

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
316	(114)CR	BUREAU	40	1
		ILLINOIS	CONTRACT NO. 66K35	

INDEX OF SHEETS

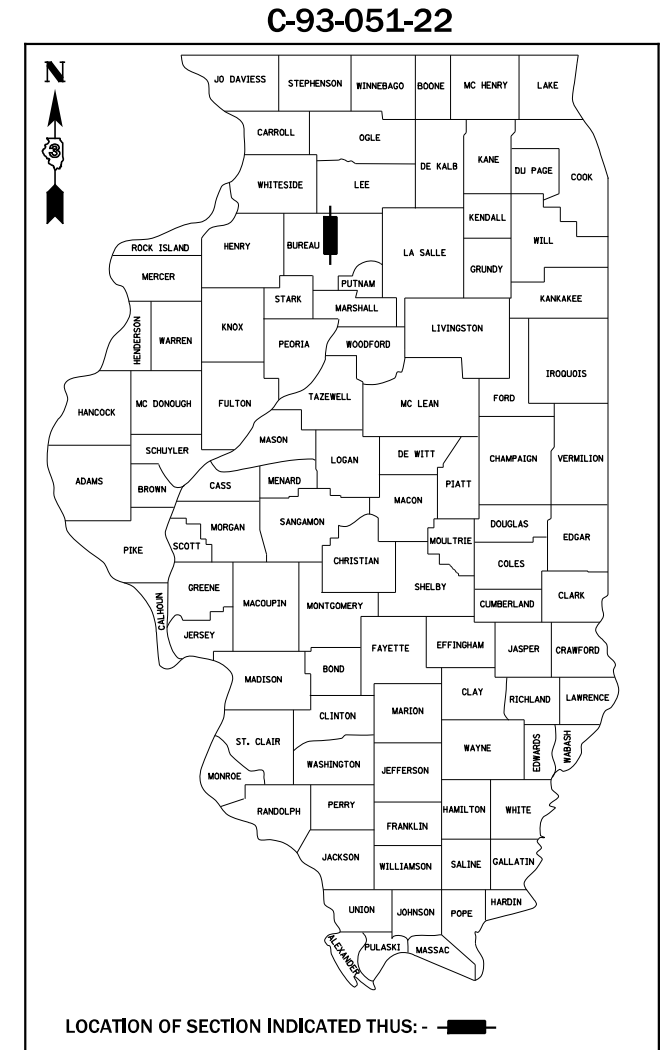
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**PROPOSED
HIGHWAY PLANS**

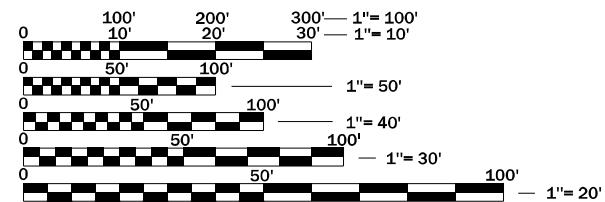
FAP ROUTE 316 (IL RTE 26)

SECTION (114)CR
PROJECT NO. NHPP-KT28 (758)
CULVERT REPLACEMENT
BUREAU COUNTY

C-93-051-22



FUNCTIONAL CLASSIFICATION
PRINCIPAL ARTERIAL
2019 ADT = 2250
P.U. = 88% S.U. = 7% M.U. = 5%
DESIGN SPEED = 55 MPH



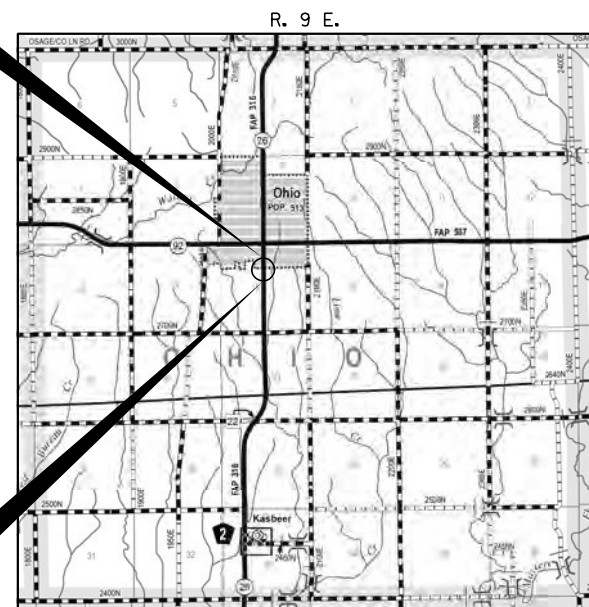
FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

PROJECT ENGINEER: JACOB OYIER, P.E.
UNIT CHIEF: STEPHANIE CARMIN
DISTRICT 3 NO. (815) 434-6131
CONTRACT NO. 66K35

BEGIN IMPROVEMENT
STA 1059 + 00.00

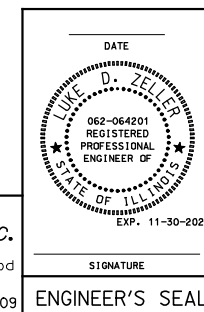
END IMPROVEMENT
STA 1064 + 53.08



OHIO TOWNSHIP
LOCATION MAP
NOT TO SCALE

GROSS LENGTH = 553.08 FT. = 0.105 MILE
NET LENGTH = 553.08 FT. = 0.105 MILE

Hutchison Engineering, Inc.
Jacksonville - Moline - Peoria - Shorewood
Since 1945
2021 JOB #4684.09



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED February 07, 2022

David Alwood
REGIONAL ENGINEER

March 25, 2022
Stephen M. Zeller
ENGINEER OF DESIGN AND ENVIRONMENT

March 25, 2022
Stephen M. Zeller
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

**PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS**

GENERAL NOTES

THE THICKNESS OF HMA SHOWN ON THE PLANS IS THE NOMINAL THICKNESS. DEVIATIONS FROM THE NOMINAL THICKNESS WILL BE PERMITTED WHEN SUCH DEVIATIONS OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE OR BASE ON WHICH THE HMA IS PLACED.

EXCEPT AS NOTED ON THE PLANS, PAVEMENT GRADES SHOWN ARE AT THE TOP OF PAVEMENT SURFACES.

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

THE ENGINEER WILL BE THE SOLE JUDGE CONCERNING CURING TIME FOR THE VARIOUS HMA LIFTS.

FOR STABILIZATION, ALL TYPE III BARRICADES SHALL REQUIRE A MINIMUM OF FOUR SAND BAGS PER BARRICADE.

SEEDING SHALL NOT BE PERMITTED AT ANY TIME WHEN THE GROUND IS FROZEN, WET, OR IN AN UNTILLABLE CONDITION. LOCATIONS TO BE SEEDED WILL BE DETERMINED BY THE ENGINEER.

ONLY THOSE TREES DESIGNATED BY THE ENGINEER OR LISTED IN THE TREE REMOVAL SCHEDULE SHALL BE REMOVED. THE CONTRACTOR SHALL PROTECT ALL REMAINING TREES FROM DAMAGE DUE TO THEIR OPERATIONS. NO TREES WILL BE REMOVED FROM APRIL 1ST TO SEPTEMBER 30TH DUE TO FEDERALLY PROTECTED BAT SPECIES HABITAT.

ALL ELEVATIONS REFER TO U.S.G.S. MEAN SEA LEVEL DATUM.

ANY REFERENCE TO A STANDARD IN THESE PLANS SHALL BE INTERPRETED TO MEAN THE EDITION AS INDICATED BY THE SUBNUMBER SHOWN IN THE LIST OF STANDARDS OR THE COPY INCLUDED IN THESE PLANS.

THE REMOVAL AND DISPOSAL OF ALL FENCING, DELINEATORS, DEBRIS, BRUSH, RIPRAP, STONE CONCRETE SLABS, TILE, ETC. NOT PAID SPECIFICALLY ON THE PLANS WILL BE INCLUDED IN THE COST OF EARTH EXCAVATION.

MEMBERS OF J.U.L.I.E. KNOWN TO BE WITHIN THE LIMITS OF THE IMPROVEMENT ARE:

- 1. VILLAGE OF OHIO
- 2. AT&T
- 3. FRONTIER
- 4. COMED
- 5. HEARTLAND CABLE

NON-MEMBERS OF J.U.L.I.E. KNOWN TO BE WITHIN THE LIMITS ARE:

- 1. ILLINOIS DEPARTMENT OF TRANSPORTATION

THE CONTRACTOR SHALL CONTACT J.U.L.I.E. AT LEAST 48 HOURS PRIOR TO EXCAVATION TO DETERMINE WHICH UTILITIES ARE IN THE AREA.

THE FINISHED EARTHWORK SHALL HAVE A VEGETATION SUSTAINING SOIL COVERING THE TOP FOUR INCHES (100 MM) IN AREAS TO BE SEEDED OR SODDED. THE VEGETATION SUSTAINING SOIL REQUIRED WILL NOT BE PAID FOR SEPARATELY BUT WILL BE INCLUDED IN THE COST OF FURNISHED EXCAVATION.

ABANDONED UTILITIES THAT CONFLICT WITH THE CONSTRUCTION SHALL BE DISPOSED OF OUTSIDE THE LIMITS OF THE RIGHT OF WAY ACCORDING TO ARTICLE 202.03 OF THE STANDARD SPECIFICATIONS AND AS DIRECTED BY THE ENGINEERS. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT WILL BE INCLUDED IN THE COST OF EARTH EXCAVATION.

ALL DAMAGE TO THE DEPARTMENT OWNED UNDERGROUND FACILITIES, CAUSED BY THE CONTRACTOR SHALL BE REPAIRED TO THE SATISFACTION OF THE DEPARTMENT AT THE CONTRACTOR'S EXPENSE. THIS SHALL INCLUDE ALL TEMPORARY REPAIRS REQUIRED TO KEEP THE FACILITY OPERATIONAL WHILE MATERUAL IS BEING OBTAINED TO MAKE PERMANENT REPAIRS.

BEFORE BEGINING ANY WORK, THE CONTRACTOR SHALL RETAIN AND RECORD FOR FUTURE REFERENCE, ALL EXISTING PAVEMENT MARKING LINES AND RAISED REFLECTIVE PAVEMENT MARKERS THAT CONFLICT WITH THE PROPOSED STRIPING AT THE COMPLETION OF THIS CONTRACT. EXACT LOCATIONS OF ALL PROPOSED PAVEMENT MARKINGS SHALL BE DIRECTED BY THE RESIDENT ENGINEER.

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

GRANULAR MATERIALS-----	2.05 TONS/CU YD	
BITUMINOUS MATERIALS PRIME COAT-----	0.05 LBS/SQ FT OR	
	0.025 LBS/SQ FT	
PRIME COAT FOR AGGREGATE BASES-----	0.25 TONS/SQ YD	
HOT-MIX ASPHALT SURFACE COURSE-----	112 LBS/SQ YD/INCH	
HOT-MIX ASPHALT BINDER COURSE-----	115 LBS/SQ YD/INCH	
LEVELING BINDER (MACHINE METHOD)-----	112 LBS/SQ YD/INCH	
NITROGEN FERTILIZER NUTRIENT-----	60 LBS/ACRE (SODDING)	90 LBS/ACRE (SEEDING)
PHOSPHORUS FERTILIZER NUTRIENT-----	60 LBS/ACRE (SODDING)	90 LBS/ACRE (SEEDING)
POTASSIUM FERTILIZER NUTRIENT-----	60 LBS/ACRE (SODDING)	90 LBS/ACRE (SEEDING)

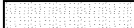

COMMITMENTS

NONE.

HIGHWAY STANDARDS

000001-08	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001006	DECIMAL OF AN INCH AND OF A FOOT
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
542206-04	REINFORCED CONCRETE END SECTIONS FOR PIPE CULVERTS 42" THRU 60" DIA. SKEWED WITH ROADWAY
542401-04	METAL END SECTION FOR PIPE CULVERTS
630001-12	STEEL PLATE BEAM GUARDRAIL
630201-07	PCC/HMA STABILIZATION AT STEEL PLATE BEAM GUARDRAIL
630301-09	SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS
666001-01	RIGHT OF WAY MARKERS
701001-02	OFF-RD OPERATIONS, 2L, 2W, MORE THAN 15' AWAY
701006-05	OFF-RD OPERATIONS, 2L, 2W, 15' TO 24" FROM PAVEMENT EDGE
701011-04	OFF-RD MOVING OPERATIONS, 2L, 2W, DAY ONLY
701201-05	LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS > 45 MPH
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701306-04	LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY, FOR SPEEDS > 45 MPH
701311-03	LANE CLOSURE, 2L, 2W, MOVING OPERATIONS - DAY ONLY
701321-18	LANE CLOSURE, 2L, 2W, BRIDGE REPAIR WITH BARRIER
701326-04	LANE CLOSURE, 2L, 2W, PAVEMENT WIDENING, FOR SPEEDS > 45 MPH
701901-08	TRAFFIC CONTROL DEVICES
704001-08	TEMPORARY CONCRETE BARRIER
720001-01	SIGN PANEL MOUNTING DETAILS
720006-04	SIGN PANEL ERECTION DETAILS
720011-01	METAL POSTS FOR SIGNS, MARKERS & DELINEATORS
725001-01	OBJECT AND TERMINAL MARKERS
728001-01	TELESCOPING STEEL SIGN SUPPORT
780001-05	TYPICAL PAVEMENT MARKINGS
781001-04	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS
782006-01	GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS

LEGEND

	HOT-MIX ASPHALT BUTT JOINT
	PROPOSED DITCH FLOW
TBR	TO BE REMOVED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DISTRICT THREE
AS BUILT INFORMATION

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DISTRICT THREE

SUPERVISING CONSTRUCTION FIELD ENGINEER

PREPARED BY: _____
DISTRICT STUDIES & PLANS ENGINEER

RESIDENT ENGINEER / TECHNICIAN

DATE: _____

START & END DATES
OF CONSTRUCTION:

EXAMINED BY: _____
DISTRICT CONSTRUCTION ENGINEER

INSPECTORS: _____

DISTRICT MATERIALS ENGINEER

DISTRICT OPERATIONS ENGINEER

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FAP ROUTE 316 (IL RTE 26)
HIGHWAY STANDARDS, GENERAL NOTES & LEGEND

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
316	(114)CR	BUREAU	40	2
CONTRACT NO. 66K35				
ILLINOIS FED. AID PROJECT				

SCALE: N/A SHEET 1 OF 1 SHEETS STA. N/A TO STA. N/A

MODEL: SHORLNAME\$
FILE NAME: SHELS

Hutchison Engineering, Inc.
Jacksonville - Moline - Peoria - Shorewood
Since 1945

USER NAME = default	DESIGNED - LDZ	REVISED -
	DRAWN - RMD	REVISED -
PLOT SCALE = \$SCALE\$	CHECKED - WLP	REVISED -
PLOT DATE = 1/11/2022	DATE - 11/5/2021	REVISED -

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE
				80% FED 20% STATE
				ROADWAY
				0004 RURAL
20200100	EARTH EXCAVATION	CU YD	165	165
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	44	44
20400800	FURNISHED EXCAVATION	CU YD	208	208
20700220	POROUS GRANULAR EMBANKMENT	CU YD	44	44
20800150	TRENCH BACKFILL	CU YD	92	92
25000210	SEEDING, CLASS 2A	ACRE	0.50	0.50
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	40	40
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	40	40
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	40	40
25100630	EROSION CONTROL BLANKET	SQ YD	1695	1695
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	50	50
28000305	TEMPORARY DITCH CHECKS	FOOT	50	50
28000400	PERIMETER EROSION BARRIER	FOOT	1071	1071
28000500	INLET AND PIPE PROTECTION	EACH	1	1

MODEL: 1400BLENAMES
FILE NAME: 31615

Hutchison Engineering, Inc.
Jacksonville - Moline - Peoria - Shorewood
Since 1945

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	DRAWN - RMD	REVISED -
PLOT SCALE = \$SCALE\$	CHECKED - WLP	REVISED -
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**FAP ROUTE 316 (IL RTE 26)
SUMMARY OF QUANTITIES**

SCALE: N/A SHEET 1 OF 5 SHEETS STA. N/A TO STA. N/A

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
316	(114)CR	BUREAU	40	3
CONTRACT NO. 66K35			ILLINOIS FED. AID PROJECT	

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE
				80% FED 20% STATE
				ROADWAY
				0004 RURAL
28100107	STONE RIPRAP, CLASS A4	SQ YD	24	24
28200200	FILTER FABRIC	SQ YD	24	24
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	1079	1079
40600370	LONGITUDINAL JOINT SEALANT	FOOT	553	553
40604052	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "C", N70	TON	184	184
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	11	11
44000156	HOT-MIX ASPHALT SURFACE REMOVAL, 1 3/4"	SQ YD	1821	1821
44201809	CLASS D PATCHES, TYPE IV, 13 INCH	SQ YD	52	52
48101200	AGGREGATE SHOULDERS, TYPE B	TON	23	23
48203021	HOT-MIX ASPHALT SHOULDERS, 6"	SQ YD	393	393
50105220	PIPE CULVERT REMOVAL	FOOT	49	49
50800105	REINFORCEMENT BARS	POUND	2008	2008
52200020	TEMPORARY SOIL RETENTION SYSTEM	SQ FT	538	538
54003000	CONCRETE BOX CULVERTS	CU YD	10	10
542A1105	PIPE CULVERTS, CLASS A, TYPE 2 60"	FOOT	78	78
542D0223	PIPE CULVERTS, CLASS D, TYPE 1 18"	FOOT	54	54

MODEL: 1400RELENAME
FILE NAME: 3115

Hutchison Engineering, Inc.
Jacksonville - Moline - Peoria - Shorewood
Since 1945

USER NAME = default	DESIGNED - LDZ	REVISED -
	DRAWN - RMD	REVISED -
PLOT SCALE = \$SCALE\$	CHECKED - WLP	REVISED -
PLOT DATE = 1/11/2022	DATE - 11/5/2021	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**FAP ROUTE 316 (IL RTE 26)
SUMMARY OF QUANTITIES**

SCALE: N/A SHEET 2 OF 5 SHEETS STA. N/A TO STA. N/A

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
316	(114)CR	BUREAU	40	4
CONTRACT NO. 66K35			ILLINOIS FED. AID PROJECT	

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE	
				80% FED 20% STATE	
				ROADWAY	
				0004	
				RURAL	
54215460	CAST-IN-PLACE REINFORCED CONCRETE END SECTIONS 60"	EACH	1	1	
54262718	METAL FLARED END SECTIONS 18"	EACH	2	2	
* 63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	337.5	337.5	
* 63100045	TRAFFIC BARRIER TERMINAL, TYPE 2	EACH	1	1	
* 63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	3	3	
63200310	GUARDRAIL REMOVAL	FOOT	648	648	
67100100	MOBILIZATION	L SUM	1	1	
70100405	TRAFFIC CONTROL AND PROTECTION, STANDARD 701321	EACH	1	1	
70106500	TEMPORARY BRIDGE TRAFFIC SIGNALS	EACH	1	1	
70300100	SHORT TERM PAVEMENT MARKING	FOOT	1960	1960	
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	330	330	
70300221	TEMPORARY PAVEMENT MARKING - LINE 4" - PAINT	FOOT	2237	2237	
70300281	TEMPORARY PAVEMENT MARKING - LINE 24" - PAINT	FOOT	60	60	
70400100	TEMPORARY CONCRETE BARRIER	FOOT	237.5	237.5	

*= SPECIALTY ITEM

MODEL: 1400RELENAME
FILE NAME: 31153

Hutchison Engineering, Inc.
Jacksonville - Moline - Peoria - Shorewood
Since 1945

USER NAME = default	DESIGNED - LDZ	REVISED -
	DRAWN - RMD	REVISED -
PLOT SCALE = \$SCALE\$	CHECKED - WLP	REVISED -
PLOT DATE = 1/17/2022	DATE - 11/5/2021	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**FAP ROUTE 316 (IL RTE 26)
SUMMARY OF QUANTITIES**

SCALE: N/A SHEET 3 OF 5 SHEETS STA. N/A TO STA. N/A

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
316	(114)CR	BUREAU	40	5
CONTRACT NO. 66K35				
ILLINOIS FED. AID PROJECT				

REV. 3/21/22 REV. 2/14/22

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE
				80% FED 20% STATE
				ROADWAY
				0004 RURAL
70400125	PINNING TEMPORARY CONCRETE BARRIER	EACH	30	30
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	137.5	137.5
70600250	IMPACT ATTENUATORS, TEMPORARY (NON- REDIRECTIVE), TEST LEVEL 3	EACH	2	2
70600260	IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3	EACH	1	1
70600350	IMPACT ATTENUATORS, RELOCATE (NON- REDIRECTIVE), TEST LEVEL 3	EACH	1	1
* 72000100	SIGN PANEL - TYPE 1	SQ FT	18	18
* 72400100	REMOVE SIGN PANEL ASSEMBLY - TYPE A	EACH	2	2
73000100	WOOD SIGN SUPPORT	FOOT	30	30
* 78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	4680	4680
* 78001130	PAINT PAVEMENT MARKING - LINE 6"	FOOT	400	400
* 78004620	PREFORMED PLASTIC PAVEMENT MARKING, TYPE D - LINE 4"	FOOT	72	72
* 78011035	GROOVING FOR RECESSED PAVEMENT MARKING 7"	FOOT	72	72
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	10	10
* 78200005	GUARDRAIL REFLECTORS, TYPE A	EACH	8	8

*= SPECIALTY ITEM

MODEL: 1400RELENAME
FILE NAME: 31615

Hutchison Engineering, Inc.
Jacksonville - Moline - Peoria - Shorewood
Since 1945

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**FAP ROUTE 316 (IL RTE 26)
SUMMARY OF QUANTITIES**

SCALE: N/A SHEET 4 OF 5 SHEETS STA. N/A TO STA. N/A

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
316	(114)CR	BUREAU	40	6
			CONTRACT NO. 66K35	
ILLINOIS FED. AID PROJECT				

REV. 3/21/22 REV. 2/14/22

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE
				80% FED 20% STATE
				ROADWAY
				0004
				RURAL
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	10	10
78300202	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	880	880
X0326649	LINEAR DELINEATOR PANELS, 6 INCH	EACH	4	4
X1200050	BOX CULVERT REMOVAL	FOOT	60	60
X2700001	TEMPORARY RUMBLE STRIPS (SPECIAL)	EACH	3	3
* X6330725	STEEL PLATE BEAM GUARDRAIL (SHORT RADIUS)	FOOT	25.0	25.0
X7030005	TEMPORARY PAVEMENT MARKING REMOVAL	SQ FT	866	866
Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1
Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	42	42
Z0055400	RUMBLE STRIP	FOOT	1106	1106
Z0062456	TEMPORARY PAVEMENT	SQ YD	127	127

MODEL: MODELNAME\$
FILE NAME: FILE1

Hutchison Engineering, Inc.
Jacksonville - Moline - Peoria - Shorewood
Since 1945

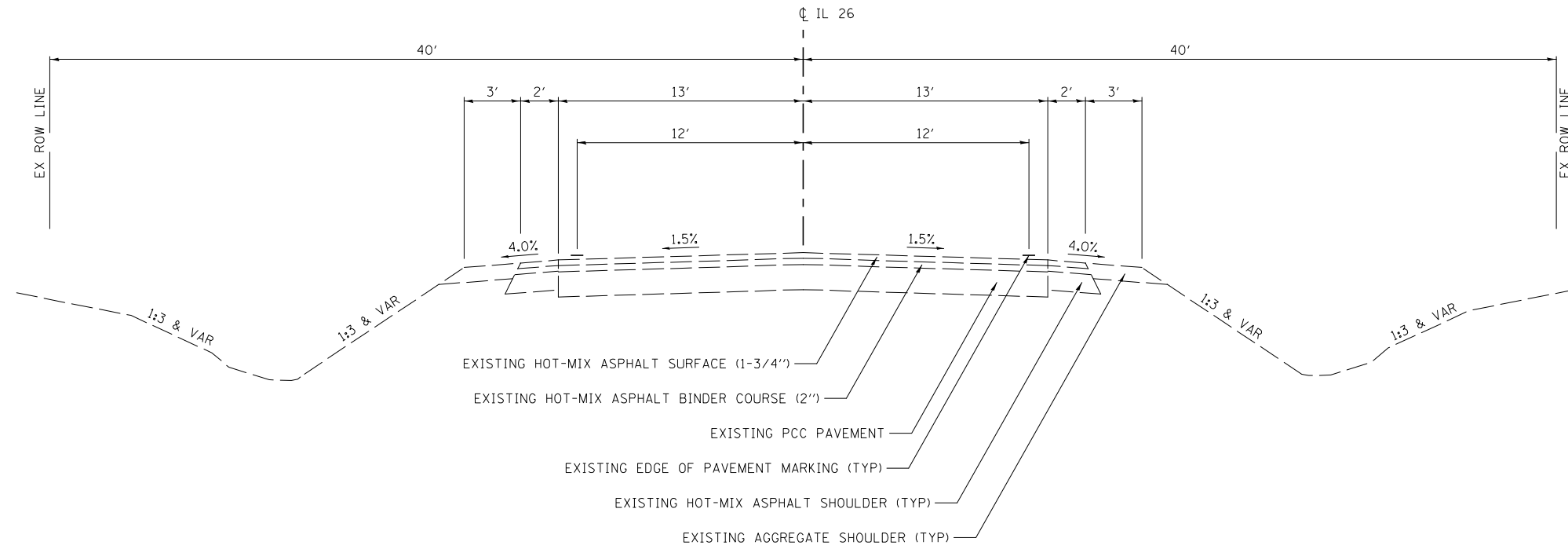
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**FAP ROUTE 316 (IL RTE 26)
SUMMARY OF QUANTITIES**

SCALE: N/A SHEET 5 OF 5 SHEETS STA. N/A TO STA. N/A

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
316	(114)CR	BUREAU	40	7
			CONTRACT NO. 66K35	
ILLINOIS FED. AID PROJECT				



EXISTING TYPICAL SECTION
FAP ROUTE 316 (IL RTE 26)

