

04-22-2016 LETTING ITEM 144

FOR INDEX OF SHEETS, SEE SHEET NO. 2

FOR LIST OF STATE AND LOCAL STANDARDS, SEE SHEET NO. 2

TRAFFIC DATA - STEGER ROAD

POSTED SPEED: 35 MPH
DESIGN SPEED: 40 MPH
CURRENT ADT (2015): 3,744 VPD
DESIGN ADT (2040): 7,000 VPD

DESIGN DESIGNATION
MAJOR COLLECTOR

STATE OF ILLINOIS

DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PLANS FOR PROPOSED
FEDERAL AID PROJECT

FAU 1634 (STEGER ROAD)

FAU 6859 (SCHEER ROAD) TO FAU 330 (US ROUTE 45)
ROADWAY RECONSTRUCTION AND BRIDGE REPLACEMENT

SECTION NO.: 11-00047-00-FP

PROJECT NO.: BRM-M-9003 (840)

VILLAGE OF FRANKFORT
WILL COUNTY

JOB NO.: C-91-600-11

R 12E 3RD PRIME MERIDIAN

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1634	11-00047-00-FP	WILL	198	1
FED. ROAD DIST. NO. 1		ILLINOIS	CONTRACT NO. 61C70	



LOCATION OF SECTION INDICATED THUS: - [Symbol] -
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PASSED February 9, 2016
[Signature]
DISTRICT 1 ENGINEER OF LOCAL ROADS & STREETS
RELEASED FOR BID
BASED ON LIMITED
REVIEW February 16, 2016
[Signature]
DEPUTY DIRECTOR OF HIGHWAYS, REGION 1 ENGINEER

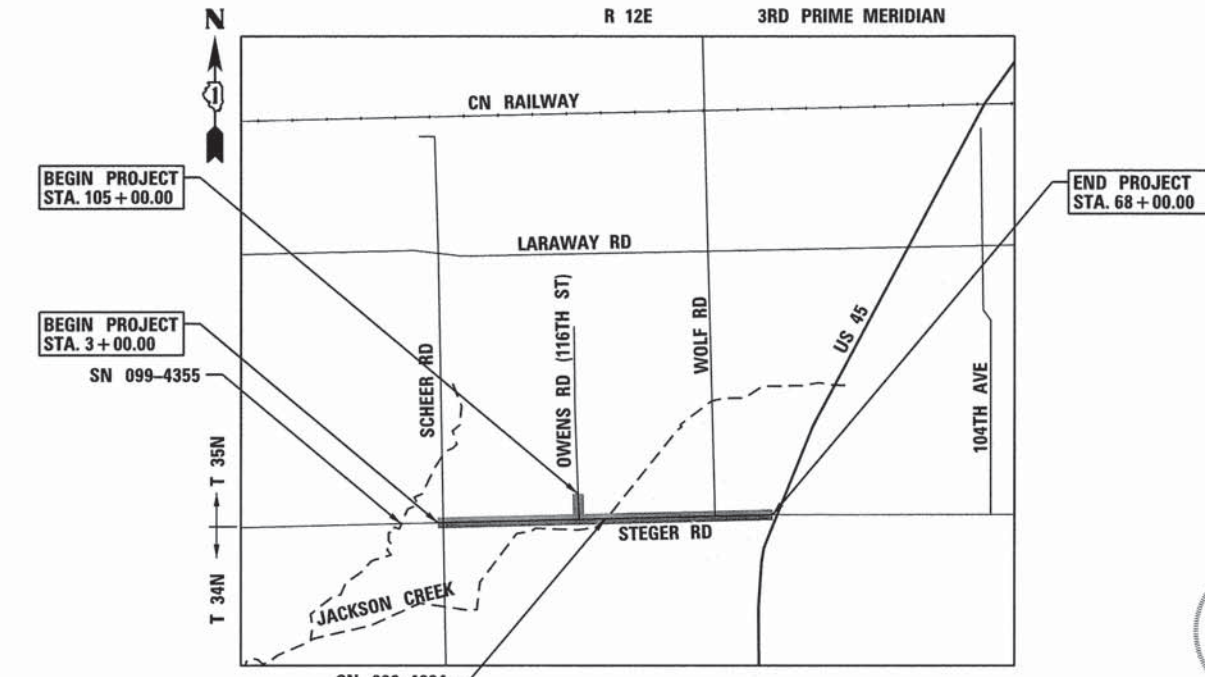
APPROVED 1-26-2016
[Signature]
VILLAGE OF FRANKFORT VILLAGE ADMINISTRATOR

APPROVED 1-25-2016
[Signature]
FOREST PRESERVE OF WILL COUNTY

[Signature] 1/29/16
ROBERT M. GOVEIA, P.E.
ILLINOIS REGISTRATION No. 062-055334
EXPIRATION DATE: 11/30/2017

[Signature] 1/29/16
JEFFREY A. RUBE, S.E.
ILLINOIS REGISTRATION No. 081-005613
EXPIRATION DATE: 11/30/2016

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OF THE STATE OF ILLINOIS

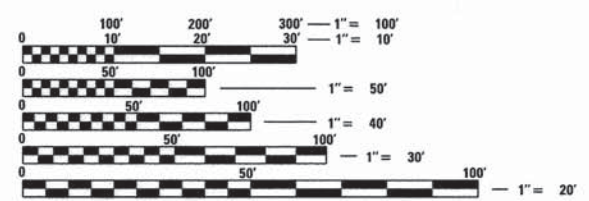


LOCATION MAP

SCALE: 1" = 0.2 MILES

FRANKFORT TOWNSHIP
GREEN GARDEN TOWNSHIP
TOWNSHIP: 34N
RANGE: 12E

GROSS LENGTH OF PROJECT = 6500 LINEAL FEET (1.23 MILES)
NET LENGTH OF PROJECT = 6500 LINEAL FEET (1.23 MILES)



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

CONTRACT NO. 61C70

FEDERAL AID PROGRAM ENGINEER: FAWAD AQUEEL, P.E., PTOE 847-705-4021 SCHAUMBURG, IL

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STATE STANDARDS

STANDARD	DESCRIPTION
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
424001-08	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
515001-03	NAME PLATE FOR BRIDGES
542301-03	PRECAST REINFORCED CONCRETE FLARED END SECTION
602001-02	CATCH BASIN TYPE A
602301-04	INLET TYPE A
602401-03	MANHOLE TYPE A
602406-07	MANHOLE TYPE A 6' (1.8 m) DIAMETER
602411-05	MANHOLE TYPE A 7' (2.1 m) DIAMETER
602501-02	VALVE VAULT TYPE A
602601-04	PRECAST REINFORCED CONCRETE FLAT SLAB TOP
602701-02	MANHOLE STEPS
604036-03	GRATE TYPE 8
604056-04	FRAME AND GRATE TYPE 11V
606001-06	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
630001-10	STEEL PLATE BEAL GUARDRAIL
630101-09	GUARDRAIL MOUNTED ON EXISTING STRUCTURES
630301-06	SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS
631011-09	TRAFFIC BARRIER TERMINAL, TYPE 2
701006-05	OFF-RD PERATIONS, 2L, 2W, 15' (4.5 m) to 24' (600 mm) FROM PAVEMENT EDGE
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701311-03	LANE CLOSURE 2L, 2W MOVING OPERATIONS DAY ONLY
701501-06	URBAN LANE CLOSURE ,2L ,2W ,UNDIVIDED
701701-10	URBAN LANE CLOSURE MULTILANE INTERSECTION
701801-06	SIDEWALK CORNER OR CROSSWALK CLOSURE
701901-05	TRAFFIC CONTROL DEVICES
720001-01	SIGN PANEL MOUNTING DETAILS
720006-04	SIGN PANEL ERECTION DETAILS
720011-01	METAL POSTS FOR SIGNS, MARKERS AND DELINEATORS
725001	OBJECT AND TERMINAL MARKERS
729001-01	APPLICATIONS OF TYPES A & B METAL POSTS (FOR SIGNS & MARKERS)
782006	GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS



USER NAME = msbutler	DESIGNED - JIR	REVISED -
PLOT SCALE = 1:8000' / 1" =	DRAWN - JIR	REVISED -
PLOT DATE = 2/2/2016	CHECKED - RMG	REVISED -
	DATE - 02/01/2016	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INDEX OF SHEETS AND STATE STANDARDS

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1634	11-00047-00-FP	WILL	148	2
CONTRACT NO. 61C70				
ILLINOIS FED. AID PROJECT				

GENERAL NOTES

GENERAL

1. THOSE SEEKING THE FULL HYDRAULIC REPORT OR PRELIMINARY SITE INVESTIGATION SHOULD CONTACT THE OWNER OF RECORD, TO MAKE ARRANGEMENTS FOR ACCESS TO THIS INFORMATION PLEASE CONTACT THE VILLAGE OF FRANKFORT 432 W. NEBRASKA, FRANKFORT, IL 60423.
2. ALL REFERENCES TO STANDARD SPECIFICATIONS IN THESE GENERAL NOTES SHALL BE INTERPRETED TO MEAN THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" ADOPTED BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION, 2016 AND THE "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS", ADOPTED 2016.
3. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS; THE LATEST EDITION OF THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS" (MUTCD); THE DETAILS IN THE PLANS AND THE SPECIAL PROVISIONS, AND IDOT STANDARD DRAWINGS AS LISTED IN THE CONTRACT DOCUMENTS.
4. ALL REFERENCES TO "ENGINEER" SHALL BE INTERPRETED AS THE RESIDENT ENGINEER.
5. THOSE SEEKING THE FULL GEOTECHNICAL REPORT OR PRELIMINARY SITE INVESTIGATION SHOULD CONTACT THE OWNER OF RECORD, TO MAKE ARRANGEMENTS FOR ACCESS TO THIS INFORMATION PLEASE CONTACT THE VILLAGE OF FRANKFORT 432 W. NEBRASKA, FRANKFORT, IL 60423.
6. THE ILLINOIS DEPARTMENT OF TRANSPORTATION IS NOT THE OWNER OF RECORD FOR THIS BRIDGE. FOR INFORMATION REGARDING THE EXISTING STRUCTURE SEE RECORD PLANS INCLUDED IN THE PLANS.

UTILITIES

1. PRIOR TO THE START OF THE CONSTRUCTION OPERATIONS, THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES. THE LOCATION OF PUBLIC OR PRIVATE UTILITIES SHOWN ON THE PLANS ARE APPROXIMATE AND THE VILLAGE DOES NOT GUARANTEE THEIR ACCURACY. THE CONTRACTOR WILL BE REQUIRED TO ASCERTAIN THE EXACT LOCATION OF SUCH UTILITIES AND WITH THE SPECIAL PROVISIONS AND ARTICLE 107.31 OF THE STANDARD SPECIFICATIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING THE OWNERS OF ALL EXISTING UTILITIES SO THAT THEIR FACILITIES MAY BE LOCATED AND ADJUSTED OR MOVED.
2. BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE" AT 1-800-892-0123 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE, GAS, WATER, SEWER, AND CABLE TELEVISION FACILITIES. (48 HOURS NOTICE REQUIRED.)
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL ABOVE AND BELOW GROUND UTILITIES EVEN THOUGH THEY MAY NOT BE SHOWN ON THE PLANS. ANY UTILITY THAT IS DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE ENGINEER OR THE VILLAGE. THIS WORK SHALL BE AT THE EXPENSE OF THE CONTRACTOR.

STAKING

1. ALL RADII FOR PROPOSED CURB AND GUTTER ARE TO THE EDGE OF PAVEMENT, UNLESS OTHERWISE NOTED. CURB AND GUTTER ELEVATIONS SHOWN AT POINTS OF CURVE, ETC., ARE EDGE OF PAVEMENT, UNLESS OTHERWISE NOTED.
2. THE STATION/OFFSET/ELEVATION NOTED FOR ALL DRAINAGE STRUCTURES LOCATED IN THE CURB LINE REFER TO THE POSITION OF THE ADJACENT PROPOSED EDGE OF PAVEMENT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE OFFSET NECESSARY FOR EACH STRUCTURE TO SET THE FRAME AND GRATE IN THE PROPER LOCATION. ALL OTHER STRUCTURES ARE DIMENSIONED TO THE CENTER OF THE STRUCTURE.
3. PAVEMENT GRADES: THE ELEVATIONS INDICATED ON THE PLANS ARE FINISHED GRADES OR PROPOSED PAVEMENT GRADES, UNLESS OTHERWISE NOTED.

SIGNING, STRIPING & LANDSCAPING

1. ANY SIGNS WHICH ARE DAMAGED DURING CONSTRUCTION OPERATIONS BEYOND REPAIR SHALL BE REPLACED IN KIND BY THE CONTRACTOR TO THE SATISFACTION OF THE ENGINEER AND AT NO ADDITIONAL COST TO THE CONTRACT.
2. WHEN DIRECTED BY THE ENGINEER, SUPPLEMENTAL WATERING SHALL BE APPLIED TO ALL SEEDED AREAS PRIOR TO FINAL ACCEPTANCE AT A RATE SPECIFIED BY THE ENGINEER AND IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS.
3. THE CONTRACTOR SHALL ADHERE TO LIMITS OF RESTORATION SHOWN. AREAS OUTSIDE THESE LIMITS THAT ARE DAMAGED OR DISTURBED BY THE CONTRACTOR, SHALL BE RESTORED BY THE CONTRACTOR AT HIS EXPENSE, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
4. CONTRACTOR SHALL PROVIDE A MINIMUM 5' DIAMETER MULCH RING FOR ANY EXISTING TREES TO REMAIN AND THE NEW TREES INSTALLED.
5. NO PLANTING SHALL BE PLACED CLOSER THAN 4' FROM THE EDGE OF SHOULDER, FACE OF CURBING OR DITCH LINE, WHICHEVER IS GREATEST FROM THE PAVEMENT.

ADA ACCESSIBILITY

1. ALL SIDEWALKS, CURB RAMPS, AND CROSSWALKS SHALL BE ADA COMPLIANT PER MOST STRINGENT GUIDELINES PROPOSED ACCESSIBILITY GUIDELINES FOR PEDESTRIAN FACILITIES IN THE PUBLIC RIGHT OF WAY, AMERICANS WITH DISABILITIES ACT, AND ILLINOIS STANDARDS.

WATERMAIN NOTES

1. ALL WATER MAIN FITTINGS SHALL BE MECHANICAL AND CONFORM TO (AWWA-C111 AND C-110) WITH MORTAR LINING AND SEAL COATING.
2. FIRE HYDRANTS SHALL MEET OR EXCEED (AWWA-C502).
3. MECHANICAL JOINT ANCHORING TEES SHALL BE USED FOR THE AUXILIARY CONNECTION TO THE WATER MAIN. THE AUXILIARY VALVE SHALL BE A MECHANICAL JOINT.
4. AUXILIARY VALVE TO FIRE HYDRANT SHALL BE COMPLETED UTILIZING AN 18-INCH X 6-INCH DIAMETER MECHANICAL JOINT ANCHORING COUPLING. FOR LAYING DISTANCES OF LARGER DIAMETER USE CLASS 52 DUCTILE IRON PIPE WITH "MEGALUG" RETAINER GLANDS.
5. FIRE HYDRANTS SHALL BE PLACED WITH LARGE PORT FACING THE STREET.
6. HYDRANTS TO BE BAGGED UNTIL PLACED IN SERVICE.
7. WATER MAIN SHALL BE AWWA C900 DR18 PVC PIPE.
8. WATER MAINS SHALL BE PROTECTED FOR HORIZONTAL AND VERTICAL SEPARATION IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR WATER AND SEWER CONSTRUCTION IN ILLINOIS, LATEST EDITION. NO WATER MAIN SHALL PASS THROUGH OR COME INTO CONTACT WITH ANY PART OF A SEWER OR SEWER MANHOLE.
9. MINIMUM DEPTH OF FIVE FEET TO SEVEN FEET SHALL BE MAINTAINED FOR ALL WATER MAIN INCLUDING HYDRANTS. THE MINIMUM DEPTH SHALL BE FROM PROPOSED FINAL GRADE ELEVATION TO THE BOTTOM OF THE MAIN.
10. THRUST RESTRAINT FOR ALL FITTINGS BENDS AND HYDRANTS SHALL BE PROPERLY BRACED BY MEANS OF RESTRAINED JOINT ASSEMBLIES AS DESCRIBED BELOW.
 - A. MECHANICAL JOINT FITTING, BENDS, AND HYDRANTS SHALL BE PROPERLY ANCHORED BY MEANS OF "MEGALUG" RETAINER GLANDS. ALL SET SCREWS SHALL BE INSTALLED AND TIGHTENED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
 - B. ALL PUSH-ON JOINT FITTINGS AND BENDS SHALL BE PROPERLY ANCHORED BY FIELD LOK GASKET OR APPROVED EQUAL.
 - C. ALL PUSH-ON OR MECHANICAL JOINT FITTINGS, BENDS AND HYDRANTS SHALL BE PROPERLY ANCHORED BY MEANS OF A CONCRETE THRUST BLOCK WITH THE MINIMUM BEARING AREA DETAILED.
 - D. REACTION BLOCKING SHALL BE DESIGNED FOR A MINIMUM INTERNAL PRESSURE OF 300 PSI. THE BLOCKING SHALL NOT HINDER OR COVER BELL CONFIGURATION ON ANY ADJACENT JOINT AND SHALL BE AT LEAST AS LARGE AS NECESSARY TO RESTRAIN THE FITTINGS FROM MOVEMENT. ALL CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI AT THE END OF 28 DAYS.
 - E. TYPE 1 BACKFILL IN ACCORDANCE WITH ANSI/AWWA C600-87 SHALL BE USED UNLESS THE MAIN IS BEING LAID UNDER PAVEMENT OR WITHIN THE RIGHT-OF-WAY.
12. THRUST RESTRAINTS FOR ALL FITTINGS, BENDS AND HYDRANTS SHALL BE INCLUDED IN THE COST OF THE WATER MAIN.
13. THE SECTION OF MAIN TO BE DISINFECTED SHALL BE FLUSHED TO REMOVE SOLIDS OR CONTAMINANTS THAT MAY HAVE BECOME LODGED IN THE MAIN.
14. VALVES, FIRE HYDRANTS OR OTHER APPURTENANCES ARE TO BE PURGED OR FLUSHED.
15. ALL CHLORINATION, FLUSHING AND TESTING IS TO BE DONE IN STRICT ACCORDANCE WITH "STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS", DIVISION IV, SECTION 41-2.14. ALL NEW MAINS SHALL BE CHLORINATED SO THAT THE INITIAL CHLORINE RESIDUAL OF NOT LESS THAN 25 MG/L AND THAT A CHLORINE RESIDUAL OF NOT LESS THAN 10 MG/L REMAINS IN THE WATER AFTER STANDING 24 HOURS IN THE PIPE. WATER MAIN DISINFECTION IS PER AWWA STANDARD C651. ALL CHLORINE CONCENTRATIONS LISTED ARE FREE CHLORINE. WATER TEST SAMPLES SHALL BE COLLECTED TWO CONSECUTIVE DAYS AFTER CHLORINATION AND FINAL FLUSHING.
16. THE FIRST SAMPLE IS TO BE COLLECTED 24 HOURS AFTER THE FINAL FLUSHING. CHLORINE SHALL BE APPLIED IN LIQUID OR GAS FORM.
17. SILVER METALLIC WARNING TAPE AND 12 GA. SOLID TRACER WIRE SHALL BE INCLUDED IN THE COST OF THE WATER MAIN.
18. SAMPLE TAPS SHALL BE PROVIDED ON EITHER SIDE OF THE VALVE IN THE VAULT PER SECTION 8.9.2 OF THE STANDARD SPECIFICATIONS FOR WATER AND SEWER CONSTRUCTION IN ILLINOIS.
19. PER VILLAGE REQUIREMENTS SADDLES ARE NOT PERMITTED FOR TAPS. ALL LINE TAPS SHALL BE FULL CIRCLE REPAIR CLAMPS.

STORM SEWERS

1. INLET FILTERS OR AN APPROVED EQUAL SHALL BE USED ON ALL EXISTING AND PROPOSED DRAINAGE STRUCTURES.
2. ANY LOOSE MATERIAL DEPOSITED IN THE FLOW LINE OF DRAINAGE STRUCTURES, WHICH OBSTRUCTS THE NATURAL FLOW OF WATER SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY. PRIOR TO ACCEPTANCE OF THE IMPROVEMENT, ALL DRAINAGE STRUCTURES SHALL BE FREE OF DIRT AND DEBRIS. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF THE STORM SEWER PAY ITEMS.
3. WHEN EXISTING DRAINAGE FACILITIES ARE DISTURBED, THE CONTRACTOR SHALL PROVIDE AND MAINTAIN IN AN OPERATING CONDITION TEMPORARY OUTLETS AND CONNECTIONS FOR ALL DRAINS, SEWERS, AND CATCH BASINS. THE CONTRACTOR SHALL PROVIDE FACILITIES WHICH HAVE THE CAPACITY TO RECEIVE AND DISCHARGE THE STORM WATER FLOW RATES NORMALLY ACCEPTED AND RELEASED BY EXISTING DRAINAGE FACILITIES. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED INCLUDED IN THE COST OF THE DRAINAGE ITEMS.
4. THE COST OF INTERCONNECTIONS BETWEEN THE PROPOSED AND EXISTING SEWER SYSTEMS SHALL BE INCLUDED IN THE VARIOUS UNIT PRICES OF THE PROPOSED SYSTEM.
5. ALL FRAMES, GRATES, LIDS, AND BOXES SCHEDULED TO BE REMOVED FROM EXISTING STRUCTURES SHALL REMAIN THE PROPERTY OF THE VILLAGE. ANY ITEMS DAMAGED DURING REMOVAL SHALL BE REPLACED BY THE CONTRACTOR AT HIS EXPENSE. THE COST OF SALVAGING EXISTING FRAMES, GRATES, LIDS, OR BOXES AND/OR STOCKPILING THEM ON THE JOB SITE FOR PICK-UP BY THE VILLAGE OR DELIVERY TO THE VILLAGE MAINTENANCE YARD SHALL BE INCLUDED IN THE COST OF THE DRAINAGE ITEMS. ITEMS DELIVERED ARE TO BE COORDINATED WITH VILLAGE UTILITY SUPERVISOR, ALAN MAROSS, 708-921-7315.
6. ALL FRAMES WITH CLOSED LIDS TO BE FURNISHED, AS PART OF THIS CONTRACT SHALL BE CAST ACCORDING TO VILLAGE SPECIFICATIONS WITH THE APPROPRIATE LETTERING AND DESIGNATIONS.
7. ALL STORM SEWERS SHALL BE RCCP, CLASS A, UNLESS NOTED OTHERWISE ON THE PLAN.
8. ANY EXISTING OR PROPOSED SEWER DAMAGED BY THE CONTRACTOR DURING CONSTRUCTION SHALL BE REPLACED BY THE CONTRACTOR TO THE SATISFACTION OF THE ENGINEER. NO ADDITIONAL COMPENSATION SHALL BE PAID FOR THIS WORK.



USER NAME = mxbutler	DESIGNED - JIR	REVISED -
PLOT SCALE = 2.0000' / in.	DRAWN - JIR	REVISED -
PLOT DATE = 3/11/2016	CHECKED - RMG	REVISED -
	DATE - 02/01/2016	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1634	11-00047-00-FP	WILL	148	3
SCALE: SHEET 1 OF 1 SHEETS STA. TO STA.			CONTRACT NO. 61C70	
ILLINOIS FED. AID PROJECT				

ITEM	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE			
				ROADWAY 0004	BRIDGE REPLACEMENT 0004	PED/BIKE TRAILS 0028	NON-PARTICIPATING 0043
				PARTICIPATING 80% FEDERAL / 20% LOCAL	PARTICIPATING 80% FEDERAL / 20% LOCAL	PARTICIPATING 80% FEDERAL / 20% LOCAL	NON-PARTICIPATING
20101000	TEMPORARY FENCE	FOOT	268	268			
20101300	TREE PRUNING (1 TO 10 INCH DIAMETER)	EACH	8	8			
20200100	EARTH EXCAVATION	CU YD	11,515	11,515			
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	875		875		
20400800	FURNISHED EXCAVATION	CU YD	1,883	1,883			
20700220	POROUS GRANULAR EMBANKMENT	CU YD	2,487		2,487		
20800150	TRENCH BACKFILL	CU YD	513	513			
21101625	TOPSOIL FURNISH AND PLACE, 6"	SO YD	24,117	24,117			
25000210	SEEDING, CLASS 2A	ACRE	5.05	5.05			
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	461	461			
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	461	461			
25100630	EROSION CONTROL BLANKET	SO YD	24,117	24,117			
28000305	TEMPORARY DITCH CHECKS	FOOT	30	30			
28000400	PERIMETER EROSION BARRIER	FOOT	5,334	5,334			
28000500	INLET AND PIPE PROTECTION	EACH	16	16			
28000510	INLET FILTERS	EACH	56	56			
28500400	ARTICULATED BLOCK REVETMENT MAT	SO YD	30	30			
31101400	SUBBASE GRANULAR MATERIAL, TYPE B 6"	SO YD	3,875		3,875		
30300112	AGGREGATE SUBGRADE IMPROVEMENT 12"	SO YD	15,131	15,131			
35501300	HOT-MIX ASPHALT BASE COURSE, 4"	SO YD	17,816	14,566	3,250		
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	13,373	12,641	732		
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SO YD	33	33			

ITEM	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE			
				ROADWAY 0004	BRIDGE REPLACEMENT 0004	PED/BIKE TRAILS 0028	NON-PARTICIPATING 0043
				PARTICIPATING 80% FEDERAL / 20% LOCAL	PARTICIPATING 80% FEDERAL / 20% LOCAL	PARTICIPATING 80% FEDERAL / 20% LOCAL	NON-PARTICIPATING
40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	2,275	2,275			
40603340	HOT-MIX ASPHALT SURFACE COURSE, MIX "D" N-70	TON	2,722	2,449	273		
42001300	PROTECTIVE COAT	SO YD	1,304	1,304			
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SO FT	4,833	4,833			
42400800	DETECTABLE WARNINGS	SO FT	267	267			
44000100	PAVEMENT REMOVAL	SO YD	9,211	9,211			
44000155	HOT-MIX ASPHALT SURFACE REMOVAL, 1. 1/2"	SO YD	13,519	13,519			
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	422	422			
44000600	SIDEWALK REMOVAL	SO FT	4,281	4,281			
44201741	CLASS D PATCHES, TYPE II, 8 INCH	SO YD	20	20			
48100500	AGGREGATE SHOULDERS, TYPE A 6"	SO YD	2,919	2,919			
50100100	REMOVAL OF EXISTING STRUCTURES	EACH	1		1		
50104400	CONCRETE HEADWALL REMOVAL	EACH	15	15			
50104650	SLOPE WALL REMOVAL	SO YD	121		121		
50200100	STRUCTURE EXCAVATION	CU YD	2137		2137		
51500100	NAME PLATES	EACH	1		1		
52200020	TEMPORARY SOIL RETENTION SYSTEM	SO FT	411		411		
54001001	BOX CULVERT END SECTIONS, CULVERT NO. 1	EACH	2		2		
54011210	PRECAST CONCRETE BOX CULVERTS 12' X 10	FOOT	315		315		
54213657	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	EACH	1	1			
54213663	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 18"	EACH	3	3			

• SPECIAL ITEM



USER NAME = mxbutler
 PLOT SCALE = 200.0000' / in.
 PLOT DATE = 3/11/2016

DESIGNED - JIR
 DRAWN - JIR
 CHECKED - RMG
 DATE - 02/01/2016

REVISED -
 REVISED -
 REVISED -
 REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION


SUMMARY OF QUANTITIES

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1634	11-00047-00-FP	WILL	148	4
CONTRACT NO. 61C70			ILLINOIS FED. AID PROJECT	

ITEM	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE				ITEM	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE				
				ROADWAY 0004	BRIDGE REPLACEMENT 0004	PED/BIKE TRAILS 0028	NON-PARTICIPATING 0043					ROADWAY 0004	BRIDGE REPLACEMENT 0004	PED/BIKE TRAILS 0028	NON-PARTICIPATING 0043	
				PARTICIPATING 80% FEDERAL / 20% LOCAL	PARTICIPATING 80% FEDERAL / 20% LOCAL	PARTICIPATING 80% FEDERAL / 20% LOCAL	NON-PARTICIPATING					PARTICIPATING 80% FEDERAL / 20% LOCAL	PARTICIPATING 80% FEDERAL / 20% LOCAL	PARTICIPATING 80% FEDERAL / 20% LOCAL	NON-PARTICIPATING	
54213669	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24"	EACH	2	2				60201110	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 11V FRAME AND GRATE	EACH	25	25				
54213687	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 42"	EACH	4	4				60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	6	6				
54213693	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 48"	EACH	2	2				60223800	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	5	5				
54248510	CONCRETE COLLAR	CU YD	0.5	0.5				60224446	MANHOLES, TYPE A, 7'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	6	6				
550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	FOOT	750	750				60236200	INLETS, TYPE A, TYPE 8 GRATE	EACH	1	1				
550A0360	STORM SEWERS, CLASS A, TYPE 2 15"	FOOT	239	239				60236825	INLETS, TYPE A, TYPE 11V FRAME AND GRATE	EACH	7	7				
550A0380	STORM SEWERS, CLASS A, TYPE 2 18"	FOOT	207	207				60248900	VALVE VAULTS, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	2					2
550A0410	STORM SEWERS, CLASS A, TYPE 2 24"	FOOT	229	229				60250200	CATCH BASINS TO BE ADJUSTED	EACH	4	4				
550A0470	STORM SEWERS, CLASS A, TYPE 2 42"	FOOT	104	104				60265700	VALVE VAULTS TO BE ADJUSTED	EACH	2	2				
550A0480	STORM SEWERS, CLASS A, TYPE 2 48"	FOOT	1,953	1,953				60500050	REMOVING CATCH BASINS	EACH	1	1				
55100200	STORM SEWER REMOVAL 6"	FOOT	7	7				60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	3,286	3,286				
55100500	STORM SEWER REMOVAL 12"	FOOT	21	21				60617800	PAVED FLUME	FOOT	15	15				
55100700	STORM SEWER REMOVAL 15"	FOOT	85	85				* 63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	312.5	312.5				
55100900	STORM SEWER REMOVAL 18"	FOOT	14	14				* 63100045	TRAFFIC BARRIER TERMINAL, TYPE 2	EACH	2	2				
55101200	STORM SEWER REMOVAL 24"	FOOT	52	52				* 63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	2	2				
55101900	STORM SEWER REMOVAL 48"	FOOT	214	214				* 63200310	GUARDRAIL REMOVAL	FOOT	559	559				
* 56100900	WATER MAIN 12"	FOOT	500				500	* 66400505	CHAIN LINK FENCE, 8'	FOOT	16	16				
* 56105750	BUTTERFLY VALVES 12"	EACH	2				2	* 66409600	CHAIN LINK GATES, 8' X 16' DOUBLE	EACH	1	1				
56400300	FIRE HYDRANTS TO BE ADJUSTED	EACH	2	2				67100100	MOBILIZATION	L SUM	1	1				
60108100	PIPE UNDERDRAINS 4" (SPECIAL)	FOOT	15	15				70106800	CHANGEABLE MESSAGE SIGN	CAL MO	12	12				
60108104	PIPE UNDERDRAINS, TYPE 1, 4"	FOOT	59	59				70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	5,264	5,264				
60200805	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 8 GRATE	EACH	1	1				70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SO FT	1,755	1,755				

* SPECIAL ITEM

	USER NAME = mxbutler	DESIGNED - JIR	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES				F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 100.0000' / 1"	DRAWN - JIR	REVISED -						1634	11-00047-00-FP	WILL	148	5
	PLOT DATE = 2/2/2016	CHECKED - RMG	REVISED -						CONTRACT NO. 61C70				
				SCALE: SHEET 2 OF 2 SHEETS STA. TO STA.				ILLINOIS FED. AID PROJECT					

ITEM	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE			
				ROADWAY 0004	BRIDGE REPLACEMENT 0004	PED/BIKE TRAILS 0028	NON-PARTICIPATING 0043
				PARTICIPATING 80% FEDERAL/ 20% LOCAL	PARTICIPATING 80% FEDERAL/ 20% LOCAL	PARTICIPATING 80% FEDERAL/ 20% LOCAL	NON-PARTICIPATING
* 72000100	SIGN PANEL - TYPE 1	SO FT	148	148			
* 72400310	REMOVE SIGN PANEL - TYPE 1	SO FT	67.5	67.5			
* 72400500	RELOCATE SIGN PANEL ASSEMBLY - TYPE A	EACH	4	4			
* 72501000	TERMINAL MARKER - DIRECT APPLIED	EACH	2	2			
* 72900100	METAL POST - TYPE A	FOOT	233.5	233.5			
* 72900200	METAL POST - TYPE B	FOOT	176.5	176.5			
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SO FT	222	222			
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	27,153	27,153			
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	1,640	1,640			
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	1,431	1,431			
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	113	113			
* 78200005	GUARDRAIL REFLECTORS, TYPE A	EACH	14	14			
78300100	PAVEMENT MARKING REMOVAL	SO FT	1,872	1,872			
* A2006516	TREE, QUERCUS BICOLOR (SWAMP WHITE OAK), 2" CALIPER, BALLED AND BURLAPPED	EACH	2	2			
* A2007816	TREE, TILIA AMERICANA (AMERICAN LINDEN/ BASSWOOD), 2" CALIPER, BALLED	EACH	2	2			
* K0036120	MULCH PLACEMENT 4"	SO YD	63	63			
X0326806	WASHOUT BASIN	L SUM	1	1			
* X0327078	REMOVE FIRE HYDRANT AND VALVE ASSEMBLY	EACH	1				1
* X0327241	STEEL CASING PIPE IN TRENCH, 24 INCH	FOOT	24				24
X0426200	DEWATERING	L SUM	1	1			
X4400110	TEMPORARY PAVEMENT REMOVAL	SO YD	971	971			
* X5610004	DUCTILE IRON WATER MAIN FITTINGS	POUNDS	880				880

* SPECIAL ITEM
CODE 0042

ITEM	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE			
				ROADWAY 0004	BRIDGE REPLACEMENT 0004	PED/BIKE TRAILS 0028	NON-PARTICIPATING 0043
				PARTICIPATING 80% FEDERAL/ 20% LOCAL	PARTICIPATING 80% FEDERAL/ 20% LOCAL	PARTICIPATING 80% FEDERAL/ 20% LOCAL	NON-PARTICIPATING
* X5610712	WATER MAIN REMOVAL, 12"	FOOT	500				500
* X5610752	WATER MAIN LINE STOP 12"	EACH	1				1
* X5640175	FIRE HYDRANT COMPLETE	EACH	1				1
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	1			
Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1			
Z0030850	TEMPORARY INFORMATION SIGINING	SO FT	78	78			
Z0056608	STORM SEWER (WATER MAIN REQUIREMENTS) 12 INCH	FOOT	126	126			
# Z0076600	TRAINEES	HOUR	500	500			
# Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	HOUR	500	500			



USER NAME = mbutler
 PLOT SCALE = 100.0000' / in.
 PLOT DATE = 2/2/2016

DESIGNED - MJB
 DRAWN - MJB
 CHECKED - RMG
 DATE - 02/01/2016

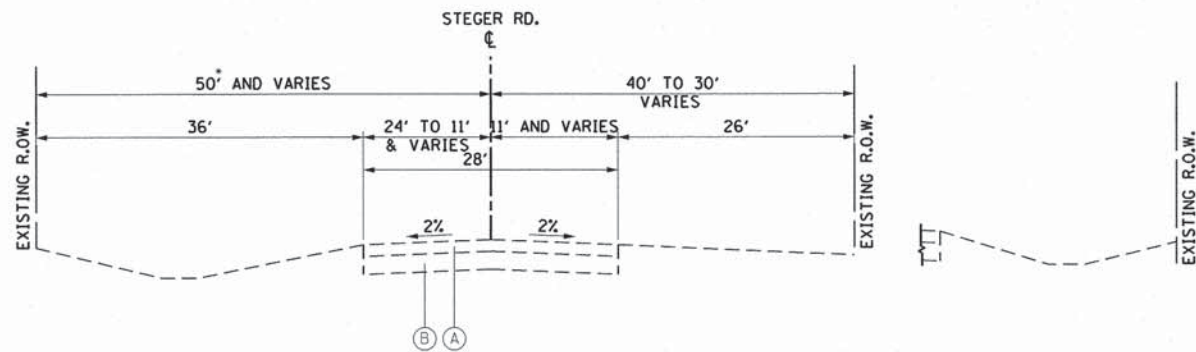
REVISED -
 REVISED -
 REVISED -
 REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

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

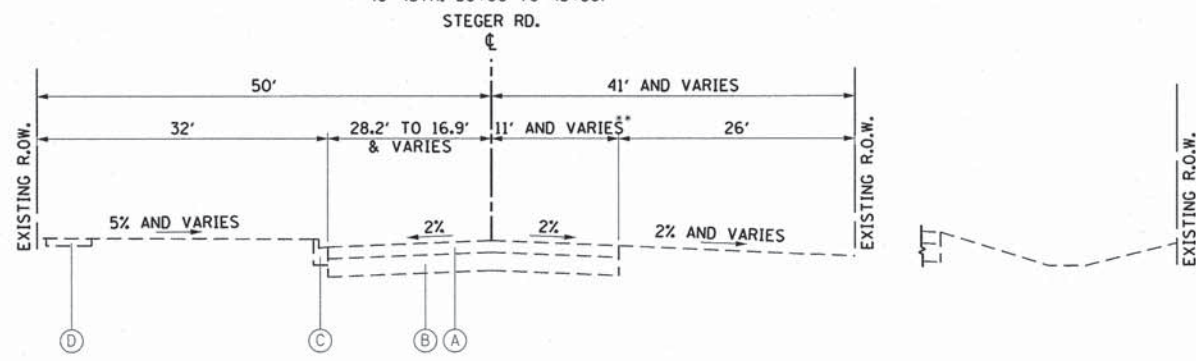
F.A. RTE. 1634	SECTION 11-00047-00-FP	COUNTY WILL	TOTAL SHEETS 148	SHEET NO. 6
CONTRACT NO. 61C70				
ILLINOIS FED. AID PROJECT				



A STEGER ROAD - EXISTING TYPICAL SECTION

STA. 3+00 TO STA. 8+04
 STA. 16+79 TO STA. 45+80
 STA. 65+68 TO STA. 68+00
 • 40' (STA. 30+00 TO 45+80)

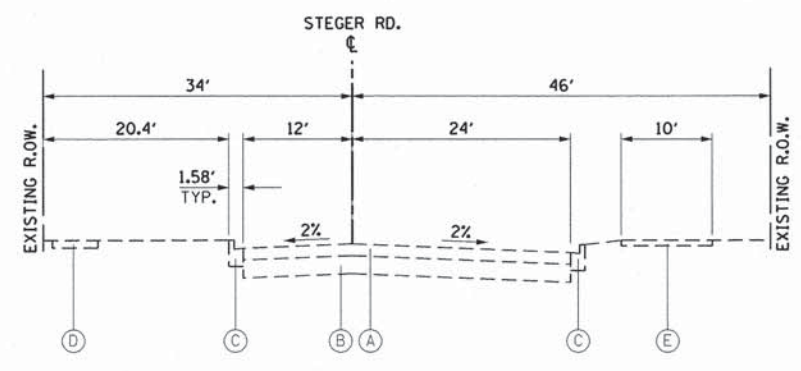
STEGER ROAD
 STA. 65+68 TO STA. 68+00



B STEGER ROAD - EXISTING TYPICAL SECTION

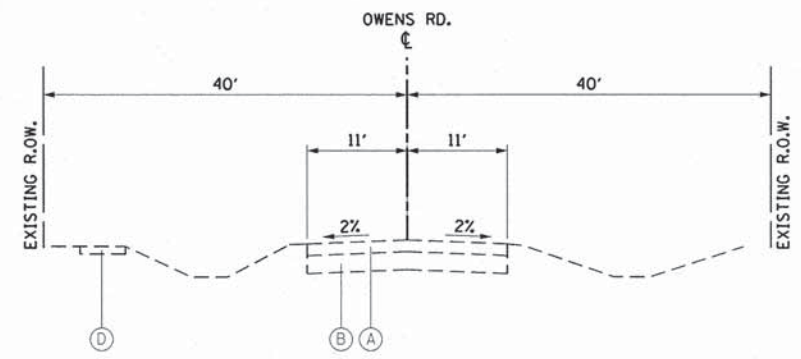
STA. 8+04 TO STA. 16+79
 STA. 56+64 TO STA. 65+68
 •• 24' AND VARIES (STA. 56+64 TO STA. 65+68)

STEGER ROAD
 STA. 56+64 TO STA. 65+68



C STEGER ROAD - EXISTING TYPICAL SECTION

STA. 45+80 TO STA. 56+64



D OWENS ROAD - EXISTING TYPICAL SECTION

STA. 00+58.45 TO STA. 5+00

- EXISTING LEGEND**
- (A) HMA PAVEMENT, 4" TO 8"
 - (B) AGGREGATE SUBBASE, 4" TO 10"
 - (C) COMB. CONCRETE CURB AND GUTTER, TYPE B-6.12
 - (D) SIDEWALK
 - (E) BIKE PATH

- PROPOSED LEGEND**
- (1) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 1-1/2" (40603340)
 - (2) BITUMINOUS MATERIALS (TACK COAT) (40600290)
 - (3) HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 2-1/4" (40603080)
 - (4) HOT-MIX ASPHALT BASE COURSE, 4" (35501300)
 - (5) AGGREGATE SUBGRADE IMPROVEMENT 12" (30300112)
 - (6) AGGREGATE SHOULDERS, TYPE A 6" (48100500)
 - (7) SUBBASE GRANULAR MATERIAL, TYPE B 6" (31101400)
 - (8) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (60603800)
 - (9) PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH (42400200)
 - (10) TOPSOIL FURNISH AND PLACE, 6" (21101625) SEEDING, CLASS 2A (25000210)

HOT-MIX ASPHALT MIXTURE REQUIREMENTS	
MIXTURE TYPE	AIR VOIDS @ Ndes
PAVEMENT RESURFACING	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 - (IL 9.5mm), 1-1/2"	4% @ 70 Gyr.
HMA PAVEMENT	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D" N70 - (IL 9.5mm), 1-1/2"	4% @ 70 Gyr.
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 2-1/4"	4% @ 50 Gyr.
HOT-MIX ASPHALT BASE COURSE, 4" (HMA BINDER IL 19mm)	4% @ 50 Gyr.
PAVEMENT WIDENING	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D" N70 (IL 9.5mm), 1-1/2"	4% @ 70 Gyr.
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 2-1/4"	4% @ 50 Gyr.
HOT-MIX ASPHALT BASE COURSE, 4" (HMA BINDER IL 19mm)	4% @ 50 Gyr.
TEMPORARY PAVEMENT	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 2"	4% @ 70 Gyr.
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 8"	4% @ 50 Gyr.
PATCHING	
CLASS D PATCHES, TYPE II, 8 INCH (HMA BINDER IL 19mm)	4% @ 70 Gyr.

THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LBS/SQ YD/IN FOR USE OF RECYCLED MATERIALS SEE SPECIAL PROVISIONS.



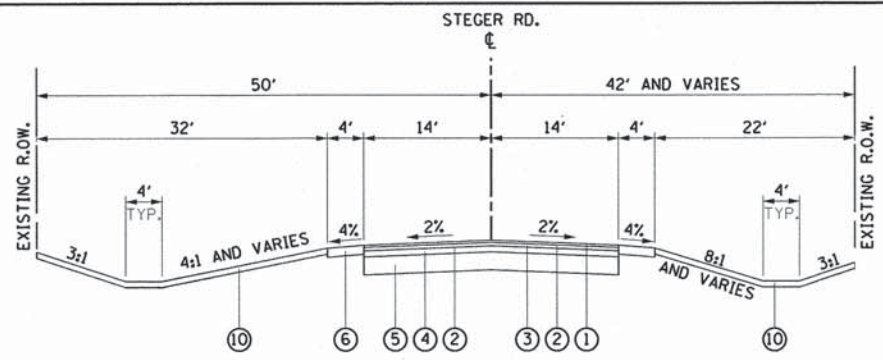
USER NAME = mxbutler	DESIGNED -	REVISED -
PLOT SCALE = 10.0000' / 1" =	DRAWN -	REVISED -
PLOT DATE = 2/1/2016	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

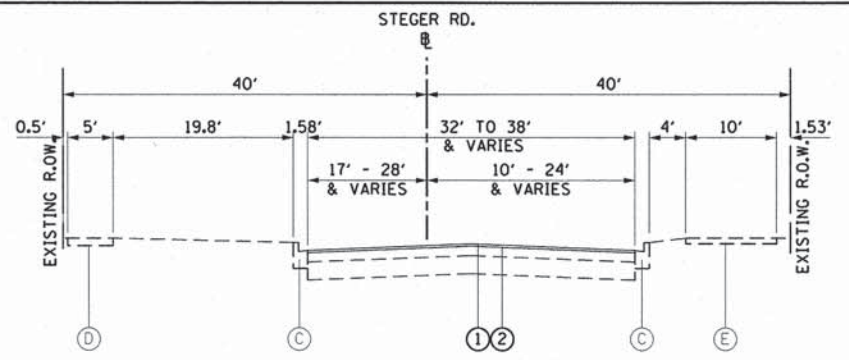
EXISTING TYPICAL SECTIONS
 SCALE: NONE SHEET 1 OF 2 SHEETS STA. TO STA.

F.A. RTE. 1634	SECTION 11-00047-00-FP	COUNTY WILL	TOTAL SHEETS 148	SHEET NO. 7
CONTRACT NO. 61C70				
ILLINOIS FED. AID PROJECT				

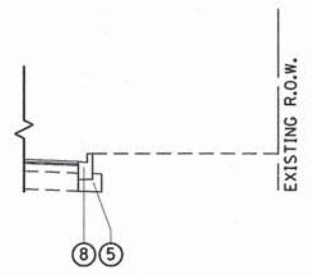
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1 STEGER ROAD - PROPOSED TYPICAL SECTION
 STA. 3+00.00 TO STA. 8+02.39
 STA. 19+90.04 TO STA. 24+86.35



5 STEGER ROAD - PROPOSED TYPICAL SECTION
 STA. 45+78.74 TO STA. 56+63.01
 STA. 56+63.01 TO STA. 65+66.00



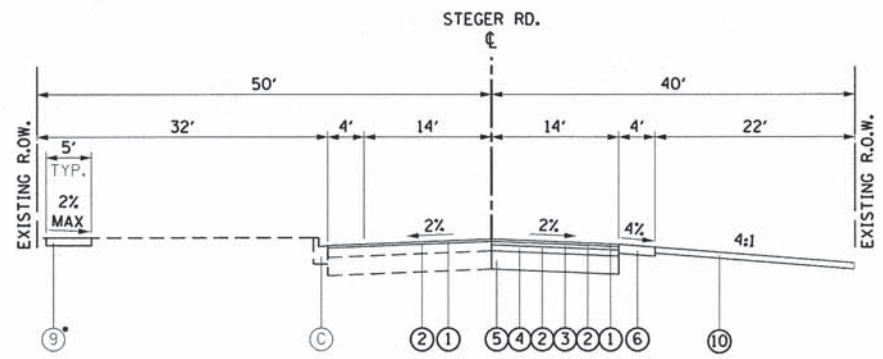
STEGER ROAD
 STA. 56+63.01 TO STA. 65+66.00

EXISTING LEGEND

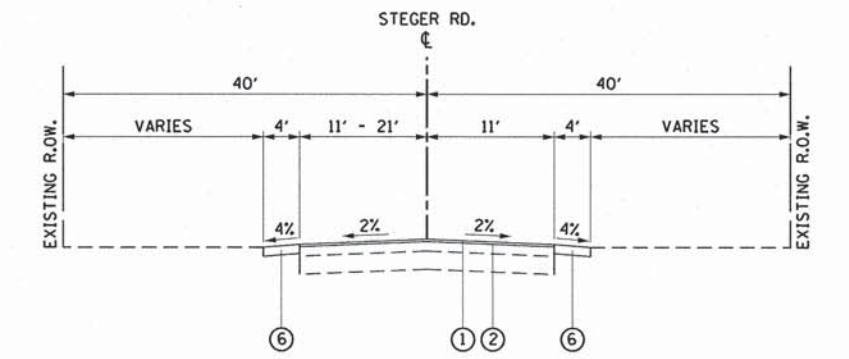
- (A) HMA PAVEMENT, 4" TO 8"
- (B) AGGREGATE SUBBASE, 4" TO 10"
- (C) COMB. CONCRETE CURB AND GUTTER, TYPE B-6.12
- (D) SIDEWALK
- (E) BIKE PATH

PROPOSED LEGEND

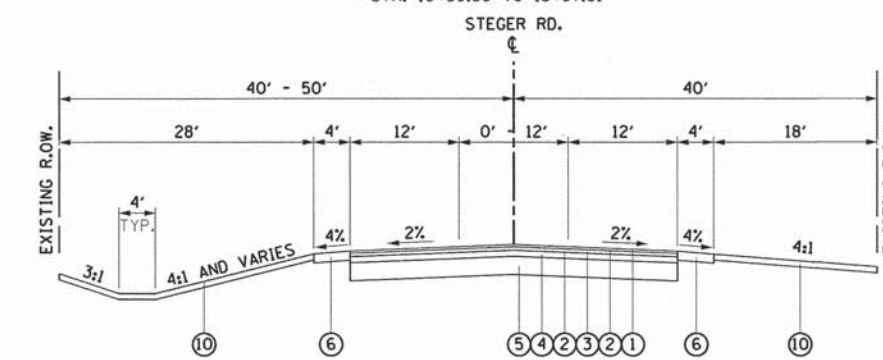
- (1) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 1-1/2" (40603340)
- (2) BITUMINOUS MATERIALS (TACK COAT) (40600290)
- (3) HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 2-1/4" (40603080)
- (4) HOT-MIX ASPHALT BASE COURSE, 4" (35501300)
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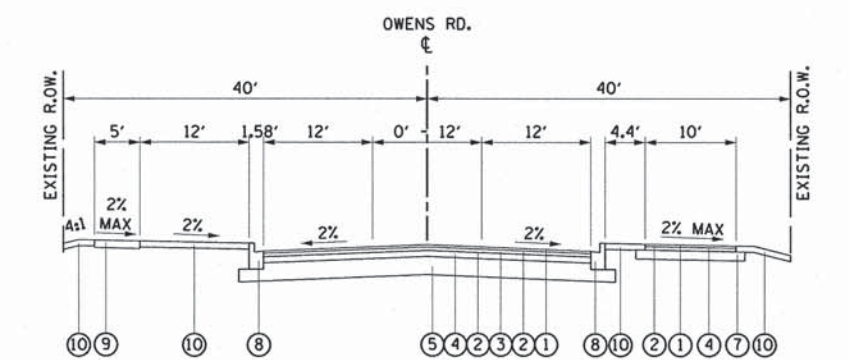
2 STEGER ROAD - PROPOSED TYPICAL SECTION
 STA. 8+02.39 TO STA. 19+90.04
 STA. 16+80.80 TO STA. 18+97.81



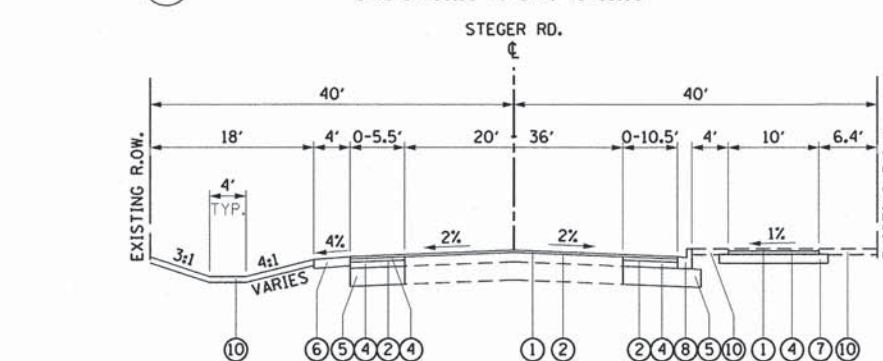
6 STEGER ROAD - PROPOSED TYPICAL SECTION
 STA. 65+66.00 TO STA. 68+00.00



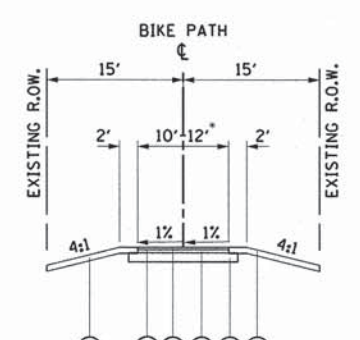
3 STEGER ROAD - PROPOSED TYPICAL SECTION
 STA. 24+86.35 TO STA. 40+95.00



7 OWENS ROAD - PROPOSED TYPICAL SECTION
 STA. 00+58.45 TO STA. 5+00



4 STEGER ROAD - PROPOSED TYPICAL SECTION
 STA. 40+95.00 TO STA. 45+78.74



8 BIKE PATH - PROPOSED TYPICAL SECTION
 STA. 00+18.00 TO STA. 12+79.61
 12'- STA. 0+18.00 TO STA. 5+00
 12'-10"- STA. 5+00.00 TO STA. 5+78.77
 10'- STA. 5+78.77 TO STA. 12+79.61

HOT-MIX ASPHALT MIXTURE REQUIREMENTS	
MIXTURE TYPE	AIR VOIDS @ Ndes
PAVEMENT RESURFACING	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 - (IL 9.5mm), 1-1/2"	4% @ 70 Gyr.
HMA PAVEMENT	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D" N70 - (IL 9.5mm), 1-1/2"	4% @ 70 Gyr.
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 2-1/4"	4% @ 50 Gyr.
HOT-MIX ASPHALT BASE COURSE, 4" (HMA BINDER IL 19mm)	4% @ 50 Gyr.
PAVEMENT WIDENING	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D" N70 (IL 9.5mm), 1-1/2"	4% @ 70 Gyr.
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 2-1/4"	4% @ 50 Gyr.
HOT-MIX ASPHALT BASE COURSE, 4" (HMA BINDER IL 19mm)	4% @ 50 Gyr.
TEMPORARY PAVEMENT	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 2"	4% @ 70 Gyr.
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 8"	4% @ 50 Gyr.
PATCHING	
CLASS D PATCHES, TYPE II, 8 INCH (HMA BINDER IL 19mm)	4% @ 70 Gyr.

THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LBS/50 YD/IN FOR USE OF RECYCLED MATERIALS SEE SPECIAL PROVISIONS.



USER NAME = mbutler	DESIGNED -	REVISED -
PLOT SCALE = 10.0000' / 1"	DRAWN -	REVISED -
PLOT DATE = 2/1/2016	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

PROPOSED TYPICAL SECTIONS	
SCALE: NONE	SHEET 2 OF 2 SHEETS
STA.	TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1634	11-00047-00-FP	WILL	148	8
CONTRACT NO. 61C70				
ILLINOIS FED. AID PROJECT				

DRAINAGE REMOVAL AND UTILITY ADJUSTMENT SCHEDULE			CONCRETE HEADWALL REMOVAL	STORM SEWER REMOVAL 6"	STORM SEWER REMOVAL 12"	STORM SEWER REMOVAL 15"	STORM SEWER REMOVAL 18"	STORM SEWER REMOVAL 24"	STORM SEWER REMOVAL 48"	FIRE HYDRANTS TO BE ADJUSTED	CATCH BASINS TO BE ADJUSTED	VALVE VAULTS TO BE ADJUSTED	REMOVING CATCH BASINS	REMOVE FIRE HYDRANT AND VALVE ASSEMBLY	WATER MAIN REMOVAL, 12"
ALIGNMENT	FROM STATION	TO STATION	50104400 EACH	55100200 FOOT	55100500 FOOT	55100700 FOOT	55100900 FOOT	55101200 FOOT	55101900 FOOT	56400300 EACH	60250200 EACH	60265700 EACH	60500050 EACH	X0327078 EACH	X5610712 FOOT
STEGER RD	3+00	8+00	0	0	0	0	0	0	0	0	0	0	0	0	0
	8+00	13+00	0	0	0	0	0	0	0	0	0	0	0	0	0
	13+00	18+00	0	0	21	0	0	0	0	0	0	0	0	0	0
	18+00	23+00	0	0	0	0	0	0	0	0	0	1	0	1	225
	23+00	28+00	3	0	0	0	14	0	103	1	0	0	0	0	275
	28+00	33+00	4	0	0	54	0	52	0	0	0	1	0	0	0
	33+00	38+00	2	7	0	31	0	0	86	0	0	0	0	0	0
	38+00	43+00	0	0	0	0	0	0	0	0	0	0	0	0	0
	43+00	48+00	4	0	0	0	0	0	25	0	0	0	1	0	0
	48+00	53+00	0	0	0	0	0	0	0	0	4	0	0	0	0
	53+00	58+00	0	0	0	0	0	0	0	0	0	0	0	0	0
	58+00	63+00	0	0	0	0	0	0	0	0	0	0	0	0	0
	63+00	68+00	2	0	0	0	0	0	0	0	0	0	0	0	0
	OWENS RD	0+75	5+00	0	0	0	0	0	0	0	1	0	0	0	0
TOTALS			15	7	21	85	14	52	214	2	4	2	1	1	500

ROADWAY REMOVAL SCHEDULE			HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	PAVEMENT REMOVAL	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"	COMBINATION CURB AND GUTTER REMOVAL	SIDEWALK REMOVAL	GUARDRAIL REMOVAL	TEMPORARY PAVEMENT REMOVAL
ALIGNMENT	FROM STATION	TO STATION	40600982 SY	44000100 SY	44000155 SY	44000500 FOOT	44000600 SF	63200310 LF	X4400110 SY
STEGER RD	3+00	8+00	0	1,561	0	0	0	0	971
	8+00	13+00	9	501	1,214	48	238	0	0
	13+00	18+00	0	572	992	0	0	0	0
	18+00	23+00	0	928	626	36	135	0	0
	23+00	28+00	11	1,082	0	0	0	0	0
	28+00	33+00	0	1,309	0	0	237	0	0
	33+00	38+00	0	1,049	0	0	0	559	0
	38+00	43+00	13	1,154	16	0	0	0	0
	43+00	48+00	0	0	2,139	128	226	0	0
	48+00	53+00	0	0	2,278	42	225	0	0
	53+00	58+00	0	0	2,240	85	582	0	0
	58+00	63+00	0	0	2,061	0	0	0	0
	63+00	68+00	0	0	1,953	83	553	0	0
	OWENS RD	0+75	5+00	0	1,055	0	0	2,085	0
TOTAL			33	9,211	13,519	422	4,281	559	971

PROPOSED ROADWAY SCHEDULE			AGGREGATE SUBGRADE 6" IMPROVEMENT	AGGREGATE SUBGRADE 12" IMPROVEMENT	HOT-MIX ASPHALT BASE COURSE, 4"	BITUMINOUS MATERIALS (TACK COAT)	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	HOT-MIX ASPHALT SURFACE COURSE, MIX "D" N-70	PROTECTIVE COAT	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	DETECTABLE WARNINGS	CLASS D PATCHES, TYPE II, 8 INCH	AGGREGATE SHOULDERS, TYPE A 6"	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	PAVED FLUME	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	TRAFFIC BARRIER TERMINAL, TYPE 2	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL)
ALIGNMENT	FROM STATION	TO STATION	30300106 SQ YD	30300112 SQ YD	35501300 SQ YD	40600290 POUND	40603080 TON	40603340 TON	42001300 SQ YD	42400200 SQ FT	42400800 SQ FT	44201741 SQ YD	48100500 SQ YD	60603800 FOOT	60617800 FOOT	63000001 FOOT	63100045 EACH	63100167 EACH
STEGER RD	3+00	8+00	0	1,911	1,911	860	241	161	0	0	0	0	475	0	0	0	0	0
	8+00	13+00	0	782	782	898	99	168	33	194	20	0	224	47	0	0	0	0
	13+00	18+00	0	778	778	797	98	149	95	596	0	0	255	123	0	0	0	0
	18+00	23+00	0	1,272	1,273	855	161	160	77	618	20	0	359	32	0	0	0	0
	23+00	28+00	0	1,754	1,755	790	222	148	0	0	0	0	445	0	0	0	0	0
	28+00	33+00	0	2,349	2,304	1,037	291	194	63	236	68	0	388	157	0	0	0	0
	33+00	38+00	0	2,068	2,001	901	253	169	55	0	0	0	341	235	0	312.5	2	1
	38+00	43+00	0	2,116	1,973	895	249	167	116	0	0	0	223	500	0	0	0	1
	43+00	48+00	0	292	214	1,059	27	198	97	0	58	0	0	416	0	0	0	0
	48+00	53+00	0	0	0	1,025	0	192	34	212	22	5	0	41	0	0	0	0
	53+00	58+00	0	0	0	1,008	0	189	99	425	47	0	0	224	3	0	0	0
	58+00	63+00	0	0	0	928	0	174	72	309	0	0	0	309	12	0	0	0
	63+00	68+00	0	0	0	879	0	165	129	425	32	15	209	351	0	0	0	0
	OWENS RD	0+75	5+00	0	1,810	1,575	709	199	133	434	2,127	0	0	0	851	0	0	0
BIKE PATH			3,875	0	3,250	732	0	273	0	0	0	0	0	0	0	0	0	0
MOT			0	0	0	0	435	82	0	0	0	0	0	0	0	0	0	0
TOTAL			3,875	15,131	17,816	13,373	2,275	2,722	1,304	4,833	267	20	2,919	3,286	15	312.5	2	2



USER NAME = mbutler	DESIGNED - JIR	REVISED -
PLOT SCALE = 100.0000' / IN.	DRAWN - JIR	REVISED -
PLOT DATE = 2/1/2016	CHECKED - RMG	REVISED -
	DATE - 02/01/2016	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

F.A. RTE. 1634	SECTION 11-00047-00-FP	COUNTY WILL	TOTAL SHEETS 148	SHEET NO. 9
CONTRACT NO. 61C70				
[ILLINOIS] FED. AID PROJECT				

DRAINAGE SCHEDULE			TRENCH BACKFILL	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 18"	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24"	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 42"	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 48"	CONCRETE COLLAR	STORM SEWERS, CLASS A, TYPE 2 12"	STORM SEWERS, CLASS A, TYPE 2 15"	STORM SEWERS, CLASS A, TYPE 2 18"	STORM SEWERS, CLASS A, TYPE 2 24"	STORM SEWERS, CLASS A, TYPE 2 42"	STORM SEWERS, CLASS A, TYPE 2 48"	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 8 GRATE	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 11V FRAME AND	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 1 FRAME, CLOSED LID	MANHOLES, TYPE A, 7'-DIAMETER, TYPE 1 FRAME, CLOSED LID	INLETS, TYPE A, TYPE 8 GRATE	INLETS, TYPE A, TYPE 11V FRAME AND GRATE	STORM SEWER (WATER MAIN REQUIREMENT) TS 12 INCH		
ALIGNMENT	FROM STATION	TO STATION	20800150 CU YD	54213657 EACH	54213663 EACH	54213669 EACH	54213687 EACH	54213693 EACH	54248510 CU YD	550A0340 FOOT	550A0360 FOOT	550A0380 FOOT	550A0410 FOOT	550A0470 FOOT	550A0480 FOOT	60200805 EACH	60201110 EACH	60218400 EACH	60223800 EACH	60224446 EACH	60236200 EACH	60236825 EACH	Z0056608 FOOT		
ALIGNED	3+00	8+00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
STEGER RD	8+00	13+00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	13+00	18+00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	18+00	23+00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	23+00	28+00	52	0	1	0	4	0	0	0	0	0	0	104	0	0	0	0	0	0	0	0	0	0	
	28+00	33+00	33	0	0	1	0	0	0	0	0	0	140	0	0	0	0	0	0	0	0	0	0	0	
	33+00	38+00	37	0	0	1	0	2	0	100	0	0	89	0	1,130	1	2	0	0	0	0	0	0	0	
	38+00	43+00	269	0	0	0	0	0	0	370	17	0	0	0	594	0	8	0	4	0	0	0	1	0	
	43+00	48+00	0	0	0	0	0	0	0.5	19	0	0	0	0	229	0	3	0	1	4	0	0	0	0	
	48+00	53+00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	53+00	58+00	0	0	0	0	0	0	0	5	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
	58+00	63+00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	63+00	68+00	12	1	2	0	0	0	0	34	0	16	0	0	0	0	1	0	0	0	0	0	2	0	
	OWENS RD	0+75	5+00	110	0	0	0	0	0	0	222	222	191	0	0	0	0	10	4	0	0	0	4	126	
TOTALS			513	1	3	2	4	2	0.5	750	239	207	229	104	1953	1	25	6	5	6	1	7	126		

ROADWAY	EARTHWORK		VOLUME	
	FROM STATION	TO STATION	CUT CU YD	FILL CU YD
STEGER	2+50	3+00	0.0	0.0
STEGER	3+00	3+50	93.4	0.1
STEGER	3+50	4+00	139.4	5.7
STEGER	4+00	4+50	86.9	11.9
STEGER	4+50	5+00	85.8	10.8
STEGER	5+00	5+50	91.2	9.4
STEGER	5+50	6+00	92.3	10.6
STEGER	6+00	6+50	88.3	12.3
STEGER	6+50	7+00	81.3	13.6
STEGER	7+00	7+50	78.1	11.1
STEGER	7+50	8+00	78.7	5.2
STEGER	8+00	8+50	69.7	1.1
STEGER	8+50	9+00	57.6	0.5
STEGER	9+00	9+50	52.8	1.9
STEGER	9+50	10+00	49.3	3.6
STEGER	10+00	10+50	49.7	3.5
STEGER	10+50	11+00	50.0	2.6
STEGER	11+00	11+50	48.1	3.5
STEGER	11+50	12+00	46.2	6.2
STEGER	12+00	12+50	42.3	10.7
STEGER	12+50	13+00	41.0	16.5
STEGER	13+00	13+50	42.9	16.8
STEGER	13+50	14+00	46.5	10.1
STEGER	14+00	14+50	50.2	4.6
STEGER	14+50	15+00	52.0	2.3
STEGER	15+00	15+50	53.8	0.9
STEGER	15+50	16+00	56.7	0.9
STEGER	16+00	16+50	55.2	1.5
STEGER	16+50	17+00	54.2	1.3
STEGER	17+00	17+50	53.6	3.4
STEGER	17+50	18+00	50.3	7.8
STEGER	18+00	18+50	43.1	11.9
STEGER	18+50	19+00	35.8	15.3
STEGER	19+00	19+50	35.0	18.2
STEGER	19+50	20+00	67.8	13.7
STEGER	20+00	20+50	94.8	7.5
STEGER	20+50	21+00	77.0	16.9
STEGER	21+00	21+50	60.2	35.7
STEGER	21+50	22+00	51.1	50.9
STEGER	22+00	22+50	47.2	66.1
STEGER	22+50	23+00	55.5	77.5
STEGER	23+00	23+50	83.0	88.9
STEGER	23+50	24+00	118.0	93.5
STEGER	24+00	24+50	125.8	79.2
STEGER	24+50	25+00	112.3	71.9
STEGER	25+00	25+50	83.4	80.6
STEGER	25+50	26+00	45.2	99.7
STEGER	26+00	26+50	28.9	124.6
STEGER	26+50	27+00	26.1	150.1
STEGER	27+00	27+50	24.1	169.2
STEGER	27+50	28+00	22.1	183.5
STEGER	28+00	28+50	17.1	206.1
STEGER	28+50	29+00	10.5	234.3
STEGER	29+00	29+50	3.8	455.8
STEGER	29+50	30+00	0.0	522.0
STEGER	30+00	30+50	0.0	307.3
STEGER	30+50	31+00	16.0	275.3
STEGER	31+00	31+50	50.1	317.5
STEGER	31+50	32+00	75.0	343.1
STEGER	32+00	32+50	105.9	323.4
STEGER	32+50	33+00	141.6	243.7
STEGER	33+00	33+50	175.4	144.7
STEGER	33+50	34+00	300.0	103.8
STEGER	34+00	34+50	243.3	76.6
STEGER	34+50	35+00	0.0	0.0
STEGER	35+00	35+50	0.0	0.0
STEGER	35+50	36+00	190.0	133.0
TOTAL			8,665	10,643

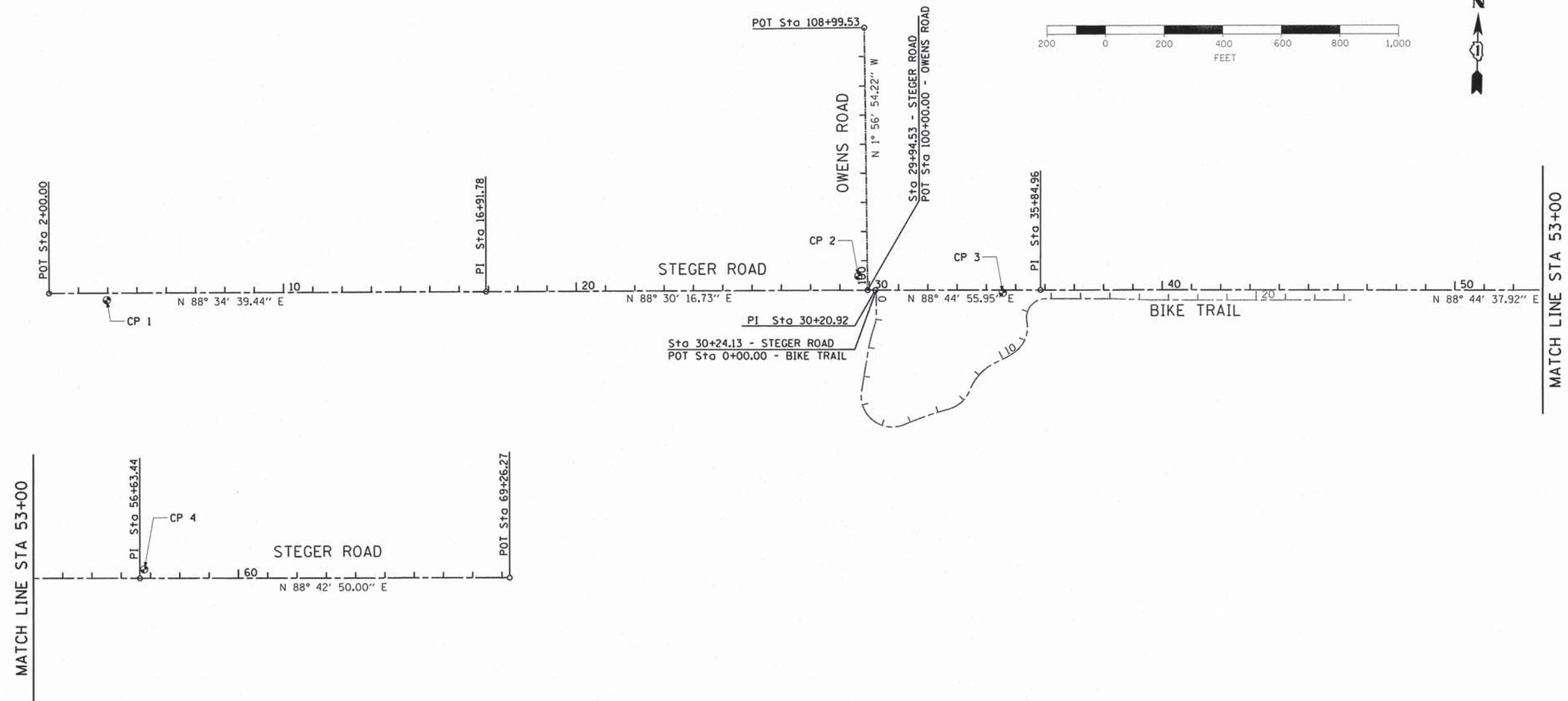
ROADWAY	EARTHWORK		VOLUME	
	FROM STATION	TO STATION	CUT CU YD	FILL CU YD
STEGER	36+00	36+50	364.9	381.3
STEGER	36+50	37+00	343.3	498.4
STEGER	37+00	37+50	327.6	506.0
STEGER	37+50	38+00	312.7	503.9
STEGER	38+00	38+50	243.1	484.9
STEGER	38+50	39+00	176.0	457.0
STEGER	39+00	39+50	215.3	408.0
STEGER	39+50	40+00	246.8	336.7
STEGER	40+00	40+50	228.9	256.8
STEGER	40+50	41+00	211.9	180.0
STEGER	41+00	41+50	202.5	126.8
STEGER	41+50	42+00	212.4	121.6
STEGER	42+00	42+50	224.5	131.7
STEGER	42+50	43+00	219.7	131.8
STEGER	43+00	43+50	205.1	136.0
STEGER	43+50	44+00	162.5	153.4
STEGER	44+00	44+50	88.1	202.8
STEGER	44+50	45+00	45.1	148.1
STEGER	45+00	45+50	40.0	44.6
STEGER	45+50	46+00	19.6	15.4
STEGER	46+00	46+50	3.2	1.1
STEGER	46+50	47+00	3.3	1.4
STEGER	47+00	47+50	0.1	1.4
STEGER	47+50	48+00	0.0	1.3
STEGER	48+00	48+50	0.0	1.1
STEGER	48+50	49+00	0.0	0.7
STEGER	49+00	49+50	0.0	0.5
STEGER	49+50	50+00	0.0	0.4
STEGER	50+00	50+50	0.0	0.4
STEGER	50+50	51+00	0.0	1.7
STEGER	51+00	51+50	0.0	9.6
STEGER	51+50	52+00	0.0	9.1
STEGER	52+00	52+50	0.0	1.1
STEGER	52+50	53+00	0.0	0.6
STEGER	53+00	53+50	0.0	0.7
STEGER	53+50	54+00	0.0	1.9
STEGER	54+00	54+50	0.0	3.5
STEGER	54+50	55+00	0.0	2.8
STEGER	55+00	55+50	0.0	1.8
STEGER	55+50	56+00	0.0	0.0
STEGER	56+00	56+50	0.0	0.0
STEGER	56+50	57+00	0.0	0.0
STEGER	57+00	57+50	0.0	0.0
STEGER	57+50	58+00	0.0	0.0
STEGER	58+00	58+50	0.0	0.0
STEGER	58+50	59+00	0.0	0.0
STEGER	59+00	59+50	0.0	0.0
STEGER	59+50	60+00	0.0	0.0
STEGER	60+00	60+50	0.0	0.0
STEGER	60+50	61+00	0.0	0.0
STEGER	61+00	61+50	0.0	0.0
STEGER	61+50	62+00	0.0	0.0
STEGER	62+00	62+50	0.0	0.0
STEGER	62+50	63+00	0.0	0.0
STEGER	63+00	63+50	0.0	0.0
STEGER	63+50	64+00	0.0	0.0
STEGER	64+00	64+50	0.0	0.0
STEGER	64+50	65+00	0.0	0.0
STEGER	65+00	65+50	0.0	0.0
STEGER	65+50	66+00	8.6	7.4
STEGER	66+00	66+50	18.1	13.1
STEGER	66+50	67+00	17.0	9.4
STEGER	67+00	67+50	15.6	9.7
STEGER	67+50	68+00	8.1	5.9
STEGER	68+00	68+50	0.0	0.0
STEGER	68+50	69+00	0.0	0.0
TOTAL			8,665	10,643

