

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

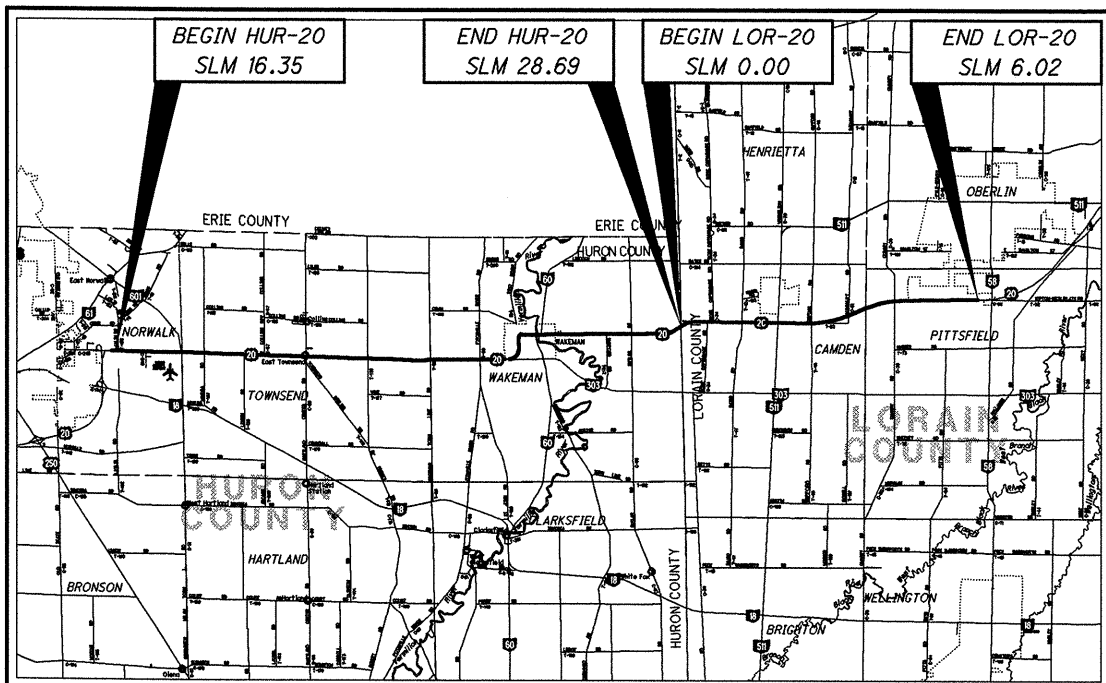
**PROJECT DESCRIPTION**

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**

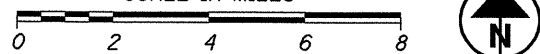
THE STANDARD SPECIFICATIONS OF THE STATE OF OHIO, DEPARTMENT OF TRANSPORTATION, INCLUDING CHANGES AND SUPPLEMENTAL SPECIFICATIONS LISTED IN THE PROPOSAL SHALL GOVERN THIS IMPROVEMENT.



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

**INDEX OF SHEETS:**

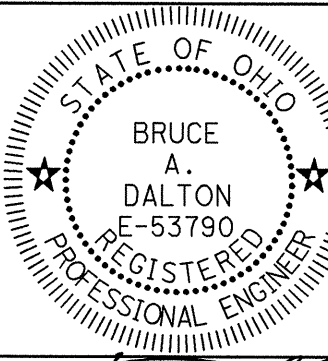
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ENGINEERS SEAL:

**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		
DM-4.4	7/19/02	MT-96.10	4/19/02	TC-71.10	1/19/07	953	4-15-05
		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				

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: 10/18/07  
DISTRICT DEPUTY DIRECTOR

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

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

FEDERAL PROJECT NO.  
E040(593)

