

STATE OF OHIO DEPARTMENT OF TRANSPORTATION

**HUR-20-16.35**  
**LOR-20-0.00**

CITY OF NORWALK  
VILLAGE OF WAKEMAN  
NORWALK TOWNSHIP  
WAKEMAN TOWNSHIP  
CAMDEN TOWNSHIP  
PITTSFIELD TOWNSHIP  
HURON COUNTY  
LORAIN COUNTY

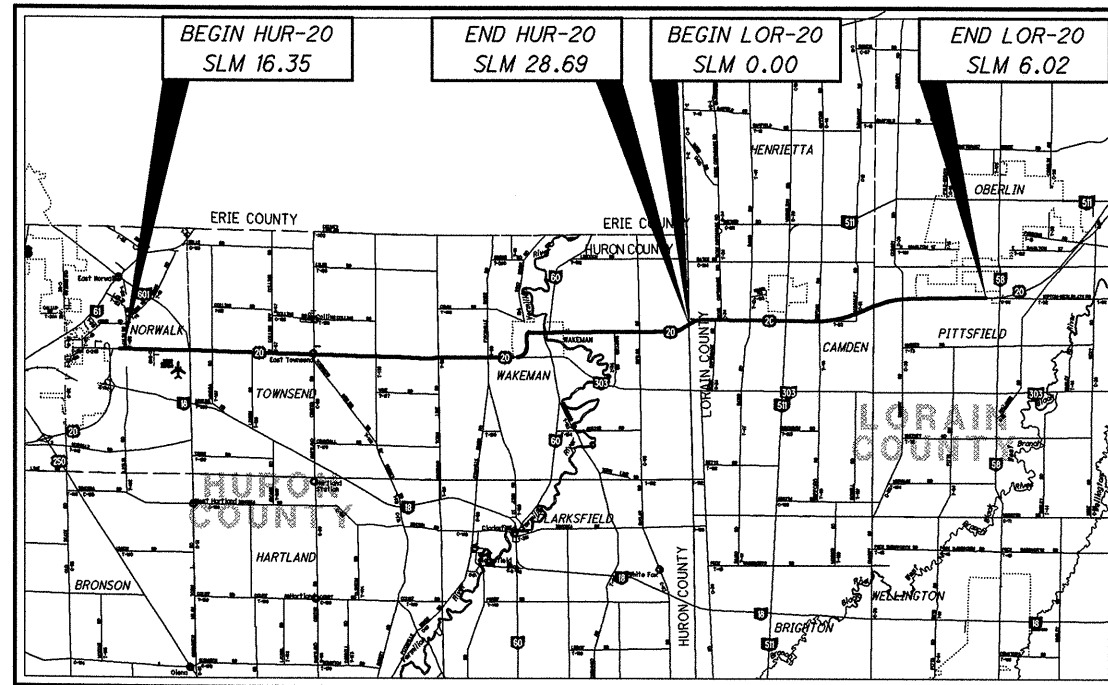
**PROJECT DESCRIPTION**

THIS PROJECT IS 18.36 MILES LONG AND WILL INCLUDE PAVEMENT PLANING, PAVEMENT REPAIR, SHOULDER REPAIR, RESURFACING WITH ASPHALT CONCRETE, PROFILE AND SUPERELEVATION CORRECTION IN WAKEMAN, ADDITION OF A LEFT TURN LANE AT WESTERN RESERVE SCHOOL, ADJUSTMENT OF CASTINGS WHERE NECESSARY, GUARDRAIL, PAVEMENT MARKINGS AND MINOR STRUCTURE REHABILITATION WORK.

PROJECT EARTH DISTURBED AREA: 2.3 ACRES  
ESTIMATED CONTRACTOR EARTH DISTURBED AREA: 1.0 ACRES  
NOTICE OF INTENT EARTH DISTURBED AREA: 4.9 ACRES

**2005 SPECIFICATIONS**

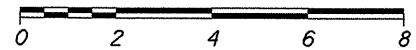
THE STANDARD SPECIFICATIONS OF THE STATE OF OHIO, DEPARTMENT OF TRANSPORTATION, INCLUDING CHANGES AND SUPPLEMENTAL SPECIFICATIONS LISTED IN THE PROPOSAL SHALL GOVERN THIS IMPROVEMENT.



**LOCATION MAP**

LATITUDE: N 41° 15' 17" LONGITUDE: W 82° 24' 6"

SCALE IN MILES



PORTION TO BE IMPROVED -----  
INTERSTATE & DIVIDED HIGHWAY -----  
UNDIVIDED STATE & FEDERAL ROUTES -----  
OTHER ROADS -----

**DESIGN DESIGNATION**

SEE SHEET 2

NHS PROJECT ----- YES

**DESIGN EXCEPTIONS**

NONE

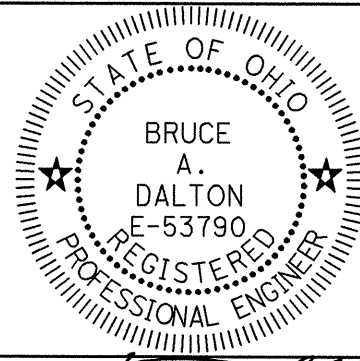
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ENGINEERS SEAL:

**UNDERGROUND UTILITIES**  
CONTACT BOTH SERVICES  
CALL TWO WORKING DAYS  
BEFORE YOU DIG  
CALL  
1-800-362-2764  
(TOLL FREE)  
OHIO UTILITIES PROTECTION SERVICE  
NON-MEMBERS  
MUST BE CALLED DIRECTLY  
OIL & GAS PRODUCERS PROTECTIVE  
SERVICE CALL: 1-800-925-0988

PLAN PREPARED BY:



SIGNED: *Bruce Dalton*  
DATE: 10-17-07

ROADWAY, PAVEMENT & STRUCTURES	STANDARD CONSTRUCTION DRAWINGS						SUPPLEMENTAL SPECIFICATIONS
BP-3.1	7/16/04	GR-4.2	1/19/07	MT-105.11	10/18/02		
BP-4.1	7/16/04	GR-5.1	4/18/03				
BP-5.1	7/28/00			TC-41.20	1/19/01	800 10-19-07	
BP-7.1	1/19/07			TC-42.20	7/16/04	802 4-15-05	
		MH-1.1	7/19/02	TC-52.10	1/19/07	832 4-25-06	
CB-1.2	7/15/05			TC-52.20	1/19/07	848 4-15-05	
		RM-1.1	4/21/06	TC-65.10	1/21/05		
DM-4.3	7/19/02			TC-65.11	1/21/05	953 4-15-05	
DM-4.4	7/19/02	MT-96.10	4/19/02	TC-71.10	1/19/07		
		MT-96.20	4/19/02	TC-72.20	1/21/05		
GR-1.1	7/16/04	MT-96.25	4/20/01	TC-73.10	1/19/01		
GR-2.1	1/16/04	MT-97.10	9/05/06				
GR-2.4	4/18/03	MT-97.12	9/05/06				
GR-3.1	1/19/07	MT-99.20m	1/30/95				
GR-3.4	1/20/06	MT-101.20	10/18/02				
GR-4.1	4/18/03	MT-105.10	10/18/02				

**SPECIAL PROVISIONS**

NWP#3 10-10-07

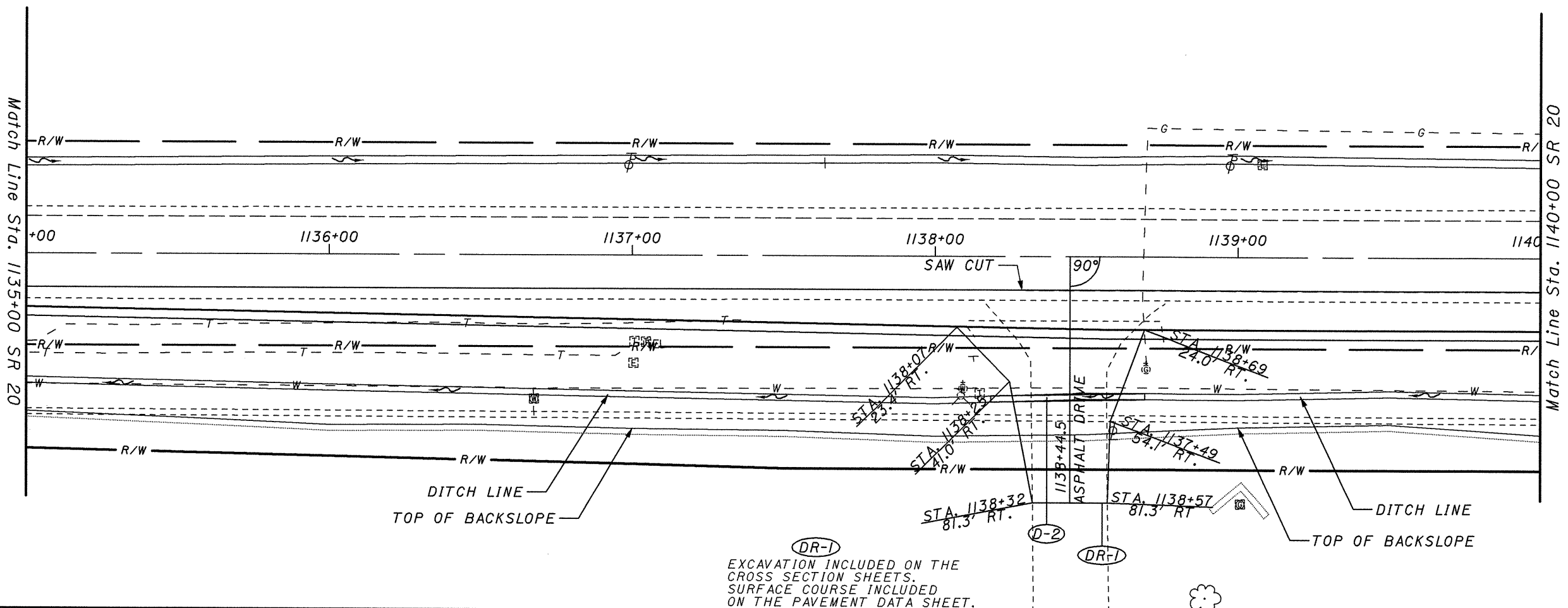
I HEREBY APPROVE THESE PLANS AND DECLARE THAT THE MAKING OF THIS IMPROVEMENT WILL NOT REQUIRE THE CLOSING TO TRAFFIC OF THE HIGHWAY AND THAT PROVISIONS FOR THE MAINTENANCE AND SAFETY OF TRAFFIC WILL BE AS SET FORTH ON THE PLANS AND ESTIMATES.

APPROVED *John Hart*  
DATE 10/14/07 DISTRICT DEPUTY DIRECTOR

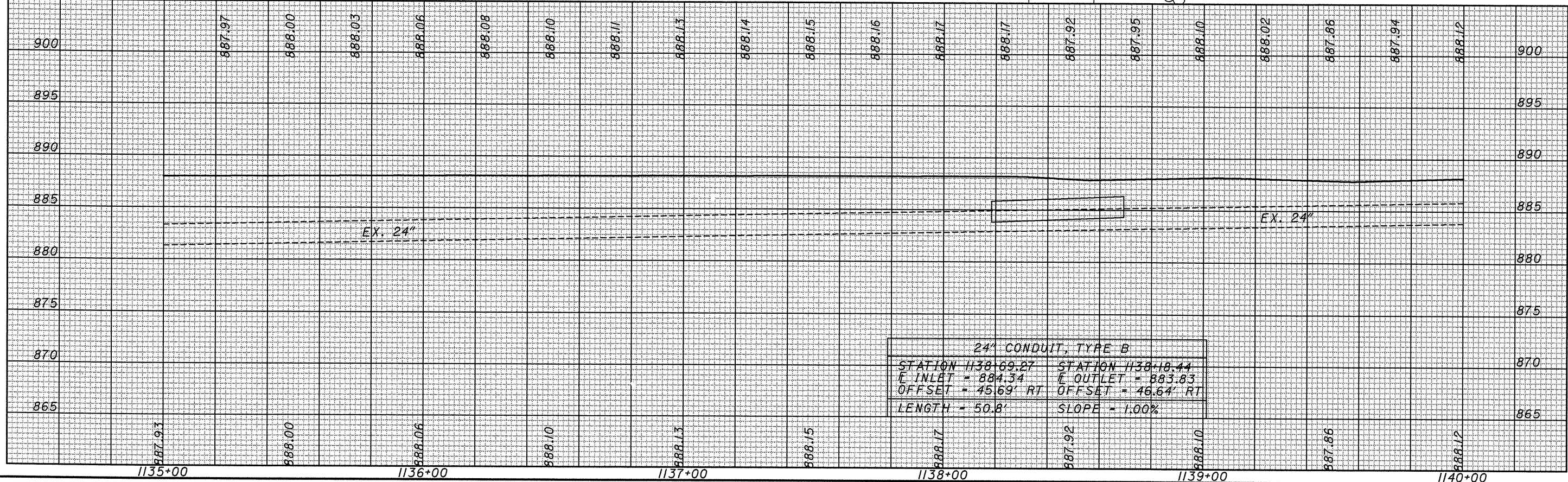
APPROVED \_\_\_\_\_  
DATE \_\_\_\_\_ DIRECTOR, DEPARTMENT OF TRANSPORTATION

DESIGN FILE: I:\projects\77284\77284GT001.dgn  
WORKSTATION: mrobins1 DATE: 10/17/2007

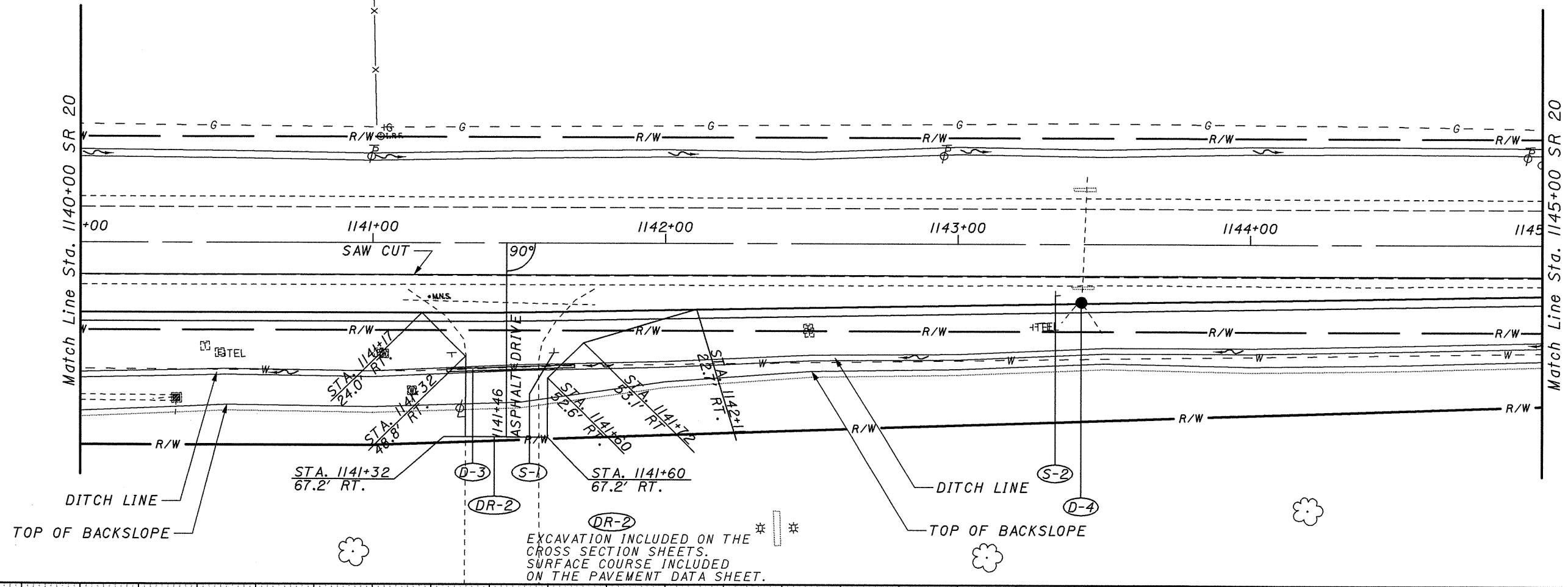
FEDERAL PROJECT NO. E040(593)  
PID NO. 77284  
CONSTRUCTION PROJECT NO. NONE  
RAILROAD INVOLVEMENT NONE  
HUR-20-16.35  
LOR-20-0.00  
1/107



(DR-1)  
EXCAVATION INCLUDED ON THE  
CROSS SECTION SHEETS.  
SURFACE COURSE INCLUDED  
ON THE PAVEMENT DATA SHEET.



DESIGN FILE: I:\projects\7284\7284CPI00\_b3.dgn  
 WORKSHEET NO: 2 DATE: 10/10/2007



EXCAVATION INCLUDED ON THE CROSS SECTION SHEETS. SURFACE COURSE INCLUDED ON THE PAVEMENT DATA SHEET.

