06-16-2017 LETTING ITEM 241

FOR INDEX OF SHEETS, SEE SHEET NO. 2

FOR LIST OF HIGHWAY STANDARDS, SEE SHEET NO. 2

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0412	14-00609-00-BR	WINNEBAGO	89	1
	ILLINOIS	CONTRACT NO. 85656		

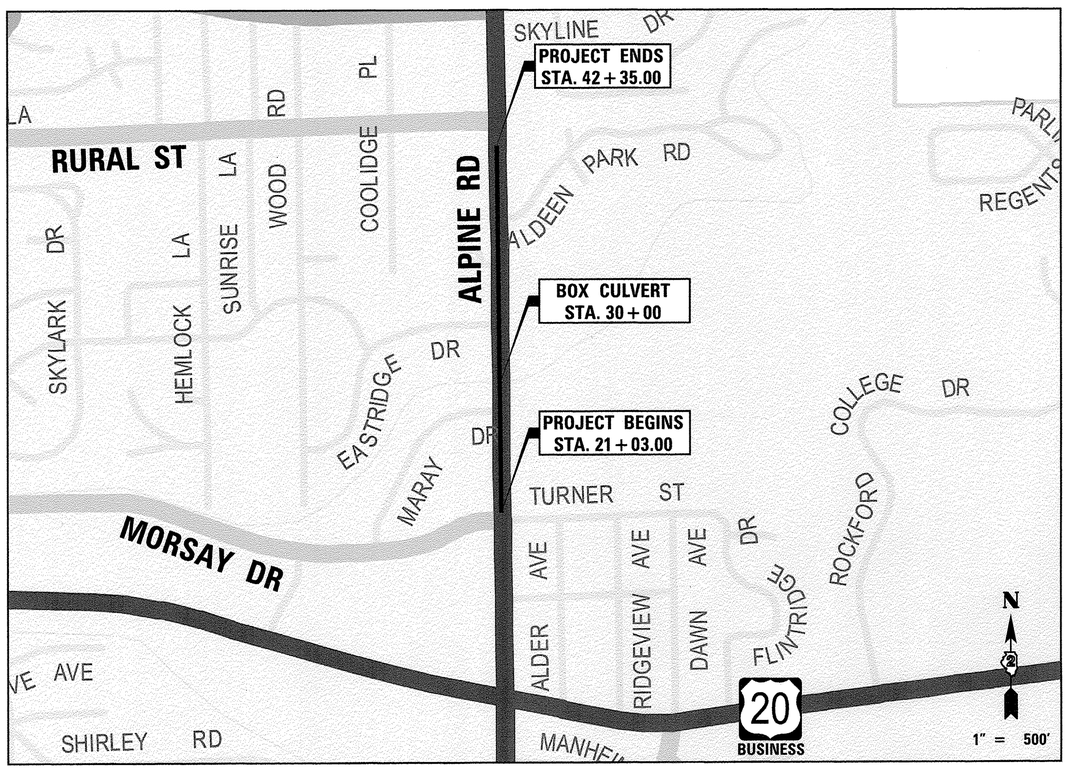
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PLANS FOR PROPOSED FEDERAL AID HIGHWAY

FAP 0412 (N. ALPINE ROAD)
BOX CULVERT REPLACEMENT
OVER KEITH CREEK

SECTION 14–00609–00–BR
CITY OF ROCKFORD
PROJECT BRM–5099(118)
JOB #C–92–043–17

LOCATION OF SECTION INDICATED THUS:– ■



LOCATION MAP

GROSS LENGTH = 2132.00 FT. = 0.40 MILE

NET LENGTH = 2132.00 FT. = 0.40 MILE

KEVIN M. ANDERSON
062-055652
LICENSED PROFESSIONAL ENGINEER
STATE OF ILLINOIS

BY: _____ DATE: 4/19/17

HANSON PROFESSIONAL SERVICES INC.

DRAWINGS: 1–51, 66–89

LICENSE EXPIRES NOV. 30, 2017

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Rockford, Illinois 61108
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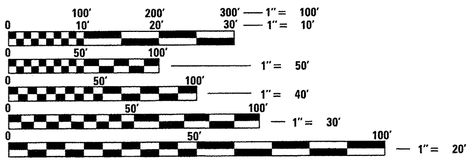

FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

PROJECT ENGINEER
PROJECT MANAGER

CONTRACT NO. 85656

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

APPROVED APRIL 19 20 17
M. VITNER, P.E.
CITY OF ROCKFORD, DIRECTOR OF PUBLIC WORKS

PASSED APRIL 21 20 17
DISTRICT 2 ENGINEER OF LOCAL ROADS AND STREETS

RELEASED FOR BID BASED ON LIMITED REVIEW APRIL 21 20 17
DEPUTY DIRECTOR OF HIGHWAYS, REGION 2 ENGINEER

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GENERAL NOTES

1. THE REMOVAL OF BITUMINOUS SURFACING LESS THAN 6 INCH THICKNESS NOT ON A RIGID TYPE BASE REMOVED IN CONJUNCTION WITH THE BASE SHALL BE REMOVED AS EARTH EXCAVATION. THE REMOVAL OF BITUMINOUS SURFACING ON A RIGID TYPE BASE OR A THICKNESS OF 6 INCHES OR MORE ON A FLEXIBLE BASE REMOVED IN CONJUNCTION WITH THE BASE SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR PAVEMENT REMOVAL OF THE TYPE SPECIFIED.

2. THE FINAL TOP FOUR INCHES OF SOIL IN ANY RIGHT-OF-WAY AREA DISTURBED BY THE CONTRACTOR MUST BE CAPABLE OF SUPPORTING VEGETATION. THE SOIL MUST BE FROM THE A HORIZON (ZERO TO 2' DEEP) OF SOIL PROFILES OF LOCAL SOILS. THE COST OF THIS WORK SHALL BE INCLUDED IN THE UNIT PRICES BID AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

3. IT IS ESTIMATED THAT 795 CUBIC YARDS OF EARTH WILL BE HAULED TO THE JOB FROM OUTSIDE THE PROJECT LIMITS. A SHRINKAGE FACTOR OF 25% HAS BEEN USED.

4. ALL BORROW/WASTE/USE SITES MUST BE APPROVED BY THE DEPARTMENT PRIOR TO REMOVING ANY MATERIAL FROM THE PROJECT OR INITIATING ANY EARTHMOVING ACTIVITIES, INCLUDING TEMPORARY STOCKPILING OUTSIDE THE LIMITS OF CONSTRUCTION.

5. PLACEMENT AND COMPACTION OF THE BACKFILL FOR PROPOSED ACROSS ROAD CULVERTS AND EXISTING ACROSS ROAD CULVERTS THAT ARE REMOVED SHALL CONFORM TO ARTICLE 502.10 OF THE STANDARD SPECIFICATIONS, EXCEPT THAT THE MATERIAL SHALL CONFORM TO ARTICLE 208.02 OF THE STANDARD SPECIFICATIONS, AND SHALL BE COMPACTED TO A MINIMUM OF 95% OF THE STANDARD LABORATORY DENSITY. ANY MATERIAL CONFORMING TO THE REQUIREMENTS OF ARTICLE 1003.04 OR 1004.05 FOR TRENCH BACKFILL WHICH HAS BEEN EXCAVATED FROM THE TRENCHES SHALL BE USED FOR BACKFILLING THE TRENCHES. THE ENTIRE EXCAVATION, WITHIN 2 FEET OUTSIDE OF EACH SHOULDER, SHALL BE BACKFILLED WITH TRENCH BACKFILL MATERIAL TO THE BOTTOM OF THE PROPOSED SUBGRADE. IMPERVIOUS MATERIAL SHALL BE USED ON THE OUTER 3 FEET AT EACH END OF THE CULVERT. THIS TRENCH BACKFILL MATERIAL WILL NOT BE MEASURED FOR PAYMENT, BUT SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE ITEM OF THE WORK FOR WHICH IT IS REQUIRED.

6. THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE FOR THIS PROJECT:

Location(s) and Mixture Use(s)	Resurfacing		Full Depth Pavement		Temporary Pavement
	Surface	Level Binder	Surface	Binder	
PG:	SBS PG 70-28	SBS PG 70-28	SBS PG 70-28	SBS PG 64-22	PG 64-22
Design Air Voids:	4.0 @ N70	4.0 @ N70	4.0 @ N70	4.0 @ N70	3.0 @ N50
Mixture Composition: (Mixture Gradation)	IL 9.5	IL 19.0	IL 9.5	IL 19.0	IL 9.5 or 9.5 FG
Friction Aggregate:	E	N/A	E	N/A	N/A
Mixture Weight:	112 lbs/sy/in	112 lbs/sy/in	112 lbs/sy/in	112 lbs/sy/in	112 lbs/sy/in
Quality Management Program:	QC / QA	QC / QA	QC / QA	QC / QA	QC / QA
Soblot Size:	N/A	N/A	N/A	N/A	N/A
Number of Roller Passes:	N/A	N/A	N/A	N/A	N/A

7. THE AREA TO BE TACKED OR PRIMED SHALL BE LIMITED TO THAT WHICH CAN BE COVERED WITH HMA ON THE NEXT DAY'S PRODUCTION, BUT NO MORE THAN FIVE DAYS IN ADVANCE OF THE PLACEMENT OF THE HMA, UNLESS APPROVED BY THE ENGINEER.

8. A NATIONWIDE 404 PERMIT HAS BEEN ISSUED FOR THIS PROJECT AND THE CONDITIONS OF THAT PERMIT MUST BE ADHERED TO.

9. THE NEW NUMBER FOR THIS STRUCTURE WILL BE 101-6068.

10. THE BORING LOGS FOR THIS STRUCTURE INDICATE THAT GROUNDWATER LEVELS MAY ENCROACH ON THE CONSTRUCTION LIMITS OF THIS CULVERT. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO CONTROL THE GROUND WATER AND DIVERT THE STREAM FLOW DURING CONSTRUCTION IN ORDER TO KEEP THE CONSTRUCTION AREA FREE OF WATER. THE METHOD OF CONTROLLING THE WATER SHALL BE SUBJECT TO APPROVAL OF THE ENGINEER AND THE COST SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR CONCRETE BOX CULVERTS.

11. CULVERT & BRIDGE FLOWS MUST BE MAINTAINED THROUGHOUT THE PROJECT. NORMAL FLOW SHALL BE ALLOWED TO PASS AT THE RATE IT ENTERS THE JOBSITE. HIGH FLOWS SHALL BE ALLOWED TO PASS WITHOUT CAUSING DAMAGE TO UPSTREAM PROPERTIES.

12. BOX CULVERTS THAT ARE STAGE CONSTRUCTED AND UNDERCUT BY MORE THAN 2 FEET SHALL HAVE LEAN CONCRETE PLACED ON THE ROCK FILL AT THE STAGE LINE. THE CONCRETE SHALL RETAIN THE ROCK FILL UNTIL THE SECOND STAGE ROCK FILL IS PLACED. THIS WORK WILL BE INCLUDED IN THE PAY ITEM FOR THE TYPE OF ROCK FILL USED.

13. THE CONTRACTOR SHALL CONSULT WITH THE ENGINEER IN REGARD TO THE EXACT LENGTH OF THE CULVERTS, STORM SEWERS, AND/OR PIPE DRAINS REQUIRED PRIOR TO ORDERING THESE ITEMS.

14. THE WORK AREA SHALL BE POSITIVELY DRAINED DURING CONSTRUCTION. FINAL GRADES SHALL BE PROTECTED AGAINST DAMAGE FROM EROSION, SEDIMENTATION, AND TRAFFIC.

15. THE NEW MANHOLE LIDS ON THIS PROJECT SHALL HAVE THE WORD "STORM", "SANITARY", OR "WATER" ON THE LID. IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE WORD TO BE USED ON OTHER LIDS NOT NOTED ON THE PLANS. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR THIS WORK.

16. ALL PROPOSED MANHOLES ON THIS PROJECT SHALL BE CAST-IN-PLACE OR PRECAST. THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR MANHOLE OF THE TYPE AND SIZE SPECIFIED.

17. THE CONTRACTOR SHALL DETERMINE FLOWLINES OF EXISTING SEWER LINES WHICH ARE SHOWN ON THE PLANS AS ESTIMATED OR UNKNOWN. THIS INFORMATION IS NECESSARY BEFORE ORDERING INLETS AND MANHOLES.

18. IN ACCORDANCE WITH SECTION 602 OF THE STANDARD SPECIFICATIONS, THE CONNECTING OF EXISTING DRAIN TILES, PIPE CULVERTS, OR STORM SEWERS TO THE PROPOSED DRAINAGE SYSTEM STRUCTURES WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED AS INCLUDED IN THE PAY ITEMS PROVIDED.

19. THE TEMPORARY CONCRETE BARRIER SHALL BE PINNED TO THE PAVEMENT WITH 3 ANCHOR PINS PER SECTION ON THE TRAFFIC SIDE OF THE BARRIER WALL AT THE FOLLOWING LOCATIONS:
    STAGE 1: STA. 29+35 TO STA. 31+35
    STAGE 2: STA. 29+25 TO STA. 31+25
    THE BARRIER UNIT AT EACH END SHALL BE ANCHORED AS SPECIFIED IN ARTICLE 704.04. ALL ANCHORING AND PINNING HOLES SHALL BE CORE DRILLED. PINNING THE BARRIERS SHALL BE INCLUDED IN THE COST OF TEMPORARY CONCRETE BARRIER AND RELOCATE TEMPORARY CONCRETE BARRIER.

20. BACKFILL PLUGS REQUIRED UNDER ARTICLE 669.09 GROUNDWATER MANAGEMENT SHALL BE CONSTRUCTED OF CONCRETE WHEN WITHIN THE FOLLOWING LIMITS: ALL TRENCHES MADE IN THE SUBGRADE OF THE PROPOSED IMPROVEMENT, AND ALL TRENCHES OUTSIDE OF THE SUBGRADE WHERE THE INNER EDGE OF THE TRENCH IS CLOSER THAN 2 FEET TO THE EDGE OF THE PROPOSED PAVEMENT, STABILIZED SHOULDER, CURB OR SIDEWALK.

21. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING AND PROTECTING UTILITY PROPERTY DURING CONSTRUCTION OPERATIONS AS OUTLINED IN ARTICLE 107.39 OF THE STANDARD SPECIFICATIONS. A MINIMUM OF 48 HOURS ADVANCE NOTICE IS REQUIRED FOR NON-EMERGENCY WORK. THE JULIE NUMBER IS 800-892-0123. THE FOLLOWING LISTED UTILITIES LOCATED WITHIN THE PROJECT LIMITS OR IMMEDIATELY ADJACENT TO THE PROJECT CONSTRUCTION LIMITS ARE MEMBERS OF JULIE:

    AT&T (UNDERGROUND TELECOM)
    COMED, OVERHEAD ELECTRIC
    COMCAST, OVERHEAD CABLE TV)
    NICOR (8" GAS MAIN ON EAST SIDE)
    ROCK RIVER WATER RECLAMATION DISTRICT (SANITARY SEWER MAIN)
    CITY OF ROCKFORD, WATERMAIN
    U.S. SIGNAL COMPANY, OVERHEAD FIBEROPTIC ON COMED POLES

    IDOT IS NOT A MEMBER OF JULIE. IF YOU ARE NEAR ANY OVERHEAD LIGHTING, INTERSECTION LIGHTING OR TRAFFIC SIGNALS, CONTACT THE IDOT TRAFFIC OFFICE AT 815/284-5469 AT LEAST 48 HOURS PRIOR TO WORK.

22. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO CONTACT THE MUNICIPALITY TO DETERMINE APPROVED METHODS OF UTILITY STRUCTURE ADJUSTMENT. UTILITY STRUCTURES MAY INCLUDE, BUT ARE NOT LIMITED TO, MANHOLES, WATER VALVES, HANDHOLES, ETC. ALL MATERIALS AND WORK NECESSARY TO COMPLETE ADJUSTMENTS PER MUNICIPALITY REQUIREMENTS SHALL BE CONSIDERED INCLUDED IN THE COST OF THE ASSOCIATED ADJUSTMENT PAY ITEM.

23. RELOCATE TEMPORARY IMPACT ATTENUATORS SHALL INCLUDE STORAGE AND TRANSPORTATION TO AND FROM STORAGE, WHEN THE DEVICE IS NOT NEEDED FOR A TIME, AS SHOWN ON THE STAGING PLANS. THIS SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE PER EACH FOR IMPACT ATTENUATORS, RELOCATE OF THE TYPE SPECIFIED.

24. WHEN RELOCATE TEMPORARY CONCRETE BARRIER IS SPECIFIED, THE WALL SHALL BE REMOVED, STORAGE AND TRANSPORTATION TO AND FROM STORAGE, WHEN THE WALL IS NOT NEEDED FOR A TIME AS SHOWN ON THE STAGING PLANS, RELOCATED AND REINSTATED AT THE NEW LOCATION. THE REINSTALLATION REQUIREMENTS SHALL BE THE SAME AS THOSE FOR A NEW INSTALLATION. THIS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER FOOT FOR RELOCATE TEMPORARY CONCRETE BARRIER.

