

STATE OF ILLINOIS

PLANS FOR PROPOSED 1200th RD (HIGH SCHOOL RD) and US ROUTE 150 / IL ROUTE 1 INTERSECTION

1200th RD (HIGH SCHOOL RD) and
US ROUTE 150 / IL ROUTE 1 INTERSECTION
CITY OF PARIS - ILLINOIS - EDGAR COUNTY
PROJECT NUMBER: M-5054 (010)
JOB NUMBER: C-95-324-15
SECTION NUMBER: 14-00070-00-SP
CONTRACT NUMBER: 91534
SHEET 1 OF 20

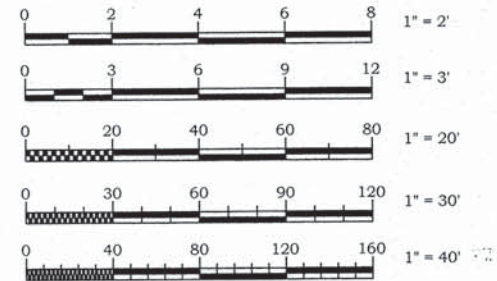
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16-20 DISTRICT STANDARDS

PROJECT NUMBER: M-5054 (010)
JOB NUMBER: C-95-324-15
SECTION NUMBER: 14-00070-00-SP
STU / MFT FUNDS

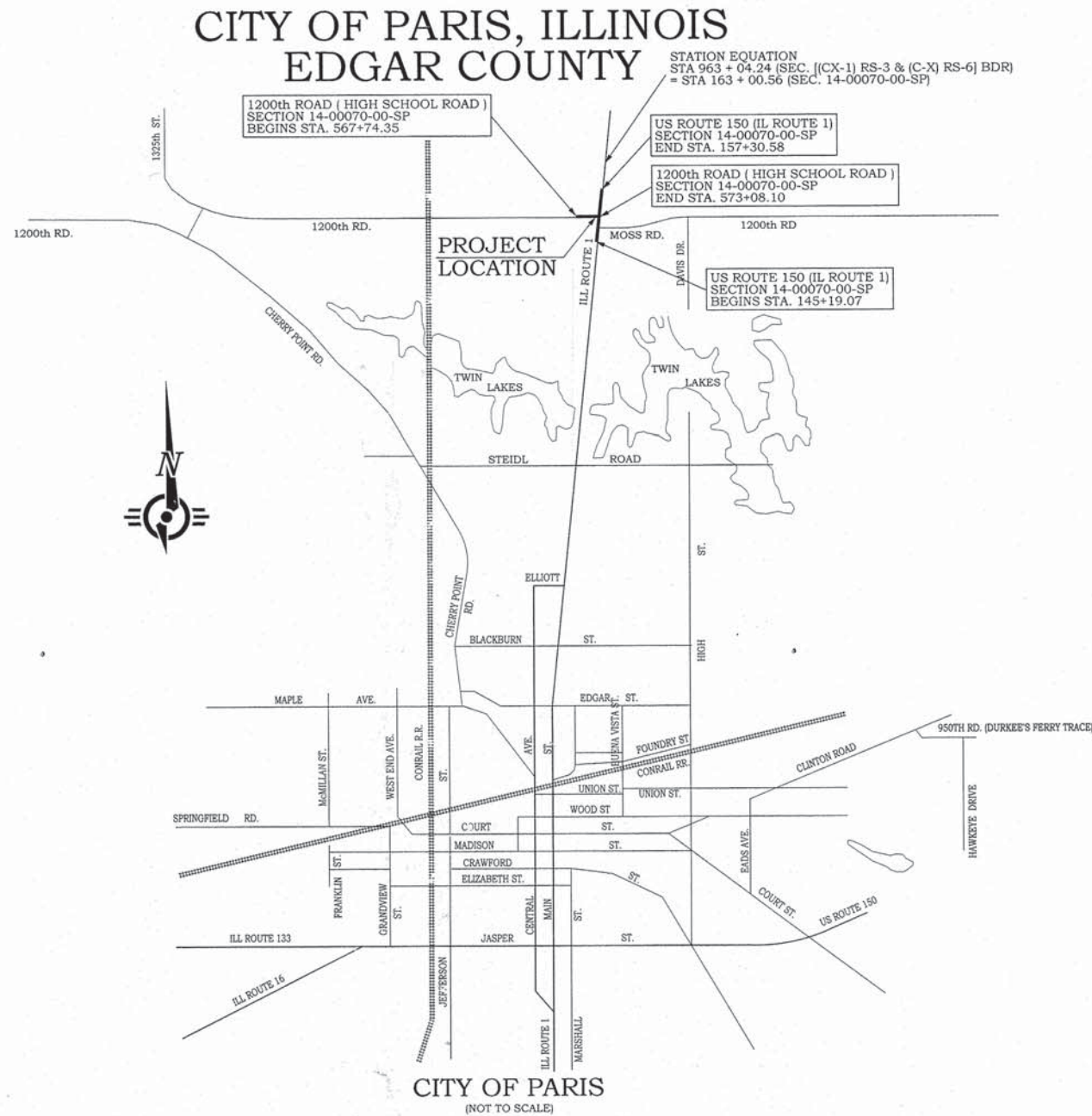


SECTION 24 SE 1/4, T. 14 N., R. 12 W., 2ND P.M.
SECTION 25 NE 1/4, T. 14 N., R. 12 W., 2ND P.M.
CITY OF PARIS, EDGAR COUNTY, ILLINOIS



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

ILLINOIS HIGHWAY STANDARDS	
000001-06	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001006	DECIMAL OF AN INCH AND OF A FOOT
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
420001-08	PAVEMENT JOINTS
542301-03	PRECAST REINFORCED CONCRETE FLARED END SECTION
602301-04	INLET - TYPE A
602401-03	MANHOLE TYPE A
602601-04	PRECAST REINFORCED CONCRETE FLAT SLAB TOP
602701-02	MANHOLE STEPS
604001-04	FRAME AND LIDS TYPE 1
604006-05	FRAME AND GRATE TYPE 3
606001-06	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
606301-04	PC CONCRETE ISLANDS AND MEDIANS
642006	SHOULDER RUMBLE STRIPS, 8 in.
666001-01	RIGHT OF WAY MARKERS
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701306-03	LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY, FOR SPEEDS > 45 MPH
701326-04	LANE CLOSURE, 2L, 2W, PAVEMENT WIDENING, FOR SPEEDS > 45 MPH
701901-05	TRAFFIC CONTROL DEVICES
720001-01	SIGN PANEL MOUNTING DETAILS
720006-04	SIGN PANEL ERECTION DETAILS
728001-01	TELESCOPING STEEL SIGN SUPPORT
729001-01	APPLICATIONS OF TYPES A & B METAL POSTS (FOR SIGNS & MARKERS)
780001-05	TYPICAL PAVEMENT MARKINGS
781001-04	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS
B.L.R. 22-7	TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES FOR CONSTRUCTION ON RURAL LOCAL HIGHWAYS (TWO-LANE TWO WAY RURAL TRAFFIC) (ROAD CLOSED TO THRU TRAFFIC)
D-5 40800050A	FIELD ENTRANCES (NONCOMMERCIAL RURAL)
D-5 40800050C	PRIVATE AND COMMERCIAL ENTRANCES (NONCOMMERCIAL AND COMMERCIAL RURAL)
D-5 60600095A	INLET - COMBINATION CONCRETE CURB & GUTTER (BARRIER CURB)

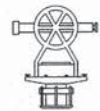


CITY OF PARIS
(NOT TO SCALE)
LOCATION MAP

TOTAL LENGTH
1200th ROAD = 533.74 LIN. FT. = 0.101 MILES
US ROUTE 150 = 1,211.51 LIN. FT. = 0.229 MILES
NET LENGTH OF PROJECT
1200th ROAD = 533.74 LIN. FT. = 0.101 MILES
US ROUTE 150 = 1,211.51 LIN. FT. = 0.229 MILES

1200th RD (HIGH SCHOOL ROAD) FUNCTIONAL CLASSIFICATION - TRAFFIC COUNT	MINOR COLLECTOR EX. 1,100 ADT (2015) PROP. 1,250 ADT (2035)
US ROUTE 150 / ROUTE 1 FUNCTIONAL CLASSIFICATION - TRAFFIC COUNT	PRINCIPAL ARTERIAL EX. 4,200 ADT (2015) PROP. 4,600 ADT (2035)

PREPARED BY,
FRANCIS ASSOCIATES
CONSULTING ENGINEERS
LAND SURVEYORS
330 NORTH CENTRAL AVENUE
PARIS, ILLINOIS 61944
217-465-5306
PROFESSIONAL DESIGN FIRM #184-001406



Louis R. Curl 1/25/16
LOUIS R. CURL DATE
ILLINOIS PROFESSIONAL ENGINEER NO. 38867
EXP. 11/30/17



APPROVED: *[Signature]* 2/9 20 16
MAYOR

PASSED: *[Signature]* 20 16
DISTRICT FIVE ENGINEER OF LOCAL ROADS AND STREETS

Releasing For Bid Based on Limited Review *[Signature]* 20 16
DEPUTY DIRECTOR OF HIGHWAYS, REGION THREE ENGINEER

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT DESIGN DATA

1200th ROAD (HIGH SCHOOL ROAD)

STRUCTURAL DESIGN TRAFFIC (2026)	1183
PV	1041
SU	83
MU	59
CLASS OF STREET	III
DESIGN SPEED	40 MPH
MINIMUM SOIL SUPPORT IBR (ASSUMED)	3
TRAFFIC FACTOR	0.44

U.S. ROUTE 150 (IL ROUTE 1)

STRUCTURAL DESIGN TRAFFIC (2026)	4420
PV	3421
SU	250
MU	750
CLASS OF STREET	II
DESIGN SPEED	55 MPH
MINIMUM SOIL SUPPORT IBR (ASSUMED)	3
TRAFFIC FACTOR	3.17

PROPOSED STRUCTURAL MATERIALS:
P.C.C. PAVEMENT 8"
JOINT INTERVAL SPACE = 15' 0"

PROPOSED STRUCTURAL MATERIALS:
FULL DEPTH HMA (WIDENING) 11 INCHES
HMA SHOULDERS, 8"

GN 406H Mixture Requirements Contract: 1400070-00-SP				
Location	IL 1 / US 150	IL 1 / US 150	IL 1 / US 150	IL 1 / US 150
Mixture Use	Binder (bottom lifts widening)	Poly Fine Graded Level Binder (if PCC widening is used)	Poly Surface	Incidental
AC/PG	PG 64-22	SBS PG 70-22	SBS PG 70-22	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 19.0	IL 9.5 FG	IL 9.5	IL 9.5
Friction Aggregate	N.A.	Mix C	Mix D	Mix C
Mixture Weight	112	112	112	112
Quality Management Program	QC/QA	QC/QA	QC/QA	QC/QA
Sublot Size	N.A.	N.A.	N.A.	N.A.

GENERAL NOTES

- THIS SECTION SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE "STANDARD SPECIFICATIONS FOR ROAD & BRIDGE CONSTRUCTION" ADOPTED APRIL 1, 2016.
- ANY REFERENCE TO STANDARDS THROUGHOUT THE PLANS SHALL BE INTERPRETED TO BE THE LATEST STANDARDS OF DEPARTMENT.
- PLAN ELEVATIONS ARE BASED ON U.S.G.S. ELEVATIONS.
- WHERE SECTION OR SUB-SECTION MARKERS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED OR COVERED UP. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL MONUMENTS UNTIL AN AUTHORIZED SURVEYOR OR AGENT HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATIONS.
- THE WORK INCLUDED CONSISTS OF THE CONSTRUCTION OF WIDENING AND RESURFACING US 150 (IL-1) TO PROVIDE A NORTHBOUND LEFT TURN LANE, AND RECONSTRUCTION OF 1200TH ROAD WITH P.C.C. PAVING AT THE INTERSECTION WITH US 150 (IL-1) AND OTHER ITEMS NECESSARY TO COMPLETE THE PROJECT.
- PORTIONS OF THE 1200TH ROAD WILL BE CLOSED TO THRU TRAFFIC DURING CONSTRUCTION. SEE SPECIAL PROVISIONS FOR DETAILS.
- BEFORE WORKING WITH OR AROUND UTILITIES, THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING THE ILLINOIS ONE-CALL SYSTEM JULIE AT 1-800-892-0123, 48 HOURS (EXCLUDING WEEKENDS AND/OR HOLIDAYS) PRIOR TO DIGGING. JULIE WILL NOTIFY THE OWNERS/OPERATORS OF UNDERGROUND FACILITIES WHO ARE JULIE MEMBERS OF THE PLANNED DIGGING ACTIVITY. THE FOLLOWING IS A LIST OF UTILITIES:
 - A) ELECTRIC AND GAS - AMEREN
1 (800) 755-5000
 - B) TELEPHONE - FRONTIER COMMUNICATIONS
1 (800) 921-8101
 - C) WATER AND SEWER - CITY OF PARIS
WATER & SEWER MAINTENANCE DEPT.
1 (217) 463-9130
PARIS, IL 61944
 - D) CABLE TELEVISION - NEWWAVE COMMUNICATIONS
1 (888) 863-9928
PARIS, IL 61944
- THE EXISTING TRAFFIC CONTROL SIGNS WHICH INTERFERE WITH THE CONSTRUCTION OPERATIONS SHALL BE REMOVED AND RESET AS DIRECTED BY THE ENGINEER. THE COST FOR DOING THIS WORK WILL BE CONSIDERED INCLUDED IN THE CONTRACT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

STORM SEWER STRUCTURES

PT.	LT. / RT.	STATION	STRUCTURE TYPE	*TOP OF STRUCTURE OR FLAT SLAB ELEV.	*TOP OF CASTING OR GRATE FL. ELEV.	INV. ELEV.	INV. ELEV.	INV. ELEV.
1	LT. 36.0'	STA. 148+61.92	PRECAST REINFORCED CONCRETE FLARED END SECTION 15"			673.01		
						15' (N)		
2	LT. 36.0'	STA. 149+06.08	PRECAST REINFORCED CONCRETE FLARED END SECTION 15"			673.16		
						15' (S)		
3	LT. 36.37'	STA. 152+37.00	PRECAST REINFORCED CONCRETE FLARED END SECTION 15"			671.72		
						15' (N)		
4	LT. 39.09'	STA. 153+96.96	MANHOLE, TYPE A, 4' DIA., TYPE 1 FRAME, CLOSED LID	673.25	674.00	670.04	670.14	670.04
						15' (N)	15' (S)	12" (W.)
5	LT. 39.09'	STA. 154+12.94	PRECAST REINFORCED CONCRETE FLARED END SECTION 15"			670.00		
						15' (S)		
6	LT. 45.55'	STA. 572+10.00	MANHOLE, TYPE A, 4' DIA., TYPE 1 FRAME, CLOSED LID	673.25	674.00	670.25	670.25	670.37
						12" (NE)	12" (S)	12" (W)
7	LT. 35.73'	STA. 572+10.00	INLET, TYPE A, TYPE 3 FRAME & GRATE	671.94	672.63	670.28	670.28	
						12" (N)	12" (S)	
8	RT. 14.58'	STA. 572+10.00	INLET, TYPE A, TYPE 3 FRAME & GRATE	672.26	672.95	670.44	670.44	
						12" (N)		
9	LT. 36.50'	STA. 571+62.86	PRECAST REINFORCED CONCRETE FLARED END SECTION 12"			670.92		
						12" (E)		

**=> ALL TOP OF FLAT SLAB OR CONE ELEVATIONS AND LID/FLOWLINE ELEVATIONS SHALL BE CONFIRMED IN THE FIELD PRIOR TO INSTALLATION.

STORM SEWER / PIPE CULVERT SCHEDULE

PT. -	PT.	SLOPE (%)	TYPE 1 12" DIA. (FOOT)	TYPE 1 15" DIA. (FOOT)	TRENCH BACKFILL (CU. YD.)	NOTES
1	2	0.34%		32		
3	4	1.00%		152		
4	5	0.30%		8		
4	6	0.37%	58			
6	7	0.37%	8			
7	8	0.37%	44			
6	9	1.20%	40			
TOTALS			150	192		

**LENGTHS SHOWN DO NOT INCLUDE END SECTION LENGTHS

SUMMARY OF QUANTITIES

CODE NUMBER	ITEM	UNIT	QUANTITY
20200100	EARTH EXCAVATION	CU YD	5,530.0
20800150	TRENCH BACKFILL	CU YD	24.0
25001000	SEEDING, CLASS 2 (SPECIAL)	ACRE	2.0
25100630	EROSION CONTROL BLANKET	SQ YD	1,200.0
28000305	TEMPORARY DITCH CHECKS	FOOT	72.0
28000400	PERIMETER EROSION BARRIER	FOOT	1,620.0
28000500	INLET AND PIPE PROTECTION	EACH	9.0
35101400	AGGREGATE BASE COURSE, TYPE B	TON	575.0
40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	160.0
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	4,008.0
40600537	LEVELING BINDER (HAND METHOD), IL 9.5FG, N70	TON	5.0
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	213.0
40600990	TEMPORARY RAMP	SQ YD	27.0
40603085	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70 (PG 64-22)	TON	1,024.0
40603540	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (SBS PG 70-22)	TON	374.0
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	27.0
44000100	PAVEMENT REMOVAL	SQ YD	32.0
44000155	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"	SQ YD	4,447.0
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	121.0
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	27.0
44004250	PAVED SHOULDER REMOVAL	SQ YD	1,036.0
48101500	AGGREGATE SHOULDERS, TYPE B 6"	SQ YD	1,170.0
48203003	HOT-MIX ASPHALT SHOULDERS, 1 1/2"	SQ YD	714.0
48203029	HOT-MIX ASPHALT SHOULDERS, 8"	SQ YD	227.0
50105220	PIPE CULVERT REMOVAL	FOOT	138.0
54213657	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	EACH	1.0
54213660	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 15"	EACH	4.0
56109210	WATER VALVES TO BE ADJUSTED	EACH	2.0
60218300	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	EACH	1.0
60218300	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1.0
60235700	INLETS, TYPE A, TYPE 3 FRAME AND GRATE	EACH	2.0
60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	389.0
60623200	CONCRETE MEDIAN, TYPE SM-6.24	SQ FT	124.0
64200108	SHOULDER RUMBLE STRIPS, 8"	FOOT	2,200.0
66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	300.0
66900450	SPECIAL WASTE PLANS AND REPORTS	L SUM	1.0
66900530	SOIL DISPOSAL ANALYSIS	EACH	1.0
67100100	MOBILIZATION	L SUM	1.0
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1.0
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	1,413.0
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	8,476.0
72000100	SIGN PANEL - TYPE 1	SQ FT	25.0
72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT	60.0
78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	63.0
78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	6,371.0
78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	240.0
78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	259.0
78000850	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	8.0
78008200	POLYUREA PAVEMENT MARKING TYPE I - LETTERS AND SYMBOLS	SQ FT	63.0
78008210	POLYUREA PAVEMENT MARKING TYPE I - LINE 4"	FOOT	2,726.0
78008230	POLYUREA PAVEMENT MARKING TYPE I - LINE 6"	FOOT	222.0
78008250	POLYUREA PAVEMENT MARKING TYPE I - LINE 12"	FOOT	164.0
78008270	POLYUREA PAVEMENT MARKING TYPE I - LINE 24"	FOOT	30.0
78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	93.0
78300100	PAVEMENT MARKING REMOVAL	SQ FT	853.0
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	16.0
542A0220	PIPE CULVERTS, CLASS A, TYPE 1 15"	FOOT	192.0
550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	FOOT	150.0
LR420029	PORTLAND CEMENT CONCRETE PAVEMENT 8" (SPECIAL)	SQ YD	2,122.0
X0527301	RELOCATE EXISTING MAILBOX	EACH	1.0
XX006529	CONCRETE CURB & GUTTER END OUTLET SPECIAL	EACH	6.0

1200th RD (HIGH SCHOOL RD) and US ROUTE 150 / IL ROUTE 1 INTERSECTION
CITY OF PARIS - ILLINOIS - EDGAR COUNTY
PROJECT NUMBER: M-5054 (010)
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SHEET 2 OF 20



DESIGN INFORMATION

1) SUMMARY OF EARTH WORK

STATION TO STATION	EARTH EXCAVATION (CU. YD.)	EMBANKMENT (CU. YD.)
145+19 TO 157+30	1,126.7	925.1
567+99 TO 572+50	4,174.8	23.2
*567+99 TO 569+99	222.0	
TOTAL =	5,523.5	948.3

EARTH EXCAVATION SHRINKAGE FACTOR = 20%
NO PAYMENT WILL BE ALLOWED FOR OVERHAUL OF EARTH TO OR FROM ANY SOURCE.

*UNDERCUT ALLOWANCE FOR UNSUITABLE MATERIAL

2) SEEDING, CLASS 2 (SPECIAL)

THE FOLLOWING ESTIMATED QUANTITIES ARE BASED ON SEEDING FROM R.O.W. TO R.O.W. WITH APPROPRIATE DEDUCTION FOR PAVEMENT, SHOULDERS, AND DRIVEWAYS.

