

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

**PROPOSED  
HIGHWAY PLANS**  
TOWNSHIP ROAD 7 (W MONTGOMERY ROAD)  
SECTION 15-HSRT2-00-RR  
PROJECT HSR-0167(085)  
HIGH-SPEED RAIL  
SANGAMON COUNTY /AUBURN TOWNSHIP

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*TR 7	15-HSRT2-00-RR	SANGAMON	30	1
ILLINOIS			CONTRACT NO. 93647	

\*W. MONTGOMERY RD.

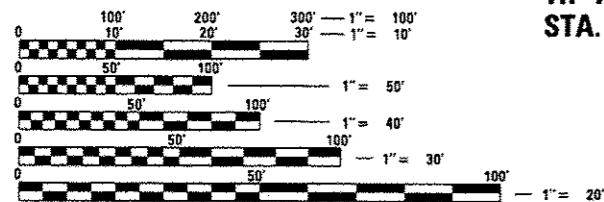
DOT# 294359P  
MP 205.42

- 1 COVER SHEET
- 2 HIGHWAY STANDARDS, GENERAL NOTES & COMMITMENTS
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- 13 DRAINAGE & UTILITIES PLAN & PROFILE
- 14 PAVEMENT MARKING & SIGNING PLAN
- 15 ENTRANCE DETAILS
- 16 - 17 UPRR ACCESS ROAD DETAILS
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- 20 - 30 CROSS SECTIONS - TR 7 (W MONTGOMERY ROAD)

FOR LIST OF HIGHWAY STANDARDS, SEE SHEET NO. 2



FUNCTIONAL CLASSIFICATION = RURAL MINOR COLLECTOR  
2012 ADT = 500  
DESIGN SPEED = 50 MPH  
P.V. = 88% S.U. = 7% M.U. = 5%

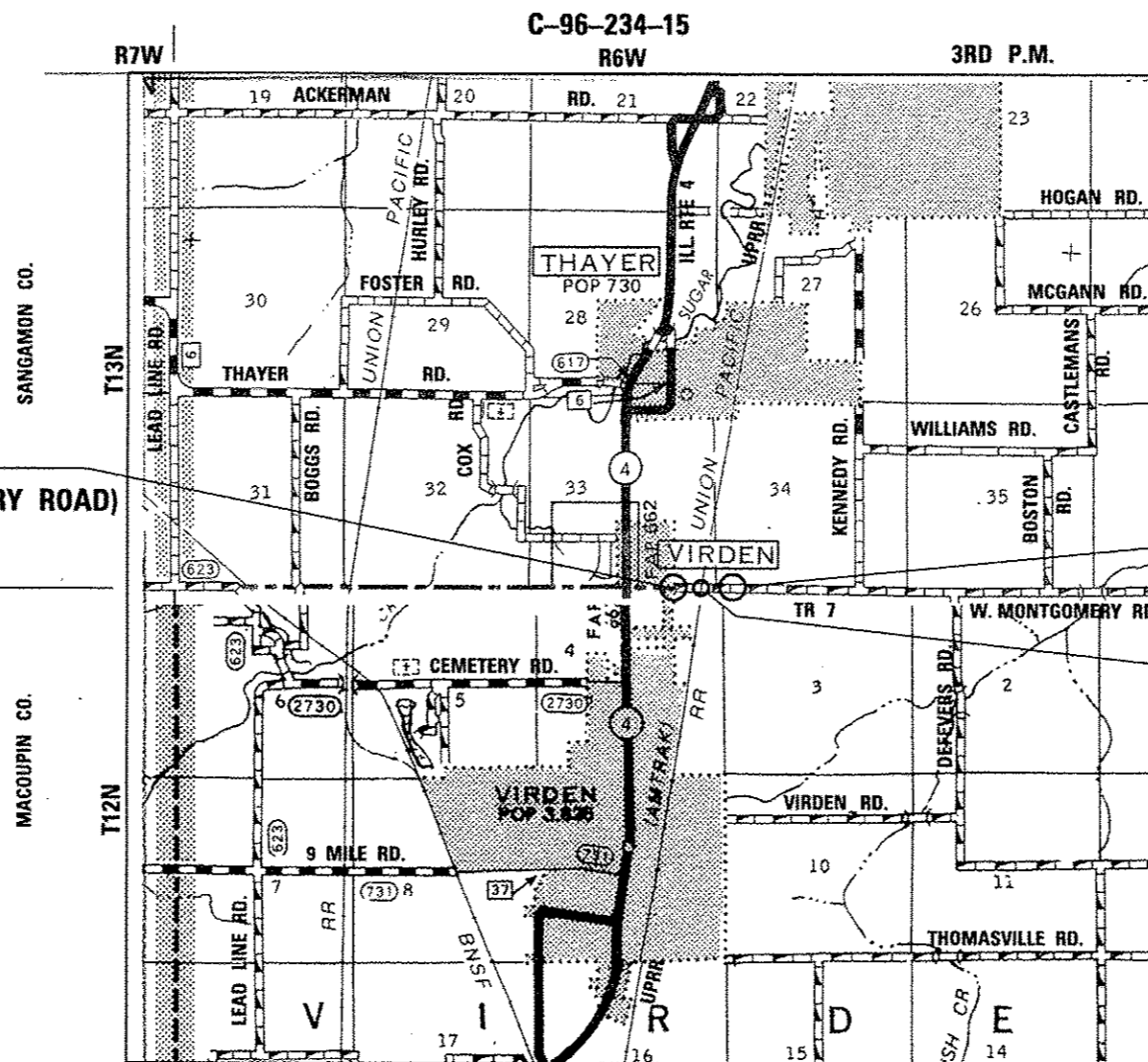


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

J.U.L.I.E.  
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION  
1-800-892-0123  
OR 811

DISTRICT 6 NO. (217) 782-7301  
PROJECT ENGINEER : JAY EDWARDS (217) 785-0597  
TOWNSHIP : AUBURN

CONTRACT NO. 93647



LOCATION MAP



GROSS LENGTH = 721.00 FT. = 0.137 MILE  
NET LENGTH = 721.00 FT. = 0.137 MILE



AECOM  
345 EAST ASH AVENUE, SUITE B  
DECATUR, ILLINOIS 62526  
PH. 217-875-4800

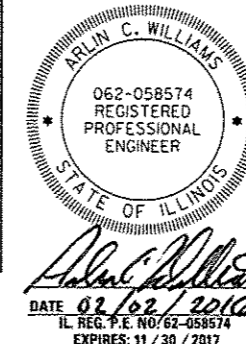


BEGIN IMPROVEMENT  
TR 7 (W MONTGOMERY ROAD)  
STA. 53 + 19.00

END IMPROVEMENT  
TR 7 (W MONTGOMERY ROAD)  
STA. 60 + 40.00

RAILROAD OMISSION  
STA. 56 + 44.84 TO  
STA. 56 + 55.16

**FINAL**



STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

SUBMITTED 2/19/2016

Deputy Director of Highways, Region Engineer

March 18, 2016  
Maurice M. Addis, P.E.  
ENGINEER OF DESIGN AND ENVIRONMENT

March 18, 2016  
Omer Osman, P.E.  
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

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OF THE STATE OF ILLINOIS

**HIGHWAY STANDARDS**

- 000001-06 STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
- 001006 DECIMAL OF AN INCH AND OF A FOOT
- 280001-07 TEMPORARY EROSION CONTROL SYSTEMS
- 542301-03 PRECAST REINFORCED CONCRETE FLARED END SECTION
- 667101-02 PERMANENT SURVEY MARKERS
- 701011-04 OFF-ROAD MOVING OPERATIONS, 2-L, 2-W, DAY ONLY
- 701301-04 LANE CLOSURE, 2-L, 2-W, SHORT TIME OPERATIONS
- 701901-05 TRAFFIC CONTROL DEVICES
- 720001-01 SIGN PANEL MOUNTING DETAILS
- 720006-04 SIGN PANEL ERECTION DETAILS
- 720011-01 METAL POSTS FOR SIGNS, MARKERS & DELINEATORS
- 729001-01 APPLICATIONS OF TYPES A & B METAL POSTS (FOR SIGNS & MARKERS)
- 780001-05 TYPICAL PAVEMENT MARKINGS
- BLR-21-9 TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES FOR CONSTRUCTION ON RURAL LOCAL HIGHWAYS
- BLR-22-7 TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES FOR CONSTRUCTION ON RURAL LOCAL HIGHWAYS (TWO-LANE, TWO WAY RURAL TRAFFIC) (ROAD CLOSED TO THRU TRAFFIC)

**GENERAL NOTES**

NO WORK SHALL COMMENCE UNTIL THE PROPOSED TRAFFIC CONTROL AND DETOUR PLAN IS IN PLACE AND HAVE BEEN APPROVED BY THE ENGINEER.

THE CONTRACTOR SHALL BE REQUIRED TO COMPLY WITH STATE REGULATIONS REGARDING AIR, WATER, AND NOISE POLLUTION.

MAILBOXES SHALL REMAIN IN SERVICE AT ALL TIMES AND SHALL BE RELOCATED AS NECESSARY DURING CONSTRUCTION. FINAL LOCATIONS OF MAILBOXES SHALL BE DETERMINED BY THE ENGINEER, BUT SHOULD BE AS NEAR AS PRACTICAL TO THEIR ORIGINAL LOCATION, AND PLACED BEHIND THE PROPOSED AGGREGATE SHOULDERS. THIS WORK SHALL BE IN ACCORDANCE WITH THE PROVISIONS OF ARTICLE 107.20 OF THE STANDARD SPECIFICATIONS.

BEFORE ORDERING PIPE CULVERTS, THE CONTRACTOR SHALL CONSULT THE ENGINEER FOR THE EXACT LENGTHS.

THE CONTRACTOR SHALL DEVELOP A PLAN TO ACCOMPLISH THIS WORK AND MINIMIZE DISRUPTION OF ACCESS TO THE VARIOUS PROPERTY OWNERS WITHIN THE PROJECT LIMITS. THIS PLAN SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PRIOR TO THE START OF WORK. THE PAY ITEM AGGREGATE FOR TEMPORARY ACCESS HAS BEEN INCLUDED IN THE CONTRACT. SEE SPECIAL PROVISIONS.

THE AREA TO BE SEEDED SHALL CONSIST OF ALL DISTURBED EARTH SURFACES WITHIN THE RIGHT-OF-WAY AS DIRECTED BY THE ENGINEER.

LAYOUT OF EROSION CONTROL ITEMS MAY BE VARIED IN THE FIELD AS DIRECTED BY THE ENGINEER, TO SUIT GROUND CONDITIONS.

IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO DETERMINE THE ACTUAL LOCATION OF ALL UNDERGROUND UTILITY FACILITIES. THE CONTRACTOR SHALL ALSO OBTAIN FROM THE RESPECTIVE UTILITY COMPANIES DETAILED INFORMATION RELATIVE TO THE LOCATION OF THEIR FACILITIES AND THE WORKING SCHEDULES OF THE UTILITY COMPANIES FOR THEIR MARKING OF THE EXACT LOCATION PRIOR TO CONSTRUCTION.

THE COST OF REMOVING EXISTING W10-1 SIGNS SHALL BE INCLUDED IN THE COST OF SIGN PANEL - TYPE 1.

A QUANTITY OF PIPE DRAINS 12" HAS BEEN INCLUDED IN THE PLANS TO BE USED IF FIELD TILES ARE ENCOUNTERED. QUANTITY TO BE USED ONLY AS DIRECTED BY THE ENGINEER.

REMOVAL & DISPOSAL OF EXISTING PAVEMENT MATERIAL SHALL BE INCLUDED IN EARTH EXCAVATION.

ANY REFERENCE TO A STANDARD IN THESE PLANS SHALL BE INTERPRETED TO MEAN THE EDITION AS INDICATED BY THE SUB NUMBER LISTED IN THE "HIGHWAY STANDARDS" LISTED ON THIS SHEET OR THE COPY OF THE STANDARD INCLUDED IN THESE PLANS.

UNLESS DIRECTED BY THE ENGINEER, PAVEMENT MARKING LINES SHALL NOT BE LAID DIRECTLY OVER A LONGITUDINAL CRACK OR JOINT NOR OVER A TAR OR ASPHALT PAINTED LINE. THE EDGE OF A CENTERLINE SHALL BE OFFSET A MINIMUM DISTANCE OF 2" FROM A LONGITUDINAL CRACK OR JOINT. SEE SECTION 780 OF THE STANDARD SPECIFICATIONS FOR TRAFFIC CONTROL ITEMS.

THE FURNISHING, INSTALLATION, RELOCATION AND REMOVAL OF ALL TRAFFIC CONTROL SIGNS, DETOUR SIGNS, AND TRAFFIC CONTROL DEVICES SHOWN ON THE MAINTENANCE OF TRAFFIC PLANS AND THE APPLICABLE IDOT TRAFFIC CONTROL STANDARDS SHALL BE PAID FOR UNDER THE PAY ITEM "TRAFFIC CONTROL AND PROTECTION, (SPECIAL)". THE CONTRACTOR SHALL PROVIDE ANY ADDITIONAL SIGNS AS REQUIRED BY THE ENGINEER, THE COST OF WHICH WILL ALSO BE INCLUDED IN "TRAFFIC CONTROL AND PROTECTION, (SPECIAL)".

MEMBERS OF JULIE KNOWN TO BE WITHIN THE LIMITS OF THE IMPROVEMENT ARE:

1. RURAL ELECTRIC CONVENIENCE COOPERATIVE (E) & (A)
2. FRONTIER COMMUNICATIONS (F)
3. OTTER LAKE WATER COMMISSION (W)

NON-MEMBERS OF JULIE KNOWN TO BE WITHIN THE LIMITS OF THE IMPROVEMENT ARE:

1. UNION PACIFIC RAILROAD COMPANY (U)
2. UNION PACIFIC RAILROAD COMPANY (UPRR)

WHEN SECTION OR SUB-SECTION MONUMENTS ARE ENCOUNTERED THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL PROPERTY MARKERS AND MONUMENTS UNTIL THE OWNER OR AN AUTHORIZED SURVEYOR OR AGENT HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION.

UPRR FLAGGERS SHALL BE PRESENT WHEN WORKING WITHIN UPRR R.O.W. THE CONTRACTOR SHALL COORDINATE DIRECTLY WITH UPRR TO ASSURE FLAGGERS ARE PRESENT DURING CONSTRUCTION. NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

THE CONTRACTOR SHALL COORDINATE WITH THE UPRR SIGNAL DEPARTMENT FOR ITEMS INSTALLED BY THE UPRR SIGNAL DEPARTMENT.

ALL UTILITIES, SCHOOL DISTRICTS, LOCAL POLICE, AND FIRE DEPARTMENTS SHALL BE NOTIFIED BY THE CONTRACTOR A MINIMUM OF 7 DAYS PRIOR TO THE START OF CONSTRUCTION.

THE FOLLOWING RATES OF APPLICATION HAVE BEEN USED IN CALCULATING PLAN QUANTITIES:

GRANULAR MATERIALS	2.05 TONS/CU YD
HMA PAVEMENT	112 LBS/SQ YD/IN
BITUMINOUS MATERIALS (PRIME COAT)	0.25 LBS/SQ FT
BITUMINOUS MATERIALS (TACK COAT)	0.025 LBS/SQ FT
NITROGEN FERTILIZER NUTRIENT	90 LBS/ACRE
PHOSPHORUS FERTILIZER NUTRIENT	90 LBS/ACRE
POTASSIUM FERTILIZER NUTRIENT	90 LBS/ACRE
TEMPORARY EROSION CONTROL SEEDING	100 LBS/ACRE

BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE" AT 1-800-892-0123 OR 811 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE AND GAS FACILITIES. THE CONTRACTOR SHALL CONTACT THE MUNICIPALITY FOR ANY MUNICIPAL OWNED UTILITIES. (MINIMUM 48 HOURS NOTIFICATION IS REQUIRED). THE CONTRACTOR SHALL CALL THE UNION PACIFIC "CALL BEFORE YOU DIG" OPERATION AT 1-800-336-9193 FOR FIELD LOCATIONS OF BURIED FIBER OPTIC CABLES IN UNION PACIFIC RIGHT OF WAY. "THE CONTRACTOR SHALL CALL THE UNION PACIFIC "CALL BEFORE YOU DIG" OPERATION AT 1-800-336-9193 FOR FIELD LOCATIONS OF UNION PACIFIC OWNED BURIED FIBER OPTIC CABLES IN UNION PACIFIC RIGHT OF WAY.

THE HORIZONTAL SURVEY DATUM IS ILLINOIS STATE PLANE COORDINATES, WEST ZONE NAD 83, 2007 ADJ. THE SURVEY DATUM USED FOR ELEVATION IS NAVD 88.

**COMMITMENTS**

ACCESS TO THE ADGPTY / OTTER LAKE WATER COMMISSION FACILITIES MUST BE MAINTAINED AT ALL TIMES. ANY SHORT DURATION CLOSURES REQUIRED TO PERFORM WORK MUST BE COORDINATED WITH THE FACILITIES A MINIMUM OF 48 HOURS PRIOR TO THE DISRUPTION.

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

HIGHWAY STANDARDS, GENERAL NOTES  
& COMMITMENTS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*TR 7	15-HSR2-00-RR	SANGAMON	30	2
*W. MONTGOMERY RD.			CONTRACT NO. 93647	
[ILLINOIS] FED. AID PROJECT				

SCALE: NTS SHEET 1 OF 1 SHEETS STA. TO STA.

# SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				ROADWAY 294359P W MONTGOMERY RD	
				100% HSR	
				0004	
20200100	EARTH EXCAVATION	CU YD	541	541	
20400800	FURNISHED EXCAVATION	CU YD	685	685	
20800150	TRENCH BACKFILL	CU YD	30	30	
21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	1818	1818	
25000200	SEEDING, CLASS 2	ACRE	0.50	0.50	
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	46	46	
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	46	46	
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	46	46	
25100115	MULCH, METHOD 2	ACRE	0.50	0.50	
28000200	EARTH EXCAVATION FOR EROSION CONTROL	CU YD	35	35	
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	150	150	
28000305	TEMPORARY DITCH CHECKS	FOOT	46	46	
28000400	PERIMETER EROSION BARRIER	FOOT	1133	1133	
28000500	INLET AND PIPE PROTECTION	EACH	3	3	

\* = SPECIALTY ITEM

FILE NAME = 0693647-shr-sumofquant.dgn	USER NAME = Randal.Zilk	DESIGNED - REZ	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>SUMMARY OF QUANTITIES</b>	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -			TR 7	15-HSRT2-00-RR	SANGAMON	30	3
		PLOT SCALE = 48.0000' / 1"	CHECKED - ACW			*W. MONTGOMERY RD.				CONTRACT NO. 93647
		PLOT DATE = 1/8/2016	DATE - 01-08-2016							ILLINOIS FED. AID PROJECT
					SCALE: NONE	SHEET 1	OF 3 SHEETS	STA.		TO STA.