ROADWAY	EARTHWORK		AREA	
	FROM STATION	TO STATION	CUT SQ FT	FILL SQ FT
OWENS	100+00.00	100+50.00	0.0	0.0
OWENS	100+50.00	101+00.00	0.0	280.2
OWENS	101+00.00	101+50.00	0.0	520.7
OWENS	101+50.00	102+00.00	0.0	457.9
OWENS	102+00.00	102+50.00	0.0	393.5
OWENS	102+50.00	103+00.00	0.0	313.5
OWENS	103+00.00	103+50.00	0.1	222.0
OWENS	103+50.00	104+00.00	11.7	143.7
OWENS	104+00.00	104+50.00	37.5	92.3
OWENS	104+50.00	105+00.00	73.5	38.0
OWENS	105+00.00	105+50.00	47.6	4.7
TOTAL			170	2,466

ROADWAY	EARTHWORK		VOLUME	
	FROM STATION	TO STATION	CUT CU YD	FILL CU YD
BIKE PATH	0+00	0+50	0.0	41.7
BIKE PATH	0+50	1+00	0.0	52.8
BIKE PATH	1+00	1+50	3.3	14.7
BIKE PATH	1+50	2+00	5.6	9.2
BIKE PATH	2+00	2+50	0.0	0.0
BIKE PATH	2+50	3+00	16.6	18.8
BIKE PATH	3+00	3+50	8.4	9.5
BIKE PATH	3+50	4+00	7.8	6.8
BIKE PATH	4+00	4+50	13.9	1.1
BIKE PATH	4+50	5+00	19.6	0.1
BIKE PATH	5+00	5+50	21.3	0.2
BIKE PATH	5+50	6+00	17.0	0.4
BIKE PATH	6+00	6+50	13.3	0.5
BIKE PATH	6+50	7+00	1	

NOTES

1. SEE SHEET 2 OF 3 FOR BIKE PATH ALIGNMENT INFORMATION.
2. SEE SHEET 3 OF 3 FOR JACKSON CREEK ALIGNMENT INFORMATION.



STEGER ROAD

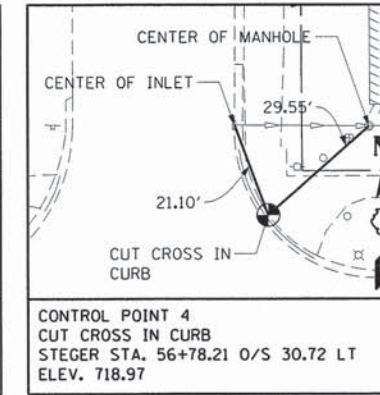
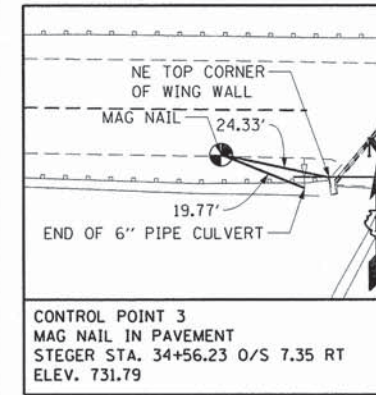
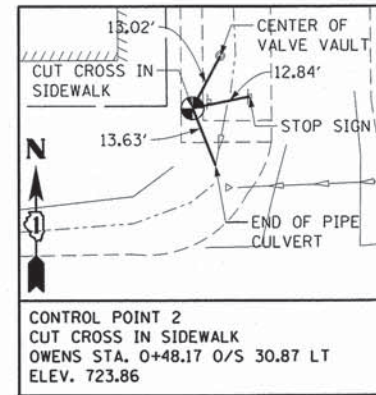
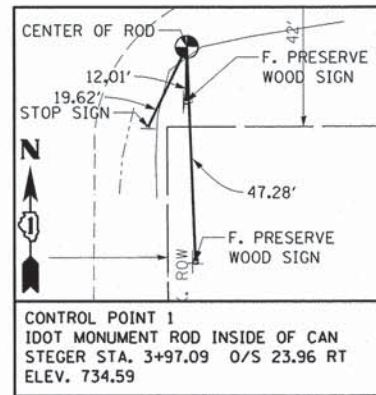
POINT	STATION	NORTHING	EASTING
POT	2+00.00	4,848.59	242.62
PI	16+91.78	4,885.62	1,733.94
PI	30+20.92	4,920.31	3,062.62
PI	35+84.96	4,932.62	3,626.53
PI	56+63.44	4,978.19	5,704.52
POT	69+26.27	5,006.53	6,967.02

OWENS ROAD

POINT	STATION	NORTHING	EASTING
POT	100+00.00	4,919.62	3,036.25
POT	108+99.53	5,818.62	3,005.67

NORTHING AND EASTING COORDINATES ARE BASED ON A LOCAL COORDINATE SYSTEM

CONTROL POINTS



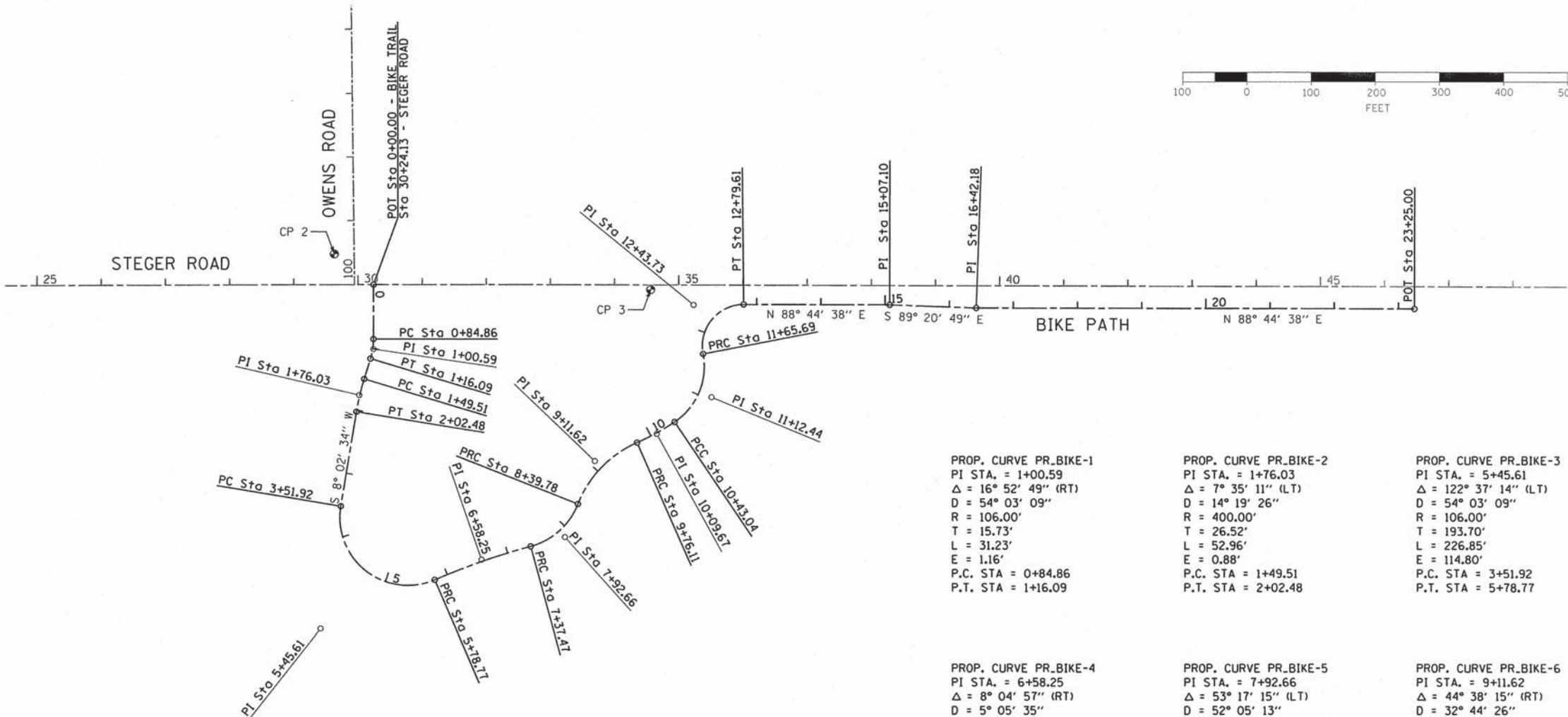
USER NAME = mxbutler	DESIGNED - JIR	REVISED -
PLOT SCALE = 200.0000' / in.	DRAWN - JIR	REVISED -
PLOT DATE = 2/1/2016	CHECKED - MJB	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**ALIGNMENT, TIES AND
 BENCHMARKS**

SCALE: 1" = 200' SHEET 1 OF 3 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1634	11-00047-00-FP	WILL	148	11
CONTRACT NO. 61C70				
ILLINOIS FED. AID PROJECT				



BIKE TRAIL			
POINT	STATION	NORTHING	EASTING
POT	0+00.00	4,920.38	3,065.84
PC	0+84.86	4,835.53	3,067.69
PI	1+00.59	4,819.81	3,068.03
PT	1+16.09	4,804.66	3,063.80
PC	1+49.51	4,772.48	3,054.79
PI	1+76.03	4,746.94	3,047.65
PT	2+02.48	4,720.68	3,043.94
PC	3+51.92	4,572.71	3,023.03
PI	5+45.61	4,380.92	2,995.93
PRC	5+78.77	4,461.48	3,172.07
PI	6+56.25	4,494.54	3,244.35
PRC	7+37.47	4,517.11	3,320.57
PI	7+92.66	4,532.78	3,373.48
PRC	8+39.78	4,584.57	3,392.56
PI	9+11.62	4,651.98	3,417.38
PRC	9+76.11	4,682.51	3,482.41
PI	10+09.67	4,696.76	3,512.79
PCC	10+43.04	4,716.19	3,540.15
PI	11+2.44	4,756.36	3,596.74
PRC	11+65.69	4,824.17	3,581.95
PI	12+43.73	4,900.41	3,565.33
PT	12+79.61	4,902.98	3,643.32
PI	15+07.10	4,907.97	3,870.76
PI	16+42.18	4,906.43	4,005.83
POT	23+25.00	4,921.40	4,688.49

NORTHING AND EASTING COORDINATES ARE BASED ON A LOCAL COORDINATE SYSTEM

- | | | |
|---|--|--|
| <p>PROP. CURVE PR_BIKE-1
 PI STA. = 1+00.59
 $\Delta = 16^\circ 52' 49''$ (RT)
 $D = 54^\circ 03' 09''$
 $R = 106.00'$
 $T = 15.73'$
 $L = 31.23'$
 $E = 1.16'$
 P.C. STA = 0+84.86
 P.T. STA = 1+16.09</p> | <p>PROP. CURVE PR_BIKE-2
 PI STA. = 1+76.03
 $\Delta = 7^\circ 35' 11''$ (LT)
 $D = 14^\circ 19' 26''$
 $R = 400.00'$
 $T = 26.52'$
 $L = 52.96'$
 $E = 0.88'$
 P.C. STA = 1+49.51
 P.T. STA = 2+02.48</p> | <p>PROP. CURVE PR_BIKE-3
 PI STA. = 5+45.61
 $\Delta = 122^\circ 37' 14''$ (LT)
 $D = 54^\circ 03' 09''$
 $R = 106.00'$
 $T = 193.70'$
 $L = 226.85'$
 $E = 114.80'$
 P.C. STA = 3+51.92
 P.T. STA = 5+78.77</p> |
| <p>PROP. CURVE PR_BIKE-4
 PI STA. = 6+58.25
 $\Delta = 8^\circ 04' 57''$ (RT)
 $D = 5^\circ 05' 35''$
 $R = 1,125.00'$
 $T = 79.48'$
 $L = 158.70'$
 $E = 2.80'$
 P.C. STA = 5+78.77
 P.T. STA = 7+37.47</p> | <p>PROP. CURVE PR_BIKE-5
 PI STA. = 7+92.66
 $\Delta = 53^\circ 17' 15''$ (LT)
 $D = 52^\circ 05' 13''$
 $R = 110.00'$
 $T = 55.19'$
 $L = 102.30'$
 $E = 13.07'$
 P.C. STA = 7+37.47
 P.T. STA = 8+39.78</p> | <p>PROP. CURVE PR_BIKE-6
 PI STA. = 9+11.62
 $\Delta = 44^\circ 38' 15''$ (RT)
 $D = 32^\circ 44' 26''$
 $R = 175.00'$
 $T = 71.84'$
 $L = 136.34'$
 $E = 14.17'$
 P.C. STA = 8+39.78
 P.T. STA = 9+76.11</p> |
| <p>PROP. CURVE PR_BIKE-7
 PI STA. = 10+09.67
 $\Delta = 10^\circ 13' 32''$ (LT)
 $D = 15^\circ 16' 44''$
 $R = 375.00'$
 $T = 33.55'$
 $L = 66.93'$
 $E = 1.50'$
 P.C. STA = 9+76.11
 P.T. STA = 10+43.04</p> | <p>PROP. CURVE PR_BIKE-8
 PI STA. = 11+12.44
 $\Delta = 66^\circ 55' 42''$ (LT)
 $D = 54^\circ 34' 03''$
 $R = 105.00'$
 $T = 69.40'$
 $L = 122.65'$
 $E = 20.86'$
 P.C. STA = 10+43.04
 P.T. STA = 11+65.69</p> | <p>PROP. CURVE PR_BIKE-9
 PI STA. = 12+43.73
 $\Delta = 100^\circ 24' 45''$ (RT)
 $D = 88^\circ 08' 50''$
 $R = 65.00'$
 $T = 78.03'$
 $L = 113.91'$
 $E = 36.56'$
 P.C. STA = 11+65.69
 P.T. STA = 12+79.61</p> |

NOTES

- SEE SHEET 1 OF 3 FOR STEGER AND OWENS ROAD ALIGNMENT INFORMATION.
- SEE SHEET 1 OF 3 FOR CONTROL POINT INFORMATION.
- SEE SHEET 3 OF 3 FOR JACKSON CREEK ALIGNMENT INFORMATION.



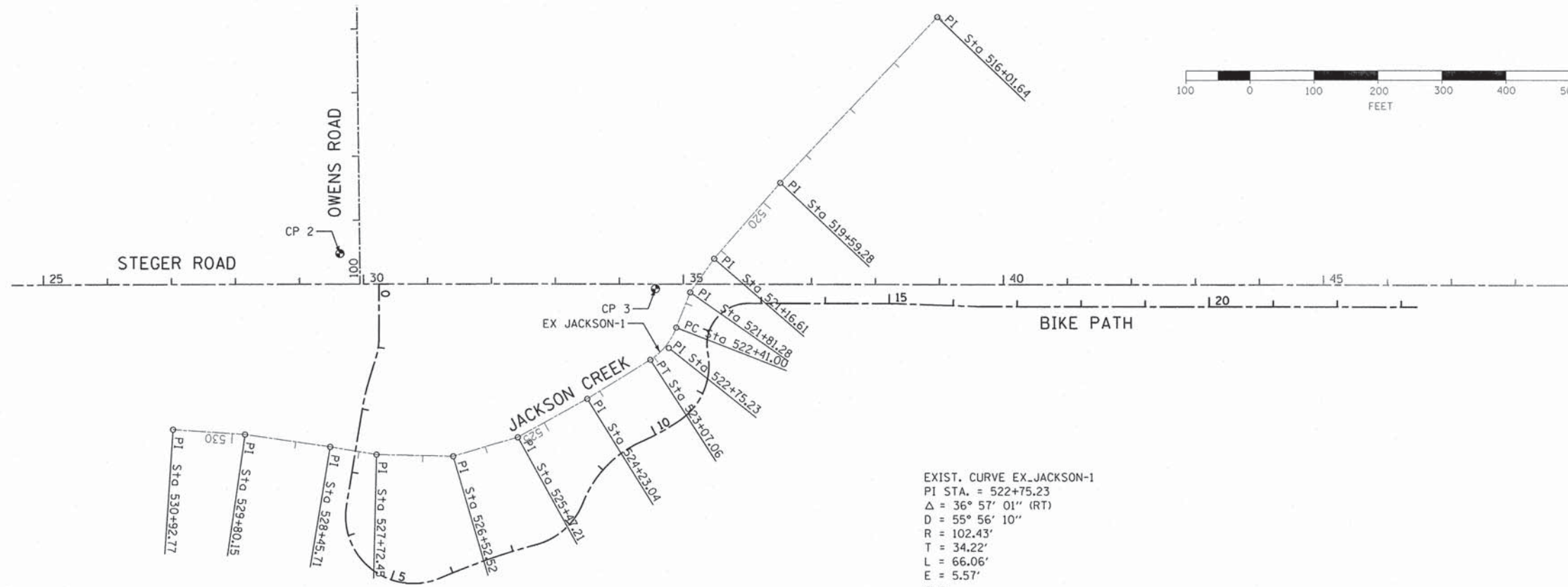
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DRAWN - JIR	REVISION -	
PLOT SCALE = 100.0000' / in.	CHECKED - RMG	REVISED -
PLOT DATE = 2/1/2016	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ALIGNMENT, TIES AND
BENCHMARKS**

SCALE: 1" = 100' SHEET 2 OF 3 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1634	11-00047-00-FP	WILL	148	12
CONTRACT NO. 61C70				
ILLINOIS FED. AID PROJECT				



EXIST. CURVE EX_JACKSON-1
 PI STA. = 522+75.23
 $\Delta = 36^\circ 57' 01''$ (RT)
 $D = 55^\circ 56' 10''$
 $R = 102.43'$
 $T = 34.22'$
 $L = 66.06'$
 $E = 5.57'$
 $e = \text{-----}$
 $T.R. = \text{-----}$
 $S.E. \text{ RUN} = \text{-----}$
 P.C. STA. = 522+41.00
 P.T. STA. = 523+07.06

JACKSON CREEK

POINT	STATION	NORTHING	EASTING
PI	516+01.64	5,358.41	3,928.66
PI	519+59.28	5,092.70	3,689.28
PI	521+16.61	4,971.76	3,558.65
PI	521+81.28	4,918.12	3,552.53
PC	522+41.00	4,862.04	3,532.00
PI	522+75.23	4,829.65	3,520.94
PT	523+07.06	4,810.41	3,492.64
PI	524+23.04	4,746.93	3,395.57
PI	525+47.21	4,684.30	3,288.36
PI	526+52.52	4,652.56	3,187.94
PI	527+72.45	4,562.55	3,068.01
PI	528+45.71	4,662.93	2,995.49
PI	529+80.15	4,679.10	2,862.03
PI	530+92.77	4,684.05	2,749.52

NORTHING AND EASTING COORDINATES ARE BASED ON A LOCAL COORDINATE SYSTEM

NOTES

1. SEE SHEET 1 OF 3 FOR STEGER AND OWENS ROAD ALIGNMENT INFORMATION.
2. SEE SHEET 1 OF 3 FOR CONTROL POINT INFORMATION.
3. SEE SHEET 2 OF 3 FOR BIKE PATH ALIGNMENT INFORMATION.



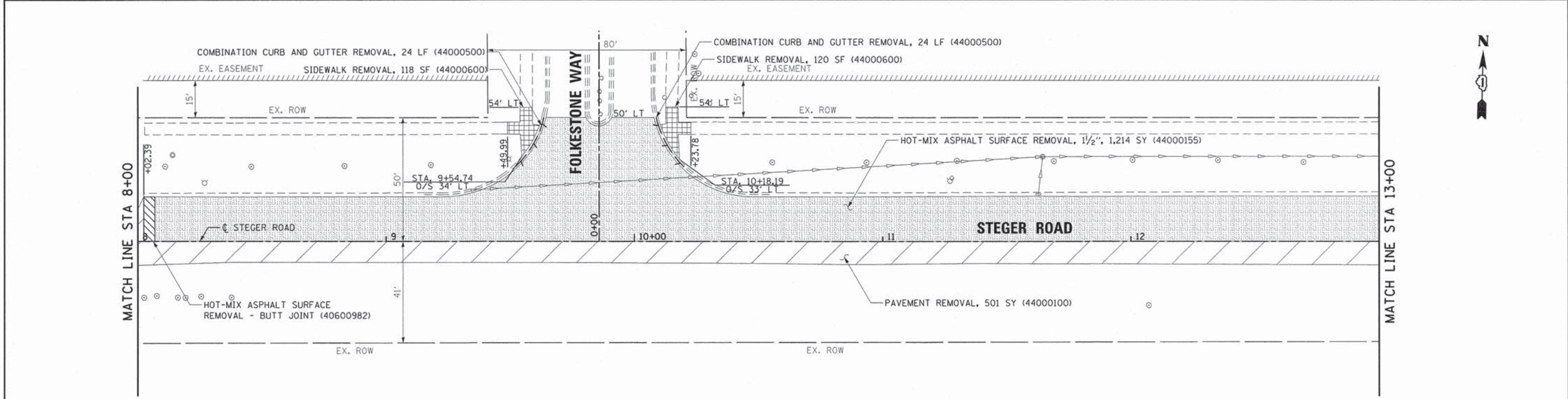
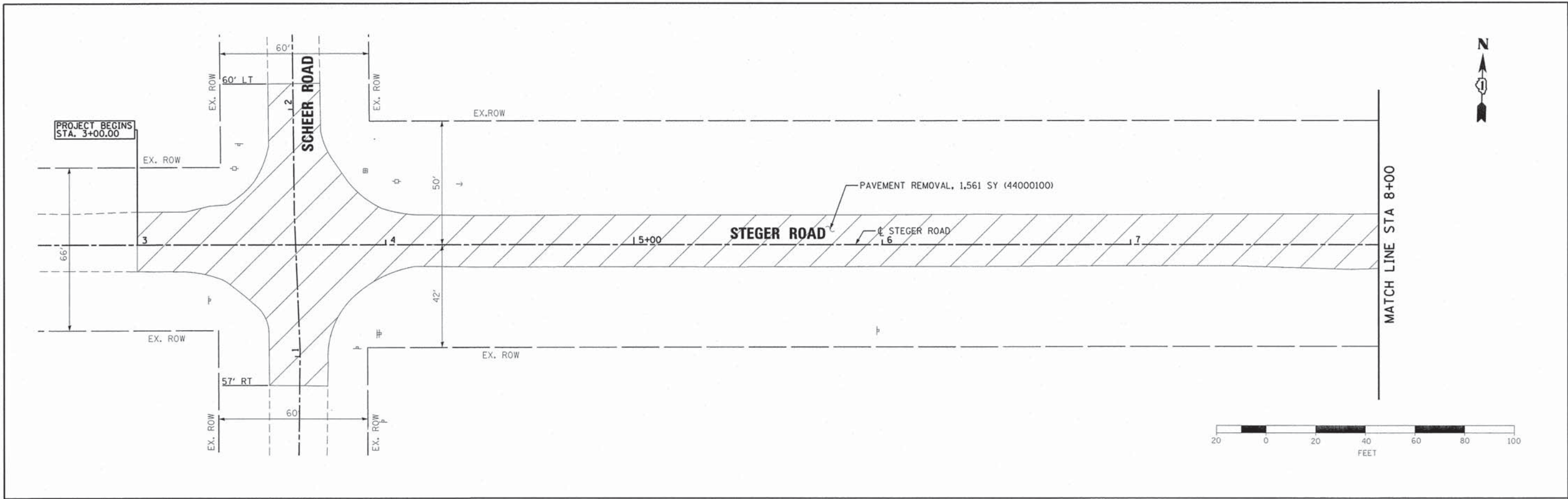
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PLOT DATE = 2/1/2016	CHECKED - RMG	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

ALIGNMENT, TIES AND
 BENCHMARKS

SCALE: 1" = 100' SHEET 3 OF 3 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1634	11-00047-00-FP	WILL	148	13
CONTRACT NO. 61C70				
ILLINOIS FED. AID PROJECT				



LEGEND

- PAVEMENT SURFACE REMOVAL
- SIDEWALK REMOVAL
- CONCRETE HEADWALL REMOVAL
- PAVEMENT REMOVAL
- ITEMS TO BE ADJUSTED
- LINEAR REMOVALS



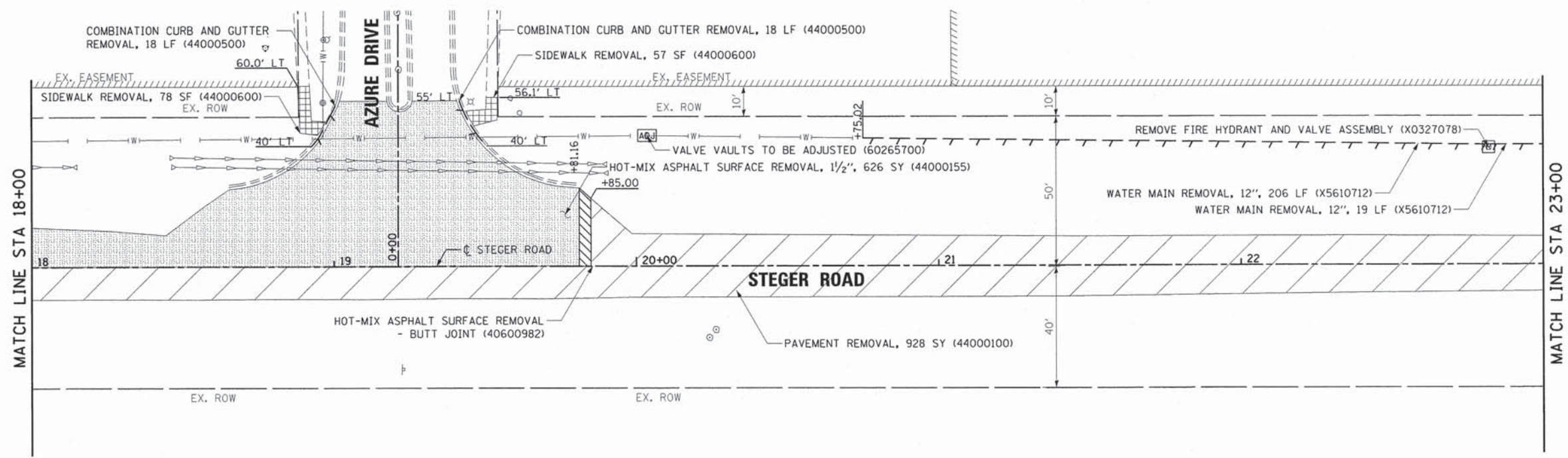
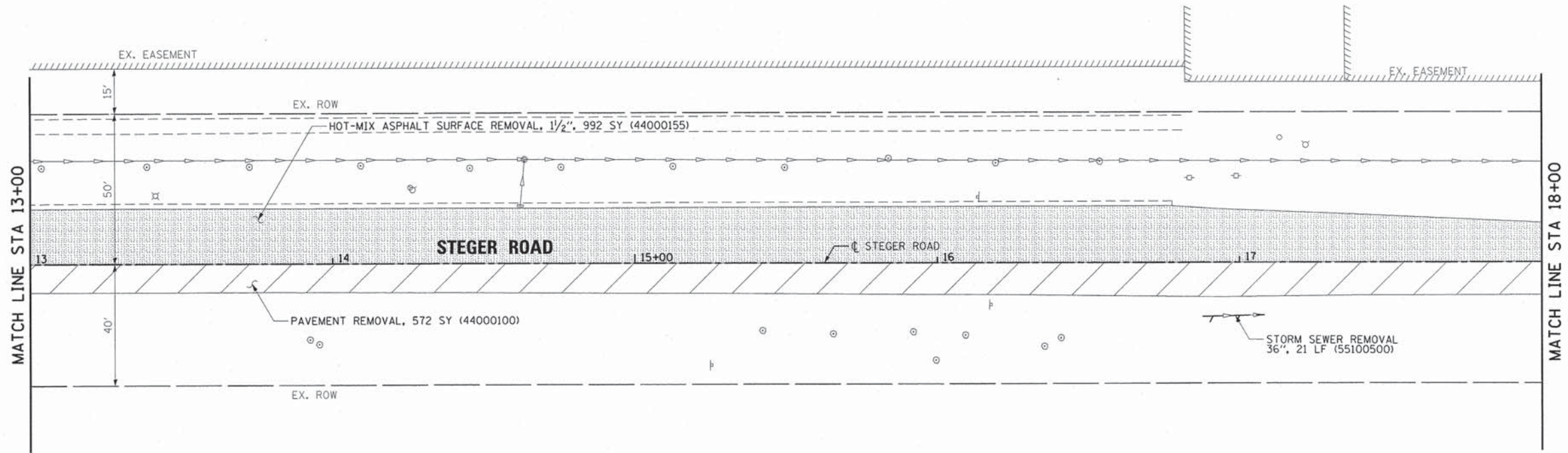
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	DRAWN - JIR	REVISED -
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PLOT DATE = 2/1/2016	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

REMOVAL PLAN

SCALE: 1" = 20' SHEET 1 OF 7 SHEETS STA. 3+00.00 TO STA. 13+00.00

F.A. RTE. 1634	SECTION 11-00047-00-FP	COUNTY WILL	TOTAL SHEETS 148	SHEET NO. 14
CONTRACT NO. 61C70				
ILLINOIS FED. AID PROJECT				



LEGEND

- PAVEMENT SURFACE REMOVAL
- SIDEWALK REMOVAL
- CONCRETE HEADWALL REMOVAL
- ITEMS TO BE ADJUSTED
- PAVEMENT REMOVAL
- LINEAR REMOVALS



USER NAME = mbutler	DESIGNED - JIR	REVISED -
PLOT SCALE = 20,0000' / in.	DRAWN - JIR	REVISED -
PLOT DATE = 2/1/2016	CHECKED - RMG	REVISED -
	DATE -	REVISED -

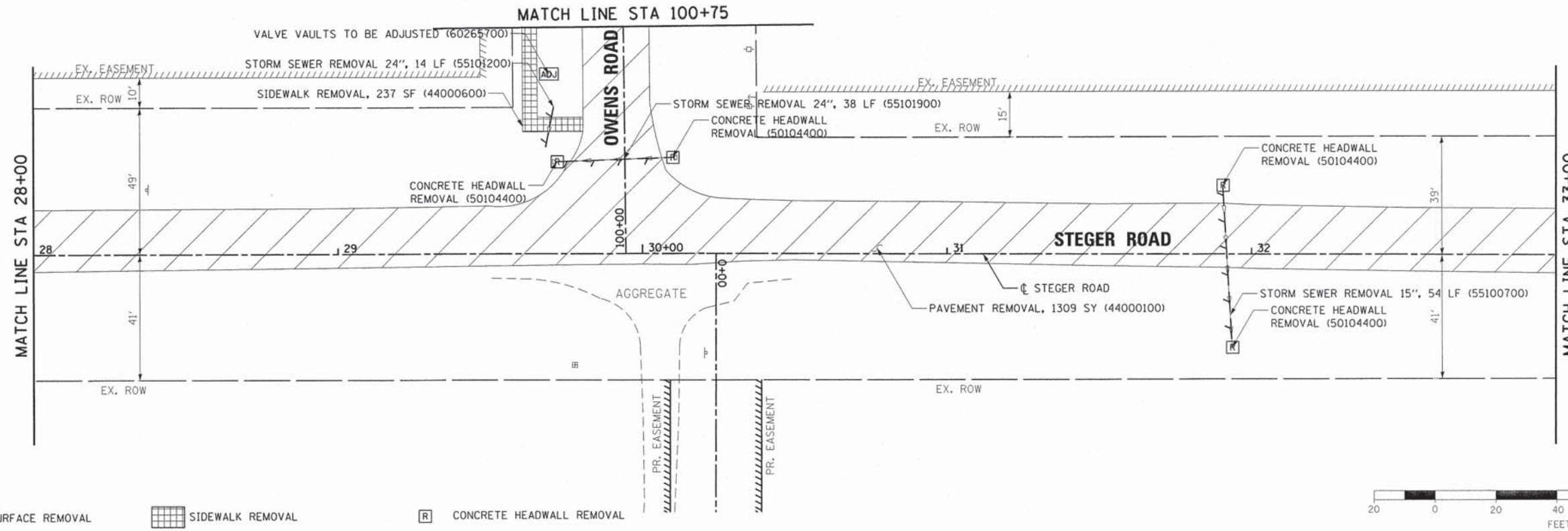
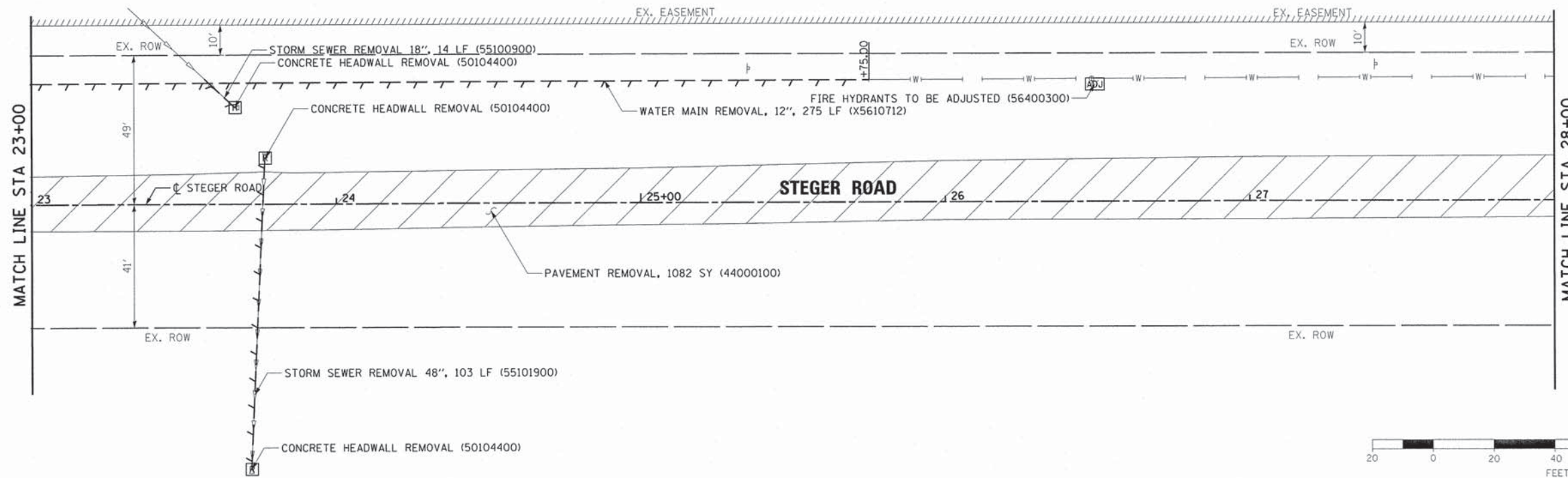
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

REMOVAL PLAN

SCALE: 1" = 20' SHEET 2 OF 7 SHEETS STA. 13+00.00 TO STA. 23+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1634	11-00047-00-FP	WILL	148	15
CONTRACT NO. 61C70				
ILLINOIS FED. AID PROJECT				

80043-shr-removal02.dgn



LEGEND

- PAVEMENT SURFACE REMOVAL
- SIDEWALK REMOVAL
- CONCRETE HEADWALL REMOVAL
- PAVEMENT REMOVAL
- ITEMS TO BE ADJUSTED
- LINEAR REMOVALS



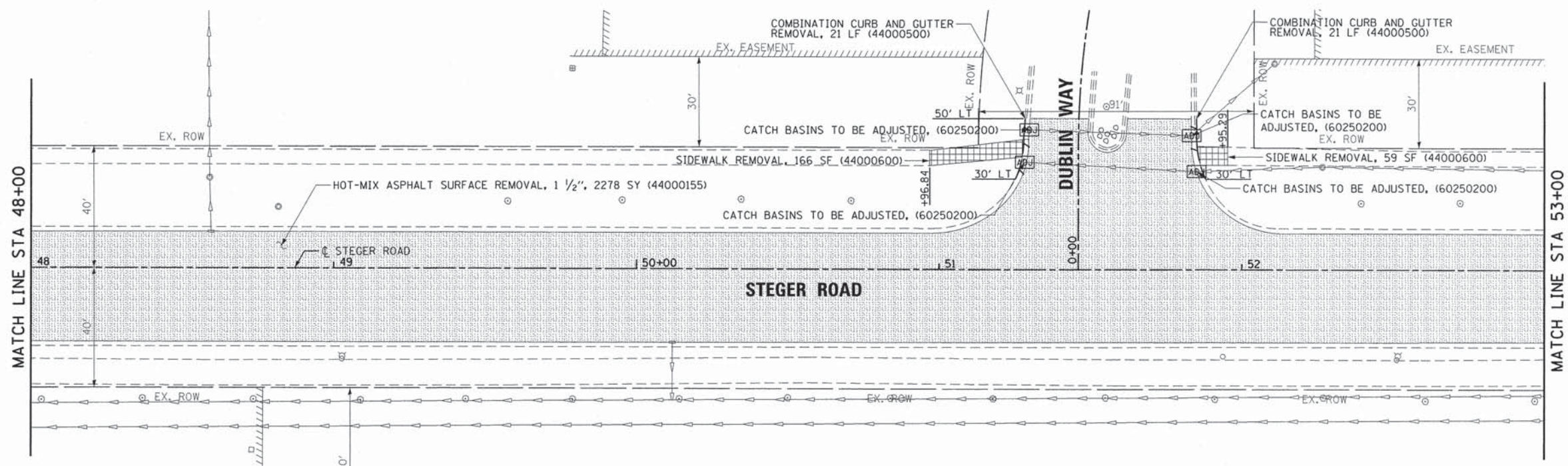
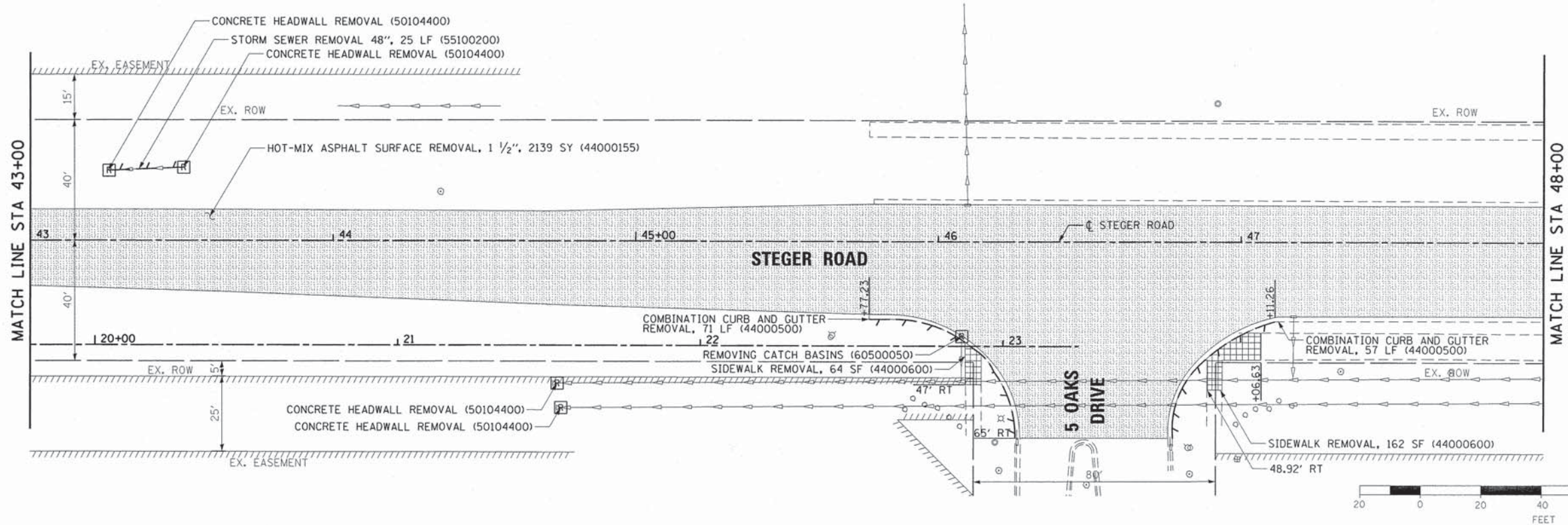
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PLOT DATE = 2/1/2016	CHECKED - RMG	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

REMOVAL PLAN

SCALE: 1" = 20' SHEET 3 OF 7 SHEETS STA. 23+00.00 TO STA. 33+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1634	11-00047-00-FP	WILL	148	16
CONTRACT NO. 61C70			ILLINOIS FED. AID PROJECT	



LEGEND

- PAVEMENT SURFACE REMOVAL
- SIDEWALK REMOVAL
- CONCRETE HEADWALL REMOVAL
- PAVEMENT REMOVAL
- ITEMS TO BE ADJUSTED
- LINEAR REMOVALS



USER NAME = mbutler	DESIGNED - JIR	REVISED -
DRAWN - JIR	REVISIONS -	
PLOT SCALE = 20.0000' / 1" = 20'	CHECKED - RMG	REVISED -
PLOT DATE = 2/1/2016	DATE -	REVISED -

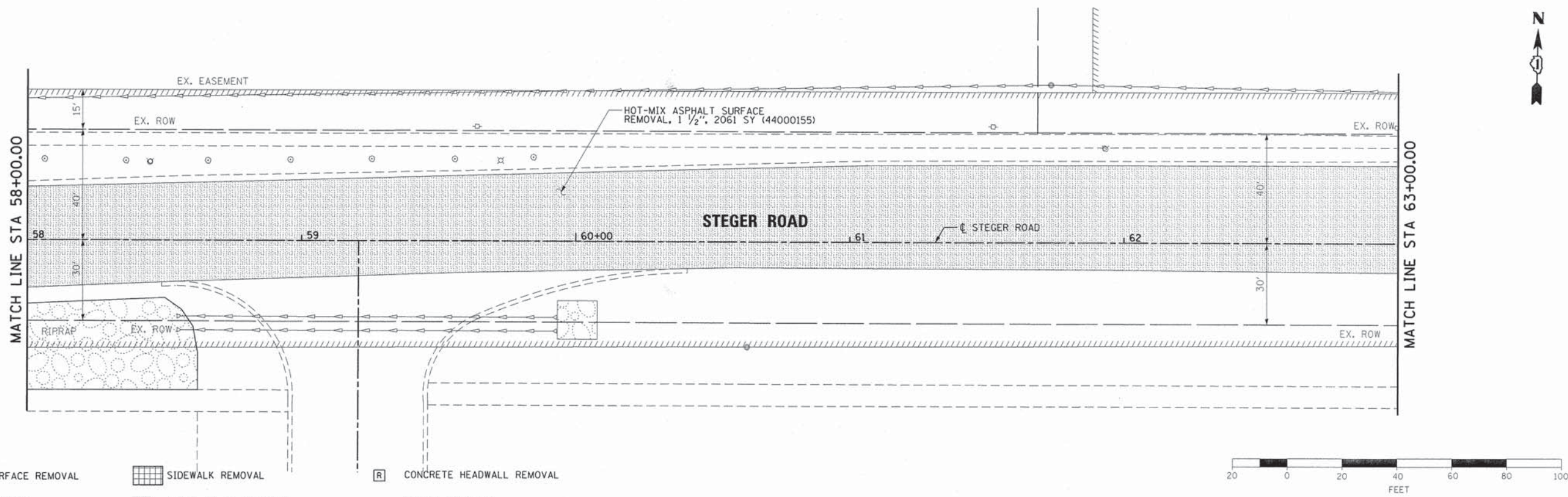
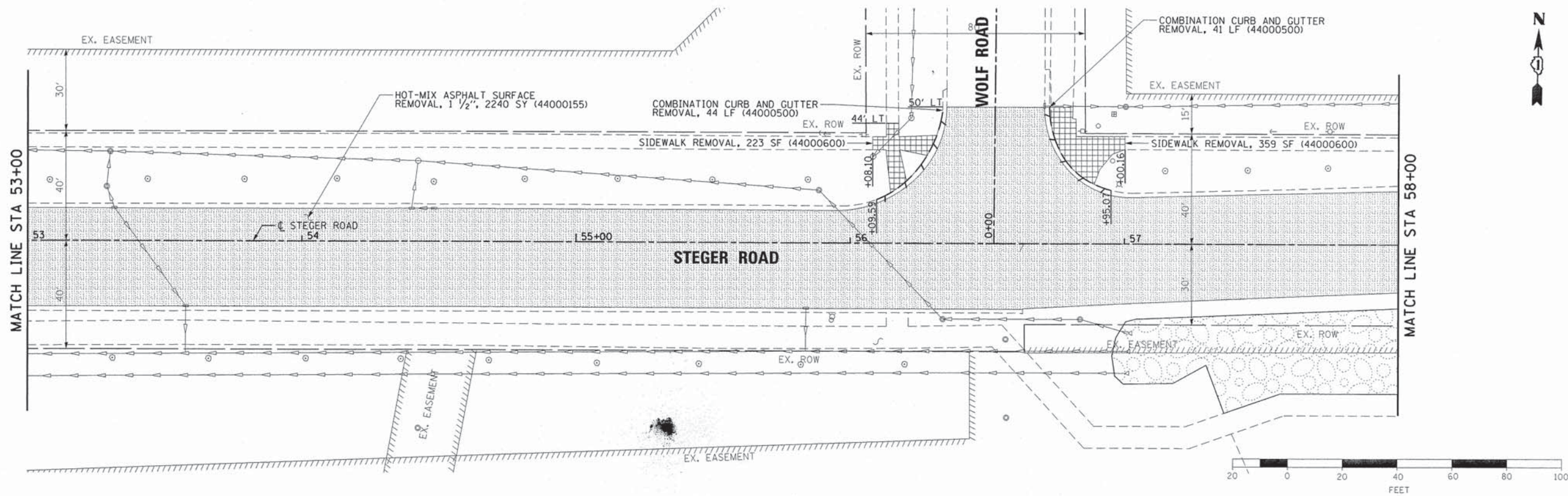
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

REMOVAL PLAN

SCALE: 1" = 20' SHEET 5 OF 7 SHEETS STA. 43+00.00 TO STA. 53+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1634	11-00047-00-FP	WILL	148	18
CONTRACT NO. 61C70				
ILLINOIS FED. AID PROJECT				

82043-sht-removal05.dgn



LEGEND

- PAVEMENT SURFACE REMOVAL
- SIDEWALK REMOVAL
- CONCRETE HEADWALL REMOVAL
- PAVEMENT REMOVAL
- ITEMS TO BE ADJUSTED
- LINEAR REMOVALS



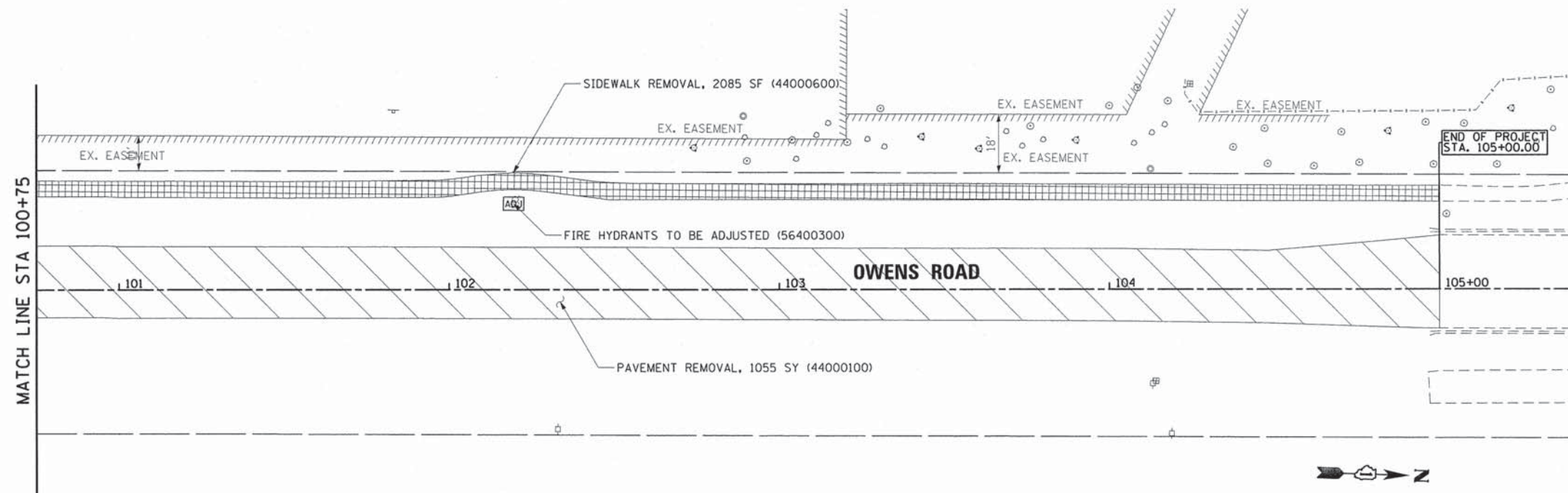
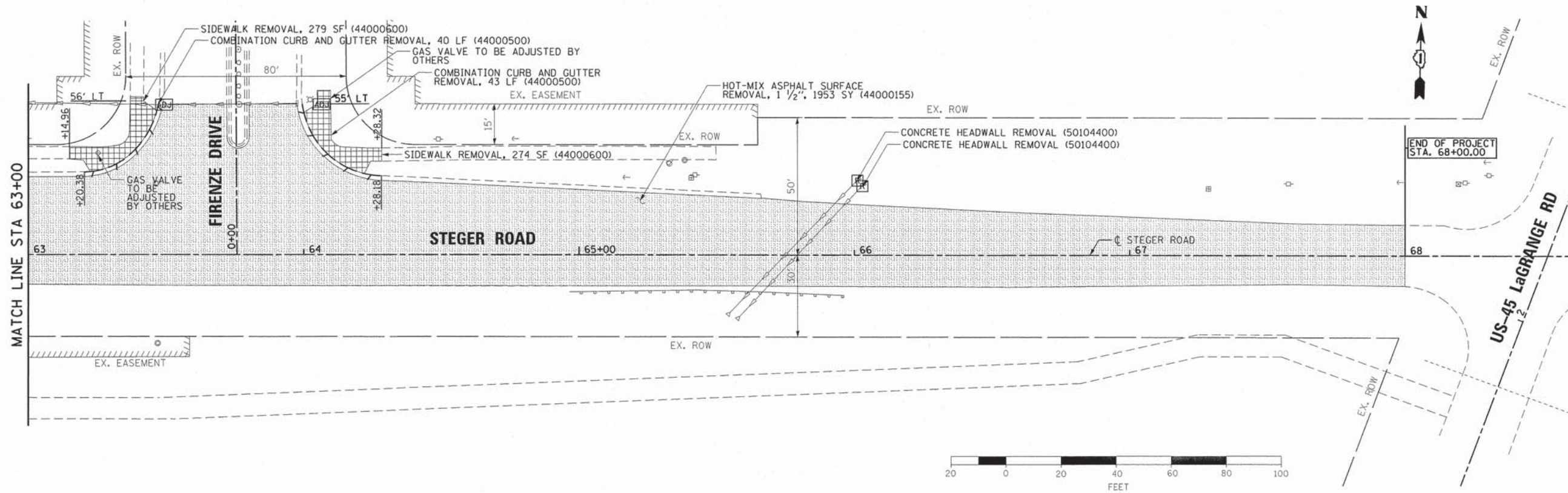
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	DRAWN - JIR	REVISED -
PLOT SCALE = 20,0000' / 1" =	CHECKED - RMG	REVISED -
PLOT DATE = 2/1/2016	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

REMOVAL PLAN

SCALE: 1" = 20' SHEET 6 OF 7 SHEETS STA. 53+00.00 TO STA. 63+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1634	11-00047-00-FP	WILL	148	19
CONTRACT NO. 61C70				
ILLINOIS FED. AID PROJECT				



LEGEND

- PAVEMENT SURFACE REMOVAL
- SIDEWALK REMOVAL
- CONCRETE HEADWALL REMOVAL
- PAVEMENT REMOVAL
- ADJ ITEMS TO BE ADJUSTED
- LINEAR REMOVALS



USER NAME = mbutler	DESIGNED - JIR	REVISED -
	DRAWN - JIR	REVISED -
PLOT SCALE = 20.0000' / 1" =	CHECKED - RMG	REVISED -
PLOT DATE = 2/1/2016	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

REMOVAL PLAN

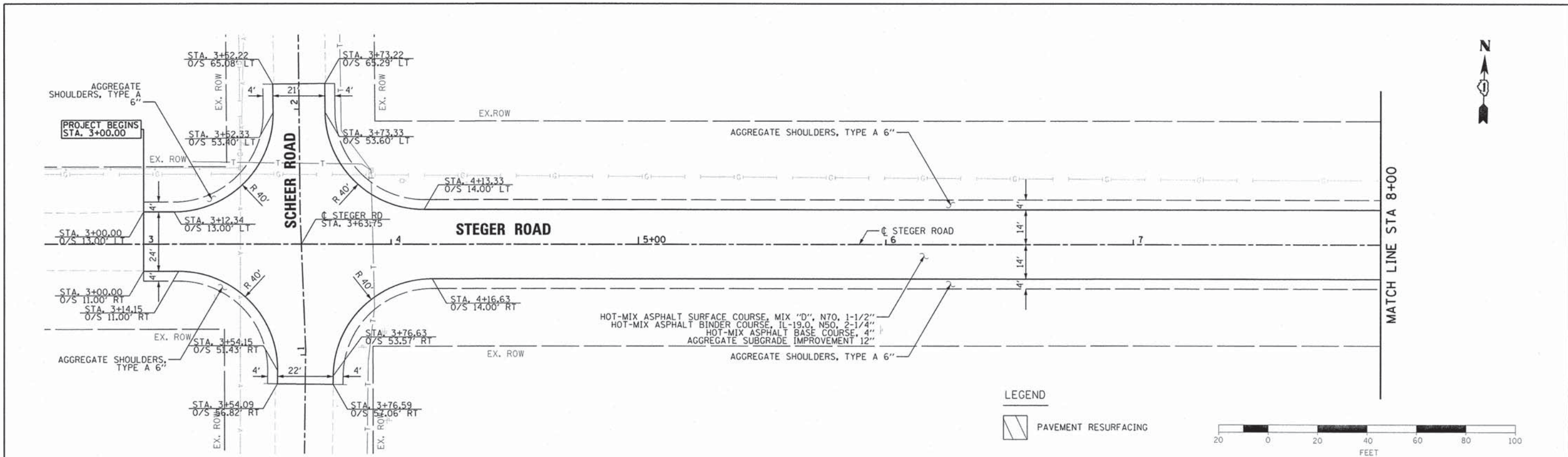
SCALE: 1" = 20' SHEET 7 OF 7 SHEETS STA. 63+00.00 TO STA. 68+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1634	11-00047-00-FP	WILL	148	20
CONTRACT NO. 61C70				
ILLINOIS FED. AID PROJECT				

80043-shr-removal07.dgn

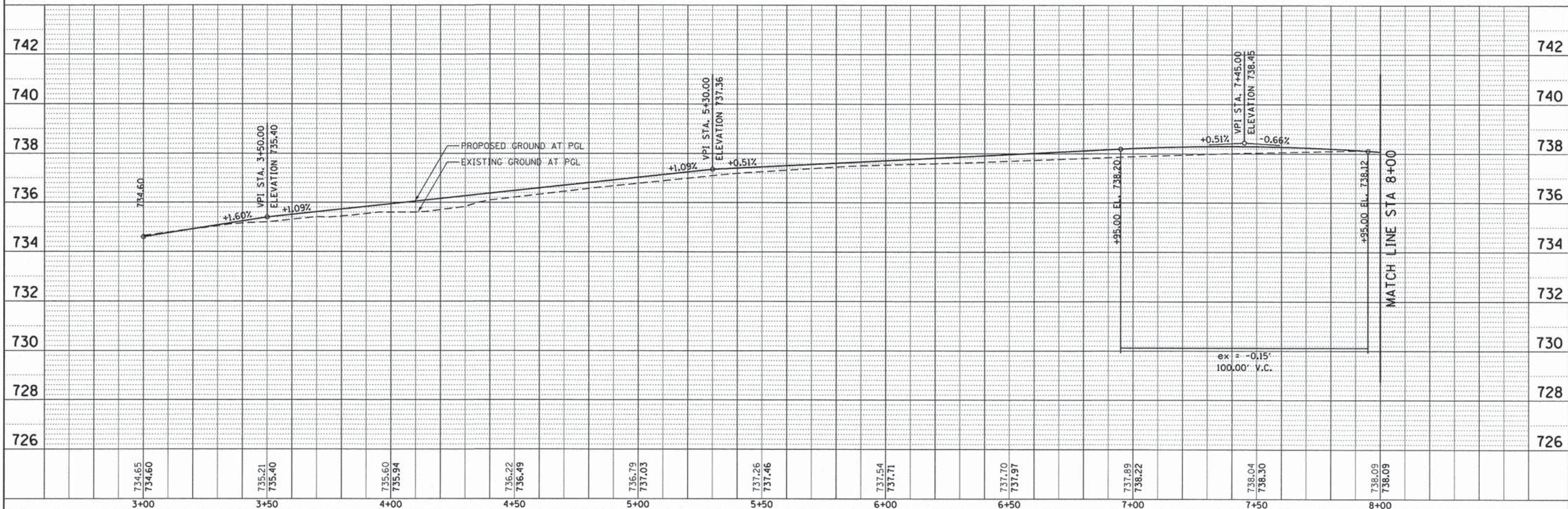
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	BY	
	PLOTTED	
	DATE	
	NOTE BOOK	
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	PROJECT	
	FILE NAME	

PROFILE	SURVEYED	DATE
	BY	
	PLOTTED	
	DATE	
	NOTE BOOK	
	NO.	
	PROJECT	
	FILE NAME	



LEGEND

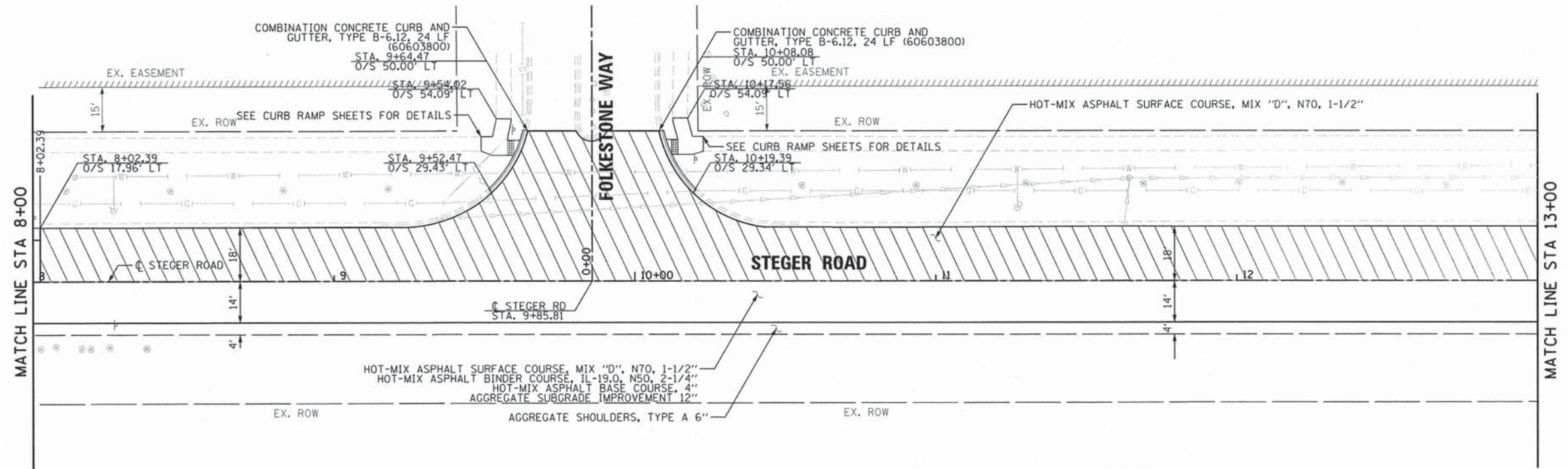
PAVEMENT RESURFACING



	USER NAME = mxbutler	DESIGNED - JIR	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	STEGER ROAD PLAN AND PROFILE			F.A. RTE. 1634	SECTION 11-00047-00-FP	COUNTY WILL	TOTAL SHEETS 148	SHEET NO. 21	
	PLOT SCALE = 28.0000' / in.	DRAWN - JIR	REVISED -		SCALE: 1" = 20'	SHEET 1	OF 14 SHEETS	STA. 3+00.00	TO STA. 8+00.00	CONTRACT NO. 61C70			
	PLOT DATE = 2/1/2016	CHECKED - RMG	REVISED -		ILLINOIS FED. AID PROJECT								
		DATE - 02/01/2016	REVISED -										

PLAN	SURVEYED	DATE
	ALIGNED	
	NOTED	
	FILED	
	NO.	

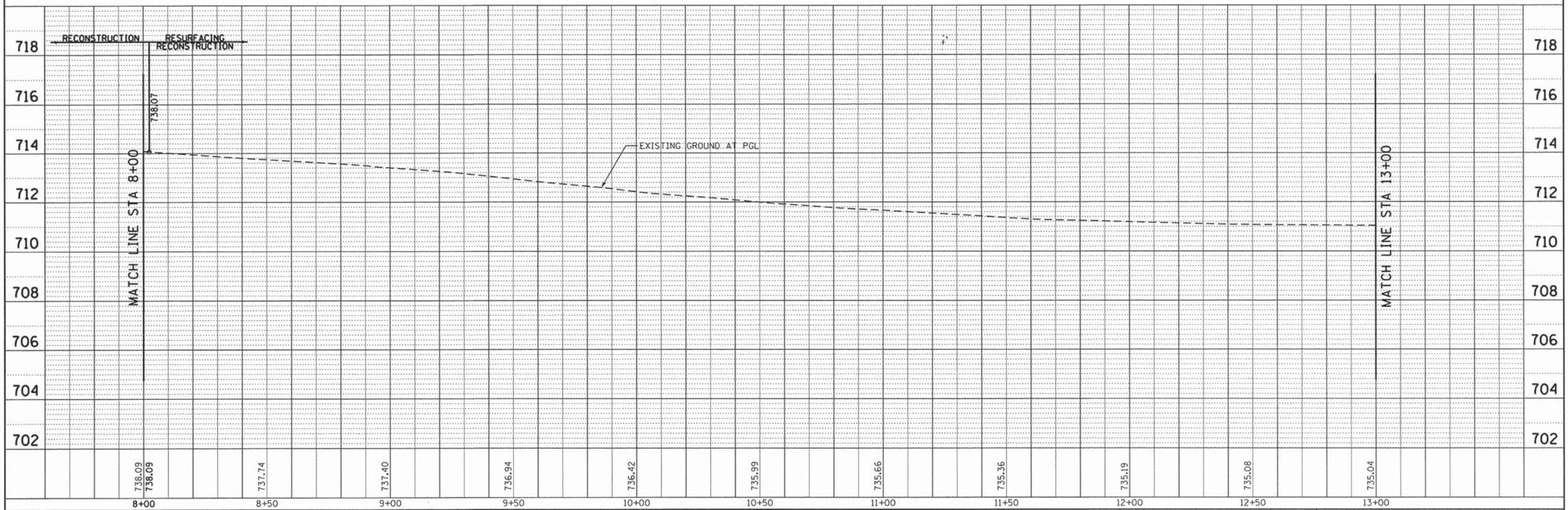
PROFILE	SURVEYED	DATE
	PLOTTED	
	NOTED	
	FILED	
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NOTES
 1. SEE CURB RAMP SHEETS FOR SIDEWALK DETAILS

LEGEND

PAVEMENT RESURFACING

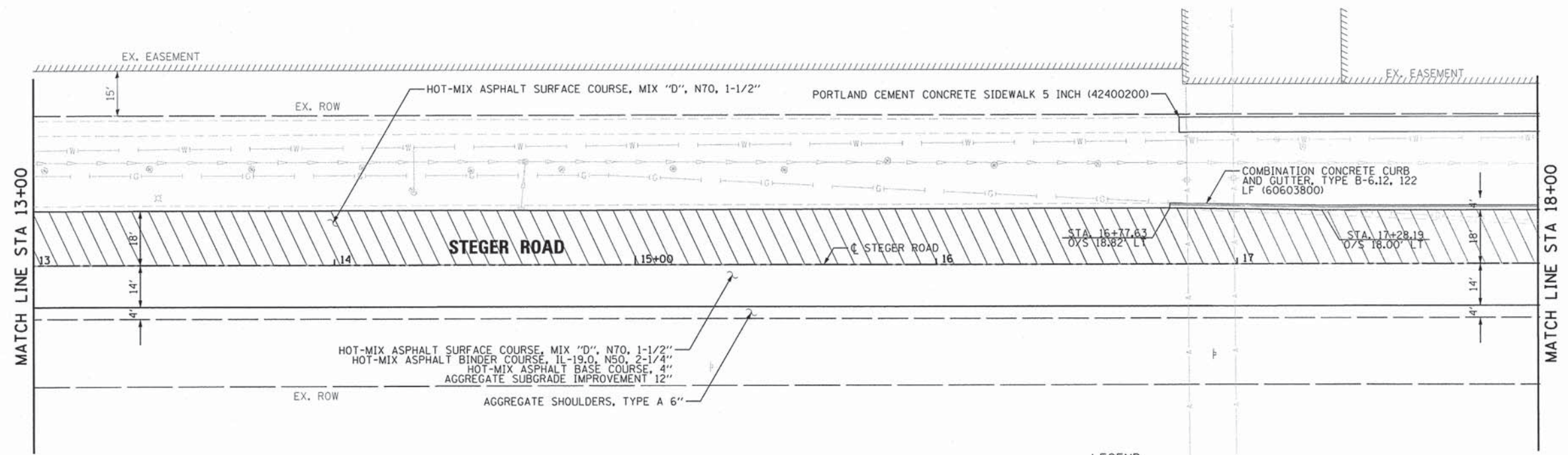


BURNS MCDONNELL	USER NAME = mxbutler	DESIGNED - JIR	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	STAGER ROAD PLAN AND PROFILE			F.A. RTE. 1634	SECTION 11-00047-00-FP	COUNTY WILL	TOTAL SHEETS 148	SHEET NO. 22	
	PLOT SCALE = 20.0000' / in.	DRAWN - JIR	REVISED -		SCALE: 1" = 20'	SHEET 2	OF 14 SHEETS	STA. 8+00.00	TO STA. 13+00.00	CONTRACT NO. 61C70			
	PLOT DATE = 2/1/2016	CHECKED - RMG	REVISED -		ILLINOIS FED. AID PROJECT								
		DATE - 02/01/2016	REVISED -										

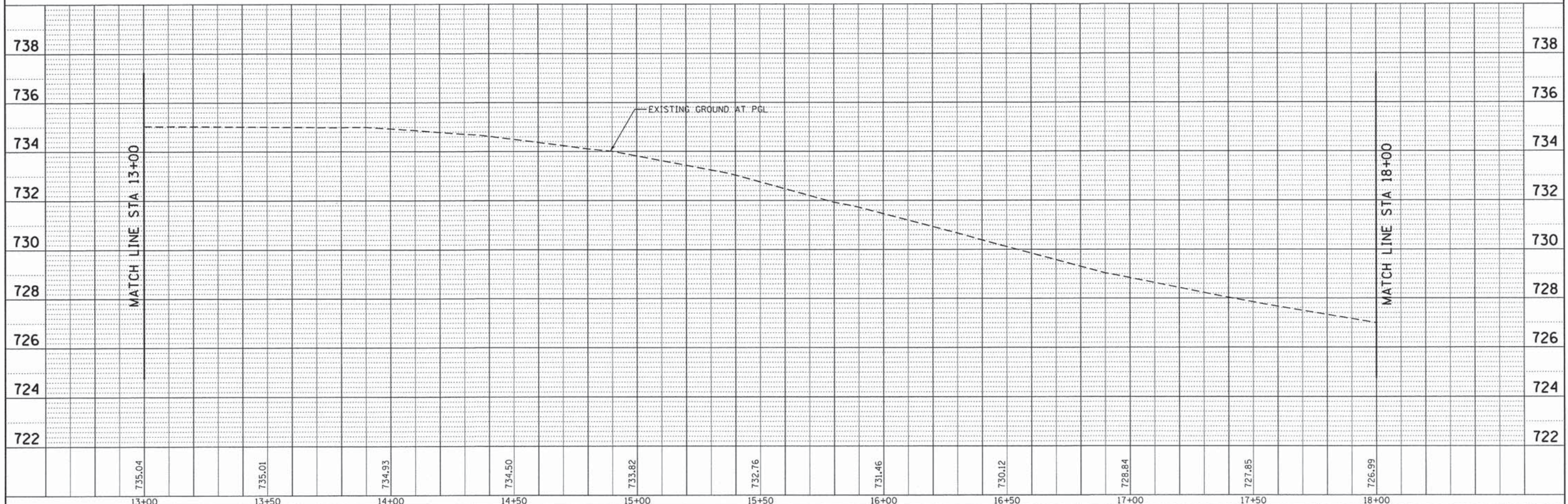
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PLAN SURVEYED BY DATE
 ALIGNED BY DATE
 NOTE BOOK NO. RT. OF WAY CHECKED BY DATE
 CDD FILE NAME

PROF ILE SURVEYED BY DATE
 PLOTTED BY DATE
 NOTE BOOK NO. BAL. NOTED BY DATE
 STRUCTURE NOTATION: CRPKD



LEGEND



13+00	13+50	14+00	14+50	15+00	15+50	16+00	16+50	17+00	17+50	18+00
735.04	735.01	734.93	734.50	733.82	732.76	731.46	730.12	728.84	727.85	726.99



USER NAME = mxbutler	DESIGNED - JIR	REVISED -
PLOT SCALE = 20.0000' / in.	DRAWN - JIR	REVISED -
PLOT DATE = 2/1/2016	CHECKED - RMG	REVISED -
	DATE - 02/01/2016	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

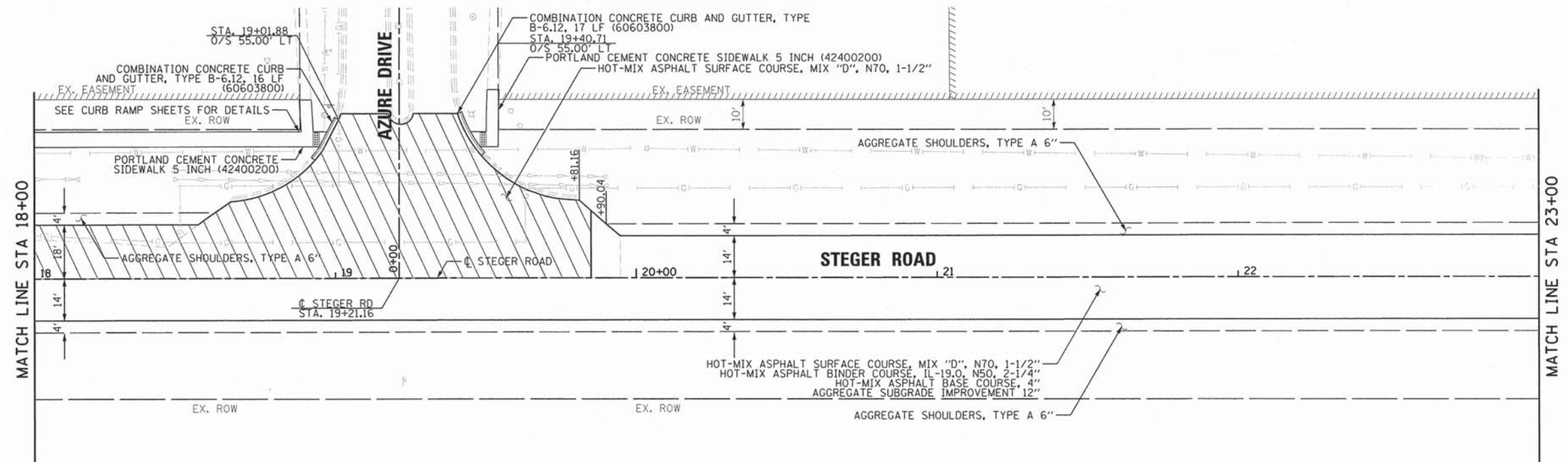
STEGER ROAD		
PLAN AND PROFILE		
SCALE: 1" = 20'	SHEET 3 OF 14 SHEETS	STA. 13+00.00 TO STA. 18+00.00

F.A. RTE. 1634	SECTION 11-00047-00-FP	COUNTY WILL	TOTAL SHEETS 148	SHEET NO. 23
CONTRACT NO. 61C70			ILLINOIS FED. AID PROJECT	

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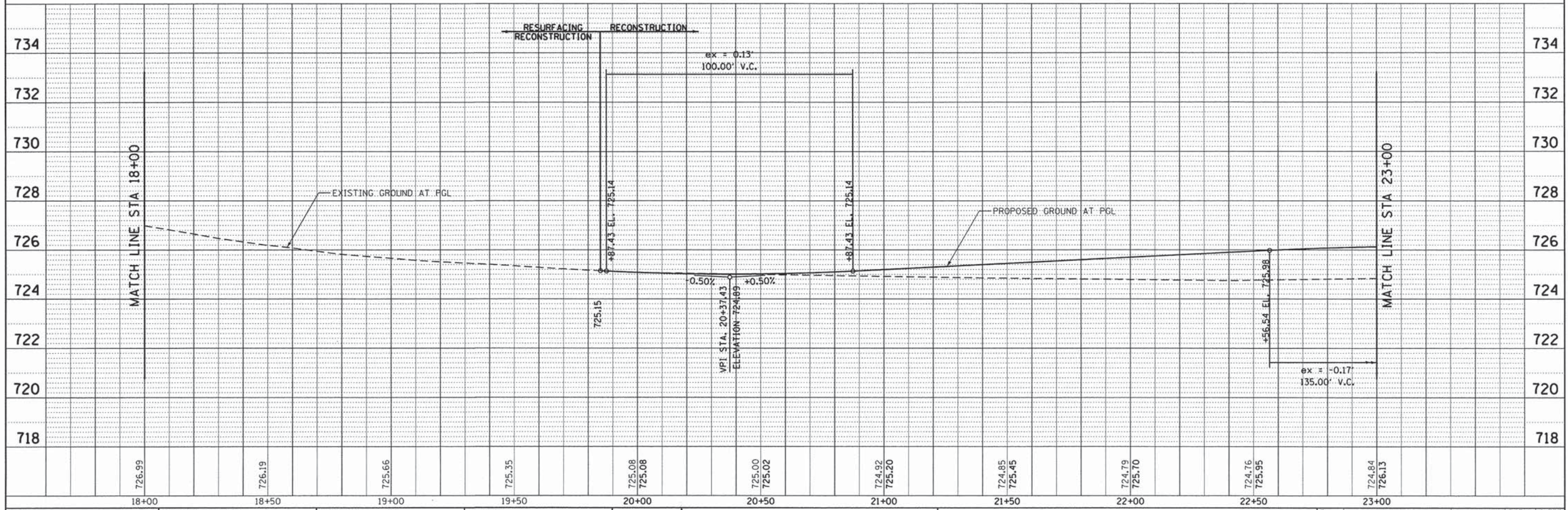
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	PLOTTED	
	CHECKED	
	BY	
	NO. OF	
	DATE	
	FILE NAME	

PROFILE	SURVEYED	DATE
	PLOTTED	
	CHECKED	
	BY	
	NO. OF	
	DATE	
	FILE NAME	



NOTES
1. SEE CURB RAMP SHEETS FOR SIDEWALK DETAILS

LEGEND
 PAVEMENT RESURFACING



726.99	726.19	725.66	725.35	725.08	725.08	725.00	725.02	724.92	725.20	724.85	725.45	724.79	725.70	724.76	725.95	724.84	726.13
18+00	18+50	19+00	19+50	20+00	20+50	21+00	21+50	22+00	22+50	23+00							

BURNS MCDONNELL

USER NAME = mxbutler	DESIGNED - JIR	REVISED -
	DRAWN - JIR	REVISED -
PLLOT SCALE = 20.0000' / 1"	CHECKED - RMG	REVISED -
PLLOT DATE = 2/1/2016	DATE - 02/01/2016	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

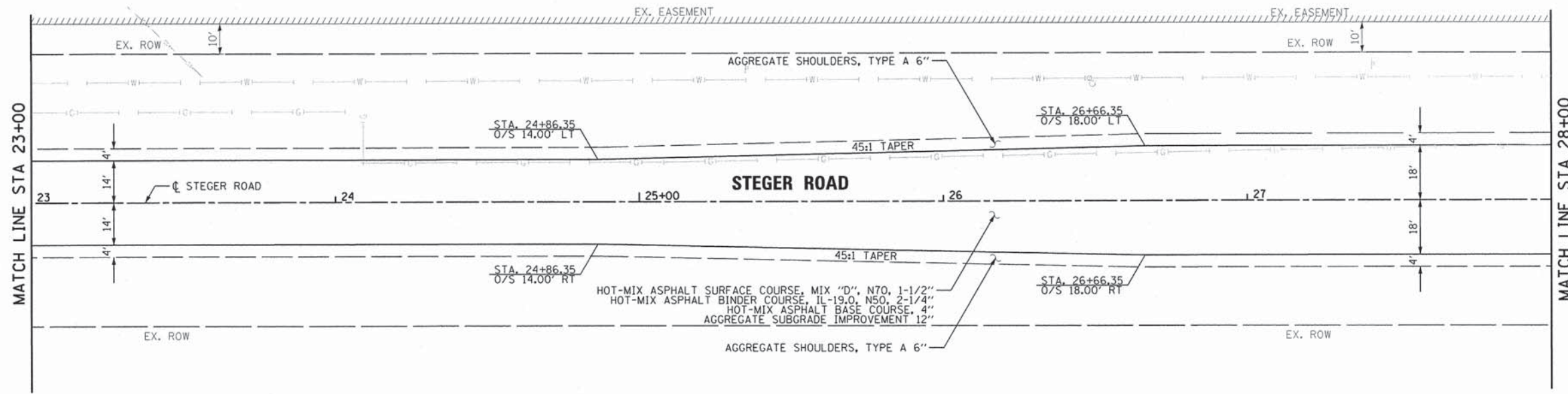
STEGER ROAD
PLAN AND PROFILE
SCALE: 1" = 20' SHEET 4 OF 14 SHEETS STA. 18+00.00 TO STA. 23+00.00

F.A. RTE. 1634	SECTION 11-00047-00-FP	COUNTY WILL	TOTAL SHEETS 148	SHEET NO. 24
CONTRACT NO. 61C70				

80043-sht-plnpr f04.dgn

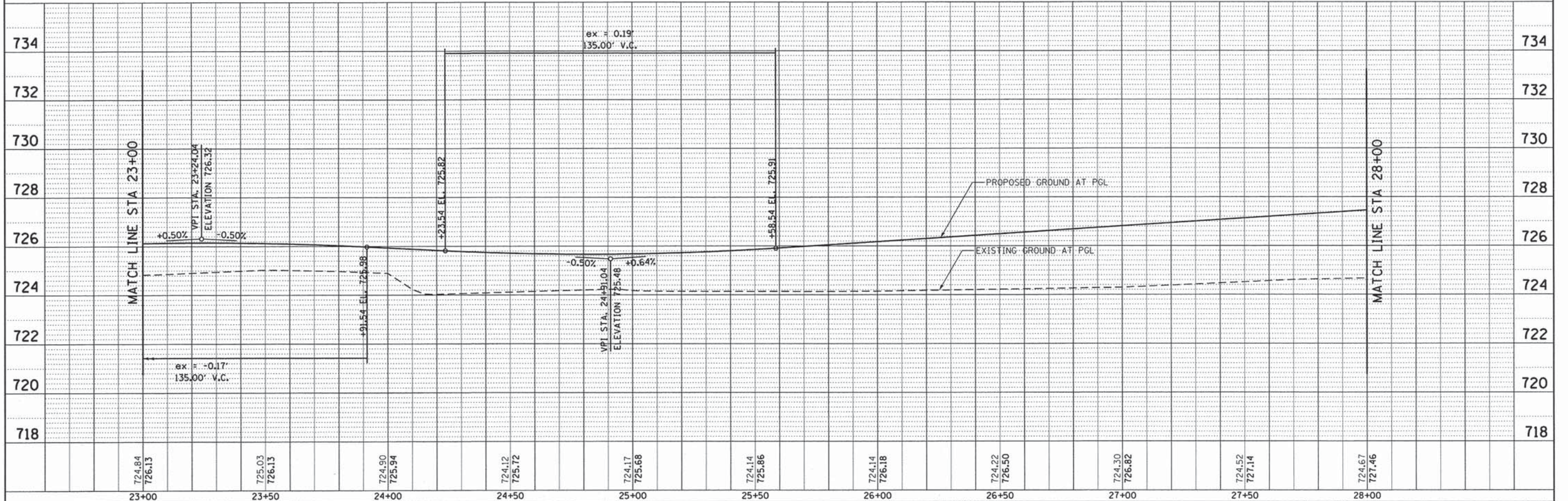
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PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	NOTE BOOK		
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	NO.		
	NO.		
	NO.		