APPLICATION RATES:

90 LBS. / ACRE	NITROGEN FERTILIZER NUTRIENT
90 LBS. / ACRE	PHOSPHORUS FERTILIZER NUTRIENT
90 LBS. / ACRE	POTASSIUM FERTILIZER NUTRIENT
2 TON / ACRE	MULCH (METHOD 2)

SUMMARY OF SEEDING:

SEEDING, CLASS 2 (SPECIAL)	=	2.0 ACRES
NITROGEN FERTILIZER NUTRIENT	=	180 LBS.
PHOSPHORUS FERTILIZER NUTRIENT	=	180 LBS.
POTASSIUM FERTILIZER NUTRIENT	=	180 LBS.
MULCH (METHOD 2)	=	4.0 TONS

3) AGGREGATE BASE COURSE, TYPE B

PLAN QUANTITY -
U.S. ROUTE 150 (IL ROUTE 1) - 41 TON
1200th ROAD (HIGH SCHOOL ROAD) - 534 TON
TOTAL - 575 TON

4) AGGREGATE SURFACE COURSE, TYPE B

PLAN QUANTITY INCLUDES QUANTITY FOR PRIVATE / FIELD ENTRANCES ON EACH ROUTE SHOWN AND ALLOWANCES FOR INCIDENTAL ACCESS.

PLAN QUANTITY -
U.S. ROUTE 150 (IL ROUTE 1) - 31 TON
1200th ROAD (HIGH SCHOOL ROAD) - 89 TON
ALLOWANCE - 40 TON
TOTAL - 160 TON

4) PORTLAND CEMENT CONCRETE PAVEMENT 8"

PLAN QUANTITY IS BASED ON TOTAL PAVING WIDTH OF 24 FEET OR 36 FEET AND INCLUDES INTERSECTION UP TO THE COMPLETION OF EACH RADIUS RETURN. PLAN QUANTITY DOES NOT INCLUDE THE CONCRETE CURB AND GUTTER PORTION.

PLAN QUANTITY - 2,099 SQ. YD.

Δ SPECIALTY ITEM

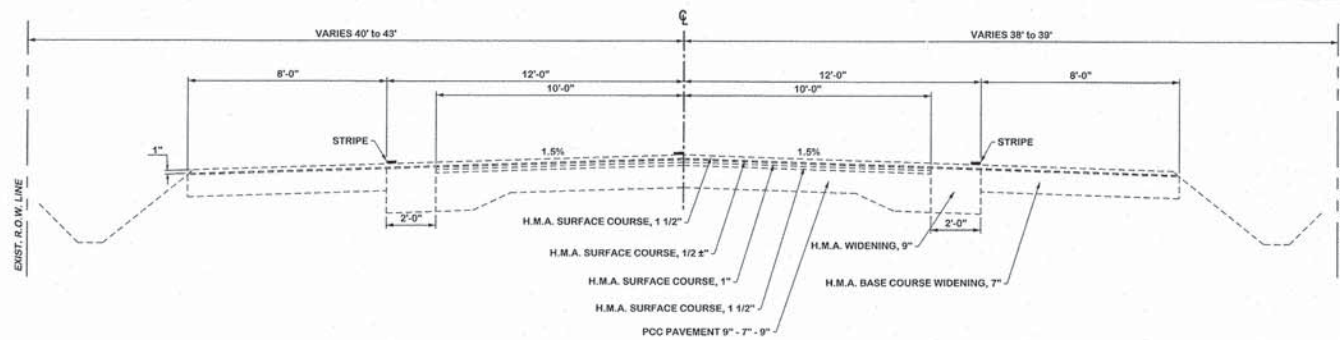
FRANCIS ASSOCIATES
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LAND SURVEYORS
330 NORTH CENTRAL AVENUE
PARIS, ILLINOIS 61944
PH. (217) 465-5306
PROFESSIONAL DESIGN FIRM #184-001406

SCALES	DRAWN	ILT
	DATE	1/25/16
PLAN :	N/A	CHECKED
		DATE
REVISED		REVISED
DATE		DATE
REVISED		REVISED
DATE		DATE

FRANCIS ASSOC.
FILE NO.
P-477-3

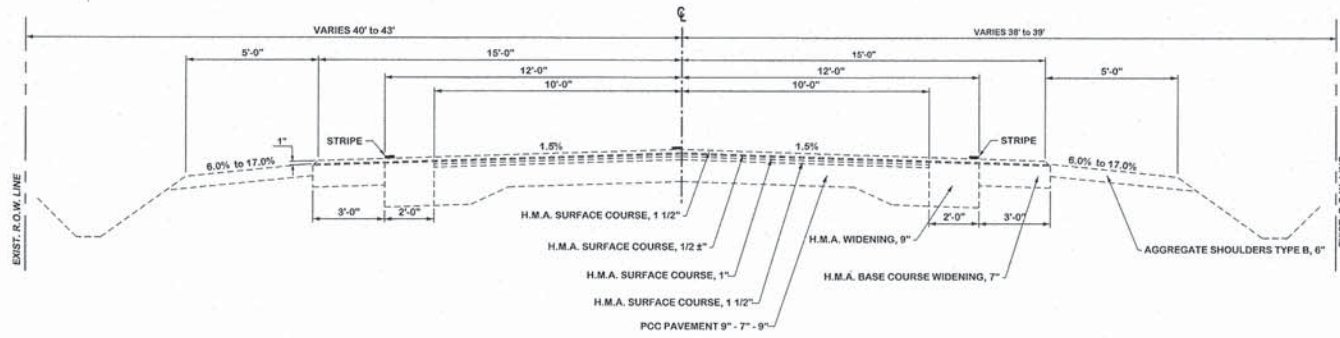
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CITY OF PARIS - ILLINOIS - EDGAR COUNTY

SHEET NO.
2
OF 20 SHEETS

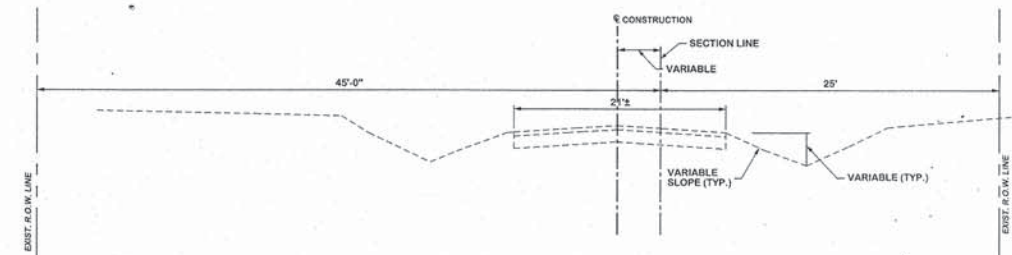


EXISTING TYPICAL SECTION #1
 STA. 145+19.07 to 147+50
 F.A.P. ROUTE 332 (US 150 / IL 1)

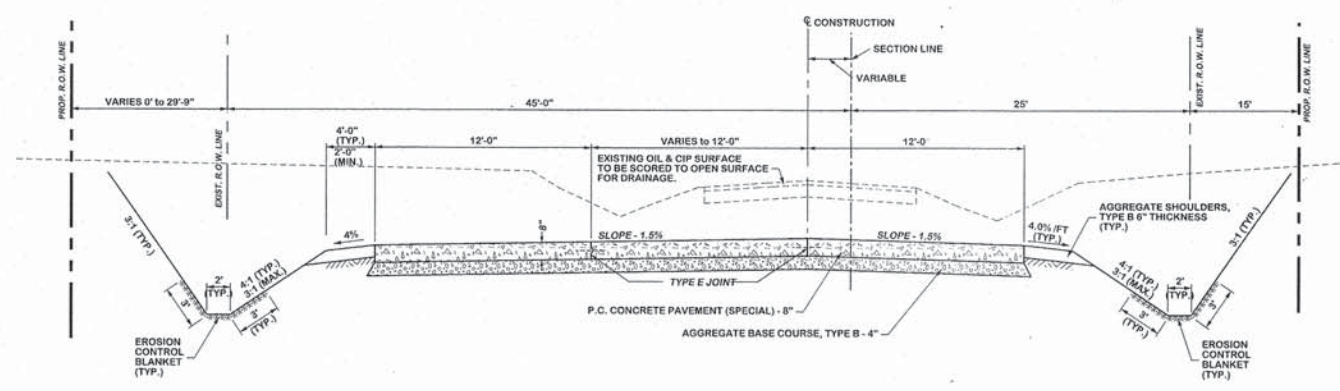
**TRANSITION FROM EXISTING TYPICAL SECTION #1 TO SECTION #2
 AT LT STA. 147+50 TO LT STA. 149+00 AND RT STA. 147+50 TO RT STA. 149+50**



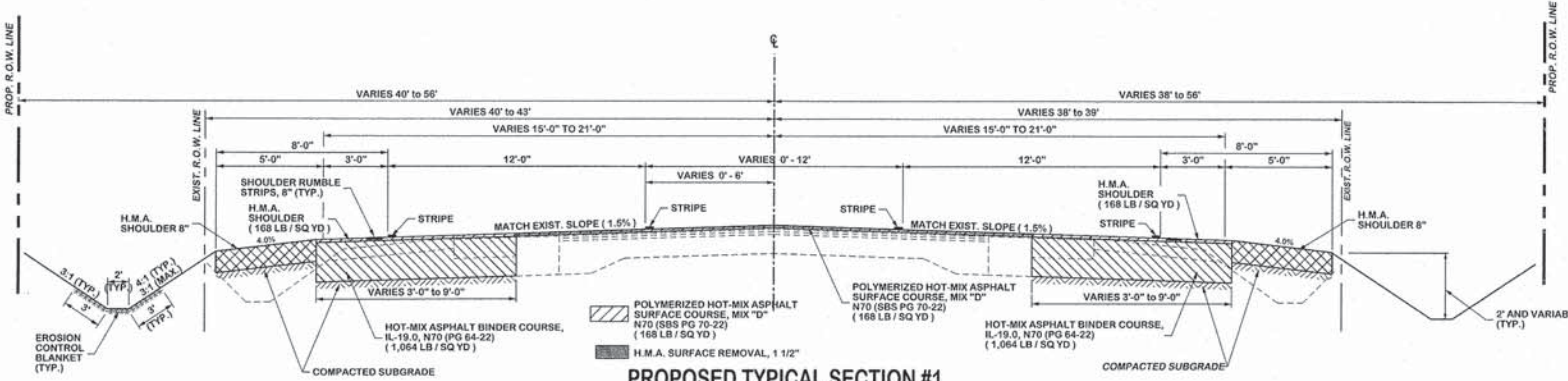
EXISTING TYPICAL SECTION #2
 LT STA. 149+00 / RT STA. 149+50 to 157+30.58
 F.A.P. ROUTE 332 (US 150 / IL 1)



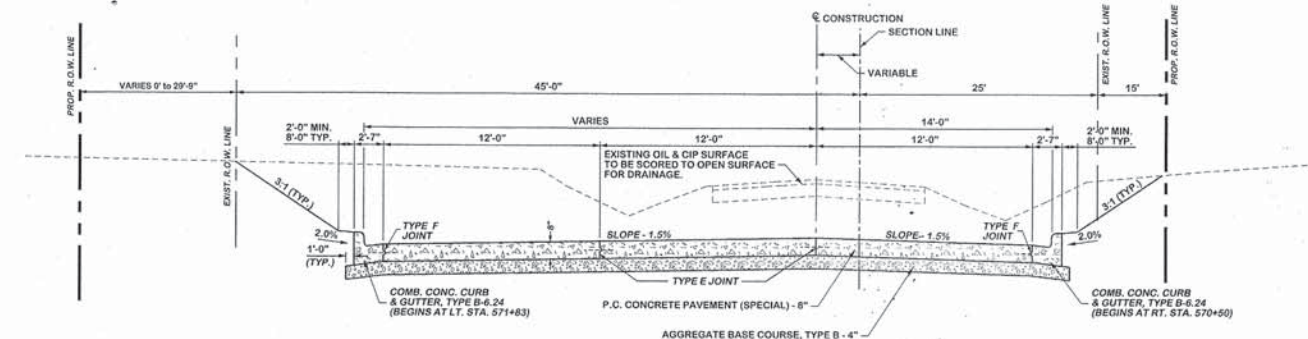
EXISTING TYPICAL SECTION
 1200TH RD (HIGH SCHOOL RD)



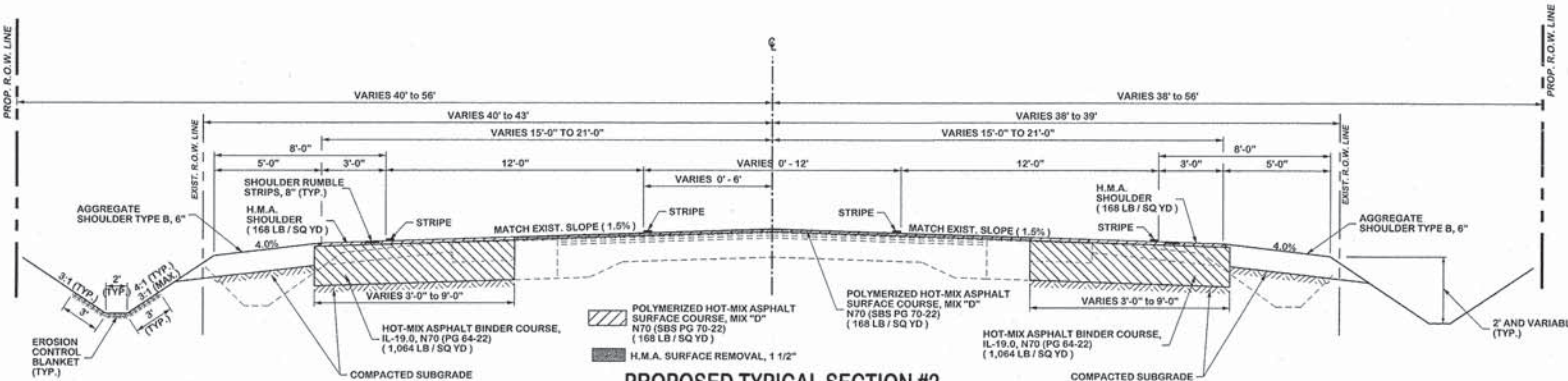
PROPOSED TYPICAL SECTION
 STA. 567+99.35 to 571+60.0
 1200th RD (HIGH SCHOOL RD)



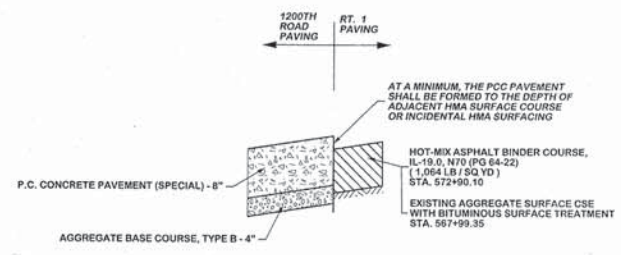
PROPOSED TYPICAL SECTION #1
 STA. 145+19.07 to 147+50
 F.A.P. ROUTE 332 (US 150 / IL 1)



PROPOSED TYPICAL SECTION
 STA. 571+60.0 to 572+90.10
 1200th RD (HIGH SCHOOL RD)



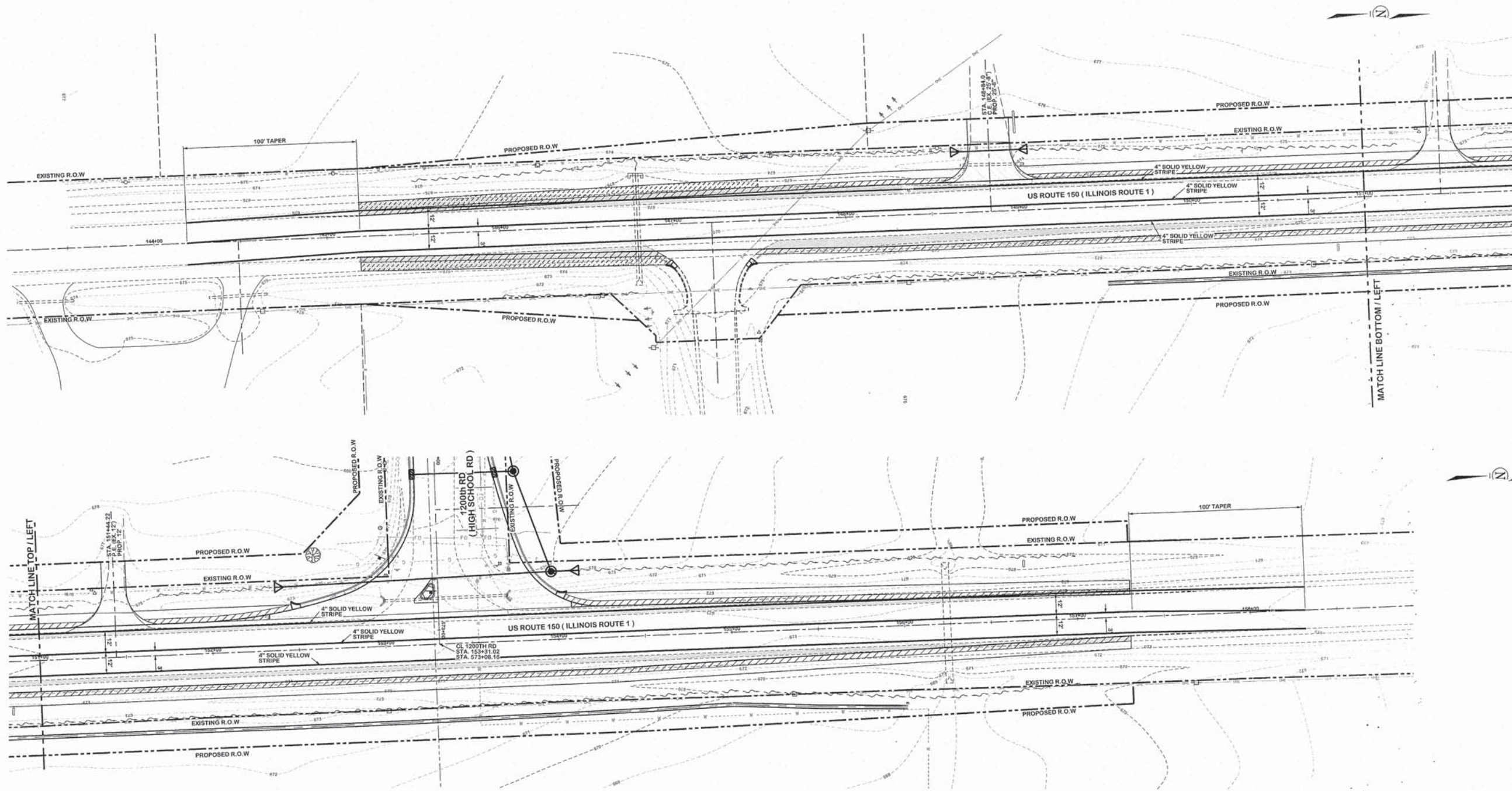
PROPOSED TYPICAL SECTION #2
 STA. 147+50 to 157+30.58
 F.A.P. ROUTE 332 (US 150 / IL 1)



1200TH ROAD ADJACENT PAVING DETAIL



SCALES		DRAWN: TLT	
PLAN: N/A	CHECKED: _____	DATE: 1/25/16	FILE NO. _____
REVISED: _____	REVISOR: _____	DATE: _____	DATE: _____
REVISED: _____	REVISOR: _____	DATE: _____	DATE: _____



78300100	PAVEMENT MARKING REMOVAL	
LT/RT STA. 144+19 TO STA. 158+31	853 SQ FT	
SHEET TOTAL =	853 SQ FT	

70300240	TEMPORARY PAVEMENT MARKING - LINE 4"	
LT/RT STA. 144+19 TO STA. 158+31	4,238 FOOT	
SHEET TOTAL =	4,238 FOOT	

- PAVED SHOULDER REMOVAL
- HOT-MIX ASPHALT SHOULDERS, 1 1/2"
- DRIVEWAY PAVEMENT REMOVAL

P:\New Projects\VP-477-3 1200th Rd and RTE 1_Phase I Stripping Plan Sheets.dgn



FRANCIS ASSOCIATES
 CONSULTING ENGINEERS
 LAND SURVEYORS
 330 NORTH CENTRAL AVENUE
 PARIS, ILLINOIS 61944
 PH. (217) 465-5306
 PROFESSIONAL DESIGN FIRM #184-001406

