

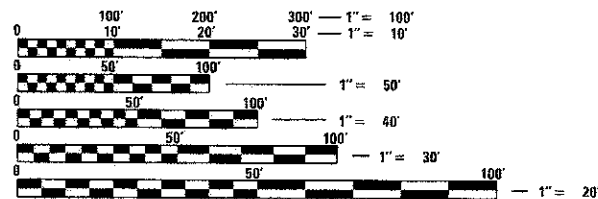
**PROJECT LOCATED IN
VILLAGE OF BOLINGBROOK**

INDEX OF SHEETS

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- 19 EROSION CONTROL DETAILS
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DESIGN DESIGNATION

MAJOR COLLECTOR
SPEED LIMIT = 30 MPH
TRAFFIC = 6,200 ADT (2010)



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

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

PROJECT MANAGER: MARK REZNICEK

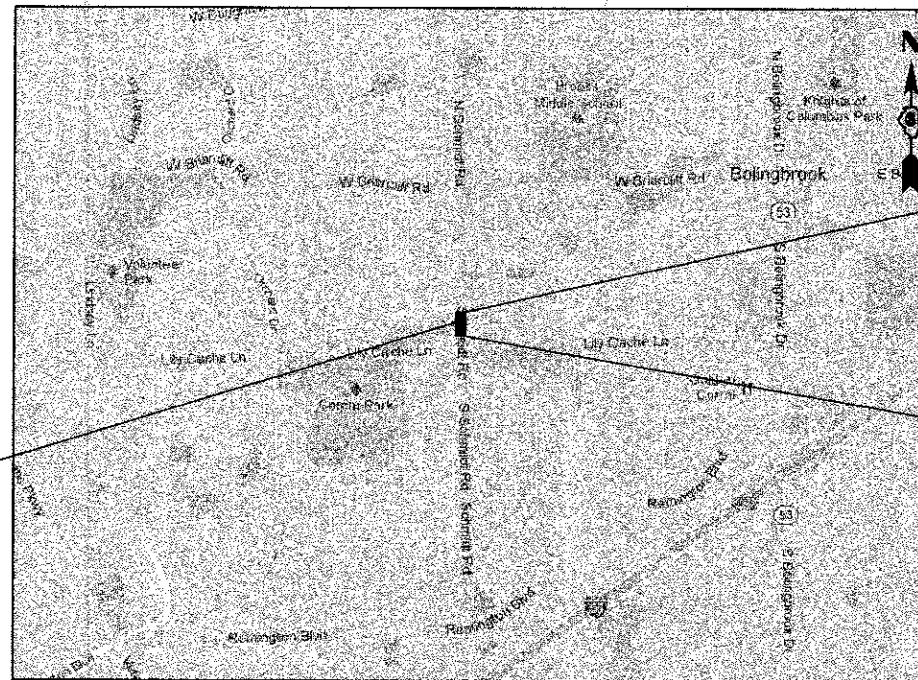
CONTRACT NO. 63797



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

**PROPOSED
HIGHWAY PLANS**

FAU 2571 (SCHMIDT ROAD)
AT LILY CACHE CREEK
CULVERT REPLACEMENT
SECTION: 09-00053-00-BR
PROJECT: BRM-9003(520)
VILLAGE OF BOLINGBROOK
WILL COUNTY
C-91-147-10



SN: 099-6055
STA.: 14 + 54

PROJECT ENDS
STA.: 15 + 90

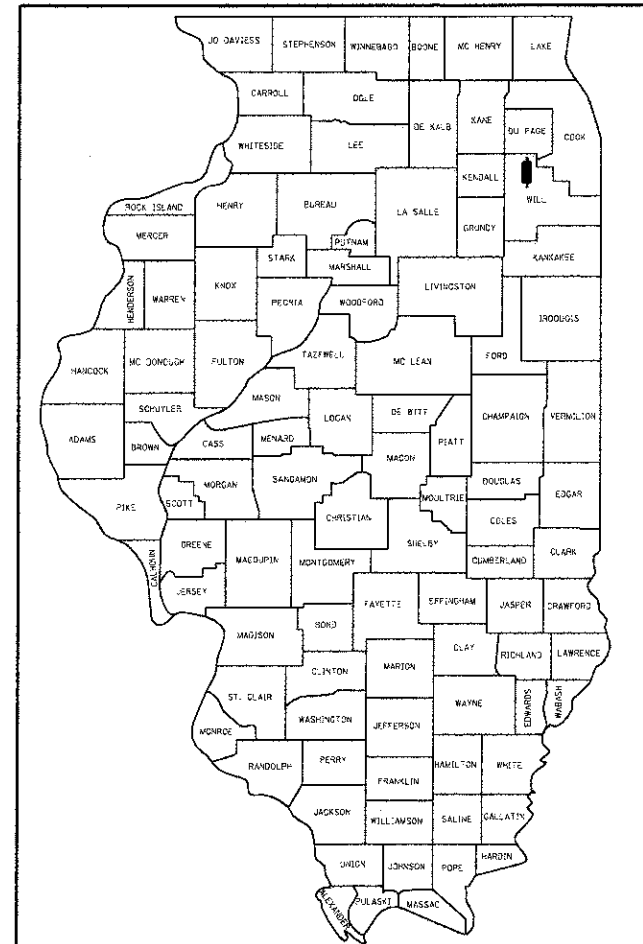
PROJECT BEGINS
STA.: 13 + 09

LOCATION MAP

GROSS LENGTH = 281 FT. = 0.053 MILE
NET LENGTH = 281 FT. = 0.053 MILE

ESI ESI CONSULTANTS, LTD
1974 NORTH MILL STREET
NAPERVILLE, IL 60563
(630) 420-1700
WWW.ESICONSULTANTS.LTD.COM
ILLINOIS DEPARTMENT OF PROFESSIONAL REGULATION REGISTRATION #184-023685
** THIS DOCUMENT IS THE PROPERTY OF ESI CONSULTANTS, LTD, AND NO PART HEREIN SHALL BE USED **
EXCEPT FOR THIS SPECIFIC PROJECT WITHOUT THE WRITTEN CONSENT OF ESI CONSULTANTS, LTD.

F.A.U. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
2571	09-00053-00-BR	WILL	25	1
		ILLINOIS	CONTRACT NO 63797	



LOCATION OF SECTION INDICATED THIS: -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

APPROVED February 20 2013
Michael D. Wren
VILLAGE OF BOLINGBROOK, VILLAGE ENGINEER

PASSED 2/24 2013
C. J. Holt
DISTRICT 1 ENGINEER OF LOCAL ROADS & STREETS

RELEASING FOR BID BASED ON LIMITED REVIEW February 28 2013
John F. ...
DEPUTY DIRECTOR OF HIGHWAYS, REGION 1 ENGINEER

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



PROFESSIONAL ENGINEER'S CERTIFICATION
HEREBY CERTIFY THAT THIS SUBMISSION WAS PREPARED UNDER MY PERSONAL DIRECTION. THIS TECHNICAL SUBMISSION IS INTENDED TO BE USED AS AN INTEGRAL PART OF AND IN CONJUNCTION WITH THE PROJECT SPECIFICATIONS AND CONTRACT DOCUMENTS.
DATED THIS 4TH DAY OF February, 2013
Mark A. Reznicek
MARK A. REZNICEK
ILLINOIS REG. PROF. ENGINEER NO. 082-048136 EXPIRATION DATE 11-30-2013

PROGRAM AND OFFICE ENGINEER: CHARLES F. RIDDLE (847) 705-4406

PRINTED DATE: 7/17/2013
FILE NAME: K:\Projects\09-00053-00-BR\09-00053-00-BR.dwg

GENERAL NOTES

- LOCATION OF EXISTING UTILITIES SHOWN ON PLANS ARE BASED ON RECORD INFORMATION AND ARE APPROXIMATE ONLY AND ARE NOT NECESSARILY COMPLETE. CONTRACTOR SHALL MAKE HIS OWN INVESTIGATIONS AS TO LOCATION OF ALL EXISTING UNDERGROUND STRUCTURES, CABLES, AND PIPELINES.
- ALL ROAD SIGNS, STREET SIGNS, AND TRAFFIC SIGNS WHICH NEED TO BE RELOCATED OR MOVED DUE TO CONSTRUCTION SHALL BE TAKEN DOWN AND STORED BY THE CONTRACTOR EXCEPT THOSE THAT ARE NECESSARY FOR PROPER TRAFFIC CONTROL WHICH SHALL BE TEMPORARILY RESET UNTIL COMPLETION OF CONSTRUCTION OPERATIONS. AFTER COMPLETION OF THE WORK, THE CONTRACTOR SHALL RESET ALL SAID SIGNS. THE WORK SHALL BE IN ACCORDANCE WITH ARTICLE 107.25.
- SPECIAL ATTENTION IS DRAWN ARTICLE 105.06 OF THE STANDARD SPECIFICATIONS REQUIRES THE CONTRACTOR TO HAVE A COMPETENT SUPERINTENDENT ON THE PROJECT SITE AT ALL TIMES, IRRESPECTIVE OF THE AMOUNT OF WORK SUBLET. THE SUPERINTENDENT SHALL BE CAPABLE OF READING AND UNDERSTANDING THE PLANS AND SPECIFICATIONS, SHALL HAVE FULL AUTHORITY TO EXECUTE ORDERS TO EXPEDITE THE PROJECT, SHALL BE RESPONSIBLE FOR SCHEDULING AND HAVE CONTROL OF ALL WORK AS THE AGENT OF THE CONTRACTOR. FAILURE TO COMPLY WITH THIS PROVISION WILL RESULT IN A SUSPENSION OF WORK AS PROVIDED IN ARTICLE 108.08.
- THE UNIT PRICE FOR ALL REMOVAL PAY ITEMS SHALL INCLUDE ALL REQUIRED SAW CUTS.
- ALL WORK PERFORMED RELATIVE TO THIS IMPROVEMENT SHALL COMPLY WITH ALL APPLICABLE RULES AND REGULATIONS OF O.S.H.A. IN ACCORDANCE WITH ARTICLE 107.01.
- BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE" AT 800-892-0123 OR 811 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE, AND GAS FACILITIES. (48 HOUR NOTIFICATION IS REQUIRED)
- 10 FEET TRANSITIONS SHALL BE USED TO MATCH PROPOSED CURB & GUTTER AND MEDIAN ITEMS OF WORK TO EXISTING CURBS & GUTTERS AND MEDIANS IN THE FIELD, UNLESS OTHERWISE SHOWN, THE TRANSITIONS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR THE PROPOSED ITEMS OF WORK SPECIFIED.
- WHEN MILLED PAVEMENT IS OPEN TO TRAFFIC THE MAXIMUM GRADE DIFFERENTIAL BETWEEN PASSES OF THE MILLING MACHINE SHALL NOT EXCEED 2 INCHES (50 MM), WITH WRITTEN APPROVAL FROM THE ENGINEER, A MAXIMUM GRADE DIFFERENTIAL OF 3-1/2 INCHES (85 MM) MAY BE ALLOWED IF THE EDGE OF THE MILLING IS SLOPED A MINIMUM 1:3 (V:H).
- BUTT JOINTS WILL BE INSTALLED AT THE ENDS OF RESURFACING (WHERE THE RESURFACING MEETS EXISTING PAVEMENT) ACCORDING TO THE IDOT DETAIL FOR "BUTT JOINT DETAIL".
- WHENEVER, DURING CONSTRUCTION OPERATIONS ANY LOOSE MATERIAL IS DEPOSITED IN THE FLOW LINE OF DRAINAGE STRUCTURES SUCH THAT THE NATURAL FLOW OF WATER IS OBSTRUCTED, IT SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY AT THE CONCLUSION OF CONSTRUCTION OPERATIONS. ALL DRAINAGE STRUCTURES SHALL BE FREE FROM DIRT AND DEBRIS. THE WORK SPECIFIED ABOVE WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED AS INCLUDED IN THE CONTRACT PAY ITEMS.
- SHOULD ANY DAMAGES OCCUR DUE TO THE CONTRACTOR'S NEGLIGENCE, THE CONTRACTOR, IN ACCORDANCE WITH ARTICLES 107.20 AND 105.07, SHALL MAKE REPAIRS IN A MANNER ACCEPTABLE TO THE ENGINEER. THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES OF HIS CONSTRUCTION SCHEDULE AND COORDINATE CONSTRUCTION OPERATIONS WITH THE UTILITY COMPANIES SO THAT RELOCATION OF UTILITY LINES AND STRUCTURES MAY PROCEED IN AN ORDERLY MANNER.
- UNLESS AUTHORIZED BY THE ENGINEER, ALL EXISTING ACCESS ENTRANCES SHALL BE MAINTAINED AT ALL TIMES BY THE CONTRACTOR.
- THE CONTRACTOR WILL BE REQUIRED, AT HIS EXPENSE, TO HAVE AVAILABLE A WATER TRUCK OR SIMILAR EQUIPMENT TO CONTROL DUST. IF NECESSARY, THE CONTRACTOR SHALL BE REQUIRED TO CONTROL DUST DURING NONWORKING HOURS. THIS WORK IS INCLUDED IN THE CONTRACT UNIT PRICE FOR PAVEMENT REMOVAL.
- ALL EXCESS MATERIAL (BROKEN CONCRETE, CULVERT PIPE, WASTE ROADWAY EXCAVATION, SURPLUS MATERIAL FROM SEWER TRENCHES, ETC.) SHALL BE LEGALLY DISPOSED OF OUTSIDE THE LIMITS OF THE RIGHT OF WAY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO SELECT DUMP SITES AND OBTAIN PERMISSION AND ALL NECESSARY PERMITS TO USE SUCH DUMP SITES. PAYMENT FOR THIS WORK SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR PAVEMENT REMOVAL.
- THE CONTRACTOR SHALL RECORD FOR FUTURE REFERENCE, ALL EXISTING PAVEMENT MARKING LINES (AND RECESSED REFLECTIVE PAVEMENT MARKERS) SO THESE LOCATIONS CAN BE VERIFIED FOR PROPOSED STRIPING. LOCATIONS OF ALL PROPOSED PAVEMENT MARKINGS SHALL BE AS SHOWN ON THE PLANS.
- ALL PAVEMENT PATCHING LOCATIONS, COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT LOCATIONS, AND SIDEWALK REMOVAL AND REPLACEMENT LOCATIONS, SHALL BE DETERMINED BY THE ENGINEER.
- THE CONTRACTOR SHALL CONTACT THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR AT (847) 705-4470 A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
- THE CONTRACTOR SHALL MILL BEFORE PATCHING.
- FERTILIZER NUTRIENT WAS CALCULATED AT 90 LBS/ACRE. BITUMINOUS MATERIALS (PRIME COAT) WAS CALCULATED AT 0.38 GAL/SOYD. AGGREGATE (PRIME COAT) WAS CALCULATED AT 4 LBS/SOYD.
- MIXTURE FOR CRACKS, JOINTS AND FLANGEWAYS: AN ESTIMATED QUANTITY BASED ON FIELD OBSERVATION HAS BEEN INCLUDED IN THE CONTRACT. THE LOCATIONS AND LIMITS OF ALL JOINT OR CRACK FILLING SHALL BE DETERMINED BY THE ENGINEER AT THE TIME OF CONSTRUCTION. IF THE MIXTURE FOR CRACKS, JOINTS AND FLANGEWAYS IS NOT REQUIRED, THE QUANTITY SHALL BE DEDUCTED AND NO ADDITIONAL COMPENSATION WILL BE DUE TO THE CONTRACTOR.
- CONTRACTOR SHALL NOT COMMENCE WORK BEFORE 7 AM, MONDAY THRU FRIDAY AND NOT BEFORE 8 AM ON WEEKENDS AND HOLIDAYS.

DENOTES ITEM OR WORK INCLUDED IN THE COST OF OTHER ITEMS

BENCHMARKS

BM #1

EAST BOLT OF FIRE HYDRANT 337' N/O
LILY CACHE LANE ON SCHMIDT ROAD
N: 1830339.322
E: 1051462.572
ELEV: 673.88

BM #2

SOUTH BOLT OF FIRE HYDRANT WITH TAG
AT THE SW CORNER OF THE INTERSECTION OF
SCHMIDT ROAD AND OLD STONE ROAD
N: 1830623.139
E: 1051368.417
ELEV: 680.22

HIGHWAY STANDARDS

- 000001-06 STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
- 001001-02 AREAS OF REINFORCEMENT BARS
- 001006 DECIMAL OF AN INCH AND OF A FOOT
- 280001-07 TEMPORARY EROSION CONTROL SYSTEMS
- 420001-07 PAVEMENT JOINTS
- 515001-03 NAME PLATE FOR BRIDGES
- 606001-05 CONCRETE CURB & COMBINATION CURB & GUTTER
- 701001-02 OFF-ROAD OPERATIONS, 2L, 2W, MORE THAN 15' AWAY
- 701006-04 OFF-ROAD OPERATIONS, 2L, 2W, 15' TO 24" FROM PAVEMENT EDGE
- 701011-03 OFF-ROAD MOVING OPERATIONS, 2L, 2W, DAY ONLY
- 701301-04 LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
- 701311-03 LANE CLOSURE, 2L, 2W, MOVING OPERATIONS, DAY ONLY
- 701901-02 TRAFFIC CONTROL DEVICES

IDOT DISTRICT ONE STANDARDS

- BD-22 PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT
- BD-32 BUTT JOINT AND HMA TAPER DETAILS
- TC-10 TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS
- TC-13 DISTRICT ONE TYPICAL PAVEMENT MARKINGS
- TC-14 TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC)
- TC-22 ARTERIAL ROAD INFORMATION

HOT-MIX ASPHALT MIX REQUIREMENTS	
ITEM	VOID
RESURFACING	
HMA SURFACE COURSE, MIX "D", N50, 1-1/2"	4% @ 50 GYR.
POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4"	4% @ 50 GYR.
RECONSTRUCTION	
HMA BINDER COURSE, IL-19.0, N50	4% @ 50 GYR.
HMA SURFACE COURSE, MIX "D", N50, 1-1/2"	4% @ 50 GYR.
POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4"	4% @ 50 GYR.

NOTES:

- THE UNIT WEIGHT USED TO CALCULATE ALL HOT-MIX ASPHALT SURFACE MIXTURES IS 112 LBS/SO YD/IN
- THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISIONS. FOR "PERCENT OF RAP" SEE SPECIAL PROVISIONS

PRINTED DATE: 2/1/2013
FILE NAME: K:\Projects\Bolingbrook\Schmidt Road Culvert\Drawings\Sheets\02 General Notes.dgn



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PLOT DATE = 2/1/2013	CHECKED - MR	REVISED -
	DATE - 2/1/2013	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES

F.A.U. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
2571	09-00053-00-BR	WILL	25	2
			CONTRACT NO.: 63797	
ILLINOIS FEDERAL AID PROJECT				

ITEM NO.	CONSTRUCTION CODE TYPE			
	ITEM	UNITS	TOTAL QUANTITY	00H
20100110	TREE REMOVAL (6-15 UNITS DIAMETER)	UNIT	50	50
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	123	123
20700220	POROUS GRANULAR EMBANKMENT	CU YD	123	123
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	387	387
21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	949	949
25000110	SEEDING, CLASS 1A	ACRE	0.1	0.1
25000310	SEEDING, CLASS 4	ACRE	0.1	0.1
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	18	18
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	18	18
25000800	POTASSIUM FERTILIZER NUTRIENT	POUND	18	18
25100630	EROSION CONTROL BLANKET	SQ YD	949	949
25200110	SODDING, SALT TOLERANT	SQ YD	244	244
28000400	PERIMETER EROSION BARRIER	FOOT	322	322
28100107	STONE RIPRAP, CLASS A4	SQ YD	87	87
30300112	AGGREGATE SUBGRADE IMPROVEMENT, 12"	SQ YD	244	244
40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	397	397
40600300	AGGREGATE (PRIME COAT)	TON	2.3	2.3
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	0.1	0.1
40600982	HMA SURFACE REMOVAL- BUTT JOINT	SQ YD	39	39
40603980	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	120	120
40600827	POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50	TON	48	48
40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	96	96

ITEM NO.	CONSTRUCTION CODE TYPE			
	ITEM	UNITS	TOTAL QUANTITY	00H
42400410	PORTLAND CEMENT CONCRETE SIDEWALK, 8 INCH	SQ FT	507	507
44000100	PAVEMENT REMOVAL	SQ YD	213	213
44000158	HOT-MIX ASPHALT SURFACE REMOVAL, 2-1/4"	SQ YD	921	921
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	112	112
44000600	SIDEWALK REMOVAL	SQ FT	507	507
50100100	REMOVAL OF EXISTING STRUCTURES	EACH	1	1
50102400	CONCRETE REMOVAL	CU YD	0.8	0.8
50200100	STRUCTURE EXCAVATION	CU YD	1125	1,125
50800205	REINFORCEMENT BARS, EPOXY COATED	POUNDS	580	580
51500100	NAME PLATES	EACH	1	1
54001001	BOX CULVERT END SECTIONS, CULVERT NO.1	EACH	2	2
54002020	EXPANSION BOLTS, 3/4 INCH	EACH	18	18
54248510	CONCRETE COLLAR	CU YD	3.2	3.2
550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	FOOT	12	12
550A0400	STORM SEWERS, CLASS A, TYPE 2 21"	FOOT	12	12
550A0430	STORM SEWERS, CLASS A, TYPE 2 30"	FOOT	12	12
55100500	STORM SEWER REMOVAL, 12"	FOOT	12	12
55101100	STORM SEWER REMOVAL, 21"	FOOT	12	12
55101400	STORM SEWER REMOVAL, 30"	FOOT	12	12
60609200	COMBINATION CONCRETE CURB & GUTTER, TYPE M-6.12	FOOT	112	112
67100100	MOBILIZATION	L SUM	1	1
70201000	TRAFFIC CONTROL AND PROTECTION (SPECIAL)	L SUM	1	1

