

CB-1

ABBREVIATIONS

CTR CENTER
CE COMMERCIAL ENTRANCE
SDGL SPECIAL DITCH GRADE LEFT
SDGR SPECIAL DITCH GRADE RIGHT

STANDARD DETAIL DRAWINGS

SDD NUMBER	TITLE
8E8-2	TYPICAL INSTALLATIONS OF EROSION BALES
8E9-4	SILT FENCE

UTILITIES

ELECTRIC	WISCONSIN ELECTRIC POWER COMPANY P.O. BOX 1699 APPLETON, WISCONSIN 54913 ATTN: BUDGET ENGINEERING SUPERVISOR TELEPHONE: (414) 735-8445
TELEPHONE	AMERITECH 221 W. WASHINGTON STREET FOURTH FLOOR, OSPE APPLETON, WISCONSIN 54911 ATTN: MR. MICHAEL LOOMIS CABLE LOCATE: (800) 242-8511 (TOLL FREE)
GAS	WISCONSIN NATURAL GAS COMPANY 800 SOUTH LYNNDALE DRIVE APPLETON, WISCONSIN 54914 ATTN: MR. DENNIS GIRARD TELEPHONE: (414) 735-8466
WATER AND SANITARY SEWER	TOWN OF GREENVILLE P.O. BOX 60 GREENVILLE, WISCONSIN 54942 ATTN: MR. DON SCHINKE TELEPHONE: (414) 757-5151
DIGGERS HOTLINE	CABLE LOCATE TELEPHONE: (800) 242-8511 (TOLL FREE)
DNR LIAISON	MS. KELLEY O'CONNOR WDNR - LAKE MICHIGAN DISTRICT 1125 N. MILITARY AVENUE GREEN BAY, WISCONSIN 54307-0448 TELEPHONE: (414) 492-5819

COUNTY SURVEYOR OR SURVEYS CONTACT PERSON
MR. FRANK M. CHARLESWORTH - OUTAGAMIE COUNTY
OUTAGAMIE COUNTY COURT HOUSE
410 S. WALNUT STREET
APPLETON, WISCONSIN 54911
TELEPHONE: (414) 832-5255

STATE PROJECT NUMBER

SHEET NO.

1516-04-71

2.0

GENERAL NOTES, UTILITIES,
& STANDARD DETAIL DRAWINGS
CTH CB. OUTAGAMIE COUNTY

GENERAL NOTES

THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS AS SHOWN ON THE PLANS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT AREA THAT ARE NOT SHOWN.

NO TREES OR SHRUBS ARE TO BE REMOVED WITHOUT APPROVAL OF THE ENGINEER.

FILL AS SHOWN ON THE PLANS PERTAINS TO EMBANKMENTS CONSTRUCTED FROM UNCLASSIFIED EXCAVATION. THE ALLOWANCE USED FOR EXPANDING THE THE FILLS TO COMPUTE THE VOLUME OF MATERIAL REQUIRED IS 30 PERCENT. ALL FILL VOLUMES SHOWN ARE ACTUAL VOLUMES.

EXCAVATION BELOW SUBGRADE (EBS) IS SHOWN ON THE CROSS SECTIONS. IF ADDITIONAL EBS IS REQUIRED, IT SHALL BE PAID FOR AS UNCLASSIFIED EXCAVATION. EXACT LOCATIONS FOR EBS WILL BE DETERMINED BY THE ENGINEER.

DRIVEWAYS SHALL BE REPLACED IN KIND. CRUSHED LIMESTONE, IF NECESSARY, WILL BE PAID FOR AS CRUSHED AGGREGATE BASE COURSE.

ALL DISTURBED AREAS NOT OTHERWISE SURFACED SHALL BE TOPSOILED, SEEDED, FERTILIZED, AND MULCHED. SEED MIXTURE NO. 10 SHALL BE USED.

ALL SILT FENCE REQUIRED FOR THIS PROJECT SHALL MEET THE REQUIREMENTS FOR SILTY SOILS.

THE EXACT LOCATION AND LIMITS OF PRIVATE ENTRANCES AND COMMERCIAL ENTRANCES SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD.

TACK COAT HAS BEEN ESTIMATED AT AN APPLICATION RATE OF 0.025 GALLONS PER SQUARE YARD AND SHALL BE USED IF DEEMED NECESSARY BY THE ENGINEER.

ALL SIGNS WHICH ARE REMOVED FOR THIS PROJECT SHALL BECOME THE PROPERTY OF OUTAGAMIE COUNTY. CONTRACTOR SHALL COORDINATE WITH OUTAGAMIE COUNTY FOR A LOCATION TO PLACE REMOVED SIGNS.

CURVE DATA BASED ON ARC DEFINITION.

BEARINGS SHOWN ON THIS PLAN ARE GRID BEARINGS.

DISTANCES SHOWN ON THIS PLAN ARE GROUND DISTANCES.

CONVERSION FACTOR = 0.999935

PLAN ELEVATIONS = USGS DATUM.

ALL COORDINATES ON THIS PLAN ARE REFERENCED TO THE WISCONSIN COORDINATE SYSTEM, CENTRAL ZONE.

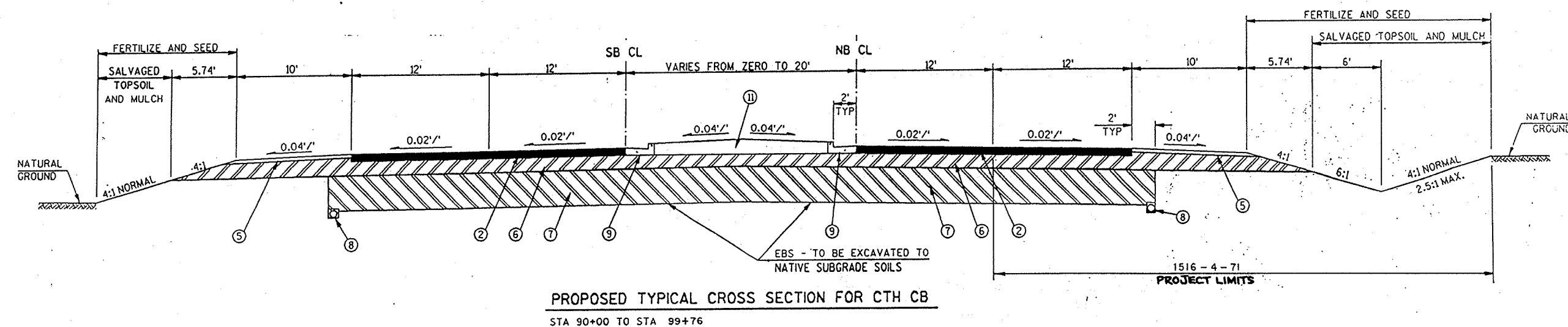
EROSION CONTROL GENERAL NOTE

RUNOFF COEFFICIENT FOR THIS PROJECT: EXISTING PAVEMENT 0.85, EXISTING SLOPES 0.30;
NEW PAVEMENT 0.90, NEW SLOPES 0.38. TOTAL PROJECT AREA 14.1 ACRES. TOTAL AREA
DISTURBED 11.7 ACRES.

STATE PROJECT NUMBER	SHEET NO.
1516-04-71	2.2
TYPICAL SECTION FOR	
CTH CB	OUTAGAMIE CO.

