

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
607	125 BR, BR-1, BR-2	LASALLE	83	1
ILLINOIS			CONTRACT NO. 66D49	

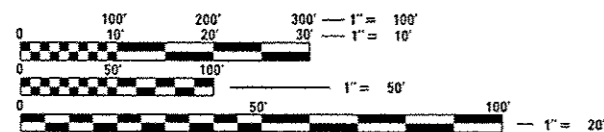
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- 76-80 CROSS SECTIONS - SN 050-0151
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# PROPOSED HIGHWAY PLANS

FAP ROUTE 607 (US 52)  
SECTION 125BR, BR-1, BR-2  
PROJECT : ACF-0607 (083)  
3 STRUCTURE REPLACEMENTS  
LASALLE COUNTY

## HIGHWAY STANDARDS

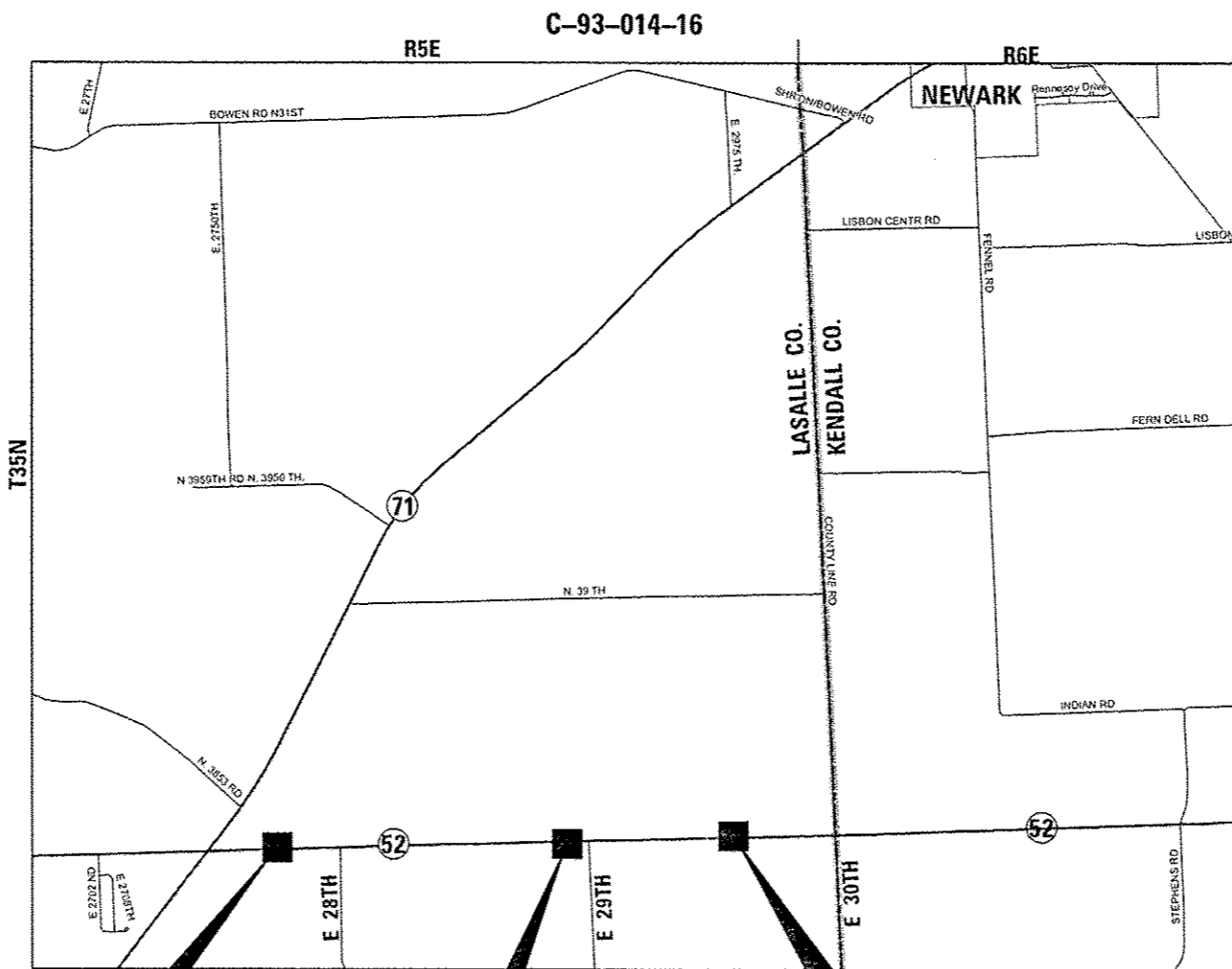
- BLR 21-9 TYPICAL APPLICATIONS OF TRAFFIC CONTROL DEVICES FOR CONSTRUCTION ON RURAL LOCAL HIGHWAYS
- BLR 22-7 TYPICAL APP OF T.C.D. RURAL LOCAL HIGHWAY (2-LANE 2-WAY RURAL TRAF.) (ROAD CLOSED TO THRU TRAFFIC)
- 000001-06 STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
- 001001-02 AREAS OF REINFORCEMENT BARS
- 001006 DECIMAL OF AN INCH AND OF A FOOT
- 280001-07 TEMPORARY EROSION CONTROL SYSTEMS
- 406201-01 MAILBOX TURNOUT
- 482001-02 HMA SHOULDER ADJACENT TO FLEXIBLE PAVEMENT
- 482011-03 HMA SHLD. STRIPS/SHLDS. WITH RESURFACING OR WIDENING AND RESURFACING PROJECTS
- 515001-03 NAME PLATE FOR BRIDGES
- 542001-06 CONCRETE END SECTIONS FOR PIPE CULVERTS 15" (275 mm) THRU 84" (2400 mm) DIA.
- 542401-02 METAL END SECTION FOR PIPE CULVERTS
- 630001-10 STEEL PLATE BEAM GUARDRAIL
- 630101-09 GUARDRAIL MOUNTED ON EXISTING CULVERTS
- 630201-06 PCC/HMA STABILIZATION AT STEEL PLATE BEAM GUARDRAIL
- 630301-06 SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS
- 666001-01 RIGHT-OF-WAY MARKERS
- 667101-02 PERMANENT SURVEY MARKERS
- 701001-02 OFF-ROAD OPERATIONS 2L, 2W, MORE THAN 15' (4.5 m) AWAY
- 701006-05 OFF-ROAD OPERATIONS 2L, 2W, 15' (4.5 m) TO 24" (600 mm) FROM PAVEMENT EDGE
- 701201-04 LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS ≥ 45 MPH
- 701301-04 LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
- 701311-03 LANE CLOSURE, 2L, 2W, MOVING OPERATIONS - DAY ONLY
- 701901-05 TRAFFIC CONTROL DEVICES
- 725001 OBJECT AND TERMINAL MARKERS
- 780001-05 TYPICAL PAVEMENT MARKINGS
- 781001-04 TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS
- 782006 GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS



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

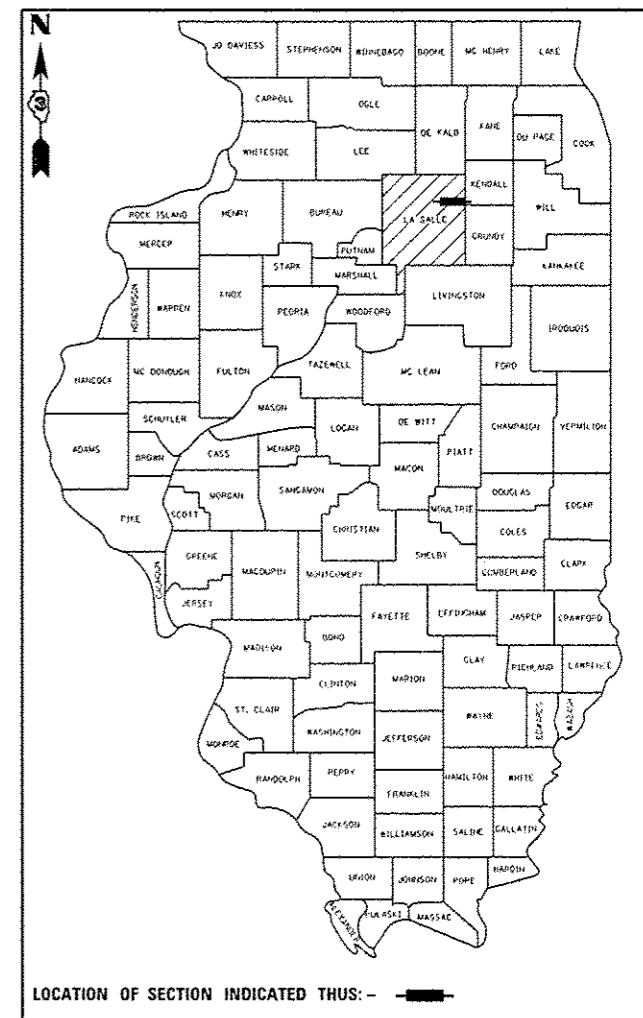
PROJECT ENGINEER: DAVE ALEXANDER, P.E.  
UNIT CHIEF: BRAD DUNCAN, P.E.  
DISTRICT NO. (815)-434-6131  
CONTRACT NO. 66D49



STA. 479 + 32 EX. SN 050-0152 PROP. SN 050-2654 8'x6' DOUBLE BARREL PRECAST BOX CULVERT	STA. 542 + 68 EX. SN 050-0151 PROP. SN 050-2653 8'x7' DOUBLE BARREL PRECAST BOX CULVERT	STA. 575 + 18.82 EX. SN 050-0060 PROP. SN 050-2059 10'x6' DOUBLE BARREL PRECAST BOX CULVERT
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GROSS LENGTH = 10000.00 FT. = 1.89 MILES      NET LENGTH = 1525.00 FT. = 0.29 MILES

P-93-019-14  
D-93-017-16



FUNCTIONAL CLASSIFICATION  
MINOR ARTERIAL (NON-URBAN)  
2015 ADT = 1825  
P.V. = 88.77%  
S.U. = 3.30%  
M.U. = 7.93%

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
SUBMITTED 8-9 2016  
K. Mankel  
REGIONAL ENGINEER  
Sept 30 2016  
M. Addis, P.E.  
ENGINEER OF DESIGN AND ENVIRONMENT  
Sept 30 2016  
Michael J. ...  
DIRECTOR OF PROGRAM DEVELOPMENT

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OF THE STATE OF ILLINOIS

**GENERAL NOTES**

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

THE HMA SURFACE OF ALL MAILBOX TURNOUTS, PRIVATE ENTRANCES, COMMERCIAL ENTRANCES, AND SIDE ROADS SHALL BE MADE NEATLY, IN A WORKMANLIKE MANNER, AND SHALL ACCURATELY CONFORM TO THE SHAPES AND DIMENSIONS SHOWN ON THE PLAN DETAILS. IF REQUIRED BY THE ENGINEER, THE CONTRACTOR SHALL SAW CUT THE HMA SURFACE TO CONFORM TO THE SHAPES AND DIMENSIONS SHOWN ON THE PLAN DETAILS. THIS WORK WILL BE INCLUDED IN THE COST OF THE HMA SURFACE.

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.

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

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

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

FOR STABILIZATION, ALL TYPE III BARRICADES 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 EARTH EXCAVATION AND FURNISHED EXCAVATION.

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

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

THE 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
LEVEL BINDER (HAND METHOD)	0.0005	TONS / SQ YD
AGGREGATE DITCH CHECKS	5	TONS AGGREGATE

PIPE CULVERT REMOVAL INCLUDES EXISTING END SECTIONS REMOVAL

MEMBERS OF JULIE KNOWN TO BE WITHIN THE LIMITS OF THE IMPROVEMENTS ARE:  
CORN BELT ENERGY  
NICOR GAS  
AT&T

**COMMITMENTS**

AT SN 050-0060 TEMPORARY FENCE AND PERIMETER EROSION BARRIER SHALL BE PLACED IN ACCORDANCE TO THE SPECIAL PROVISION "WETLAND AREAS" AT THE LOCATION SHOWN IN THE PLANS TO PROTECT THE WETLAND DURING CONSTRUCTION.

THE FOLLOWING COMMITMENTS WERE MADE WITH THE KENDALL COUNTY ENGINEER PERTAINING TO THE PROPOSED DETOUR ROUTE:

- 1) THE DETOUR ROUTE CAN ONLY BE PLACE IN PLACE BETWEEN MAY 1ST AND SEPTEMBER 30TH.
- 2) INTERMODAL CONTAINERS WEIGHING IN EXCESS OF 80,000# WILL NOT BE ALLOWED ON THE DETOUR ROUTE.
- 3) ALL OVERDIMENSION LOADS AND OVERWEIGHT LOADS IN EXCESS OF 80,000# MUST OBTAIN A PERMIT FROM THE KENDALL COUNTY HIGHWAY DEPARTMENT PRIOR TO USING THE DETOUR ROUTE.
- 4) NEWARK ROAD (CH 4) WILL BE JOINTLY INSPECTED BY THE STATE AND THE COUNTY BEFORE AND AFTER THE USE OF THE DETOUR TO DETERMINE IF ANY DAMAGES TO THE ROADWAY WERE DUE TO THE USE AS A DETOUR ROUTE.

STRUCTURE NOS. 050-0060, 050-0151 & 050-0152 ARE 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

PREPARED BY: Tom Beaul  
DISTRICT STUDIES & PLANS ENGINEER

DATE: August 9, 2016

EXAMINED BY: [Signature]  
DISTRICT CONSTRUCTION ENGINEER

[Signature]  
DISTRICT MATERIALS ENGINEER

[Signature]  
DISTRICT OPERATIONS ENGINEER

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES & COMMITMENTS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
607	125BR, BR-1, BR-2	LASALLE	83	2
CONTRACT NO. 66049				
ILLINOIS FED. AID PROJECT				

SCALE: SHEET OF SHEETS STA. TO STA.

FILE NAME	USER NAME	DESIGNED	REVISED
c:\p\work\p\d\td\ducaenbd\0374948\0366049-shl-cover.dgn	ducaenbd	DRAWN	REVISED
		CHECKED	REVISED
		DATE	REVISED

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE		
				FEDERAL =80% STATE =20% BOX CULVERT	FEDERAL =80% STATE =20% BOX CULVERT	FEDERAL =80% STATE =20% BOX CULVERT
				0011	0011	0011
				S. N. 050-2654	S. N. 050-2653	S. N. 050-2059
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	564	312	252	
20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	450	238	194	18
20101000	TEMPORARY FENCE	FOOT	179			179
20200100	EARTH EXCAVATION	CU YD	2459	691	856	912
20400800	FURNISHED EXCAVATION	CU YD	471	441	30	
20700220	POROUS GRANULAR EMBANKMENT	CU YD	651	196	282	173
20800150	TRENCH BACKFILL	CU YD	48		48	
25000210	SEEDING, CLASS 2A	ACRE	2.72	0.89	0.94	0.89
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	246	80	85	81
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	246	80	85	81
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	246	80	85	81
25100630	EROSION CONTROL BLANKET	SO YD	13207	4273	4606	4328
25100900	TURF REINFORCEMENT MAT	SO YD	846		453	393
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	272	89	94	89

14  
 △ SPECIALTY ITEMS

FILE NAME =	USER NAME = duncenbd	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>SUMMARY OF QUANTITIES</b>			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
p:\110846810\INTEG.ILLINOIS.GOV\FW1007\Documents\DOT Offices\District 3\Projects\03610\BRANNO\ca\EG0\sheet\0365049-ubr-500.dwg	PLOT SCALE = 100.0000' / 1"	CHECKED -	REVISED -					607	125BR, BR-1, BR-2	LASALLE	83	3
PLOT DATE = 8/3/2016	DATE -	REVISED -			SCALE: NTS	SHEET NO. 1 OF 7 SHEETS	STA.	TO STA.	CONTRACT NO. 66049			
									ILLINOIS FED. AID PROJECT			

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE		
				FEDERAL=80% STATE=20% BOX CULVERT	FEDERAL=80% STATE=20% BOX CULVERT	FEDERAL=80% STATE=20% BOX CULVERT
				0011	0011	0011
				S. N. 050-2654	S. N. 050-2653	S. N. 050-2059
		RURAL				
28000305	TEMPORARY DITCH CHECKS	FOOT	171	72	54	45
28000315	AGGREGATE DITCH CHECKS	TON	100		55	45
28000400	PERIMETER EROSION BARRIER	FOOT	3307	1111	1214	982
28000500	INLET AND PIPE PROTECTION	EACH	2		2	
28100107	STONE RIPRAP, CLASS A4	SQ YD	323	155	92	76
28200200	FILTER FABRIC	SQ YD	323	155	92	76
31100300	SUBBASE GRANULAR MATERIAL, TYPE A 4"	SQ YD	538	179	174	185
35100100	AGGREGATE BASE COURSE, TYPE A	TON	17		17	
35501323	HOT-MIX ASPHALT BASE COURSE, 9 3/4"	SQ YD	496	165	160	171
40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	1116	372	360	384
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	3113	1025	1406	682
40600527	LEVELING BINDER (HAND METHOD), IL-9.5FG, N50	TON	2	0.7	0.7	0.6
40600627	LEVELING BINDER (MACHINE METHOD), IL-9.5FG, N50	TON	188	56	87	45
40600990	TEMPORARY RAMP	SQ YD	175	40	95	40

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△ SPECIALTY ITEMS

FILE NAME >	USER NAME = duncanbd	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>SUMMARY OF QUANTITIES</b>			F.A.P. RATE:	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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PLLOT DATE = 8/3/2016	DATE -	REVISED -	REVISED -		SCALE: NTS	SHEET NO. 2 OF 7 SHEETS	STA.	TO STA.	CONTRACT NO. 66049			
									ILLINOIS FED. AID PROJECT			





CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE		
				FEDERAL=80% STATE=20% BOX CULVERT 0011	FEDERAL=80% STATE=20% BOX CULVERT 0011	FEDERAL=80% STATE=20% BOX CULVERT 0011
				S. N. 050-2654	S. N. 050-2653	S. N. 050-2059
				RURAL		
54001002	BOX CULVERT END SECTIONS, CULVERT NO. 2	EACH	4			4
54003000	CONCRETE BOX CULVERTS	CU YD	34.2	34.2		
54010806	PRECAST CONCRETE BOX CULVERTS 8' X 6'	FOOT	84	84		
54010807	PRECAST CONCRETE BOX CULVERTS 8' X 7'	FOOT	104		104	
54011006	PRECAST CONCRETE BOX CULVERTS 10' X 6'	FOOT	82			82
542A0226	PIPE CULVERTS, CLASS A, TYPE 1 21"	FOOT	120		120	
54200223	PIPE CULVERTS, CLASS D, TYPE 1 18"	FOOT	32		32	
54215553	METAL END SECTIONS 18"	EACH	2		2	
54260311	TRAVERSABLE PIPE GRATE	FOOT	972		510	462
54261621	CONCRETE END SECTION, STANDARD 542001, 21", 1:6	EACH	2		2	
60100905	PIPE DRAINS 4"	FOOT	30	10	10	10
60100915	PIPE DRAINS 6"	FOOT	30	10	10	10
60100925	PIPE DRAINS 8"	FOOT	30	10	10	10
60100935	PIPE DRAINS 10"	FOOT	10		10	

M  
△ SPECIALTY ITEMS

FILE NAME :	USER NAME : duncanbd	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>SUMMARY OF QUANTITIES</b>			P.A.P. RATE:	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
\\L08460\INTEG\Illinois.gov\PI\DOT\Documents\DOT Offices\District 3\Projects\0366\BRANNO\604\Sheets\0366049-shi-500.dwg	BRANNO	CHECKED -	REVISED -		SCALE: NTS	SHEET NO. 4 OF 7 SHEETS	STA.	TO STA.	607	125BR, BR-1, BR-2	LASALLE	83	6
PLOT SCALE = 100.0000' / in.		DATE -	REVISED -		CONTRACT NO. 66049								
PLOT DATE = 8/3/2015					(ILLINOIS) FED. AID PROJECT								





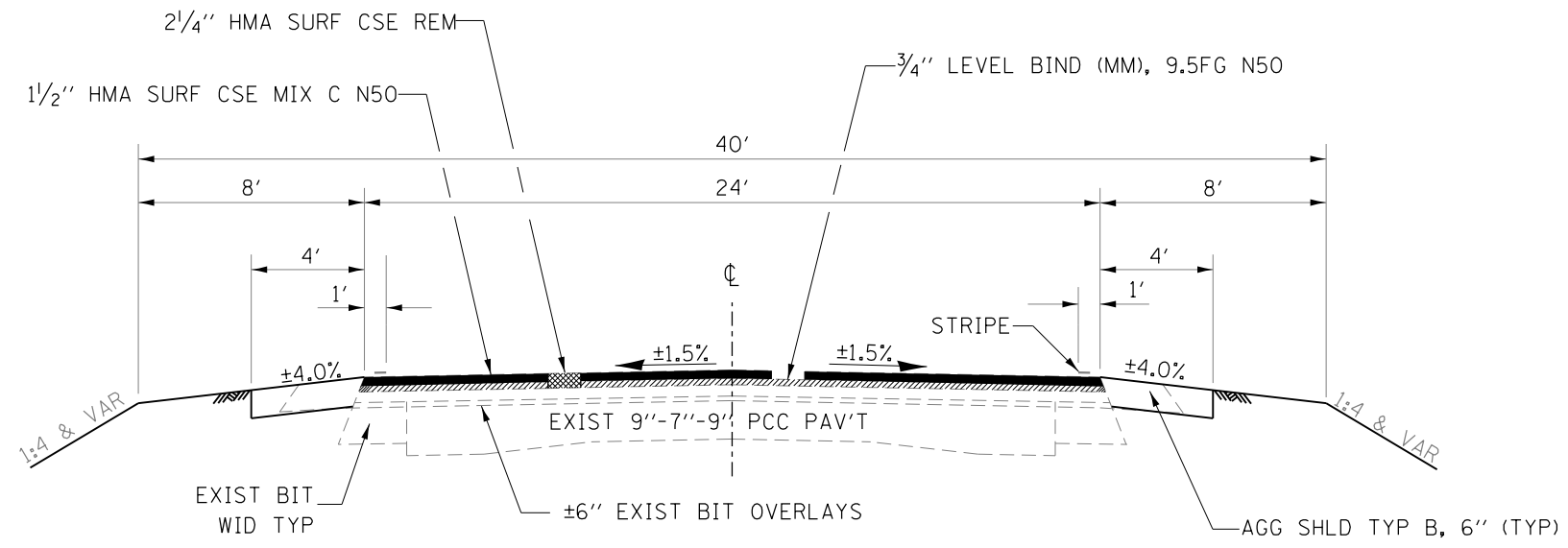
0805 1 000

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE		
				FEDERAL=80% STATE=20% BOX CULVERT	FEDERAL=80% STATE=20% BOX CULVERT	FEDERAL=80% STATE=20% BOX CULVERT
				0011	0011	0011
				S.N. 050-2654	S.N. 050-2653	S.N. 050-2059
X0327726	MEMBRANE WATERPROOFING FOR CULVERTS	SO YD	401	137	133	131
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	LSUM	1	0.5	0.25	0.25
Z0004552	APPROACH SLAB REMOVAL	SO YD	341	117	112	112
Z0030850	TEMPORARY INFORMATION SIGNING	SO FT	42	21		21

4

△ SPECIALTY ITEMS

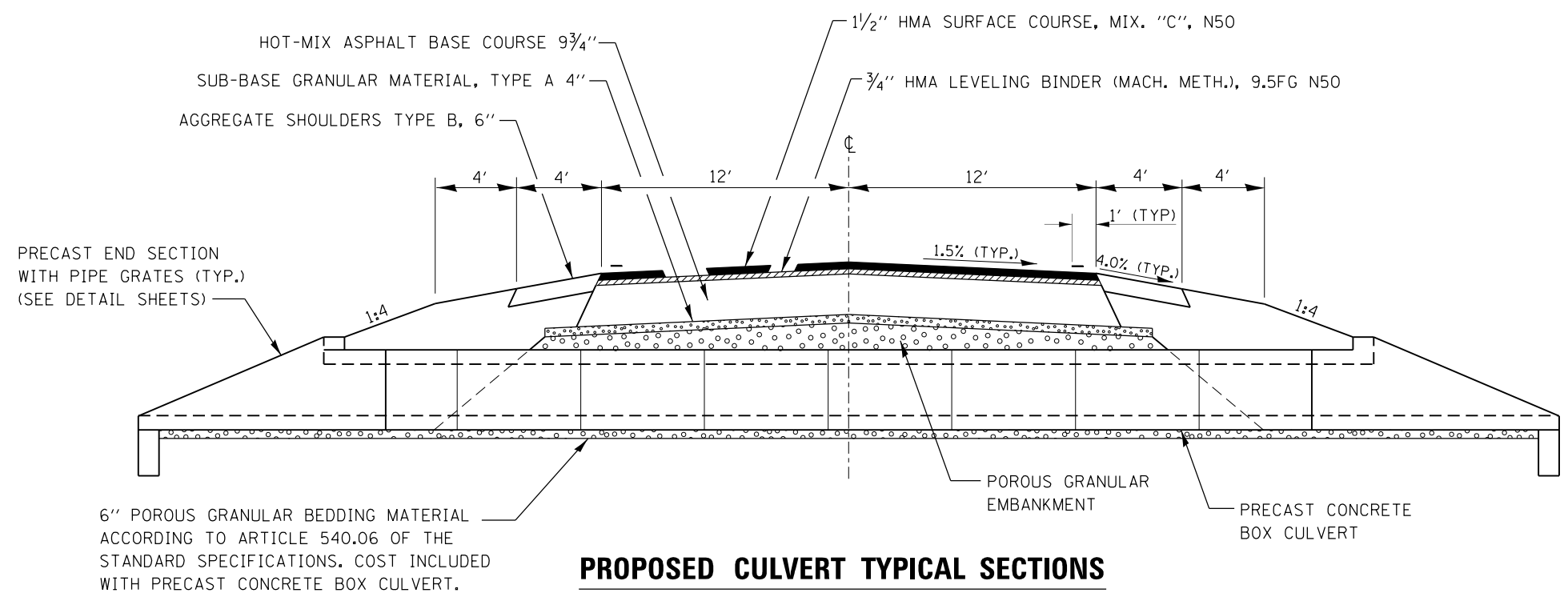
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p:\11004EBID\INTEG\illinois.gov\FWIDOT\Documents\DDOT Offices\District 3\Projects\0365\BRAYNO\11004EBID\0365049-sh1-500.d	BRAYNO	REVISED -	REVISED -			607	125BR, BR-1, BR-2	LASALLE	83	9
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -	REVISED -			CONTRACT NO. 66049				
PLOT DATE = 8/2/2016	DATE -	REVISED -	REVISED -			SCALE: NTS	SHEET NO. 7 OF 7 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT



### PROPOSED ROADWAY TYPICALS

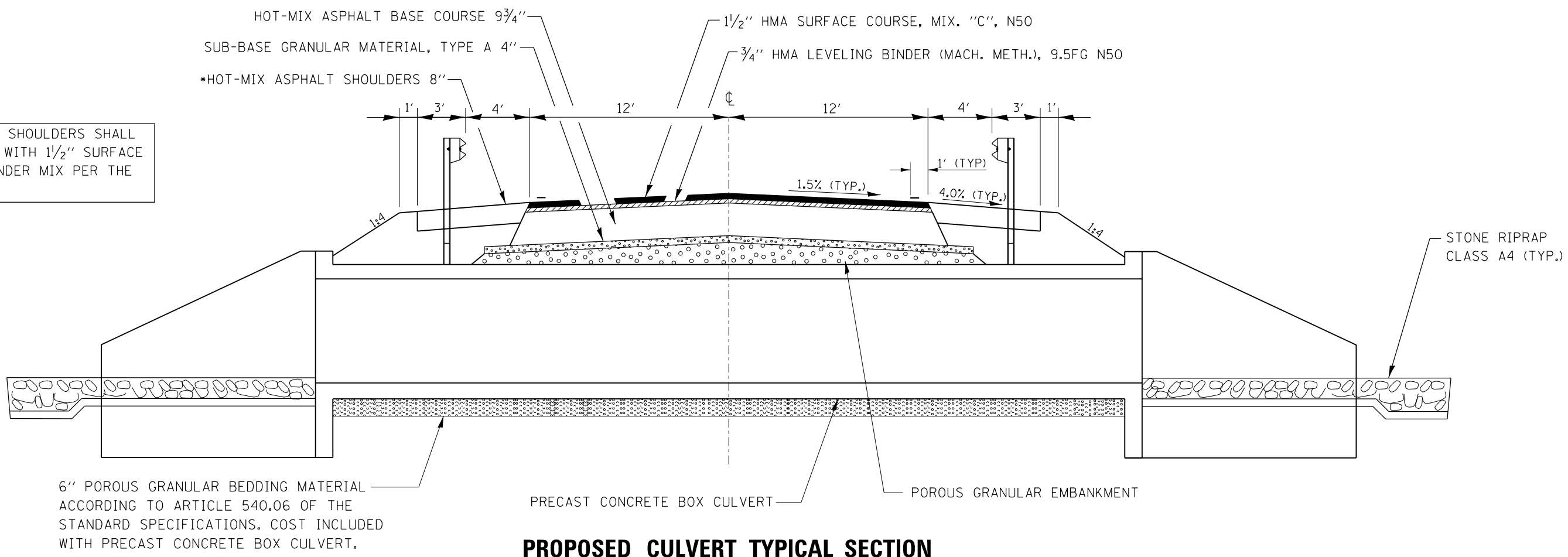
- STA 477+00 TO STA 479+28
- STA 479+46 TO STA 482+00
- STA 540+50 TO STA 542+58
- STA 542+78 TO STA 546+75
- STA 573+00 TO STA 575+07
- STA 575+29 TO STA 577+00

HMA MIXTURE REQUIREMENT TABLE					
MIXTURE USE(S):	HMA SURF CSE & TOP LIFT HMA SHOULDERS	LEVELING BINDER	HMA BASE COURSE	HMA SHLDS BOTTOM LIFT & CLASS D PATCH	INCIDENTAL HMA SURFACE
BINDER GRADE (PG):	PG 64-22	PG 64-22	PG 64-22	PG 64-22	PG 64-22
DESIGN AIR VOIDS:	4.0% @ N50	4.0% @ N50	4.0% @ N50	4.0% @ N50	4.0% @ N50
MIXTURE COMPOSITION: (MIXTURE GRADATION)	IL-9.5	IL-9.5FG	IL-19.0 FG	IL-19.0 FG	IL-9.5
FRICTION AGGREGATE:	MIX C				MIX C
DENSITY TEST METHOD:	CORES	% GROWTH CURVE	CORES	CORES	SATISFACTION OF ENGINEER
MIXTURE WEIGHT:	112.0 LB/SY/IN	112.0 LB/SY/IN	112.0 LB/SY/IN	112.0 LB/SY/IN	112.0 LB/SY/IN
QUALITY MANAGEMENT PROGRAM:	QC/QA	QC/QA	QC/QA	QC/QA	QC/QA
SUBLOT SIZE:	N/A	N/A	N/A	N/A	N/A
LOCATION(S):	ENTIRE PROJECT	ENTIRE PROJECT	ENTIRE PROJECT	ENTIRE PROJECT	ENTIRE PROJECT



**PROPOSED CULVERT TYPICAL SECTIONS**

STA. 542+68 SN 050-0151  
 STA. 575+18.82 SN 050-0060



\*HOT-MIX ASPHALT SHOULDERS SHALL BE CONSTRUCTED WITH 1 1/2" SURFACE MIX AND 6 1/2" BINDER MIX PER THE MIXTURES TABLE

**PROPOSED CULVERT TYPICAL SECTION**

STA. 479+37 SN 050-0152

FILE NAME =	USER NAME = duncanbd	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>TYPICAL SECTIONS</b>			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\IL\084EBIDINTEG.illinois.gov\PI\DOT\Documents\DOT Offices\District 3\Projects\0366\DRAWING\DATA\EAD\Sheets\0366049-sht-typical		CHECKED -	REVISED -		607	125BR, BR-1, BR-2	LASALLE	83	11			
Default	PLOT SCALE = 100.0000' / in.	DATE -	REVISED -		SCALE: NTS SHEET 2 OF 2 SHEETS STA. TO STA.			CONTRACT NO. 66D49				
	PLOT DATE = 8/3/2016				ILLINOIS FED. AID PROJECT							



EXPLORATION TRENCH 52" DEPTH				
LOCATION		SIDE	LENGTH	
STA	TO STA		FOOT	
SN 050-0152				
477+25.00	TO 478+80.00	LEFT	155	
477+00.00	TO 478+95.00	RIGHT	195	
479+60.00	TO 482+00.00	RIGHT	240	
TOTAL			590	
SN 050-0151				
540+25.00	TO 542+20.00	RIGHT	195	
543+00.00	TO 544+25.00	RIGHT	125	
TOTAL			320	
SN 050-0060				
573+00.00	TO 574+80.00	LEFT	180	
576+00.00	TO 577+00.00	LEFT	100	
573+00.00	TO 574+80.00	RIGHT	180	
TOTAL			460	
TOTALS			1370	

TREE REMOVAL				
LOCATION	NO. OF TREES	SIZE	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	TREE REMOVAL (OVER 15 UNITS DIAMETER)
		IN DIA.	UNIT	UNIT
SN 050-0152				
476+75 - 479+37 RT	4	6	24	
	1	7	7	
	1	9	9	
	1	10	10	
	3	11	33	
	3	12	36	
	3	15	45	
	3	16		48
	1	19		19
476+75 - 479+37 LT	1	6	6	
	1	7	7	
	3	12	36	
	2	24		48
	1	29		29
	1	30		30
479+37 - 482+25 RT	1	12	12	
	1	15	15	
	1	16		16
479+37 - 482+25 LT	1	6	6	
	3	9	27	
	1	12	12	
	1	13	13	
	1	14	14	
	1	48		48
SN 050-0151				
540+25 - 542+68 RT	1	6	6	
	4	8	32	
	1	10	10	
	5	12	60	
	2	13	26	
	1	14	14	
	1	30		30
	1	36		36
541+25 - 542+68 LT	1	7	7	
	1	8	8	
	2	9	18	
	2	24		48
542+68 - 544+79 RT	3	6		
	1	7	7	
	1	8	8	
	1	9	9	
	2	10	20	
	1	12	12	
	1	15	15	
	2	16		32
	1	24		24
542+68 - 544+50 LT	1	24		24
SN 050-0060				
575+19 - 577+25 LT	1	18		18
TOTALS			564	450



GUARDRAIL										
LOCATION			SIDE	LENGTH	TERMINAL MARKER DA	TBT TYPE 1 SP (FLARED)	SPBGR TY A 6' POSTS	SPBGR ATTACHED TO STRUCTURE	GUARDRAIL REMOVAL	GUARDRAIL REFLECTORS TYPE A
STA	TO	STA		FOOT	EACH	EACH	FOOT	FOOT	FOOT	EACH
SN 050-0152										
478+43.25	TO	478+93.25	LEFT	50.00	1	1				
478+93.25	TO	479+24.50	LEFT	31.25			31.25			1
479+24.50	TO	479+49.50	LEFT	25.00				25.00		1
479+49.50	TO	480+30.75	LEFT	81.25			81.25			2
480+30.75	TO	480+80.75	LEFT	50.00	1	1				
477+75.50	TO	480+48.50	LEFT						273	
477+93.25	TO	478+43.25	RIGHT	50.00	1	1				
478+43.25	TO	479+24.50	RIGHT	81.25			81.25			2
479+24.50	TO	479+49.50	RIGHT	25.00				25.00		1
479+49.50	TO	479+80.75	RIGHT	31.25						1
479+80.75	TO	480+30.75	RIGHT	50.00	1	1	31.25			
478+25.00	TO	480+48.00	RIGHT						223	
SN 050-0151										
542+00.00	TO	543+80.00	LEFT						180	
541+56.60	TO	543+49.80	RIGHT						223	
SN 050-0060										
574+05.00	TO	576+32.00	LEFT						227	
574+05.00	TO	576+32.00	RIGHT						227	
TOTAL				475	4	4	225	50	1353	8

SIDEROAD AND ENTRANCE SCHEDULE								
LOCATION	SIDE	AGG BSE	HMA SURF	BIT MAT	LEVEL	HMA SURF	INCIDENTAL	TEMP
		CSE A	REMOVAL	TACK	BINDER	CSE MIX C	HMA	RAMP
		TON	2 1/4" SQ YD	COAT POUND	(MM) TON	N50 TON	SURFACE TON	SQ YD
SN 050-0151								
544+64 (MBTO & PE)	LT	17		44			11	
545+30 SENECA RD (CH 25)	RT		404	273	17	34		55
TOTAL		17	404	317	17	34	11	55

SHOULDERS						
LOCATION			SIDE	LENGTH	AGGREGATE SHOULDERS TYPE B, 6"	HMA SHOULDERS 8"
STA	TO	STA		FOOT	SQ YD	SQ YD
SN 050-0152						
477+00.00	TO	478+19.00	LEFT	119.0	53	
478+19.00	TO	481+05.00	LEFT	286.0		362
481+05.00	TO	482+00.00	LEFT	95.0	43	
477+00.00	TO	477+69.00	RIGHT	69.0	31	
477+69.00	TO	480+55.00	RIGHT	286.0		362
480+55.00	TO	482+00.00	RIGHT	145.0	65	
TOTAL					192	724
SN 050-0151						
540+50.00	TO	544+17.00	LEFT	367.0	163	
544+81.00	TO	546+75.00	LEFT	194.0	86	
540+50.00	TO	544+37.00	RIGHT	387.0	172	
TOTAL					421	
SN 050-0060						
573+00.00	TO	577+00.00	LEFT	400.0	178	
573+00.00	TO	577+00.00	RIGHT	400.0	178	
TOTAL					356	
GRAND TOTALS					969	724

PIPE CULVERT SCHEDULE								
LOCATION	SIDE	PIPE CULV	PIPE CULV	PIPE CULV	METAL	CONC END	TRENCH	CLASS D
		REM	CLASS D	CLASS A	END	SECT STD	BACKFILL	PATCH
		FOOT	TYPE 1	TYPE 1	SECTIONS	542001	CU YD	TYPE IV
			18"	21"	18"	21" - 1:6		11"
TOTAL			FOOT	FOOT	EACH	EACH		SQ YD
SN 050-0151								
544+64 (PE)	LT	27	32		2			
545+30 SENECA RD (CH 25)	RT	127		120		2	48	96
TOTAL		154	32	120	2	2	48	96

SEEDING & EROSION CONTROL												
LOCATION	SIDE	SEEDING CLASS 2A	EROSION CONTROL BLANKET	TURF REINFORCEMENT MAT	NITROGEN FERTILIZER NUTRIENT	PHOSPHORUS FERTILIZER NUTRIENT	POTASSIUM FERTILIZER NUTRIENT	TEMP EROS CONT SEEDING	TEMP DITCH CHECKS	AGG DITCH CHECKS	PERIMETER EROSION BARRIER	INLET & PIPE PROTECTION
		ACRE	SQ YD	SQ YD	POUND	POUND	POUND	POUND	FOOT	TON	FOOT	EACH
SN 050-0152												
476+50 - 479+28	LT	0.22	1062		20	20	20	22	18		271	
476+50 - 479+28	RT	0.22	1069		20	20	20	22	18		273	
479+46 - 782+19	LT	0.19	905		17	17	17	19	18		268	
479+46 - 482+50	RT	0.26	1237		23	23	23	26	18		299	
SN 050-0151												
540+00 - 542+63	LT	0.21	1027	74	19	19	19	21		15	256	
540+00 - 542+53	RT	0.23	1131	141	21	21	21	23		20	246	
542+53 - 546+75	LT	0.26	1274	115	23	23	23	26	45		379	2
542+73 - 546+75	RT	0.24	1174	123	22	22	22	24	9	20	333	
SN 050-0060												
572+50 - 575+07	LT	0.24	1157	41	22	22	22	24	18	5	258	
572+50 - 575+07	RT	0.23	1091	108	20	20	20	23		20	258	
575+31 - 577+50	LT	0.22	1045	122	19	19	19	22	27		221	
575+31 - 577+50	RT	0.21	1034	122	19	19	19	21		20	245	
TOTAL		2.72	13207	846	245	245	245	272	171	100	3307	2

ROW MARKERS		
LOCATION	SIDE	FURNISHING & ERECTING ROW MARKERS EACH
SN 050-0152		
476+75	40' LT & RT	2
477+50	60' LT & RT	2
481+50	60' LT & RT	2
482+25	40' LT & RT	2
SN 050-0151		
540+25	40' RT	1
541+00	70' RT	1
541+25	40' LT	1
542+00	70' LT	1
543+75	70' LT	1
544+00	70' RT	1
544+50	40' LT	1
544+75	40' RT	1
SN 050-0060		
573+00	40' LT & RT	2
573+75	65' LT & RT	2
576+50	65' LT & RT	2
577+25	40' LT & RT	2
TOTAL		24

PAVEMENT MARKING								
LOCATION	PAINT			RAISED REFL PAVT MARK	TEMPORARY		SHORT TERM PAVT MARK	SHORT TERM PAVEMENT MARKING REMOVAL
	LINE 4"		LINE 6"		LINE 4"	LINE 6"		
	2 APPLICATIONS				YELLOW	YELLOW		
	WHITE	YELLOW	YELLOW		FOOT	FOOT		
	FOOT	FOOT	FOOT	EACH	FOOT	FOOT	FOOT	SQ FT
SN 050-0152								
477+00 - 482+00								
CENTERLINE			240	6		120	50	16.5
EDGELINES	1000							
SN 050-0151								
540+50 - 546+75								
NO PASSING ZONE		2500		8	1250		125	41.3
EDGELINES	1250							
SN 050-0060								
573+00 - 577+00								
CENTERLINE			200	5		100	40	13.2
EDGELINES	800							
TOTAL	3050	2500	440	19	1250	220	215	71

FILE 52-19

US RTE 52 LOCATION: 3 BRIDGES OVER MISSION CR. & TRIB., 0.3 MI TO 2.1 MI EAST OF IL 71

CONTRACT NO. 66D49

LASALLE COUNTY

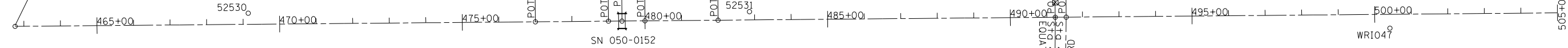
INDEX NUMBER	DESCRIPTION	EXISTING MONUMENT TYPE	PROPOSED MONUMENT TYPE	MONUMENT RECORD TO BE RECORDED	RESPONSIBILITY
052082	SW COR OF SECTION 24, T35N, R5E, 3RD PM	BRASS PLAQUE	TYPE 1	YES	1

LISTED MONUMENT LOCATION HAS BEEN RECORDED BY GPS. PRE CONSTRUCTION TIES BY THE R.E. ARE NOT REQUIRED. THE R.E. MUST TIE AND BRING TO THE ATTENTION OF THE PLATS AND PLANS MANAGER ANY ADDITIONAL UNLISTED MONUMENTS FOUND. UPON PAVING COMPLETION, THE R.E. WILL DIRECT THE PLATS AND PLANS MANAGER TO STAKE THE LOCATION FOR TYPE 1 MONUMENT CORING PLATS AND PLANS WILL PREPARE AND RECORD THE REQUIRED MONUMENT RECORD

**RESPONSIBILITY:**

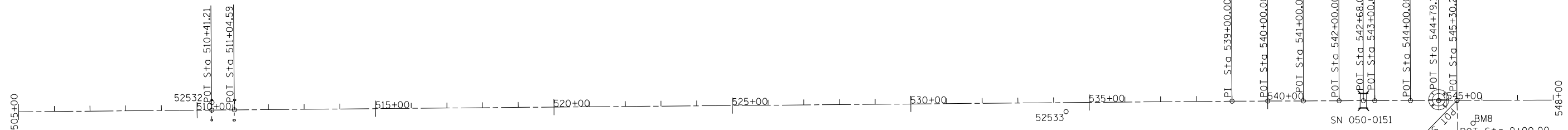
- 1) RESIDENT TO RE-ESTABLISH MONUMENT (PAY ITEM REQUIRED. PERMANENT SURVEY MARKER, TYPE 1)
- 2) PLATS AND PLANS TO RE-ESTABLISH MONUMENT

PI Sta 462+75.83 Rte 52 =  
Sta 666+02.14 Rte 71

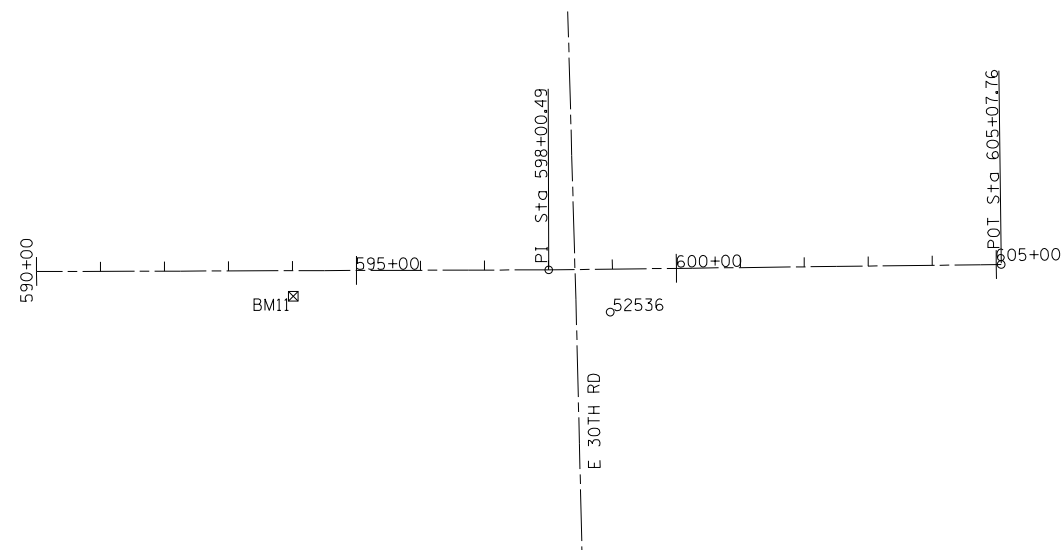
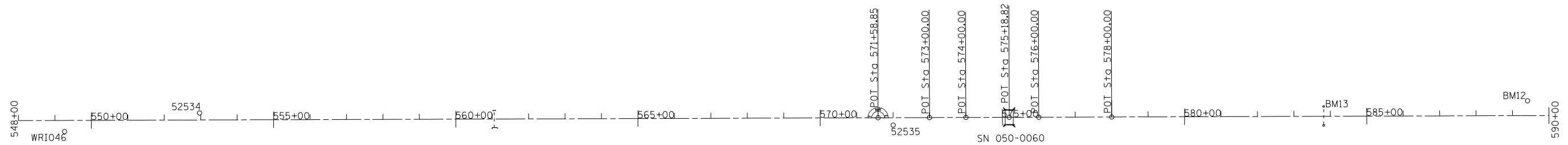


HORIZONTAL CONTROL POINTS						
POINT	NORTHING	EASTING	STATION EXISTING ALIGNMENT	STATION EXISTING OFFSET	ELEVATION	DESCRIPTION
40	1755404.9160	898467.9590	462+75.83	CENTERLINE		PI
52530	1755440.8690	899106.0300	469+14.19	30.37' LT	638.58	SURVEY POINT
41	1755417.3823	899892.0776	477+00	CENTERLINE		POT
42	1755419.1329	900092.0699	479+00	CENTERLINE		POT
44	1755419.4568	900129.0685	479+37	CENTERLINE		POT
45	1755420.0083	900192.0661	480+00	CENTERLINE		POT
46	1755421.7590	900392.0584	482+00	CENTERLINE		POT
52531	1755445.0410	900478.0280	482+86.17	22.53' LT	635.49	SURVEY POINT
80	1755429.8388	901315.0857	491+25.55	CENTERLINE		POT
48	1755430.1011	901345.0434	491+55.51	CENTERLINE		POT
WR1047	1755399.9270	902231.1610	500+41.33	37.93' RT	653.47	GPS CONTROL POINT
49	1755446.6073	903230.6717	510+41.21	CENTERLINE		POT
52532	1755467.9890	903231.2180	510+41.94	21.38' LT	655.24	SURVEY POINT
50	1755447.1621	903294.0545	511+04.59	CENTERLINE		POT

BENCHMARKS						
NO.	NORTHING	EASTING	STATION EXISTING ALIGNMENT	OFFSET EXISTING ALIGNMENT	ELEVATION	DESCRIPTION
BM0152	1755397.7930	900120.3680	479+28.11	21.59' RT	635.49	CHIS " □ " ON SW WINGWALL
BM5	1755470.8490	901315.1480	491+25.97	41.01' LT	642.75	TOP ROW MARKER
BM8	1755409.9460	906764.7420	545+75.18	63.90' RT	681.18	RR SPIKE IN PP
BM0151	1755494.5520	906466.0140	542+76.73	21.68' LT	678.7	CHIS " □ " ON NE WINGWALL

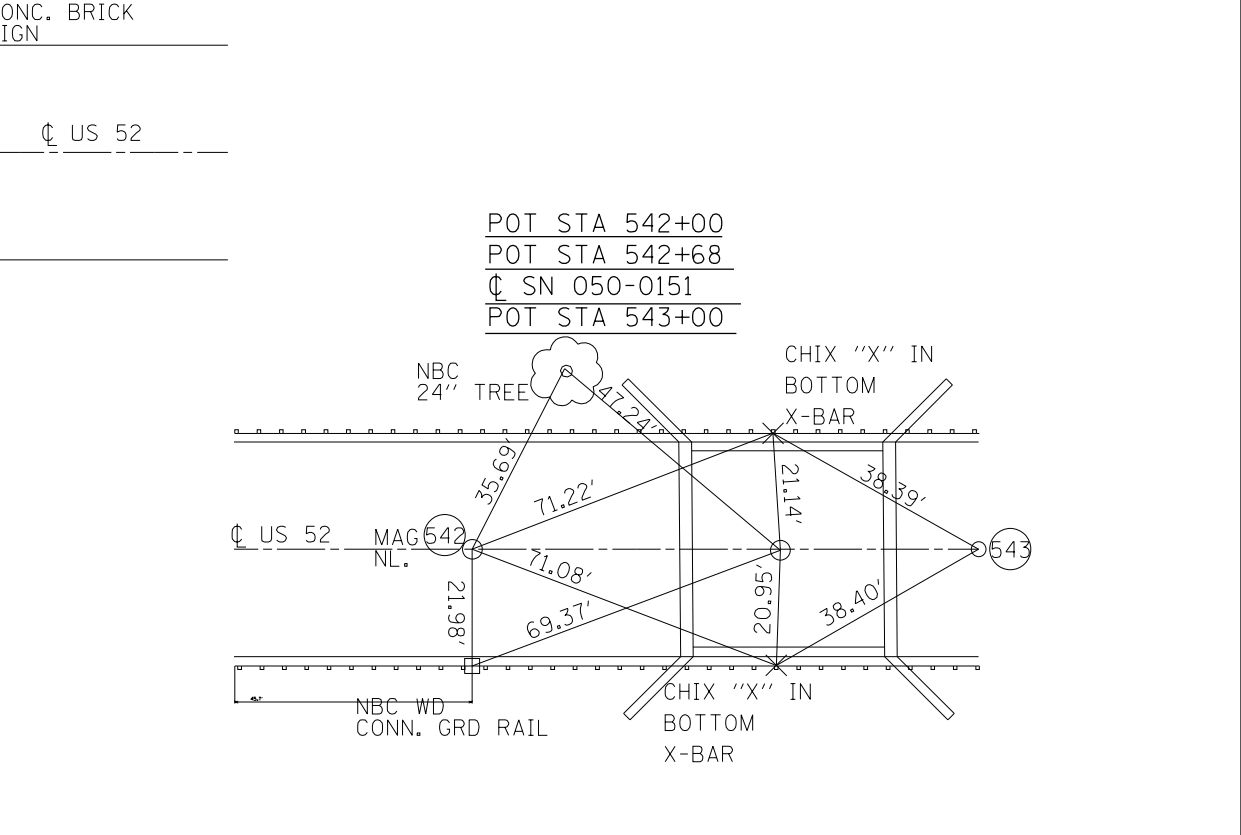
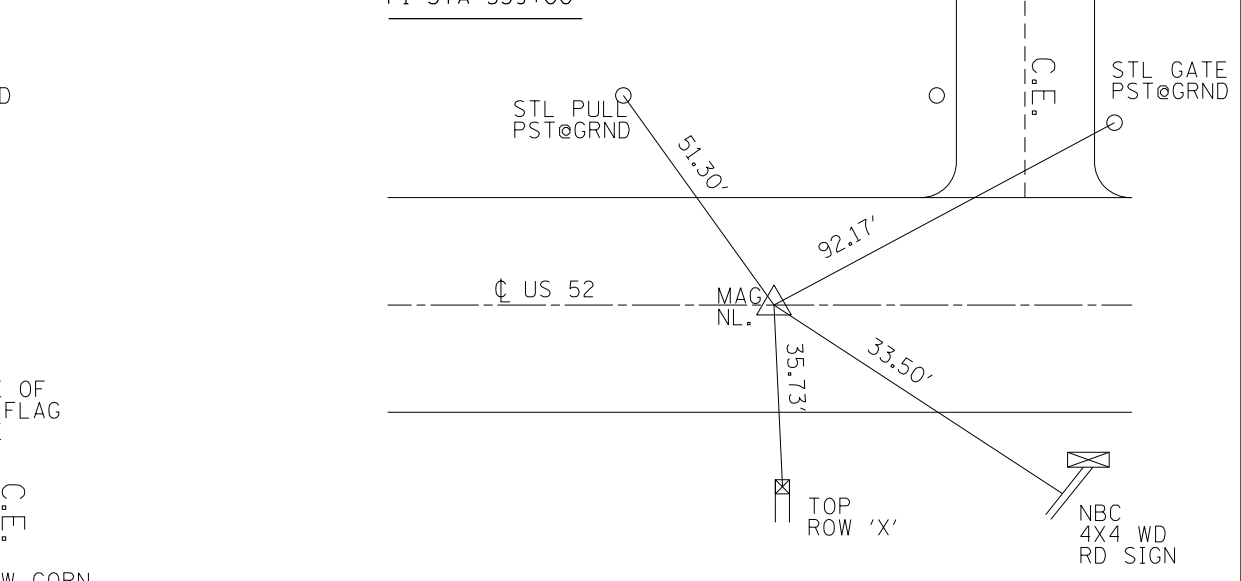
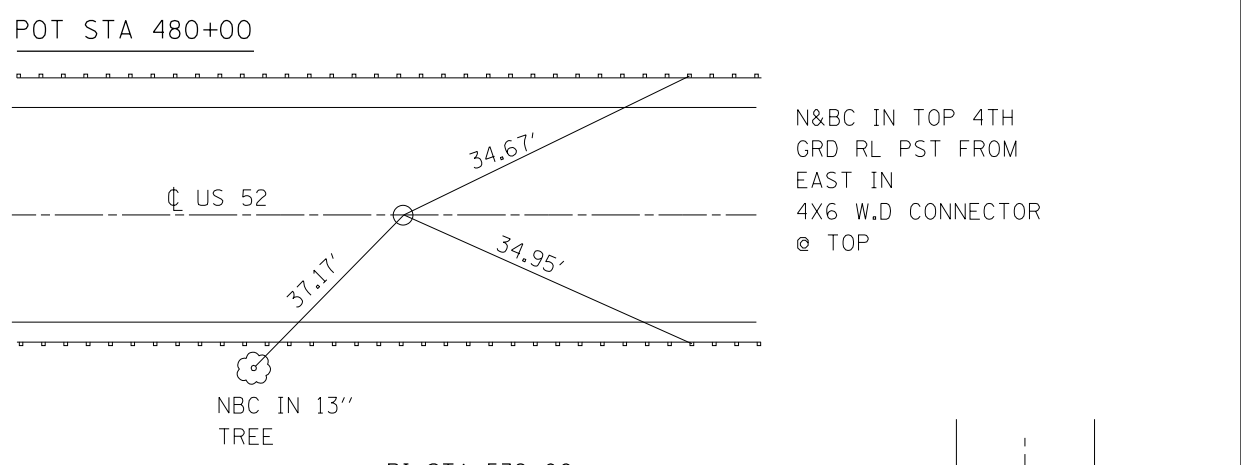
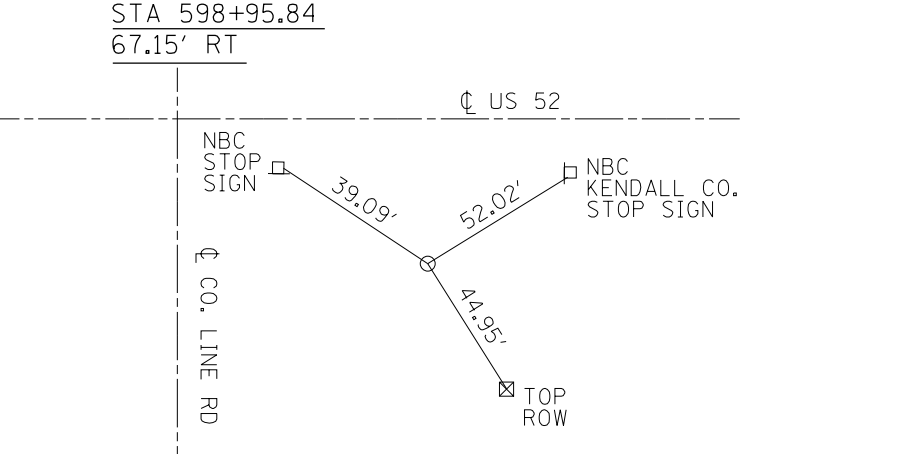
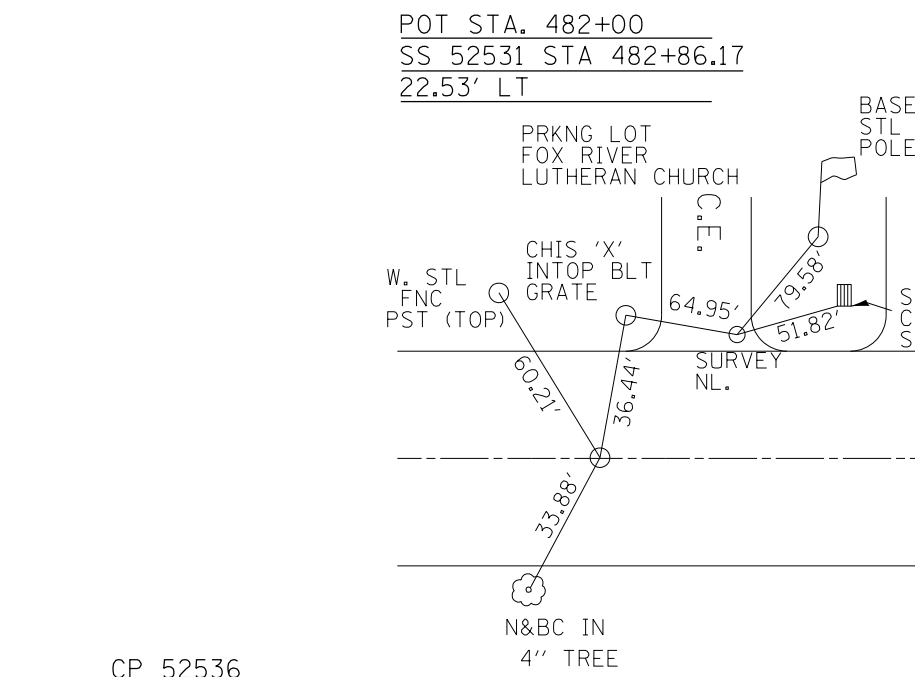
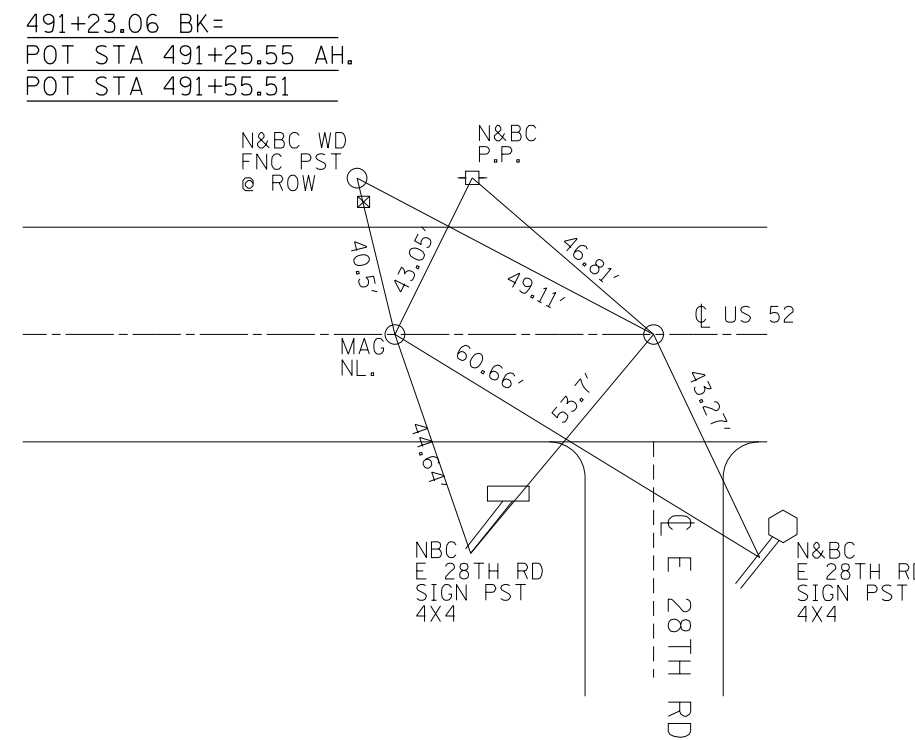
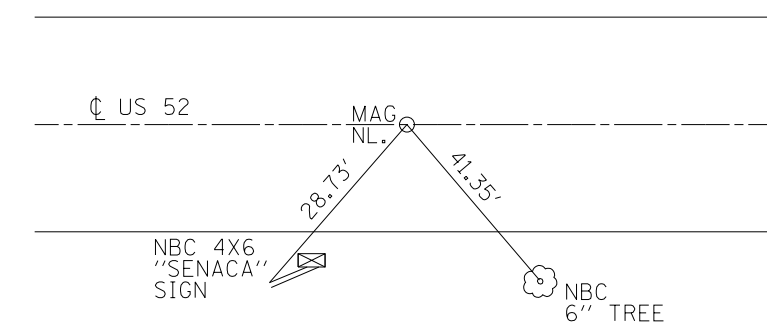
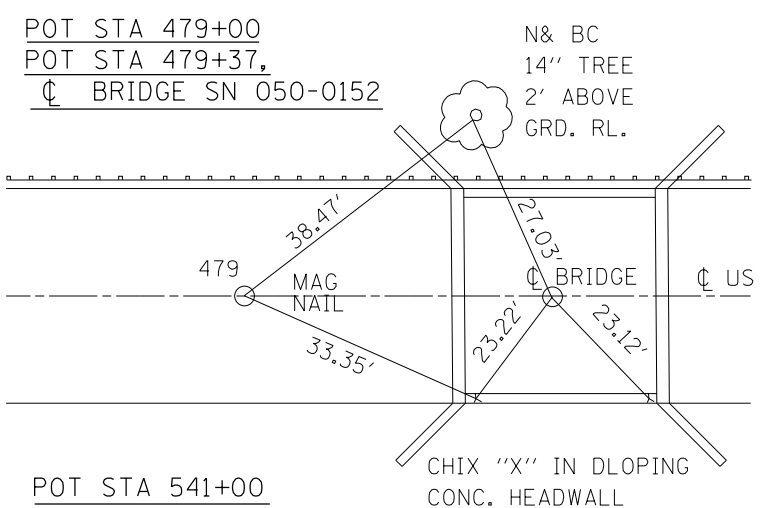
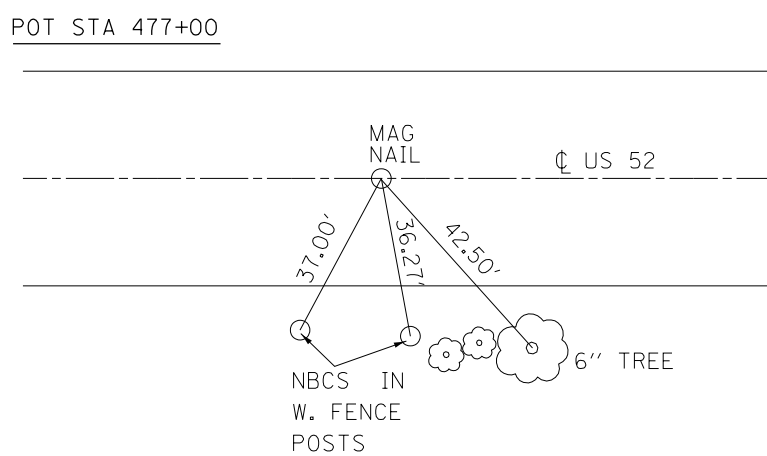
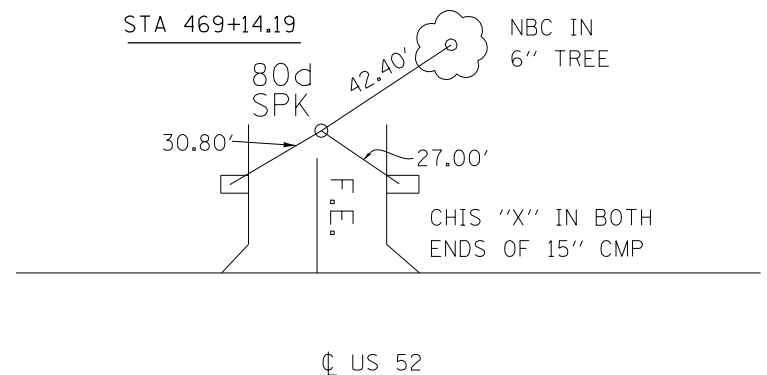


