

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.P. ATE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	(30,31)RS-2	MCLEAN	60	1
		ILLINOIS	CONTRACT NO. 70988	

INDEX OF SHEETS

- 1 COVER SHEET
- 2 LIST OF STANDARDS & COMMITMENTS & GENERAL NOTES
- 3-7 SUMMARY OF QUANTITIES
- 8-12 TYPICAL SECTIONS
- 13-16 SCHEDULE OF QUANTITIES
- 17 TIE POINTS & BENCHMARKS
- 18-27 PLAN SHEETS
- 28 PLAN AND PROFILE FOR PROPOSED SN 057-8235
- 29-30 STAGING SHEETS
- 31-37 DETAILS FOR PROPOSED SN 057-8235
- 38-40 WIDTH RESTRICTION SIGNING
- 41-55 DISTRICT DETAILS
- 56-60 CROSS SECTIONS

**PROPOSED
HIGHWAY PLANS**

FAP ROUTE 317 (US 24)
SECTION (30,31)RS-2
PROJECT NHPP-VHF1(486)
3P RESURFACING - STANDARD OVERLAY
MCLEAN COUNTY

C-95-012-14

WOODFORD COUNTY LINE TO MCLEAN STREET IN GRIDLEY

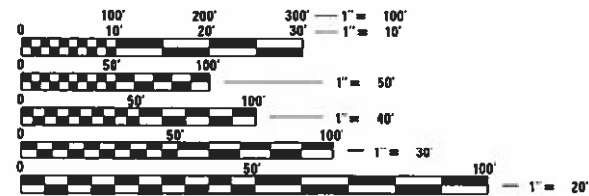
FOR LIST OF HIGHWAY STANDARDS, SEE SHEET NO. 2

TRAFFIC DATA

2021 ADT = 3800
2041 ADT = 4200
PV% = 77.6%
SU% = 8.6%
MU% = 13.8%

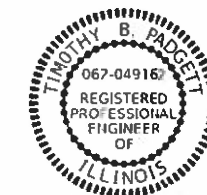
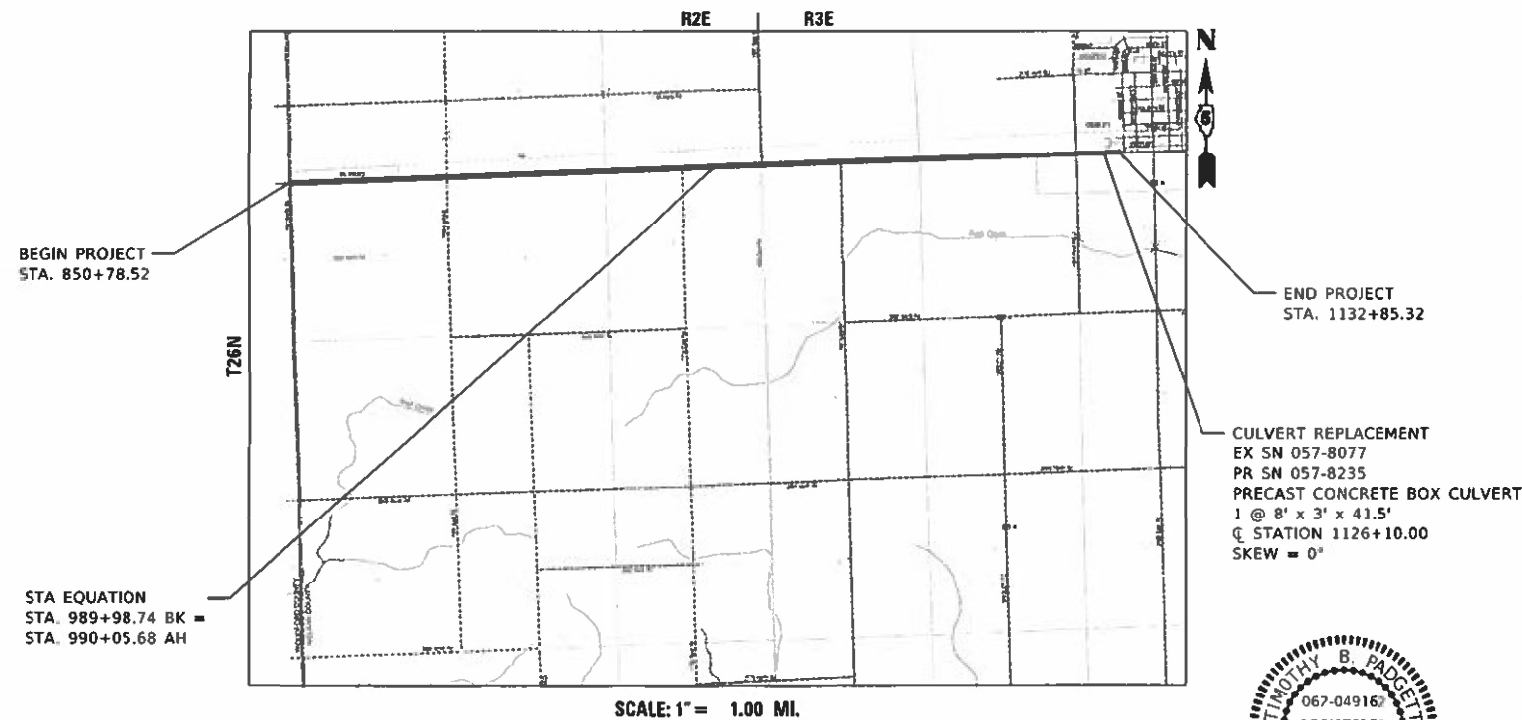
FUNCTIONAL CLASSIFICATION

OTHER PRINCIPAL ARTERIAL

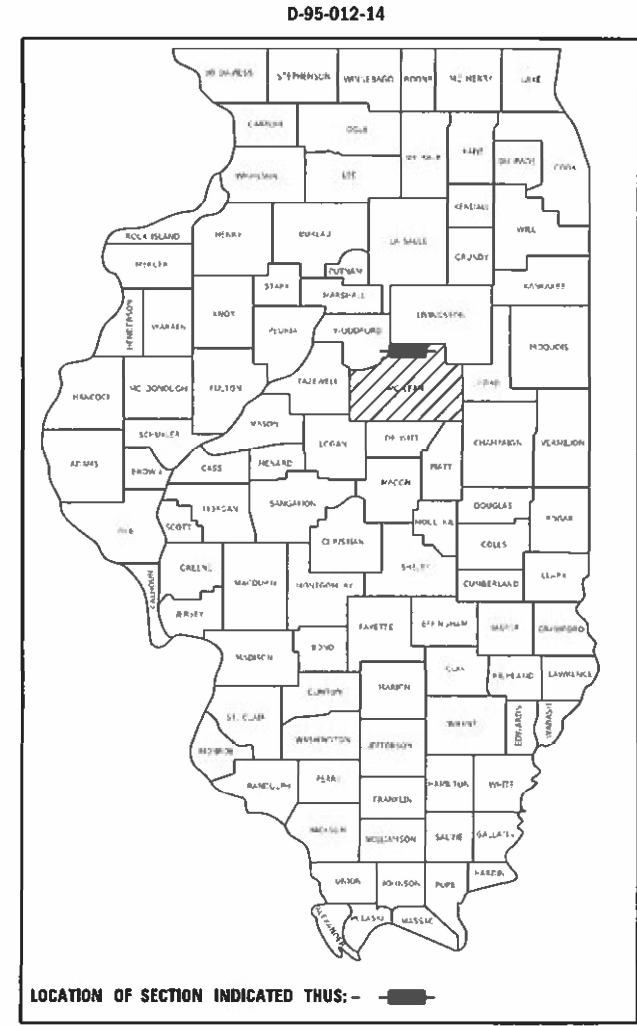


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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



TIMOTHY B. PADGETT, PE EXPIRATION DATE
LICENSE NO. 067-049162 2-28-2022



PLANS PREPARED BY:

TWM
ENGINEERING
GEOSPATIAL SERVICES

4940 Old Collinsville Road
Swansea, Illinois 62226
Tel: 618.624.4488
www.twm-inc.com

Illinois Professional
Design Firm
No. 184-001220
License Expires: 04/30/2023

ILLINOIS - MISSOURI - TENNESSEE

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED 12/15/20 21
Kennil A. Garnett REGIONAL ENGINEER

February 4, 20 22
Stephen M. Padgett ENGINEER OF DESIGN AND ENVIRONMENT

February 4, 20 22
Stephen M. Padgett DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

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OF THE STATE OF ILLINOIS**

PHONE NUMBER: (217) 465-4181
PROJECT ENGINEER: RYAN T. CARROLL
CONTRACT NO. 70988

GROSS LENGTH = 28199.86 FT. = 5.341 MILE
NET LENGTH = 28199.86 FT. = 5.341 MILE

GENERAL NOTES

G.N. - 100A
ELECTRONIC FILES AND/OR ELECTRONIC SURVEY INFORMATION INCLUDING CADD FILES WILL NOT BE AVAILABLE TO THE CONTRACTOR.

G.N. - 105.09A
ALL ELEVATIONS SHOWN IN THE PLANS ARE BASED ON NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88).

G.N. - 406H
MIXTURE REQUIREMENTS

THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE FOR THE PROJECT:

LOCATION	US 24	US 24	US 24	US 24
MIXTURE USE	BINDER	SURFACE	CLASS D	INCIDENTAL
AC/PG	PG 64-22	PG 64-22	PG 64-22	PG 64-22
DESIGN AIR VOIDS	4.0% @ NDES=70	4.0% @ NDES=70	4.0% @ NDES=70	4.0% @ NDES=70
MIX COMP (GRADATION)	IL 9.5 FG	IL 9.5	IL 19.0	IL 9.5
FRICTION AGGREGATE	N.A.	MIX C	N.A.	MIX C
MIXTURE WEIGHT	112	112	112	112
QUALITY MANAGEMENT PROGRAM	QCP	QCP	QC/QA	QC/QA
SUBLOT SIZE	1000	1000	N.A.	N.A.

G.N. - 542.07
AT LOCATIONS WHERE END SECTIONS ARE SPECIFIED, CAST-IN-PLACE CONCRETE HEADWALLS WILL NOT BE ALLOWED.

G.N. - 663A (MODIFIED)
CALCIUM CHLORIDE SHALL BE APPLIED FOR AGGREGATE SHOULDERS DURING STAGE CONSTRUCTION FOR THE SOLE PURPOSE OF CONTROLLING DUST. THIS WORK SHALL BE PERFORMED ON ALL FINAL SURFACES AS WELL AS ANY REMAINING AGGREGATE SURFACES THAT WOULD LAY OVER ANY PARTICULAR WEEKEND.

THE FOLLOWING APPLICATION RATE HAS BEEN USED TO CALCULATE THIS ESTIMATEED QUANTITY: 5LBS/SQ YD.

ANY ADDITIONAL QUANTITY FOR MAINTENANCE WILL BE PAID FOR IN ACCORDANCE WITH ARTICLE 109.04 WHEN SPECIFIED BY THE ENGINEER.

G.N. - 703A
SHORT TERM PAVEMENT MARKING SHALL BE APPLIED TO THE PAVEMENT AFTER ANY OF THE FOLLOWING:
COLD MILLING AND/OR PLACING BITUMINOUS MATERIALS (TACK COAT), LEVELING BINDER (MACHINE METHOD), BINDER AND SURFACE COURSES.

SHORT TERM PAVEMENT MARKING PLACED ON THE SURFACE SHALL COINCIDE WITH THE FINAL PAVEMENT STRIPING.

SHORT TERM PAVEMENT MARKING PLACED PRIOR TO THE SURFACE SHALL COINCIDE WITH THE EXISTING PAVEMENT MARKINGS.

USE 4 FEET PER 40 FEET (OR 10% PER STATION).

G.N. - 781
THE FINAL PAVEMENT MARKINGS SHALL BE IN PLACE PRIOR TO PLACING THE RAISED REFLECTIVE PAVEMENT MARKERS.

LIST OF STANDARDS

000001-08	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
420001-10	PAVEMENT JOINTS
420701-03	PAVEMENT WELDED WIRE REINFORCEMENT
442201-03	CLASS C AND D PATCHES
515001-04	NAME PLATE FOR BRIDGES
667101-02	PERMANENT SURVEY MARKERS
701001-02	OFF-RD OPERATIONS, 2L, 2W, MORE THAN 15' (4.5M) AWAY
701006-05	OFF-RD OPERATIONS, 2L, 2W, 15' (4.5M) TO 24" (600mm) FROM PAVEMENT EDGE
701011-04	OFF-RD MOVING OPERATIONS, 2L, 2W, DAY ONLY
701201-05	LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS ≥ 45 MPH
701206-05	LANE CLOSURE, 2L, 2W, NIGHT ONLY, FOR SPEEDS ≥ 45 MPH
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701306-04	LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY, FOR SPEEDS ≥ 45 MPH
701311-03	LANE CLOSURE, 2L, 2W, MOVING OPERATIONS DAY ONLY
701336-07	LANE CLOSURE, 2L, 2W, WORK AREAS IN SERIES, FOR SPEEDS ≥ 45 MPH
701501-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701901-08	TRAFFIC CONTROL DEVICES
780001-05	TYPICAL PAVEMENT MARKINGS
781001-04	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS

STRUCTURE INFORMATION

BASED ON STRUCTURAL ANALYSIS, THE FOLLOWING STRUCTURES CAN BE CROSSED WITH AN EMPTY MATERIAL TRANSFER DEVICE WITH THE FOLLOWING MAXIMUM GROSS WEIGHT RESTRICTIONS:

SN 057-8068 (40 TONS)
SN 057-8071 (40 TONS)
SN 057-8073 (32 TONS)
SN 057-8074 (40 TONS)
SN 057-8077 (32 TONS)
SN 057-8222 (40 TONS)
SN 057-8223 (40 TONS)
SN 057-8224 (40 TONS)

COMMITMENTS

THERE ARE NO COMMITMENTS FOR THIS CONTRACT.

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184-001220

USER NAME = bbillhartz
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REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LIST OF STANDARDS & COMMITMENTS & GENERAL NOTES

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	(30, 31)RS-2	MCLEAN	60	2
CONTRACT NO. 70988			ILLINOIS FED. AID PROJECT	

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CODE NO.	PAY ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				FAP 317 (US 24)	FAP 317 (US 24)
				CULVERT NO. 1	ROADWAY
				STA. 1126+10	STA. 850+78.52 TO STA. 1132+85.32
				SN 057-8235	
				MCLEAN COUNTY	MCLEAN COUNTY
				80% FEDERAL / 20% STATE	80% FEDERAL / 20% STATE
				0004	0005
				RURAL	RURAL
20200100	EARTH EXCAVATION	CU YD	80	80	
20700220	POROUS GRANULAR EMBANKMENT	CU YD	57	57	
25000210	SEEDING, CLASS 2A	ACRE	0.5	0.5	
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	45	45	
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	45	45	
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	45	45	
25100115	MULCH, METHOD 2	ACRE	0.5	0.5	
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	100	100	
28000305	TEMPORARY DITCH CHECKS	FOOT	44	44	
28000400	PERIMETER EROSION BARRIER	FOOT	200	200	
28000500	INLET AND PIPE PROTECTION	EACH	1	1	
28100201	STONE RIPRAP, CLASS A1	TON	52	52	
40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	50		50



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PLOT DATE = 12/15/2021	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

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

F.A.P. RTE. 317	SECTION (30, 31)RS-2	COUNTY MCLEAN	TOTAL SHEETS 60	SHEET NO. 3
CONTRACT NO. 70988			ILLINOIS FED. AID PROJECT	

CONSTRUCTION CODE	
FAP 317 (US 24)	FAP 317 (US 24)
CULVERT NO. 1	ROADWAY
STA. 1126+10	STA. 850+78.52 TO STA. 1132+85.32
SN 057-8235	
MCLEAN COUNTY	MCLEAN COUNTY
80% FEDERAL / 20% STATE	80% FEDERAL / 20% STATE
0004	0005
RURAL	RURAL

CODE NO.	PAY ITEM	UNIT	TOTAL QUANTITY		
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	54990		54990
40600370	LONGITUDINAL JOINT SEALANT	FOOT	28200		28200
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	157		157
40602970	HOT-MIX ASPHALT BINDER COURSE, IL-9.5FG, N70	TON	4848		4848
40604052	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "C", N70	TON	5823		5823
40800029	BITUMINOUS MATERIALS (TACK COAT)	POUND	1412		1412
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	310		310
44000155	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"	SQ YD	18836		18836
44000160	HOT-MIX ASPHALT SURFACE REMOVAL, 2 3/4"	SQ YD	68933		68933
44200050	WELDED WIRE REINFORCEMENT	SQ YD	68	68	
44201409	CLASS C PATCHES, TYPE IV, 14 INCH	SQ YD	68	68	
44201815	CLASS D PATCHES, TYPE II, 14 INCH	SQ YD	749		749
44201819	CLASS D PATCHES, TYPE III, 14 INCH	SQ YD	138		138

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PLOT DATE = 12/15/2021	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: N.T.S. SHEET 2 OF 5 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	(30, 31)RS-2	MCLEAN	60	4
			CONTRACT NO. 70988	
		ILLINOIS	FED. AID PROJECT	

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CODE NO.	PAY ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				FAP 317 (US 24)	FAP 317 (US 24)
				CULVERT NO. 1	ROADWAY
				STA. 1126+10	STA. 850+78.52 TO STA. 1132+85.32
				SN 057-8235	
				MCLEAN COUNTY	MCLEAN COUNTY
				80% FEDERAL / 20% STATE	80% FEDERAL / 20% STATE
				0004	0005
				RURAL	RURAL
44213204	TIE BARS 3/4"	EACH	11	11	
48101500	AGGREGATE SHOULDERS, TYPE B 6"	SQ YD	369	369	
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	5559		5559
48203003	HOT-MIX ASPHALT SHOULDERS, 1 1/2"	SQ YD	18800		18800
50100300	REMOVAL OF EXISTING STRUCTURES NO. 1	EACH	1	1	
51500100	NAME PLATES	EACH	1	1	
52200020	TEMPORARY SOIL RETENTION SYSTEM	SQ FT	56	56	
54001001	BOX CULVERT END SECTIONS, CULVERT NO. 1	EACH	2	2	
54010803	PRECAST CONCRETE BOX CULVERTS 8' X 3'	FOOT	42	42	
54260315	TRAVERSABLE PIPE GRATE FOR CONCRETE END SECTION	FOOT	95	95	
59100100	GEOCOMPOSITE WALL DRAIN	SQ YD	59	59	
64200108	SHOULDER RUMBLE STRIPS, 8 INCH	FOOT	54033		54033
66300105	CALCIUM CHLORIDE APPLIED	TON	1	1	



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

F.A.P. RTE. 317	SECTION (30, 31)RS-2	COUNTY MCLEAN	TOTAL SHEETS 60	SHEET NO. 5
ILLINOIS FED. AID PROJECT			CONTRACT NO. 70988	

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CODE NO.	PAY ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				FAP 317 (US 24)	FAP 317 (US 24)
				CULVERT NO. 1	ROADWAY
				STA. 1126+10	STA. 850+78.52 TO STA. 1132+85.32
				SN 057-8235	
				MCLEAN COUNTY	MCLEAN COUNTY
				80% FEDERAL / 20% STATE	80% FEDERAL / 20% STATE
				0004	0005
				RURAL	RURAL
67000500	ENGINEER'S FIELD OFFICE, TYPE B	CAL MO	6		6
67100100	MOBILIZATION	L SUM	1		1
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1		1
70100455	TRAFFIC CONTROL AND PROTECTION, STANDARD 701206	L SUM	1		1
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1		1
70100600	TRAFFIC CONTROL AND PROTECTION, STANDARD 701336	L SUM	1		1
70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1		1
70107025	CHANGEABLE MESSAGE SIGN	CAL DA	18		18
70200100	NIGHTTIME WORK ZONE LIGHTING	L SUM	1	1	
70300100	SHORT TERM PAVEMENT MARKING	FOOT	8460		8460
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	940		940
70300221	TEMPORARY PAVEMENT MARKING - LINE 4" - PAINT	FOOT	62655		62655
* 78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	62655		62655

*= SPECIALTY ITEM



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES			
SCALE: N.T.S.	SHEET 4	OF 5 SHEETS	STA. TO STA.

F.A.P. RTE. 317	SECTION (30, 31)RS-2	COUNTY MCLEAN	TOTAL SHEETS 60	SHEET NO. 6
ILLINOIS FED. AID PROJECT			CONTRACT NO. 70988	

CONSTRUCTION CODE	
FAP 317 (US 24)	FAP 317 (US 24)
CULVERT NO. 1	ROADWAY
STA. 1126+10	STA. 850+78.52 TO STA. 1132+85.32
SN 057-8235	
MCLEAN COUNTY	MCLEAN COUNTY
80% FEDERAL / 20% STATE	80% FEDERAL / 20% STATE
0004	0005
RURAL	RURAL

CODE NO.	PAY ITEM	UNIT	TOTAL QUANTITY		
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	352		352
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	352		352
78300202	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	20885		20885
X0900064	MEMBRANE WATERPROOFING SYSTEM FOR BURIED STRUCTURES	SQ YD	59	59	
X4400196	HOT-MIX ASPHALT SURFACE REMOVAL, SPECIAL	SQ YD	2161		2161
X7200201	WIDTH RESTRICTION SIGNING	L SUM	1		1
* XZ193400	SURVEY MARKER, TYPE 2 (SPECIAL)	EACH	2		2
Z0013798	CONSTRUCTION LAYOUT	L SUM	1		1
* Z0038700	PERMANENT BENCH MARKS	EACH	1	1	
* Z0070100	SURVEY MONUMENT COVER ASSEMBLY	EACH	3		3
* Z0070202	SURVEY MARKER VAULT	EACH	1		1

*= SPECIALTY ITEM

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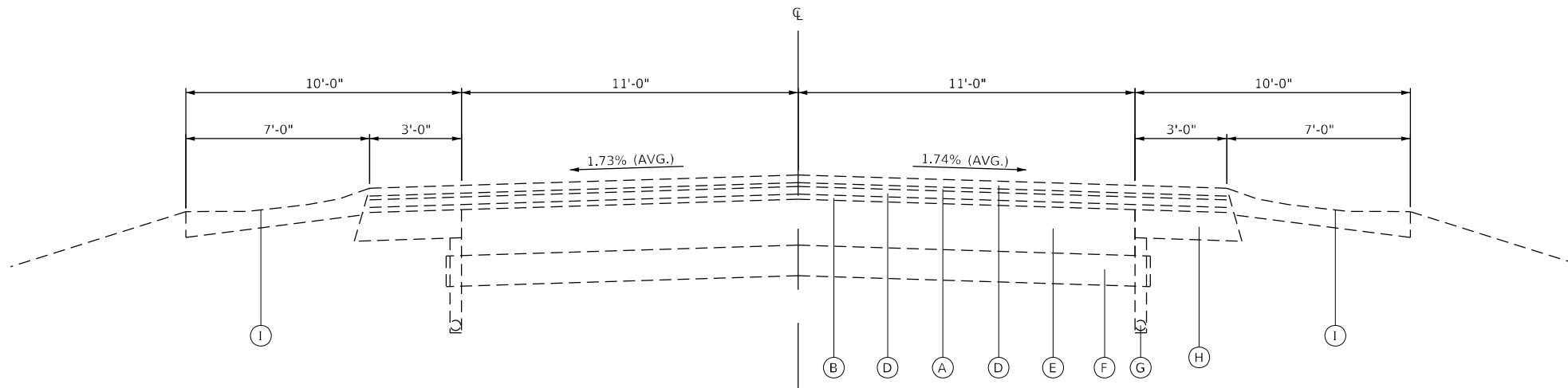
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

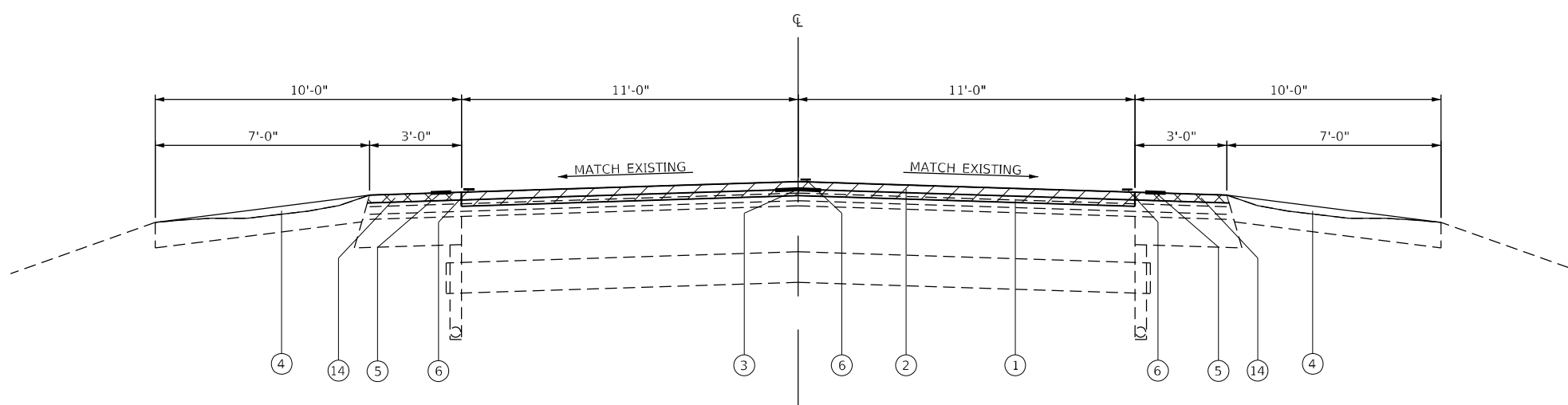
SUMMARY OF QUANTITIES

SCALE: N.T.S. SHEET 5 OF 5 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	(30, 31)RS-2	MCLEAN	60	7
			CONTRACT NO. 70988	
		ILLINOIS FED. AID PROJECT		



1 EXISTING TYPICAL SECTION 1
 STA. 850+78.52 TO STA. 903+53.50
 STA. 903+80.50 TO STA. 916+23.00
 STA. 916+49.00 TO STA. 984+46.25
 STA. 984+77.75 TO STA. 1069+97.50*
 STA. 1077+02.50 TO STA. 1086+00.00
 STA. 1098+70.00 TO STA. 1125+99.02
 STA. 1126+20.98 TO STA. 1132+85.32



1 PROPOSED TYPICAL SECTION 1
 STA. 850+78.52 TO STA. 903+53.50
 STA. 903+80.50 TO STA. 916+23.00
 STA. 916+49.00 TO STA. 984+46.25
 STA. 984+77.75 TO STA. 1069+97.50 *
 STA. 1077+02.50 TO STA. 1086+00.00
 STA. 1098+70.00 TO STA. 1125+99.02
 STA. 1126+20.98 TO STA. 1132+85.32

* STA. EQUATION STA. 989+98.74 BK = STA. 990+05.68 AH

LEGEND

- (A) EX. HMA BINDER, 0.75"
- (B) EX. HMA BINDER, 1"
- (C) EX. HMA BINDER, 1.5"
- (D) EX. HMA SURFACE, 1.5"
- (E) EX. PCC PAVEMENT, 9"
- (F) EX. SUB-BASE, 6"
- (G) EX. PIPE UNDERDRAINS, 4"
- (H) EX. BITUMINOUS SHOULDER, 5 1/2"
- (I) EX. AGGREGATE SHOULDER, TYPE B
- (J) EX. CLASS C PATCH, 9"
- (K) EX. POROUS GRANULAR EMBANKMENT
- (L) EX. 3/4" TIE BARS @ 2'-0" CENTERS
- (M) EX. AGGREGATE SHOULDERS, TYPE B, 6"
- (N) EX. POROUS GRANULAR MATERIAL
- (O) EX. PRECAST BOX CULVERT
- (P) EX. DOUBLE 36" DIA. CMP

- (1) PR. HOT-MIX ASPHALT BINDER COURSE, IL-9.5FG, N70, 140 LBS/SQ YD
- (2) PR. HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "C", N70, 168 LBS/SQ YD
- (3) PR. LONGITUDINAL JOINT SEALANT
- (4) PR. AGGREGATE WEDGE SHOULDER, TYPE B (SEE NOTE 1)
- (5) PR. SHOULDER RUMBLE STRIPS, 8"
- (6) PR. PAINT PAVEMENT MARKING
- (7) PR. CLASS C PATCH, 14"
- (8) PR. AGGREGATE SHOULDERS, TYPE B, 6"
- (9) PR. POROUS GRANULAR EMBANKMENT, VARIES 2 3/4" - 5 3/4"
- (10) PR. TIE BARS 3/4" @ 2'-0" CENTERS
- (11) PR. POROUS GRANULAR MATERIAL
- (12) PR. MEMBRANE WATERPROOFING SYSTEM FOR BURIED STRUCTURES
- (13) PR. EMBANKMENT
- (14) PR. HOT-MIX ASPHALT SHOULDERS, 1 1/2"

- HMA SURFACE REMOVAL, 2 3/4" (SEE NOTE 2)
- HMA SURFACE REMOVAL, 1 1/2" (SEE NOTE 2)

NOTE:

- 1.) PROPOSED AGGREGATE WEDGE SHOULDER USED TO REPAIR EDGE OF PAVEMENT DROP-OFF AND RUTTING.
- 2.) PROPOSED HMA SURFACE REMOVAL INCLUDES PCC PATCHES.

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PLOT DATE = 12/14/2021	DATE -	REVISED -

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 DEPARTMENT OF TRANSPORTATION**

**TYPICAL SECTIONS
 US 24**



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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	(30, 31)RS-2	MCLEAN	60	8
CONTRACT NO. 70988				
ILLINOIS FED. AID PROJECT				

LEGEND

- (A) EX. HMA BINDER, 0.75"
- (B) EX. HMA BINDER, 1"
- (C) EX. HMA BINDER, 1.5"
- (D) EX. HMA SURFACE, 1.5"
- (E) EX. PCC PAVEMENT, 9"
- (F) EX. SUB-BASE, 6"
- (G) EX. PIPE UNDERDRAINS, 4"
- (H) EX. BITUMINOUS SHOULDER, 5 1/2"
- (I) EX. AGGREGATE SHOULDER, TYPE B
- (J) EX. CLASS C PATCH, 9"
- (K) EX. POROUS GRANULAR EMBANKMENT
- (L) EX. 3/4" TIE BARS @ 2'-0" CENTERS
- (M) EX. AGGREGATE SHOULDERS, TYPE B, 6"
- (N) EX. POROUS GRANULAR MATERIAL
- (O) EX. PRECAST BOX CULVERT
- (P) EX. DOUBLE 36" DIA. CMP

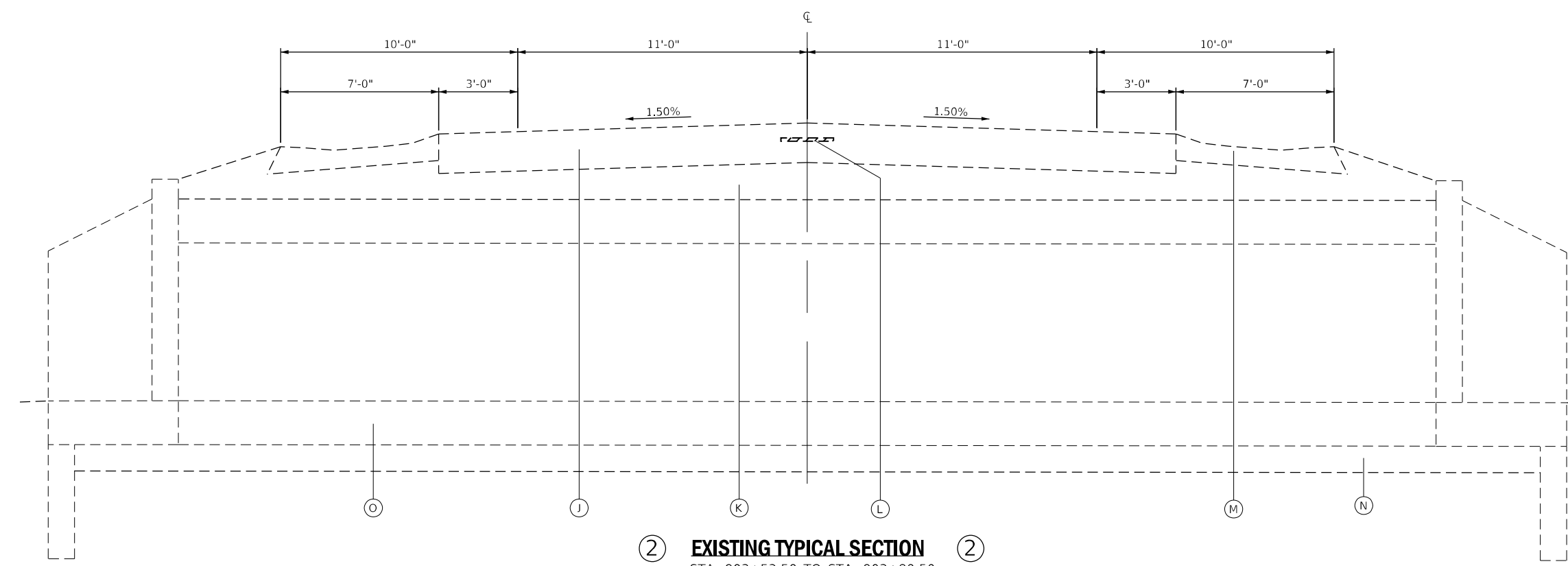
- (1) PR. HOT-MIX ASPHALT BINDER COURSE, IL-9.5FG, N70, 140 LBS/SQ YD
- (2) PR. HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "C", N70, 168 LBS/SQ YD
- (3) PR. LONGITUDINAL JOINT SEALANT
- (4) PR. AGGREGATE WEDGE SHOULDER, TYPE B (SEE NOTE 1)
- (5) PR. SHOULDER RUMBLE STRIPS, 8"
- (6) PR. PAINT PAVEMENT MARKING
- (7) PR. CLASS C PATCH, 14"
- (8) PR. AGGREGATE SHOULDERS, TYPE B, 6"
- (9) PR. POROUS GRANULAR EMBANKMENT, VARIES 2 3/4" - 5 3/4"
- (10) PR. TIE BARS 3/4" @ 2'-0" CENTERS
- (11) PR. POROUS GRANULAR MATERIAL
- (12) PR. MEMBRANE WATERPROOFING SYSTEM FOR BURIED STRUCTURES
- (13) PR. EMBANKMENT
- (14) PR. HOT-MIX ASPHALT SHOULDERS, 1 1/2"

-  HMA SURFACE REMOVAL, 2 3/4" (SEE NOTE 2)
-  HMA SURFACE REMOVAL, 1 1/2" (SEE NOTE 2)

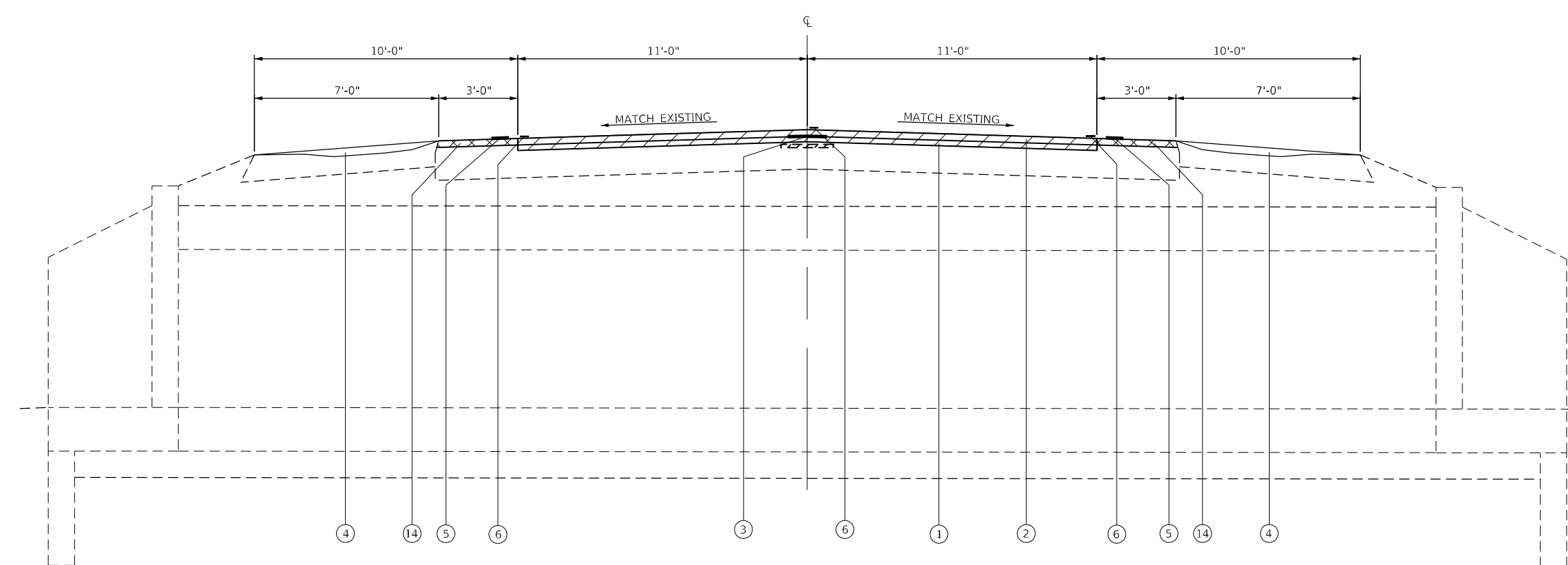
NOTE:

1.) PROPOSED AGGREGATE WEDGE SHOULDER USED TO REPAIR EDGE OF PAVEMENT DROP-OFF AND RUTTING.

2.) PROPOSED HMA SURFACE REMOVAL INCLUDES PCC PATCHES.



EXISTING TYPICAL SECTION
 STA. 903+53.50 TO STA. 903+80.50
 STA. 916+23.00 TO STA. 916+49.00
 STA. 984+46.25 TO STA. 984+77.75



PROPOSED TYPICAL SECTION
 STA. 903+53.50 TO STA. 903+80.50
 STA. 916+23.00 TO STA. 916+49.00
 STA. 984+46.25 TO STA. 984+77.75

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 DEPARTMENT OF TRANSPORTATION



TYPICAL SECTIONS
 US 24
 SCALE: SHEET 2 OF 5 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	(30, 31)RS-2	MCLEAN	60	9
CONTRACT NO. 70988				
ILLINOIS FED. AID PROJECT				

LEGEND

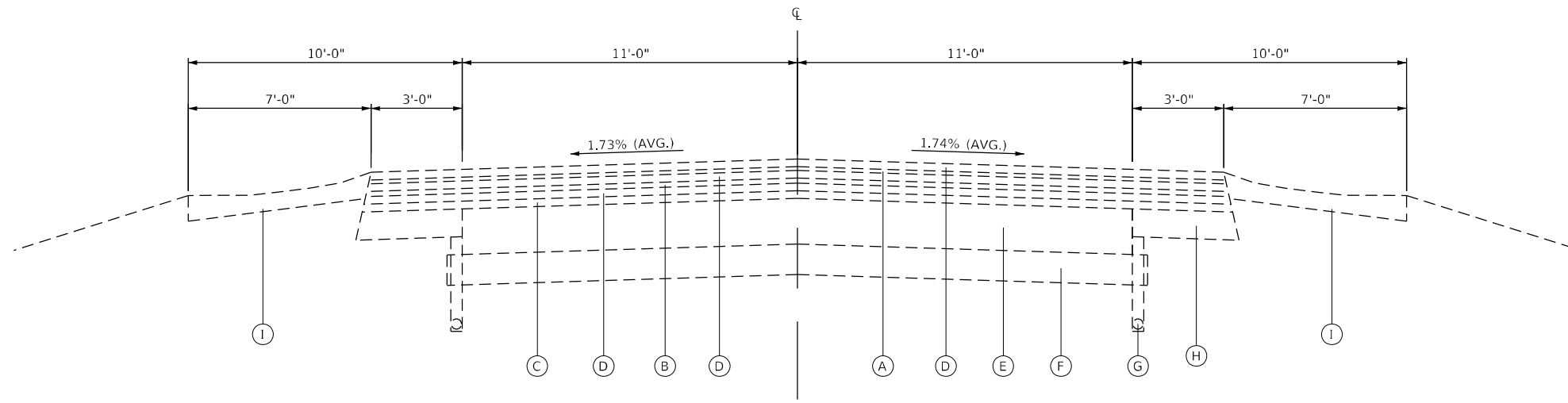
- (A) EX. HMA BINDER, 0.75"
- (B) EX. HMA BINDER, 1"
- (C) EX. HMA BINDER, 1.5"
- (D) EX. HMA SURFACE, 1.5"
- (E) EX. PCC PAVEMENT, 9"
- (F) EX. SUB-BASE, 6"
- (G) EX. PIPE UNDERDRAINS, 4"
- (H) EX. BITUMINOUS SHOULDER, 5 1/2"
- (I) EX. AGGREGATE SHOULDER, TYPE B
- (J) EX. CLASS C PATCH, 9"
- (K) EX. POROUS GRANULAR EMBANKMENT
- (L) EX. 3/4" TIE BARS @ 2'-0" CENTERS
- (M) EX. AGGREGATE SHOULDERS, TYPE B, 6"
- (N) EX. POROUS GRANULAR MATERIAL
- (O) EX. PRECAST BOX CULVERT
- (P) EX. DOUBLE 36" DIA. CMP

- (1) PR. HOT-MIX ASPHALT BINDER COURSE, IL-9.5FG, N70, 140 LBS/SQ YD
- (2) PR. HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "C", N70, 168 LBS/SQ YD
- (3) PR. LONGITUDINAL JOINT SEALANT
- (4) PR. AGGREGATE WEDGE SHOULDER, TYPE B (SEE NOTE 1)
- (5) PR. SHOULDER RUMBLE STRIPS, 8"
- (6) PR. PAINT PAVEMENT MARKING
- (7) PR. CLASS C PATCH, 14"
- (8) PR. AGGREGATE SHOULDERS, TYPE B, 6"
- (9) PR. POROUS GRANULAR EMBANKMENT, VARIES 2 3/4" - 5 3/4"
- (10) PR. TIE BARS 3/4" @ 2'-0" CENTERS
- (11) PR. POROUS GRANULAR MATERIAL
- (12) PR. MEMBRANE WATERPROOFING SYSTEM FOR BURIED STRUCTURES
- (13) PR. EMBANKMENT
- (14) PR. HOT-MIX ASPHALT SHOULDERS, 1 1/2"

-  HMA SURFACE REMOVAL, 2 3/4" (SEE NOTE 2)
-  HMA SURFACE REMOVAL, 1 1/2" (SEE NOTE 2)

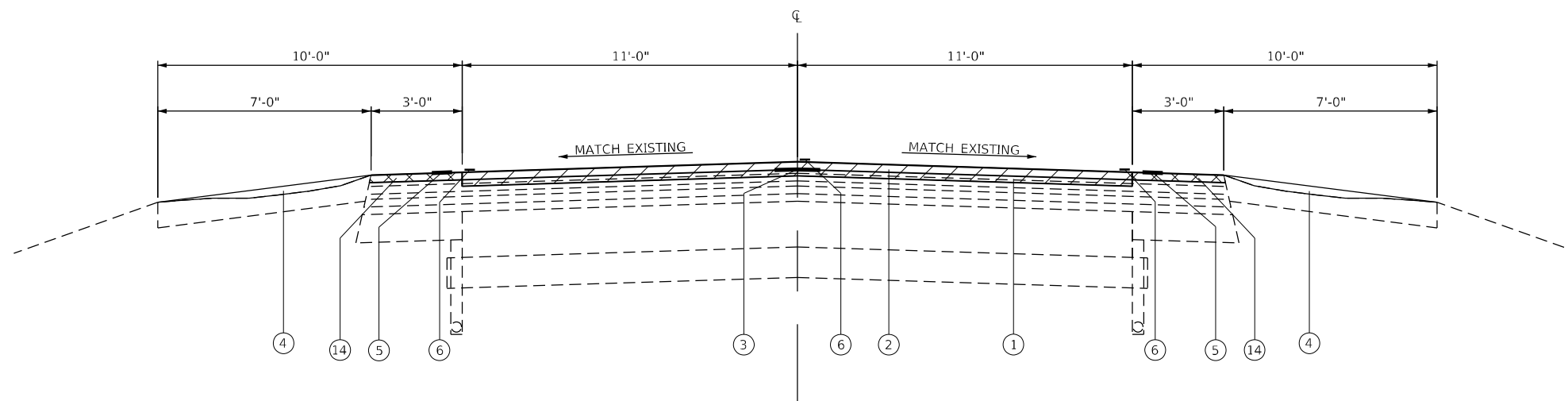
NOTE:

- 1.) PROPOSED AGGREGATE WEDGE SHOULDER USED TO REPAIR EDGE OF PAVEMENT DROP-OFF AND RUTTING.
- 2.) PROPOSED HMA SURFACE REMOVAL INCLUDES PCC PATCHES.



(3) EXISTING TYPICAL SECTION (3)

STA. 1069+97.50 TO STA. 1077+02.50
 STA. 1086+00.00 TO STA. 1089+00.00
 STA. 1096+33.00 TO STA. 1098+70.00



(3) PROPOSED TYPICAL SECTION (3)

STA. 1069+97.50 TO STA. 1077+02.50
 STA. 1086+00.00 TO STA. 1089+00.00
 STA. 1096+33.00 TO STA. 1098+70.00

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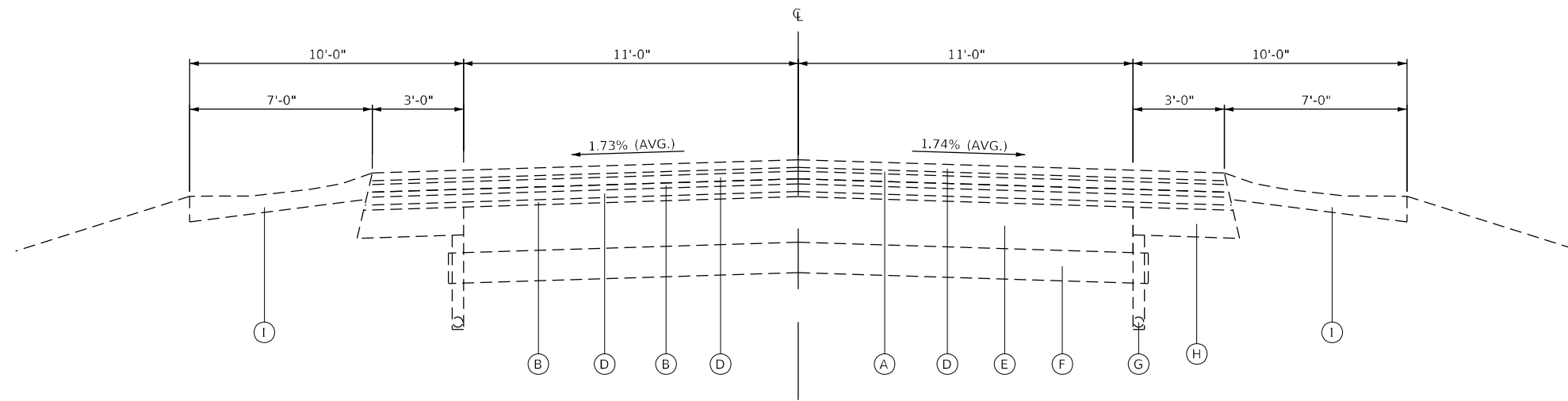
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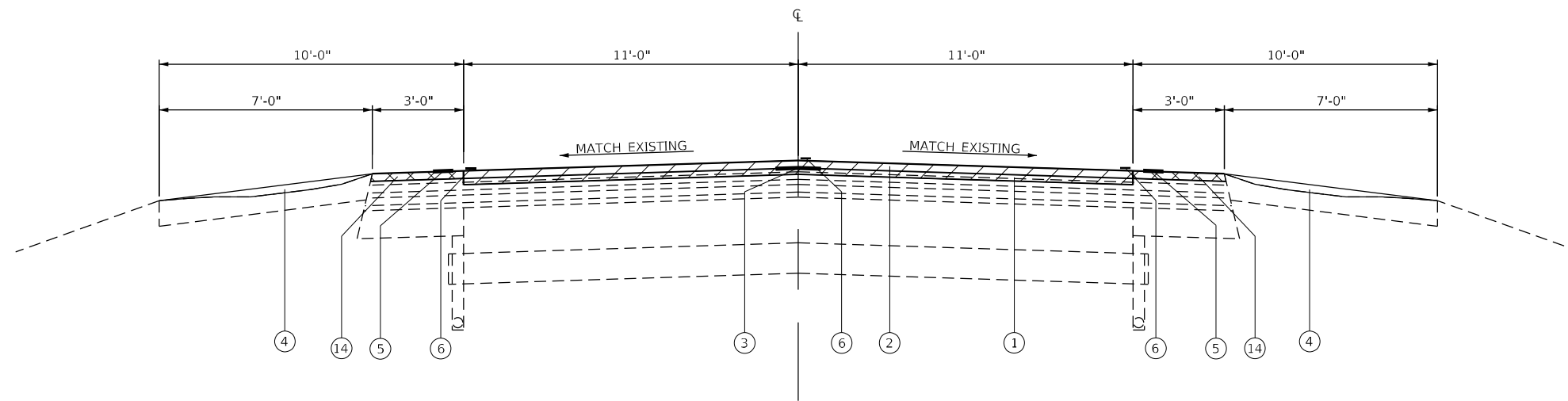
**TYPICAL SECTIONS
 US 24**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	(30, 31)RS-2	MCLEAN	60	10
CONTRACT NO. 70988				
ILLINOIS FED. AID PROJECT				



EXISTING TYPICAL SECTION
 STA. 1089+00.00 TO STA. 1096+33.00



PROPOSED TYPICAL SECTION
 STA. 1089+00.00 TO STA. 1096+33.00

LEGEND

- (A) EX. HMA BINDER, 0.75"
- (B) EX. HMA BINDER, 1"
- (C) EX. HMA BINDER, 1.5"
- (D) EX. HMA SURFACE, 1.5"
- (E) EX. PCC PAVEMENT, 9"
- (F) EX. SUB-BASE, 6"
- (G) EX. PIPE UNDERDRAINS, 4"
- (H) EX. BITUMINOUS SHOULDER, 5 1/2"
- (I) EX. AGGREGATE SHOULDER, TYPE B
- (J) EX. CLASS C PATCH, 9"
- (K) EX. POROUS GRANULAR EMBANKMENT
- (L) EX. 3/4" TIE BARS @ 2'-0" CENTERS
- (M) EX. AGGREGATE SHOULDERS, TYPE B, 6"
- (N) EX. POROUS GRANULAR MATERIAL
- (O) EX. PRECAST BOX CULVERT
- (P) EX. DOUBLE 36" DIA. CMP

- (1) PR. HOT-MIX ASPHALT BINDER COURSE, IL-9.5FG, N70, 140 LBS/SQ YD
- (2) PR. HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "C", N70, 168 LBS/SQ YD
- (3) PR. LONGITUDINAL JOINT SEALANT
- (4) PR. AGGREGATE WEDGE SHOULDER, TYPE B (SEE NOTE 1)
- (5) PR. SHOULDER RUMBLE STRIPS, 8"
- (6) PR. PAINT PAVEMENT MARKING
- (7) PR. CLASS C PATCH, 14"
- (8) PR. AGGREGATE SHOULDERS, TYPE B, 6"
- (9) PR. POROUS GRANULAR EMBANKMENT, VARIES 2 3/4" - 5 3/4"
- (10) PR. TIE BARS 3/4" @ 2'-0" CENTERS
- (11) PR. POROUS GRANULAR MATERIAL
- (12) PR. MEMBRANE WATERPROOFING SYSTEM FOR BURIED STRUCTURES
- (13) PR. EMBANKMENT
- (14) PR. HOT-MIX ASPHALT SHOULDERS, 1 1/2"

- HMA SURFACE REMOVAL, 2 3/4" (SEE NOTE 2)
- HMA SURFACE REMOVAL, 1 1/2" (SEE NOTE 2)

NOTE:

- 1.) PROPOSED AGGREGATE WEDGE SHOULDER USED TO REPAIR EDGE OF PAVEMENT DROP-OFF AND RUTTING.
- 2.) PROPOSED HMA SURFACE REMOVAL INCLUDES PCC PATCHES.