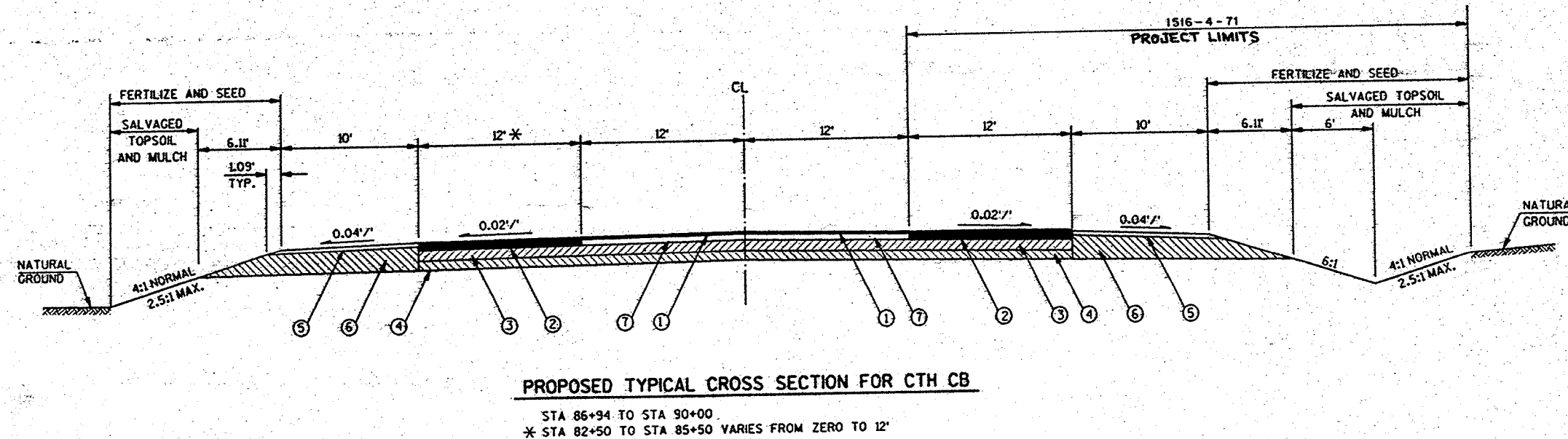
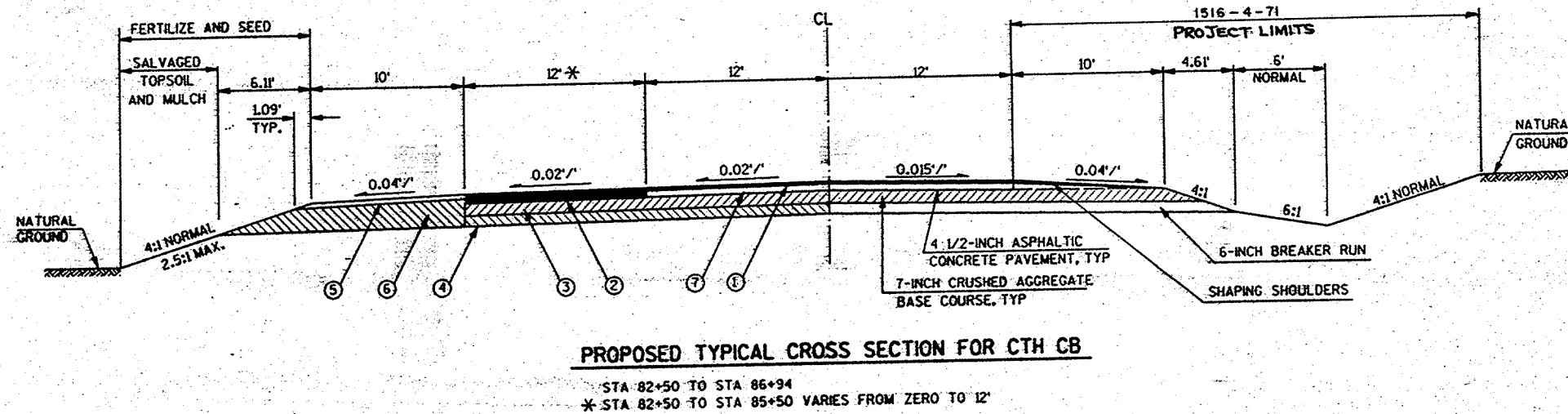
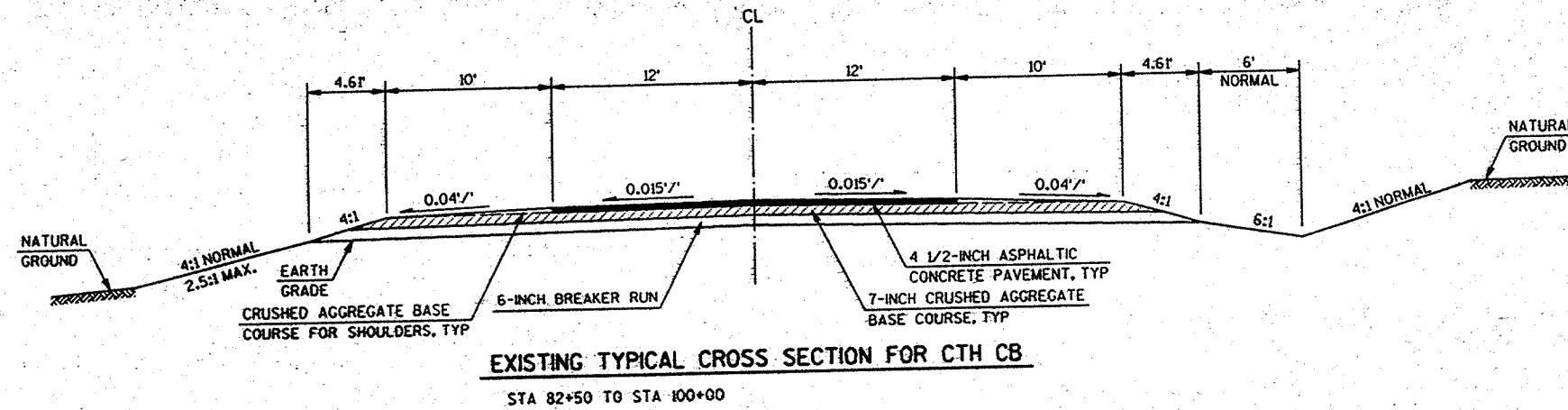
LEGEND

- ② 6 1/4-INCH ASPHALTIC CONCRETE PAVEMENT, TYPE HV (1 1/2-INCH UPPER COURSE OVER 1 3/4-INCH LOWER COURSE OVER 2 - 1 1/2-INCH LOWER COURSES)
- ⑤ 3-INCH CRUSHED AGGREGATE BASE COURSE, SHOULDERS
- ⑥ 12-INCH CRUSHED AGGREGATE BASE COURSE
- ⑦ 36-INCH MAX. (VARIABLE DEPTH) BREAKER RUN
- ⑧ PIPE UNDERDRAIN, 6-INCH OR 8-INCH (SEE PAVING DETAIL FOR LOCATIONS)
- ⑨ CONCRETE CURB AND GUTTER, 30-INCH, TYPE D
- ⑪ SALVAGED TOPSOIL, SEED, FERTILIZE AND MULCH

