

LEGEND

- PROPOSED SCHAUBURG LIGHTING UNIT
PHILIPS LUMEC TR20 130 WATT LED, 240V (PHASE TO PHASE)
38 FT ALUMINUM POLE (35 FT M.H.), 3.6 FT MAST ARM
- PROPOSED SCHAUBURG COMBINATION TRAFFIC SIGNAL AND STREET LIGHT
AMERICAN ELECTRIC LIGHTING ATB2
214 WATT LED, 240V (PHASE TO PHASE)
45 FT M.H., 15 FT MAST ARM
WIRED AND POWERED FROM LIGHTING CONTROLLER
- PROPOSED SCHAUBURG LIGHTING CONTROLLER
120/240 VOLT
- PROPOSED UNIT DUCT
(AS SPECIFIED IN THE PLANS)
- EXISTING COMBINATION LIGHTING

NOTE

PROPOSED RECONSTRUCTION SECTION 14-00114-01-PV AND SECTION 14-00114-02-PV WILL BE ON THE SAME LETTING. THE PROPOSED LIGHTING FOR BOTH SECTIONS WILL BE ON ONE LIGHTING SYSTEM POWERED FROM PROPOSED LIGHTING CONTROLLER AT APPROXIMATE STATION 121+55.

LIGHTING CONTROLLER CIRCUIT LOAD TABLE							
BLACK CABLE	QTY	TOTAL AMPS	KW LOAD @ 120V	RED CABLE	QTY	@240V AMPS	KW LOAD @ 120V
A	7	5.4	0.65	A	7	5.4	0.65
B	7	5.4	0.65	B	7	5.4	0.65
C	7	5.4	0.65	C	7	5.4	0.65
D	7	5.4	0.65	D	7	5.4	0.65
E	6	4.3	0.52	E	6	4.3	0.52
F	5	3.7	0.44	F	5	3.7	0.44
G	5	4.1	0.49	G	5	4.1	0.49
H	5	4.1	0.49	H	5	4.1	0.49
1	5	12.5	1.50	2	5	12.5	1.50
3	5	12.5	1.50	4	5	12.5	1.50
5	4	10.0	1.20	6	4	10.0	1.20
7	3	7.5	0.90	8	4	10.0	1.20
TOTAL		80.3	9.64	TOTAL		82.8	9.94

130 WATT LED LUMINAIRE (240V) = 0.65 AMP
216 WATT COMBINATION LED LUMINAIRE (240V) = 1.08 AMP
OUTLET CKTS. 1 - 8 (120 V) = 2.5 AMPS

FILE NAME = ...\3074.LT.15 Wiring Diagram.dgn



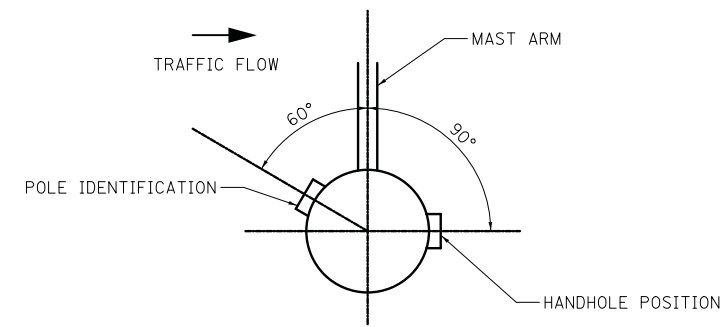
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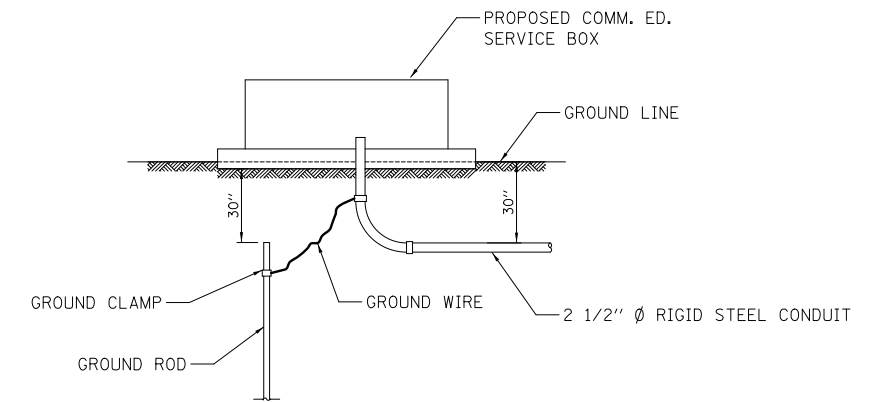
**WOODFIELD ROAD - MARTINGALE ROAD TO EAST FRONTAGE ROAD
LIGHTING WIRING DIAGRAM**

SCALE: NTS SHEET 1 OF 1 SHEETS

MUN/FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3073/1689	14-00114-01-PV	COOK	282	201
CONTRACT NO. 61F09				
ILLINOIS FED. AID PROJECT				

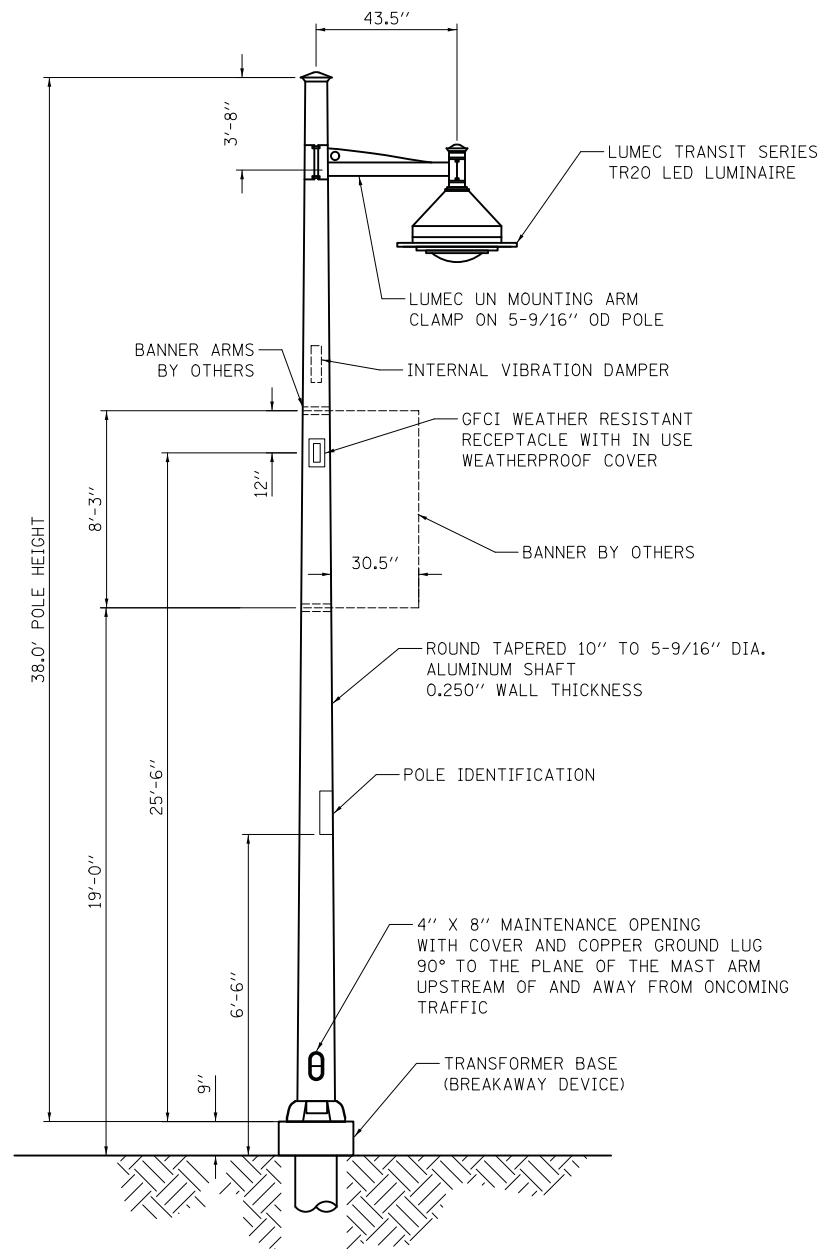


POSITION OF HANDHOLE AND POLE IDENTIFICATION



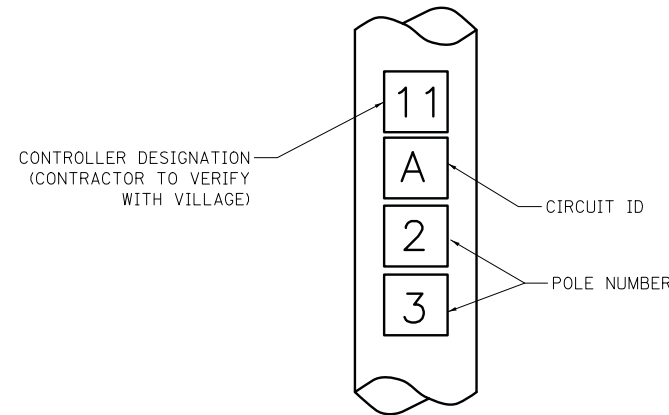
NOTE: GROUND ROD, GROUND CLAMPS & GROUND WIRE TO BE IN ACCORDANCE WITH COMM. ED. REQUIREMENTS.

PROPOSED SERVICE INSTALLATION



NOTE: HANDHOLE COVERS SHALL BE ATTACHED TO POLE WITH #14 SPANNER SCREWS WITH ANTI-SEIZE COMPOUND.

LIGHTING UNIT
(NOT TO SCALE)



CONTROLLER DESIGNATION
(CONTRACTOR TO VERIFY WITH VILLAGE)

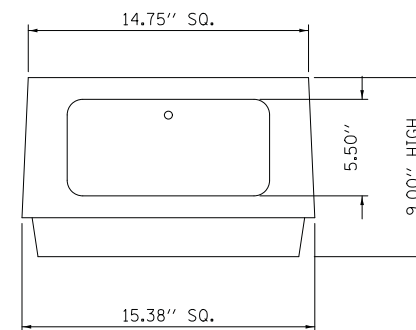
CIRCUIT ID

POLE NUMBER

NOTES:

- 4" HIGH WHITE LETTERS SCREENED ON A 4-1/2" X 4" RED, PRESSURE SENSITIVE AND REFLECTIVE BACKGROUND.
- THE CONTRACTOR SHALL COORDINATE LIGHT POLE AND CONTROLLER IDENTIFICATION NUMBERS WITH THE VILLAGE PRIOR TO CONSTRUCTION.

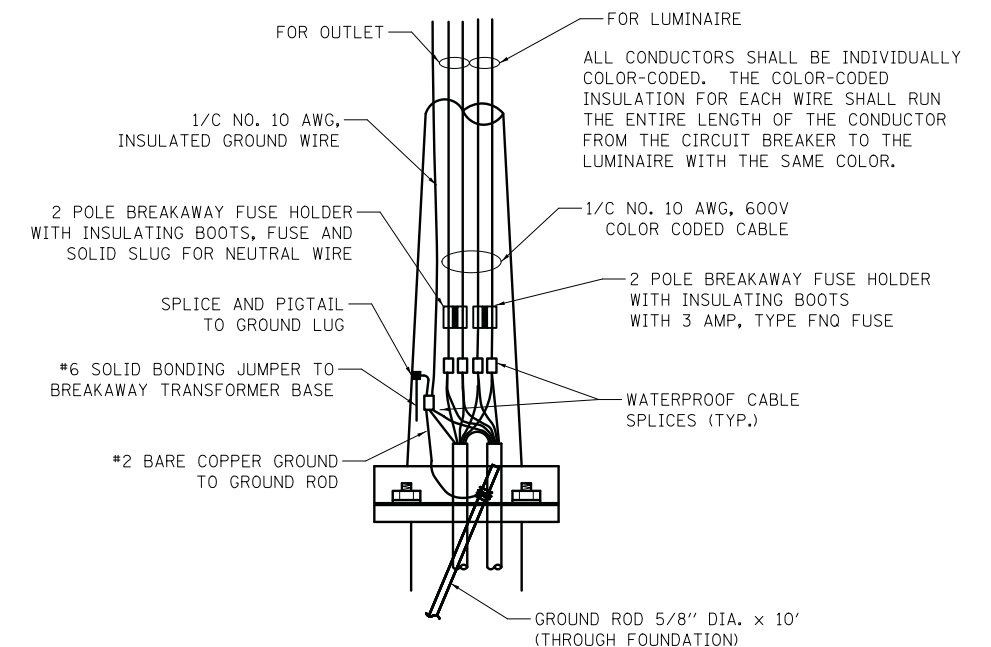
POLE IDENTIFICATION



NOTES:

- HARDWARE: CARRIAGE BOLTS SHALL BE USED WITH FLAT WASHER, LOCK WASHER, AND NUTS. NO THREADED ROD ALLOWED.
- GROUNDING: AREA WHERE THE GROUND WIRE ATTACHES TO TRANSFORMER BASE MUST BE SCRATCHED TO ENSURE EFFECTIVE BONDING.
- TRANSFORMER BASE SHALL BE POWDER COATED TO MATCH POLE COLOR.

TRANSFORMER BASE
(BREAKAWAY DEVICE)



ROADWAY POLE HANDHOLE WIRING DIAGRAM

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WOODFIELD ROAD - MARTINGALE ROAD TO EAST FRONTAGE ROAD
LIGHTING DETAILS

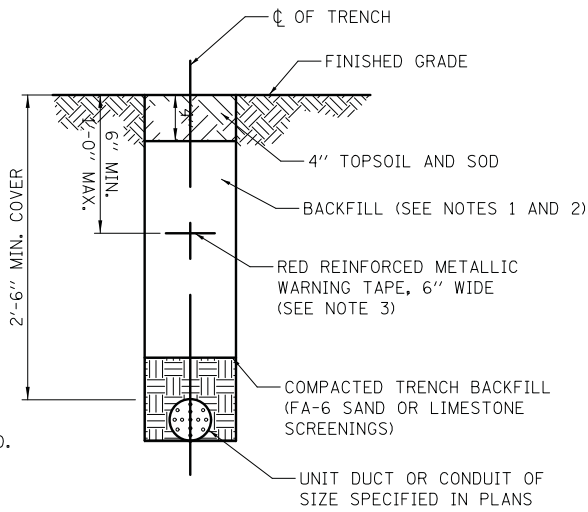
SCALE: NTS SHEET 1 OF 1 SHEETS

MUN/FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3073/1689	14-0014-01-PV	COOK	282	202
CONTRACT NO. 61F09				

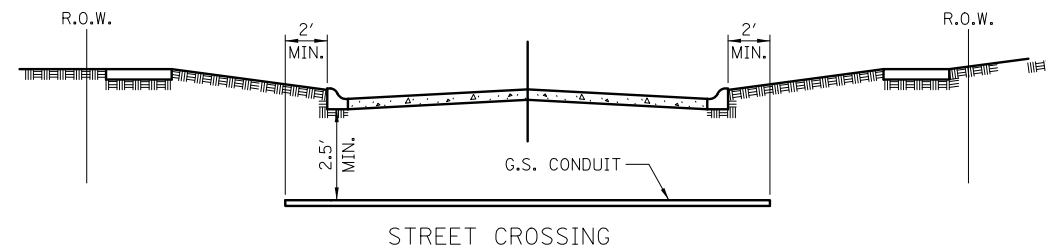
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NOTES:

1. IN GRASS COVERED AREAS, THE BACKFILL MAY BE COMPACTED EARTH.
2. TRENCHES WITHIN 2' OF PROPOSED OR EXISTING STREETS, DRIVEWAYS, OR SIDEWALKS WILL BE BACKFILLED WITH COMPACTED FA-6 SAND OR LIMESTONE SCREENINGS.
3. WARNING TAPE WILL BE RED WITH BLACK LETTERING TO READ "CAUTION - ELECTRIC LINE BURIED BELOW".
4. ALL GRASS COVERED AREAS DISTURBED DURING CONSTRUCTION WILL BE RESTORED WITH 4" OF TOPSOIL AND SOD.

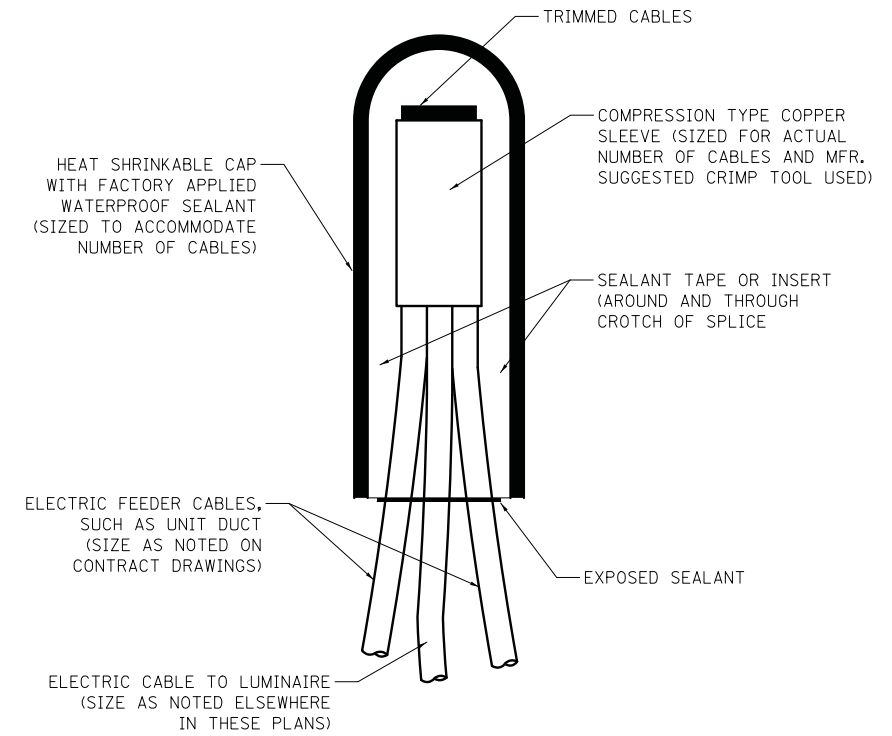


TYPICAL TRENCH CROSS SECTION



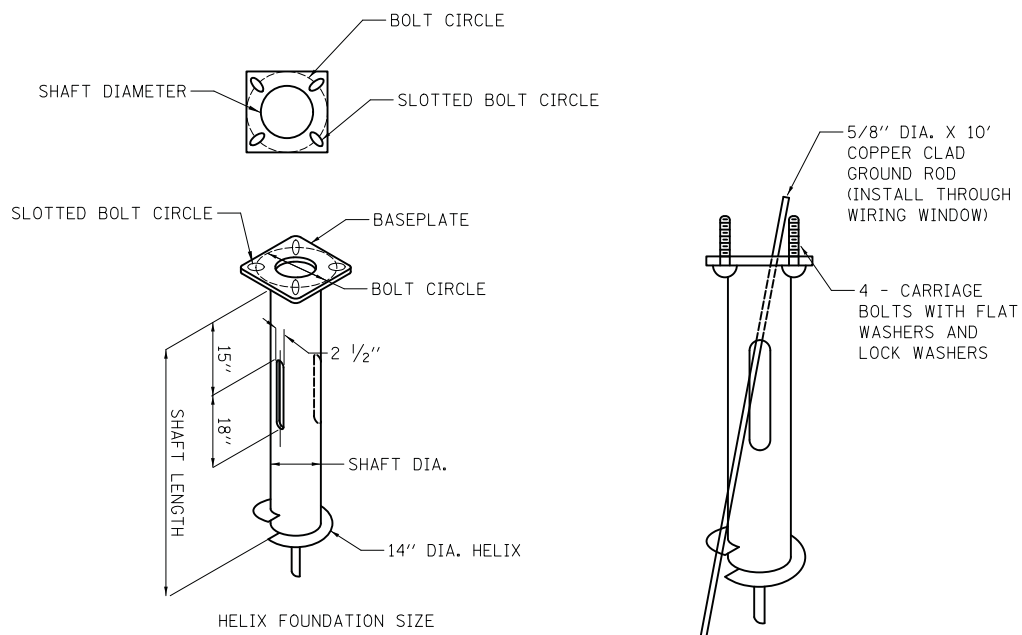
- ① CONDUIT SHALL BE HEAVY WALL RIGID G.S. CONDUIT.
- ② CONDUIT SHALL EXTEND A MINIMUM OF 2 FT. BEYOND BACK OF CURB.
- ③ CONDUIT SHALL BE A MINIMUM OF 2.5 FT. BELOW BOTTOM OF CURB.

ELECTRICAL CONDUIT UNDER PAVEMENT



NOTE: NUMBER OF CABLES IN SPLICE MAY VARY

**SPLICING ELECTRIC CABLES
BASIC MATERIALS AND METHODS**



NOTES FOR METAL FOUNDATION

1. METAL FOUNDATION SHALL BE THE FOUNDATION USED FOR ALL LIGHTING AND DECORATIVE LIGHTING UNITS UNLESS CONDITIONS IN THE FIELD MAKES IT IMPOSSIBLE TO USE METAL FOUNDATIONS, THEN AN OFFSET FOUNDATION SHALL BE USED WITH ENGINEER APPROVAL.
2. ALL MATERIAL SHALL BE GALVANIZED ACCORDING TO AASHTO M111, UNLESS OTHERWISE SPECIFIED.
3. ALL WELDS SHALL BE CONTINUOUS AND NOT LESS THAN 1/4" FILLET WELDS. THE WELDED FOUNDATION SHALL BE CAPABLE OF WITHSTANDING 10,000 FT/LBS OF INSTALLATION TORQUE APPLIED ABOUT THE AXIS OF THE FOUNDATION.
4. CUT TWO SLOTS IN THE SHAFT AT 180 DEGREE FOR UNIT DUCTS AND CABLES ENTERING AND LEAVING THE POLE FOUNDATION.
5. TOP PLATE SHALL BE PERMANENTLY MARKED WITH THE CABLING SLOT LOCATIONS.
6. HELIX FOUNDATION SHALL BE INSTALLED VERTICAL AND THE BASEPLATE SHALL BE IN LEVEL. THE BREAKAWAY COUPLINGS AND HARDWARE SHALL NOT BE USED TO ALIGN THE POLE INSTALLATION.
7. THE CABLE TRENCH SHALL BE BACKFILLED AND FIRMLY COMPACTED BEFORE THE INSTALLATION OF THE LIGHT POLE.
8. THE CONTRACTOR SHALL COORDINATE EXTENSION OF ANCHOR BOLTS ABOVE TOP OF THE BASEPLATE WITH THE BREAKAWAY DEVICE MANUFACTURER'S REQUIREMENTS.
9. ANY VOIDS WITHIN THE METAL FOUNDATION SHALL BE FILLED WITH FINE AGGREGATE.
10. METAL FOUNDATIONS SHALL BE INSTALLED IN UNDISTURBED SOIL. PREDRILLING A PILOT HOLE AND/OR BACKFILLING AROUND THE FOUNDATION IS NOT ALLOWED.
11. GROUND ROD, 5/8" DIA. x 10', THROUGH FOUNDATION WILL BE REQUIRED AND INCLUDED ON ALL LIGHT POLE FOUNDATIONS INCLUDING METAL FOUNDATIONS.

12. THE METAL FOUNDATION SHALL NOT BE INSTALLED TO A TORQUE WHICH EXCEEDS THE MANUFACTURER'S MAXIMUM TORQUE RATING NOR SHALL IT BE INSTALLED TO AN INSTALLATION TORQUE VALUE OF LESS THAN 3,500 FT LB. METAL FOUNDATIONS THAT ARE NOT INSTALLED TO FULL INSTALLATION DEPTH OR DO NOT ACHIEVE THE MINIMUM INSTALLATION TORQUE SHALL BE REMOVED AND REPLACED WITH A CONCRETE FOUNDATION AT NO ADDITIONAL COST.
13. THE BASEPLATE SHALL BE PERPENDICULAR TO THE SHAFT AXIS ($\pm 1^\circ$) AND THE HOLE CENTERLINE SHALL BE CONCENTRIC (± 0.188) TO THE SHAFT AXIS.
14. THE PILOT POINT AND SHAFT AXIS SHALL BE CONCENTRIC (± 0.125) AND IN LINE ($\pm 2^\circ$).
15. THE BASEPLATE SHALL BE STAMPED WITH THE MANUFACTURERS NAME AND DATE OF MANUFACTURE.
16. ALL MATERIAL IS TO BE NEW, UNUSED AND MILL TRACEABLE MEETING THE FOLLOWING SPECIFICATIONS:

- BASE PLATE: AASHTO M 270M, GRADE 36 (M270M, GRADE 250)
- SHAFT: ASTM A 252 - (LATEST REVISION) GRADE 2, (PHOSPHOROUS 0.04% MAXIMUM, SULFUR 0.05% MAXIMUM)
- HELIX SCREW: AASHTO M 183 (ASTM A 635) (LATEST REVISION)
- PILOT POINT: AASHTO M 270 (ASTM A 575) (LATEST REVISION)
- ANCHOR RODS/STUDS: AASHTO M 314 (ASTM F 1554) (LATEST REVISION)
- HEXAGON NUTS: AASHTO M 291M (ASTM A 563) GRADE DH, OR AASHTO M 292 (ASTM A 194) GRADE 2H (LATEST REVISION)
- WASHERS: AASHTO M 293 (ASTM F 436) (LATEST REVISION)

POLE MOUNTING HEIGHT	BOLT CIRCLE	SHAFT DIAMETER	SHAFT LENGTH	BASEPLATE
30 FT.	11 1/2"	8 5/8"	6 FT.	12" X 12" X 1"
31 FT. - 35 FT.	11 1/2"	8 5/8"	6 FT.	12" X 12" X 1"
36 FT. - 40 FT.	15"	8 5/8"	6 FT.	15" X 15" X 1 1/4"
41 FT. - 45 FT.	15"	8 5/8"	6 FT.	15" X 15" X 1 1/4"
46 FT. - 50 FT.	15"	10"	8 FT.	15" X 15" X 1 1/4"

POLE FOUNDATION METAL

HELIX MUST BE FORMED BY MATCHING METAL DIE (SIDE VIEW OF TRUE HELICAL FORM)

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**WOODFIELD ROAD - MARTINGALE ROAD TO EAST FRONTAGE ROAD
LIGHTING DETAILS**

SCALE: NTS SHEET 1 OF 1 SHEETS

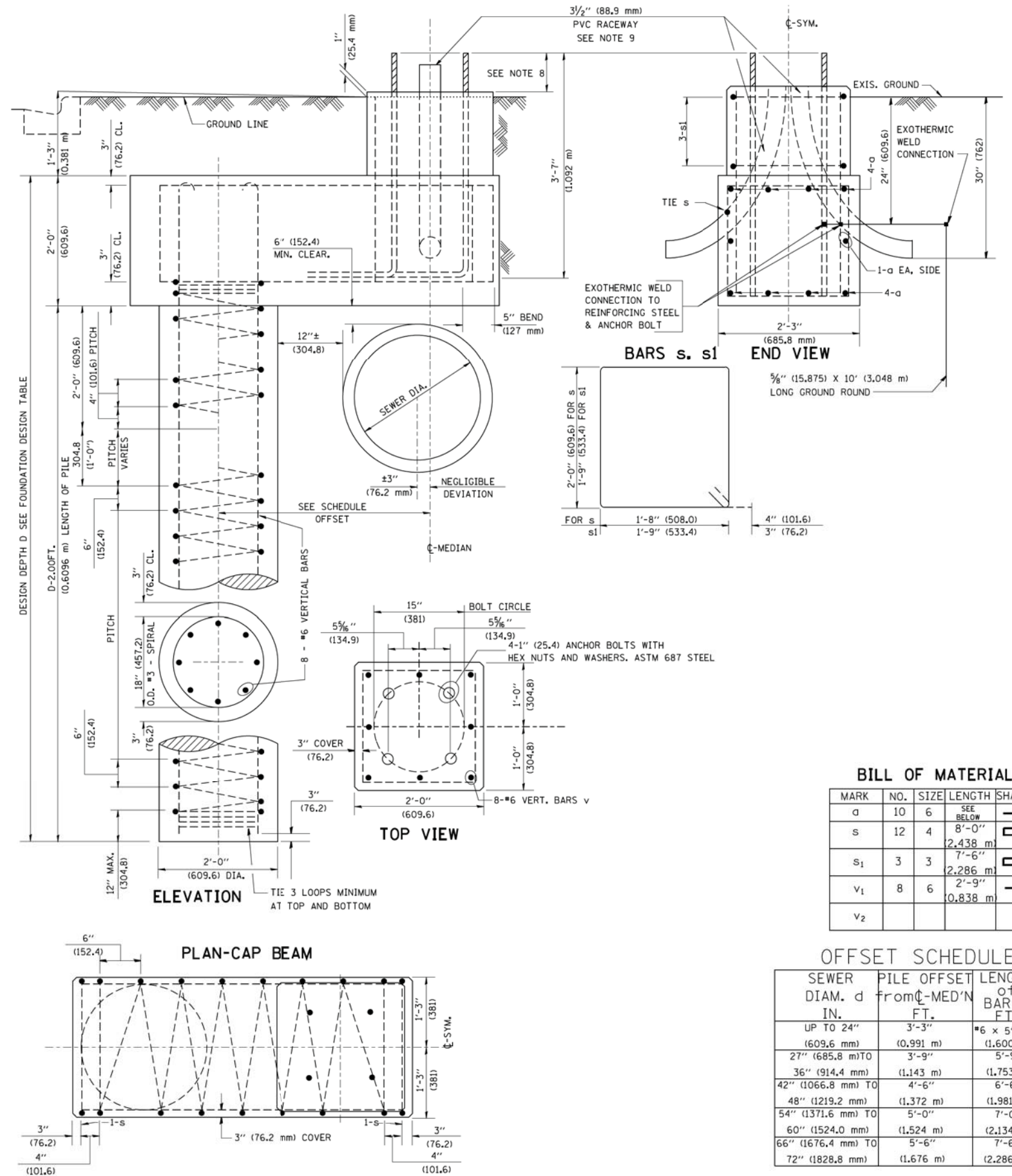
MUN/FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3073/1689	14-00114-01-PV	COOK	282	203
CONTRACT NO. 61F09				
ILLINOIS FED. AID PROJECT				

FOUNDATION DESIGN TABLE

TYPE OF SOIL	DESIGN DEPTH OF FOUNDATION		REINFORCEMENT IN FOUNDATION			
	SINGLE ARM D	TWIN ARM D	SINGLE ARM		TWIN ARM	
			VERT BARS	SPIRAL	VERT BARS	SPIRAL
SOFT CLAY	13'-0" (3.962 m)	15'-0" (4.572 m)	8-#6X12'-6" (3.810 m)	#3X122' (37.186 m)	8-#6X14'-3" (4.343 m)	#3X141' (42.977 m)
MEDIUM CLAY	9'-6" (2.896 m)	10'-9" (3.277 m)	8-#6X9'-0" (2.743 m)	#3X90' (27.432 m)	8-#6X10'-0" (3.048 m)	#3X100' (30.480 m)
STIFF CLAY	7'-0" (2.134 m)	8'-0" (2.438 m)	8-#6X6'-6" (1.981 m)	#3X66' (20.112 m)	8-#6X7'-6" (2.286 m)	#3X76' (23.165 m)
LOOSE SAND	9'-0" (2.743 m)	10'-0" (3.048 m)	8-#6X8'-6" (2.591 m)	#3X85' (25.908 m)	8-#6X9'-6" (2.896 m)	#3X94' (28.651 m)
MEDIUM SAND	8'-3" (2.515 m)	9'-0" (2.743 m)	8-#6X8'-0" (2.438 m)	#3X78' (23.774 m)	8-#6X8'-6" (2.591 m)	#3X85' (25.908 m)
DENSE SAND	7'-9" (2.362 m)	9'-0" (2.743 m)	8-#6X7'-6" (2.286 m)	#3X73' (22.250 m)	8-#6X8'-6" (2.591 m)	#3X85' (25.908 m)
ROCK OR SOLIDIFIED SLAG	5'-0" (1.524 m)	5'-0" (1.524 m)	NONE	NONE	NONE	NONE

NOTES

- ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.
- THE ENGINEER SHALL DETERMINE THE CLASS OF SOIL DURING EXCAVATION AND SELECT THE DESIGN DEPTH OF FOUNDATION FROM THE DESIGN TABLE.
- EXCAVATION OF THE POLE FOUNDATION SHALL BE MADE WITH AN AUGER, 24" (609.6 mm) OR 30" (762.0 mm) IN DIAMETER.
- THE ANCHOR ROD SHALL BE A HOOK ROD TYPE. COLD BENDING OF THE ANCHOR ROD WILL NOT BE ALLOWED. THE RADIUS OF THE HOOK BEND SHALL NOT BE LESS THAN 4 TIMES THE NOMINAL DIAMETER OF THE ANCHOR ROD. A TACK WELDED ANCHOR ROD MAY BE SUBSTITUTED WITH THE APPROVAL OF THE ENGINEER.
- THE ANCHOR BOLTS AND RACEWAYS SHALL BE PROPERLY SECURED IN PLACE BEFORE THE CONCRETE IS PLACED IN THE FORM.
- THE ANCHOR RODS SHALL BE ACCORDING TO ASTM F1554 GRADE 725 (GRADE 105), NUTS SHALL BE HEXAGON NUTS ACCORDING TO ASTM A 194 2H OR ASTM A 563 DH, AND WASHERS SHALL BE ACCORDING TO ASTM F 436.
- THE CONTRACTOR SHALL COORDINATE EXTENSION OF ANCHOR BOLTS ABOVE TOP OF FOUNDATION WITH THE BREAKAWAY DEVICE MANUFACTURER'S REQUIREMENTS. IF LIGHT POLE IS MOUNTED WITHOUT BREAKAWAY DEVICE, ANCHOR BOLTS SHALL PROJECT 2 3/4" (69.9 mm) ABOVE TOP OF THE FOUNDATION. THE CONTRACTOR SHALL CONFIRM ANCHOR BOLT EXTENTION WITH ENGINEER.
- RACEWAYS SHALL PROJECT 1" (25.4 mm) ABOVE THE TOP OF THE FOUNDATION.
- THE CABLE TRENCH SHALL BE BACKFILLED AND FIRMLY COMPACTED BEFORE THE LIGHT IS ERECTED.



BILL OF MATERIAL

MARK	NO.	SIZE	LENGTH	SHAPE
a	10	6	SEE BELOW	—
s	12	4	8'-0" (2,438 m)	□
s ₁	3	3	7'-6" (2,286 m)	□
v ₁	8	6	2'-9" (0,838 m)	—
v ₂				

OFFSET SCHEDULE

SEWER DIAM. d	PILE OFFSET FROM C-MED'N IN.	LENGTH OF BAR a FT.
UP TO 24"	3'-3"	#6 x 5'-3"
(609.6 mm)	(0.991 m)	(1.600 m)
27"	3'-9"	5'-9"
(685.8 mm) TO		
36"	(1.143 m)	(1.753 m)
42"	4'-6"	6'-6"
(1066.8 mm) TO		
48"	(1.372 m)	(1.981 m)
(1219.2 mm) TO		
54"	5'-0"	7'-0"
(1371.6 mm) TO		
60"	(1.524 m)	(2.134 m)
(1524.0 mm) TO		
66"	5'-6"	7'-6"
(1676.4 mm) TO		
72"	(1.676 m)	(2.286 m)

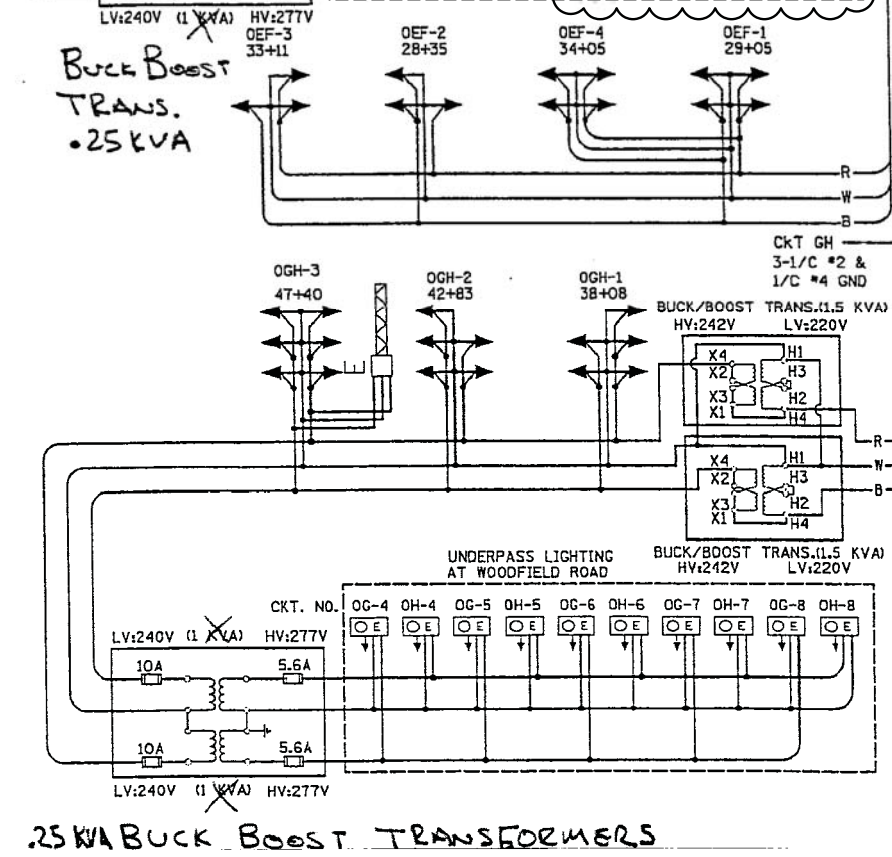
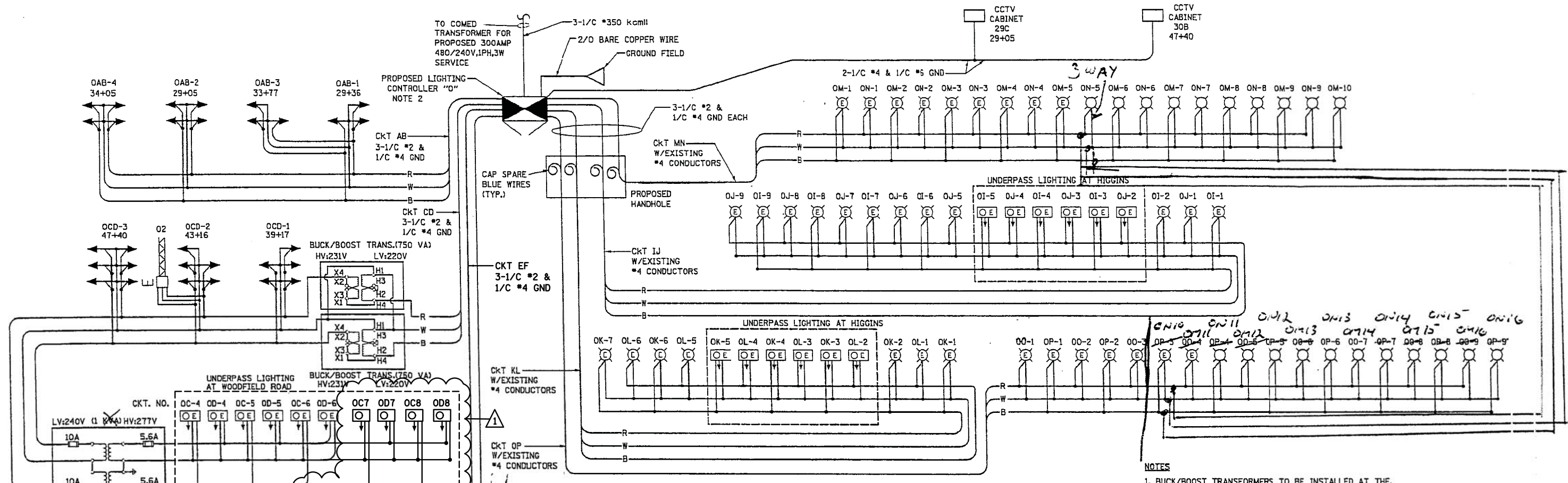
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LIGHT POLE FOUNDATION OFFSET
40" (12.192 m) TO 47 1/2" (14.478 m) M.H.
15" (381 mm) BOLT CIRCLE

SCALE: SHEET NO. 1 OF 1 SHEETS STA. TO STA.

MUN/FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3073/1689	14-00114-01-PV	COOK	282	204
BE-310		CONTRACT NO. 61F09		
ILLINOIS FED. AID PROJECT				



LOAD TABULATION FOR LIGHTING CONTROLLER "O"

CIRCUIT	DESCRIPTION	PHASE A (RED) AMPS	PHASE B (BLACK) AMPS	BREAKER SIZE AMPS
A	7 FIXTURES	27.3		70
B	7 FIXTURES		27.3	70
C	8 FIXTURES + 1 SIGN + 5 UNDERPASS	35.6		70
D	8 FIXTURES + 2 SIGN + 5 UNDERPASS		36.5	70
E	7 FIXTURES	27.3		70
F	7 FIXTURES		27.3	70
G	8 FIXTURES + 3 SIGN + 5 UNDERPASS	35.4		70
H	8 FIXTURES + 4 SIGN + 5 UNDERPASS		36.3	70
I	6 FIXTURES + 3 UNDERPASS	15.0		70
J	6 FIXTURES + 3 UNDERPASS		15.0	70
K	4 FIXTURES + 3 UNDERPASS	10.8		70
L	3 FIXTURES + 3 UNDERPASS		8.7	70
M	16 FIXTURES	33.6		70
N	16 FIXTURES		33.6	70
O	3 FIXTURES	6.3		70
P	2 FIXTURES		4.2	70
Q				70
R				70
S				70
T				70
U				70
V				70
W				70
X				70
TOTAL:		191.3	188.9	
CONNECTED LOAD:		91.2 KVA		

- NOTES**
- BUCK/BOOST TRANSFORMERS TO BE INSTALLED AT THE DISCRETION OF THE ENGINEER.
 - PROPOSED LIGHTING CONTROLLER "O" IS LOCATED AT THE NORTHWEST CORNER OF HIGGINS ROAD AND FRONTAGE ROAD.
- LEGEND**
- ← PROPOSED TOWER MOUNTED 750W HPS LUMINAIRE-240V DESIGNATION AS INDICATED
 - ⊗ EXISTING HPS LUMINAIRE TO BE REPLACED WITH HPS LUMINAIRE WITH MULTI-TAP BALLAST DESIGNATION AS INDICATED
 - ⊘ REINSTALLED LIGHTING UNIT
 - ⊙ EXISTING 150W MULTI-TAP UNDERPASS LUMINAIRE
 - ⊠ EXISTING SIGN LUMINAIRE
 - ⊡ PROPOSED LIGHTING CONTROLLER, DUPLEX TYPE WITH RADIO CONTROL AND SCADA
 - B BLACK PHASE CONDUCTOR
 - W WHITE NEUTRAL CONDUCTOR
 - R RED PHASE CONDUCTOR
 - G GREEN GROUND CONDUCTOR
 - ⊙ PROPOSED 100W PEDESTRIAN UNDERPASS LUMINAIRE

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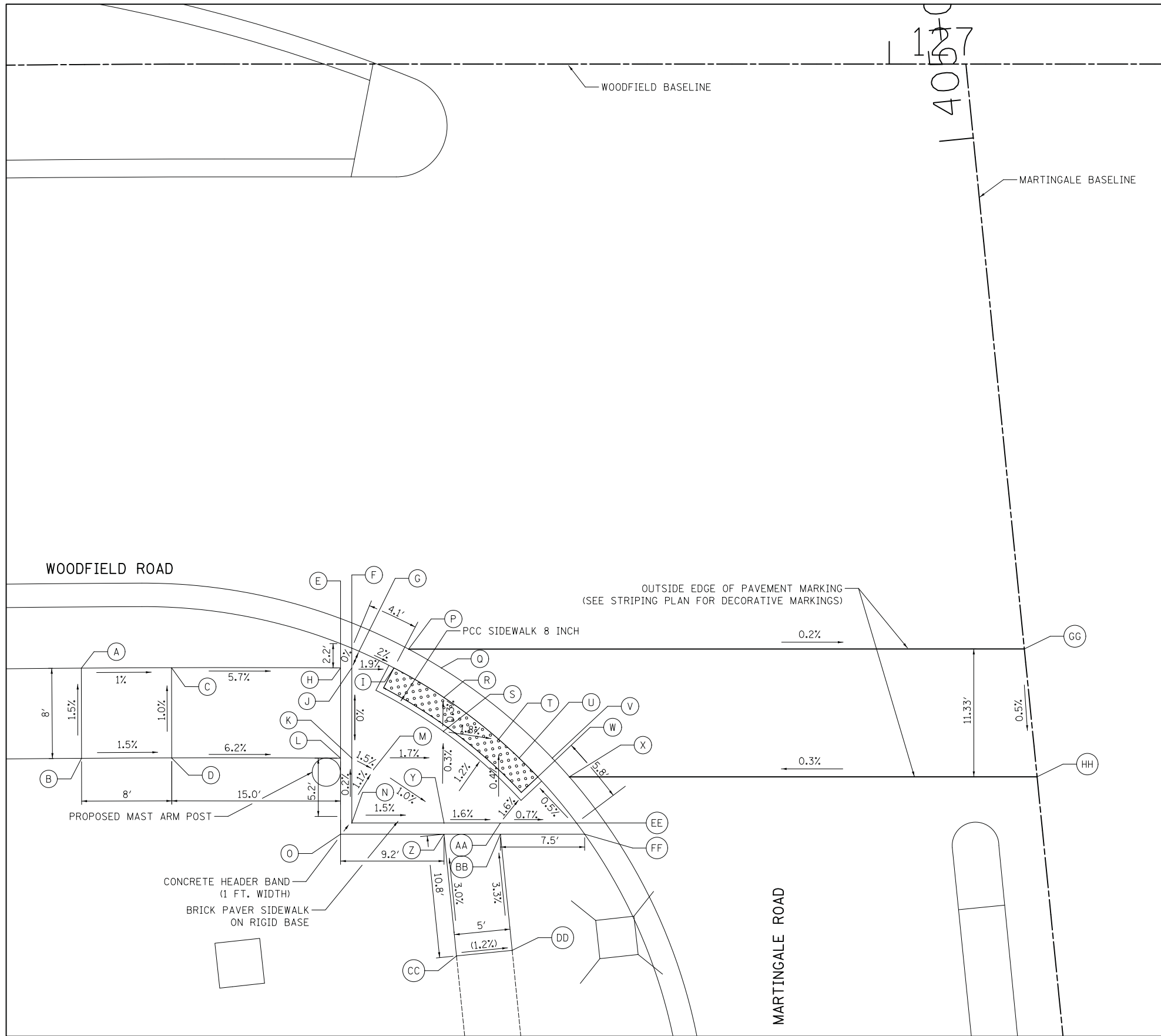
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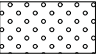
**WOODFIELD ROAD - MARTINGALE ROAD TO EAST FRONTAGE ROAD
 ILLINOIS ROUTE 53 SINGLE LINE DIAGRAM LIGHTING CONTROLLER "O"**

SCALE: NTS SHEET OF SHEETS

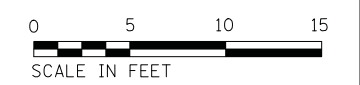
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LEGEND

- (XX.XX) EXISTING ELEVATION / SLOPE
- XX.XX PROPOSED ELEVATION / SLOPE
-  DETECTABLE WARNINGS (SPECIAL)

	STATION	OFFSET	ELEVATION
A	126+28.00	53.51' RT	731.31
B	126+27.96	61.51' RT	731.43
C	126+36.23	53.51' RT	731.23
D	126+36.23	61.51' RT	731.31
E	126+51.35	51.37' RT	730.39
F	126+52.35	51.78' RT	730.38
G	126+52.99	52.05' RT	730.37
H	126+51.35	53.53' RT	730.38
I	126+56.09	53.53' RT	730.30
J	126+52.35	53.53' RT	730.37
K	126+52.35	61.53' RT	730.37
L	126+51.35	61.53' RT	730.38
M	126+54.27	62.53' RT	730.34
N	126+52.35	67.27' RT	730.38
O	126+51.35	68.27' RT	730.40
P	126+57.39	51.86' RT	730.32
Q	126+60.28	53.53' RT	730.29
R	126+60.51	56.15' RT	730.23
S	126+60.47	59.16' RT	730.24
T	126+65.37	59.86' RT	730.15
U	126+67.19	61.52' RT	730.12
V	126+70.12	61.52' RT	730.11
W	126+68.84	63.19' RT	730.10
X	126+71.64	63.19' RT	730.07
Y	126+60.53	67.27' RT	730.26
Z	126+60.53	68.27' RT	730.27
AA	126+65.53	67.27' RT	730.18
BB	126+65.53	68.27' RT	730.19
CC	126+61.63	79.06' RT	(730.59)
DD	126+66.57	78.57' RT	(730.53)
EE	126+72.27	67.27' RT	730.13
FF	126+73.00	68.27' RT	730.14
GG	127+11.97	51.85' RT	730.22
HH	127+13.11	63.18' RT	730.16



SOUTHWEST CORNER OF WOODFIELD ROAD AND MARTINGALE ROAD

FILE NAME = ...3074_ADA_01A_Martingale.dgn



USER NAME = djk	DESIGNED - KDC	REVISED -
PLOT SCALE = 5.0000' / in.	DRAWN - KDC	REVISED -
PLOT DATE = 2/12/2019	CHECKED - DJK	REVISED -
	DATE - 01/28/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**WOODFIELD ROAD - MARTINGALE ROAD TO EAST FRONTAGE ROAD
ADA GRADING PLAN - MARTINGALE ROAD**

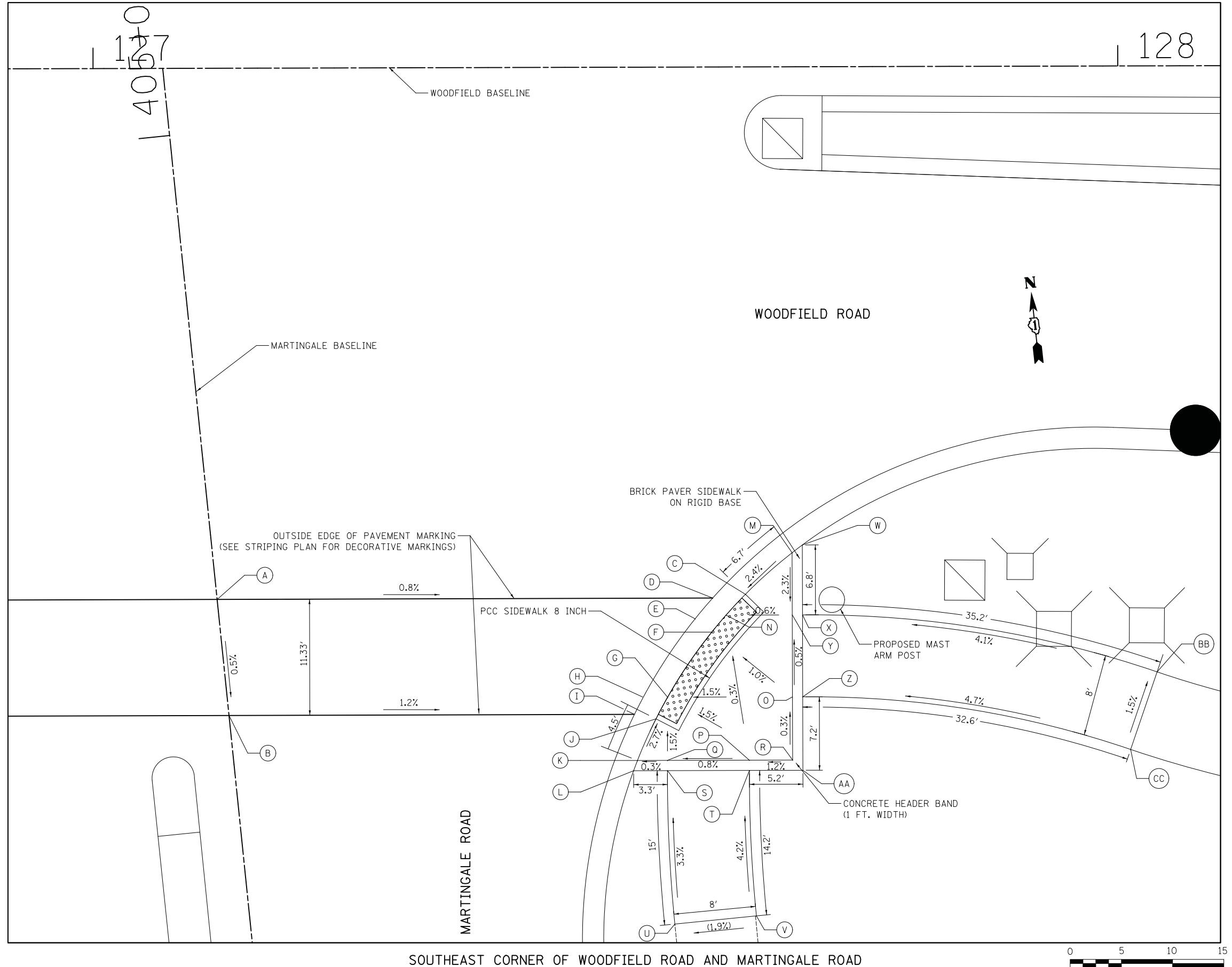
SCALE: 1" = 5' SHEET 1 OF 6 SHEETS

MUN/FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3073/1689	14-00114-01-PV	COOK	282	206
CONTRACT NO. 61F09				
ILLINOIS FED. AID PROJECT				

LEGEND

- (XX.XX) EXISTING ELEVATION / SLOPE
- XX.XX PROPOSED ELEVATION / SLOPE
- DETECTABLE WARNINGS (SPECIAL)

	STATION	OFFSET	ELEVATION
A	127+11.97	51.85' RT	730.22
B	127+13.11	63.18' RT	730.16
C	127+63.53	51.48' RT	729.80
D	127+60.33	51.84' RT	729.83
E	127+58.62	53.86' RT	729.79
F	127+60.24	55.16' RT	729.76
G	127+55.91	61.50' RT	729.68
H	127+53.51	61.50' RT	729.69
I	127+52.67	63.17' RT	729.68
J	127+54.77	63.61' RT	729.64
K	127+52.96	67.67' RT	729.76
L	127+52.58	68.67' RT	729.79
M	127+68.10	47.43' RT	729.96
N	127+61.64	53.50' RT	729.78
O	127+68.10	61.50' RT	729.86
P	127+63.88	67.67' RT	729.83
Q	127+55.88	67.67' RT	729.77
R	127+68.10	67.67' RT	729.88
S	127+55.88	68.67' RT	729.78
T	127+63.88	68.67' RT	729.84
U	127+56.56	83.65' RT	(730.28)
V	127+64.52	82.87' RT	(730.43)
W	127+69.10	46.67' RT	729.98
X	127+69.10	53.50' RT	729.83
Y	127+68.10	53.50' RT	729.82
Z	127+69.10	61.50' RT	729.87
AA	127+69.10	68.67' RT	729.89
BB	128+03.69	59.15' RT	731.29
CC	128+01.08	66.72' RT	731.41