HORIZONTAL CONTROL POINTS						
POINT	NORTHING	EASTING	STATION EXISTING ALIGNMENT	STATION EXISTING OFFSET	ELEVATION	DESCRIPTION
52533	1755442.3920	905624.2540	534+34.66	25.17' RT	689.28	SURVEY POINT
51	1755471.6313	906089.3566	539+00	CENTERLINE		POT
52	1755471.9595	906189.3561	540+00	CENTERLINE		POT
54	1755472.2878	906289.3555	541+00	CENTERLINE		POT
56	1755472.6160	906389.3550	542+00	CENTERLINE		POT
58	1755472.8392	906457.3546	542+68	CENTERLINE		POT
60	1755472.9443	906489.3545	543+00	CENTERLINE		POT
62	1755473.2725	906589.3539	544+00	CENTERLINE		POT
64	1755473.5324	906668.5286	544+79.18	CENTERLINE		POT
65	1755473.7001	906719.6299	545+30.28	CENTERLINE		POT
86	1755215.7309	906725.8508	7+41.96	CENTERLINE		POT
88	1755373.7292	906722.0407	9+00	CENTERLINE		POT



HORIZONTAL CONTROL POINTS						
POINT	NORTHING	EASTING	STATION EXISTING ALIGNMENT	STATION EXISTING OFFSET	ELEVATION	DESCRIPTION
WR1046	1755444.4230	907115.8780	549+26.43	30.58' RT	682.81	GPS CONTROL POINT
52534	1755495.4090	907486.2620	552+96.98	19.19' LT	687.72	SURVEY POINT
66	1755482.3283	909348.1885	571+58.85	CENTERLINE		POT
52535	1755462.2600	909389.7130	572+00.31	20.20' RT	678.03	SURVEY POINT
68	1755482.7917	909489.3383	573+00	CENTERLINE		POT
70	1755483.1199	909589.3378	574+00	CENTERLINE		POT
72	1755483.5099	909708.1513	575+18.82	CENTERLINE		POT
74	1755483.7764	909789.3367	576+00	CENTERLINE		POT
76	1755484.4329	909989.3356	578+00	CENTERLINE		POT
77	1755490.9994	911989.8119	598+00.49	CENTERLINE		POT
52536	1755424.9810	912085.9500	598+95.84	67.15' RT	700.53	SURVEY POINT
78	1755499.3900	912697.0263	60507.76	CENTERLINE		POT

BENCHMARKS						
NO.	NORTHING	EASTING	STATION EXISTING ALIGNMENT	OFFSET EXISTING ALIGNMENT	ELEVATION	DESCRIPTION
BM0060	1755505.1540	909696.9740	545+07.71	21.68' LT	678.55	CHIS " □ " ON NW WINGWALL
BM13	1755509.4850	910573.2060	583+83.95	23.14' LT	680.66	CHIS " □ " ON BOX CULVERT
BM12	1755529.4000	911130.4360	589+41.25	41.22' LT	688.94	RR SPIKE IN PP
BM11	1755449.7890	911591.0380	594+01.58	39.90' RT	695.91	TOP OF ROW MARKER



FILE NAME =	USER NAME = duncanbd	DESIGNED -	REVISED -
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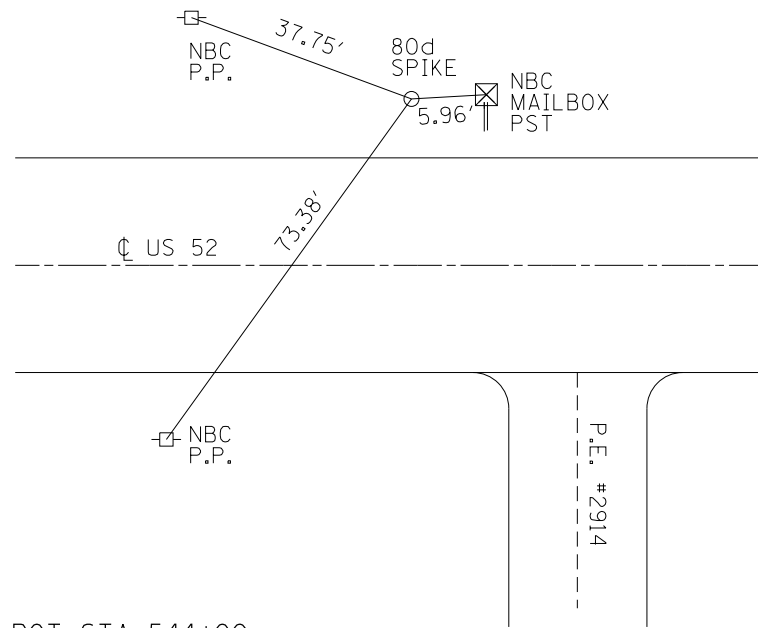
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>TIE POINTS</b>	
SCALE: NTS	SHEET 3 OF 4 SHEETS
STA.	TO STA.

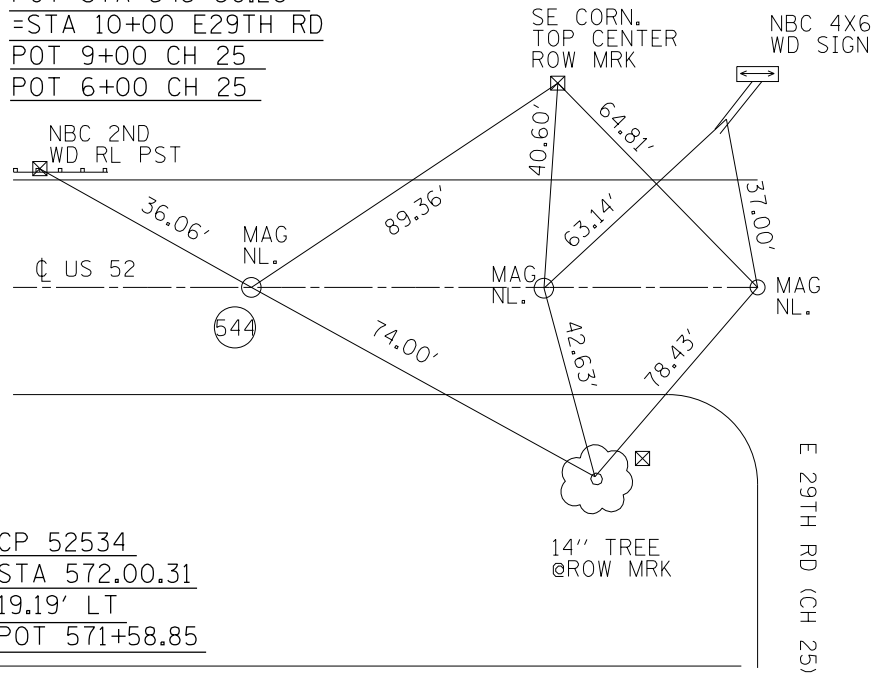
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
607	125BR, BR-1, BR-2	LASALLE	83	18
CONTRACT NO. 66049				
ILLINOIS FED. AID PROJECT				



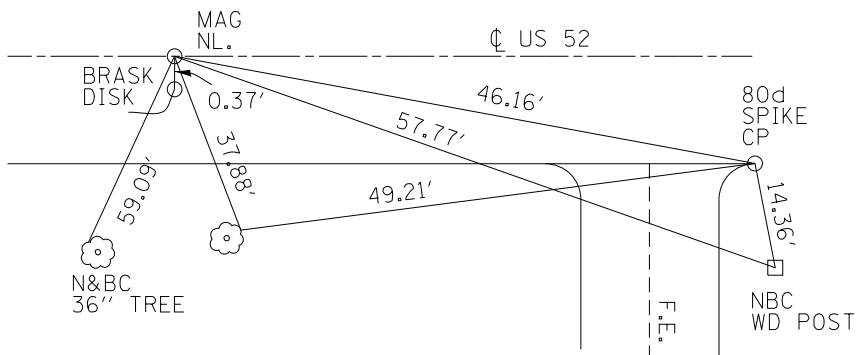
CP 52534  
 STA 552+96.98  
 19.19' LT



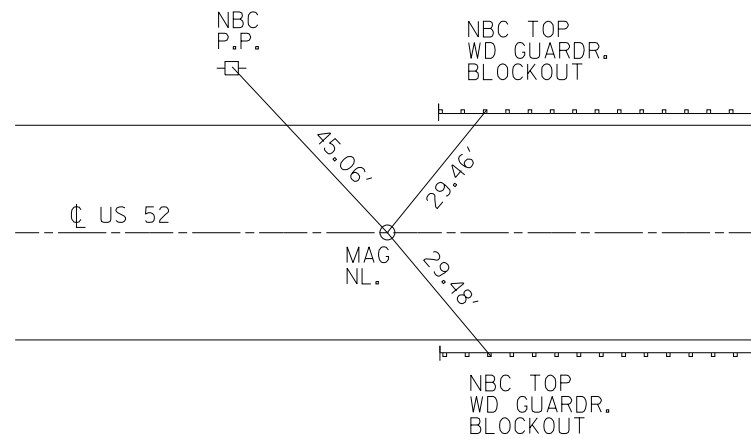
POT STA 544+00  
 POT STA 544+79.18  
 POT STA 545+30.28  
 =STA 10+00 E29TH RD  
 POT 9+00 CH 25  
 POT 6+00 CH 25



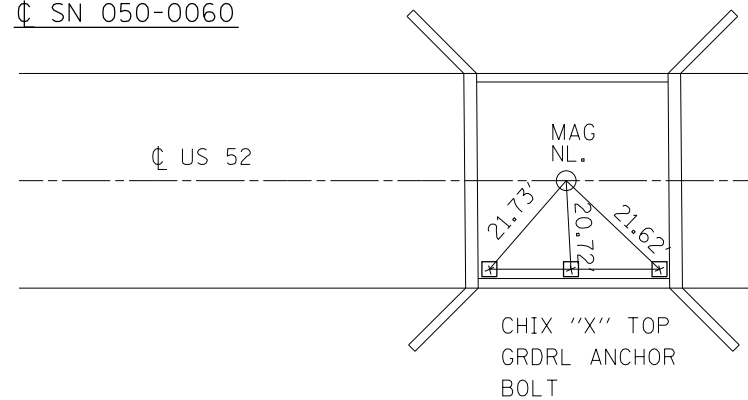
CP 52534  
 STA 572.00.31  
 19.19' LT  
 POT 571+58.85



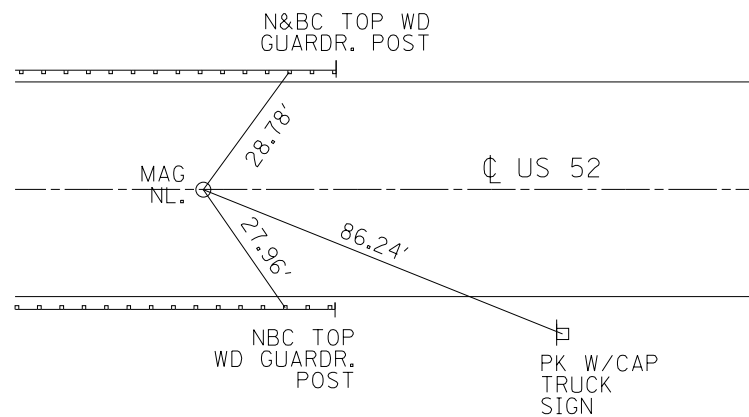
POT STA 574+00



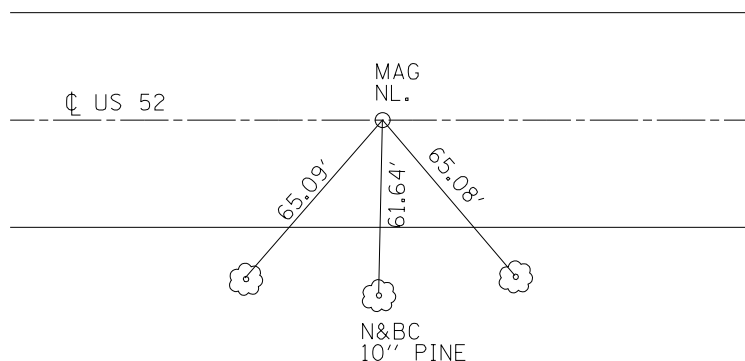
POT STA 575+18.82  
 Ç SN 050-0060



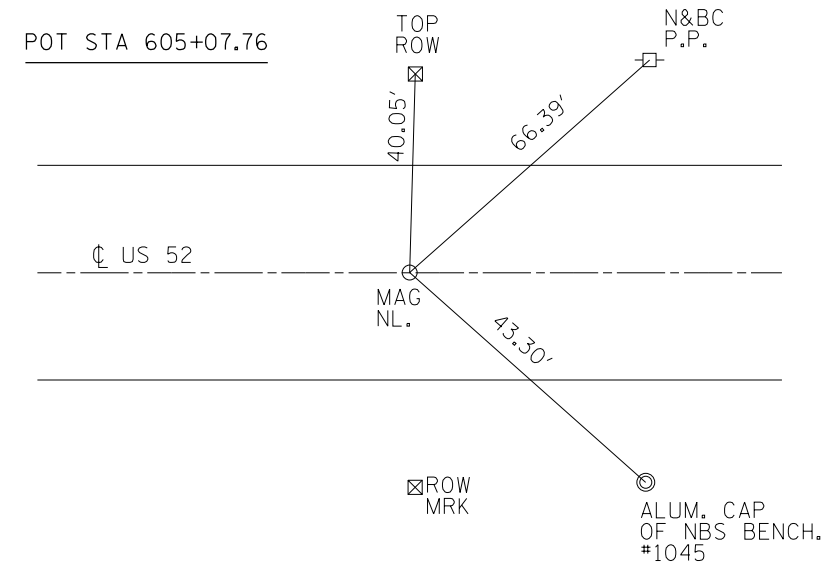
POT STA 576+00



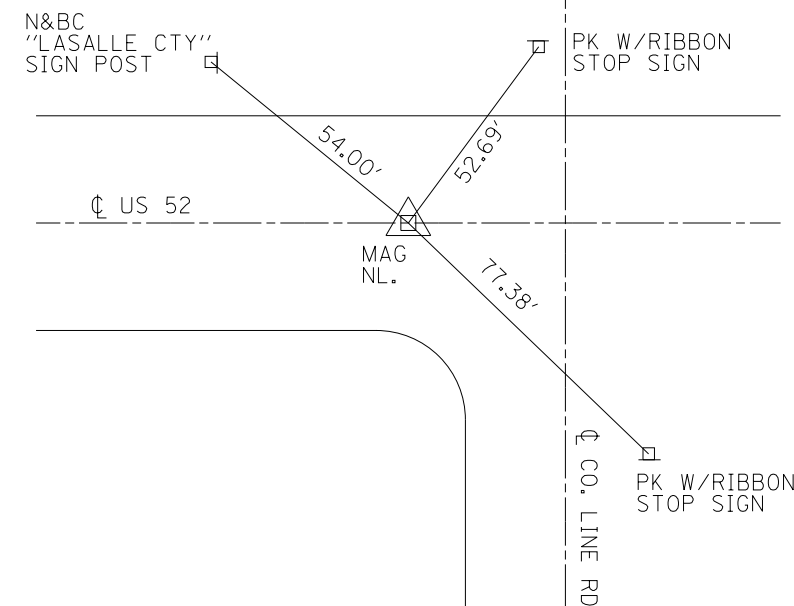
POT STA 578+00



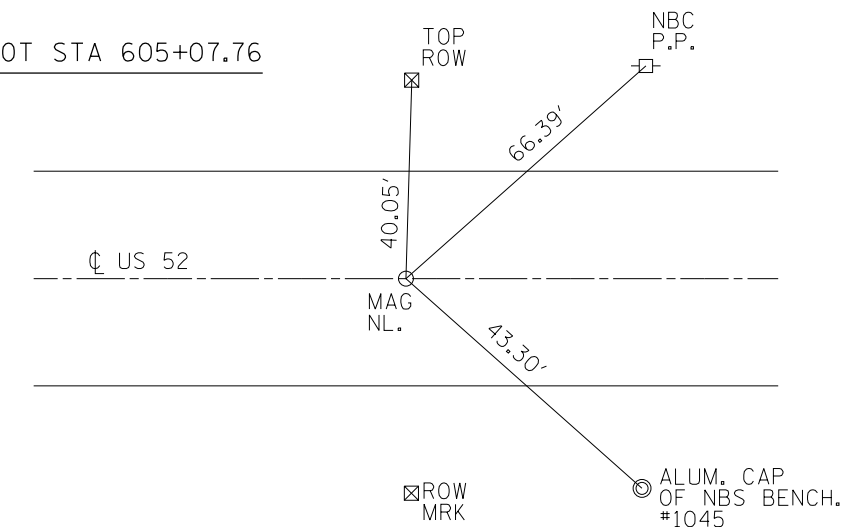
POT STA 605+07.76



PI STA 598+00.49



POT STA 605+07.76



FILE NAME =	USER NAME = duncanbd	DESIGNED -	REVISED -
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	PLOT DATE = 8/3/2016	DATE -	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

TIE POINTS

SCALE: NTS SHEET 4 OF 4 SHEETS STA. TO STA.

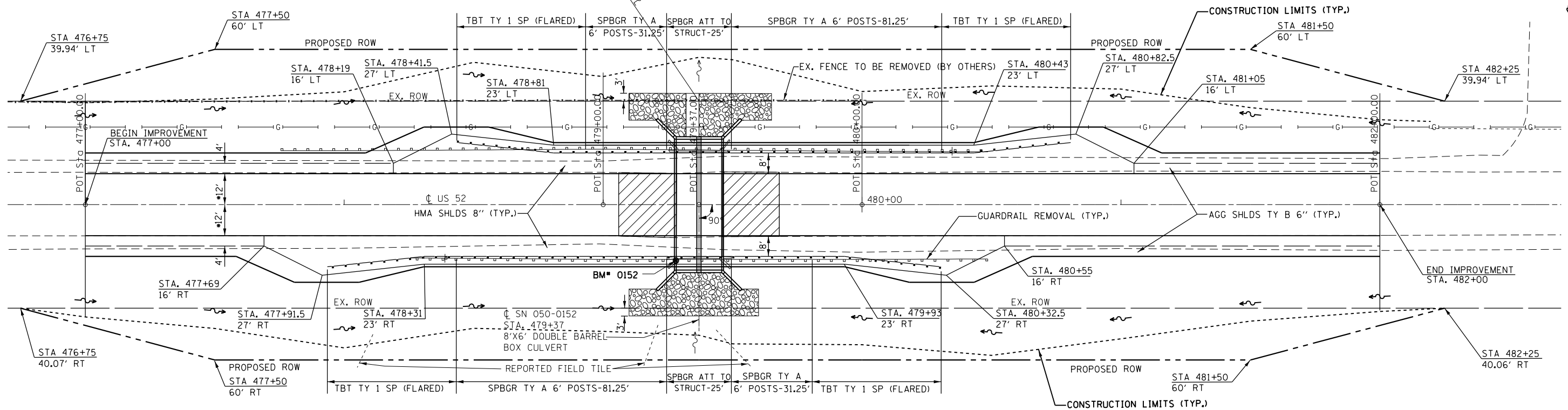
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
607	125BR, BR-1, BR-2	LASALLE	83	19
CONTRACT NO. 66049				
ILLINOIS FED. AID PROJECT				

KRIPELZ REAL ESTATE PARTNERSHIP  
TAX ID. 10-22-403-000

FOX RIVER LUTHERAN CHURCH  
TAX ID. 10-22-407-000



PLAN	SURVEYED	DATE
	PLOTTED	
	ALIGNED	
	CHECKED	
	FILED	
	NO.	

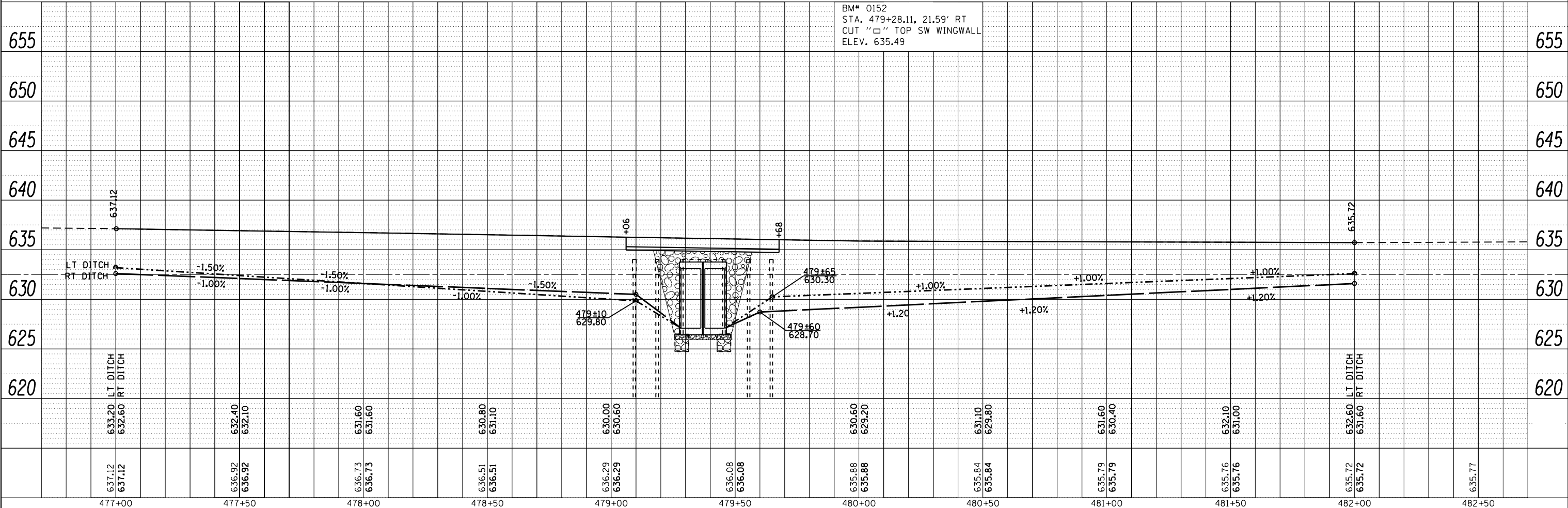


APPROACH SLAB REMOVAL \*LANES STRIPED AT 11' (SEE TYPICALS)

EMILY FIELD, ET AL, SUCCESSOR TRUSTEES  
TAX ID 10-27-207-000



PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	NO.	



FILE NAME =	USER NAME = duncanbd	DESIGNED -	REVISIED -	<p align="center"><b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b></p> <p align="center"><b>PLAN AND PROFILE</b> <b>SN 050-0152</b></p>	F.A.P. R.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		CHECKED -	REVISIED -		607	(125)BR, BR-1, BR-2	LASALLE	83	20
		DATE -	REVISIED -		CONTRACT NO. 66D49				

SCALE: 1=20 SHEET 1 OF 1 SHEETS STA. 476+75 TO STA. 482+75

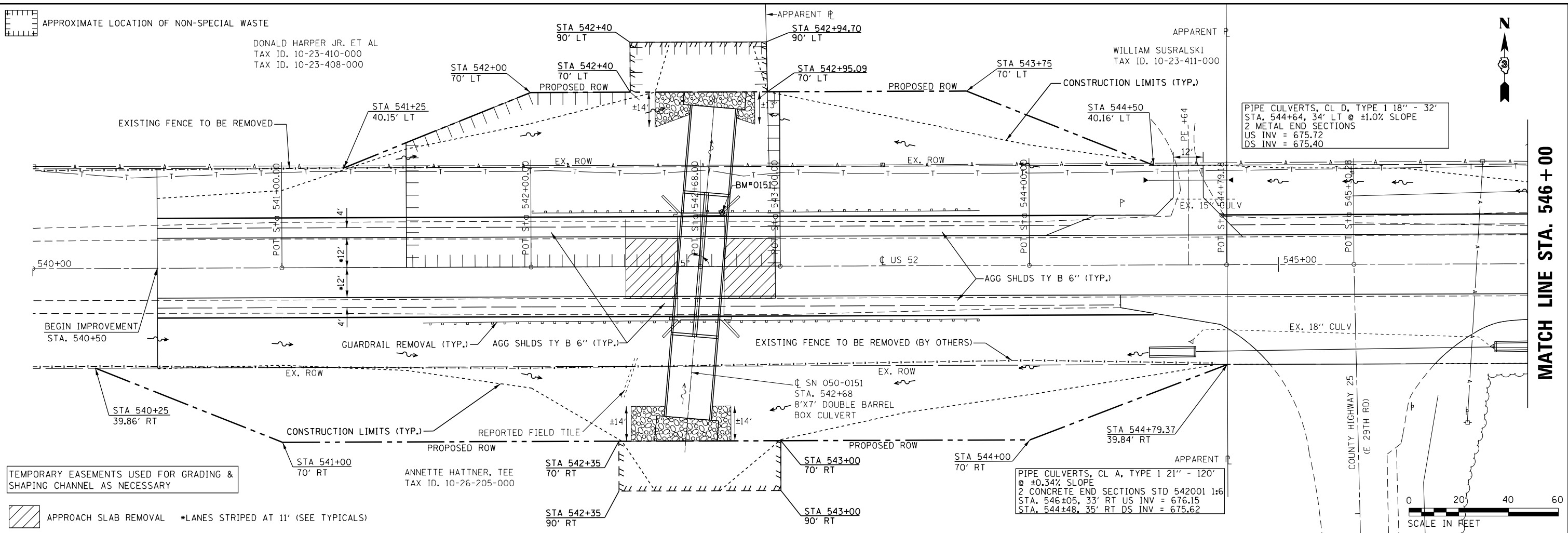
ILLINOIS FED. AID PROJECT

APPROXIMATE LOCATION OF NON-SPECIAL WASTE

DONALD HARPER JR. ET AL  
TAX ID. 10-23-410-000  
TAX ID. 10-23-408-000

WILLIAM SUSRALSKI  
TAX ID. 10-23-411-000

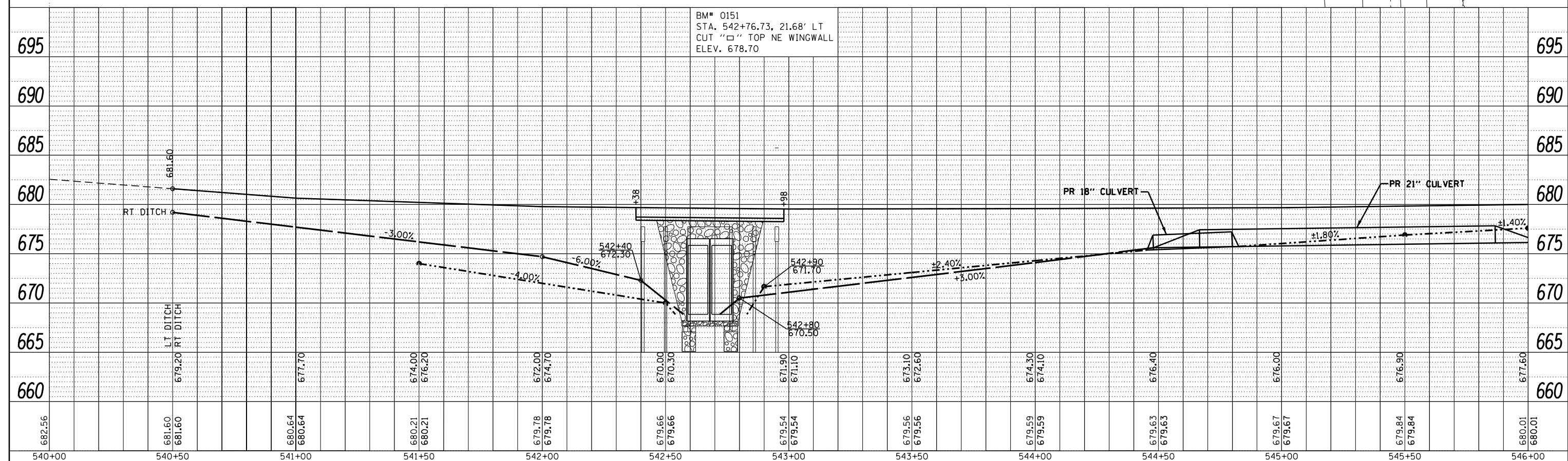
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	PLOTTED	
	ALIGNED	
	CHECKED	
	FILED	
NOTE BOOK NO.	CARD FILE NAME	



TEMPORARY EASEMENTS USED FOR GRADING & SHAPING CHANNEL AS NECESSARY

APPROACH SLAB REMOVAL \*LANES STRIPED AT 11' (SEE TYPICALS)

PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
NOTE BOOK NO.	NOTATION CHFD	



FILE NAME =	USER NAME = duncanbd	DESIGNED -	REVISOR -	SCALE: 1:20	SHEET 1 OF 2 SHEETS	STA. 540+00 TO STA. 546+00	F.A.P. RTE. 607	SECTION (125)BR, BR-1, BR-2	COUNTY LASALLE	TOTAL SHEETS 83	SHEET NO. 21
Default	PLOT SCALE = 40.0000' / in.	CHECKED -	REVISOR -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION			PLAN AND PROFILE SN 050-0151			CONTRACT NO. 66D49	
	PLOT DATE = 8/3/2016	DATE -	REVISOR -				ILLINOIS FED. AID PROJECT				

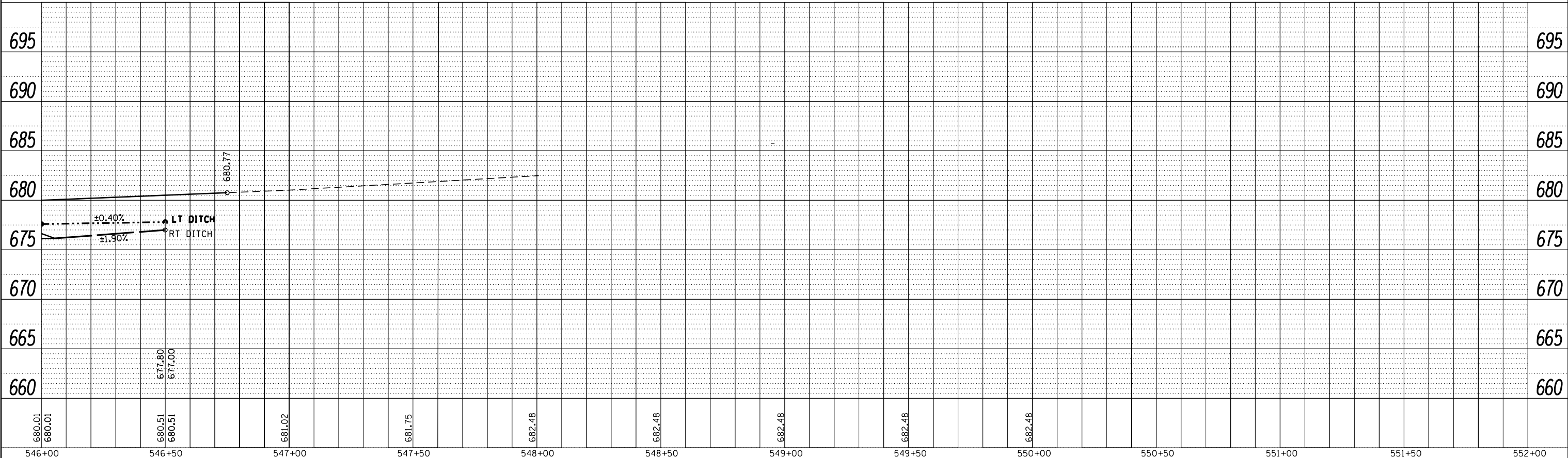


PLAN	SURVEYED	BY	DATE
	PLOTTED		
	GRADES CHECKED		
	ALIGNMENT CHECKED		
	STRUCTURE NOTATIONS CHECKED		
	NOTE BOOK NO.		
	CADD FILE NAME		

**MATCH LINE STA. 546+00**



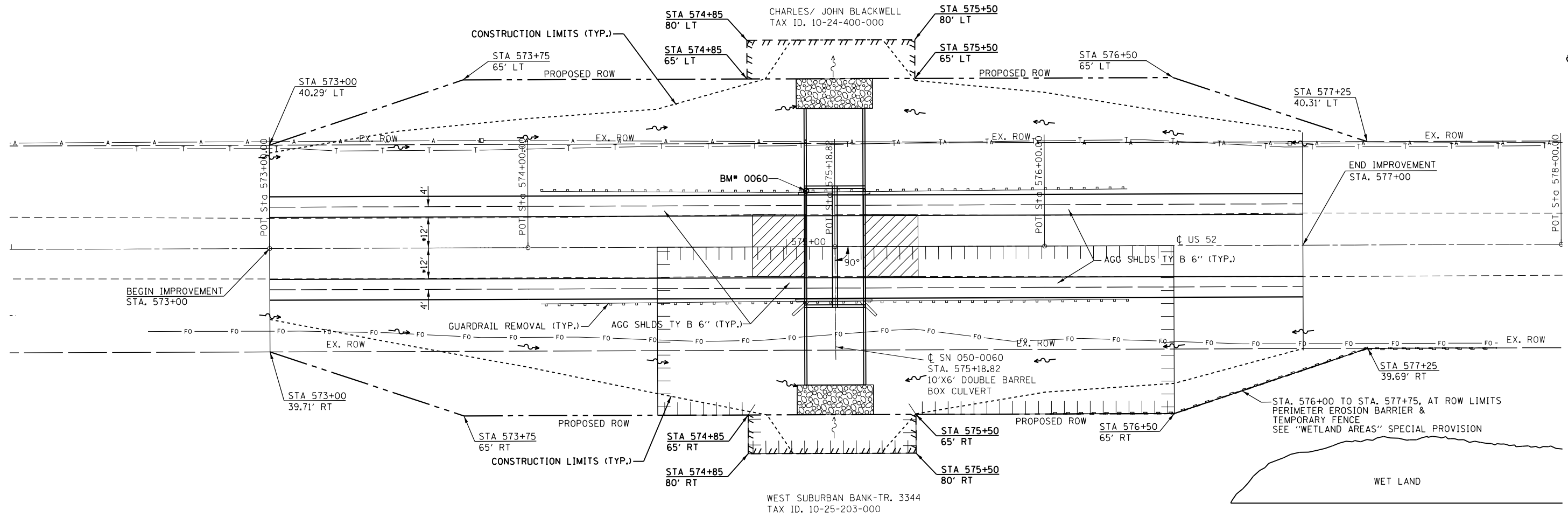
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	PLOTTED		
	GRADES CHECKED		
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	STRUCTURE NOTATIONS CHECKED		
	NOTE BOOK NO.		
	CADD FILE NAME		



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		CHECKED -	REVISED -		607	(125)BR, BR-1, BR-2	LASALLE	83	22
		DATE -	REVISED -		CONTRACT NO. 66D49				
					ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	DATE
	PLOTTED	BY
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	NOTE BOOK NO.	
	CADD FILE NAME	

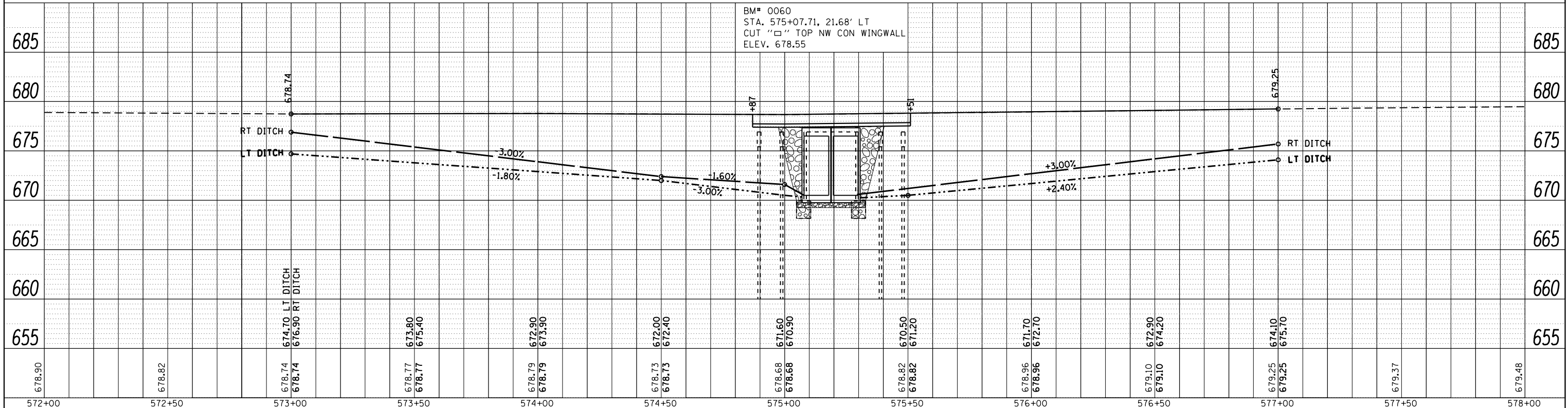
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	STRUCTURE NOTATIONS CHECKED	
	NOTE BOOK NO.	
	CADD FILE NAME	



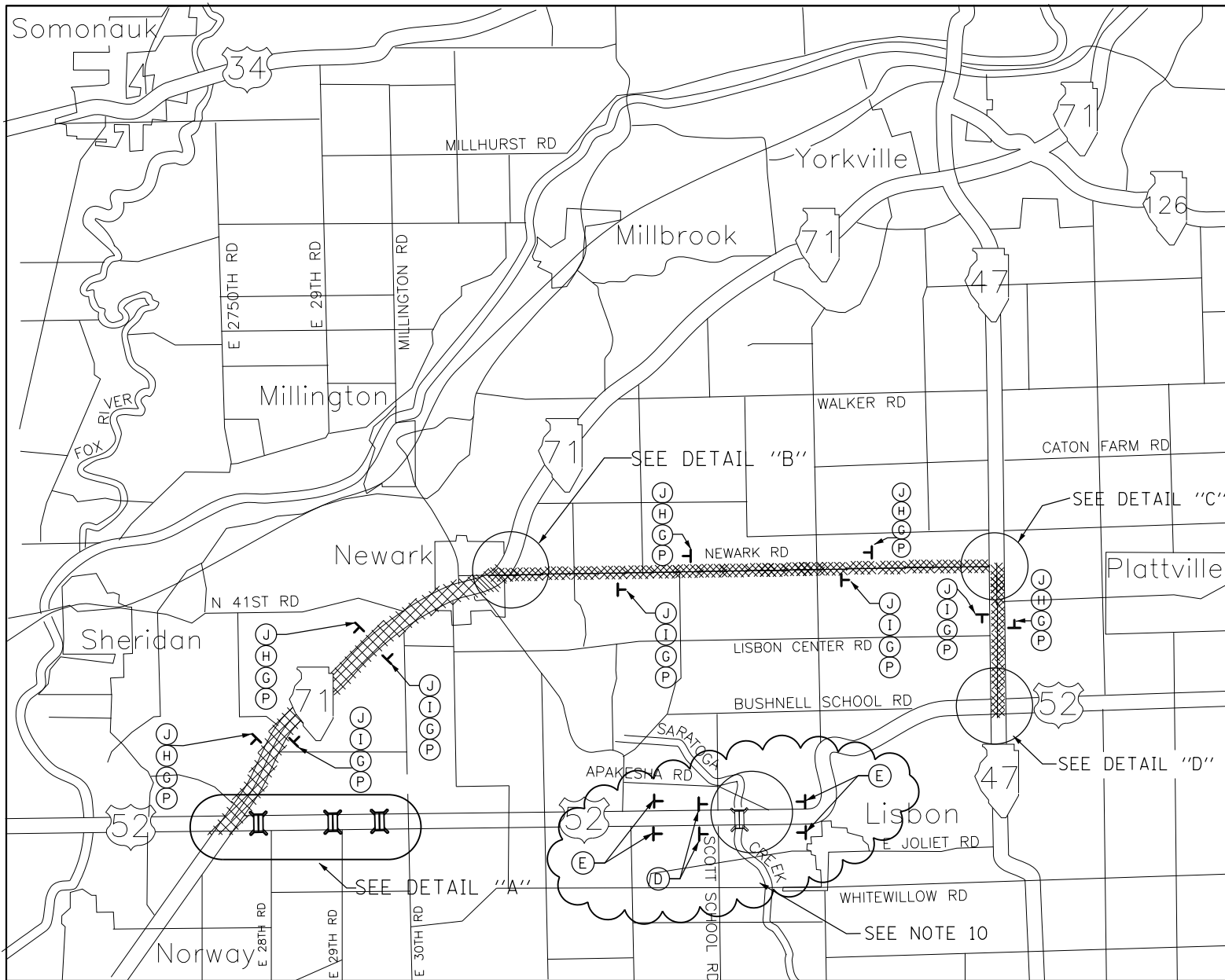
TEMPORARY EASEMENTS USED FOR GRADING & SHAPING CHANNEL AS NECESSARY

APPROACH SLAB REMOVAL \*LANES STRIPED AT 11' (SEE TYPICALS)

APPROXIMATE LOCATION OF NON-SPECIAL WASTE



FILE NAME =	USER NAME = duncanbd	DESIGNED -	REVISOR -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>PLAN AND PROFILE</b> <b>SN 050-0060</b>	F.A.P. RFE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
		CHECKED -	REVISOR -			607	125BR, BR-1, BR-2	LASALLE	83	23	
		DATE -	REVISOR -			CONTRACT NO. 66D49					
						ILLINOIS FED. AID PROJECT					



# NOTES:

1. ALL TRAFFIC CONTROL DEVICES SHALL BE FURNISHED ERECTED AND MAINTAINED BY THE CONTRACTOR.
2. ALL SIGNS NOT ATTACHED TO BARRICADES SHALL BE POST MOUNTED, UNLESS OTHERWISE NOTED.
3. LOCATIONS OF TRAFFIC CONTROL DEVICES MAY BE ADJUSTED BY THE ENGINEER.
4. TRAFFIC CONTROL SHOWN IN "DETAIL A" SHALL BE DONE IN ACCORDANCE WITH TC&P BLR 21 & BLR 22 EXCEPT THAT ALL WARNING SIGNS SHALL BE 48"x48". THIS WORK SHALL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION (SPECIAL).
5. TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION. THE MANUAL FOR UNIFORM TRAFFIC CONTROL DEVICES. THE HIGHWAY STANDARDS AND SPECIAL PROVISIONS.
6. COVER ANY SIGNS DENOTING WEST US ROUTE 52 WITHIN A MILE RADIUS OF THE INTERSECTION BETWEEN IL ROUTE 47 AND US ROUTE 52.
7. COVER OR REMOVE ANY EXISTING CONFLICTING DESTINATION SIGNS (NOTE: NO DRILLING OR TAPE WILL BE ALLOWED ON THE SIGN FACE).
8. CONFIRMATION SIGNS J/H/G/P AND J/I/G/P SHALL BE PLACED ADJACENT TO EXISTING ROUTE MARKERS ON ILLINOIS 47 AND ON ILLINOIS 71 OR AT LOCATIONS AS DIRECTED BY THE ENGINEER.
9. ILLINOIS 47 IS UNDER CONSTRUCTION FROM US 52 TO CATON FARM ROAD. THE PLACEMENT OF DETOUR SIGNS SHALL BE COORDINATED WITH THAT CONTRACT AND CONTRACTOR.
10. IN THE EVENT THE CONTRACT (66C62) TO REPLACE SN 047-0037 CARRYING US 52 OVER SARATOGA CREEK COINCIDES WITH THE REPLACEMENT OF THE 3 STRUCTURES ON THIS CONTRACT, THE DETOUR PLAN SHOWN IN THIS CONTRACT SHALL BE USED FOR BOTH CONTRACTS. HOWEVER, THE TRAFFIC CONTROL REQUIRED TO CLOSE US 52 AT SN 047-0037 SHALL BE ERECTED, MAINTAINED, REMOVED AND PAID FOR UNDER THAT CONTRACT (66C62).
11. USE TRAFFIC CONTROL AND PROTECTION 701201 WHEN US 52 IS OPEN TO TWO-WAY TRAFFIC. INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION (SPECIAL).
12. SENECA ROAD (CH 25) AND US 52 EAST OF SENECA ROAD SHALL REMAIN OPEN TO TWO-WAY TRAFFIC DURING THE REMOVAL AND REPLACEMENT OF SN 050-0151.
13. THE "X MILES AHEAD" ON SIGN ASSEMBLIES "R" & "S" MAY NEED TO BE MODIFIED THROUGHOUT THE DURATION OF THE PROJECT DEPENDING ON WHICH STRUCTURES ARE CLOSED. REVISING THE "X MILES AHEAD" AS NECESSARY TO BE INCLUDED IN THE COST OF THE TRAFFIC CONTROL ITEMS.



## DETOUR MAP

(PLACE SIGN ADJACENT TO U.S. AND ILLINOIS ROUTE MARKERS)

R11-2-4830 (A)	W20-3-4848 (B)	W20-3-4848 (C)	R11-2-6030 (D)	R11-2-6030 (E)	M1-4.2-2424 (G)
M3-4-2412 (H)	M3-2-2412 (I)	M4-8-2412 (J)	M6-1-2115 (K)	M6-1-2115 (L)	W20-2-4848 (M)
M4-8-2418 (N)	R11-4-4830 (O)	M6-3-2115 (P)	M4-10-4818 (FO)	M4-10-4818 (FO)	M5-1-2115 (T)
M6-1-2115 (FO)	R11-3-6030 (R*)	R11-3-6030 (S*)	**"X MILES AHEAD" TO BE DETERMINED BY THE ENGINEER (SEE NOTE 13)		

## LEGEND:

- TYPE III BARRICADES CONFORMING TO STD. 701901 WITH 2 FLASHING LIGHTS PER BARRICADE
- SIGNS ON PERMANENT SUPPORTS
- FLASHING LIGHT ABOVE SIGN
- 18"x18" ORANGE FLAG
- DETOUR ROUTE
- FO FLORESCENT ORANGE

PLAN	SURVEYED	DATE
	PLOTTED	BY
	GRADES CHECKED	
	ALIGNMENT CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	PAID FILE NAME	
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PROFILE	SURVEYED	DATE
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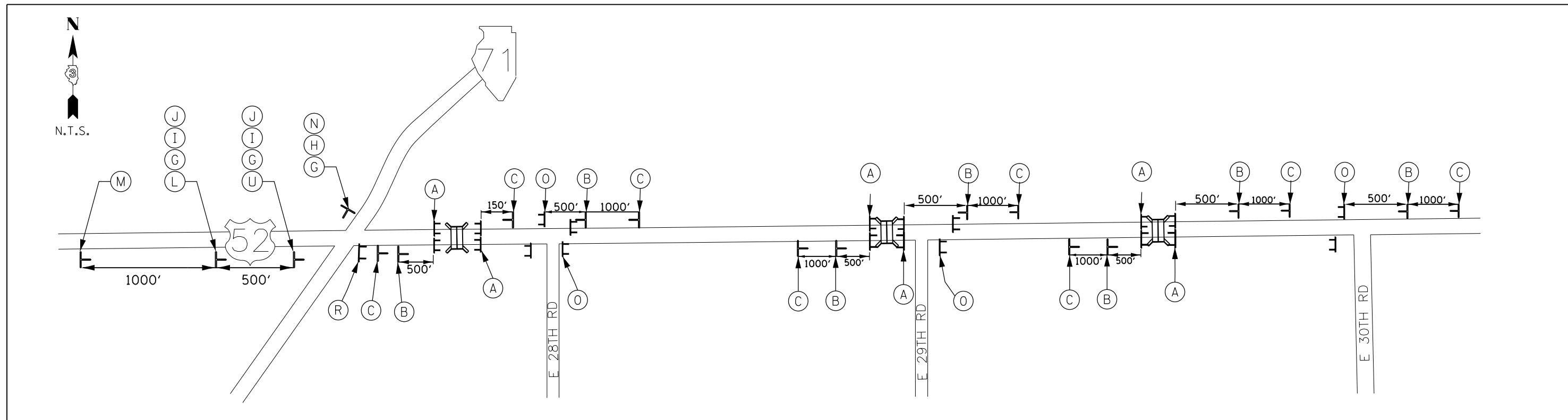
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		CHECKED - SA	REVISED -
		DATE - 2/8/2016	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>DETOUR PLAN</b>	
SCALE: NTS	SHEET 1 OF 2 SHEETS STA. TO STA.