LEGEND

PAVEMENT RESURFACING



**BURNS
MCDONNELL**

USER NAME = mxbutler	DESIGNED - JIR	REVISED -
DESIGNED - JIR	DRAWN - JIR	REVISED -
CHECKED - RMG	DATE - 02/01/2016	REVISED -
PLOT SCALE = 20.0000' / 1\"/>		

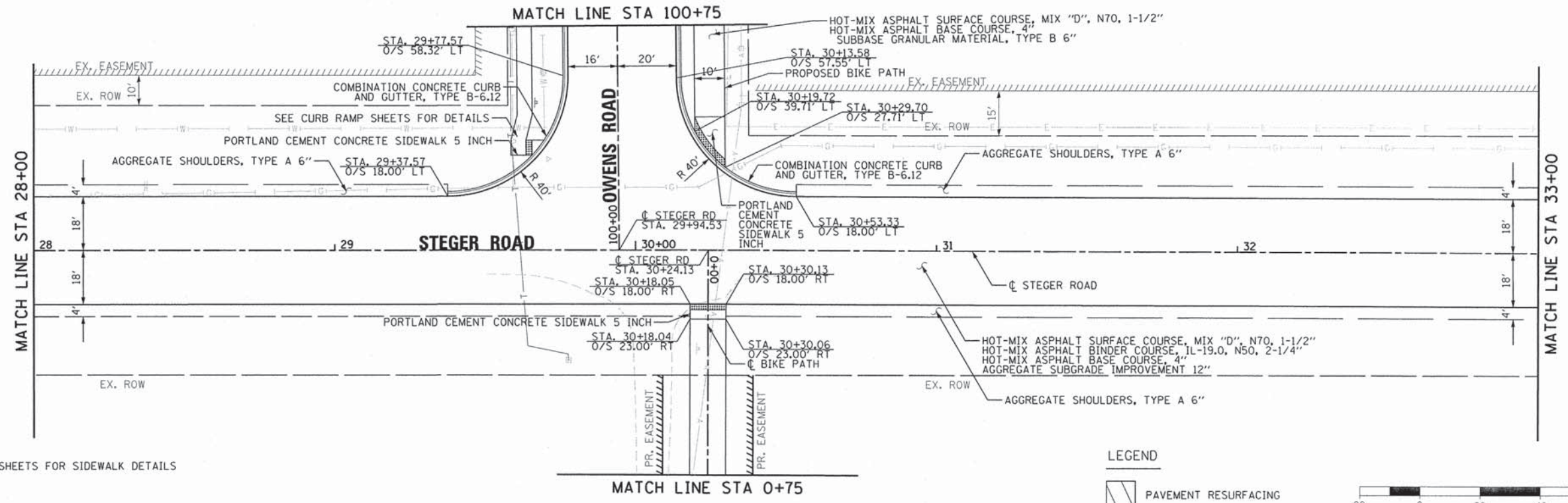
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STEGER ROAD
PLAN AND PROFILE
SCALE: 1" = 20'
SHEET 5 OF 14 SHEETS
STA. 23+00.00 TO STA. 28+00.00

F.A. RTE. 1634	SECTION 11-00047-00-FP	COUNTY WILL	TOTAL SHEETS 148	SHEET NO. 25
CONTRACT NO. 61C70				
ILLINOIS FED. AID PROJECT				

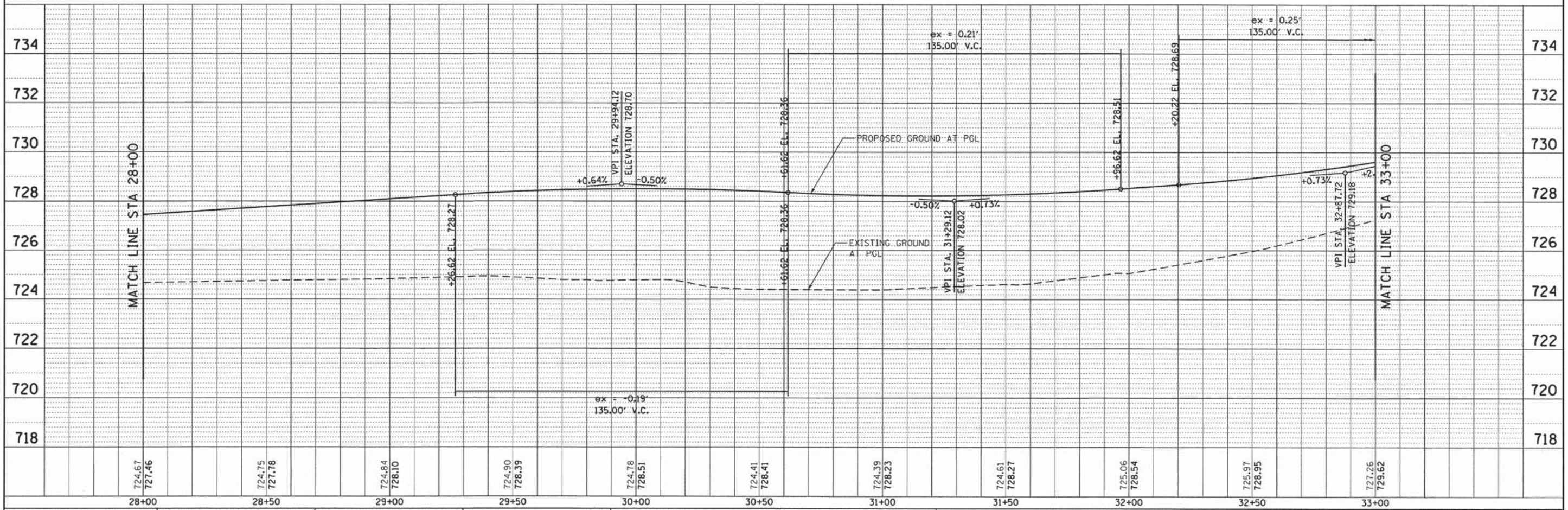
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BY	
SURVEYED	
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ADD FILE NAME	

DATE	
BY	
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NOTE BOOK	
NO. OF PAGES	
DATE CHECKED	
BY	
ADD FILE NAME	



NOTES
1. SEE CURB RAMP SHEETS FOR SIDEWALK DETAILS

LEGEND
 PAVEMENT RESURFACING



724.67	727.46	724.75	727.78	724.84	728.10	724.90	728.39	724.78	728.51	724.41	728.41	724.39	728.23	724.61	728.27	725.06	728.54	725.97	728.95	727.26	729.62
28+00	28+50	29+00	29+50	30+00	30+50	31+00	31+50	32+00	32+50	33+00											



USER NAME = mbutler	DESIGNED - JIR	REVISED -
	DRAWN - JIR	REVISED -
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	DATE - 02/01/2016	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

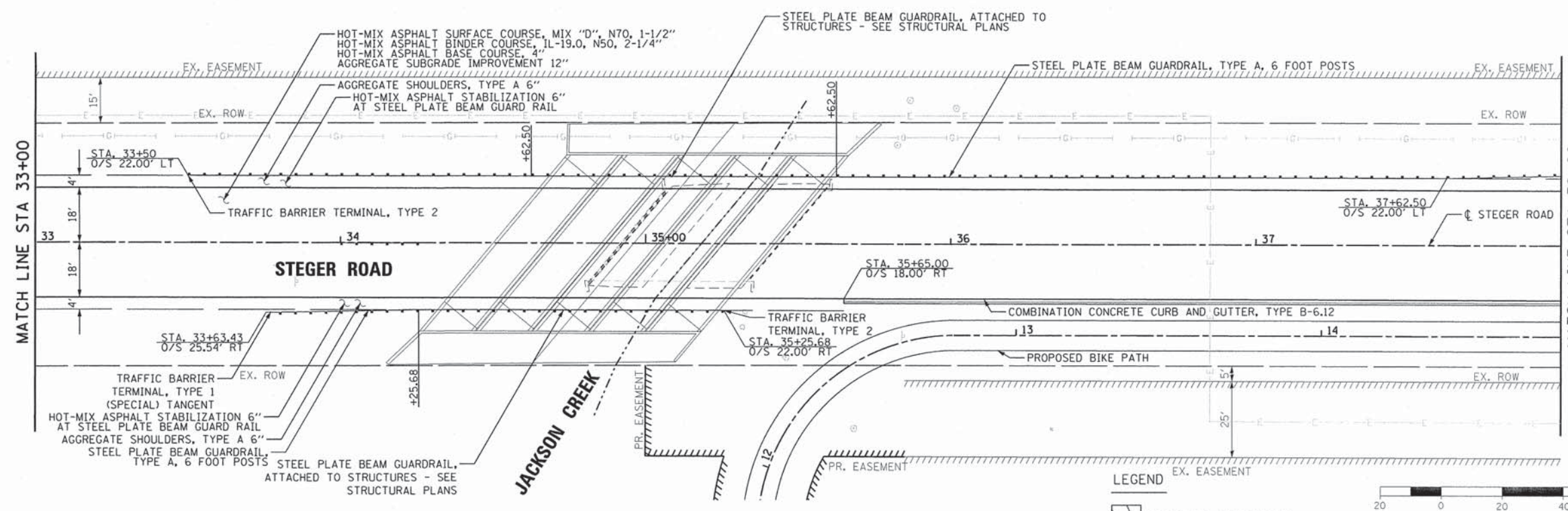
STEGER ROAD	
PLAN AND PROFILE	
SCALE: 1" = 20'	SHEET 6 OF 14 SHEETS
STA. 28+00.00	TO STA. 33+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1634	11-00047-00-FP	WILL	148	26
CONTRACT NO. 61C70				
ILLINOIS FED. AID PROJECT				

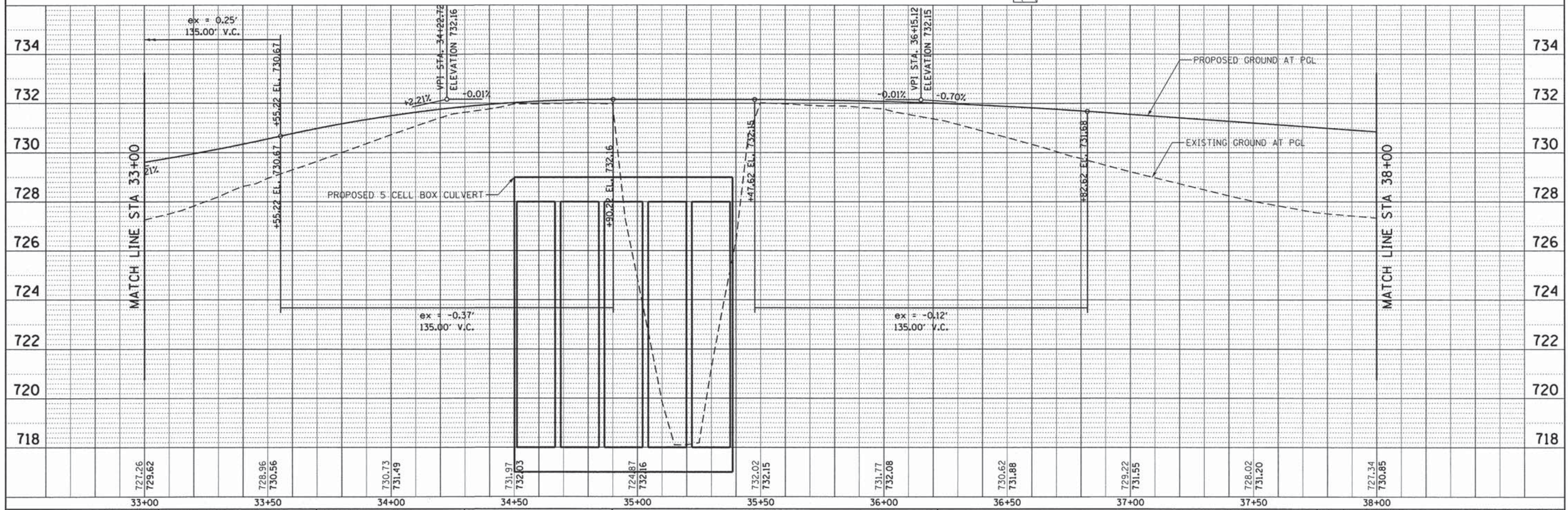
88043-shr-plnpr-f06.dgn

DATE	
BY	
PLANNED	
DESIGNED	
CHECKED	
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DATE	
BY	
PLANNED	
DESIGNED	
CHECKED	
NOTED	
NO.	



- NOTES
1. SEE BIKE PATH PLAN AND PROFILE FOR DETAILS.
 2. SEE BOX CULVERT PLANS FOR STRUCTURE DETAILS.
 3. SEE GRADING PLANS FOR GRADING DETAILS.



727.26 729.62	728.96 730.56	730.73 731.49	731.97 732.03	724.87 732.16	732.02 732.15	731.77 732.08	730.62 731.88	729.22 731.55	728.02 731.20	727.34 730.85
33+00	33+50	34+00	34+50	35+00	35+50	36+00	36+50	37+00	37+50	38+00



USER NAME = mxbutler	DESIGNED - JIR	REVISED -
PLOT SCALE = 20.0000' / in.	DRAWN - JIR	REVISED -
PLOT DATE = 2/1/2016	CHECKED - RMG	REVISED -
	DATE - 02/01/2016	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

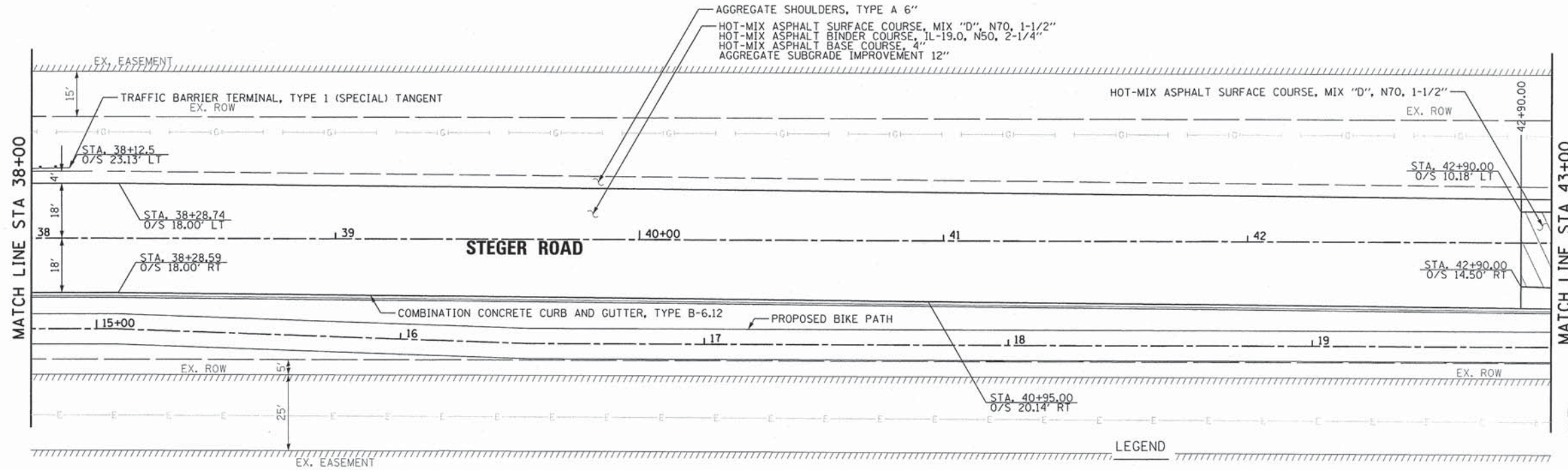
STEGER ROAD PLAN AND PROFILE	
SCALE: 1" = 20'	SHEET 7 OF 14 SHEETS
STA. 33+00.00	TO STA. 38+00.00

F.A. RTE. 1634	SECTION 11-00047-00-FP	COUNTY WILL	TOTAL SHEETS 148	SHEET NO. 27
CONTRACT NO. 61C70				
ILLINOIS FED. AID PROJECT				

80043-shk-plnpr f07.dgn

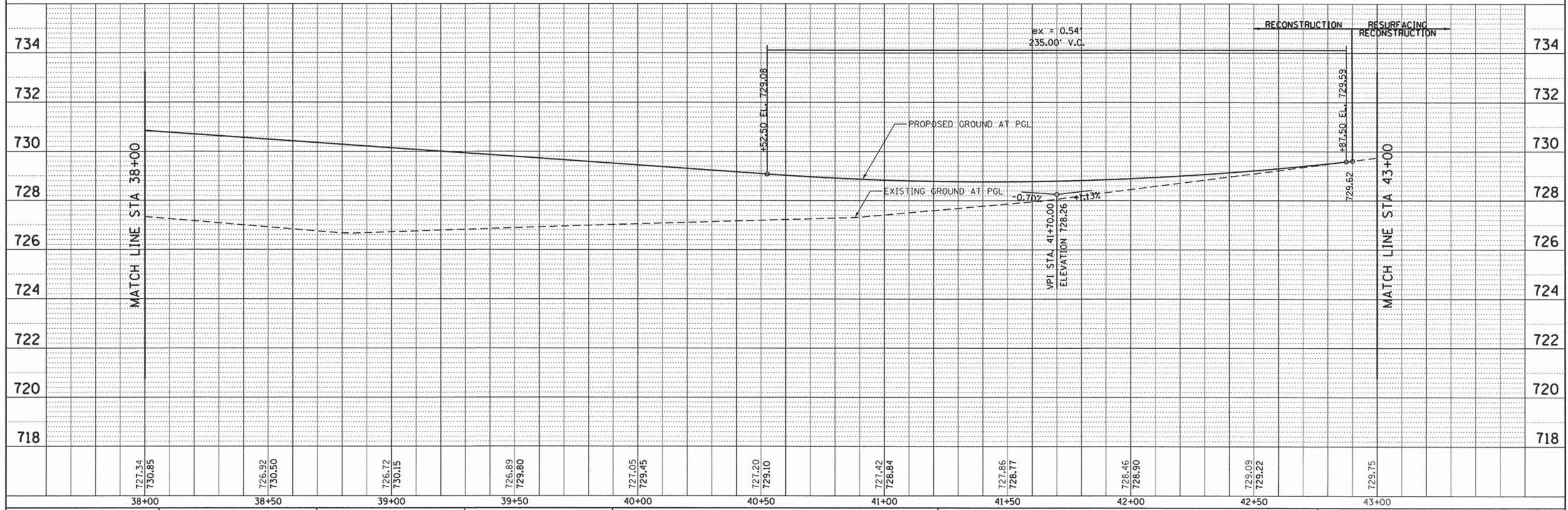
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	PLOTTED	BY
	CHECKED	
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	PLOTTED	BY
	CHECKED	
	REVISIONS	
	NO. OF WAY CHECKED	
	CADD FILE NAME	
	NO.	



NOTES
1. SEE BIKE PATH PLAN AND PROFILE FOR DETAILS.

LEGEND
PAVEMENT RESURFACING



727.34 730.85	726.92 730.50	726.72 730.15	726.89 729.80	727.05 729.45	727.20 729.10	727.42 728.84	727.86 728.77	728.46 728.90	729.09 729.22	729.75
38+00	38+50	39+00	39+50	40+00	40+50	41+00	41+50	42+00	42+50	43+00

**BURNS
McDONNELL**

USER NAME = mxbutler
DESIGNED - JIR
DRAWN - JIR
CHECKED - RMG
DATE - 02/01/2016

REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

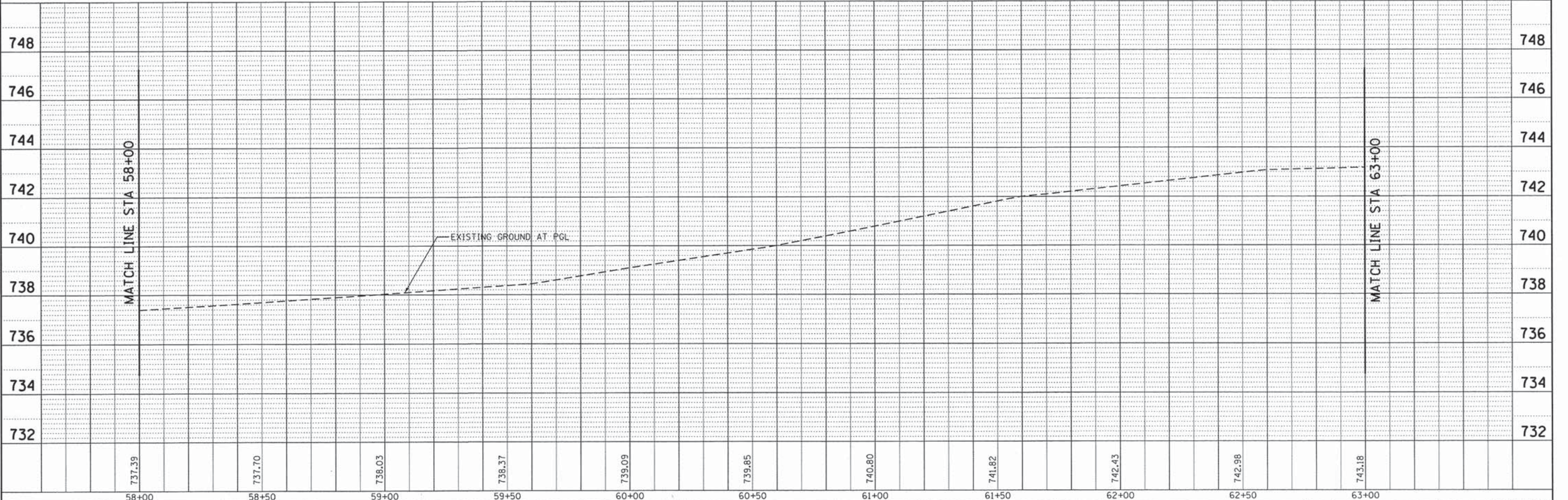
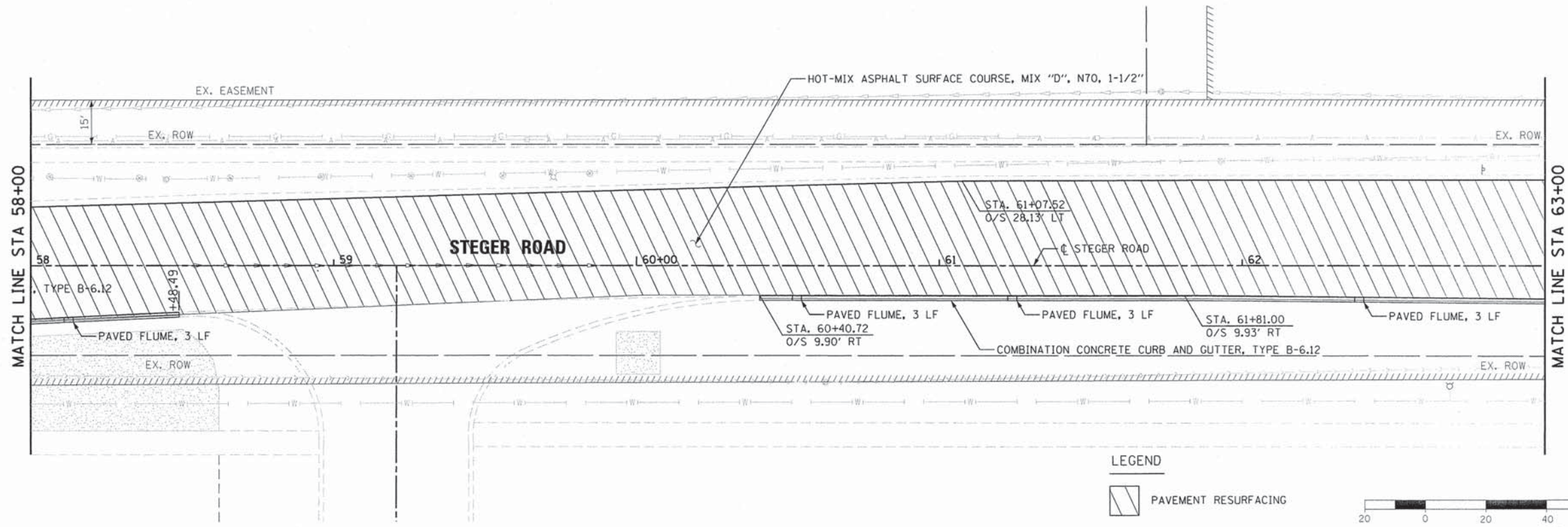
STEGER ROAD
PLAN AND PROFILE
SCALE: 1" = 20'
SHEET 8 OF 14 SHEETS
STA. 38+00.00 TO STA. 43+00.00

F.A. RTE. 1634	SECTION 11-00047-00-FP	COUNTY WILL	TOTAL SHEETS 148	SHEET NO. 28
CONTRACT NO. 61C70				

80043-sht-plnpr-f88.dgn

PLAN	SURVEYED	DATE
	PLOTTED	BY
	NOTED	
	RT. OF WAY CHECKED	
	NO. FILE NAME	

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



737.39	737.70	738.03	738.37	739.09	739.85	740.80	741.82	742.43	742.98	743.18
58+00	58+50	59+00	59+50	60+00	60+50	61+00	61+50	62+00	62+50	63+00

BURNS & MCDONNELL

USER NAME = mxbutler	DESIGNED - JIR	REVISED -
PLLOT SCALE = 20.0000' / 1" =	DRAWN - JIR	REVISED -
PLLOT DATE = 2/1/2016	CHECKED - RMG	REVISED -
	DATE - 02/01/2016	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

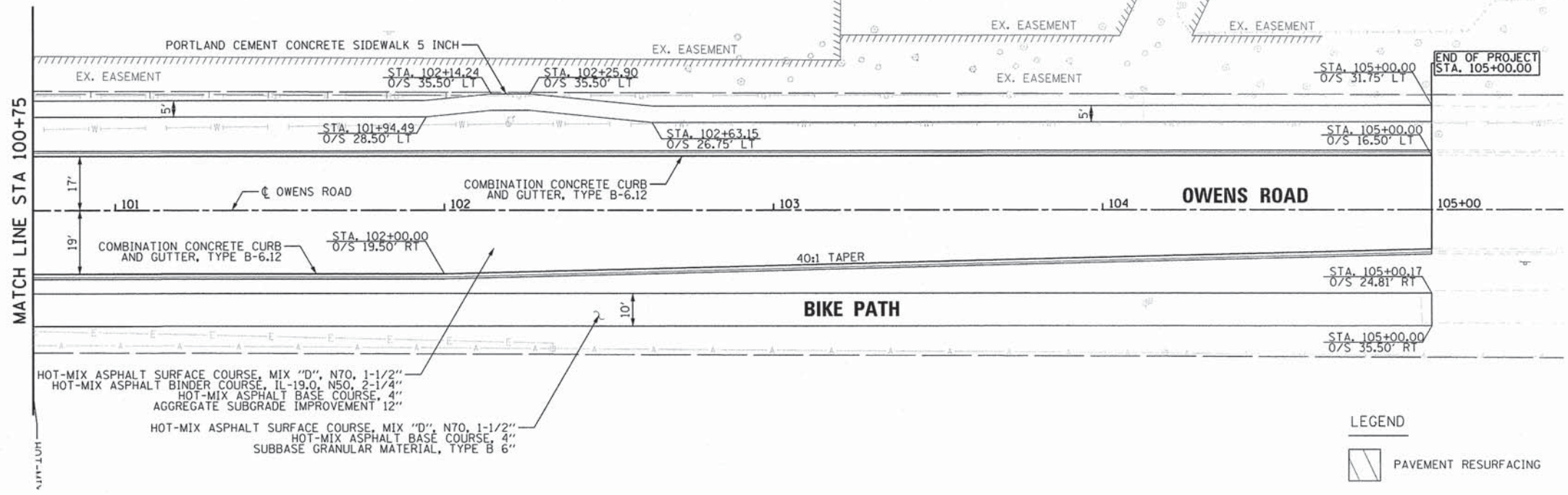
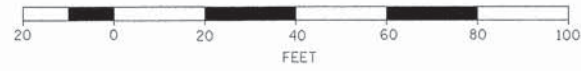
STEGER ROAD
PLAN AND PROFILE
SCALE: 1" = 20' SHEET 12 OF 14 SHEETS STA. 58+00.00 TO STA. 63+00.00

F.A. RTE. 1634	SECTION 11-00047-00-FP	COUNTY WILL	TOTAL SHEETS 148	SHEET NO. 32
CONTRACT NO. 61C70			ILLINOIS FED. AID PROJECT	

80043-sht-plnpr12.dgn

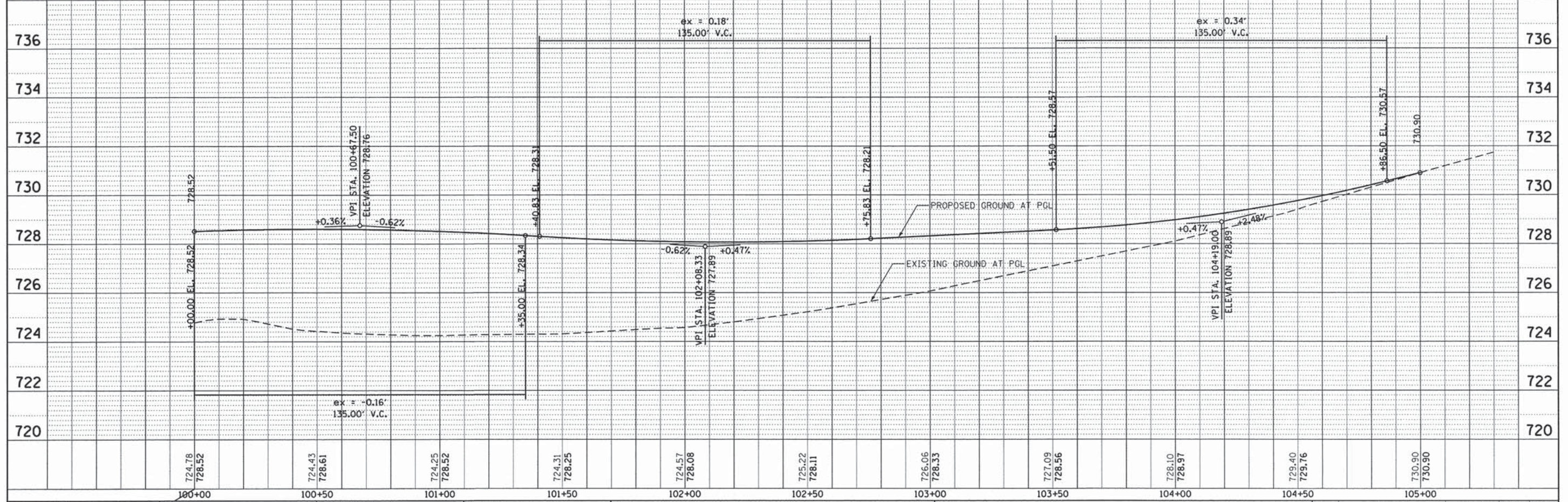
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	PLOTTED	BY
	DESIGNED	
	CHECKED	
	DATE	

PROFILE	SUBMITTED	DATE
	PLOTTED	BY
	DESIGNED	
	CHECKED	
	DATE	



LEGEND

[Symbol]	PAVEMENT RESURFACING
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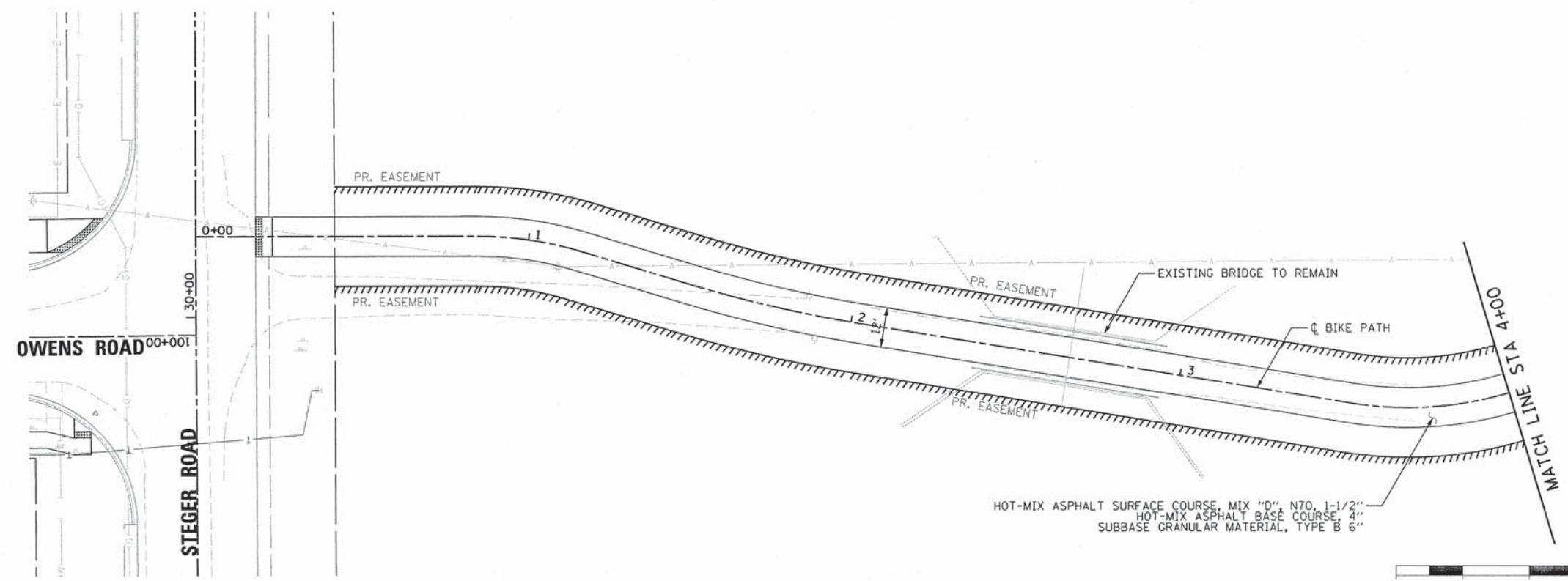


BURNS & MCDONNELL	USER NAME = mxbutler	DESIGNED = JIR	REVISED =	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	OWENS ROAD PLAN AND PROFILE				F.A. RTE. 1634	SECTION 11-00047-00-FP	COUNTY WILL	TOTAL SHEETS 148	SHEET NO. 34
	PLOT SCALE = 20.0000' / 1"	CHECKED = RMG	REVISED =		SCALE: 1" = 20'				SHEET 14 OF 14 SHEETS STA. 0+00.00 TO STA. 5+00.00				
	PLOT DATE = 2/1/2016	DATE = 02/01/2016	REVISED =		ILLINOIS FED. AID PROJECT				CONTRACT NO. 61C70				

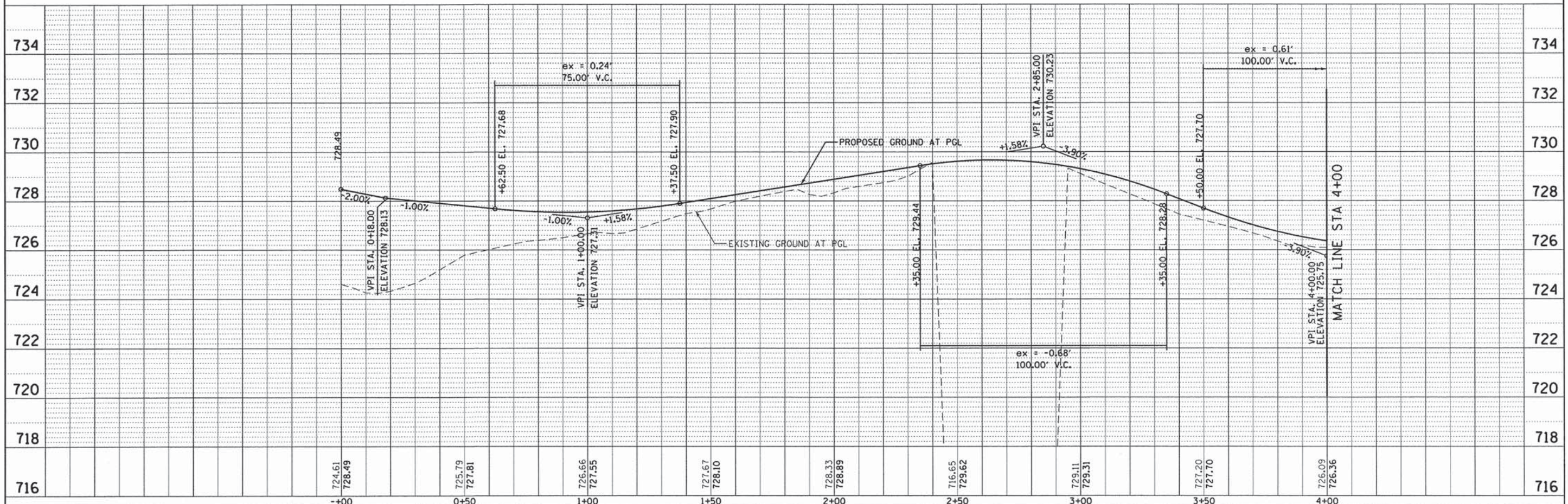
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PLAN	DATE
BY	
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NO. OF SHEETS CHECKED	
NO. OF SHEETS NOT CHECKED	
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NO. OF SHEETS NOT CHECKED	
NO. OF SHEETS NOT CHECKED	
NO. OF SHEETS NOT CHECKED	
NO. OF SHEETS NOT CHECKED	

PROFILE	DATE
BY	
NO. OF SHEETS	
NO. OF SHEETS CHECKED	
NO. OF SHEETS NOT CHECKED	
NO. OF SHEETS NOT CHECKED	
NO. OF SHEETS NOT CHECKED	
NO. OF SHEETS NOT CHECKED	
NO. OF SHEETS NOT CHECKED	
NO. OF SHEETS NOT CHECKED	



HOT-MIX ASPHALT SURFACE COURSE, MIX "D", NTO, 1-1/2"
HOT-MIX ASPHALT BASE COURSE, 4"
SUBBASE GRANULAR MATERIAL, TYPE B 6"



716	724.61 728.49	725.79 727.81	726.66 727.55	727.67 728.10	728.33 728.89	729.11 729.31	727.20 727.70	726.09 726.36	716
	0+00	0+50	1+00	1+50	2+00	2+50	3+00	3+50	4+00

**BURNS
MCDONNELL**

USER NAME = mxbutler	DESIGNED - JIR	REVISED -
PLOT SCALE = 28.0000' / in.	DRAWN - JIR	REVISED -
PLOT DATE = 2/1/2016	CHECKED - RMG	REVISED -
	DATE - 02/01/2016	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

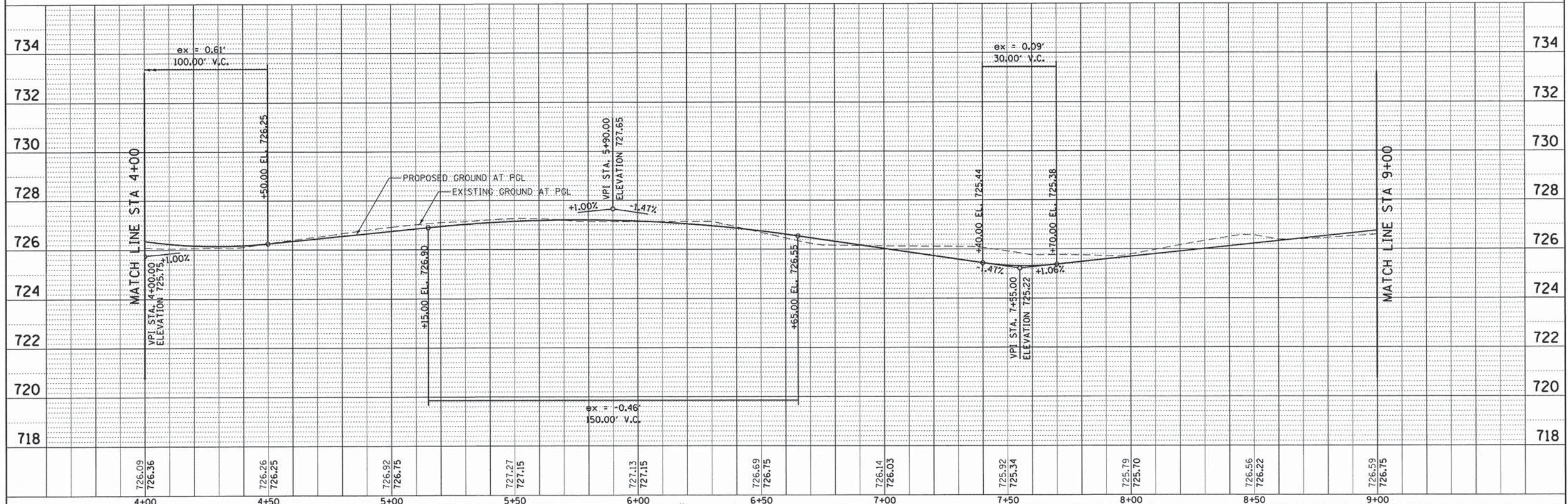
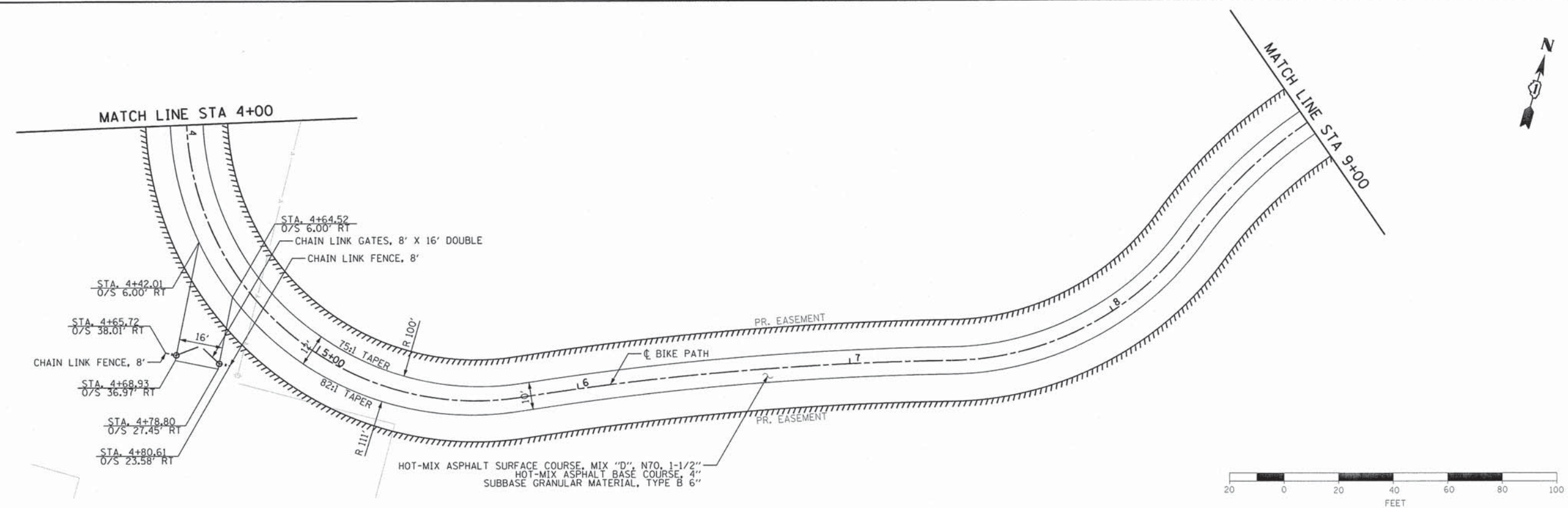
BIKE TRAIL
PLAN AND PROFILE
SCALE: 1" = 20' SHEET 1 OF 5 SHEETS STA. 0+00.00 TO STA. 4+00.00

F.A. RTE. 1634	SECTION 11-00047-00-FP	COUNTY WILL	TOTAL SHEETS 148	SHEET NO. 35
CONTRACT NO. 61C70				
ILLINOIS FED. AID PROJECT				

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PLAN	SURVEYED	DATE
	PLOTTED	BY
	NOTED	
	RT. OF WAY CHECKED	
	ADD. FILE NAME	
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PROFILE	SURVEYED	DATE
	PLOTTED	BY
	NOTED	
	RT. OF WAY CHECKED	
	STRUCTURE NOTATION CHKO	
	NO.	



726.09 726.36	726.26 726.25	726.92 726.75	727.27 727.15	727.13 727.15	726.69 726.75	726.14 726.03	725.92 725.34	725.79 725.70	726.56 726.22	726.59 726.75
4+00	4+50	5+00	5+50	6+00	6+50	7+00	7+50	8+00	8+50	9+00



USER NAME = mxbutler	DESIGNED - JIR	REVISED -
PLOT SCALE = 20.0000' / in.	DRAWN - JIR	REVISED -
PLOT DATE = 2/1/2016	CHECKED - RMG	REVISED -
	DATE - 02/01/2016	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**BIKE TRAIL
PLAN AND PROFILE**

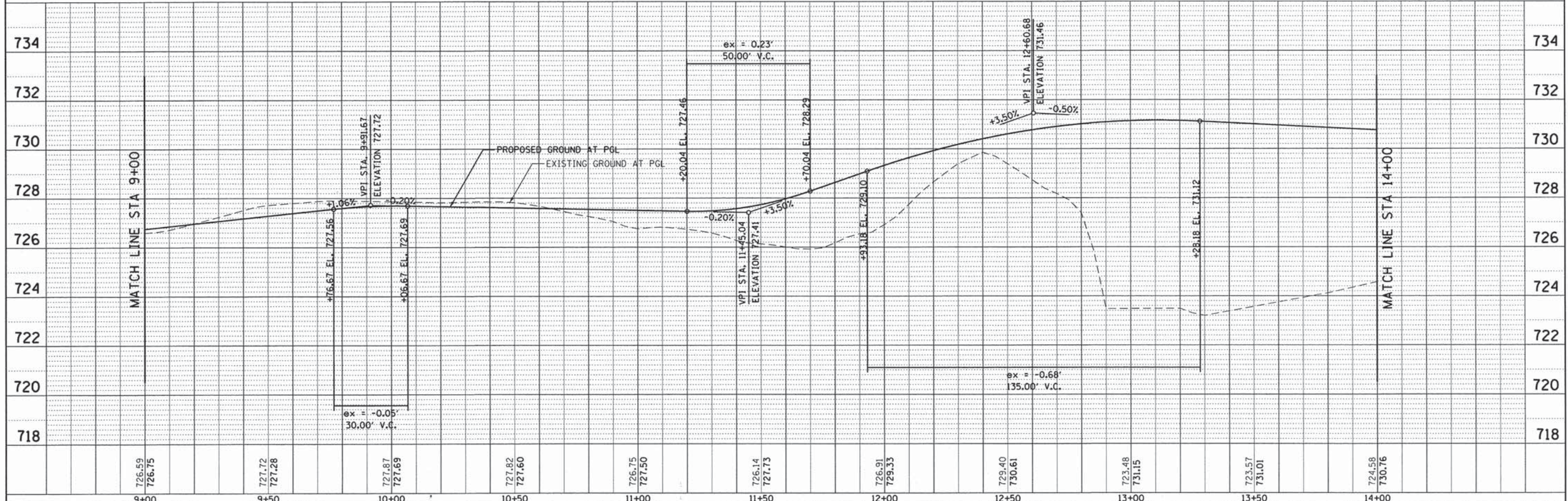
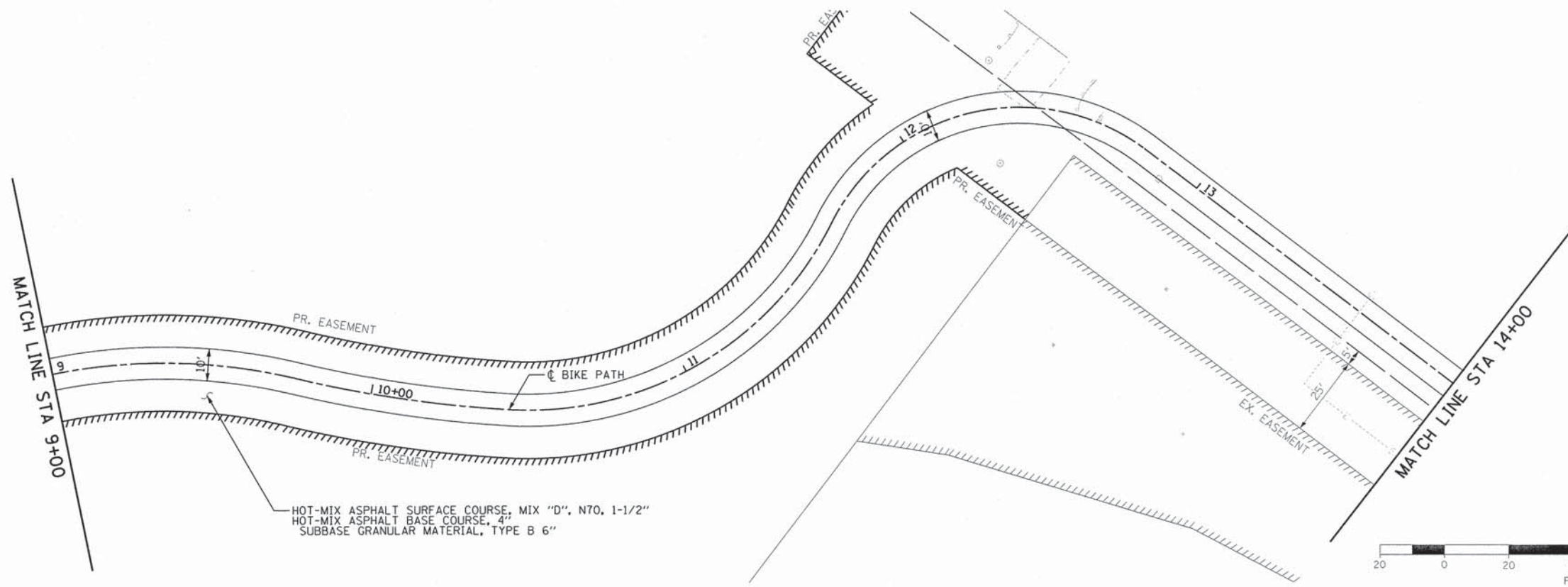
SCALE: 1" = 20' SHEET 2 OF 5 SHEETS STA. 4+00.00 TO STA. 9+00.00

F.A. RTE. 1634	SECTION 11-00047-00-FP	COUNTY WILL	TOTAL SHEETS 148	SHEET NO. 36
CONTRACT NO. 61C70			ILLINOIS FED. AID PROJECT	

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PLAN	SURVEYED	DATE
	PLOTTED	BY
	CHECKED	
	NO. OF WAY CHECKED	
	NO.	FILE NAME

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



726.59 726.75	727.72 727.28	727.87 727.69	727.82 727.60	726.75 727.50	726.14 727.73	726.91 729.33	729.40 730.61	723.48 731.15	723.57 731.01	724.58 730.76	734	732	730	728	726	724	722	720	718		
9+00		9+50		10+00		10+50		11+00		11+50		12+00		12+50		13+00		13+50		14+00	



USER NAME = mxbutler	DESIGNED -	REVISED -
PLLOT SCALE = 20.0000' / in.	DRAWN -	REVISED -
PLLOT DATE = 2/1/2016	CHECKED -	REVISED -
	DATE - 02/01/2016	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BIKE TRAIL PLAN AND PROFILE		
SCALE: 1" = 20'	SHEET 3 OF 5 SHEETS	STA. 9+00.00 TO STA. 14+00.00

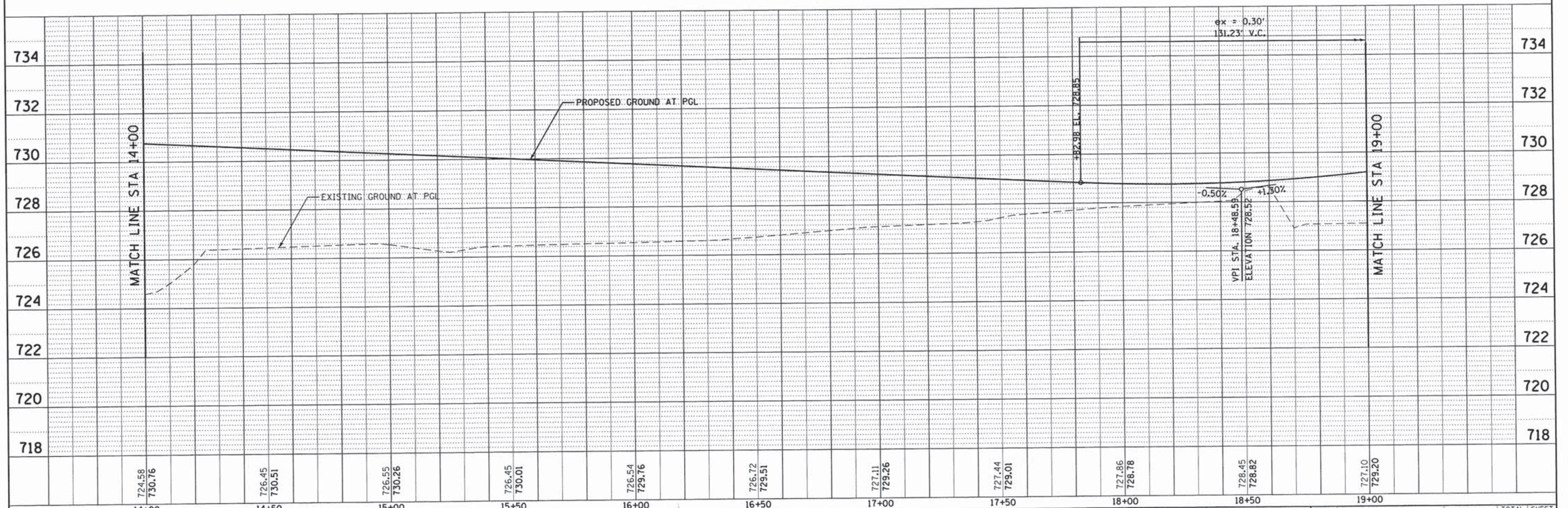
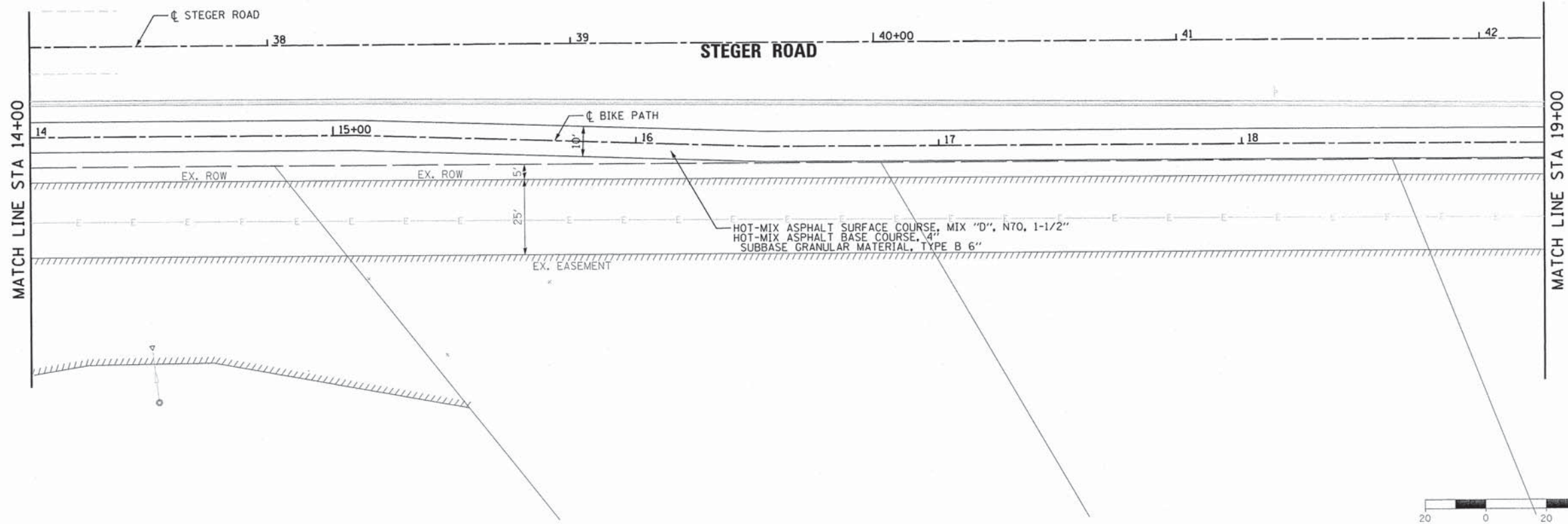
F.A. RTE. 1634	SECTION 11-00047-00-FP	COUNTY WILL	TOTAL SHEETS 148	SHEET NO. 37
CONTRACT NO. 61C70				
ILLINOIS FED. AID PROJECT				

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JJR
JIR

PLAN	SURVEYED	DATE
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	CHECKED	
	NO. OF MAY CHECKED	
	CADD FILE NAME	
	NO.	

PROFILE	DESIGNED	DATE
	PLOTTED	BY
	CHECKED	
	NO. OF MAY CHECKED	
	STRUCTURE NOTATIONS OK'D	
	NO.	



724.58 730.76	726.45 730.51	726.55 730.26	726.45 730.01	726.54 729.76	726.72 729.51	727.11 729.26	727.44 729.01	727.86 728.78	728.45 728.82	727.10 729.20
14+00	14+50	15+00	15+50	16+00	16+50	17+00	17+50	18+00	18+50	19+00



USER NAME = mbutler	DESIGNED -	REVISED -	JIR
	DRAWN -	REVISED -	JIR
PLOT SCALE = 20.0000' / in.	CHECKED -	REVISED -	RMG
PLOT DATE = 2/1/2016	DATE - 02/01/2016	REVISED -	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

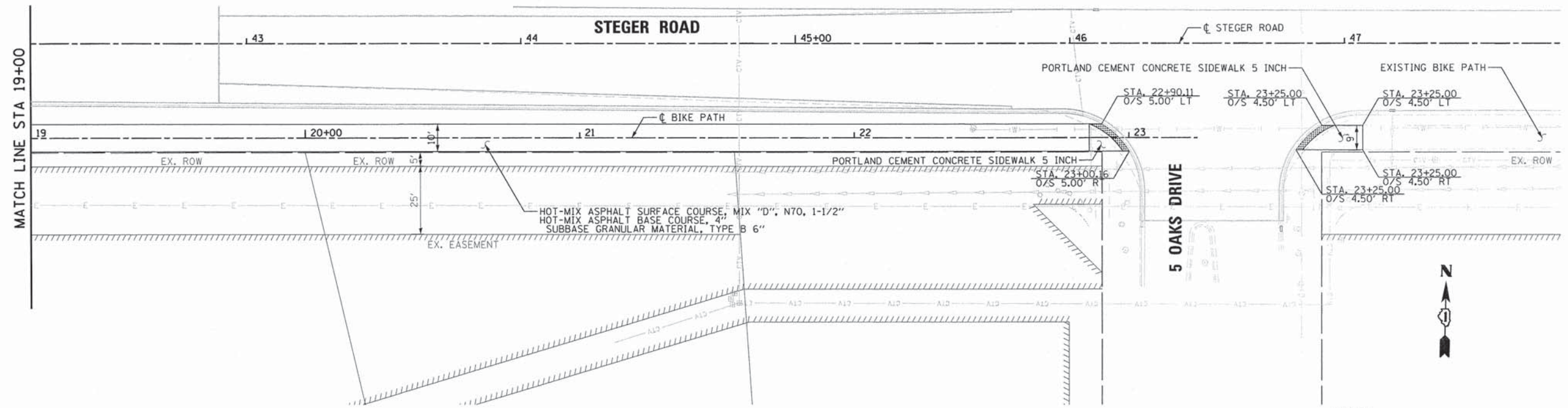
**BIKE TRAIL
PLAN AND PROFILE**

SCALE: 1" = 20' SHEET 4 OF 5 SHEETS STA. 14+00.00 TO STA. 19+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1634	11-00047-00-FP	WILL	148	38
CONTRACT NO. 61C70				
ILLINOIS FED. AID PROJECT				

80043-sht-plnprf18.dgn

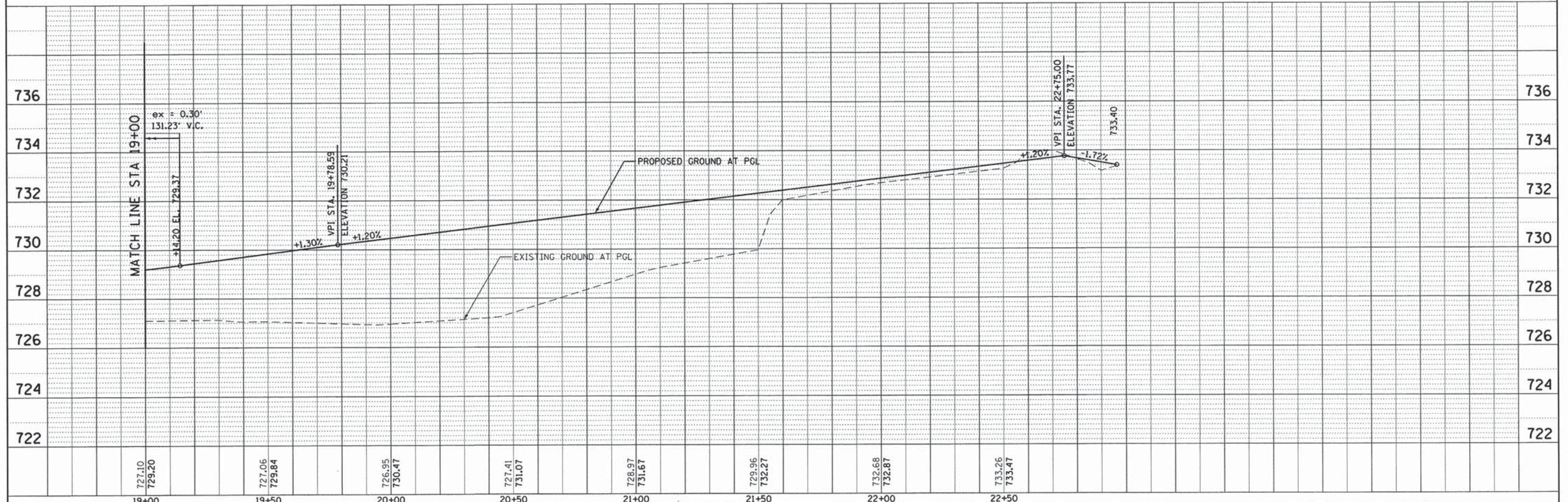
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	PLOTTED	
	CHECKED	
	BY	
	NO.	
	FILE NAME	



NOTES
1. SEE STEGER PLAN AND PROFILE FOR STEGER ROAD PLANS.