# SUMMARY OF QUANTITIES

CONSTRUCTION CODE	
ROADWAY 294359P W MONTGOMERY RD	
100% HSR	
0004	

CODE NO.	ITEM	UNIT	TOTAL QUANTITY		
35100100	AGGREGATE BASE COURSE, TYPE A	TON	863	863	
35101400	AGGREGATE BASE COURSE, TYPE B	TON	68	68	
40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	132	132	
40201000	AGGREGATE FOR TEMPORARY ACCESS	TON	105	105	
40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	4063	4063	
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	401	401	
40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	285	285	
40603310	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	TON	196	196	
40800025	BITUMINOUS MATERIALS (PRIME COAT)	POUND	263	263	
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	15	15	
48101200	AGGREGATE SHOULDERS, TYPE B	TON	226	226	
50105220	PIPE CULVERT REMOVAL	FOOT	61	61	
542A1069	PIPE CULVERTS, CLASS A, TYPE 2 24"	FOOT	54	54	
542D0217	PIPE CULVERTS, CLASS D, TYPE 1 12"	FOOT	116	116	

\* = SPECIALTY ITEM

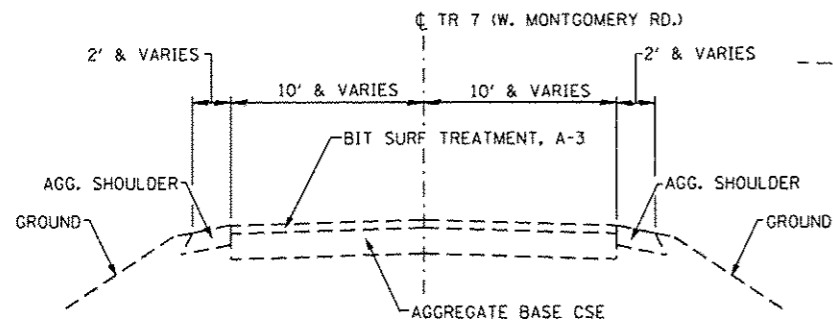
FILE NAME :	USER NAME : *USER*	DESIGNED - REZ	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>SUMMARY OF QUANTITIES</b>	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*FILEL*		DRAWN -	REVISED -			*TR 7	15-HSR2-00-RR	SANGAMON	30	4
	PLOT SCALE : *SCALE*	CHECKED - ACW	REVISED -			*W. MONTGOMERY RD.				CONTRACT NO. 93647
	PLOT DATE : *DATE*	DATE - 01-08-2016	REVISED -		SCALE: NONE	SHEET 2 OF 3 SHEETS	STA.	TO STA.		[ILLINOIS] FED. AID PROJECT

# SUMMARY OF QUANTITIES

CONSTRUCTION CODE	
ROADWAY 294359P W MONTGOMERY RD	
100% HSR	
0004	

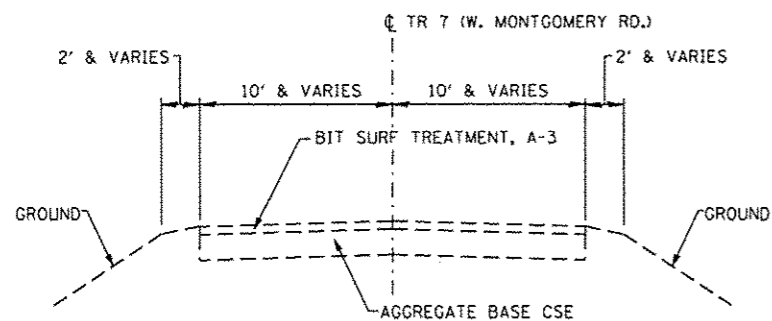
CODE NO.	ITEM	UNIT	TOTAL QUANTITY		
54213669	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24"	EACH	2	2	
60100945	PIPE DRAINS 12"	FOOT	40	40	
66700205	PERMANENT SURVEY MARKERS, TYPE I	EACH	2	2	
67100100	MOBILIZATION	L SUM	1	1	
72000100	SIGN PANEL - TYPE 1	SQ FT	36	36	
72900100	METAL POST - TYPE A	FOOT	54	54	
72900200	METAL POST - TYPE B	FOOT	80	80	
* 78006100	PREFORMED THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	122.4	122.4	
* 78006110	PREFORMED THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	2844	2844	
* 78006180	PREFORMED THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	64	64	
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	1	
Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1	
Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM	1	1	

\* = SPECIALTY ITEM



**EXISTING TYPICAL SECTION**

(LOOKING EAST)  
TR 7 (W. MONTGOMERY RD.)  
(STA 53+19.00 TO RR CROSSING)



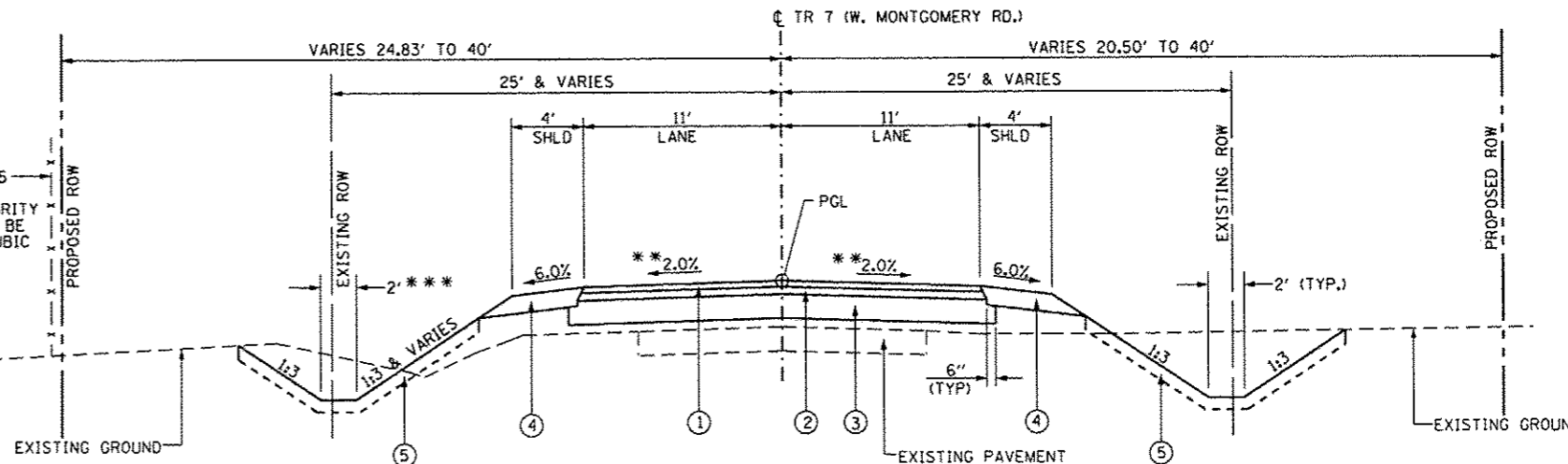
**EXISTING TYPICAL SECTION**

(LOOKING EAST)  
TR 7 (W. MONTGOMERY RD.)  
(RR CROSSING TO STA 60+40.00)

**HMA MIXTURE REQUIREMENTS**

LOCATION	TR 7 (W. MONTGOMERY RD.)	TR 7 (W. MONTGOMERY RD.)	ENTRANCES
MIXTURE USE	SURFACE	BINDER	INCIDENTAL
AC / PG	PG 64-22	PG 64-22	PG 64-22
RAP % (MAX)	15	25	15
DESIGN AIR VOIDS	4.0 @ N=50	4.0 @ N=50	4.0 @ N=50
MIXTURE COMPOSITION (GRAD, MIXTURE)	IL-9.5	IL-19.0	IL-9.5
FRICTION AGG.	MIX C	N.A.	MIX C

EXISTING FENCE STA. 53+49 TO STA. 56+05  
(GRADING SHALL BE DONE BY HAND IN THIS AREA TO PRESERVE THE STRUCTURAL INTEGRITY OF THE FENCE. COST OF THIS WORK SHALL BE INCLUDED IN CONTRACT UNIT PRICE PER CUBIC YARD FOR EARTH EXCAVATION)



**PROPOSED TYPICAL SECTION**

TR 7 (W. MONTGOMERY RD.)  
STA 53+19.00 TO 56+44.84  
\* RR CROSSING OMISSION STA 56+44.84 TO 56+55.16  
STA 56+55.16 TO 60+40.00  
(TRANSITION TO MATCH EXISTING  
STA 53+19.00 TO 53+69.00 & 59+90.00 TO 60+40.00)

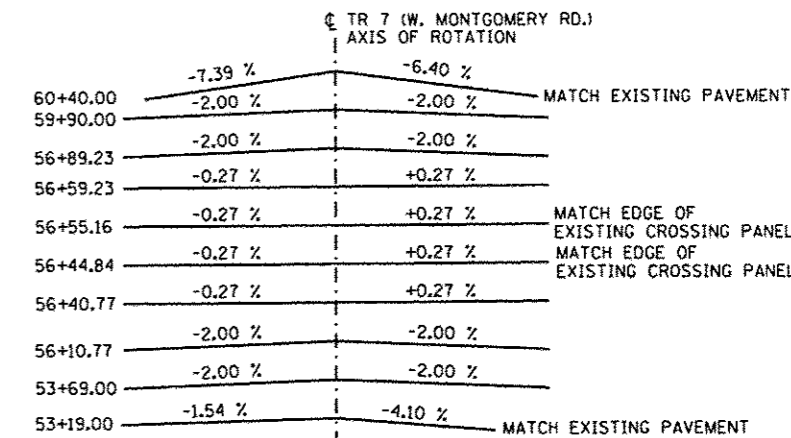
\* SEE RAILROAD CROSSING DETAILS FOR UPRR CROSSING APPROACH PAVEMENT  
\* SEE ROADWAY CROWN TRANSITION (THIS SHEET)

**LEGEND**

- ① HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50 (2")
- ② HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50 (2 1/2")
- ③ AGGREGATE BASE COURSE, TYPE A (8")
- ④ AGGREGATE SHOULDERS, TYPE B (6")
- ⑤ TOPSOIL FURNISH AND PLACE, 4", SEEDING AND FERTILIZER

**STRUCTURAL DESIGN TRAFFIC**

YEAR <u>2030</u>		
PV = <u>440</u>	SU = <u>35</u>	MU = <u>25</u>
ROAD/STREET CLASSIFICATION: CLASS <u>III</u>		
PERCENT OF STRUCTURAL DESIGN TRAFFIC IN DESIGN LANE:		
P = <u>88</u>	S = <u>7</u>	M = <u>5</u>
TRAFFIC FACTOR: ACTUAL TF = <u>0.13</u> AC TYPE = <u>AC-20</u>		
PG GRADE: BINDER = <u>64-22</u> SURFACE = <u>64-22</u>		
SUBGRADE SUPPORT RATING:		
SSR = <u>POOR</u>		



**ROADWAY CROWN TRANSITION**

TRANSITION CROWN TO MATCH RR GRADE CROSSING AND TRANSITION CROWN TO MATCH EXISTING PAVEMENT AT BEGIN AND END OF IMPROVEMENT.

**EARTHWORK SCHEDULE**

LOCATION	EARTH EXCAVATION (CU YD)	EARTH EXCAVATION ADJUSTED FOR SHRINKAGE (25%) (CU YD)	EMBANKMENT (CU YD)	FURNISHED EXCAVATION (CU YD)	EARTH EXCAVATION FOR EROSION CONTROL (CU YD)	TOPSOIL FURNISH AND PLACE, 4" (SQ YD)
53+19 TO 56+44.84	207	155	417	262		618
56+55.16 TO 60+40	334	251	673	423		1200
53+19 LT					8	
53+19 RT					5	
55+00 RT					5	
57+00 LT					5	
58+50 LT & RT					12	
<b>TOTALS</b>	<b>541</b>	<b>406</b>	<b>1090</b>	<b>685</b>	<b>35</b>	<b>1818</b>

**SEEDING AND EROSION CONTROL SCHEDULE**

LOCATION	SEEDING, CLASS 2 (ACRE)	TEMPORARY EROSION CONTROL SEEDING (POUND)	NITROGEN FERTILIZER NUTRIENT (POUND)	PHOSPHORUS FERTILIZER NUTRIENT (POUND)	POTASSIUM FERTILIZER NUTRIENT (POUND)	MULCH, METHOD 2 (ACRE)	TEMPORARY DITCH CHECKS (FOOT)	PERIMETER EROSION BARRIER (FOOT)	INLET AND PIPE PROTECTION (EACH)
53+19 TO 56+44.84	0.25	75	23	23	23	0.25			
56+55.16 TO 60+40	0.25	75	23	23	23	0.25			
53+19 LT							13		
53+19 RT							6		
55+00 RT							5		
57+00 LT							5		
58+50 LT							7		
58+50 RT							10		
53+19 LT TO 54+39 LT								120	
56+23 LT TO 56+46 LT								23	
53+19 RT TO 56+12 RT								293	
56+80 LT TO 60+40 LT								350	
56+93 RT TO 60+40 RT								347	
54+79.80, 21.5' LT									1
54+79.70, 24.5' LT									1
56+85.61, 26.7' RT									1
<b>TOTALS</b>	<b>0.50</b>	<b>150</b>	<b>46</b>	<b>46</b>	<b>46</b>	<b>0.50</b>	<b>46</b>	<b>1133</b>	<b>3</b>

**ROADWAY SCHEDULE**

LOCATION	AGGREGATE BASE COURSE, TYPE A (TON)	BITUMINOUS MATERIALS (PRIME COAT) (POUND)	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50 (TON)	BITUMINOUS MATERIALS (TACK COAT) (POUND)	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50 (TON)	AGGREGATE SHOULDERS, TYPE B (TON)
53+19 TO 56+37.72	377	1800	111	177	87	
56+37.72 TO 56+44.84	19	62	21	6	3	
56+55.16 TO 56+62.28	19	62	21	6	3	
56+62.28 TO 60+40	448	2139	132	212	103	
53+19 LT TO 56+43.93 LT						55
53+19 RT TO 56+08.17 RT						50
56+91.83 LT TO 60+40 LT						60
56+84.65 RT TO 60+40 RT						61
<b>TOTALS</b>	<b>863</b>	<b>4063</b>	<b>285</b>	<b>401</b>	<b>196</b>	<b>226</b>

**ENTRANCE SCHEDULE**

LOCATION	AGGREGATE BASE COURSE, TYPE B (TON)	AGGREGATE SURF COURSE, TYPE B (TON)	INCIDENTAL HOT-MIX ASPHALT SURFACING (TON)	AGGREGATE FOR TEMPORARY ACCESS (TON)	BITUMINOUS MATERIALS (PRIME COAT) (POUND)
CE LT 54+49.80	29		6	17	113
ACCESS RD RT 56+21.17	13	57	3	36	50
ACCESS RD RT 56+71.65	13	39	3	27	50
ACCESS RD LT 56+78.63	13	36	3	25	50
<b>TOTALS</b>	<b>68</b>	<b>132</b>	<b>15</b>	<b>105</b>	<b>263</b>

**MARKER SCHEDULE**

LOCATION	PERMANENT SURVEY MARKERS, TYPE 1 (EACH)
52+00 C/L TR 7 (W. MONTGOMERY RD)	1
60+00 C/L TR 7 (W. MONTGOMERY RD)	1
<b>TOTALS</b>	<b>2</b>

**CULVERT SCHEDULE**

LOCATION	TRENCH BACKFILL (CU YD)	PIPE CULVERTS, CLASS A, TYPE 2 24" (FOOT)	PIPE CULVERTS, CLASS D, TYPE 1 12" (FOOT)	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24" (EACH)
54+21.80, 20.8' LT TO 54+79.80, 21.5' LT			58	
54+21.70, 23.8' LT TO 54+79.70, 24.5' LT			58	
56+85.61, 26.7' RT TO 56+92.73, 27.0' LT		54		
56+87.64, 17' RT TO 56+91.58, 17' LT	30			
56+85.61, 26.7' RT				1
56+92.73, 27.0' LT				1
<b>TOTALS</b>	<b>30</b>	<b>54</b>	<b>116</b>	<b>2</b>

**STRIPING & SIGNING SCHEDULE**

LOCATION	PREFORMED THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS (SQ FT)		PREFORMED THERMOPLASTIC PAVEMENT MARKING - LINE 4" (FOOT)		PREFORMED THERMOPLASTIC PAVEMENT MARKING - LINE 24" (FOOT)	SIGN PANEL - TYPE 1 (SQ FT)	METAL POST - TYPE A (FOOT)	METAL POST - TYPE B (FOOT)
	"R"	"X"	WHITE	YELLOW	WHITE			
53+23 RT TO 53+73 RT	7.2	54.0						
59+84 LT TO 60+35 LT	7.2	54.0						
53+19 LT EOP TO 56+47 LT EOP			328					
56+57 LT EOP TO 60+40 LT EOP			383					
53+19 RT EOP TO 56+43 RT EOP			324					
56+53 RT EOP TO 60+40 RT EOP			387					
53+19 1' LT AND RT TO 56+45 1' LT AND RT				652				
56+55 1' LT AND RT TO 60+40 1' LT AND RT				770				
53+23 RT					10			
53+73 RT					11			
56+28 RT					11			
56+72 LT					11			
59+85 LT					11			
60+35 LT					10			
53+38 RT (2 - 13' TYPE A POST)						9	26	
55+78 RT (2 - 20' TYPE B POST)						9		40
57+22 LT (2 - 20' TYPE B POST)						9		40
60+21 LT (2 - 14' TYPE A POST)						9	26	
<b>TOTALS</b>	<b>14.4</b>	<b>108.0</b>	<b>1422</b>	<b>1422</b>	<b>64</b>	<b>36</b>	<b>54</b>	<b>80</b>

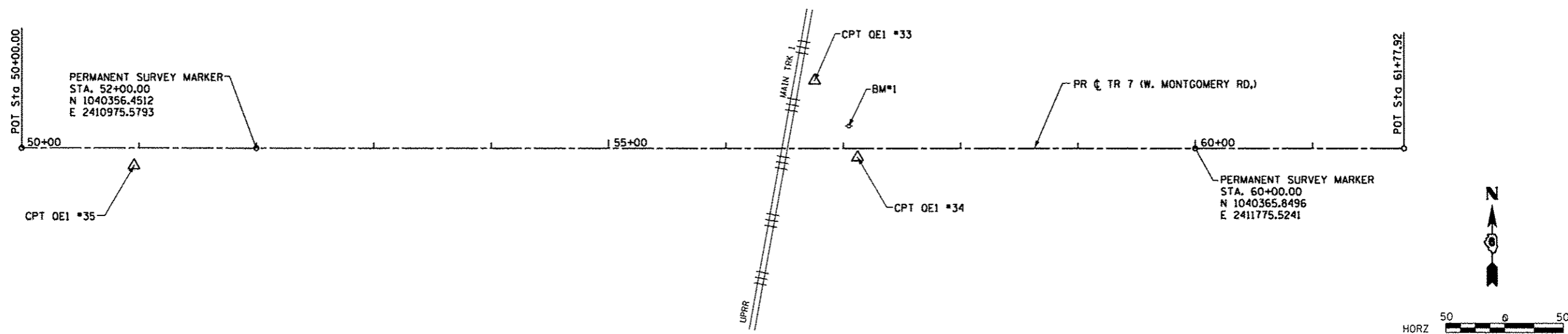
**PIPE CULVERT REMOVAL SCHEDULE**

LOCATION	PIPE CULVERT REMOVAL (FOOT)
54+35, 16' LT TO 54+65, 15' LT	30
56+85, 16' RT TO 56+87, 14' LT	31
<b>TOTALS</b>	<b>61</b>

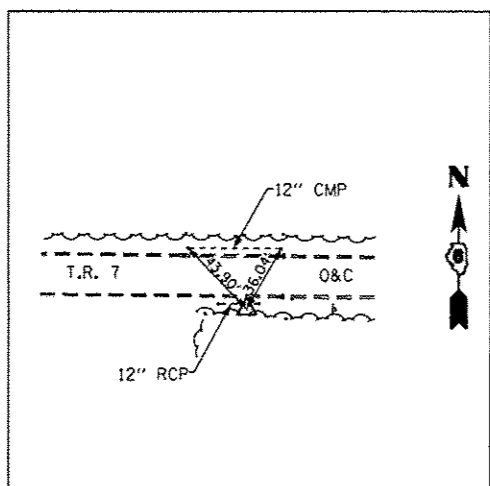
**ESTIMATED QUANTITY SCHEDULE**

THE FOLLOWING ITEM HAS BEEN INCLUDED IN THE ESTIMATED QUANTITIES FOR HANDLING FIELD TILE CONFLICTS. THIS QUANTITY MAY BE REDUCED, INCREASED OR DELETED BY THE ENGINEER BASED ON ACTUAL FIELD CONDITIONS. NO WORK INVOLVING THIS QUANTITY SHALL BE PERFORMED WITHOUT THE DIRECTION OF THE ENGINEER.