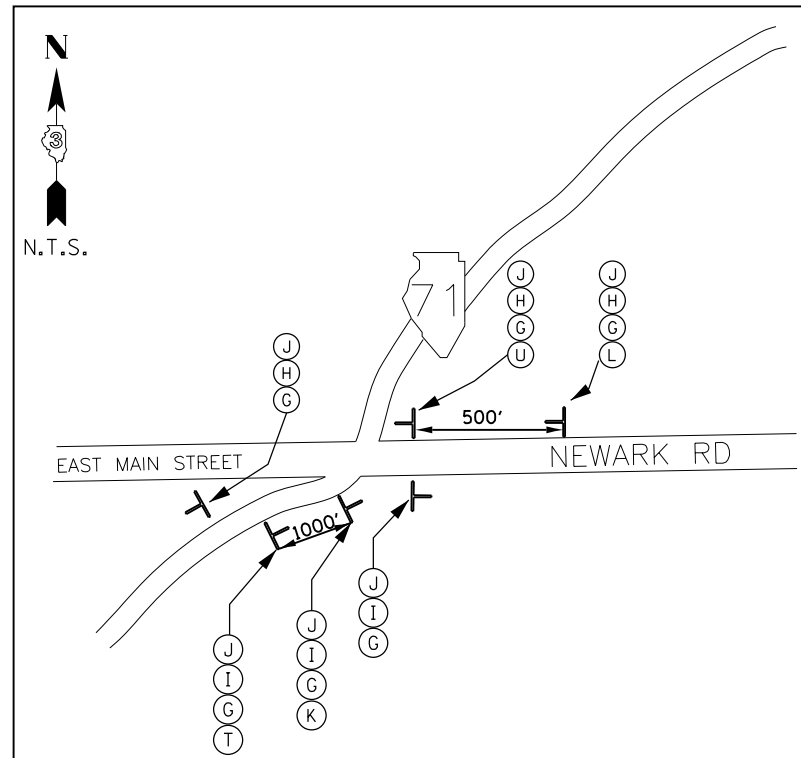
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
607	125BR, BR-1, BR-2	LASALLE	83	24
CONTRACT NO. 66D49				
ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	BY	DATE
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	CHECKED		
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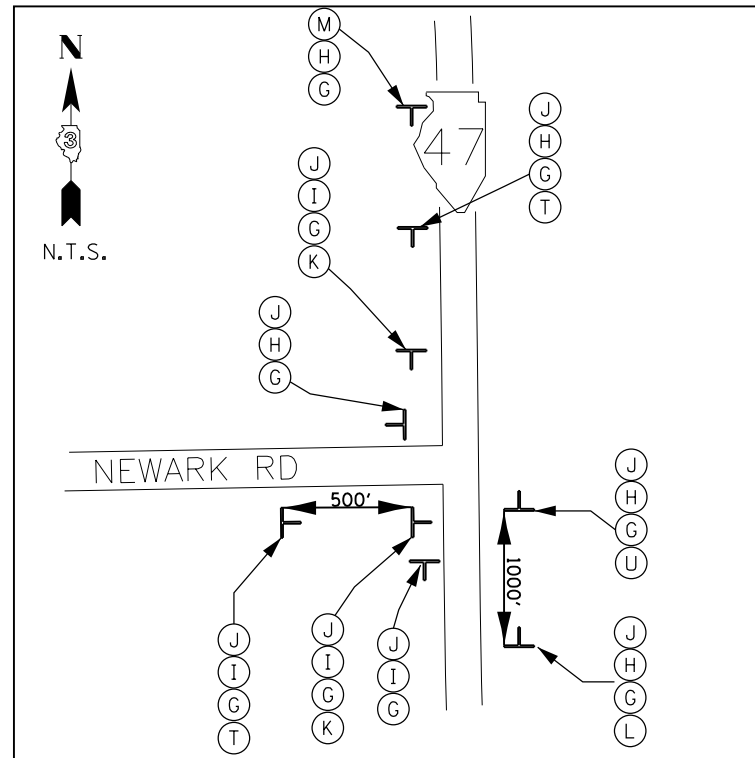


**IL 71 /US 52 INTERSECTION  
(DETAIL "A")**

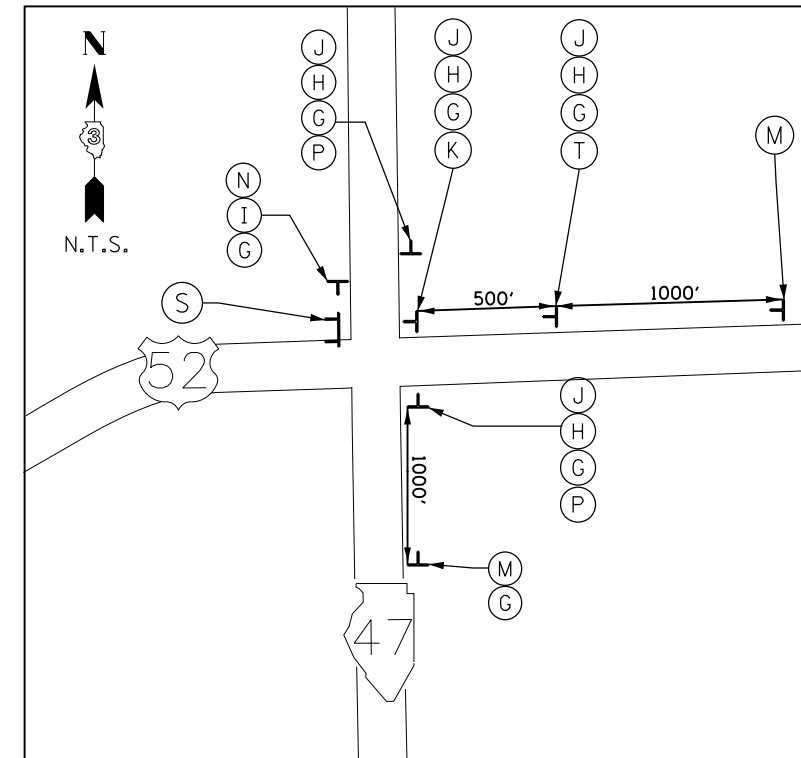
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	STRUCTURE		
	NOT AT THIS OFFICE		
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**IL 71 /NEWARK ROAD INTERSECTION  
(DETAIL "B")**



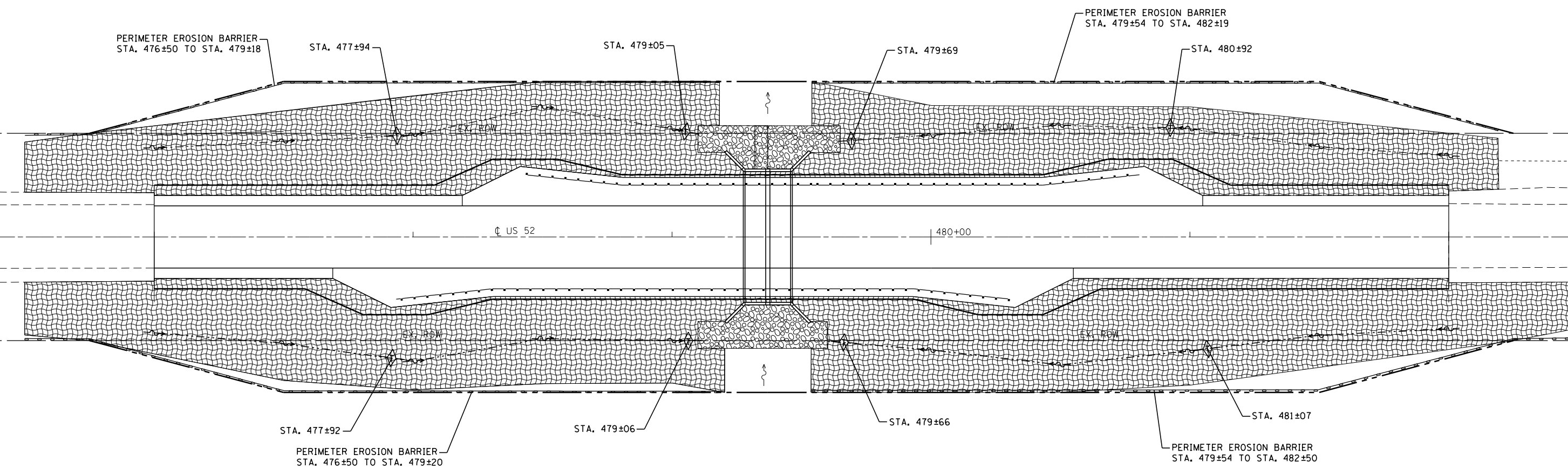
**IL 47/NEWARK RD INTERSECTION  
(DETAIL "C")**










**IL 47 /US 52 INTERSECTION  
(DETAIL "D")**

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		DATE - 2/8/2016	REVISED -					CONTRACT NO. 66D49				
								ILLINOIS FED. AID PROJECT				





**LEGEND:**

-  PROPOSED DITCH
-  TEMPORARY DITCH CHECK
-  STONE RIPRAP, CLASS A4
-  EROSION CONTROL BLANKET AND PERMANENT SEEDING CLASS 2A (TEMPORARY EROSION CONTROL SEEDING AS NEEDED)
-  INLET AND PIPE PROTECTION
-  PERIMETER EROSION BARRIER
-  TURF REINFORCEMENT MAT



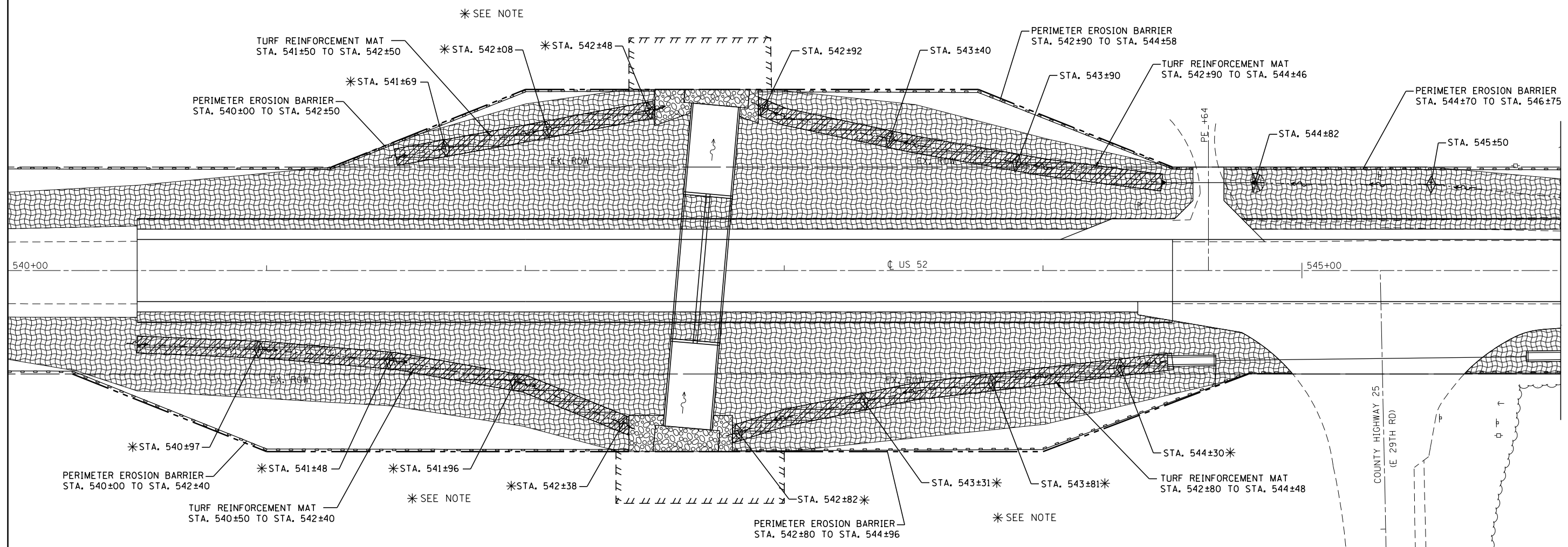
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**EROSION CONTROL & LANDSCAPING**  
**SN 050-0152**

SCALE: 1=20    SHEET 1 OF 4 SHEETS    STA.    TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
607	(125)BR, BR-1, BR-2	LASALLE	83	26
CONTRACT NO. 66D49			ILLINOIS FED. AID PROJECT	



**NOTE**

THE DITCH CHECKS NOTED ON THE PLAN VIEW WERE CALCULATED TO BE AGGREGATE DITCH CHECKS BASED ON ESTIMATED VELOCITIES AFTER DITCHES ARE GRADED. THE RESIDENT ENGINEER HAS THE OPTION OF USING THE ROLLED EROSION CONTROL PRODUCTS IF THE VELOCITIES ARE LESS THAN ANTICIPATED. AGGREGATE DITCH CHECKS ARE TO BE REMOVED AT THE COMPLETION OF THE PROJECT OR AS DIRECTED BY THE ENGINEER.

- LEGEND:**
- PROPOSED DITCH
  - TEMPORARY DITCH CHECK
  - STONE RIPRAP, CLASS A4
  - EROSION CONTROL BLANKET AND PERMANENT SEEDING CLASS 2A (TEMPORARY EROSION CONTROL SEEDING AS NEEDED)
  - INLET AND PIPE PROTECTION
  - PERIMETER EROSION BARRIER
  - TURF REINFORCEMENT MAT

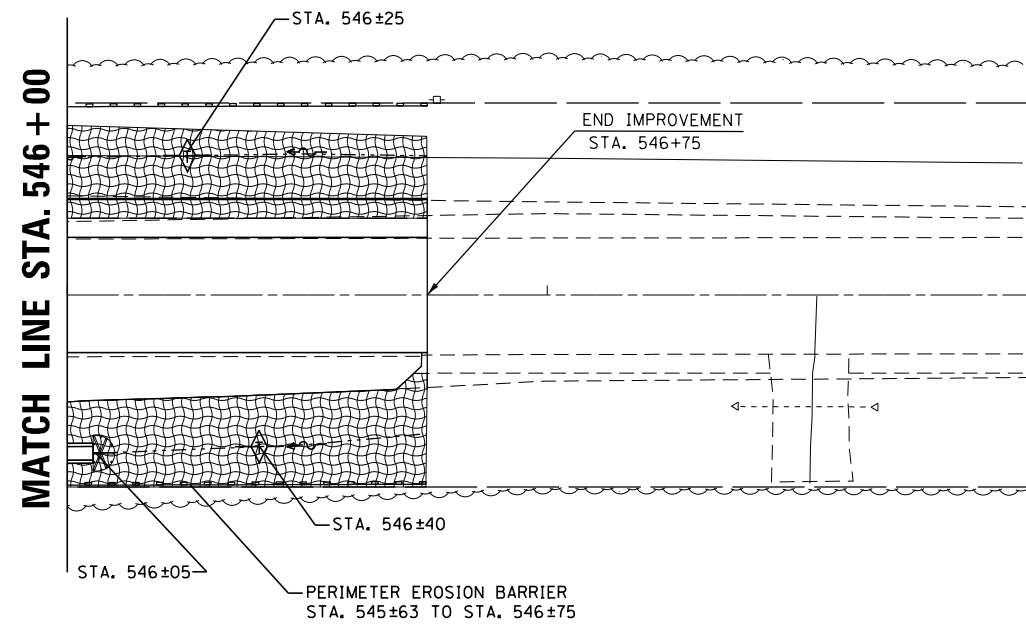
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**








**EROSION CONTROL & LANDSCAPING  
SN 050-0151**

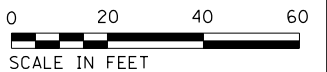
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
607	(125)BR, BR-1, BR-2	LASALLE	83	27
CONTRACT NO. 66D49				
ILLINOIS FED. AID PROJECT				



**LEGEND:**

-  PROPOSED DITCH
-  TEMPORARY DITCH CHECK
-  STONE RIPRAP, CLASS A4
-  EROSION CONTROL BLANKET AND PERMANENT SEEDING CLASS 2A (TEMPORARY EROSION CONTROL SEEDING AS NEEDED)
-  INLET AND PIPE PROTECTION
-  PERIMETER EROSION BARRIER
-  TURF REINFORCEMENT MAT



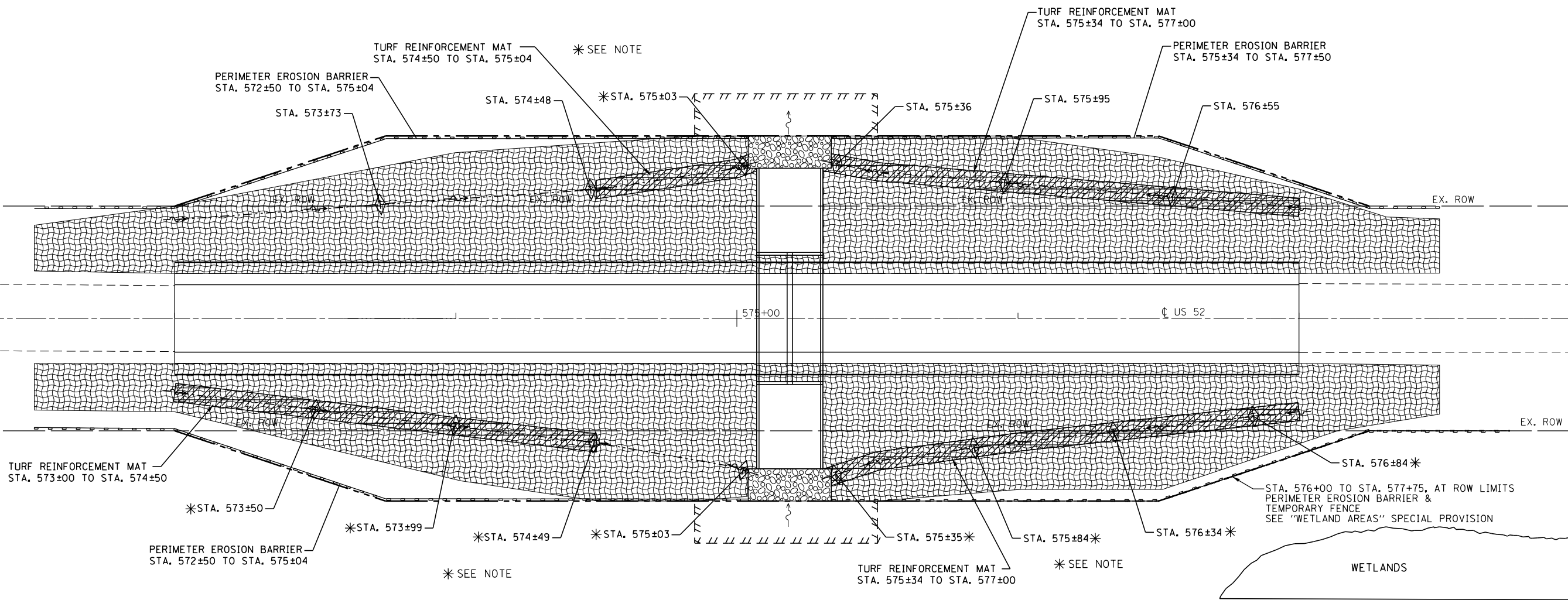
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	PLOT DATE = 9/16/2016	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**EROSION CONTROL & LANDSCAPING  
SN 050-0060**

SCALE: 1=20 SHEET 3 OF 4 SHEETS STA. TO STA.








F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
607	(125)BR, BR-1, BR-2	LASALLE	83	28
CONTRACT NO. 66D49			ILLINOIS FED. AID PROJECT	



**NOTE**

THE DITCH CHECKS NOTED ON THE PLAN VIEW WERE CALCULATED TO BE AGGREGATE DITCH CHECKS BASED ON ESTIMATED VELOCITIES AFTER DITCHES ARE GRADED. THE RESIDENT ENGINEER HAS THE OPTION OF USING THE ROLLED EROSION CONTROL PRODUCTS IF THE VELOCITIES ARE LESS THAN ANTICIPATED. AGGREGATE DITCH CHECKS ARE TO BE REMOVED AT THE COMPLETION OF THE PROJECT OR AS DIRECTED BY THE ENGINEER.

**LEGEND:**

-  PROPOSED DITCH
-  TEMPORARY DITCH CHECK
-  STONE RIPRAP, CLASS A4
-  EROSION CONTROL BLANKET AND PERMANENT SEEDING CLASS 2A (TEMPORARY EROSION CONTROL SEEDING AS NEEDED)
-  INLET AND PIPE PROTECTION
-  PERIMETER EROSION BARRIER
-  TURF REINFORCEMENT MAT



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Default	PLOT DATE = 9/16/2016	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>EROSION CONTROL &amp; LANDSCAPING</b>			
<b>SN 050-0060</b>			
SCALE: 1=20	SHEET 4	OF 4 SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
607	(125)BR, BR-1, BR-2	LASALLE	83	29
CONTRACT NO. 66D49				
ILLINOIS FED. AID PROJECT				

SOUTHEAST 1/4 OF SEC. 22,  
T. 35 N., R. 5 E., 3RD P.M.



**PARCEL 3YA0001**

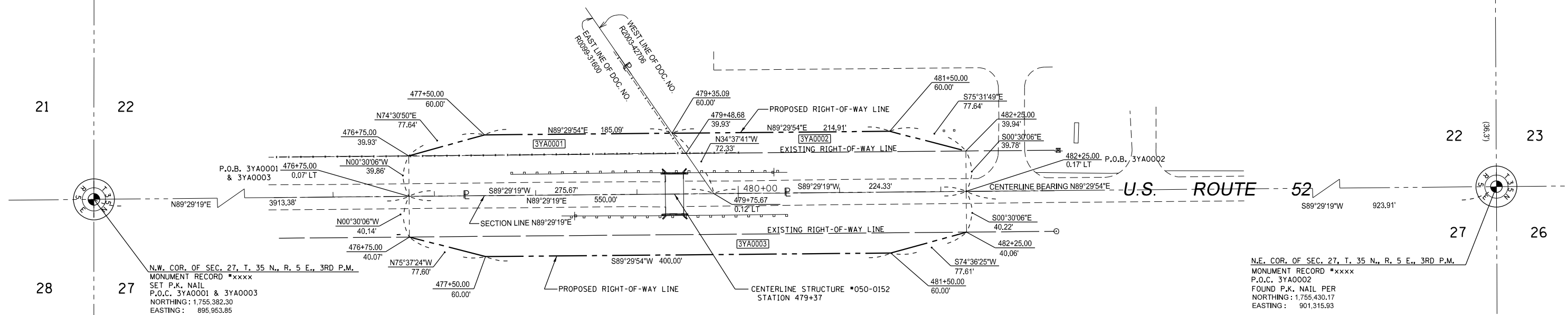
**KRIPPELZ REAL ESTATE PARTNERSHIP**

TOTAL HOLDING = 22.610 AC. +/-  
 TOTAL R.O.W. REQUIRED = 0.368 AC +/-  
 AREA IN EXISTING R.O.W. = 0.263 AC +/-  
 NET R.O.W. REQUIRED = 0.105 AC +/-  
 REMAINDER = 22.242 AC. +/-

**PARCEL 3YA0002**

**FOX RIVER LUTHERAN CHURCH**

TOTAL HOLDING = 24.670 AC. +/-  
 TOTAL R.O.W. REQUIRED = 0.353 AC +/-  
 AREA IN EXISTING R.O.W. = 0.240 AC +/-  
 NET R.O.W. REQUIRED = 0.113 AC +/-  
 REMAINDER = 24.317 AC. +/-



**PARCEL 3YA0003**

**EMILY FIELD et al, SUCCESSOR TRUSTEES**

TOTAL HOLDING = 163.990 AC. +/-  
 TOTAL R.O.W. REQUIRED = 0.725 AC +/-  
 AREA IN EXISTING R.O.W. = 0.507 AC +/-  
 NET R.O.W. REQUIRED = 0.218 AC +/-  
 REMAINDER = 163.265 AC. +/-

*LOT 2*

OF ASSESSOR'S SUBDIVISION OF NORTH HALF  
 OF SECTION 27-35-5  
 ( BOOK G, PAGE 41 )

**SURVEYOR'S STATEMENT**

I, JEFFERY J. CIMEI, HEREBY CERTIFY THAT I AM A PROFESSIONAL LAND SURVEYOR OF THE STATE OF ILLINOIS, THAT THE SURVEY OF F.A.P. 607 (U.S. 52) WAS MADE BY ME OR UNDER MY DIRECTION, AND THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT ALL MONUMENTS AND MARKS ARE OF THE CHARACTER AND OCCUPY THE POSITION SHOWN THEREON, AND ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.



BY \_\_\_\_\_ DATED \_\_\_\_\_  
 JEFFERY J. CIMEI, ILLINOIS PROFESSIONAL  
 LAND SURVEYOR NO. 35-3733 (EXPIRES NOV. 2016)

NORTHEAST 1/4 OF SEC. 27,  
T. 35 N., R. 5 E., 3RD P.M.

NOTE: GRID BEARINGS AND DISTANCES SHOWN HEREON ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM, (GRID) EAST ZONE, (NAD-83, 2011 ADJ.).  
 ALL AREAS ARE BASED ON GROUND MEASUREMENTS  
 COMBINED FACTOR = 0.99995792  
 TOTAL HOLDING AREA TAKEN FROM TAX ASSESSOR (NOT SURVEYED)



FILE NAME: p:\IL\084EBIDINTEG\Illinois.gov\PWIDOT\Documents\DOT Offices\District 3\Projects\0366\Drawings\0366\049-ROW_Sheet1.dwg	USER NAME: duncanbd	DESIGNED: -	REVISED: - JJC *1 & *2 PR ROW 4-4-16	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	RIGHT OF WAY PLANS		F.A.P. RTE. 607	SECTION 125BR, BR-1, BR-2	COUNTY LASALLE	TOTAL SHEETS 83	SHEET NO. 30
PLOT SCALE: 100.0000' / in.	CHECKED: -	REVISED: - MKB *1 NAME CHANGE 5/20/16	REVISED: - MKB *3 NAME CHANGE 5/26/16		PROJECT U.S. ROUTE 52	JOB NO. R93-002-16	U.S. ROUTE 52		CONTRACT NO. 66D49		
PLOT DATE: 8/3/2016	DATE: -	REVISED: -	REVISED: -		SCALE: 1" = 50'	SHEET 1 OF 3 SHEETS	STA. 476+75 TO STA. 482+25	FED. ROAD DIST. NO. ILLINOIS	FED. AID PROJECT		



SOUTHEAST 1/4 OF SEC. 24,  
T. 35 N., R. 5 E., 3RD P.M.



**PARCEL 3YA0008**

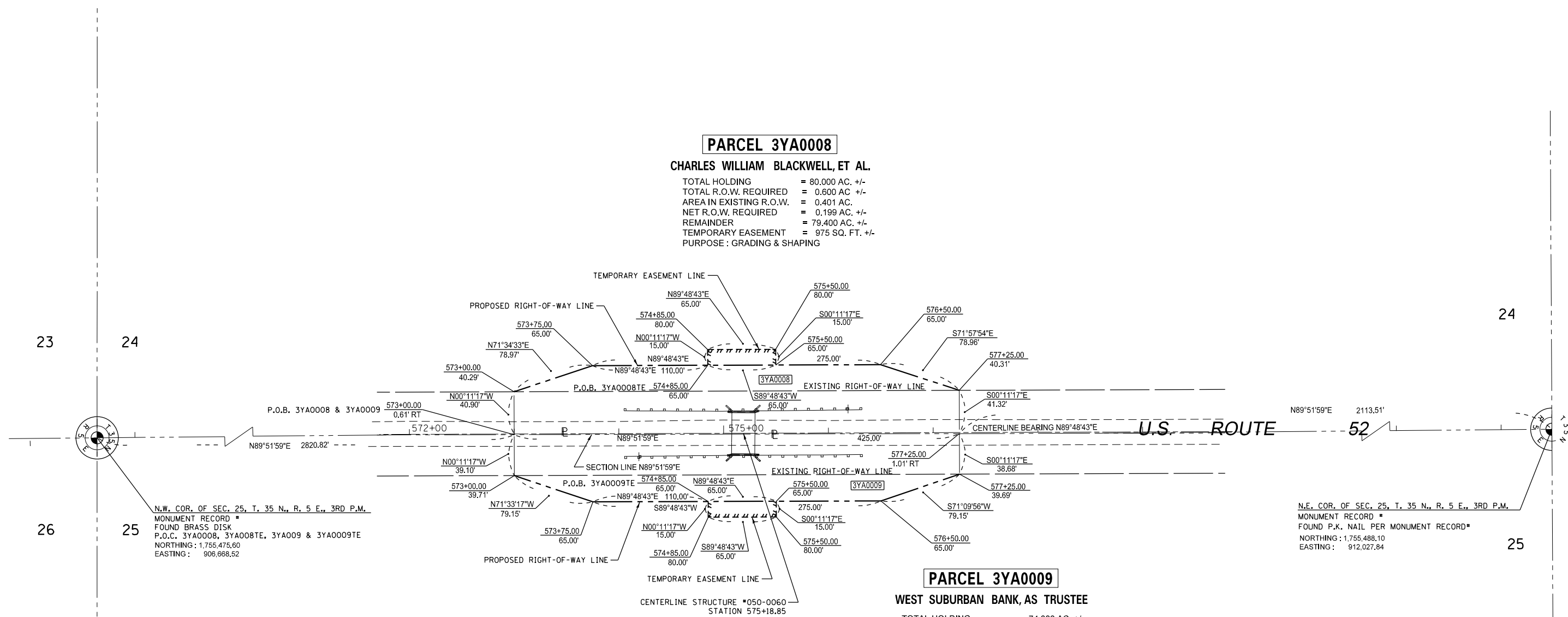
CHARLES WILLIAM BLACKWELL, ET AL.

TOTAL HOLDING = 80.000 AC. +/-  
TOTAL R.O.W. REQUIRED = 0.600 AC +/-  
AREA IN EXISTING R.O.W. = 0.401 AC.  
NET R.O.W. REQUIRED = 0.199 AC. +/-  
REMAINDER = 79.400 AC. +/-  
TEMPORARY EASEMENT = 975 SQ. FT. +/-  
PURPOSE: GRADING & SHAPING

**PARCEL 3YA0009**

WEST SUBURBAN BANK, AS TRUSTEE

TOTAL HOLDING = 74.000 AC. +/-  
TOTAL R.O.W. REQUIRED = 0.583 AC +/-  
AREA IN EXISTING R.O.W. = 0.379 AC.  
NET R.O.W. REQUIRED = 0.204 AC. +/-  
REMAINDER = 73.417 AC. +/-  
TEMPORARY EASEMENT = 975 SQ. FT. +/-  
PURPOSE: GRADING & SHAPING



**SURVEYOR'S STATEMENT**

I, JEFFERY J. CIMEI, HEREBY CERTIFY THAT I AM A PROFESSIONAL LAND SURVEYOR OF THE STATE OF ILLINOIS. THAT THE SURVEY OF F.A.P. 607 (U.S. 52) WAS MADE BY ME OR UNDER MY DIRECTION, AND THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF. THAT ALL MONUMENTS AND MARKS ARE OF THE CHARACTER AND OCCUPY THE POSITION SHOWN THEREON, AND ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.



BY: JEFFERY J. CIMEI, ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-3733 (EXPIRES NOV. 2016) DATED \_\_\_\_\_

NORTHEAST 1/4 OF SEC. 25,  
T. 35 N., R. 5 E., 3RD P.M.

N.E. COR. OF SEC. 25, T. 35 N., R. 5 E., 3RD P.M.  
MONUMENT RECORD #  
FOUND P.K. NAIL PER MONUMENT RECORD #  
NORTHING: 1,755,488.10  
EASTING: 912,027.84

NOTE: GRID BEARINGS AND DISTANCES SHOWN HEREON ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM, (GRID) EAST ZONE, (NAD-83, 2011 ADJ.).  
ALL AREAS ARE BASED ON GROUND MEASUREMENTS  
COMBINED FACTOR = 0.99995792  
TOTAL HOLDING AREA TAKEN FROM TAX ASSESSOR (NOT SURVEYED)



FILE NAME: pw\11084EBIDINTEG.illinois.gov\PIDOT\Documents\DOT Offices\District 3\Projects\0366\Drawings\EA\Sheets\0366D49-R0W sheet	USER NAME: duncanbd	DESIGNED: -	REVISED: - 4-4-16 JJC FIXED OFFSETS	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>RIGHT OF WAY PLANS</b>		F.A.P. RTE. 607	SECTION 125BR, BR-1, BR-2	COUNTY LASALLE	TOTAL SHEETS 83	SHEET NO. 32
PLOT SCALE: 1" = 100.0000' / in.	CHECKED: -	REVISED: - 5-23-16 JJC ADDED TEMP. EASE.	REVISED: - 5/24/16 MKB Changed sta/offset		PROJECT U.S. ROUTE 52	JOB NO. R93-002-16	U.S. ROUTE 52		CONTRACT NO. D66D49		
PLOT DATE: 8/3/2016	DATE: -	REVISED: - 6-2-16 JJC sheet info	REVISED: -		SCALE: 1" = 50'	SHEET 3 OF 3 SHEETS	STA. 573+00 TO STA. 577+25	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	

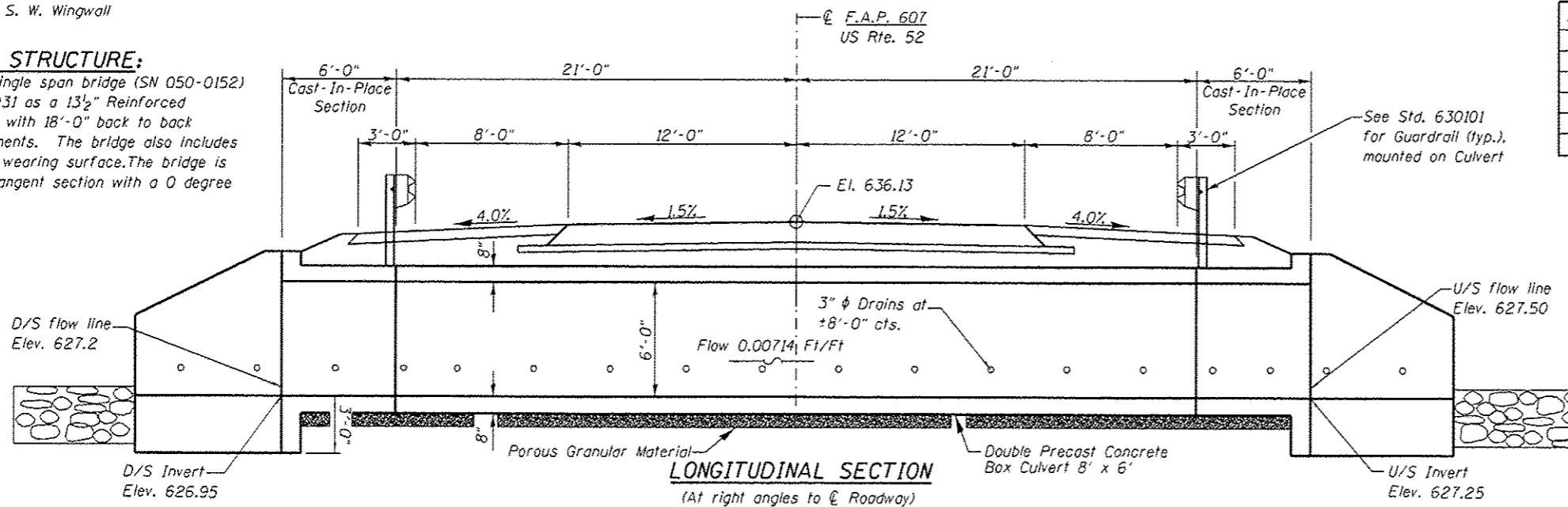


**BENCH MARK:**

Sta. 479+28.11, 21.59 ft. Right,  
Chiseled "□" S. W. Wingwall  
Elev. 635.49.

**EXISTING STRUCTURE:**

The existing single span bridge (SN 050-0152) was built in 1931 as a 13½" Reinforced Concrete Deck with 18'-0" back to back concrete abutments. The bridge also includes a 4" concrete wearing surface. The bridge is located on a tangent section with a 0 degree skew.



**INDEX OF SHEETS**

SHEET NO.	TITLE
S1	General Plan
S2-S3	Miscellaneous Details
S4	Cast-in-Place Details
S5	Soil Boring Logs
S6-S7	Existing Structure Information
S8-S10	404 Permit Exhibits

**LOADING HL-93**

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

**DESIGN SPECIFICATIONS**

2014 AASHTO LRFD Bridge Design Specifications, 7th Edition

**DESIGN STRESSES**

**FIELD UNITS**

f'c = 3,500 psi  
fy = 60,000 psi (Reinforcement)

**PRECAST UNITS**

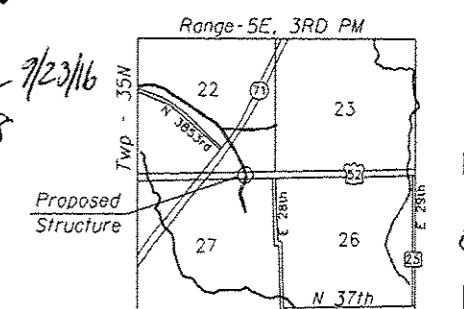
f'c = 5,000 psi  
fy = 65,000 psi (Welded wire fabric)  
fy = 60,000 psi (Reinforcement)

**DESIGN FILL HEIGHT**

Design Earth Cover = ±1'-4"



*David Carl Puzey 7/23/16*  
*Expires 11/30/18*



**LOCATION SKETCH**

**TOTAL BILL OF MATERIAL**

ITEM	UNIT	TOTAL
Stone Riprap, Class A4	Sq Yd	155
Filter Fabric	Sq Yd	155
Porous Granular Embankment	Cu Yd	170
Removal of Existing Structures No. 1	Each	1
Precast Concrete Box Culverts 8'x6'	Foot	84
Concrete Box Culverts	Cu Yd	34.2
Name Plates	Each	1
*Membrane Waterproofing For Culverts	Sq Yd	137
Reinforcement Bars, Epoxy Coated	Pound	7590
Structure Excavation	Cu Yd	137

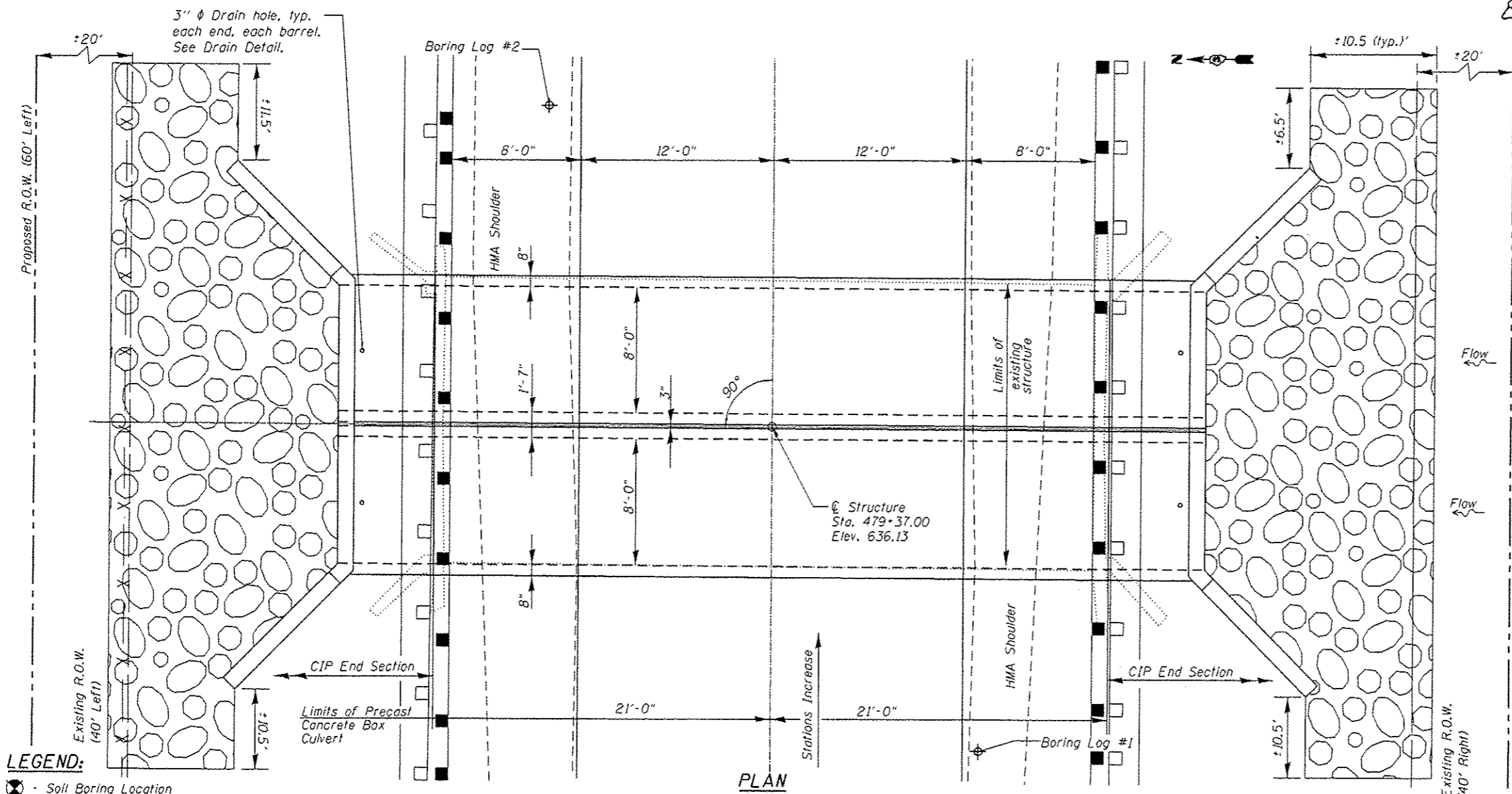
\*See Details

STATION 479+37.00  
BUILT 201 BY  
STATE OF ILLINOIS  
FAP RT. 607 SEC. (125)BR  
LOADING HL93  
STR. NO. 050-2654

**NAME PLATE**

See Std. 515001

**GENERAL PLAN & ELEVATION**  
**US ROUTE 52 OVER MISSION CREEK TRIBUTARY**  
**F.A.P. RT. 607 SEC. (125)BR**  
**LASALLE COUNTY**  
**STATION 479+37.00**  
**STRUCTURE NO. 050-2654**



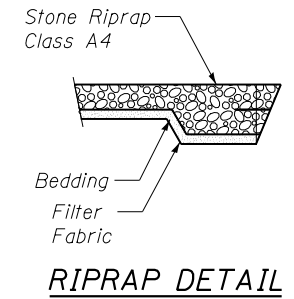
**LEGEND:**

☉ - Soil Boring Location

FILE NAME :	USER NAME : duncanbd	DESIGNED :	REVISED :	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	BOX CULVERT DETAILS SN 050-2654	F.A.P. RTE. : 607	SECTION : (125)BR, BR-1, BR-2	COUNTY : LASALLE	TOTAL SHEETS : 85	SHEET NO. : 33
	PLOT SCALE : 8.0000' / in	CHECKED :	REVISED :		SCALE :	SHEET NO. 1 OF 10 SHEETS	STA. :	TO STA. :	CONTRACT NO. 66D49	ILLINOIS FED. AID PROJECT
	PLOT DATE : 8/3/2016	DATE :	REVISED :							

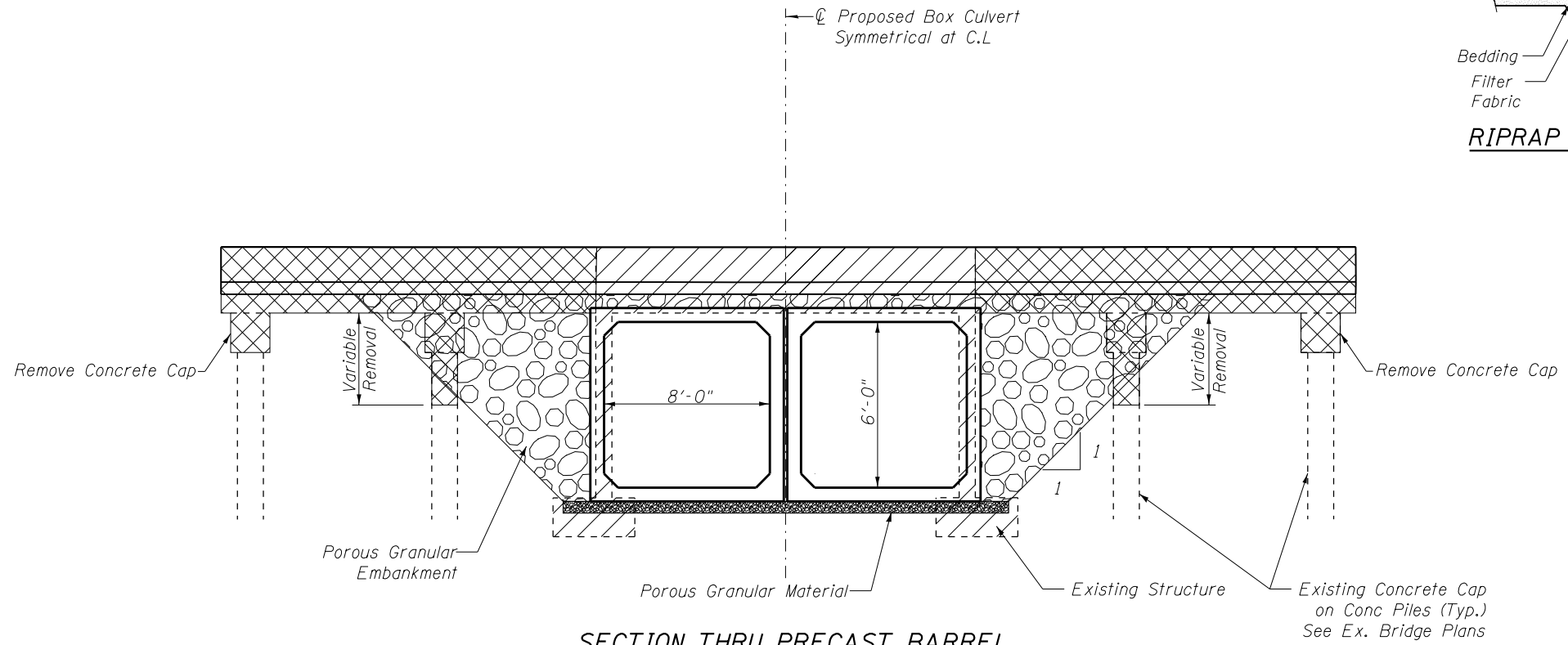
**GENERAL NOTES**

1. Porous Granular Embankment shall be used in the voids created by the removal of the abutment footings and the removal of the concrete caps & concrete pilings associated with the existing approach slab. PGE quantity included in the plans for this work.
2. The last section of precast culvert on each end shall have epoxy coated dowel bars extending from the precast culvert to be incorporated into the cast-in-place end sections as shown on sheet 4 of 10. To be included in the cost of Precast Concrete Box Culverts.
3. Precast concrete box culverts shall conform to the design requirements of ASTM C1577.
4. Structure removal includes the abutment footings or 1' below the proposed subgrade per Article 501.04 whichever is greater.



**LEGEND**

- Removal of Existing Structures
- Porous Granular Embankment
- Porous Granular Backfill
- Approach Slab Removal (see Special Provisions)



Dimensions at right angle to  $\phi$  of culvert (Looking North).  
 3" nominal space shall be as per Standard Specifications - 2016, Section 540.06.  
 Cost included with pay item for "Precast Concrete Box Culvert 8'x6".

**WATERWAY INFORMATION TABLE**

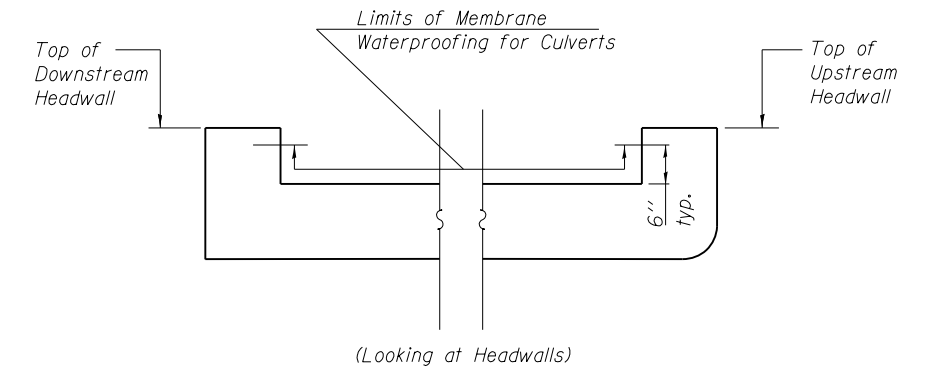
Drainage Area = 0.56 sq. mi.									
Exist. Low Grade Elev. = 635.43 @ Sta. 481+36									
Prop. Low Grade Elev. = 635.43 @ Sta. 481+36									
Flood	Freq. Yr.	Q C.F.S.	Opening Sq. Ft.		Nat. H.W.E.	Head - Ft.		Headwater El.	
			Exist.	Prop.		Exist.	Prop.	Exist.	Prop.
Design	50	260	55	67	631.7	0.7	0.0	632.4	631.7
Base	100	299	58	71	631.9	0.8	0.0	632.7	631.9
Scour Check	200	341	61	74	632.1	0.9	0.0	633.0	632.1
Max. Calc.	500	395	64	77	632.3	1.1	0.1	633.4	632.4
Overtopping	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Existing 10-Year Velocity=3.9 ft/sec.  
 Proposed 10-Year Velocity=3.2 ft/sec.

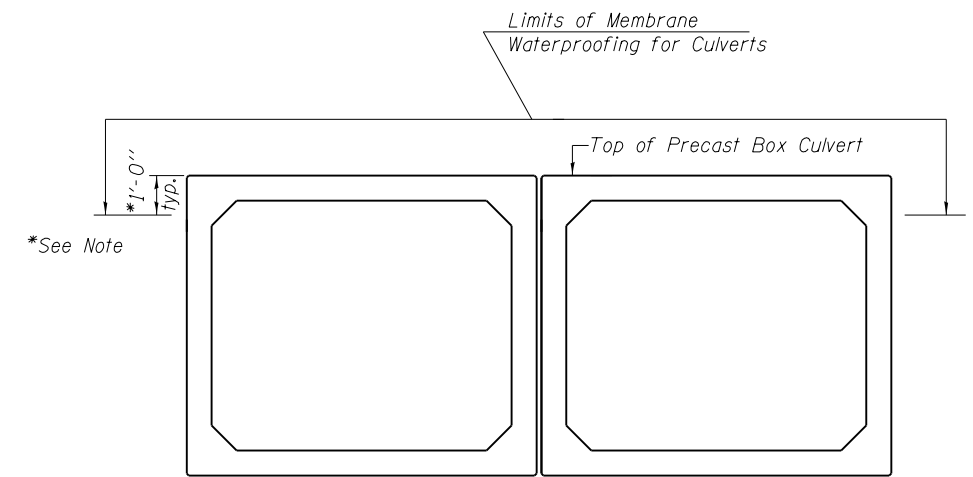
**DESIGN SCOUR ELEVATION TABLE**

Design Scour Elevation (ft.)	U.S. Invert	D.S. Invert
	624.25	623.95

**MISCELLANEOUS DETAILS**  
**US ROUTE 52 OVER MISSION CREEK TRIBUTARY**  
**F.A.P. RT. 607 SEC. (125)BR**  
**LASALLE COUNTY**  
**STATION 479+37.00**  
**STRUCTURE NO. 050-2654**



(Looking at Headwalls)



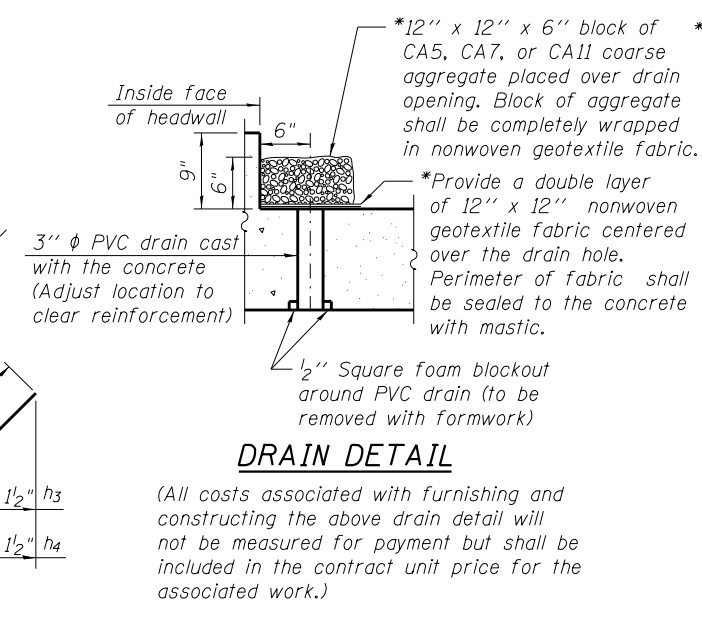
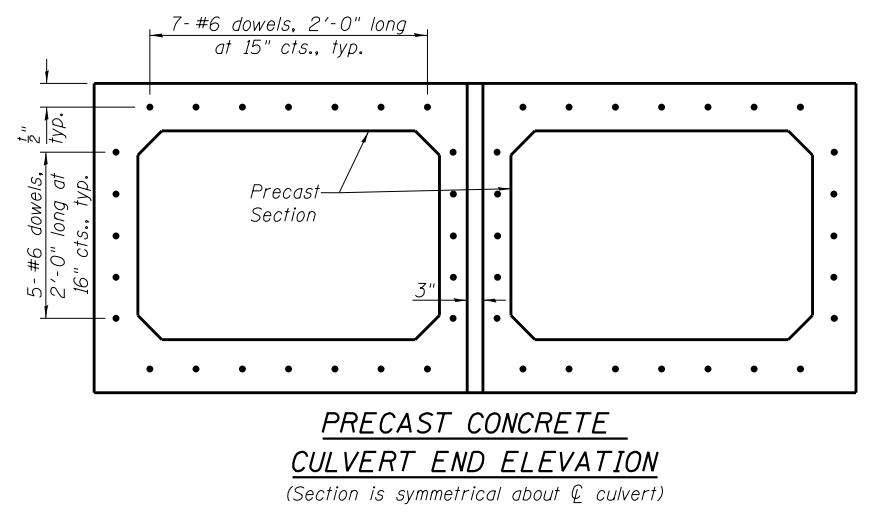
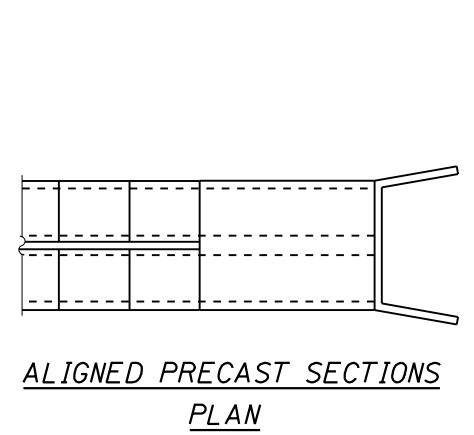
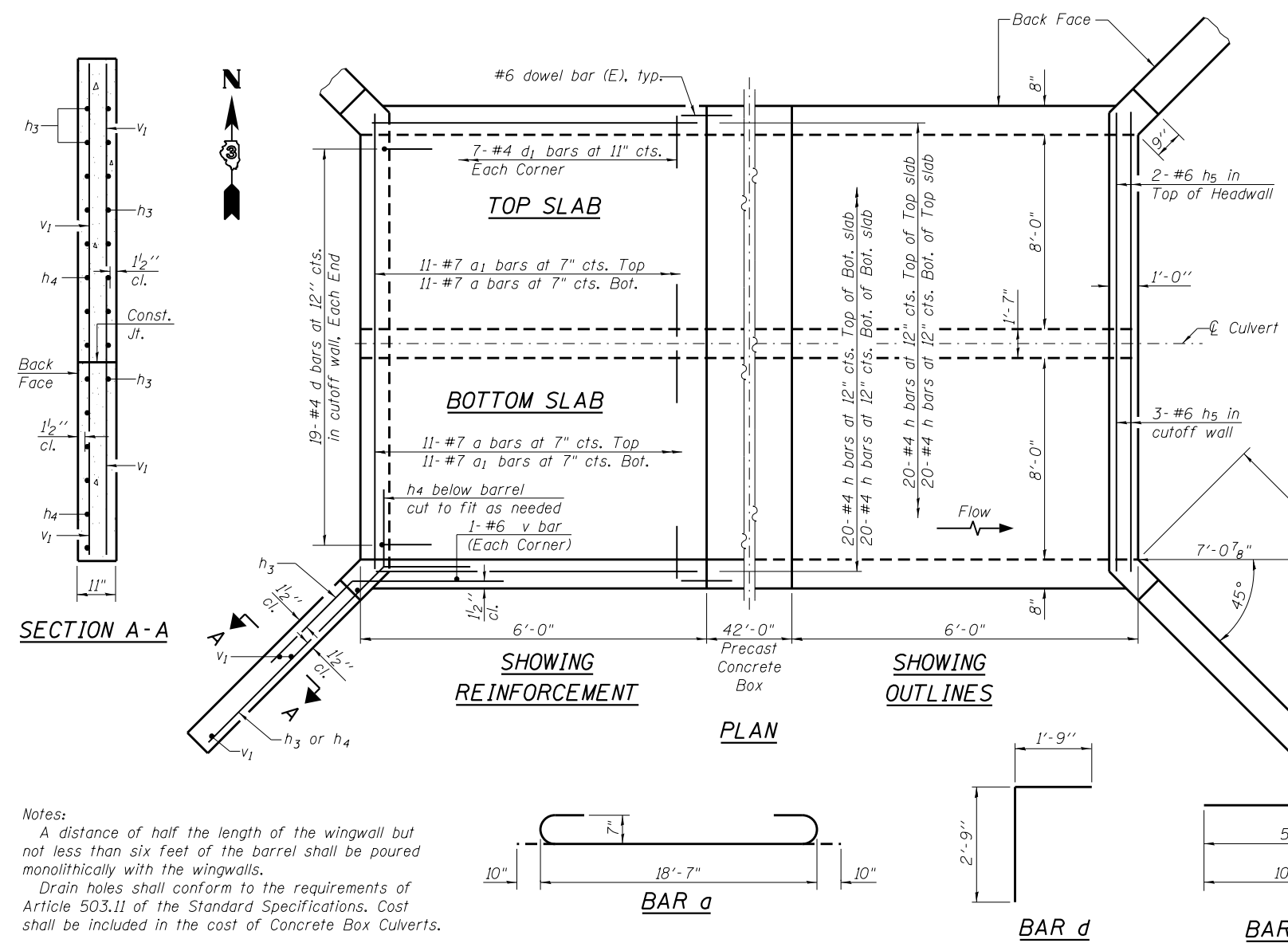
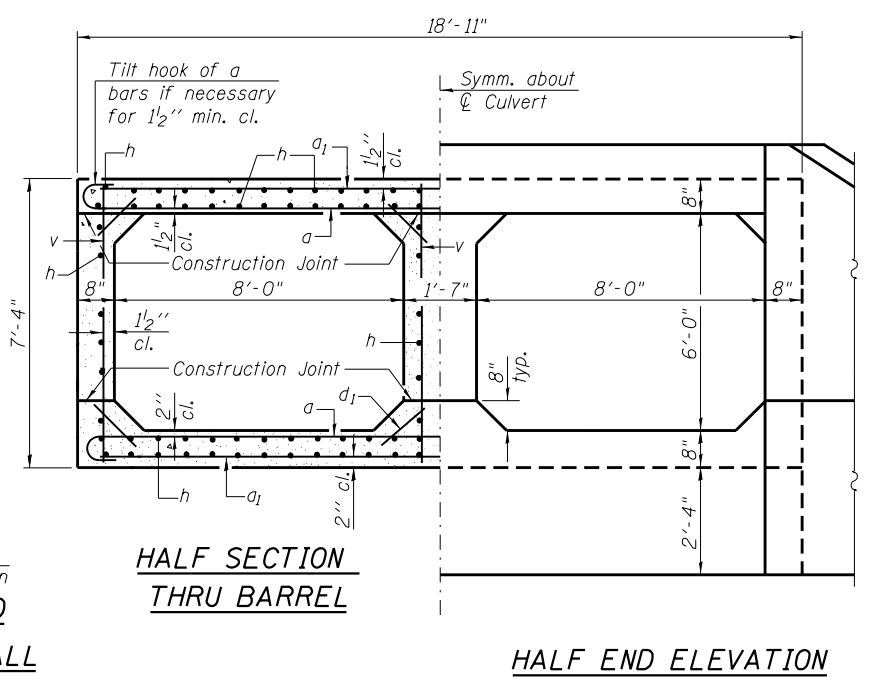
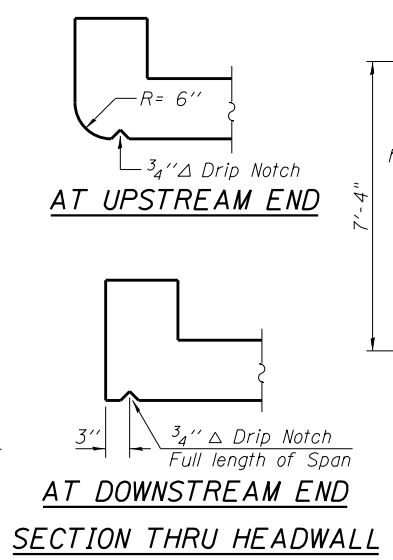
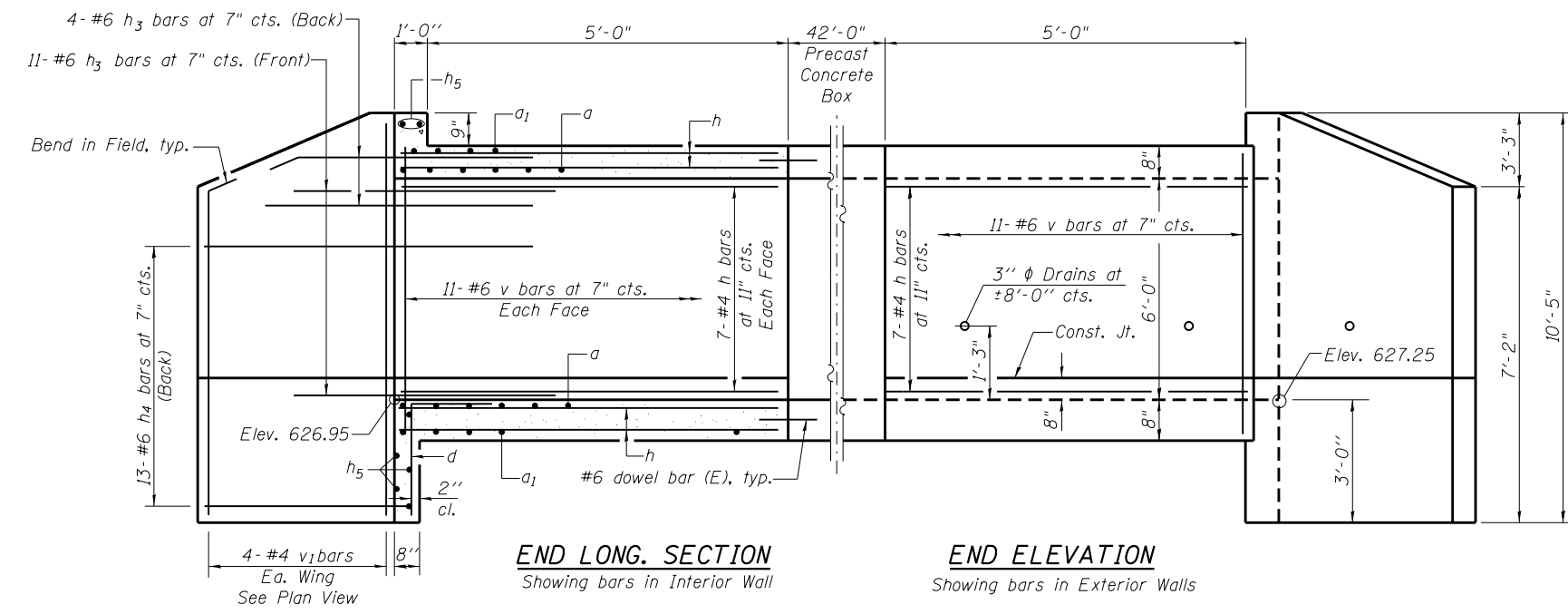
(Looking at Box Sections)

**MEMBRANE WATERPROOFING  
FOR CULVERTS LIMITS**

*Note: Waterproofing Membrane for Culverts shall cover top of the top slab, top one foot of side walls, and 6 inches up inside face of the headwalls of the Precast Box Culvert Sections. At the 6' Cast-in-Place end sections the waterproofing membrane shall extend down the outside face to the bottom of the culvert.*

**MISCELLANEOUS DETAILS**  
**US ROUTE 52 OVER MISSION CREEK TRIBUTARY**  
**F.A.P. RT. 607 SEC. (125)BR**  
**LASALLE COUNTY**  
**STATION 479+37.00**  
**STRUCTURE NO. 050-2654**

FILE NAME =	USER NAME = duncanbd	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>BOX CULVERT DETAILS SN 050-2654</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
p:\11\084EBIDINTEG.illinois.gov\PI\DOT\Documents\DOT Offices\District 3\Projects\0366049\Drawings\0366049-shd-boxculvert.dgn		DRAWN -	REVISED -			607	(125)BR, BR-1, BR-2	LASALLE	83	35	
PLOT SCALE = 8.0000' / in.	CHECKED -	REVISED -	REVISED -			CONTRACT NO. 66D49		ILLINOIS FED. AID PROJECT			
PLOT DATE = 8/3/2016	DATE -	REVISED -	REVISED -			SCALE:	SHEET NO. 3 OF 10 SHEETS	STA.	TO STA.		



