

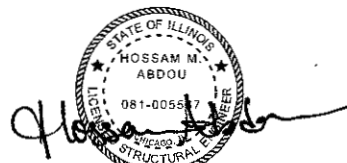
INDEX OF SHEETS

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- 2 GENERAL NOTES, HIGHWAY STANDARDS & COMMITMENTS
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- 15 RIGHT OF WAY PLAN
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- 24-25 404 PERMIT
- 26-28 ROADWAY DETAILS
- 29-35 CROSS SECTIONS

SEE SHEET NO. 2 FOR LIST OF HIGHWAY STANDARDS



EXPIRATION DATE 11-30-2017
DATE: 08-08-2017



EXP. DATE: 11-30-2018
DATE: 08-08-2017

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PROPOSED
HIGHWAY PLANS**

**FAP ROUTE 607 (US 52)
SECTION (127) CR-2504
PROJECT STP-279I(066)
STRUCTURE REPLACEMENT
KENDALL COUNTY**

C-93-087-17

US 52 OVER VALLEY RUN CREEK
2.5 MILES WEST OF IL 47

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
607	(127) CR-2504	KENDALL	35	1
		ILLINOIS	CONTRACT NO. 66F61	

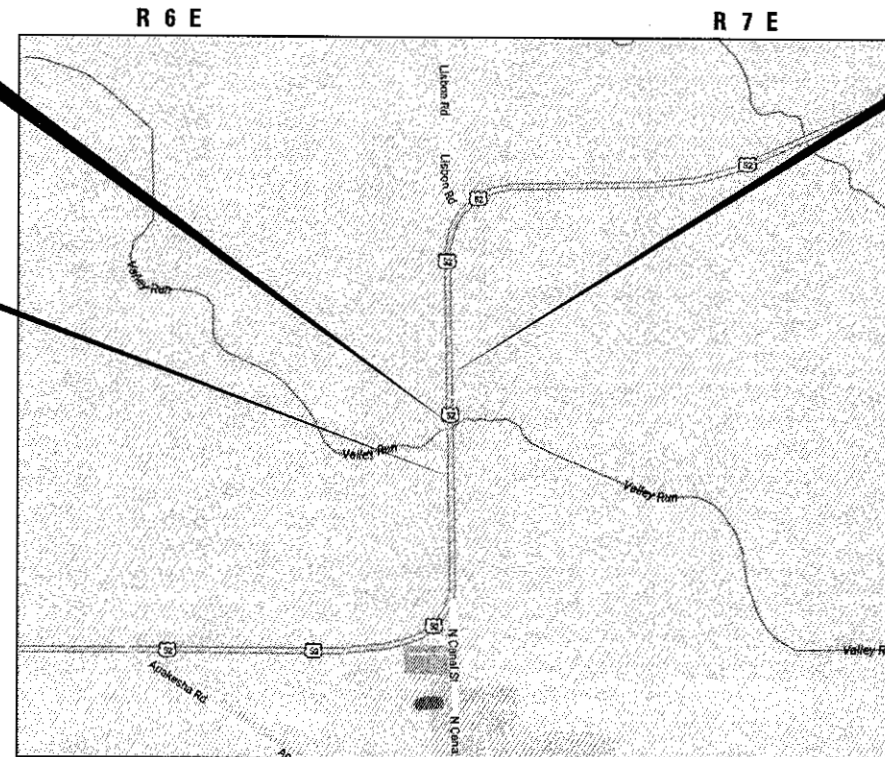
P-93-025-16
D-93-049-17



**EXISTING S.N. 047-2504
STA 933+80.29 TO STA 933+99.71
PROPOSED S.N. 047-2583
STA 933+79.83 TO STA 934+00.17**

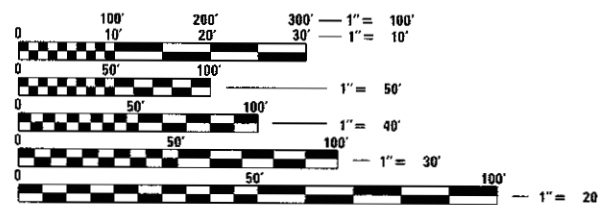
**BEGIN IMPROVEMENT
STA 932+00.00**

**END IMPROVEMENT
STA 936+00.00**



**LOCATION MAP
NOT TO SCALE**

GROSS LENGTH = 400 FT. = 0.076 MILE
NET LENGTH = 400 FT. = 0.076 MILE



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

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

**PROJECT ENGINEER: DAVE ALEXANDER, P.E.
UNIT CHIEF: BRAD DUNCAN, P.E.
DISTRICT 3 NO. (815) 434-6131
CONTRACT NO. 66F61**

FUNCTIONAL CLASSIFICATION

**MINOR ARTERIAL (RURAL)
F.A.P. ROUTE 607 (US 52)
2015 ADT = 1,850
P.C. = 87.0% S.U. = 8.1% M.U. = 4.9%**

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED August 17 2017
[Signature]
REGIONAL ENGINEER

Oct 13 2017
Maureen M. Addis
ENGINEER OF DESIGN AND ENVIRONMENT

Oct 13 2017
[Signature]
DIRECTOR OF PROGRAM DEVELOPMENT

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



Rev

GENERAL NOTES:

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

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

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

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

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

ONLY THOSE TREES DESIGNATED BY THE ENGINEER OR LISTED IN THE TREE REMOVAL SCHEDULE SHALL BE REMOVED. THE CONTRACTOR SHALL PROTECT ALL REMAINING TREES FROM DAMAGE DUE TO HIS OPERATIONS.

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

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

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

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

ANY EXISTING WEIGHT LIMIT SIGN AND POST PLACED FOR THE EXISTING CULVERT SHALL BE REMOVED AND RETURNED TO IDOT.

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

GRANULAR MATERIALS	2.05	TONS / CU YD
HMA RESURFACING	112	LBS / SQ YD / IN
SHORT TERM PAVEMENT MARKING	10	FT / 100 FT OF APPLICATION
MIX FOR CRACKS, JTS & FLGWS	0.0003	TONS / SQ YD
LEVEL BINDER (HAND METHOD)	0.0005	TONS / SQ YD

MEMBERS OF JULIE KNOWN TO BE WITHIN THE LIMITS OF THE IMPROVEMENT ARE:
AT&T
COMED AN EXELON COMPANY

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

HIGHWAY STANDARDS

STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
AREAS OF REINFORCEMENT BARS
DECIMAL OF AN INCH AND OF A FOOT
TEMPORARY EROSION CONTROL SYSTEMS
HMA SLHD./SHLDS. WITH RESURFACING OR WIDENING AND RESURFACING PROJECTS
NAME PLATE FOR BRIDGES
STEEL PLATE BEAM GUARDRAIL
LONG-SPAN GUARDRAIL OVER CULVERT
PCC/HMA STABILIZATION AT STEEL PLATE BEAM GUARDRAIL
SHOULDER WIDENING FOR TYPE I (SPECIAL) GUARDRAIL TERMINALS
SHOULDER RUMBLE STRIPS, 8 IN.
RIGHT-OF-WAY MARKERS
OFF-RD OPERATIONS, 2L, 2W, MORE THAN 15' (4.5m) AWAY
OFF-RD OPERATIONS, 2L, 2W, 15' (4.5m) TO 24" (600mm) FROM PAVEMENT EDGE
LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS > 45 MPH
LANE CLOSURE, 2L, 2W, MOVING OPERATIONS - DAY ONLY
LANE CLOSURE, 2L, 2W, BRIDGE REPAIR WITH BARRIER
LANE CLOSURE, 2L, 2W, PAVEMENT WIDENING FOR SPEEDS > 45 MPH
TRAFFIC CONTROL DEVICES
TEMPORARY CONCRETE BARRIER
OBJECT AND TERMINAL MARKERS
TYPICAL PAVEMENT MARKINGS
TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS
GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS

- 000001-06
- 001001-02
- 001006
- 280001-07
- 482011-03
- 515001-03
- 630001-11
- 630106-02
- 630201-07
- 630301-07
- 642006
- 666001-01
- 701001-02
- 701006-05
- 701201-04
- 701311-03
- 701321-16
- 701326-04
- 701301-06
- 704001-08
- 725001-01
- 780001-05
- 781001-04
- 782006

COMMITMENTS:

TO CONSERVE THE INDIANA AND NORTHERN LONG-EARED BATS, TREES SHALL NOT BE CLEARED FROM APRIL 1 THROUGH SEPTEMBER 30.

TWO LARGE TREES IN THE SOUTHWEST QUADRANT CLOSE TO THE CULVERT SHOULD BE SAVED IF FEASIBLE.

STRUCTURE NO. 047-2504 IS RESTRICTED TO LEGAL LOADS ONLY.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DISTRICT THREE
AS BUILT INFORMATION

SUPERVISING CONSTRUCTION FIELD ENGINEER

RESIDENT ENGINEER / TECHNICIAN

START & END DATES
OF CONSTRUCTION:

INSPECTORS:

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DISTRICT THREE

REVIEWED BY: *On Benesch*
DISTRICT STUDIES & PLANS ENGINEER

DATE: August 17, 2017

EXAMINED BY: *K9518*
DISTRICT CONSTRUCTION ENGINEER

Michael A. Shurt
DISTRICT MATERIALS ENGINEER

Ron [Signature]
DISTRICT OPERATIONS ENGINEER

FILE NAME: X:\PBB\3939\Civil\US 52 over Valley Run\Eng_Docs\General\17366661-int-genera.dwg

USER NAME = ogibson	DESIGNED - ALG	REVISED -
	DRAWN - TMB	REVISED -
PLOT SCALE = 2.0000' / 1" =	CHECKED - JNR	REVISED -
PLOT DATE = 8/8/2017	DATE - 8/11/2017	REVISED -



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES, HIGHWAY STANDARDS & COMMITMENTS

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
607	(127) CR-2504	KENDALL	35	2
			CONTRACT NO. 66F61	
ILLINOIS FED. AID PROJECT				

CODE NO.	ITEM	RURAL	CONSTRUCTION CODE
			80% FED 20% STATE ✓ 0004 SN 047-2583
20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	42
20200100	EARTH EXCAVATION	CU YD	680
20400800	FURNISHED EXCAVATION	CU YD	120
20700220	POROUS GRANULAR EMBANKMENT	CU YD	537
21301052	EXPLORATION TRENCH 52" DEPTH	FOOT	400
25000200	SEEDING, CLASS 2	ACRE	0.50
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	45
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	45
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	45
25100630	EROSION CONTROL BLANKET	SQ YD	2,512
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	50
28000305	TEMPORARY DITCH CHECKS	FOOT	66
28000400	PERIMETER EROSION BARRIER	FOOT	748
28001100	TEMPORARY EROSION CONTROL BLANKET	SQ YD	2,512

14
• SPECIALTY ITEM

FILE NAME = X:\3900s\390B\Civil\115 12 over Valley Run\Eng\Docs\General\066661-11-500-01.dgn

USER NAME = agibson	DESIGNED - ALG	REVISED -
	DRAWN - TMB	REVISED -
PLOT SCALE = 2.0000" / 1"	CHECKED - JNR	REVISED -
PLOT DATE = 8/8/2017	DATE - 8/11/2017	REVISED -



**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES			
SCALE:	SHEET 1 OF 5 SHEETS	STA.	TO STA.

F.A.P. RTE. 607	SECTION (127) CR-2504	COUNTY KENDALL	TOTAL SHEETS 35	SHEET NO. 3
ILLINOIS FED. AID PROJECT			CONTRACT NO. 66F61	

REV

FILE NAME = X:\31805\31805_Civil\31805_52_ever\Yellaj_Run\Eng_Doc\General\03667611.pvt-500-02.dgn

CODE NO.	ITEM	UNIT	RURAL CONSTRUCTION CODE	
			80% FED	20% STATE
			0004	SN 047-2583
28100107	STONE RIPRAP, CLASS A4	SQ YD	406	
28200200	FILTER FABRIC	SQ YD	406	
31100300	SUBBASE GRANULAR MATERIAL, TYPE A 4"	SQ YD	155	
35501316	HOT-MIX ASPHALT BASE COURSE, 8"	SQ YD	155	
35600717	HOT-MIX ASPHALT BASE COURSE WIDENING, 10 1/4"	SQ YD	182	
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	1,134	
40600627	LEVELING BINDER (MACHINE METHOD), IL-9.5FG, N50	TON	45	
40603310	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	TON	90	
44000100	PAVEMENT REMOVAL	SQ YD	187	
44000158	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"	SQ YD	1,062	
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	9	
48203029	HOT-MIX ASPHALT SHOULDERS, 8"	SQ YD	600	
50100100	REMOVAL OF EXISTING STRUCTURES	EACH	1	
50200100	STRUCTURE EXCAVATION	CU YD	578	

14

• SPECIALTY ITEM

USER NAME = egibson	DESIGNED - ALG	REVISED -
	DRAWN - TMB	REVISED -
PLOT SCALE = 2,000' / in.	CHECKED - JNR	REVISED -
PLOT DATE = 8/8/2017	DATE - 8/11/2017	REVISED -



STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES	
SCALE:	SHEET 2 OF 5 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
607	(127) CR-2504	KENDALL	35	4
CONTRACT NO. 66F61			ILLINOIS FED. AID PROJECT	

REV

RURAL

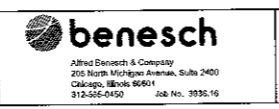
CONSTRUCTION CODE
80% FED
20% STATE
0004
SN 047-2583

CODE NO.	ITEM	UNIT	QUANTITY
51500100	NAME PLATES	EACH	1
52200020	TEMPORARY SOIL RETENTION SYSTEM	SQ FT	137
54001001	BOX CULVERT END SECTIONS, CULVERT NO. 1	EACH	2
54010907	PRECAST CONCRETE BOX CULVERTS 9' X 7'	FOOT	115
63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	212.5
63000370	LONG-SPAN GUARDRAIL OVER CULVERT, 25 FT SPAN	FOOT	100
63100169	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) FLARED	EACH	4
63200310	GUARDRAIL REMOVAL	FOOT	627
64200108	SHOULDER RUMBLE STRIPS, 8 INCH	FOOT	593
66600105	FURNISHING AND ERECTING RIGHT OF WAY MARKERS	EACH	8
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	3
67100100	MOBILIZATION	LSUM	1
70100405	TRAFFIC CONTROL AND PROTECTION, STANDARD 701321	EACH	1
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	LSUM	1

• SPECIALTY ITEM

FILE NAME = X:\9885\3938\Civil\1115 52 over Valley Run\Eng\Draws\General\0366F61-wt-900-03.dgn

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PLOT SCALE = 2.0000' / in.	DRAWN - TMB	REVISED -
PLOT DATE = 8/8/2017	CHECKED - JNR	REVISED -
	DATE - 8/11/2017	REVISED -



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES	
SCALE:	SHEET 3 OF 5 SHEETS STA. TO STA.


F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
607	(127) CR-2504	KENDALL	35	5
CONTRACT NO. 66F61				
ILLINOIS FED. AID PROJECT				

REV

FILE NAME = X:\3909a\3909a\Civil\GIS BZ cover\Killing Run\Eng\Draws\General\026651-INT-500-04.dgn

CODE NO.	ITEM	RURAL	CONSTRUCTION CODE
			80% FED 20% STATE
			00 04 SN 047-2583
70100500	TRAFFIC CONTROL AND PROTECTION, STANDARD 701326	LSUM	1
70106500	TEMPORARY BRIDGE TRAFFIC SIGNALS	EACH	1
70300100	SHORT TERM PAVEMENT MARKING	FOOT	167
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SO FT	84
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	800
70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	165
70400100	TEMPORARY CONCRETE BARRIER	FOOT	325.0
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	275.0
70600250	IMPACT ATTENUATORS, TEMPORARY (NON- REDIRECTIVE), TEST LEVEL 3	EACH	2
70600350	IMPACT ATTENUATORS, RELOCATE (NON- REDIRECTIVE), TEST LEVEL 3	EACH	2
• 72501000	TERMINAL MARKER - DIRECT APPLIED	EACH	4
• 78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	1,600
• 78001130	PAINT PAVEMENT MARKING - LINE 6"	FOOT	335
• 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	8

• SPECIALTY ITEM

USER NAME = agibson	DESIGNED - ALG	REVISED -	 <p>Alfred Benesch & Company 255 North Michigan Avenue, Suite 2400 Chicago, Illinois 60601 312-665-0400 Job No. 3991.10</p>	<p align="center">STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</p>	<p align="center">SUMMARY OF QUANTITIES</p>		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PLDT SCALE = 2.0000' / in.	DRAWN - TMB	REVISED -					607	(127) CR-2504	KENDALL	35	6
PLDT DATE = 8/8/2017	CHECKED - JNR	REVISED -			SCALE:	SHEET 4 OF 5 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT		CONTRACT NO. 66F61

REV

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CODE NO.	ITEM	UNIT	CONSTRUCTION CODE
			80% FED 20% STATE
			00 04 SN 047-2583
78200005	GUARDRAIL REFLECTORS, TYPE A	EACH	8
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	8
X0322128	MEMBRANE WATERPROOFING FOR BURIED STRUCTURES	SQ YD	157
X0327980	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	435
X7040125	PINNING TEMPORARY CONCRETE BARRIER	EACH	54
Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	42

• SPECIALTY ITEM

USER NAME = egibson	DESIGNED - ALG	REVISED -
PLLOT SCALE = 2,0000' / 1"	DRAWN - TMB	REVISED -
PLLOT DATE = 8/9/2017	CHECKED - JNR	REVISED -
	DATE - 8/11/2017	REVISED -

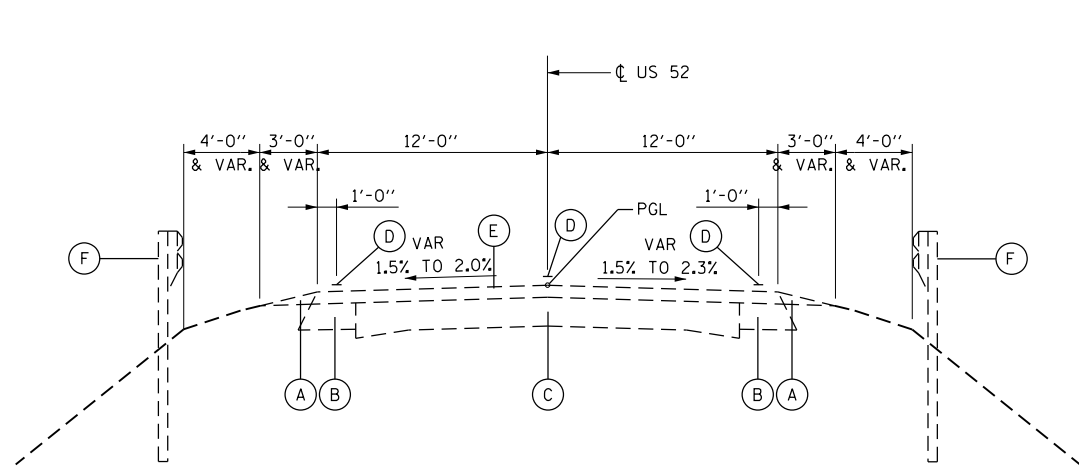


STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES			
SCALE:	SHEET 5 OF 5 SHEETS	STA.	TO STA.

F.A.P. RTE. 607	SECTION (127) CR-2504	COUNTY KENDALL	TOTAL SHEETS 35	SHEET NO. 7
ILLINOIS FED. AID PROJECT			CONTRACT NO. 66F61	

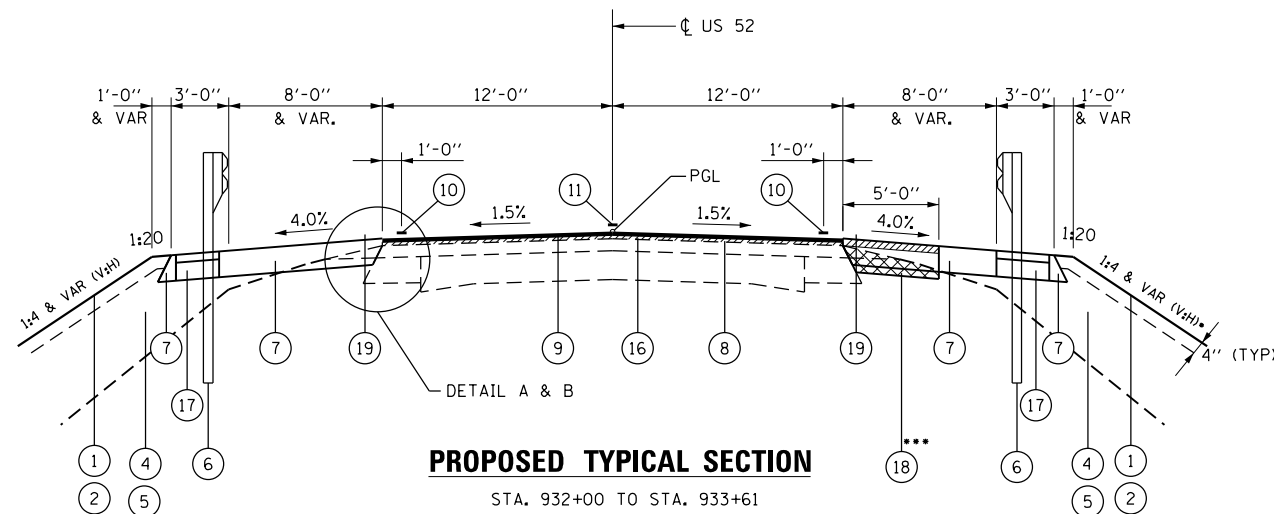
REV



EXISTING TYPICAL SECTION

STA. 932+00 TO STA. 936+00

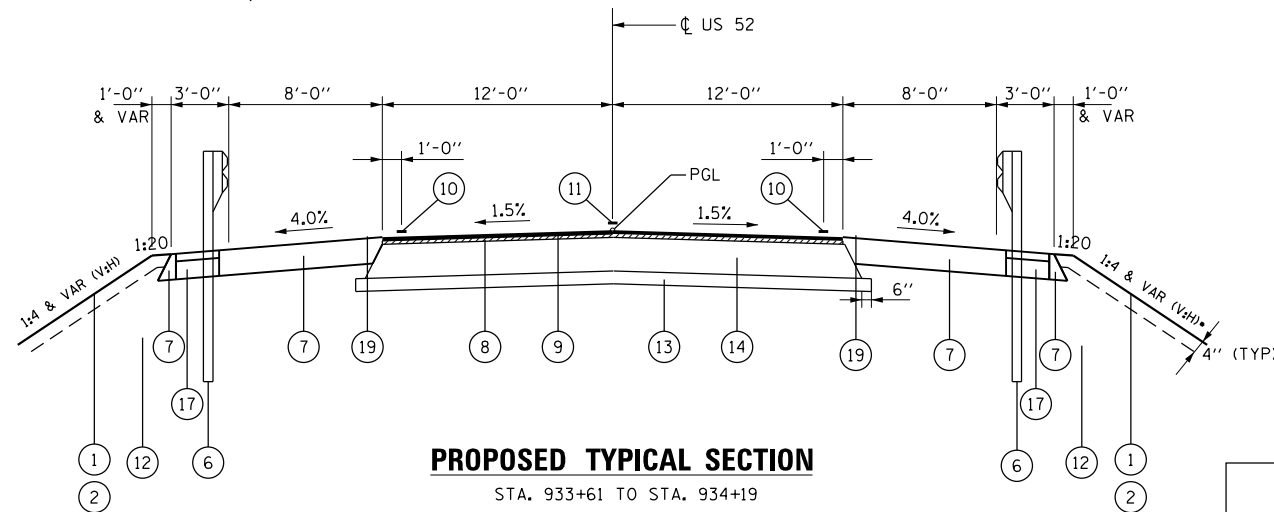
EXISTING CULVERT LIMITS
S.N. 047-2504
STA. 933+80.29 TO STA. 933+99.71



PROPOSED TYPICAL SECTION

STA. 932+00 TO STA. 933+61
STA. 934+19 TO STA. 936+00
... STA. 932+21 TO STA. 935+49

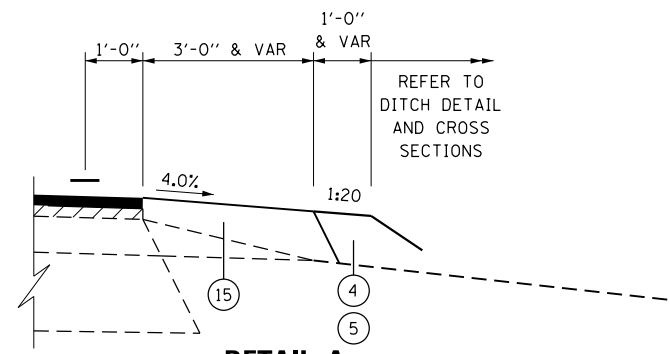
EARTH EXCAVATION FOR HMA BASE COURSE
WIDENING PRIOR TO STAGE I - STA. 932+21
TO STA. 935+49, SEE SHEETS 13 & 14



PROPOSED TYPICAL SECTION

STA. 933+61 TO STA. 934+19

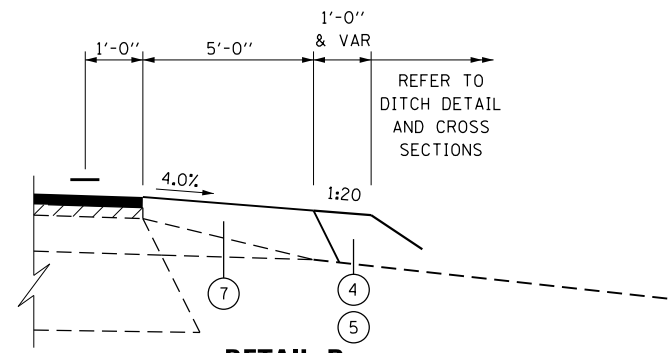
PROPOSED CULVERT LIMITS
S.N. 047-2583
STA. 933+79.37 TO STA. 934+00.63



DETAIL A

STA. 932+00 TO STA. 932+21 (NB)
STA. 932+00 TO STA. 932+09 (SB)
STA. 935+41 TO STA. 936+15 (SB)
STA. 935+49 TO STA. 936+00 (NB)

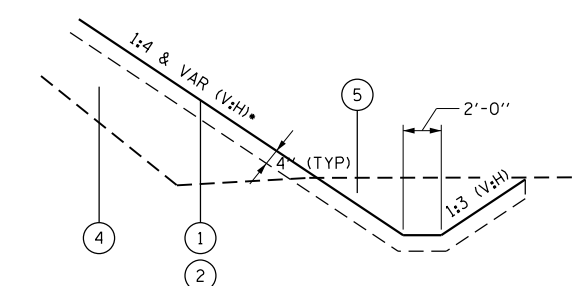
3' AGGREGATE WEDGE SHOULDER, TYPE B
TO BE PLACED OUTSIDE OF PROPOSED HMA
LIMITS (TYP. EACH SHOULDER).
SEE SHEET 11 FOR LOCATIONS.