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 DATE -

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**TYPICAL SECTIONS
 US 24**



SCALE: SHEET 4 OF 5 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	(30, 31)RS-2	MCLEAN	60	11
CONTRACT NO. 70988				
ILLINOIS FED. AID PROJECT				

LEGEND

- (A) EX. HMA BINDER, 0.75"
- (B) EX. HMA BINDER, 1"
- (C) EX. HMA BINDER, 1.5"
- (D) EX. HMA SURFACE, 1.5"
- (E) EX. PCC PAVEMENT, 9"
- (F) EX. SUB-BASE, 6"
- (G) EX. PIPE UNDERDRAINS, 4"
- (H) EX. BITUMINOUS SHOULDER, 5 1/2"
- (I) EX. AGGREGATE SHOULDER, TYPE B
- (J) EX. CLASS C PATCH, 9"
- (K) EX. POROUS GRANULAR EMBANKMENT
- (L) EX. 3/4" TIE BARS @ 2'-0" CENTERS
- (M) EX. AGGREGATE SHOULDERS, TYPE B, 6"
- (N) EX. POROUS GRANULAR MATERIAL
- (O) EX. PRECAST BOX CULVERT
- (P) EX. DOUBLE 36" DIA. CMP

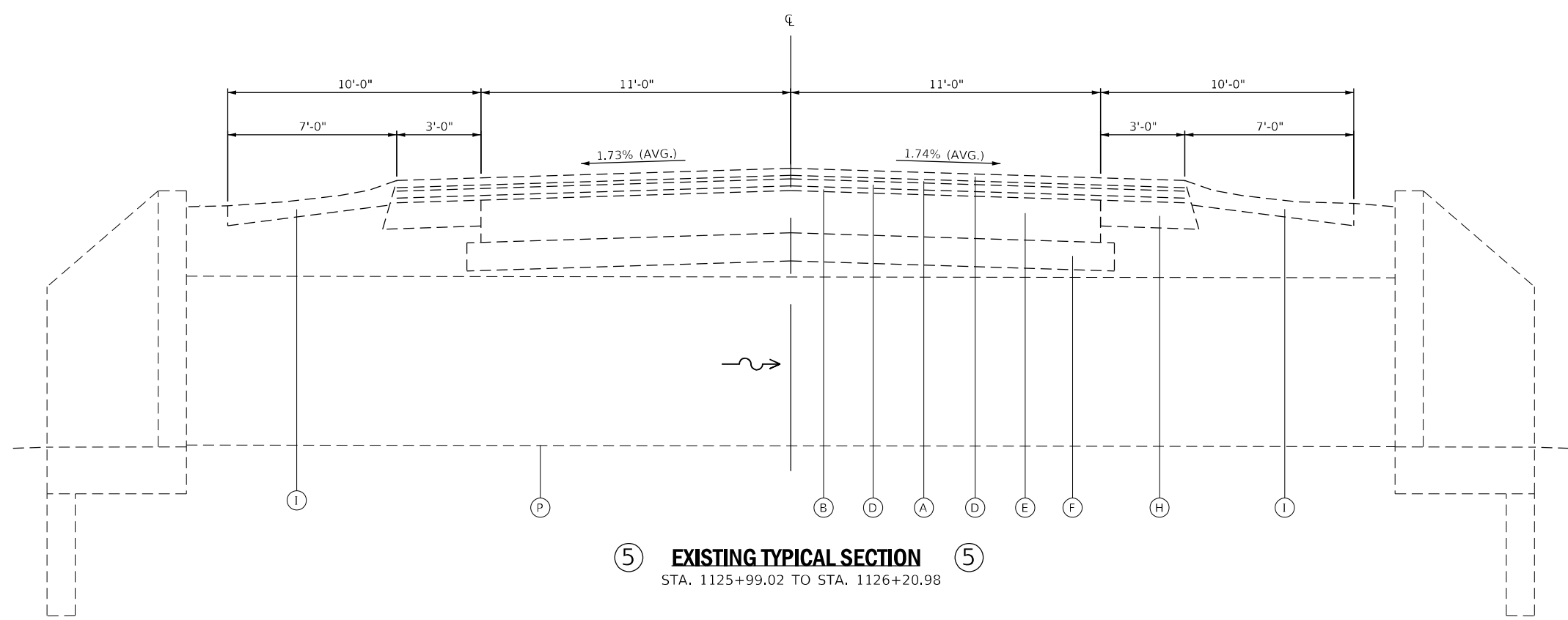
- (1) PR. HOT-MIX ASPHALT BINDER COURSE, IL-9.5FG, N70, 140 LBS/SQ YD
- (2) PR. HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "C", N70, 168 LBS/SQ YD
- (3) PR. LONGITUDINAL JOINT SEALANT
- (4) PR. AGGREGATE WEDGE SHOULDER, TYPE B (SEE NOTE 1)
- (5) PR. SHOULDER RUMBLE STRIPS, 8"
- (6) PR. PAINT PAVEMENT MARKING
- (7) PR. CLASS C PATCH, 14"
- (8) PR. AGGREGATE SHOULDERS, TYPE B, 6"
- (9) PR. POROUS GRANULAR EMBANKMENT, VARIES 2 3/4" - 5 3/4"
- (10) PR. TIE BARS 3/4" @ 2'-0" CENTERS
- (11) PR. POROUS GRANULAR MATERIAL
- (12) PR. MEMBRANE WATERPROOFING SYSTEM FOR BURIED STRUCTURES
- (13) PR. EMBANKMENT
- (14) PR. HOT-MIX ASPHALT SHOULDERS, 1 1/2"

-  HMA SURFACE REMOVAL, 2 3/4" (SEE NOTE 2)
-  HMA SURFACE REMOVAL, 1 1/2" (SEE NOTE 2)

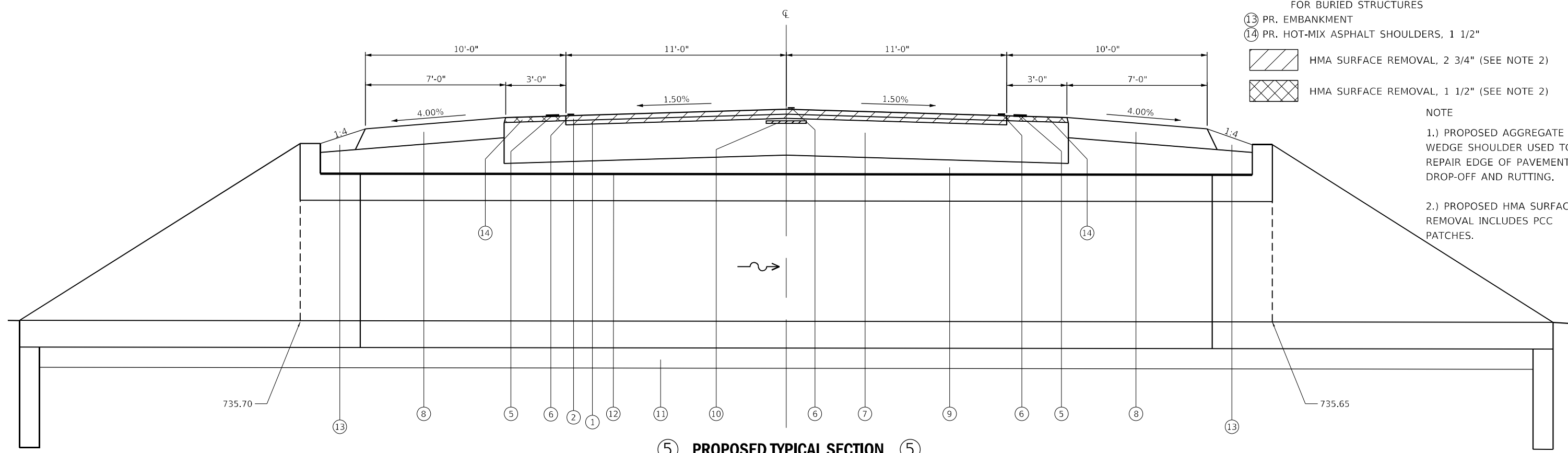
NOTE

1.) PROPOSED AGGREGATE WEDGE SHOULDER USED TO REPAIR EDGE OF PAVEMENT DROP-OFF AND RUTTING.

2.) PROPOSED HMA SURFACE REMOVAL INCLUDES PCC PATCHES.



(5) EXISTING TYPICAL SECTION (5)
STA. 1125+99.02 TO STA. 1126+20.98



(5) PROPOSED TYPICAL SECTION (5)
STA. 1125+99.02 TO STA. 1126+20.98

MODEL Path: \\...
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	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TYPICAL SECTIONS
US 24**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	(30, 31)RS-2	MCLEAN	60	12
CONTRACT NO. 70988				
ILLINOIS FED. AID PROJECT				

EARTHWORK SCHEDULE *						
LOCATION		20200100 FOR INFORMATION ONLY				
		EARTH EXCAVATION	EARTH EXCAVATION ADJUSTED FOR 25% SHRINKAGE	EMBANKMENT	BALANCE WASTE (+) SHORTAGE (-)	
STATION	TO	STATION	CU YD	CU YD	CU YD	CU YD
US 24						
1124+85.56	TO	1127+22.76	79	59	48	11
SUB-TOTAL:			79	59	48	11
PAY TOTAL:			80			

* UNSUITABLE MATERIAL NOT INCLUDED IN EARTHWORK QUANTITIES (SEE POROUS GRANULAR EMBANKMENT DETAIL)

SEEDING SCHEDULE									
LOCATION				25000210	25000400	25000500	25000600	25100115	28000250
				SEEDING, CLASS 2A	NITROGEN FERTILIZER NUTRIENT	PHOSPHORUS FERTILIZER NUTRIENT	POTASSIUM FERTILIZER NUTRIENT	MULCH, METHOD 2	TEMPORARY EROSION CONTROL SEEDING
STATION	TO	STATION	LT/RT	ACRE	POUND	POUND	POUND	ACRE	POUND
US 24									
1124+85.56	TO	1127+22.76	LT	0.17	15.2	15.2	15.2	0.17	33.8
1124+85.56	TO	1127+22.76	RT	0.17	15.6	15.6	15.6	0.17	34.6
TOTAL:				0.34	30.8	30.8	30.8	0.34	68.4
PAY TOTAL:				0.5	45	45	45	0.5	100

SURVEY MARKER SCHEDULE				
LOCATION		XZ193400	Z0070202	Z0070100
		SURVEY MARKER, TYPE 2 (SPECIAL)	SURVEY MARKER VAULT	SURVEY MONUMENT COVER ASSEMBLY
STATION	OFFSET	EACH	EACH	EACH
US 24				
1016+62.10	0.90' RT	1		1
1072+82.51	4.80' LT	1		1
1117+15.20	0.54' LT		1	1
PAY TOTAL:		2	1	3

SHOULDER SCHEDULE									
LOCATION				48203003	48101500	48102100	66300105	64200108	
				HOT-MIX ASPHALT SHOULDERS, 1 1/2"	AGGREGATE SHOULDERS, TYPE B 6"	AGGREGATE WEDGE SHOULDER, TYPE B	CALCIUM CHLORIDE APPLIED	SHOULDER RUMBLE STRIPS, 8 INCH	
STATION	TO	STATION	LT/RT	SQ YD	SQ YD	TON	TON	FOOT	
US 24									
850+78.52	TO	1132+85.32	RT	9280.2				54033	
850+78.52	TO	1132+85.32	LT	9519.8					
851+41.52	TO	852+44.25	RT			10.5			
851+44.51	TO	870+63.15	LT			195.9			
852+56.15	TO	894+28.35	RT			425.9			
871+45.40	TO	890+65.79	LT			196.0			
891+69.65	TO	904+01.31	LT			125.7			
894+67.97	TO	903+97.64	RT			94.9			
904+52.99	TO	956+11.94	RT			526.6			
904+59.76	TO	952+02.96	LT			484.2			
952+26.98	TO	1003+54.07	LT			522.7			
956+38.29	TO	983+63.08	RT			278.1			
984+43.32	TO	1010+48.03	RT			265.2			
1004+63.91	TO	1010+40.22	LT			58.8			
1010+93.39	TO	1020+10.12	RT			93.6			
1011+06.88	TO	1037+19.15	LT			266.7			
1020+35.10	TO	1037+03.56	RT			170.3			
1037+63.81	TO	1062+33.53	RT			252.1			
1038+85.79	TO	1074+22.79	LT			361.1			
1062+60.36	TO	1111+19.89	RT			496.1			
1074+53.62	TO	1116+89.17	LT			432.4			
1111+35.76	TO	1116+81.30	RT			55.7			
1117+49.45	TO	1122+06.36	LT			46.6			
1117+53.81	TO	1124+85.56	RT			74.7			
1123+44.78	TO	1124+85.56	LT			14.4			
1124+85.56	TO	1127+22.76	RT		184.5		0.5		
1124+85.56	TO	1127+22.76	LT		184.5		0.5		
1127+22.76	TO	1132+85.32	RT			57.4			
1127+22.76	TO	1129+52.08	LT			23.4			
1129+96.55	TO	1131+99.21	LT			20.7			
1132+37.58	TO	1132+85.32	LT			4.9			
1037+46.12	TO	1037+88.71	LT			4.4			
PAY TOTAL:				18800	369	5559	1	54033	

ENTRANCE SCHEDULE					
LOCATION		X4400196	40200800	40800029	40800050
		HOT-MIX ASPHALT SURFACE REMOVAL, SPECIAL *	AGGREGATE SURFACE COURSE, TYPE B	BITUMINOUS MATERIALS (TACK COAT) *	INCIDENTAL HOT-MIX ASPHALT SURFACING *
STATION	LT/RT	SQ YD	TON	POUND	TON
US 24					
852+50.20	RT	51.7	4.2	23.3	4.3
894+47.56	RT	82.4	8.4	37.1	6.9
952+13.01	LT	50.5	2.9	22.7	4.2
956+25.12	RT	42.2	8.2	19.0	3.6
956+25.12	LT	21.6		9.7	1.8
1020+21.47	RT	39.8	6.0	17.9	3.3
1020+18.10	LT	31.6		14.2	2.7
1038+40.81	LT	39.7		17.9	3.3
1062+45.53	RT	45.3	9.5	20.4	3.8
1062+45.53	LT	30.0		13.5	2.5
1074+37.06	LT	66.8	7.0	30.1	5.6
1111+25.24	RT	35.4	4.0	15.9	3.0
1111+25.24	LT	31.4		14.1	2.6
1129+73.46	LT	55.9		25.2	4.7
1132+20.56	LT	51.4		23.1	4.3
PAY TOTAL:		676	50	304	57

* SEE HOT-MIX ASPHALT PAVING SCHEDULE FOR ADDITIONAL QUANTITY

MODEL: P:\d\11190607\US 24_McLean_Co - Phase III_CADD - DWG\4.7_Traffic\CAD_Sheets\0570988-entr-schedule.dgn



USER NAME = bhillhartz	DESIGNED -	REVISED -
PLOT SCALE = 40,0000 */ in.	DRAWN -	REVISED -
PLOT DATE = 12/14/2021	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES			
SCALE: N.T.S.	SHEET 1 OF 4 SHEETS	STA.	TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	(30, 31)RS-2	MCLEAN	60	13
CONTRACT NO. 70988				
ILLINOIS FED. AID PROJECT				

HOT-MIX ASPHALT PAVING SCHEDULE													
LOCATION				40600982	44000155	44000160	X4400196	40600290	40600370	40602970	40604052	40800029	40800050
LOCATION				HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"	HOT-MIX ASPHALT SURFACE REMOVAL, 2 3/4"	HOT-MIX ASPHALT SURFACE REMOVAL, SPECIAL *	BITUMINOUS MATERIALS (TACK COAT)	LONGITUDINAL JOINT SEALANT	HOT-MIX ASPHALT BINDER COURSE, IL-9.5FG, N70	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "C" N70	BITUMINOUS MATERIALS (TACK COAT) *	INCIDENTAL HOT-MIX ASPHALT SURFACING *
STATION	TO	STATION	LT/RT	SQ YD	SQ YD	SQ YD	SQ YD	POUND	FOOT	TON	TON	POUND	TON
US 24													
850+78.52	TO	989+98.74	LT/RT					27144.4	13920.2	2393.2	2874.5		
990+05.68	TO	1132+85.32	LT/RT		18836.0	68933.0		27845.3	14279.6	2455.0	2948.8		
SIDEROADS													
851+19.03			LT				158.1					106.7	24.4
851+19.03			RT				140.3					94.7	21.6
904+28.53			LT				144.6					97.6	22.3
904+28.53			RT				142.1					95.9	21.9
984+00.70			RT				255.5					172.4	39.3
1010+68.42			LT				195.4					131.9	30.1
1010+68.42			RT				101.3					68.4	15.6
1037+34.46			RT				156.8					105.9	24.2
1117+15.28			RT				191.5					129.3	29.5
1117+20.64			LT	156.58								105.7	24.1
PAY TOTAL:				157	18836	68933	1485	54990	28200	4848	5823	1108	253

* SEE ENTRANCE SCHEDULE FOR ADDITIONAL QUANTITY

PATCHING SCHEDULE AT CULVERT REPLACEMENT					
LOCATION			44201409	44213204	44200050
LOCATION			CLASS C PATCHES, TYPE IV, 14 INCH	TIE BARS 3/4"	WELDED WIRE REINFORCEMENT
STATION	TO	STATION	SQ YD	EACH	SQ YD
US 24					
1125+99.02	TO	1126+20.98	68.3	11	68.3
PAY TOTAL:			68	11	68

EROSION CONTROL SCHEDULE							
LOCATION				28000305	28000400	28000500	
LOCATION				TEMPORARY DITCH CHECKS	PERIMETER EROSION BARRIER	INLET AND PIPE PROTECTION	
STATION	TO	STATION	LT/RT	EA	FOOT	FOOT	EACH
US 24							
1124+85.56	TO	1127+22.76	LT	2	22.0	100.0	
1124+85.56	TO	1127+22.76	RT	2	22.0	100.0	1
PAY TOTAL:				44	200		1

CULVERT SCHEDULE													
LOCATION				20700220	28100201	50100300	52200020	54001001	54010803	54260315	59100100	X0900064	51500100
LOCATION				POROUS GRANULAR EMBANKMENT	STONE RIPRAP, CLASS A1	REMOVAL OF EXISTING STRUCTURES NO. 1	TEMPORARY SOIL RETENTION SYSTEM	BOX CULVERT END SECTIONS, CULVERT NO. 1	PRECAST CONCRETE BOX CULVERTS 8' X 3'	TRAVERSABLE PIPE GRATE FOR CONCRETE END SECTION	GEOCOMPOSITE WALL DRAIN	MEMBRANE WATERPROOFING SYSTEM FOR BURIED STRUCTURES	NAME PLATES
STATION	TO	STATION	LT/RT	CU YD	TON	EACH	SQ FT	EACH	FOOT	FOOT	SQ YD	SQ YD	EACH
US 24													
1126+10.00			LT/RT	56.6	52.2	1.0	55.6	2	41.5	95.0	59.0	59.0	1
PAY TOTAL:				57	52	1	56	2	42	95	59	59	1

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 DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES
 SCALE: N.T.S. SHEET 2 OF 4 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	(30, 31)RS-2	MCLEAN	60	14
CONTRACT NO. 70988				
ILLINOIS FED. AID PROJECT				

PAVEMENT MARKING SCHEDULE

LOCATION					78100100	78300200	78001110		70300100	70300150	70300221		78300202
					RAISED REFLECTIVE PAVEMENT MARKER	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	PAINT PAVEMENT MARKING - LINE 4"		SHORT TERM PAVEMENT MARKING	SHORT TERM PAVEMENT MARKING REMOVAL	TEMPORARY PAVEMENT MARKING - LINE 4" - PAINT		PAVEMENT MARKING REMOVAL - WATER BLASTING
STATION	TO	STATION	LOCATION	TYPE	EACH	EACH	YELLOW	WHITE	FOOT	SQ FT	YELLOW	WHITE	SQ FT
US 24													
850+78.52	TO	989+98.74	CENTERLINE	SKIP-DASH YELLOW	174	174			3480.1	464	3480.1		1160.0
990+05.68	TO	1132+85.32	CENTERLINE	SKIP-DASH YELLOW	178	178			3569.9	476	3569.9		1190.0
851+47.86	TO	903+85.85	EDGE LINE RT	SOLID WHITE				5238.0				5238.0	1746.0
904+61.21	TO	983+56.96	EDGE LINE RT	SOLID WHITE				7895.8				7895.8	2631.9
984+46.69	TO	1010+40.20	EDGE LINE RT	SOLID WHITE				2586.6				2586.6	862.2
1011+00.72	TO	1036+92.59	EDGE LINE RT	SOLID WHITE				2591.9				2591.9	864.0
1037+79.37	TO	1116+74.11	EDGE LINE RT	SOLID WHITE				7894.7				7894.7	2631.6
1117+63.81	TO	1132+85.32	EDGE LINE RT	SOLID WHITE				1521.5				1521.5	507.2
851+45.88	TO	903+87.66	EDGE LINE LT	SOLID WHITE				5241.8				5241.8	1747.3
904+64.20	TO	1010+28.88	EDGE LINE LT	SOLID WHITE				10557.7				10557.7	3519.3
1011+20.86	TO	1116+75.48	EDGE LINE LT	SOLID WHITE				10554.6				10554.6	3518.2
1117+63.29	TO	1132+85.32	EDGE LINE LT	SOLID WHITE				1522.0				1522.0	507.3
PAY TOTAL :					352	352	7050	55605	8460	940	7050	55605	20885
							62655				62655		

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCHEDULE OF QUANTITIES			
SCALE: N.T.S.	SHEET 3 OF 4 SHEETS	STA.	TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	(30, 31)RS-2	MCLEAN	60	15
CONTRACT NO. 70988				
ILLINOIS FED. AID PROJECT				

PATCHING SHCEDULE					
LOCATION		PATCH SIZE		44201815	44201819
				CLASS D PATCHES,	
				Type II	Type III
				14 INCH	
STATION	LANE	LENGTH	WIDTH	SQ YD	SQ YD
852+03	EB	4	14	6.2	
852+03	WB	4	14	6.2	
853+90	EB	4	14	6.2	
853+90	WB	6	14	9.3	
854+86	EB	6	14	9.3	
854+86	WB	8	14	12.4	
861+59	EB	6	14	9.3	
861+59	WB	6	14	9.3	
862+85	WB	4	14	6.2	
863+79	EB	6	14	9.3	
863+79	WB	6	14	9.3	
864+72	EB	7	14	10.9	
864+72	WB	7	14	10.9	
865+71	WB	7	14	10.9	
866+68	EB	6	14	9.3	
866+68	WB	6	14	9.3	
868+70	WB	6	14	9.3	
868+70	EB	10	14		15.6
872+59	EB	6	14	9.3	
872+59	WB	6	14	9.3	
873+53	EB	6	14	9.3	
875+53	WB	6	14	9.3	
877+48	EB	6	14	9.3	
877+48	WB	6	14	9.3	
879+43	EB	8	14	12.4	
879+43	WB	8	14	12.4	
881+44	EB	6	14	9.3	
881+44	WB	6	14	9.3	
885+33	EB	4	14	6.2	
885+33	WB	4	14	6.2	
890+25	EB	6	14	9.3	
890+25	WB	6	14	9.3	
893+26	EB	6	14	9.3	
893+26	WB	6	14	9.3	
901+33	WB	6	14	9.3	
904+36	WB	6	14	9.3	
906+27	WB	6	14	9.3	
917+32	EB	6	14	9.3	
917+32	WB	6	14	9.3	
919+03	EB	4	14	6.2	
919+03	WB	4	14	6.2	
942+30	WB	6	14	9.3	
942+32	EB	4	14	6.2	

PATCHING SHCEDULE CONTINUED					
LOCATION		PATCH SIZE		44201815	44201819
				CLASS D PATCHES,	
				Type II	Type III
				14 INCH	
STATION	LANE	LENGTH	WIDTH	SQ YD	SQ YD
945+26	EB	6	14	9.3	
945+26	WB	6	14	9.3	
947+24	WB	6	14	9.3	
968+12	EB	4	14	6.2	
968+12	WB	4	14	6.2	
974+35	WB	6	14	9.3	
975+07	WB	25	6		16.7
987+70	EB	6	14	9.3	
987+70	WB	6	14	9.3	
988+64	WB	6	14	9.3	
992+43	EB	12	14		18.7
1012+64	EB	6	14	9.3	
1012+64	WB	6	14	9.3	
1022+75	EB	8	14	12.4	
1022+75	WB	8	14	12.4	
1028+67	WB	8	14	12.4	
1033+70	EB	6	14	9.3	
1033+70	WB	6	14	9.3	
1047+62	WB	4	14	6.2	
1048+55	EB	6	14	9.3	
1048+55	WB	6	14	9.3	
1051+57	EB	8	14	12.4	
1051+57	WB	8	14	12.4	
1054+47	EB	8	14	12.4	
1054+47	WB	8	14	12.4	
1066+53	EB	6	14	9.3	
1066+53	WB	6	14	9.3	
1082+67	EB	12	14		18.7
1088+71	EB	6	14	9.3	
1088+71	WB	6	14	9.3	
1090+60	EB	6	14	9.3	
1090+60	WB	6	14	9.3	
1095+07	EB	6	14	9.3	
1102+55	EB	6	14	9.3	
1102+55	WB	6	14	9.3	
1107+47	EB	10	14		15.6
1107+47	WB	10	14		15.6
1114+45	EB	8	14	12.4	
1115+41	EB	8	14	12.4	
1115+41	WB	8	14	12.4	
1121+45	EB	8	14	12.4	
1121+45	WB	8	14	12.4	
1127+35	EB	12	14		18.7
1127+35	WB	12	14		18.7
TOTAL :				749	138

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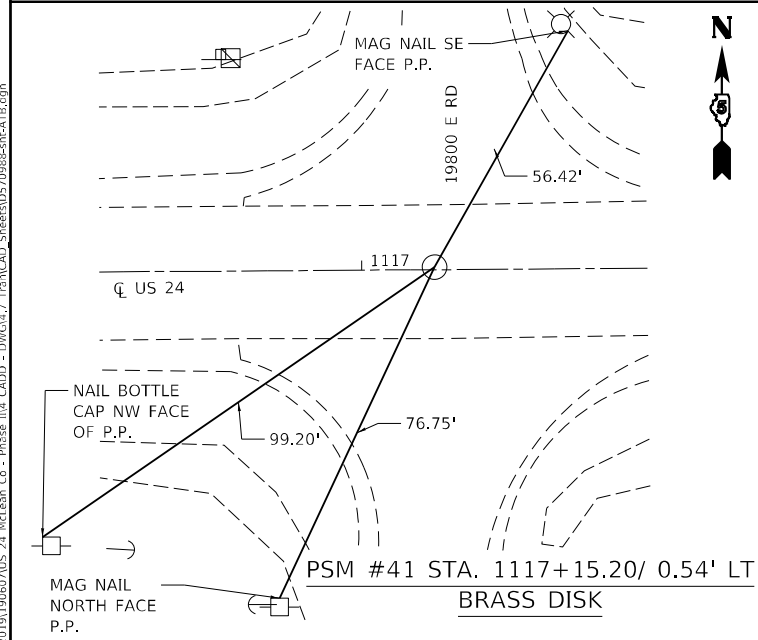
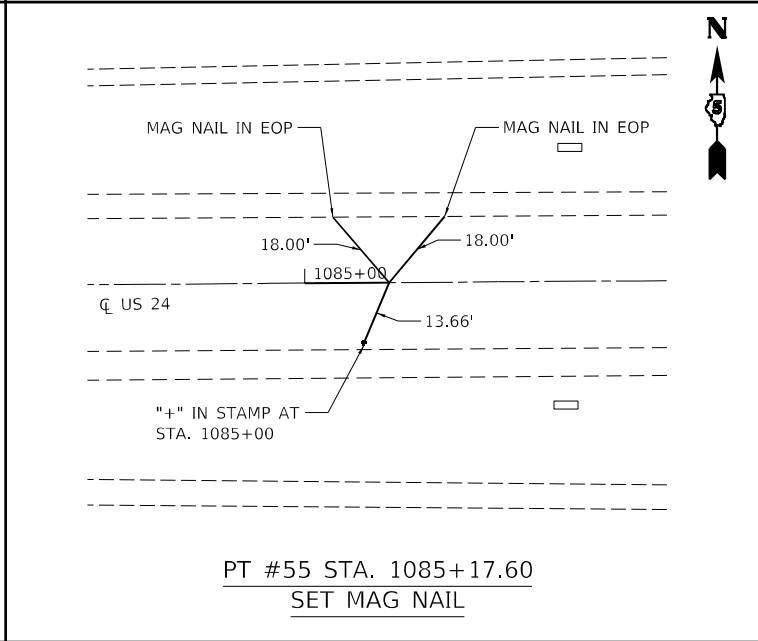
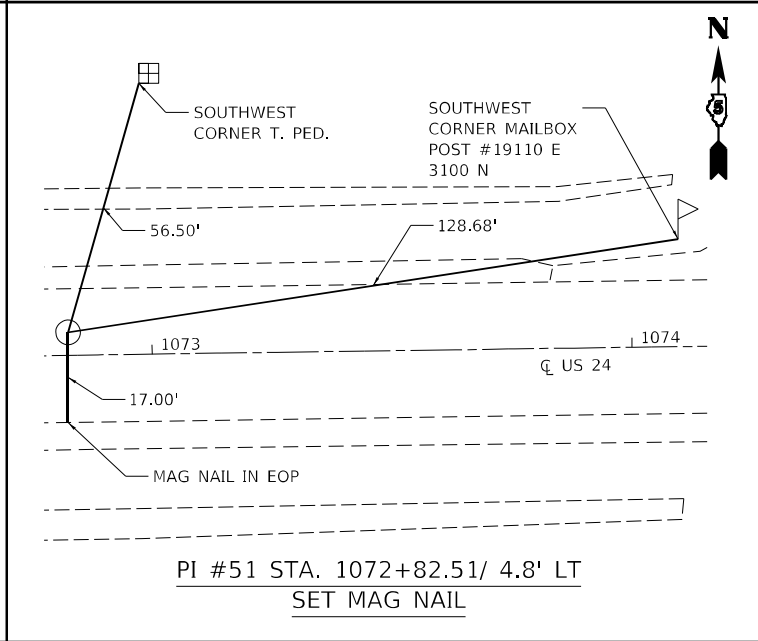
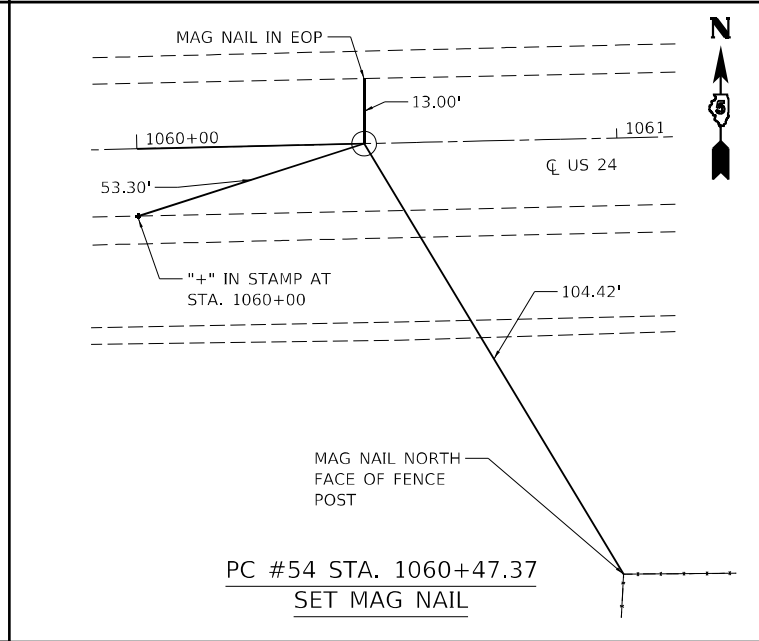
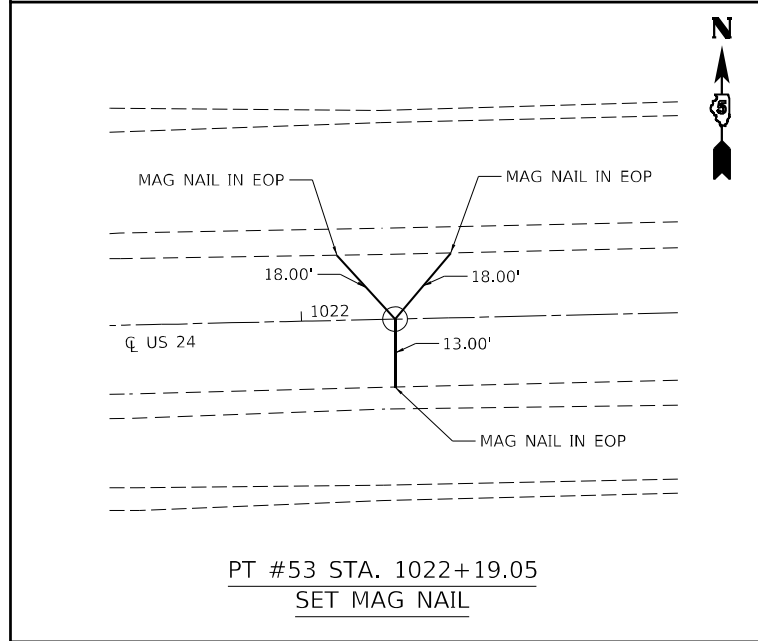
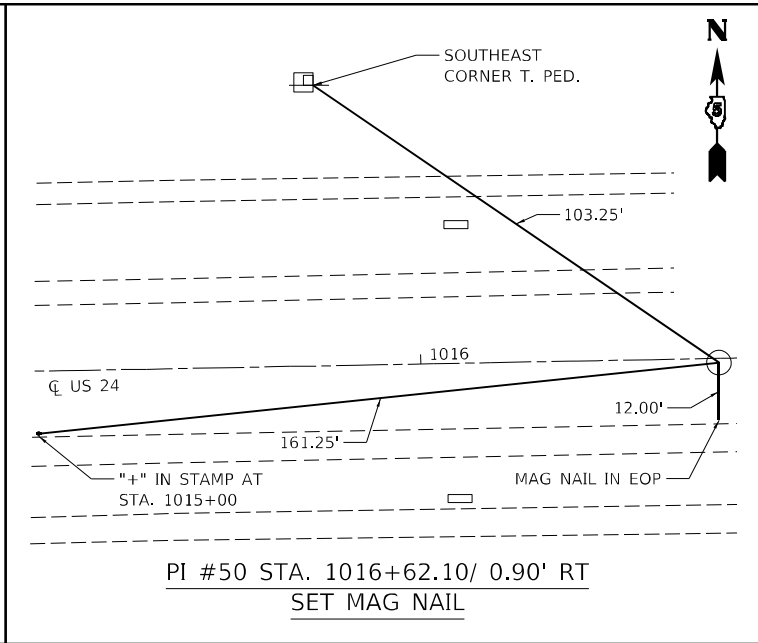
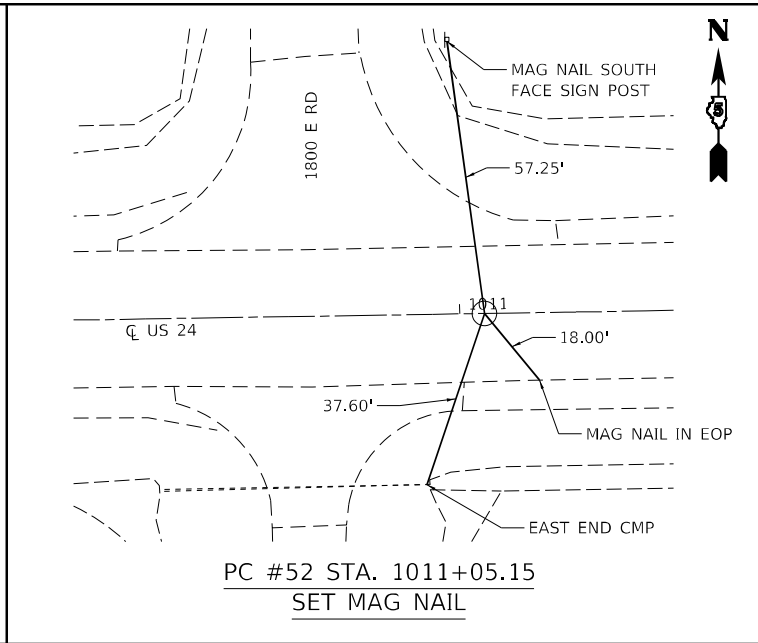
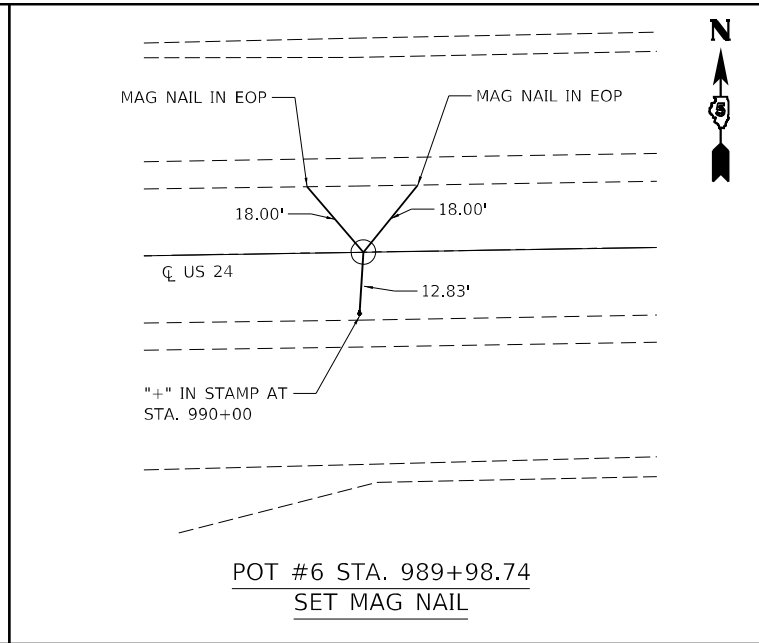
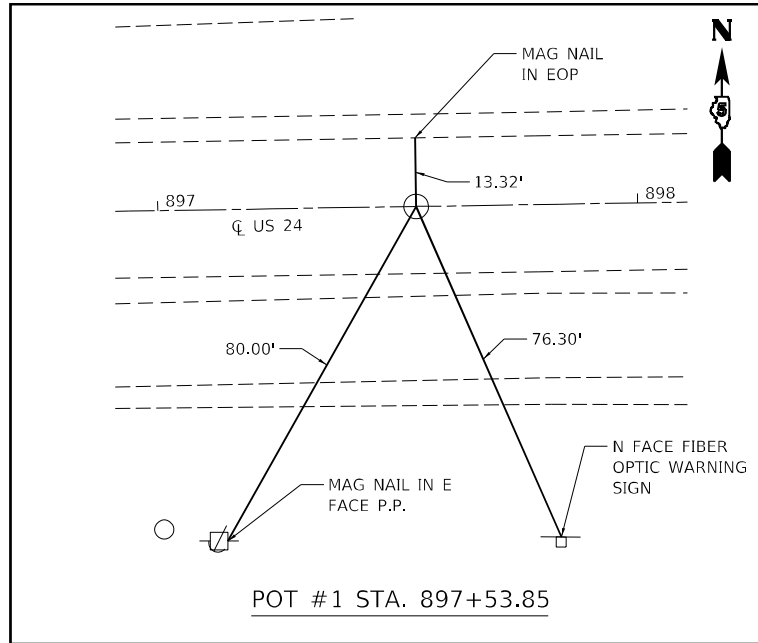
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SCHEDULE OF QUANTITIES

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	(30, 31)RS-2	MCLEAN	60	16
CONTRACT NO. 70988				
ILLINOIS FED. AID PROJECT				



CENTERLINE CONTROL POINTS

POINT NUMBER	TYPE	NORTHING	EASTING	STA.	OFFSET	EXISTING DESCRIPTION	PROPOSED SURVEY MARKER TYPE
50	PI	1483668.508	819745.261	1016+62.10	0.9' RT	MAG NAIL SET	TYPE II
51	PI	1483795.279	825364.244	1072+82.51	4.8' LT	MAG NAIL SET	TYPE II

SECTION CORNERS

POINT NUMBER	TYPE	NORTHING	EASTING	STA.	OFFSET	EXISTING DESCRIPTION	PROPOSED SURVEY MARKER TYPE
41	SECTION CORNER	1483826.908	829796.873	1117+15.20	0.54' LT	TYPE II	VAULT

EXISTING BENCHMARKS

BENCHMARK POINT	NAVD 1988 DATUM ELEVATION	DESCRIPTION	STA.	OFFSET
BM 4946-1	725.138	CHISELED "□" ON THE NORTHEAST CORNER OF THE NORTH HEADWALL OF STRUCTURE NO. 057-8069	903+73.76	29.37' LT
BM 4946-2	726.354	CHISELED "□" ON THE SOUTHWEST CORNER OF THE SOUTH HEADWALL OF STRUCTURE NO. 057-8070	916+27.88	30.72' RT
BM 4946-3	727.042	CHISELED "□" ON THE NORTHEAST CORNER OF THE NORTH HEADWALL OF STRUCTURE NO. 057-8072	984+69.75	31.20' LT

STATE OF ILLINOIS
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TIES AND BENCHMARKS

SCALE: N.T.S. SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	(30, 31)RS-2	MCLEAN	60	17
CONTRACT NO. 70988				
ILLINOIS FED. AID PROJECT				

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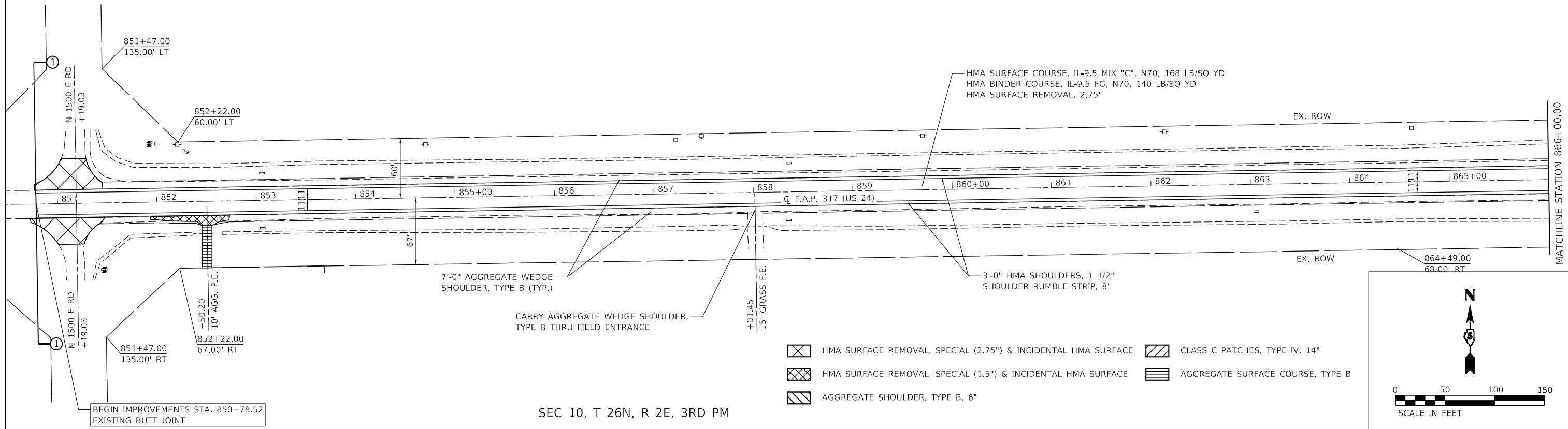
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SEC 3, T 26N, R 2E, 3RD PM

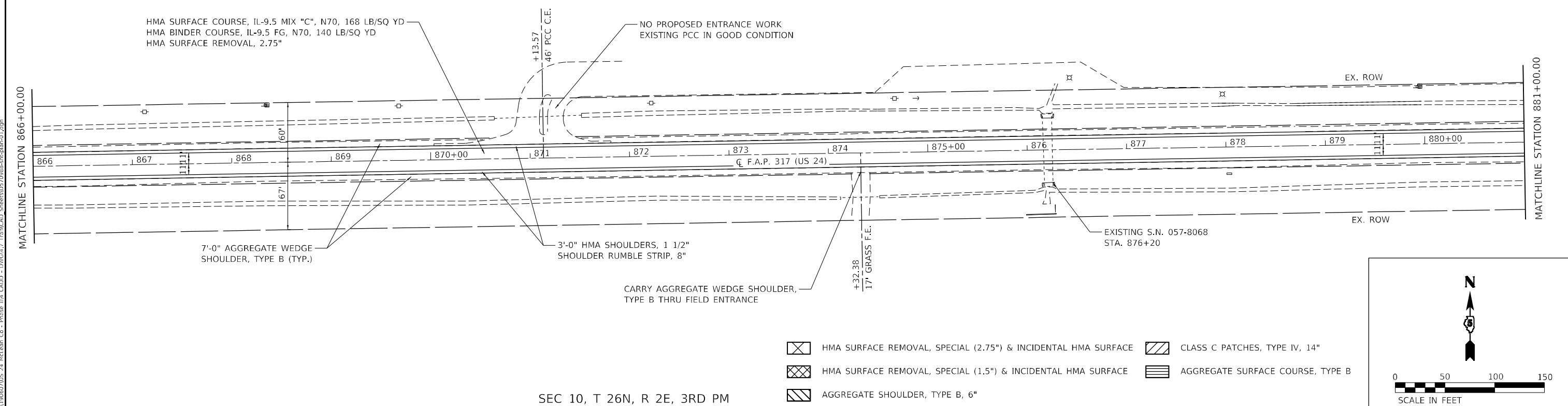
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ACTUAL LIMITS MAY VARY.



SEC 10, T 26N, R 2E, 3RD PM

SEC 3, T 26N, R 2E, 3RD PM

RIGHT OF WAY BASED OFF AS-BUILTS.
ACTUAL LIMITS MAY VARY.



SEC 10, T 26N, R 2E, 3RD PM

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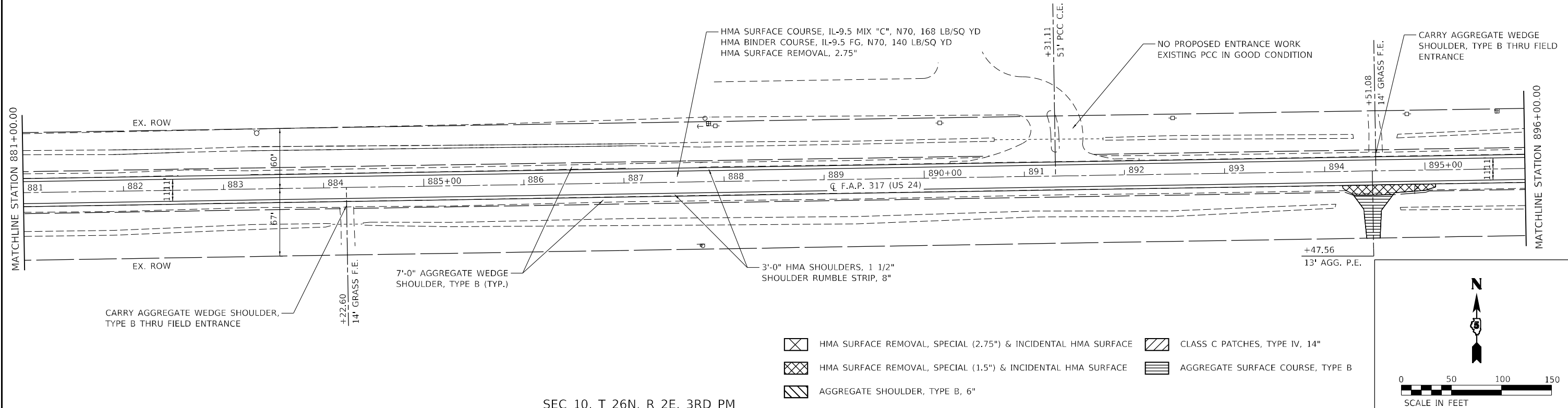
PLAN
 US 24

SCALE: 1"=50' SHEET 1 OF 10 SHEETS STA. 850+78.52 TO STA. 881+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	(30, 31)RS-2	MCLEAN	60	18
CONTRACT NO. 70988				
ILLINOIS FED. AID PROJECT				

SEC 3, T 26N, R 2E, 3RD PM

RIGHT OF WAY BASED OFF AS-BUILTS.
ACTUAL LIMITS MAY VARY.