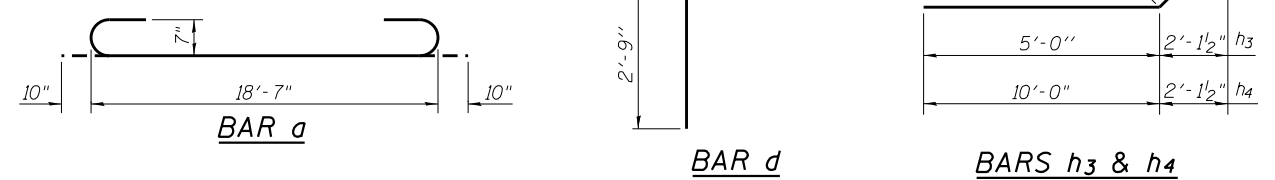
\*12" x 12" x 6" block of CA5, CA7, or CA11 coarse aggregate placed over drain opening. Block of aggregate shall be completely wrapped in nonwoven geotextile fabric.

\*Nonwoven geotextile fabric shall conform to the requirements of Article 1080.01 of the Standard Specifications. The minimum weight of the fabric shall be 6 ounces per square yard.

**BILL OF MATERIAL**

Bar	No.	Size	Length	Shape	
a	44	#7	20'-3"		
a <sub>1</sub>	44	#7	18'-7"		
d	38	#4	4'-6"		
d <sub>1</sub>	112	#4	1'-1"		
h	216	#4	5'-8"		
h <sub>3</sub>	60	#6	8'-0"		
h <sub>4</sub>	52	#6	13'-0"		
h <sub>5</sub>	10	#6	17'-11"		
v	92	#6	7'-0"		
v <sub>1</sub>	16	#4	10'-1"		
Concrete Box Culverts				Cu. Yd.	34.2
Reinforcement Bars, Epoxy				Pound	7590

**Notes:**  
A distance of half the length of the wingwall but not less than six feet of the barrel shall be poured monolithically with the wingwalls.  
Drain holes shall conform to the requirements of Article 503.11 of the Standard Specifications. Cost shall be included in the cost of Concrete Box Culverts.





# SOIL BORING LOG

Page 1 of 1

Date 3/11/15

ROUTE US 52 (FAP 607) DESCRIPTION US 52 over a Creek, 0.25 miles East of IL 71 LOGGED BY Larry Myers

SECTION 125BR, BR-1, BR-2 LOCATION NE 1/4, SEC. 27, TWP. 35N, RNG. 5E, 3<sup>rd</sup> PM, Latitude 41.485897, Longitude -88.640437

COUNTY LaSalle DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME Automatic

STRUCT. NO. 050-0152  
Station 479+37  
BORING NO. 01 (S.W. Quad.)  
Station 479+17  
Offset 13.0 ft Rt.  
Ground Surface Elev. 635.77 ft

DEPTH (ft)	DEPTH (ft)	BLOWS	UCS (tsf)	MOISTURE (%)	DESCRIPTION	DEPTH (ft)	DEPTH (ft)	BLOWS	UCS (tsf)	MOISTURE (%)	DESCRIPTION
633.27					Augered Shoulder Stone & Black Silty Clay Loam Fill Note: Frost to 4.0'	4	5	5.1	19		Hard Gray Clay Till with Layers of Gray Clay (continued)
631.77	5	>4.5	20		Very Stiff Black Silty Clay Loam Fill with Organics & Sand Pockets Note: Frost to 4.0'	7	9	4.8	19		
629.27	4	3.5	25		Very Stiff Black Silty Clay Loam Topsoil	6	9	5.1	19		
626.27	3	2.0	19		Stiff Gray & Brown Gravel with Silt Matrix	6	11	4.3	17		Hard Gray Silty Clay with Silt Layers & Seams
623.77	5	6.5	17		Hard Brownish Gray Silty Clay Loam Till	10	11	4.9	18		
602.77	10	9.1	16		Hard Gray Clay Till with Layers of Gray Clay	14	21				Very Stiff Gray Sandy Loam Till with Fine Sand Layers
599.27	5	6.6	17			8	4	3.0	11		
	5	4.1	30								End of Boring

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

BBS, form 137 (Rev. 8-99)



# SOIL BORING LOG

Page 1 of 1

Date 3/11/15

ROUTE US 52 (FAP 607) DESCRIPTION US 52 over a Creek, 0.25 miles East of IL 71 LOGGED BY Larry Myers

SECTION 125BR, BR-1, BR-2 LOCATION SE 1/4, SEC. 22, TWP. 35N, RNG. 5E, 3<sup>rd</sup> PM, Latitude 41.485991, Longitude -88.640315

COUNTY LaSalle DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME Automatic

STRUCT. NO. 050-0152  
Station 479+37  
BORING NO. 02 (N.E. Quad.)  
Station 479+57  
Offset 14.0 ft Lt.  
Ground Surface Elev. 635.82 ft

DEPTH (ft)	DEPTH (ft)	BLOWS	UCS (tsf)	MOISTURE (%)	DESCRIPTION	DEPTH (ft)	DEPTH (ft)	BLOWS	UCS (tsf)	MOISTURE (%)	DESCRIPTION
633.32					Augered Shoulder Stone & Black Silty Clay Loam Fill Note: Frost to 4.0'	5	6	5.2	19		Hard Gray Clay Till with some Clay Layers (continued)
631.32	9	>4.5	21		Very Stiff Black Silty Clay Loam Fill with Organics Note: Frost to 4.0'	7	10	5.0	20		
629.32	4	2.5	27		Very Stiff Black Silty Clay Loam Topsoil	6	8	5.0	18		
626.82	3	2.5	15		Very Stiff Gray & Brown Gravel in Silt Matrix	8	10	5.2	13		Hard Gray Silty Clay with Silt Pockets & Seams
623.82	5	6.1	18		Hard Brownish Gray Silty Clay Loam Till	10	8	5.0	15		
602.82	9	9.3	16		Hard Gray Clay Till with some Clay Layers	14	18				Hard to Very Stiff Gray Sandy Loam Till with Fine Sand Layers & Pockets
599.32	8	7.1	19			16	21	4.0	10		
	6	4.8	20								End of Boring

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

BBS, form 137 (Rev. 8-99)

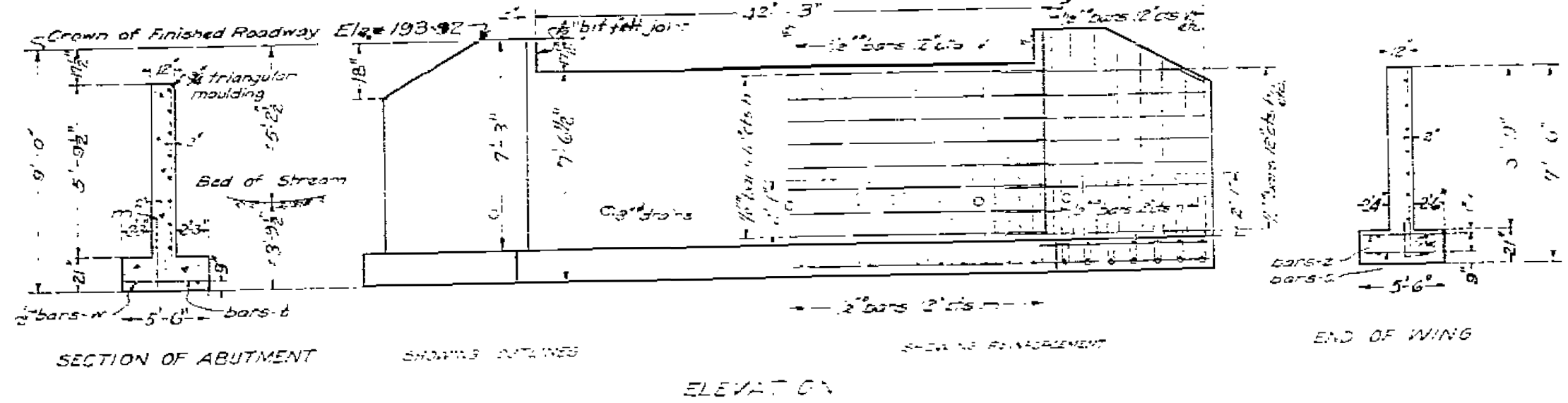
B.N. Bent N.W. . . . . distance 120' Lt Sta 479+57  
 Elev 190.76  
 Existing structure - R.C. Slab 16' span, 16' rdy. to  
 be removed by contractor.

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

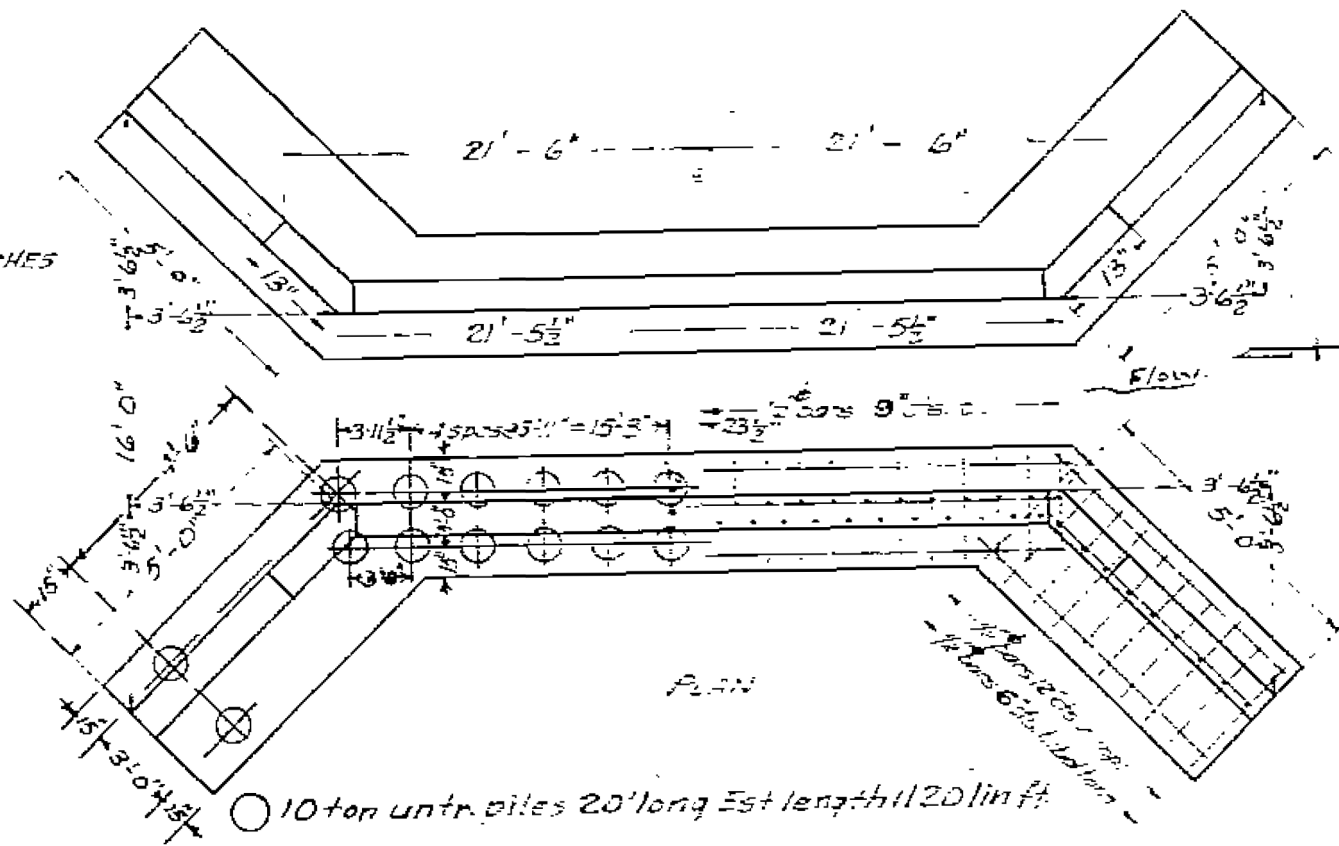
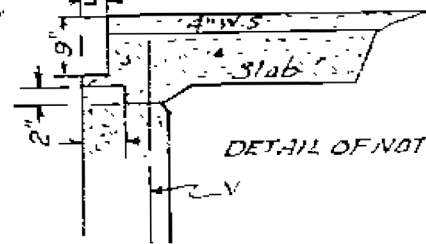
ROUTE	SEC	COUNTY	TOTAL SHEETS	SHEET NO.
69	125B	La-Salle	49	47
FOR ROAD DIST. NO. 7 ILLINOIS			FED. AID PROJECT 190	

Spec No 2  
 2 Sheets

R.C. ABUTMENTS FOR SLAB BRIDGE  
 HEIGHT OVER ALL 9 FEET



Note  
 Class X concrete shall be used throughout.  
 All reinforcing steel shall be securely wired in place before concrete is poured.



BILL OF MATERIAL

Bar	No	Size	Length
1	86	1/2"	6'-6"
2	4	1/2"	7'-0"
3	16	1/2"	5'-6"
4	24	1/2"	22'-6"
5	24	1/2"	6'-0"
6	118	1/2"	5'-3"
7	52	1/2"	5'-2"
8	20	1/2"	5'-2"
9	20	1/2"	4'-5"
10	8	1/2"	12'-6"
11	16	1/2"	6'-6"
12	86	1/2"	3'-0"

Reinforcing Steel Los 2380  
 Concrete Cuydas 601

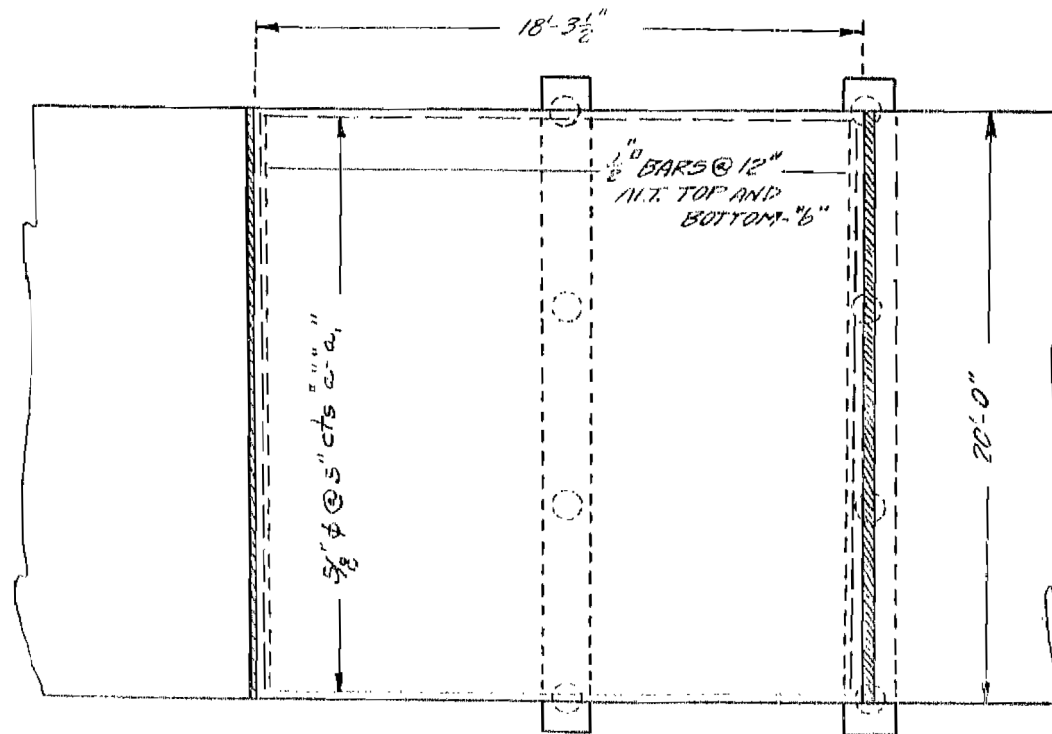
DESIGNED	BY	DATE
CHECKED	BY	DATE
APPROVED	BY	DATE
REVISION	BY	DATE

5-15-31  
 J. F. Bunch  
 H. E. Johnson  
 Frank J. [Signature]

S.B.I. RT. 69 Sec. 125-B  
 LA. SALLE COUNTY  
 STA. 479+37.

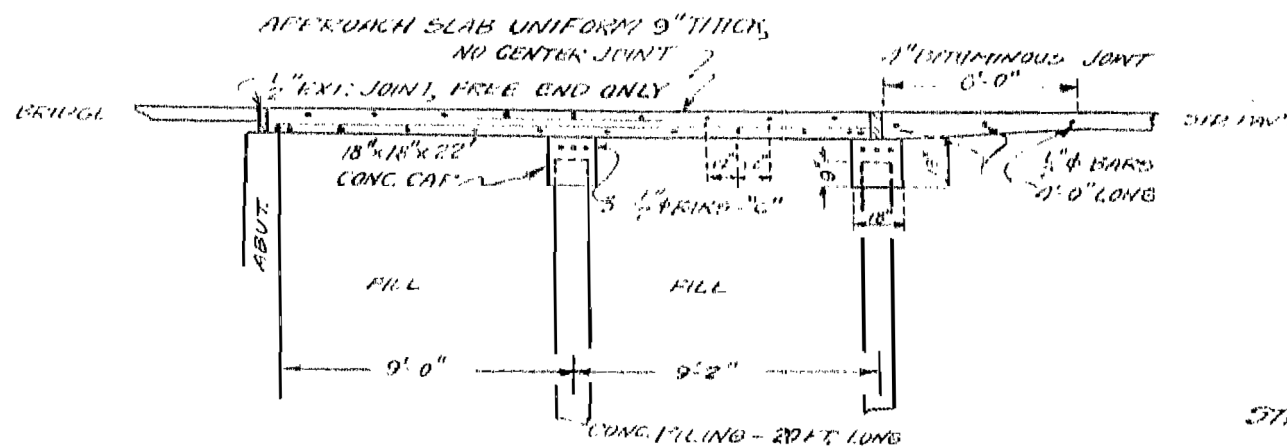
# PAVEMENT ADJACENT BRIDGES

ROAD DISTRICT NO.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
69	B125	LASALLE	49	40
FED. ROAD DIST. NO. 7 ILLINOIS			FED. AID PROJECT 190	



BAR	No.	SIZE	LENGTH
a	48	5/8" φ	17'-6"
a <sub>1</sub>	48	5/8" φ	6'-0"
b	21	1/2" φ	18'-6"
c	6	1/2" φ	21'-6"
STEEL - Lbs.			1560
Conc. Cu. Yds.			18.6
Conc. Filling T.T.			780
Conc. Cu. Yds. - Caps			1.8

Note: The cost of constructing the Pavement in accordance with this design at such points as are designated on the detail plans including all extra materials except Reinforcement Bars shall be included in the unit price bid for Pavement. No extra compensation will be allowed, except for Reinforcement Bars which will be paid for at the contract unit price for "Reinforcement Bars."



STA. [redacted] ~ 371+98  
 440+86 ~ 449+37  
 542+88 ~ 573+18  
 RT. 69 SEC 125  
 LASALLE CO.

FILE NAME =	USER NAME = duncanbd	DESIGNED -	REVISED -
p:\11084EBIDINTEG.illinois.gov\PIWIDOT\Documents\DOT Offices\District 3\Projects\03660\Drawings\EA0\Drawings\0366049-sht-box\0366049-sht-box.dwg		CHECKED -	REVISED -
PLOT SCALE = 8.0000' / in.	DATE = 8/3/2016	CHECKED -	REVISED -

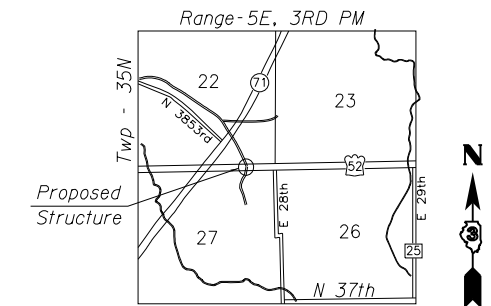
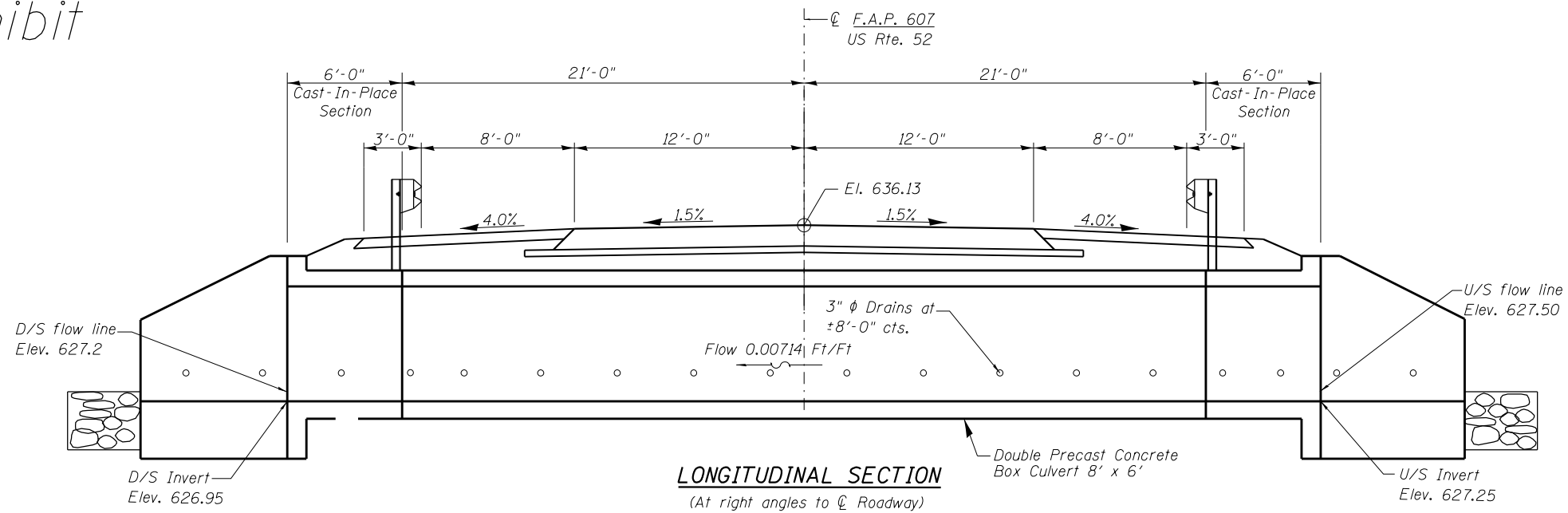
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

FOR INFORMATION ONLY  
SN 050-2654

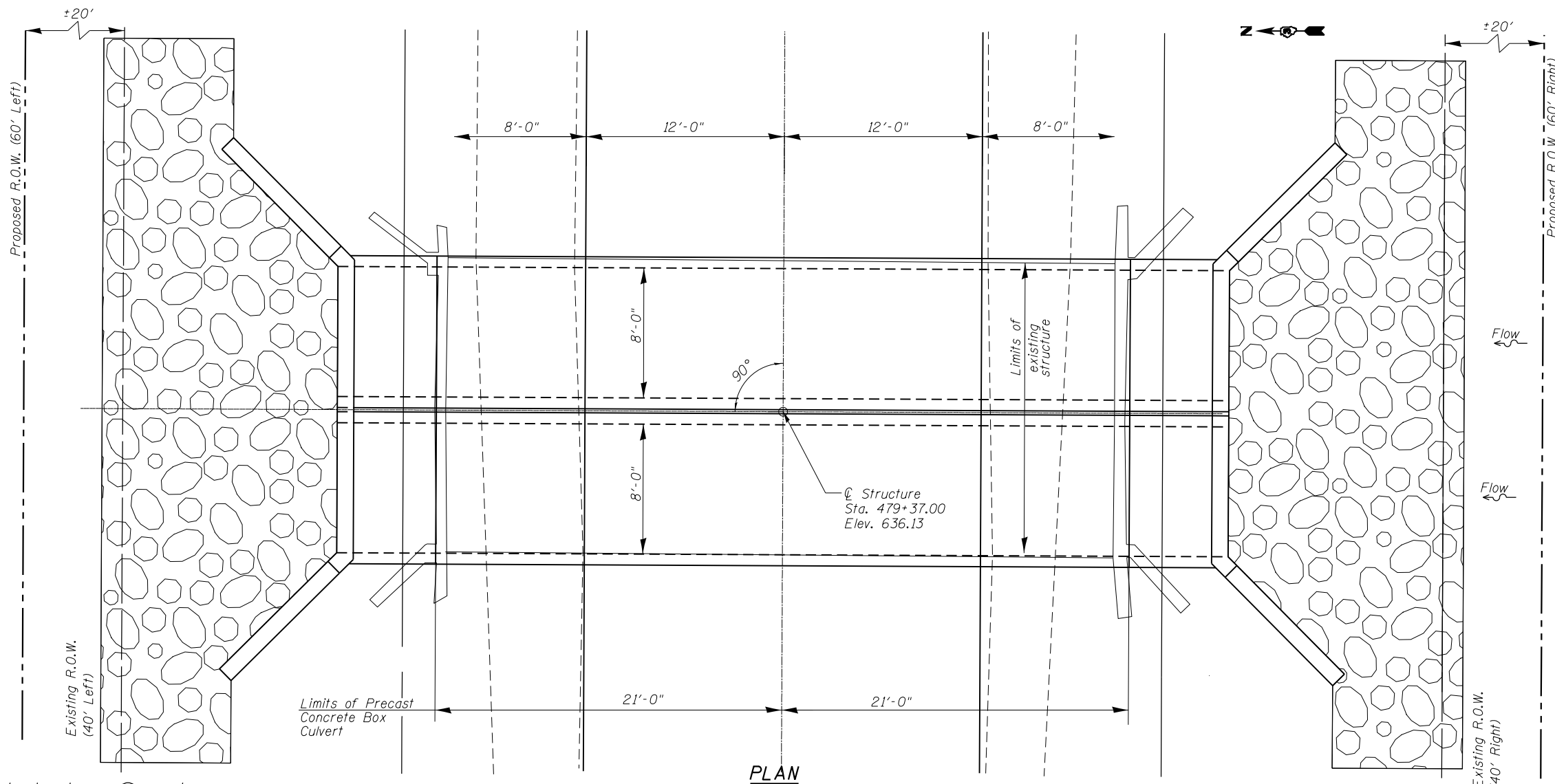
SCALE: SHEET NO. 7 OF 10 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
607	(125)BR, BR-1, BR-2	LASALLE	83	39
CONTRACT NO. 66D49				
ILLINOIS FED. AID PROJECT				

Exhibit



LOCATION SKETCH



PLAN

Not to Scale

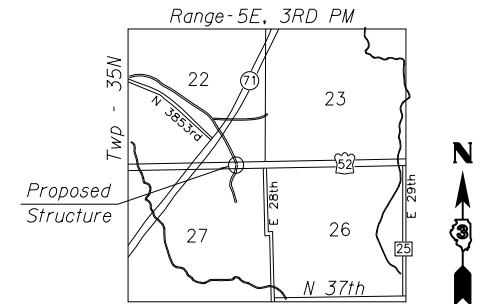
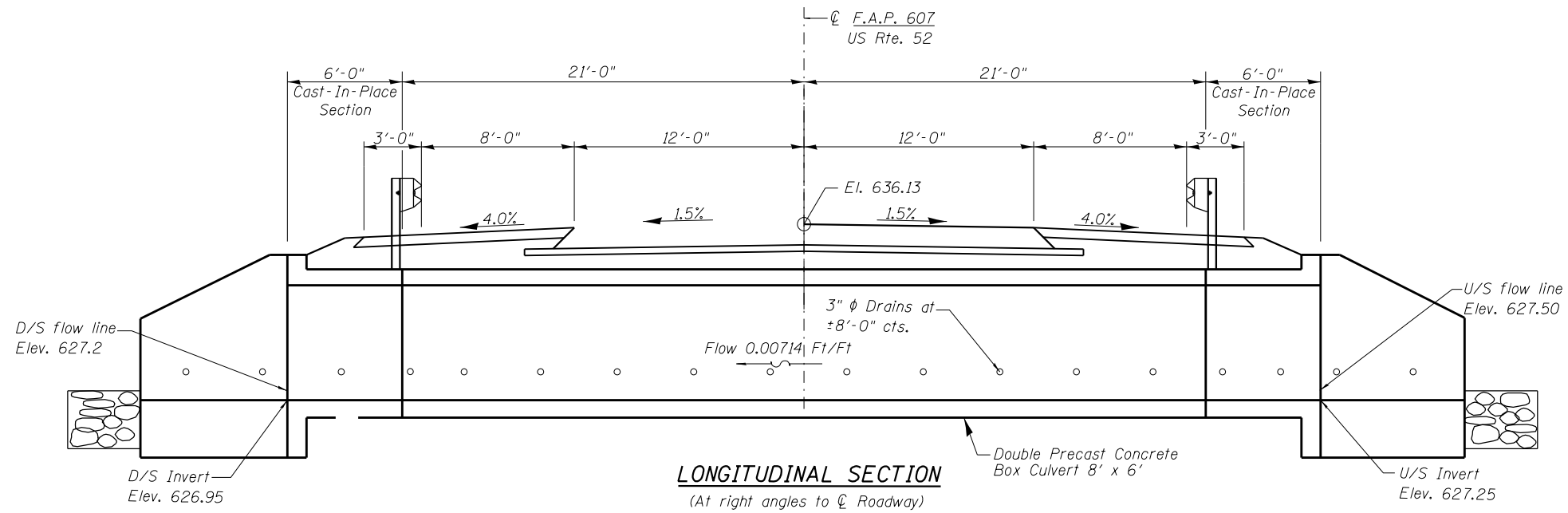
GENERAL PLAN & ELEVATION  
 US ROUTE 52 OVER MISSION CREEK TRIBUTARY  
 F.A.P. RT. 607 SEC. (125)BR  
 LASALLE COUNTY  
 STATION 479+37.00  
 EXISTING STRUCTURE NO. 050-0152  
 PROPOSED STRUCTURE NO. 050-2654

FILE NAME =	USER NAME = duncanbd	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>404 PERMIT EXHIBITS SN 050-2654</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\IL084EBIDINTEG\illinois.gov\PWIDOT\Documents\DOT Offices\District 3\Projects\0366049\0366049-shr-box\0366049-shr-box.dwg	DATE = 8/3/2016	CHECKED -	REVISED -			607	(125)BR, BR-1, BR-2	LASALLE	83	40
PLOT SCALE = 8.0000' / in.	DATE = 8/3/2016	DATE -	REVISED -			CONTRACT NO. 66D49		ILLINOIS FED. AID PROJECT		

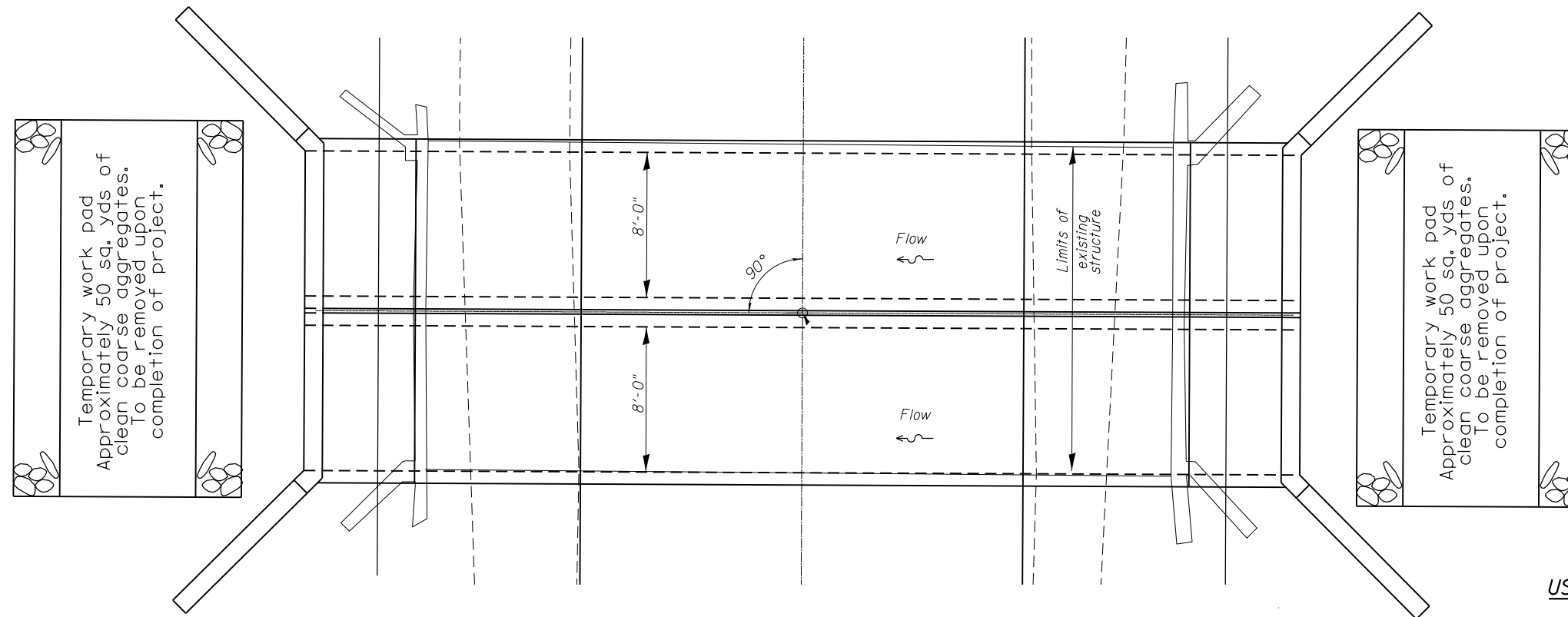
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Exhibit



**LOCATION SKETCH**



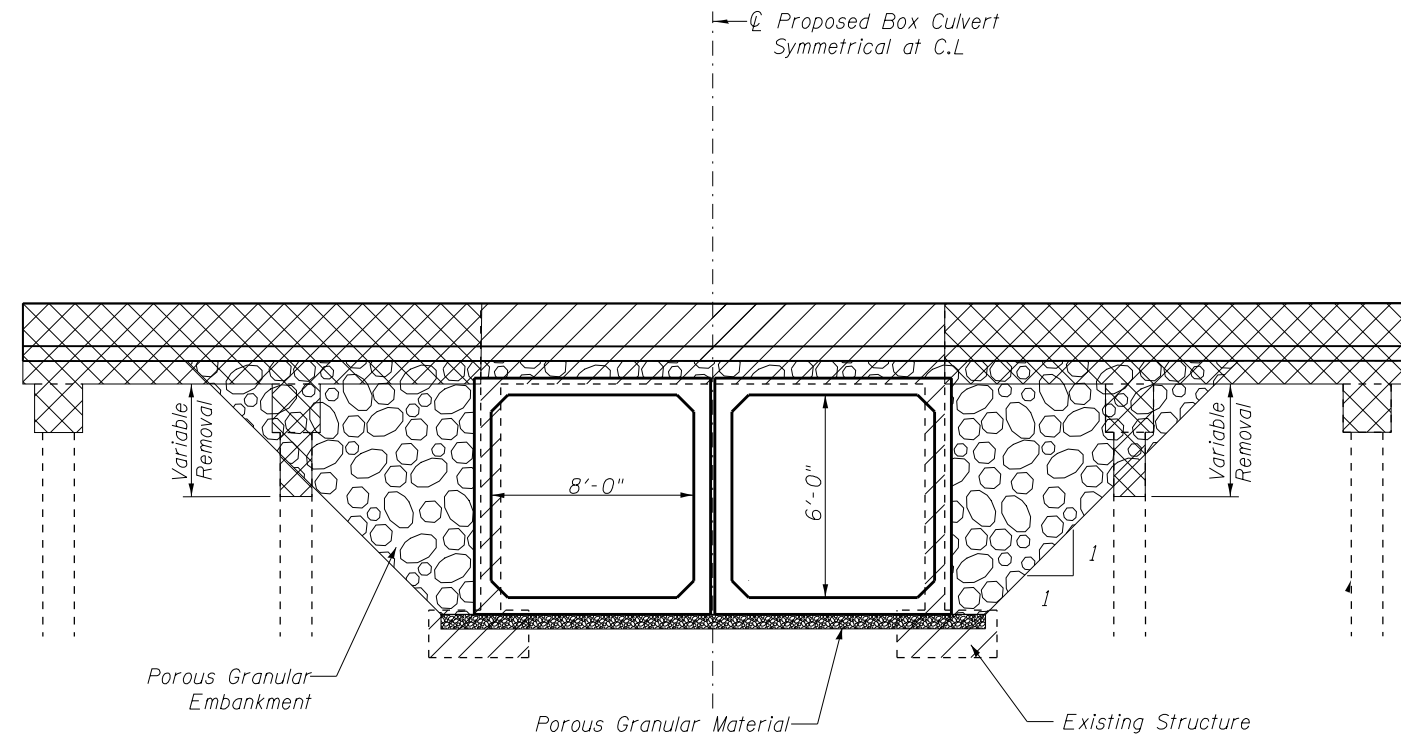
**PLAN**

**GENERAL PLAN & ELEVATION**  
**US ROUTE 52 OVER MISSION CREEK TRIBUTARY**  
**F.A.P. RT. 607 SEC. (125)BR**  
**LASALLE COUNTY**  
**STATION 479+37.00**  
**EXISTING STRUCTURE NO. 050-0152**  
**PROPOSED STRUCTURE NO. 050-2654**

Not to Scale

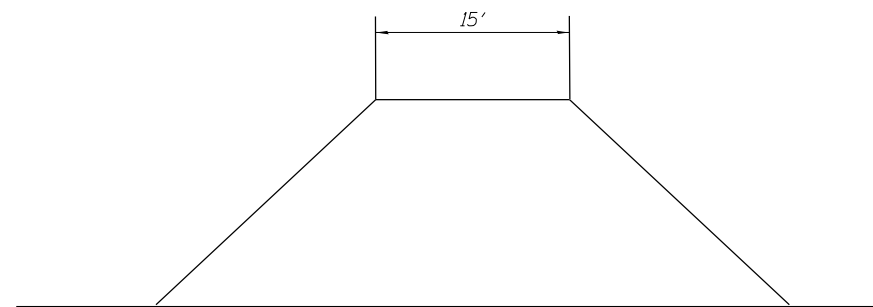
FILE NAME =	USER NAME = duncanbd	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>404 PERMIT EXHIBITS</b> <b>SN 050-2654</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\IL\084EBIDINTEG.illinois.gov\PIDOT\Documents\IDOT Offices\District 3\Projects\0366649\Drawings\0366649-shr-boxculvert\0366649-shr-boxculvert.dgn	DATE = 8/3/2016	CHECKED -	REVISED -			607	(125)BR, BR-1, BR-2	LASALLE	83	41
PLOT SCALE = 8.0000' / in.	DATE = 8/3/2016	DATE -	REVISED -			CONTRACT NO. 66D49				
PLOT DATE = 8/3/2016	DATE -	DATE -	REVISED -			SCALE:	SHEET NO. 9 OF 10 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT

Exhibit



**SECTION THRU PRECAST BARREL**

Dimensions at right angle to  $\phi$  of culvert (Looking North).  
 3" nominal space shall be as per Standard Specifications - 2016, Section 540.06.  
 Cost included with pay item for "Precast Concrete Box Culvert 8'x6".



Section thru work pad.  
 to be removed upob completion of project.

Not to Scale

**MISCELLANEOUS DETAILS**  
**US ROUTE 52 OVER MISSION CREEK TRIBUTARY**  
**F.A.P. RT. 607 SEC. (125)BR**  
**LASALLE COUNTY**  
**STATION 479+37.00**  
**EXISTING STRUCTURE NO. 050-0152**  
**PROPOSED STRUCTURE NO. 050-2654**

FILE NAME =	USER NAME = duncanbd	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>404 PERMIT EXHIBITS SN 050-2654</b>			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\IL\084EBIDINTEG\illinois.gov\PWIDOT\Documents\IDOT Offices\District 3\Projects\0366049\Drawings\0366049-shr-boxculvert.dgn		DRAWN -	REVISED -					607	(125)BR, BR-1, BR-2	LASALLE	83	42
PLOT SCALE = 8.0000' / in.	CHECKED -	REVISED -	REVISED -					CONTRACT NO. 66D49				
PLOT DATE = 8/3/2016	DATE -	REVISED -	REVISED -					ILLINOIS FED. AID PROJECT				
				SCALE:	SHEET NO. 10 OF 10 SHEETS	STA.	TO STA.					

**BENCH MARK:**

Sta. 542+76.73 21.68 ft. Left.  
Chiseled "□" N. E. Wingwall  
Elev. 678.70.

**EXISTING STRUCTURE:**

The existing single span bridge (SN 050-0151) was built in 1931 as a 10 1/2" Reinforced Concrete Deck with 22'-0" back to back concrete abutments. The bridge also includes a 4" concrete wearing surface. The bridge is located on a tangent section with a 0 degree skew.

**INDEX OF SHEETS**

SHEET NO.	TITLE
S1	General Plan
S2-S3	Miscellaneous Details
S4	Precast End Section (1 of 2)
S5	Precast End Section (2 of 2)
S6	Pipe Gate (1 of 2)
S7	Pipe Gate (2 of 2)
S8	Soil Boring Logs
S9-S10	Existing Structure Information
S11-S13	404 Permit Exhibits

**LOADING HL-93**

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

**DESIGN SPECIFICATIONS**

2014 AASHTO LRFD Bridge Design Specifications, 7th Edition

**DESIGN STRESSES**

**FIELD UNITS**

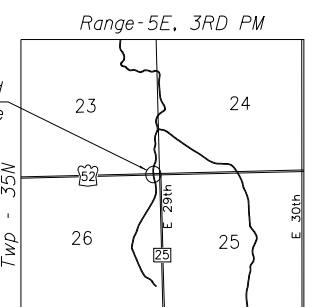
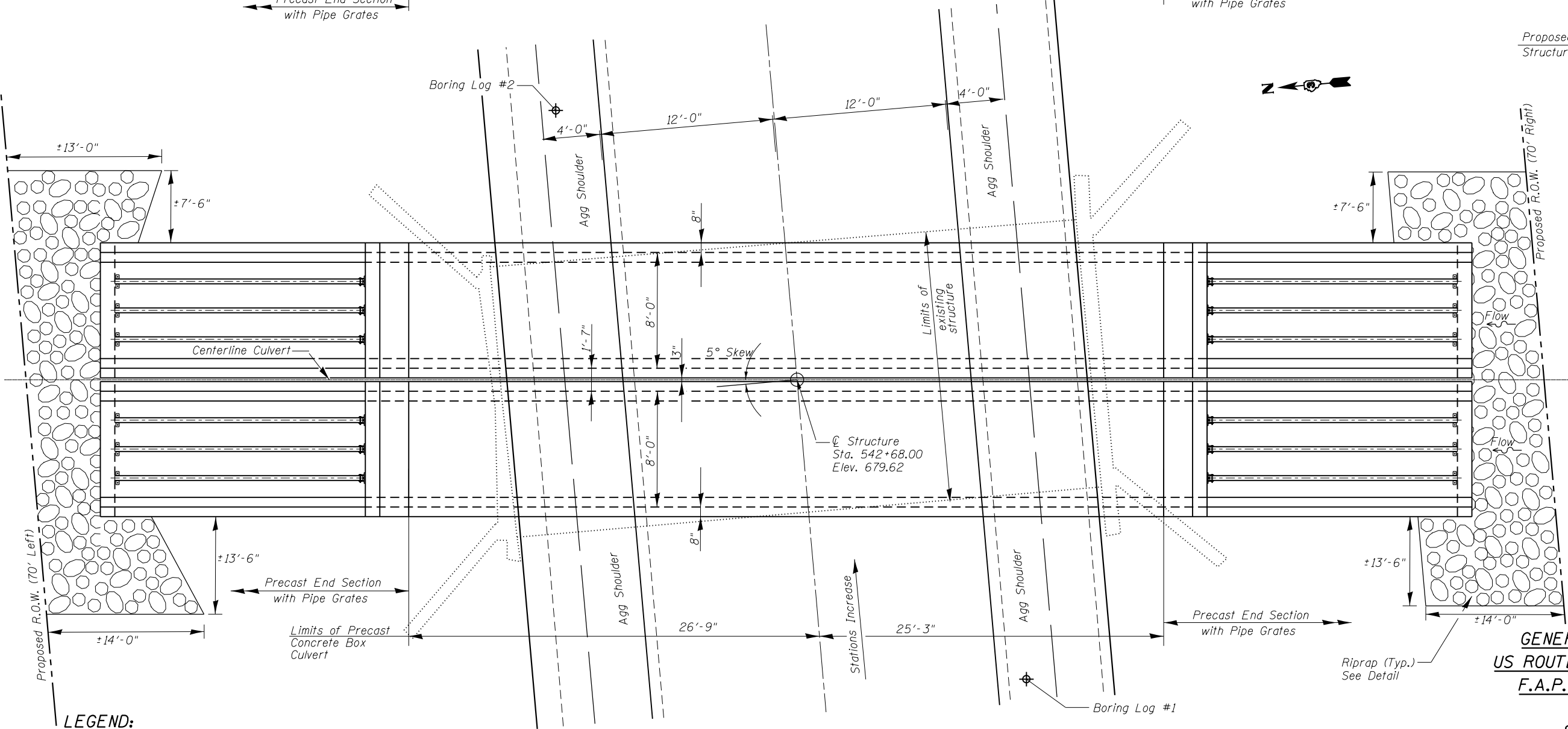
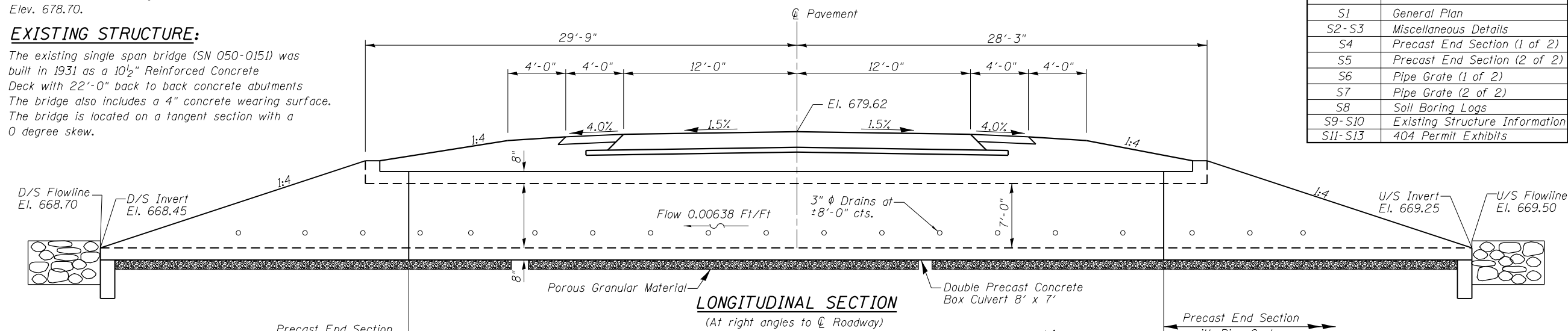
f'c = 3,500 psi  
fy = 60,000 psi (Reinforcement)

**PRECAST UNITS**

f'c = 5,000 psi  
fy = 65,000 psi (Welded wire fabric)  
fy = 60,000 psi (Reinforcement)

**DESIGN FILL HEIGHT**

Design Earth Cover = ±2'-0"



**LOCATION SKETCH**

STATION 542+68.00  
BUILT 201 BY  
STATE OF ILLINOIS  
FAP RT. 607 SEC. (125)BR-1  
LOADING HL93  
STR. NO. 050-2653

**NAME PLATE**

See Std. 515001

**GENERAL PLAN & ELEVATION**  
**US ROUTE 52 OVER MISSION CREEK**  
**F.A.P. RT. 607 SEC. (125)BR-1**  
**LASALLE COUNTY**  
**STATION 542+68.00**  
**STRUCTURE NO. 050-2653**

**LEGEND:**

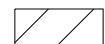



⊗ - Soil Boring Location

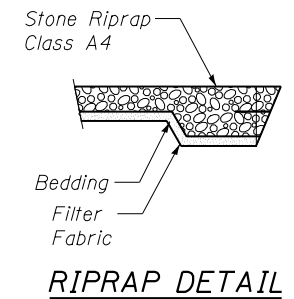
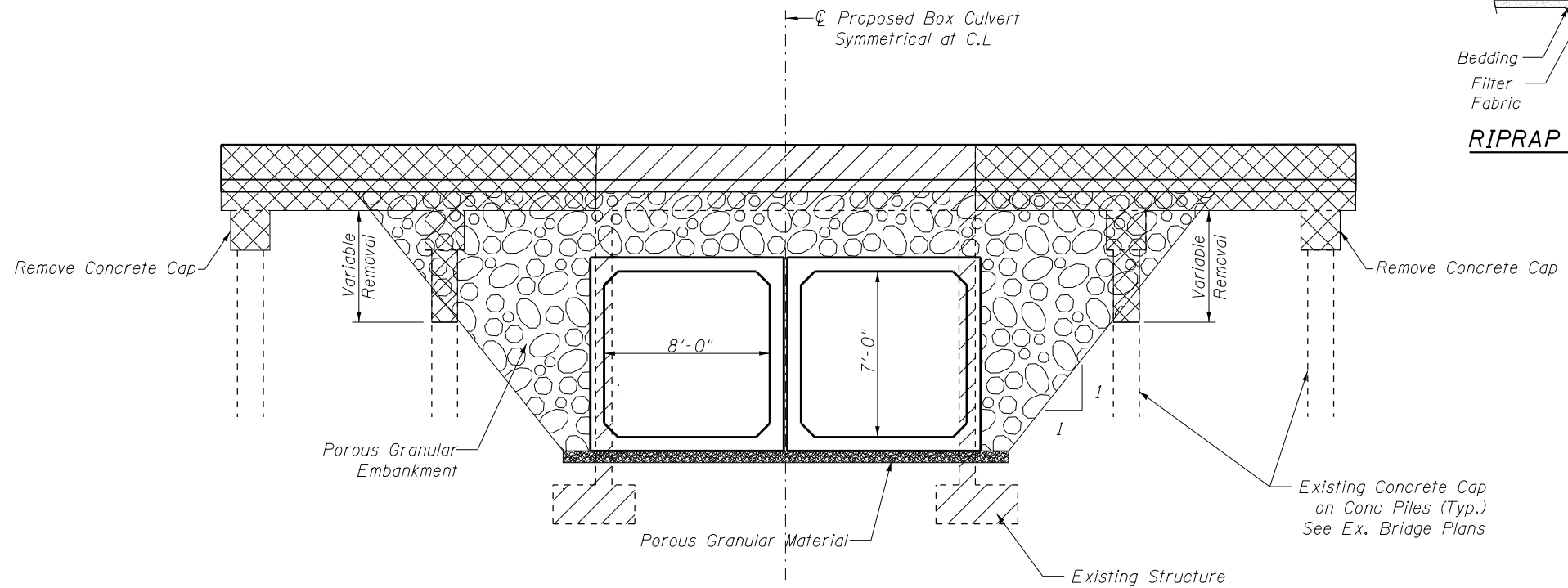
FILE NAME =	USER NAME = duncanbd	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>BOX CULVERT DETAILS SN 050-2653</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
p:\11\084EBIDINTEG\11\inois.gov\PIDOT\Documents\IDOT Offices\District 3\Projects\0366049\shd\0366049-shd-boxculvert.dwg	DATE = 8/3/2016	CHECKED -	REVISED -			607	(125)BR, BR-1, BR-2	LASALLE	83	43
PLOT SCALE = 8.0000' / in.	DATE = 8/3/2016	DATE -	REVISED -			CONTRACT NO. 66D49				
						SCALE:	SHEET NO. 1 OF 13 SHEETS	STA.	TO STA.	