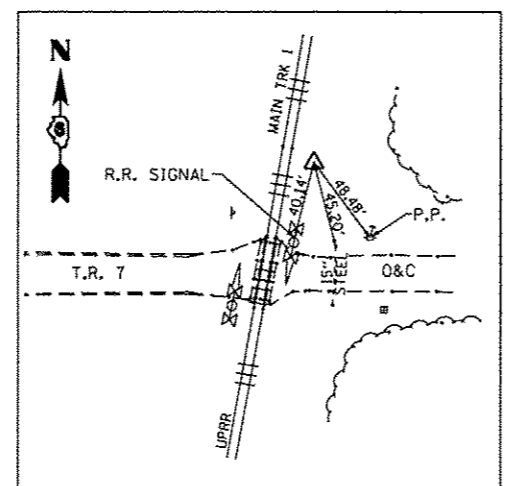
ITEM	UNIT	TOTAL
PIPE DRAINS 12"	FOOT	40



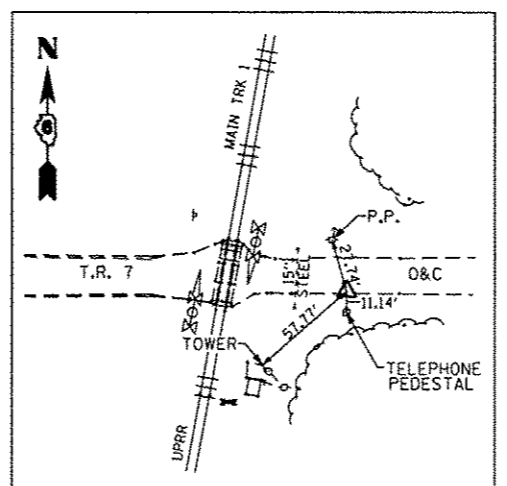
ALIGNMENT COORDINATES - T.R. 7 (W. MONTGOMERY RD.)			
	STATION	N	E
POT	50+00.00	1040354.1016	2410775.5931
POT	61+77.92	1040367.9397	2411953.4293



**CONTROL POINT OE1 #35**  
 SET I.P. WITH BLUE CAP  
 STA. 50+95.84, 14.89' RT.  
 N 1040340.343  
 E 2410871.605  
 ELEV. 658.768



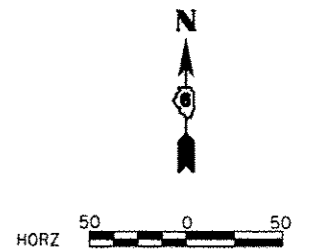
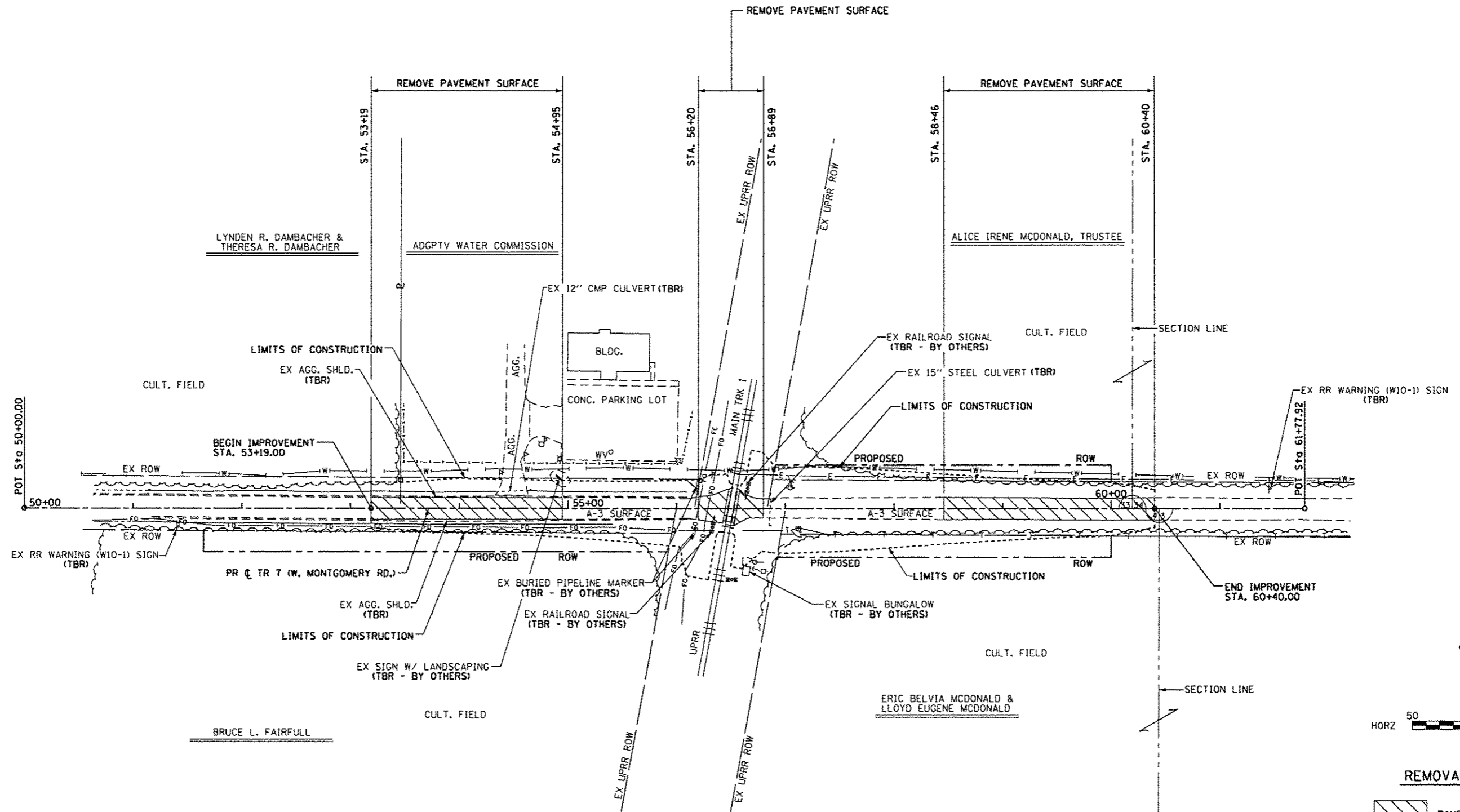
**CONTROL POINT OE1 #33**  
 SET I.P. WITH BLUE CAP  
 STA. 56+75.50, 57.85' LT.  
 N 1040419.884  
 E 2411450.365  
 ELEV. 663.103



**CONTROL POINT OE1 #34**  
 SET P.K. NAIL IN PAVEMENT  
 STA. 57+12.03, 7.61' RT.  
 N 1040354.860  
 E 2411487.662  
 ELEV. 663.283

**BENCHMARK**  
 BM\*1 - R.R. SPIKE IN S. FACE OF POWER POLE  
 STA. 57+05, 19' LT. ELEV. 665.17





**REMOVAL LEGEND**

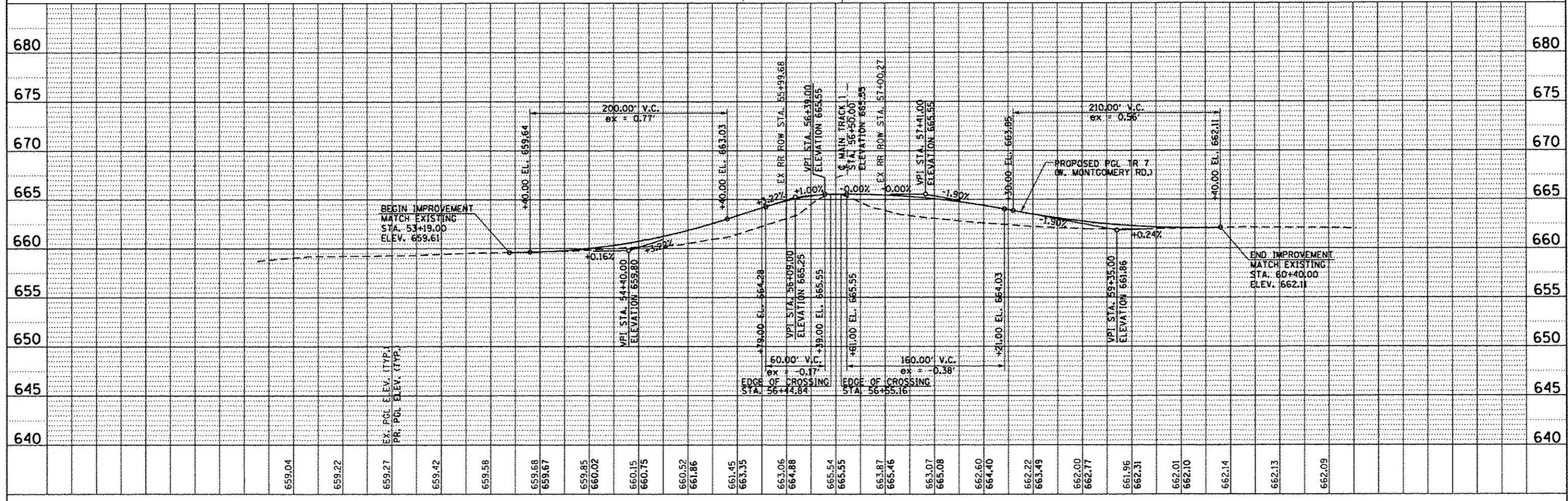
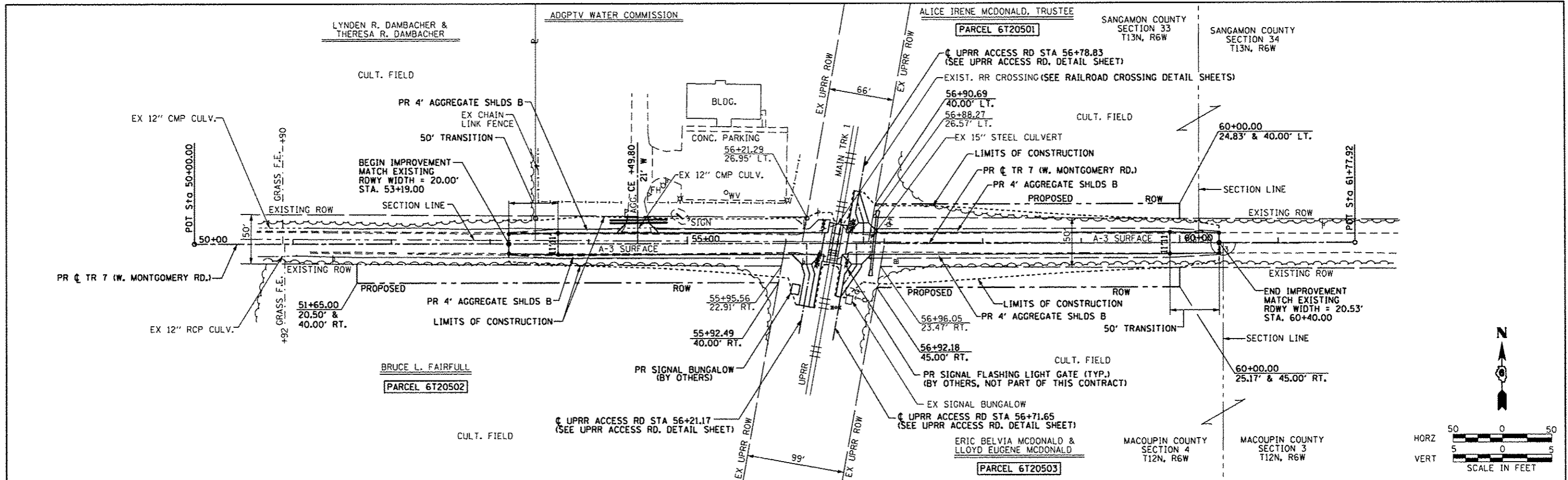
- PAVEMENT REMOVAL
- TBR = TO BE REMOVED

FILE NAME : D693647-shr-rem.dgn	USER NAME : Rendel.Liz	DESIGNED - REZ	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>REMOVAL PLAN</b>	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 1/8" = 50'	CHECKED - ACW	REVISED -			TR 7	15-HSRT2-00-RR	SANGAMON	30	9
PLOT DATE = 1/8/2016	DATE = 01-08-2016	REVISED -	REVISED -	SCALE: 1" = 50'	SHEET 1 OF 1 SHEETS	STA. 53+19.00 TO STA. 60+40.00		CONTRACT NO. 93647		
ILLINOIS FED. AID PROJECT										

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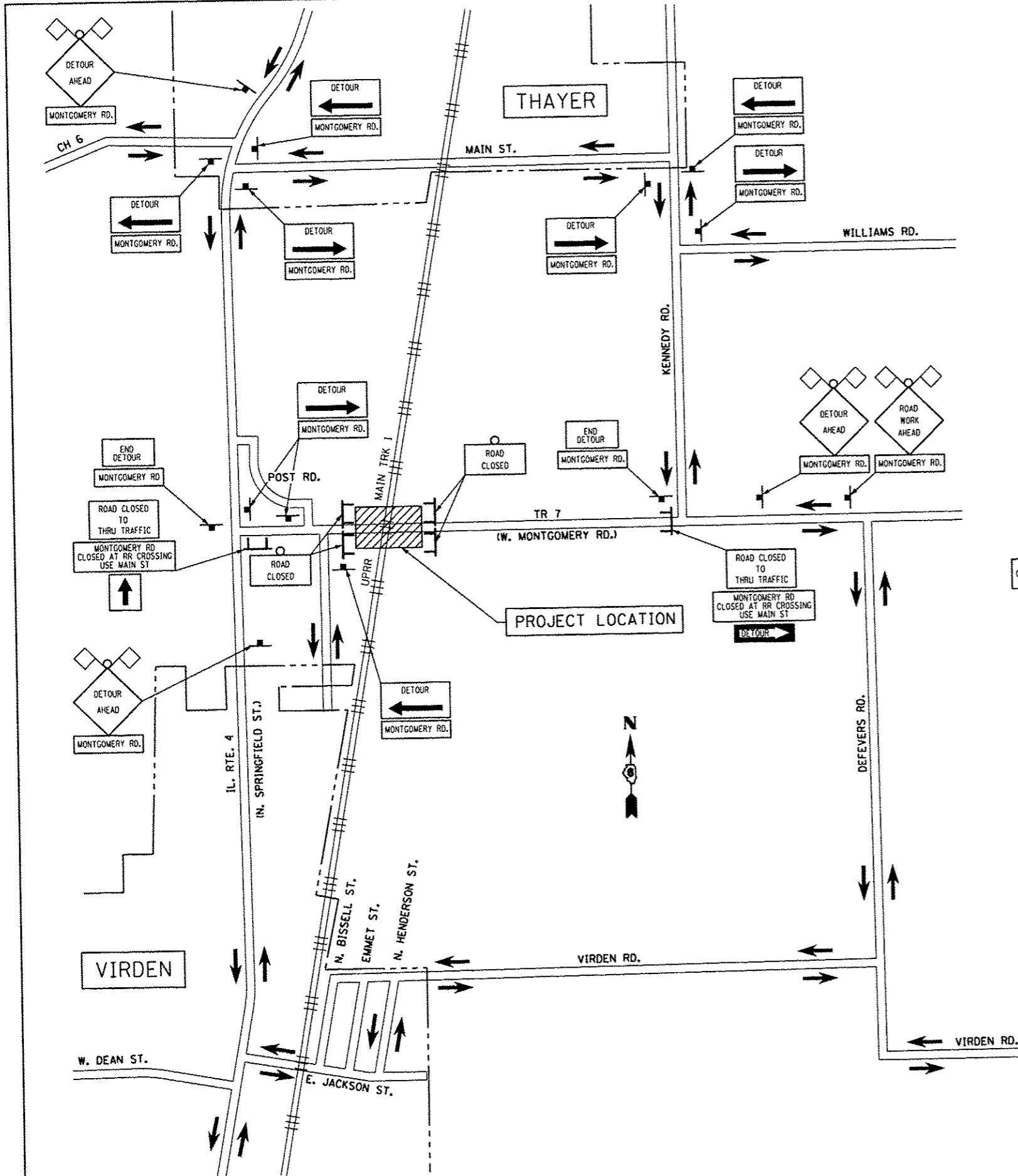
DATE	
BY	
REVISIONS	
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REVISIONS	
NO.	



FILE NAME = 0693647-shr-plnprf.dgn	USER NAME = Randel.Zilz	DESIGNED - REZ	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PLAN &amp; PROFILE</b>	F.A. RTE. #TR 7	SECTION 15-HSRT2-00-RR	COUNTY SANGAMON	TOTAL SHEETS 30	SHEET NO. 10	
PLOT SCALE = 1/8"=10'-0"	CHECKED - ACW	REVISIONS -	SCALE: 1" = 50'			SHEET 1 OF 1 SHEETS	STA. 53+19.00 TO STA. 60+40.00	CONTRACT NO. 93647		ILLINOIS FED. AID PROJECT	
PLOT DATE = 1/8/2016	DATE - 01-08-2016	REVISIONS -									

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### LEGEND

- CONSTRUCTION WORK AREA
- TYPE III BARRICADE WITH
- WARNING LIGHT
- WARNING FLAG
- ROAD WORK AHEAD W20-1 36" X 36"
- DETOUR AHEAD W20-2 36" X 36"
- ROAD CLOSED R11-2 48" X 30"
- ROAD CLOSED TO THRU TRAFFIC R11-4 60" X 30"
- END DETOUR M4-8o 24" X 18"
- DETOUR WITH RIGHT ARROW M4-9R 30" X 24"
- DETOUR WITH LEFT ARROW M4-9L 30" X 24"
- DETOUR, RIGHT ARROW M4-10R 48" X 18"
- DIRECTIONAL UP ARROW M6-3 21" X 15"
- SPECIAL SIGN SP-1 30" X 15"
- SPECIAL SIGN SP-2 60" X 24"

- ### NOTES
- ALL TRAFFIC CONTROL DEVICES AND INSTALLATION SHALL BE IN ACCORDANCE WITH THE LATEST ISSUE OF THE 2009 EDITION MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).
  - SUFFICIENT TYPE III BARRICADES SHALL BE ERECTED TO ADEQUATELY CLOSE THE ENTIRE ROADWAY WIDTH AT THE RAILROAD CROSSING.
  - ALL EXISTING SIGNS IN CONFLICT WITH THE CONSTRUCTION SIGNS SHALL BE COVERED IN PLACE, AS DIRECTED BY THE ENGINEER. THE CONTRACTOR SHALL UNCOVER SIGNS WHEN CONSTRUCTION IS COMPLETE, AS DIRECTED BY THE ENGINEER.
  - ALL NON-REGULATORY CONSTRUCTION SIGNS SHALL HAVE BLACK LETTERS ON AN ORANGE BACKGROUND, EXCEPT AS OTHERWISE NOTED.
  - FLAGS SHALL BE INSTALLED ON ALL CONSTRUCTION SIGNS WITH TYPE A FLASHING WARNING LIGHTS.
  - ALL SIGNS MOUNTED ON SPRING STANDS SHALL HAVE A MINIMUM MOUNTING HEIGHT OF 2' OFF THE PAVEMENT.
  - CONTRACTOR TO COORDINATE CLOSURE WITH THE TOWN OF THAYER, THE TOWN OF VIRDEN, SANGAMON COUNTY, MACOUPIN COUNTY AND IDOT 60 DAYS PRIOR TO BEGINNING WORK.
  - IT IS THE CONTRACTOR'S RESPONSIBILITY TO DESIGN THE SPECIAL SIGNS AND HAVE THEM APPROVED BY THE ENGINEER.
  - SEQUENTIAL RAILROAD ROADWAY CROSSINGS MAY NOT BE CLOSED AT ANY ONE TIME. CLOSURES REQUIRED FOR ROADWAY CROSSINGS WORK MUST BE SCHEDULED A MINIMUM (7) DAYS APART TO ALLOW MOTORISTS TIME FOR TRAFFIC PATTERN ADJUSTMENTS.