ITEM NO.	CONSTRUCTION CODE TYPE			
	ITEM	UNITS	TOTAL QUANTITY	00H
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	448	448
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	33	33
54011108	PRECAST CONCRETE BOX CULVERTS 11' X 8'	FOOT	234	234
Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1
Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	102.8	102.8

* SPECIALTY ITEMS

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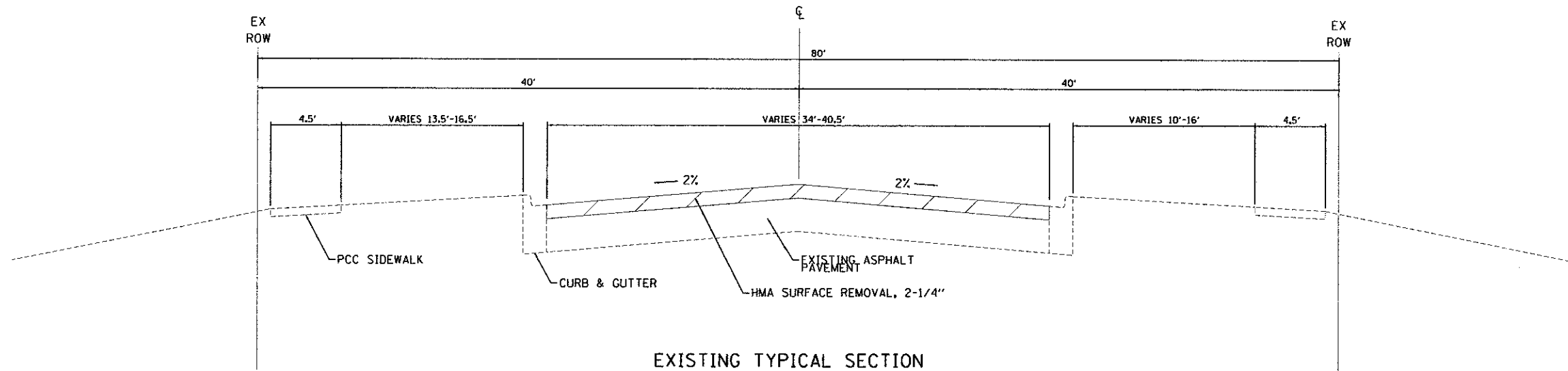


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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

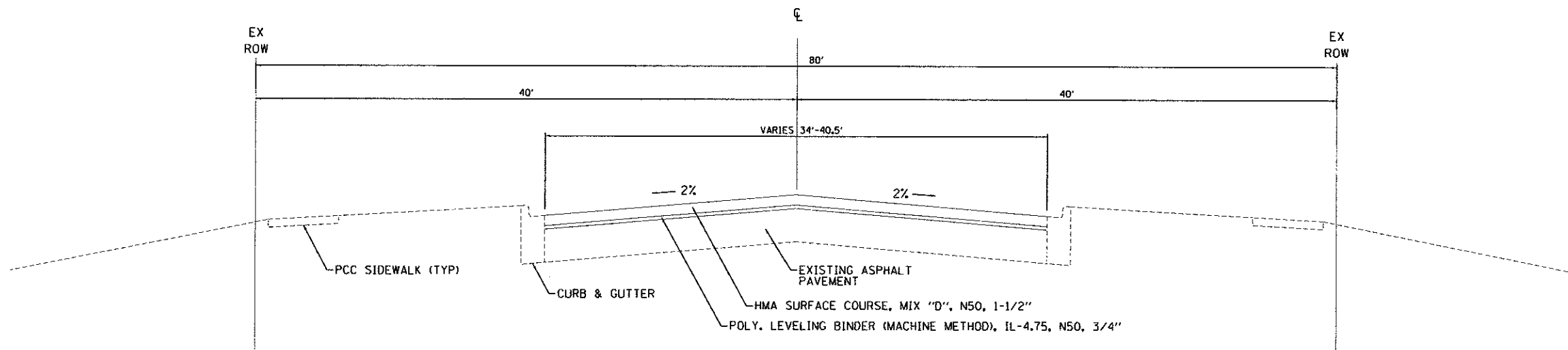
F.A.U. RTE 2571	SECTION 09-00053-00-BR	COUNTY WILL	TOTAL SHEETS 25	SHEET NO 3
CONTRACT NO. 63797				
ILLINOIS FEDERAL AID PROJECT				



EXISTING TYPICAL SECTION

SCHMIDT ROAD

STA. 13+09 TO STA. 14+26
 STA. 14+82 TO STA. 15+95



PROPOSED TYPICAL SECTION

SCHMIDT ROAD

STA. 13+09 TO STA. 14+26
 STA. 14+82 TO STA. 15+95

NOTE: PAVEMENT REMOVAL, CURB AND GUTTER REMOVAL AND SIDEWALK REMOVAL OVER CULVERT REPLACEMENT (STA. 14+26 TO 14+82)

PRINTED DATE: 2/1/2013
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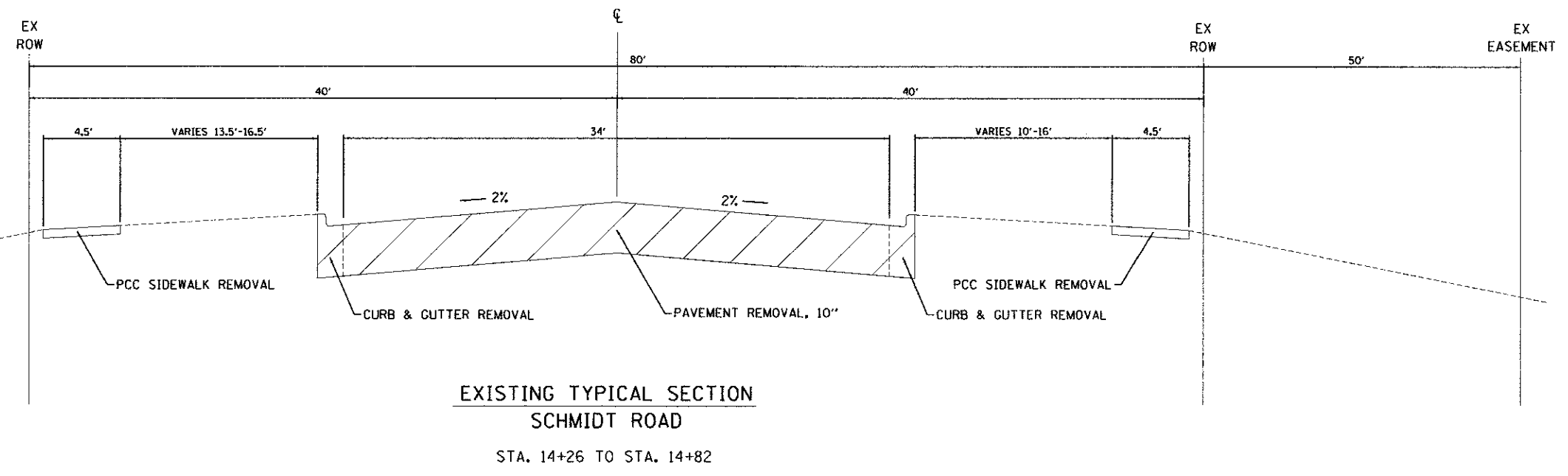
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

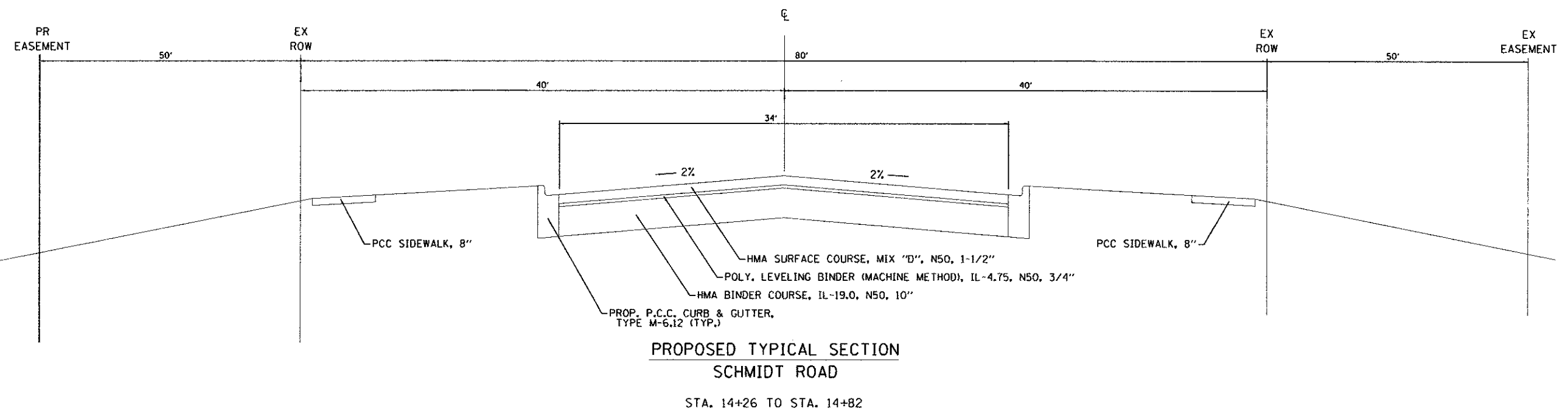
TYPICAL SECTIONS

F.A.U. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
2571	09-00053-00-BR	WILL	25	4
CONTRACT NO.: 63797				
ILLINOIS FEDERAL AID PROJECT				

PRINTED DATE: 2/20/2013
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EXISTING TYPICAL SECTION
SCHMIDT ROAD
 STA. 14+26 TO STA. 14+82



PROPOSED TYPICAL SECTION
SCHMIDT ROAD
 STA. 14+26 TO STA. 14+82



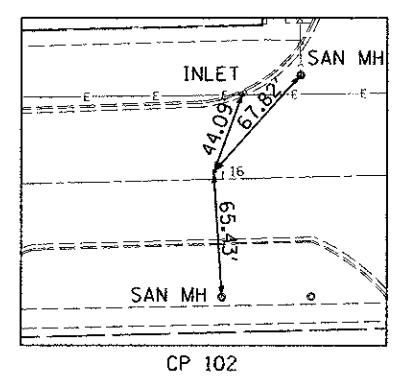
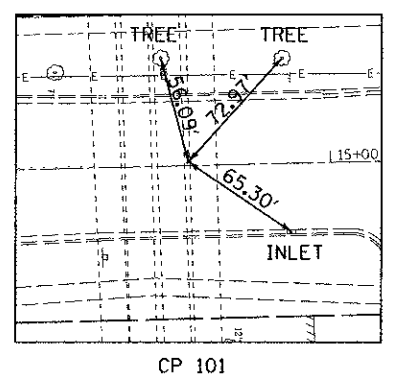
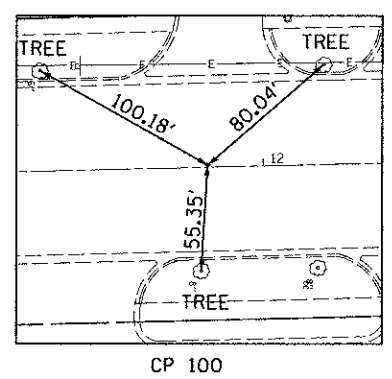
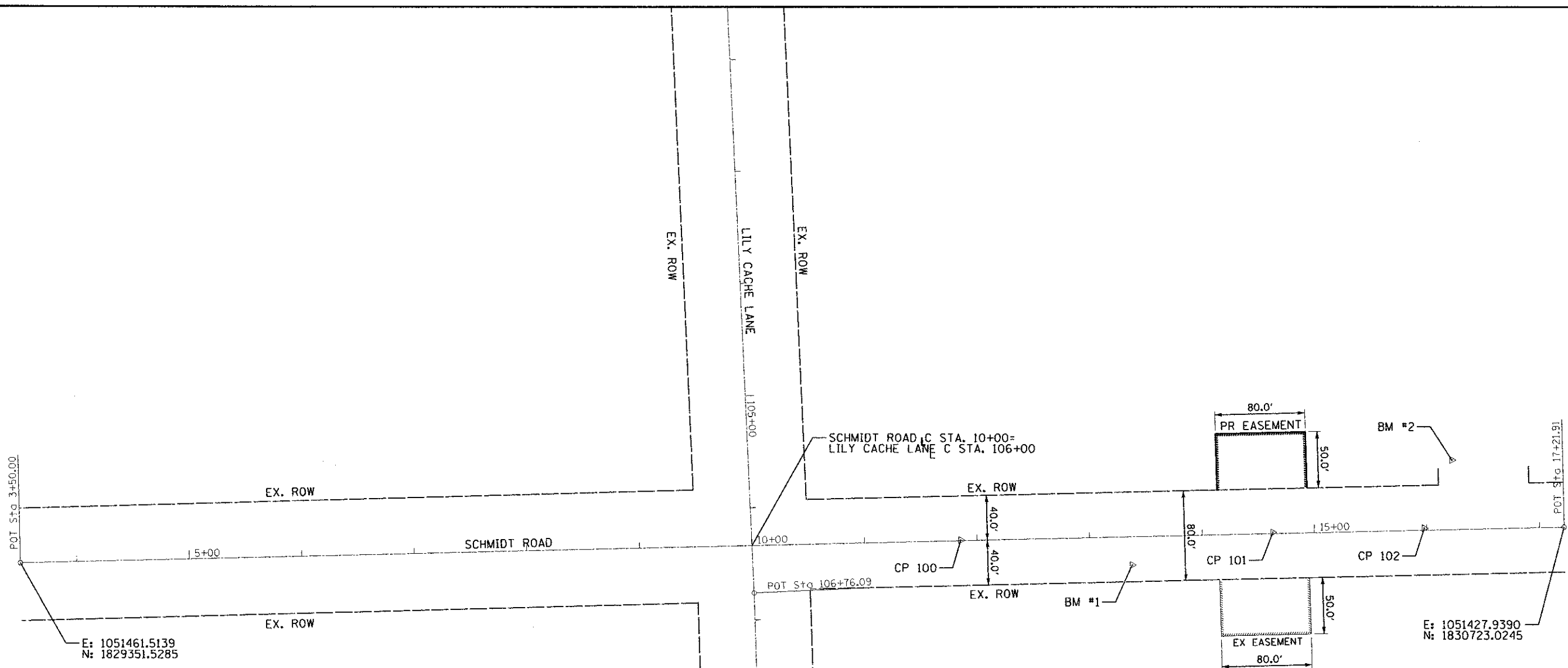
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

F.A.U. RTE 2571	SECTION 09-00053-00-BR	COUNTY WILL	TOTAL SHEETS 25	SHEET NO. 5
CONTRACT NO.: 63797				
ILLINOIS FEDERAL AID PROJECT				

PRINTED DATE: 2/1/2013
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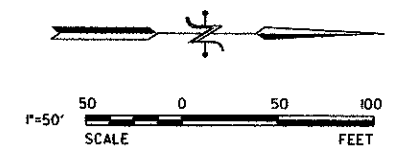
BM #1
 EAST BOLT OF FIRE HYDRANT
 N: 1830339.322
 E: 1051462.572
 ELEV: 673.88

BM #2
 SOUTH BOLT OF FIRE HYDRANT WITH TAG
 N: 1830623.139
 E: 1051368.417
 ELEV: 680.22

CP 100
 PK NAIL LOCATED IN THE CENTER OF SCHIMDT ROAD
 N/O LILY CACHE LANE
 N: 1830186.795
 E: 1051440.477
 ELEV: 671.39

CP 101
 PK NAIL LOCATED IN THE CENTER OF SCHIMDT ROAD
 OVER LILY CACHE CREEK CULVERT
 N: 1830464.135
 E: 1051433.217
 ELEV: 675.54

CP 102
 PK NAIL LOCATED IN THE CENTER OF SCHIMDT ROAD
 S/O OLD STONE ROAD INTERSECTION
 N: 1830598.803
 E: 1051429.076
 ELEV: 678.70



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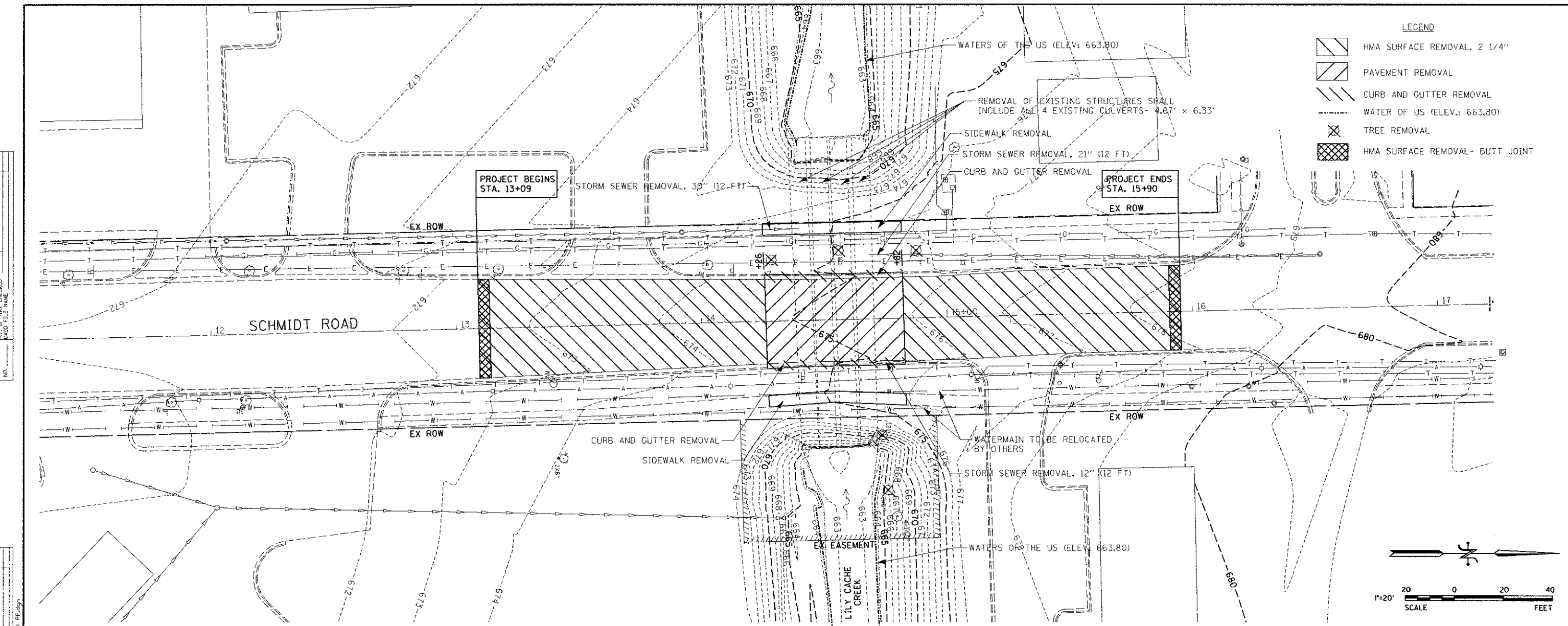
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

ALIGNMENT AND TIES

F.A.U. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
2571	09-00053-00-BR	WILL	25	6
CONTRACT NO.: 63797			ILLINOIS FEDERAL AID PROJECT	

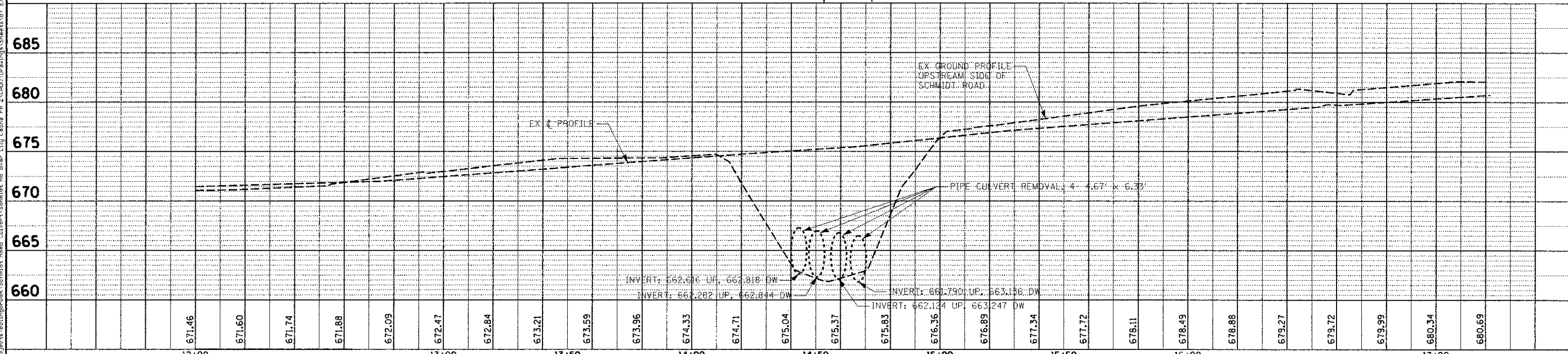
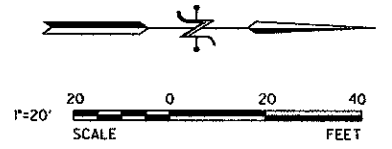
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	PLOTTED	
	CHECKED	
	BY	
	NO. 8008	
	RT. OF WAY CHECKED	
	PAID FILE NAME	