SOUTHEAST CORNER OF WOODFIELD ROAD AND MARTINGALE ROAD



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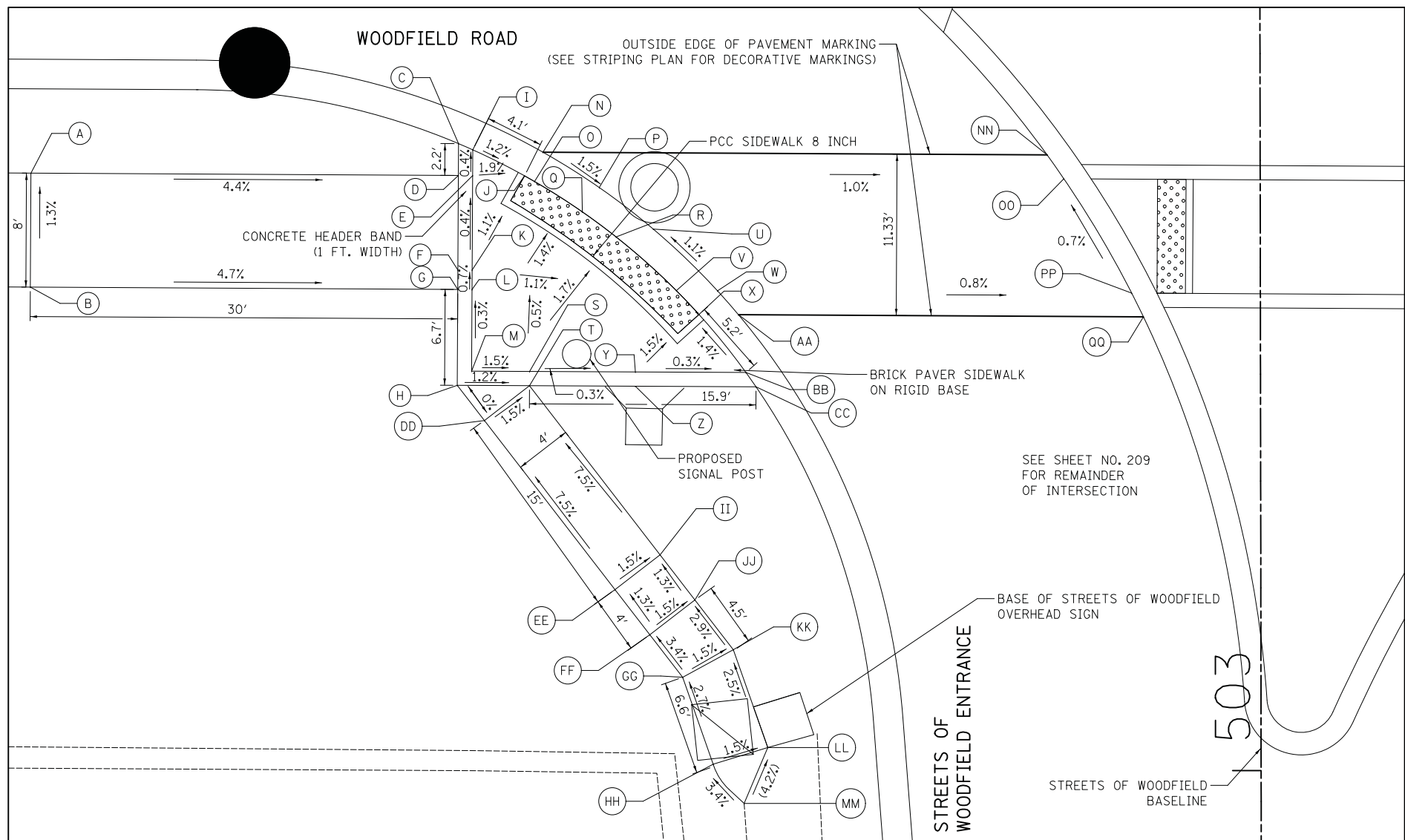
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PLOT DATE = 2/12/2019	CHECKED - DJK	REVISED -
	DATE - 01/28/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**WOODFIELD ROAD - MARTINGALE ROAD TO EAST FRONTAGE ROAD
ADA GRADING PLAN - MARTINGALE ROAD**

SCALE: 1" = 5' SHEET 2 OF 6 SHEETS

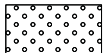
MUN/FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3073/1689	14-00114-01-PV	COOK	282	207
CONTRACT NO. 61F09				
ILLINOIS FED. AID PROJECT				



SOUTHWEST CORNER OF WOODFIELD ROAD AND STREETS OF WOODFIELD ENTRANCE

	STATION	OFFSET	ELEVATION
A	131+69.30	66.18' RT	721.94
B	131+69.25	74.18' RT	722.04
C	131+99.31	64.10' RT	720.61
D	131+99.30	66.34' RT	720.61
E	132+00.30	66.34' RT	720.60
F	131+99.26	72.97' RT	720.63
G	131+99.25	74.34' RT	720.64
H	131+99.22	81.07' RT	720.66
I	132+00.31	64.54' RT	720.59
J	132+03.94	66.36' RT	720.54
K	132+00.26	72.98' RT	720.62
L	132+00.25	74.34' LT	720.63
M	132+00.22	80.08' RT	720.65
N	132+05.23	64.70' RT	720.46
O	132+04.64	66.76' RT	720.52
P	132+09.18	67.19' RT	720.40
Q	132+08.00	68.90' RT	720.46
R	132+10.37	70.66' RT	720.40
S	132+04.29	80.10' RT	720.59
T	132+04.29	81.10' RT	720.60
U	132+12.98	70.10' RT	720.34
V	132+14.59	74.42' RT	720.46
W	132+17.48	74.44' RT	720.41
X	132+16.18	76.10' RT	720.48
Y	132+11.72	80.13' RT	720.57
Z	132+11.72	81.13' RT	720.58
AA	132+18.95	76.11' RT	720.43
BB	132+19.48	80.17' RT	720.55
CC	132+20.19	81.17' RT	720.50
DD	132+01.12	83.54' RT	720.66
EE	132+10.29	95.41' RT	721.79
FF	132+12.73	98.58' RT	721.84
GG	132+15.04	101.57' RT	721.97
HH	132+17.18	107.67' RT	722.15
II	132+13.45	92.97' RT	721.73
JJ	132+15.90	96.14' RT	721.78
KK	132+18.62	99.70' RT	721.91
LL	132+21.01	106.50' RT	(722.09)
MM	132+19.35	110.42' RT	(722.27)
NN	132+40.62	64.90' RT	720.11
OO	132+41.79	66.57' RT	720.12
PP	132+46.55	74.60' RT	720.19
QQ	132+47.38	76.27' RT	720.25

LEGEND

- (XX.XX) EXISTING ELEVATION / SLOPE
- XX.XX PROPOSED ELEVATION / SLOPE
-  DETECTABLE WARNINGS (SPECIAL)



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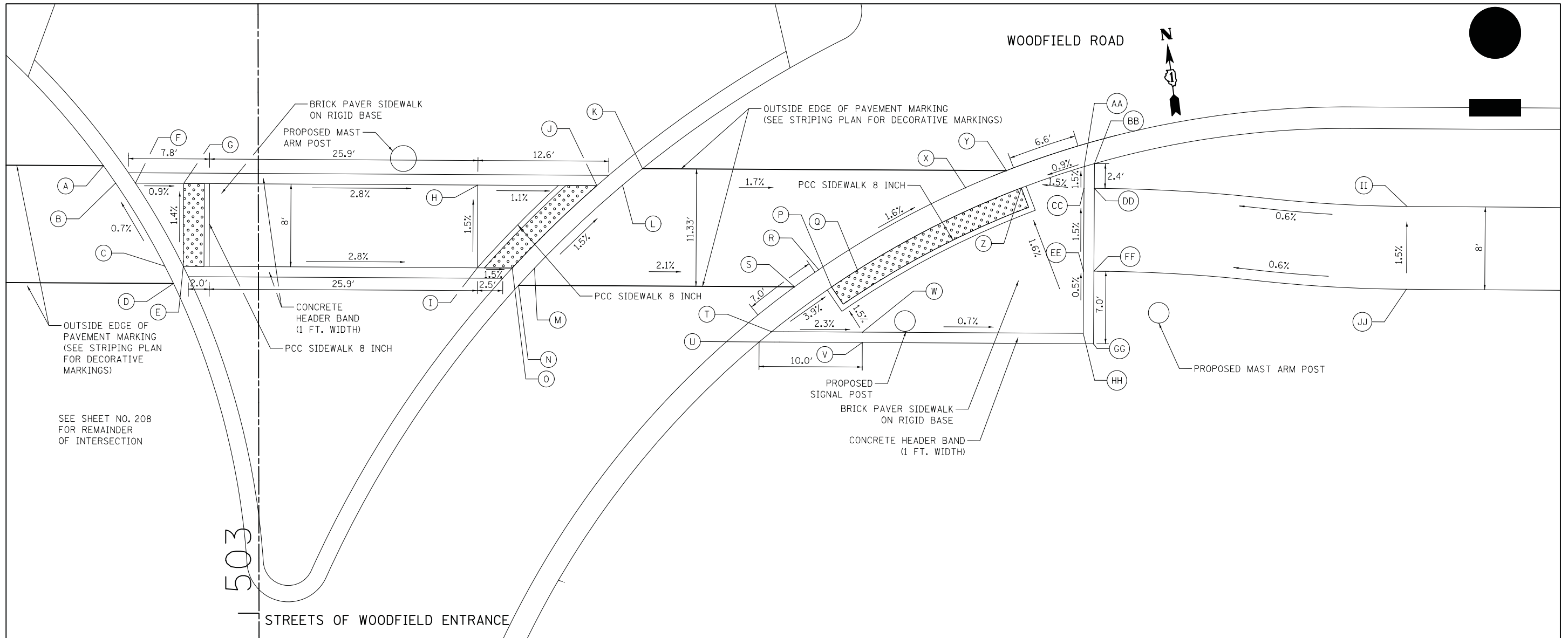
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DRAWN - KDC	REVISIONS -	
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PLOT DATE = 2/12/2019	DATE - 01/28/2019	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WOODFIELD ROAD - MARTINGALE ROAD TO EAST FRONTAGE ROAD
ADA GRADING PLAN - STREETS OF WOODFIELD ENTRANCE

SCALE: 1" = 5' SHEET 3 OF 6 SHEETS

MUN/FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3073/1689	14-00114-01-PV	COOK	282	208
CONTRACT NO. 61F09				
ILLINOIS FED. AID PROJECT				




SEE SHEET NO. 208 FOR REMAINDER OF INTERSECTION

WOODFIELD ROAD AND STREETS OF WOODFIELD ENTRANCE

STATION	OFFSET	ELEVATION
A	132+40.62	64.90' RT 720.11
B	132+41.79	66.57' RT 720.12
C	132+46.55	74.60' RT 720.19
D	132+47.38	76.27' RT 720.25
E	132+48.32	74.60' RT 720.19
F	132+43.70	66.58' RT 720.12
G	132+48.37	66.60' RT 720.08
H	132+76.76	66.76' RT 719.28
I	132+76.72	74.76' RT 719.40
J	132+88.25	66.82' RT 719.15
K	132+92.66	65.18' RT 719.09
L	132+90.73	66.77' RT 719.13
M	132+82.23	74.79' RT 719.31
N	132+80.69	76.45' RT 719.40
O	132+80.08	74.78' RT 719.36
P	133+10.91	76.61' RT 718.76
Q	133+13.42	74.96' RT 718.70
R	133+09.67	74.94' RT 718.79
S	133+07.33	76.59' RT 718.84

STATION	OFFSET	ELEVATION
T	133+05.11	80.92' RT 719.04
U	133+03.92	81.91' RT 719.06
V	133+13.88	81.97' RT 718.85
W	133+13.89	80.97' RT 718.84
X	133+23.84	67.01' RT 718.53
Y	133+27.78	65.37' RT 718.50
Z	133+29.22	67.04' RT 718.46
AA	133+35.29	64.98' RT 718.52
BB	133+36.30	64.69' RT 718.64
CC	133+35.28	67.07' RT 718.55
DD	133+36.28	67.08' RT 718.56
EE	133+35.24	75.07' RT 718.67
FF	133+36.24	75.08' RT 718.68
GG	133+36.20	82.09' RT 718.72
HH	133+35.21	81.08' RT 718.70
II	133+66.46	68.83' RT 718.75
JJ	133+66.41	76.83' RT 718.87

LEGEND

- (XX.XX) EXISTING ELEVATION / SLOPE
- XX.XX PROPOSED ELEVATION / SLOPE
-  DETECTABLE WARNINGS (SPECIAL)



FILE NAME = ...\\3074_ADA_02A_StreetsofWoodfield.dgn



USER NAME = djk
 PLOT SCALE = 5.0000' / in.
 PLOT DATE = 2/12/2019

DESIGNED - KDC
 DRAWN - KDC
 CHECKED - DJK
 DATE - 01/28/2019

REVISED -
 REVISED -
 REVISED -
 REVISED -

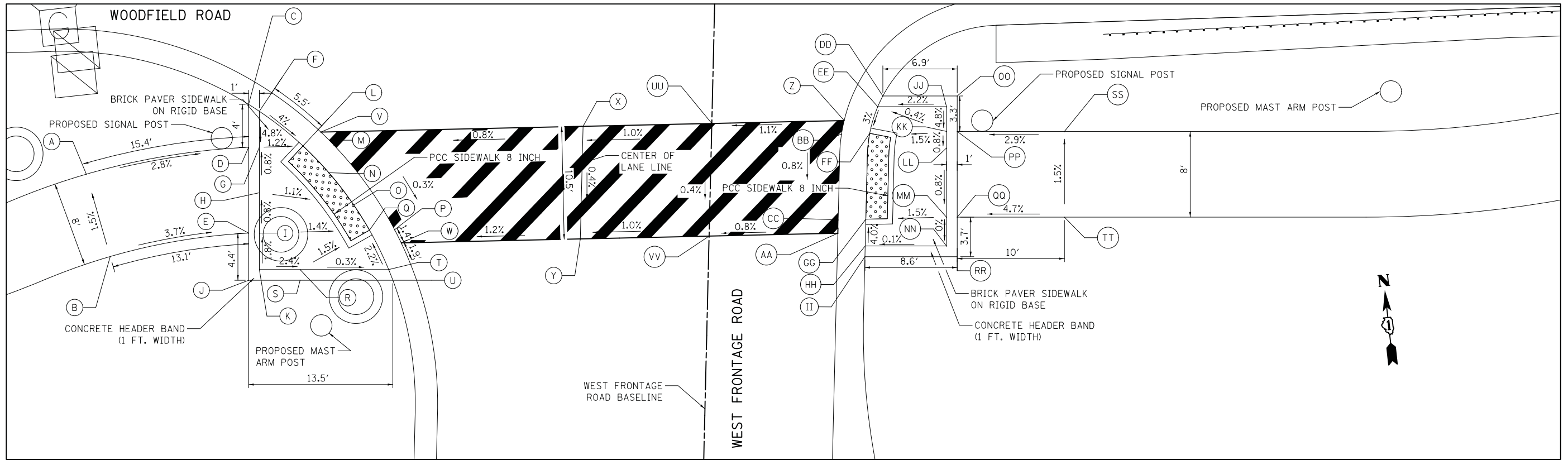
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**WOODFIELD ROAD - MARTINGALE ROAD TO EAST FRONTAGE ROAD
 ADA GRADING PLAN - STREETS OF WOODFIELD ENTRANCE**

SCALE: 1" = 5' SHEET 4 OF 6 SHEETS

MUN/FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3073/1689	14-00114-01-PV	COOK	282	209
CONTRACT NO. 61F09				

ILLINOIS FED. AID PROJECT



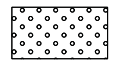
WOODFIELD ROAD AND WEST FRONTAGE ROAD

	STATION	OFFSET	ELEVATION
A	137+30.29	62.99' RT	719.52
B	137+32.52	70.67' RT	719.64
C	137+45.43	56.47' RT	719.25
D	137+45.43	60.48' RT	719.09
E	137+45.43	68.49' RT	719.15
F	137+46.43	57.12' RT	719.24
G	137+46.43	60.48' RT	719.08
H	137+46.43	64.72' RT	719.11
I	137+46.43	68.49' RT	719.14
J	137+45.43	72.89' RT	719.21
K	137+46.43	71.89' RT	719.20
L	137+50.50	60.35' RT	719.03
M	137+53.39	60.29' RT	719.05
N	137+52.92	62.85' RT	719.02
O	137+55.24	65.86' RT	719.01
P	137+59.05	68.17' RT	719.02
Q	137+56.71	68.22' RT	719.00
R	137+50.23	71.89' RT	719.11
S	137+50.23	72.89' RT	719.12
T	137+58.49	71.89' RT	719.09
U	137+58.89	72.89' RT	719.10
V	137+52.17	59.06' RT	719.06
W	137+59.67	69.40' RT	719.01
X	137+76.63	58.52' RT	719.25
Y	137+76.38	69.03' RT	719.21

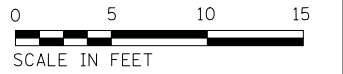
LEGEND

(XX.XX) EXISTING ELEVATION / SLOPE

XX.XX PROPOSED ELEVATION / SLOPE

 DETECTABLE WARNINGS (SPECIAL)

	STATION	OFFSET	ELEVATION
Z	138+00.99	57.98' RT	719.51
AA	138+00.39	68.50' RT	719.43
BB	138+00.74	59.24' RT	719.50
CC	138+00.42	67.25' RT	719.44
DD	138+04.59	55.69' RT	719.53
EE	138+04.12	56.69' RT	719.52
FF	138+03.37	59.18' RT	719.44
GG	138+03.01	67.19' RT	719.38
HH	138+02.95	69.69' RT	719.48
II	138+02.92	70.69' RT	719.49
JJ	138+10.53	56.69' RT	719.66
KK	138+10.53	59.00' RT	719.55
LL	138+10.53	60.55' RT	719.54
MM	138+10.53	67.00' RT	719.49
NN	138+10.53	69.69' RT	719.49
OO	138+11.53	55.69' RT	719.68
PP	138+11.53	59.00' RT	719.56
QQ	138+11.53	67.00' RT	719.50
RR	138+11.53	70.69' RT	719.47
SS	138+21.53	59.00' RT	719.85
TT	138+21.53	67.00' RT	719.97
UU	137+88.64	58.26' RT	719.37
VV	137+88.38	68.76' RT	719.33



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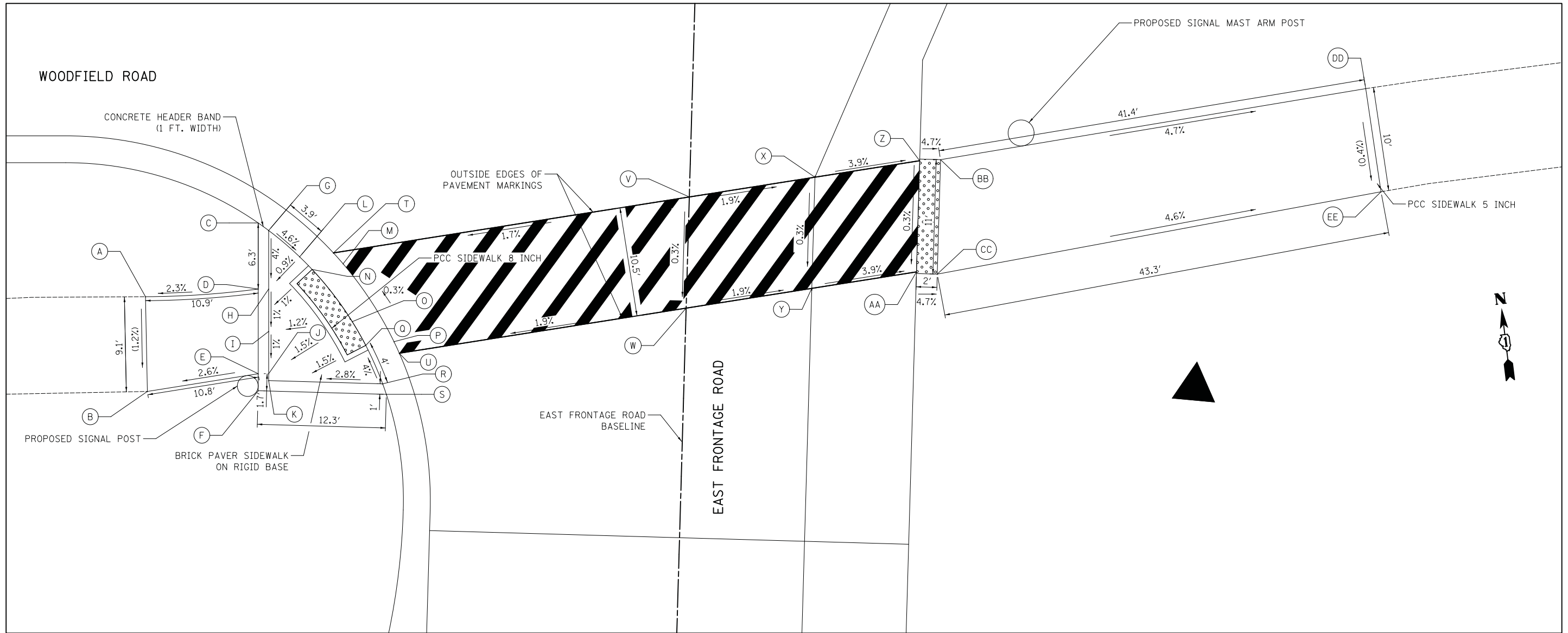
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	DATE - 01/28/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**WOODFIELD ROAD - MARTINGALE ROAD TO EAST FRONTAGE ROAD
ADA GRADING PLAN - I-290 FRONTAGE ROADS**

SCALE: 1" = 5' SHEET 5 OF 6 SHEETS

MUN/FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3073/1689	14-00114-01-PV	COOK	282	210
CONTRACT NO. 61F09				
ILLINOIS FED. AID PROJECT				




WOODFIELD ROAD AND EAST FRONTAGE ROAD

	STATION	OFFSET	ELEVATION
A	142+51.28	45.45' RT	(720.74)
B	142+51.46	54.55' RT	(720.63)
C	142+62.11	38.37' RT	721.23
D	142+62.11	44.71' RT	720.99
E	142+62.11	52.85' RT	720.91
F	142+62.11	54.48' RT	720.90
G	142+63.11	39.09' RT	721.22
H	142+63.11	44.71' RT	721.00
I	142+63.11	48.78' RT	720.96
J	142+63.11	52.85' RT	720.92
K	142+63.11	53.51' RT	720.92
L	142+66.08	41.62' RT	721.04
M	142+70.25	42.29' RT	721.11
N	142+67.28	42.83' RT	721.04
O	142+71.13	47.85' RT	721.06
P	142+75.13	49.77' RT	721.14
Q	142+72.42	50.12' RT	721.07
R	142+74.05	53.82' RT	721.23
S	142+74.40	54.83' RT	721.24
T	142+69.32	41.24' RT	721.10
U	142+75.64	50.88' RT	721.14
V	143+03.48	35.87' RT	721.70
W	143+03.17	46.55' RT	721.67

	STATION	OFFSET	ELEVATION
X	143+15.54	33.97' RT	721.47
Y	143+15.23	44.65' RT	721.44
Z	143+25.59	32.39' RT	721.07
AA	143+25.28	43.07' RT	721.04
BB	143+27.59	32.29' RT	720.98
CC	143+27.28	43.29' RT	720.95
DD	143+68.40	25.47' RT	(719.01)
EE	143+69.87	35.37' RT	(718.97)

LEGEND

- (XX.XX) EXISTING ELEVATION / SLOPE
- XX.XX PROPOSED ELEVATION / SLOPE
-  DETECTABLE WARNINGS (SPECIAL)



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	DATE - 01/28/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**WOODFIELD ROAD - MARTINGALE ROAD TO EAST FRONTAGE ROAD
ADA GRADING PLAN - I-290 FRONTAGE ROADS**

SCALE: 1" = 5' SHEET 6 OF 6 SHEETS

MUN/FAU RTE. 3073/ 1689	SECTION 14-00114-01-PV	COUNTY COOK	TOTAL SHEETS 282	SHEET NO. 211
CONTRACT NO. 61F09				
ILLINOIS FED. AID PROJECT				

PGL OFFSET TABLE

STATION	PGL OFFSET		COMMENT
	LT	RT	
126+41.05	10.00'	10.00'	
126+50	9.98'	10.00'	
126+53.72	9.96'	10.00'	START LT 150:1 TAPER
126+75	9.82'	10.00'	
127+00	9.65'	10.00'	
127+25	9.48'	10.00'	
127+50	9.32'	10.00'	
127+67	9.20'	10.00'	START RT 300' TAPER
127+75	9.15'	10.31'	
128+00	8.98'	11.28'	
128+25	8.82'	12.25'	
128+50	8.65'	13.22'	
128+75	8.48'	14.18'	
129+00	8.32'	15.15'	
129+25	8.15'	16.12'	
129+50	7.98'	17.09'	
129+75	7.82'	18.06'	
130+00	7.65'	19.03'	
130+25	7.48'	20.00'	
130+50	7.32'	20.97'	
130+67	7.20'	21.62'	END RT 300' TAPER, START 185:1 TAPER
130+75	7.15'	21.67'	
131+00	6.98'	21.80'	
131+25	6.82'	21.94'	
131+50	6.65'	22.07'	
131+75	6.48'	22.21'	
132+00	6.32'	22.34'	
132+25	6.15'	22.48'	
132+47.38	6.00'	22.60'	END LT 150:1 TAPER
132+50		22.61'	
132+75		22.75'	
133+00		22.88'	
133+25		23.02'	
133+50		23.15'	
133+75		23.29'	
134+00		23.42'	
134+23.48		23.55'	START RT 30:1 TAPER
134+25		23.50'	
134+50		22.67'	
134+75		21.83'	
135+00		21.00'	
135+25		20.17'	
135+50		19.33'	
135+75		18.50'	
136+00		17.67'	
136+25		16.83'	
136+50		16.00'	
136+75		15.17'	
137+00		14.33'	
137+25		13.50'	
137+50		12.67'	
137+75		11.83'	
138+00		11.00'	
138+25		10.17'	
138+50		9.33'	
138+75		8.50'	
139+00		7.67'	
139+25		6.83'	
139+50		6.00'	END RT 30:1 TAPER

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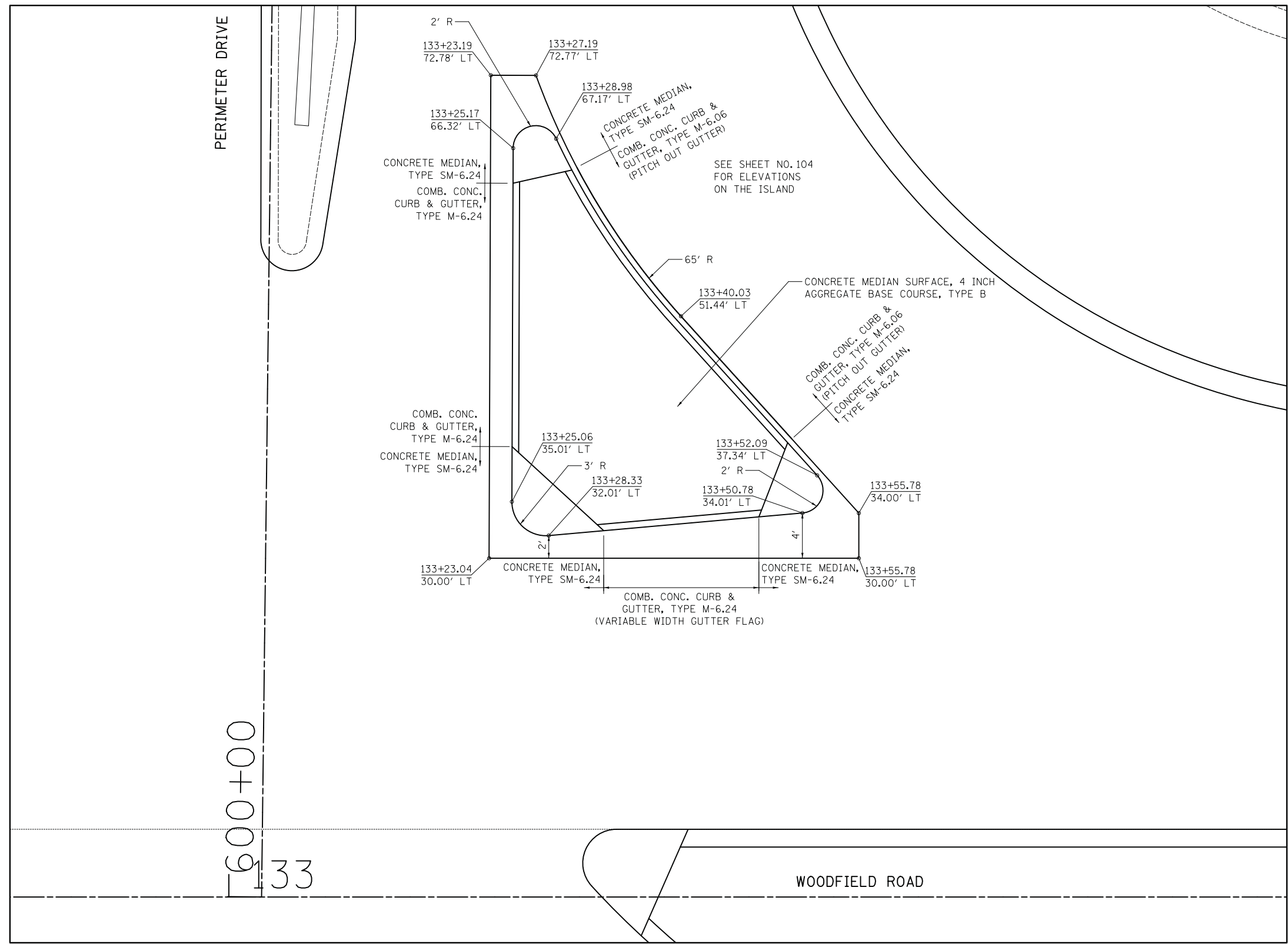
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PLOT DATE = 2/12/2019	DATE - 01/28/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**WOODFIELD ROAD - MARTINGALE ROAD TO EAST FRONTAGE ROAD
ROADWAY DETAILS**

SCALE: SHEET 1 OF 1 SHEETS

MUN/FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3073/ 1689	14-00114-01-PV	COOK	282	212
CONTRACT NO. 61F09			ILLINOIS FED. AID PROJECT	



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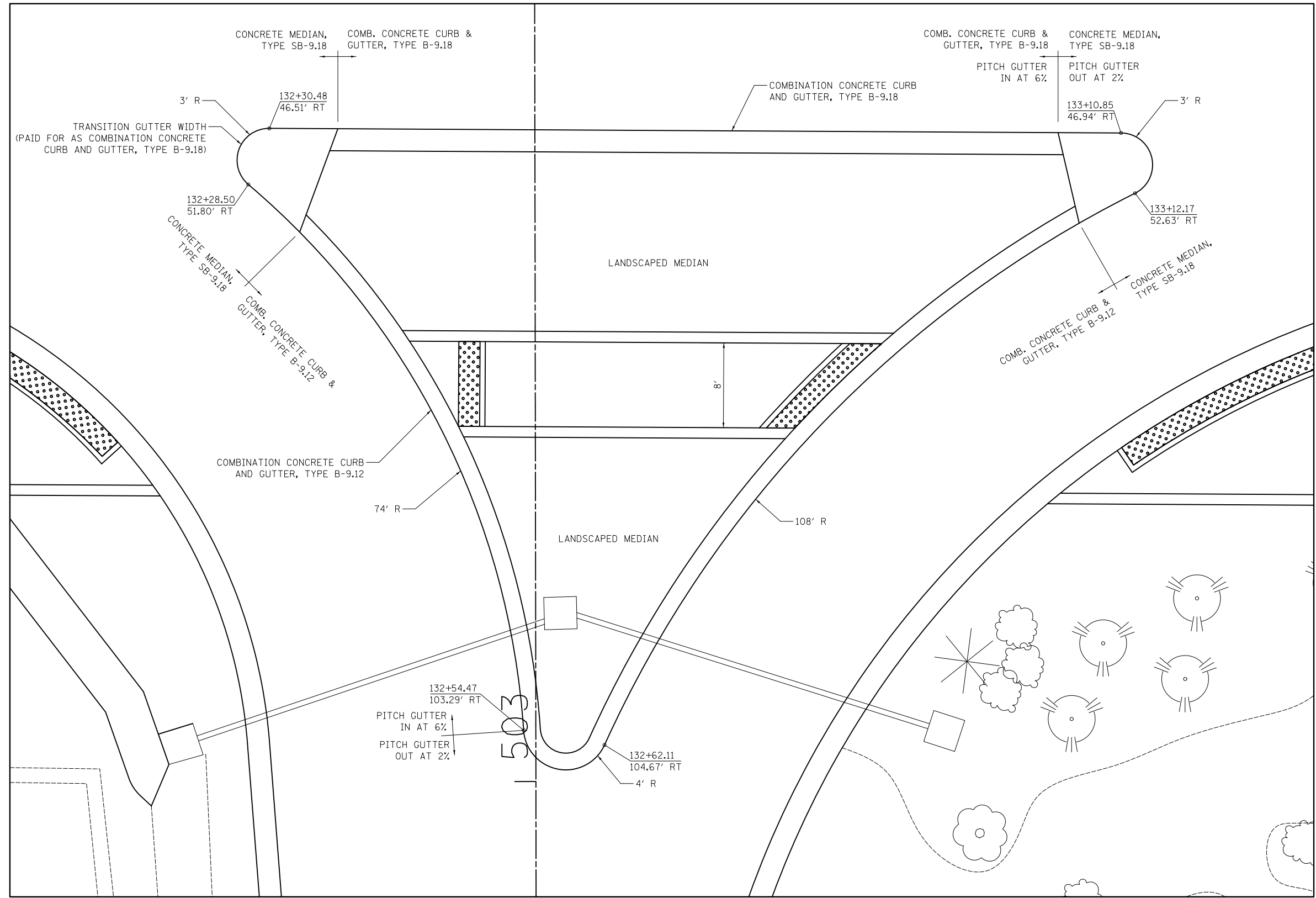
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	DRAWN - KDC	REVISED -
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PLOT DATE = 2/12/2019	DATE - 01/28/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**WOODFIELD ROAD - MARTINGALE ROAD TO EAST FRONTAGE ROAD
ISLAND DETAILS**

SCALE: 1"=5' SHEET 1 OF 2 SHEETS

MUN/FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3073/1689	14-00114-01-PV	COOK	282	213
CONTRACT NO. 61F09				
ILLINOIS FED. AID PROJECT				



ISLAND AT STREETS OF WOODFIELD ENTRANCE

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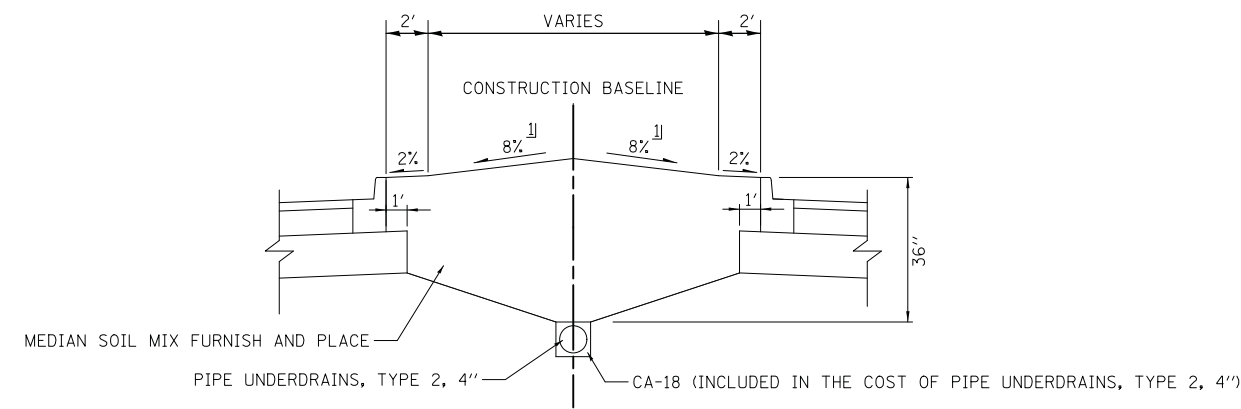
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PLOT DATE = 2/12/2019	DATE - 01/28/2019	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WOODFIELD ROAD - MARTINGALE ROAD TO EAST FRONTAGE ROAD
ISLAND DETAILS

SCALE: 1"=5' SHEET 2 OF 2 SHEETS

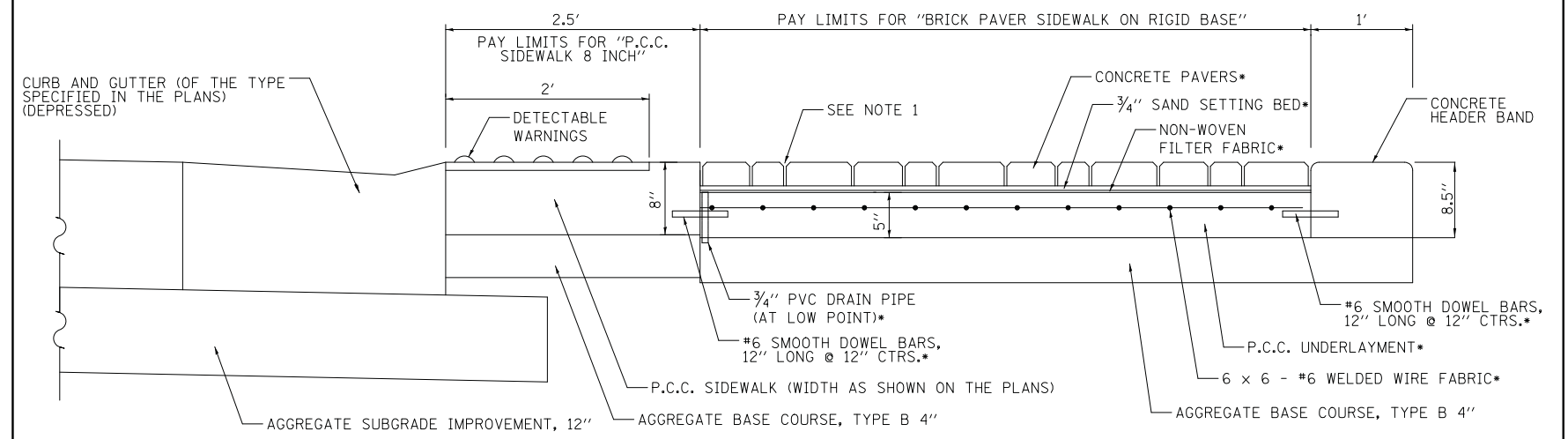
MUN/FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3073/ 1689	14-00114-01-PV	COOK	282	214
CONTRACT NO. 61F09				
ILLINOIS FED. AID PROJECT				



LANDSCAPE MEDIAN DETAIL

NOT TO SCALE

∩ VARY SLOPE ON SIDE OF LEFT TURN LANE TAPERS



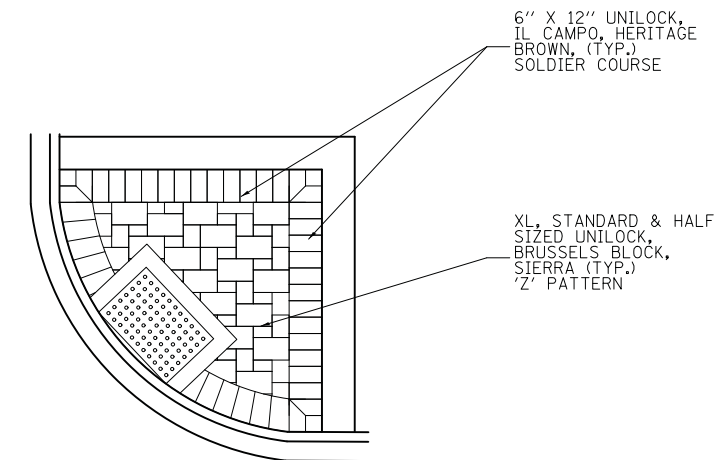
CONCRETE PAVER SIDEWALK - CORNER DETAIL

NOT TO SCALE

* INCLUDED IN COST OF "BRICK PAVER SIDEWALK ON RIGID BASE"

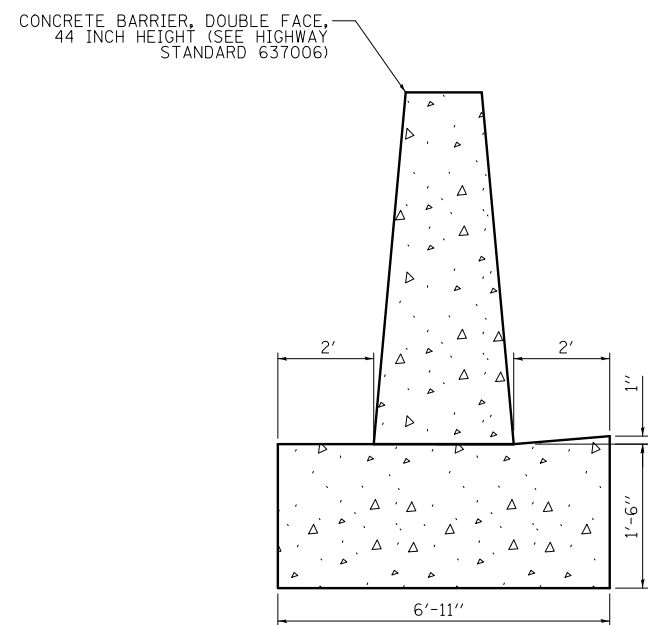
NOTES:

1. SWEEP SAND INTO JOINTS. MECHANICALLY COMPACT. REPEAT PROCEDURE AFTER 48 HOURS.



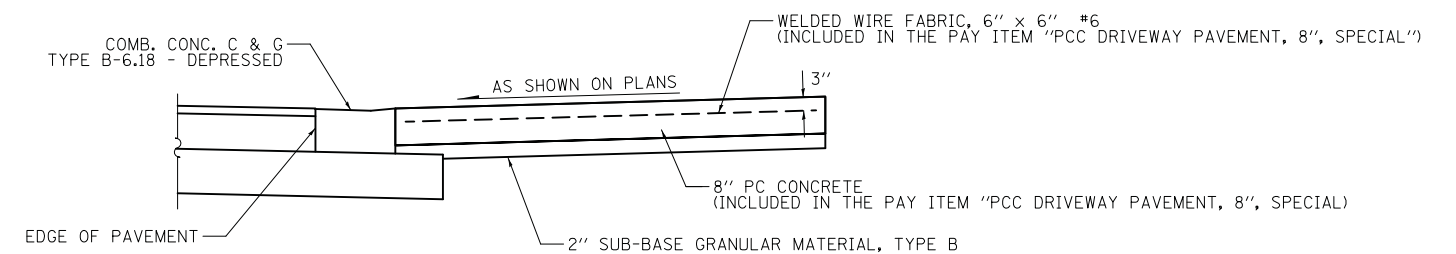
PAVER PATTERN DETAIL (TYPICAL)

NOT TO SCALE



CONCRETE BARRIER BASE DETAIL

NOT TO SCALE



PCC COMMERCIAL DRIVEWAY DETAIL

NOT TO SCALE

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**WOODFIELD ROAD - MARTINGALE ROAD TO EAST FRONTAGE ROAD
ROADWAY DETAILS**

SCALE: NTS SHEET 1 OF 5 SHEETS

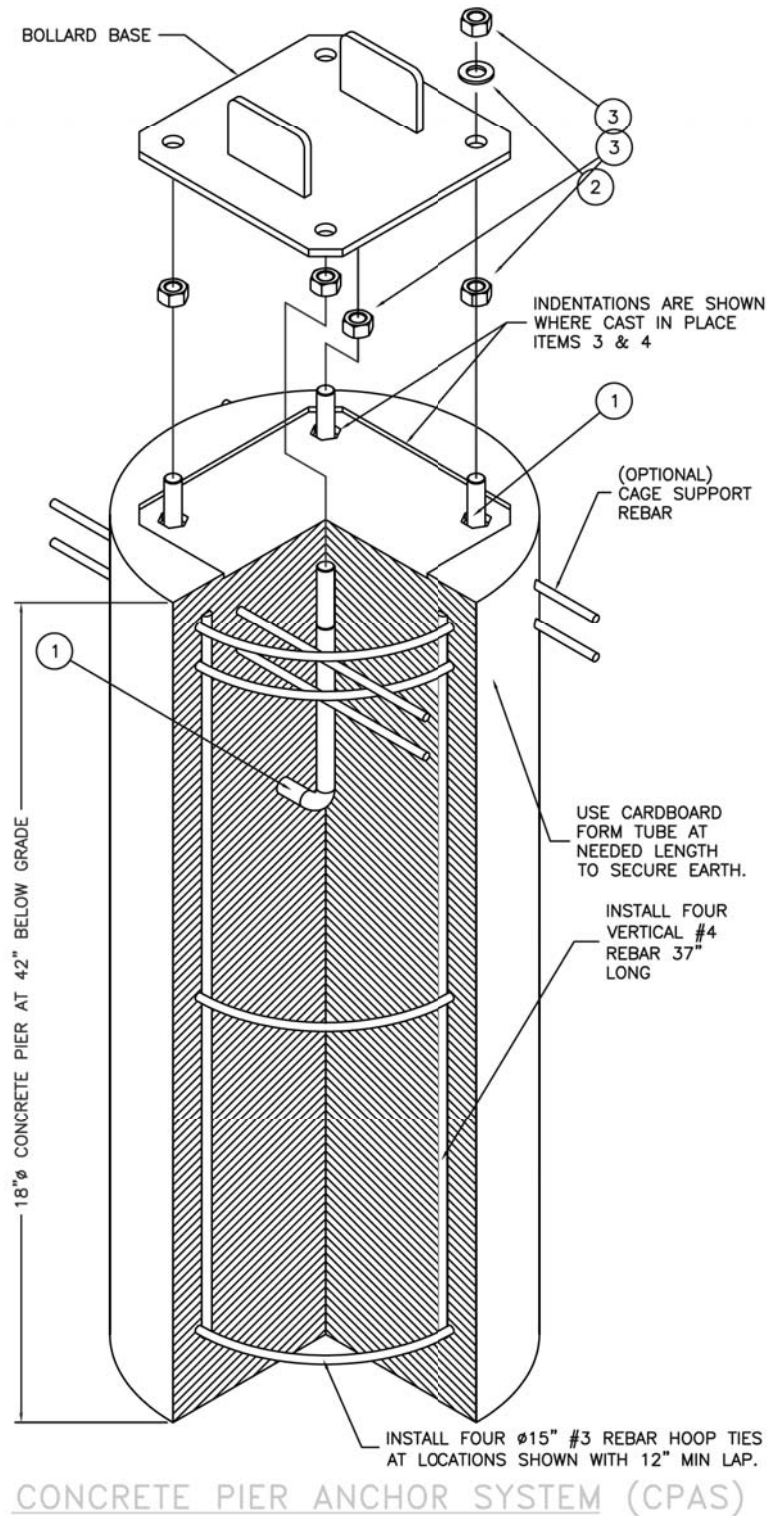
MUN/FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3073/ 1689	14-00114-01-PV	COOK	282	215
CONTRACT NO. 61F09				
ILLINOIS FED. AID PROJECT				

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	DATE - 01/28/2019	REVISED -

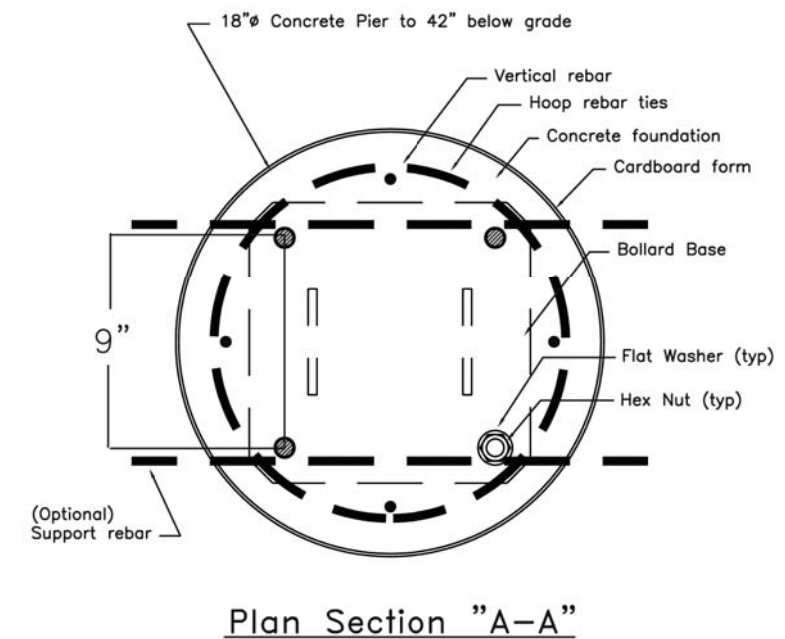
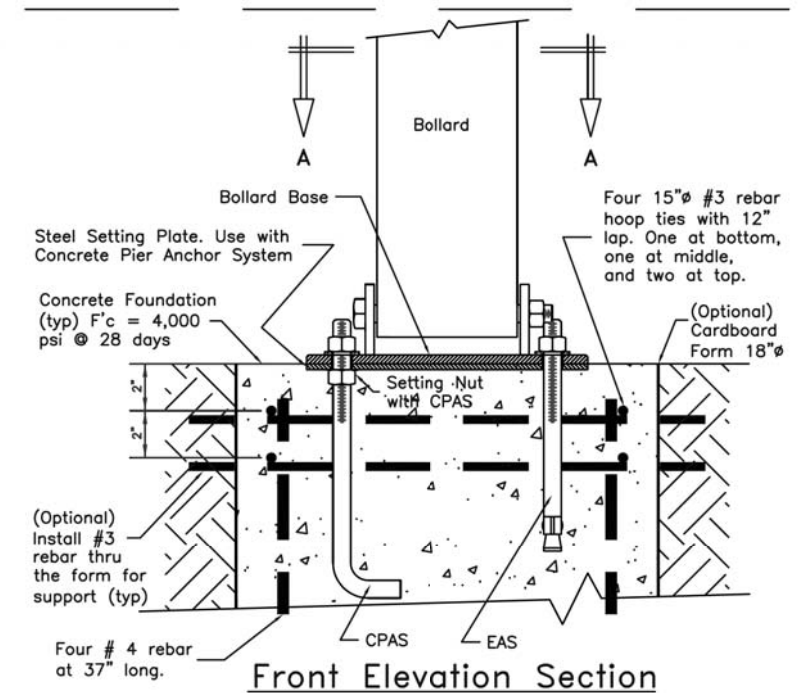
BILL OF MATERIAL		
ITEM PART #	DESCRIPTION	QTY.
* 9001	CPAS KIT - INCLUDES THE FOLLOWING PART NUMBERS	*
1 0002	Ø3/4" x 12" TYPE L ANCHOR BOLT-H.D.G.	4
2 0007	Ø3/4" TYPE A FLAT NARROW WASHER GALVANIZED STEEL	4
3 0006	Ø3/4" HEX NUT GALVANIZED STEEL	8

NOTE: CONCRETE, FORM AND REBAR PROVIDED BY OTHERS



These Anchorage systems are designed for the noted loading based on a quality substrate material and proper installation, by the customer's contractor. The installation shall conform to the drawing and the manufacturer's instructions. The customer is responsible to determine the adequate quality of new or existing concrete and the earth substrate. The concrete shall be solid and uncracked with adequate thickness for the anchors and a compressive strength of F_c' (minimum)=4,000 pounds per square inch. The earth shall have an unconfined strength of Q_u (minimum)=4,000 pounds per square foot. If you have questionable substrates, contact your local structural engineer for appropriate anchorage evaluation and/or anchorage design. A test installation may be required to determine the adequacy of the anchorage system for your specific installation. Call PARS Direct for installation guidance, if needed.

Anchor Installation Note



THIS WORK SHALL BE PAID FOR AS "FOLD DOWN BOLLARDS".

FILE NAME = ...17-Details\3874_Details_01.dgn

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PLOT SCALE = 1.0000' / 1in.	DRAWN - KDC	REVISED -
PLOT DATE = 2/12/2019	CHECKED - DJK	REVISED -
	DATE - 01/28/2019	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WOODFIELD ROAD - MARTINGALE ROAD TO EAST FRONTAGE ROAD
ROADWAY DETAILS

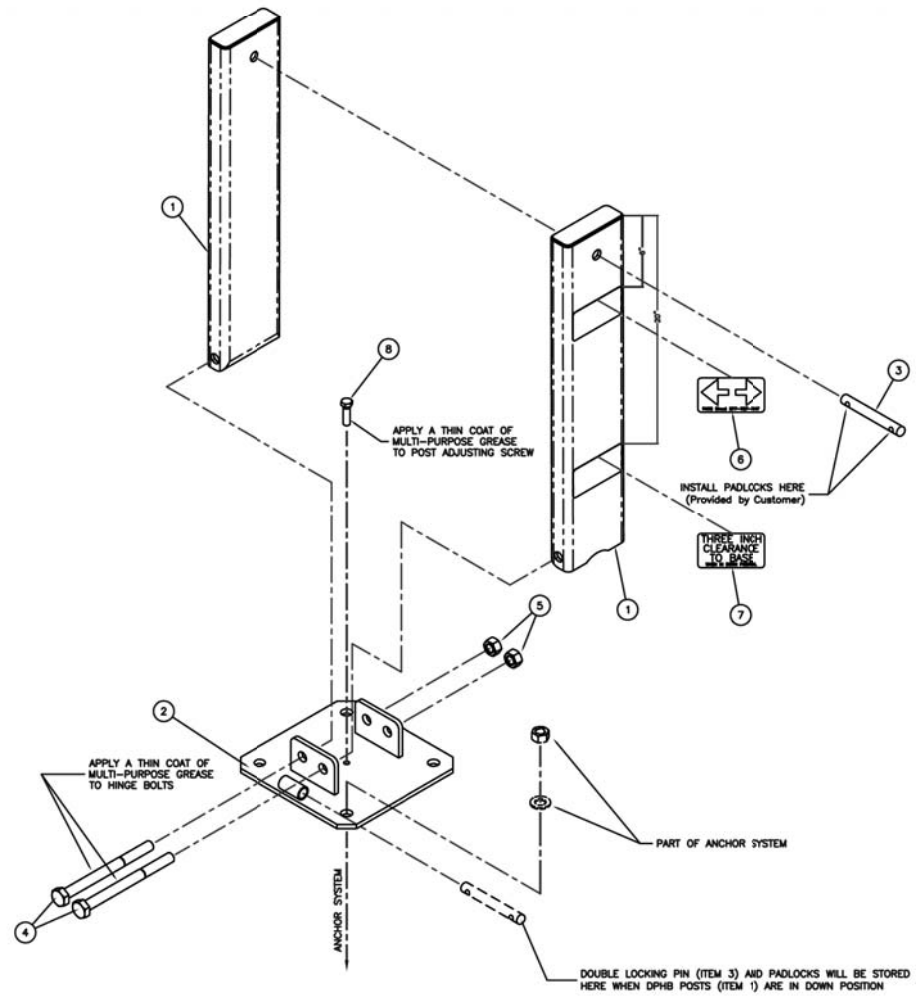
SCALE: NTS SHEET 2 OF 5 SHEETS

MUN/FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3073/1689	14-00114-01-PV	COOK	282	216
CONTRACT NO. 61F09				
ILLINOIS FED. AID PROJECT				

LEVELING BOLT INSTRUCTIONS:

1. START 1/2" (13) X 1 3/4" 18-8 STAINLESS STEEL HEX IN CENTER HOLE OF BASE PLATE.
(THREADS HAVE BEEN LEFT PAINTED FOR A TIGHT FIT)
2. TURN BOLT SLIGHTLY THROUGH BASE.
3. INSTALL POSTS AND LOCKING UPRIGHT POSITION.
4. BEGIN RAISING LEVELING BOLT WITH WRENCH UNTIL CONTACT IS MADE WITH POSTS.
RESULTS WILL BE A STABLE SET OF POSTS.

TrafficGuard
"Authorities on Limiting Access"
 P.O. Box 201, Geneva, IL. 60134
 877-727-7347
 www.trafficguard.net



THIS WORK SHALL BE PAID FOR AS "FOLD DOWN BOLLARDS".