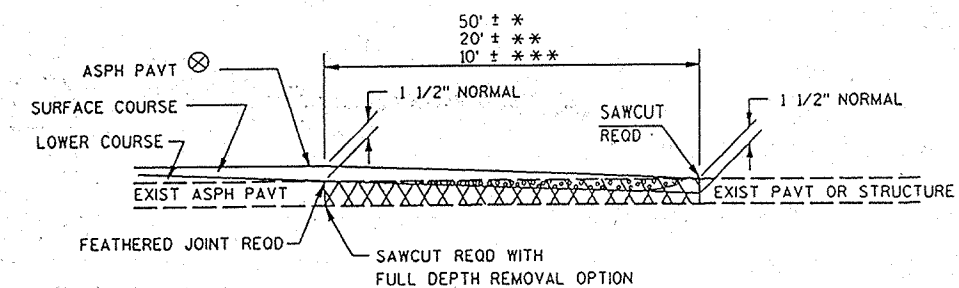
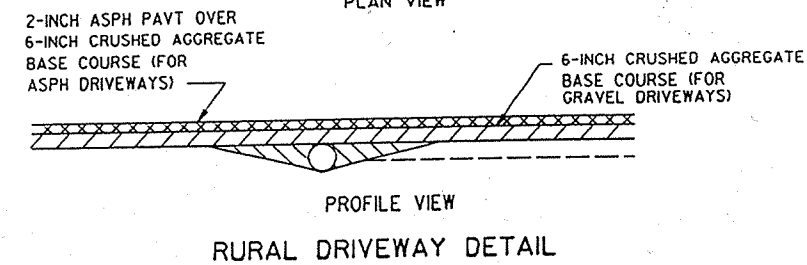
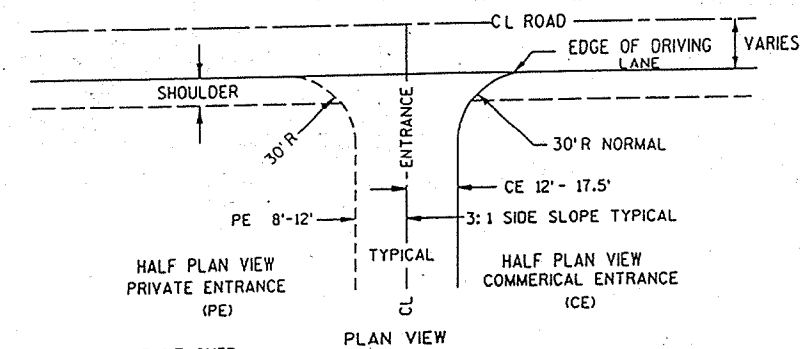


LEVELS ON = 01, 02, 03, 04, 05.

FILE NAME : ENGROWGSEI047A \E1047TS3.DGN
PLOT SCALE : 5/1" IN PLOT DATE : 02/95



- LEGEND**
- ① 1 3/4-INCH ASPHALTIC CONCRETE PAVEMENT OVERLAY, TYPE HV
 - ② 6 1/4-INCH ASPHALTIC CONCRETE PAVEMENT, TYPE HV (1 3/4-INCH UPPER COURSE OVER 3 - 1 1/2-INCH LOWER COURSES)
 - ③ 7-INCH EXISTING CRUSHED AGGREGATE BASE COURSE TO REMAIN IN PLACE
 - ④ 6-INCH EXISTING BREAKER RUN TO REMAIN IN PLACE
 - ⑤ 3-INCH CRUSHED AGGREGATE BASE COURSE, SHOULDERS
 - ⑥ CRUSHED AGGREGATE BASE COURSE
 - ⑦ 4 1/2-INCH EXISTING ASPHALTIC CONCRETE PAVEMENT