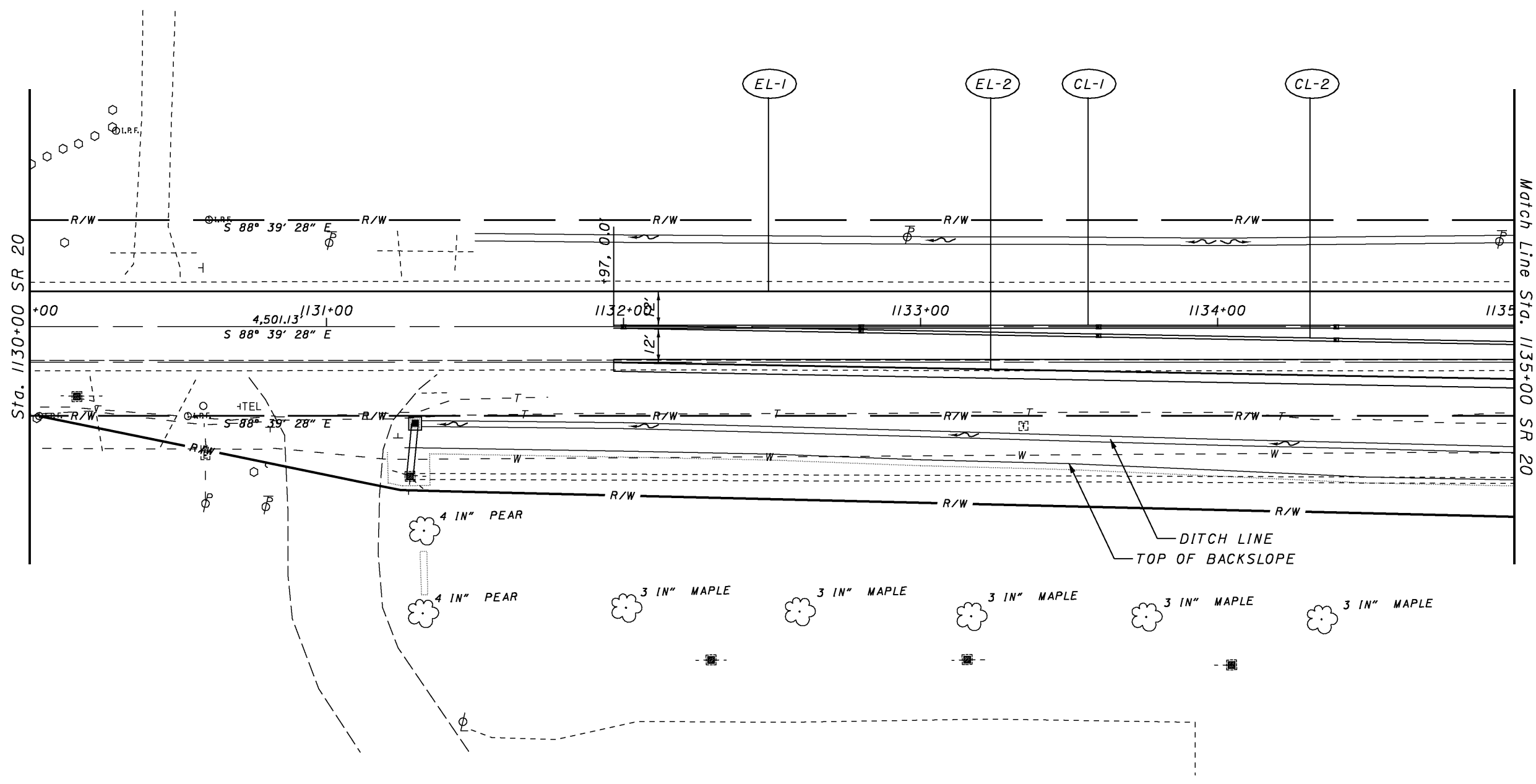
PID NO.  
77284

CONSTRUCTION PROJECT NO.  
NONE

RAILROAD INVOLVEMENT  
NONE

HUR-20-16.35  
LOR-20-0.00

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 11/15/2007



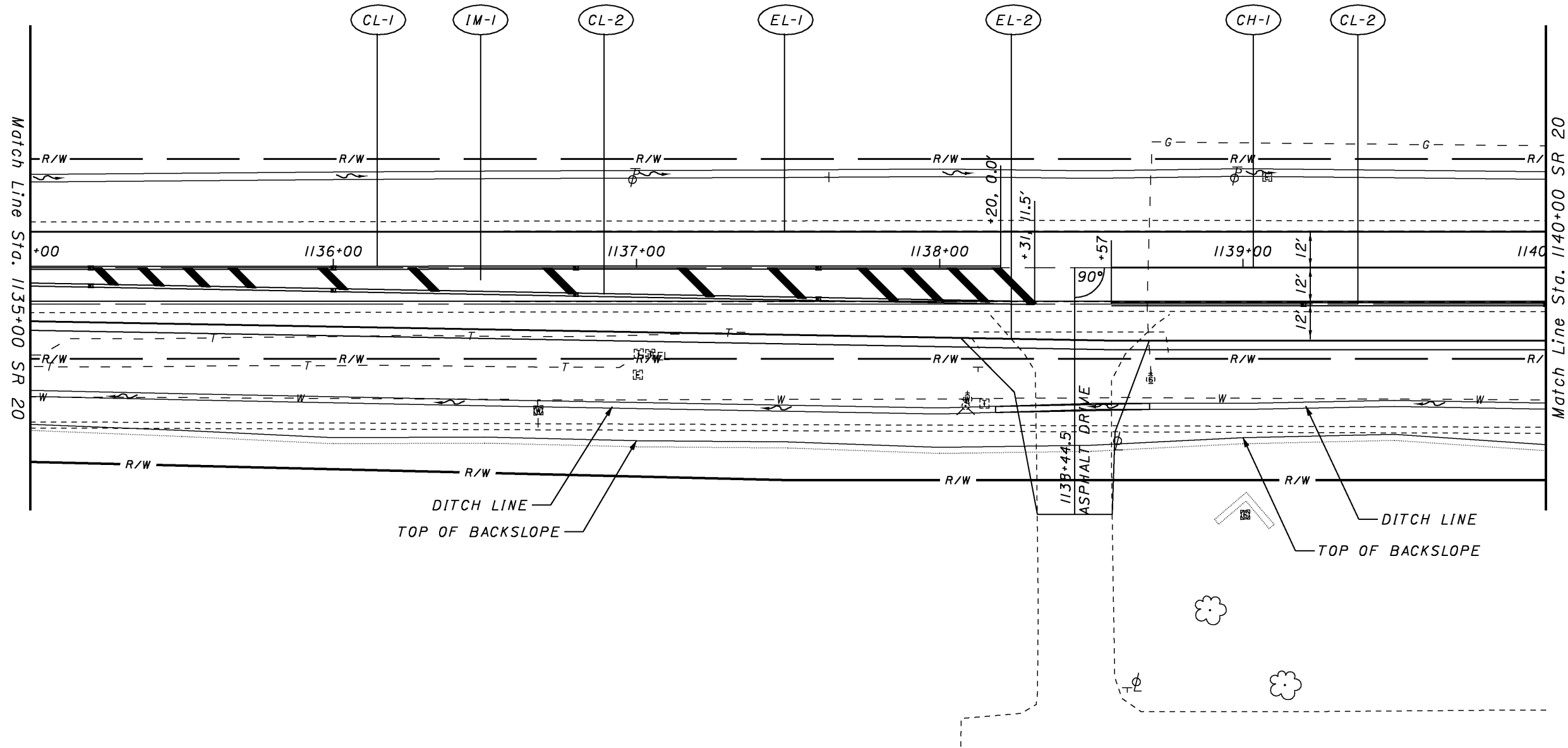
CALCULATED  
SJD  
CHECKED  
MJS

0 10 20 40  
HORIZONTAL  
SCALE IN FEET

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

HUR-20-16.35  
 LOR-20-0.00

49  
107



CALCULATED  
SJD

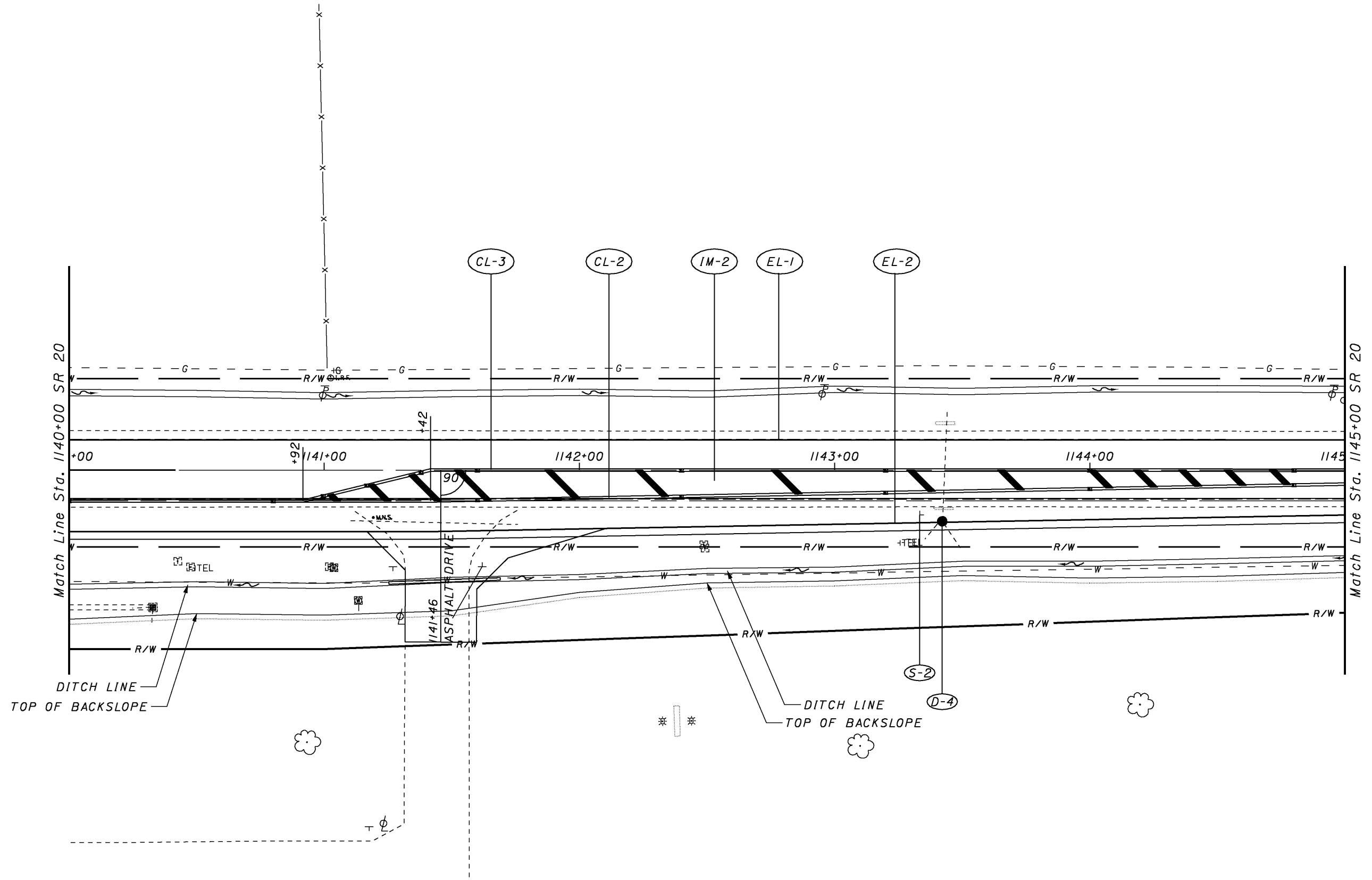
CHECKED  
MJS

0 10 20 40  
HORIZONTAL  
SCALE IN FEET

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

HUR-20-16.35  
 LOR-20-0.00

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CALCULATED  
SJD  
CHECKED  
MJS

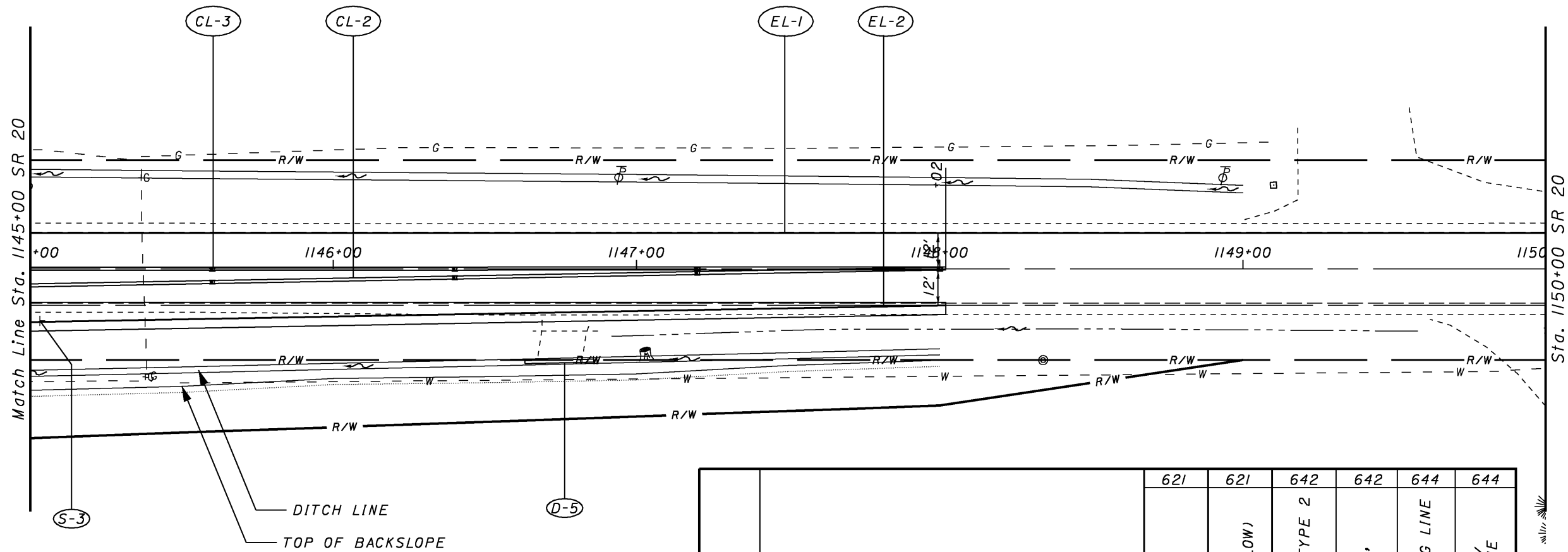
0 10 20 40  
HORIZONTAL  
SCALE IN FEET

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

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



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 11/15/2007



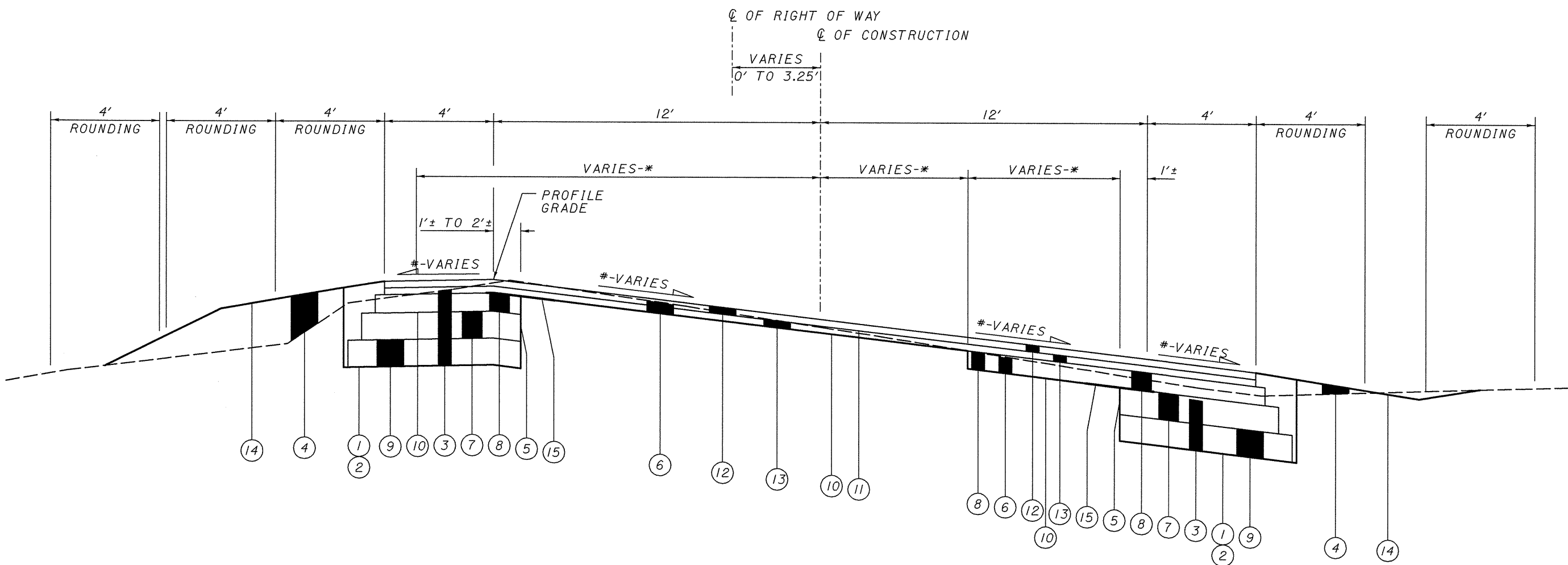
REF NO.	STATION TO STATION		621	621	642	642	644	644
			RPM (WHITE/RED)	RPM (YELLOW/YELLOW)	EDGE LINE, TYPE 2	CENTER LINE, TYPE 2	CHANNELIZING LINE	TRANSVERSE/DIAGONAL LINE
			EACH	EACH	MILE	MILE	FT	FT
CL-1	1131+96 US 20	1138+20 US 20		8		0.08		
CL-2	1131+96 US 20	1148+02 US 20		18		0.30		
CL-3	1140+91 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**



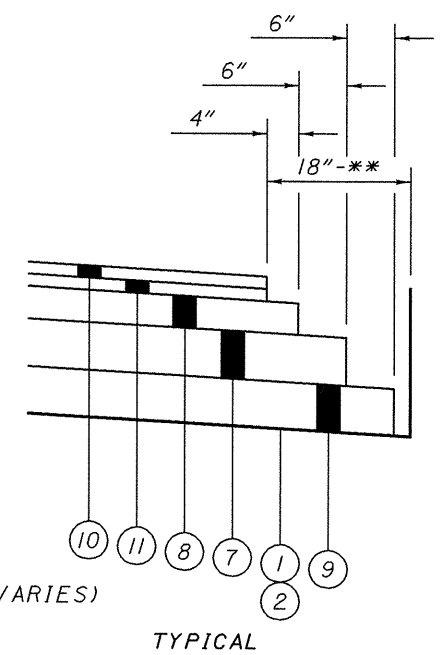
STA 1331+25.00 TO STA. 1333+75.00  
STA 1337+36.52 TO STA. 1338+15.00

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.