DETAIL B

STA. 932+09 TO STA. 932+76 (SB)

SEE SHEET 11 FOR MORE DETAIL.



DITCH DETAIL

- FRONT SLOPE SHALL BE 1:2 MIN. (V:H) BEHIND GUARDRAIL, AND 1:4 MIN. IN NON-GUARDRAIL SECTIONS.
- TRANSITION SLOPE TO 1:2 (V:H) BEHIND THE CULVERT WINGWALLS AND HEADWALL. SEE CULVERT PLANS FOR DETAILS.
- HOT-MIX ASPHALT BASE COURSE WIDENING, 10 1/4" IS TO BE PLACED AT LIMITS NOTED.

LEGEND

- (A) EXISTING AGGREGATE SHOULDER, TYPE B
- (B) EXISTING BITUMINOUS BASE COURSE WIDENING, 9"
- (C) EXISTING P.C.C. PAVEMENT
- (D) EXISTING PAVEMENT MARKING
- (E) EXISTING BITUMINOUS OVERLAY, 7 3/4"
- (F) EXISTING GUARDRAIL (TO BE REMOVED)
- (1) SEEDING, CLASS 2
- (2) EROSION CONTROL BLANKET OR HEAVY DUTY EROSION CONTROL BLANKET
- (3) NOT USED
- (4) FURNISHED EXCAVATION
- (5) EARTH EXCAVATION
- (6) STEEL PLATE BEAM GUARD RAIL, TYPE A (SEE SHEET 11 FOR LIMITS)
- (7) HOT-MIX ASPHALT SHOULDERS, 8"
- (8) LEVELING BINDER (MACHINE METHOD), N50, 3/4"
- (9) HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50, 1 1/2"
- (10) PAINT PAVEMENT MARKING - LINE, 4" SOLID WHITE
- (11) PAINT PAVEMENT MARKING - LINE, 6" DASHED YELLOW
- (12) POROUS GRANULAR EMBANKMENT (SEE CULVERT PLANS FOR DETAILS)
- (13) SUB-BASE GRANULAR MATERIAL, TYPE A 4"
- (14) HOT-MIX ASPHALT BASE COURSE, 8"
- (15) AGGREGATE WEDGE SHOULDER, TYPE B
- (16) HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"
- (17) HMA STABILIZATION AT STEEL PLATE BEAM GUARDRAIL (PAID AS HOT-MIX ASPHALT SHOULDERS, 8")
- (18) HOT-MIX ASPHALT BASE COURSE WIDENING, 10 1/4"
- (19) SHOULDER RUMBLE STRIPS, 8 INCH

NOTES:

1. HMA BASE COURSE WIDENING PLACED IN STAGE I TO BE REMOVED IN STAGE II FROM STA 933+61 TO 933+19. SEE MAINTENANCE OF TRAFFIC PLANS. REMAINING WIDENING TO STAY IN PLACE. MILL AND RESURFACE 2 1/4" WIDENING THAT REMAINS.

HMA MIX DESIGN TABLE

LOCATION(S):	ENTIRE PROJECT	ENTIRE PROJECT	ENTIRE PROJECT	ENTIRE PROJECT
	HMA BASE COURSE WIDENING	HMA BASE COURSE & BOTTOM 6.5" HMA SHOULDERS	HMA LEVEL BINDER	HMA SURFACE COURSE & TOP 1.5" HMA SHOULDERS
BINDER GRADE (PG):	PG64-22	PG64-22	PG64-22	PG64-22
DESIGN AIR VOIDS:	4.0% @ N50	4.0% @ N50	4.0% @ N50	4.0% @ N50
MIXTURE COMPOSITION:	IL 19.0	IL 19.0	IL 9.5FG	IL 9.5
FRICTION AGGREGATE	N/A	N/A	N/A	MIXTURE C
MIXTURE WEIGHT:	112LB/SQ YD/IN	112LB/SQ YD/IN	112LB/SQ YD/IN	112LB/SQ YD/IN
QUALITY MANAGEMENT PROGRAM:	QC/OA	QC/OA	QC/OA	QC/OA
SUBLOT SIZE	N/A	N/A	N/A	N/A
DENSITY TEST METHOD	CORES	CORES	% GROWTH CURVE	CORES

FILE NAME = X:\3908a\3938a\Civil\11\US 52 over Valley Run\Eng\Docs\General\0366F61-shr-typicalSections.dgn

USER NAME = agtbsn	DESIGNED - ALG	REVISED -
	DRAWN - TMB	REVISED -
PLOT SCALE = 10.0000" / in.	CHECKED - JNR	REVISED -
PLOT DATE = 8/8/2017	DATE - 8/11/2017	REVISED -



**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TYPICAL SECTIONS

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

F.A.P. RTE. 607	SECTION (127) CR-2504	COUNTY KENDALL	TOTAL SHEETS 35	SHEET NO. 8
CONTRACT NO. 66F61				
ILLINOIS FED. AID PROJECT				

EARTHWORK

LOCATION		EARTH EXCAVATION		EMBANKMENT VOLUME	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-)
		EARTH EX	ADJUSTMENT FOR SHRINKAGE		
FROM	TO	CU YD	CU YD	CU YD	CU YD
931+75	932+00	13.79	10.34	8.88	1.46
932+00	932+50	74.89	56.17	61.73	-5.56
932+50	933+00	101.4	76.08	116.56	-40.48
933+00	933+50	79.90	59.93	143.43	-83.50
933+50	933+90	15.29	11.47	52.49	-41.03
933+90	934+00	0.00	0.00	1.79	-1.79
934+00	934+50	97.54	73.16	178.21	-105.05
934+50	935+00	113.74	85.30	227.88	-142.58
935+00	935+50	93.85	70.39	162.42	-92.04
935+50	936+00	69.80	52.35	88.47	-36.13
936+00	936+25	16.18	12.14	17.95	-5.82
TOTAL		680	510	1,060	-555

(1) QUANTITY OF EARTH EXCAVATION IS ADJUSTED FOR A SHRINKAGE FACTOR OF 25%
 (2) (-) QUANTITY OF FILL NEEDED, (+) QUANTITY TO WASTE
 (3) TOTAL QUANTITIES ROUNDED TO MULTIPLE OF 5

FURNISHED EXCAVATION	120	CU YD
----------------------	-----	-------

STRUCTURE EXCAVATION = 578 CU YD • 0.75 = 433.50 CU YD
 FURNISHED EXCAVATION = EARTHWORK BALANCE - STRUCTURE EXCAVATION

TEMPORARY EROSION CONTROL

LOCATION		TEMPORARY EROSION CONTROL SEEDING	TEMPORARY DITCH CHECKS	PERIMETER EROSION BARRIER	TEMPORARY EROSION CONTROL BLANKET
FROM	TO	POUND	FOOT	FOOT	SQ YD
932+00	936+00	50	66	748	2,512

WORK ZONE TRAFFIC CONTROL

LOCATION		TEMPORARY CONCRETE BARRIER	RELOCATE TEMPORARY CONCRETE BARRIER	IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3	IMPACT ATTENUATORS, RELOCATE (NON-REDIRECTIVE), TEST LEVEL 3	PINNING TEMPORARY CONCRETE BARRIER
FROM	TO	FOOT	FOOT	EACH	EACH	EACH
932+00	936+00	325.0	275.0	2	2	54

PAVEMENT REMOVAL

LOCATION		PAVEMENT REMOVAL	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"
FROM	TO	SQ YD	SQ YD
932+00	933+61	-	429
933+61	934+19	187	-
934+19	936+00	-	483
932+21	935+49	-	150
TOTAL		187	1,062

PAVEMENT AND SHOULDERS

LOCATION		HOT-MIX ASPHALT BASE COURSE WIDENING, 10 1/4"	HOT-MIX ASPHALT BASE COURSE, 8"	BITUMINOUS MATERIALS (TACK COAT)	LEVELING BINDER (MACHINE METHOD), IL-9.5FG, N50	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50 (1 1/2")	HOT-MIX ASPHALT SHOULDERS, 8"	AGGREGATE WEDGE SHOULDER, TYPE B	SUBBASE GRANULAR MATERIAL, TYPE A 4"	SHOULDER RUMBLE STRIPS, 8 INCH
FROM	TO	SQ YD	SQ YD	POUND	TON	TON	SQ YD	TON	SQ YD	FOOT
932+00	936+00	182	155	1,134	45	90	600	9	155	593

PAVEMENT MARKING

LOCATION		PAINT PAVEMENT MARKING - LINE 4" WHITE •	PAINT PAVEMENT MARKING - LINE 6" YELLOW •	TEMPORARY PAVEMENT MARKING - LINE 4"	TEMPORARY PAVEMENT MARKING - LINE 6"	SHORT TERM PAVEMENT MARKING	SHORT TERM PAVEMENT MARKING REMOVAL	RAISED REFLECTIVE PAVEMENT MARKER	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	PAVEMENT MARKING REMOVAL - WATER BLASTING
FROM	TO	FOOT	FOOT	FOOT	FOOT	FOOT	SQ FT	EACH	EACH	SQ FT
932+00	936+00	1,600	335	800	165	167	84	8	8	435

• TWO SEPARATE APPLICATIONS

GUARDRAIL

LOCATION			STEEL PLATE BEAM GUARDRAIL, TYPE A 6 FOOT POST	LONG-SPAN GUARDRAIL OVER CULVERT, 25 FT SPAN	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) FLARED	GUARDRAIL REMOVAL	TERMINAL MARKER - DIRECT APPLIED	GUARDRAIL REFLECTORS, TYPE A
FROM	TO	LT/RT	FOOT	FOOT	EACH	FOOT	EACH	EACH
932+00	936+00	RT	106.25	50	2	263	2	4
932+00	936+00	LT	106.25	50	2	364	2	4
TOTAL			212.5	100	4	627	4	8

EROSION CONTROL

LOCATION		SEEDING, CLASS 2	NITROGEN FERTILIZER NUTRIENT	PHOSPHORUS FERTILIZER NUTRIENT	POTASSIUM FERTILIZER NUTRIENT	EROSION CONTROL BLANKET	STONE RIPRAP, CLASS A4 •	FILTER FABRIC •
FROM	TO	ACRE	POUND	POUND	POUND	SQ YD	SQ YD	SQ YD
932+00	936+00	0.50	45	45	45	2,512	190	190

• SEE CULVERT PLANS FOR ADDITIONAL QUANTITY

TREE REMOVAL

LOCATION			TREE REMOVAL
STATION	OFFSET	RT/LT	UNIT
933+66.15	47.00	RT	18
933+69.90	50.34	RT	24
TOTAL			42

FILE NAME = X:\3900a\3900a\3900a\General\0366F61-ht-SC-H-01.dgn

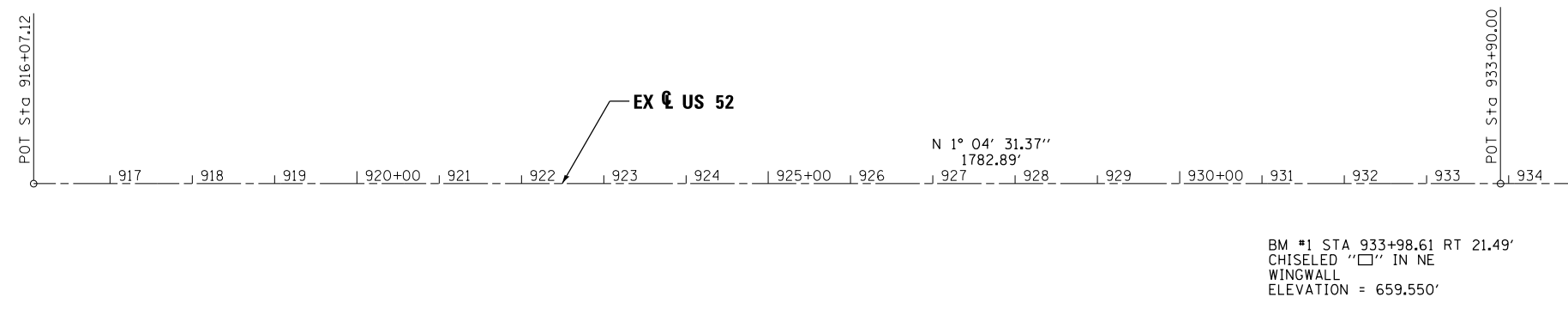
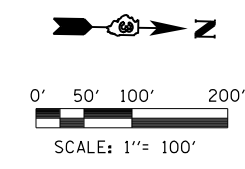
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PLOT SCALE = 2.0000' / 1"	DRAWN - TMB	REVISED -
PLOT DATE = 8/8/2017	CHECKED - JNR	REVISED -
	DATE - 8/11/2017	REVISED -



**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

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

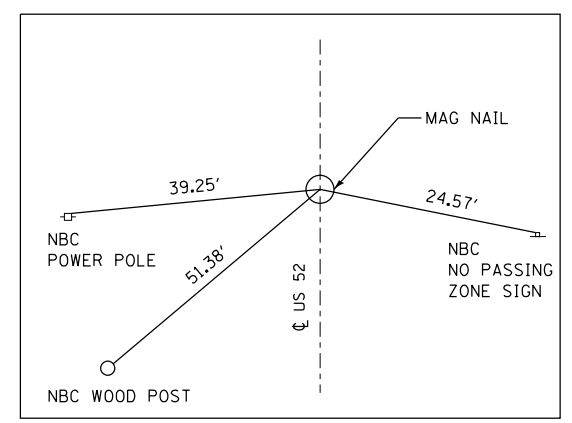
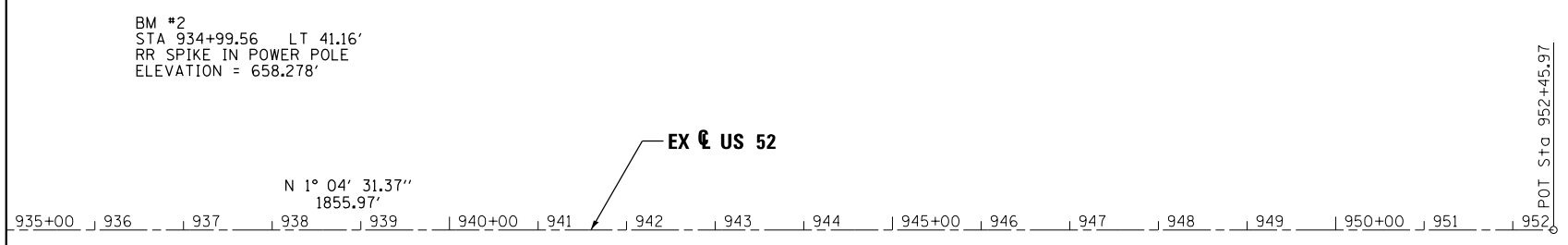
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
607	(127) CR-2504	KENDALL	35	9
			CONTRACT NO. 66F61	
ILLINOIS FED. AID PROJECT				



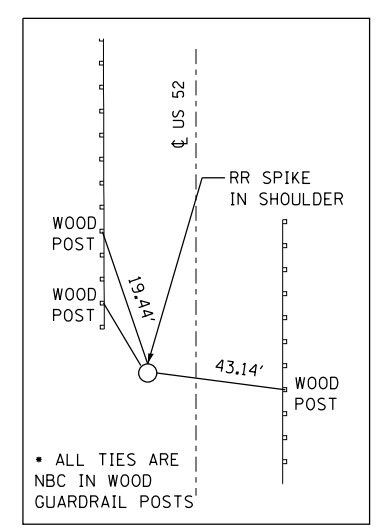
COORDINATE DATA			
STATION	NORTHING	EASTING	REMARKS
916+07.12	1,756,525.05	943,364.82	POT US 52
933+90.00	1,758,307.62	943,307.36	POT US 52
952+45.97	1,760,163.26	943,296.53	POT US 52

NOTE:
 BM #1 WILL BE REMOVED WHEN
 EXISTING CULVERT WINGWALL
 IS REMOVED

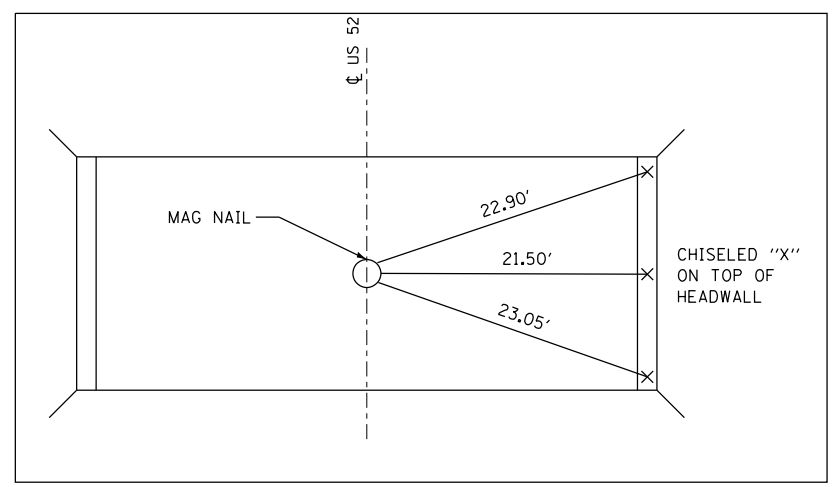
MATCH LINE STA 935 + 00



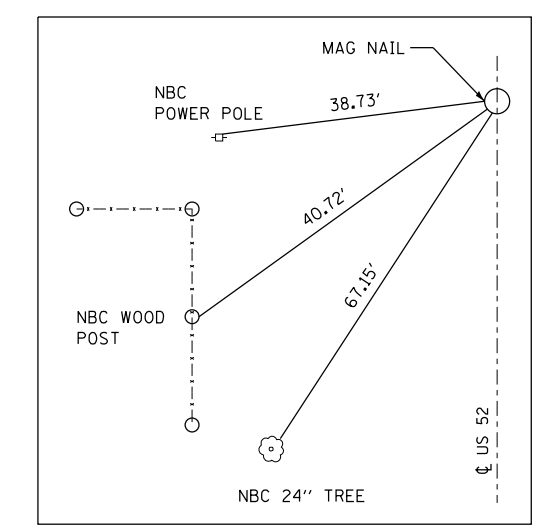
POT STA 925+00.00
NTS



POT STA 932+36.75 LT 19.55
NTS



POT STA 933+90 CL SN 047-2504
NTS



POT STA 947+00.00
NTS

FILE NAME = X:\3908a\3938\1\US 52 over Valley Run\Eng\Docs\General\0366F61-shr-01B-01.dgn

USER NAME = agibson	DESIGNED - ALG	REVISED -
PLOT SCALE = 200.0000' / in.	DRAWN - TMB	REVISED -
PLOT DATE = 8/8/2017	CHECKED - JNR	REVISED -
	DATE - 8/11/2017	REVISED -



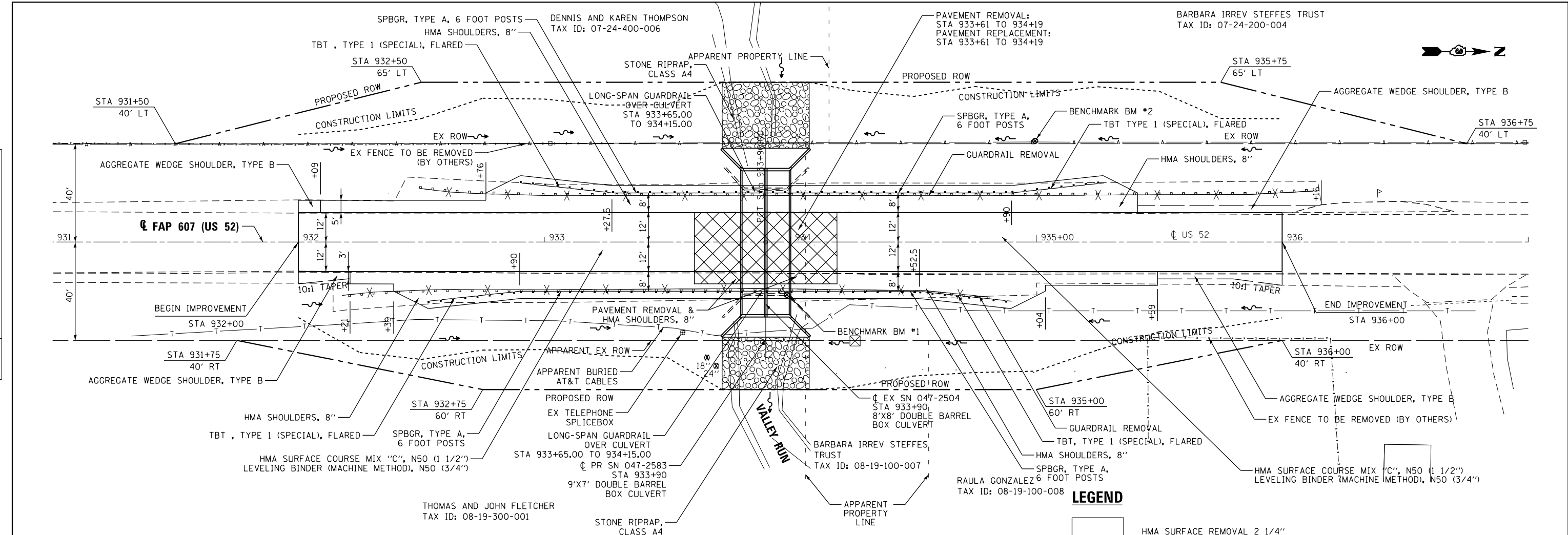
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ALIGNMENT, TIES AND BENCHMARKS			
SCALE: 1" = 100'	SHEET 1 OF 1 SHEETS	STA. N/A	TO STA. N/A

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
607	(127) CR-2504	KENDALL	35	10
			CONTRACT NO. 66F61	
ILLINOIS FED. AID PROJECT				

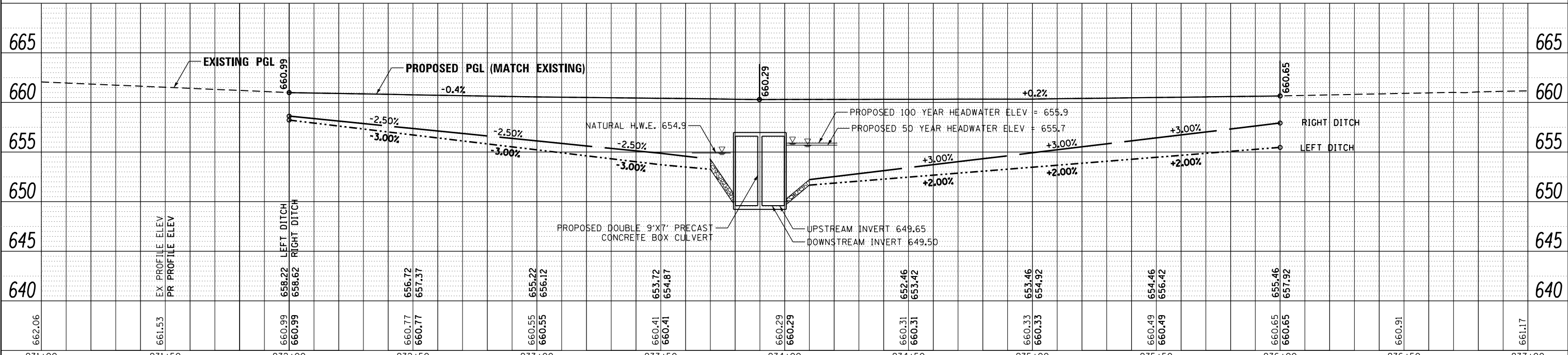
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	PLOTTED	
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	NOTE BOOK NO.	
	FILE NAME	

PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	NOTE BOOK NO.	
	FILE NAME	



LEGEND

- HMA SURFACE REMOVAL 2 1/4"
- PAVEMENT REMOVAL
- GUARDRAIL REMOVAL
- TREE REMOVAL



FILE NAME = x:\3989\3989\US 52 over Valley Run\Eng_Docs\Roadway\US52F61-int-pln-prf.dgn

931+00	931+50	932+00	932+50	933+00	933+50	934+00	934+50	935+00	935+50	936+00	936+50	937+00
662.06	661.53	660.99	660.77	660.55	660.41	660.29	660.31	660.33	660.49	660.65	660.91	661.17
EX PROFILE ELEV	PR PROFILE ELEV	LEFT DITCH	RIGHT DITCH									