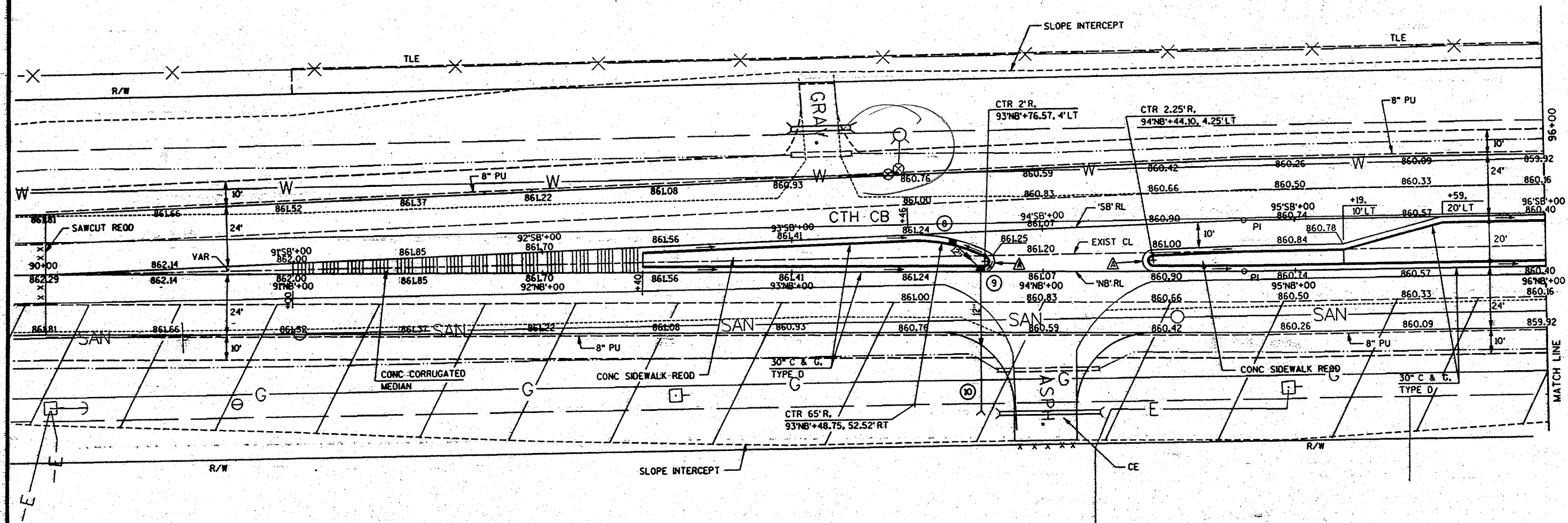
⊗ SEE TYPICAL CROSS SECTION
FOR PAVT TYPE AND THICKNESS
OF INDIVIDUAL COURSES

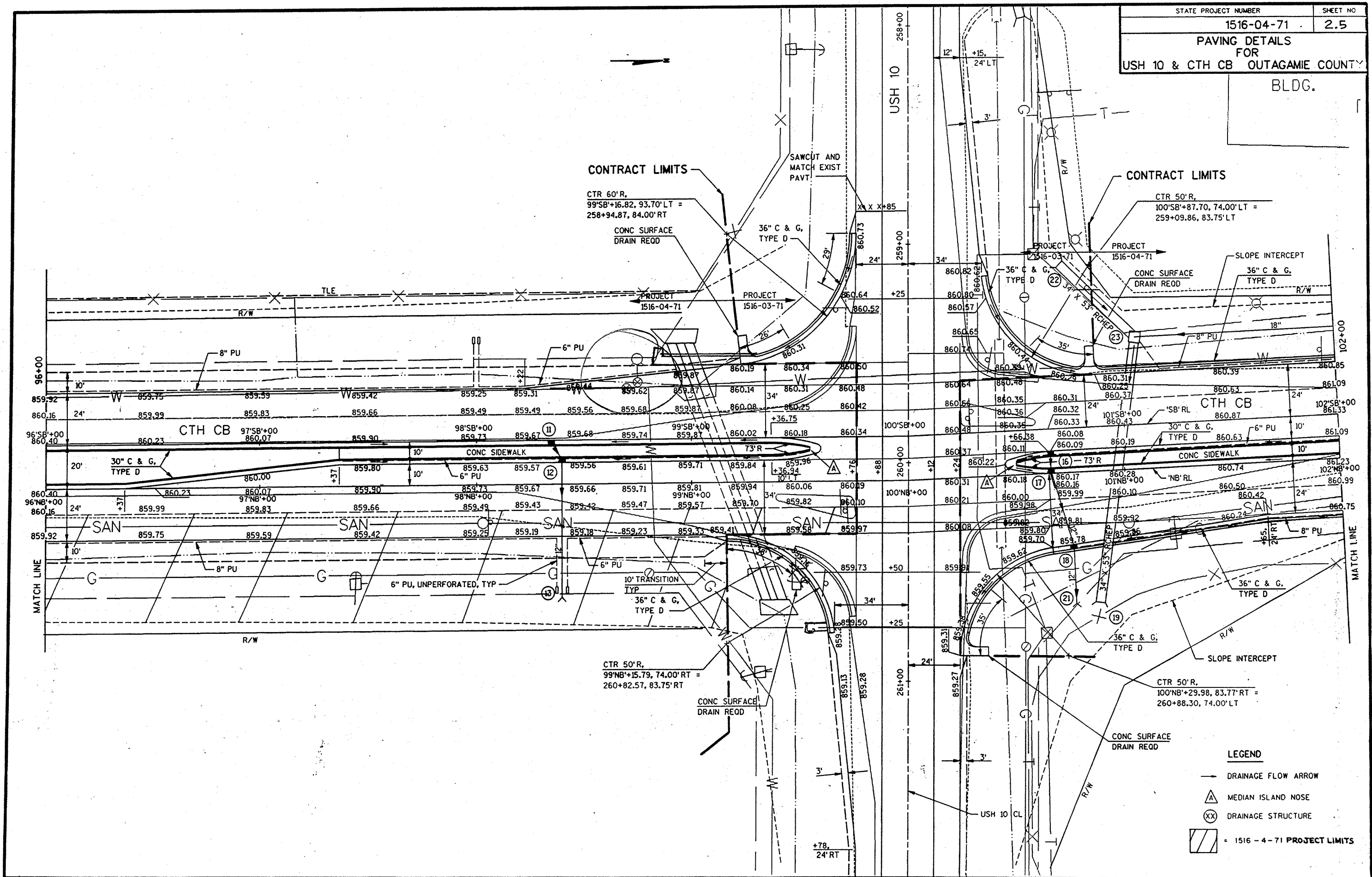
- REMOVING ASPHALTIC SURFACE, BUTT JOINTS
(FULL DEPTH REMOVAL OPTIONAL)
- ASPHALTIC WEDGING (FULL DEPTH REMOVAL OPTION)
- REMOVING ASPHALTIC SURFACE, BUTT JOINTS
(MILLING OPTION)

BUTT JOINT DETAIL FOR NON-MILLED ASPHALTIC PAVEMENTS

- * MAINLINE
- ** SIDEROADS
- *** PRIVATE ENTRANCES

LEVELS ON = 01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63





DATE 06/07/95

ESTIMATE OF QUANTITIES

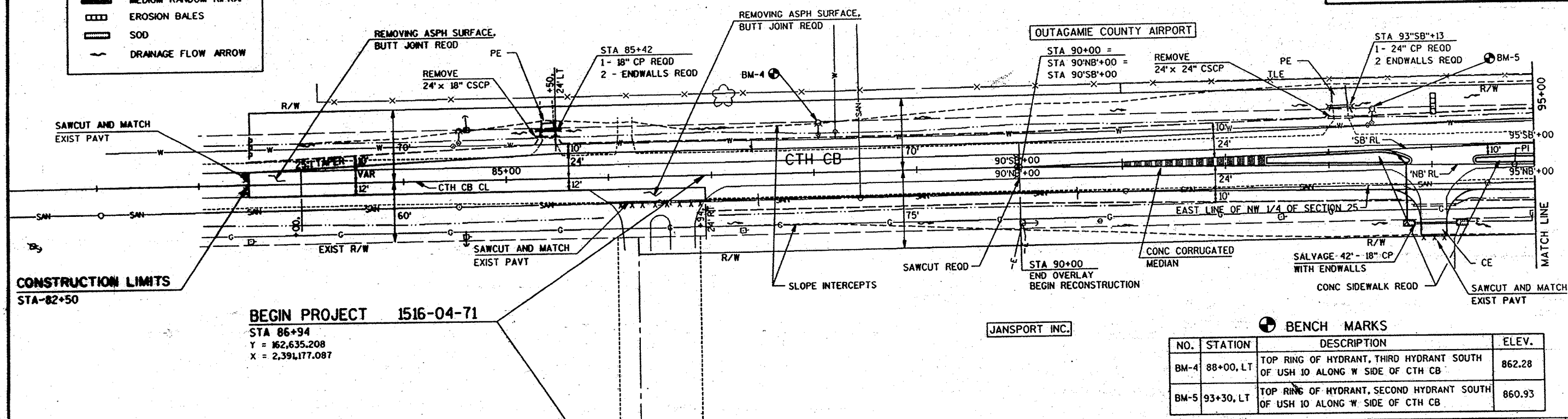
ITEM	ITEM DESCRIPTION	UNIT	TOTAL	1516-04-71 QUANTITY
20419	REMOVING ASPHALTIC SURFACE, BUTT JOINTS	S.Y.	270.00	270.00
20503	UNCLASSIFIED EXCAVATION	C.Y.	8,240.00	8,240.00
21101	PREPARATION OF FOUNDATION FOR ASPHALTIC PAVING	L.S.	1.00	1.00
21301	FINISHING ROADWAY	L.S.	1.00	1.00
30404	CRUSHED AGGREGATE BASE COURSE	TON	1,900.00	1,900.00
30409	SHAPING SHOULDERS	STA.	4.00	4.00
40204	ASPHALTIC MATERIAL FOR TACK COAT	GAL.	595.00	595.00
40501	ASPHALTIC MATERIAL FOR PLANT MIXES	TON	175.00	175.00
40712	ASPHALTIC CONCRETE PAVEMENT, TYPE HV	TON	2,910.00	2,910.00
62505	SALVAGED TOPSOIL	S.Y.	7,980.00	7,980.00
62702	MULCHING	S.Y.	7,980.00	7,980.00
62811	EROSION BALES, DELIVERED	EACH	10.00	10.00
62812	EROSION BALES, INSTALLED	EACH	10.00	10.00
62817	SILT FENCE MAINTENANCE	L.F.	40.00	40.00
62819	MOBILIZATIONS, EROSION CONTROL	EACH	1.00	1.00
62848	SILT FENCE, SILTY SOIL, DELIVERED	L.F.	20.00	20.00
62850	SILT FENCE, SILTY SOIL, INSTALLED	L.F.	20.00	20.00
62905	FERTILIZER, TYPE B	CWT.	5.00	5.00
63002	SEEDING	LB.	110.00	110.00
63101	SODDING	S.Y.	20.00	20.00
64601	SAVING EXISTING PAVEMENT	L.F.	170.00	170.00