STA 1059+00.00 TO STA 1064+53.08

MODEL NUMBER: 11/11/2022
 FILE NAME: 31615

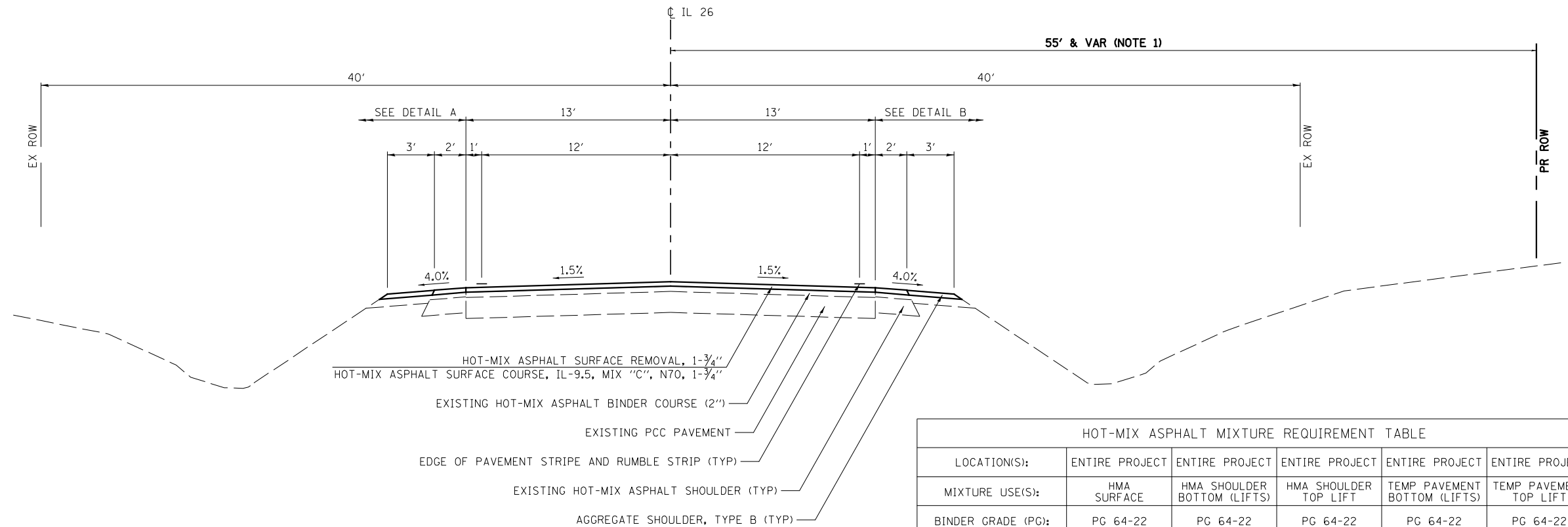
Hutchison Engineering, Inc.
 Jacksonville - Peoria - Quad Cities - Shorewood
 Since 1945

USER NAME = default	DESIGNED - LDZ	REVISED -
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PLOT SCALE = \$SCALES	DATE - 11/5/2021	REVISED -
PLOT DATE = 1/11/2022		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FAP ROUTE 316 (IL RTE 26)		SCALE: N/A	SHEET 1 OF 1 SHEETS	STA. N/A	TO STA. N/A
EXISTING TYPICAL SECTION					

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
316	114(CR)	BUREAU	40	8
CONTRACT NO. 66K35				
ILLINOIS FED. AID PROJECT				



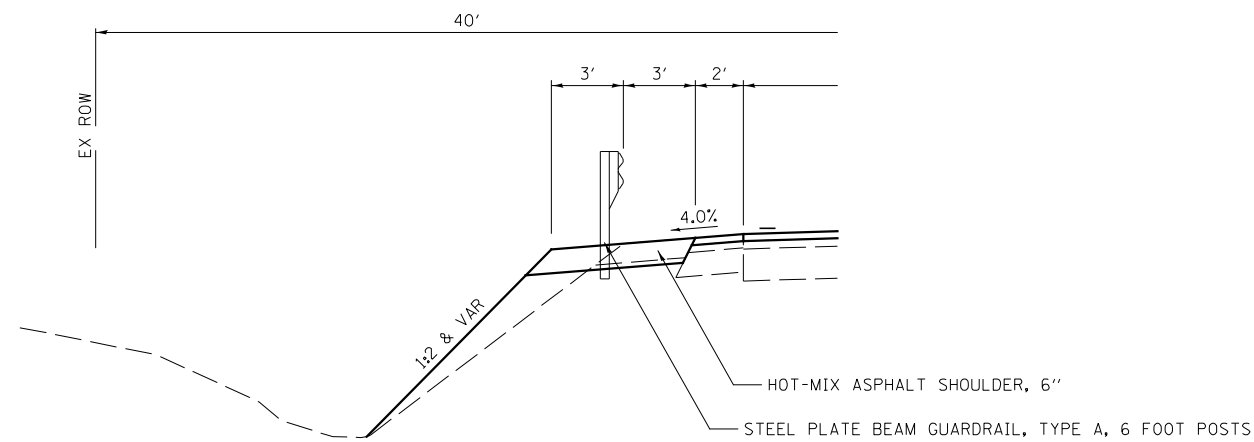
PROPOSED TYPICAL SECTION
FAP ROUTE 316 (IL RTE 26)

STA 1059+00.00 TO STA 1064+53.08

HOT-MIX ASPHALT MIXTURE REQUIREMENT TABLE					
LOCATION(S):	ENTIRE PROJECT	ENTIRE PROJECT	ENTIRE PROJECT	ENTIRE PROJECT	ENTIRE PROJECT
MIXTURE USE(S):	HMA SURFACE	HMA SHOULDER BOTTOM (LIFTS)	HMA SHOULDER TOP LIFT	TEMP PAVEMENT BOTTOM (LIFTS)	TEMP PAVEMENT TOP LIFT
BINDER GRADE (PG):	PG 64-22	PG 64-22	PG 64-22	PG 64-22	PG 64-22
DESIGN AIR VOIDS:	4.0% @ N70	4.0% @ N50	4.0% @ N50	4.0% @ N50	4.0% @ N50
MIXTURE COMPOSITION: (MIXTURE GRADATION):	IL-9.5	IL-19.0	IL-9.5	IL-19.0	
FRICTION AGGREGATE:	MIXTURE C		MIXTURE C		
MIXTURE WEIGHT:	112.0 LB/SY/IN	112.0 LB/SY/IN	112.0 LB/SY/IN	112.0 LB/SY/IN	112.0 LB/SY/IN
QUALITY MANAGEMENT PROGRAM:	QCOA	QCOA	QCOA	QCOA	
SUBLOT SIZE:	N/A	N/A	N/A	N/A	
DENSITY TEST METHOD:	CORES	CORES	CORES	SATISFACTION OF ENGINEER	SATISFACTION OF ENGINEER
MATERIAL TRANSFER DEVICE (REQUIRED):	NO	NO	NO	NO	N/A

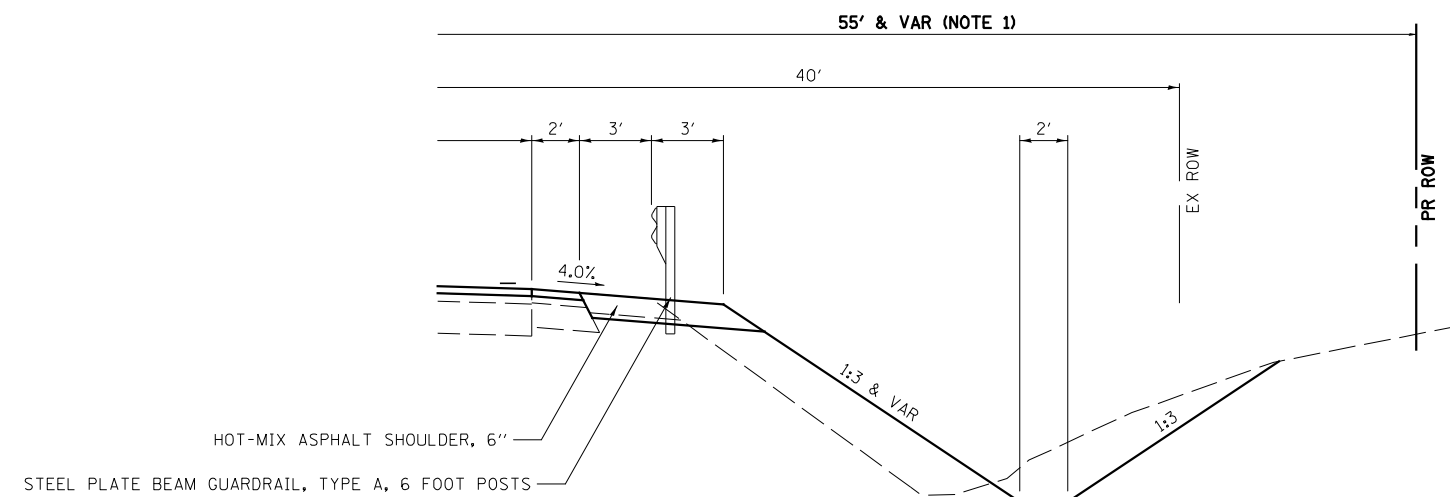
NOTES:

- PROPOSED ROW VARIES FROM 40' AT STA 1060+80 TO 55' AT STA 1061+20 AND FROM 55' AT STA 1064+50 TO 40' AT STA 1065+55.



DETAIL A

STA 1061+02 TO STA 1063+73



DETAIL B

STA 1059+82 TO STA 1061+97

MODEL NUMBER: 11/11/2022
 FILE NAME: 316.TIF

Hutchison Engineering, Inc.
 Jacksonville - Peoria - Quad Cities - Shorewood
 Since 1945

USER NAME = default	DESIGNED - LDZ	REVISED -
	DRAWN - RMD	REVISED -
PLOT SCALE = \$SCALES	CHECKED - WLP	REVISED -
PLOT DATE = 1/11/2022	DATE - 11/5/2021	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FAP ROUTE 316 (IL RTE 26)
PROPOSED TYPICAL SECTION

SCALE: N/A SHEET 1 OF 1 SHEETS STA. N/A TO STA. N/A

F.A.P. RTE. 316	SECTION 114(CR)	COUNTY BUREAU	TOTAL SHEETS 40	SHEET NO. 9
CONTRACT NO. 66K35			ILLINOIS FED. AID PROJECT	

EARTHWORK									
1		2		3		4		5	
LOCATION		EARTH EXCAVATION		SUITABLE EXCAVATION ADJUSTED FOR SHRINKAGE		EMBANKMENT		EARTH BALANCE WASTE(+) OR SHORTAGE(-)	
STATION	TO	STATION	CU YD	CU YD	CU YD	CU YD	CU YD	CU YD	CU YD
IL RTE 26									
1059+00	TO	1064+53	165	124	332				-208
TOTAL			165	124	332				-208
USE PAY ITEM TOTALS BELOW									
<p>INFORMATION: C = CUT (FROM CROSS SECTIONS)</p> <p>SHRINKAGE FACTORS: 25%</p> <p>COLUMN 1 - LOCATION FROM PLANS COLUMN 2 - CUT QUANTITIES FROM CROSS SECTIONS (C) COLUMN 3 - = (COLUMN 2) x (1-EARTH EXCAVATION SHRINKAGE FACTOR) COLUMN 4 - QUANTITIES FROM CROSS SECTIONS COLUMN 5 - = COLUMN 3 - COLUMN 4</p> <p>PAY ITEMS:</p> <p>COLUMN #2 IS EARTH EXCAVATION (20200100) = 165 CU YD COLUMN #5 IS FURNISHED EXCAVATION (20400800) = 208 CU YD</p>									

SEEDING, EROSION CONTROL BLANKET & NUTRIENTS								
LOCATION				SEEDING, CLASS 2A	NITROGEN FERTILIZER NUTRIENT	PHOSPHORUS FERTILIZER NUTRIENT	POTASSIUM FERTILIZER NUTRIENT	EROSION CONTROL BLANKET
STATION +/-	TO	STATION +/-	SIDE	ACRE	POUND	POUND	POUND	SQ YD
				25000210	25000400	25000500	25000600	25100630
IL RTE 26								
1059+00	TO	1064+53	LT	0.09	9	9	9	436
1059+00	TO	1061+94	RT	0.14	13	13	13	578
1062+24	TO	1064+53	RT	0.12	11	11	11	581
TOTAL				0.35	33	33	33	1695
USE				0.50	40	40	40	1695

TEMPORARY EROSION CONTROL SEEDING							
STATION +/-	TO	STATION +/-	SIDE	TEMP SEED ACRES	POUNDS PER APPLICATION PER ACRE	NUMBER OF APPLICATIONS	TOTAL POUND
							28000250
IL RTE 26							
1059+00	TO	1064+53	LT	0.09	100	1	9
1059+00	TO	1061+94	RT	0.14	100	1	14
1059+00	TO	1061+94	RT	0.12	100	1	12
TOTAL							23
USE							50

MULCH METHOD 2 IS USED FOR TEMPORARY MULCHING

TEMPORARY DITCH CHECKS		
LOCATION	OFFSET	LENGTH FOOT
28000305		
IL RTE 26		
1059+04	32' RT	10
1060+00	36' RT	10
1061+00	35' RT	10
1063+00	29' RT	10
1064+00	28' RT	10
TOTAL		50

INLET AND PIPE PROTECTION		
STATION	OFFSET	EACH
28000500		
IL RTE 26		
1062+39	30' RT	1
TOTAL		1

PERIMETER EROSION BARRIER SCHEDULE				
STATION	TO	STATION	SIDE	LENGTH FOOT
				28000400
IL RTE 26				
1059+00	TO	1062+00	LT	308
1059+00	TO	1061+94	RT	295
1062+24	TO	1064+53	RT	231
1062+29	TO	1064+53	LT	237
TOTAL				1071
PERIMETER EROSION BARRIER IS SILT FENCE.				

MODEL NUMBER: 11/11/2022
FILE NAME: 11/11/2022

Hutchison Engineering, Inc.
Jacksonville - Moline - Peoria - Shorewood
Since 1945

USER NAME = default	DESIGNED - LDZ	REVISED -
	DRAWN - RMD	REVISED -
PLOT SCALE = 5/8"=1'	CHECKED - WLP	REVISED -
PLOT DATE = 11/11/2022	DATE - 11/5/2021	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**FAP ROUTE 316 (IL RTE 26)
SCHEDULE OF QUANTITIES**

SCALE: N/A SHEET 1 OF 4 SHEETS STA. N/A TO STA. N/A

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
316	(114)CR	BUREAU	40	10
CONTRACT NO. 66K35				
ILLINOIS FED. AID PROJECT				

PAVEMENT									
LOCATION		BITUMINOUS MATERIALS (TACK COAT)	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "C", N70	AGGREGATE SHOULDERS, TYPE B 6"	HOT-MIX ASPHALT SHOULDERS, 6"	LONGITUDINAL JOINT SEALANT	HOT-MIX ASPHALT SURFACE REMOVAL, 1 3/4"	RUMBLE STRIP	
STATION	TO	STATION	POUND	TON	TON	SQ YD	FOOT	SQ YD	FOOT
			40600290	40604052	48101200	48203021	40600370	44000156	Z0055400
IL RTE 26									
1059+00.00	TO	1059+57.00	87	19	5		57	183	114
1059+57.00	TO	1061+02.00	218	48	6	99	145	477	290
1061+02.00	TO	1062+06.00	157	35		164	104	344	208
1062+06.00	TO	1063+98.00	287	63	7	130	192	633	384
1063+98.00	TO	1064+53.00	84	19	5		55	184	110
TOTAL			833	184	23	393	553	1821	1106

CLASS D PATCHES			
STATION +/-	SIDE	TYPE IV 13 INCH SQ YD	TRENCH BACKFILL CU YD
		44201809	20800150
IL RTE 26			
1061+80.0	RT	26	42
1061+80.0	LT	26	42
TOTAL		52	84

STEEL PLATE BEAM GUARDRAIL									
STATION +/-	TO	STATION +/-	SIDE	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	STEEL PLATE BEAM GUARDRAIL (SHORT RADIUS)	TRAFFIC BARRIER TERMINAL, TYPE 2	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	GUARDRAIL REFLECTORS, TYPE A	LINEAR DELINEATOR PANELS, 6 INCH
				FOOT	FOOT	EACH	EACH	EACH	EACH
				63000001	X6330725	63100045	63100167	78200005	X0326649
IL RTE 26									
1059+67.5	TO	1061+97.0	RT	162.5	25.0	1	1	4	2
1061+12.5	TO	1063+87.5	LT	175.0			2	4	2
TOTAL				337.5	25.0	1	3	8	4

ENTRANCES				
LOCATION			BITUMINOUS MATERIALS (TACK COAT)	INCIDENTAL HOT-MIX ASPHALT SURFACING
STATION	SIDE	TYPE	POUND	TON
			40600290	40800050
IL RTE 26				
1062+15.2	RT	CE	246	11
TOTAL			246	11

PIPE CULVERT REMOVAL		
STATION +/-	SIDE	18" CMP
		FOOT
		50105220
IL RTE 26		
1062+14.6	29.6' RT	49
SUB-TOTAL		49
TOTAL		49
NOTE: END SECTION REMOVAL WILL BE INCLUDED IN THE COST OF PIPE CULVERT REMOVAL.		

PIPE CULVERTS				
LOCATION		CLASS D TYPE 1 18"	METAL FLARED END SECTIONS 18"	TRENCH BACKFILL
STATION	SIDE	FOOT	EACH	CU YD
		542D0223	54262718	20800150
IL RTE 26				
1062+12.10	RT	54	2	8
TOTAL		54	2	8

MODEL NUMBER: 11/14/2022
FILE NAME: 316.DWG

Hutchison Engineering, Inc.
Jacksonville - Moline - Peoria - Shorewood
Since 1945

USER NAME = default	DESIGNED - LDZ	REVISED -
DRAWN - RMD	CHECKED - WLP	REVISED -
PLOT SCALE = \$SCALES	DATE - 11/5/2021	REVISED -
PLOT DATE = 1/14/2022		

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**FAP ROUTE 316 (IL RTE 26)
SCHEDULE OF QUANTITIES**

SCALE: N/A SHEET 2 OF 4 SHEETS STA. N/A TO STA. N/A

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
316	(114)CR	BUREAU	40	11
CONTRACT NO. 66K35				
ILLINOIS FED. AID PROJECT				

GUARDRAIL REMOVAL				
STATION +/-	TO	STATION +/-	SIDE	FOOT
				63200310
IL RTE 26				
1059+37	TO	1061+89	RT	253
1060+99	TO	1064+14	LT	316
1062+43	TO	1063+21	RT	79
TOTAL				648

SHORT TERM PAVEMENT MARKING REMOVAL				
		DIRECTION	YELLOW SQ FT	
			70300150	
IL RTE 26				
1058+20	TO	1066+00	NB/SB	330
SUB-TOTAL			330	
TOTAL			330	

SHORT TERM PAVEMENT MARKING						
STATION		TO	STATION	DIRECTION	SOLID YELLOW CENTERLINE	SKIP DASH YELLOW CENTERLINE
				FOOT		
				70300100		
IL RTE 26						
1058+20	TO	1066+00	NB/SB	780	200	
IL RTE 26 SUB-TOTAL				780	200	
2 APPLICATIONS				1560	400	
TOTAL				1960		

TEMPORARY CONCRETE BARRIER									
STATION +/-	TO	STATION +/-	SIDE	TEMPORARY CONCRETE BARRIER	PINNING TEMPORARY CONCRETE BARRIER	RELOCATE TEMPORARY CONCRETE BARRIER	IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL	IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE, NARROW) TEST	IMPACT ATTENUATORS, RELOCATE (NON-REDIRECTIVE), TEST LEVEL 3
				FOOT	EACH	FOOT	EACH	EACH	EACH
				70400100	70400125	70400200	70600250	70600260	70600350
IL RTE 26									
STAGE 1									
1060+54	TO	1062+94	LT/RT	237.5	15		2		
STAGE 2									
16+43	TO	21+53	LT/RT		15	137.5		1	1
TOTAL				237.5	30	137.5	2	1	1

SIGNING REMOVAL			
STATION	SIDE	SIGN DESCRIPTION	REMOVE SIGN PANEL ASSEMBLY - TYPE A
			EACH
			72400100
IL RTE 26			
1061+21	21.7' LT	STOP AHEAD	1
1061+23	20.6' LT	STOP AHEAD	1
TOTAL			2

SIGN PANEL AND SIGN SUPPORTS				
LOCATION		SIGN DESIGNATION	SIGN PANEL	WOOD SIGN
STATION	SIDE		TYPE 1 SQ FT	SUPPORT FOOT
			72000100	73000100
IL RTE 26				
1060+90	LT	W3-1	9.00	15.0
1060+90	RT	W3-1	9.00	15.0
TOTAL			18.00	30.0
USE			18	30

MODEL NUMBER: 11/17/2022
FILE NAME: 316.DWG

Hutchison Engineering, Inc.
Jacksonville - Moline - Peoria - Shorewood
Since 1945

USER NAME = default	DESIGNED - LDZ	REVISED -
	DRAWN - RMD	REVISED -
PLOT SCALE = \$SCALES	CHECKED - WLP	REVISED -
PLOT DATE = 1/17/2022	DATE - 11/5/2021	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**FAP ROUTE 316 (IL RTE 26)
SCHEDULE OF QUANTITIES**

SCALE: N/A SHEET 3 OF 4 SHEETS STA. N/A TO STA. N/A

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
316	(114)CR	BUREAU	40	12
CONTRACT NO. 66K35			ILLINOIS FED. AID PROJECT	

WORK ZONE PAVEMENT MARKING					
LOCATION	TEMPORARY PAVEMENT MARKING PAINT		TEMPORARY PAVEMENT MARKING REMOVAL	SQ FT	X7030005
	LINE 4" SOLID	LINE 24" SOLID			
	FOOT				
	70300221	7C300281			
IL RTE 26					
STAGE 1					
1058+32	TO	1065+83	1106	26	421
STAGE 2					
1058+38	TO	1065+88	1131	34	445
			2237	60	866
TOTAL			2237	60	866

PAVEMENT MARKING SCHEDULE								
LOCATION				PAINT PAVEMENT MARKING			PREFORMED PLASTIC PAVEMENT MARKING, TYPE D	GROOVING FOR RECESSED PAVEMENT
				4"	4"	6"	4"	
				SOLID	SOLID	SKIP DASH	SOLID	
				WHITE	YELLOW	YELLOW	WHITE	
				78001110		78001130	78004620	78011035
STATION	TO	STATION	DIRECTION					
IL RTE 26								
1058+20	TO	1066+00	NB/SB	3120	1560	400		
1062+91	TO	1063+01	NB				72	72
SUB-TOTAL				3120	1560	400	72	72
TOTAL				4680		400	72	72

NOTE: ADDITIONAL QUANTITY HAS BEEN INCLUDED TO ALLOW FOR TWO SEPARATE APPLICATIONS OF PAINT PAVEMENT MARKING LINE.

PAVEMENT MARKING REMOVAL - WATER BLASTING				
STATION	TO	STATION	LOCATION	LINES
				4"
				SQ FT
				78300202
IL RTE 26				
1058+20	TO	1066+00	CL	360
1058+20	TO	1066+00	EDGE	520
TOTAL				880

RAISED REFLECTIVE PAVEMENT MARKER REMOVAL				
LOCATION				EACH
STATION	TO	STATION	DIRECTION	
				78300200
IL RTE 26				
1058+20	TO	1066+00	NB/SB	10
TOTAL				10

TEMPORARY PAVEMENT								
LOCATION				FOR INFORMATION ONLY				TEMPORARY PAVEMENT
				SUBBASE GRANULAR MATERIAL, TYPE A 4"	BITUMINOUS MATERIALS (TACK COAT)	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 6"	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N70, 1 3/4"	
STATION	TO	STATION	SIDE	SQ YD	POUND	TON	TON	SQ YD
				Z0062456				
IL RTE 26								
PRE-STAGE 1								
1060+36	TO	1063+26	RT	106	219	24	10	97
STAGE 1								
1060+30	TO	1061+02	LT	42	68	8	3	30
TOTAL								127

SEE STAGING TYPICAL AND SPECIAL PROVISION

RAISED REFLECTIVE PAVEMENT MARKER				
LOCATION				2-WAY AMBER
STATION	TO	STATION	DIRECTION	EACH
				78100100
IL RTE 26				
1058+20.0	TO	1066+00.0	NB/SB	10
SUB-TOTAL				10
TOTAL				10

MODEL NUMBER: 11/14/2022
FILE NAME: 311213

Hutchison Engineering, Inc.
Jacksonville - Moline - Peoria - Shorewood
Since 1945

USER NAME = default	DESIGNED - LDZ	REVISED -
	DRAWN - RMD	REVISED -
PLOT SCALE = \$SCALES	CHECKED - WLP	REVISED -
PLOT DATE = 1/14/2022	DATE - 11/5/2021	REVISED -

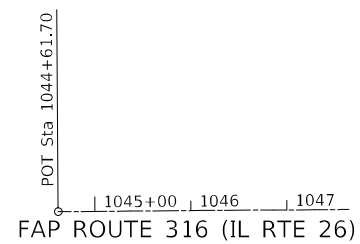
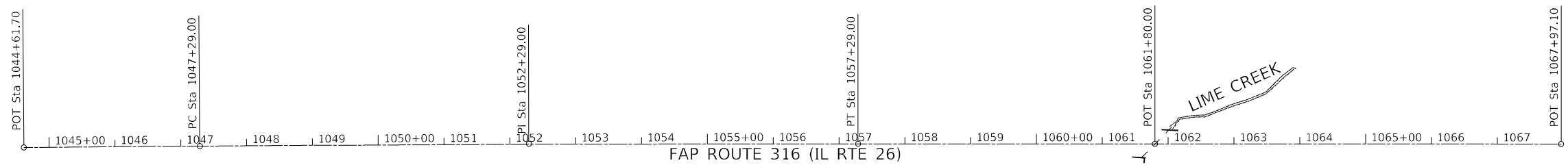
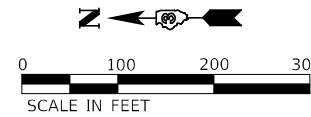
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FAP ROUTE 316 (IL RTE 26)
SCHEDULE OF QUANTITIES

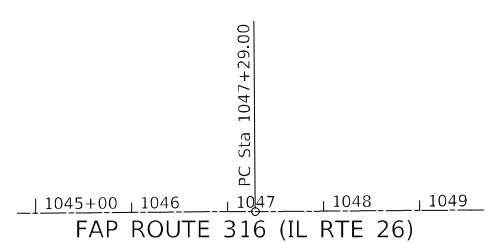
SCALE: N/A SHEET 4 OF 4 SHEETS STA. N/A TO STA. N/A