ITEM	MUTCD DEVICE NO.	SIZE	QTY
ROAD WORK AHEAD	W20-1	36" x 36"	1
DETOUR AHEAD	W20-2	36" x 36"	3
ROAD CLOSED	R11-2	48" x 30"	4
ROAD CLOSED TO THRU TRAFFIC	R11-4	60" x 30"	2
END DETOUR	M4-8o	24" x 18"	2
DETOUR WITH RIGHT ARROW	M4-9R	30" x 24"	4
DETOUR WITH LEFT ARROW	M4-9L	30" x 24"	4
DETOUR, RIGHT ARROW	M4-10R	48" x 18"	1
DIRECTIONAL UP ARROW	M6-3	21" x 15"	1
SPECIAL SIGN	SP-1	30" x 15"	13
SPECIAL SIGN	SP-2	60" x 24"	2

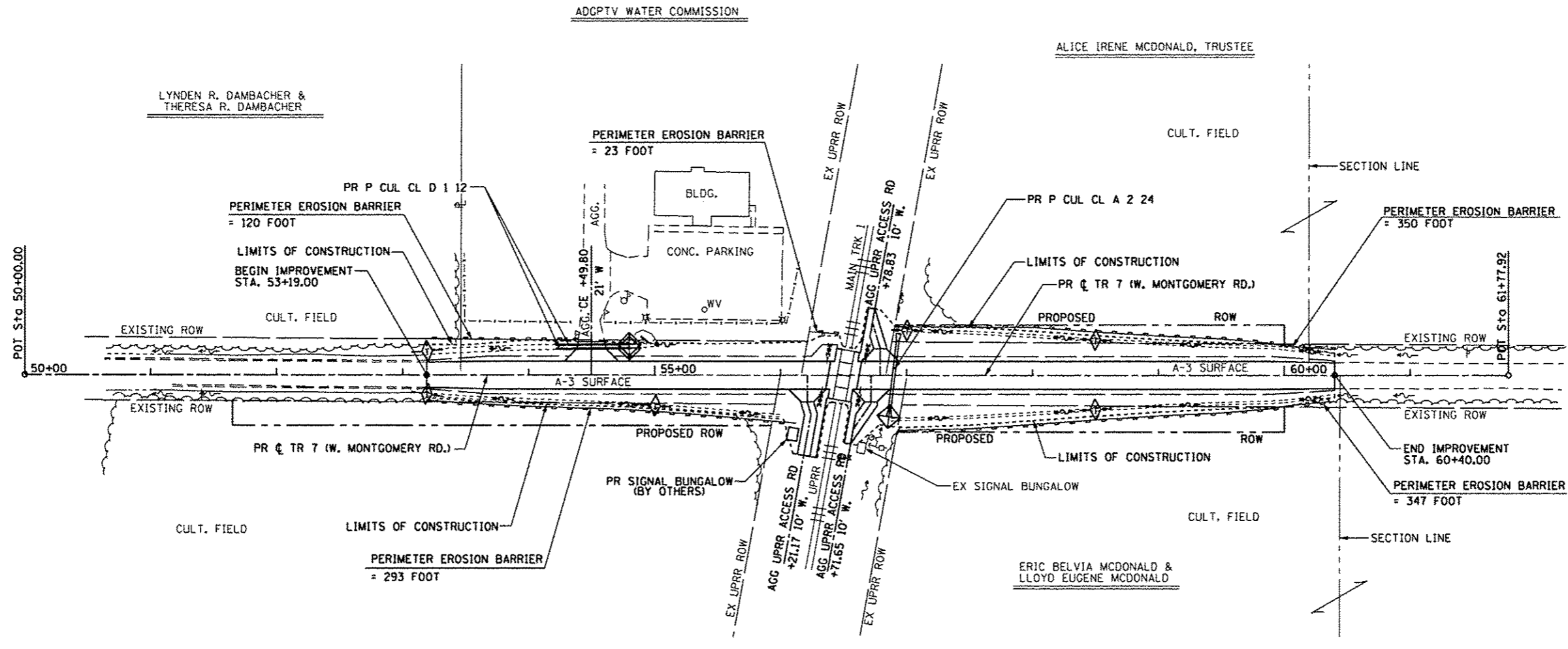
FILE NAME : D693647-ahs-staging.dgn	USER NAME : Randal.Zilk	DESIGNED - REZ	REVISED -
		DRAWN - REZ	REVISED -
		CHECKED - ACW	REVISED -
		DATE - 01-08-2016	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**ROAD CLOSURE & SUGGESTED DETOUR TRAFFIC CONTROL PLAN**

SCALE: NTS    SHEET 1 OF 1 SHEETS    STA.    TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
TR 7	15-HSR2-00-RR	SANGAMON	30	11
W. MONTGOMERY RD.		CONTRACT NO. 93647		
[ILLINOIS] FED. AID PROJECT				



BRUCE L. FAIRFULL

**EROSION CONTROL PLAN**

**DESCRIPTION OF INTENDED SEQUENCE FOR MAJOR CONSTRUCTION ACTIVITIES:**

1. PLACEMENT AND MAINTENANCE OF PERIMETER EROSION BARRIER SHALL BE ESTABLISHED FOR THE ENTIRE LENGTH OF THE PROJECT AS SHOWN ON PLAN.
2. EXCAVATION WILL BE COMPLETED ALONG THE ENTIRE LENGTH OF THE PROJECT TO REMOVE THE EXISTING ROADWAY AND ENTRANCES, AND TO GRADE THE PROPOSED DITCHES AND INSTALL CULVERTS.
3. PLACEMENT AND MAINTENANCE OF TEMPORARY EROSION CONTROL ITEMS, SUCH AS TEMPORARY DITCH CHECKS AND INLET AND PIPE PROTECTION SHALL BE ESTABLISHED.
4. NECESSARY EMBANKMENT FOR THE ROADWAY AND ENTRANCES WILL BE PLACED ALONG THE ENTIRE LENGTH OF THE PROJECT.
5. PLACEMENT AND MAINTENANCE OF TEMPORARY SEEDING AND OTHER MISCELLANEOUS EROSION CONTROL MEASURES SHALL BE ESTABLISHED.
6. PLACEMENT OF PERMANENT EROSION CONTROL ITEMS, SUCH AS SEEDING AND MULCH.
7. CONSTRUCT ROADWAY FOR ENTIRE LENGTH OF PROJECT.
8. REMOVE REMAINING TEMPORARY EROSION CONTROL ITEMS.
9. FINAL GRADING AND OTHER MISCELLANEOUS ITEMS.

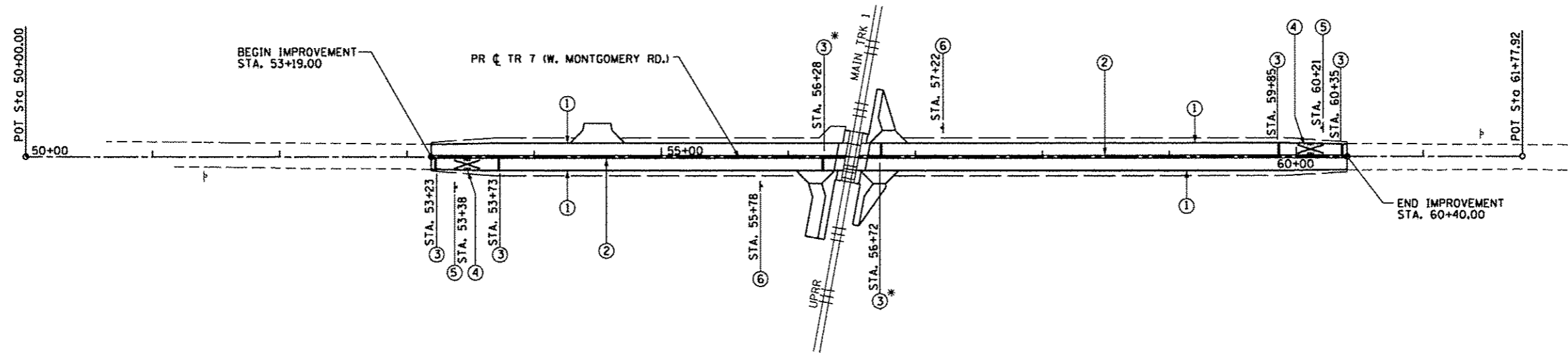
**LEGEND**

- ◇ TEMPORARY DITCH CHECK (TYP.)
- PERIMETER EROSION BARRIER
- ◇ INLET AND PIPE PROTECTION
- ~ SPECIAL DITCH

FILE NAME = 0693647-ahc-eros.dgn	USER NAME = Rondel.Zilz	DESIGNED - REZ	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EROSION CONTROL PLAN	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 100.0000' / 1" = 100'	DRAWN - SRS	REVISED -			*TR 7	15-HSRT2-00-RR	SANGAMON	30	12
	PLOT DATE = 1/8/2016	CHECKED - ACW	REVISED -	SCALE: 1" = 50'	SHEET 1 OF 1 SHEETS	*W. MONTGOMERY RD.	CONTRACT NO. 93647		ILLINOIS FED. AID PROJECT	
		DATE - 01-08-2016	REVISED -	STA. 53+19.00 TO STA. 60+40.00						

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\*STOP LINE MEASURED 4' FROM CROSSING GATE TO STOP BAR ALONG EDGE OF PAVEMENT.

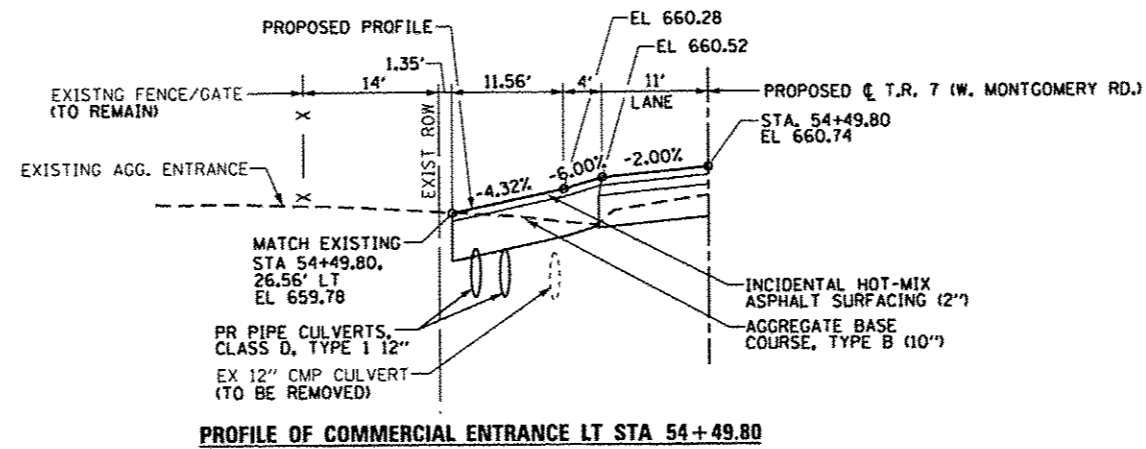
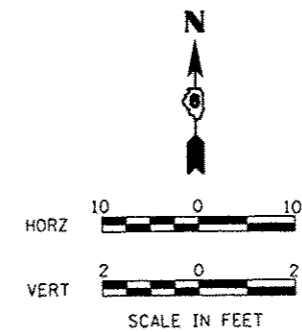
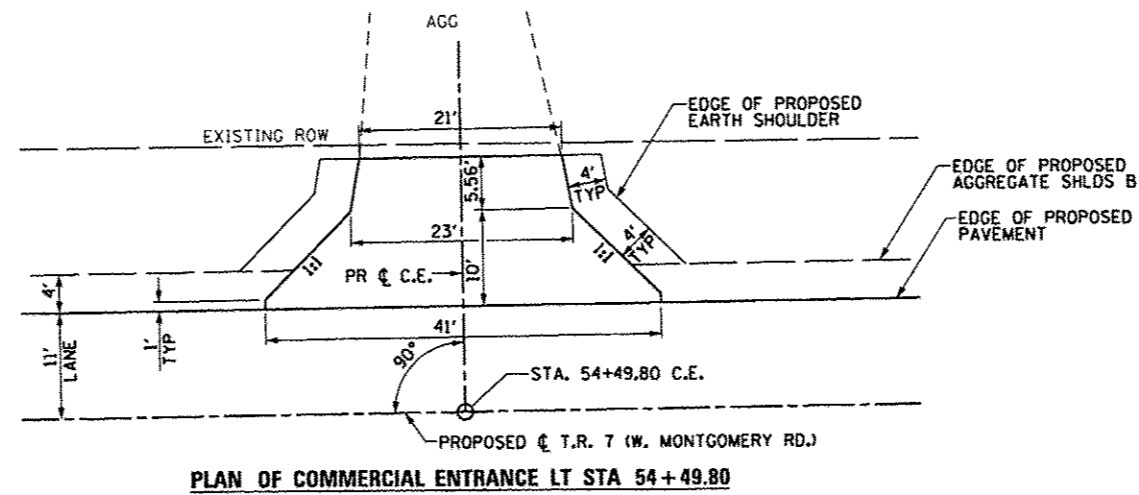
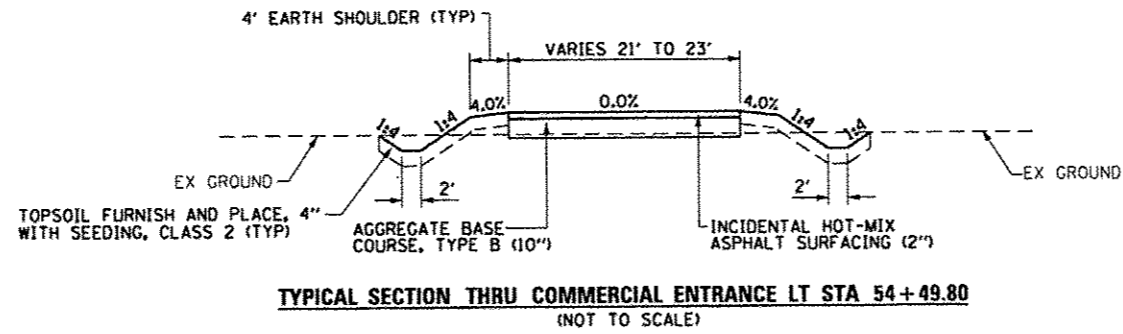
**LEGEND**

- ① PREFORMED THERMOPLASTIC PAVEMENT MARKING - LINE 4" (SOLID WHITE EDGE LINE)
- ② PREFORMED THERMOPLASTIC PAVEMENT MARKING - LINE 4" (SOLID YELLOW DOUBLE CENTER LINE)
- ③ PREFORMED THERMOPLASTIC PAVEMENT MARKING - LINE 24" (SOLID WHITE STOP LINE)
- ④ PREFORMED THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS (WHITE)
- ⑤ SIGN - W10-1 - RAILROAD CROSSING SIGN
- ⑥ SIGN - W10-8 - TRAINS MAY EXCEED 80 MPH

**NOTES**

ALL SIGNS PLACED IN ADVANCE OF RAILROAD WARNING DEVICES SHALL BE A MINIMUM OF 12' FROM EDGE OF PAVEMENT WHERE FEASIBLE.

FILE NAME = 0693647-ahs-pmk.dgn	USER NAME = Randal.Zilk	DESIGNED - REZ	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PAVEMENT MARKING &amp; SIGNING PLAN</b>	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 100.0000' / 1" = 100'	DRAWN - SRS	REVISED -			TR 7	15-HSRT2-00-RR	SANGAMON	30	14
	PLOT DATE = 1/8/2016	CHECKED - ACW	REVISED -			W. MONTGOMERY RD.	CONTRACT NO. 93647		ILLINOIS FED. AID PROJECT	
DATE - 01-08-2016				SCALE: 1" = 50'		SHEET 1 OF 1 SHEETS		STA. 53+19.00 TO STA. 60+40.00		



FILE NAME = D693647-sht-entdet.dgn

USER NAME = Randal.Zilz  
PLOT SCALE = 20.0000 ft / in.  
PLOT DATE = 1/8/2016

DESIGNED - REZ  
DRAWN - REZ  
CHECKED - ACW  
DATE - 01-08-2016

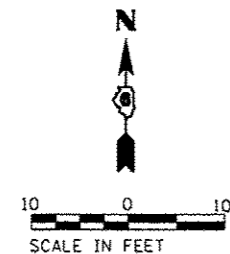
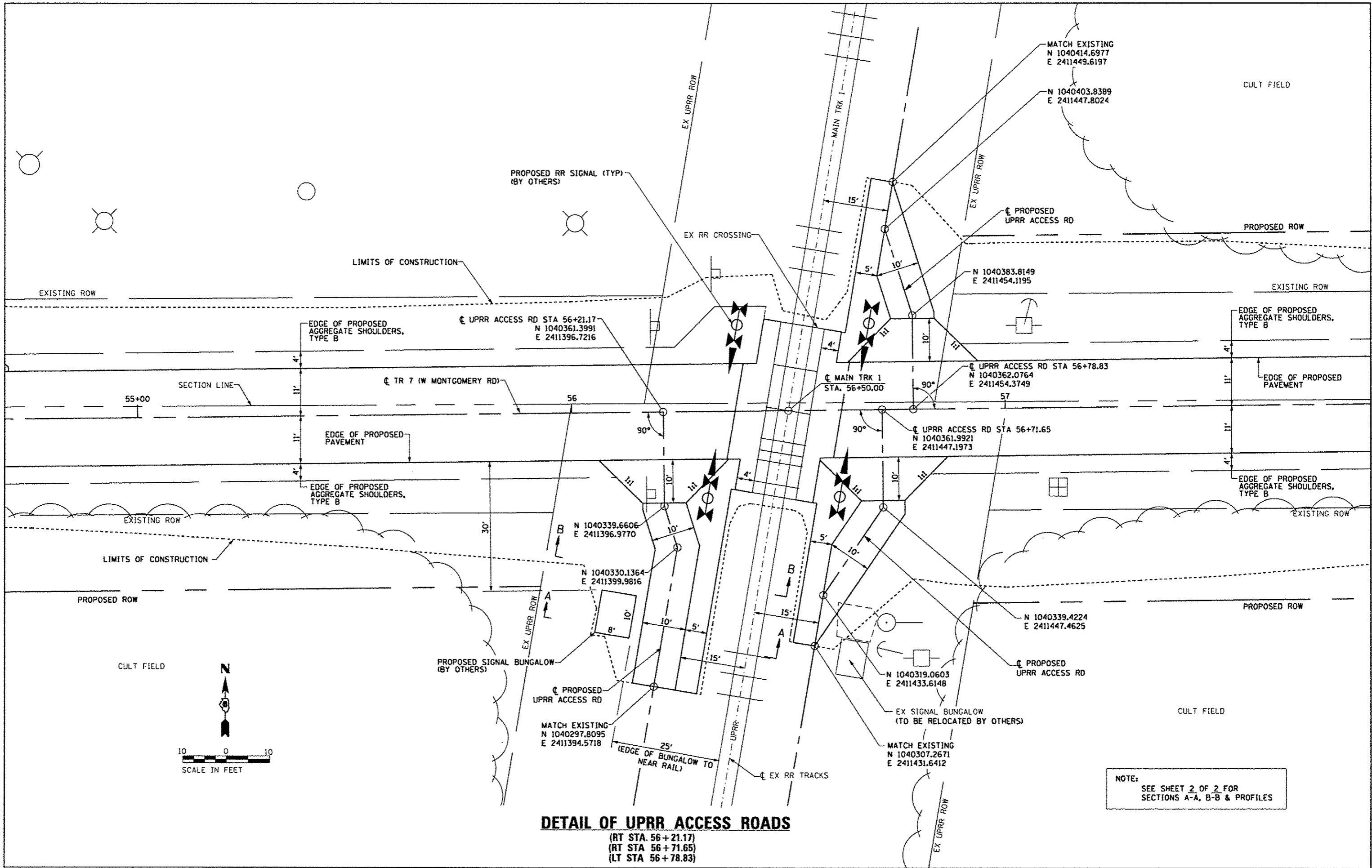
REVISED -  
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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ENTRANCE DETAILS