25. THE CURB PORTIONS OF THE ADA SIDEWALK RAMPS SHALL BE INCLUDED IN THE MEASURED AREA OF THE PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH.

26. TOP SOIL AND SEEDING REQUIRED FOR THE RESTORATION OF THE AREAS ADJACENT TO THE ADA SIDEWALK RAMPS THAT ARE REMOTE FROM THE CULVERT WORK ZONE ARE TO BE INCLUDED IN THE CONTRACT UNIT PRICE PER SQUARE FEET FOR PORTLAND CEMENT CONRETE SIDEWALK 5 INCH.

27. THE CONTRACTOR SHALL SAW CUT PAVEMENT, SIDEWALKS, AND CURB AND GUTTER AT LOCATIONS SPECIFIED BY THE ENGINEER TO A DEPTH SPECIFIED BY THE ENGINEER AS NECESSARY TO PROVIDE A CLEAN EDGE BETWEEN EXISTING AND PROPOSED ROADWAY AND SIDEWALK FEATURES. SAW CUTTING SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE OF THE RESPECTIVE REMOVAL ITEM.

28. THE COST OF REMOVING ASPHALT OVERLAID ABOVE THE GUTTER PAN OF EXISTING CURB AND GUTTER TO BE REMOVED SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE PER FOOT OF "COMBINATION CURB AND GUTTER REMOVAL".

INDEX OF SHEETS

1	COVER SHEET
2	INDEX OF SHEETS, HIGHWAY STANDARDS, AND GENERAL NOTES
3 - 10	SUMMARY OF QUANTITIES
11 - 12	SCHEDULE OF QUANTITIES
13 - 15	TYPICAL SECTIONS
16	ALIGNMENT, TIES, AND BENCHMARKS
17 - 19	REMOVAL PLANS
20 - 24	PLAN AND PROFILE
25 - 26	MOT TYPICAL SECTIONS
27 - 35	STAGING PLANS
36	EROSION AND SEDIMENT CONTROL
37 - 38	DRAINAGE PLAN
39 - 46	INTERSECTION DETAILS
47 - 49	PAVEMENT MARKING, SIGNING PLAN, AND LANDSCAPING PLAN
50 - 51	TRAFFIC SIGNAL PLANS
52 - 65	STRUCTURE PLANS
66	GRADING PLAN
67	PAVEMENT TRANSITION DETAIL
68 - 74	IDOT DISTRICT TWO STANDARD DRAWINGS
75 - 89	CROSS SECTIONS

LIST OF ILLINOIS DOT HIGHWAY STANDARDS

280001-07	TEMPORARY EROSION CONTROL SYSTEMS
424001-09	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
424006-02	DIAGONAL CURB RAMPS FOR SIDEWALKS
424021-03	DEPRESSED CORNER FOR SIDEWALKS
424026-01	ENTRANCE / ALLEY PEDESTRIAN CROSSINGS
424031-01	MEDIAN PEDESTRIAN CROSSINGS
442201-03	CLASS C AND D PATCHES
515001-03	NAME PLATE FOR BRIDGES
542301-03	PRECAST REINFORCED CONCRETE FLARED END SECTION
602306-03	INLET, TYPE B
602401-03	MANHOLE, TYPE A
602601-04	PRECAST REINFORCED CONCRETE FLAT SLAB
602701-02	MANHOLE STEPS
604001-04	FRAME AND LIDS TYPE 1
604006-05	FRAME AND GRATE, TYPE 3
604016-04	FRAME AND GRATE, TYPE 4
606001-06	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
701006-05	OFF-ROAD OPERATIONS, 2L, 2W, 15' (4.5 M) TO 24' (600 MM) FROM PAVEMENT EDGE
701101-05	OFF-ROAD OPERATIONS, MULTILANE, 15' (4.5 M) TO 24" (600 MM) FROM PAVEMENT EDGE
701106-02	OFF-ROAD OPERATIONS, MULTILANE, MORE THAN 15' (4.5 M) AWAY
701427-05	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPERATION, FOR SPEEDS <= 40 MPH
701601-09	URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NONTRAVERSABLE MEDIAN
701606-10	URBAN SINGLE LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
701611-01	URBAN HALF ROAD CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-06	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-06	TRAFFIC CONTROL DEVICES
704001-08	TEMPORARY CONCRETE BARRIER
720001-01	SIGN PANEL MOUNTING DETAILS
720006-04	SIGN PANEL ERECTION DETAILS
720011-01	METAL POSTS FOR SIGNS, MARKERS AND DELINEATORS
728001-01	TELESCOPING STEEL SIGN SUPPORT
729001-01	APPLICATIONS OF TYPES A AND B METAL POSTS (FOR SIGNS & MARKERS)
780001-05	TYPICAL PAVEMENT MARKINGS
781001-04	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS
782006	GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS
878001-10	CONCRETE FOUNDATION DETAILS

LIST OF ILLINOIS DISTRICT 2 STANDARDS

4.1	PC CONCRETE ISLANDS AND MEDIANS ACCESSIBLE TO THE DISABLED
32.1	SEWER AND WATERMAIN CROSSINGS
34.1	WORK ZONE SIGN DETAILS
41.1	TYPICAL PAVEMENT MARKINGS
50.4	TYPICAL BENCHING DETAIL ON EXISTING EMBANKMENT
79.4b	INLETS, SPECIAL, NO. 5
79.4f	NOSE TYPE FOR INLET TOP SLAB
79.4g	INLETS, SPECIAL, NO. 3, 4, 5, 6 REINFORCEMENT DETAIL

DESIGNED	MWH	12/29/16
DRAWN	MWH	4/18/17
REVIEWED	KMA	4/18/17

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DRAWN - MWH
CHECKED - KMA
DATE - 4/19/17

REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INDEX OF SHEETS, HIGHWAY STANDARDS, AND GENERAL NOTES

SCALE: NTS | SHEET NO. OF SHEETS | STA. TO STA.

GEN-01

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0412	14-00609-00-BR	WINNEBAGO	89	2
		CONTRACT NO. 85656		
	ILLINOIS	FED. AID PROJECT		

	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE: 80% FEDERAL 20% LOCAL ROADWAY 0005 URBAN	80% FEDERAL 20% LOCAL STRUCTURES 0011 URBAN	80% FEDERAL 20% LOCAL SIGNALS 0021 URBAN	100% LOCAL NON-PART. 0043 URBAN		
	20200100	EARTH EXCAVATION	CU YD	400	400	0	0	0		
SP	20400800	FURNISHED EXCAVATION	CU YD	795	795	0	0	0		
	20800150	TRENCH BACKFILL	CU YD	37	28	0	0	9		
	21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	1,926	1926	0	0	0		
SP	25000210	SEEDING, CLASS 2A	ACRE	0.4	0.4	0	0	0		
	25000400	NITROGEN FERTILIZER NUTRIENT	POUND	35	35	0	0	0		
	25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	35	35	0	0	0		
	25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	35	35	0	0	0		
	25100630	EROSION CONTROL BLANKET	SQ YD	1,926	1926	0	0	0		
	28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	39	39	0	0	0		
	28000305	TEMPORARY DITCH CHECKS	FOOT	24	24	0	0	0		
	28000400	PERIMETER EROSION BARRIER	FOOT	992	992	0	0	0		
	28000510	INLET FILTERS	EACH	7	7	0	0	0		
SP	28100709	STONE DUMPED RIPRAP, CLASS A5	SQ YD	348	0	348	0	0		

SP SEE SPECIAL PROVISION
* SPECIALTY ITEM

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DRAWN	MWH	4/18/17
REVIEWED	KMA	4/18/17

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	PLOT DATE = 4/19/2017	DATE - 4/19/17	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: NTS | SHEET NO. OF SHEETS | STA. | TO STA.

S00-01

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0412	14-00609-00-BR	WINNEBAGO	89	3
		CONTRACT NO. 85656		
	ILLINOIS	FED. AID PROJECT		

	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE					
					80% FEDERAL 20% LOCAL	80% FEDERAL 20% LOCAL	80% FEDERAL 20% LOCAL	100% LOCAL		
					ROADWAY	STRUCTURES	SIGNALS	NON-PART.		
					0005	0011	0021	0043		
					URBAN	URBAN	URBAN	URBAN		
	28200200	FILTER FABRIC	SQ YD	348	0	348	0	0		
SP	30300112	AGGREGATE SUBGRADE IMPROVEMENT 12"	SQ YD	660	660	0	0	0		
	40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	1,342	1342	0	0	0		
SP	40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	6,639	6639	0	0	0		
	40600837	POLYMERIZED LEVELING BINDER (MACHINE METHOD), N70	TON	61	61	0	0	0		
	40603565	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "E", N70	TON	1,516	1516	0	0	0		
	40701841	HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 8"	SQ YD	600	600	0	0	0		
	42001300	PROTECTIVE COAT	SQ YD	610	591	19	0	0		
SP	42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	11,351	11351	0	0	0		
	42400800	DETECTABLE WARNINGS	SQ FT	156	156	0	0	0		
	44000100	PAVEMENT REMOVAL	SQ YD	601	601	0	0	0		
	44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	SQ YD	13,541	13541	0	0	0		
	44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	30	30	0	0	0		
	44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	1,068	1068	0	0	0		

SP SEE SPECIAL PROVISION
* SPECIALTY ITEM

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DESIGNED	MWH	01/04/17
DRAWN	MWH	4/18/17
REVIEWED	KMA	4/18/17

S00-02

FILE NAME = 14L0113-sht-S00-02.dgn	USER NAME = hussu00411	DESIGNED - MWH	REVISED -
		DRAWN - MWH	REVISED -
	PLOT SCALE = 1.0000 ' / in.	CHECKED - KMA	REVISED -
	PLOT DATE = 4/19/2017	DATE - 4/19/17	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: NTS | SHEET NO. OF SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0412	14-00609-00-BR	WINNEBAGO	89	4
		CONTRACT NO. 85656		
	ILLINOIS FED. AID PROJECT			

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	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE					
					80% FEDERAL 20% LOCAL	80% FEDERAL 20% LOCAL	80% FEDERAL 20% LOCAL	100% LOCAL		
					ROADWAY	STRUCTURES	SIGNALS	NON-PART.		
					0005	0011	0021	0043		
					URBAN	URBAN	URBAN	URBAN		
	44000600	SIDEWALK REMOVAL	SQ FT	7,145	7145	0	0	0		
	44201741	CLASS D PATCHES, TYPE II, 8 INCH	SQ YD	21	0	0	0	21		
SP	50100100	REMOVAL OF EXISTING STRUCTURES	EACH	1	0	1	0	0		
	50200100	STRUCTURE EXCAVATION	CU YD	1,984	0	1984	0	0		
	50200450	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL FOR STRUCTURES	CU YD	360	0	360	0	0		
	50300225	CONCRETE STRUCTURES	CU YD	34.3	0	34.3	0	0		
	50301350	CONCRETE SUPERSTRUCTURE (APPROACH SLAB)	CU YD	114.6	0	114.6	0	0		
SP*	50600200	PAINTING STEEL RAILING	FOOT	173	0	173	0	0		
	50800105	REINFORCEMENT BARS	POUND	74,900	0	74900	0	0		
	50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	51,710	0	51710	0	0		
	50800515	BAR SPLICERS	EACH	460	0	460	0	0		
*	50901720	BICYCLE RAILING	FOOT	173	0	173	0	0		
	51500100	NAME PLATES	EACH	1	0	1	0	0		
	52200020	TEMPORARY SOIL RETENTION SYSTEM	SQ FT	545	0	545	0	0		

SP SEE SPECIAL PROVISION
* SPECIALTY ITEM

DESIGNED	MWH	01/04/17
DRAWN	MWH	4/18/17
REVIEWED	KMA	4/18/17

S00-03

FILE NAME = 14L0113-sht-S00-03.dgn	USER NAME = hussu00411	DESIGNED - MWH	REVISED -
		DRAWN - MWH	REVISED -
	PLOT SCALE = 1.0000 ' / in.	CHECKED - KMA	REVISED -
	PLOT DATE = 4/19/2017	DATE - 4/19/17	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: NTS | SHEET NO. OF SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0412	14-00609-00-BR	WINNEBAGO	89	5
		CONTRACT NO. 85656		
	ILLINOIS FED. AID PROJECT			

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					CONSTRUCTION CODE					
					80% FEDERAL 20% LOCAL	80% FEDERAL 20% LOCAL	80% FEDERAL 20% LOCAL	100% LOCAL		
	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY	STRUCTURES	SIGNALS	NON-PART.		
					0005	0011	0021	0043		
					URBAN	URBAN	URBAN	URBAN		
	54003000	CONCRETE BOX CULVERTS	CU YD	466.4	0	466.4	0	0		
	54213657	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	EACH	3	3	0	0	0		
	54213663	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 18"	EACH	1	1	0	0	0		
	550A0040	STORM SEWERS, CLASS A, TYPE 1 10"	FOOT	65	0	0	0	65		
	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	FOOT	134	134	0	0	0		
SP	55100400	STORM SEWER REMOVAL 10"	FOOT	68	0	0	0	68		
SP	55100700	STORM SEWER REMOVAL 15"	FOOT	26	26	0	0	0		
	60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1	1	0	0	0		
	60240220	INLETS, TYPE B, TYPE 3 FRAME AND GRATE	EACH	1	1	0	0	0		
	60500060	REMOVING INLETS	EACH	3	3	0	0	0		
SP	60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	40	40	0	0	0		
SP	60604400	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18	FOOT	1,025	1025	0	0	0		
SP	67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	6	6	0	0	0		
	67100100	MOBILIZATION	LSUM	1	1	0	0	0		

SP SEE SPECIAL PROVISION
* SPECIALTY ITEM

DESIGNED	MWH	01/04/17
DRAWN	MWH	4/18/17
REVIEWED	KMA	4/18/17

S00-04

FILE NAME = 14L0113-sht-S00-04.dgn	USER NAME = hussu00411	DESIGNED - MWH	REVISED -
		DRAWN - MWH	REVISED -
	PLOT SCALE = 1.0000 ' / in.	CHECKED - KMA	REVISED -
	PLOT DATE = 4/19/2017	DATE - 4/19/17	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: NTS | SHEET NO. OF SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0412	14-00609-00-BR	WINNEBAGO	89	6
		CONTRACT NO. 85656		
	ILLINOIS	FED. AID PROJECT		

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					CONSTRUCTION CODE					
					80% FEDERAL 20% LOCAL	80% FEDERAL 20% LOCAL	80% FEDERAL 20% LOCAL	100% LOCAL		
					ROADWAY	STRUCTURES	SIGNALS	NON-PART.		
	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	0005	0011	0021	0043		
					URBAN	URBAN	URBAN	URBAN		
SP	70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	LSUM	1	1	0	0	0		
	70300100	SHORT TERM PAVEMENT MARKING	FOOT	532	532	0	0	0		
	70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	177	177	0	0	0		
	70300210	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS	SQ FT	16	16	0	0	0		
	70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	14,081	14081	0	0	0		
	70400100	TEMPORARY CONCRETE BARRIER	FOOT	838	838	0	0	0		
	70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	325	325	0	0	0		
SP	70600240	IMPACT ATTENUATORS, TEMPORARY (NON- REDIRECTIVE), TEST LEVEL 2	EACH	1	1	0	0	0		
	70600255	IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE, NARROW), TEST LEVEL 2	EACH	1	1	0	0	0		
	70600340	IMPACT ATTENUATORS, RELOCATE (NON- REDIRECTIVE), TEST LEVEL 2	EACH	1	1	0	0	0		
	72400320	REMOVE SIGN PANEL - TYPE 2	SQ FT	32	32	0	0	0		
	72400500	RELOCATE SIGN PANEL ASSEMBLY - TYPE A	EACH	1	1	0	0	0		
*	78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	99	99	0	0	0		
*	78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	6,884	6884	0	0	0		

SP SEE SPECIAL PROVISION
* SPECIALTY ITEM

DESIGNED	MWH	01/04/17
DRAWN	MWH	4/18/17
REVIEWED	KMA	4/18/17

S00-05

FILE NAME = 14L0113-sht-S00-05.dgn	USER NAME = hussu00411	DESIGNED - MWH	REVISED -
		DRAWN - MWH	REVISED -
	PLOT SCALE = 1.0000 ' / in.	CHECKED - KMA	REVISED -
	PLOT DATE = 4/19/2017	DATE - 4/19/17	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: NTS | SHEET NO. OF SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0412	14-00609-00-BR	WINNEBAGO	89	7
		CONTRACT NO. 85656		
	ILLINOIS	FED. AID PROJECT		

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	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE					
					80% FEDERAL 20% LOCAL	80% FEDERAL 20% LOCAL	80% FEDERAL 20% LOCAL	100% LOCAL		
					ROADWAY	STRUCTURES	SIGNALS	NON-PART.		
					0005	0011	0021	0043		
					URBAN	URBAN	URBAN	URBAN		
*	78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	520	520	0	0	0		
*	78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	359	359	0	0	0		
*	78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	257	257	0	0	0		
*	78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	99	99	0	0	0		
*	78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	87	87	0	0	0		
*	81028320	UNDERGROUND CONDUIT, PVC, 1" DIA.	FOOT	20	0	0	20	0		
*	81028350	UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	59	0	0	59	0		
SP *	85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	2	0	0	2	0		
*	87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	597	0	0	597	0		
*	87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	642	0	0	642	0		
SP *	87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	88	0	0	88	0		
SP *	87502440	TRAFFIC SIGNAL POST, GALVANIZED STEEL 10 FT.	EACH	3	0	0	3	0		
SP *	87800100	CONCRETE FOUNDATION, TYPE A	FOOT	9	0	0	9	0		
*	87900200	DRILL EXISTING HANDHOLE	EACH	5	0	0	5	0		

SP SEE SPECIAL PROVISION
* SPECIALTY ITEM

DESIGNED	MWH	01/04/17
DRAWN	MWH	4/18/17
REVIEWED	KMA	4/18/17

FILE NAME = 14L0113-sht-S00-06.dgn

USER NAME = hussu00411
PLOT SCALE = 1.0000 ' / in.
PLOT DATE = 4/19/2017

DESIGNED - MWH
DRAWN - MWH
CHECKED - KMA
DATE - 4/19/17

REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: NTS | SHEET NO. OF SHEETS | STA. | TO STA.