F.A.P. RTE. 316	SECTION (114)CR	COUNTY	TOTAL SHEETS 40	SHEET NO. 13
			CONTRACT NO. 66K35	
ILLINOIS FED. AID PROJECT				

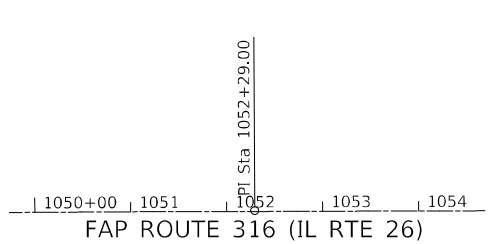
EXIST. CURVE EXCL_IL26_3
 PI STA. = 1052+29.00
 Δ = 0° 26' 03" (RT)
 D = 0° 02' 36"
 R = 131,999.31'
 T = 500.00'
 L = 1,000.00'
 E = 0.95'
 e = N.C.
 T.R. = N.C.
 S.E. RUN = N.C.
 P.C. STA. = 1047+29.00
 P.T. STA. = 1057+29.00



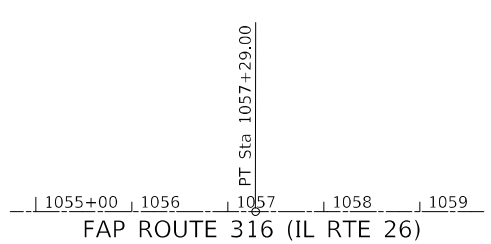
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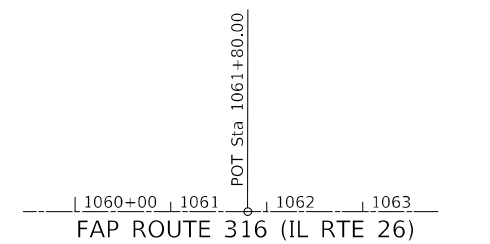
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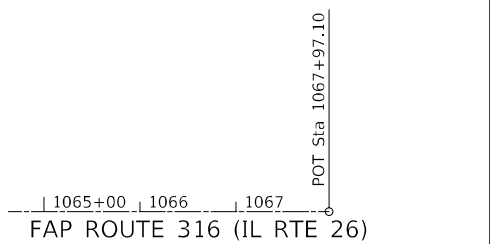
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 E: 2489565.8862



N: 1779498.2205
 E: 2489564.7220



N: 1778881.1226
 E: 2489563.1290

FAP ROUTE 316 (IL RTE 26) P.O.T. 1044 + 61.70 **FAP ROUTE 316 (IL RTE 26) P.C. 1047 + 29.00** **FAP ROUTE 316 (IL RTE 26) P.I. 1052 + 29.00** **FAP ROUTE 316 (IL RTE 26) P.T. 1057 + 29.00** **FAP ROUTE 316 (IL RTE 26) P.O.T. 1061 + 80.00** **FAP ROUTE 316 (IL RTE 26) P.O.T. 1067 + 97.10**

MODEL: 1400BENMARKS
 FILE NAME: 316TIES

Hutchinson Engineering, Inc.
 Jacksonville Moline Peoria Shorewood
 Since 1945

USER NAME = default	DESIGNED - LDZ	REVISED -
	DRAWN - RMD	REVISED -
PLOT SCALE = \$SCALES	CHECKED - WLP	REVISED -
PLOT DATE = 1/11/2022	DATE - 11/5/2021	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

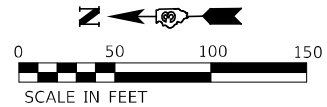
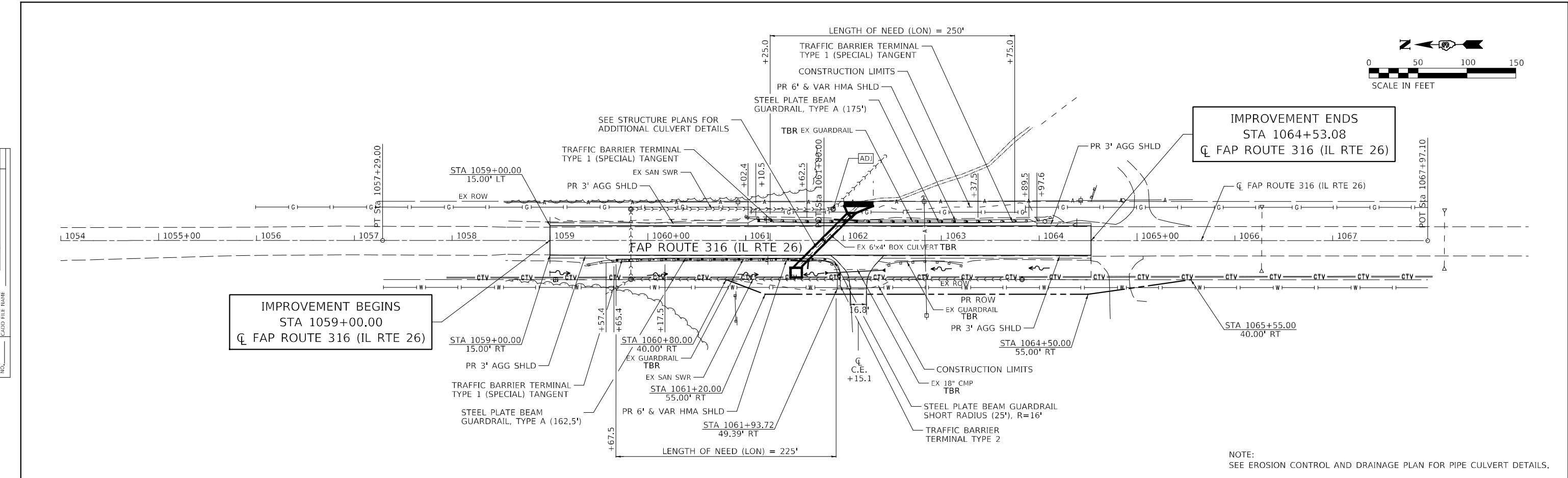
**FAP ROUTE 316 (IL RTE 26)
 ALIGNMENT, TIES & BENCHMARKS**

SCALE: 1"=100' SHEET 1 OF 1 SHEETS STA. 1044+61.70 TO STA. 1067+97.10

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
316	(114)CR	BUREAU	40	14
CONTRACT NO. 66K35				
ILLINOIS FED. AID PROJECT				

DATE	
BY	
PLAN	
NO.	
DATE	
BY	
PROFILE	
NO.	

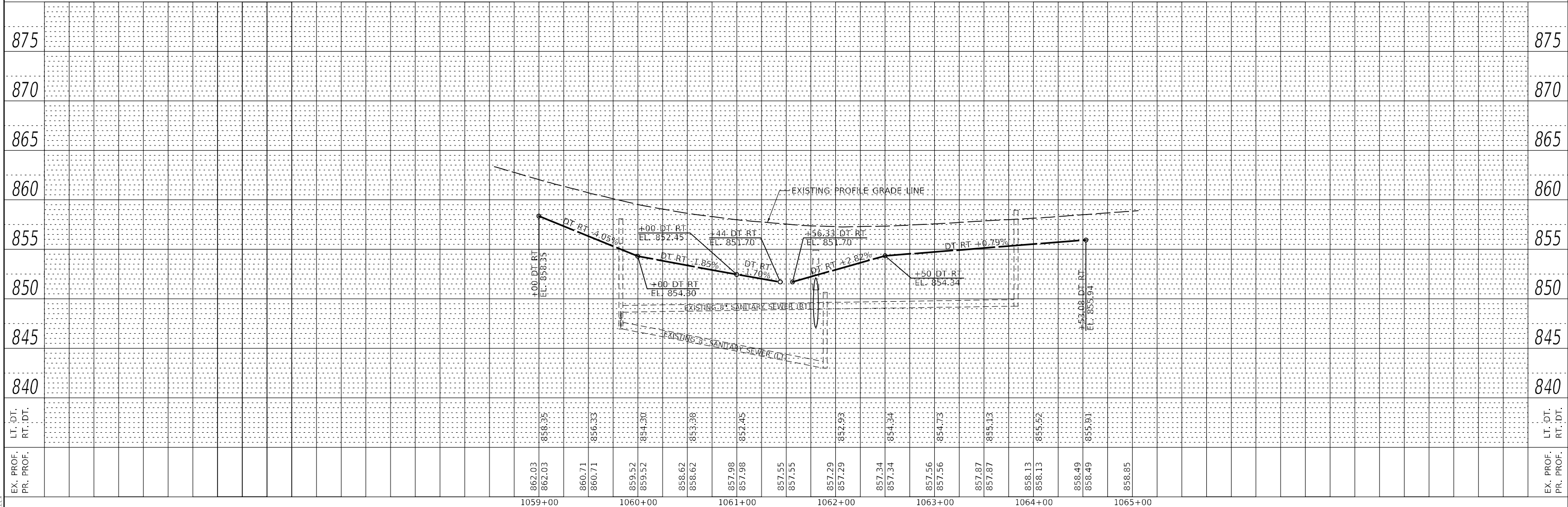
DATE	
BY	
PROFILE	
NO.	
DATE	
BY	
PLAN	
NO.	



IMPROVEMENT ENDS
STA 1064+53.08
CL FAP ROUTE 316 (IL RTE 26)

IMPROVEMENT BEGINS
STA 1059+00.00
CL FAP ROUTE 316 (IL RTE 26)

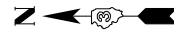
NOTE:
SEE EROSION CONTROL AND DRAINAGE PLAN FOR PIPE CULVERT DETAILS.



MODEL: S:\MODEL\NAMES
FILE NAME: S:\FILES

Hutchinson Engineering, Inc. Jacksonville Moline Peoria Shorewood Since 1945	USER NAME = default	DESIGNED - LDZ	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	FAP ROUTE 316 (IL RTE 26) PLAN AND PROFILE	F.A.P. RTE. 316	SECTION (114)CR	COUNTY BUREAU	TOTAL SHEETS 40	SHEET NO. 15
	PLOT SCALE = 5/SCALE5	CHECKED - WLP	REVISED -			SCALE: H=50 V=5	SHEET 1 OF 1 SHEETS	STA. 1054+00 TO STA. 1069+00	CONTRACT NO. 66K35	
	PLOT DATE = 1/11/2022	DATE - 11/5/2021	REVISED -							

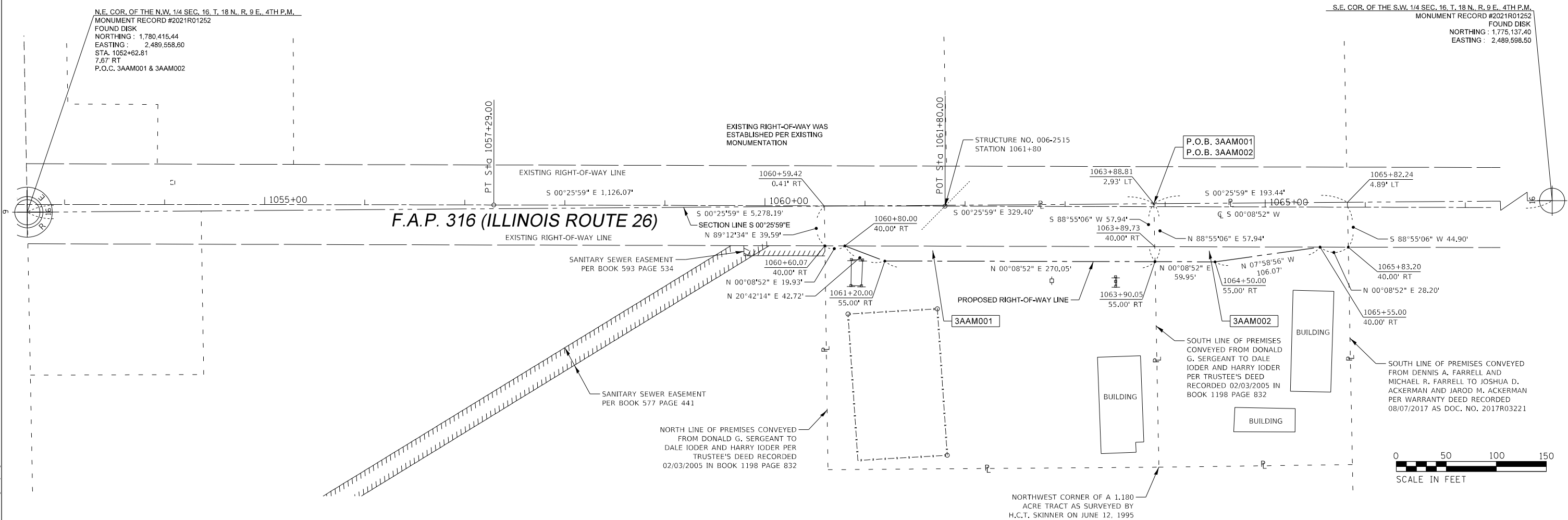
NORTHWEST 1/4 OF SEC. 16, T. 18 N., R. 9 E., 4TH P.M.



EXIST. CURVE EXCL_IL26_3
 PI STA. = 1052+29.00
 $\Delta = 0^\circ 26' 03''$ (RT)
 $D = 0^\circ 02' 36''$
 $R = 131,999.31'$
 $T = 500.00'$
 $L = 1,000.00'$
 $E = 0.95'$
 P.C. STA. = 1047+29.00
 P.T. STA. = 1057+29.00

N.E. COR. OF THE N.W. 1/4 SEC. 16, T. 18 N., R. 9 E., 4TH P.M.
 MONUMENT RECORD #2021R01252
 FOUND DISK
 NORTHING : 1,780,415.44
 EASTING : 2,489,558.60
 STA. 1052+62.81
 7.67' RT
 P.O.C. 3AAM001 & 3AAM002

S.E. COR. OF THE S.W. 1/4 SEC. 16, T. 18 N., R. 9 E., 4TH P.M.
 MONUMENT RECORD #2021R01252
 FOUND DISK
 NORTHING : 1,775,137.40
 EASTING : 2,489,598.50



SURVEYOR'S STATEMENT

I, KEVIN A. KROHE, HEREBY CERTIFY THAT I AM A PROFESSIONAL LAND SURVEYOR OF THE STATE OF ILLINOIS. THAT THE SURVEY OF F.A.P. 316 (IL. 26) WAS MADE BY ME OR UNDER MY DIRECTION, AND THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF. THAT ALL MONUMENTS AND MARKS ARE OF THE CHARACTER AND OCCUPY THE POSITION SHOWN THEREON, AND ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

BY KEVIN A. KROHE, ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-3761 (EXPIRES NOV. 2022) DATED _____



NOTE: GRID BEARINGS AND DISTANCES SHOWN HEREON ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM, (GRID) WEST ZONE, (NAD-83, 2011 ADJ.).

ALL AREAS ARE BASED ON GROUND MEASUREMENTS
 COMBINED FACTOR = 0.99994529
 TOTAL HOLDING AREA SURVEYED

PARCEL 3AAM001

P.I.N. : 04-16-100-010

TOTAL HOLDING = 1.996 AC. +/- 86,933 SQ.FT. +/-
 TOTAL R.O.W. REQUIRED = 0.412 AC. +/- 17,945 SQ.FT. +/-
 AREA IN EXISTING R.O.W. = 0.312 AC. 13,597 SQ.FT.
 NET R.O.W. REQUIRED = 0.100 AC. +/- 4,348 SQ.FT. +/-
 REMAINDER = 1.584 AC. +/- 68,988 SQ.FT. +/-

PARCEL 3AAM002

P.I.N. : 04-16-100-007

TOTAL HOLDING = 1.167 AC. +/- 50,835 SQ.FT. +/-
 TOTAL R.O.W. REQUIRED = 0.234 AC. +/- 10,184 SQ.FT. +/-
 AREA IN EXISTING R.O.W. = 0.195 AC. 8,495 SQ.FT.
 NET R.O.W. REQUIRED = 0.039 AC. +/- 1,689 SQ.FT. +/-
 REMAINDER = 0.933 AC. +/- 40,651 SQ.FT. +/-

USER NAME = Steve	DESIGNED -	REVISED -
DRAWN -	REVISED -	
PLOT SCALE = 50,0000' / in.	CHECKED -	REVISED -
PLOT DATE = 10/4/2021	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

PLAT OF HIGHWAYS

SCALE: 1"=50' SHEET 2 OF 2 SHEETS STA. 1060+00 TO STA. 1066+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
316	(114)ES	BUREAU	40	16
ILLINOIS 26		CONTRACT NO. 66K35		
		ILLINOIS FED. AID PROJECT		

21056

ARTISAN
 CONSULTING ENGINEERS, LLC
 1245 Sunnyside Road
 Chapin, IL 62628
 (815) 519-9645
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 184-005655 (Illinois)

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MODEL: Unlabeled Sheet
 FILE NAME: 21056 - IDOT P18 194 Item 32 - Work Order 05 - Ohls_D318m01Sheet18.dgn

PRE-STAGE 1 CONSTRUCTION

INSTALL TRAFFIC CONTROL SIGNING ACCORDING TO IDOT HIGHWAY STANDARD 701326.

CONSTRUCT TEMPORARY WIDENING FROM STA 1060+36 TO 1063+26 (RT) AS SHOWN IN THE PRE-STAGE 1 PLANS.

TRAFFIC CONTROL AND PROTECTION

TRAFFIC CONTROL AND PROTECTION SHALL BE PERFORMED IN ACCORDANCE WITH THE TRAFFIC CONTROL PLAN, SECTION 701 OF THE STANDARD SPECIFICATIONS AND THE SPECIAL PROVISIONS.

TWO-WAY TRAFFIC SHALL BE ACCOMMODATED AT ALL TIMES ON EXISTING PAVEMENT, EXCEPT DURING ISOLATED FLAGGER CONTROLLED LANE CLOSURES.

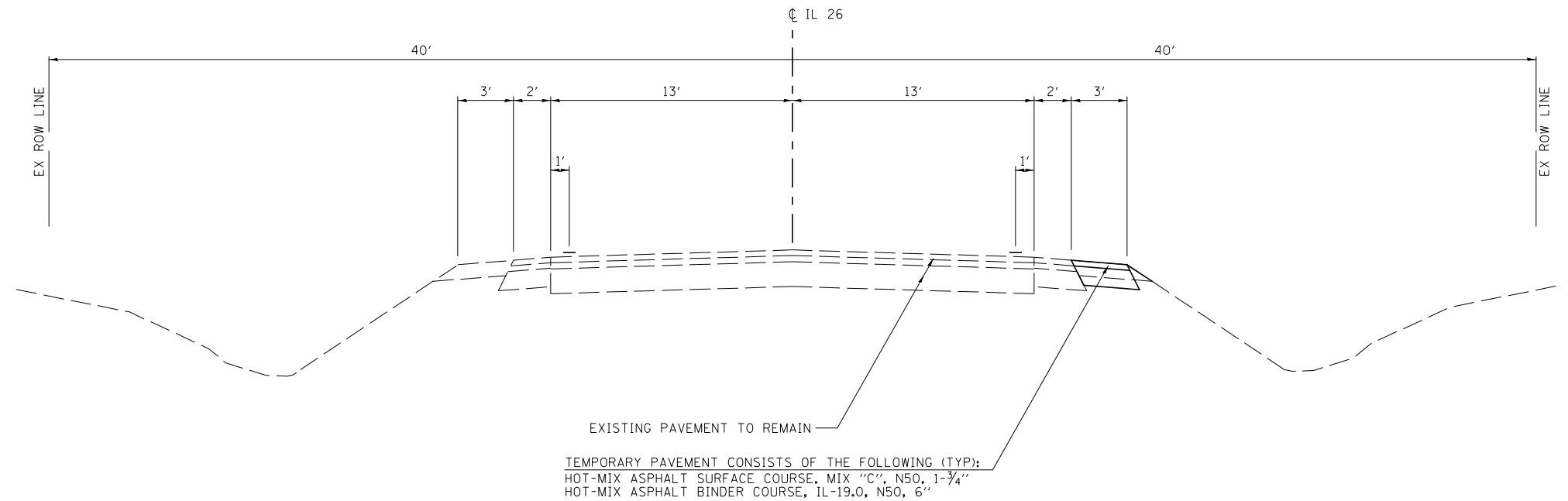
EXISTING TRAFFIC CONTROL SIGNS AND DEVICES WILL BE REMOVED BY THE CONTRACTOR AFTER THE PROPOSED TRAFFIC CONTROL REQUIREMENTS ARE MET, OR AS AUTHORIZED BY THE ENGINEER. SIGNS OR DEVICES LEFT IN PLACE AT THIS TIME ARE TO BE PROTECTED FROM DAMAGE BY THE CONTRACTOR.

THE CONTRACTOR SHALL SCHEDULE OPERATIONS TO ENSURE THAT NO DROP-OFF OF GREATER THAN 12", WITHIN 3' OF THE TRAVEL LANE, IS PRESENT FOR 48 HOURS OR MORE.

NO DROP-OFF GREATER THAN 24" WITHIN 12' OF THE TRAVEL LANE WILL BE ALLOWED UNLESS A FLAGGER CONTROLLED LANE CLOSURE IS PROVIDED. SEGMENTS WHERE THESE CONDITIONS OCCUR DURING NON-WORKING HOURS MUST BE PROTECTED WITH TEMPORARY CONCRETE BARRIER. UNLESS AUTHORIZED BY THE ENGINEER, THE CONTRACTOR WILL ONLY BE PAID FOR TEMPORARY CONCRETE BARRIER ALONG SEGMENTS SHOWN IN THE PLANS.

VERTICAL PANELS, TYPE II BARRICADES OR DRUMS WITH STEADY-BURNING LIGHTS SHALL BE REQUIRED TO DELINEATE THE TRAVEL WAY. THE MAXIMUM SPACING SHALL BE 100 FEET, CENTER TO CENTER ALONG TANGENTS (50 FEET ALONG TAPERS); AND 25 FEET, CENTER TO CENTER ALONG RADII TO SIDE ROADS AND ENTRANCES.

THE FOLLOWING TRAFFIC CONTROL STANDARDS ARE THE MINIMUM REQUIREMENTS FOR THE TRAFFIC FOR THIS PROJECT: 701001, 701006, 701011, 701201, 701301, 701321, 701326, 701901 & 704001.



**PRE-STAGE 1 TYPICAL SECTION
FAP ROUTE 316 (IL RTE 26)**

STA 1060+36 TO STA 1063+26

MODEL NUMBER: N/A
FILE NAME: PRE1.SW

Hutchinson Engineering, Inc.
Jacksonville - Peoria - Quad Cities - Shorewood
Since 1945

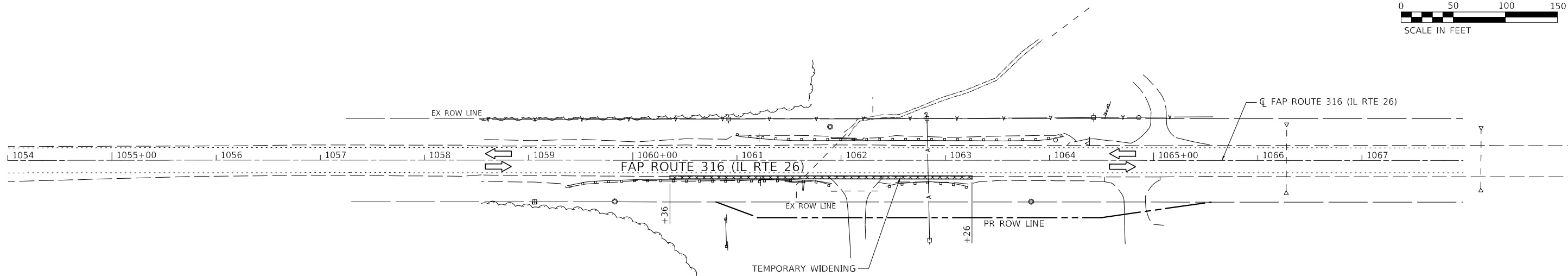
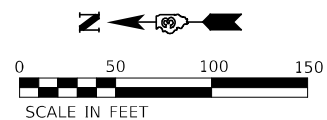
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	DRAWN - RMD	REVISED -
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PLOT DATE = 1/11/2022	DATE - 11/5/2021	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**FAP ROUTE 316 (IL RTE 26)
PRE-STAGE 1 CONSTRUCTION NOTES AND TYPICAL SECTIONS**

SCALE: N/A SHEET 1 OF 1 SHEETS STA. N/A TO STA. N/A

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
316	(114)CR	BUREAU	40	17
CONTRACT NO. 66K35			ILLINOIS FED. AID PROJECT	



LEGEND

- TYPE II BARRICADE, DRUM OR VERTICAL BARRICADE WITH STEADY BURN BI-DIRECTIONAL LIGHT
- ⊥ TYPE III BARRICADE WITH FLASHING LIGHT (2-EA.)
- ⊥ DOUBLE VERTICAL PANEL
- ▨ WORK AREA
- CONSTRUCTION SIGN
- ➔ DIRECTION OF TRAFFIC
- ⊙ FLASHING MONO-DIRECTIONAL LIGHT

MODEL: 1400RELENAME
FILE NAME: 31615

Hutchison Engineering, Inc.
Jacksonville Moline Peoria Shorewood
Since 1945

USER NAME = default	DESIGNED - LDZ	REVISED -
DRAWN - RMD	CHECKED - WLP	REVISED -
PLOT SCALE = \$SCALE\$	DATE - 11/5/2021	REVISED -
PLOT DATE = 1/11/2022		

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**FAP ROUTE 316 (IL RTE 26)
PRESTAGE 1 CONSTRUCTION & TRAFFIC CONTROL**

SCALE: 1"=50' SHEET 1 OF 1 SHEETS STA. 1054+00 TO STA. 1067+97.10

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
316	(114)CR	BUREAU	40	18
CONTRACT NO. 66K35				
ILLINOIS FED. AID PROJECT				

STAGE 1 CONSTRUCTION

INSTALL TRAFFIC CONTROL SIGNING ACCORDING TO IDOT HIGHWAY STANDARD 701321.

AT STA 1061+80, REMOVE EAST HALF OF THE EXISTING BOX CULVERT AS SHOWN IN THE STRUCTURE PLANS AND CONSTRUCT EAST HALF OF THE PROPOSED PIPE CULVERT AS SHOWN IN THE STAGE 1 AND STRUCTURE PLANS.

CONSTRUCT NORTHBOUND PATCH ALONG FAP 316 (IL 26) AT THE PROPOSED CULVERT LOCATION DISCUSSED ABOVE. CONSTRUCT HOT-MIX ASPHALT SHOULDER AND ERECT STEEL PLATE BEAM GUARDRAIL TO THE LIMITS SHOWN IN THE STAGE 1 CONSTRUCTION PLANS.

CONSTRUCT TEMPORARY WIDENING FROM STA 1060+30 TO STA 1061+02 (LT) AS SHOWN IN THE STAGE 1 PLANS (SEE PRE-STAGE 1 TYPICAL FOR TEMPORARY PAVEMENT DETAILS).