SHEET 3

LEVELS ON = 01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63

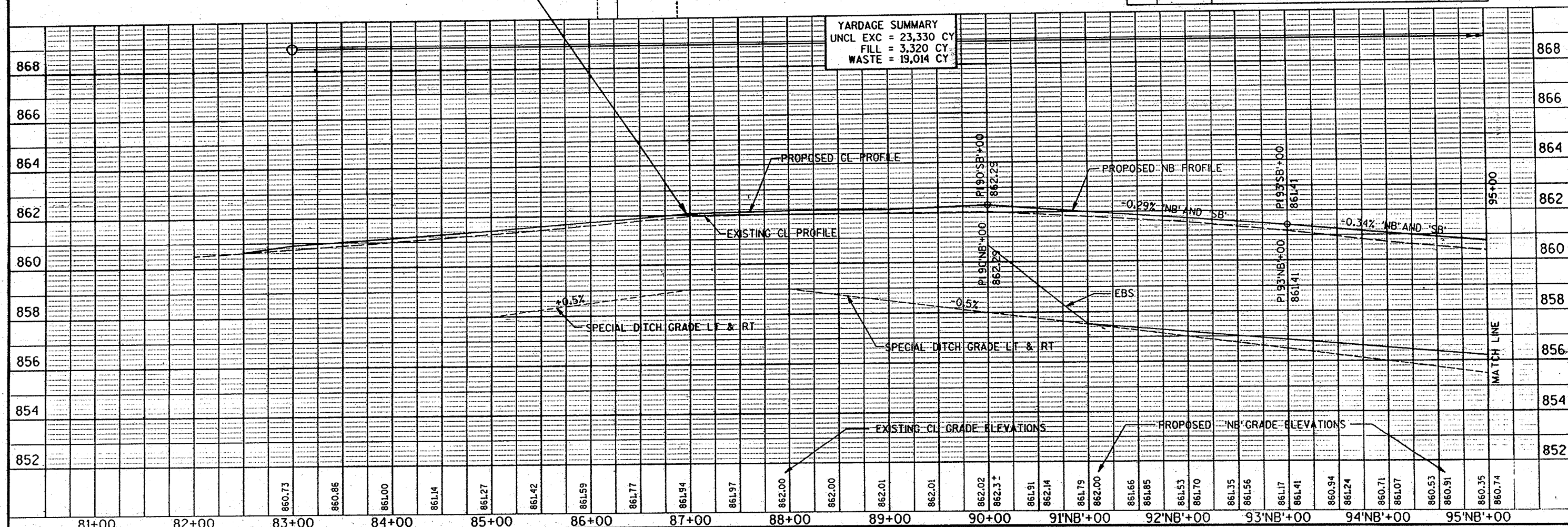
REMOVING ASPHALTIC SURFACE, BUTT JOINTS			SALVAGED TOPSOIL, MULCHING, FERTILIZER, TYPE B AND SEEDING						STATE PROJECT NUMBER 1516-04-71		SHEET NO. 3A	
STATION TO STATION LOCATION SY			STATION TO STATION LOCATION SY			SALVAGED TOPSOIL SY		MULCHING SY		FERTILIZER, TYPE B CWT		SEED, NO. 10 LBS
PROJECT 1516-04-71 (AUP)			PROJECT 1516-04-71 (AUP)									
82+50 - 83+00 CTH CB 133			82+50 - 99'NB'+76, LT CTH CB 4,330			4,330		3		60		
85+80 - 86+94, RT CTH CB 137			87+00 - 99'NB'+76, RT CTH CB 3,400			3,400		2		47		
TOTAL 270			95'NB'+19 - 97'NB'+37, MEDIAN CTH CB 250			250		---		3		
			TOTALS			7,980		7,980		5		110
UNCLASSIFIED EXCAVATION YARDAGE SUMMARY			EROSION CONTROL									
STATION TO STATION LOCATION UNCLASSIFIED EXCAVATION CY FILL CY WASTE CY			STATION LOCATION			SILTY TYPE SILT FENCE DELIVERED & INSTALLED LF		SILT FENCE MAINTENANCE LF		EROSION BALES DELIVERED & INSTALLED EACH		SODDING SY
PROJECT 1516-04-71 (AUP)			PROJECT 1516-04-71 (AUP)									
82+50 - 99'NB'+76 CTH CB 8,240 --- 8,240			82+50, LT CTH CB 20			40		---		---		
			94'SB'+00, LT CTH CB ---			---		---		5		---
			94'NB'+00, RT CTH CB ---			---		---		---		8
			95'NB'+00, RT CTH CB ---			---		---		5		---
PROJECT 1516-04-71 (NON-PARTICIPATING)			UNDISTRIBUTED ---			---		---		---		12
			TOTALS			20		40		10		20
SHAPING SHOULDERS												
PROJECT 1516-04-71 (AUP)												
STATION TO STATION LOCATION STA												
82+50 - 86+00 CTH CB 4												
SAWING EXISTING PAVEMENT												
STATION LOCATION LF												
PROJECT 1516-04-71 (AUP)												
82+50 CTH CB 25												
85+80 - 86+94 CTH CB 95												
90+00 CTH CB 25												
94'NB'+00, RT CTH CB 25												
TOTAL 170												
ASPHALTIC MATERIAL FOR TACK COAT AND PLANT MIXES												
ASPHALTIC CONCRETE PAVEMENT, TYPE HV												
STATION TO STATION LOCATION TONS MATERIAL FOR PLANT MIXES TONS TACK COAT GAL												
PROJECT 1516-04-71 (AUP)												
82+50 - 99'NB'+76 CTH CB 2,910 175 595												

- LEGEND**
- SILT FENCE
 - MEDIUM RANDOM RIPRAP
 - EROSION BALES
 - SOD
 - DRAINAGE FLOW ARROW



BENCH MARKS

NO.	STATION	DESCRIPTION	ELEV.
BM-4	88+00, LT	TOP RING OF HYDRANT, THIRD HYDRANT SOUTH OF USH 10 ALONG W SIDE OF CTH CB	862.28
BM-5	93+30, LT	TOP RING OF HYDRANT, SECOND HYDRANT SOUTH OF USH 10 ALONG W SIDE OF CTH CB	860.93