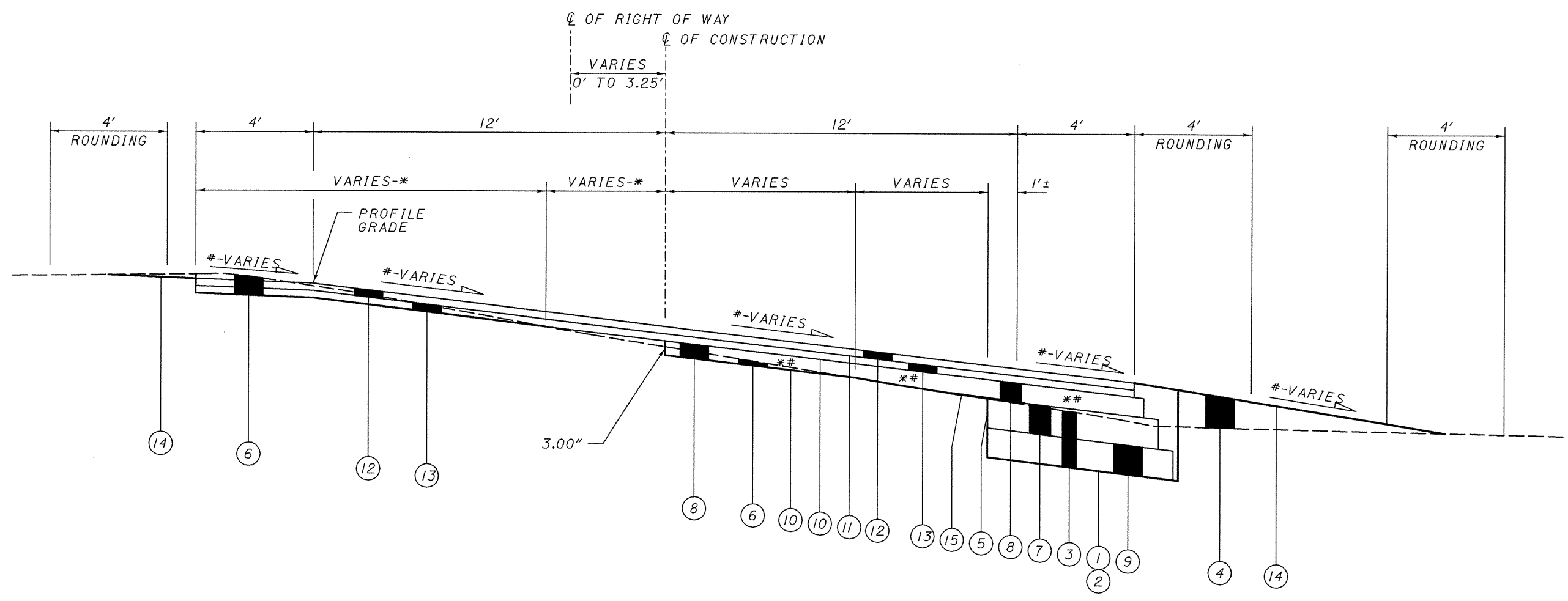
LEGEND

- |  |   |
|--|---|
| 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: MORGAN



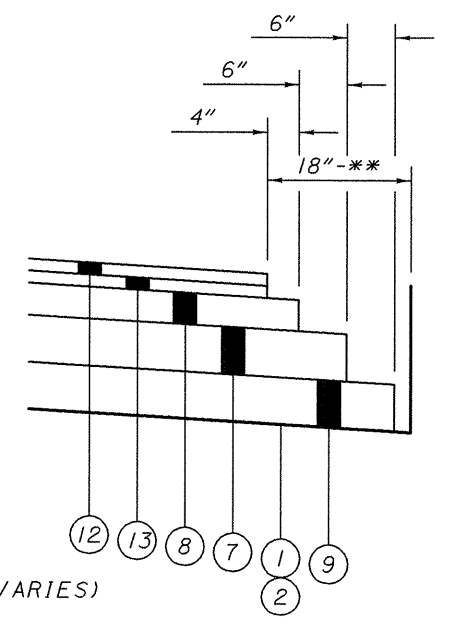
STA 1333+75.00 TO STA. 1337+36.52

TYPICAL 9

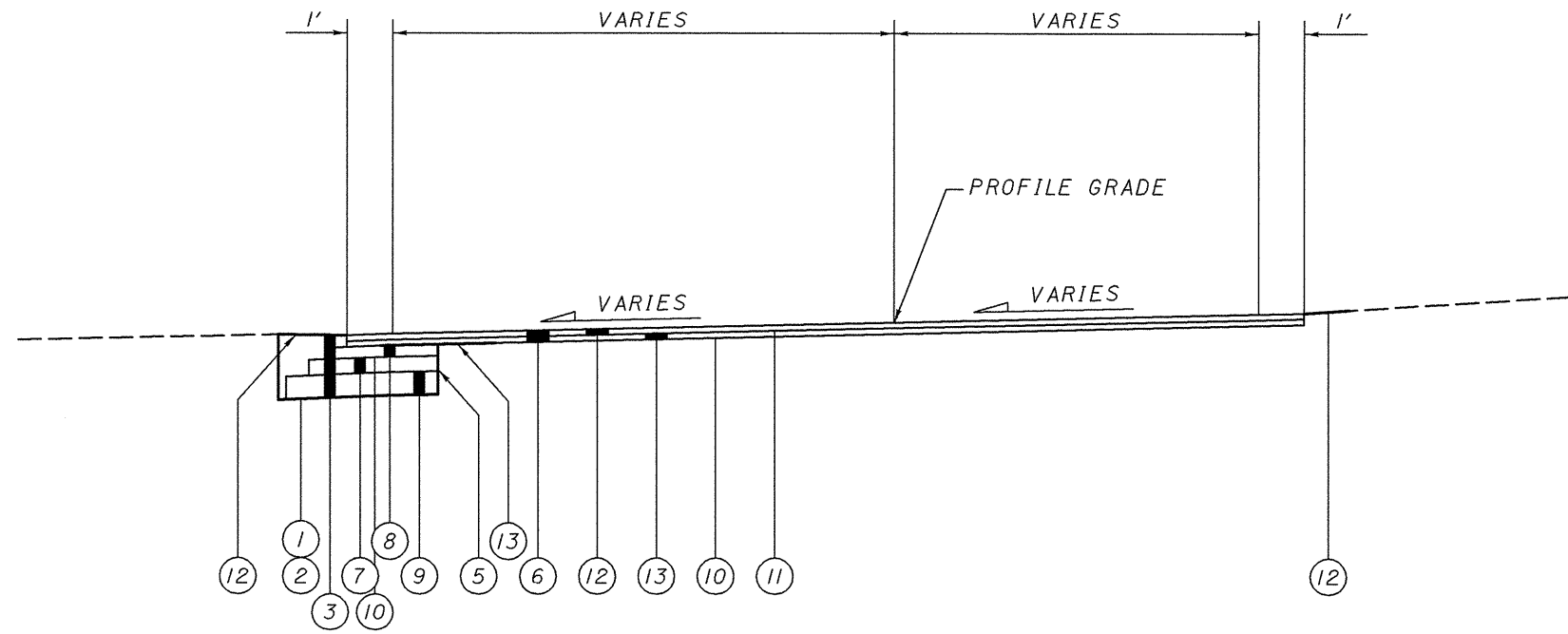
- # - SEE CROSS SECTIONS FOR CROSS SLOPE. SEE SUPER ELEVATION TABLE FOR FURTHER INFORMATION.
- \* - SEE PLAN SHEETS, CROSS SECTIONS, AND PLANING DEPTH TABLE FOR FURTHER INFORMATION ON LIMITS AND DEPTHS OF PLANING AND LIMITS OF ITEM 301, ASPHALT CONCRETE (3.00").
- \*\* - EXCAVATION, PROOF ROLLING, AND 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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| 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") |   |



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 DATE: 10/19/2007  
 DWG: 204.03  
 204.03

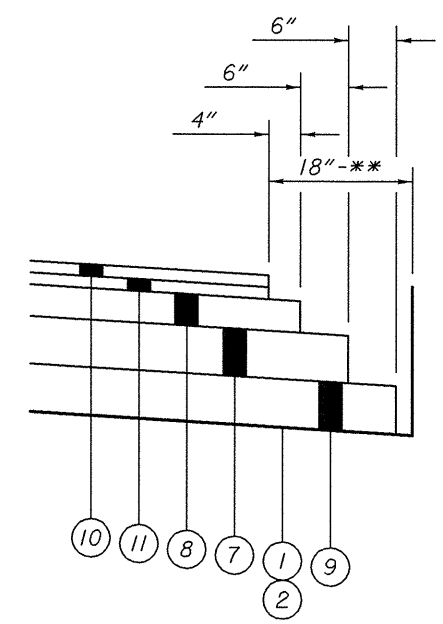


STA 1+50.00 TO STA. 2+68.00

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  |
| 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") |   |

TYPICAL SECTION - MAIN ST.  
SLM 25.20 TO 25.34

HUR-20-16.35  
LOR-20-0.00

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DATE: 10/12/07  
DRAWN BY: [unreadable]