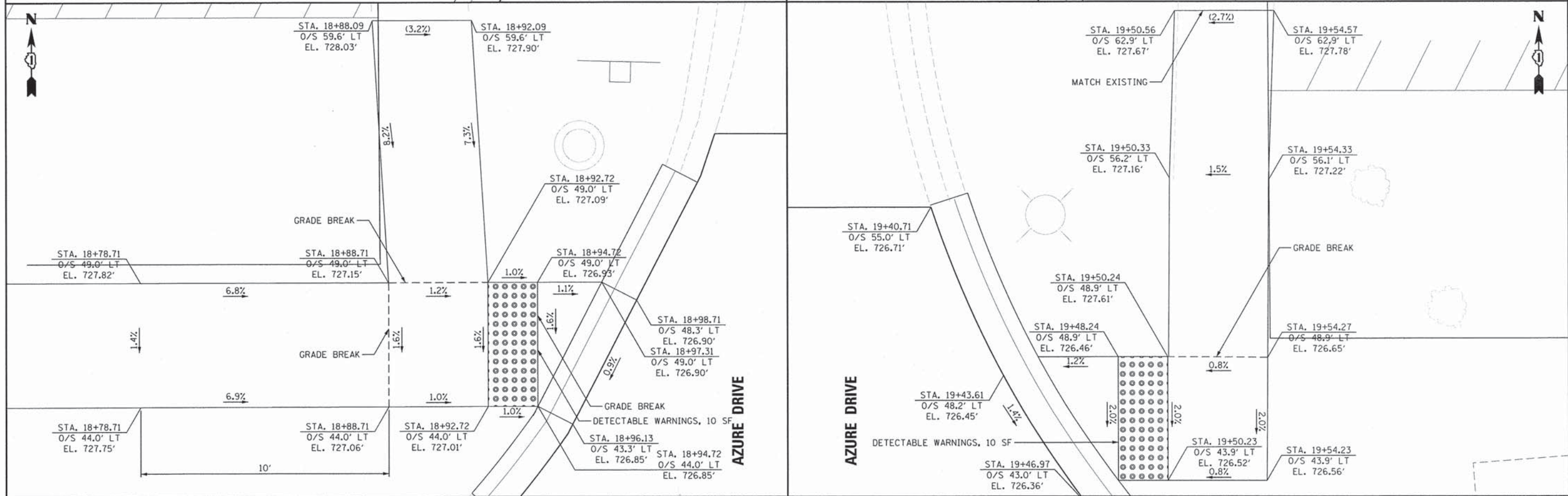
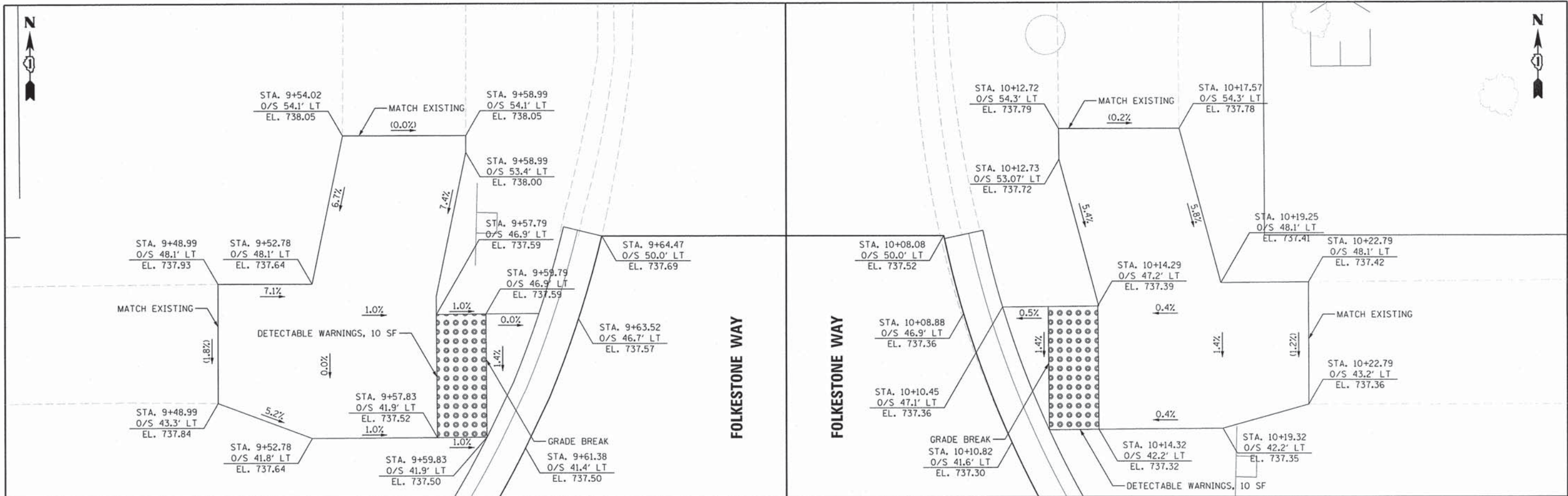


PROFILE	SURVEYED	DATE
	PLOTTED	
	CHECKED	
	BY	
	NO.	
	FILE NAME	



BURNS MCDONNELL	USER NAME = mbutler	DESIGNED - JIR	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	BIKE TRAIL PLAN AND PROFILE	F.A. RTE. 1634	SECTION 11-00047-00-FP	COUNTY WILL	TOTAL SHEETS 148	SHEET NO. 39
	PLOT SCALE = 20.0000' / 1" =	CHECKED - RMG	REVISED -			CONTRACT NO. 61C70				
	PLOT DATE = 2/1/2016	DATE - 02/01/2016	REVISED -			ILLINOIS FED. AID PROJECT				
						SCALE: 1" = 20'	SHEET 5 OF 5 SHEETS	STA. 19+00.00 TO STA. 22+17.56		

80843-shr-plnprf19.dgn



**BURNS
MCDONNELL**

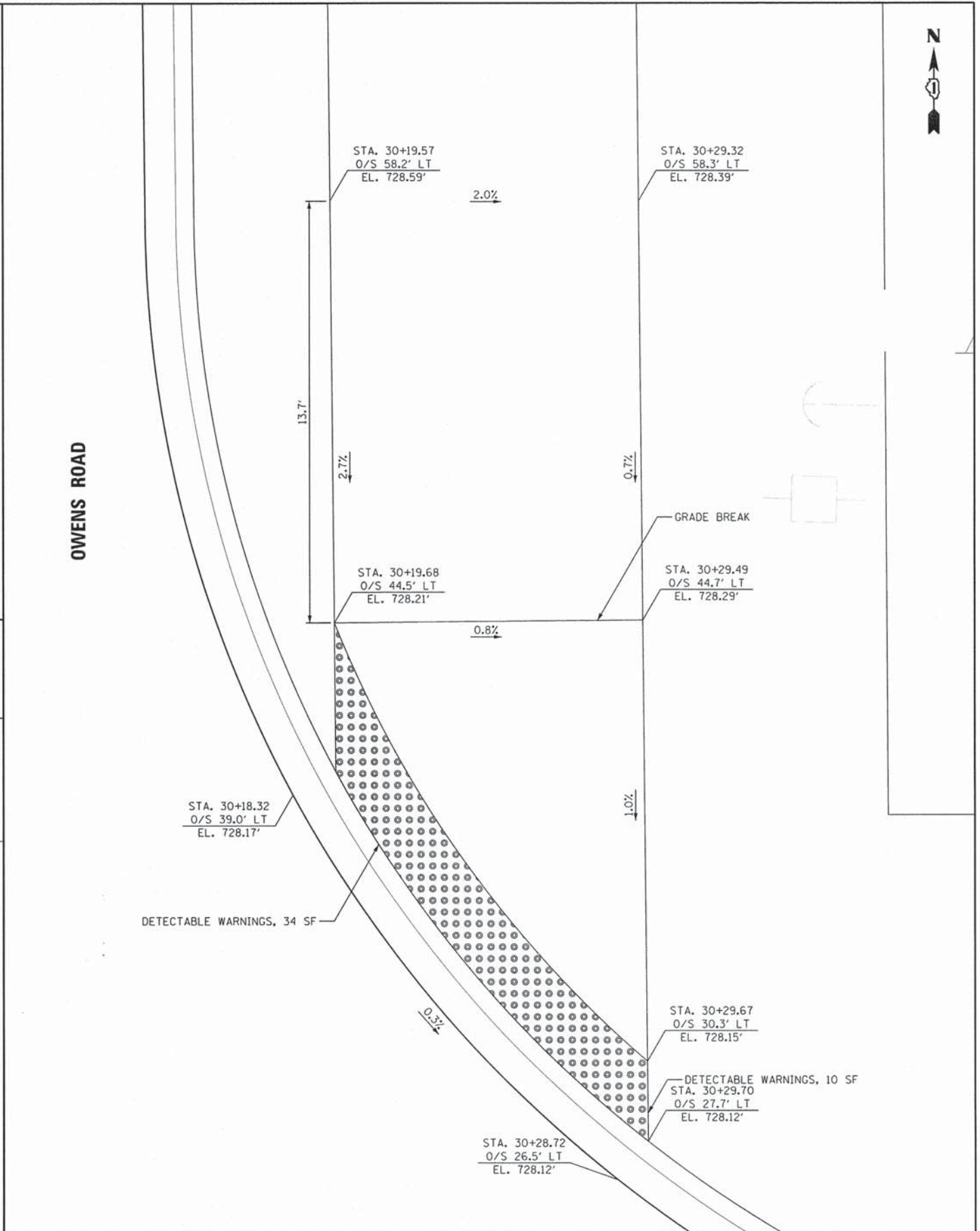
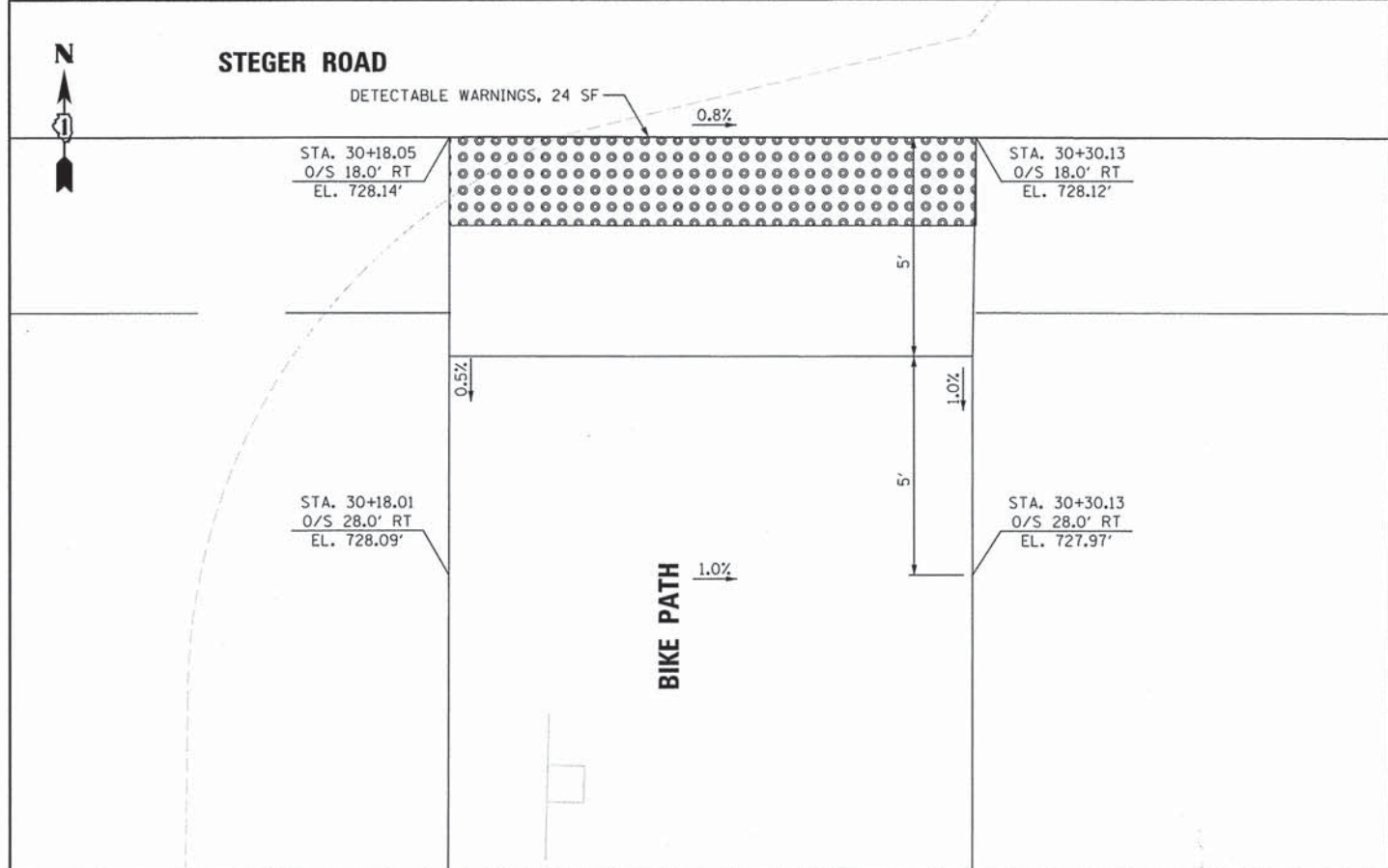
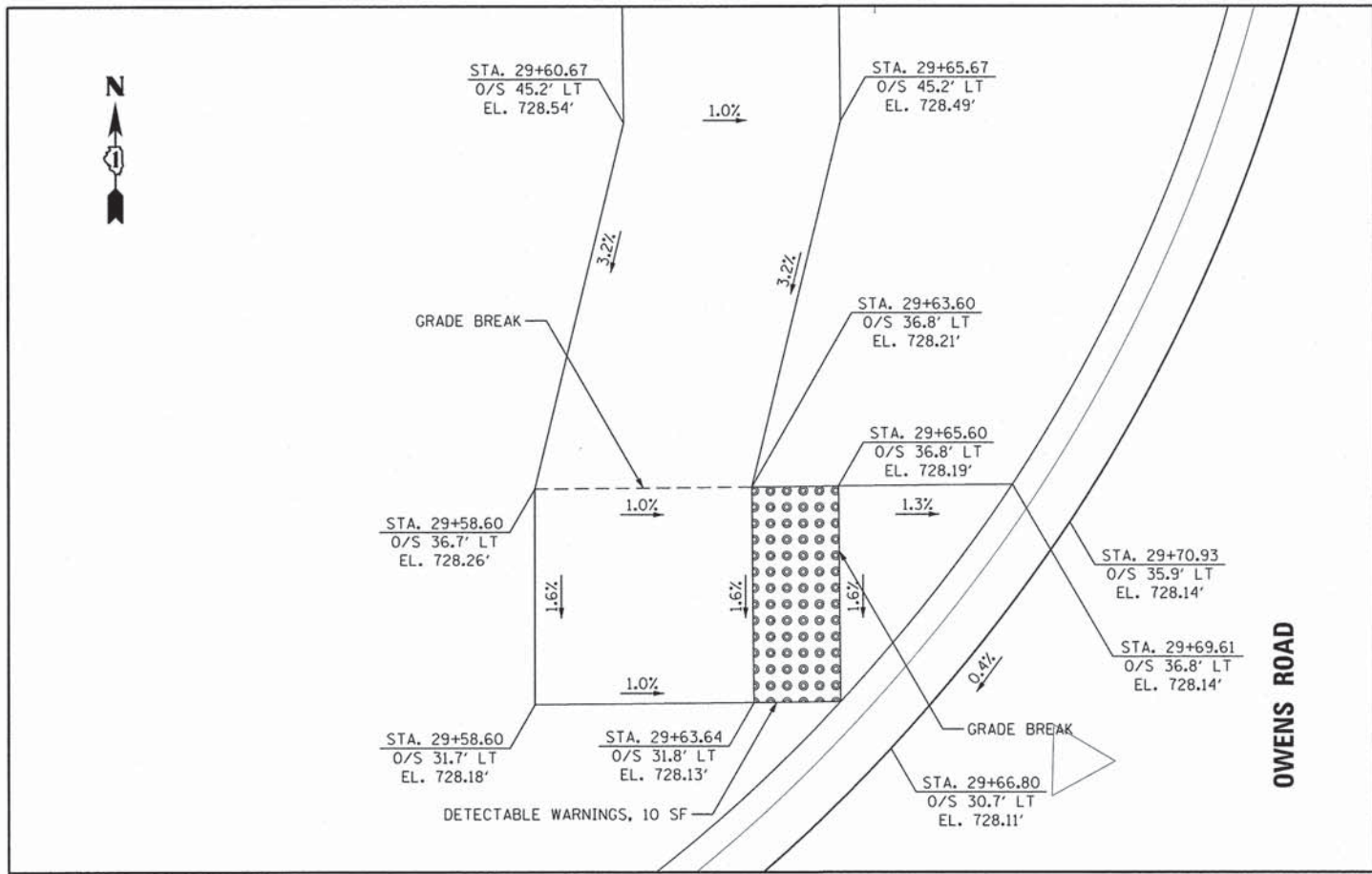
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DRAWN - XXX	REVISIONS -	
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PLOT DATE = 2/1/2016	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CURB RAMP DETAILS

SCALE: 1"=2' SHEET 1 OF 5 SHEETS STA. TO STA.

F.A. RTE. 1634	SECTION 11-00047-00-FP	COUNTY WILL	TOTAL SHEETS 148	SHEET NO. 40
CONTRACT NO. 61C70				
ILLINOIS FED. AID PROJECT				



**BURNS
MCDONNELL**

USER NAME = mxbutler	DESIGNED - MJB	REVISED -
PLOT SCALE = 2.0000' / in.	DRAWN - MJB	REVISED -
PLOT DATE = 2/1/2016	CHECKED - RMG	REVISED -
	DATE -	REVISED -

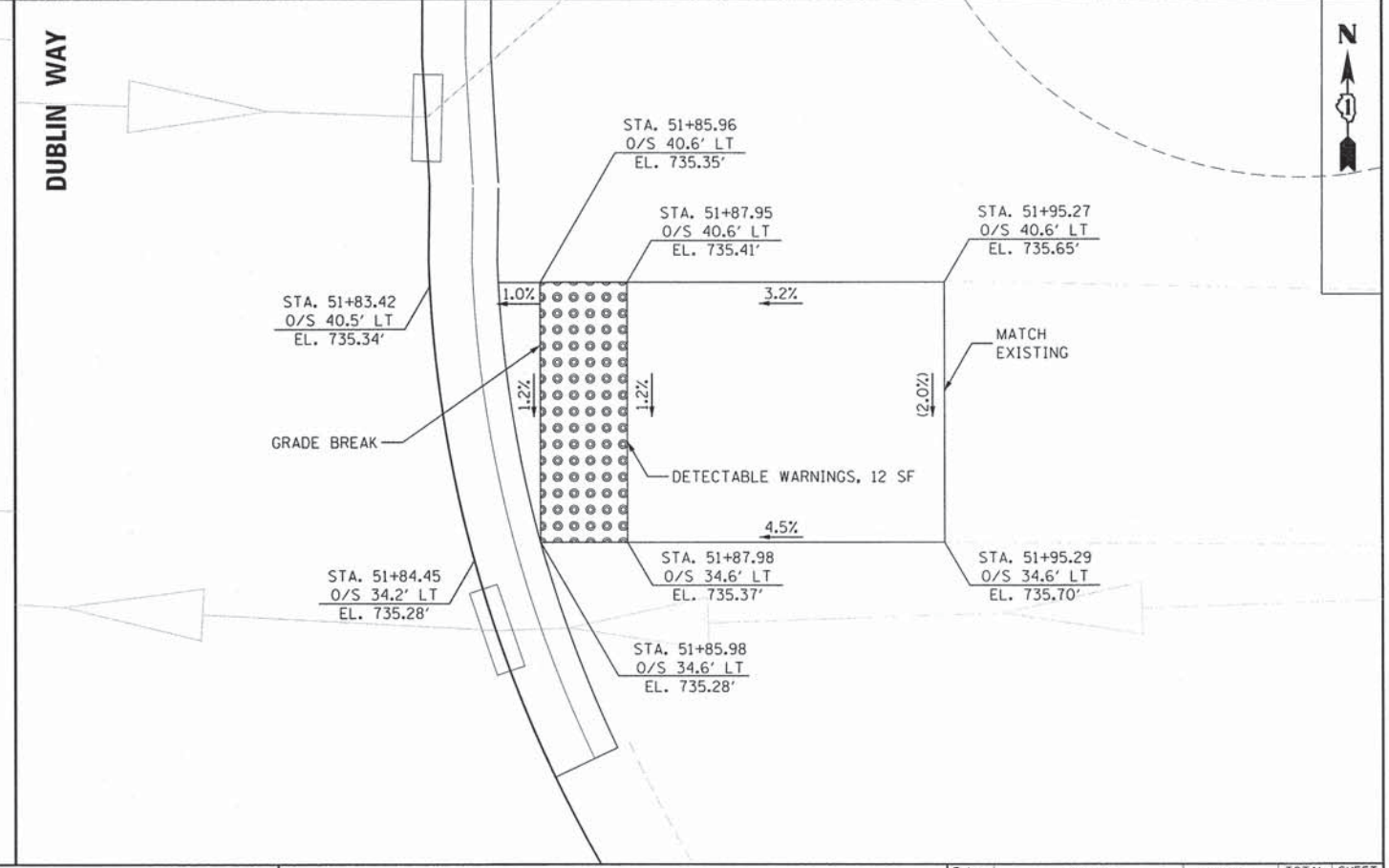
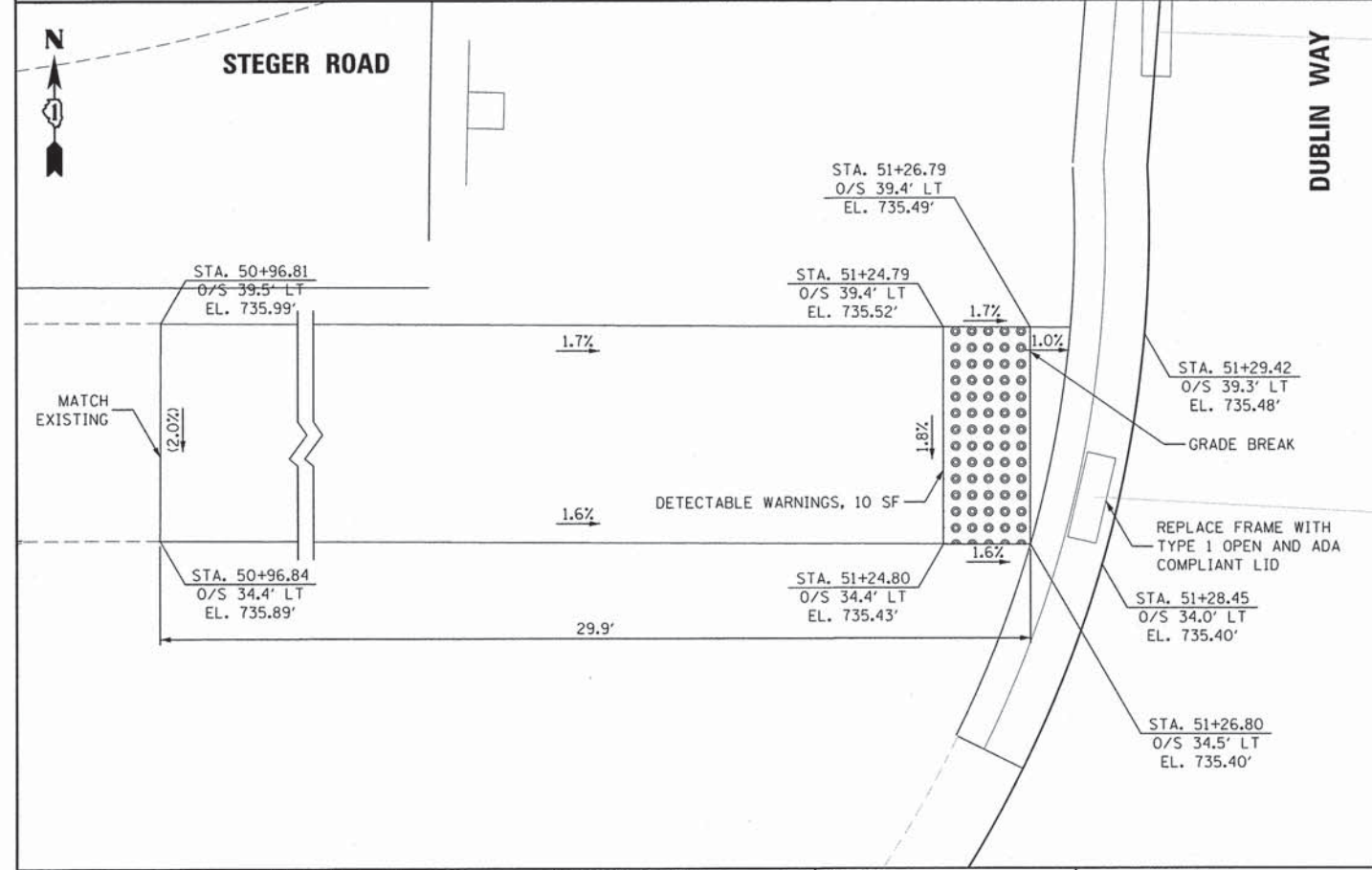
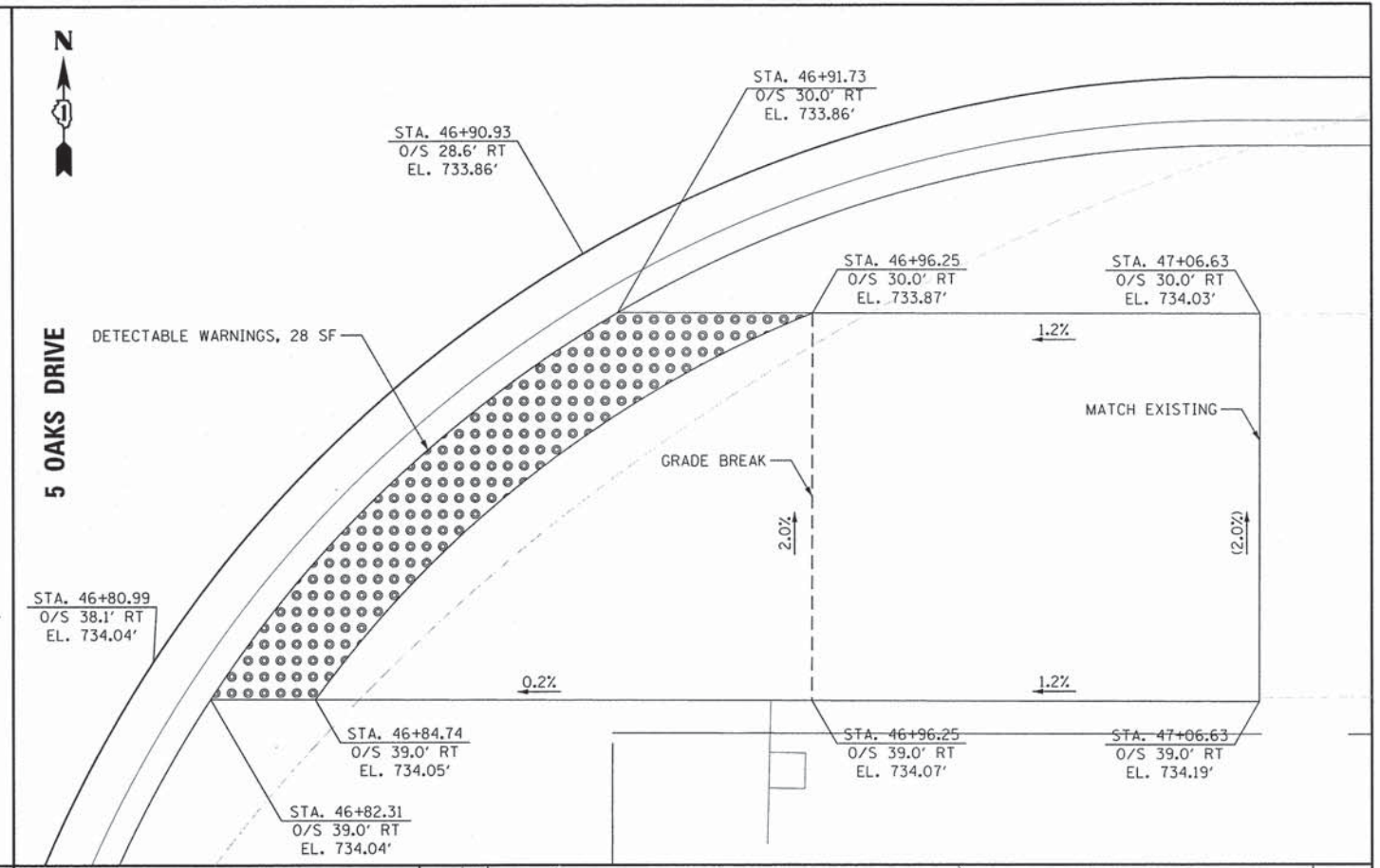
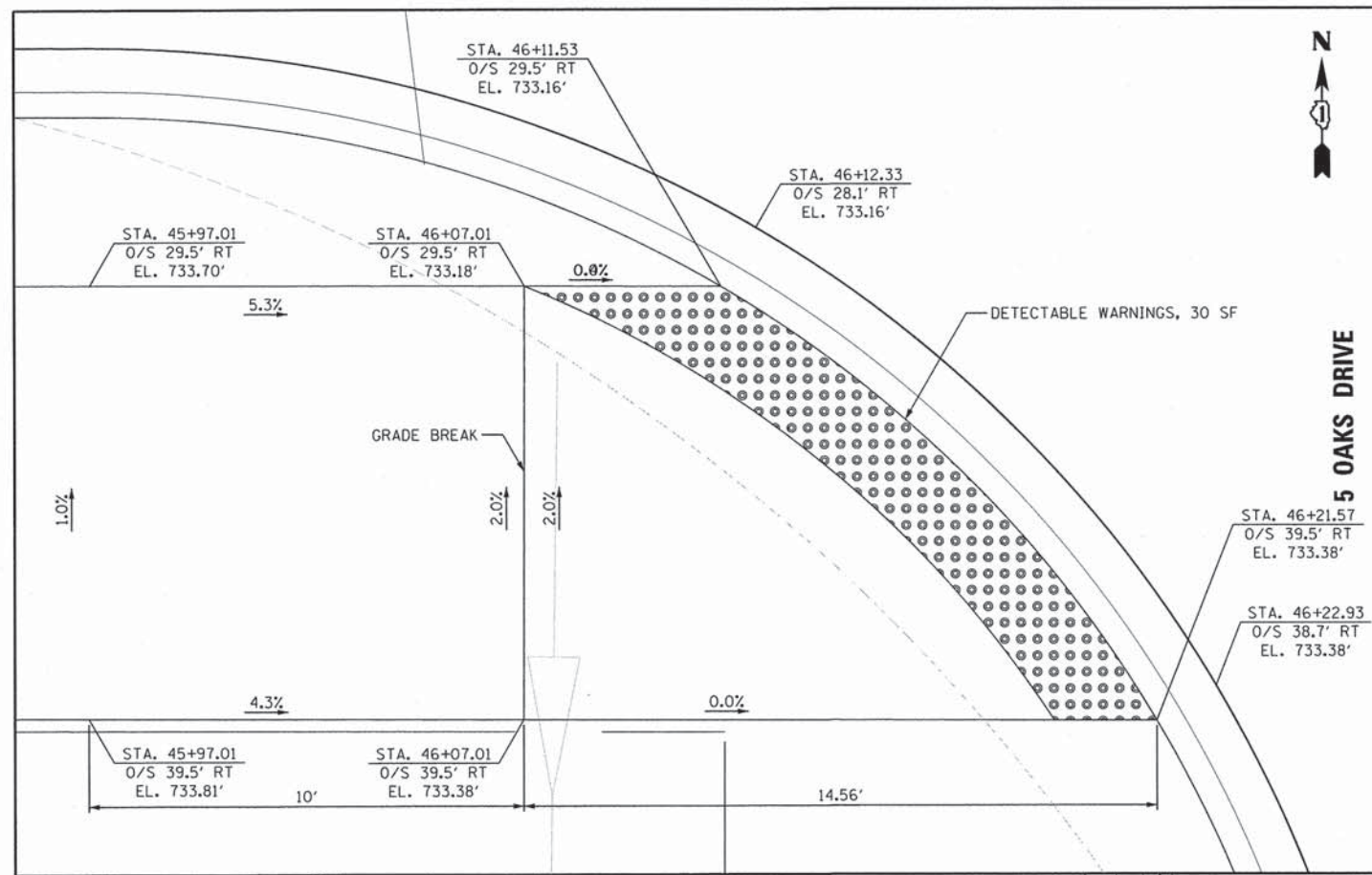
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CURB RAMP DETAILS

SCALE: 1"=2' SHEET 2 OF 5 SHEETS STA. TO STA.

F.A. RTE. 1634	SECTION 11-00047-00-FP	COUNTY WILL	TOTAL SHEETS 148	SHEET NO. 41
CONTRACT NO. 61C70				
ILLINOIS FED. AID PROJECT				

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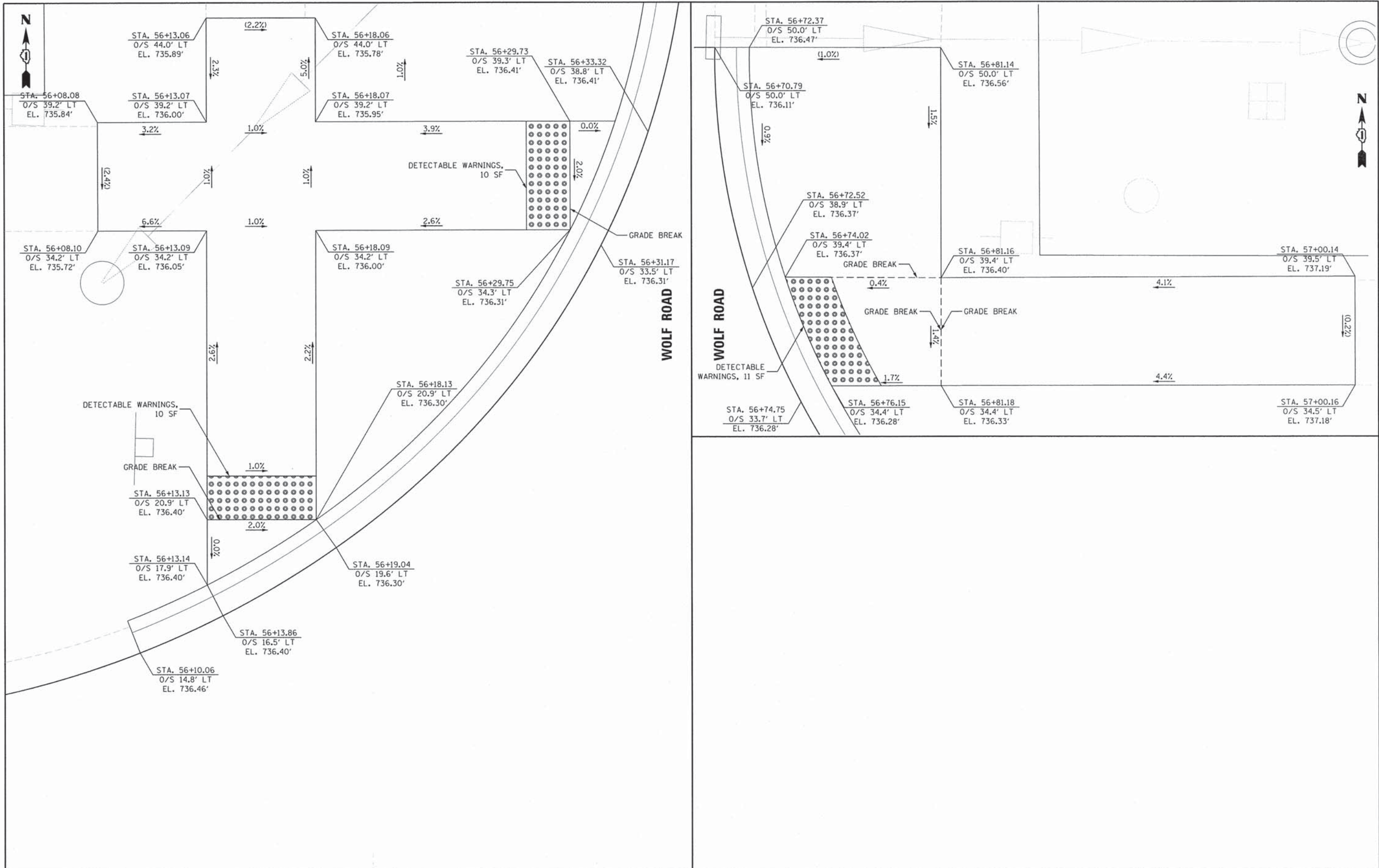
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PLOT DATE = 2/1/2016	CHECKED - RMG	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CURB RAMP DETAILS
SCALE: 1"=2' SHEET 3 OF 5 SHEETS STA. TO STA.

F.A. RTE. 1634	SECTION 11-00047-00-FP	COUNTY WILL	TOTAL SHEETS 148	SHEET NO. 42
CONTRACT NO. 61C70				
ILLINOIS FED. AID PROJECT				

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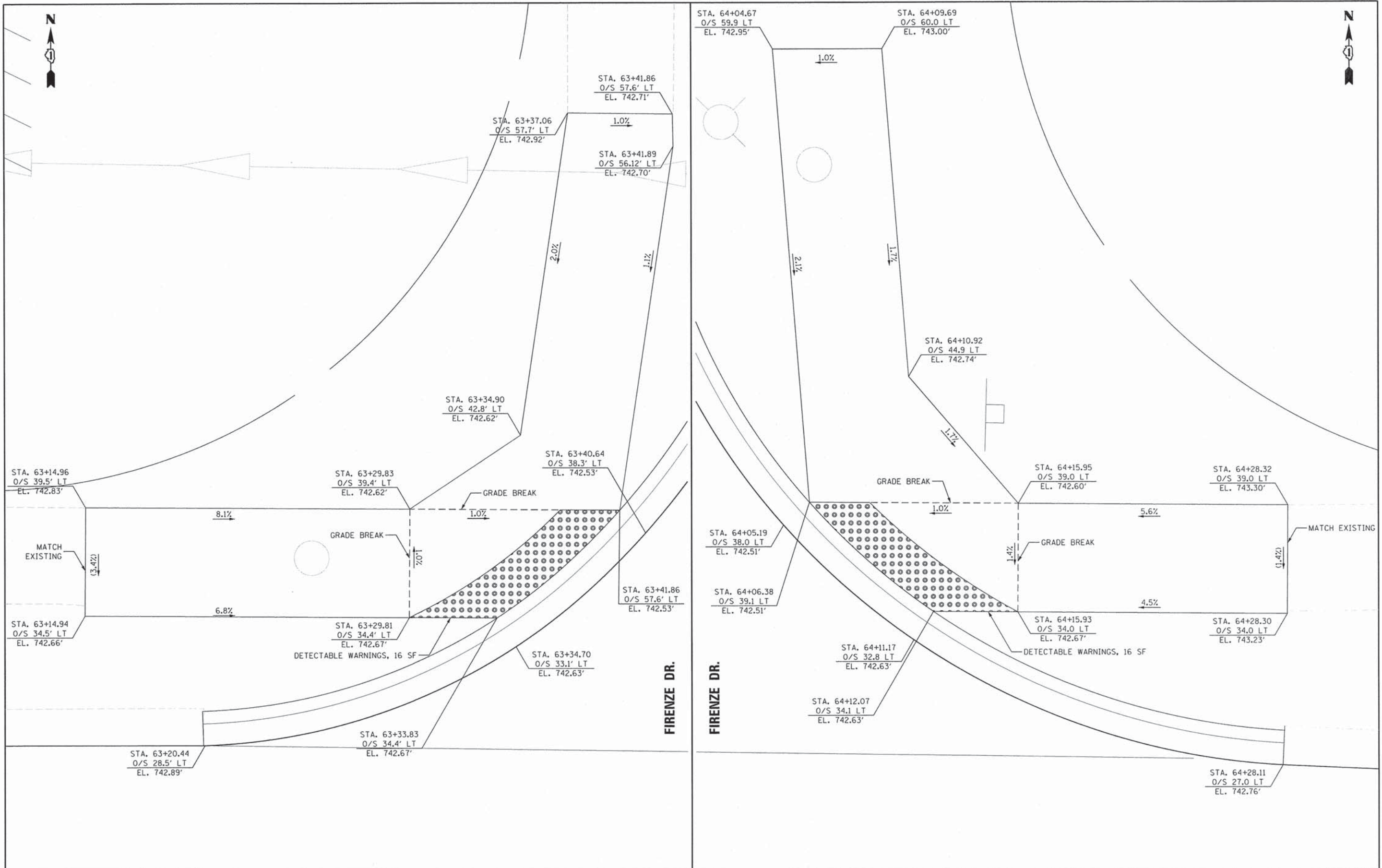
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PLOT DATE = 2/1/2016	CHECKED - RMG	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CURB RAMP DETAILS
SCALE: 1"=2' SHEET 4 OF 5 SHEETS STA. TO STA.

F.A. RTE. 1634	SECTION 11-00047-00-FP	COUNTY WILL	TOTAL SHEETS 148	SHEET NO. 43
CONTRACT NO. 61C70				
ILLINOIS FED. AID PROJECT				

88843-shr-det04.dgn



USER NAME = mxbutler	DESIGNED -	REVISED -
PLOT SCALE = 2.0000' / in.	DRAWN -	REVISED -
PLOT DATE = 2/1/2016	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CURB RAMP DETAILS

SCALE: 1"=2' SHEET 5 OF 5 SHEETS STA. TO STA.

F.A. RTE. 1634	SECTION 11-00047-00-FP	COUNTY WILL	TOTAL SHEETS 148	SHEET NO. 44
CONTRACT NO. 61C70				
ILLINOIS FED. AID PROJECT				

88843-sh1-det05.dgn

LEGEND

- (A) TEMPORARY PAVEMENT MARKING, 4" SOLID LINE (YELLOW)
- (B) DRUM WITH STEADY BURNING LIGHT AT 50' SPACING (25' IN TAPERS AND CURVES)

PRE-STAGE

- TRAFFIC CONFIGURATION
 - SHOULDER CLOSURE ON SCHEER RD. AND STEGER RD. INTERSECTION
- WORK PERFORMED
 - INSTALL EAST PORTION OF TEMPORARY PAVEMENT AT SCHEER INTERSECTION
- TRAFFIC RESTRICTIONS
 - SCHEER RD AND STEGER RD SHOULDER CLOSURE

STAGE 1A & STAGE 1B

- TRAFFIC CONFIGURATION
 - CLOSE STEGER AND ESTABLISH DETOUR FROM SCHEER RD. TO WOLF RD USING LARAWAY RD.
 - SHIFT SCHEER TRAFFIC TO THE EAST ONTO TEMP PAVEMENT
- WORK PERFORMED
 - INSTALL WEST PORTION OF TEMPORARY PAVEMENT AT SCHEER RD INTERSECTION
 - INSTALL WEST PORTION OF SCHEER INTERSECTION
 - CONSTRUCT BOX CULVERT
 - CONSTRUCT PAVEMENT FROM SCHEER TO 5 OAKS DRIVE
 - CONSTRUCT PAVEMENT AND DRAINAGE ALONG OWENS RD.
 - CONSTRUCT BIKE PATH ALONG OWENS TO 5 OAKS DRIVE
 - MILL AND RESURFACE PAVEMENT FROM FOLKSTONE WAY TO AZURE DR.
- TRAFFIC RESTRICTIONS
 - WEST INTERSECTION CLOSURE AT SCHEER RD AND STEGER RD
 - DETOUR ROUTE IMPLEMENTED FOR ROAD CLOSURE.
 - ALLOW WB ACCESS TO LOCAL TRAFFIC ONLY TO 5 OAKS DR., DUBLIN WAY, AND WOLF RD.

STAGE 2A

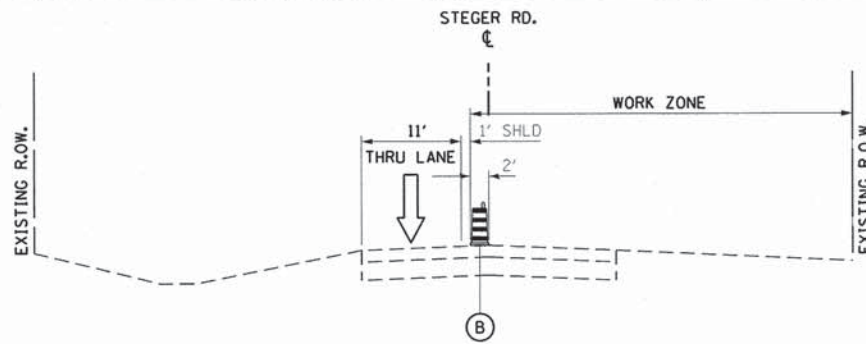
- TRAFFIC CONFIGURATION
 - SHIFT TRAFFIC TO THE SOUTH SIDE OF STEGER ON EXISTING PAVEMENT BETWEEN 5 OAKS DRIVE AND US 45
 - USE APPLICABLE STATE STANDARDS FOR INTERSECTION TRAFFIC CONTROL AND TAPER RATES
- WORK PERFORMED
 - PAVEMENT MILLING AND RESURFACING ON WESTBOUND LANE
 - INSTALL REMAINING SHOULDERS ON SCHEER
- TRAFFIC RESTRICTIONS
 - SHOULDER CLOSURE AT SCHEER RD AND STEGER RD INTERSECTION

STAGE 2B

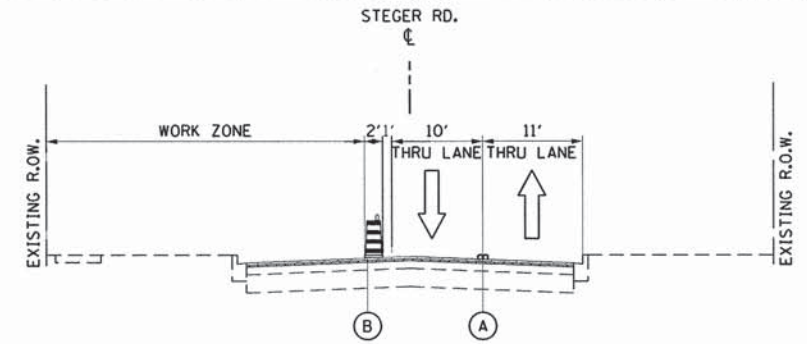
- TRAFFIC CONFIGURATION
 - SHIFT TRAFFIC TO NORTH AND SOUTH SIDES OF STEGER ON THE PROPOSED AND EXISTING PAVEMENT.
 - USE APPLICABLE STATE STANDARDS FOR INTERSECTION TRAFFIC CONTROL AND TAPER RATES
- WORK PERFORMED
 - MILLING AND RESURFACING OF MEDIAN LANE AND TURN LANES
- TRAFFIC RESTRICTIONS
 - NONE

STAGE 2C

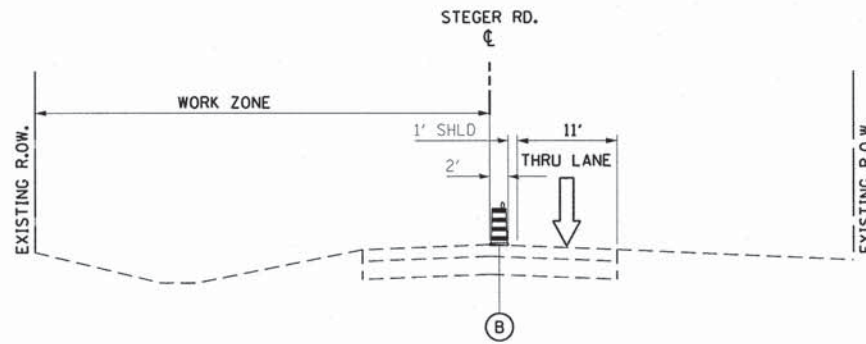
- TRAFFIC CONFIGURATION
 - SHIFT TRAFFIC ONTO THE PROPOSED NORTH AND CENTER LANES OF STEGER RD. WORK ZONE TO BE ESTABLISHED IN THE SOUTH LANE.
 - USE APPLICABLE STATE STANDARDS FOR INTERSECTION TRAFFIC CONTROL AND TAPER RATES
- WORK PERFORMED
 - MILLING AND RESURFACING OF SOUTH LANE.
 - INSTALL DRAINAGE STRUCTURES ALONG STEGER RD.
 - INSTALL CURB AND GUTTER.
- TRAFFIC RESTRICTIONS
 - NONE



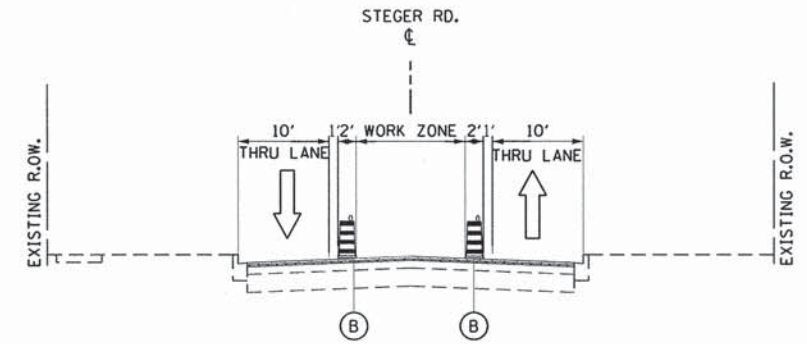
SECTION A-A STAGE 1B



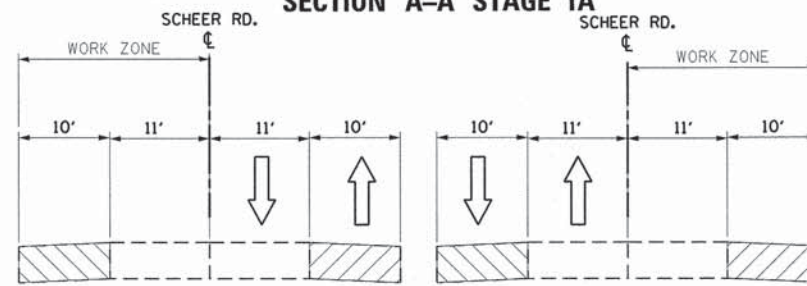
SECTION B-B STAGE 2A



SECTION A-A STAGE 1A

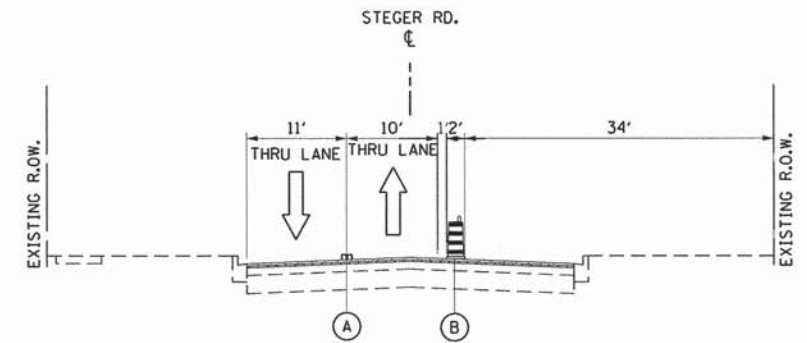


SECTION B-B STAGE 2B

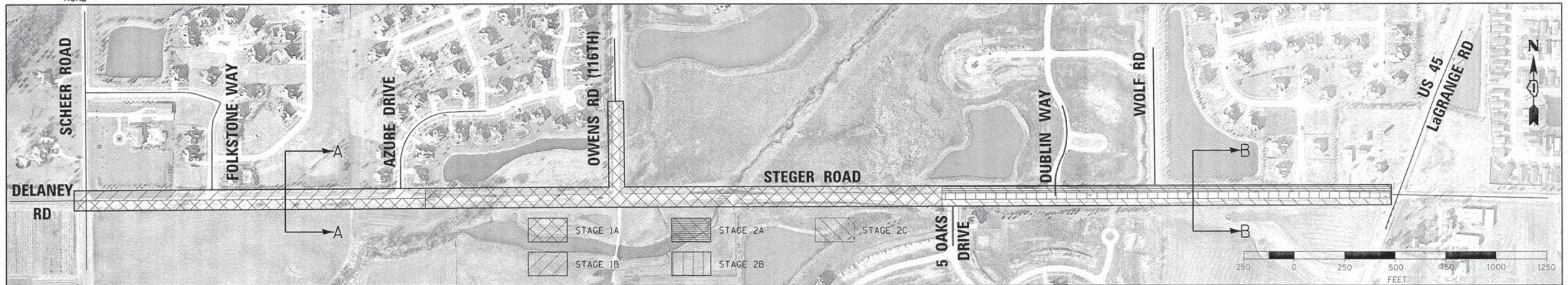


SCHEER INTERSECTION 1A

SCHEER INTERSECTION 1B



SECTION B-B STAGE 2C



USER NAME = mxbutler	DESIGNED - MJB	REVISED -
PLOT SCALE = 250.0000' / 1in.	DRAWN - MJB	REVISED -
PLOT DATE = 2/1/2016	CHECKED - RMG	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

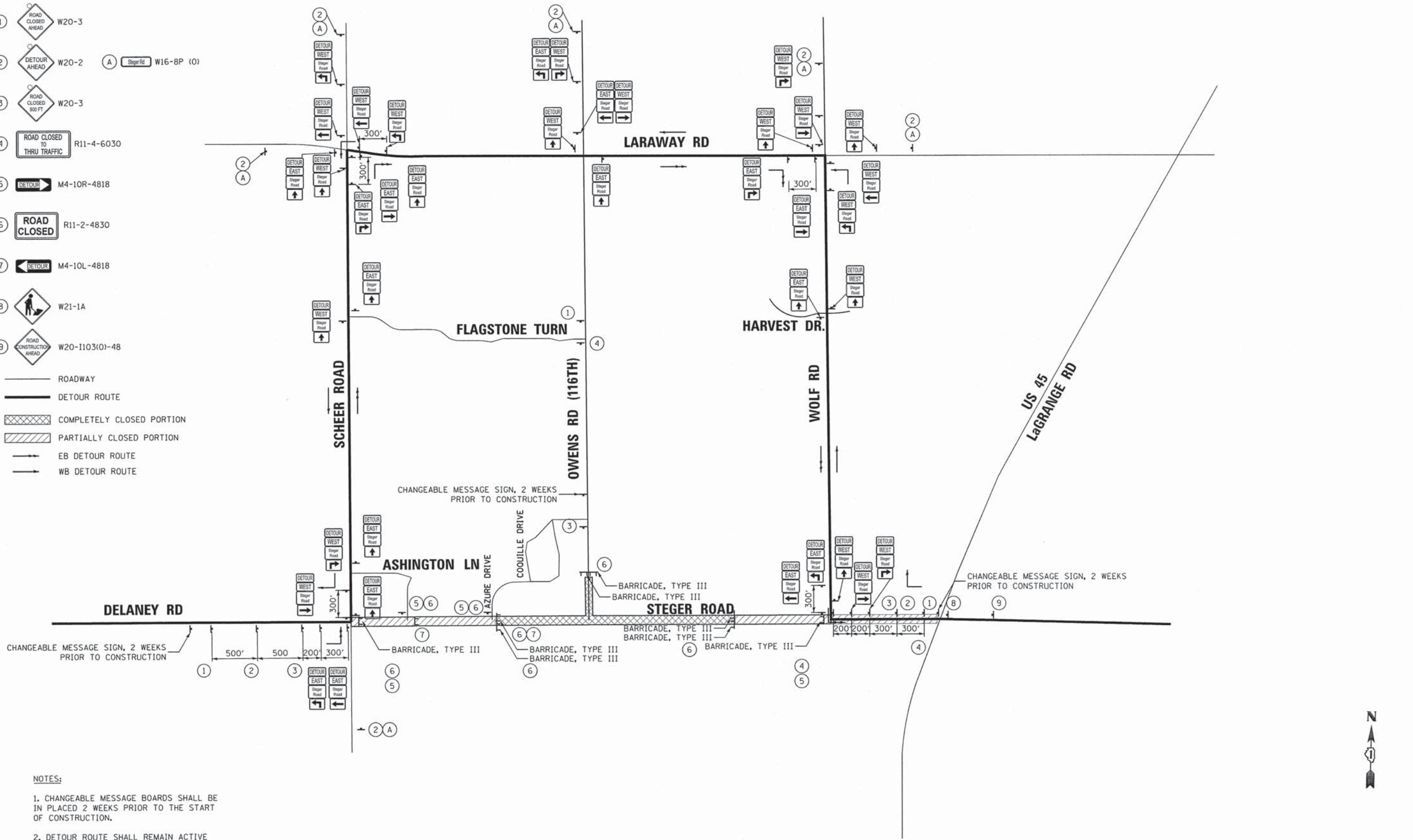
MAINTENANCE OF TRAFFIC

SCALE: 1"=250' SHEET 1 OF 2 SHEETS STA. TO STA.

F.A. RTE. 1634	SECTION 11-00047-00-FP	COUNTY WILL	TOTAL SHEETS 148	SHEET NO. 45
CONTRACT NO. 61C70			ILLINOIS FED. AID PROJECT	

LEGEND

- ① ROAD CLOSED AHEAD W20-3
- ② DETOUR AHEAD W20-2 (A) Steger Rd W16-8P (O)
- ③ ROAD CLOSED 500 FT W20-3
- ④ ROAD CLOSED TO THRU TRAFFIC R11-4-6030
- ⑤ DETOUR M4-10R-4818
- ⑥ ROAD CLOSED R11-2-4830
- ⑦ DETOUR M4-10L-4818
- ⑧ W21-1A
- ⑨ ROAD CONSTRUCTION AHEAD W20-1103(O)-48
- ROADWAY
- DETOUR ROUTE
- COMPLETELY CLOSED PORTION
- PARTIALLY CLOSED PORTION
- EB DETOUR ROUTE
- WB DETOUR ROUTE



NOTES:

1. CHANGEABLE MESSAGE BOARDS SHALL BE IN PLACED 2 WEEKS PRIOR TO THE START OF CONSTRUCTION.
2. DETOUR ROUTE SHALL REMAIN ACTIVE THROUGH STAGE 1A AND 1B.



	USER NAME = mxbutler	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MAINTENANCE OF TRAFFIC DETOUR PLAN	F.A. RTE. 1634	SECTION 11-00047-00-FP	COUNTY WILL	TOTAL SHEETS 148	SHEET NO. 46			
	PLOT SCALE = 500.0000' / in.	CHECKED -	REVISED -			SCALE: 1"=500'	SHEET 2 OF 2 SHEETS	STA. TO STA.	CONTRACT NO. 61C70				
	PLOT DATE = 2/1/2016	DATE -	REVISED -			ILLINOIS FED. AID PROJECT							

EROSION CONTROL GENERAL NOTES

1. ALL PROVISIONS FOR THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP) WILL COMPLY WITH ALL THE CONDITIONS STIPULATED IN THE GENERAL NPDES PERMIT NO. ILR10 EFFECTIVE AUGUST 1, 2013 AND AS MODIFIED APRIL 30, 2014.
2. WILL COUNTY MUST BE NOTIFIED ONE WEEK PRIOR TO THE PRE-CONSTRUCTION CONFERENCE, ONE WEEK PRIOR TO THE COMMENCEMENT OF LAND DISTURBING ACTIVITIES, AND ONE WEEK PRIOR TO FINAL INSPECTION.
3. 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 EROSION CONTROL PLAN SHALL BE SUBMITTED FOR REVIEW BY WILL COUNTY.
SOIL EROSION AND SEDIMENT CONTROL FEATURES SHALL BE PHASED PRIOR TO THE COMMENCEMENT OF ANY UPLAND DISTURBANCE. SOIL DISTURBANCE SHALL BE PHASED AND CONSTRUCTED IN SUCH A MANNER AS TO MINIMIZE EROSION.
4. UNLESS OTHERWISE INDICATED, ALL VEGETATIVE AND STRUCTURAL EROSION AND SEDIMENT CONTROL PRACTICES WILL BE INSTALLED, AT A MINIMUM, ACCORDING TO THE STANDARDS AND SPECIFICATIONS CONTAINED IN THE ILLINOIS URBAN MANUAL, REVISED TO THE LATEST EDITION AS AMENDED. A COPY OF THE APPROVED EROSION AND SEDIMENTATION CONTROL PLAN IN CONJUNCTION WITH THE STORMWATER POLLUTION PREVENTION PLAN (SWPPP) SHALL BE MAINTAINED ON THE SITE AT ALL TIMES.
5. THE CONTRACTOR IS RESPONSIBLE FOR INSTALLATION OF ANY ADDITIONAL EROSION CONTROL MEASURES NECESSARY TO PREVENT EROSION AND SEDIMENTATION AS DETERMINED BY WILL COUNTY.
6. THE INSTALLATION, MAINTENANCE, REMOVAL AND RESTORATION OF THE AREA DISTURBED BY THE PLACEMENT OF THE PERIMETER EROSION BARRIER ARE INCLUDED IN THE CONTRACT UNIT PRICE FOR PERIMETER EROSION BARRIER. AREAS DAMAGED BY THE PLACEMENT OF THE PERIMETER EROSION BARRIER WILL BE RESTORED AFTER ALL PERIMETER EROSION BARRIER IS REMOVED.
7. THE CONTRACTOR SHALL CLEAN UP AND GRADE THE WORK AREA AS THE PROJECT PROGRESSES TO ELIMINATE THE CONCENTRATION OF RUNOFF, OR SHALL INSTALL APPROPRIATE SEDIMENT CONTROL DEVICES TO TRAP SEDIMENT. PAVEMENT SHALL BE CLEANED DAILY TO REMOVE EARTHEN MATERIAL TO THE SATISFACTION OF THE RESIDENT ENGINEER.
8. ALL STORM SEWER INLET STRUCTURES SHALL BE PROTECTED WITH STORM SEWER INLET FILTERS AND INSTALLED PER MANUFACTURER SPECIFICATIONS.
9. THE CONTRACTOR SHALL MAINTAIN AND PRESERVE ANY EXISTING SUB-SURFACE DRAINAGE SYSTEMS, SUCH AS FIELD TILES, ACCORDING TO EXISTING DESIGN AND CONSTRUCTION STANDARDS.
10. DURING DEWATERING OPERATIONS, WATER WILL BE FILTERED OR PUMPED INTO SEDIMENT BASINS OR SILT TRAPS. DEWATERING DIRECTLY INTO STREAMS, WETLANDS, FIELD TILES, OR STORMWATER STRUCTURES IS PROHIBITED.
11. IT IS THE RESPONSIBILITY OF THE LANDOWNER AND/OR GENERAL CONTRACTOR TO INFORM ANY SUB-CONTRACTOR(S) WHO MAY PERFORM WORK ON THIS PROJECT, OF THE REQUIREMENTS IN IMPLEMENTING AND MAINTAINING THESE EROSION CONTROL PLANS AND ASSURE COMPLIANCE WITH ALL APPLICABLE LOCAL, STATE AND FEDERAL REGULATIONS.
12. CONSTRUCTION ACTIVITIES SHALL BE SCHEDULED TO MINIMIZE THE TIME SOIL IS EXPOSED AND UNPROTECTED. IN NO CASE SHALL THE EXISTING VEGETATION BE DESTROYED, REMOVED, OR DISTURBED MORE THAN FOURTEEN (14) DAYS PRIOR TO THE INITIATION OF IMPROVEMENTS.
13. TEMPORARY AND/OR PERMANENT SOIL STABILIZATION (VEGETATION OR HARDSCAPE) SHALL BE APPLIED TO EXPOSED AREAS AS SOON AS POSSIBLE. STABILIZATION OF DISTURBED AREAS MUST BE INITIATED WITHIN 1 WORKING DAY OF PERMANENT OR TEMPORARY CESSATION OF EARTH DISTURBING ACTIVITIES. QUALIFIED PERSONNEL SHALL INSPECT DISTURBED AREAS AT LEAST ONCE EVERY SEVEN (7) CALENDAR DAYS AND WITHIN TWENTY-FOUR (24) HOURS OF THE END OF A STORM THAT IS 0.5 INCHES OR GREATER OR EQUIVALENT SNOWFALL. QUALIFIED PERSONNEL ARE PERSONS KNOWLEDGEABLE IN THE PRINCIPLES AND PRACTICES OF EROSION AND SEDIMENT CONTROL MEASURES, SUCH AS A LICENSED PROFESSIONAL ENGINEER, A CERTIFIED PROFESSIONAL IN EROSION AND SEDIMENT CONTROL (CPESC), A CERTIFIED EROSION SEDIMENT AND STORMWATER INSPECTOR (CESSWI), OR OTHER KNOWLEDGEABLE PERSON WHO POSSESS THE SKILLS TO ASSESS CONDITIONS AT THE CONSTRUCTION SITE THAT COULD IMPACT STORMWATER QUALITY AND MEASURES SELECTED TO CONTROL THE QUANTITY OF STORM WATER DISCHARGES FROM THE CONSTRUCTION ACTIVITIES.
14. THE CONTRACTOR SHALL MAKE INSPECTIONS A MINIMUM OF ONCE EVERY SEVEN (7) DAYS OF THE FOLLOWING: DISTURBED AREAS OF THE PROJECT SITE THAT HAVE NOT BEEN FULLY STABILIZED; STRUCTURAL CONTROL MEASURES, INCLUDING BUT NOT LIMITED TO, SILT FENCE AND DITCH CHECKS; LOCATIONS WHERE VEHICLES ENTER AND EXIT THE SITE.
15. THE CONTRACTOR SHALL KEEP A WRITTEN REPORT SUMMARIZING THE REQUIRED INSPECTION EACH TIME AN INSPECTION TAKES PLACE. THE REPORTS MUST BE RETAINED FOR THREE (3) YEARS FROM THE DATE THAT THE NPDES ILR10 PERMIT COVERAGE EXPIRES OR IS TERMINATED.
16. THE INSPECTOR SHALL NOTIFY THE APPROPRIATE AGENCY FIELD OPERATIONS SECTION OFFICE WITHIN 24 HOURS OF ANY INCIDENT OF NON-COMPLIANCE FOR ANY VIOLATION OF THE STORM WATER POLLUTION PREVENTION PLAN OBSERVED DURING ANY INSPECTION CONDUCTED, OR FOR VIOLATIONS OF ANY CONDITION OF THIS PERMIT. NOTIFICATION SHALL BE MADE VIA E-MAIL AT epg.swnoncomp@illinois.gov, TELEPHONE, OR FAX. THE INSPECTOR MUST FILL OUT AND FILE WITHIN FIVE (5) DAYS TO THE ILLINOIS ENVIRONMENTAL PROTECTION AGENCY AND INCIDENCE OF NON-COMPLIANCE (ION) FORM WHEN REQUIRED BY THE PERMIT. THE REPORT SHALL INCLUDE THE FOLLOWING:
SCOPE OF INSPECTION
NAMES OF QUALIFIED PERSONNEL MAKING SAID INSPECTION
DATE OF SAID INSPECTION
MAJOR OBSERVATIONS INCLUDING IDENTIFIED POTENTIAL POLLUTANT SOURCES RELATING TO THE IMPLEMENTATION OF THE STORM WATER POLLUTION PREVENTION PLAN
ACTIONS TAKEN BASED ON THE RESULTS OF THE INSPECTION.
17. THE CONTRACTOR MUST COOPERATE WITH ANY AGENTS WHO MAKE THE SITE VISITS TO REVIEW COMPLIANCE WITH THE STORMWATER POLLUTION PREVENTION PLAN (SWPPP) IN THE FIELD AND AUDIT THE LOGS AND RECORDS REQUIRED BY THE PERMIT.
18. STOCKPILES OF SOIL SHALL NOT BE LOCATED WITHIN FLOODPLAINS, RIPARIAN AREAS, WETLANDS OR WATERS OF THE US.
19. IF A STOCKPILE IS TO REMAIN IN PLACE FOR MORE THAN THREE (3) DAYS, THEN SEDIMENT AND EROSION CONTROL SHALL BE PROVIDED FOR SAID STOCKPILE. SEDIMENT AND EROSION CONTROL MAY BE COMPRISED OF SILT FENCE SURROUNDING THE STOCKPILE OR A COVERING OVER THE STOCKPILE.
20. IF THE VOLUME, VELOCITY, SEDIMENT LOAD OR PEAK FLOW RATES OF STORM-WATER RUNOFF ARE TEMPORARILY INCREASED DURING CONSTRUCTION THEN PROPERTIES AND SPECIAL MANAGEMENT AREAS DOWNSTREAM FROM SUCH DEVELOPMENT SITES SHALL BE PROTECTED FROM EROSION.
21. GRAVELED ROADS, ACCESS DRIVES, PARKING AREAS OF SUFFICIENT WIDTH AND LENGTH, AND VEHICLE WASH DOWN FACILITIES IF NECESSARY, SHALL BE PROVIDED TO PREVENT THE DEPOSIT OF SILT FROM BEING TRACKED ONTO PUBLIC OR PRIVATE ROADWAYS. ANY MUD, SOIL OR DEBRIS REACHING PUBLIC OR PRIVATE ROADWAY SHALL BE REMOVED IMMEDIATELY.
22. CONCRETE WASHOUT SHOULD BE CONTAINED AT ALL TIMES. WASHOUT MATERIAL SHOULD NOT BE ALLOWED TO ENTER STORM SEWERS OR LEACH INTO THE SOIL UNDER ANY CIRCUMSTANCES. ANY WASTE SHOULD BE DISPOSED OF PROPERLY AND THE LOCATION OF THE WASHOUT SHOULD BE DESIGNATED WITH PROPER SIGNAGE.
23. THE CONTRACTOR SHALL CONSULT WITH A CERTIFIED PROFESSIONAL IN EROSION AND SEDIMENT CONTROL FOR THE MAINTENANCE OF EROSION AND SEDIMENT CONTROL MEASURES.
24. ALL TEMPORARY EROSION CONTROL MEASURES MUST BE MAINTAINED AND IMMEDIATELY REPLACED AS NEEDED AND AS DIRECTED BY THE INSPECTOR. THE CONTRACTOR WILL BE RESPONSIBLE FOR ALL INSPECTION, MAINTENANCE AND REPAIR.
25. ALL TEMPORARY EROSION AND SEDIMENT CONTROL ITEMS, INCLUDING PERIMETER EROSION BARRIER, MUST BE REMOVED WITHIN THIRTY (30) DAYS AFTER FINAL STABILIZATION IS COMPLETED, PROVIDED THAT SEEDING IS AT LEAST 90% ESTABLISHED OR OTHERWISE APPROVED BY THE ENGINEER.
26. ALL DRAINAGE STRUCTURES SHALL BE CLEANED OF DIRT AND DEBRIS UPON COMPLETION OF ALL THE SITE WORK INCLUDING GROUND COVER. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT FOR EROSION AND SEDIMENT CONTROL.
27. DUST SHALL BE CONTROLLED BY THE UNIFORM APPLICATION OF WATER BY THE CONTRACTOR.
28. EROSION CONTROL DEVICES MUST BE IN PLACE AND FUNCTIONAL BEFORE SOIL OR VEGETATION IS DISTURBED.
29. ANY INLET PROTECTION SHALL BE CONSTRUCTED BEFORE LAND DISTURBANCE BEGINS.
30. TEMPORARY DITCH CHECKS SHALL BE CONSTRUCTED SUCH THAT THE CENTER IS APPROXIMATELY 6-INCHES LOWER THAN THE OUTER EDGES SO WATER WILL FLOW ACROSS THE CENTER AND NOT AROUND THE ENDS. SPACING BETWEEN TEMPORARY DITCH CHECKS SHALL BE AS SHOWN ON THE PLANS. ADDITIONAL DITCH CHECKS MAY BE NECESSARY TO PROTECT ADJACENT CREEK OR WETLAND AS INDICATED BY THE INSPECTOR OR COUNTY.
31. ANY AGGREGATE BASE EROSION CONTROL MEASURES SHALL BE REMOVED AND REPLACED WITH NEW AGGREGATE WHEN STRUCTURE BECOMES 50% PLUGGED, SILT LADEN OR AS REQUIRED BY INSPECTION.
32. ALL GREEN AREAS RESTORED TO PRE- CONSTRUCTION CONDITIONS WILL BE STABILIZED WITH TOPSOIL, SEED, AND TEMPORARY EROSION CONTROL BLANKET AS CONTAINED HEREIN OR OTHERWISE NOTED.
33. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING TEMPORARY DRAINAGE DURING THE PROJECT. DAMAGE TO THE SUBGRADE, EXISTING FACILITIES AND/OR CONSTRUCTED WORK WILL BE REPLACED BY THE CONTRACTOR AS DIRECTED BY THE RESIDENT ENGINEER AT NO ADDITIONAL COST. ANY ALTERATIONS OR ADDITIONS TO THE EXISTING SOIL EROSION AND SEDIMENT CONTROL PLAN SHALL BE SUBMITTED TO THE COUNTY FOR APPROVAL AND EITHER ADDED TO THE EXISTING PLAN OR UTILIZED IN PLACE OF THE EXISTING PLAN.
34. ALL OTHER SOIL EROSION CONTROL DEVICES AND MEASURES DEEMED NECESSARY BY THE INSPECTOR OR COUNTY SHALL BE IMPLEMENTED IMMEDIATELY UPON NOTIFICATION.
35. SEEDING AND NUTRIENT APPLICATION RATES SHALL BE ACCORDING TO THE IDOT STANDARD SPECIFICATIONS.
36. THE WORK IN THE STREAMBED IS TO BE PERMITTED UNDER THE UNITED STATES ARMY CORPS ON ENGINEERS 404 REGIONAL PERMIT 3.

STAGING SUMMARY

PRESTAGE

WORK PERFORMED

1. INSTALL PERIMETER EROSION BARRIER, INLET AND PIPE FILTERS, AND DITCH CHECKS AS NOTED ON THE PLANS.
2. INSTREAM WORK INCLUDING REMOVING EXISTING BRIDGE, CONSTRUCTING 5-CELL BOX CULVERT, STEGER-OWENS INTERSECTION GRADING, PAVEMENT CONSTRUCTION, REGRADE DITCHING, EMBANKMENT, AND SHOULDERS ADJACENT TO ROADWAY.
3. INSTALL EROSION CONTROL BLANKET AND SEEDING WITHIN 7 DAYS OF FINAL GRADING.

STAGE 1 A&B

WORK PERFORMED

1. CONTINUE MAINTENANCE OF PERIMETER EROSION CONTROL BARRIER, INLET AND PIPE FILTERS, AND DITCH CHECKS.
2. RESURFACE/RECONSTRUCT MEDIAN LANE PAVEMENT US-45 TO 5 OAKS DRIVE.
3. INSTALL EROSION CONTROL BLANKET WITHIN 7 DAYS OF FINAL GRADING.

STAGE 2 A,B,&C

WORK PERFORMED

1. INSTALL PERIMETER EROSION BARRIER, INLET AND PIPE FILTERS, AND DITCH CHECKS AS NOTED ON THE PLANS.
2. RESURFACE/RECONSTRUCT EASTBOUND LANE PAVEMENT US-45 TO 5 OAKS DRIVE. REGRADE DITCHING, EMBANKMENT, AND SHOULDERS ADJACENT TO ROADWAY.
3. INSTALL EROSION CONTROL BLANKET WITHIN 7 DAYS OF FINAL GRADING.
4. REMOVE PERIMETER EROSION BARRIER AND DITCH CHECKS.