900		888.05	887.89	887.94	888.08	887.98	887.79	887.87	887.93	887.79	887.57	887.59	887.71	887.59	887.38	887.45	887.63	887.65	887.62	887.59	887.57	900
895																						895
890																						890
885		EX. 24"																				885
880																						880
875																						875
870																						870
865																						865
	1140+00		1141+00		1142+00		1143+00		1144+00		1145+00											

12" CONDUIT, TYPE B	
STATION 1141+68.98 E INLET = 884.89 OFFSET = 42.45' RT LENGTH = 43.7'	STATION 1141+25.31 E OUTLET = 884.45 OFFSET = 44.06' RT SLOPE = 1.00%

PR MANHOLE, NO. 1  
 STATION 1143+42.18  
 OFFSET = 19.91' RT  
 COVER ELEV. = 887.12  
 E INLET = 883.14

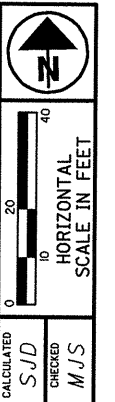
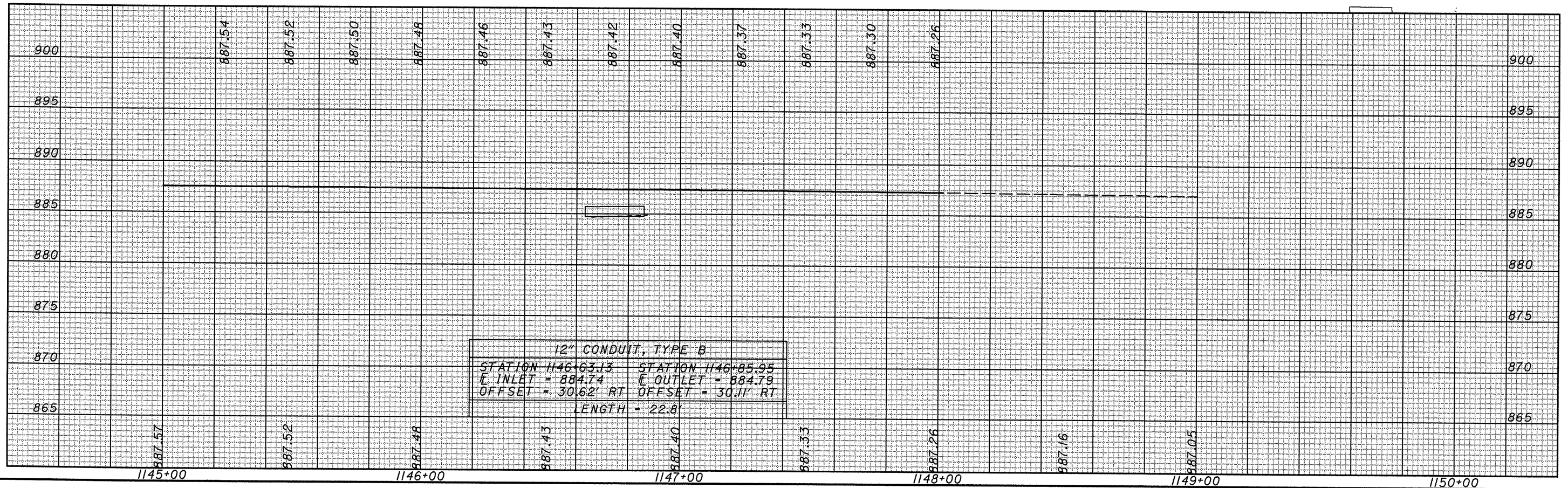
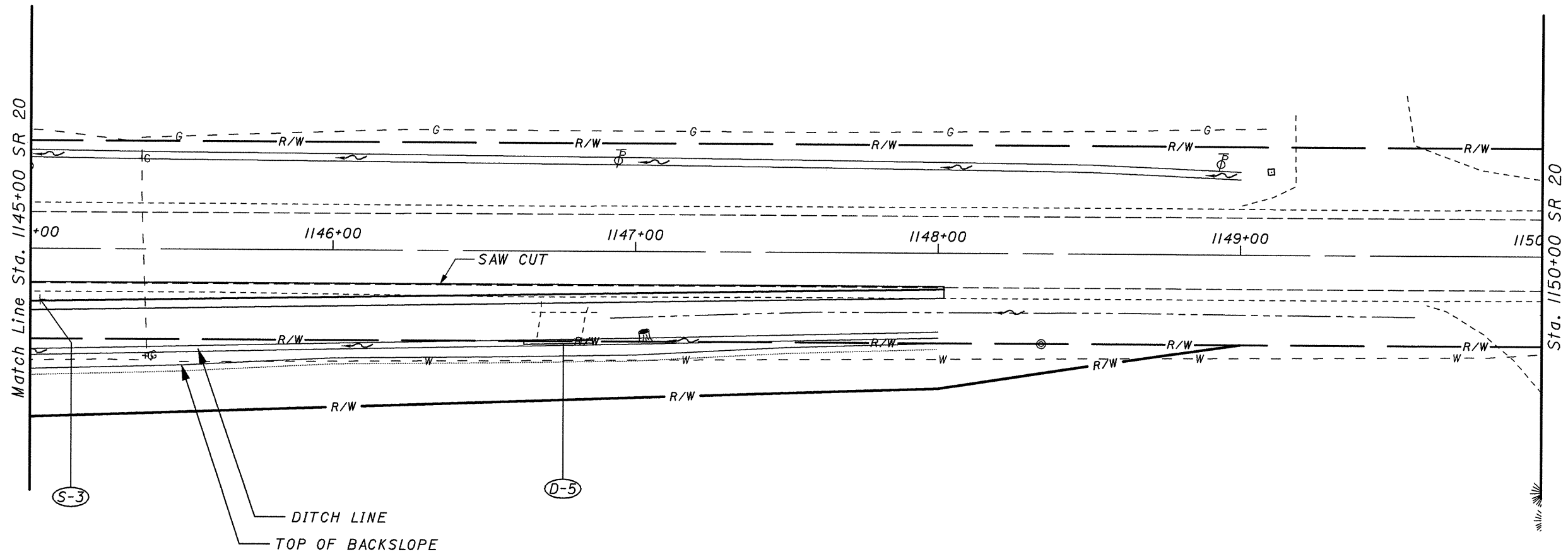


CALCULATED SJD  
 CHECKED MJS  
 HORIZONTAL SCALE IN FEET  
 PLAN AND PROFILE  
 STA. 1140+00 - STA. 1145+00

HUR-20-16.35  
 LOR-20-0.00



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 DATE: 10/10/2007  
 DWG: 10/10/2007



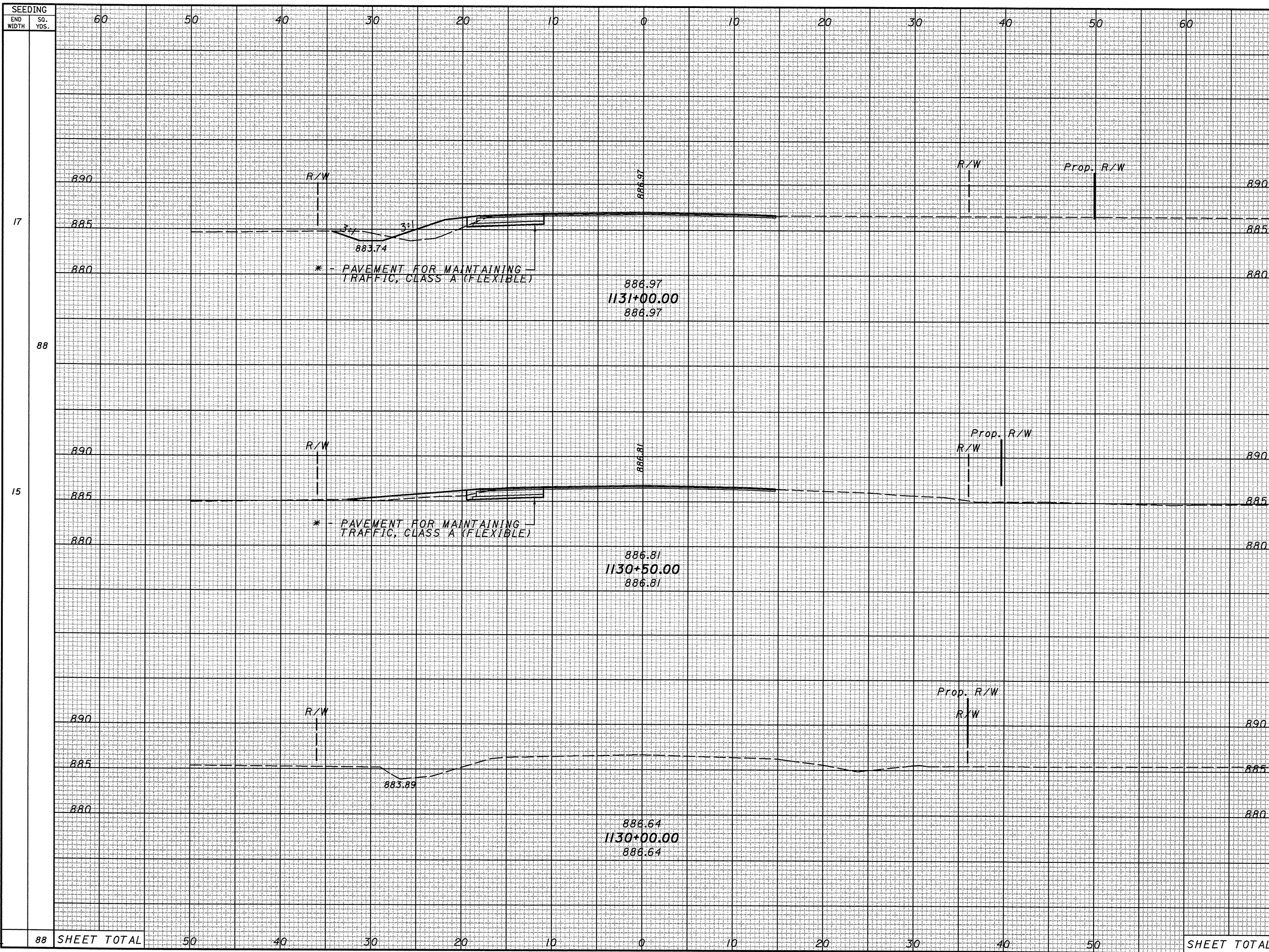
CALCULATED SJD  
 CHECKED MJS

**PLAN AND PROFILE**  
**STA. 1145+00 - STA 1149+00**

**HUR-20-16.35**  
**LOR-20-0.00**



DESIGNER: I:\projects\77284\77284XS100\_B.dgn  
 DATE: 10/19/2007  
 DRAWN BY: [Signature]

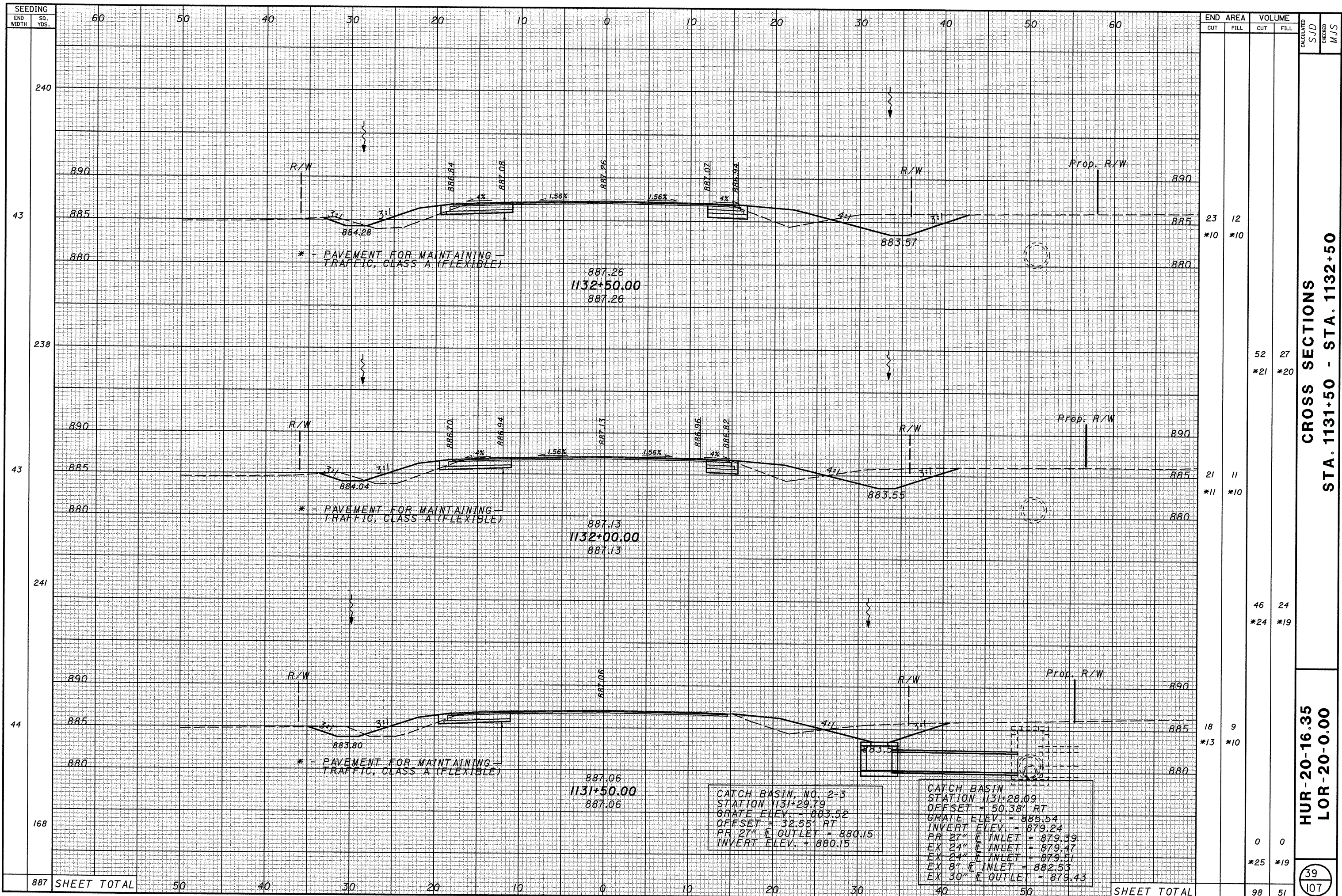


END	AREA		VOLUME	
	CUT	FILL	CUT	FILL
17	*12	*10		
88		*20	*14	
15	*9	*5		
		*8	*5	
88	SHEET TOTAL		SHEET TOTAL	

CROSS SECTIONS  
 STA. 1130+00 - STA. 1131+00  
 HUR-20-16.35  
 LOR-20-0.00  
 CALCULATED: SJD  
 CHECKED: MJS  
 38  
 107



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 DATE: 10/10/2007  
 DWGNO: 107



SEEDING END WIDTH	SO. YDS.	END AREA		VOLUME		CALCULATED SJD	CHECKED MJS		
		CUT	FILL	CUT	FILL				
240	60								
43	60	23	12	*10	*10				
238	60	52	27	*21	*20				
43	60	21	11	*11	*10				
241	60	46	24	*24	*19				
44	60	18	9	*13	*10				
168	60	0	0	*25	*19				
887	SHEET TOTAL	50	40	30	20	10	0	98	51

CROSS SECTIONS  
 STA. 1131+50 - STA. 1132+50

HUR-20-16.35  
 LOR-20-0.00

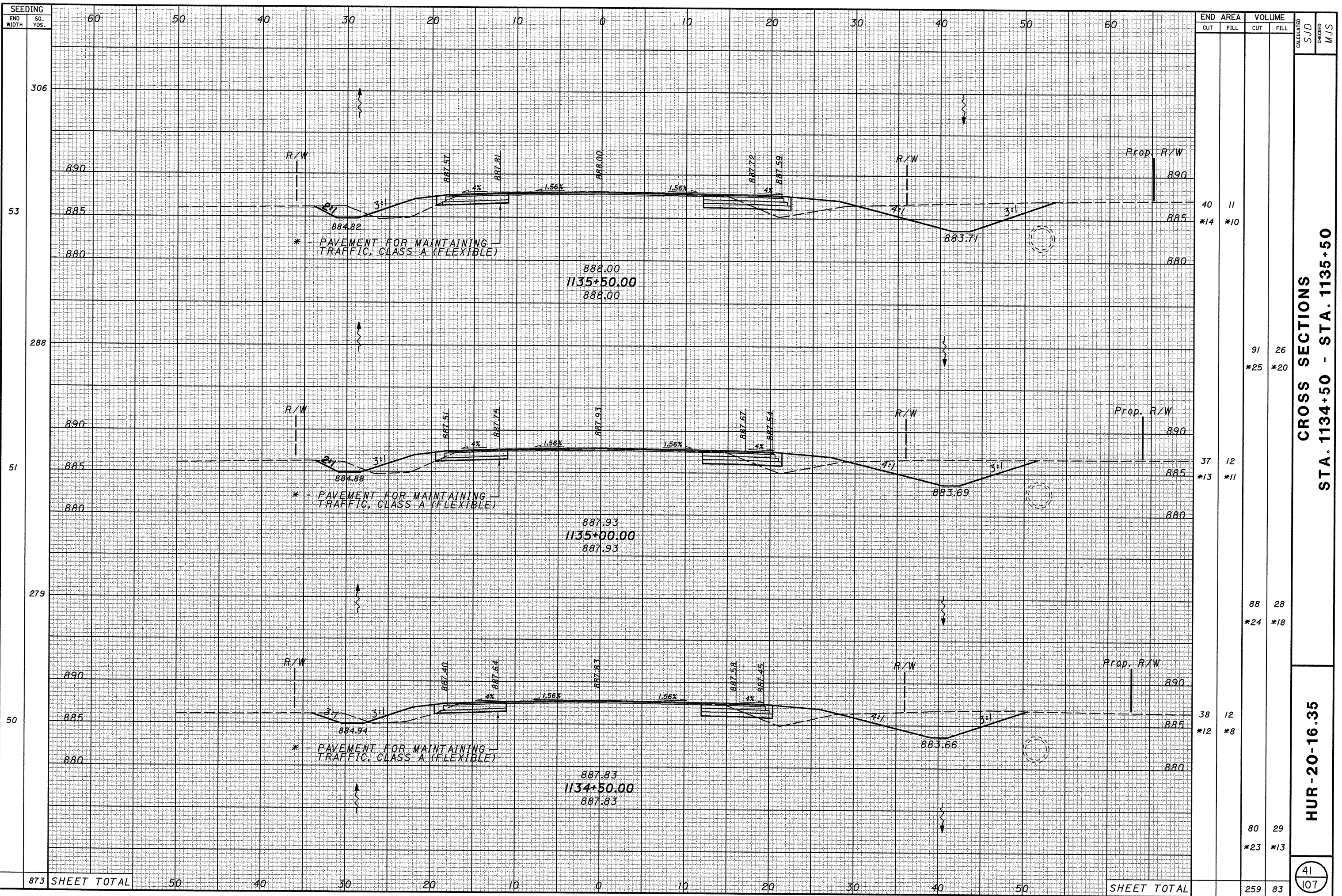
39  
 107







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 2D.PLC 10/10/2007  
 mshah1