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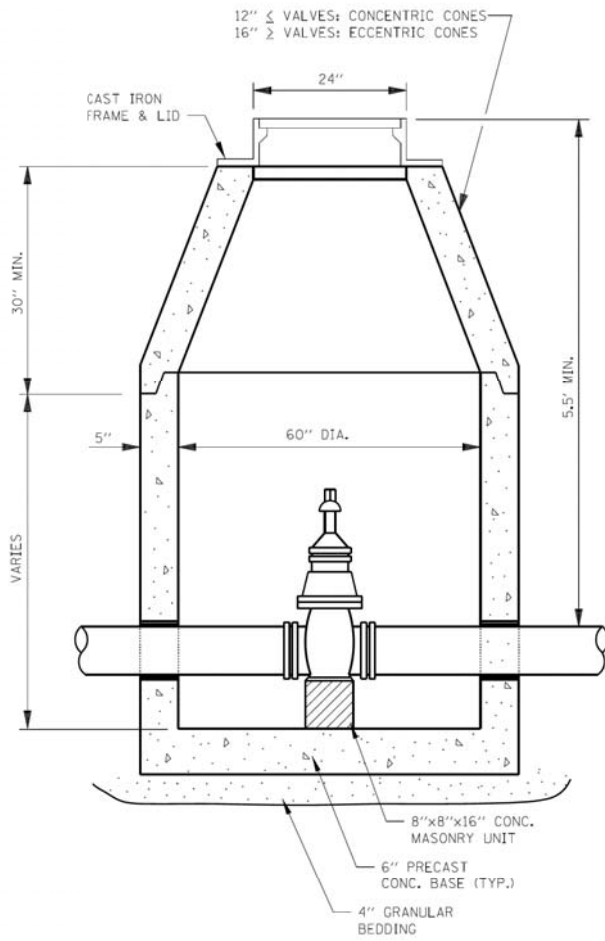
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PLOT DATE = 2/12/2019	DATE - 01/28/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

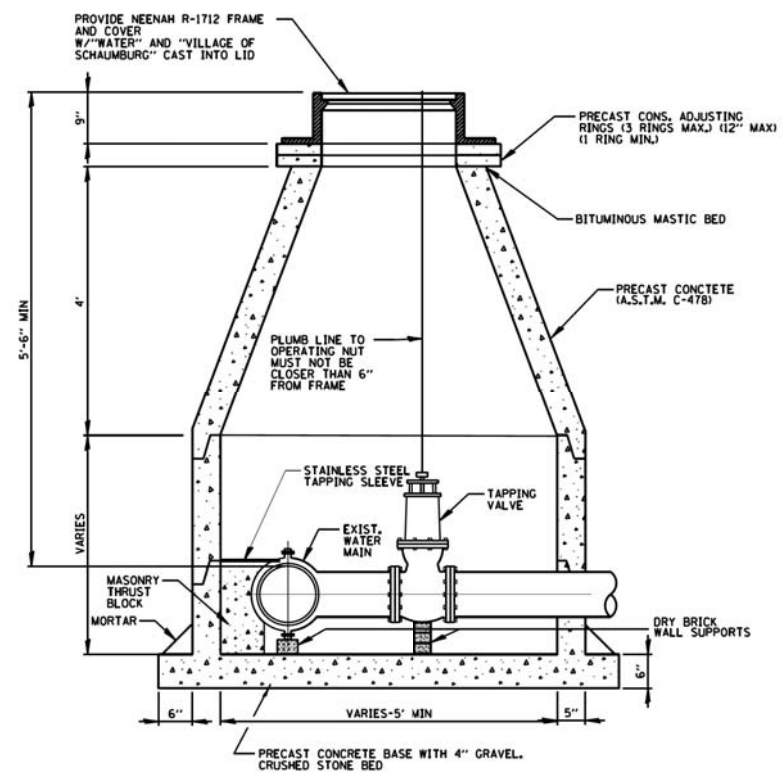
**WOODFIELD ROAD - MARTINGALE ROAD TO EAST FRONTAGE ROAD
ROADWAY DETAILS**

SCALE: NTS SHEET 3 OF 5 SHEETS

MUN/FAU RTE. 3073/ 1689	SECTION 14-00114-01-PV	COUNTY COOK	TOTAL SHEETS 282	SHEET NO. 217
CONTRACT NO. 61F09				
ILLINOIS FED. AID PROJECT				

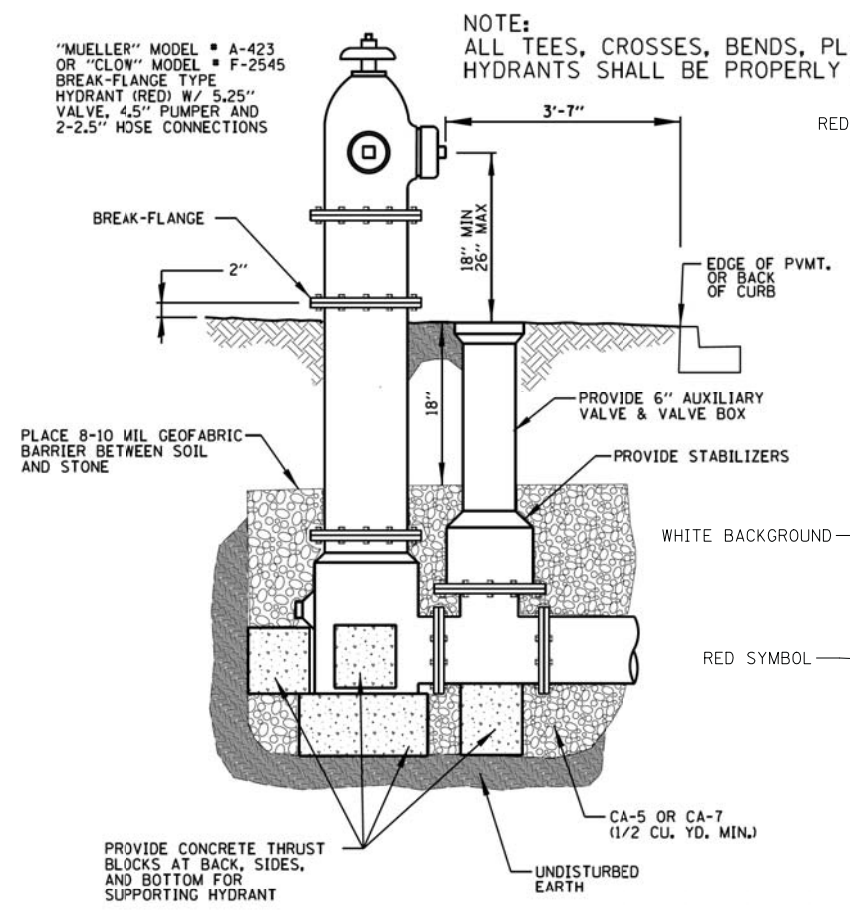


VALVE VAULT TYPE A

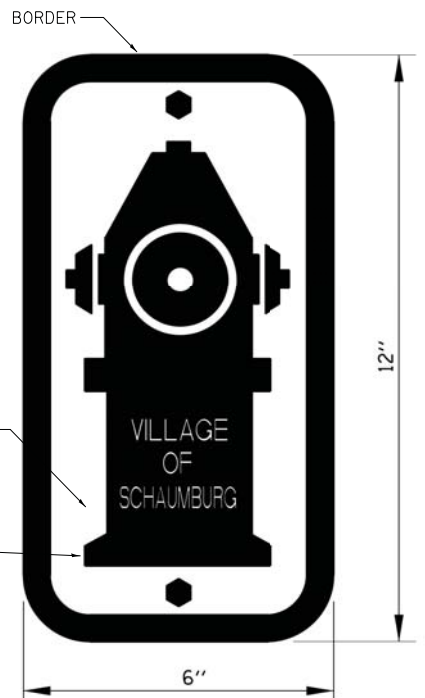


1. PIPE OPENINGS TO BE CAST INTO WALL.
2. PRECAST CONCRETE BASE TO BE CAST INTEGRAL WITH LOWEST WALL SECTION.
3. PRECAST SECTIONS TO BE JOINED WITH TONGUE AND GROOVE JOINTS SEALED WITH MASTIC TYPE BITUMINOUS JOINTING COMPOUND.
4. MASONRY THRUST BLOCK TO BE FULL WIDTH OF SLEEVE.

PRESSURE CONNECTION IN VAULT



FIRE HYDRANT



HYDRANT SIGN

NOTE:
ALL TEES, CROSSES, BENDS, PLUGS, AND
HYDRANTS SHALL BE PROPERLY BLOCKED.

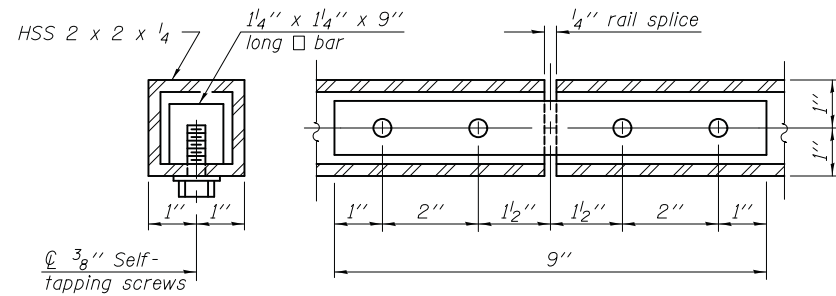
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	DATE - 01/28/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

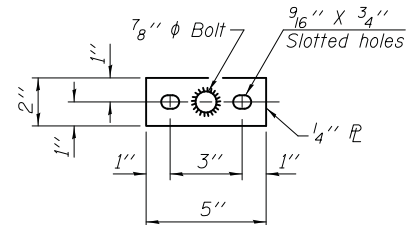
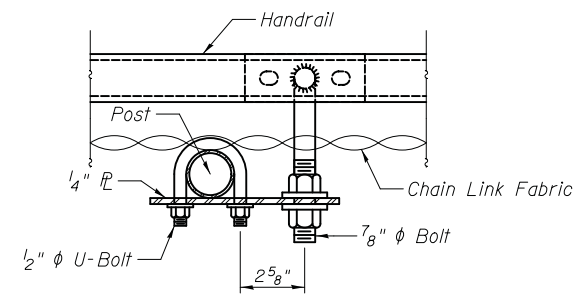
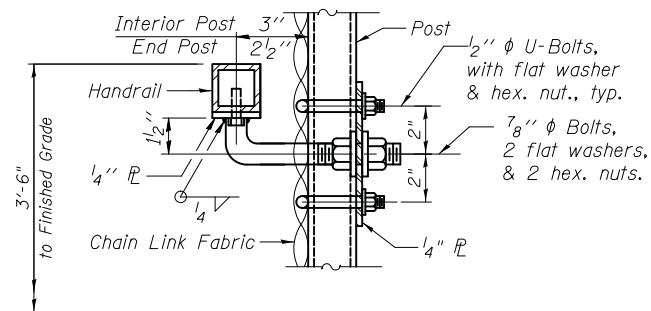
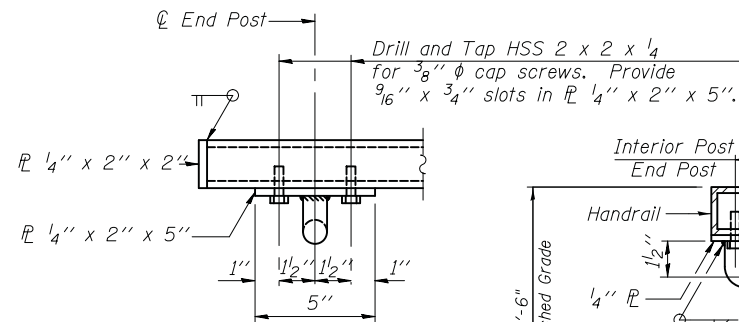
WOODFIELD ROAD - MARTINGALE ROAD TO EAST FRONTAGE ROAD ROADWAY DETAILS	
SCALE:	SHEET 4 OF 5 SHEETS

MUN/FAU RTE. 3073/ 1689	SECTION 14-00114-01-PV	COUNTY COOK	TOTAL SHEETS 282	SHEET NO. 218
CONTRACT NO. 61F09				
ILLINOIS FED. AID PROJECT				



HANDRAIL SPLICE

NOTE:
The steel handrail shall be furnished and erected in accordance with Section 509 of the Standard Specifications. All steel rail elements shall be galvanized according to Article 509.05.



BASE PL
(Handrail)

HANDRAIL DETAILS

Note: This work shall be included in the cost of "Chain Link Fence (Special)".

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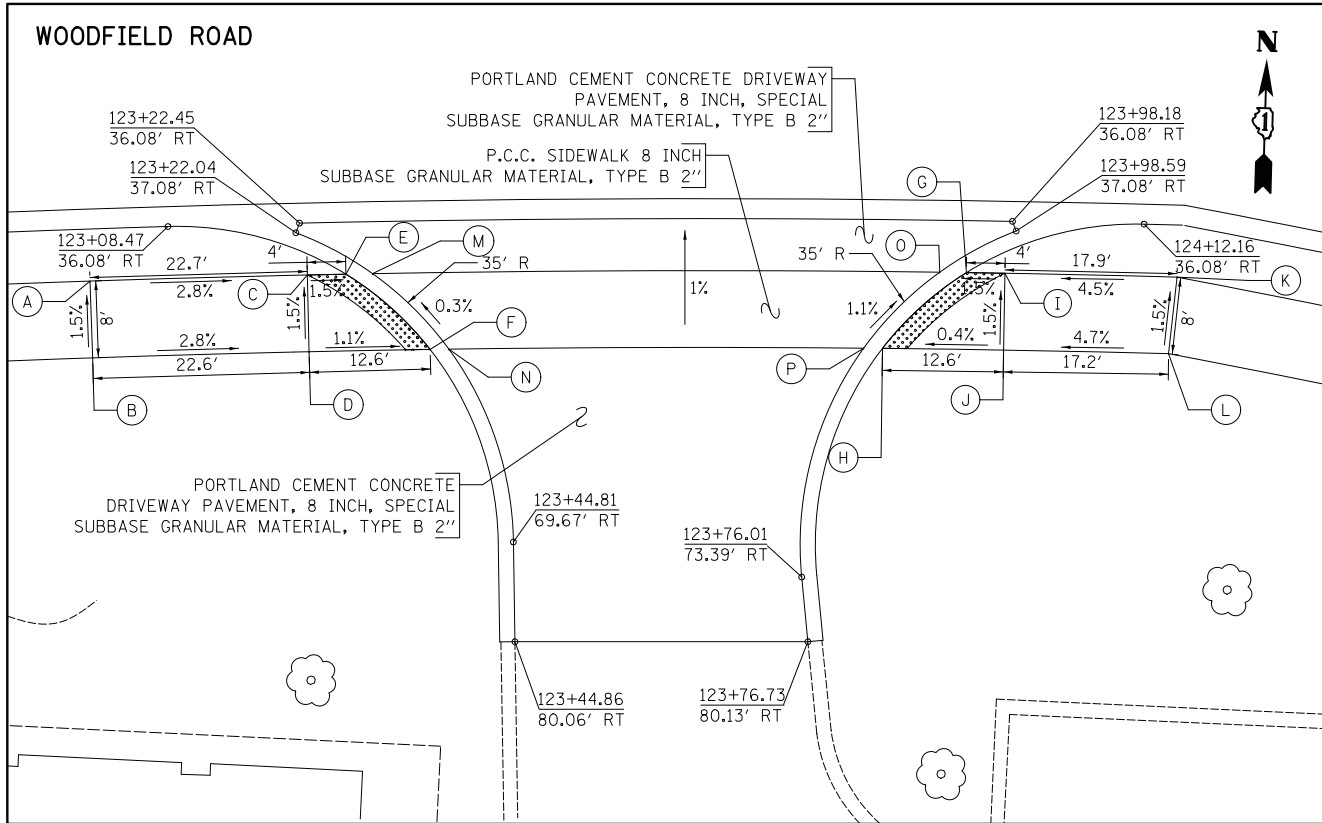
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DRAWN - KDC	REVISIONS -	
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PLOT DATE = 2/12/2019	DATE - 01/28/2019	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WOODFIELD ROAD - MARTINGALE ROAD TO EAST FRONTAGE ROAD
ROADWAY DETAILS

SCALE: SHEET 5 OF 5 SHEETS

MUN/FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3073/ 1689	14-00114-01-PV	COOK	282	219
CONTRACT NO. 61F09				
ILLINOIS FED. AID PROJECT				



COMMERCIAL DRIVEWAY AT STA. 123+60.79

LEGEND

- (XX.XX) EXISTING ELEVATION / SLOPE
- XX.XX PROPOSED ELEVATION / SLOPE
- DETECTABLE WARNINGS (SPECIAL)

	STATION	OFFSET	ELEVATION
A	123+00.00	41.50' RT	733.30
B	123+00.00	49.50' RT	733.42
C	123+23.16	41.50' RT	732.66
D	123+23.17	49.50' RT	732.78
E	123+27.27	41.50' RT	732.60
F	123+36.12	49.50' RT	732.64
G	123+93.36	41.50' RT	732.26
H	123+84.52	49.50' RT	732.39
I	123+97.47	41.50' RT	732.32
J	123+97.47	49.50' RT	732.44
K	124+15.81	41.50' RT	733.13
L	124+15.13	49.50' RT	733.25
M	123+30.11	41.50' RT	732.61
N	123+38.13	49.50' RT	732.64
O	123+90.52	41.50' RT	732.29
P	123+82.51	49.50' RT	732.41



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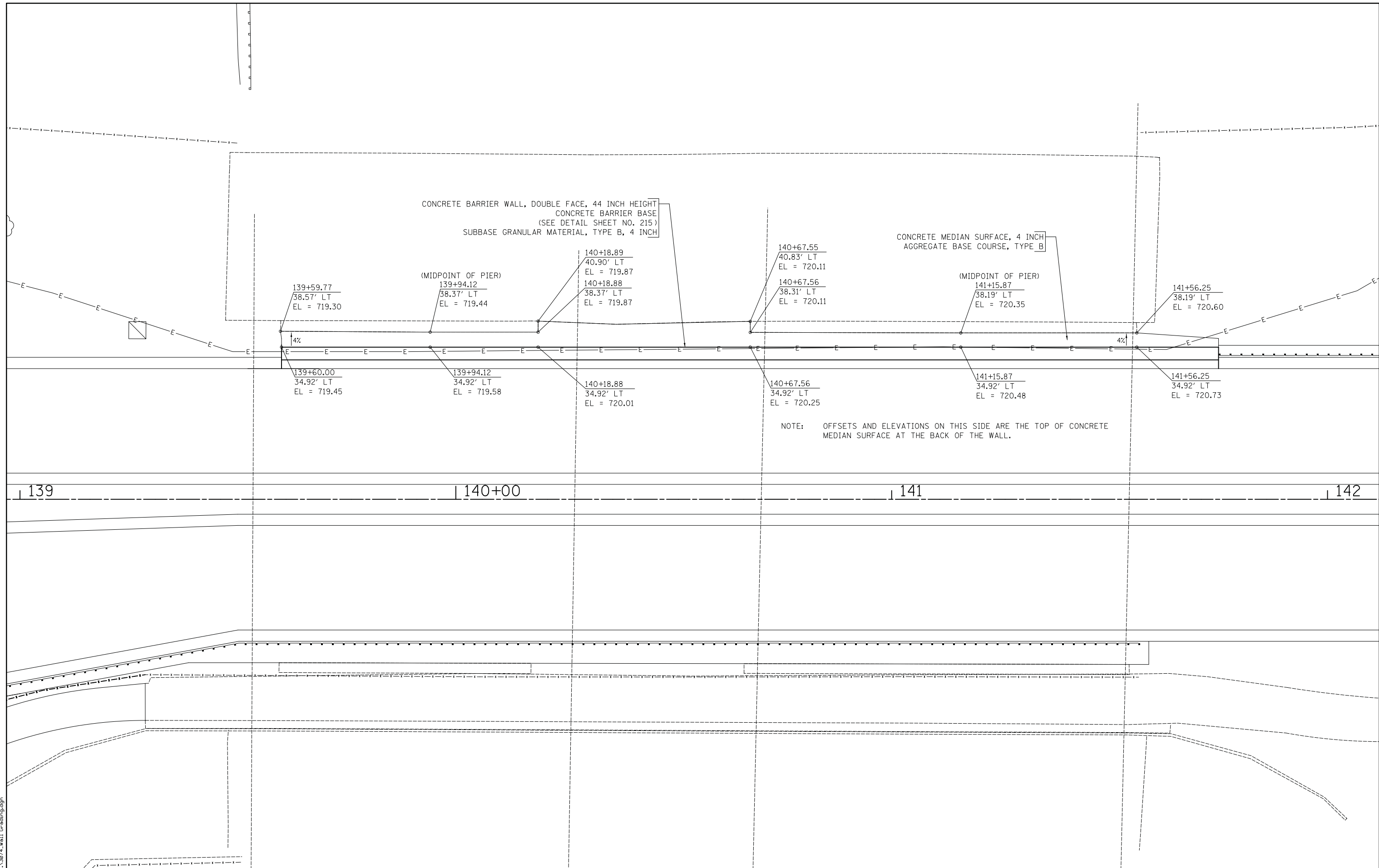
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PLOT DATE = 2/12/2019	DATE - 01/28/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**WOODFIELD ROAD - MARTINGALE ROAD TO EAST FRONTAGE ROAD
DRIVEWAY DETAILS**

SCALE: 1"=10' SHEET 1 OF 1 SHEETS

MUN/FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3073/1689	14-00114-01-PV	COOK	282	220
CONTRACT NO. 61F09				
ILLINOIS FED. AID PROJECT				



CONCRETE BARRIER WALL, DOUBLE FACE, 44 INCH HEIGHT
 CONCRETE BARRIER BASE
 (SEE DETAIL SHEET NO. 215)
 SUBBASE GRANULAR MATERIAL, TYPE B, 4 INCH

CONCRETE MEDIAN SURFACE, 4 INCH
 AGGREGATE BASE COURSE, TYPE B

NOTE: OFFSETS AND ELEVATIONS ON THIS SIDE ARE THE TOP OF CONCRETE MEDIAN SURFACE AT THE BACK OF THE WALL.

139 | 140+00 | 141 | 142

FILE NAME = ...3074_Wall Grading.dgn



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PLOT SCALE = 10.0000' / in.	DRAWN - KDC	REVISED -
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	DATE - 01/28/2019	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

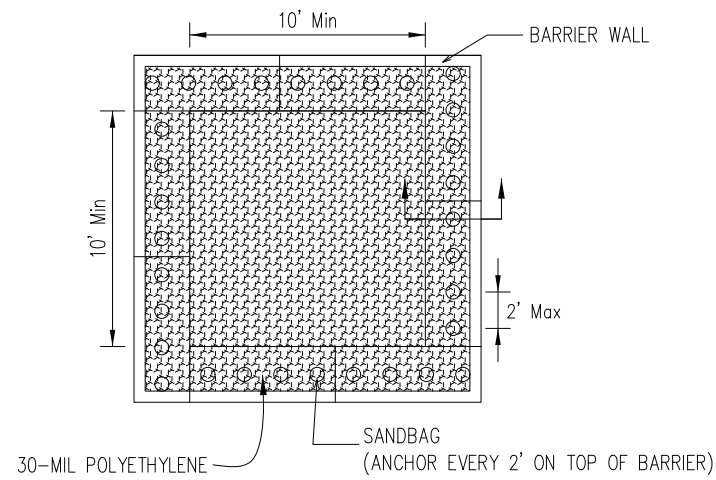
WOODFIELD ROAD - MARTINGALE ROAD TO EAST FRONTAGE ROAD
 CONCRETE BARRIER DETAIL

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

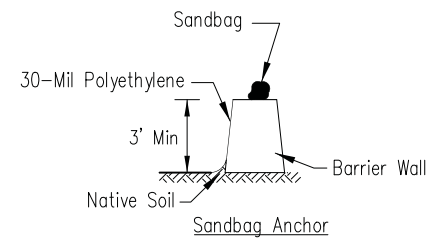
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CONTRACT NO. 61F09				
ILLINOIS FED. AID PROJECT				

IUM-654BW
TEMPORARY CONCRETE
WASHOUT FACILITY – BARRIER WALL

Drawn B. JOHNSON 6/08



PLAN VIEW



BARRIER WALL ANCHOR SECTION

NOTES:

- Maintaining temporary concrete washout facilities shall include removing and disposing of hardened concrete and/or slurry and returning the facilities to a functional condition.
- Facility shall be cleaned or reconstructed in a new area once washout becomes two-thirds full.

PREFABRICATED CONCRETE WASHOUT FACILITIES

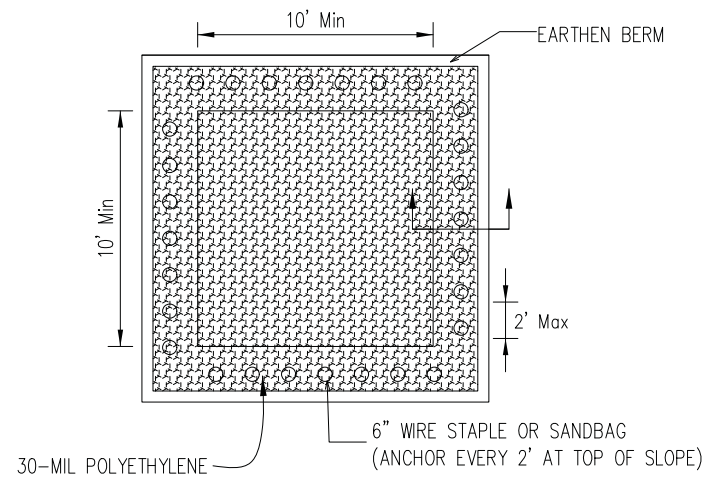
- Prefabricated facilities can be any water tight unit designed to contain concrete slurry and solids.
- Prefabricated facilities shall be of sufficient volume and quantity to contain all the liquids and concrete waste generated by washout operations.

REMOVAL OF TEMPORARY WASHOUT FACILITIES

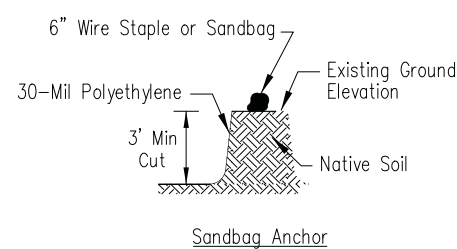
- When temporary concrete washout facilities are no longer required for the work, the facilities shall be removed from the site of the work.
- Holes, depressions or other ground disturbances caused by removal of the temporary concrete washout facilities shall be restored to the satisfaction of the engineer.

IUM-654ET
TEMPORARY CONCRETE
WASHOUT FACILITY – EARTHEN TYPE

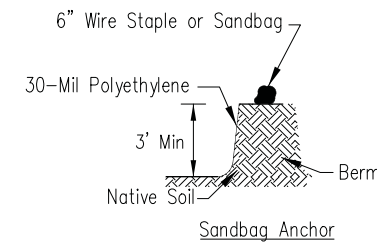
Drawn B. JOHNSON 6/08



PLAN VIEW



SUBGRADE ANCHOR SECTIONS



EARTHEN BERM ANCHOR SECTIONS

NOTES:

- Maintaining temporary concrete washout facilities shall include removing and disposing of hardened concrete and/or slurry and returning the facilities to a functional condition.
- Facility shall be cleaned or reconstructed in a new area once washout becomes two-thirds full.

TEMPORARY CONCRETE WASHOUT FACILITIES "BELOW GRADE"

- Below grade washout facilities shall be constructed with a minimum length and minimum width of 3m (10 ft) but of sufficient volume and quantity to contain all the liquids and concrete waste generated by washout operations.
- The soil base shall be prepared free of rocks or debris that may cause tears or holes in the plastic lining material.
- The facility shall be lined with a 30-mil polyethylene liner and secured using sand bags, 6" wire staples or other anchors. The plastic lining material shall be free of holes and tears and must be impermeable.

TEMPORARY CONCRETE WASHOUT FACILITIES "ABOVE GRADE"

- Above grade washout facilities shall be constructed with a minimum length and minimum width of 3m (10 ft) but of sufficient volume and quantity to contain all the liquids and concrete waste generated by washout operations.
- The walls of the above grade facilities may be constructed of straw bales, barrier walls or earthen berms. If straw bales are used, they shall be entrenched 3" into the earth, butted tightly end to end and staked in place using 2" x 2" x 4' wooden stakes. If barrier walls are used, they shall be butted tightly end to end.
- The facility shall be lined with a 30-mil polyethylene liner and secured using sand bags, 6" wire staples, or other anchors. The plastic lining material shall be free of holes and tears and must be impermeable.

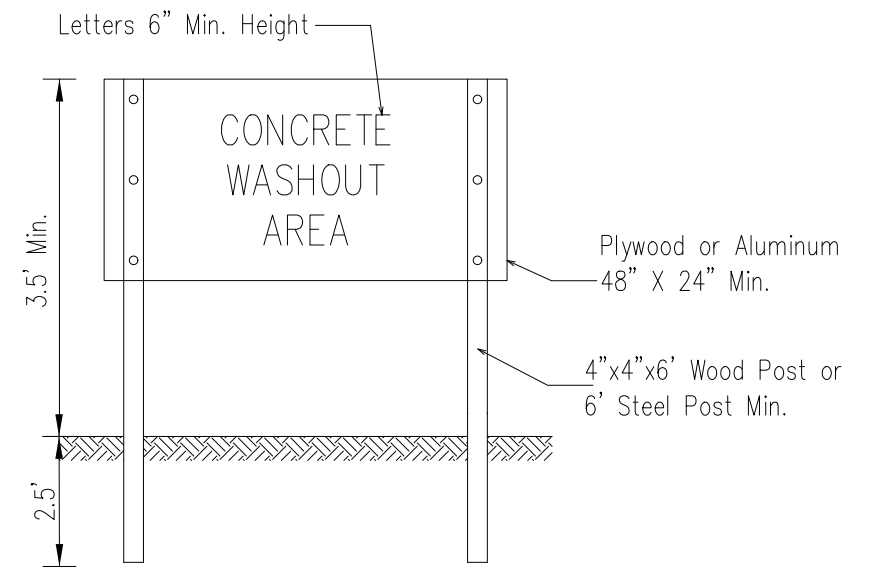
ILLINOIS URBAN MANUAL 2010

This practice applies on any construction site where concrete is used.

CRITERIA

The following steps shall be taken to effectively control concrete wastes.

- Perform washout of concrete mixer trucks in designated areas only.
- Each facility shall have appropriate signage to inform concrete equipment operators of the proper washout locations.
- Each facility shall be located in an area protected from possible damage from construction traffic and have a stabilized access to prevent tracking onto streets.
- Washout facilities shall be located on level ground a minimum of 15 m (50 ft) from storm drain inlets and all open drainage facilities. For smaller sites where the distance criteria may not be practical, washout facilities shall be located as far from drainage facilities as possible and additional inspections shall be conducted to ensure no illicit discharges have occurred.
- Temporary concrete washout facilities shall be supplied in sufficient quantity and size to manage all liquid and solid wastes generated by washout operations.
- Washout water from low volume facilities shall be allowed to evaporate and not be discharged into the environment.
- Washout water from high volume facilities shall be removed with a vacuum truck and taken back to the batch plant. Washout water shall not be discharged into the environment.
- Solidified concrete waste from washout facilities shall be considered Clean Construction or Demolition Debris (CCDD) as per the Illinois Environmental Protection Act (415 ILCS 5) and disposed of in accordance to the Act.
- Each facility shall be inspected daily to ensure the container is not leaking or nearing two-thirds capacity of either solids, liquids or a combination of both.



SIGN DETAIL

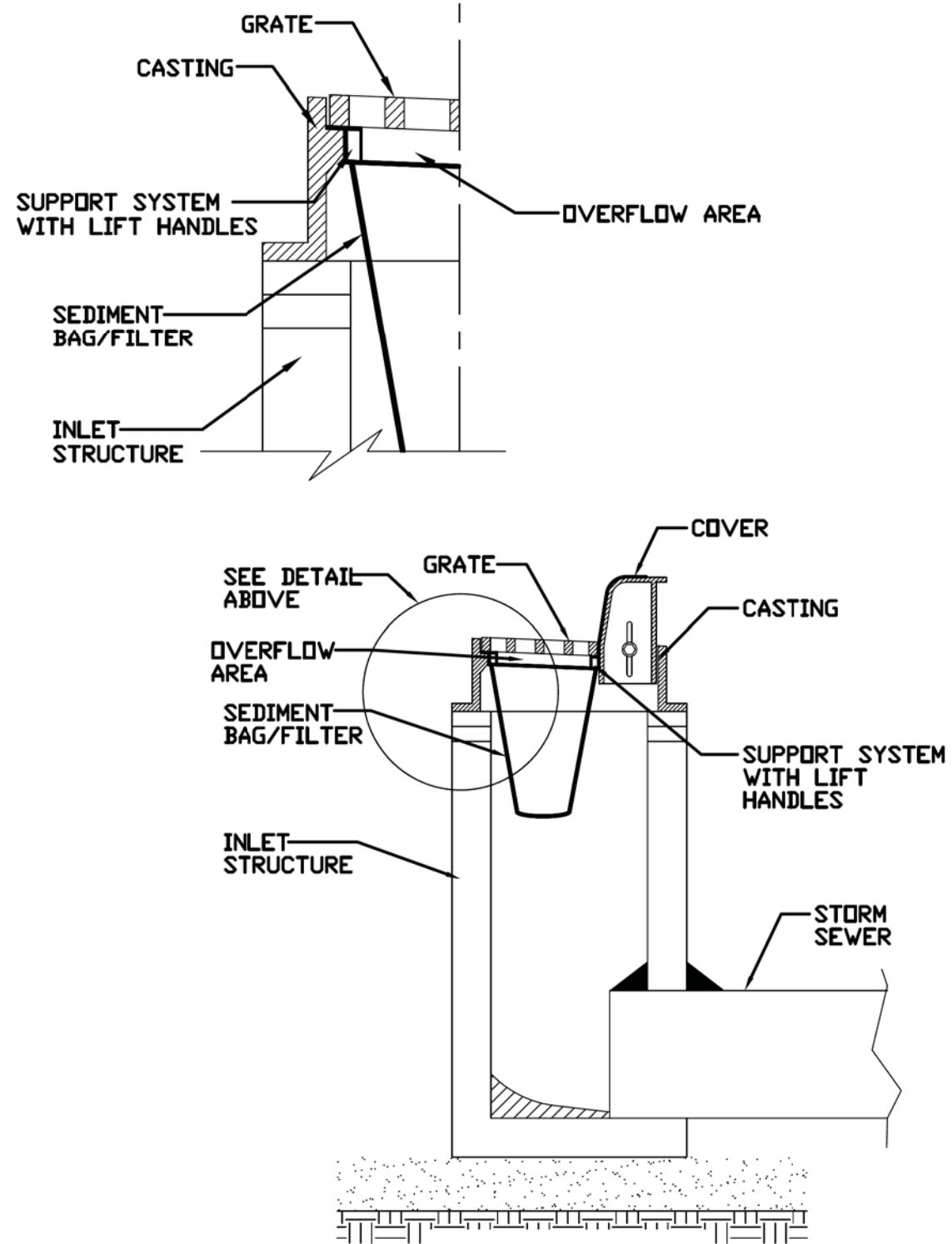
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WOODFIELD ROAD – MARTINGALE ROAD TO EAST FRONTAGE ROAD
EROSION CONTROL DETAILS

MUN/FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3073/ 1689	14-00114-01-PV	COOK	282	222
CONTRACT NO. 61F09				
ILLINOIS FED. AID PROJECT				

SHEET 1 OF 2 SHEETS

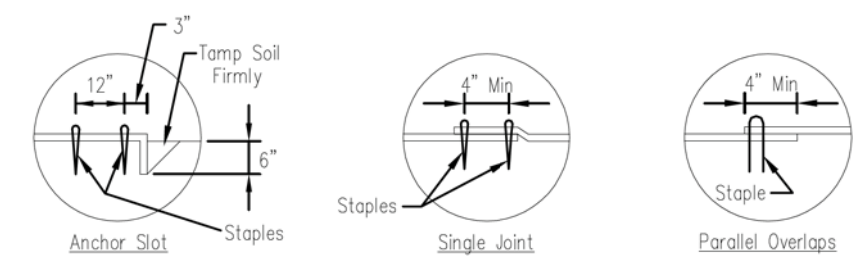
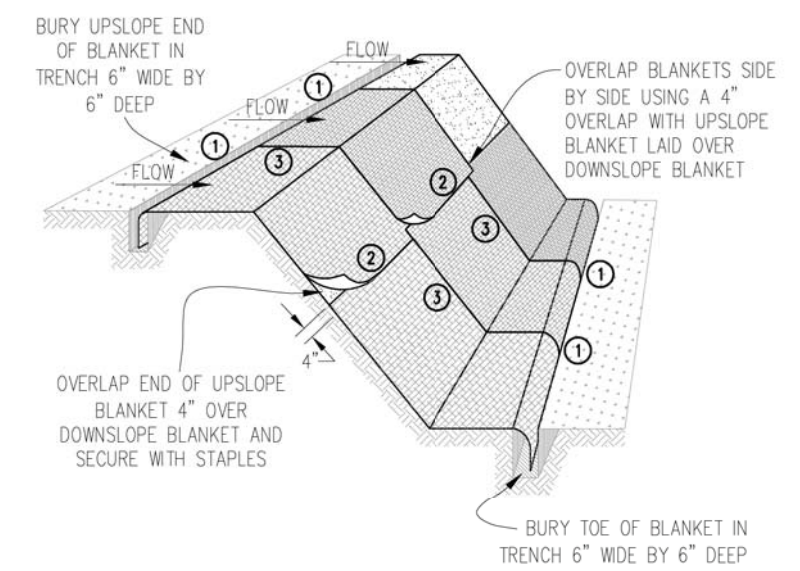
INLET PROTECTION - PAVED AREAS DROP-IN PROTECTION



REFERENCE	Project _____	Date _____
	Designed _____	Date _____
	Checked _____	Date _____
	Approved _____	Date _____



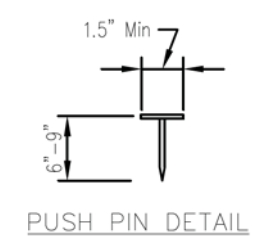
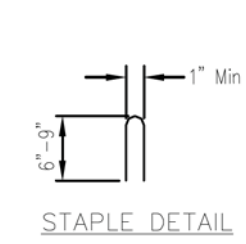
STANDARD DWG. NO.
IUM-561D
SHEET 1 OF 1
DATE 01-11-11



DETAIL 1

DETAIL 2

DETAIL 3



NOTES:

1. Staples shall be placed in a diamond pattern at 2 per s.y. for stiched blankets. Non-stiched shall use 4 staples per s.y. of material. This equates to 200 staples with stiched blanket and 400 stapels with non-stiched blanket per 100 s.y. of material.
2. Staple or push pin lengths shall be selected based on soil type and conditions. (minimum staple length is 6")
3. Erosion control material shall be placed in contact with the soil over a prepared seedbed.
4. All anchor slots shall be stapled at approximately 12" intervals.

Sheet 1 of 1	Drawing No. IUM-530	DESIGNED _____	Date _____		
				DRAWN B. JOHNSON	11/08
				CHECKED _____	
				APPROVED _____	

EROSION CONTROL BLANKET INSTALLATION DETAILS

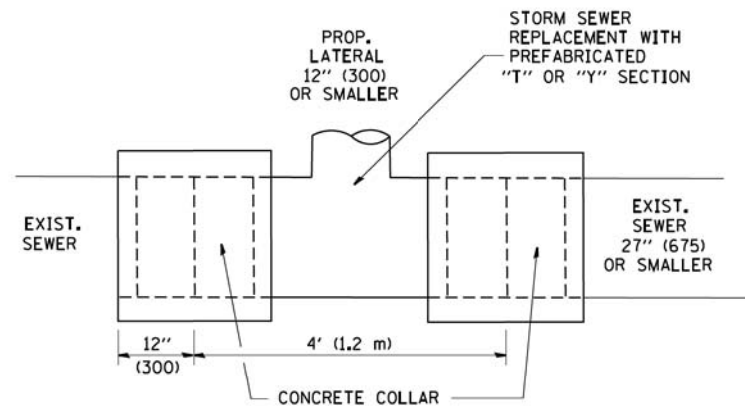
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	DATE - 01/28/2019	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

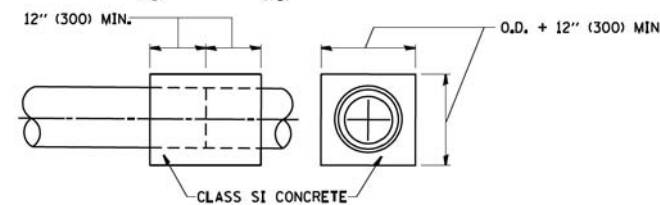
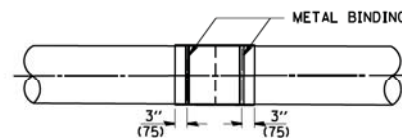
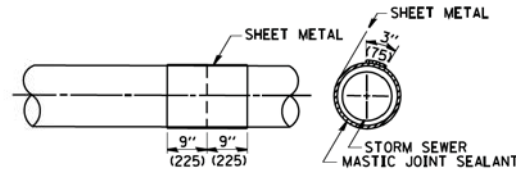
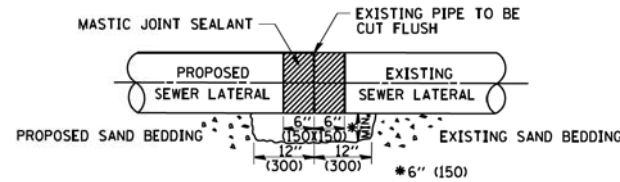
WOODFIELD ROAD - MARTINGALE ROAD TO EAST FRONTAGE ROAD
EROSION CONTROL DETAILS
SHEET 2 OF 2 SHEETS

MUN/FAU RTE. 3073/ 1689	SECTION 14-00114-01-PV	COUNTY COOK	TOTAL SHEETS 282	SHEET NO. 223
CONTRACT NO. 61F09				
ILLINOIS FED. AID PROJECT				



DETAIL "A"

LATERAL CONNECTION TO EXISTING SEWER OF 27" (675) OR SMALLER

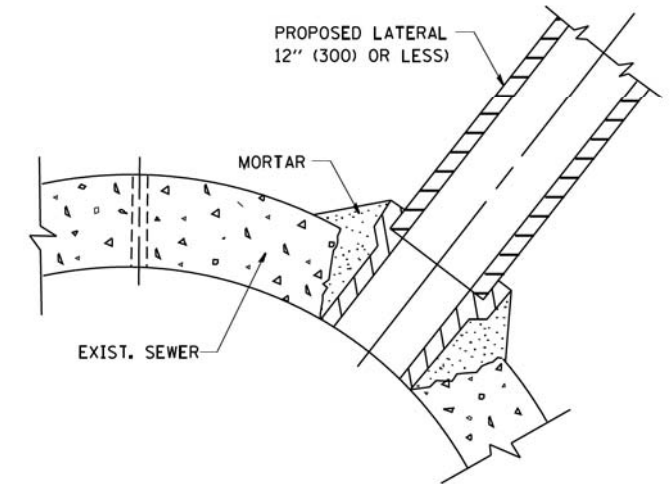


DETAIL "B"

CLASS SI CONCRETE COLLAR

CONSTRUCTION SEQUENCE

1. CUT THE EXISTING END OF THE PIPE SO AS TO PRESENT A FLUSH BUTT JOINT. BRUSH AND CLEAN ALL PIPES.
2. APPLY THE MASTIC JOINT SEALANT TO THE FIRST 6" (150) OF EACH PIPE.
3. BUTT THE PIPES TOGETHER LEAVING A MINIMUM OF 12' x 6' (300 x 150) DEEP EXCAVATION UNDER AND AROUND EACH PIPE END.
4. CUT A PIECE OF SHEET METAL GAGE NO. 19 1.1 (0.0418) 18" (450) WIDE BY THE OUTSIDE CIRCUMFERENCE OF THE PIPE PLUS 3" (75) LONG.
5. WRAP THE SHEET METAL AROUND THE PIPES, 9" (225) ON EACH SIDE OF THE JOINT, STARTING AT THE TOP OF THE PIPE.
6. LAP THE SHEET METAL AT LEAST 3" (75) AT THE TOP OF THE PIPE AND PLACE THE MASTIC JOINT SEALANT BETWEEN THE LAP.
7. PLACE TWO METAL BANDS AROUND THE SHEET METAL AND TIGHTEN.
8. WIPE OFF ANY EXCESS MASTIC JOINT SEALANT THAT OOOZES OUT FROM BETWEEN THE SHEET METAL AND THE PIPES.
9. PLACE CLASS SI CONCRETE AROUND THE JOINT.



DETAIL "C"

PROPOSED LATERAL CONNECTION TO EXISTING SEWER OF 30" (750) OR LARGER

NOTES

MATERIAL

MATERIAL USED FOR THE TEE OR WYE SECTION SHALL BE COMPATIBLE WITH THE EXISTING STORM SEWER OR THE PROPOSED STORM SEWER.

CONSTRUCTION METHODS

- I. THIS WORK SHALL BE CONSTRUCTED IN CONFORMANCE WITH THE APPLICABLE PORTIONS OF SECTION 550 OF THE STANDARD SPECIFICATIONS.
- II. CONNECTION TO AN EXISTING STORM SEWER SHALL BE BY EITHER OF THE FOLLOWING METHODS:
 - A) PROPOSED STORM SEWER CONNECTION TO EXISTING SEWER OF 27" (675) OR SMALLER SEE DETAIL "A" AND "B".
 - B) PROPOSED STORM SEWER CONNECTION TO EXISTING SEWER OF 30" (750) OR LARGER SEE DETAIL "C".

IF THE EXISTING SEWER PIPE IS CRACKED, BROKEN OR OTHERWISE DAMAGED BY THE CONTRACTOR IN MAKING THE CIRCULAR OPENING, THE CONTRACTOR SHALL REPLACE THAT SECTION OF PIPE WITH PIPE EQUAL AND SIMILAR IN ALL RESPECTS TO THE PIPE IN THE EXISTING SEWER, IN A CAREFUL WORKMANLIKE MANNER, WITHOUT EXTRA COMPENSATION.

GENERAL

CARE MUST BE TAKEN TO PREVENT DEBRIS FROM ENTERING THE SEWER. ALL DEBRIS WHICH ENTERS THE SEWER MUST BE REMOVED. THE SEWER MUST BE LEFT CLEAN AND UNOBSTRUCTED UPON COMPLETION OF THE CONTRACT.

CARE MUST BE TAKEN TO PREVENT ANY PART OF THE NEW PIPE CONNECTION FROM PROJECTING INTO THE EXISTING SEWER.

BASIS OF PAYMENT

TEE OR WYE CONNECTIONS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR STORM SEWER TEE OR WYE OF THE TYPE AND SIZE SPECIFIED IN THE PLANS, THIS PRICE SHALL INCLUDE ALL EXCAVATION OF THE TRENCH, REMOVAL OF THE EXISTING STORM SEWER, FURNISHING AND INSTALLING THE SPECIFIED TEE OR WYE SECTION, FURNISHING AND INSTALLING THE REQUIRED CONCRETE COLLAR, AND ALL OTHER MATERIAL NECESSARY TO COMPLETE THIS WORK AS SHOWN AND SPECIFIED.

REMOVAL AND REINSTALLATION OF EXISTING STORM SEWER ADJACENT TO THE PROPOSED TEE OR WYE SECTION, FOR THE PURPOSE OF FACILITATING THE INSTALLATION OF THE TEE OR WYE SECTION, WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE WORK.

TRENCH BACKFILL, EXCAVATION IN ROCK AND REMOVAL AND REPLACEMENT OF UNSUITABLE MATERIAL BELOW PLAN BEDDING GRADE WILL BE PAID FOR SEPARATELY.

CONCRETE COLLAR FOR CONNECTING A PROPOSED STORM SEWER TO AN EXISTING STORM SEWER WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF THE PROPOSED STORM SEWER.

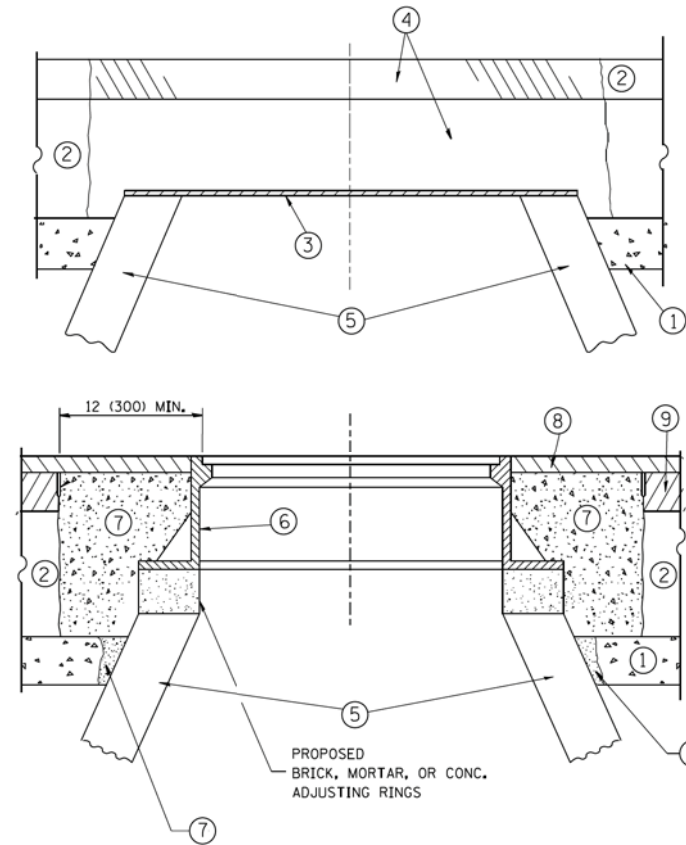
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

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	PLOT SCALE = 50.000' / IN.	CHECKED -	REVISED - R. SHAH 10-25-94
	PLOT DATE = 1/4/2008	DATE - 07-25-90	REVISED - R. SHAH 06-12-96

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DETAIL OF STORM SEWER CONNECTION TO EXISTING SEWER	
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS
STA.	TO STA.

MUN./FAU RTE. 1	SECTION 14-00114-01-PV	COUNTY COOK	TOTAL SHEETS 282	SHEET NO. 224
BD500-01 (BD-7)		CONTRACT NO. 61F09		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



CONSTRUCTION PROCEDURES

STAGE 1 (BEFORE PAVEMENT MILLING)

- A) REMOVE A MINIMUM OF 12 (300) OF THE PAVEMENT FROM AROUND THE STRUCTURE.
- B) REMOVE THE EXISTING FRAME AND LID FROM THE STRUCTURE.
- C) COVER THE STRUCTURE OPENING WITH A 36 (900) DIAMETER METAL PLATE.
- D) BACKFILL WITH CRUSHED STONE AND A MINIMUM 1/2 (40) THICK HMA SURFACE MIX APPROVED BY THE ENGINEER.

STAGE 2 (AFTER PAVEMENT MILLING)

- A) REMOVE THE HMA SURFACE MIX AND CRUSHED STONE.
- B) INSTALL THE FRAME AND LID; ADJUST THE FRAME TO ITS FINAL SURFACE ELEVATION.
- C) THE SURROUNDING SPACE SHALL BE FILLED WITH CLASS PP-1* CONCRETE TO THE ELEVATION OF THE SURFACE OF THE EXISTING BASE COURSE OR THE BINDER COURSE.

* UNLESS OTHERWISE SPECIFIED IN THE PLANS.

THE PROCEDURE EXPLAINED ABOVE SHALL CONFORM TO THE APPLICABLE PORTIONS OF SECTIONS 353, 406, 602, AND 603 OF THE STANDARD SPECIFICATIONS EXCEPT THAT "THE CONTRACTOR SHALL ADJUST THE STRUCTURES TO THE FINISHED PAVEMENT ELEVATION NO MORE THAN 5 CALENDAR DAYS PRIOR TO PLACEMENT OF THE FINAL LIFT OF SURFACE UNLESS APPROVED BY THE ENGINEER."

LEGEND

- ① SUB-BASE GRANULAR MATERIAL
- ② EXISTING PAVEMENT
- ③ 36 (900) DIAMETER METAL PLATE
- ④ PROPOSED CRUSHED STONE AND HMA SURFACE MIX
- ⑤ EXISTING STRUCTURE
- ⑥ FRAME AND LID (SEE NOTES)
- ⑦ CLASS PP-1* CONCRETE
- ⑧ PROPOSED HMA SURFACE COURSE
- ⑨ PROPOSED HMA BINDER COURSE

LOCATION OF STRUCTURES:

THE CONTRACTOR WILL BE REQUIRED TO KEEP A RECORD OF THE LOCATIONS OF THE BURIED STRUCTURES ACCORDING TO THE STATION AND DISTANCE LEFT OR RIGHT OF THE CENTERLINE OF PAVEMENT. UPON COMPLETION OF THE WORK, THE CONTRACTOR WILL DELIVER THE RECORD TO THE ENGINEER.

BASIS OF PAYMENT:

REMOVING FRAMES AND LIDS ON DRAINAGE AND UTILITY STRUCTURES IN THE PAVEMENT PRIOR TO MILLING, AND ADJUSTING TO FINAL GRADE PRIOR TO PLACING THE SURFACE COURSE, WILL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR "FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)."

THIS WORK WILL NOT BE PAID FOR WHEN DRAINAGE AND UTILITY STRUCTURES ARE SPECIFIED FOR PAYMENT AS STRUCTURE RECONSTRUCTION.

NEW FRAMES AND LIDS, WHEN SPECIFIED, WILL BE PAID FOR SEPARATELY.

NOTES:

EXISTING BROKEN FRAMES AND LIDS SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR AND SHALL BE REPLACED AS DIRECTED BY THE ENGINEER. REPLACEMENT FRAMES AND LIDS WILL BE PAID FOR IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS UNLESS A SEPARATE PAY ITEM HAS BEEN PROVIDED.

IF THE EXISTING LIDS ARE OPEN, THE FRAME WILL BE ADJUSTED TO THE ELEVATION OF THE MILLED PAVEMENT SURFACE PRIOR TO THE MILLING OPERATION. THE FRAME WILL NOT BE REMOVED AND COVERED BY THE METAL PLATE.

CITY OF CHICAGO CASTINGS ARE THE PROPERTY OF THE CITY AND THE CONTRACTOR SHALL NOTIFY THE CITY FOR REMOVAL AND DISPOSITION OF THE CASTINGS.

THE METAL PLATE USED TO COVER THE STRUCTURE SHALL REMAIN THE PROPERTY OF THE CONTRACTOR.

WHEN STRUCTURES ARE TO BE ADJUSTED OR RECONSTRUCTED, THE LOWERING AND RAISING OF THE FRAMES AND LIDS WILL NOT BE PAID FOR SEPARATELY BUT WILL BE INCLUDED IN THE COST OF THE CORRESPONDING PAY ITEM.