PROFILE	SURVEYED	DATE
	PLOTTED	
	CHECKED	
	BY	
	NO. 8008	
	RT. OF WAY CHECKED	
	PAID FILE NAME	



LEGEND

	HMA SURFACE REMOVAL, 2 1/4"
	PAVEMENT REMOVAL
	CURB AND GUTTER REMOVAL
	WATER OF US (ELEV.: 663.80)
	TREE REMOVAL
	HMA SURFACE REMOVAL - BUTT JOINT



PRINTED DATE: 2/1/2013
 FILE NAME: K:\Projects\Bellevue\Bellevue\Schmidt Road Culvert\Schmidt Rd over Lily Cache Cr. 2\CA000\Overseas\Sheets\07 EX PP.dgn



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DESIGNED -
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CHECKED -
DATE -

REVISED -
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REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

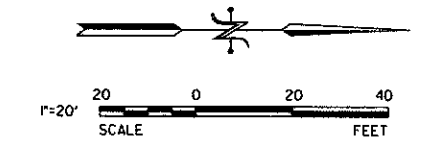
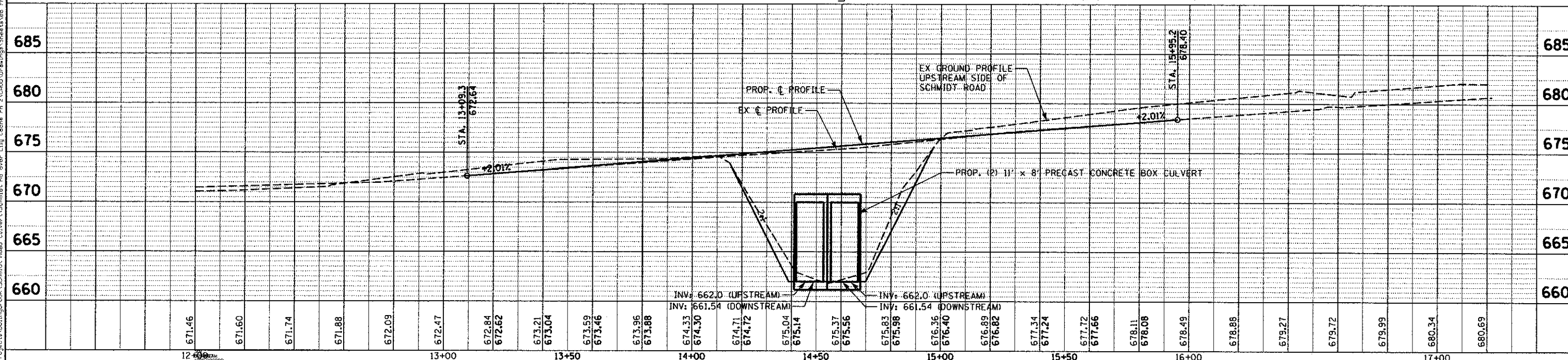
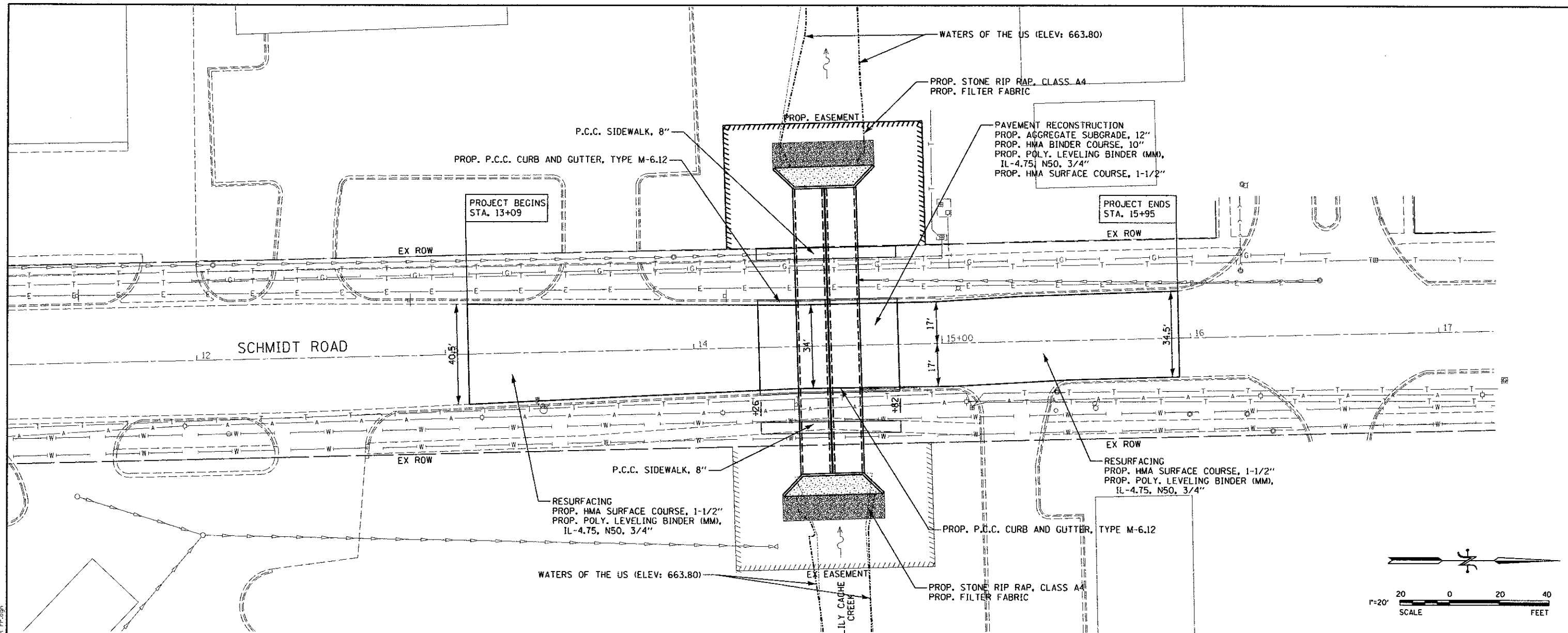
EXISTING REMOVAL PLAN

F.A.V. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
Z571	09-0533-00BR	WILL	25	7
CONTRACT NO.				
ILLINOIS FEDERAL AID PROJECT				

PLAN	DATE
SAVED	BY
PLOTTED	DATE
NOTE BOOK	
NO. OF WAY CHECKED	
NO. OF WAY CHECKED	
NO. OF WAY CHECKED	

PROFILE	DATE
SAVED	BY
PLOTTED	DATE
NOTE BOOK	
NO. OF WAY CHECKED	
NO. OF WAY CHECKED	
NO. OF WAY CHECKED	

PRINTED DATE: 2/20/2013
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 DRAWN -
 CHECKED -
 DATE -



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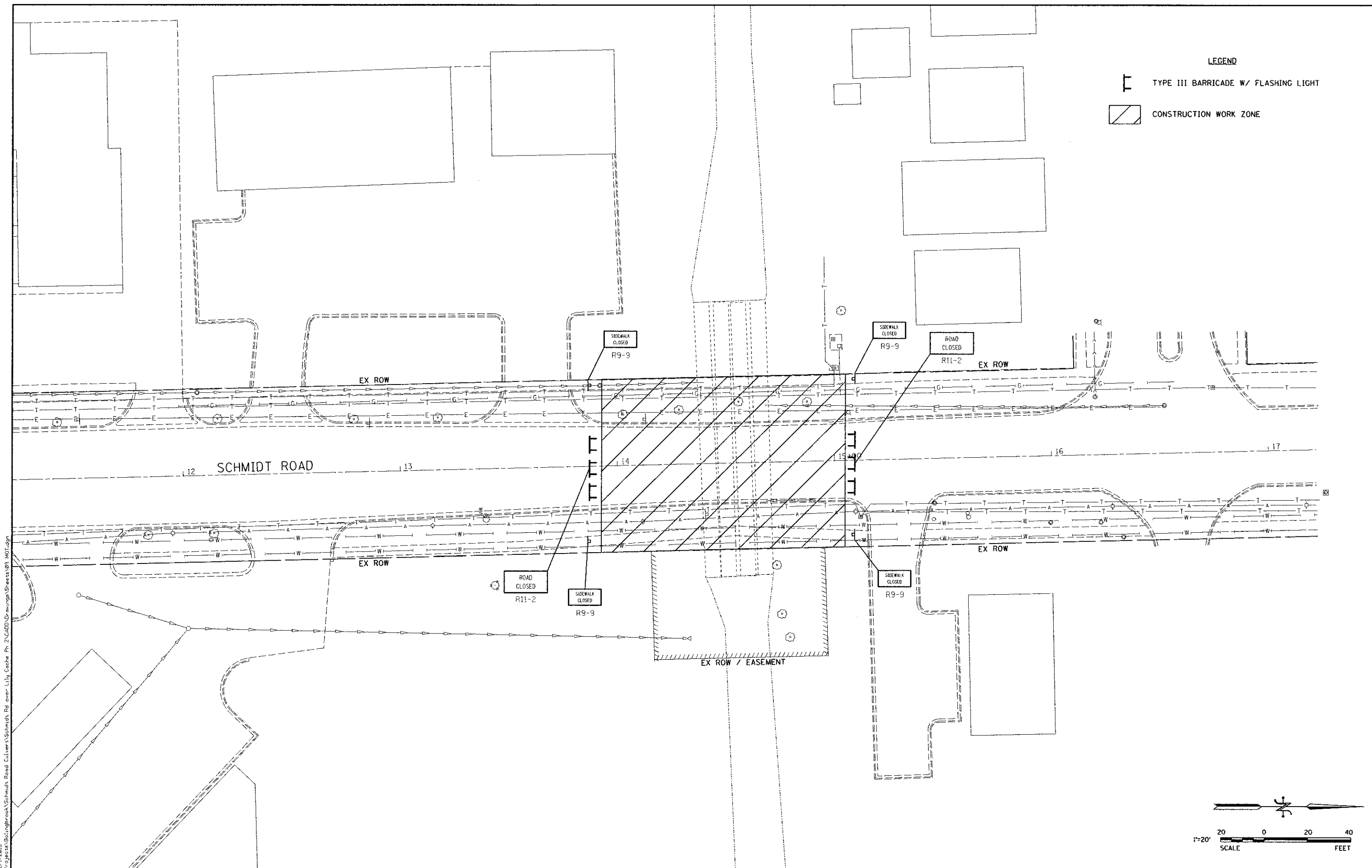
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

PROPOSED PLAN AND PROFILE

F.A.R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	09-0533-00BR	WILL	25	8
				CONTRACT NO.
ILLINOIS FEDERAL AID PROJECT				

LEGEND

-  TYPE III BARRICADE W/ FLASHING LIGHT
-  CONSTRUCTION WORK ZONE



PRINTED DATE: 2/1/2013
 FILE NAME: K:\Projects\Bolinger\Schmidt Road Culvert\Schmidt Rd over Lily Cecher Ph 2\CADD\Drawings\Sheets\09_MOT.dwg



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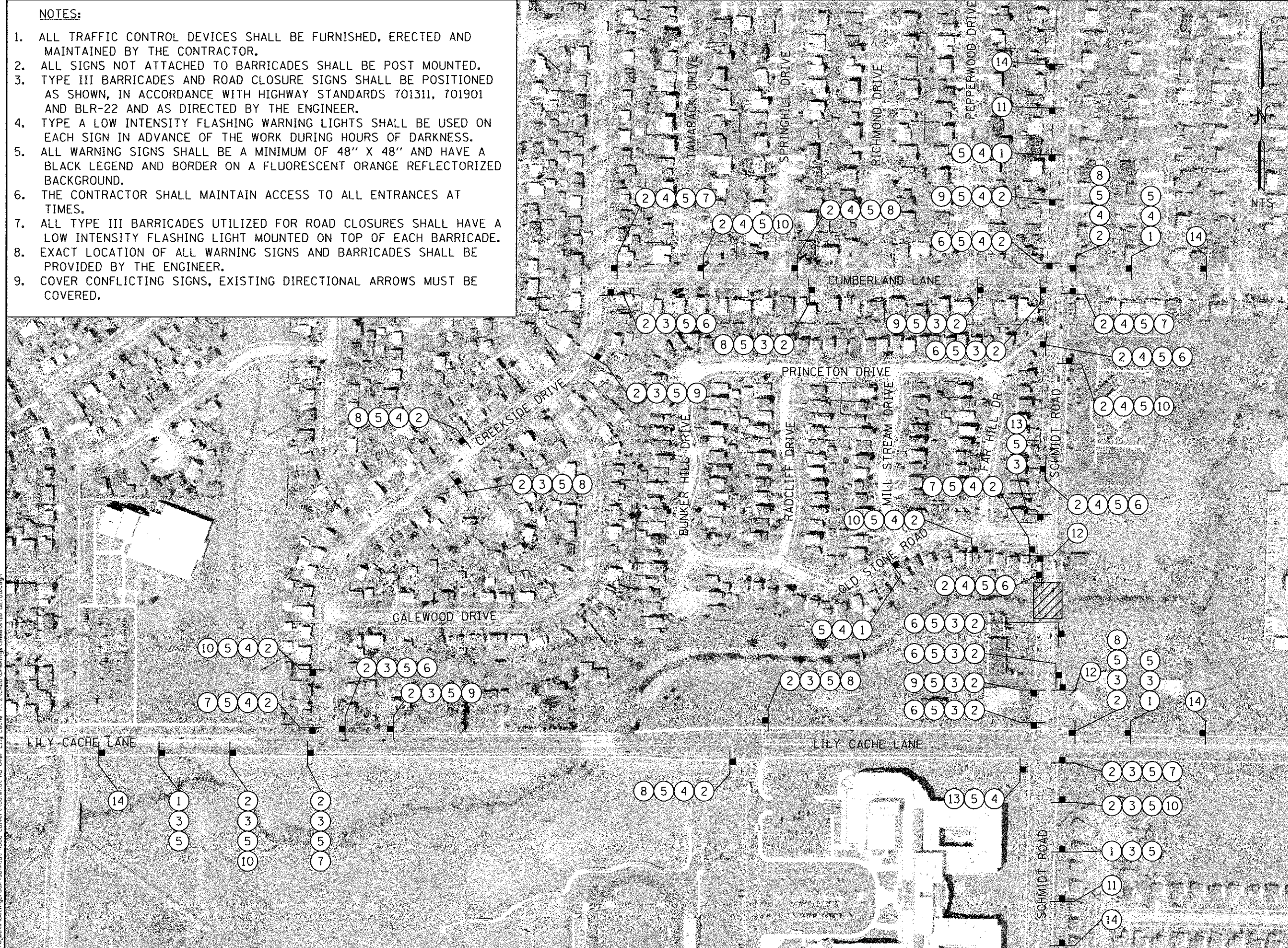
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC

F.A.U. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
2571	09-00053-00-BR	WILL	25	9
CONTRACT NO.: 63797				
ILLINOIS FEDERAL AID PROJECT				

NOTES:

1. ALL TRAFFIC CONTROL DEVICES SHALL BE FURNISHED, ERECTED AND MAINTAINED BY THE CONTRACTOR.
2. ALL SIGNS NOT ATTACHED TO BARRICADES SHALL BE POST MOUNTED.
3. TYPE III BARRICADES AND ROAD CLOSURE SIGNS SHALL BE POSITIONED AS SHOWN, IN ACCORDANCE WITH HIGHWAY STANDARDS 701311, 701901 AND BLR-22 AND AS DIRECTED BY THE ENGINEER.
4. TYPE A LOW INTENSITY FLASHING WARNING LIGHTS SHALL BE USED ON EACH SIGN IN ADVANCE OF THE WORK DURING HOURS OF DARKNESS.
5. ALL WARNING SIGNS SHALL BE A MINIMUM OF 48" X 48" AND HAVE A BLACK LEGEND AND BORDER ON A FLUORESCENT ORANGE REFLECTORIZED BACKGROUND.
6. THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL ENTRANCES AT TIMES.
7. ALL TYPE III BARRICADES UTILIZED FOR ROAD CLOSURES SHALL HAVE A LOW INTENSITY FLASHING LIGHT MOUNTED ON TOP OF EACH BARRICADE.
8. EXACT LOCATION OF ALL WARNING SIGNS AND BARRICADES SHALL BE PROVIDED BY THE ENGINEER.
9. COVER CONFLICTING SIGNS, EXISTING DIRECTIONAL ARROWS MUST BE COVERED.



LEGEND

- ① ORANGE FLAG (OPTIONAL) 18" x 18" W20-2 48" x 48"
- ② DETOUR M4-8 24" x 12"
- ③ NORTH M3-3 24" x 12"
- ④ SOUTH M3-1 24" x 12"
- ⑤ SCHMIDT ROAD 24" x 18"
- ⑥ M6-1 21" x 15"
- ⑦ M6-1 21" x 15"
- ⑧ M6-3 21" x 15"
- ⑨ M5-1 21" x 15"
- ⑩ M5-1 21" x 15"
- ⑪ ROAD CLOSED AHEAD W20-2 48" x 48"
- ⑫ ROAD CLOSED 500 FT W20-2 48" x 48"
- ⑬ END DETOUR M4-8A 24" x 18"
- ⑭ SCHMIDT ROAD CLOSED FROM N/O LILY CACHE RD TO OLD STONE RD INFORMATIONAL SIGN

CONSTRUCTION AREA

PRINTED DATE: 2/20/2013 FILE NAME: K:\Projects\Bainbrook\Schmidt_Road_Culvert\Somdat_Rd over Lily Cache Ph. 2\CADD\2\enrgp\Sheets\18 DETOUR.dgn



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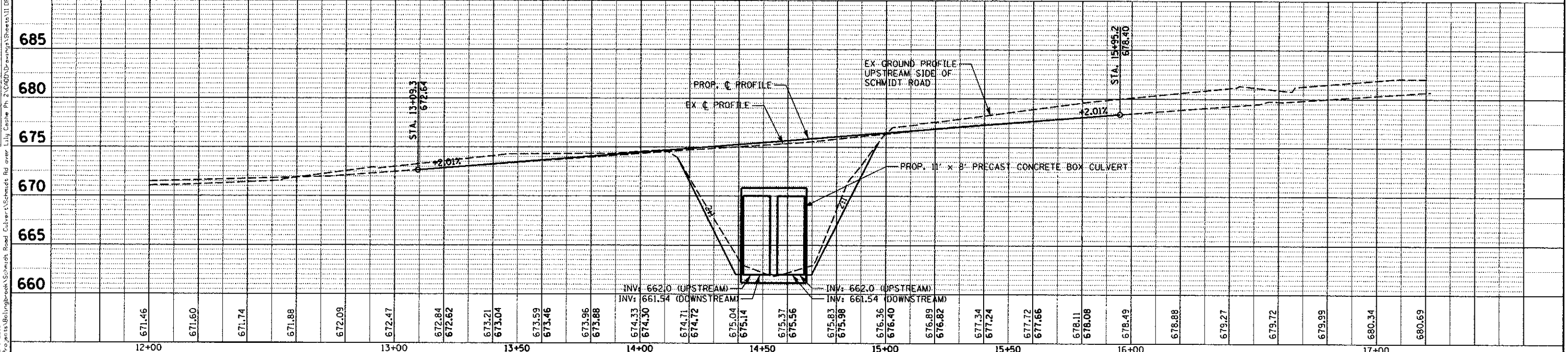
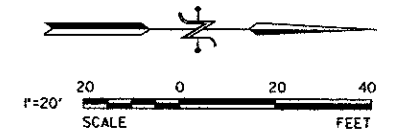
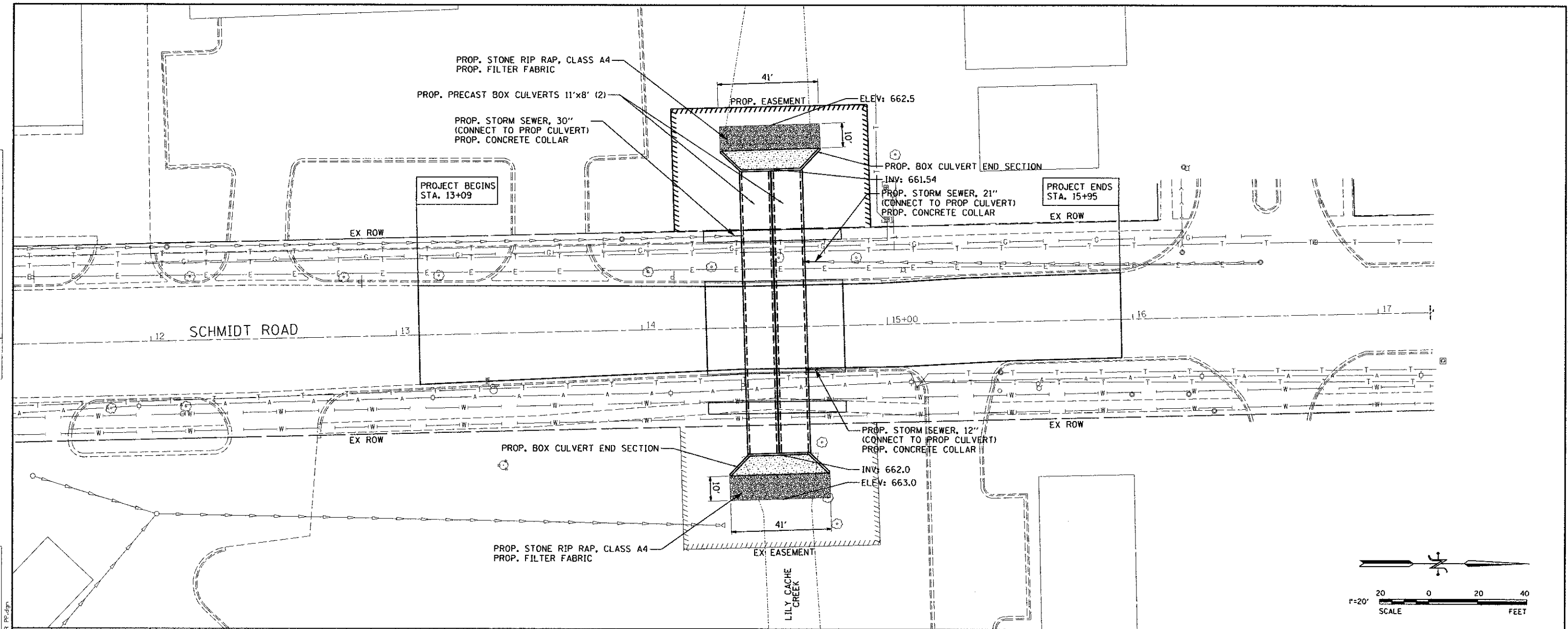
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETOUR PLAN