**GENERAL NOTES**

1. Porous Granular Embankment shall be used in the voids created by the removal of the abutment footings and the removal of the concrete caps & concrete pilings associated with the existing approach slab. PGE quantity included in the plans for this work.
2. Precast concrete box culverts shall conform to the design requirements of ASTM CI577.
3. Structure removal includes the abutment footings or 1' below the proposed subgrade per Article 501.04 whichever is greater.

**LEGEND**

-  Removal of Existing Structures
-  Porous Granular Embankment
-  Porous Granular Backfill
-  Approach Slab Removal (see Special Provisions)



**DESIGN SCOUR ELEVATION TABLE**

Design Scour Elevation (ft.)	U.S. Invert	D.S. Invert
	666.25	665.45

**SECTION THRU PRECAST BARREL**

Dimensions at right angle to  $\phi$  of culvert (Looking North).  
 3" nominal space shall be as per Standard Specifications - 2016, Section 540.06.  
 Cost included with pay item for "Precast Concrete Box Culvert 8'x7'".

**WATERWAY INFORMATION TABLE**

Drainage Area = 0.66 sq. mi. Exist. Low Grade Elev. = 679.32 @ Sta. 544+00 Prop. Low Grade Elev. = 679.32 @ Sta. 544+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.
Design	10	194	62	63	673.5	0.0	0.0	673.5	673.5
Base	50	306	73	74	674.1	0.0	0.0	674.1	674.1
Scour Check	100	352	77	78	674.4	0.0	0.0	674.4	674.4
Max. Calc.	200	402	80	81	674.6	0.0	0.0	674.6	674.6
Overtopping	500	466	85	86	674.9	0.0	0.0	674.9	674.9
	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

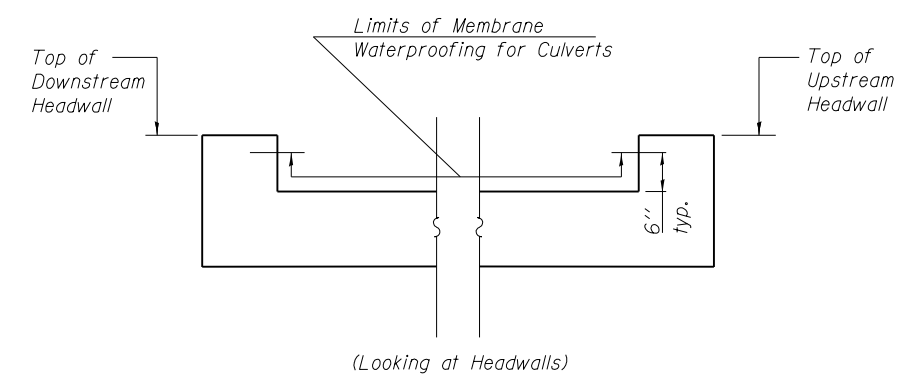
Existing 10-Year Velocity=3.9 ft/sec.  
 Proposed 10-Year Velocity=3.7 ft/sec.

**TOTAL BILL OF MATERIAL**

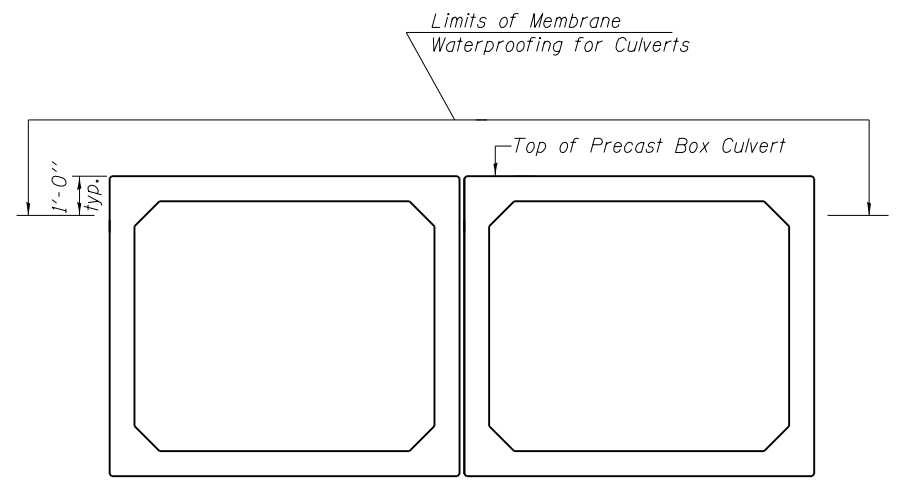
ITEM	UNIT	TOTAL
Stone Riprap, Class A4	Sq Yd	92
Filter Fabric	Sq Yd	92
Porous Granular Embankment	Cu Yd	267
Removal of Existing Structures No. 2	Each	1
Precast Concrete Box Culverts 8'x7'	Foot	104
Box Culvert End Sections, Culvert No. 1	Each	4
Traversable Pipe Grate	Foot	510
*Membrane Waterproofing For Culverts	Sq Yd	133
Name Plates	Each	1
Structure Excavation	Cu Yd	203

\*See Details

**MISCELLANEOUS DETAILS**  
**US ROUTE 52 OVER MISSION CREEK**  
**F.A.P. RT. 607 SEC. (125)BR-1**  
**LASALLE COUNTY**  
**STATION 542+68.00**  
**STRUCTURE NO. 050-2653**



(Looking at Headwalls)



(Looking at Box Sections)

**MEMBRANE WATERPROOFING  
FOR CULVERTS LIMITS**

*Note: Waterproofing Membrane for Culverts shall cover top of the top slab, top one foot of side walls, and 6 inches up inside face of the headwalls.*

**MISCELLANEOUS DETAILS  
US ROUTE 52 OVER MISSION CREEK  
F.A.P. RT. 607 SEC. (125)BR-1  
LASALLE COUNTY  
STATION 542+68.00  
STRUCTURE NO. 050-2653**

FILE NAME =	USER NAME = duncanbd	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>BOX CULVERT DETAILS SN 050-2653</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\IL\084EBIDINTEG\illinois.gov\PIWIDOT\Documents\DOT Offices\District 3\Projects\0366049\Drawings\0366049-shd-boxculvert\0366049-shd-boxculvert.dwg	DESIGNED BY =	CHECKED -	REVISED -			607	(125)BR, BR-1, BR-2	LASALLE	83	45
PLOT SCALE = 8.0000' / in.	CHECKED BY =	REVISIONS				CONTRACT NO. 66D49				
PLOT DATE = 8/3/2016	DATE					SCALE:	SHEET NO. 3 OF 13 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT

**GENERAL NOTES**

Box Culvert End Sections shall be constructed according to the requirements of Section 540 of the Standard Specifications except as modified herein. This work will be measured for payment as each, with each end of each culvert being one each. End sections will be paid for at the contract unit price per each for Box Culvert End Sections of the culvert number specified.

Typical box section dimensions, materials, and reinforcement details for Box Culvert End Sections shall be according to the requirements of 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.

Number of segments shown in Elevation is for example only. Length and number of precast box sections required to construct Box Culvert End Sections shall be determined by the Contractor.

See roadway plans for embankment slope (V:H).

1"  $\phi$  anchor rods for the culvert ties shall conform to the requirements of ASTM F1554, Grade 105. Structural steel for tie plate and restraint angle shall conform to the requirements of Article 1006.04 of the Standard Specifications.

All components of the culvert tie detail shall be galvanized according to the requirements of AASHTO M 111 or M 232 as applicable. 2 1/4" x 2 1/4" x 5/16" plate washers shall be provided under each nut required for the anchor rods. Anchor rods connecting precast sections shall be brought to a snug tight condition followed by an additional 1/2 turn on one of the nuts for anchor rods installed in the walls. Match marks shall be provided on the bolt and nut to verify relative rotation between the bolt and the nut. Holes in the walls for the culvert tie assembly may be drilled using core bits in lieu of using formed holes.

All costs associated with furnishing and installing or constructing the toewall and culvert ties will not be measured for payment but shall be included in the contract unit price for Box Culvert End Sections of the culvert number specified.

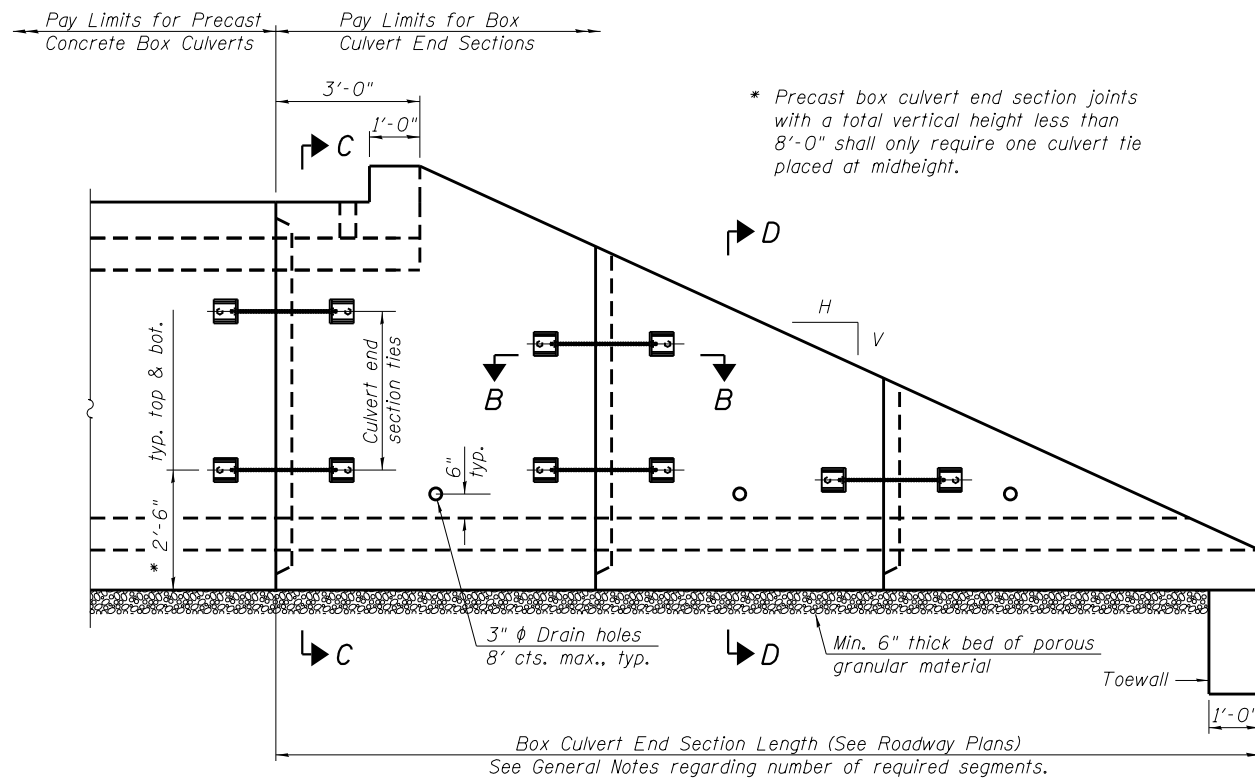
Reinforcement bars designated (E) shall be epoxy coated. Drain holes shall conform to the requirements of Article 503.11 of the Standard Specifications unless noted otherwise.

Nonwoven geotextile fabric shall conform to the requirements of Article 1080.01. The minimum weight of the fabric shall be 6 oz. / sq. yd.

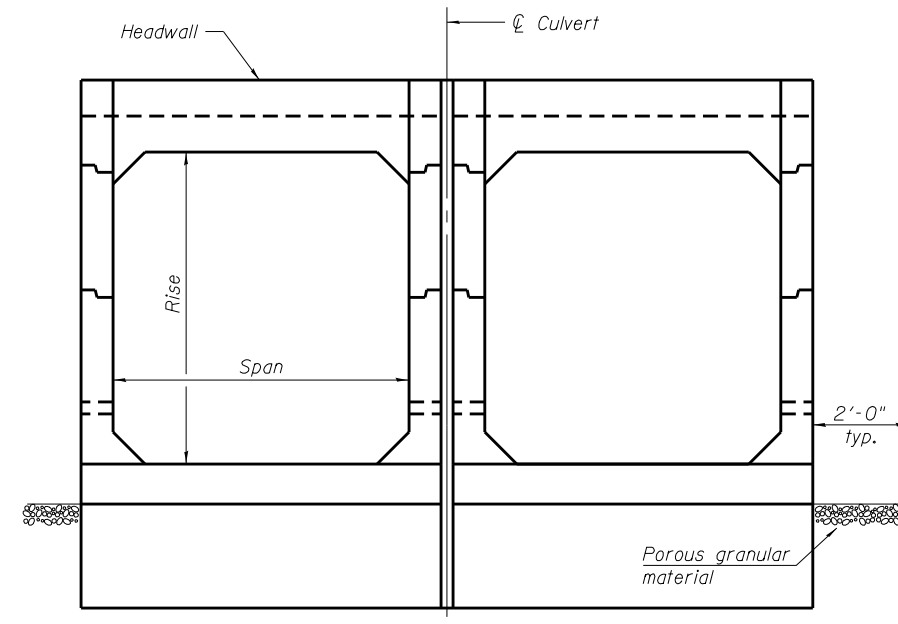
For end sections with traversable pipe grate systems, see grate detail sheet for required modifications.

The 3" nominal space between adjacent end sections shall be filled with Class SI concrete in accordance with Article 540.06 of the Standard Specifications. Cost included with Box Culvert End Sections.

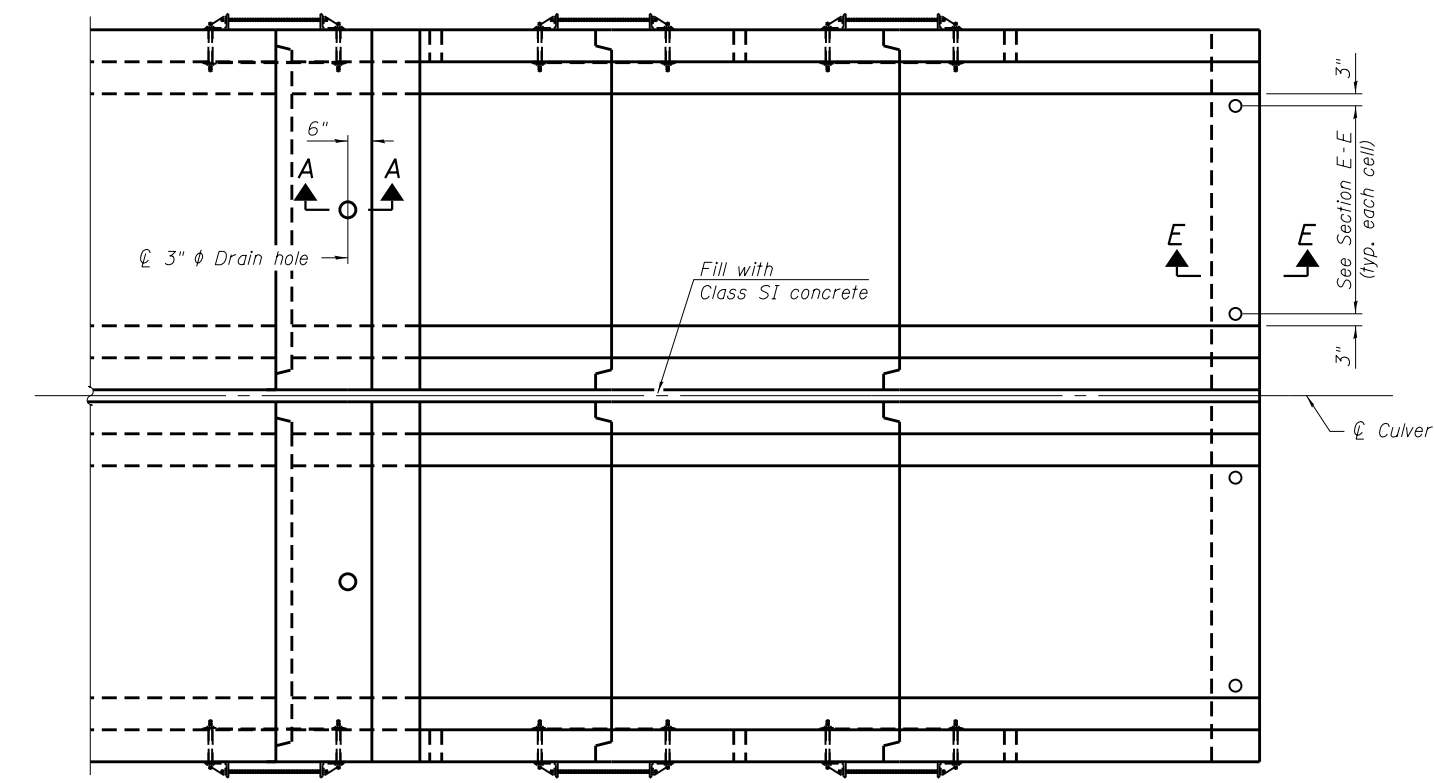
Details for double cell box culvert shown. Details for other multi-cell box culverts similar.



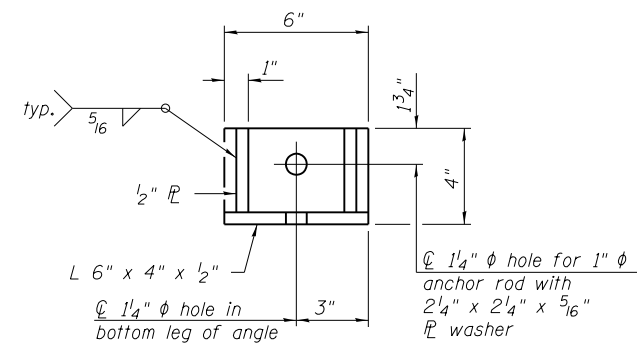
**ELEVATION**



**END VIEW**



**PLAN**



**RESTRAINT ANGLE DETAIL**

12" x 12" x 6" block of CA5, CA7, or CA11 coarse aggregate placed over drain opening. Block of aggregate shall be completely wrapped in nonwoven geotextile fabric.

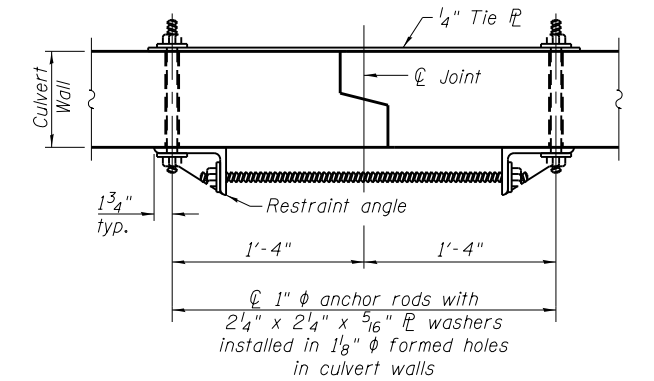
Provide a double layer of 12" x 12" nonwoven geotextile fabric centered over the drain hole. Fabric shall be sealed to the concrete with mastic.

3" phi PVC drain cast with the concrete (Adjust location to clear reinforcement).

1/2" Square foam blockout around PVC drain (to be removed with formwork)

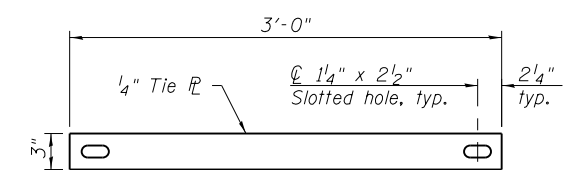
**SECTION A-A**

(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.)



**SECTION B-B**

(Showing end section tie details)



**TIE PLATE DETAIL**

MCB-TES-1

11-5-13

(Sheet 1 of 2)

FILE NAME =	USER NAME =	DESIGNED -	REVISED
		CHECKED -	REVISED
		DRAWN -	REVISED
		CHECKED -	REVISED

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**MULTI-CELL PRECAST BOX CULVERT TAPERED END SECTIONS**

SHEET NO. 4 OF 13 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
607	(125)BR, BR-1, BR-2	LASALLE	83	46
CONTRACT NO. 66D49				

ILLINOIS FED. AID PROJECT

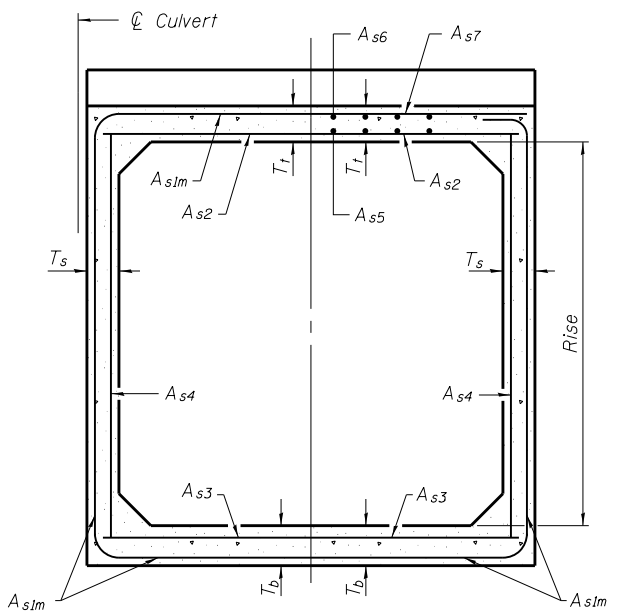
		<b>As<sub>1m</sub> REINFORCEMENT</b>										
		(in. <sup>2</sup> / ft)										
T <sub>s</sub> (in.)	Rise (ft)	2	3	4	5	6	7	8	9	10	11	12
4	0.19	0.17										
5	0.26	0.21	0.18									
6	0.22	0.26	0.23	0.22								
7	0.25	0.33	0.59	0.27	0.28							
8	0.40	0.35	0.43	0.39	0.36	0.34	0.40					
9	0.44	0.39	0.35	0.43	0.40	0.37	0.36	0.48				
10	0.48	0.42	0.38	0.47	0.44	0.41	0.38	0.42	0.56			
11	0.52	0.45	0.54		0.46		0.41		0.50	0.65		
12	0.55	0.49	0.58		0.50		0.45		0.46		0.75	

(As<sub>1m</sub> reinforcement based upon welded wire fabric conforming to AASHTO M 55 or M 221).

**Notes:**  
 Alternate Section D-D is provided to allow the Contractor the option of casting the bottom slab of the end section first followed by construction of the sidewalls using conventional forming methods. Shop drawings that detail slab thickness and reinforcement layout shall be submitted to the Engineer for review and approval when using Alternate Section D-D.  
 The size and spacing of the v<sub>2</sub>(E) bars shall provide a minimum reinforcement area along each face of the walls (in.<sup>2</sup>/ft.) equal to 1.10\*(As<sub>1m</sub>). v<sub>2</sub>(E) bars may consist of #3 thru #6 size reinforcement bars and the longitudinal spacing shall not exceed the lesser of the wall thickness or 8 inches.  
 Bonded construction joints shall be prepared according to Article 503.09 of the Standard Specifications.  
 Sections C-C, D-D, and Headwall Elevation are symmetric about  $\phi$  culvert through 180° rotation.

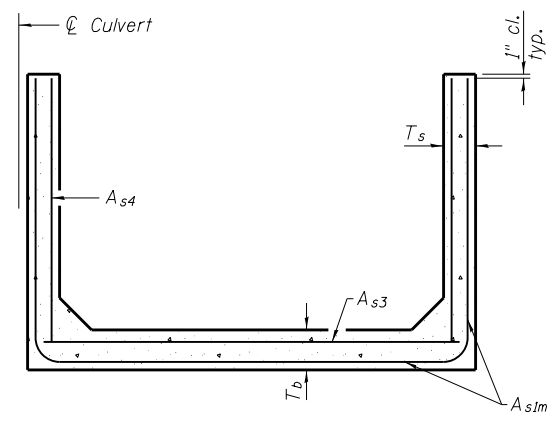
**l<sub>1</sub> DIMENSION**

- #3 bar = 2'-0"
- #4 bar = 2'-8"
- #5 bar = 3'-4"
- #6 bar = 3'-11"

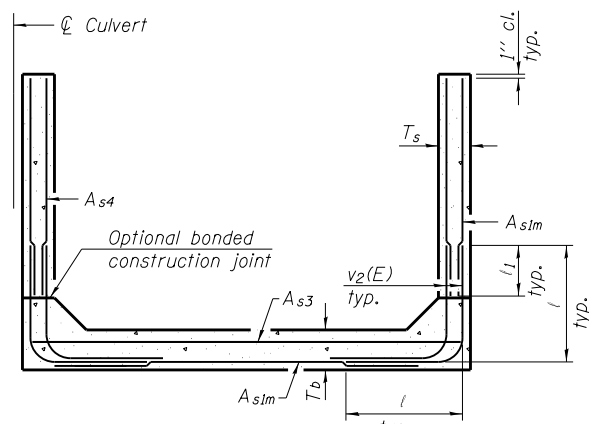


(Design Earth Cover ≥ 2 ft) (Design Earth Cover < 2 ft)

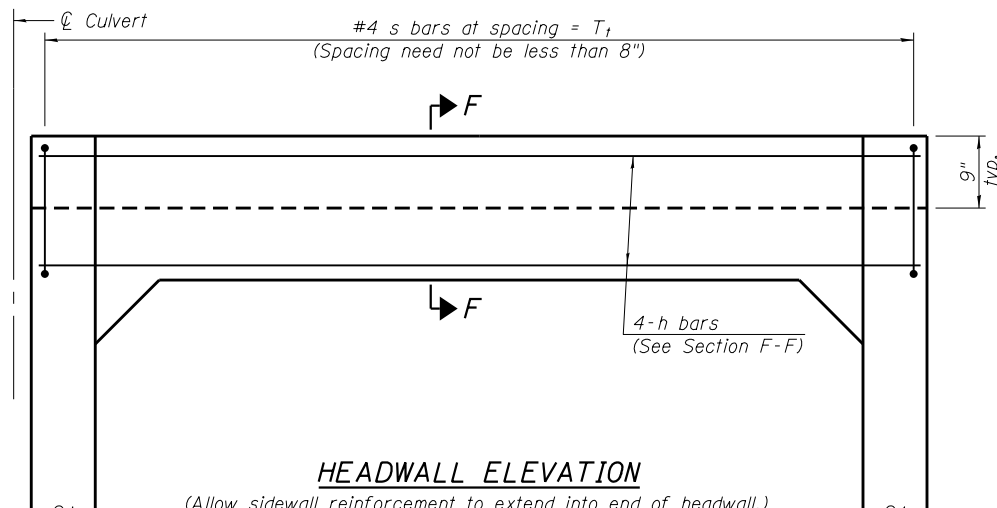
**SECTION C-C**



**SECTION D-D**

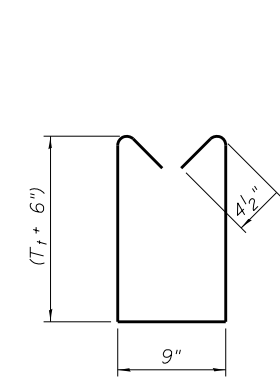


**ALTERNATE SECTION D-D**

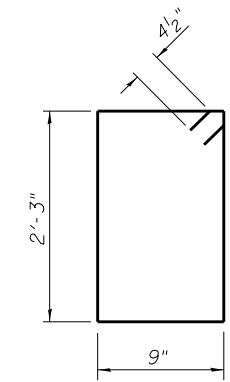


**HEADWALL ELEVATION**

(Allow sidewall reinforcement to extend into end of headwall.)



**BAR s**



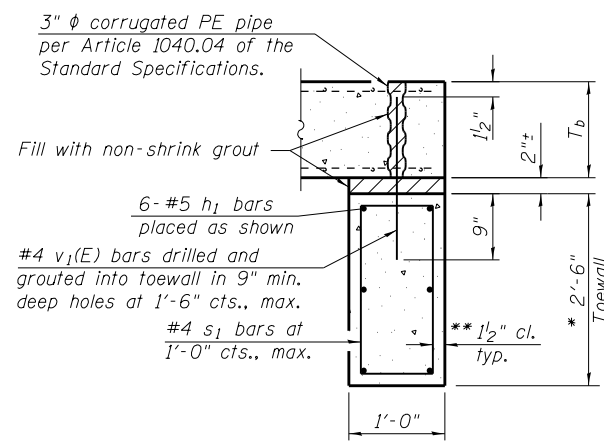
**BAR s1**

**TOEWALL CONSTRUCTION SEQUENCE**

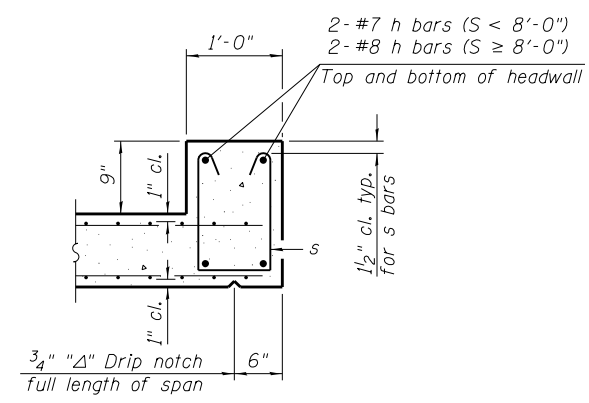
1. Perform excavation and construct toewall.
2. Backfill according to the applicable paragraphs of Article 502.10 of the Standard Specifications and place bedding for precast box culvert end sections.
3. Set precast box culvert end section.
4. Drill and epoxy grout reinforcement in toewall in accordance with Section 584 of the Standard Specifications.
5. Pressure grout voids using non-shrink grout conforming to Section 1024 of the Standard Specifications.

\* The Contractor may furnish a precast or cast-in-place toewall. The Contractor shall be responsible for the strength and stability of the precast toewall during handling. Additional lifting points may be required depending upon the length of the toewall or the Contractor may need to modify the design of the toewall for the proposed handling the method.

\*\* If soil conditions permit, the sides of the toewall may be poured directly against the soil. The clear cover on the sides of the toewall shall be increased to 3" by increasing the thickness of the toewall.



**SECTION E-E**



**SECTION F-F**

MCB-TES-2

11-5-13

(Sheet 2 of 2)

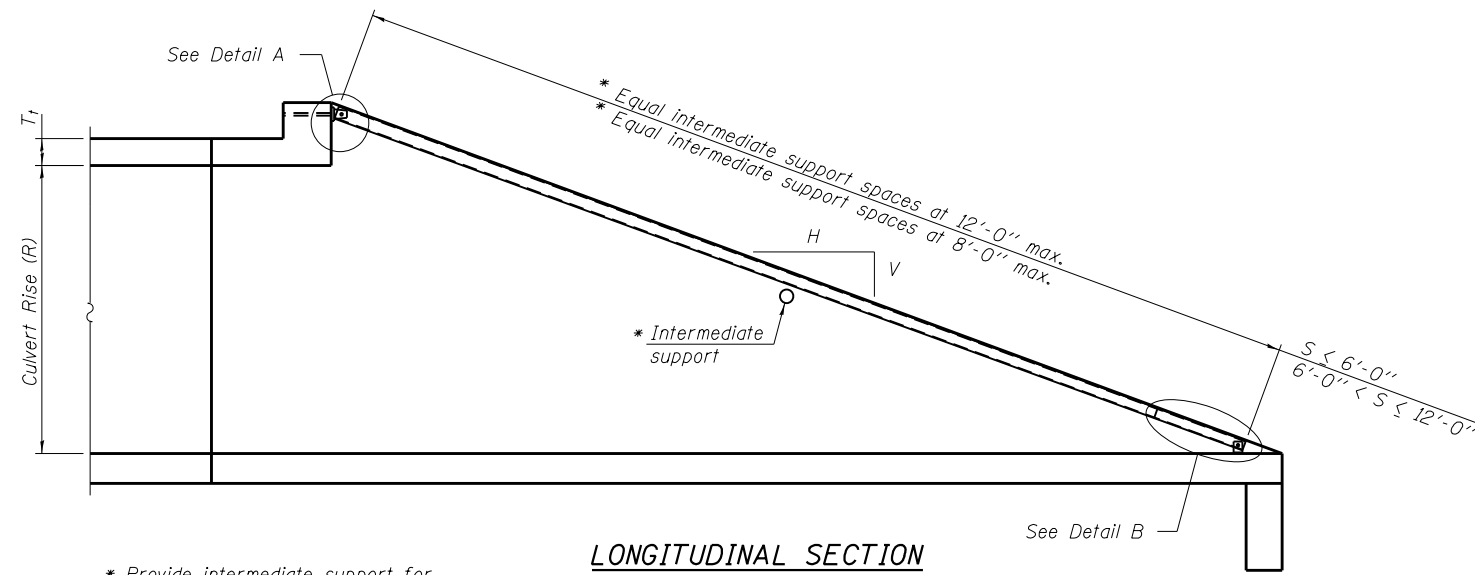
FILE NAME =	USER NAME =	DESIGNED -	REVISD	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>MULTI-CELL PRECAST BOX CULVERT TAPERED END SECTIONS</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
		CHECKED -	REVISD			607	(125)BR, BR-1, BR-2	LASALLE	83	47	
PLOT SCALE =		DRAWN -	REVISD			<b>CONTRACT NO. 66D49</b>					
PLOT DATE =		CHECKED -	REVISD			ILLINOIS FED. AID PROJECT					

SHEET NO. 5 OF 13 SHEETS

**GENERAL NOTES**

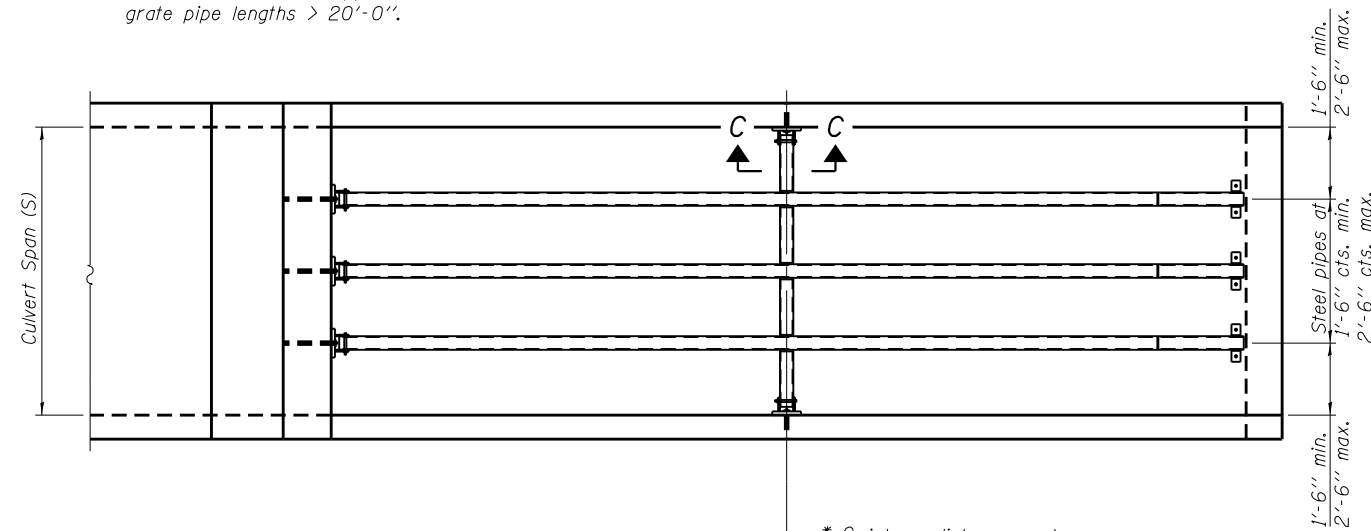
The minimum edge distance from the center of a hole to the free edge of a structural shape or plate shall be 1 1/2" unless noted otherwise.  
 This standard shall only be used on concrete end sections not skewed more than ±15 degrees with roadway.

The Contractor may install the thru bolts using drilling and grouting in lieu of providing a formed hole using steel pipe. Installation shall be in accordance with Article 509.06 using a method that results in the annulus surrounding the bolt being completed filled with adhesive. The method of drilling shall not result in spalled concrete at the exit face. Epoxy grouted thru bolts shall be snug tightened followed by an additional 1/3 turn on the interior nut at final installation. Cost included with Traversable Pipe Grate.

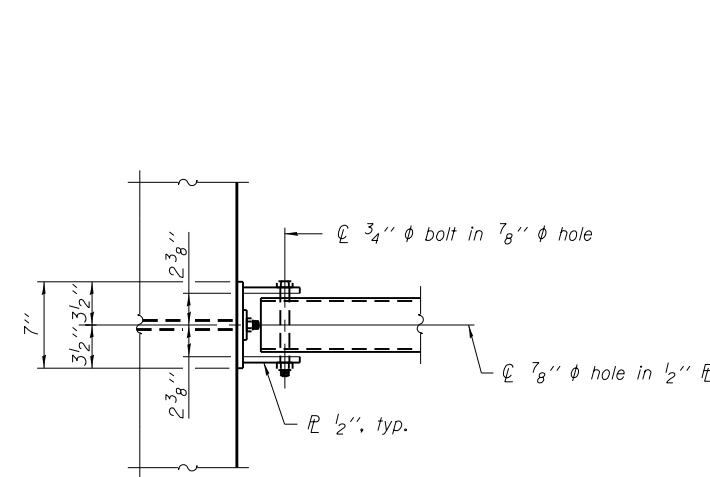


**LONGITUDINAL SECTION**

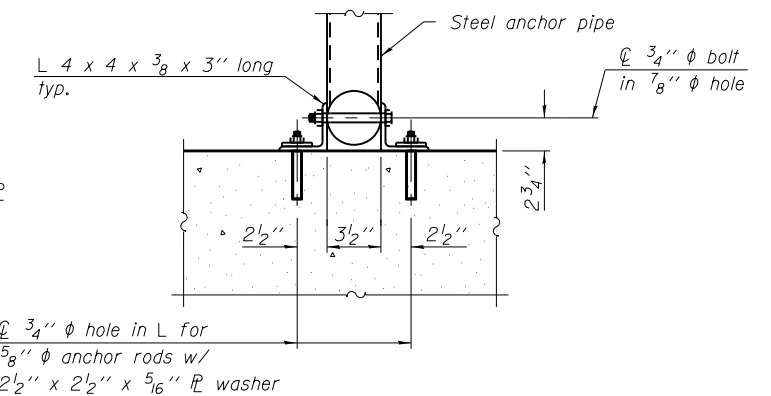
\* Provide intermediate support for grate pipe lengths > 20'-0".



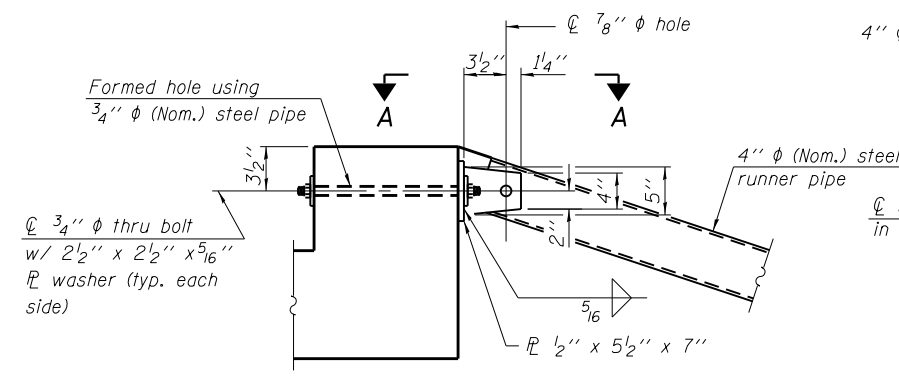
**PLAN VIEW**



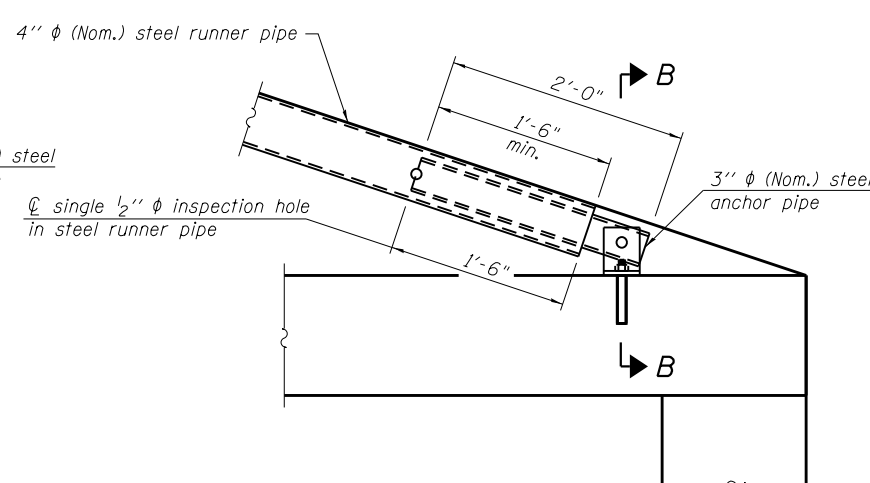
**VIEW A-A**



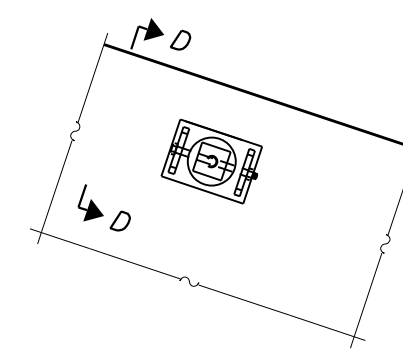
**SECTION B-B**



**DETAIL A**

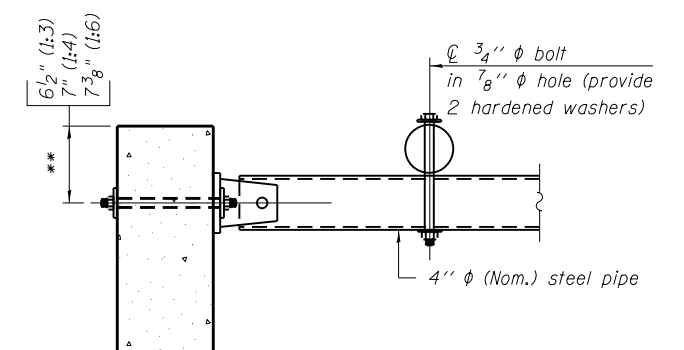


**DETAIL B**



**VIEW C-C**

(See Detail A for dimensions and details not shown.)



**SECTION D-D**

\*\* Measured perpendicular to top of culvert wall. In addition, formed hole shall be located a minimum of 6" measured horizontally from any vertical joints necessary for construction of the culvert end section.

TPGBC-ZS-1

8-21-13

FILE NAME =	USER NAME =	DESIGNED -	REVISED
		CHECKED -	REVISED
		DRAWN -	REVISED
		CHECKED -	REVISED

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TRAVERSABLE PIPE GRATE FOR BOX CULVERTS**

(Sheet 1 of 2)

SHEET NO. 6 OF 13 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
607	(125)BR, BR-1, BR-2	LASALLE	83	48
CONTRACT NO. 66D49				
ILLINOIS FED. AID PROJECT				



**PIPE-GRATE SCHEDULE FOR BOX CULVERT END SECTIONS**

Precast Box Culvert Dimensions			Slope of End Section								
			1:3			1:4			1:6		
S (ft)	R (ft)	T <sub>1</sub> (in)	Main Pipe No. / Length	Int. Support No. / Length	Total Length of Pipe	Main Pipe No. / Length	Int. Support No. / Length	Total Length of Pipe	Main Pipe No. / Length	Int. Support No. / Length	Total Length of Pipe
4	2	7.5	1 @ 8'-10"	N/A	8'-10"	1 @ 11'-7"	N/A	11'-7"	1 @ 17'-2"	N/A	17'-2"
4	2	5	1 @ 8'-2"	N/A	8'-2"	1 @ 10'-8"	N/A	10'-8"	1 @ 15'-11"	N/A	15'-11"
4	3	7.5	1 @ 12'-0"	N/A	12'-0"	1 @ 15'-8"	N/A	15'-8"	1 @ 23'-3"	1 @ 3'-7"	26'-10"
4	3	5	1 @ 11'-4"	N/A	11'-4"	1 @ 14'-10"	N/A	14'-10"	1 @ 22'-0"	1 @ 3'-7"	25'-7"
4	4	7.5	1 @ 15'-2"	N/A	15'-2"	1 @ 19'-10"	1 @ 3'-7"	23'-5"	1 @ 29'-4"	2 @ 3'-7"	36'-6"
4	4	5	1 @ 14'-6"	N/A	14'-6"	1 @ 18'-11"	N/A	18'-11"	1 @ 28'-1"	2 @ 3'-7"	35'-3"
5	2	8	1 @ 8'-11"	N/A	8'-11"	1 @ 11'-9"	N/A	11'-9"	1 @ 17'-5"	N/A	17'-5"
5	2	6	1 @ 8'-5"	N/A	8'-5"	1 @ 11'-1"	N/A	11'-1"	1 @ 16'-5"	N/A	16'-5"
5	3	8	1 @ 12'-1"	N/A	12'-1"	1 @ 15'-10"	N/A	15'-10"	1 @ 23'-6"	1 @ 4'-7"	28'-1"
5	3	6	1 @ 11'-7"	N/A	11'-7"	1 @ 15'-2"	N/A	15'-2"	1 @ 22'-6"	1 @ 4'-7"	27'-1"
5	4	8	1 @ 15'-3"	N/A	15'-3"	1 @ 20'-0"	1 @ 4'-7"	24'-7"	1 @ 29'-7"	2 @ 4'-7"	38'-9"
5	4	6	1 @ 14'-9"	N/A	14'-9"	1 @ 19'-3"	N/A	19'-3"	1 @ 28'-7"	2 @ 4'-7"	37'-9"
5	5	8	1 @ 18'-5"	N/A	18'-5"	1 @ 24'-1"	2 @ 4'-7"	33'-3"	1 @ 35'-8"	3 @ 4'-7"	49'-5"
5	5	6	1 @ 17'-11"	N/A	17'-11"	1 @ 23'-5"	1 @ 4'-7"	28'-0"	1 @ 34'-8"	2 @ 4'-7"	43'-10"
6	2	8	2 @ 8'-11"	N/A	17'-10"	2 @ 11'-9"	N/A	23'-6"	2 @ 17'-5"	N/A	34'-10"
6	2	7	2 @ 8'-8"	N/A	17'-4"	2 @ 11'-5"	N/A	22'-10"	2 @ 16'-11"	N/A	33'-10"
6	3	8	2 @ 12'-1"	N/A	24'-2"	2 @ 15'-10"	N/A	31'-8"	2 @ 23'-6"	1 @ 5'-7"	52'-7"
6	3	7	2 @ 11'-10"	N/A	23'-8"	2 @ 15'-6"	N/A	31'-0"	2 @ 23'-0"	1 @ 5'-7"	51'-7"
6	4	8	2 @ 15'-3"	N/A	30'-6"	2 @ 20'-0"	1 @ 5'-7"	45'-7"	2 @ 29'-7"	2 @ 5'-7"	70'-4"
6	4	7	2 @ 15'-0"	N/A	30'-0"	2 @ 19'-8"	1 @ 5'-7"	44'-11"	2 @ 29'-1"	2 @ 5'-7"	69'-4"
6	5	8	2 @ 18'-5"	N/A	36'-10"	2 @ 24'-1"	2 @ 5'-7"	59'-4"	2 @ 35'-8"	3 @ 5'-7"	88'-1"
6	5	7	2 @ 18'-2"	N/A	36'-4"	2 @ 23'-9"	2 @ 5'-7"	58'-8"	2 @ 35'-2"	2 @ 5'-7"	81'-6"
6	6	8	2 @ 21'-7"	1 @ 5'-7"	48'-9"	2 @ 28'-3"	2 @ 5'-7"	67'-8"	2 @ 41'-9"	3 @ 5'-7"	100'-3"
6	6	7	2 @ 21'-4"	1 @ 5'-7"	48'-3"	2 @ 27'-11"	2 @ 5'-7"	67'-0"	2 @ 41'-3"	3 @ 5'-7"	99'-3"
7	2	8	2 @ 8'-11"	N/A	17'-10"	2 @ 11'-9"	N/A	23'-6"	2 @ 17'-5"	N/A	34'-10"
7	3	8	2 @ 12'-1"	N/A	24'-2"	2 @ 15'-10"	N/A	31'-8"	2 @ 23'-6"	2 @ 6'-7"	60'-2"
7	4	8	2 @ 15'-3"	N/A	30'-6"	2 @ 20'-0"	2 @ 6'-7"	53'-2"	2 @ 29'-7"	3 @ 6'-7"	78'-11"
7	5	8	2 @ 18'-5"	N/A	36'-10"	2 @ 24'-1"	3 @ 6'-7"	67'-11"	2 @ 35'-8"	4 @ 6'-7"	97'-8"
7	6	8	2 @ 21'-7"	2 @ 6'-7"	56'-4"	2 @ 28'-3"	3 @ 6'-7"	76'-3"	2 @ 41'-9"	5 @ 6'-7"	116'-5"
7	7	8	2 @ 24'-9"	3 @ 6'-7"	69'-3"	2 @ 32'-4"	4 @ 6'-7"	91'-0"	2 @ 47'-10"	6 @ 6'-7"	135'-2"
8	2	8	3 @ 8'-11"	N/A	26'-9"	3 @ 11'-9"	N/A	35'-3"	3 @ 17'-5"	N/A	52'-3"
8	3	8	3 @ 12'-1"	N/A	36'-3"	3 @ 15'-10"	N/A	47'-6"	3 @ 23'-6"	2 @ 7'-7"	85'-8"
8	4	8	3 @ 15'-3"	N/A	45'-9"	3 @ 20'-0"	2 @ 7'-7"	75'-2"	3 @ 29'-7"	3 @ 7'-7"	111'-6"
8	5	8	3 @ 18'-5"	N/A	55'-3"	3 @ 24'-1"	3 @ 7'-7"	95'-0"	3 @ 35'-8"	4 @ 7'-7"	137'-4"
8	6	8	3 @ 21'-7"	2 @ 7'-7"	79'-11"	3 @ 28'-3"	3 @ 7'-7"	107'-6"	3 @ 41'-9"	5 @ 7'-7"	163'-2"
8	7	8	3 @ 24'-9"	3 @ 7'-7"	97'-0"	3 @ 32'-4"	4 @ 7'-7"	127'-4"	3 @ 47'-10"	6 @ 7'-7"	189'-0"
8	8	8	3 @ 27'-11"	3 @ 7'-7"	106'-6"	3 @ 36'-6"	4 @ 7'-7"	139'-10"	3 @ 53'-11"	6 @ 7'-7"	207'-3"
9	2	9	3 @ 9'-3"	N/A	27'-9"	3 @ 12'-1"	N/A	36'-3"	3 @ 17'-11"	N/A	53'-9"
9	3	9	3 @ 12'-4"	N/A	37'-0"	3 @ 16'-2"	N/A	48'-6"	3 @ 24'-0"	3 @ 8'-7"	97'-9"
9	4	9	3 @ 15'-6"	N/A	46'-6"	3 @ 20'-4"	2 @ 8'-7"	78'-2"	3 @ 30'-1"	3 @ 8'-7"	116'-0"
9	5	9	3 @ 18'-8"	N/A	56'-0"	3 @ 24'-5"	3 @ 8'-7"	99'-0"	3 @ 36'-2"	4 @ 8'-7"	142'-10"
9	6	9	3 @ 21'-10"	2 @ 8'-7"	82'-8"	3 @ 28'-7"	3 @ 8'-7"	111'-6"	3 @ 42'-3"	5 @ 8'-7"	169'-8"
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9	9	9	3 @ 31'-4"	3 @ 8'-7"	119'-9"	3 @ 40'-11"	5 @ 8'-7"	165'-8"	3 @ 60'-6"	7 @ 8'-7"	241'-7"
10	2	10	3 @ 9'-6"	N/A	28'-6"	3 @ 12'-5"	N/A	37'-3"	3 @ 18'-5"	N/A	55'-3"
10	3	10	3 @ 12'-8"	N/A	38'-0"	3 @ 16'-6"	N/A	49'-6"	3 @ 24'-6"	3 @ 9'-7"	102'-3"
10	4	10	3 @ 15'-10"	N/A	47'-6"	3 @ 20'-8"	2 @ 9'-7"	81'-2"	3 @ 30'-7"	3 @ 9'-7"	120'-6"
10	5	10	3 @ 19'-0"	N/A	57'-0"	3 @ 24'-9"	3 @ 9'-7"	103'-0"	3 @ 36'-8"	4 @ 9'-7"	148'-4"
10	6	10	3 @ 22'-1"	2 @ 9'-7"	85'-5"	3 @ 28'-11"	3 @ 9'-7"	115'-6"	3 @ 42'-9"	5 @ 9'-7"	176'-2"
10	7	10	3 @ 25'-3"	3 @ 9'-7"	104'-6"	3 @ 33'-0"	4 @ 9'-7"	137'-4"	3 @ 48'-10"	6 @ 9'-7"	204'-0"
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10	9	10	3 @ 31'-7"	4 @ 9'-7"	133'-1"	3 @ 41'-3"	5 @ 9'-7"	171'-8"	3 @ 61'-0"	7 @ 9'-7"	250'-1"
10	10	10	3 @ 34'-9"	4 @ 9'-7"	142'-7"	3 @ 45'-5"	5 @ 9'-7"	184'-2"	3 @ 67'-1"	8 @ 9'-7"	277'-11"
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11	8	11	4 @ 28'-9"	3 @ 10'-7"	146'-9"	4 @ 37'-6"	4 @ 10'-7"	192'-4"	4 @ 55'-5"	6 @ 10'-7"	285'-2"
11	10	11	4 @ 35'-0"	4 @ 10'-7"	182'-4"	4 @ 45'-9"	5 @ 10'-7"	235'-11"	4 @ 67'-7"	8 @ 10'-7"	355'-0"
11	11	11	4 @ 38'-2"	4 @ 10'-7"	195'-0"	4 @ 49'-10"	6 @ 10'-7"	262'-10"	4 @ 73'-8"	9 @ 10'-7"	389'-11"
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12	10	12	4 @ 35'-4"	4 @ 11'-7"	187'-8"	4 @ 46'-1"	5 @ 11'-7"	242'-3"	4 @ 68'-1"	8 @ 11'-7"	365'-0"
12	12	12	4 @ 41'-8"	5 @ 11'-7"	224'-7"	4 @ 54'-4"	6 @ 11'-7"	286'-10"	4 @ 80'-3"	10 @ 11'-7"	436'-10"

TPGBC-ZS-2

8-21-13

FILE NAME  
D366049-sht-boxculvert0151.dgn  
  
PLOT DATE  
8/3/2016

DESIGNED	-	REVISED	-
CHECKED	-	REVISED	-
DRAWN	-	REVISED	-
CHECKED	-	REVISED	-

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TRAVERSABLE PIPE GRATE FOR BOX CULVERTS**  
(Sheet 2 of 2)

SHEET NO. 7 OF 13 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
607	(125)BR, BR-1, BR-2	LASALLE	83	49
CONTRACT NO. 66D49				
ILLINOIS FED. AID PROJECT				

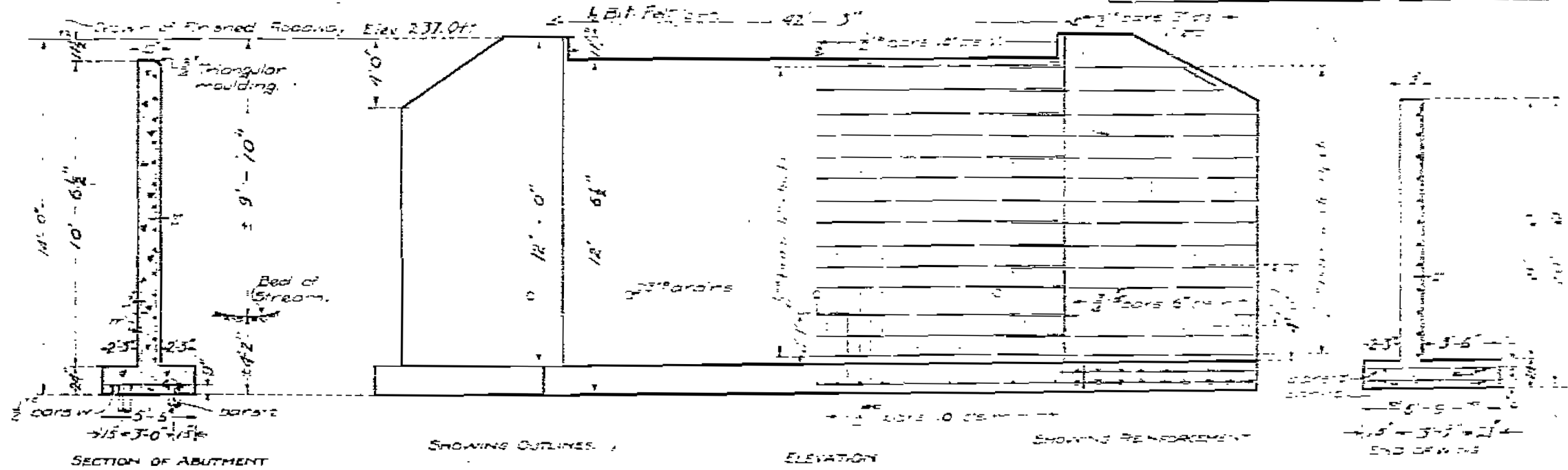


B.M. S. & W. F.P.L. STA 344+79 ELEV. 236.02  
 EXISTING STRUCTURE TO BE REMOVED  
 BY BRIDGE CONTRACTOR (20' beam span)

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

R.C. ABUTMENTS FOR SLAB BRIDGE  
 HEIGHT OVER ALL 14 FEET

PROJECT NO.	69	SEC	125-B	COUNTY	LASALLE	SHEET NO.	43
TOTAL SHEETS 100							

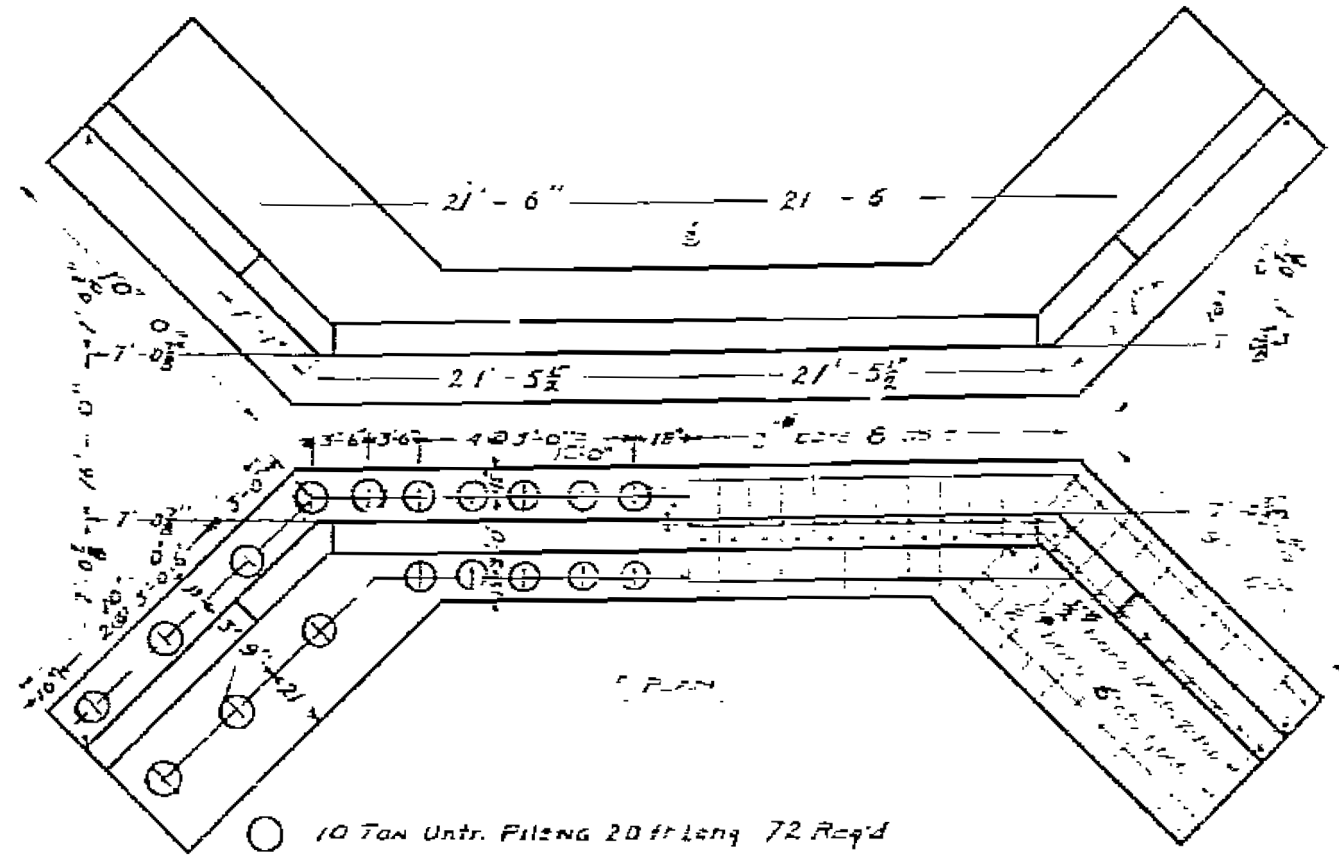


Class A concrete shall be used throughout.  
 All reinforcing steel shall be securely wired in place before concrete is poured.