S00-06

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0412	14-00609-00-BR	WINNEBAGO	89	8
		CONTRACT NO. 85656		
	ILLINOIS FED. AID PROJECT			

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	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE					
					80% FEDERAL 20% LOCAL	80% FEDERAL 20% LOCAL	80% FEDERAL 20% LOCAL	100% LOCAL		
					ROADWAY	STRUCTURES	SIGNALS	NON-PART.		
					0005	0011	0021	0043		
					URBAN	URBAN	URBAN	URBAN		
SP*	88102825	PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, BRACKET MOUNTED WITH COUNT DOWN TIMER	EACH	4	0	0	4	0		
*	88600100	DETECTOR LOOP, TYPE I	FOOT	216	0	0	216	0		
SP*	88800100	PEDESTRIAN PUSH-BUTTON	EACH	4	0	0	4	0		
SP*	89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	2	0	0	2	0		
SP*	X0325839	SIGNAL TIMING	LSUM	1	0	0	1	0		
SP	X0327980	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	5,069	5069	0	0	0		
SP	X4400110	TEMPORARY PAVEMENT REMOVAL	SQ YD	677	677	0	0	0		
SP	X5860110	GRANULAR BACKFILL FOR STRUCTURES	CU YD	1,660	0	1660	0	0		
SP	X6024250	INLETS, SPECIAL, NO. 5	EACH	5	5	0	0	0		
SP*	X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	LSUM	1	1	0	0	0		
SP*	X7015005	CHANGEABLE MESSAGE SIGN	CAL DA	360	360	0	0	0		
SP	Z0007430	TEMPORARY SIDEWALK	SQ FT	2,607	2607	0	0	0		
SP	Z0013798	CONSTRUCTION LAYOUT	LSUM	1	1	0	0	0		
SP	Z0024477	TUBULAR MARKER MAINTENANCE	EACH	31	31	0	0	0		

SP SEE SPECIAL PROVISION
* SPECIALTY ITEM

DESIGNED	MWH	01/04/17
DRAWN	MWH	4/18/17
REVIEWED	KMA	4/18/17

S00-07

FILE NAME =	USER NAME = hussu00411	DESIGNED - MWH	REVISED -
14L0113-sht-S00-07.dgn		DRAWN - MWH	REVISED -
	PLOT SCALE = 1.0000 ' / in.	CHECKED - KMA	REVISED -
	PLOT DATE = 4/19/2017	DATE - 4/19/17	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: NTS | SHEET NO. OF SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0412	14-00609-00-BR	WINNEBAGO	89	9
		CONTRACT NO. 85656		
	ILLINOIS	FED. AID PROJECT		

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	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE					
					80% FEDERAL 20% LOCAL	80% FEDERAL 20% LOCAL	80% FEDERAL 20% LOCAL	100% LOCAL		
					ROADWAY	STRUCTURES	SIGNALS	NON-PART.		
					0005	0011	0021	0043		
					URBAN	URBAN	URBAN	URBAN		
SP	Z0054500	ROCK FILL	TON	500	0	500	0	0		
SP	Z0056648	STORM SEWERS, TYPE 1, WATER MAIN QUALITY PIPE, 12"	FOOT	47	47	0	0	0		
SP	Z0056652	STORM SEWERS, TYPE 1, WATER MAIN QUALITY PIPE, 18"	FOOT	30	30	0	0	0		
SP	Z0062456	TEMPORARY PAVEMENT	SQ YD	677	677	0	0	0		

SP SEE SPECIAL PROVISION
* SPECIALTY ITEM

S00-08

DESIGNED	MWH	01/04/17	FILE NAME = 14L0113-sht-S00-08.dgn	USER NAME = hussu00411	DESIGNED - MWH	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES	
DRAWN	MWH	4/18/17			DRAWN - MWH	REVISED -			
REVIEWED	KMA	4/18/17		PLOT SCALE = 1.0000 ' / in.	CHECKED - KMA	REVISED -			
				PLOT DATE = 4/19/2017	DATE - 4/19/17	REVISED -		SCALE: NTS	SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0412	14-00609-00-BR	WINNEBAGO	89	10
		CONTRACT NO. 85656		
	ILLINOIS	FED. AID PROJECT		

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SCHEDULE OF EARTHWORK

LOCATION	END AREAS		EARTH WORK		
	CUT	FILL	EARTH EXCAVATION	EMBANKMENT	BALANCE WASTE (+) or SHORTAGE (-)
	(SF)	(SF)	(CY)	(CY)	(CY)
27+48.00	0.4	2.8			
27+75.00	0.4	23.0	0.38	12.88	-12.60
28+00.00	2.4	17.8	1.27	18.88	-17.93
28+25.00	3.3	9.6	2.62	12.70	-10.74
28+50.00	3.1	6.6	2.96	7.49	-5.27
28+75.00	2.5	8.2	2.62	6.84	-4.88
29+00.00	1.9	8.8	2.03	7.89	-6.37
29+05.00	7.0	8.9	0.81	1.64	-1.03
29+10.00	5.4	9.4	1.15	1.70	-0.84
29+25.00	2.1	12.9	2.09	6.20	-4.63
29+45.00	42.6	37.4	16.55	18.65	-6.24
29+50.00	27.0	50.4	6.44	8.13	-3.30
29+64.00	40.6	115.7	17.53	43.05	-29.90
29+82.00	0.0	0.0	13.53	38.55	-28.40
30+00.00	0.0	0.0	0.00	0.00	+0.00
30+18.00	0.0	0.0	0.00	0.00	+0.00
30+36.00	42.7	112.3	14.24	37.42	-26.74
30+50.00	45.9	47.7	22.98	41.47	-24.24
30+55.00	45.4	28.4	8.45	7.05	-0.71
30+75.00	3.6	60.5	18.13	32.91	-19.31
31+00.00	7.6	24.7	5.19	39.44	-35.55
31+25.00	3.1	24.7	4.94	22.88	-19.18
31+50.00	5.0	22.2	3.72	21.72	-18.93
31+75.00	4.0	34.9	4.16	26.45	-23.33
32+00.00	5.0	48.2	4.15	38.48	-35.37
32+25.00	4.3	57.9	4.28	49.10	-45.89
32+50.00	4.8	52.0	4.21	50.85	-47.69
32+75.00	5.0	47.5	4.51	46.05	-42.67
33+00.00	4.9	45.9	4.57	43.25	-39.82
33+25.00	3.4	28.5	3.83	34.44	-31.57
33+50.00	2.4	25.7	2.69	25.07	-23.05
33+75.00	3.7	8.4	2.84	15.76	-13.63
34+00.00	1.5	15.1	2.42	10.87	-9.06
34+25.00	2.5	4.6	1.85	9.13	-7.74
34+50.00	2.6	2.7	2.34	3.38	-1.63
34+75.00	4.1	0.4	3.08	1.42	+0.89
35+00.00	4.2	0.0	3.83	0.17	+2.70
SHRINKAGE FACTOR: 25%			**196**	**742**	**-595**

EARTHWORK TOTAL

OPERATION	20200100	20400800
	EARTH EXC. (CU YD)	FURN. EXC. (CU YD)
ROADWAY	200	595
TEMPORARY PAVEMENT	200	200
TOTAL	**400**	**795**

SEEDING, CLASS 2A SCHEDULE

SHEET	FROM	TO	SIDE	AREA (SF)	AREA (AC)
ERO-01	27+46.00	29+82.17	RT	3182.46	0.07306
ERO-01	27+46.00	34+52.87	RT	3091.34	0.07097
ERO-01	29+02.47	31+10.27	LT	931.87	0.02139
ERO-01	29+04.77	29+98.11	LT	732.76	0.01682
ERO-01	30+07.53	31+10.27	LT	934.04	0.02144
ERO-01	29+90.62	35+05.02	RT	8165.84	0.18746
N/A	ADA RAMPS NOT SHOWN IN ERO-01			300.00	0.00689
				TOTAL	0.4

TEMPORARY DITCH CHECKS SCHEDULE

SHEET	STA	OFFSET	TOTAL (FOOT)
ECP-01	31+25.00	67.00' RT	8
ECP-01	31+75.00	65.00' RT	8
ECP-01	32+75.00	65.00' RT	8
		TOTAL	24

PERIMETER EROSION BARRIER SCHEDULE

SHEET	FROM	TO	TOTAL (FOOT)
ERO-1	27+41.82	29+80.39	249.69
ERO-1	29+90.62	31+00.00	115.83
ERO-1	29+05.09	29+98.11	103.85
ERO-1	30+07.25	31+00.00	107.08
ERO-1	31+00.00	35+05.68	408.23
ERO-1	31+00.00	31+07.12	7.22
		TOTAL	992

BITUMINOUS MATERIALS (PRIME COAT) SCHEDULE

SHEET	FROM	TO	AREA (SQ FT)	DESCRIPTION	TOTAL (POUND)
RDY-02	29+45.00	30+55.00	5,370	FULL DEPTH PAVEMENT	1342.5
PER ARTICLE 406.05 (b) (2), APPLICATION RATE IS 0.25 LB/SF				**TOTAL**	1342.0

BITUMINOUS MATERIALS (TACK COAT) SCHEDULE

SHEET	FROM	TO	AREA (SQ FT)	DESCRIPTION	TOTAL (POUND)
RDY-01	21+03.00	25+00.00	25,007	FINAL MILLED HMA	1250.4
RDY-02	25+00.00	31+00.00	30,135	FINAL MILLED HMA	1506.8
RDY-03	31+00.00	37+00.00	33,120	FINAL MILLED HMA	1656.0
RDY-04	37+00.00	42+35.00	28,411	FINAL MILLED HMA	1420.6
RDY-05	46+79.11	47+06.52	765	FINAL MILLED HMA	38.3
RDY-05	46+79.11	47+06.52	765	LEVELING BINDER	38.3
RDY-02	29+05.00	29+45.00	2,087	MILLED HMA	104.4
RDY-02	29+05.00	29+45.00	2,087	LEVELING BINDER	52.2
RDY-02	29+45.00	30+55.00	5,369	3 LIFTS	402.7
RDY-02	30+55.00	31+00.00	2,265	MILLED HMA	113.2
RDY-02	30+55.00	31+00.00	2,265	LEVELING BINDER	56.6
PER ART 406.05(b)(1). APPL. RATE 0.05 LB/SF (MILLED HMA), 0.025 LB/SF (HMA LIFT)				**TOTAL**	6639.0

EROSION CONTROL BLANKET SCHEDULE

SHEET	FROM	TO	SIDE	AREA (SF)	AREA (SY)
ERO-01	27+46.00	29+82.17	RT	3182.46	353.61
ERO-01	27+46.00	34+52.87	RT	3091.34	343.48
ERO-01	29+02.47	31+10.27	LT	931.87	103.54
ERO-01	29+04.77	29+98.11	LT	732.76	81.42
ERO-01	30+07.53	31+10.27	LT	934.04	103.78
ERO-01	29+90.62	35+05.02	RT	8165.84	907.32
N/A	ADA RAMPS NOT SHOWN IN ERO-01			300.00	33.33
				TOTAL	1926

INLET FILTERS SCHEDULE

SHEET	FROM	OFFSET (LT/RT)	TOTAL (EA)
ECP-02	29+50.06	24.98' RT	1
ECP-02	29+79.50	24.59' RT	1
ECP-02	30+50.08	25.88' RT	1
ECP-02	29+60.06	26.00' LT	1
ECP-02	29+79.52	25.85' LT	1
ECP-02	29+84.99	24.10' LT	1
ECP-02	30+60.06	26.10' LT	1
		TOTAL	7

AGGREGATE SUBGRADE IMPROVEMENT 12" SCHEDULE

SHEET	FROM	TO	AREA (SQ FT)	TOTAL (SQ YD)	REMARKS
RDY-02	29+45.00	30+55.00	5,937.3	659.7	FULL WIDTH
			TOTAL	660	

POLYMERIZED HMA SURFACE COURSE, MIX "E", N70 SCHEDULE

SHEET	FROM STA	TO STA	AREA (SQ FT)	THICKNESS (IN)	WEIGHT (TON)
RDY-01	21+03.00	25+00.00	25,007	2.00	311.20
RDY-02	25+00.00	31+00.00	30,135	2.00	375.01
RDY-03	31+00.00	37+00.00	33,120	2.00	412.16
RDY-04	37+00.00	42+35.00	28,411	2.00	353.56
RDY-05	46+79.11	47+06.52	765	2.00	9.52
RDY-02	29+05.00	29+45.00	2,087	2.00	25.98
RDY-02	30+55.00	31+00.00	2,265	2.00	28.18
				TOTAL	1516.0

POLY. LEVELING BINDER (MACHINE METH.), N70 SCHEDULE

SHEET	FROM STA	TO STA		AREA (SQ FT)	THICKNESS (IN)	WEIGHT (TON)
RDY-02	29+12.73	29+45.00	LT	1,139	1.8	12.76
RDY-02	29+14.50	29+45.00	RT	948	1.0	5.90
RDY-02	30+55.00	31+00.00	LT	1,131	2.5	17.59
RDY-02	30+55.00	31+00.00	RT	1,134	1.6	11.29
RDY-03	33+28.37	34+03.09	LT	825	1.0	5.13
RDY-05	46+79.11	47+06.52	LT	765	1.7	7.86
					TOTAL	61

DESIGNED	MWH	07/19/17
DRAWN	MWH	4/18/17
REVIEWED	KMA	4/18/17

FILE NAME = 14L0113-sht-SCH-01.dgn	USER NAME = hussu00411	DESIGNED - MWH	REVISED -
		DRAWN - MWH	REVISED -
	PLOT SCALE = 1.0000 ' / in.	CHECKED - KMA	REVISED -
	PLOT DATE = 4/19/2017	DATE - 4/19/17	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

SCALE: NTS | SHEET NO. OF SHEETS | STA. | TO STA.