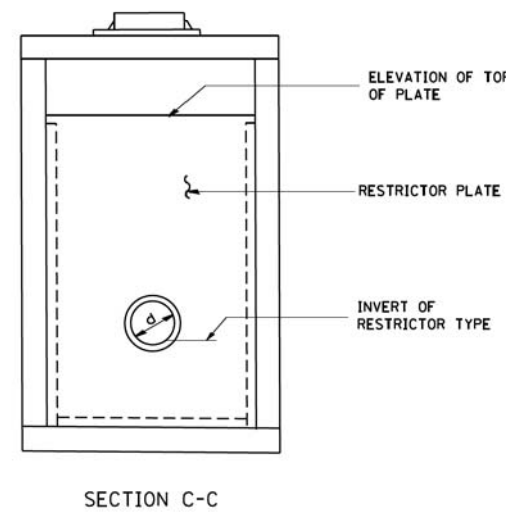
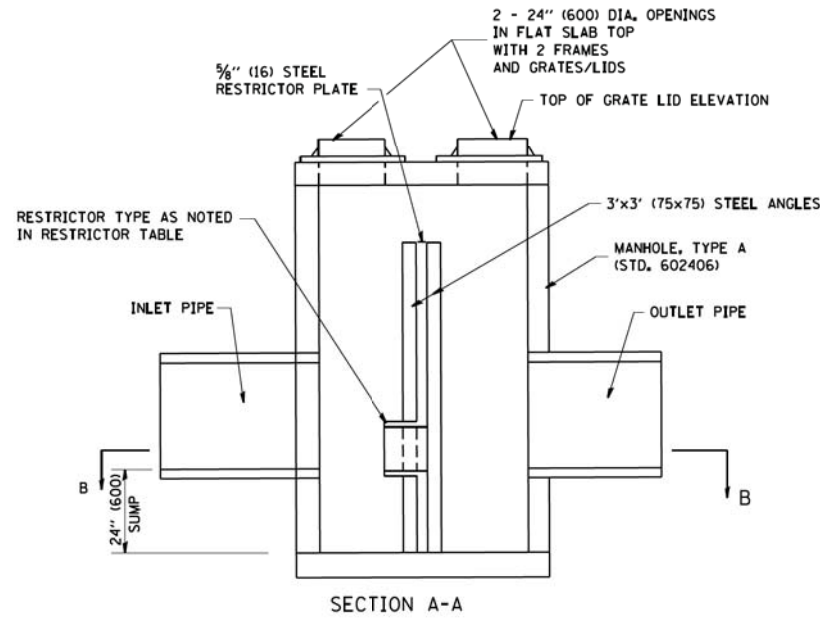
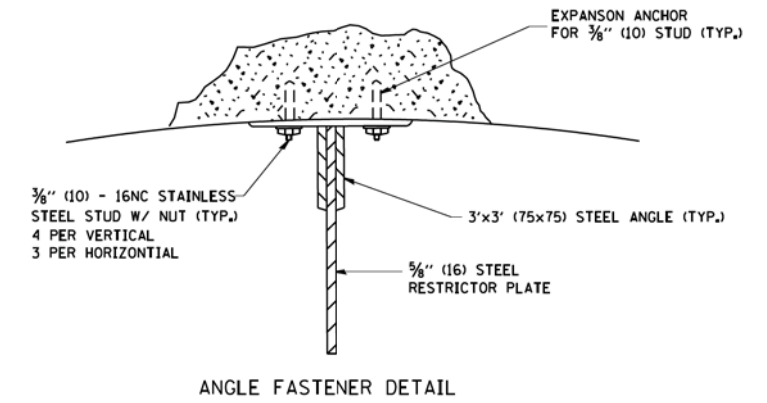
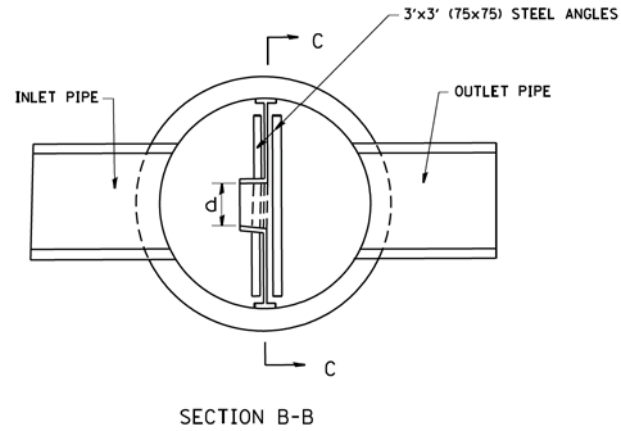
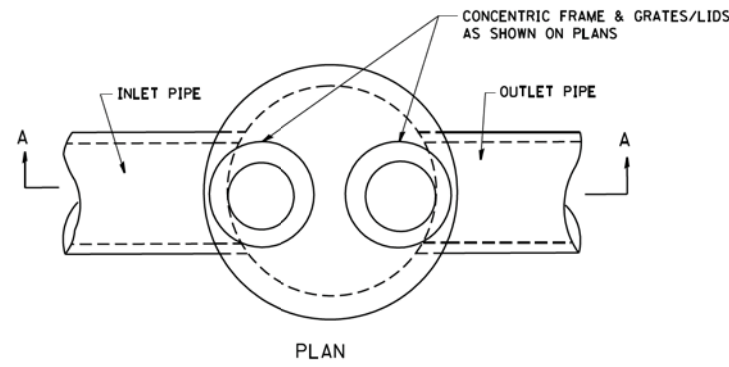
DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

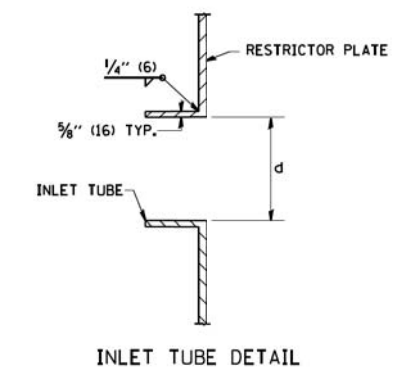
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

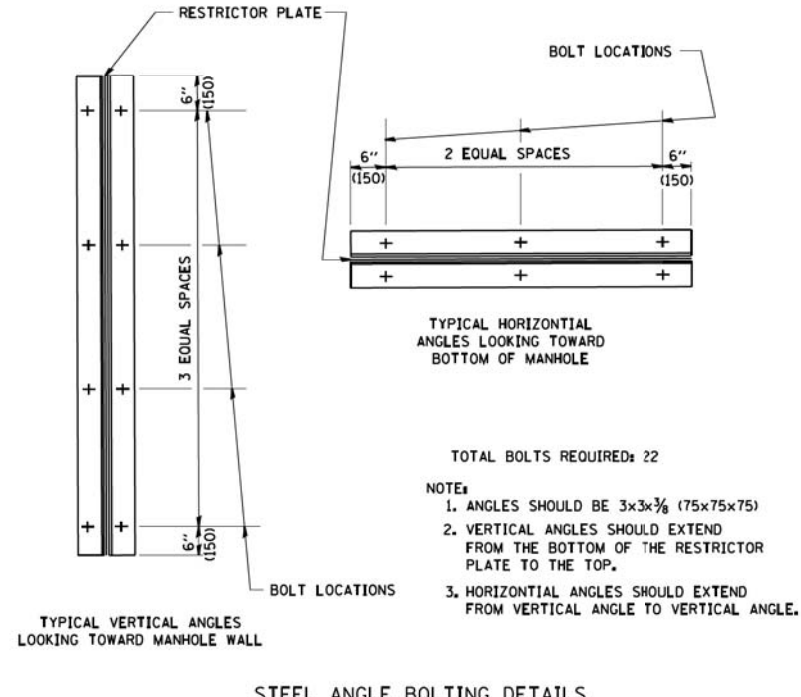
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SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA. TO STA.	BD600-03 (BD-8)		CONTRACT NO. 61F09	
			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			



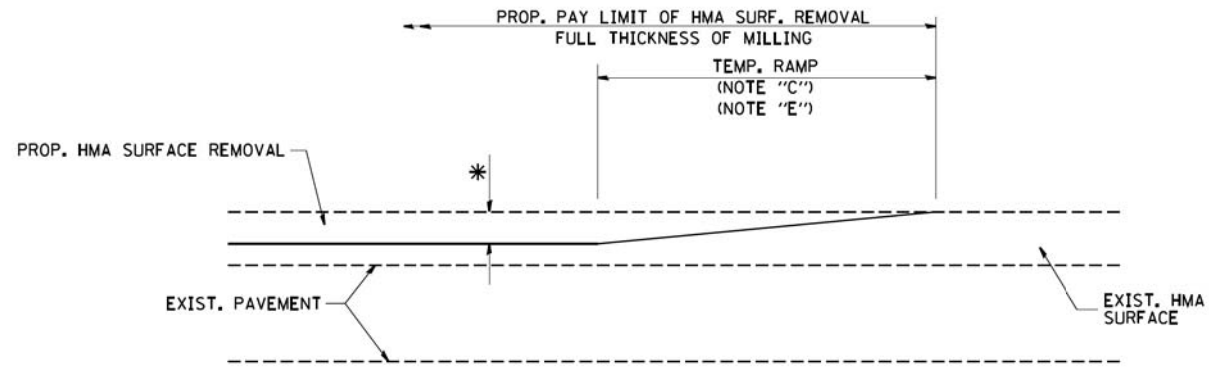
- NOTES:
1. ALL STEEL ANGLES AND PLATES TO BE GALVANIZED AFTER FABRICATION.
 2. ALL RESTRICTOR PLATES, ANGLES AND HARDWARE TO BE INCLUDED IN THE COST OF THE MANHOLE.
 3. BASIS OF PAYMENT: "MANHOLES, TYPE A, 6 FT. (1.8 m)-DIAMETER, TYPE 1 FRAME, CLOSED LID, RESTRICTOR PLATE" EACH



STATION	MANHOLE DIAMETER	FRAME AND GRATE	RESTRICTOR TYPE	INSIDE RESTRICTOR TYPE DIAMETER In. (mm) (d)	INVERT OF RESTRICTOR TYPE	ELEVATION OF TOP OF PLATE OVERFLOW
136+71	6'	T-1	2	4.5	708.60	716.35

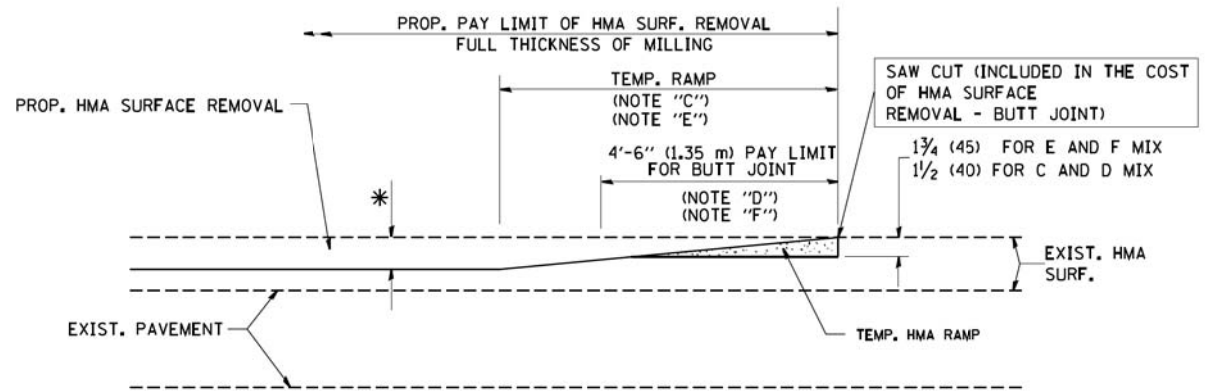


RESTRICTOR TYPE					
1	2	3	4	5	6
RE-ENTRANT TUBE	SHARP EDGED	SQUARE EDGED	RE-ENTRANT TUBE	SQUARE EDGED	ROUNDED
LENGTH: 1/2 TO 1 DIA.		STREAM CLEARS SIDES	LENGTH: 2-1/2 DIA.	LENGTH: 2-1/2 DIA.	
C=.52	C=.61	C=.61	C=.73	C=.82	C=.98
VALUES OF "C" FOR CIRCULAR AND SQUARE ORIFICES					



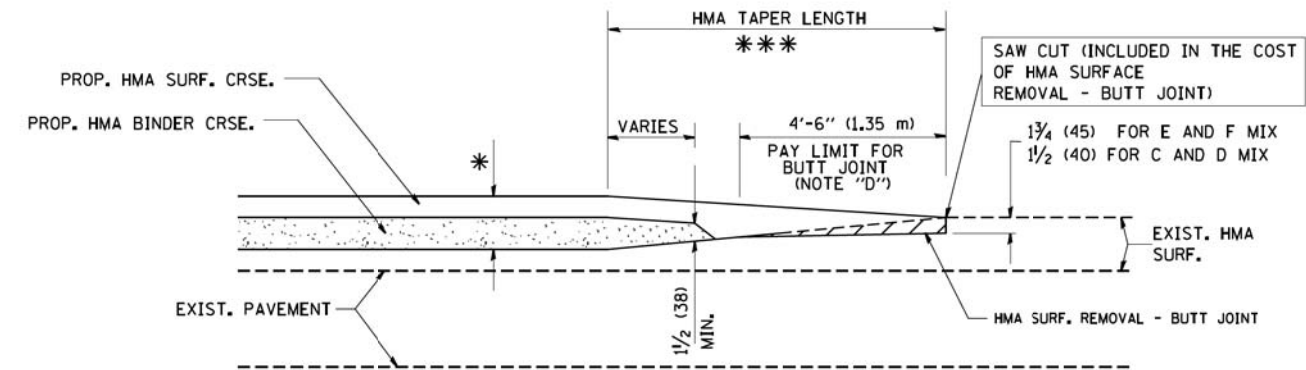
MILLED TEMPORARY RAMP
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

OPTION 1

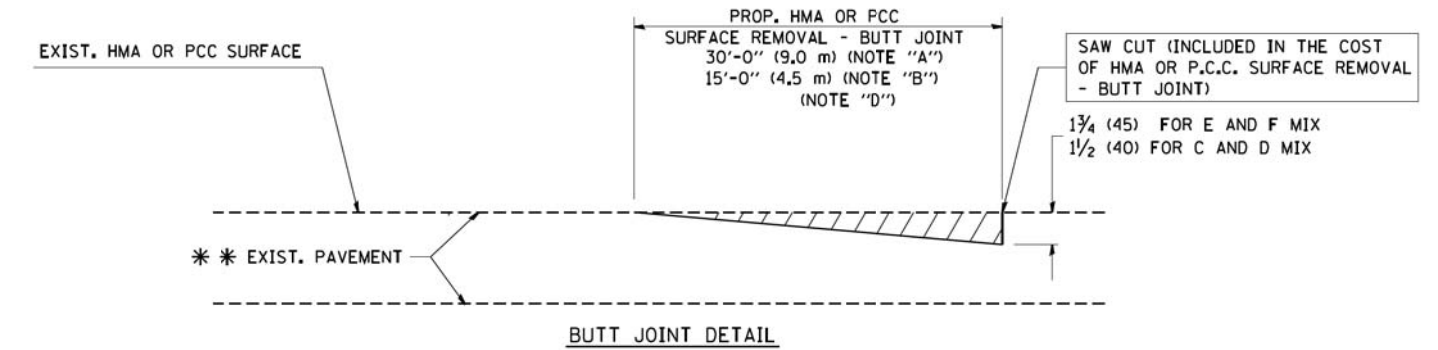


HMA CONSTRUCTED TEMPORARY RAMP
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

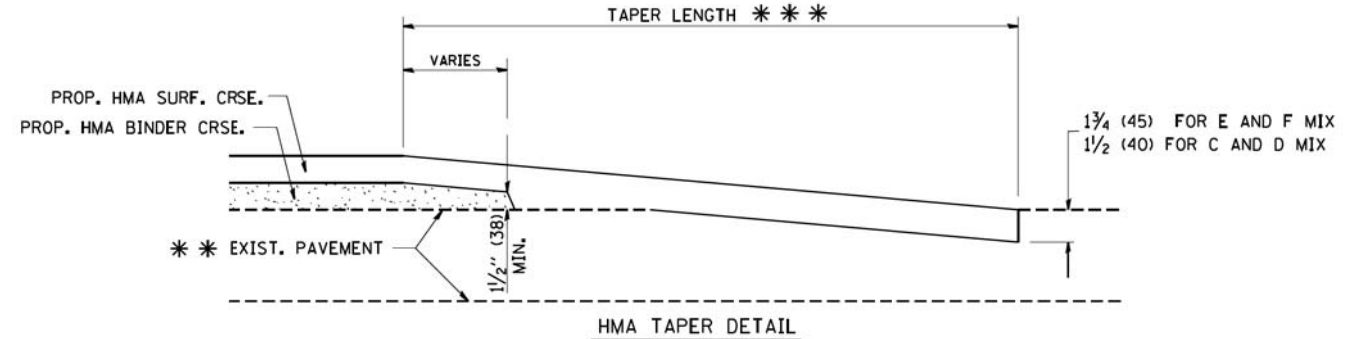
OPTION 2
TYPICAL TEMPORARY RAMP



BUTT JOINT AND HMA TAPER
TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING



BUTT JOINT DETAIL



HMA TAPER DETAIL

TYPICAL BUTT JOINT AND HMA TAPER FOR RESURFACING ONLY

*** PC CONCRETE, HMA OR HMA RESURFACED PAVEMENT.

NOTES

- A: MAINLINE ROADWAYS AND MAJOR SIDE ROADS.
 - B: MINOR SIDE ROADS.
 - C: THE TEMP. RAMP SHALL BE CONSTRUCTED IMMEDIATELY UPON REMOVAL OF THE EXISTING HMA SURFACE.
 - D: THE BUTT JOINT SHALL BE CONSTRUCTED IMMEDIATELY PRIOR TO PLACING THE PROPOSED HMA COURSES.
 - E: TAPER THE TEMP. RAMP AT A RATE OF 3'-0" (900 mm) PER 1 INCH (25 mm) OF MILLING THICKNESS.
 - F: INSTALLATION AND REMOVAL OF THE 4'-6" (1.35 m) TEMP. RAMP IS INCLUDED IN COST OF HMA SURFACE REMOVAL - BUTT JOINT
 - G: SEE ARTICLE 406.08 AND 406.14 OF THE STANDARD SPECIFICATIONS FOR "HMA AND/OR PCC SURFACE REMOVAL, BUTT JOINT".
- * SEE TYPICAL SECTIONS FOR MILLING THICKNESS.
- *** 20'-0" (6.1 m) PER 1 (25) RESURFACING (NOTE "A")
10'-0" (3.0 m) PER 1 (25) RESURFACING (NOTE "B")

BASIS OF PAYMENT:

THE BUTT JOINT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD (SQUARE METER) FOR "HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT" OR FOR "PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT".

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

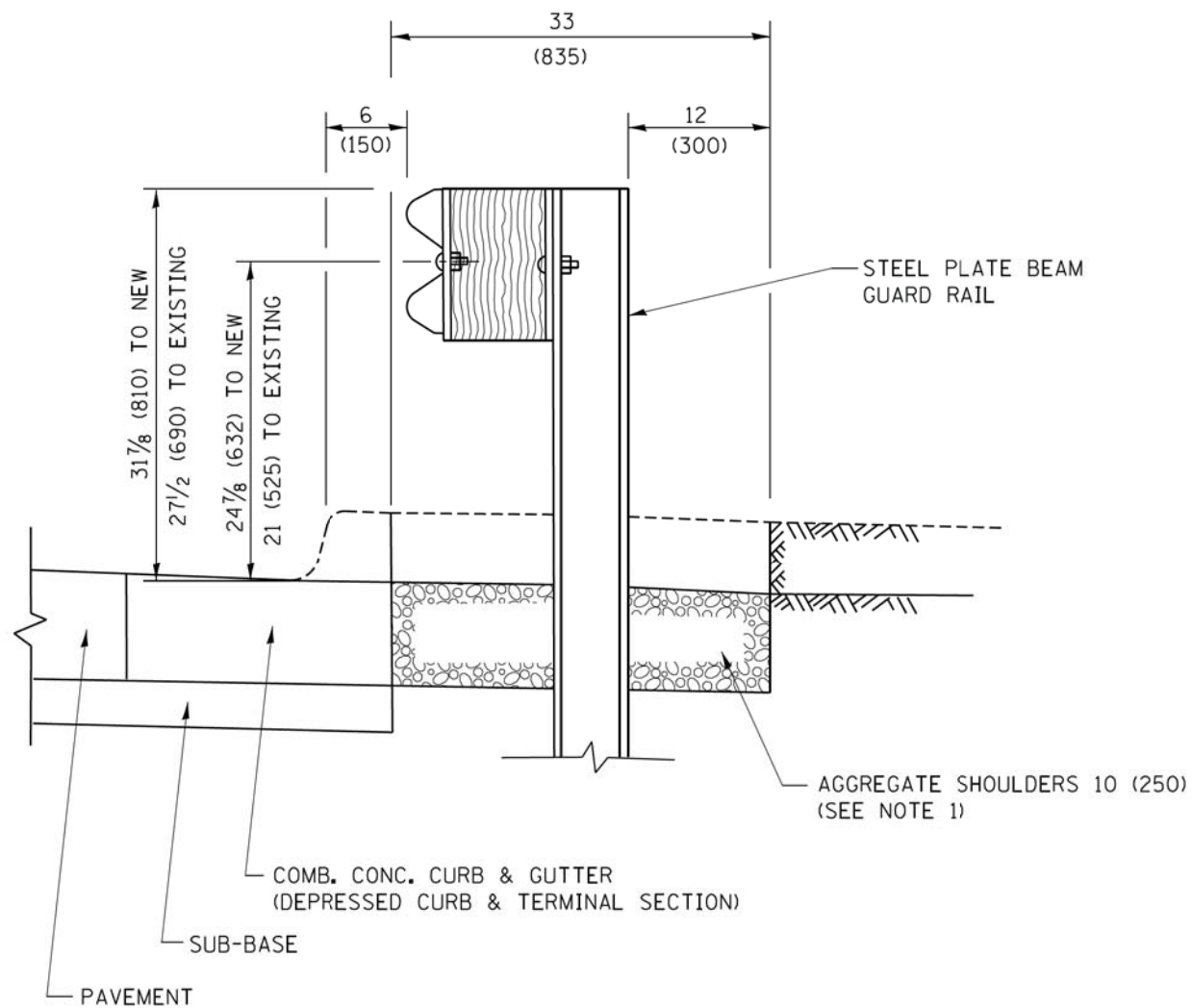
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	PLOT DATE = 1/4/2008	DATE - 06-13-90	REVISED - R. BORO 01-01-07

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**BUTT JOINT AND
HMA TAPER DETAILS**

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

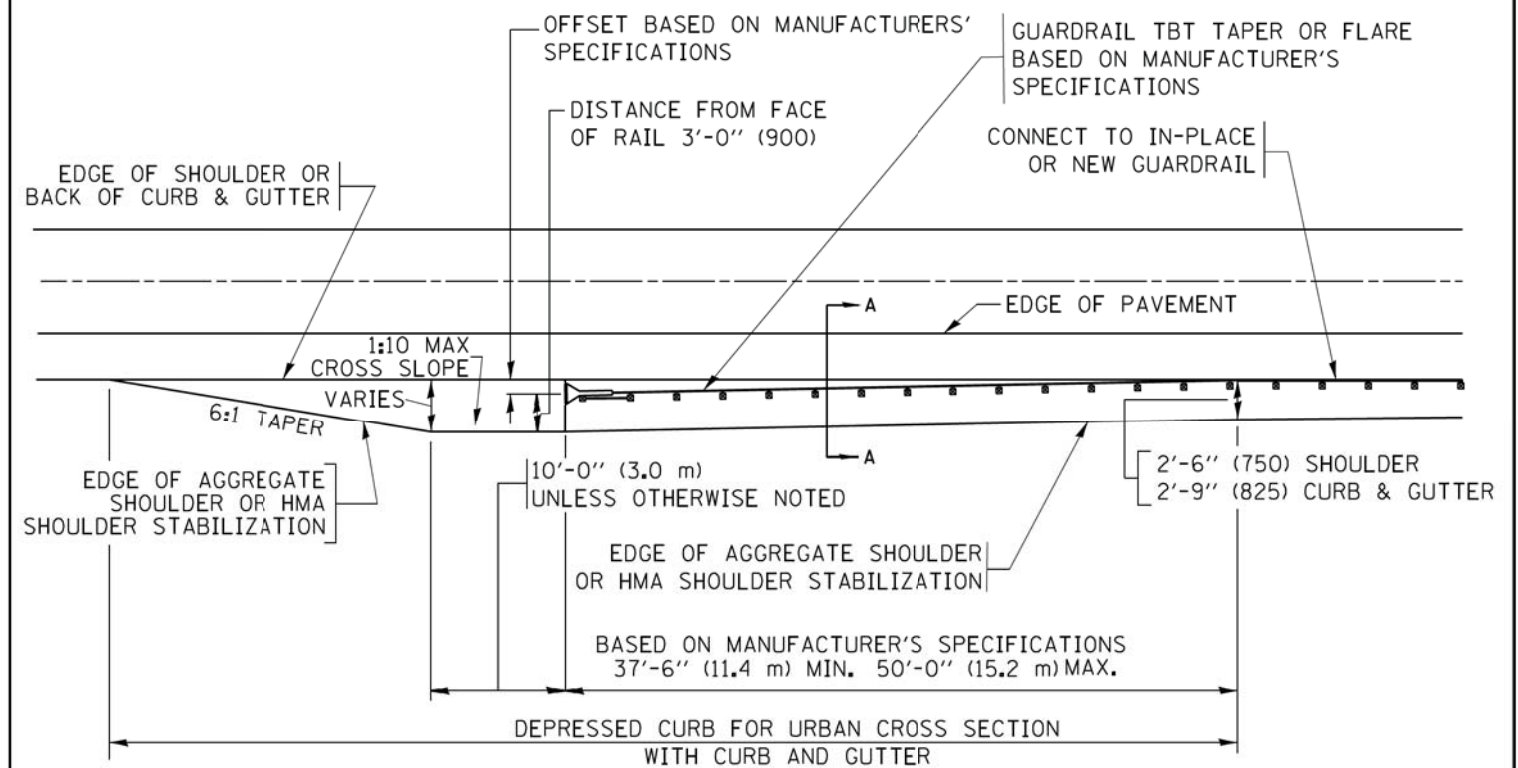
MUN/FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3073/1689	14-00114-01-PV	COOK	282	227
BD400-05 BD32		CONTRACT NO. 61F09		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



SECTION A-A

- NOTES:
1. THE AGGREGATE SHOULDER, 10 (250) OR HMA SHOULDER, 6 (150) (IF REQUIRED) SHALL EXTEND UNDER THE TRAFFIC BARRIER TERMINAL.
 2. "EXISTING" GUARDRAIL REFERS TO CONNECTING TERMINAL SECTION TO GUARD RAILING PRIOR TO THE MIDWEST GUARDRAIL SYSTEM.
 3. THE CONTRACTOR SHALL VERIFY THE TYPE/HEIGHT OF GUARDRAIL IN-PLACE BEFORE ORDERING THE NEW TERMINAL. COST INCLUDED WITH THE COST OF THE TERMINAL. THE TERMINAL SECTION HEIGHT TO BE PLACED MUST MATCH THE HEIGHT OF THE IN-PLACE GUARDRAIL.

**DETAILS FOR STEEL PLATE BEAM
GUARD RAIL ADJACENT TO CURB AND GUTTER
[FOR ROADWAY SPEED 35 MPH (60 kmh) TO 45 MPH (70 kmh)]**



**DEPRESSED CURB AND GUTTER AND
SHOULDER TREATMENT AT TBT TY. 1 SPL.**

AGGREGATE SHOULDER, 10 (250) WILL BE PAID ACCORDING TO SECTION 481.

HMA SHOULDERS 6 (150) (IF REQUIRED) WILL BE PAID ACCORDING TO SECTION 482.

COMB. CONC. C&G, STEEL PLATE BEAM GUARD RAIL AND TRAFFIC BARRIER TERMINAL, OF THE TYPE SPECIFIED WILL BE PAID FOR SEPARATELY.

TBT = TRAFFIC BARRIER TERMINAL
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS)
UNLESS OTHERWISE SHOWN.

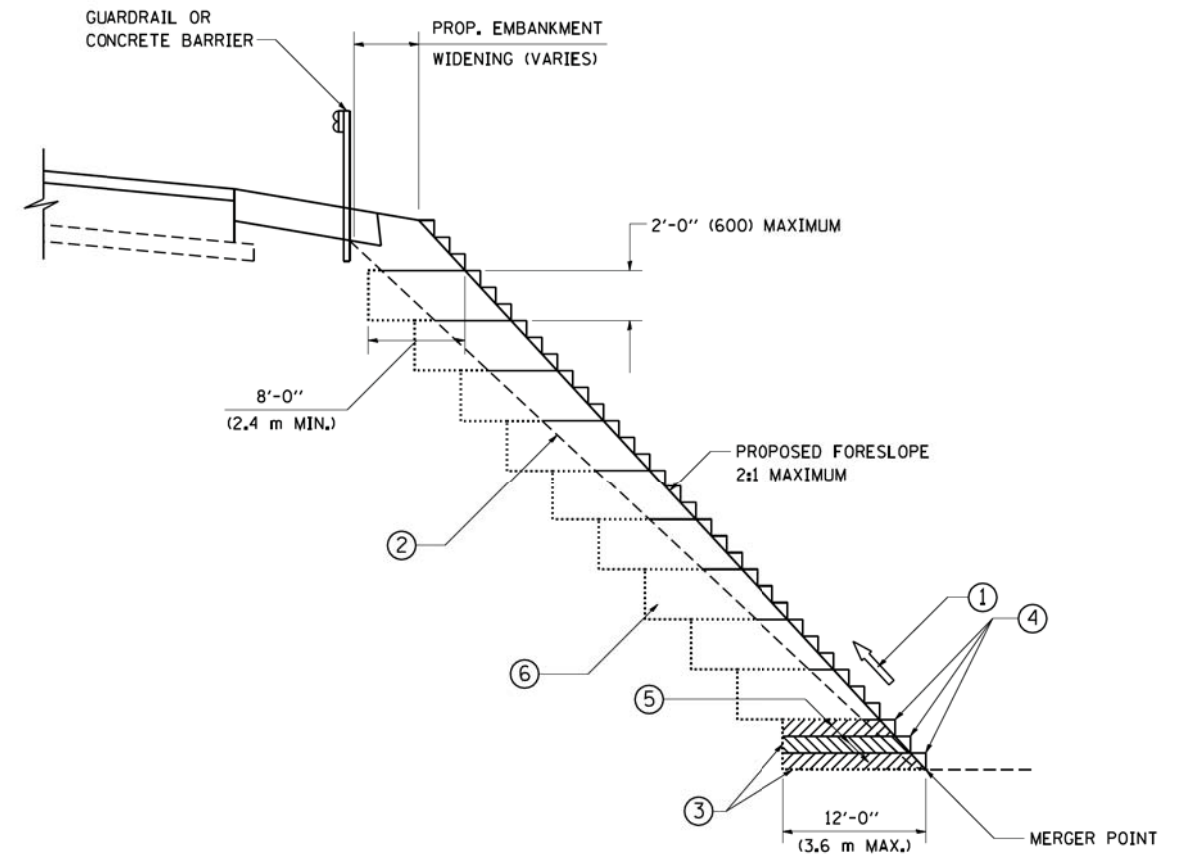
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Default	PLOT DATE = 12/21/2015	DATE - 09-22-90	REVISED - R. BORO 05-08-2015

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DETAILS FOR DEPRESSED CURB & GUTTER AND
SHOULDER TREATMENT AT TBT TY. 1 SPL.**

SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

MUN/FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3073/1689	14-00114-01-PV	COOK	282	228
BD600-10 (BD 34)		CONTRACT NO. 61F09		
ILLINOIS FED. AID PROJECT				



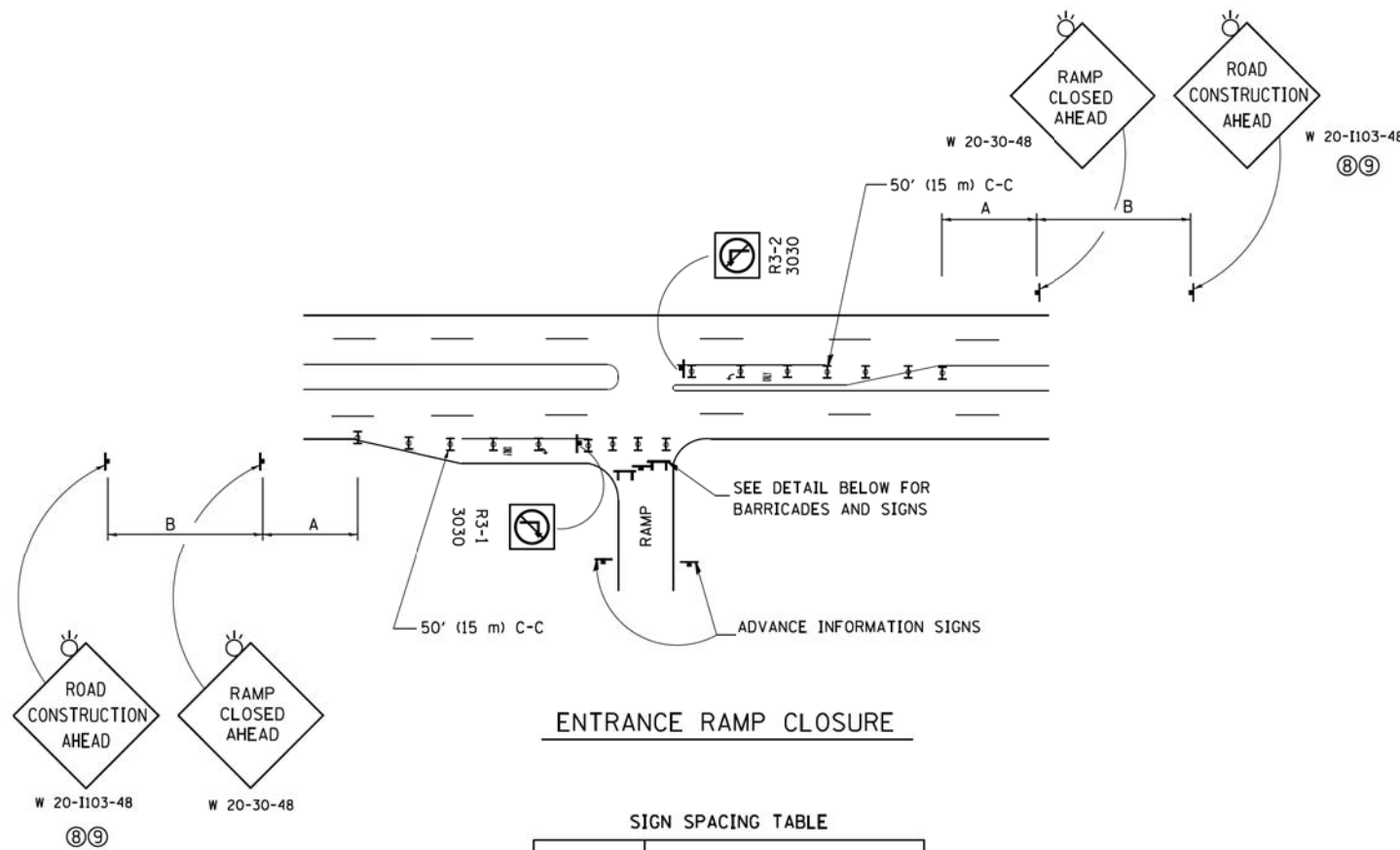
**TYPICAL BENCHING DETAIL
FOR EMBANKMENT**

NOTES:

- ① CONSTRUCT SUCCEEDING BENCH CUTS AND EMBANKMENT PLACEMENT AND COMPACTION FROM BOTTOM TO TOP IN STAIRSTEP FASHION.
- ② EXISTING FORESLOPE PREPARED IN ACCORDANCE WITH ARTICLE 205.03 OF THE STANDARD SPECIFICATIONS.
- ③ BENCH CUT EXISTING SLOPE TYPICAL FOR EACH STEP.
- ④ TRIM TO FINAL SLOPE.
- ⑤ EQUAL 8-INCH (200) LIFTS OF EMBANKMENT COMPACTED IN ACCORDANCE WITH ARTICLE 205.05 OF THE STANDARD SPECIFICATIONS.
- ⑥ EXCAVATION OF BENCH CUTS WITHIN EXISTING EMBANKMENT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER CUBIC METER OR CUBIC YARD FOR "EARTH EXCAVATION". THIS PRICE WILL INCLUDE ALL LABOR AND MATERIAL, NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- ⑦ SLOPES SHALL BE BENCHED ACCORDING TO THIS DETAIL WHEN THE SLOPE IS STEEPER THAN 4:1 AND THE HEIGHT IS GREATER THAN 5' (1.5 m).

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS)
UNLESS OTHERWISE SHOWN.

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	PLOT SCALE = 50.0000' / IN.	DRAWN - CADD	REVISED -		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	3073/1689	14-00114-01-PV	COOK	282 229
	PLOT DATE = 1/4/2008	CHECKED - S.E.B.	REVISED -						BD-51		CONTRACT NO. 61F09	
		DATE - 06-16-04	REVISED -						FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			

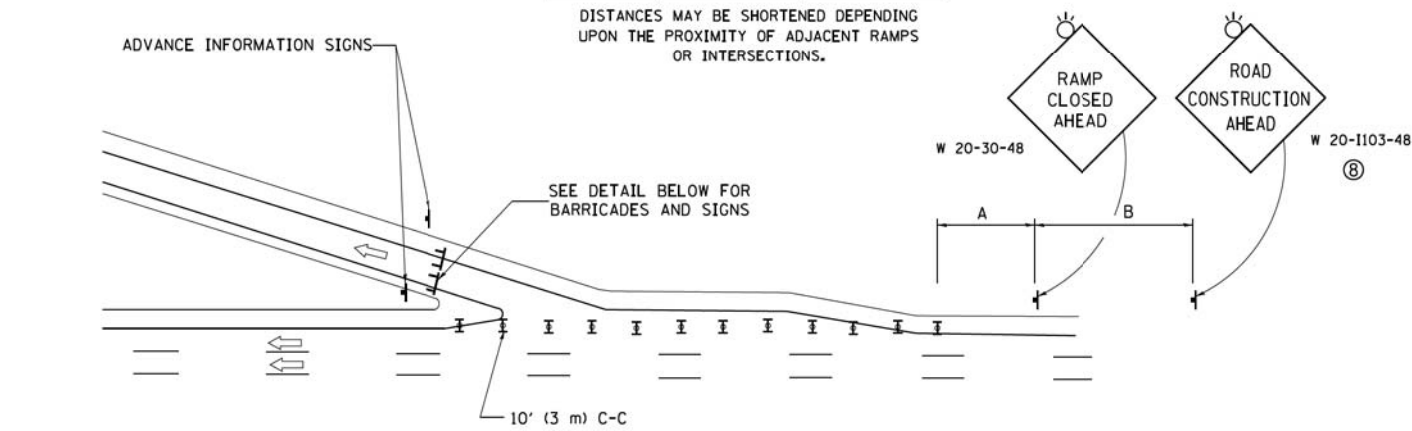


ENTRANCE RAMP CLOSURE

SIGN SPACING TABLE

FACILITY	DISTANCE BETWEEN SIGNS	
	A	B
EXPRESSWAY >24 HOURS	1000' (300 m)	1500' (450 m)
EXPRESSWAY ≤24 HOURS	500' (150 m)	500' (150 m)
ARTERIAL 55 MPH	500' (150 m)	500' (150 m)
ARTERIAL 50-45 MPH	350' (100 m)	350' (100 m)
ARTERIAL <45 MPH	200' (60 m)	200' (60 m)

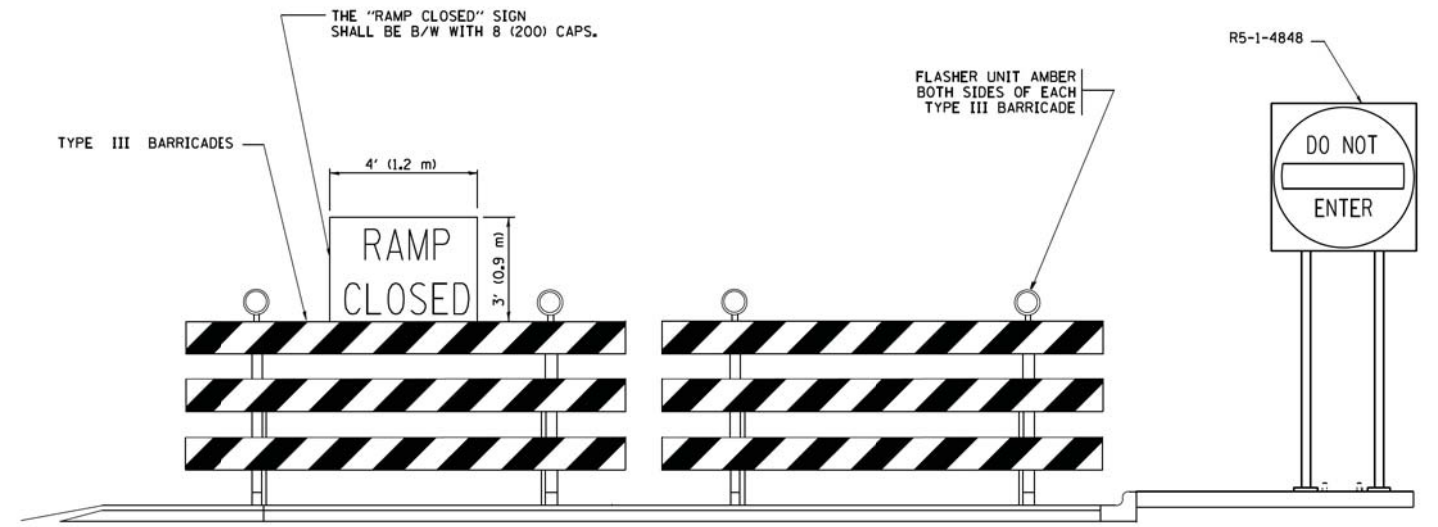
DISTANCES MAY BE SHORTENED DEPENDING UPON THE PROXIMITY OF ADJACENT RAMPS OR INTERSECTIONS.



EXIT RAMP CLOSURE

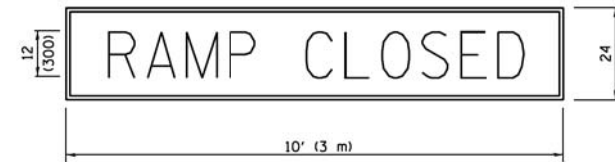
SYMBOLS

- ▬ TYPE II BARRICADE OR DRUM
- ▬ TYPE III BARRICADE WITH 2 FLASHING LIGHTS



DETAIL FOR REQUIRED BARRICADES & SIGNS

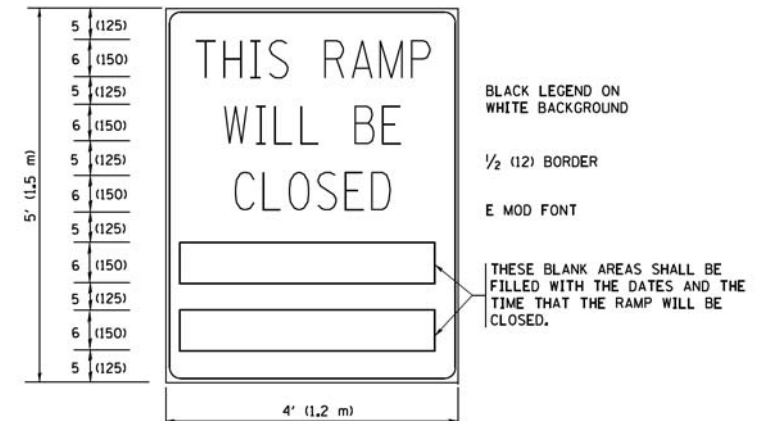
RAMP CLOSURE ADVANCE WARNING SIGN



BLACK LEGEND ON ORANGE BACKGROUND MOUNTED DIAGONALLY
E MOD FONT
1 (25) BORDER

THESE SIGNS ARE REQUIRED ON ALL THE EXIT GUIDE SIGNS FOR EXIT RAMPS THAT WILL BE CLOSED FOR MORE THAN FOUR (4) CONSECUTIVE DAYS.

RAMP CLOSURE ADVANCE INFORMATION SIGN



THESE BLANK AREAS SHALL BE FILLED WITH THE DATES AND TIME THAT THE RAMP WILL BE CLOSED.

THESE SIGNS ARE REQUIRED ON BOTH SIDES OF THE RAMP, MINIMUM OF 1 WEEK IN ADVANCE OF THE CLOSURE.

THESE SIGNS SHALL BE FABRICATED AND PAID FOR ACCORDING TO THE TEMPORARY INFORMATION SIGNING SPECIAL PROVISION

GENERAL NOTES:

- ① CONES MAY BE SUBSTITUTED FOR DRUMS OR TYPE II BARRICADES DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (700) HIGH.
- ② VERTICAL BARRICADES SHALL NOT BE USED FOR RAMP CLOSURES.
- ③ A FLAGGER SHALL BE POSITIONED AT EACH CLOSED RAMP THAT IS OPEN TO CONSTRUCTION VEHICLES, PRECEDED BY A W20-7 FLAGGER WARNING SIGN.
- ④ ALL ROUTE MARKERS AND TRAILBLAZER ASSEMBLIES WHICH DIRECT MOTORISTS TO A CLOSED ENTRANCE RAMP SHALL BE COVERED WHEN THE RAMP IS CLOSED FOR MORE THAN FOUR (4) DAYS.
- ⑤ THE SIGNING AND BARRICADING WHICH IS REQUIRED BY THIS DETAIL SHALL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS).
- ⑥ AUTHORIZATION FROM THE DISTRICT'S BUREAU OF TRAFFIC IS REQUIRED FOR ALL RAMP CLOSURES.
- ⑦ THE RAMP CLOSURE ADVANCE INFORMATION SIGNS SHALL BE ERECTED IF THE CLOSURE TIME EXCEEDS TWENTY-FOUR (24) HOURS. ADDITIONAL ADVANCE WARNING SIGNS ON EXIT GUIDE SIGNING WILL BE REQUIRED FOR EXIT RAMP CLOSURES THAT EXCEED FOUR (4) DAYS IN LENGTH.
- ⑧ ROAD CONSTRUCTION AHEAD SIGNS MAY BE OMITTED WHEN THIS DETAIL IS USED IN CONJUNCTION WITH OTHER TRAFFIC CONTROL THAT ALREADY INCLUDES A ROAD CONSTRUCTION AHEAD SIGN.
- ⑨ ARTERIAL ROAD CONSTRUCTION AHEAD SIGNS SHALL BE INSTALLED ON THE LEFT SIDE OF TRAFFIC IF THE MEDIAN IS MORE THAN 10 FT WIDE.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

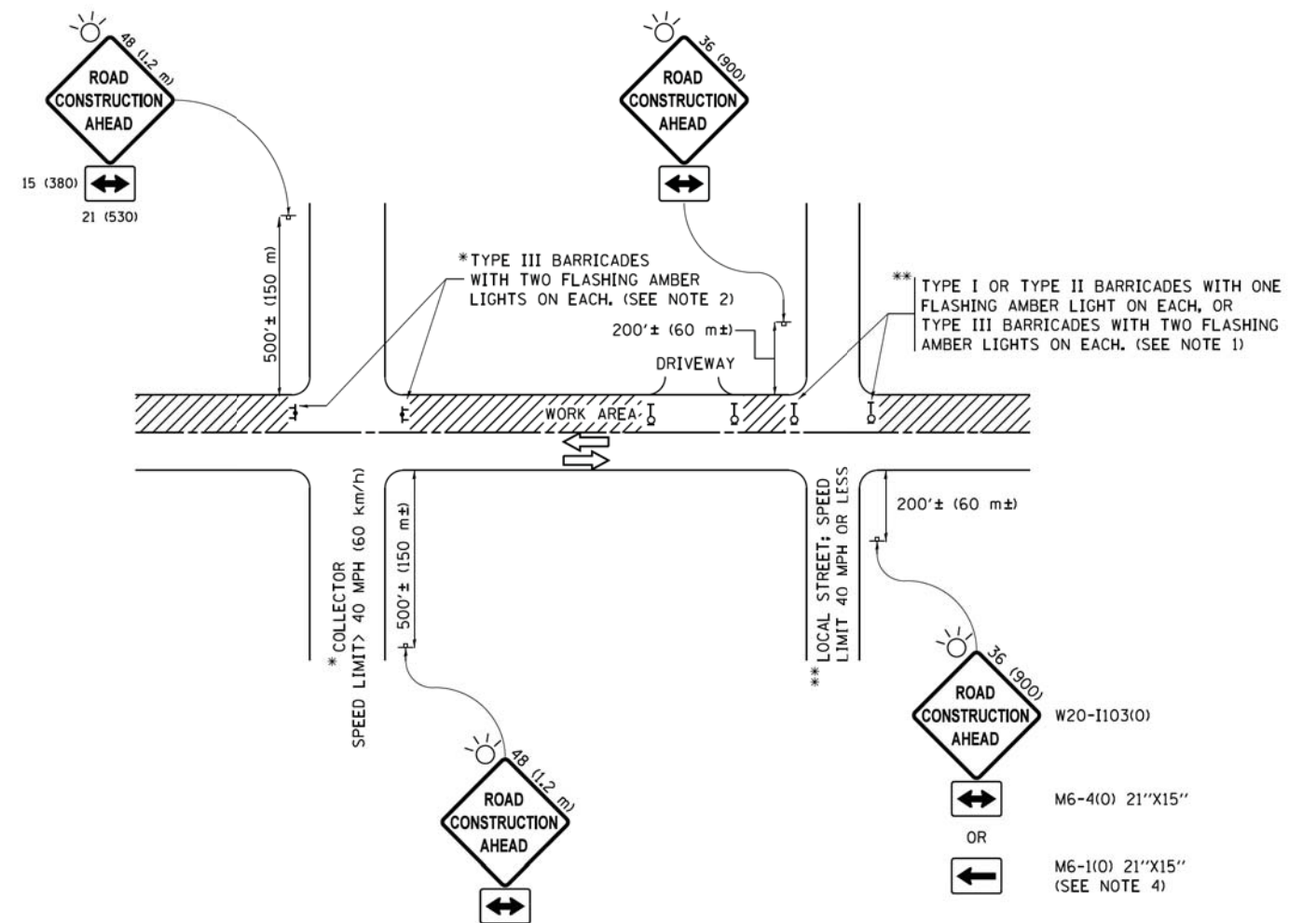
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	PLOT DATE = 11/27/2017	DATE - 02-83	REVISED - M.D. 01-18

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ENTRANCE AND EXIT RAMP
CLOSURE DETAILS**

SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

MUN/FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3073/1689	14-00114-01-PV	COOK	282	230
TC-08		CONTRACT NO. 61F09		
ILLINOIS FED. AID PROJECT				



NOTES:

1. SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - a) ONE "ROAD CONSTRUCTION AHEAD" SIGN 36 x 36 (900x900) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.
 - b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.
2. SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - a) ONE "ROAD CONSTRUCTION AHEAD" SIGN 48 x 48 (1.2 m x 1.2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE OF THE MAIN ROUTE.
 - b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.
3. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT.
4. WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).
5. WHEN WORK IS BEING PERFORMED ON A SIDE ROAD OR DRIVEWAY, FOLLOW THE APPLICABLE STANDARD(S), THE DIRECTIONAL ARROW (M6-1 OR M6-4) SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE TRAFFIC CONTROL SET-UP.
6. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAYS UNLESS OTHERWISE SPECIFIED IN THE PLANS OR BY THE ENGINEER.
7. THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

All dimensions are in inches (millimeters) unless otherwise shown.

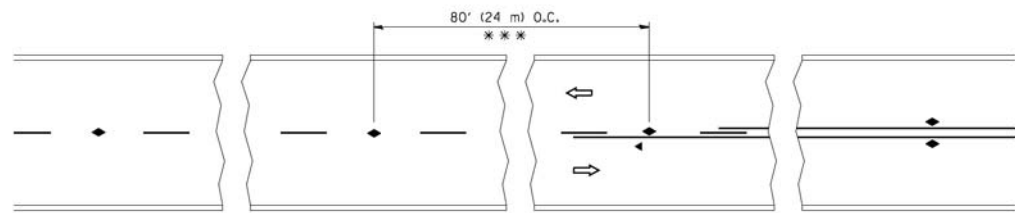
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	PLOT DATE = 9/15/2016		REVISED - A. SCHUETZE 09-15-16

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC CONTROL AND PROTECTION FOR
SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS**

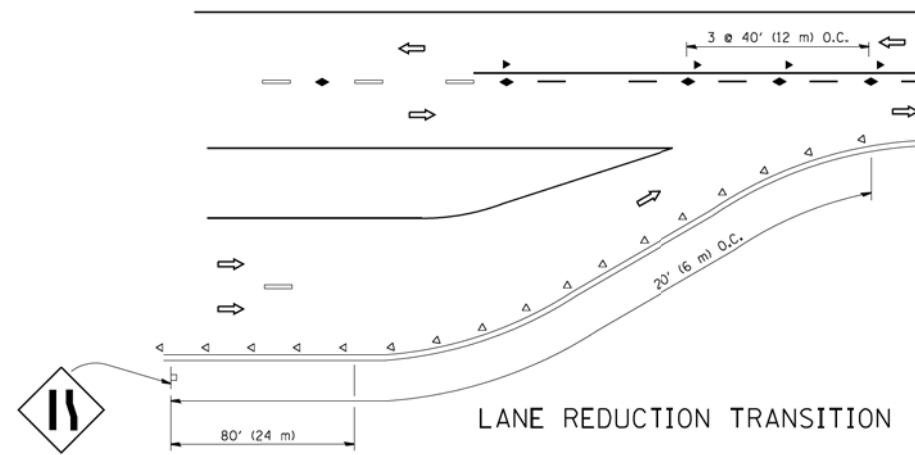
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MUN/FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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TC-10		CONTRACT NO. 61F09		
ILLINOIS FED. AID PROJECT				

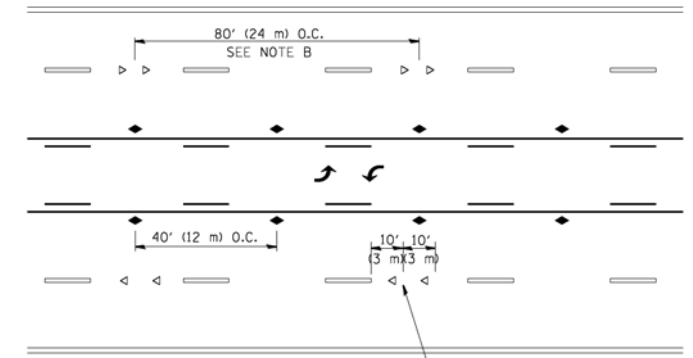


*** REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

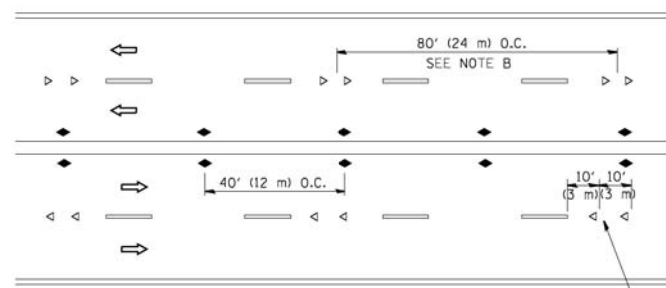
TWO-LANE/TWO-WAY



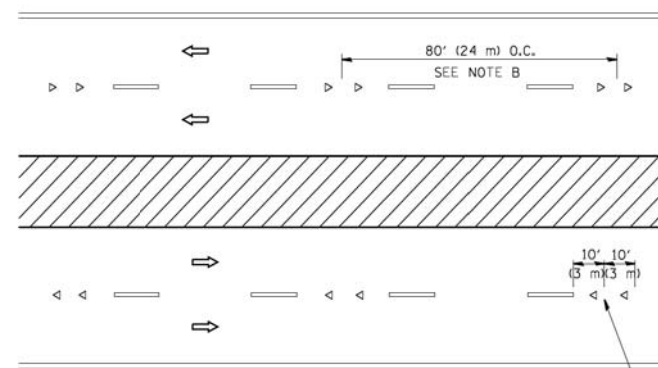
LANE REDUCTION TRANSITION



TWO-WAY LEFT TURN



MULTI-LANE/UNDIVIDED



MULTI-LANE/DIVIDED

GENERAL NOTES

1. MARKERS USED WITH DASHED LINES SHALL BE CENTERED IN THE GAP BETWEEN SEGMENTS.
2. MARKERS USED ADJACENT TO SOLID LINES SHALL BE OFFSET 2 TO 3 (50 TO 75) TOWARD TRAFFIC AS SHOWN.
3. MARKERS THROUGH TANGENTS LESS THAN 500' (150 m) IN LENGTH BETWEEN CURVES SHALL BE INSTALLED AT THE LESSER OF THE TWO CURVE SPACINGS.