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	

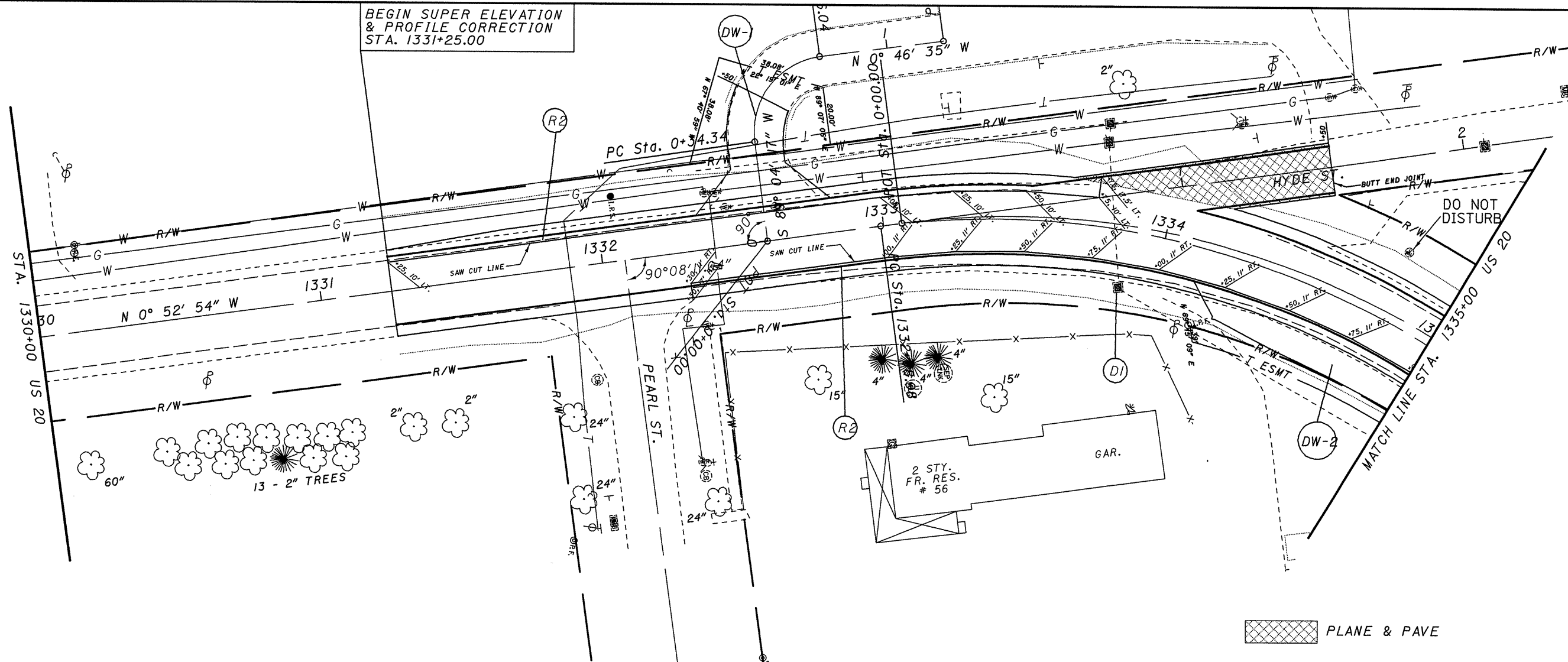
SUPERELEVATION TABLE

HUR-20-16.35  
LOR-20-0.00





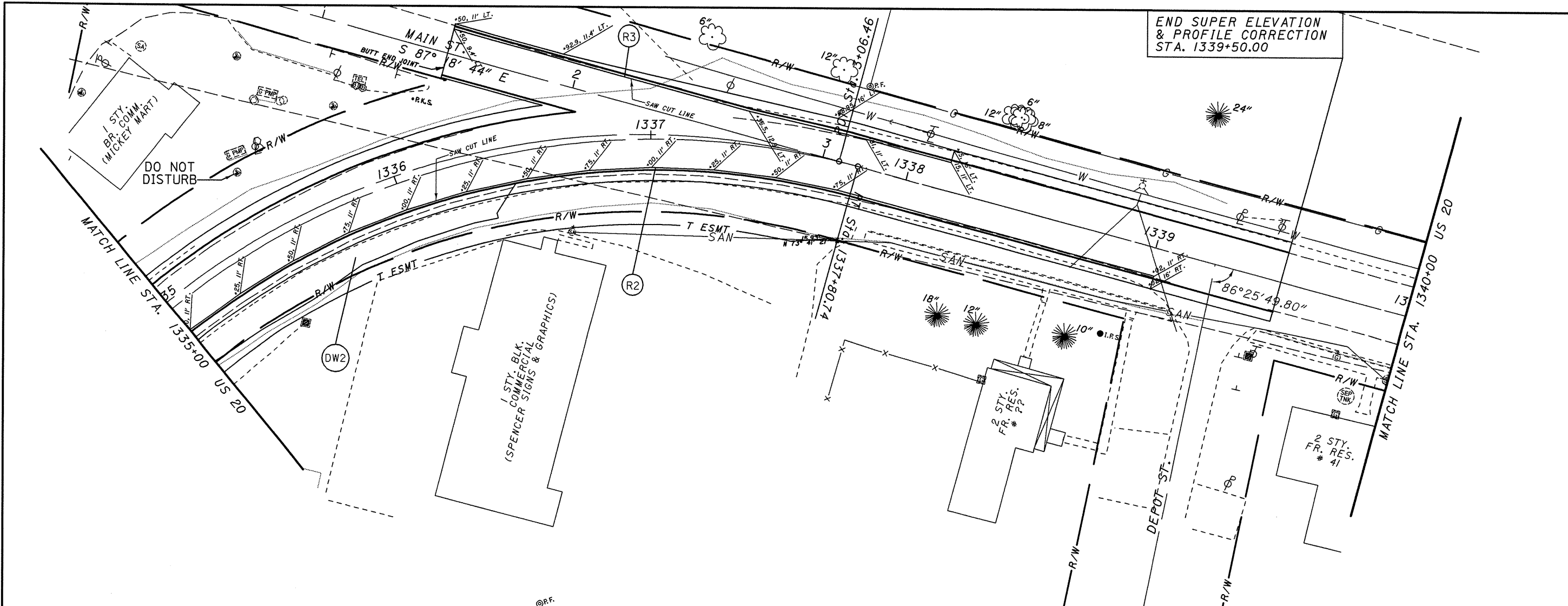
BEGIN SUPER ELEVATION  
 & PROFILE CORRECTION  
 STA. 1331+25.00



PLANE & PAVE

885					871.33	871.21	871.14	871.16	871.28	871.50	871.74	871.93	872.06	872.14	872.16	872.14	872.08	872.03	871.97	871.92	885	
NOTE: PROFILE IS ALONG PROPOSED LEFT EDGE LINE (12' LEFT) OF THE CENTERLINE OF CONSTRUCTION																						
880											P.V.I. Sta. 1333+25.00 Elev. = 872.30											880
875																					875	
870					871.33																870	
865																					865	
860																					860	
855																					855	
850																					850	
	1330+00				1331+00				1332+00		1333+00			1334+00							1335+00	

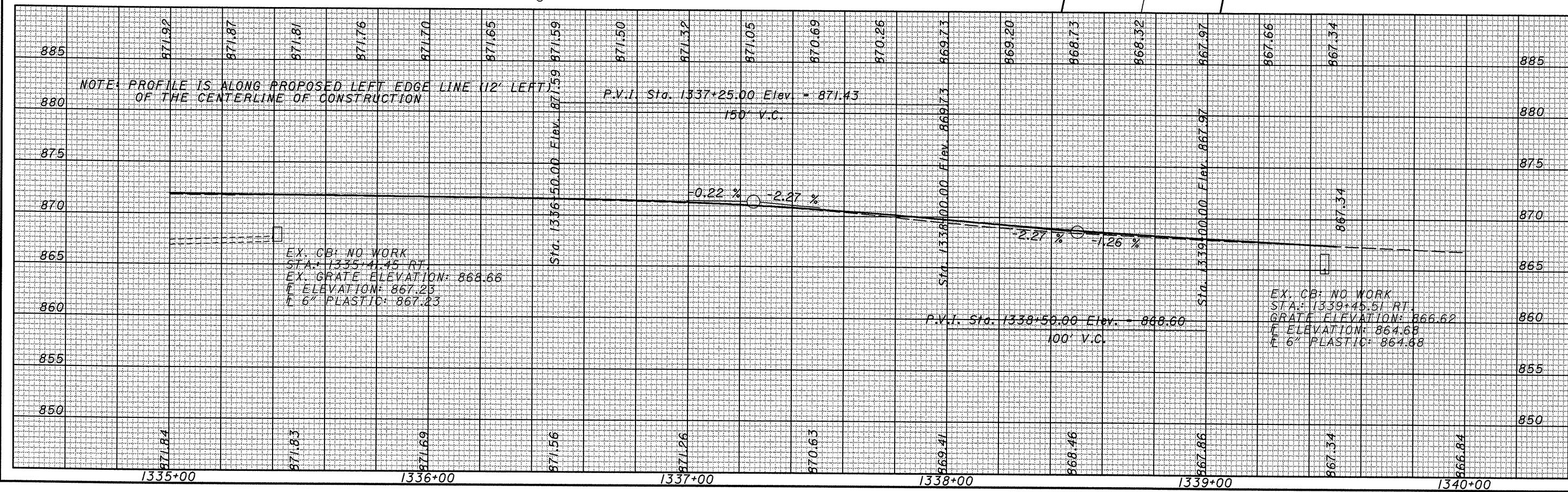
I:\projects\77284\77284CP004.dgn  
 DATE: 10/19/2007