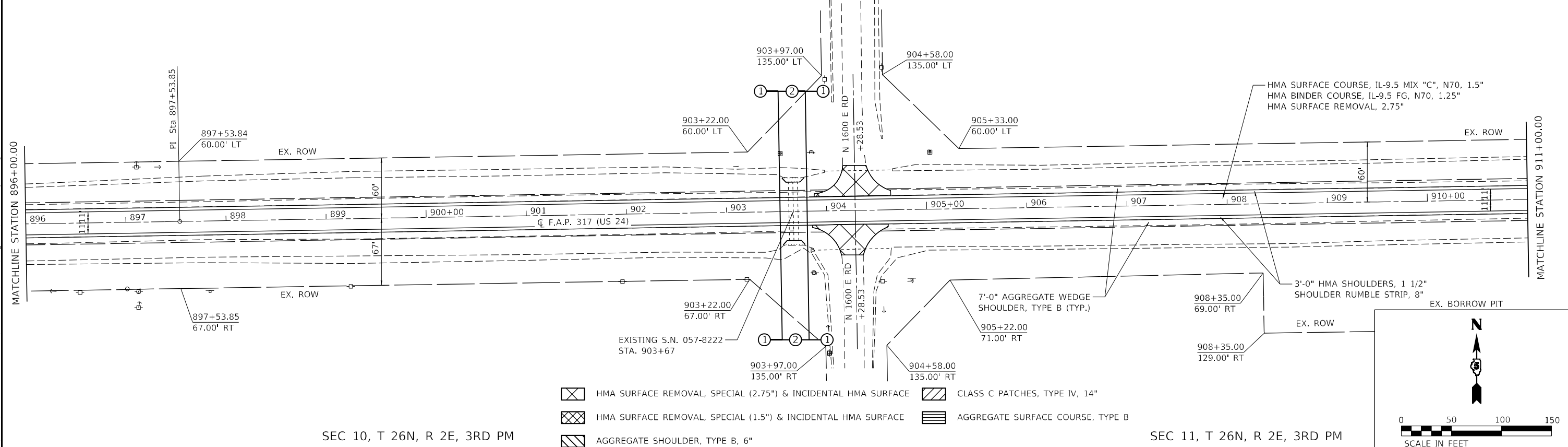


SEC 10, T 26N, R 2E, 3RD PM

SEC 3, T 26N, R 2E, 3RD PM

SEC 2, T 26N, R 2E, 3RD PM

RIGHT OF WAY BASED OFF AS-BUILTS.
ACTUAL LIMITS MAY VARY.



SEC 10, T 26N, R 2E, 3RD PM

SEC 11, T 26N, R 2E, 3RD PM

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DEPARTMENT OF TRANSPORTATION**

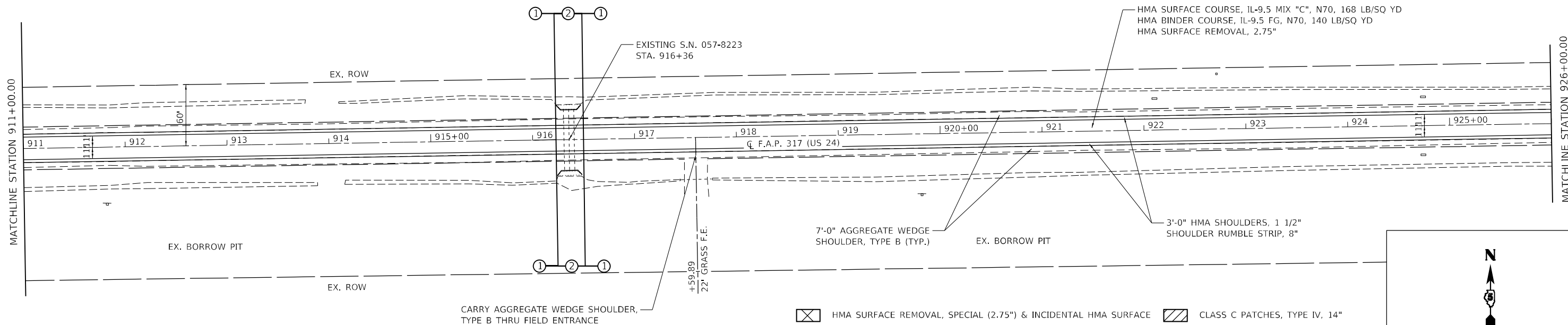
**PLAN
US 24**

SCALE: 1"=50'
SHEET 2 OF 10 SHEETS
STA. 881+00.00 TO STA. 911+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	(30, 31)RS-2	MCLEAN	60	19
CONTRACT NO. 70988				
ILLINOIS FED. AID PROJECT				

SEC 2, T 26N, R 2E, 3RD PM

RIGHT OF WAY BASED OFF AS-BUILTS.
ACTUAL LIMITS MAY VARY.

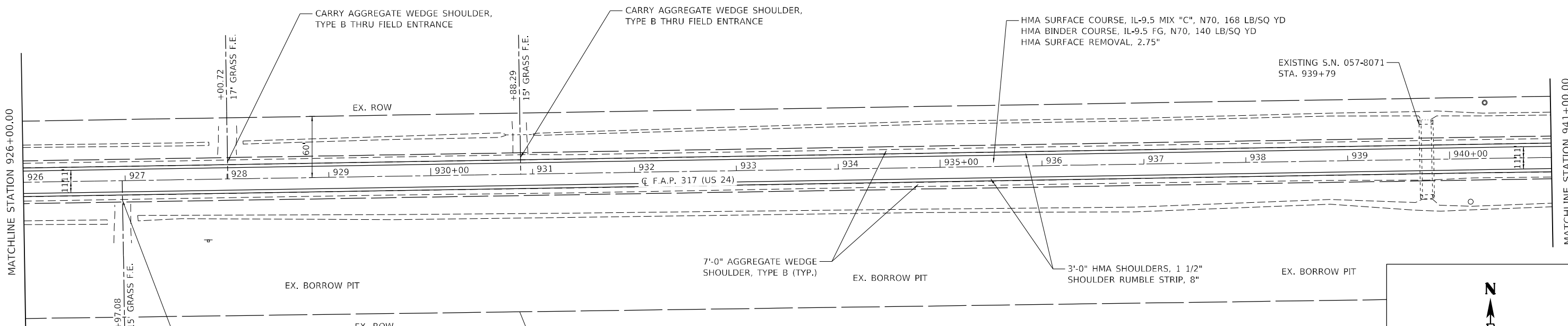


SEC 11, T 26N, R 2E, 3RD PM

- HMA SURFACE REMOVAL, SPECIAL (2.75") & INCIDENTAL HMA SURFACE
- HMA SURFACE REMOVAL, SPECIAL (1.5") & INCIDENTAL HMA SURFACE
- AGGREGATE SHOULDER, TYPE B, 6"
- CLASS C PATCHES, TYPE IV, 14"
- AGGREGATE SURFACE COURSE, TYPE B

SEC 2, T 26N, R 2E, 3RD PM

RIGHT OF WAY BASED OFF AS-BUILTS.
ACTUAL LIMITS MAY VARY.



SEC 11, T 26N, R 2E, 3RD PM

- HMA SURFACE REMOVAL, SPECIAL (2.75") & INCIDENTAL HMA SURFACE
- HMA SURFACE REMOVAL, SPECIAL (1.5") & INCIDENTAL HMA SURFACE
- AGGREGATE SHOULDER, TYPE B, 6"
- CLASS C PATCHES, TYPE IV, 14"
- AGGREGATE SURFACE COURSE, TYPE B

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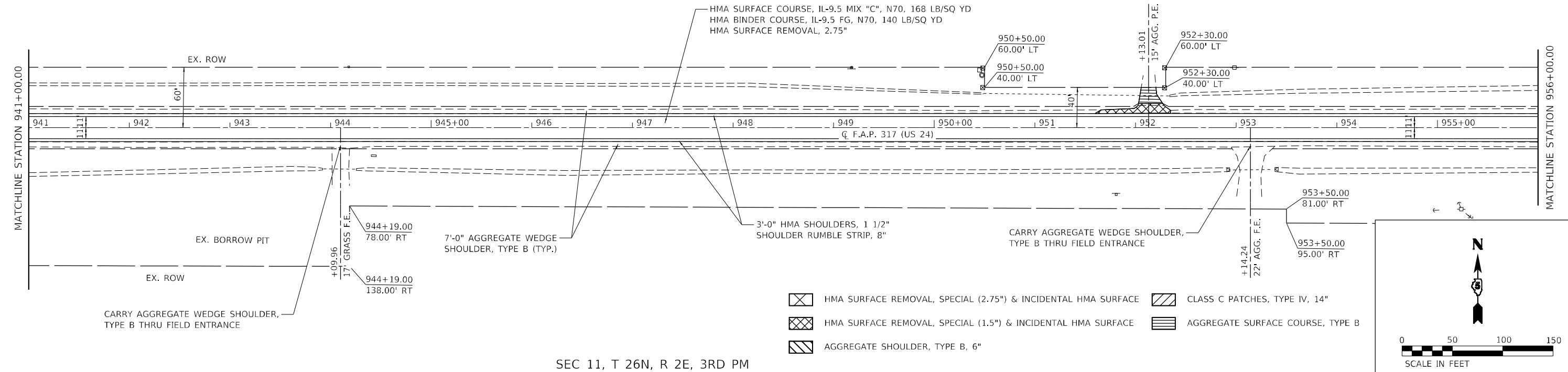
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PLAN US 24	
SCALE: 1"=50'	SHEET 3 OF 10 SHEETS
STA. 911+00.00	TO STA. 941+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	(30, 31)RS-2	MCLEAN	60	20
CONTRACT NO. 70988				
ILLINOIS FED. AID PROJECT				

SEC 2, T 26N, R 2E, 3RD PM

RIGHT OF WAY BASED OFF AS-BUILTS.
ACTUAL LIMITS MAY VARY.

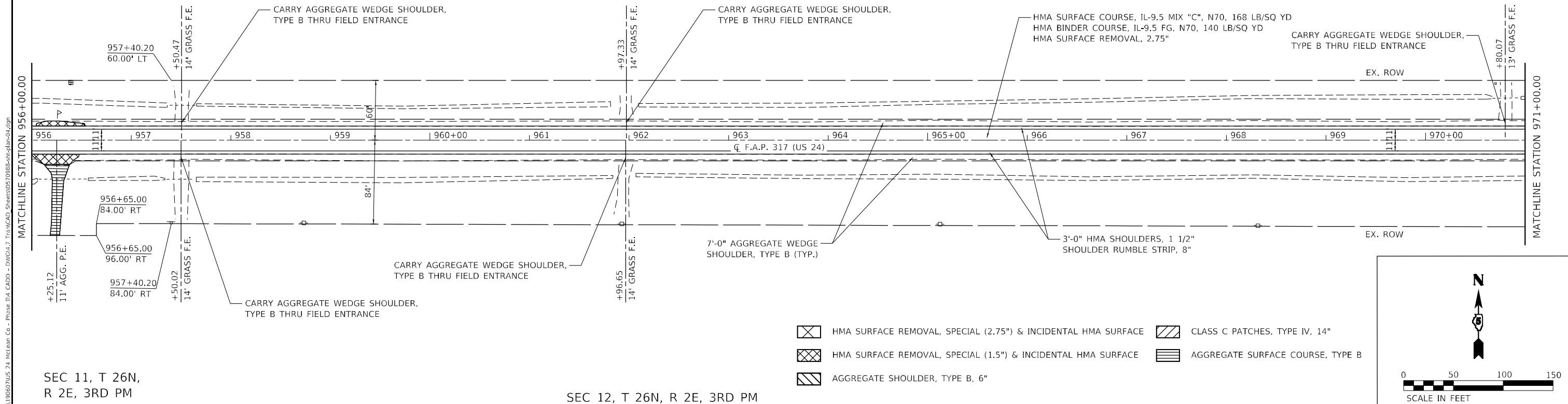


SEC 11, T 26N, R 2E, 3RD PM

SEC 2, T 26N,
R 2E, 3RD PM

SEC 1, T 26N, R 2E, 3RD PM

RIGHT OF WAY BASED OFF AS-BUILTS.
ACTUAL LIMITS MAY VARY.



SEC 11, T 26N,
R 2E, 3RD PM

SEC 12, T 26N, R 2E, 3RD PM

- HMA SURFACE REMOVAL, SPECIAL (2.75") & INCIDENTAL HMA SURFACE
- HMA SURFACE REMOVAL, SPECIAL (1.5") & INCIDENTAL HMA SURFACE
- AGGREGATE SHOULDER, TYPE B, 6"
- CLASS C PATCHES, TYPE IV, 14"
- AGGREGATE SURFACE COURSE, TYPE B

MODEL: D:\p1\11190607\US 24 - McLean Co. - Phase III CAD - DWG\4.7 Trim\CAD_Sheet10570988-Sub-04.dwg
 FILE NAME: P:\2021\11190607\US 24 - McLean Co. - Phase III CAD - DWG\4.7 Trim\CAD_Sheet10570988-Sub-04.dwg



TWM, INC.
 www.twm-inc.com
 IL DESIGN FIRM
 LICENSE NO: 184-001220
 USER NAME = bbillhartz
 PLOT SCALE = 100,0000' / in.
 PLOT DATE = 12/14/2021

DESIGNED -	REVISD -
DRAWN -	REVISD -
CHECKED -	REVISD -
DATE -	REVISD -

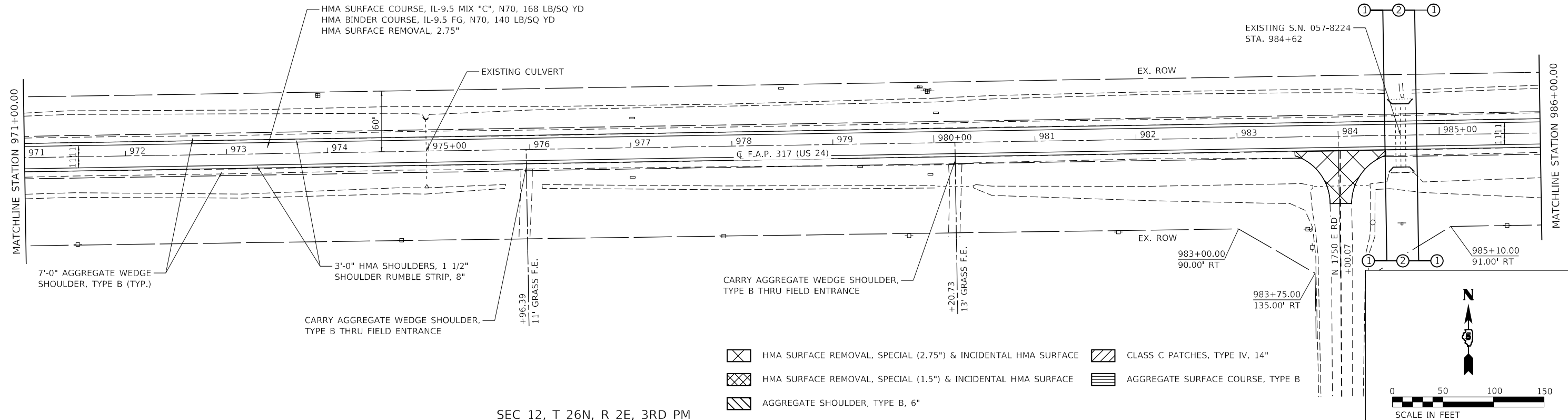
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN US 24	
SCALE: 1"=50'	SHEET 4 OF 10 SHEETS
STA. 941+00.00	TO STA. 971+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	(30, 31)RS-2	MCLEAN	60	21
CONTRACT NO. 70988				
ILLINOIS FED. AID PROJECT				

SEC 1, T 26N, R 2E, 3RD PM

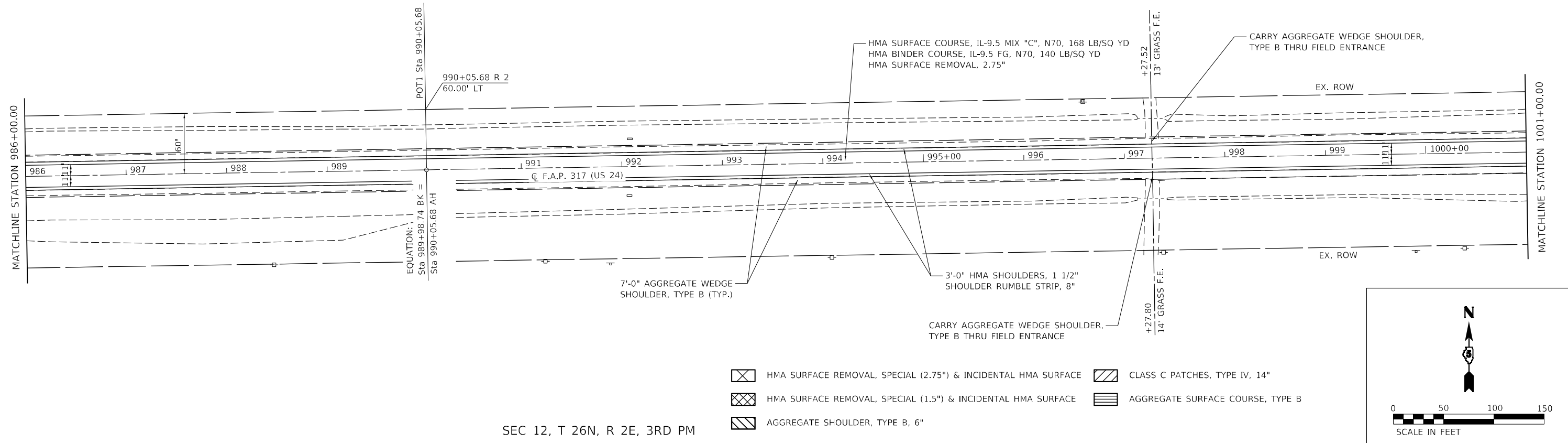
RIGHT OF WAY BASED OFF AS-BUILTS.
ACTUAL LIMITS MAY VARY.



SEC 12, T 26N, R 2E, 3RD PM

SEC 1, T 26N, R 2E, 3RD PM

RIGHT OF WAY BASED OFF AS-BUILTS.
ACTUAL LIMITS MAY VARY.



SEC 12, T 26N, R 2E, 3RD PM

MODEL: D:\p\h\h\... FILE NAME: P:\2021\1190607\US 24_McLean_Co... Phase 114_CADD - DWG\4.7_Trim\CADD_Sheets\0570988-Sub-01-05.dwg



USER NAME =	bbillhartz
PLOT SCALE =	100,0000' / in.
PLOT DATE =	12/14/2021

DESIGNED -	REVISIONS -
DRAWN -	REVISIONS -
CHECKED -	REVISIONS -
DATE -	REVISIONS -

DESIGNED -	REVISIONS -
DRAWN -	REVISIONS -
CHECKED -	REVISIONS -
DATE -	REVISIONS -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PLAN
US 24**

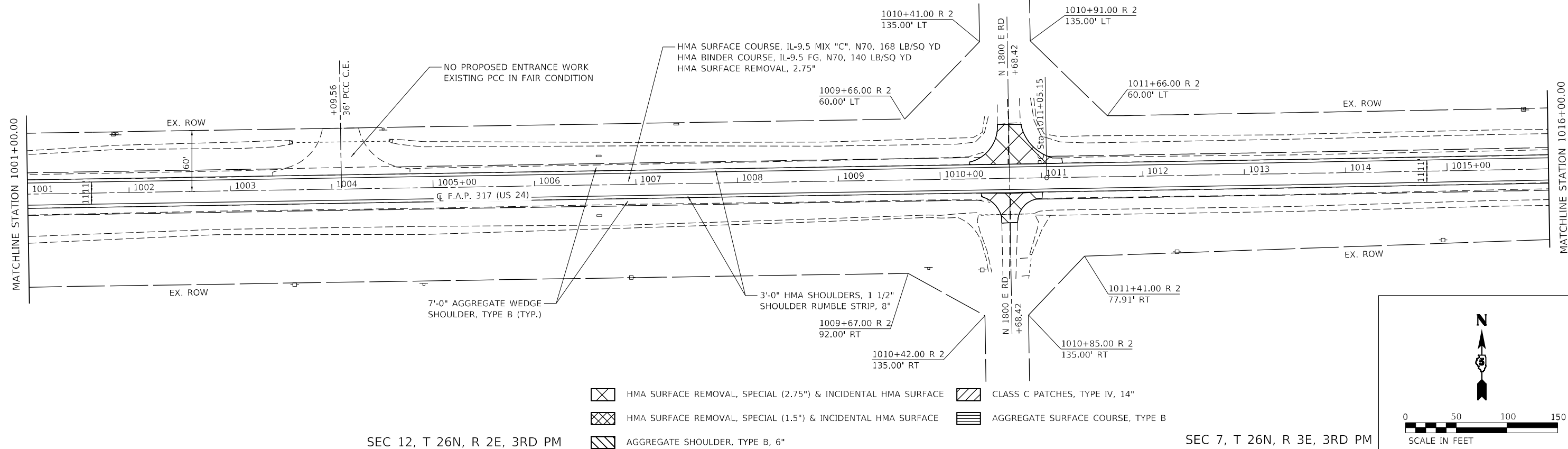
SCALE: 1"=50' SHEET 5 OF 10 SHEETS STA. 971+00.00 TO STA. 1001+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	(30, 31)RS-2	MCLEAN	60	22
CONTRACT NO. 70988				
ILLINOIS FED. AID PROJECT				

SEC 1, T 26N, R 2E, 3RD PM

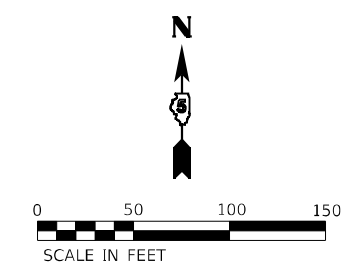
SEC 6, T 26N, R 3E, 3RD PM

RIGHT OF WAY BASED OFF AS-BUILTS.
ACTUAL LIMITS MAY VARY.



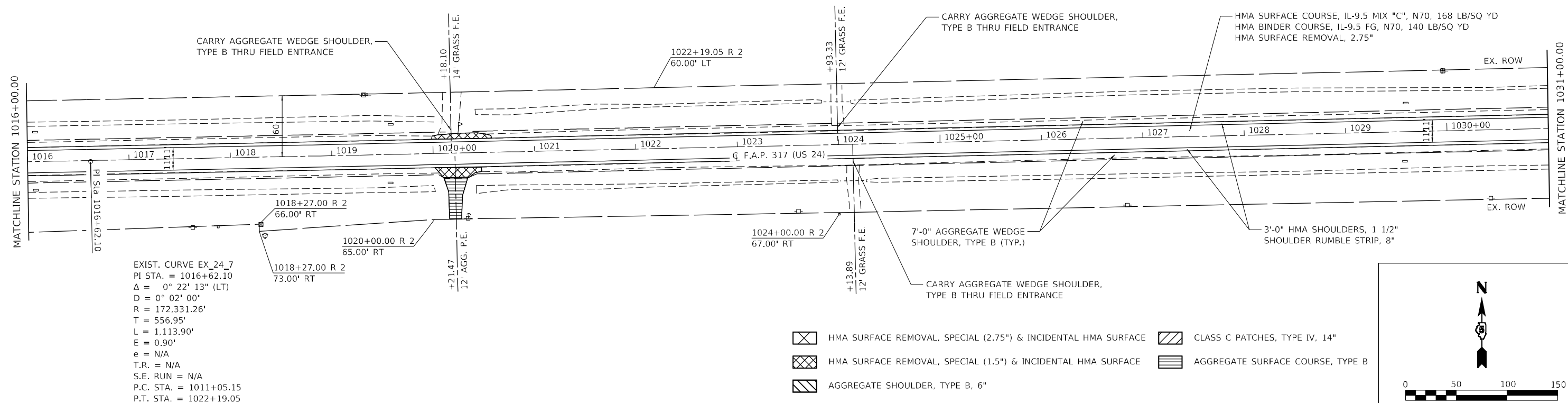
SEC 12, T 26N, R 2E, 3RD PM

SEC 7, T 26N, R 3E, 3RD PM



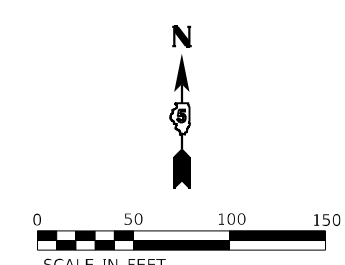
SEC 6, T 26N, R 3E, 3RD PM

RIGHT OF WAY BASED OFF AS-BUILTS.
ACTUAL LIMITS MAY VARY.



EXIST. CURVE EX_24_7
PI STA. = 1016+62.10
 $\Delta = 0^\circ 22' 13''$ (LT)
 $D = 0^\circ 02' 00''$
 $R = 172,331.26'$
 $T = 556.95'$
 $L = 1,113.90'$
 $E = 0.90'$
 $e = N/A$
 $T.R. = N/A$
 $S.E. RUN = N/A$
 $P.C. STA. = 1011+05.15$
 $P.T. STA. = 1022+19.05$

SEC 7, T 26N, R 3E, 3RD PM



MODEL: Dwg.plt
FILE NAME: P:\2021\190607\US 24_McLean_Co_-_Phase III_CADD - DWG\4.7_Trim/CADD_Sheet10570988-Sub-06.dwg



USER NAME =	bbillhartz	DESIGNED -		REVISED -	
PLOT SCALE =	100,0000' / in.	DRAWN -		REVISED -	
PLOT DATE =	12/14/2021	CHECKED -		REVISED -	
		DATE -		REVISED -	

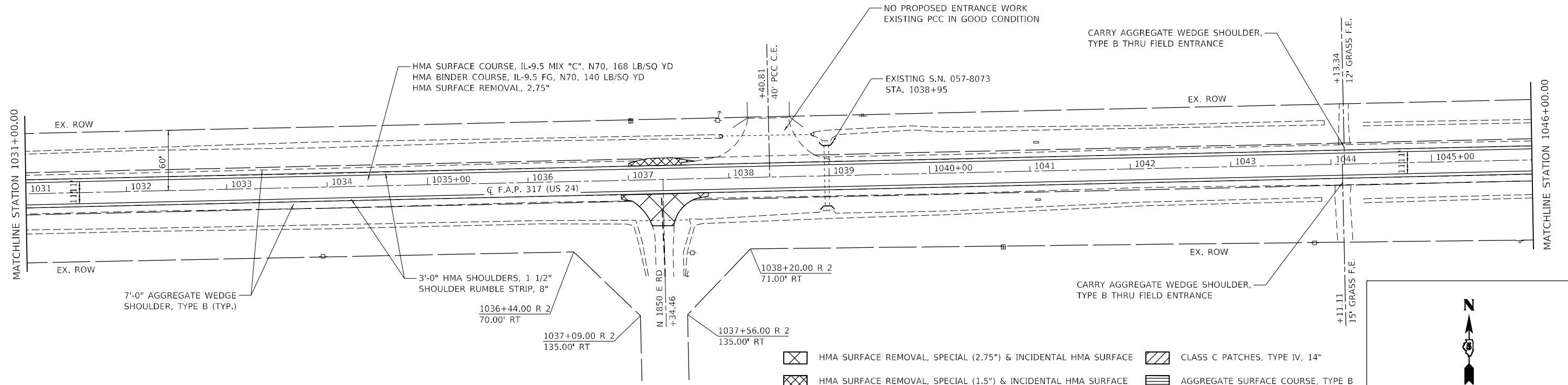
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE: 1"=50'		SHEET 6 OF 10 SHEETS		STA. 1001+00.00 TO STA. 1031+00.00	
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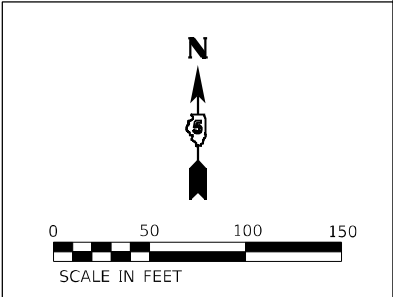
F.A.P. RTE. 317	SECTION (30, 31)RS-2	COUNTY MCLEAN	TOTAL SHEETS 60	SHEET NO. 23
CONTRACT NO. 70988				
ILLINOIS FED. AID PROJECT				

SEC 6, T 26N, R 3E, 3RD PM

RIGHT OF WAY BASED OFF AS-BUILTS.
ACTUAL LIMITS MAY VARY.



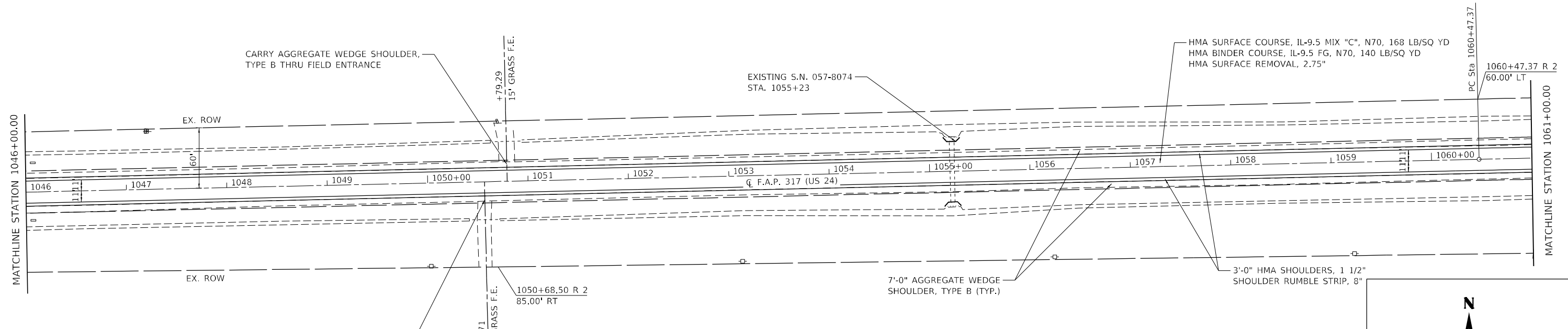
- HMA SURFACE REMOVAL, SPECIAL (2.75\") & INCIDENTAL HMA SURFACE
- HMA SURFACE REMOVAL, SPECIAL (1.5\") & INCIDENTAL HMA SURFACE
- AGGREGATE SHOULDER, TYPE B, 6"
- CLASS C PATCHES, TYPE IV, 14"
- AGGREGATE SURFACE COURSE, TYPE B



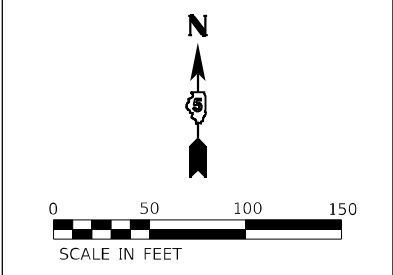
SEC 7, T 26N, R 3E, 3RD PM

SEC 6, T 26N, R 3E, 3RD PM

RIGHT OF WAY BASED OFF AS-BUILTS.
ACTUAL LIMITS MAY VARY.



- HMA SURFACE REMOVAL, SPECIAL (2.75\") & INCIDENTAL HMA SURFACE
- HMA SURFACE REMOVAL, SPECIAL (1.5\") & INCIDENTAL HMA SURFACE
- AGGREGATE SHOULDER, TYPE B, 6"
- CLASS C PATCHES, TYPE IV, 14"
- AGGREGATE SURFACE COURSE, TYPE B



SEC 7, T 26N, R 3E, 3RD PM

MODEL: D:\p\11\110607\US 24_McLean_Co - Phase B\4_CADD - DWG\4.7_Trim\CAD_Sheet10570988-Sub-07.dwg
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USER NAME = bbillhartz	DESIGNED -	REVISED -
PLOT SCALE = 100,0000' / in.	DRAWN -	REVISED -
PLOT DATE = 12/14/2021	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

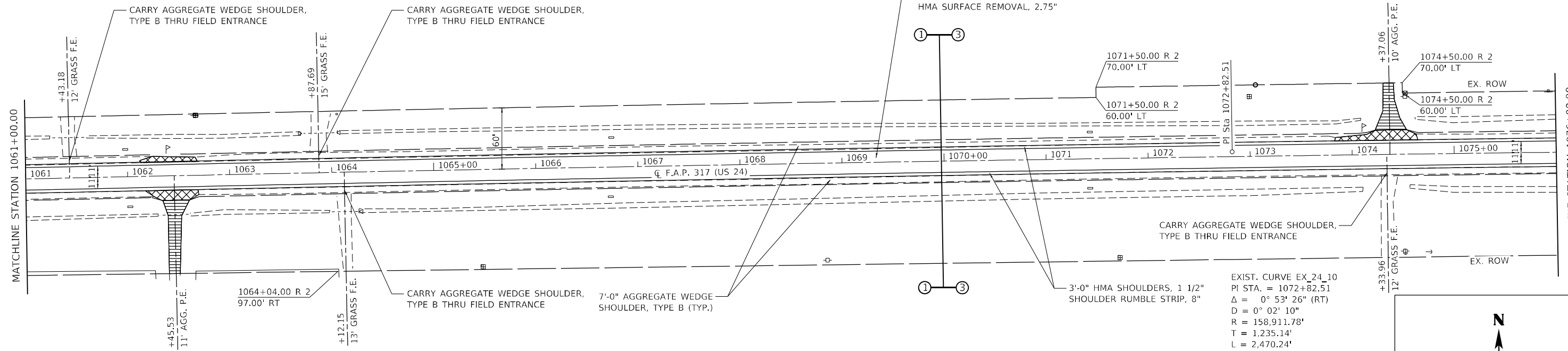
SCALE: 1"=50'		SHEET 7 OF 10 SHEETS		STA. 1031+00.00 TO STA. 1061+00.00	
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F.A.P. RTE. 317	SECTION (30, 31)RS-2	COUNTY MCLEAN	TOTAL SHEETS 60	SHEET NO. 24
CONTRACT NO. 70988				
ILLINOIS FED. AID PROJECT				

SEC 6, T 26N, R 3E, 3RD PM

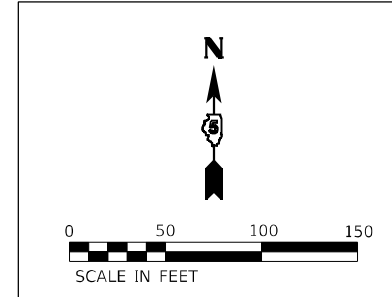
SEC 5, T 26N, R 3E, 3RD PM

RIGHT OF WAY BASED OFF AS-BUILTS. ACTUAL LIMITS MAY VARY.



- HMA SURFACE REMOVAL, SPECIAL (2.75\") & INCIDENTAL HMA SURFACE
- HMA SURFACE REMOVAL, SPECIAL (1.5\") & INCIDENTAL HMA SURFACE
- AGGREGATE SHOULDER, TYPE B, 6\"/>
- CLASS C PATCHES, TYPE IV, 14\"/>
- AGGREGATE SURFACE COURSE, TYPE B

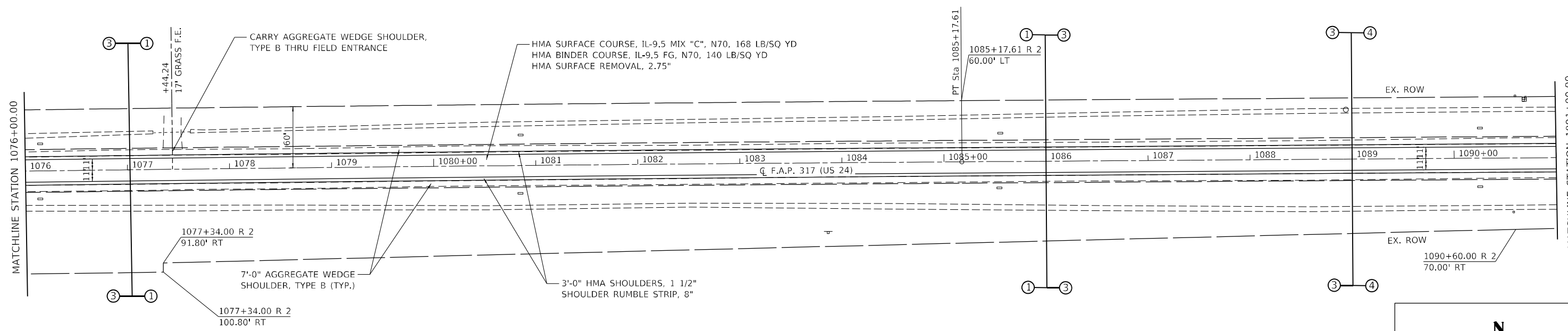
EXIST. CURVE EX_24_10
 PI STA. = 1072+82.51
 Δ = 0° 53' 26\" (RT)
 D = 0° 02' 10\"
 R = 158,911.78'
 T = 1,235.14'
 L = 2,470.24'
 E = 4.80'
 e = N/A
 $T.R.$ = N/A
 $S.E. RUN$ = N/A
 $P.C. STA.$ = 1060+47.37
 $P.T. STA.$ = 1085+17.61



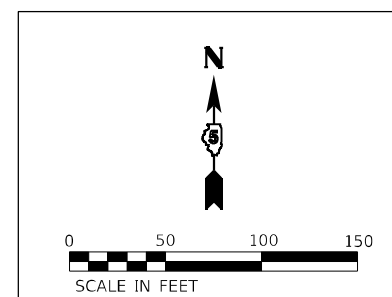
SEC 7, T 26N, R 3E, 3RD PM

SEC 8, T 26N, R 3E, 3RD PM

RIGHT OF WAY BASED OFF AS-BUILTS. ACTUAL LIMITS MAY VARY.



- HMA SURFACE REMOVAL, SPECIAL (2.75\") & INCIDENTAL HMA SURFACE
- HMA SURFACE REMOVAL, SPECIAL (1.5\") & INCIDENTAL HMA SURFACE
- AGGREGATE SHOULDER, TYPE B, 6\"/>
- CLASS C PATCHES, TYPE IV, 14\"/>
- AGGREGATE SURFACE COURSE, TYPE B



SEC 8, T 26N, R 3E, 3RD PM

MODEL: D:\p1\190607\US 24_McLean_Co_-_Phase III_4_CADD - DWG\4.7_Trim/CADD_Sheets\0570988-Sub-e-bn-08.dwg



USER NAME = bbillhartz	DESIGNED -	REVISED -
PLOT SCALE = 100,0000' / in.	DRAWN -	REVISED -
PLOT DATE = 12/14/2021	CHECKED -	REVISED -
	DATE -	REVISED -

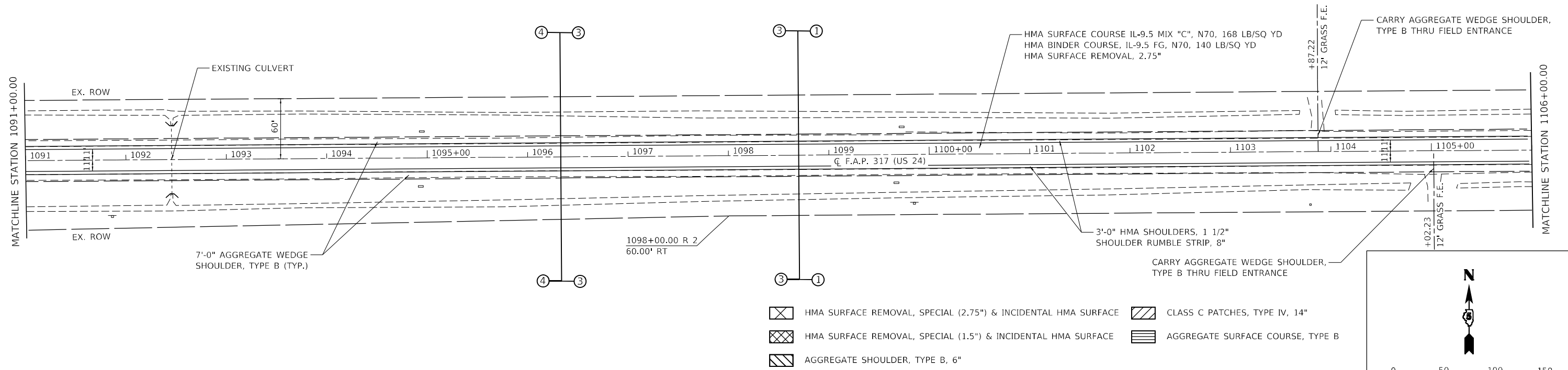
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

PLAN US 24	
SCALE: 1"=50'	SHEET 8 OF 10 SHEETS
STA. 1061+00.00	TO STA. 1091+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	(30, 31)RS-2	MCLEAN	60	25
CONTRACT NO. 70988				
ILLINOIS FED. AID PROJECT				

SEC 5, T 26N, R 3E, 3RD PM

RIGHT OF WAY BASED OFF AS-BUILTS.
ACTUAL LIMITS MAY VARY.

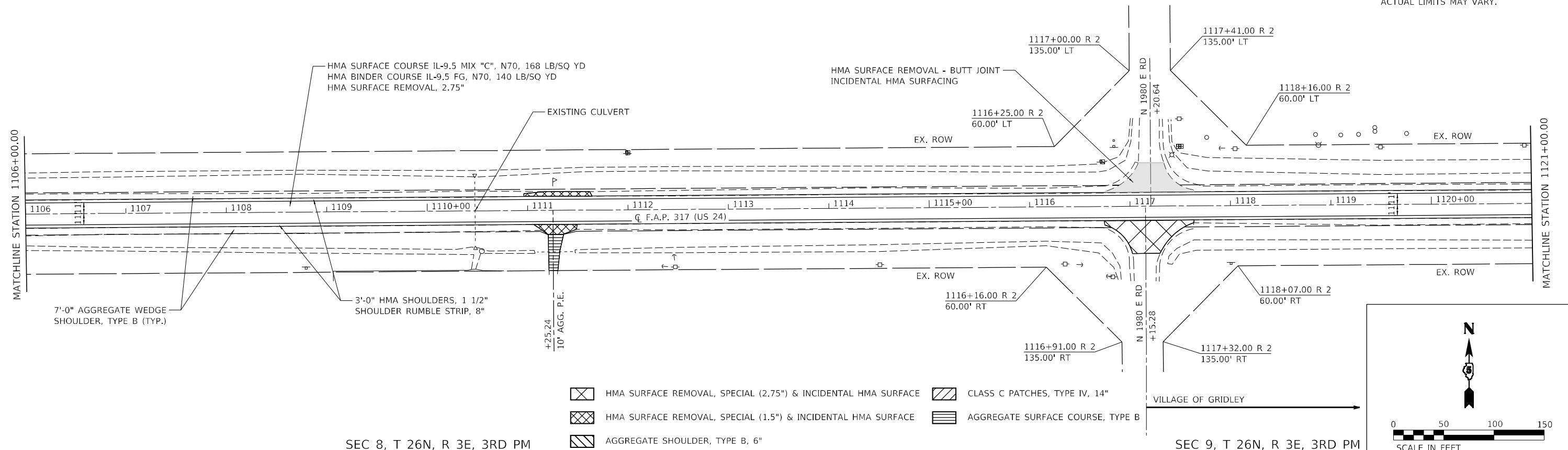


SEC 8, T 26N, R 3E, 3RD PM

SEC 5, T 26N, R 3E, 3RD PM

SEC 4, T 26N, R 3E, 3RD PM

RIGHT OF WAY BASED OFF AS-BUILTS.
ACTUAL LIMITS MAY VARY.



SEC 8, T 26N, R 3E, 3RD PM

SEC 9, T 26N, R 3E, 3RD PM

MODEL: Dwg.plt
 FILE NAME: P:\2021\1910607\US 24_McLean_Co - Phase III CAD - DWG\4.7_Trim\CAD_Sheet10570988-Sub-09.dwg
 McLean Co. - Phase III CAD - DWG\4.7_Trim\CAD_Sheet10570988-Sub-09.dwg



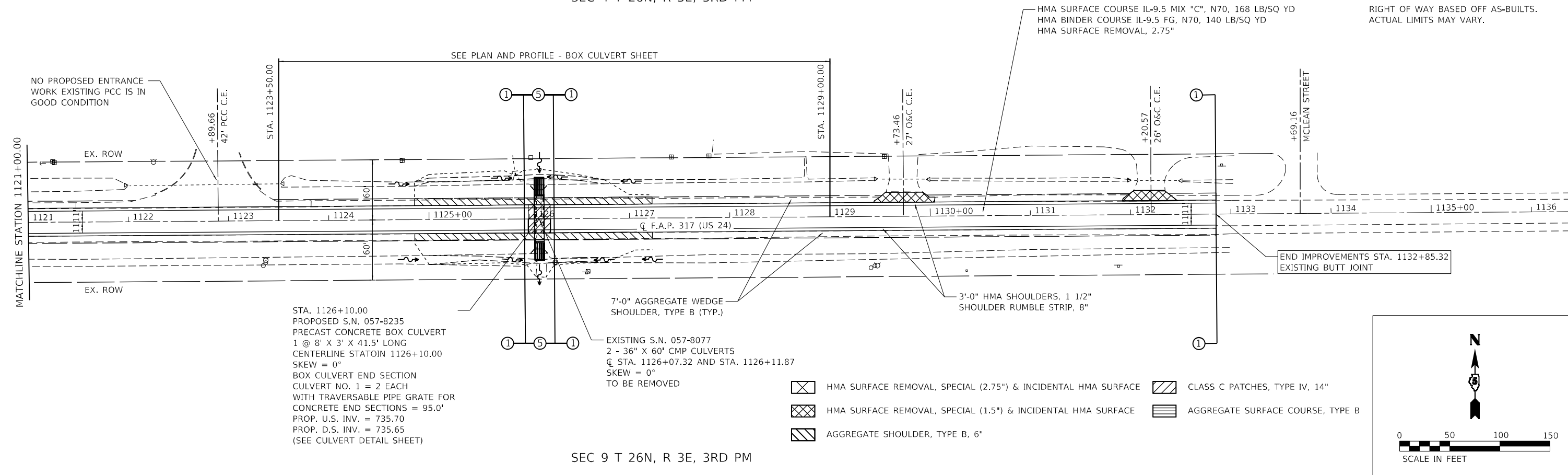
USER NAME = bblilhartz	DESIGNED -	REVISED -
PLOT SCALE = 100,0000' / in.	DRAWN -	REVISED -
PLOT DATE = 12/14/2021	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PLAN
US 24**

SCALE: 1"=50' SHEET 9 OF 10 SHEETS STA. 1091+00.00 TO STA. 1121+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	(30, 31)RS-2	MCLEAN	60	26
CONTRACT NO. 70988				
ILLINOIS FED. AID PROJECT				



RIGHT OF WAY BASED OFF AS-BUILTS.
ACTUAL LIMITS MAY VARY.

SEE PLAN AND PROFILE - BOX CULVERT SHEET

STA. 1126+10.00
PROPOSED S.N. 057-8235
PRECAST CONCRETE BOX CULVERT
1 @ 8' X 3' X 41.5' LONG
CENTERLINE STATOIN 1126+10.00
SKEW = 0°
BOX CULVERT END SECTION
CULVERT NO. 1 = 2 EACH
WITH TRAVERSABLE PIPE GRATE FOR
CONCRETE END SECTIONS = 95.0'
PROP. U.S. INV. = 735.70
PROP. D.S. INV. = 735.65
(SEE CULVERT DETAIL SHEET)

EXISTING S.N. 057-8077
2 - 36" X 60" CMP CULVERTS
Q. STA. 1126+07.32 AND STA. 1126+11.87
SKEW = 0°
TO BE REMOVED

- HMA SURFACE REMOVAL, SPECIAL (2.75") & INCIDENTAL HMA SURFACE
- HMA SURFACE REMOVAL, SPECIAL (1.5") & INCIDENTAL HMA SURFACE
- AGGREGATE SHOULDER, TYPE B, 6"
- CLASS C PATCHES, TYPE IV, 14"
- AGGREGATE SURFACE COURSE, TYPE B

MODEL: Default
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USER NAME = bbillhartz
 PLOT SCALE = 100,0000' / in.
 PLOT DATE = 12/14/2021

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

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE: 1"=50'		SHEET 10 OF 10 SHEETS		STA. 1121+00.00 TO STA. 1132+85.32	
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F.A.P. RTE. 317	SECTION (30, 31)RS-2	COUNTY MCLEAN	TOTAL SHEETS 60	SHEET NO. 27
CONTRACT NO. 70988				
ILLINOIS FED. AID PROJECT				







BENCHMARK: CHISELED SQUARE ON THE NORTHEAST CORNER OF THE NORTH HEADWALL OF STRUCTURE NO. 057-8072. STA. 984+69.75, 31.20' LT. VERTICAL DATUM = NAVD 88. ELEV = 727.042

STA. 1126+10.00
 PROPOSED S.N. 057-8235
 PRECAST CONCRETE BOX CULVERT
 1 @ 8' X 3' X 41.5' LONG
 CENTERLINE STATION 1126+10.00
 SKEW = 0°
 BOX CULVERT END SECTION
 CULVERT NO. 1 = 2 EACH
 WITH TRAVERSABLE PIPE GRATE FOR
 CONCRETE END SECTIONS = 95.0'
 PROP. U.S. INV. = 735.70
 PROP. D.S. INV. = 735.65

EXISTING PIPE OUTLET AND
 CONCRETE PAD TO REMAIN

EXISTING S.N. 057-8077
 2 - 36" x 60' CMP CULVERTS
 C STA. 1126+07.32 AND STA. 1126+11.87
 SKEW = 0°
 REMOVAL OF EXISTING STRUCTURES NO. 1

HMA SURFACE COURSE, IL-9.5 MIX "C", N70, 168 LB/SQ YD
 HMA BINDER COURSE, IL-9.5 FG, N70, 140 LB/SQ YD
 HMA SURFACE REMOVAL, 2.75"

-  PR. AGGREGATE SHOULDERS, TYPE B, 6"
-  PR. CLASS C PATCHES, TYPE IV, 14"
-  PERIMETER EROSION CONTROL BARRIER
-  TEMPORARY DITCH CHECK
-  SEEDING AREA, CLASS 2A
-  INLET & PIPE PROTECTION

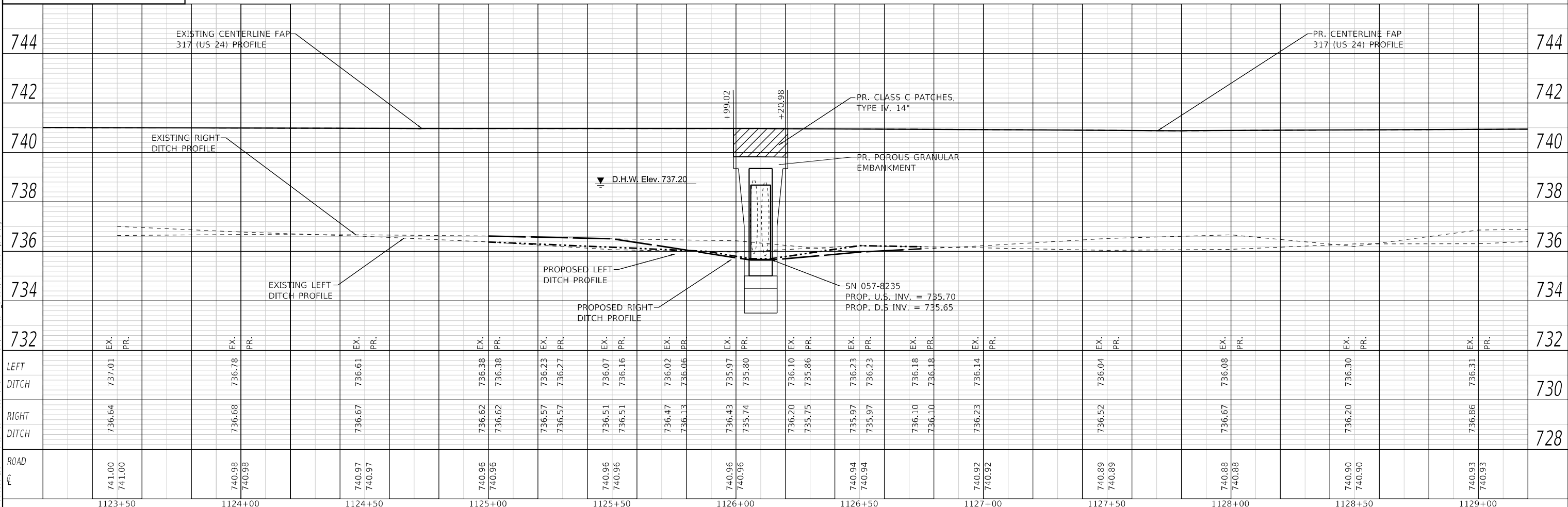
MATCHLINE STATION 1123+50.00

MATCHLINE STATION 1129+00.00



PLAN	SURVEYED	DATE
	PLOTTED	BY
	ALIGNMENT CHECKED	
	GRADE CHECKED	
	STRUCTURE NOTATION CHECKED	
	CADD FILE NAME	
	NO.	