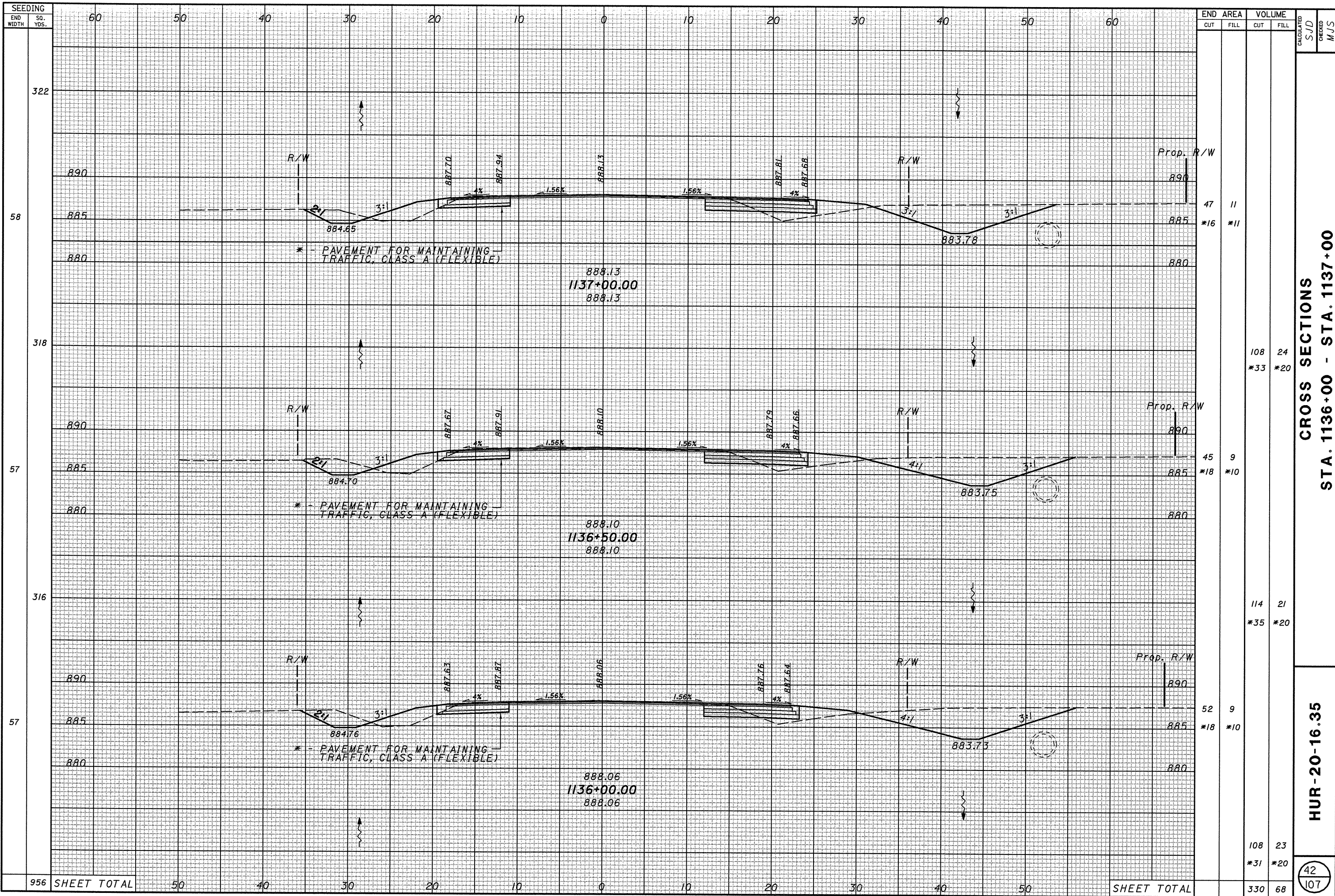


**CROSS SECTIONS**  
**STA. 1134+50 - STA. 1135+50**

**HUR-20-16.35**

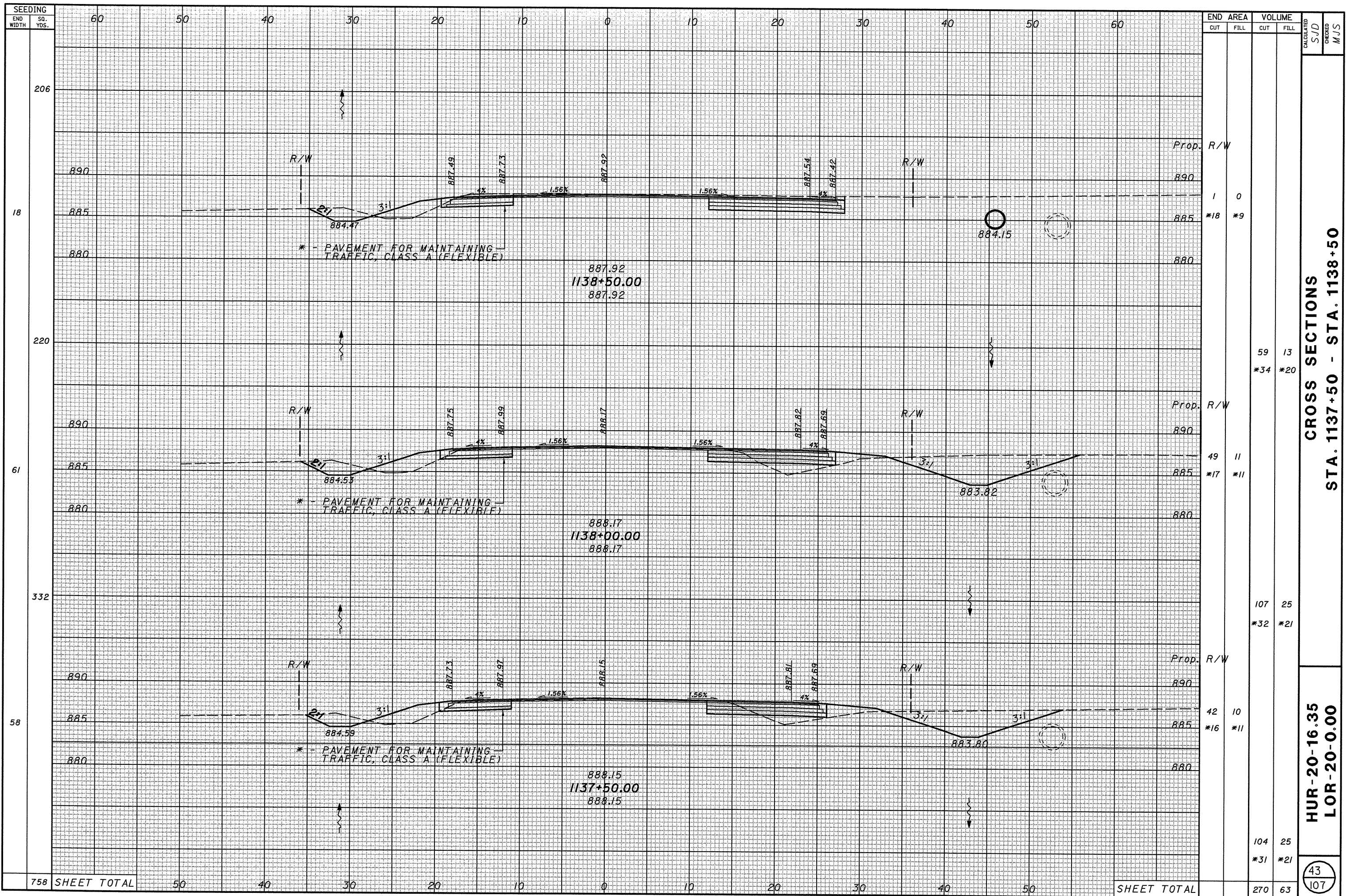


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 DATE: 10/10/2007  
 DRAWN BY: MJK/STJ/JOM  
 CHECKED BY:





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 D:\DC 10/10/07  
 mshah



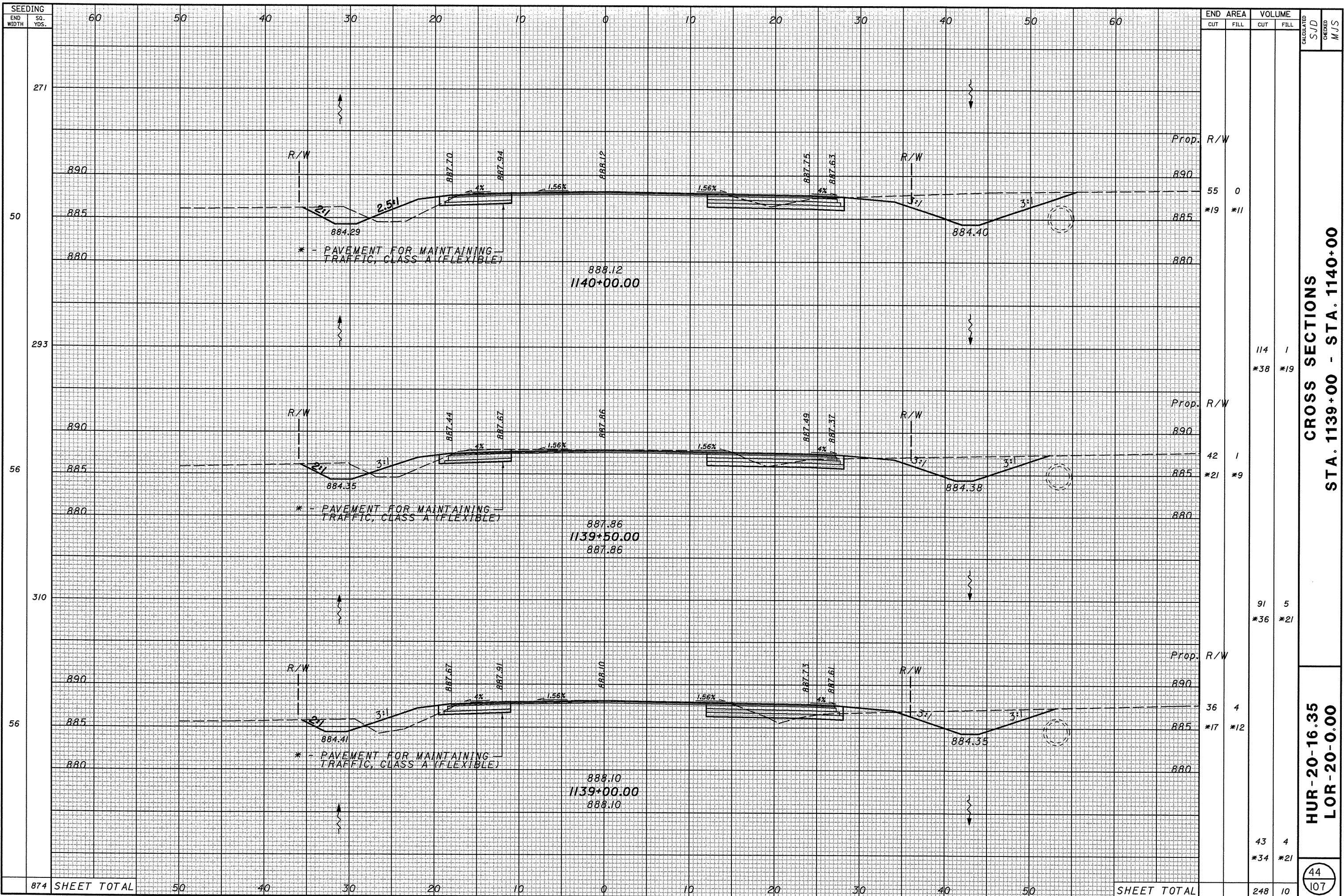
SEEDING	END WIDTH	SQ. YDS.	END AREA		VOLUME		CALCULATED SJD	CHECKED MJS										
			CUT	FILL	CUT	FILL												
206																		
18																		
220																		
61																		
332																		
58																		
758	SHEET TOTAL		50	40	30	20	10	0	10	20	30	40	50	SHEET TOTAL	270	63	43	107

CROSS SECTIONS  
 STA. 1137+50 - STA. 1138+50

HUR-20-16.35  
 LOR-20-0.00



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 DATE: 10/10/2007  
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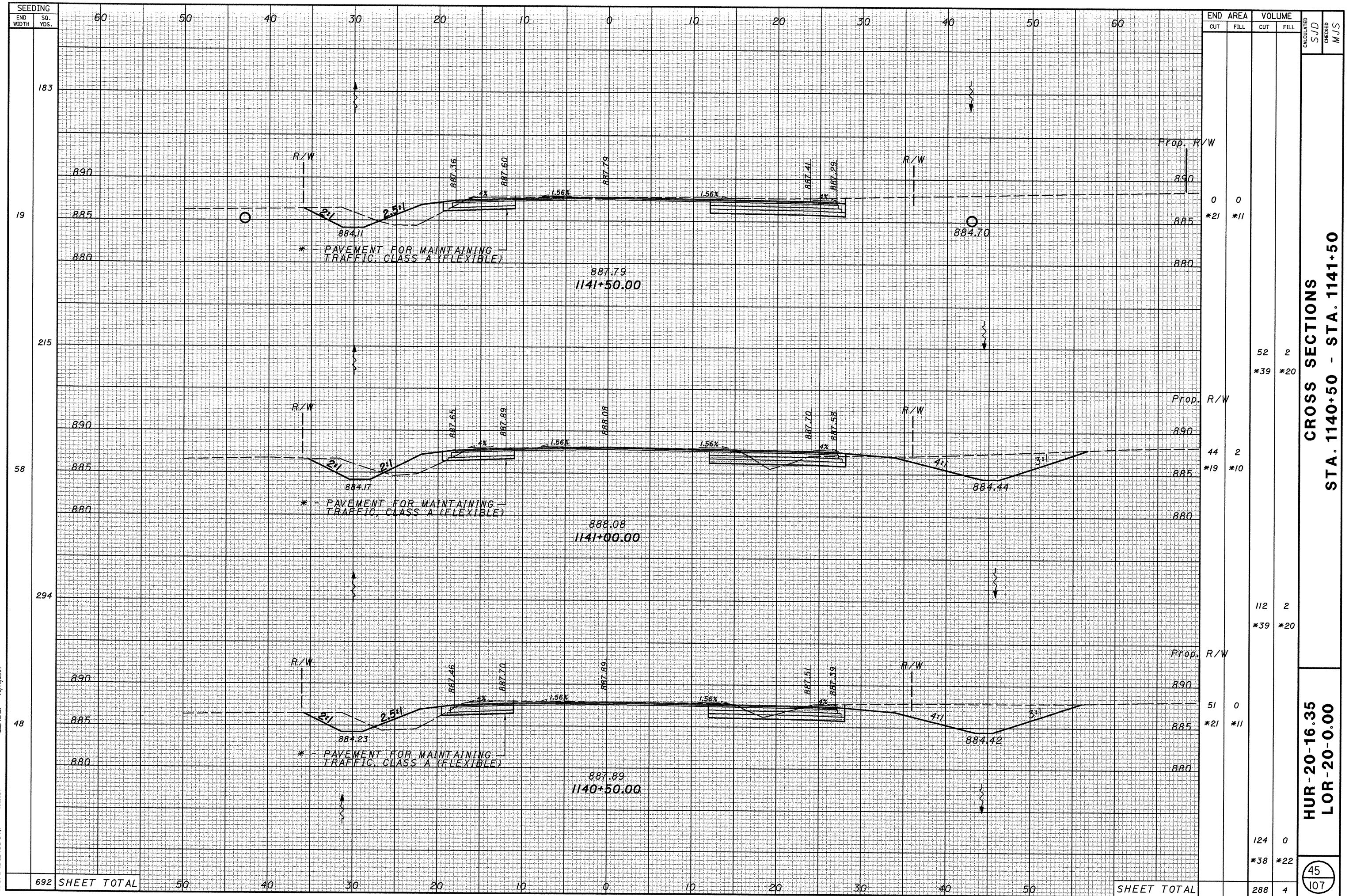


CROSS SECTIONS  
 STA. 1139+00 - STA. 1140+00

HUR-20-16.35  
 LOR-20-0.00



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 DWG: 10/10/2007  
 mod1



SEEDING END WIDTH	SO. YDS.	END AREA		VOLUME		CALCULATED SJD	CHECKED MJS
		CUT	FILL	CUT	FILL		
183							
19		0	0	*21	*11		
215		52	2	*39	*20		
58		44	2	*19	*10		
294		112	2	*39	*20		
48		51	0	*21	*11		
692	SHEET TOTAL	288	4	*38	*22		

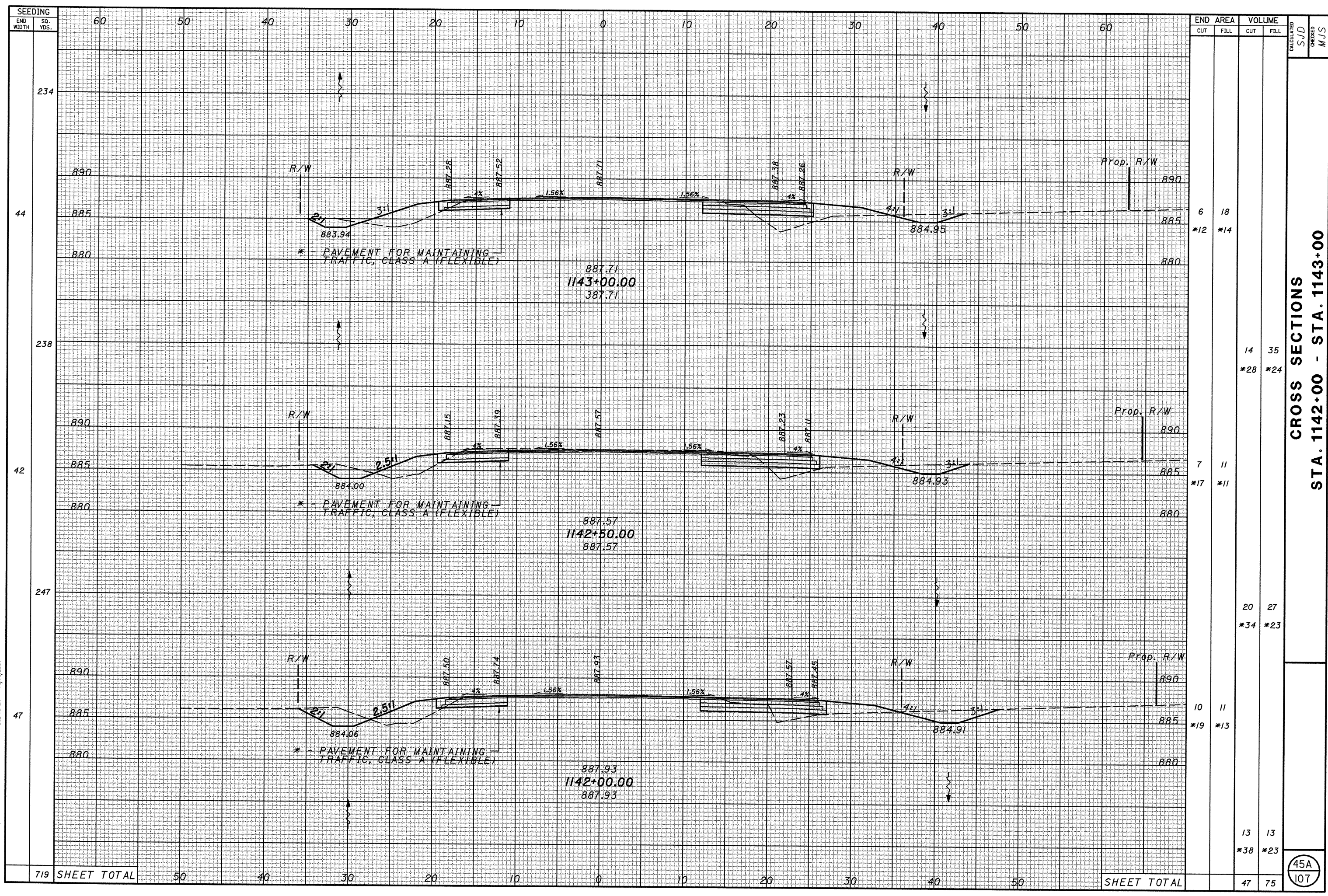
CROSS SECTIONS  
 STA. 1140+50 - STA. 1141+50

HUR-20-16.35  
 LOR-20-0.00

45  
 107



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 DATE: 10/10/2007  
 DWG: 77284

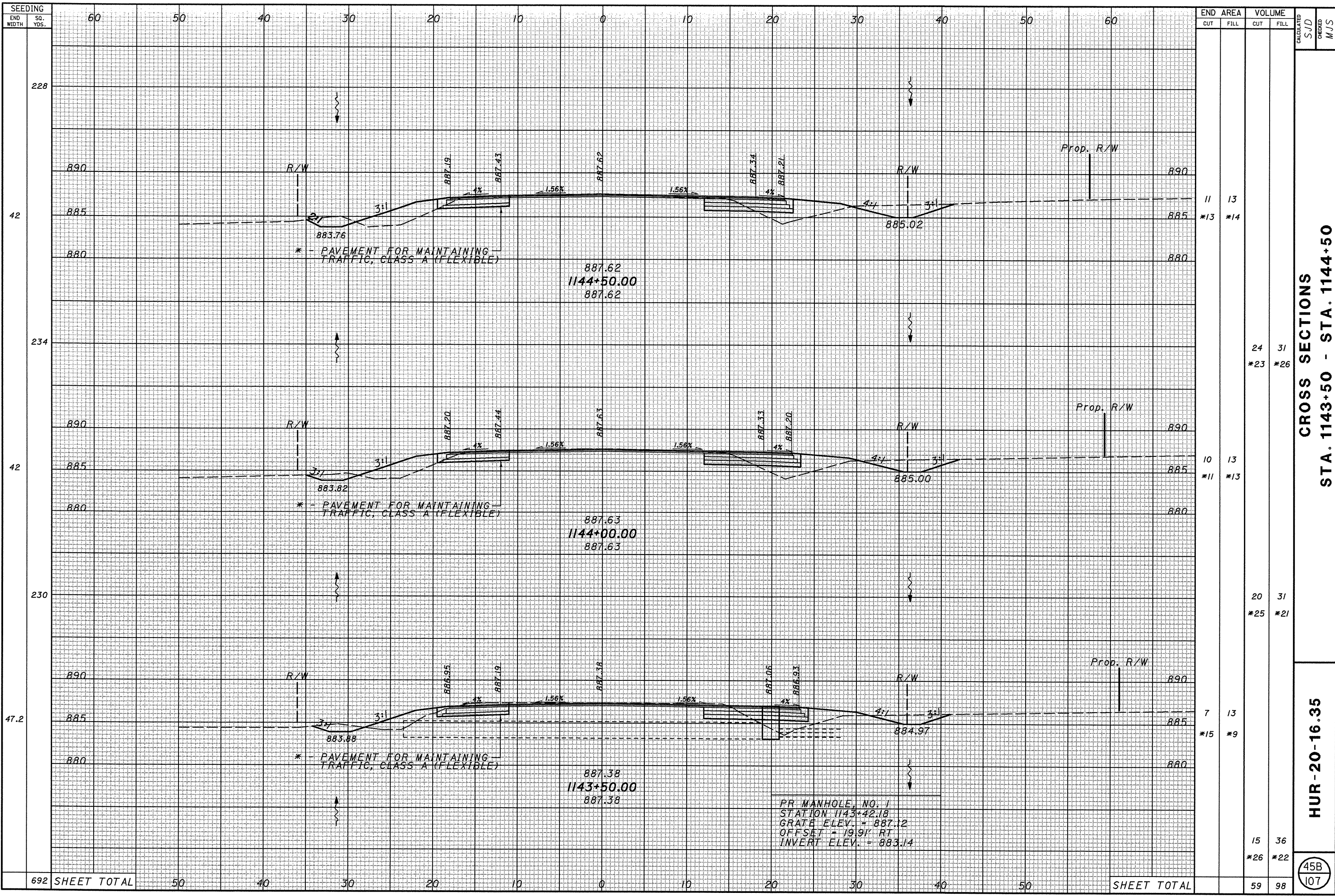


END STA.	AREA		VOLUME		CALCULATED SJD	CHECKED MJS
	CUT	FILL	CUT	FILL		
1143+00.00	6	18	14	35	*12	*14
1142+50.00	7	11	20	27	*17	*23
1142+00.00	10	11	13	13	*19	*13
<b>SHEET TOTAL</b>	<b>23</b>	<b>40</b>	<b>47</b>	<b>75</b>	<b>*38</b>	<b>*23</b>