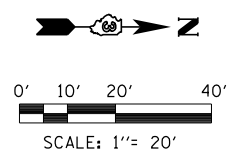
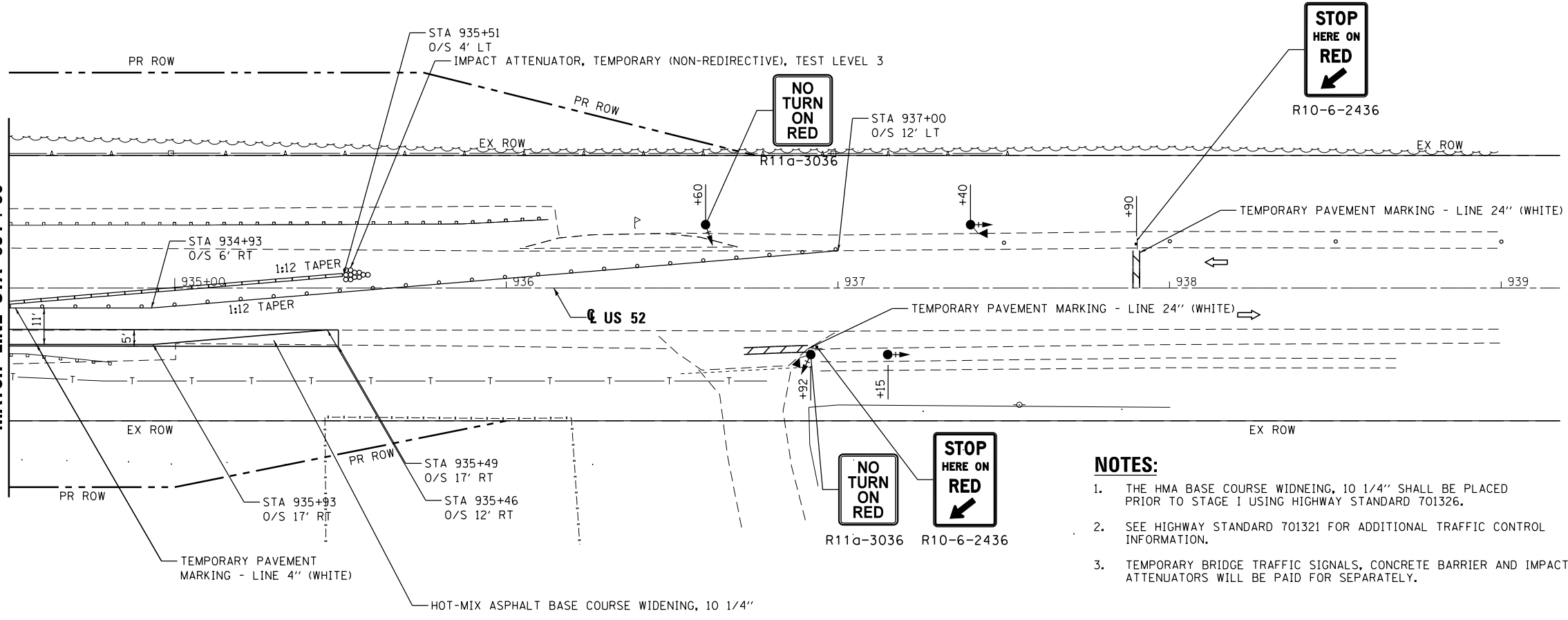
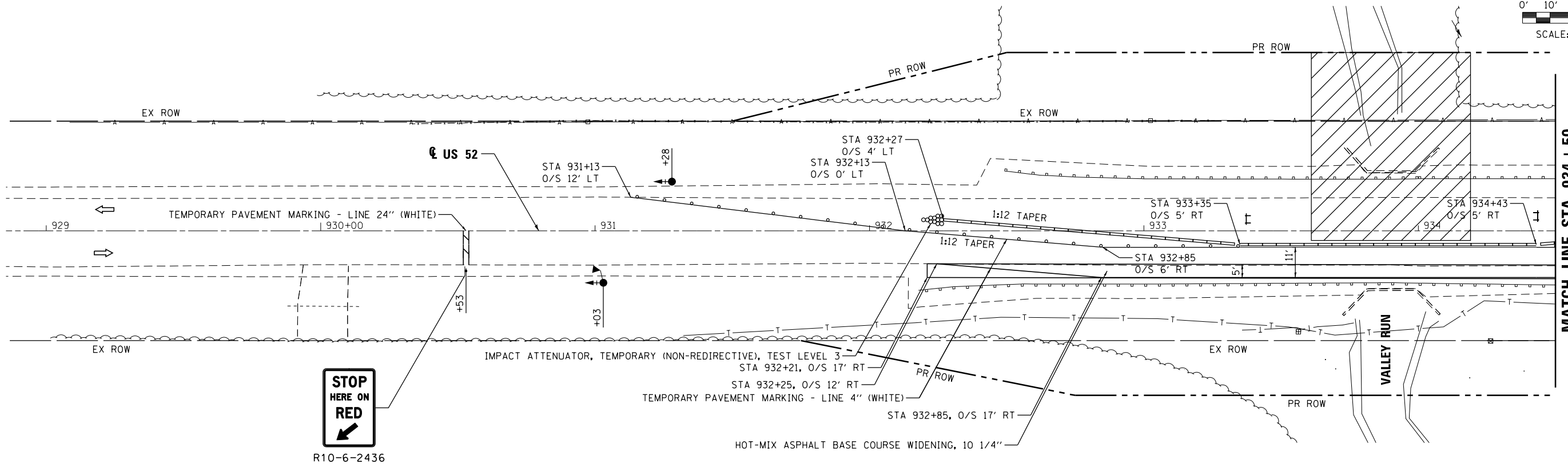
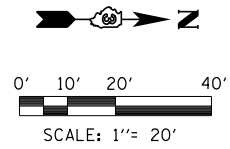
USER NAME = agibson	DESIGNED - ALG	REVISED -
	DRAWN - TMB	REVISED -
	CHECKED - JNR	REVISED -
	DATE - 8/11/2017	REVISED -

benesch
 Alfred Benesch & Company
 200 North Michigan Avenue, Suite 2400
 Chicago, Illinois 60601
 312-565-0450 Job No. 3938.16









**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

PLAN AND PROFILE			
US 52			
SCALE: 20	SHEET 1	OF 1 SHEETS	STA. 931+00 TO STA. 937+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
607	(127) CR-2504	KENDALL	35	11
CONTRACT NO. 66F61				
ILLINOIS FED. AID PROJECT				



LEGEND

-  WORK AREA
-  TEMPORARY CONCRETE BARRIER
-  DRUM WITH STEADY BURNING LIGHT
-  TRAFFIC SIGNAL WITH BACKPLATE
-  MICROWAVE DETECTOR
-  SIGN
-  TYPE III BARRICADE WITH FLASHING LIGHTS
-  IMPACT ATTENUATOR, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3

NOTES:

1. THE HMA BASE COURSE WIDENING, 10 1/4" SHALL BE PLACED PRIOR TO STAGE I USING HIGHWAY STANDARD 701326.
2. SEE HIGHWAY STANDARD 701321 FOR ADDITIONAL TRAFFIC CONTROL INFORMATION.
3. TEMPORARY BRIDGE TRAFFIC SIGNALS, CONCRETE BARRIER AND IMPACT ATTENUATORS WILL BE PAID FOR SEPARATELY.

FILE NAME = p:\110848\BID\INTEG\11\mstg\p\MIDOT\Documents\IDOT_Offices\District_3\Projects\0366F61\CAD\Drawings\CADsheets\0366F61-sh1-Mot-rpln-stage1.dgn

USER NAME = duncanbd	DESIGNED - ALG	REVISED - BDD 8/14/2017
PLOT SCALE = 40.0000' / in.	DRAWN - TMB	REVISED -
PLOT DATE = 8/14/2017	CHECKED - JNR	REVISED -
	DATE - 8/11/2017	REVISED -



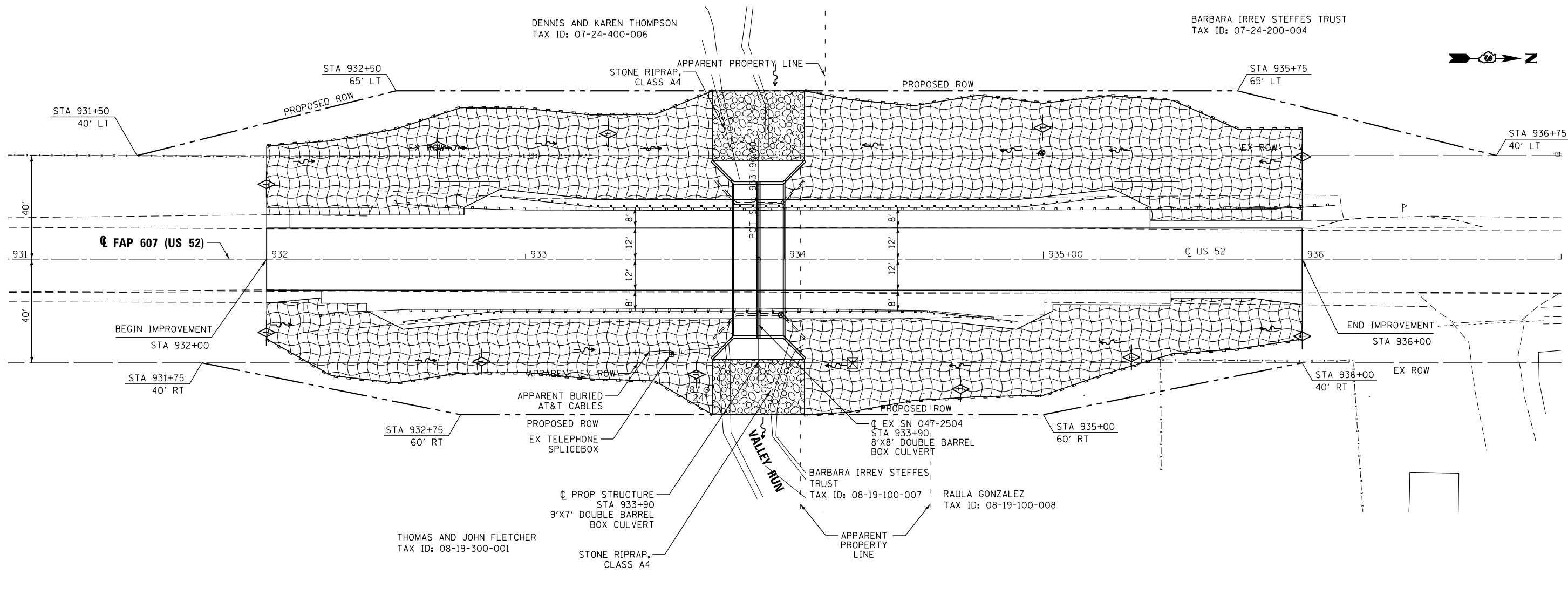
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC
STAGE I**


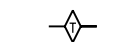

SCALE: 1" = 20' SHEET 1 OF 2 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
607	(127) CR-2504	KENDALL	35	12
CONTRACT NO. 66F61				
ILLINOIS FED. AID PROJECT				

FILE NAME = X:\3000a\3938\1\US 52 over Valley Run\Eng\Docs\Erosion\0366F61-ht-eros.dgn



LEGEND

-  TEMPORARY EROSION CONTROL BLANKET
-  TEMPORARY DITCH CHECK
-  PERIMETER EROSION BARRIER

USER NAME = agibson	DESIGNED - ALG	REVISED -
	DRAWN - TMB	REVISED -
PLOT SCALE = 40.0000' / in.	CHECKED - JNR	REVISED -
PLOT DATE = 8/8/2017	DATE - 8/11/2017	REVISED -



**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**EROSION CONTROL
US 52**

SCALE: 20 SHEET 1 OF 1 SHEETS STA. 931+00 TO STA. 937+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
607	(127) CR-2504	KENDALL	35	14
CONTRACT NO. 66F61				
ILLINOIS FED. AID PROJECT				

SE 1/4 OF SECTION 24, T. 35 N., R. 6 E., 3RD. P.M.

NE 1/4 OF SECTION 24, T. 35 N., R. 6 E., 3RD. P.M.

PARCEL 3YK0001

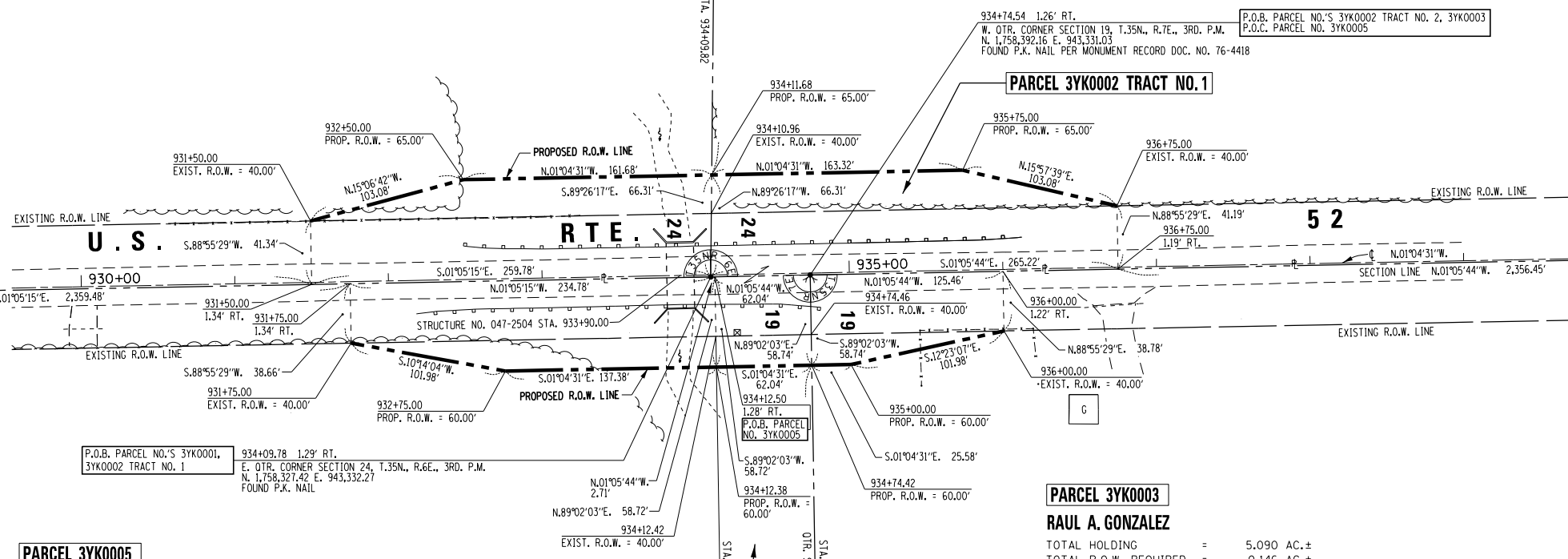
DENNIS L. THOMPSON, et ux.

TOTAL HOLDING = 39.950 AC.±
 TOTAL R.O.W. REQUIRED = 0.368 AC.±
 AREA IN EXISTING R.O.W. = 0.247 AC.±
 NET R.O.W. REQUIRED = 0.121 AC.±
 REMAINDER = 39.582 AC.±

PARCEL 3YK0002

BARBARA STEFFES PRICE, f/w BARBARA A. STEFFES, AS TRUSTEE

TOTAL HOLDING = 152.190 AC.±
 TOTAL R.O.W. REQUIRED TRACT NO. 1 = 0.373 AC.±
 TOTAL R.O.W. REQUIRED TRACT NO. 2 = 0.084 AC.±
 AREA IN EXISTING R.O.W. TRACT NO. 1 = 0.251 AC.±
 AREA IN EXISTING R.O.W. TRACT NO. 2 = 0.029 AC.±
 NET R.O.W. REQUIRED TRACT NO. 1 = 0.122 AC.±
 NET R.O.W. REQUIRED TRACT NO. 2 = 0.055 AC.±
 REMAINDER = 151.733 AC.±



PARCEL 3YK0005

JOHN K. FLETCHER, et al

TOTAL HOLDING = 80.000 AC.±
 TOTAL R.O.W. REQUIRED = 0.297 AC.±
 AREA IN EXISTING R.O.W. = 0.211 AC.±
 NET R.O.W. REQUIRED = 0.086 AC.±
 REMAINDER = 79.703 AC.±

PARCEL 3YK0002 TRACT NO. 2

PARCEL 3YK0003

RAUL A. GONZALEZ

TOTAL HOLDING = 5.090 AC.±
 TOTAL R.O.W. REQUIRED = 0.146 AC.±
 AREA IN EXISTING R.O.W. = 0.112 AC.±
 NET R.O.W. REQUIRED = 0.034 AC.±
 REMAINDER = 4.944 AC.±

SW 1/4 OF SECTION 19, T. 35 N., R. 7 E., 3RD. P.M.

NW 1/4 OF SECTION 19, T. 35 N., R. 7 E., 3RD. P.M.

SURVEYOR'S CERTIFICATE

I, GERRY L. WOLTERING, CERTIFY THAT I AM A PROFESSIONAL LAND SURVEYOR OF THE STATE OF ILLINOIS, AND THAT TO THE BEST OF MY KNOWLEDGE AND BELIEF, THE PLAT DRAWN HEREON IS A TRUE AND CORRECT REPRESENTATION OF A SURVEY DONE BY ME FOR THE STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION, AND THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN, AND THAT ALL MONUMENTS ARE OF THE CHARACTER AND OCCUPY THE POSITION SHOWN THEREON, AND ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY, AS APPLIED TO THE PREPARATION OF RIGHT OF WAY PLANS.

DATED: _____

GERRY L. WOLTERING
 ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-3491
 LICENSE RENEWAL DATE 11-30-2018

CENTER OF SECTION 19
 N. 1,758,459.22, E. 946,122.20
 FOUND IRON PIPE PER
 MONUMENT RECORD DOCUMENT
 NO. 2017-009198

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

ALL AREAS ARE BASED ON GROUND DISTANCES.
 GRID TO GROUND COMBINED FACTOR = 1.00004951
 TOTAL HOLDINGS TAKEN FROM ASSESSOR'S OFFICE
 SCALE IN FEET



PARCEL NO. 3YK0004 NOT USED



USER NAME = duncanbd	DESIGNED -	REVISED 6-5-17 COMBINED PARCELS 2 & 4
	DRAWN - GW	REVISED 6-19-17 NAME CHANGE (5) MKB
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED 7-7-17 ADDED MON. REC. NOS.
PLOT DATE = 8/14/2017	DATE - 03-17-17	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

RIGHT OF WAY PLANS

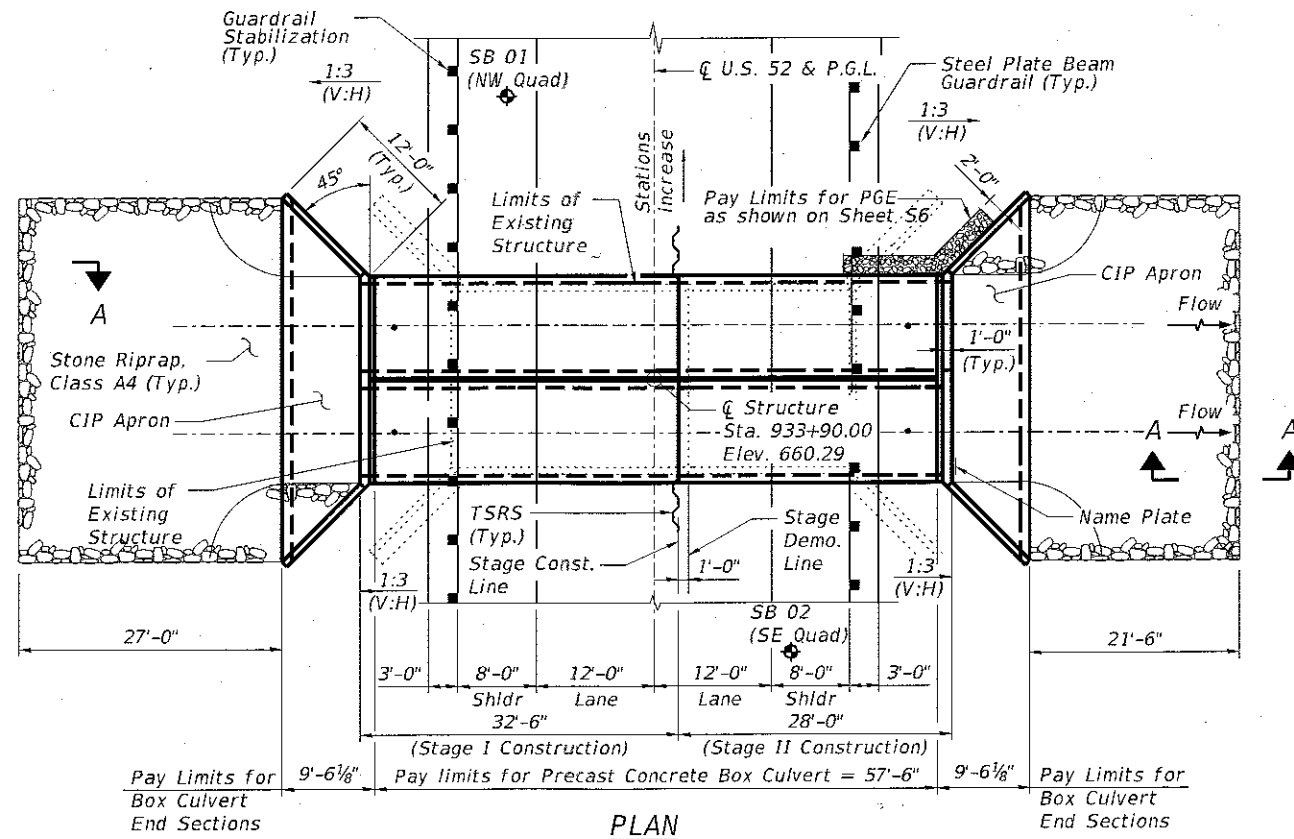
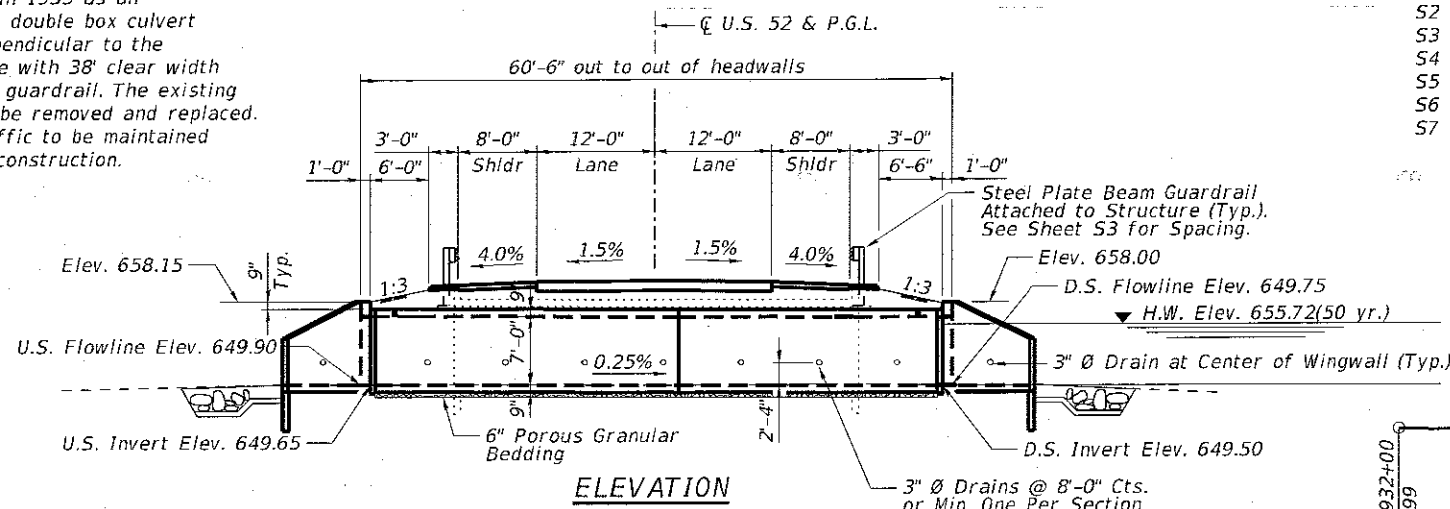
PROJECT	JOB NO. R93-004-17
SCALE: 1" = 50'	SHEET 1 OF 1 SHEETS
STA. 931+50.00	TO STA. 936+75.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
607	(127)CR-2504	KENDALL	35	15
CONTRACT NO. 66F61				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

Bench Mark: Chiseled "□" on NW Wingwall Sta. 933+98.61
21.49 Lt. Elevation 659.55

Existing Structure: S.N. 047-2504.
Originally built in 1935 as an
8' X 8' Concrete double box culvert
41'-4" long perpendicular to the
US 52 centerline with 38' clear width
face to face of guardrail. The existing
structure is to be removed and replaced.
One lane of traffic to be maintained
utilizing stage construction.

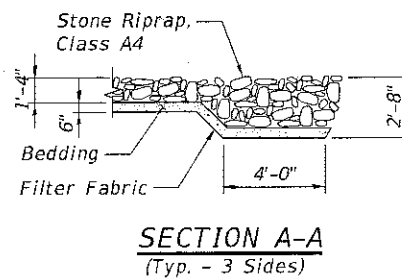
No salvage.



WATERWAY INFORMATION - DISTRICT APPROVED

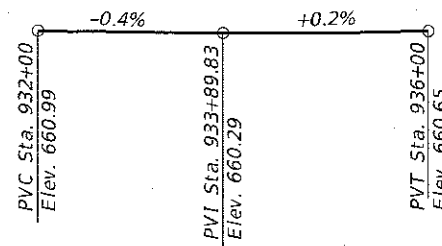
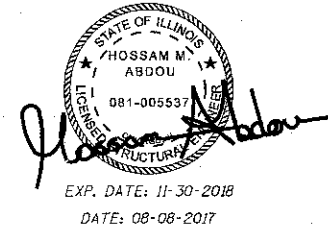
Drainage Area = 3.46 mi² Exist. & Prop. Low Grade Elev. 660.04 @ Sta. 934+00

Flood	Freq. Yr.	Q C.F.S.	Opening Sq. Ft.		Nat. H.W.E.	Head - Ft.		Headwater El.	
			Exist.	Prop.		Exist.	Prop.	Exist.	Prop.
	10	245	112	95	654.90	0.0	0.0	654.90	654.90
Hydraulic Design	50	423	124	109	655.70	0.0	0.0	655.70	655.72
Base/Scour Des.	100	528	127	113	655.90	0.0	0.0	655.90	655.90
Scour Check	200	603	128	116	656.10	0.1	0.0	656.20	656.10
Max. Calc.	500	714	128	119	656.30	0.4	0.2	656.70	656.50
Overtopping	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

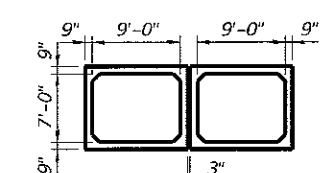


INDEX OF SHEETS

- S1 General Plan and Elevation
- S2 Stage Removal and Construction
- S3 Precast Box Details
- S4 Multi-cell Precast Concrete Box Culvert
- S5 Apron End Section Details
- S6 Section Through Box Culvert
- S7 Soil Borings



PROFILE GRADE US 52
(Along Centerline of Roadway)



SECTION THRU BARREL

DESIGN SPECIFICATIONS

AASHTO LRFD Bridge Design Specifications, 7th Edition with 2016 Interims

LOADING HL-93

Allow 50#/sq. ft. for future wearing surface.

Design fill height = > 2 ft.