SCH-01

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0412	14-00609-00-BR	WINNEBAGO	89	11
		CONTRACT NO. 85656		
		ILLINOIS FED. AID PROJECT		

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HMA PAVEMENT (FULL-DEPTH), 8" SCHEDULE

SHEET	FROM	TO	TOTAL (SQ FT)	TOTAL (SQ YD)
RDY-02	29+45.00	30+55.00	5370	600.0
			TOTAL	600

PCC SIDEWALK 5 INCH SCHEDULE

SHEET	FROM STA	TO STA	OFFSET	TOTAL (SQ FT)
RDY-01	21+19.0	21+52.5	LT	197.4
RDY-01	20+98.7	21+28.6	RT	311.1
RDY-02	27+18.4	27+59.2	LT	296.9
RDY-02	27+72.8	28+22.2	LT	258.3
RDY-02	27+47.0	31+00.0	RT	3,466.6
RDY-02	28+29.2	28+49.6	LT	129.5
RDY-02	29+04.7	31+00.0	LT	1,727.4
RDY-03	31+00.0	35+05.0	RT	3,893.6
RDY-03	33+28.4	33+49.8	LT	109.2
RDY-03	33+84.2	34+23.9	LT	205.3
RDY-04	37+26.5	37+53.9	LT	147.8
RDY-04	38+00.1	38+30.9	LT	157.9
RDY-05	46+76.2	46+99.3	LT	89.8
RDY-05	46+04.9	46+20.5	RT	66.8
RDY-05	46+52.6	47+02.6	RT	293.4
			TOTAL	11,351.0

DETECTABLE WARNINGS SCHEDULE

SHEET	FROM STA	TO STA	OFFSET	TOTAL (SQ FT)
RDY-01	21+19.00	21+24.00	LT	10.2
RDY-01	20+99.33	21+22.50	RT	25.8
RDY-02	27+43.62	27+51.12	LT	15.2
RDY-02	27+75.90	27+78.00	LT	10.0
RDY-02	28+15.48	28+17.68	LT	10.0
RDY-02	28+34.83	28+40.68	LT	10.8
RDY-03	33+44.05	33+46.05	LT	10.0
RDY-03	33+88.13	33+90.13	LT	10.0
RDY-04	37+49.79	37+51.79	LT	10.0
RDY-04	38+00.71	38+10.27	LT	17.7
RDY-05	46+90.98	46+98.77	LT	16.7
RDY-05	46+92.50	46+97.50	RT	10.0
			TOTAL	156

HOT-MIX ASPHALT SURFACE REMOVAL, 2" SCHEDULE

SHEET	FROM STA	TO STA	TOTAL (SQ FT)	TOTAL (SQ YD)	NOTES
REM-01	29+05.00	29+45.00	2,186.5	242.9	FOR STAGES 2 AND 3
REM-01	30+55.00	31+00.00	2,243.7	249.3	FOR STAGES 2 AND 3
REM-01	21+03.00	25+00.00	25,007.2	2,778.6	FOR FINAL HMA SURFACE
REM-01	25+00.00	31+00.00	30,134.9	3,348.3	FOR FINAL HMA SURFACE
REM-02	31+00.00	37+00.00	33,120.1	3,680.0	FOR FINAL HMA SURFACE
REM-02	37+00.00	42+35.00	28,411.2	3,156.8	FOR FINAL HMA SURFACE
REM-03	46+79.11	47+06.52	765.1	85.0	FOR FINAL HMA SURFACE
			TOTAL	13,541.0	

COMBINATION CURB AND GUTTER REMOVAL SCHEDULE

SHEET	FROM STA	FROM OFFSET	TO STA	TO OFFSET	TOTAL (FOOT)
REM-01	21+13.57	62.48' LT	21+37.08	46.55' LT	28.6
REM-01	21+03.35	29.80' RT	21+35.09	26.00' RT	32.3
REM-01	27+43.41	42.61' LT	27+56.32	56.59' LT	19.1
REM-01	27+46.00	25.37' RT	31+00.00	26.14' RT	354.0
REM-01	27+69.60	43.94' LT	27+77.42	58.62' LT	16.7
REM-01	28+13.36	60.79' LT	28+28.50	43.83' LT	22.8
REM-01	28+32.05	63.55' LT	28+41.04	54.81' LT	12.6
REM-01	29+05.00	31.97' LT	31+00.00	26.63' LT	195.1
REM-02	31+00.00	26.14' RT	33+03.26	28.55' RT	203.3
REM-02	33+32.41	29.52' LT	33+52.85	51.65' LT	33.2
REM-02	33+80.99	51.65' LT	34+03.08	29.73' LT	34.6
REM-02	37+51.16	39.13' LT	37+55.99	50.97' LT	12.9
REM-02	37+95.98	50.28' LT	38+11.16	39.77' LT	18.6
REM-03	46+79.17	31.50' LT	47+02.47	44.09' LT	28.4
REM-03	46+02.20	25.26' RT	46+22.92	26.15' RT	20.7
REM-03	46+56.80	26.06' RT	46+76.10	25.95' RT	19.3
REM-03	46+87.01	25.88' RT	47+03.01	25.80' RT	16.0
				TOTAL	1068.0

SIDEWALK REMOVAL SCHEDULE

SHEET	FROM STA	FROM OFFSET	TO STA	TO OFFSET	TOTAL (SQ FT)
REM-01	20+98.73	33.92' RT	21+28.59	37.02' RT	251.28
REM-01	21+28.01	52.48' LT	21+52.58	53.44' LT	98.59
REM-01	27+23.38	48.05' LT	27+59.23	65.73' LT	215.12
REM-01	27+47.00	31.05' RT	31+00.00	27+62' RT	1964.60
REM-01	27+72.77	47.01' LT	28+22.21	48.96' LT	258.54
REM-01	28+29.17	68.27' LT	28+49.55	61.84' LT	130.54
REM-01	29+04.67	38.30' LT	31+00.00	32.14' LT	1134.39
REM-02	31+00.00	27.72' RT	35+05.02	34.44' RT	2378.80
REM-02	33+26.37	32.79' LT	33+46.96	37.84' LT	69.41
REM-02	33+87.03	38.00' LT	34+23.92	37.84' LT	162.51
REM-02	37+39.29	45.87' LT	37+54.80	50.04' LT	71.74
REM-02	37+98.45	49.21' LT	38+30.88	46.88' LT	144.27
REM-03	46+76.08	35.39' RT	47+07.57	35.52' RT	156.08
REM-03	46+81.07	35.89' LT	46+99.48	41.84' LT	84.05
REM-03	46+52.60	30.80' RT	46+57.60	30.80' RT	25.00
				TOTAL	7145

CLASS D PATCHES, TYPE II, 8 INCH SCHEDULE

SHEET	FROM	TO	TOTAL (SQ FT)	TOTAL (SQ YD)	NOTES
RDY-01	22+56.92	22+59.92	45.00	5.00	Stage 1
RDY-01	22+56.92	22+59.92	93.00	10.33	Stage 2
RDY-01	22+56.92	22+59.92	52.44	5.83	Stage 3
			TOTAL	21	

COMB. CONC. CURB AND GUTTER, TYPE B-6.12 SCHEDULE

SHEET	FROM STA	TO STA	OFFSET	TOTAL (FOOT)	NOTES
RDY-02	27+69.19	27+76.95	LT	16.80	
RDY-02	28+13.75	28+28.86	LT	22.80	
			TOTAL	40.0	

COMB. CONC. CURB AND GUTTER, TYPE B-6.18 SCHEDULE

SHEET	FROM STA	TO STA	OFFSET	TOTAL (FOOT)	NOTES
RDY-01	21+03.58	21+35.08	RT	32.11	
RDY-01	21+14.25	21+37.45	LT	28.20	
RDY-02	27+43.10	27+55.91	LT	18.95	
RDY-02	27+46.00	31+00.00	RT	354.00	
RDY-02	28+32.05	28+41.04	LT	12.56	
RDY-02	29+05.00	31+00.00	LT	195.18	
RDY-03	31+00.00	33+03.26	RT	203.26	
RDY-03	33+32.38	34+03.08	LT	66.20	
RDY-04	37+50.74	37+55.50	LT	12.67	
RDY-04	37+96.35	38+11.35	LT	18.39	
RDY-05	46+79.17	47+01.56	LT	27.26	
RDY-05	46+02.19	46+22.93	RT	20.73	
RDY-05	46+56.81	46+76.10	RT	19.30	
RDY-05	46+87.00	47+03.00	RT	16.00	
			TOTAL	1025.0	

TEMPORARY SIDEWALK SCHEDULE

SHEET	ALIGN	FROM STA	FROM OFFSET	TO STA	TO OFFSET	TOTAL (SQ FT)
MOT-06	ALPINE	27+55.00	RT	32+00.00	RT	2018.60
MOT-07	ALPINE	32+00.00	RT	33+22.30	RT	588.00
					TOTAL	2607

TEMPORARY PAVEMENT SCHEDULE

SHEET	ALIGN	FROM STA	FROM OFFSET	TO STA	TO OFFSET	TOTAL (SQ YD)
MOT-06	ALPINE	27+46.00	23.80' RT	32+00.00	27.80' RT	604.71
MOT-07	ALPINE	32+00.00	27.80' RT	33+03.26	28.04' RT	72.55
					TOTAL	677

PAVEMENT MARKING SCHEDULE

SHEET	LOCATION					DESCRIPTION	AREA (SF)	PAY LENGTH (FOOT)				
							78000100	78000200	78000400	78000500	78000600	78000650
							LTR-SYM	LINE - 4"	LINE - 6"	LINE - 8"	LINE - 12"	LINE - 24"
PMK-01	21+17.0	VAR.	TO	21+17.0	VAR.	WHITE CROSSWALK BAR (SOUTH)			83.2			
PMK-01	21+23.0	VAR.	TO	21+23.0	VAR.	WHITE CROSSWALK BAR (NORTH)			78.2			
PMK-01	21+28.3	LT	TO	21+28.3	LT	WHITE STOP BAR						50.5
PMK-01	21+27.3	RT	TO	29+93.0	RT	DOUBLE YELLOW CL		1,745.5				
PMK-01	21+29.3	LT	TO	22+48.0	LT	SOLID WHITE LINE				118.8		
PMK-01	21+29.3	LT	TO	22+48.0	LT	SOLID WHITE LINE				118.8		
PMK-01	21+29.3	LT	TO	31+00.0	LT	WHITE SKIP DASH		242.8				
PMK-01	21+29.3	RT	TO	31+00.0	RT	WHITE SKIP DASH		243.2				
PMK-01	21+47.0	LT	TO	21+55.0	LT	LEFT ARROW	15.6					
PMK-01	21+47.0	LT	TO	21+57.0	LT	THRU ARROW	12.3					
PMK-01	21+47.0	LT	TO	21+59.6	LT	THRU/RIGHT ARROW	24.3					
PMK-01	21+84.0	LT	TO	21+92.0	LT	LEFT ARROW	15.6					
PMK-01	22+21.0	LT	TO	22+29.0	LT	LEFT ARROW	15.6					
PMK-01	22+50.6	LT	TO	25+27.0	LT	DOUBLE YELLOW CL		560.3				
PMK-01	22+48.0	LT	TO	23+61.0	LT	WHITE SKIP DASH				37.7		
PMK-01	22+48.0	LT	TO	25+27.0	LT	YELLOW DIAGONAL SET					95.5	
PMK-01	27+48.4	LT	TO	27+70.9	LT	WHITE CROSSWALK BAR (EAST)			22.6			
PMK-01	27+54.2	LT	TO	27+74.4	LT	WHITE CROSSWALK BAR (WEST)			20.2			
PMK-01	27+57.7	LT	TO	27+76.8	LT	WHITE STOP BAR						19.2
PMK-01	28+19.1	LT	TO	28+32.6	LT	WHITE CROSSWALK BAR (WEST)			14.8			
PMK-01	28+23.4	LT	TO	28+37.1	LT	WHITE CROSSWALK BAR (EAST)			15.1			
PMK-01	29+93.0	LT	TO	31+00.0	LT	DOUBLE YELLOW CL		214.1				
PMK-01	29+93.0	RT	TO	31+00.0	RT	DOUBLE YELLOW CL		214.1				
PMK-01	30+58.5	CT	TO	31+00.0	CT	YELLOW DIAGONAL SET					11.5	
PMK-02	31+00.0	CT	TO	32+93.0	CT	YELLOW DIAGONAL SET					65.6	
PMK-02	31+00.0	RT	TO	32+93.0	RT	DOUBLE YELLOW CL		387.3				
PMK-02	31+00.0	LT	TO	33+43.0	LT	DOUBLE YELLOW CL		486.1				
PMK-02	31+00.0	RT	TO	33+43.0	RT	WHITE SKIP DASH		60.8				
PMK-02	31+00.0	LT	TO	33+43.0	LT	WHITE SKIP DASH		60.7				
PMK-02	31+93.0	RT	TO	32+93.0	RT	WHITE SKIP DASH				33.3		
PMK-02	32+93.0	RT	TO	33+43.0	RT	SOLID WHITE LINE				50.0		
PMK-02	33+15.0	CT	TO	33+23.0	CT	LEFT ARROW	15.6					
PMK-02	33+43.7	VAR.	TO	33+90.2	VAR.	WHITE CROSSWALK BAR (EAST)			46.5			
PMK-02	33+49.8	VAR.	TO	33+84.1	VAR.	WHITE CROSSWALK BAR (WEST)			34.3			
PMK-02	33+52.5	LT	TO	33+67.0	LT	WHITE STOP BAR						14.5
PMK-02	33+96.0	LT	TO	36+76.0	LT	DOUBLE YELLOW CL		565.8				
PMK-02	33+96.0	RT	TO	36+76.0	RT	DOUBLE YELLOW CL		565.9				
PMK-02	34+02.0	CT	TO	36+25.5	CT	YELLOW DIAGONAL SET					84.5	
PMK-02	36+76.0	LT	TO	42+35.0	LT	DOUBLE YELLOW CL		1,118.0				
PMK-02	33+96.0	LT	TO	42+35.0	LT	WHITE SKIP DASH		209.8				
PMK-02	33+96.0	RT	TO	42+35.0	RT	WHITE SKIP DASH		209.8				
PMK-02	37+55.1	VAR.	TO	38+01.9	VAR.	WHITE CROSSWALK BAR (EAST)			46.8			
PMK-02	37+56.9	VAR.	TO	37+95.0	VAR.	WHITE CROSSWALK BAR (WEST)			38.1			
PMK-02	37+57.5	LT	TO	37+72.1	LT	WHITE STOP BAR						14.5
PMK-03	46+92.0	VAR.	TO	46+92.0	VAR.	WHITE CROSSWALK BAR (SOUTH)			58.3			
PMK-03	46+98.0	VAR.	TO	46+98.0	VAR.	WHITE CROSSWALK BAR (NORTH)			62.2			
						TOTAL	99	6,884	520	359	257	99

DESIGNED	MWH	01/19/17
DRAWN	MWH	4/18/17
REVIEWED	KMA	4/18/17

SCH-02

FILE NAME =	USER NAME = hussu00411	DESIGNED - MWH	REVISED -
14L0113-sht-SCH-02.dgn		DRAWN - MWH	REVISED -
	PLOT SCALE = 1.0000 ' / in.	CHECKED - KMA	REVISED -
	PLOT DATE = 4/19/2017	DATE - 4/19/17	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

SCALE: NTS | SHEET NO. OF SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0412	14-00609-00-BR	WINNEBAGO	89	12
		CONTRACT NO. 85656		
	ILLINOIS	FED. AID PROJECT		

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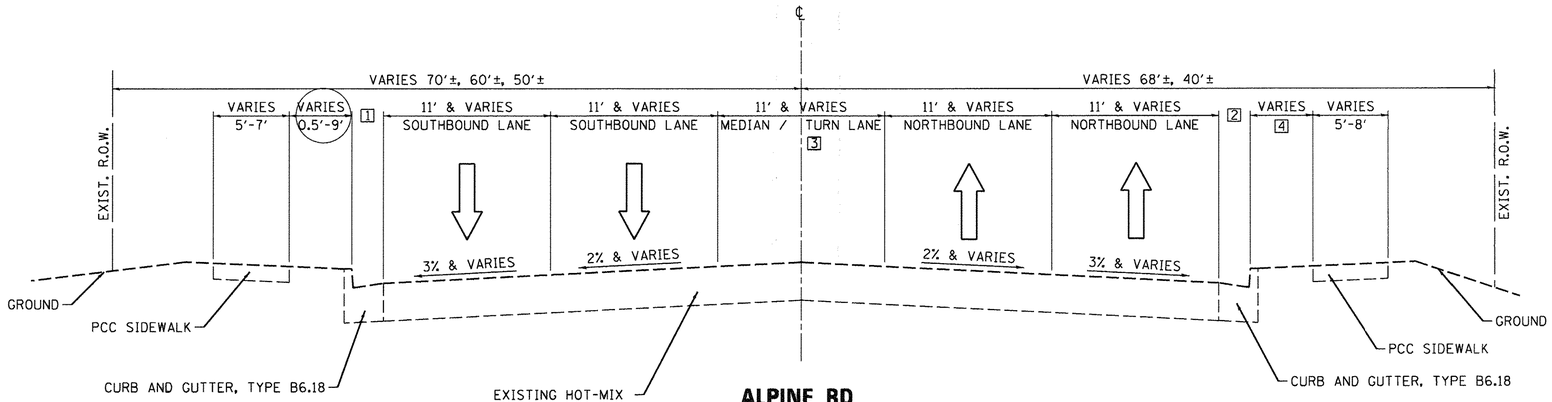
GUTTER FLAG PAVED OVER WITH ASPHALT