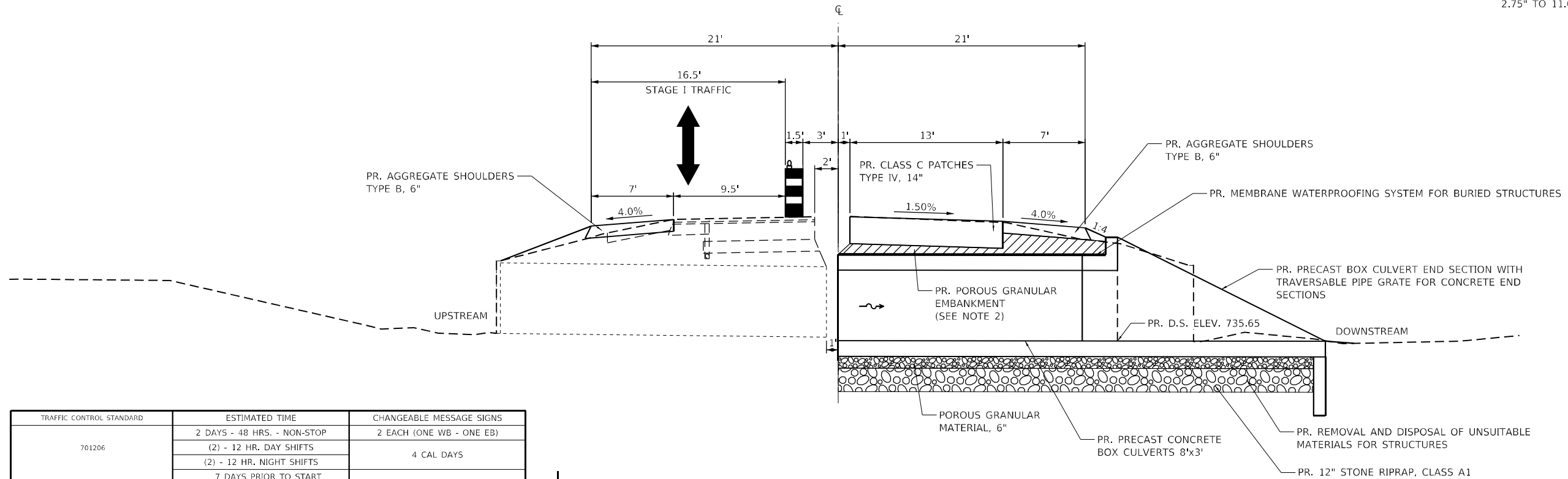
PROFILE	SURVEYED	DATE
	PLOTTED	BY
	GRADES CHECKED	
	STRUCTURE NOTATION CHECKED	
	CADD FILE NAME	
	NO.	



744	EXISTING CENTERLINE FAP 317 (US 24) PROFILE		744
742			742
740	EXISTING RIGHT DITCH PROFILE		740
738	D.H.W. Elev. 737.20		738
736	EXISTING LEFT DITCH PROFILE		736
734	PROPOSED LEFT DITCH PROFILE		734
732	PROPOSED RIGHT DITCH PROFILE		732
730	PR. CLASS C PATCHES, TYPE IV, 14"		730
728	PR. POROUS GRANULAR EMBANKMENT		728
	SN 057-8235 PROP. U.S. INV. = 735.70 PROP. D.S. INV. = 735.65		

TYPICAL STAGING DETAILS SN 057-8235 STAGE 1

- NOTES:
 1. HIGH EARLY STRENGTH CONCRETE MIX SHALL BE USED FOR THE CONSTRUCTION OF THE CLASS C PATCHES
 2. POROUS GRANULAR EMBANKMENT VARIES 2.75" TO 11.0"



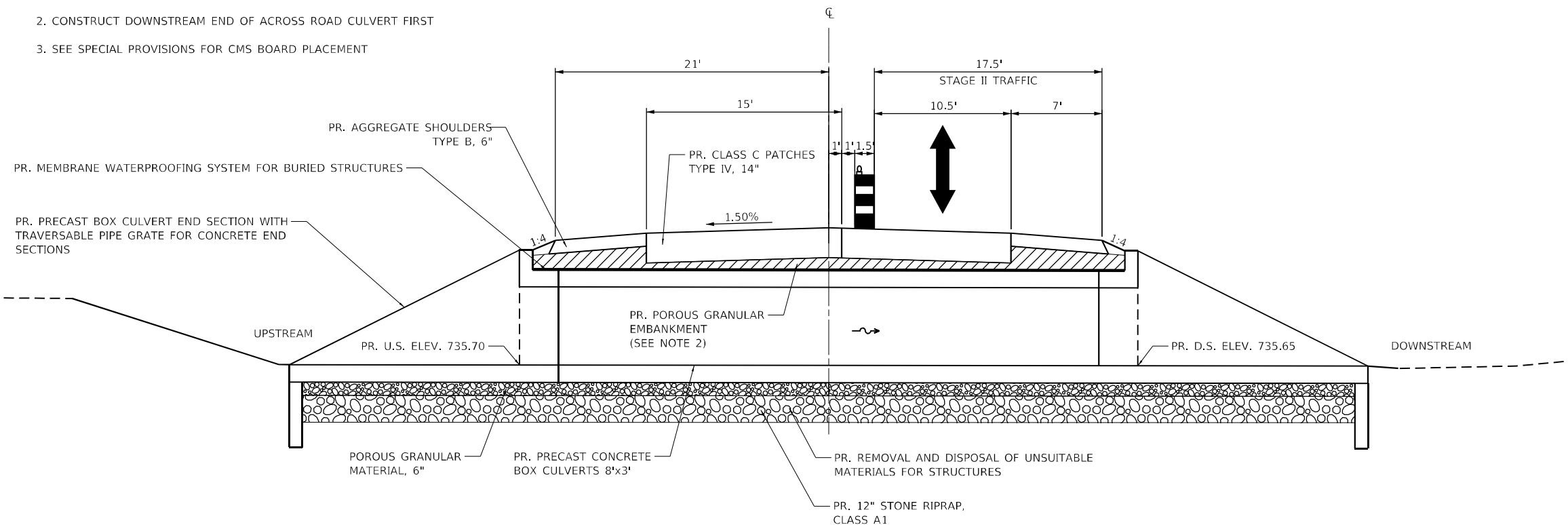
TRAFFIC CONTROL STANDARD	ESTIMATED TIME	CHANGEABLE MESSAGE SIGNS
701206	2 DAYS - 48 HRS. - NON-STOP	2 EACH (ONE WB - ONE EB)
	(2) - 12 HR. DAY SHIFTS	4 CAL DAYS
	(2) - 12 HR. NIGHT SHIFTS	
	7 DAYS PRIOR TO START OF CULVERT WORK	14 CAL DAYS

NOTES

- REFER TO SPECIAL PROVISIONS FOR TRAFFIC CONTROL AND PROTECTION, STANDARD 701206 AND STAGE CONSTRUCTION ACROSS ROAD STRUCTURES FOR ADDITIONAL INFORMATION
- CONSTRUCT DOWNSTREAM END OF ACROSS ROAD CULVERT FIRST
- SEE SPECIAL PROVISIONS FOR CMS BOARD PLACEMENT

TYPICAL STAGING DETAILS SN 057-8235 STAGE 2

- NOTES:
 1. HIGH EARLY STRENGTH CONCRETE MIX SHALL BE USED FOR THE CONSTRUCTION OF THE CLASS C PATCHES
 2. POROUS GRANULAR EMBANKMENT VARIES 2.75" TO 11.0"



MODEL: D:\p\h\11190607\US 24_McLean_Co - Phase III_CADD - DWG\4.7_Traffic\CAD_Sheets\0570988-ent-stage1-pr-01.dgn
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


USER NAME = bhillhartz	DESIGNED -	REVISED -
PLOT SCALE = 10,0000 * / in.	DRAWN -	REVISED -
PLOT DATE = 12/14/2021	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

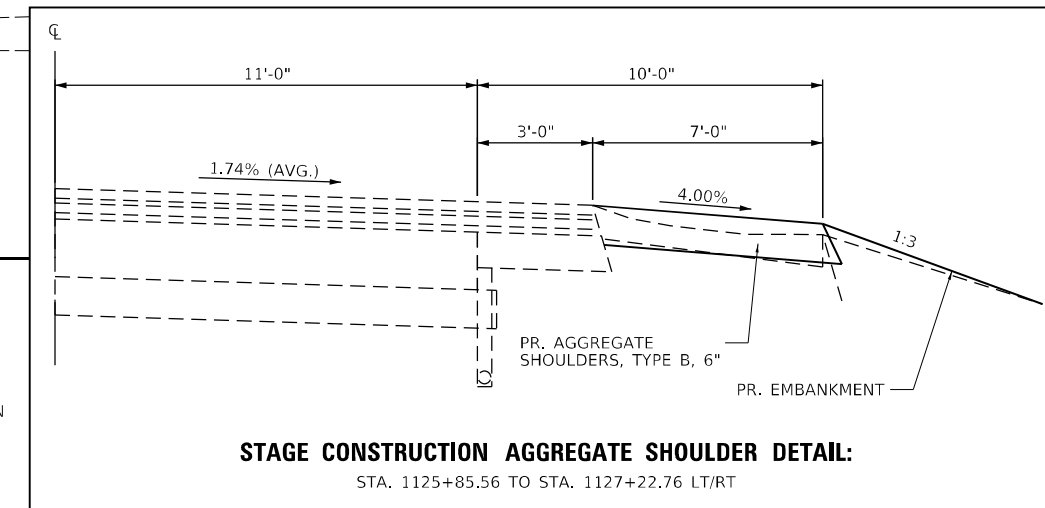
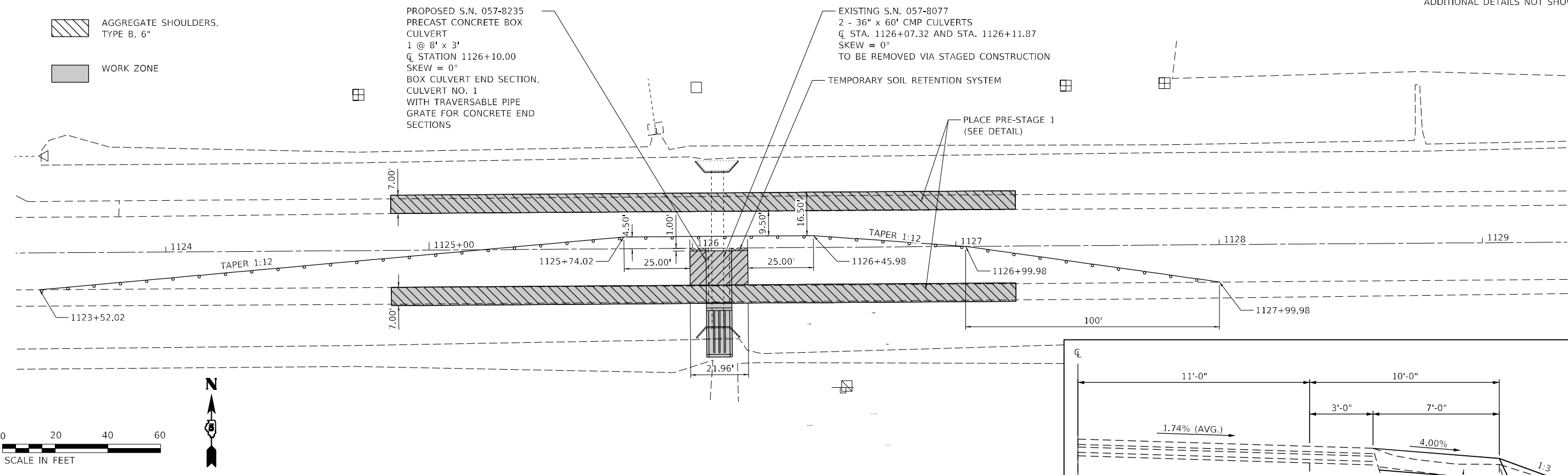
STAGING DETAILS	
S.N. 057-8077 (EX) S.N. 057-8235 (PR)	
SCALE: N.A.	SHEET 1 OF 1 SHEETS STA. TO STA.




F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	(30, 31)RS-2	MCLEAN	60	29
CONTRACT NO. 70988				
ILLINOIS FED. AID PROJECT				

NOTE:
SEE HIGHWAY STANDARDS 701206 FOR
ADDITIONAL DETAILS NOT SHOWN

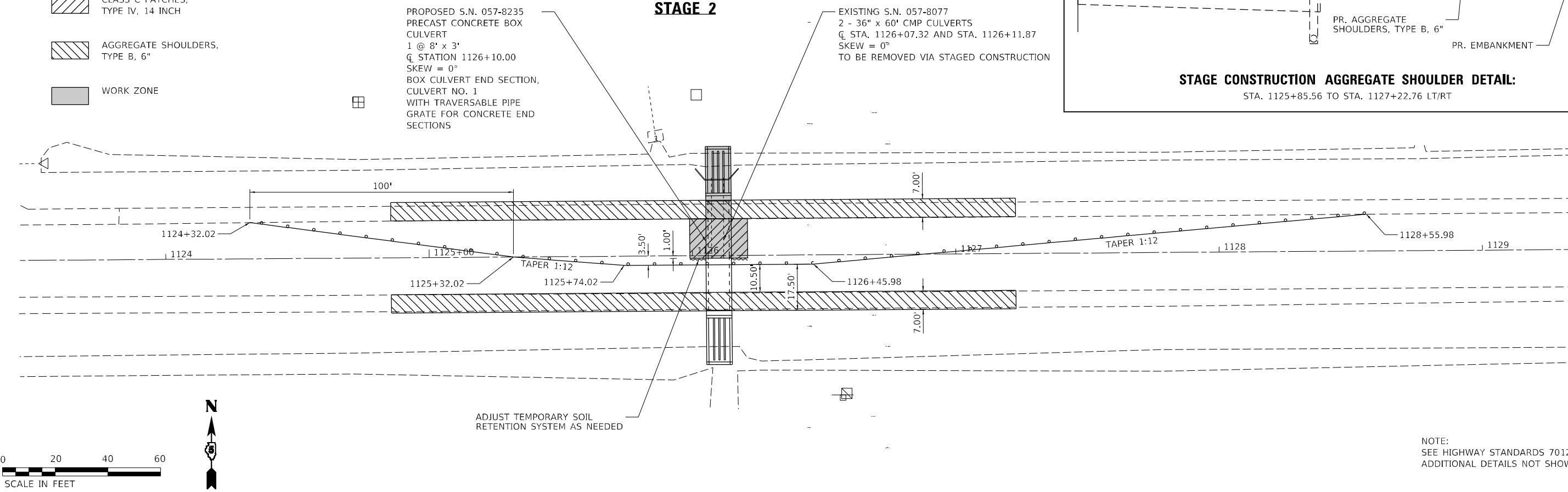
-  CLASS C PATCHES,
TYPE IV, 14 INCH
-  AGGREGATE SHOULDERS,
TYPE B, 6"
-  WORK ZONE

STAGE 1



-  CLASS C PATCHES,
TYPE IV, 14 INCH
-  AGGREGATE SHOULDERS,
TYPE B, 6"
-  WORK ZONE

STAGE 2



NOTE:
SEE HIGHWAY STANDARDS 701206 FOR
ADDITIONAL DETAILS NOT SHOWN

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184-001220

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PLOT DATE = 12/14/2021	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TRAFFIC CONTROL PLAN
S.N. 057-8077 (EX) S.N. 057-8235 (PR)

SCALE: 1"=20' SHEET 2 OF 2 SHEETS STA. 1123+00.00 TO STA. 1129+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	(30, 31)RS-2	MCLEAN	60	30
CONTRACT NO. 70988				
ILLINOIS FED. AID PROJECT				

Benchmark: Chiseled Square on the Northeast Corner of the North Headwall of Str. No. 057-8072. STA. 984+69.75, 31.20' LT. Vertical Datum = NAVD 88, ELEV. = 727.042.

Existing Structure: Dual 36" CMP Culverts with Cast-in-Place Headwalls

INDEX OF SHEETS

1. General Plan and Elevation
- 2.-3. Single Cell Precast Box Culvert Tapered End Sections
- 4.-5. Traversable Pipe Grate For Box Culverts
6. Porous Granular Embankment Detail
7. As Built Plans

DESIGN SPECIFICATIONS

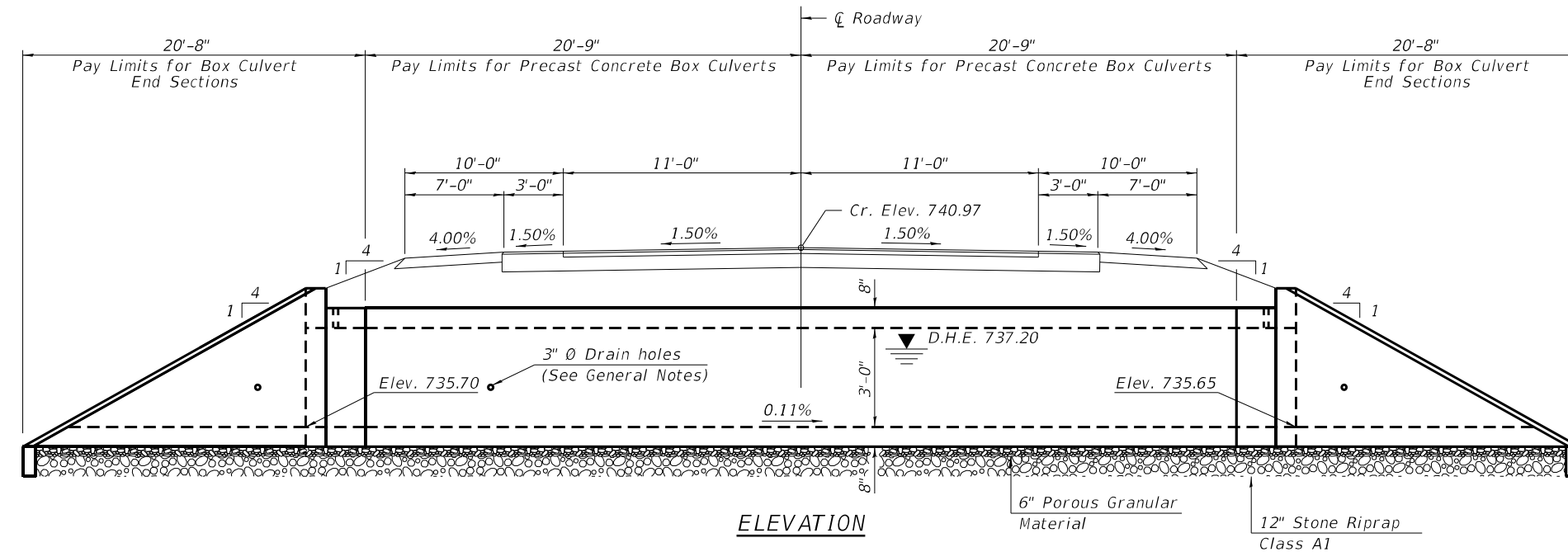
2020 AASHTO LRFD Bridge Design Specifications
Customary U.S. Units, 9th Edition

LOADING HL-93

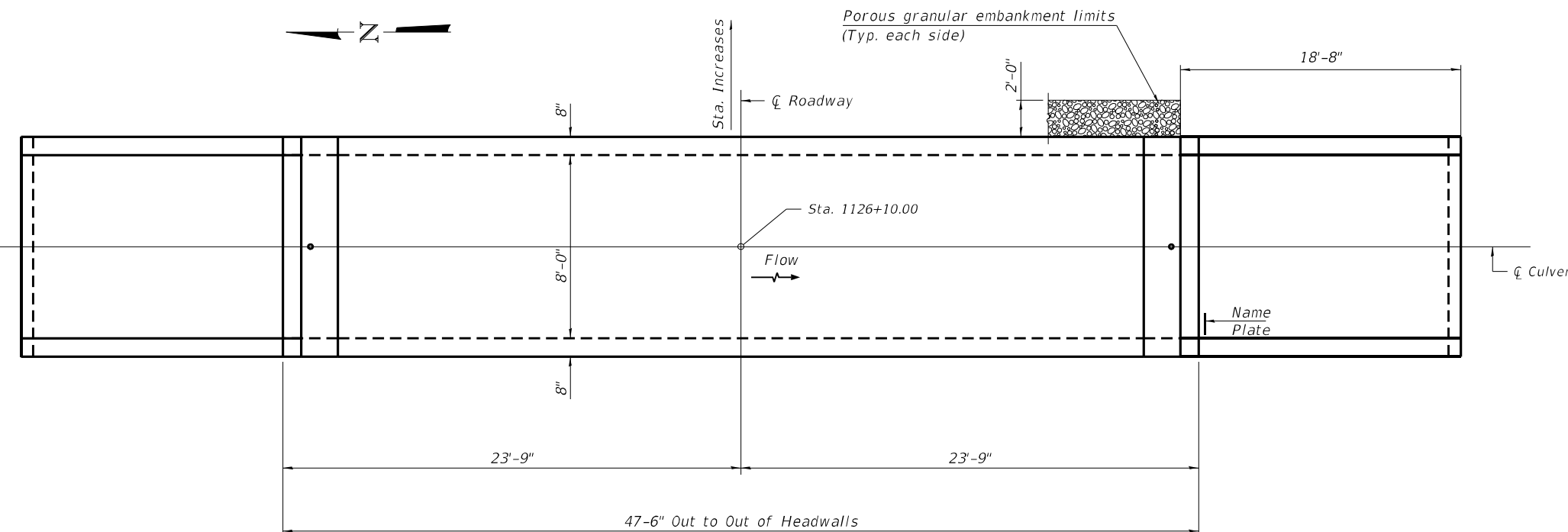
DESIGN STRESSES

PRECAST UNITS

$f'_c = 5,000$ psi
 $f_y = 65,000$ psi (Welded Wire Reinforcement)



ELEVATION



PLAN

GENERAL NOTES

The design fill height for this box is 1.63 ft. The precast box culvert sections shall conform to the requirements of ASTM C 1577.
Drain holes shall be provided on exterior culvert walls for each precast box segment with a clear rise greater than 3 ft. The drain hole shall be located within 1/3 of the clear rise of the box culvert, shall not intercept the haunch, and shall conform to the requirements of Article 503.11 of the Standard Specification.
Nonwoven geotextile fabric shall conform to the requirements of Art. 1080.01 of the Standard Specifications. The minimum weight of the fabric shall be 6 ounces per square yard.
Precast concrete box culverts and box culvert end sections shall be backfilled with Porous Granular Embankment in the required excavation areas on the sides of the box culvert from the top of the box culvert to the bottom of the box culvert. This area of PGE is included in the Porous Granular Embankment pay item. The 6-inch thick layer of porous granular material required under the precast concrete box culvert, according to Section 540.06 of the standard specifications, shall also apply to the end sections. Cost of this porous granular material will not be paid for separately but shall be included in the unit price of the work for which it is required.

STATION 1126+10.00
BUILT 202X BY
STATE OF ILLINOIS
F.A.P. RT. 317 SEC. (30,31)RS-2
LOADING HL-93
STR. NO. 057-8235

NAME PLATE
See Std. 515001



TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
Removal of Existing Structures No. 1	Each	1
Name Plates	Each	1
Box Culvert End Sections, Culvert No. 1	Each	2
Precast Concrete Box Culverts, 8' x 3'	Foot	42
Porous Granular Embankment	Cu. Yd.	57
Traversable Pipe Grate for Concrete End Section	Foot	95
Membrane Waterproofing System for Buried Structures	Sq. Yd.	59
Stone Riprap, Class A1	Ton	52
Temporary Soil Retention System	Sq. Ft.	56
Permanent Benchmarks	Each	1
Geocomposite Wall Drain	Sq. Yd.	59

WATERWAY INFORMATION

Drainage Area = 55.0 acre Low Grade Elev. = 740.88 @ Sta. 1127+79.73

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	69.8	5.6	10	737.0	2.3	1.0	739.3	738.0
Base	50	96.6	7.0	12	737.2	3.2	1.4	740.4	738.6
Overtopping	100	111.0	7.4	13	737.3	3.7	1.6	741.0	738.9
Max. Calc.	75	105.6	7.2		737.2	3.7		740.9	
	500	153.5		14	737.4		2.3		739.7

SCB-GPE (MODIFIED)

7-23-2021



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL PLAN AND ELEVATION
S.N. 057-8235; CULVERT NO. 1

SCALE: N.T.S. SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	(30, 31)RS-2	MCLEAN	60	31
CONTRACT NO. 70988				
ILLINOIS FED. AID PROJECT				

GENERAL PLAN AND ELEVATION

US 24 OVER DITCH

F.A.P. RTE. 317 SEC. (30,31)RS-2

MCLEAN COUNTY

STATION 1126+10.00

S.N. 057-8235

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" \emptyset 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.

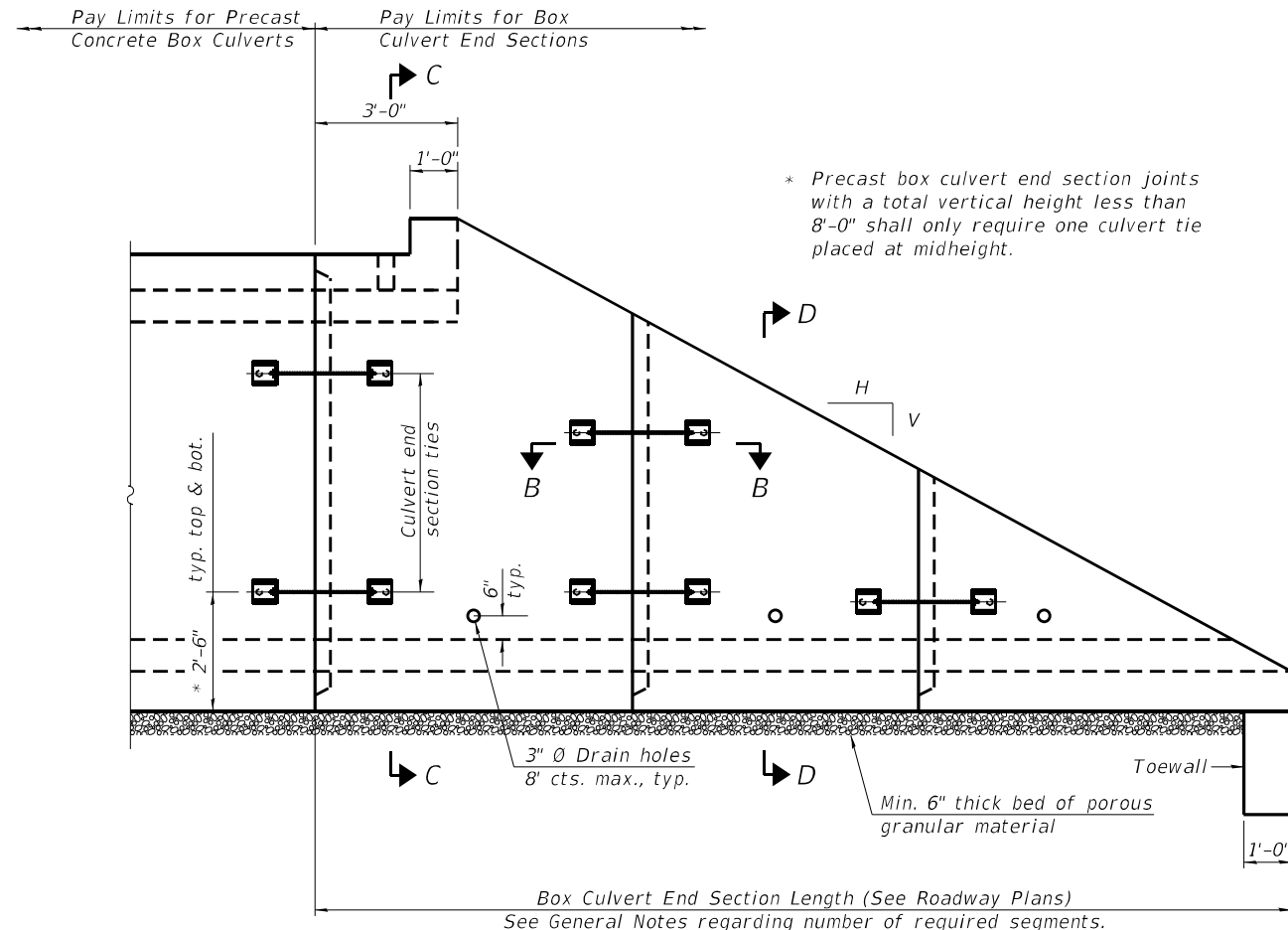
2 1/4" x 2 1/4" x 5/16" plate washers shall be provided under each nut required for the anchor rods. Anchor rods connecting precast sections shall be brought to a snug tight condition followed by an additional 1/2 turn on one of the nuts for anchor rods installed in the walls. Match marks shall be provided 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.

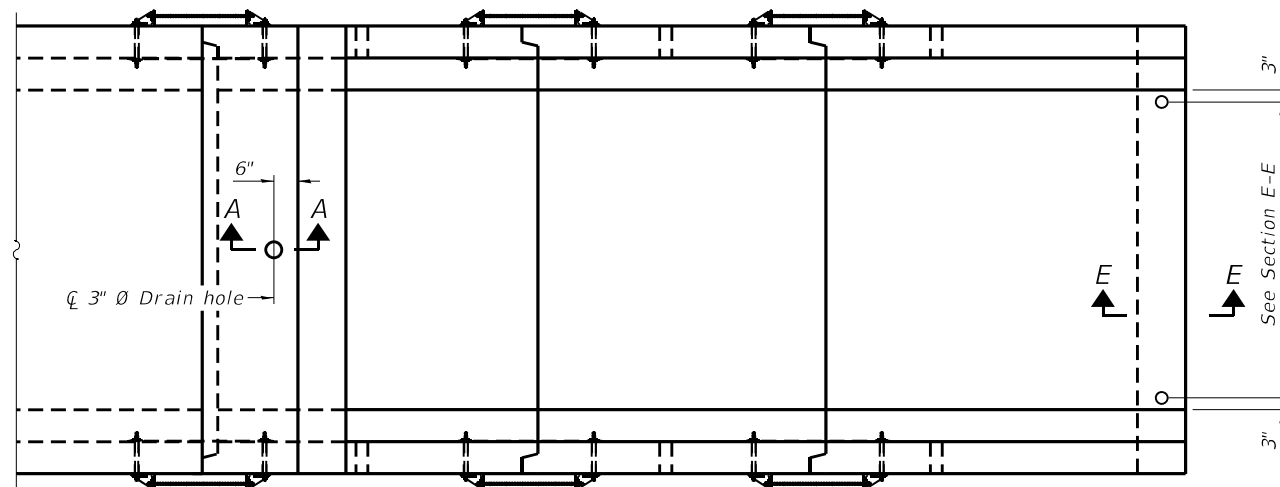
Drain holes shall conform to the requirements of Article 503.11 of the Standard Specifications unless noted otherwise.

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

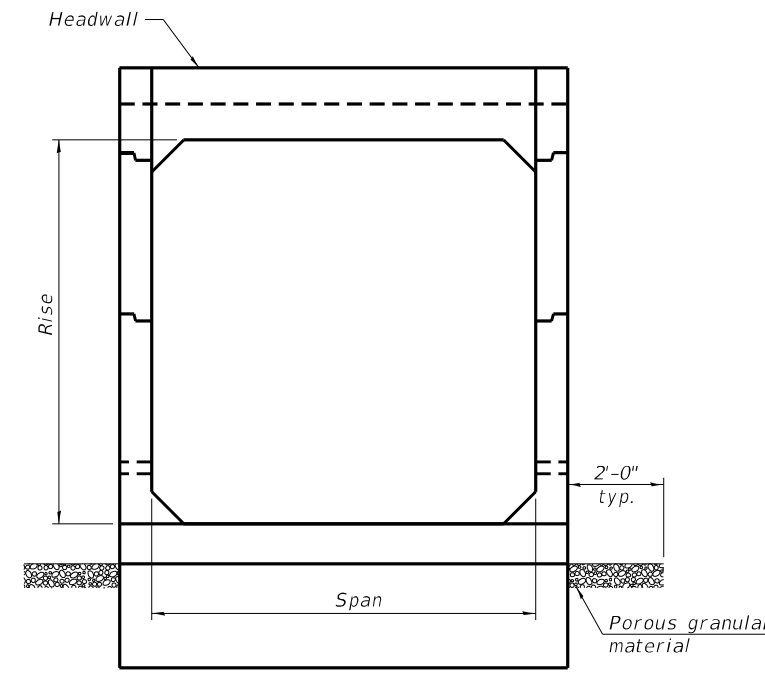
For end sections with traversable pipe grate systems, see grate detail sheet for required modifications.



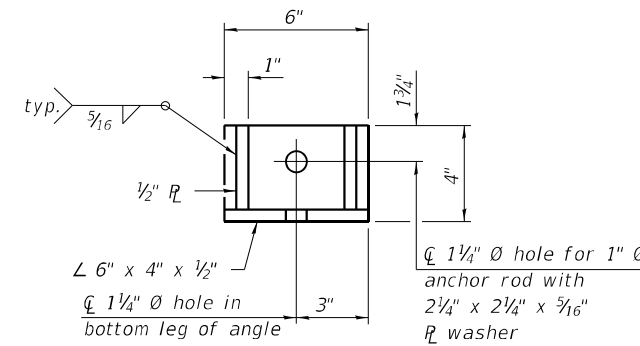
ELEVATION



PLAN



END VIEW



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.

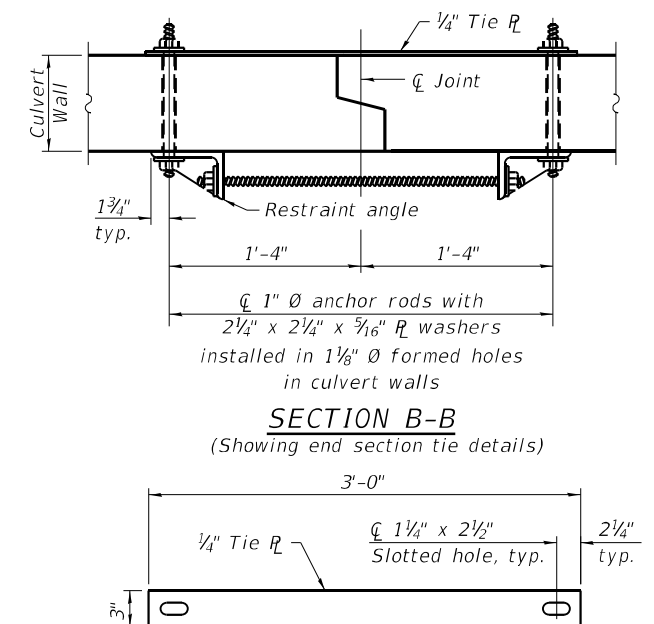
Provide a double layer of 12" x 12" nonwoven geotextile fabric centered over the drain hole. Fabric shall be sealed to the concrete with mastic.

3" Ø 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.) (Sheet 1 of 2)



SECTION B-B

(Showing end section tie details)

TIE PLATE DETAIL

SCB-TES

2-17-2017



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	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SINGLE CELL PRECAST BOX CULVERT TAPERED END SECTIONS
STRUCTURE NO.**

SCALE: N.T.S. SHEET 1 OF 2 SHEETS STA. TO STA.

F.A.P. RTE. 317	SECTION (30, 31)RS-2	COUNTY MCLEAN	TOTAL SHEETS 60	SHEET NO. 32
CONTRACT NO. 70988			ILLINOIS FED. AID PROJECT	

As1m REINFORCEMENT		(in. ² /ft)										
Ts (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	0.50	0.46	0.44	0.41	0.46	0.50	0.65		
12	0.55	0.49	0.58	0.54	0.50	0.48	0.45	0.46	0.46	0.61	0.75	

(As1m reinforcement based upon welded wire reinforcement conforming to AASHTO M 55 or M 221).

ℓ₁ DIMENSION

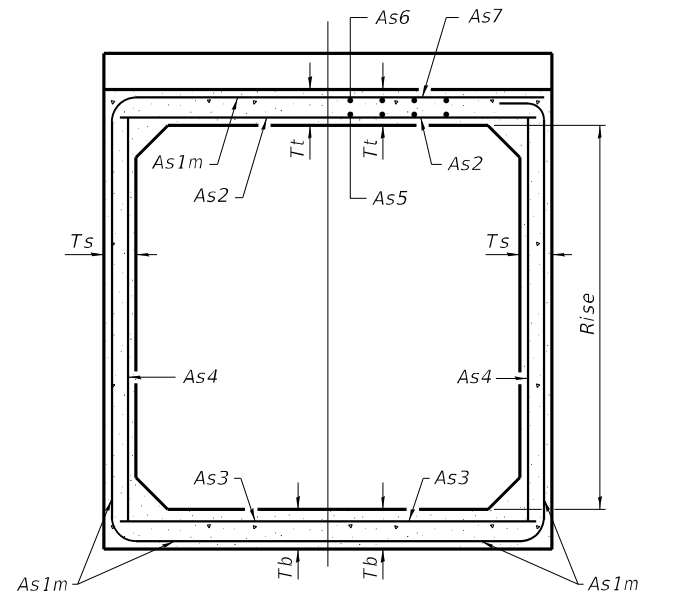
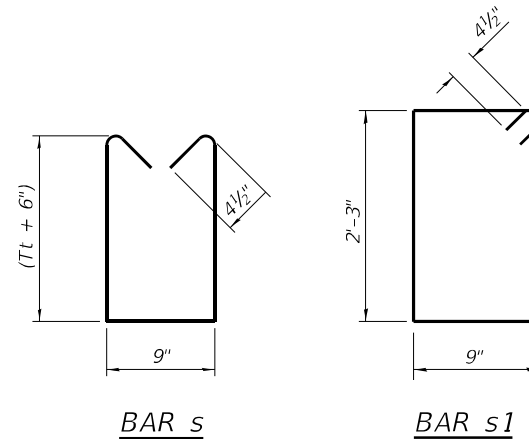
- #3 bar = 2'-0"
- #4 bar = 2'-8"
- #5 bar = 3'-4"
- #6 bar = 3'-11"

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.

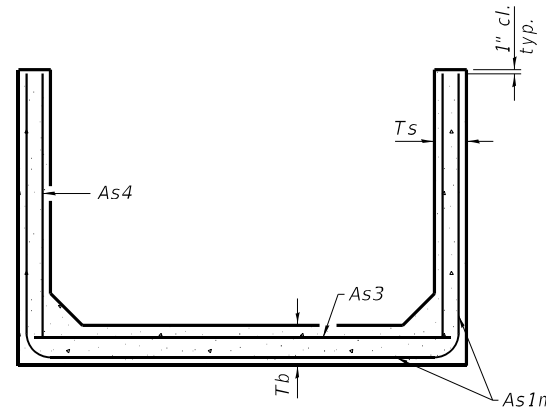
The size and spacing of the v2 bars shall provide a minimum reinforcement area along each face of the walls (in.²/ft.) equal to 1.10*(As1m). v2 bars may consist of #3 thru #6 size reinforcement bars and the longitudinal spacing shall not exceed the lesser of the wall thickness or 8 inches.

Bonded construction joints shall be prepared according to Article 503.09 of the Standard Specifications.

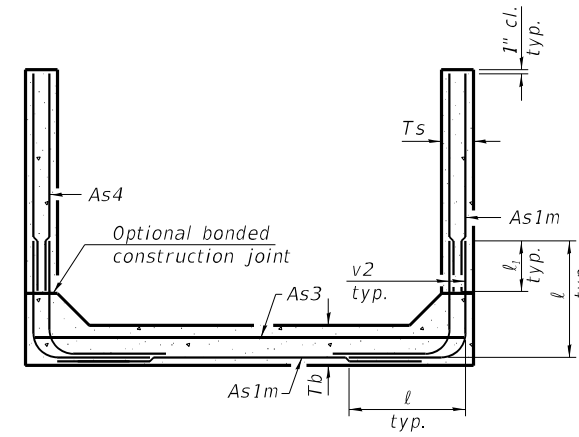


(Design Earth Cover ≥ 2 ft) (Design Earth Cover < 2 ft)

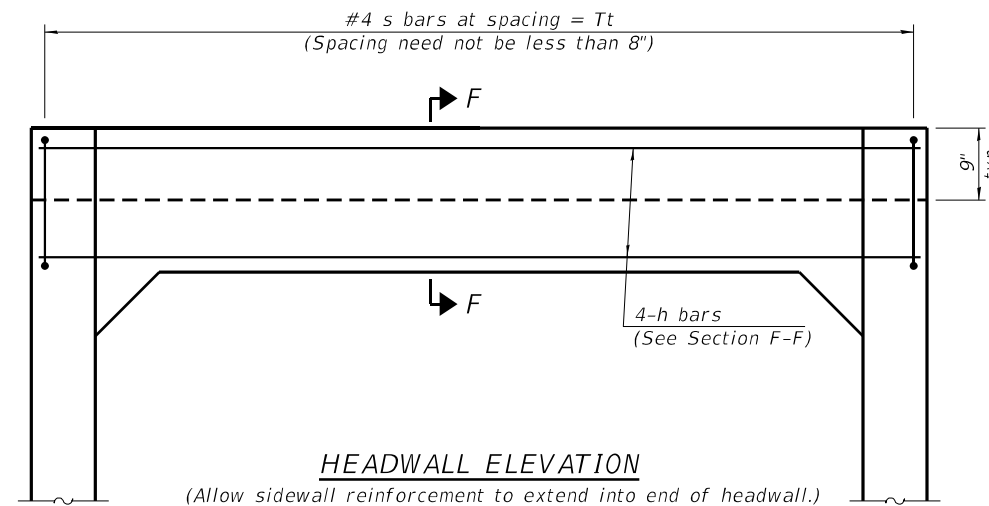
SECTION C-C



SECTION D-D



ALTERNATE SECTION D-D



HEADWALL ELEVATION

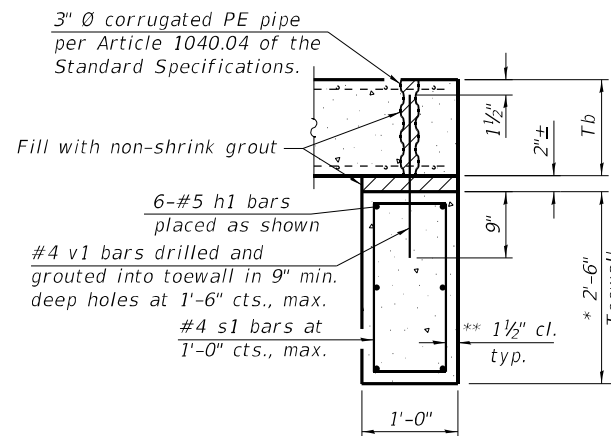
(Allow sidewall reinforcement to extend into end of headwall.)

TOEWALL CONSTRUCTION SEQUENCE

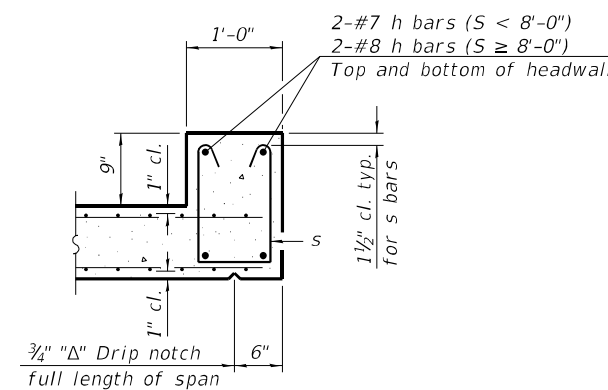
1. Perform excavation and construct toewall.
2. Backfill according to the applicable paragraphs of Article 502.10 of the Standard Specifications and place bedding for precast box culvert end sections.
3. Set precast box culvert end section.
4. Drill and epoxy grout reinforcement in toewall in accordance 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

SCB-TES

2-17-2017

(Sheet 2 of 2)



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	DATE -	REVISED -

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DEPARTMENT OF TRANSPORTATION**

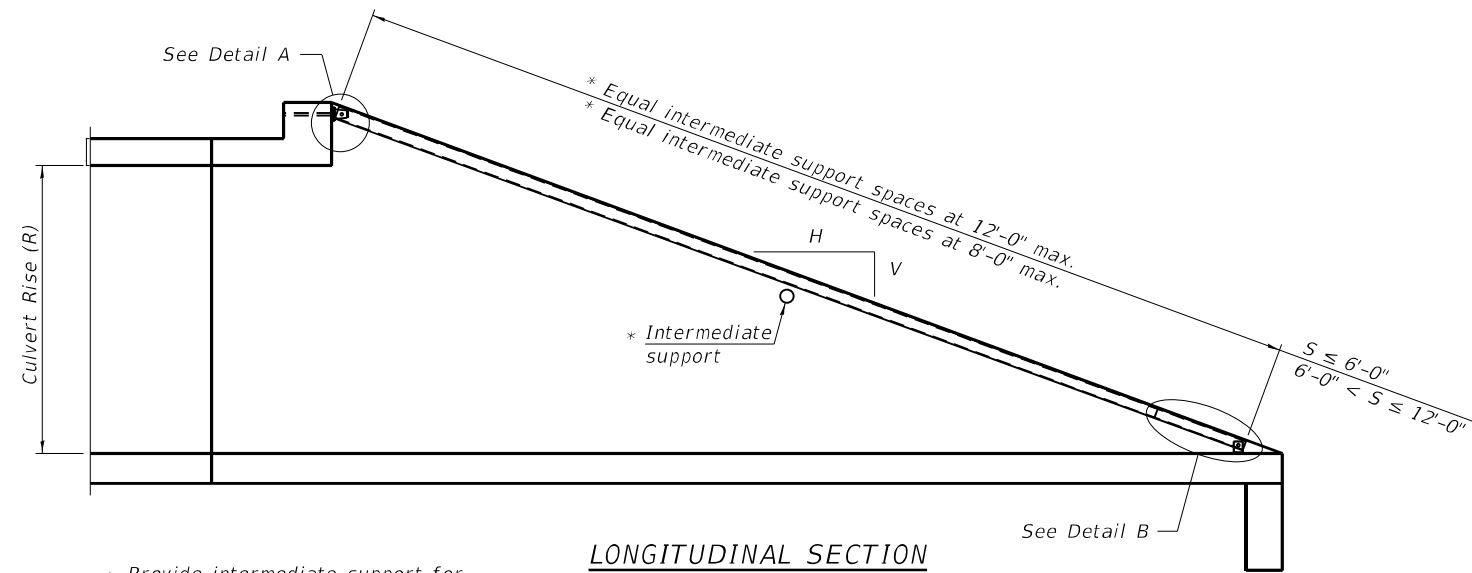
**SINGLE CELL PRECAST BOX CULVERT TAPERED END SECTIONS
STRUCTURE NO.**

SCALE: N.T.S. SHEET 2 OF 2 SHEETS STA. TO STA.