F.A.I. RTE 2571	SECTION 09-00053-00-BR	COUNTY WILL	TOTAL SHEETS 25	SHEET NO 10
CONTRACT NO. 63797				
ILLINOIS/FEDERAL AID PROJECT				

PLAN	SURVEYED	DATE
	PLOTTED	
	NOTED	
	CHECKED	
	DESIGNED	
	BY	
	NO.	
	FILE NAME	

PROFILE	SURVEYED	DATE
	PLOTTED	
	NOTED	
	CHECKED	
	DESIGNED	
	BY	
	NO.	
	FILE NAME	



12+00	671.46	671.60	671.74	671.88	672.09	672.47	672.84	672.62	673.21	673.04	673.59	673.46	673.96	673.88	674.33	674.30	674.71	674.72	675.04	675.14	675.37	675.56	675.83	675.98	676.36	676.40	676.89	676.82	677.34	677.24	677.72	677.66	678.11	678.08	678.49	678.88	679.27	679.72	679.99	680.34	680.69	17+00
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PLOT SCALE = 20.0000" = 1" IN.		CHECKED -		REVISED -		DATE -		REVISED -		09-0533-00BR		WILL		25		11																										
PLOT DATE = 2/1/2013		DATE -		REVISED -						CONTRACT NO																																

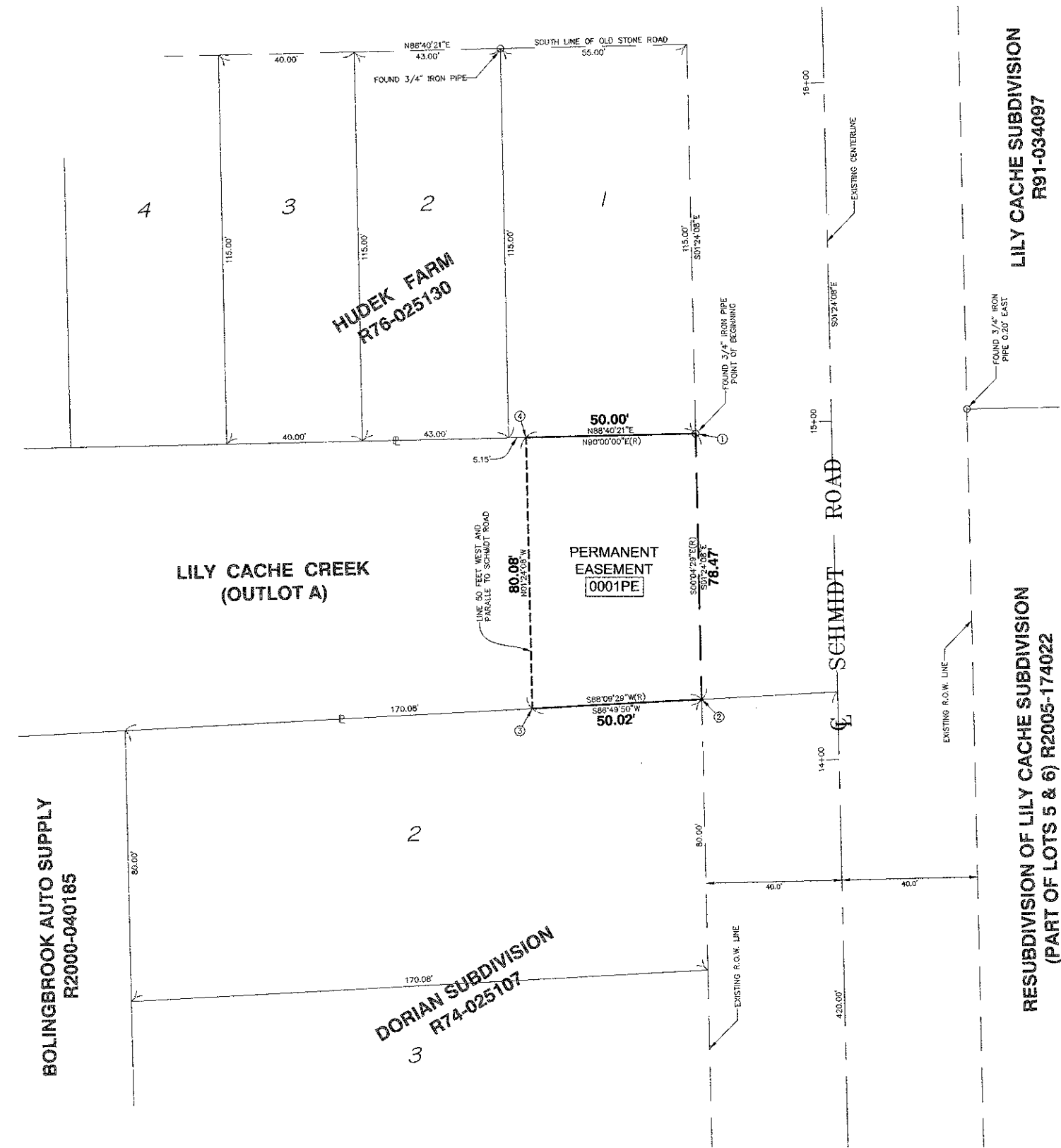


PRINTED DATE: 2/1/2013
FILE NAME: K:\Projects\09-0533-00\Proposed Drainage and Utility Plan\Sheet 11.DWG

PART OF THE E HALF OF THE NE QUARTER OF SECTION 16, T. 37 N., R. 10. E. OF THE 3RD P.M., IN WILL COUNTY ILLINOIS.

LEGEND

BEARINGS & COORDINATES ARE REFERENCED TO ILLINOIS COORDINATE SYSTEM NAD 88 (2007) EAST ZONE.



- IRON PIPE OR ROD FOUND ⊕ "MAG" NAIL SET
- + CUT CROSS FOUND OR SET ● 5 / 8" REBAR SET
- T1 THESE STAKES REFERENCE FOUND OR SET MONUMENTATION. SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO THE FOUND IRON STAKE IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- T2
- T3
- BT1 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION. BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO THE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- BT2
- BT3
- STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- ⊕ PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 2135 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET

STATE OF ILLINOIS)
)SS
COUNTY OF)

THIS IS TO CERTIFY THAT I, WAYNE W. NEKOLA, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, (WE, NEKOLA SURVEY INC. AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-005564,) HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 16, TOWNSHIP 37 NORTH, RANGE 10 EAST OF THE THIRD PRINCIPAL MERIDIAN, WILL COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT BOLINGBROOK, ILLINOIS THIS 15TH DAY OF FEBRUARY 2013 A.D.

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 2923
LICENSE EXPIRATION DATE: 30 NOVEMBER 2014

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

NEKOLA SURVEY, INC.
PROFESSIONAL LAND SURVEYING SERVICES
WWW.NEKOLASURVEY.COM
400 N. SCHMIDT RD., STE. 203
BOLINGBROOK, ILLINOIS 60440
(630) 226-1530 PHONE (630) 226-1430 FAX

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
FAU 2571 (SCHMIDT ROAD) AT
LILY CACHE CREEK
BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

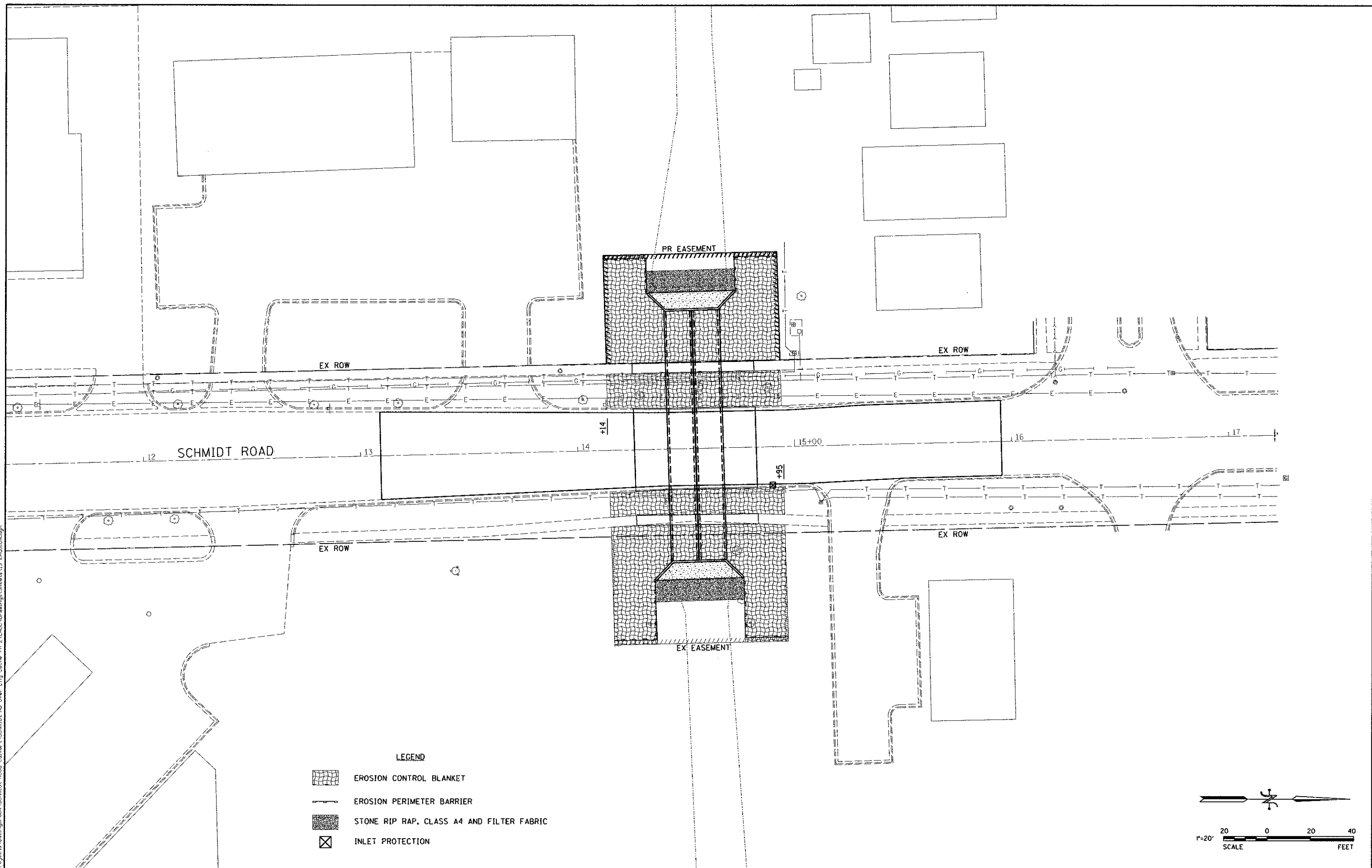
AREA = 3,964 SQ. FT.
MORE OR LESS

COORDINATE LIST			
①	N 1830497.4383 E 1051393.4495	14+97.23	40' L
②	N 1830418.9918 E 1051395.3699	14+18.76	40' L
③	N 1830416.2259 E 1051345.4226	14+17.22	90' L
④	N 1830496.2798 E 1051343.4629	14+97.30	90' L

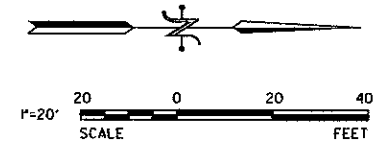
PARCEL NUMBER	OWNER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	EASEMENT AREA	EASEMENT PURPOSE
0001PE	BOLINGBROOK PARK DISTRICT	0.091 AC	----	0.091 AC	DRAINAGE & CONSTRUCTION
----	----	----	----	----	----

PROJECT NO. BRM-9003(520)	ROUTE: FAU 2571 (SCHMIDT ROAD)
JOB NO. R-55-001-97	SECTION: 09-00053-00-BR
SCALE: 1"=20'	COUNTY: WILL
	SHEET 12 OF 25

PRINTED DATE: 2/1/2013
 FILE NAME: K:\Projects\Bellevue\Bellevue Road Culvert\Schmidt Rd over Lily Ccche Ph. 2\4000\Drawings\Sheets\13 EROSION.dgn



- LEGEND**
- EROSION CONTROL BLANKET
 - EROSION PERIMETER BARRIER
 - STONE RIP RAP, CLASS A4 AND FILTER FABRIC
 - INLET PROTECTION



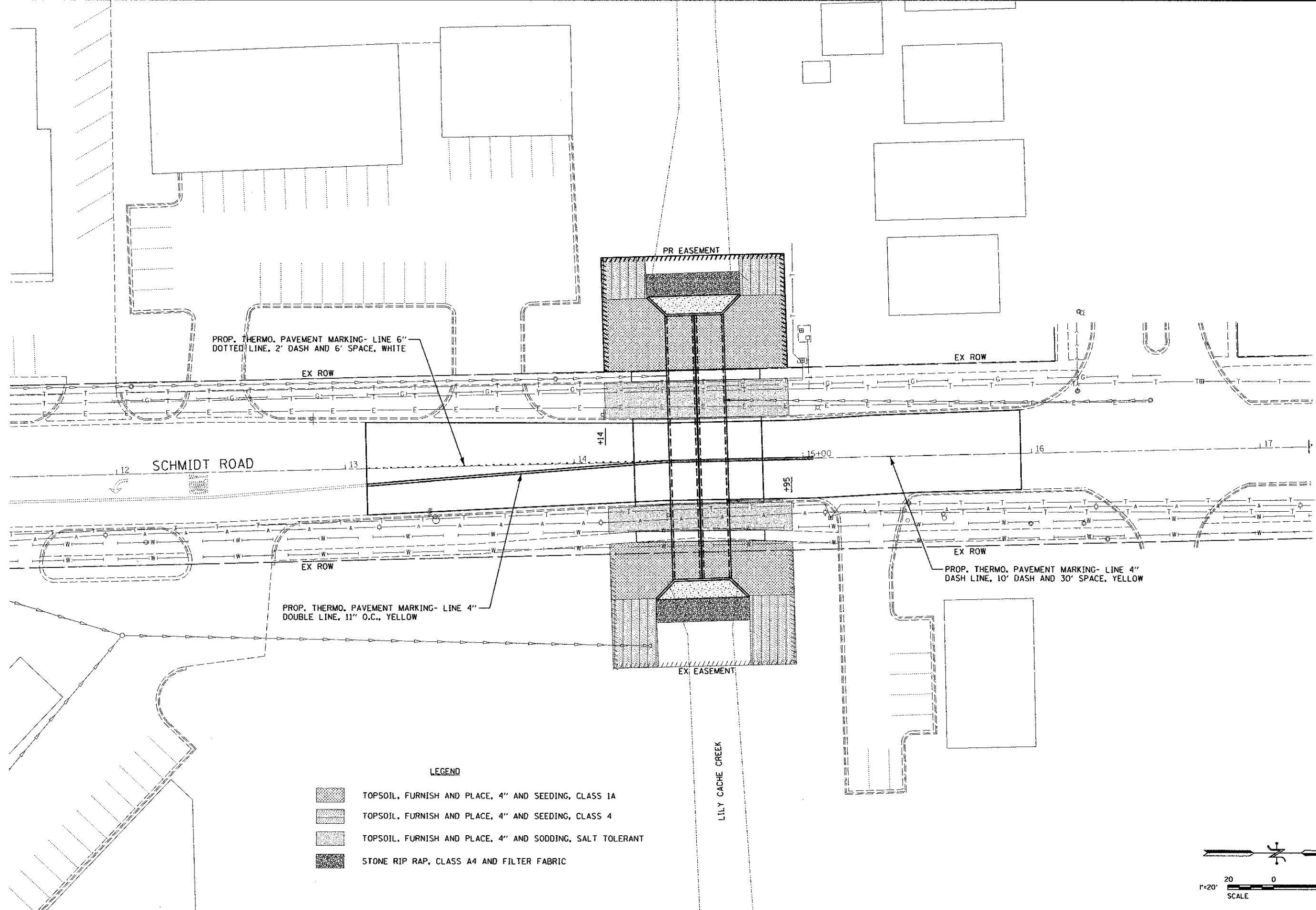
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	DATE - 2/1/2013	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

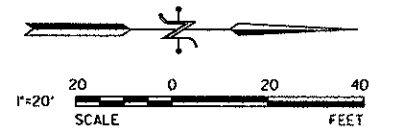
EROSION CONTROL PLAN

F.A.U. RTE 2571	SECTION 09-00053-00-BR	COUNTY WILL	TOTAL SHEETS 25	SHEET NO. 13
CONTRACT NO.: 63797				
ILLINOIS FEDERAL AID PROJECT				

PRINTED DATE: 2/1/2013
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- LEGEND**
- TOPSOIL, FURNISH AND PLACE, 4" AND SEEDING, CLASS 1A
 - TOPSOIL, FURNISH AND PLACE, 4" AND SEEDING, CLASS 4
 - TOPSOIL, FURNISH AND PLACE, 4" AND SODDING, SALT TOLERANT
 - STONE RIP RAP, CLASS A4 AND FILTER FABRIC



USER NAME = RUSERS	DESIGNED - JC	REVISED -
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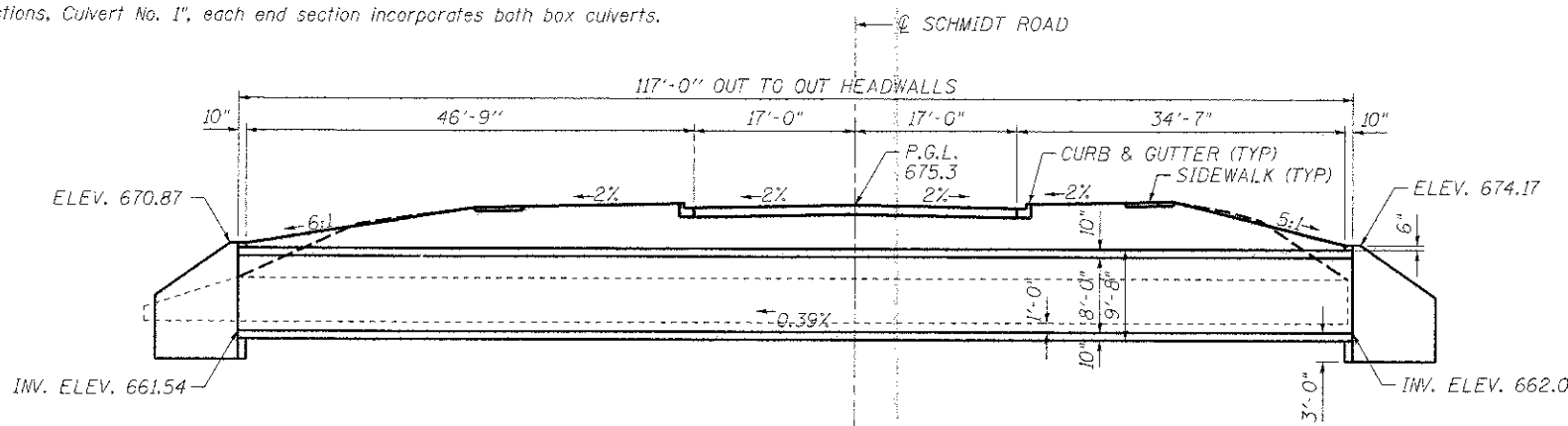
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING AND LANDSCAPING PLAN

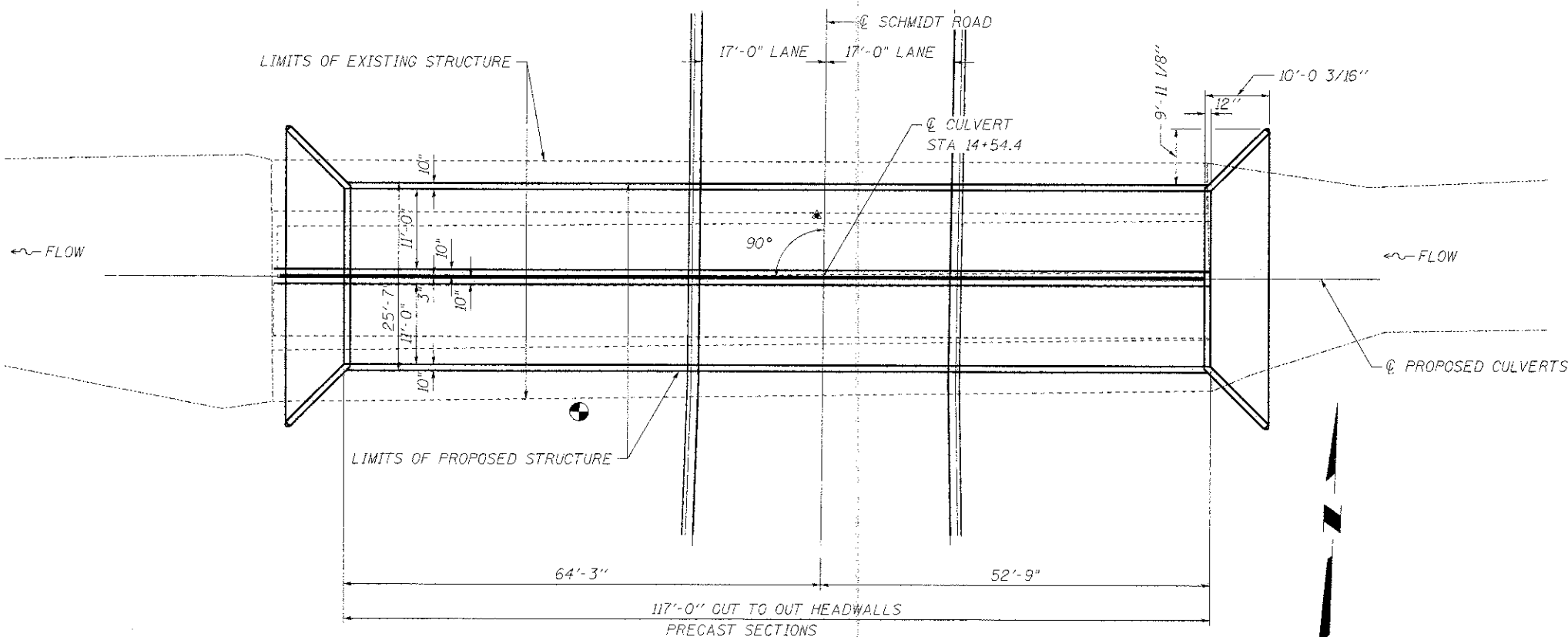
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CONTRACT NO.: 63797				
ILLINOIS FEDERAL AID PROJECT				

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

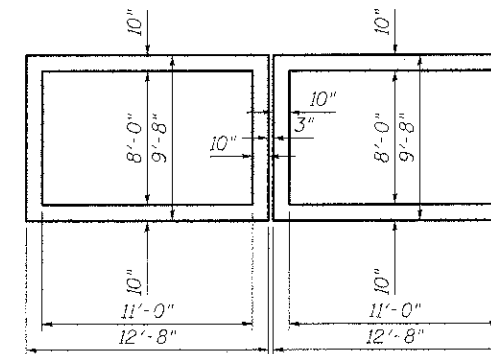
Existing Structure: S.N. 099-6055 built as F.A.U. Route 2571. Structure consists of four (4) 7' x 4'-6" elliptical corrugate metal pipe culverts, 127' in length. Structure to be removed and replaced using road closure.
"Removal of Existing Structures" shall include all 4 existing culverts.
"Box Culvert End Sections, Culvert No. 1", each end section incorporates both box culverts.