SYMBOLS

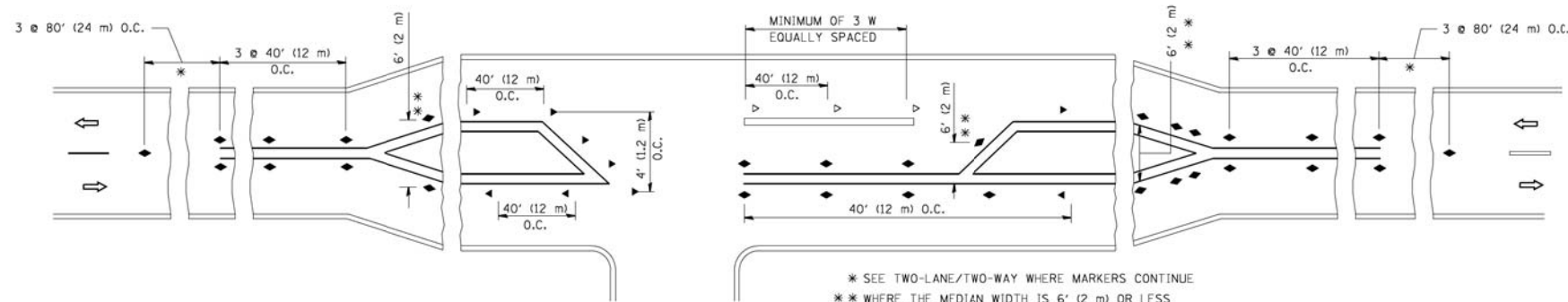
- YELLOW STRIPE
- WHITE STRIPE
- ◀ ONE-WAY AMBER MARKER
- ◁ ONE-WAY CRYSTAL MARKER (W/O)
- ◆ TWO-WAY AMBER MARKER

LANE MARKER NOTES

- A. USE DOUBLE LANE LINE MARKERS SPACED AS SHOWN.
- B. REDUCE TO 40' (12 m) O.C. ON CURVES WHERE ADVISORY SPEEDS ARE 10 M.P.H (20 km/h) LOWER THAN POSTED SPEEDS.

DESIGN NOTES

1. DOUBLE LANE LINE MARKERS SHALL BE USED UNLESS SPECIFIED OTHERWISE.
2. EXCEPT AS SHOWN ON THE LANE REDUCTION TRANSITION AND FREEWAY EXIT RAMP DETAIL, MARKERS ARE NOT TO BE SPECIFIED ON RIGHT EDGE LINES.
3. THE EXACT MARKER LIMITS, SPACING, AND COLOR SHALL BE INCLUDED IN THE PLANS WHEN STANDARD SPECIFICATIONS ARE NOT BEING USED.
4. MARKERS SHOULD NOT BE USED ALONGSIDE CURBS EXCEPT FOR EXTREMELY SHORT SECTIONS OF CURBS WHERE NOT MORE THAN TWO MARKERS WOULD BE INVOLVED.



LEFT TURN

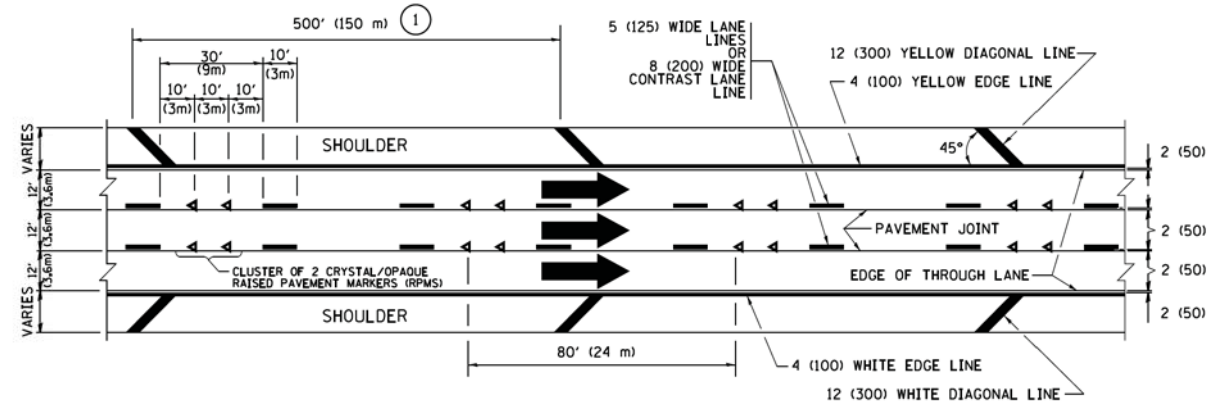
* SEE TWO-LANE/TWO-WAY WHERE MARKERS CONTINUE
 ** WHERE THE MEDIAN WIDTH IS 6' (2 m) OR LESS USE TWO-WAY MARKERS.

All dimensions are in inches (millimeters) unless otherwise shown.

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		CHECKED -	REVISED - T. RAMMACHER 01-06-00
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

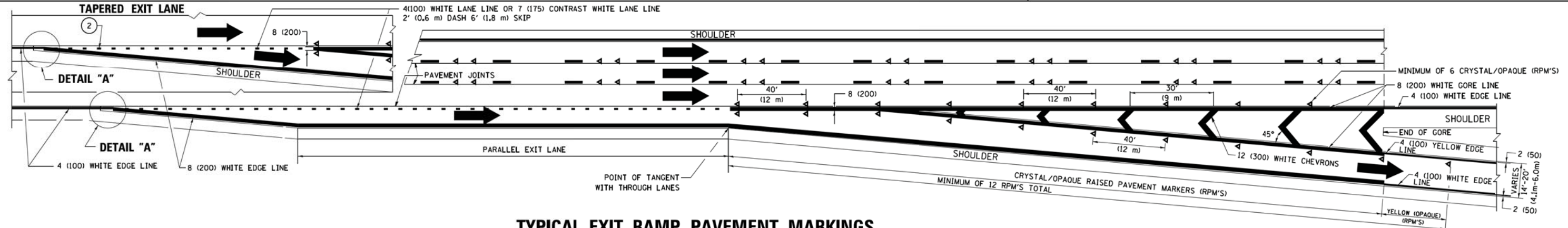
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RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)		3073/1689	14-00114-01-PV	COOK	282	232
SCALE: NONE		TC-11		CONTRACT NO. 61F09		
SHEET NO. 1 OF 1 SHEETS		FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		



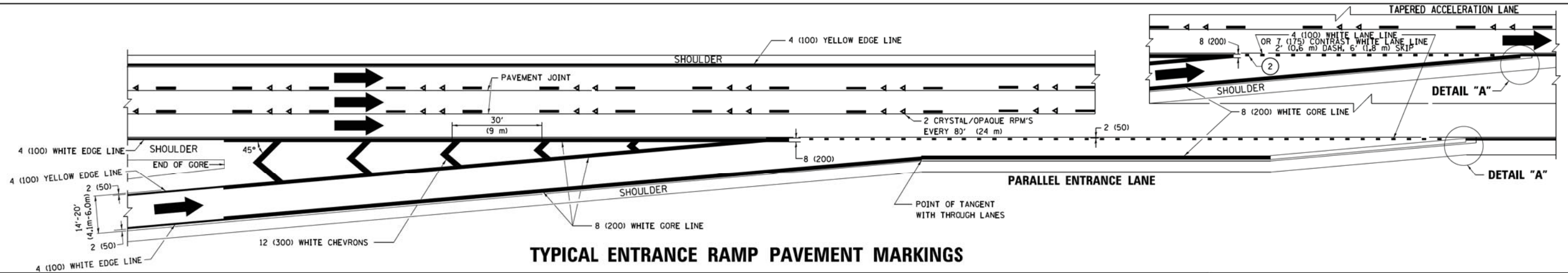
TYPICAL EDGE LINES & LANE LINES

PAVEMENT MARKING MATERIALS

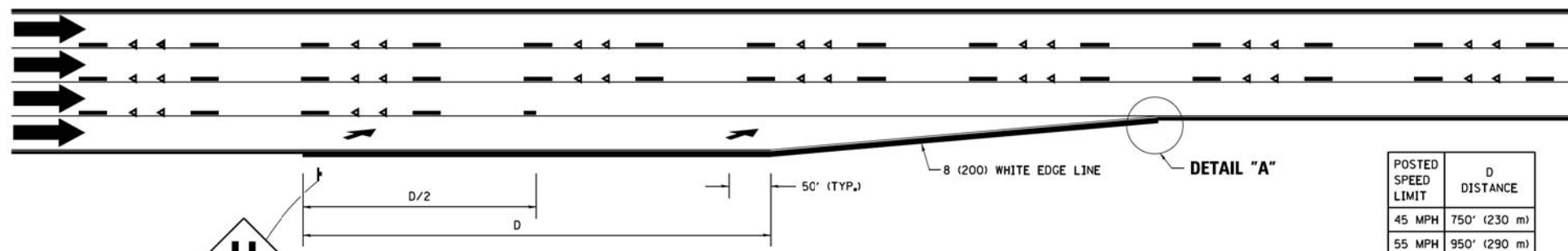
1. THERMOPLASTIC PAVEMENT MARKING LINE SHALL BE USED FOR ALL EDGE LINES, GORE LINES, AND DIAGONAL LINES ON HMA PAVEMENTS.
2. POLYUREA OR MODIFIED URETHANE PAVEMENT MARKING LINE SHALL BE USED FOR ALL EDGE LINES, GORE LINES, AND DIAGONAL LINES ON PCC PAVEMENTS.
3. PREFORMED PLASTIC PAVEMENT MARKING LINE TYPE B, INLAID OR GROOVE IN, SHALL BE USED FOR ALL LANE LINES ON HMA PAVEMENTS.
4. CONTRAST PREFORMED PLASTIC PAVEMENT MARKING LINE TYPE B, GROOVE IN, SHALL BE USED FOR ALL LANE LINES ON PCC PAVEMENT.



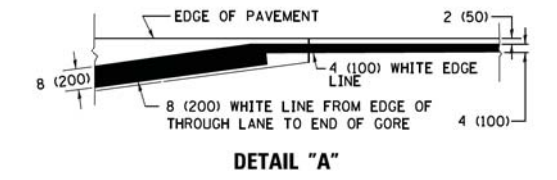
TYPICAL EXIT RAMP PAVEMENT MARKINGS



TYPICAL ENTRANCE RAMP PAVEMENT MARKINGS

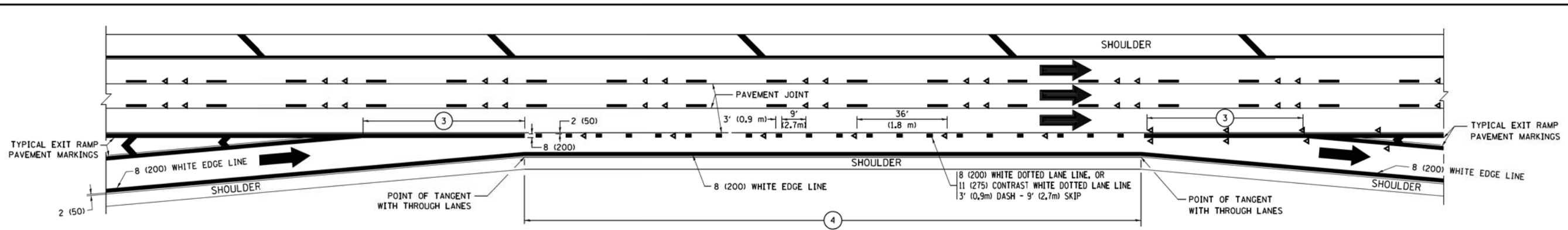


LANE REDUCTION PAVEMENT MARKINGS

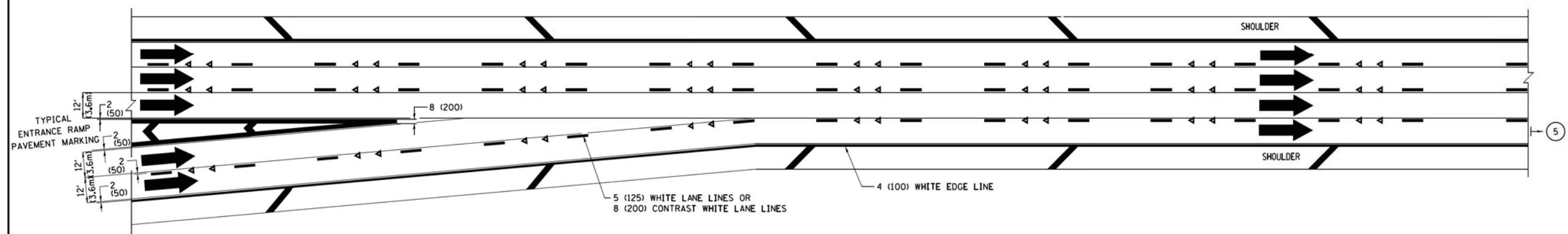


- NOTES:**
- 1 THE DIAGONAL LINES SHALL BE SPACED AT 40' (12 m) C-C ACROSS ALL STRUCTURES WHICH ARE 500' (150 m) OR LESS IN LENGTH. THE DIAGONAL LINES ARE NOT REQUIRED ON SHOULDERS WHICH ARE 6' (1.8 m) OR LESS IN WIDTH.
 - 2 4" (2' DASH, 6' SKIP) MARKING ON TAPERED ENTRANCE AND EXIT RAMP SHALL BE OMITTED ON TANGENT SECTIONS.

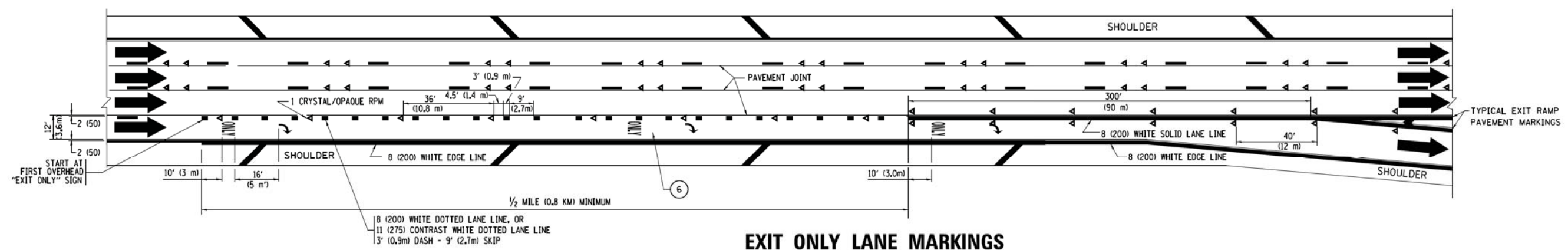
POSTED SPEED LIMIT	D DISTANCE
45 MPH	750' (230 m)
55 MPH	950' (290 m)
65 MPH	1200' (365 m)



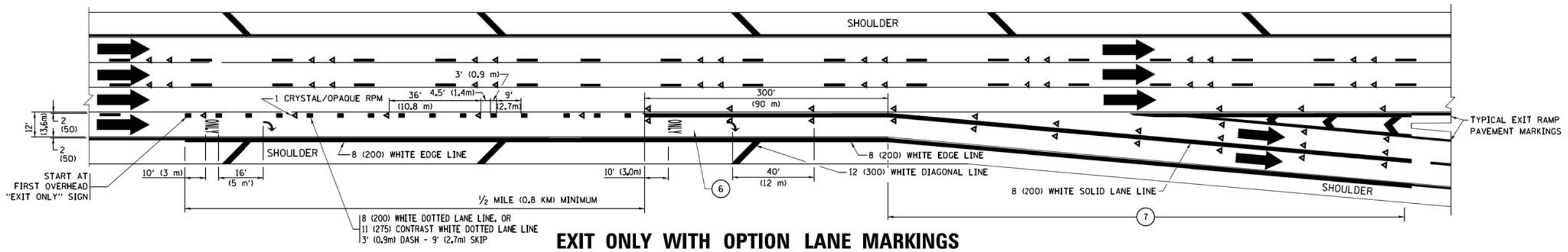
AUXILIARY LANE MARKINGS



TWO LANE ENTRANCE RAMP WITH MERGE MARKINGS



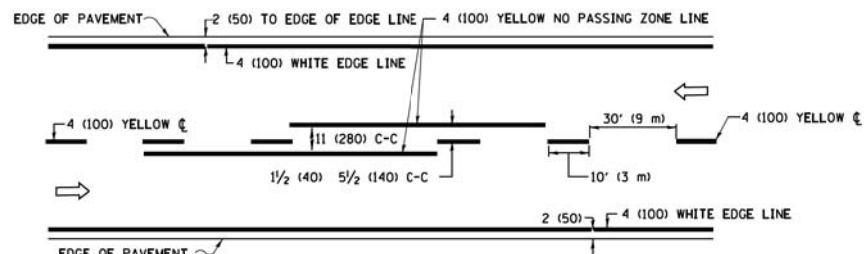
EXIT ONLY LANE MARKINGS



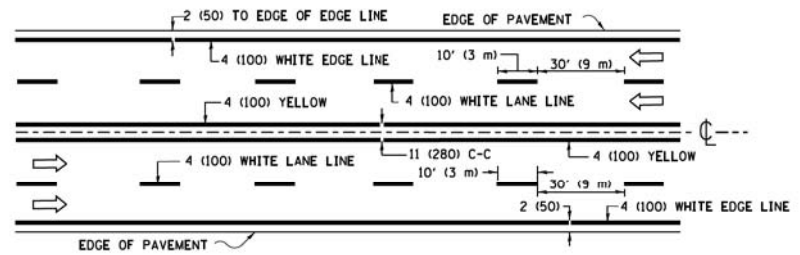
EXIT ONLY WITH OPTION LANE MARKINGS

- NOTES:**
- ③ OMIT WHEN LENGTH OF AUXILIARY LANE IS LESS THAN 500' (150 m).
 - ④ 8-INCH WIDE DOTTED LANE LINE MARKINGS SHALL BE USED WHEN THE LENGTH OF THE AUXILIARY LANE IS 2 MILES OR LESS.
 - ⑤ FOR TWO-LANE ENTRANCE RAMP, IF RIGHT LANE ENDS, USE TYPICAL ENTRANCE RAMP PAVEMENT MARKINGS.
 - ⑥ ONLY AND ARROWS EQUALLY SPACED, 500' (150 m) MAXIMUM SPACING. FULL SIZE LETTERS AND ARROW SHALL BE USED.
 - ⑦ CONTINUE 8" SOLID LANE LINE THROUGH EXIT TO END OF PAVED GORE.

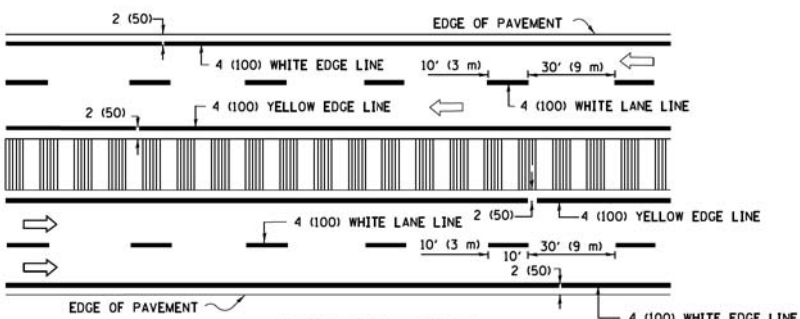
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	PLOT SCALE = 50,000' / 1" =	CHECKED -	REVISED - S.P.B. 01-10								TC-12		CONTRACT NO. 61F09		
	PLOT DATE = 9/6/2017	DATE - 01-90	REVISED - M.D. 09-17								ILLINOIS	FED. AID PROJECT			



2-LANE ROADWAY

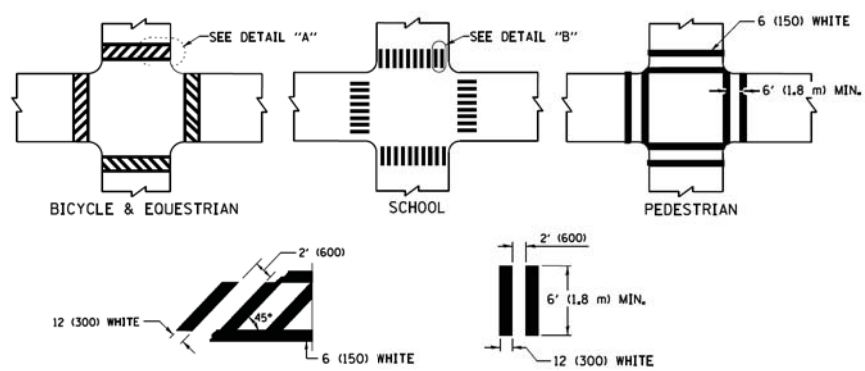


MULTI-LANE UNDIVIDED



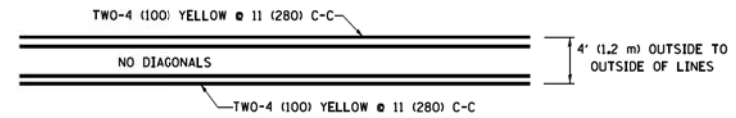
MULTI-LANE DIVIDED WITH MEDIAN

TYPICAL LANE AND EDGE LINE MARKING

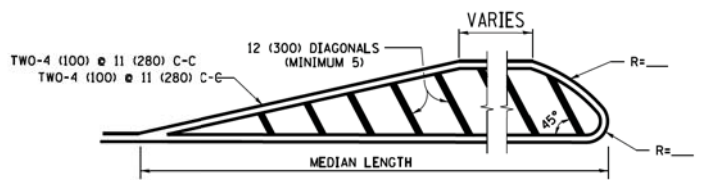


TYPICAL CROSSWALK MARKING

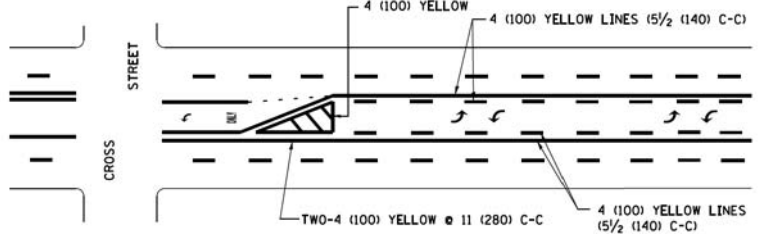
* MARKINGS SHALL BE INSTALLED PARALLEL TO THE CENTERLINE OF THE ROAD WHICH IT CROSSES



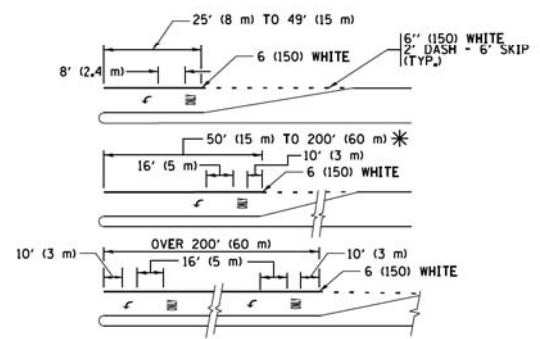
4' (1.2 m) WIDE MEDIANS ONLY



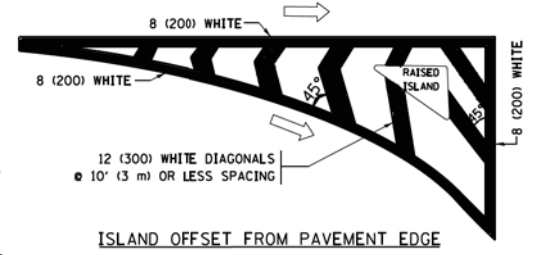
MEDIANS OVER 4' (1.2 m) WIDE



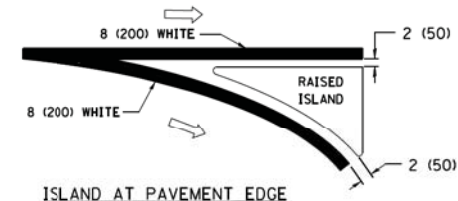
MEDIAN WITH TWO-WAY LEFT TURN LANE TYPICAL PAINTED MEDIAN MARKING



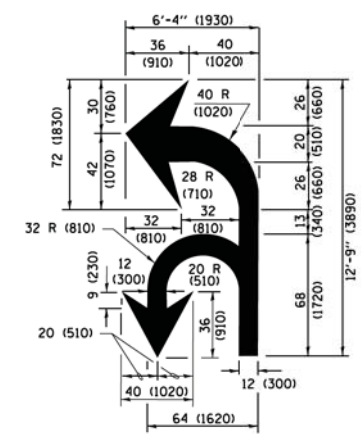
TYPICAL LEFT (OR RIGHT) TURN LANE TYPICAL TURN LANE MARKING



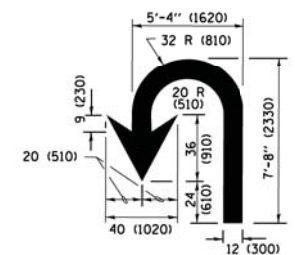
ISLAND OFFSET FROM PAVEMENT EDGE



ISLAND AT PAVEMENT EDGE TYPICAL ISLAND MARKING



COMBINATION LEFT AND U-TURN



U-TURN

LANE REDUCTION TRANSITION

* LANE REDUCTION ARROWS REQUIRED AT SPEEDS OF 45 MPH OR GREATER OR WHEN SPECIFIED IN PLANS.

D(FT)	SPEED LIMIT
345	30
425	35
500	40
580	45
665	50
750	55

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING /REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 @ 4 (100)	SOLID SOLID	YELLOW YELLOW	5 1/2 (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1.8 m) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MEDIANS IN YELLOW
TURN LANE MARKINGS	6 (150) LINE; FULL SIZE LETTERS & SYMBOLS (8' (2.4m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION 8' (2.4m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH 5 1/2 (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 @ 6 (150) 12 (300) @ 45° 12 (300) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT, OTHERWISE, PLACE AT DESIRED STOPPING POINT, PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE
PAINTED MEDIANS	2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45° NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS	SOLID	YELLOW; TWO WAY TRAFFIC WHITE; ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
GORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES; "RR" IS 6' (1.8 m) LETTERS; 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF "X" = 3.6 SQ. FT. (0.33 m²) EACH "X" = 54.0 SQ. FT. (5.0 m²)
SHOULDER DIAGONALS (REQUIRED FOR SHOULDERS ≥ 8')	12 (300) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (OVER 45MPH (70 km/h))
U TURN ARROW	SEE DETAIL	SOLID	WHITE	16.3 SF
2 ARROW COMBINATION LEFT AND U TURN	SEE DETAIL	SOLID	WHITE	30.4 SF

FOR FURTHER DETAILS ON PAVEMENT MARKING REFER TO STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND STATE STANDARD 780001.

All dimensions are in inches (millimeters) unless otherwise shown.

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	PLOT DATE = 6/23/2017	CHECKED -	REVISED - C. JUCIUS 12-21-15
		DATE - 03-19-90	REVISED - C. JUCIUS 04-12-16

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DISTRICT ONE		MUN/FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
TYPICAL PAVEMENT MARKINGS		3073/1689	14-00114-01-PV	COOK	282	235
SCALE: NONE	SHEET 1 OF 1 SHEETS	STA. TO STA.	TC-13	CONTRACT NO. 61F09	ILLINOIS/FED. AID PROJECT	

TURN BAY ENTRANCE AT START OF LANE CLOSURE TAPER

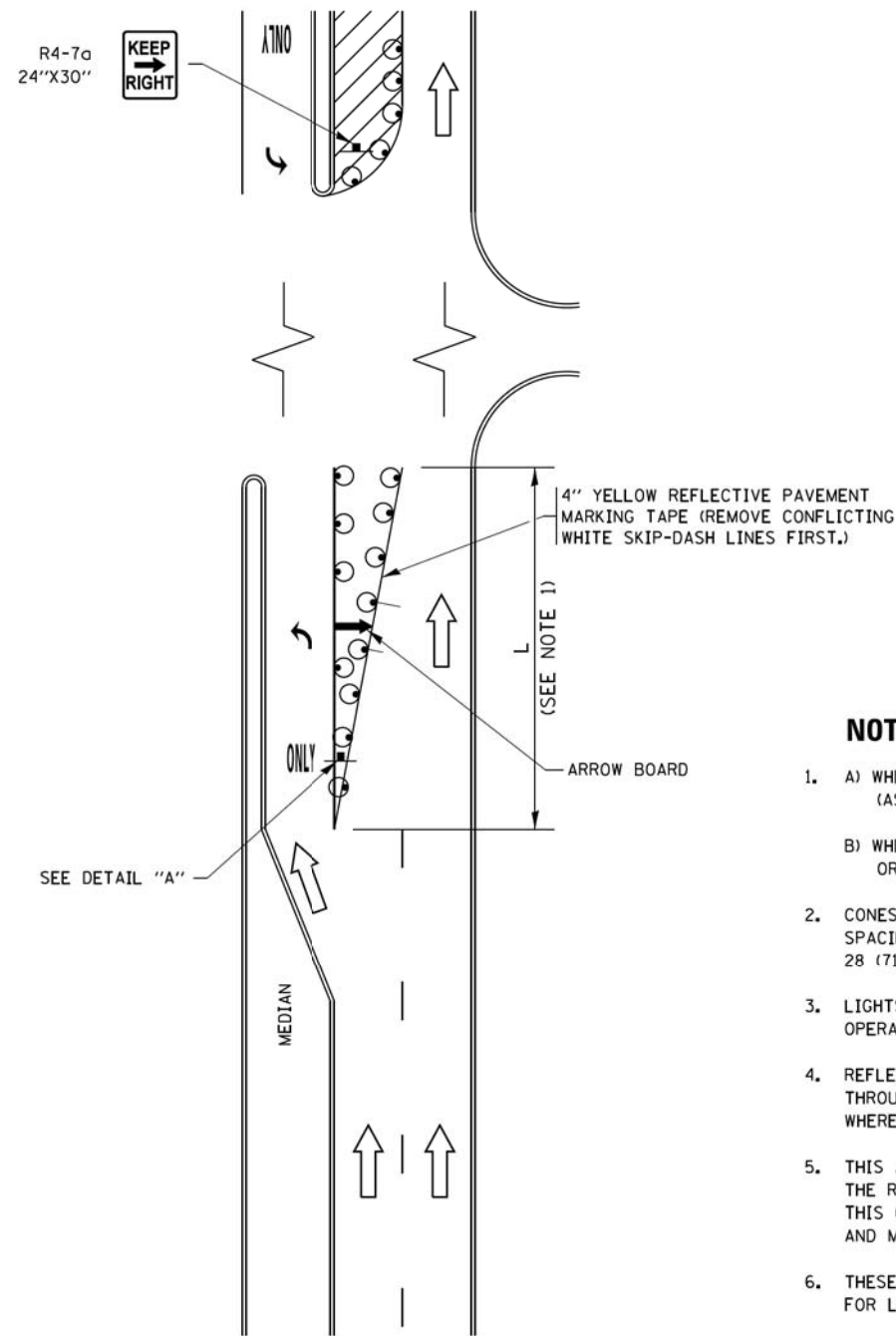


FIGURE 1

TURN BAY ENTRANCE WITHIN A LANE CLOSURE

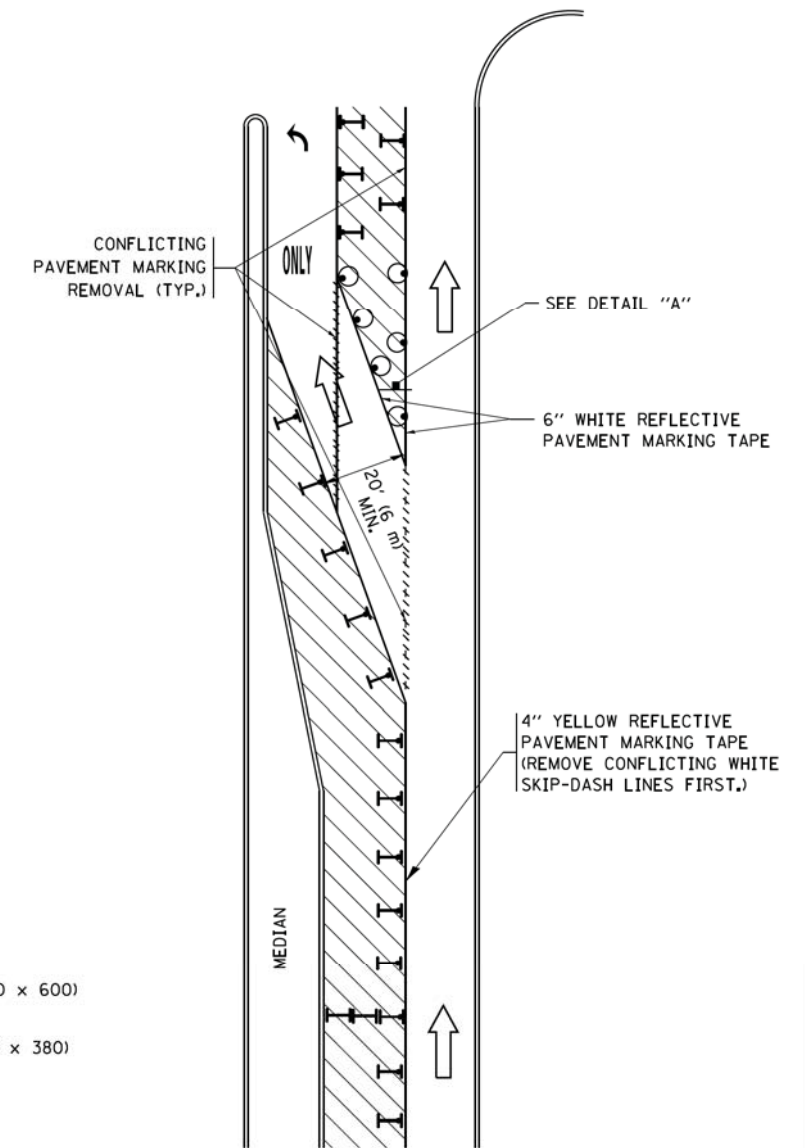









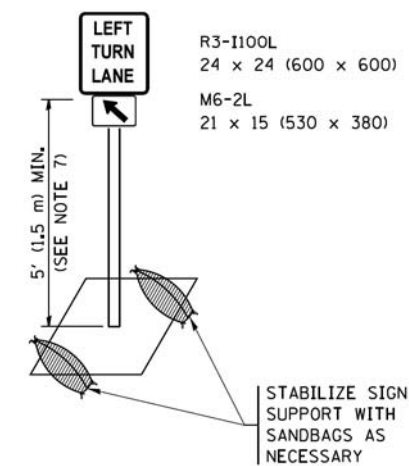
FIGURE 2

LEGEND

-  WORK AREA
-  LANE OPEN TO TRAFFIC
-  ARROW BOARD
-  TYPE I OR II BARRICADE OR DRUM WITH STEADY BURN LIGHT
-  DRUM WITH STEADY BURN LIGHT
-  SIGN ASSEMBLY
-  TYPE I OR II CHECK BARRICADE WITH FLASHING LIGHT

NOTES:

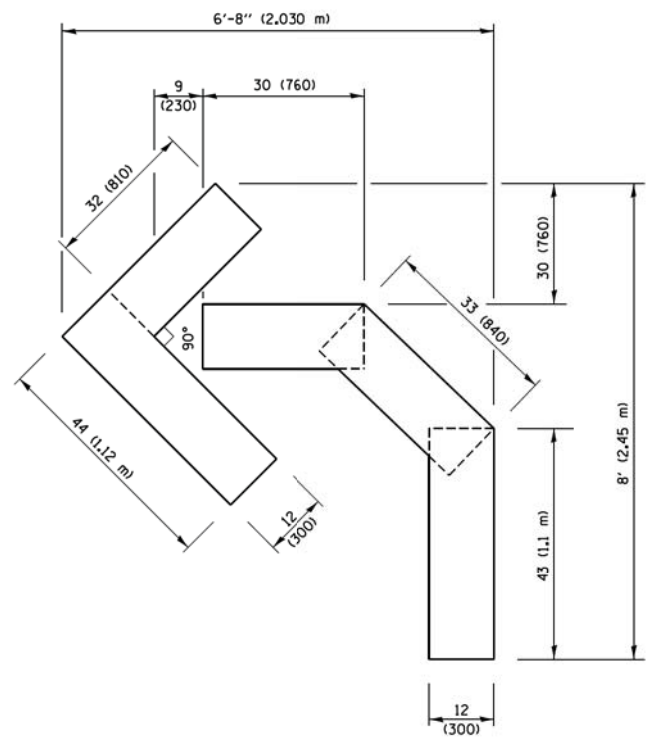
1. A) WHEN "L" IS \leq THE STORAGE LENGTH OF THE TURN LANE (AS SHOWN IN FIG. 1), USE FIGURE 1.
B) WHEN "L" IS $>$ THE STORAGE LENGTH OF THE TURN LANE OR THE TURN LANE IS WITHIN THE LANE CLOSURE, USE FIGURE 2.
2. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT.
3. LIGHTS WILL NOT BE REQUIRED ON BARRICADES OR DRUMS FOR DAY OPERATIONS. ALL LIGHTS SHALL BE MONODIRECTIONAL.
4. REFLECTIVE TEMPORARY PAVEMENT MARKINGS SHALL BE PLACED THROUGHOUT THE BARRICADED AREAS OF EACH TURN BAY AS SHOWN WHERE THE CLOSURE TIME IS GREATER THAN FOURTEEN (14) DAYS.
5. THIS APPLICATION ALSO APPLIES WHEN WORK IS BEING PERFORMED IN THE RIGHT LANE(S) AND THE RIGHT TURN BAY IS TO REMAIN OPEN. UNDER THIS CONDITION, "RIGHT TURN LANE" R3-1100R 24 x 24 (600 x 600) AND M6-2R 21 x 15 (530 x 380) SHALL BE USED.
6. THESE CONTROLS SHALL SUPPLEMENT MAINLINE TRAFFIC CONTROL FOR LANE CLOSURES.
7. THE SIGNS SHALL BE MOUNTED ABOVE THE BARRICADES/DRUMS ON SEPARATE SIGN SUPPORTS THAT MEET NCHRP 350 OR MASH PRE REQUIREMENTS.
8. TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.



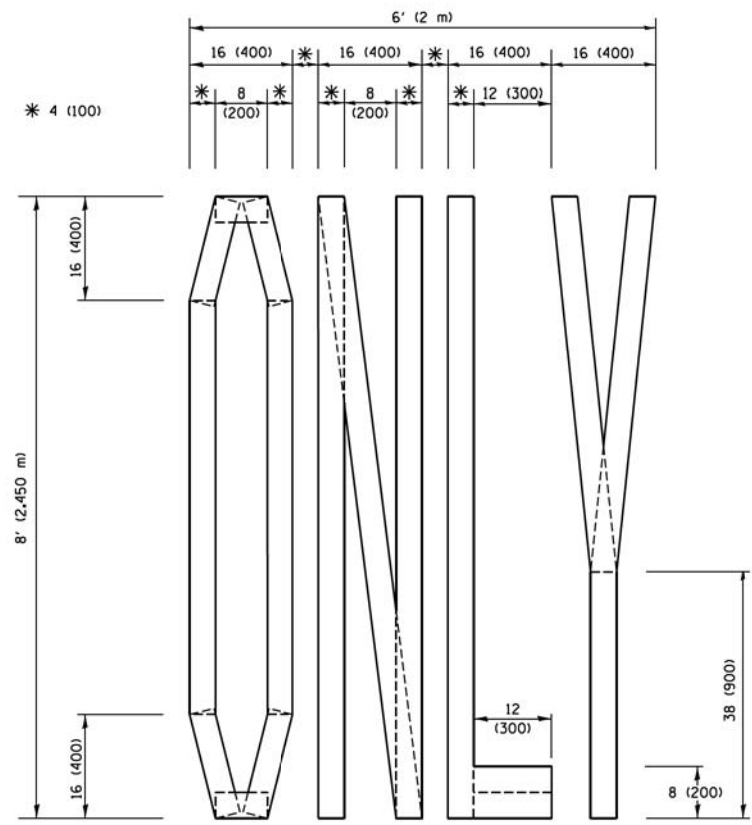
DETAIL A

All dimensions are in inches (millimeters) unless otherwise shown.

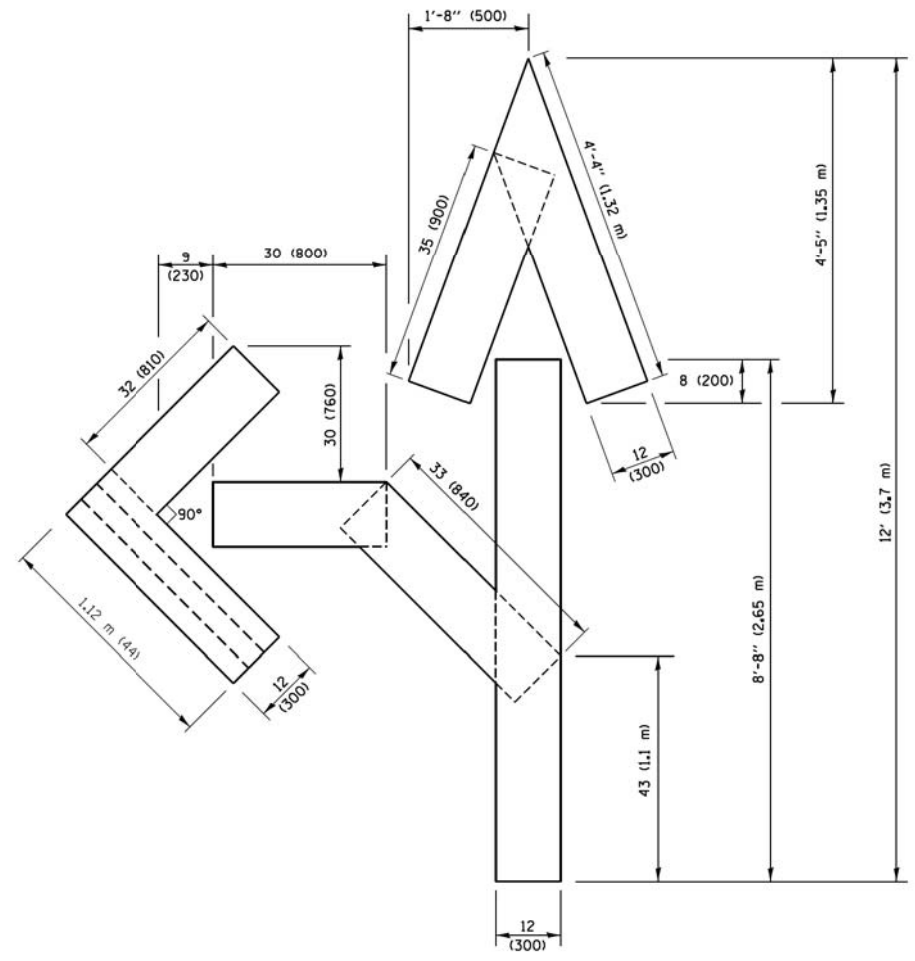
FILE NAME =	USER NAME = footemj	REVISED - T. RAMMACHER 09-08-94	REVISED - R. BORO 09-14-09	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC)			MUN/FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
Default	Default	REVISED - A. HOUSEH 10-07-95	REVISED - A. SCHUETZE 07-01-13					3073/1689	14-00114-01-PV	COOK	282	236
	PLOT SCALE = 50,0000' / 1in.	REVISED - A. HOUSEH 10-12-96	REVISED - A. SCHUETZE 09-15-16		TC-14			CONTRACT NO. 61F09				
	PLOT DATE = 9/15/2016	REVISED - T. RAMMACHER 01-06-00	REVISED -		SCALE: NONE	SHEET 1	OF 1 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT		



QUANTITY
 4 (100) LINE = 45.5 ft. (13.9 m)
 15.2 sq. ft. (1.41 sq. m)

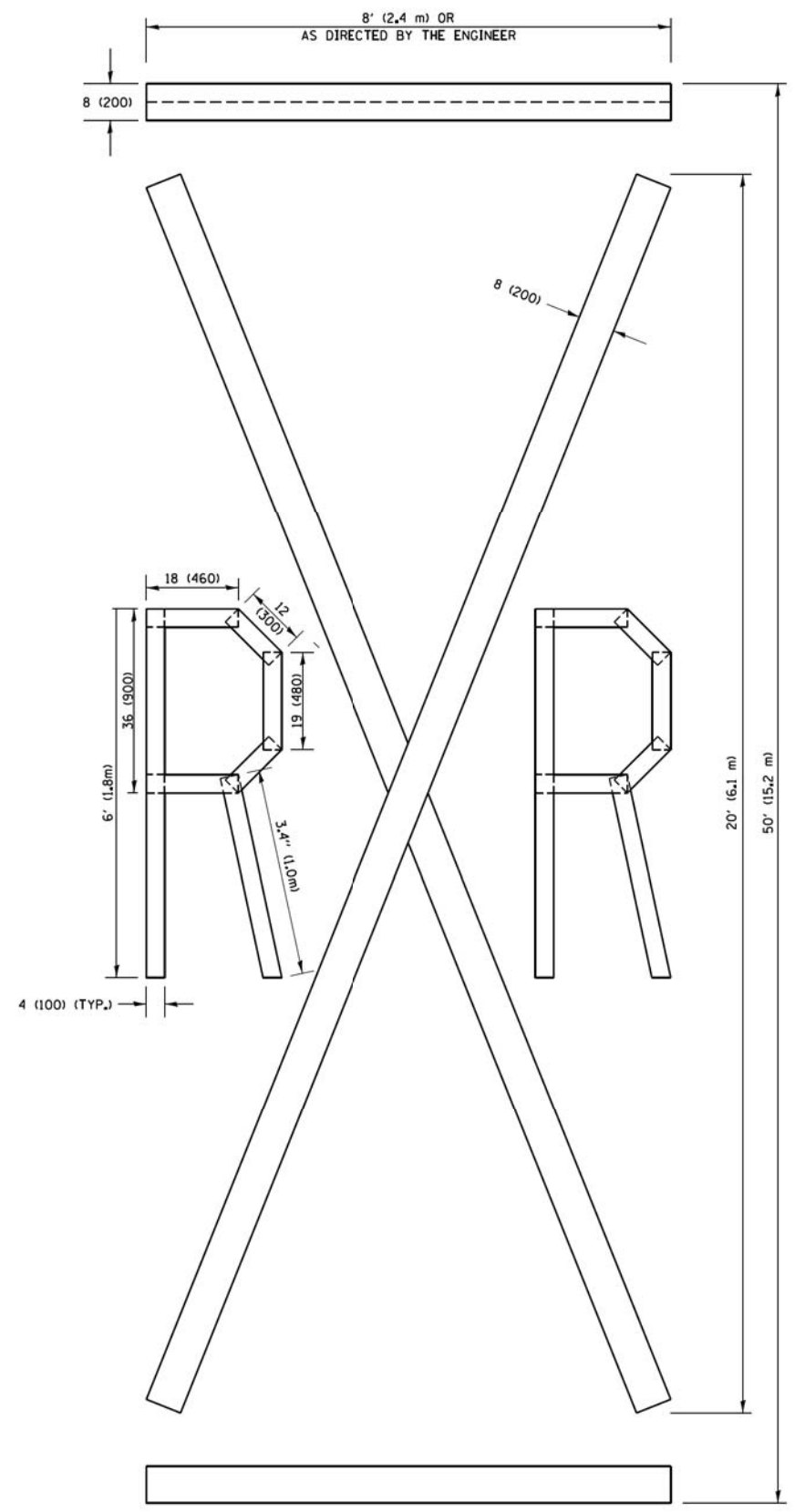


QUANTITY
 4 (100) LINE = 64.1 ft. (19.5 m)
 21.4 sq. ft. (1.99 sq. m)



QUANTITY
 4 (100) LINE = 82.5 ft. (25.1 m)
 27.5 sq. ft. (2.53 sq. m)

NOTE:
 ALL QUANTITIES OF PLACEMENT ARE REPRESENTED IN LINEAR FEET OF 4" LINES TO MATCH THE 4" TEMPORARY TAPE PAY ITEM AND REPRESENTS THE TOTAL QUANTITY OF 4" TAPE REQUIRED.



QUANTITY
 4 (100) LINE = 225.9 ft. (68.9 m)
 75.3 sq. ft. (6.99 sq. m)

All dimensions are in inches (millimeters) unless otherwise shown.

FILE NAME =	USER NAME = footemj	DESIGNED -	REVISED - T. RAMMACHER 03-02-98
pw\l\l884EBID\INTEG\all\inoss\govt\PIWID\Documents\IDOT Offices\District 1\Projects\Dist 5\DRAWN\CADData\CAD\sheet\to16.dgn		DRAWN -	REVISED - E. GOMEZ 08-28-00
PLOT SCALE = 50,0000 / 1 in.		CHECKED -	REVISED - E. GOMEZ 08-28-00
PLOT DATE = 9/15/2016		DATE -	REVISED - A. SCHUETZE 09-15-16

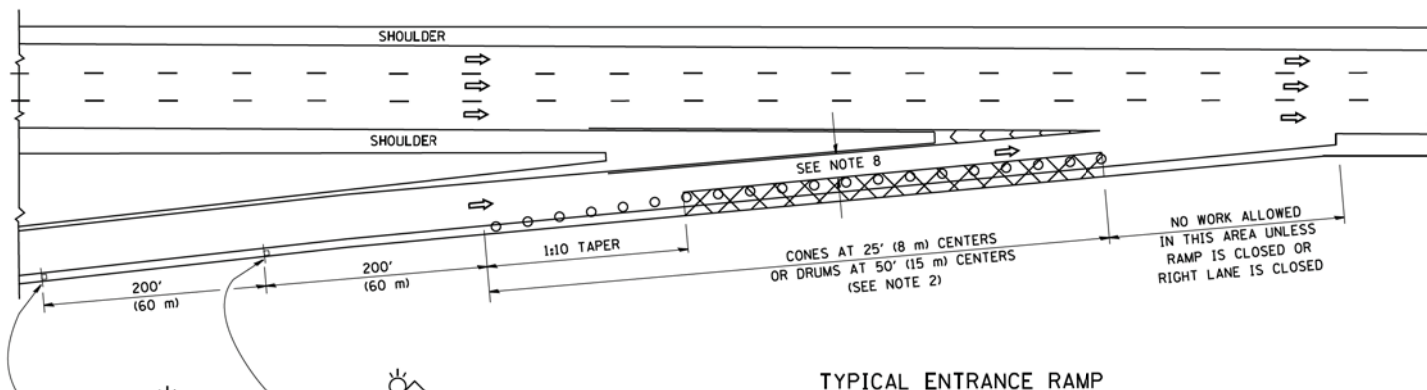
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS			
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.