**CROSS SECTIONS**  
**STA. 1142+00 - STA. 1143+00**



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 DWG: 10/10/2007  
 DWG USER: JLD



END WIDTH	SEEDING SQ. YDS.	END AREA		VOLUME		CALCULATED SJD	CHECKED MJS								
		CUT	FILL	CUT	FILL										
42	228	11	13	*13	*14										
42	234	10	13	*11	*13										
47.2	230	7	13	*15	*9										
692	SHEET TOTAL	50	40	30	20	10	20	30	40	50	SHEET TOTAL	59	98		

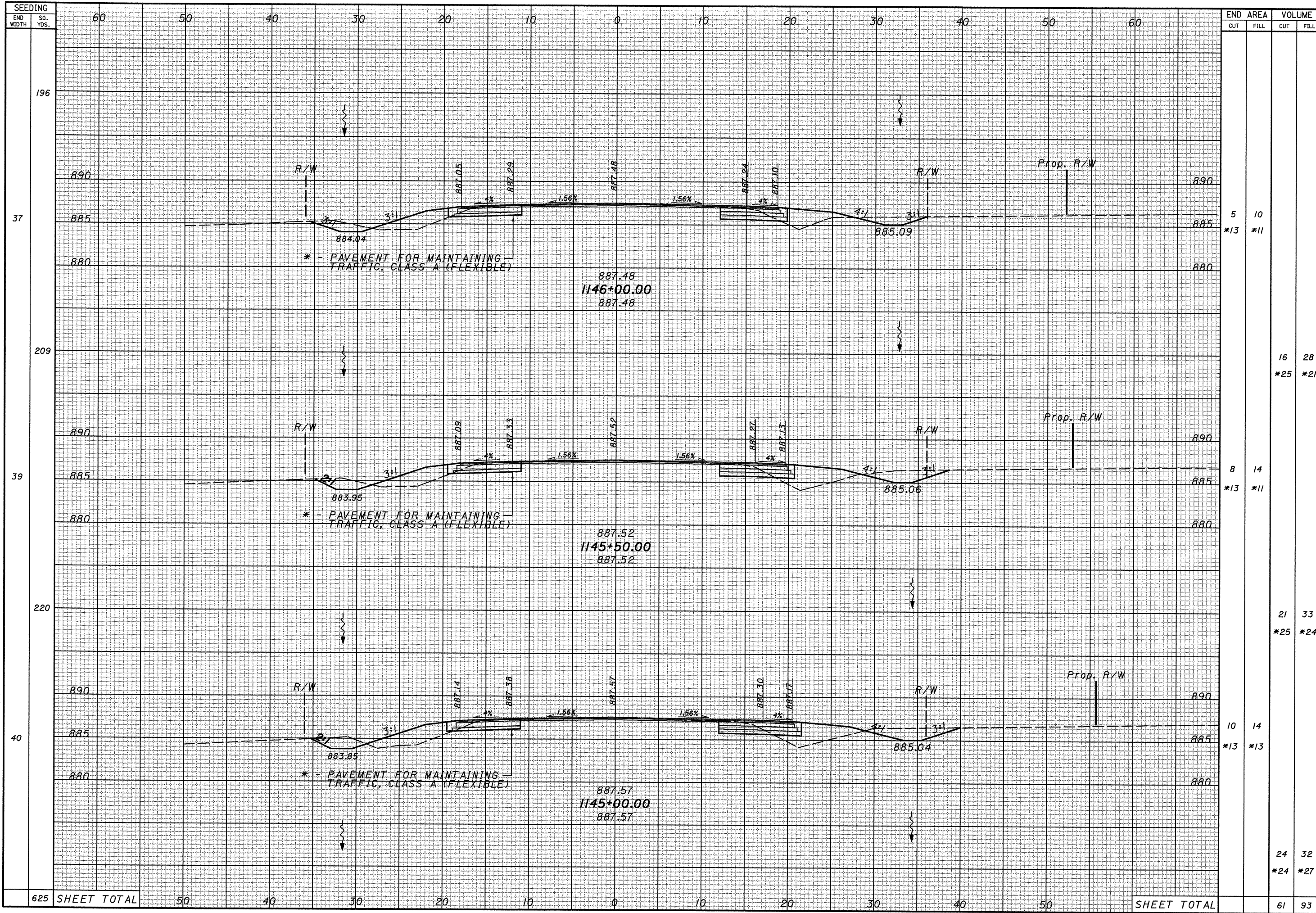
CROSS SECTIONS  
 STA. 1143+50 - STA. 1144+50

HUR-20-16.35

45B  
 107



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 DWG: 10/10/2007  
 DWG USER: JLD/DM



END WIDTH	AREA		VOLUME	
	CUT	FILL	CUT	FILL
196				
37	5	10	*13	*11
209		16	*25	28
39	8	14	*13	*11
220		21	*25	33
40	10	14	*13	*13
625	SHEET TOTAL		61	93

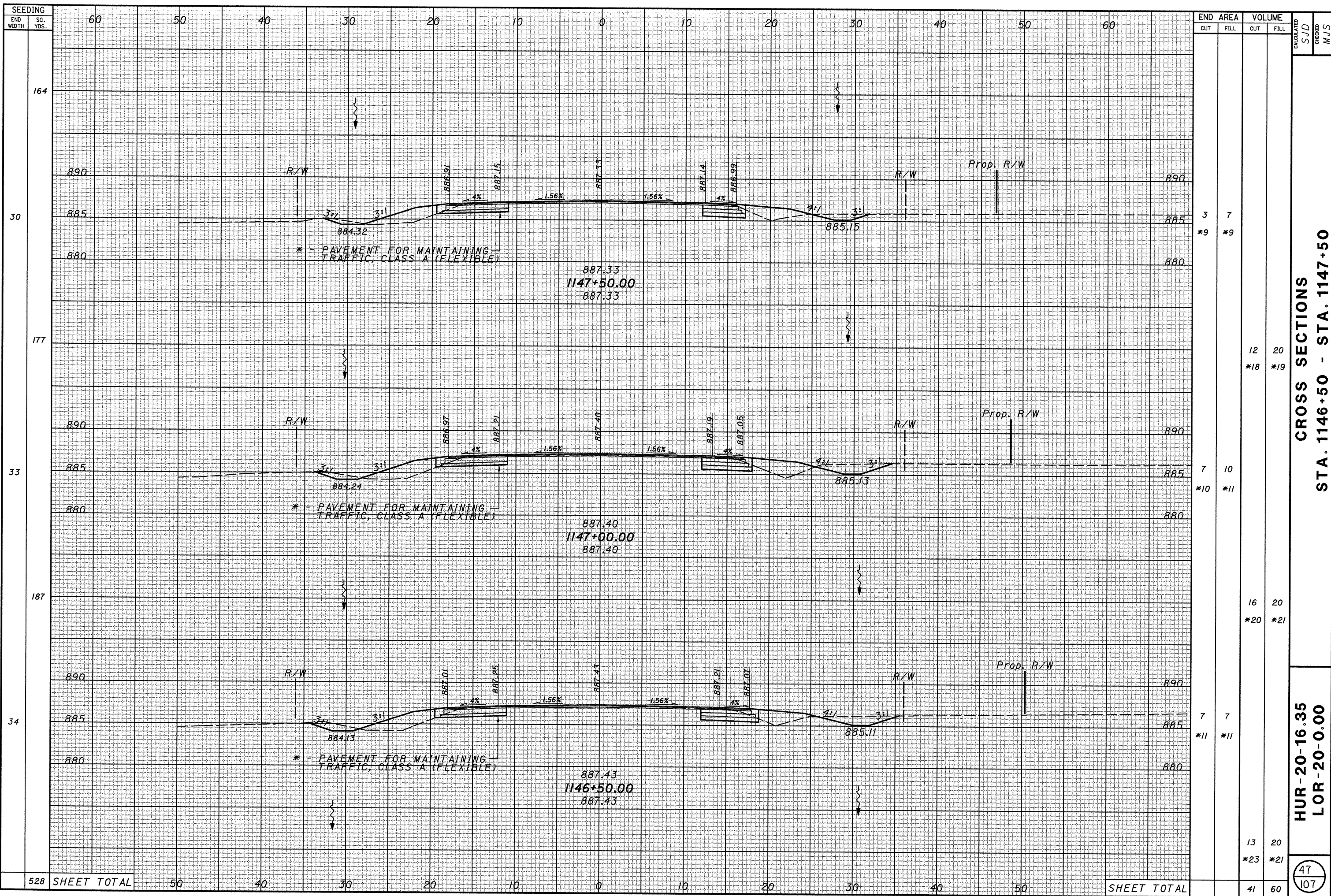
CROSS SECTIONS  
 STA. 1145+00 - STA. 1146+00

HUR-20-16.35  
 LOR-20-0.00

46  
 107



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 DATE: 10/10/2007  
 DRAWN BY: [signature]



SEEDING	END WIDTH	SO. YDS.	END AREA		VOLUME		CALCULATED SJD	CHECKED MJS
			CUT	FILL	CUT	FILL		
164	60	30	3	7	*9	*9		
177	60	33	7	10	*10	*11	12	20
187	60	34	7	7	*11	*11	16	20
528	SHEET TOTAL		13	20	*23	*21	41	60