LONGITUDINAL SECTION
(LOOKING NORTH)



PLAN



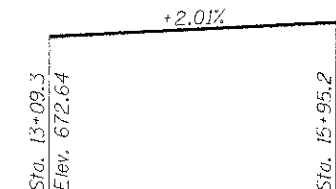
SECTION THROUGH PRECAST BARRELS
(LOOKING WEST)

BILL OF MATERIAL

ITEM	UNIT	TOTAL
Removal of Existing Structures	Each	1
Structure Excavation	Cu Yd	1125
Name Plates	Each	1
Box Culvert End Sections, Culvert No. 1	Each	2
Precast Concrete Box Culverts 11'x8'	Foot	234
Concrete Collar	Cu Yd	3.21
Reinforcement Bars, Epoxy Coated	Pounds	580
3/4" Dia. Expansion (Hook) Bolts	Each	18
Concrete Removal	Cu Yd	0.76

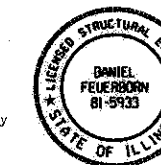
STATION 14+54.4
BUILT 20 BY
STATE OF ILLINOIS
F.A.U. RT. 2571
SEC. 09-00053-00-BR
LOADING HL-93
STRUCTURE NO. 099-6067

NAME PLATE
See Std. 515001



PROFILE GRADE
(along roadway)

"I certify that to the best of my knowledge, information and belief, this bridge/box culvert design is structurally adequate for the design loading shown on the plans. The design is an economical one for the style of structure and complies with requirements of the current 'AASHTO Standard Specifications for Highway Bridges'."



Daniel Feuerborn
License Expires 11-30-2014
Date 1.1.2013

WATERWAY INFORMATION

Flood	Freq. Yr.	Q	C.F.S.	Opening	Sq. Ft.	Nat.	Head - Ft.	Headwater El.
				Exist.	Prop.		Exist.	Prop.
Design	10	535	92.9	108.5	667.69	1.10	0.24	668.79
Base	50	820	92.9	134.6	668.68	2.64	0.44	671.32
Max. Calc.	100	970	92.9	147.6	669.02	2.93	0.69	671.95
	500	1350	92.9	154.0	669.67	3.15	1.31	672.82

10 year velocity through existing bridge = 5.9 fps
10 year velocity through prop. bridge = 4.8 fps

HIGHWAY CLASSIFICATION

Schmidt Road - F.A.U. Rte. 2571
Functional Class: Collector (Urban)
ADT: 6,200 (8000)
ADTT: 1X
DHV: 800
Design Speed: 30 m.p.h.
Posted Speed: 30 m.p.h.

LOADING HL-93

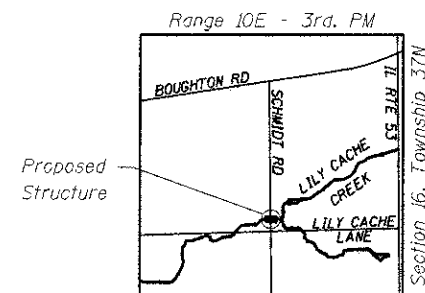
Allow 50#/sq. ft. for future wearing surface.

DESIGN SPECIFICATIONS

2010 AASHTO LRFD BRIDGE SPECIFICATIONS
WITH 2010 AND 2012 INTERIMS

DESIGN STRESSES

FIELD UNITS
 $f'_c = 3,500$ psi
 $f_y = 60,000$ psi (reinforcement)



LOCATION SKETCH

ILLINOIS DEPARTMENT OF TRANSPORTATION

GENERAL PLAN AND ELEVATION
SCHMIDT ROAD OVER LILY CACHE CREEK
F.A.U. RT. 2571 - SEC. 09-00053-00-BR
WILL COUNTY
STATION 14+54.4
STRUCTURE NO. 099-6067

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL PLAN AND ELEVATION

SHEET NO 1 OF 2 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2571	09-00053-00-BR	WILL	25	15

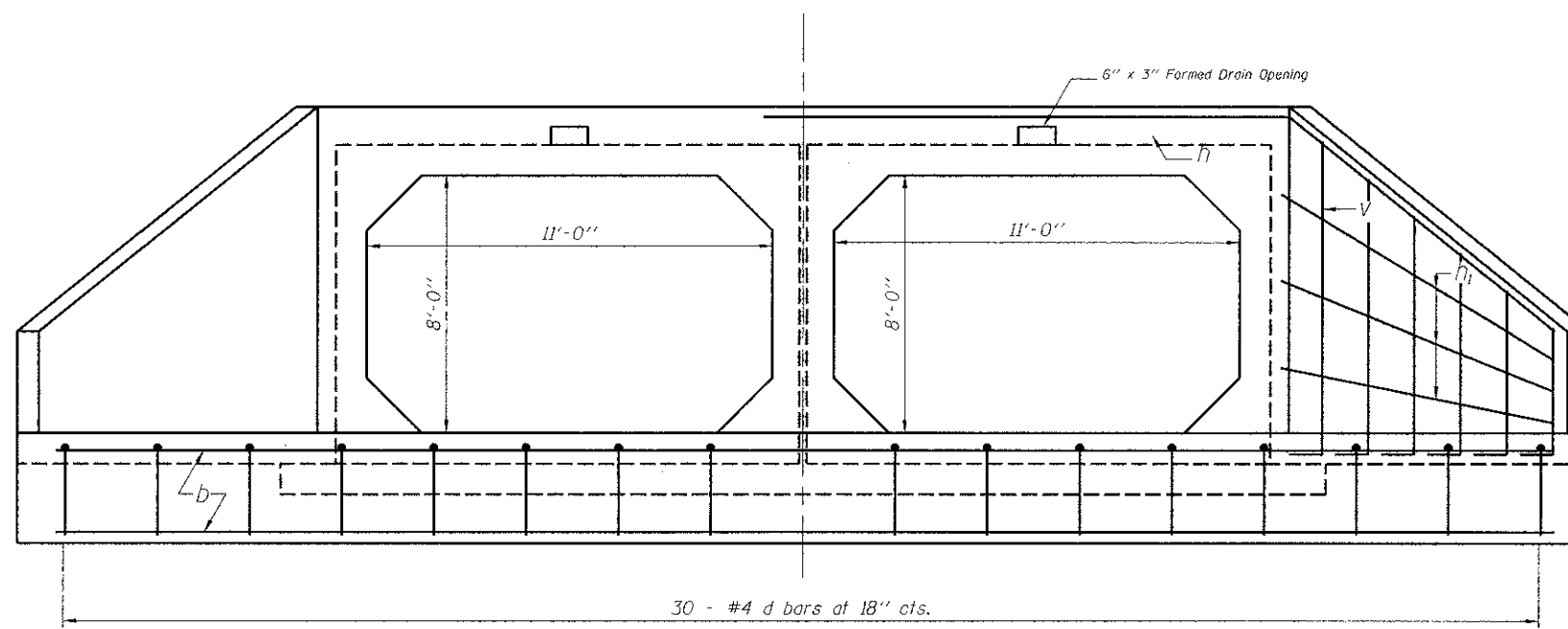
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ILLINOIS FED. AID PROJECT

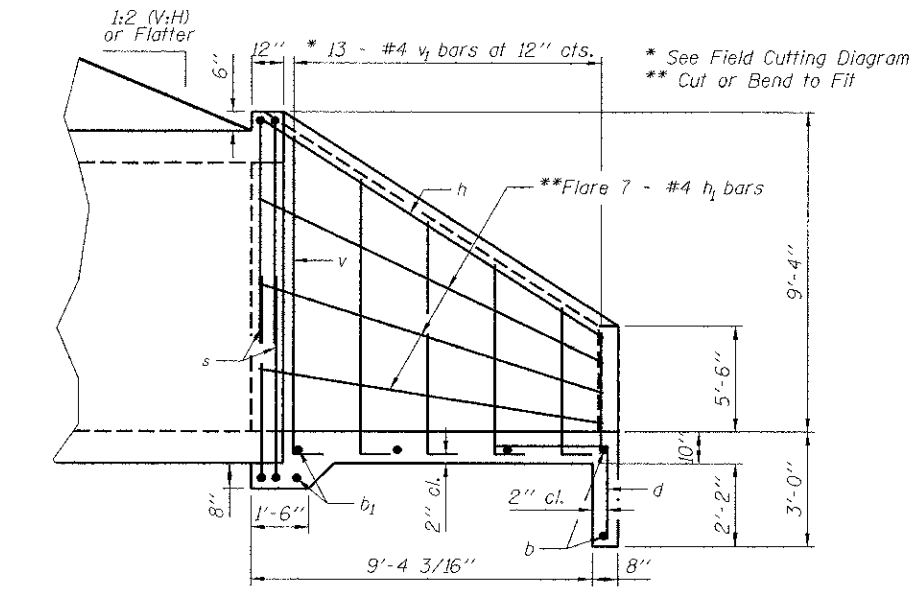


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		CHECKED	DF	REVISIONS

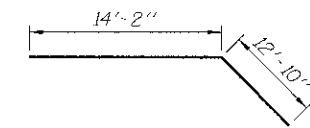
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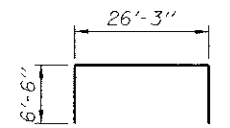
END ELEVATION



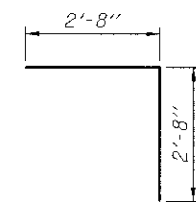
HALF SIDE ELEVATION



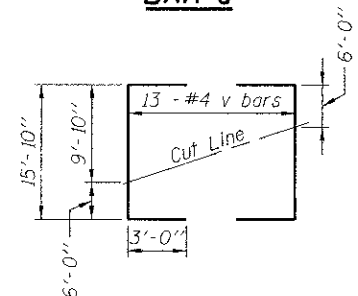
BAR h



BAR s



BAR d



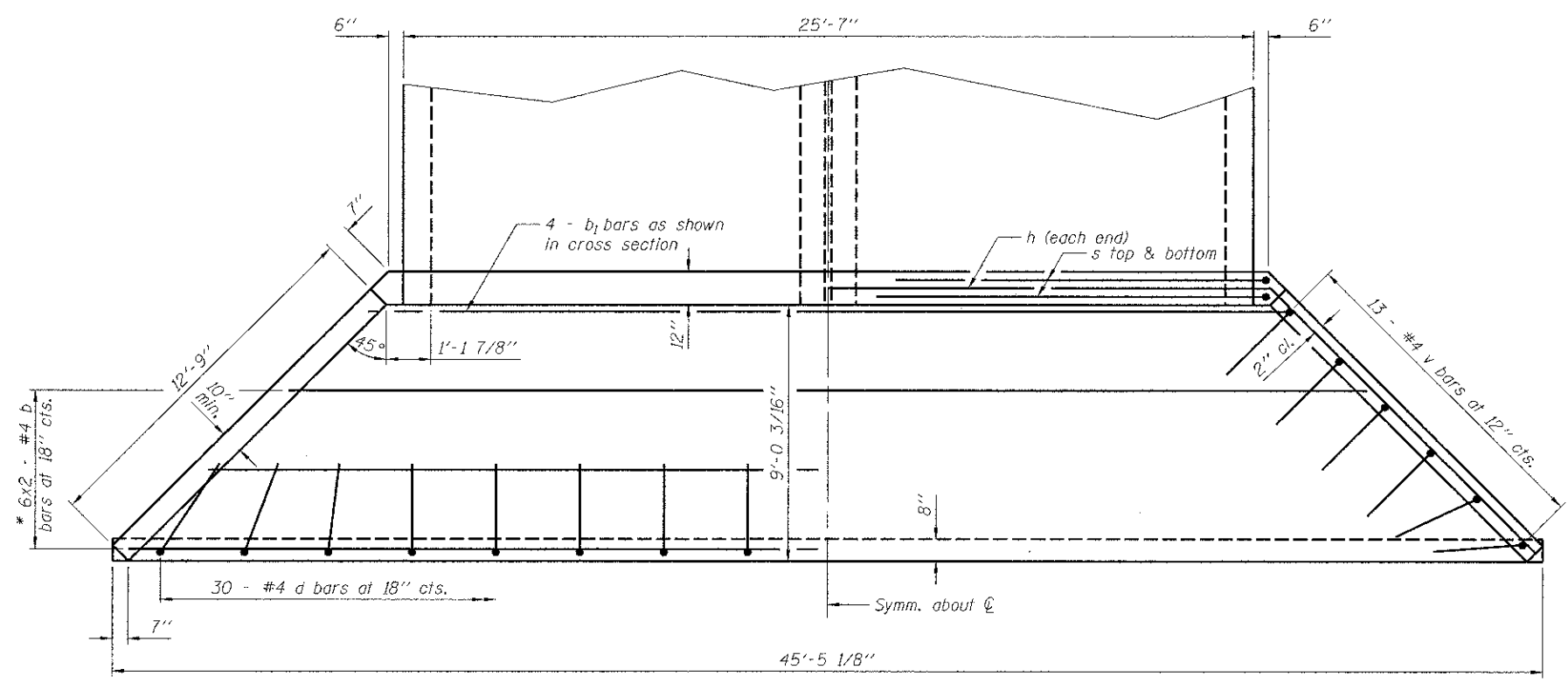
FIELD CUTTING DIAGRAM

Order v full length. Cut as shown and use remainder of bars in opposite wing.

BILL OF MATERIAL ***

Bar	No.	Size	Length	Shape
b	14	#4	23'-5"	—
b ₁	4	#4	27'-6"	—
d	30	#4	5'-4"	—
h	2	#4	27'-0"	—
h ₂	14	#4	13'-8"	—
s	4	#5	39'-0"	—
v	13	#4	21'-10"	—
Concrete Structures			CU YD	19.8
Reinforcement Bars			POUND	920

*** For one (1) apron. The quantities shown are for information only.



PLAN

* See Field Cutting Diagram

**CAST-IN-PLACE APRON
END SECTION FOR
PRECAST CONCRETE BOX CULVERT
STRUCTURE NO. 099-6067**

PRINTED DATE: 1/24/2013
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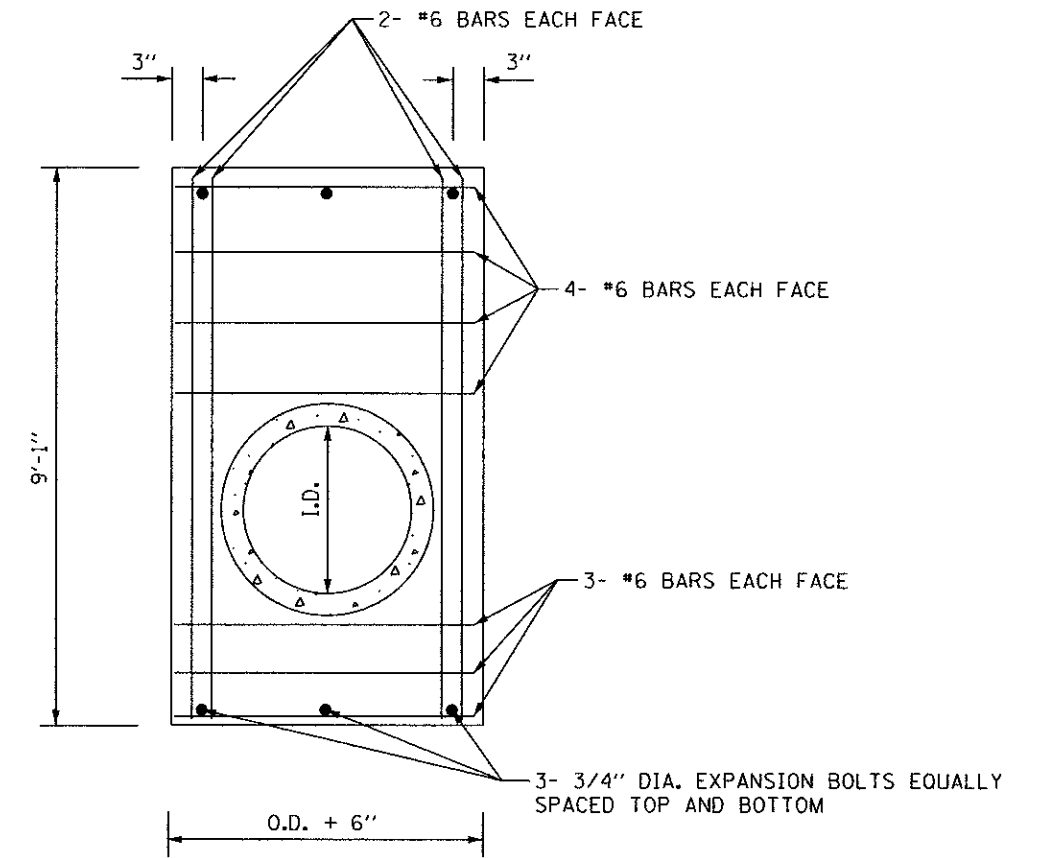
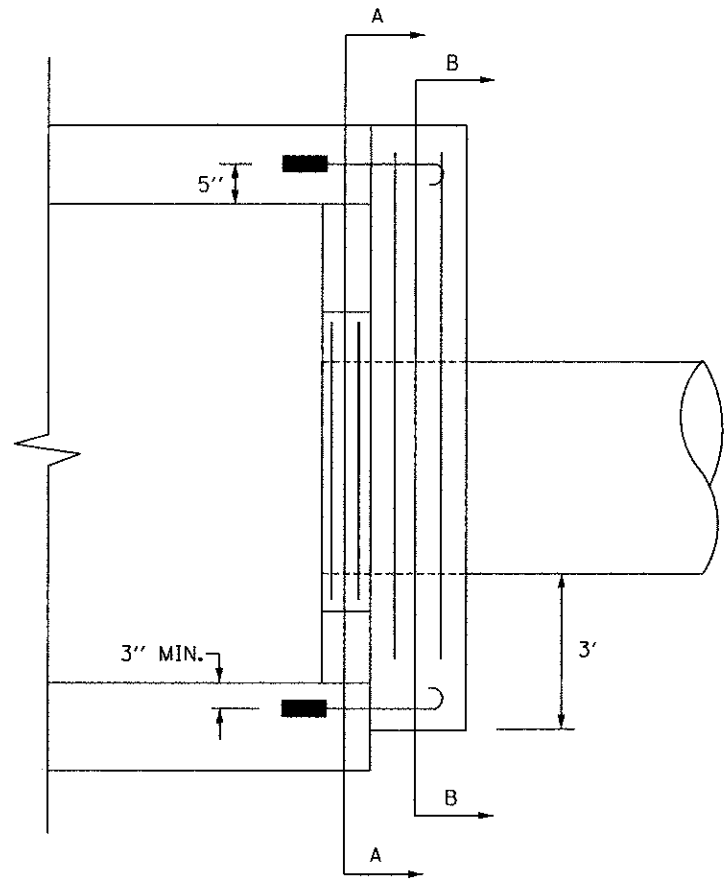
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CAST-IN-PLACE APRON DETAILS
CULVERT #1**