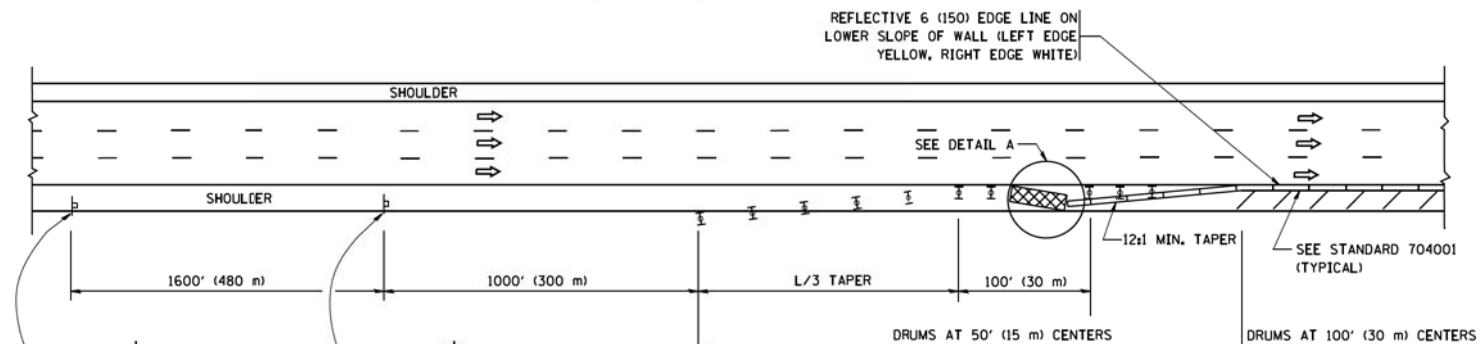
MUN/FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3673/1689	14-00114-01-PV	COOK	282	237
TC-16		CONTRACT NO. 61F09		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

PARTIAL RAMP CLOSURE DETAILS

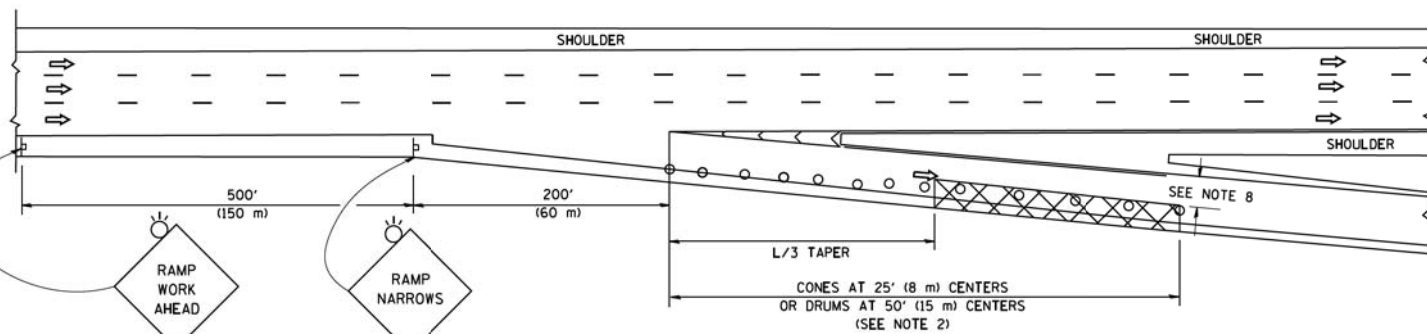
SHOULDER CLOSURE DETAILS



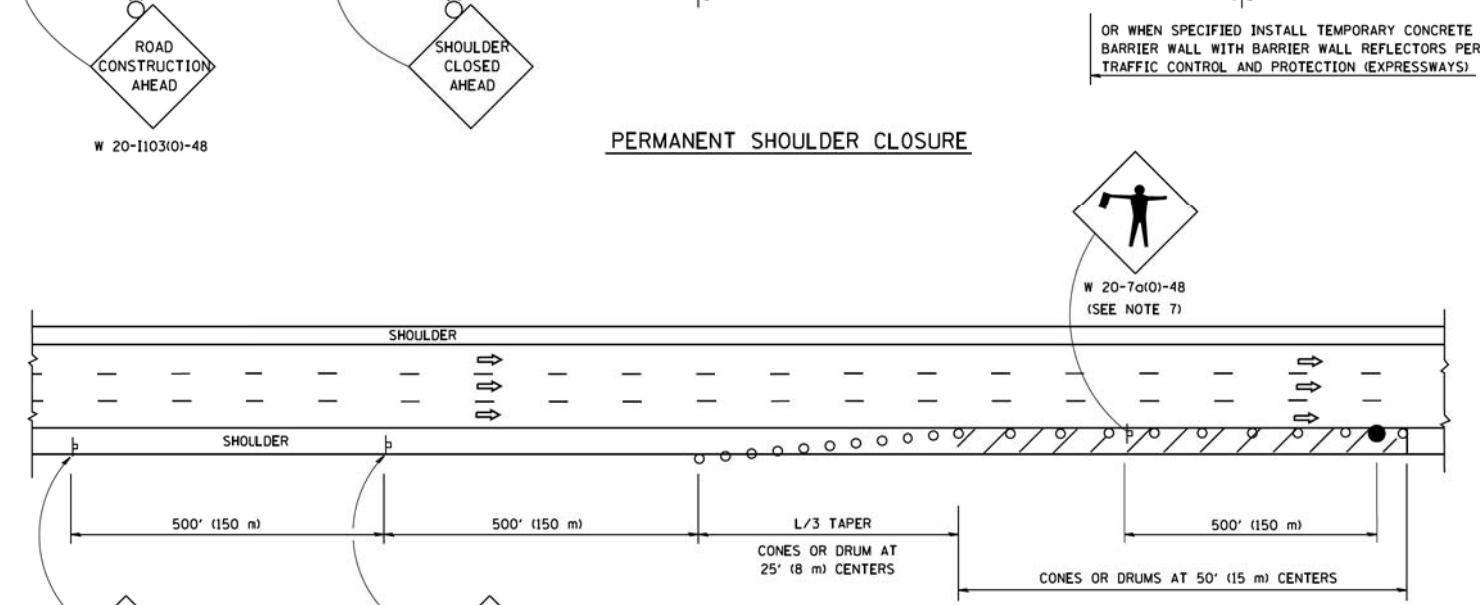
TYPICAL ENTRANCE RAMP



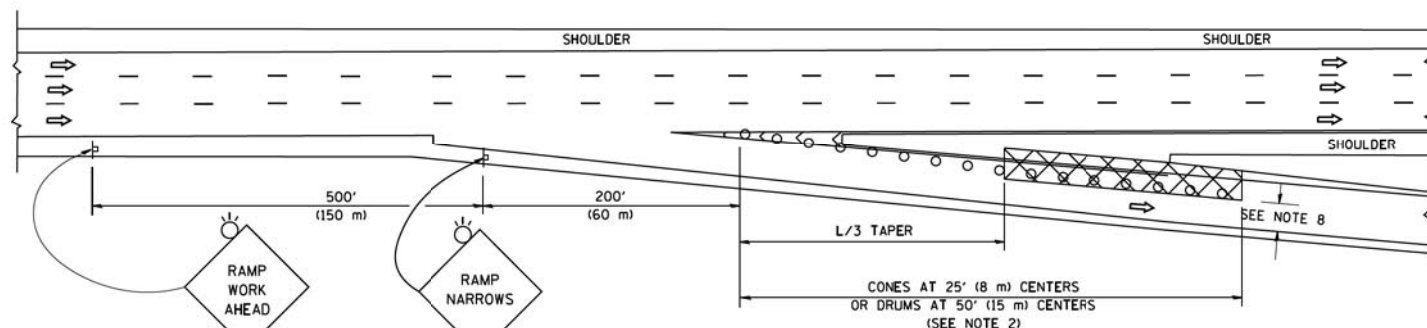
PERMANENT SHOULDER CLOSURE



TYPICAL EXIT RAMP



DAYTIME SHOULDER CLOSURE



TYPICAL EXIT RAMP

SYMBOLS

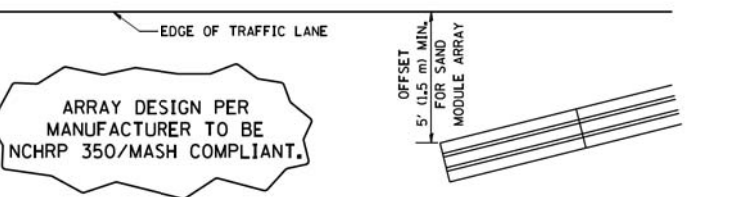
- ACTIVE WORK AREA
- SIGN ON PORTABLE OR PERMANENT SUPPORT
- FLAGGER WITH CONTROL SIGN
- TYPE II BARRICADE OR DRUM
- CONE, DRUM OR BARRICADE
- IMPACT ATTENUATOR OF TYPE AND TEST LEVEL SPECIFIED

GENERAL NOTES

1. THE "L" DISTANCE EQUALS:

SPEED LIMIT		FORMULAS	
45 mph (80 km/h)	OR GREATER:	METRIC	ENGLISH
		$L = 0.65(W)(S)$	$L = (W)(S)$

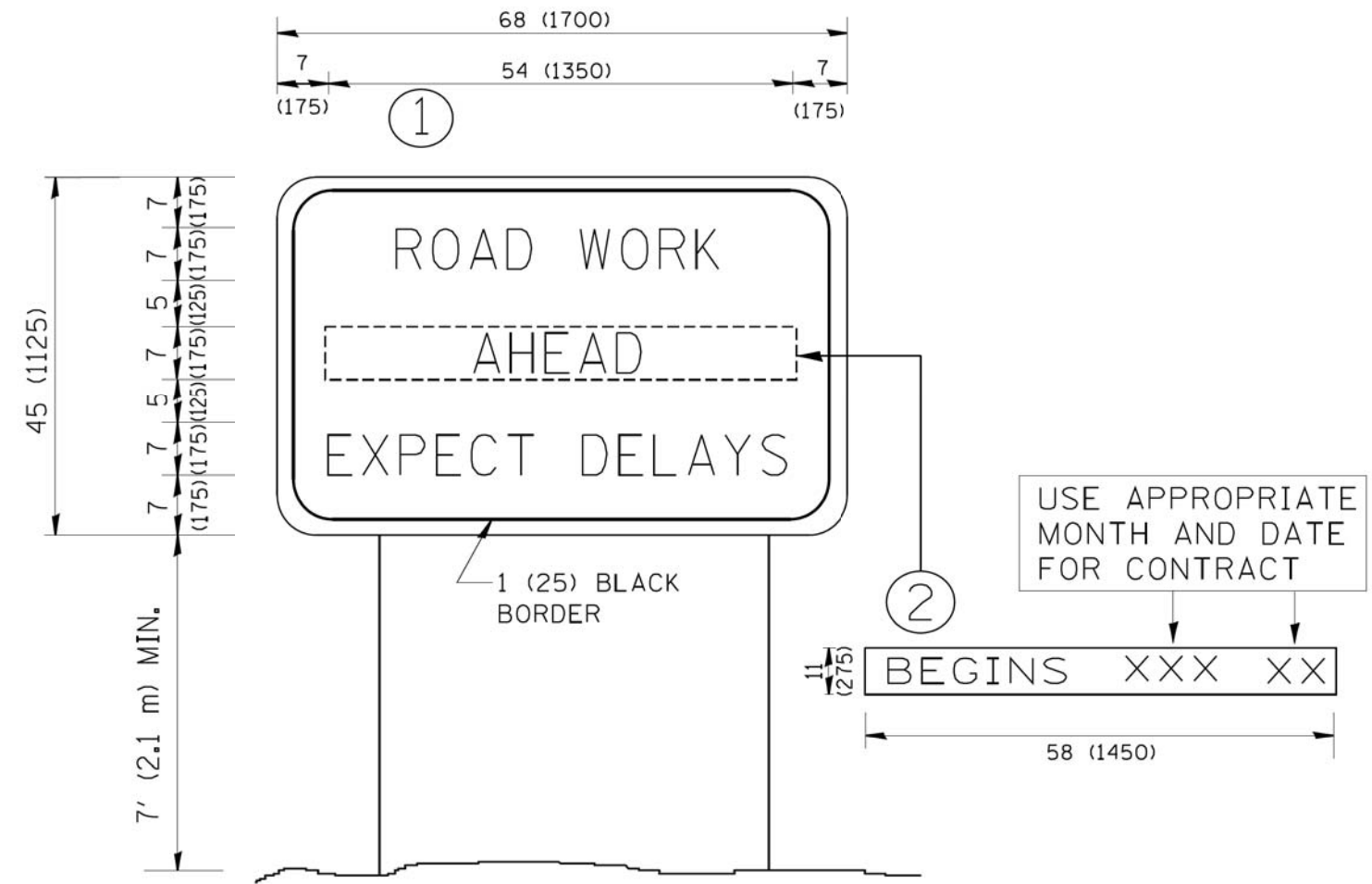
W = WIDTH OF OFFSET IN FEET (METERS)
 S = NORMAL POSTED SPEED MPH (KM/H)
2. TYPE II BARRICADES OR DRUMS ARE REQUIRED FOR ALL NIGHTTIME CLOSURES. TYPE II BARRICADES OR DRUMS WITH MONODIRECTIONAL STEADY BURN LIGHTS ARE REQUIRED FOR DELINEATING OBSTACLES, EXCAVATIONS, OR HAZARDS EXCEEDING 100 FT (30m) IN LENGTH AT NIGHT.
3. ALL SIGNS SHALL BE POST MOUNTED IF THE CLOSURE TIME EXCEEDS FOUR DAYS.
4. FLASHING LIGHTS SHALL BE USED DURING THE HOURS OF DARKNESS AND SHALL BE INSTALLED ABOVE THE FIRST TWO SETS OF SIGNS.
5. THE IMPACT ATTENUATOR, TEMPORARY IS NOT REQUIRED WHEN THE TEMPORARY CONCRETE BARRIER WALL IS PROTECTED BY OR IS TIED INTO THE EXISTING GUARDRAIL. IF OFFSET IS LESS THAN 5 FEET USE NARROW USE TYPE DEVICE TO MEET NCHRP350/MASH.
6. AUTHORIZATION FROM THE DISTRICT'S BUREAU OF TRAFFIC IS REQUIRED FOR ALL FREEWAY CLOSURES.
7. THE FLAGGER AND FLAGGER SIGN ARE REQUIRED AT THE ABOVE WORK SITES WHEN:
 - a. FOUR OR MORE WORK VEHICLES ENTER THE TRAFFIC LANES IN A ONE HOUR PERIOD.
 - b. THE WORK ACTIVITY REQUIRES FREQUENT ENCROACHMENT INTO THE LANE OPEN TO TRAFFIC.
 THE FLAGGER SHALL BE STATIONED APPROXIMATELY 100' (30 m) TO 200' (60 m) IN ADVANCE OF THE WORKERS.
8. 12' MIN. WIDTH TANGENT SECTION
16' MIN. WIDTH CURVE SECTION.



DETAIL "A"
IMPACT ATTENUATOR, TEMPORARY (SEE NOTE 5)

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

FILE NAME =	USER NAME = footemj	DESIGNED - S.P.B., 01-07	REVISED - S.P.B., 12-09	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	
pw\ill084EBIDINTEG... Documents\IDOT Offices\District 1\Projects\Dist... DRAWN\CADDeta\011010\to17.dgn		CHECKED - M.D., 06-13	REVISED - M.D., 01-18	TRAFFIC CONTROL DETAILS FOR FREEWAY SHOULDER CLOSURES AND PARTIAL RAMP CLOSURES	
Default	PLOT SCALE = 50,0000 / 1 in.	DATE - 11-96		SCALE: NONE	SHEET 1 OF 1 SHEETS
	PLOT DATE = 11/27/2017			STA. TO STA.	
				MUN/FAU RTE. SECTION COUNTY TOTAL SHEETS SHEET NO. 3073/1689 14-00114-01-PV COOK 282 238	
				TC-17 CONTRACT NO. 61F09 ILLINOIS/FED. AID PROJECT	



NOTES:

1. USE BLACK LETTERING ON ORANGE BACKGROUND.
2. ERECT SIGNS IN ADVANCE OF THE LOCATION FOR THE "ROAD CONSTRUCTION AHEAD" SIGN AT LOCATIONS AS DIRECTED BY THE ENGINEER.
3. ERECT SIGN ① WITH INSTALLED PANEL ② ONE WEEK PRIOR TO THE START OF CONSTRUCTION.
4. REMOVE PANEL ② SOON AFTER THE START OF CONSTRUCTION.
5. SEE SPECIAL PROVISION FOR "TEMPORARY INFORMATION SIGNING" FOR ADDITIONAL INFORMATION.
6. ONE SIGN ASSEMBLY EQUALS 25.70 SQ. FT. (2.3 SQ. M.)
7. SHALL BE PAID FOR AS TEMPORARY INFORMATION SIGNING.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

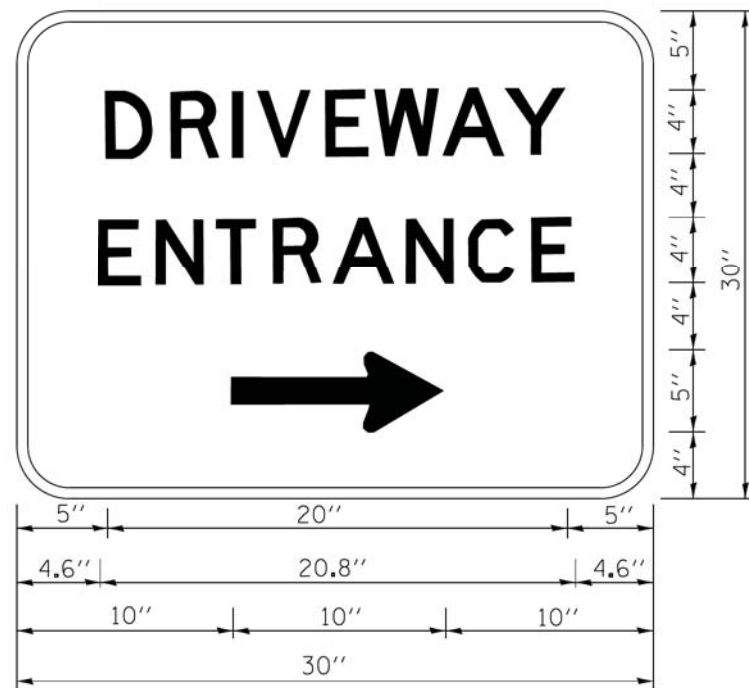
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		DRAWN -	REVISED - R. MIRS 12-11-97
	PLOT SCALE = 50.000 ' / IN.	CHECKED -	REVISED - T. RAMMACHER 02-02-99
	PLOT DATE = 1/4/2008	DATE -	REVISED - C. JUCIUS 01-31-07

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ARTERIAL ROAD
INFORMATION SIGN**

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

MUN/FAU RTE. 3073/1689	SECTION 14-00114-01-PV	COUNTY COOK	TOTAL SHEETS 282	SHEET NO. 239
TC-22		CONTRACT NO. 61F09		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



3.0" RADIUS, 0.5" BORDER, WHITE ON GREEN; REFLECTORIZED
 "DRIVEWAY" D; "ENTRANCE" D; STANDARD ARROW CUSTOM 12.0" x 5.0"

NOTES:

1. HALF OF THE SIGNS WILL REQUIRE A LEFT HAND FACING ARROW.
2. TWO SIGNS SHALL BE USED AT EACH COMMERCIAL ENTRANCE
 PLACED BACK-TO-BACK; ONE WITH A RIGHT HAND ARROW (SHOWN)
 SHALL BE PLACED ON THE NEAR RIGHT SIDE THE DRIVEWAY
 AND ONE WITH A LEFT HAND ARROW SHALL BE PLACED ON THE
 FAR LEFT SIDE OF THE DRIVEWAY.
3. SIGNS TO BE PAID FOR AS ITEM "TEMPORARY INFORMATION SIGNING".

FILE NAME =	USER NAME = gaglianob	DESIGNED -	REVISED - C. JUCIUS 02-15-07
ct\pw\work\p\dot\gaglianob\d0108315\to	26.dgn	DRAWN -	REVISED -
	PLOT SCALE = 50.000' / in.	CHECKED -	REVISED -
	PLOT DATE = 12/13/2012	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

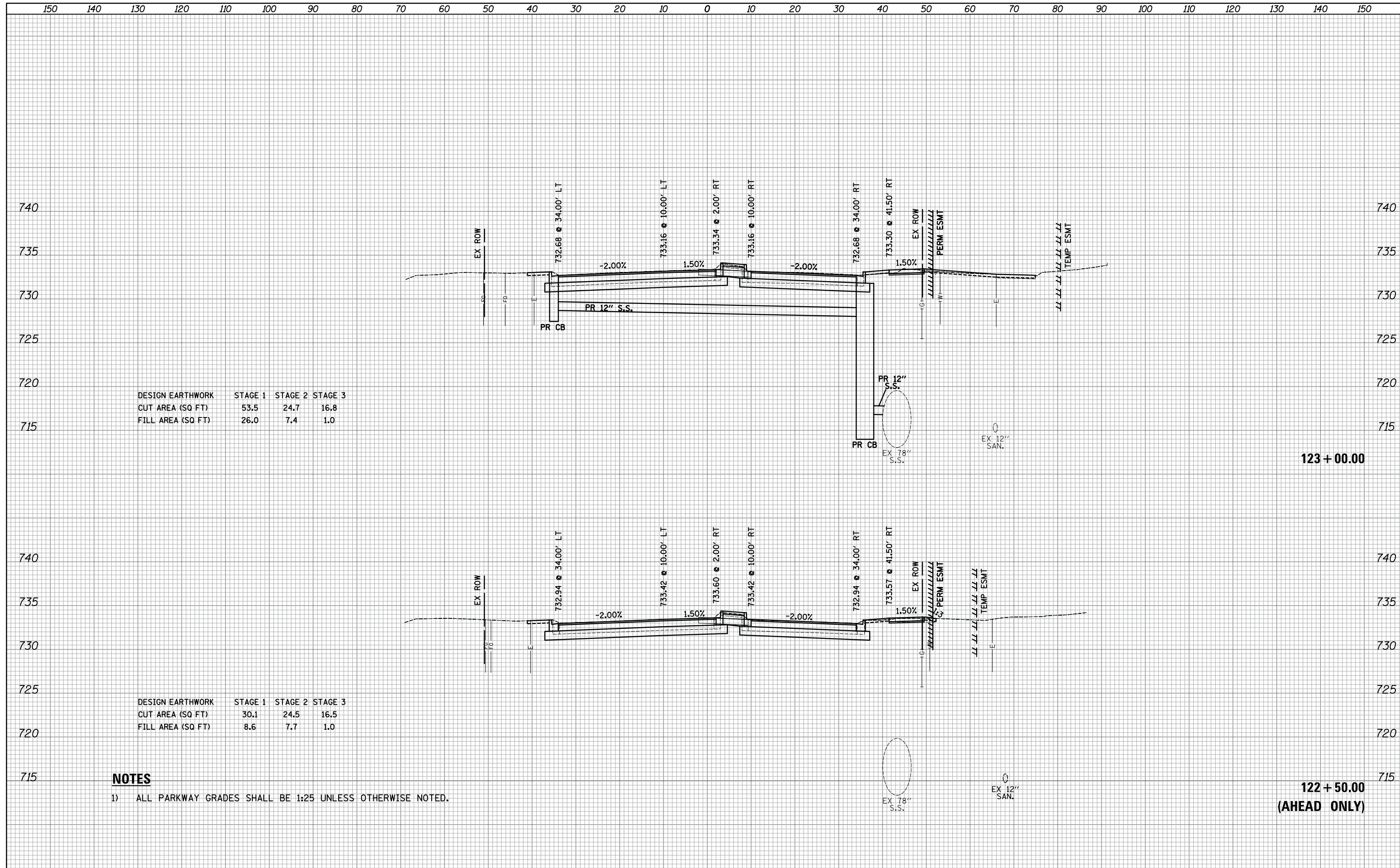
DRIVEWAY ENTRANCE SIGNING

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

MUN/FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3073/1689	14-00114-01-PV	COOK	282	240
TC-26		CONTRACT NO. 61F09		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

DATE	
BY	
FINAL SURVEY NO.	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	

DATE	
BY	
ORIGINAL SURVEY NO.	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	



DESIGN EARTHWORK	STAGE 1	STAGE 2	STAGE 3
CUT AREA (SQ FT)	53.5	24.7	16.8
FILL AREA (SQ FT)	26.0	7.4	1.0

DESIGN EARTHWORK	STAGE 1	STAGE 2	STAGE 3
CUT AREA (SQ FT)	30.1	24.5	16.5
FILL AREA (SQ FT)	8.6	7.7	1.0

NOTES

- 1) ALL PARKWAY GRADES SHALL BE 1:25 UNLESS OTHERWISE NOTED.

FILE NAME = ...\\3074...sht_Woodfield.E.dgn
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USER NAME = djk
 DESIGNED - KDC
 DRAWN - KDC
 CHECKED - DJK
 DATE - 01/28/2019

REVISED -
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 REVISED -
 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

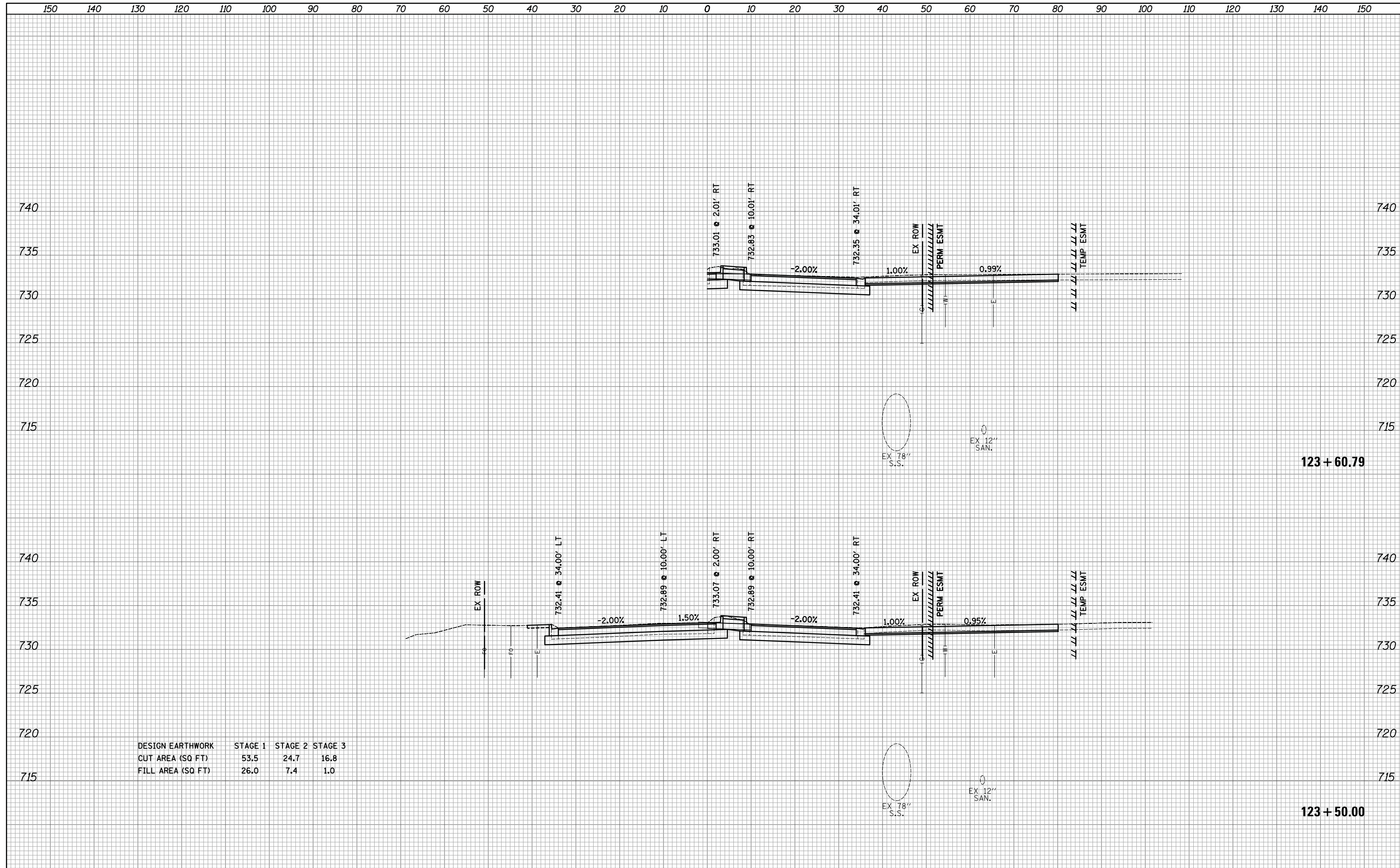
**WOODFIELD ROAD - MARTINGALE ROAD TO EAST FRONTAGE ROAD
 CROSS SECTIONS - WOODFIELD ROAD**
 SCALE: 1"=10'H/5'V SHEET 1 OF 21 SHEETS STA. 122+50.00 TO STA. 123+00.00

MUN/FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3073/1689	14-00114-01-PV	COOK	282	241
CONTRACT NO. 61F09				
ILLINOIS FED. AID PROJECT				

DATE	
BY	
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PLOTTED	
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DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
NO.	

DESIGN EARTHWORK	STAGE 1	STAGE 2	STAGE 3
CUT AREA (SQ FT)	53.5	24.7	16.8
FILL AREA (SQ FT)	26.0	7.4	1.0



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	DATE - 01/28/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

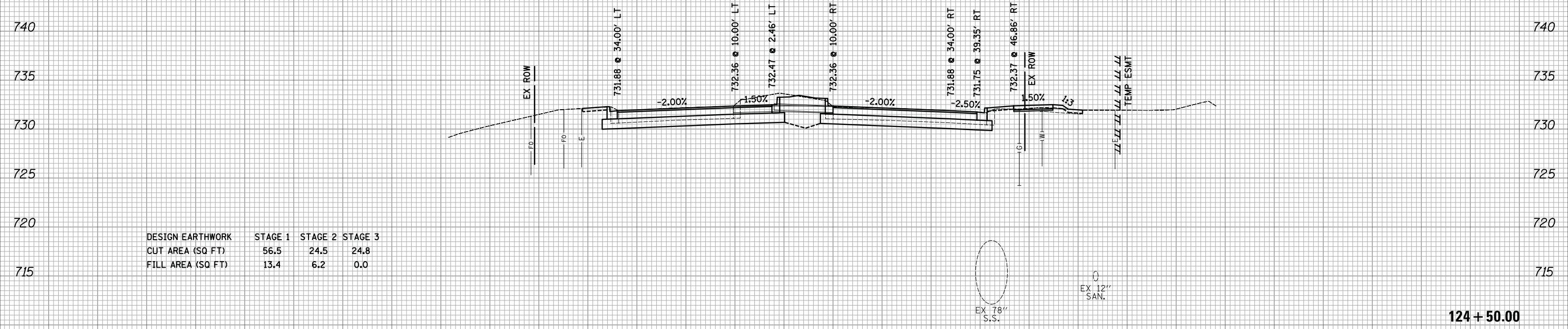
**WOODFIELD ROAD - MARTINGALE ROAD TO EAST FRONTAGE ROAD
CROSS SECTIONS - WOODFIELD ROAD**

SCALE: 1"=10'H/5'V SHEET 2 OF 21 SHEETS STA. 123+50.00 TO STA. 123+60.79

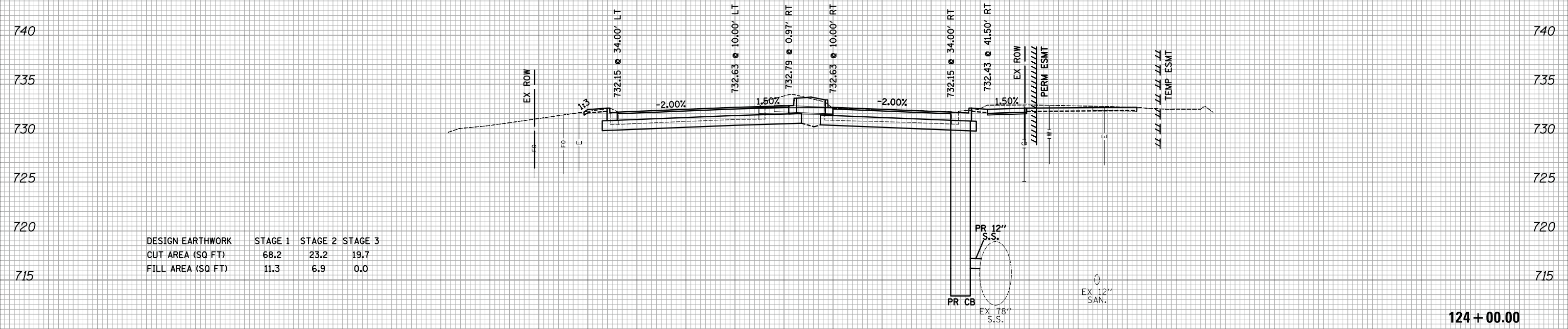
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3073/1689	14-00114-01-PV	COOK	282	242
			CONTRACT NO. 61F09	
ILLINOIS FED. AID PROJECT				

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

DATE	
BY	
SURVEYED	
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TEMPLATE	
AREAS	
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DATE	
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 DATE - 01/28/2019

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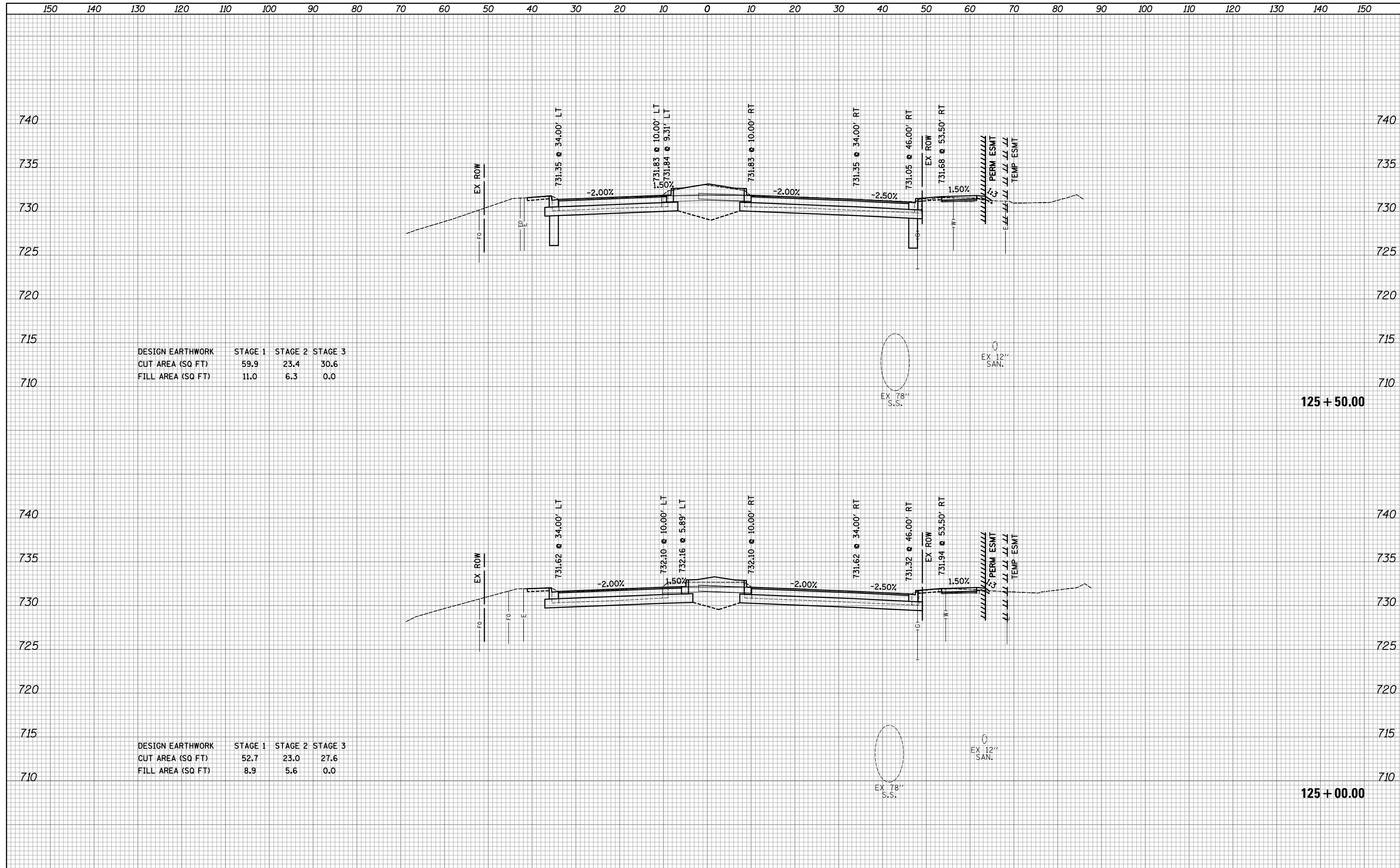
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**WOODFIELD ROAD - MARTINGALE ROAD TO EAST FRONTAGE ROAD
 CROSS SECTIONS - WOODFIELD ROAD**
 SCALE: 1"=10'H/5'V SHEET 3 OF 21 SHEETS STA. 124+00.00 TO STA. 124+50.00

MUN/FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3073/ 1689	14-00114-01-PV	COOK	282	243
CONTRACT NO. 61F09			ILLINOIS FED. AID PROJECT	

DATE	
BY	
SURVEYED	
PLOTTED	
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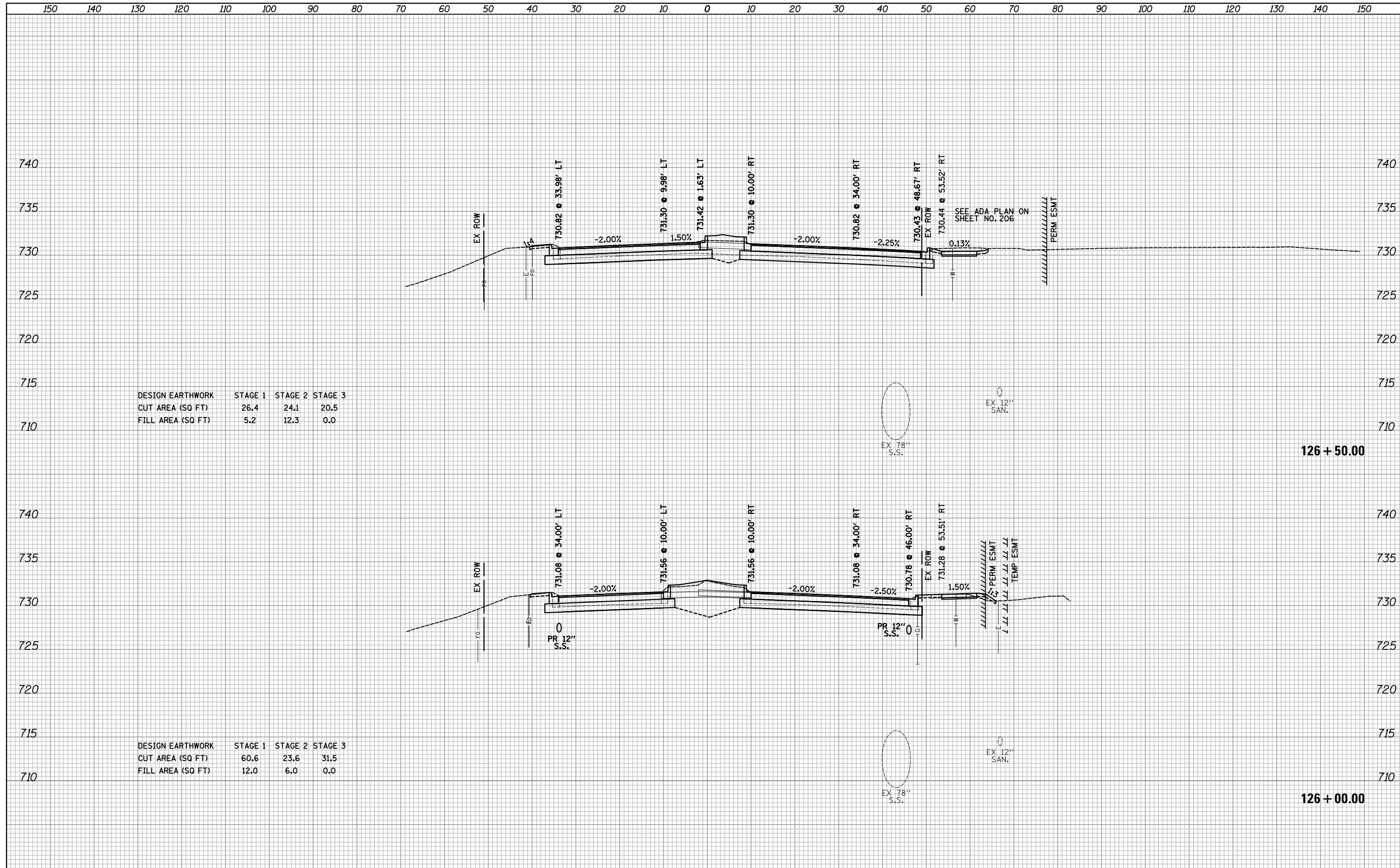


DESIGN EARTHWORK	STAGE 1	STAGE 2	STAGE 3
CUT AREA (SQ FT)	59.9	23.4	30.6
FILL AREA (SQ FT)	11.0	6.3	0.0

DESIGN EARTHWORK	STAGE 1	STAGE 2	STAGE 3
CUT AREA (SQ FT)	52.7	23.0	27.6
FILL AREA (SQ FT)	8.9	5.6	0.0

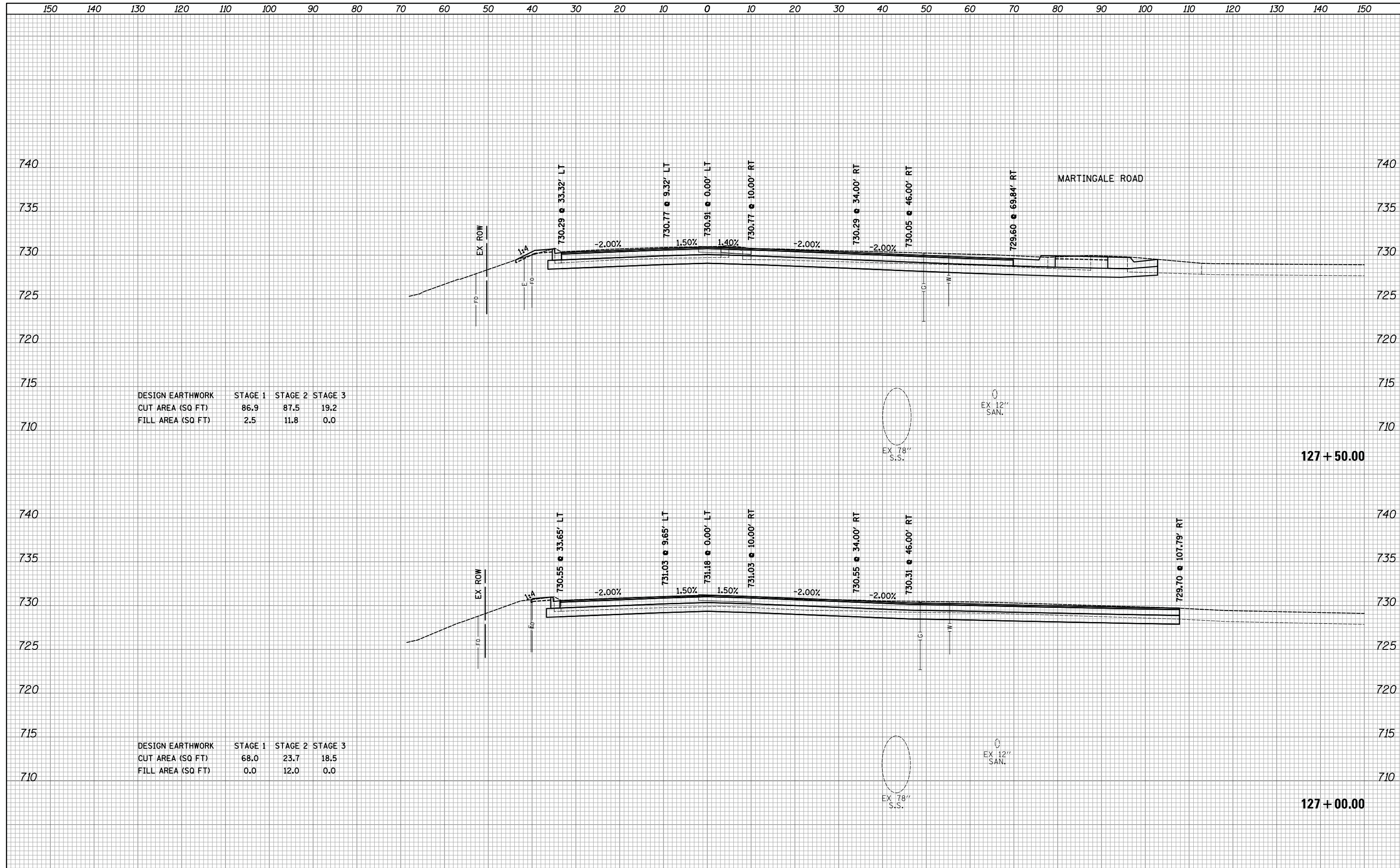
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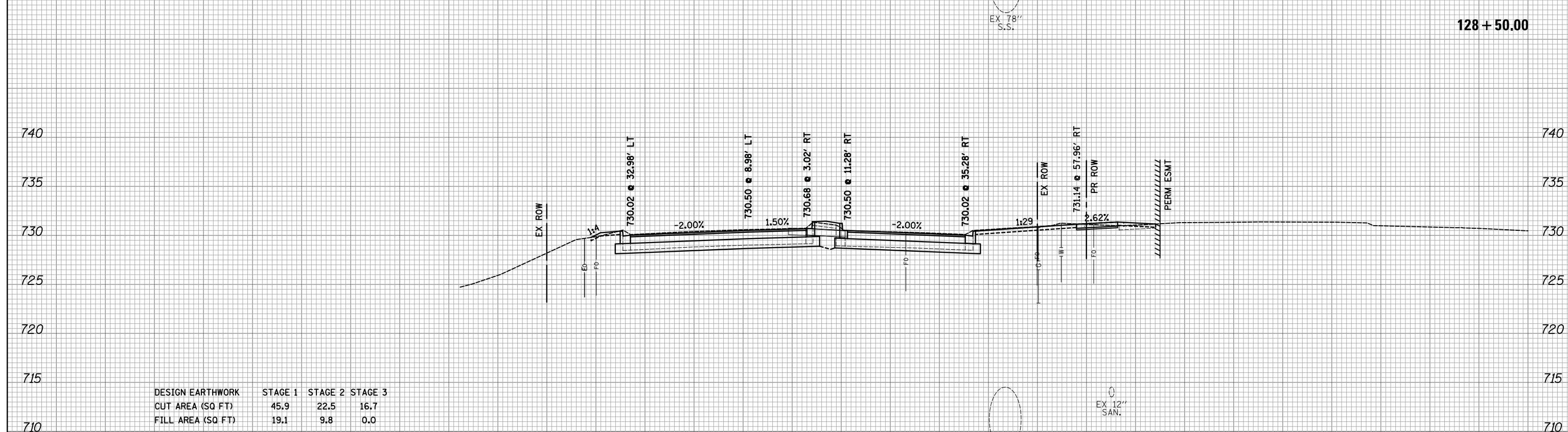
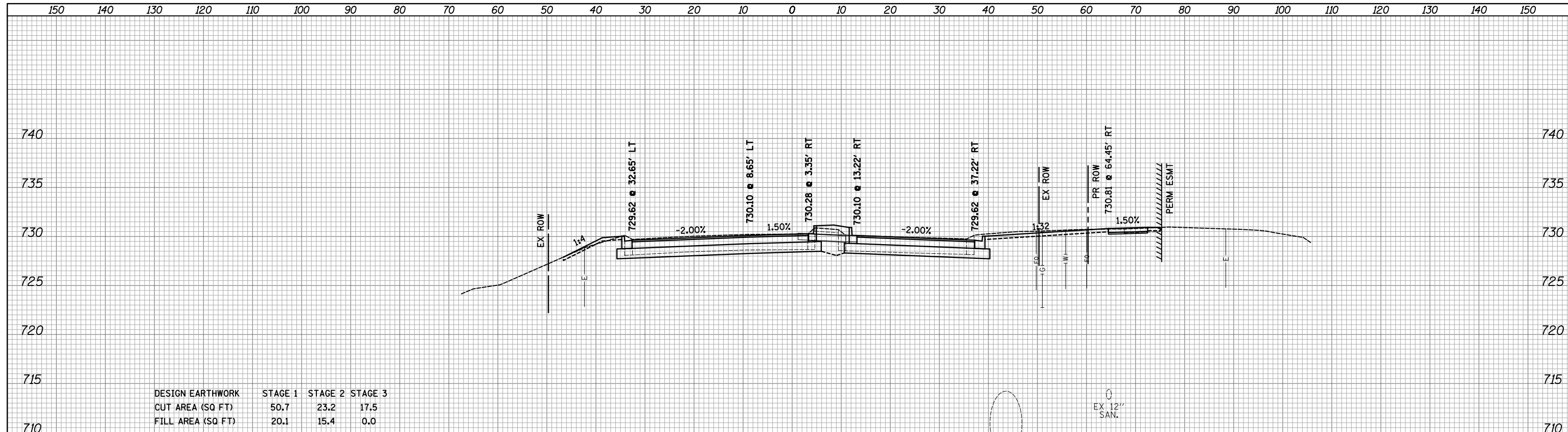
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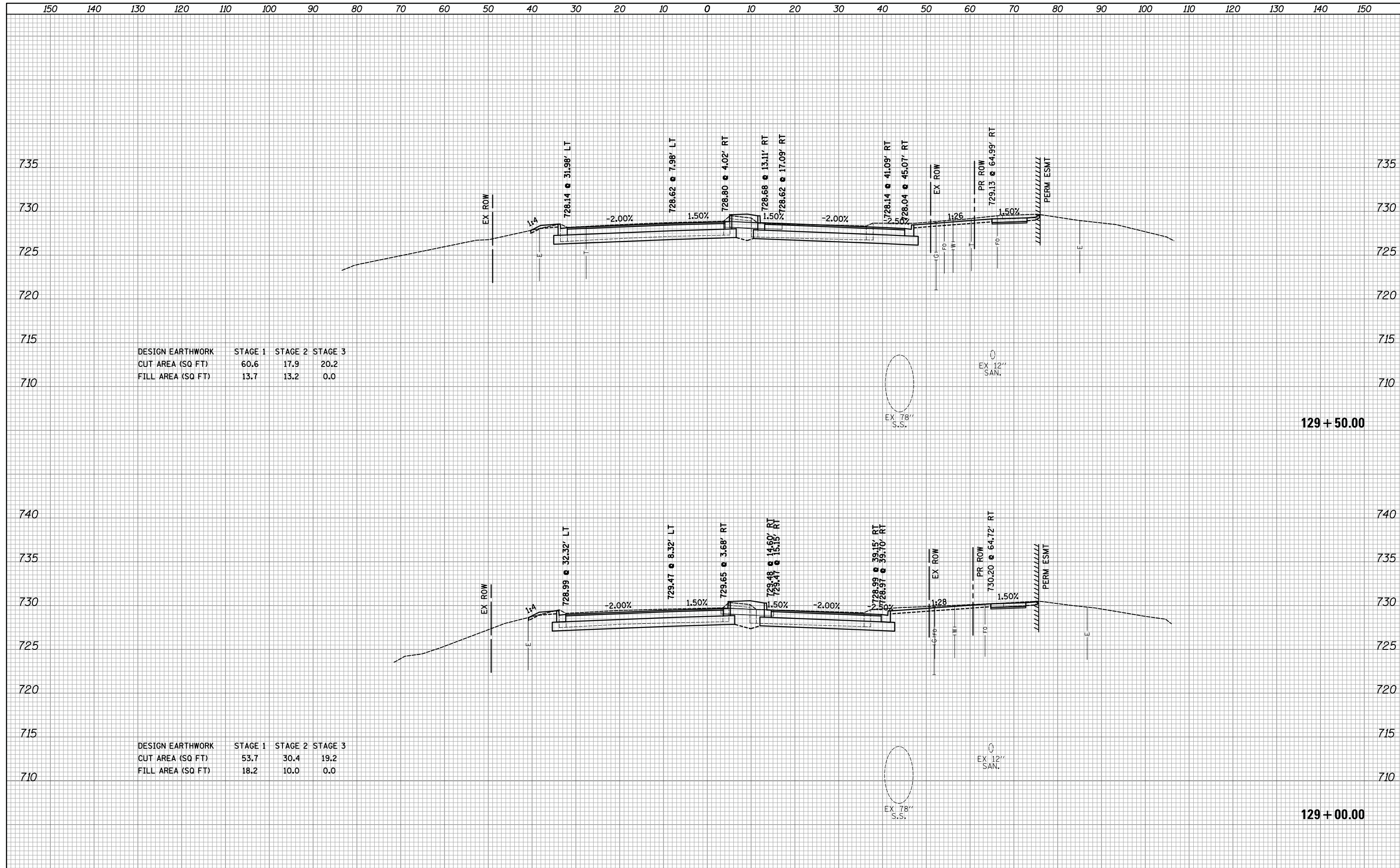
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BY	
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BY	
NO.	
ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
	TEMPLATE
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DATE	
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TEMPLATE	
AREAS	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

DATE	
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SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

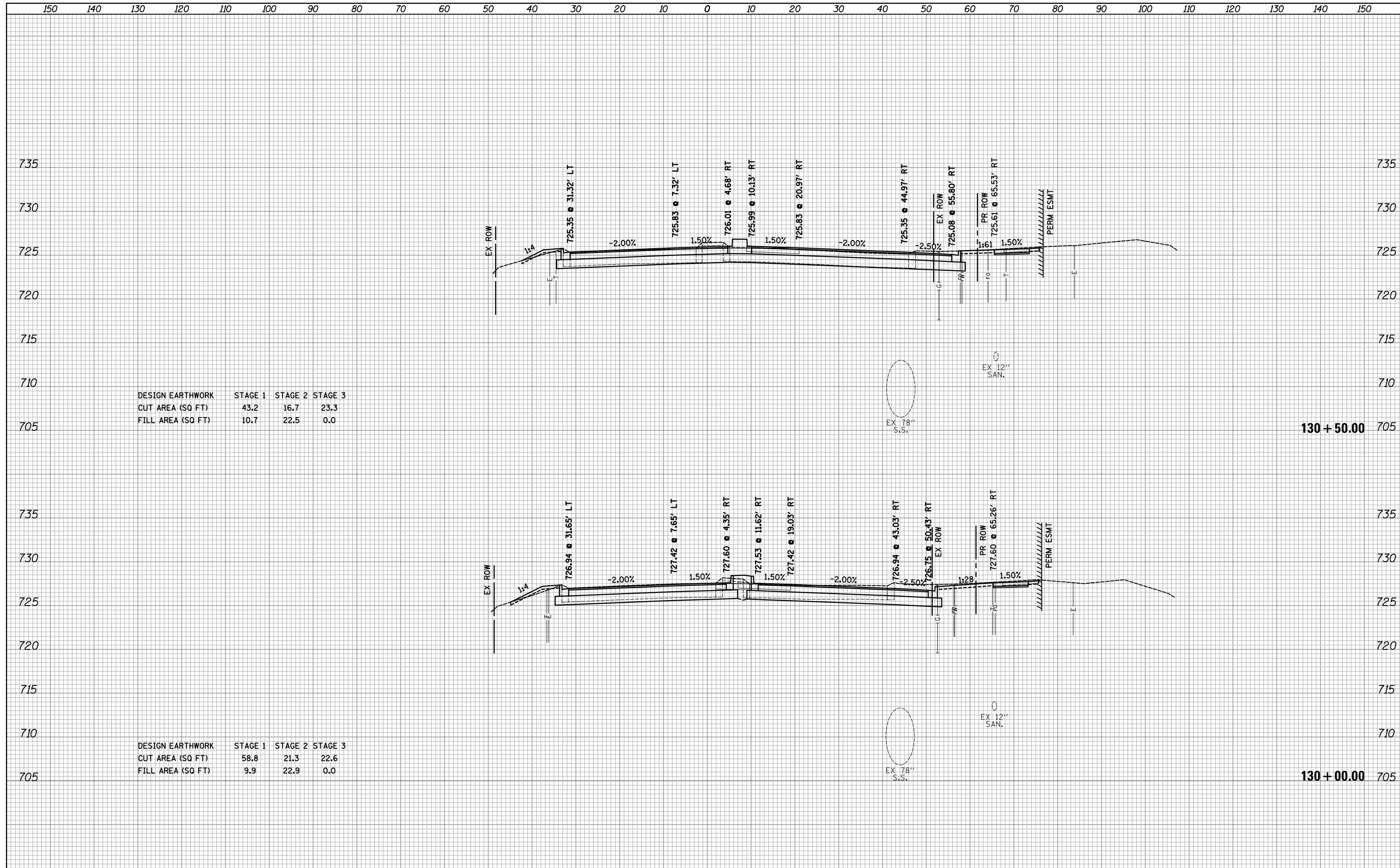
**WOODFIELD ROAD - MARTINGALE ROAD TO EAST FRONTAGE ROAD
 CROSS SECTIONS - WOODFIELD ROAD**

SCALE: 1"=10'H/5'V SHEET 8 OF 21 SHEETS STA. 129+00.00 TO STA. 129+50.00

MUN/FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3073/ 1689	14-00114-01-PV	COOK	282	248
CONTRACT NO. 61F09			ILLINOIS FED. AID PROJECT	

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
NO.	

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
NO.	