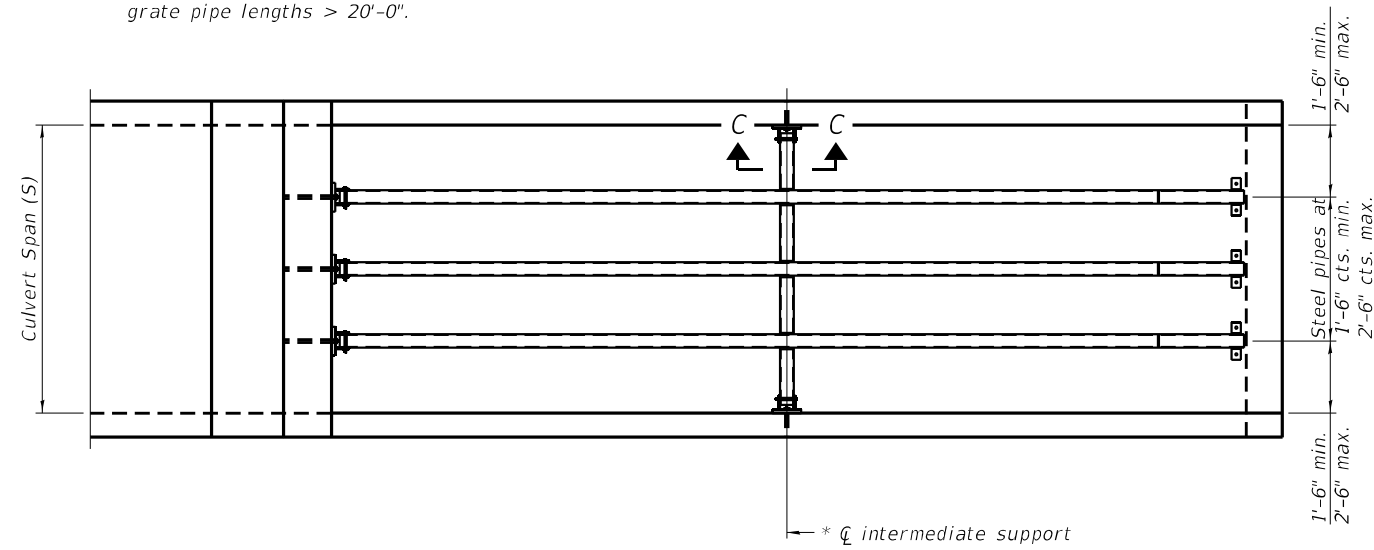
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	(30, 31)RS-2	MCLEAN	60	33
CONTRACT NO. 70988				
ILLINOIS FED. AID PROJECT				

GENERAL NOTES

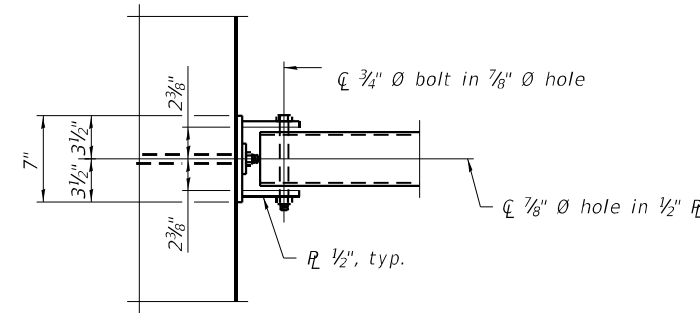
The minimum edge distance from the center of a hole to the free edge of a structural shape or plate shall be 1½" unless noted otherwise.
 This standard shall only be used on concrete end sections not skewed more than ±15 degrees with roadway.
 The Contractor may install the thru bolts using drilling 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 completely 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 ½ turn on the interior nut at final installation.
 Cost included with Traversable Pipe Grate.



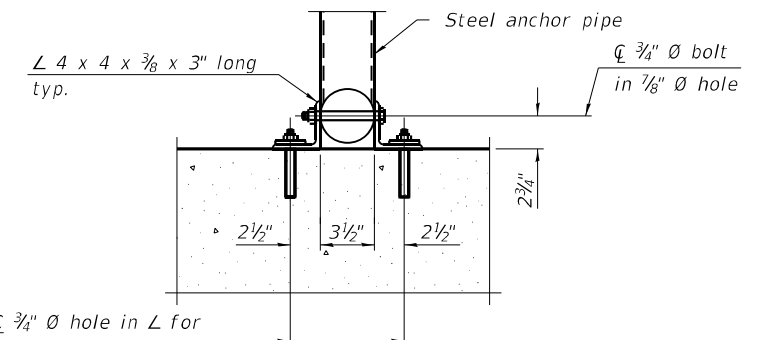
LONGITUDINAL SECTION



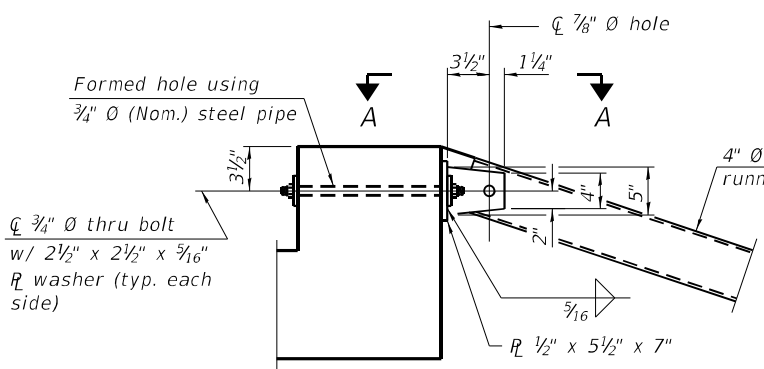
PLAN VIEW



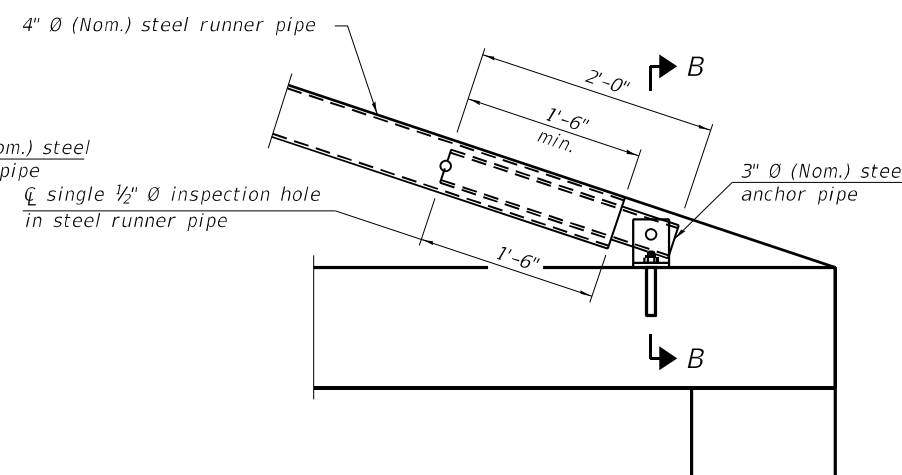
VIEW A-A



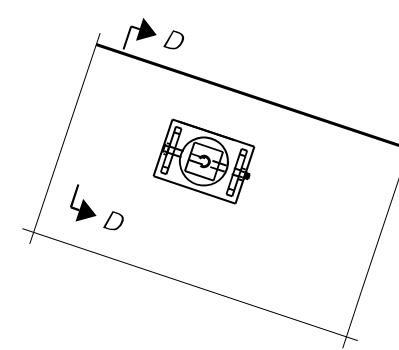
SECTION B-B



DETAIL A

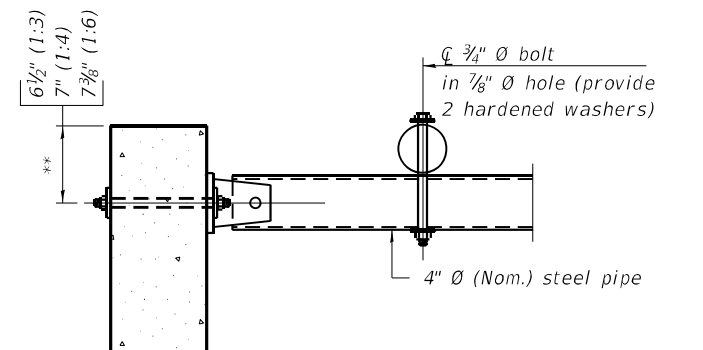


DETAIL B



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

2-17-2017

(Sheet 1 of 2)



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	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**TRAVERSABLE PIPE GRATE FOR BOX CULVERTS
 STRUCTURE NO.**

SCALE: N.T.S. SHEET 1 OF 2 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	(30, 31)RS-2	MCLEAN	60	34
CONTRACT NO. 70988			ILLINOIS FED. AID PROJECT	

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STONE RIPRAP, CLASS A1 (IF REQUIRED)

STONE RIPRAP, CLASS A1 SHALL BE USED TO ADDRESS UNSTABLE SOIL CONDITIONS AS DETERMINED BY THE GEOTECHNICAL ENGINEER.

THE WORK SHOWN IN THE DETAIL SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE PORTIONS OF SECTION 281 OF THE STANDARD SPECIFICATIONS.

THIS WORK SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER TON FOR STONE RIPRAP, CLASS A1.

THE EXCAVATION AND DISPOSAL OF UNSUITABLE MATERIAL SHALL NOT BE MEASURED FOR PAYMENT. COST INCLUDED WITH STONE RIPRAP, CLASS A1.

MEMBRANE WATERPROOFING SYSTEM FOR BURIED STRUCTURES

SEE SPECIAL PROVISIONS

POROUS GRANULAR EMBANKMENT

POROUS GRANULAR BACKFILL SHALL EXTEND 2 FT. BEYOND THE AGGREGATE SHOULDER.

THE WORK SHOWN IN THE DETAIL SHALL BE PERFORMED IN ACCORDANCE WITH THE APPLICABLE PORTIONS OF SECTION 207 AND SECTION 540 OF THE STANDARD SPECIFICATIONS.

THE COARSE AGGREGATE QUALITY SHALL BE CLASS D OR BETTER AND THE GRADATION SHALL BE CA-6 OR CA-10.

POROUS GRANULAR BACKFILL WILL BE MEASURED FOR PAYMENT IN CUBIC YARDS, IN PLACE AS SHOWN. IF THE CONTRACTOR CHOOSES TO EXCAVATE BEYOND THE LIMITS SHOWN, ADDITIONAL QUANTITIES OF POROUS GRANULAR BACKFILL WILL BE AT HIS/HER OWN EXPENSE.

THE AREA TO BE EXCAVATED FOR THE PROPOSED BOX CULVERT AND END SECTIONS SHALL NOT BE MEASURED FOR PAYMENT. COST INCLUDED WITH PRECAST CONCRETE BOX CULVERTS.

**IN LIEU OF POROUS GRANULAR BACKFILL, THE CONTRACTOR MAY, AT NO ADDITIONAL COST TO THE DEPARTMENT, BACKFILL THE TRENCH FROM THE MEMBRANE WATERPROOFING TO BOTTOM OF PAVEMENT, EXCEPT THE OUTER 3 FT, WITH CONTROLLED LOW-STRENGTH MATERIAL ACCORDING TO SECTION 593.

EXCAVATION DEPTHS	* SLOPES
5'-0" < EXCAVATION DEPTH <= 8'-0"	¾' : 1'
8'-0" < EXCAVATION DEPTH <= 12'-0"	1' : 1'
12'-0" < EXCAVATION DEPTH <= 20'-0"	1' : 1'
MUST BE SLOPED FROM EXCAVATION BOTTOM OR SPECIAL DESIGN BY S.E. SEE ARTICLE 522.07 FOR TEMPORARY SOIL RETENTION SYSTEM	

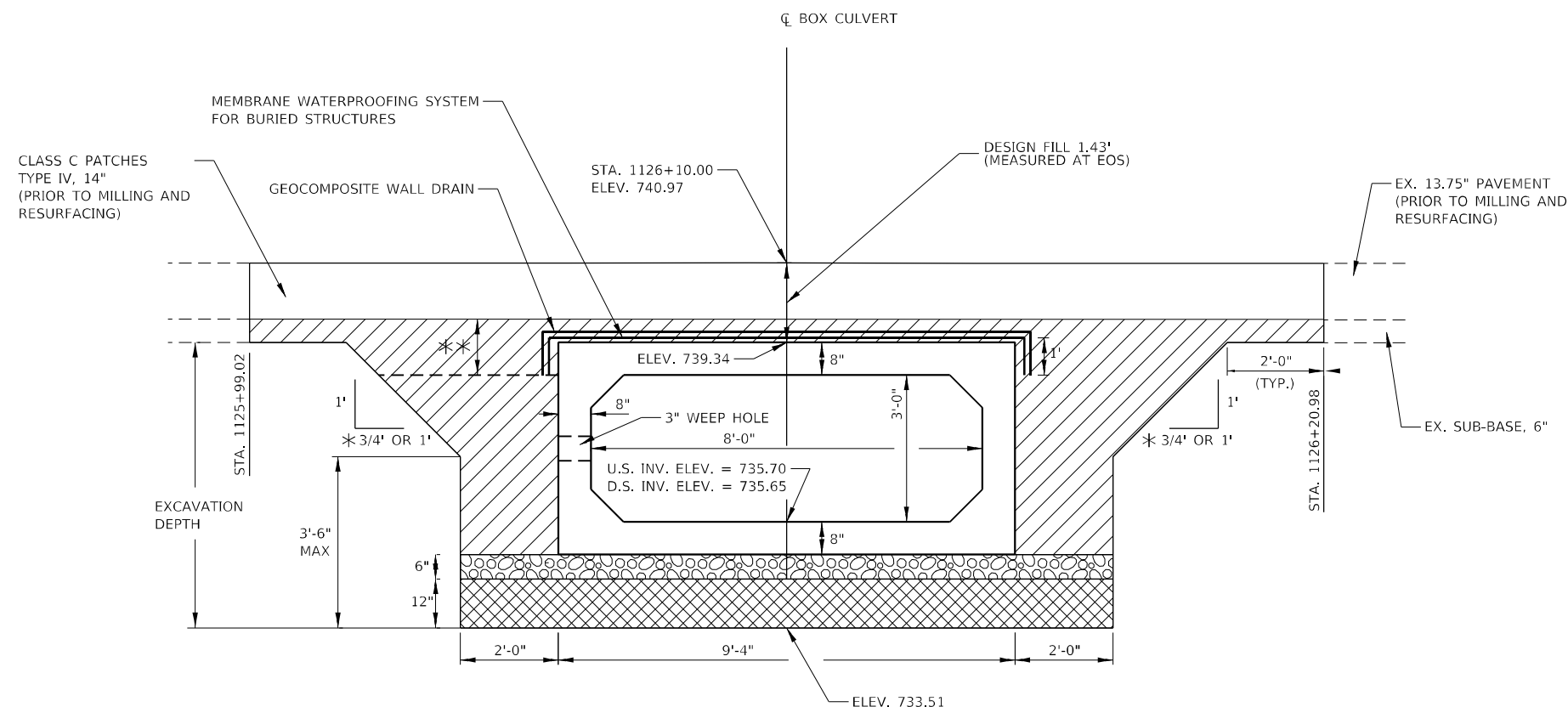
* SLOPED EXCAVATION IN TYPE A SOIL SHOWN PER APPENDIX B OF OSHA CFR LABOR 29 PART 1926 SUBPART P - EXCAVATIONS

OPTIONAL CONFIGURATIONS MAY BE CONSTRUCTED IN ACCORDANCE WITH OSHA REQUIREMENTS CONTAINED IN THE CODE OF FEDERAL REGULATIONS LABOR 29 PART 1926 SUBPART P - EXCAVATIONS.

SEE ARTICLE 107.28 FOR CONTRACTOR SAFETY RESPONSIBILITY.

BILL OF MATERIAL

Item	Unit	Total
POROUS GRANULAR EMBANKMENT	CU YD	57
STONE RIPRAP, CLASS A1	TON	52
MEMBRANE WATERPROOFING SYSTEM FOR BURIED STRUCTURES	SQ YD	59
GEOCOMPOSITE WALL DRAIN	SQ YD	59



LEGEND	
	POROUS GRANULAR EMBANKMENT
	POROUS GRANULAR MATERIAL (CA-7) (included with precast box culvert)
	STONE RIPRAP, CLASS A1

Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

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ILLINOIS DESIGN FIRM
LICENSE NO: 184-001220

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DRAWN -
PLOT SCALE = 40,0000 * / in.
CHECKED -
PLOT DATE = 12/14/2021
DATE -

DESIGNED -
DRAWN -
CHECKED -
DATE -

REVISED -
REVISED -
REVISED -
REVISED -

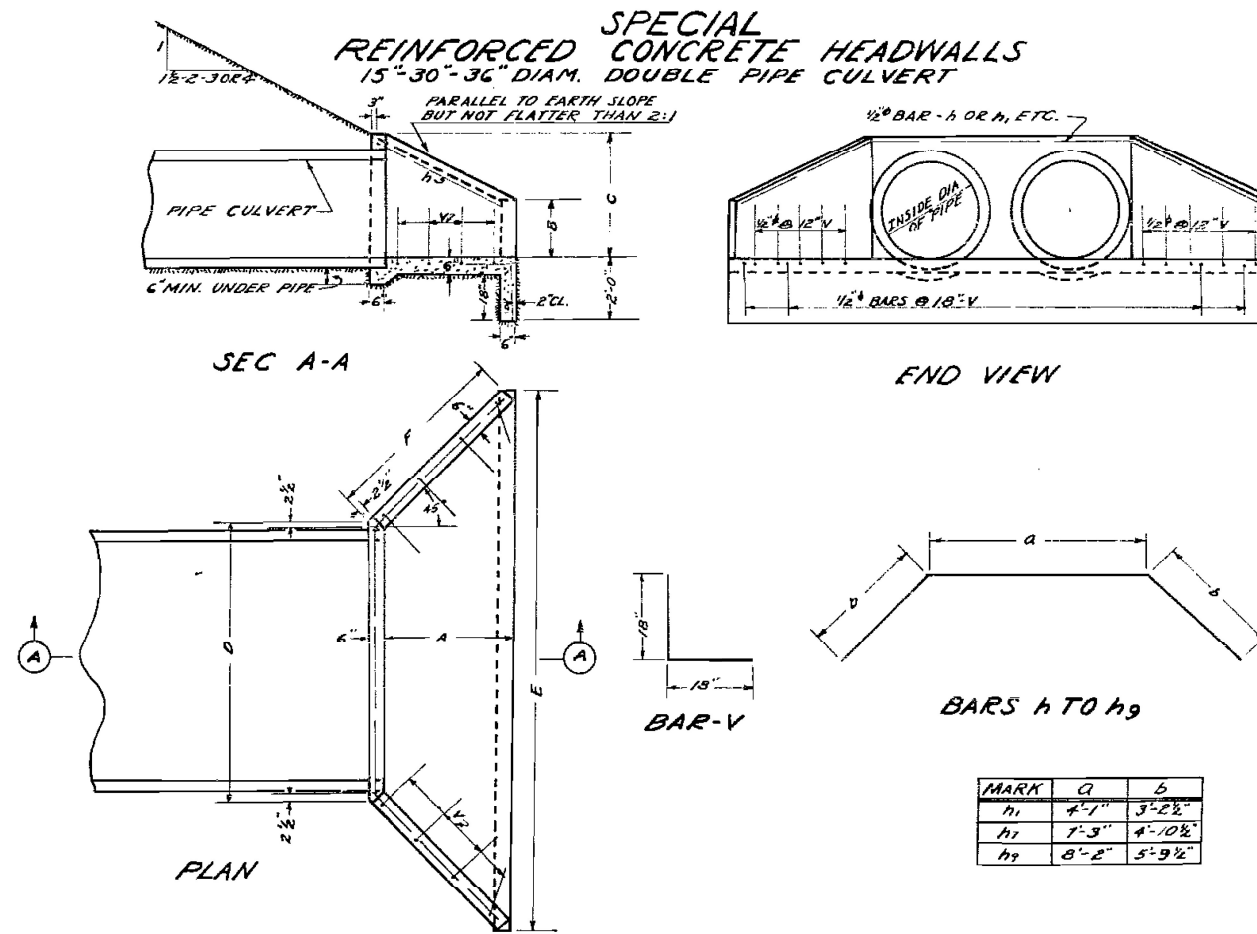
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

POROUS GRANULAR EMBANKMENT DETAIL
S.N. 057-8235

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	(30, 31)RS-2	MCLEAN	60	36
CONTRACT NO. 70988				
ILLINOIS FED. AID PROJECT				

FOR INFORMATION ONLY



LOCATION	DIAM. OF PIPE	DIMENSIONS						CLX CONC. 2 HDWLS CU. YDS.	REINFORCEMENT BARS			
		A	B	C	D	E	F		H-BARS MARK	LENGTH	V-BARS NO.	TOTAL WT. 2 HDWLS
STA. 722+58	15"	2'-2"	0'-10"	1'-11"	4'-3"	8'-10 1/2"	3'-3 3/4"	1.0	h1	10'-6"	26	70
" 1169+57	30"	3'-4"	1'-7"	3'-3"	7'-5"	14'-1"	4'-11"	2.83	h1	17'-0"	40	100 1/2
" 1126+10	36"	4'-0"	1'-10"	3'-10"	8'-5"	16'-5"	5'-10 1/2"	4.9	h9	19'-9"	48	120
								5.1				120

FOR INFORMATION ONLY

7-23-2021



TWM, INC.
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IL DESIGN FIRM LICENSE NO: 184-001220
USER NAME = bbillhartz
PLOT SCALE = 2,000' / in.
PLOT DATE = 12/14/2021

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

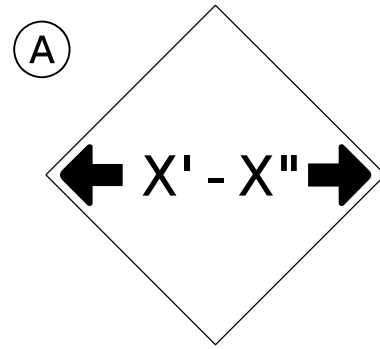
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

AS BUILT PLANS
CULVERT NO. 1

SCALE: N.T.S. SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	(30, 31)RS-2	MCLEAN	60	37
CONTRACT NO. 70988				
ILLINOIS FED. AID PROJECT				

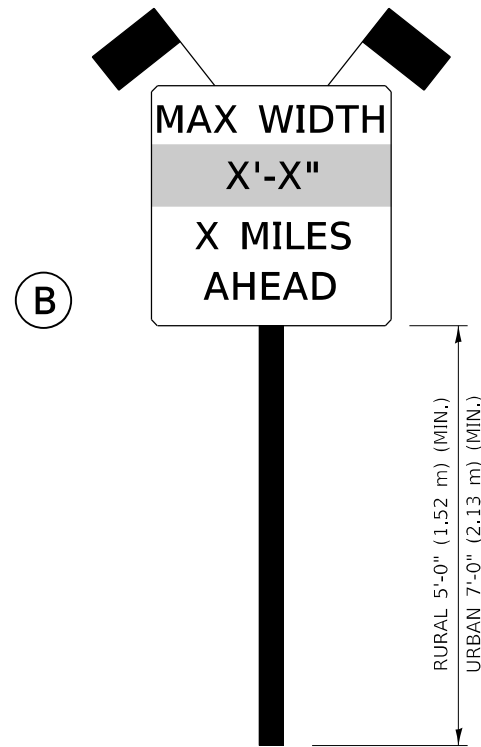
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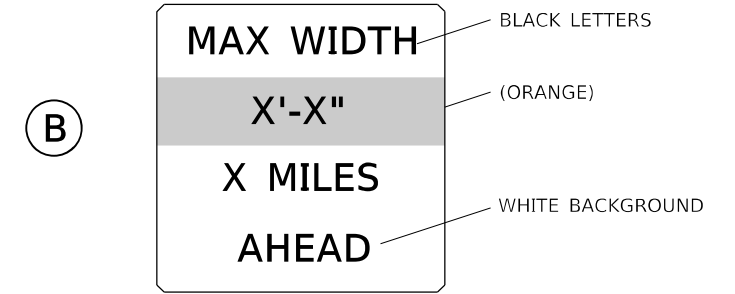
W12-2(O)-48"x48"(1200x1200)

SIGN (A) 2 SIGNS - W12-2(O)-48"x48"(1200x1200) ARE TO BE PLACED AS SHOWN IN THE PLANS OR AS DIRECTED BY THE ENGINEER.

SIGN (B) 2 SIGNS - (SIGN PANEL, TYPE II) AS SHOWN ARE TO BE PLACED AS SHOWN IN THE PLANS OR AS DIRECTED BY THE ENGINEER.



SIGN PANEL, TYPE II



**W12-I103(O)-48"x48"(1200x1200)
"D" LETTERS/NUMBERS**

GENERAL NOTES

1. ALL TRAFFIC CONTROL DEVICES SHALL BE FURNISHED, ERECTED AND MAINTAINED BY THE CONTRACTOR.
2. ALL (B) SIGNS SHALL HAVE FLAGS INSTALLED UNLESS OTHERWISE DIRECTED.
3. LOCATIONS OF TRAFFIC CONTROL DEVICES MAY BE ADJUSTED BY THE ENGINEER.
4. ALL TRAFFIC CONTROL SHOWN ON THIS SHEET SHALL BE PAID FOR AT THE CONTRACT LUMP SUM PRICE FOR WIDTH RESTRICTION SIGNING.
5. ALL SIGNS SHALL BE POST MOUNTED UNLESS OTHERWISE DIRECTED.
6. ALL SIGNS SHOWN ORANGE (O) SHALL BE FLUORESCENT ORANGE.
7. ALL SIGNS SHOWN SHALL CONSIST OF THE CURRENT RETROREFLECTIVE SHEETING REQUIREMENTS AS OUTLINED IN SECTION 1106.01 OF THE STANDARD SPECIFICATIONS BOOK.

Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

MODEL Path: \\... FILE NAME: P:\2021\191190607\US 24_McLean_Co_-_Phase III_4_CADD - DWG\4.7_Traffic\CAD_Sheets\0570988-Sub-05_Detach_X7200201.dgn



USER NAME =	bbillhartz
PLOT SCALE =	40,0000 * / in.
PLOT DATE =	12/14/2021

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DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

WIDTH RESTRICTION SIGNING

SCALE: SHEET 1 OF 3 SHEETS STA. TO STA.

DISTRICT 5 DETAIL NO. X7200201

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	(30, 31)RS-2	MCLEAN	60	38
				CONTRACT NO. 70988
		ILLINOIS	FED. AID PROJECT	



MODEL: Default
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 LICENSE NO: 184-001220

USER NAME =	bbillhartz
PLOT SCALE =	40,0000 */ in.
PLOT DATE =	12/14/2021

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CHECKED -	REVISED -
DATE -	REVISED -

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

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WIDTH RESTRICTION SIGNING			
SCALE: N.T.S.	SHEET 2	OF 3 SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	(30, 31)RS-2	MCLEAN	60	39
CONTRACT NO. 70988				
ILLINOIS FED. AID PROJECT				



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USER NAME =	bbillhartz
PLOT SCALE =	40,0000 * / in.
PLOT DATE =	12/14/2021

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

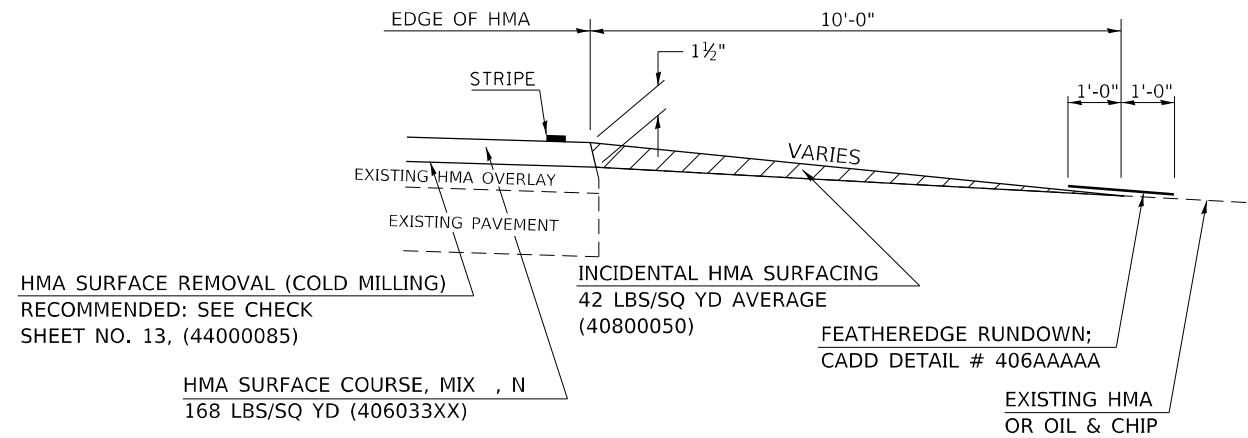
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

WIDTH RESTRICTION SIGNING			
SCALE: N.T.S.	SHEET 3	OF 3 SHEETS	STA. TO STA.

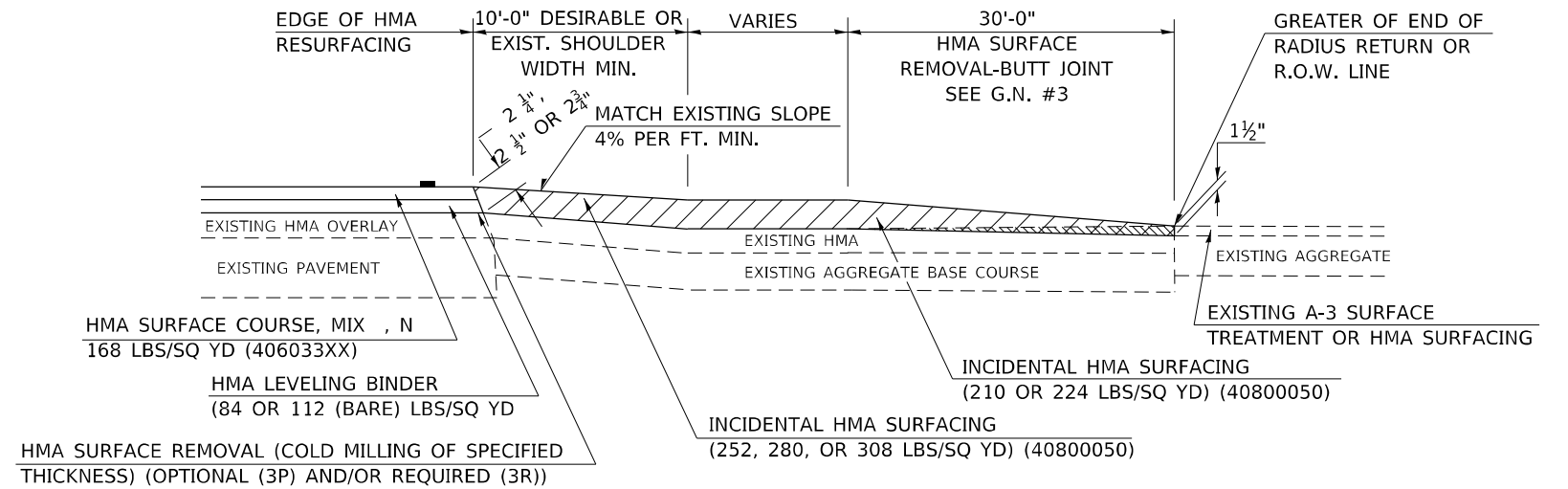
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	(30, 31)RS-2	MCLEAN	60	40
CONTRACT NO. 70988				
ILLINOIS FED. AID PROJECT				

PROJECTS WITHOUT RECONSTRUCTION

S.M.A.R.T. IMPROVEMENTS (ALSO CONTRACT MAINTENANCE)

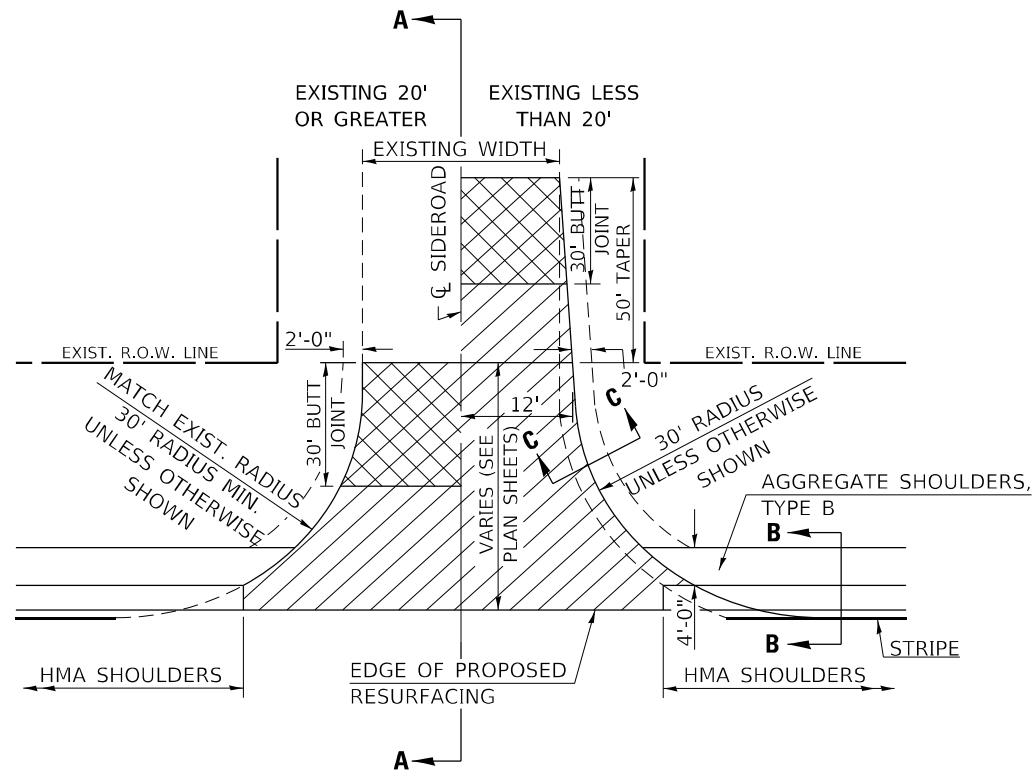


"3P" OR "3R" IMPROVEMENTS

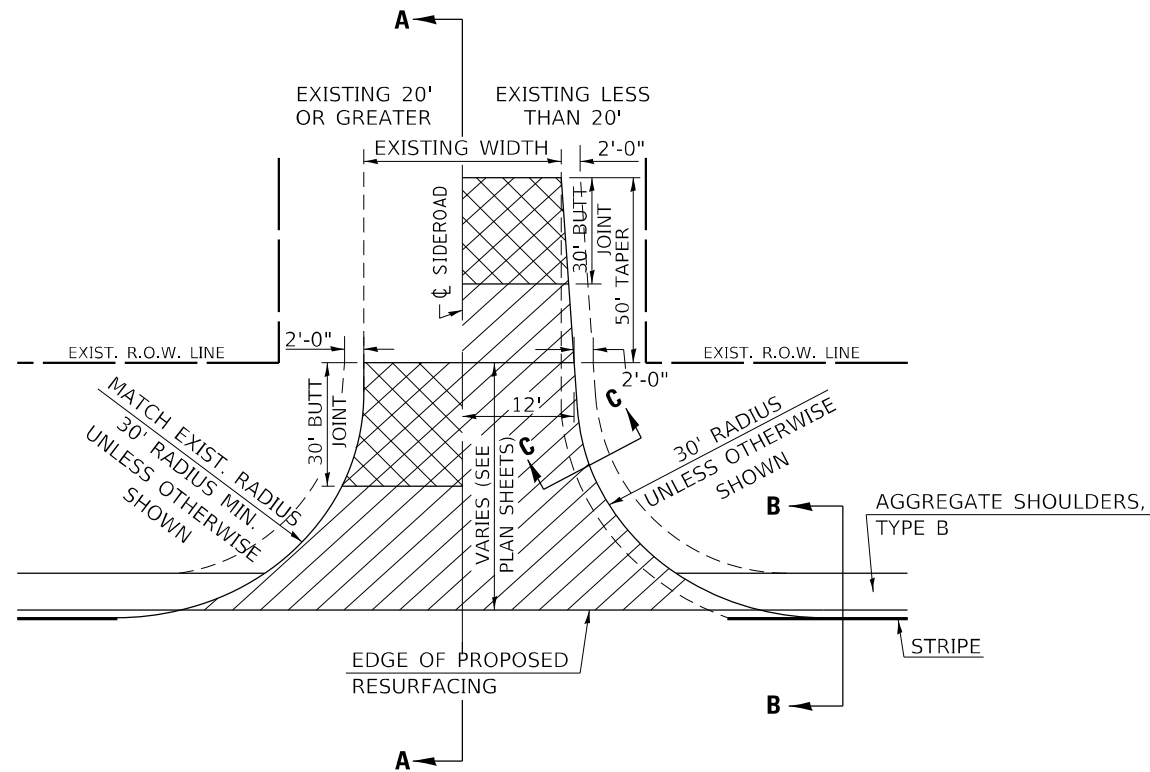


PROJECTS WITH RECONSTRUCTION

WITH HMA SHOULDER



WITHOUT HMA SHOULDER



GENERAL NOTES

1. THE EXISTING SURFACE SHALL BE PREPARED IN ACCORDANCE WITH SECTION 408 OF THE STANDARD SPECIFICATIONS
2. PROPOSED SIDEROAD GRADES SHALL BE AS SHOWN IN THE PLANS AND/OR AS DIRECTED BY THE ENGINEER.
3. MAJOR SIDEROAD/SIDESTREETS (>400 ADT) SHALL HAVE "BUTT JOINTS" CONSTRUCTED WHETHER THE EXISTING ENTRANCE IS HMA OR PCC. MINOR SIDEROAD/SIDESTREETS (<400 ADT) SHALL HAVE "FEATHEREDGE RUNDOWNS".
4. AGGREGATE BASE COURSE, TYPE B OF THE THICKNESS SPECIFIED IN THE PLANS 6" MIN. SHALL BE USED WHERE IN THE OPINION OF THE ENGINEER THERE IS NOT 6" EXISTING BASE MATERIAL FOR THE PROPOSED SIDEROAD RETURNS. THIS MATERIAL SHALL BE USED TO WIDEN SIDEROAD RETURNS.
5. THE AGGREGATE BASE COURSE SHALL BE CONSTRUCTED 1' WIDER THAN THE SURFACE DIMENSIONS.
6. AGGREGATE SHOULDERS, TYPE B WILL BE WRAPPED AROUND THE SIDEROAD RETURNS. TAPER WIDTH FROM 4' ALONG MAINLINE TO 2' AT BACK OF RETURN.

Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

DISTRICT 5 DETAIL NO. 408000AA

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	(30, 31)RS-2	MCLEAN	60	41
CONTRACT NO. 70988				

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIDEROAD & SIDESTREETS (RURAL)

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

MODEL: D:\p\h\h\... FILE NAME: P:\2021\191190607\US 24_McLean_Co... Phase B\4_CADD - DWG\4.7_Trim\CAD_Sheet\10570988-sub-05_Detail_408000AA.dgn



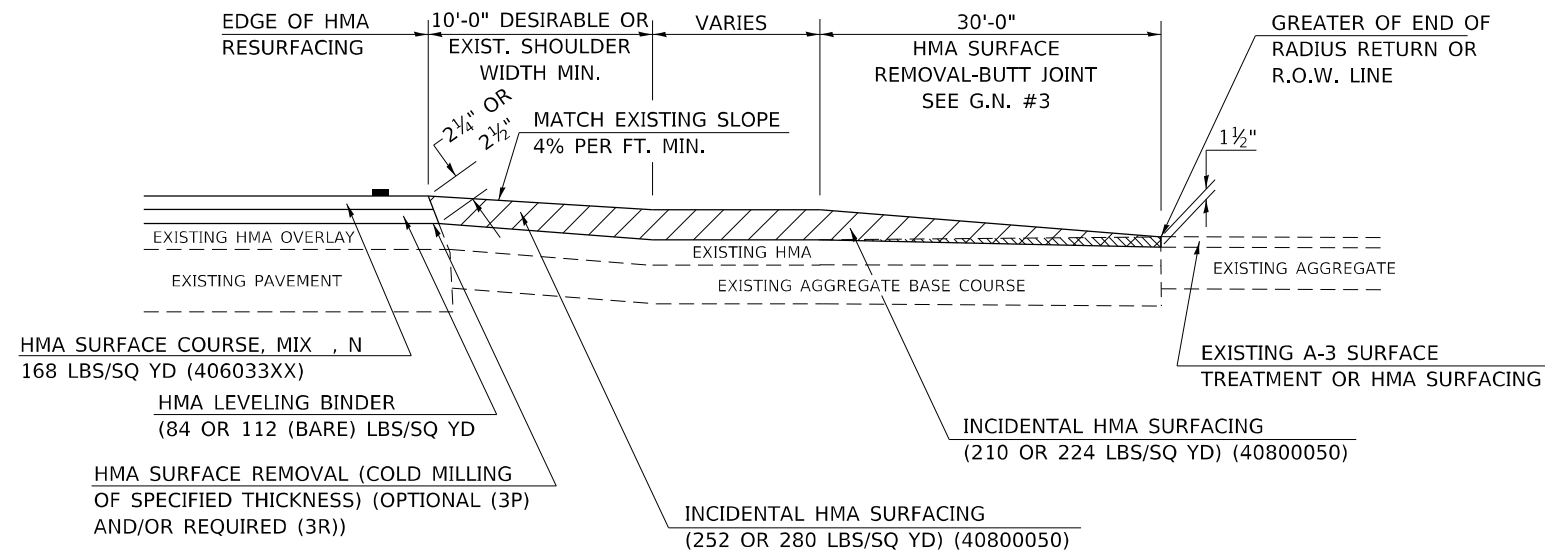
TWM, INC.
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ILLINOIS DESIGN FIRM
LICENSE NO: 184-001220

USER NAME = bbillhartz
DESIGNED -
DRAWN -
CHECKED -
DATE -
PLOT SCALE = 40,0000 * / in.
PLOT DATE = 12/14/2021

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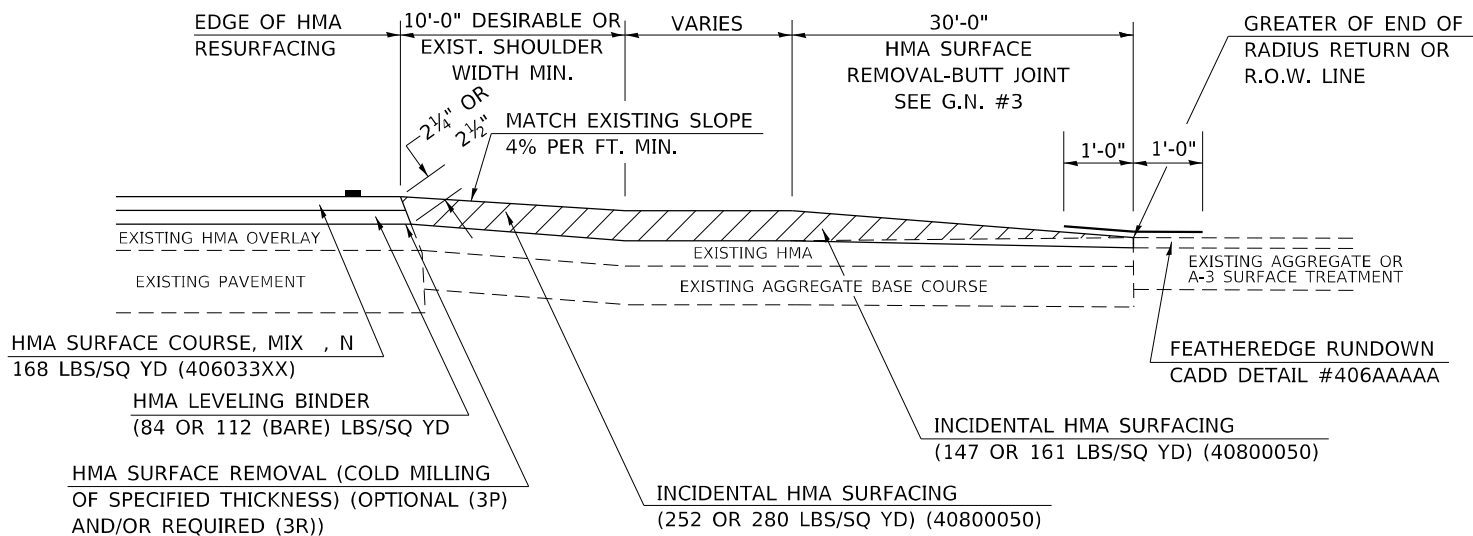
**SECTION A-A
EXISTING HMA OR PCC SIDEROAD (> 400 ADT)**



HMA SURFACE COURSE, MIX , N
168 LBS/SQ YD (406033XX)
HMA LEVELING BINDER
(84 OR 112 (BARE) LBS/SQ YD)
HMA SURFACE REMOVAL (COLD MILLING
OF SPECIFIED THICKNESS) (OPTIONAL (3P)
AND/OR REQUIRED (3R))

INCIDENTAL HMA SURFACING
(210 OR 224 LBS/SQ YD) (40800050)
INCIDENTAL HMA SURFACING
(252 OR 280 LBS/SQ YD) (40800050)

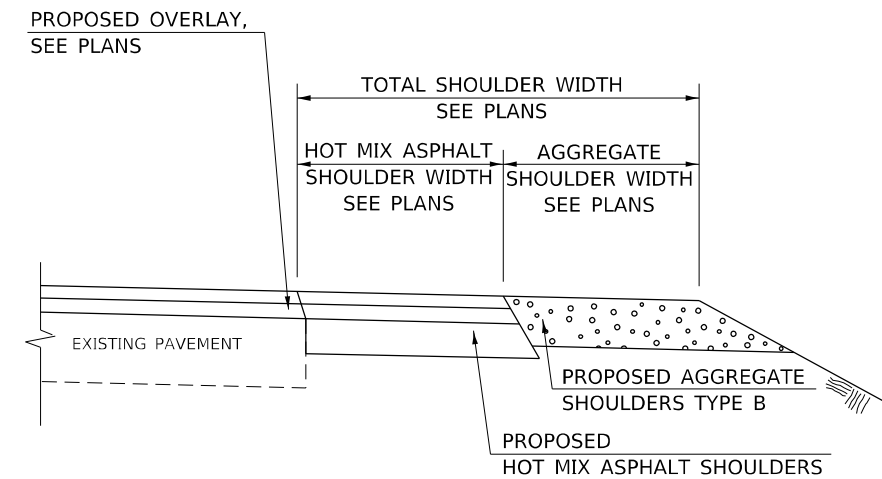
**SECTION A-A
EXISTING AGGREGATE OR SEAL COAT SIDEROAD (< 400 ADT)**



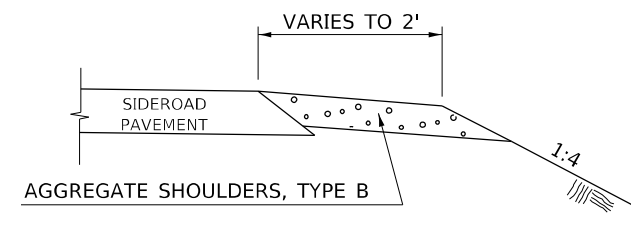
HMA SURFACE COURSE, MIX , N
168 LBS/SQ YD (406033XX)
HMA LEVELING BINDER
(84 OR 112 (BARE) LBS/SQ YD)
HMA SURFACE REMOVAL (COLD MILLING
OF SPECIFIED THICKNESS) (OPTIONAL (3P)
AND/OR REQUIRED (3R))

INCIDENTAL HMA SURFACING
(147 OR 161 LBS/SQ YD) (40800050)
INCIDENTAL HMA SURFACING
(252 OR 280 LBS/SQ YD) (40800050)

RURAL SIDEROAD DESIGN STANDARDS (PPM 40-06)											
DESIGN ELEMENT	New Construction & 3R (Existing Width Less Than 20 ft)			3R (Existing Width 20 ft or Greater) & 3P			SMART & Contract Maintenance				
	min.	des.	max.	min.	des.	max.	min.	des.	max.		
SURFACE WIDTH (FT); (Measured at end of radius or row line; greatest distance from edge of traveled way)	24	24	Coordinate with Geometrics Engineer	Resurface existing configuration to completion of radius return or row line; greatest distance from edge of traveled way; major sideroads (> 400 adt) shall have "butt joints" constructed whether the entrance is hma or pcc; minor sideroads (< 400 adt) shall have "featheredge rundown" as shown in district cadd detail 406AAAAA						resurface existing configuration with the completion of a 10 ft. featheredge rundown for ALL sideroads as shown in district cadd detail 406AAAAA	
RADIUS (FT)	30	30									
SHOULDER WIDTH (FT)	4	8	10								
SHOULDER SLOPE (%)	2	4	12								
ENTRANCE GRADE (%)	1	1 to 4	4								
BREAKOVER (%)	0	5	10								
SIDE SLOPE (FT)	1:10	1:6	1:4								
INTERSECTION ANGLE	60	75 to 90									
SURFACE TYPE											
INCIDENTAL HMA SURFACING (INCH)	4			taper from 2 1/4" to 1 1/2" or featheredge			taper from 1 1/2" to featheredge				
AGGREGATE BASE COURSE, TYPE A (INCH)	8	4		if applicable use item: 35800100 Preparation of Base							
PCC PAVEMENT (INCH)		8									



**SECTION B-B
MAINLINE SHOULDER TREATMENT**



**SECTION C-C
SIDEROAD SHOULDER TREATMENT**

Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

DISTRICT 5 DETAIL NO. 408000AA

MODEL: D:\p\h\... FILE NAME: P:\2021\190607\US 24_McLean_Co - Phase III_CADD - DWG\4.7_Traffic\CAD_Sheets\0570988-Sub-D5_Detail_408000AA.dgn



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USER NAME = bhillhartz	DESIGNED -	REVISED -
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PLOT DATE = 12/14/2021	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

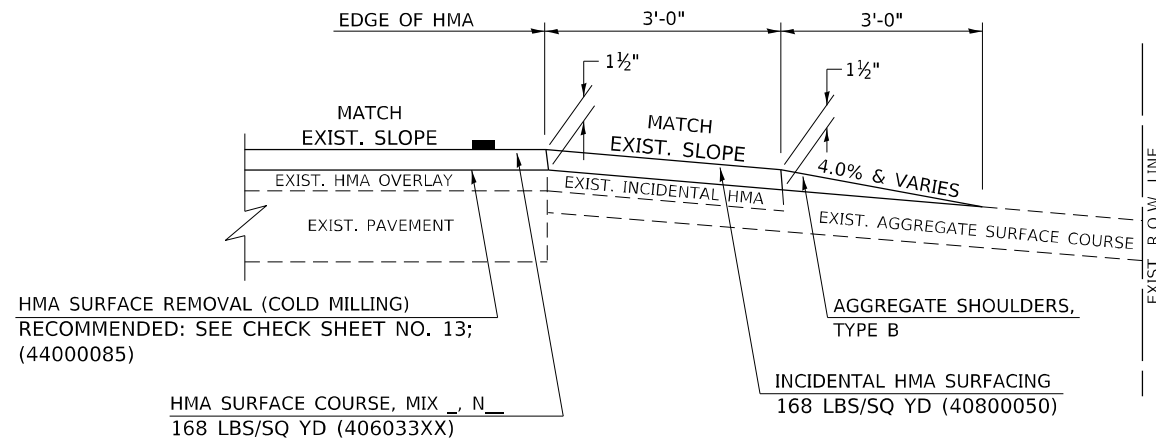
SIDEROAD & SIDESTREETS (RURAL)