SCALE: 1" = 10' SHEET 1 OF 1 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•TR 7	15-HSRT2-00-RR	SANGAMON	30	15
•W. MONTGOMERY RD.			CONTRACT NO. 93647	
ILLINOIS FED. AID PROJECT				



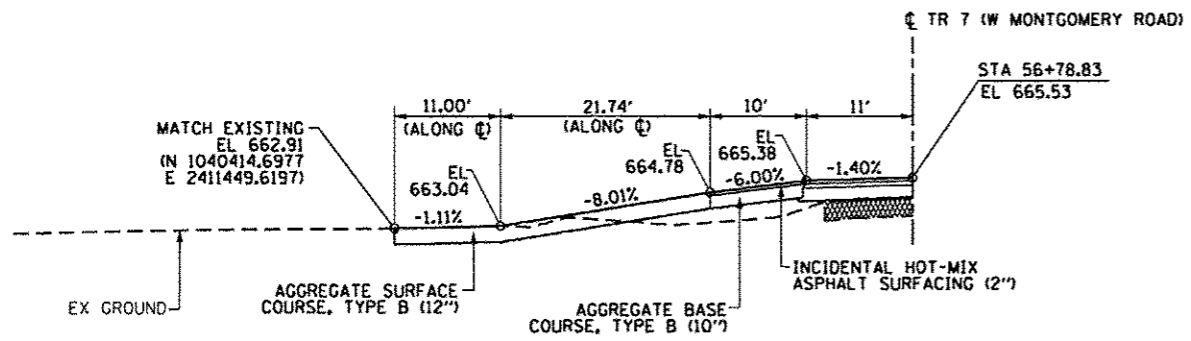
NOTE:  
SEE SHEET 2 OF 2 FOR  
SECTIONS A-A, B-B & PROFILES

**DETAIL OF UPRR ACCESS ROADS**  
(RT STA 56 + 21.17)  
(RT STA 56 + 71.65)  
(LT STA 56 + 78.83)

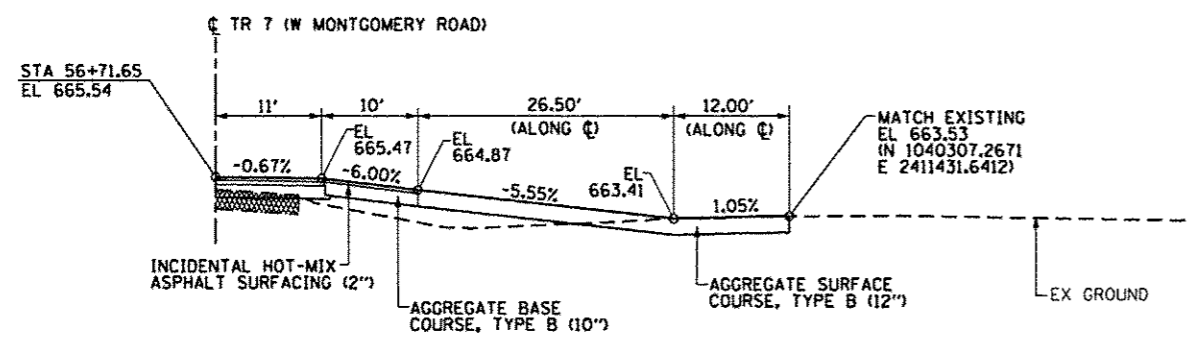
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	PLOT SCALE = 20.0000 Ft / in.	CHECKED - ACW	REVISED -			*TR 7	15-HSRT2-00-RR	SANGAMON	30	16
PLOT DATE = 1/8/2016	DATE = 01-08-2016	REVISED -	REVISED -	SCALE: 1" = 10'	SHEET 1 OF 2 SHEETS	STA.	TO STA.	*W. MONTGOMERY RD. CONTRACT NO. 93647		
ILLINOIS FED. AID PROJECT										

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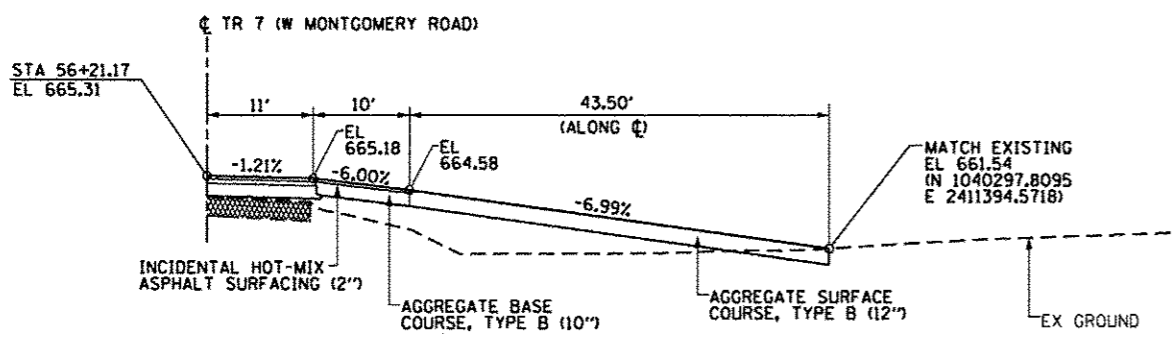




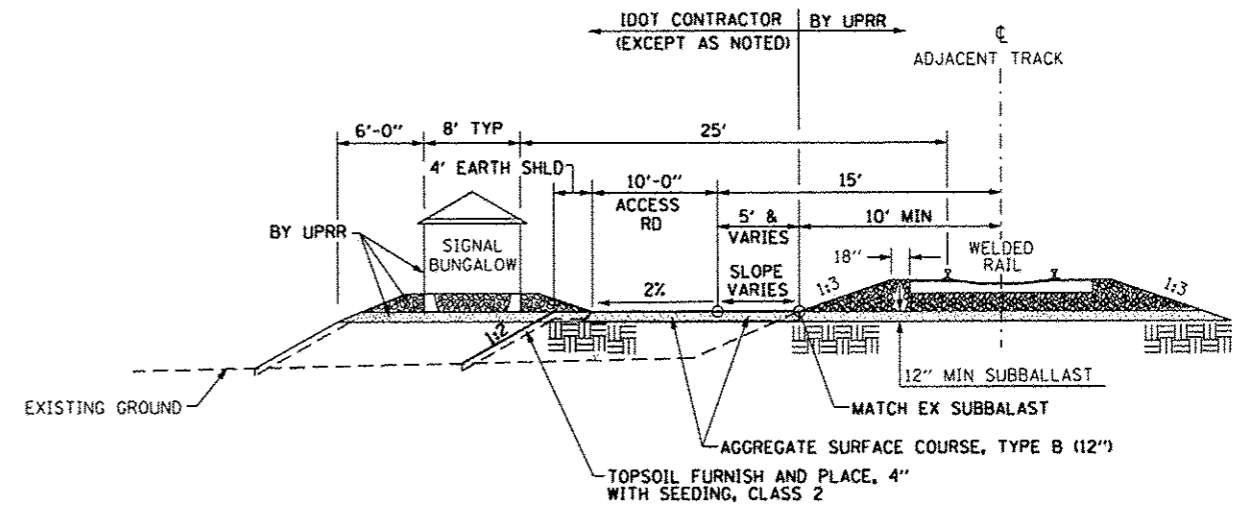
**PROFILE**  
(LT STA 56+78.83)



**PROFILE**  
(RT STA 56+71.65)

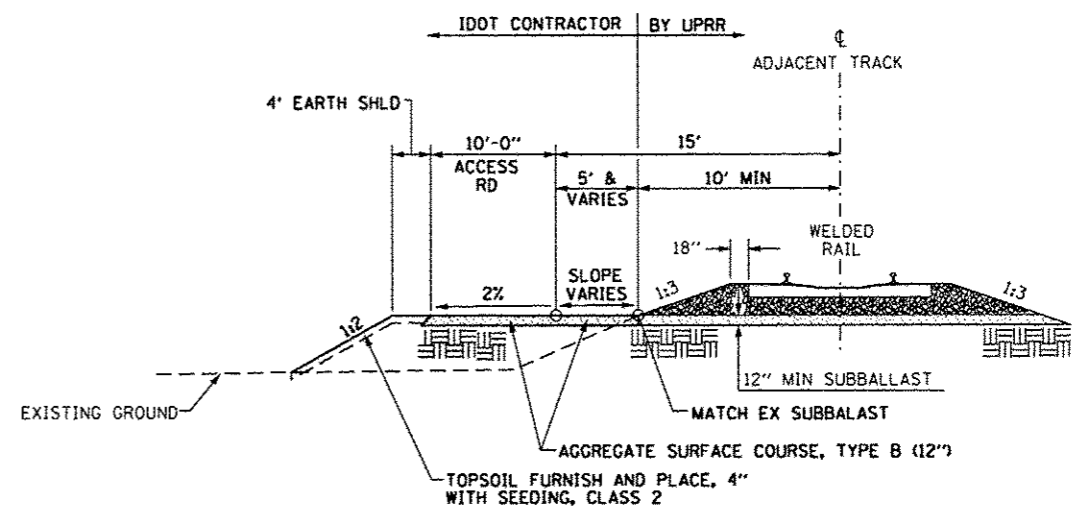
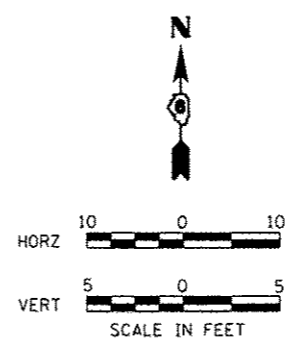


**PROFILE**  
(RT STA 56+21.17)



**SECTION A-A**  
(NTS)

NOTE:  
SEE SHEET 1 OF 2 FOR  
SECTIONS A-A, B-B & PROFILES



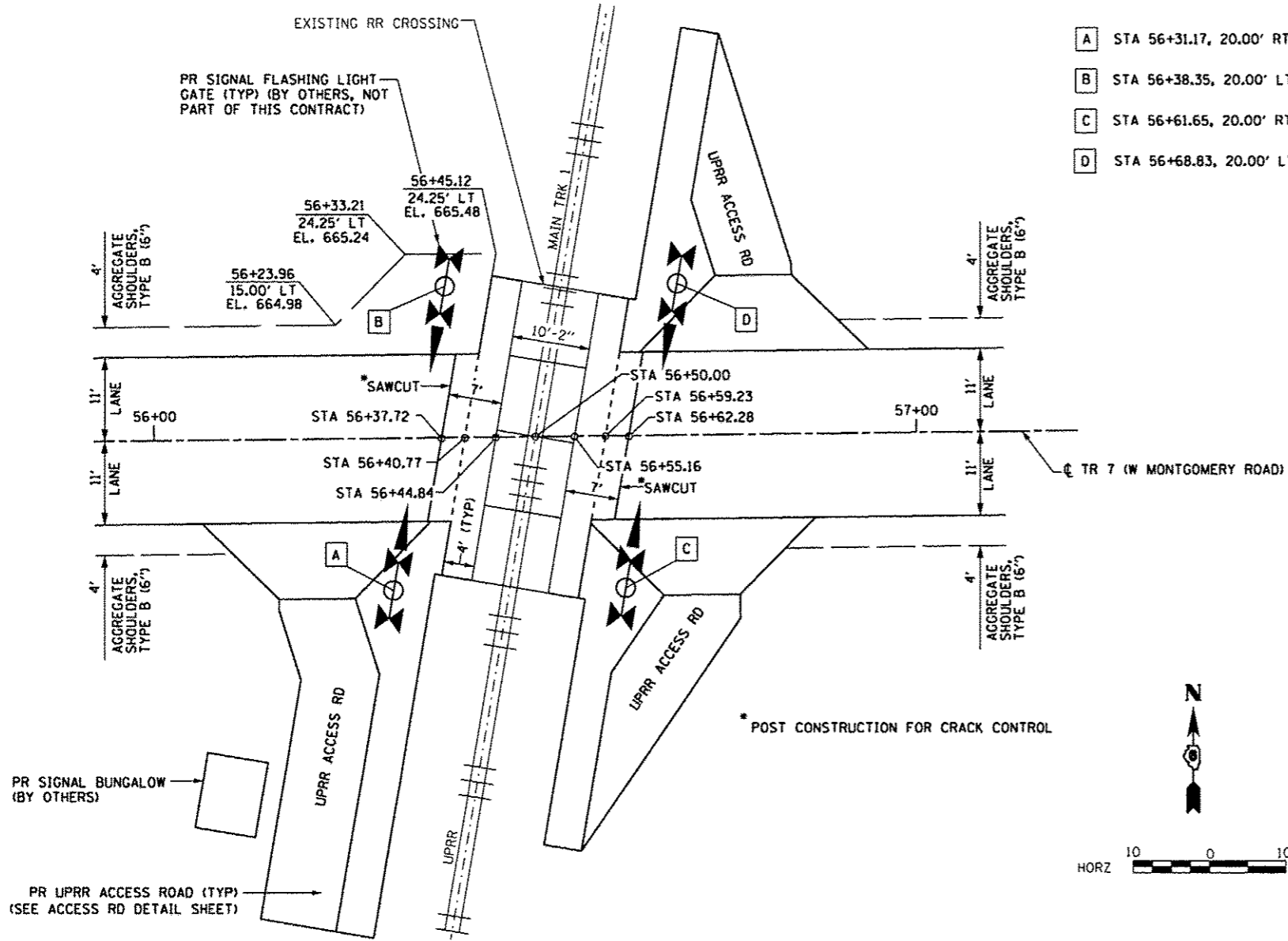
**SECTION B-B**  
(NTS)

**DETAIL OF UPRR ACCESS ROADS**

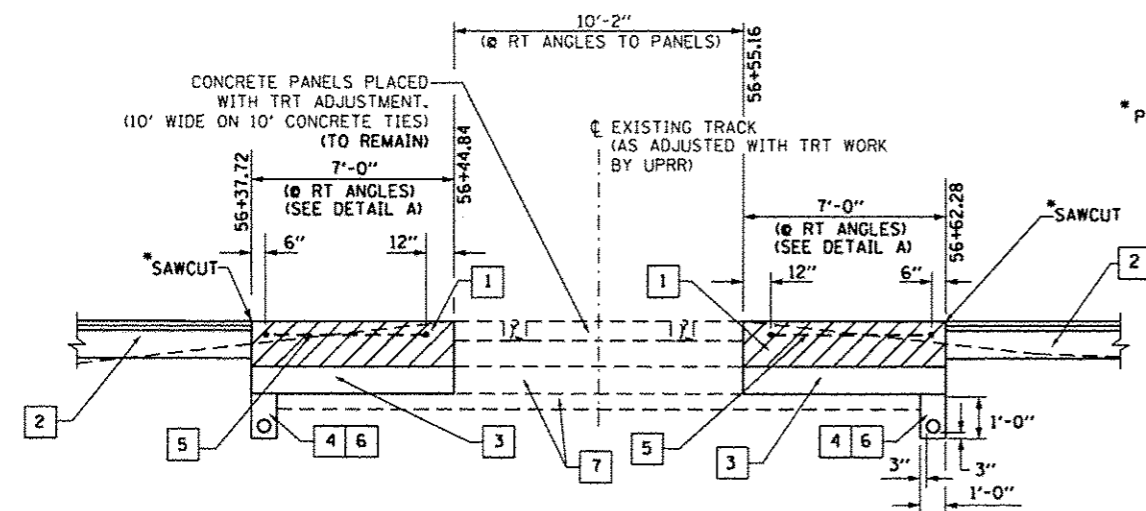
(RT STA 56+21.17)  
(RT STA 56+71.65)  
(LT STA 56+78.83)

FILE NAME : 0693647-sht-accessdet02.dgn	USER NAME : Randel.Zix	DESIGNED - REZ	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	UPRR ACCESS ROAD DETAILS	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 20,000 ft / in.	CHECKED - ACW	REVISED -			*TR 7	15-HSRT2-00-RR	SANGAMON	30	17
	PLOT DATE = 1/8/2016	DATE - 01-08-2016	REVISED -			*W. MONTGOMERY RD.			CONTRACT NO. 93647	
SCALE: AS SHOWN					SHEET 2 OF 2 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT		

- A STA 56+31.17, 20.00' RT (N 1040341.5179, E 2411406.9559)
- B STA 56+38.35, 20.00' LT (N 1040381.5995, E 2411413.6635)
- C STA 56+61.65, 20.00' RT (N 1040341.8760, E 2411437.4330)
- D STA 56+68.83, 20.00' LT (N 1040381.9576, E 2411444.1406)



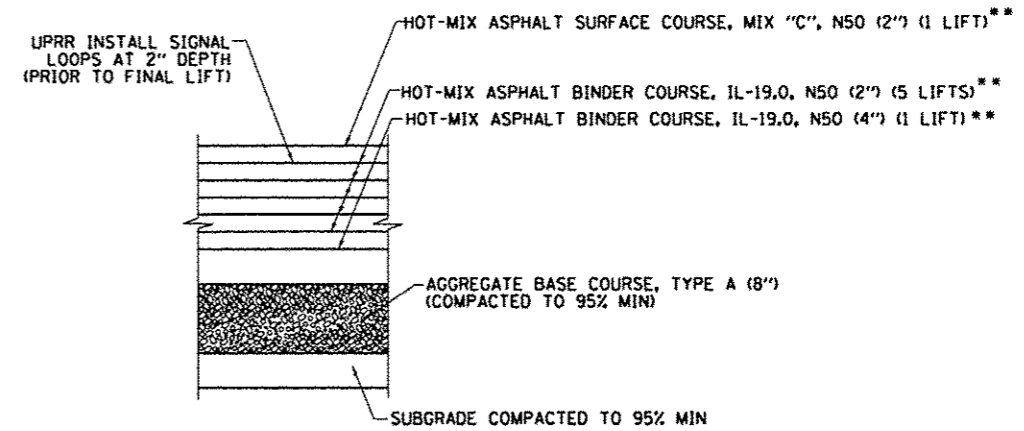
**SHOULDER TRANSITION & GRADE CROSSING DETAIL**



**PAVEMENT AT RAIL CROSSING DETAIL**

(NTS)

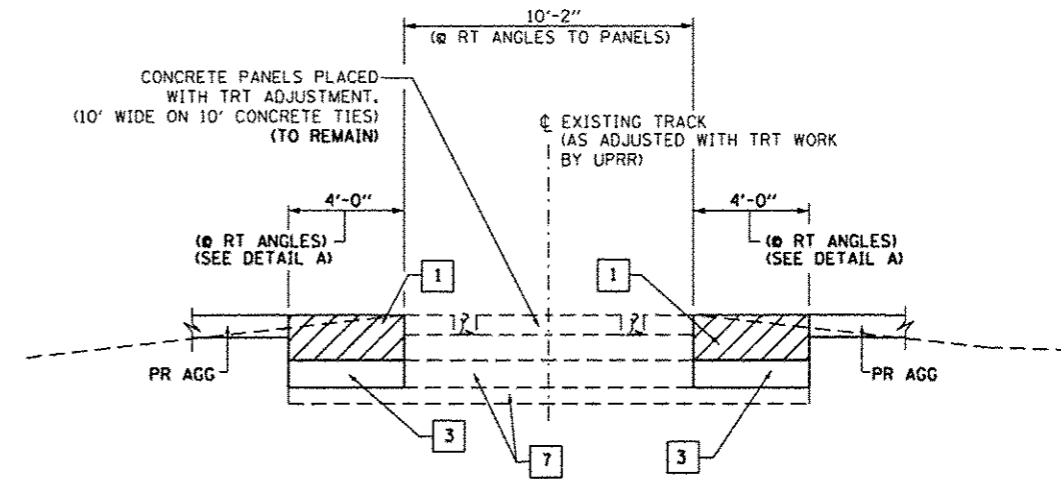
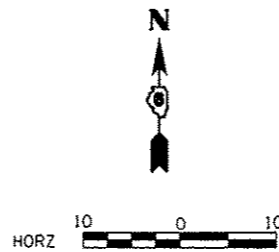
\* POST CONSTRUCTION FOR CRACK CONTROL



**DETAIL A**

TYPICAL PAVEMENT STRUCTURE AT RAIL CROSSING  
STA 56+37.72 TO 56+44.84  
STA 56+55.16 TO 56+62.28

\*\* PLACE BITUMINOUS MATERIALS (PRIME COAT) BETWEEN ALL LIFTS (TYP)



**SHOULDER AT RAIL CROSSING DETAIL**

(NTS)

- 1 CONTRACTOR TO REMOVE PAVEMENT TO 16" BELOW PROPOSED ROADWAY PGL. PLACE 16" HMA BINDER COURSE IN LIFTS TO MEET PROPOSED GRADE. LAST LIFT USING HMA SURFACE COURSE.
- 2 SEE PAVEMENT SECTION SHOWN ON ROADWAY TYPICAL SECTION SHEET.
- 3 AGGREGATE BASE COURSE, TYPE A. (8") SLOPE TOWARD DRAIN.
- 4 POROUS GRANULAR BACKFILL WITH 6" UNDERDRAIN. COST INCLUDED IN AGGREGATE BASE COURSE, TYPE A.
- 5 CONTRACTOR TO COORDINATE WITH UPRR SIGNAL REGARDING PLACEMENT OF DETECTOR LOOPS.
- 6 CONTRACTOR TO FURNISH AND INSTALL GEOTECHNICAL FABRIC AND UNDERDRAIN. COST INCLUDED IN AGGREGATE BASE COURSE, TYPE A.
- 7 BALLAST AND SUBBALLAST (TO REMAIN).