CROSS SECTIONS  
 STA. 1146+50 - STA. 1147+50

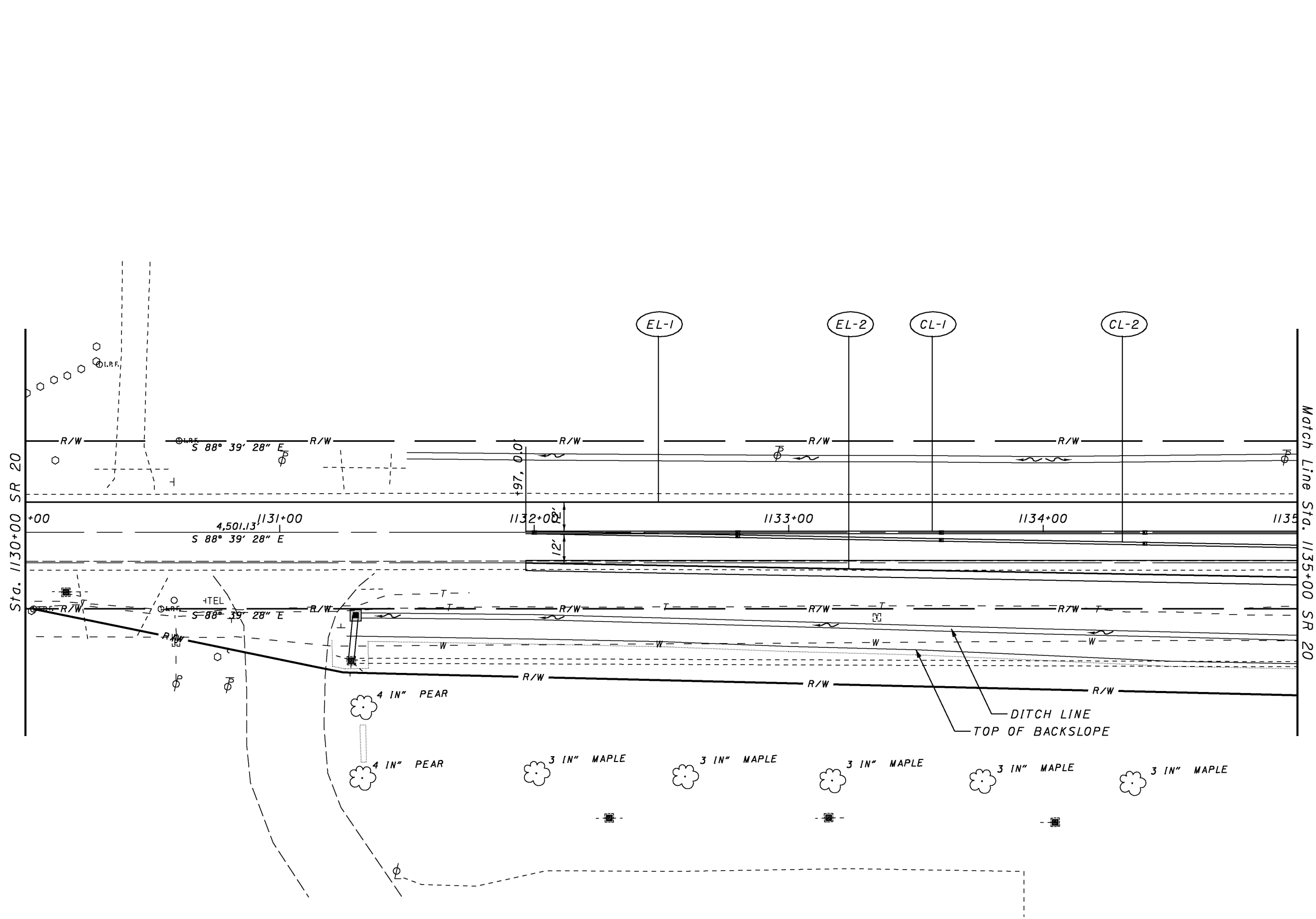
HUR-20-16.35  
 LOR-20-0.00

47  
 107









CALCULATED  
SJD  
CHECKED  
MJS

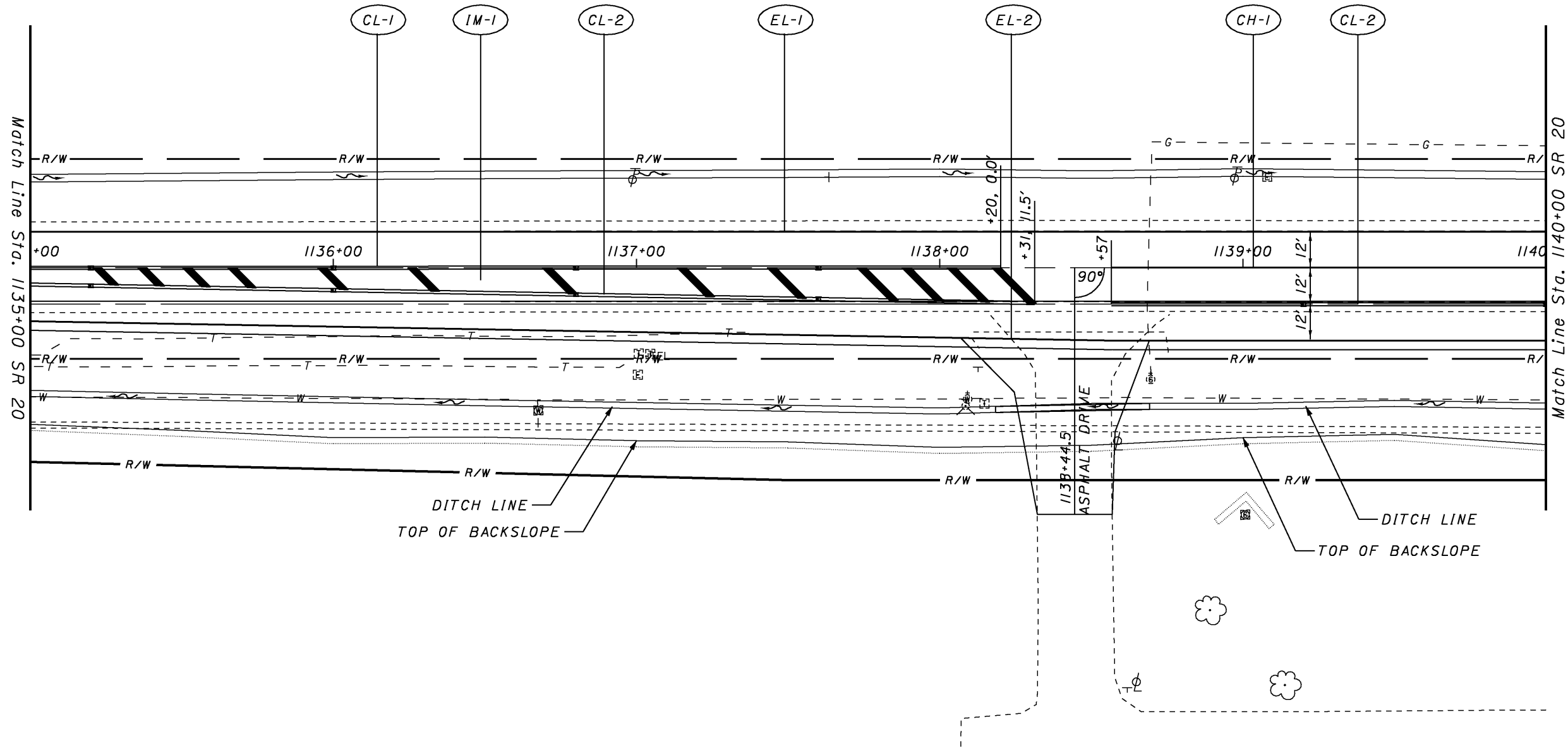
0 10 20 40  
HORIZONTAL  
SCALE IN FEET

**TRAFFIC CONTROL**  
**STA. 1130+00 - STA. 1135+00**

**HUR-20-16.35**  
**LOR-20-0.00**



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CALCULATED  
SJD

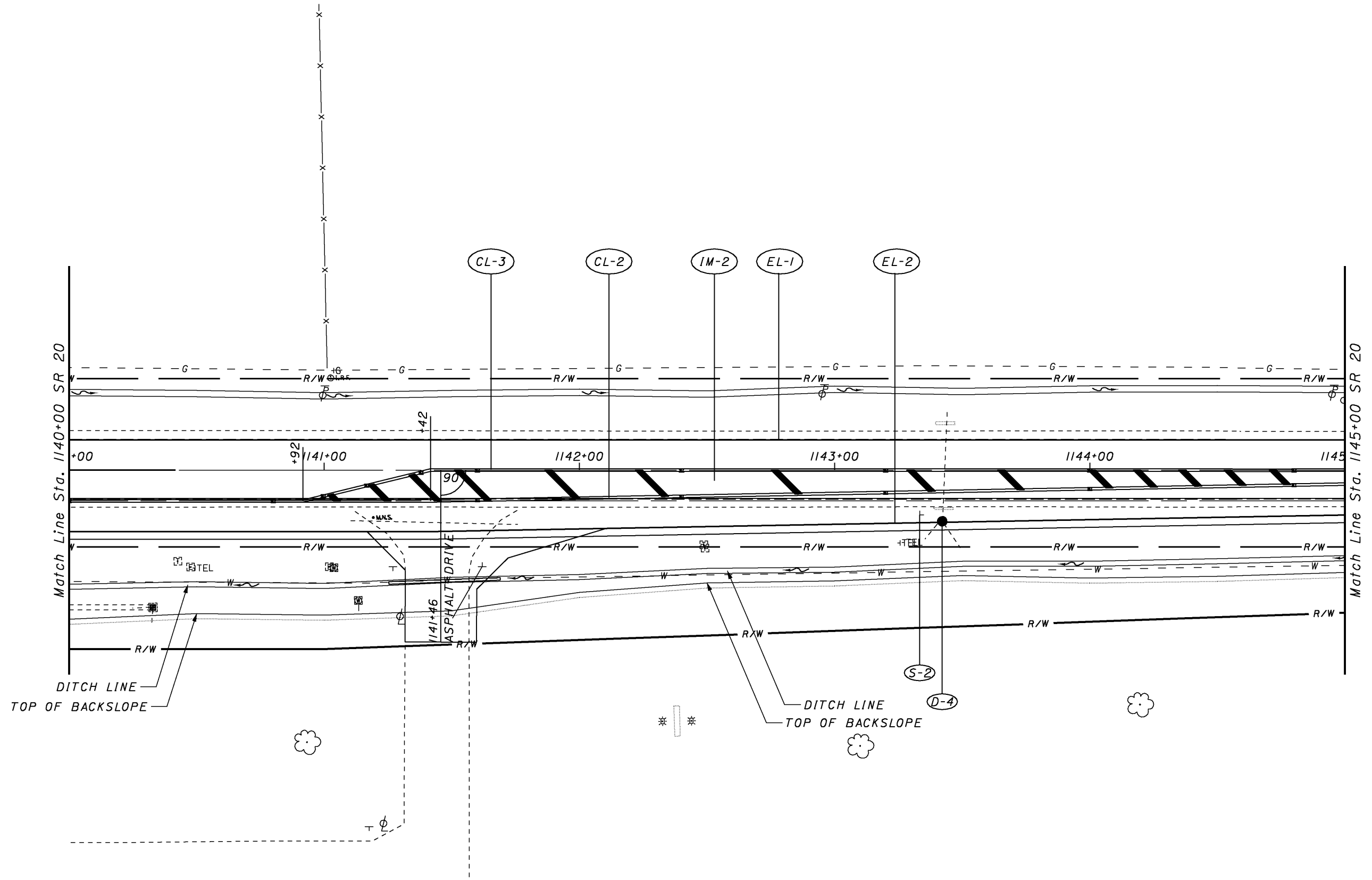
CHECKED  
MJS

0 10 20 40  
HORIZONTAL  
SCALE IN FEET

**TRAFFIC CONTROL**  
**STA. 1135+00 - STA. 1140+00**

HUR-20-16.35  
 LOR-20-0.00





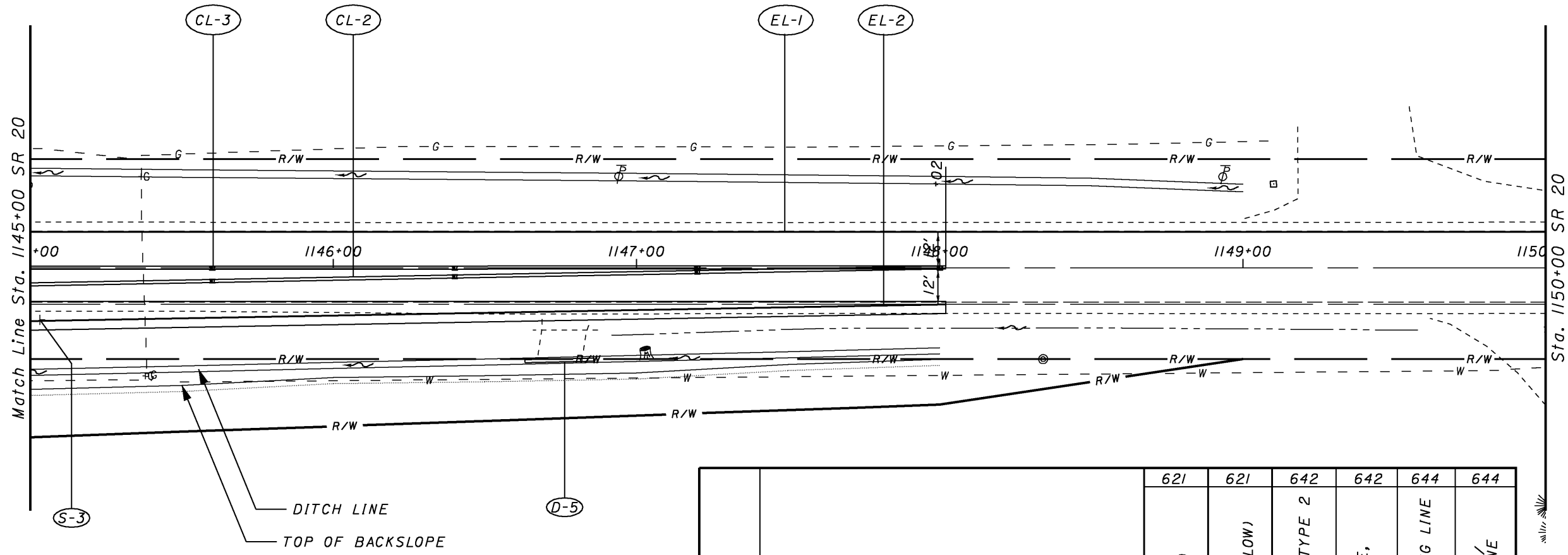
CALCULATED  
SJD  
CHECKED  
MJS

0 10 20 40  
HORIZONTAL  
SCALE IN FEET

**TRAFFIC CONTROL**  
**STA. 1140+00 - STA. 1145+00**

**HUR-20-16.35**  
**LOR-20-0.00**





REF NO.	STATION TO STATION		621	621	642	642	644	644
			RPM (WHITE/RED)	RPM (YELLOW/YELLOW)	EDGE LINE, TYPE 2	CENTER LINE, TYPE 2	CHANNELIZING LINE	TRANSVERSE/DIAGONAL LINE
			EACH	EACH	MILE	MILE	FT	FT
CL-1	1131+96 US 20	1138+20 US 20		8		0.08		
CL-2	1131+96 US 20	1148+02 US 20		18		0.30		
CL-3	1140+91 US 20	1148+02 US 20		12		0.07		
CH-1	1138+57 US 20	1140+42 US 20	5				185	
EL-1	1131+96 US 20	1148+02 US 20			0.30			
EL-2	1131+96 US 20	1148+02 US 20			0.30			
IM-1	1130+50 US 20	1149+50 US 20						158
IM-2	1130+50 US 20	1149+50 US 20						155
<b>TOTALS INCLUDED IN THE PAVEMENT MARKING SUB-SUMMARY</b>			<b>5</b>	<b>38</b>	<b>0.60</b>	<b>0.07</b>	<b>185</b>	<b>313</b>

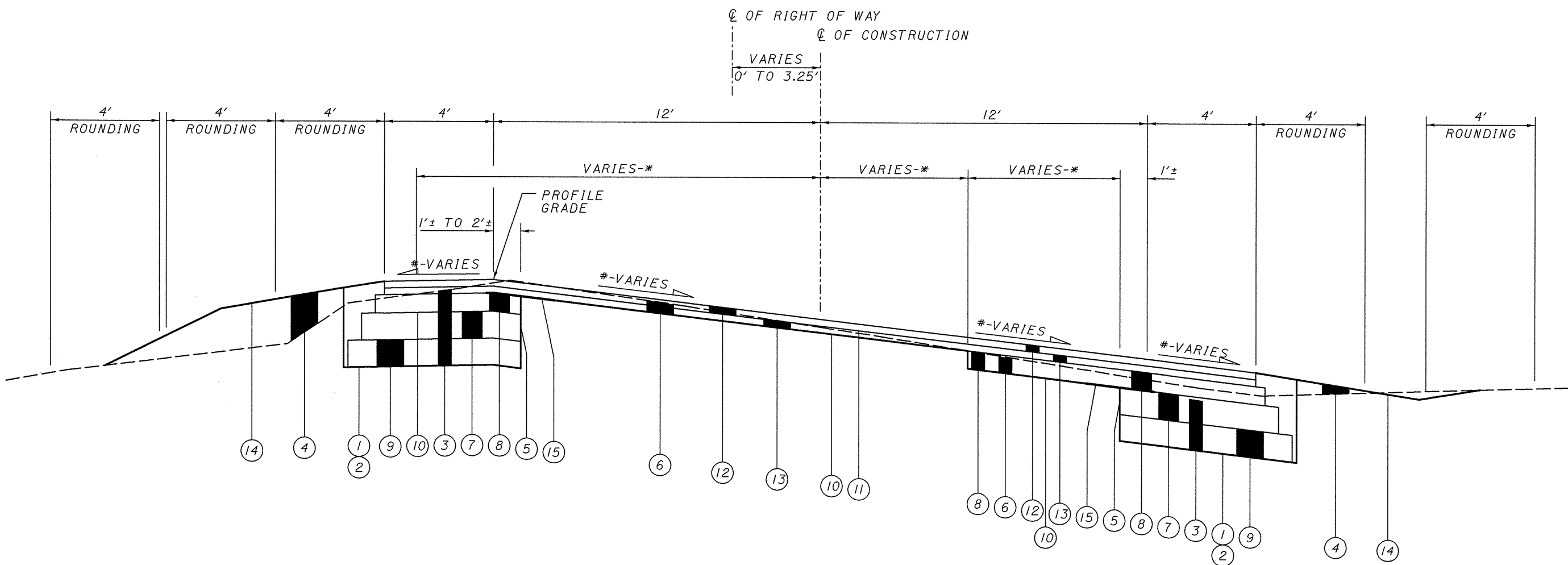
CALCULATED  
SJD  
CHECKED  
MJS

0 10 20 40  
HORIZONTAL SCALE IN FEET

**TRAFFIC CONTROL**  
**STA. 1145+00 - STA 1149+00**

**HUR-20-16.35**  
**LOR-20-0.00**





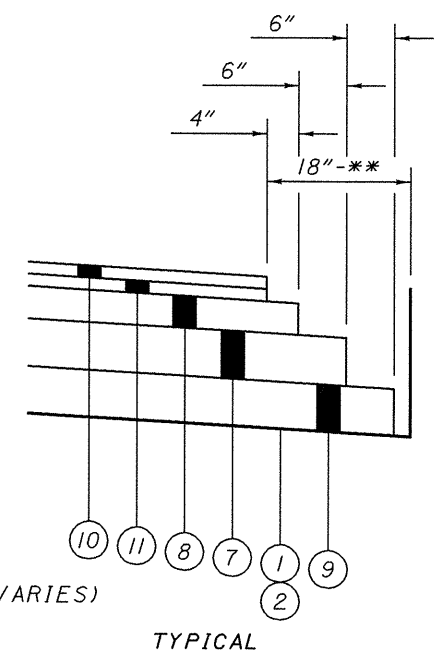
STA 1331+25.00 TO STA. 1333+75.00  
STA 1337+36.52 TO STA. 1338+15.00

TYPICAL 8

- # - SEE CROSS SECTIONS FOR CROSS SLOPE. SEE SUPER ELEVATION TABLE FOR FURTHER INFORMATION.
- \* - SEE CROSS SECTIONS AND PLANING TABLE FOR FURTHER INFORMATION ON LIMITS AND DEPTHS OF PLANING.
- \*\* - EXCAVATION, PROOF ROLLING, AND SUBGRADE COMPACTION SHALL EXTEND 18" BEYOND THE EDGE OF THE PROPOSED ASPHALT CONCRETE SURFACE COURSE, 12.5MM, TYPE A (446) AS STATED IN CMS 204.03.
- \*\* - ITEM 301 ASPHALT CONCRETE BASE, PG64-22 (3.00" - 4.00") SHALL HAVE A DEPTH OF 4.00" ON THE NEW PAVEMENT AREA WHILE HAVING A CONSISTANT 3.00" DEPTH IN PLANED AREA. THE AREA BETWEEN THE 3.00" DEPTH AND THE 4.00" DEPTH SHALL HAVE A VARIABLE DEPTH BETWEEN 3.00" TO 4.00" WHILE MAINTAINING THE PROPOSED CROSS SLOPE.

LEGEND

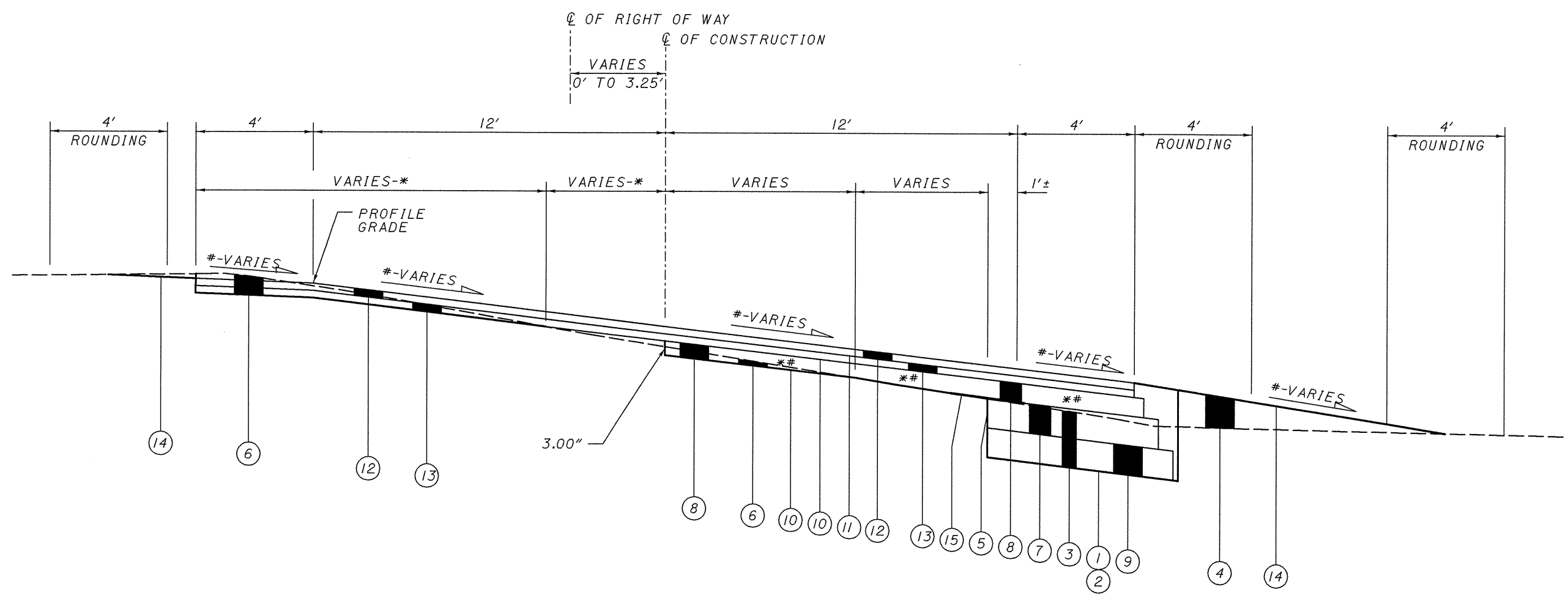
- |  |   |
|--|---|
| ① ITEM 204 - SUBGRADE COMPACTION                                 | ⑨ ITEM 304 - AGGREGATE BASE   |
| ② ITEM 204 - PROOF ROLLING                                       | ⑩ ITEM 407 - TACK COAT  |
| ③ ITEM 203 - EXCAVATION  | ⑪ ITEM 407 - TACK COAT FOR INTERMEDIATE COURSE  |
| ④ ITEM 203 - EMBANKMENT  | ⑫ ITEM 442 - ASPHALT CONCRETE SURFACE COURSE, 12.5MM, TYPE A (446) (1.50")                  |
| ⑤ ITEM 252 - FULL DEPTH PAVEMENT SAWING                          | ⑬ ITEM 442 - ASPHALT CONCRETE INTERMEDIATE COURSE, 19MM, TYPE A (448) (VARIES)              |
| ⑥ ITEM 254 - PAVEMENT PLANING, ASPHALT CONCRETE (VARIABLE)       | ⑭ ITEM 659 - SEEDING AND MULCHING   |
| ⑦ ITEM 301 - ASPHALT CONCRETE BASE, PG64-22, AS PER PLAN (6.00") | ⑮ ITEM 690 - SPECIAL - REINFORCED MESH FOR TRANSVERSE AND/OR LONGITUDINAL JOINTS AND CRACKS |
| ⑧ ITEM 301 - ASPHALT CONCRETE BASE, PG64-22, AS PER PLAN (3.00") |   |



TYPICAL

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 DATE: 10/10/2007  
 DRAWN BY: MRS. J. J. J.





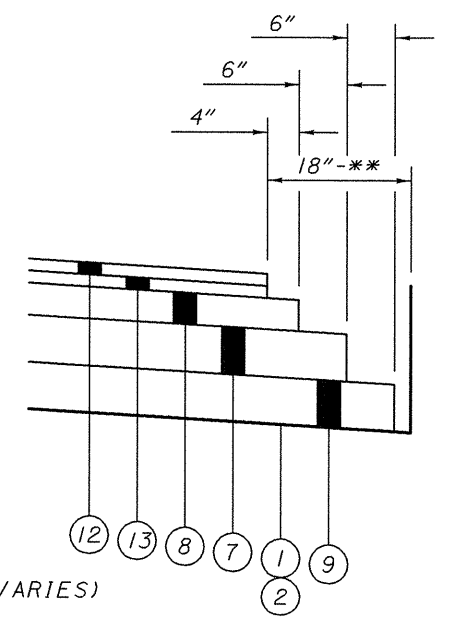
STA 1333+75.00 TO STA. 1337+36.52

TYPICAL 9

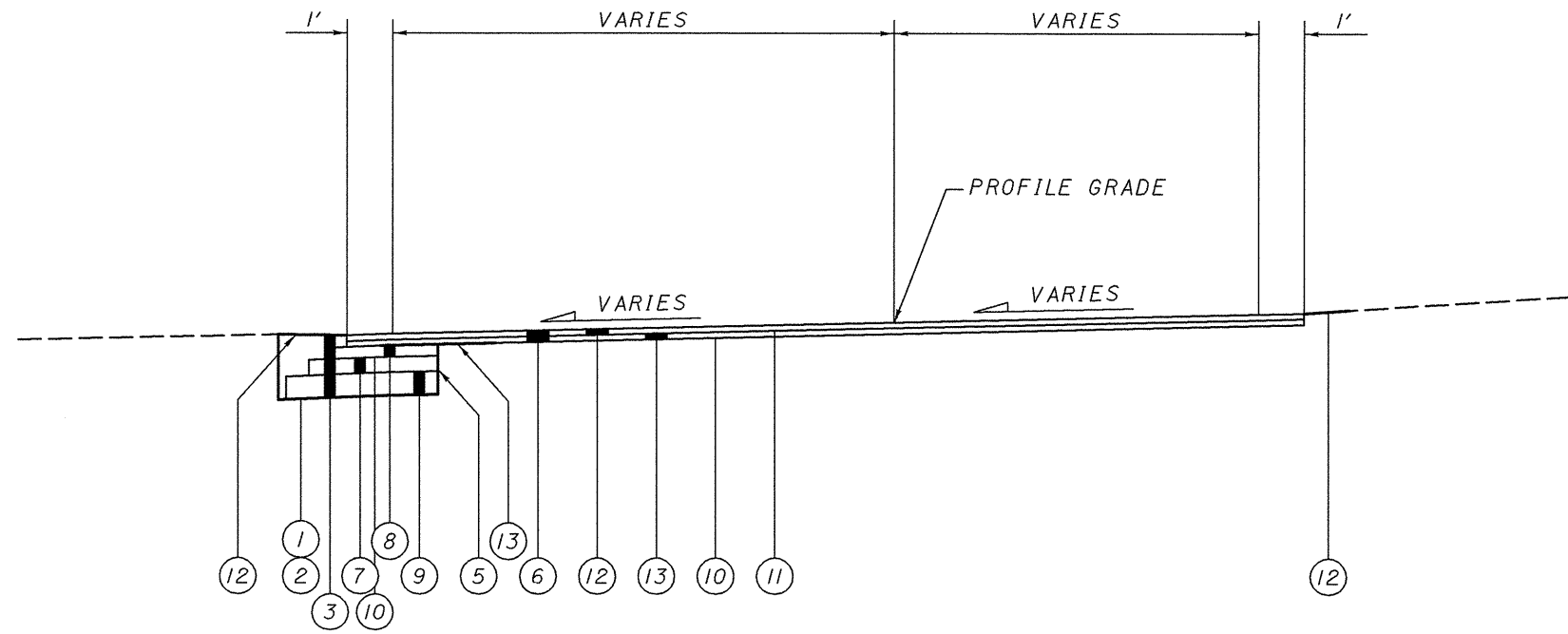
- # - SEE CROSS SECTIONS FOR CROSS SLOPE. SEE SUPER ELEVATION TABLE FOR FURTHER INFORMATION.
- \* - SEE PLAN SHEETS, CROSS SECTIONS, AND PLANING DEPTH TABLE FOR FURTHER INFORMATION ON LIMITS AND DEPTHS OF PLANING AND LIMITS OF ITEM 301, ASPHALT CONCRETE (3.00").
- \*\* - EXCAVATION, PROOF ROLLING, AND SUBGRADE COMPACTION SHALL EXTEND 18" BEYOND THE EDGE OF THE PROPOSED ASPHALT CONCRETE SURFACE COURSE, 12.5MM, TYPE A (446) AS STATED IN CMS 204.03.