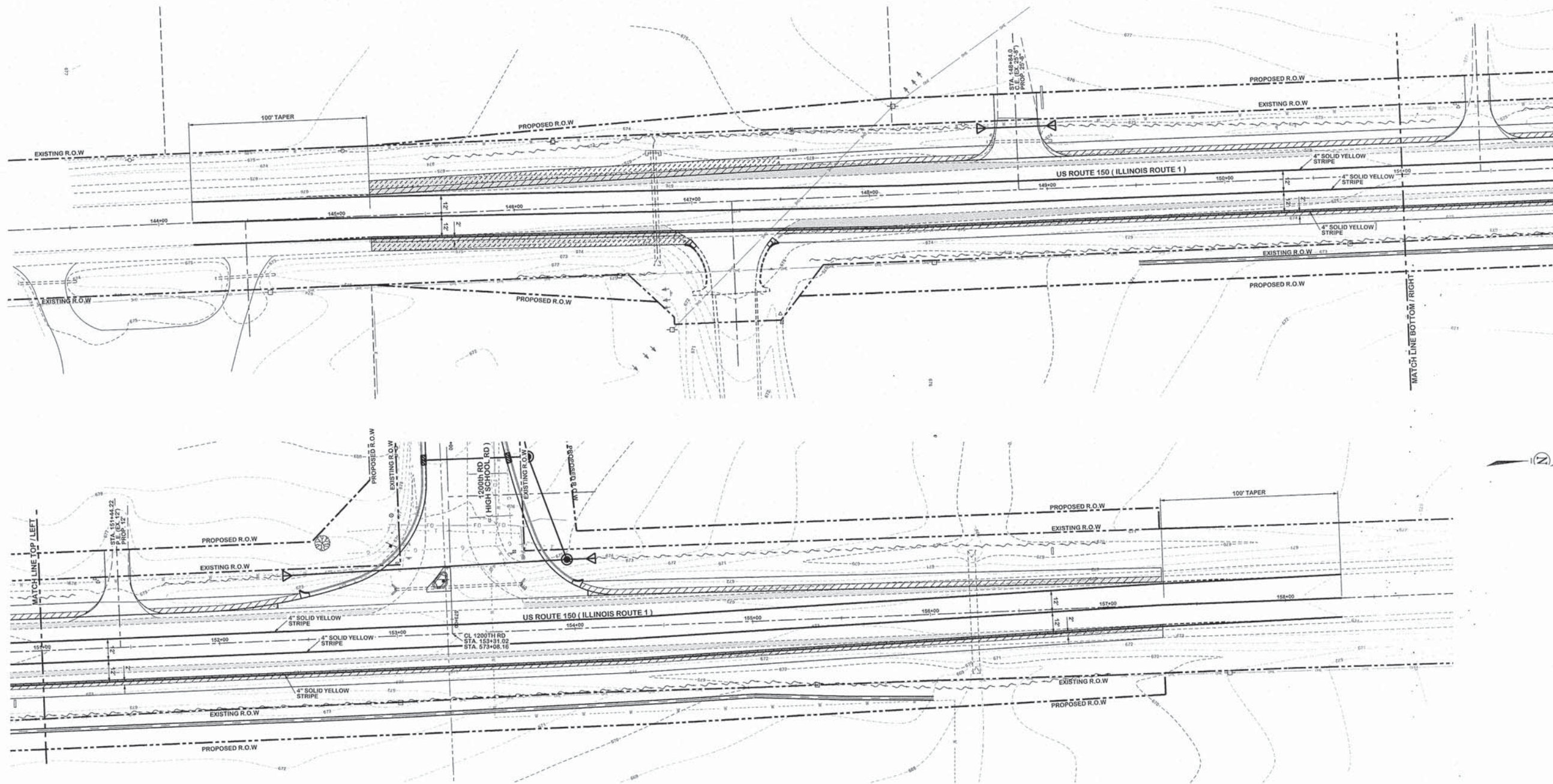


SCALES	DRAWN	TLT
PLAN : 1"=30'	DATE	1/25/16
REVISED	CHECKED	
DATE	DATE	
REVISED	APPROVED	
DATE	DATE	
REVISED	REVISED	
DATE	DATE	

FRANCIS ASSOC.
 FILE NO.
P-477-3

PHASE I TEMPORARY STRIPING PLAN - ILLINOIS ROUTE 1 (US ROUTE 150)
 1200th RD (HIGH SCHOOL RD) and US ROUTE 150 / IL ROUTE 1 INTERSECTION
 CITY OF PARIS - ILLINOIS - EDGAR COUNTY

SHEET NO.
4
 OF 20 SHEETS



70301000
 WORK ZONE PAVEMENT
 MARKING REMOVAL (FROM PHASE I)
 LT/RT STA. 144+19 TO STA. 158+31 1,412.5 SQ FT
 SHEET TOTAL = 1,412.5 SQ FT

70300240
 TEMPORARY PAVEMENT
 MARKING - LINE 4"
 LT/RT STA. 144+19 TO STA. 158+31 4,238 FOOT
 SHEET TOTAL = 4,238 FOOT

PAVED SHOULDER REMOVAL [Hatched Pattern]
 HOT-MIX ASPHALT SHOULDERS, 1 1/2" [Diagonal Line Pattern]
 DRIVEWAY PAVEMENT REMOVAL [Stippled Pattern]

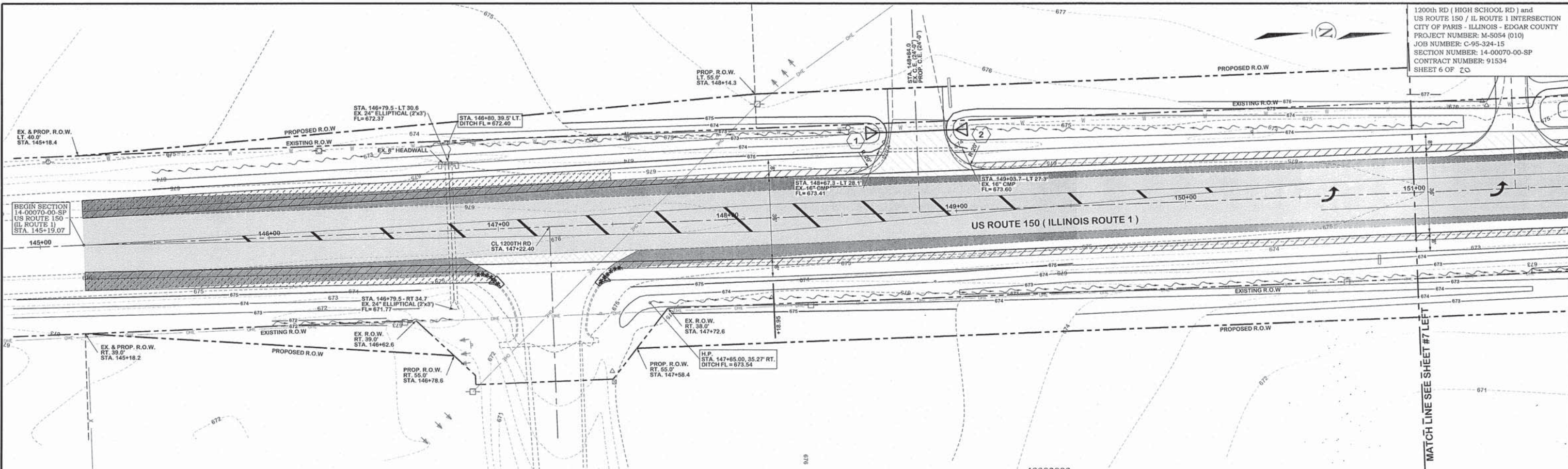
P:\New Projects\VP-477-3 1200th Rd and RTE 1\Phase2 Stripping Plan Sheets.dgn

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SCALES	DRAWN TLT
PLAN : 1"=30'	DATE 1/25/16
REVISIONS	CHECKED
DATE	DATE
REVISIONS	APPROVED
DATE	DATE
REVISIONS	REVISION
DATE	DATE

FRANCIS ASSOC.
 FILE NO.
P-477-3

PHASE II TEMPORARY STRIPING PLAN - ILLINOIS ROUTE 1 (US ROUTE 150)
 1200th RD (HIGH SCHOOL RD) and US ROUTE 150 / IL ROUTE 1 INTERSECTION
 CITY OF PARIS - ILLINOIS - EDGAR COUNTY



50105220
PIPE CULVERT REMOVAL
LT STA. 148+67.3 TO STA. 149+03.7 36.0 FOOT
SHEET TOTAL = 36.0 FOOT

XX006529
CURB AND GUTTER
OUTLET, SPECIAL
26' RT STA. 146+99.7 1 EACH
27' RT STA. 147+43.2 1 EACH
SHEET TOTAL = 2 EACH

40800050
INCIDENTAL HMA SURFACING
LT STA. 148+84.0 15.0 TONS
SHEET TOTAL = 15.0 TONS

44000100
PAVEMENT REMOVAL
RT STA. 146+84 TO STA. 147+61 32.0 SQ. YD.
SHEET TOTAL = 32.0 SQ. YD.

44000500
COMBINATION CURB AND
GUTTER REMOVAL *****
20' RT STA. 146+88.9 TO 26' RT STA. 146+99.7 13.2 FOOT
27' RT STA. 147+43.2 TO 20' RT STA. 147+53.7 13.8 FOOT
SHEET TOTAL = 27.0 FOOT

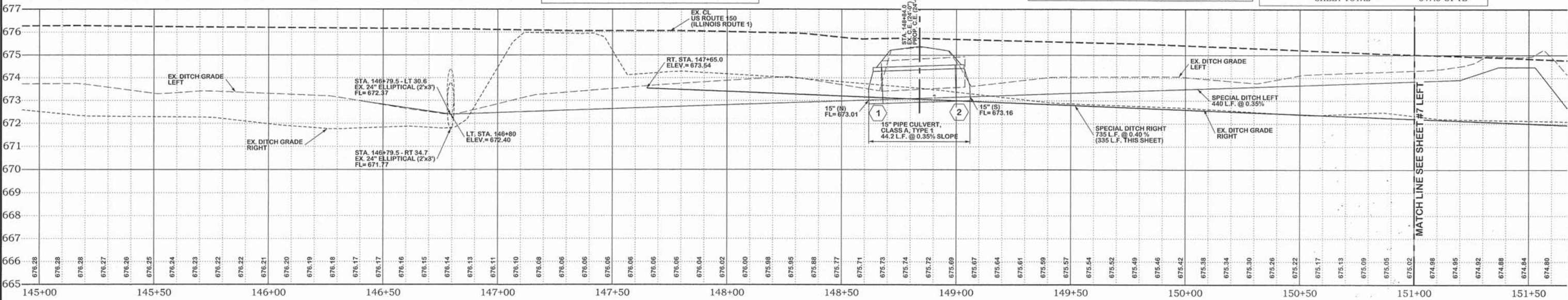
44000200
DRIVEWAY PAVEMENT REMOVAL
LT STA. 148+84.0 83.4 SQ. YD.
SHEET TOTAL = 83.4 SQ. YD.

44000155
HOT-MIX ASPHALT SURFACE
REMOVAL, 1 1/2" min.
STA. 145+19.07 TO STA. 151+00.0 2,123.9 SQ YD
SHEET TOTAL = 2,123.9 SQ YD

48203003
HOT-MIX ASPHALT SHOULDERS, 1 1/2"
LT STA. 145+19.07 TO STA. 148+62.5 117.1 SQ. YD.
RT STA. 145+19.07 TO STA. 146+94.62 57.7 SQ. YD.
RT STA. 147+47.02 TO STA. 151+00.0 113.5 SQ. YD.
LT STA. 149+05.46 TO STA. 151+00.0 63.7 SQ. YD.
SHEET TOTAL = 352.0 SQ. YD.

48203029
HOT-MIX ASPHALT SHOULDERS, 8"
RT STA. 145+19.07 TO STA. 146+94.62 98.6 SQ. YD.
LT STA. 145+19.07 TO STA. 147+50.0 128.4 SQ. YD.
SHEET TOTAL = 227.0 SQ. YD.

44004250
PAVED SHOULDER REMOVAL
LT STA. 145+19.07 TO STA. 151+00.0 342.9 SQ YD
RT STA. 145+19.07 TO STA. 146+94.62 142.2 SQ YD
RT STA. 147+47.02 TO STA. 151+00.0 162.4 SQ YD
SHEET TOTAL = 647.5 SY YD

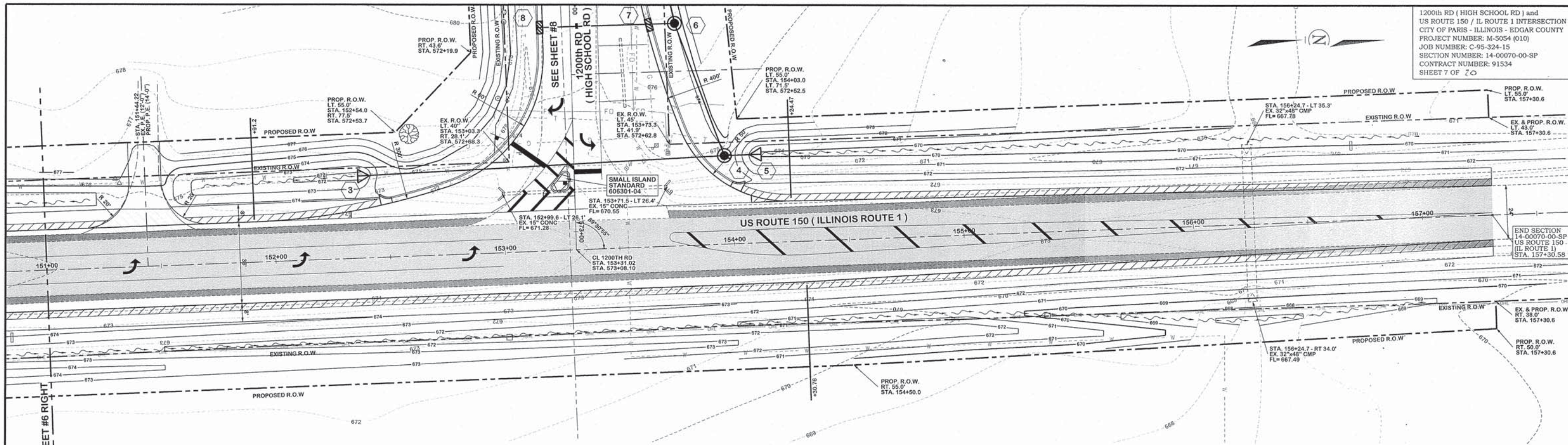


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SCALES	DRAWN	TJT
PLAN : HOR. 1"=20'	DATE	1/25/16
VERT. 1"=2'	CHECKED	
REVISION	DATE	
REVISION	DATE	
REVISION	DATE	

FRANCIS ASSOC.
FILE NO.
P-477-3

PLAN AND PROFILE - ILLINOIS ROUTE 1 (US ROUTE 150)
1200th RD (HIGH SCHOOL RD) and US ROUTE 150 / IL ROUTE 1 INTERSECTION
CITY OF PARIS - ILLINOIS - EDGAR COUNTY



50105220
 PIPE CULVERT REMOVAL
 LT STA. 152+99.6 TO STA. 153+71.5 72.0 FOOT
 SHEET TOTAL = 72.0 FOOT

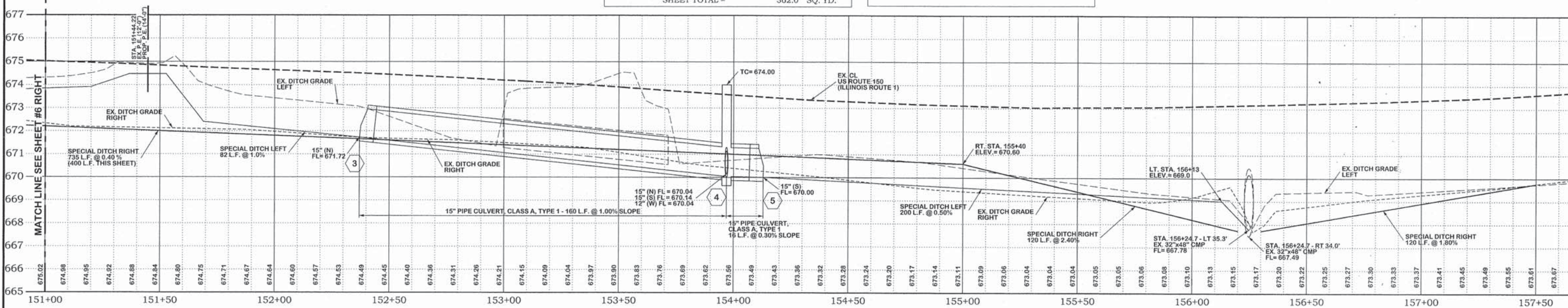
40800050
 INCIDENTAL HMA SURFACING
 LT. STA. 151+44.22 6.4 TONS
 SHEET TOTAL = 6.4 TONS

44000200
 DRIVEWAY PAVEMENT REMOVAL
 LT STA. 151+44.22 37.6 SQ. YD.
 SHEET TOTAL = 37.6 SQ. YD.

44000155
 HOT-MIX ASPHALT SURFACE
 REMOVAL, 1 1/2" min.
 STA. 151+00.0 TO STA. 157+30.58 2,322.5 SQ YD
 SHEET TOTAL = 2,322.5 SQ YD

48203003
 HOT-MIX ASPHALT SHOULDERS, 1 1/2"
 LT STA. 151+00.0 TO STA. 151+27.75 8.2 SQ. YD.
 LT STA. 151+60.68 TO STA. 152+46.78 32.3 SQ. YD.
 LT STA. 154+03.52 TO STA. 157+30.58 111.3 SQ. YD.
 RT STA. 151+00.0 TO STA. 157+30.58 210.3 SQ. YD.
 SHEET TOTAL = 362.0 SQ. YD.

44004250
 PAVED SHOULDER REMOVAL
 LT STA. 151+00.0 TO STA. 152+92.13 63.7 SQ YD
 RT STA. 151+00.0 TO STA. 157+30.58 198.4 SQ YD
 LT STA. 153+71.36 TO STA. 157+30.58 126.4 SQ YD
 SHEET TOTAL = 388.5 SY YD



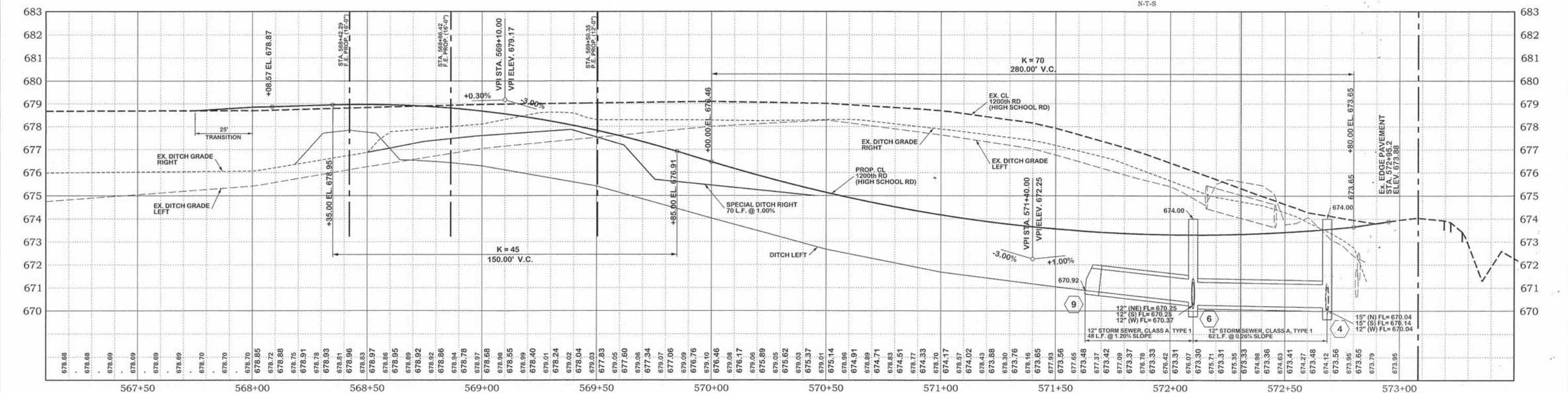
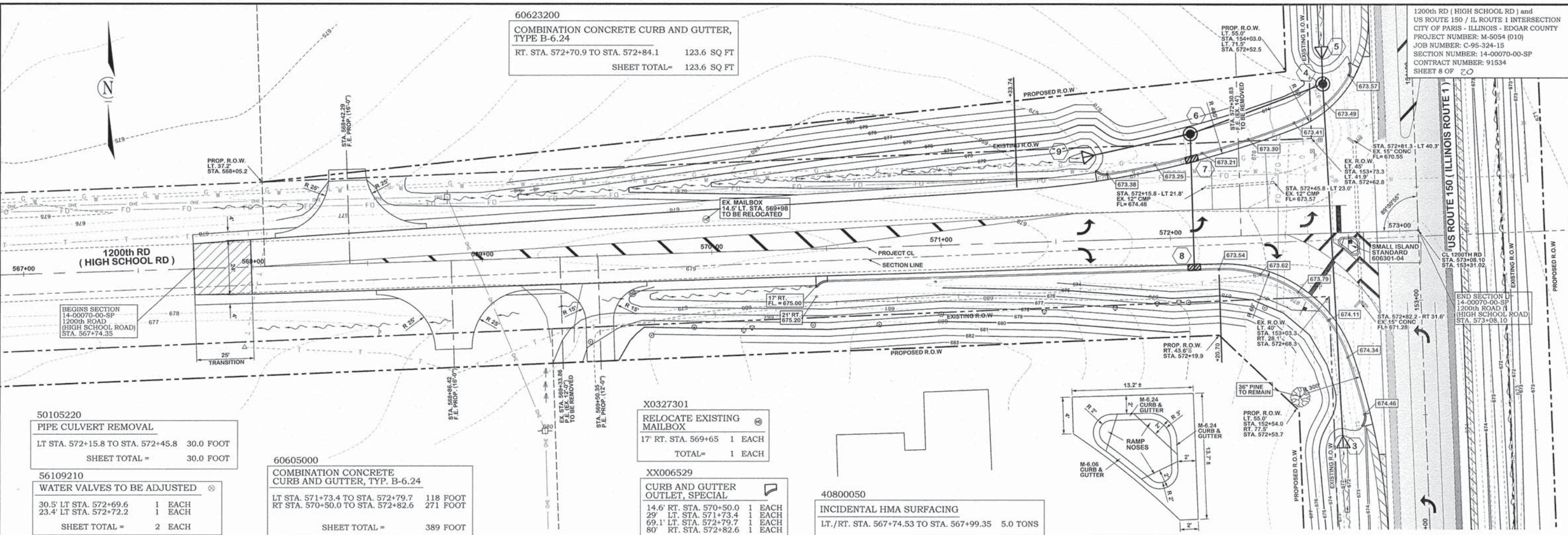
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 330 NORTH CENTRAL AVENUE
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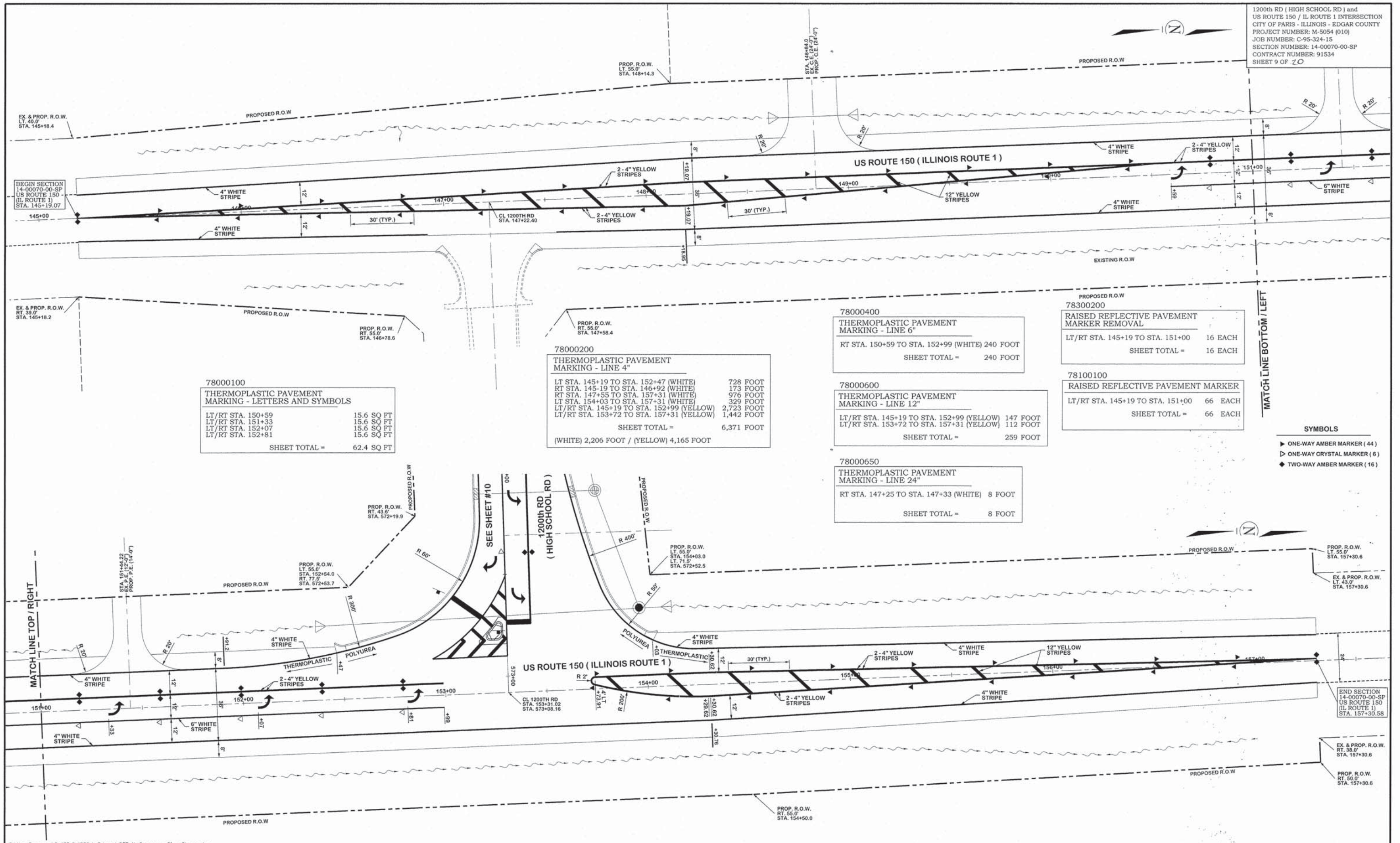
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PLAN: HOR. 1"=20'	DATE	1/25/16
VERT. 1"=2'	CHECKED	
REVISD	DATE	
REVISD	DATE	
REVISD	DATE	