[1] STA 22+35.00 TO STA 25+34.44
STA 29+47.46 TO STA 30+21.00



GUTTER FLAG PAVED OVER WITH ASPHALT

[2] STA 23+25.00 TO STA 25+34.44
STA 29+47.46 TO STA 30+46.00
STA 30+91.00 TO STA 36+77.52

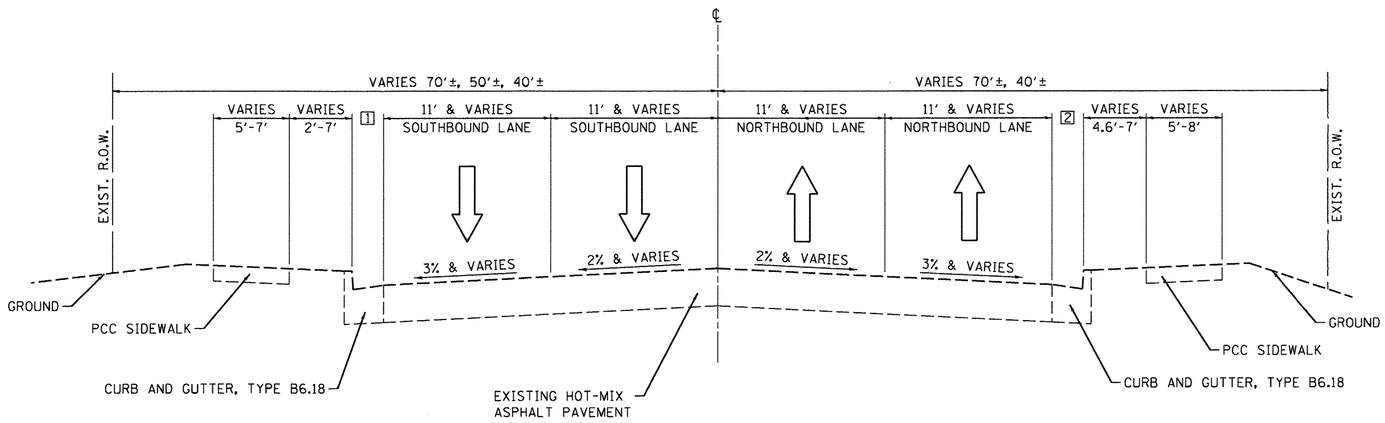
ALPINE RD
EXISTING TYPICAL SECTION
STA 22+35.00 TO STA 25+34.44
STA 29+47.46 TO STA 36+77.52

[3] MEDIAN / TURN LANE
STA 22+35.00 TO STA 23+60.93 = 14.8'
STA 23+60.93 TO STA 25+34.44 = 14.8' TO 0'
STA 29+47.46 TO STA 31+98.65 = 0' TO 11.7'
STA 31+98.65 TO STA 34+56.35 = 11.7'
STA 34+56.35 TO STA 36+77.52 = 11.7' TO 0'

[4] BUFFER WIDTH
STA 22+35.00 TO STA 25+34.44 = 0.5' (SIDEWALK AT CURB)
STA 29+47.46 TO STA 29+79.72 = 4.6' TO 0.5' (SIDEWALK AT CURB)
STA 29+79.72 TO STA 30+45.69 = 0.5' (SIDEWALK AT CURB)
STA 30+45.69 TO STA 35+77.11 = 2' (SIDEWALK AT CURB)
STA 35+77.11 TO STA 36+77.52 = 2' (SIDEWALK AT CURB) TO 7'

GUTTER FLAG PAVED OVER WITH ASPHALT

[1] STA 25+34.44 TO STA 29+47.46
STA 39+12.00 TO STA 41+72.00



GUTTER FLAG PAVED OVER WITH ASPHALT

[2] STA 36+77.52 TO STA 41+72.00

ALPINE RD
EXISTING TYPICAL SECTION
STA 25+34.44 TO STA 29+47.46
STA 36+77.52 TO STA 42+35.00

NOTES:
1. THE EXISTING GUTTER PAN IS TYPICALLY PAVED OVER WITH ASPHALT.
2. THE OUTER LANE WIDTH ARE NOMINALLY 11' WHERE THE GUTTER PAN IS NOT PAVED OVER AND 12' ELSEWHERE.

DESIGNED	DPA	11/11/16
DRAWN	MWH	4/18/17
REVIEWED	KMA	4/18/17

FILE NAME = 14L0113-sht-typ-01.dgn	USER NAME = hussu00411	DESIGNED - DPA	REVISED -
		DRAWN - MWH	REVISED -
	PLOT SCALE = 5.0000 ' / in.	CHECKED - KMA	REVISED -
	PLOT DATE = 4/19/2017	DATE - 4/19/17	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

SCALE: NTS | SHEET NO. OF SHEETS | STA. | TO STA.

TYP-01

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0412	14-00609-00-BR	WINNEBAGO	89	13
		CONTRACT NO. 85656		
	ILLINOIS FED. AID PROJECT			

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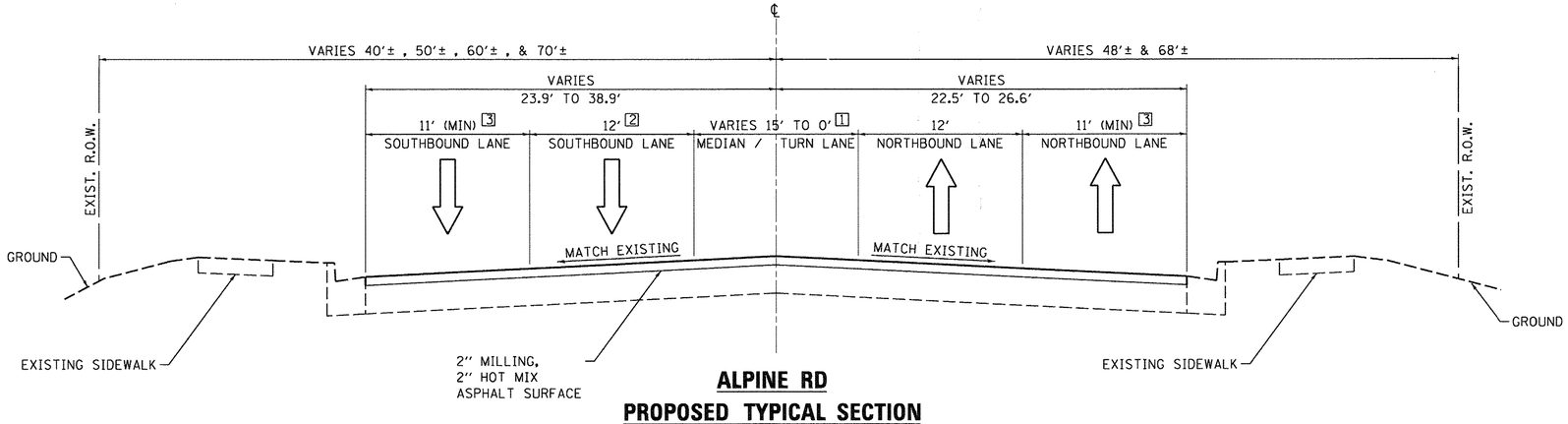
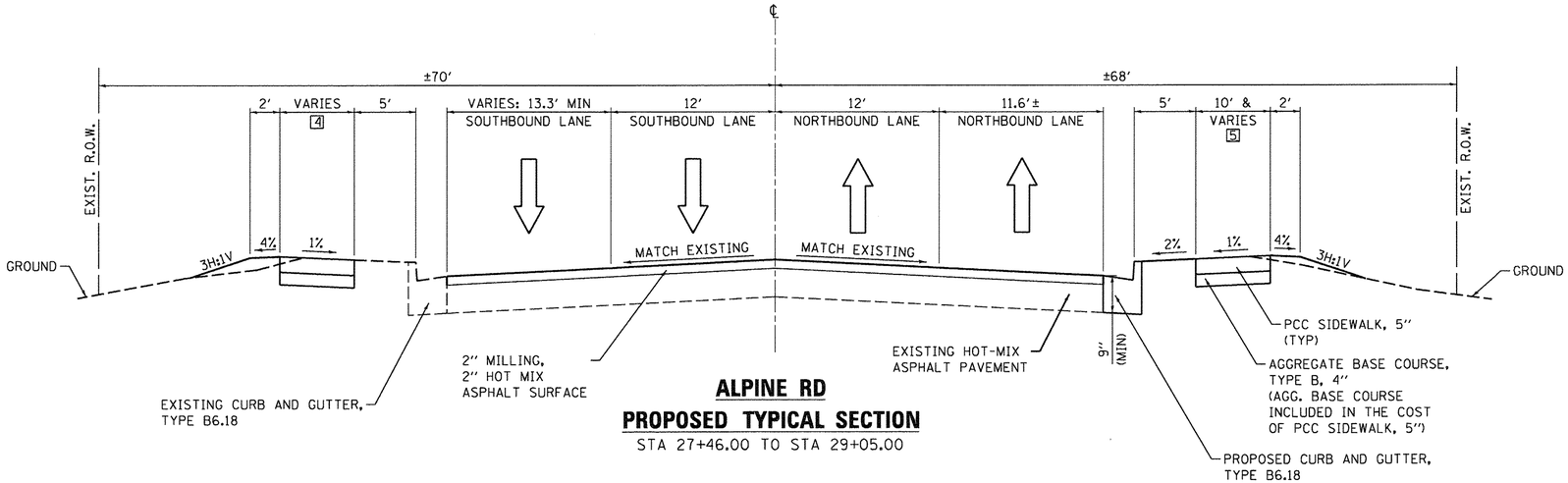


ALPINE RD
PROPOSED TYPICAL SECTION
STA 21+03.00 TO STA 27+46.00
STA 35+05.00 TO STA 42+35.00



ALPINE RD
PROPOSED TYPICAL SECTION
STA 27+46.00 TO STA 29+05.00

[1] MEDIAN / TURN LANE
STA 22+35.00 TO STA 22+48.00 = 15'
STA 22+48.00 TO STA 23+61.00 = 15' TO 13'
STA 23+61.00 TO STA 25+27.00 = 13' TO 0'
STA 25+27.00 TO STA 27+46.00 = 0'
STA 35+05.00 TO STA 36+76.00 = 7.7' TO 0'
STA 36+76.00 TO STA 42+35.00 = 0'

[2] LANE WIDTH
STA 22+35.00 TO STA 27+46.00 = 12'
STA 35+05.00 TO STA 36+76.00 = 11.2' TO 12'
STA 36+76.00 TO STA 42+35.00 = 12'

[3] OUTSIDE LANE WIDTH
WHERE HMA COVERS EXISTING GUTTER PAN = 12' (MIN)
ELSEWHERE = 11' (MIN)

[4] SIDEWALK WIDTH
STA 27+47.82 TO STA 27+87.83 = 5' TO 10'

[5] SIDEWALK WIDTH
STA 29+05.61 TO STA 29+43.00 = 5' TO 9'
(EXIST. SIDEWALK ELSEWHERE)

DESIGNED	DPA 11/11/16
DRAWN	MWH 4/18/17
REVIEWED	KMA 4/18/17

FILE NAME = 14L0113-sht-typ-02.dgn

USER NAME = hussu00411
PLOT SCALE = 5.0000 ' / in.
PLOT DATE = 4/19/2017

DESIGNED - DPA
DRAWN - MWH
CHECKED - KMA
DATE - 4/19/17

REVISED -
REVISED -
REVISED -
REVISED -

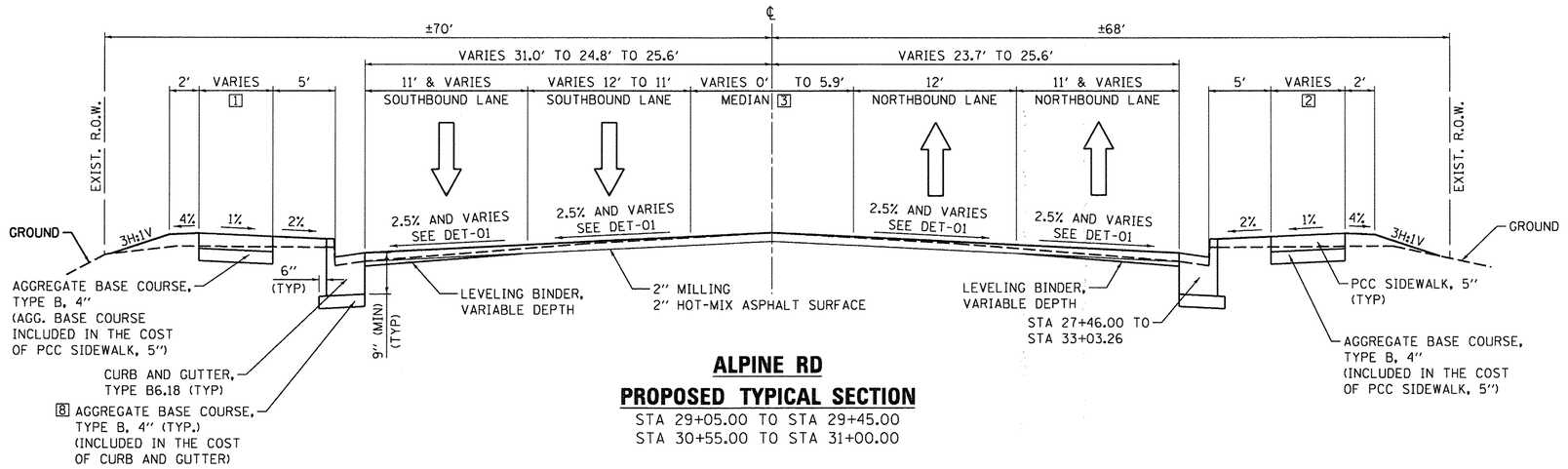
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

SCALE: NTS | SHEET NO. OF SHEETS | STA. | TO STA.

TYP-02

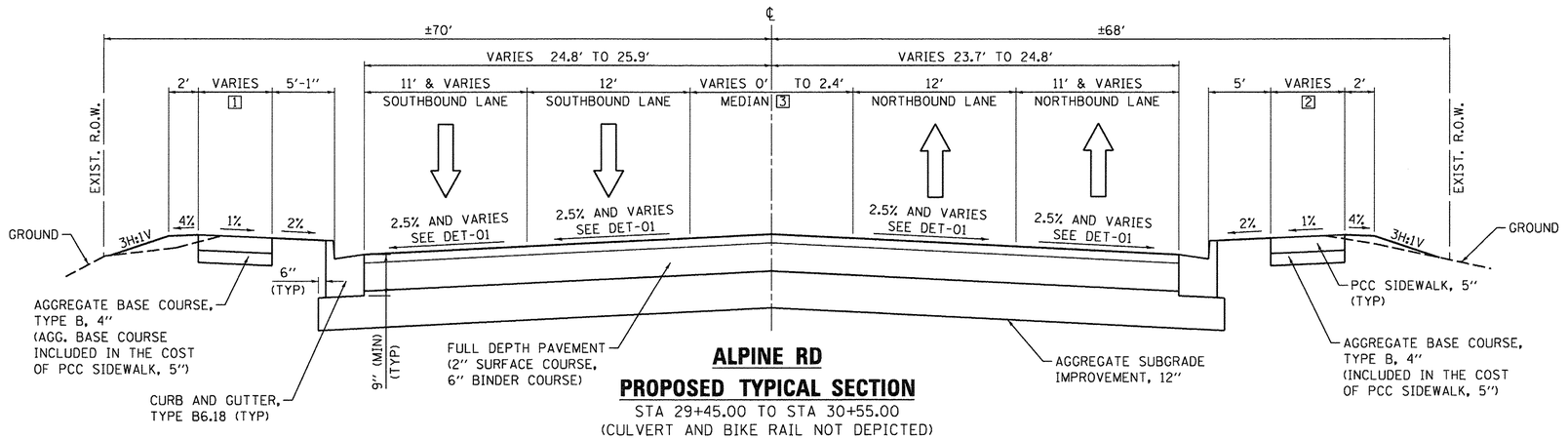
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0412	14-00609-00-BR	WINNEBAGO	89	14
		CONTRACT NO. 85656		
	ILLINOIS FED. AID PROJECT			



ALPINE RD

PROPOSED TYPICAL SECTION

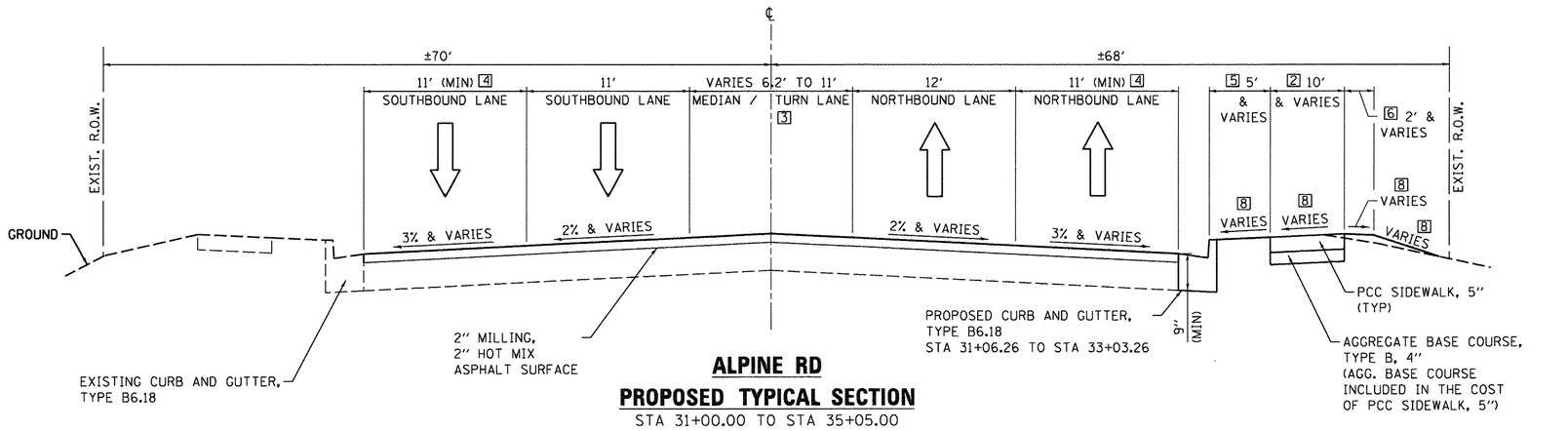
STA 29+05.00 TO STA 29+45.00
STA 30+55.00 TO STA 31+00.00