TRAFFIC CONTROL AND PROTECTION

TRAFFIC CONTROL AND PROTECTION SHALL BE PERFORMED IN ACCORDANCE WITH THE TRAFFIC CONTROL PLAN, SECTION 701 OF THE STANDARD SPECIFICATIONS AND THE SPECIAL PROVISIONS.

ONE LANE, TWO-WAY TRAFFIC SHALL BE ACCOMMODATED AT ALL TIMES.

EXISTING TRAFFIC CONTROL SIGNS AND DEVICES WILL BE REMOVED BY THE CONTRACTOR AFTER THE PROPOSED TRAFFIC CONTROL REQUIREMENTS ARE MET, OR AS AUTHORIZED BY THE ENGINEER. SIGNS OR DEVICES LEFT IN PLACE AT THIS TIME ARE TO BE PROTECTED FROM DAMAGE BY THE CONTRACTOR.

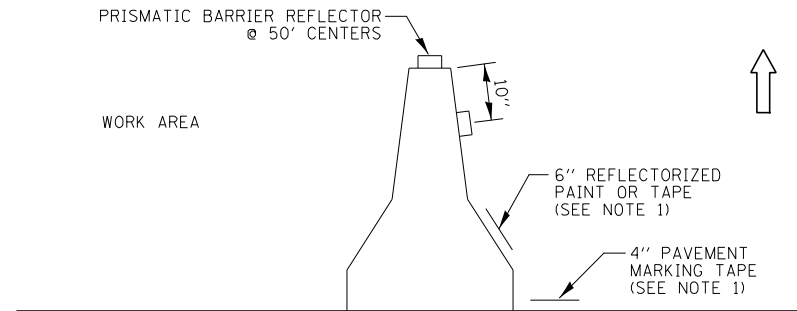
THE CONTRACTOR SHALL SCHEDULE OPERATIONS TO ENSURE THAT NO DROP-OFF OF GREATER THAN 12", WITHIN 3' OF THE TRAVEL LANE, IS PRESENT FOR 48 HOURS OR MORE.

NO DROP-OFF GREATER THAN 24" WITHIN 12' OF THE TRAVEL LANE WILL BE ALLOWED UNLESS A FLAGGER CONTROLLED LANE CLOSURE IS PROVIDED. SEGMENTS WHERE THESE CONDITIONS OCCUR DURING NON-WORKING HOURS MUST BE PROTECTED WITH TEMPORARY CONCRETE BARRIER. UNLESS AUTHORIZED BY THE ENGINEER, THE CONTRACTOR WILL ONLY BE PAID FOR TEMPORARY CONCRETE BARRIER ALONG SEGMENTS SHOWN IN THE PLANS.

VERTICAL PANELS, TYPE II BARRICADES OR DRUMS WITH STEADY-BURNING LIGHTS SHALL BE REQUIRED TO DELINEATE THE TRAVEL WAY. THE MAXIMUM SPACING SHALL BE 100 FEET, CENTER TO CENTER ALONG TANGENTS (50 FEET ALONG TAPERS); AND 25 FEET, CENTER TO CENTER ALONG RADII TO SIDE ROADS AND ENTRANCES.

THE FOLLOWING TRAFFIC CONTROL STANDARDS ARE THE MINIMUM REQUIREMENTS FOR THE TRAFFIC FOR THIS PROJECT: 701001, 701006, 701011, 701201, 701301, 701321, 701326, 701901 & 704001.

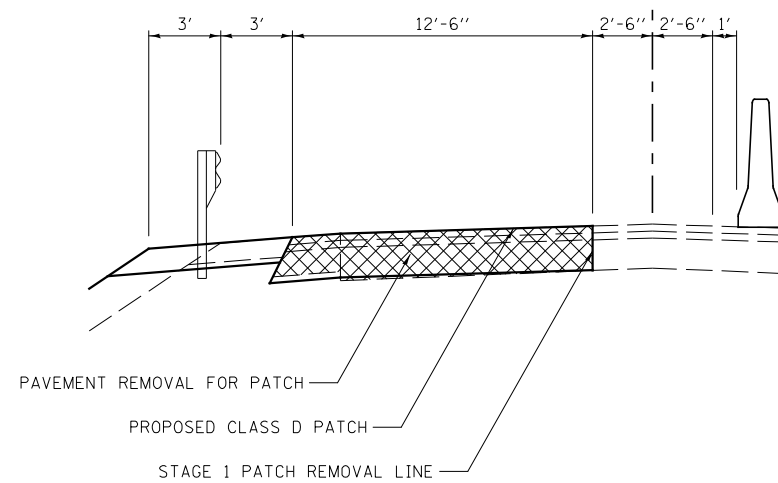
TEMPORARY RUMBLE STRIPS WILL NOT BE REQUIRED FOR SOUTHBOUND TRAFFIC.



NOTES:

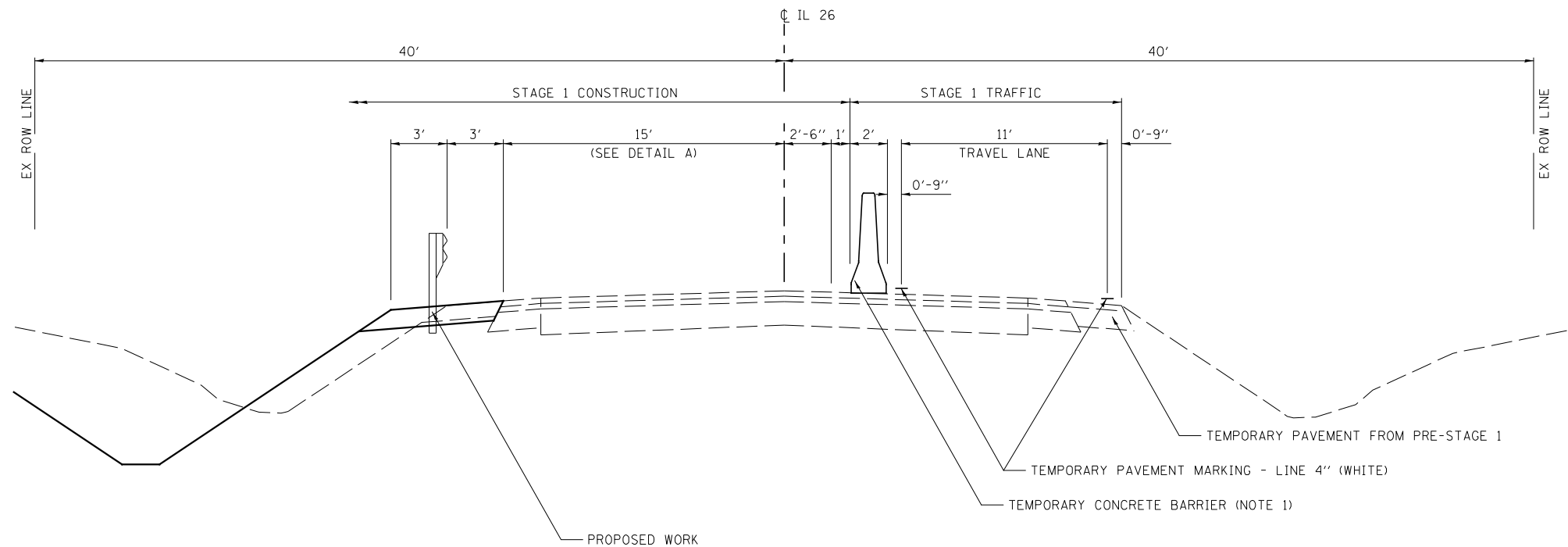
1. THE CONTRACTOR HAS THE OPTION OF USING EITHER THE LINE ON THE TEMPORARY CONCRETE BARRIER OR ON THE PAVEMENT.
2. THE COST OF THE REFLECTORS IS INCLUDED IN THE COST OF THE TEMPORARY CONCRETE BARRIER.

TEMPORARY CONCRETE BARRIER WALL DETAILS



DETAIL A

STA 1061+74 TO STA 1061+90



**STAGE 1 TYPICAL SECTION
FAP ROUTE 316 (IL RTE 26)**

STA 1061+02 TO STA 1063+73

NOTES:

1. TEMPORARY CONCRETE BARRIER TO BE PINNED FROM STA 1061+70 TO STA 1061+94.

MODEL NUMBER/NAME
FILE NAME: ST1E15

Hutchinson Engineering, Inc.
Jacksonville - Peoria - Quad Cities - Shrewood
Since 1945

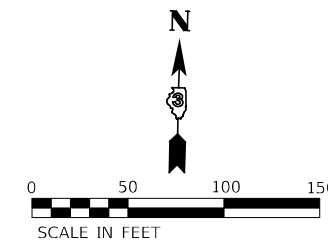
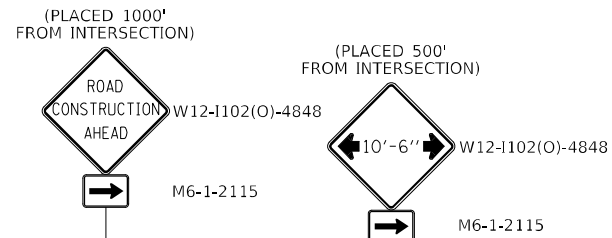
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	DATE - 11/5/2021	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**FAP ROUTE 316 (IL RTE 26)
STAGE 1 CONSTRUCTION NOTES AND TYPICAL SECTIONS**

SCALE: N/A SHEET 1 OF 1 SHEETS STA. N/A TO STA. N/A

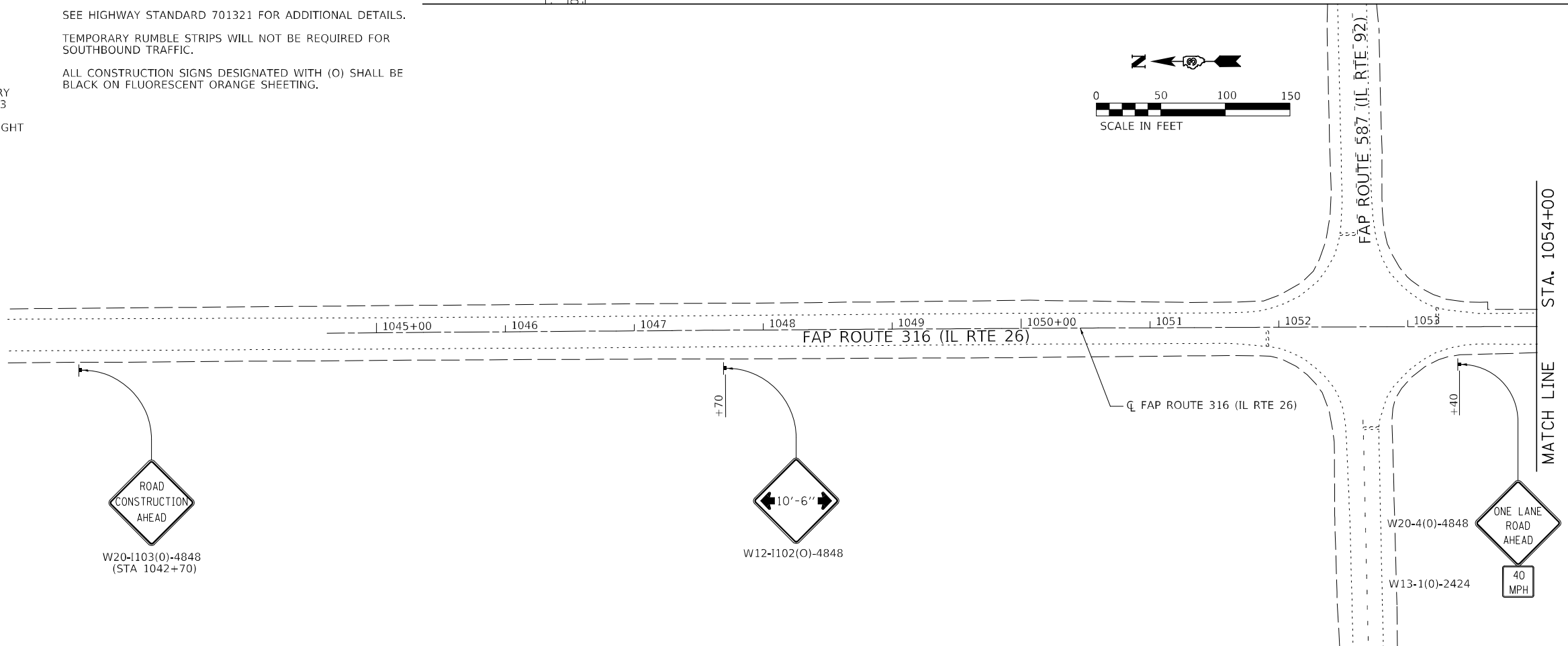
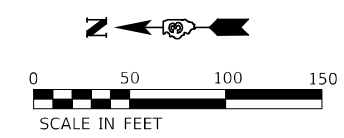
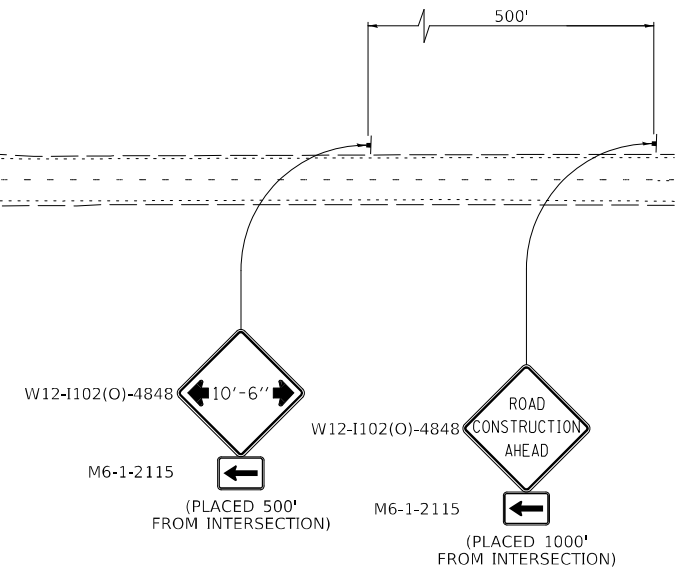
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
316	(114)CR	BUREAU	40	19
CONTRACT NO. 66K35				
ILLINOIS FED. AID PROJECT				



LEGEND

- TYPE II BARRICADE, DRUM OR VERTICAL BARRICADE WITH STEADY BURN BI-DIRECTIONAL LIGHT
- ⊥ TYPE III BARRICADE WITH FLASHING LIGHT (2-EA.)
- ▬ DOUBLE VERTICAL PANEL
- ▨ WORK AREA
- ⊥ CONSTRUCTION SIGN
- ➔ DIRECTION OF TRAFFIC
- ▬ TEMPORARY CONCRETE BARRIER
- ⊙ IMPACT ATTENUATOR, TEMPORARY (NON-REDIRECTIVE) TEST LEVEL 3
- ⚡ FLASHING MONO-DIRECTIONAL LIGHT
- ⚡ PORTABLE TRAFFIC SIGNAL AND MICROWAVE DETECTOR
- ⚡ PORTABLE TRAFFIC SIGNAL

NOTES:
 SEE HIGHWAY STANDARD 701321 FOR ADDITIONAL DETAILS.
 TEMPORARY RUMBLE STRIPS WILL NOT BE REQUIRED FOR SOUTHBOUND TRAFFIC.
 ALL CONSTRUCTION SIGNS DESIGNATED WITH (O) SHALL BE BLACK ON FLUORESCENT ORANGE SHEETING.



MODEL NUMBER: HENR14M15
FILE NAME: ST15

Hutchison Engineering, Inc.
 Jacksonville Moline Peoria Shorewood
 Since 1945

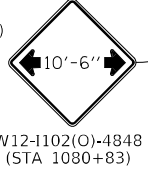
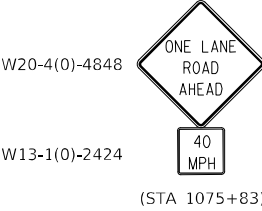
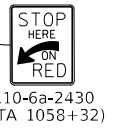
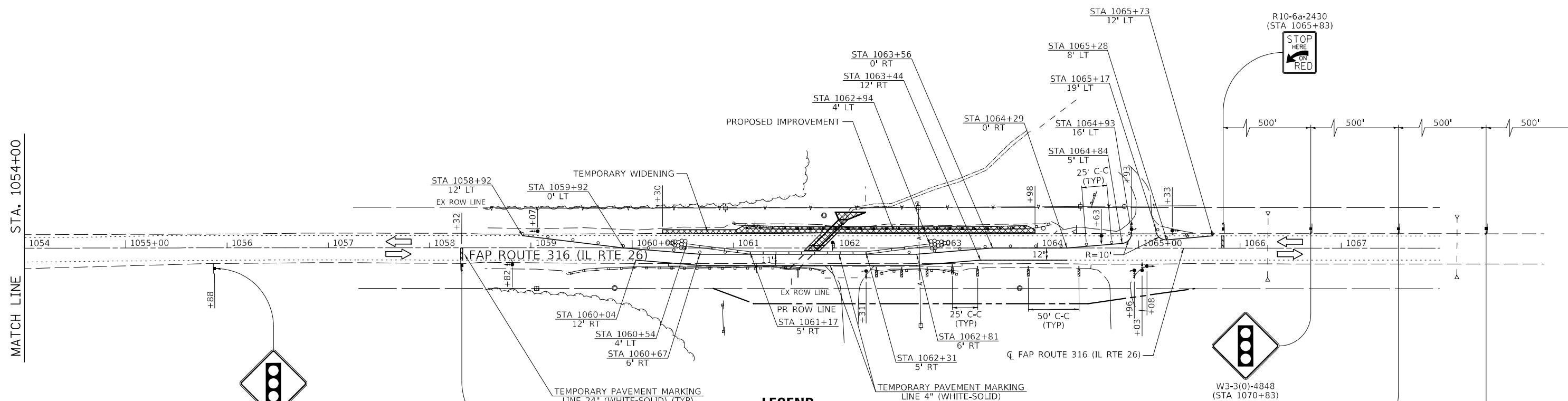
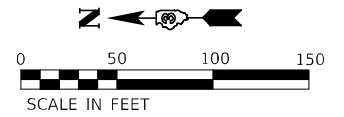
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DRAWN - RMD	REVISED -	
PLOT SCALE = \$SCALE\$	CHECKED - WLP	REVISED -
PLOT DATE = 1/11/2022	DATE - 11/5/2021	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**FAP ROUTE 316 (IL RTE 26)
 STAGE 1 CONSTRUCTION & TRAFFIC CONTROL**

SCALE: 1"=50' SHEET 1 OF 2 SHEETS STA. 1044+61.70 TO STA. 1054+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
316	(114)CR	BUREAU	40	20
CONTRACT NO. 66K35				
ILLINOIS FED. AID PROJECT				



LEGEND

- TYPE II BARRICADE, DRUM OR VERTICAL BARRICADE WITH STEADY BURN BI-DIRECTIONAL LIGHT
- ⊥ TYPE III BARRICADE WITH FLASHING LIGHT (2-EA.)
- ▬ DOUBLE VERTICAL PANEL
- ▨ WORK AREA
- ⊥ CONSTRUCTION SIGN
- ➔ DIRECTION OF TRAFFIC
- ▬ TEMPORARY CONCRETE BARRIER
- ⊗ IMPACT ATTENUATOR, TEMPORARY (NON-REDIRECTIVE) TEST LEVEL 3
- ⚡ FLASHING MONO-DIRECTIONAL LIGHT
- ⬆ PORTABLE TRAFFIC SIGNAL AND MICROWAVE DETECTOR
- ⬇ PORTABLE TRAFFIC SIGNAL

NOTES:
 SEE HIGHWAY STANDARD 701321 FOR ADDITIONAL DETAILS.
 ALL CONSTRUCTION SIGNS DESIGNATED WITH (O) SHALL BE BLACK ON FLUORESCENT ORANGE SHEETING.

MODEL: H000000000000
FILE NAME: ST1515

Hutchinson Engineering, Inc.
 Jacksonville Moline Peoria Shorewood
 Since 1945

USER NAME = default	DESIGNED - LDZ	REVISED -
DRAWN - RMD	REVISED -	
PLOT SCALE = \$SCALES	CHECKED - WLP	REVISED -
PLOT DATE = 1/11/2022	DATE - 11/5/2021	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**FAP ROUTE 316 (IL RTE 26)
 STAGE 1 CONSTRUCTION & TRAFFIC CONTROL**

SCALE: 1"=50' SHEET 2 OF 2 SHEETS STA. 1054+00 TO STA. 1067+97.10

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
316	(114)CR	BUREAU	40	21
CONTRACT NO. 66K35				
ILLINOIS FED. AID PROJECT				

STAGE 2 CONSTRUCTION

INSTALL TRAFFIC CONTROL SIGNING ACCORDING TO IDOT HIGHWAY STANDARD 701321.

AT STA 1061+80, REMOVE WEST HALF OF THE EXISTING BOX CULVERT AS SHOWN IN THE STRUCTURE PLANS AND CONSTRUCT WEST HALF OF THE PROPOSED PIPE CULVERT AS SHOWN IN THE STAGE 1 AND STRUCTURE PLANS.

CONSTRUCT SOUTHBOUND PATCH ALONG FAP 316 (IL 26) AT THE PROPOSED CULVERT LOCATION DISCUSSED ABOVE. CONSTRUCT HOT-MIX ASPHALT SHOULDER AND ERECT STEEL PLATE BEAM GUARDRAIL TO THE LIMITS SHOWN IN THE STAGE 2 CONSTRUCTION PLANS.

TRAFFIC CONTROL AND PROTECTION

TRAFFIC CONTROL AND PROTECTION SHALL BE PERFORMED IN ACCORDANCE WITH THE TRAFFIC CONTROL PLAN, SECTION 701 OF THE STANDARD SPECIFICATIONS AND THE SPECIAL PROVISIONS.

ONE LANE, TWO-WAY TRAFFIC SHALL BE ACCOMMODATED AT ALL TIMES.

EXISTING TRAFFIC CONTROL SIGNS AND DEVICES WILL BE REMOVED BY THE CONTRACTOR AFTER THE PROPOSED TRAFFIC CONTROL REQUIREMENTS ARE MET, OR AS AUTHORIZED BY THE ENGINEER. SIGNS OR DEVICES LEFT IN PLACE AT THIS TIME ARE TO BE PROTECTED FROM DAMAGE BY THE CONTRACTOR.

THE CONTRACTOR SHALL SCHEDULE OPERATIONS TO ENSURE THAT NO DROP-OFF OF GREATER THAN 12", WITHIN 3' OF THE TRAVEL LANE, IS PRESENT FOR 48 HOURS OR MORE.

NO DROP-OFF GREATER THAN 24" WITHIN 12' OF THE TRAVEL LANE WILL BE ALLOWED UNLESS A FLAGGER CONTROLLED LANE CLOSURE IS PROVIDED. SEGMENTS WHERE THESE CONDITIONS OCCUR DURING NON-WORKING HOURS MUST BE PROTECTED WITH TEMPORARY CONCRETE BARRIER. UNLESS AUTHORIZED BY THE ENGINEER, THE CONTRACTOR WILL ONLY BE PAID FOR TEMPORARY CONCRETE BARRIER ALONG SEGMENTS SHOWN IN THE PLANS.

VERTICAL PANELS, TYPE II BARRICADES OR DRUMS WITH STEADY-BURNING LIGHTS SHALL BE REQUIRED TO DELINEATE THE TRAVEL WAY. THE MAXIMUM SPACING SHALL BE 100 FEET, CENTER TO CENTER ALONG TANGENTS (50 FEET ALONG TAPERS); AND 25 FEET, CENTER TO CENTER ALONG RADII TO SIDE ROADS AND ENTRANCES.

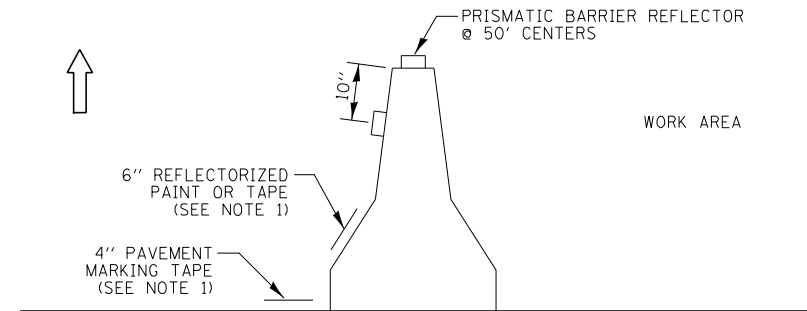
THE FOLLOWING TRAFFIC CONTROL STANDARDS ARE THE MINIMUM REQUIREMENTS FOR THE TRAFFIC FOR THIS PROJECT: 701001, 701006, 701011, 701201, 701301, 701321, 701326, 701901 & 704001.

TEMPORARY RUMBLE STRIPS WILL NOT BE REQUIRED FOR SOUTHBOUND TRAFFIC.

POST STAGE 2 CONSTRUCTION

CONSTRUCT HOT-MIX ASPHALT SURFACE REMOVAL AND HOT-MIX ASPHALT SURFACE COURSE FROM STA 1059+00 TO STA 1065+55.

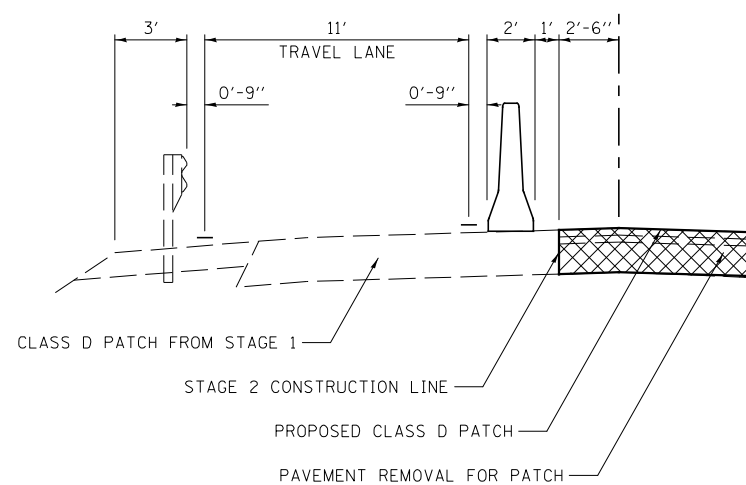
CONSTRUCT COMMERCIAL ENTRANCE AT STA 1062+15.