LEGEND

- |  |   |
|--|---|
| ① ITEM 204 - SUBGRADE COMPACTION                                 | ⑨ ITEM 304 - AGGREGATE BASE   |
| ② ITEM 204 - PROOF ROLLING                                       | ⑩ ITEM 407 - TACK COAT  |
| ③ ITEM 203 - EXCAVATION  | ⑪ ITEM 407 - TACK COAT FOR INTERMEDIATE COURSE  |
| ④ ITEM 203 - EMBANKMENT  | ⑫ ITEM 442 - ASPHALT CONCRETE SURFACE COURSE, 12.5MM, TYPE A (446) (1.50")                  |
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| ⑦ ITEM 301 - ASPHALT CONCRETE BASE, PG64-22, AS PER PLAN (6.00") | ⑮ ITEM 690 - SPECIAL - REINFORCED MESH FOR TRANSVERSE AND/OR LONGITUDINAL JOINTS AND CRACKS |
| ⑧ ITEM 301 - ASPHALT CONCRETE BASE, PG64-22, AS PER PLAN (3.00") |   |



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 DATE: 10/19/2007  
 DWG: SLD/BJM/11

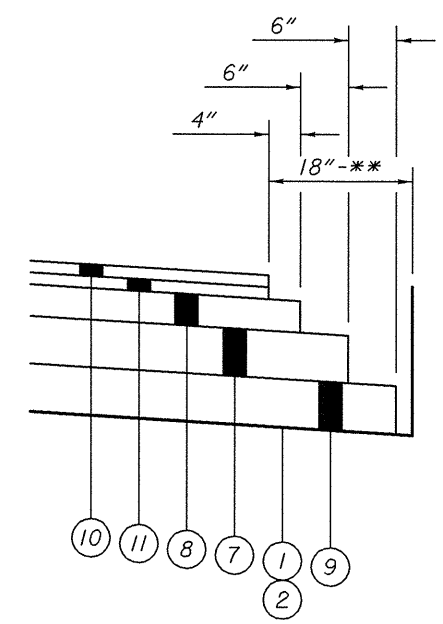


STA 1+50.00 TO STA. 2+68.00

TYPICAL 10

# - SEE CROSS SECTIONS FOR CROSS SLOPE.

\*\* - EXCAVATION, PROOF ROLLING, AND SUBGRADE COMPACTION SHALL EXTEND 18" BEYOND THE EDGE OF THE PROPOSED ASPHALT CONCRETE SURFACE COURSE, 12.5MM, TYPE A (446) AS STATED IN CMS 204.03.



LEGEND

- |  |   |
|--|---|
| ① ITEM 204 - SUBGRADE COMPACTION                                 | ⑨ ITEM 304 - AGGREGATE BASE   |
| ② ITEM 204 - PROOF ROLLING                                       | ⑩ ITEM 407 - TACK COAT  |
| ③ ITEM 203 - EXCAVATION  | ⑪ ITEM 407 - TACK COAT FOR INTERMEDIATE COURSE  |
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| ⑦ ITEM 301 - ASPHALT CONCRETE BASE, PG64-22, AS PER PLAN (6.00") | ⑮ ITEM 690 - SPECIAL - REINFORCED MESH FOR TRANSVERSE AND/OR LONGITUDINAL JOINTS AND CRACKS |
| ⑧ ITEM 301 - ASPHALT CONCRETE BASE, PG64-22, AS PER PLAN (3.00") |   |

TYPICAL SECTION - MAIN ST.  
SLM 25.20 TO 25.34

HUR-20-16.35  
LOR-20-0.00

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DATE: 10/12/2007  
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LEFT SIDE				CENTERLINE CONSTRUCTION			RIGHT SIDE					REMARKS
PROFILE GRADE / EDGE ELEVATION	TRANSITION RATE	CROSSSLOPE	WIDTH	STATION	ELEVATION CORRECTION	CENTERLINE CONSTRUCTION ELEVATION	WIDTH	CROSS SLOPE	ELEVATION CORRECTION	TRANSITION RATE	EDGE ELEVATION	
871.33		0.0160	12.00	1331+25.00	0.192	871.52	12.00	-0.0160	-0.192		871.33	
871.21		0.0160	↑	1331+50.00	0.192	871.40	↑	-0.0160	-0.192		871.21	
871.20		0.0160		1331+53.18	0.192	871.39		-0.0160	-0.192		871.20	
871.14		0.0160		1331+75.00	0.192	871.33		-0.0160	-0.192		871.14	
871.16		0.0160		1331+93.98	0.192	871.35		-0.0160	-0.192		871.16	NORMAL CROWN
871.16	164	0.0129		1332+00.00	0.155	871.32		-0.0160	-0.192		871.12	
871.19	164	0.0089		1332+07.99	0.107	871.30		-0.0160	-0.192		871.10	
871.28	164	0.0003		1332+25.00	0.003	871.28		-0.0160	-0.192		871.09	
871.28	164	0.0000		1332+25.61	0.000	871.28		-0.0160	-0.192		871.09	HALF FLAT
871.50	164	-0.0124		1332+50.00	-0.149	871.35		-0.0160	-0.192		871.16	
871.57	164	-0.0160		1332+57.23	-0.193	871.38		-0.0160	-0.192		871.19	CROWN REMOVED
871.59	164	-0.0168		1332+58.71	-0.202	871.39		-0.0168	-0.201		871.19	
871.74	164	-0.0251		1332+75.00	-0.301	871.44		-0.0250	-0.300	164	871.14	
871.93	164	-0.0377		1333+00.00	-0.453	871.48		-0.0377	-0.452	164	871.03	
872.06	164	-0.0504		1333+25.00	-0.605	871.46		-0.0504	-0.604	164	870.85	
872.12	164	-0.0600		1333+43.98	-0.720	871.40		-0.0600	-0.720	164	870.68	FULL SUPER
872.14		-0.0600		1333+50.00	-0.720	871.42		-0.0600	-0.720		870.70	↑
872.16		-0.0600		1333+75.00	-0.720	871.44		-0.0600	-0.720		870.72	
872.14		-0.0600		1334+00.00	-0.720	871.42		-0.0600	-0.720		870.70	
872.08		-0.0600		1334+25.00	-0.720	871.36		-0.0600	-0.720		870.64	
872.03		-0.0600		1334+50.00	-0.720	871.31		-0.0600	-0.720		870.59	
871.97		-0.0600		1334+75.00	-0.720	871.25		-0.0600	-0.720		870.53	
871.92		-0.0600		1335+00.00	-0.720	871.20		-0.0600	-0.720		870.48	
871.87		-0.0600		1335+25.00	-0.720	871.15		-0.0600	-0.720		870.43	
871.81		-0.0600		1335+50.00	-0.720	871.09		-0.0600	-0.720		870.37	
871.76		-0.0600		1335+75.00	-0.720	871.04		-0.0600	-0.720		870.32	
871.70		-0.0600		1336+00.00	-0.720	870.98		-0.0600	-0.720		870.26	
871.65		-0.0600		1336+25.00	-0.720	870.93		-0.0600	-0.720		870.21	
871.59		-0.0600		1336+50.00	-0.720	870.87		-0.0600	-0.720		870.15	
871.50		-0.0600		1336+75.00	-0.720	870.78		-0.0600	-0.720		870.06	
871.32		-0.0600		1337+00.00	-0.720	870.60		-0.0600	-0.720		869.88	
871.05		-0.0600		1337+25.00	-0.720	870.33		-0.0600	-0.720		869.61	↓
870.91		-0.0600		1337+35.74	-0.720	870.19		-0.0600	-0.720		869.47	FULL SUPER
870.69	164	-0.0528		1337+50.00	-0.633	870.06		-0.0528	-0.633	164	869.42	
870.26	164	-0.0401		1337+75.00	-0.481	869.78		-0.0401	-0.481	164	869.30	
869.73	164	-0.0274		1338+00.00	-0.329	869.40		-0.0274	-0.329	164	869.07	
869.25	164	-0.0161		1338+22.45	-0.193	869.06		-0.0160	-0.192	164	868.87	CROWN REMOVED
869.20	164	-0.0148		1338+25.00	-0.177	869.02		-0.0160	-0.192		868.83	
868.73	164	-0.0021		1338+50.00	-0.025	868.70		-0.0160	-0.192		868.51	
868.65	164	0.0000		1338+54.11	0.000	868.65		-0.0160	-0.192		868.46	HALF FLAT
868.32	164	0.0106		1338+75.00	0.127	868.45		-0.0160	-0.192		868.25	
868.16	164	0.0160		1338+85.74	0.192	868.35		-0.0160	-0.192		868.16	NORMAL CROWN
867.97		0.0160		1339+00.00	0.192	868.16		-0.0160	-0.192		867.97	
867.67		0.0160		1339+23.65	0.192	867.86		-0.0160	-0.192		867.67	
867.34		0.0160	12.00	1339+50.00	0.192	867.53	12.00	-0.0160	-0.192		867.34	

SUPERELEVATION TABLE

HUR-20-16.35  
LOR-20-0.00

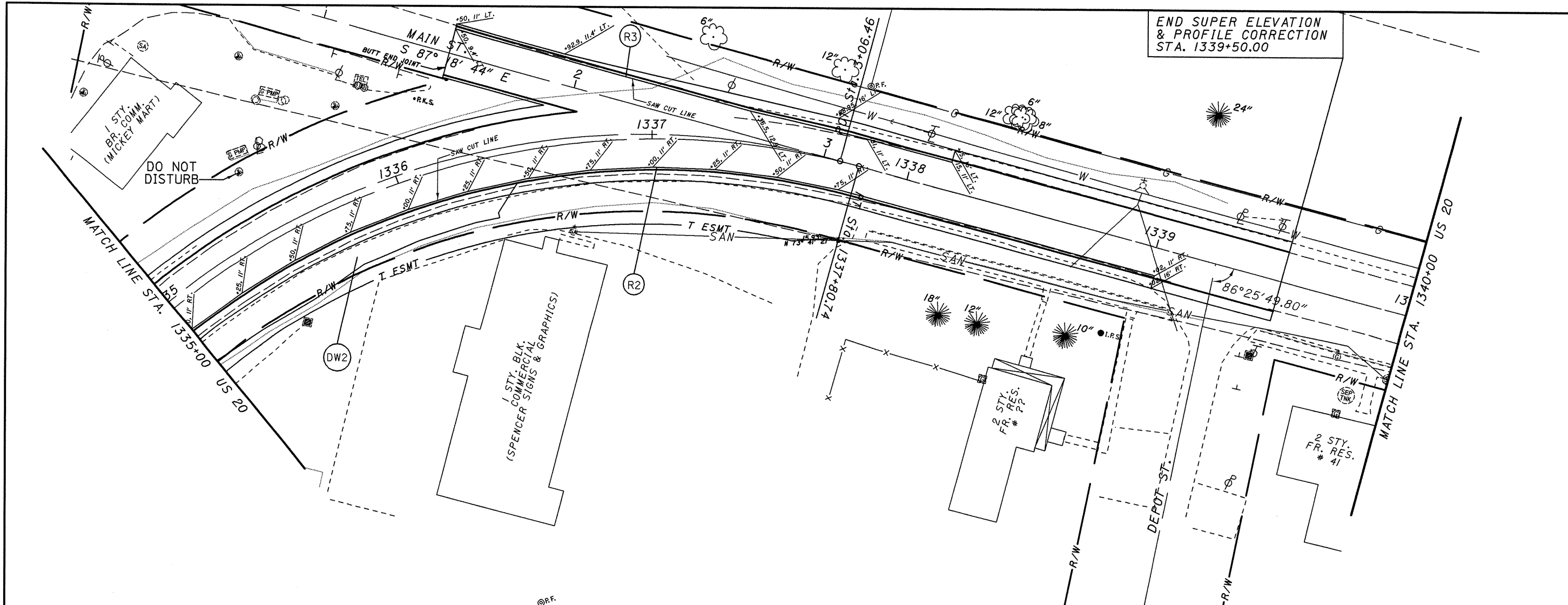




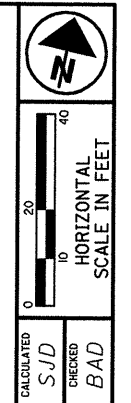




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 DATE: 10/19/00



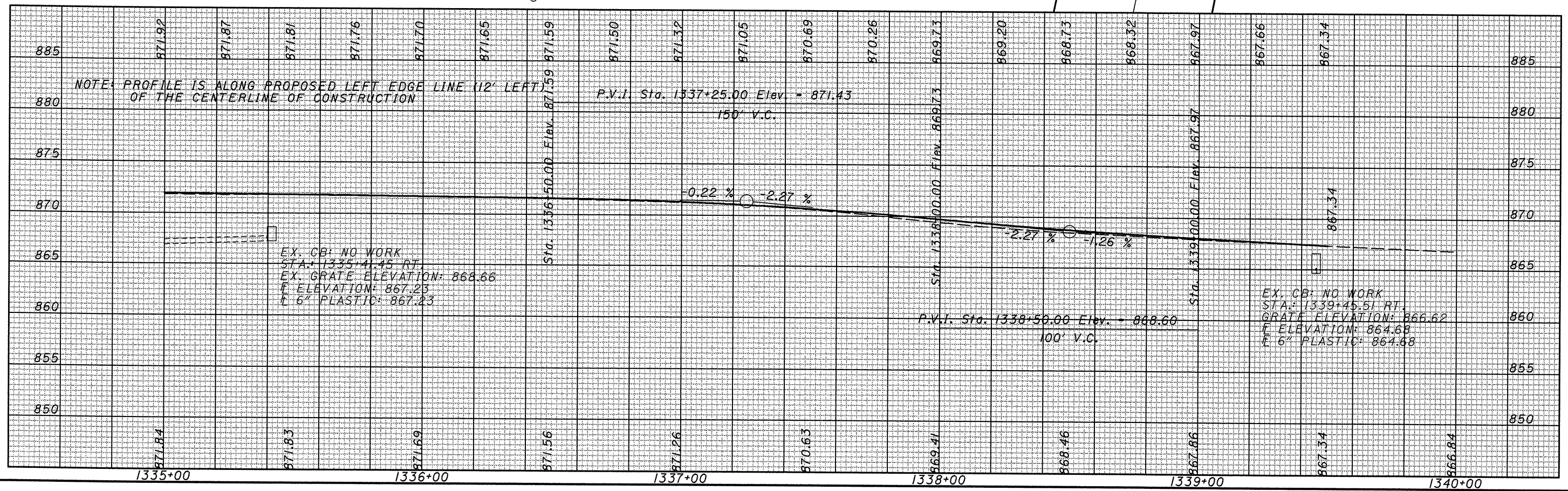
END SUPER ELEVATION  
 & PROFILE CORRECTION  
 STA. 1339+50.00



PLAN AND PROFILE  
 US 20 STA. 1335+00 TO STA. 1340+00

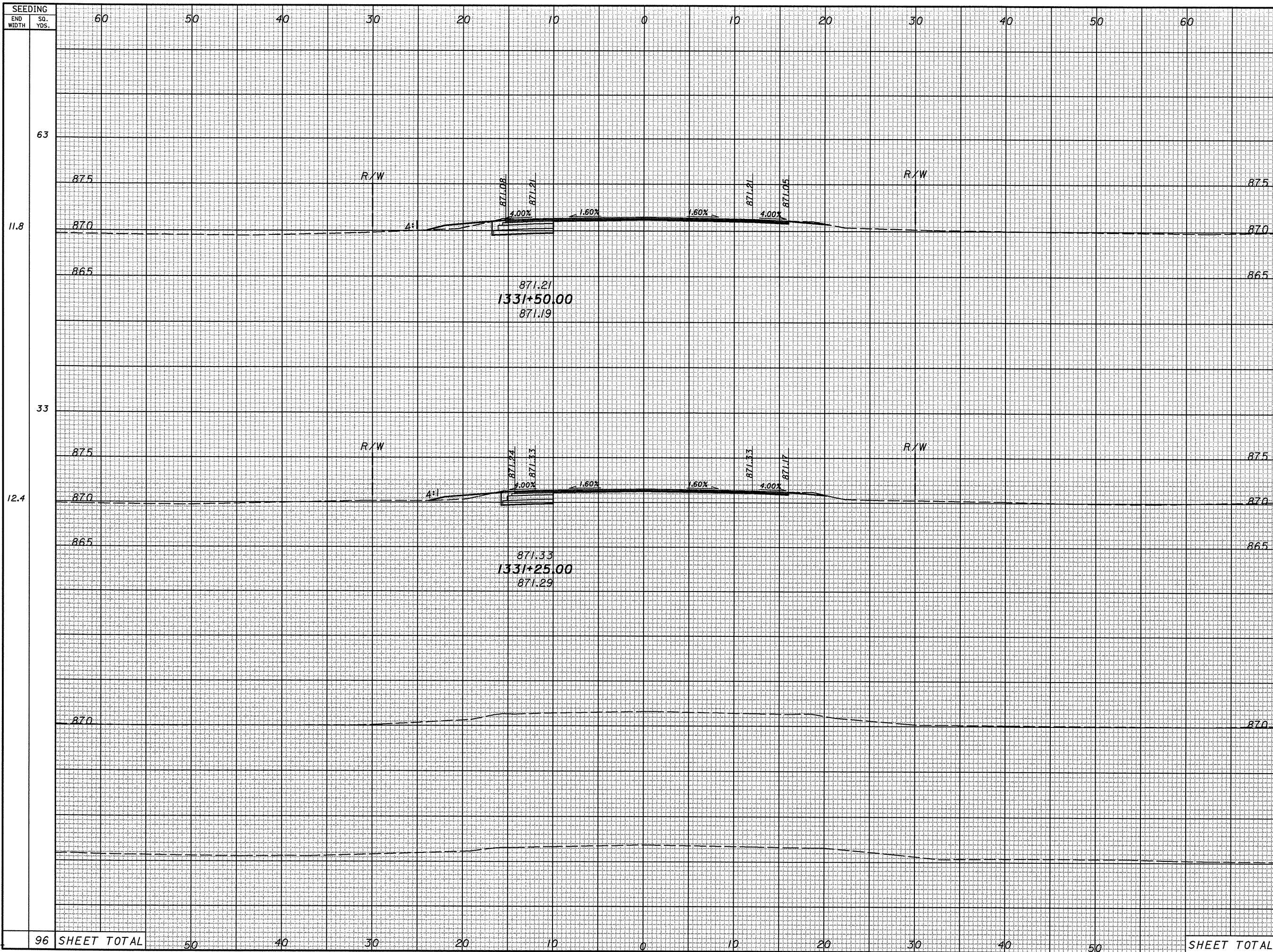
HUR-20-16.35  
 LOR-20-0.00

59  
 107





DESIGN FILE: I:\projects\77284\77284XS002.dgn  
 WORKSHEET: DWG: 10/10/2007



SEEDING END WIDTH	SQ. YDS.	END AREA		VOLUME		CALCULATED SJD	CHECKED BAD
		CUT	FILL	CUT	FILL		
63	11.8			17	2		
33	12.4			16	2		
						15	2
						0	0
96	SHEET TOTAL	50	40			15	2