ALPINE RD

PROPOSED TYPICAL SECTION

STA 29+45.00 TO STA 30+55.00
(CULVERT AND BIKE RAIL NOT DEPICTED)



ALPINE RD

PROPOSED TYPICAL SECTION

STA 31+00.00 TO STA 35+05.00

[1] SIDEWALK WIDTH (LEFT SIDE)
STA 29+43.00 TO STA 29+54.43 = 9′ TO 10′
STA 29+54.43 TO STA 30+67.01 = 10′
STA 30+67.01 TO STA 31+06.26 = 10′ TO 5′

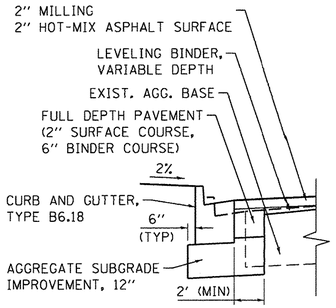
[2] SIDEWALK WIDTH (RIGHT SIDE
STA 29+43.00 TO STA 29+82.17 = 10′
STA 29+82.17 TO STA 30+18.17 = 10.75′
STA 30+18.17 TO STA 31+06.26 = 10′
STA 34+05.04 TO STA 34+52.87 = 10′ TO 7.8′
STA 34+52.87 TO STA 35+04.02 = 7.9′ TO 6′

[3] MEDIAN / TURN LANE
STA 29+43.00 TO STA 29+93.00 = 0′
STA 29+93.00 TO STA 31+00.00 = 0′ TO 5.9′
STA 31+00.00 TO STA 32+93.00 = 5.9′ TO 11′
STA 32+93.00 TO STA 33+90.00 = 11′
STA 33+90.00 TO STA 34+51.00 = 10′
STA 34+51.00 TO STA 35+05.00 = 10′ TO 7.7′

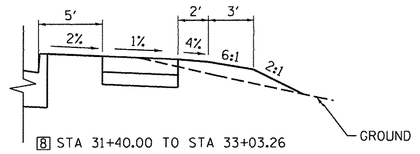
[4] OUTSIDE LANE WIDTH
WHERE HMA COVERS EXISTING GUTTER PAN = 12′ (MIN)
ELSEWHERE = 11′ (MIN)

[5] BUFFER WIDTH
STA 34+05.04 TO STA 34+52.87 = 5′ TO 2′
STA 34+52.87 TO STA 35+05.00 = 0′

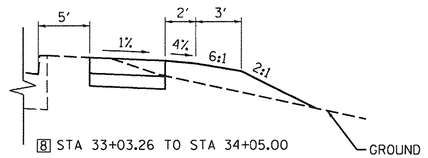
[6] SLOPE WIDTH
STA 31+40.00 TO STA 34+05.00 = 5′



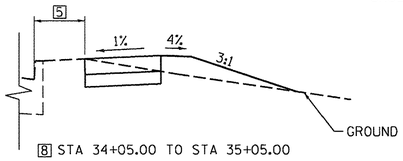
[7] STA 30+36.00 TO STA 31+00.00



[8] STA 31+40.00 TO STA 33+03.26



[8] STA 33+03.26 TO STA 34+05.00



[8] STA 34+05.00 TO STA 35+05.00

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DESIGNED	DPA	2/6/17
DRAWN	MWH	4/18/17
REVIEWED	KMA	4/18/17

FILE NAME = 14L0113-sht-typ-03.dgn	USER NAME = hussu00411	DESIGNED - DPA	REVISED -
		DRAWN - MWH	REVISED -
	PLOT SCALE = 5.0000 ′ / in.	CHECKED - KMA	REVISED -
	PLOT DATE = 4/19/2017	DATE - 4/19/17	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

SCALE: NTS | SHEET NO. OF SHEETS | STA. | TO STA.

TYP-03

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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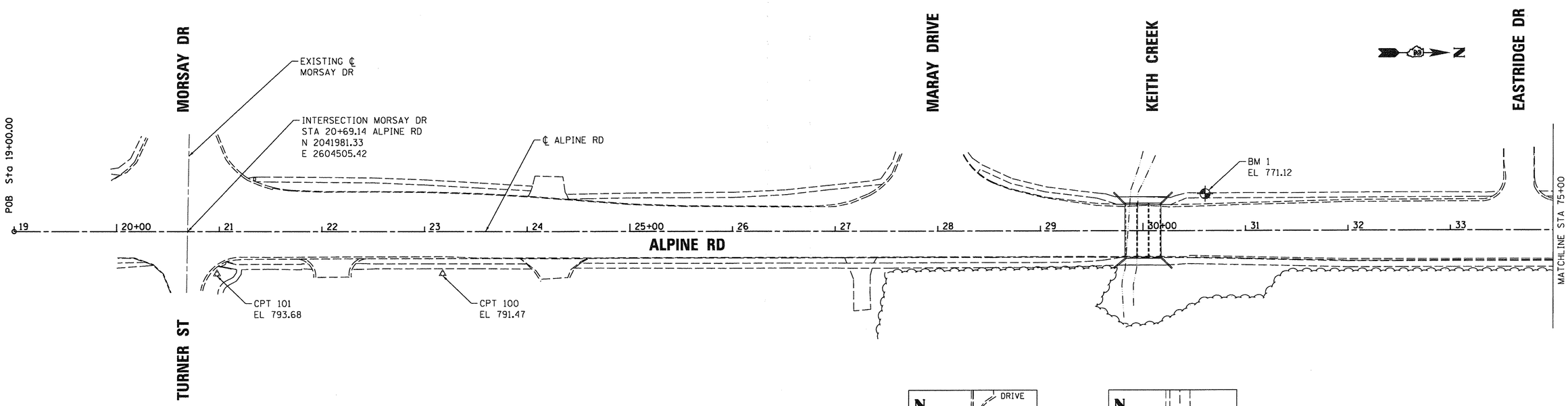
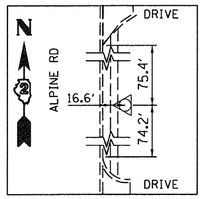
		CONTRACT NO. 85656		
	ILLINOIS FED. AID PROJECT			

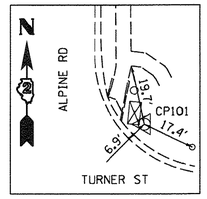


BENCHMARK #1
EL 771.12

CUT CROSS IN SIDEWALK
STA 30+60.94, 36.06' LT
N 2604455.73
E 2042972.56



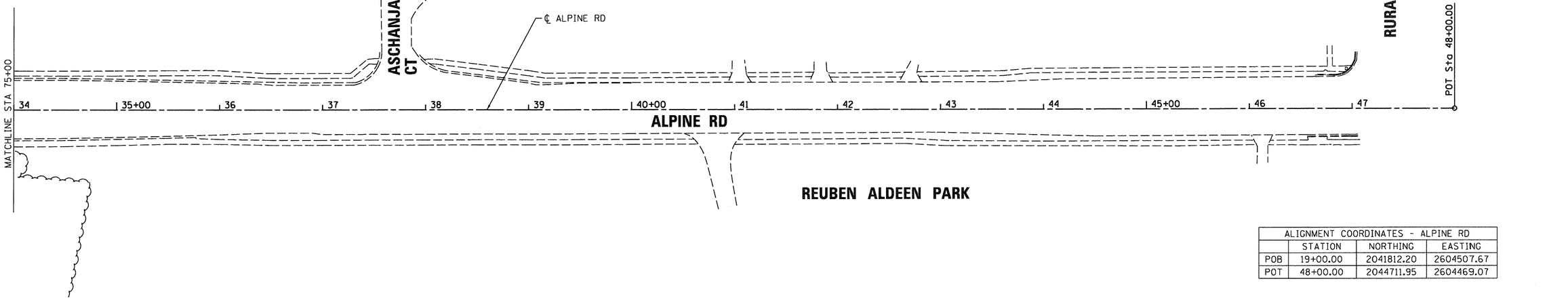
CONTROL POINT #100
FOUND IRON ROD
STA 23+17.62, 41.21' LT
N 2604543.32
E 2042230.33
EL 791.47



CONTROL POINT #101
FOUND IRON ROD
STA 20+97.73, 41.31' LT
N 2604546.34
E 2042010.47
EL 793.68

CPT 21
EL 836.67

CONTROL POINT #21
SW QUADRANT RURAL ST
STA 46+95.99, 202.61' LT
N 2604267.86
E 2044605.24
EL 836.67



ALIGNMENT COORDINATES - ALPINE RD			
	STATION	NORTHING	EASTING
POB	19+00.00	2041812.20	2604507.67
POT	48+00.00	2044711.95	2604469.07

0 50 100 150
SCALE IN FEET

ALT-01

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DESIGNED	DPA	11/11/16
DRAWN	MWH	4/18/17
REVIEWED	KMA	4/18/17

FILE NAME = 14L0113-sht-alt-01.dgn	USER NAME = hussu00411	DESIGNED - DPA	REVISED -
		DRAWN - MWH	REVISED -
	PLOT SCALE = 50.0000 ' / in.	CHECKED - KMA	REVISED -
	PLOT DATE = 4/19/2017	DATE - 4/19/17	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ALIGNMENTS, TIES & BENCHMARKS

SCALE: NTS | SHEET NO. OF SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0412	14-00609-00-BR	WINNEBAGO	89	16
		CONTRACT NO. 85656		
	ILLINOIS FED. AID PROJECT			

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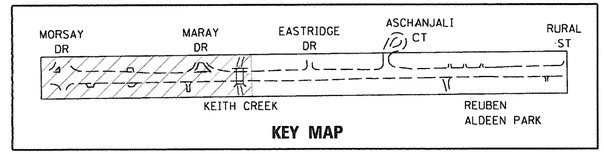
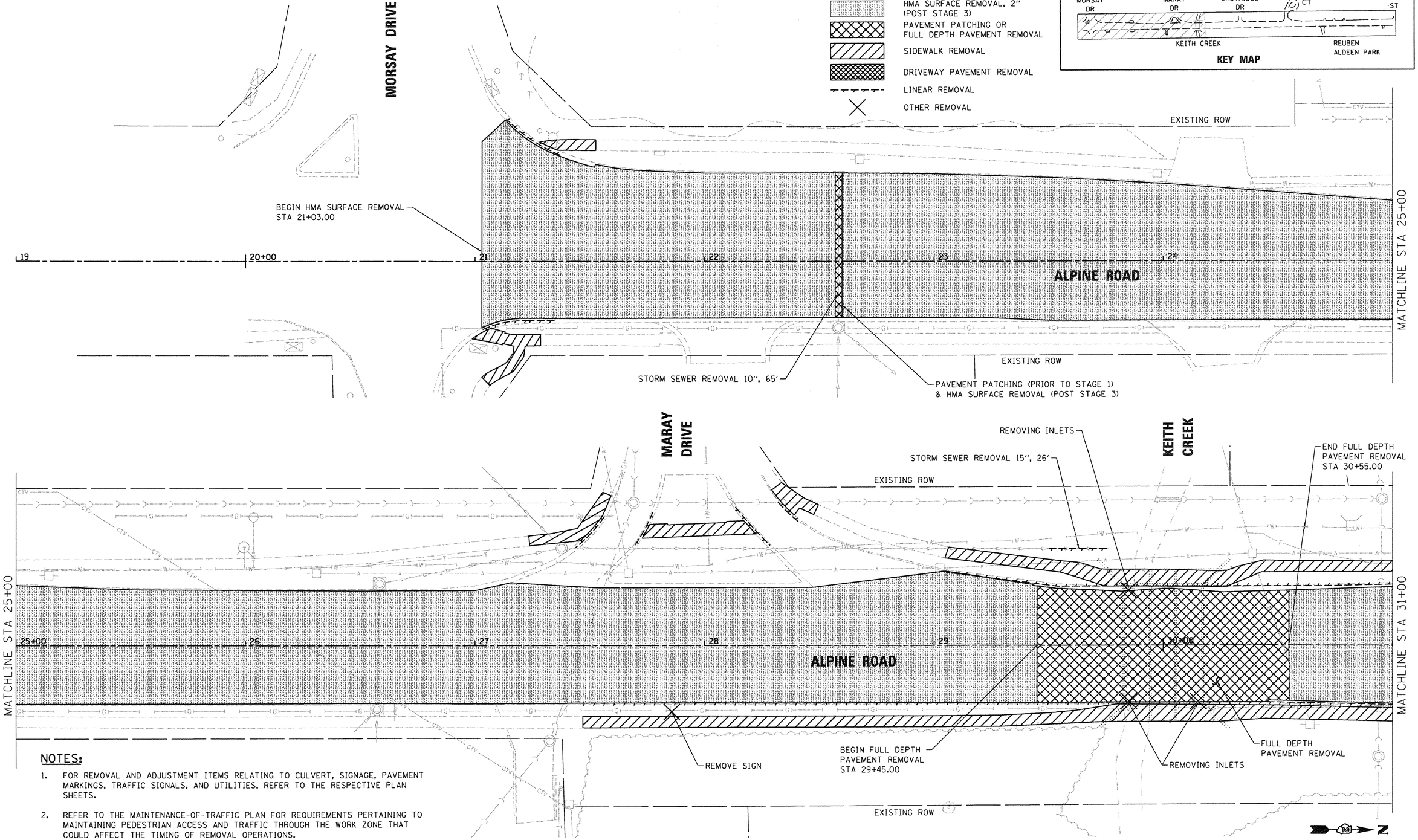
REMOVAL LEGEND

- HMA SURFACE REMOVAL, 2" (POST STAGE 3)
- PAVEMENT PATCHING OR FULL DEPTH PAVEMENT REMOVAL
- SIDEWALK REMOVAL
- DRIVEWAY PAVEMENT REMOVAL
- LINEAR REMOVAL
- OTHER REMOVAL



KEY MAP



NOTES:

1. FOR REMOVAL AND ADJUSTMENT ITEMS RELATING TO CULVERT, SIGNAGE, PAVEMENT MARKINGS, TRAFFIC SIGNALS, AND UTILITIES, REFER TO THE RESPECTIVE PLAN SHEETS.
2. REFER TO THE MAINTENANCE-OF-TRAFFIC PLAN FOR REQUIREMENTS PERTAINING TO MAINTAINING PEDESTRIAN ACCESS AND TRAFFIC THROUGH THE WORK ZONE THAT COULD AFFECT THE TIMING OF REMOVAL OPERATIONS.
3. REFER TO PLAN AND PROFILE SHEETS AND INTERSECTION DETAIL SHEETS FOR LIMITS OF REMOVAL ITEMS.