DESIGN STRESSES

FIELD UNITS

f_c = 3,500 psi
f_y = 65,000 psi (Welded Wire Reinforcement)

PRECAST UNITS

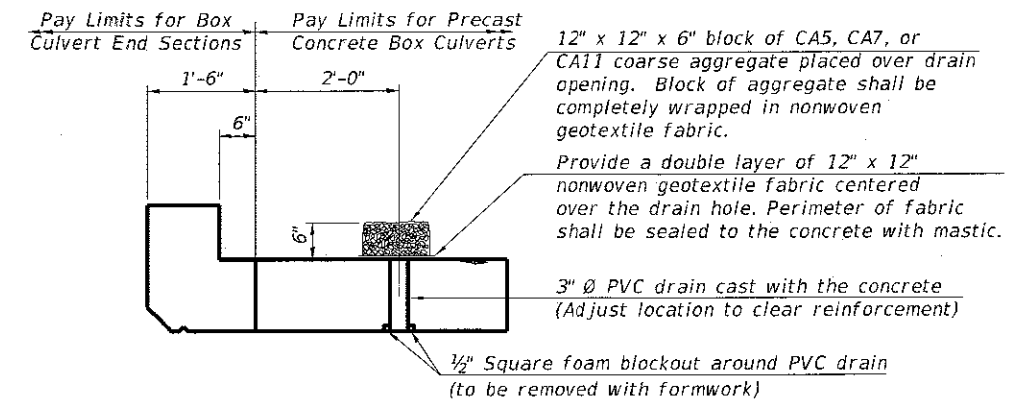
f_c = 5,000 psi
f_y = 65,000 psi (Welded Wire Reinforcement)

STATION 933+90
BUILT 20__ BY
STATE OF ILLINOIS
F.A.P. RT. 607 SEC. (127)CR-2504
LOADING HL-93
STR. NO. 047-2583

NAME PLATE
See Std. 515001

GENERAL NOTES

1. Reinforcement bars designated (E) shall be epoxy coated.
2. Layout of the slope protection system may be varied to suit ground conditions in the field as directed by the Engineer.
3. The design fill height for this box is 2.96 ft. The precast box culvert sections shall conform to the requirements of ASTM C 1577.
4. Drain holes shall be provided on exterior culvert walls for each precast box segment with a clear rise greater than 3 ft. The drain hole shall be located within 1/3 of the clear rise of the box culvert, shall not intercept the haunch, and shall conform to the requirements of Article 503.11 of the Standard Specification.
5. Lifting holes shall be filled with concrete plugs and mastic after box sections are in place.
6. Nonwoven geotextile fabric shall conform to the requirements of Art. 1080.01 of the Standard Specifications. The minimum weight of the fabric shall be 6 ounces per square yard. Precast concrete box culverts and box culvert end sections shall be backfilled with Porous Granular Embankment below the top of the box culvert extending to a vertical plane 2 ft from the exterior sides of the culvert, 2 ft from the back face of the end sections, and not closer than 2 ft from the face of embankment.
7. Class SI Concrete shall be used for cast-in-place concrete.
8. Exposed edges shall be beveled 3/4".
9. For backfilling and embankment see standard specifications.

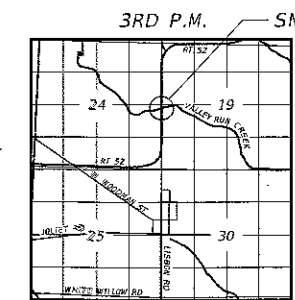


DRAIN DETAIL

(All costs associated with furnishing and constructing the above drain detail will not be measured for payment but shall be included in the contract unit price for the associated work.)

TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
Porous Granular Embankment	Cu. Yd.	537
Stone Riprap, Class A4	Sq. Yd.	216
Filter Fabric	Sq. Yd.	216
Removal of Existing Structures	Each	1
Structure Excavation	Cu. Yd.	578
Name Plates	Each	1
Temporary Soil Retention System	Sq. Ft.	137
Box Culvert End Sections, Culvert No. 1	Each	2
Precast Concrete Box Culverts 9' X 7'	Foot	115
Membrane Waterproofing for Buried Structures	Sq. Yd.	157



LOCATION SKETCH

GENERAL PLAN AND ELEVATION
US 52 OVER VALLEY RUN CREEK
F.A.P. 607 (US 52) - SEC. (127)CR-2504
KENDALL COUNTY
STATION 933+90.00
STRUCTURE NO. 047-2583



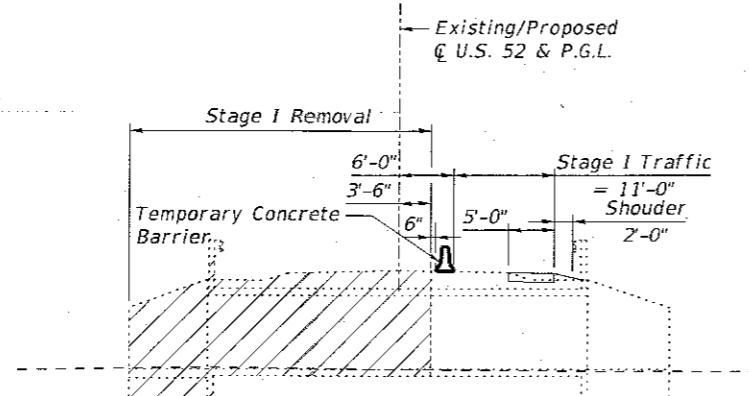
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

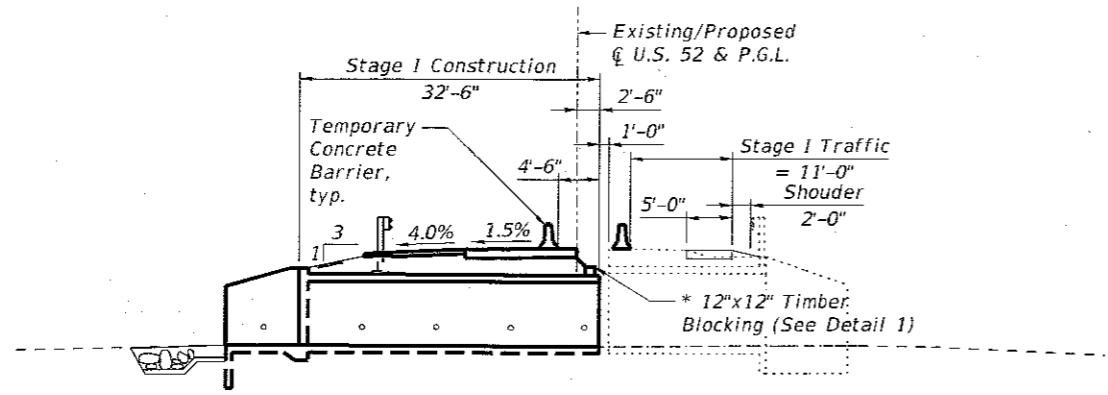
STRUCTURE NO. 047-2583

SHEET NO. 51 OF 57 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
607	(127)CR-2504	KENDALL	35	16
CONTRACT NO. 66F61				
ILLINOIS FED. AID PROJECT				

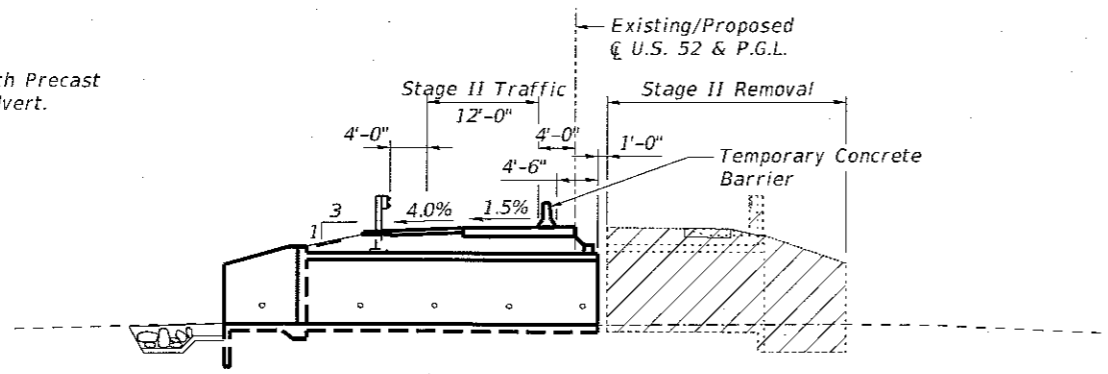


STAGE I REMOVAL

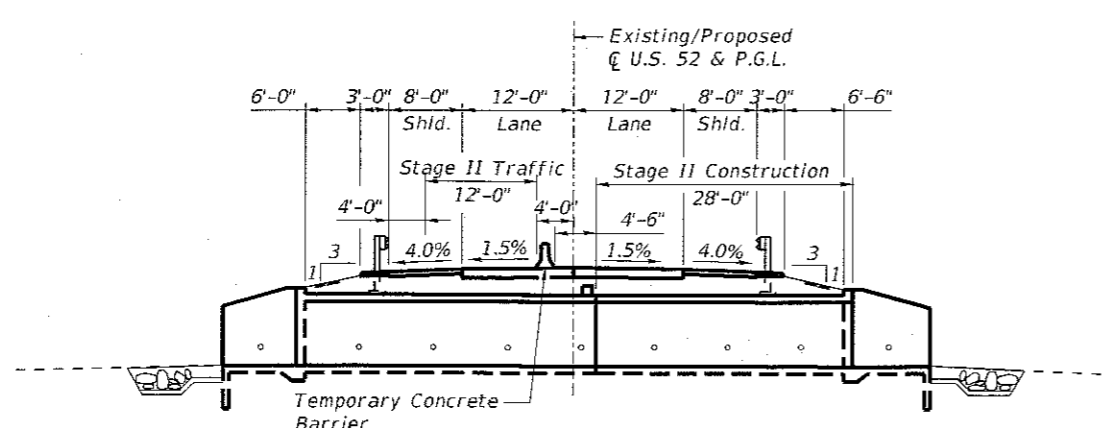


STAGE I CONSTRUCTION

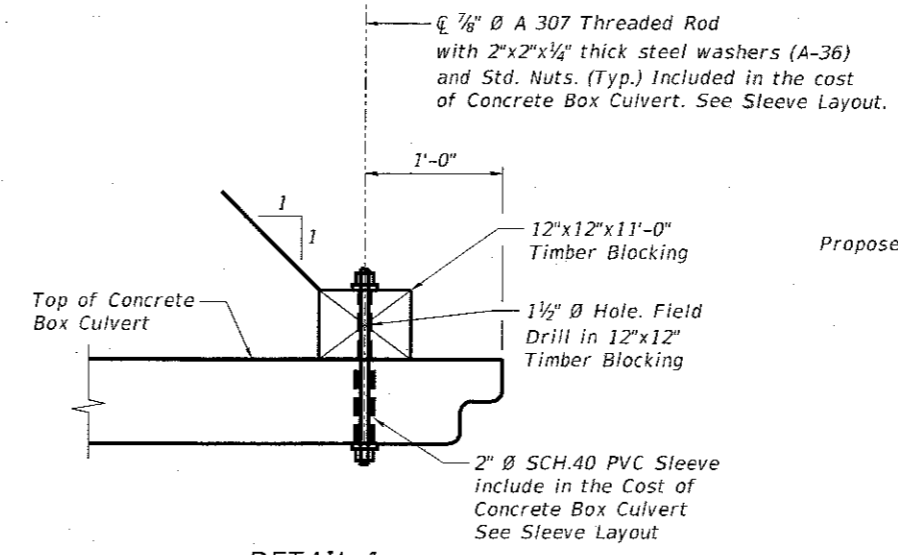
* Cost included with Precast Concrete Box Culvert.



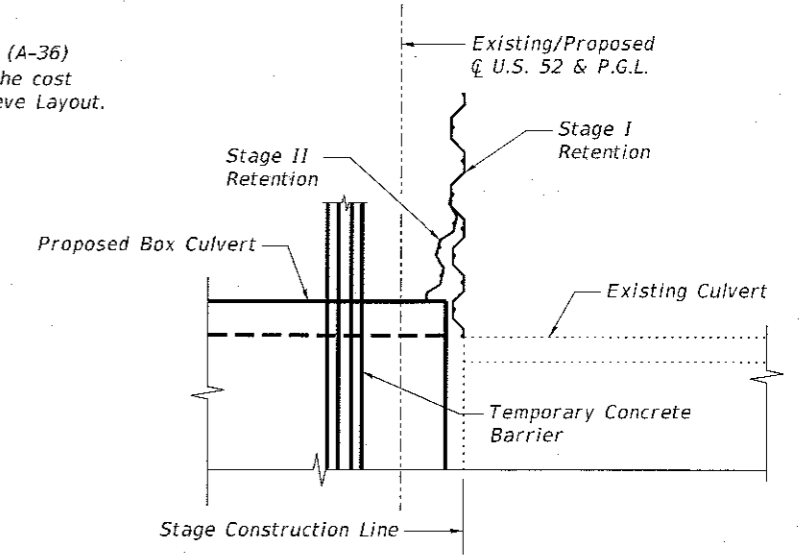
STAGE II REMOVAL



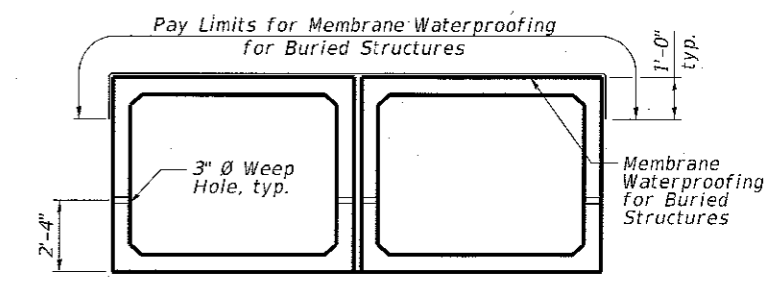
STAGE II CONSTRUCTION



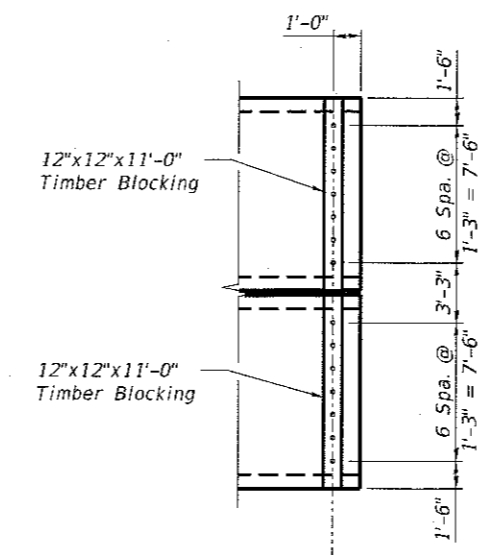
DETAIL 1



PART PLAN



MEMBRANE WATERPROOFING FOR PRECAST CULVERTS



SLEEVE LAYOUT

LEGEND

Indicates Removal of Existing Structure.

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 Chicago, Illinois 60601
 312-565-0450 Job No. 3938.16

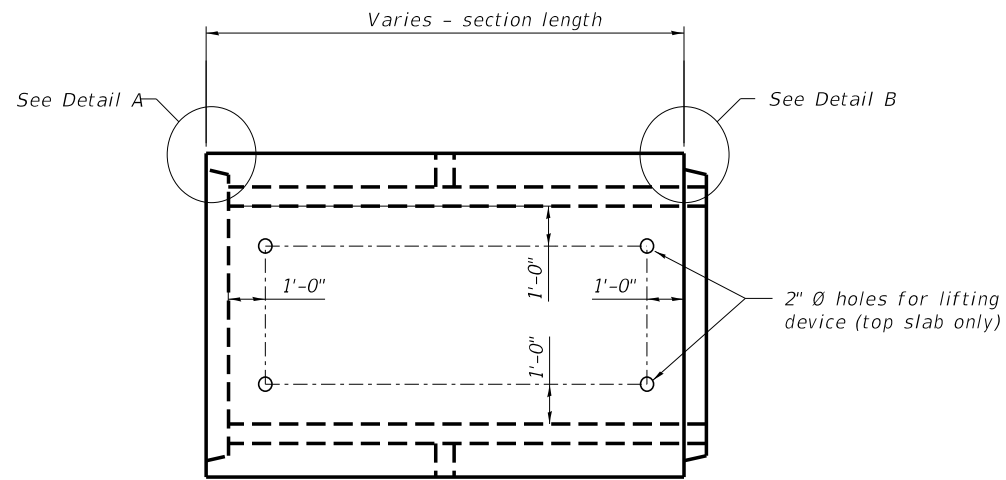
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PLOT DATE = 09/22/2017		DRAWN - RMG	REVISED -
		CHECKED - NG	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**STAGE REMOVAL AND CONSTRUCTION
 STRUCTURE NO. 047-2583**

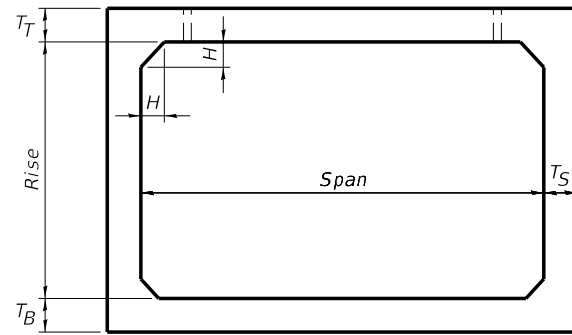
SHEET NO. 52 OF 57 SHEETS

F.A.P. RTE. 607	SECTION (127)CR-2504	COUNTY KENDALL	TOTAL SHEETS 35	SHEET NO. 17
				CONTRACT NO. 66F61
ILLINOIS FED. AID PROJECT				



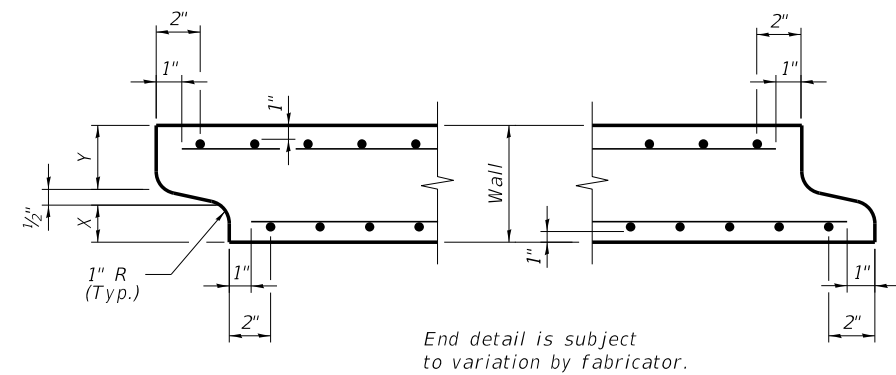
Note: Location of lifting holes may be varied as needed to clear reinforcement.

PLAN



Note: The haunch dimension h, is equal to the wall thickness T_S .

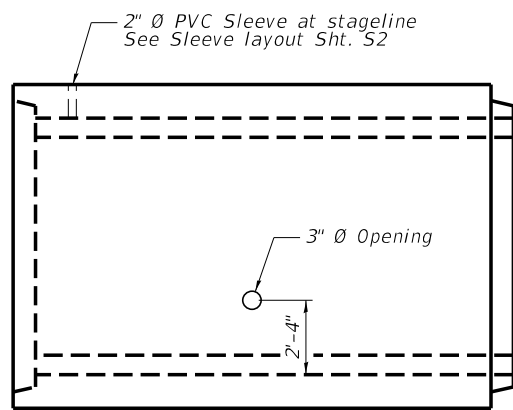
TYPICAL BOX SECTION



DETAIL A
(typ. inlet end)

DETAIL B
(typ. outlet end)

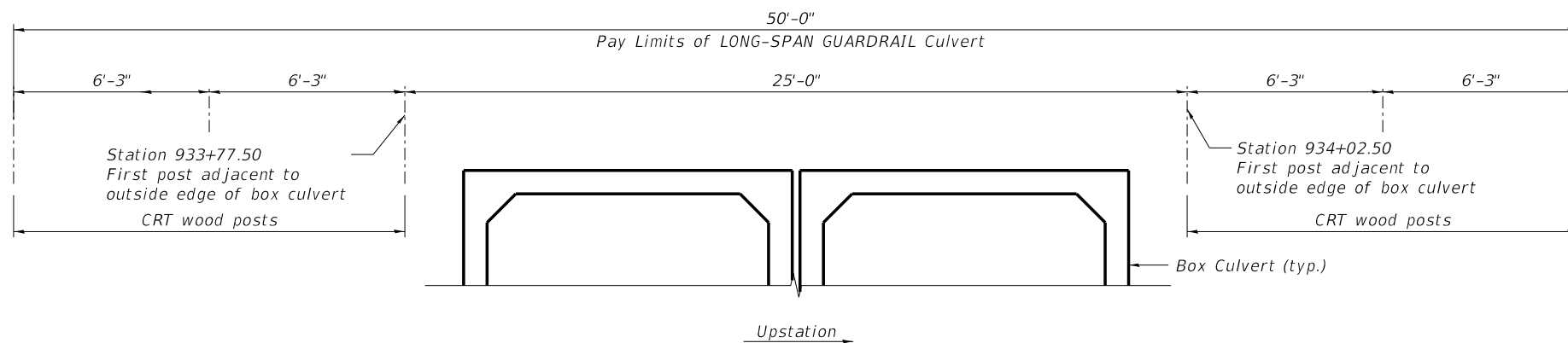
Note: Inlet and Outlet ends shall be compatible.



ELEVATION

Span Feet	T_T , inches		T_B , inches		T_S , inches	
	M 259	M 273	M 259	M 273	M 259	M 273
3	4	7	4	6	4	4
4	5	7½	5	6	5	5
5	6	8	6	7	6	6
6	7	8	7	7	7	7
7	8	8	8	8	8	8
8	8	8	8	8	8	8
9	9	9	9	9	9	9
10	10	10	10	10	10	10
11	11	11	11	11	11	11
12	12	12	12	12	12	12

TYPICAL THICKNESSES



GUARDRAIL OVER CULVERT

GENERAL NOTES:

Minimum cover for box culverts shall be 6".

Note A:

Guardrail Posts shall be laid out per IDOT Highway Standard 630106-02 unless noted otherwise.



Alfred Benesch & Company
205 North Michigan Avenue, Suite 2400
Chicago, Illinois 60601
312-565-0450 Job No. 3938.16

FILE NAME =
0472504-66F61-18-PrecastBox.dgn

USER NAME =
PLOT SCALE =
PLOT DATE = 08\08\2017

DESIGNED - NG
CHECKED - HMA
DRAWN - RMG
CHECKED - NG

REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PRECAST BOX DETAILS
STRUCTURE NO. 047-2583

SHEET NO. 53 OF 57 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
607	(127)CR-2504	KENDALL	35	18
CONTRACT NO. 66F61				

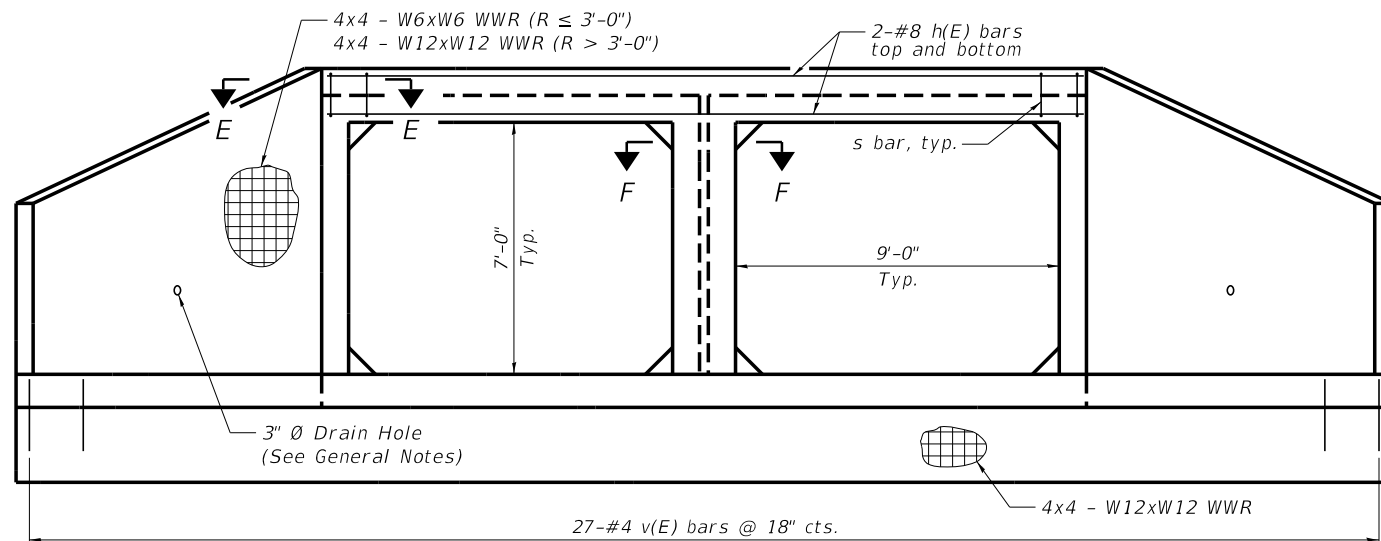
ILLINOIS FED. AID PROJECT

08\08\2017

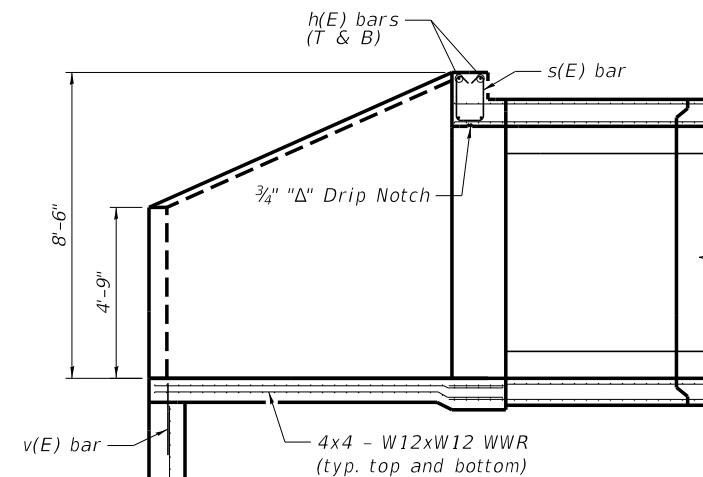
BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h(E)	8	#8	20'-11"	
s(E)	29	#4	3'-10"	
s1(E)	29	#4	3'-7"	
v(E)	54	#4	2'-0"	
Concrete Structures			Cu. Yd.	33.8
Reinforcement Bars, Epoxy Coated			Pound	670

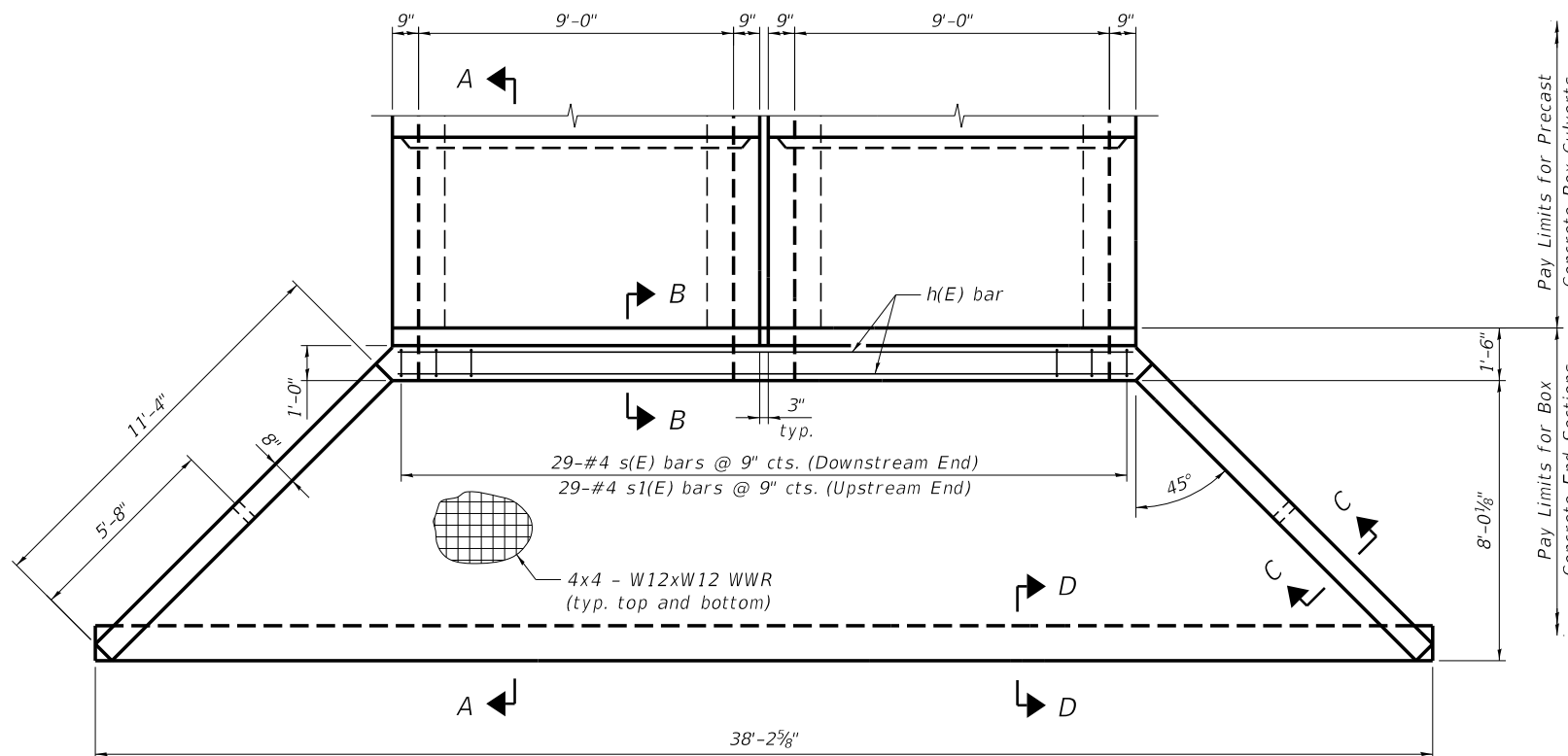
NOTE:
The quantities shown are for information only.