USER NAME = mxbutler	DESIGNED - JIR	REVISED -
PLOT SCALE = 1:8000' / in.	DRAWN - JIR	REVISED -
PLOT DATE = 2/1/2016	CHECKED - RMG	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

EROSION CONTROL NOTES

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1634	11-00047-00-FP	WILL	148	47
CONTRACT NO. 61C70				
ILLINOIS FED. AID PROJECT				

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

EROSION CONTROL AND LANDSCAPE SCHEDULE		TEMPORARY FENCE	TREE PRUNING (1 TO 10 INCH DIAMETER)	TOPSOIL FURNISH AND PLACE, 6"	SEEDING, CLASS 2A	NITROGEN FERTILIZER NUTRIENT	POTASSIUM FERTILIZER NUTRIENT	EROSION CONTROL BLANKET	TEMPORARY DITCH CHECKS	PERIMETER EROSION BARRIER	INLET AND PIPE PROTECTION	INLET FILTERS	ARTICULATED BLOCK REVETMENT MAT	TREE, QUERCUS BICOLOR (SWAMP WHITE OAK), 2" CALIPER, BALLED AND BURLAPPED	TREE, TILIA AMERICANA (AMERICAN LINDEN/BASSWOOD), 2" CALIPER, BALLED AND BURLAPPED	MULCH PLACEMENT 4"	
ALIGNMENT	FROM STATION	TO STATION	20101000 FOOT	20101300 EACH	21101625 SQ YD	25000210 ACRE	25000400 POUND	25000600 POUND	25100630 SQ YD	28000305 EACH	28000400 FOOT	28000500 EACH	28000510 EACH	28500400 SQ YD	A2006516 EACH	A2007816 EACH	K0036120 SQ YD
STEGER RD	3+00	8+00	0	0	1,253	0.26	24	24	1,253	4	0	0	0	0	0	0	0
	8+00	13+00	102	3	340	0.08	8	8	340	0	500	0	2	0	0	0	21
	13+00	18+00	134	3	352	0.08	8	8	352	0	500	0	1	0	0	0	24
	18+00	23+00	32	2	1,166	0.25	23	23	1,166	2	500	2	0	0	0	0	6
	23+00	28+00	-	-	2,040	0.43	39	39	2,040	5	560	2	0	19	0	0	0
	28+00	33+00	-	-	2,252	0.47	43	43	2,252	3	590	3	0	11	0	0	0
	33+00	38+00	-	-	3,975	0.83	75	75	3,975	4	455	2	3	0	0	0	0
	38+00	43+00	-	-	3,437	0.72	65	65	3,437	5	0	0	9	0	0	0	0
	43+00	48+00	-	-	1,392	0.29	27	27	1,392	3	0	0	8	0	0	0	0
	48+00	53+00	-	-	0	0.00	0	0	0	0	0	0	6	0	0	0	0
	53+00	58+00	-	-	0	0.00	0	0	0	0	0	3	7	0	0	0	0
	58+00	63+00	-	-	0	0.00	0	0	0	0	0	2	0	0	0	0	0
	63+00	68+00	-	-	570	0.12	11	11	570	4	0	2	5	0	0	0	0
	OWENS RD	0+75	5+00	-	-	1,728	0.36	33	33	1,728	0	851	0	15	0	0	0
BIKE PATH/CREEK			-	-	5,612	1.16	105	105	5,612	0	1,378	0	0	2	2	12	
			268	8	24,117	5.05	461	461	24,117	30	5,334	16	56	30	2	2	63



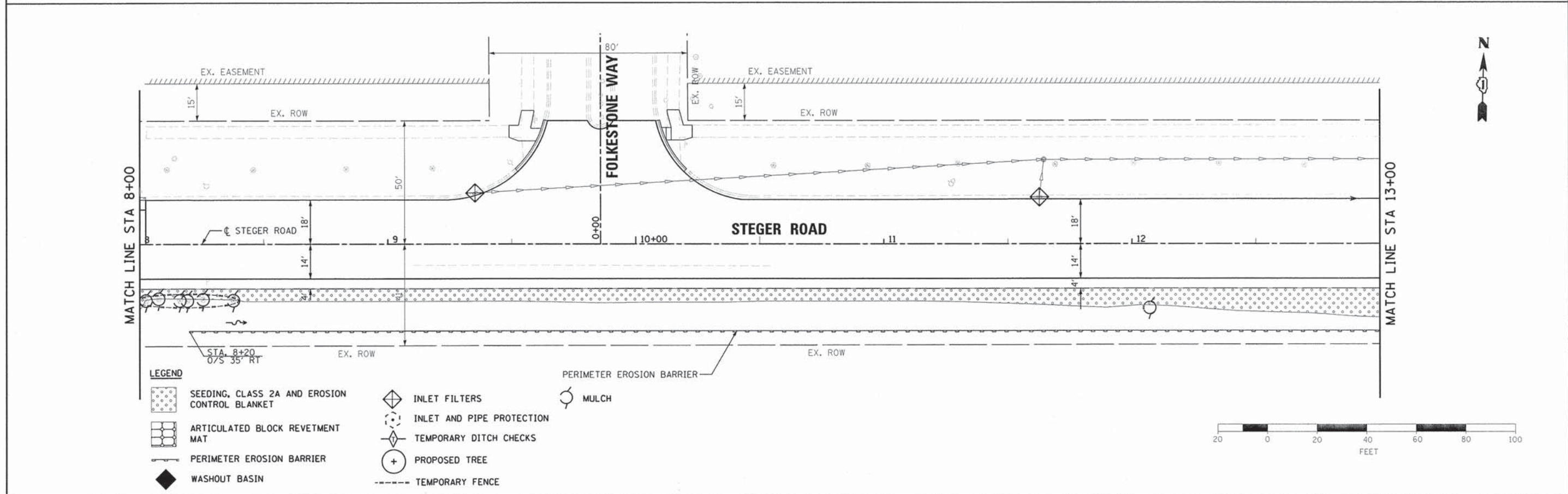
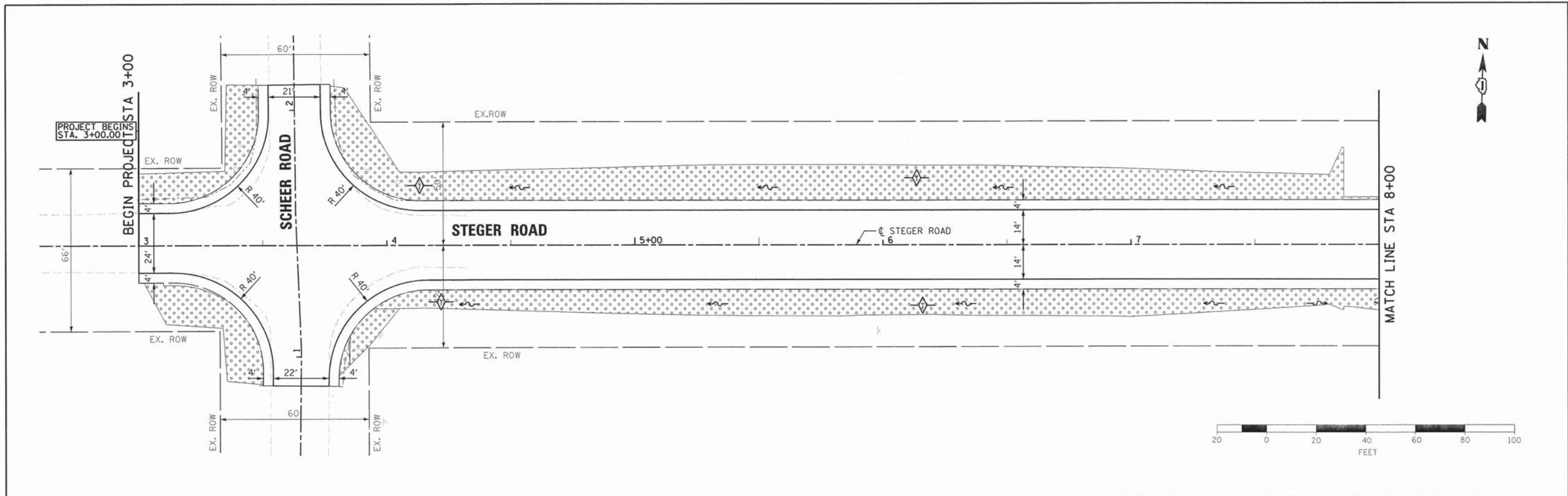
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PLOT DATE = 2/1/2016	CHECKED - RMG	REVISED -
	DATE - 02/01/2016	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EROSION CONTROL SCHEDULE

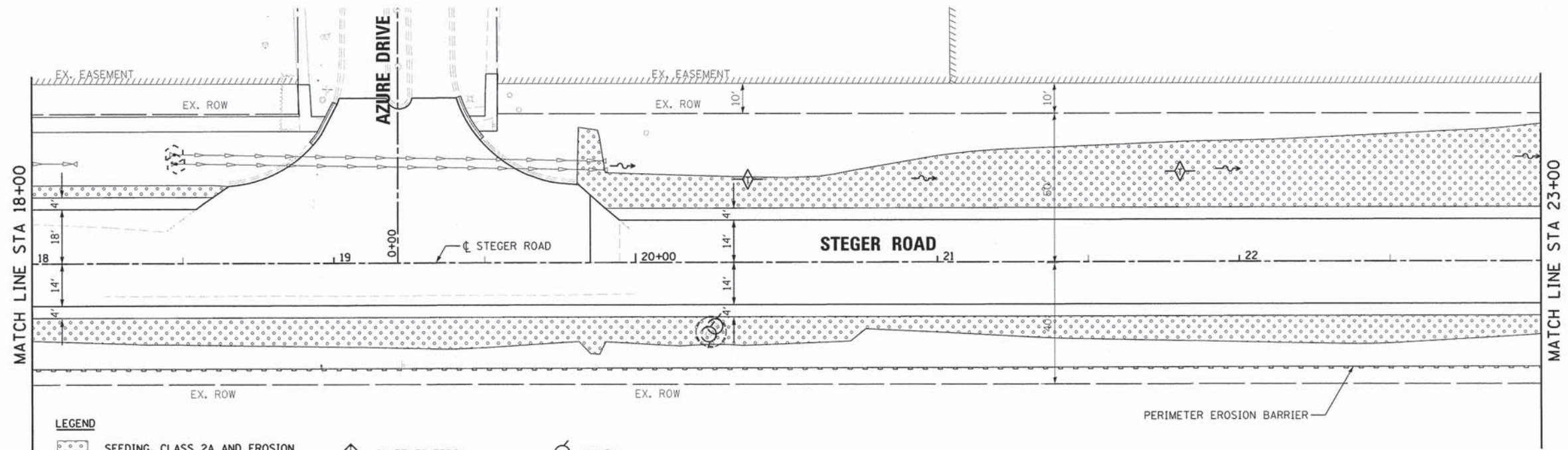
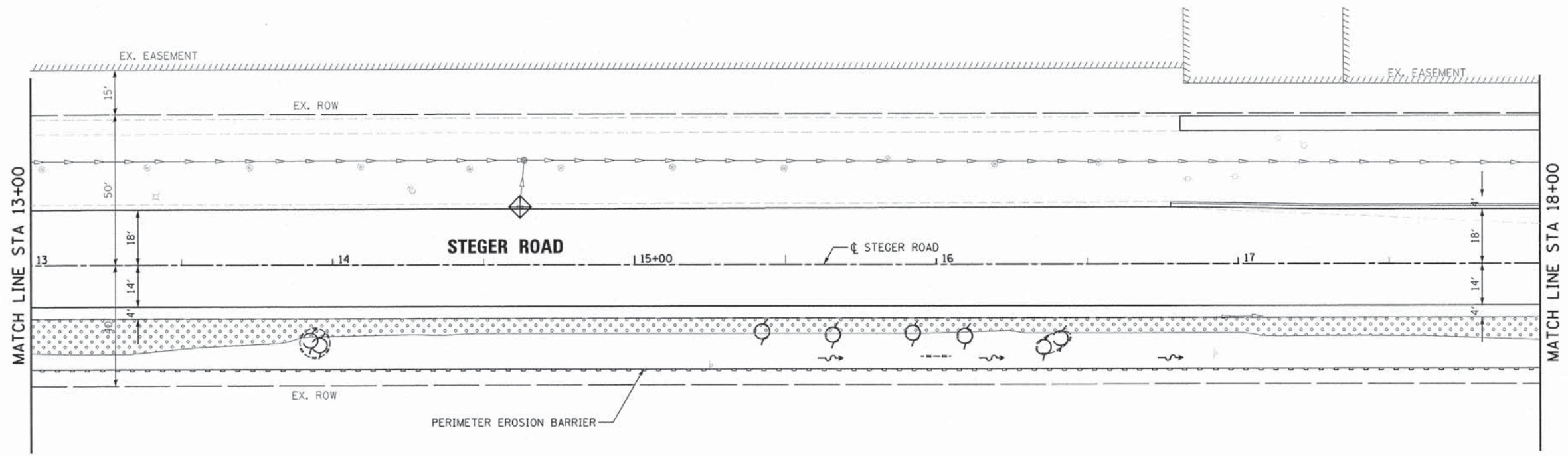
SCALE: SHEET 1 OF 1 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1634	11-00047-00-FP	WILL	148	48
CONTRACT NO. 61C70				
ILLINOIS FED. AID PROJECT				



- LEGEND**
- SEEDING, CLASS 2A AND EROSION CONTROL BLANKET
 - ARTICULATED BLOCK REVETMENT MAT
 - PERIMETER EROSION BARRIER
 - WASHOUT BASIN
 - INLET FILTERS
 - INLET AND PIPE PROTECTION
 - TEMPORARY DITCH CHECKS
 - PROPOSED TREE
 - TEMPORARY FENCE
 - MULCH

BURNS & MCDONNELL	USER NAME = mxbutler	DESIGNED - JIR	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EROSION CONTROL PLAN	F.A. RTE. 1634	SECTION 11-00047-00-FP	COUNTY WILL	TOTAL SHEETS 148	SHEET NO. 49
	PLOT SCALE = 20,0000' / 1" =	CHECKED - RMG	REVISIED -			SCALE: 1" = 20'	SHEET 1 OF 9 SHEETS	STA. 3+00.00 TO STA. 13+00.00	CONTRACT NO. 61C70	
	PLOT DATE = 2/1/2016	DATE -	REVISIED -							



- LEGEND**
- SEEDING, CLASS 2A AND EROSION CONTROL BLANKET
 - ARTICULATED BLOCK REVETMENT MAT
 - PERIMETER EROSION BARRIER
 - WASHOUT BASIN
 - INLET FILTERS
 - INLET AND PIPE PROTECTION
 - TEMPORARY DITCH CHECKS
 - PROPOSED TREE
 - TEMPORARY FENCE
 - MULCH



USER NAME = mxbutler	DESIGNED - JIR	REVISED -
PLOT SCALE = 20.0000' / 1" =	DRAWN - JIR	REVISED -
PLOT DATE = 2/1/2016	CHECKED - RMG	REVISED -
	DATE -	REVISED -

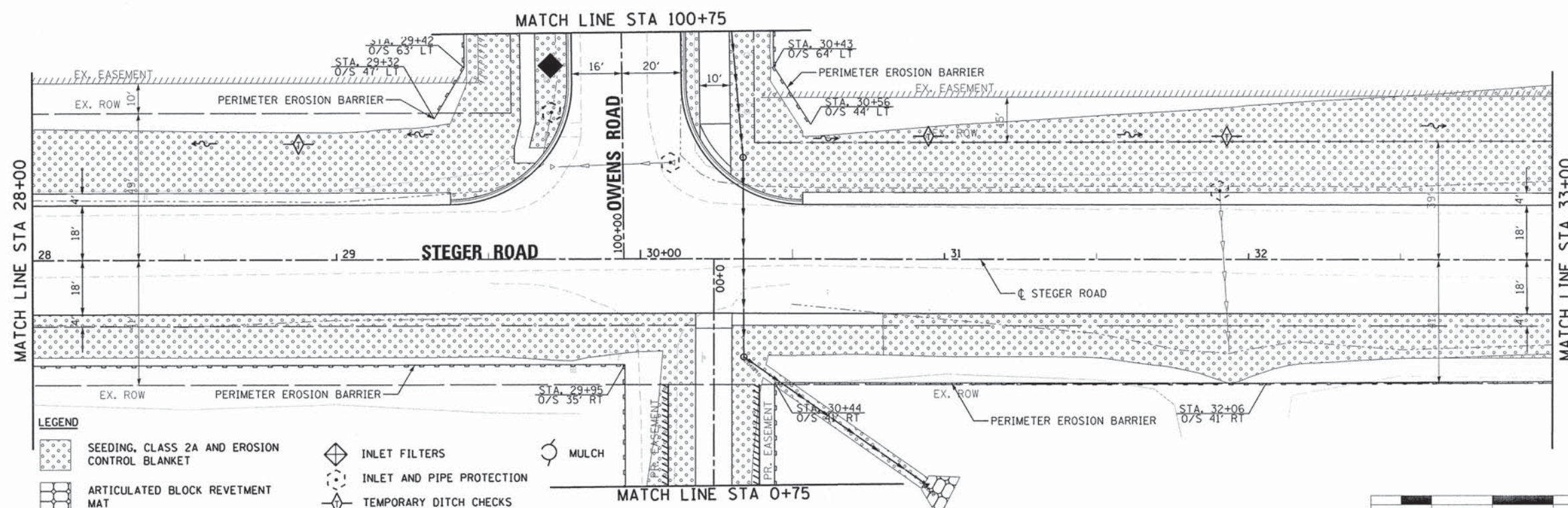
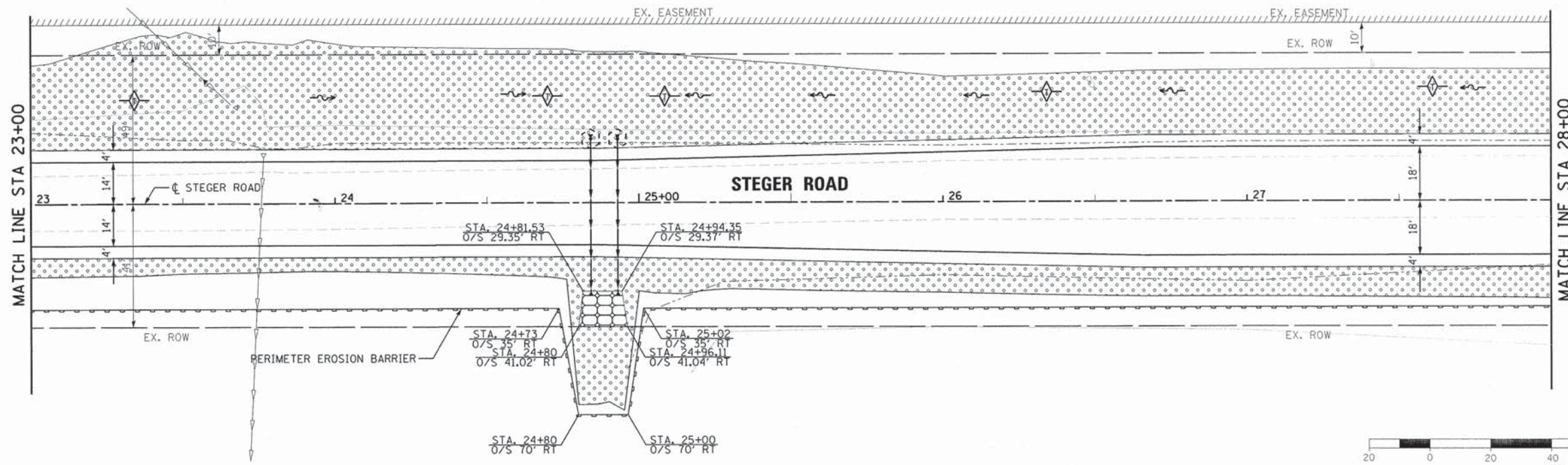
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

EROSION CONTROL PLAN

SCALE: 1" = 20' SHEET 2 OF 9 SHEETS STA. 13+00.00 TO STA. 23+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1634	11-00047-00-FP	WILL	148	50
CONTRACT NO. 61C70				
ILLINOIS FED. AID PROJECT				

80043-shr-eros02.dgn



- LEGEND**
- SEEDING, CLASS 2A AND EROSION CONTROL BLANKET
 - ARTICULATED BLOCK REVETMENT MAT
 - PERIMETER EROSION BARRIER
 - WASHOUT BASIN
 - INLET FILTERS
 - INLET AND PIPE PROTECTION
 - TEMPORARY DITCH CHECKS
 - PROPOSED TREE
 - TEMPORARY FENCE
 - MULCH



USER NAME = mbutler	DESIGNED - JIR	REVISED -
PLOT SCALE = 20,0000' / 1" =	DRAWN - JIR	REVISED -
PLOT DATE = 2/1/2016	CHECKED - RMG	REVISED -
	DATE -	REVISED -

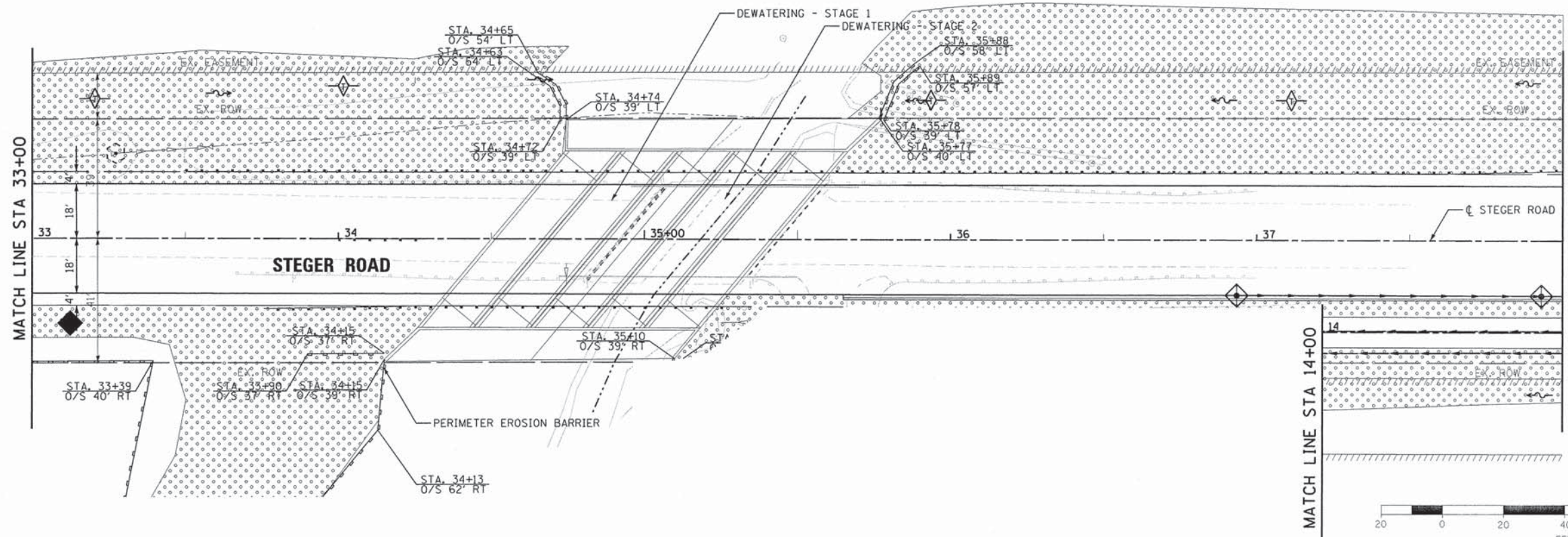
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EROSION CONTROL PLAN

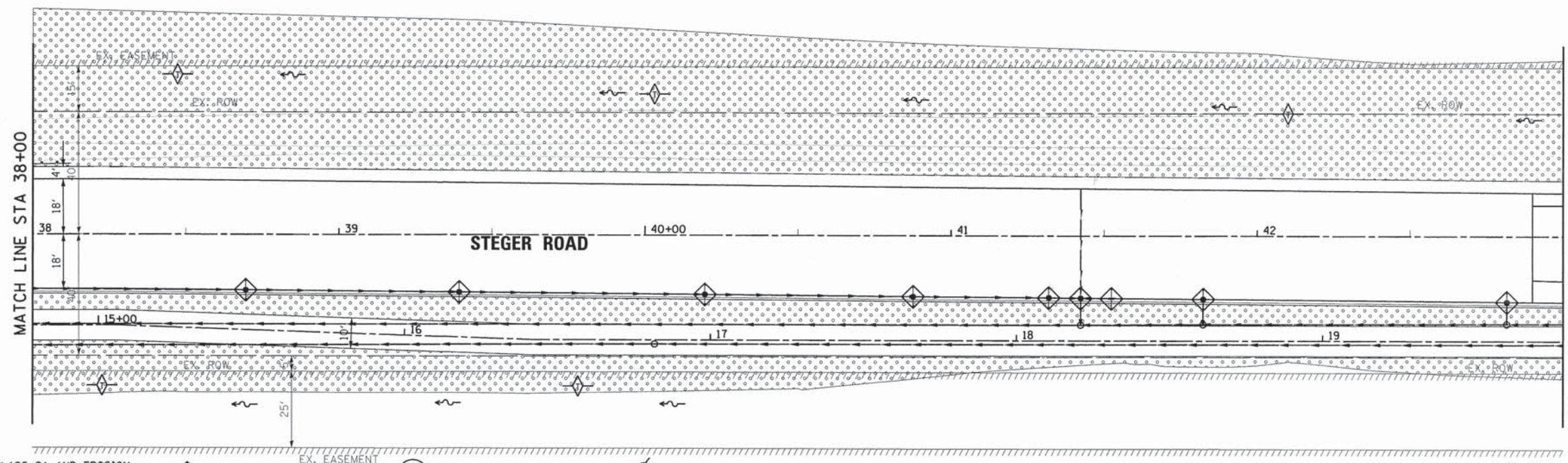
SCALE: 1" = 20' SHEET 3 OF 9 SHEETS STA. 23+00.00 TO STA. 33+00.00

F.A. RTE. 1634	SECTION 11-00047-00-FP	COUNTY WILL	TOTAL SHEETS 148	SHEET NO. 51
CONTRACT NO. 61C70				
ILLINOIS FED. AID PROJECT				

88843-shv-eros83.dgn



NOTES:
1. DEWATERING STAGES 1 AND 2 SHALL BE PAID FOR AS DEWATERING.



LEGEND

	SEEDING, CLASS 2A AND EROSION CONTROL BLANKET		INLET FILTERS		PROPOSED TREE		MULCH
	ARTICULATED BLOCK REVETMENT MAT		INLET AND PIPE PROTECTION		PERIMETER EROSION BARRIER		TEMPORARY FENCE
			TEMPORARY DITCH CHECKS		WASHOUT BASIN		



USER NAME = mxbutler	DESIGNED - JIR	REVISED -
PLOT SCALE = 20,0000' / 1"	DRAWN - JIR	REVISED -
PLOT DATE = 2/1/2016	CHECKED - RMG	REVISED -
	DATE -	REVISED -

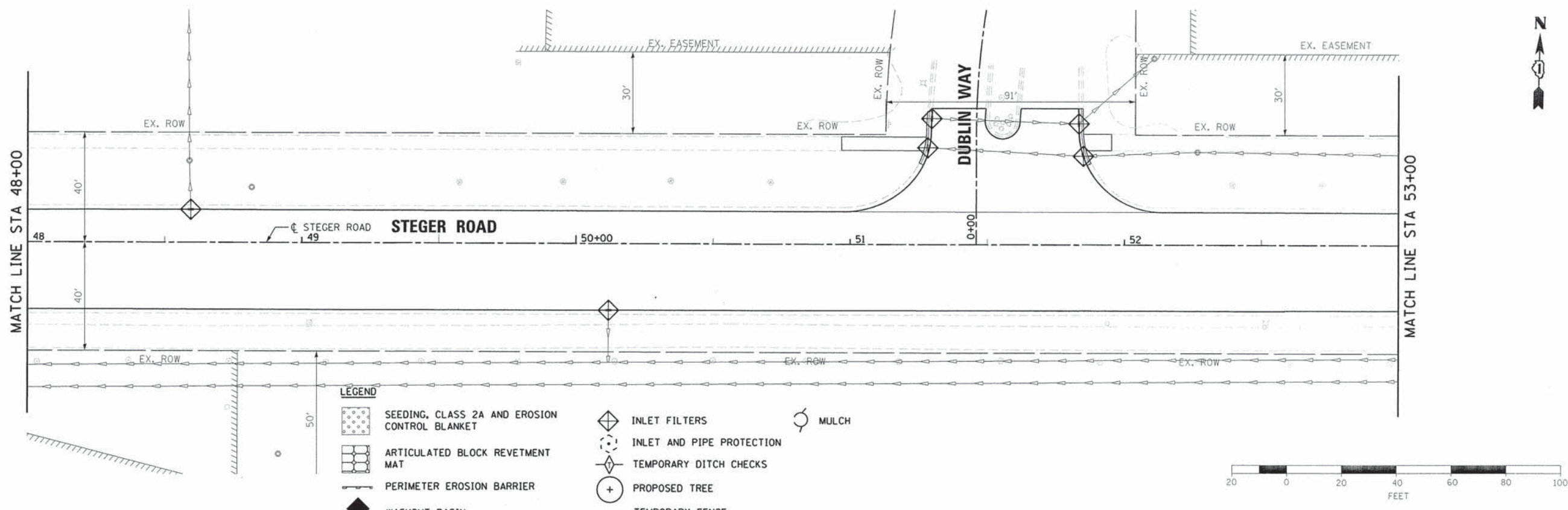
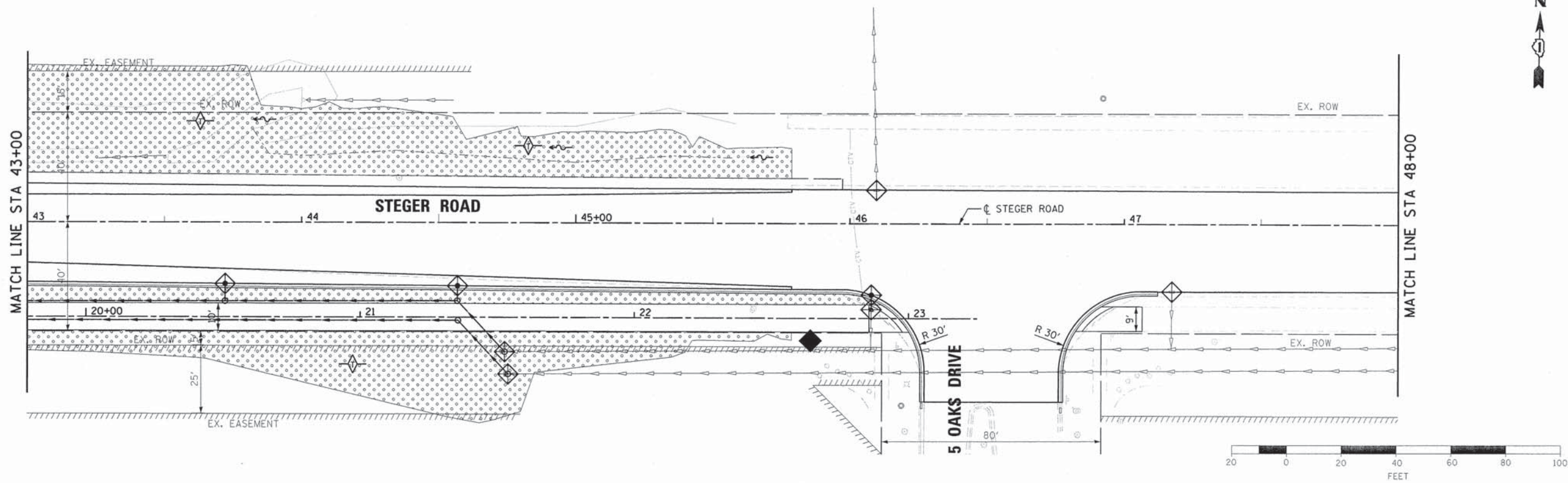
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EROSION CONTROL PLAN

SCALE: 1" = 20' SHEET 4 OF 9 SHEETS STA. 33+00.00 TO STA. 43+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1634	11-00047-00-FP	WILL	148	52
CONTRACT NO. 61C70				
ILLINOIS FED. AID PROJECT				

88043-shr-eros04.dgn



- LEGEND**
- SEEDING, CLASS 2A AND EROSION CONTROL BLANKET
 - ARTICULATED BLOCK REVETMENT MAT
 - PERIMETER EROSION BARRIER
 - WASHOUT BASIN
 - INLET FILTERS
 - INLET AND PIPE PROTECTION
 - TEMPORARY DITCH CHECKS
 - PROPOSED TREE
 - TEMPORARY FENCE
 - MULCH

BURNS & MCDONNELL

USER NAME = mxbutler	DESIGNED - JIR	REVISED -
PLOT SCALE = 20.0000" / 1"	DRAWN - JIR	REVISED -
PLOT DATE = 2/1/2016	CHECKED - RMG	REVISED -
	DATE -	REVISED -

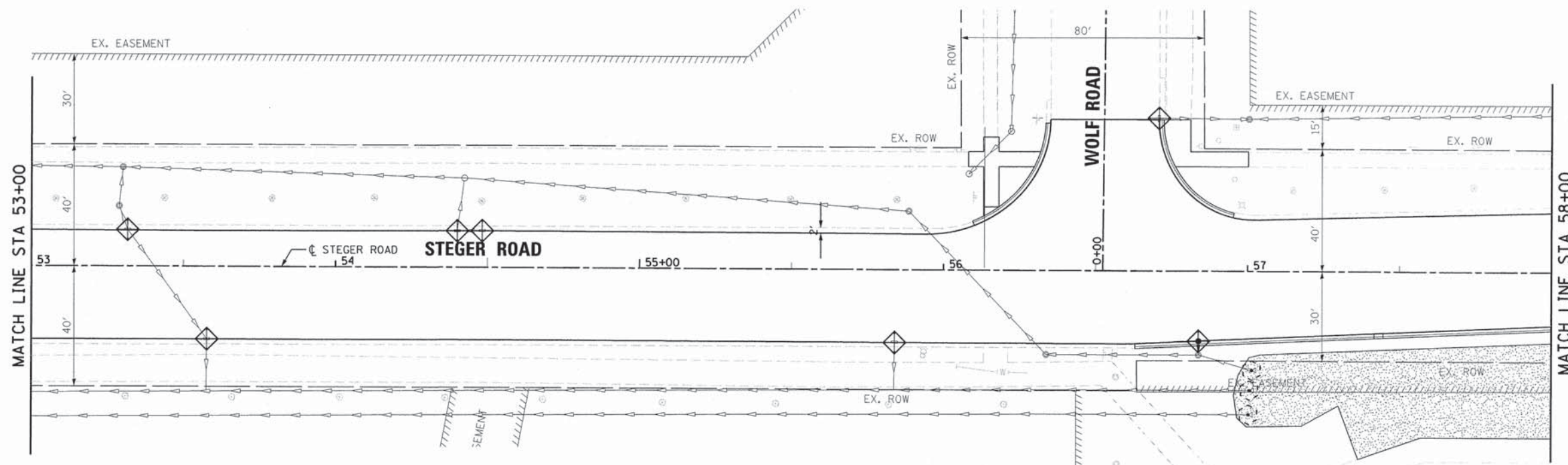
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

EROSION CONTROL PLAN

SCALE: 1" = 20' SHEET 5 OF 9 SHEETS STA. 43+00.00 TO STA. 53+00.00

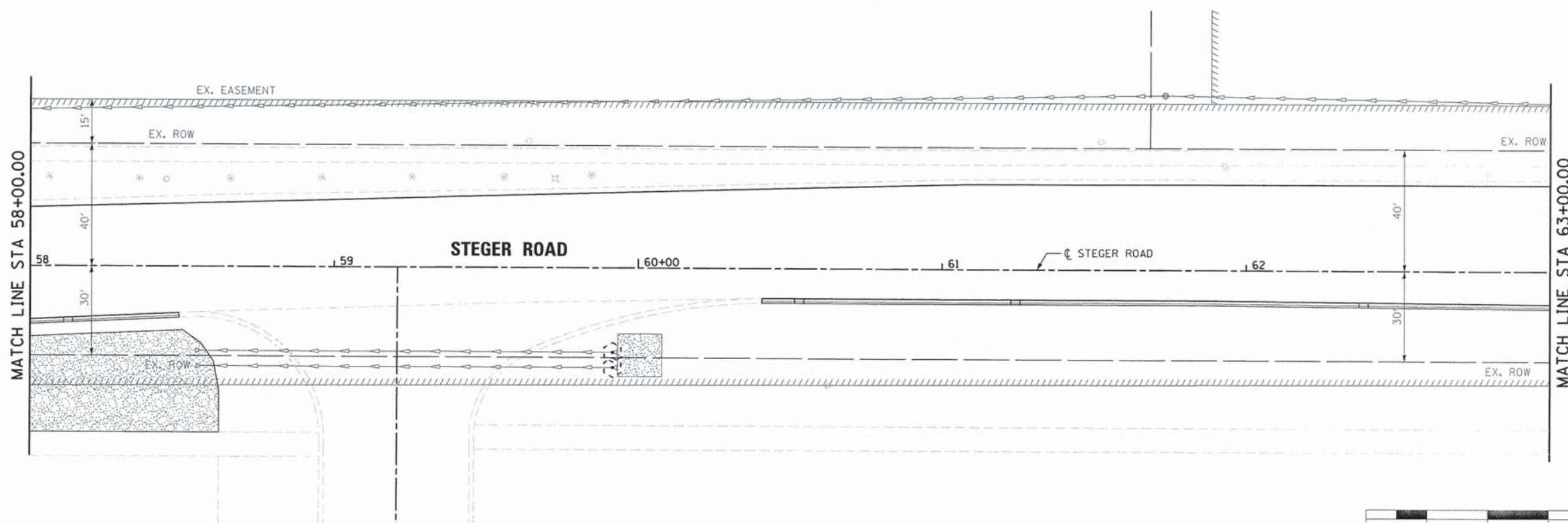
F.A. RTE. 1634	SECTION 11-00047-00-FP	COUNTY WILL	TOTAL SHEETS 148	SHEET NO. 53
CONTRACT NO. 61C70				
ILLINOIS FED. AID PROJECT				

80843-sh1-eros05.dgn



LEGEND

- SEEDING, CLASS 2A AND EROSION CONTROL BLANKET
- ARTICULATED BLOCK REVETMENT MAT
- INLET FILTERS
- INLET AND PIPE PROTECTION
- TEMPORARY DITCH CHECKS
- PROPOSED TREE
- PERIMETER EROSION BARRIER
- WASHOUT BASIN
- MULCH
- TEMPORARY FENCE



USER NAME = mbutler	DESIGNED - JIR	REVISED -
PLOT SCALE = 20,0000' / in.	DRAWN - JIR	REVISED -
PLOT DATE = 2/1/2016	CHECKED - RMG	REVISED -
	DATE -	REVISED -

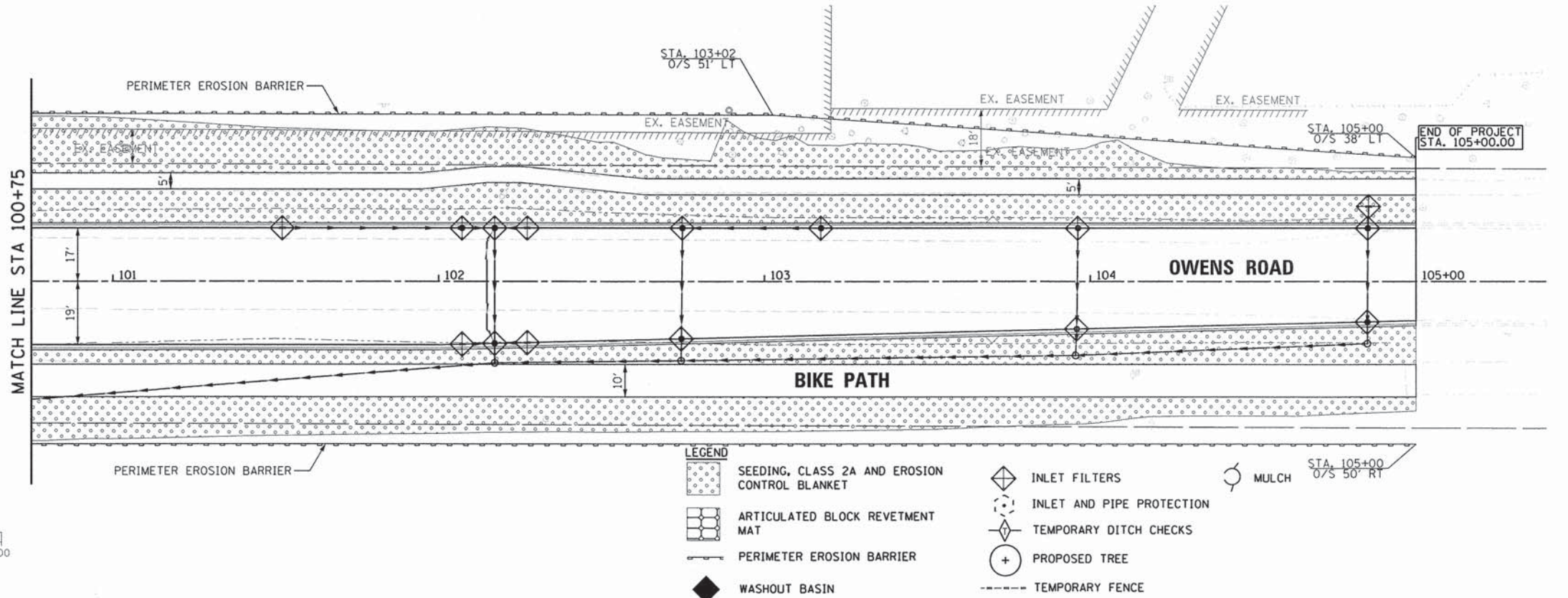
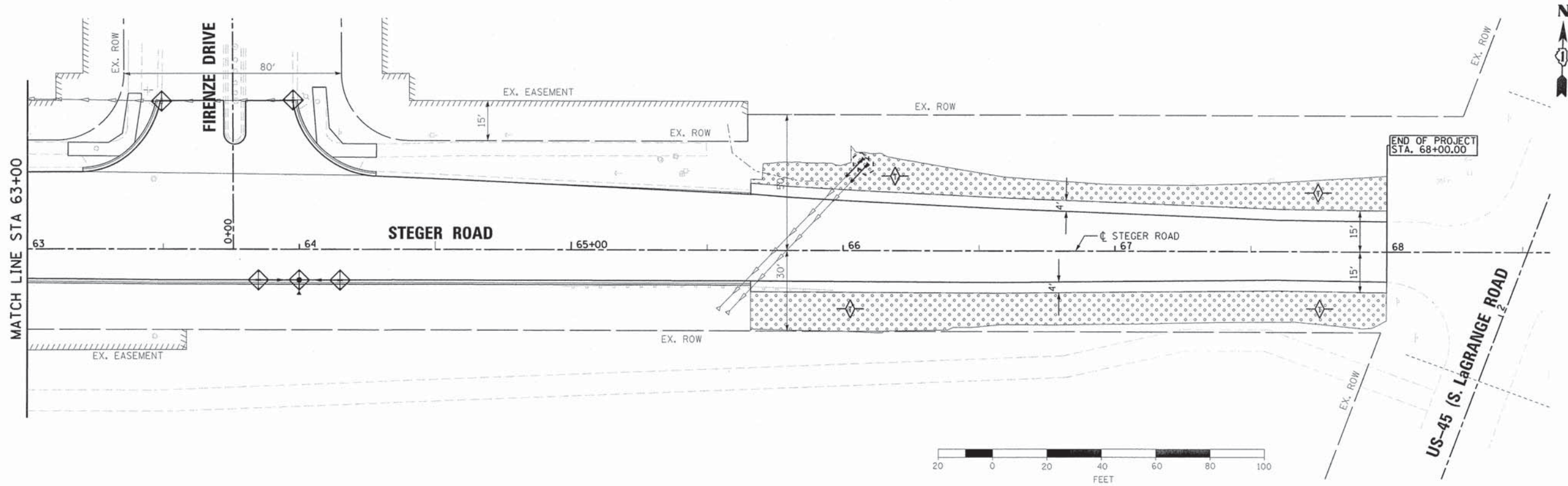
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EROSION CONTROL PLAN

SCALE: 1" = 20' SHEET 6 OF 9 SHEETS STA. 53+00.00 TO STA. 63+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1634	11-00047-00-FP	WILL	148	54
CONTRACT NO. 61C70				
ILLINOIS FED. AID PROJECT				

00043-sht-eros06.dgn



LEGEND

	SEEDING, CLASS 2A AND EROSION CONTROL BLANKET		INLET FILTERS		MULCH
	ARTICULATED BLOCK REVETMENT MAT		INLET AND PIPE PROTECTION		PROPOSED TREE
	PERIMETER EROSION BARRIER		TEMPORARY DITCH CHECKS		TEMPORARY FENCE
	WASHOUT BASIN				



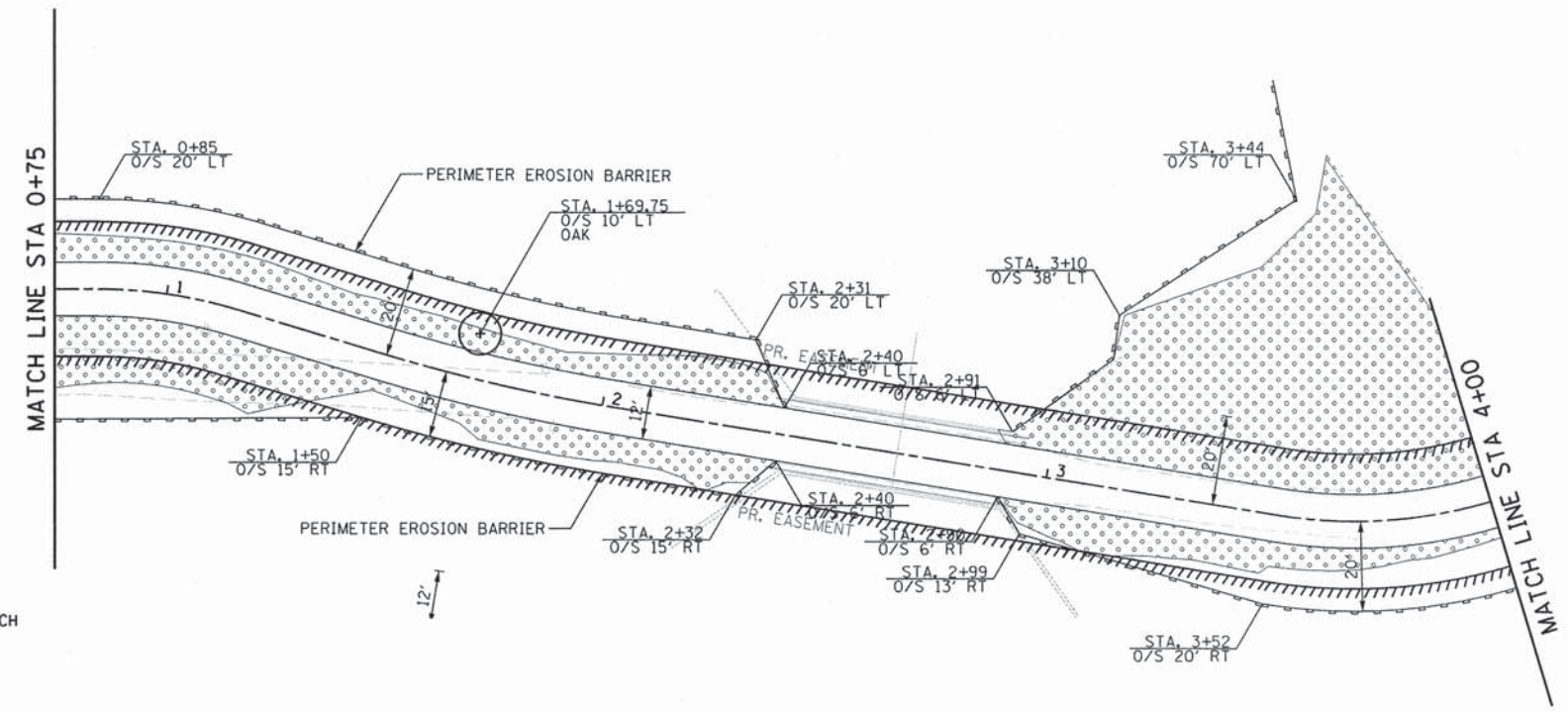
USER NAME = mxbutler	DESIGNED - JIR	REVISED -
PLOT SCALE = 20.0000' / in.	DRAWN - JIR	REVISED -
PLOT DATE = 2/1/2016	CHECKED - RMG	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

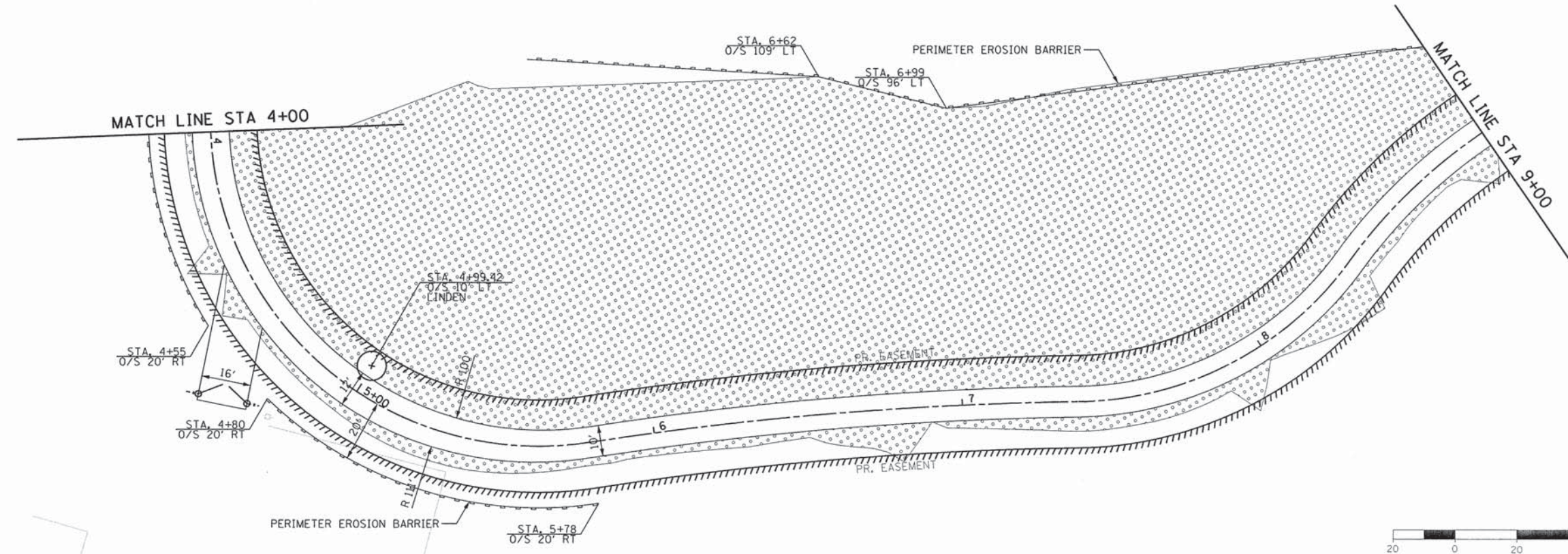
EROSION CONTROL PLAN
SCALE: 1" = 20' SHEET 7 OF 9 SHEETS STA. 63+00.00 TO STA. 68+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1634	11-00047-00-FP	WILL	148	55
CONTRACT NO. 61C70				
ILLINOIS FED. AID PROJECT				

80043-shr-eros07.dgn



- LEGEND**
- SEEDING, CLASS 2A AND EROSION CONTROL BLANKET
 - ARTICULATED BLOCK REVETMENT MAT
 - PERIMETER EROSION BARRIER
 - WASHOUT BASIN
 - INLET FILTERS
 - INLET AND PIPE PROTECTION
 - TEMPORARY DITCH CHECKS
 - PROPOSED TREE
 - TEMPORARY FENCE
 - MULCH



USER NAME = mxbutler	DESIGNED - JIR	REVISED -
PLOT SCALE = 20.0000' / in.	DRAWN - JIR	REVISED -
PLOT DATE = 2/1/2016	CHECKED - RMG	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**











EROSION CONTROL PLAN

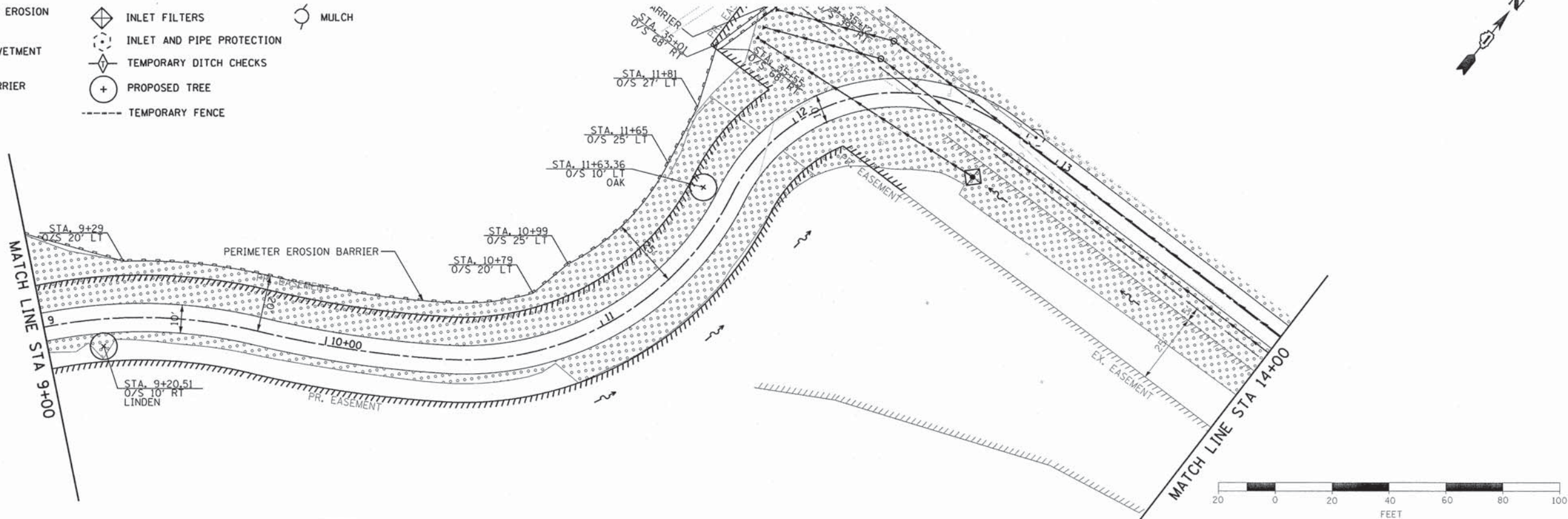
SCALE: 1" = 20' SHEET 8 OF 9 SHEETS STA. 0+00.00 TO STA. 9+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1634	11-00047-00-FP	WILL	148	56
CONTRACT NO. 61C70			ILLINOIS FED. AID PROJECT	

80043-sh1-eros88.dgn

LEGEND

-  SEEDING, CLASS 2A AND EROSION CONTROL BLANKET
-  ARTICULATED BLOCK REVETMENT MAT
-  PERIMETER EROSION BARRIER
-  WASHOUT BASIN
-  INLET FILTERS
-  INLET AND PIPE PROTECTION
-  TEMPORARY DITCH CHECKS
-  PROPOSED TREE
-  TEMPORARY FENCE
-  MULCH



USER NAME = mxbutler	DESIGNED - JIR	REVISED -
PLOT SCALE = 28.0000' / in.	DRAWN - JIR	REVISED -
PLOT DATE = 2/1/2016	CHECKED - RMG	REVISED -
	DATE -	REVISED -

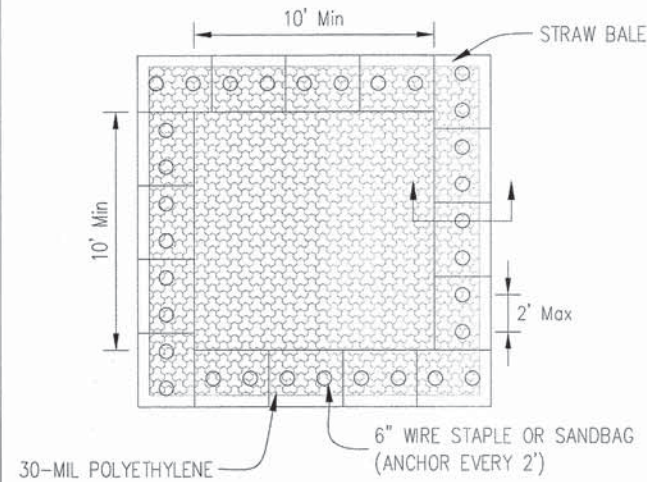
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

EROSION CONTROL PLAN

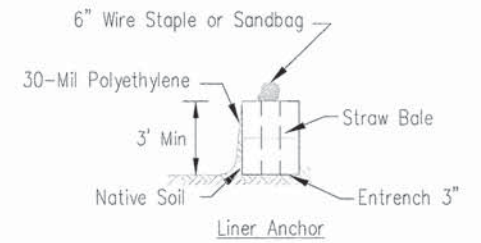
SCALE: 1" = 20' SHEET 9 OF 9 SHEETS STA. 9+00.00 TO STA. 14+00

F.A. RTE. 1634	SECTION 11-00047-00-FP	COUNTY WILL	TOTAL SHEETS 148	SHEET NO. 57
CONTRACT NO. 61C70				
ILLINOIS FED. AID PROJECT				

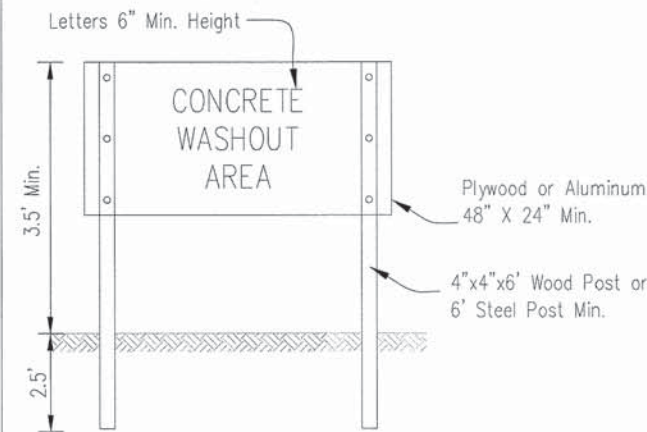
80043-sh1-eros01.dgn



PLAN VIEW



STRAW BALE ANCHOR SECTIONS



SIGN DETAIL

NOTES:

1. Maintaining temporary concrete washout facilities shall include removing and disposing of hardened concrete and/or slurry and returning the facilities to a functional condition.
2. Facility shall be cleaned or reconstructed in a new area once washout becomes two-thirds full.
3. Each straw bale is to be staked in place using (2) 2"x2"x4' wooden stakes.
4. THIS WORK IS TO BE PAID FOR AS WASHOUT BASIN

Sheet 1 of 3 85959-111 11/11/16	TEMPORARY CONCRETE WASHOUT FACILITY - STRAW BALE		Designed _____	Date _____
			Drawn B. JOHNSON	6/08
			Checked _____	
			Approved _____	



USER NAME = mxbutler	DESIGNED - JIR	REVISED -
PLOT SCALE = 1/8" = 1' / in.	DRAWN - JIR	REVISED -
PLOT DATE = 2/1/2016	CHECKED - RMG	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

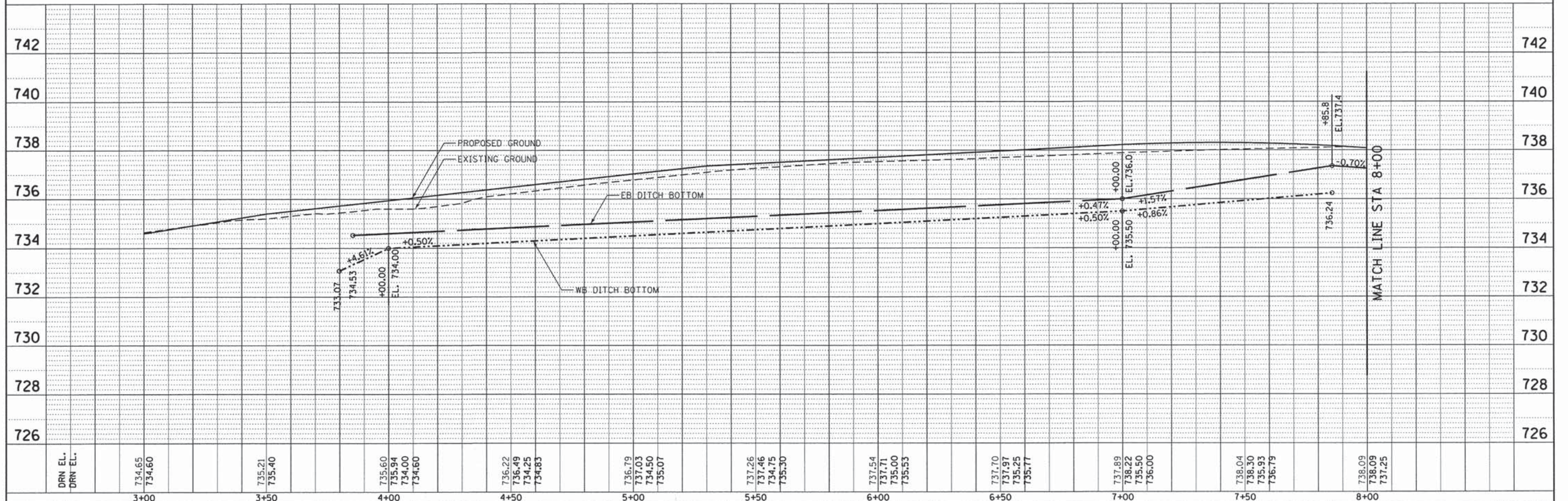
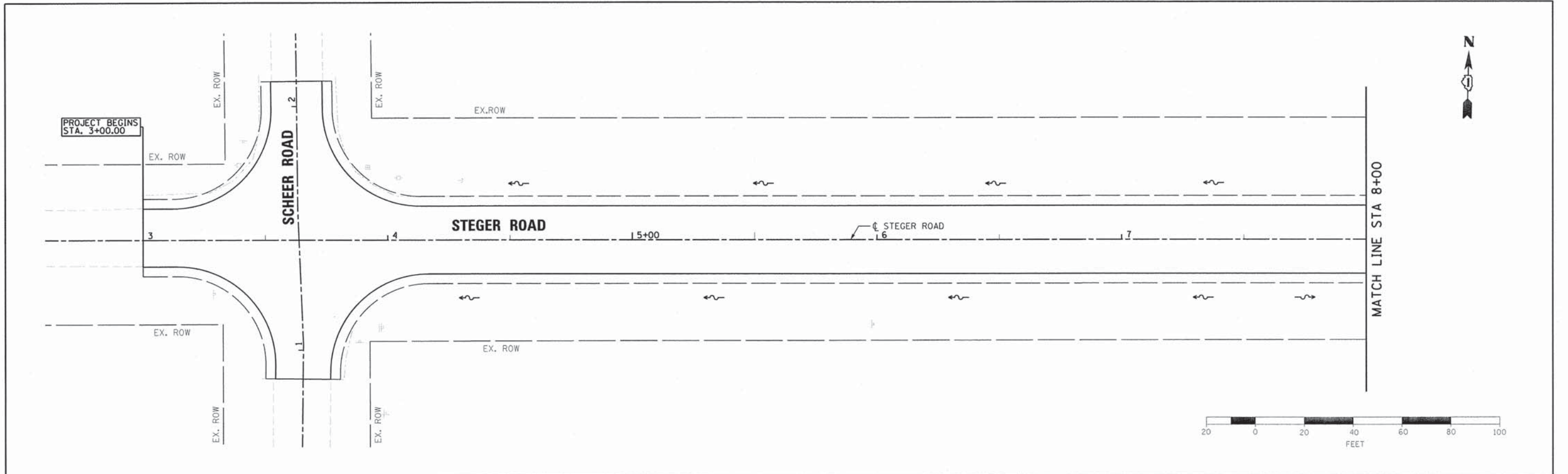
EROSION CONTROL DETAILS

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1634	11-00047-00-FP	WILL	148	58
CONTRACT NO. 61C70				
ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	BY	DATE
	PLOTTED		
	DESIGNED		
	CHECKED		
	DATE		
	PROJECT		
	NO.		

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	DESIGNED		
	CHECKED		
	DATE		
	PROJECT		
	NO.		



DRN EL. DRN EL.	734.65 734.60	735.21 735.40	735.60 735.94 734.00 734.60	736.22 736.49 734.25 734.83	736.79 737.03 734.50 735.07	737.26 737.46 734.75 735.30	737.54 737.71 735.00 735.53	737.70 737.97 735.25 735.77	737.89 738.22 735.50 736.00	738.04 738.30 735.93 736.79	738.09 738.09 737.25
	3+00	3+50	4+00	4+50	5+00	5+50	6+00	6+50	7+00	7+50	8+00

**BURNS
MCDONNELL**

USER NAME = msbutler	DESIGNED - JIR	REVISED -
	DRAWN - JIR	REVISED -
PLOT SCALE = 20.0000' / 1"	CHECKED - RMG	REVISED -
PLOT DATE = 2/1/2016	DATE - 02/01/2016	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

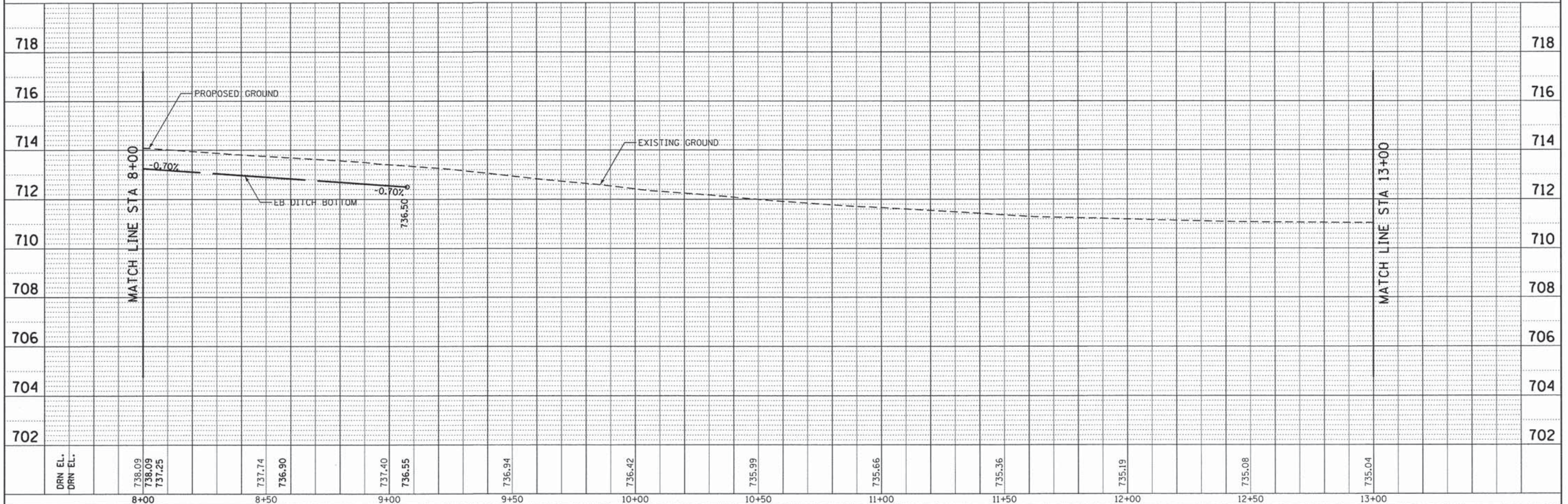
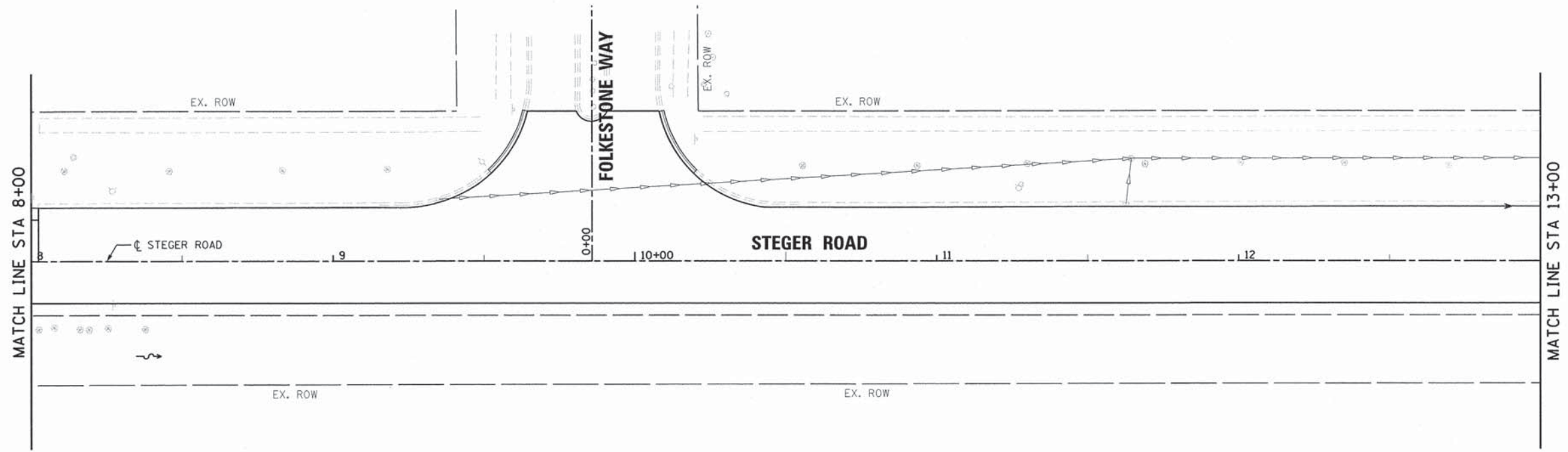
DRAINAGE AND UTILITY
PLAN AND PROFILE
SCALE: 1" = 20' SHEET 1 OF 14 SHEETS STA. 3+00.00 TO STA. 8+00.00

F.A. RTE. 1634	SECTION 11-00047-00-FP	COUNTY WILL	TOTAL SHEETS 148	SHEET NO. 59
CONTRACT NO. 61C70				
ILLINOIS FED. AID PROJECT				

80043-shd-d-ein01.dgn

PLAN	SURVEYED	BY	DATE
	PLOTTED		
	CHECKED		
	RT. OF WAY CHECKED		
	CADD FILE NAME		
	NO.		

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	CHECKED		
	RT. OF WAY CHECKED		
	STRUCTURE NOTATION CHKD		
	NO.		



DRN EL. DRN' EL.	738.09 738.09 737.25	737.74 736.90	737.40 736.55	736.94	736.42	735.99	735.66	735.36	735.19	735.08	735.04
	8+00	8+50	9+00	9+50	10+00	10+50	11+00	11+50	12+00	12+50	13+00



USER NAME = mxbutler	DESIGNED - JIR	REVISED -
PLOT SCALE = 20.0000' / in.	DRAWN - JIR	REVISED -
PLOT DATE = 2/1/2016	CHECKED - RMG	REVISED -
	DATE - 02/01/2016	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

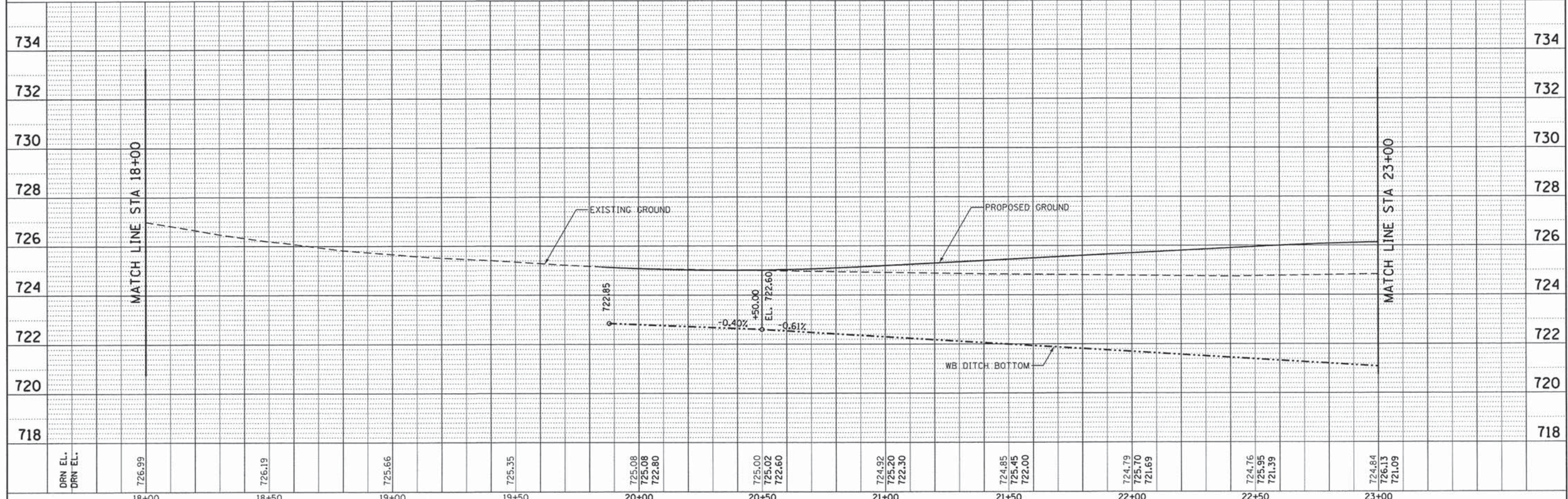
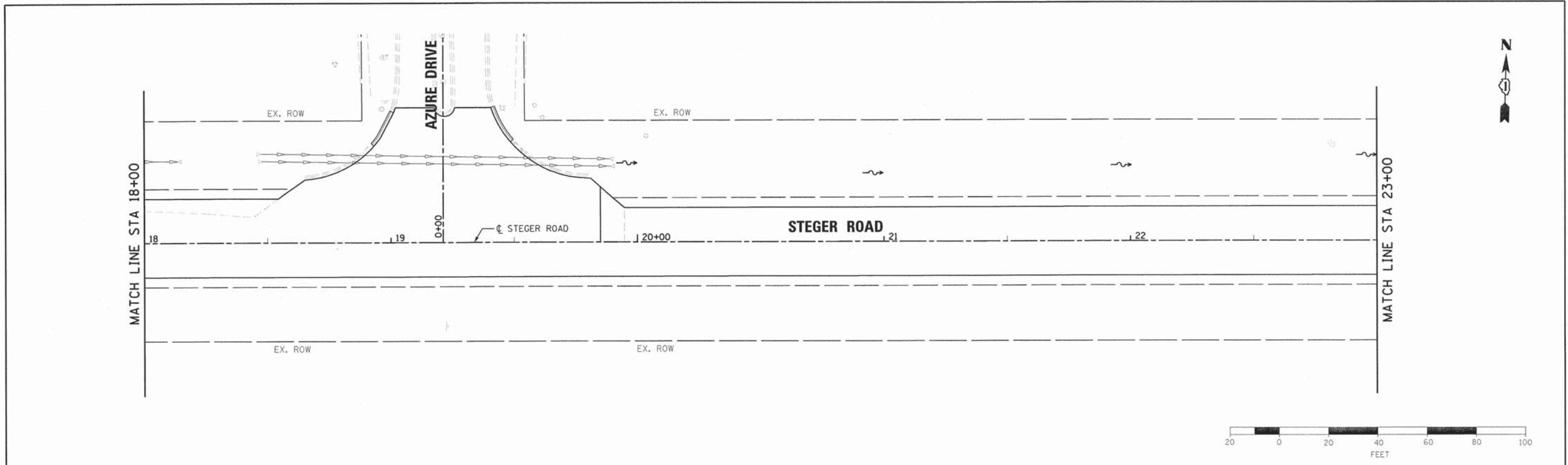
DRAINAGE AND UTILITY
PLAN AND PROFILE

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1634	11-00047-00-FP	WILL	148	60
CONTRACT NO. 61C70				
ILLINOIS FED. AID PROJECT				

SCALE: 1" = 20' SHEET 2 OF 14 SHEETS STA. 8+00.00 TO STA. 13+00.00

PLAN	SURVEYED	BY	DATE
	PLOTTED		
	CHECKED		
	RT. OF WAY CHECKED		
	NO. _____		
	FILE NAME		

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	CHECKED		
	STRUCTURE NOTATIONS CHECKED		
	NO. _____		

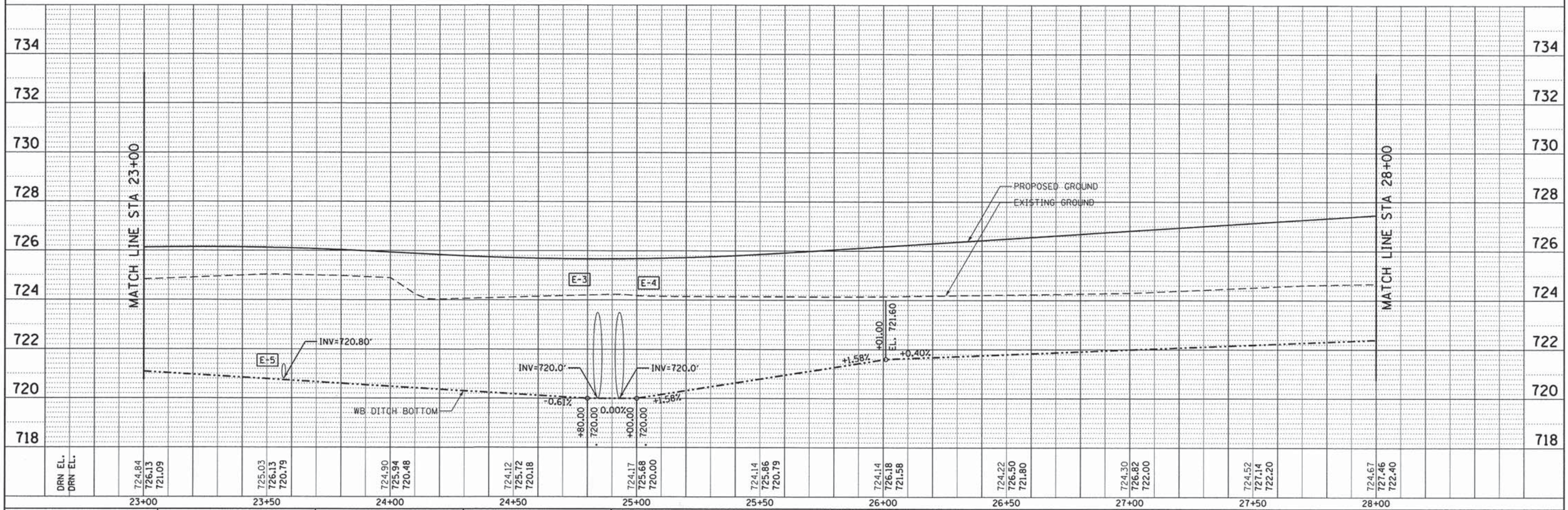
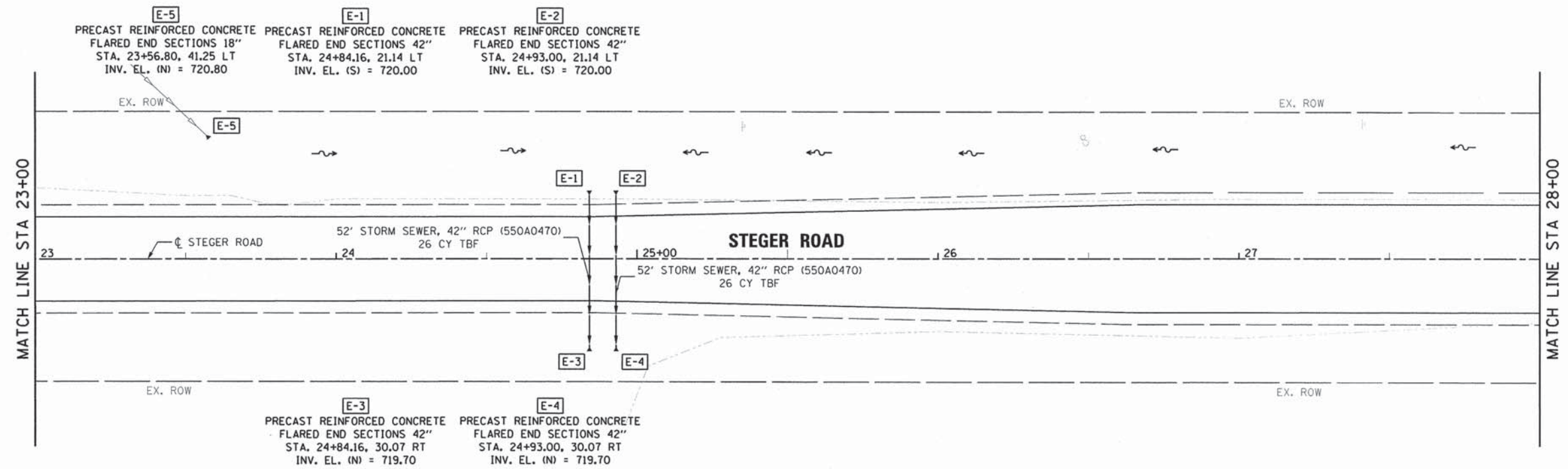


	USER NAME = mxbutler	DESIGNED - JIR	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DRAINAGE AND UTILITY PLAN AND PROFILE	F.A. RTE. 1634	SECTION 11-00047-00-FP	COUNTY WILL	TOTAL SHEETS 148	SHEET NO. 62			
	PLOT SCALE = 20.0000' / 1" =	DRAWN - JIR	REVISED -			SCALE: 1" = 20'	SHEET 4 OF 14 SHEETS	STA. 18+00.00 TO STA. 23+00.00	ILLINOIS FED. AID PROJECT				
	PLOT DATE = 2/1/2016	CHECKED - RMG	REVISED -										
	DATE - 02/01/2016	REVISOR -	REVISED -										

80043-shd-drain04.dgn

PLAN	SURVEYED	DATE
	PLOTTED	
	CHECKED	
	BY	
	NO.	
	ADD FILE NAME	

PROFILE	SURVEYED	DATE
	PLOTTED	
	CHECKED	
	BY	
	NO.	
	ADD FILE NAME	



DRN EL.	724.84	725.03	724.90	724.12	724.17	724.14	724.14	724.22	724.30	724.52	724.67
DRN EL.	726.13	726.13	725.94	725.72	725.68	726.18	726.18	726.50	726.82	727.14	727.46
	721.09	720.79	720.48	720.18	720.00	720.79	721.58	721.80	722.00	722.20	722.40
	23+00	23+50	24+00	24+50	25+00	25+50	26+00	26+50	27+00	27+50	28+00



USER NAME = mxbutler	DESIGNED - MJB	REVISED -
	DRAWN - MJB	REVISED -
PLLOT SCALE = 20.0000' / 1"	CHECKED - RMG	REVISED -
PLLOT DATE = 2/1/2016	DATE - 02/01/2016	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE AND UTILITY
PLAN AND PROFILE

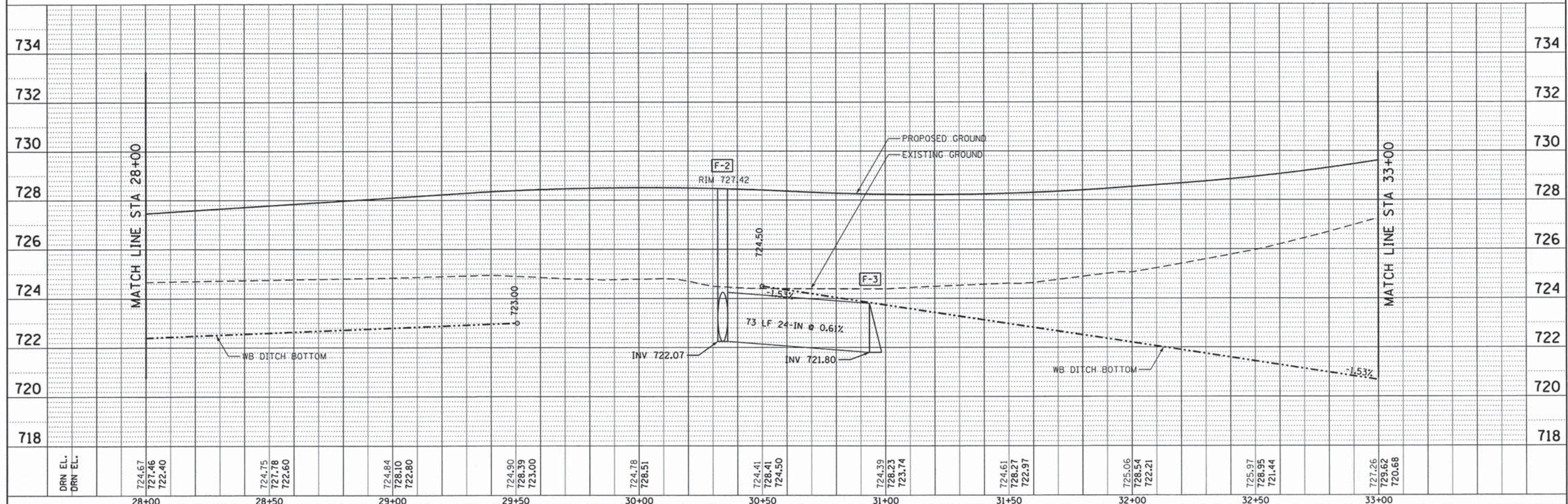
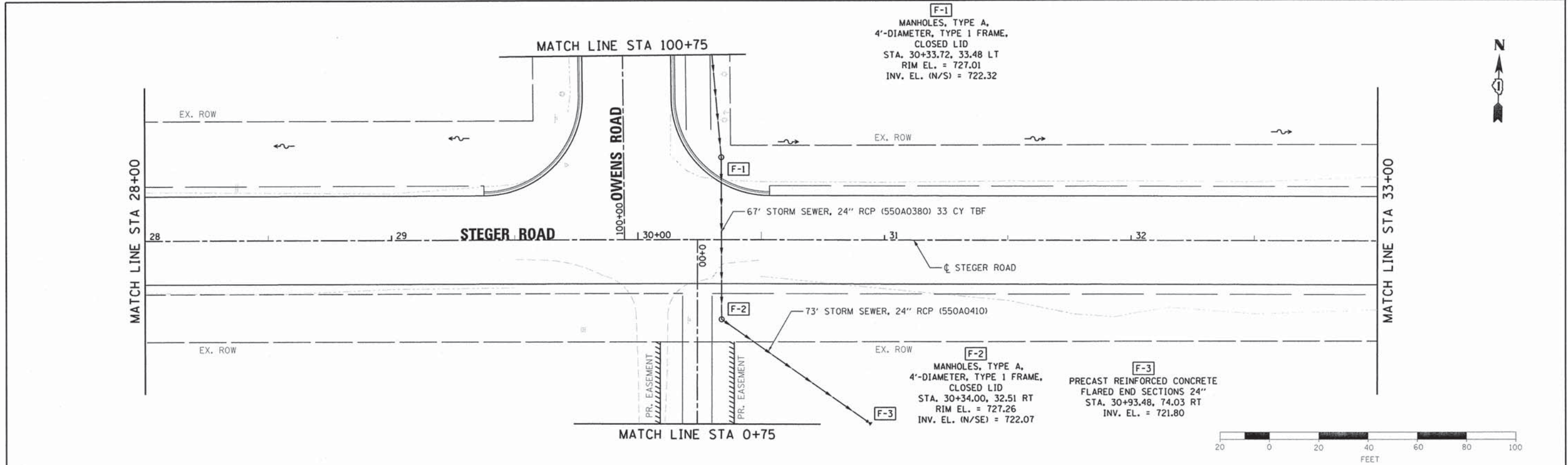
SCALE: 1" = 20' SHEET 5 OF 14 SHEETS STA. 23+00.00 TO STA. 28+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1634	11-00047-00-FP	WILL	148	63
CONTRACT NO. 61C70				
ILLINOIS FED. AID PROJECT				

88043-sh1-drain05.dgn

PLAN	SURVEYED	DATE
	PLOTTED	
	NOTED	
	FILED	
	BY	
	NO.	