SCALE IN FEET 0 20 40 60

REM-01

DESIGNED	DPA	12/30/16
DRAWN	MWH	4/18/17
REVIEWED	KMA	4/18/17

FILE NAME = 14L0113-sht-rem-01.dgn	USER NAME = hussu00411	DESIGNED - DPA	REVISED -
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	PLOT DATE = 4/19/2017	DATE - 4/19/17	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REMOVAL PLAN

SCALE: 1" = 20' | SHEET NO. OF SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0412	14-00609-00-BR	WINNEBAGO	89	17
		CONTRACT NO. 85656		
	ILLINOIS FED. AID PROJECT			

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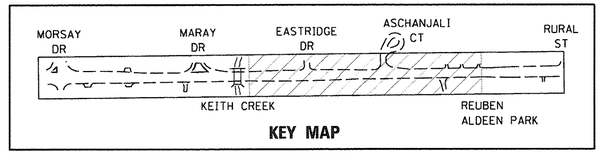
REMOVAL LEGEND

- HMA SURFACE REMOVAL, 2" (POST STAGE 3)
- PAVEMENT PATCHING OR FULL DEPTH PAVEMENT REMOVAL
- SIDEWALK REMOVAL
- DRIVEWAY PAVEMENT REMOVAL
- LINEAR REMOVAL
- OTHER REMOVAL



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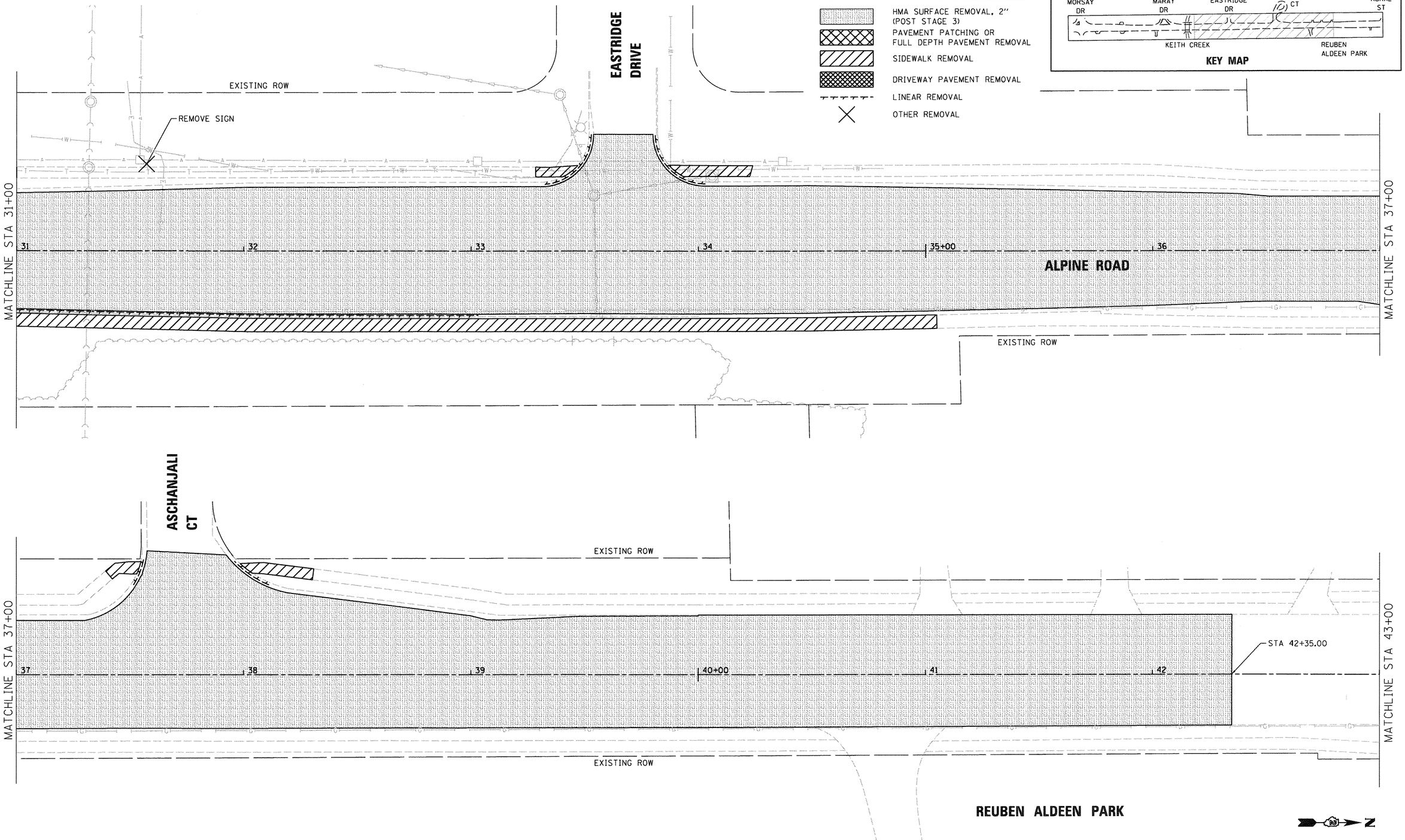

0 20 40 60
SCALE IN FEET

REM-02

DESIGNED	DPA	12/30/16
DRAWN	MWH	4/18/17
REVIEWED	KMA	4/18/17

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	PLOT DATE = 4/19/2017	DATE - 4/19/17	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REMOVAL PLAN

SCALE: 1" = 20' | SHEET NO. OF SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0412	14-00609-00-BR	WINNEBAGO	89	18
		CONTRACT NO. 85656		
	ILLINOIS FED. AID PROJECT			

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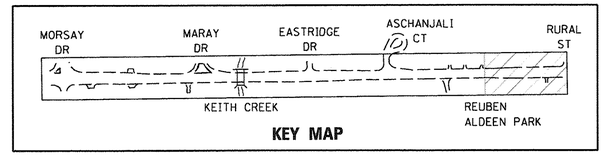
REMOVAL LEGEND

- HMA SURFACE REMOVAL, 2" (POST STAGE 3)
- PAVEMENT PATCHING OR FULL DEPTH PAVEMENT REMOVAL
- SIDEWALK REMOVAL
- DRIVEWAY PAVEMENT REMOVAL
- LINEAR REMOVAL
- OTHER REMOVAL



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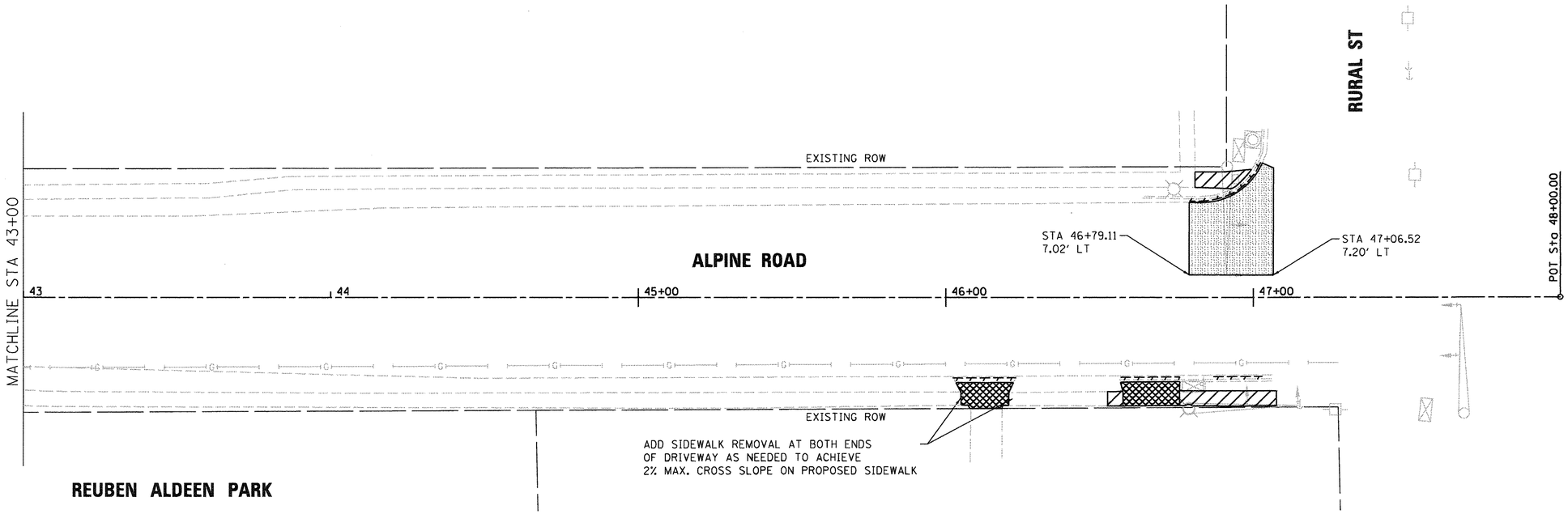

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SCALE IN FEET

REM-03

DESIGNED	DPA	12/30/16
DRAWN	MWH	4/18/17
REVIEWED	KMA	4/18/17

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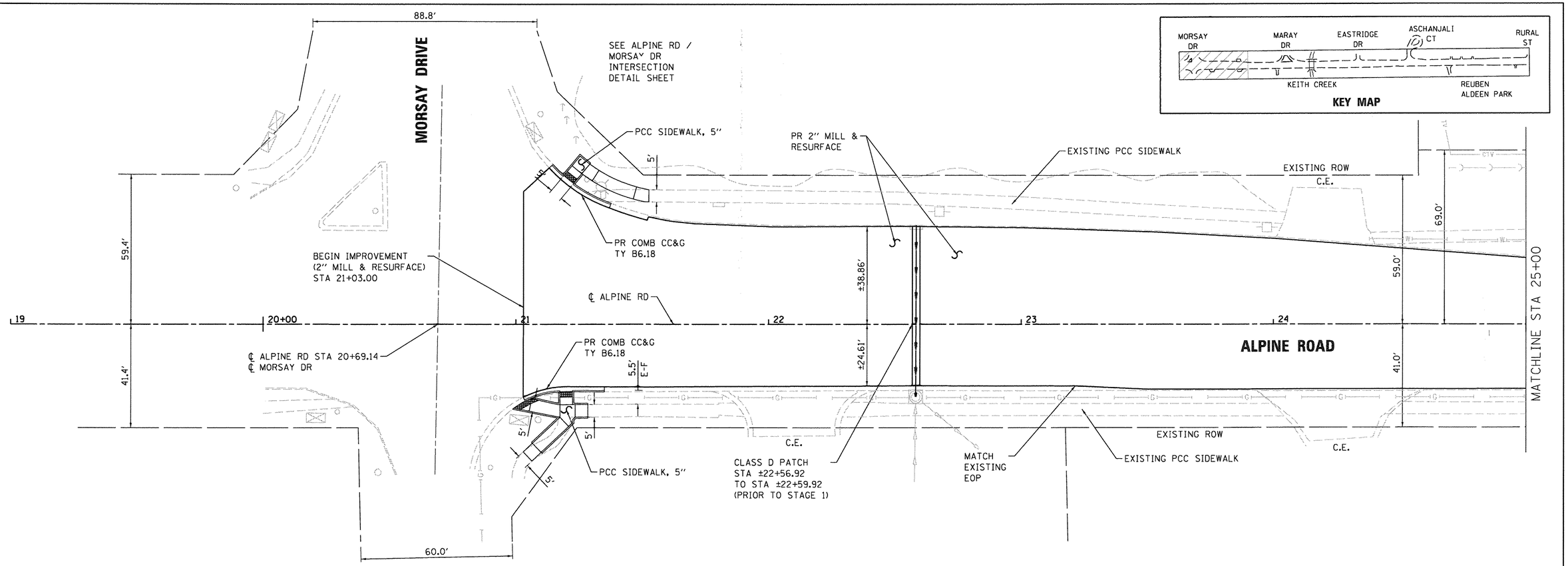
		DRAWN - MWH	REVISED -
	PLOT SCALE = 20.0000 ' / in.	CHECKED - KMA	REVISED -
	PLOT DATE = 4/19/2017	DATE - 4/19/17	REVISED -

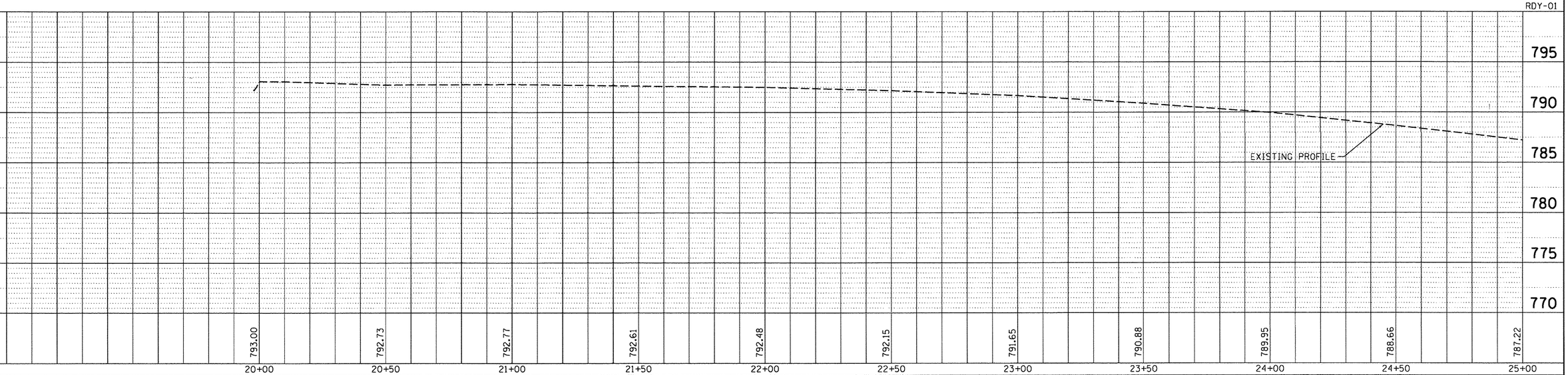
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REMOVAL PLAN

SCALE: 1" = 20' | SHEET NO. OF SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0412	14-00609-00-BR	WINNEBAGO	89	19
		CONTRACT NO. 85656		
	ILLINOIS FED. AID PROJECT			





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ALIGNMENT CHECKED
RT. OF WAY CHECKED
CADD FILE NAME
NOTE BOOK
NO.
BY
DATE

PROFILE
SURVEYED
PLOTTED
CROSS SECTIONS CHECKED
B.M. NOTED
STRUCTURE NOTATNS CHKD
NOTE BOOK
NO.
BY
DATE

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DESIGNED	DPA	11/11/16
DRAWN	MWH	4/18/17
REVIEWED	KMA	4/18/17

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	PLOT DATE = 4/19/2017	DATE - 4/19/17	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE

SCALE: 1' = 20' | SHEET NO. 1 OF 5 SHEETS | STA. 19+00.00 TO STA. 25+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0412	14-00609-00-BR	WINNEBAGO	89	20
		CONTRACT NO.		
		ILLINOIS FED. AID PROJECT		

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PLAN	DATE	BY
SURVEYED		
PLOTTED		
DRAWN		
ALIGNMENT CHECKED		
RT. OF WAY CHECKED		
CADD FILE NAME		
NOTE BOOK		
NO.		

PROFILE	DATE	BY
SURVEYED		
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B.M. NOTED		
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	DPA	MWH	KMA
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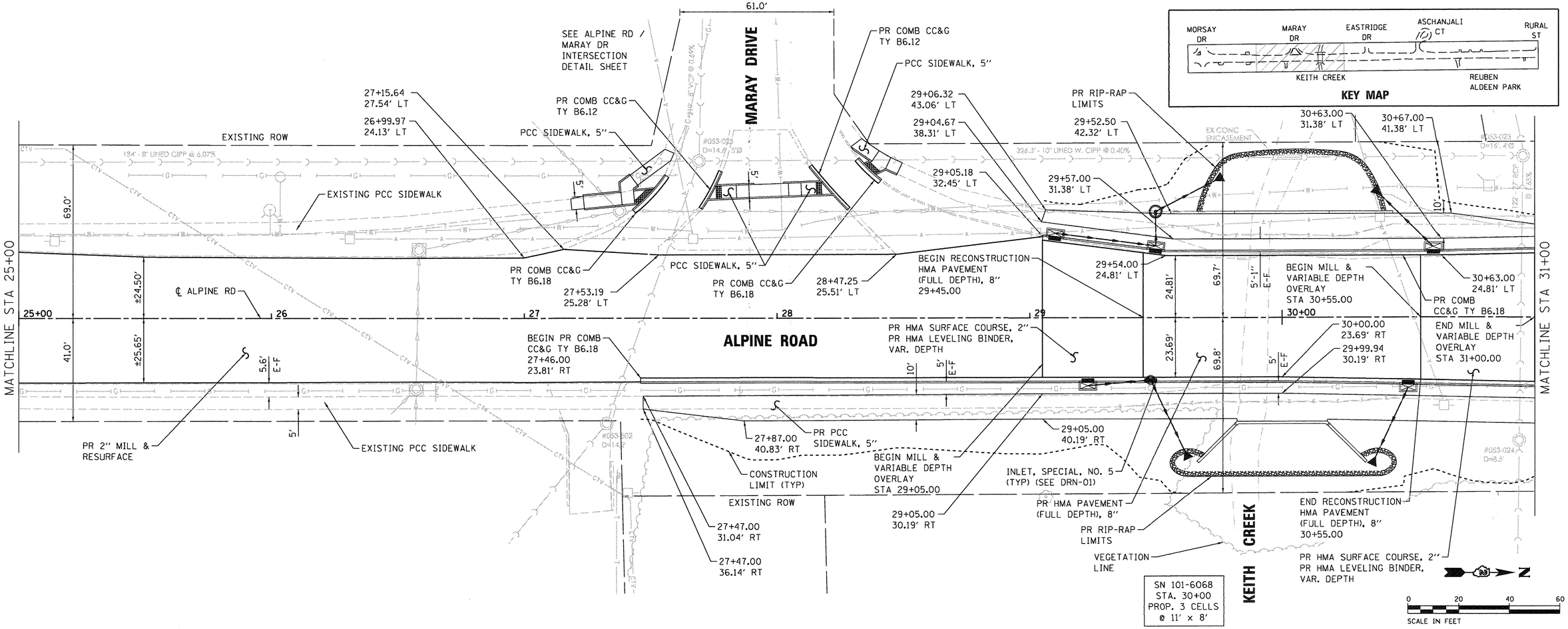
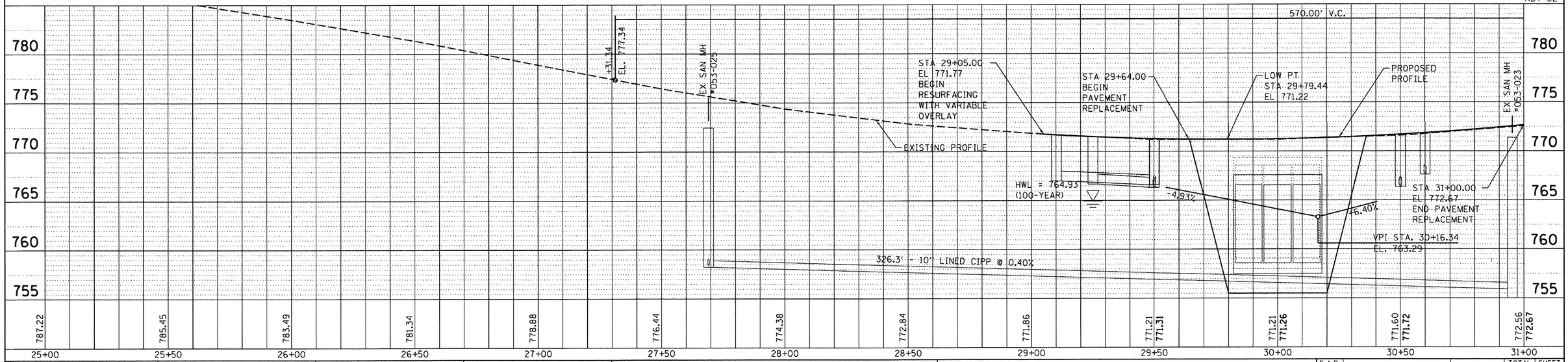
DRAWN	4/18/17		
REVIEWED	4/18/17		