SCALE: SHEET 2 OF 2 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	(30, 31)RS-2	MCLEAN	60	42
CONTRACT NO. 70988				
ILLINOIS FED. AID PROJECT				

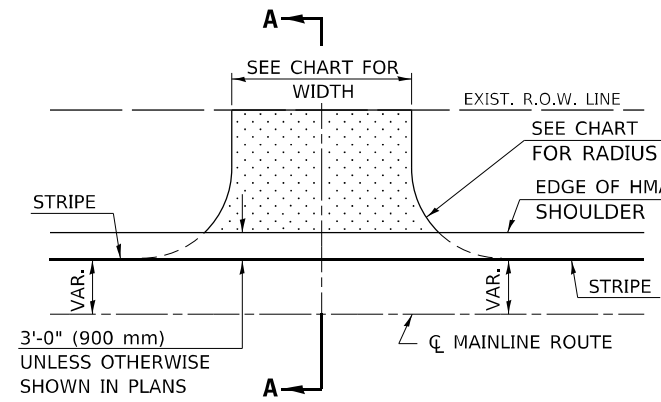
PROJECTS WITHOUT RECONSTRUCTION
 ("3R" WITHOUT RECONSTRUCTION, 3P, SMART AND CM)

S.M.A.R.T. IMPROVEMENTS
 (POLICY RESURFACING; BDE 53-4.03; 1½")



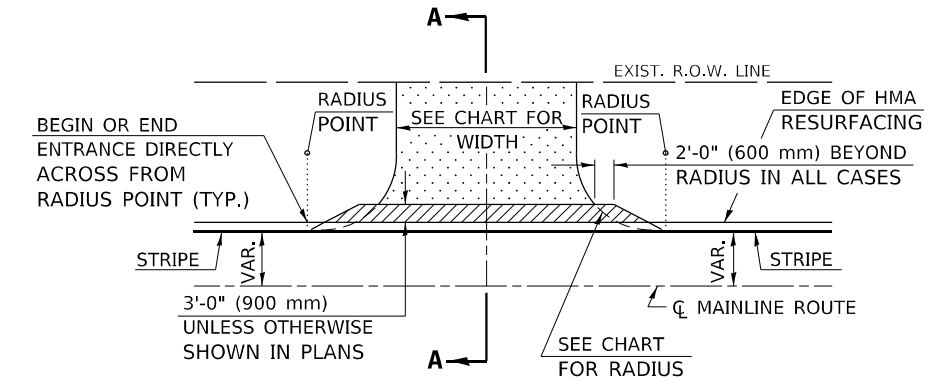
PROJECTS WITH RECONSTRUCTION
 ("3R" IMPROVEMENTS AND SMART/3P "SPOT" LOCATIONS)

ADJACENT TO PROPOSED HMA SHOULDERS
 (AGGREGATE OR EARTH ENTRANCE)



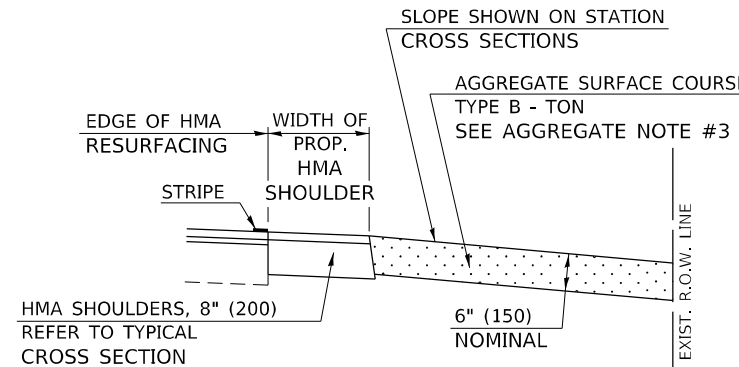
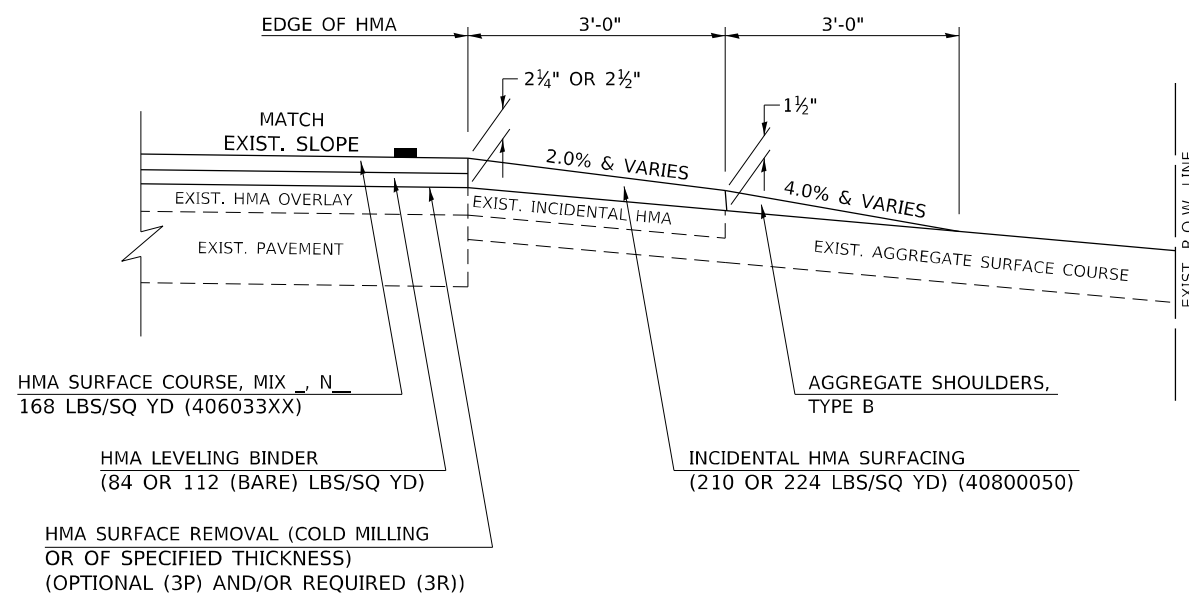
TYPICAL APPLICATION

EXISTING AGGREGATE OR EARTH ENTRANCE

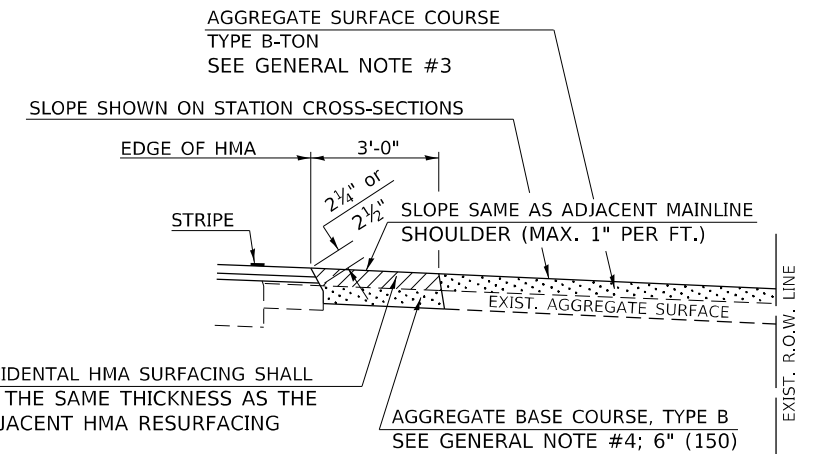


TYPICAL APPLICATION

"3P" OR "3R" IMPROVEMENTS
 (POLICY RESURFACING; BDE 53-4.02; 2¼" OR 2½" ON BARE CONCRETE)



SECTION A-A



SECTION A-A

Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

DISTRICT 5 DETAIL NO. 4080050A

MODEL: Default
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USER NAME = bbillhartz
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 PLOT SCALE = 40,0000 * / in.
 PLOT DATE = 12/14/2021

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FIELD ENTRANCES (NONCOMMERCIAL RURAL)

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	(30, 31)RS-2	MCLEAN	60	43
CONTRACT NO. 70988				
ILLINOIS FED. AID PROJECT				

GENERAL NOTES

1. THE EXISTING SURFACE SHALL BE PREPARED IN ACCORDANCE WITH SECTION 408 OF THE STANDARD SPECIFICATIONS.
2. ANY NECESSARY WORK BEHIND THE HMA SHOULDER OR THE INCIDENTAL HMA SURFACING SHALL BE AS SHOWN IN THE PLANS AND/OR AS DIRECTED BY THE ENGINEER.
3. EARTH EXCAVATION REQUIRED FOR THE CONSTRUCTION OF THE AGGREGATE SURFACE COURSE SHALL BE INCLUDED IN THE COST OF AGGREGATE SURFACE COURSE.
4. AGGREGATE BASE COURSE, TYPE B, 6" (150 mm) MIN. SHALL BE USED WHERE IN THE OPINION OF THE ENGINEER THERE IS NOT SUFFICIENT BASE MATERIAL FOR THE PROPOSED ENTRANCES. THIS MATERIAL SHALL GENERALLY BE USED TO WIDEN ANY EXISTING RETURN OR TO CONSTRUCT NEW ENTRANCES WHERE NONE NOW EXISTS.
5. THE AGGREGATE BASE COURSE SHALL BE CONSTRUCTED 12" (300 mm) WIDER THAN THE SURFACE DIMENSIONS AS SHOWN ABOVE.
6. EXISTING FIELD ENTRANCES OF AGGREGATE OR EARTH WITH NO HMA APRON SHALL NOT RECEIVE A NEW HMA APRON WITHOUT PROPER APPROVAL THROUGH THE BUREAU OF OPERATIONS "POLICY ON PERMITS FOR ACCESS DRIVEWAYS TO STATE HIGHWAYS".
7. TO ASSURE APPROPRIATE ACCESS POLICIES ARE FOLLOWED ALL NEW ACCESS SHALL BE APPLIED FOR THROUGH THE BUREAU OF OPERATIONS PERMIT APPLICATION PROCESS. PLAN PREPARATION MEMORANDUMS 40-09 ALONG WITH DISTRICT PROJECT IMPLEMENTATION MEMORANDUM 104/01 DISCUSS THIS PROCEDURE.

RURAL ENTRANCE DESIGN STANDARDS (PPM 40-09)															
DESIGN ELEMENT	NEW CONSTRUCTION & 3R with CONSTRUCTION						3R w/out RECONSTRUCTION, 3P, SMART & CM								
	NONCOMMERCIAL			FIELD W/FARM IMPLEMENTS			COMMERCIAL			NONCOMMERCIAL			COMMERCIAL		
	PRIVATE & FIELD			FIELD W/FARM IMPLEMENTS			COMMERCIAL			PRIVATE & FIELD			COMMERCIAL		
	min.	des.	max.	min.	max.	min.	des.	max.	min.	des.	max.	min.	des.	max.	
SURFACE WIDTH (FT)	12	16	24	24	30	1 LANE, 1 WAY			1 LANE, 1 WAY						
						14	16	24							
						2 LANE, 2 WAY			2 LANE, 2 WAY						
						24	30	35	resurface existing configuration; existing aggregate or earth entrances shall have the continuation of aggregate shoulders placed behind them						
RADIUS (FT)	15	25	40	30		20	30	50							
SHOULDER WIDTH (FT)	2	2		2		1	3								
SHOULDER SLOPE (%)	2	4	6	4		2	4	6							
ENTRANCE GRADE (%)	0	2 to 5	10 or 12	2 to 5	10 or 12	0	2 to 5	8 or 10							
SIDE SLOPE (FT)	1:4	1:6	1:10	1:4	1:6	1:4	1:6	1:10							
SURFACE TYPE															
INCIDENTAL HMA SURFACING (INCH)		2		2		3 or 4			taper from hma resurfacing thickness (2 1/2", 2 1/4" or 1 1/2") to 1 1/2" to minimize aggregate shoulder						
AGGREGATE SURFACE COURSE, TYPE B (INCH)		6		6		8			if applicable, use items: Preparation of Base & Aggregate Base Repair; see PPM 30-02						
PCC DRIVEWAY PAVEMENT (INCH)		6						6 or 8							

Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

DISTRICT 5 DETAIL NO. 4080050A

MODEL: Default
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TWM, INC.
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 LICENSE NO:
 184-001220

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

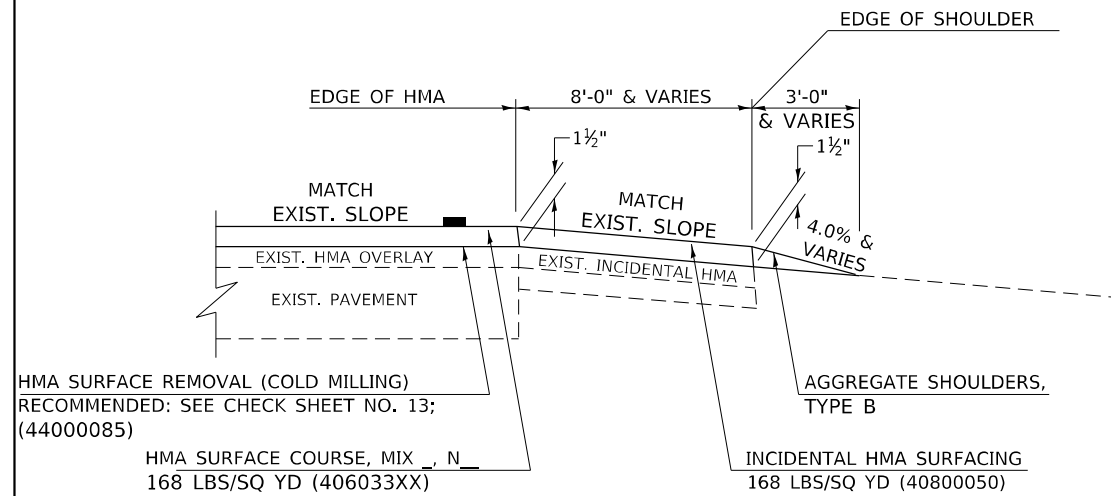
FIELD ENTRANCES (NONCOMMERCIAL RURAL)

SCALE: SHEET 2 OF 2 SHEETS STA. TO STA.

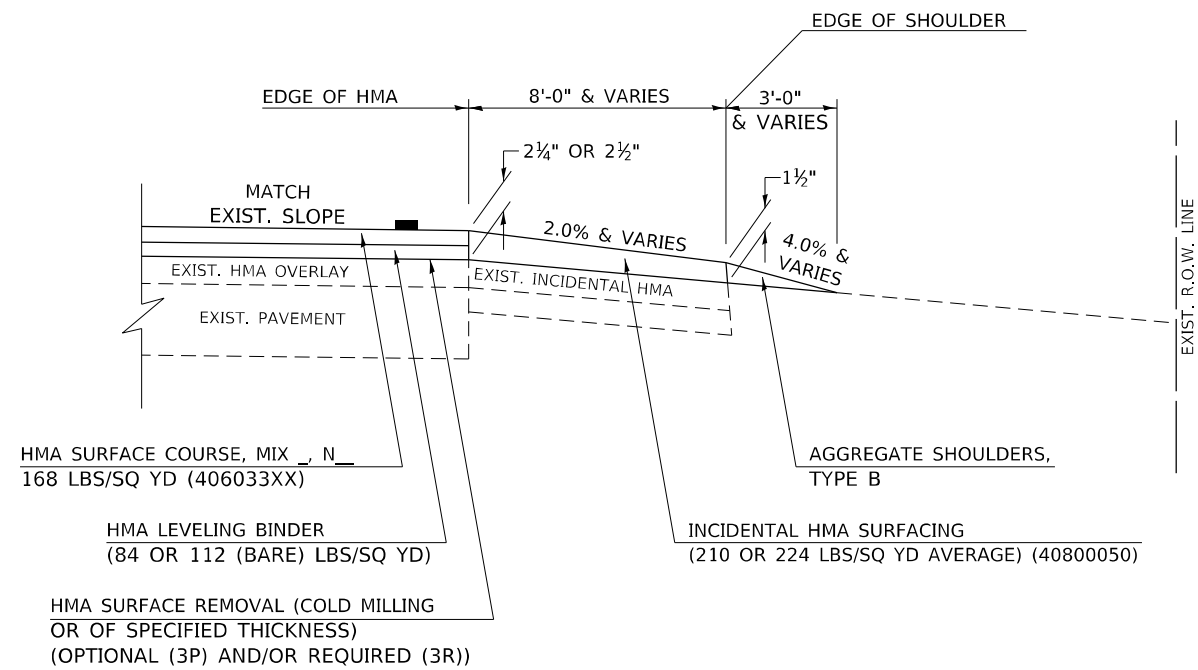
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	(30, 31)RS-2	MCLEAN	60	44
CONTRACT NO. 70988				
ILLINOIS FED. AID PROJECT				

PROJECTS WITHOUT RECONSTRUCTION

S.M.A.R.T. IMPROVEMENTS (POLICY RESURFACING; BDE 53-4.03; 1½")



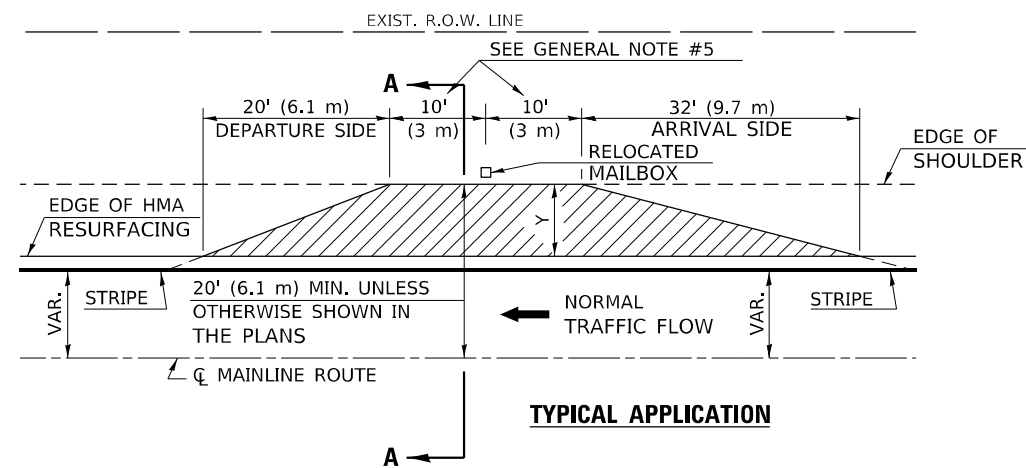
"3P" OR "3R" IMPROVEMENTS (POLICY RESURFACING; BDE 53-4.02; 2¼" OR 2½" ON BARE CONCRETE)



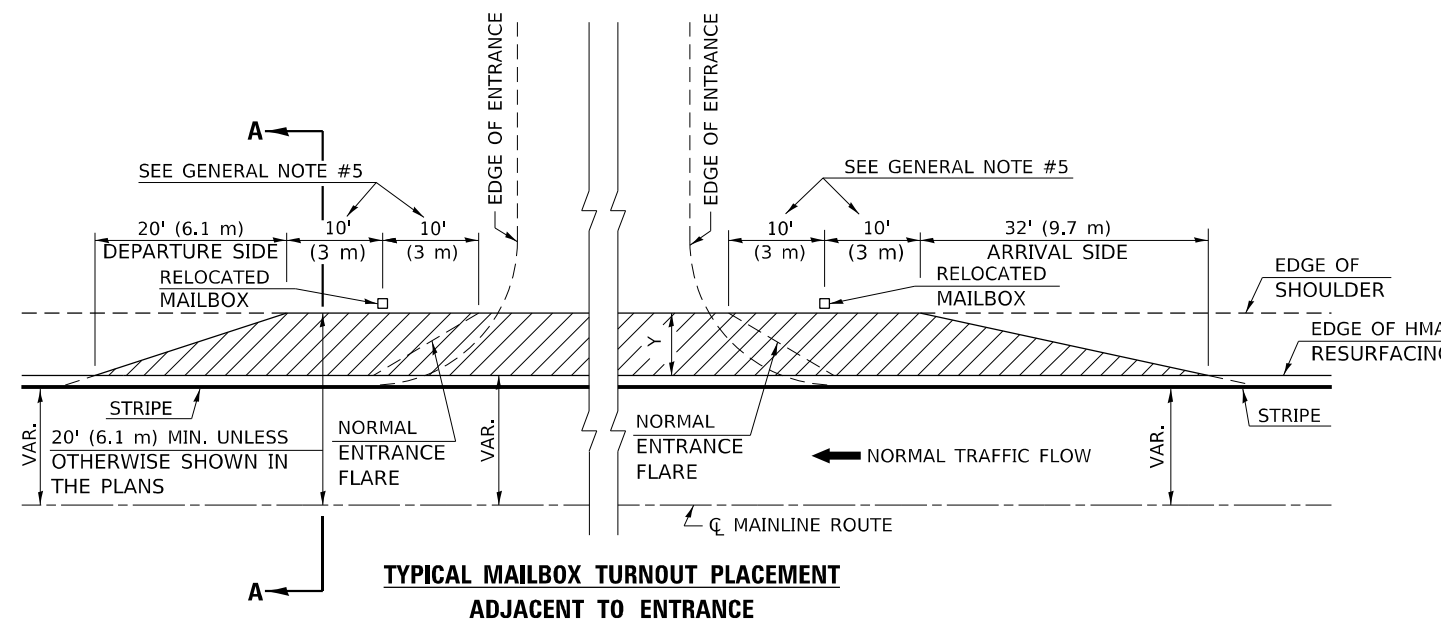
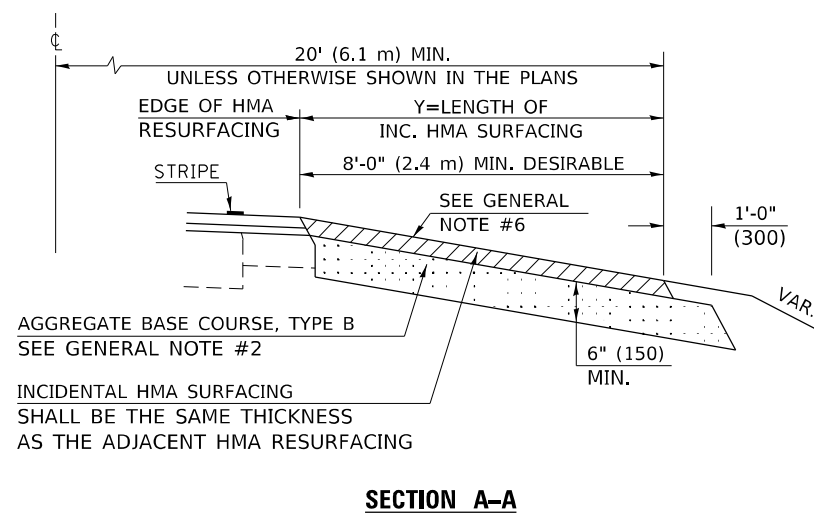
GENERAL NOTES

1. THE EXISTING SURFACE SHALL BE PREPARED IN ACCORDANCE WITH SECTION 408 OF THE STANDARD SPECIFICATIONS.
2. AGGREGATE BASE COURSE, TYPE B, 6" (150) MIN. SHALL BE USED WHERE IN THE OPINION OF THE ENGINEER THERE IS NOT SUFFICIENT BASE MATERIAL FOR THE PROPOSED MAILBOX TURNOUTS. THIS MATERIAL SHALL GENERALLY BE USED TO WIDEN ALL EXISTING MAILBOX TURNOUTS OR TO CONSTRUCT NEW MAILBOX TURNOUTS WHERE NONE NOW EXISTS.
3. ANY NECESSARY WORK BEHIND THE INCIDENTAL HMA SURFACING SHALL BE AS SHOWN IN THE PLANS AND/OR AS DIRECTED BY THE ENGINEER.
4. THE TEMPORARY RELOCATION OF EXISTING MAILBOXES SHALL BE IN ACCORDANCE WITH ARTICLE 107.20 OF THE STANDARD SPECIFICATIONS.
5. WHEN MORE THAN ONE RELOCATED MAILBOX IS INCLUDED IN A PARTICULAR LOCATION THE TWO 10' (3 m) DIMENSIONS AS SHOWN ABOVE SHALL BE FROM THE END MAILBOX.
6. CROSS SLOPE SHALL BE AS SHOWN ON THE STATION CROSS SECTIONS AND/OR AS DIRECTED BY THE ENGINEER.
MINIMUM 4% (1/2") DESIRABLE; MAXIMUM 8% (1")
7. WHEN MAILBOX TURNOUTS ARE CONSTRUCTED ADJACENT TO FIELD ENTRANCES, THE WIDTH OF THE INCIDENTAL HMA SURFACING CONSTRUCTED FOR THE FIELD ENTRANCE SHALL MATCH THE WIDTH OF THE PROPOSED MAILBOX TURNOUT SURFACING.
8. THE TOTAL SHOULDER WIDTH, 2.4 m (8') MINIMUM, SHALL BE PAVED BETWEEN SIDEROADS ENTRANCES AND/OR MAILBOX TURNOUTS AT LOCATIONS WHERE THE DISTANCE BETWEEN RADIUS OR TAPER CONTROL POINTS IS LESS THAN 15.0 m (50').
9. MAILBOXES SHALL BE MOUNTED SUCH THAT THE FACE OF THE MAILBOX IS 6" (150 mm) TO 12" (300 mm) AND THE POST A MINIMUM OF 24" (600 mm) FROM THE EDGE OF THE TURNOUT SURFACING.

PROJECTS WITH RECONSTRUCTION ("3R" IMPROVEMENTS)



WIDTH OF SHOULDER	4'-0" - 8'-0" (1.2 m - 2.4 m)	10'-0" (3.0 m)
WIDTH OF TURNOUT "Y"	8'-0" (2.4 m)	8'-0" - 10'-0" (2.4 m - 3.0 m)



Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

DISTRICT 5 DETAIL NO. 4080050B

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	DATE -	REVISED -

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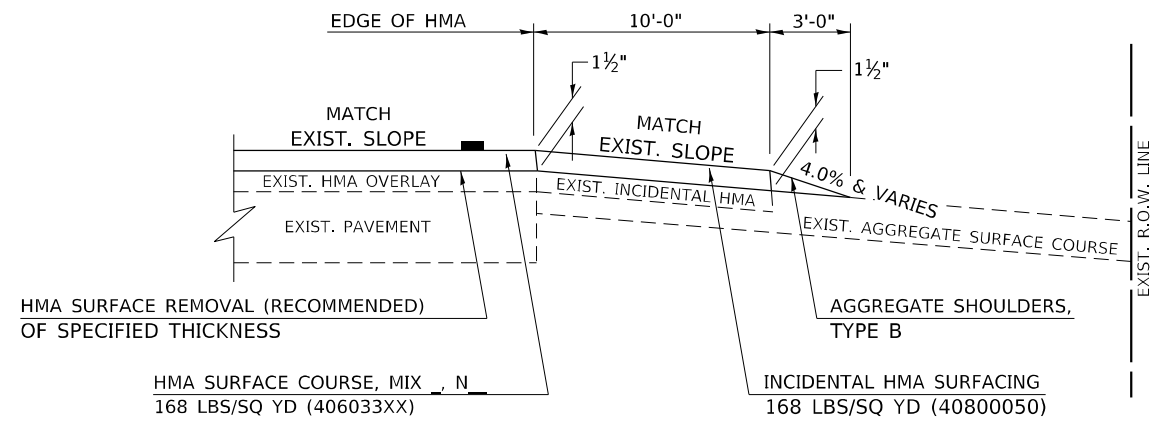
MAILBOX TURNOUT (RURAL)

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	(30, 31)RS-2	MCLEAN	60	45
CONTRACT NO. 70988				
ILLINOIS FED. AID PROJECT				

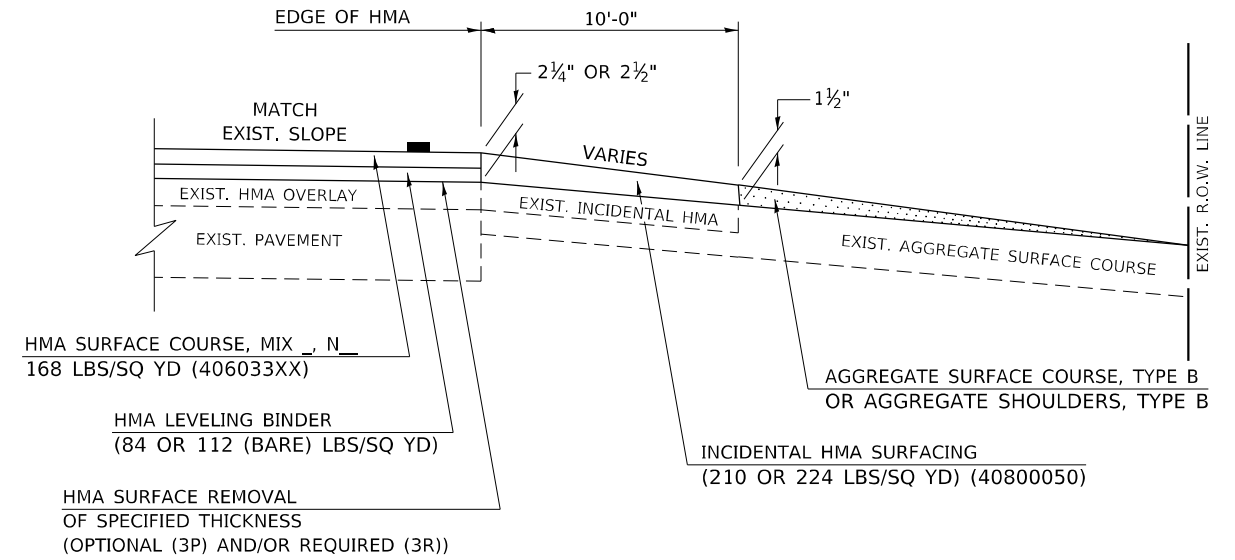
PROJECTS WITHOUT RECONSTRUCTION

S.M.A.R.T. IMPROVEMENTS (POLICY RESURFACING; BDE 53-4.03; 1½")

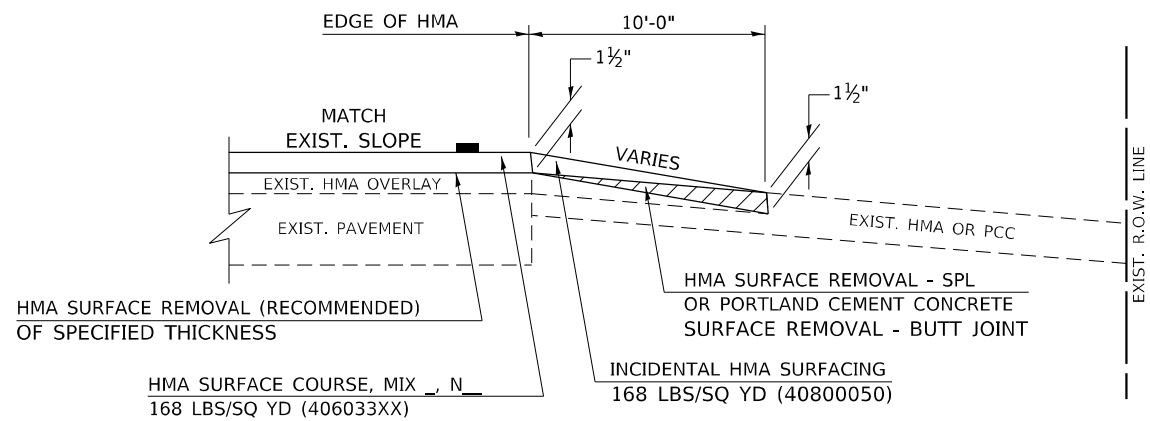


EXISTING AGGREGATE ENTRANCE

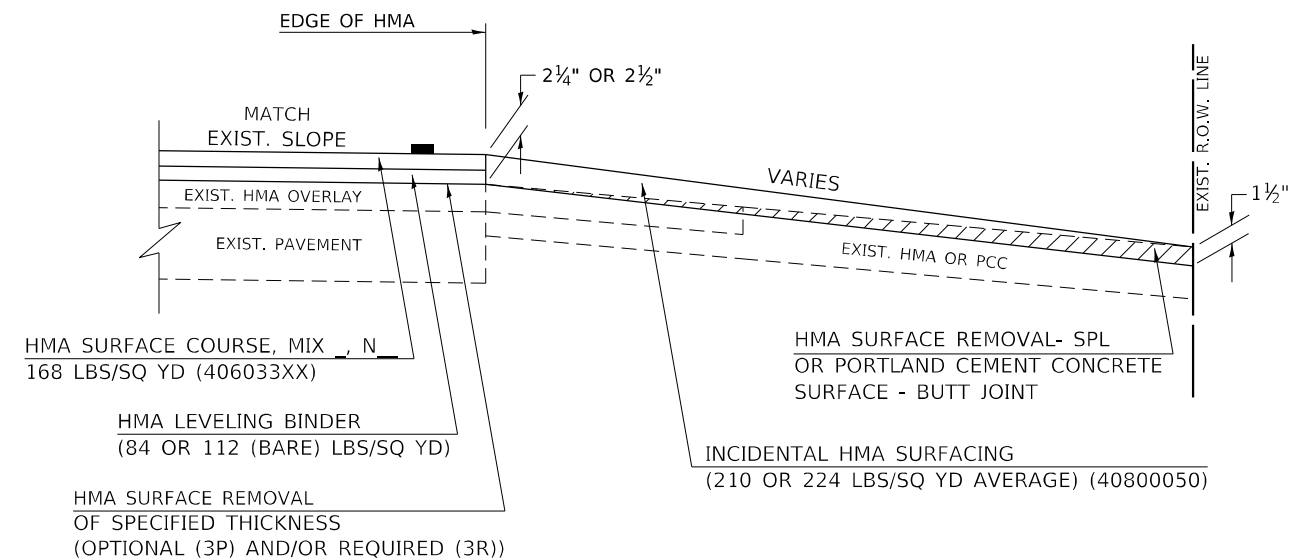
"3P" OR "3R" IMPROVEMENTS (POLICY RESURFACING; BDE 53-4.02; 2¼" OR 2½" ON BARE CONCRETE)



EXISTING AGGREGATE ENTRANCE



EXISTING HMA OR PCC ENTRANCE



EXISTING HMA OR PCC ENTRANCE

Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

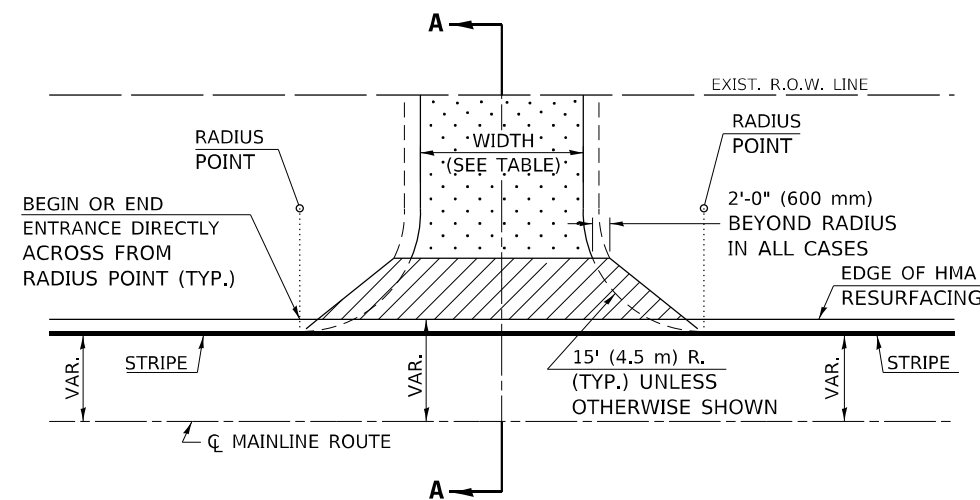
PRIVATE COMMERCIAL ENTRANCES (NONCOMMERCIAL AND COMMERCIAL RURAL)			
SCALE:	SHEET 1	OF 2 SHEETS	STA. TO STA.

DISTRICT 5 DETAIL NO. 4080050C				
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	(30, 31)RS-2	MCLEAN	60	46
CONTRACT NO. 70988				
ILLINOIS FED. AID PROJECT				

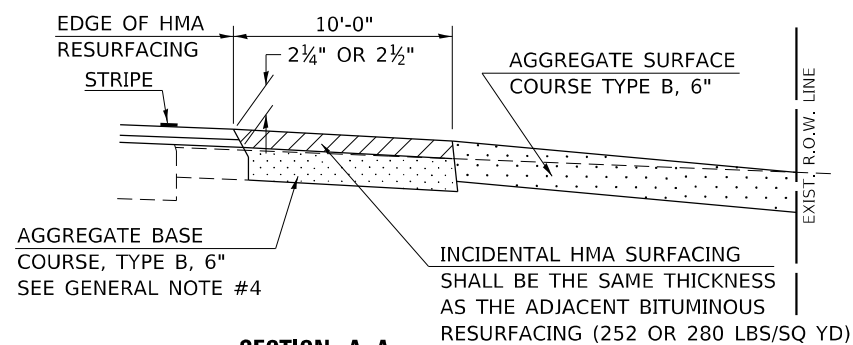
PROJECTS WITH RECONSTRUCTION

AGGREGATE ENTRANCE

(3R IMPROVEMENTS)

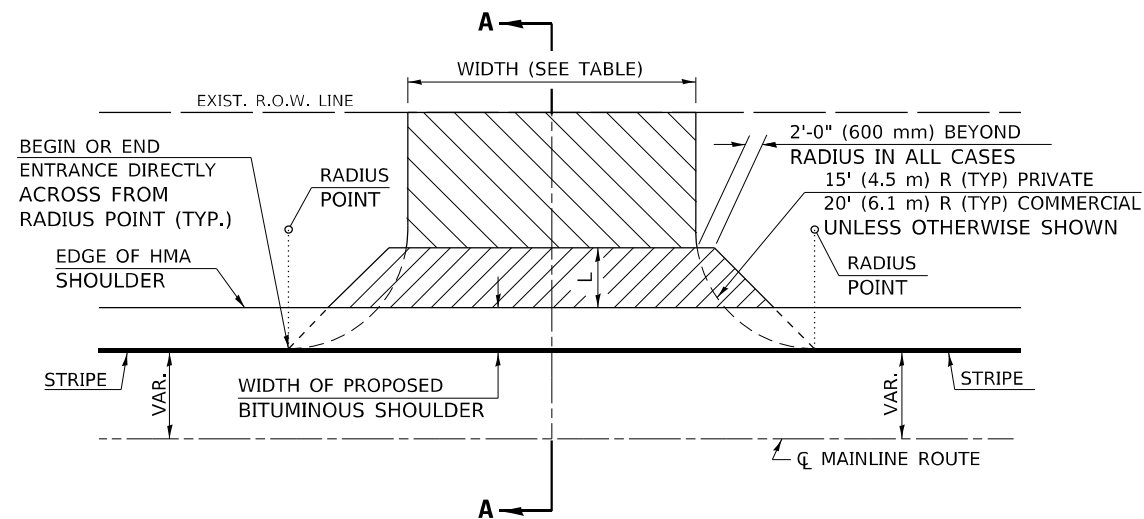


TYPICAL APPLICATION

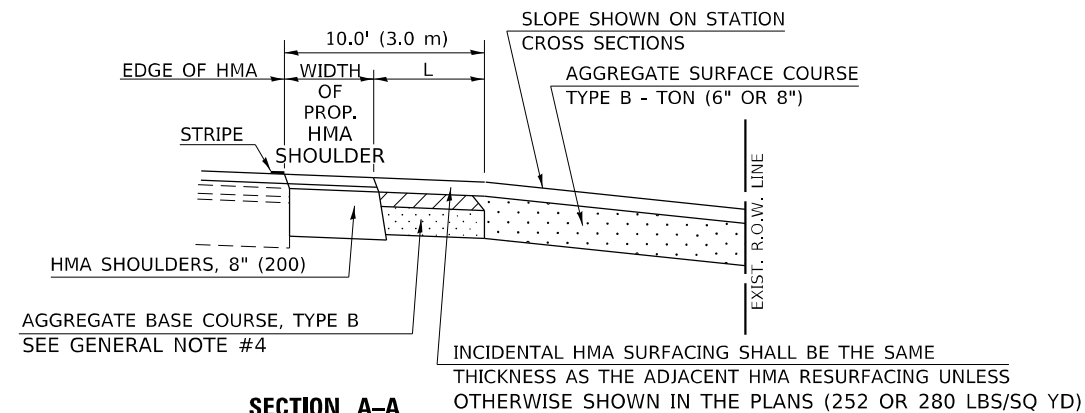


SECTION A-A

HMA OR PCC ENTRANCE



TYPICAL APPLICATION



SECTION A-A "HMA EXAMPLE"

GENERAL NOTES

1. THE EXISTING SURFACE SHALL BE PREPARED IN ACCORDANCE WITH SECTION 408 OF THE STANDARD SPECIFICATIONS.
2. ANY NECESSARY WORK BEHIND THE HMA SHOULDER OR THE INCIDENTAL HMA SURFACING SHALL BE AS SHOWN IN THE PLANS AND/OR AS DIRECTED BY THE ENGINEER.
3. EARTH EXCAVATION REQUIRED FOR THE CONSTRUCTION OF THE AGGREGATE SURFACE COURSE SHALL BE INCLUDED IN THE COST OF AGGREGATE SURFACE COURSE.
4. AGGREGATE BASE COURSE, TYPE B, 6" (150 mm) MIN. SHALL BE USED WHERE IN THE OPINION OF THE ENGINEER THERE IS NOT SUFFICIENT BASE MATERIAL FOR THE PROPOSED ENTRANCES. THIS MATERIAL SHALL GENERALLY BE USED TO WIDEN ANY EXISTING RETURN OR TO CONSTRUCT NEW ENTRANCES WHERE NONE NOW EXISTS.
5. THE AGGREGATE BASE COURSE SHALL BE CONSTRUCTED 12" (300 mm) WIDER THAN THE SURFACE DIMENSIONS AS SHOWN ABOVE.
6. THE AGGREGATE BASE COURSE SHALL BE CONSTRUCTED 12" (300 mm) WIDER THAN THE SURFACE DIMENSIONS AS SHOWN ABOVE.
7. EXISTING FIELD ENTRANCES OF AGGREGATE OR EARTH WITH NO HMA APRON SHALL NOT RECEIVE A NEW HMA APRON WITHOUT PROPER APPROVAL THROUGH THE BUREAU OF OPERATIONS "POLICY ON PERMITS FOR ACCESS DRIVEWAYS TO STATE HIGHWAYS".

TO ASSURE APPROPRIATE ACCESS POLICIES ARE FOLLOWED ALL NEW ACCESS SHALL BE APPLIED FOR THROUGH THE BUREAU OF OPERATIONS PERMIT APPLICATION PROCESS. PLAN PREPARATION MEMORANDUMS 40-09 ALONG WITH DISTRICT PROJECT IMPLEMENTATION MEMO 104/01 DISCUSS THIS PROCEDURE.

Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

RURAL ENTRANCE DESIGN STANDARDS (PPM 40-09)

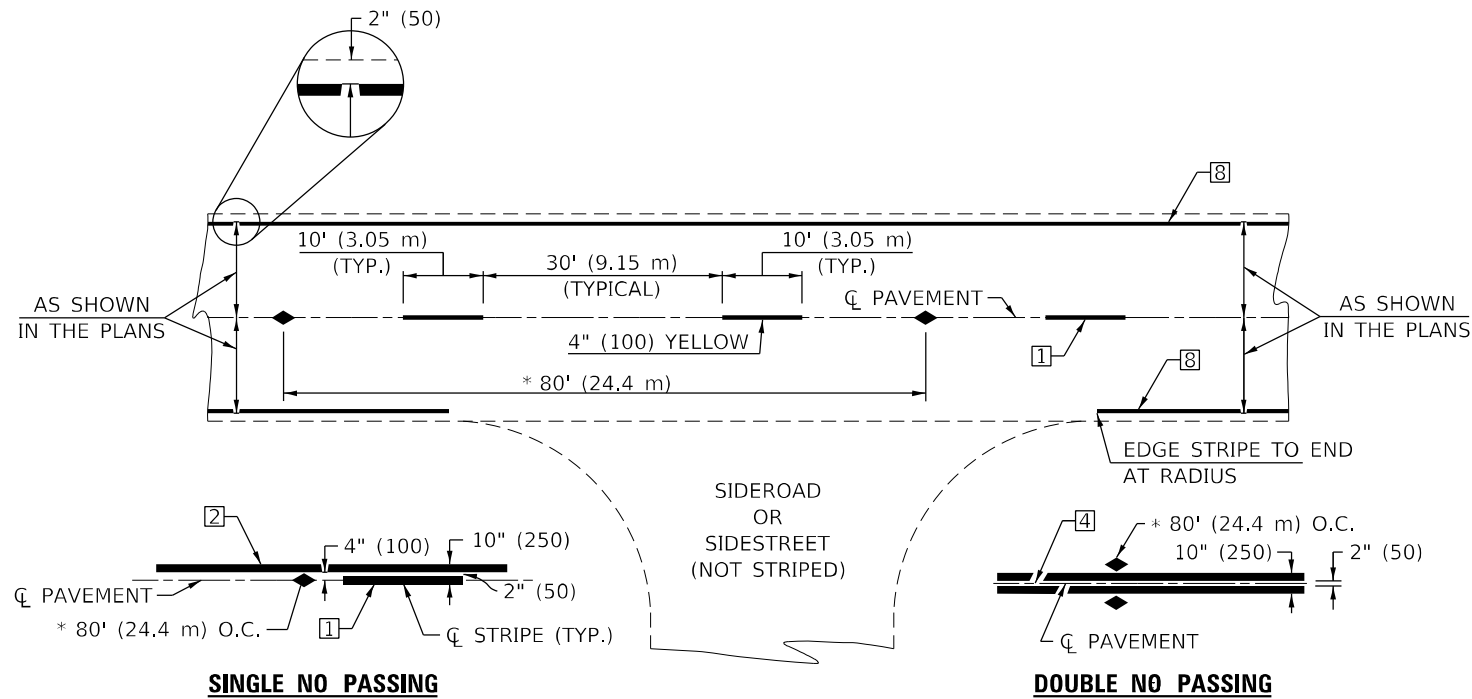
DESIGN ELEMENT	NEW CONSTRUCTION & 3R with CONSTRUCTION						3R w/out RECONSTRUCTION, 3P, SMART & CM								
	NONCOMMERCIAL			FIELD W/FARM IMPLEMENTS			COMMERCIAL			NONCOMMERCIAL			COMMERCIAL		
	min.	des.	max.	min.	max.	min.	des.	max.	min.	des.	max.	min.	des.	max.	
SURFACE WIDTH (FT)	12	16	24	24	30	1 LANE, 1 WAY			1 LANE, 1 WAY			1 LANE, 1 WAY			
						14	16	24	2 LANE, 2 WAY			2 LANE, 2 WAY			2 LANE, 2 WAY
RADIUS (FT)	15	25	40	30		20	30	50	resurface existing configuration; existing aggregate or earth entrances shall have the continuation of aggregate shoulders placed behind them						
SHOULDER WIDTH (FT)	2	2		2		1	3								
SHOULDER SLOPE (%)	2	4	6	4		2	4	6							
ENTRANCE GRADE (%)	0	2 to 5	10 or 12	2 to 5	10 or 12	0	2 to 5	8 or 10							
SIDE SLOPE (FT)	1:10	1:6	1:4	1:6	1:4	1:10	1:6	1:4							
SURFACE TYPE															
INCIDENTAL HMA SURFACING (INCH)		2		2		3 or 4			taper from hma resurfacing thickness (2 1/2", 2 1/4" or 1 1/2") to 1 1/2" to minimize aggregate shoulder						
AGGREGATE SURFACE COURSE, TYPE B (INCH)		6		6		8			if applicable, use items: Preparation of Base & Aggregate Base Repair; see PPM 30-02						
PCC DRIVEWAY PAVEMENT (INCH)		6						6 or 8							

DISTRICT 5 DETAIL NO. 4080050C

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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	(30, 31)RS-2	MCLEAN	60	47
CONTRACT NO. 70988			ILLINOIS FED. AID PROJECT	



* REDUCE TO 40' (12.2 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEEDS OF 45 mph (70 km/h) OR LESS.