FRANCIS ASSOC.
 FILE NO.
P-477-3

PLAN AND PROFILE - ILLINOIS ROUTE 1 (US ROUTE 150)
 1200th RD (HIGH SCHOOL RD) and US ROUTE 150 / IL ROUTE 1 INTERSECTION
 CITY OF PARIS - ILLINOIS - EDGAR COUNTY



<p>FRANCIS ASSOCIATES CONSULTING ENGINEERS LAND SURVEYORS 330 NORTH CENTRAL AVENUE PARIS, ILLINOIS 61944 PH. (217) 465-5306 PROFESSIONAL DESIGN FIRM #184-001406</p>	<p>SCALES PLAN: HOR. 1"=20' VERT. 1"=2'</p>	<p>DRAWN: IJT DATE: 1/25/16</p>	<p>FRANCIS ASSOC. FILE NO. P-477-3</p>	<p>PLAN AND PROFILE - 1200th Road 1200th RD (HIGH SCHOOL RD) and US ROUTE 150 / IL ROUTE 1 INTERSECTION CITY OF PARIS - ILLINOIS - EDGAR COUNTY</p>	<p>SHEET NO. 8 OF 20 SHEETS</p>
	<p>REVISOR: _____ DATE: _____</p>	<p>CHECKED: _____ DATE: _____</p>			
	<p>APPROVED: _____ DATE: _____</p>	<p>DATE: _____</p>			
	<p>REVISOR: _____ DATE: _____</p>	<p>DATE: _____</p>			



78000100
 THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS

LT/RT STA. 150+59	15.6 SQ FT
LT/RT STA. 151+33	15.6 SQ FT
LT/RT STA. 152+07	15.6 SQ FT
LT/RT STA. 152+81	15.6 SQ FT
SHEET TOTAL =	62.4 SQ FT

78000200
 THERMOPLASTIC PAVEMENT MARKING - LINE 4"

LT STA. 145+19 TO STA. 152+47 (WHITE)	728 FOOT
RT STA. 145-19 TO STA. 146+92 (WHITE)	173 FOOT
RT STA. 147+55 TO STA. 157+31 (WHITE)	976 FOOT
LT STA. 154+03 TO STA. 157+31 (WHITE)	329 FOOT
LT/RT STA. 145+19 TO STA. 152+99 (YELLOW)	2,723 FOOT
LT/RT STA. 153+72 TO STA. 157+31 (YELLOW)	1,442 FOOT
SHEET TOTAL =	6,371 FOOT

(WHITE) 2,206 FOOT / (YELLOW) 4,165 FOOT

78000400
 THERMOPLASTIC PAVEMENT MARKING - LINE 6"

RT STA. 150+59 TO STA. 152+99 (WHITE)	240 FOOT
SHEET TOTAL =	240 FOOT

78000600
 THERMOPLASTIC PAVEMENT MARKING - LINE 12"

LT/RT STA. 145+19 TO STA. 152+99 (YELLOW)	147 FOOT
LT/RT STA. 153+72 TO STA. 157+31 (YELLOW)	112 FOOT
SHEET TOTAL =	259 FOOT

78000650
 THERMOPLASTIC PAVEMENT MARKING - LINE 24"

RT STA. 147+25 TO STA. 147+33 (WHITE)	8 FOOT
SHEET TOTAL =	8 FOOT

78300200
 RAISED REFLECTIVE PAVEMENT MARKER REMOVAL

LT/RT STA. 145+19 TO STA. 151+00	16 EACH
SHEET TOTAL =	16 EACH

78100100
 RAISED REFLECTIVE PAVEMENT MARKER

LT/RT STA. 145+19 TO STA. 151+00	66 EACH
SHEET TOTAL =	66 EACH

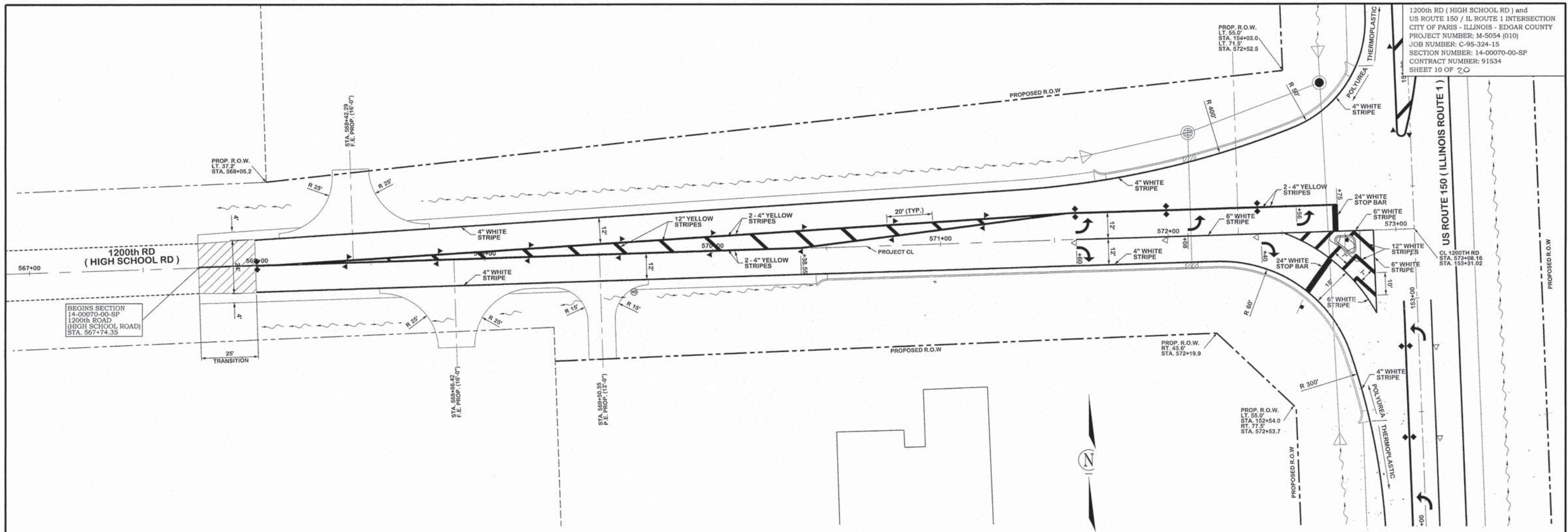
- SYMBOLS**
- ▶ ONE-WAY AMBER MARKER (44)
 - ▷ ONE-WAY CRYSTAL MARKER (6)
 - ◆ TWO-WAY AMBER MARKER (16)

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SCALES	DRAWN: TLT
PLAN: HOR. 1"=20'	DATE: 1/25/16
VERT. 1"=2'	CHECKED: _____
REVISIONS	APPROVED: _____
DATE	DATE
REVISIONS	REVISIONS
DATE	DATE

FRANCIS ASSOC.
 FILE NO.
P-477-3

STRIPING PLAN - ILLINOIS ROUTE 1 (US ROUTE 150)
 1200th RD (HIGH SCHOOL RD) and US ROUTE 150 / IL ROUTE 1 INTERSECTION
 CITY OF PARIS - ILLINOIS - EDGAR COUNTY



78000200
 POLYUREA PAVEMENT MARKING - LETTERS AND SYMBOLS

LT/RT STA. 571+60	15.6 SQ FT
LT STA. 572+08	15.6 SQ FT
RT STA. 572+40	15.6 SQ FT
LT STA. 572+56	15.6 SQ FT
SHEET TOTAL =	62.4 SQ FT

78008210
 POLYUREA PAVEMENT MARKING - LINE 4"

LT/RT STA. 568+00 TO STA. 572+75 (YELLOW)	1696 FOOT
LT STA. 568+00 TO STA. 572+84 (WHITE)	500 FOOT
RT STA. 568+00 TO STA. 572+86 (WHITE)	530 FOOT
SHEET TOTAL =	2726 FOOT
(WHITE) 1,030 FOOT / (YELLOW) 1,696 FOOT	

78008230
 POLYUREA PAVEMENT MARKING - LINE 6"

RT STA. 571+60 TO STA. 572+90 (WHITE)	222 FOOT
SHEET TOTAL =	222 FOOT

78008270
 POLYUREA PAVEMENT MARKING - LINE 24"

LT STA. 572+75 (WHITE)	12 FOOT
RT STA. 572+75 (WHITE)	18 FOOT
SHEET TOTAL =	30 FOOT

78100100
 RAISED REFLECTIVE PAVEMENT MARKER

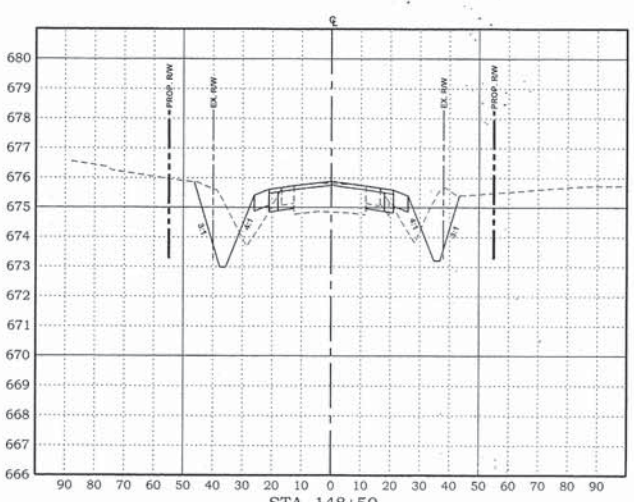
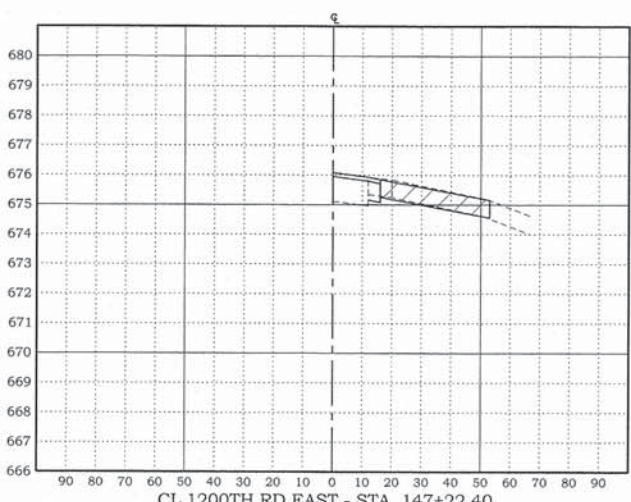
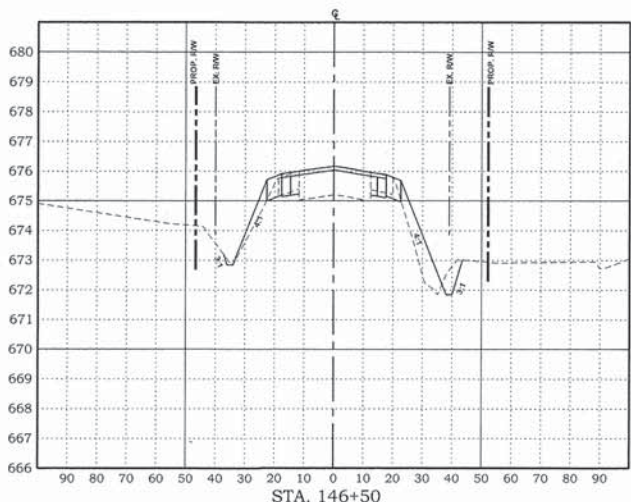
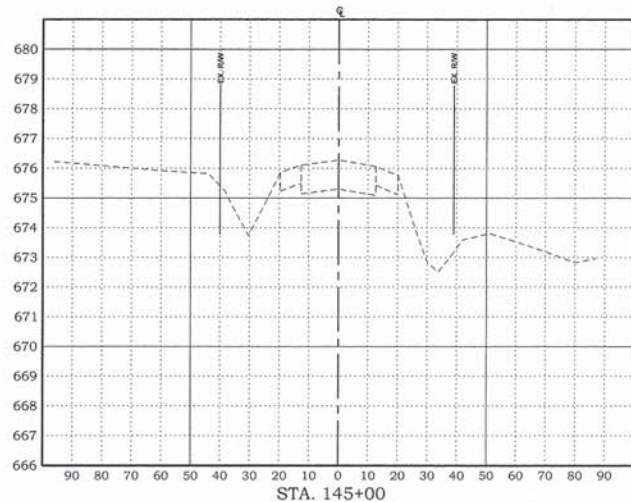
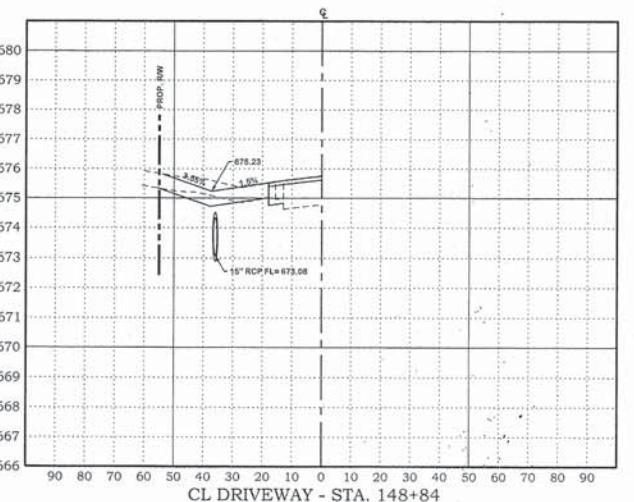
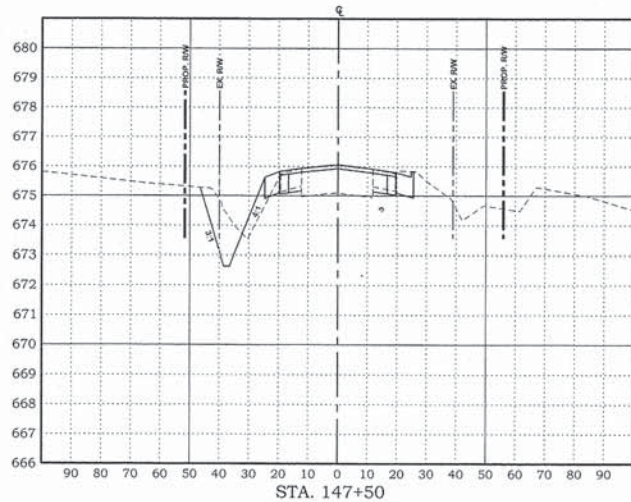
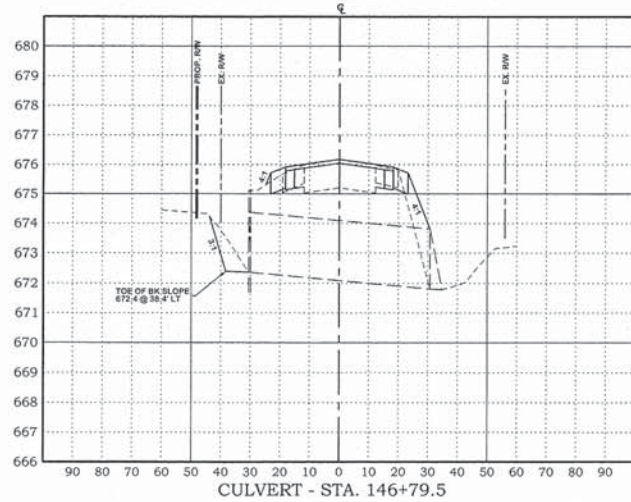
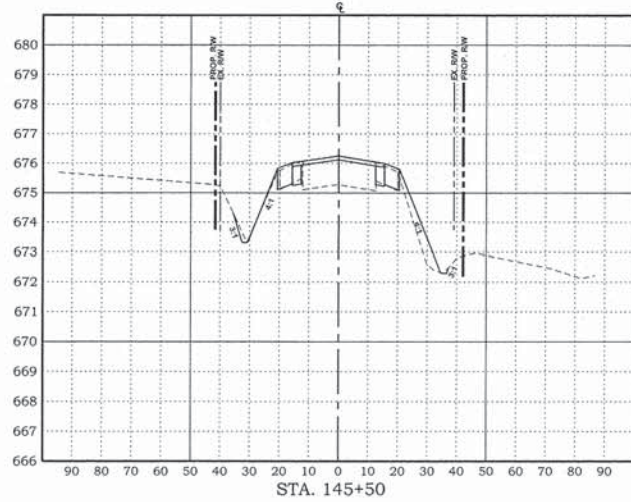
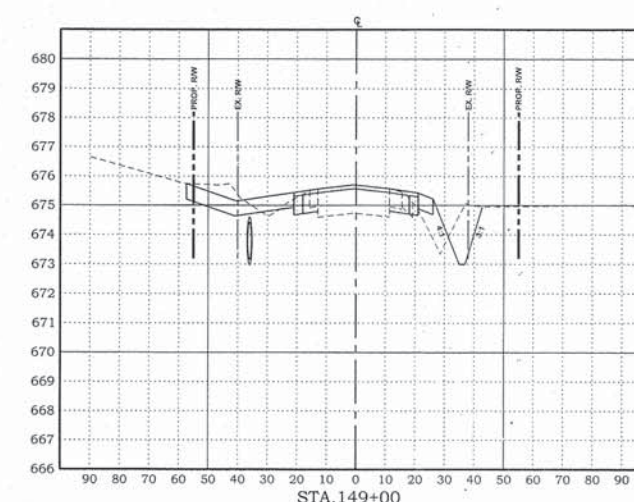
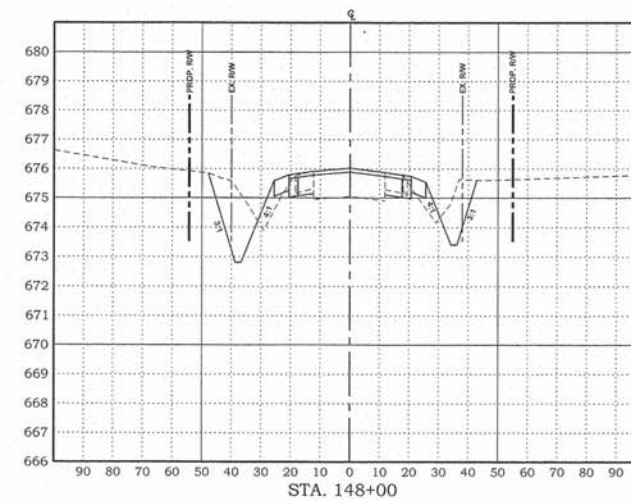
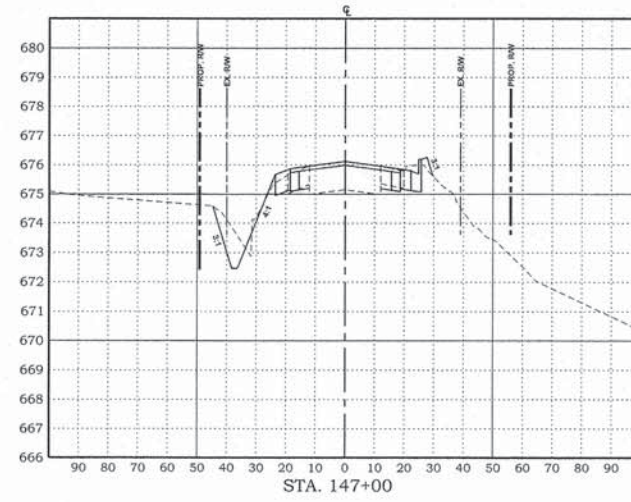
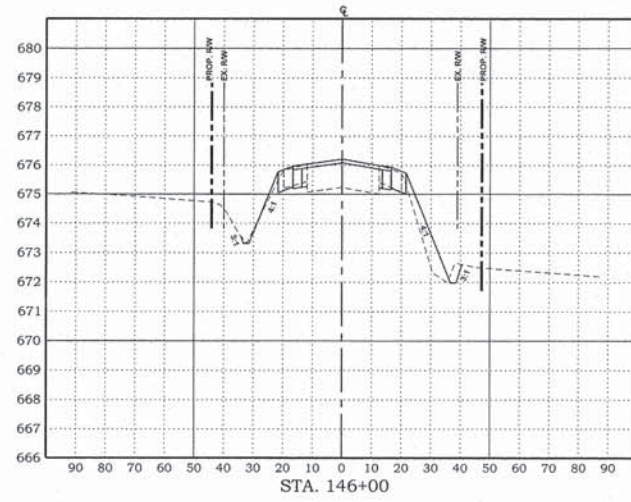
LT/RT STA. 568+00 TO STA. 573+08	27 EACH
SHEET TOTAL =	27 EACH