END SUPER ELEVATION  
 & PROFILE CORRECTION  
 STA. 1339+50.00

CALCULATED SJD  
 CHECKED BAD

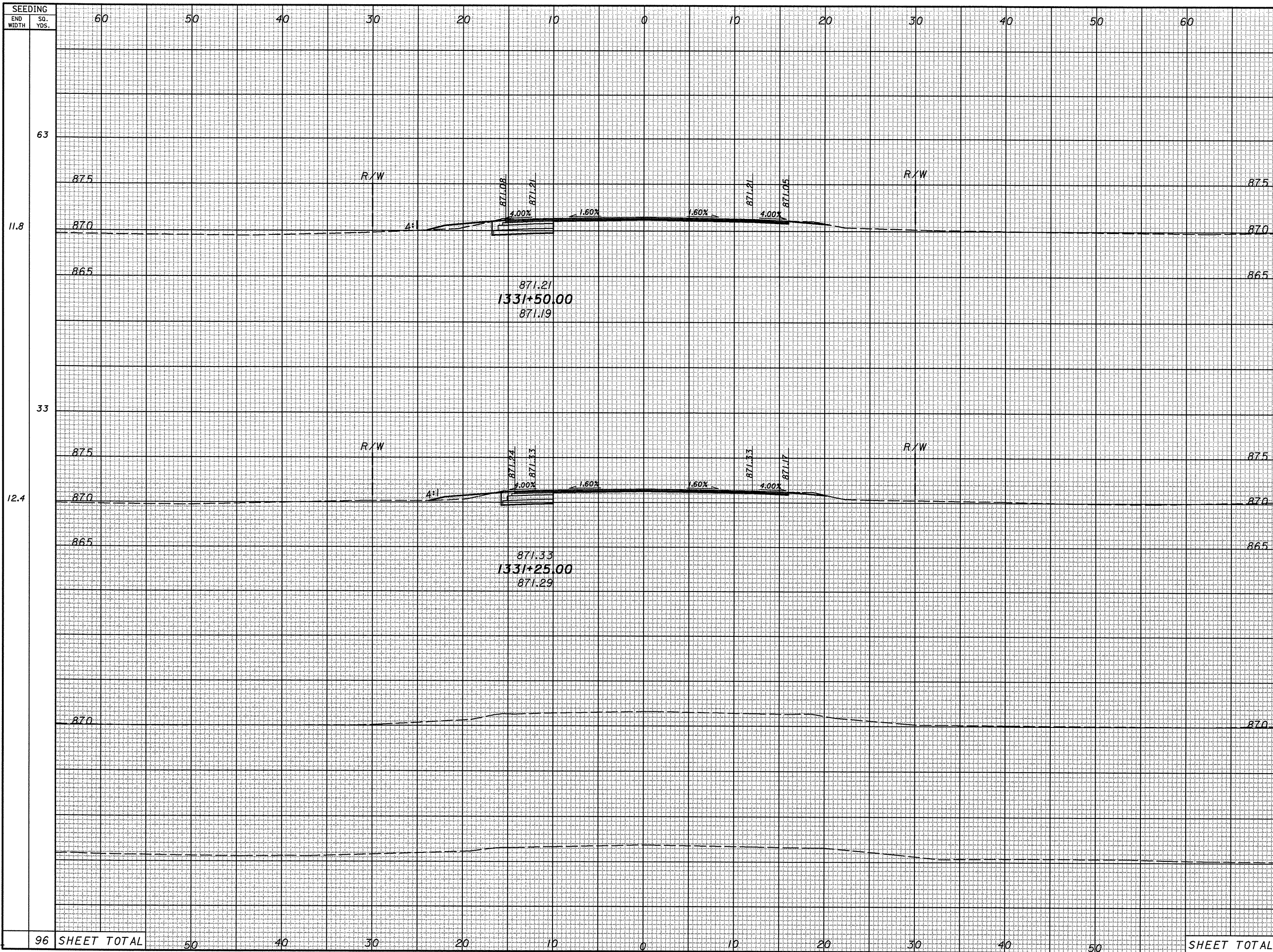
0 20 40  
 HORIZONTAL SCALE IN FEET



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



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



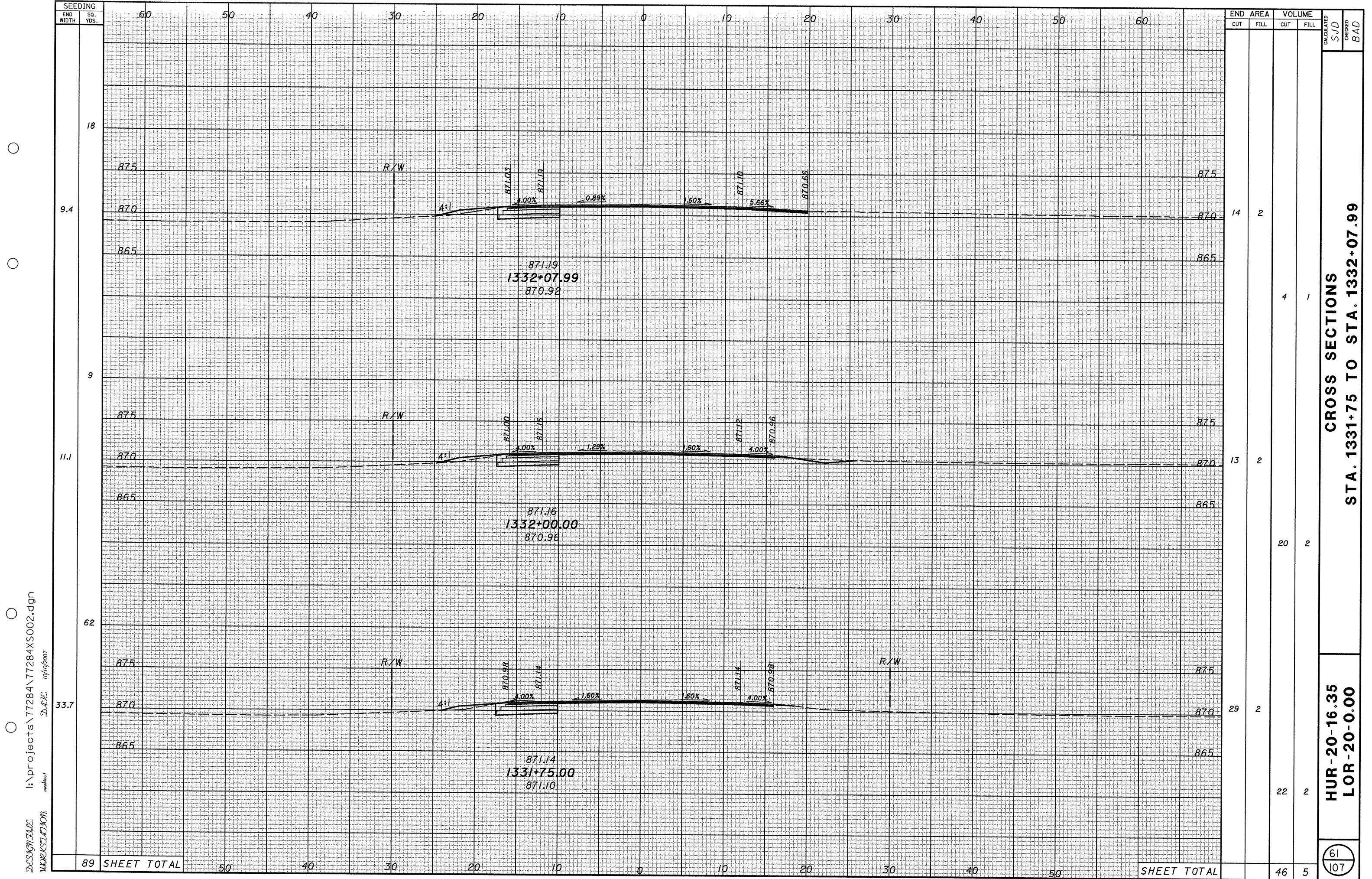
SEEDING END WIDTH	SQ. YDS.	END AREA		VOLUME		CALCULATED SJD	CHECKED BAD										
		CUT	FILL	CUT	FILL												
60																	
50																	
40																	
30																	
20																	
10																	
0																	
10																	
20																	
30																	
40																	
50																	
60																	
63																	
11.8				17	2												
						15	2										
33																	
12.4				16	2												
						0	0										
96	SHEET TOTAL	50	40	30	20	10	0	10	20	30	40	50	SHEET TOTAL			15	2

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

HUR-20-16.35  
 LOR-20-0.00

60  
 107





SEEDING		60	50	40	30	20	10	0	10	20	30	40	50	60
END WIDTH	SO. YDS.													
18	9.4	875												875
		870												870
		865												865
9	11.1	875												875
		870												870
		865												865
62	33.7	875												875
		870												870
		865												865
89	SHEET TOTAL													

END AREA		VOLUME		CALCULATED	CHECKED	BAD
CUT	FILL	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**

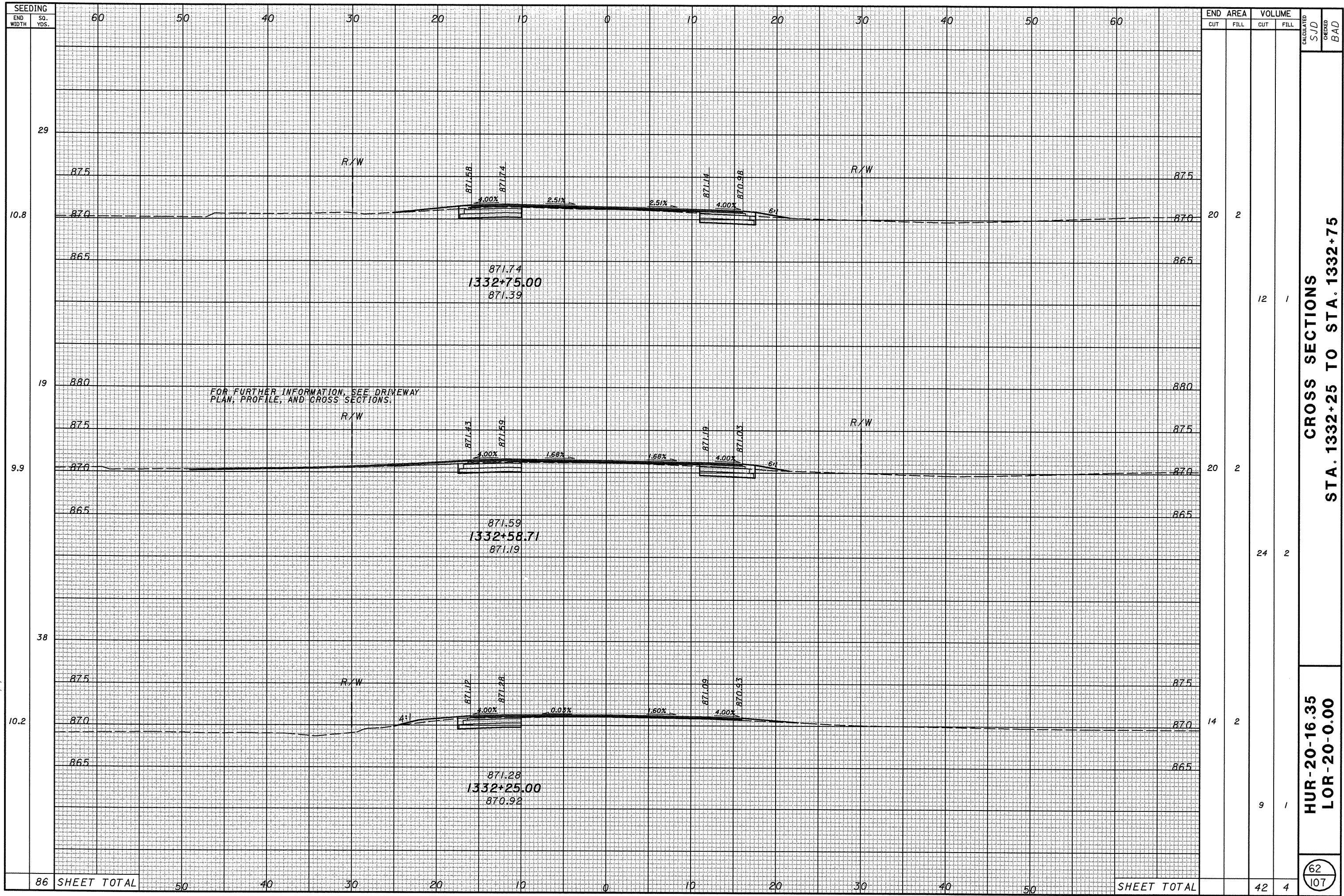
**HUR-20-16.35**  
**LOR-20-0.00**

61  
 107

I:\projects\7284\7284XS002.dgn  
 DATE: 10/10/2007  
 DESIGNED: MORGANSON  
 DRAWN:



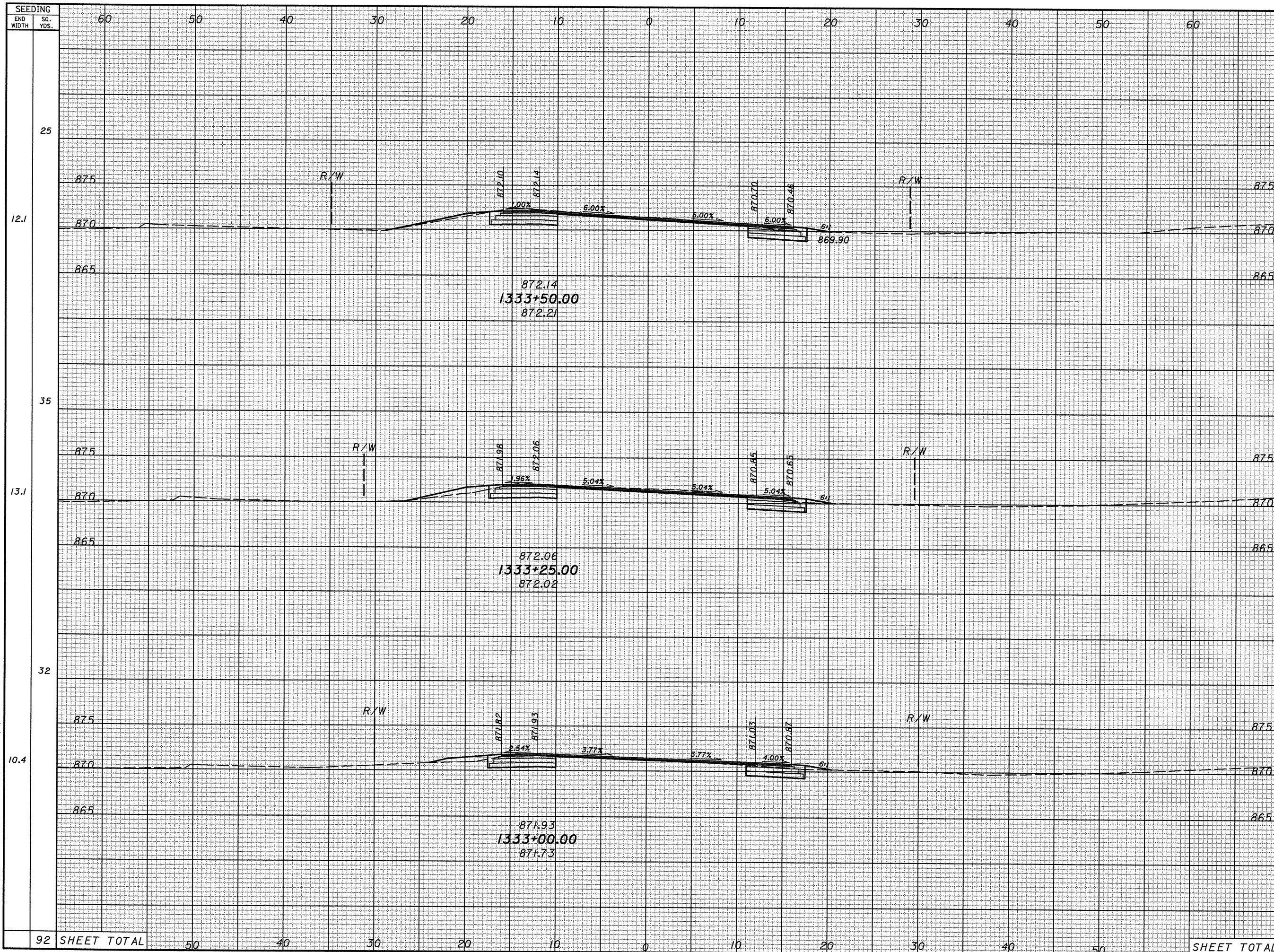
I:\projects\71284\71284XS002.dgn  
 10/10/2007  
 D:\JES  
 meibau