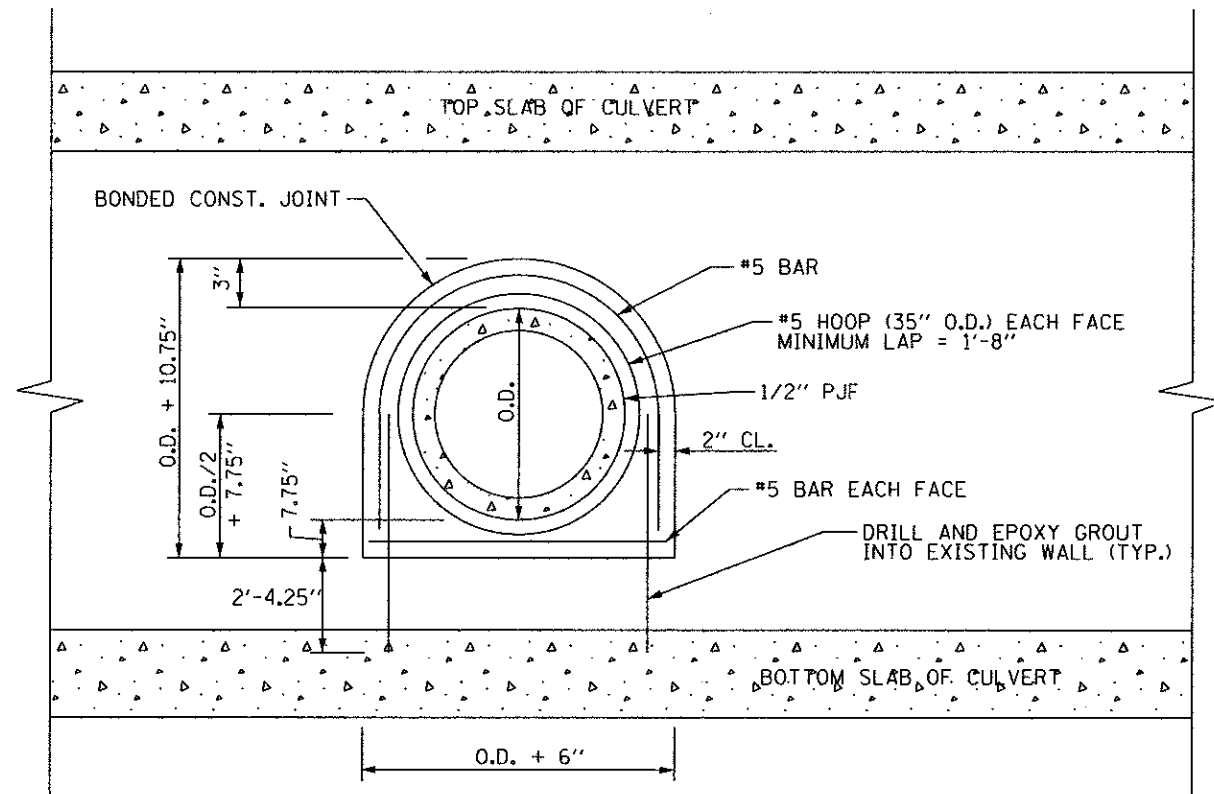
SHEET NO 2 OF 2 SHEETS

F.A.W. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2571	09-00053-00-BR	WILL	25	16
CONTRACT NO. 63797				

ILLINOIS FED. AID PROJECT



SECTION B-B
CONCRETE COLLAR



SECTION A-A
EXISTING BOX CULVERT

CONCRETE COLLAR
TOTAL BILL OF MATERIALS

ITEM	UNITS	TOTAL
CONCRETE COLLAR	CU. YD.	3.21
REINFORCEMENT BARS, EPOXY COATED	POUNDS	580
3/4" DIA. EXPANSION (HOOK) BOLTS	EACH	18
CONCRETE REMOVAL	CU. YD.	0.76

NOTE:

EXCAVATION AND BACKFILL IS INCLUDED IN THE COST OF EARTH EXCAVATION.

EXPANSION BOLTS SHALL BE 3/4" DIA. HOOK BOLTS. HOOK BOLTS SHALL EXTEND A MINIMUM OF 9" INTO NEW CONCRETE.

FINAL INVERT ELEVATION WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.

PRINTED DATE: 1/31/2013
FILE NAME: N:\Projects\09-00053-00-01\Collar.dgn



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CONCRETE COLLAR DETAILS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2571	09-00053-00-BR	WILL	25	17
ILLINOIS FED. AID PROJECT			CONTRACT NO. 63797	



Illinois Department of Transportation
Division of Highways
Terracon

SOIL BORING LOG

Page 1 of 1

Date 12/14/12

ROUTE Schmidt Road DESCRIPTION Lily Cache Creek Culvert LOGGED BY ZR

SECTION _____ LOCATION SEC. , TWP. , RNG. ,

Latitude , Longitude

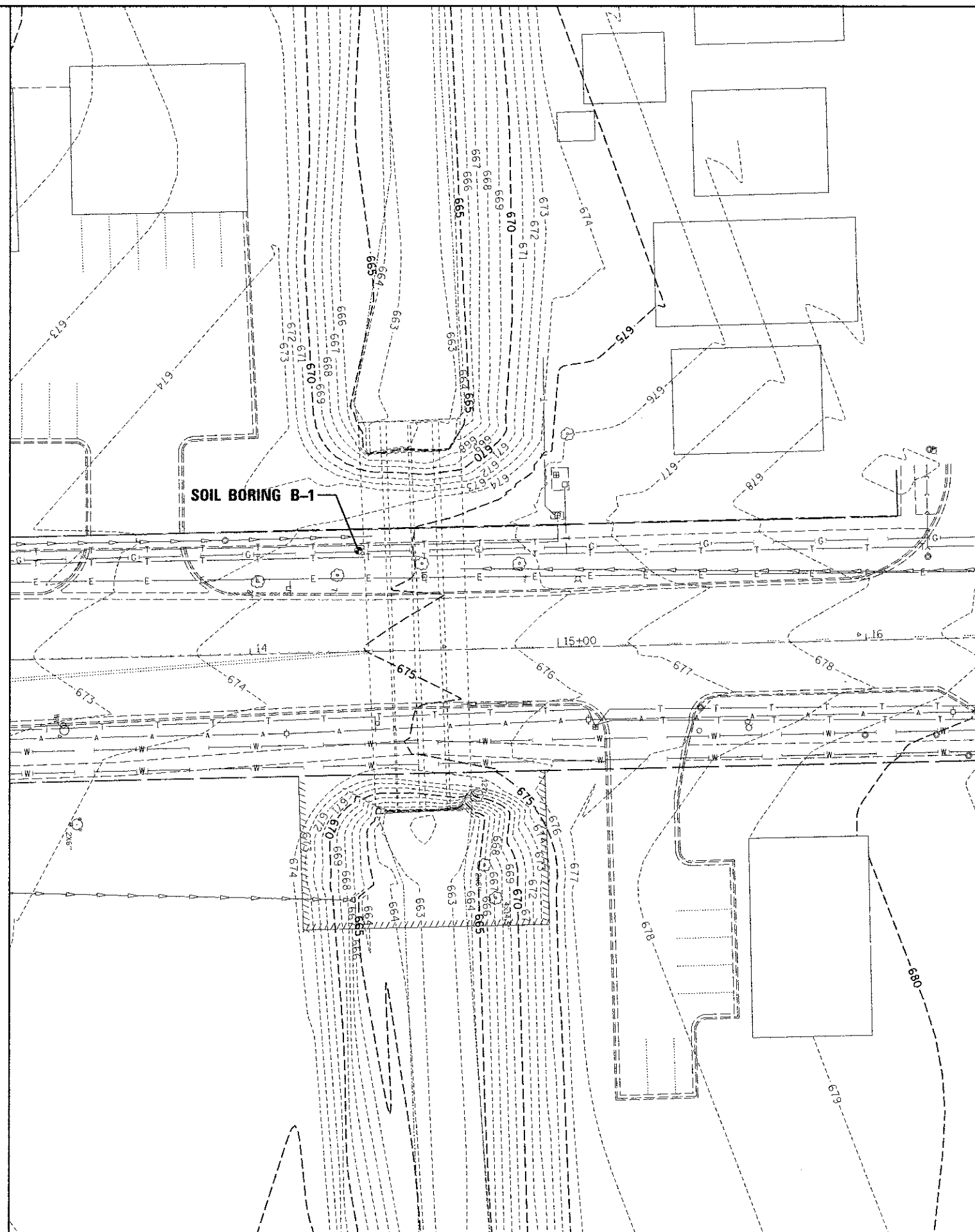
COUNTY Will DRILLING METHOD HSA HAMMER TYPE AUTO

STRUCT. NO.	DEPTH	BLOW	UCS	MOIST	Surface Water Elev.	DEPTH	BLOW	UCS	MOIST
Station	(ft)	(/6")	(tsf)	(%)	ft	(ft)	(/6")	(tsf)	(%)
BORING NO. <u>1</u>					Stream Bed Elev.				
Station <u>14+40</u>					Groundwater Elev.:				
Offset _____					First Encounter _____				
Ground Surface Elev. <u>675.00</u>					Upon Completion _____				
					After Hrs. _____				

FILL: TOPSOIL , approximately 5"	674.60				CLAY , brown, stiff to very stiff (continued)				
FILL: CLAY , brown		8							
Split-spoon sampler encountered apparent coarse gravel/cobble.		10		12					
		11			gray				
	671.00	50		11			7		
CLAY , brown, stiff to very stiff							9	2.5	18
							11	P	
		12				649.00			
		16	3.5	16	SANDY LOAM , brown, very dense, occasional clay lenses				
		17	P						
		4				646.30	50		8
		7	3.0	17	Split-spoon refusal at 28.7 feet				
		9	P		End of Boring				
turning gray									
Sample at 13.5' to 15': with silt seams		6							
		8	2.0	20					
		8	P						
brown		5							
		6	1.0	17					
		5	P						

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

BBS, form 137 (Rev. 8-99)



PRINTED DATE: 2/1/2013
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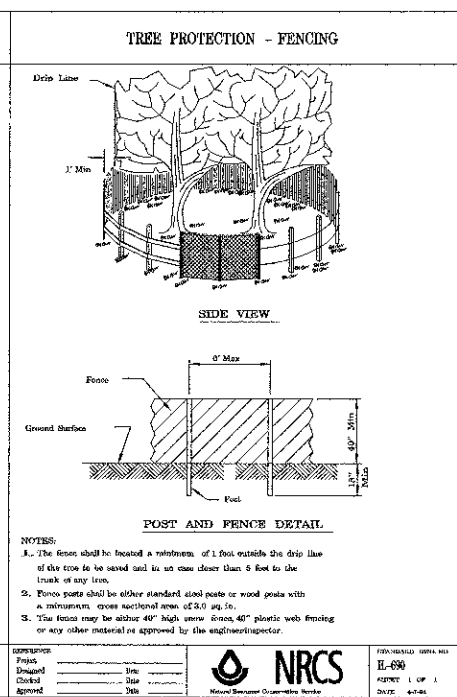
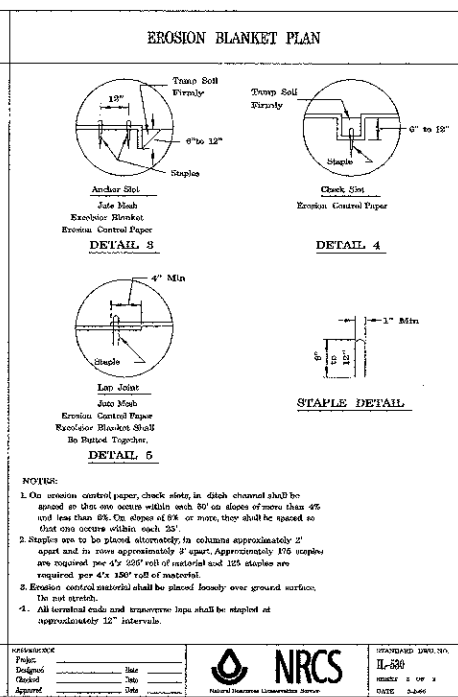
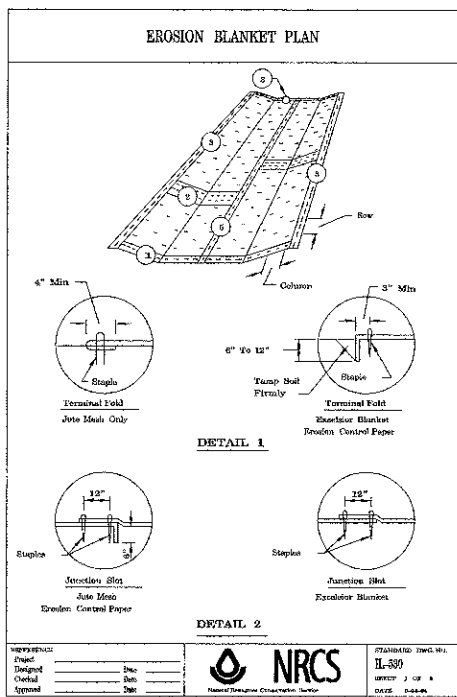


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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL BORING PLAN

F.A.U. RTE 2571	SECTION 09-00053-00-BR	COUNTY WILL	TOTAL SHEETS 25	SHEET NO 18
CONTRACT NO.: 63797				
ILLINOIS FEDERAL AID PROJECT				



CONSTRUCTION NOTES

- CONTRACTOR SHALL INSTALL PROPERLY FITTED INLET PROTECTION ON ALL STORM SEWER STRUCTURES WITHIN CONSTRUCTION WORK ZONE. CONTRACTOR IS RESPONSIBLE FOR THE INSPECTION, CLEANING AND MAINTENANCE OF THE INLET PROTECTION TO ENSURE PROPER CONTROL.
- CONTRACTOR SHALL WATER AND SWEEP IF CONSTRUCTION DEBRIS IS TRACKED ONTO PUBLIC AND PRIVATE STREETS.
- ALL WORK WITHIN LILY CACHE CREEK CHANNEL AND "WATERS OF THE US" SHALL BE DONE IN THE DRY.
- CONTRACTOR SHALL SUBMIT A CONSTRUCTION SEQUENCING PLAN AND DEWATERING PLAN PRIOR TO CONSTRUCTION.
- CONTRACTOR SHALL MAINTAIN LILY CACHE CREEK BASE FLOWS AT ALL TIMES. CONTRACTOR SHALL REMOVE ONLY 2 EXISTING CORRUGATED METAL PIPES AT ANY GIVEN TIME AND THEN IMMEDIATELY CONSTRUCT ONE (1) PROPOSED 11 X 8 PRECAST CONCRETE BOX CULVERT, HEADWALL AND WING WALL WHILE MAINTAINING LILY CACHE CREEK BASE FLOWS.
- DAMMING MAY BE NECESSARY FOR CULVERT REMOVAL AND INSTALLATION. THE USE OF SANDBAGS ARE RECOMMENDED. CONTRACTOR SHALL SUBMIT, FOR APPROVAL, MATERIALS PROPOSED FOR DAMMING.
- ALL DEWATERING SHALL BE DIRECTLY INTO A SEDIMENT BAG.
- ALL SPOILED MATERIALS SHALL BE RELOCATED TO AN UPLAND AREA AND COVERED WITH A WATER TIGHT MATERIAL AND/OR IMMEDIATELY REMOVED FROM THE SITE.
- ALL DISTURBED AREAS SHALL BE STABILIZED. ALL DISTURBED AREAS OUTSIDE OF THE CONSTRUCTION LIMITS SHALL BE DONE AT THE CONTRACTORS EXPENSE.
- CONSTRUCTION MATERIALS AND EQUIPMENT SHALL BE REMOVED FROM THE CREEK CHANNEL AND THE "WATERS OF THE US" AT THE END OF EACH DAY AND STORED IN AN UPLAND AREA ON-SITE.

CONSTRUCTION SEQUENCING

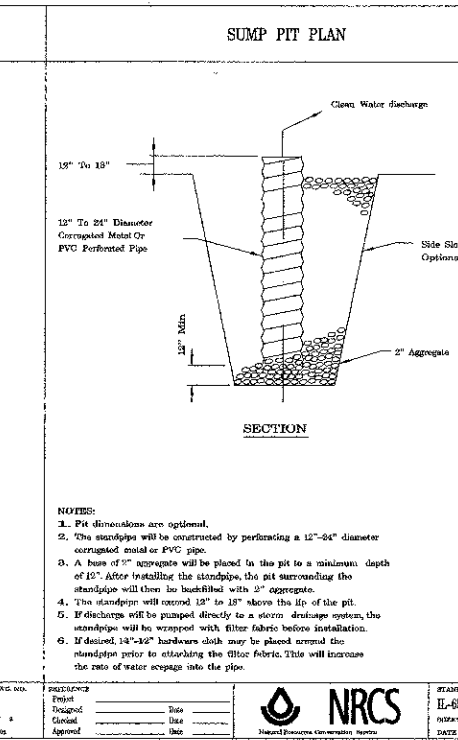
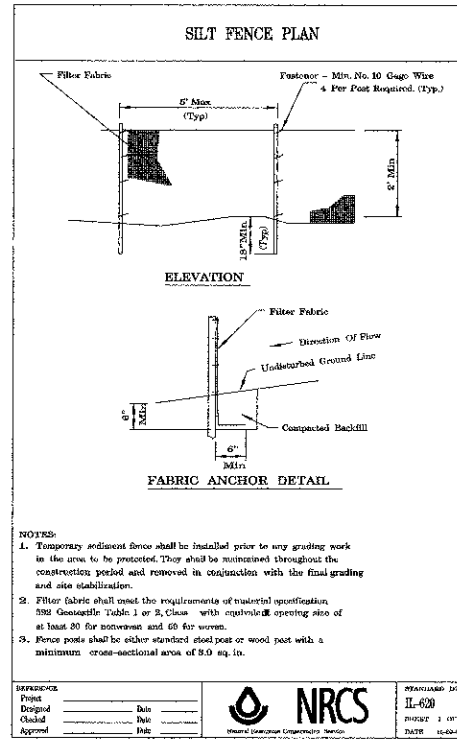
- TRAFFIC CONTROL AND DETOUR INSTALLATION
- CONSTRUCTION STAKING AND LAYOUT
- INSTALLATION OF SESC MEASURES
- DEMOLITION OF ROADWAY AND FIRST TWO (2) EXISTING CORRUGATED METAL PIPE CULVERTS
- CONSTRUCTION OF ONE (1) 11' X 8' PRECAST CONCRETE BOX CULVERT HEADWALL, WING WALL AND SEWER CONNECTIONS
- DEMOLITION OF REMAINING TWO (2) EXISTING CORRUGATED METAL PIPE CULVERTS
- CONSTRUCTION OF ONE (1) 11' X 8' PRECAST CONCRETE BOX CULVERT, HEADWALL, WING WALL AND SEWER CONNECTIONS
- CONSTRUCTION OF SIDEWALK AND ROADWAY
- FINE GRADING AND FINAL STABILIZATION
- RECORD DRAWINGS

STORMWATER POLLUTION PREVENTION

- ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS, THE APPROVED STORMWATER POLLUTION PREVENTION PLAN AND THE FOLLOWING STANDARD SPECIFICATIONS:
 - THE ILLINOIS URBAN MANUAL, USDA NATURAL RESOURCES CONSERVATION SERVICE (LATEST EDITION)
 - THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, ILLINOIS DEPARTMENT OF TRANSPORTATION (LATEST EDITION)
- PRIOR TO COMMENCING LAND-DISTURBING ACTIVITIES IN AREAS OTHER THAN INDICATED ON THESE PLANS (INCLUDING BUT NOT LIMITED TO ADDITIONAL PHASES OF DEVELOPMENT AND OFF-SITE BORROW OR WASTE AREAS) A SUPPLEMENTARY STORMWATER POLLUTION PREVENTION PLAN SHALL BE SUBMITTED BY THE CONTRACTOR TO THE OWNER FOR REVIEW BY THE VILLAGE.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLATION OF ANY ADDITIONAL STORMWATER POLLUTION CONTROL MEASURES NECESSARY TO PREVENT STORMWATER POLLUTION AS DETERMINED BY THE VILLAGE.
- ADDITIONAL PERIMETER SILT FENCE MAY BE NEEDED IN AREAS NOT SHOWN ON PLANS. CONTRACTOR SHALL MONITOR LIMITS OF PROJECT ON A REGULAR BASIS TO DETERMINE IF SUCH AREAS EXIST AND INSTALL ADDITIONAL SILT FENCE AS NEEDED.
- RUNOFF FROM DISTURBED AREAS SHALL NOT LEAVE THE SITE WITHOUT FIRST PASSING THROUGH STORMWATER POLLUTION PREVENTION MEASURES OR DEVICES.
- ALL APPROPRIATE STORMWATER POLLUTION PREVENTION MEASURES ARE TO BE IN PLACE BEFORE ANY EARTH DISTURBANCE BEGINS ON THE SITE.
- ALL STORMWATER POLLUTION PREVENTION MEASURES AND DEVICES SHALL BE INSPECTED AFTER ONE-HALF INCH OR MORE OF RAINFALL AND EVERY 7 DAYS AND REPAIRED OR REPLACED TO KEEP THE MEASURES AND DEVICES FUNCTIONING PROPERLY.
- EXCEPT AS PROVIDED IN PARAGRAPHS (A) AND (B) BELOW, THE SURFACE OF STRIPPED AREAS SHOULD BE PERMANENTLY OR TEMPORARILY PROTECTED FROM SOIL EROSION AS SOON AS PRACTICABLE IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED, BUT IN NO CASE MORE THAN 7 DAYS AFTER THE CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS TEMPORARILY OR PERMANENTLY CEASED AS FOLLOWS:
 - WHERE THE INITIATION OF STABILIZATION MEASURES BY THE 7TH DAY AFTER CONSTRUCTION ACTIVITY TEMPORARILY OR PERMANENTLY CEASES ON A PORTION OF THE SITE IS PRECLUDED BY SNOW COVER, STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE.
 - WHERE CONSTRUCTION ACTIVITY WILL RESUME ON A PORTION OF THE SITE WITHIN 14 DAYS FROM WHEN ACTIVITIES CEASED, (E.G. THE TOTAL TIME PERIOD THAT CONSTRUCTION ACTIVITY IS TEMPORARILY CEASED IS LESS THAN 14 DAYS) THEN STABILIZATION MEASURES DO NOT HAVE TO BE INITIATED ON THAT PORTION OF THE SITE BY THE 7TH DAY AFTER CONSTRUCTION ACTIVITY TEMPORARILY CEASED.
- STOCKPILES OF SOIL AND OTHER BUILDING MATERIALS (AGGREGATE, LIMESTONE, ETC.) TO REMAIN IN PLACE FOR MORE THAN THREE DAYS SHALL BE FURNISHED WITH STORMWATER POLLUTION PREVENTION MEASURES. STOCKPILES OF SOIL TO REMAIN IN PLACE FOR MORE THAN 60 DAYS SHALL BE STABILIZED WITH TEMPORARY SEEDING.
- ALL STORM SEWER INLETS SHALL BE PROTECTED WITH SEDIMENT TRAPPING OR FILTERING DEVICES DURING CONSTRUCTION.
- WATER DISCHARGED DURING CONSTRUCTION DEWATERING SHALL BE FILTERED AND DISCHARGED USING MEASURES OR DEVICES TO DISSIPATE ENERGY AND REDUCE THE EROSION POTENTIAL OF THE DISCHARGE.
- STABILIZED CONSTRUCTION ENTRANCES SHALL BE PROVIDED TO PREVENT SOIL FROM BEING TRACKED ONTO PUBLIC OR PRIVATE ROADWAYS. ANY SOIL TRACKED ONTO PUBLIC OR PRIVATE ROADWAYS SHALL BE REMOVED BEFORE THE END OF EACH WORKDAY. IF CONDITIONS ARE SUCH THAT THE MAJORITY OF SOIL IS NOT REMOVED WHEN VEHICLES TRAVEL OVER THE COARSE AGGREGATE, VEHICLE WASH DOWN FACILITIES SHALL BE PROVIDED.
- UNLESS OTHERWISE INDICATED, ALL VEGETATIVE AND STRUCTURAL EROSION AND SEDIMENT CONTROL PRACTICES WILL BE ILLINOIS URBAN MANUAL REVISION FEBRUARY 2002.