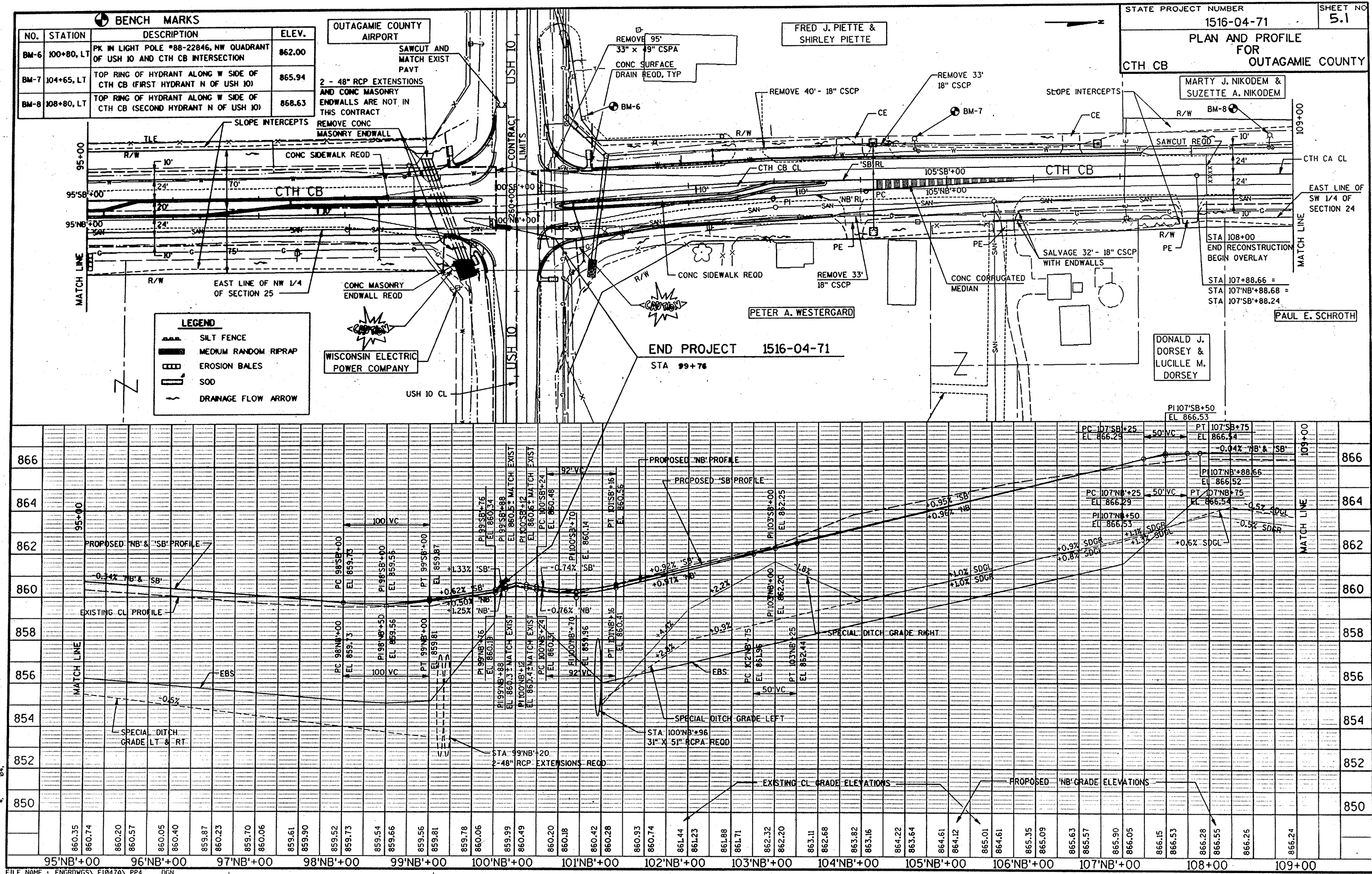


PLOT SCALE:

PLOT NAME:

REV. DATE:

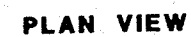
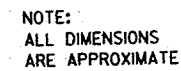
ORIGINATOR:



FILE NAME: ENGRDWS\1047A\PP4.DGN
PLOT SCALE: 50'/IN PLOT DATE: 2/95



EROSION BALES FOR SHEET FLOW

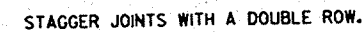


STAGGER JOINTS BETWEEN ADJACENT
ROWS OF BALES.



END TREATMENT ON SLOPES
TO BE SIMILAR TO CHANNEL
FLOW DETAIL.

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.



BOTTOM ELEVATION OF END BALE SHALL BE EQUAL TO OR GREATER THAN TOP OF LOWEST MIDDLE BALE.

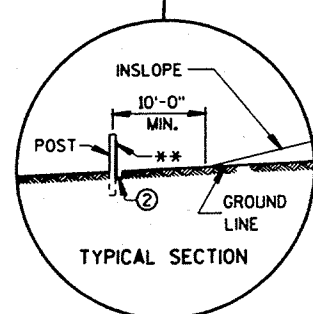
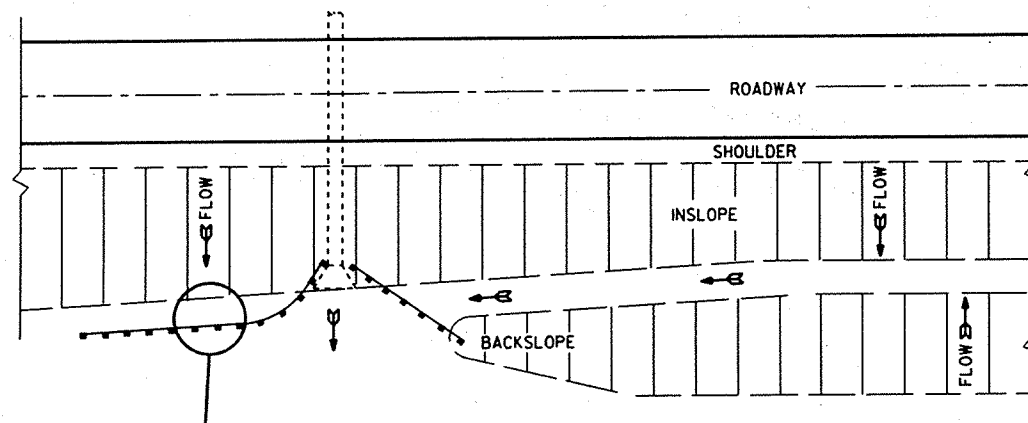
FRONT ELEVATION

EROSION BALES FOR CHANNEL FLOW

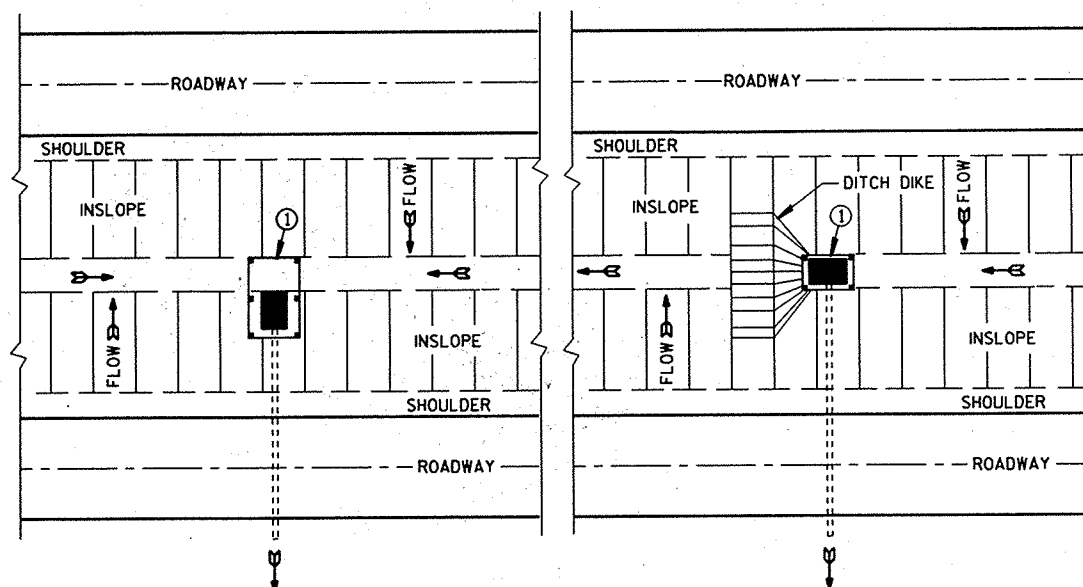
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
6/29/94 *Ray T. Thompson*
DATE CHIEF ROADWAY DEVELOPMENT ENGINEER