CROSS SECTIONS  
 STA. 1332+25 TO STA. 1332+75



PROJECT: I:\projects\7284\7284XS002.dgn  
 DATE: 10/10/07  
 DRAWN BY: [signature]



SEEDING END WIDTH	SQ. YDS.	END AREA		VOLUME	
		CUT	FILL	CUT	FILL
12.1		25	2		
13.1		28	4		
10.4		21	3		
92	SHEET TOTAL	50	40	30	20
				67	8

CALCULATED SJD  
 CHECKED BAD  
**CROSS SECTIONS**  
**STA. 1333+00 TO STA. STA. 1333+50**  
**HUR-20-16.35**  
**LOR-20-0.00**  
 63  
 107

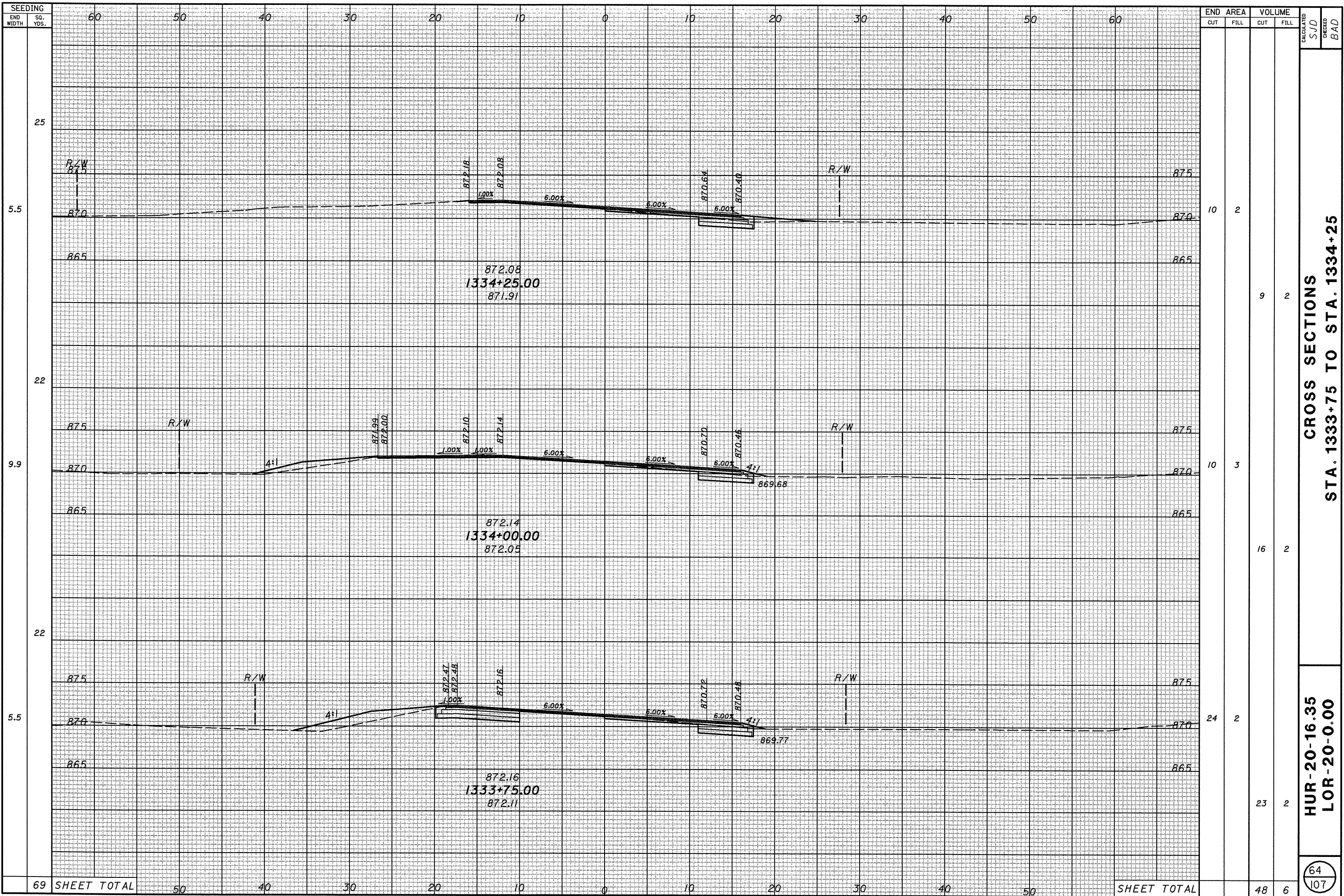


I:\projects\77284\77284XS002.dgn

DATE 10/10/00

author

WORKSHEET



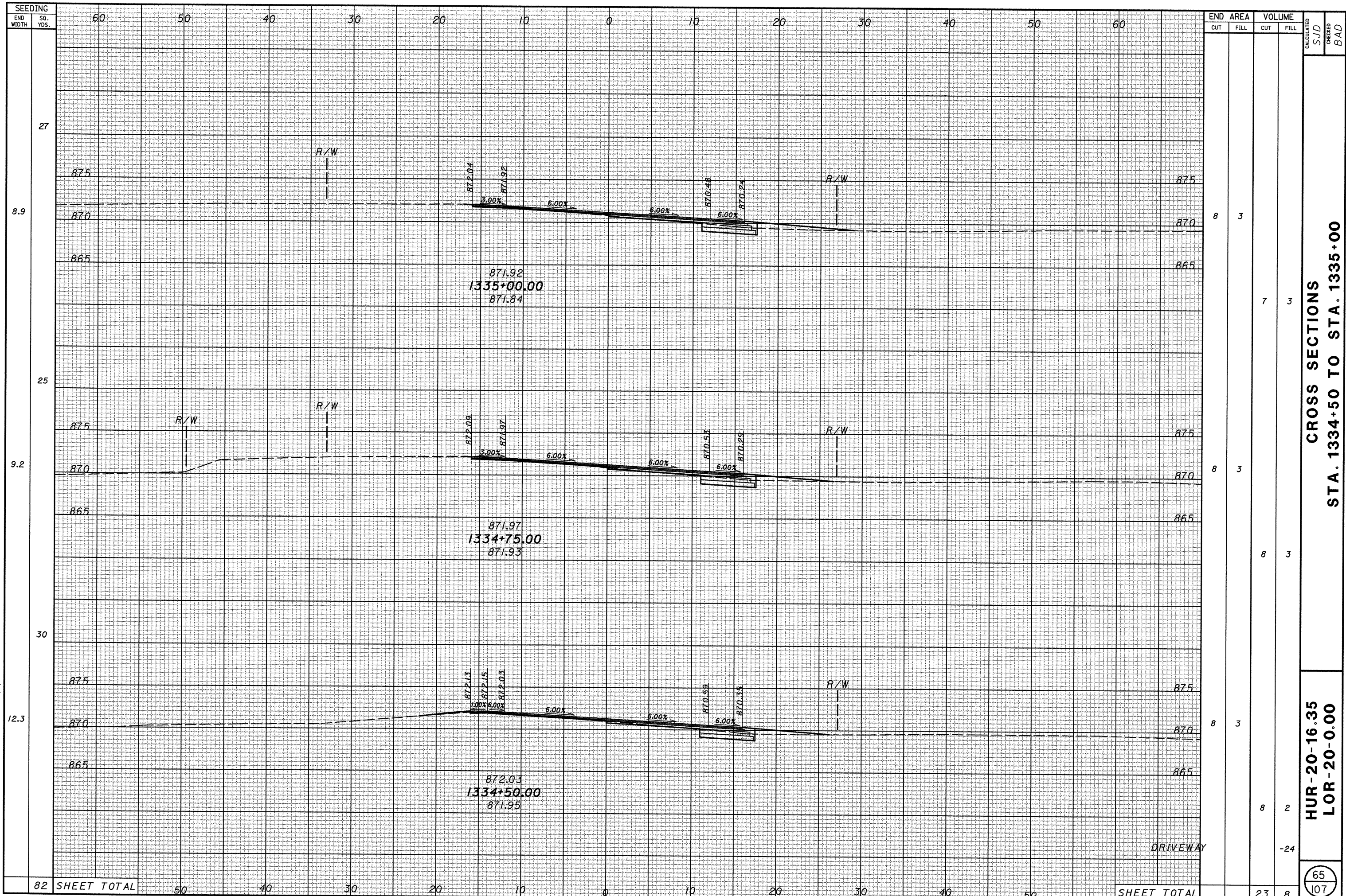
CROSS SECTIONS  
STA. 1333+75 TO STA. 1334+25

HUR-20-16.35  
LOR-20-0.00

64  
107



I:\projects\77284\77284XS002.dgn  
 DATE: 10/10/2007  
 DWG: 10/10/2007



SEEDING	60	50	40	30	20	10	0	10	20	30	40	50	60	END CUT	END FILL	VOLUME CUT	VOLUME FILL
82 SHEET TOTAL	50	40	30	20	10	0	10	20	30	40	50			23	8		

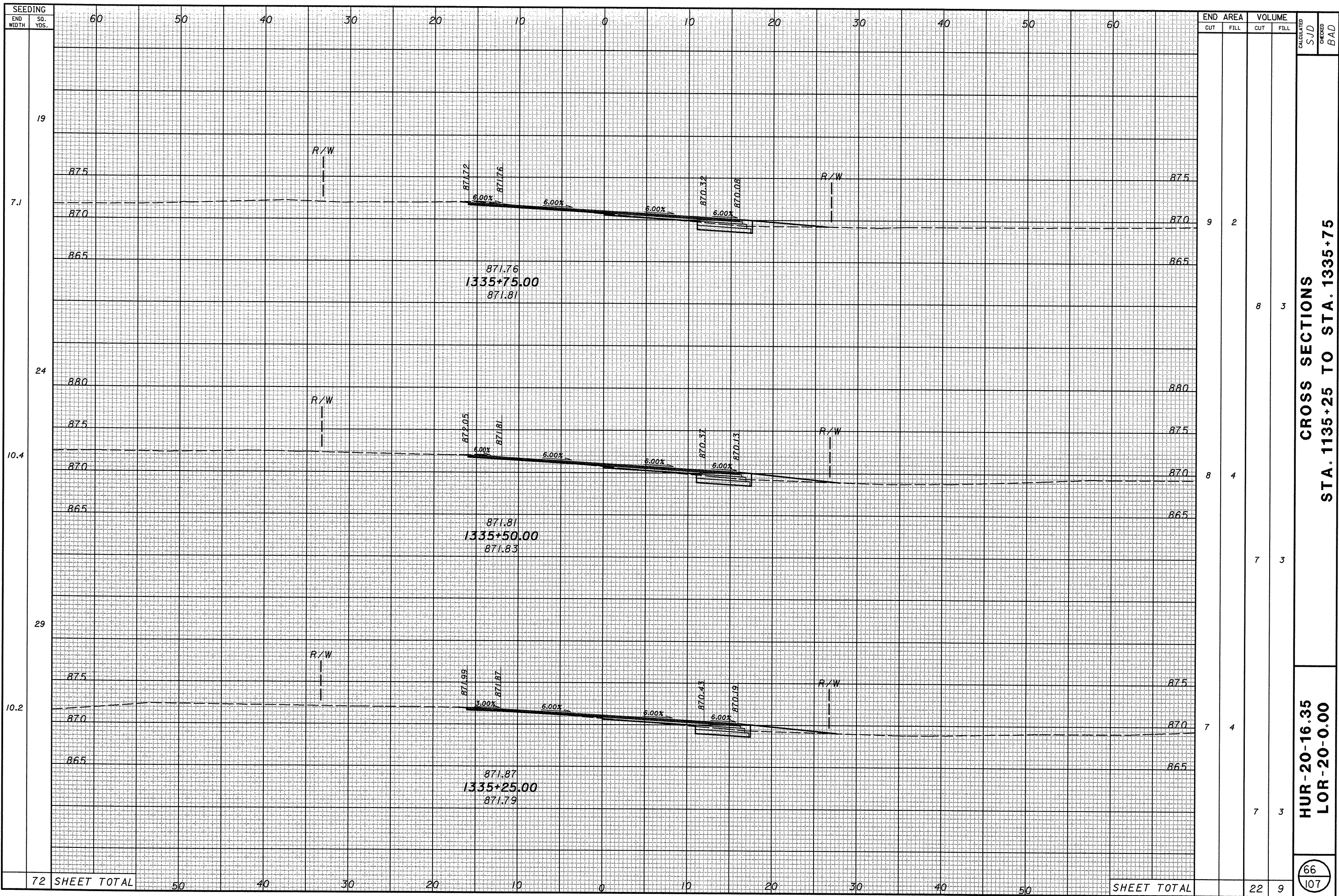
CROSS SECTIONS  
 STA. 1334+50 TO STA. 1335+00  
 HUR-20-16.35  
 LOR-20-0.00