NOTES:

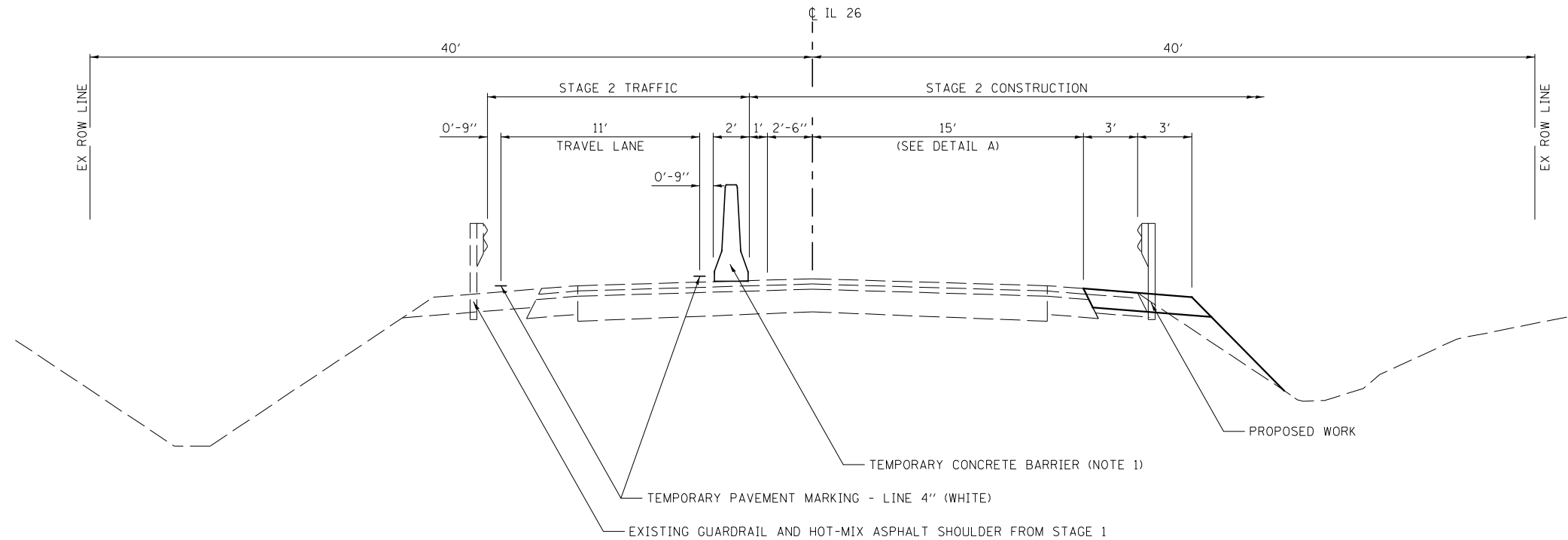
1. THE CONTRACTOR HAS THE OPTION OF USING EITHER THE LINE ON THE TEMPORARY CONCRETE BARRIER OR ON THE PAVEMENT.
2. THE COST OF THE REFLECTORS IS INCLUDED IN THE COST OF THE TEMPORARY CONCRETE BARRIER.

TEMPORARY CONCRETE BARRIER WALL DETAILS



DETAIL A

STA 1061+74 TO STA 1061+90



**STAGE 2 TYPICAL SECTION
FAP ROUTE 316 (IL RTE 26)**

STA 1061+02 TO STA 1063+73

NOTES:

1. TEMPORARY CONCRETE BARRIER TO BE PINNED FROM STA 1061+70 TO STA 1061+94.

MODEL NUMBER: 11/11/2022
FILE NAME: ST115

Hutchinson Engineering, Inc.
Jacksonville - Peoria - Quad Cities - Shorewood
Since 1945

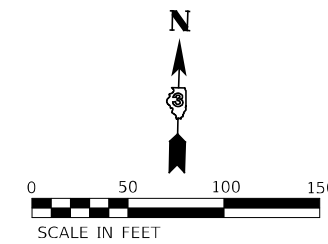
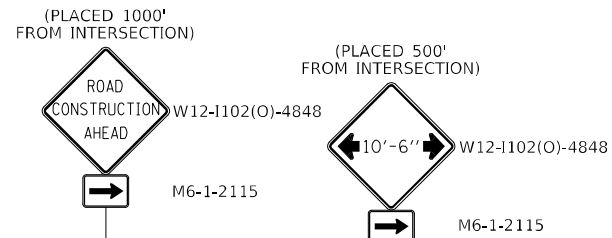
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DRAWN - RMD	CHECKED - WLP	REVISED -
PLOT SCALE = \$SCALES	DATE - 11/5/2021	REVISED -
PLOT DATE = 1/11/2022		

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**FAP ROUTE 316 (IL RTE 26)
STAGE 2 CONSTRUCTION NOTES AND TYPICAL SECTIONS**

SCALE: N/A SHEET 1 OF 1 SHEETS STA. N/A TO STA. N/A

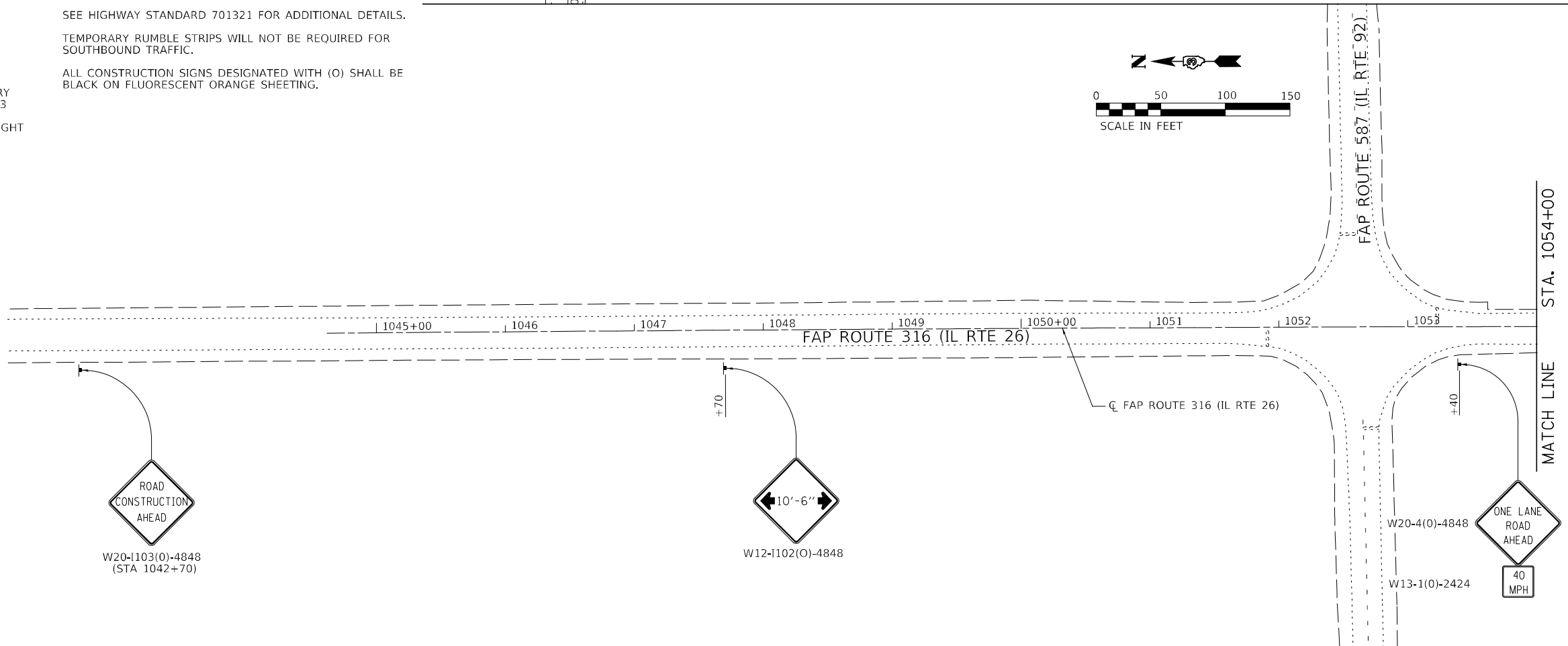
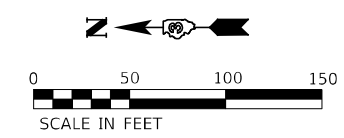
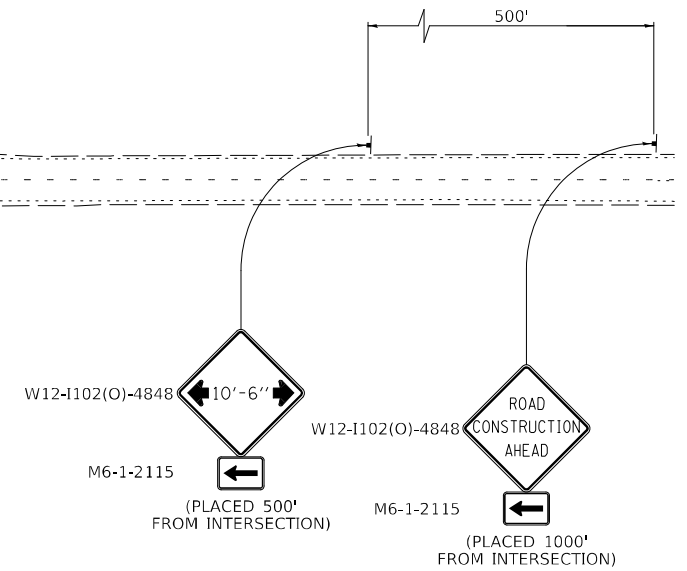
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
316	(114)CR	BUREAU	40	22
CONTRACT NO. 66K35				
ILLINOIS FED. AID PROJECT				



LEGEND

- TYPE II BARRICADE, DRUM OR VERTICAL BARRICADE WITH STEADY BURN BI-DIRECTIONAL LIGHT
- ⊥ TYPE III BARRICADE WITH FLASHING LIGHT (2-EA.)
- ▬ DOUBLE VERTICAL PANEL
- ▨ WORK AREA
- ⊥ CONSTRUCTION SIGN
- ➔ DIRECTION OF TRAFFIC
- ▬ TEMPORARY CONCRETE BARRIER
- ⊙ IMPACT ATTENUATOR, TEMPORARY (NON-REDIRECTIVE) TEST LEVEL 3
- ⚡ FLASHING MONO-DIRECTIONAL LIGHT
- ⚡ PORTABLE TRAFFIC SIGNAL AND MICROWAVE DETECTOR
- ⚡ PORTABLE TRAFFIC SIGNAL

NOTES:
 SEE HIGHWAY STANDARD 701321 FOR ADDITIONAL DETAILS.
 TEMPORARY RUMBLE STRIPS WILL NOT BE REQUIRED FOR SOUTHBOUND TRAFFIC.
 ALL CONSTRUCTION SIGNS DESIGNATED WITH (O) SHALL BE BLACK ON FLUORESCENT ORANGE SHEETING.



MODEL NUMBER: HEMMS FILES: HEMMS FILES

Hutchison Engineering, Inc.
 Jacksonville Moline Peoria Shorewood
 Since 1945

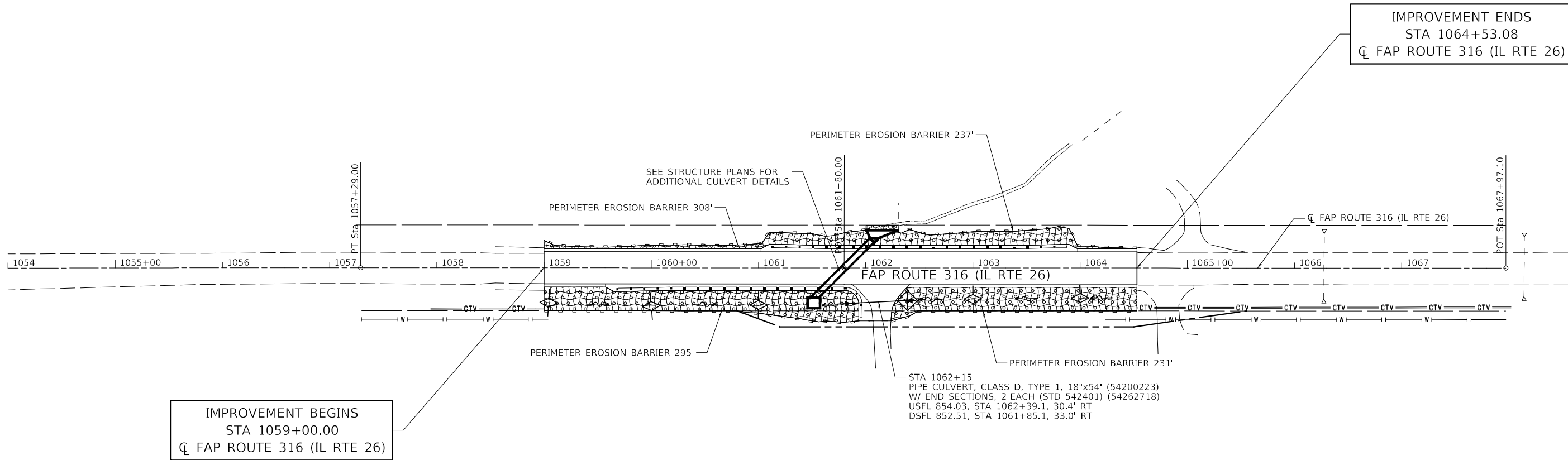
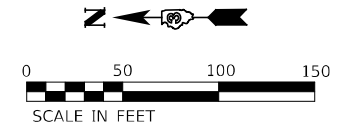
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DRAWN - RMD	REVISED -	
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PLOT DATE = 1/11/2022	DATE - 11/5/2021	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**FAP ROUTE 316 (IL RTE 26)
 STAGE 2 CONSTRUCTION & TRAFFIC CONTROL**

SCALE: 1"=50' SHEET 1 OF 2 SHEETS STA. 1044+61.70 TO STA. 1054+00







F.A.P. RTE. 316	SECTION (114)CR	COUNTY BUREAU	TOTAL SHEETS 40	SHEET NO. 23
CONTRACT NO. 66K35			ILLINOIS FED. AID PROJECT	



IMPROVEMENT BEGINS
STA 1059+00.00
CL FAP ROUTE 316 (IL RTE 26)

IMPROVEMENT ENDS
STA 1064+53.08
CL FAP ROUTE 316 (IL RTE 26)

LANDSCAPING AND EROSION CONTROL LEGEND

-  PERIMETER EROSION BARRIER (28000400)
-  TEMPORARY DITCH CHECKS (28000305)
-  INLET AND PIPE PROTECTION (28000500)
-  SEEDING, CLASS 2A (25000210)
-  EROSION CONTROL BLANKET (25100630)
-  STONE RIPRAP, CLASS A4 (28100107)

MODEL: 1400BLENAMES
FILE NAME: 316E15

Hutchison Engineering, Inc.
Jacksonville Moline Peoria Shorewood
Since 1945

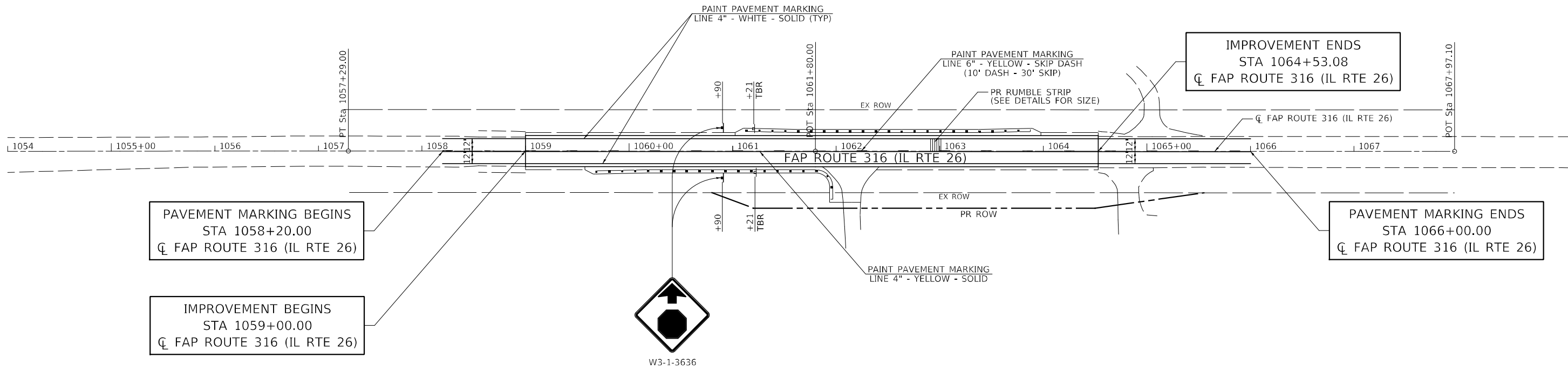
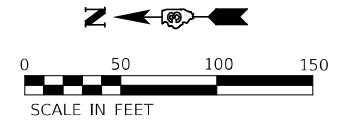
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PLOT DATE = 1/11/2022	DATE - 11/5/2021	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**FAP ROUTE 316 (IL RTE 26)
EROSION CONTROL & DRAINAGE PLAN**

SCALE: 1"=50' SHEET 1 OF 1 SHEETS STA. 1054+00 TO STA. 1067+97.10

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
316	(114)CR	BUREAU	40	25
CONTRACT NO. 66K35				
ILLINOIS FED. AID PROJECT				



PAVEMENT MARKING BEGINS
STA 1058+20.00
☒ FAP ROUTE 316 (IL RTE 26)

IMPROVEMENT BEGINS
STA 1059+00.00
☒ FAP ROUTE 316 (IL RTE 26)

PAVEMENT MARKING ENDS
STA 1066+00.00
☒ FAP ROUTE 316 (IL RTE 26)

IMPROVEMENT ENDS
STA 1064+53.08
☒ FAP ROUTE 316 (IL RTE 26)



W3-1-3636

MODEL: 1400ELEM14M15
FILE NAME: 31615

Hutchison Engineering, Inc.
Jacksonville Moline Peoria Shorewood
Since 1945

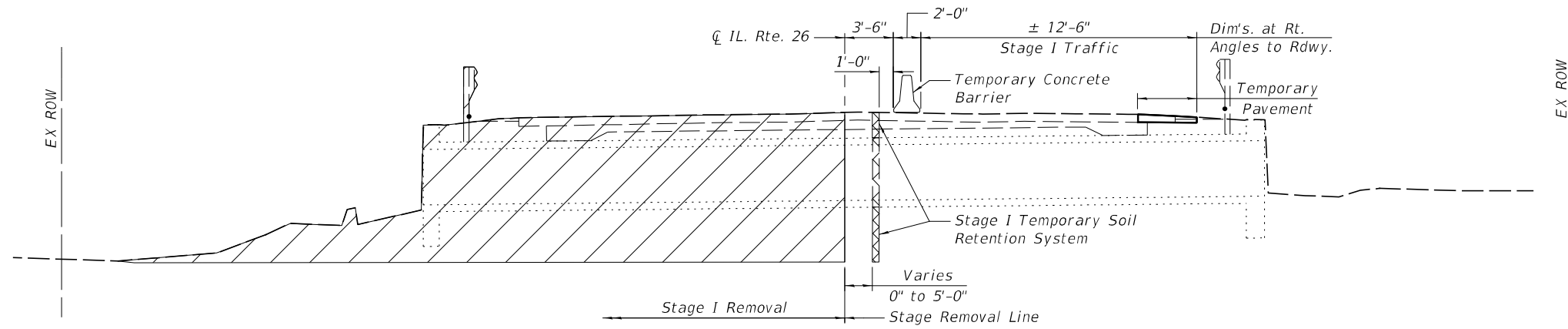
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PLOT DATE = 1/11/2022		

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

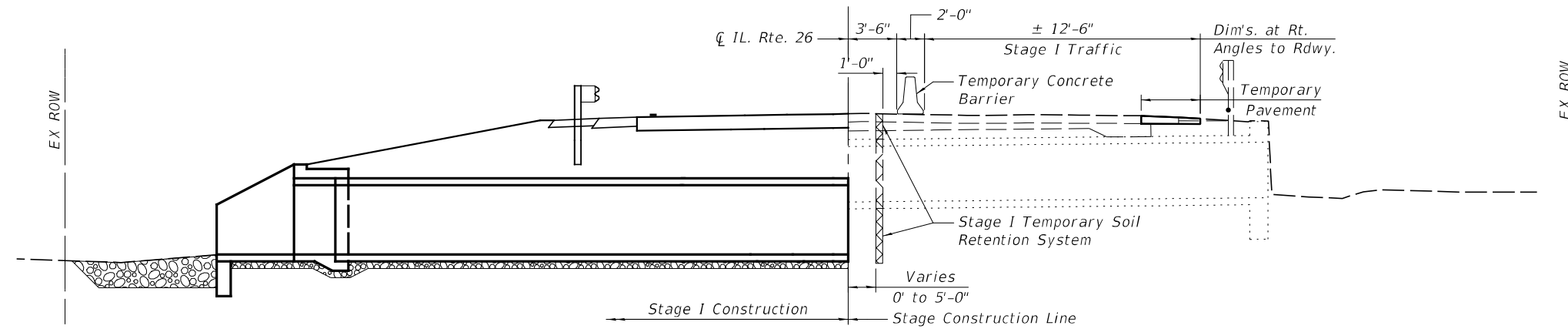
**FAP ROUTE 316 (IL RTE 26)
PAVEMENT MARKING & SIGNING PLAN**

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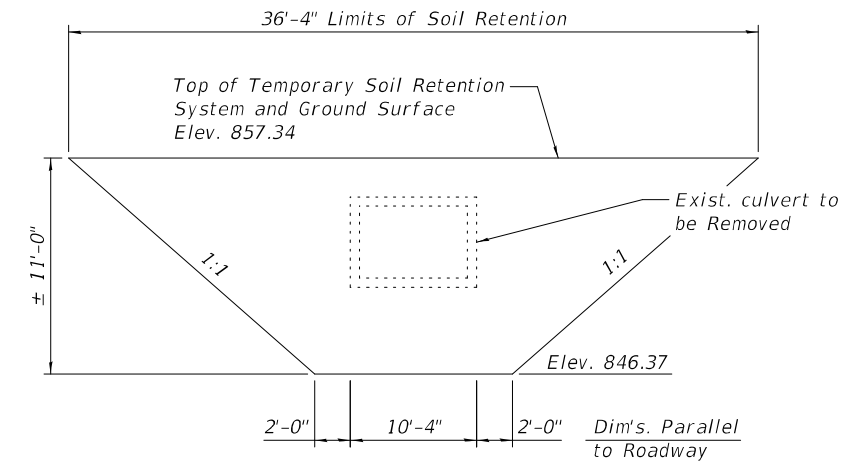
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
316	(114)CR		40	26
CONTRACT NO. 66K35			ILLINOIS FED. AID PROJECT	



STAGE I REMOVAL
Looking (South)



STAGE I CONSTRUCTION
Looking (South)



STAGE I TEMPORARY SOIL RETENTION SYSTEM

Note: the sketch above represents an estimated area of retained soil near the staged construction line for a single stage of construction. Per the IDOT Standard Specifications Article 522.07, all labor and material necessary to design and construct a soil retention system and any modifications to the soil retention system required for additional stages of construction shall be included in the unit price for the Temporary Soil Retention System.

MODEL: 134021ENR1M15
FILE NAME: 31E15



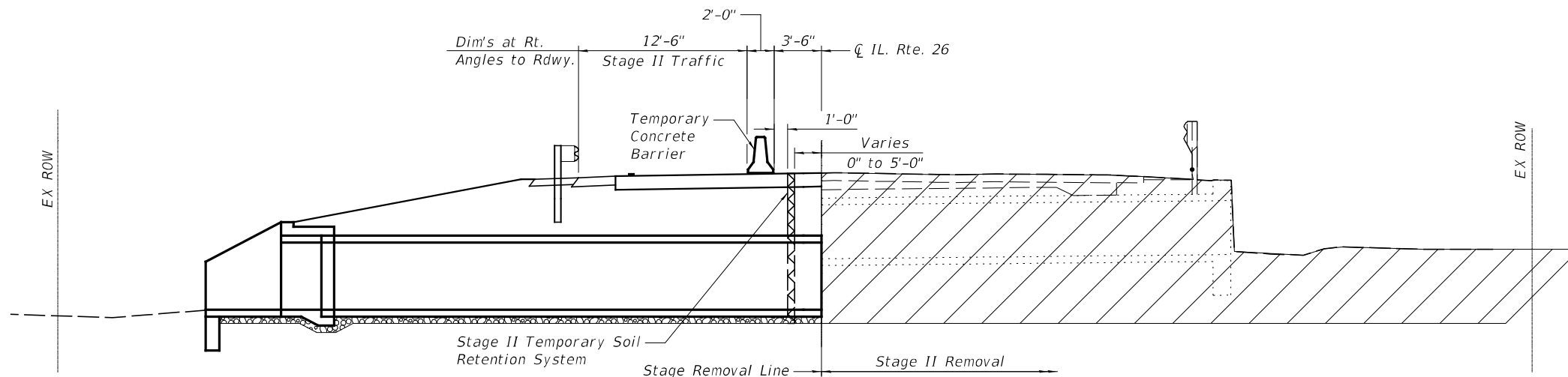
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PLOT SCALE =	DRAWN - WJH	REVISED -
PLOT DATE = 1/11/2022	CHECKED - AEU	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

STAGE CONSTRUCTION DETAILS

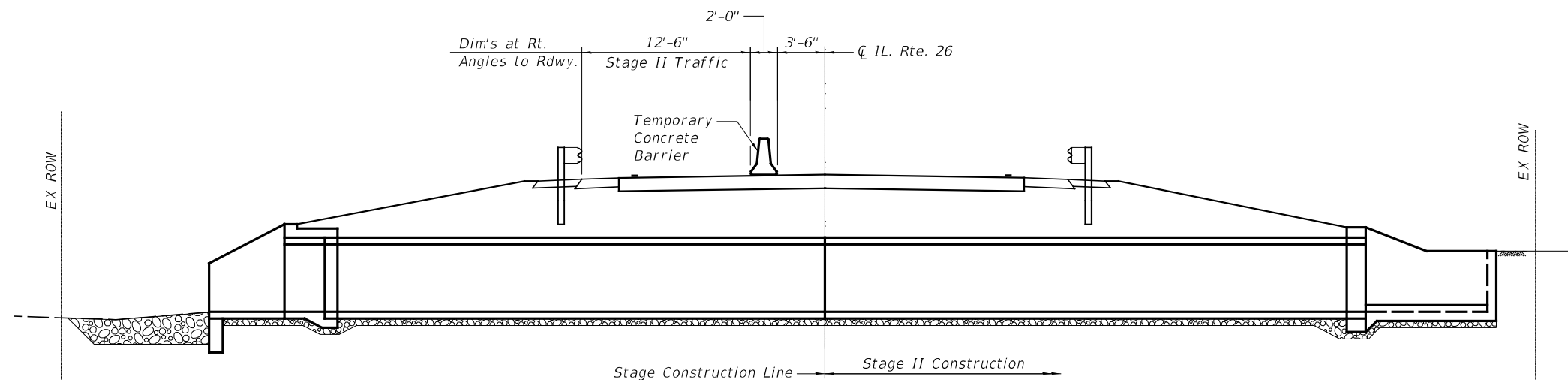
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
316	(114)ES	BUREAU	40	29
CONTRACT NO. 66K35				
ILLINOIS FED. AID PROJECT				



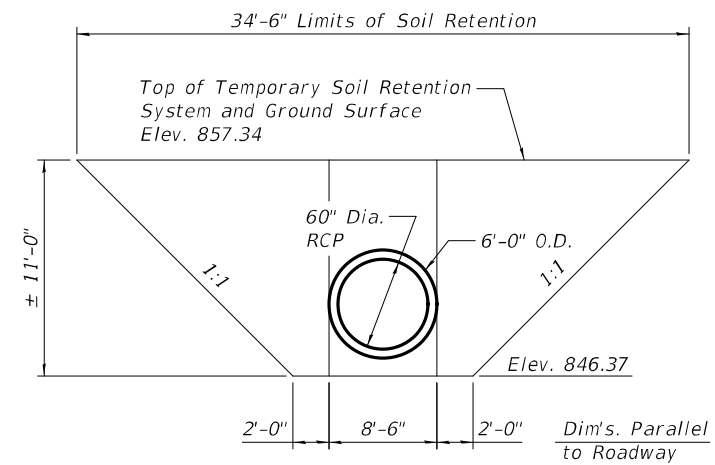
STAGE II REMOVAL

Looking (South)



STAGE II CONSTRUCTION

Looking (South)



STAGE II TEMPORARY SOIL RETENTION SYSTEM

Note: the sketch above represents an estimated area of retained soil near the staged construction line for a single stage of construction. Per the IDOT Standard Specifications Article 522.07, all labor and material necessary to design and construct a soil retention system and any modifications to the soil retention system required for additional stages of construction shall be included in the unit price for the Temporary Soil Retention System.