78008250
 POLYUREA PAVEMENT MARKING - LINE 12"

RT STA. 568+50 TO STA. 571+60 (YELLOW)	94 FOOT
RT STA. 572+50 TO STA. 572+90 (WHITE)	70 FOOT
SHEET TOTAL =	164 FOOT
(WHITE) 70 FOOT / (YELLOW) 94 FOOT	

- SYMBOLS**
- ▶ ONE-WAY AMBER MARKER (16)
 - ▷ ONE-WAY CRYSTAL MARKER (3)
 - ◆ TWO-WAY AMBER MARKER (8)

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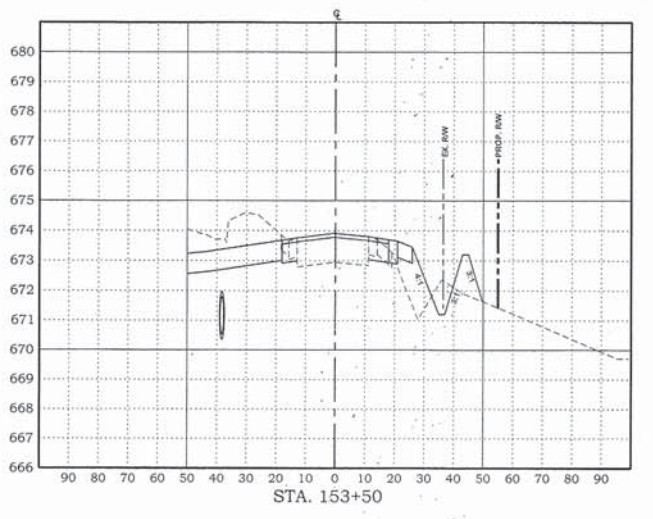
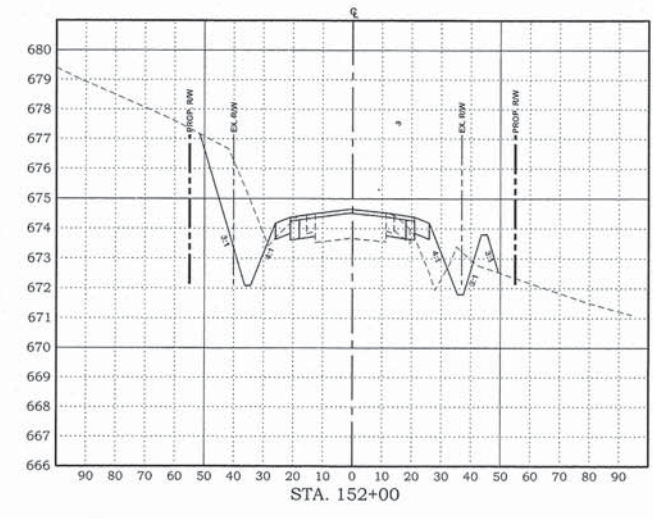
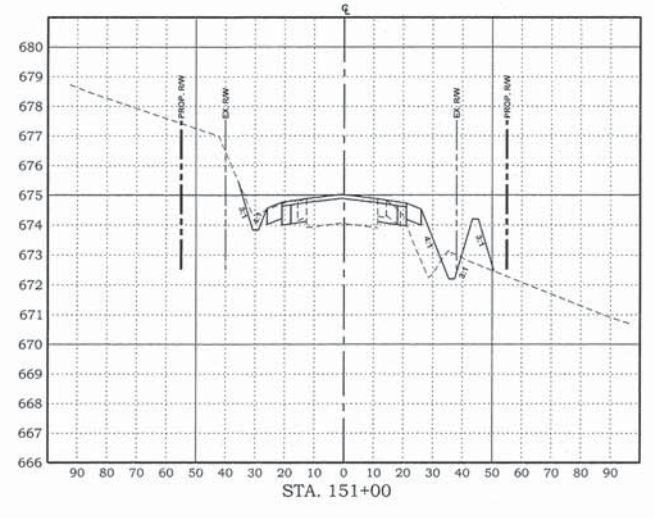
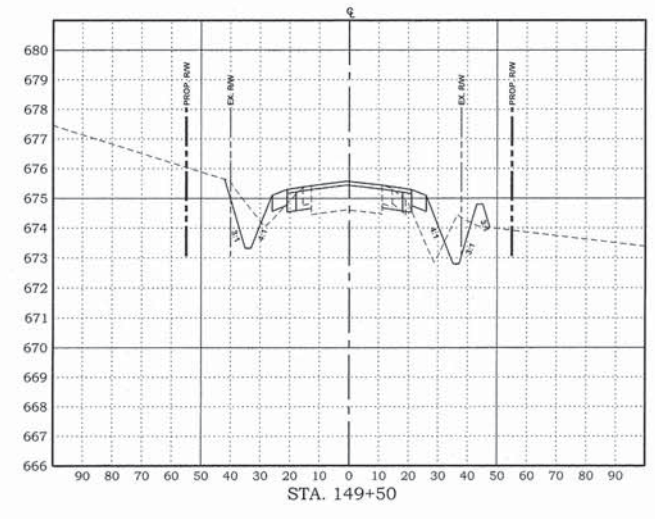
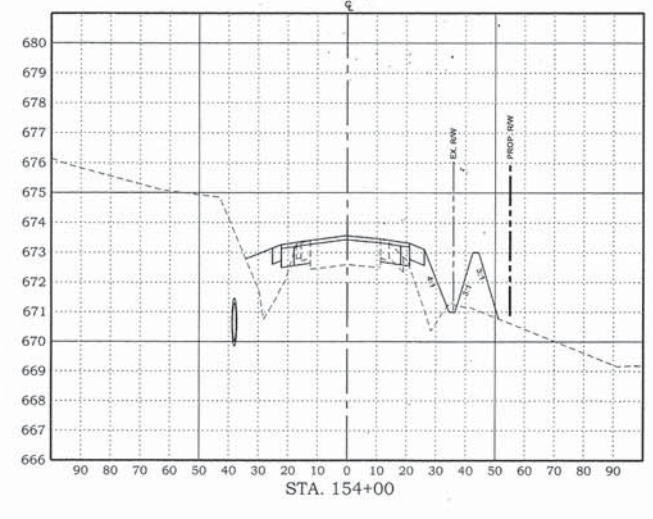
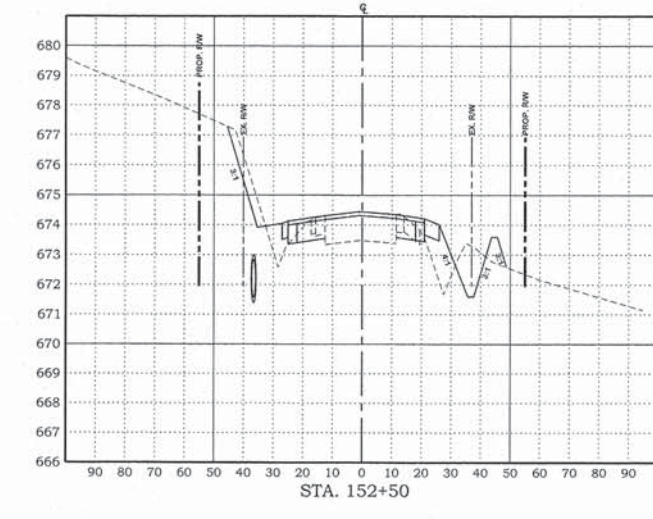
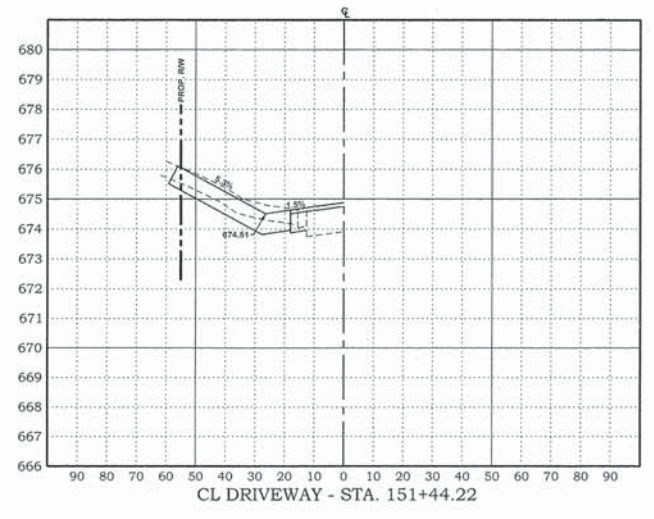
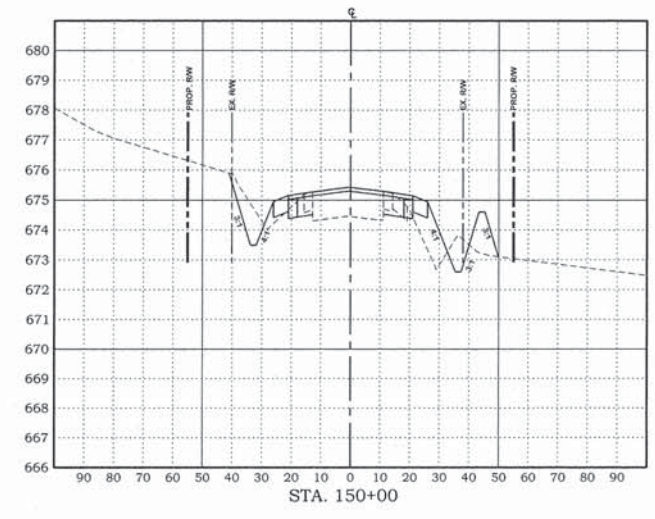
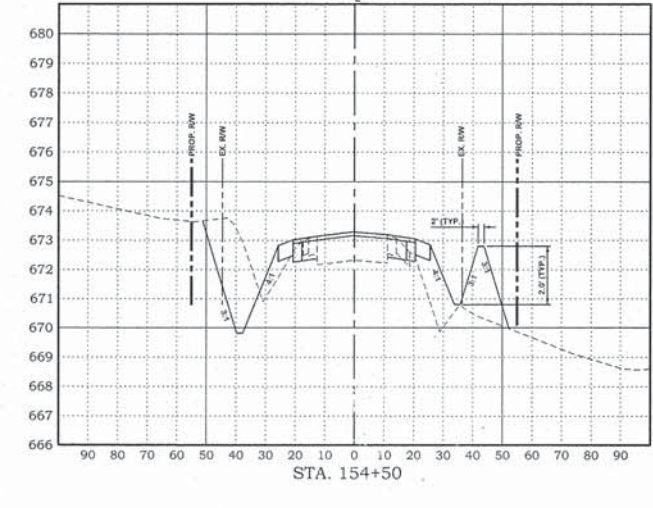
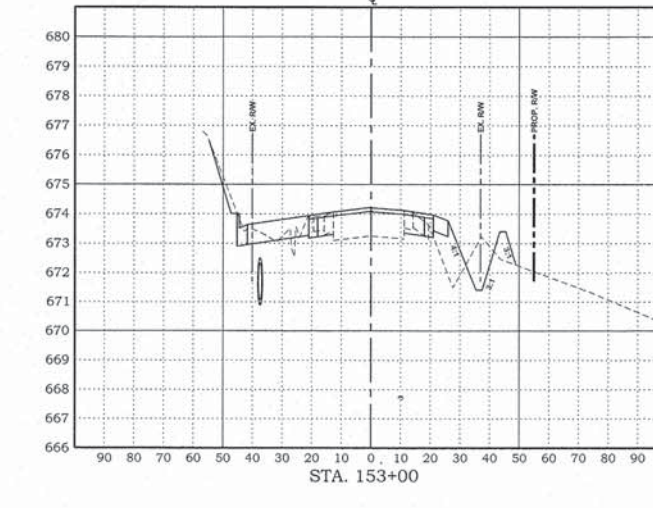
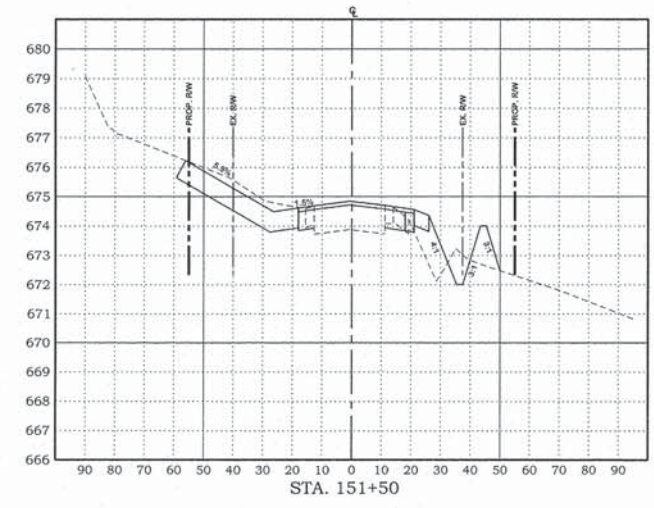
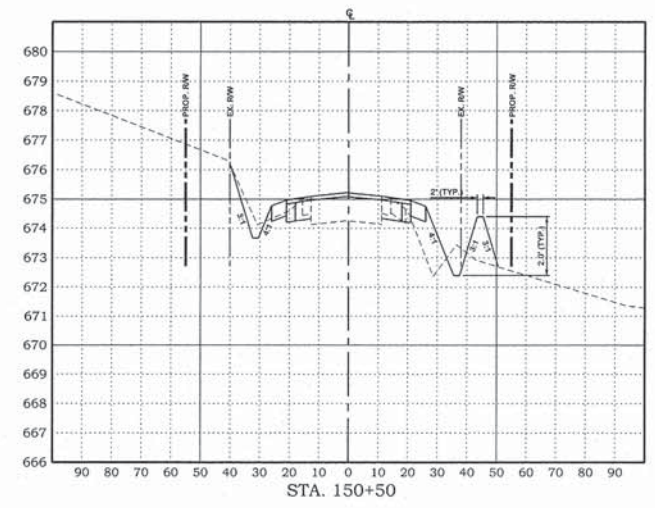
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 330 NORTH CENTRAL AVENUE
 PARIS, ILLINOIS 61944
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SCALES	DRAWN	TIT
PLAN : HOR. 1"=30'	DATE	1/25/16
VERT. 1"=3'	CHECKED	
REVISION	DATE	APPROVED
REVISION	DATE	DATE

FRANCIS ASSOC.
 FILE NO.
P-477-3

CROSS-SECTIONS - ILLINOIS ROUTE 1 (US ROUTE 150)
 1200th RD (HIGH SCHOOL RD) and US ROUTE 150 / IL ROUTE 1 INTERSECTION
 CITY OF PARIS - ILLINOIS - EDGAR COUNTY



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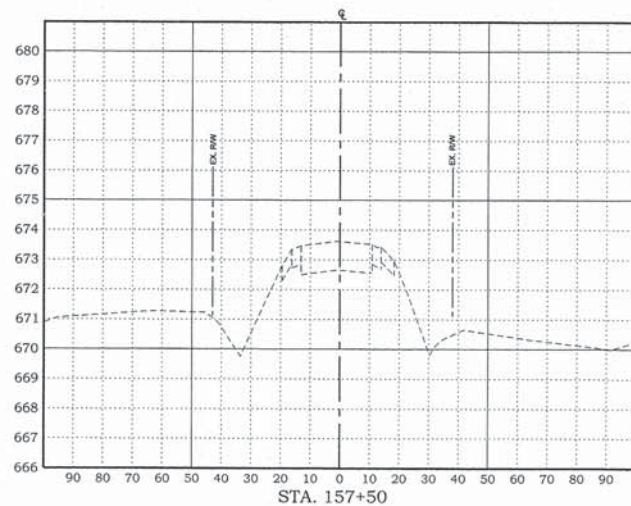
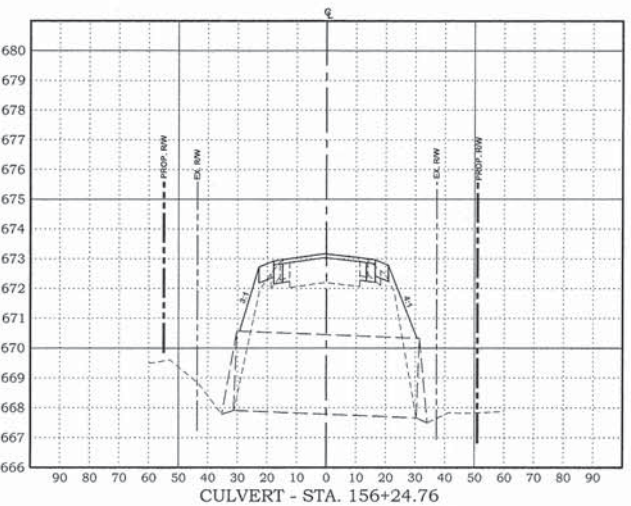
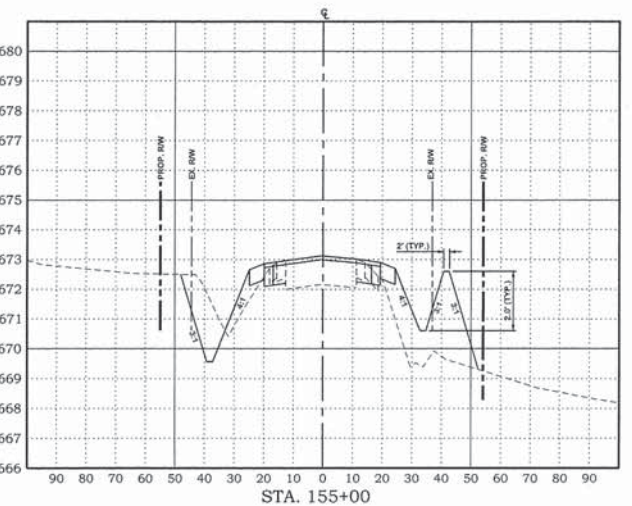
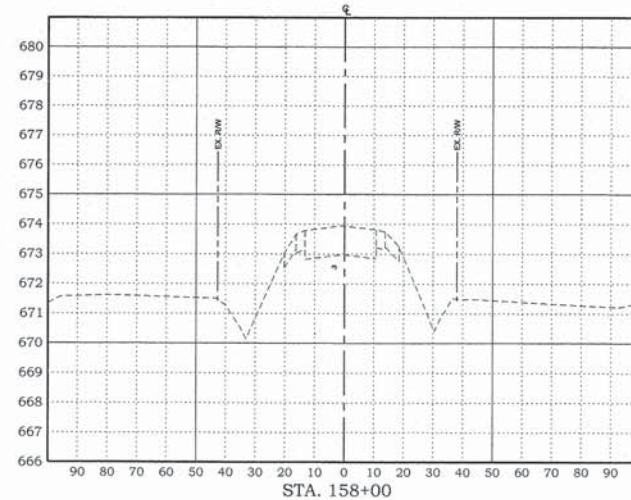
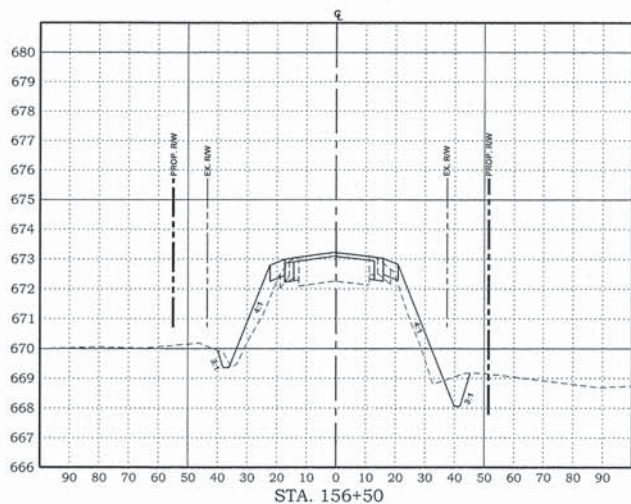
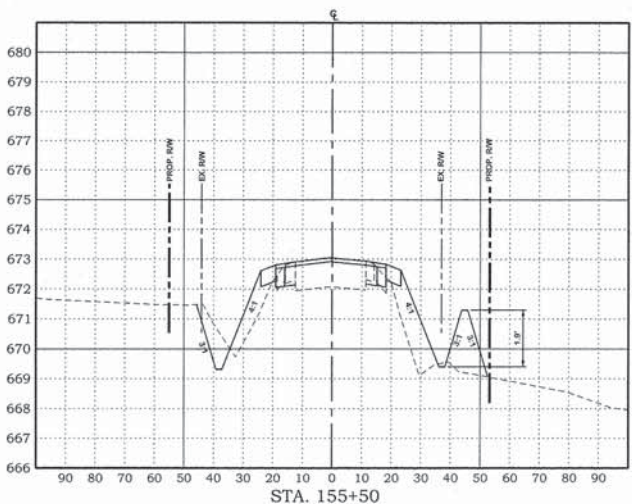
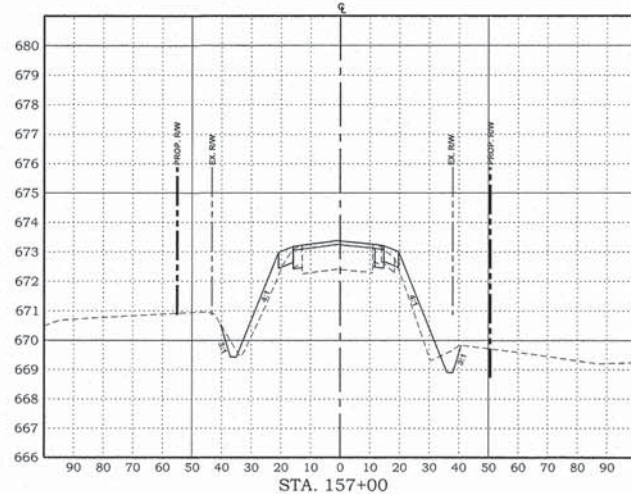
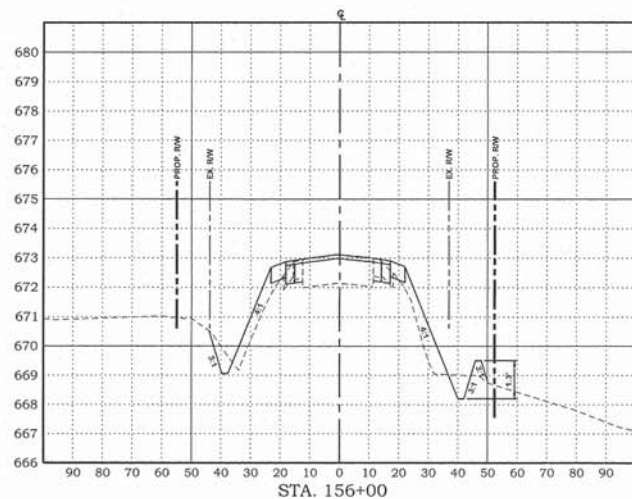
FRANCIS ASSOCIATES
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 330 NORTH CENTRAL AVENUE
 PARIS, ILLINOIS 61944
 PH. (217) 465-5306
 PROFESSIONAL DESIGN FIRM #184-001406