DESIGN EARTHWORK	STAGE 1	STAGE 2	STAGE 3
CUT AREA (SQ FT)	43.2	16.7	23.3
FILL AREA (SQ FT)	10.7	22.5	0.0

DESIGN EARTHWORK	STAGE 1	STAGE 2	STAGE 3
CUT AREA (SQ FT)	58.8	21.3	22.6
FILL AREA (SQ FT)	9.9	22.9	0.0

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PLOT SCALE = 10.0000' / in.	DRAWN - KDC	REVISD -
PLOT DATE = 2/12/2019	CHECKED - DJK	REVISD -
	DATE - 01/28/2019	REVISD -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

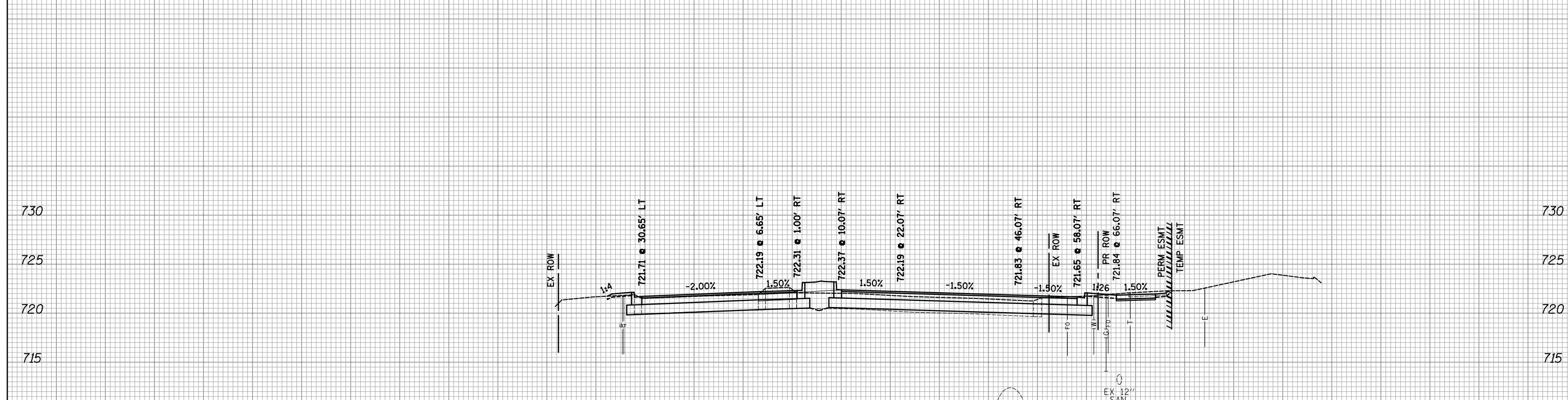
**WOODFIELD ROAD - MARTINGALE ROAD TO EAST FRONTAGE ROAD
CROSS SECTIONS - WOODFIELD ROAD**
 SCALE: 1"=10'H/5'V SHEET 9 OF 21 SHEETS STA. 130+00.00 TO STA. 130+50.00

MUN/FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3073/1689	14-00114-01-PV	COOK	282	249
CONTRACT NO. 61F09				
ILLINOIS FED. AID PROJECT				

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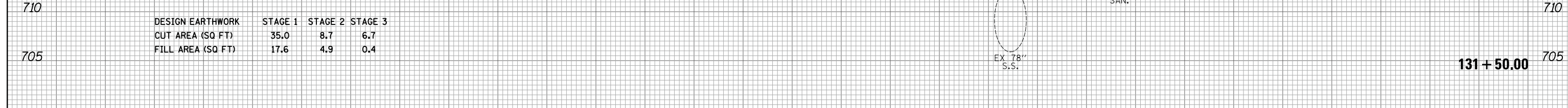
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SURVEYED	
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TEMPLATE	
AREAS	
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150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150



DESIGN EARTHWORK	STAGE 1	STAGE 2	STAGE 3
CUT AREA (SQ FT)	35.0	8.7	6.7
FILL AREA (SQ FT)	17.6	4.9	0.4

131+50.00



DESIGN EARTHWORK	STAGE 1	STAGE 2	STAGE 3
CUT AREA (SQ FT)	37.8	12.9	8.3
FILL AREA (SQ FT)	12.0	6.7	0.0

131+00.00

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 PLOT DATE = 2/12/2019

DESIGNED - KDC
 DRAWN - KDC
 CHECKED - DJK
 DATE - 01/28/2019

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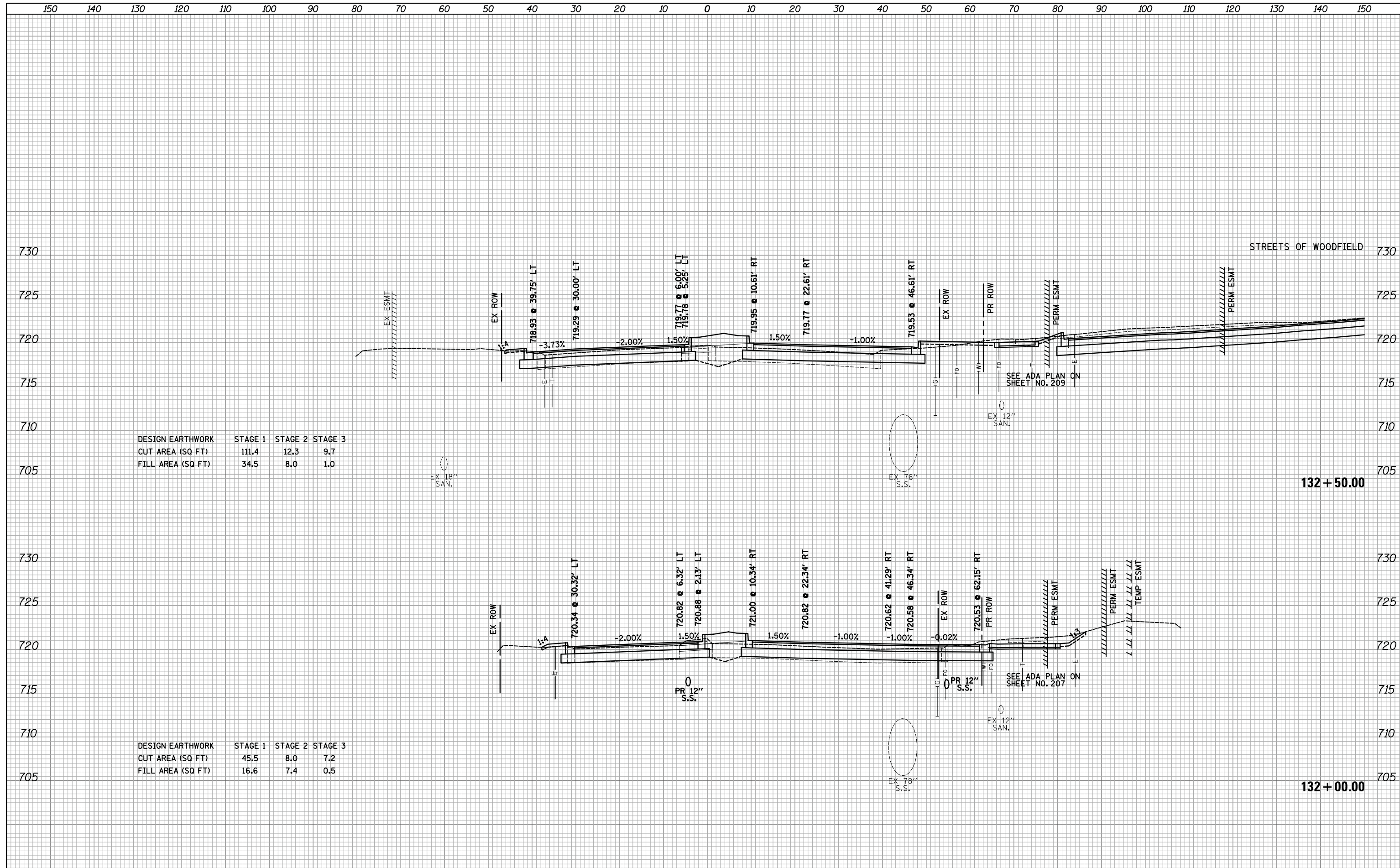
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

WOODFIELD ROAD - MARTINGALE ROAD TO EAST FRONTAGE ROAD
 CROSS SECTIONS - WOODFIELD ROAD
 SCALE: 1"=10'H/5'V SHEET 10 OF 21 SHEETS STA. 131+00.00 TO STA. 131+50.00

MUN/FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3073/1689	14-00114-01-PV	COOK	282	250
CONTRACT NO. 61F09				
ILLINOIS FED. AID PROJECT				

DATE	
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FINAL SURVEY	
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TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
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DATE	
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ORIGINAL SURVEY	
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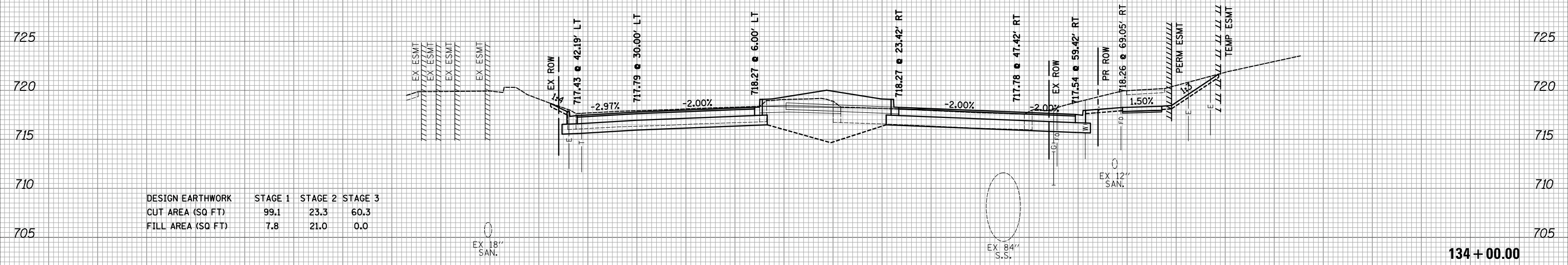
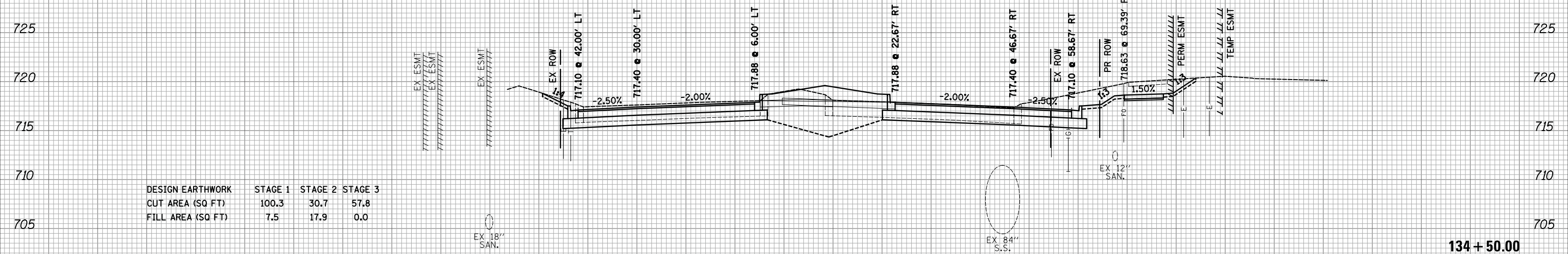
DESIGN EARTHWORK	STAGE 1	STAGE 2	STAGE 3
CUT AREA (SQ FT)	111.4	12.3	9.7
FILL AREA (SQ FT)	34.5	8.0	1.0

DESIGN EARTHWORK	STAGE 1	STAGE 2	STAGE 3
CUT AREA (SQ FT)	45.5	8.0	7.2
FILL AREA (SQ FT)	16.6	7.4	0.5

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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DESIGNED - KDC
 DRAWN - KDC
 CHECKED - DJK
 DATE - 01/28/2019

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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

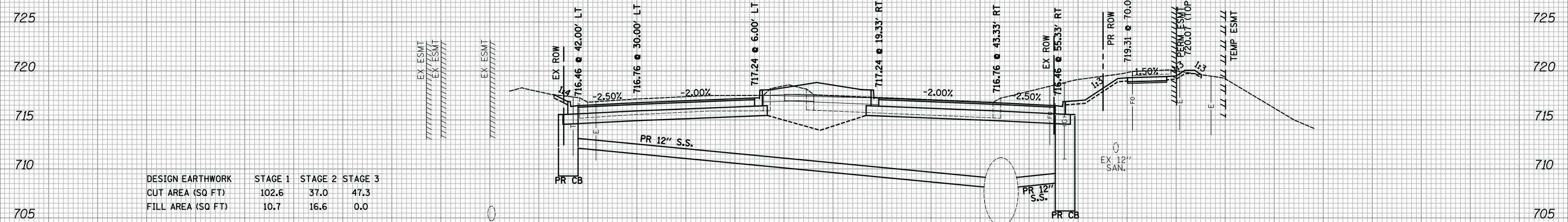
WOODFIELD ROAD - MARTINGALE ROAD TO EAST FRONTAGE ROAD
 CROSS SECTIONS - WOODFIELD ROAD
 SCALE: 1"=10'H/5'V SHEET 13 OF 21 SHEETS STA. 134+00.00 TO STA. 134+50.00

MUN/FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3073/ 1689	14-00114-01-PV	COOK	282	253
CONTRACT NO. 61F09			ILLINOIS FED. AID PROJECT	

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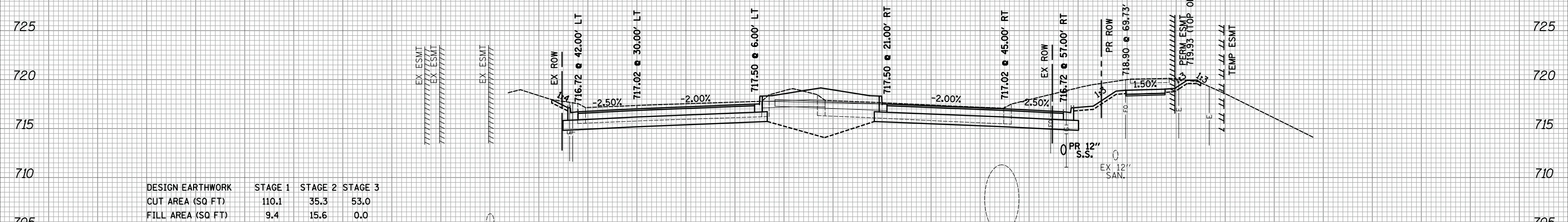
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ORIGINAL SURVEY	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
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DESIGN EARTHWORK	STAGE 1	STAGE 2	STAGE 3
CUT AREA (SQ FT)	102.6	37.0	47.3
FILL AREA (SQ FT)	10.7	16.6	0.0

135 + 50.00



DESIGN EARTHWORK	STAGE 1	STAGE 2	STAGE 3
CUT AREA (SQ FT)	110.1	35.3	53.0
FILL AREA (SQ FT)	9.4	15.6	0.0

135 + 00.00

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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DESIGNED - KDC
 DRAWN - KDC
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

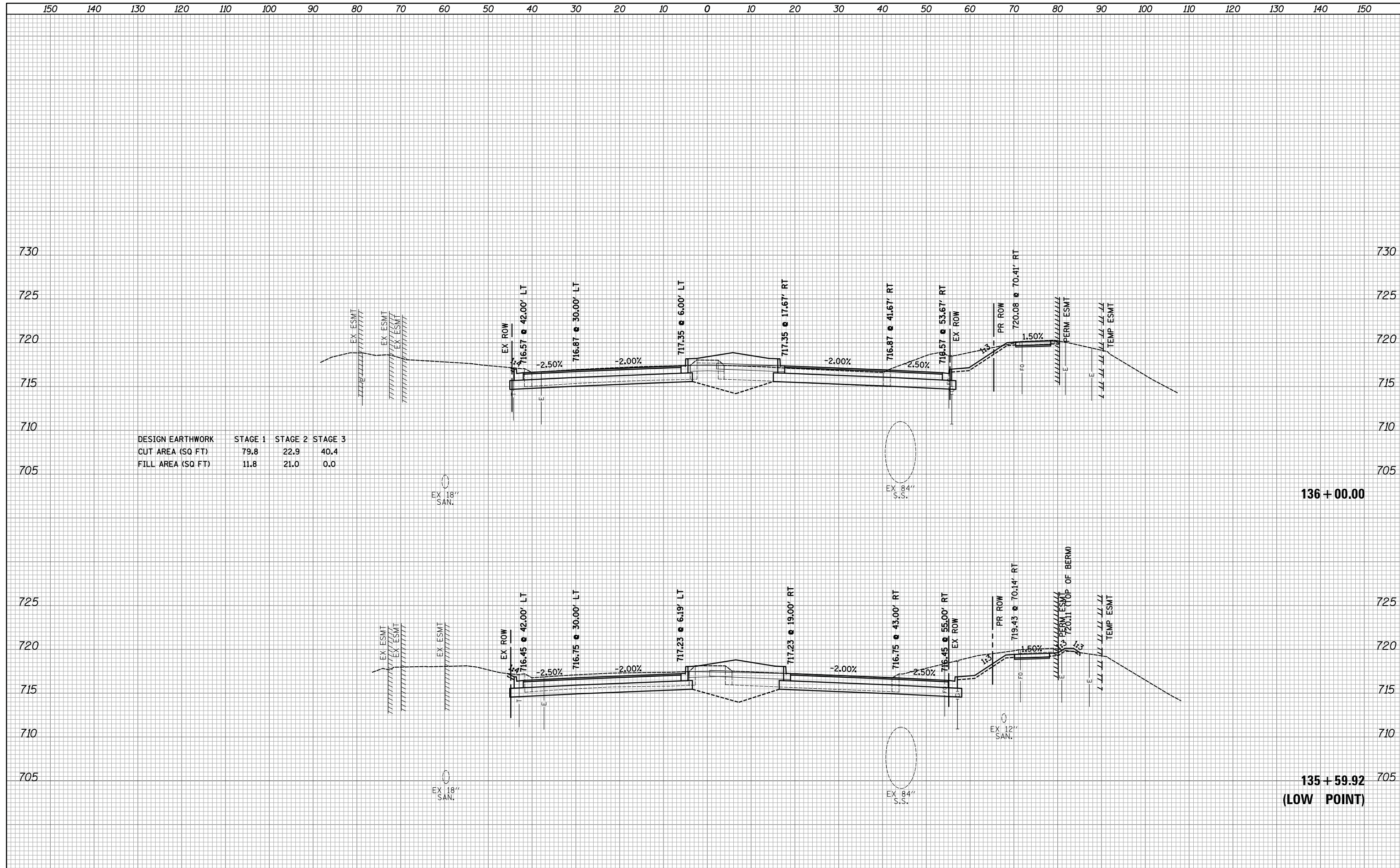
WOODFIELD ROAD - MARTINGALE ROAD TO EAST FRONTAGE ROAD
 CROSS SECTIONS - WOODFIELD ROAD

SCALE: 1"=10'H/5'V SHEET 14 OF 21 SHEETS STA. 135+00.00 TO STA. 135+50.00

MUN/FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3073/1689	14-00114-01-PV	COOK	282	254
CONTRACT NO. 61F09			ILLINOIS FED. AID PROJECT	

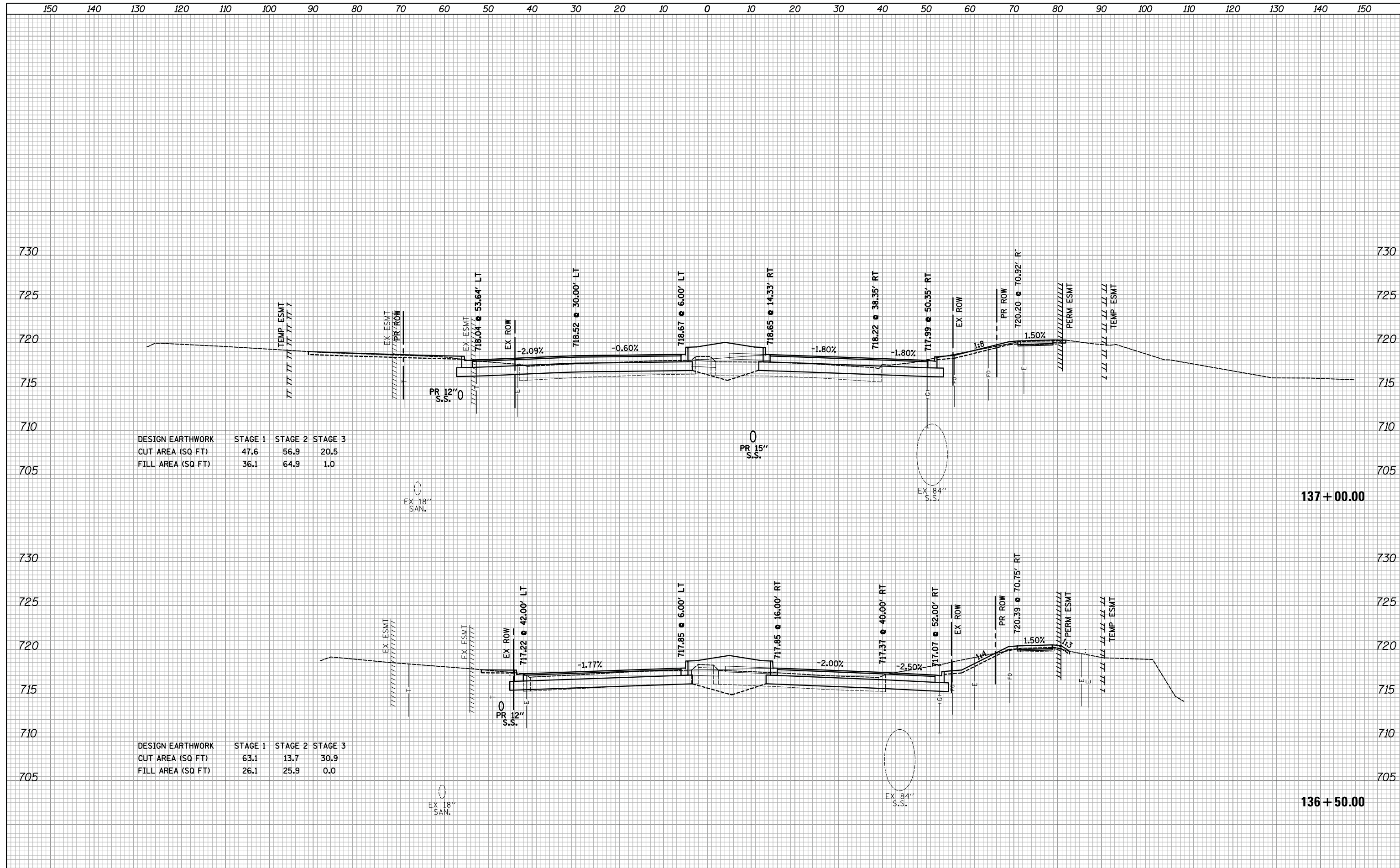
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FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
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NOTE BOOK	PLOTTED
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	AREAS CHECKED



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FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
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NOTE BOOK	PLOTTED
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	AREAS CHECKED

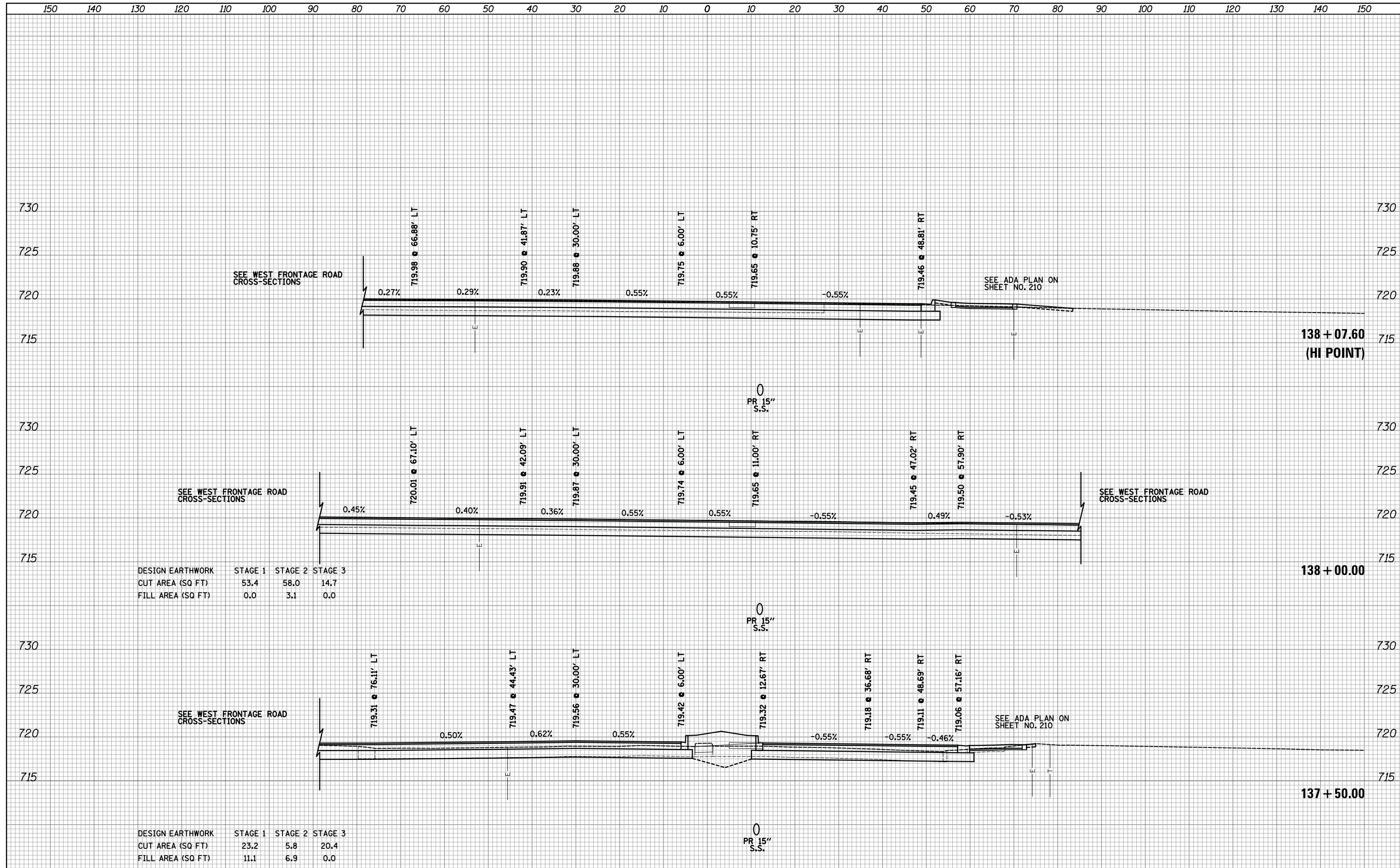


DESIGN EARTHWORK	STAGE 1	STAGE 2	STAGE 3
CUT AREA (SQ FT)	47.6	56.9	20.5
FILL AREA (SQ FT)	36.1	64.9	1.0

DESIGN EARTHWORK	STAGE 1	STAGE 2	STAGE 3
CUT AREA (SQ FT)	63.1	13.7	30.9
FILL AREA (SQ FT)	26.1	25.9	0.0

DATE	
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DESIGN EARTHWORK	STAGE 1	STAGE 2	STAGE 3
CUT AREA (SQ FT)	53.4	58.0	14.7
FILL AREA (SQ FT)	0.0	3.1	0.0

DESIGN EARTHWORK	STAGE 1	STAGE 2	STAGE 3
CUT AREA (SQ FT)	23.2	5.8	20.4
FILL AREA (SQ FT)	11.1	6.9	0.0

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 PLOT DATE = 2/12/2019

DESIGNED - KDC
 DRAWN - KDC
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

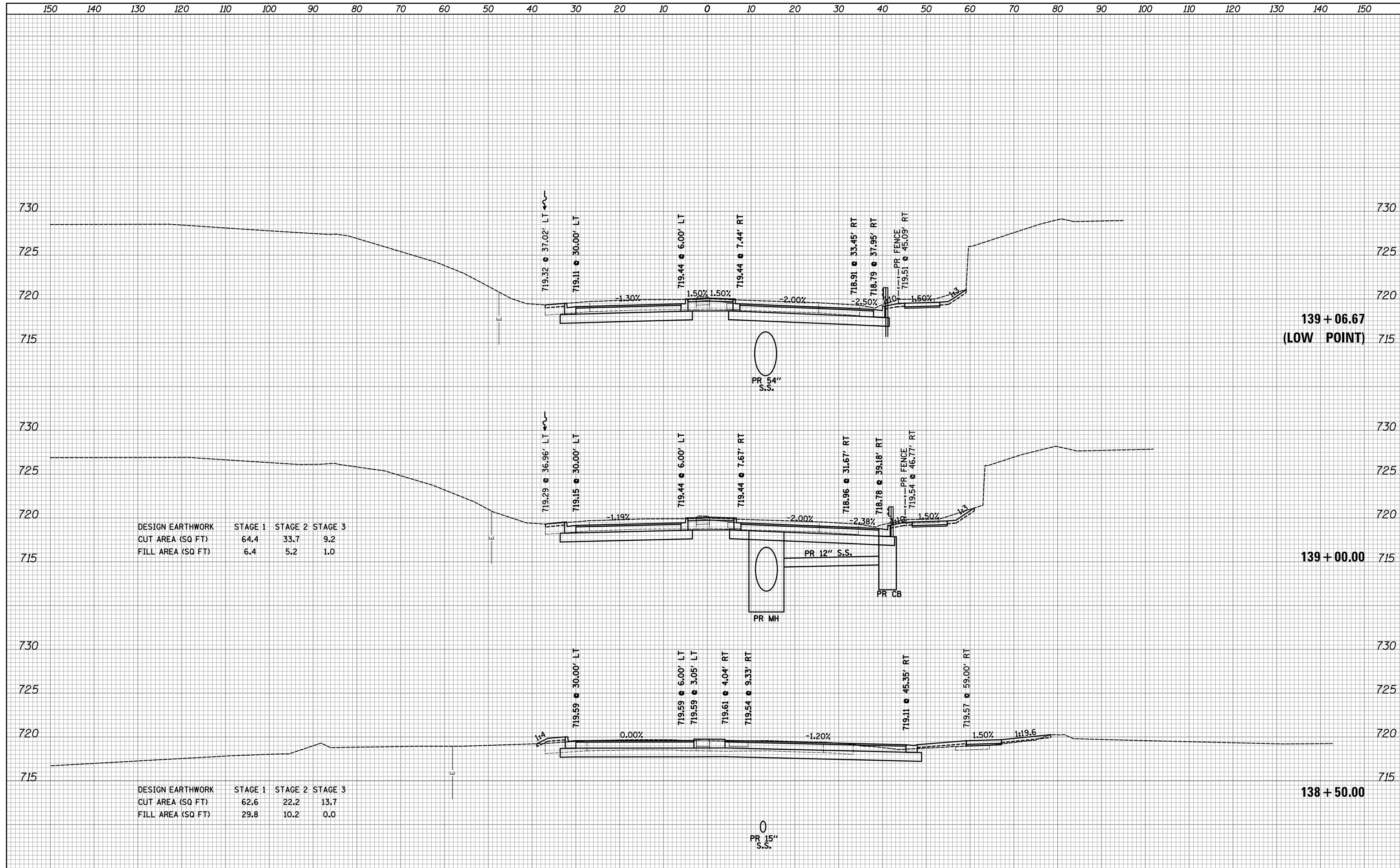
**WOODFIELD ROAD - MARTINGALE ROAD TO EAST FRONTAGE ROAD
 CROSS SECTIONS - WOODFIELD ROAD**

SCALE: 1"=10'H/5'V SHEET 17 OF 21 SHEETS STA. 137+50.00 TO STA. 138+07.60

MUN/FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3073/1689	14-00114-01-PV	COOK	282	257
CONTRACT NO. 61F09				
ILLINOIS FED. AID PROJECT				

DATE	
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SURVEYED	
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DESIGN EARTHWORK	STAGE 1	STAGE 2	STAGE 3
CUT AREA (SQ FT)	64.4	33.7	9.2
FILL AREA (SQ FT)	6.4	5.2	1.0

DESIGN EARTHWORK	STAGE 1	STAGE 2	STAGE 3
CUT AREA (SQ FT)	62.6	22.2	13.7
FILL AREA (SQ FT)	29.8	10.2	0.0

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 CHECKED - DJK
 DATE - 01/28/2019

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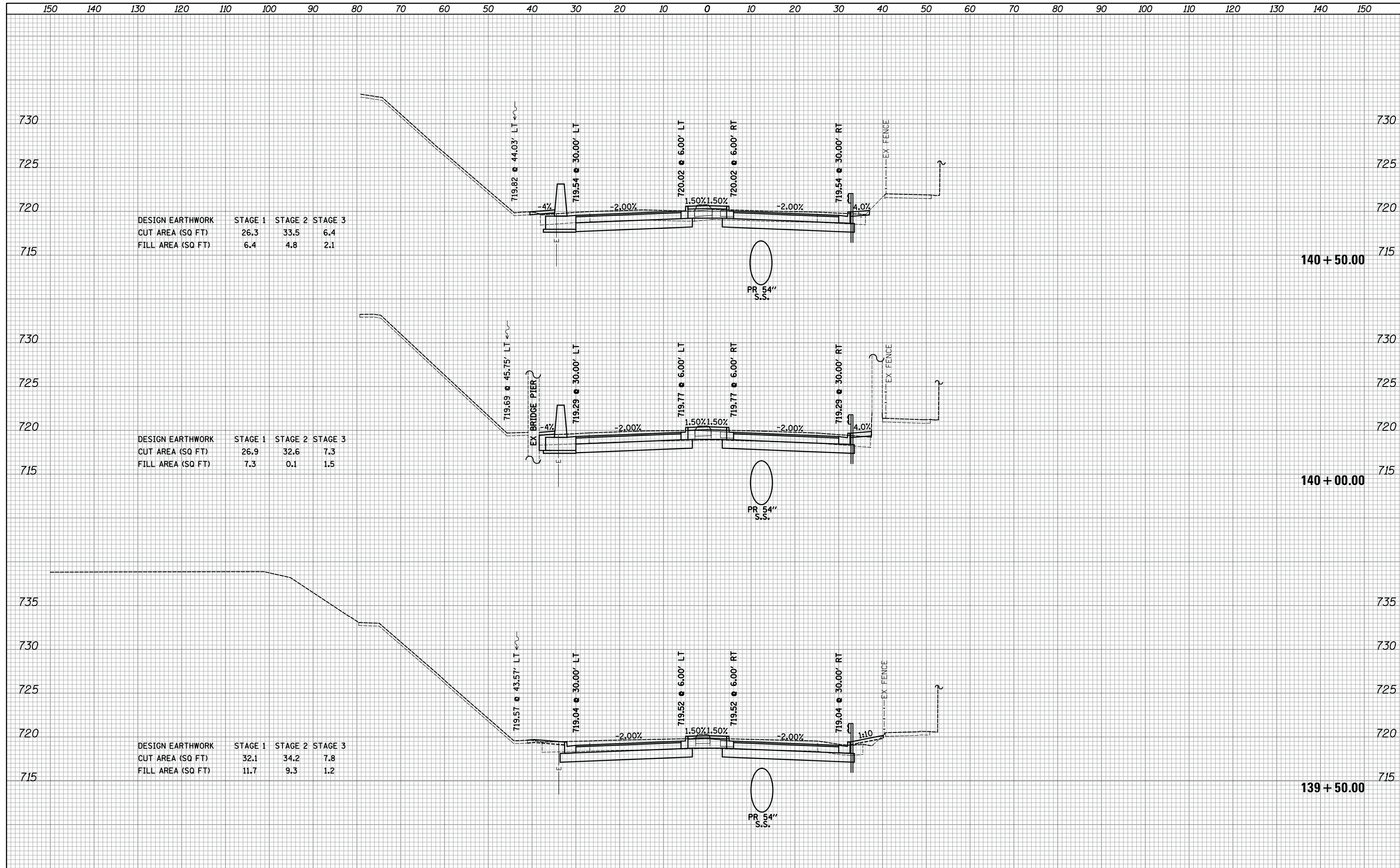
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**WOODFIELD ROAD - MARTINGALE ROAD TO EAST FRONTAGE ROAD
 CROSS SECTIONS - WOODFIELD ROAD**
 SCALE: 1"=10'H/5'V SHEET 18 OF 21 SHEETS STA. 138+50.00 TO STA. 139+06.67

MUN/FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3073/1689	14-00114-01-PV	COOK	282	258
CONTRACT NO. 61F09				
ILLINOIS FED. AID PROJECT				

DATE	
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SURVEYED	
PLOTTED	
TEMPLATE	
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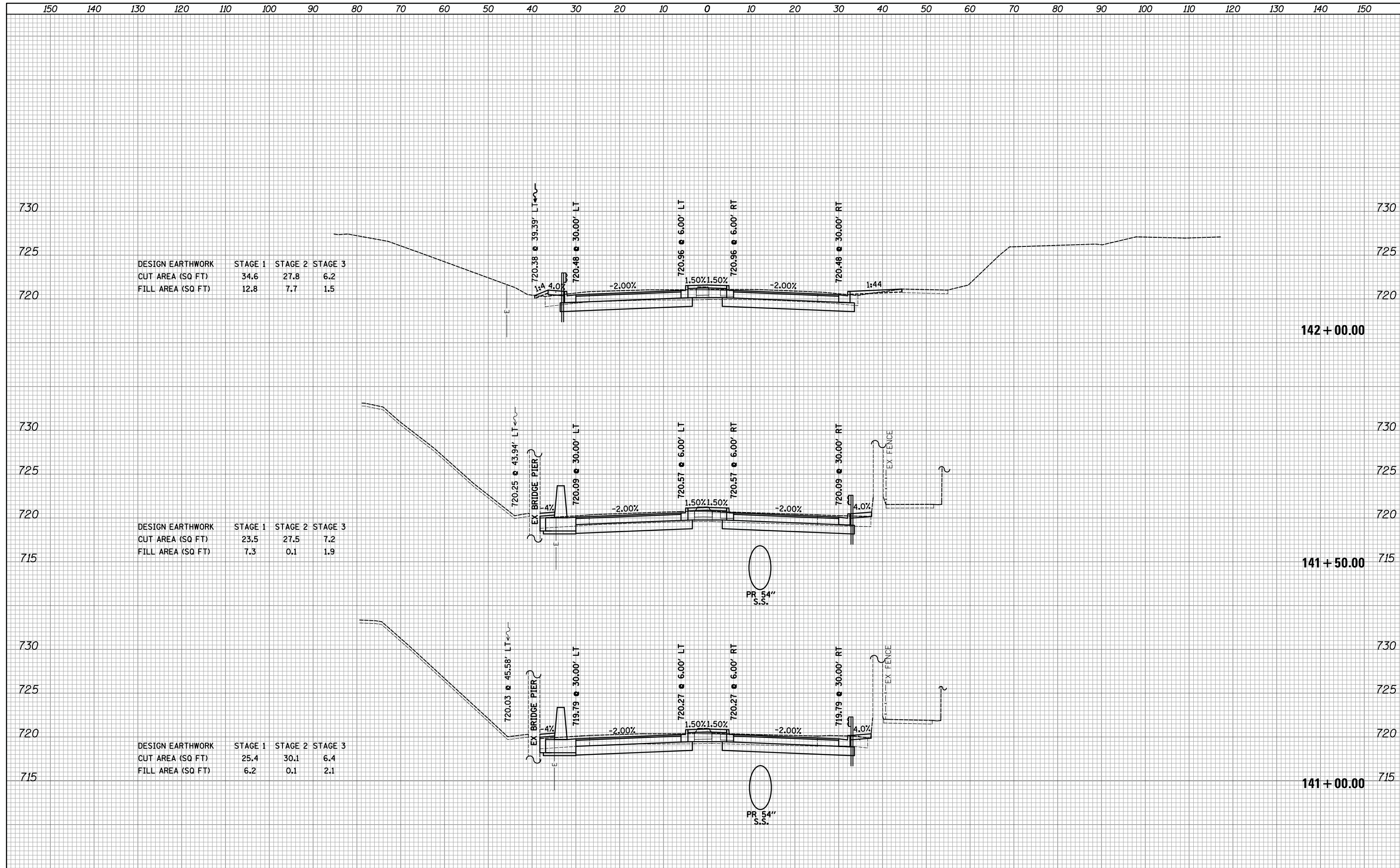
DESIGN EARTHWORK	STAGE 1	STAGE 2	STAGE 3
CUT AREA (SQ FT)	26.3	33.5	6.4
FILL AREA (SQ FT)	6.4	4.8	2.1

DESIGN EARTHWORK	STAGE 1	STAGE 2	STAGE 3
CUT AREA (SQ FT)	26.9	32.6	7.3
FILL AREA (SQ FT)	7.3	0.1	1.5

DESIGN EARTHWORK	STAGE 1	STAGE 2	STAGE 3
CUT AREA (SQ FT)	32.1	34.2	7.8
FILL AREA (SQ FT)	11.7	9.3	1.2

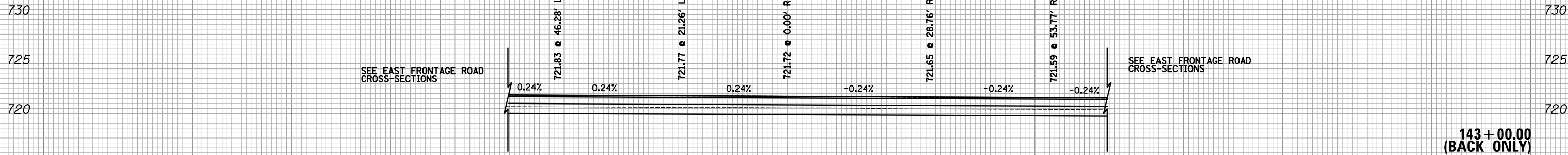
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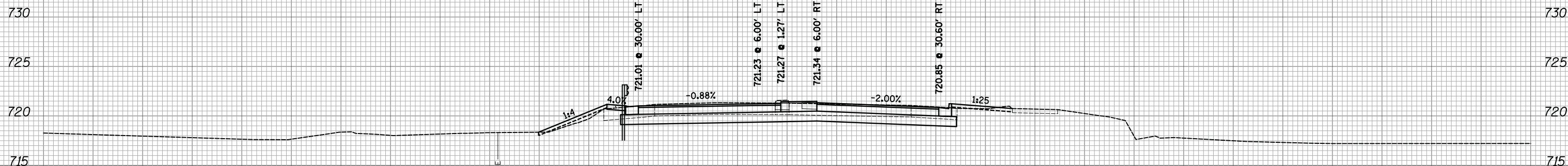
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FINAL SURVEY	
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DESIGN EARTHWORK	STAGE 1	STAGE 2	STAGE 3
CUT AREA (SQ FT)	36.0	31.5	0.0
FILL AREA (SQ FT)	0.0	0.0	0.0

143 + 00.00
(BACK ONLY)

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
ORIGINAL SURVEY	
NOTE BOOK	
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DESIGN EARTHWORK	STAGE 1	STAGE 2	STAGE 3
CUT AREA (SQ FT)	31.4	35.5	11.2
FILL AREA (SQ FT)	12.1	19.5	0.0

142 + 50.00

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

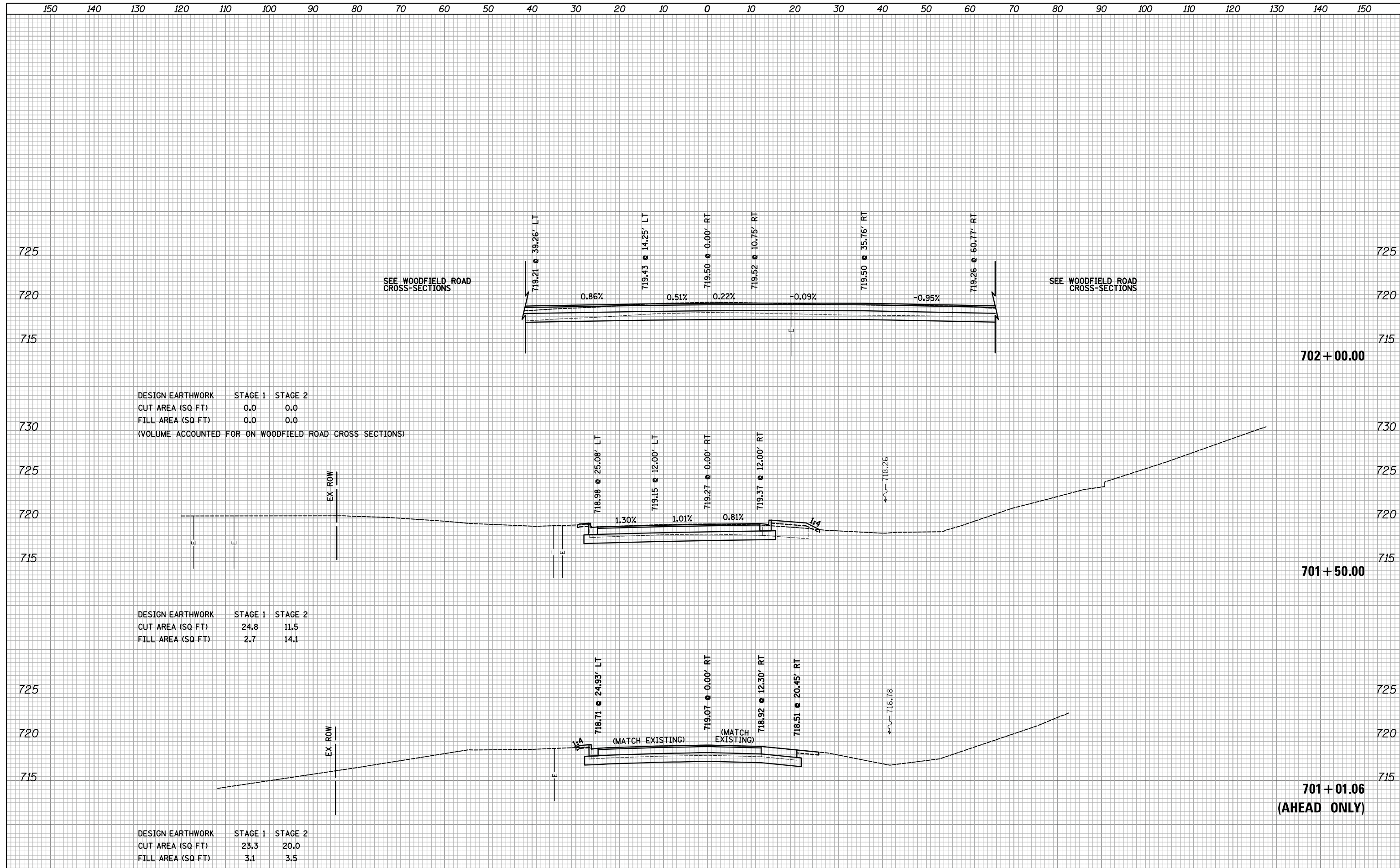
WOODFIELD ROAD - MARTINGALE ROAD TO EAST FRONTAGE ROAD
CROSS SECTIONS - WOODFIELD ROAD

SCALE: 1"=10'H/5'V SHEET 21 OF 21 SHEETS STA. 142+50.00 TO STA. 143+00.00

MUN/FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3073/ 1689	14-00114-01-PV	COOK	282	261
CONTRACT NO. 61F09			ILLINOIS FED. AID PROJECT	

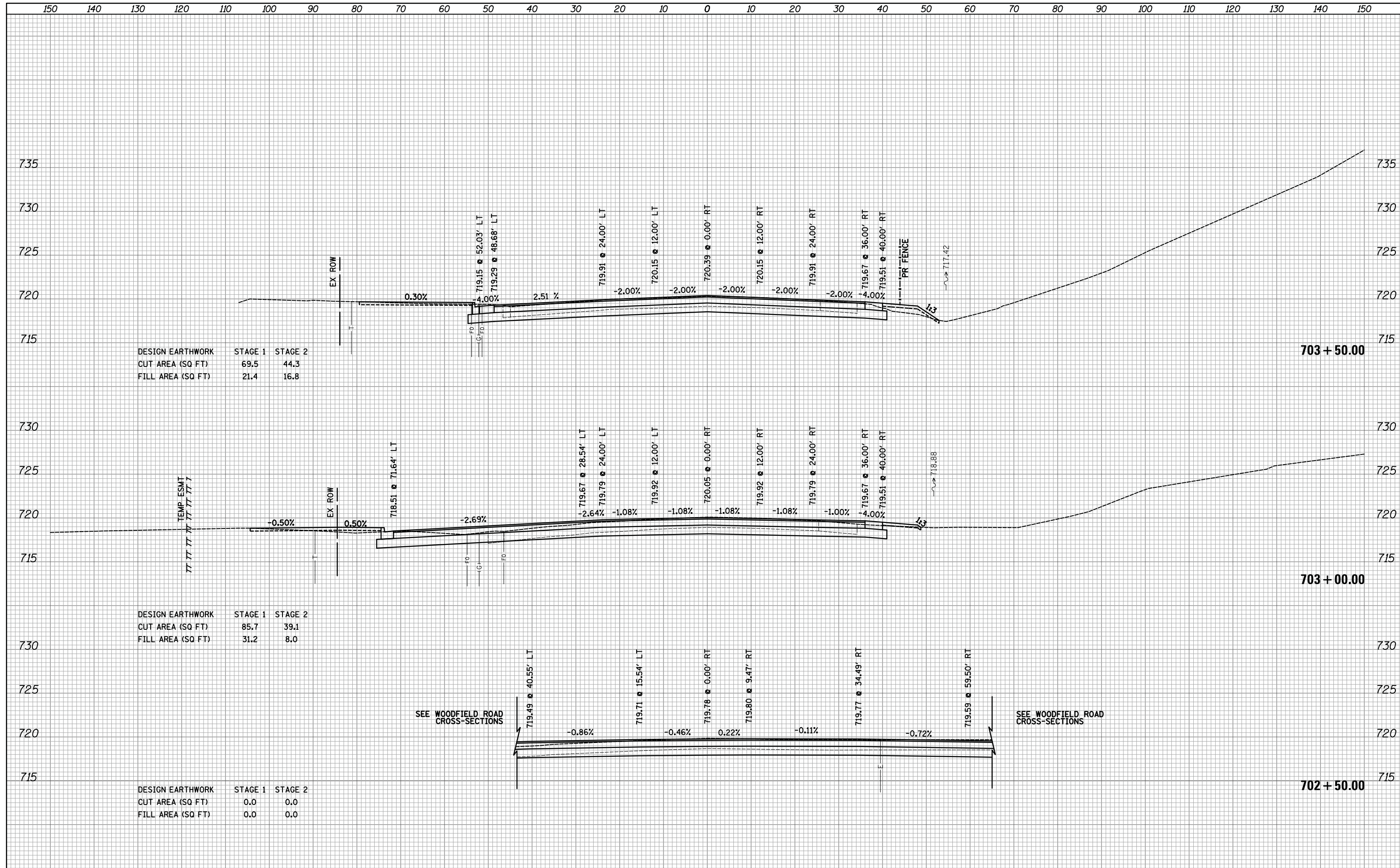
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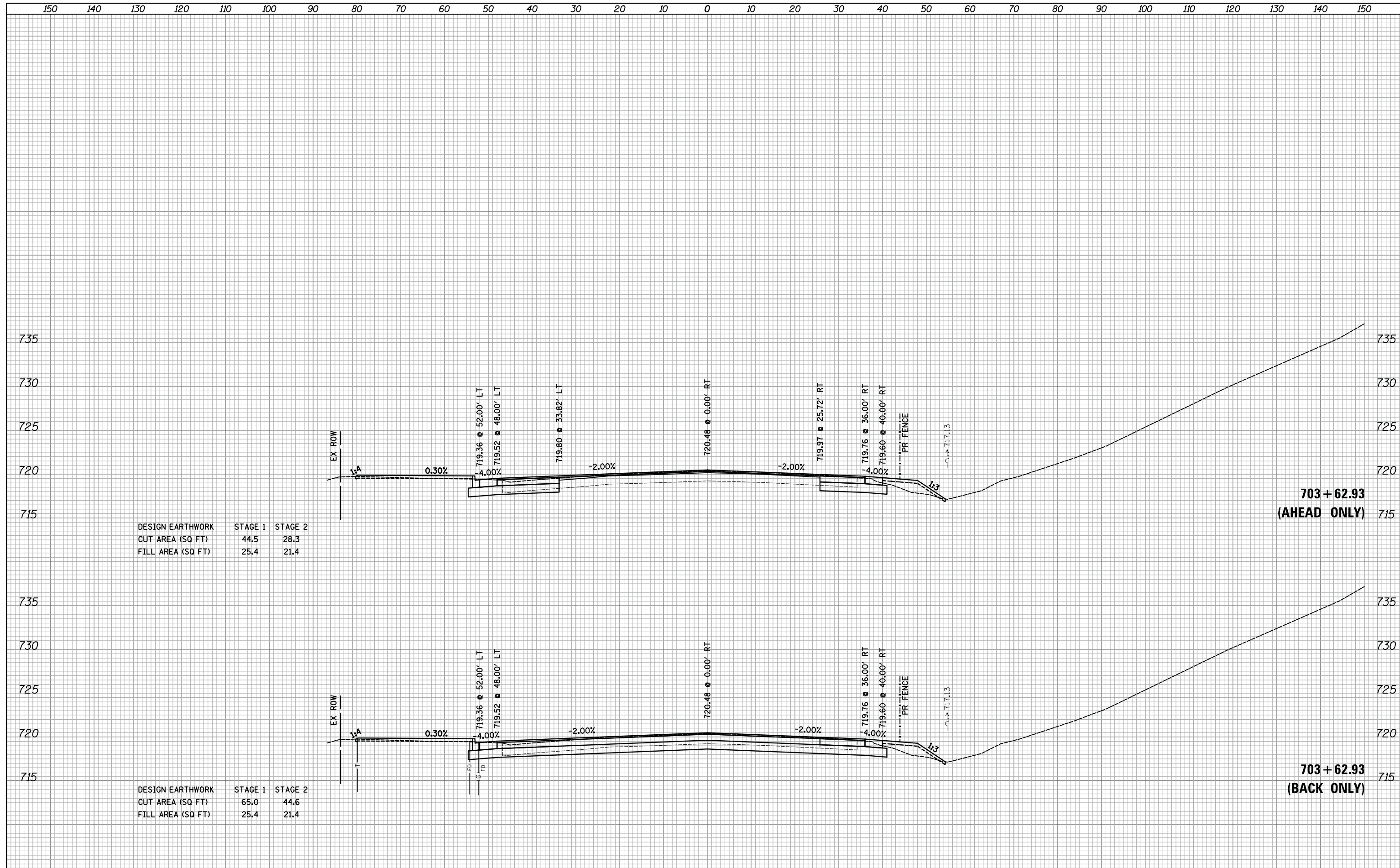
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FINAL SURVEY NO.	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
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ORIGINAL SURVEY NO.	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
	TEMPLATE		
	AREAS		
	CHECKED		



DESIGN EARTHWORK	STAGE 1	STAGE 2
CUT AREA (SQ FT)	44.5	28.3
FILL AREA (SQ FT)	25.4	21.4

DESIGN EARTHWORK	STAGE 1	STAGE 2
CUT AREA (SQ FT)	65.0	44.6
FILL AREA (SQ FT)	25.4	21.4

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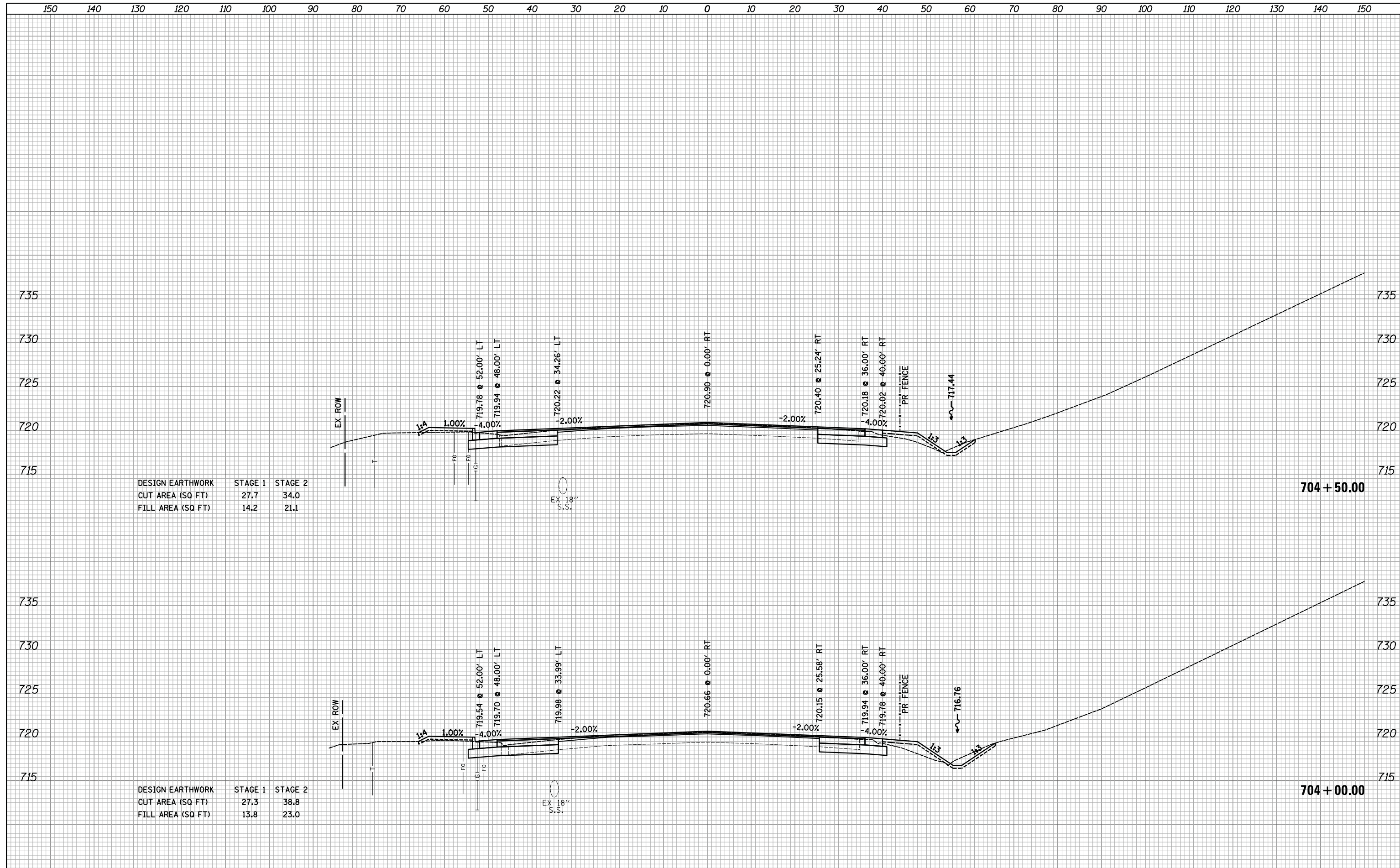
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

WOODFIELD ROAD - MARTINGALE ROAD TO EAST FRONTAGE ROAD
 CROSS SECTIONS - WEST FRONTAGE ROAD
 SCALE: 1"=10'H/5'V SHEET 3 OF 9 SHEETS STA. 703+62.93 TO STA. 703+62.94