MODEL: 14001614M16
FILE NAME: 01615



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PLOT DATE = 1/11/2022	DRAWN - WJH	REVISED -
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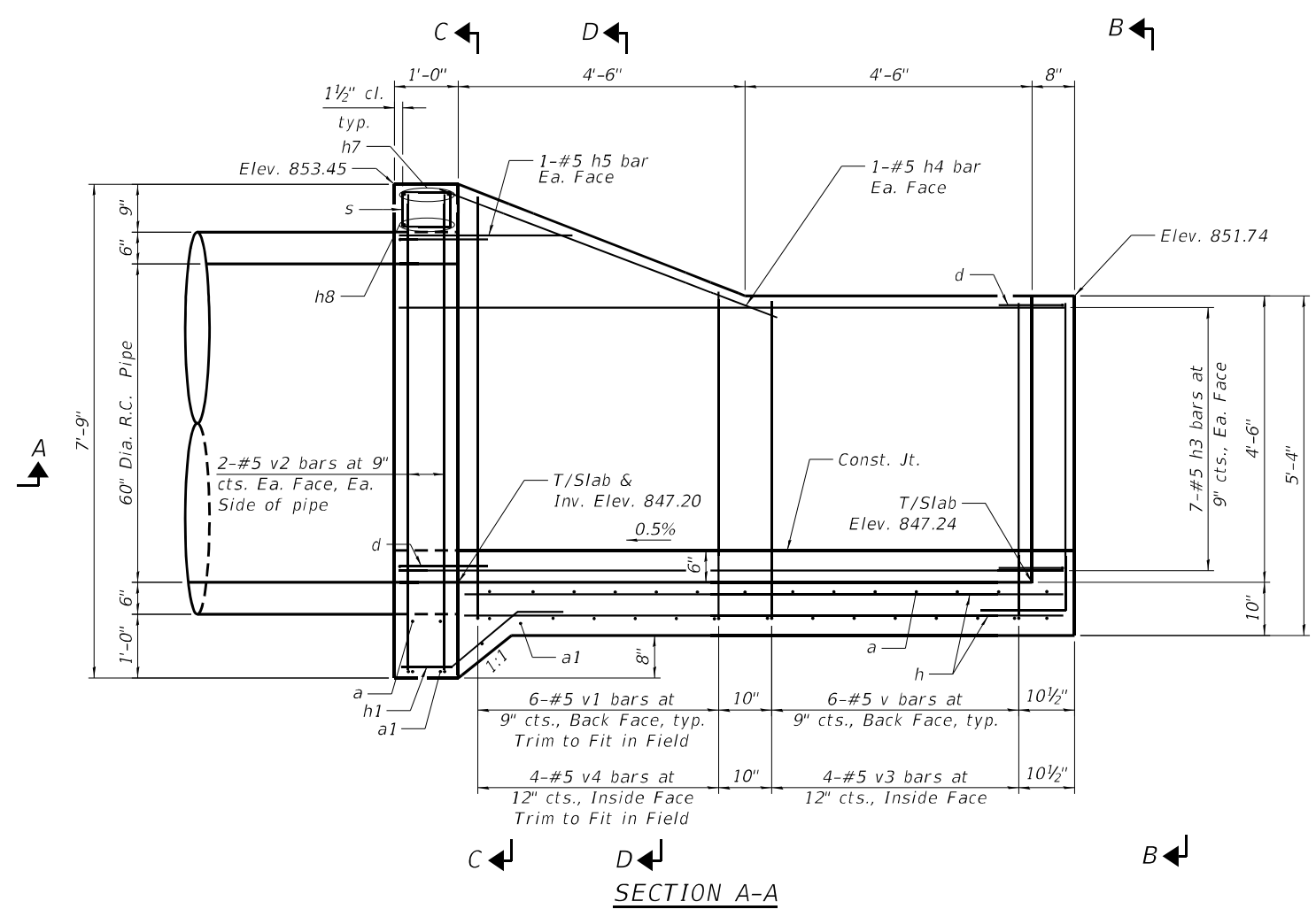
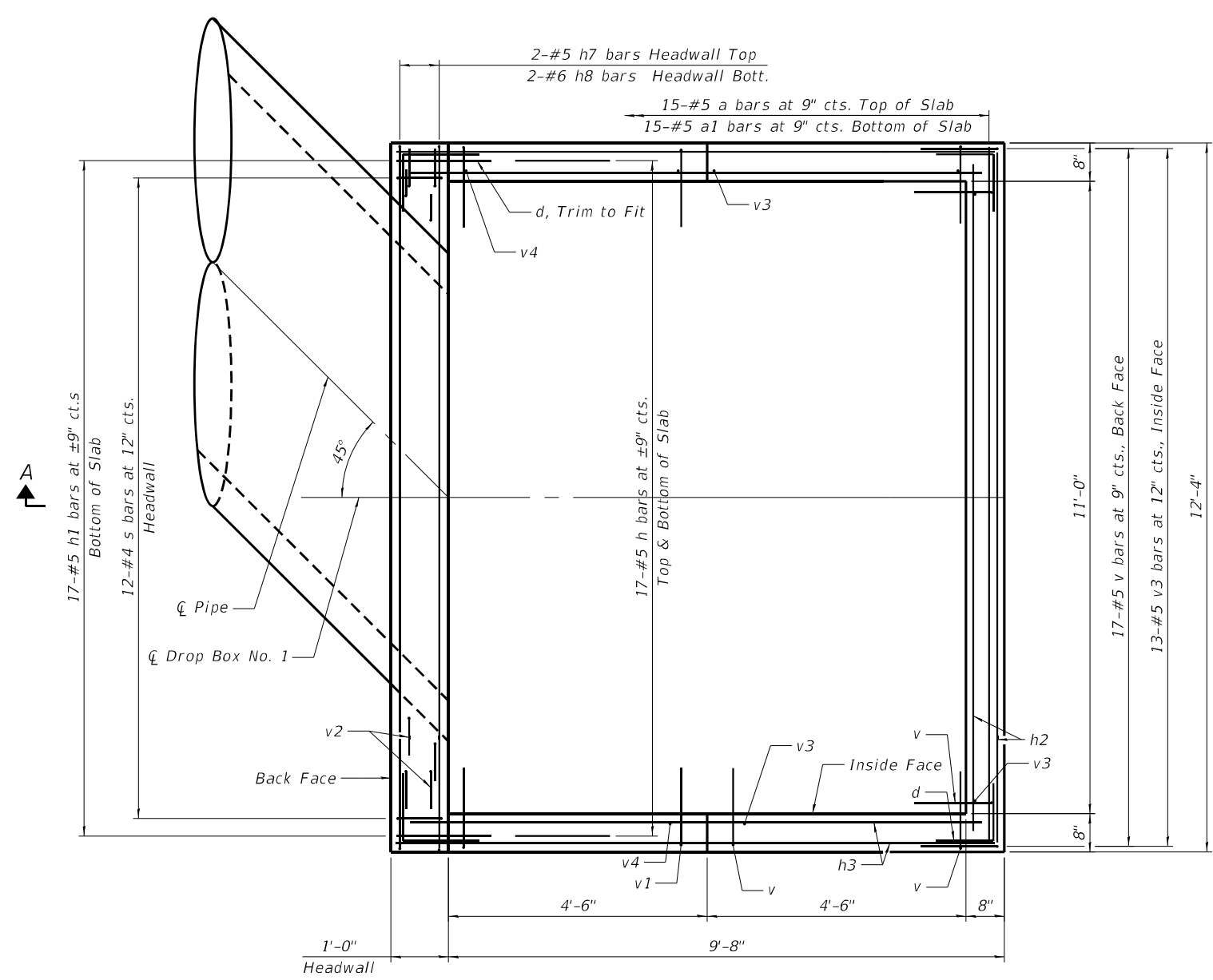
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

STAGE CONSTRUCTION DETAILS

SHEET NO. 5-4 OF 5-7 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
316	(114)ES	BUREAU	40	30
CONTRACT NO. 66K35			ILLINOIS FED. AID PROJECT	

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 HRGreen.com
 Illinois Professional Design Firm
 #184-001322
 HRGreen



GENERAL NOTES

- The contract unit price per Cubic Yard for Concrete Box Culverts shall include the Concrete, Earth Excavation, backfilling and necessary grading to construct the drop box as shown.
- This work shall be done according to the applicable portions of 501, 503, 505, 508, and 540 of the Standard Specifications.
- See Section C-C, Section D-D and View B-B on Sheet S-5 of S-7 for reinforcement clearance.

USER NAME = w/hood	DESIGNED - JMW	REVISED -
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PLOT DATE = 1/14/2022	DRAWN - WJH	REVISED -
	CHECKED - AEU	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DROP BOX
PLAN AND ELEVATION

SHEET NO. S-5 OF S-7 SHEETS

F.A.P. RTE. 316	SECTION (114)ES	COUNTY BUREAU	TOTAL SHEETS 40	SHEET NO. 31
CONTRACT NO. 66K35			ILLINOIS FED. AID PROJECT	



Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Page 1 of 1

Date 4/13/07

ROUTE FAP 316 (IL 26) DESCRIPTION IL 26 over a Stream, 0.20 miles South of IL 92 LOGGED BY Larry Myers

SECTION (114) LOCATION NE 1/4, SEC. 16, TWP. 18N, RNG. 09E,
Latitude , Longitude

COUNTY Bureau DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME Automatic

STRUCT. NO.	Station	DEPTH (ft)	BLOW (6")	UCS (tsf)	MOIST (%)	Surface Water Elev. ft	Stream Bed Elev. ft	DEPTH (ft)	BLOW (6")	UCS (tsf)	MOIST (%)
006-2515	1061+80					851.80					
BORING NO. 1 (N.E. Quad.)											
Station 1061+66											
Offset 17.0 ft Lt.											
Ground Surface Elev. 856.92 ft											
Augered Brown Shoulder Stone, Brown Silty Clay Fill											
854.42											
Stiff Dark Brown Silty Clay Loam Fill											
852.42											
Stiff Black to Brown Silty Clay Fill?											
849.92											
Stiff Black Clay / Silty Clay Fill?											
846.92 -10											
Stiff Gray / Brown Silty Clay Loam											
844.42											
Very Stiff Gray Sandy Loam with Layers of Sandy Clay Loam & Sand / Gravel & Silt Pockets											
839.92											
Very Stiff Brownish Gray Sandy Clay Loam Till											
End of Boring											

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, form 137 (Rev. 8-99)



Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Page 1 of 1

Date 4/13/07

ROUTE FAP 316 (IL 26) DESCRIPTION IL 26 over a Stream, 0.20 miles South of IL 92 LOGGED BY Larry Myers

SECTION (114) LOCATION NE 1/4, SEC. 16, TWP. 18N, RNG. 09E,
Latitude , Longitude

COUNTY Bureau DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME Automatic

STRUCT. NO.	Station	DEPTH (ft)	BLOW (6")	UCS (tsf)	MOIST (%)	Surface Water Elev. ft	Stream Bed Elev. ft	DEPTH (ft)	BLOW (6")	UCS (tsf)	MOIST (%)
006-2515	1061+80					851.80					
BORING NO. 2 (N.W. Quad.)											
Station 1061+63											
Offset 15.0 ft Lt.											
Ground Surface Elev. 857.23 ft											
Augered Brown Shoulder Stone, Brown Silty Clay Fill											
854.73											
Stiff Brown Silty Clay Loam, Silty Clay Fill											
850.23											
Stiff Brown, Gray, Green Sandy Clay Loam / Sandy Loam Fill?											
847.73											
Stiff Brown / Gray Silty Clay Loam / Silty Loam											
845.23											
Very Stiff Brownish Gray Sandy Clay Loam Till											
Layers of Sandy Loam at 15 Ft.											
820.73											
End of Boring											

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, form 137 (Rev. 8-99)

MODEL: 1300RELENAME
FILE NAME: SHEETS



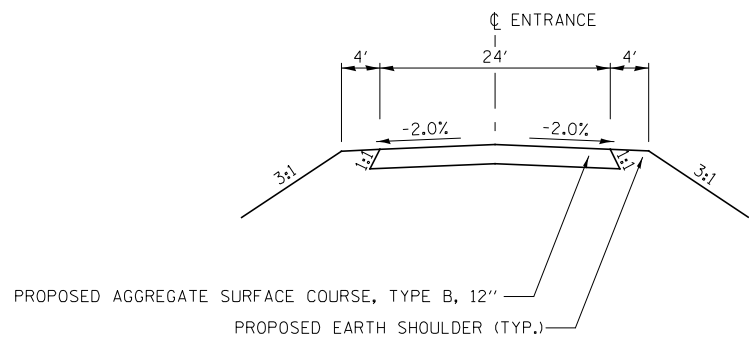
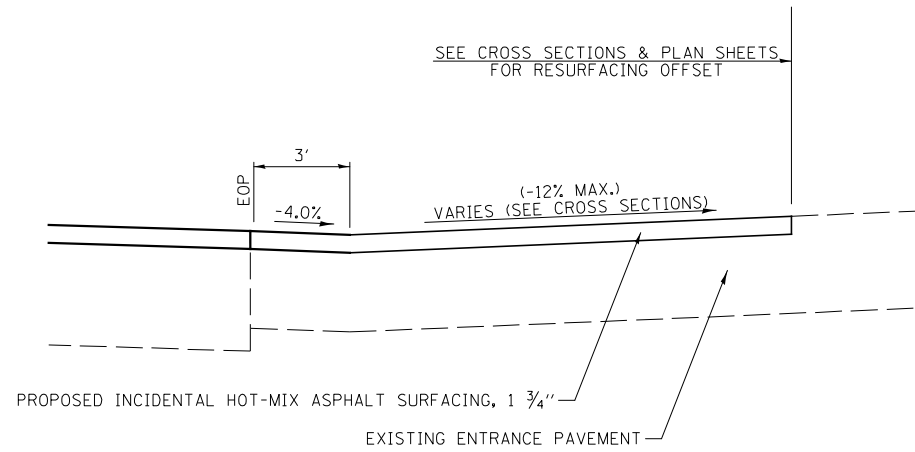
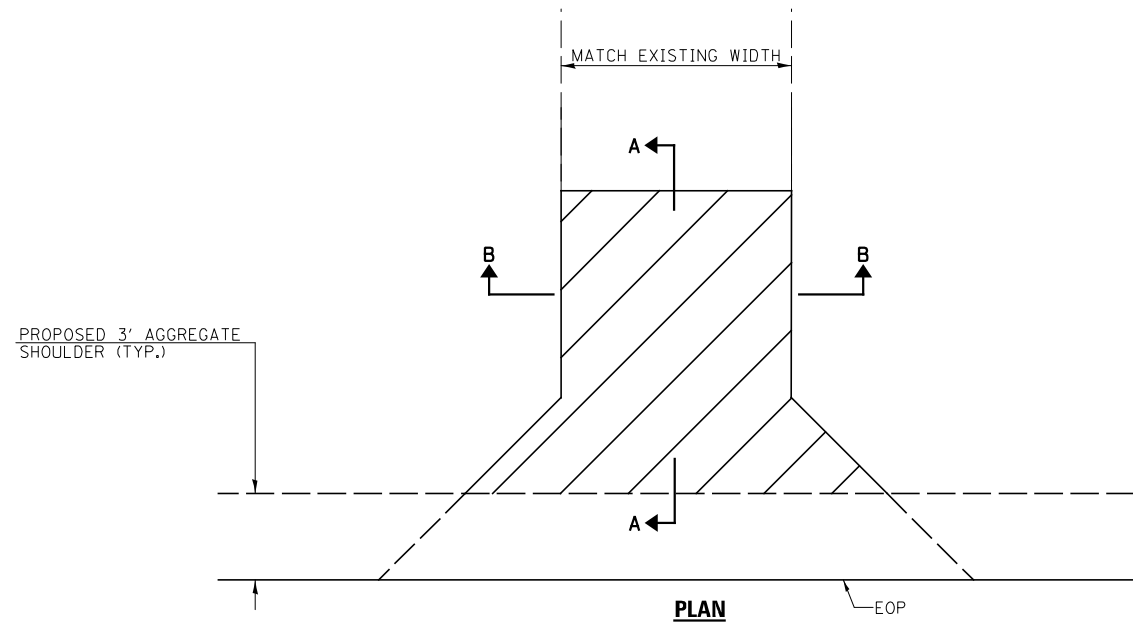
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

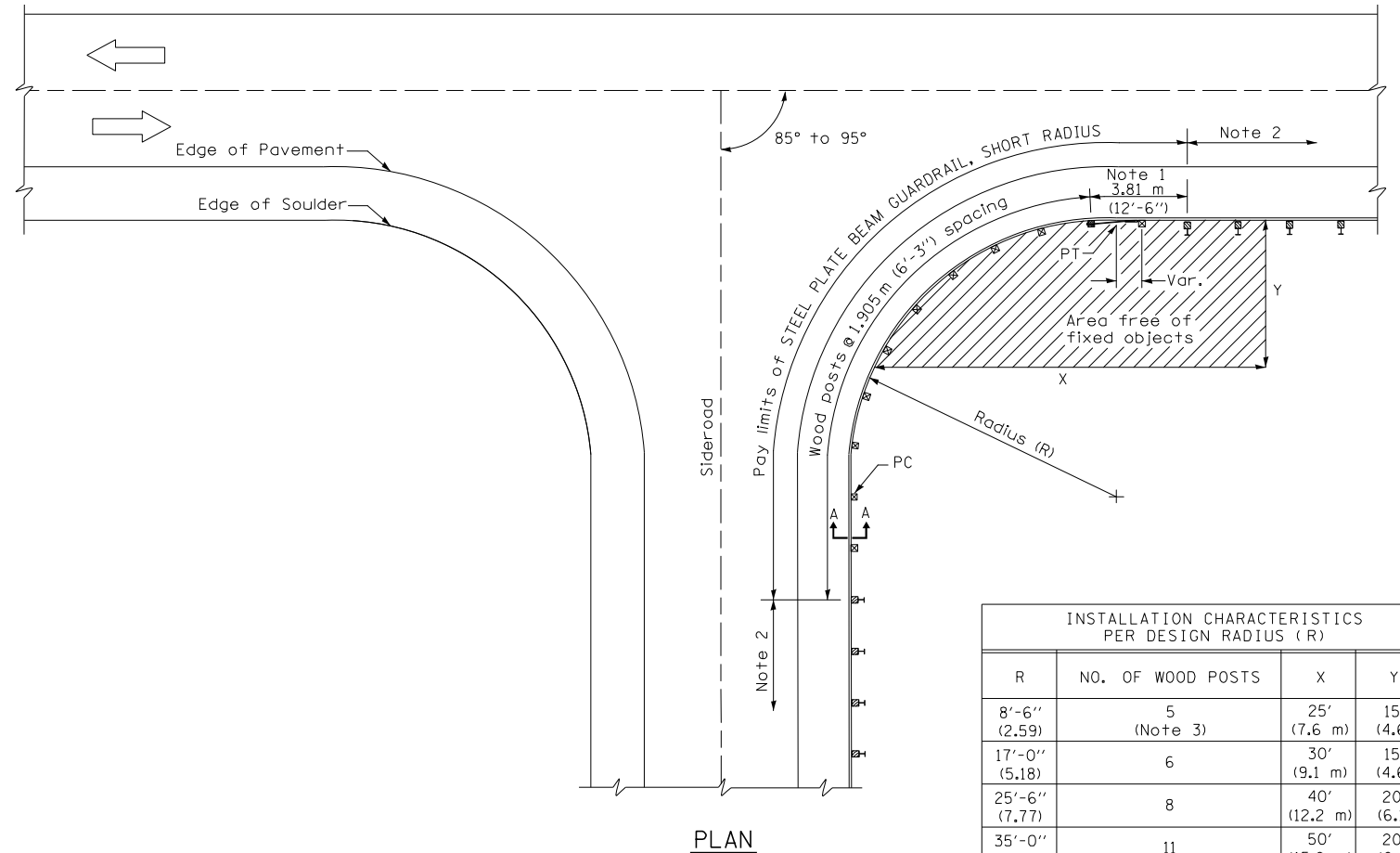
SOIL BORING LOGS

SHEET NO. 5-7 OF 5-7 SHEETS

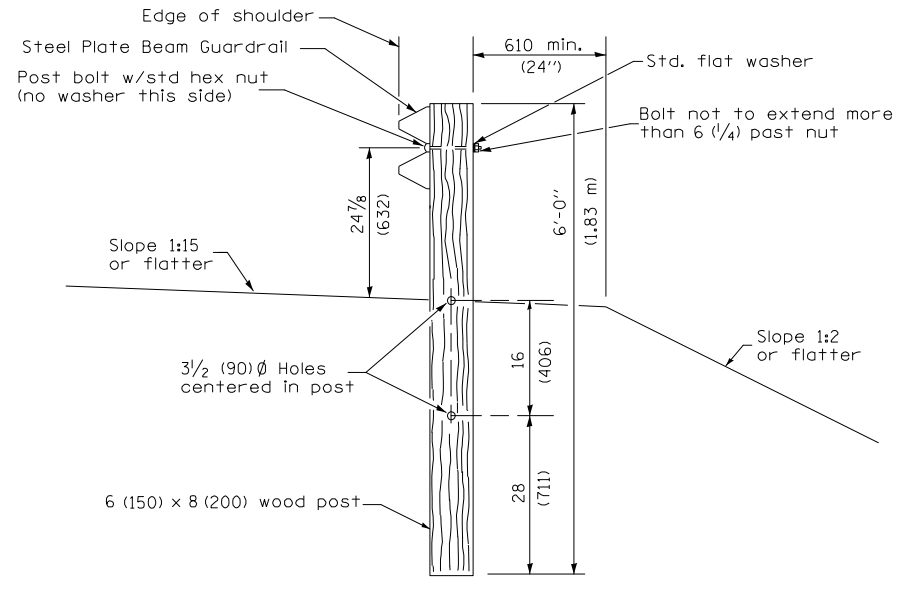
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
316	(114)ES	BUREAU	40	33
CONTRACT NO. 66K35				
ILLINOIS FED. AID PROJECT				



COMMERCIAL ENTRANCE (CE) DETAILS



INSTALLATION CHARACTERISTICS PER DESIGN RADIUS (R)			
R	NO. OF WOOD POSTS	X	Y
8'-6" (2.59)	5 (Note 3)	25' (7.6 m)	15' (4.6)
17'-0" (5.18)	6	30' (9.1 m)	15' (4.6)
25'-6" (7.77)	8	40' (12.2 m)	20' (6.1)
35'-0" (10.67)	11	50' (15.2 m)	20' (6.1)



- Notes:
- Construct according to Standard 631011 for Traffic Barrier Terminal Type 2, except delete end section and splice into radius guardrail.
 - Steel Plate Beam Guardrail Type A, Type B, or Traffic Barrier Terminal as specified.
 - For the 8'-6" (2.59 m) radius, the rail is not bolted to the post located at the midpoint of the curve.

GENERAL NOTES

All slope ratios are expressed as units of vertical displacement to units of horizontal displacement (V:H).
All dimensions are in inches (millimeters) unless otherwise shown.