SCALES	DRAWN: TLT
PLAN: HOR. 1"=30'	DATE: 1/25/16
VERT. 1"=3'	CHECKED: _____
REVISD: _____	DATE: _____
REVISD: _____	DATE: _____
REVISD: _____	DATE: _____

FRANCIS ASSOC.
 FILE NO.
P-477-3

CROSS-SECTIONS - ILLINOIS ROUTE 1 (US ROUTE 150)
 1200th RD (HIGH SCHOOL RD) and US ROUTE 150 / IL ROUTE 1 INTERSECTION
 CITY OF PARIS - ILLINOIS - EDGAR COUNTY



P:\New Projects\477-3 1200th Rd and RTE 1\Cross-Section sheets.dgn



FRANCIS ASSOCIATES
 CONSULTING ENGINEERS
 LAND SURVEYORS
 330 NORTH CENTRAL AVENUE
 PARIS, ILLINOIS 61944
 PH: (217) 465-5306
 PROFESSIONAL DESIGN FIRM #184-001406



SCALES
 PLAN : HOR. 1"=30'
 VERT. 1"=3'

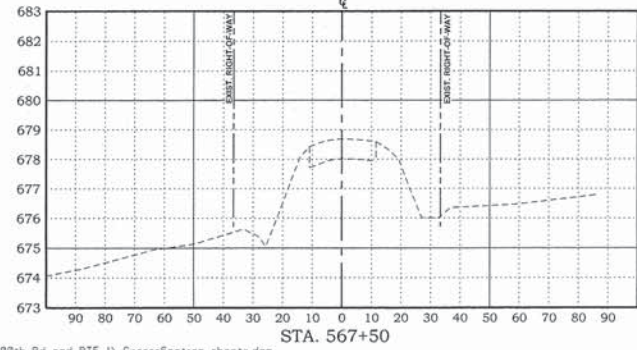
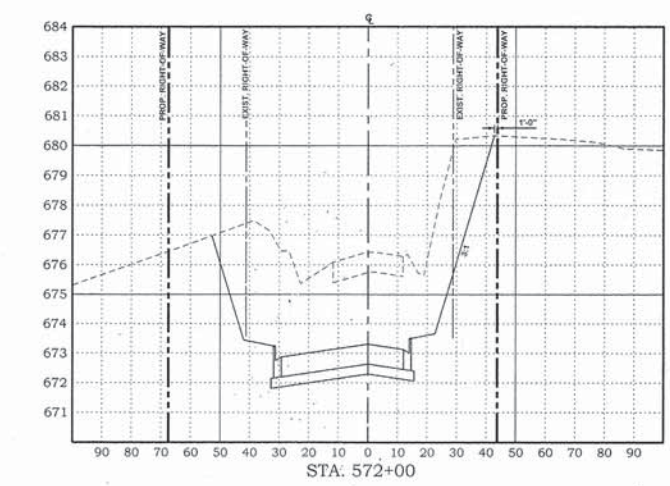
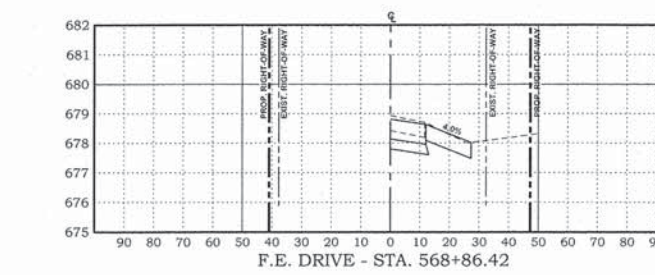
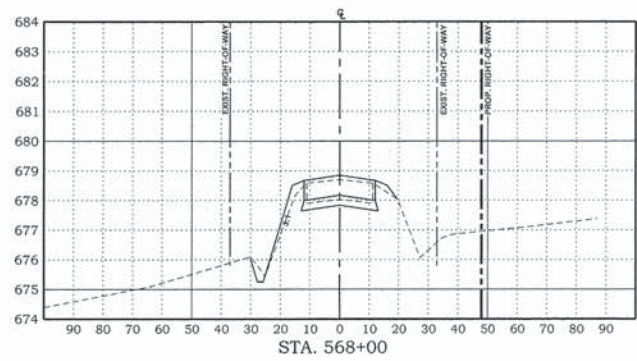
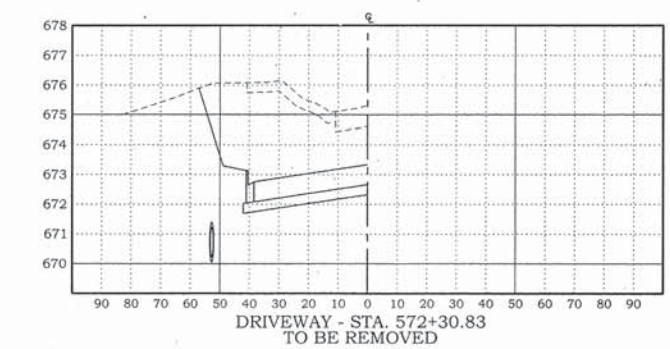
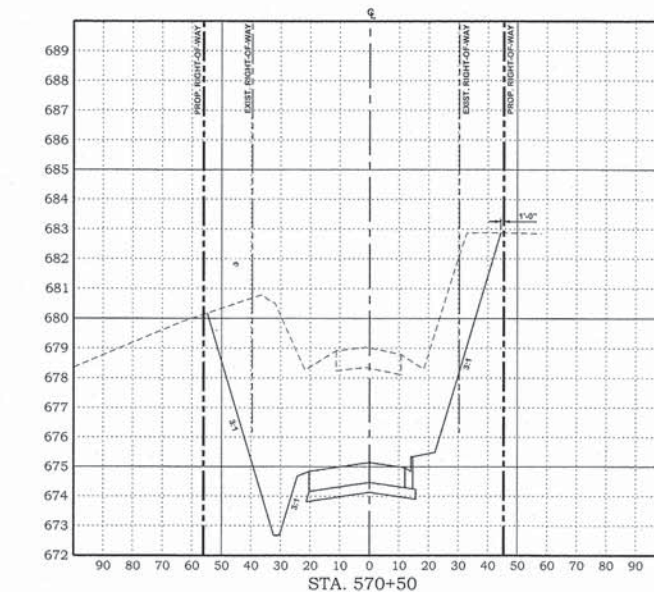
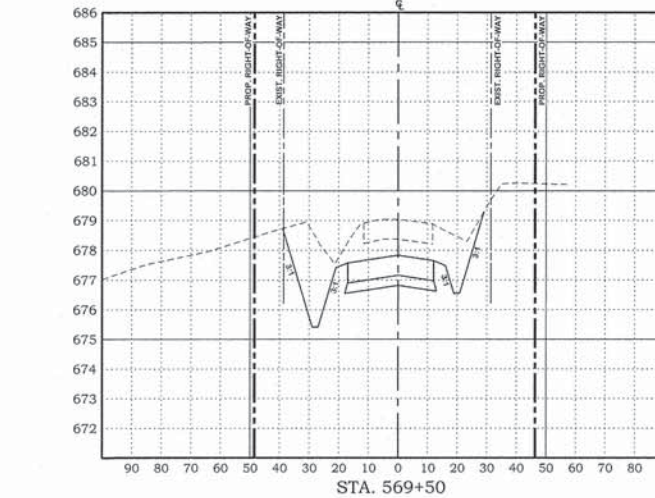
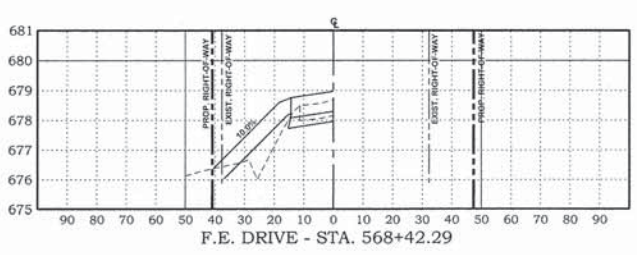
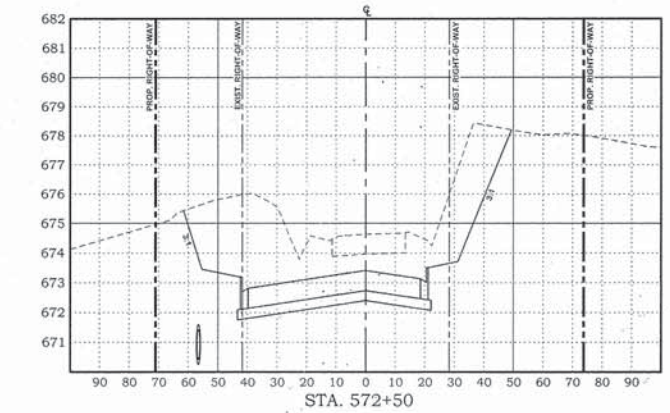
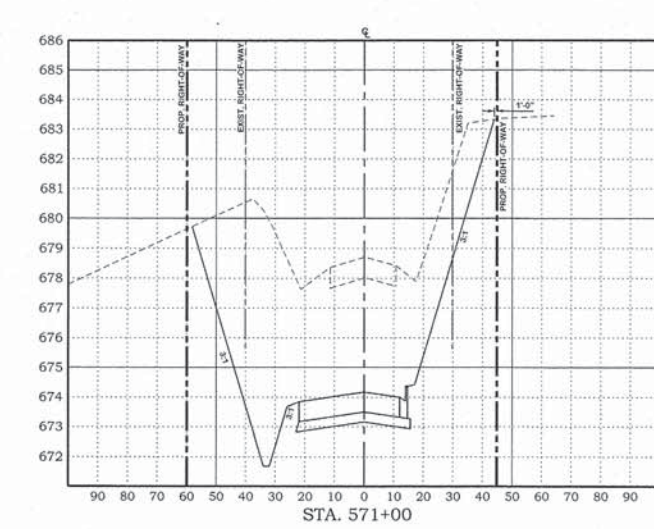
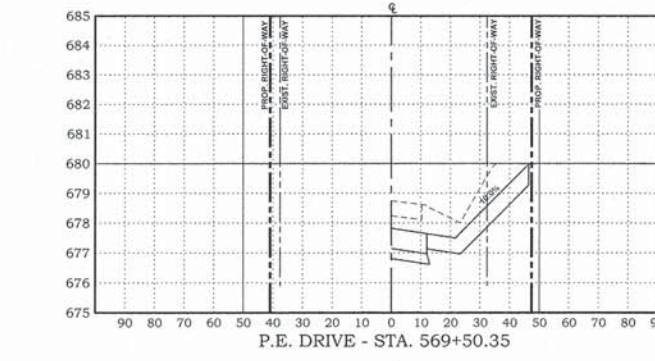
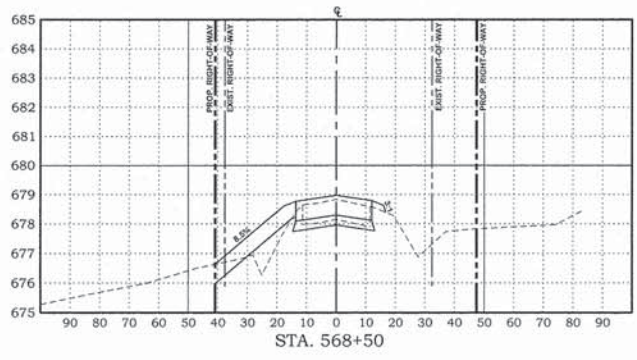
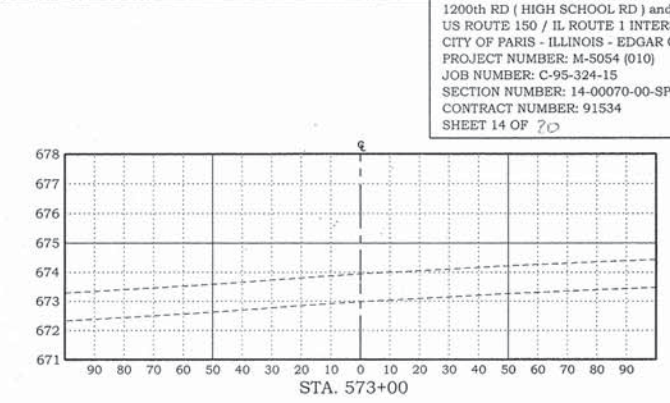
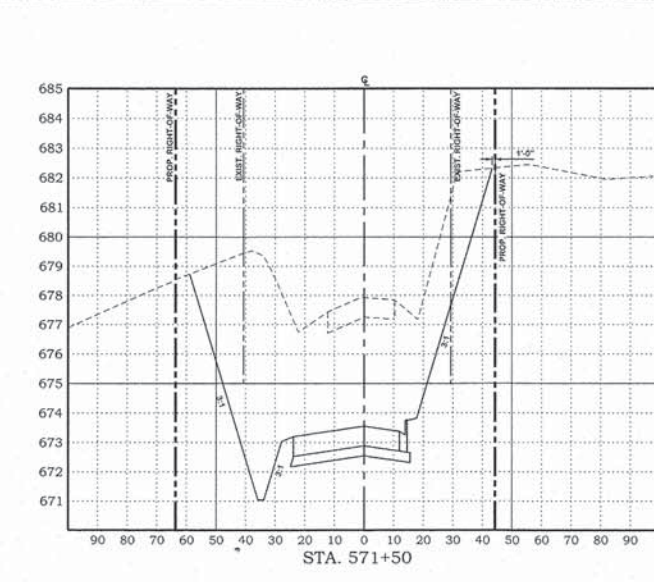
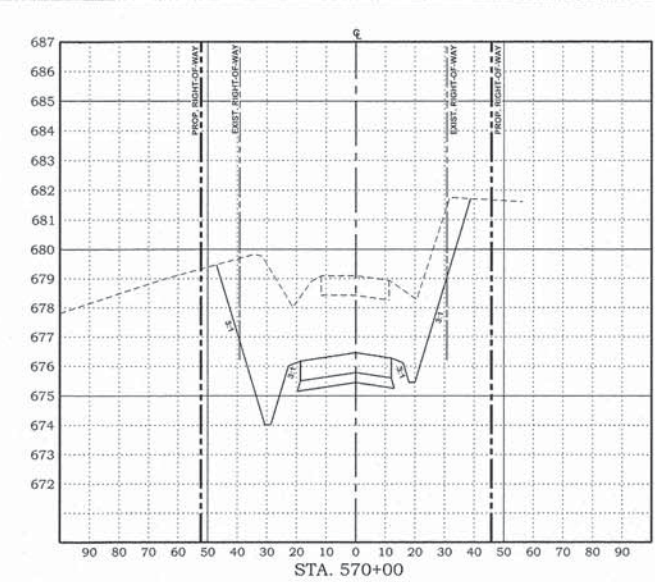
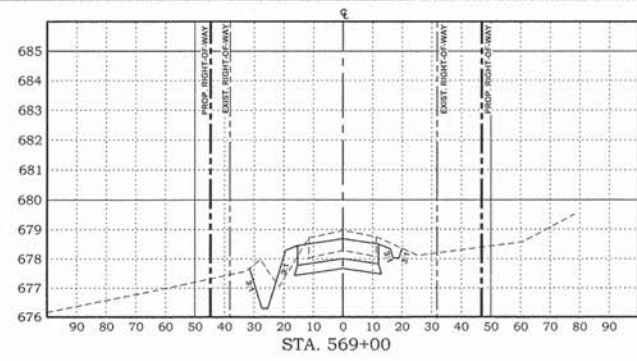
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 DATE: 1/25/16
 CHECKED: _____
 DATE: _____
 APPROVED: _____
 DATE: _____
 REVISED: _____
 DATE: _____

FRANCIS ASSOC.
 FILE NO.
P-477-3

CROSS-SECTIONS - ILLINOIS ROUTE 1 (US ROUTE 150)

1200th RD (HIGH SCHOOL RD) and US ROUTE 150 / IL ROUTE 1 INTERSECTION
 CITY OF PARIS - ILLINOIS - EDGAR COUNTY

SHEET NO.
13
 OF 20 SHEETS



SCALES	DRAWN DATE	TILT
PLAN : HOR. 1"=30'	1/25/16	
VERT. 1"=3'	CHECKED DATE	
REVISED DATE	APPROVED DATE	
REVISED DATE	REVISED DATE	

28000400
PERIMETER EROSION BARRIER

RT STA. 568+42 TO STA. 569+42	100	FOOT
LT STA. 567+75 TO STA. 568+75	120	FOOT
LT STA. 571+40 TO STA. 572+50	150	FOOT
RT STA. 144+60 TO STA. 146+80	220	FOOT
RT STA. 147+60 TO STA. 157+30	970	FOOT
LT STA. 154+00 TO STA. 154+30	60	FOOT
SHEET TOTAL =	1,620	FOOT

28000500
INLET AND PIPE PROTECTION

36' LT STA. 571+60	1	EACH
14' RT STA. 572+10	1	EACH
35' LT STA. 572+10	1	EACH
45' LT STA. 572+10	1	EACH
32' LT STA. 146+80	1	EACH
36' LT STA. 149+10	1	EACH
36' LT STA. 152+35	1	EACH
40' LT STA. 153+95	1	EACH
38' LT STA. 156+25	1	EACH
SHEET TOTAL =	9	EACH

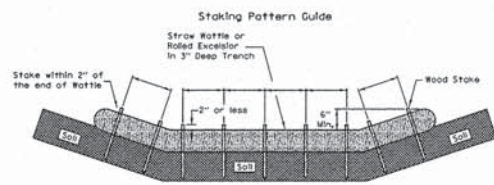
28000305
TEMPORARY DITCH CHECKS

RT STA. 155+40	8	FOOT
RT STA. 155+80	8	FOOT
RT STA. 156+70	8	FOOT
LT STA. 569+30	8	FOOT
LT STA. 569+60	8	FOOT
LT STA. 569+90	8	FOOT
LT STA. 570+20	8	FOOT
LT STA. 570+50	8	FOOT
LT STA. 571+00	8	FOOT
SHEET TOTAL =	72	FOOT

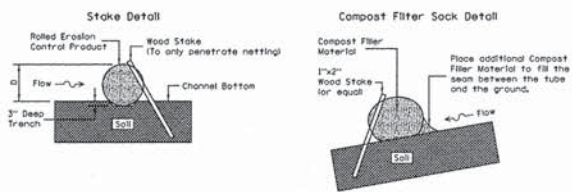
NOTES LEGEND

- ① INSTALL DITCH CHECK IN ACCORDANCE WITH IDOT HIGHWAY STANDARD 280001. LENGTH = 8'-0" (MIN.). MATERIAL SHALL BE ROLLED EXCELSIOR OR AS APPROVED BY ENGINEER. INSPECT EACH WEEK AND AFTER EACH RAIN EVENT OF MORE THAN 0.5 INCHES.
- ② SILT FENCE TO BE INSTALLED TO ALLOW ALL SURFACE DRAINAGE LEAVING THE SITE TO FLOW THROUGH THE FENCE. SILT FENCE TO BE INSTALLED PRIOR TO CONSTRUCTION. SILT FENCE SHALL REMAIN UNTIL PERMANENT GROUND COVER IS ESTABLISHED. INSPECT EACH WEEK AND AFTER EACH RAIN EVENT OF MORE THAN 0.5 INCHES.
- ③ NOT USED
- ④ INSTALL INLET AND PIPE PROTECTION IN ACCORDANCE WITH IDOT HIGHWAY STANDARD 280001. INSPECT EACH WEEK AND AFTER EACH RAIN EVENT OF MORE THAN 0.5 INCHES.