PROFILE	SURVEYED	DATE
	PLOTTED	
	NOTED	
	FILED	
	BY	
	NO.	



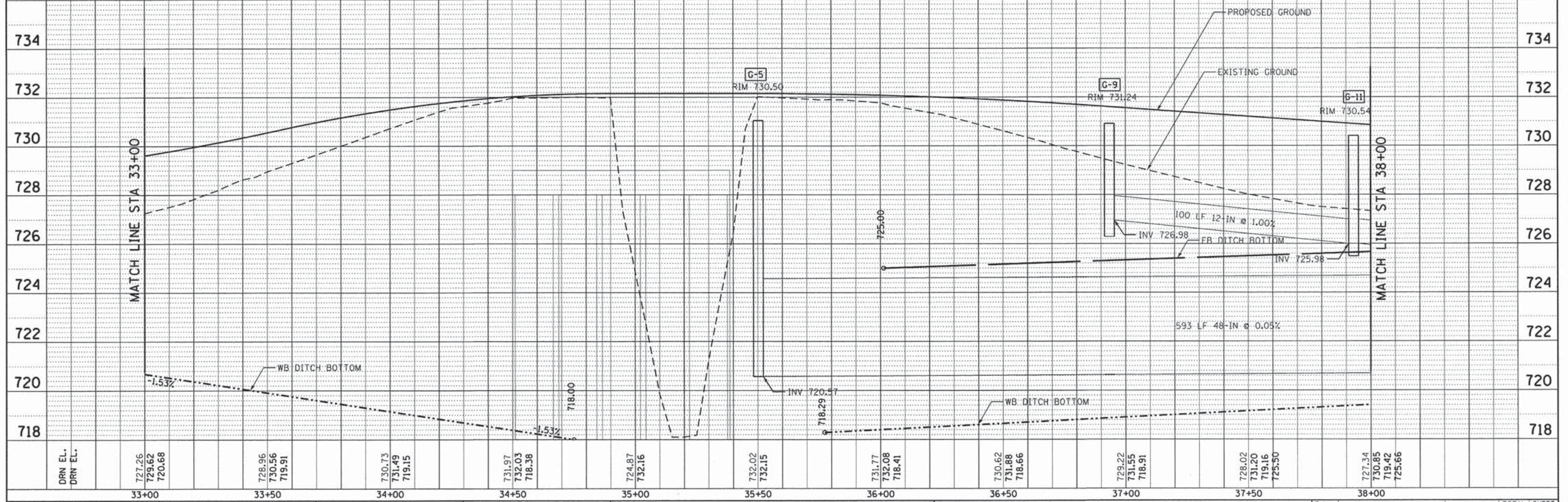
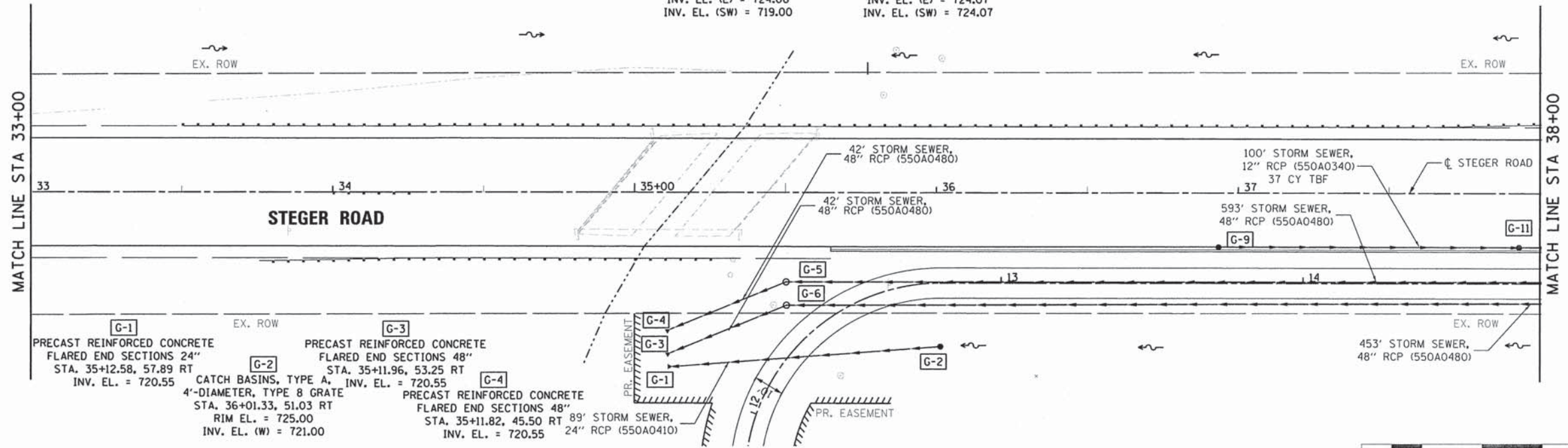
BURNS & MCDONNELL	USER NAME = mxbutler	DESIGNED - JIR	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DRAINAGE AND UTILITY PLAN AND PROFILE	F.A. RTE. 1634	SECTION 11-00047-00-FP	COUNTY WILL	TOTAL SHEETS 148	SHEET NO. 64
	PLOT SCALE = 20,0000' / 1"	CHECKED - RMG	REVISED -			CONTRACT NO. 61C70				
	PLOT DATE = 2/1/2016	DATE - 02/01/2016	REVISED -			ILLINOIS FED. AID PROJECT				
	SCALE: 1" = 20'					SHEET 6 OF 14 SHEETS STA. 28+00.00 TO STA. 33+00.00				

80043-sh1-dr-01n06.dgn

PLAN	SURVEYED	BY	DATE
	PLOTTED		
	CHECKED		
	RT. OF WAY CHECKED		
	FILED		
	ADD FILE NAME		
	NO.		

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	CHECKED		
	STRUCTURE NOTATIONS CHECKED		
	NO.		

- G-5**
MANHOLES, TYPE A,
7'-DIAMETER, TYPE 1 FRAME,
CLOSED LID
STA. 35+50.21, 29.73 RT
RIM EL. = 730.50
INV. EL. (E) = 724.06
INV. EL. (SW) = 719.00
- G-6**
MANHOLES, TYPE A,
7'-DIAMETER, TYPE 1 FRAME,
CLOSED LID
STA. 35+50.35, 37.48 RT
RIM EL. = 730.50
INV. EL. (E) = 724.07
INV. EL. (SW) = 724.07
- G-9**
CATCH BASINS, TYPE A,
4'-DIAMETER, TYPE 11V F&G
STA. 36+93.49, 18.00 RT
RIM EL. = 731.24
INV. EL. = 726.98
- G-11**
CATCH BASINS, TYPE A,
4'-DIAMETER, TYPE 11V F&G
STA. 37+93.07, 18.00 RT
RIM EL. = 730.54
INV. EL. (E/W) = 725.98



DRN EL. DRN EL.	727.26 729.62 720.68	728.96 730.56 719.91	730.73 731.49 719.15	731.97 732.03 718.38	724.87 732.16	732.02 732.15	731.77 732.08 718.41	730.62 731.88 718.66	729.22 731.55 718.91	728.02 731.20 719.16 725.50	727.34 730.85 719.42 725.66
	33+00	33+50	34+00	34+50	35+00	35+50	36+00	36+50	37+00	37+50	38+00

**BURNS
MCDONNELL**

USER NAME = mxbutler	DESIGNED - JIR	REVISED -
PLLOT SCALE = 20.0000' / 1" =	DRAWN - JIR	REVISED -
PLLOT DATE = 2/1/2016	CHECKED - RMG	REVISED -
	DATE - 02/01/2016	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DRAINAGE AND UTILITY
PLAN AND PROFILE**

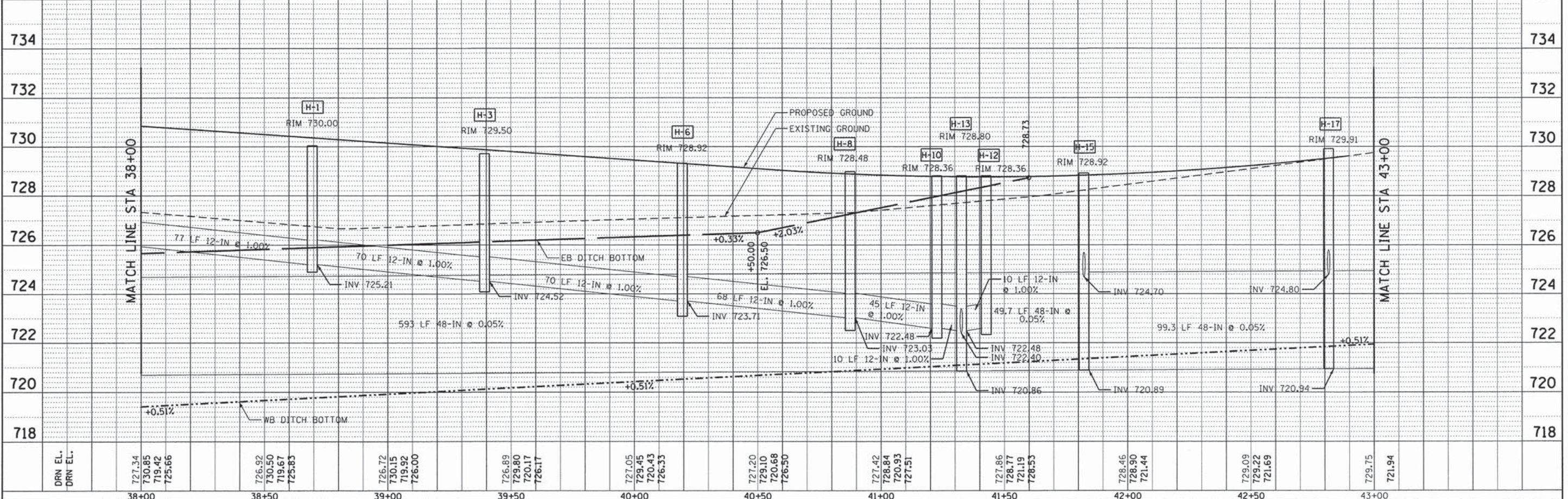
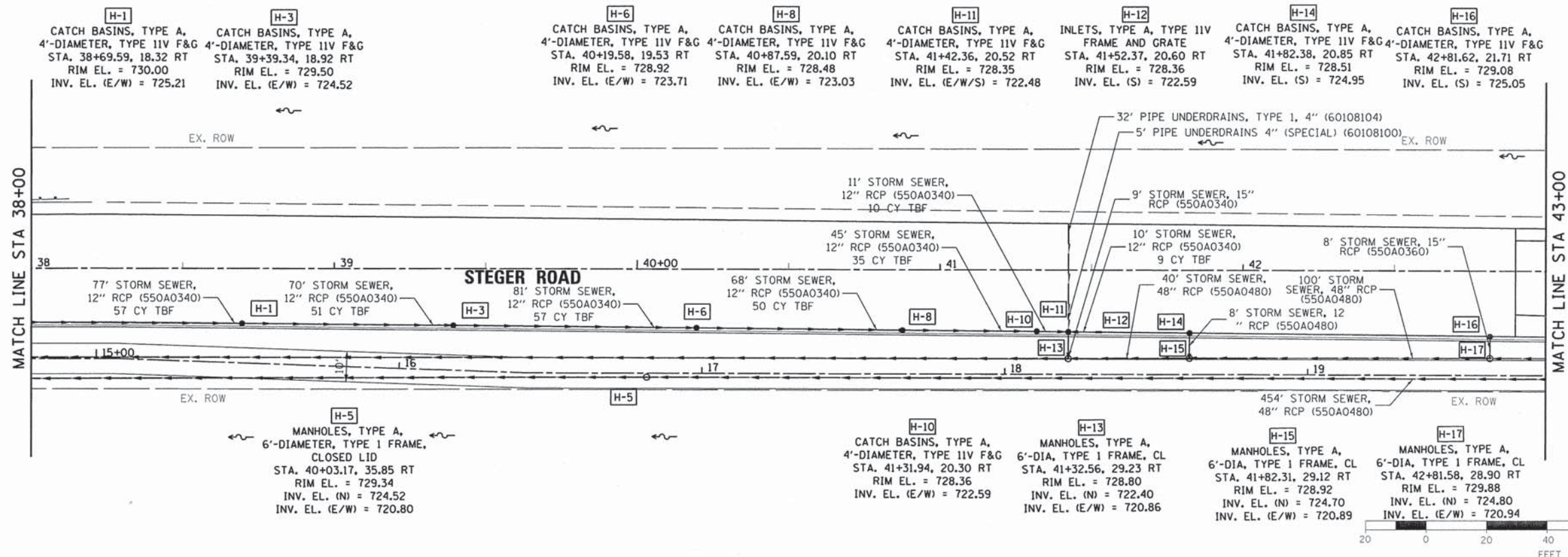
F.A. RTE. 1634	SECTION 11-00047-00-FP	COUNTY WILL	TOTAL SHEETS 148	SHEET NO. 65
CONTRACT NO. 61C70			ILLINOIS FED. AID PROJECT	

SCALE: 1" = 20' SHEET 7 OF 14 SHEETS STA. 33+00.00 TO STA. 38+00.00

82043-sh1-drain07.dgn

DATE: _____ BY: _____
 SURVEYED: _____
 ALIGNED: _____
 CHECKED: _____
 NO. _____
 FILE NAME: _____

DATE: _____ BY: _____
 SURVEYED: _____
 GRADES CHECKED: _____
 STRUCTURE: _____
 NO. _____
 FILE NAME: _____



DRN EL.	727.34	726.92	726.72	726.89	727.05	727.20	727.42	727.86	727.86	728.46	729.09	729.75						
DRN EL.	730.85	730.50	730.15	729.80	729.45	729.10	728.84	728.77	728.77	728.46	729.09	729.75						
	719.42	719.67	719.92	720.17	720.43	720.68	720.93	721.19	721.19	721.44	721.69	721.94						
	725.66	725.83	726.00	726.17	726.33	726.50	727.51	728.53	728.53	721.44	721.69	721.94						



USER NAME = mxbutler
 DESIGNED - JIR
 DRAWN - JIR
 CHECKED - RMG
 DATE - 02/01/2016

REVISED -
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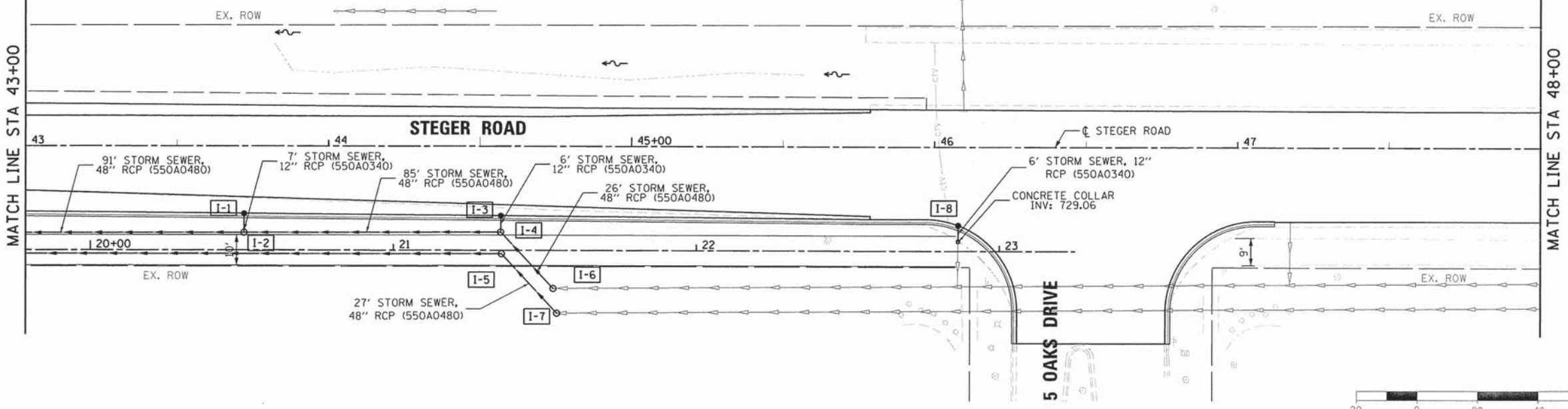
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SCALE: 1" = 20'
 SHEET 8 OF 14 SHEETS
 STA. 38+00.00 TO STA. 43+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1634	11-00047-00-FP	WILL	148	66
CONTRACT NO. 61C70				
ILLINOIS FED. AID PROJECT				

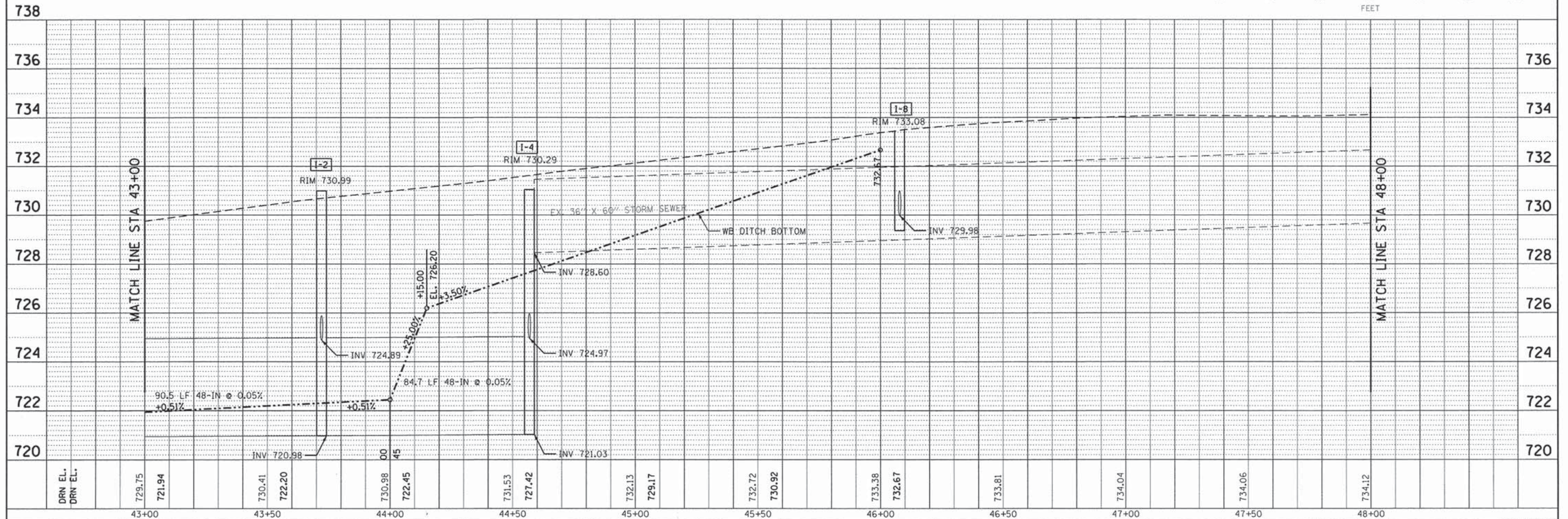
80043-shd-drain08.dgn

- I-1** CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 11V F&G STA. 43+72.15, 22.38 RT RIM EL. = 730.23 INV. EL. (S) = 724.14
- I-2** MANHOLES, TYPE A, 6'-DIA, TYPE 1 FRAME, CL STA. 43+72.10, 28.71 RT RIM EL. = 730.97 INV. EL. (N) = 724.89 INV. EL. (E/W) = 720.98
- I-3** CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 11V F&G STA. 44+56.93, 23.07 RT RIM EL. = 731.16 INV. EL. (S) = 725.22
- I-4** MANHOLES, TYPE A, 7'-DIA, TYPE 1 FRAME, CL STA. 42+81.48, 47.02 RT RIM EL. = 731.95 INV. EL. (SE) = 724.97 INV. EL. (W) = 721.03
- I-5** MANHOLES, TYPE A, 7'-DIA, TYPE 1 FRAME, CL STA. 44+57.08, 35.63 RT RIM EL. = 732.11 INV. EL. (E/W) = 724.97
- I-6** MANHOLES, TYPE A, 7'-DIA, TYPE 1 FRAME, CL STA. 44+74.14, 47.06 RT RIM EL. = 732.42 INV. EL. (E/NW) = 728.43
- I-7** MANHOLES, TYPE A, 7'-DIA, TYPE 1 FRAME, CL STA. 44+75.35, 55.25 RT RIM EL. = 732.52 INV. EL. (E/NW) = 728.46
- I-8** CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 11V F&G STA. 46+07.83, 25.97 RT RIM EL. = 733.08 INV. EL. (S) = 729.11



PLAN	SUBMITTED	DATE
	PLOTTED	
	CHECKED	
	BY	
	NO.	
	FILE NAME	

PROFILE	SUBMITTED	DATE
	PLOTTED	
	CHECKED	
	BY	
	NO.	
	FILE NAME	



BURNS MCDONNELL	USER NAME = mxbutler	DESIGNED - JIR	REVISED -
	PLOT SCALE = 20.0000' / in.	DRAWN - JIR	REVISED -
	PLOT DATE = 2/1/2016	CHECKED - RMG	REVISED -
		DATE - 02/01/2016	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DRAINAGE AND UTILITY
PLAN AND PROFILE**

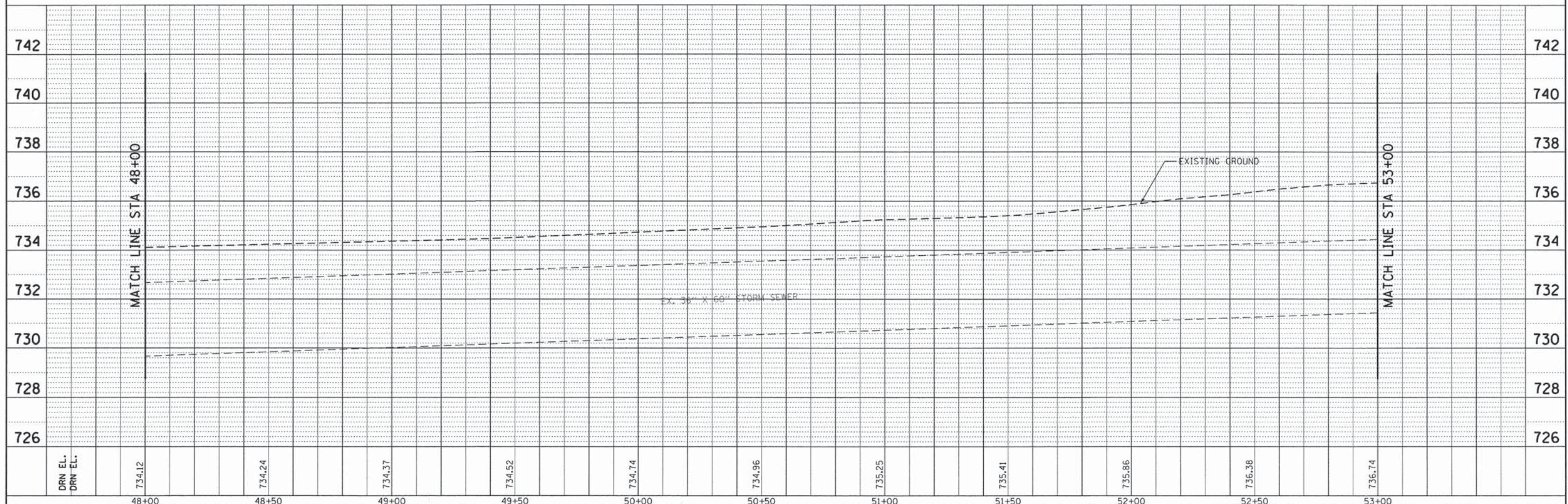
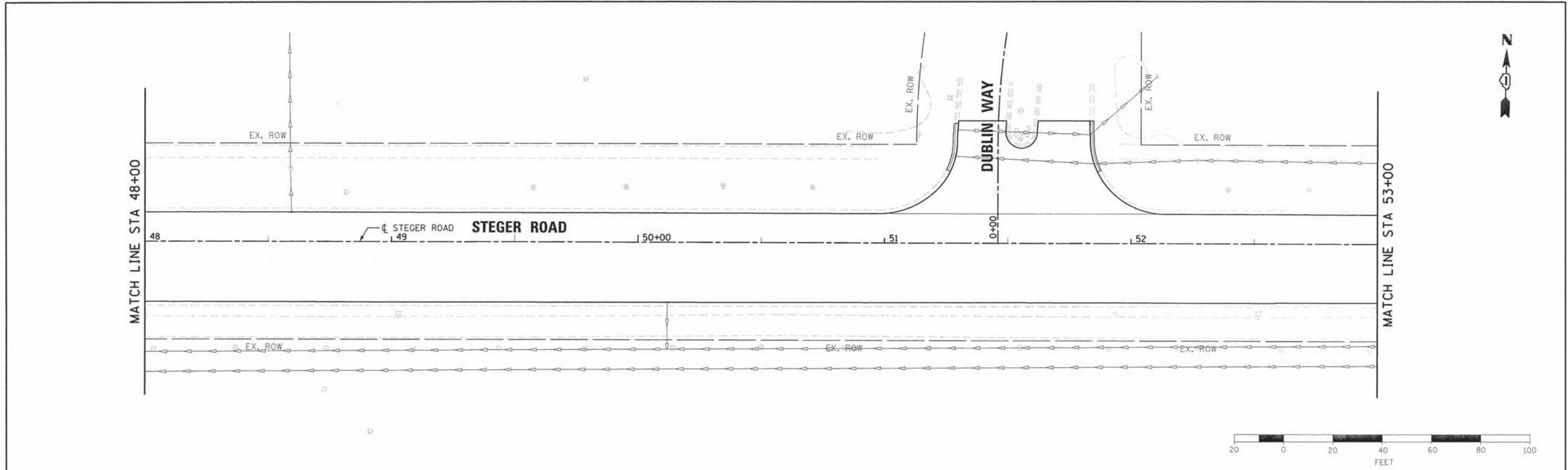
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1634	11-00047-00-FP	WILL	148	67
CONTRACT NO. 61C70			ILLINOIS FED. AID PROJECT	

SCALE: 1" = 20' SHEET 9 OF 14 SHEETS STA. 43+00.00 TO STA. 48+00.00

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PLAN	SURVEYED	BY	DATE
	PLOTTED		
	CHECKED		
	REVISIONS		
	DATE		
	NO.		
	FILE NAME		

PROFILE	SURVEYED	BY	DATE
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	CHECKED		
	REVISIONS		
	DATE		
	NO.		
	FILE NAME		



DRN EL.	734.12	734.24	734.37	734.52	734.74	734.96	735.25	735.41	735.86	736.38	736.74
DRN EL.											
	48+00	48+50	49+00	49+50	50+00	50+50	51+00	51+50	52+00	52+50	53+00



USER NAME = msbutler	DESIGNED - JIR	REVISED -
PLLOT SCALE = 20.0000' / 1"	DRAWN - JIR	REVISED -
PLLOT DATE = 2/1/2016	CHECKED - RMG	REVISED -
	DATE - 02/01/2016	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

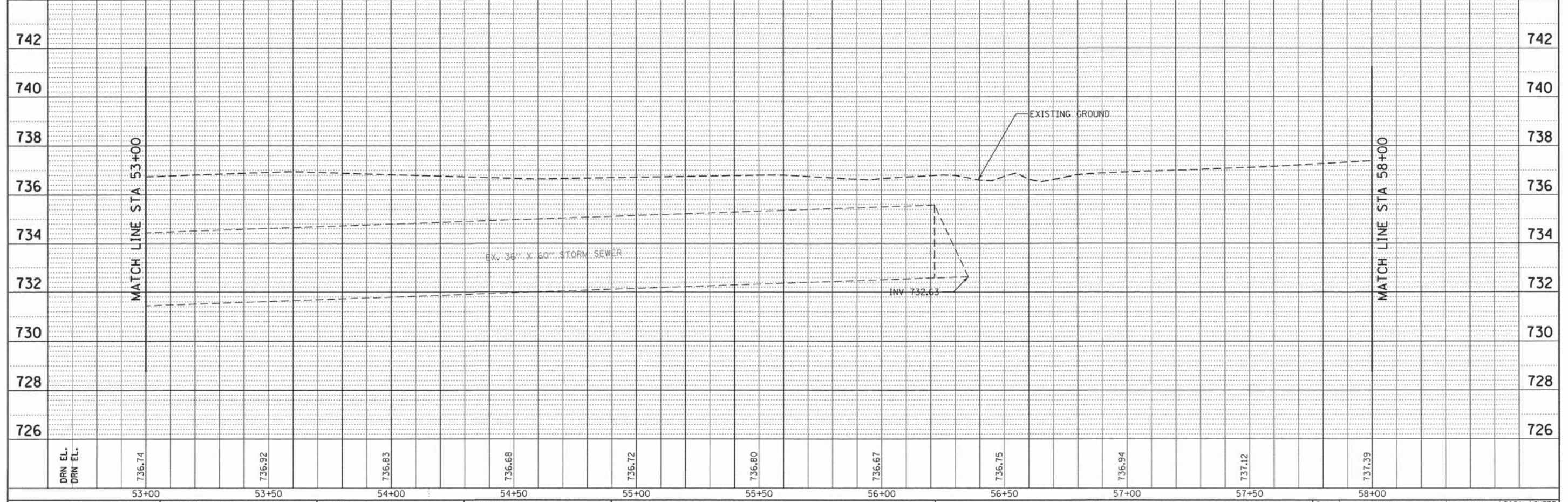
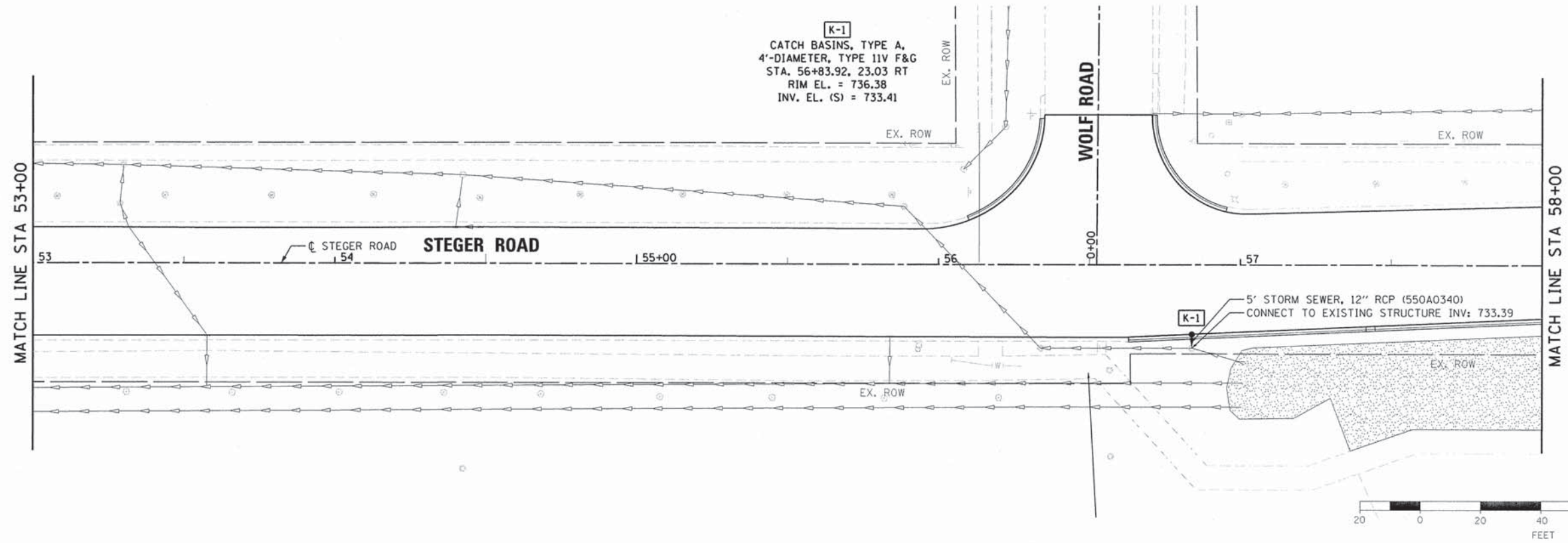
DRAINAGE AND UTILITY
PLAN AND PROFILE

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1634	11-00047-00-FP	WILL	148	68
CONTRACT NO. 61C70				
ILLINOIS FED. AID PROJECT				

SCALE: 1" = 20' SHEET 10 OF 14 SHEETS STA. 48+00.00 TO STA. 53+00.00

PLAN	SUBMITTED	BY	DATE
	PLOTTED		
	REVISIONS		
	ALL OF WHICH CHECKED		
	NO. _____		
	CADD FILE NAME		

PROFILE	SUBMITTED	BY	DATE
	PLOTTED		
	REVISIONS		
	ALL OF WHICH CHECKED		
	NO. _____		
	STRUCTURE NOTATION CHK'D		



DRN EL.	736.74	736.92	736.83	736.68	736.72	736.80	736.67	736.75	736.94	737.12	737.39
DRN EL.											
	53+00	53+50	54+00	54+50	55+00	55+50	56+00	56+50	57+00	57+50	58+00

BURNS & MCDONNELL

USER NAME = mxbutler	DESIGNED - JIR	REVISED -
PLLOT SCALE = 20.0000' / 1"	DRAWN - JIR	REVISED -
PLLOT DATE = 2/1/2016	CHECKED - RMG	REVISED -
	DATE - 02/01/2016	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

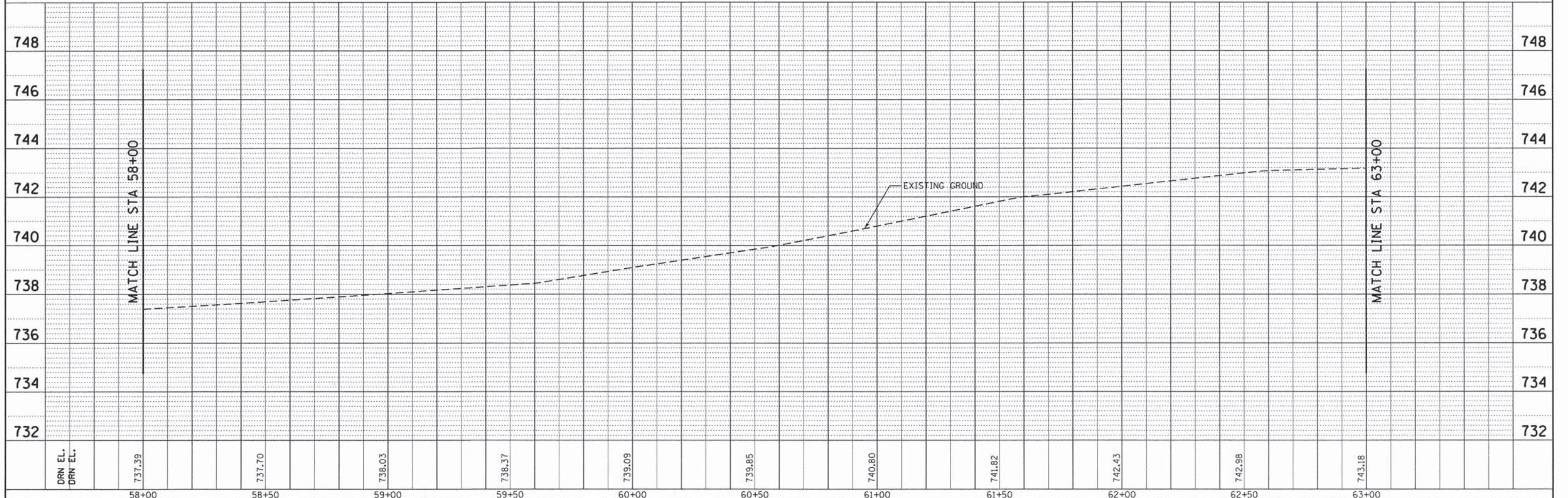
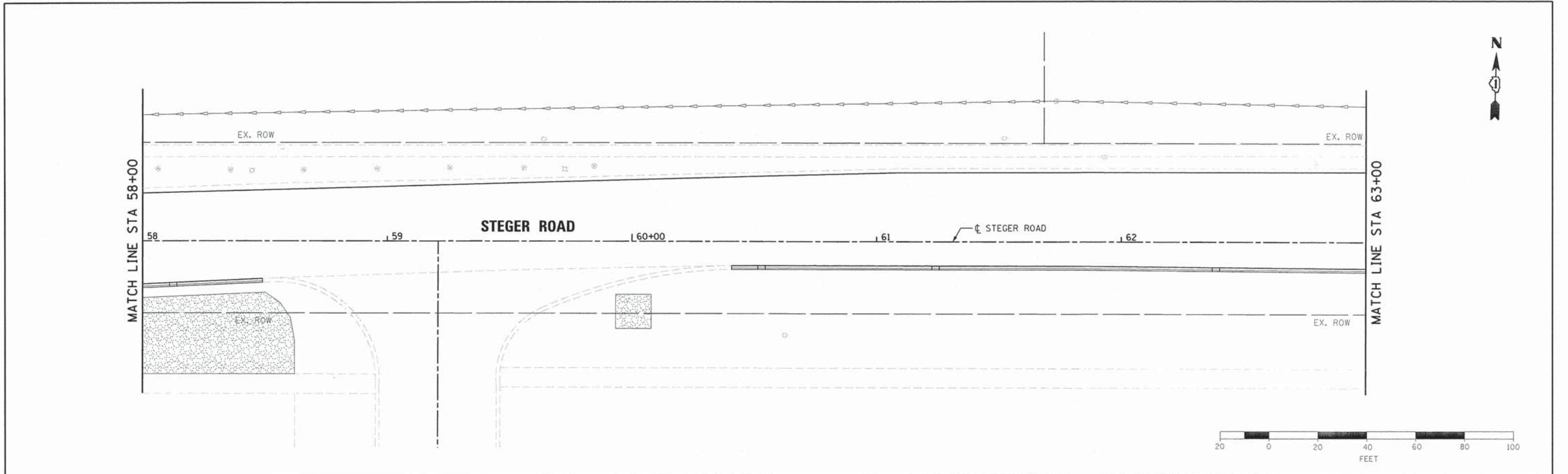
DRAINAGE AND UTILITY
PLAN AND PROFILE
SCALE: 1" = 20' SHEET 11 OF 14 SHEETS STA. 53+00.00 TO STA. 58+00.00

F.A. RTE. 1634	SECTION 11-00047-00-FP	COUNTY WILL	TOTAL SHEETS 148	SHEET NO. 69
CONTRACT NO. 61C70				
ILLINOIS FED. AID PROJECT				

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PLAN	SUBMITTED	BY	DATE
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	REVISIONS		
	NOTED		
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PROFILE	SUBMITTED	BY	DATE
	PLOTTED		
	REVISIONS		
	NOTED		
	FILED		
	NO.		



DRN EL.	737.39	737.70	738.03	738.37	739.09	739.85	740.80	741.82	742.43	742.98	743.18
DRN EL.											
	58+00	58+50	59+00	59+50	60+00	60+50	61+00	61+50	62+00	62+50	63+00

BURNS & MCDONNELL

USER NAME = mxbutler	DESIGNED - JIR	REVISED -
PLLOT SCALE = 20,0000' / 1"	DRAWN - JIR	REVISED -
PLLOT DATE = 2/1/2016	CHECKED - RMG	REVISED -
	DATE - 02/01/2016	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

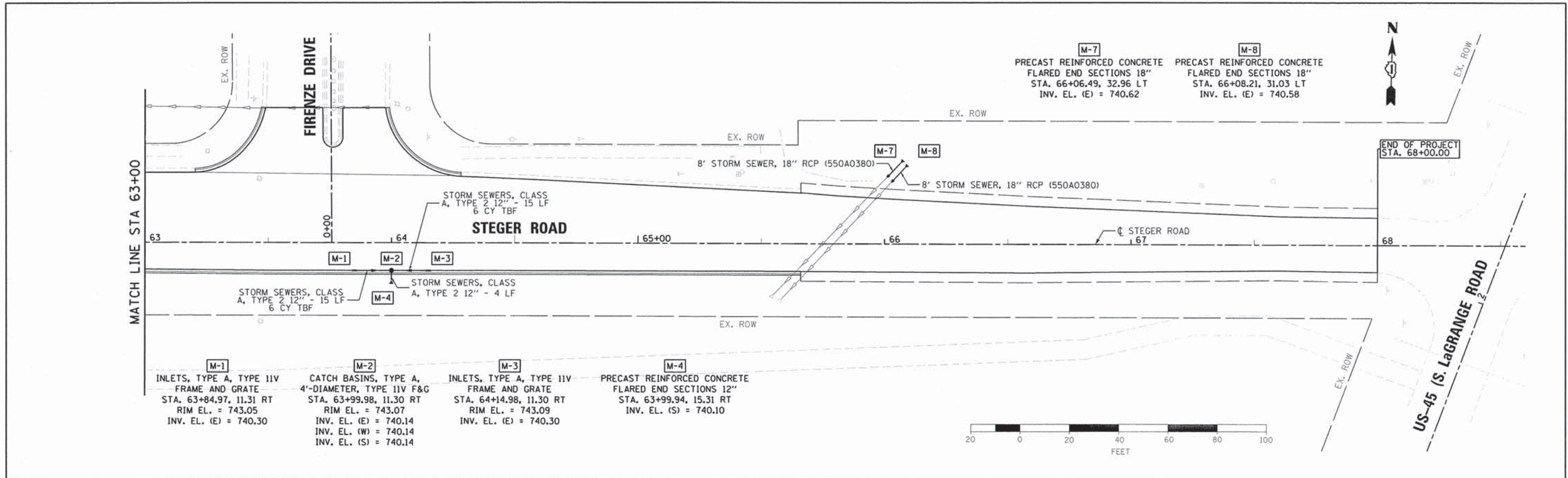
DRAINAGE AND UTILITY
PLAN AND PROFILE
SCALE: 1" = 20' SHEET 12 OF 14 SHEETS STA. 58+00.00 TO STA. 63+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1634	11-00047-00-FP	WILL	148	70
CONTRACT NO. 61C70				
ILLINOIS FED. AID PROJECT				

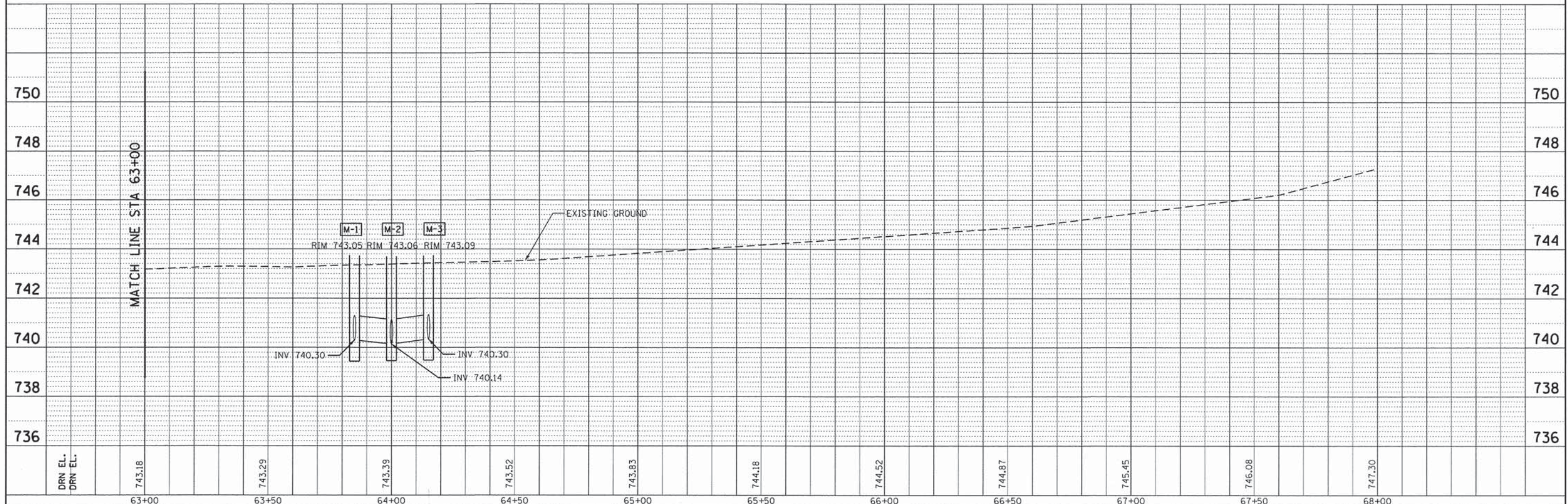
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PLAN	REVISIONS	DATE
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PROFILE	REVISIONS	DATE
NO.	BY	
NO.	BY	
NO.	BY	
NO.	BY	
NO.	BY	



- M-1**
INLETS, TYPE A, TYPE 11V
FRAME AND GRATE
STA. 63+84.97, 11.31 RT
RIM EL. = 743.05
INV. EL. (E) = 740.30
- M-2**
CATCH BASINS, TYPE A,
4'-DIAMETER, TYPE 11V F&G
STA. 63+99.98, 11.30 RT
RIM EL. = 743.07
INV. EL. (E) = 740.14
INV. EL. (W) = 740.14
INV. EL. (S) = 740.14
- M-3**
INLETS, TYPE A, TYPE 11V
FRAME AND GRATE
STA. 64+14.98, 11.30 RT
RIM EL. = 743.09
INV. EL. (E) = 740.30
- M-4**
PRECAST REINFORCED CONCRETE
FLARED END SECTIONS 12"
STA. 63+99.94, 15.31 RT
INV. EL. (S) = 740.10

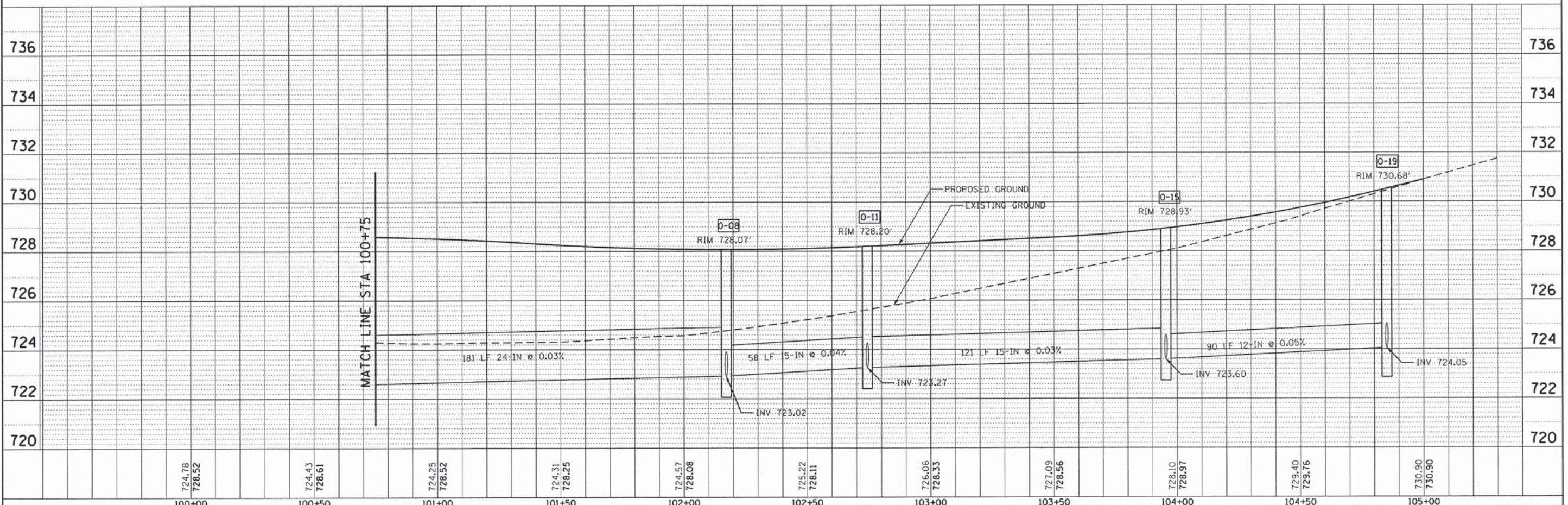
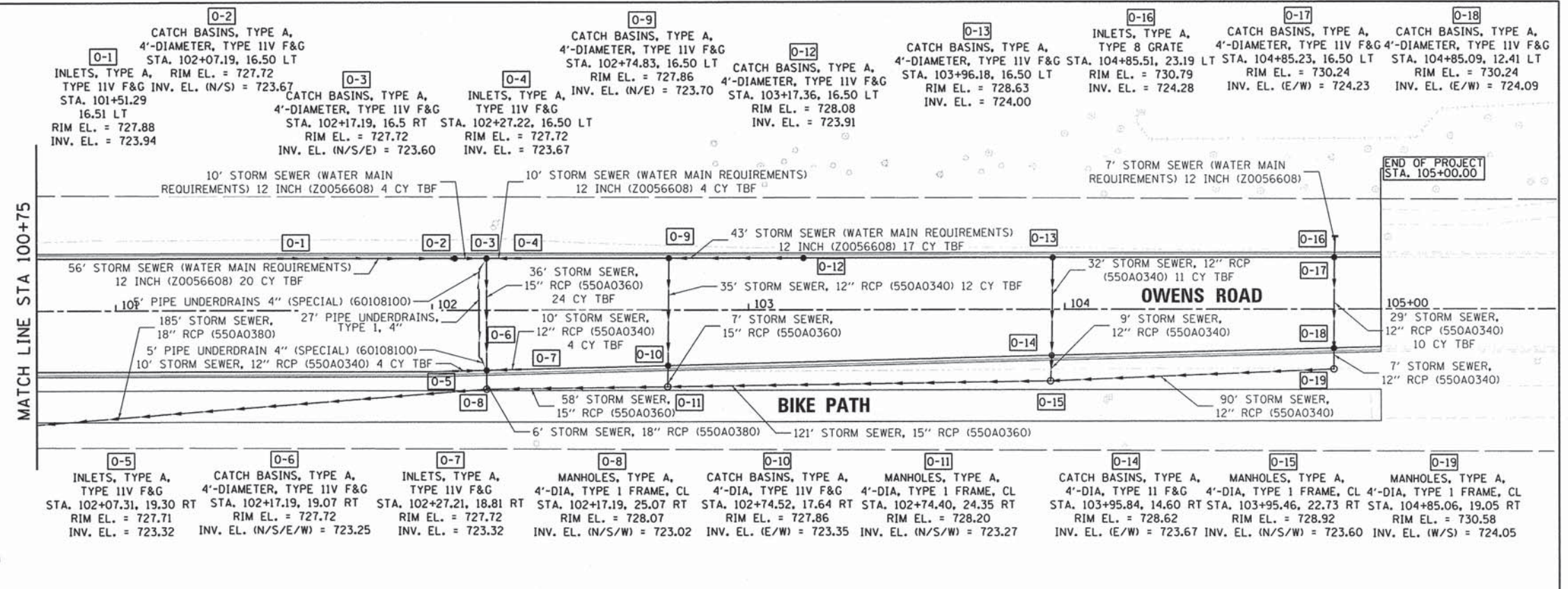


BURNS MCDONNELL	USER NAME = mxbutler	DESIGNED - JIR	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DRAINAGE AND UTILITY PLAN AND PROFILE	F.A. RTE. 1634	SECTION 11-00047-00-FP	COUNTY WILL	TOTAL SHEETS 148	SHEET NO. 71
	PLLOT SCALE = 20.0000' / in.	DRAWN - JIR	REVISED -			SCALE: 1" = 20' SHEET 13 OF 14 SHEETS STA. 63+00.00 TO STA. 68+00.00				
	PLLOT DATE = 2/1/2016	CHECKED - RMG	REVISED -			CONTRACT NO. 61C70				
		DATE - 02/01/2016	REVISED -			ILLINOIS FED. AID PROJECT				

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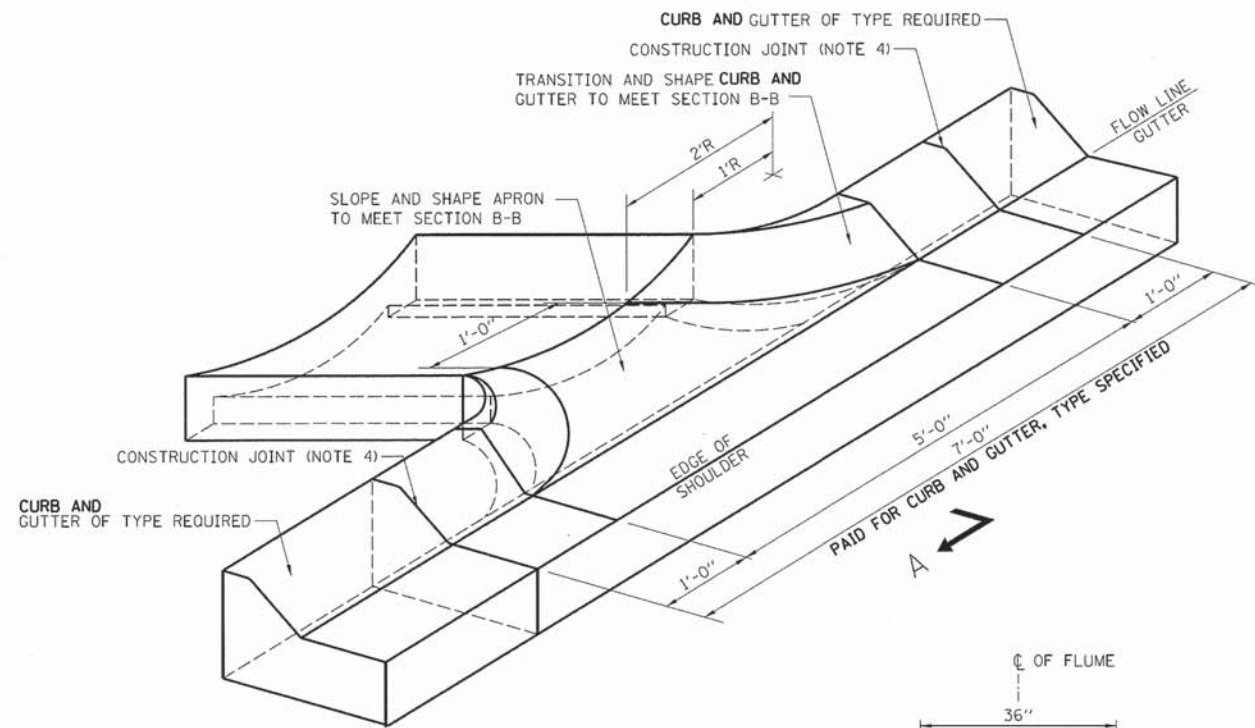
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BURNS MEDONNELL	USER NAME = mbutler	DESIGNED - JIR	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DRAINAGE AND UTILITY PLAN AND PROFILE		F.A. RTE. 1634	SECTION 11-00047-00-FP	COUNTY WILL	TOTAL SHEETS 148	SHEET NO. 72	
	PLOT SCALE = 20,0000' / in.	DRAWN - JIR	REVISED -		SCALE: 1" = 20'	SHEET 14 OF 14 SHEETS	STA. 0+00.00 TO STA. 5+00.00	CONTRACT NO. 61C70		ILLINOIS FED. AID PROJECT		
	PLOT DATE = 2/2/2016	CHECKED - RMG	REVISED -									
		DATE - 02/01/2016	REVISED -									

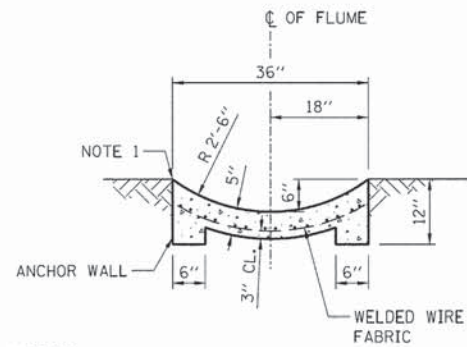
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CONCRETE FLUME

NOTES:

1. CONCRETE FLUMES SHALL BE CONSTRUCTED FLUSH WITH THE ADJACENT EXISTING OR PROPOSED SURFACES.
2. CLASS SI CONCRETE SHALL BE USED THROUGHOUT.
3. WELDED WIRE FABRIC SHALL BE EPOXY COATED 6x6 W4xW4, 58 LBS. PER 100 SQ. FT.
4. #4 EPOXY COATED TIE BARS 2'-6" LONG AT 12" O/C SHALL BE PROVIDED AT ALL CONSTRUCTION JOINTS.
5. EPOXY COATED EXPANDED METAL FABRIC OF EQUIVALENT STRENGTH MAY BE USED IN LIEU OF WELDED WIRE FABRIC SUBJECT TO ENGINEER'S APPROVAL.
6. THE LOCATION OF THE ANCHOR WALL MAY BE ADJUSTED AS DIRECTED BY THE ENGINEER.
7. THE MATERIALS AND CONSTRUCTION OF THE CONCRETE FLUME SHALL CONFORM TO THE APPLICABLE PORTIONS OF THE STANDARD SPECIFICATIONS.
8. ALL SLOPES ARE EXPRESSED AS UNITS OF VERTICAL DISPLACEMENT TO UNITS OF HORIZONTAL DISPLACEMENT (V:H).



NOTE:
0.62 C.Y. CONCRETE / L.F.

SECTION B-B

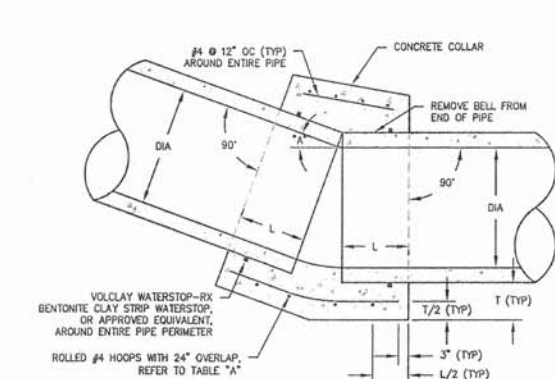
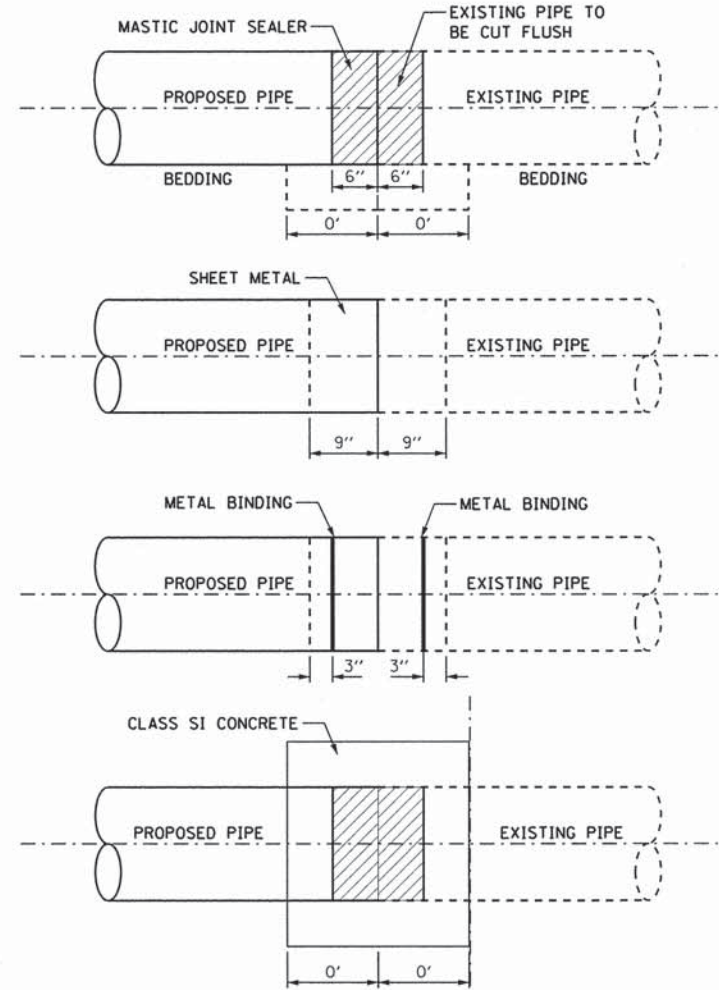
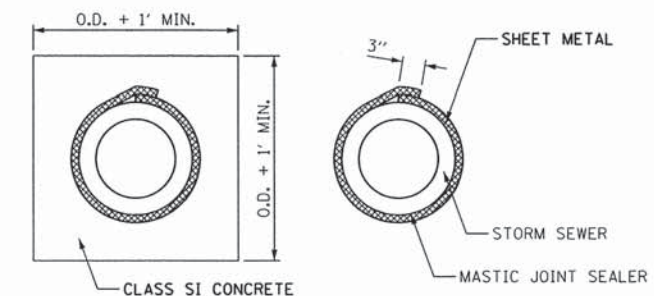


TABLE "A"			
MAX PIPE SIZE	L	T	MIN HOOP QTY
24"	18"	8"	3
48"	24"	10"	4
72"	30"	12"	5
> 72"	BY DESIGN		

- CONSTRUCTION NOTES FOR ANGLED COLLAR**
1. ANGLE "A" SHALL BE DETERMINED IN THE FIELD AND REBAR PLACEMENT APPROVED BY O/D ENGINEER PRIOR TO CONCRETE PLACEMENT.
 2. MINIMUM CONCRETE 28 DAY COMPRESSIVE STRENGTH SHALL BE 3,000 PSI, AND SHALL CONFORM TO O/D DETAIL STD-1-01, CONCRETE NOTES.
 3. FORMS USED TO POUR CONCRETE COLLAR SHALL BE REMOVED PRIOR TO BACKFILL.
 4. DIAMETER OF ROLLED HOOPS SHALL BE PIPE DIA + (2 X WALL THICKNESS) + T.
 5. CONCRETE SHALL BE VIBRATED AROUND PIPE JOINT DURING PLACEMENT.
 6. JOINT SHALL BE WATER TIGHT.
 7. CONCRETE PIPE SHALL BE CLEANED AND TREATED WITH PRE-APPROVED BY O/D ENGINEER CONCRETE BONDING AGENT PRIOR TO CONCRETE PLACEMENT.
 8. PREPARE SURFACE OF EXISTING PIPES BY WIRE BRUSHING, WATER BLASTING, OR SAND BLASTING AS DIRECTED BY O/D ENGINEER.
 9. INSIDE JOINT TO BE SMOOTH FINISH (BRUSHED) AND FLUSH.



GENERAL NOTES

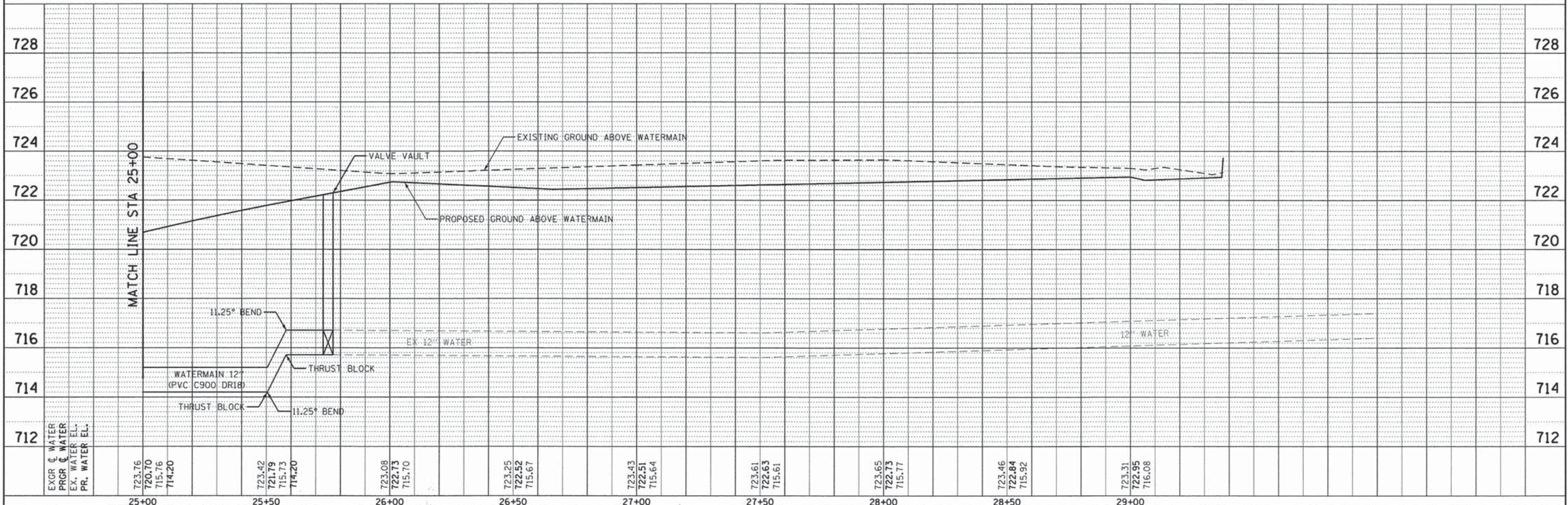
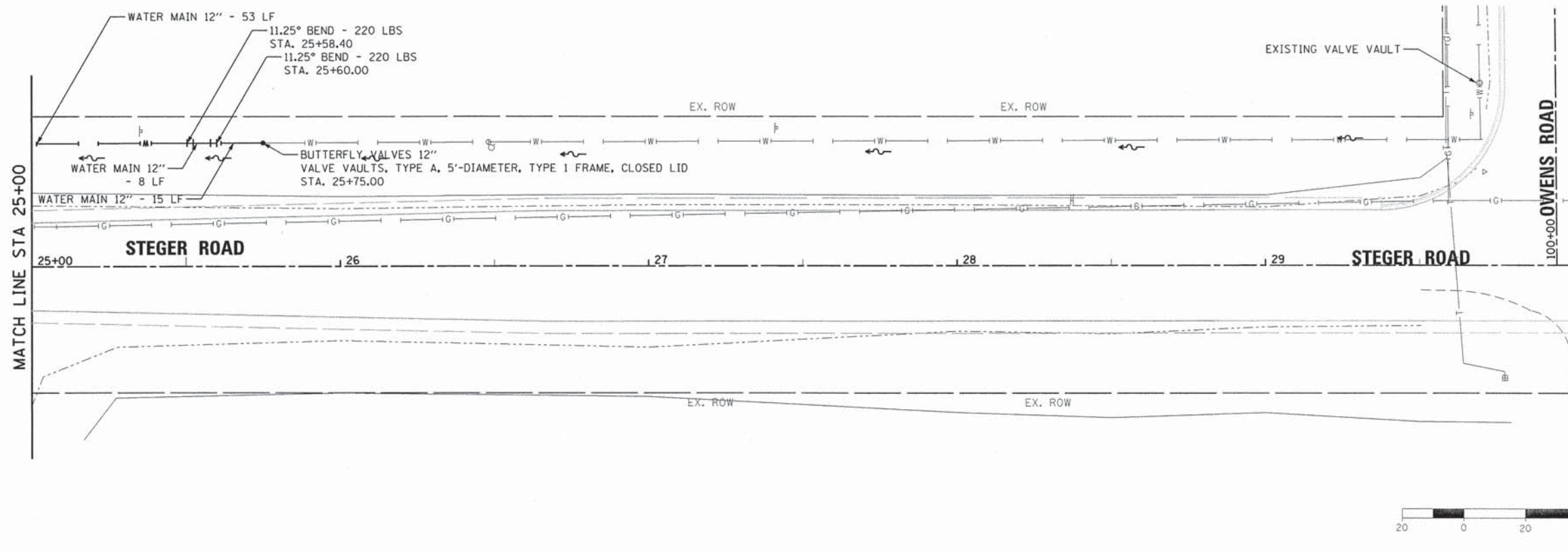
1. CUT THE EXISTING END OF PIPE SO AS TO PRESENT A FLUSH BUTT JOINT. BRUSH AND CLEAN ALL PIPES.
2. APPLY THE MASTIC JOINT SEALANT TO THE FIRST 6" OF EACH PIPE.
3. BUTT THE PIPES TOGETHER LEAVING A MINIMUM OF 1'x6" DEEP EXCAVATION UNDER AND AROUND EACH PIPE END.
4. CUT SHEET METAL GRADE 19 OR GEOTEXTILE FABRIC CLASS B, 1.5' WIDE AND THE LENGTH OF THE OUTSIDE CIRCUMFERENCE OF THE PIPE PLUS 3" LONG.
5. WRAP THE SHEET METAL OR GEOTEXTILE FABRIC CLASS B AROUND THE PIPES, 9" ON EACH SIDE OF THE JOINT, STARTING AT THE TOP OF PIPE.
6. LAP THE SHEET METAL OR GEOTEXTILE FABRIC CLASS B, AT LEAST 3" AT THE TOP OF THE PIPE AND PLACE THE MASTIC JOINT SEALANT BETWEEN THE LAP.
7. PLACE 2 METAL BANDS AROUND THE SHEET METAL OR GEOTEXTILE FABRIC CLASS B, AND TIGHTEN.
8. WIPE OFF ANY MASTIC JOINT SEALANT THAT OZES OUT FROM BETWEEN THE SHEET METAL OR GEOTEXTILE FABRIC CLASS B AND THE PIPES.
9. PLACE CONCRETE AROUND THE JOINT.
10. WHEN THE CONNECTION LOCATION SHOWN ON THE PLANS IS WITHIN 2' OF AN EXISTING JOINT, GO TO THE EXISTING JOINT.
11. CARE SHALL BE TAKEN TO PREVENT DEBRIS FROM ENTERING THE PIPE. ALL DEBRIS THAT ENTERS THE PIPE MUST BE REMOVED. THE PIPE MUST BE LEFT CLEAN AND UNOBSTRUCTED UPON COMPLETION OF THE CONTRACT.
12. CARE MUST BE TAKEN TO PREVENT ANY PART OF THE NEW PIPE FROM PROJECTING INTO THE EXISTING PIPE.
13. CONTRACTOR SHALL MAINTAIN DRAINAGE PATTERNS THROUGH CONSTRUCTION. IN THE EVENT THAT A CONCRETE COLLAR IS NOT FEASIBLE THE CONTRACTOR SHALL USE ALTERNATIVE METHODS AS APPROVED BY THE ENGINEER SUCH AS FLEXIBLE PIPE. THE COST OF THE CONNECTION SHALL BE INCLUDED IN THE CONCRETE COLLAR ITEM.