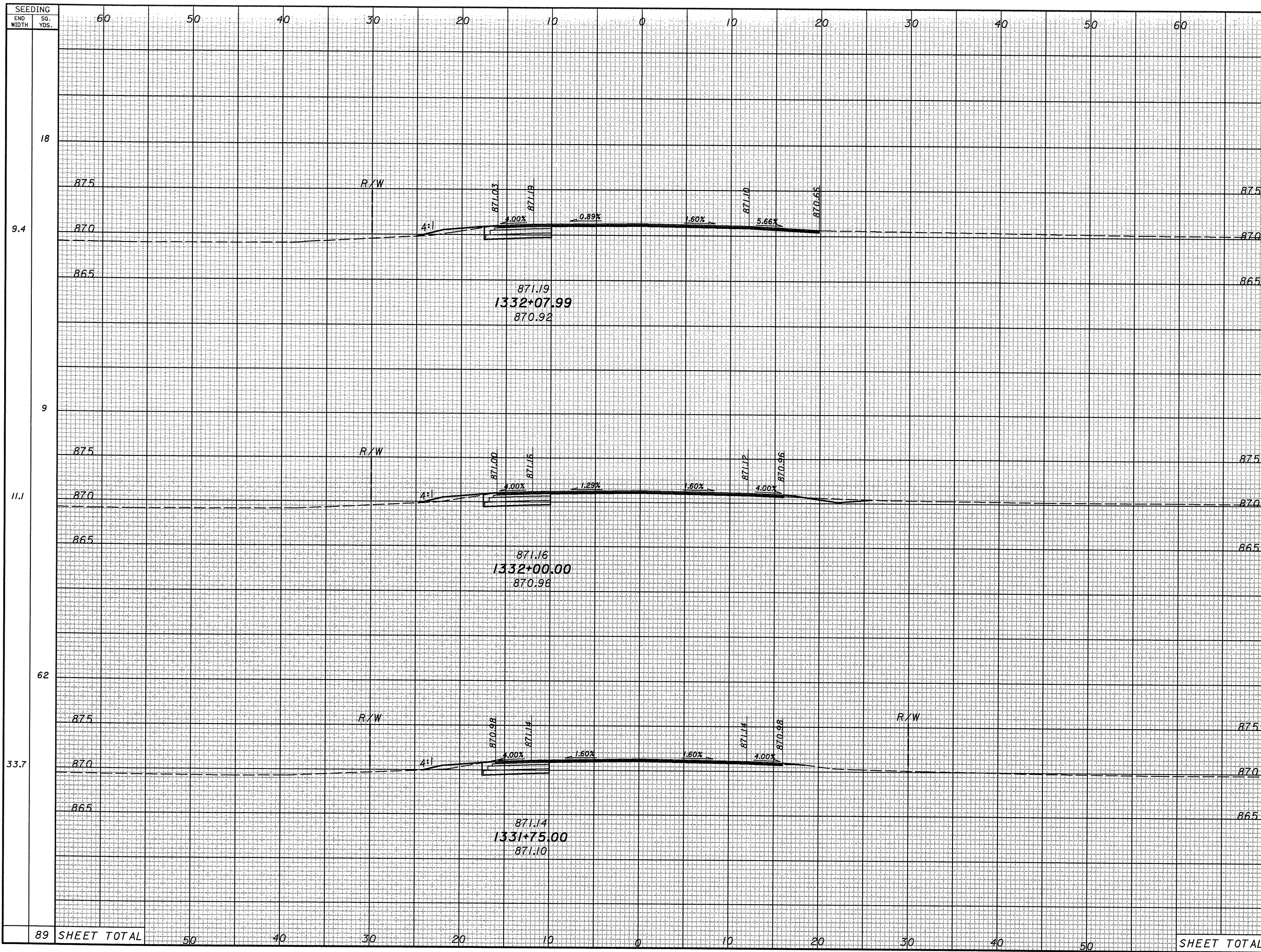
CROSS SECTIONS  
 STA. 1330+50 TO STA. 1331+50

HUR-20-16.35  
 LOR-20-0.00

60  
107



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DATE: 10/10/2007  
DRAWN BY: MURKINSON



END CUT	AREA FILL	VOLUME	
		CUT	FILL
14	2		
		4	1
13	2		
		20	2
29	2		
		22	2
SHEET TOTAL		46	5

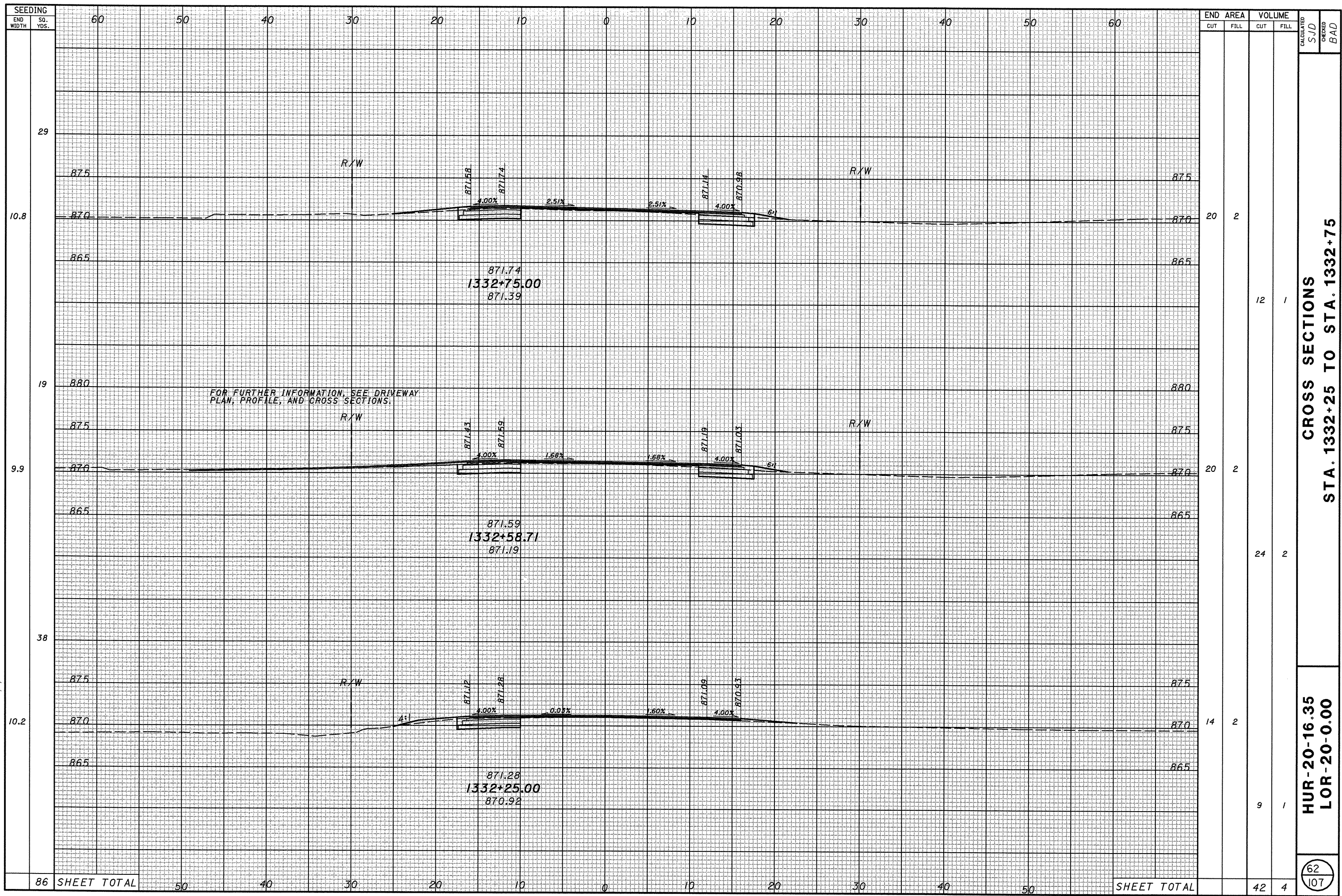
CROSS SECTIONS  
STA. 1331+75 TO STA. 1332+07.99

HUR-20-16.35  
LOR-20-0.00

61  
107

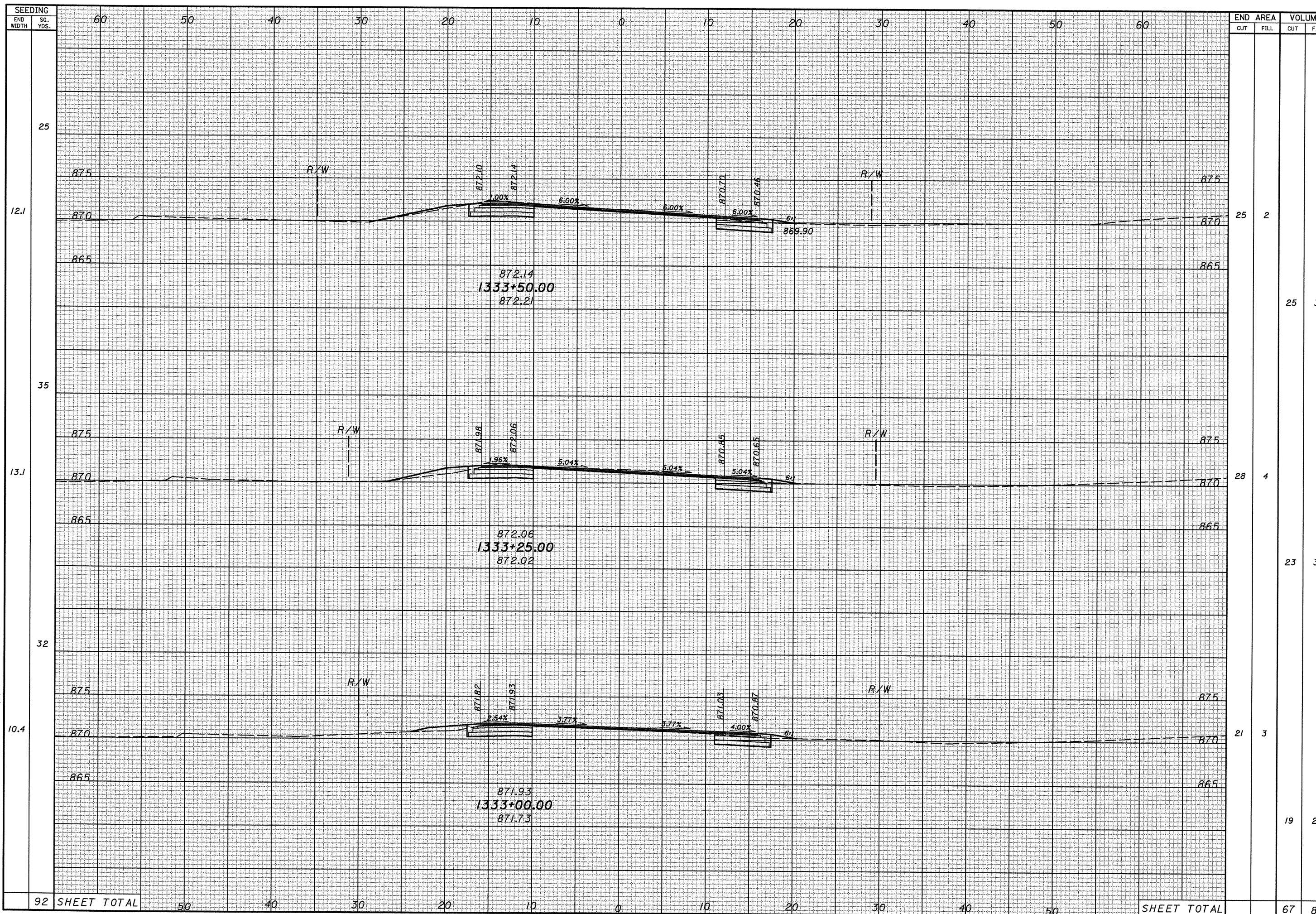


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 DWG: 10/10/2007  
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 DATE: 10/10/07  
 DRAWN: [unintelligible]



92	SHEET TOTAL	50	40	30	20	10	0	10	20	30	40	50	SHEET TOTAL
----	-------------	----	----	----	----	----	---	----	----	----	----	----	-------------

END STA.	AREA		VOLUME		CALCULATED S/D	CHECKED BAD
	CUT	FILL	CUT	FILL		
1333+00	25	2				
1333+25	28	4				
1333+50	21	3				
<b>TOTAL</b>	<b>67</b>	<b>8</b>				

**CROSS SECTIONS**  
**STA. 1333+00 TO STA. STA. 1333+50**

**HUR-20-16.35**  
**LOR-20-0.00**

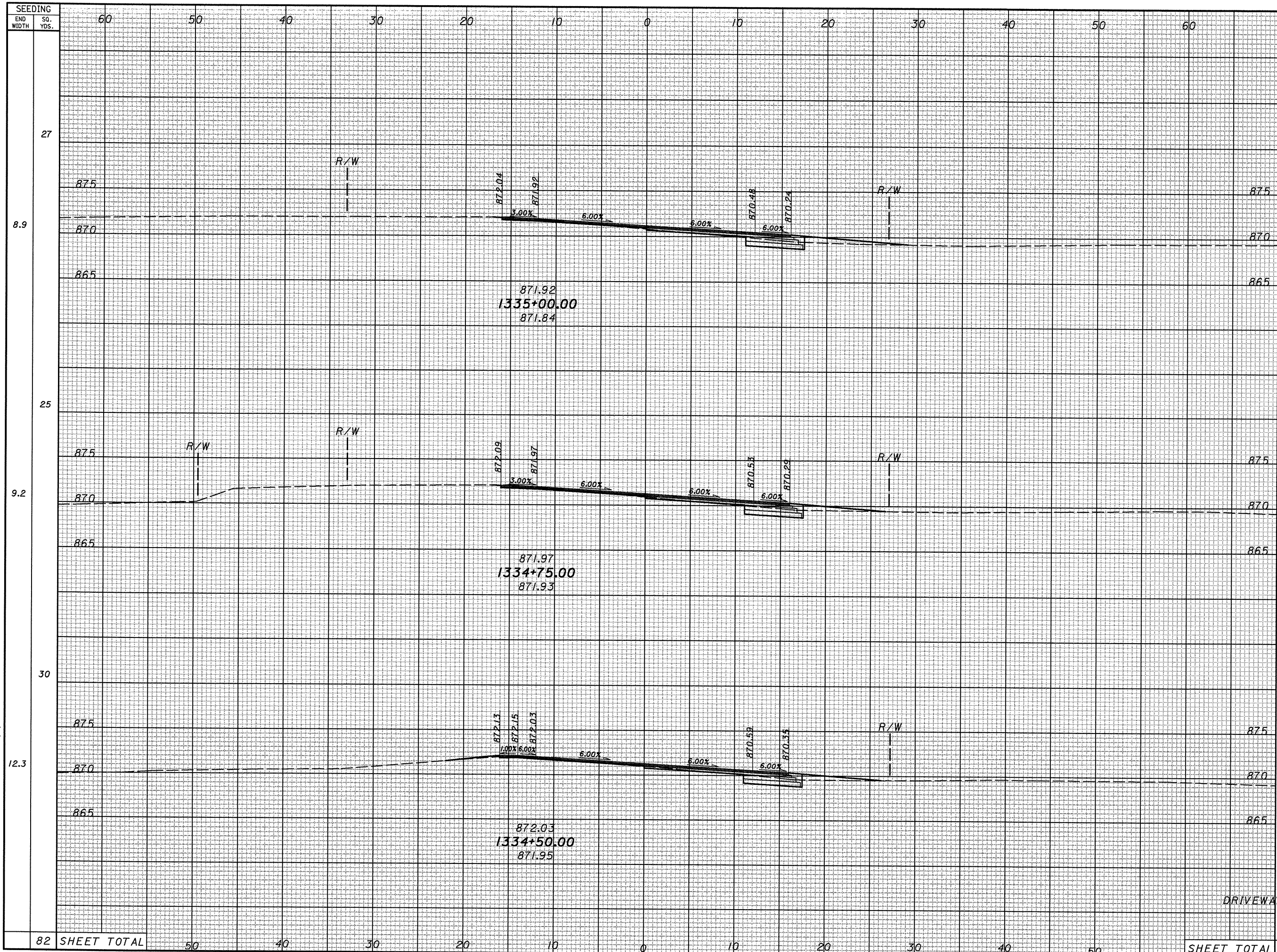
63  
107







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DATE: 10/10/2007  
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SEEDING	END WIDTH		SQ. YDS.		END AREA		VOLUME							
	CUT	FILL	CUT	FILL	CUT	FILL	CUT	FILL						
27	8	3	8	3	8	3	8	3						
25	8	3	8	3	8	3	8	3						
30	8	3	8	3	8	3	8	3						
12.3	8	3	8	3	8	3	8	3						
82 SHEET TOTAL	50	40	30	20	10	0	10	20	30	40	50	SHEET TOTAL	23	8