END VIEW



SECTION A-A



PLAN

GENERAL NOTES

Box Culvert End Sections shall be constructed according to the requirements of Section 540 of the Standard Specifications except as modified herein. End sections will be paid for at the contract unit price per each for Box Culvert End Sections.

Box section dimensions, materials, and reinforcement details for Box Culvert End Sections shall be according to the requirements for ASTM C 1577 as required for the design of the portion of the culvert within the limits of Precast Concrete Box Culverts except as modified herein.

Details for Double Cell Box Culvert shown. Details for Triple Cell Box Culvert similar. The details contained herein are for constructing the end sections using cast-in-place (CIP) construction. The Contractor may propose to furnish the end sections using precast construction methods and the end sections may consist of multiple precast concrete segments. The Contractor shall be responsible for determining all details associated with the precast option including any strengthening or stiffening provisions necessary for handling the precast segments. Conceptual details followed by shop drawings and design calculations sealed by an Illinois Licensed Structural Engineer shall be submitted to the Engineer for review and approval. Elements of the precast option shall at a minimum result in the same wingwall geometry and not have a thickness less than that detailed herein. The option to construct the end sections using precast construction methods shall be at no additional charge.

Shop drawings that detail slab thickness and reinforcement layout for the Box Culvert End Sections shall be provided to the Engineer for review and approval. Reinforcement bars not detailed herein shall be detailed with a clear distance at the end of the reinforcement not less than 1/2" nor more than 2".

The contractor may use reinforcement bars in lieu of welded wire reinforcement (WWR). Reinforcement bars shall be limited to the sizes of #3 through #5 bars, a maximum spacing of the lesser of 8" or the member thickness, and shall result in an area of reinforcement equal to or greater than that provided by the WWR. Minimum lap lengths detailed herein are applicable to WWR and reinforcement bars.

Reinforcement (circumferential and longitudinal) in the precast concrete box culvert segments immediately adjacent to the box culvert end sections that is being lapped with the end section reinforcement shall not be less than that required by ASTM C 1577 for the design fill height or the reinforcement detailed for the end section, whichever is greater.

One drain hole shall be provided in each wingwall for end sections of box culverts having an opening with a clear rise greater than 3 ft. The drain hole shall be located within 1/3 of the clear rise of the box culvert and shall conform to the requirements of Article 503.11 of the Standard Specifications.

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205 North Michigan Avenue, Suite 2400
Chicago, Illinois 60601
312-565-0450 Job No. 3938.16

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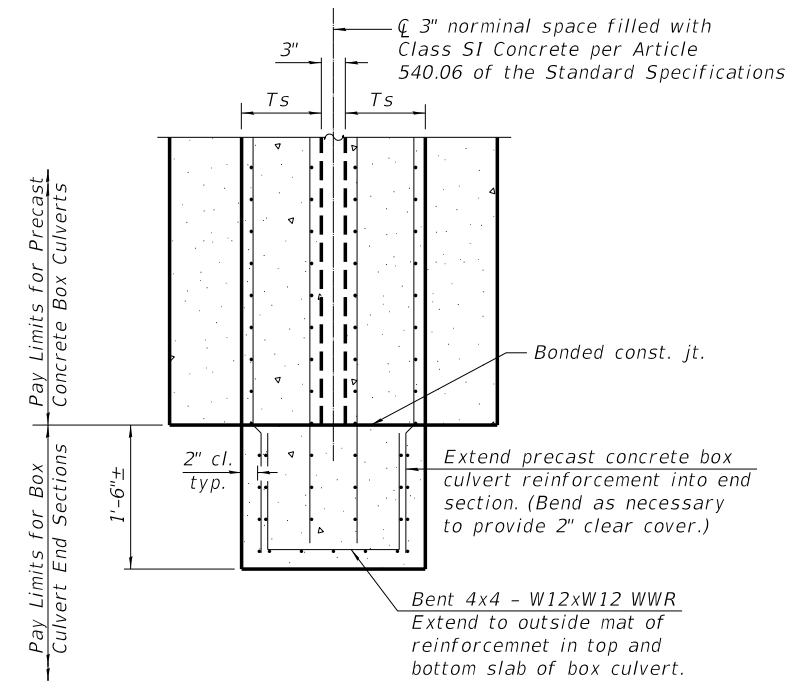
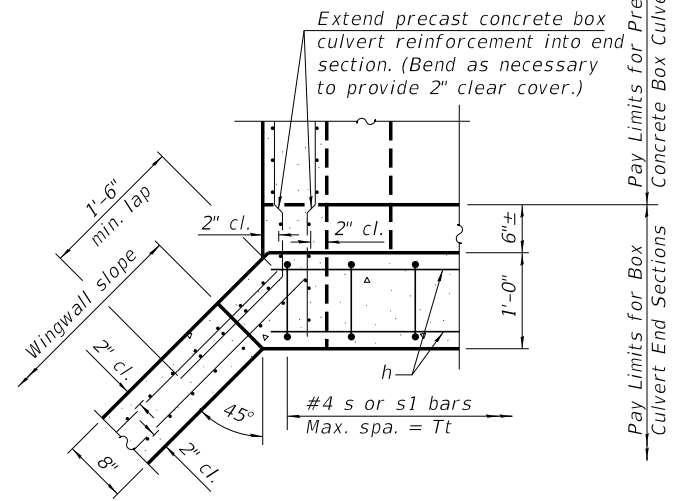
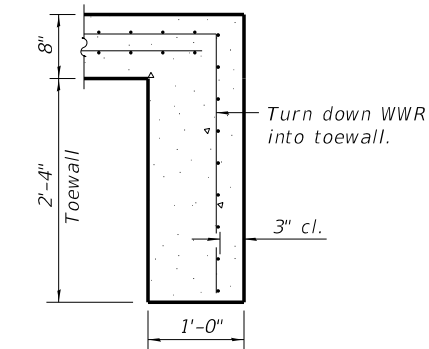
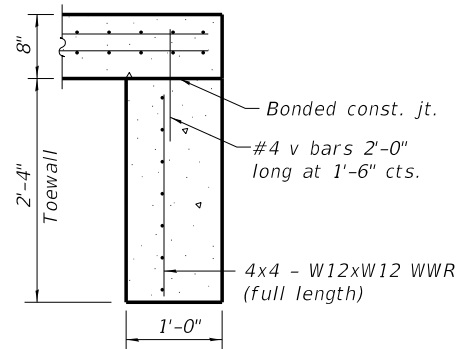
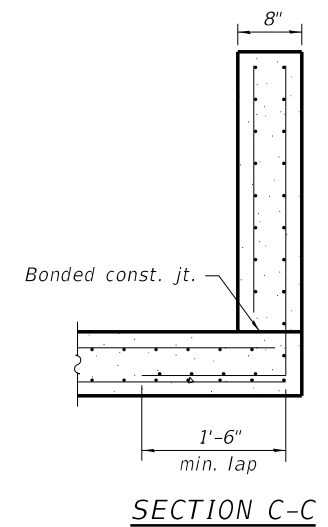
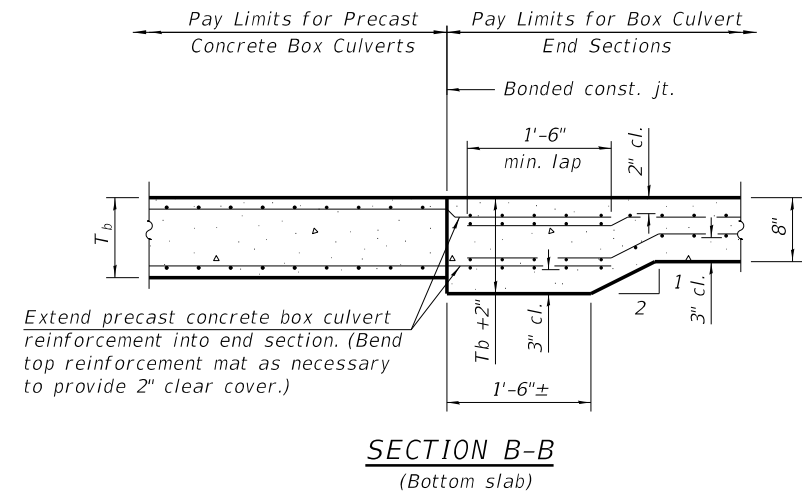
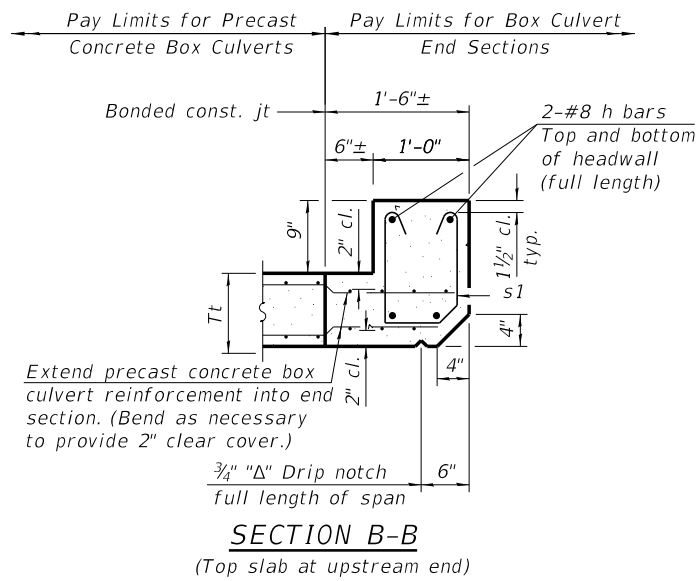
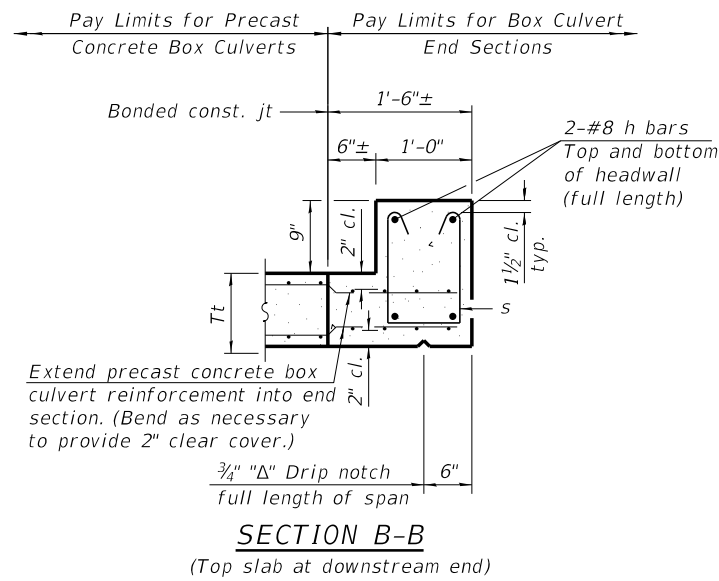
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MULTI-CELL PRECAST CONCRETE BOX CULVERT
STRUCTURE NO. 047-2583**

SHEET NO. S4 OF S7 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
607	(127)CR-2504	KENDALL	35	19
CONTRACT NO. 66F61				
ILLINOIS FED. AID PROJECT				

08/08/2017

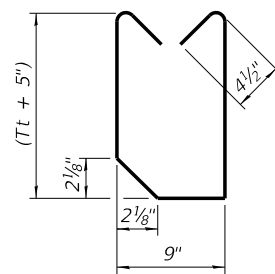
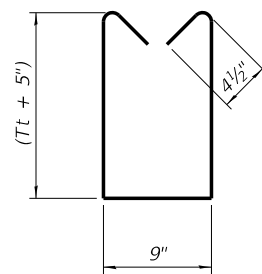


TOEWALL CONSTRUCTION SEQUENCE

1. Perform excavation and construct toewall.
2. Backfill accordingly and prepare bedding for box culvert end sections.
3. Construct remainder of box culvert end section.

Note:

If soil conditions permit, the toewall may be poured monolithically with the bottom slab of the end section using Alt. Section D-D subject to approval from the Engineer.



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Chicago, Illinois 60601
312-565-0450 Job No. 3938.16

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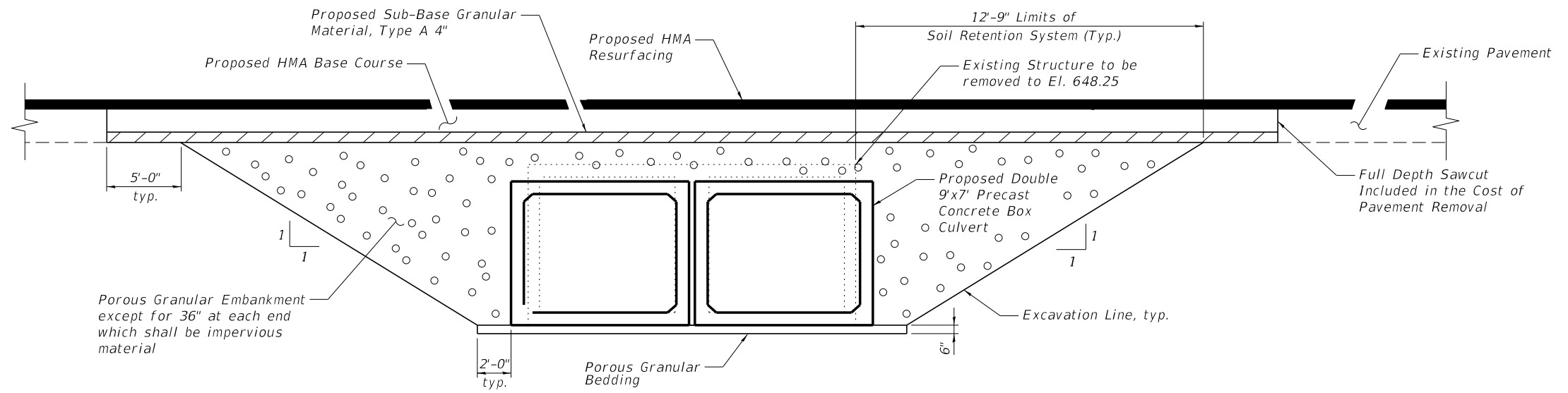
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**APRON END SECTION DETAILS
STRUCTURE NO. 047-2583**

SHEET NO. S5 OF S7 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
607	(127)CR-2504	KENDALL	35	20
CONTRACT NO. 66F61				
ILLINOIS FED. AID PROJECT				

08/08/2017



SECTION THROUGH PRECAST BOX CULVERT



Alfred Benesch & Company
 205 North Michigan Avenue, Suite 2400
 Chicago, Illinois 60601
 312-565-0450 Job No. 3938.16

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USER NAME = ngjurgjrl1
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 PLOT DATE = 08\08\2017

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 CHECKED - HMA
 DRAWN - RMG
 CHECKED - NG

REVISED -
 REVISED -
 REVISED -
 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**SECTION THROUGH BOX CULVERT
 STRUCTURE NO. 047-2583**

SHEET NO. 56 OF 57 SHEETS

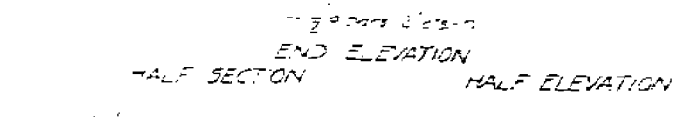
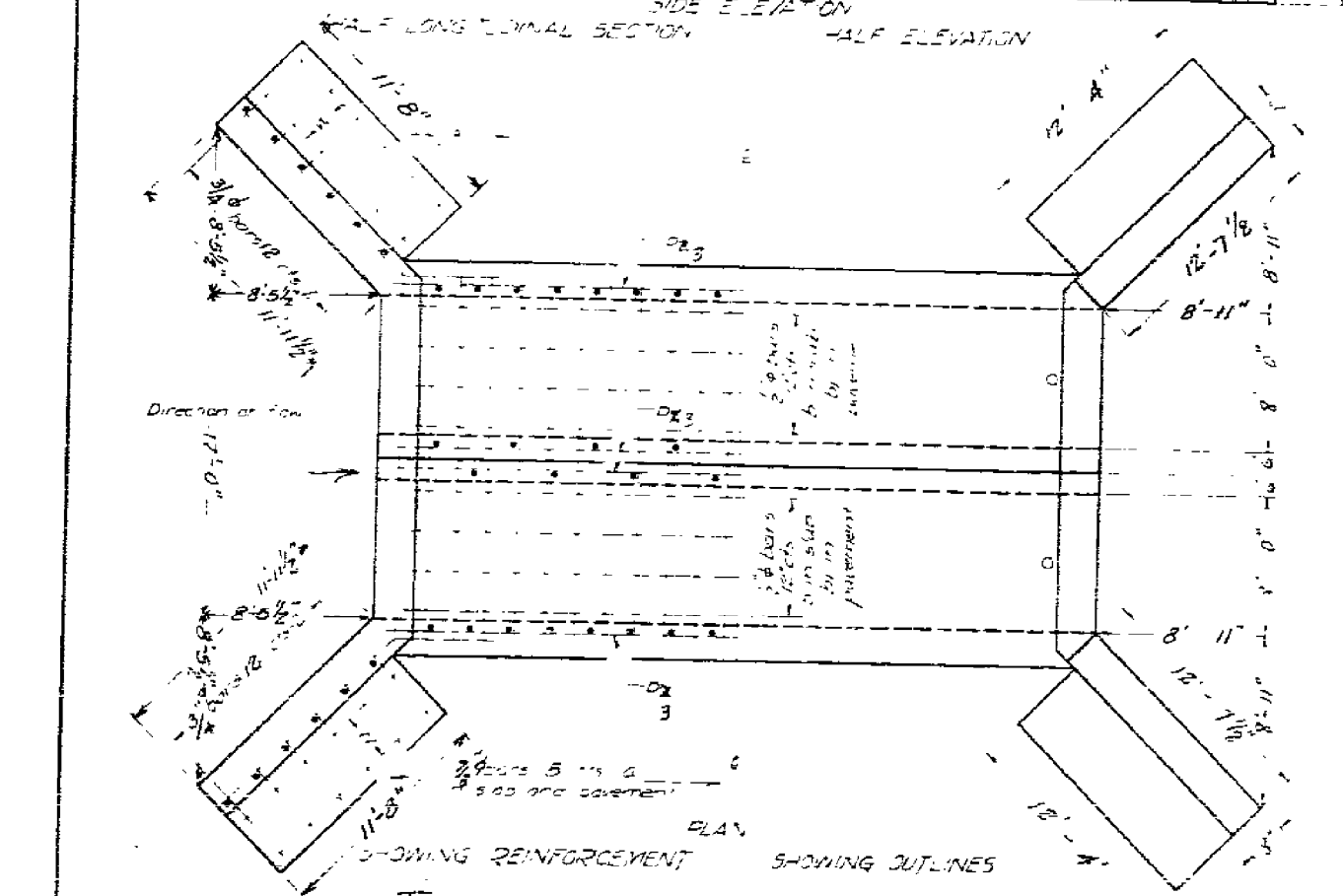
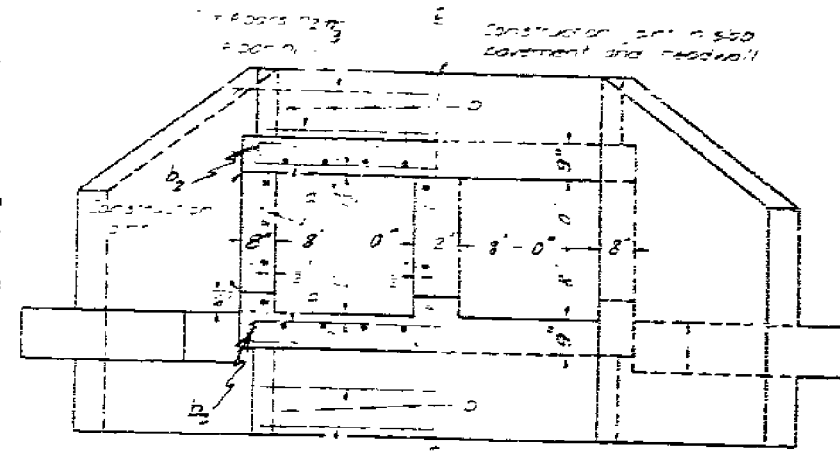
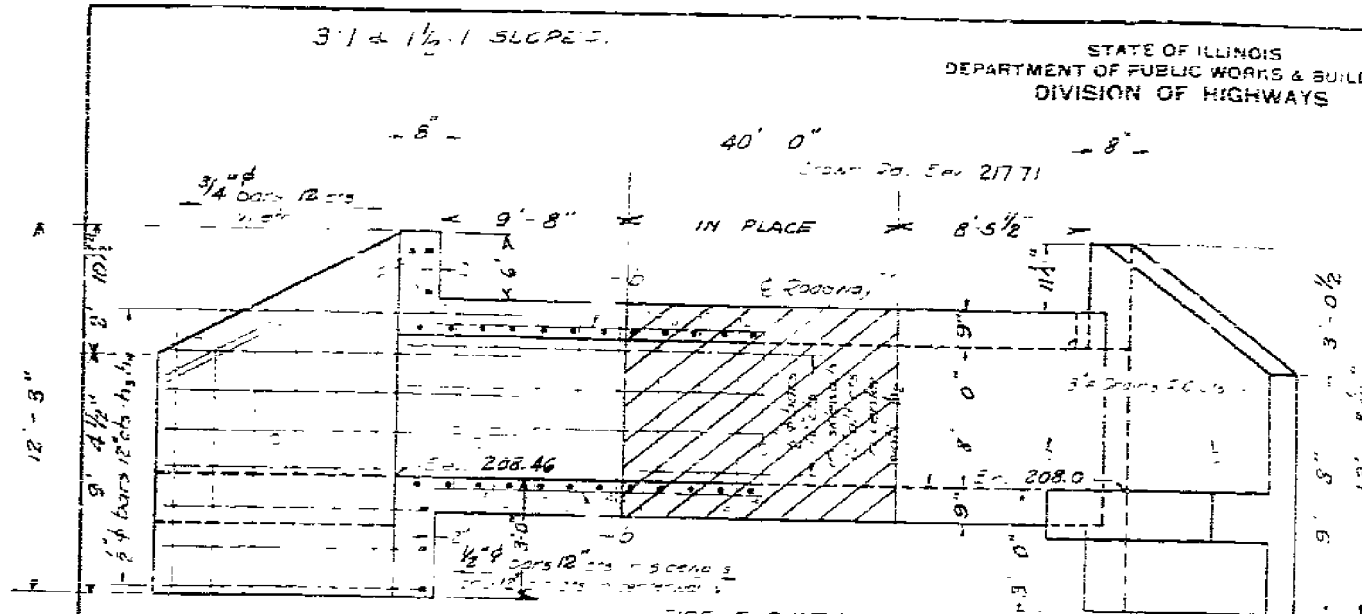
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607	(127)CR-2504	KENDALL	35	21
CONTRACT NO. 66F61				

ILLINOIS FED. AID PROJECT

08\08\2017

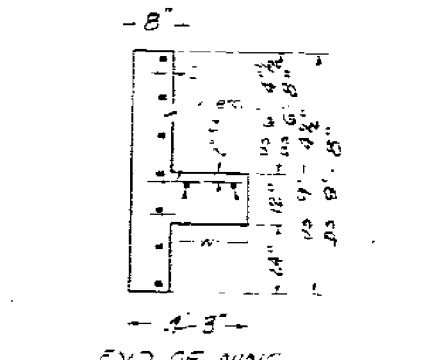
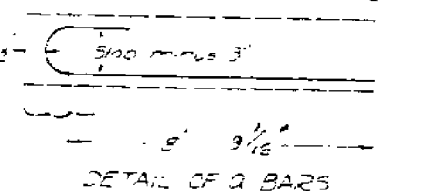
STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

ROAD DISTRICT NO. 7	SEC. 127	COUNTY Kendall	TOTAL SHEETS 14	SHEET NO. 13
ILLINOIS FED. AID PROJECT 190-D				



BILL OF MATERIAL

Bars	Number	Size	Length
a	90	1/2"Ø	20'-0"
b	17	1/2"Ø	10'-6"
b1	17	1/2"Ø	12'-6"
b2	28	1/2"Ø	10'-0"
b3	17	1/2"Ø	10'-0"
c	6	1/2"Ø	17'-6"
d	4	1/2"Ø	9'-0"
e	4	1/2"Ø	21'-0"
f	4	1/2"Ø	21'-0"
g	20	1/2"Ø	14'-0"
h	57	1/2"Ø	9'-0"
i	12	3/8"Ø	11'-3"
j	14	3/8"Ø	10'-3"
k	16	3/8"Ø	9'-3"
ka	17	1/2"Ø	11'-3"
l	4	1/2"Ø	12'-0"
m	46	3/4"Ø	4'-9"
n	28	1/2"Ø	9'-0"
Class 1 Concrete Cu Yds			55.3
Reinforcing Steel Lbs			6570
w	4	1/2"Ø	11'-6"
x	4	1/2"Ø	8'-6"
y	4	1/2"Ø	13'-6"
z	20	1/2"Ø	13'-6"
za	4	1/2"Ø	6'-6"



Remove old keywalls to top of slab and extend the old steel into the extension. At the joint between the old and new work chip off the surface of the old concrete to a sufficient depth to expose the coarse aggregate. Sweep or wash away all loose material and flush with a thin 1:2 mortar before pouring the new concrete.

