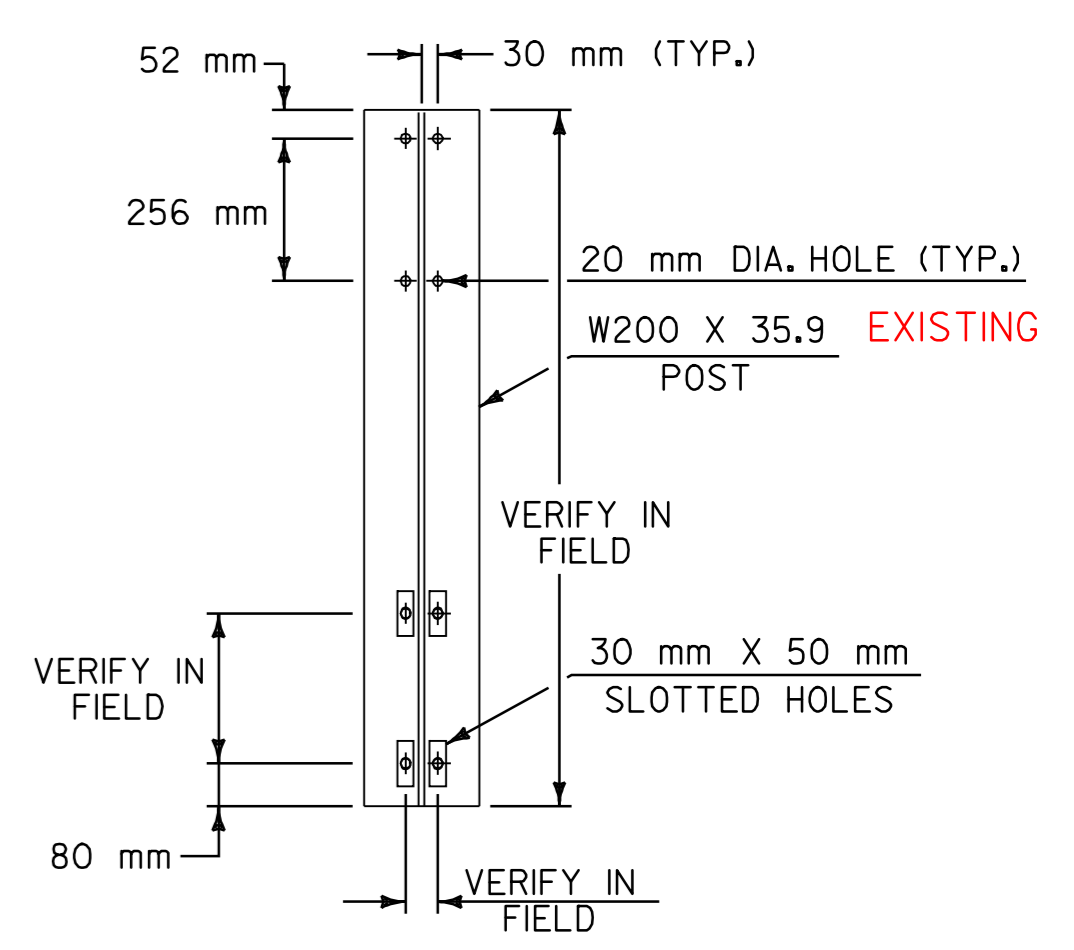
NOTES

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.