STEEL PLATE BEAM GUARDRAIL, SHORT RADIUS

MODEL: 1400RENAME
FILE NAME: STEELS

Hutchison Engineering, Inc.
Jacksonville Moline Peoria Shorewood
Since 1945

USER NAME = default	DESIGNED - LDZ	REVISED -
PLOT SCALE = \$SCALES	DRAWN - RMD	REVISED -
PLOT DATE = 1/11/2022	CHECKED - WLP	REVISED -
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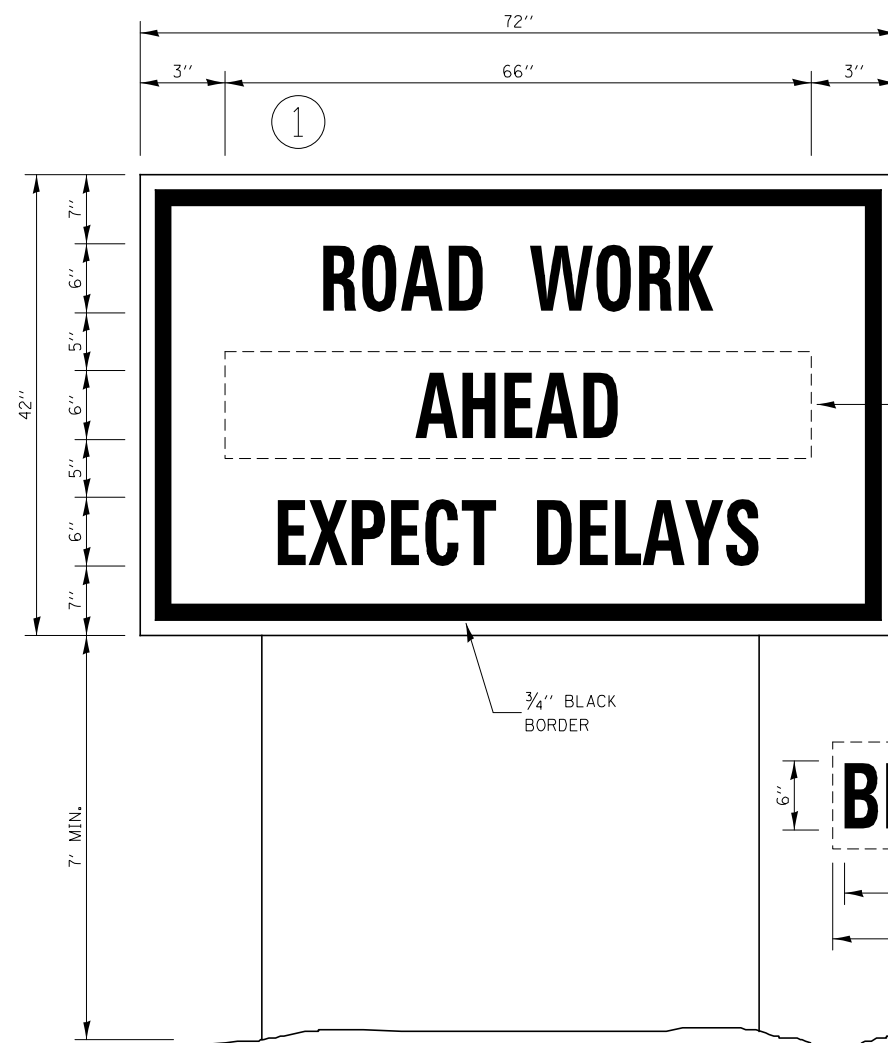
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**FAP ROUTE 316 (IL RTE 26)
MISCELLANEOUS DETAILS**

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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
316	(114)CR	BUREAU	40	34
CONTRACT NO. 66K35				
ILLINOIS FED. AID PROJECT				

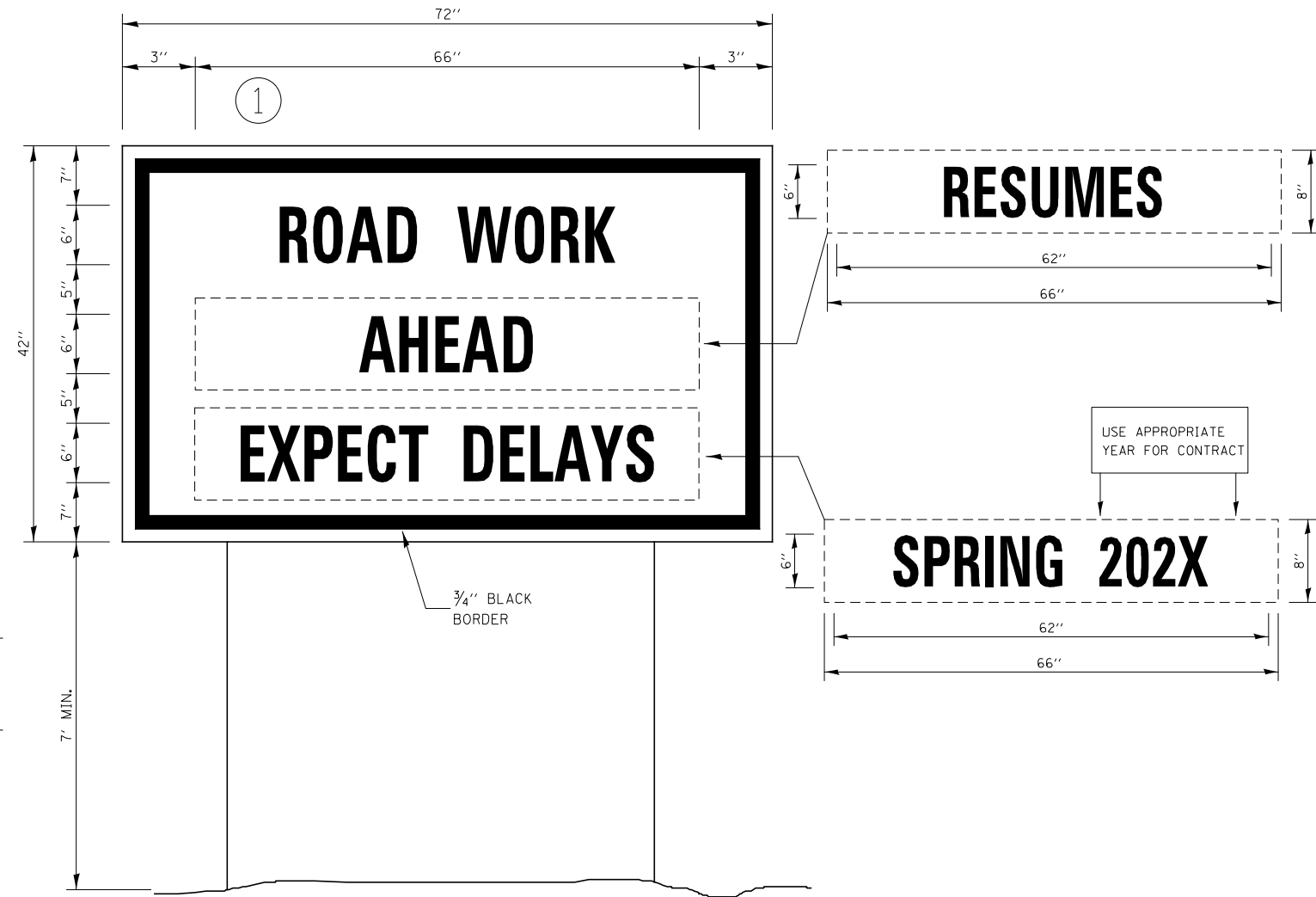
BDE Memo 36-03 Attachment A



TEMPORARY INFORMATION SIGNING

NOTES:

1. USE 6" D BLACK LETTERING ON FLOURESENT ORANGE BACKGROUND.
2. ERECT SIGNS AT LOCATIONS IN ADVANCE OF THE "ROAD CONSTRUCTION AHEAD" SIGNS AS DIRECTED BY THE ENGINEER.
3. ERECT SIGN ① WITH INSTALLED PANEL ② A MINIMUM OF ONE WEEK PRIOR TO THE START OF THE LANE CLOSURE.
4. REMOVE PANEL ② ON THAT DATE.
5. SEE SPECIAL PROVISION "TEMPORARY INFORMATION SIGNING" FOR ADDITIONAL INFORMATION.
6. WILL BE PAID FOR PER SQ FT AS "TEMPORARY INFORMATION SIGNING". EACH SIGN = 21 SQ FT AND THE DATE PANEL ② WILL NOT BE MEASURED SEPARATELY FOR PAYMENT.



WINTER SHUT DOWN SIGNING

MODEL: 1400REINFORMS
FILE NAME: ST1515

Hutchinson Engineering, Inc.
Jacksonville Moline Peoria Shorewood
Since 1945

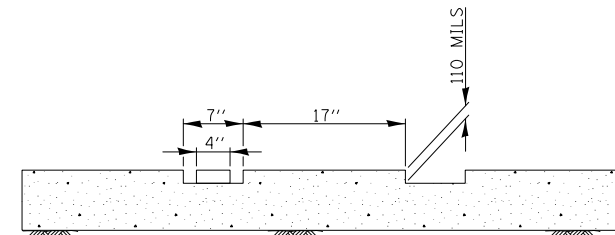
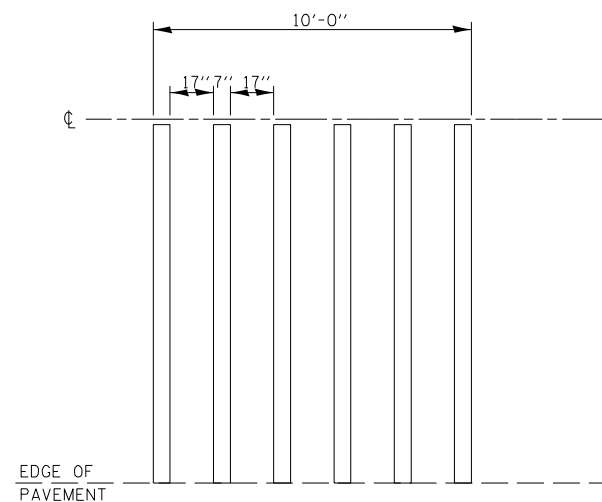
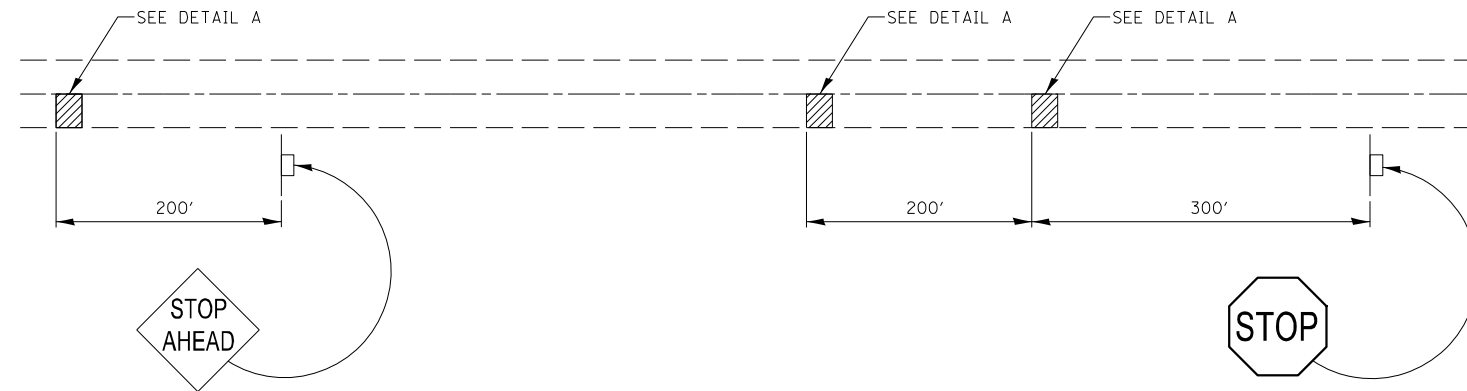
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	DATE - 11/5/2021	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**FAP ROUTE 316 (IL RTE 26)
MISCELLANEOUS DETAILS**

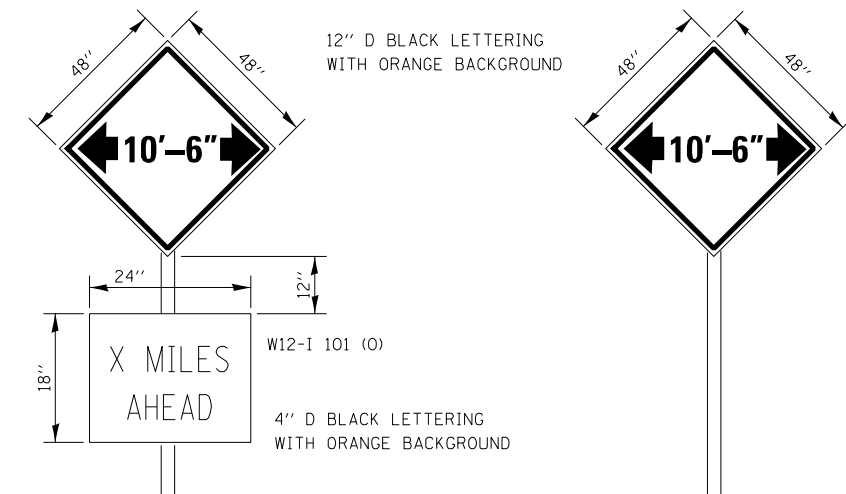
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
316	(114)CR	BUREAU	40	35
CONTRACT NO. 66K35				
ILLINOIS FED. AID PROJECT				



DETAIL A

TYPICAL GROOVED THERMOPLASTIC RUMBLE STRIP APPLICATION IN ADVANCE OF AN INTERSECTION



TO BE POST MOUNTED AT THE FOLLOWING LOCATIONS:

- NORTHBOUND - IMMEDIATELY PRIOR TO CONSTRUCTION ZONE.
- SOUTHBOUND - IN ADVANCE OF IL 26 AND IL 92 INTERSECTION.
- EASTBOUND - IN ADVANCE OF IL 26 AND IL 92 INTERSECTION.
- WESTBOUND - IN ADVANCE OF IL 26 AND IL 92 INTERSECTION.

ENGINEER SHALL DETERMINE EXACT LOCATION.

THE ENGINEER WILL NOTIFY DISTRICT 3 BUREAU OF OPERATIONS 14 CALENDAR DAYS PRIOR TO INSTALLING ANY TRAFFIC CONTROL DEVICES THAT WILL RESTRICT THE PAVEMENT WIDTH.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WITH THE ENGINEER TO MEET THIS REQUIREMENT.

COST OF SUPPLYING, INSTALLING, MAINTAINING AND REMOVING WIDTH RESTRICTION SIGNS SHALL BE INCLUDED IN THE COST OF THE TRAFFIC CONTROL AND PROTECTION PAY ITEMS.

SEE SPECIAL PROVISION FOR SUPPLEMENTAL "MILES AHEAD" PLAQUE INFORMATION.

WIDTH RESTRICTION SIGN AND ANY SUPPLEMENTAL DISTANCE/ARROW SIGNS SHALL BE BLACK LETTERS ON FLUORESCENT ORANGE SHEETING.

WIDTH RESTRICTION SIGNING DETAILS

MODEL: 1400BELNAMES
FILE NAME: STREETS

Hutchinson Engineering, Inc.
Jacksonville Moline Peoria Shorewood
Since 1945

USER NAME = default	DESIGNED - LDZ	REVISED -
DRAWN - RMD	CHECKED - WLP	REVISED -
PLOT SCALE = \$SCALES	DATE - 11/5/2021	REVISED -
PLOT DATE = 1/11/2022		

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**FAP ROUTE 316 (IL RTE 26)
MISCELLANEOUS DETAILS**

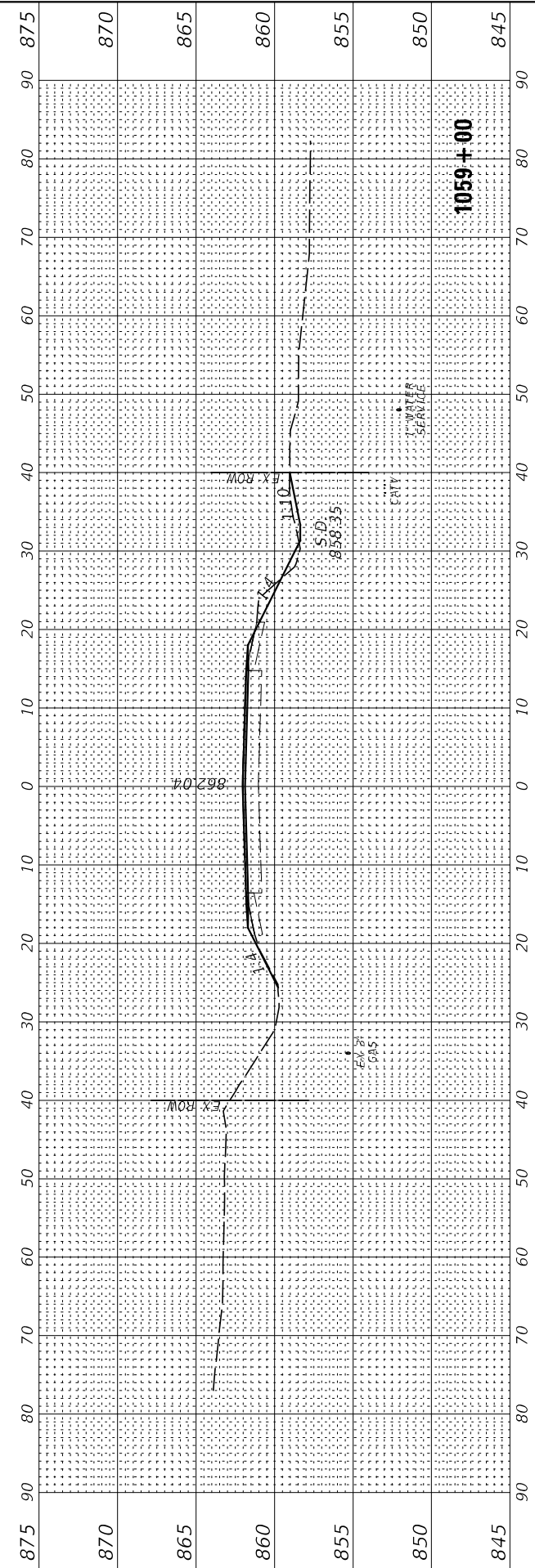
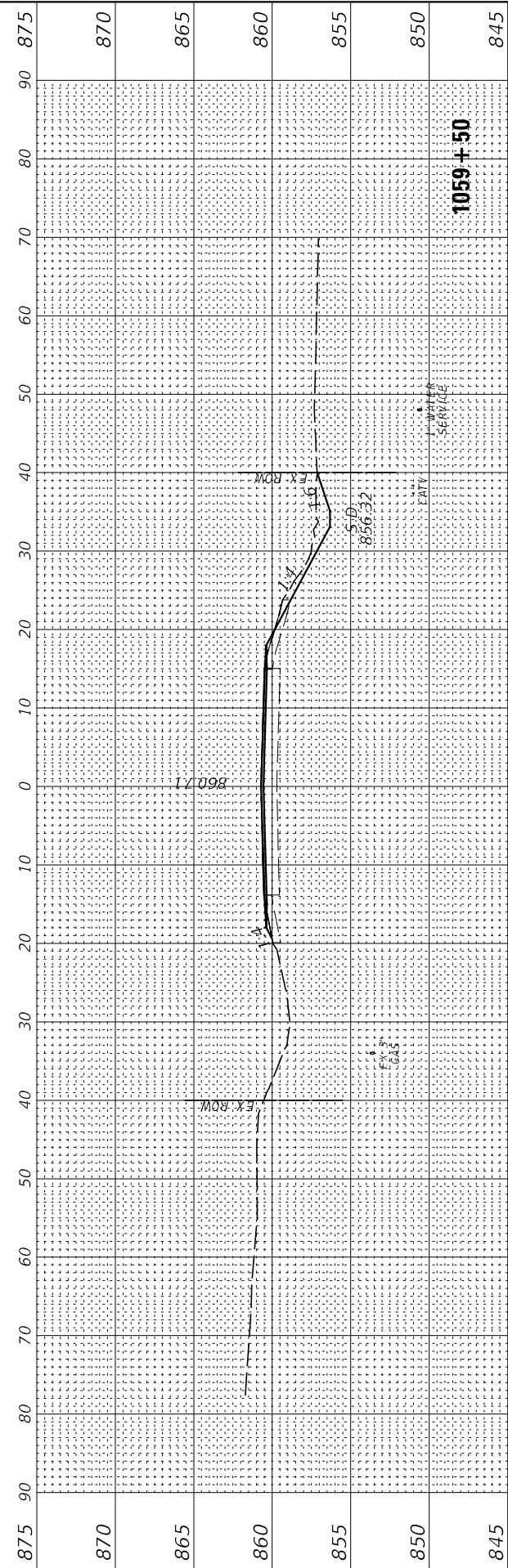
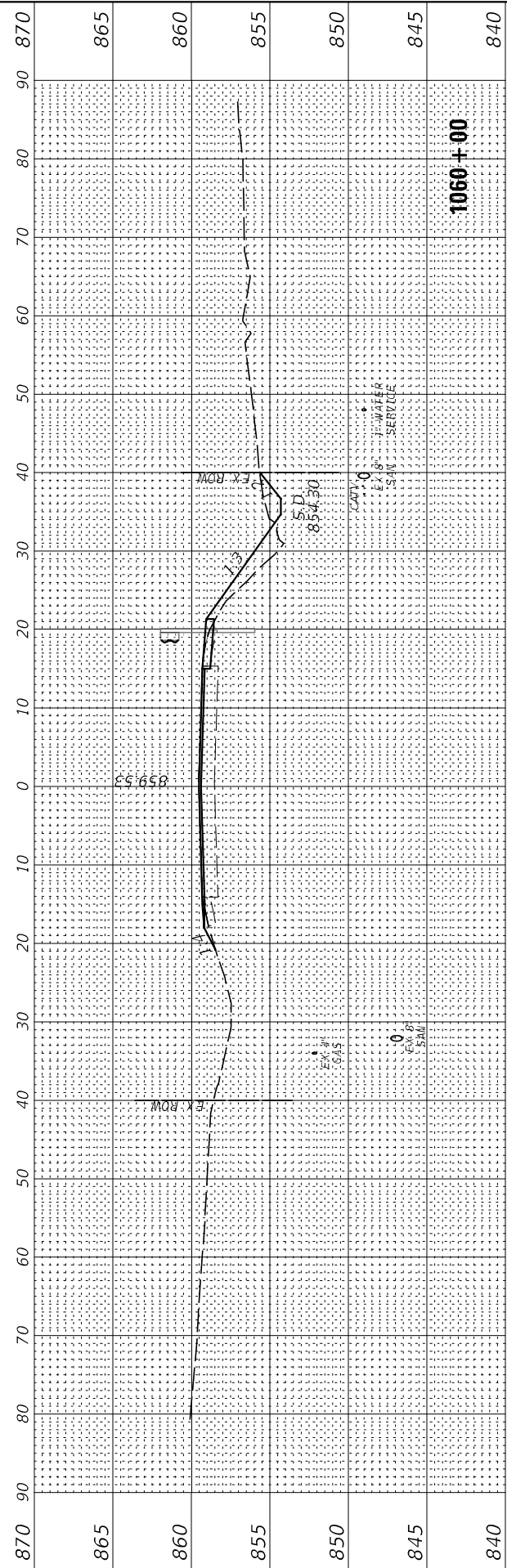
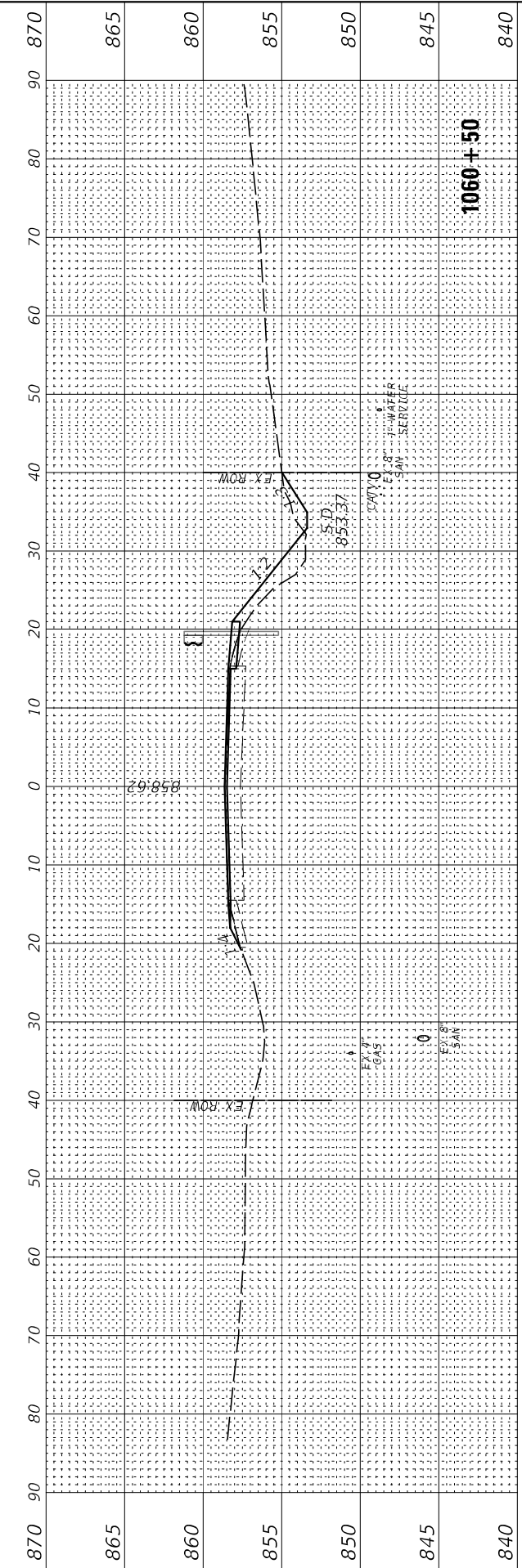
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
316	(114)CR	BUREAU	40	36
CONTRACT NO. 66K35				
ILLINOIS FED. AID PROJECT				

FINAL SURVEY NO.	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
AREAS CHECKED	TEMPLATE		
	AREAS CHECKED		

ORIGINAL SURVEY NO.	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
AREAS CHECKED	TEMPLATE		
	AREAS CHECKED		

MODEL: \$MODELNAME\$
FILE NAME: \$FILES\$



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	DRAWN - RMD	REVISED -
PLOT SCALE = \$SCALE\$	CHECKED - WLP	REVISED -
PLOT DATE = 1/11/2022	DATE - 11/5/2021	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**FAP ROUTE 316 (IL RTE 26)
CROSS SECTIONS**