STANDARD
COMPUTED -
CHECKED -
DRAWN - J.C. Anderson
CHECKED -
SPECIAL
ASSEMBLED - E. J. Smith
CHECKED -

APPROVED: *[Signature]*
DATE: 2-27-35

Class 1 concrete shall be used throughout.
All reinforcing steel shall be wired secure, in place before concrete is poured.

STA. 933+90
SEC. 127
KENDALL, CO.
Standard 1347

FOR INFORMATION ONLY

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Alfred Benesch & Company
205 North Michigan Avenue, Suite 2400
Chicago, Illinois 60601
312-565-0450 Job No. 3938.16

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		CHECKED -	REVISED -

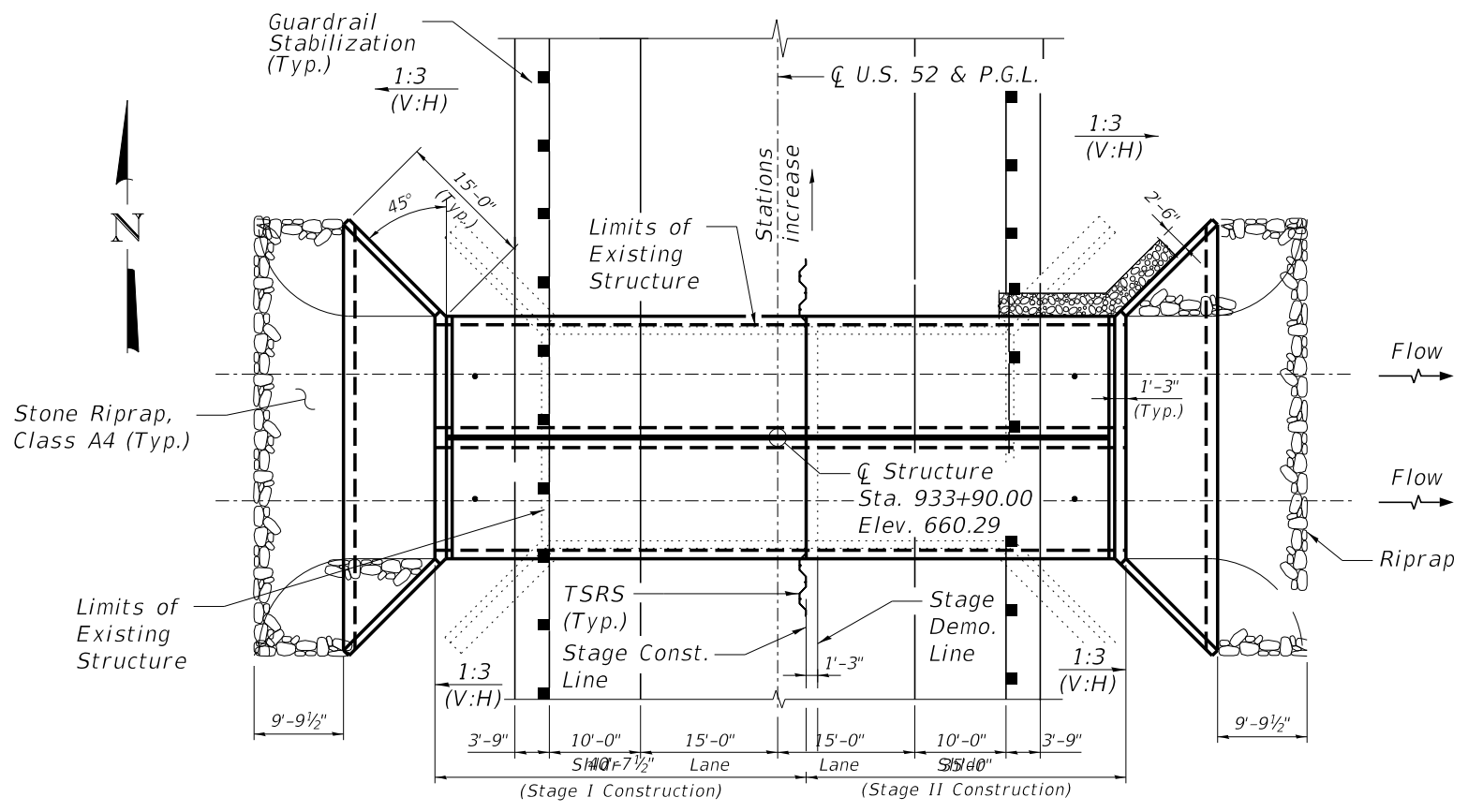
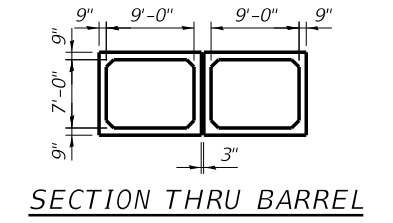
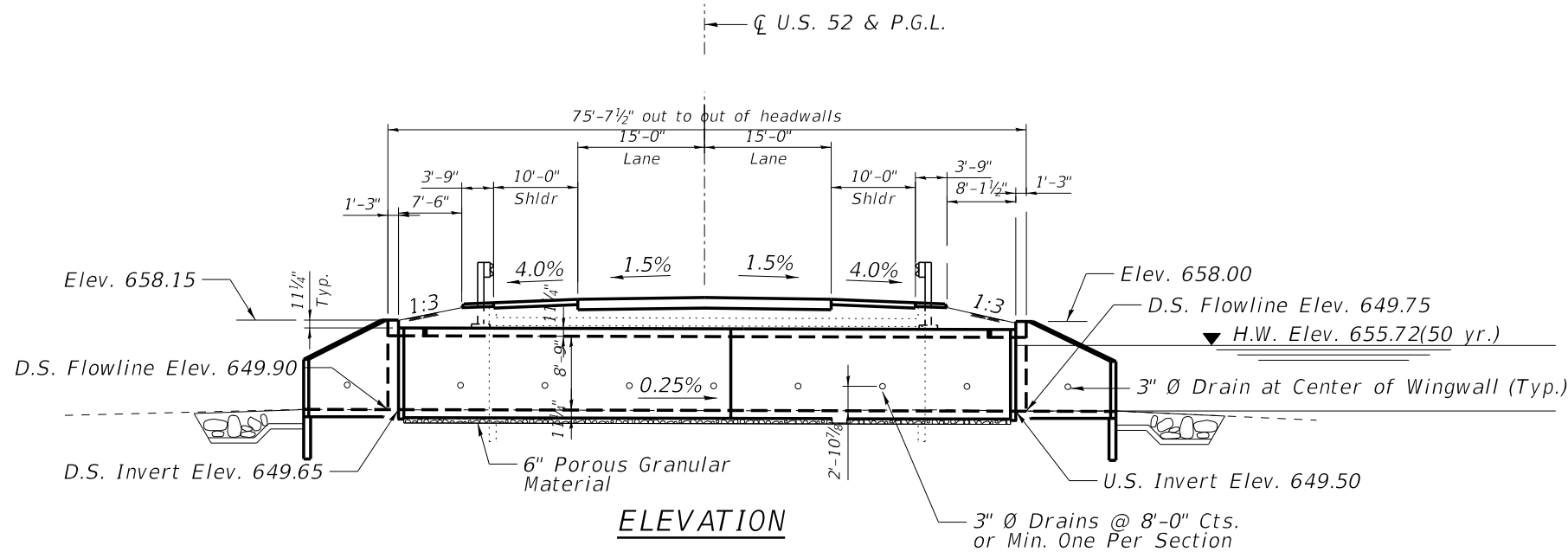
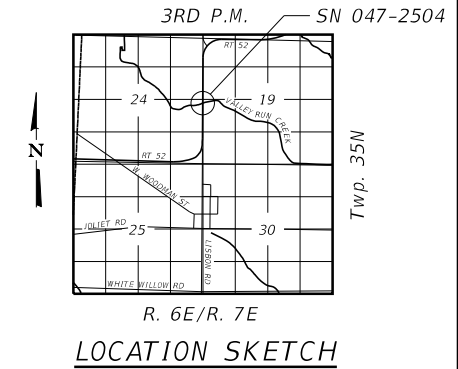
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING STRUCTURE
STRUCTURE NO. 047-2583
SHEET NO. EX1 OF EX1 SHEETS

F.A.P. RTE. 607	SECTION (127)CR-2504	COUNTY KENDALL	TOTAL SHEETS 35	SHEET NO. 23
CONTRACT NO. 66F61			ILLINOIS FED. AID PROJECT	

08/08/2017

EXHIBIT

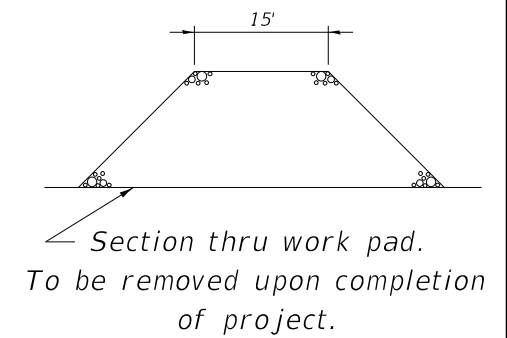
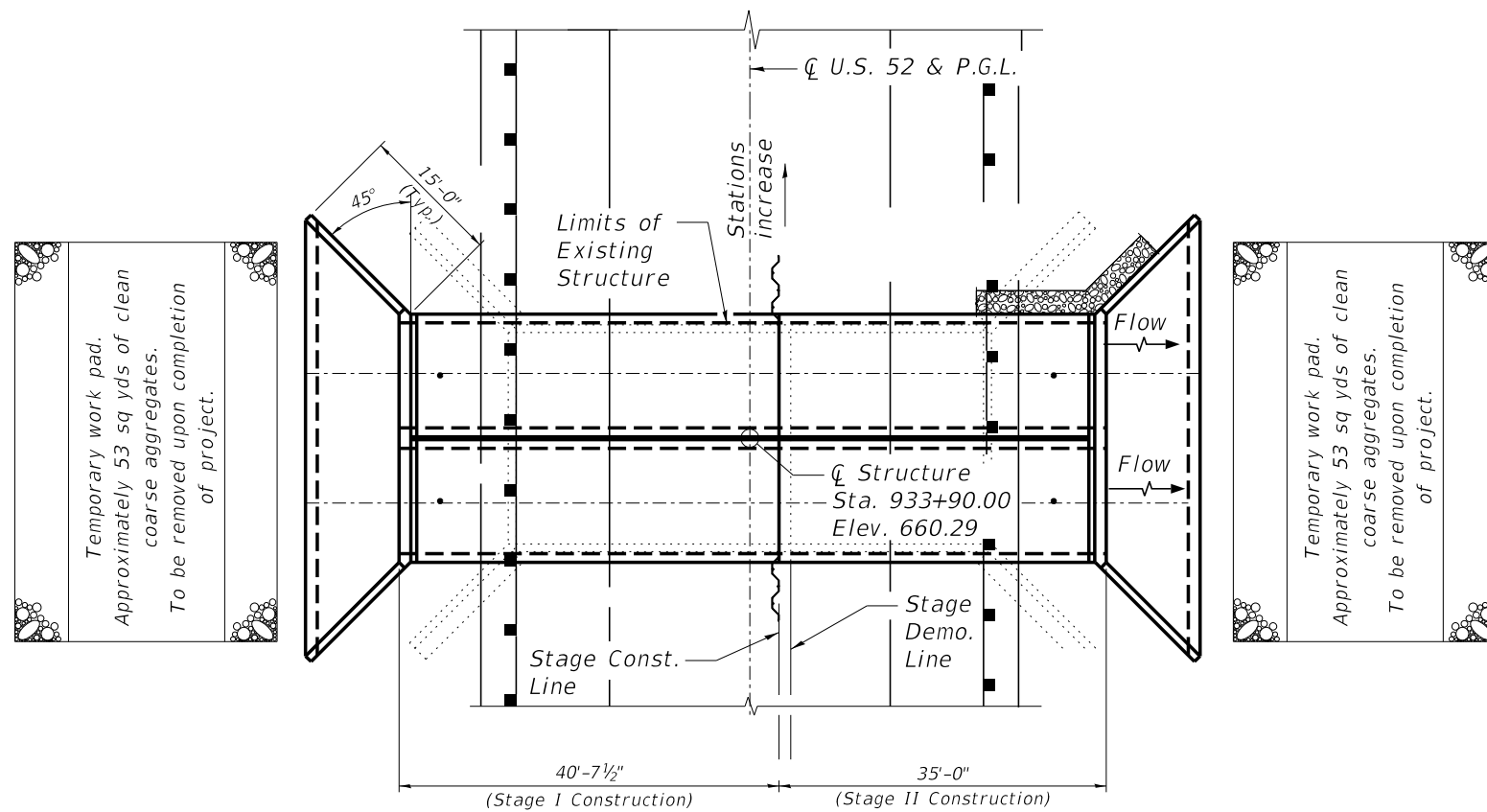
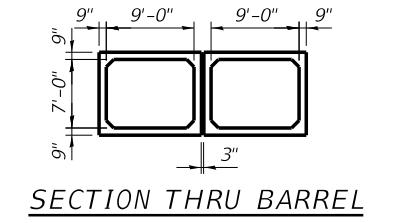
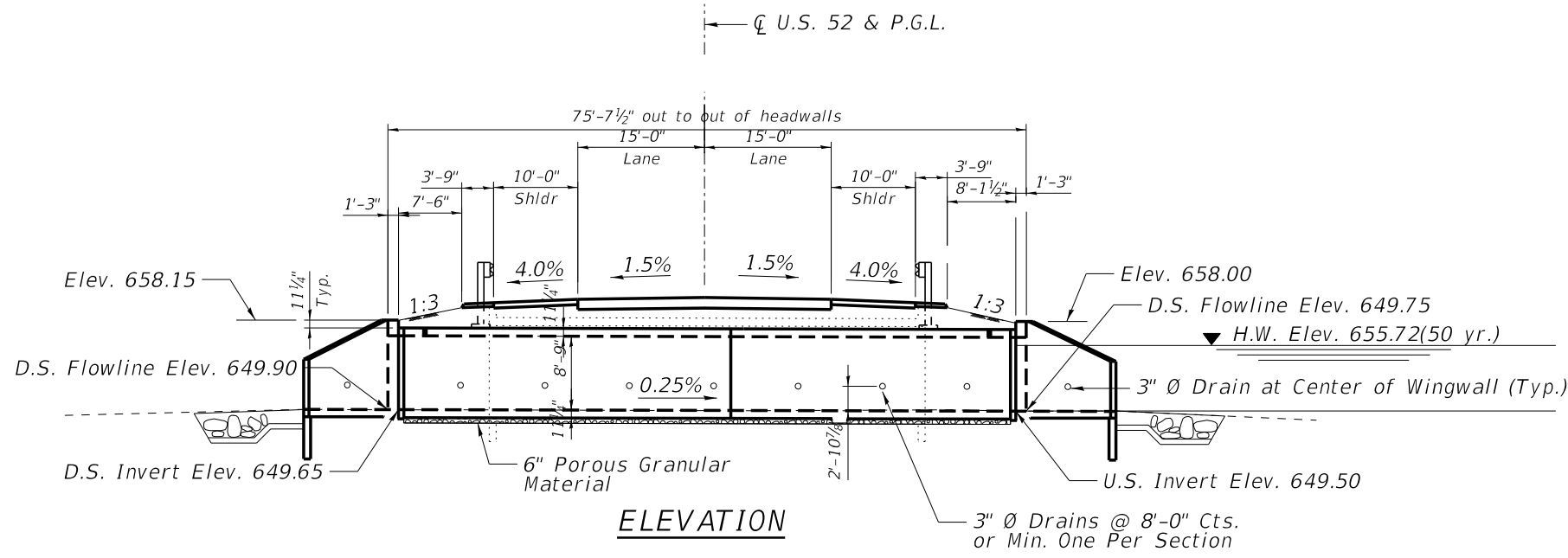
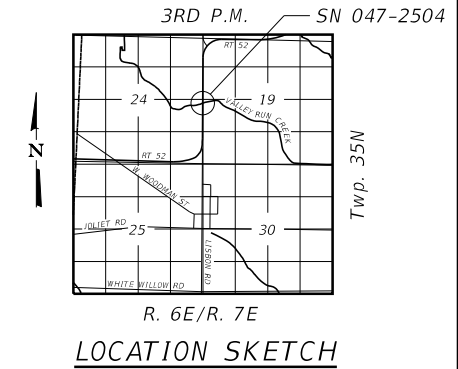


GENERAL PLAN AND ELEVATION
US 52 OVER VALLEY RUN CREEK
F.A.P. 607 (US 52) - SEC. (127)CR-2504
KENDALL COUNTY
STATION 933+90.00
EXISTING STRUCTURE NO. 047-2504
PROPOSED STRUCTURE NO. 047-2583

Not to Scale

FILE NAME =	USER NAME =	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0472504-66F61-24-484 Permt.dgn		CHECKED -	REVISED -		607	(127)CR-2504	KENDALL	35	24
		DRAWN -	REVISED -		CONTRACT NO. 66F61				
		PLOT SCALE =	REVISED -		ILLINOIS FED. AID PROJECT				
		PLOT DATE =	CHECKED -						

EXHIBIT

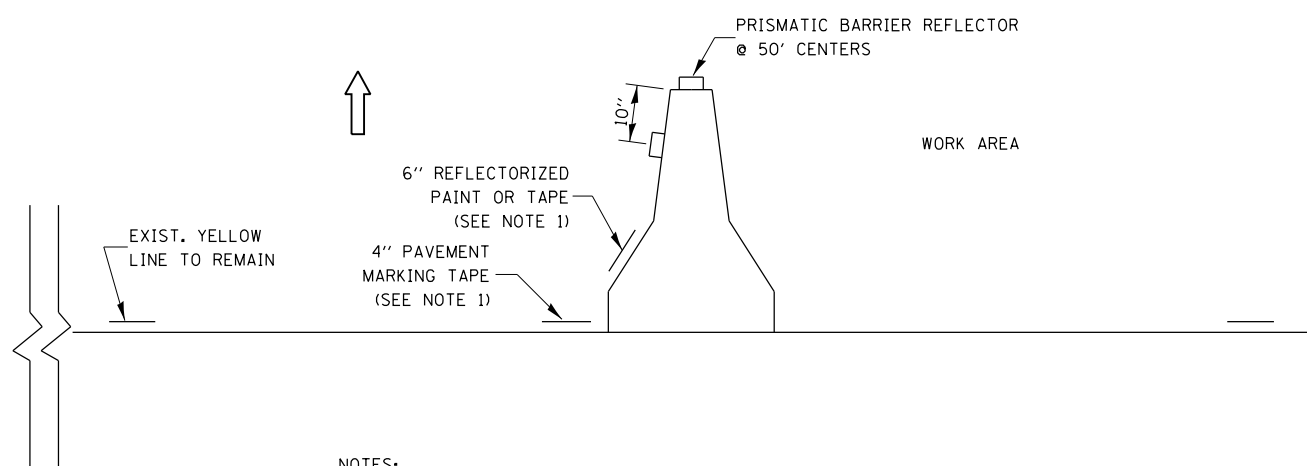


**GENERAL PLAN AND ELEVATION
US 52 OVER VALLEY RUN CREEK
F.A.P. 607 (US 52) - SEC. (127)CR-2504
KENDALL COUNTY
STATION 933+90.00
EXISTING STRUCTURE NO. 047-2504
PROPOSED STRUCTURE NO. 047-2583**

Not to Scale

FILE NAME =	USER NAME =	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0472504-66F61-25-484 Permt.dgn		CHECKED -	REVISED -		607	(127)CR-2504	KENDALL	35	25
		PLOT SCALE =	REVISED -		CONTRACT NO. 66F61				
		PLOT DATE =	CHECKED -		ILLINOIS FED. AID PROJECT				

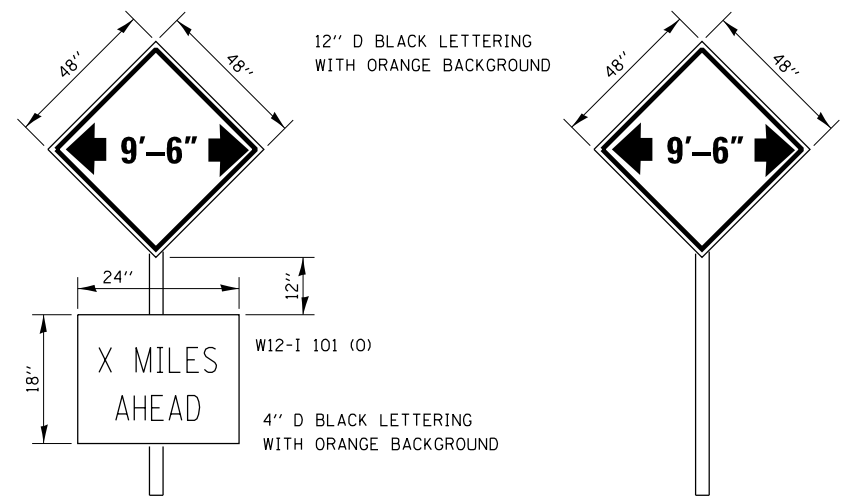
☐ RDWY.



NOTES:

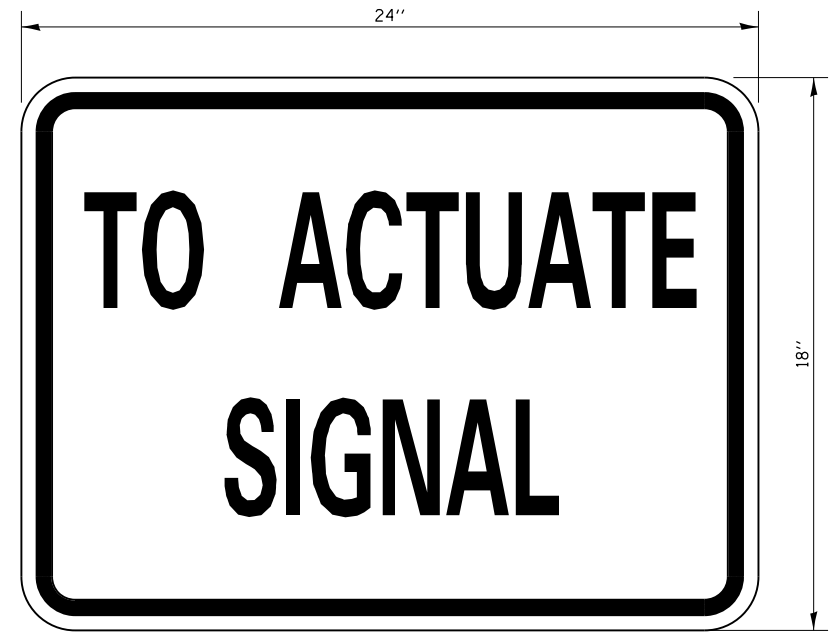
1. THE CONTRACTOR HAS THE OPTION OF USING EITHER THE LINE ON THE TEMPORARY CONCRETE BARRIER OR ON THE PAVEMENT.
2. THE COLOR OF THE REFLECTORS AND PAVEMENT/BARRIER MARKING LINE WILL VARY WITH STAGING AND SHALL MATCH THE EXISTING LINE IN THE WORK AREA.
3. THE COST OF THE REFLECTORS AND THE PAVEMENT/BARRIER MARKING LINE IS INCLUDED IN THE COST OF THE TEMPORARY CONCRETE BARRIER.

**TRAFFIC CONTROL DETAIL
FOR TEMPORARY CONCRETE BARRIER**



TO BE POST MOUNTED AS SHOWN ELSEWHERE IN THE PLANS.
COST OF SUPPLYING, INSTALLING, MAINTAINING AND REMOVING WIDTH RESTRICTION SIGNS SHALL BE INCLUDED IN THE COST OF THE TRAFFIC CONTROL AND PROTECTION PAY ITEMS.

**WIDTH RESTRICTION SIGNING DETAILS
TO BE PLACED FOR STAGE I ONLY**



SIZE: 24" x 18"
4" CAPITAL LETTERS - BLACK
1/2" BORDER - BLACK
WHITE REFLECTIVE - TYPE B
ENGINEERING GRADE SHEETING

GENERAL NOTE:
THIS SIGN SHALL BE INSTALLED AT THE STOP LINE AS DIRECTED BY THE ENGINEER.