NOT TO SCALE



**BR 2 BRIDGE POST DETAIL
NOT TO SCALE**



SECTION A-A

NOTE: ALL DIMENSIONS IN METERS EXCEPT AS INDICATED

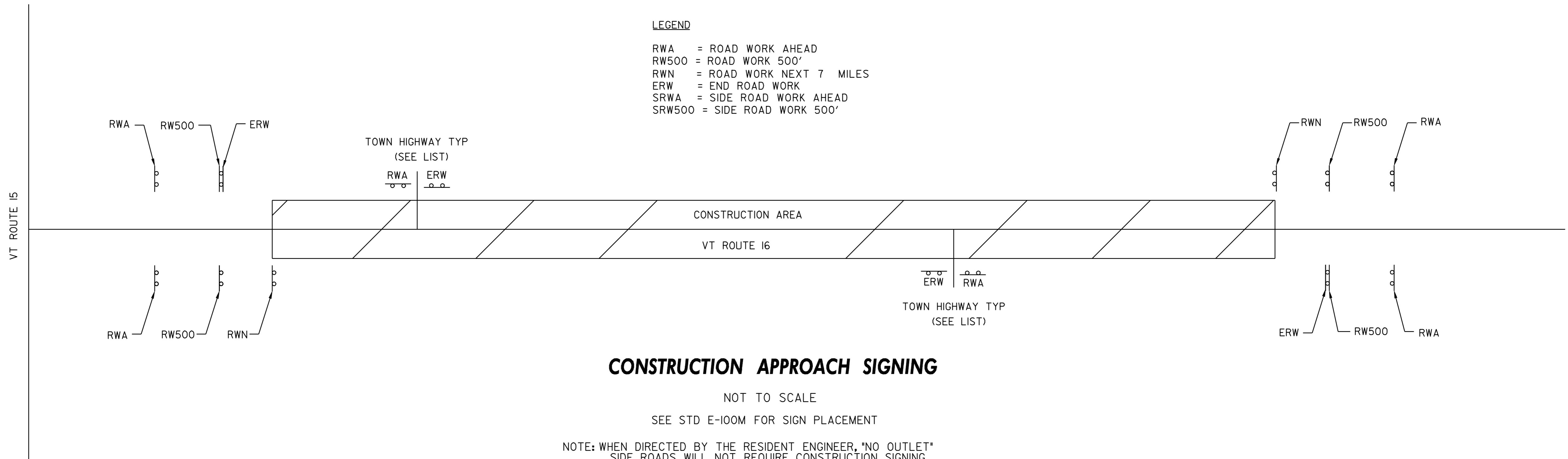
**BRIDGE
DETAIL
SHEET #2**

PROJECT: HARDWICK - GREENSBORO	PROJECT NO.: STP 2112 (1)S
DESIGN FILE NAME: pave/98b106/pb106.dgn	PLOT DATE: 10-JUL-2006 13
IPARM FILE NAME: pb106d105.i	SURVEY DATE: 7/98
SURVEYED BY: CLD ENGINEERS, INC.	DRAWN BY: JPC
SQUAD LEADER: WRH	SHEET: 42 OF 43

DATUM	
VERTICAL	N/A
HORIZONTAL	N/A

LEGEND

- RWA = ROAD WORK AHEAD
- RW500 = ROAD WORK 500'
- RWN = ROAD WORK NEXT 7 MILES
- ERW = END ROAD WORK
- SRWA = SIDE ROAD WORK AHEAD
- SRW500 = SIDE ROAD WORK 500'



LIST OF TOWN/STATE HIGHWAYS FOR CONSTRUCTION SIGNS

TOWN/STATE HIGHWAY NAME	ROAD WORK AHEAD	END ROAD WORK	ROAD WORK 500'	ROAD WORK NEXT 7 MILES	SIDE ROAD WORK AHEAD	SIDE ROAD WORK 500'	OTHER
<u>HARDWICK</u>							
S.A. 6	1	1					
TH #32	1	1					
S.A. 7	1	1					
S.A. 1	1	1					
TH #66							
TH #14	1	1					
TH #62	1	1					
TH #71	1	1					
S.A. 5	1	1					
<u>GREENSBORO</u>							
TH #63	1	1					
S.A. 1	1	1					
S.A. 1	1	1					
S.A. 4	1	1					
TH #54 LEG 1	1	1					
TH #54 LEG 2	1	1					
TH #56							
TH #66							
TH #44	1	1					
TH #68	1	1					
TH #40	1	1					
TH #39	1	1					
TH #21	1	1					
BEGINNING OF PROJECT	2	1	2	1			
END OF PROJECT	2	1	2	1			
TOTAL	23	21	4	2			

NOTE: ALL DIMENSIONS IN METERS EXCEPT AS INDICATED

CONSTRUCTION APPROACH SIGNING	PROJECT: HARDWICK-GREENSBORO	PROJECT NO.: STP 2112(1) S
	DESIGN FILE NAME: pave/98bl06/pbl06.dgn	PLOT DATE: 10-JUL-2006 13
	IPARM FILE NAME: pbl06cs.i	SURVEY DATE: 6/99
	SURVEYED BY: CLD ENGINEERS, INC.	DRAWN BY: JPC
	SQUAD LEADER: WRH	SHEET: 43 OF 43

DATUM	
VERTICAL	N/A
HORIZONTAL	N/A