TWO LANE/TWO WAY

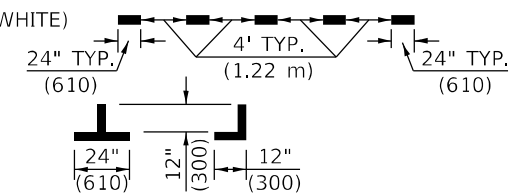
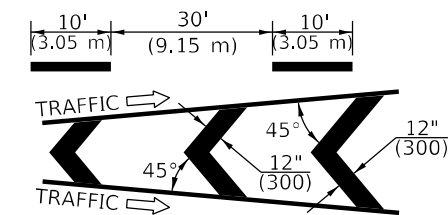
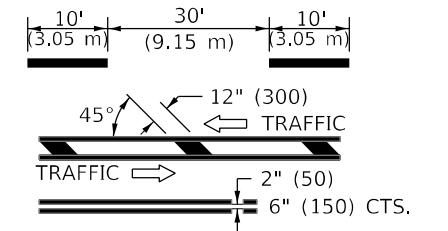
US 24 - SKIP DASH
STA. 850+78.52 TO STA. 1132+85.32

TYPICAL PAVEMENT MARKING LEGEND

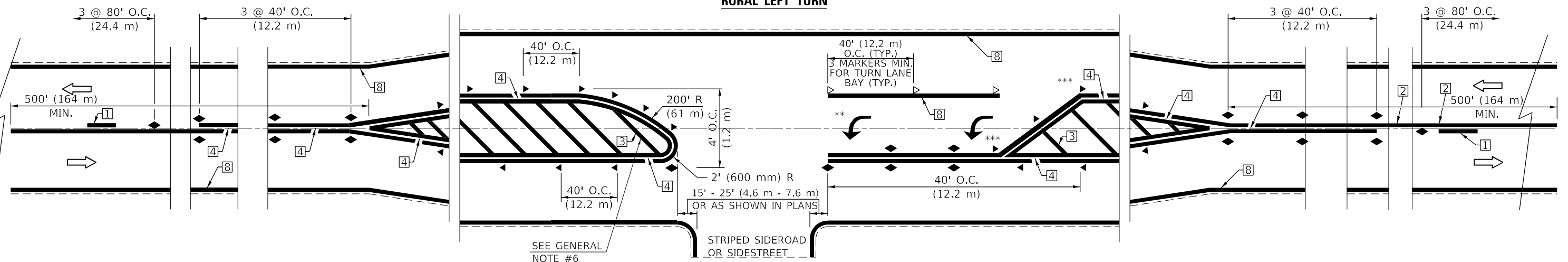
- 1 4" (100) SKIP-DASH (YELLOW)
- 2 4" (100) SOLID (YELLOW)
- 3 12" (300) DIAGONAL (YELLOW)
- 4 4" (100) DOUBLE YELLOW (NARROW)
- 5 RESERVED
- 6 RESERVED
- 7 4" (100) SKIP-DASH (WHITE)
- 8 4" (100) SOLID (WHITE)
- 9 12" (300) DIAGONAL (WHITE)
- 10 6" (150) SOLID (WHITE)
- 11 24" (600) STOP BAR (WHITE)
- 12 8" (200) SOLID (WHITE)
- 13 4" (100) LANE LINE EXTENSIONS (WHITE)
- 14 4" (100) PARKING WHITE

TYPICAL PAVEMENT MARKERS LEGEND

- ◆ TWO-WAY AMBER MARKER
- ▶ ONE-WAY AMBER MARKER
- ▷ ONE-WAY CRYSTAL MARKER



RURAL LEFT TURN



*** REDUCE SPACING IF NECESSARY TO ASSURE MARKERS AT CORNER POINTS.
** TURN ARROWS SHALL BE PLACED AS SHOWN ON SHEET #2.

Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

DISTRICT 5 DETAIL NO. 7800AAAA

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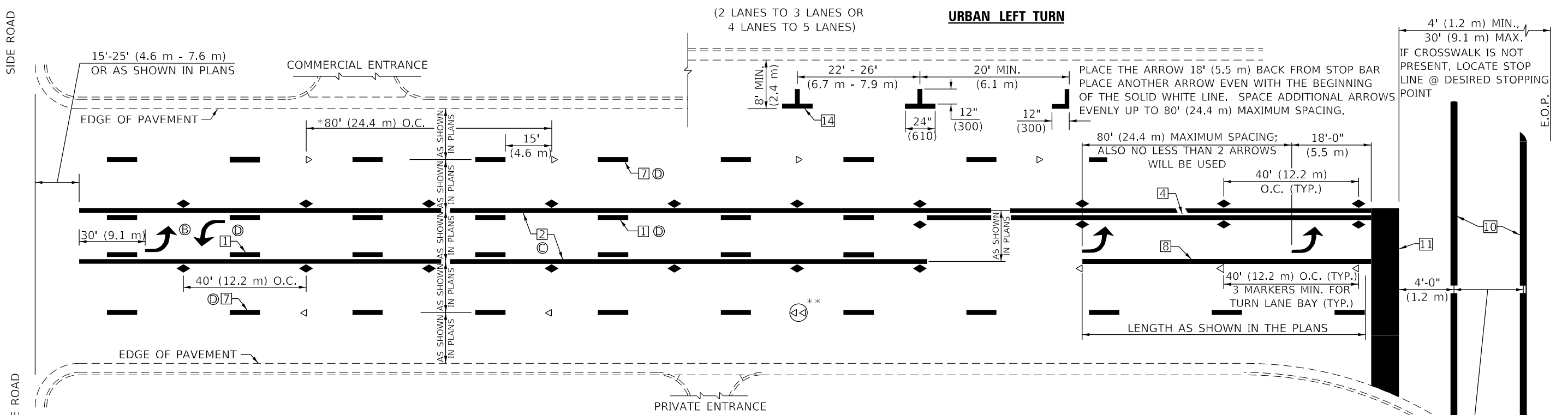
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING AND MARKERS
(RURAL & URBAN APPLICATIONS)**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	(30, 31)RS-2	MCLEAN	60	48
CONTRACT NO. 70988				
ILLINOIS FED. AID PROJECT				

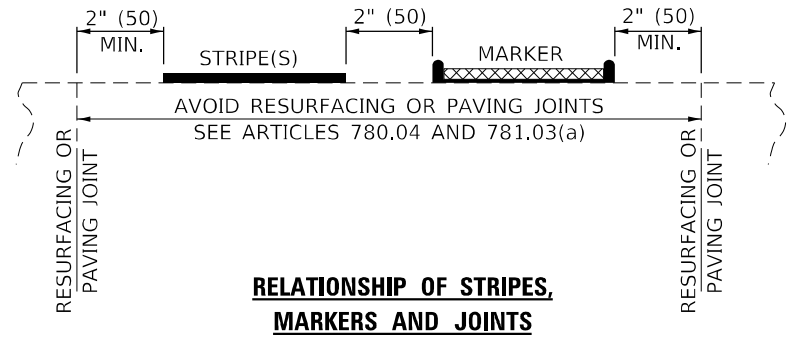
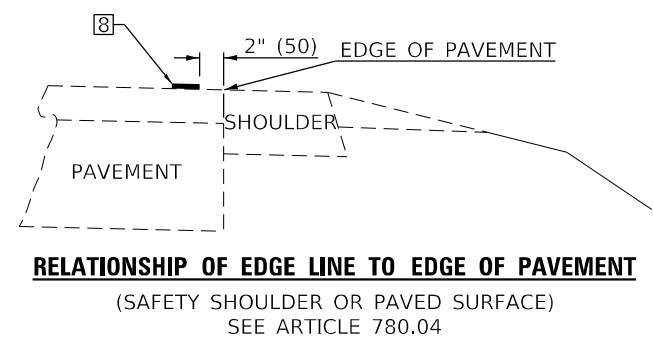
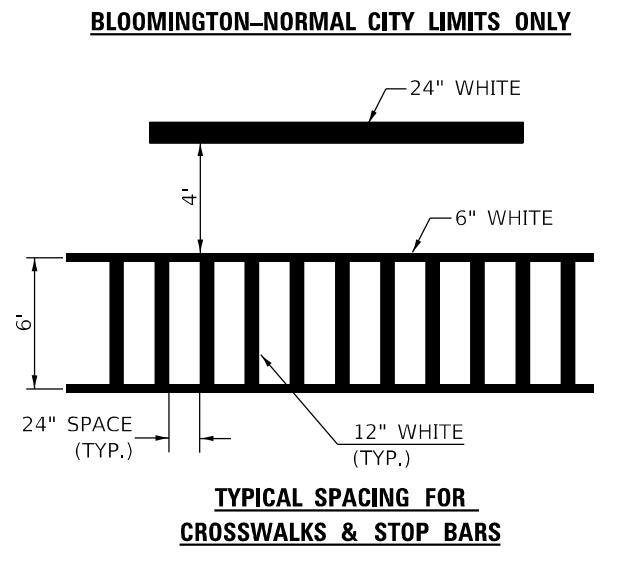
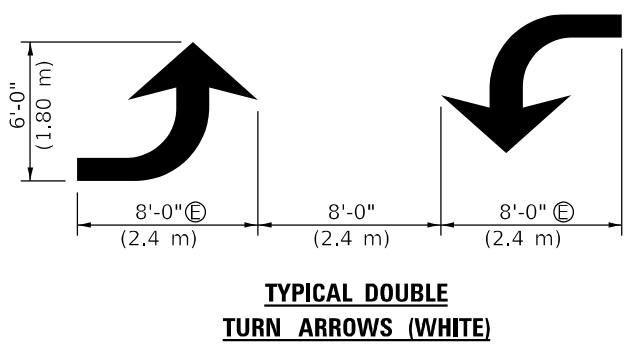
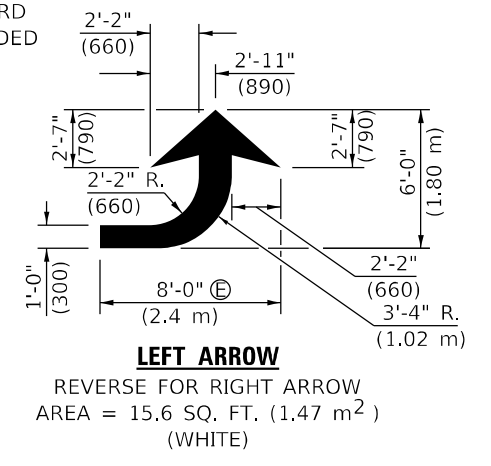


* REDUCE TO 40 FEET (12.2 METERS) ON CENTER ON CURVES WHERE ADVISORY SPEEDS ARE 10 MPH (15 km/h) LOWER THAN POSTED SPEEDS.

** DOUBLE LANE LINE MARKERS SHALL BE SPECIFIED AND SPACED AS SHOWN IN HIGHWAY STANDARD 781001 FOR MULTI-LANE DIVIDED AND UNDIVIDED HIGHWAYS.

GENERAL NOTES:

- (B) TURN ARROW PAIRS SHALL BE PLACED AT 250' (75 m) INTERVALS AND SHALL BE EVENLY SPACED BETWEEN BOTH ENDS OF THE BIDIRECTIONAL LEFT TURN LANE.
- (C) THE SOLID YELLOW PAVEMENT MARKINGS [2] SHOULD GENERALLY START OR END NEAR THE RADIUS POINT OF EACH STREET RETURN EXCEPT WHERE ONE OR BOTH ENDS WOULD INCLUDE STOP BARS.
- (D) THE SKIP-DASH PAVEMENT MARKINGS [1] OR [7] SHOULD BE CENTERED BETWEEN BOTH ENDS OF EACH CITY BLOCK AND SHALL BE PLACED SO THEY LINE UP ACROSS FROM EACH OTHER. SEE EXAMPLE ON SHEET 2 OF 3.
- (E) USE LARGE ARROW SIZE FOR BOTH RURAL AND URBAN LOCATIONS. (SEE LAST PAGE OF SECTION 780x FOR SYMBOLS TABLE)



Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

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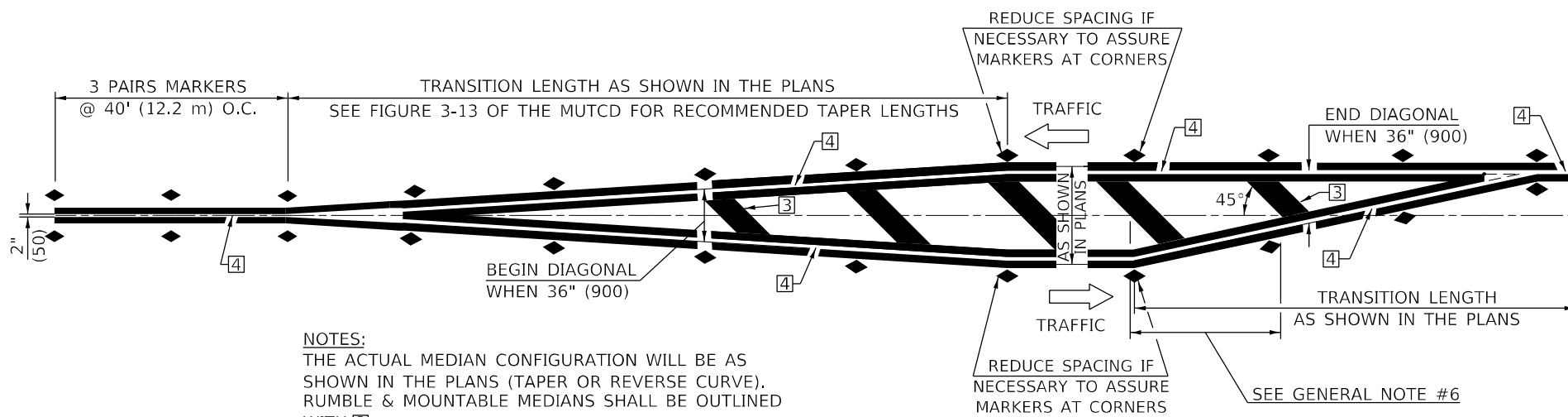
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING AND MARKERS
(RURAL & URBAN APPLICATIONS)**

SCALE: SHEET 2 OF 4 SHEETS STA. TO STA.

DISTRICT 5 DETAIL NO. 7800AAA				
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	(30, 31)RS-2	MCLEAN	60	49
			CONTRACT NO. 70988	
ILLINOIS FED. AID PROJECT				

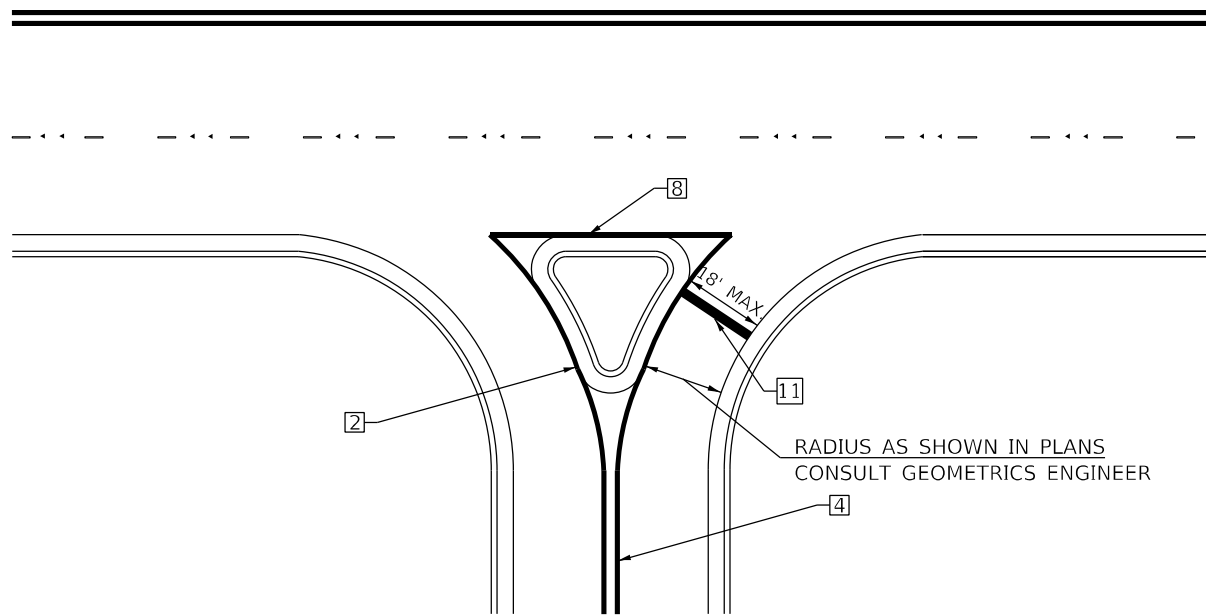


NOTES:
 THE ACTUAL MEDIAN CONFIGURATION WILL BE AS SHOWN IN THE PLANS (TAPER OR REVERSE CURVE). RUMBLE & MOUNTABLE MEDIANS SHALL BE OUTLINED WITH [2].

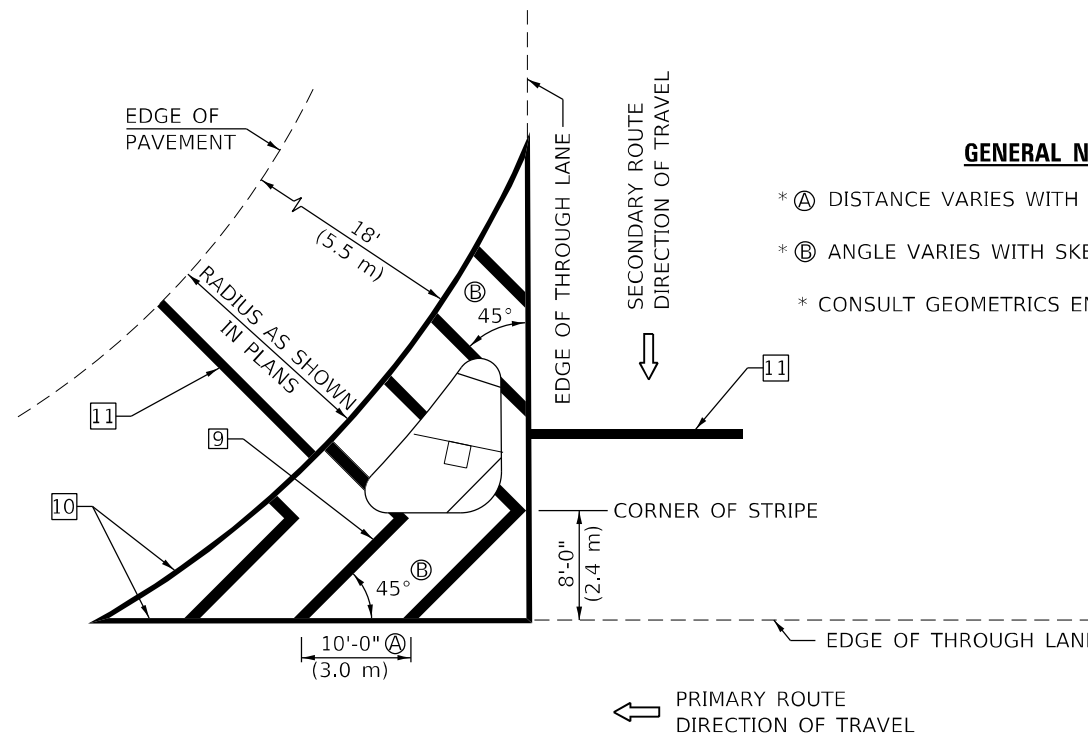
TYPICAL MEDIAN TRANSITIONS

GENERAL NOTES

1. WHEN MEDIANS ARE PRESENT, PAVEMENT MARKINGS ARE TO BE PLACED ADJACENT TO MEDIANS.
2. SOME OF THE INFORMATION INCLUDED WITH THIS DETAIL MAY NOT BE APPLICABLE TO THIS IMPROVEMENT.
3. PAVEMENT MARKINGS ARE TO BE EXTENDED THROUGH OMISSIONS WHEN APPLICABLE.
4. A STRIPING KEY IS AVAILABLE ELSEWHERE AND SHALL BE SHOWN WHERE THE QUANTITIES ARE LISTED.
5. FINAL PAVEMENT MARKINGS SHALL BE IN PLACE PRIOR TO PLACING ANY RAISED REFLECTIVE PAVEMENT MARKERS.
6. THE FOLLOWING CRITERIA SHALL BE USED FOR SELECTING THE DIAGONAL PAVEMENT MARKING SPACING,
 <30 MPH USE 15' (<50 km/h USE 4.5 m)
 30-45 MPH USE 20' (50-75 km/h USE 6.0 m)
 >45 MPH USE 30' (>75 km/h USE 9.0 m)



RIGHT IN - RIGHT OUT ACCESS



ISLAND

GENERAL NOTES

- * A DISTANCE VARIES WITH SKEW OF INTERSECTION.
- * B ANGLE VARIES WITH SKEW OF INTERSECTION.
- * CONSULT GEOMETRICS ENGINEER

Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

DISTRICT 5 DETAIL NO. 7800AAAA

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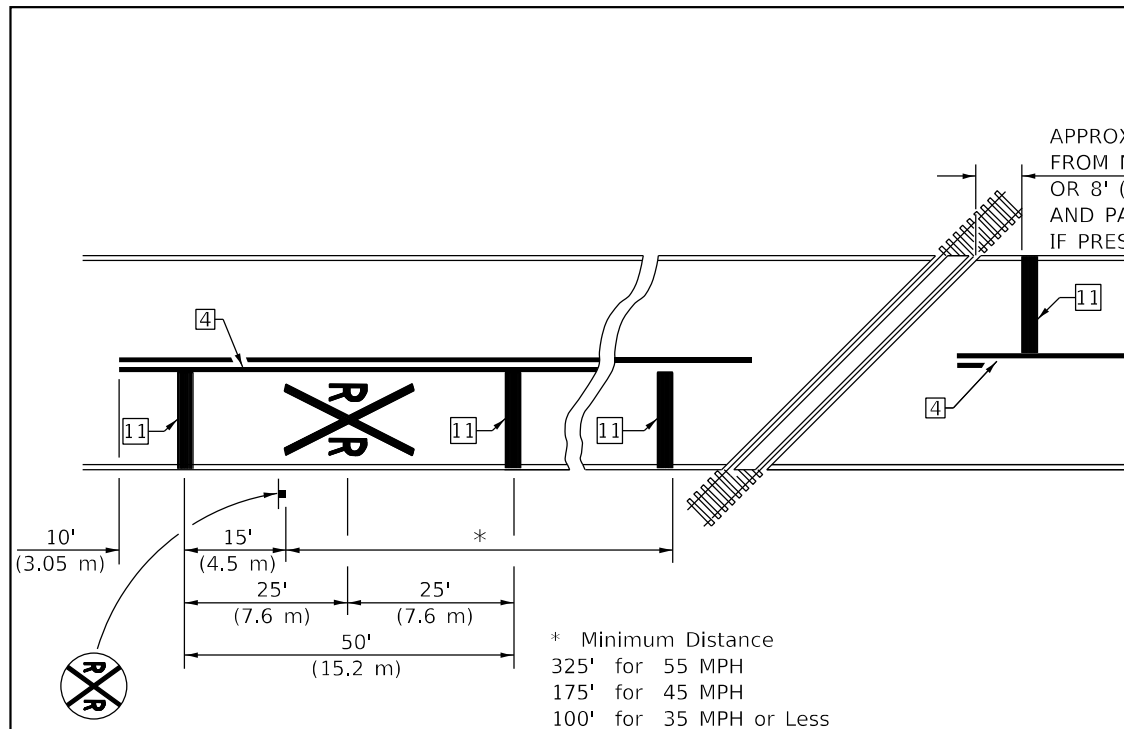
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 DEPARTMENT OF TRANSPORTATION**

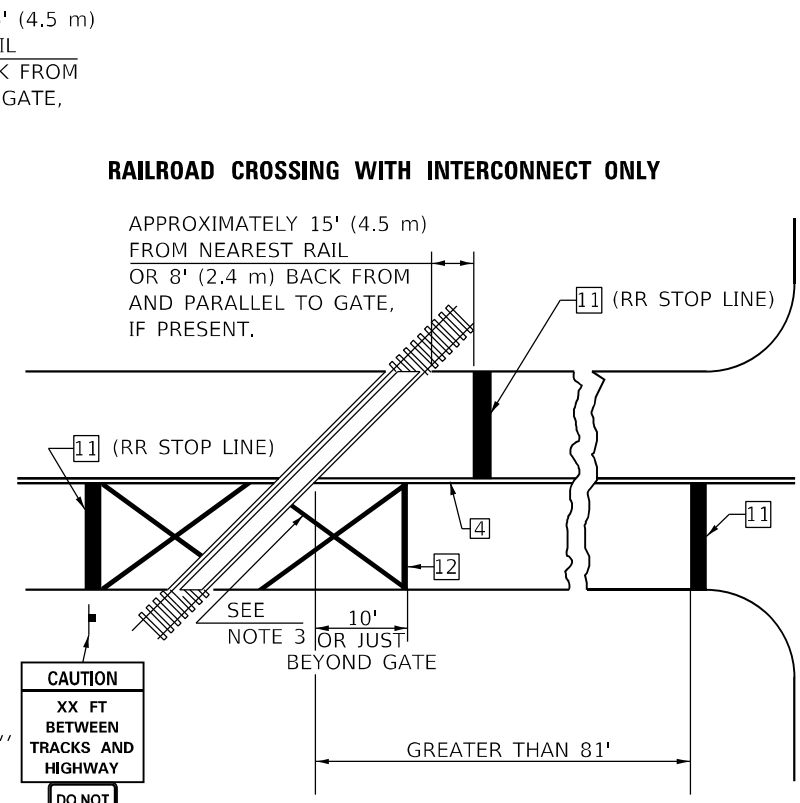
**PAVEMENT MARKING AND MARKERS
 (RURAL & URBAN APPLICATIONS)**

SCALE: SHEET 3 OF 4 SHEETS STA. TO STA.

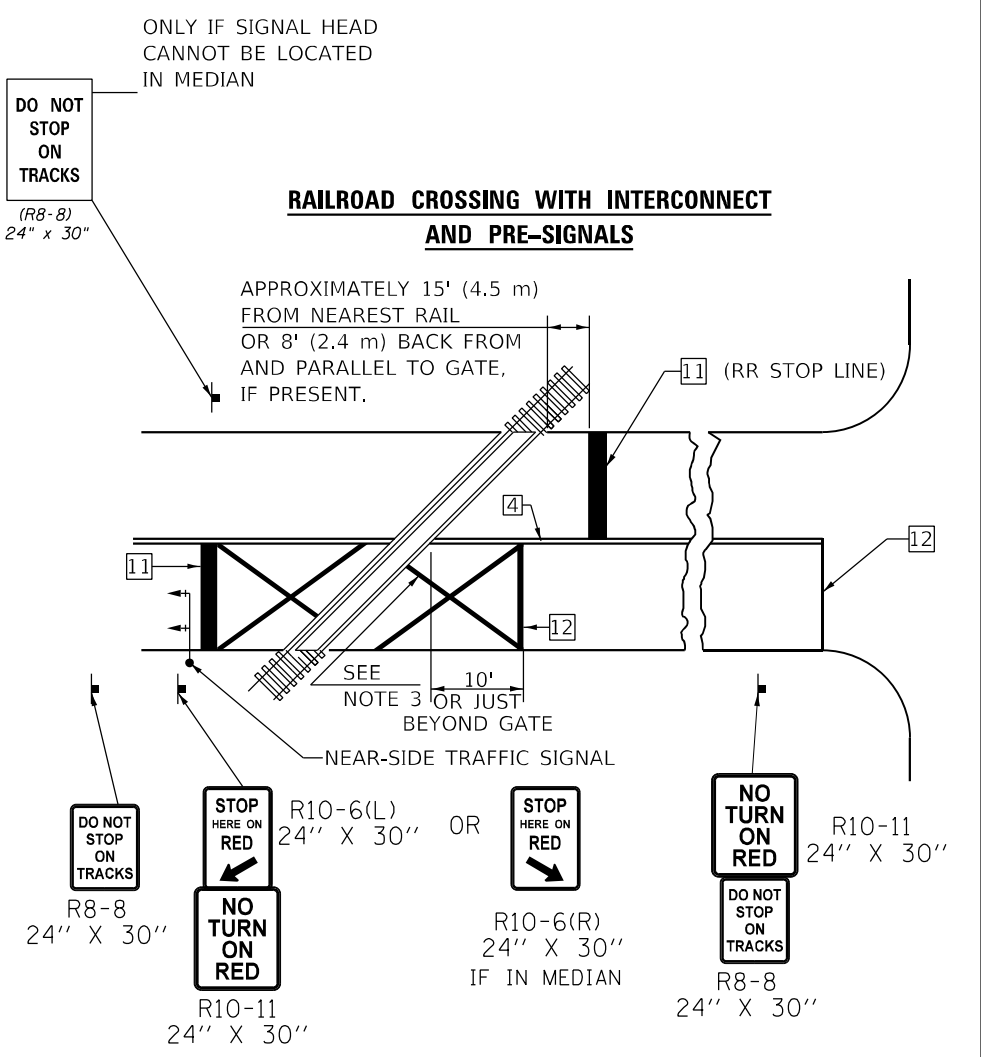
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317	(30, 31)RS-2	MCLEAN	60	50
CONTRACT NO. 70988			ILLINOIS FED. AID PROJECT	



PAVEMENT MARKINGS AT RAILROAD-HIGHWAY GRADE CROSSING



W10-I100
30" X 36"
R8-8
24" X 30"



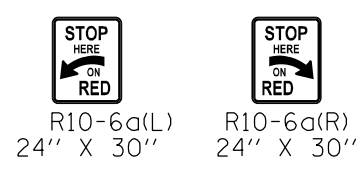
R8-8
24" X 30"
R10-11
24" X 30"
R10-6(L)
24" X 30" OR
R10-6(R)
24" X 30" IF IN MEDIAN
R10-11
24" X 30"
NO TURN ON RED
DO NOT STOP ON TRACKS
R8-8
24" X 30"

SUPPLEMENTAL PAVEMENT MARKING TREATMENT FOR RAILROAD-HIGHWAY GRADE CROSSING

GENERAL NOTES

1. SUPPLEMENTAL PAVEMENT MARKINGS TO BE INSTALLED ONLY ON APPROACHES TO INTERSECTIONS CONTROLLED BY TRAFFIC SIGNALS WHICH ARE INTERCONNECTED WITH THE RAILROAD WARNING SIGNALS.
2. EXTEND PAVEMENT MARKINGS TO THE INTERSECTION ONLY WHERE NEAR-SIDE TRAFFIC SIGNALS ARE USED.
3. 6" WHITE PAVEMENT MARKINGS AT 45° TO PAVEMENT, 8' CENTER TO CENTER.
4. XX DISTANCE TO BE SHOWN ON SIGN MEASURED FROM A POINT 6 FEET FROM THE RAIL CLOSEST TO THE INTERSECTION OR FROM THE CLOSEST POINT ALONG THE EXIT GATE IF PRESENT OVER THE ROADWAY WHEN IN THE LOWERED POSITION TO THE STOP BAR OR CROSSWALK, WHICH EVER IS CLOSEST, ROUNDED DOWN TO NEAREST 5 FEET. WHERE THERE IS NO STOP LINE, MEASURE TO POINT WHERE DRIVER HAS A VIEW OF APPROACHING TRAFFIC.
5. THE CLEARANCE SIGN IS ALSO TO BE USED AS AN INTERIM MEASURE AT LOCATIONS WITH INTERCONNECTED INTERSECTION TRAFFIC SIGNALS WHERE IT IS PLANNED TO CHANGE THEM TO NEAR-SIDE SIGNALS AT A FUTURE TIME. IN THIS CASE, THE DISTANCE TO BE SHOWN ON THE SIGN IS MEASURED FROM THE EDGE OF THE STRIPED-OUT AREA INSTEAD OF 6 FEET FROM THE RAIL. THE SIGN IS TO BE REMOVED WHEN THE NEAR-SIDE SIGNALS ARE INSTALLED AND THE PAVEMENT MARKINGS EXTENDED TO THE INTERSECTION.

ALTERNATE SIGNS



NOTES

THE TRAVERSE SPREAD OF THE "X" MAY VARY ACCORDING TO LANE WIDTH.

ON MULTI-LANE ROADS, THE STOP LINES SHALL EXTEND ACROSS ALL APPROACH LANES AND SEPARATE RXR SYMBOLS SHALL BE PLACED ADJACENT TO EACH OTHER IN EACH LANE.

WHEN THE PAVEMENT MARKING SYMBOL IS USED, A PORTION OF THE SYMBOL SHOULD BE LOCATED DIRECTLY ADJACENT TO THE ADVANCE WARNING SIGN (W10-1) AS PLACED BY TABLE II-1, CONDITION B OF THE MUTCD.

Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

DISTRICT 5 DETAIL NO. 7800AAAA

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING AND MARKERS (RURAL & URBAN APPLICATIONS)

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	(30, 31)RS-2	MCLEAN	60	51
CONTRACT NO. 70988				

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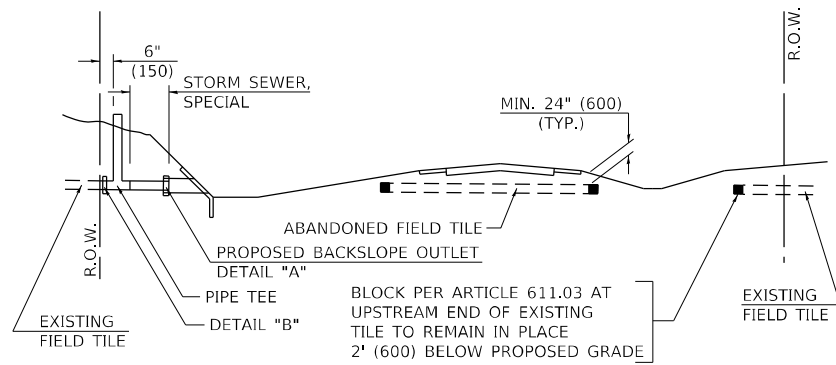
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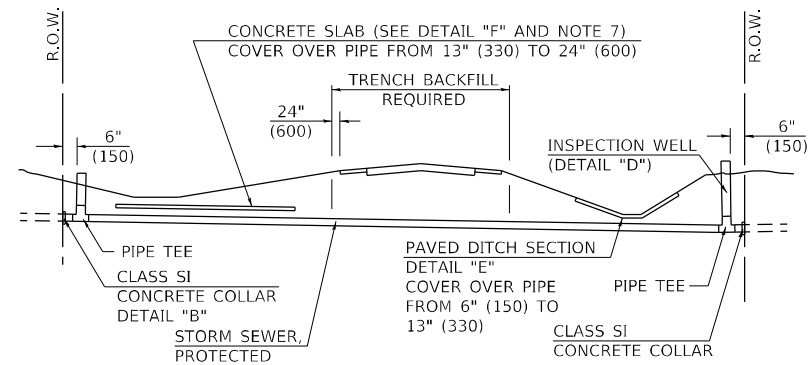
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ILLINOIS FED. AID PROJECT



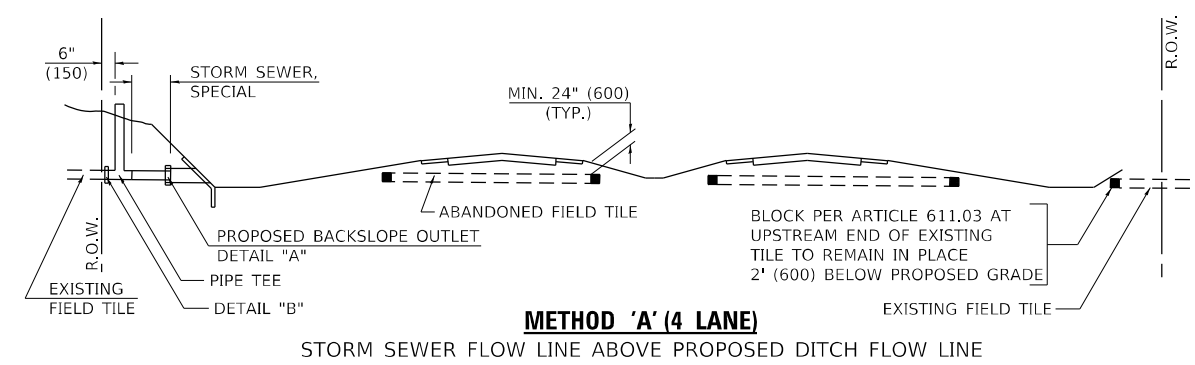
METHOD 'A' (2 LANE)

STORM SEWER FLOW LINE ABOVE PROPOSED DITCH FLOW LINE



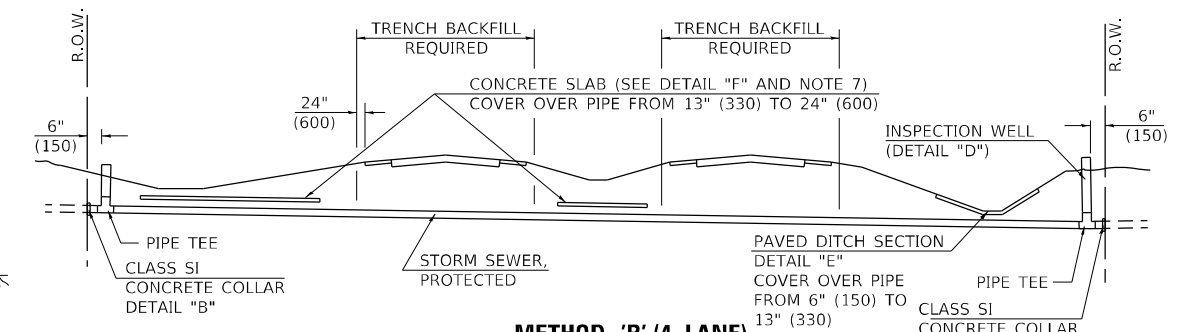
METHOD 'B' (2 LANE)

STORM SEWER LESS THAN 2' (600 mm) BELOW DITCH FLOW LINE AND STORM SEWERS CROSSING UNDER PAVEMENT AND PAVED DITCH



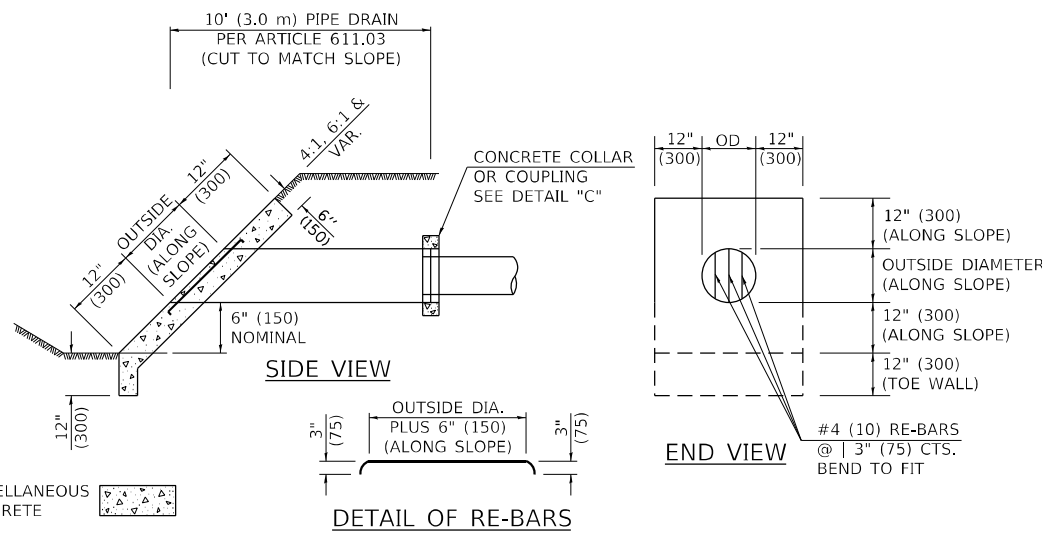
METHOD 'A' (4 LANE)

STORM SEWER FLOW LINE ABOVE PROPOSED DITCH FLOW LINE

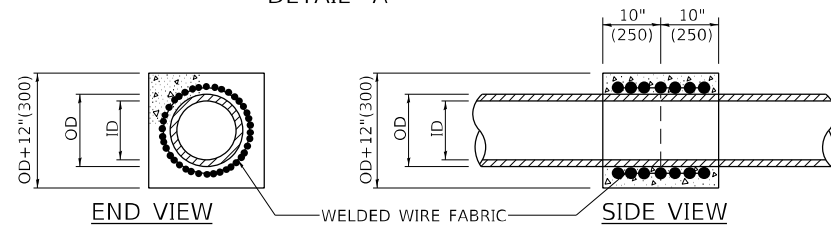


METHOD 'B' (4 LANE)

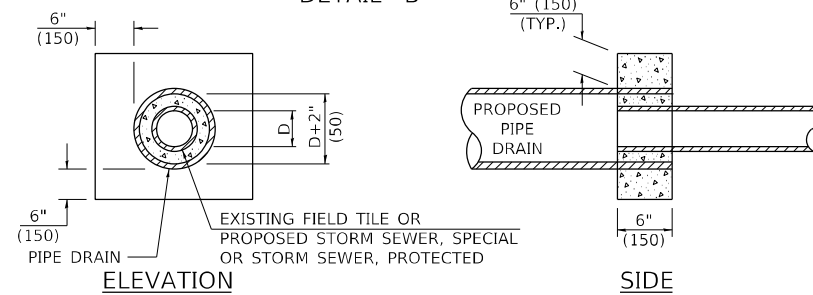
STORM SEWER LESS THAN 2' (600 mm) BELOW DITCH FLOW LINE AND STORM SEWERS CROSSING UNDER PAVEMENTS AND PAVED DITCHES



HEADWALL FOR BACKSLOPE OUTLET
DETAIL "A"



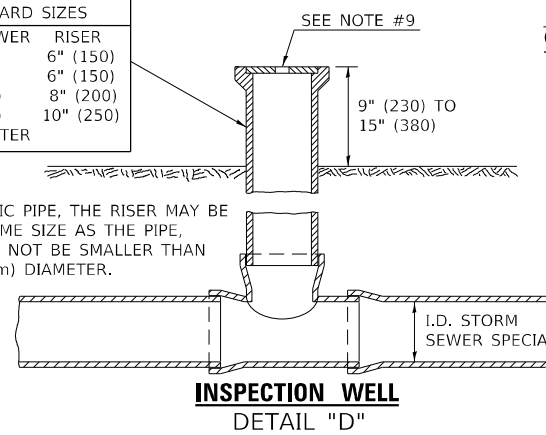
CONCRETE COLLAR
DETAIL "B"



CLASS SI COLLAR
DETAIL "C"

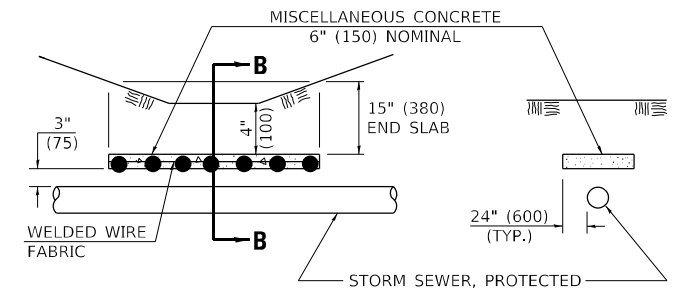
CONCRETE PIPE STANDARD SIZES	
STORM SEWER	RISER
6" (150)	6" (150)
8" (200)	6" (150)
10" (250)	8" (200)
12" (300)	10" (250)
OR GREATER	OR GREATER

FOR PLASTIC PIPE, THE RISER MAY BE OF THE SAME SIZE AS THE PIPE, BUT SHALL NOT BE SMALLER THAN 4" (100 mm) DIAMETER.



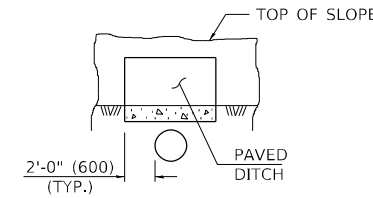
GENERAL NOTES

- EXISTING FIELD TILE ENCOUNTERED BY EXPLORATION TRENCH SHALL BE INSPECTED BY THE ENGINEER FOR UNOBSTRUCTED FLOW WITHIN THE LIMITS OF THE RIGHT-OF-WAY.
- ONLY FIELD TILE THAT DOES NOT HAVE SATISFACTORY FLOW AND OR HAS VISIBLE SIGNS OF DETERIORATION (SINK HOLES, ETC.) SHALL BE REPLACED WITHIN THE LIMITS OF THE RIGHT-OF-WAY IN ACCORDANCE WITH METHOD "B".
- INSPECTION WELLS SHALL BE CONSTRUCTED APPROXIMATELY 6" (150 mm) INSIDE OF BOTH RIGHT-OF-WAY LINES AT ALL FIELD TILE LOCATIONS.
- EXISTING FIELD TILE ABANDONED UNDER EXISTING PAVEMENTS OR PAVED SHOULDERS SHALL BE FILLED WITH FLOWABLE GROUT AS DIRECTED BY THE ENGINEER. THIS WORK WILL BE PAID FOR ACCORDING TO ARTICLE 109.04.
- NON-CIRCULAR FIELD TILE SHALL BE REPLACED WITH STORM SEWER, SPECIAL OF AT LEAST THE SAME CROSS SECTIONAL AREA. ALL EXISTING FIELD TILE SHALL BE REPLACED WITH STORM SEWER OF THE TYPE REQUIRED FOR THE MINIMUM DEPTH OF COVER.
- THE 6" (150 mm) CONCRETE SLAB OR DITCH LINING SHALL BE POURED THE LENGTH OF THE TRENCH AT ALL DITCH FLOW LINE LOCATIONS WITHIN THE RIGHT-OF-WAY WITH LESS THAN 2' (600 mm) OF EARTH COVER. MISCELLANEOUS CONCRETE SHALL BE USED ACCORDING TO SECTION 611.
- ALL MISCELLANEOUS SLABS, APRONS AND DITCH LININGS SHALL BE REINFORCED WITH WELDED WIRE FABRIC AS SHOWN FOR PAVED DITCH IN STANDARD 606401.
- HEADWALL FOR BACKSLOPE OUTLET MAY BE USED FOR PIPE DRAIN DIAMETERS UP TO 10" (250 mm). SPECIAL DESIGNS WILL BE REQUIRED FOR LARGER SIZES.
- THE INSPECTION WELL LID FOR P.C.C. PIPE SHALL BE CONSTRUCTED OF 3/8" (10 mm) CAST IRON AND PROVIDED WITH A 1" (25 mm) DIAMETER HOLE IN CENTER. THE LID FOR THE OTHER PIPE MATERIALS SHALL BE A GRATE ASSEMBLY PREFABRICATED FOR AND COMPATIBLE WITH THE PIPE SYSTEM.



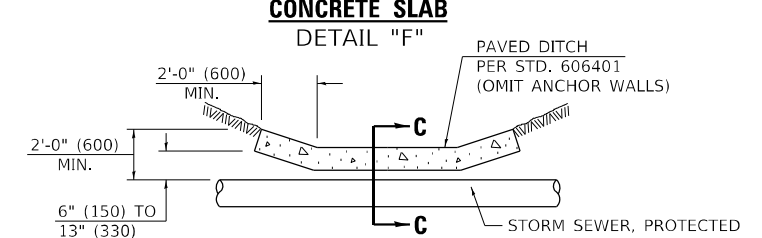
SLAB ELEVATION

SECTION B-B



SECTION C-C

PAVED DITCH
DETAIL "E"



PAVED DITCH ELEVATION

Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

DISTRICT 5 DETAIL NO. 61101011A

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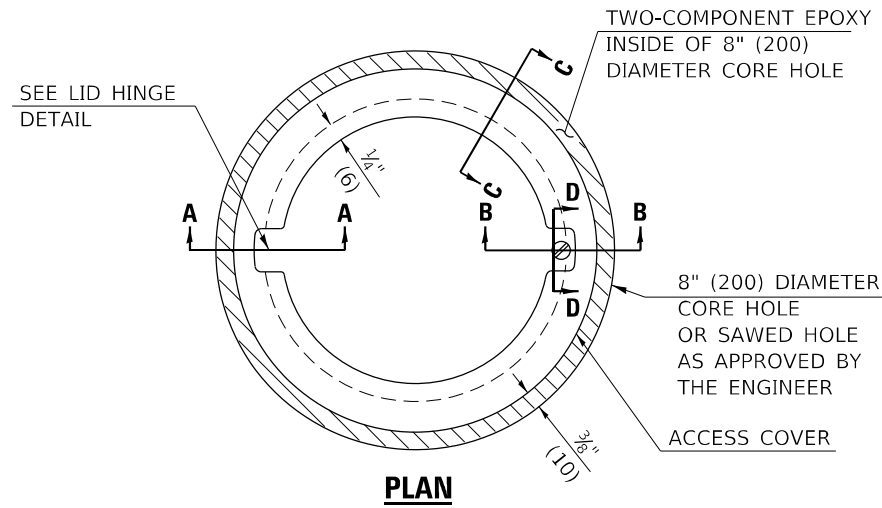
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FIELD TILE SYSTEMS (TREATMENT OF EXISTING)

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 70988				
ILLINOIS		FED. AID PROJECT		

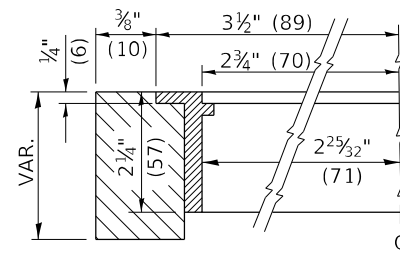
TO BE INSTALLED IN RIGID OR COMPOSITE PAVEMENT FOR PRESERVING LAND SURVEY MONUMENTS (SECTION OR SUBSECTION CORNERS)



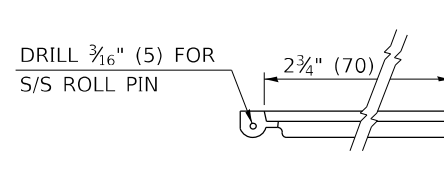
LEGEND

- ALUMINUM CASTING
- 5" (125) OR 6" (150) P.V.C. PIPE
- TWO-COMPONENT EPOXY

T = THICKNESS OF PAVEMENT STRUCTURE
 H = THE THICKNESS OF THE SUB-BASE GRANULAR + 1" (25)



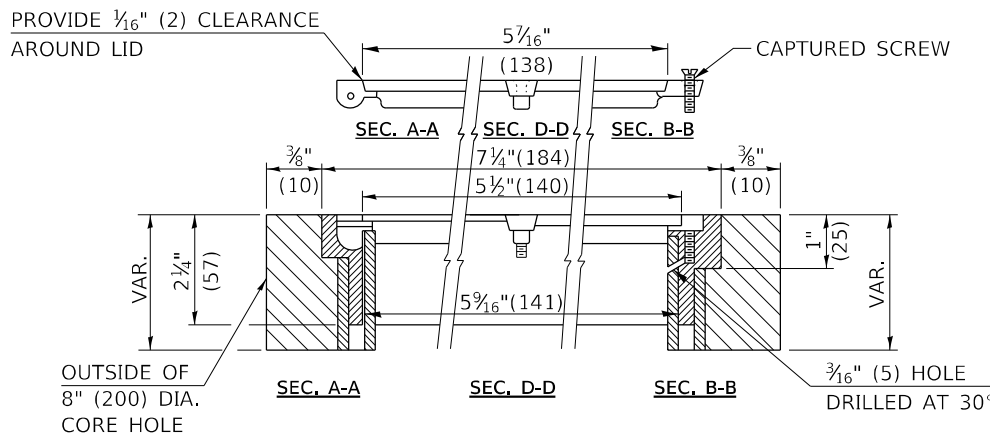
SECTION C-C



LID HINGE DETAIL

SPECIFICATIONS FOR ACCESS COVER FOR USE WITH SURVEY MARKER VAULT(S) AND SURVEY MARKER COVER ASSEMBLY(S): THE ACCESS COVER WILL BE CAST FROM A SPECIAL ALUMINUM ALLOY THAT IS COMPARABLE TO BRONZE IN HARDNESS. THE ACCESS COVER SHALL BE SPECIALLY ENGINEERED AND DESIGNED TO PROVIDE A SNUG FIT, INCORPORATING EQUIDISTANT LOCKING RIDGES, INSIDE A STANDARD 6" (150 mm) DIAMETER, OR OUTSIDE A STANDARD 5" (125 mm) DIAMETER, SCHEDULE 40 PVC PIPE. THE ACCESS COVER SHALL HAVE SPECIAL UNIFORM 1" (25 mm) THICK TOP SURFACE TO PERMIT INFORMATION TO BE EASILY MACHINE-STAMPED INTO IT. THE ACCESS COVER SHALL INCLUDE A STAINLESS CAPTURED SCREW AND AN OPPOSING RECESSED HINGE ASSEMBLY AS ITS LOCKING MECHANISM. THE ACCESS COVER SHALL INCORPORATE A SPECIAL ACCESS HOLE FOR CLEANING AND DRAINAGE, DRILLED AT 30° INSIDE THE RING OF THE ACCESS COVER, TO THE DRILLED AND TAPPED HOLE PROVIDED FOR THE STAINLESS CAPTURED SCREW. COMPOSITION: ALUMINUM 92-93%; MAGNESIUM 6.5-7.5%. STRENGTH: YIELD - 19,000-21,000 PSI (131-145 MPa); TENSILE - 38,000-44,000 PSI (262-303 MPa); ELONGATION - 10-15% IN 2" (50 mm). SPECIFICATIONS: ALLOY 535.0; QQ-A-601Es. NO EXCEPTIONS.