1200th RD (HIGH SCHOOL RD) and
US ROUTE 150 / IL ROUTE 1 INTERSECTION
CITY OF PARIS - ILLINOIS - EDGAR COUNTY
PROJECT NUMBER: M-5054 (010)
JOB NUMBER: C-95-324-15
SECTION NUMBER: 14-00070-00-SP
CONTRACT NUMBER: 91534
SHEET 15 OF 20

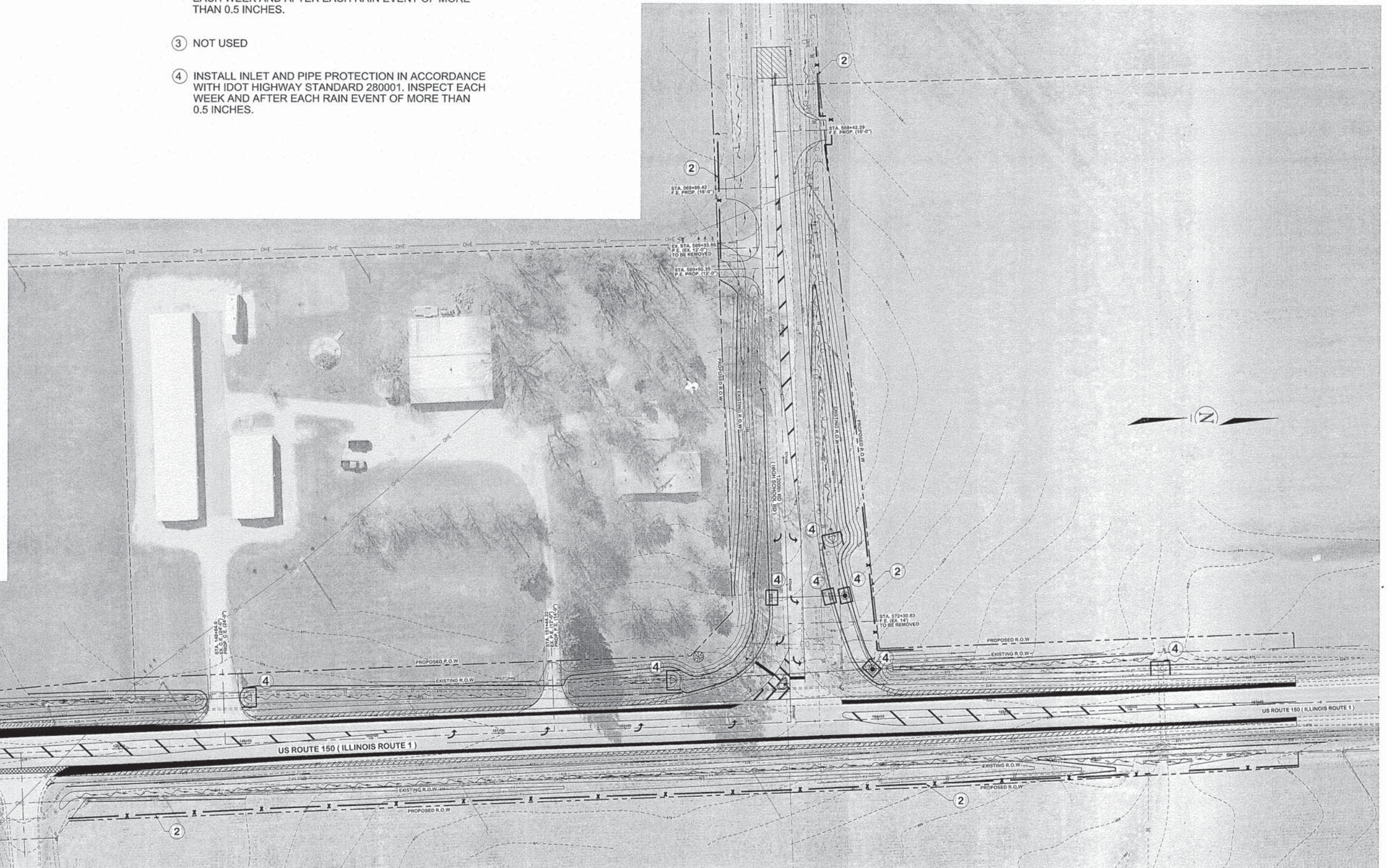


- Notes
1. Overlap minimum is the diameter of the roll.
 2. 4" spacing for wattles.
 3. 2" spacing for rolled excelsior.
 4. Or space according to manufacturer's specifications.



- Notes
1. Drawings are not to scale.
 2. Ends of wattles or rolled excelsior shall be turned at least 6" upslope.
 3. Recommended stakes are 1 1/2" wide x 1 1/2" thick x 30" long.
 4. Stakes shall not extend above the straw wattle more than 2".
 5. Spacing: The top of the upstream ditch check shall create a horizontal line with the top of the downstream ditch check.
 6. When compost filter sock ditch check is used, place a compost berm upstream of the filter sock use 10M 805. A trench is not required.

ROLLED EXCELSIOR FOR DITCH CHECK



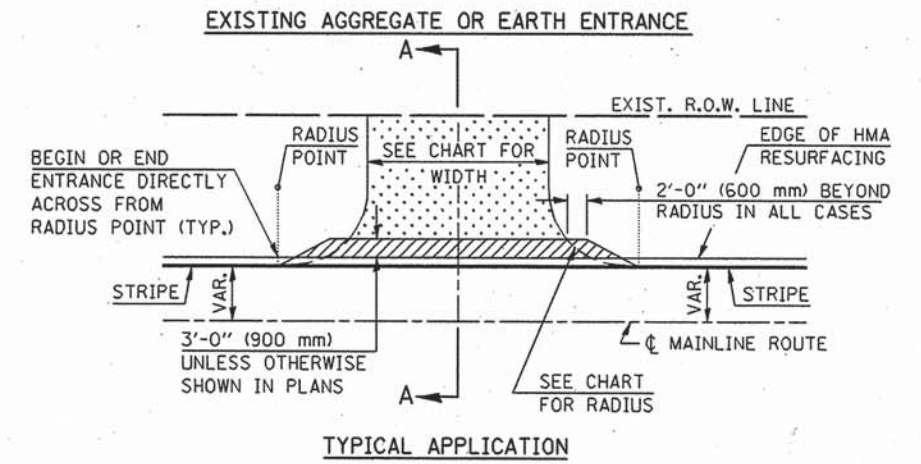
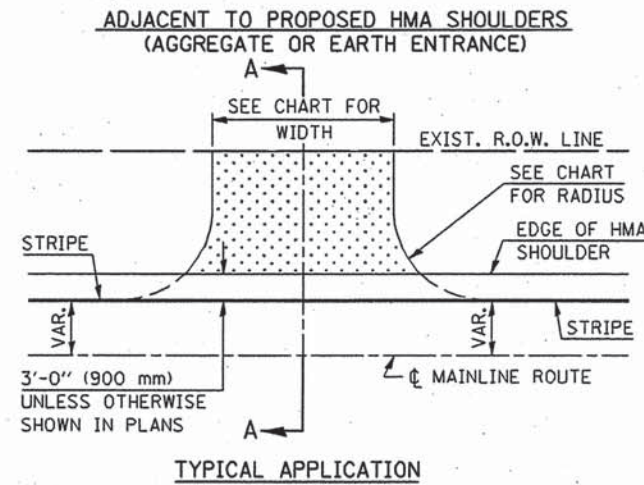
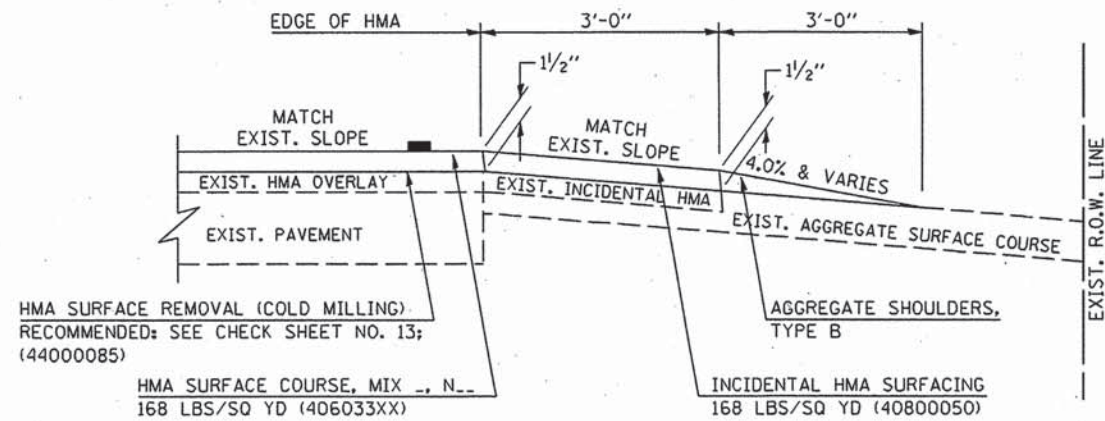
P:\New Projects\1477-3 1200th Rd and RTE 1, Erosion Control Plan.dgn

<p>FRANCIS ASSOCIATES CONSULTING ENGINEERS LAND SURVEYORS 330 NORTH CENTRAL AVENUE PARIS, ILLINOIS 61944 PH. (217) 465-5306 PROFESSIONAL DESIGN FIRM #184-001406</p>	<p>SCALES PLAN : 1"=40'</p>	<p>DRAWN: TLT DATE: 1/25/16 CHECKED: _____ DATE: _____ APPROVED: _____ DATE: _____ REVISED: _____ DATE: _____</p>	<p>FRANCIS ASSOC. FILE NO. P-477-3</p>	<p>EROSION CONTROL PLAN - ILLINOIS ROUTE 1 (US ROUTE 150) 1200th RD (HIGH SCHOOL RD) and US ROUTE 150 / IL ROUTE 1 INTERSECTION CITY OF PARIS - ILLINOIS - EDGAR COUNTY</p>	<p>SHEET NO. 15 OF 20 SHEETS</p>
	<p>FRANCIS ASSOCIATES CONSULTING ENGINEERS LAND SURVEYORS 330 NORTH CENTRAL AVENUE PARIS, ILLINOIS 61944 PH. (217) 465-5306 PROFESSIONAL DESIGN FIRM #184-001406</p>				

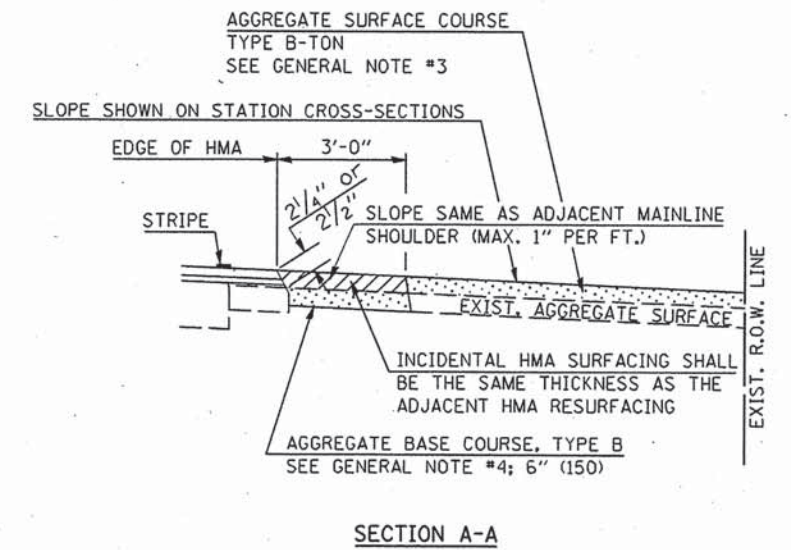
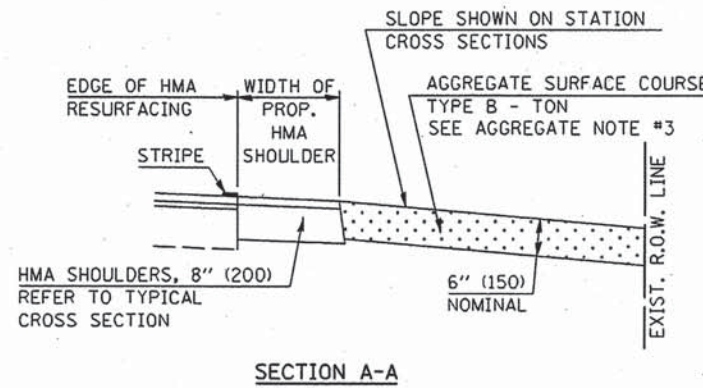
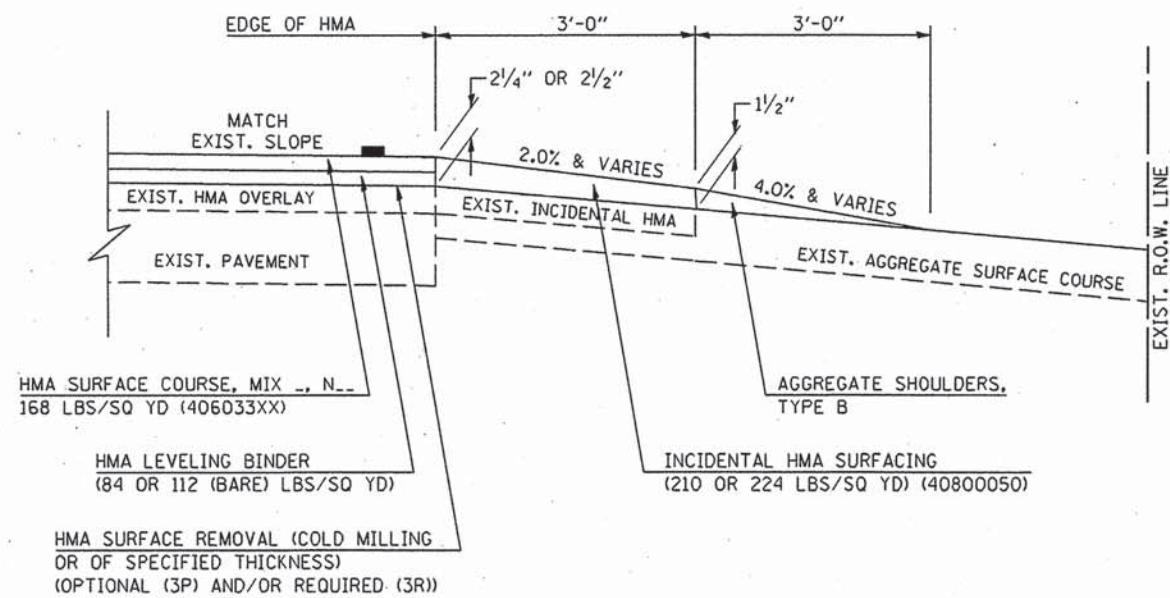
PROJECTS WITHOUT RECONSTRUCTION
 ("3R" WITHOUT RECONSTRUCTION, 3P, SMART AND CM)

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

S.M.A.R.T. IMPROVEMENTS
 (POLICY RESURFACING; BDE 53-4.03; 1 1/2")



"3P" OR "3R" IMPROVEMENTS
 (POLICY RESURFACING; BDE 53-4.02; 2 1/4" OR 2 1/2" ON BARE CONCRETE)



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

DESIGNER NOTE: SEE PLAN PREPARATION MEMORANDUM 40-09

FILE NAME =	USER NAME = craigre	DESIGNED -	REVISED - 12/01/06 TJB
c:\pwork\PMIDOT\CRAIGRE\d0101509\40800050.dgn		DRAWN -	REVISED - 09/21/07 KAG
		CHECKED -	REVISED - 04/30/08 KJT
		DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

FIELD ENTRANCES (NONCOMMERCIAL RURAL)

SCALE: NA SHEET NO. 1 OF 2 SHEETS STA. TO STA.

DISTRICT 5 DETAIL NO. 40800050A

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			20	16
CONTRACT NO. 21534				
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

DESIGNER NOTE: SEE PLAN PREPARATION MEMORANDUM 40-09

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 AND 40-11 ALONG WITH DISTRICT CONSTRUCTION MEMORANDUM 03/14 DISCUSS THIS PROCEDURE.

RURAL ENTRANCE DESIGN STANDARDS (PPM 40-09)																
DESIGN ELEMENT	NEW CONSTRUCTION & 3R with RECONSTRUCTION						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.

FILE NAME =	USER NAME = craigre	DESIGNED -	REVISED - 12/01/06 TJB
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		CHECKED -	REVISED - 04/30/08 KJT
		DATE -	REVISED -