STOP LINE SIGN FOR TEMPORARY SIGNALS

FILE NAME = X:\3000a\3000a\Civil\1115 52 over Valley Run\Eng_Doc\Detail\03666F61-ph-t-detail1-92.dgn

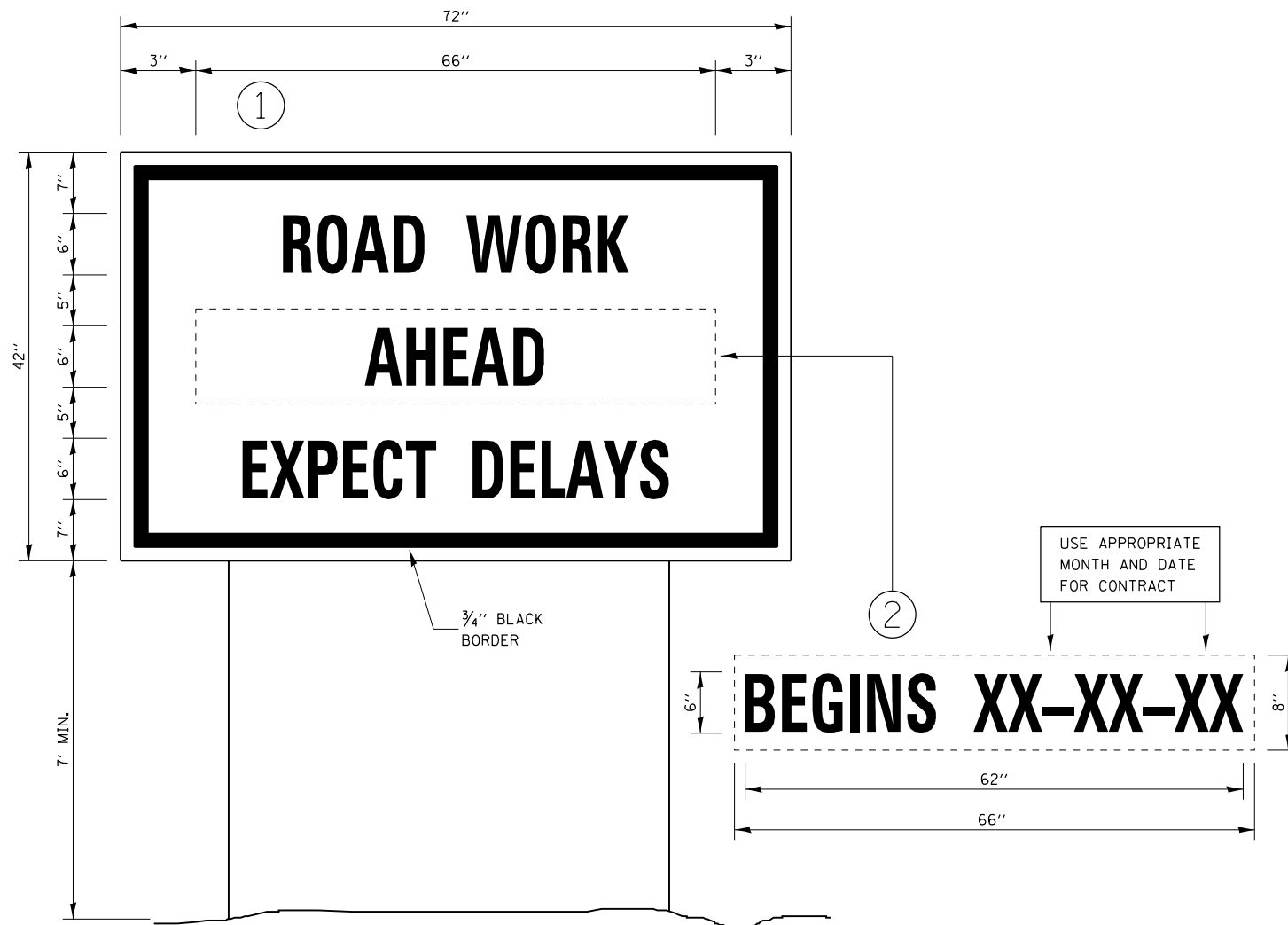
USER NAME = agibson	DESIGNED - ALG	REVISED -
	DRAWN - TMB	REVISED -
PLOT SCALE = 2.0000' / 1" =	CHECKED - JNR	REVISED -
PLOT DATE = 8/8/2017	DATE - 8/11/2017	REVISED -



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY DETAILS			
SCALE: NTS	SHEET 2 OF 3 SHEETS	STA. N/A	TO STA. N/A

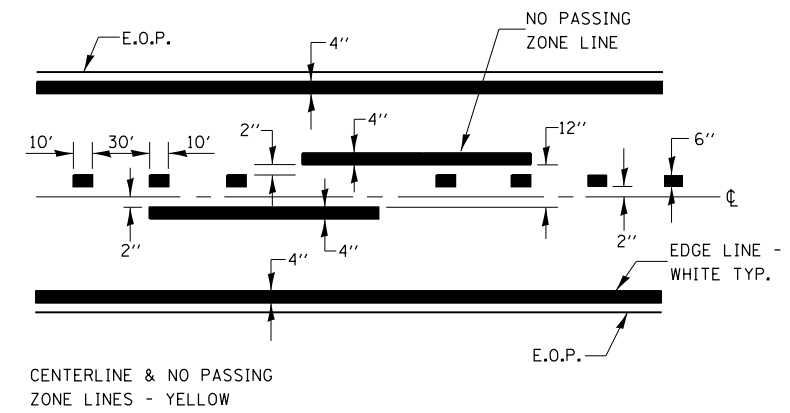
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
607	(127) CR-2504	KENDALL	35	27
				CONTRACT NO. 66F61
ILLINOIS FED. AID PROJECT				



TEMPORARY INFORMATION SIGNING

NOTES:

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



PAVEMENT MARKING

FILE NAME = X:\3008a\3008a\Civil\11\115 52 over Valley Run\Eng_Docs\Details\0366F61-ph-t-details-93.dgn

USER NAME = agibson	DESIGNED - ALG	REVISED -
	DRAWN - TMB	REVISED -
PLOT SCALE = 2.0000' / in.	CHECKED - JNR	REVISED -
PLOT DATE = 8/8/2017	DATE - 8/11/2017	REVISED -



**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

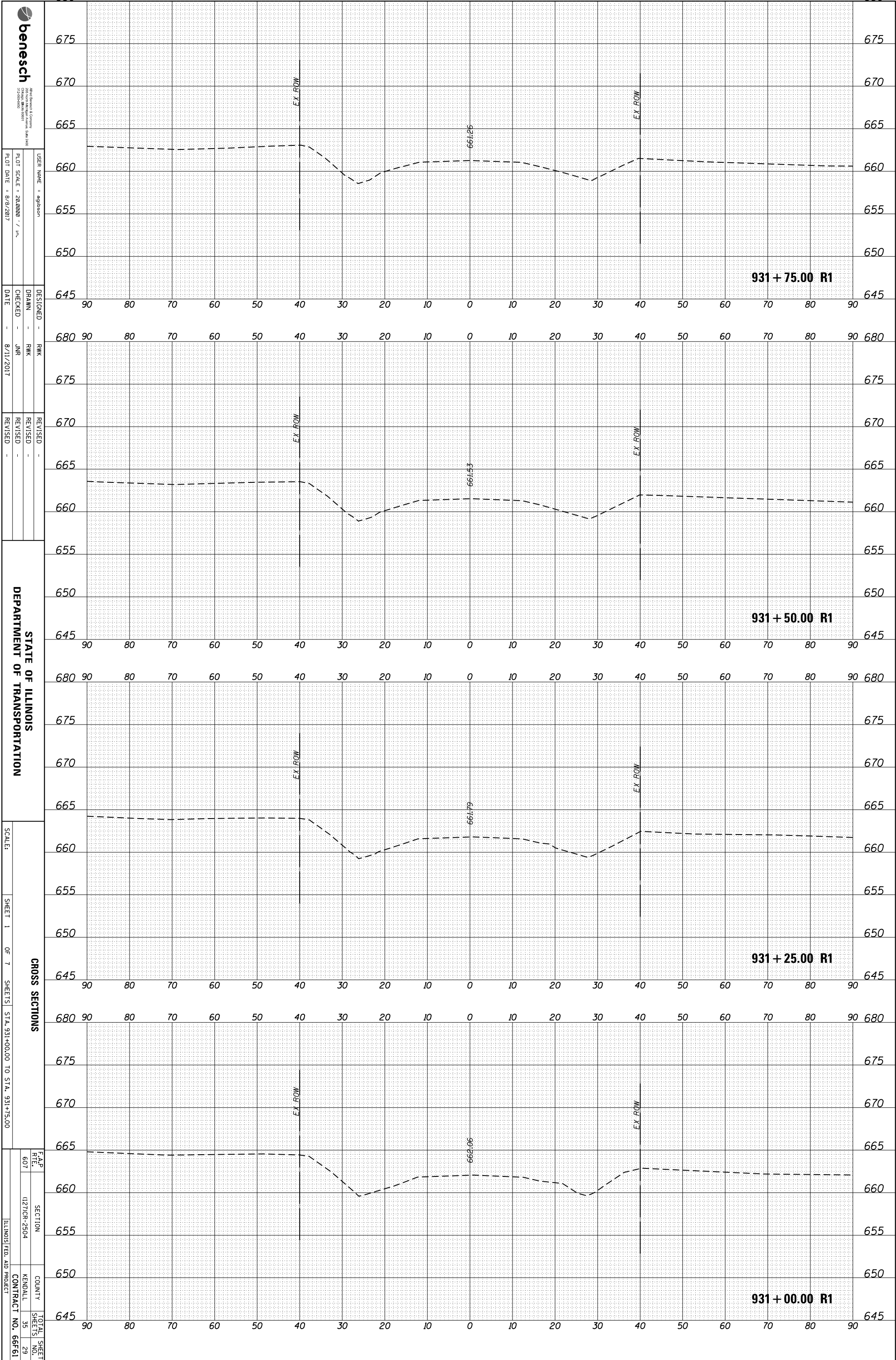
ROADWAY DETAILS

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
607	(127) CR-2504	KENDALL	35	28
				CONTRACT NO. 66F61
ILLINOIS FED. AID PROJECT				

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

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



Professional Engineering
 CHICAGO, ILLINOIS 60601
 312.261.2000

USER NAME: eajlsbn
 PLOT SCALE: 28.0000' / in.
 PLOT DATE: 8/8/2017

DESIGNED: RWK
 DRAWN: RWK
 CHECKED: JMR
 DATE: 8/11/2017

REVISED: -
 REVISED: -
 REVISED: -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SCALE:
 SHEET 1 OF 7 SHEETS
 STA. 931+00.00 TO STA. 931+75.00

CROSS SECTIONS
 F.A.P. RT# 607
 SECTION I127CR-2504
 COUNTY KENDALL
 CONTRACT NO. 66F61
 TOTAL SHEET NO. 29

ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
	TEMPLATE		
	AREAS		
	AREAS CHECKED		

FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
	TEMPLATE		
	AREAS		
	AREAS CHECKED		



benesch
 200 West Madison Street
 Chicago, Illinois 60601
 312.467.2000

USER NAME: eglison
 PLOT SCALE: 28.0000 / in.
 PLOT DATE: 8/8/2017

DESIGNED: RWK
 DRAWN: RWK
 CHECKED: JMR
 DATE: 8/11/2017

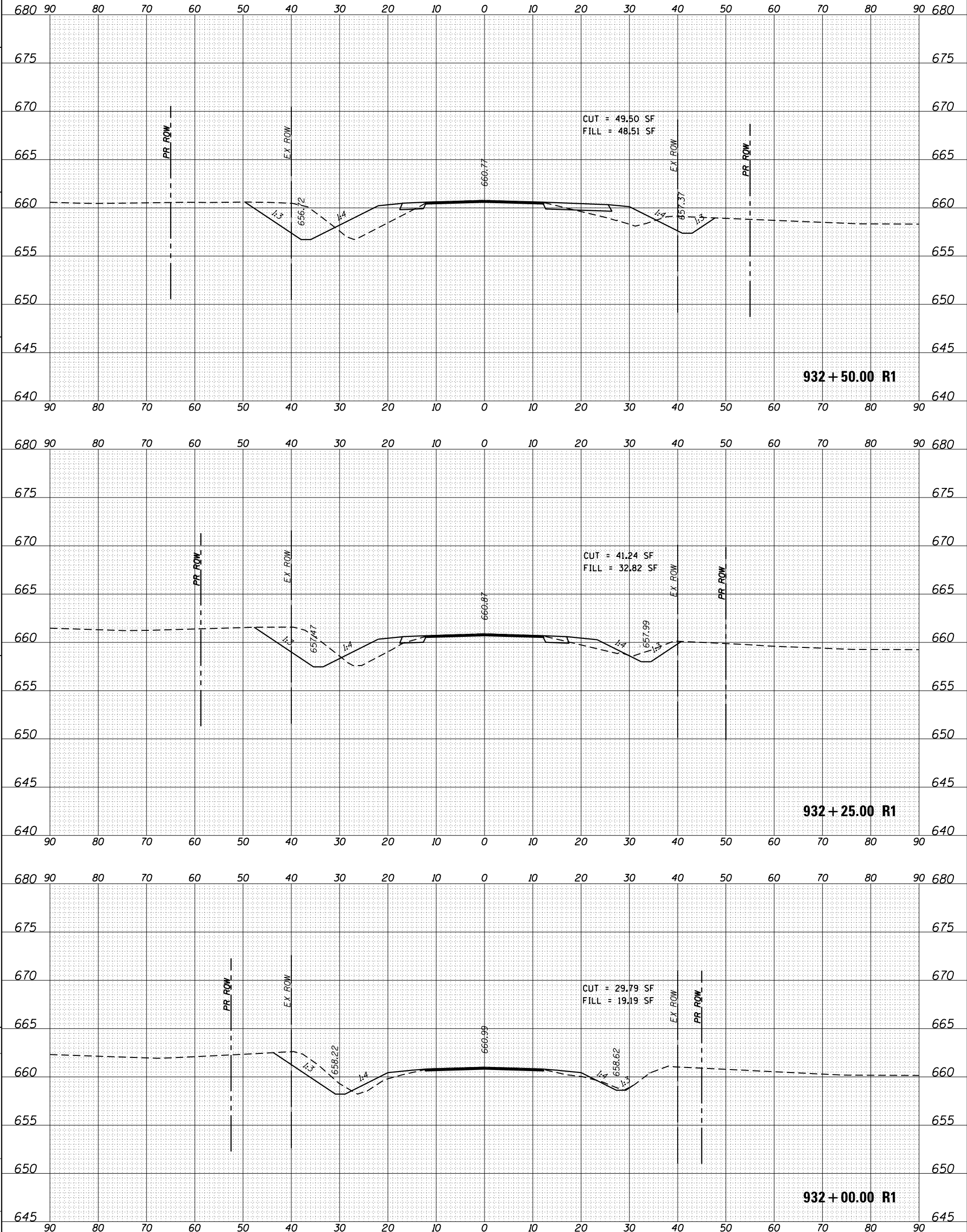
REVISED: -
 REVISED: -
 REVISED: -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SCALE:

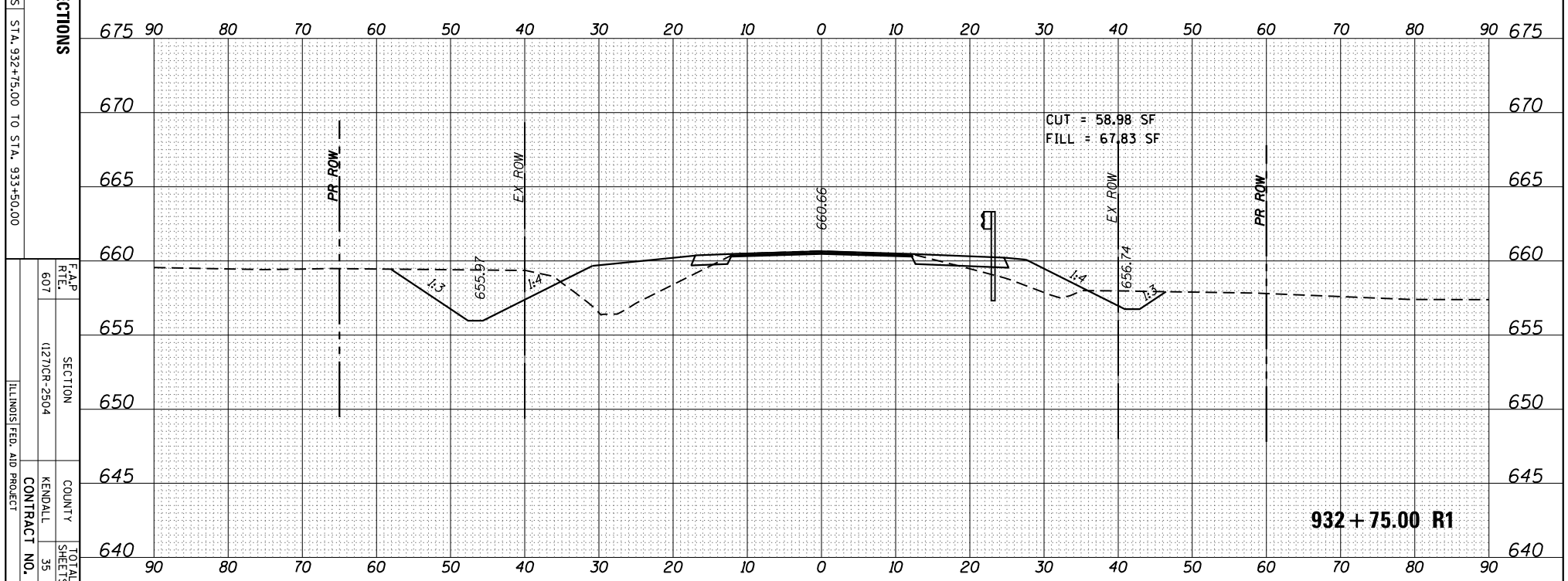
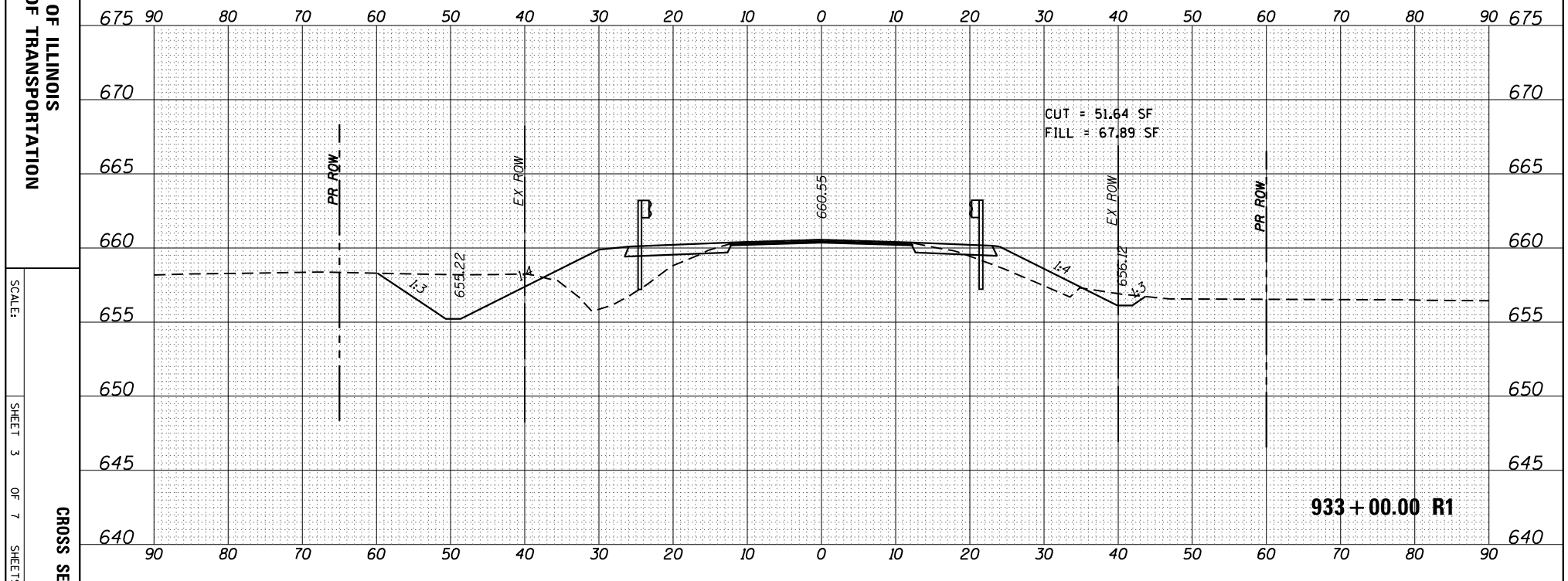
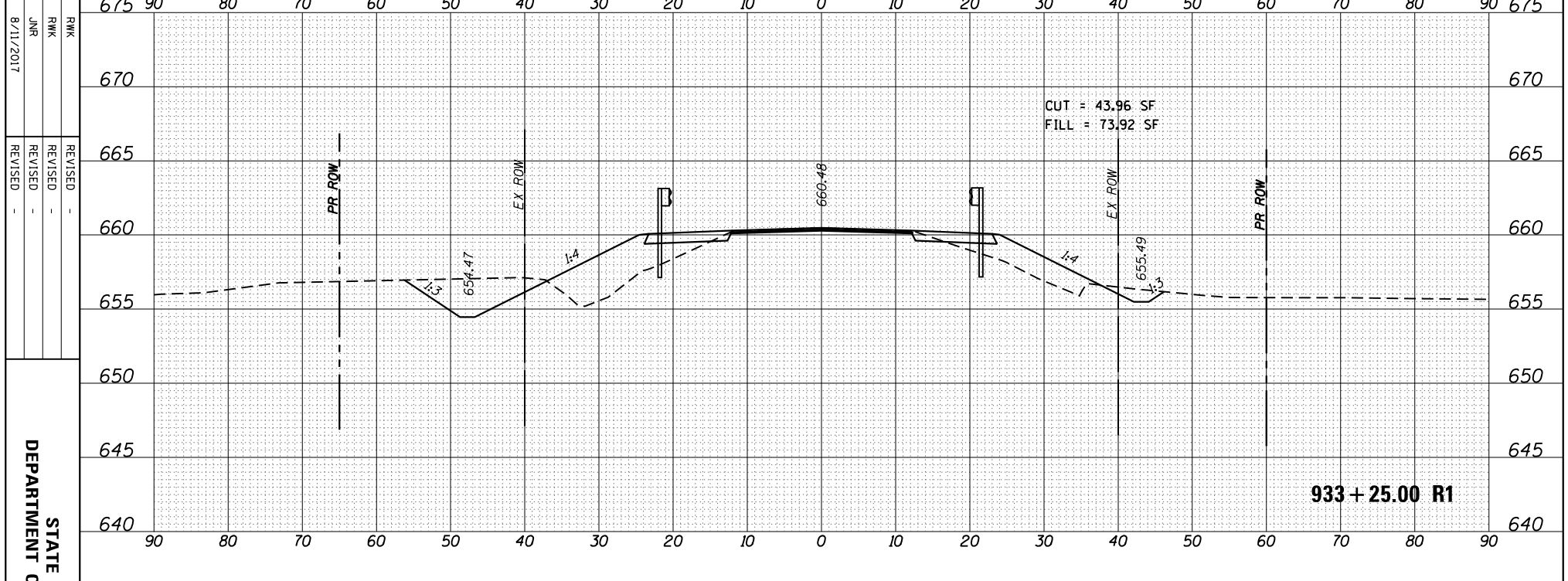
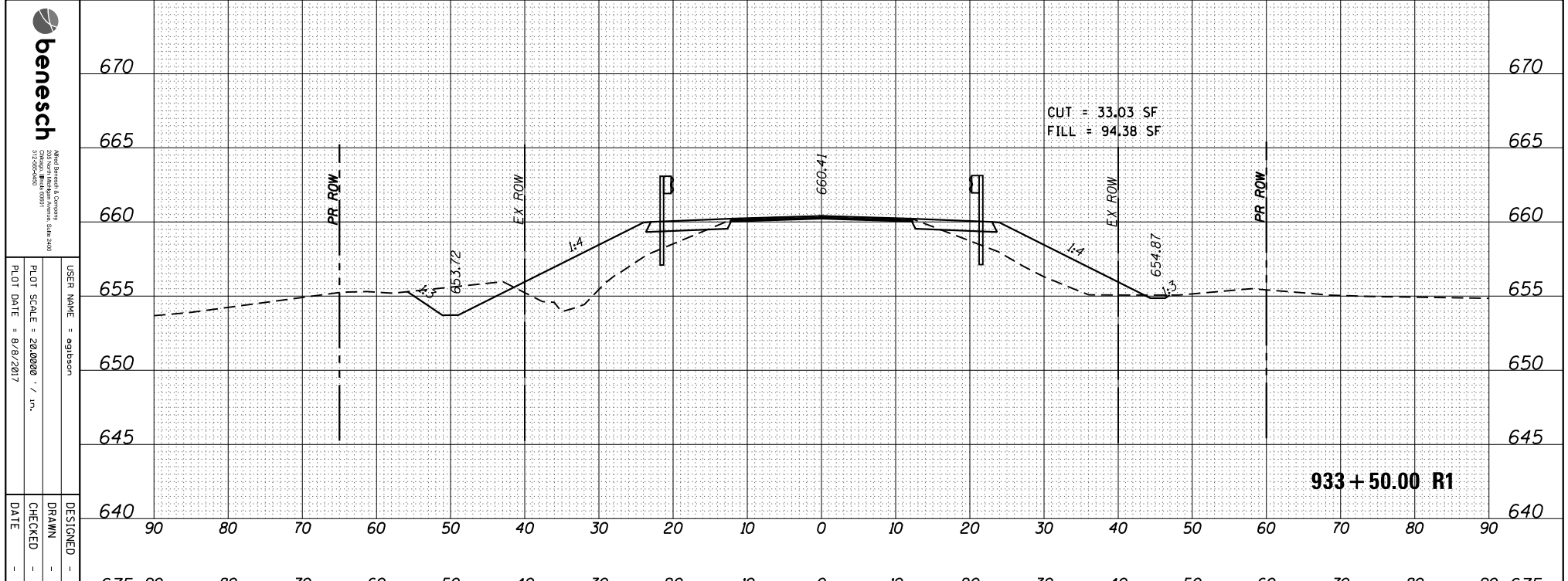
SHEET 2 OF 7 SHEETS
 STA. 932+00.00 TO STA. 932+50.00

F.A.P. RTE. 607
 SECTION 1270R-2504
 COUNTY KENDALL
 CONTRACT NO. 66F61
 TOTAL SHEET NO. 30



ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
	TEMPLATE		
	AREAS		
	AREAS CHECKED		

FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
	TEMPLATE		
	AREAS		
	AREAS CHECKED		



benesch
 Registered Professional Engineer
 State of Illinois
 No. 042-000000
 Chicago, Illinois 60601
 312.567.2000

USER NAME: eagleson
 DRAWN: RWK
 CHECKED: JMR
 DATE: 8/11/2017

DESIGNED: RWK
 REVISIONS:
 REVISION NO. DATE BY

PLLOT SCALE: 28.0000' / 1" = 1'
 PLOT DATE: 8/8/2017

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SCALE:
 SHEET 3 OF 7 SHEETS STA. 932+75.00 TO STA. 933+50.00

CROSS SECTIONS

F.A.P. RT.E. 607
 SECTION 1270R-2504
 COUNTY KENDALL
 CONTRACT NO. 66F61

TOTAL SHEET NO. 31

ORIGINAL SURVEY	SURVEYED _____	BY _____	DATE _____
NOTE BOOK	PLOTTED _____		
	TEMPLATE _____		
	AREAS _____		
	AREAS CHECKED _____		

FINAL SURVEY	SURVEYED _____	BY _____	DATE _____
NOTE BOOK	PLOTTED _____		
	TEMPLATE _____		
	AREAS _____		
	AREAS CHECKED _____		