CALCULATED: SJD  
 CHECKED: [Blank]  
 BAD: [Blank]

65  
107



I:\projects\71284\71284XS002.dgn  
 DATE: 10/10/2007  
 DWG: 71284XS002.dgn  
 DESIGNED BY: JAE  
 CHECKED BY: JAE



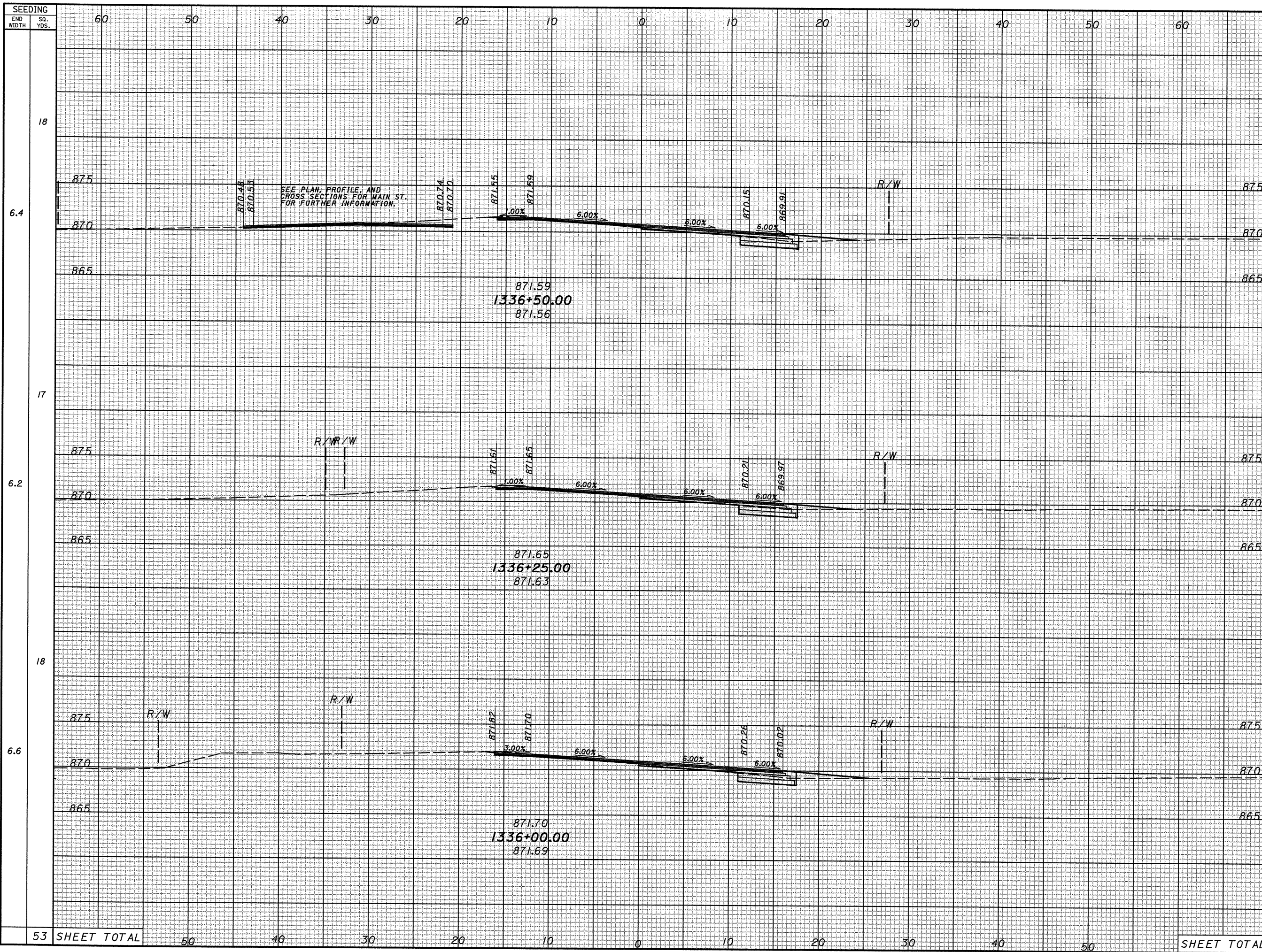
**CROSS SECTIONS**  
**STA. 1135+25 TO STA. 1335+75**

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

66  
107



I:\projects\7284\7284XS002.dgn  
 DATE: 10/10/2007  
 DWG: 10/10/2007



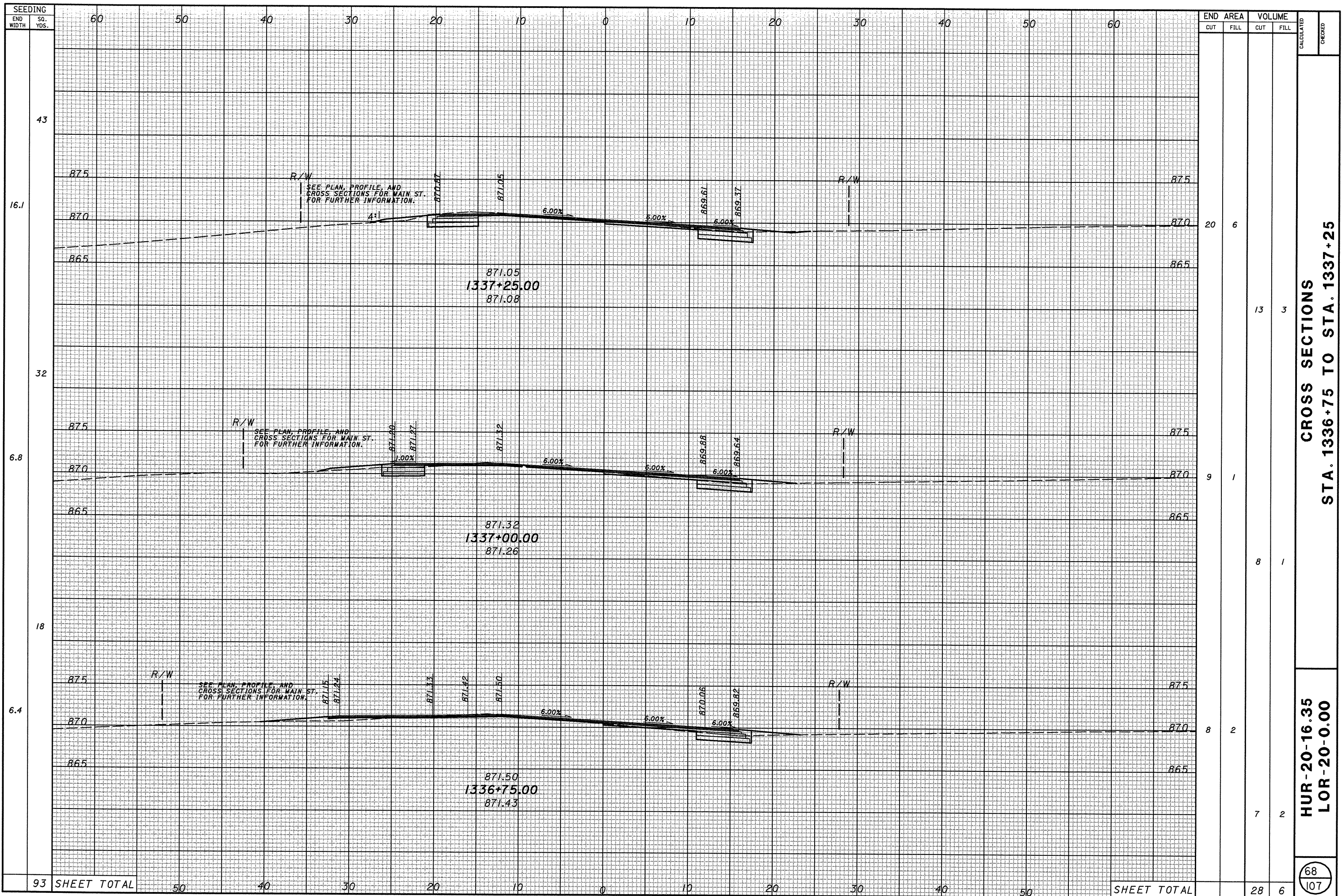
53	SHEET TOTAL	50	40	30	20	10	0	10	20	30	40	50	SHEET TOTAL
----	-------------	----	----	----	----	----	---	----	----	----	----	----	-------------

END STA.	AREA		VOLUME		CALCULATED	CHECKED
	CUT	FILL	CUT	FILL		
8	8	2	8	2		
9	9	2	8	2		
8	8	2	8	2		
8	8	2	8	2		
<b>TOTAL</b>	<b>24</b>	<b>6</b>	<b>24</b>	<b>6</b>		