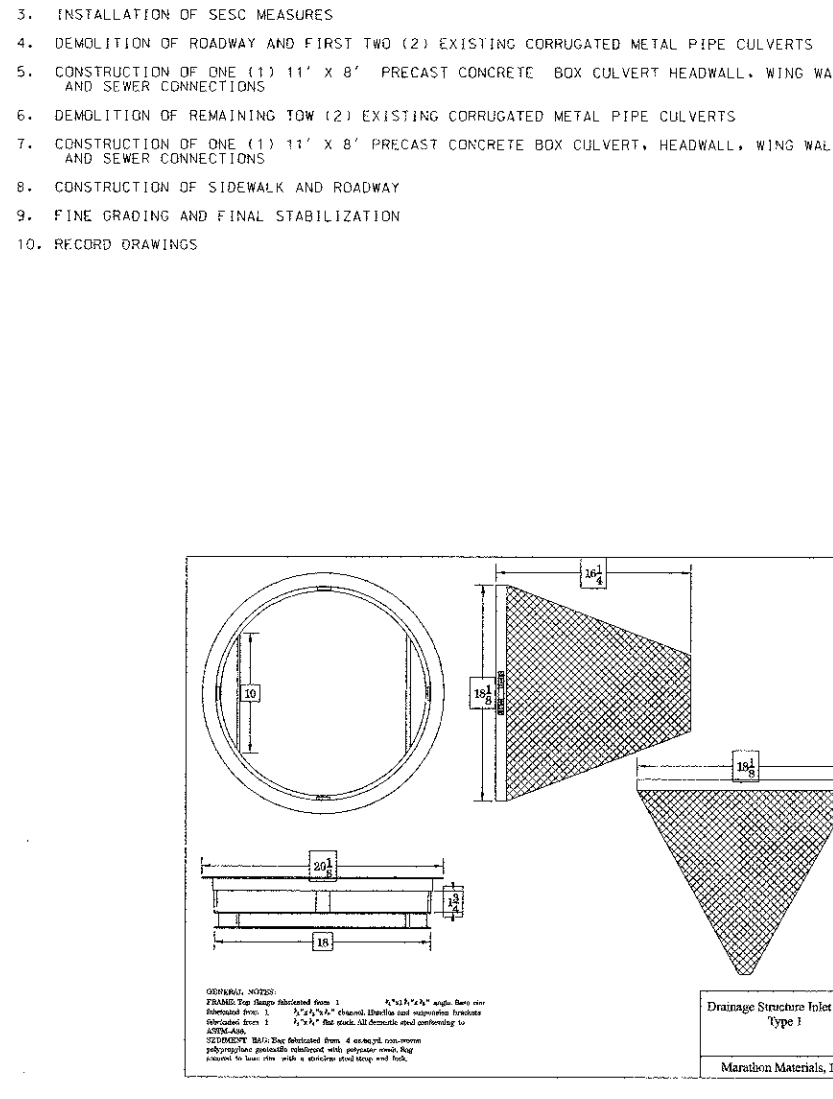
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SALT TOLERANT SODDING												
CLASS 1, 1A MIX												
CLASS 4 MIX												
PERMANENT SEEDING												
MULCHING												

STABILIZATION TYPE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
SALT TOLERANT SODDING												
CLASS 1, 1A MIX												
CLASS 4 MIX												
PERMANENT SEEDING												
MULCHING												



NOTES:

- Pit dimensions are optional.
- The standpipes will be constructed by perforating a 12"-18" diameter corrugated metal or PVC pipe.
- A base of 2" aggregate will be placed in the pit to a minimum depth of 12". After installing the standpipes, the pit surrounding the standpipes will then be backfilled with 2" aggregate.
- The standpipes will extend 12" to 18" above the lip of the pit.
- If discharge will be pumped directly to a storm drainage system, the standpipes will be wrapped with filter fabric before installation.
- If discharging 12"-18" diameter discharge may be placed around the standpipes prior to attaching the filter fabric. This will increase the rate of water seepage into the pipe.



GENERAL NOTES:

FRAME: The frame indicated from 1. 4" x 4" x 1/2" angle iron rivet fastened from 1. 1/2" x 1/2" x 1/2" channel, flatbar and expansion brackets fabricated from 1. 1/2" x 1/2" flat stock. All domestic steel conforming to ASTM A36.

SEDIMENT BAG: The sediment bag fabricated from 4 oz weight non-woven polypropylene geotextile reinforced with polyester mesh. Bag resistant to tear, rips with a minimum steel strip and hole.

GENERAL NOTES:

FRAME: The frame indicated from 1. 4" x 4" x 1/2" angle iron rivet fastened from 1. 1/2" x 1/2" x 1/2" channel flatbar and expansion brackets fabricated from 1. 1/2" x 1/2" flat stock. All domestic steel conforming to ASTM A36.

SEDIMENT BAG: The sediment bag fabricated from 4 oz weight non-woven polypropylene geotextile reinforced with polyester mesh. Bag resistant to tear, rips with a minimum steel strip and hole.

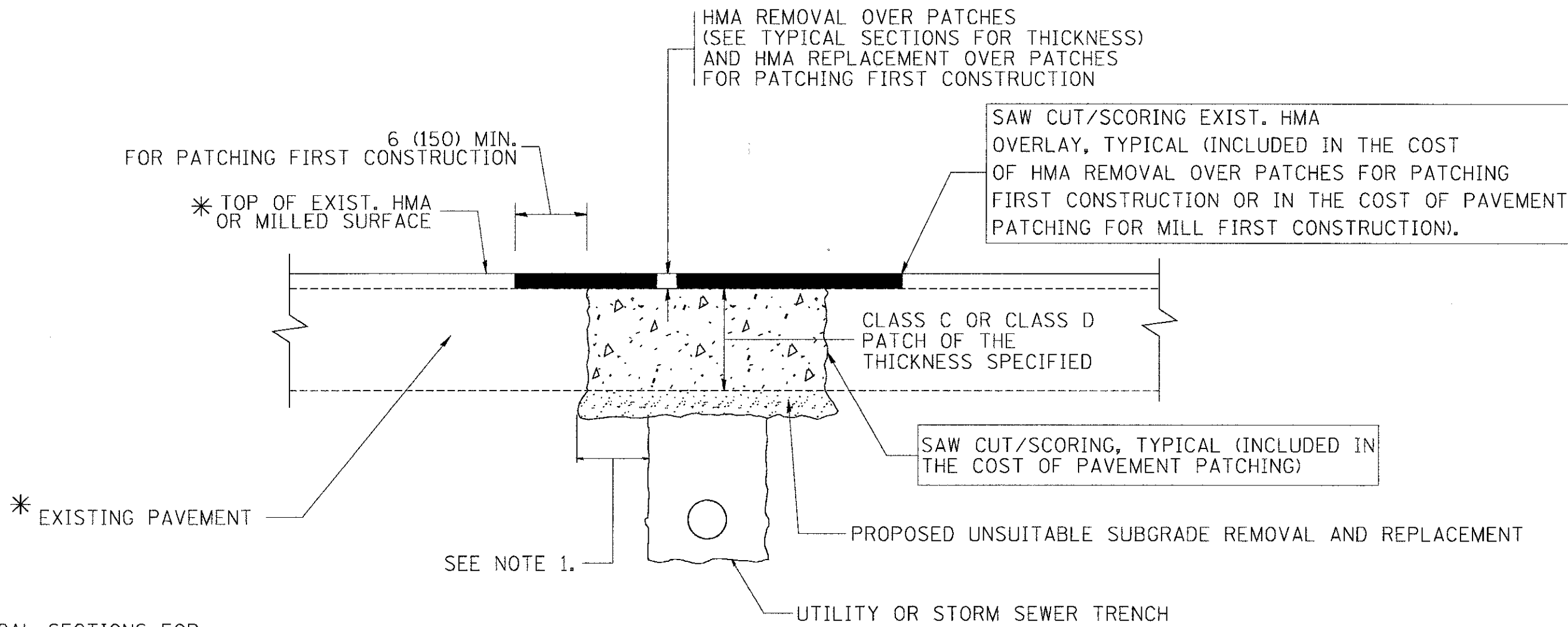


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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EROSION CONTROL DETAILS

F.A.U. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
2471	09-00053-00-BR	WILL	25	19
CONTRACT NO.: 6.1797				
ILLINOIS/FEDERAL AID PROJECT				



* SEE TYPICAL SECTIONS FOR THICKNESS AND MATERIALS

NOTES:

1. THE WIDTH OF THE FULL DEPTH PATCH OVER A TRENCH SHALL BE 12 (300) WIDER ON EACH SIDE OF THE TRENCH.
2. FOR METHOD OF MEASUREMENT AND BASIS OF PAYMENT, SEE RECURRING SPECIAL PROVISION "PATCHING WITH HOT-MIX ASPHALT OVERLAY REMOVAL".

SEQUENCE OF CONSTRUCTION (PATCHING FIRST)

1. REMOVE THE EXISTING HMA MATERIAL OVER THE AREA TO BE PATCHED.
2. REMOVE AND REPLACE WITH CLASS C OR D PATCH.
3. REPLACE HMA MATERIAL OVER THE AREA TO BE PATCHED.

SEQUENCE OF CONSTRUCTION (MILLING FIRST)

1. MILL HMA FIRST IF THERE IS AT LEAST 4 1/2 INCHES OR MORE OF HMA MATERIAL ON TOP OF THE EXISTING PAVEMENT OR IF THE PAVEMENT IS FULL DEPTH HMA. A MINIMUM OF 2 INCHES OF HMA MATERIAL SHALL BE IN PLACE AFTER MILLING.
2. REMOVE AND REPLACE WITH FULL DEPTH CLASS D PATCHES TO TOP OF MILLED SURFACE.

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

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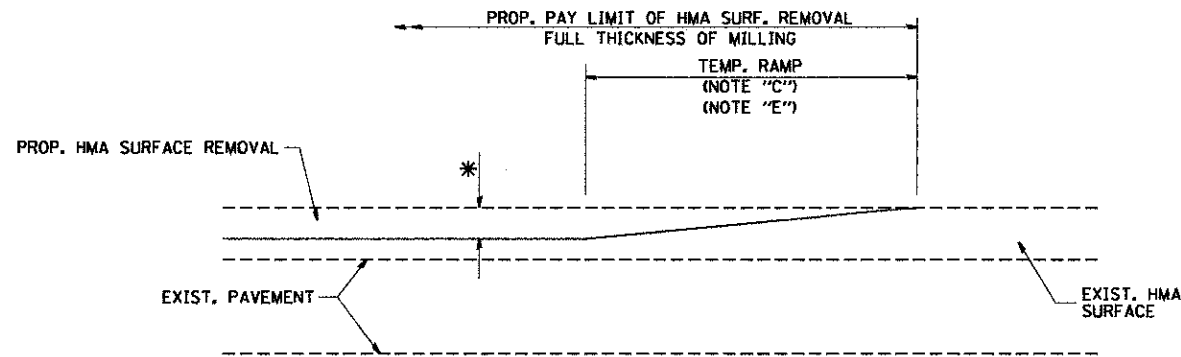


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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

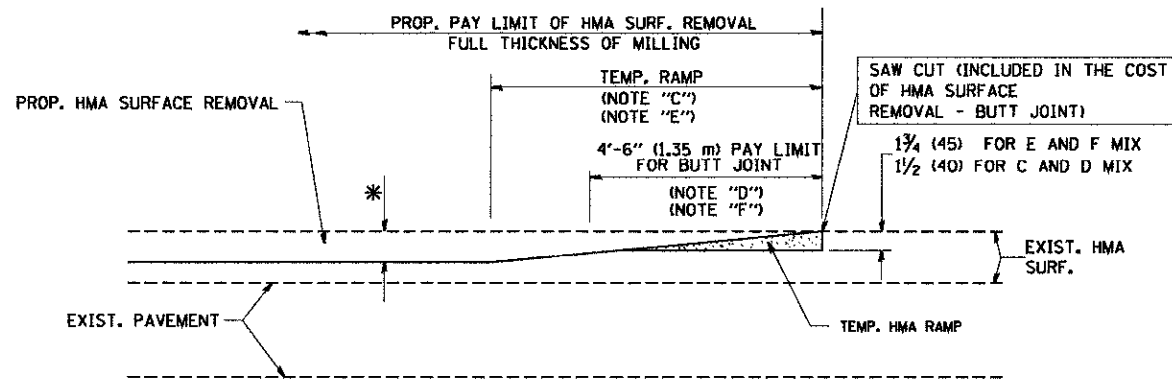
PAVEMENT PATCHING FOR HMA
SURFACED PAVEMENT- BD-22

F.A.I. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
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			CONTRACT NO.: 63797	
ILLINOIS FEDERAL AID PROJECT				



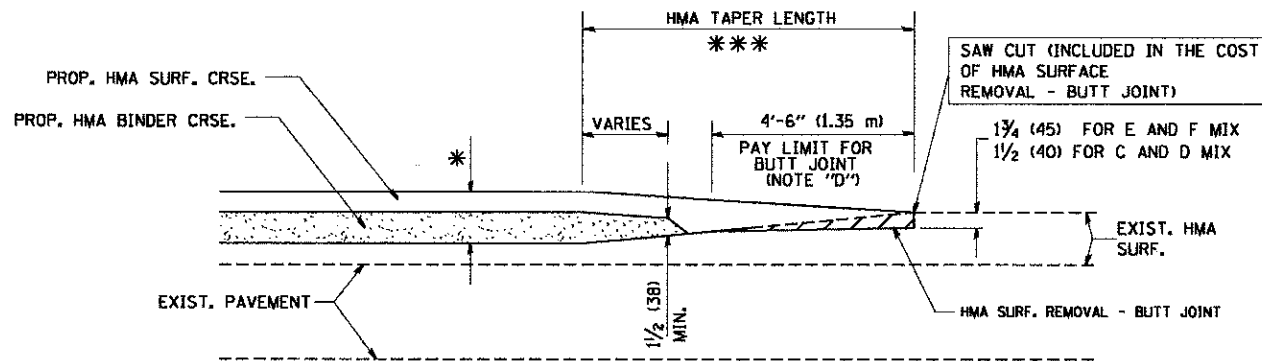
MILLED TEMPORARY RAMP
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

OPTION 1

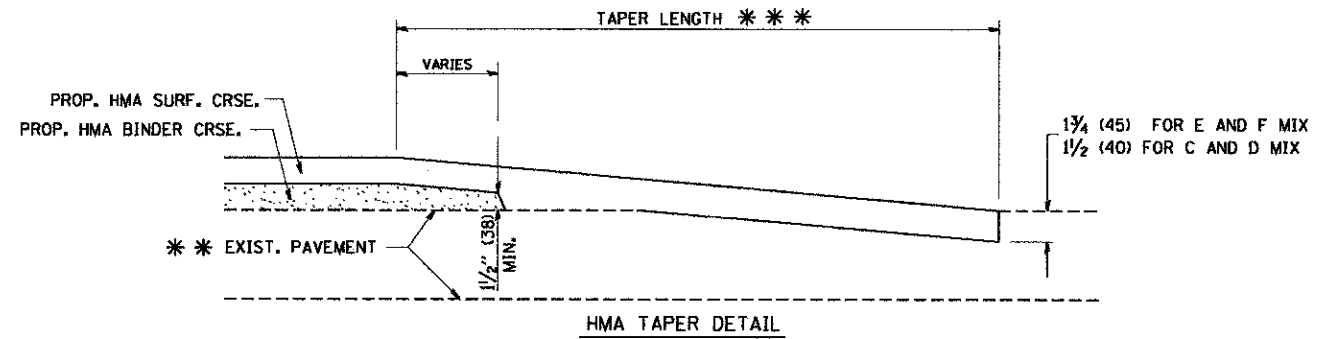
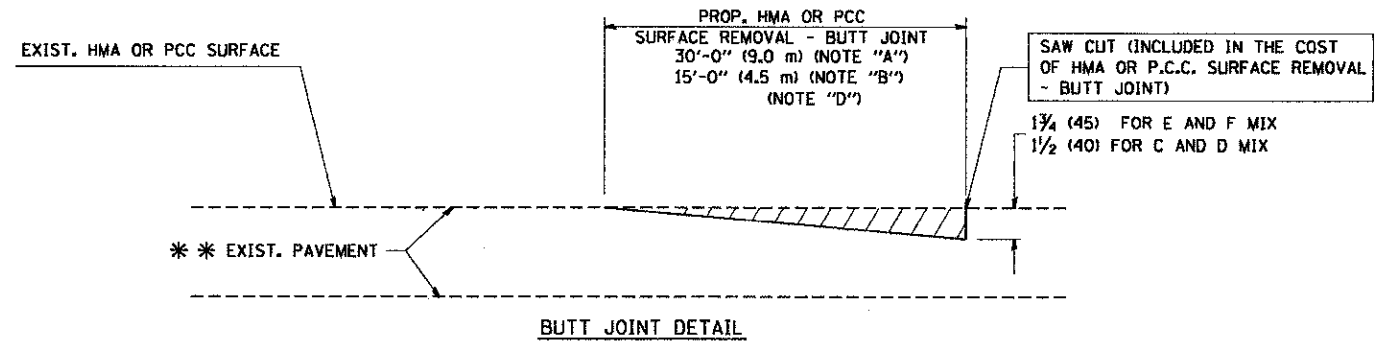


HMA CONSTRUCTED TEMPORARY RAMP
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

OPTION 2
TYPICAL TEMPORARY RAMP



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



TYPICAL BUTT JOINT AND HMA TAPER
FOR RESURFACING ONLY

** PC CONCRETE, HMA OR HMA RESURFACED PAVEMENT.

NOTES

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

BASIS OF PAYMENT:

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

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

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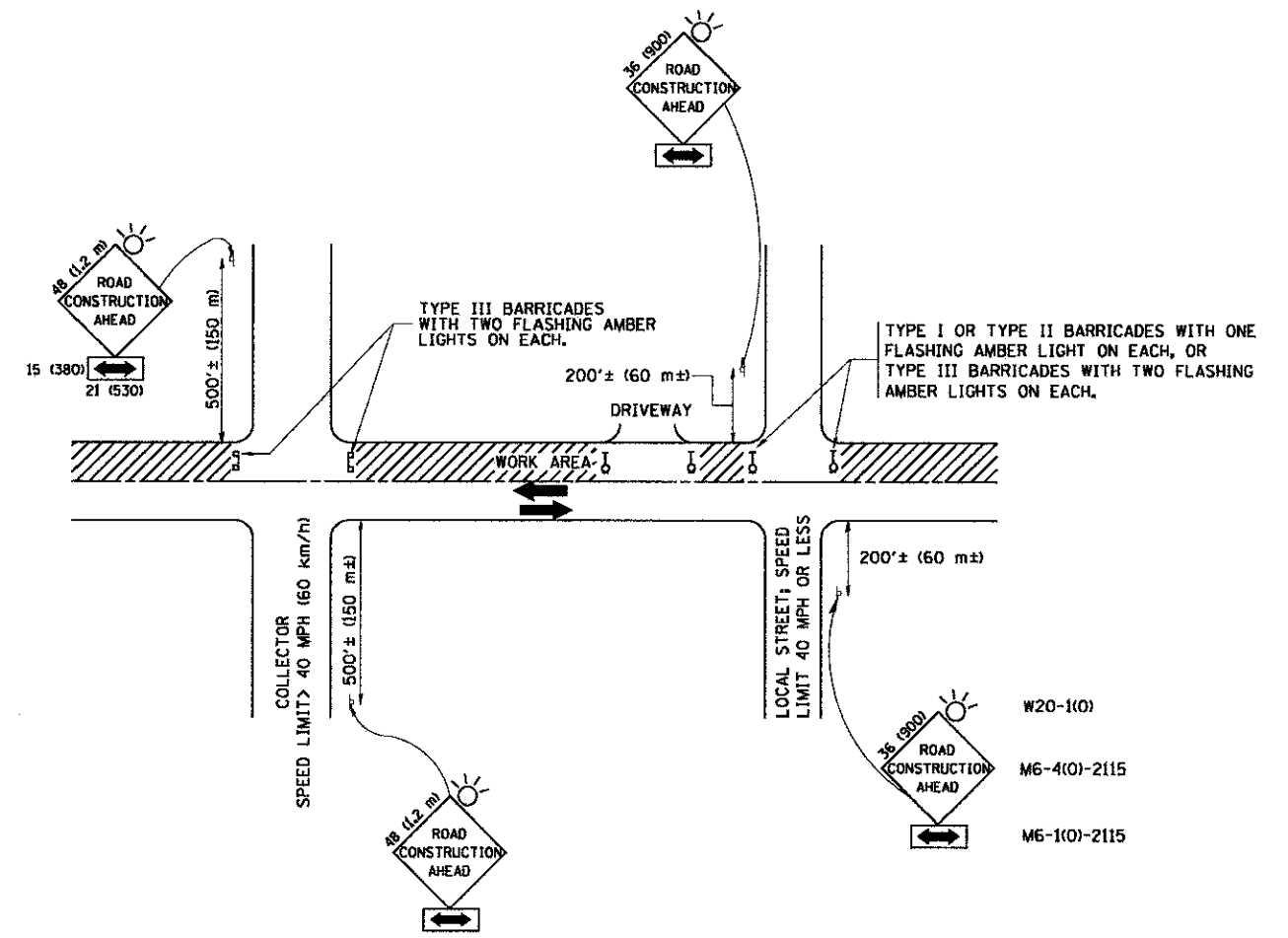