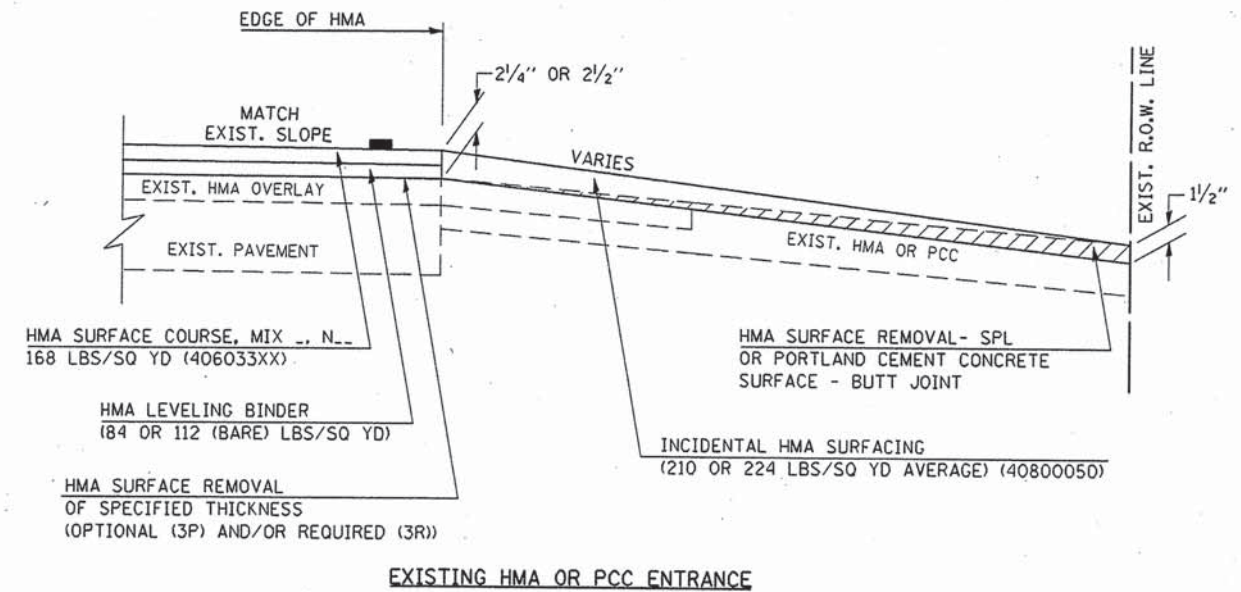
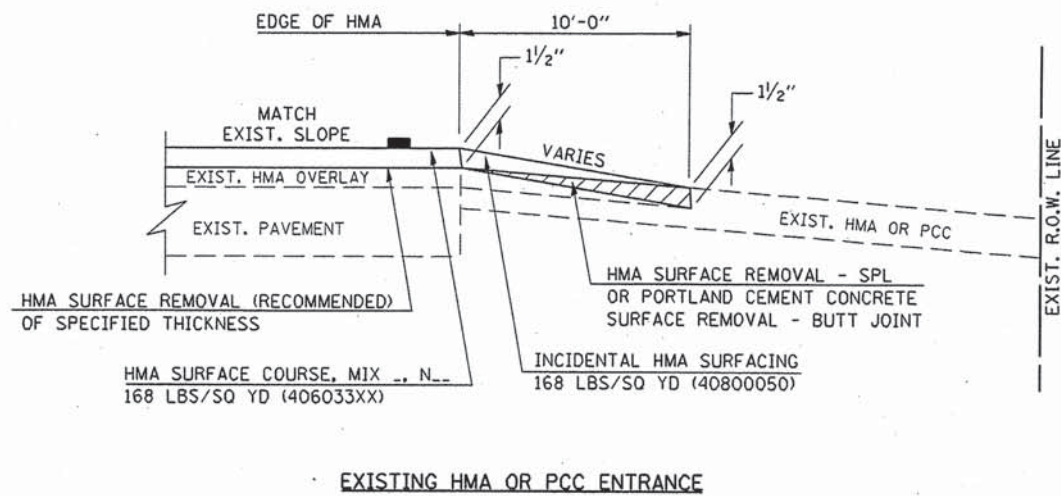
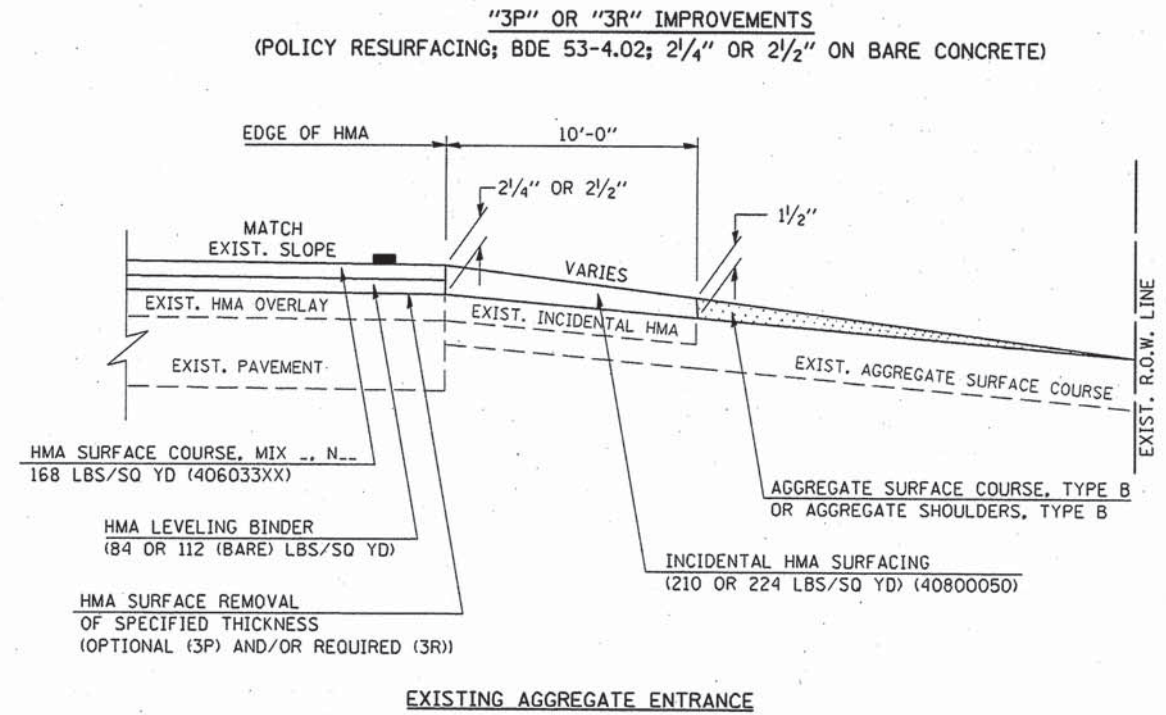
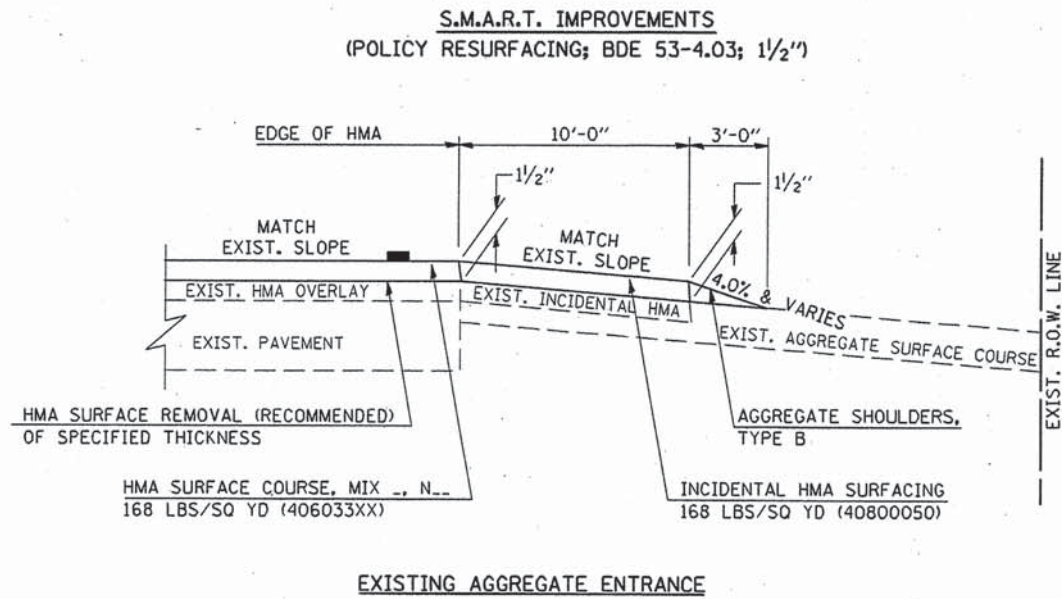
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

FIELD ENTRANCES (NONCOMMERCIAL RURAL)			
SCALE: NA	SHEET NO. 2 OF 2 SHEETS	STA.	TO STA.

DISTRICT 5 DETAIL NO. 40800050A				
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			20	17
			CONTRACT NO. 91524	
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

DESIGNER NOTE: SEE PLAN PREPARATION MEMORANDUM 40-09

PROJECTS WITHOUT RECONSTRUCTION



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

FILE NAME =	USER NAME = craigre	DESIGNED -	REVISED - 12/08/06 TJB
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		CHECKED -	REVISED - 05/02/08 KJT
		DATE -	REVISED - 04/23/10 KJT

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PRIVATE AND COMMERCIAL ENTRANCES
(NONCOMMERCIAL AND COMMERCIAL RURAL)**

DISTRICT 5 DETAIL NO. 40800050C

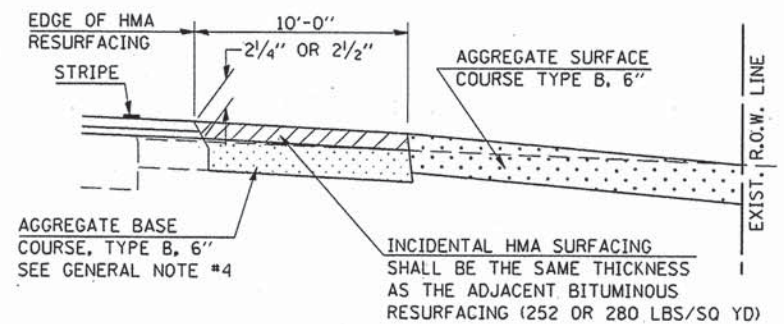
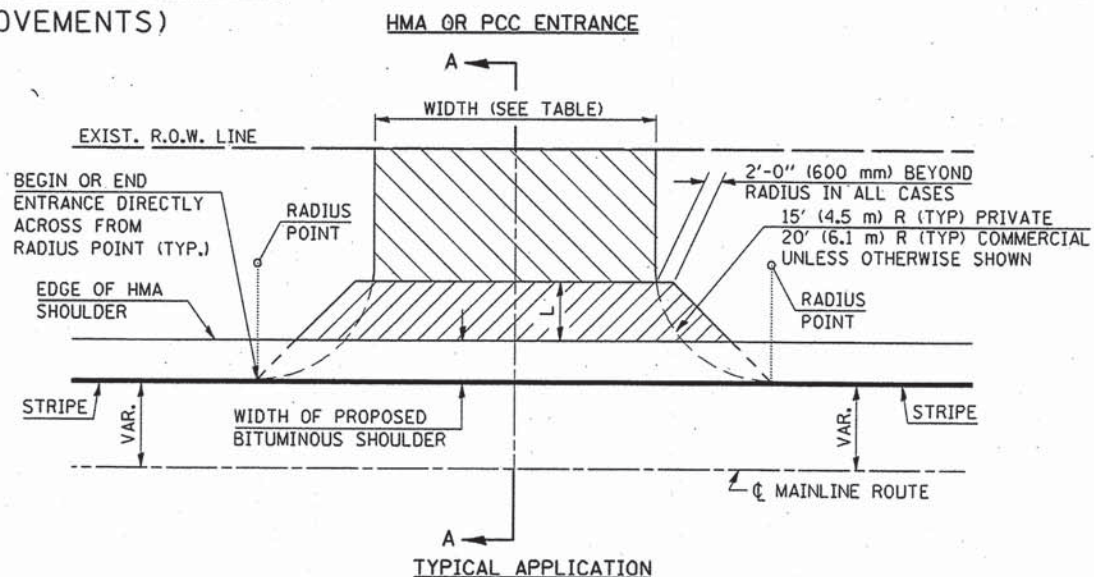
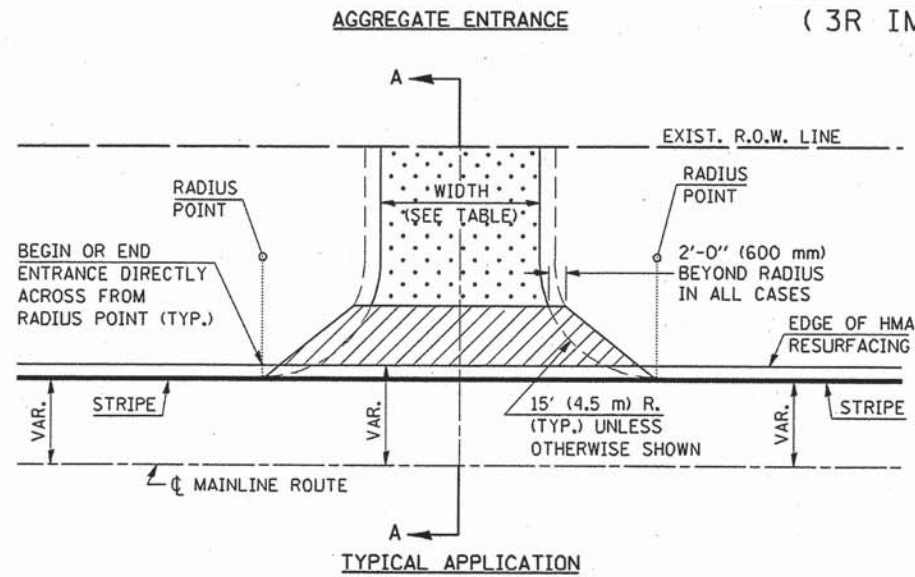
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			20	18
			CONTRACT NO. 01534	
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

SCALE: NA SHEET NO. 1 OF 2 SHEETS STA. TO STA.

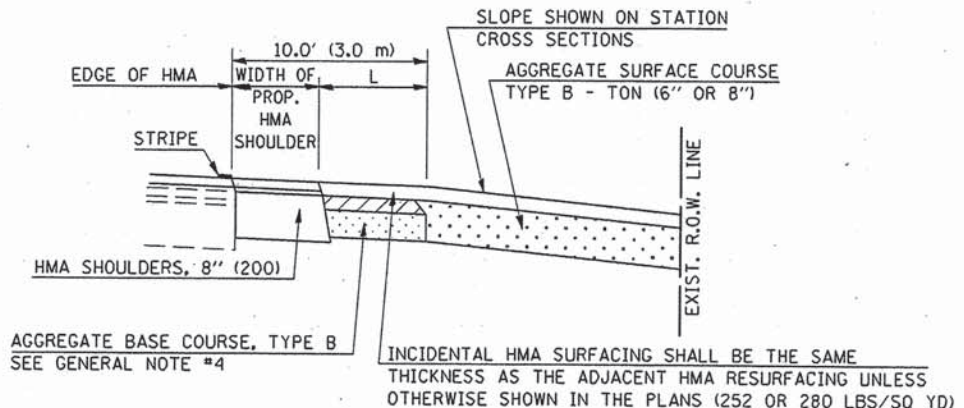
DESIGNER NOTE: SEE PLAN PREPARATION MEMORANDUM 40-09

PROJECTS WITH RECONSTRUCTION

(3R IMPROVEMENTS)



SECTION A-A



SECTION A-A
"HMA EXAMPLE"

GENERAL NOTES

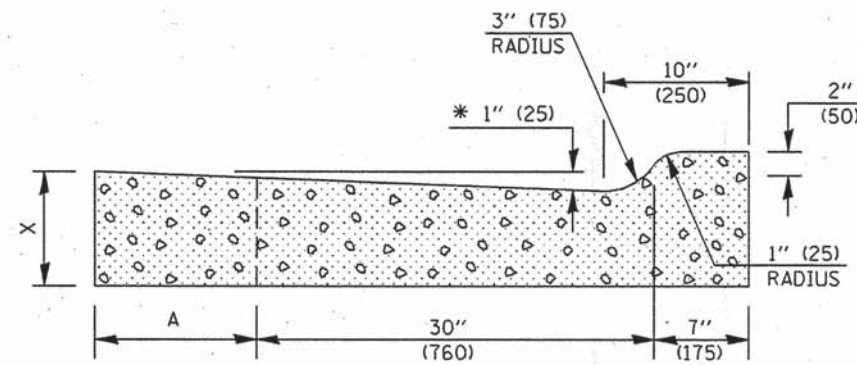
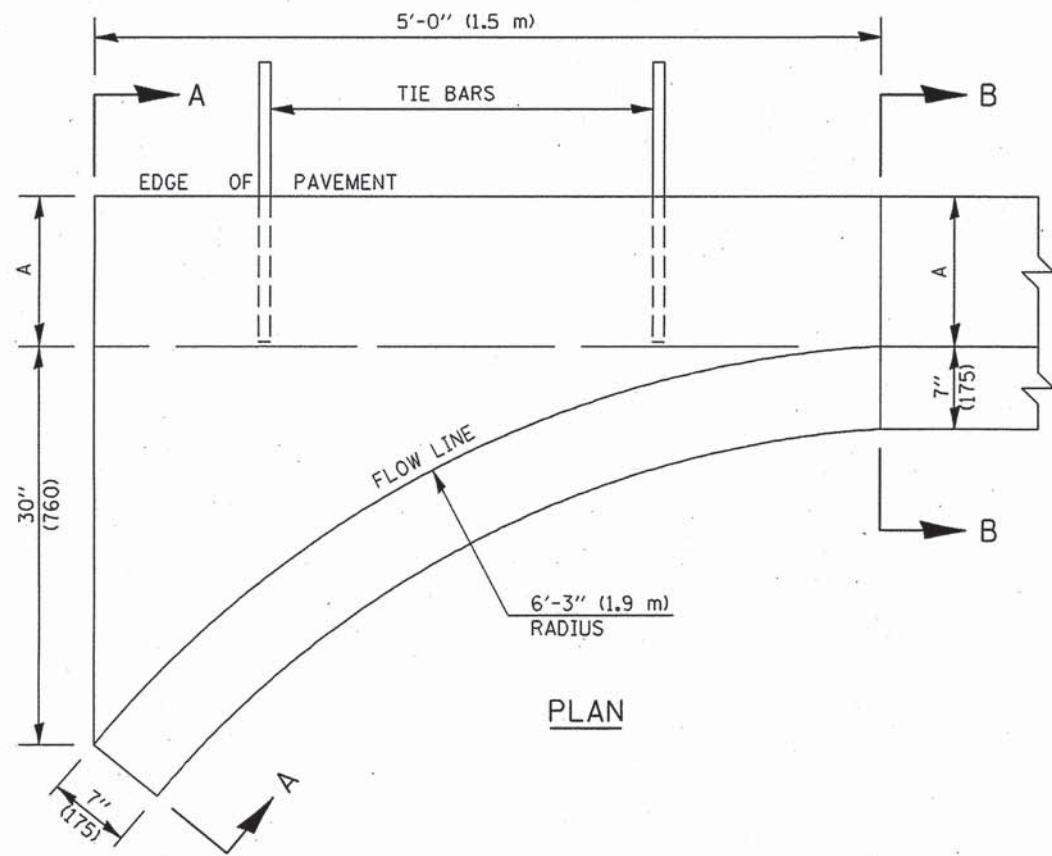
1. THE EXISTING SURFACE SHALL BE PREPARED IN ACCORDANCE WITH SECTION 408 OF THE STANDARD SPECIFICATIONS.
2. ANY NECESSARY WORK BEHIND THE HMA SHOULDER OR THE INCIDENTAL HMA SURFACING SHALL BE AS SHOWN IN THE PLANS AND/OR AS DIRECTED BY THE ENGINEER.
3. EARTH EXCAVATION REQUIRED FOR THE CONSTRUCTION OF 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. 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 AND 40-11 ALONG WITH DISTRICT CONSTRUCTION MEMORANDUM 03/14 DISCUSS THIS PROCEDURE.

RURAL ENTRANCE DESIGN STANDARDS (PPM 40-09)															
DESIGN ELEMENT	NEW CONSTRUCTION & 3R with RECONSTRUCTION						3R w/out RECONSTRUCTION, 3P, SMART & CM								
	NONCOMMERCIAL			FIELD W/ FARM IMPLEMENTS			COMMERCIAL			NONCOMMERCIAL			COMMERCIAL		
	PRIVATE & FIELD			min.	des.	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					
							2 LANE, 2 WAY			2 LANE, 2 WAY					
RADIUS (FT)	15	25	40	30			20	30	50	resurface existing configuration; existing hma or pcc entrances shall have "butt joints" constructed; 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	1:8	1:4	1:8	1:4	1:10	1:8	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" for "butt joints" and 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						

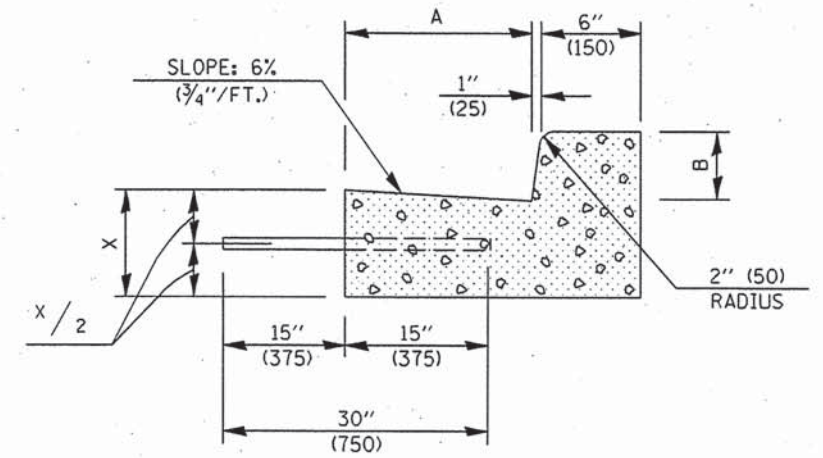
Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

FILE NAME =	USER NAME = craigre	DESIGNED -	REVISED - 12/08/06 TJB	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PRIVATE AND COMMERCIAL ENTRANCES (NONCOMMERCIAL AND COMMERCIAL RURAL)		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
cr:\p\work\PIWIDOT\CRAIGRE\08101509\40800500.dgn	DRAWN -	REVISED - 09/21/07 KAG										
PLOT SCALE = 40,0000 ' / IN.	CHECKED -	REVISED - 05/02/08 KJT										
PLOT DATE = 1/7/2010	DATE -	REVISED -										
					SCALE: NA	SHEET NO. 2 OF 2 SHEETS	STA.	TO STA.	CONTRACT NO. 91534			
							FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT				

DISTRICT 5 DETAIL NO. 4080050C



SECTION A-A



SECTION B-B

* INCREASE TO 2" (50 mm) WHERE IN THE PLANS IT IS SPECIFIED THAT THESE SPECIAL INLETS ARE TO BE CONSTRUCTED AS OUTLETS. ALL OUTLET LOCATIONS WILL BE CONFIRMED BY THE ENGINEER.

GENERAL NOTES

1. CLASS SI CONCRETE SHALL BE USED THROUGHOUT.
2. TIE BARS SHALL BE NO. 6 (NO. 20) AT 24" (600 mm) CENTERS UNLESS OTHERWISE SHOWN. SPECIAL INLETS AND OUTLETS SHALL BE TIED TO THE PAVEMENT IN ACCORDANCE WITH DETAILS FOR LONGITUDINAL CONSTRUCTION JOINT SHOWN ON STANDARD 420001.
3. TIE BARS SHOWN ABOVE WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED AS INCIDENTAL TO CLASS SI CONCRETE (OUTLET).
4. WHEN SPECIAL INLET IS CONSTRUCTED ADJACENT TO FLEXIBLE PAVEMENT, THE TIE BARS SHALL BE OMITTED AND ALL CONSTRUCTION JOINTS SHALL BE PROVIDED WITH A DOWEL BAR CONFORMING TO ARTICLE 1006.11(b).
5. THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER CU. YD. (m³) FOR CLASS SI CONCRETE (OUTLET) WHICH PRICE SHALL INCLUDE ALL LABOR AND MATERIAL AS SPECIFIED AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

	B-6.12 (B-15.30)	B-9.12 (B-22.30)	B-6.18 (B-15.45)	B-9.18 (B-22.45)	B-6.24 (B-15.60)	B-9.24 (B-22.60)
A	12" (300)	12" (300)	12" (300)	12" (300)	18" (450)	18" (450)
B	6" (150)	6" (150)	9" (225)	9" (225)	6" (150)	6" (150)
X	9" (225)	10" (250)	9" (225)	10" (250)	9" (225)	10" (250)
CU. YD. (m ³)	0.37 (0.28)	0.42 (0.32)	0.38 (0.29)	0.42 (0.32)	0.44 (0.34)	0.49 (0.37)
CLASS SI CONCRETE (OUTLET)	0.45 (0.34)	0.50 (0.38)	0.51 (0.39)	0.56 (0.43)	0.52 (0.40)	0.57 (0.44)

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