RE-BAR-SURVEY MARKER, TYPE I, (SPECIAL) TO BE FURNISHED BY THE CONTRACTOR AND SET BY AN ILLINOIS PROFESSIONAL LAND SURVEYOR (SEE SPECIAL DETAIL SHEET FOR ALUMINUM TABLET AND RE-BAR SPECIFICATIONS).

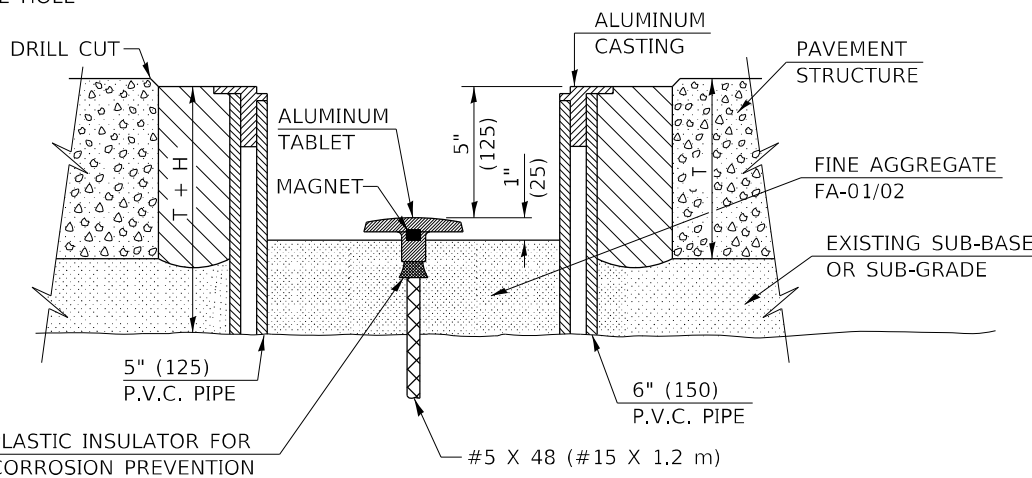


BILL OF MATERIAL

ALUMINUM CASTING OF THE DIMENSIONS AND SPECIFICATIONS SHOWN OR OTHER SUBJECT TO ENGINEER'S APPROVAL OF SHOP DRAWINGS, 5" OR 6" (125 mm OR 150 mm) DIAMETER P.V.C. PIPE, SCHEDULE 40, ALUMINUM TABLET, STAMPED IN ACCORDANCE WITH STANDARD 667101. 5/8" X 48" (#15 X 1.2 m) RE-BAR, EPOXY AND FA-01/02 AGGREGATE.

GENERAL NOTES

1. ALUMINUM CASTING SHALL BE EITHER PLACED OVER A 5" (125 mm) P.V.C. PIPE OR INSIDE OF A 6" (150 mm) P.V.C. PIPE.
2. BACKFILL WITH FINE AGGREGATE - FA-01/02.
3. WORK SHALL NOT START ON THIS ITEM UNTIL THE FINAL LIFT OF SURFACE HAS BEEN COMPLETED.
4. THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR SURVEY MARKER VAULT WHICH PRICE SHALL INCLUDE ALL LABOR AND MATERIAL AS SPECIFIED INCLUDING CORING, EPOXY AND FA-01/02 AGGREGATE AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
5. THE CASTING SHALL BE ANCHORED IN THE 8" (200 mm) DIAMETER CORE HOLE WITH TWO-COMPONENT EPOXY CONFORMING TO APPLICABLE PORTIONS OF ARTICLE 1025.01 OF THE STANDARD SPECIFICATIONS.
6. ALL SURVEY MARKER (VAULTS) SHALL BE PLACED 1/4" (6 mm) | BELOW THE FINAL SURFACE.
7. THE 8" (200 mm) DIAMETER CORE HOLE SHALL BE SUBJECT TO THE APPROVAL OF THE ENGINEER.



ELEVATION

Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

DISTRICT 5 DETAIL NO. X0301232

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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

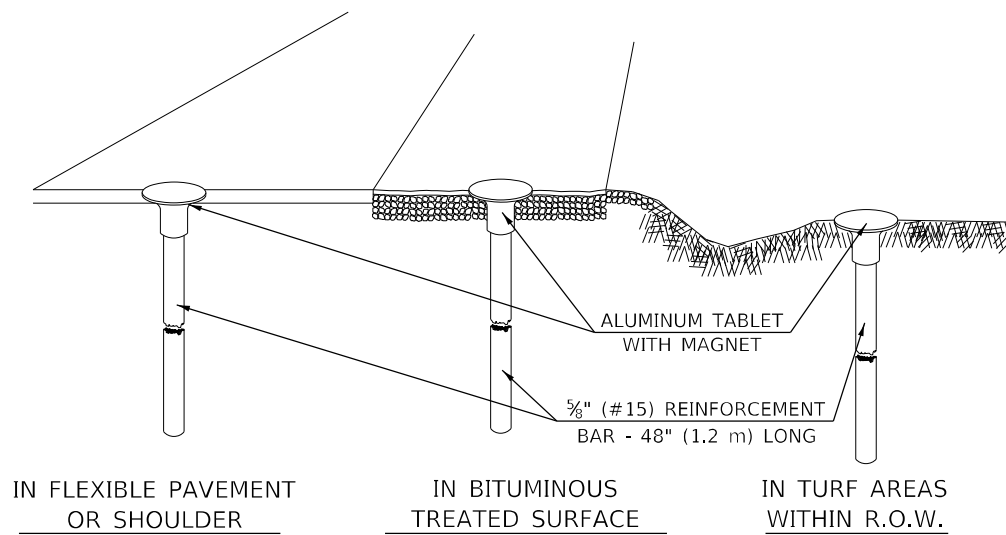
SURVEY MARKER VAULT

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	(30, 31)RS-2	MCLEAN	60	53
CONTRACT NO. 70988			ILLINOIS FED. AID PROJECT	

XZ193300 – SURVEY MARKER, TYPE 1 (SPECIAL)

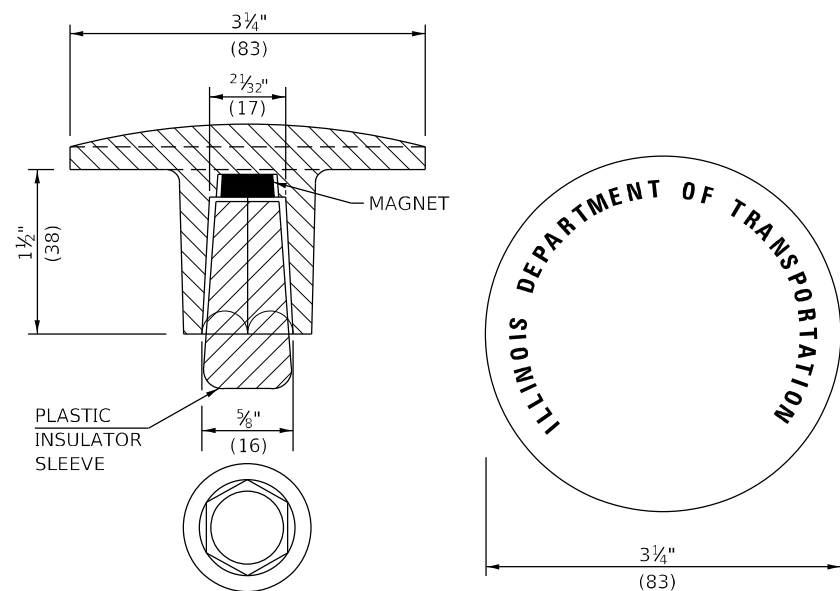
TO BE INSTALLED IN FLEXIBLE PAVEMENT OR SHOULDER, BITUMINOUS TREATED SURFACE AND TURF AREAS WITHIN THE RIGHT-OF-WAY FOR PRESERVING PERMANENT SURVEY MARKERS (PI'S, PT'S, PC'S, POC'S, & POT'S)



IN FLEXIBLE PAVEMENT OR SHOULDER

IN BITUMINOUS TREATED SURFACE

IN TURF AREAS WITHIN R.O.W.



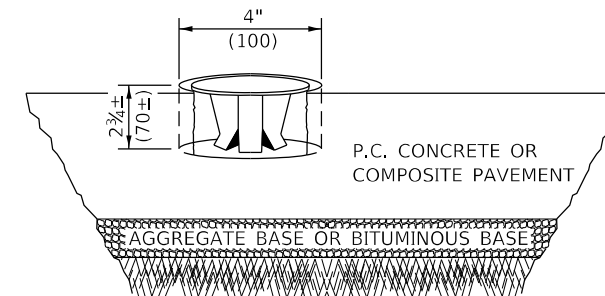
THE DIMENSIONS SHOWN SHALL BE EXACT, OTHERS MAY VARY, BUT SHALL BE SHOWN ON SHOP DRAWINGS.

GENERAL NOTES

1. THE CONTRACT UNIT PRICE, EACH, FOR SURVEY MARKER, TYPE 1 (SPECIAL) SHALL BE PAYMENT IN FULL FOR FURNISHING THE REINFORCEMENT BAR AND ALUMINUM TABLET AND FOR ALL LABOR AND MATERIAL REQUIRED TO SET THE MARKER IN PLACE.
2. ALL SURVEY MARKERS, TYPE 1 (SPECIAL) SHALL BE PLACED ±1/4" (6 mm) BELOW THE FINAL SURFACE.
3. WHEN THE TABLET AND REBAR ARE PLACED AS PART OF A SURVEY MARKER VAULT, THEY SHALL BE CONSIDERED AS INCLUDED IN THAT PAY ITEM AND THERE WILL BE NO PAYMENT FOR THE SURVEY MARKER, TYPE 1 (SPECIAL).

XZ193400 – SURVEY MARKER, TYPE 2 (SPECIAL)

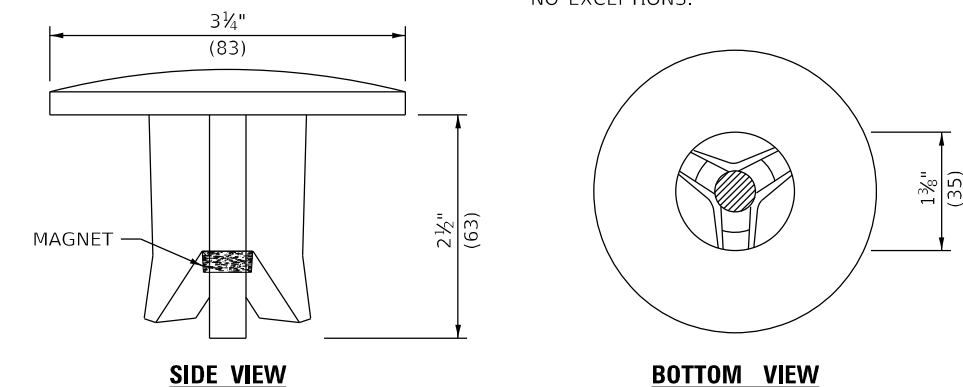
TO BE INSTALLED IN RIGID OR COMPOSITE PAVEMENT FOR PRESERVING PERMANENT SURVEY MARKERS (PI'S, PT'S, PC'S, POC'S, & POT'S)



SPECIFICATIONS FOR ALUMINUM TABLET (FORKED)

ALUMINUM TABLET (FORKED) FOR USE WITH "SURVEY MARKER, TYPE 2, (SPECIAL)" SHALL BE AS SHOWN ON THE DETAIL FOR THE 3 1/4" (83 mm) CONVEX SURVEY TABLET WITH ILLINOIS DEPARTMENT OF TRANSPORTATION LOGO. THIS LOGO SHALL PROVIDE FOR LETTERS RECESSED INTO THE SURFACE A MINIMUM OF 1/32" (0.8 mm) FOR EASY AND LONG-TERM LEGIBILITY. THE ALUMINUM TABLET SHALL BE PRODUCED BY THE PROCESS OF ORBITAL FORGING TO PRODUCE A HIGH-STRENGTH AND DURABLE MARKER CAP WHICH WILL NOT CHIP OR BREAK AND PROVIDE A SMOOTH FINISH FOR STAMPING OF DATA IN THE FIELD. THE ALUMINUM TABLET SHALL BE DESIGNED NOT TO TURN OR ROTATE. THREE PRONGS ON A 2 1/2" (63 mm) STEM SHALL BE SUCH THAT THE ALUMINUM TABLET CANNOT BE EASILY REMOVED.

COMPOSITION: ALUMINUM 92-93%; MAGNESIUM 6.5-7.5%. STRENGTH: YIELD 19,000-21,000 PSI (131-145 MPa); TENSILE 38,000-44,000 PSI (262-303 MPa); ELONGATION 10-15% [IN 2" (50 mm)]. SPECIFICATIONS: ALLOY 535.0; QQ-A-601ES. NO EXCEPTIONS.



SIDE VIEW

BOTTOM VIEW

THE DIMENSIONS SHOWN SHALL BE EXACT, OTHERS MAY VARY, BUT SHALL BE SHOWN ON SHOP DRAWINGS.

GENERAL NOTES

1. WORK ON THIS ITEM SHALL NOT START UNTIL THE FINAL SURFACE IS COMPLETED.
2. THE ALUMINUM TABLET (FORKED) SHALL REST UPON THE BOTTOM OF THE 4" (100 mm) CORE HOLE. IF THE HOLE IS TOO DEEP, EPOXY GROUT MUST BE USED TO DECREASE THE DEPTH AND ALLOWED TO HARDEN BEFORE PROCEEDING.
3. THE ALUMINUM TABLET SHALL BE ANCHORED IN THE 4" (100 mm) DIAMETER HOLE IN THE NEW PAVEMENT WITH TWO-COMPONENT EPOXY CONFORMING TO APPLICABLE PORTIONS OF ARTICLE 1025.01 OF THE STANDARD SPECIFICATIONS.
4. THE 4" (100 mm) CORE HOLE SHALL BE SUBJECT TO THE APPROVAL OF THE ENGINEER.
5. THE CONTRACT PRICE, EACH, FOR SURVEY MARKER, TYPE 2 (SPECIAL) SHALL BE PAYMENT IN FULL FOR FURNISHING THE ALUMINUM TABLET AND FOR ALL LABOR AND MATERIAL REQUIRED TO SET THE MARKER IN PLACE, AS SPECIFIED, INCLUDING CORING THE NEW PAVEMENT.
6. ALL SURVEY MARKERS, TYPE 2 (SPECIAL) SHALL BE PLACED ± 1/4" (6 mm) BELOW THE FINAL SURFACE.

Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

SPECIFICATIONS FOR ALUMINUM TABLET

SURVEY CAP FOR REBAR. 3 1/4" (83 mm) CONVEX SURVEY CAP FOR 5/8" (15 mm) REBAR WITH ILLINOIS DEPARTMENT OF TRANSPORTATION LOGO. THIS LOGO SHALL PROVIDE LETTERS RECESSED INTO THE SURFACE A MINIMUM OF 1/32" (0.8 mm) FOR EASY AND LONG-TERM LEGIBILITY. THE ALUMINUM CAP FOR REBAR SHALL BE PRODUCED BY THE PROCESS OF ORBITAL FORGING TO PRODUCE A HIGH-STRENGTH AND DURABLE MARKER CAP WHICH WILL NOT CHIP OR BREAK AND PROVIDE A SMOOTH FINISH FOR STAMPING OF DATA IN THE FIELD. THE ALUMINUM CAP FOR REBAR SHALL BE TAPERED FOR A PERFECT COMPRESSION FIT. A SPECIAL PLASTIC INSULATOR SHALL BE INSTALLED TO PREVENT DISSIMILAR METAL CONTACT AND CORROSION. THE PLASTIC INSULATOR SHALL FORM READILY TO THE OUTER SHAPE OF THE REBAR AND TO THE INNER SHAPE OF THE ALUMINUM CAP SOCKET. THE PLASTIC INSULATOR SHALL BE LOW DENSITY POLYETHYLENE, A MINIMUM 1 1/2" (38 mm) LONG AND CONFORM TO FEDERAL SPECIFICATION L-P 390.

COMPOSITION: ALUMINUM 98.3-98.7%; OTHER 1.3-1.7%; STRENGTH: YIELD 28 KSI (193 MPa), ULTIMATE 32 KSI (221 MPa). ELONGATION 15% [IN 2" (50 mm)]. SPECIFICATIONS: ALUMINUM ALLOY 6101-0; ASTM B317-83 (EXCEPT TEMPER) AS FORGED. NO EXCEPTIONS.

SPECIFICATIONS FOR REBAR

REBAR FOR ALUMINUM TABLET. REINFORCEMENT BAR SHALL BE 5/8" (#15) X 48" (1.2 m) (DEFORMED).

INSPECTION OF REINFORCEMENT BAR 5/8" (#15) SHALL BE DONE BY DISTRICT PERSONNEL OF THE ILLINOIS DEPARTMENT OF TRANSPORTATION, DIVISION OF HIGHWAYS.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SURVEY MARKERS TYPE 1 & 2 (SPECIAL)

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

DISTRICT 5 DETAIL NO. XZ193AAA

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	(30, 31)RS-2	MCLEAN	60	54
CONTRACT NO. 70988				
ILLINOIS FED. AID PROJECT				

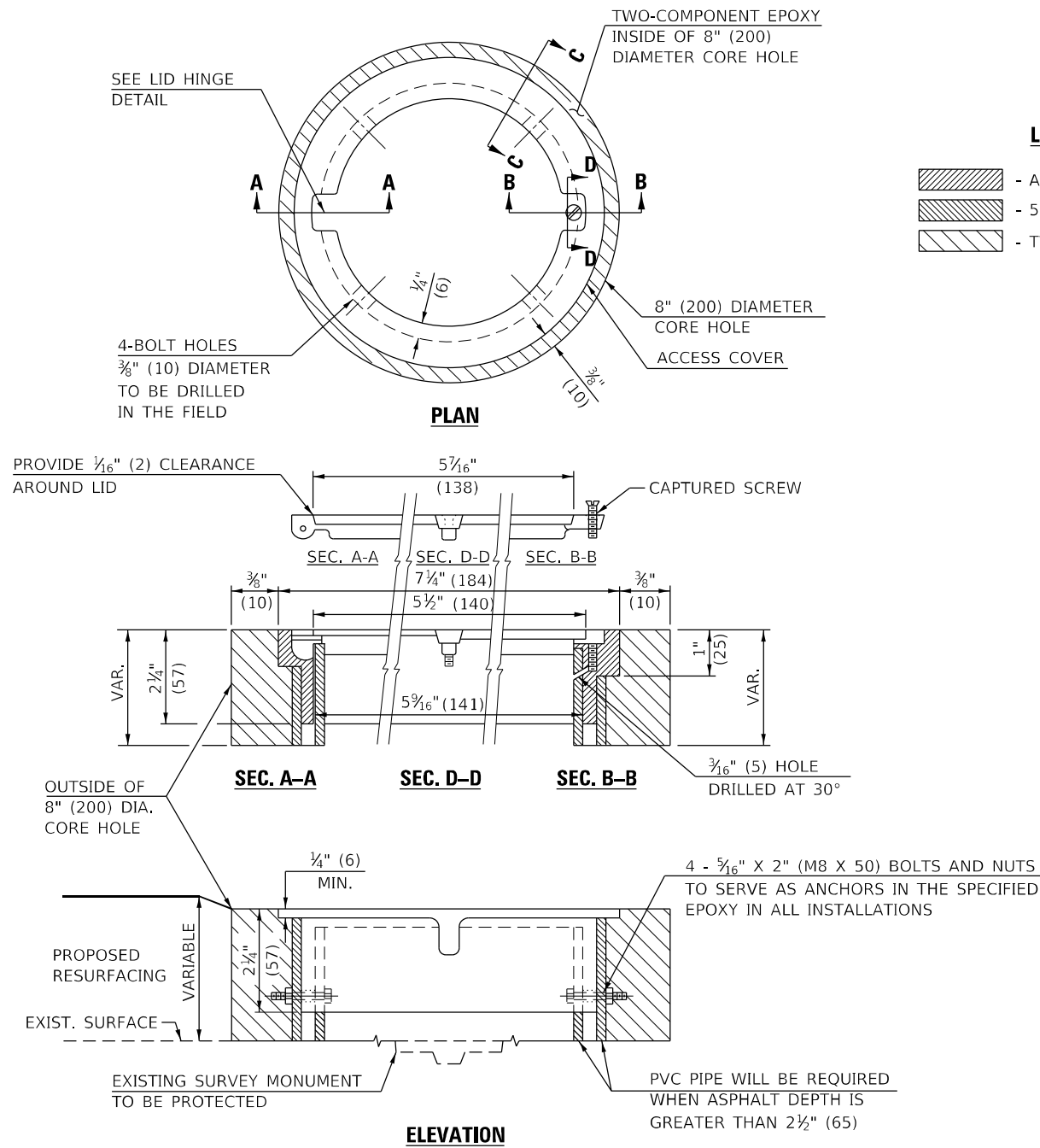
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PLOT DATE = 12/14/2021	CHECKED -	REVISED -
	DATE -	REVISED -

TO BE INSTALLED IN ALL PAVEMENT TYPES FOR PRESERVING PERMANENT SURVEY MARKERS (PI'S, PT'S, PC'S, POC'S, & POT'S) AND LAND SURVEY MONUMENTS (SECTION OR SUBSECTION CORNERS)



LEGEND

- ALUMINUM CASTING
- 5" (125) OR 6" (150) P.V.C. PIPE
- TWO-COMPONENT EPOXY

SPECIFICATIONS FOR ACCESS COVER FOR USE WITH SURVEY MARKER VAULT(S) AND SURVEY MARKER COVER ASSEMBLY(S): THE ACCESS COVER WILL BE CAST FROM A SPECIAL ALUMINUM ALLOY THAT IS COMPARABLE TO BRONZE IN HARDNESS. THE ACCESS COVER SHALL BE SPECIALLY ENGINEERED AND DESIGNED TO PROVIDE A SNUG FIT, INCORPORATING EQUIDISTANT LOCKING RIDGES, INSIDE A STANDARD 6" (150 mm) DIAMETER, OR OUTSIDE A STANDARD 5" (125 mm) DIAMETER, SCHEDULE 40 PVC PIPE. THE ACCESS COVER SHALL HAVE SPECIAL UNIFORM 1" (25 mm) THICK TOP SURFACE TO PERMIT INFORMATION TO BE EASILY MACHINE-STAMPED INTO IT. THE ACCESS COVER SHALL INCLUDE A STAINLESS CAPTURED SCREW AND AN OPPOSING RECESSED HINGE ASSEMBLY AS ITS LOCKING MECHANISM. THE ACCESS COVER SHALL INCORPORATE A SPECIAL ACCESS HOLE FOR CLEANING AND DRAINAGE, DRILLED AT 30° INSIDE THE RING OF THE ACCESS COVER, TO THE DRILLED AND TAPPED HOLE PROVIDED FOR THE STAINLESS CAPTURED SCREW. COMPOSITION: ALUMINUM 92-93%; MAGNESIUM 6.5-7.5%. STRENGTH: YIELD - 19,000-21,000 PSI (131-145 MPa); TENSILE - 38,000-44,000 PSI (262-303 MPa); ELONGATION - 10-15% IN 2" (50 mm). SPECIFICATIONS: ALLOY 535.0; QQ-A-601Es. NO EXCEPTIONS.

BILL OF MATERIAL	
ALUMINUM CASTING OF THE DIMENSIONS AND SPECIFICATIONS SHOWN OR OTHER SUBJECT TO ENGINEER'S APPROVAL OF SHOP DRAWINGS,	
4 EACH - 5/16" X 2" (M8 X 50) BOLTS WITH NUTS, EPOXY,	
5" OR 6" (125 mm OR 150 mm) DIAMETER P.V.C. PIPE, SCHEDULE 40 (WHEN REQUIRED).	

GENERAL NOTES

1. WORK SHALL NOT START ON THIS ITEM UNTIL THE FINAL LIFT OF SURFACE HAS BEEN COMPLETED.
2. THE SURVEY MONUMENT COVER ASSEMBLY SHALL BE CENTERED ABOVE THE SURVEY MONUMENT TO BE PROTECTED.
3. MODIFICATION OF THE ALUMINUM CASTING SHALL BE DONE BY GRINDING OR SAWING WHEN HEIGHT REDUCTION IS REQUIRED.
4. ALL SURVEY MONUMENT COVER ASSEMBLIES SHALL BE PLACED 1/4" (6 mm) ± BELOW THE FINAL SURFACE.
5. ALUMINUM CASTING SHALL BE PLACED OVER A 5" (125 mm) P.V.C. PIPE OR INSIDE OF A 6" (150 mm) P.V.C. PIPE WHEN AN INCREASE IN HEIGHT IS REQUIRED.
6. THE CASTING SHALL BE ANCHORED IN THE 8" (200 mm) DIAMETER CORE HOLE WITH TWO-COMPONENT EPOXY CONFORMING TO APPLICABLE PORTIONS OF ARTICLE 1025.01 OF THE STANDARD SPECIFICATIONS.
7. THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR SURVEY MONUMENT COVER ASSEMBLY WHICH PRICE SHALL INCLUDE ALL LABOR AND MATERIAL AS SPECIFIED INCLUDING CORING THE NEW PAVEMENT SURFACE AND EPOXY. NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
8. THE 8" (200 mm) DIAMETER CORE HOLE SHALL BE SUBJECT TO THE APPROVAL OF THE ENGINEER.

Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

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PLOT DATE = 12/14/2021	CHECKED -	REVISED -
	DATE -	REVISED -

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DEPARTMENT OF TRANSPORTATION**

SURVEY MONUMENT COVER ASSEMBLY

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

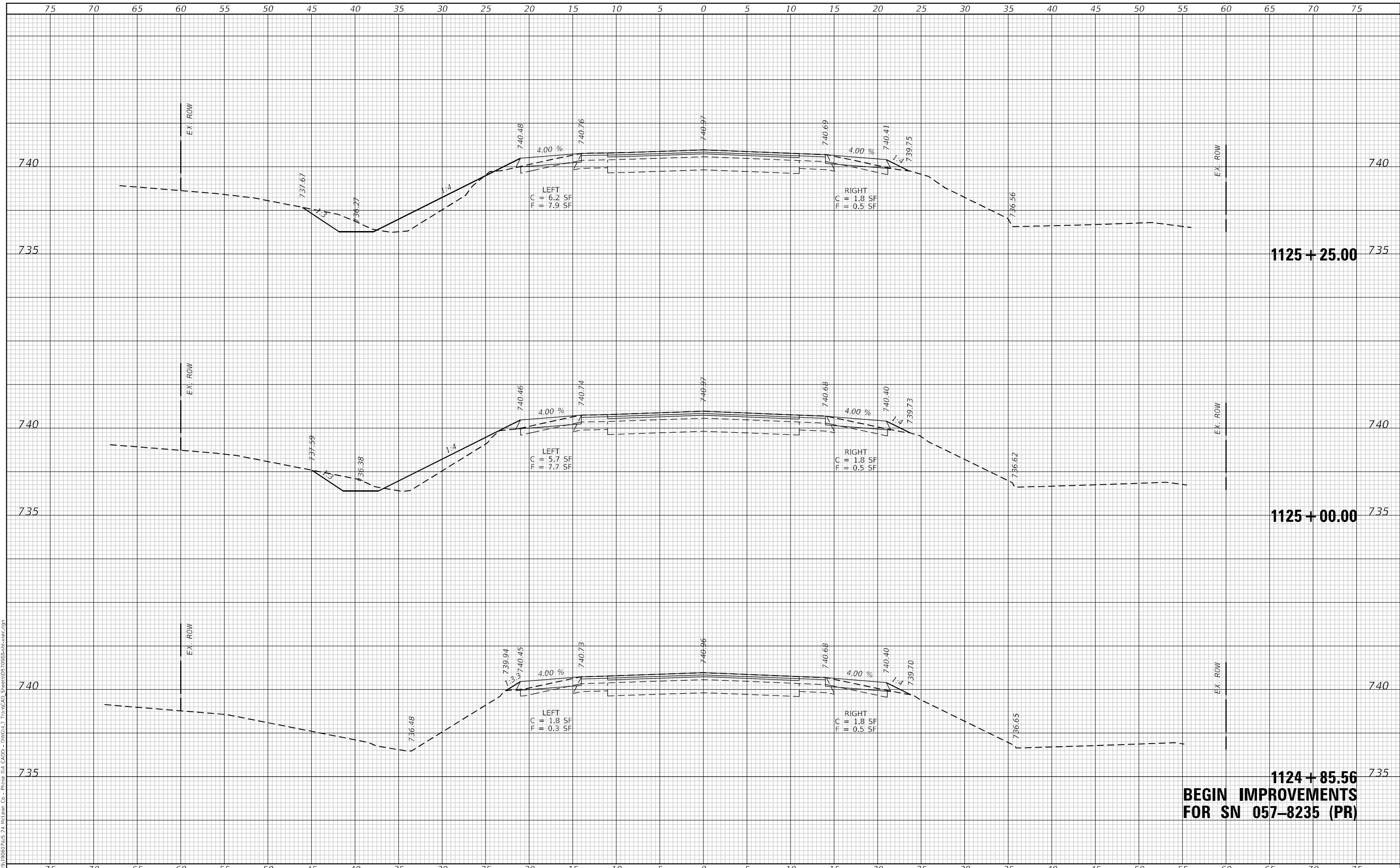
DISTRICT 5 DETAIL NO. Z0070100

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	(30, 31)RS-2	MCLEAN	60	55
CONTRACT NO. 70988				
ILLINOIS FED. AID PROJECT				

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

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

MODEL: Definit
 FILE NAME: P:\2021\1124+85.56\1124+85.56\1124+85.56.dwg
 USER: bblilhartz
 DATE: 12/14/2021



TWM
 ENGINEERING
 GEOSPATIAL SERVICES

TWM, INC.
 www.twm-inc.com
 IL DESIGN FIRM
 LICENSE NO: 184-001220

USER NAME = bblilhartz	DESIGNED -	REVISED -
PLOT SCALE = 10,0000' / in.	DRAWN -	REVISED -
PLOT DATE = 12/14/2021	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

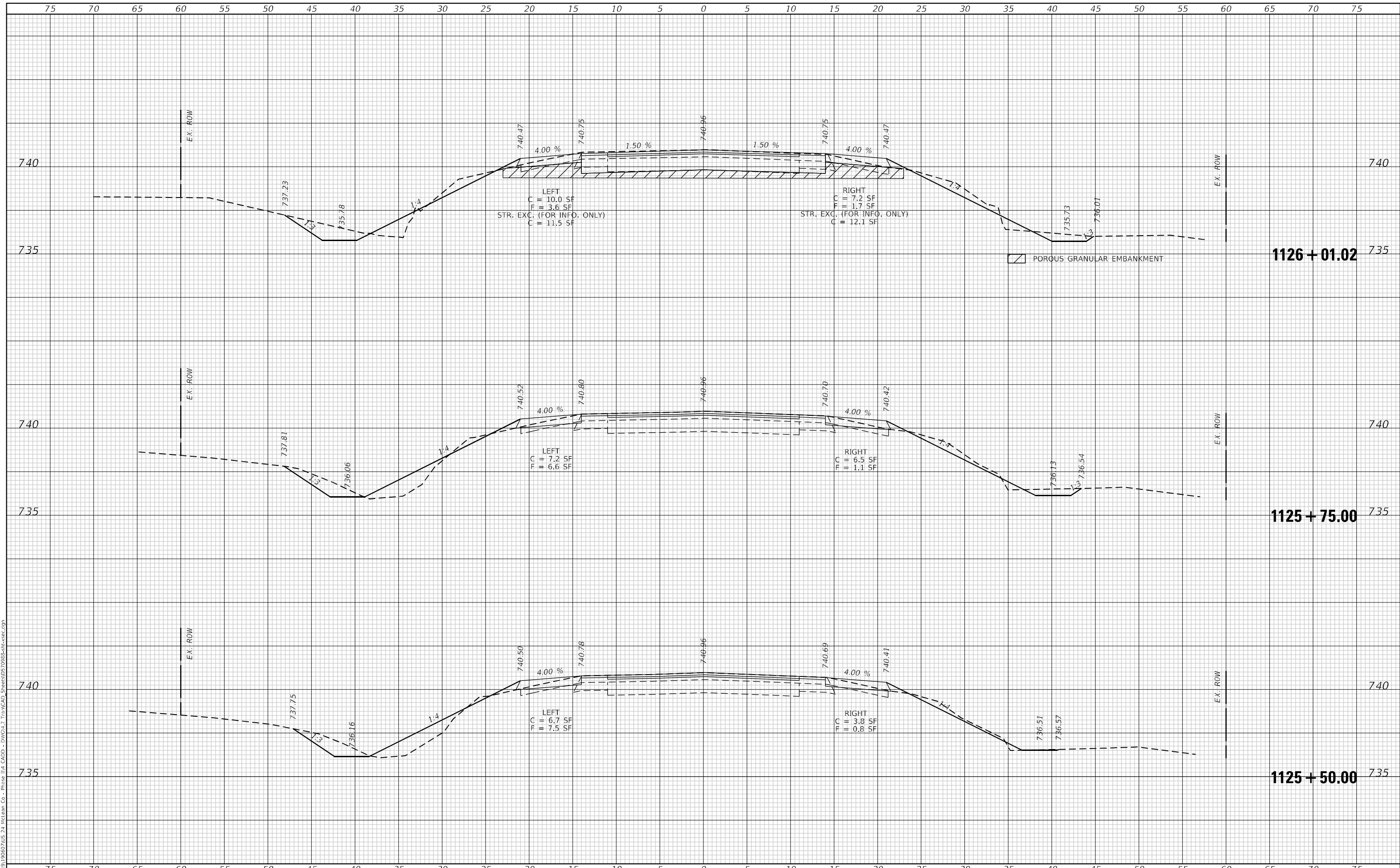
CROSS SECTIONS S.N. 057-8235			
SCALE: 1"=5'	SHEET 1	OF 5 SHEETS	STA. 1124+85.56 TO STA. 1125+25.00

F.A.P. RTE. 317	SECTION (30, 31)RS-2	COUNTY MCLEAN	TOTAL SHEETS 60	SHEET NO. 56
			CONTRACT NO. 70988	
ILLINOIS FED. AID PROJECT				

DATE	
BY	
FINAL SURVEY NO.	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	

DATE	
BY	
ORIGINAL SURVEY NO.	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	

MODEL: Definit
 FILE NAME: P:\2021\1125\1125057\1125057\1125057.dwg
 USER: bblhartz
 DATE: 12/14/2021



TWM
 ENGINEERING
 GEOSPATIAL SERVICES

TWM, INC.
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 IL DESIGN FIRM
 LICENSE NO: 184-001220

USER NAME = bblhartz	DESIGNED -	REVISED -
PLOT SCALE = 10,0000' / in.	DRAWN -	REVISED -
PLOT DATE = 12/14/2021	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

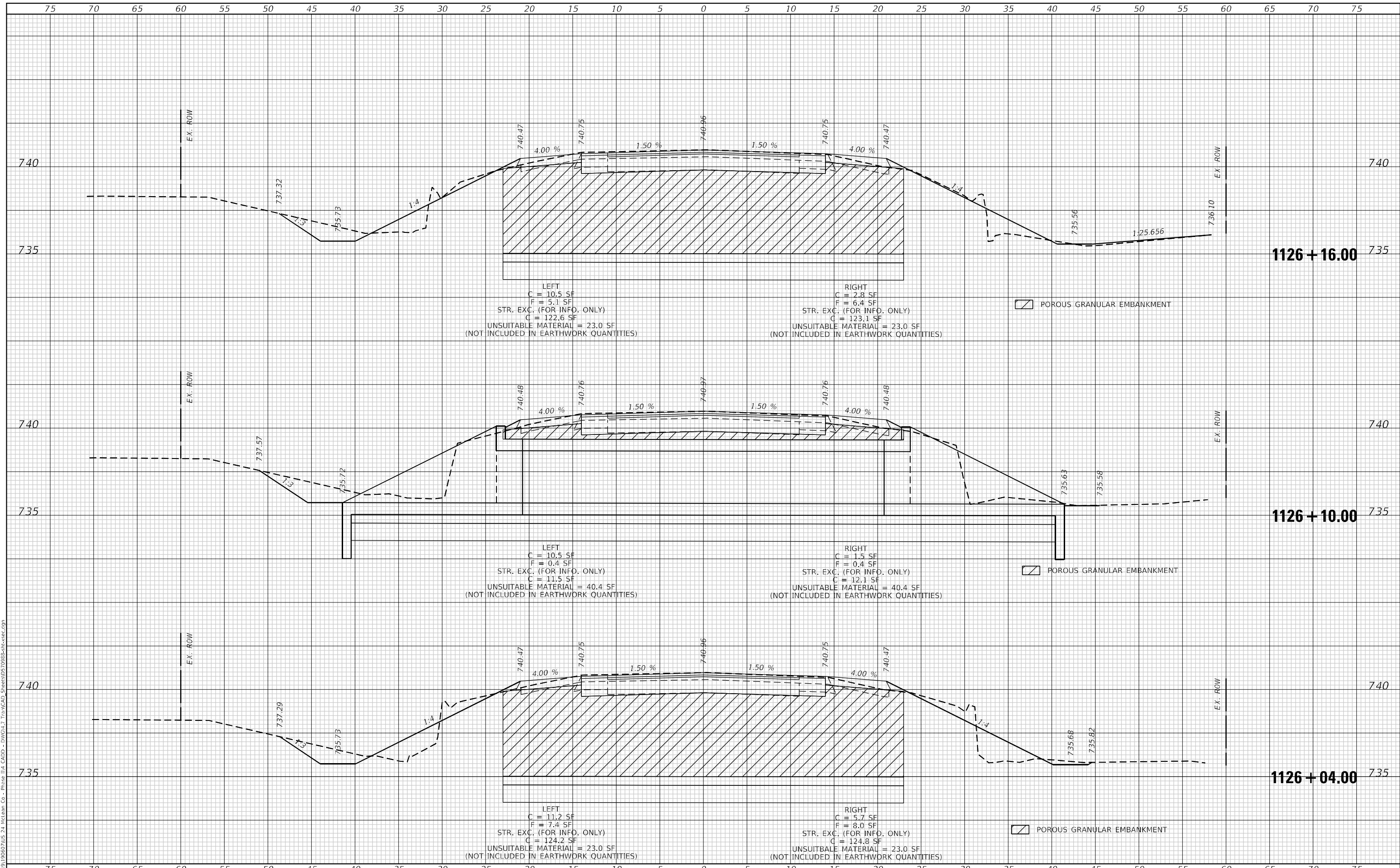
CROSS SECTIONS	
S.N. 057-8235	
SCALE: 1"=5'	SHEET 2 OF 5 SHEETS
STA. 1125+50.00 TO STA. 1126+01.02	

F.A.P. RTE. 317	SECTION (30, 31)RS-2	COUNTY MCLEAN	TOTAL SHEETS 60	SHEET NO. 57
CONTRACT NO. 70988			ILLINOIS FED. AID PROJECT	

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

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

MODEL: Definit
 FILE NAME: P:\2021\1126\1126+04\1126+04.dwg
 USER: bblilhartz
 DATE: 12/14/2021



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 IL DESIGN FIRM
 LICENSE NO: 184-001220

USER NAME = bblilhartz	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 10,0000' / in.	CHECKED -	REVISED -
PLOT DATE = 12/14/2021	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

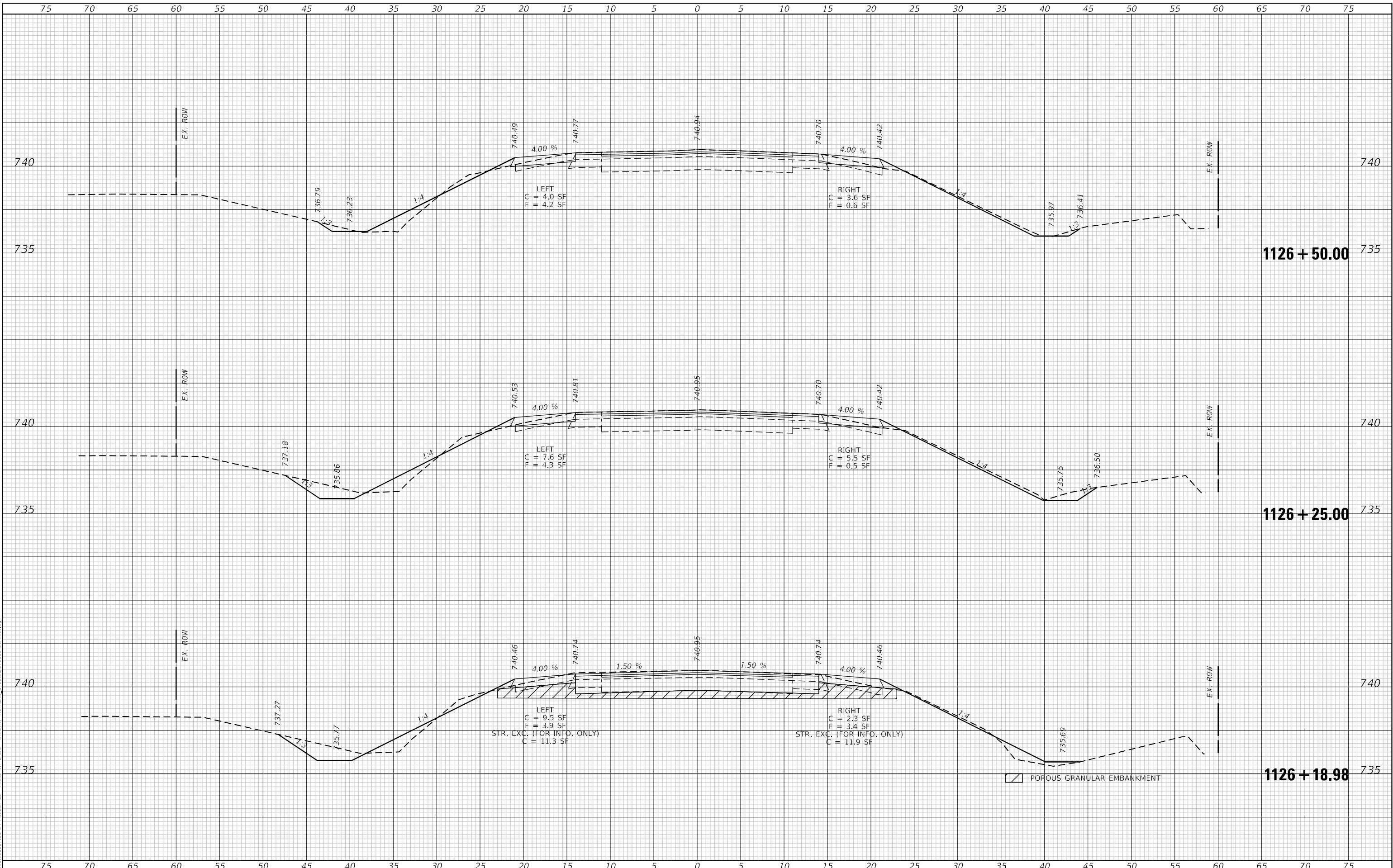
CROSS SECTIONS	
S.N. 057-8235	
SCALE: 1"=5'	SHEET 3 OF 5 SHEETS
STA. 1126+04.00	TO STA. 1126+16.00

F.A.P. RTE. 317	SECTION (30, 31)RS-2	COUNTY MCLEAN	TOTAL SHEETS 60	SHEET NO. 58
CONTRACT NO. 70988			ILLINOIS FED. AID PROJECT	

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

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

MODEL: D:\p1\1126+18.98\DWG\1126+18.98\1126+18.98.dwg
 FILE NAME: P:\2021\1126+18.98\1126+18.98.dwg
 PROJECT: 1126+18.98
 TITLE: CROSS SECTIONS
 AUTHOR: TWM
 DATE PLOTTED: 12/14/2021
 PLOT SCALE: 1"=5'
 PLOT DATE: 12/14/2021



TWM, INC.
 www.twm-inc.com
 IL DESIGN FIRM LICENSE NO: 184-001220

USER NAME = bbillhartz	DESIGNED -	REVISED -
PLOT SCALE = 10,0000 * / in.	DRAWN -	REVISED -
PLOT DATE = 12/14/2021	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
 S.N. 057-8235

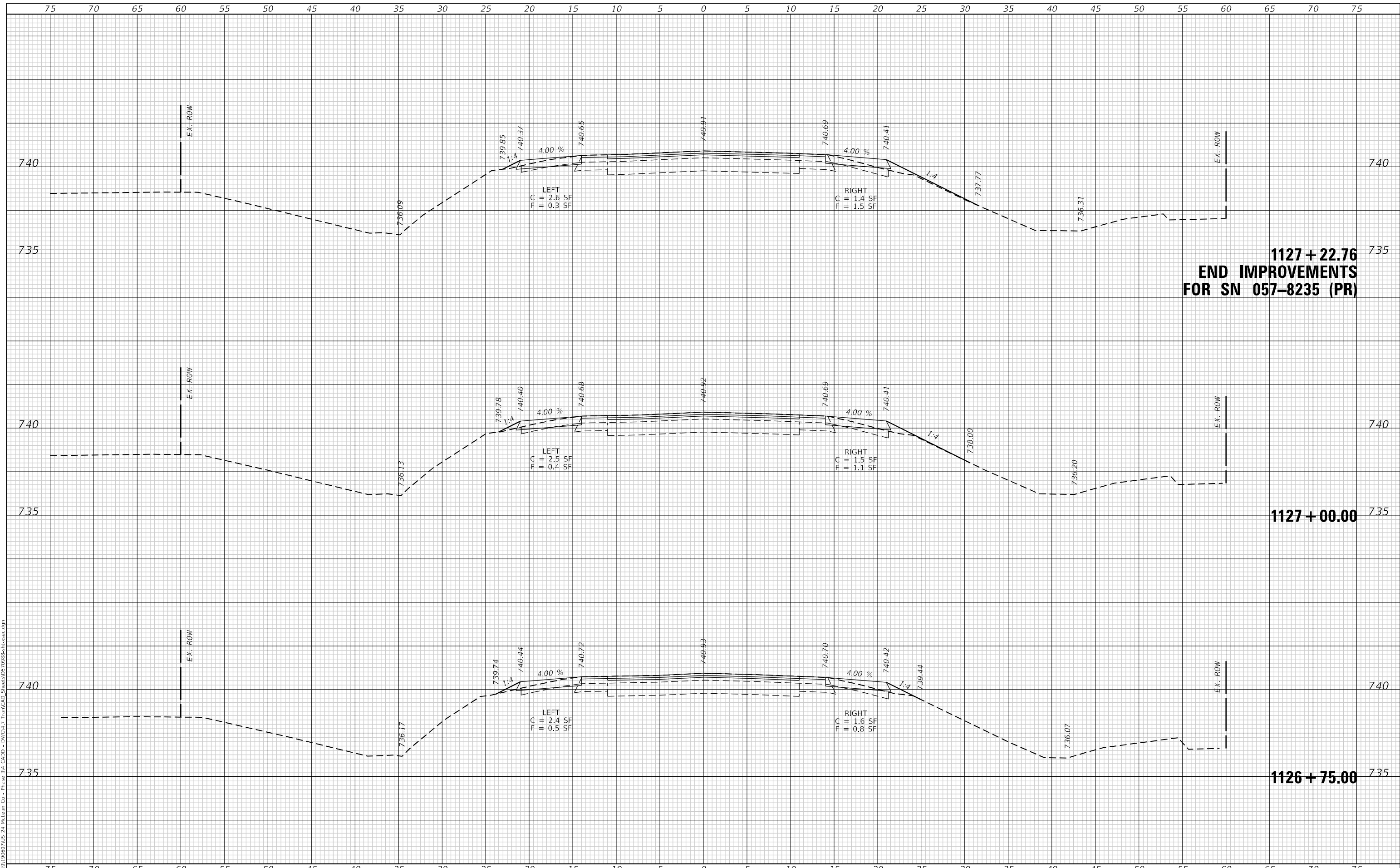
SCALE: 1"=5' SHEET 4 OF 5 SHEETS STA. 1126+18.98 TO STA. 1126+50.00

F.A.P. RTE. 317	SECTION (30, 31)RS-2	COUNTY MCLEAN	TOTAL SHEETS 60	SHEET NO. 59
			CONTRACT NO. 70988	
ILLINOIS FED. AID PROJECT				

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

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

MODEL: Defnair
 FILE NAME: P:\2021\1126+75.00\1126+75.00.dwg
 USER: bblilhartz
 PROJECT: 1126+75.00
 SHEET: 5 OF 5
 DATE: 12/14/2021



**1127+22.76
 END IMPROVEMENTS
 FOR SN 057-8235 (PR)**

1127+00.00

1126+75.00



USER NAME = bblilhartz	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 10,0000 */ in.	CHECKED -	REVISED -
PLOT DATE = 12/14/2021	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
 S.N. 057-8235**

SCALE: 1"=5' SHEET 5 OF 5 SHEETS STA. 1126+75.00 TO STA. 1127+22.76

F.A.P. RTE. 317	SECTION (30, 31)RS-2	COUNTY MCLEAN	TOTAL SHEETS 60	SHEET NO. 60
CONTRACT NO. 70988			ILLINOIS FED. AID PROJECT	