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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BUTT JOINT AND HMA TAPER DETAILS- BD-32

F.A.U. RTE 2571	SECTION 09-00053-00-BR	COUNTY WILL	TOTAL SHEETS 25	SHEET NO 21
CONTRACT NO.: 63797				
ILLINOIS FEDERAL AID PROJECT				



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

NOTES:

- A. FOR NO LANE RESTRICTION ON THE SIDE ROAD OR DRIVEWAYS
 1. SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - a) ONE ROAD CONSTRUCTION AHEAD SIGN 36 x 36 (900x900) WITH A FLASHER AND FLAG MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.
 - b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.
 2. SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - a) ONE ROAD CONSTRUCTION AHEAD SIGN 48 x 48 (1.2 m x 1.2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE OF THE MAIN ROUTE.
 - b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.
 - 3. WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).
- B. FOR A LANE CLOSURE ON A SIDE ROAD OR DRIVEWAY:

USE APPLICABLE PORTIONS OF THE TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES (STD. 70150L, STD. 70160G OR THE APPROPRIATE STANDARD). THE SPACING OF SIGNS AND BARRICADES SHALL BE ADJUSTED FOR FIELD CONDITIONS AS DIRECTED BY THE ENGINEER. THE DIRECTIONAL ARROW SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE SIDE ROAD LANE CLOSURE.
 - C. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAY UNLESS OTHERWISE NOTED.
 - D. THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCIDENTAL TO THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

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

PRINTED DATE: 2/1/2013
 FILE NAME: K:\Projects\Stingbrook\Schmidt Road Culvert\Schmidt Rd over Lily Cashes Ph. 2\CADD\Coverage\Sheets\22 DISTRICT 1, TC-10.dgn

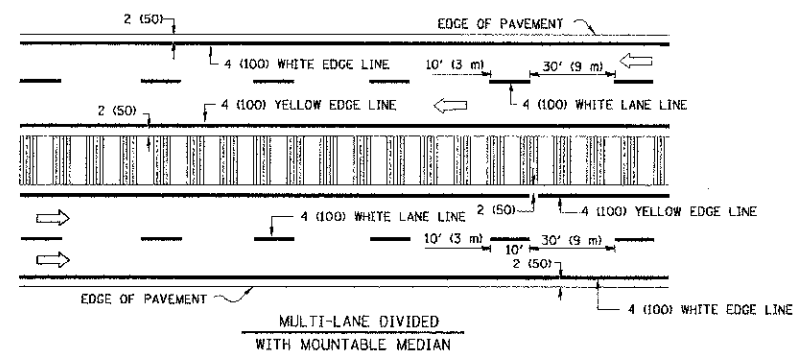
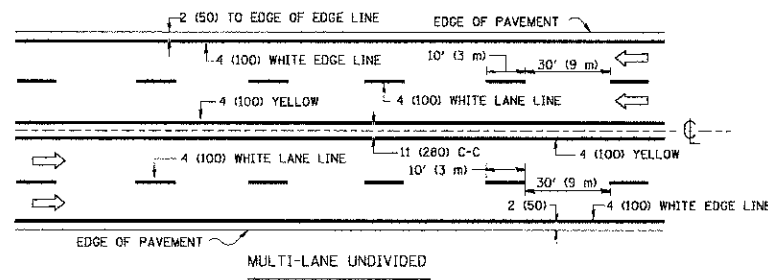
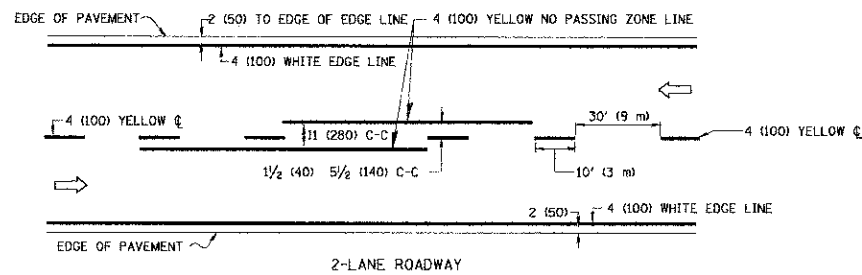


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	DATE - 2/1/2013	REVISED -

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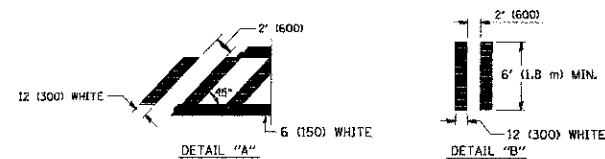
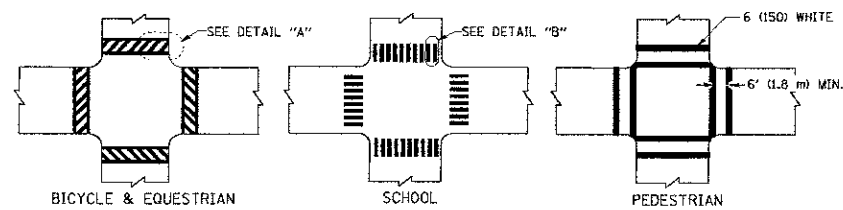
TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS- TC-10

F.A.U. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
2571	09-00053-00-BR	WILL	25	22
CONTRACT NO.:			63797	
ILLINOIS FEDERAL AID PROJECT				

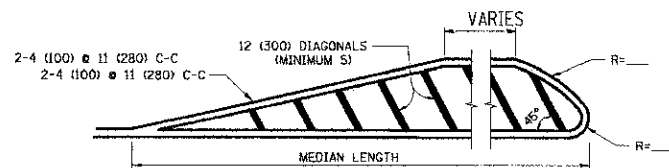
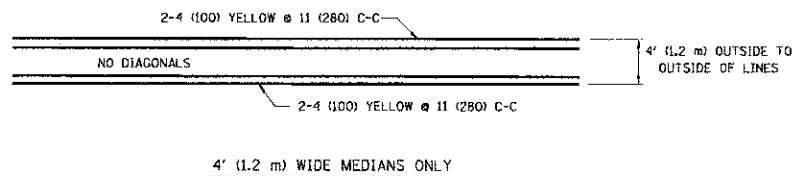


NOTE: MEDIANS WITH BARRIER CURB DO NOT REQUIRE AN EDGE LINE

TYPICAL LANE AND EDGE LINE MARKING



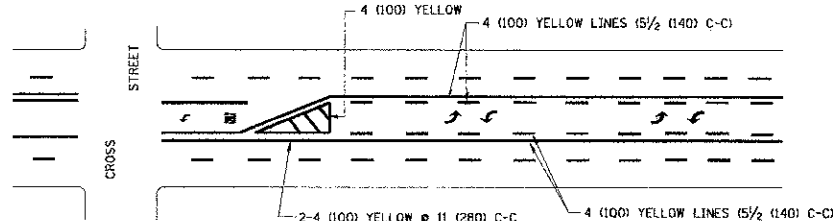
TYPICAL CROSSWALK MARKING



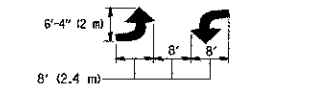
FOR MEDIAN LENGTHS WHERE DIAGONAL SPACING CANNOT BE ATTAINED, USE 5 (FIVE) EQUALLY SPACED DIAGONAL LINES.

DIAGONAL LINE SPACING: 50' (15 m) C-C (LESS THAN 30MPH (50 km/h))
 75' (25 m) C-C (30MPH (50 km/h) TO 45MPH (70 km/h))
 150' (45 m) C-C (MORE THAN 45MPH (70 km/h))

MEDIANS OVER 4' (1.2 m) WIDE

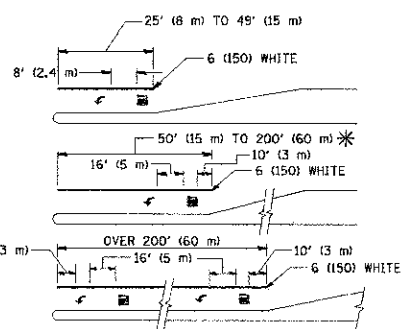


A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.



MEDIAN WITH TWO-WAY LEFT TURN LANE

TYPICAL PAINTED MEDIAN MARKING

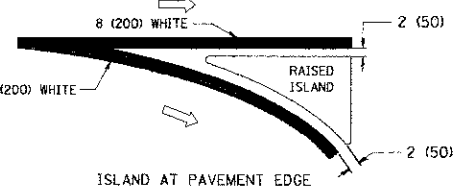
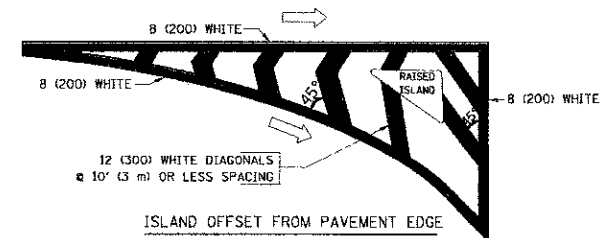


FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.
 * AREA = 15.6 SQ. FT. (1.5 m²) * AREA = 20.8 SQ. FT. (1.9 m²)

* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING



TYPICAL ISLAND MARKING

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

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

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

PRINTED DATE: 2/1/2013
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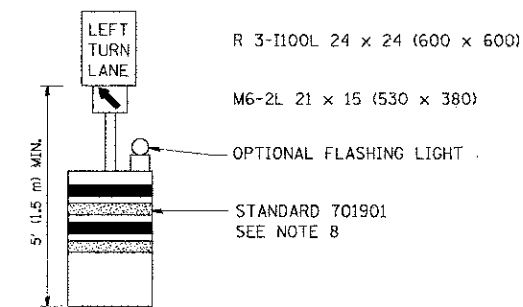
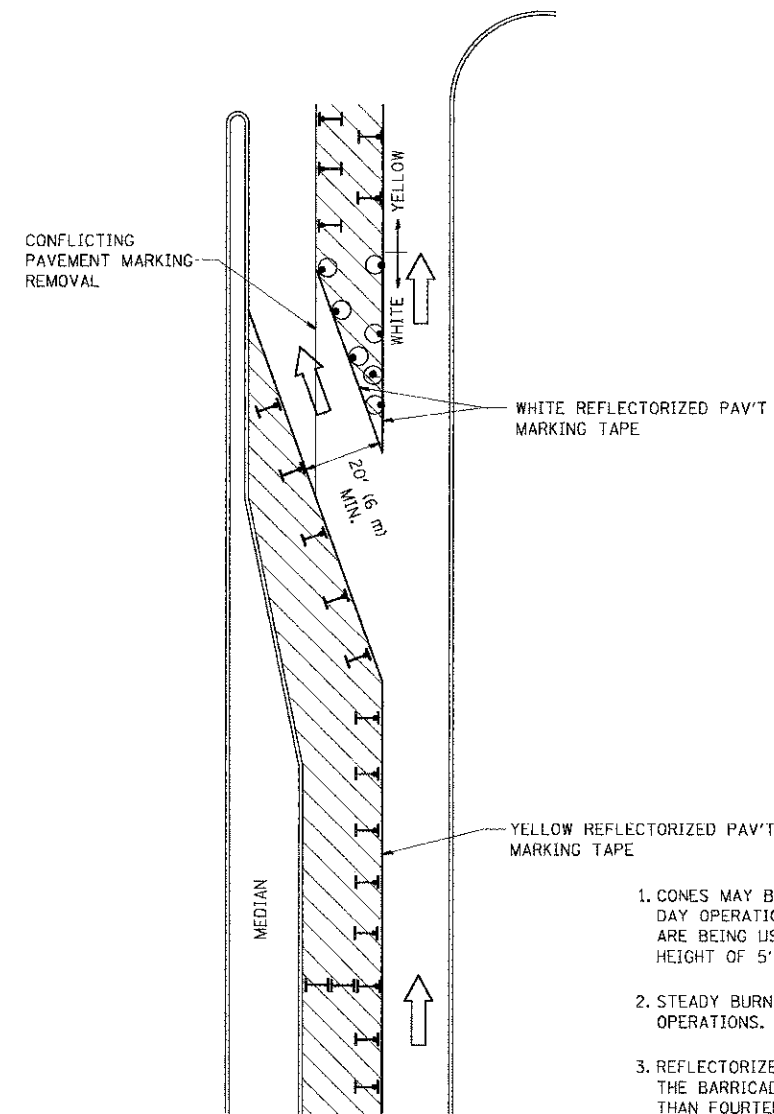
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

DISTRICT ONE TYPICAL PAVEMENT MARKINGS- TC-13

F.A.U. RTE 2571	SECTION 09-00053-00-BR	COUNTY WILL	TOTAL SHEETS 25	SHEET NO. 23
CONTRACT NO.: 63797				
ILLINOIS FEDERAL AID PROJECT				

PRINTED DATE: 2/1/2013
 FILE NAME: K:\Projects\Ball's Brook\Schmidt, Road Culvert\Schmidt, Rd over Lilly Centre Ph. 2\CADD\Drawings\Sheet\24 DISTRICT 1, TC-14.dgn



GENERAL NOTES

1. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT. WHEN CONES ARE BEING USED, THE "LEFT TURN LANE" SIGN MAY BE SKID MOUNTED AT A MINIMUM HEIGHT OF 5' (1.5 m).
2. STEADY BURNING LIGHTS WILL NOT BE REQUIRED ON BARRICADES OR DRUMS FOR DAY OPERATIONS. ALL LIGHTS SHALL BE MONODIRECTIONAL.
3. REFLECTORIZED TEMPORARY PAVEMENT MARKING TAPE SHALL BE PLACED THROUGHOUT THE BARRICADED AREA OF EACH TURN BAY WHERE THE CLOSURE TIME IS GREATER THAN FOURTEEN DAYS.
4. THIS APPLICATION ALSO APPLIES WHEN WORK IS BEING PERFORMED IN THE RIGHT LANE(S) AND THE RIGHT TURN BAY IS TO REMAIN OPEN. UNDER THIS CONDITION, "RIGHT TURN LANE" R3-100 24 x 24 (600 x 600) AND M6-2R 21 x 15 (530 x 380) SHALL BE USED.
5. THESE CONTROLS SHALL SUPPLEMENT MAINLINE TRAFFIC CONTROL FOR LANE CLOSURES.
6. LONGITUDINAL DIMENSIONS MAY BE ADJUSTED TO FIT FIELD CONDITIONS.
7. FORM OPER 725 IS REQUIRED.
8. IF A DRUM OR TYPE II BARRICADE WITH AN ATTACHED SIGN PANEL WHICH MEETS NCHRP 350 REQUIREMENTS IS NOT AVAILABLE, THE SIGNS SHALL BE MOUNTED, ABOVE THE BARRICADES, ON SEPARATE SIGNS SUPPORTS THAT MEET NCHRP 350 REQUIREMENTS.
9. TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) SHALL BE INCLUDED IN THE COST SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

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

LEGEND

- WORK AREA
- LANE OPEN TO TRAFFIC
- TYPE I OR II BARRICADE WITH STEADY BURN LIGHT
- DRUM WITH STEADY BURN LIGHT
- DRUM WITH SIGN (WITH OPTIONAL FLASHING LIGHT) SEE DETAIL
- TYPE I OR II CHECK BARRICADE WITH FLASHING LIGHT

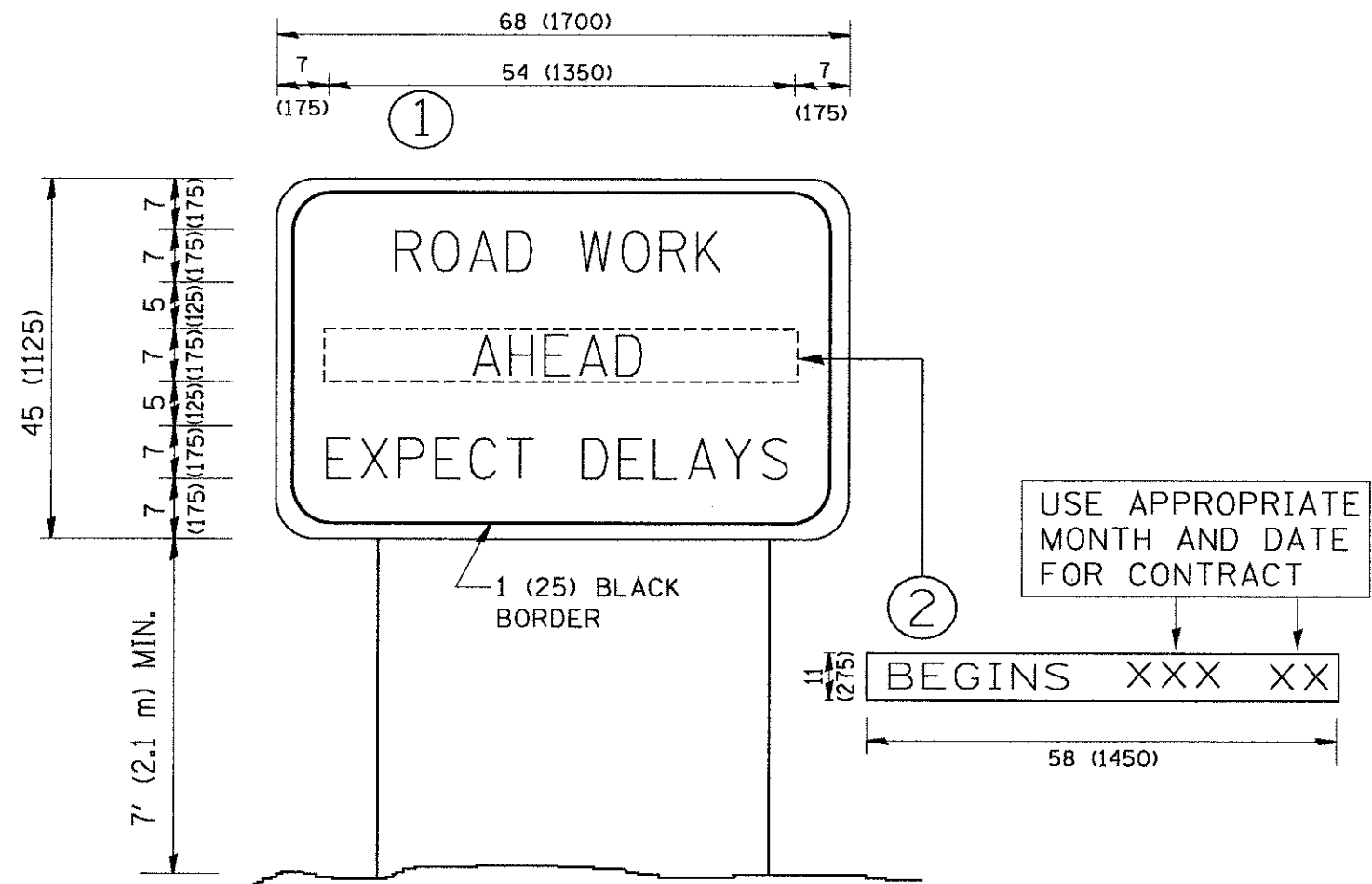


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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC CONTROL AND PROTECTION AT TURN BAYS
(TO REMAIN OPEN TO TRAFFIC)- TC-14**

F.A.I.D. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
2571	09-00053-00-BR	WILL	25	24
CONTRACT NO.: 63797				
ILLINOIS/FEDERAL AID PROJECT				



NOTES:

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

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

PRINTED DATE: 2/1/2013
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 PROJECT: 09-00053-00-BR
 SHEET: 25 OF 25



USER NAME = #USER#	DESIGNED - JC	REVISED -
	DRAWN - DN	REVISED -
PLOT SCALE = 1/8" = 1' IN.	CHECKED - MR	REVISED -
PLOT DATE = 2/1/2013	DATE - 2/1/2013	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ARTERIAL ROAD INFORMATION SIGN- TC-22

F.A.U. RTE 2571	SECTION 09-00053-00-BR	COUNTY WILL	TOTAL SHEETS 25	SHEET NO 25
CONTRACT NO.: 63797			ILLINOIS FEDERAL AID PROJECT	