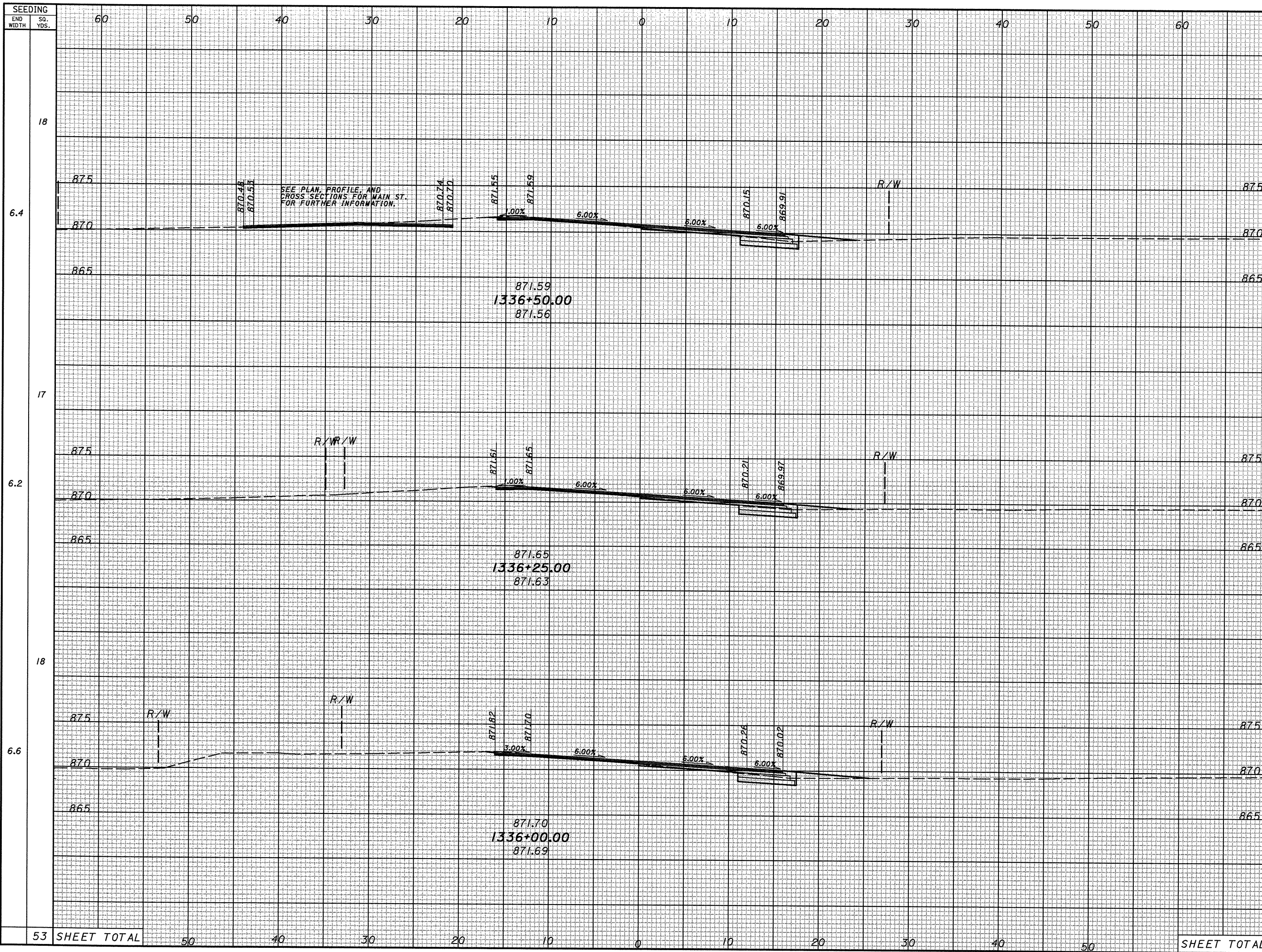
CALCULATED S/D  
 CHECKED BAD  
**CROSS SECTIONS**  
**STA. 1334+50 TO STA. 1335+00**  
**HUR-20-16.35**  
**LOR-20-0.00**  
 65  
 107







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 DATE: 10/10/2007  
 DWG: 10/10/2007

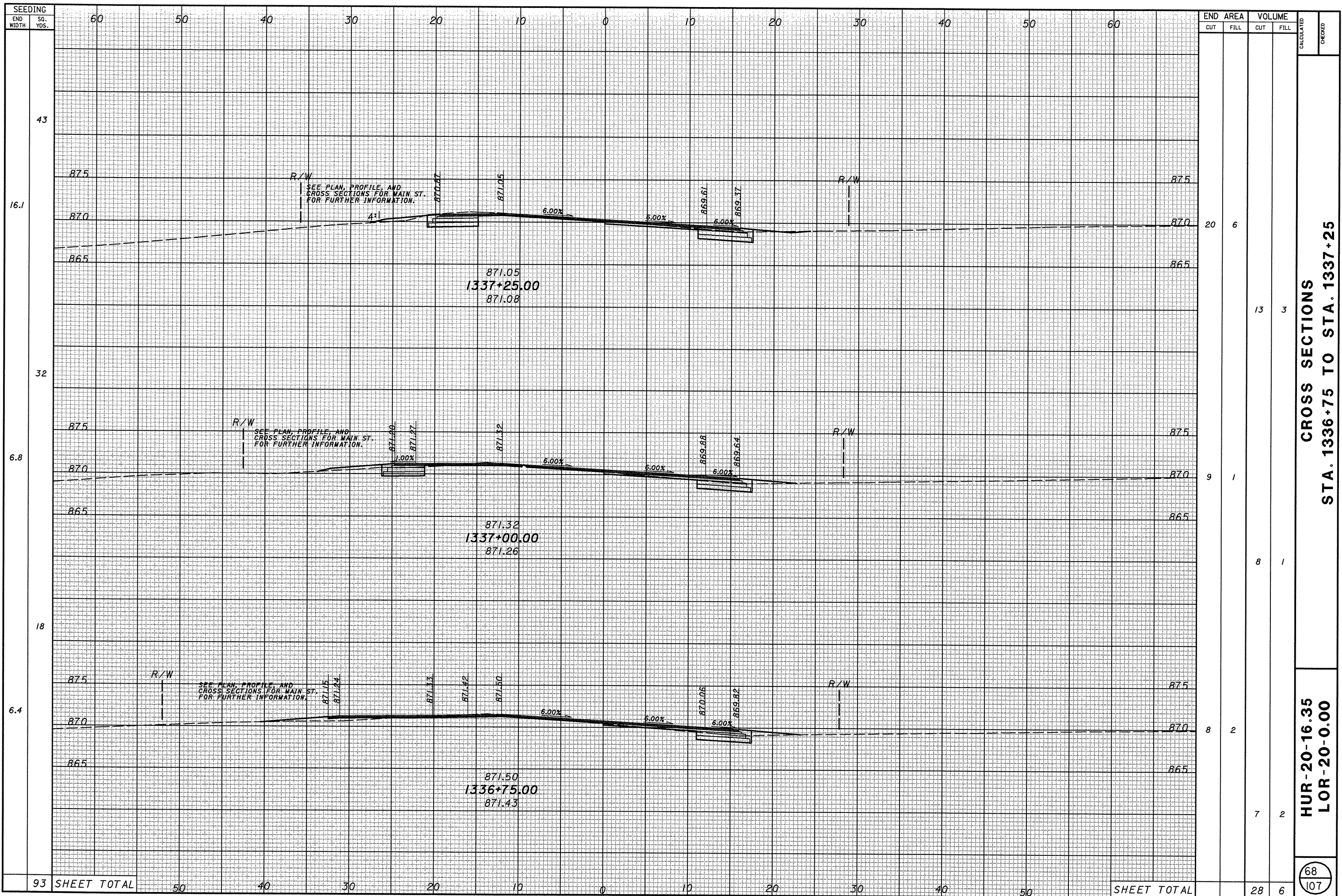


SEEDING	END AREA		VOLUME	
	CUT	FILL	CUT	FILL
60				
50				
40				
30				
20				
10				
0				
10				
20				
30				
40				
50				
60				
53 SHEET TOTAL	8	2	8	2
SHEET TOTAL	24	6		

CROSS SECTIONS  
 STA. 1336+00 TO STA. 1336+50  
 HUR-20-16.35  
 LOR-20-0.00



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 DATE: 10/10/2007  
 DWG: 10/10/2007

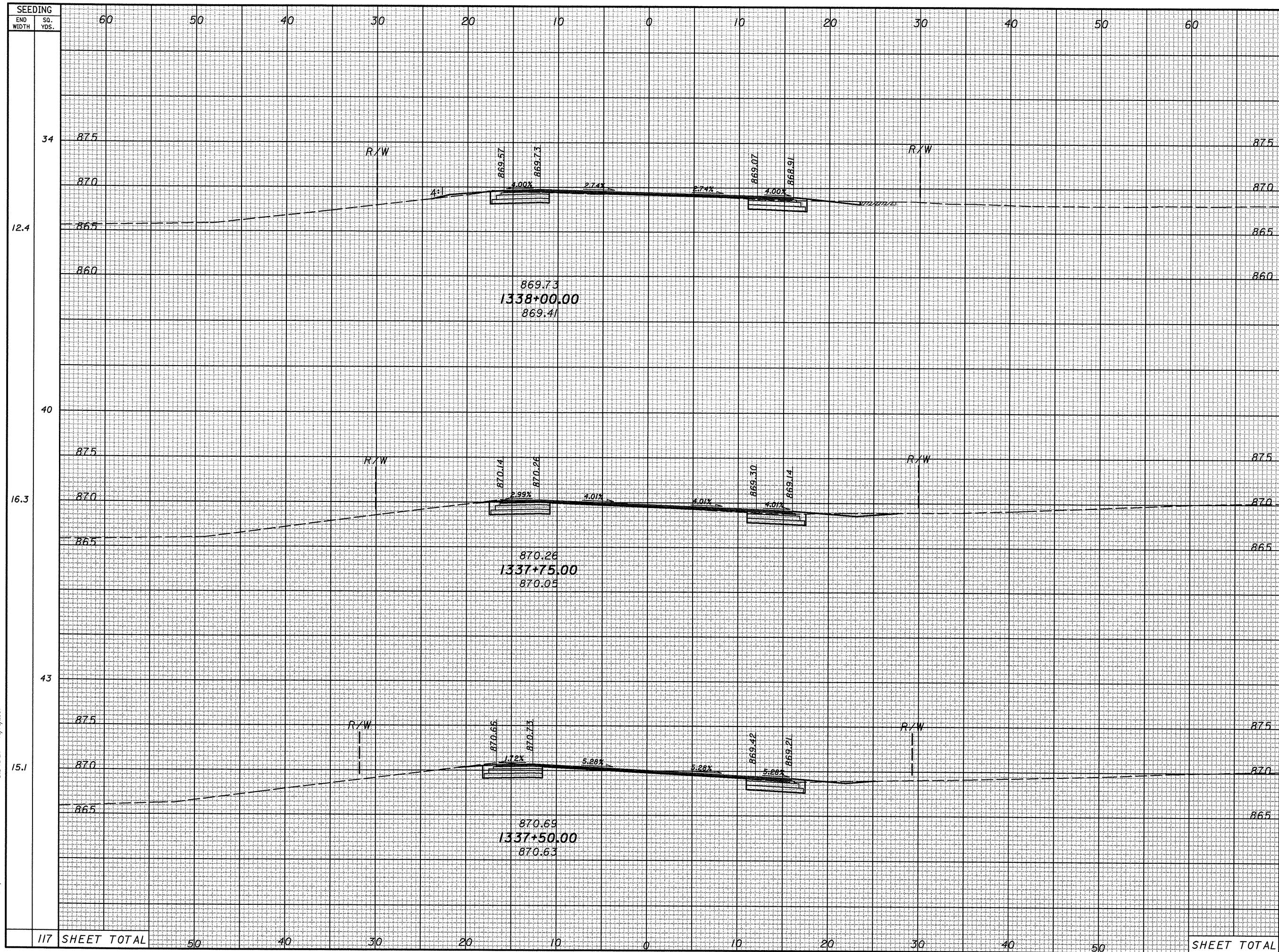


**CROSS SECTIONS**  
**STA. 1336+75 TO STA. 1337+25**

**HUR-20-16.35**  
**LOR-20-0.00**



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 DATE: 10/10/2007  
 DWG: 10/10/2007

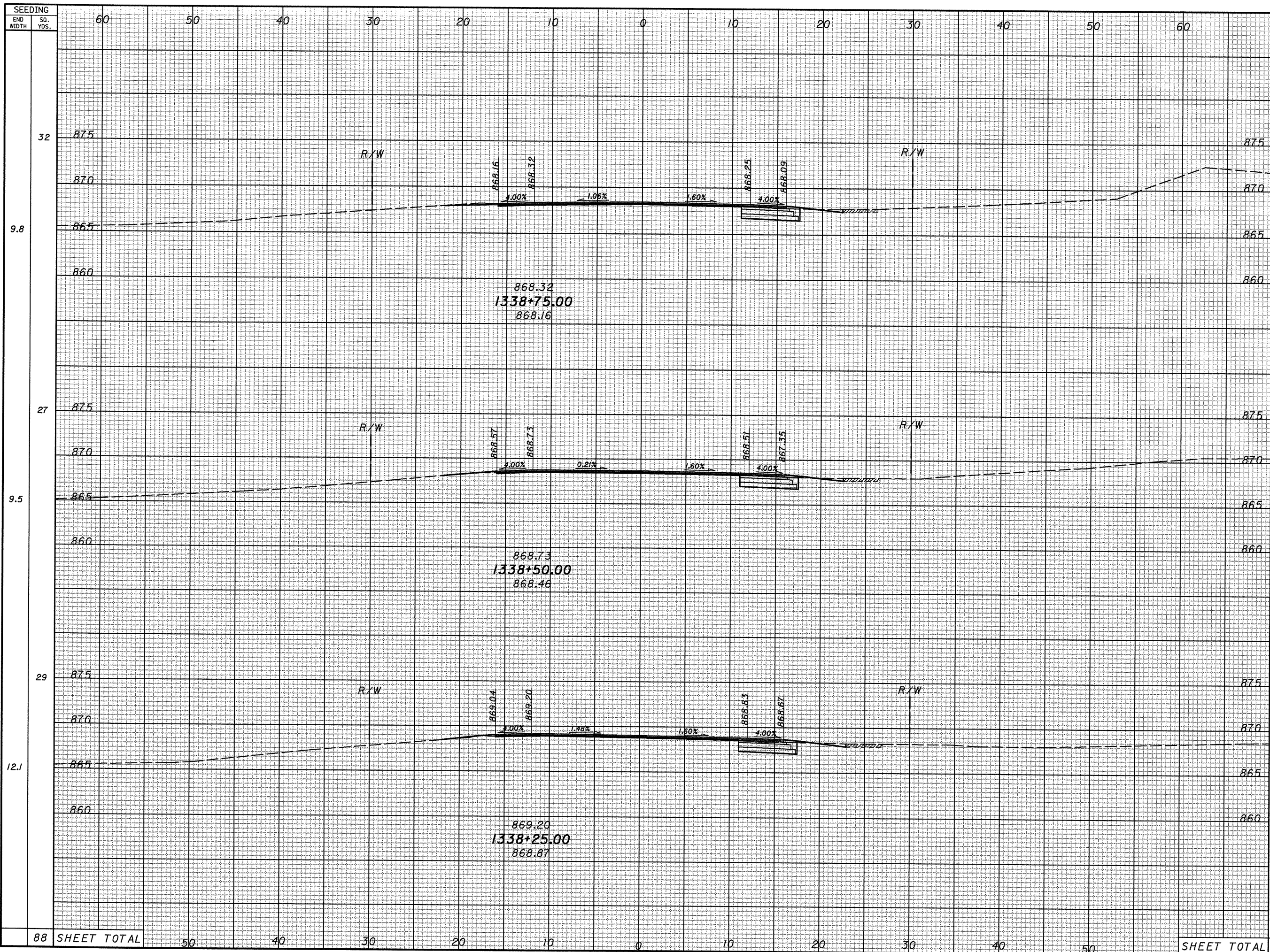


SEEDING END WIDTH	SQ. YDS.	END AREA		VOLUME	
		CUT	FILL	CUT	FILL
12.4		21	1		
16.3		24	0		
15.1		25	0		
117	SHEET TOTAL	50	40	30	20
		65	4		

CALCULATED S/D  
 CHECKED BAD  
**CROSS SECTIONS**  
**STA. 1337+50 TO STA. 1338+00**  
**HUR-20-16.35**  
**LOR-20-0.00**  
 69  
 107



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 DWG: 10/10/07  
 mod: 10/10/07



SEEDING END WIDTH	SO. YDS.	END AREA		VOLUME	
		CUT	FILL	CUT	FILL
32	9.8	13	0	13	0
27	9.5	16	0	14	0
29	12.1	14	1	17	1
88	SHEET TOTAL	50	40	30	20
				44	1

**CROSS SECTIONS**  
**STA. 1338+25 TO STA. 1338+75**

**HUR-20-16.35**  
**LOR-20-0.00**

70  
107

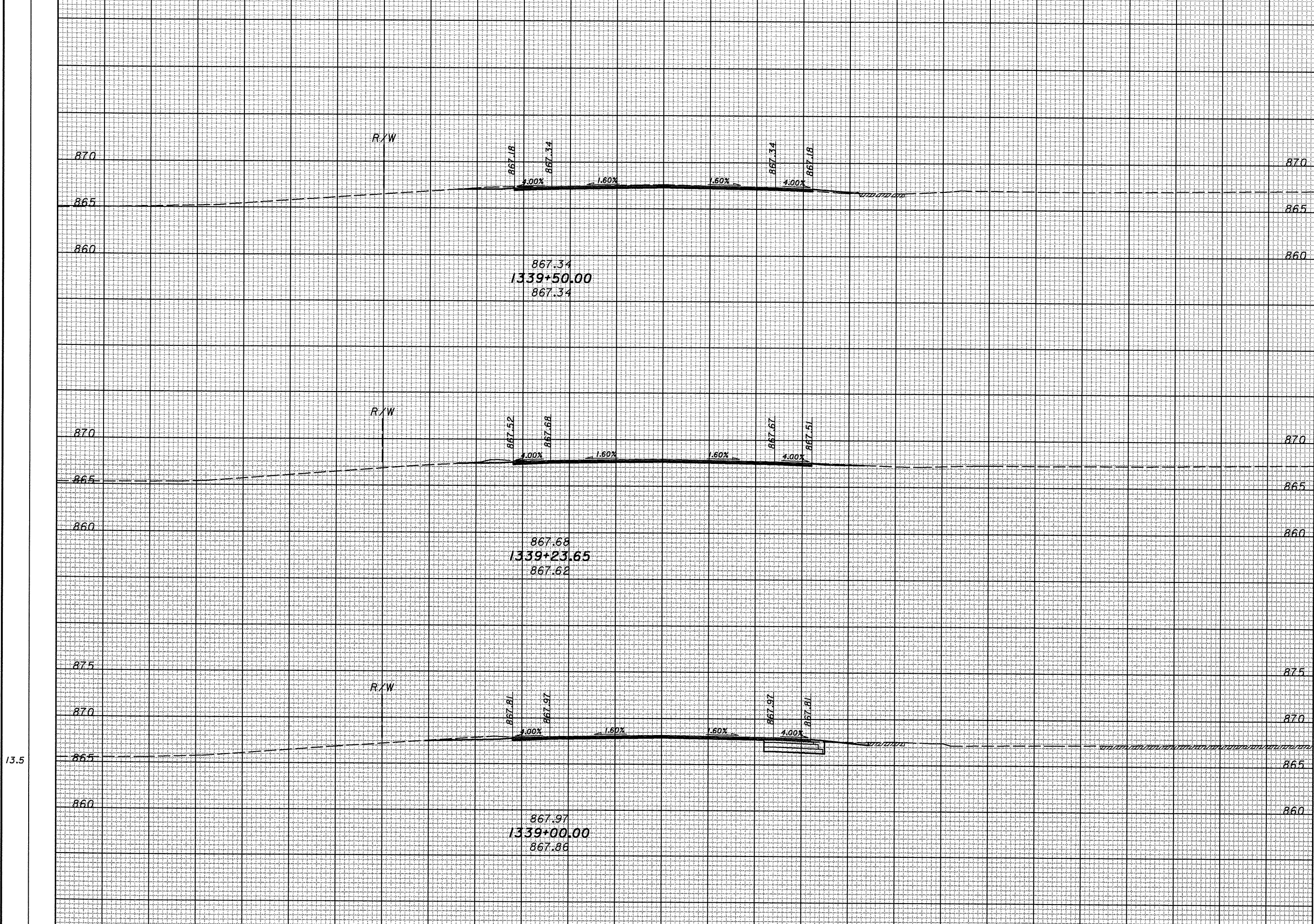


SEEDING  
END WIDTH SQ. YDS.

60 50 40 30 20 10 0 10 20 30 40 50 60

END AREA VOLUME  
CUT FILL CUT FILL

CALCULATED  
SJD  
CHECKED  
BAD



END WIDTH	SQ. YDS.	CUT	FILL	CUT	FILL
60					
50					
40					
30					
20					
10					
0					
10					
20					
30					
40					
50					
60					
SHEET TOTAL		13	0	14	0

CROSS SECTIONS  
STA. 1339+00 TO STA. 1339+50

HUR-20-16.35  
LOR-20-0.00

71  
107

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DATE: 10/10/2007  
DRAWN BY: mshar

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SHEET TOTAL

50 40 30 20 10 0 10 20 30 40 50

SHEET TOTAL

13

0