CONCRETE COLLAR DETAIL

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PLAN	SURVEYED	DATE
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	REVISIONS	
	NO. OF WAY CHECKED	
	CADD FILE NAME	
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PROFILE	SURVEYED	DATE
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	REVISIONS	
	NO. OF WAY CHECKED	
	CADD FILE NAME	
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	USER NAME = mxbutler	DESIGNED - CFZ	REVISED -
		DRAWN - MJB	REVISED -
	PLLOT SCALE = 20.0000' / 1" IN.	CHECKED - RMG	REVISED -
	PLLOT DATE = 2/1/2016	DATE - 02/01/2016	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WATERMAIN RELOCATION PLAN

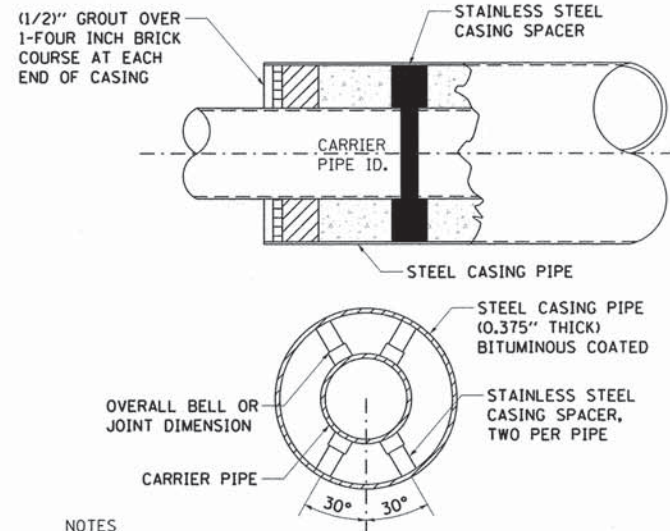
SCALE: 1" = 20' SHEET 2 OF 3 SHEETS STA. 23+00.00 TO STA. 28+00.00

F.A. RTE. 1634	SECTION 11-00047-00-FP	COUNTY WILL	TOTAL SHEETS 148	SHEET NO. 75
CONTRACT NO. 61C70			ILLINOIS FED. AID PROJECT	

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SUMMARY OF WATERMAIN QUANTITIES

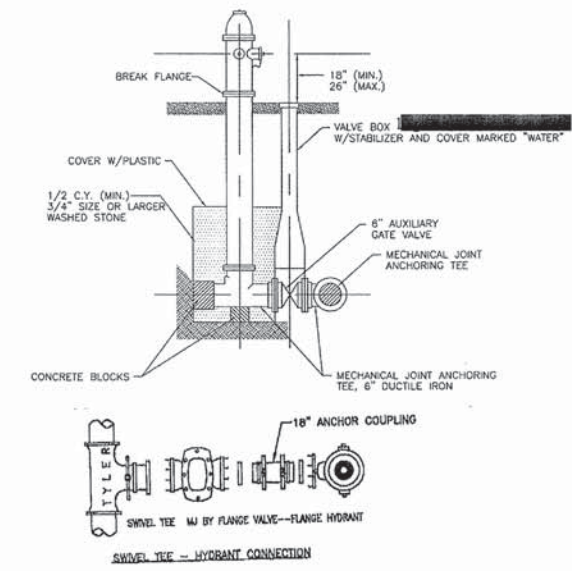
PROPOSED WATERMAIN SCHEDULE			WATER MAIN 12"	BUTTERFLY VALVES 12"	VALVE VAULTS, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	STEEL CASING PIPE IN TRENCH, 24 INCH	DUCTILE IRON WATER MAIN FITTINGS	WATER MAIN LINE STOP 12"	FIRE HYDRANT COMPLETE
ALIGNMENT	FROM STATION	TO STATION	(56100900) FOOT	(56105750) EACH	(60248900) EACH	(X0327241) FOOT	(X5610004) POUNDS	(X5610752) EACH	(X5640175) EACH
STEEGER RD	20+00	25+00	425	1	1	24	440	1	1
	25+00	30+00	75	1	1		440		
TOTAL			500	2	2	24	880	1	1



NOTES

1. THE WATER MAIN SHALL BE CENTER SPACED AND RESTRAINED ON TOP AND BOTTOM UTILIZING TWO CASING SPACERS EQUALLY SPACED PER LENGTH OF PIPE.
2. CASING IS TO BE SEALED AT BOTH ENDS WITH A MASONARY CAP AND MADE WATER-TIGHT.
3. WATER MAIN JOINTS WITHIN THE CASING SHALL UTILIZE MECHANICAL JOINTS OR LUG TYPE RESTRAINTS OUTSIDE THE JOINT.

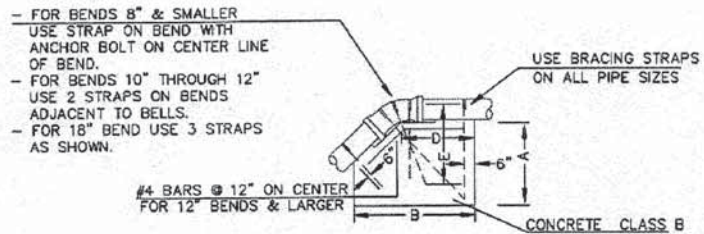
PIPE CASING DETAIL FOR WATER MAIN



- NOTES:
1. ALL CASTINGS SHALL BE MADE IN THE U.S.A. WITH U.S.A. MATERIALS. FIRE HYDRANTS SHALL MEET AWWA C-502 AND SHALL BE MUELLER "CENTURION" A-423, OR APPROVED EQUAL WITH A 5-1/4" VALVE OPENING, TWO 2-1/2" HOSE NOZZLES AND ONE 4-1/2" PUMPER NOZZLE. THREADS SHALL CONFORM TO NATIONAL STANDARD SPECIFICATIONS.
 2. HYDRANTS SHALL BE INSTALLED NO CLOSER THAN THREE FEET NOR FARTHER THAN 8 FEET FROM THE BACK OF CURB. NO HYDRANT SHALL BE INSTALLED WITHIN 48" OF ANY OBSTRUCTION NOR SHALL ANY OBSTRUCTION BE PLACED WITHIN 48" OF A HYDRANT.
 3. THE HYDRANTS SHALL BE PAINTED RED BY THE MANUFACTURER.

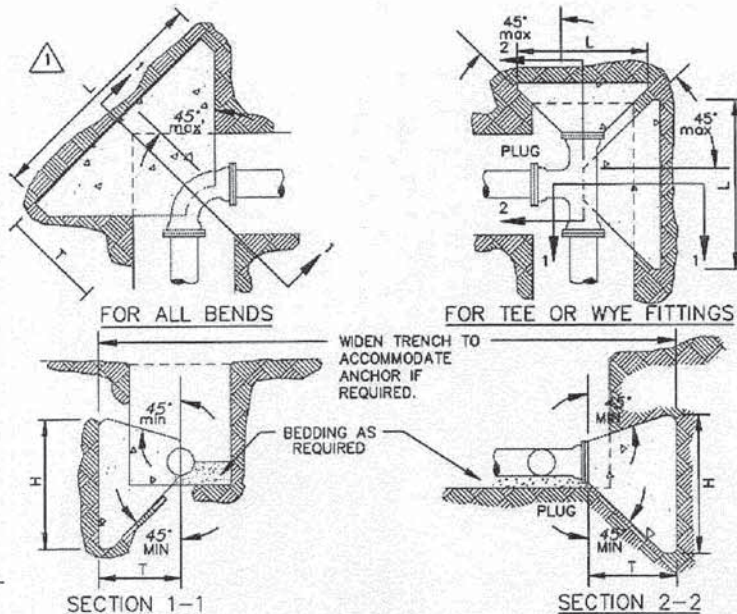
FIRE HYDRANT INSTALLATION

EXHIBIT 5E
JUNE 2007



ELEVATION

PAINT ALL EXPOSED STEEL WITH 2 COATS OF BITUMINOUS PAINT.

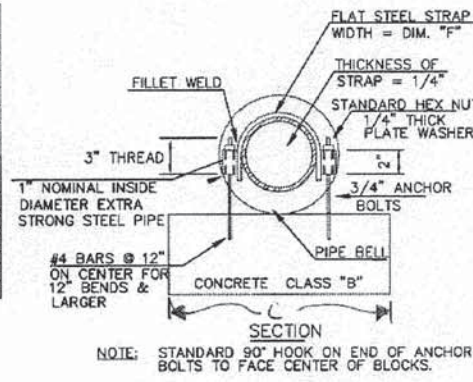


PIPE SIZE	DEGREE OF BEND	BEND DIMENSIONS (FEET)			VOL. CU. YD.	TEE AND PLUGS (FEET)			VOL. CU. YD.
		L	H	T		L	H	T	
4" & 6"	90	2.50	2.50	3.01	0.24				
	45	2.00	2.25	2.60	0.15				
	22 1/2	1.50	2.00	2.52	0.10	2.00	2.25	2.50	0.15
8"	90	3.66	3.16	3.21	0.48				
	45	2.66	2.66	2.77	0.26				
	22 1/2	1.66	2.16	2.69	0.13	3.16	2.91	2.66	0.32
10" & 12"	90	4.83	3.83	3.42	0.83				
	45	3.33	3.58	2.95	0.43				
	22 1/2	2.33	2.58	2.86	0.24	3.83	4.00	2.83	0.52

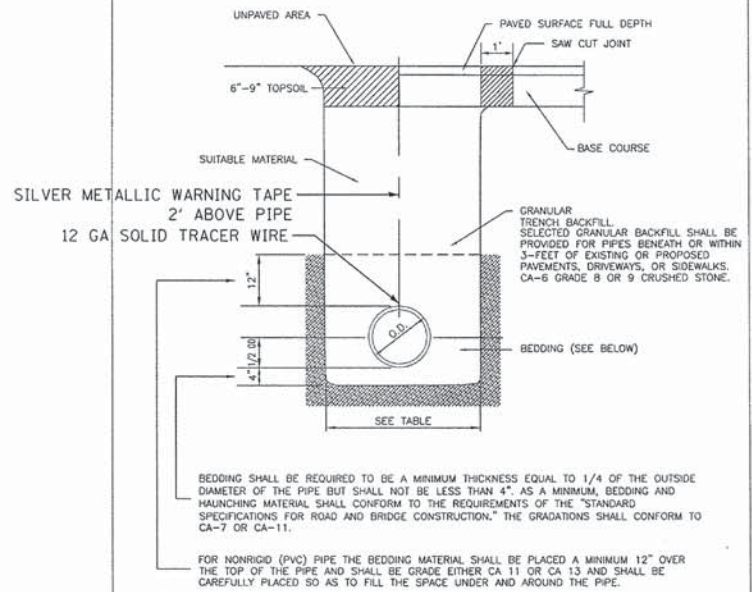
1. THRUST BLOCKS ARE REQUIRED WHENEVER THE PIPELINE : CHANGES DIRECTION, CHANGES SIZE, DEAD ENDS AND AT VALVES.
2. USE 2500 P.S.I. CONCRETE.
3. NO CONCRETE SHALL BE POURED ON ANY PART OF THE JOINT.
4. THE CONSULTING ENGINEER SHALL BE RESPONSIBLE TO VERIFY THE TYPE & SIZE OF ALL THRUST BLOCKS.

CONCRETE THRUST BLOCKS

BEND	PIPE SIZE	A	B	C	D	E	F
11 1/4"	4" - 6"	1'-0"	2'-3"	2'-6"	1'-2"	2'-0"	1 1/4"
	8"	2'-3"	3'-0"	2'-6"	1'-6"	2'-0"	1 1/4"
	10"	2'-8"	3'-9"	2'-6"	2'-0"	3'-0"	2"
	12"	3'-0"	4'-3"	3'-0"	2'-3"	3'-6"	2"
22 1/2"	4" - 6"	2'-8"	3'-0"	2'-6"	1'-6"	2'-0"	1 1/4"
	8"	3'-0"	4'-3"	2'-6"	2'-6"	3'-3"	2"
	10"	3'-3"	5'-0"	3'-0"	2'-9"	3'-9"	2"
	12"	3'-9"	5'-3"	3'-0"	3'-6"	4'-3"	2"
45"	4" - 6"	3'-0"	6'-0"	3'-0"	3'-3"	5'-3"	2 1/4"
	8"	3'-6"	6'-6"	3'-0"	3'-8"	5'-9"	2 1/4"
	10"	4'-6"	7'-6"	3'-0"	4'-3"	5'-9"	2 1/4"
	12"	5'-3"	9'-0"	3'-3"	5'-0"	5'-9"	2 1/2"



CONCRETE BLOCKING FOR UPPER VERTICAL BENDS



NOMINAL PIPE SIZES (INCHES)	TRENCH WIDTHS* (INCHES)
12 OR SMALLER	30
14-18	36
20-24	48
27-30	55
33 OR LARGER	1 1/3 TIMES PIPE O.D.

TRENCH BACKFILL DETAIL

EXHIBIT 2A
JUNE 2007



USER NAME = mxbutler	DESIGNED = CFZ	REVISED =
PLOT SCALE = 1:8000 1/4" = 1'-0"	DRAWN = MJB	REVISED =
PLOT DATE = 2/11/2016	CHECKED = RMG	REVISED =
	DATE =	REVISED =

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WATERMAIN DETAILS
SCALE: NONE SHEET 3 OF 3 SHEETS STA. TO STA.

F.A. RTE. 1634	SECTION 11-00047-00-FP	COUNTY WILL	TOTAL SHEETS 148	SHEET NO. 76
CONTRACT NO. 61C70				
ILLINOIS FED. AID PROJECT				

PAVEMENT MARKING SCHEDULE		TERMINAL MARKER - DIRECT APPLIED	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	GUARDRAIL REFLECTORS, TYPE A	
ALIGNMENT	FROM STATION	TO STATION	72501000 EACH	78000100 SQ FT	78000200 FOOT	78000400 FOOT	78000600 FOOT	78000650 FOOT	78200005 EACH
STEEGER RD	3+00	8+00	0	0	1,995	0	0	26	0
	8+00	13+00	0	0	1,699	95	0	16	0
	13+00	18+00	0	0	2,000	0	0	0	0
	18+00	23+00	0	0	1,691	94	0	0	0
	23+00	28+00	0	0	2,631	0	58	0	0
	28+00	33+00	0	37	2,429	337	331	28	0
	33+00	38+00	1	0	2,765	0	100	0	14
	38+00	43+00	1	0	2,500	0	119	0	0
	43+00	48+00	0	16	1,760	230	428	24	0
	48+00	53+00	0	58	1,153	251	34	0	0
	53+00	58+00	0	37	1,356	283	211	19	0
	58+00	63+00	0	37	1,790	106	75	0	0
63+00	68+00	0	0	1,969	160	51	0	0	
OWENS RD	0+75	5+00	0	37	1,415	84	24	0	0
TOTAL			2	222	27,153	1,640	1,431	113	14

SIGN SCHEDULE		STATION	OFFSET	WIDTH (IN)	HEIGHT (IN)	SIGN PANEL TYPE A	TOTAL HEIGHT (IN)	POST TYPE	NUMBER OF POSTS	EMBEDMENT DEPTH	MOUNTING HEIGHT	METAL POST - TYPE A	METAL POST - TYPE B	
DESCRIPTION	CODE					72000100 (SQ FT)						72900100 (FOOT)	72900200 (FOOT)	
INTERSECTION	W2-1	8+01	21' LT	30	30	6.25	38	A	2	3.5	7	27.5	-	
Scheer Road	W16-8P			30	8	1.67								
SPEED LIMIT	R2-1	8+27	20' RT	24	30	5	30	B	1	4	7	-	13.5	
SPEED LIMIT	R2-1	16+14	26' LT	24	30	5	30	B	1	4	7	-	13.5	
SPEED LIMIT	R2-1	22+18	20' RT	24	30	5	30	B	1	4	7	-	13.5	
SPEED LIMIT	R2-1	28+37	26' LT	24	30	5	30	B	1	4	7	-	13.5	
STOP	R1-1	3+88	42' LT	36	36	9	36	B	1	4	7	-	14	
TWO DIRECTION	W1-7	29+92	31' RT	48	24	8	24	A	2	3.5	7	25	-	
BICYCLE CROSSING	W11-15	30+08	26' RT	30	30	6.25	48	A	2	3.5	7	29	-	
DOWN ARROW	W16-8P			24	18	3								
NO MOTOR VEHICLES	R5-3	30+14	26' RT	24	24	4	24	A	1	3.5	7	12.5	-	
STOP	R1-1	30+18	48' LT	36	36	9	36	B	1	4	7	-	14	
STOP	R1-1	30+33	23' RT	30	30	6.25	30	B	1	4	7	-	13.5	
BICYCLE CROSSING	W11-15	30+41	26' LT	30	30	6.25	48	A	2	3.5	7	29	-	
DOWN ARROW	W16-8P			24	18	3								
SPEED LIMIT	R2-1	33+09	28' RT	24	30	5	30	B	1	4	7	-	13.5	
SPEED LIMIT	R2-1	43+51	21' LT	24	30	5	30	B	1	4	7	-	13.5	
STOP	R1-1	46+80	60' RT	30	30	6.25	30	B	1	4	7	-	13.5	
SPEED LIMIT	R2-1	53+52	16' LT	24	30	5	30	B	1	4	7	-	13.5	
BICYCLE CROSSING	W11-15	56+03	27' RT	30	30	6.25	48	A	2	3.5	7	29	-	
DOWN ARROW	W16-8P			24	18	3								
TWO DIRECTION	W1-7	56+54	28' RT	48	24	8	24	A	2	3.5	7	25	-	
BICYCLE CROSSING	W11-15	57+02	21' LT	30	30	6.25	48	A	2	3.5	7	29	-	
DOWN ARROW	W16-8P			24	18	3								
STOP AHEAD	W11-15	66+80	18' RT	30	30	6.25	38	A	2	3.5	7	27.5	-	
US 45	W16-8P			24	8	1.33								
SPEED LIMIT	R2-1	67+17	21' LT	24	30	5	30	B	1	4	7	-	13.5	
SPEED LIMIT	R2-1	101+45	23' RT	24	30	5	30	B	1	4	7	-	13.5	
TOTAL						148			TOTALS		233.5	176.5		



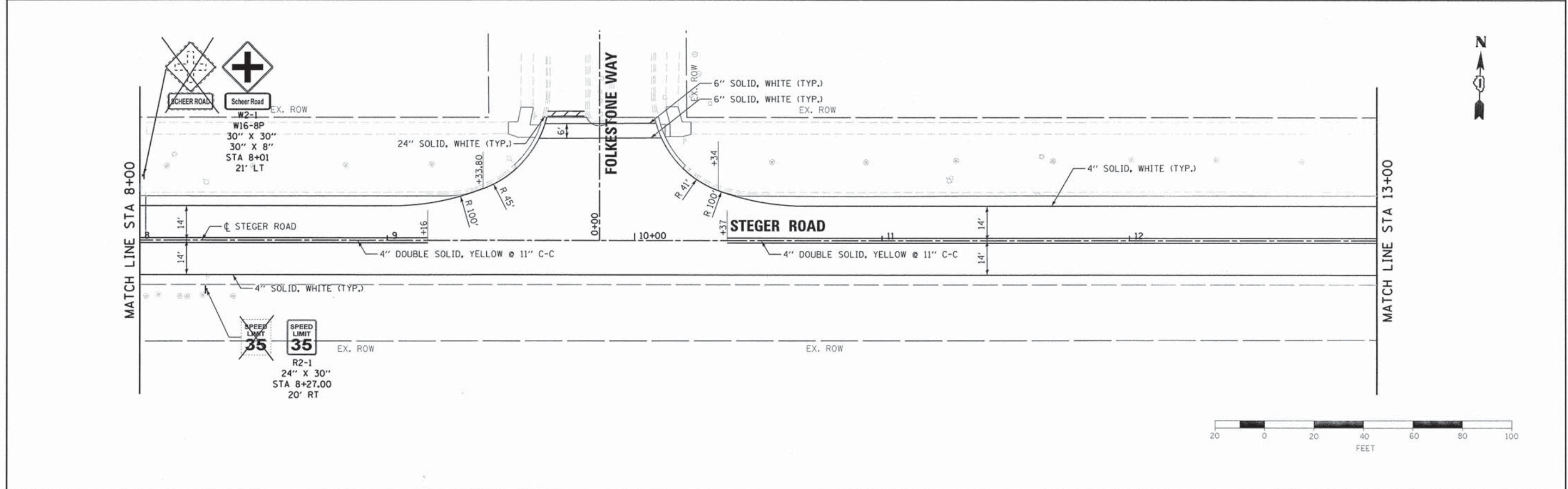
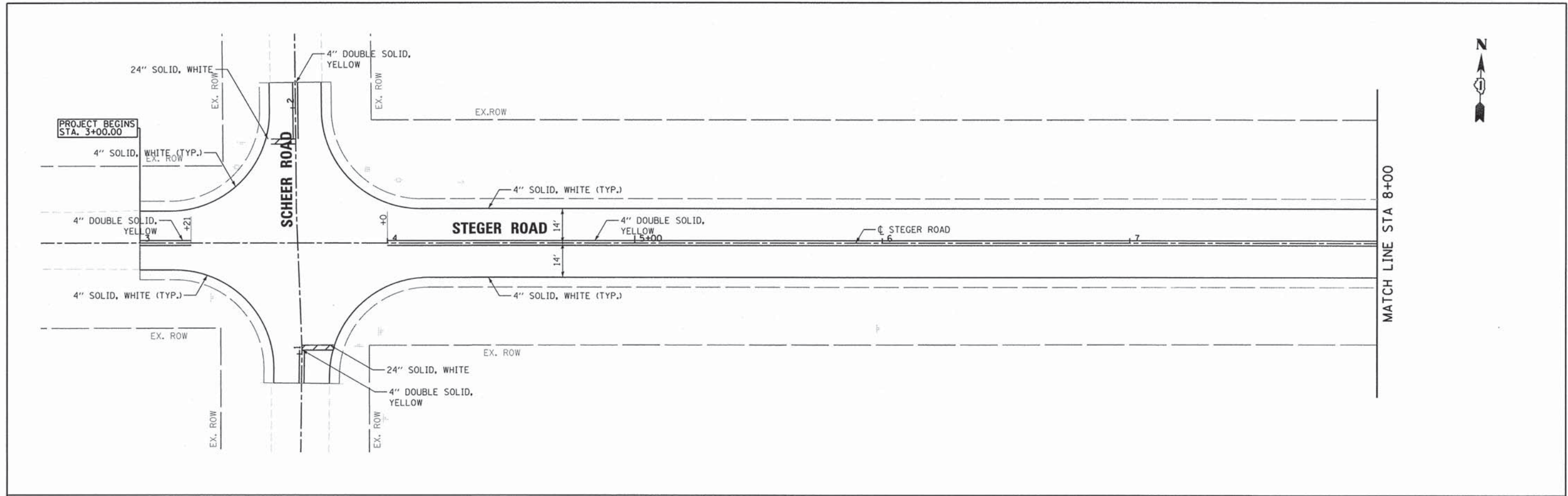
USER NAME = mxbutler	DESIGNED = MJB	REVISED =
PLOT SCALE = 100.0000' / 1" =	DRAWN = MJB	REVISED =
PLOT DATE = 2/2/2016	CHECKED = RMG	REVISED =
	DATE = 02/01/2016	REVISED =

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING SCHEDULE

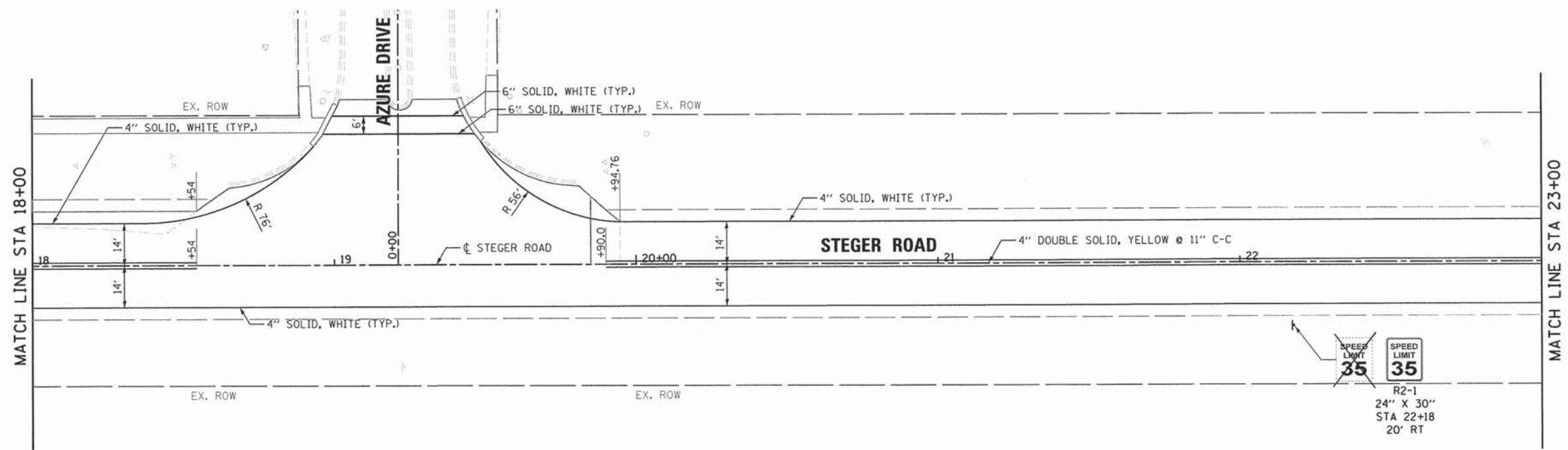
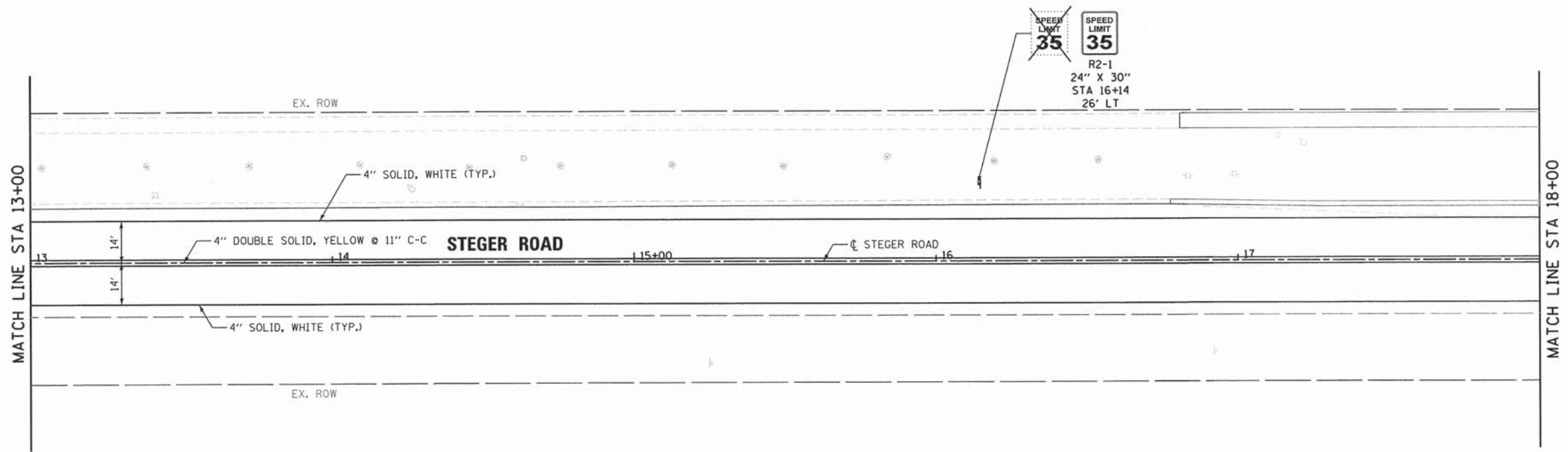
SCALE: SHEET 1 OF 1 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1634	11-00047-00-FP	WILL	148	79
CONTRACT NO. 61C70				
ILLINOIS FED. AID PROJECT				



	USER NAME = mxbutler	DESIGNED - JIR	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT MARKING AND SIGNING PLAN			F.A. RTE. 1634	SECTION 11-00047-00-FP	COUNTY WILL	TOTAL SHEETS 148	SHEET NO. 80	
	PLOT SCALE = 20,0000' / 1" =	DRAWN - JIR	REVISED -		SCALE: 1" = 20'	SHEET 1	OF 7 SHEETS	STA. 3+00.00	TO STA. 13+00.00	CONTRACT NO. 61C70			
	PLOT DATE = 2/1/2016	CHECKED - RMG	REVISED -		ILLINOIS FED. AID PROJECT								
		DATE -	REVISED -										

80043-sh1-pmk01.dgn



USER NAME = mxbutler	DESIGNED - JIR	REVISED -
PLOT SCALE = 20.0000' / 1" =	DRAWN - JIR	REVISED -
PLOT DATE = 2/1/2016	CHECKED - RMG	REVISED -
	DATE -	REVISED -

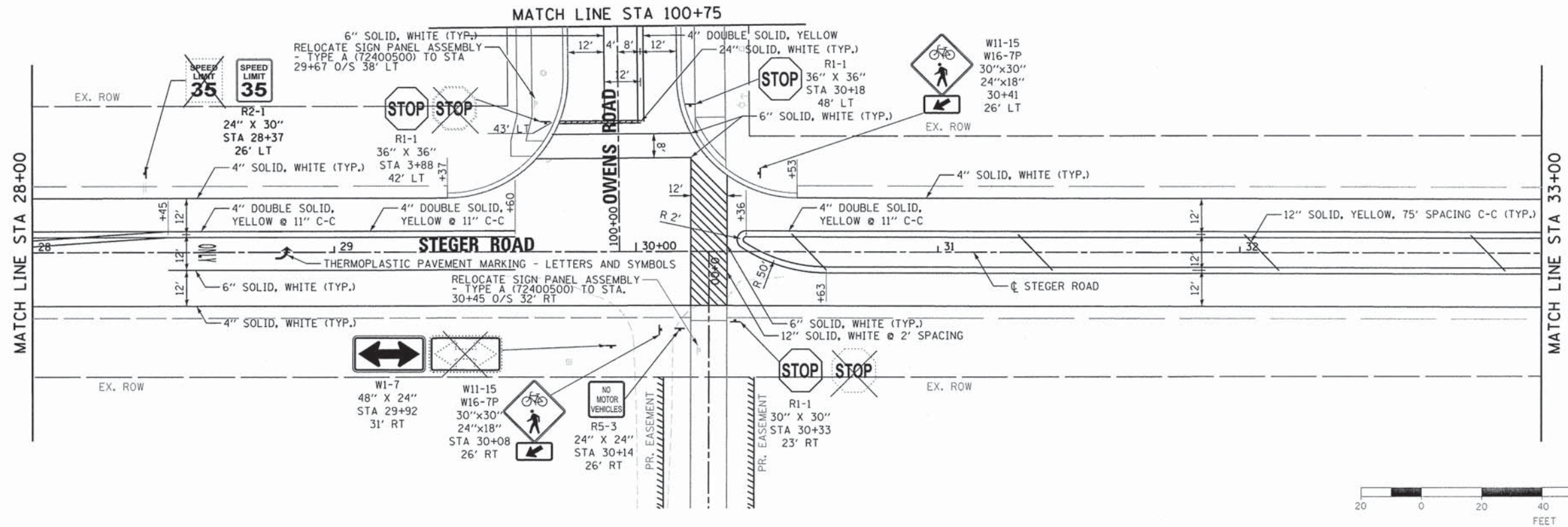
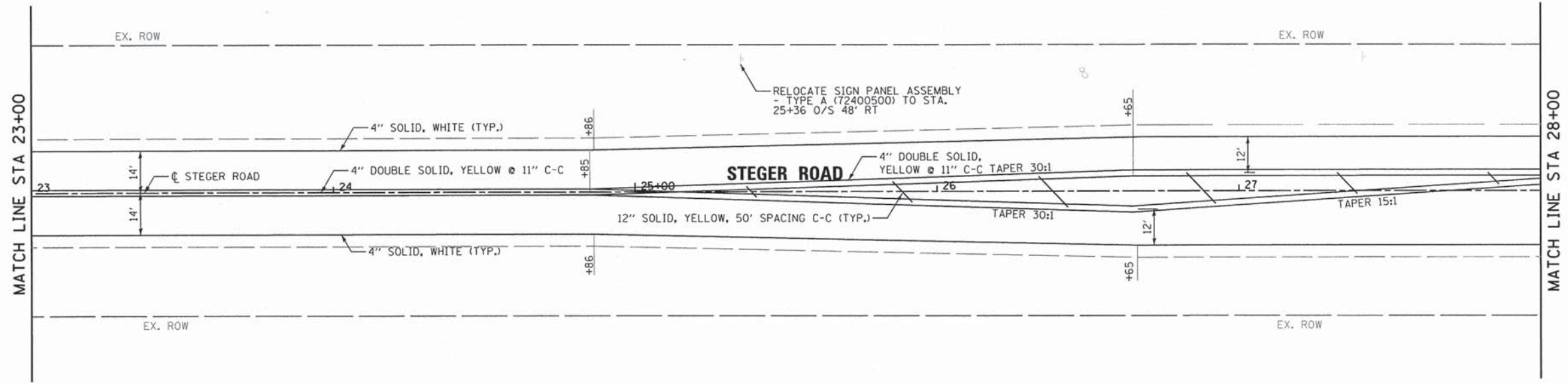
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING AND
SIGNING PLAN**

SCALE: 1" = 20' SHEET 2 OF 7 SHEETS STA. 13+00.00 TO STA. 23+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1634	11-00047-00-FP	WILL	148	81
CONTRACT NO. 61C70				
ILLINOIS FED. AID PROJECT				

80843-shv-pmk02.dgn



USER NAME = mxbutler	DESIGNED - JIR	REVISED -
PLOT SCALE = 20.0000' / 1"	DRAWN - JIR	REVISED -
PLOT DATE = 2/1/2016	CHECKED - RMG	REVISED -
	DATE -	REVISED -

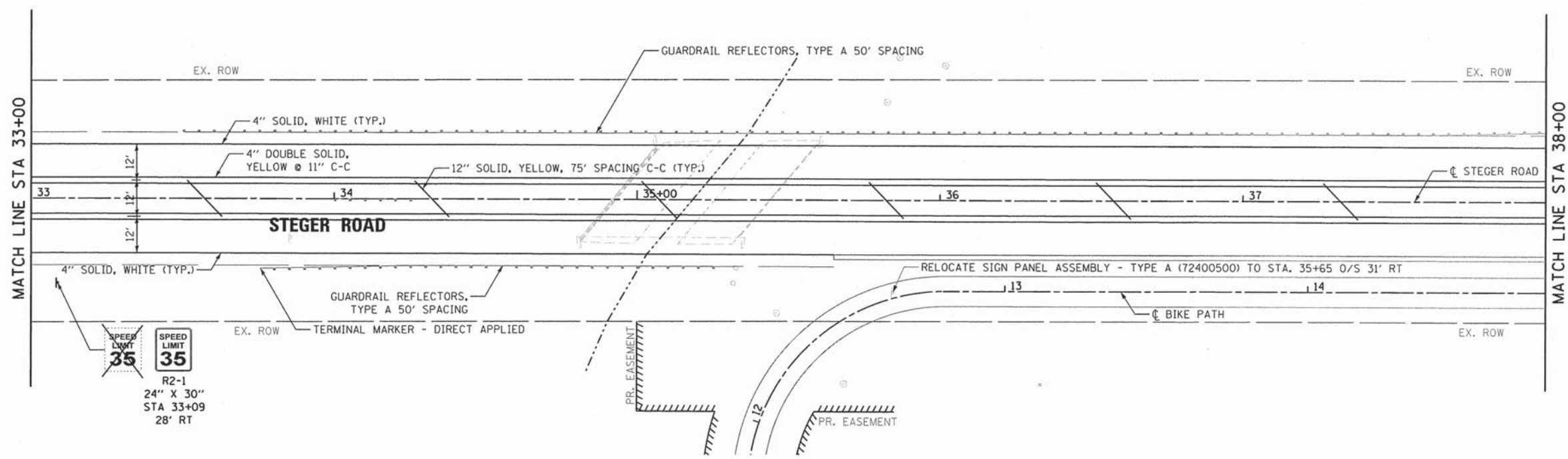
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING AND
SIGNING PLAN**

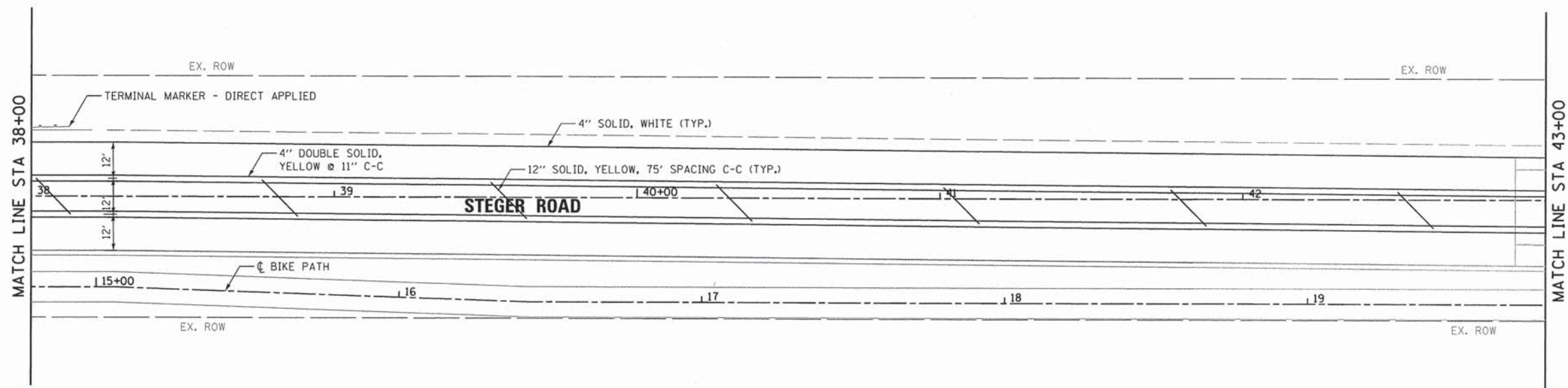
SCALE: 1" = 20' SHEET 3 OF 7 SHEETS STA. 23+00.00 TO STA. 33+00.00

F.A. RTE. 1634	SECTION 11-00047-00-FP	COUNTY WILL	TOTAL SHEETS 148	SHEET NO. 82
CONTRACT NO. 61C70			ILLINOIS FED. AID PROJECT	

60043-sht-pmk03.dgn



SPEED LIMIT
35
 R2-1
 24" X 30"
 STA 33+09
 28' RT



USER NAME = mabutler	DESIGNED - JIR	REVISED -
PLOT SCALE = 20.0000' / in.	DRAWN - JIR	REVISED -
PLOT DATE = 2/2/2016	CHECKED - RMG	REVISED -
	DATE -	REVISED -

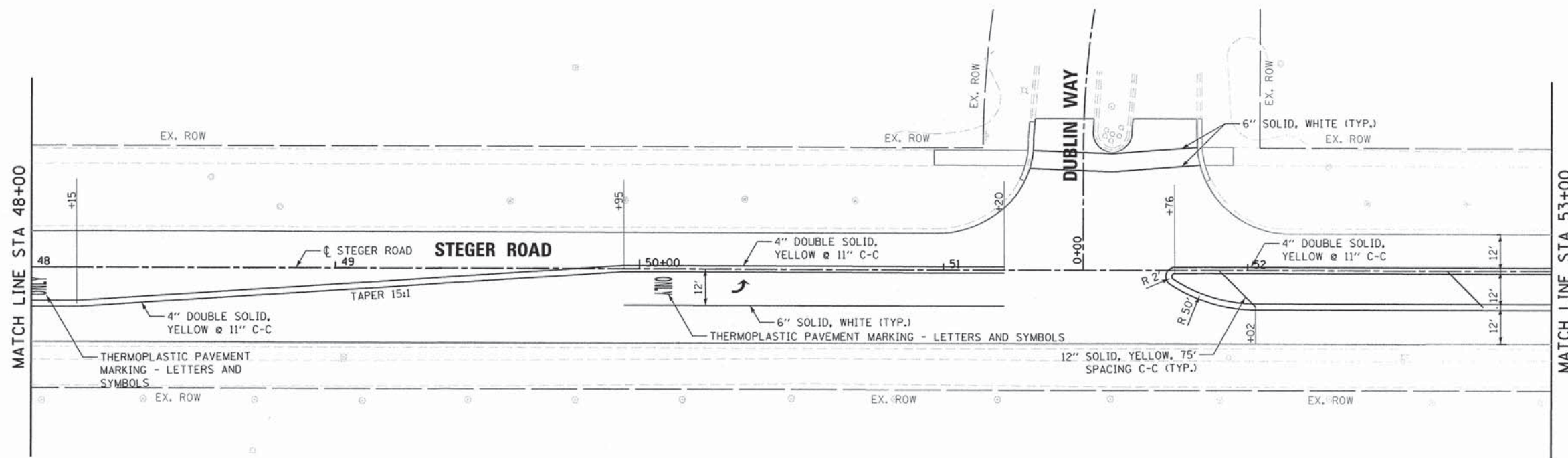
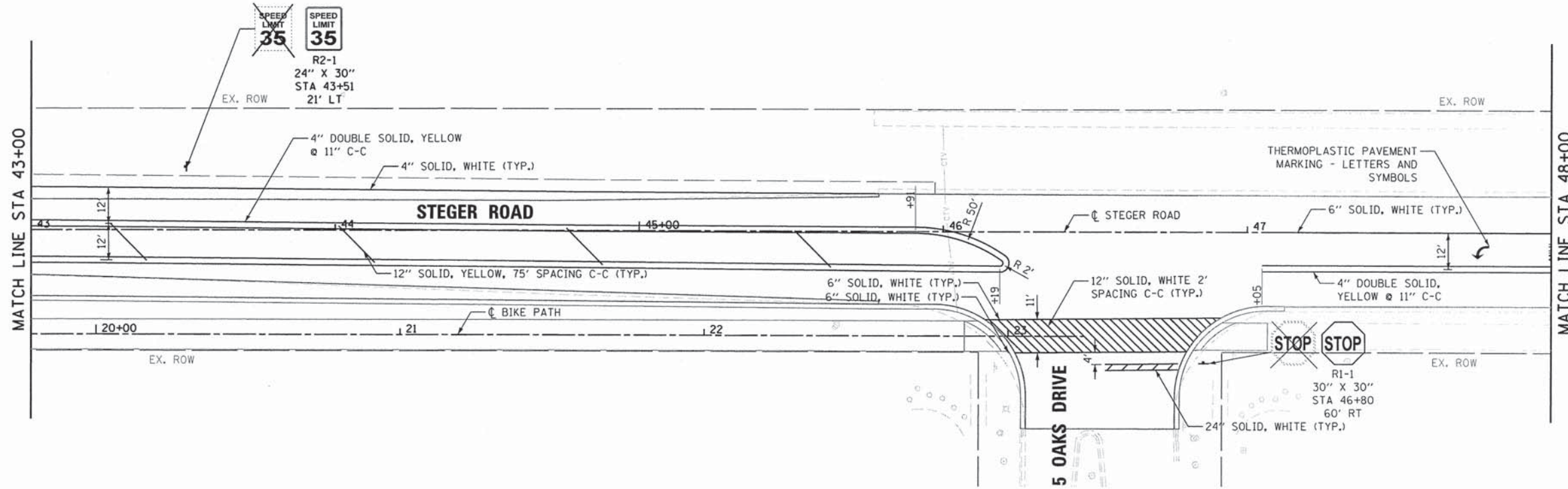
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING AND
SIGNING PLAN

SCALE: 1" = 20' SHEET 4 OF 7 SHEETS STA. 33+00.00 TO STA. 43+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1634	11-00047-00-FP	WILL	148	83
CONTRACT NO. 61C70				
ILLINOIS FED. AID PROJECT				

80043-sh1-pmk04.dgn



USER NAME = mxbutler	DESIGNED - JIR	REVISED -
PLOT SCALE = 20.0000' / 1" =	DRAWN - JIR	REVISED -
PLOT DATE = 2/1/2016	CHECKED - RMG	REVISED -
	DATE -	REVISED -

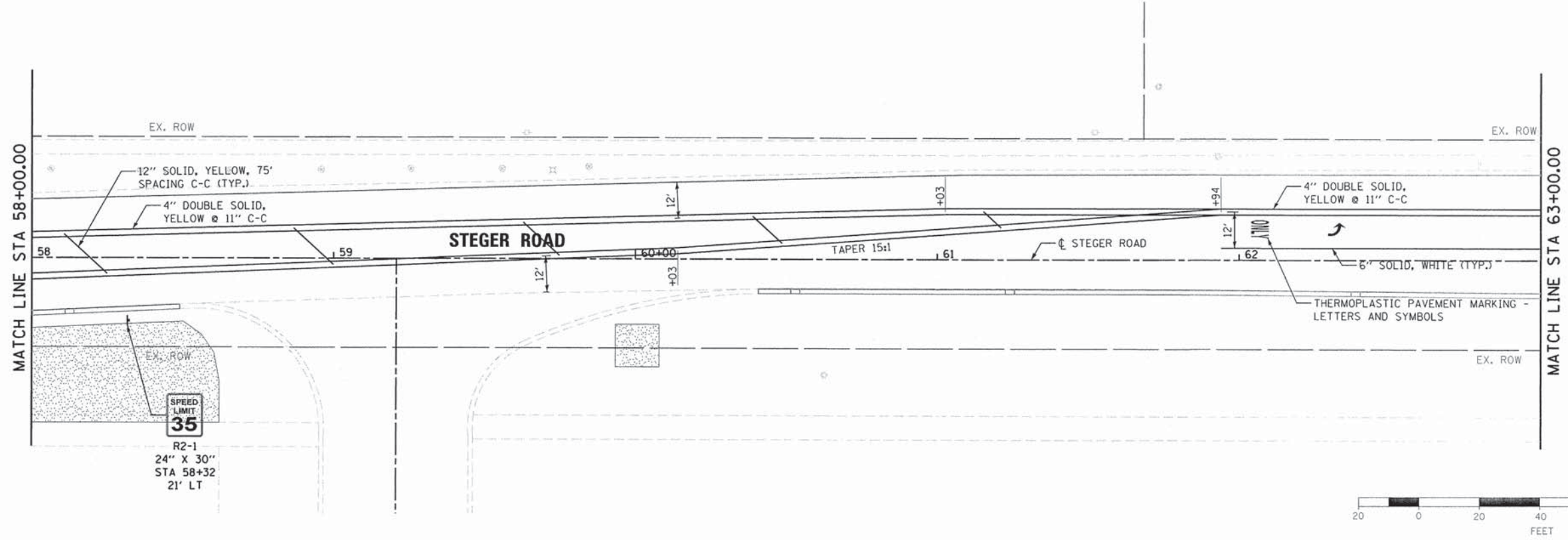
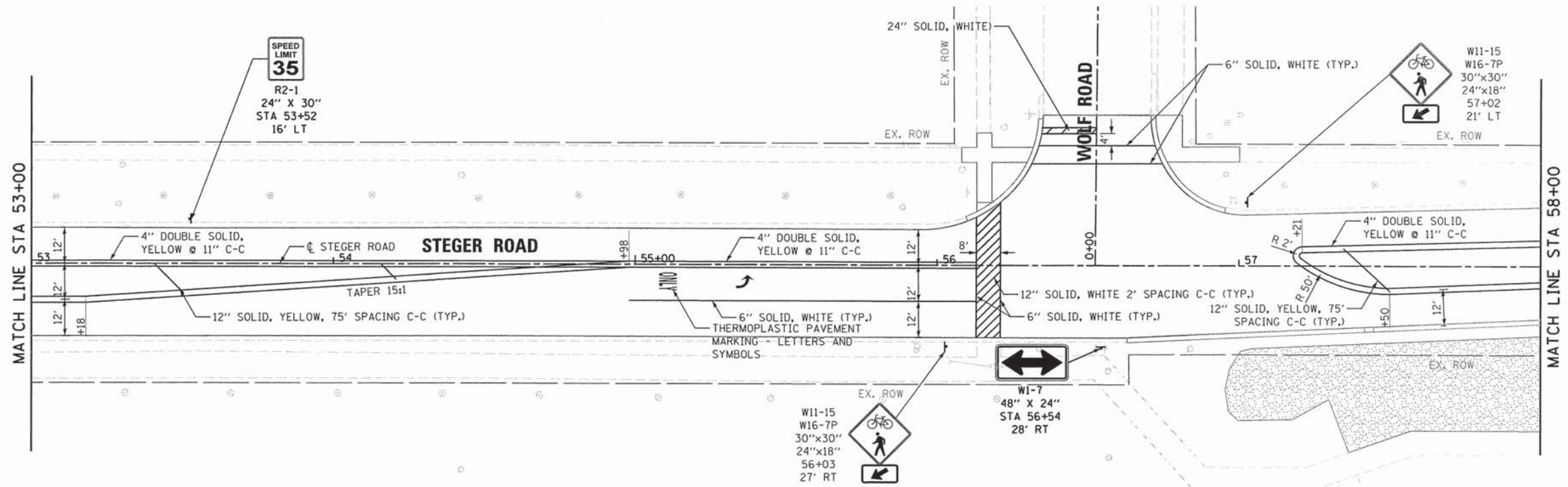
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING AND
SIGNING PLAN**

SCALE: 1" = 20' SHEET 5 OF 7 SHEETS STA. 43+00.00 TO STA. 53+00.00

F.A. RTE. 1634	SECTION 11-00047-00-FP	COUNTY WILL	TOTAL SHEETS 148	SHEET NO. 84
CONTRACT NO. 61C70			ILLINOIS FED. AID PROJECT	

80043-sht-pmk-05.dgn



USER NAME = mxbutler	DESIGNED - JIR	REVISED -
PLOT SCALE = 20,0000' / 1"	DRAWN - JIR	REVISED -
PLOT DATE = 2/1/2016	CHECKED - RMG	REVISED -
	DATE -	REVISED -

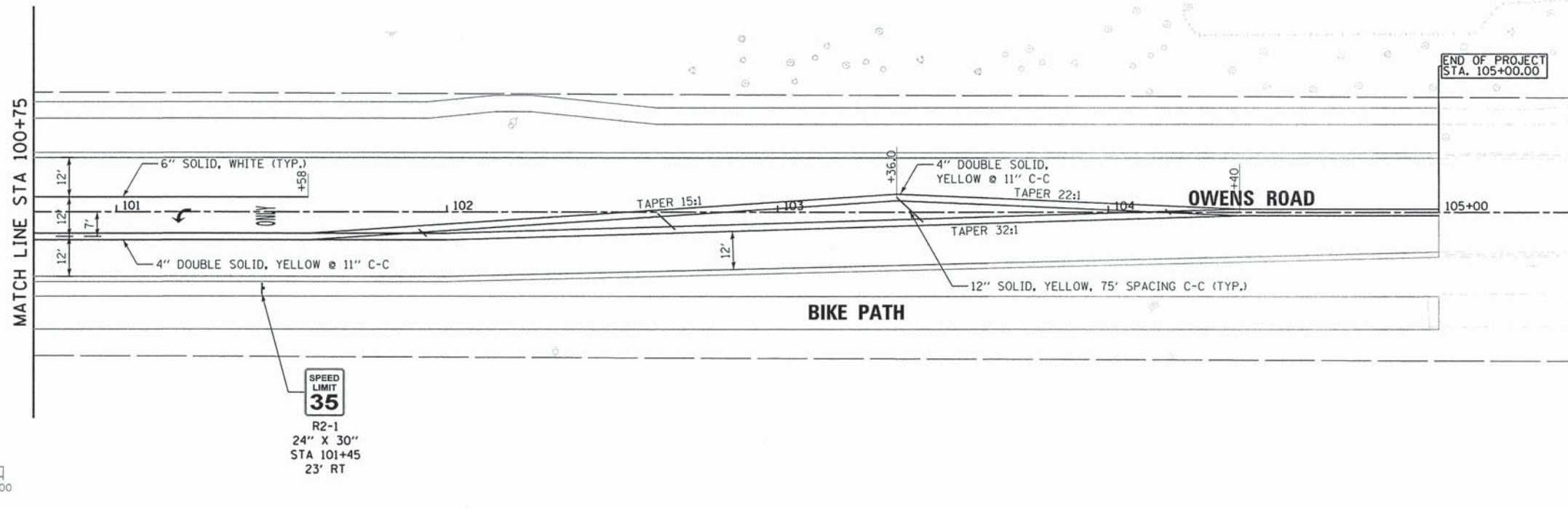
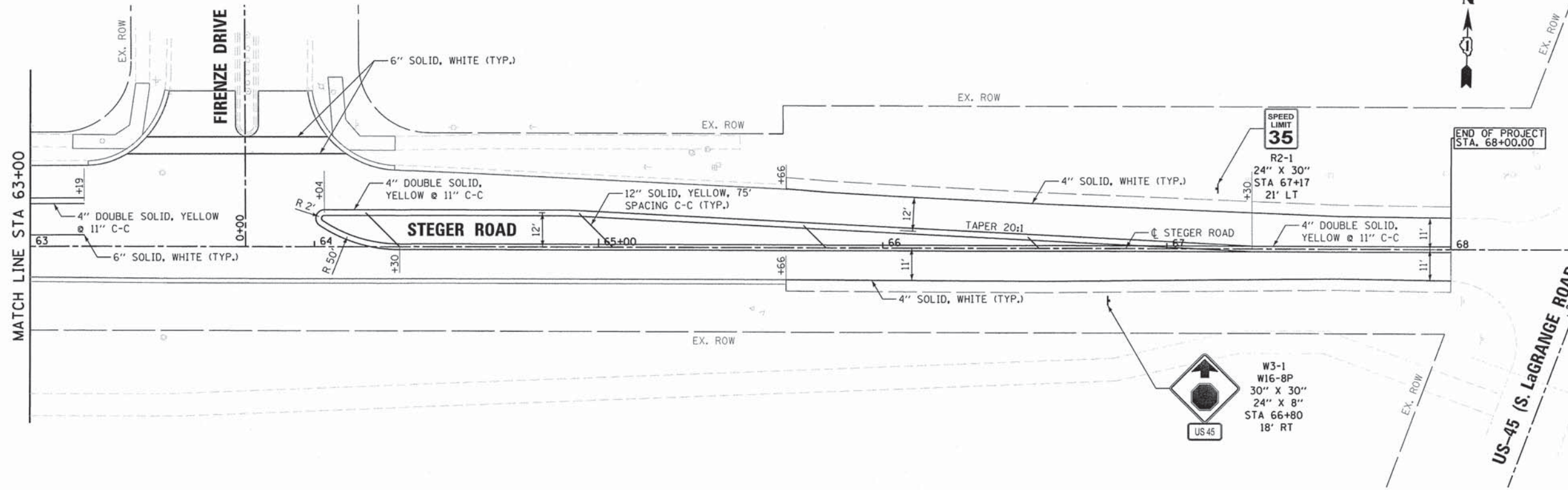
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING AND
SIGNING PLAN**

SCALE: 1" = 20' SHEET 6 OF 7 SHEETS STA. 53+00.00 TO STA. 63+00.00

F.A. RTE. 1634	SECTION 11-00047-00-FP	COUNTY WILL	TOTAL SHEETS 148	SHEET NO. 85
CONTRACT NO. 61C70				
ILLINOIS FED. AID PROJECT				

80043-sht-pmk06.dgn



USER NAME = mxbutler	DESIGNED - JIR	REVISED -
PLOT SCALE = 20,0000' / 1" =	DRAWN - JIR	REVISED -
PLOT DATE = 2/1/2016	CHECKED - RMG	REVISED -
	DATE -	REVISED -

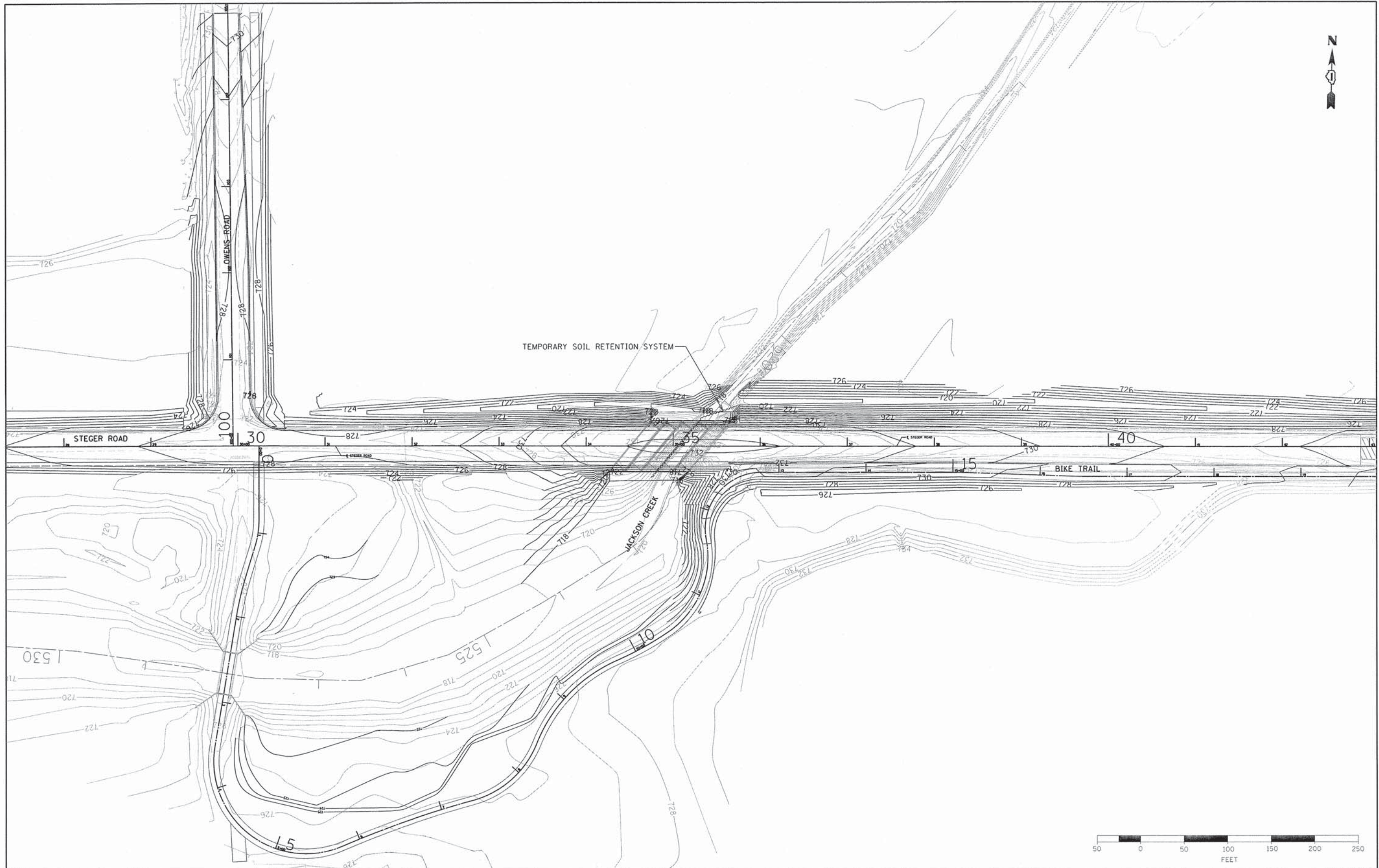
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING AND
SIGNING PLAN

SCALE: 1" = 20' SHEET 7 OF 7 SHEETS STA. 63+00.00 TO STA. 68+00.00

F.A. RTE. 1634	SECTION 11-00047-00-FP	COUNTY WILL	TOTAL SHEETS 148	SHEET NO. 86
CONTRACT NO. 61C70			ILLINOIS FED. AID PROJECT	

80043-sh1-pmk-07.dgn



USER NAME = mxbutler	DESIGNED -	REVISED -
PLOT SCALE = 50.0000' / 1" in.	DRAWN -	REVISED -
PLOT DATE = 2/1/2016	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

GRADING PLAN

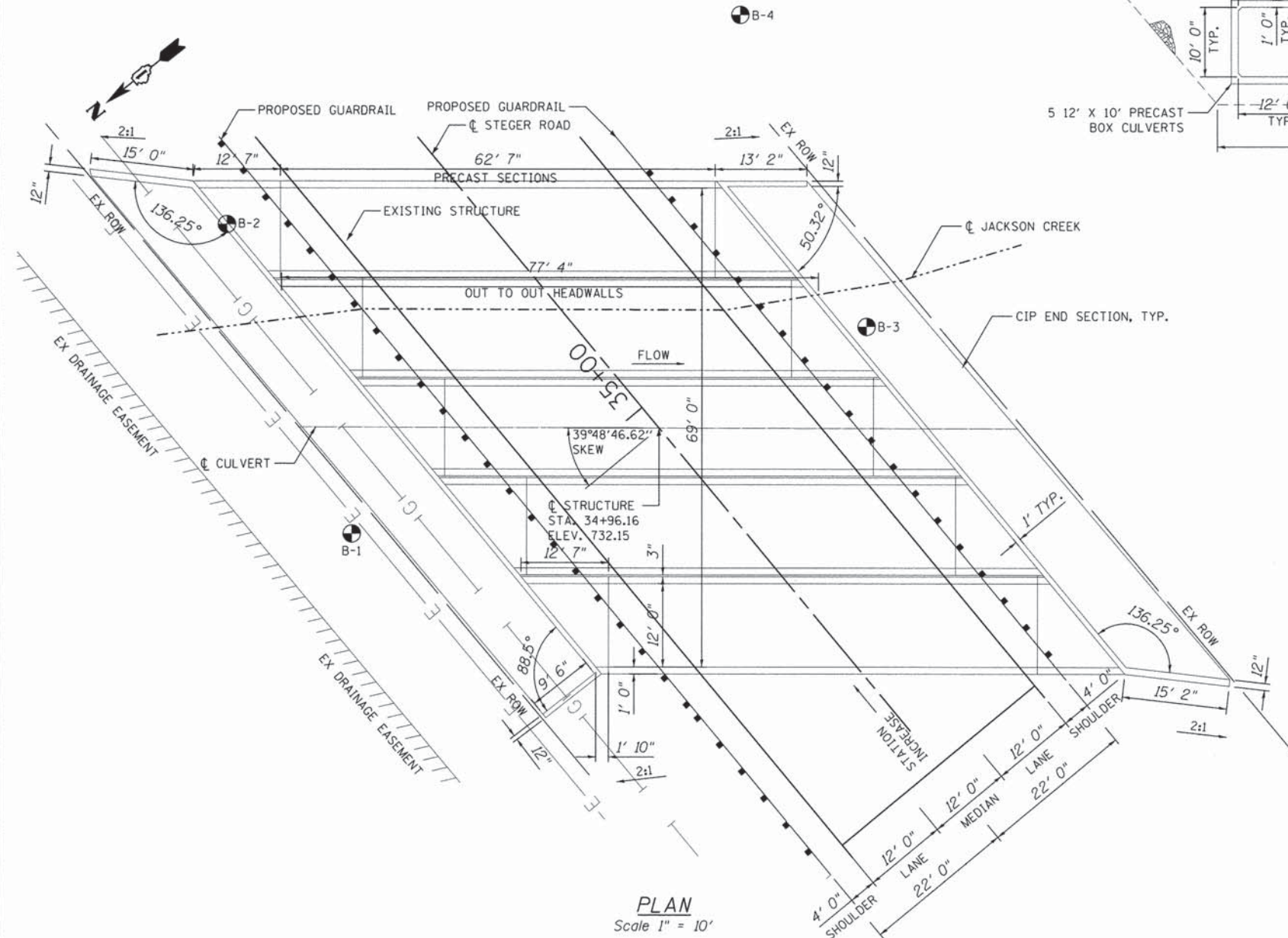
SCALE: 1"=100' SHEET 1 OF 1 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1634	11-00047-00-FP	WILL	148	87
CONTRACT NO. 61C70				
ILLINOIS FED. AID PROJECT				

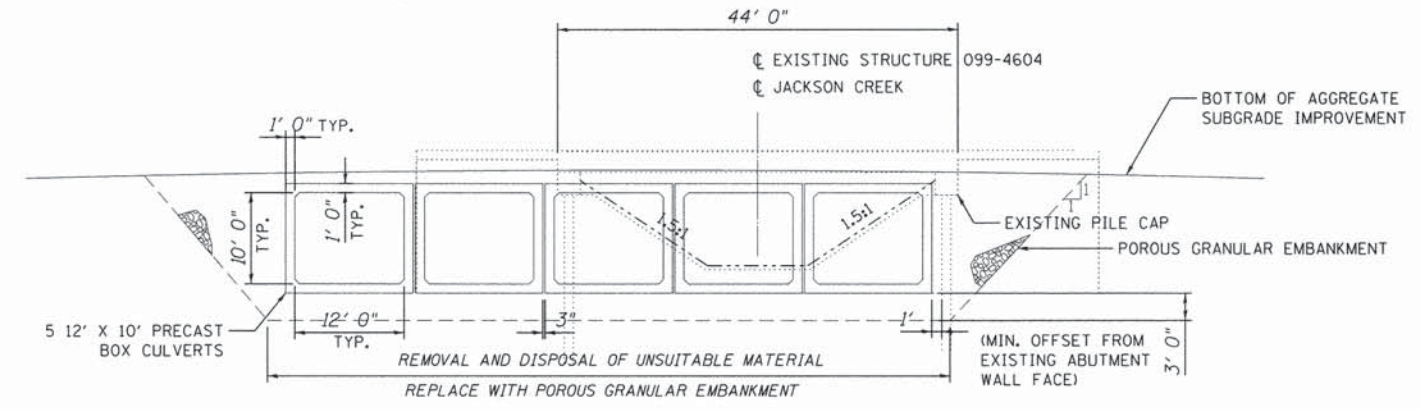
80043-sh1-grading.dgn

Bench Mark: Local Control B.M. MAG-NAIL West of SN 099-4604. N 4922.46, E 3497.99, Elevation 731.79.

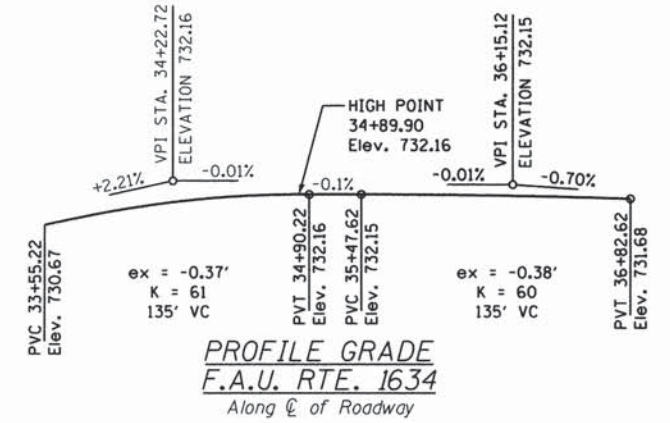
Existing Structure: S.N. 099-4604 is a PPC deck beam bridge built in 1982. The existing structure will be removed and replaced. The roadway will be closed and traffic detoured during construction. No Salvage.



PLAN
Scale 1" = 10'



SECTION THRU BARREL



PROFILE GRADE
F.A.U. RTE. 1634
Along C of Roadway

WATERWAY INFORMATION

Drainage Area = 3.22 SQ. MI. Existing Low Grade Elev. 724.60 @ Sta. 30+75
Proposed Low Grade Elev. 725.67 @ Sta. 24+83

Flood	Freq. Yr.	Opening Sq. Ft. C.F.S.	Nat. H.W.E.		Head - Ft.		Headwater El.		
			Exist.	Prop.	Exist.	Prop.	Exist.	Prop.	
Design	10	1104	199	411	724.9	0.7	0.0	725.6	724.1
Base	100	2556	244	502	726.4	0.2	0.0	726.6	726.4
Max. Calc.									

10-year velocity through Existing Bridge = 1.69 ft/s
10-year velocity through Proposed Bridge = 2.83 ft/s

DESIGN SPECIFICATIONS

(New Construction)
AASHTO LRFD Bridge Design Specifications, 7th Edition with 2015 Interim

LOADING HL-93

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

DESIGN STRESSES

FIELD & CAST-IN-PLACE UNITS
f'c = 3,500 psi
fy = 60,000 psi

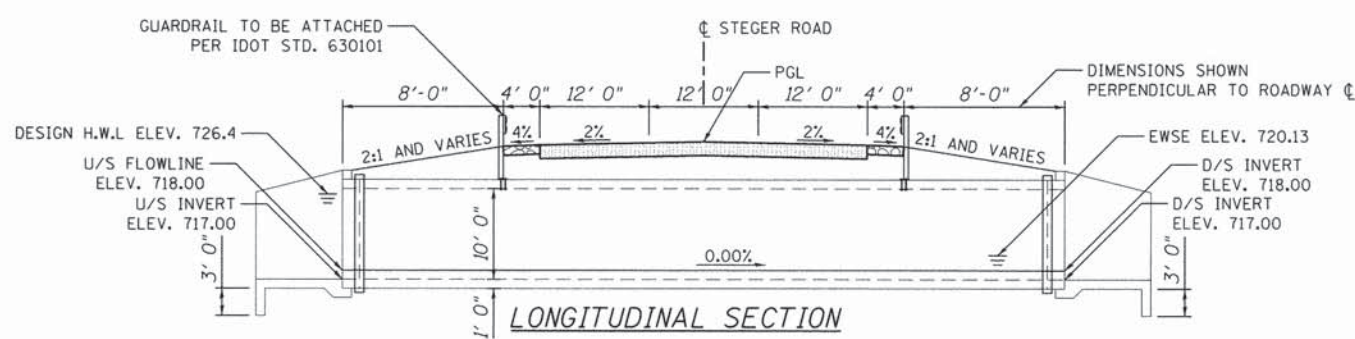
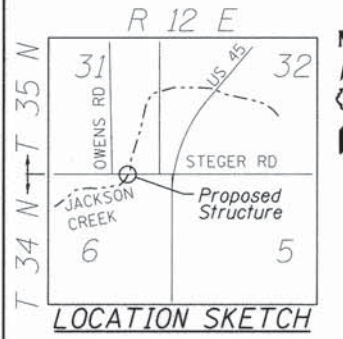
PRECAST UNITS

f'c = 5,000 psi
fy = 65,000 psi

HIGHWAY CLASSIFICATION

F.A.U. 1634 (Steger Road)
Functional Class: Major Collector
ADT: 3,477 (2015); 7,000 (2040)
ADTT: 70 (2015), 140 (2040) - 2.0%
DHW: 795
Design Speed: 40 m.p.h.
Posted Speed: 35 m.p.h.
Two-Way Traffic Directional Distribution: 50:50

GENERAL PLAN
STEGER ROAD OVER
JACKSON CREEK
F.A.U. 1634
WILL COUNTY
STATION 34+96.16
STRUCTURE NO. 099-6029



LONGITUDINAL SECTION



Jeffrey A. Rude
JEFFREY A. RUDE, S.E. ENGINEER
ILLINOIS REGISTRATION No. 081-005613
EXPIRATION DATE: 11/30/2016

I CERTIFY THAT TO THE BEST OF MY KNOWLEDGE, INFORMATION AND BELIEF, THIS BRIDGE 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 THE REQUIREMENTS OF THE CURRENT AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS.