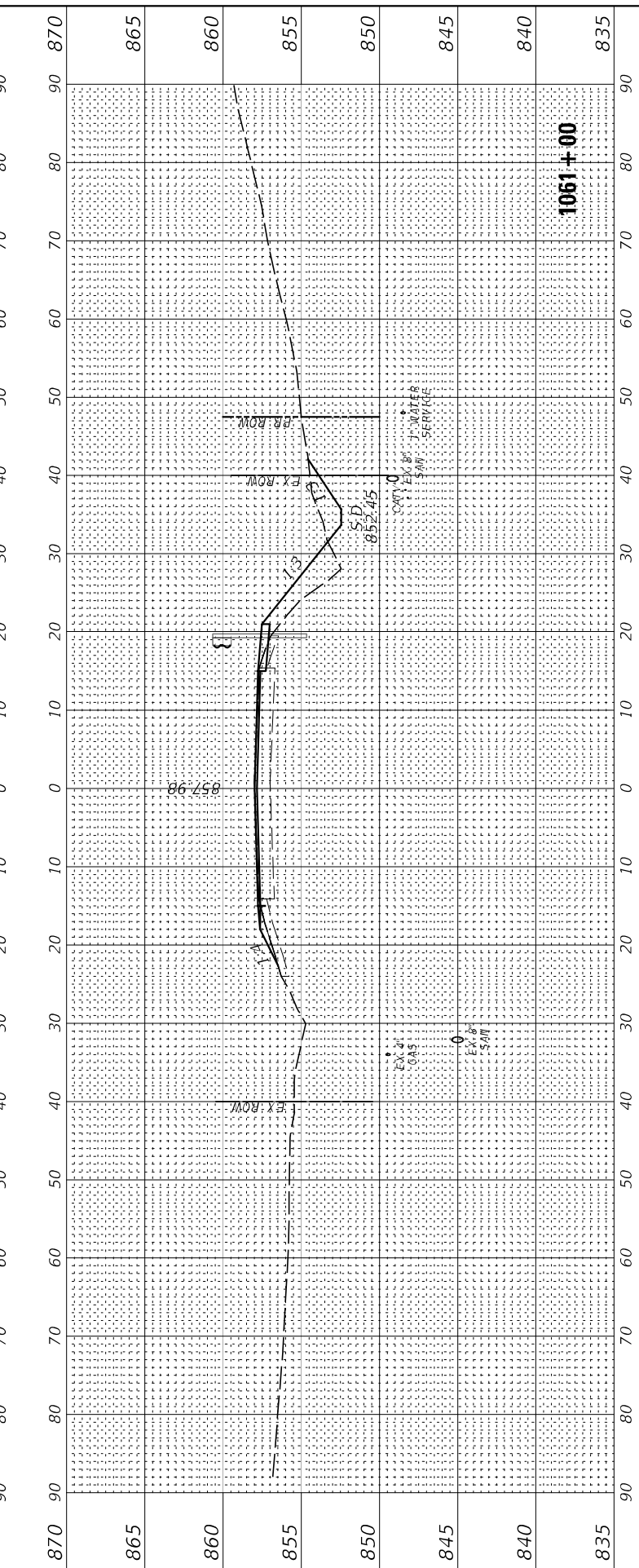
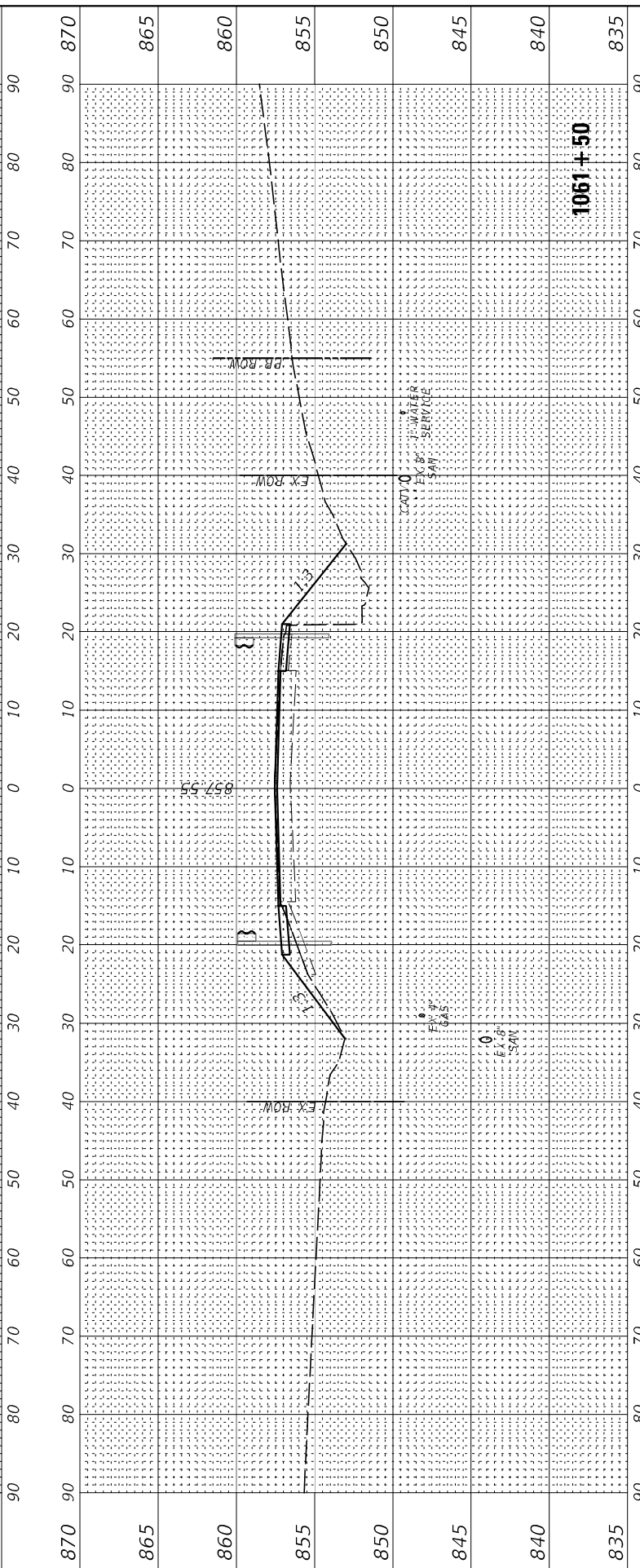
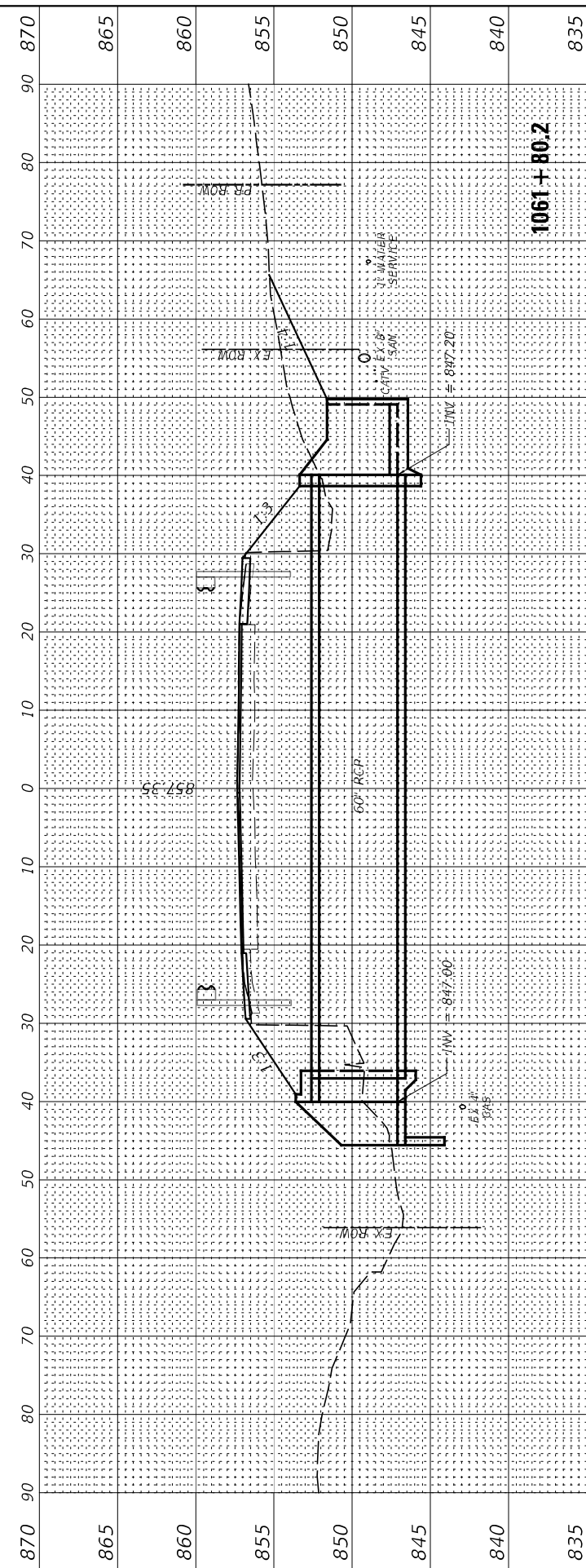
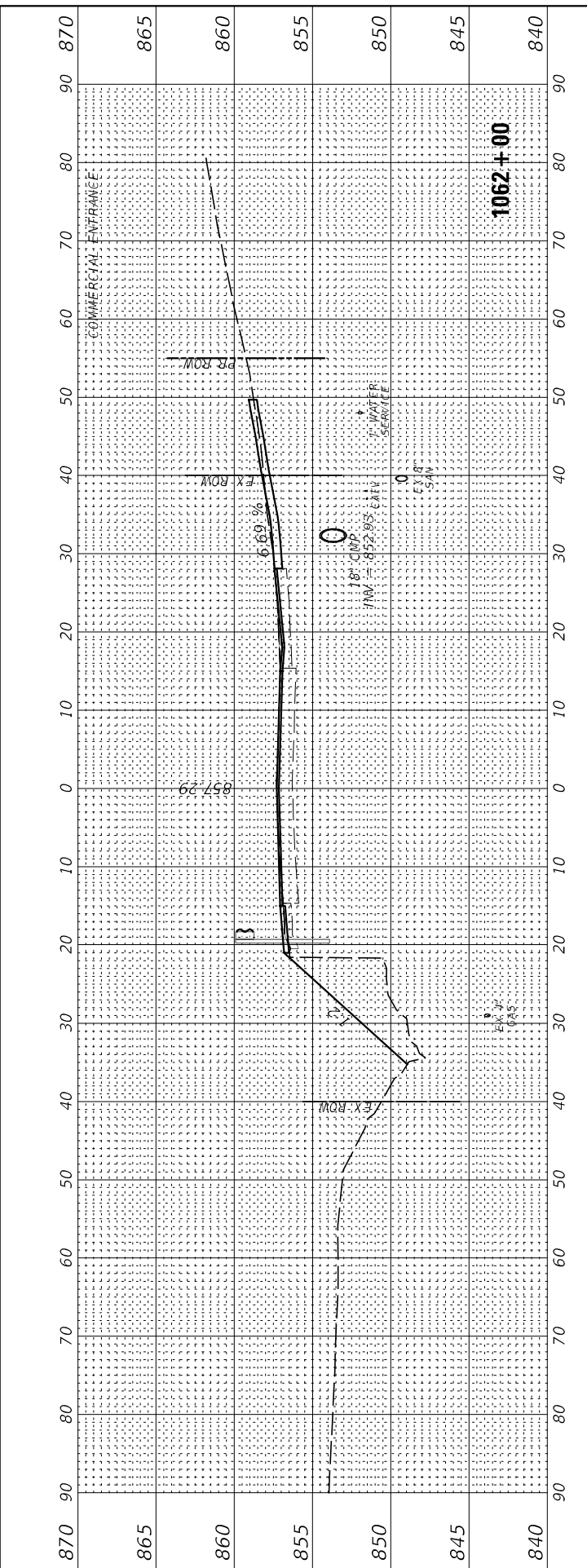
SCALE: H=10 V=5 SHEET 1 OF 4 SHEETS STA. 1059+00 TO STA. 1060+50

F.A.P. RTE. 316	SECTION (114)CR	COUNTY BUREAU	TOTAL SHEETS 40	SHEET NO. 37
ILLINOIS FED. AID PROJECT			CONTRACT NO. 66K35	

FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
AREAS CHECKED	TEMPLATE		
NO.	AREAS CHECKED		

ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
AREAS CHECKED	TEMPLATE		
NO.	AREAS CHECKED		

MODEL: \$MODELNAME\$
FILE NAME: \$FILES\$



USER NAME = default	DESIGNED - LDZ	REVISED -
PLOT SCALE = \$SCALE\$	DRAWN - RMD	REVISED -
PLOT DATE = 1/11/2022	CHECKED - WLP	REVISED -
	DATE - 11/5/2021	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FAP ROUTE 316 (IL RTE 26)
CROSS SECTIONS

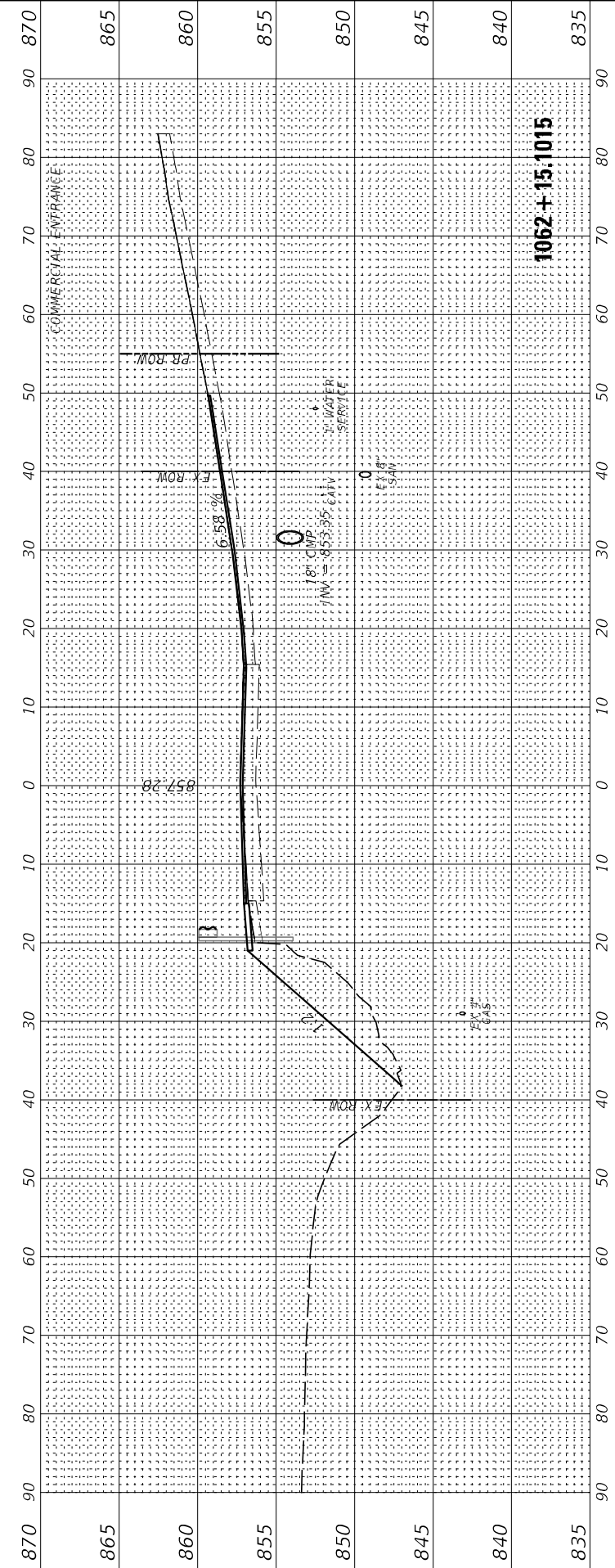
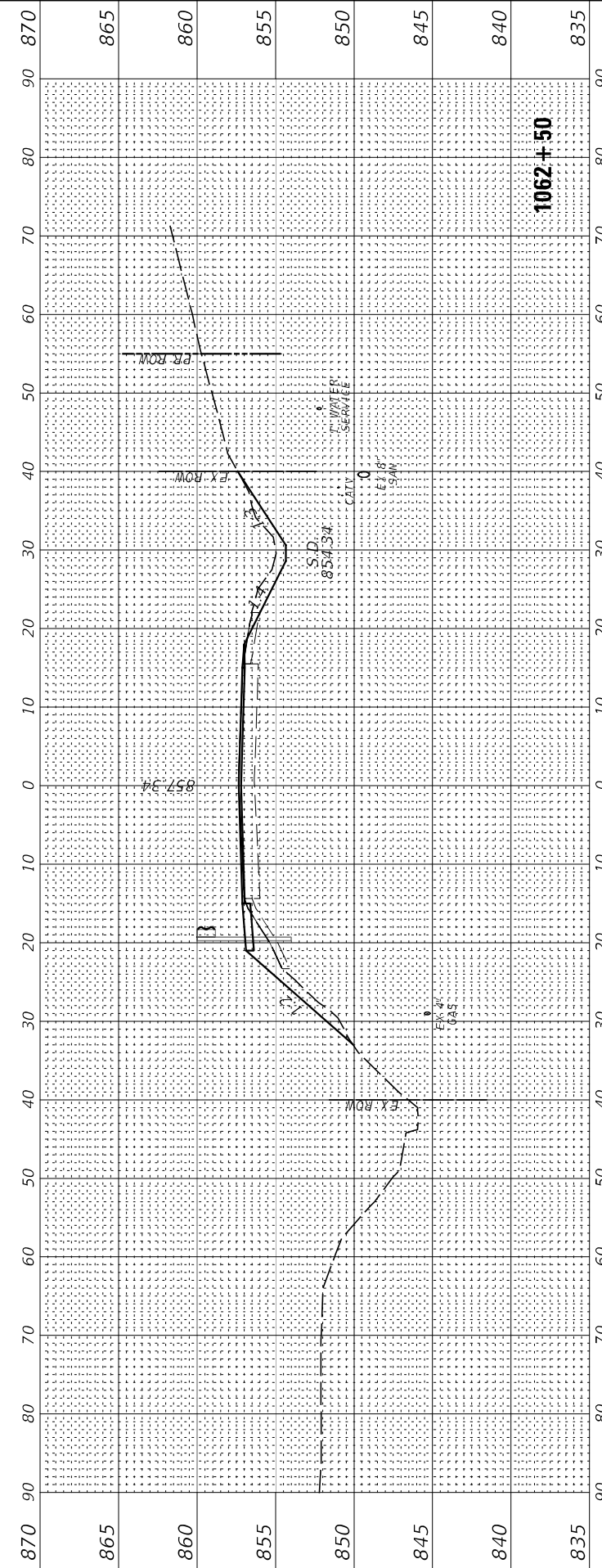
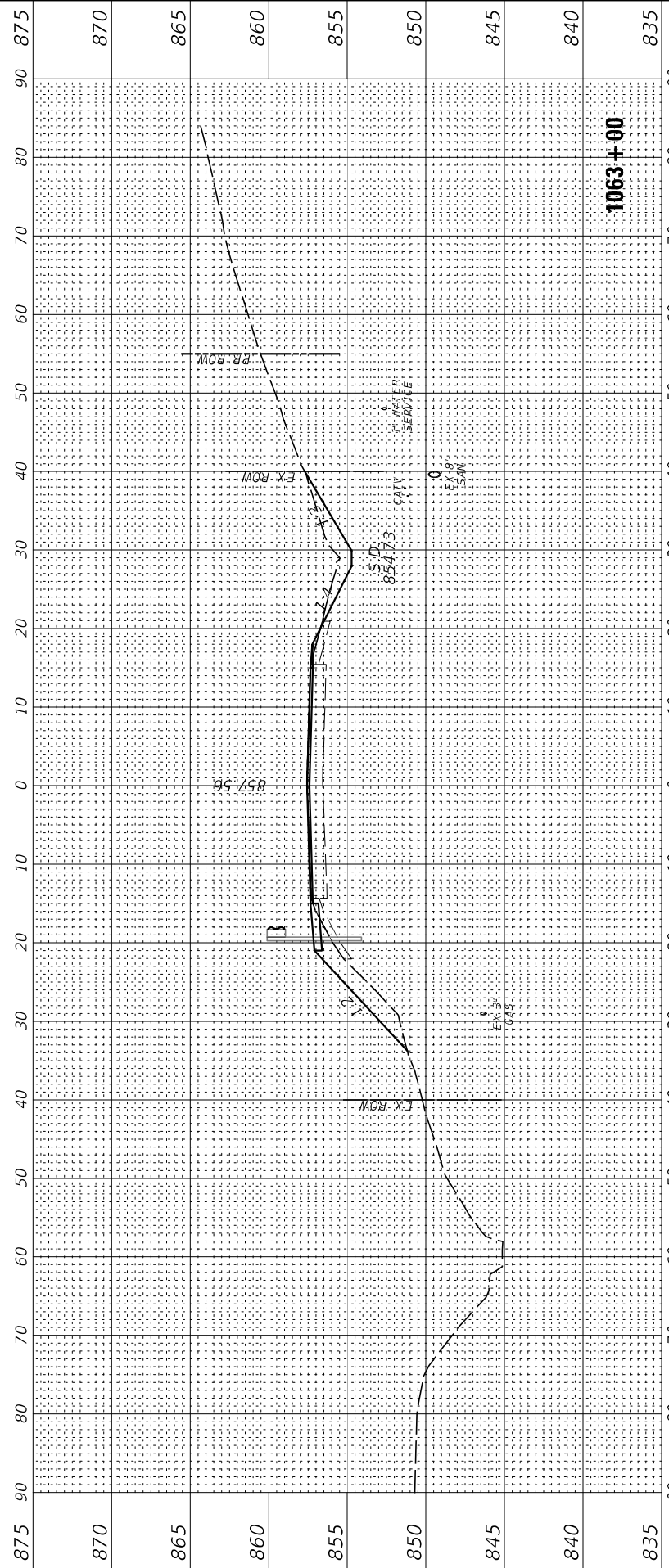
SCALE: H=10 V=5 SHEET 2 OF 4 SHEETS STA. 1061+00 TO STA. 1062+00

F.A.P. RTE. 316	SECTION (114)CR	COUNTY	TOTAL SHEETS 40	SHEET NO. 38
BUREAU			CONTRACT NO. 66K35	
ILLINOIS FED. AID PROJECT				

FINAL SURVEY NO.	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
AREAS CHECKED	TEMPLATE		
	AREAS CHECKED		

ORIGINAL SURVEY NO.	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
AREAS CHECKED	TEMPLATE		
	AREAS CHECKED		

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FILE NAME: SFILES



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PLOT SCALE = 5\$SCALE5	DRAWN - RMD	REVISED -
PLOT DATE = 1/11/2022	CHECKED - WLP	REVISED -
	DATE - 11/5/2021	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCALE: H=10 V=5	SHEET 3	OF 4 SHEETS	STA. 1062+15.1015 TO STA. 1063+00
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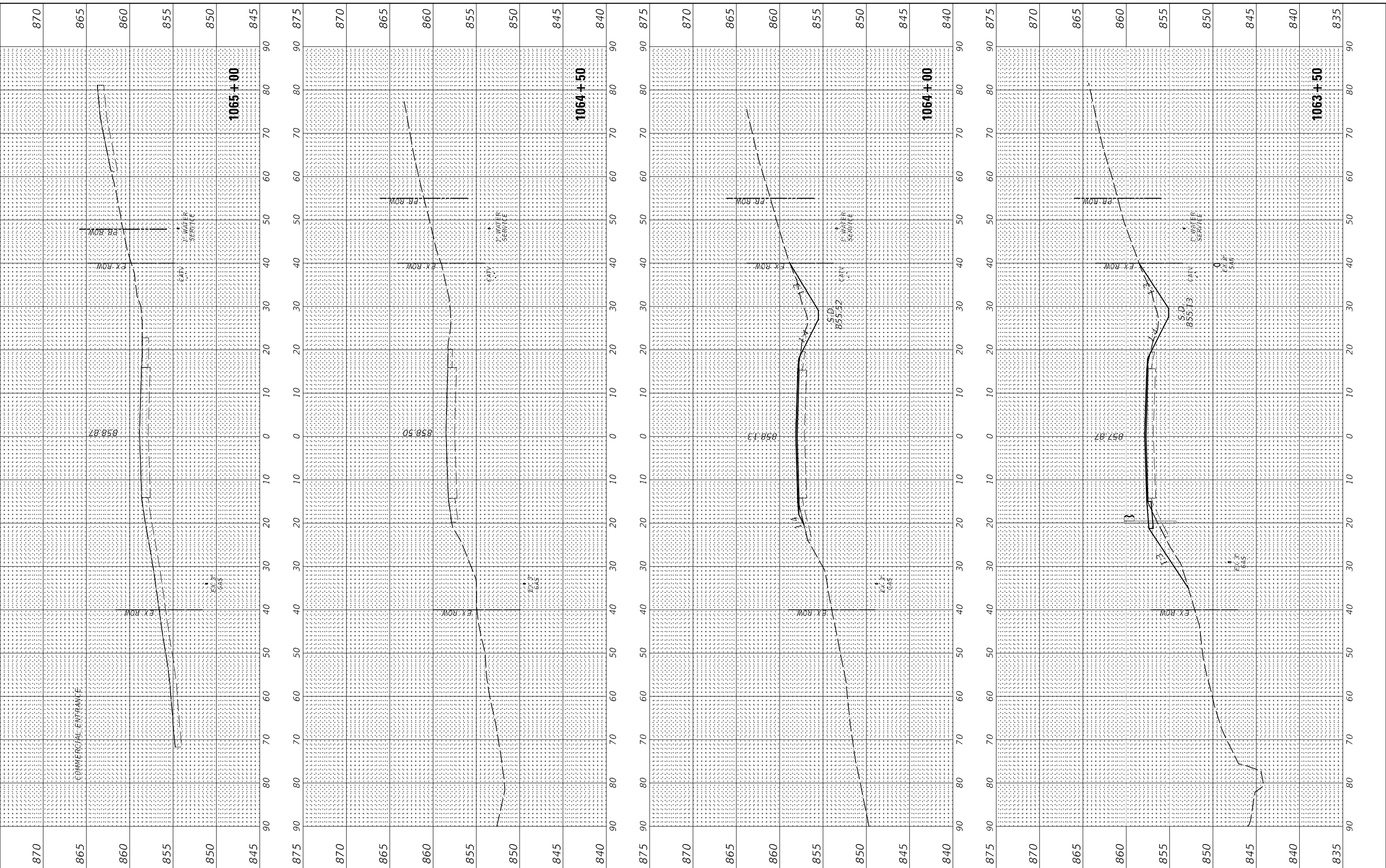
**FAP ROUTE 316 (IL RTE 26)
CROSS SECTIONS**

F.A.P. RTE. 316	SECTION (114)CR	COUNTY BUREAU	TOTAL SHEETS 40	SHEET NO. 39
CONTRACT NO. 66K35			ILLINOIS FED. AID PROJECT	

FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
AREAS CHECKED	TEMPLATE		
NO.	AREAS CHECKED		

ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
AREAS CHECKED	TEMPLATE		
NO.	AREAS CHECKED		

MODEL: SPODLEWY
FILE NAME: SP1163



USER NAME = default	DESIGNED - LDZ	REVISED -
	DRAWN - RMD	REVISED -
PLOT SCALE = 5\$CALES	CHECKED - WLP	REVISED -
PLOT DATE = 11/1/2022	DATE - 11/5/2021	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCALE: H=10 V=5	SHEET 4	OF 4	SHEETS	STA. 1063+50 TO STA. 1065+00
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**FAP ROUTE 316 (IL RTE 26)
CROSS SECTIONS**

F.A.P. RTE. 316	SECTION (114)CR	COUNTY BUREAU	TOTAL SHEETS 40	SHEET NO. 40
CONTRACT NO. 66K35			ILLINOIS FED. AID PROJECT	