DETAIL NOTCH

COMPUTED	11/20/11
CHECKED	2/2/2012
DRAWN	2/2/2012
CHECKED	11/2/12
APPROVED	[Signature]
CHECKED	2/2/12

5-15-13  
 [Signature]  
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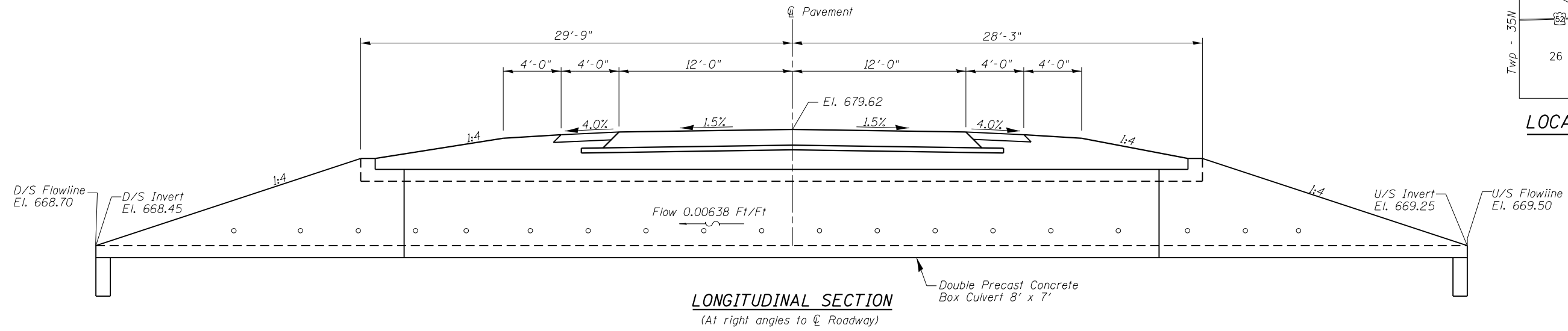
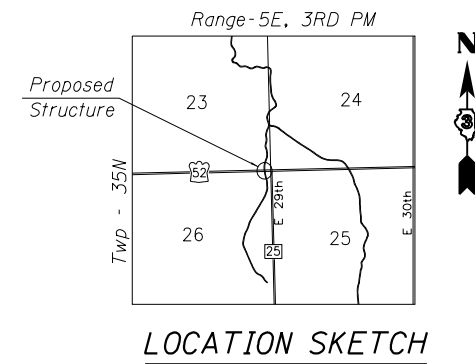
NO.	DESCRIPTION	AMOUNT	UNIT	PRICE	TOTAL
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20					
44					
9					
32					
85					
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69 SEC 125-B  
 LASALLE COUNTY  
 STA. 542+65

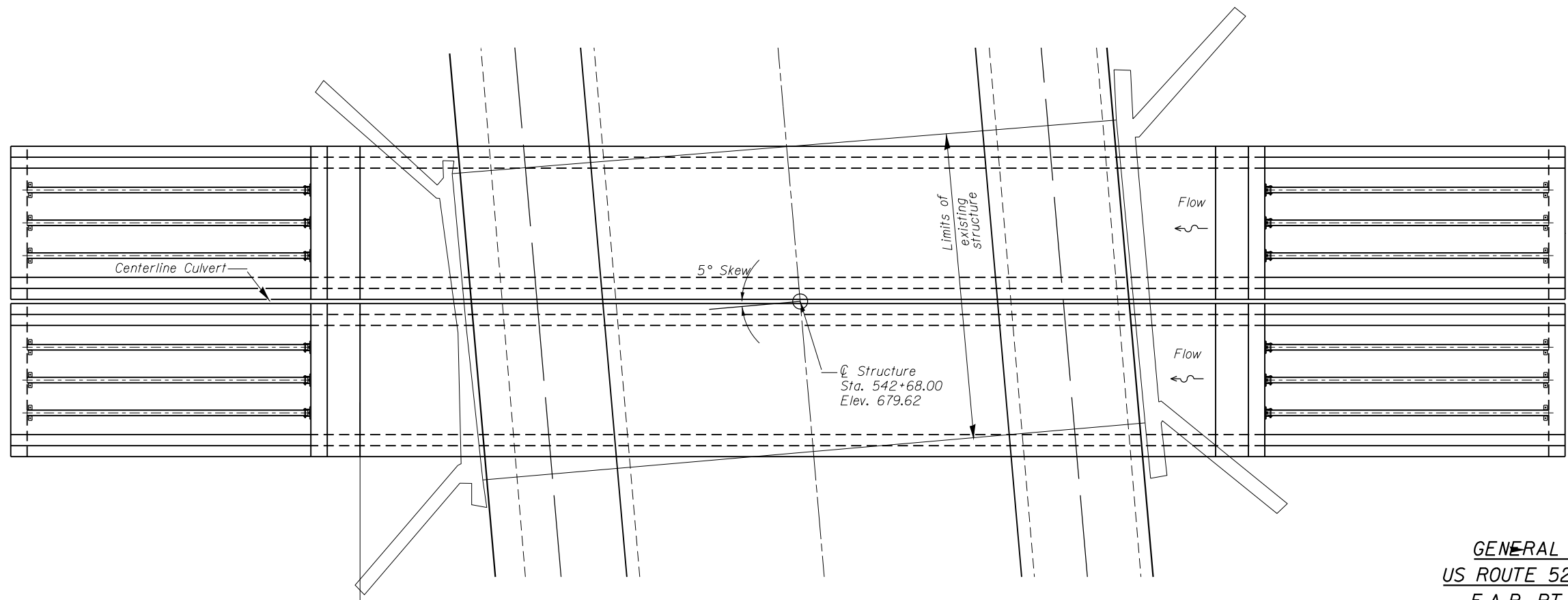




Exhibit



Temporary work pad approximately 72 sq. yds. of clean coarse aggregates, to be removed upon completion of project.



Temporary work pad approximately 72 sq. yds. of clean coarse aggregates, to be removed upon completion of project.

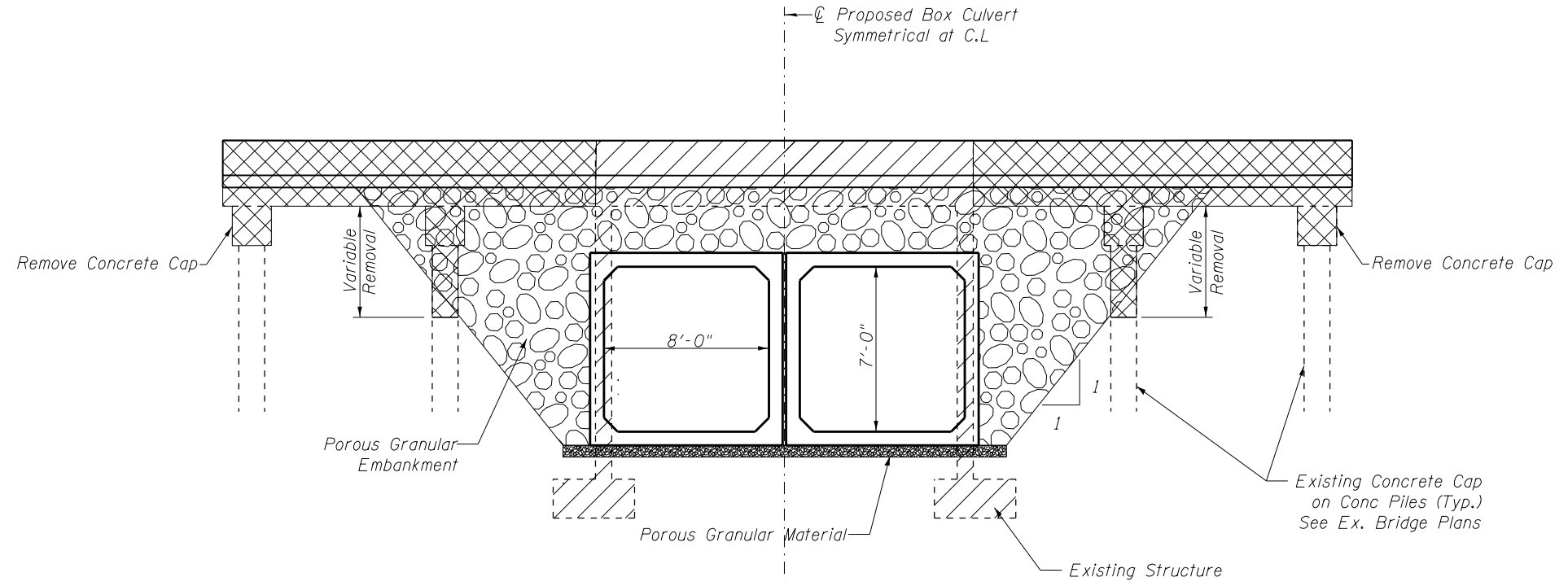
**PLAN**

**GENERAL PLAN & ELEVATION**  
**US ROUTE 52 OVER MISSION CREEK**  
**F.A.P. RT. 607 SEC. (125)BR-1**  
**LASALLE COUNTY**  
**STATION 542+68.00**  
**STRUCTURE NO. 050-015(EXIST)**  
**STRUCTURE NO. 050-2653(PROP)**

Not to Scale

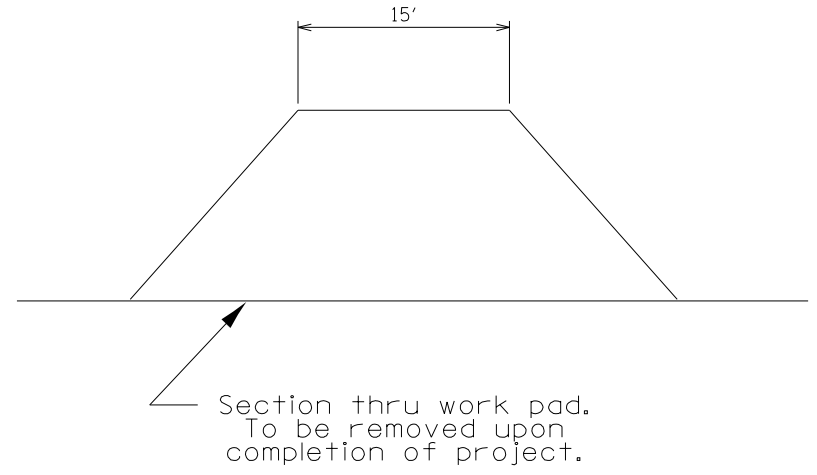
FILE NAME =	USER NAME = duncanbd	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>404 PERMIT EXHIBITS SN 050-2653</b>			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\IL\084EBIDINTEG\illinois.gov\PIDOT\Documents\IDOT Offices\District 3\Projects\0366049\Drawings\0366049-sht-boxculvert.dwg		DRAWN -	REVISED -					607	(125)BR, BR-1, BR-2	LASALLE	83	54
PLOT SCALE = 8.0000' / in.		CHECKED -	REVISED -					CONTRACT NO. 66D49				
PLOT DATE = 8/3/2016		DATE -	REVISED -					ILLINOIS FED. AID PROJECT				
				SCALE:	SHEET NO. 12 OF 13 SHEETS	STA.	TO STA.					

Exhibit



**SECTION THRU PRECAST BARREL**

Dimensions at right angle to  $\phi$  of culvert (Looking North).  
 3" nominal space shall be as per Standard Specifications - 2016, Section 540.06.  
 Cost included with pay item for "Precast Concrete Box Culvert 8'x7'".



Not to Scale

**MISCELLANEOUS DETAILS**  
**US ROUTE 52 OVER MISSION CREEK**  
**F.A.P. RT. 607 SEC. (125)BR-1**  
**LASALLE COUNTY**  
**STATION 542+68.00**  
**STRUCTURE NO. 050-015(EXIST)**  
**STRUCTURE NO. 050-2653(PROP)**

FILE NAME =	USER NAME = duncanbd	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>404 PERMIT EXHIBITS SN 050-2653</b>			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
p:\11\084EBIDINTEG.illinois.gov\PIWIDOT\Documents\IDOT Offices\District 3\Projects\0366049\Drawings\0366049-shr-boxculvert\0366049-shr-boxculvert.dwg		DRAWN -	REVISED -		607	(125)BR, BR-1, BR-2	LASALLE	83	55			
		CHECKED -	REVISED -		CONTRACT NO. 66D49							
		DATE -	REVISED -		SCALE:	SHEET NO. 13 OF 13 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT			







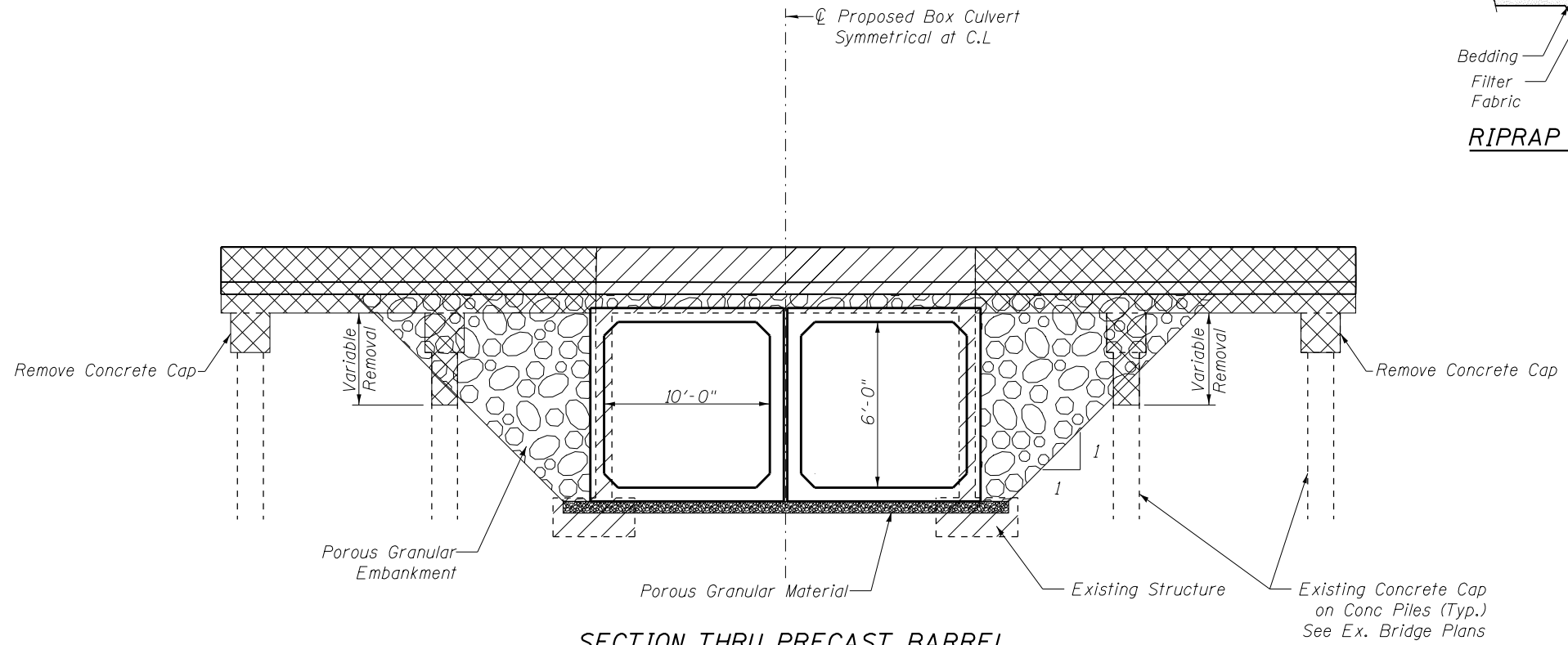
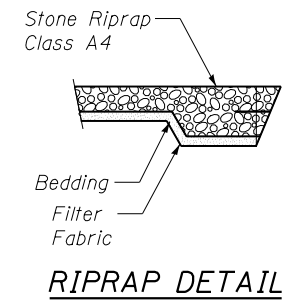


**GENERAL NOTES**

1. Porous Granular Embankment shall be used in the voids created by the removal of the abutment footings and the removal of the concrete caps & concrete pilings associated with the existing approach slab. PGE quantity included in the plans for this work.
2. Precast concrete box culverts shall conform to the design requirements of ASTM C1577.
3. Structure removal includes the abutment footings or 1' below the proposed subgrade per Article 501.04 whichever is greater.

**LEGEND**

-  Removal of Existing Structures
-  Porous Granular Embankment
-  Porous Granular Backfill
-  Approach Slab Removal (see Special Provisions)



**SECTION THRU PRECAST BARREL**

Dimensions at right angle to C of culvert (Looking North).  
 3" nominal space shall be as per Standard Specifications - 2016, Section 540.06.  
 Cost included with pay item for "Precast Concrete Box Culvert 10'x6'".

**WATERWAY INFORMATION TABLE**

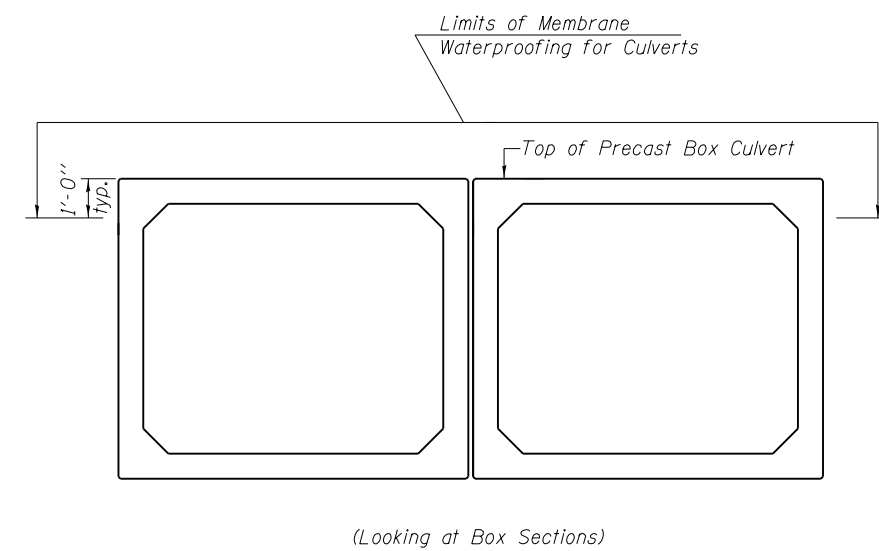
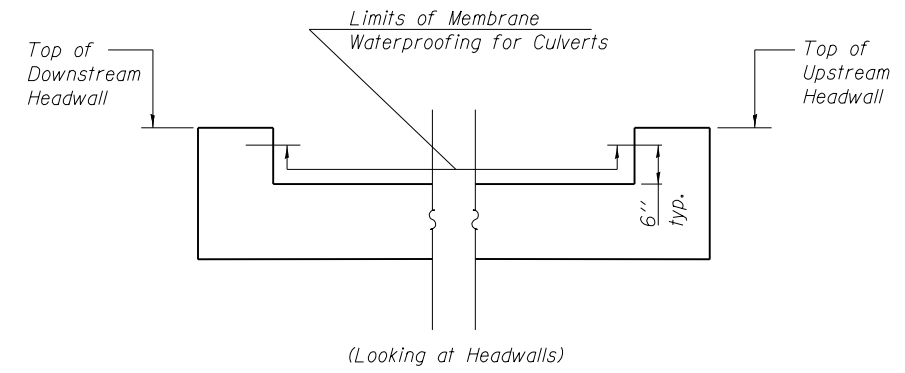
Drainage Area = 1.44 sq. mi. Exist. Low Grade Elev. = 678.51 @ Sta. 573+00 Prop. Low Grade Elev. = 678.51 @ Sta. 573+00									
Flood	Freq. Yr.	Q C.F.S.	Opening Sq. Ft.		Nat. H.W.E.	Head - Ft.		Headwater El.	
			Exist.	Prop.		Exist.	Prop.	Exist.	Prop.
Design	50	391	101	102	675.8	0.4	0.2	676.2	676.0
Base	100	446	104	104	676.0	0.5	0.3	676.5	676.3
Scour Check	200	504	106	107	676.1	0.7	0.5	676.8	676.6
Max. Calc.	500	580	109	109	676.2	1.1	0.7	677.4	676.9
Overtopping	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Existing 10-Year Velocity=2.7 ft/sec.  
 Proposed 10-Year Velocity=2.8 ft/sec.

**DESIGN SCOUR ELEVATION TABLE**

Design Scour Elevation (ft.)	U.S. Invert	D.S. Invert
	667.75	667.25

**MISCELLANEOUS DETAILS**  
**US ROUTE 52 OVER MISSION CREEK**  
**F.A.P. RT. 607 SEC. (125)BR-2**  
**LASALLE COUNTY**  
**STATION 575+18.82**  
**STRUCTURE NO. 050-2059**



**MEMBRANE WATERPROOFING  
FOR CULVERTS LIMITS**

*Note: Waterproofing Membrane for Culverts shall cover top of the top slab, top one foot of side walls, and 6 inches up inside face of the headwalls.*

**MISCELLANEOUS DETAILS**  
**US ROUTE 52 OVER MISSION CREEK**  
**F.A.P. RT. 607 SEC. (125)BR-2**  
**LASALLE COUNTY**  
**STATION 575+18.82**  
**STRUCTURE NO. 050-2059**

FILE NAME =	USER NAME = duncanbd	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>BOX CULVERT DETAILS SN 050-2059</b>			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
p:\11\084EBIDINTEG.illinois.gov\PI\DOT\Documents\DOT Offices\District 3\Projects\0366049\Drawings\0366049-shd-boxculvert.dgn		DRAWN -	REVISION -		SCALE:	SHEET NO. 3 OF 13 SHEETS	STA.	TO STA.	607	(125)BR, BR-1, BR-2	LASALLE	83	58
		CHECKED -	REVISED -					<b>CONTRACT NO. 66D49</b>					
		DATE -	REVISED -					ILLINOIS FED. AID PROJECT					

**GENERAL NOTES**

Box Culvert End Sections shall be constructed according to the requirements of Section 540 of the Standard Specifications except as modified herein. This work will be measured for payment as each, with each end of each culvert being one each. End sections will be paid for at the contract unit price per each for Box Culvert End Sections of the culvert number specified.

Typical box section dimensions, materials, and reinforcement details for Box Culvert End Sections shall be according to the requirements of 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.

Number of segments shown in Elevation is for example only. Length and number of precast box sections required to construct Box Culvert End Sections shall be determined by the Contractor.

See roadway plans for embankment slope (V:H).

1"  $\phi$  anchor rods for the culvert ties shall conform to the requirements of ASTM F1554, Grade 105. Structural steel for tie plate and restraint angle shall conform to the requirements of Article 1006.04 of the Standard Specifications.

All components of the culvert tie detail shall be galvanized according to the requirements of AASHTO M 111 or M 232 as applicable. 2 1/4" x 2 1/4" x 5/16" plate washers shall be provided under each nut required for the anchor rods. Anchor rods connecting precast sections shall be brought to a snug tight condition followed by an additional 1/2 turn on one of the nuts for anchor rods installed in the walls. Match marks shall be provided on the bolt and nut to verify relative rotation between the bolt and the nut. Holes in the walls for the culvert tie assembly may be drilled using core bits in lieu of using formed holes.

All costs associated with furnishing and installing or constructing the toewall and culvert ties will not be measured for payment but shall be included in the contract unit price for Box Culvert End Sections of the culvert number specified.

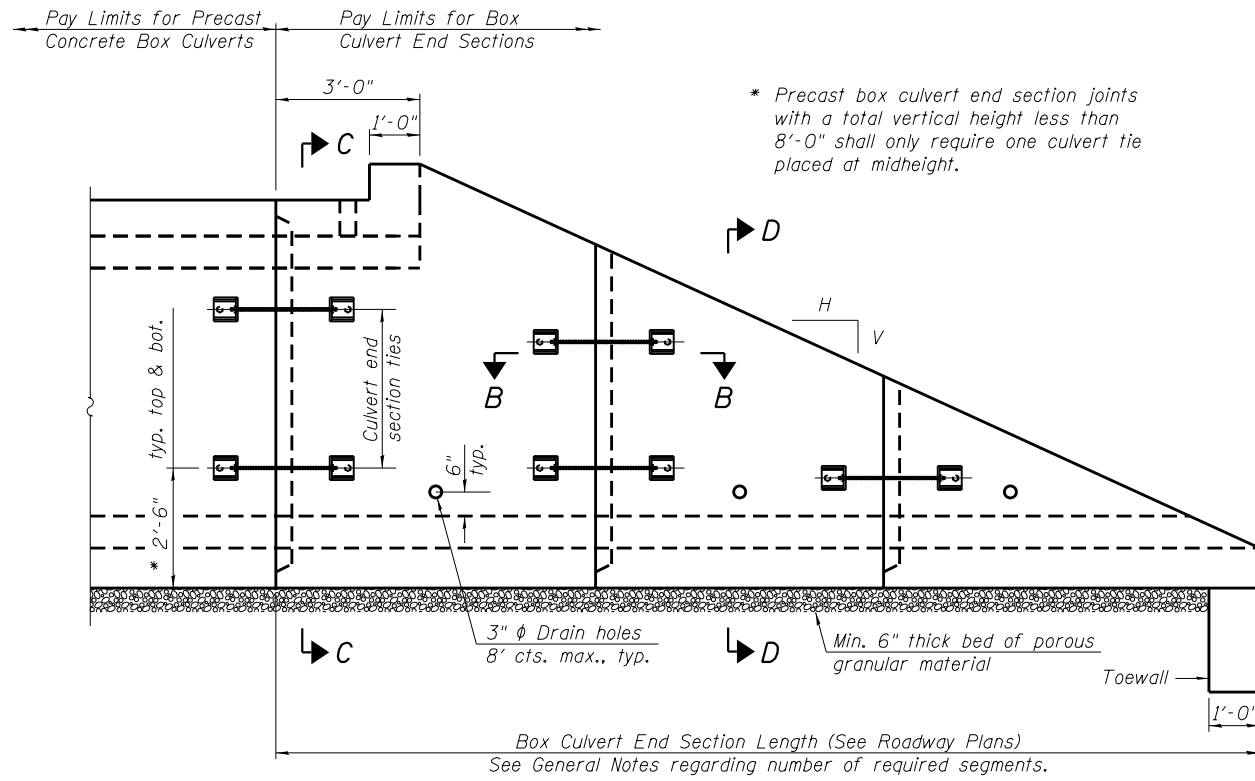
Reinforcement bars designated (E) shall be epoxy coated. Drain holes shall conform to the requirements of Article 503.11 of the Standard Specifications unless noted otherwise.

Nonwoven geotextile fabric shall conform to the requirements of Article 1080.01. The minimum weight of the fabric shall be 6 oz. / sq. yd.

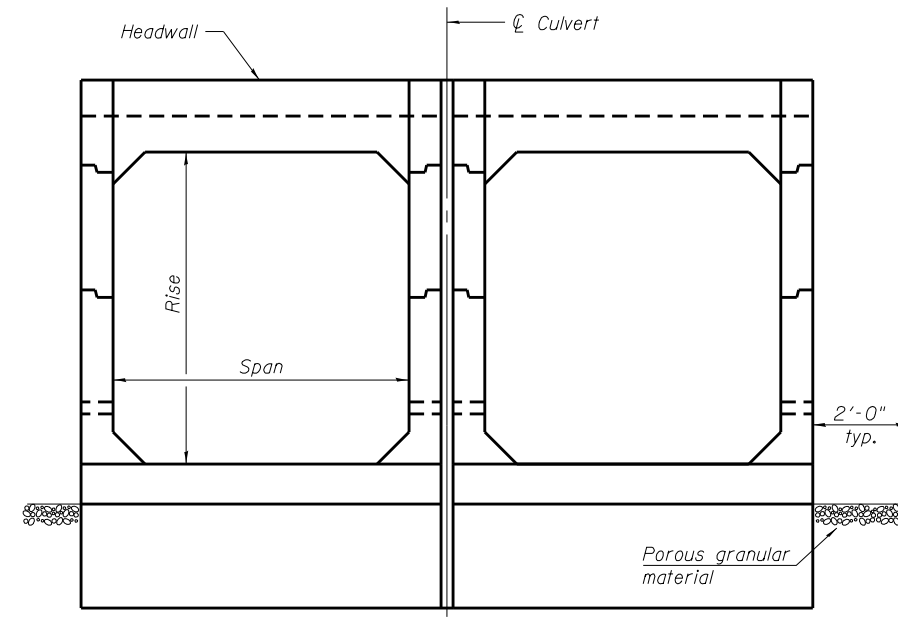
For end sections with traversable pipe grate systems, see grate detail sheet for required modifications.

The 3" nominal space between adjacent end sections shall be filled with Class SI concrete in accordance with Article 540.06 of the Standard Specifications. Cost included with Box Culvert End Sections.

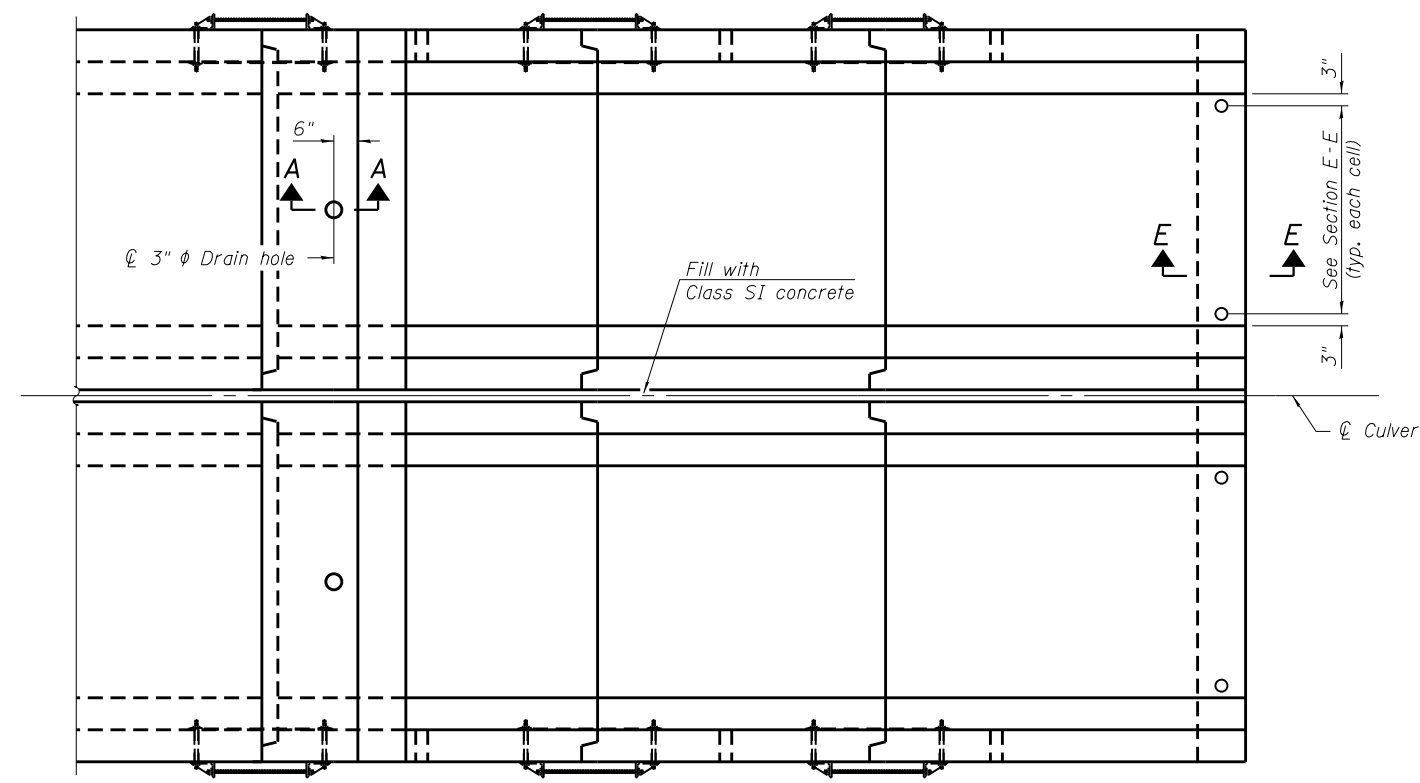
Details for double cell box culvert shown. Details for other multi-cell box culverts similar.



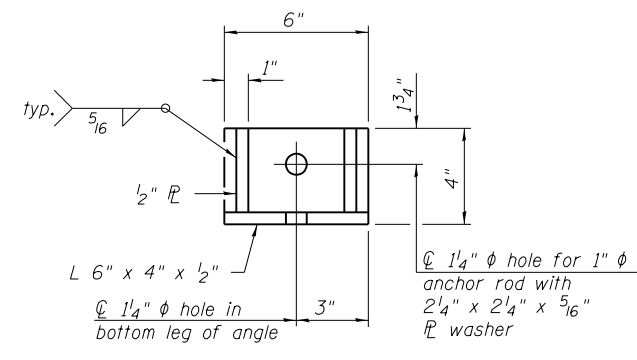
**ELEVATION**



**END VIEW**



**PLAN**



**RESTRAINT ANGLE DETAIL**

12" x 12" x 6" block of CA5, CA7, or CA11 coarse aggregate placed over drain opening. Block of aggregate shall be completely wrapped in nonwoven geotextile fabric.

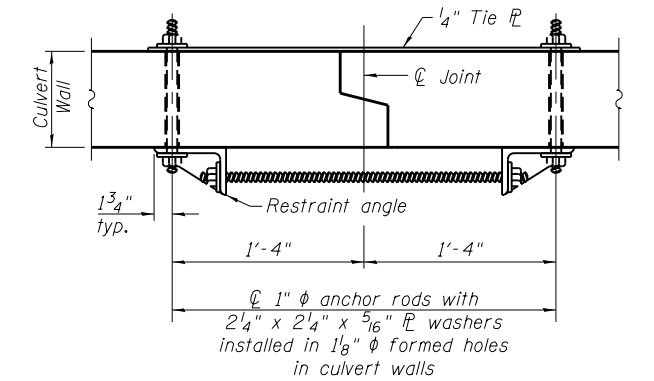
Provide a double layer of 12" x 12" nonwoven geotextile fabric centered over the drain hole. Fabric shall be sealed to the concrete with mastic.

3" phi PVC drain cast with the concrete (Adjust location to clear reinforcement).

1/2" Square foam blockout around PVC drain (to be removed with formwork)

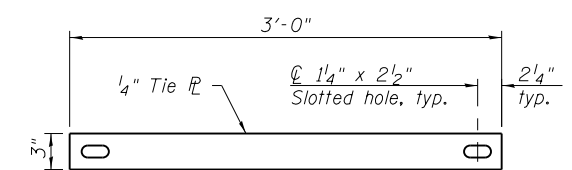
**SECTION A-A**

(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.)



**SECTION B-B**

(Showing end section tie details)



**TIE PLATE DETAIL**

MCB-TES-1

11-5-13

(Sheet 1 of 2)

FILE NAME =	USER NAME =	DESIGNED -	REVISED
		CHECKED -	REVISED
		DRAWN -	REVISED
		CHECKED -	REVISED

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**MULTI-CELL PRECAST BOX CULVERT TAPERED END SECTIONS**

SHEET NO. 4 OF 13 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
607	(125)BR, BR-1, BR-2	LASALLE	83	59
CONTRACT NO. 66D49				

ILLINOIS FED. AID PROJECT

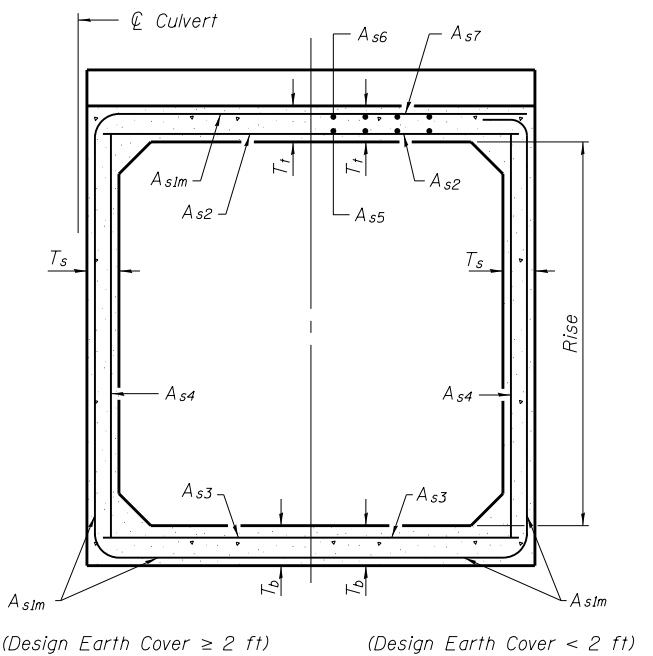
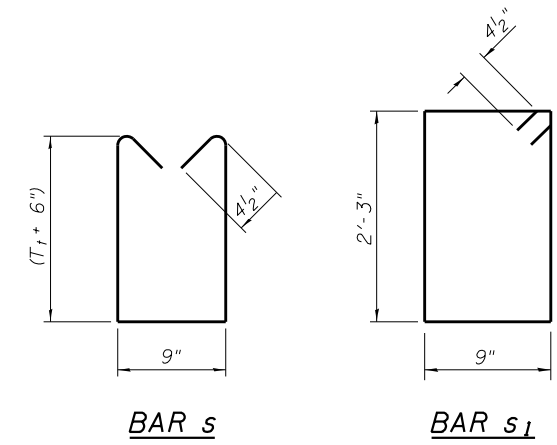
		<b>As<sub>1m</sub> REINFORCEMENT</b>										
		(in. <sup>2</sup> /ft)										
T <sub>s</sub> (in.)	Rise (ft)	2	3	4	5	6	7	8	9	10	11	12
4	0.19	0.17										
5	0.26	0.21	0.18									
6	0.22	0.26	0.23	0.22								
7	0.25	0.33	0.59	0.27	0.28							
8	0.40	0.35	0.43	0.39	0.36	0.34	0.40					
9	0.44	0.39	0.35	0.43	0.40	0.37	0.36	0.48				
10	0.48	0.42	0.38	0.47	0.44	0.41	0.38	0.42	0.56			
11	0.52	0.45	0.54		0.46		0.41		0.50	0.65		
12	0.55	0.49	0.58		0.50		0.45		0.46		0.75	

(As<sub>1m</sub> reinforcement based upon welded wire fabric conforming to AASHTO M 55 or M 221).

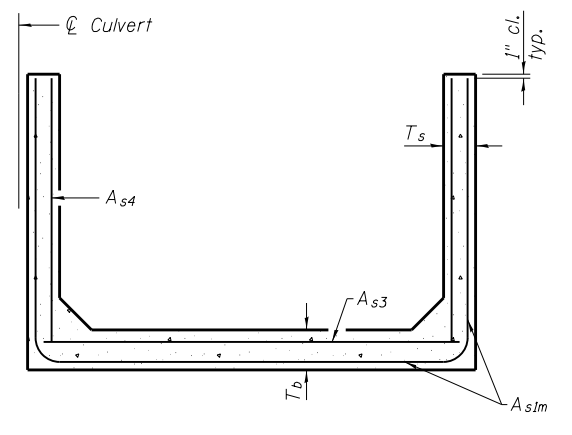
**Notes:**  
 Alternate Section D-D is provided to allow the Contractor the option of casting the bottom slab of the end section first followed by construction of the sidewalls using conventional forming methods. Shop drawings that detail slab thickness and reinforcement layout shall be submitted to the Engineer for review and approval when using Alternate Section D-D.  
 The size and spacing of the v<sub>2</sub>(E) bars shall provide a minimum reinforcement area along each face of the walls (in.<sup>2</sup>/ft.) equal to 1.10\*(As<sub>1m</sub>). v<sub>2</sub>(E) bars may consist of #3 thru #6 size reinforcement bars and the longitudinal spacing shall not exceed the lesser of the wall thickness or 8 inches.  
 Bonded construction joints shall be prepared according to Article 503.09 of the Standard Specifications.  
 Sections C-C, D-D, and Headwall Elevation are symmetric about  $\varnothing$  culvert through 180° rotation.

**l<sub>1</sub> DIMENSION**

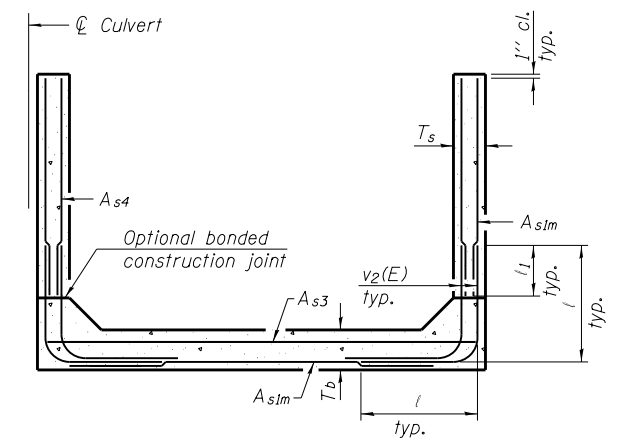
- #3 bar = 2'-0"
- #4 bar = 2'-8"
- #5 bar = 3'-4"
- #6 bar = 3'-11"



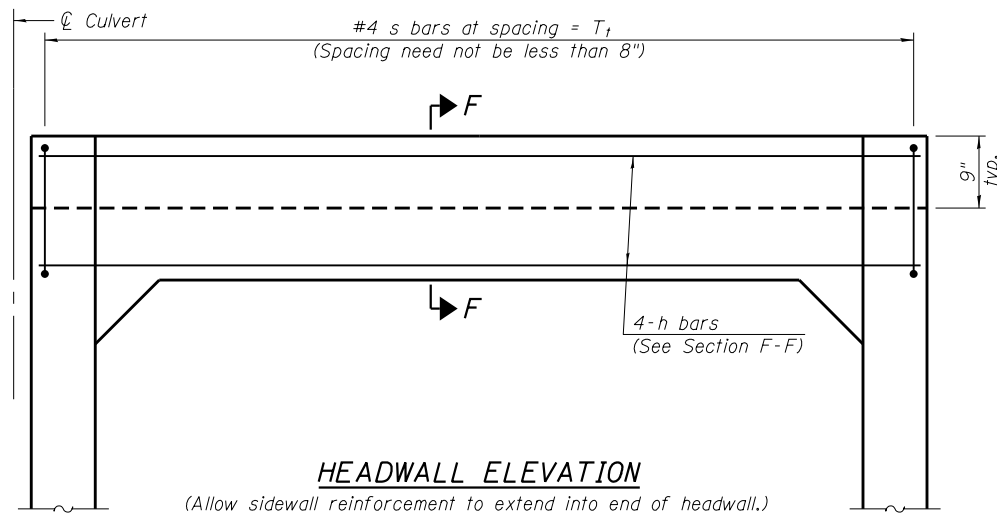
**SECTION C-C**



**SECTION D-D**



**ALTERNATE SECTION D-D**



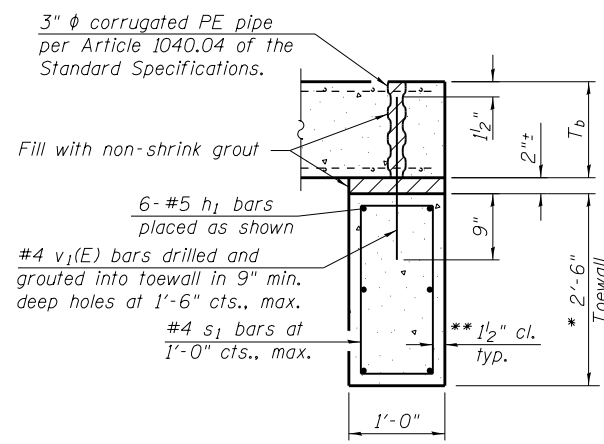
**HEADWALL ELEVATION**

**TOEWALL CONSTRUCTION SEQUENCE**

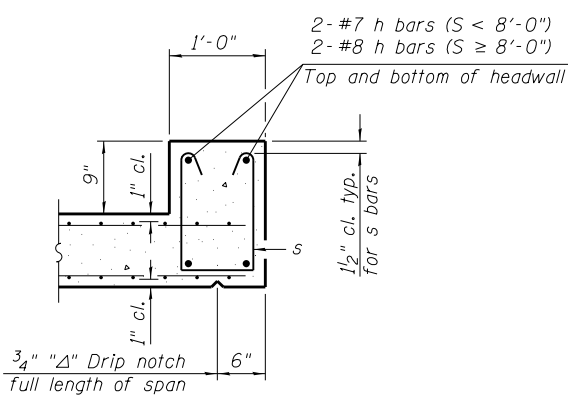
1. Perform excavation and construct toewall.
2. Backfill according to the applicable paragraphs of Article 502.10 of the Standard Specifications and place bedding for precast box culvert end sections.
3. Set precast box culvert end section.
4. Drill and epoxy grout reinforcement in toewall in accordance with Section 584 of the Standard Specifications.
5. Pressure grout voids using non-shrink grout conforming to Section 1024 of the Standard Specifications.

\* The Contractor may furnish a precast or cast-in-place toewall. The Contractor shall be responsible for the strength and stability of the precast toewall during handling. Additional lifting points may be required depending upon the length of the toewall or the Contractor may need to modify the design of the toewall for the proposed handling method.

\*\* If soil conditions permit, the sides of the toewall may be poured directly against the soil. The clear cover on the sides of the toewall shall be increased to 3" by increasing the thickness of the toewall.



**SECTION E-E**



**SECTION F-F**

MCB-TES-2

11-5-13

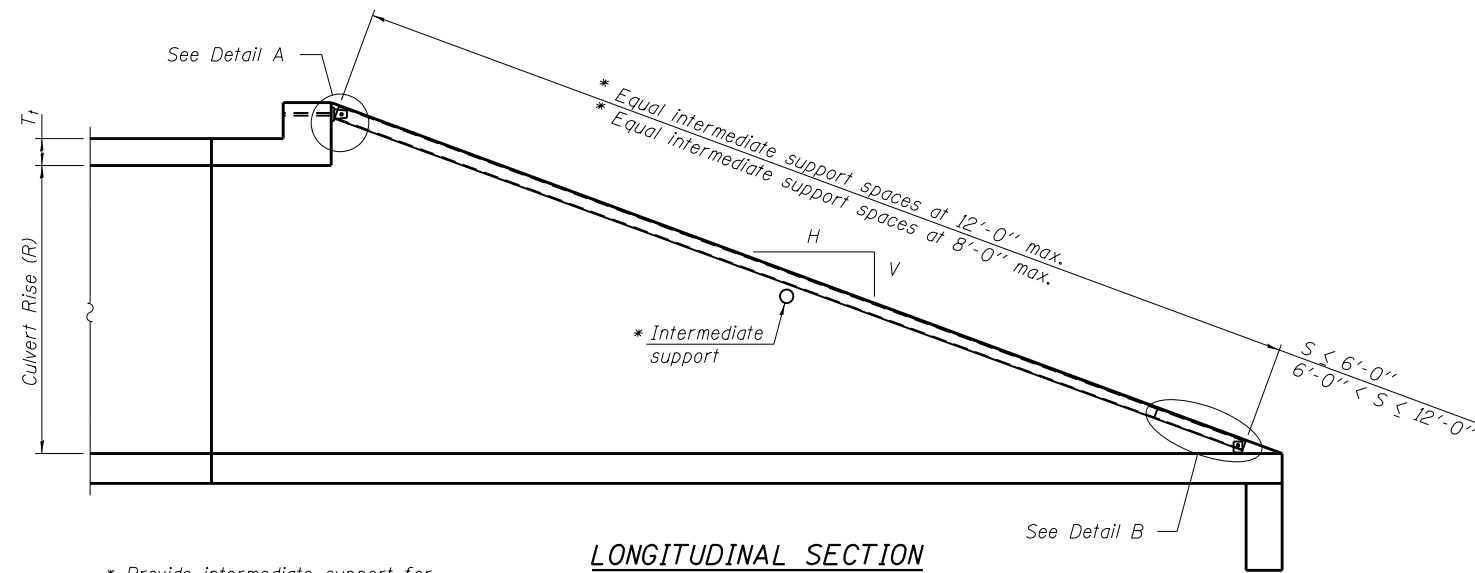
(Sheet 2 of 2)

FILE NAME =	USER NAME =	DESIGNED -	REVISD	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>MULTI-CELL PRECAST BOX CULVERT TAPERED END SECTIONS</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
		CHECKED -	REVISD			607	(125)BR, BR-1, BR-2	LASALLE	83	60	
PLOT SCALE =		DRAWN -	REVISD			<b>CONTRACT NO. 66D49</b>					
PLOT DATE =		CHECKED -	REVISD			ILLINOIS FED. AID PROJECT					

**GENERAL NOTES**

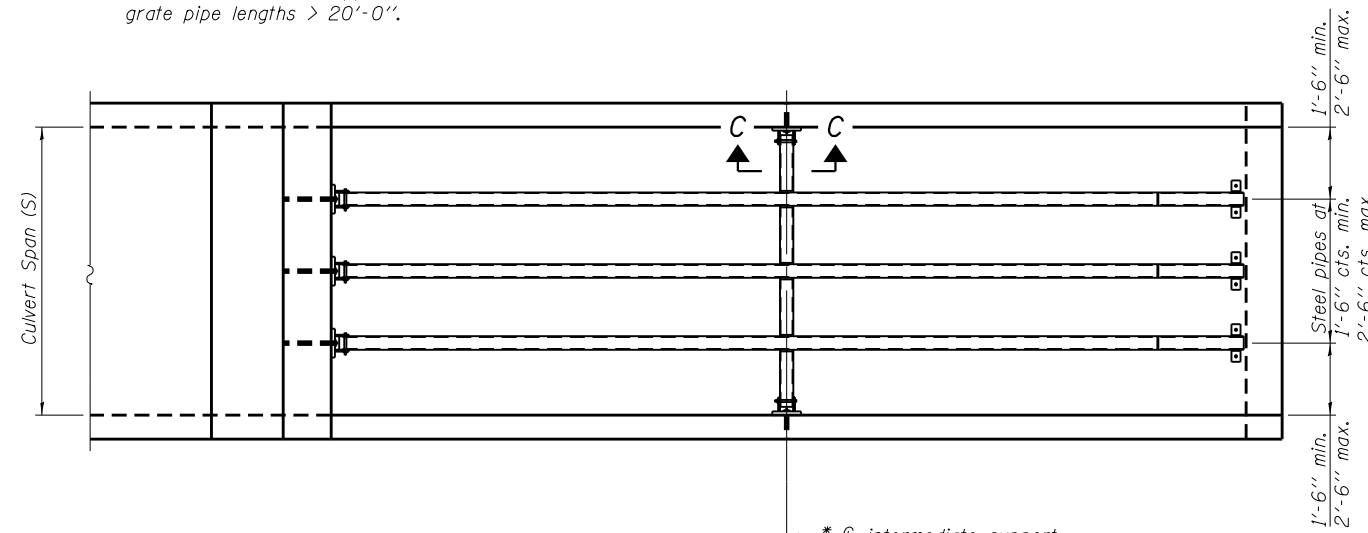
The minimum edge distance from the center of a hole to the free edge of a structural shape or plate shall be 1 1/2" unless noted otherwise.  
 This standard shall only be used on concrete end sections not skewed more than ±15 degrees with roadway.

The Contractor may install the thru bolts using drilling and grouting in lieu of providing a formed hole using steel pipe. Installation shall be in accordance with Article 509.06 using a method that results in the annulus surrounding the bolt being completed filled with adhesive. The method of drilling shall not result in spalled concrete at the exit face. Epoxy grouted thru bolts shall be snug tightened followed by an additional 1/3 turn on the interior nut at final installation. Cost included with Traversable Pipe Grate.

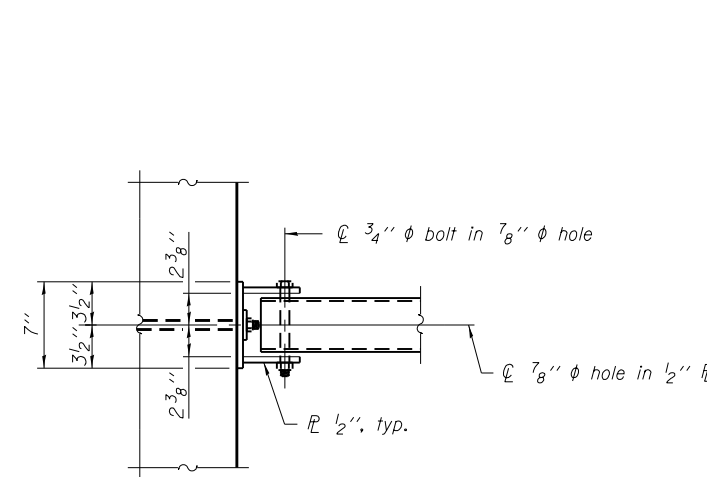


**LONGITUDINAL SECTION**

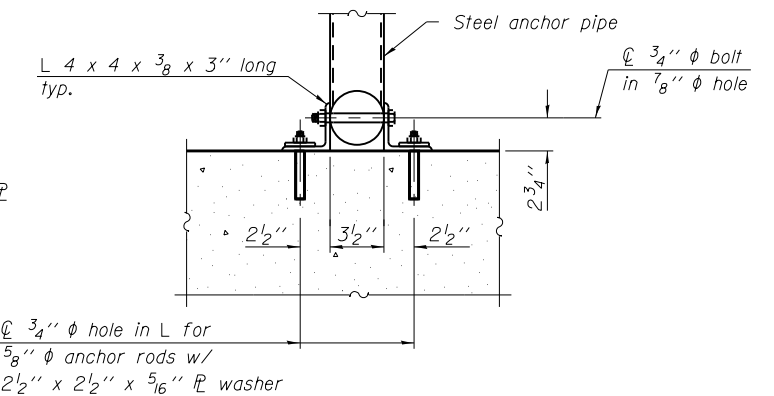
\* Provide intermediate support for grate pipe lengths > 20'-0".