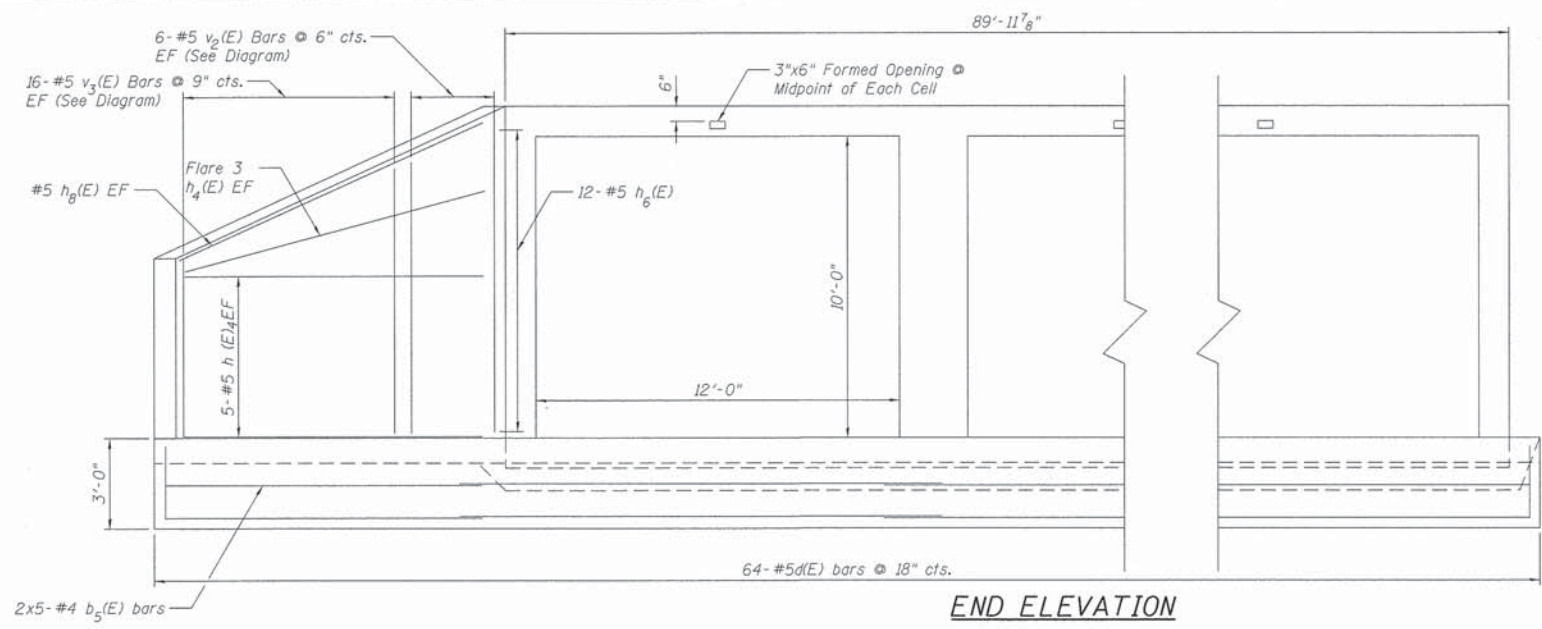
BURNS MEDONNELL
200 W. ADAMS STREET / SUITE 1600
CHICAGO, IL 60606
P: (312)-223-0920 / F: (312)-223-9664
WEB: WWW.BURNSMCD.COM

USER NAME = mxbuter	DESIGNED -	REVISED -
PLLOT SCALE = 18.00' / in.	DRAWN -	REVISED -
PLLOT DATE = 1/29/2016	CHECKED -	REVISED -
	DATE -	REVISED -

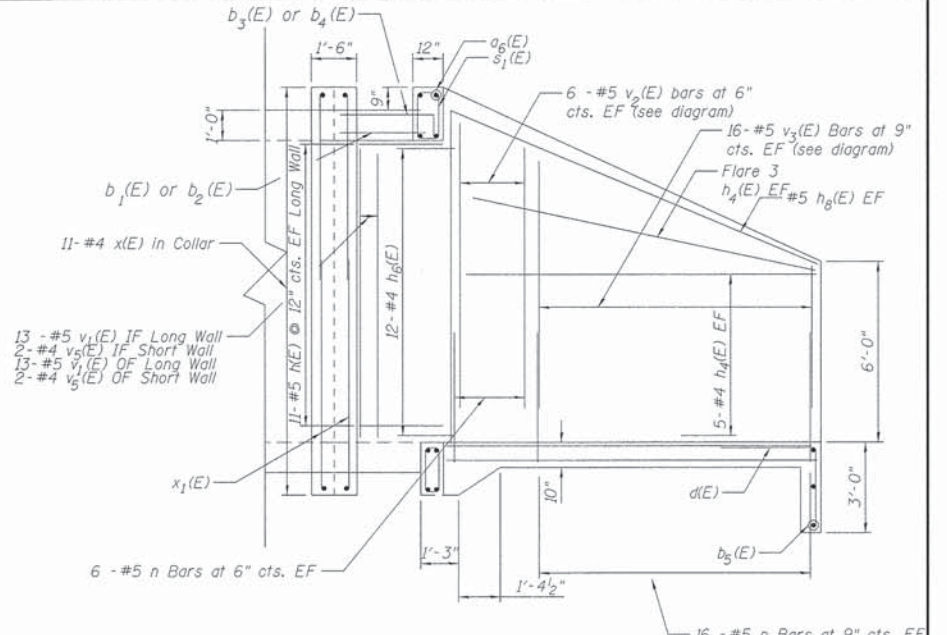
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL PLAN		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
STEGER ROAD OVER JACKSON CREEK		1634	11-00047-00-FP	WILL	148	88
SCALE: 1" = 10'	SHEET 1 OF 1 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT		

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1634	11-00047-00-FP	WILL	148	88
CONTRACT NO. 61C70				

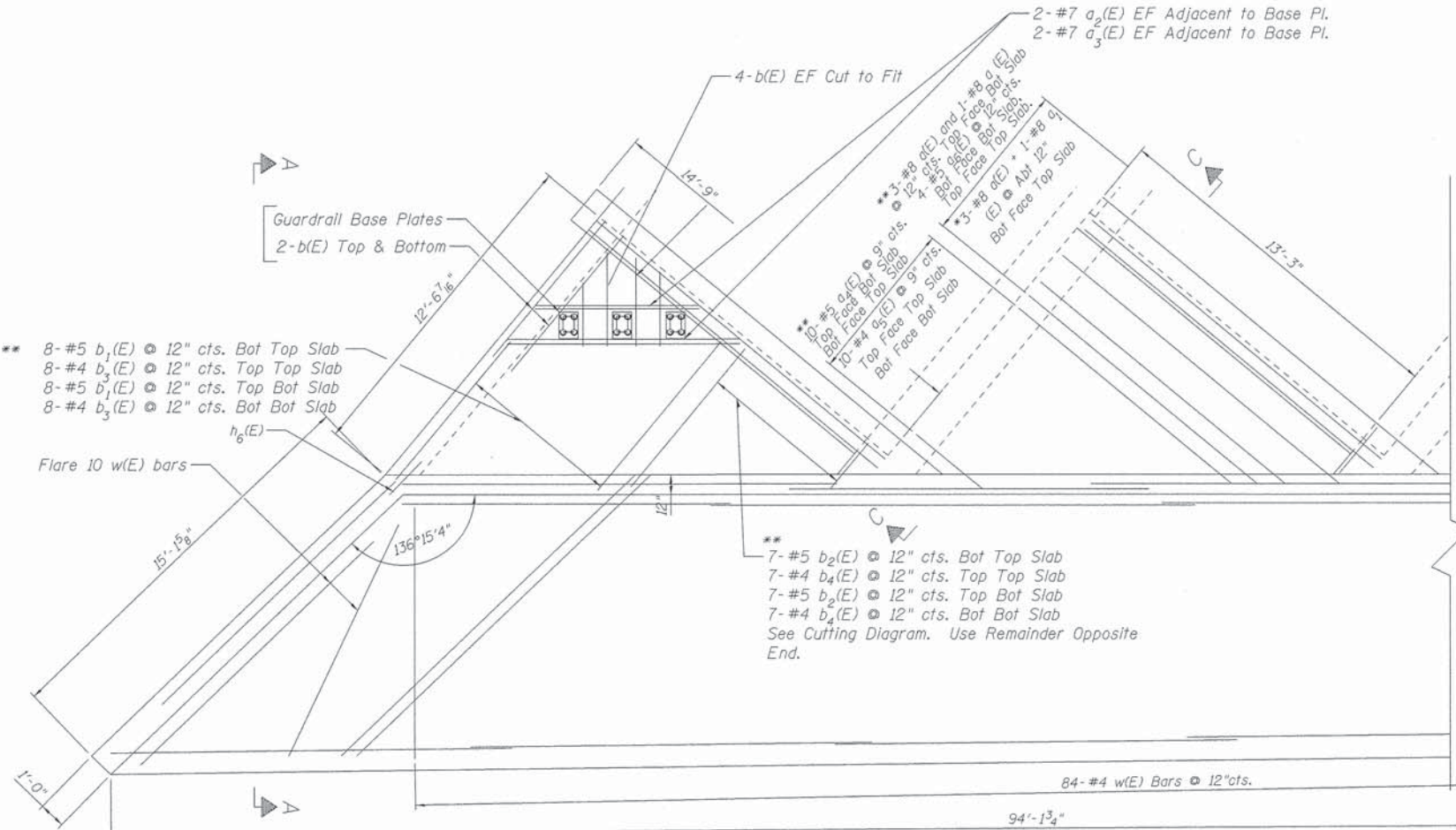


END ELEVATION

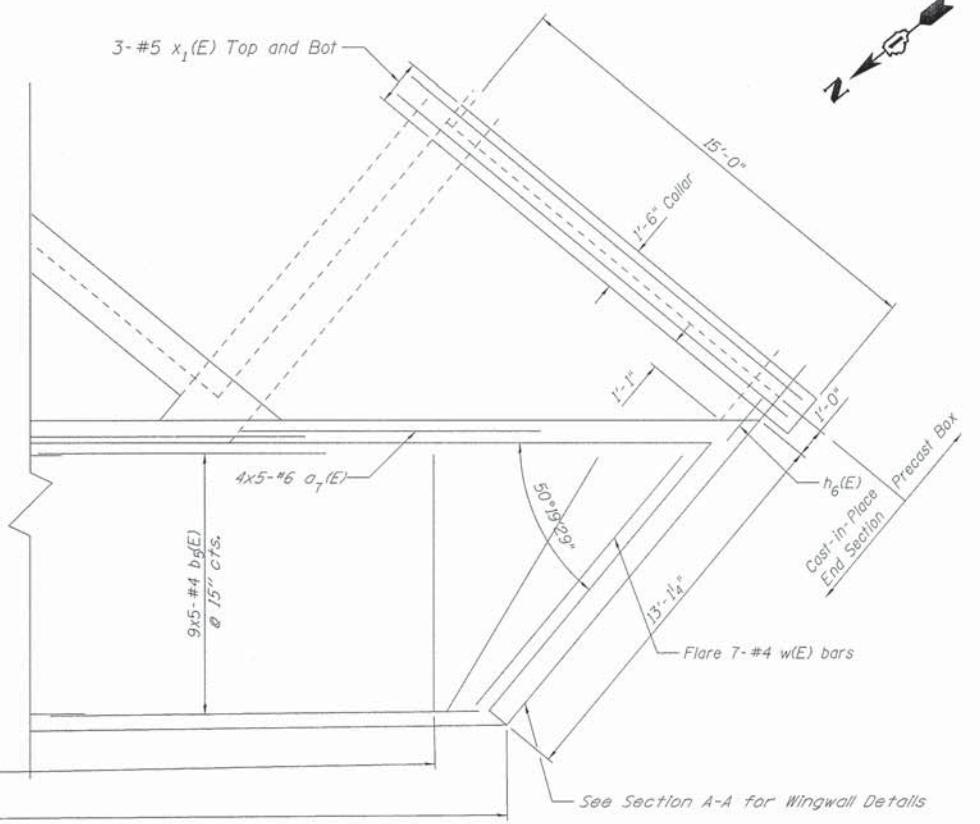


SECTION A-A

** Typical for Both North and South End Sections



PLAN



SOUTH END SECTION PLAN AND ELEVATION



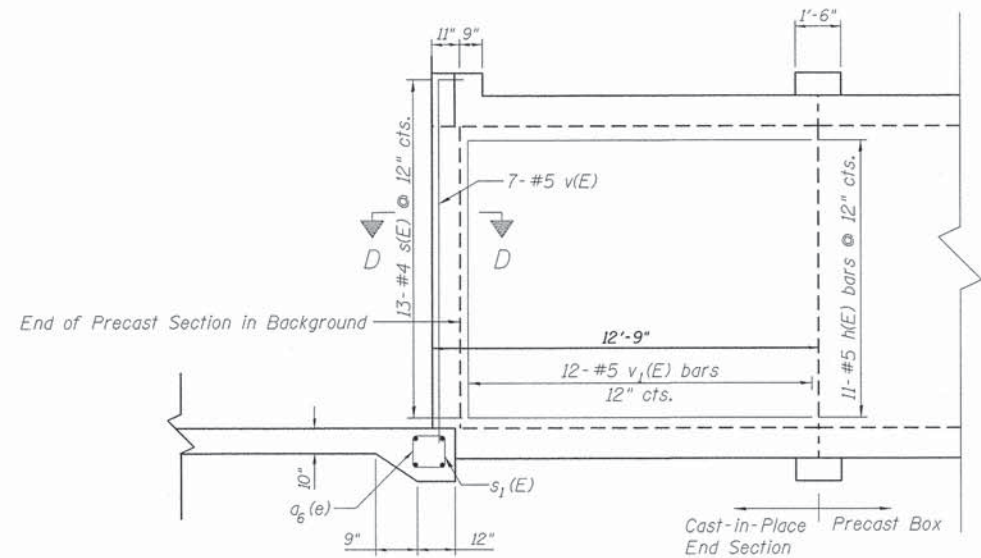
USER NAME = mxbutler	DESIGNED - JAR	REVISED -
PLOT SCALE = 3/8" = 1'	DRAWN - MJB	REVISED -
PLOT DATE = 2/1/2016	CHECKED - XXX	REVISED -
	DATE - 02/01/2016	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

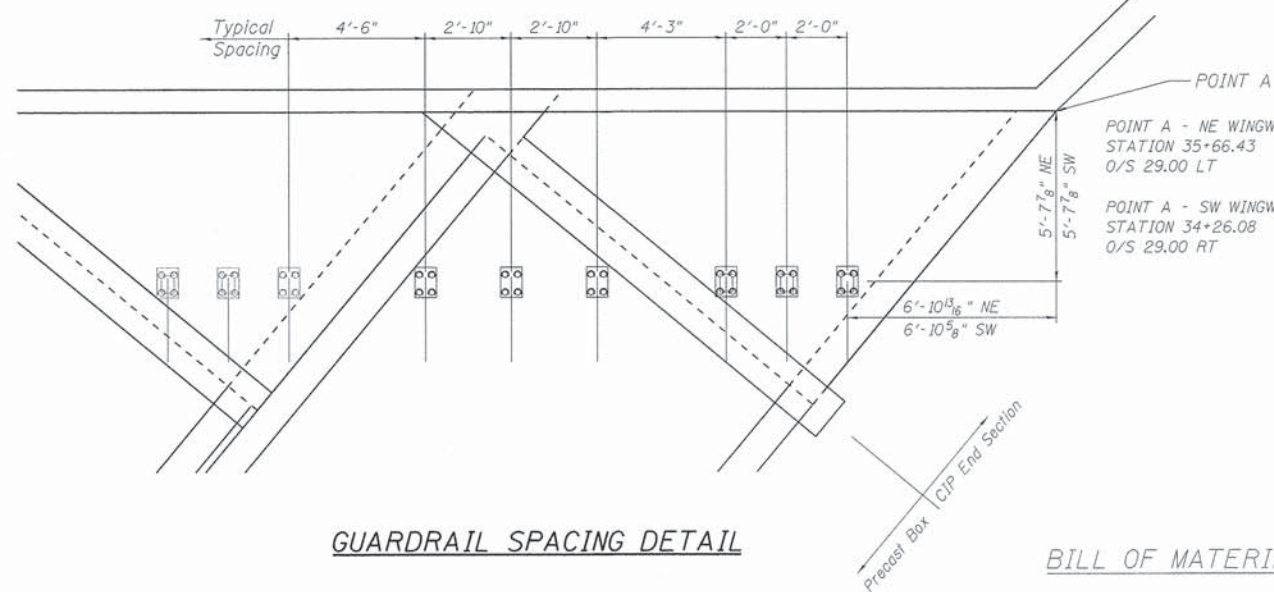
SCALE: 1"=3' SHEET OF SHEETS STA. TO STA.

F.A. RTE. 1634	SECTION 11-00047-00-FP	COUNTY WILL	TOTAL SHEETS 148	SHEET NO. 90
CONTRACT NO. 61C70				
ILLINOIS FED. AID PROJECT				

80042-shl_Sv_SEndSectionPlanElev.dgn



SECTION C-C - INTERIOR FACE DETAIL

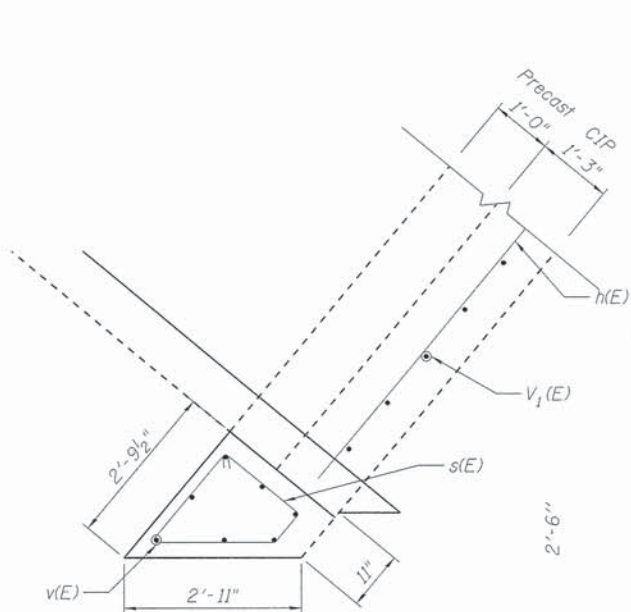


GUARDRAIL SPACING DETAIL

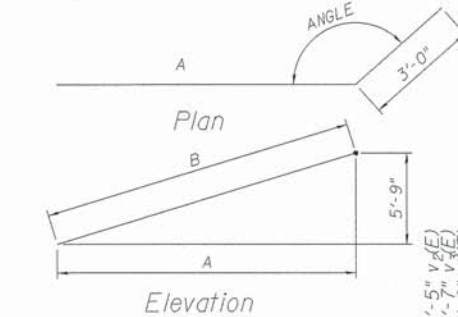
BILL OF MATERIAL

Bar	A	B	Angle
$h_2(E)$	9'-10"	11'-5"	88°38'26"
$h_5(E)$	14'-8"	15'-9"	136°15'4"
$h_7(E)$	12'-7"	13'-10"	50°19'29"
$h_8(E)$	15'-0"	16'-1"	136°15'4"

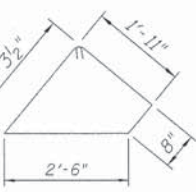
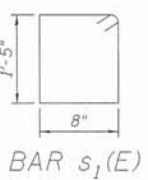
Bar	No.	Size	Length	Shape
a	60	#8	13'-6"	—
$a_1(E)$	20	#8	12'-0"	—
$a_2(E)$	40	#7	8'-6"	—
$a_3(E)$	40	#7	6'-0"	—
$a_4(E)$	100	#5	12'-9"	—
$a_5(E)$	100	#4	12'-9"	—
$a_6(E)$	80	#5	13'-6"	—
$a_7(E)$	80	#6	21'-0"	—
b(E)	240	#5	7'-9"	—
$b_1(E)$	160	#5	8'-4"	—
$b_2(E)$	70	#5	10'-0"	—
$b_3(E)$	160	#4	8'-4"	—
$b_4(E)$	70	#4	8'-5"	—
$b_5(E)$	110	#5	21'-11"	—
d	133	#5	5'-4"	—
h	132	#5	12'-3"	—
$h_1(E)$	16	#4	9'-10"	—
$h_2(E)$	2	#5	14'-5"	—
$h_3(E)$	24	#4	3'-3"	—
$h_4(E)$	48	#5	14'-10"	—
$h_5(E)$	2	#5	18'-9"	—
$h_6(E)$	72	#5	5'-0"	—
$h_7(E)$	2	#5	16'-10"	—
$h_8(E)$	2	#5	19'-1"	—
n	164	#5	5'-2"	—
s	104	#4	8'-1"	□
$s_1(E)$	316	#4	4'-2"	□
h	1	#5	19'-1"	—
v	56	#5	12'-3"	—
$v_1(E)$	126	#5	16'-6"	—
$v_2(E)$	24	#5	19'-5"	—
$v_3(E)$	48	#5	13'-7"	—
$v_4(E)$	5	#5	13'-0"	—
w(E)	203	#4	10'-0"	—
x	344	#4	1'-2"	—
x_1	24	#5	22'-7"	—
x_2	36	#5	13'-11"	—
* Reinforcement Bars			Pound	30,240
Concrete Headwalls			Cu. Yd.	272
Precast Concrete Box Culverts 12'x10'			Feet	315



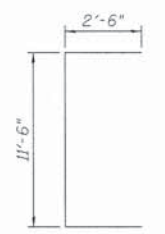
SECTION D-D - INTERIOR COLUMN DETAIL



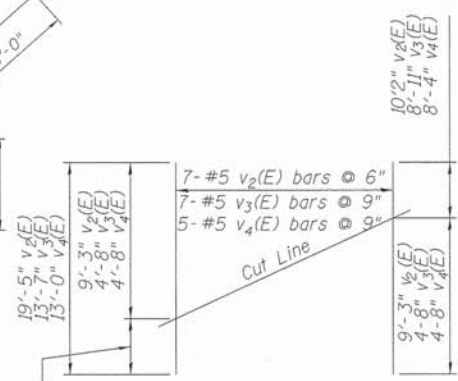
BAR $h_2(E)$, $h_5(E)$, $h_7(E)$, $h_8(E)$



BAR $s_1(E)$

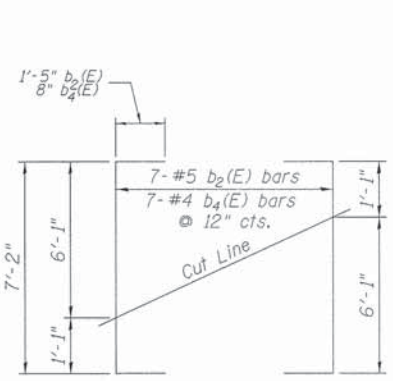


BAR $b_1(E)$ $b_2(E)$



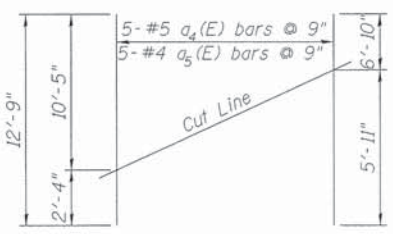
FIELD CUTTING DIAGRAM

$v_2(E)$, $v_3(E)$, $v_4(E)$
Order bars full length. Cut as shown and place as per plan. Use Remainder on Opposite Face.



FIELD CUTTING DIAGRAM

$b_2(E)$ and $b_4(E)$
Order bars full length. Cut as shown and place as per plan.



FIELD CUTTING DIAGRAM

$a_4(E)$ and $a_5(E)$
Order bars full length. Cut as shown and place as per plan.

*Reinforcement bar and concrete quantities shown for information only. End sections are paid as Concrete End Section, Each. Quantity = 2. Guardrail is paid as Steel Plate Beam Guardrail, Attached to Existing Structures, Foot.

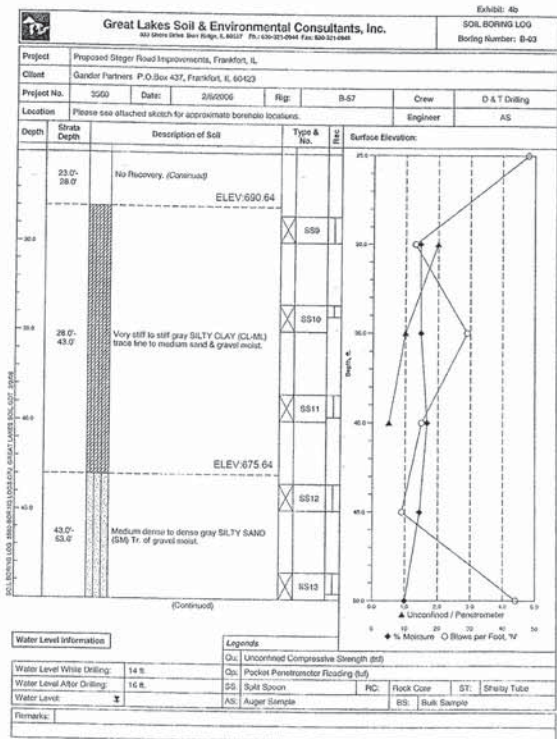
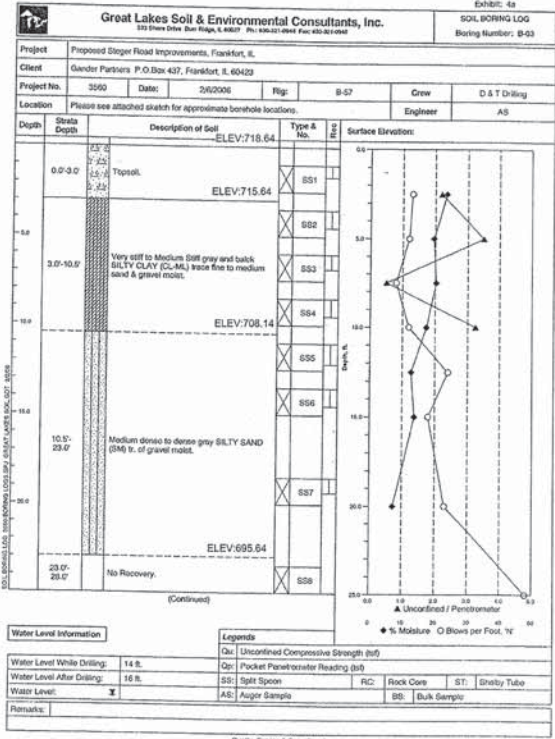
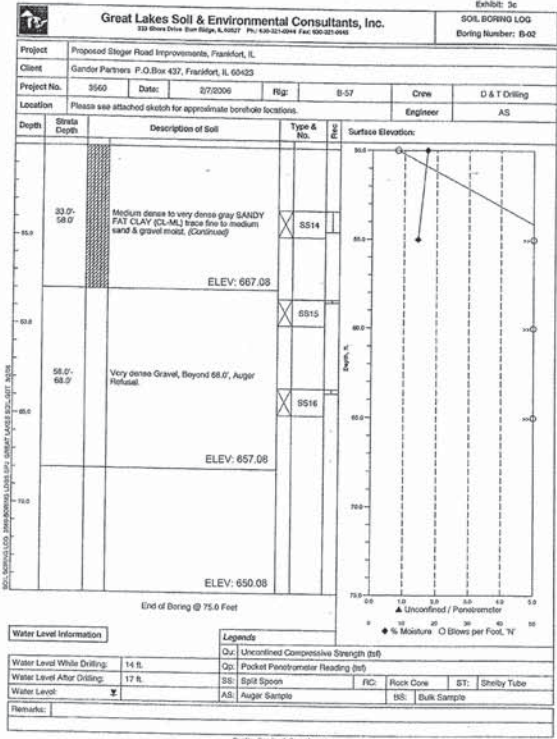
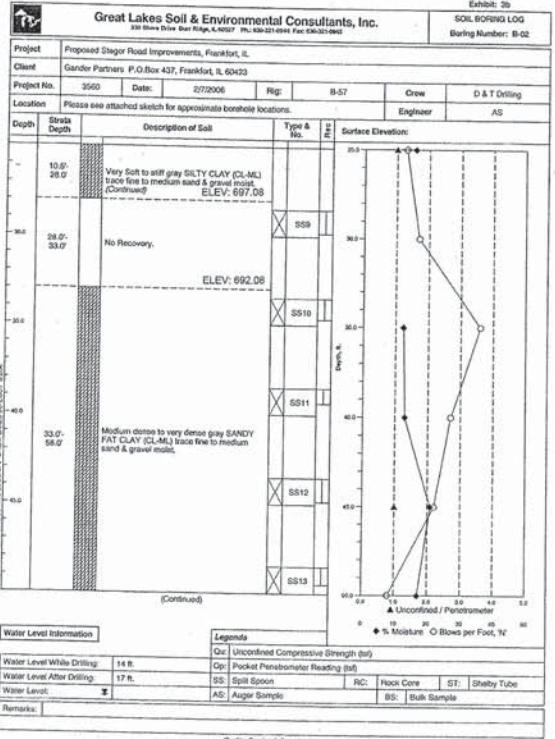
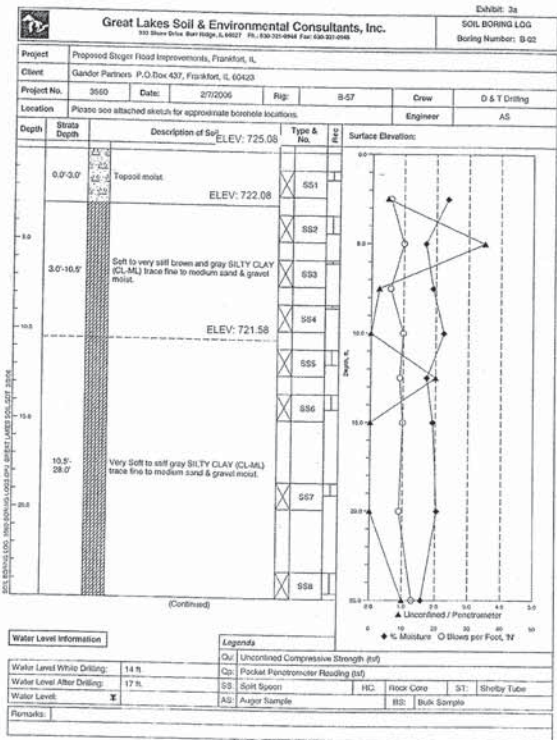
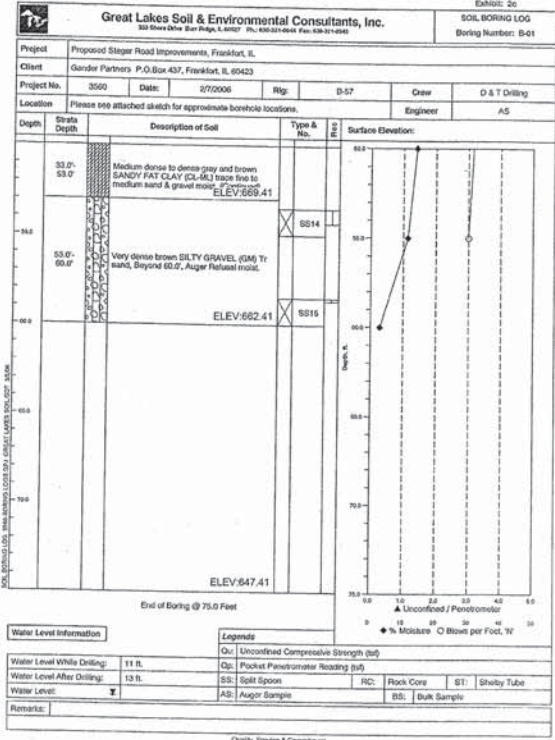
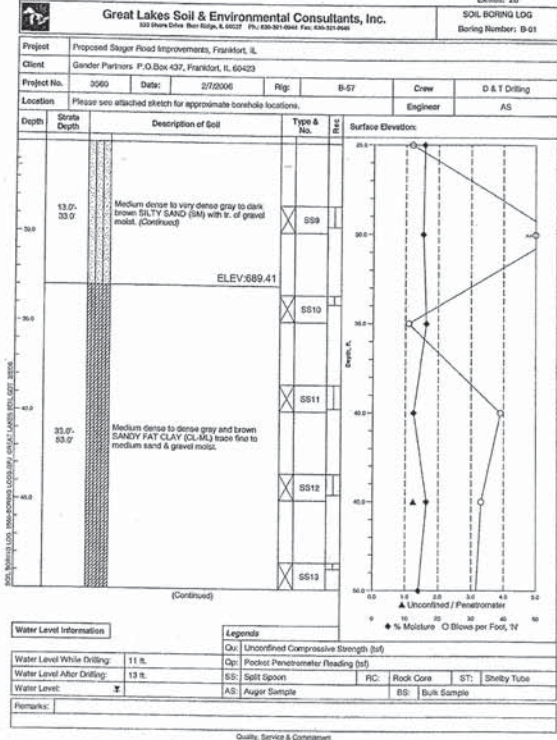
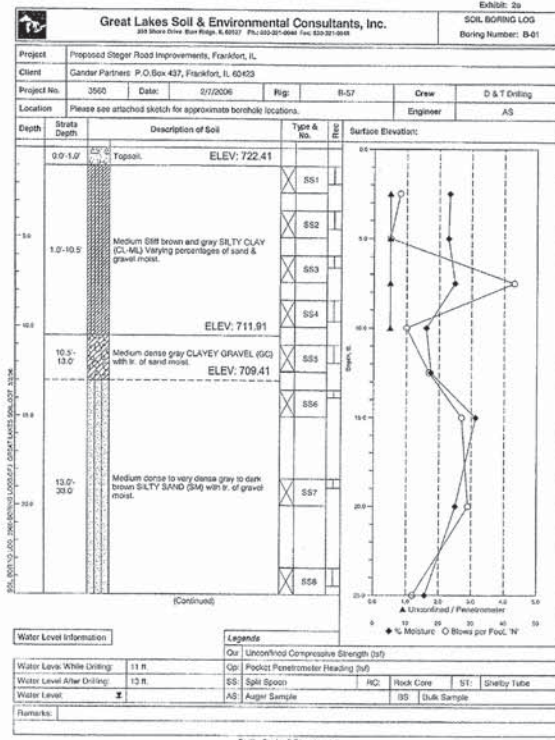


USER NAME = mxbutler	DESIGNED - JAR	REVISED -
DRAWN - MJB	REVISIONS -	
PLLOT SCALE = 3/8" = 1' / in.	CHECKED - XXX	REVISED -
PLLOT DATE = 2/1/2016	DATE - 02/01/2016	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STRUCTURE DETAILS			
SCALE: NONE	SHEET	OF SHEETS	STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1634	11-00047-00-FP	WILL	148	91
				CONTRACT NO. 61C70
ILLINOIS FED. AID PROJECT				



USER NAME = mxbutler	DESIGNED - JAR	REVISED -
PLOT SCALE = 1/8" = 1'	DRAWN - MJB	REVISED -
PLOT DATE = 2/1/2016	CHECKED - RMG	REVISED -
	DATE - 02/01/2016	REVISED -

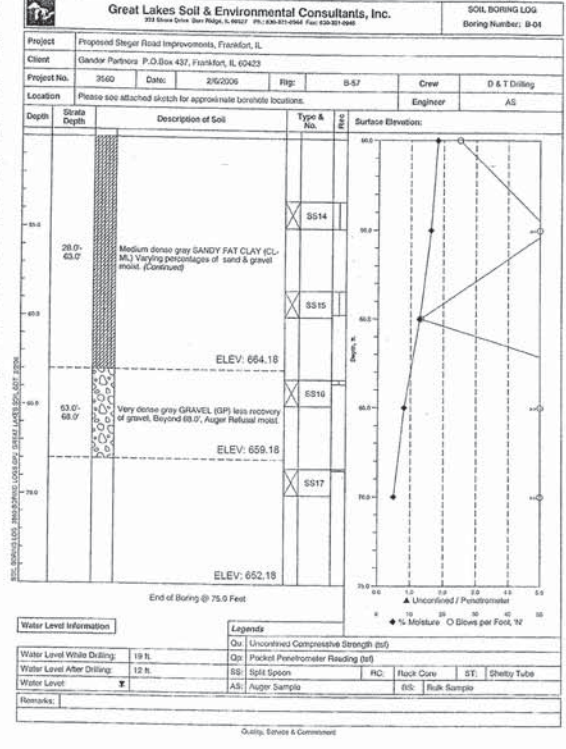
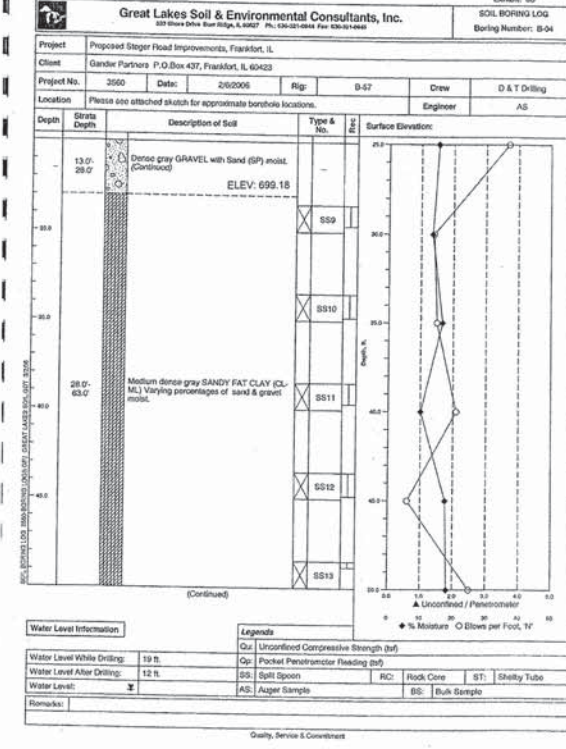
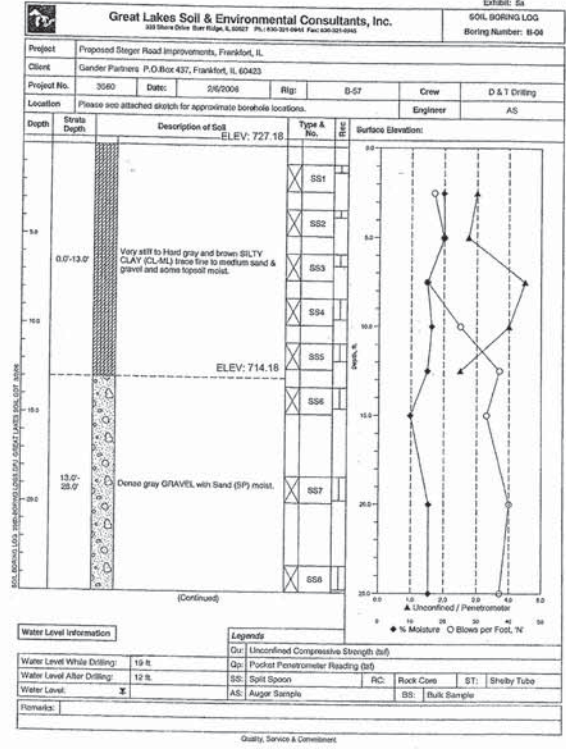
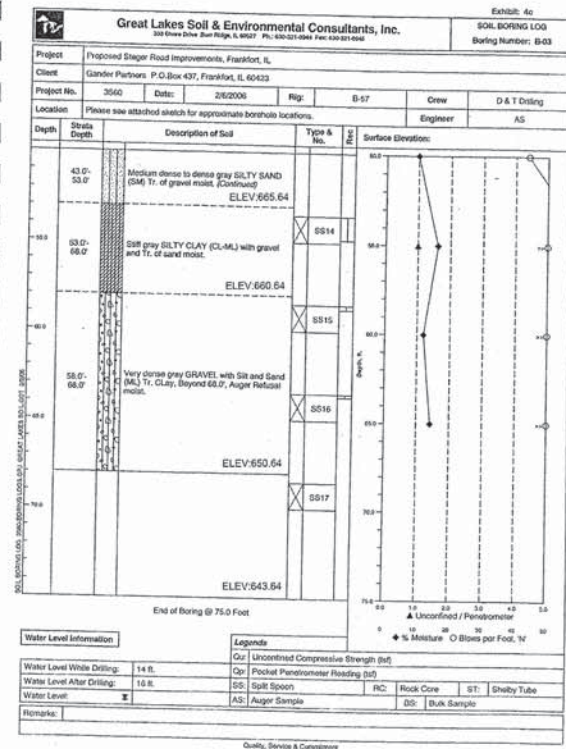
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BORING LOGS

SCALE: NONE SHEET 1 OF 2 SHEETS STA. TO STA.

F.A. RTE. 1634	SECTION 11-00047-00-FP	COUNTY WILL	TOTAL SHEETS 148	SHEET NO. 92
CONTRACT NO. 61C70				
ILLINOIS FED. AID PROJECT				

88043-sh_t-Stv-BoringLog1.dgn



USER NAME = mxbutler
 PLOT SCALE = 1.00" = 10'
 PLOT DATE = 2/1/2016

DESIGNED - JAR
 DRAWN - MJB
 CHECKED - RMG
 DATE - 02/01/2016

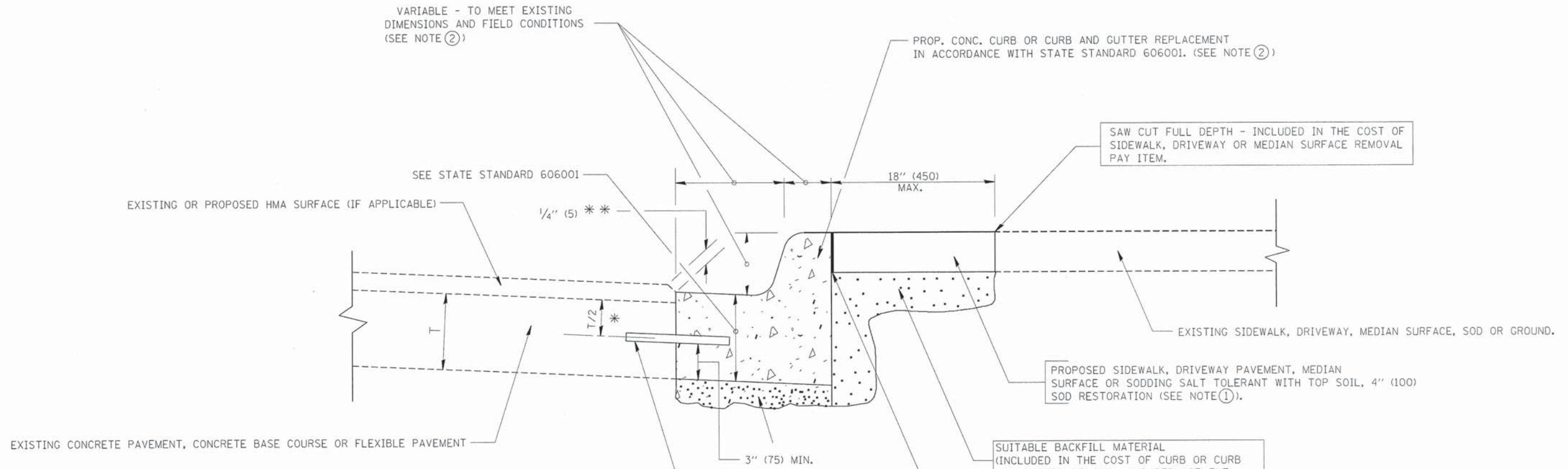
REVISED -
 REVISED -
 REVISED -
 REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

BORING LOGS
 SCALE: NONE SHEET 2 OF 2 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1634	11-00047-00-FP	WILL	148	93
CONTRACT NO. 61C70				
ILLINOIS FED. AID PROJECT				

82043-sh1-Str-BoringLogs2.dgn



- * 3" (75) MINIMUM FROM TOP AND BOTTOM OF THE CONCRETE PAVEMENT OR BASE COURSE.
 - ** IF THE FINAL SURFACE OF THE PAVEMENT IS CONCRETE, THE GUTTER IS TO BE FLUSH WITH THE PAVEMENT.
- NOTE: ① SIDEWALK, DRIVEWAY PAVEMENT OR MEDIAN SURFACE SHALL BE SIMILAR TO THE MATERIAL BEING REMOVED AND WILL BE PAID FOR SEPARATELY.
SODDING, SALT TOLERANT AND TOP SOIL, FURNISH AND PLACE 4" WILL BE PAID FOR SEPARATELY.
- ② FERTILIZER FOR THE PLACEMENT OF THE SOD IS NOT REQUIRED
- ③ CURB OR CURB AND GUTTER REPLACEMENT SHALL MATCH THE SHAPE OF THE EXISTING CURB OR CURB AND GUTTER UNLESS OTHERWISE SPECIFIED.
- ④ FOR CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT ADJACENT TO FLEXIBLE PAVEMENT DELETE EPOXY COATED TIE BARS.
- ⑤ LONGITUDINAL BARS, IF ENCOUNTERED IN THE EXISTING CURB OR CURB AND GUTTER, ARE NOT TO BE REPLACED. CUTTING AND REMOVING LONGITUDINAL BARS SHALL BE INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT.
- ⑥ THE COST OF HMA SURFACE REMOVAL IN THE EXISTING GUTTER FLAG SHALL BE INCLUDED IN THE COST OF THE CURB AND GUTTER REMOVAL AND REPLACEMENT.
- ⑦ THE REMOVAL AND REPLACEMENT OF THE EXISTING CURB OR CURB AND GUTTER SHALL BE DONE IN ACCORDANCE WITH THE APPLICABLE PORTIONS OF SECTION 440 AND 606 OF THE STANDARD SPECIFICATIONS.
- ⑧ THE LOCATIONS OF REMOVAL AND REPLACEMENT OF EXISTING CURB OR CURB AND GUTTER SHALL BE DETERMINED BY THE RESIDENT ENGINEER AT THE TIME OF CONSTRUCTION.

UNSUITABLE SUB-BASE MATERIAL TO BE REMOVED, IF DIRECTED BY THE ENGINEER, SHALL BE REPLACED WITH EITHER SUB-BASE GRANULAR MATERIAL, TYPE B OR ADDITIONAL THICKNESS OF CONCRETE.

REMOVAL AND REPLACEMENT 4" (100) OR LESS IS INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT.

REMOVAL AND REPLACEMENT IN EXCESS OF 4" (100) WILL BE PAID FOR IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS.

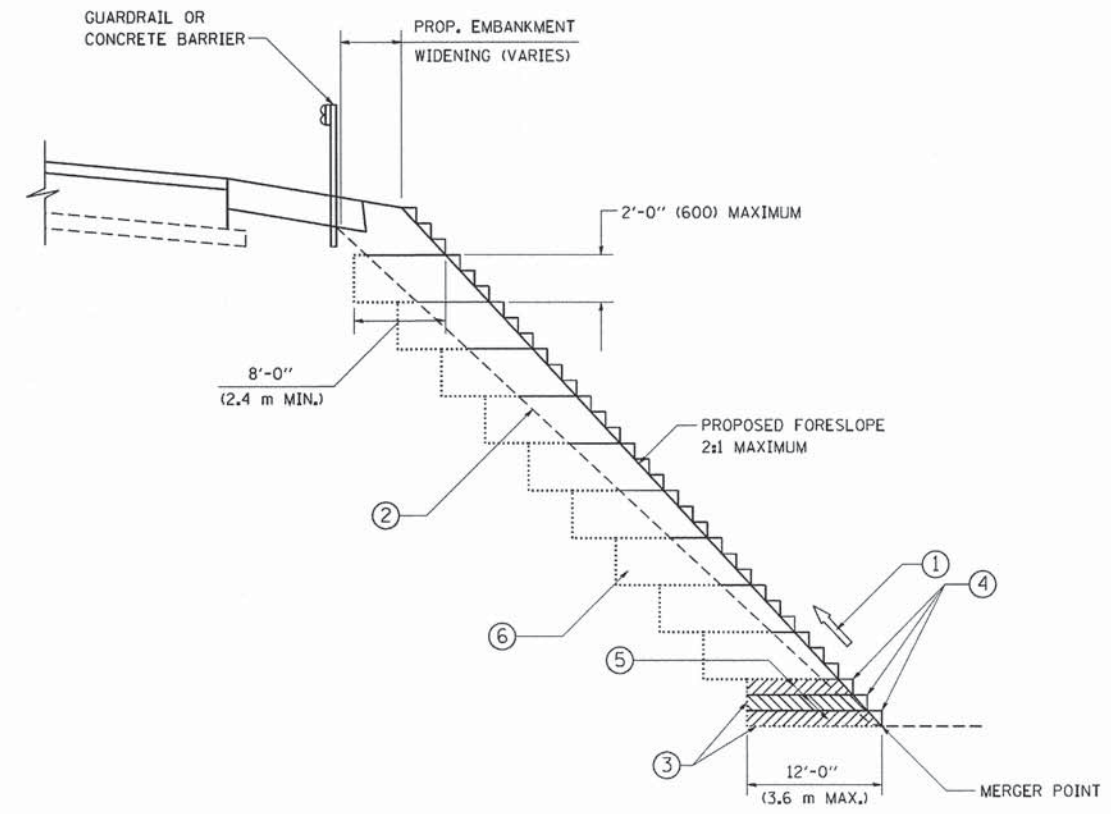
PROPOSED #6 (20) EPOXY COATED TIE BARS 24" (600) LONG AT 24" (600) CENTERS WILL NOT BE PAID FOR SEPARATELY. DELETE EPOXY COATED TIE BARS IF EXISTING TIE BARS ARE USUABLE AS DETERMINED BY THE ENGINEER. (SEE NOTE ③).

~~BASIS OF PAYMENT:
THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER FOOT (METER) FOR "CURB REMOVAL AND REPLACEMENT" OR "COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT".~~

CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

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

FILE NAME =	USER NAME = drlvkosgn	DESIGNED - A. HOUSEH	REVISED - R. SHAH 10-03-96	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
		DRAWN -	REVISED - A. ABBAS 03-21-97			1634	11-000-47-00-FP	WILL	148	94	
	PLOT SCALE = 50.000' / IN.	CHECKED -	REVISED - M. GOMEZ 01-22-01			BD600-06 (BD-24)		CONTRACT NO. <i>6K70</i>			
	PLOT DATE = 12/15/2009	DATE - 03-11-94	REVISED - R. BORO 12-15-09			SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT	



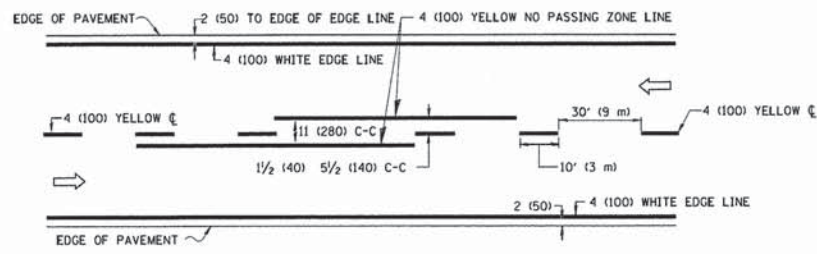
**TYPICAL BENCHING DETAIL
FOR EMBANKMENT**

NOTES:

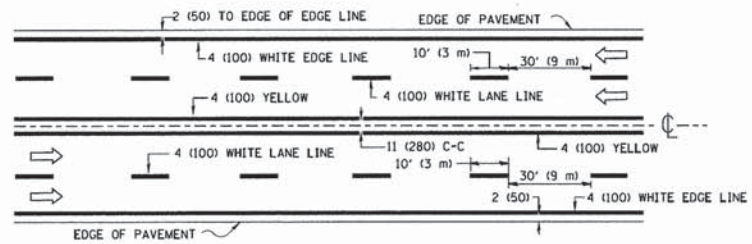
- ① CONSTRUCT SUCCEEDING BENCH CUTS AND EMBANKMENT PLACEMENT AND COMPACTION FROM BOTTOM TO TOP IN STAIRSTEP FASHION.
- ② EXISTING FORESLOPE PREPARED IN ACCORDANCE WITH ARTICLE 205.03 OF THE STANDARD SPECIFICATIONS.
- ③ BENCH CUT EXISTING SLOPE TYPICAL FOR EACH STEP.
- ④ TRIM TO FINAL SLOPE.
- ⑤ EQUAL 8-INCH (200) LIFTS OF EMBANKMENT COMPACTED IN ACCORDANCE WITH ARTICLE 205.05 OF THE STANDARD SPECIFICATIONS.
- ⑥ EXCAVATION OF BENCH CUTS WITHIN EXISTING EMBANKMENT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER CUBIC METER OR CUBIC YARD FOR "EARTH EXCAVATION". THIS PRICE WILL INCLUDE ALL LABOR AND MATERIAL, NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- ⑦ SLOPES SHALL BE BENCHED ACCORDING TO THIS DETAIL WHEN THE SLOPE IS STEEPER THAN 4:1 AND THE HEIGHT IS GREATER THAN 5' (1.5 m).

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

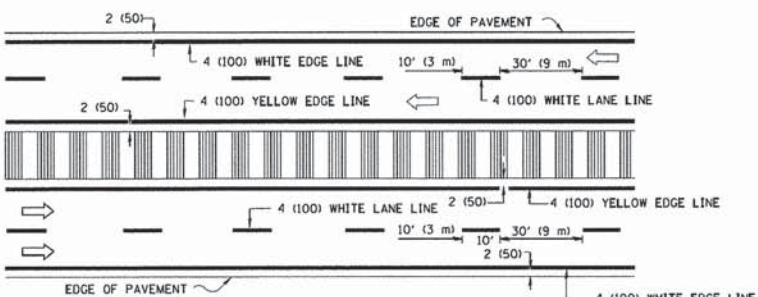
FILE NAME = W:\diststd\22x34\bd51.dgn	USER NAME = gegljanobt	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	BENCHING DETAIL FOR EMBANKMENT WIDENING			F.A. RTE. =	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
	PLOT SCALE = 50.0000' / 1"	DRAWN - CADD	REVISED -		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	1634	11-000-47-00-FP	WILL	148	95
	PLOT DATE = 1/4/2008	CHECKED - S.E.B.	REVISED -						BD-51			CONTRACT NO. 61C70	
		DATE - 06-16-04	REVISED -						FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



2-LANE ROADWAY

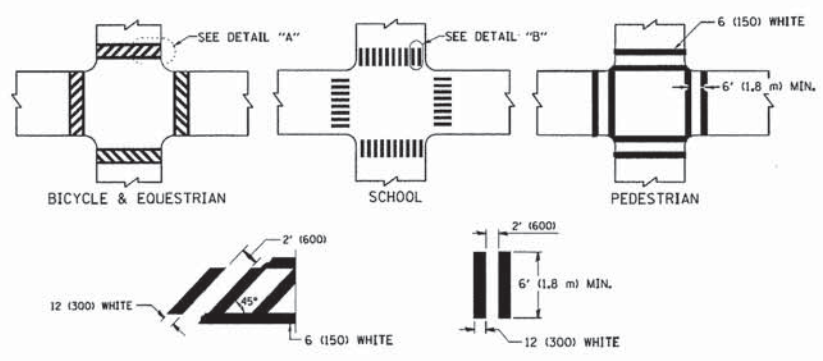


MULTI-LANE UNDIVIDED



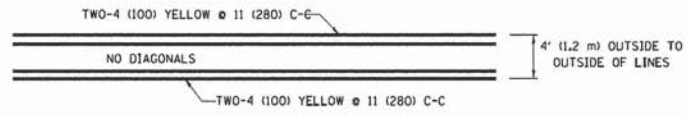
MULTI-LANE DIVIDED WITH MEDIAN

TYPICAL LANE AND EDGE LINE MARKING

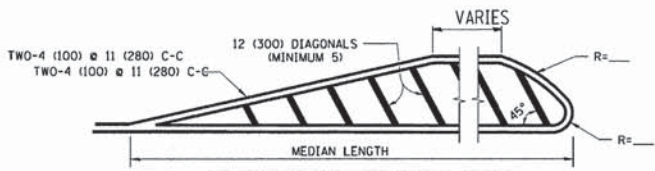


TYPICAL CROSSWALK MARKING

* MARKINGS SHALL BE INSTALLED PARALLEL TO THE CENTERLINE OF THE ROAD WHICH IT CROSSES

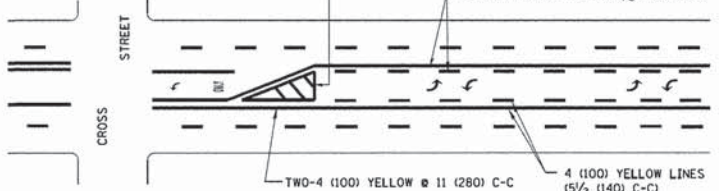


4' (1.2 m) WIDE MEDIANS ONLY



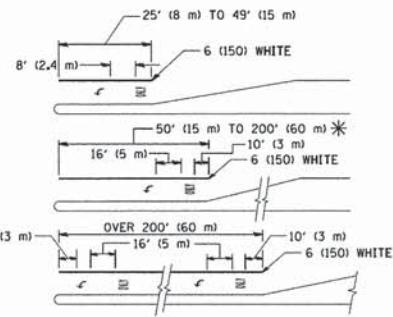
MEDIANS OVER 4' (1.2 m) WIDE

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))



MEDIAN WITH TWO-WAY LEFT TURN LANE

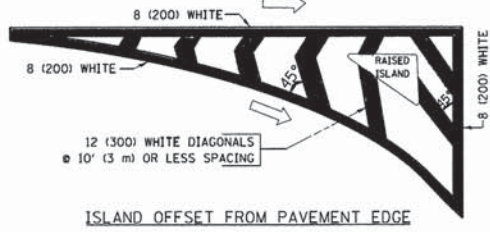
TYPICAL PAINTED MEDIAN MARKING



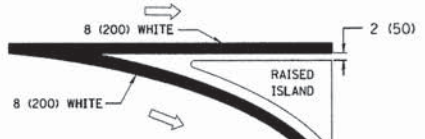
TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING

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

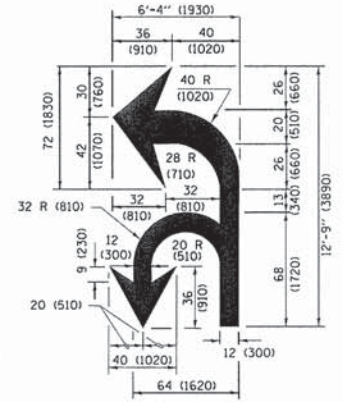


ISLAND OFFSET FROM PAVEMENT EDGE

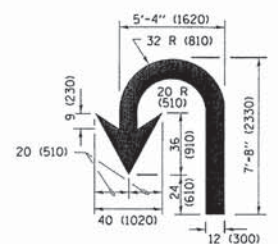


ISLAND AT PAVEMENT EDGE

TYPICAL ISLAND MARKING



COMBINATION LEFT AND U-TURN



U-TURN

D(FT)	SPEED LIMIT
345	30
425	35
500	40
580	45
665	50
750	55

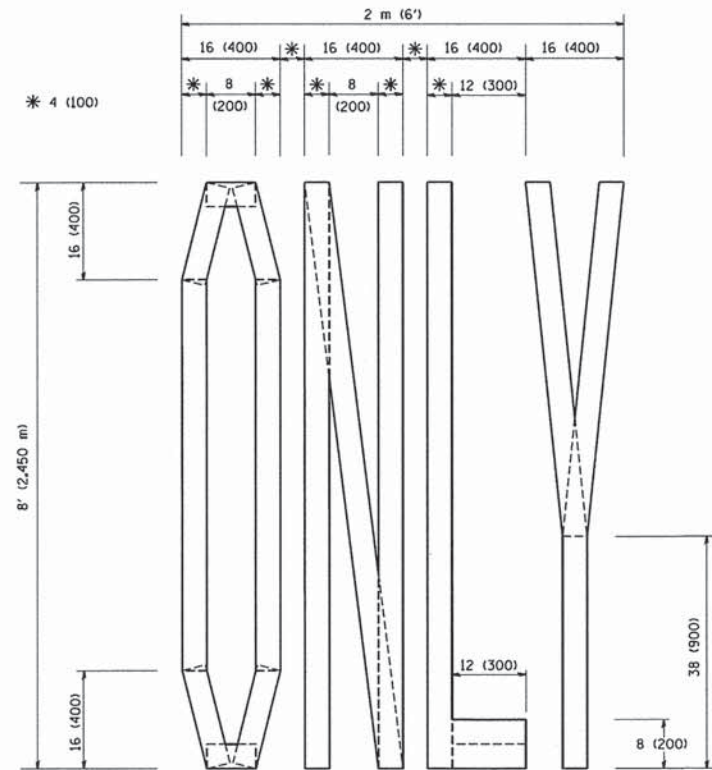
LANE REDUCTION TRANSITION

* LANE REDUCTION ARROWS REQUIRED AT SPEEDS OF 45 MPH OR GREATER OR WHEN SPECIFIED IN PLANS.

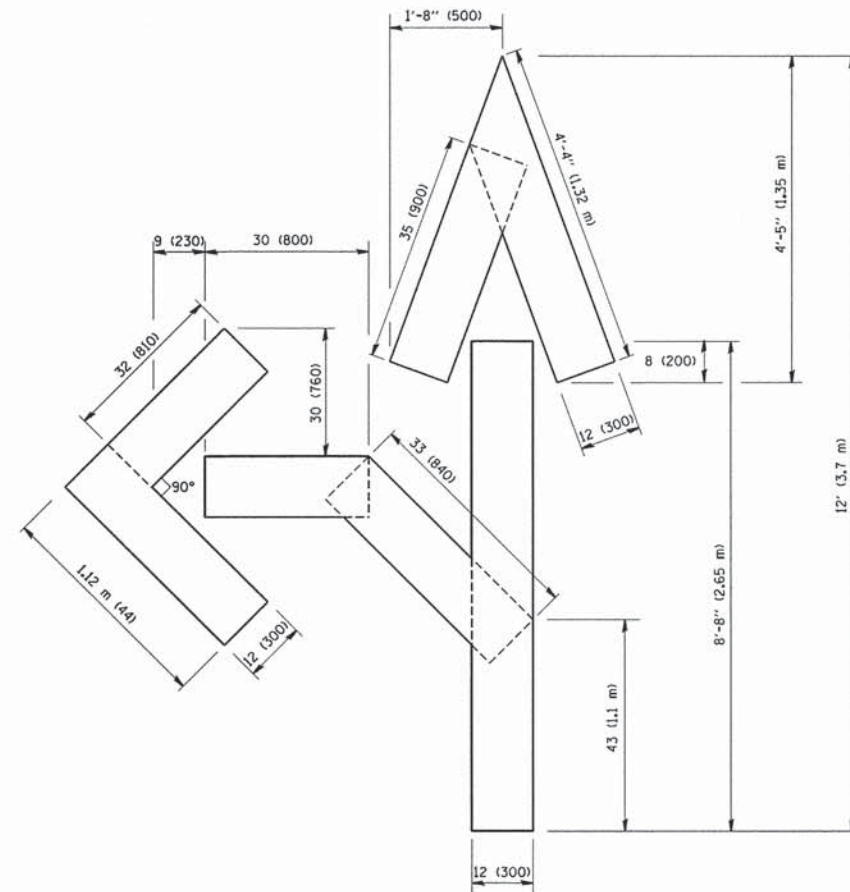
TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING /REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 @ 4 (100)	SOLID	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) 5 (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 MEDIANS IN YELLOW
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 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 (30 MPH (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" 15' 6" (4.7 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 (REQUIRED FOR SHOULDERS ≥ 8')	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))
U TURN ARROW	SEE DETAIL	SOLID	WHITE	16.3 SF
2 ARROW COMBINATION LEFT AND U TURN	SEE DETAIL	SOLID	WHITE	30.4 SF

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

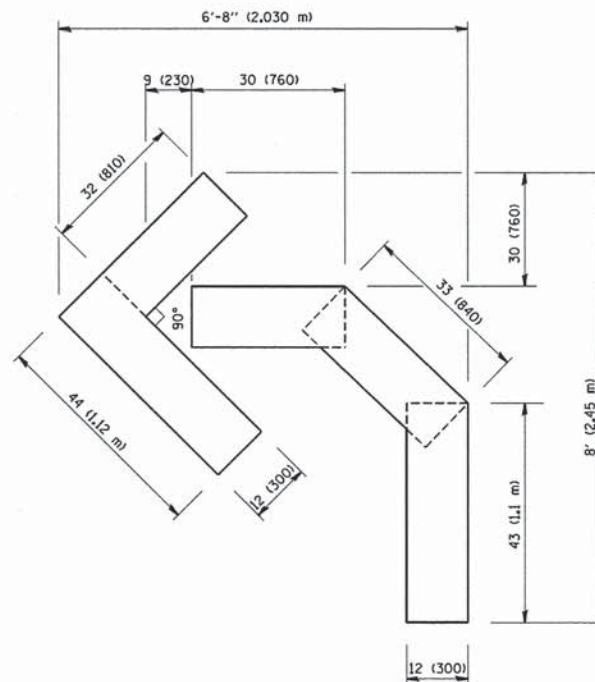
All dimensions are in inches (millimeters) unless otherwise shown.



QUANTITY
 4 (100) LINE = 64.1 ft. (19.7 m)
 21.1 sq. ft. (1.97 sq. m)



QUANTITY
 4 (100) LINE = 82.5 ft. (25.3 m)
 27.5 sq. ft. (2.53 sq. m)



QUANTITY
 4 (100) LINE = 45.5 ft. (13.9 m)
 15.2 sq. ft. (1.39 sq. m)

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

FILE NAME = W:\diststd\22x34\tcl6.dgn	USER NAME = gegl10n0t	DESIGNED -	REVISED -T. RAMMACHER 06-05-96
		DRAWN -	REVISED -T. RAMMACHER 11-04-97
		PLOT SCALE = 50.0000" / IN.	REVISED -T. RAMMACHER 03-02-98
		CHECKED -	REVISED -E. GOMEZ 08-28-00
		PLOT DATE = 1/4/2008	
		DATE - 09-18-94	

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING LETTERS AND SYMBOLS
 FOR TRAFFIC STAGING

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1634	11-00047-00-FP	WILL	148	98
TC-16		CONTRACT NO. 61070		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

ROUTE MARKERS

FOR U.S. ROUTES
MI-40-2424

FOR ILLINOIS ROUTES
MI-50-2424

R.R. UNMARKED ROUTES
SPECIAL 24" x 18" VARIABLE
4" BLACK LETTERS ON WHITE
REFLECTIVE BACKGROUND

ARROWS SIGNS

M5-1L-2115

M5-1R-2115

M6-1-2115

M6-1-2115

M6-3-2115

CARDINAL DIRECTION & DETOUR SIGNS

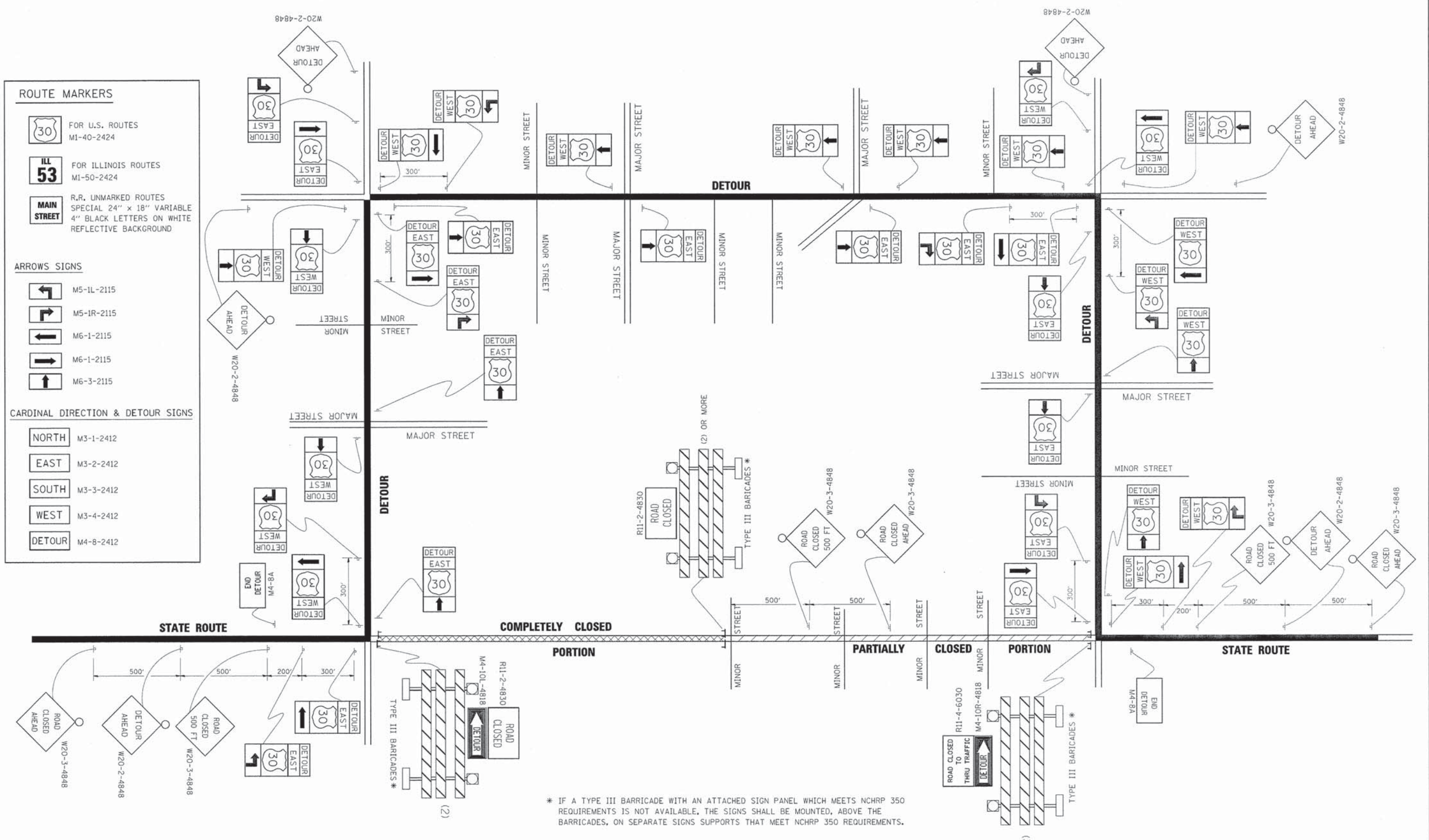
NORTH M3-1-2412

EAST M3-2-2412

SOUTH M3-3-2412

WEST M3-4-2412

DETOUR M4-8-2412



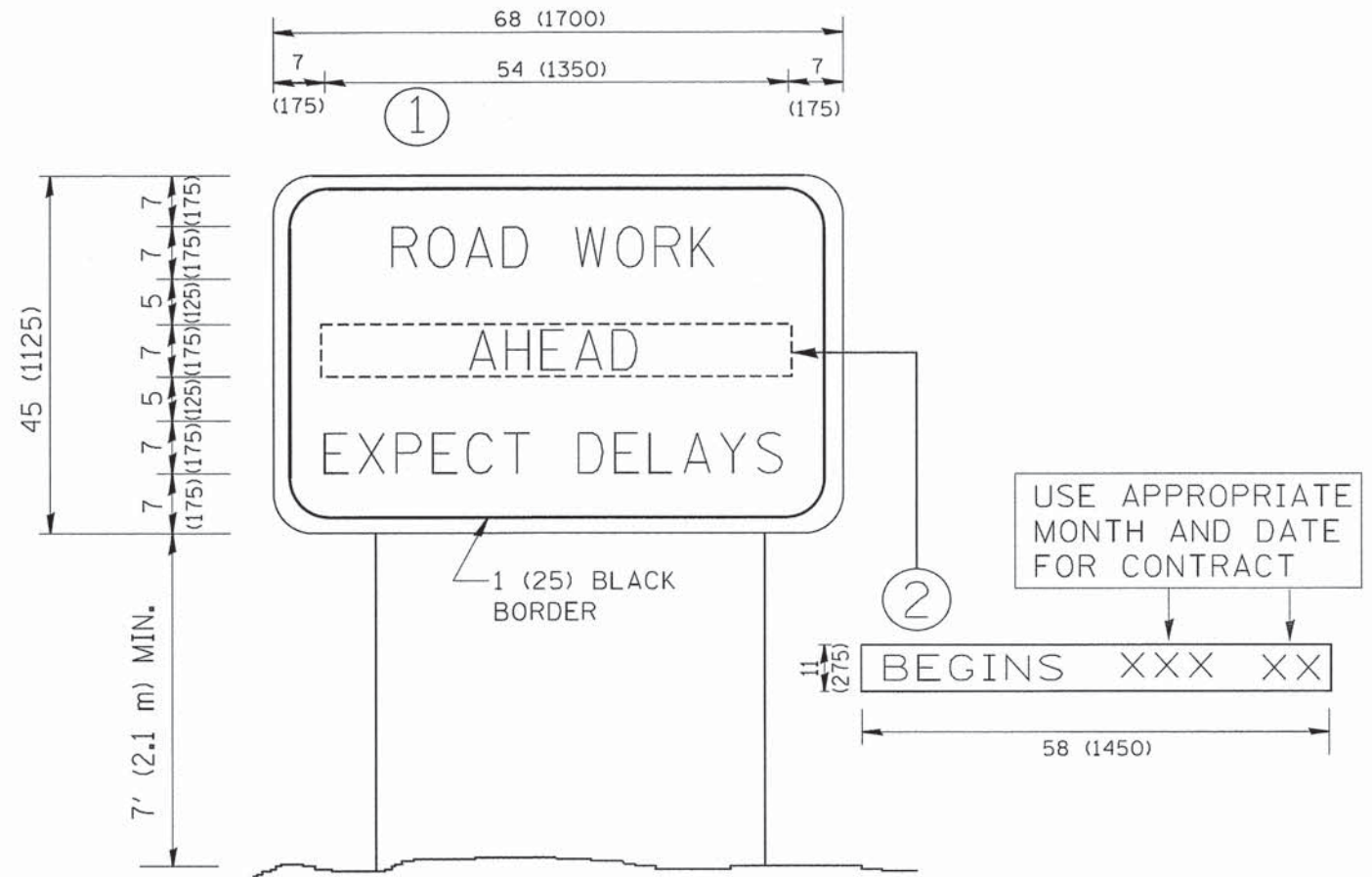
* IF A TYPE III BARRICADE WITH AN ATTACHED SIGN PANEL WHICH MEETS NCHRP 350 REQUIREMENTS IS NOT AVAILABLE, THE SIGNS SHALL BE MOUNTED, ABOVE THE BARRICADES, ON SEPARATE SIGNS SUPPORTS THAT MEET NCHRP 350 REQUIREMENTS.

FILE NAME =	USER NAME = drivakosgn	DESIGNED -	REVISED - 10-18-02
es:\pwork\p\DOT\DRIVAKOSGN\d8188315\	ZLdgn	DRAWN -	REVISED - R. BORD 09-14-09
	PLOT SCALE = 4/9,9999" / IN.	CHECKED -	REVISED -
	PLOT DATE = 9/14/2009	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DETOUR SIGNING FOR CLOSING STATE HIGHWAYS			
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1634	11-00047-00-FP	WILL	148	99
TC-21			CONTRACT NO. 61070	
FED. ROAD DIST. NO. 1 ILLINOIS FED. 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.

FILE NAME = W:\distatd\22x34\to22.dgn	USER NAME = gegl1anob1	DESIGNED - DRAWN -	REVISED - R, MIRS 09-15-97
PLOT SCALE = 50.000 / IN.	CHECKED -	REVISED - R, MIRS 12-11-97	REVISED - T, RAMMACHER 02-02-99
PLOT DATE = 1/4/2008	DATE -	REVISED - C, JUCIUS 01-31-07	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ARTERIAL ROAD
INFORMATION SIGN**

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A. RTE. 1634	SECTION 11-00047-00-FP	COUNTY WILL	TOTAL SHEETS 148	SHEET NO. 100
TC-22			CONTRACT NO. 61070	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				