S.D.D. 8 E 8-2



PLAN VIEW
TYPICAL APPLICATIONS OF SILT FENCE

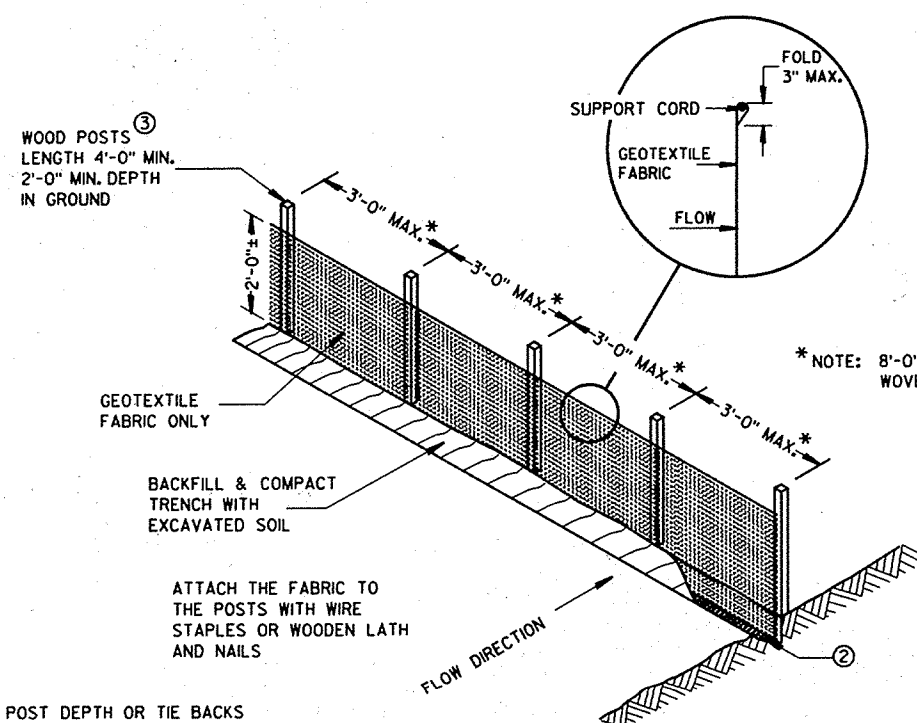


SITUATION 1

SITUATION 2

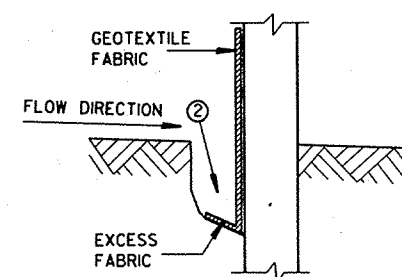
PLAN VIEW

SILT FENCE AT MEDIAN SURFACE DRAINS

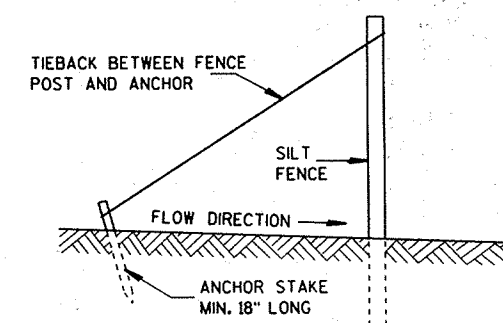


NOTE: ADDITIONAL POST DEPTH OR TIE BACKS MAY BE REQUIRED IN UNSTABLE SOILS

SILT FENCE
(NON-REINFORCED)



TRENCH DETAIL



SILT FENCE TIE BACK
(WHEN REQUIRED BY THE ENGINEER)

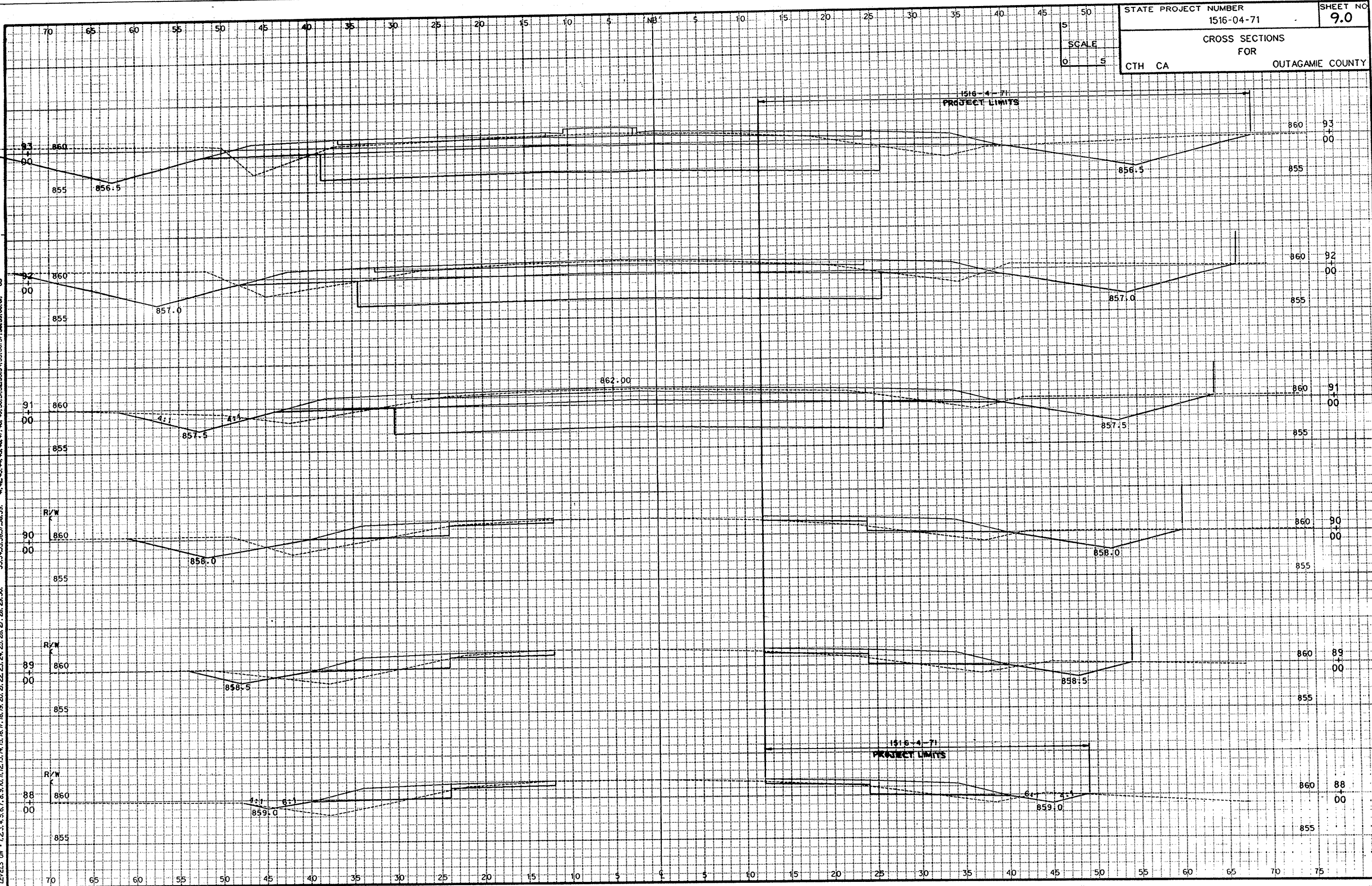
GENERAL NOTES

DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

- ① HORIZONTAL BRACE WITH 2" X 4" WOODEN FRAME OR EQUIVALENT AT TOP OF POSTS AS DIRECTED BY THE ENGINEER.
- ② TRENCH SHALL BE A MINIMUM OF 4" WIDE & 6" DEEP TO BURY AND ANCHOR THE GEOTEXTILE FABRIC. FOLD MATERIAL TO FIT TRENCH AND BACKFILL & COMPACT TRENCH WITH EXCAVATED SOIL.
- ③ WOOD POSTS SHALL BE A MINIMUM SIZE OF 1 1/8" X 1 1/8" OF OAK OR HICKORY.