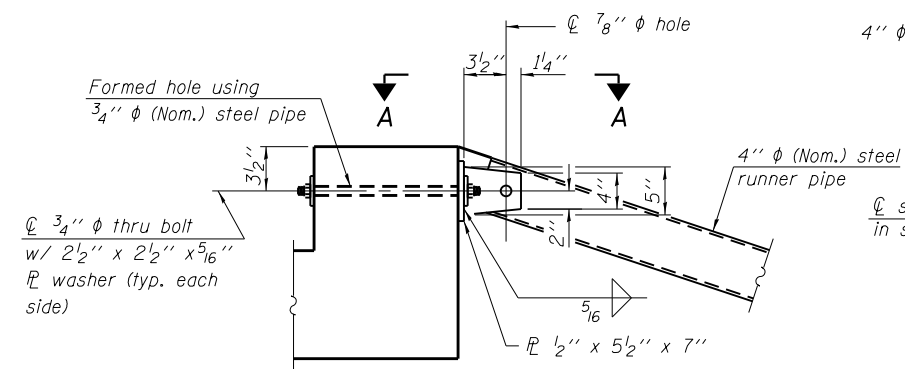
**PLAN VIEW**



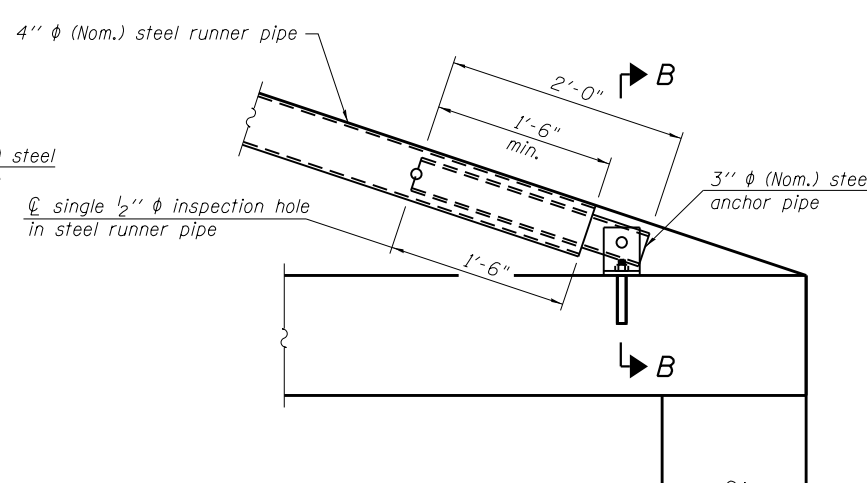
**VIEW A-A**



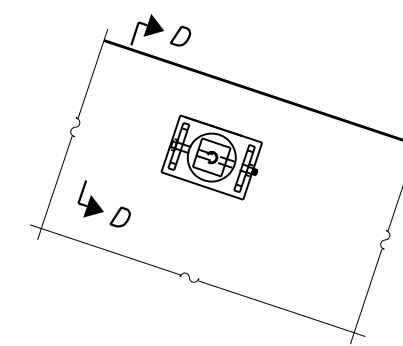
**SECTION B-B**



**DETAIL A**

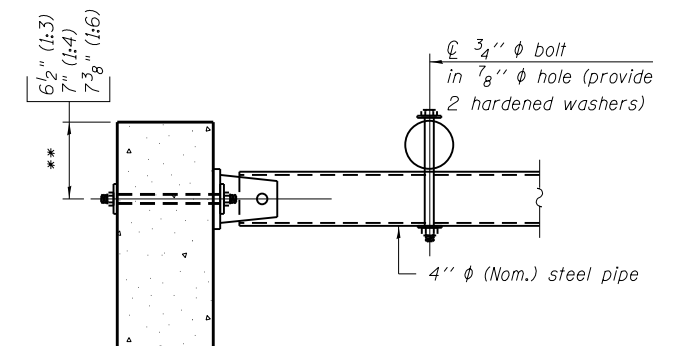


**DETAIL B**



**VIEW C-C**

(See Detail A for dimensions and details not shown.)



**SECTION D-D**

\*\* Measured perpendicular to top of culvert wall. In addition, formed hole shall be located a minimum of 6" measured horizontally from any vertical joints necessary for construction of the culvert end section.

TPGBC-ZS-1

8-21-13

FILE NAME =	USER NAME =	DESIGNED -	REVISED
		CHECKED -	REVISED
		DRAWN -	REVISED
		CHECKED -	REVISED

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TRAVERSABLE PIPE GRATE FOR BOX CULVERTS**

(Sheet 1 of 2)

SHEET NO. 6 OF 13 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
607	(125)BR, BR-1, BR-2	LASALLE	83	61
CONTRACT NO. 66D49				
ILLINOIS FED. AID PROJECT				

**PIPE-GRATE SCHEDULE FOR BOX CULVERT END SECTIONS**

Precast Box Culvert Dimensions			Slope of End Section								
			1:3			1:4			1:6		
S (ft)	R (ft)	T <sub>1</sub> (in)	Main Pipe No. / Length	Int. Support No. / Length	Total Length of Pipe	Main Pipe No. / Length	Int. Support No. / Length	Total Length of Pipe	Main Pipe No. / Length	Int. Support No. / Length	Total Length of Pipe
4	2	7.5	1 @ 8'-10"	N/A	8'-10"	1 @ 11'-7"	N/A	11'-7"	1 @ 17'-2"	N/A	17'-2"
4	2	5	1 @ 8'-2"	N/A	8'-2"	1 @ 10'-8"	N/A	10'-8"	1 @ 15'-11"	N/A	15'-11"
4	3	7.5	1 @ 12'-0"	N/A	12'-0"	1 @ 15'-8"	N/A	15'-8"	1 @ 23'-3"	1 @ 3'-7"	26'-10"
4	3	5	1 @ 11'-4"	N/A	11'-4"	1 @ 14'-10"	N/A	14'-10"	1 @ 22'-0"	1 @ 3'-7"	25'-7"
4	4	7.5	1 @ 15'-2"	N/A	15'-2"	1 @ 19'-10"	1 @ 3'-7"	23'-5"	1 @ 29'-4"	2 @ 3'-7"	36'-6"
4	4	5	1 @ 14'-6"	N/A	14'-6"	1 @ 18'-11"	N/A	18'-11"	1 @ 28'-1"	2 @ 3'-7"	35'-3"
5	2	8	1 @ 8'-11"	N/A	8'-11"	1 @ 11'-9"	N/A	11'-9"	1 @ 17'-5"	N/A	17'-5"
5	2	6	1 @ 8'-5"	N/A	8'-5"	1 @ 11'-1"	N/A	11'-1"	1 @ 16'-5"	N/A	16'-5"
5	3	8	1 @ 12'-1"	N/A	12'-1"	1 @ 15'-10"	N/A	15'-10"	1 @ 23'-6"	1 @ 4'-7"	28'-1"
5	3	6	1 @ 11'-7"	N/A	11'-7"	1 @ 15'-2"	N/A	15'-2"	1 @ 22'-6"	1 @ 4'-7"	27'-1"
5	4	8	1 @ 15'-3"	N/A	15'-3"	1 @ 20'-0"	1 @ 4'-7"	24'-7"	1 @ 29'-7"	2 @ 4'-7"	38'-9"
5	4	6	1 @ 14'-9"	N/A	14'-9"	1 @ 19'-3"	N/A	19'-3"	1 @ 28'-7"	2 @ 4'-7"	37'-9"
5	5	8	1 @ 18'-5"	N/A	18'-5"	1 @ 24'-1"	2 @ 4'-7"	33'-3"	1 @ 35'-8"	3 @ 4'-7"	49'-5"
5	5	6	1 @ 17'-11"	N/A	17'-11"	1 @ 23'-5"	1 @ 4'-7"	28'-0"	1 @ 34'-8"	2 @ 4'-7"	43'-10"
6	2	8	2 @ 8'-11"	N/A	17'-10"	2 @ 11'-9"	N/A	23'-6"	2 @ 17'-5"	N/A	34'-10"
6	2	7	2 @ 8'-8"	N/A	17'-4"	2 @ 11'-5"	N/A	22'-10"	2 @ 16'-11"	N/A	33'-10"
6	3	8	2 @ 12'-1"	N/A	24'-2"	2 @ 15'-10"	N/A	31'-8"	2 @ 23'-6"	1 @ 5'-7"	52'-7"
6	3	7	2 @ 11'-10"	N/A	23'-8"	2 @ 15'-6"	N/A	31'-0"	2 @ 23'-0"	1 @ 5'-7"	51'-7"
6	4	8	2 @ 15'-3"	N/A	30'-6"	2 @ 20'-0"	1 @ 5'-7"	45'-7"	2 @ 29'-7"	2 @ 5'-7"	70'-4"
6	4	7	2 @ 15'-0"	N/A	30'-0"	2 @ 19'-8"	1 @ 5'-7"	44'-11"	2 @ 29'-1"	2 @ 5'-7"	69'-4"
6	5	8	2 @ 18'-5"	N/A	36'-10"	2 @ 24'-1"	2 @ 5'-7"	59'-4"	2 @ 35'-8"	3 @ 5'-7"	88'-1"
6	5	7	2 @ 18'-2"	N/A	36'-4"	2 @ 23'-9"	2 @ 5'-7"	58'-8"	2 @ 35'-2"	2 @ 5'-7"	81'-6"
6	6	8	2 @ 21'-7"	1 @ 5'-7"	48'-9"	2 @ 28'-3"	2 @ 5'-7"	67'-8"	2 @ 41'-9"	3 @ 5'-7"	100'-3"
6	6	7	2 @ 21'-4"	1 @ 5'-7"	48'-3"	2 @ 27'-11"	2 @ 5'-7"	67'-0"	2 @ 41'-3"	3 @ 5'-7"	99'-3"
7	2	8	2 @ 8'-11"	N/A	17'-10"	2 @ 11'-9"	N/A	23'-6"	2 @ 17'-5"	N/A	34'-10"
7	3	8	2 @ 12'-1"	N/A	24'-2"	2 @ 15'-10"	N/A	31'-8"	2 @ 23'-6"	2 @ 6'-7"	60'-2"
7	4	8	2 @ 15'-3"	N/A	30'-6"	2 @ 20'-0"	2 @ 6'-7"	53'-2"	2 @ 29'-7"	3 @ 6'-7"	78'-11"
7	5	8	2 @ 18'-5"	N/A	36'-10"	2 @ 24'-1"	3 @ 6'-7"	67'-11"	2 @ 35'-8"	4 @ 6'-7"	97'-8"
7	6	8	2 @ 21'-7"	2 @ 6'-7"	56'-4"	2 @ 28'-3"	3 @ 6'-7"	76'-3"	2 @ 41'-9"	5 @ 6'-7"	116'-5"
7	7	8	2 @ 24'-9"	3 @ 6'-7"	69'-3"	2 @ 32'-4"	4 @ 6'-7"	91'-0"	2 @ 47'-10"	6 @ 6'-7"	135'-2"
8	2	8	3 @ 8'-11"	N/A	26'-9"	3 @ 11'-9"	N/A	35'-3"	3 @ 17'-5"	N/A	52'-3"
8	3	8	3 @ 12'-1"	N/A	36'-3"	3 @ 15'-10"	N/A	47'-6"	3 @ 23'-6"	2 @ 7'-7"	85'-8"
8	4	8	3 @ 15'-3"	N/A	45'-9"	3 @ 20'-0"	2 @ 7'-7"	75'-2"	3 @ 29'-7"	3 @ 7'-7"	111'-6"
8	5	8	3 @ 18'-5"	N/A	55'-3"	3 @ 24'-1"	3 @ 7'-7"	95'-0"	3 @ 35'-8"	4 @ 7'-7"	137'-4"
8	6	8	3 @ 21'-7"	2 @ 7'-7"	79'-11"	3 @ 28'-3"	3 @ 7'-7"	107'-6"	3 @ 41'-9"	5 @ 7'-7"	163'-2"
8	7	8	3 @ 24'-9"	3 @ 7'-7"	97'-0"	3 @ 32'-4"	4 @ 7'-7"	127'-4"	3 @ 47'-10"	6 @ 7'-7"	189'-0"
8	8	8	3 @ 27'-11"	3 @ 7'-7"	106'-6"	3 @ 36'-6"	4 @ 7'-7"	139'-10"	3 @ 53'-11"	6 @ 7'-7"	207'-3"
9	2	9	3 @ 9'-3"	N/A	27'-9"	3 @ 12'-1"	N/A	36'-3"	3 @ 17'-11"	N/A	53'-9"
9	3	9	3 @ 12'-4"	N/A	37'-0"	3 @ 16'-2"	N/A	48'-6"	3 @ 24'-0"	3 @ 8'-7"	97'-9"
9	4	9	3 @ 15'-6"	N/A	46'-6"	3 @ 20'-4"	2 @ 8'-7"	78'-2"	3 @ 30'-1"	3 @ 8'-7"	116'-0"
9	5	9	3 @ 18'-8"	N/A	56'-0"	3 @ 24'-5"	3 @ 8'-7"	99'-0"	3 @ 36'-2"	4 @ 8'-7"	142'-10"
9	6	9	3 @ 21'-10"	2 @ 8'-7"	82'-8"	3 @ 28'-7"	3 @ 8'-7"	111'-6"	3 @ 42'-3"	5 @ 8'-7"	169'-8"
9	7	9	3 @ 25'-0"	3 @ 8'-7"	100'-9"	3 @ 32'-8"	4 @ 8'-7"	132'-4"	3 @ 48'-4"	6 @ 8'-7"	196'-6"
9	8	9	3 @ 28'-2"	3 @ 8'-7"	110'-3"	3 @ 36'-10"	4 @ 8'-7"	144'-10"	3 @ 54'-5"	6 @ 8'-7"	214'-9"
9	9	9	3 @ 31'-4"	3 @ 8'-7"	119'-9"	3 @ 40'-11"	5 @ 8'-7"	165'-8"	3 @ 60'-6"	7 @ 8'-7"	241'-7"
10	2	10	3 @ 9'-6"	N/A	28'-6"	3 @ 12'-5"	N/A	37'-3"	3 @ 18'-5"	N/A	55'-3"
10	3	10	3 @ 12'-8"	N/A	38'-0"	3 @ 16'-6"	N/A	49'-6"	3 @ 24'-6"	3 @ 9'-7"	102'-3"
10	4	10	3 @ 15'-10"	N/A	47'-6"	3 @ 20'-8"	2 @ 9'-7"	81'-2"	3 @ 30'-7"	3 @ 9'-7"	120'-6"
10	5	10	3 @ 19'-0"	N/A	57'-0"	3 @ 24'-9"	3 @ 9'-7"	103'-0"	3 @ 36'-8"	4 @ 9'-7"	148'-4"
10	6	10	3 @ 22'-1"	2 @ 9'-7"	85'-5"	3 @ 28'-11"	3 @ 9'-7"	115'-6"	3 @ 42'-9"	5 @ 9'-7"	176'-2"
10	7	10	3 @ 25'-3"	3 @ 9'-7"	104'-6"	3 @ 33'-0"	4 @ 9'-7"	137'-4"	3 @ 48'-10"	6 @ 9'-7"	204'-0"
10	8	10	3 @ 28'-5"	3 @ 9'-7"	114'-0"	3 @ 37'-2"	4 @ 9'-7"	149'-10"	3 @ 54'-11"	6 @ 9'-7"	222'-3"
10	9	10	3 @ 31'-7"	4 @ 9'-7"	133'-1"	3 @ 41'-3"	5 @ 9'-7"	171'-8"	3 @ 61'-0"	7 @ 9'-7"	250'-1"
10	10	10	3 @ 34'-9"	4 @ 9'-7"	142'-7"	3 @ 45'-5"	5 @ 9'-7"	184'-2"	3 @ 67'-1"	8 @ 9'-7"	277'-11"
11	2	11	4 @ 9'-9"	N/A	39'-0"	4 @ 12'-9"	N/A	51'-0"	4 @ 18'-11"	N/A	75'-8"
11	3	11	4 @ 12'-11"	N/A	51'-8"	4 @ 16'-11"	N/A	67'-8"	4 @ 25'-0"	3 @ 10'-7"	131'-9"
11	4	11	4 @ 16'-1"	N/A	64'-4"	4 @ 21'-0"	2 @ 10'-7"	105'-2"	4 @ 31'-1"	3 @ 10'-7"	156'-1"
11	6	11	4 @ 22'-5"	2 @ 10'-7"	110'-10"	4 @ 29'-3"	3 @ 10'-7"	148'-9"	4 @ 43'-3"	5 @ 10'-7"	225'-11"
11	8	11	4 @ 28'-9"	3 @ 10'-7"	146'-9"	4 @ 37'-6"	4 @ 10'-7"	192'-4"	4 @ 55'-5"	6 @ 10'-7"	285'-2"
11	10	11	4 @ 35'-0"	4 @ 10'-7"	182'-4"	4 @ 45'-9"	5 @ 10'-7"	235'-11"	4 @ 67'-7"	8 @ 10'-7"	355'-0"
11	11	11	4 @ 38'-2"	4 @ 10'-7"	195'-0"	4 @ 49'-10"	6 @ 10'-7"	262'-10"	4 @ 73'-8"	9 @ 10'-7"	389'-11"
12	2	12	4 @ 10'-0"	N/A	40'-0"	4 @ 13'-1"	N/A	52'-4"	4 @ 19'-5"	N/A	77'-8"
12	3	12	4 @ 13'-2"	N/A	52'-8"	4 @ 17'-3"	N/A	69'-0"	4 @ 25'-6"	3 @ 11'-7"	136'-9"
12	4	12	4 @ 16'-4"	N/A	65'-4"	4 @ 21'-4"	2 @ 11'-7"	108'-6"	4 @ 31'-7"	4 @ 11'-7"	172'-8"
12	6	12	4 @ 22'-8"	2 @ 11'-7"	113'-10"	4 @ 29'-7"	3 @ 11'-7"	153'-1"	4 @ 43'-9"	5 @ 11'-7"	232'-11"
12	8	12	4 @ 29'-0"	3 @ 11'-7"	150'-9"	4 @ 37'-10"	4 @ 11'-7"	197'-8"	4 @ 55'-11"	7 @ 11'-7"	304'-9"
12	10	12	4 @ 35'-4"	4 @ 11'-7"	187'-8"	4 @ 46'-1"	5 @ 11'-7"	242'-3"	4 @ 68'-1"	8 @ 11'-7"	365'-0"
12	12	12	4 @ 41'-8"	5 @ 11'-7"	224'-7"	4 @ 54'-4"	6 @ 11'-7"	286'-10"	4 @ 80'-3"	10 @ 11'-7"	436'-10"

TPGBC-ZS-2

8-21-13

FILE NAME D366049-sht-boxculvert0808.dgn	DESIGNED -	REVISIED -
	CHECKED -	REVISIED -
PLOT DATE 8/3/2016	DRAWN -	REVISIED -
	CHECKED -	REVISIED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TRAVERSABLE PIPE GRATE FOR BOX CULVERTS**

(Sheet 2 of 2)

SHEET NO. 7 OF 13 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
607	(125)BR, BR-1, BR-2	LASALLE	83	62
CONTRACT NO. 66D49				
ILLINOIS FED. AID PROJECT				



# SOIL BORING LOG

Page 1 of 1

Date 3/16/15

ROUTE FAP 607 (US 52) DESCRIPTION US 52 over Tributary to Mission Creek, 2.05 miles East of IL 71 LOGGED BY Larry Myers

SECTION 125-B-I LOCATION NE 1/4, SEC. 25, TWP. 35N, RNG. 5E, 3<sup>rd</sup> PM, Latitude 41.486159, Longitude -88.60552

COUNTY LaSalle DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME Automatic

STRUCT. NO. 050-0060	D E P T H	B L O W S	U C S Qu	M O I S T	Surface Water Elev. 671.31 ft	D E P T H	B L O W S	U C S Qu	M O I S T
Station 575+18					Stream Bed Elev. 670.05 ft				
BORING NO. 1 (S.W. Quad.)	H	S	P	T	Groundwater Elev.:	ft	ft	ft	ft
Station 574+93					First Encounter 666.5				
Offset 15.0 ft Rt.	ft	(ft)	(/6")	(tsf)	(%)	ft	ft	ft	ft
Ground Surface Elev. 678.45									
									After Hrs.

Augered Shoulder Stone, Brown & Black Silty Clay Loam Fill										Hard Gray Silty Clay Loam Till (continued)									
675.95																			
Hard Brown & Black Silty Clay Loam Fill		5					5												
		5	4.0	19			6	4.4	19										
		6	P				8	S											
673.45		-5					-25												
Very Stiff Black Silty Clay Loam		3					6												
		3	3.0	29			7	4.8	17										
		3	P				9	S											
671.45							651.45												
Stiff Gray & Brown Silty Clay Loam / Silty Loam		2					3												
		2	1.5	22			4	3.1	19										
		3	P				5	B											
		-10					-30												
		2					3												
		1	1.0	26			3	2.7	19										
		2	P				4	B											
666.45																			
Very Stiff Gray Silty Clay Loam Till		5																	
		3	3.5	17															
		4	P																
663.95																			
Medium Gray Fine Sand to Coarse Gravel with some Silt Pockets		-15					-35												
		8					3												
		9		10			5	3.8	15										
		6					6	B											
660.95							641.95												
Hard Gray Silty Clay Loam Till		7																	
		10	5.7	14															
		11	S																
		-20					-40												

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

BBS, form 137 (Rev. 8-99)



# SOIL BORING LOG

Page 1 of 1

Date 3/16/15

ROUTE FAP 607 (US 52) DESCRIPTION US 52 over Tributary to Mission Creek, 2.05 miles East of IL 71 LOGGED BY Larry Myers

SECTION 125-B-I LOCATION SE 1/4, SEC. 24, TWP. 35N, RNG. 5E, 3<sup>rd</sup> PM, Latitude 41.486259, Longitude -88.605331

COUNTY LaSalle DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME Automatic

STRUCT. NO. 050-0060	D E P T H	B L O W S	U C S Qu	M O I S T	Surface Water Elev. 671.31 ft	D E P T H	B L O W S	U C S Qu	M O I S T
Station 575+18					Stream Bed Elev. 670.92 ft				
BORING NO. 2 (N.E. Quad.)	H	S	P	T	Groundwater Elev.:	ft	ft	ft	ft
Station 575+40					First Encounter Dry				
Offset 15.0 ft Lt.	ft	(ft)	(/6")	(tsf)	(%)	ft	ft	ft	ft
Ground Surface Elev. 678.45									

Augered Shoulder Stone, Brown Sandy Clay Loam Till Fill										Hard Gray Silty Clay Loam Till (continued)									
675.95																			
Hard to Very Stiff Brown Sandy Clay Loam Till Fill		5					8												
		4	4.0	14			9	6.4	14										
		3	P				10	S											
673.95																			
Stiff Black Silty Clay / Silty Clay Loam		-5					-25												
		2					9												
		2	1.5	27			9	6.6	15										
		2	P				12	S											
671.45																			
Stiff Gray & Brown Silty Clay Loam		2					4												
		3	1.5	21			5	3.9	17										
		2	P				5	B											
668.95																			
Hard Brown & Gray Silty Clay Loam Till		-10					-30												
		3					3												
		4	4.0	14			3	3.4	20										
		5	S				6	B											
666.45																			
Hard Gray Silty Clay Loam Till		7																	
		8	6.1	13															
		11	S																
		-15					-35												
		9					3												
		10	6.4	13			4	3.4	19										
		12	S				5	B											
641.95																			
End of Boring		10																	
		12	6.8	14															
		14	S																
		-20					-40												

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

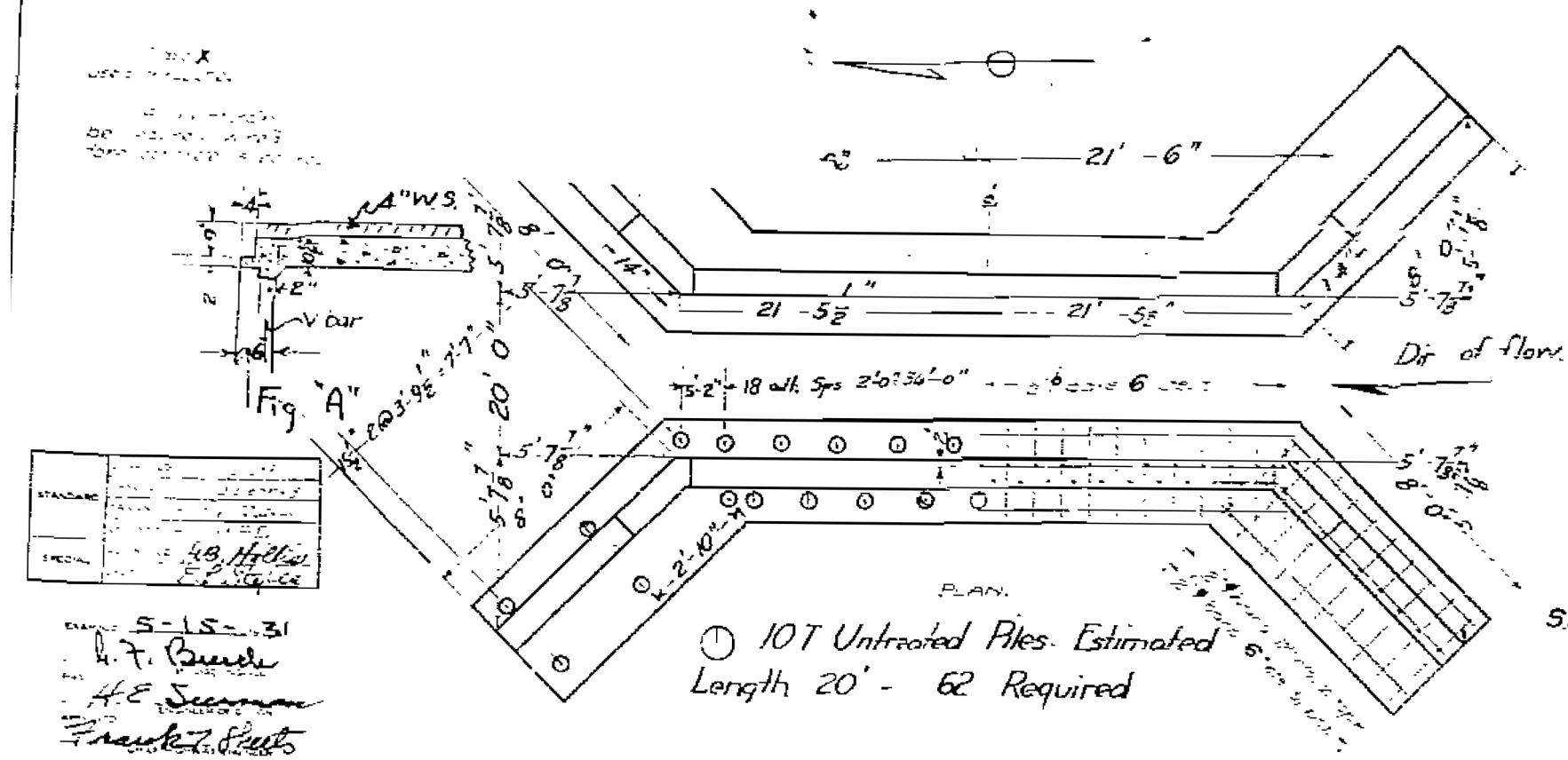
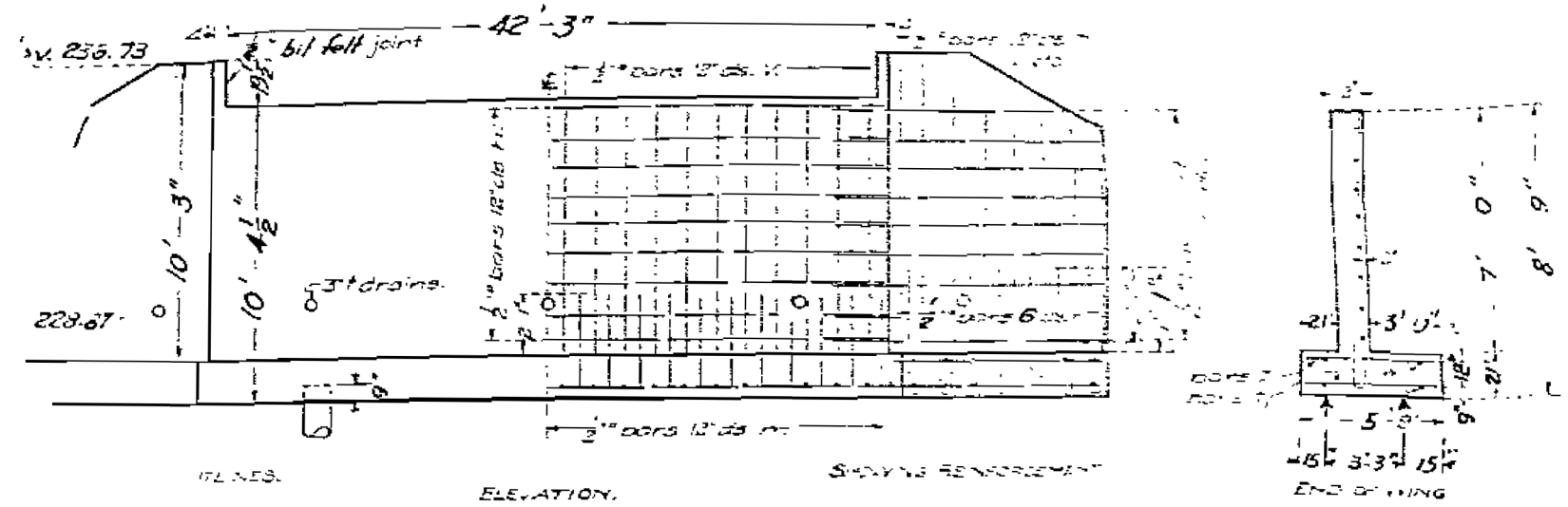
BBS, form 137 (Rev. 8-99)

V.I.F.P.

I-Beam bridge on  
Poly 17.  
stor.

STATE OF ILLINOIS  
DEPARTMENT OF PUBLIC WORKS & BUILDINGS  
DIVISION OF HIGHWAYS  
R.C. ABUTMENTS FOR SLAB BRIDGE  
HEIGHT OVER ALL 12 FEET

SHEET NO. 2		OF 5 SHEETS	
SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
69 E 125B	LaSalle	49	48
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT 190



SUMMARY OF MATERIAL

BAR	SIZE	LENGTH
1	8G	9'-6"
2	16	7'-0"
3	6	8'-6"
4	8	9'-6"
5	36	22'-6"
6	32	9'-0"
7	4	5'-0"
8	174	5'-3"
9	76	5'-6"
10	32	5'-6"
11	8	22'-6"
12	16	9'-6"
13	86	3'-0"
14	64	4'-3"
Reinforcing Steel - Lbs.		3600
Concrete Cu. Yds.		79.0

STANDARD	
SPECIAL	48, 11/20/16

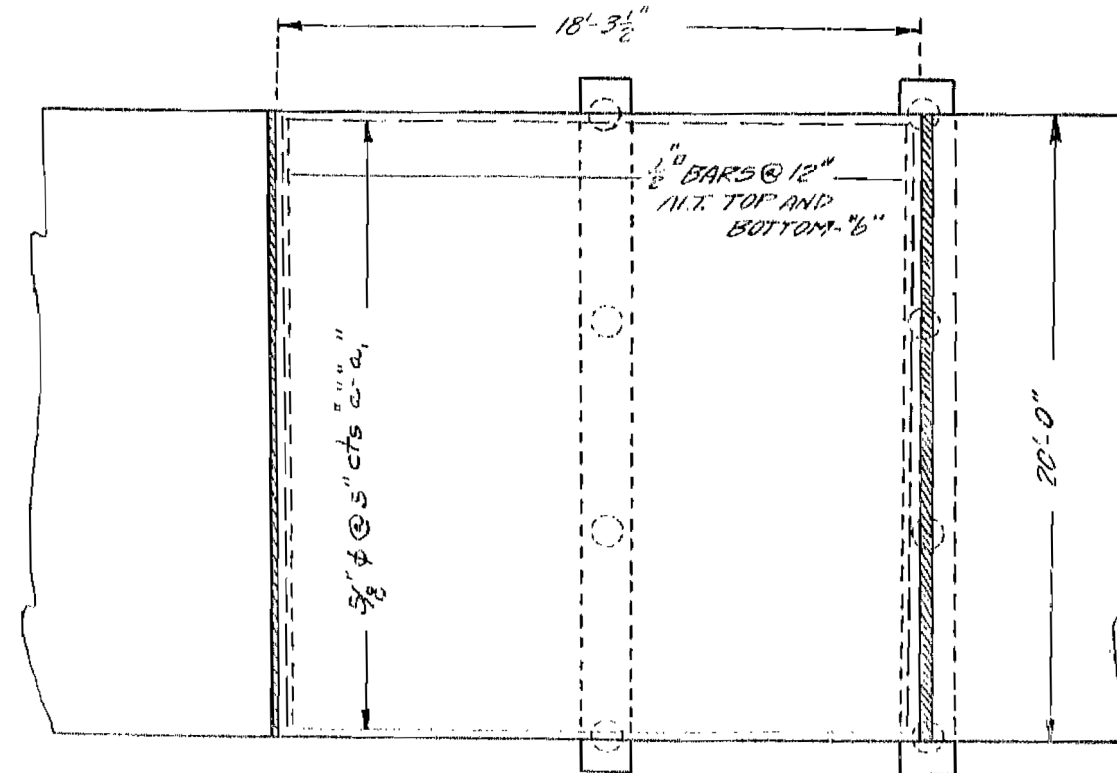
DESIGNED BY  
H. F. Bunch  
CHECKED BY  
H. E. Seaman  
DRAWN BY  
Frank J. Skits

SBL Rt. 69 SE C-125B  
LASALLE CO. INTY  
STA. 575+18



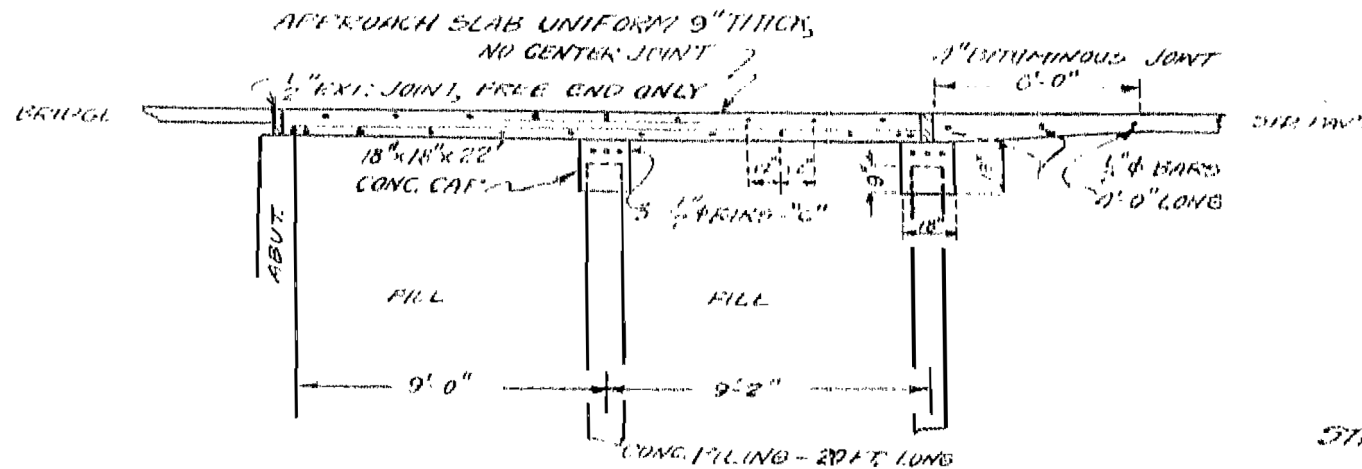
# PAVEMENT ADJACENT BRIDGES

ROAD DISTRICT NO. 7	SEC	COUNTY	TOTAL SHEETS	SHEET NO.
69	B125	LASALLE	49	40
ILLINOIS FED. AID PROJECT			190	



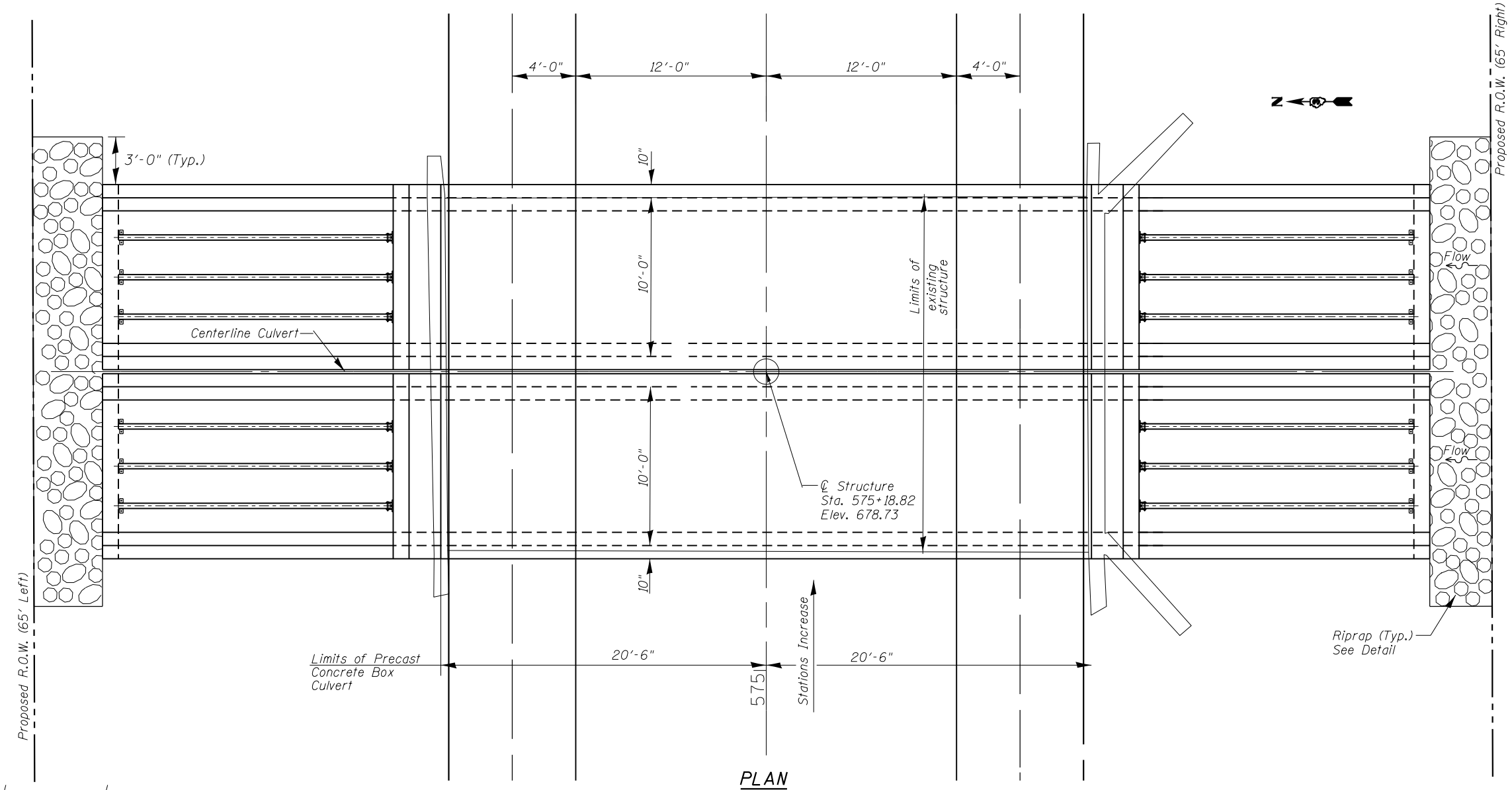
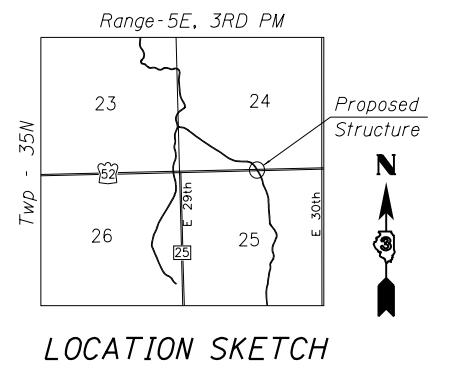
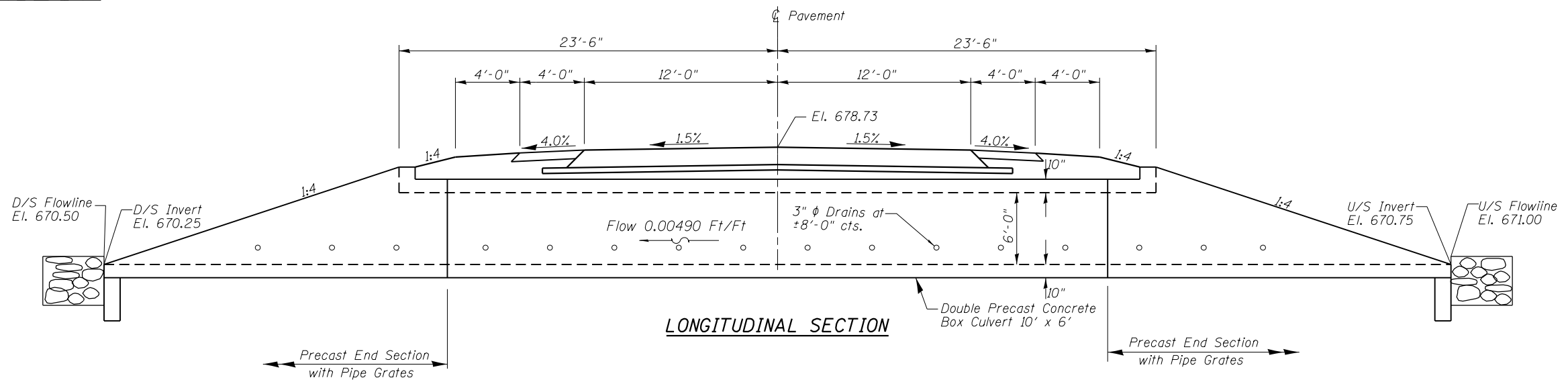
BAR	No.	SIZE	LENGTH
a	48	5/8" φ	17'-6"
a <sub>1</sub>	48	5/8" φ	6'-0"
b	21	1/2" φ	18'-6"
c	6	1/2" φ	21'-6"
STEEL - LBS.			1560
Conc. Cu. Yds.			18.6
Conc. Paving Ft.			180
Conc. Cu. Yds. - Caps			1.8

Note: The cost of constructing the Pavement in accordance with this design at such points as are designated on the detail plans including all extra materials except Reinforcement Bars shall be included in the unit price bid for Pavement. No extra compensation will be allowed, except for Reinforcement Bars which will be paid for at the contract unit price for "Reinforcement Bars."



STA. [REDACTED] ~ 371+98  
 420+86 ~ 429+37  
 542+68 ~ 575+18  
 RT. 69 SLC 125  
 LASALLE CO.

EXHIBIT

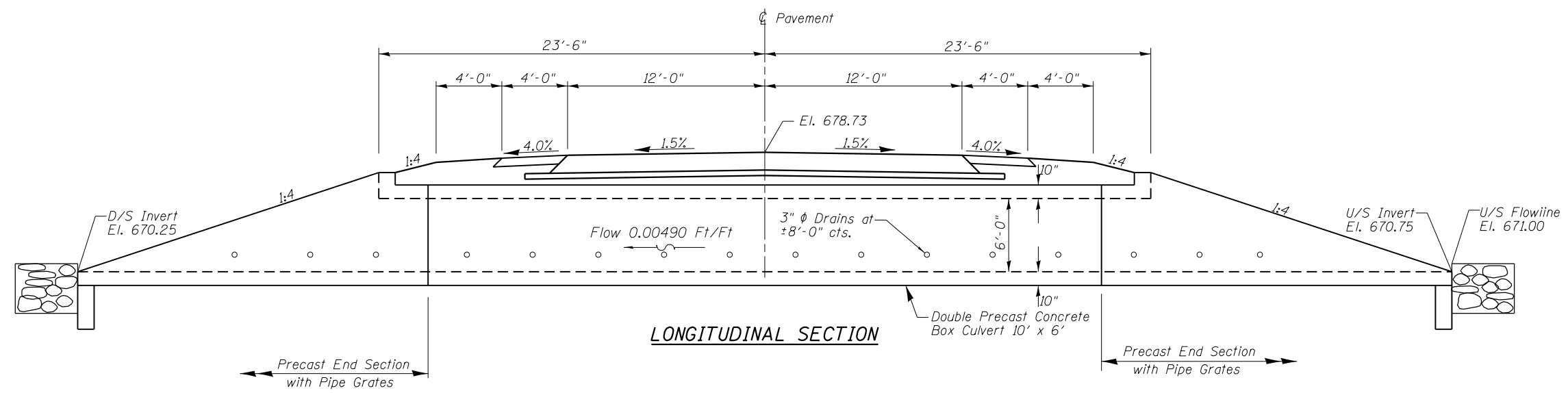


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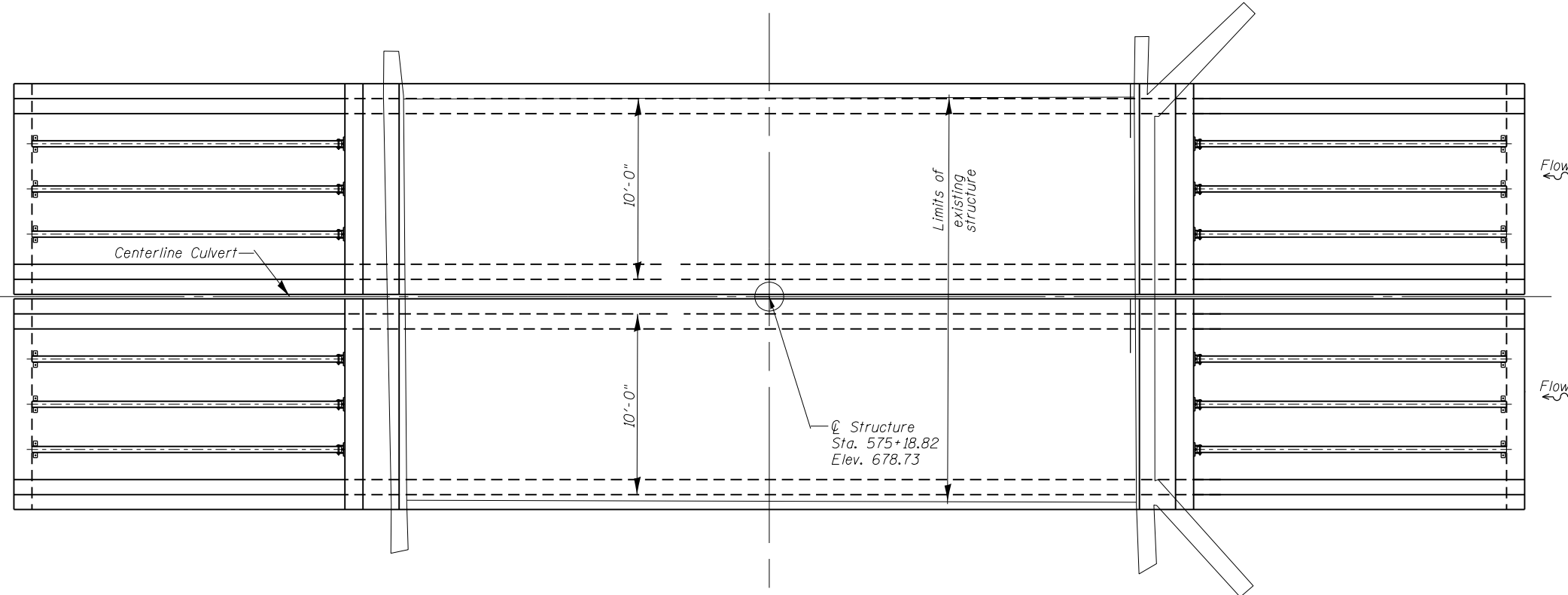
GENERAL PLAN & ELEVATION  
 US ROUTE 52 OVER MISSION CREEK  
 F.A.P. RT. 607 SEC. (125)BR-2  
 LASALLE COUNTY  
 STATION 575+18.82  
 EXISTING STRUCTURE NO. 050-0060  
 PROPOSED STRUCTURE NO. 050-2059

FILE NAME =	USER NAME = duncanbd	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>404 PERMIT EXHIBITS SN 050-2059</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
pw:\IL084EBIDINTEG.illinois.gov\PI\DOT\Documents\DOT Offices\District 3\Projects\0366049\Drawings\0366049-sht-boxcu\0366049-01.dwg	DESIGNED BY =	CHECKED -	REVISED -			607	(125)BR, BR-1, BR-2	LASALLE	83	66	
PLOT SCALE = 8.0000' / in.	CHECKED BY =	DATE -	REVISED -			CONTRACT NO. 66D49					
PLOT DATE = 8/3/2016	DATE -	REVISED -	REVISED -			ILLINOIS FED. AID PROJECT					

EXHIBIT



Temporary work pad  
Approximately 67 sq. yds of  
clean coarse aggregates.  
To be removed upon completion of project.



Temporary work pad  
Approximately 67 sq. yds of  
clean coarse aggregates.  
To be removed upon completion of project.

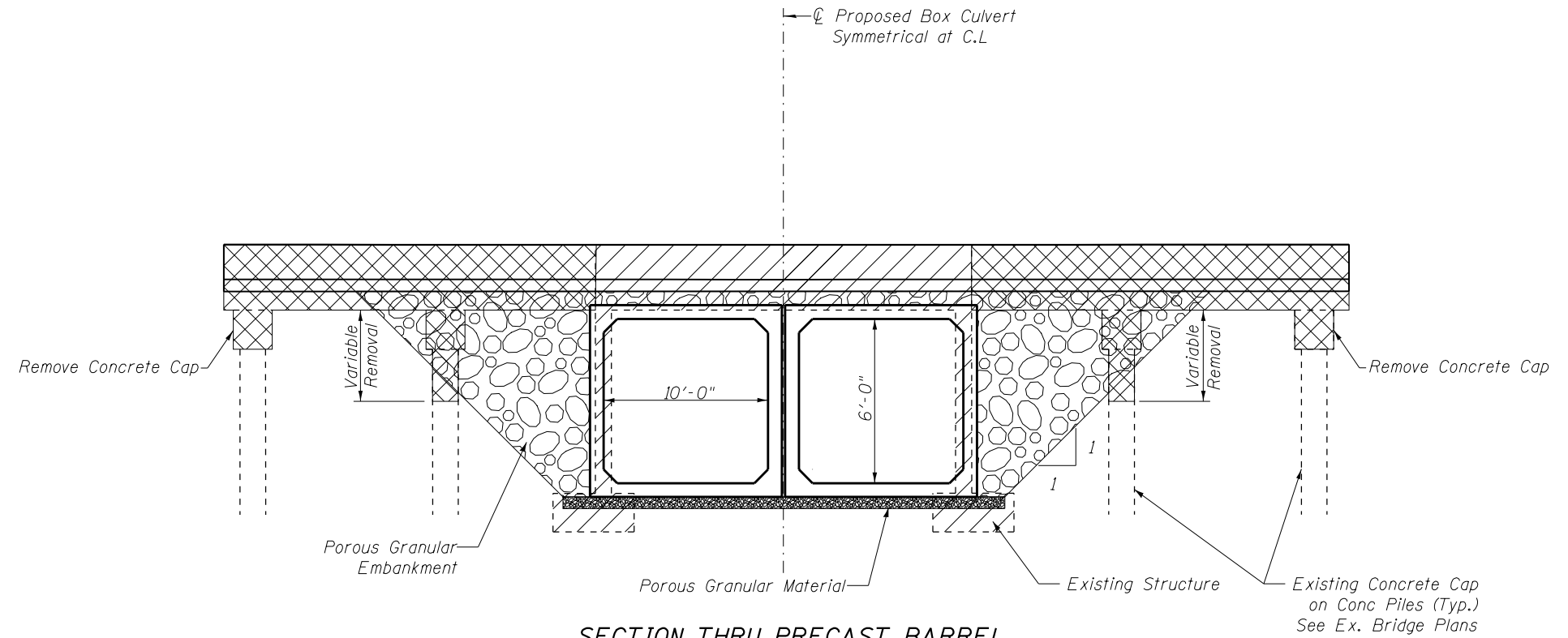
PLAN

Not to scale

GENERAL PLAN & ELEVATION  
US ROUTE 52 OVER MISSION CREEK  
F.A.P. RT. 607 SEC. (125)BR-2  
LASALLE COUNTY  
STATION 575+18.82  
EXISTING STRUCTURE NO. 050-0060  
PROPOSED STRUCTURE NO. 050-2059

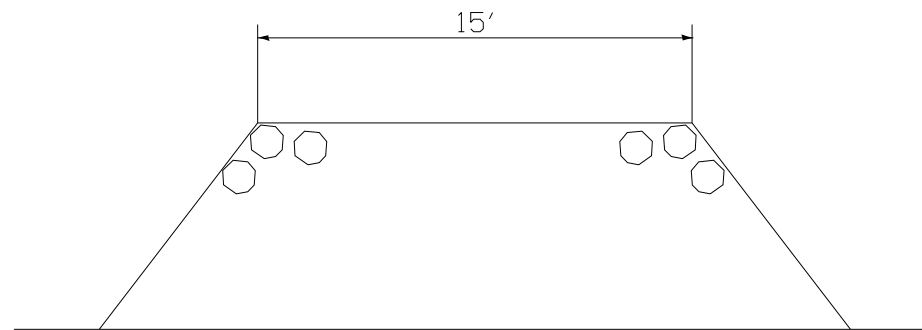
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pw:\IL\084EBIDINTEG.illinois.gov\PI\DOT\Documents\DOT Offices\District 3\Projects\0366049\Drawings\0366049-shr-boxculvert\0366049-shr-boxculvert.dgn	DESIGNED -	REVISED -	607			(125)BR, BR-1, BR-2	LASALLE	83	67	
PLOT SCALE = 8.0000' / in.	CHECKED -	REVISED -	CONTRACT NO. 66D49							
PLOT DATE = 8/3/2016	DATE -	REVISED -	SCALE:	SHEET NO. 12 OF 13 SHEETS	STA.	TO STA.		ILLINOIS FED. AID PROJECT		

EXHIBIT



**SECTION THRU PRECAST BARREL**

Dimensions at right angle to  $\phi$  of culvert (Looking North).

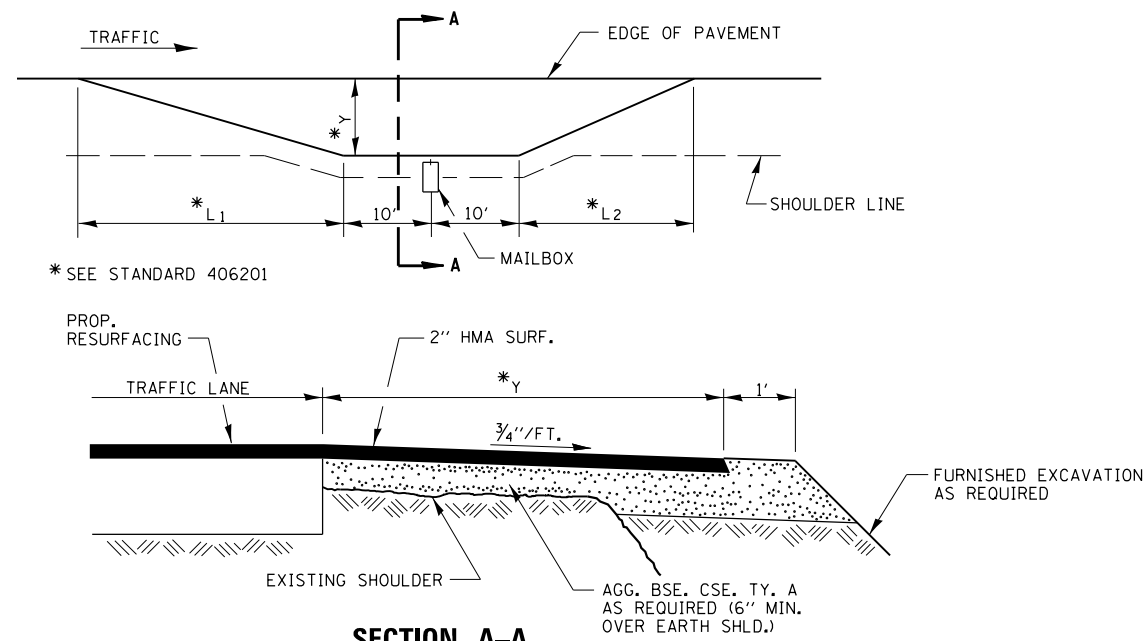


Section thru work pad  
To be removed upon completion  
of project.