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



I:\projects\77284\77284XS002.dgn  
 DATE: 10/10/2007  
 DWG: 10/10/2007

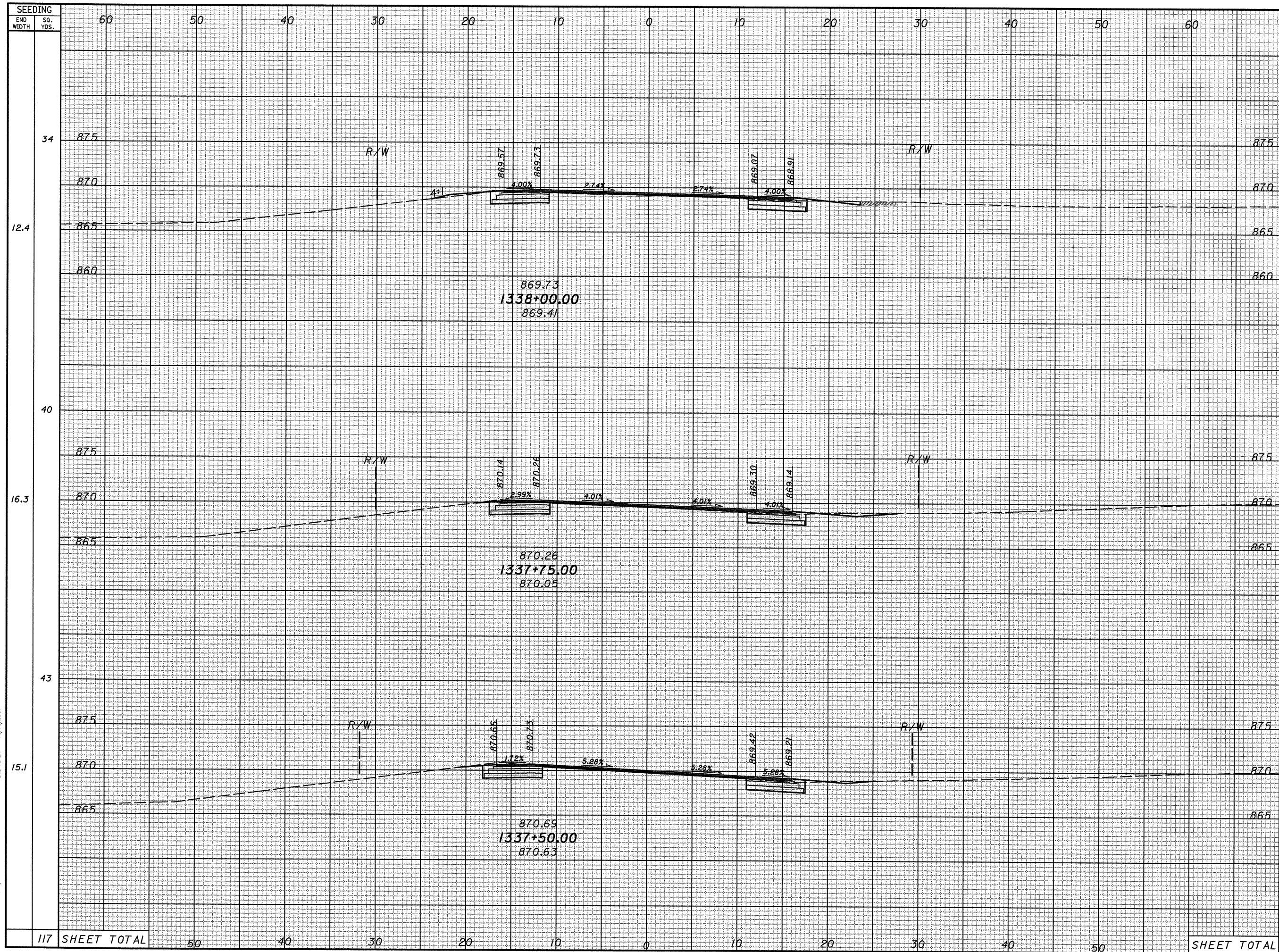


CROSS SECTIONS  
 STA. 1336+75 TO STA. 1337+25

HUR-20-16.35  
 LOR-20-0.00



I:\projects\7284\7284XS002.dgn  
 DATE: 10/10/2007  
 DWG: 10/10/2007

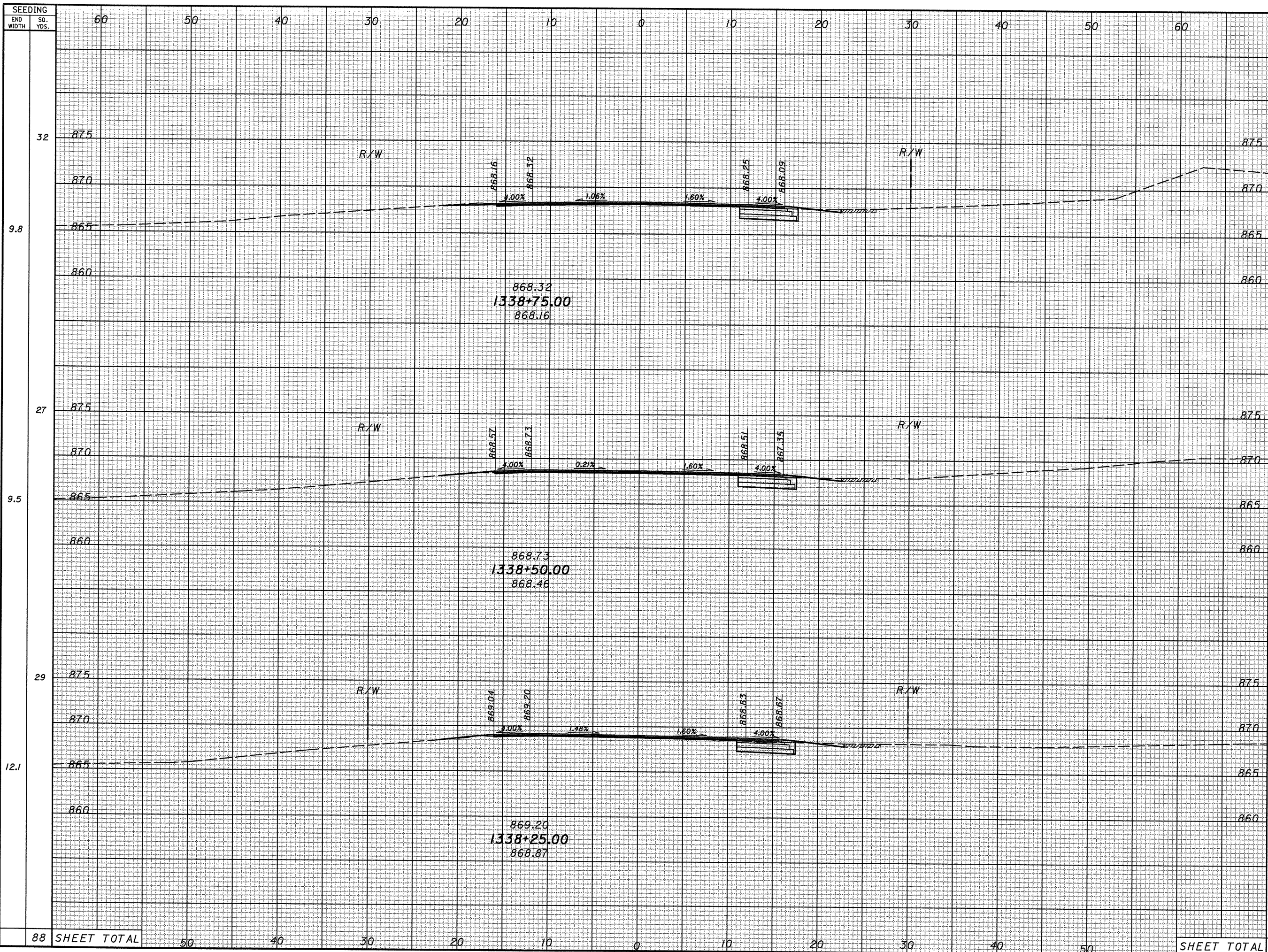


SEEDING END WIDTH SQ. YDS.	END AREA		VOLUME	
	CUT	FILL	CUT	FILL
34	21	1		
12.4			21	1
40	24	0		
16.3			23	0
43	25	0		
15.1			21	3
<b>117 SHEET TOTAL</b>	<b>50</b>	<b>40</b>	<b>65</b>	<b>4</b>

**CROSS SECTIONS**  
**STA. 1337+50 TO STA. 1338+00**  
 HUR-20-16.35  
 LOR-20-0.00



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



SEEDING	END AREA		VOLUME	
	CUT	FILL	CUT	FILL
32	13	0	13	0
27	16	0	14	0
29	14	1	17	1
88 SHEET TOTAL	50	1	44	1

CALCULATED  
 S/D  
 CHECKED  
 BAD

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

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

70  
 107

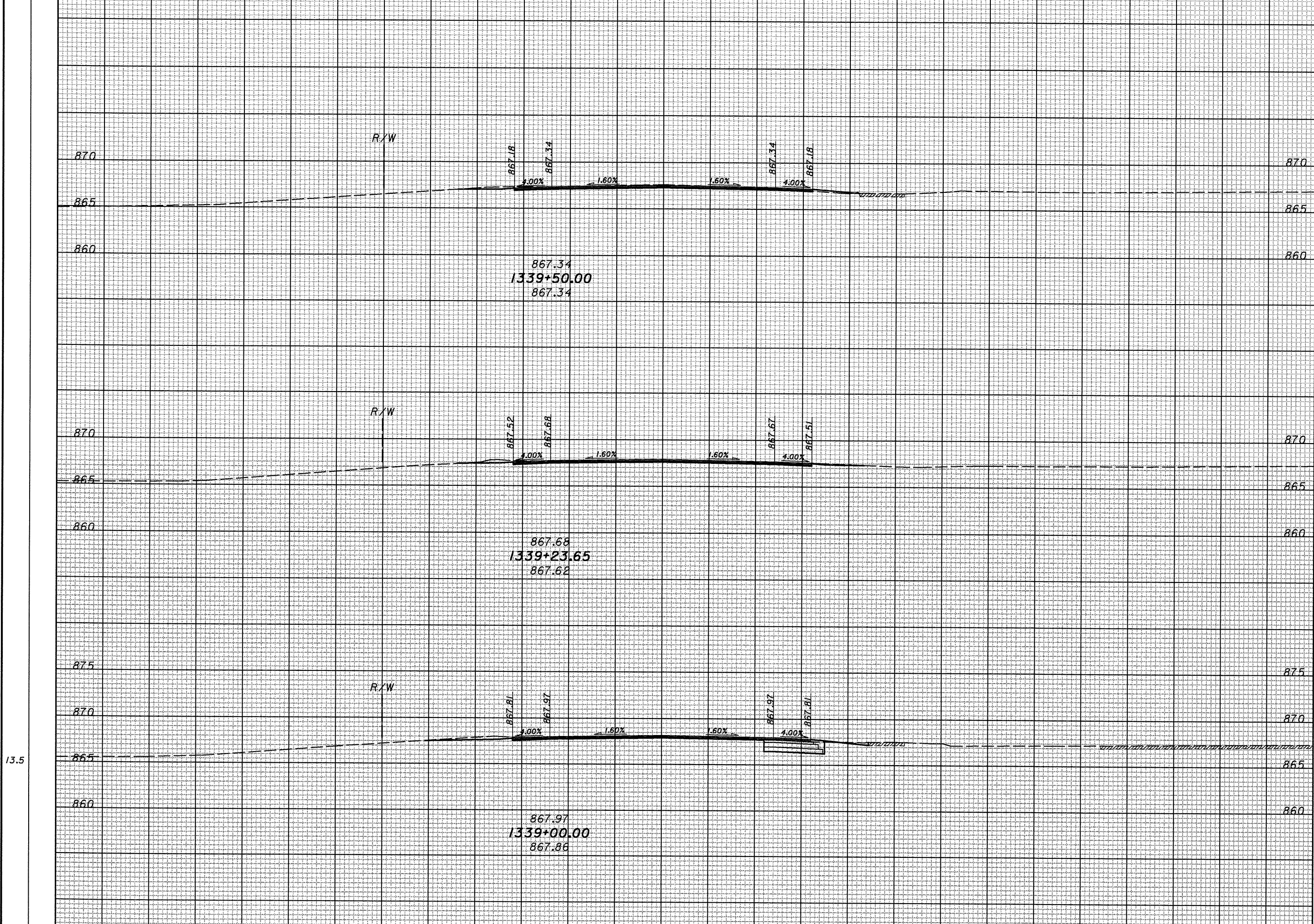


SEEDING  
END WIDTH SQ. YDS.

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	AREA		VOLUME	
	CUT	FILL	CUT	FILL
13.5			14	0
0			13	0
<b>SHEET TOTAL</b>			<b>13</b>	<b>0</b>

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

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

71  
107

I:\projects\7284\7284XS002.dgn  
DATE: 10/10/2007  
DRAWN BY: mshar

0

SHEET TOTAL

50 40 30 20 10 0 10 20 30 40 50

SHEET TOTAL