SILT FENCE	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED 6/29/94 DATE	<i>[Signature]</i> CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA	

LEVELS ON - 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62



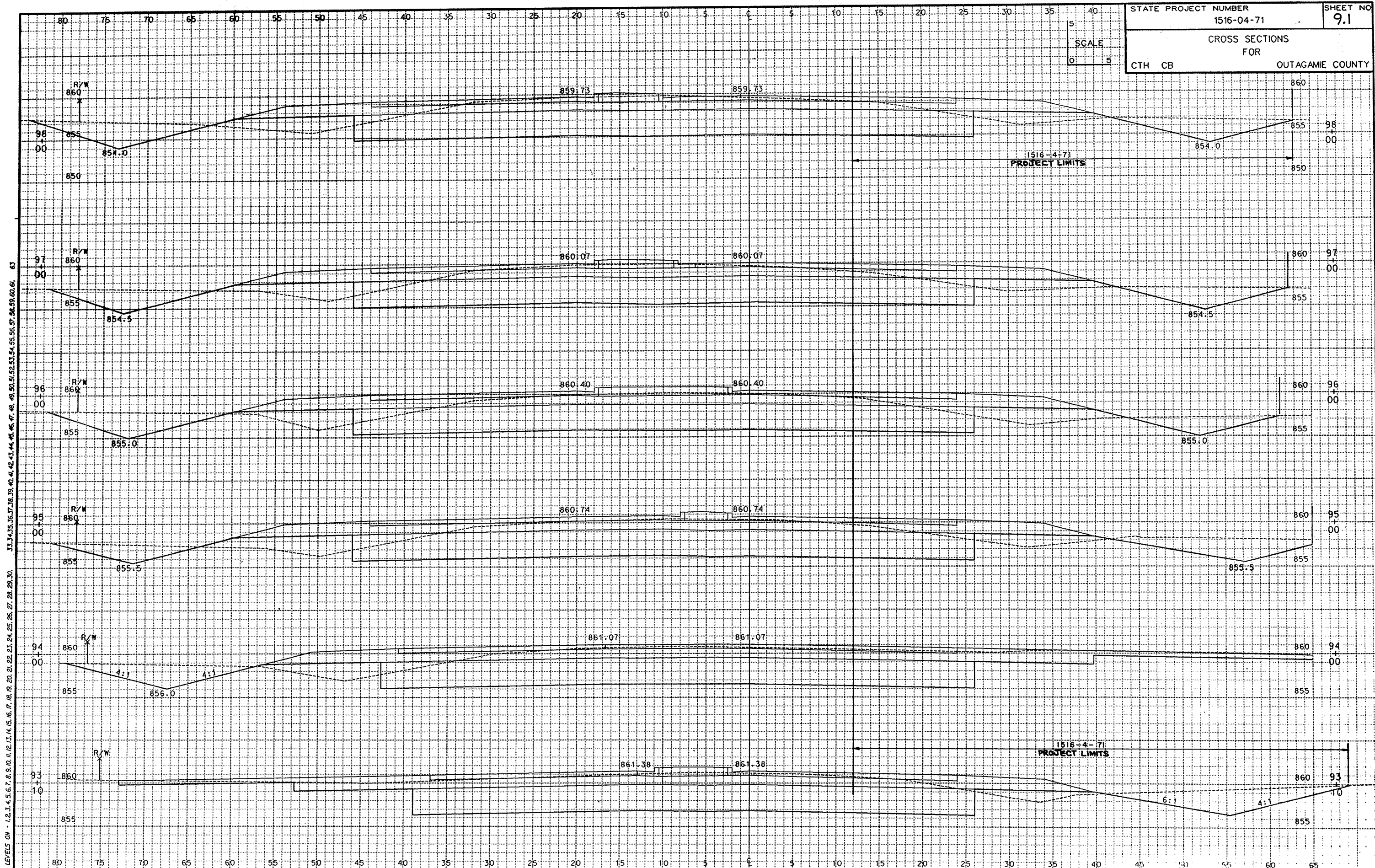
STATE PROJECT NUMBER
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9.0

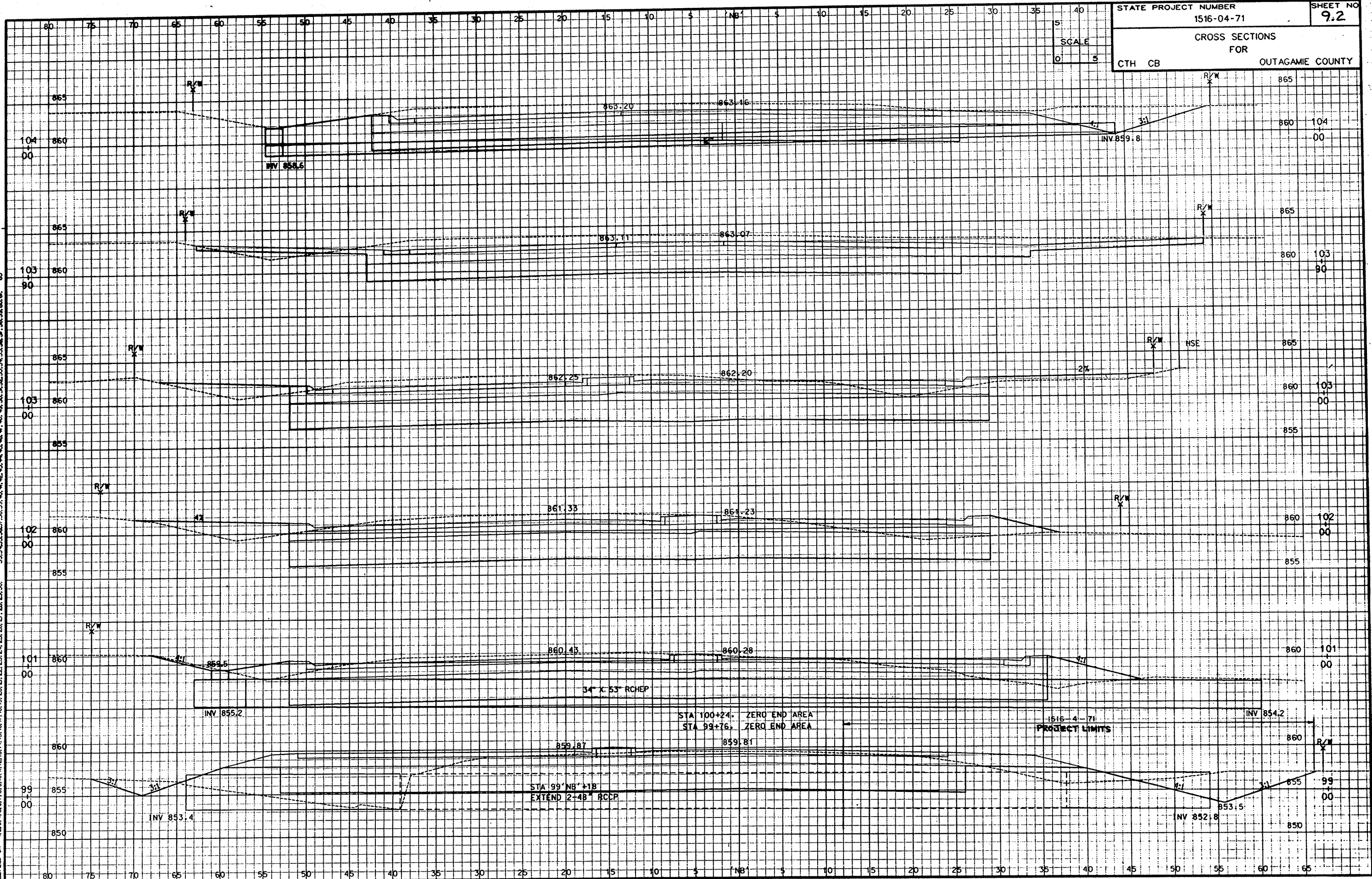
CROSS SECTIONS
FOR
CTH CA OUTAGAMIE COUNTY

1516-4-71
PROJECT LIMITS

1516-4-71
PROJECT LIMITS



LEVELS ON : 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,49,50,51,52,53,54,55,56,57,58,59,60,61,62,63



STATE PROJECT NUMBER
1516-04-71

SHEET NO
9.2

CROSS SECTIONS
FOR
CTH CB OUTAGAMIE COUNTY