FILE NAME : 0693647-shr-crossingdet01.dgn

USER NAME : Randel,Zila  
PLOT SCALE : 20,0000 Ft / in.  
PLOT DATE : 1/8/2016

DESIGNED - REZ  
DRAWN - SRS  
CHECKED - ACW  
DATE - 01-08-2016

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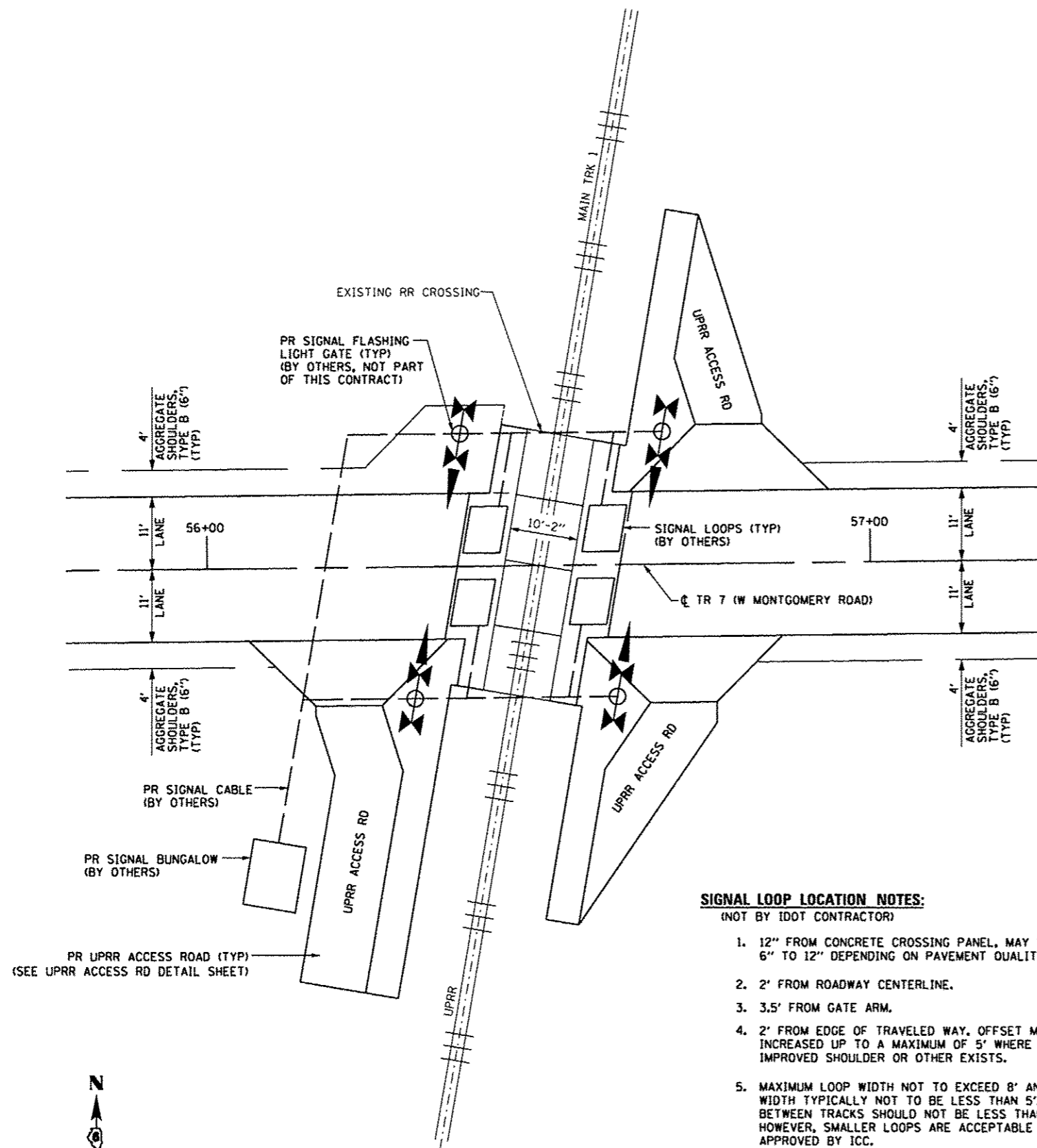
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

UPRR CROSSING DETAILS

SCALE: AS SHOWN SHEET 1 OF 2 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*TR 7	15-HSR2-00-RR	SANGAMON	30	18
*W. MONTGOMERY RD.			CONTRACT NO. 93647	

ILLINOIS FED. AID PROJECT



**SIGNAL LOOP & SIGNAL CABLE DETAIL**

**SIGNAL LOOP LOCATION NOTES:**  
(NOT BY IDOT CONTRACTOR)

1. 12" FROM CONCRETE CROSSING PANEL, MAY VARY FROM 6" TO 12" DEPENDING ON PAVEMENT QUALITY.
2. 2' FROM ROADWAY CENTERLINE.
3. 3.5' FROM GATE ARM.
4. 2' FROM EDGE OF TRAVELED WAY. OFFSET MAY BE INCREASED UP TO A MAXIMUM OF 5' WHERE AN IMPROVED SHOULDER OR OTHER EXISTS.
5. MAXIMUM LOOP WIDTH NOT TO EXCEED 8' AND MINIMUM WIDTH TYPICALLY NOT TO BE LESS THAN 5'. LOOPS BETWEEN TRACKS SHOULD NOT BE LESS THAN 3'. HOWEVER, SMALLER LOOPS ARE ACCEPTABLE AND MUST BE APPROVED BY ICC.
6. DISTANCE BETWEEN ADJACENT LOOPS FOR ONE DIRECTION OF TRAFFIC MUST NOT EXCEED 13'.
7. MAXIMUM LOOP AREA NOT TO EXCEED 144 SF.
8. MAXIMUM LENGTH OF THE LONGEST SIDE OF A LOOP SHALL NOT EXCEED 28.5'.

**NOT IN THIS CONTRACT  
COORDINATE WITH UPRR**

FILE NAME = 0693647-sh1-crossingdet2.dgn

USER NAME = Randal.Zilx

DESIGNED - REZ

REVISED -

PLOT SCALE = 20,000 ft / in.

DRAWN - SRS

REVISED -

PLOT DATE = 1/8/2016

CHECKED - ACW

REVISED -

DATE - 01-08-2016

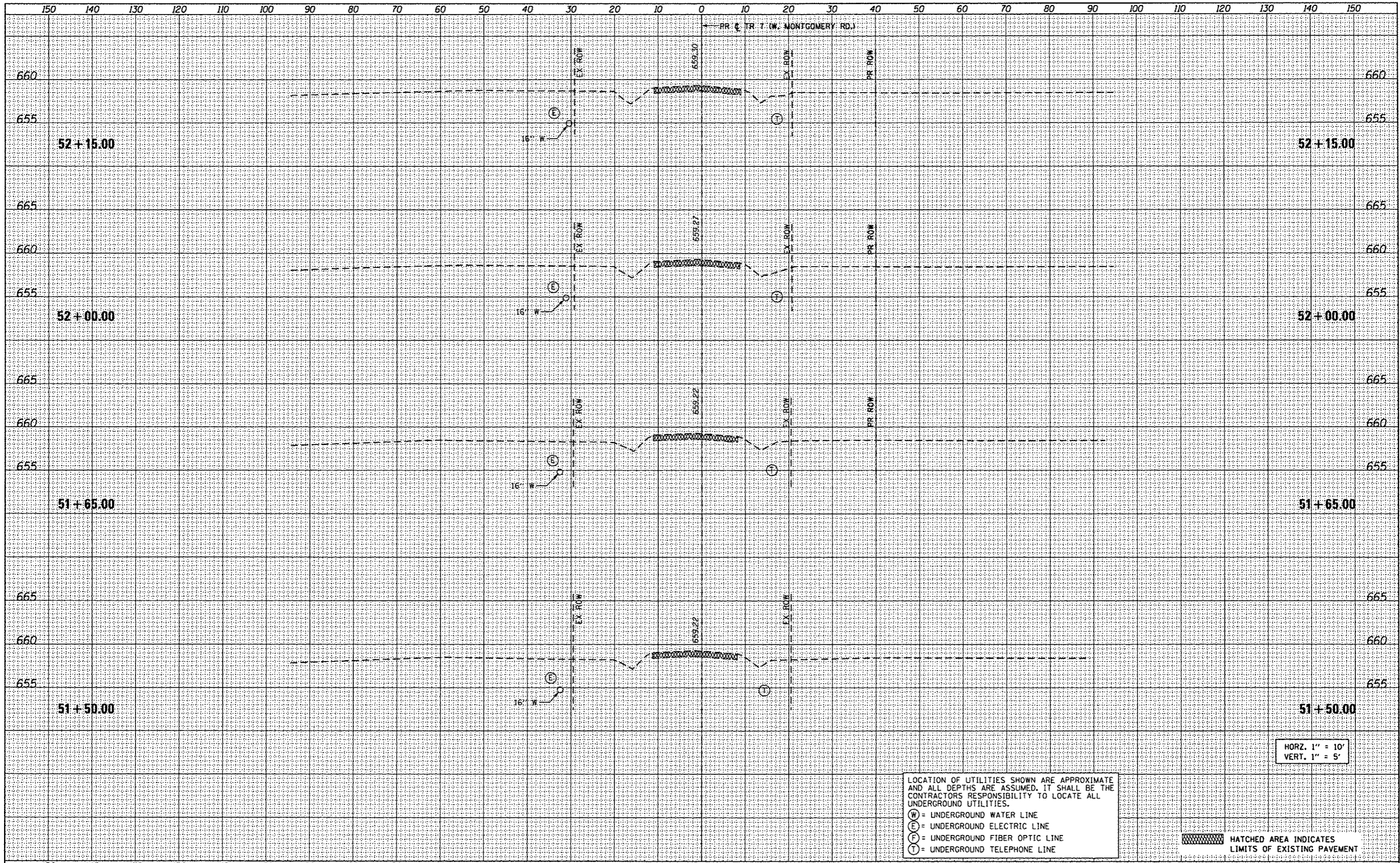
REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**UPRR CROSSING DETAILS**

SCALE: 1" = 10' SHEET 2 OF 2 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*TR 7	15-HSRT2-00-RR	SANGAMON	30	19
*W. MONTGOMERY RD.			<b>CONTRACT NO. 93647</b>	
ILLINOIS FED. AID PROJECT				



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HORZ. 1" = 10'  
VERT. 1" = 5'

LOCATION OF UTILITIES SHOWN ARE APPROXIMATE AND ALL DEPTHS ARE ASSUMED. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO LOCATE ALL UNDERGROUND UTILITIES.

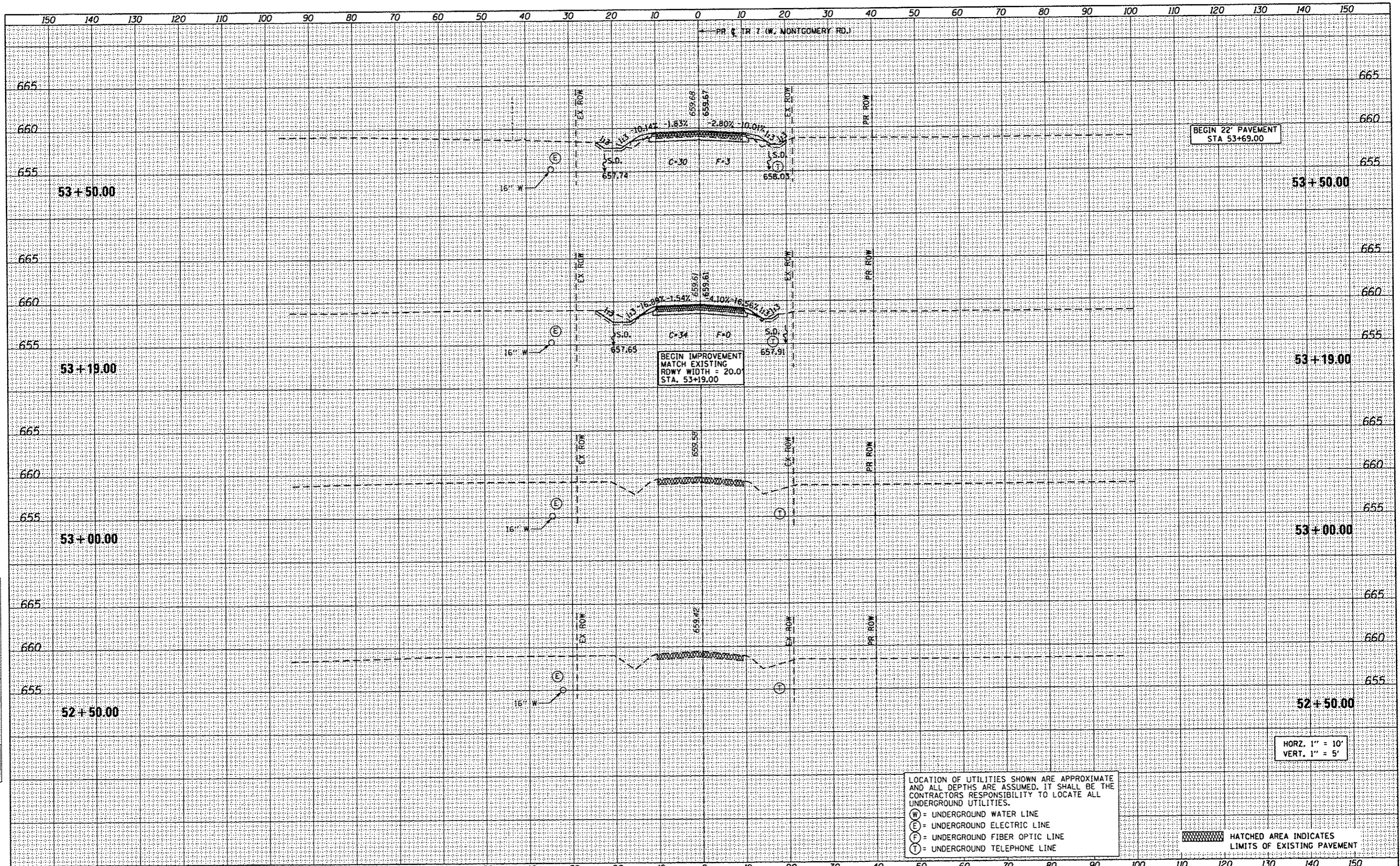
(W) = UNDERGROUND WATER LINE  
 (E) = UNDERGROUND ELECTRIC LINE  
 (F) = UNDERGROUND FIBER OPTIC LINE  
 (T) = UNDERGROUND TELEPHONE LINE

HATCHED AREA INDICATES LIMITS OF EXISTING PAVEMENT

FILE NAME = 0693647-ehs-wsht.dgn	USER NAME = Randal.Zlix	DESIGNED - REZ	REVISOR -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>CROSS SECTIONS</b> <b>TR 7 (W MONTGOMERY ROAD)</b>	F.A. RTE. = TR 7	SECTION = 15-HSRT2-00-RR	COUNTY = SANGAMON	TOTAL SHEETS = 30	SHEET NO. = 20	
PLOT SCALE = 20,0000' / in.	CHECKED - ACW	REVISOR -	SCALE: AS SHOWN			SHEET 1 OF 11 SHEETS	STA. 51+50.00 TO STA. 52+15.00	CONTRACT NO. 93467		ILLINOIS FED. AID PROJECT	
PLOT DATE = 1/8/2016	DATE = 01-08-2016	REVISOR -									
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NOTE BOOK	
TEMPLATE	
AREAS CHECKED	



**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS  
TR 7 (W MONTGOMERY ROAD)**  
SCALE: AS SHOWN SHEET 2 OF 11 SHEETS STA. 52+50.00 TO STA. 53+50.00

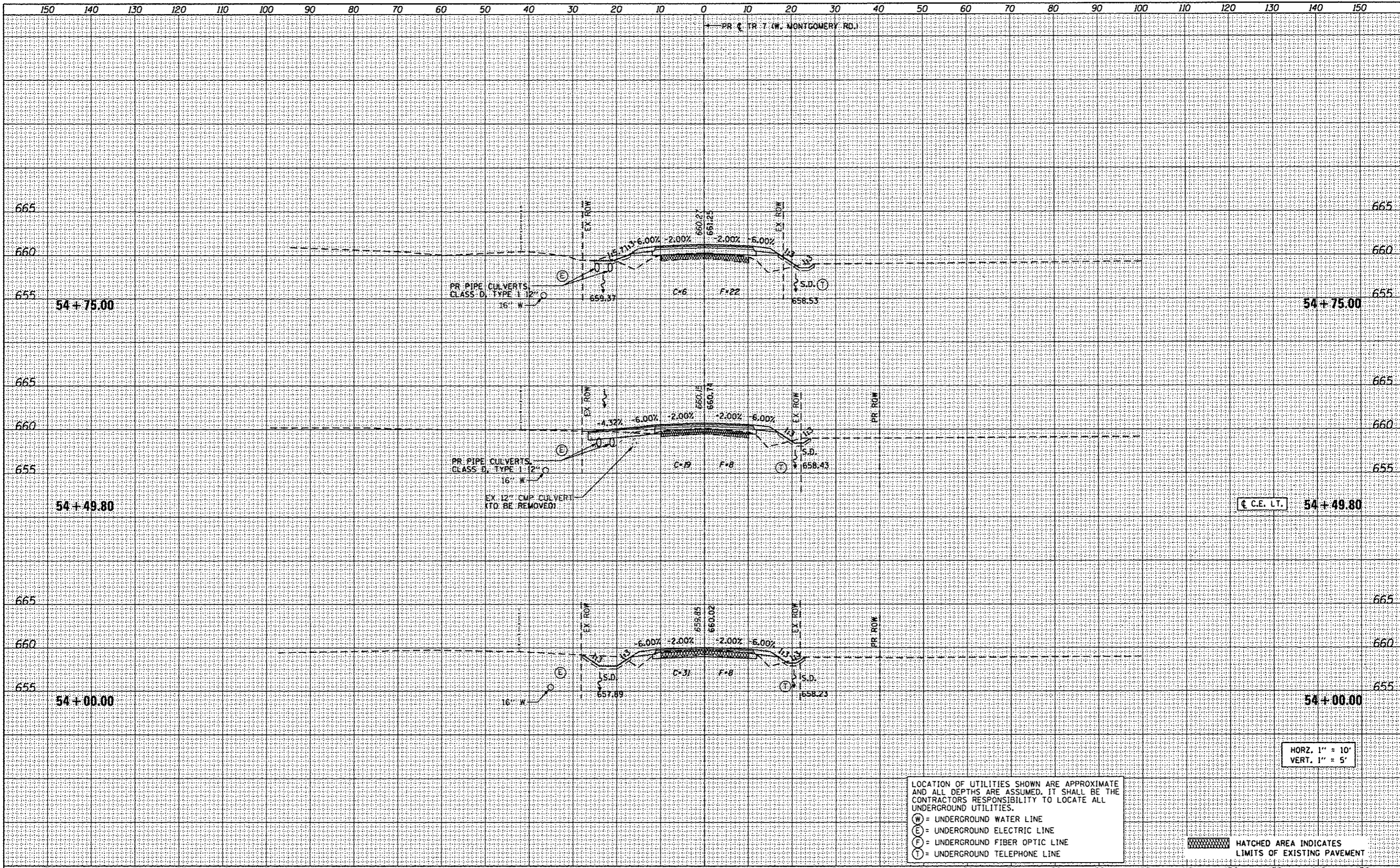
LOCATION OF UTILITIES SHOWN ARE APPROXIMATE AND ALL DEPTHS ARE ASSUMED. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO LOCATE ALL UNDERGROUND UTILITIES.