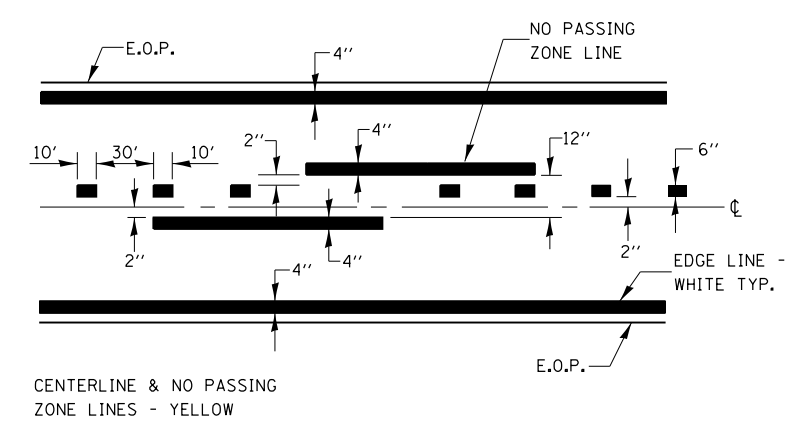
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**MISCELLANEOUS DETAILS**  
**US ROUTE 52 OVER MISSION CREEK**  
**F.A.P. RT. 607 SEC. (125)BR-2**  
**LASALLE COUNTY**  
**STATION 575+18.82**  
**EXISTING STRUCTURE NO. 050-0060**  
**PROPOSED STRUCTURE NO. 050-2059**

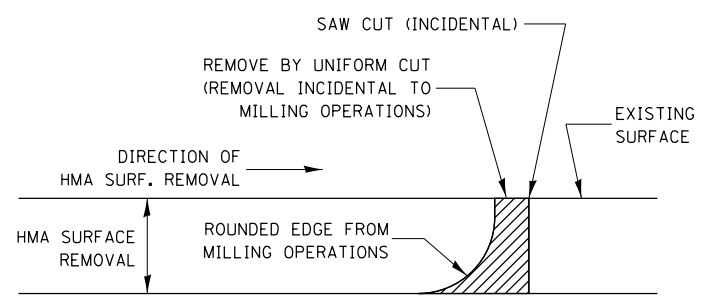
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	PLOT SCALE = 8.0000' / in.	DATE -	REVISED -					CONTRACT NO. 66D49				
	PLOT DATE = 8/3/2016			SCALE:	SHEET NO. 13 OF 13 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT				



**SECTION A-A**  
**RURAL MAILBOX TURNOUT DETAILS**



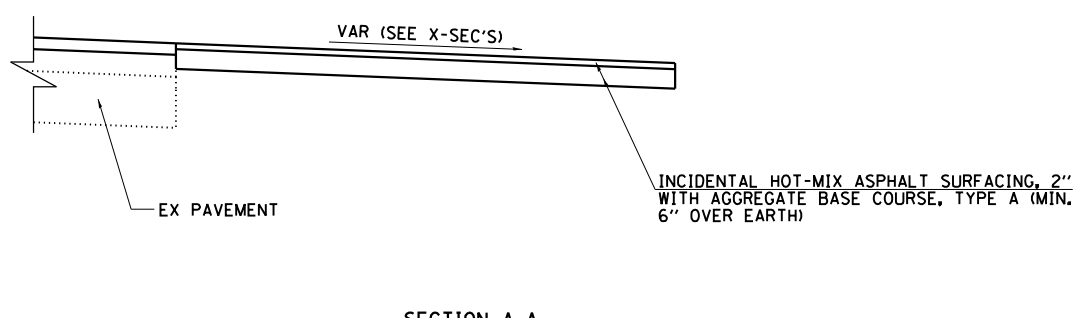
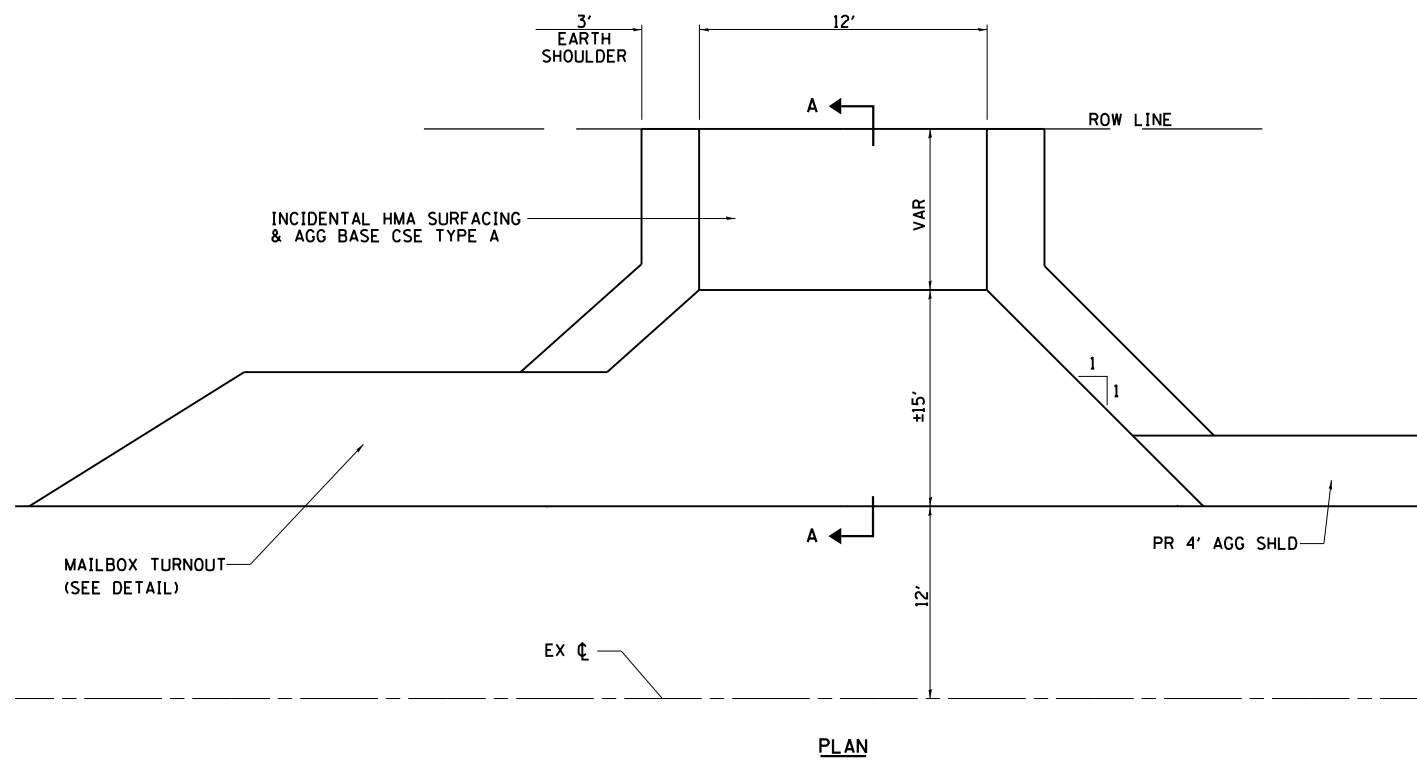
**PAVEMENT MARKING**



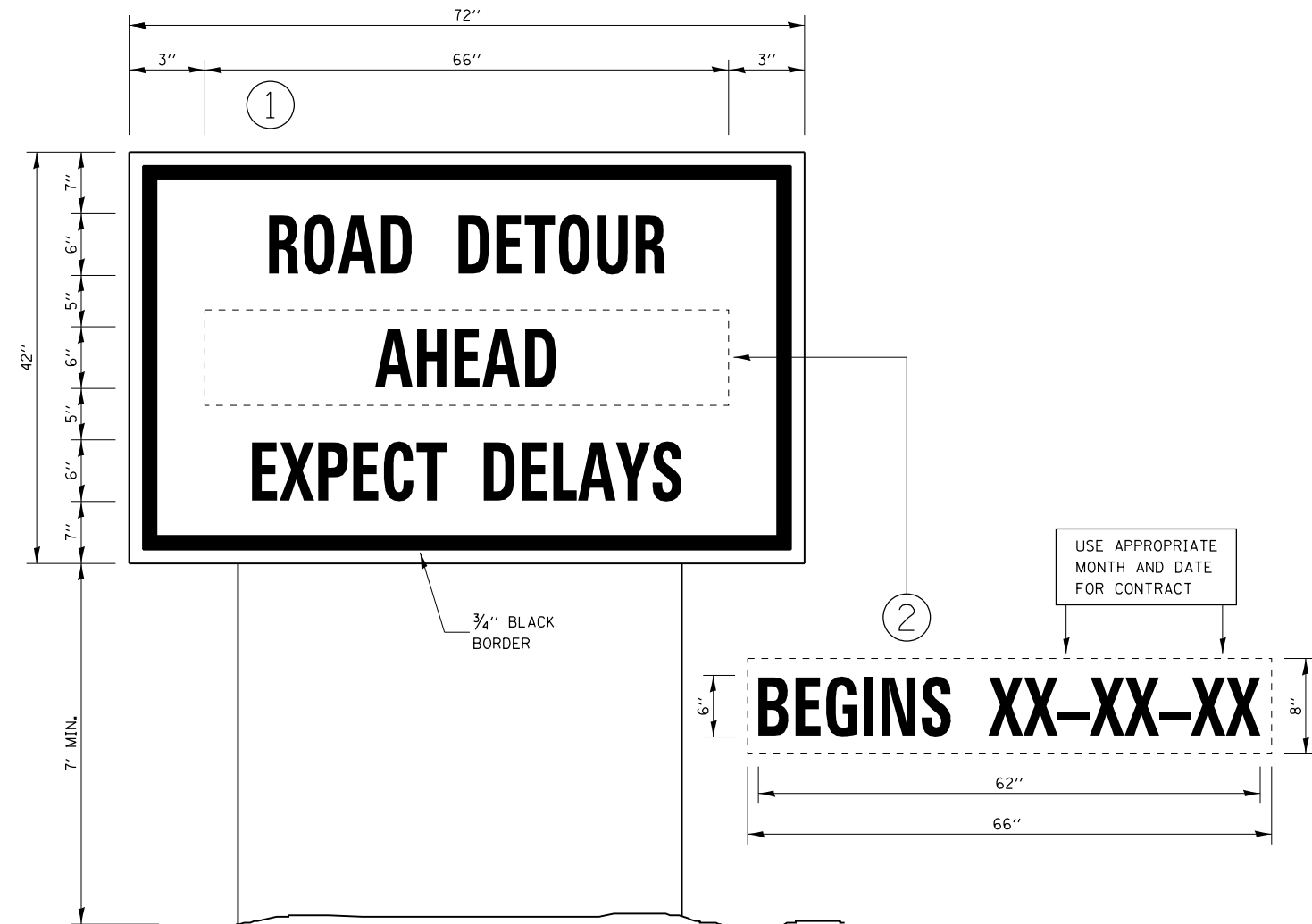
**NOTE:**  
 WHEN MILLING OPERATIONS PRODUCE A ROUNDED EDGE,  
 THEN A SAW CUT SHALL BE USED TO MANUFACTURE  
 A PERPENDICULAR EDGE AS SHOWN IN THE DETAIL.  
 THE ENGINEER SHALL BE THE SOLE JUDGE  
 CONCERNING THE USE OF THIS DETAIL

**HMA DETAIL AT BUTT JOINTS**

FILE NAME =	USER NAME = duncanbd	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>DETAILS</b>			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw\11084EBIDINTEG.illinois.gov\PIWIDOT\Documents\IDOT Offices\District 3\Projects\0366049\Drawings\EA0\Drawings\0366049-shd-detai		CHECKED -	REVISED -		607	125BR, BR-1, BR-2	LASALLE	83	69			
		DATE -	REVISED -		CONTRACT NO. 66D49							
					SCALE: NTS	SHEET NO. 1 OF 3 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT			



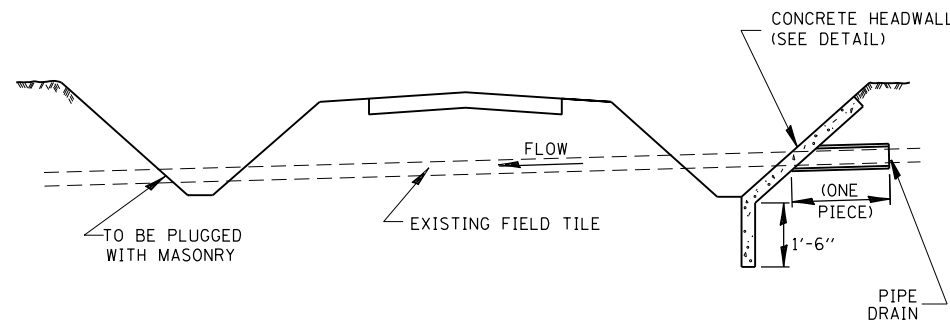
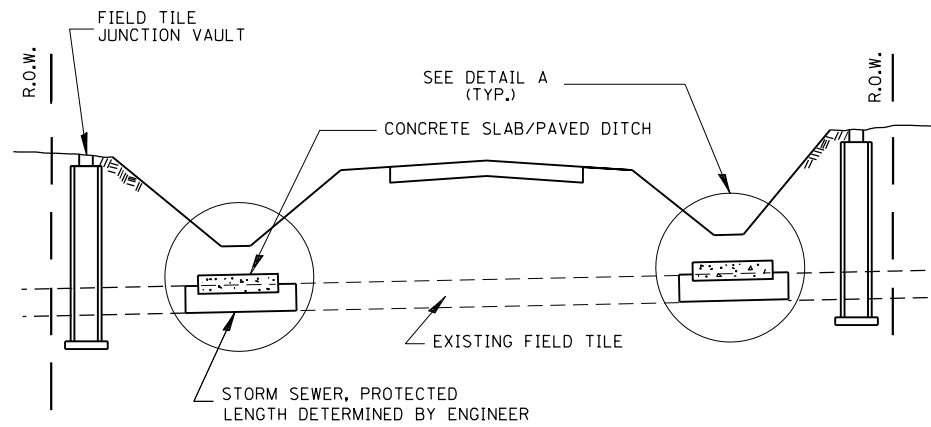
**ENTRANCE DETAIL AT SN 050-0151**



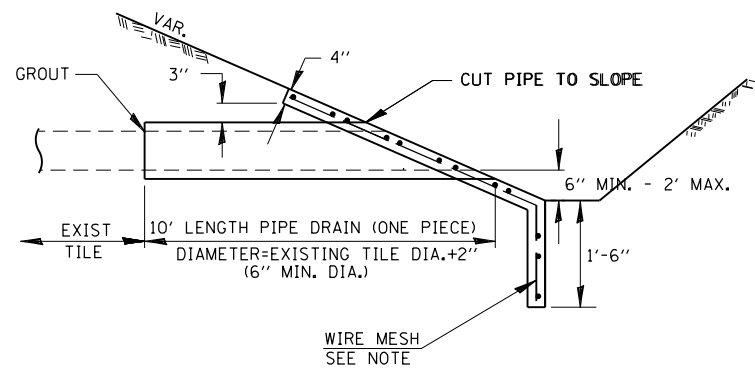
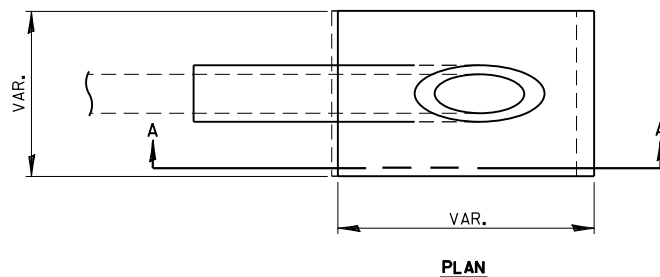
**TEMPORARY INFORMATION SIGNING**

**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 DETOUR.
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.

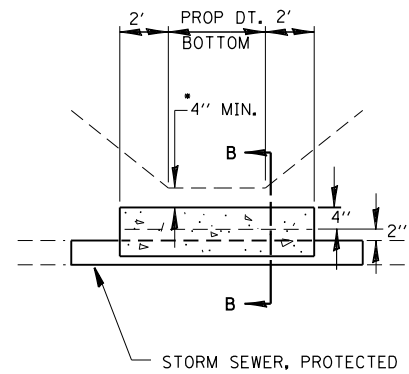


**FIELD TILE REPLACEMENT**



**SECTION A-A**

**CLASS SI CONCRETE HEADWALLS**



**DETAIL A**

NO SCALE

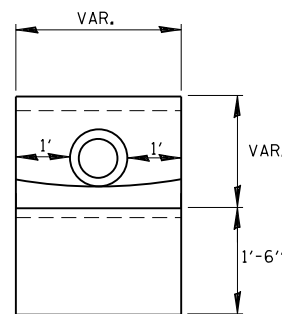
\* IF A 4" COVER CAN NOT BE PROVIDED A PAVED DITCH SHALL BE CONSTRUCTED AS SHOWN IN DETAIL C.

**NOTES**

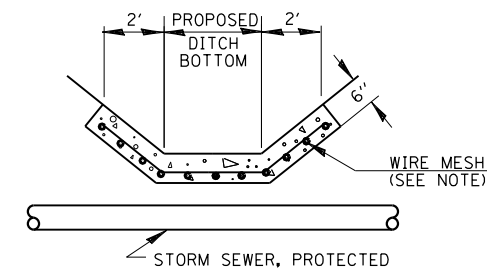
1. WIDTH OF CONCRETE SLAB SHALL BE THE SAME AS THE TRENCH WIDTH IN ACCORDANCE WITH SECTION 550 OF THE STD. SPECIFICATIONS, OR 3' MIN.
2. CONCRETE FOR SLAB, HEADWALL AND PAVED DITCH SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER CUBIC YARD FOR "MISCELLANEOUS CONCRETE."
3. COST OF FURNISHING AND INSTALLING WIRE MESH SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE PER CUBIC YARD FOR MISCELLANEOUS CONCRETE. WIRE MESH TO WEIGH NOT LESS THAN 58# PER 100 SQ. FT.

**NOTES**

1. ANY STORM SEWER OR FIELD TILE OUTLET INTO A DITCH SHALL HAVE A HEADWALL BUILT IN ACCORDANCE WITH THIS DETAIL.
2. COST OF FURNISHING AND INSTALLING WIRE MESH SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE PER CUBIC YARD FOR MISCELLANEOUS CONCRETE. WIRE MESH TO WEIGH NOT LESS THAN 58# PER 100 SQ. FT.

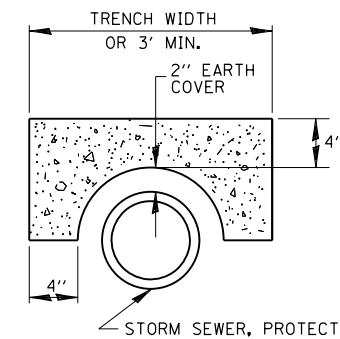


**END VIEW**

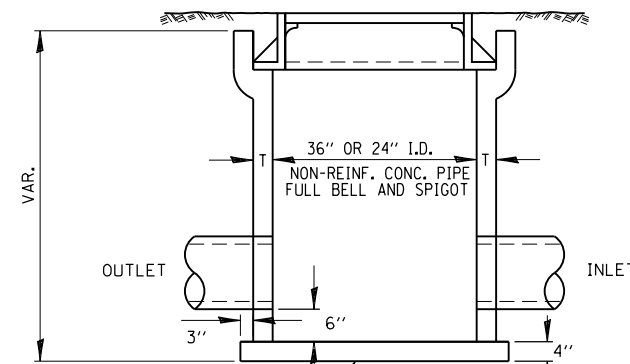


**DETAIL C**

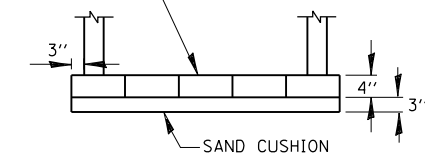
NO SCALE



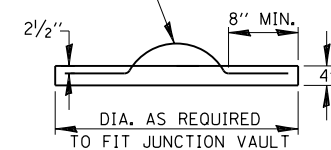
**SECTION B-B**



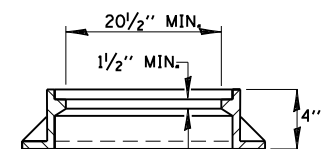
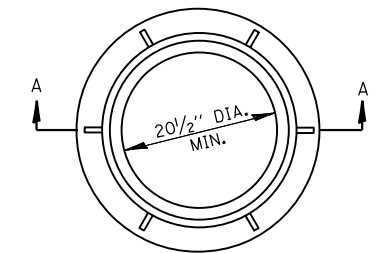
CLASS SI CONCRETE OR PRECAST REINFORCED CONCRETE SLABS NOT LESS THAN 12" WIDE



1 NO. 4 BAR LIFT LOOP



**FIELD TILE JUNCTION VAULT**



**SECTION A-A**

ALTERNATE MATERIALS FOR WALLS	T
PRECAST REINFORCED CONCRETE RISERS	4"
CONCRETE MASONRY UNIT	5"
MONOLITHIC CONCRETE	6"
BUILDING BRICK, GRADE SW FROM CLAY OR SHALE	8"
CONCRETE BUILDING BRICK, GRADE A	8"

**NOTES**

1. THE CONTRACT UNIT PRICE FOR FIELD TILE JUNCTION VAULT SHALL INCLUDE THE COST OF FURNISHING AND PLACING THE FRAME AND GRATE OR PRECAST CONCRETE LID AND WHEN REQUIRED, THE SAND CUSHION.
2. ALL FIELD TILE JUNCTION VAULTS SHALL BE 2'-0" IN DIAMETER UNLESS OTHERWISE NOTED ON THE PLANS.

FILE NAME =	USER NAME = duncanbd	DESIGNED -	REVISED -
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	PLOT DATE = 8/3/2016	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

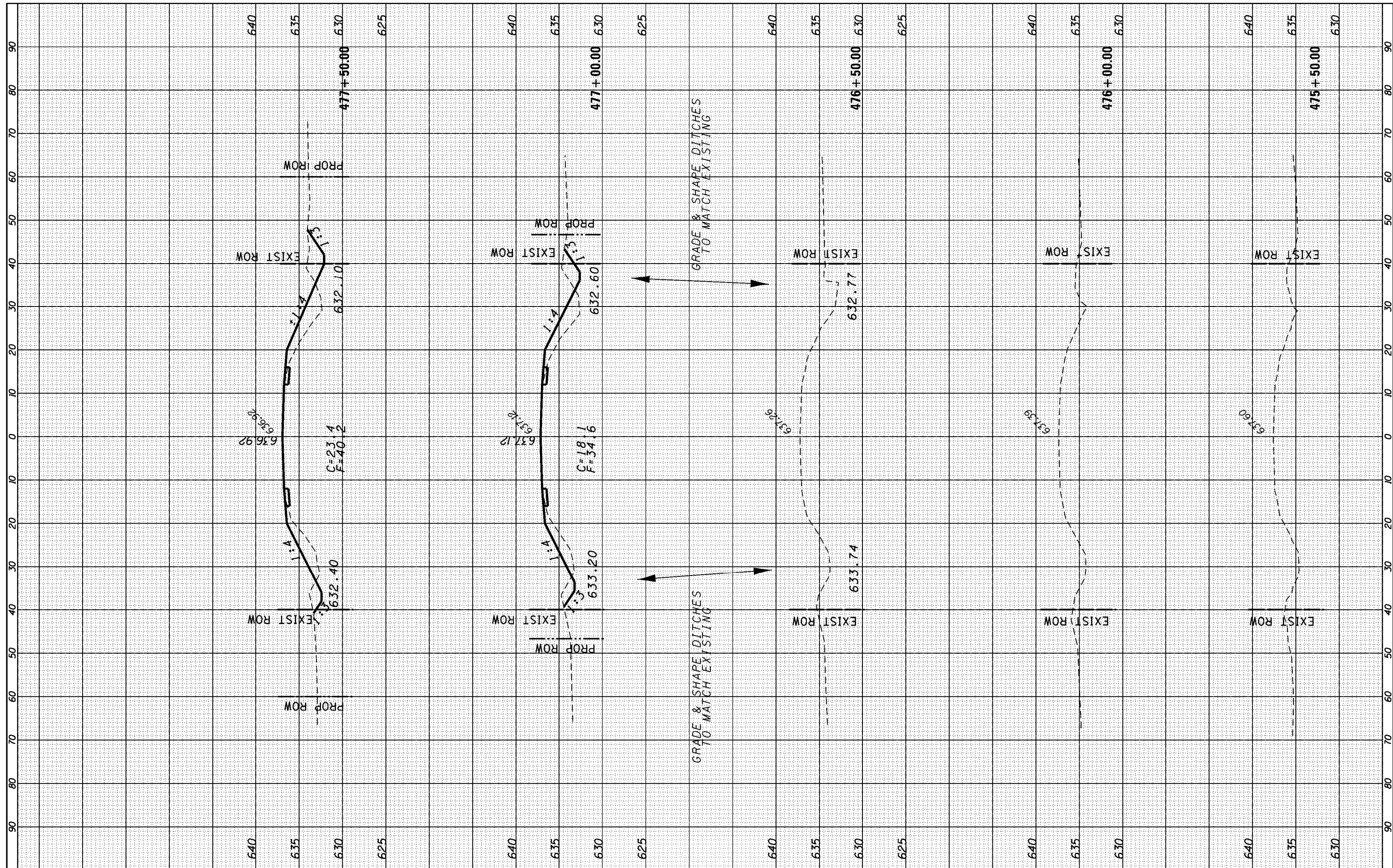
**DETAILS**

SCALE: SHEET NO. 3 OF 3 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
607	125BR, BR-1, BR-2	LASALLE	83	71
CONTRACT NO. 66D49				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

FINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE



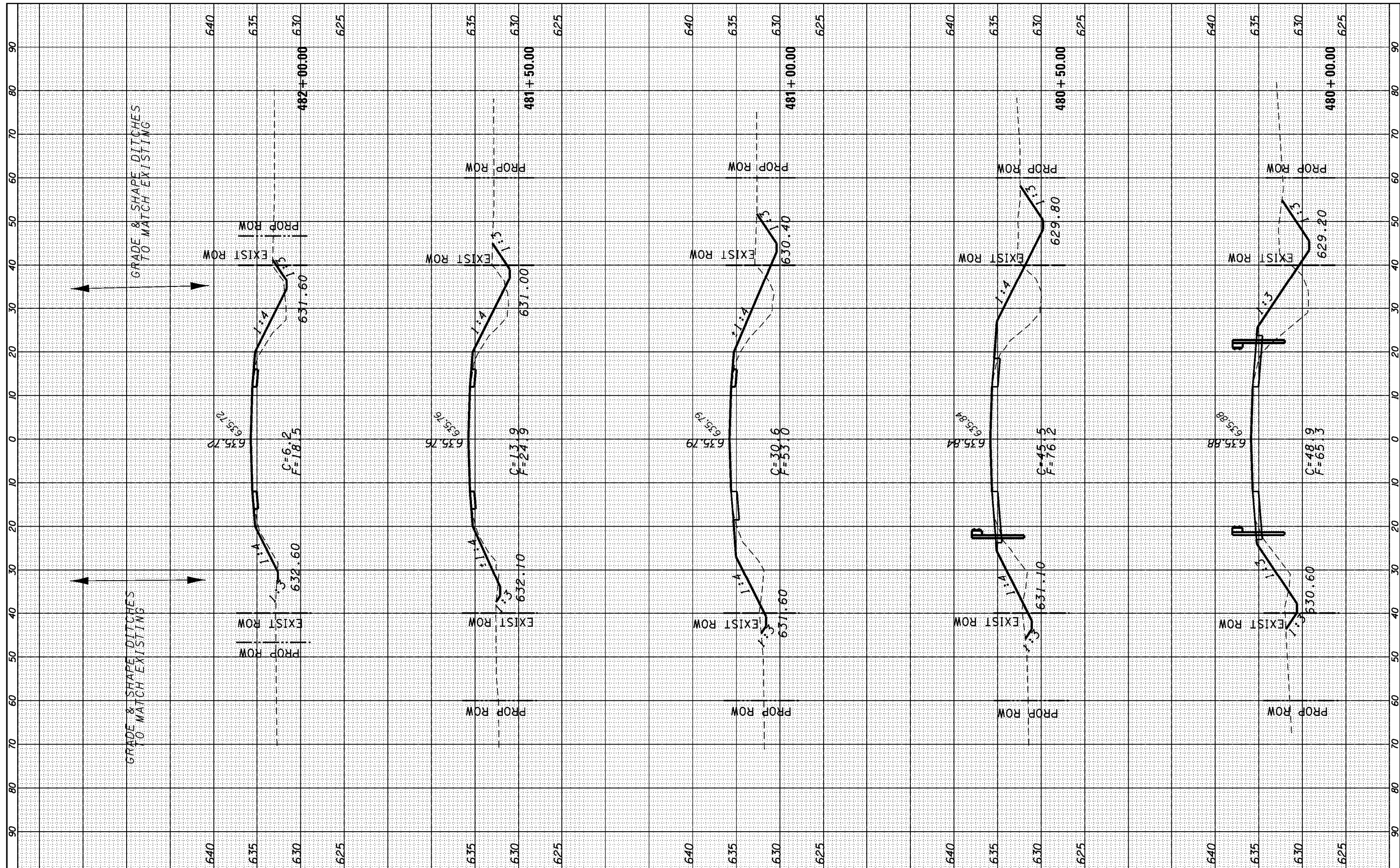
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		CHECKED -	REVISED -								
		DATE -	REVISED -								





DATE	BY
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NOTE BOOK	
AREAS CHECKED	
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DATE	BY
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
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 PLOT SCALE = 28.0000' / in.  
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 PLOT DATE = 8/3/2016

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STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

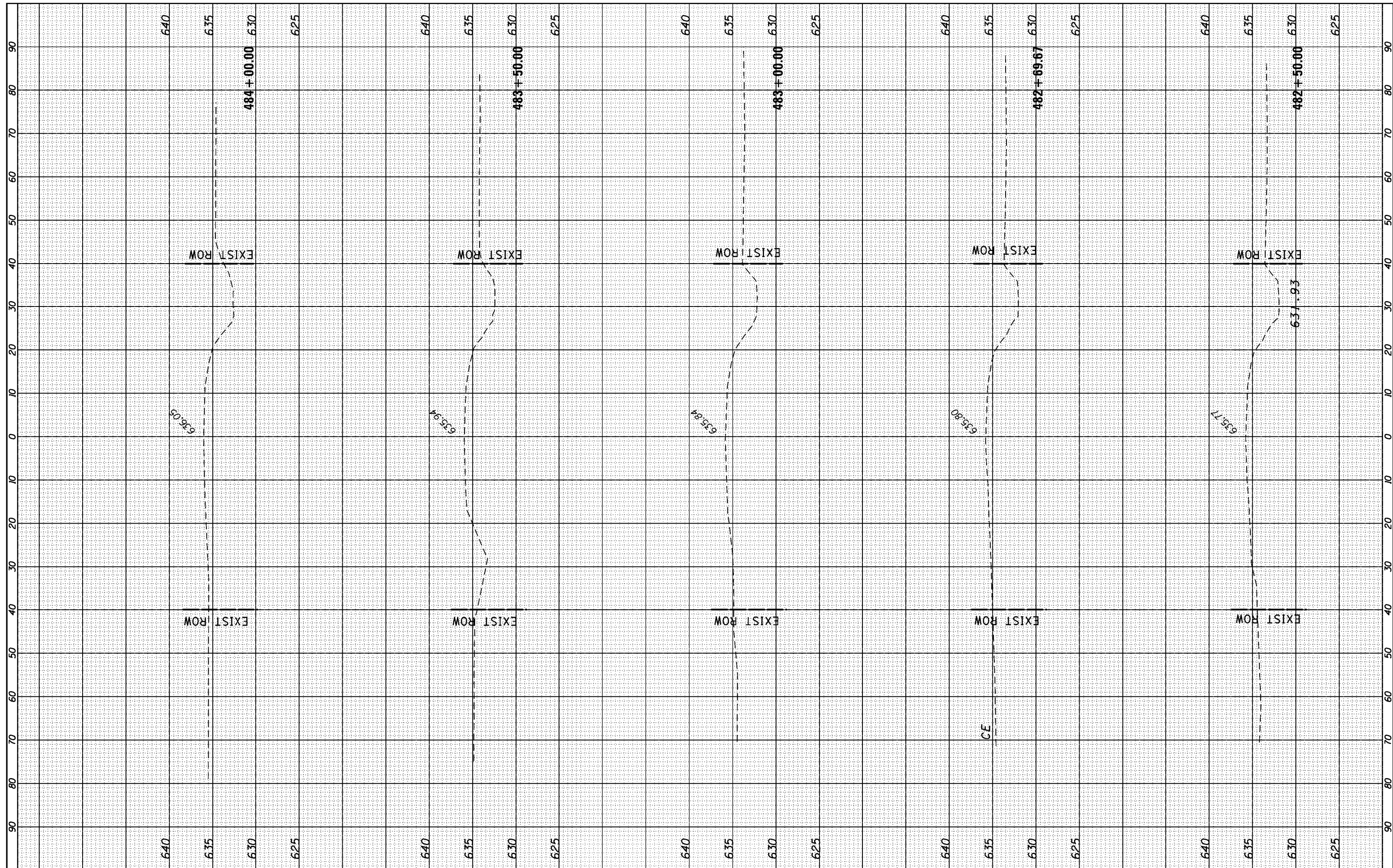
SN 050-0152  
 CROSS SECTIONS  
 SCALE: SHEET 3 OF 4 SHEETS STA. 480+00.00 TO STA. 482+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
607	125BR, BR-1, BR-2	LASALLE	83	74
CONTRACT NO. 66D49			ILLINOIS FED. AID PROJECT	



FINAL SURVEY NO.	SURVEYED	DATE
NOTE BOOK	PLOTTED	
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	AREAS CHECKED	

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



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 PLOT DATE = 8/3/2016

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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

050-0152  
**CROSS SECTIONS**  
 SCALE: SHEET 4 OF 4 SHEETS STA. 482+50.00 TO STA. 484+00.00

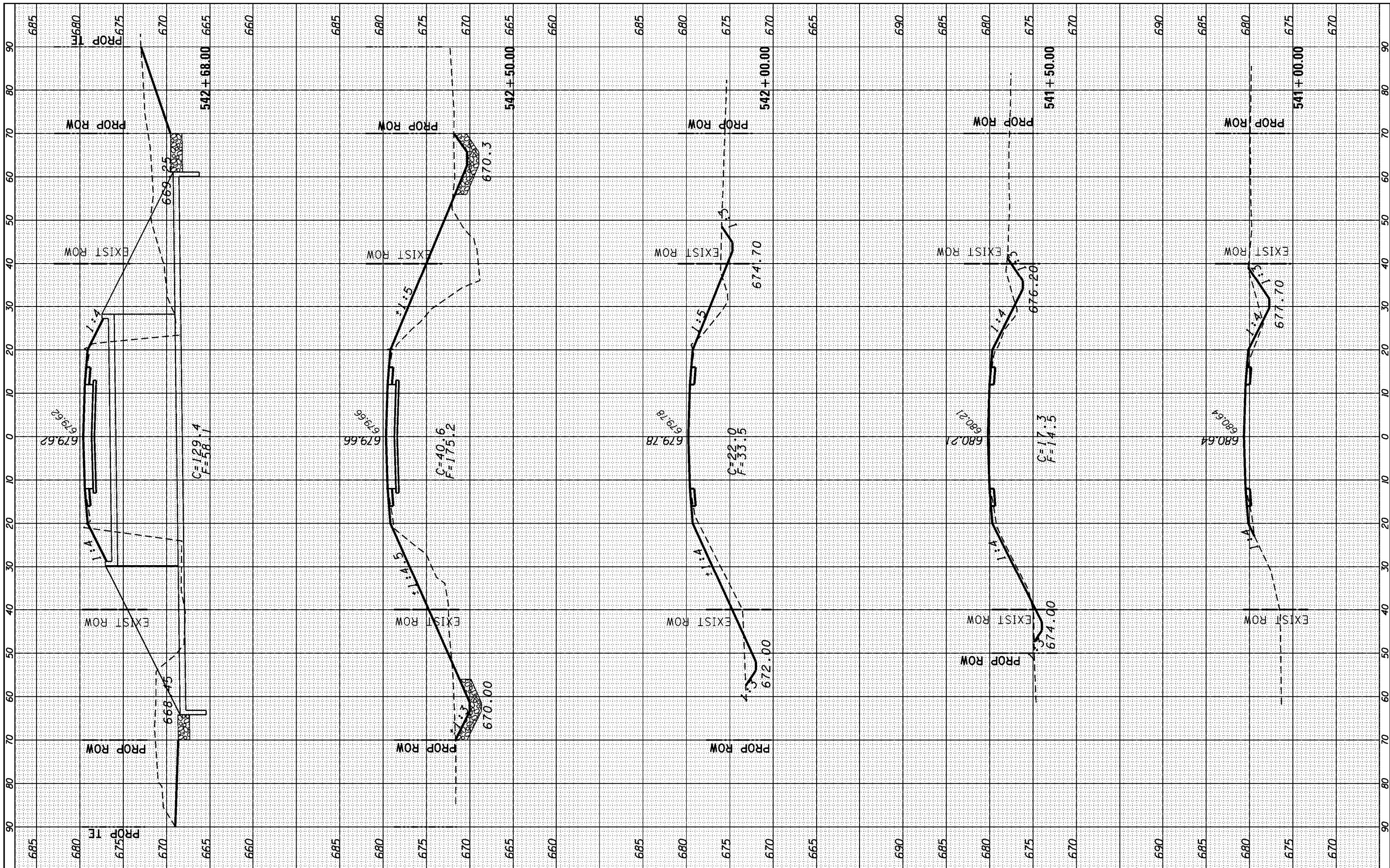
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607	125BR, BR-1, BR-2	LASALLE	83	75
CONTRACT NO. 66D49			ILLINOIS FED. AID PROJECT	





FINAL SURVEY NO.	SURVEYED	DATE
	PLOTTED	
	TEMPLATE	
	AREAS CHECKED	

ORIGINAL SURVEY NO.	SURVEYED	DATE
	PLOTTED	
	TEMPLATE	
	AREAS CHECKED	



FILE NAME =  
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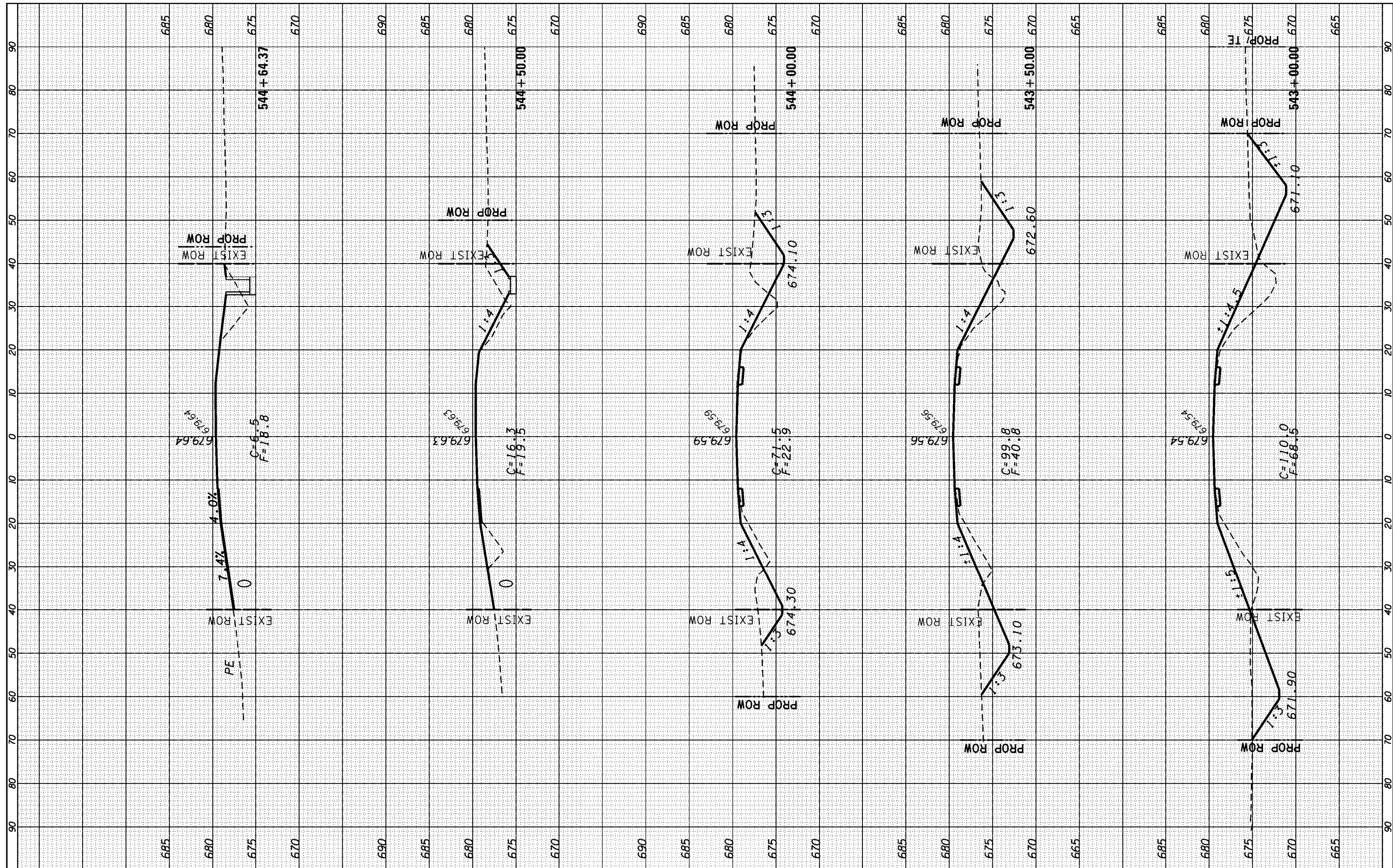
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

SN 050-0151  
**CROSS SECTIONS**  
 SCALE: SHEET 2 OF 5 SHEETS STA. 541+00.00 TO STA. 542+68.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
607	125BR, BR-1, BR-2	LASALLE	83	77
CONTRACT NO. 66D49			ILLINOIS FED. AID PROJECT	

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

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



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 PLOT SCALE = 28.0000' / in.  
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STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

SN 050-0151  
 CROSS SECTIONS

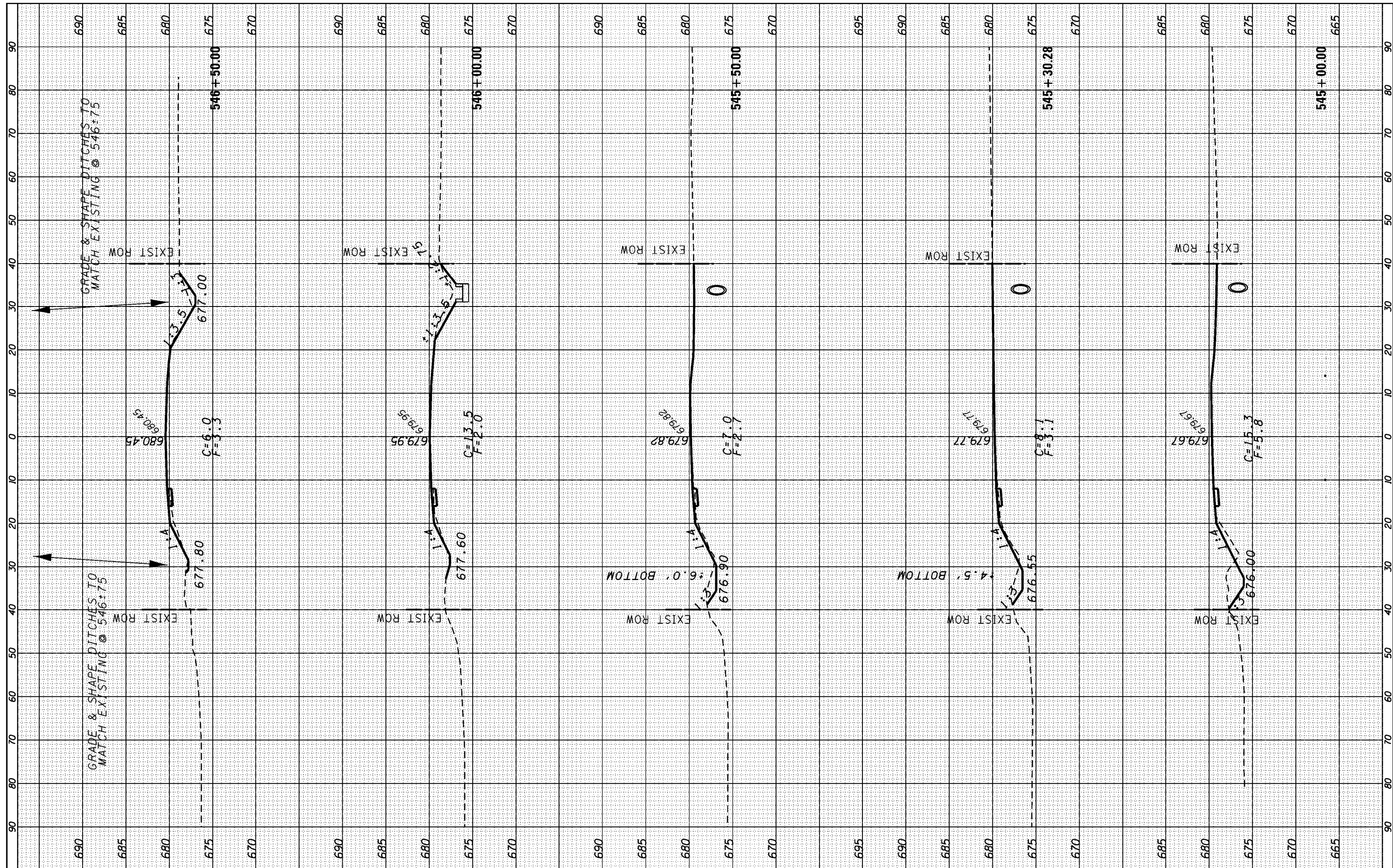
SCALE: SHEET 3 OF 5 SHEETS STA. 543+00.00 TO STA. 544+64.37

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
607	125BR, BR-1, BR-2	LASALLE	83	78
CONTRACT NO. 66D49			ILLINOIS FED. AID PROJECT	



FINAL SURVEY NO.	SURVEYED	DATE
	PLOTTED	
	TEMPLATE	
	AREAS CHECKED	

ORIGINAL SURVEY NO.	SURVEYED	DATE
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FILE NAME =  
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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**SN 050-0151  
 CROSS SECTIONS**

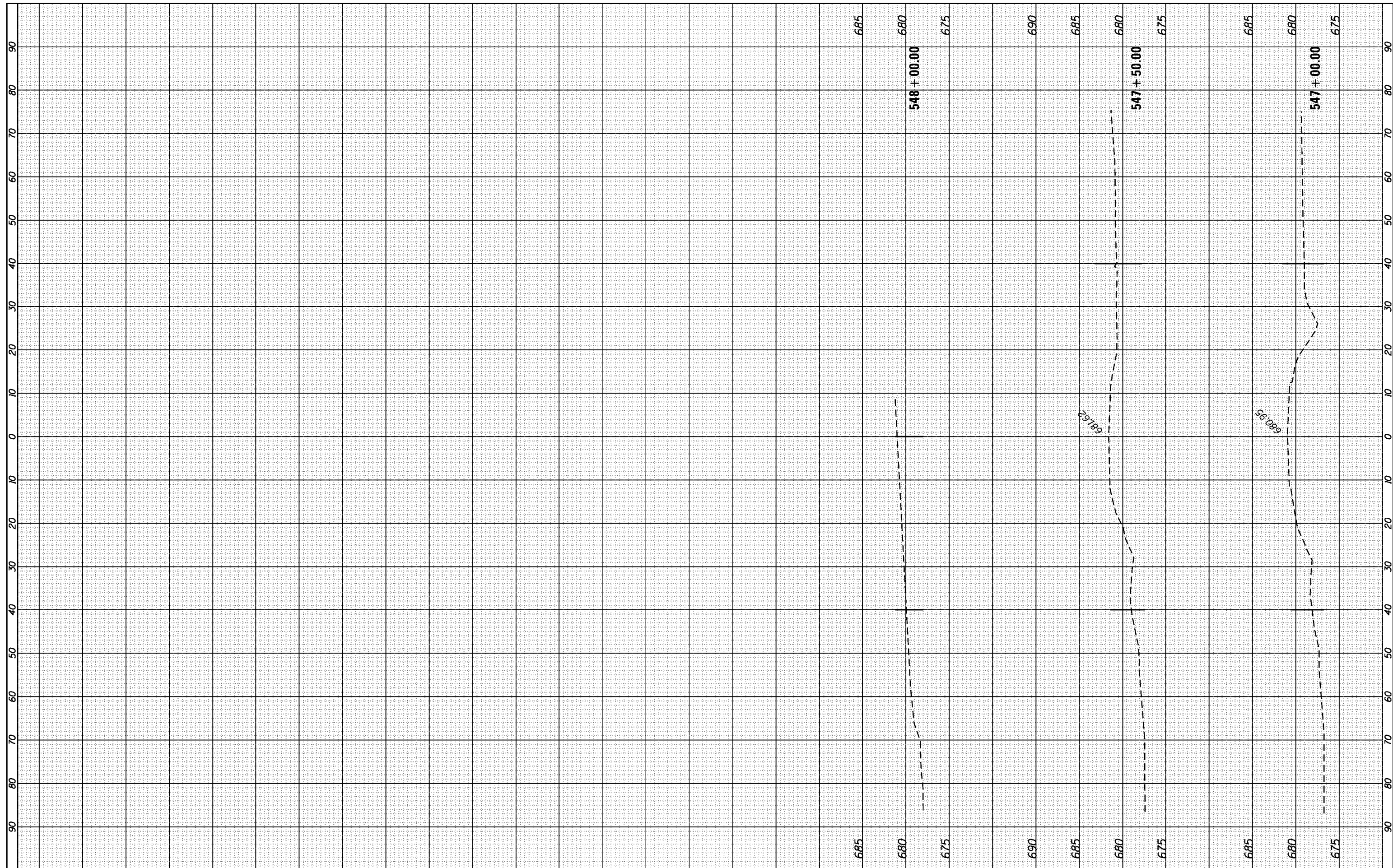
SCALE: SHEET 4 OF 5 SHEETS STA. 545+00.00 TO STA. 546+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
607	125BR, BR-1, BR-2	LASALLE	83	79
CONTRACT NO. 66D49				

ILLINOIS FED. AID PROJECT

FINAL SURVEY NO.	SURVEYED	BY	DATE
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ORIGINAL SURVEY NO.	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**SN 050-0151  
 CROSS SECTIONS**

SCALE: SHEET 5 OF 5 SHEETS STA. 547+00.00 TO STA. 548+00.00

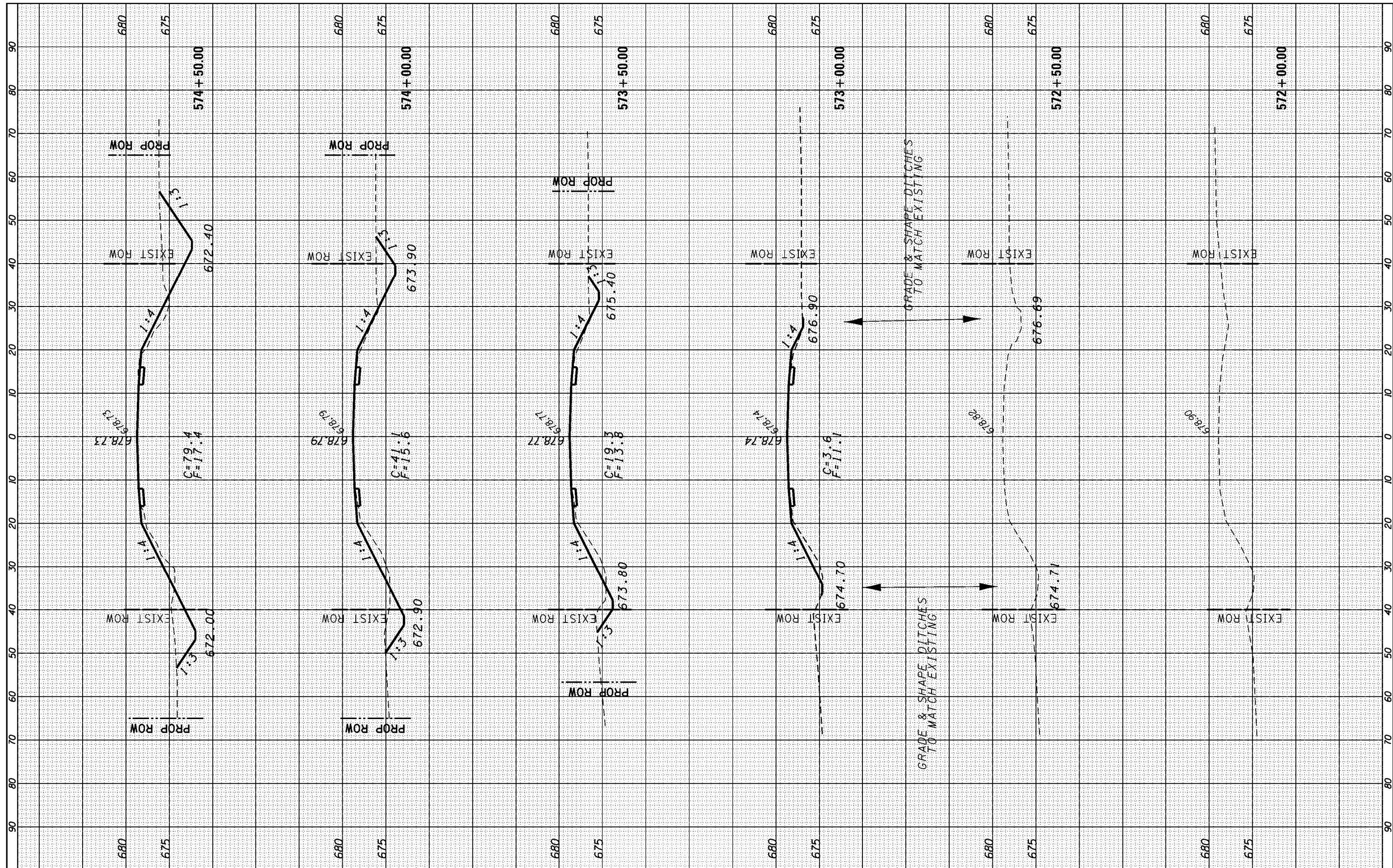
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
607	125BR, BR-1, BR-2	LASALLE	83	80
CONTRACT NO. 66D49				

ILLINOIS FED. AID PROJECT



FINAL SURVEY NO.	SURVEYED	DATE
NOTE BOOK	PLOTTED	
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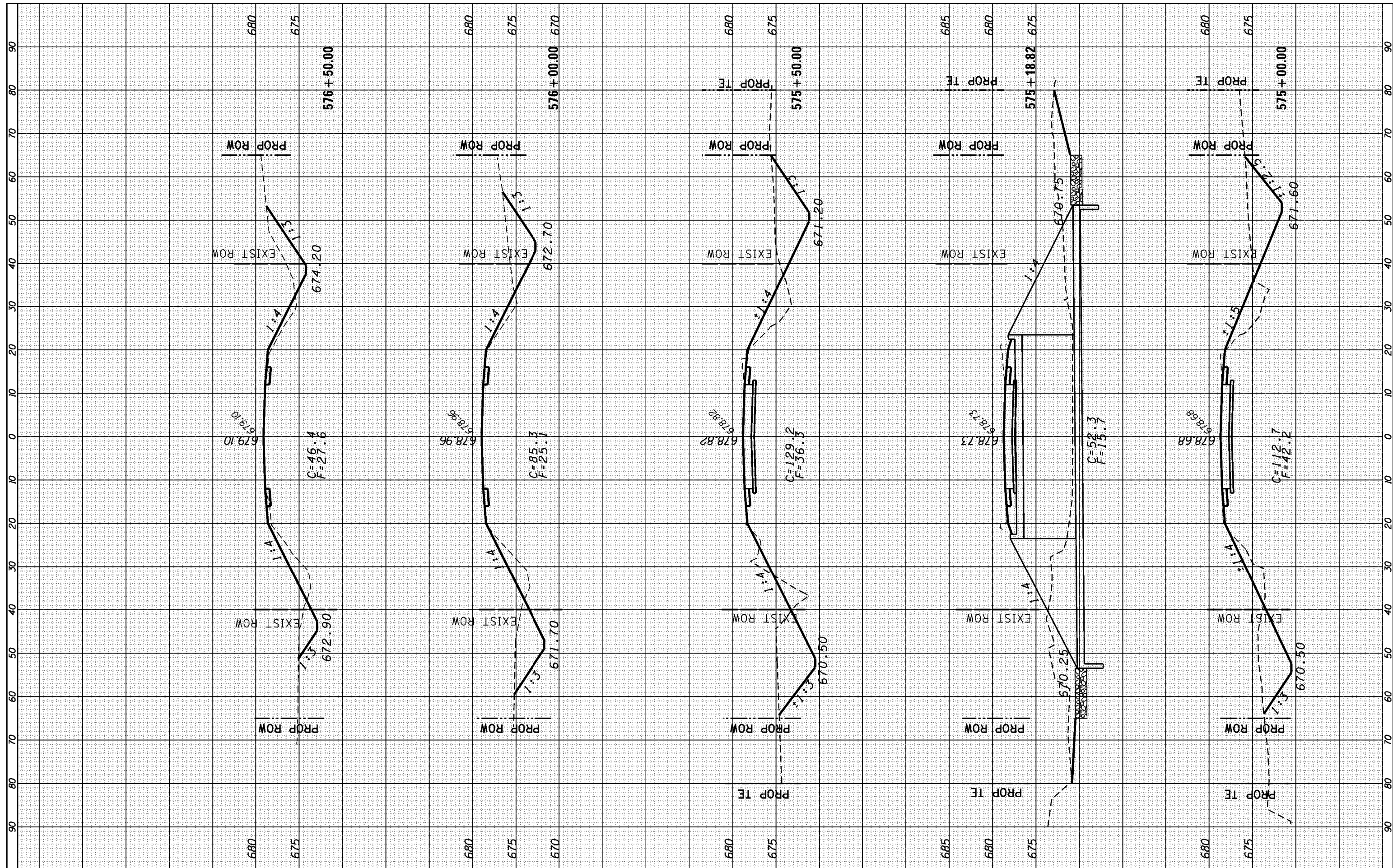


FILE NAME =	USER NAME = duncanbd	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>SN 050-0060</b> <b>CROSS SECTIONS</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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	PLOT SCALE = 28.0000' / in.	DATE -	REVISED -			CONTRACT NO. 66D49					
	PLOT DATE = 8/3/2016					ILLINOIS FED. AID PROJECT					

SCALE: SHEET 1 OF 3 SHEETS STA. 572+00.00 TO STA. 574+50.00

FINAL SURVEY NO.	SURVEYED	DATE
NOTE BOOK NO.	PLOTTED	
AREAS CHECKED	TEMPLATE	
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ORIGINAL SURVEY NO.	SURVEYED	DATE
NOTE BOOK NO.	PLOTTED	
AREAS CHECKED	TEMPLATE	
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FILE NAME =  
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 REVISIONS -  
 PLOT SCALE = 28.0000' / in.  
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 PLOT DATE = 8/3/2016

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STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

SN 050-0060  
 CROSS SECTIONS  
 SCALE: SHEET 2 OF 3 SHEETS STA. 575+00.00 TO STA. 576+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
607	125BR, BR-1, BR-2	LASALLE	83	82
CONTRACT NO. 66D49			ILLINOIS FED. AID PROJECT	