MUN/FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3073/1689	14-00114-01-PV	COOK	282	264
CONTRACT NO. 61F09			ILLINOIS FED. AID PROJECT	

DATE	
BY	
FINISHED SURVEY	
PLOTTED	
TEMPLATE	
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DATE	
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PLOT DATE = 2/12/2019	CHECKED - DJK	REVISED -
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

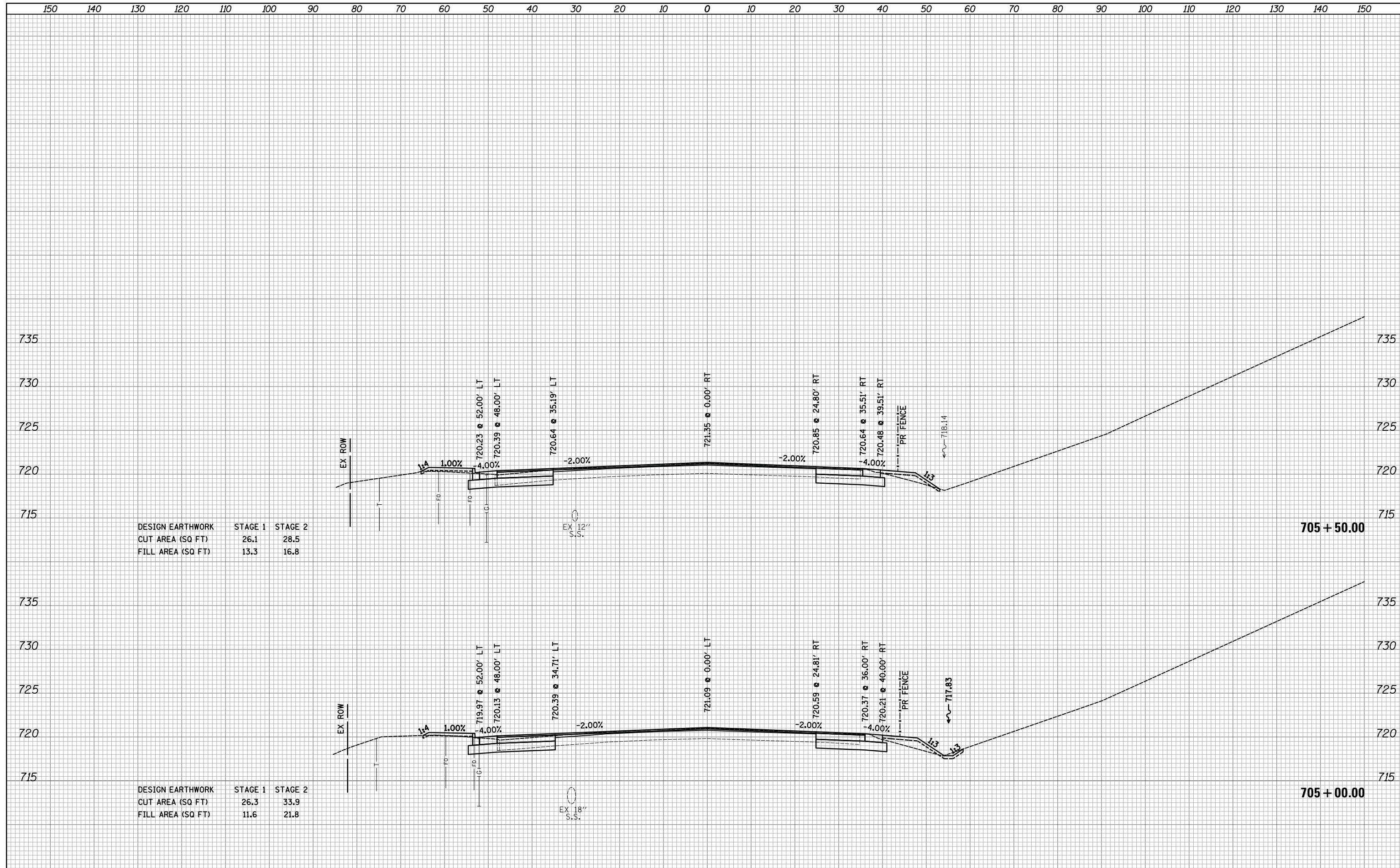
**WOODFIELD ROAD - MARTINGALE ROAD TO EAST FRONTAGE ROAD
CROSS SECTIONS - WEST FRONTAGE ROAD**

SCALE: 1"=10'H/5'V SHEET 4 OF 9 SHEETS STA. 704+00.00 TO STA. 704+50.00

MUN/FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3073/1689	14-00114-01-PV	COOK	282	265
CONTRACT NO. 61F09			ILLINOIS FED. AID PROJECT	

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



DESIGN EARTHWORK	STAGE 1	STAGE 2
CUT AREA (SQ FT)	26.1	28.5
FILL AREA (SQ FT)	13.3	16.8

DESIGN EARTHWORK	STAGE 1	STAGE 2
CUT AREA (SQ FT)	26.3	33.9
FILL AREA (SQ FT)	11.6	21.8

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 DATE - 01/28/2019

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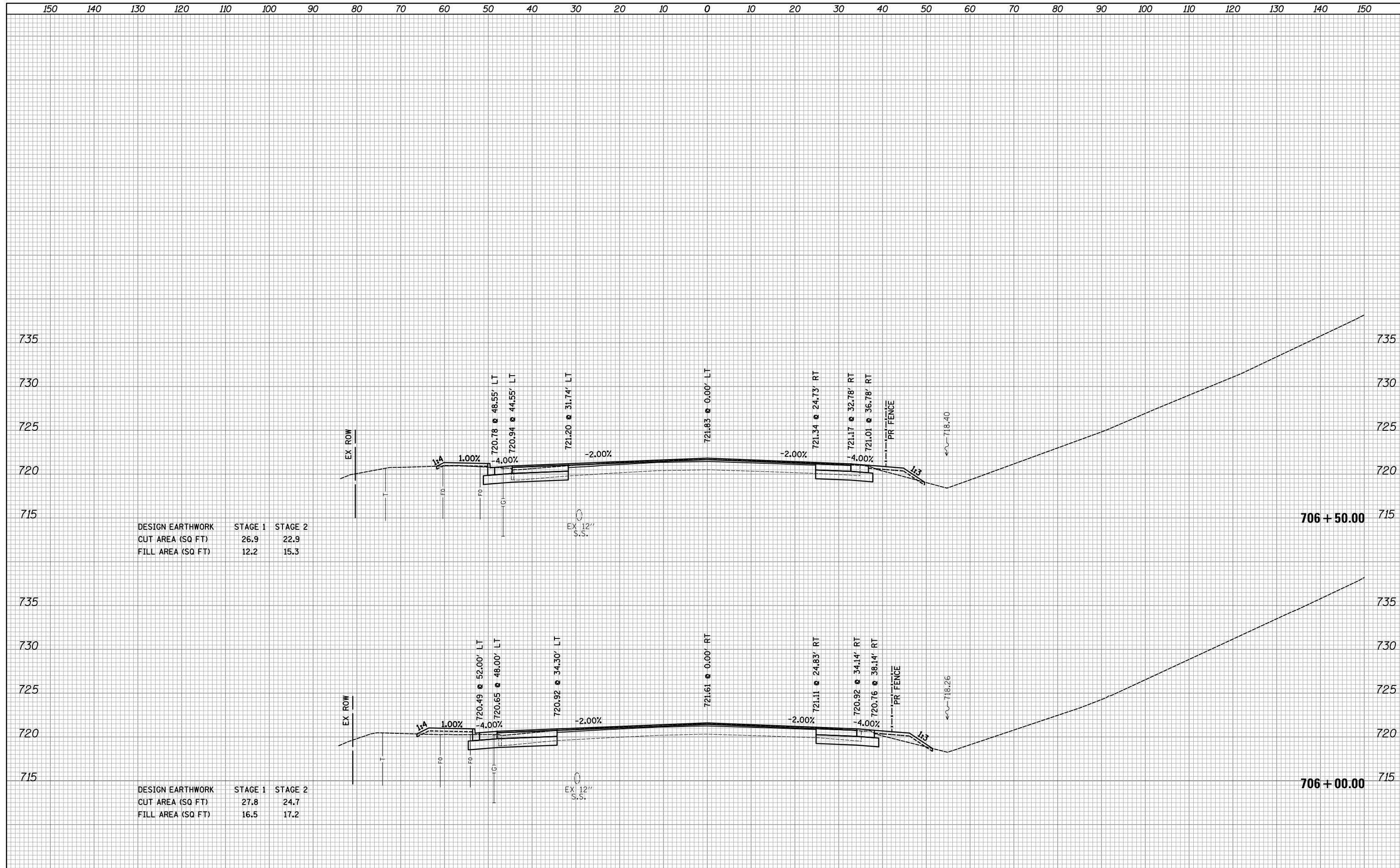
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**WOODFIELD ROAD - MARTINGALE ROAD TO EAST FRONTAGE ROAD
 CROSS SECTIONS - WEST FRONTAGE ROAD**
 SCALE: 1"=10'H/5'V SHEET 5 OF 9 SHEETS STA. 705+00.00 TO STA. 705+50.00

MUN/FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3073/1689	14-00114-01-PV	COOK	282	266
CONTRACT NO. 61F09				
ILLINOIS FED. AID PROJECT				

DATE	
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DATE	
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AREAS	
AREAS CHECKED	
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DESIGN EARTHWORK	STAGE 1	STAGE 2
CUT AREA (SQ FT)	26.9	22.9
FILL AREA (SQ FT)	12.2	15.3

DESIGN EARTHWORK	STAGE 1	STAGE 2
CUT AREA (SQ FT)	27.8	24.7
FILL AREA (SQ FT)	16.5	17.2

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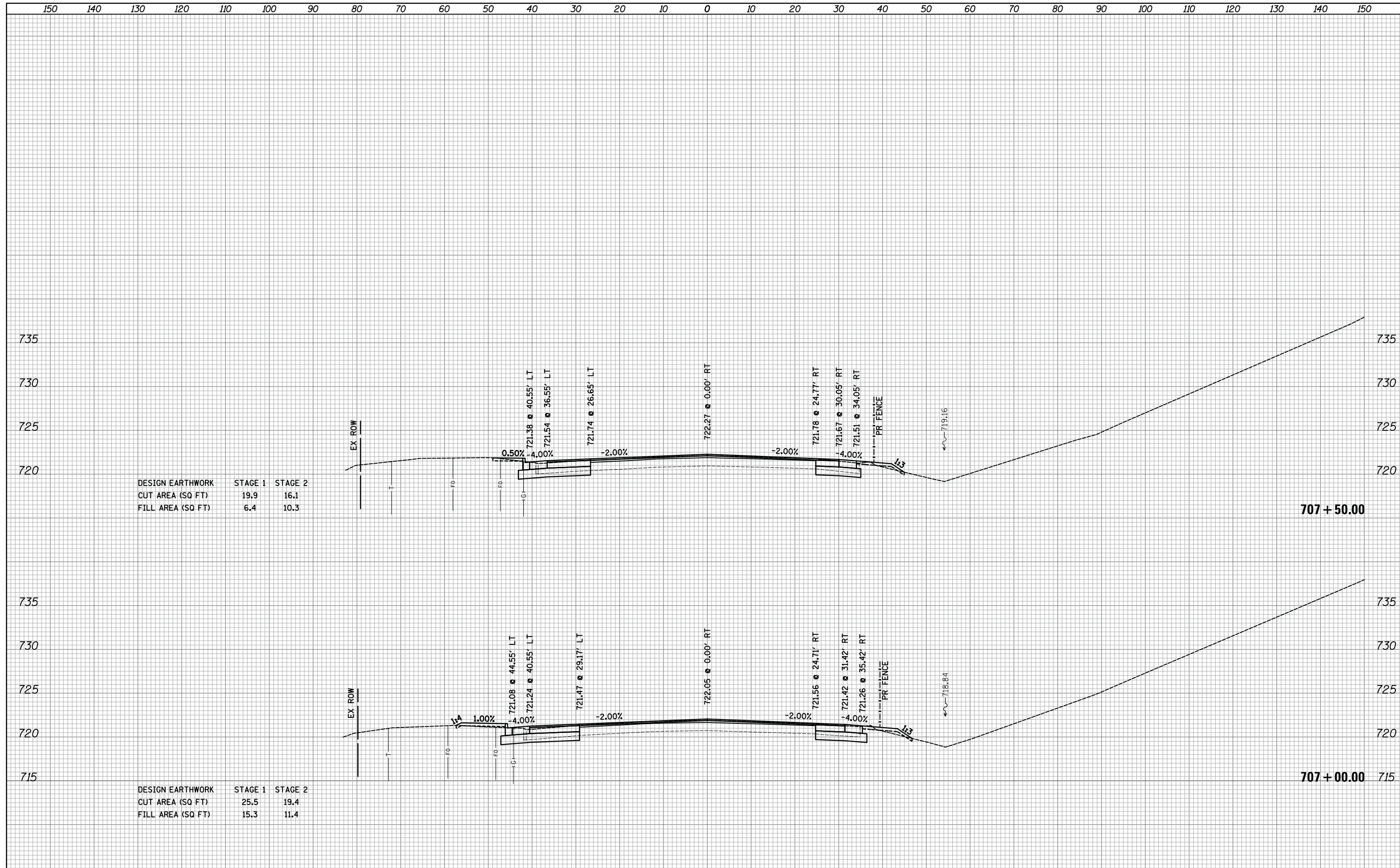
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**WOODFIELD ROAD - MARTINGALE ROAD TO EAST FRONTAGE ROAD
 CROSS SECTIONS - WEST FRONTAGE ROAD**
 SCALE: 1"=10'H/5'V SHEET 6 OF 9 SHEETS STA. 706+00.00 TO STA. 706+50.00

MUN/FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3073/ 1689	14-00114-01-PV	COOK	282	267
CONTRACT NO. 61F09				
ILLINOIS FED. AID PROJECT				

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

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



DESIGN EARTHWORK	STAGE 1	STAGE 2
CUT AREA (SQ FT)	19.9	16.1
FILL AREA (SQ FT)	6.4	10.3

707 + 50.00

DESIGN EARTHWORK	STAGE 1	STAGE 2
CUT AREA (SQ FT)	25.5	19.4
FILL AREA (SQ FT)	15.3	11.4

707 + 00.00

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USER NAME = djk
 PLOT SCALE = 10.0000' / in.
 PLOT DATE = 2/12/2019

DESIGNED - KDC
 DRAWN - KDC
 CHECKED - DJK
 DATE - 01/28/2019

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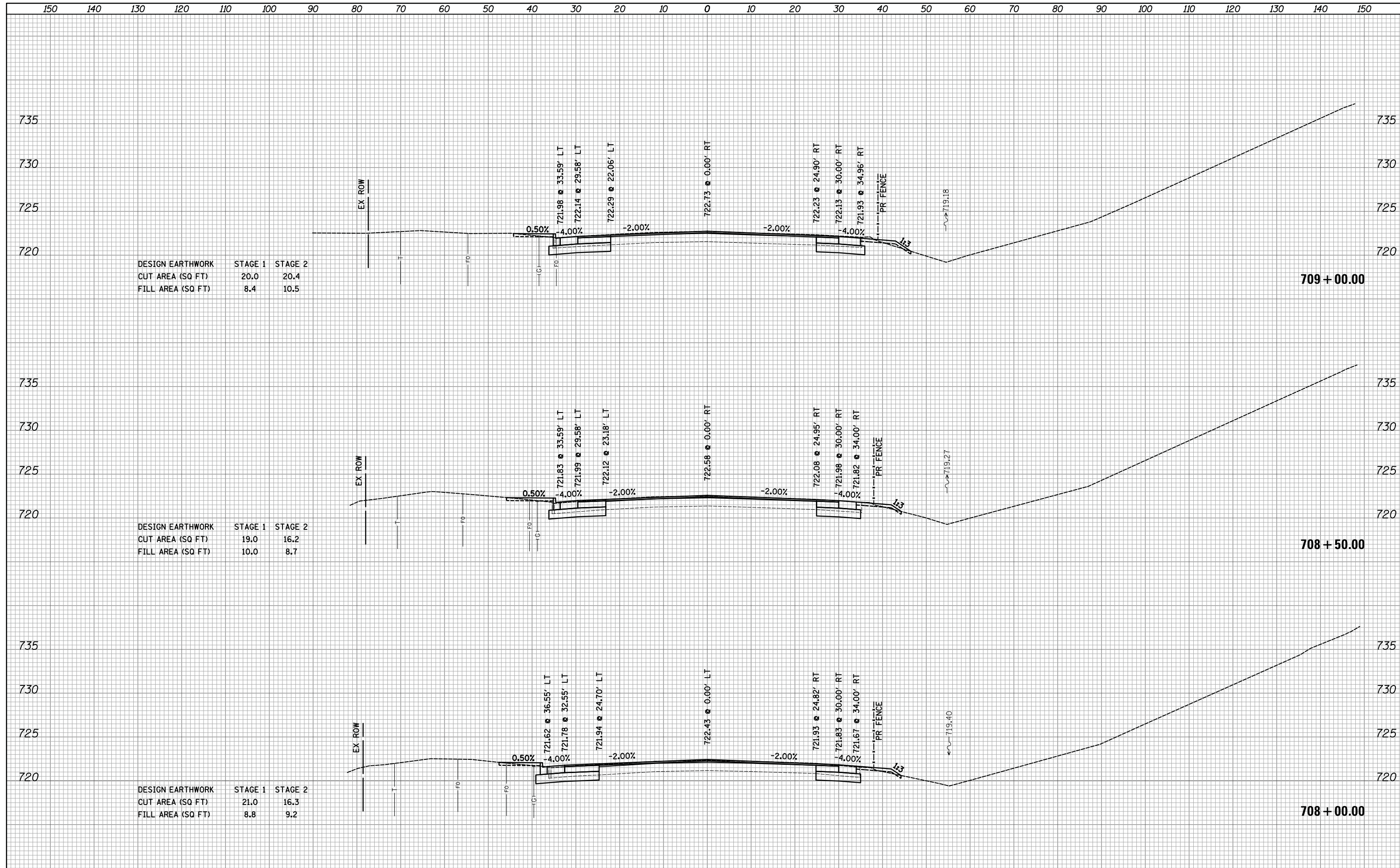
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

WOODFIELD ROAD - MARTINGALE ROAD TO EAST FRONTAGE ROAD
 CROSS SECTIONS - WEST FRONTAGE ROAD
 SCALE: 1"=10'H/5'V SHEET 7 OF 9 SHEETS STA. 707+00.00 TO STA. 707+50.00

MUN/FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3073/1689	14-00114-01-PV	COOK	282	268
CONTRACT NO. 61F09				
ILLINOIS FED. AID PROJECT				

DATE	
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DESIGN EARTHWORK	STAGE 1	STAGE 2
CUT AREA (SQ FT)	20.0	20.4
FILL AREA (SQ FT)	8.4	10.5

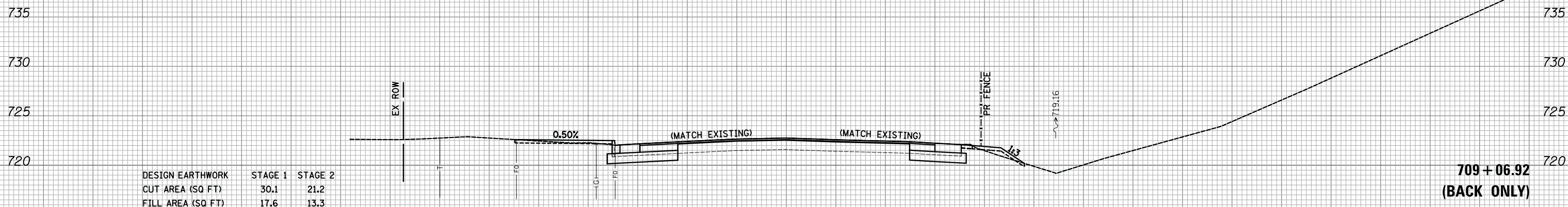
DESIGN EARTHWORK	STAGE 1	STAGE 2
CUT AREA (SQ FT)	19.0	16.2
FILL AREA (SQ FT)	10.0	8.7

DESIGN EARTHWORK	STAGE 1	STAGE 2
CUT AREA (SQ FT)	21.0	16.3
FILL AREA (SQ FT)	8.8	9.2

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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

ORIGINAL SURVEY NO.	SURVEYED	DATE
NOTE BOOK	PLOTTED	
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DESIGNED - KDC
DRAWN - KDC
CHECKED - DJK
DATE - 01/28/2019

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**WOODFIELD ROAD - MARTINGALE ROAD TO EAST FRONTAGE ROAD
CROSS SECTIONS - WEST FRONTAGE ROAD**

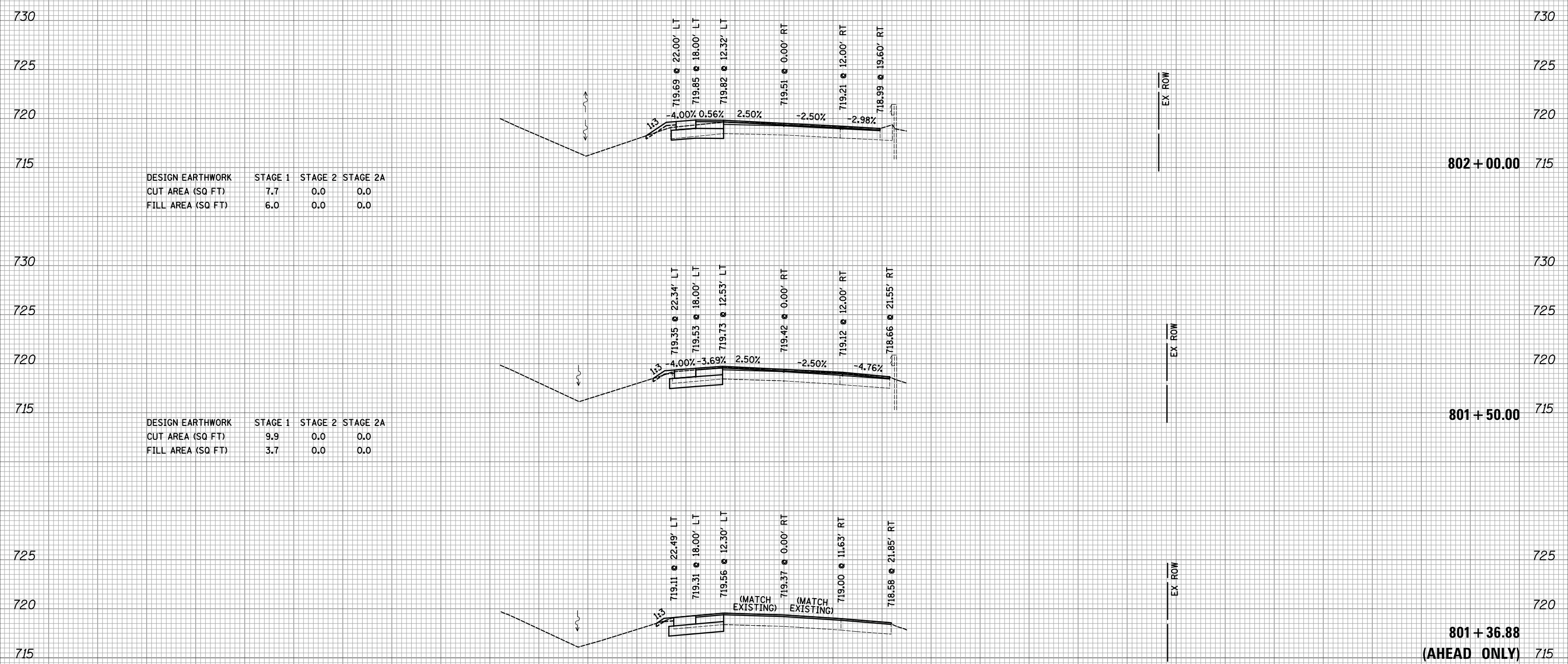
SCALE: 1"=10'H/5'V SHEET 9 OF 9 SHEETS STA. 709+06.92 TO STA. 709+06.92

MUN/FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3073/1689	14-00114-01-PV	COOK	282	270
CONTRACT NO. 61F09			ILLINOIS FED. AID PROJECT	

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DESIGNED - KDC
 DRAWN - KDC
 CHECKED - DJK
 DATE - 01/28/2019

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

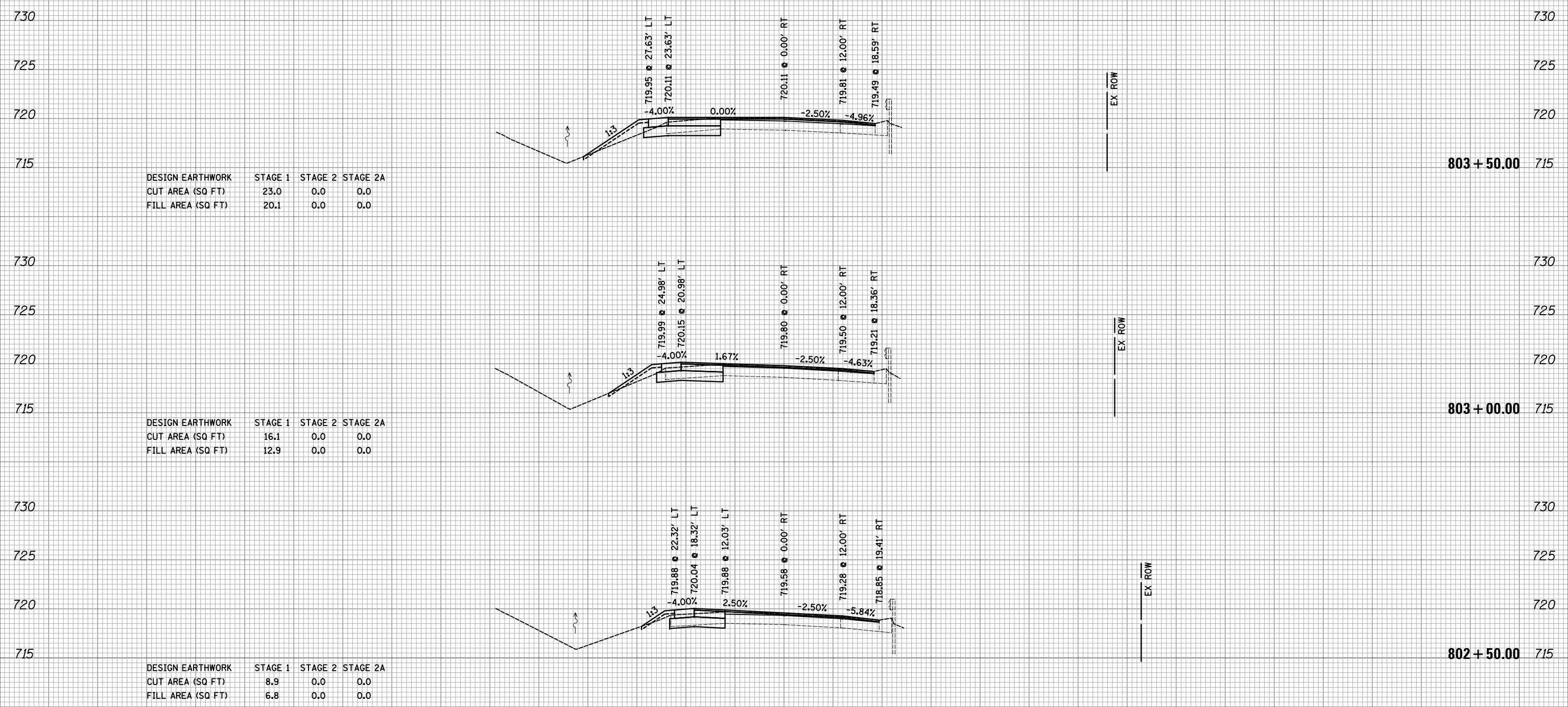
**WOODFIELD ROAD - MARTINGALE ROAD TO EAST FRONTAGE ROAD
 CROSS SECTIONS - EAST FRONTAGE ROAD**
 SCALE: 1"=10'H/5'V SHEET 1 OF 9 SHEETS STA. 801+36.88 TO STA. 802+00.00

MUN/FAU RTE. 3073/ 1689	SECTION 14-00114-01-PV	COUNTY COOK	TOTAL SHEETS 282	SHEET NO. 271
CONTRACT NO. 61F09			ILLINOIS FED. AID PROJECT	

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DESIGNED - KDC
 DRAWN - KDC
 CHECKED - DJK
 DATE - 01/28/2019

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

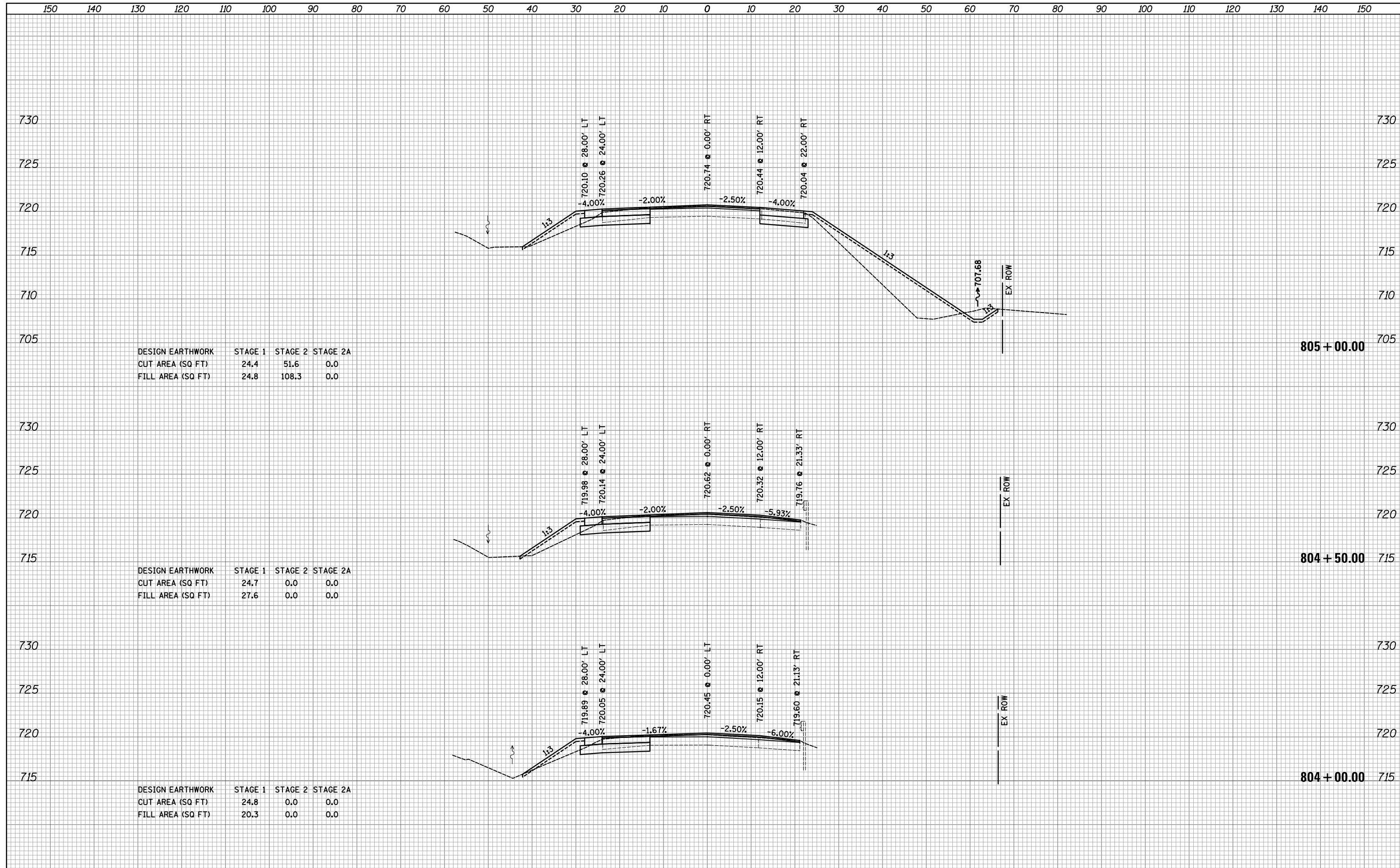
**WOODFIELD ROAD - MARTINGALE ROAD TO EAST FRONTAGE ROAD
 CROSS SECTIONS - EAST FRONTAGE ROAD**

SCALE: 1"=10'H/5'V SHEET 2 OF 9 SHEETS STA. 802+50.00 TO STA. 803+50.00

MUN/FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3073/ 1689	14-00114-01-PV	COOK	282	272
CONTRACT NO. 61F09			ILLINOIS FED. AID PROJECT	

DATE	
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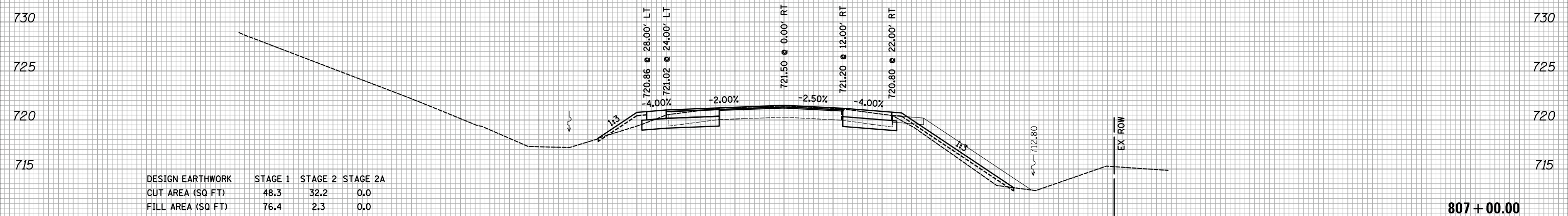
DESIGN EARTHWORK	STAGE 1	STAGE 2	STAGE 2A
CUT AREA (SQ FT)	24.4	51.6	0.0
FILL AREA (SQ FT)	24.8	108.3	0.0

DESIGN EARTHWORK	STAGE 1	STAGE 2	STAGE 2A
CUT AREA (SQ FT)	24.7	0.0	0.0
FILL AREA (SQ FT)	27.6	0.0	0.0

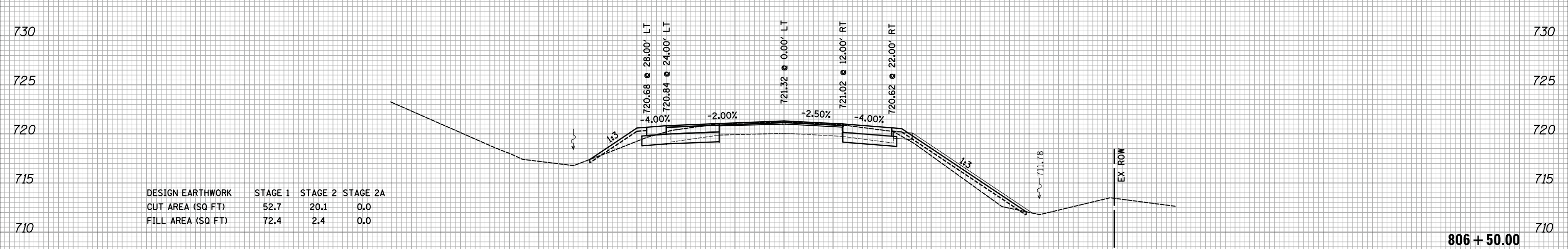
DESIGN EARTHWORK	STAGE 1	STAGE 2	STAGE 2A
CUT AREA (SQ FT)	24.8	0.0	0.0
FILL AREA (SQ FT)	20.3	0.0	0.0

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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NOTE BOOK	
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TEMPLATE	
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ORIGINAL SURVEY	
NOTE BOOK	
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 PLOT SCALE = 10.0000' / in.
 PLOT DATE = 2/12/2019

DESIGNED - KDC
 DRAWN - KDC
 CHECKED - DJK
 DATE - 01/28/2019

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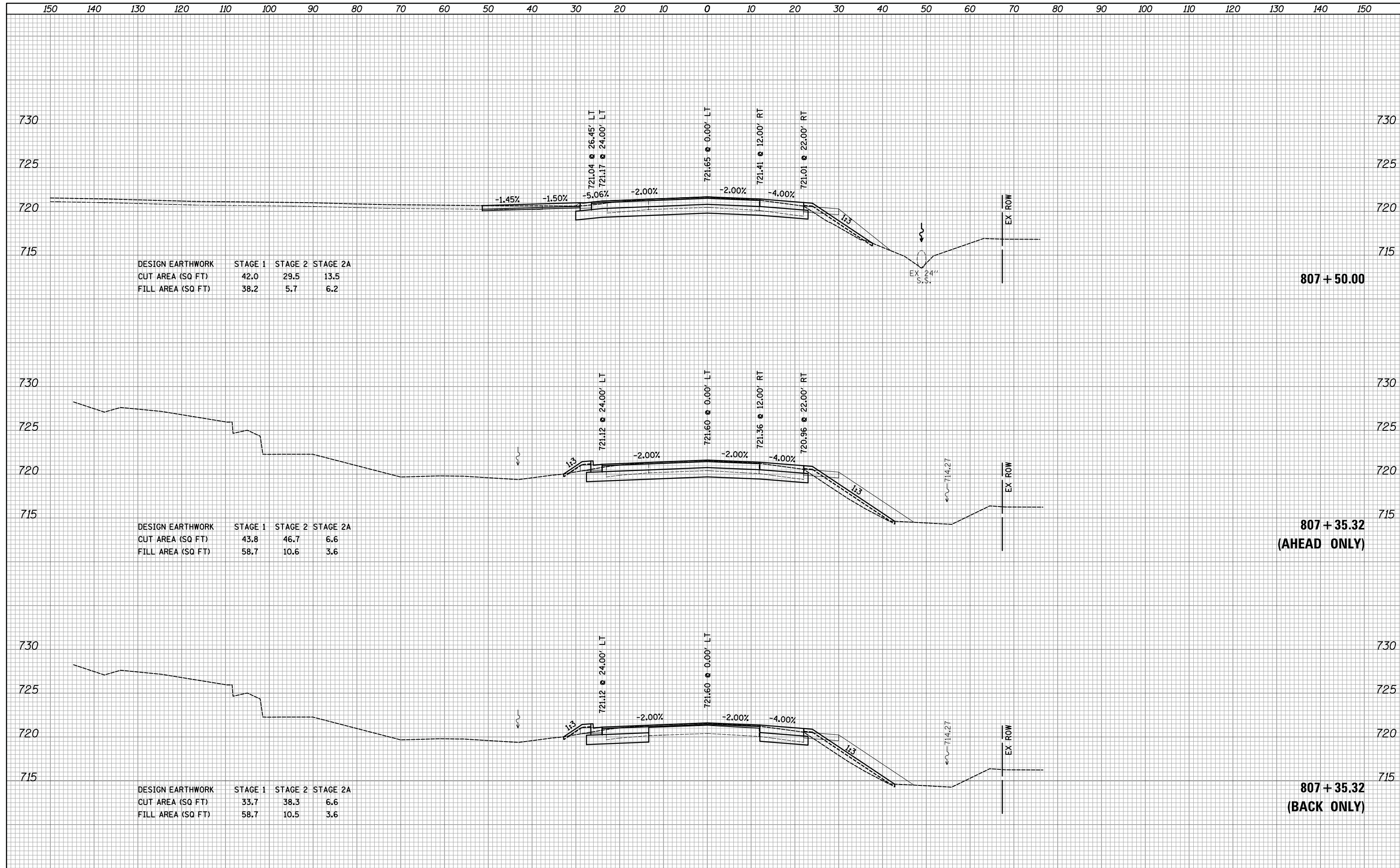
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

WOODFIELD ROAD - MARTINGALE ROAD TO EAST FRONTAGE ROAD
 CROSS SECTIONS - EAST FRONTAGE ROAD
 SCALE: 1"=10'H/5'V SHEET 5 OF 9 SHEETS STA. 806+50.00 TO STA. 807+00.00

MUN/FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3073/1689	14-00114-01-PV	COOK	282	275
CONTRACT NO. 61F09			ILLINOIS FED. AID PROJECT	

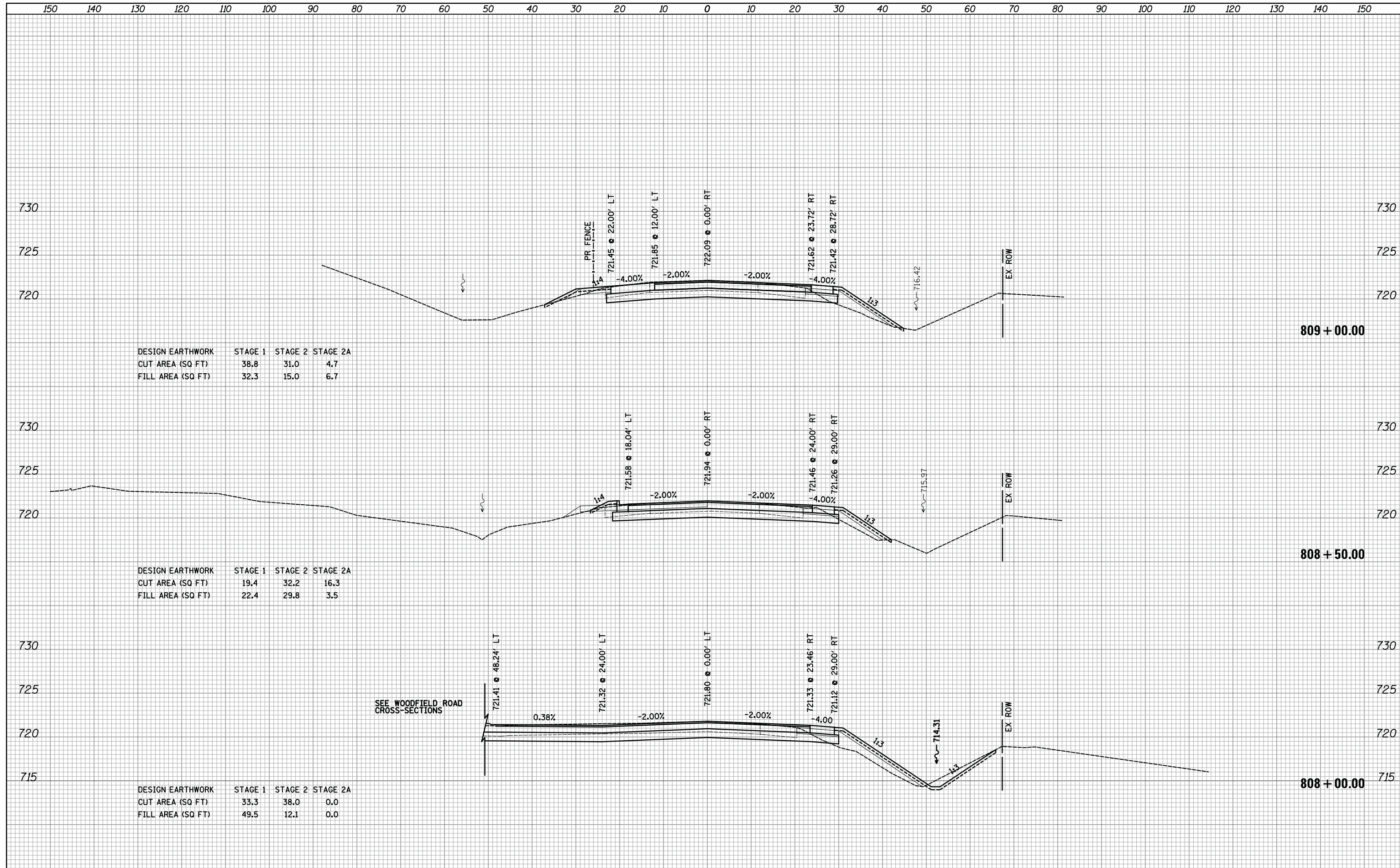
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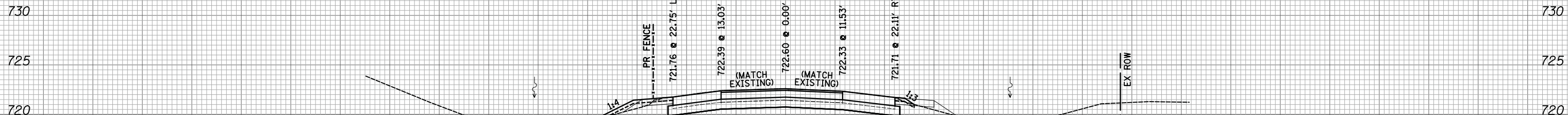
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150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

FINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE



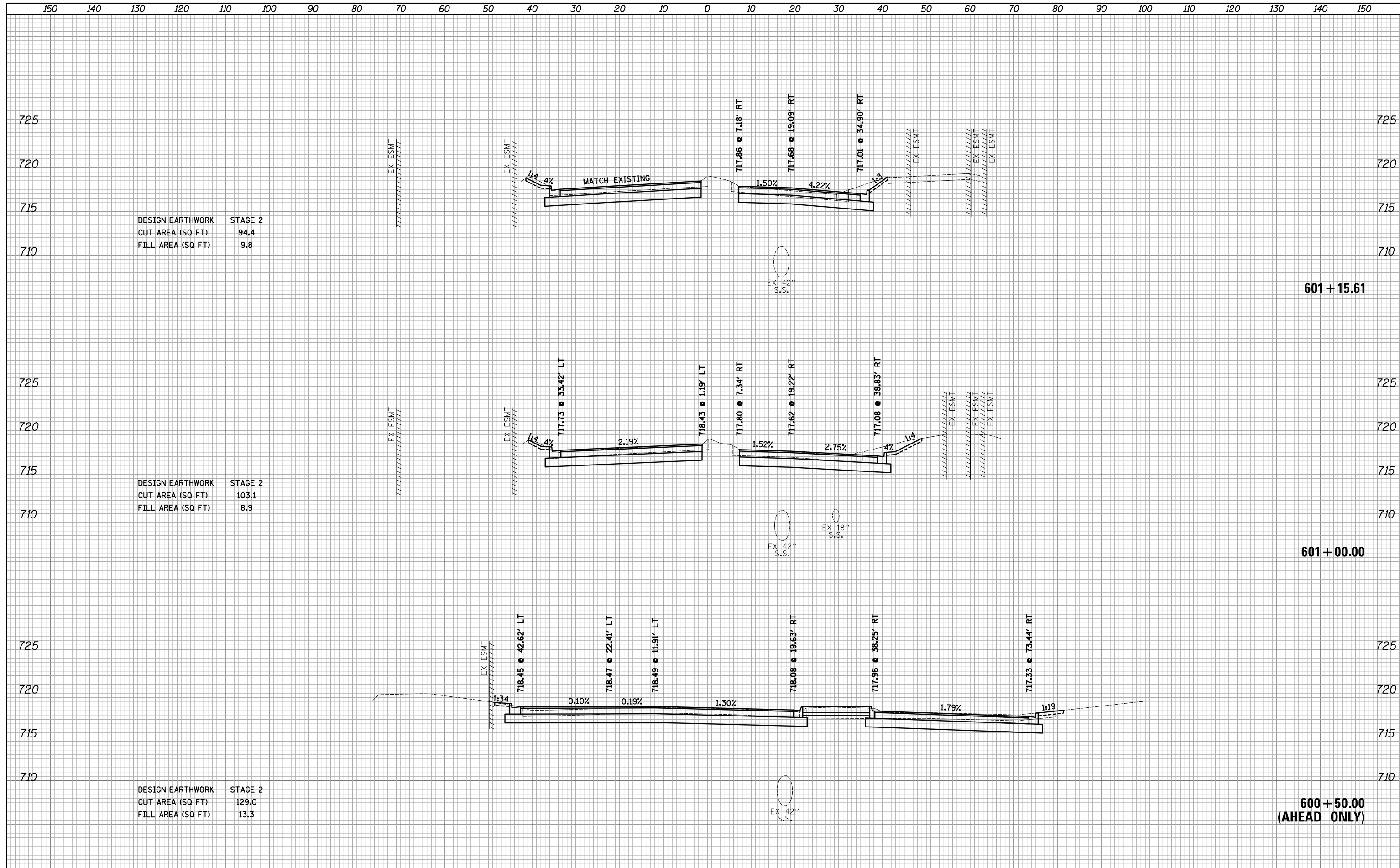
DESIGN EARTHWORK	STAGE 1	STAGE 2	STAGE 2A
CUT AREA (SQ FT)	32.3	27.3	6.1
FILL AREA (SQ FT)	13.8	10.9	8.7

**810 + 70.97
(BACK ONLY)**

FILE NAME = ...\\3074...xso_sht.E.Frontage.dgn	USER NAME = djk	DESIGNED - KDC	REVISIED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	WOODFIELD ROAD - MARTINGALE ROAD TO EAST FRONTAGE ROAD CROSS SECTIONS - EAST FRONTAGE ROAD	MUN/FAU RTE. 3073/ 1689	SECTION 14-00114-01-PV	COUNTY COOK	TOTAL SHEETS 282	SHEET NO. 279	
MODELNAME	PLOT SCALE = 10.0000' / in.	CHECKED - DJK	REVISIED -			SCALE: 1"=10'H/5'V	SHEET 9 OF 9 SHEETS	STA. 810+70.97	TO STA. 810+70.97	CONTRACT NO. 61F09	
	PLOT DATE = 2/12/2019	DATE - 01/28/2019	REVISIED -			ILLINOIS FED. AID PROJECT					

DATE	
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PLOTTED	
TEMPLATE	
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DATE	
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SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
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DESIGN EARTHWORK STAGE 2
 CUT AREA (SQ FT) 94.4
 FILL AREA (SQ FT) 9.8

DESIGN EARTHWORK STAGE 2
 CUT AREA (SQ FT) 103.1
 FILL AREA (SQ FT) 8.9

DESIGN EARTHWORK STAGE 2
 CUT AREA (SQ FT) 129.0
 FILL AREA (SQ FT) 13.3

601 + 15.61

601 + 00.00

600 + 50.00
 (AHEAD ONLY)

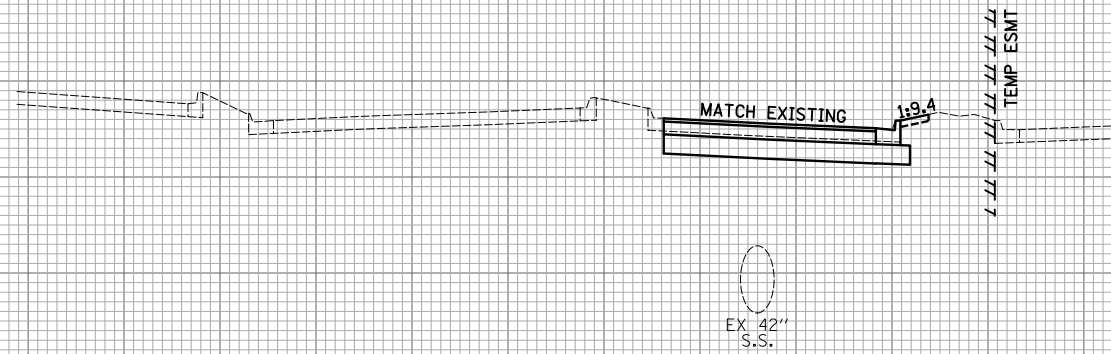
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MODELNAME	PLOT SCALE = 10.0000' / in.	CHECKED - DJK	REVISIED -			SCALE: 1"=10'V/5'H	SHEET 1	OF 2	SHEETS	STA. 600+50.00	TO STA. 601+15.61	CONTRACT NO. 61F09
	PLOT DATE = 2/12/2019	DATE - 01/28/2019	REVISIED -									ILLINOIS FED. AID PROJECT

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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FINAL SURVEY	
NOTE BOOK	
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720
715
710

DESIGN EARTHWORK STAGE 2
CUT AREA (SQ FT) 34.2
FILL AREA (SQ FT) 3.4



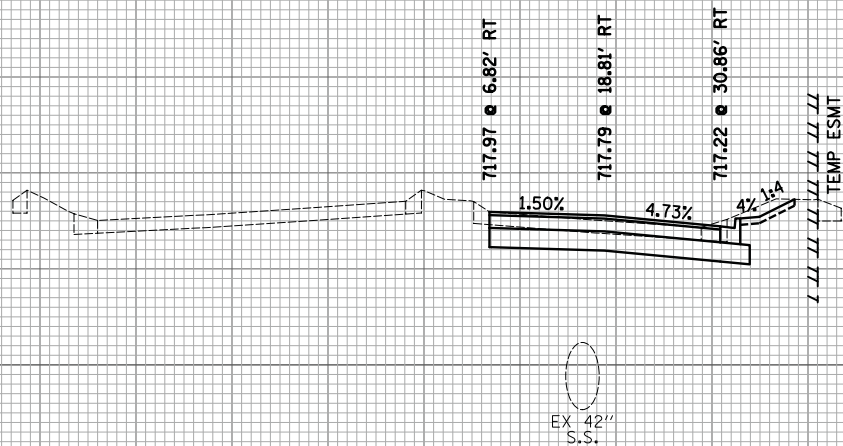
601 + 95.10
(BACK ONLY)

720
715
710

DATE	
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TEMPLATE	
AREAS	
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ORIGINAL SURVEY	
NOTE BOOK	
NO.	

725
720
715
710

DESIGN EARTHWORK STAGE 2
CUT AREA (SQ FT) 37.4
FILL AREA (SQ FT) 4.4



601 + 50.00

725
720
715
710

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

FILE NAME = ...\\3074...xso_sht_Perimeter

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DESIGNED - KDC
DRAWN - KDC
CHECKED - DJK
DATE - 01/28/2019

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WOODFIELD ROAD - MARTINGALE ROAD TO EAST FRONTAGE ROAD
CROSS SECTIONS - PERIMETER DRIVE

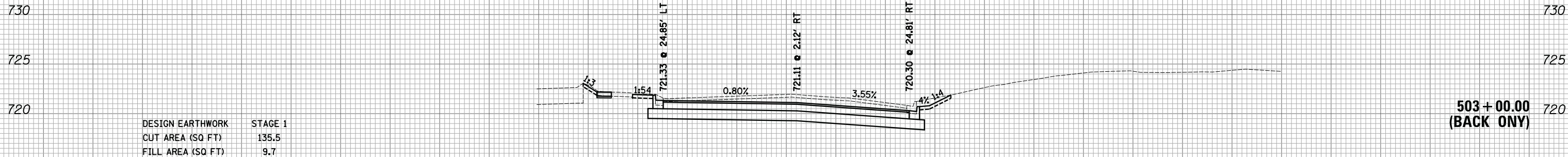
SCALE: 1"=10'H/5'V SHEET 2 OF 2 SHEETS STA. 601+50.00 TO STA. 601+95.10

MUN/FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3073/1689	14-00114-01-PV	COOK	282	281
CONTRACT NO. 61F09				

ILLINOIS FED. AID PROJECT

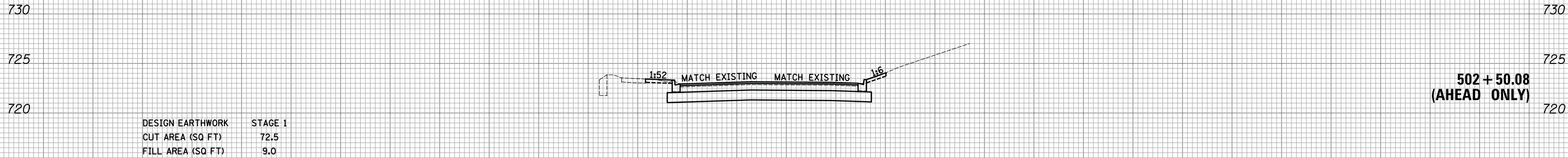
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FINISHED SURVEY	
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AREAS CHECKED	
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503 + 00.00
(BACK ONLY)

DATE	
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ORIGINAL SURVEY	
PLOTTED	
TEMPLATE	
AREAS CHECKED	
NO.	



502 + 50.08
(AHEAD ONLY)