(W) = UNDERGROUND WATER LINE  
 (E) = UNDERGROUND ELECTRIC LINE  
 (F) = UNDERGROUND FIBER OPTIC LINE  
 (T) = UNDERGROUND TELEPHONE LINE

HATCHED AREA INDICATES LIMITS OF EXISTING PAVEMENT

FILE NAME = 0693647-sh1-xasht.dgn	USER NAME = Randal.Zilz	DESIGNED - REZ	REVISED -	F.A. RTE. SECTION COUNTY TOTAL SHEETS SHEET NO. *TR 7 15-HSRT2-00-RR SANGAMON 30 21 *W. MONTGOMERY RD. CONTRACT NO. 93467 ILLINOIS FED. AID PROJECT
	PLOT SCALE = 20.0000' / in.	DRAWN - SRS	REVISED -	
	PLOT DATE = 1/8/2016	CHECKED - ACW	REVISED -	
		DATE - 01-08-2016	REVISED -	

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 (F) = UNDERGROUND FIBER OPTIC LINE  
 (T) = UNDERGROUND TELEPHONE LINE

HATCHED AREA INDICATES LIMITS OF EXISTING PAVEMENT

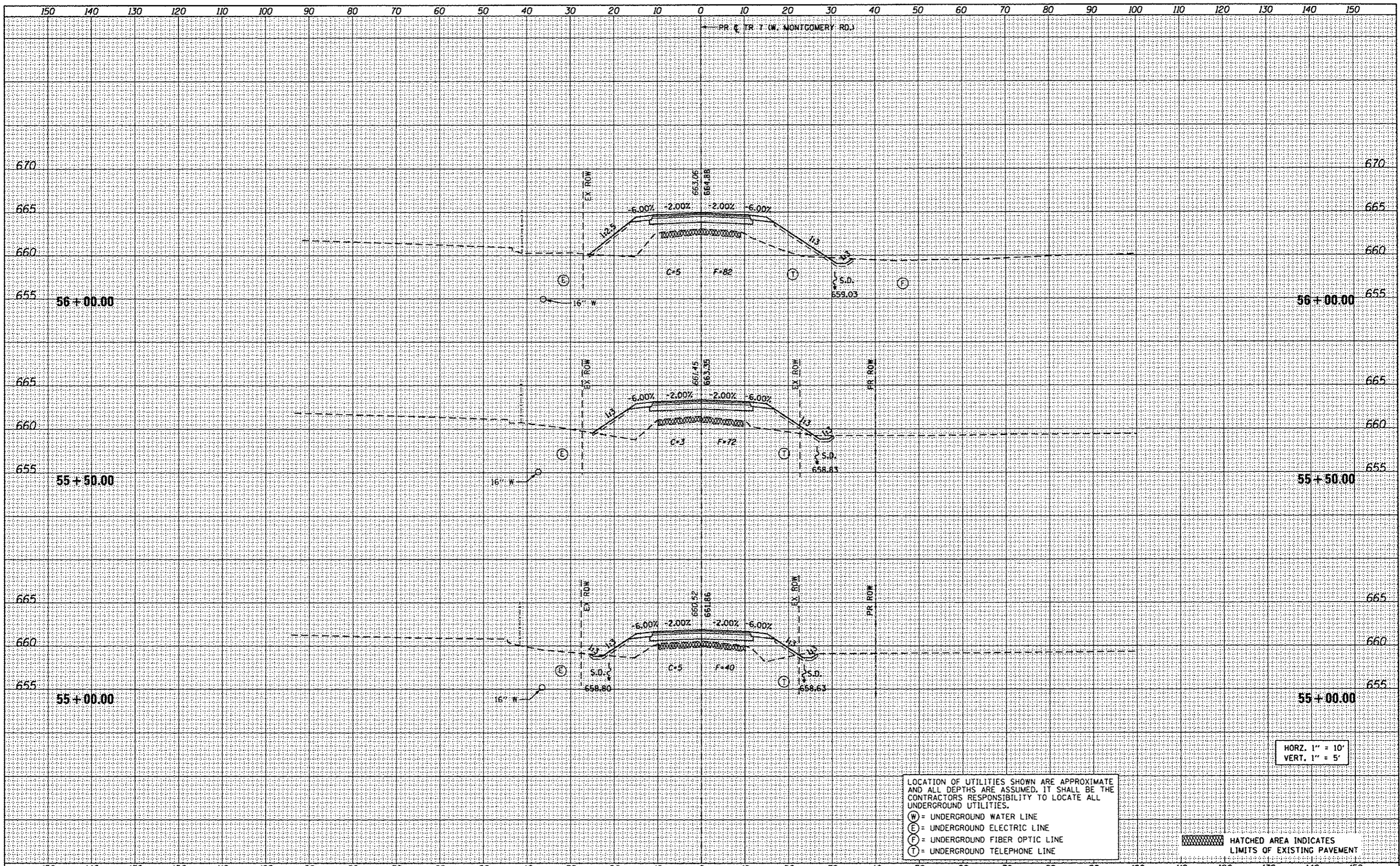
HORZ. 1" = 10'  
VERT. 1" = 5'

FILE NAME = 0693647-sht-wash1.dgn	USER NAME = Rendel.Zilz	DESIGNED - REZ	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>CROSS SECTIONS</b> <b>TR 7 (W MONTGOMERY ROAD)</b>			F.A. RTE. = TR 7	SECTION = 15-HSRT2-00-RR	COUNTY = SANGAMON	TOTAL SHEETS = 30	SHEET NO. = 22
	PLOT SCALE = 20,0000' / in.	DRAWN - SRS	REVISED -		SCALE: AS SHOWN	SHEET 3 OF 11 SHEETS	STA. 54+00.00 TO STA. 54+75.00	*W. MONTGOMERY RD.		CONTRACT NO. 93467		
	PLOT DATE = 1/6/2016	CHECKED - ACW	REVISED -		ILLINOIS FED. AID PROJECT							
		DATE - 01-08-2016	REVISED -									

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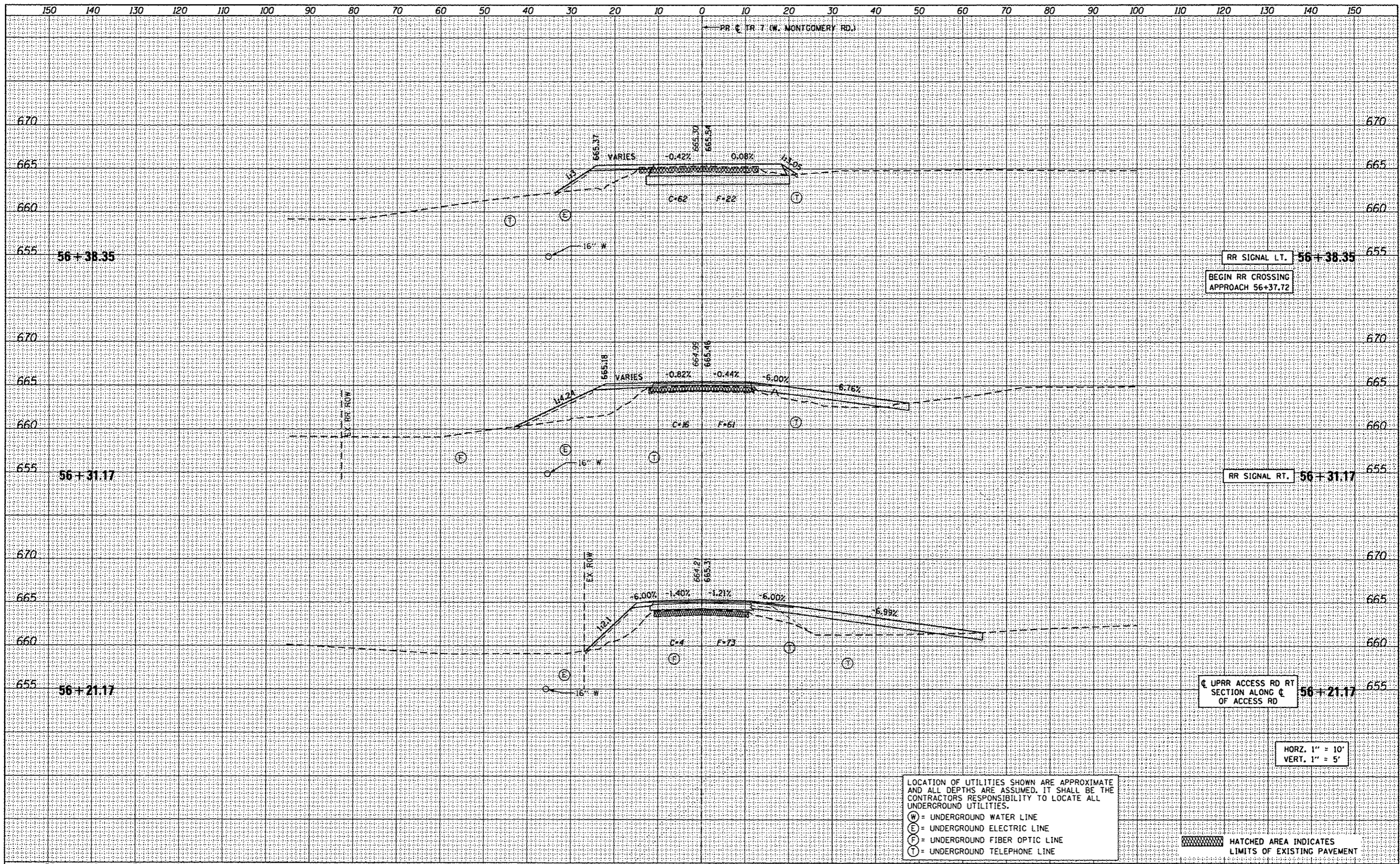
HORZ. 1" = 10'  
VERT. 1" = 5'

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F = UNDERGROUND FIBER OPTIC LINE  
T = UNDERGROUND TELEPHONE LINE

HATCHED AREA INDICATES LIMITS OF EXISTING PAVEMENT

FILE NAME = 0693647-shr-ssht.dgn	USER NAME = Randal.Zilk	DESIGNED - REZ	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS TR 7 (W MONTGOMERY ROAD)	F.A. RTE. = TR 7	SECTION = 15-HSRT2-00-RR	COUNTY = SANGAMON	TOTAL SHEETS = 30	SHEET NO. = 23
PLOT SCALE = 20.0000 1/ in.	CHECKED - ACW	REVISED -	SCALE: AS SHOWN			SHEET 4 OF 11 SHEETS	STA. 55+00.00 TO STA. 56+00.00	CONTRACT NO. 93467	ILLINOIS FED. AID PROJECT	
PLOT DATE = 1/8/2016	DATE = 01-08-2016	REVISED -								



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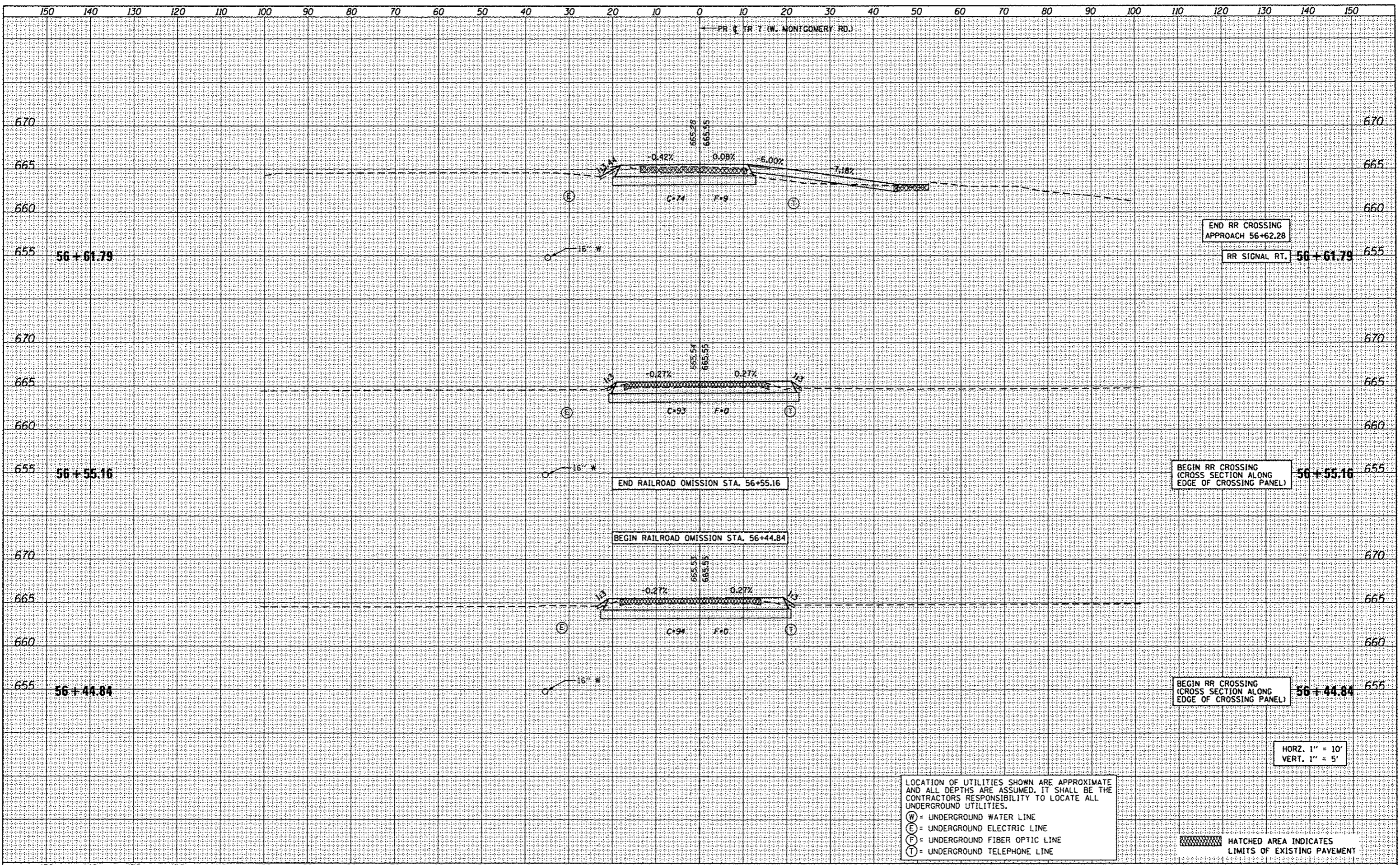
HATCHED AREA INDICATES LIMITS OF EXISTING PAVEMENT

HORZ. 1" = 10'  
VERT. 1" = 5'



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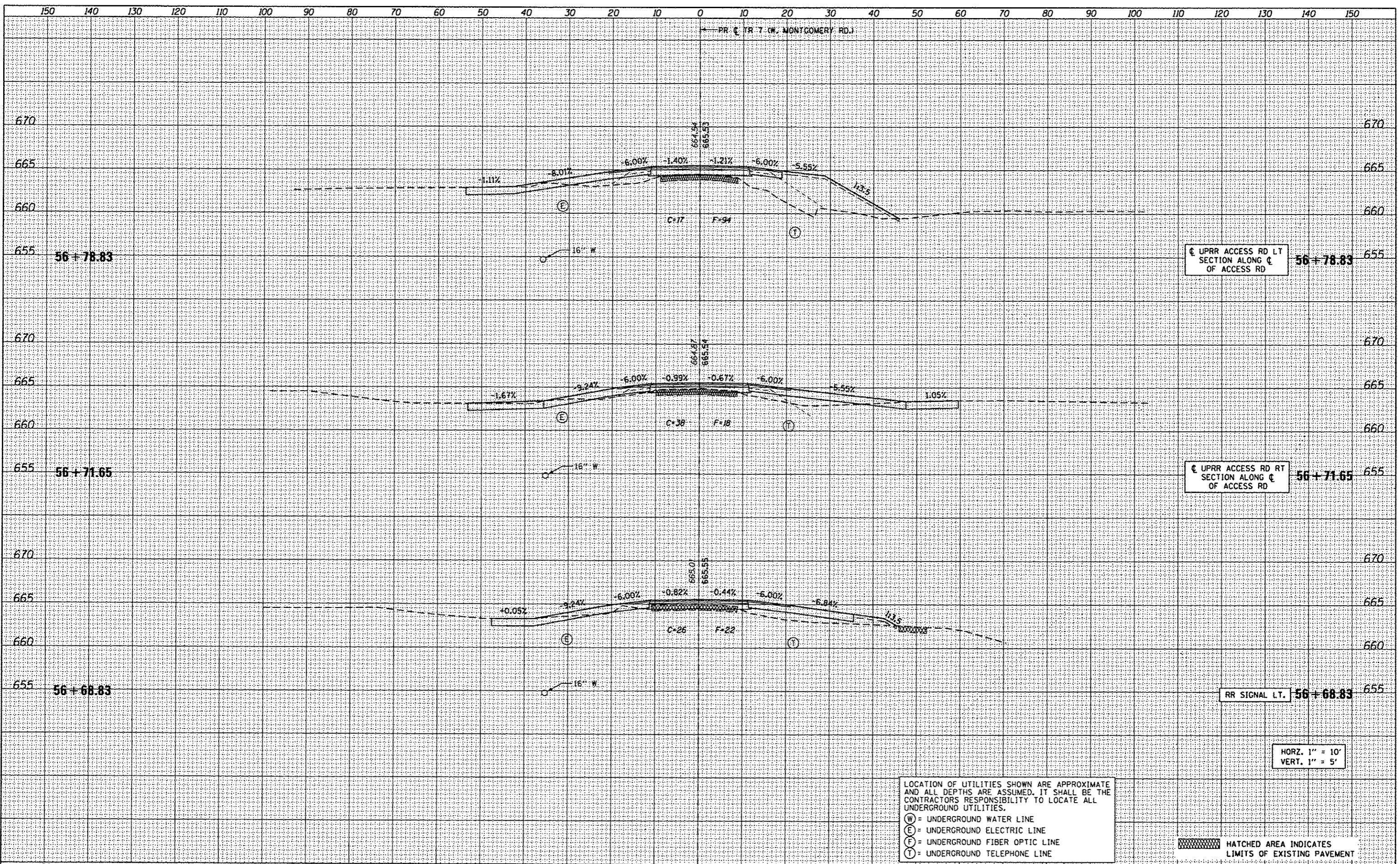
HORIZ. 1" = 10'  
 VERT. 1" = 5'