USER NAME: eglison
 PLOT SCALE: 28.0000 / in.
 PLOT DATE: 8/8/2017

DESIGNED: RWK
 DRAWN: RWK
 CHECKED: JNR
 DATE: 8/11/2017

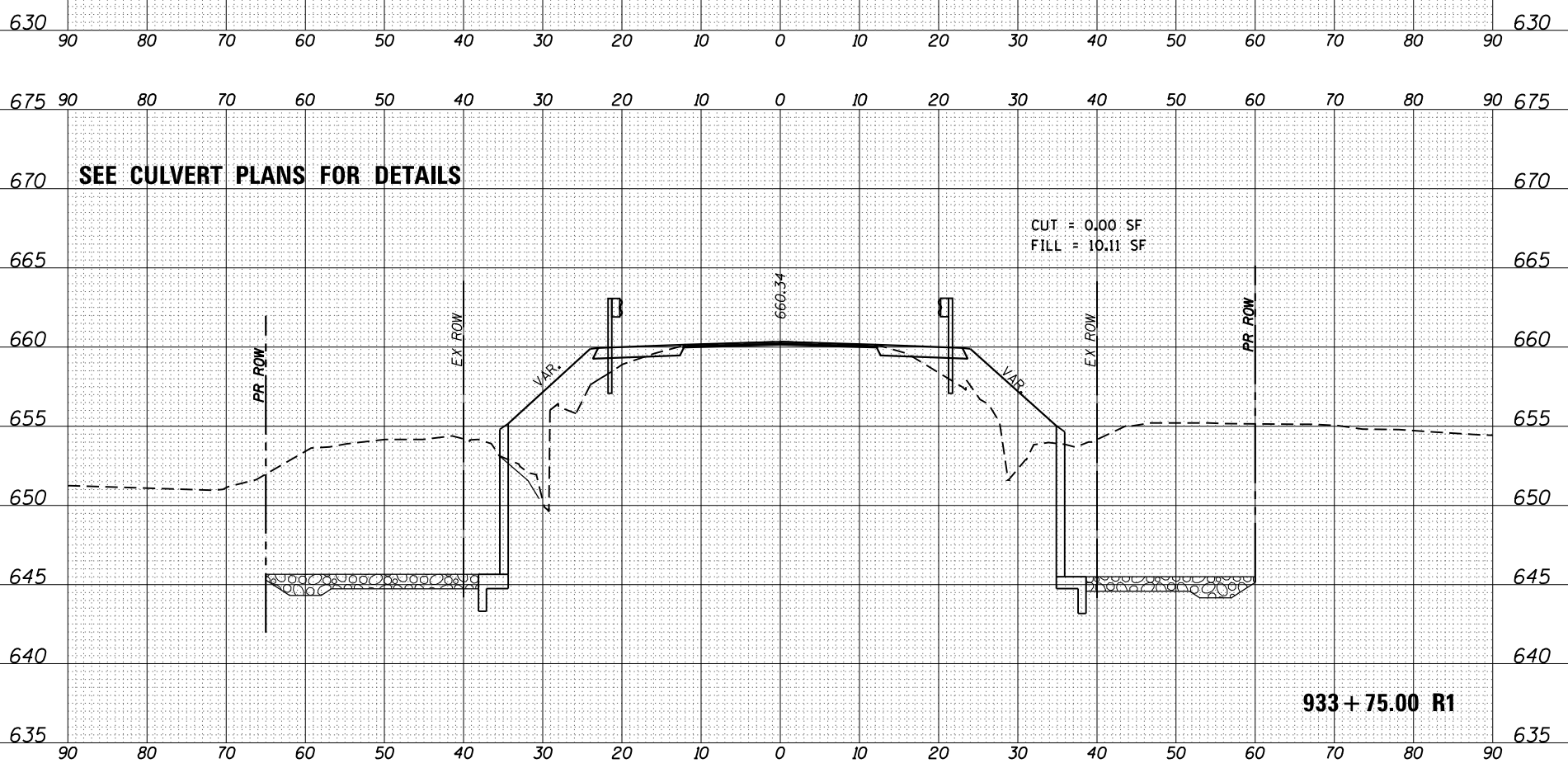
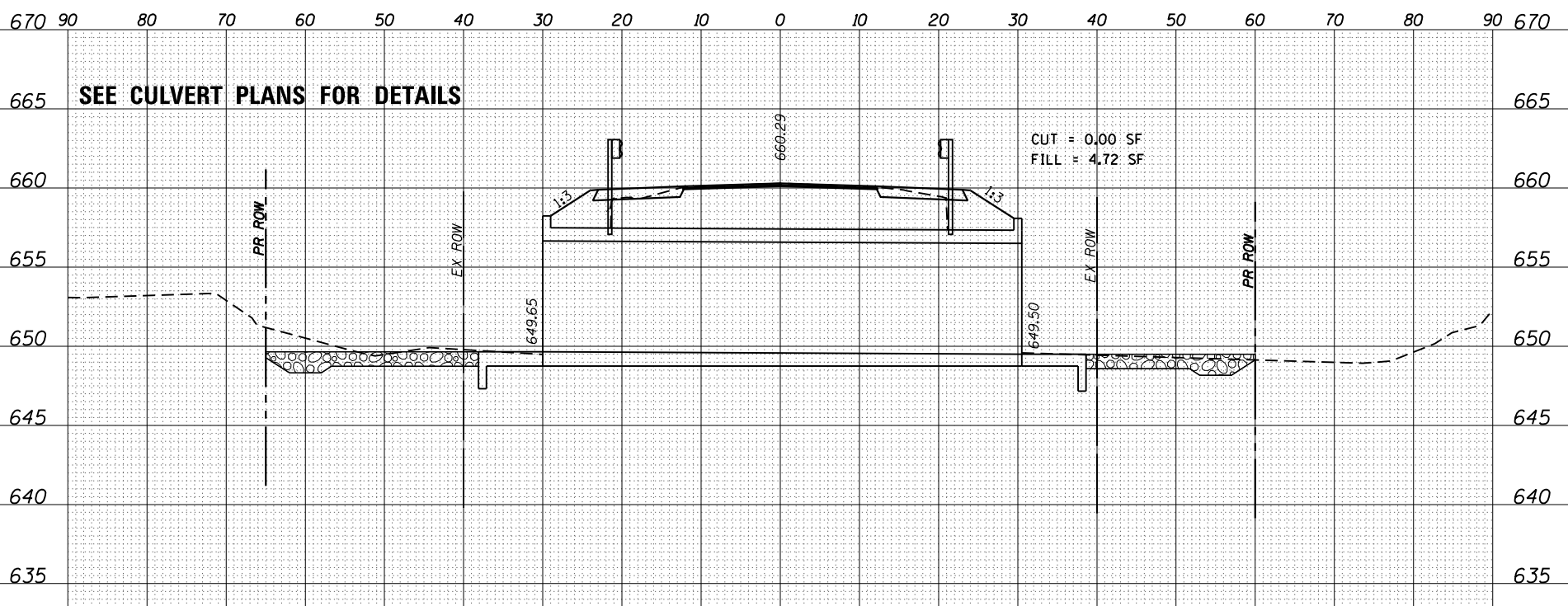
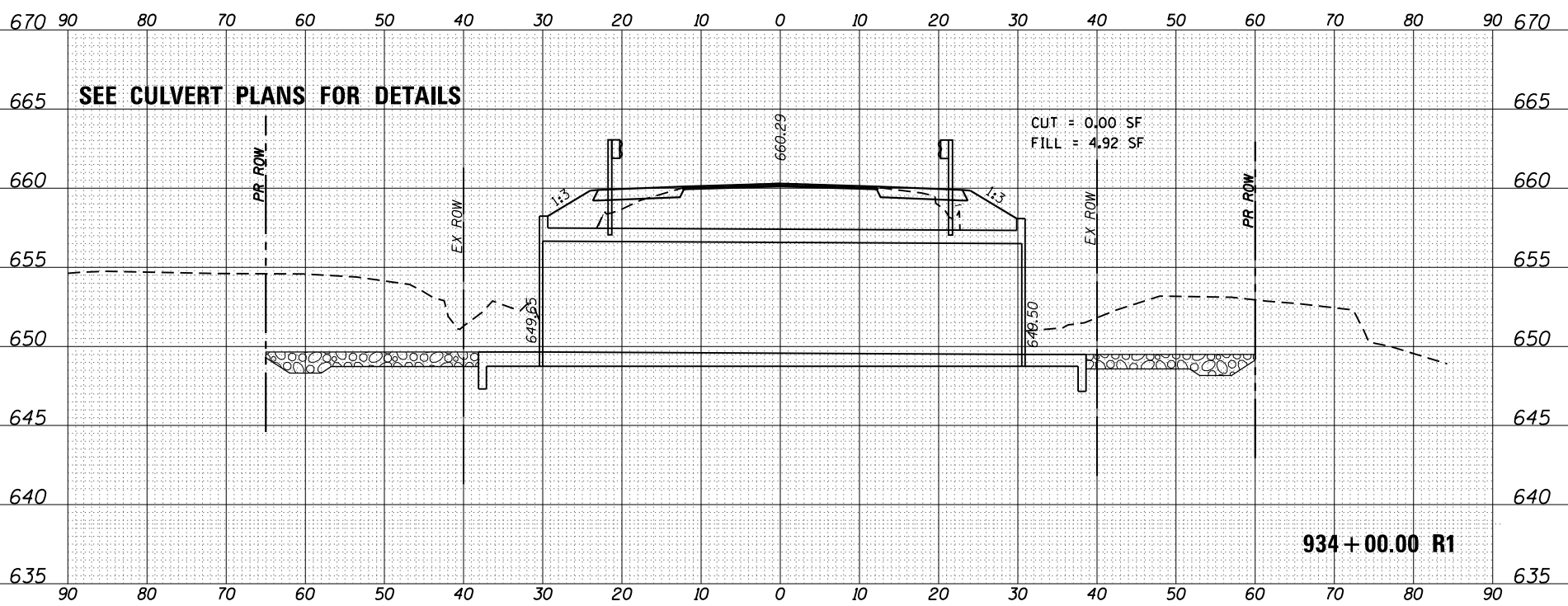
REVISED: -
 REVISED: -
 REVISED: -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SCALE:

SHEET 4 OF 7 SHEETS
 STA. 933+75.00 TO STA. 934+00.00

F.A.P. RT# 607
 SECTION 1270R-204
 COUNTY KENDALL
 CONTRACT NO. 66F61
 TOTAL SHEET NO. 32



ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
	TEMPLATE		
	AREAS		
	AREAS CHECKED		

FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
	TEMPLATE		
	AREAS		
	AREAS CHECKED		



Professional Engineer
 State of Illinois
 License No. 0001

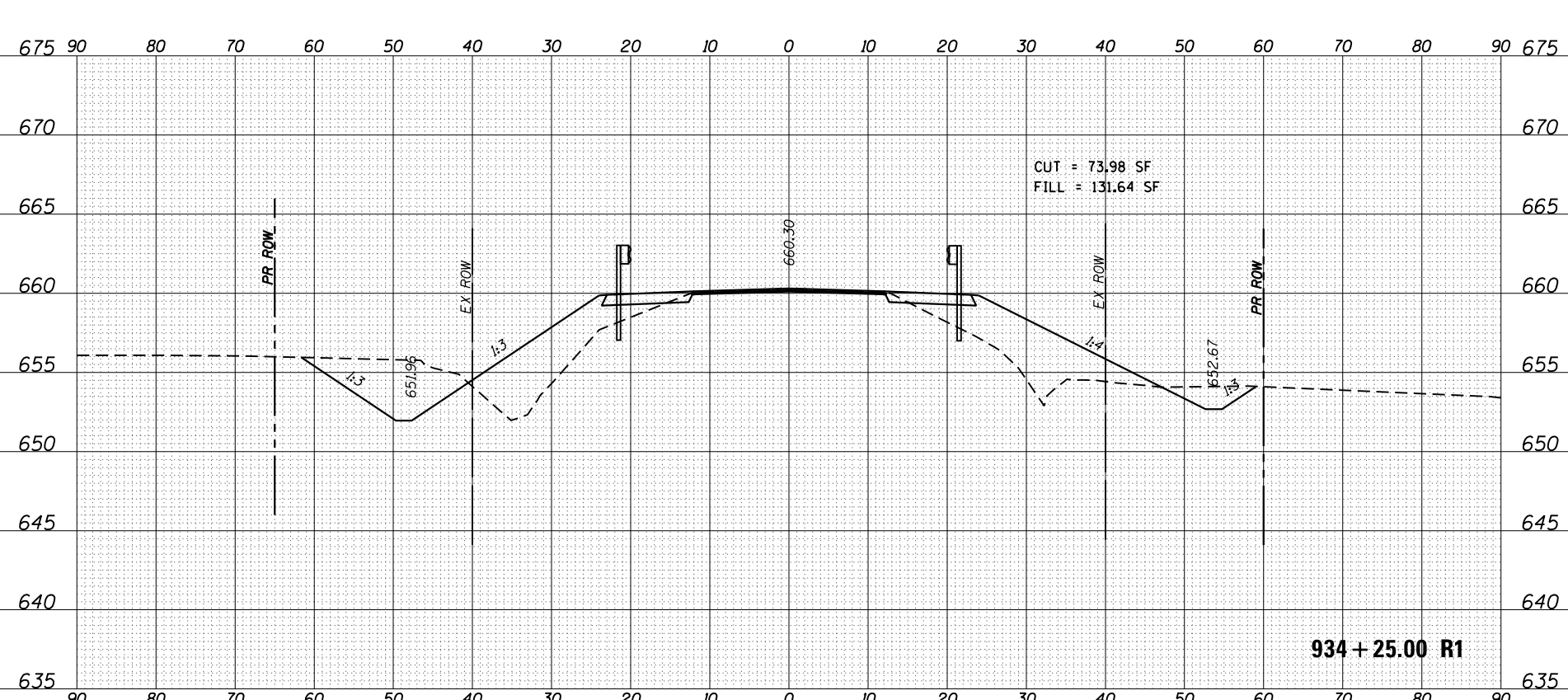
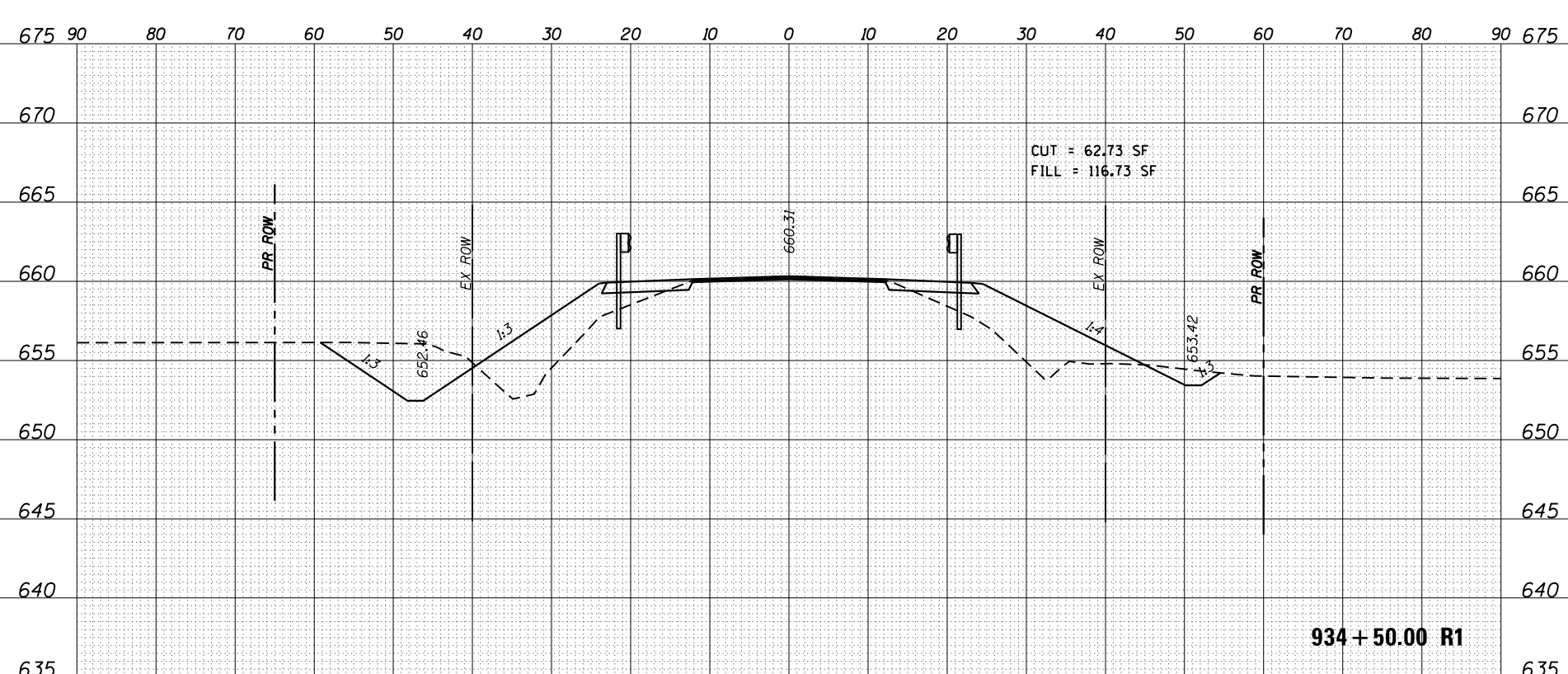
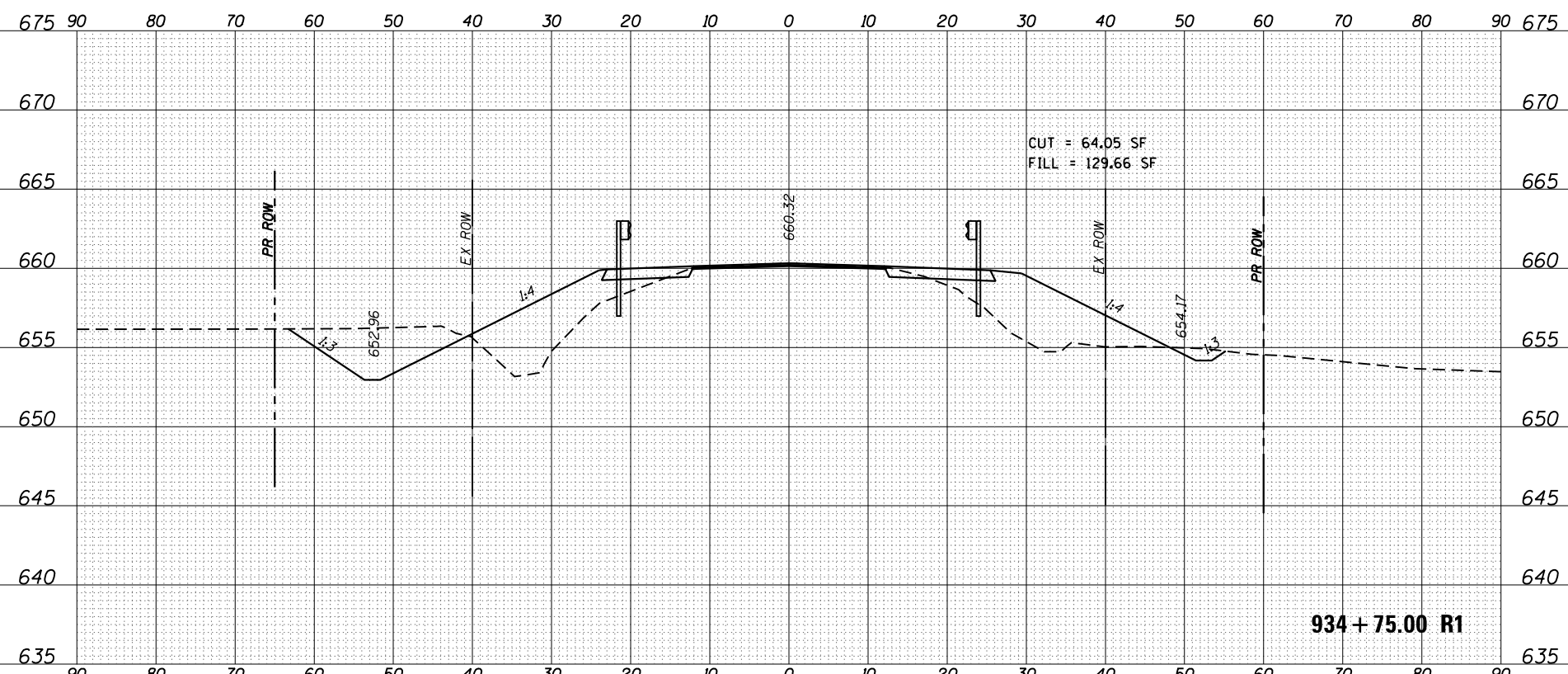
USER NAME: eglison
 DESIGNED: RWK
 DRAWN: RWK
 CHECKED: JNR
 DATE: 8/11/2017

REVISIONS:
 REVISION NO. 1: [Blank]
 REVISION NO. 2: [Blank]
 REVISION NO. 3: [Blank]

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

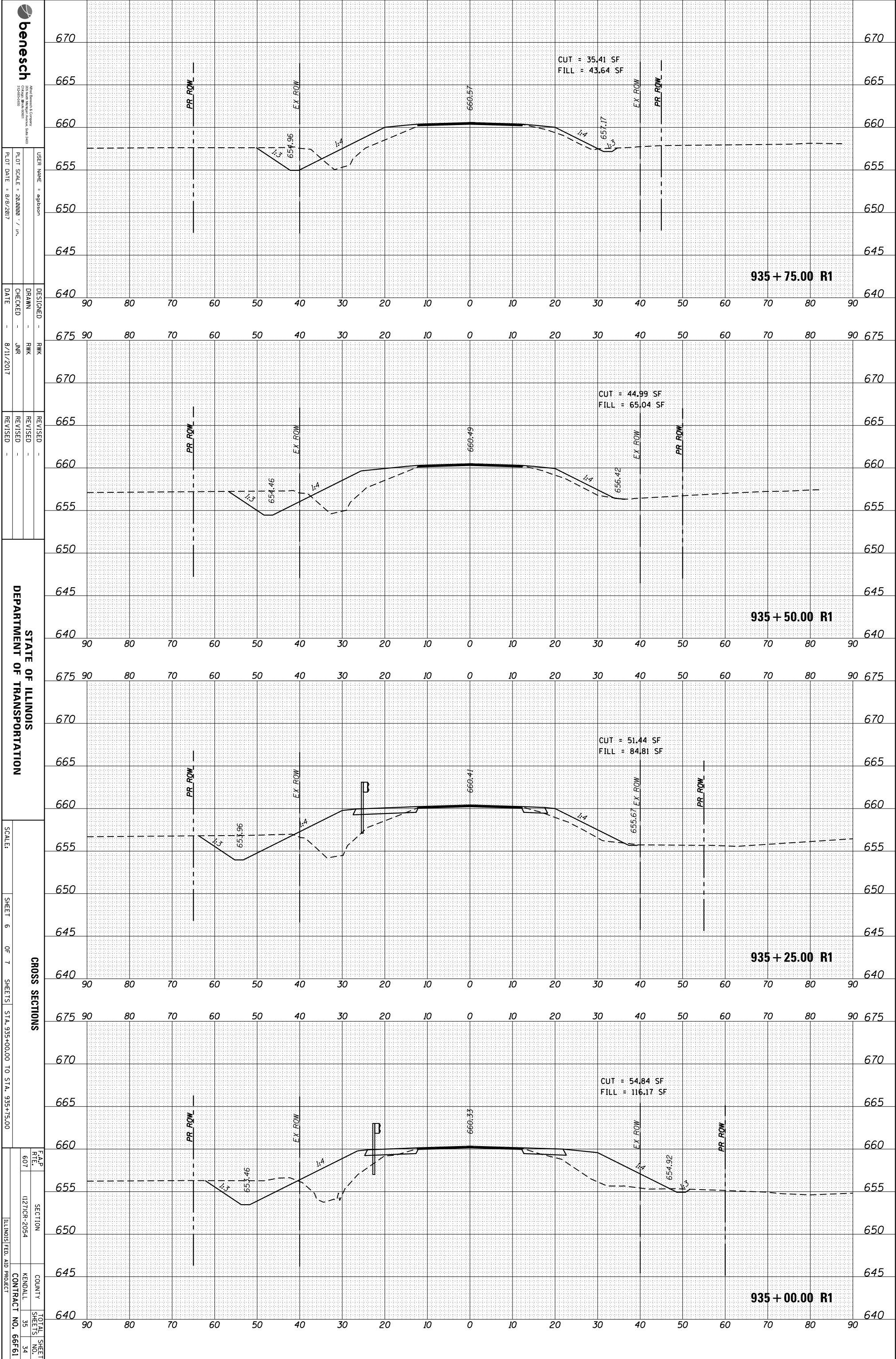
CROSS SECTIONS
 SHEET 5 OF 7 SHEETS
 STA. 934+25.00 TO STA. 934+75.00

F.A.P. R.T.E. 607
 SECTION 1270R-2504
 COUNTY KENDALL
 CONTRACT NO. 66F61
 TOTAL SHEET NO. 33



ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
	TEMPLATE		
	AREAS		
	AREAS CHECKED		

FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
	TEMPLATE		
	AREAS		
	AREAS CHECKED		



benesch
 CONSULTING ENGINEERS
 100 N. LAKE ST.
 CHICAGO, ILL. 60601
 (312) 540-8000

USER NAME: eagleson
 DRAWN: RWK
 CHECKED: JMR
 DATE: 8/11/2017

DESIGNED: RWK
 REVISIONS:
 REVISION NO. DATE BY

DEPARTMENT OF TRANSPORTATION

SCALE: SHEET 6 OF 7 SHEETS STA. 935+00.00 TO STA. 935+75.00

CROSS SECTIONS

F.A.P. RT# 607
 SECTION 1270R-2054
 COUNTY KENDALL
 CONTRACT NO. 66F61

TOTAL SHEET NO. 34

935 + 75.00 R1

935 + 50.00 R1

935 + 25.00 R1

935 + 00.00 R1

CUT = 35.41 SF
 FILL = 43.64 SF

CUT = 44.99 SF
 FILL = 65.04 SF

CUT = 51.44 SF
 FILL = 84.81 SF

CUT = 54.84 SF
 FILL = 116.17 SF

ORIGINAL SURVEY	SURVEYED _____	BY _____	DATE _____
NOTE BOOK	PLOTTED _____		
	TEMPLATE _____		
	AREAS _____		
	AREAS CHECKED _____		

FINAL SURVEY	SURVEYED _____	BY _____	DATE _____
NOTE BOOK	PLOTTED _____		
	TEMPLATE _____		
	AREAS _____		
	AREAS CHECKED _____		



Professional Engineering Firm
 127 North Dearborn Street, Suite 200
 Chicago, Illinois 60610
 312.541.2000

USER NAME: eglison
 DRAWN: RWK
 CHECKED: JNR
 DATE: 8/11/2017

DESIGNED: RWK
 DRAWN: RWK
 CHECKED: JNR
 DATE: 8/11/2017

REVISIONS:
 1. REVISED: _____
 2. REVISED: _____
 3. REVISED: _____

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SCALE:

SHEET 7 OF 7 SHEETS

STA. 936+00.00 TO STA. 936+50.00

CROSS SECTIONS

F&P	SECTION	COUNTY	TOTAL SHEET
RT# 607	127DR-2504	KENDALL	SHEETS NO. 35
		CONTRACT NO. 66F61	
		ILLINOIS FED. AID PROJECT	