FILE NAME = 0693647-shr-wash.dgn	USER NAME = Randal.Ziz	DESIGNED - REZ	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>CROSS SECTIONS TR 7 (W MONTGOMERY ROAD)</b>				F.A. RTE. TR 7	SECTION 15-HSRT2-00-RR	COUNTY SANGAMON	TOTAL SHEETS 30	SHEET NO. 25
	PLOT SCALE = 20,0000' / in.	DRAWN - SRS	REVISED -		SCALE: AS SHOWN	SHEET 6 OF 11 SHEETS	STA. 56+44.84	TO STA. 56+61.79	*W. MONTGOMERY RD.		CONTRACT NO. 93467		
	PLOT DATE = 1/8/2016	CHECKED - ACW	REVISED -										
		DATE - 01-08-2016	REVISED -										

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HORZ. 1" = 10'  
 VERT. 1" = 5'

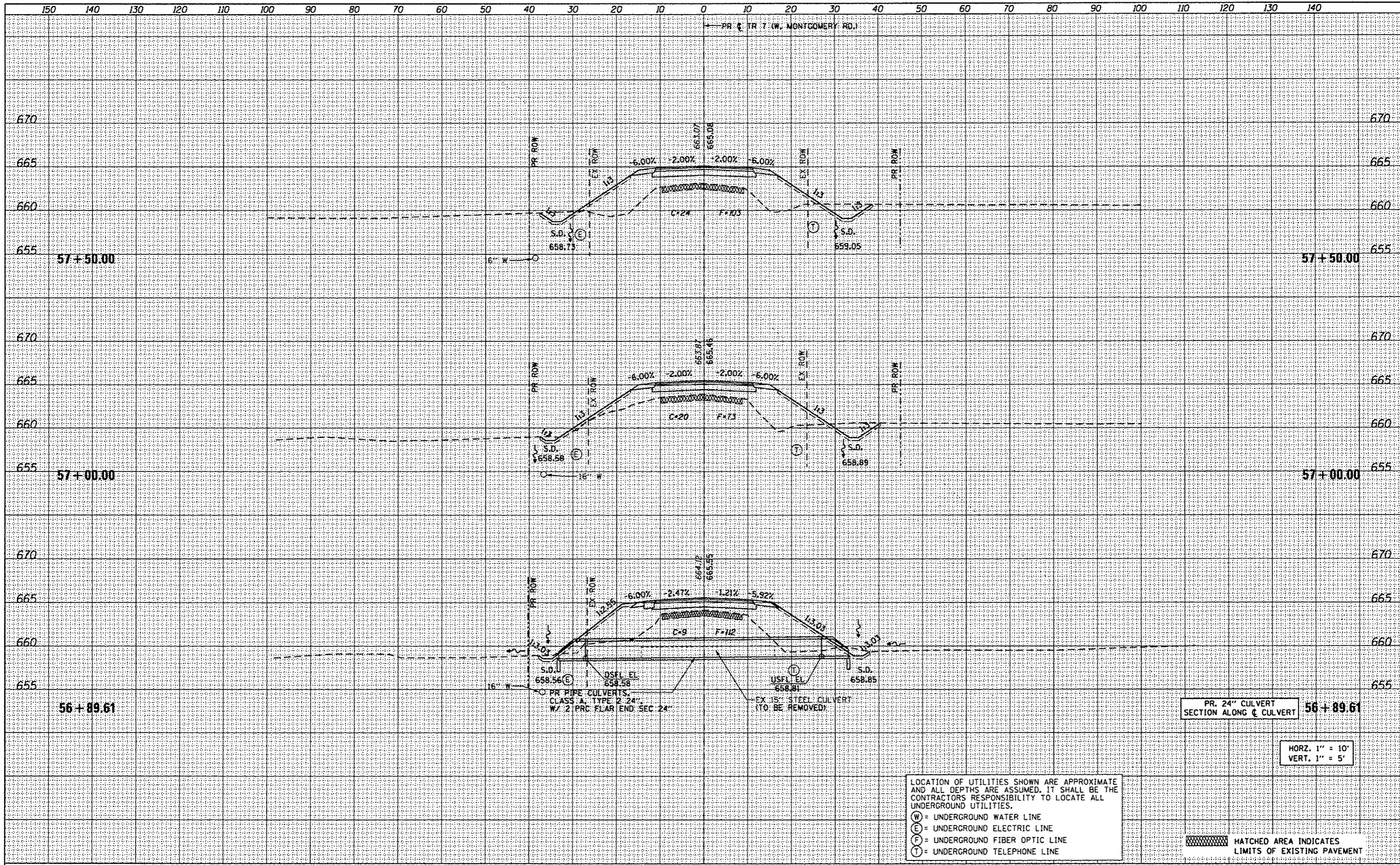
FILE NAME = 0693647-shc=ssht.dgn	USER NAME = Randel.Zilz	DESIGNED - REZ	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>CROSS SECTIONS TR 7 (W MONTGOMERY ROAD)</b>				F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 20,000' / 1"	DRAWN - SRS	REVISED -		SCALE: AS SHOWN	SHEET 7 OF 11 SHEETS	STA. 56+68.69 TO STA. 56+78.83	TR 7	15-HSRT2-00-RR	SANGAMON	30	26	
	PLOT DATE = 1/8/2016	CHECKED - ACW	REVISED -					W. MONTGOMERY RD.					
		DATE - 01-08-2016	REVISED -										CONTRACT NO. 93467

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ILLINOIS FED. AID PROJECT

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FILE NAME = 0693647-ahc-xash.dgn	USER NAME = Randal.Ziz	DESIGNED - REZ	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>CROSS SECTIONS</b> <b>TR 7 (W MONTGOMERY ROAD)</b>			F.A. RTE. TR 7	SECTION 15-HSRT2-00-RR	COUNTY SANGAMON	TOTAL SHEETS 30	SHEET NO. 27
	PLOT SCALE = 20.0000' / in.	DRAWN - SRS	REVISED -		SCALE: AS SHOWN	SHEET 8 OF 11 SHEETS	STA. 56+89.61 TO STA. 57+50.00	*W. MONTGOMERY RD.		CONTRACT NO. 93467	ILLINOIS FED. AID PROJECT	
	PLOT DATE = 1/9/2016	CHECKED - ACW	REVISED -									
		DATE - 01-08-2016	REVISED -									

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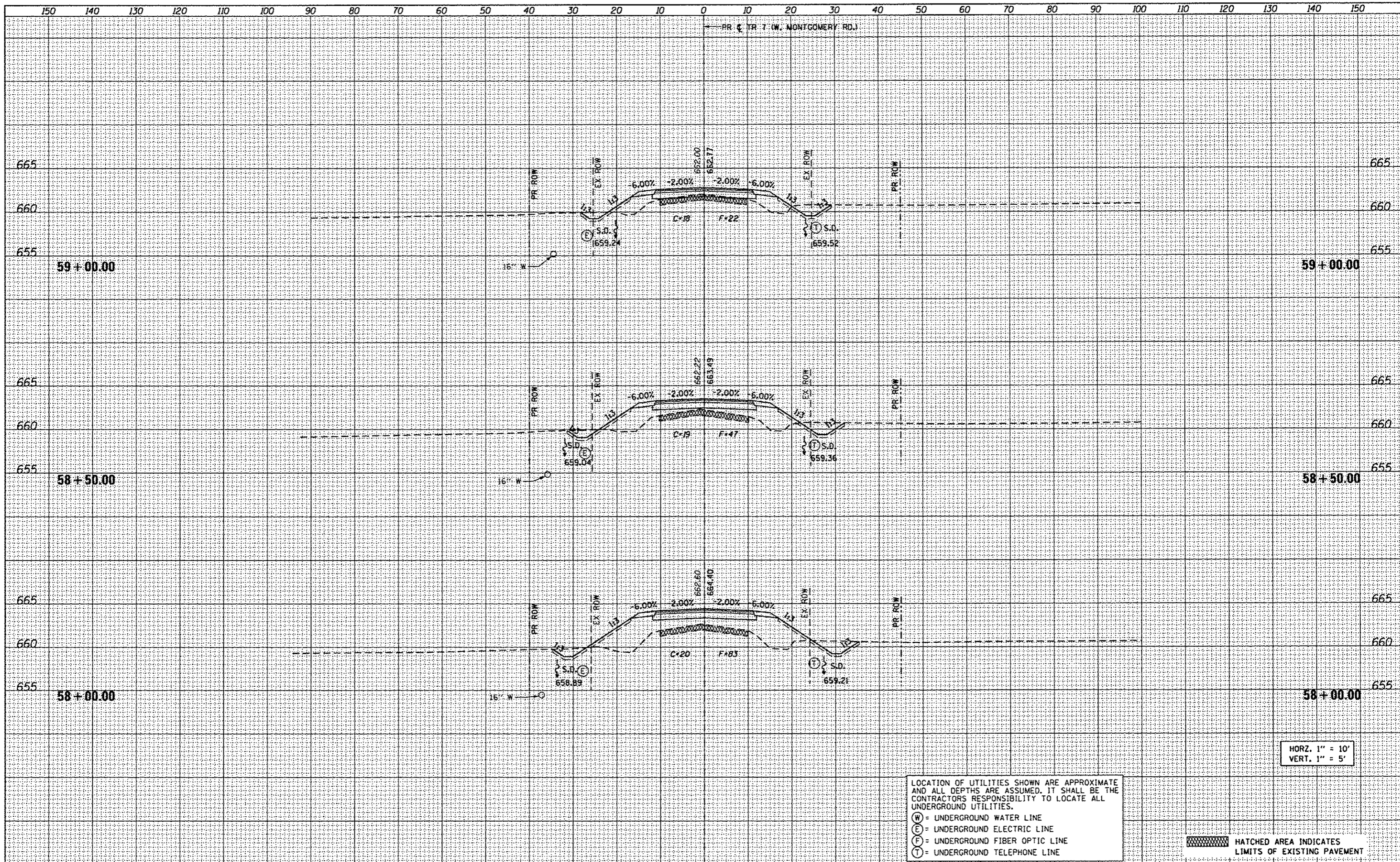
PR. 24" CULVERT SECTION ALONG C CULVERT 56+89.61

HORZ. 1" = 10'  
VERT. 1" = 5'

HATCHED AREA INDICATES LIMITS OF EXISTING PAVEMENT

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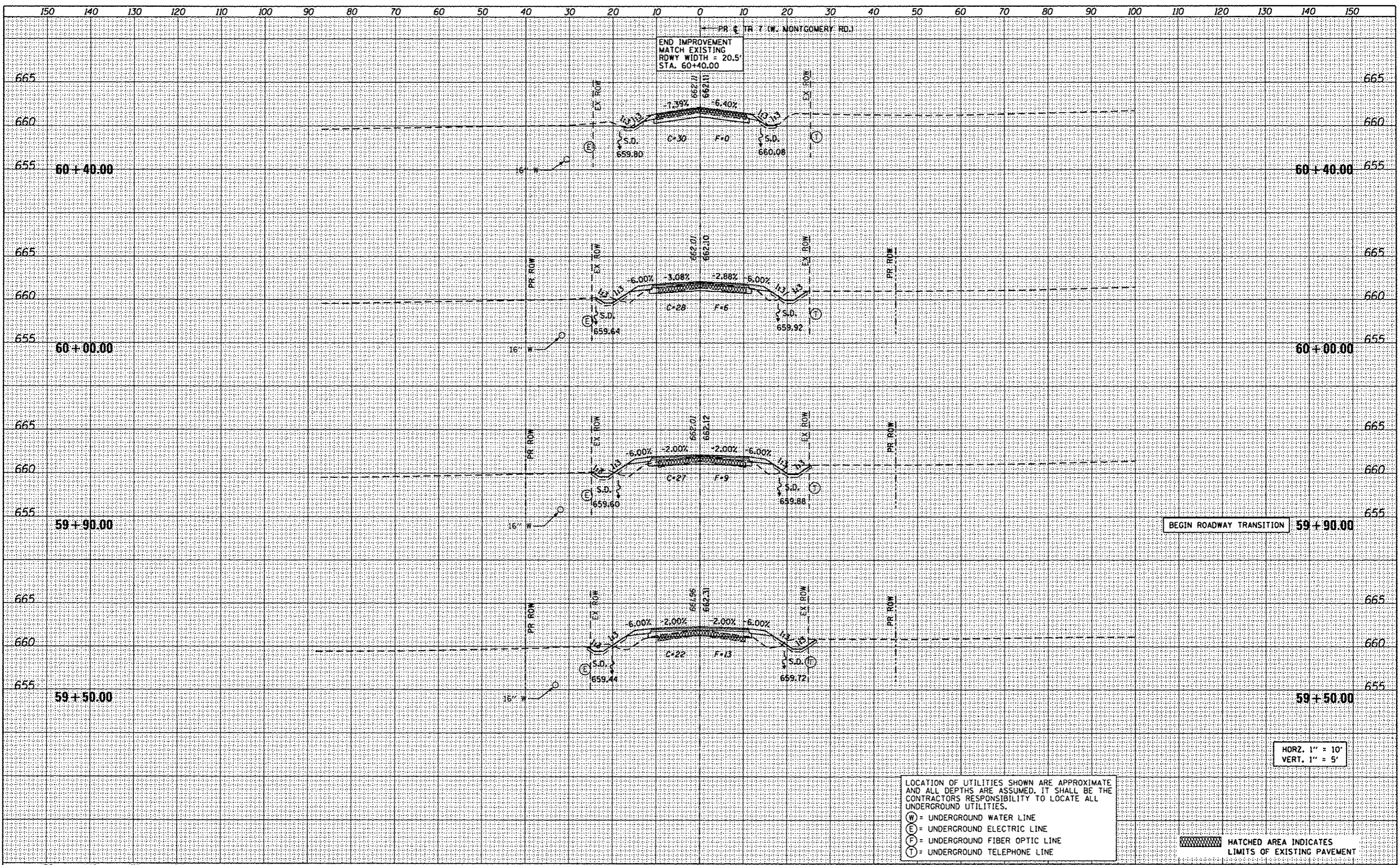
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HATCHED AREA INDICATES LIMITS OF EXISTING PAVEMENT

FILE NAME =	USER NAME = Randal.Ziz	DESIGNED - REZ	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>CROSS SECTIONS</b> <b>TR 7 (W MONTGOMERY ROAD)</b>		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
D693647-ah1-wah1.dgn		DRAWN - SRS	REVISED -		AS SHOWN	SHEET 9 OF 11 SHEETS	STA. 58+00.00 TO STA. 59+00.00	TR 7	15-HSRT2-00-RR	SANGAMON	30	28
		CHECKED - ACW	REVISED -					*W. MONTGOMERY RD.				CONTRACT NO. 93467
		DATE - 01-08-2016	REVISED -									[ILLINOIS] FED. AID PROJECT

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BEGIN ROADWAY TRANSITION 59+90.00

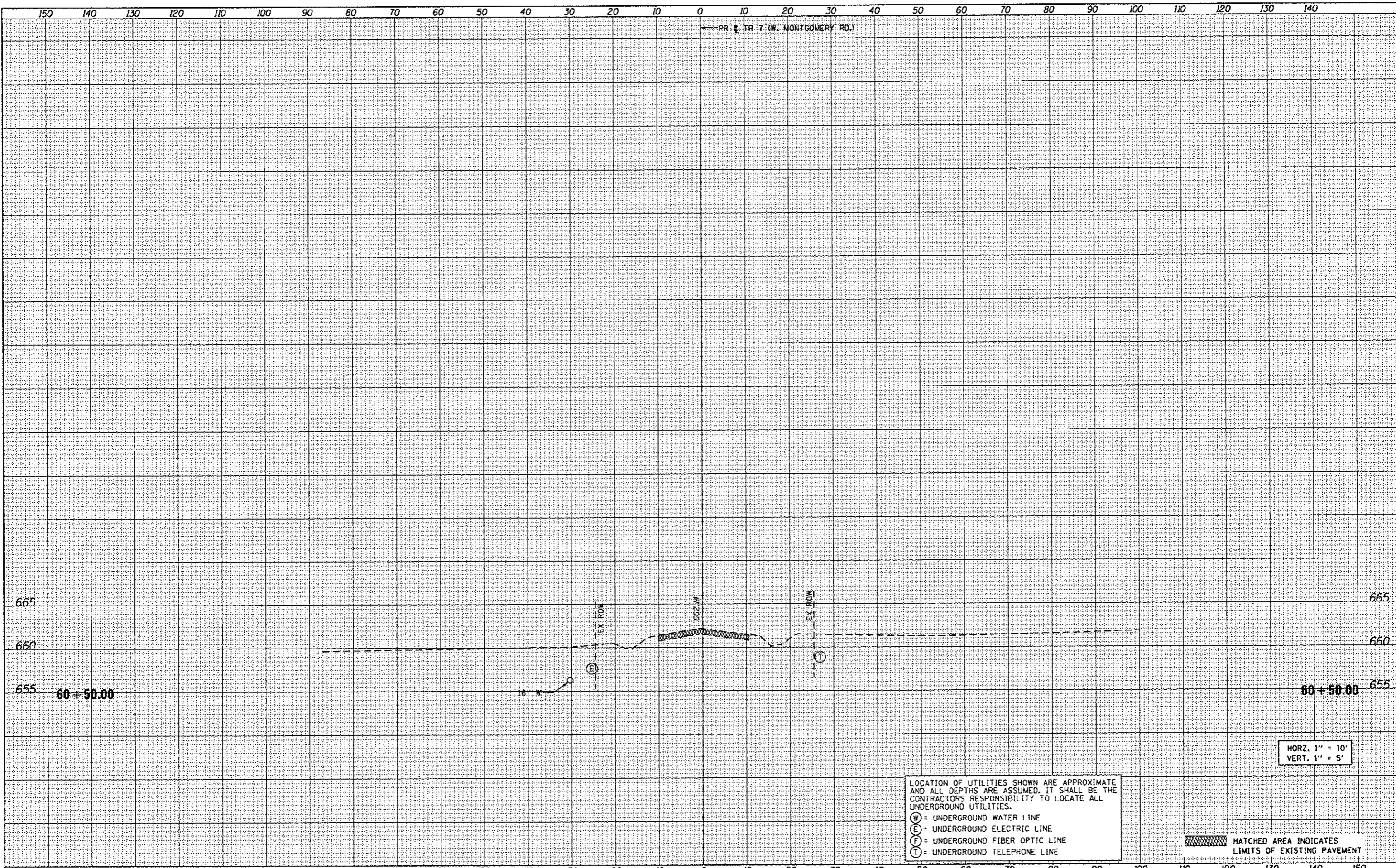
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HATCHED AREA INDICATES LIMITS OF EXISTING PAVEMENT

FILE NAME = 0693647-ahc-xash.tdgn	USER NAME = Randal.Ziz	DESIGNED - REZ	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>CROSS SECTIONS TR 7 (W MONTGOMERY ROAD)</b>		F.A. RTE. = TR 7	SECTION = 15-HSRT2-00-RR	COUNTY = SANGAMON	TOTAL SHEETS = 30	SHEET NO. = 29	
	PLOT SCALE = 20.0000' / in.	CHECKED - ACW	REVISED -		SCALE: AS SHOWN	SHEET 10 OF 11 SHEETS	STA. 59+50.00 TO STA. 60+40.00	*W. MONTGOMERY RD.		CONTRACT NO. 93467		
	PLOT DATE = 1/8/2016	DATE = 01-08-2016	REVISED -		ILLINOIS FED. AID PROJECT							
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HORZ. 1" = 10'  
VERT. 1" = 5'

FILE NAME = 0893647-ahh-ssht.dgn	USER NAME = Randal.Zilix	DESIGNED - REZ	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>CROSS SECTIONS TR 7 (W MONTGOMERY ROAD)</b>		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - SRS	REVISED -		TR 7	15-HSRT2-00-RR	SANGAMON	30	30		
		CHECKED - ACW	REVISED -		SCALE: AS SHOWN SHEET 11 OF 11 SHEETS STA. 60+50.00 TO STA. 60+50.00		*W. MONTGOMERY RD.		CONTRACT NO. 93467		
		DATE - 01-08-2016	REVISED -				ILLINOIS FED. AID PROJECT				