RDY-02



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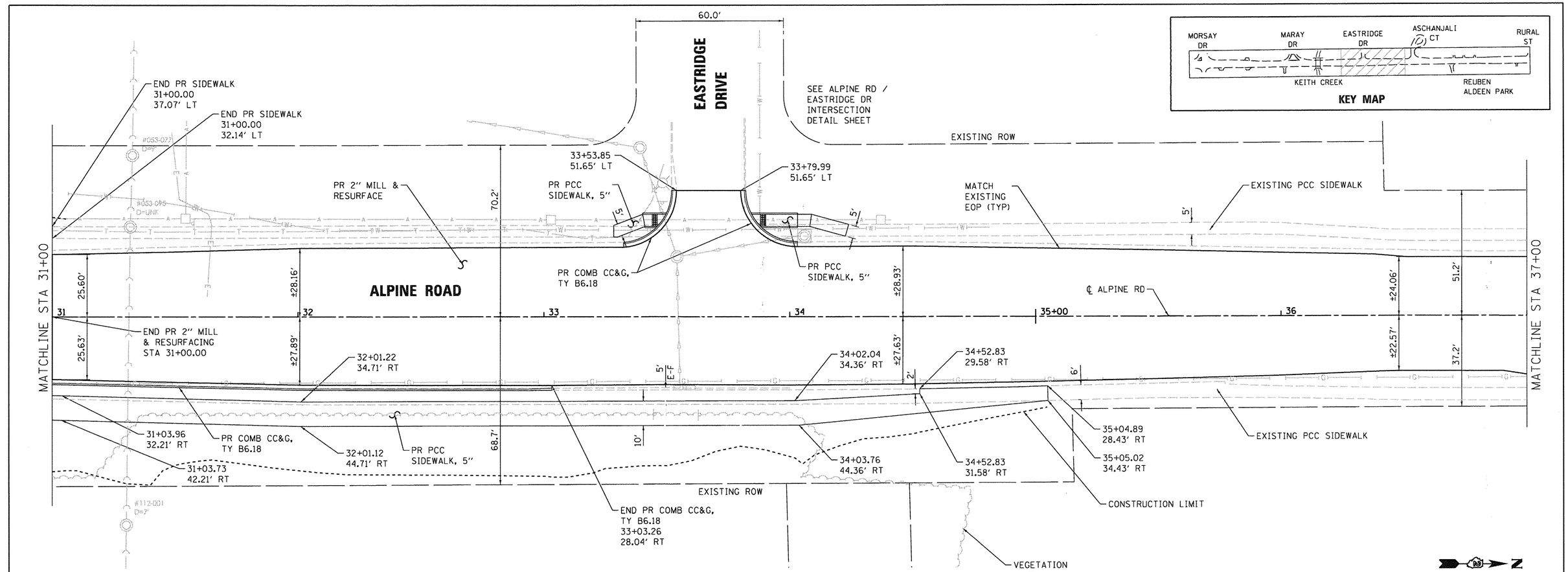
	PLOT DATE = 4/19/2017	DATE - 4/19/17	REVISED -

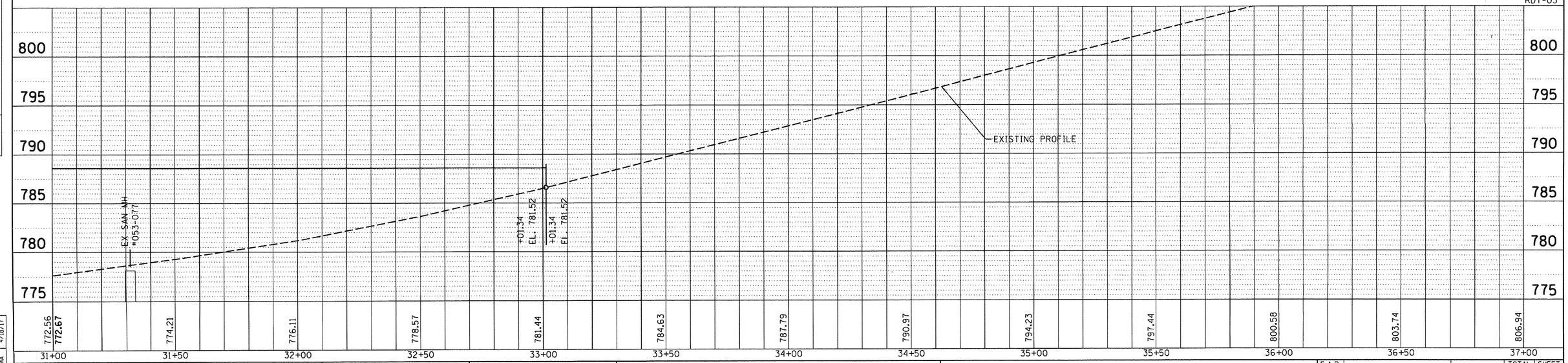
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE

SCALE: 1' = 20' | SHEET NO. 2 OF 5 SHEETS | STA. 25+00.00 TO STA. 31+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0412	14-00609-00-BR	WINNEBAGO	89	21
		CONTRACT NO. 85656		
		ILLINOIS FED. AID PROJECT		





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BY
DATE

PROFILE
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PLOTTED
PROFILE CHECKED
BM. NOTED
STRUCTURE NO(S).
NO(S). CHKD
NOTE BOOK
NO.

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	BY	DATE
DESIGNED	DPA	11/11/16
DRAWN	MWH	4/18/17
REVIEWED	KMA	4/18/17

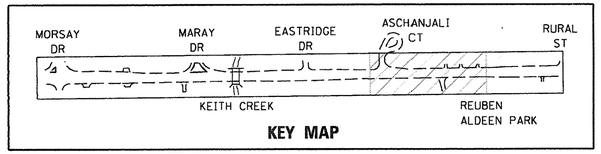
FILE NAME = 14L0113-sht-plnprf-03.dgn	USER NAME = hussu00411	DESIGNED - DPA / DRAWN - MWH / CHECKED - KMA / DATE - 4/19/17
	PLOT SCALE = 20.0000 ' / in.	REVISED -
	PLOT DATE = 4/19/2017	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

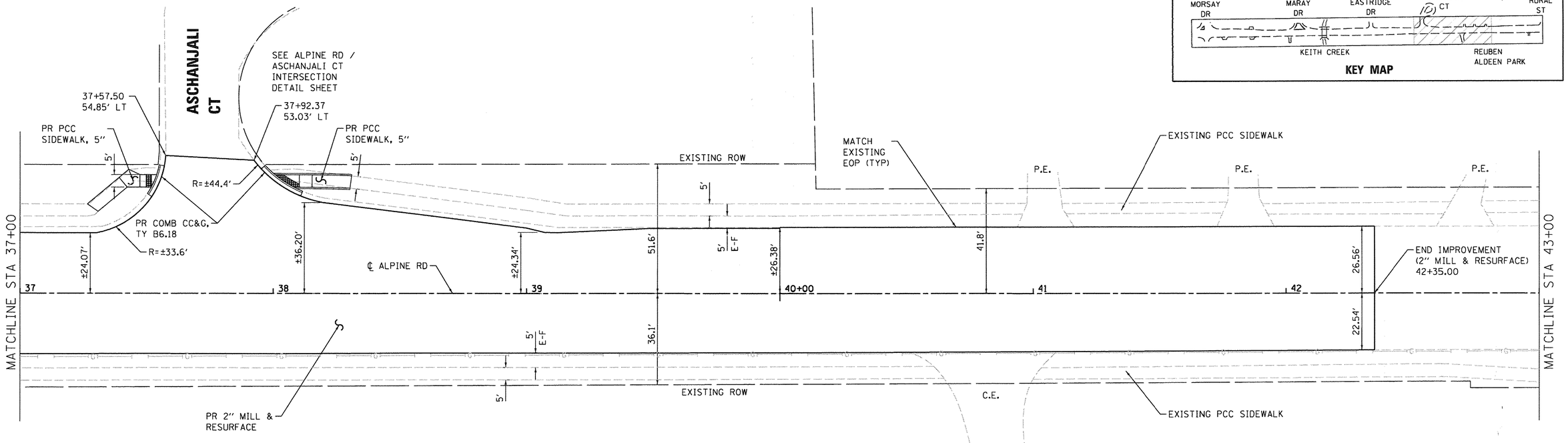
PLAN AND PROFILE

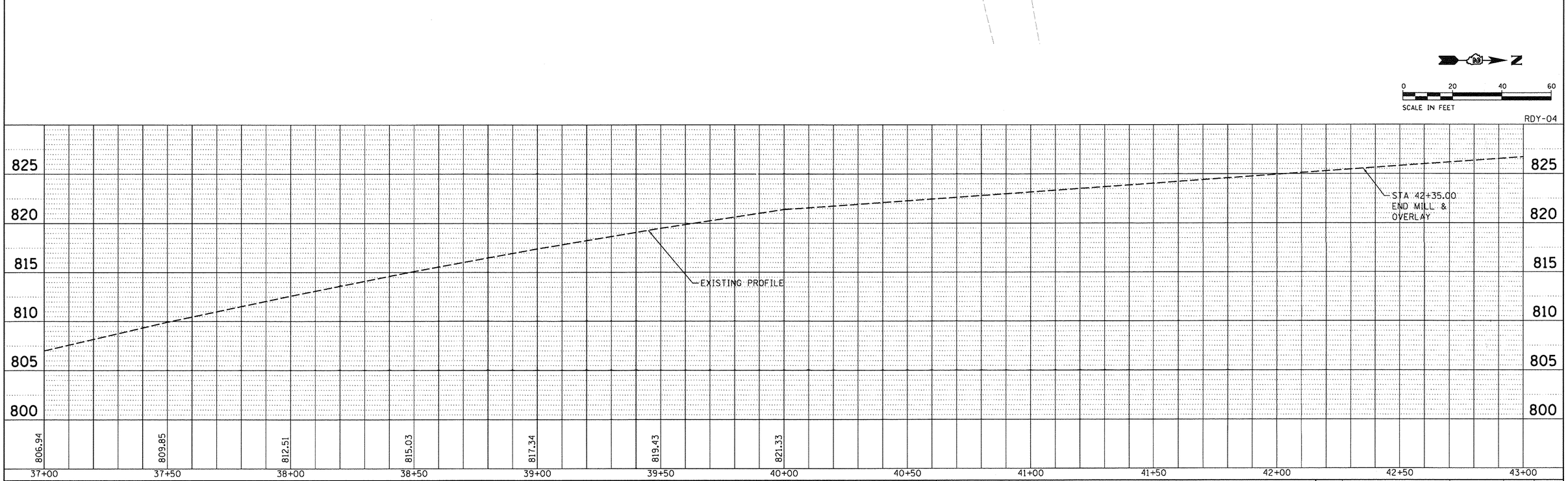
SCALE: 1' = 20' | SHEET NO. 3 OF 5 SHEETS | STA. 31+00.00 TO STA. 37+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0412	14-00609-00-BR	WINNEBAGO	89	22
		CONTRACT NO. 85656		
	ILLINOIS FED. AID PROJECT			



KEY MAP





N

0 20 40 60

SCALE IN FEET

RDY-04

PLAN

BY	DATE

SURVEYED
PLOTTED
ALIGNMENT CHECKED
RT. OF WAY CHECKED
CADD FILE NAME

NOTE BOOK
NO.

PROFILE

BY	DATE

SURVEYED
PLOTTED
DATA CHECKED
BM & NOTED
STRUCTURE NOTAT'NS CHKD

NOTE BOOK
NO.

DESIGNED	DPA	11/11/16
DRAWN	MWH	4/18/17
REVIEWED	KMA	4/18/17

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FILE NAME = 14L0113-sht-plnprf-04.dgn	USER NAME = hussu00411	DESIGNED - DPA	REVISED -
		DRAWN - MWH	REVISED -
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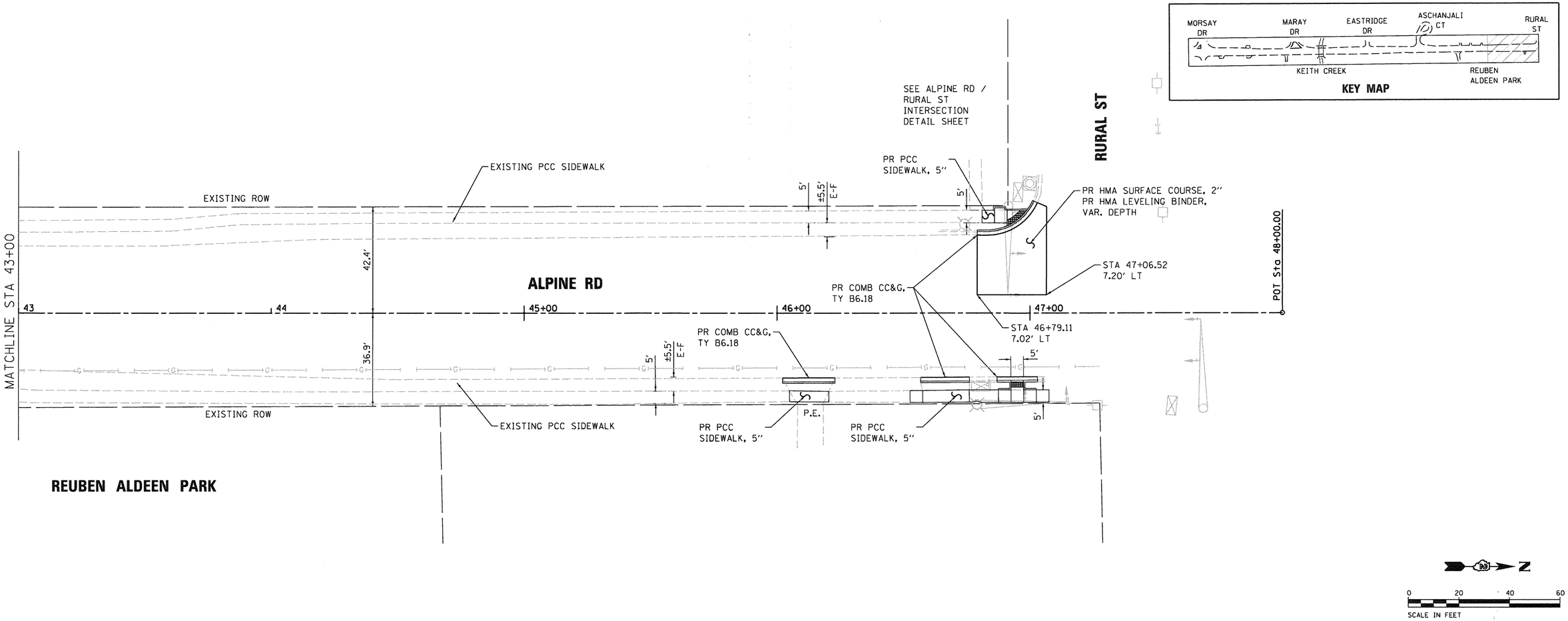
	PLOT DATE = 4/19/2017	DATE - 4/19/17	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE

SCALE: 1' = 20' | SHEET NO. 4 OF 5 SHEETS | STA. 37+00.00 TO STA. 43+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0412	14-00609-00-BR	WINNEBAGO	89	23
		CONTRACT NO. 85656		
		ILLINOIS FED. AID PROJECT		



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DESIGNED	DPA	11/1/16
DRAWN	MWH	4/18/17
REVIEWED	KMA	4/18/17

FILE NAME = 14L0113-sht-plnprf-05.dgn	USER NAME = hussu00411	DESIGNED - DPA	REVISED -
		DRAWN - MWH	REVISED -
	PLOT SCALE = 20.0000 ' / in.	CHECKED - KMA	REVISED -
	PLOT DATE = 4/19/2017	DATE - 4/19/17	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE

SCALE: 1' = 20' | SHEET NO. 5 OF 5 SHEETS | STA. 43+00.00 TO STA. 48+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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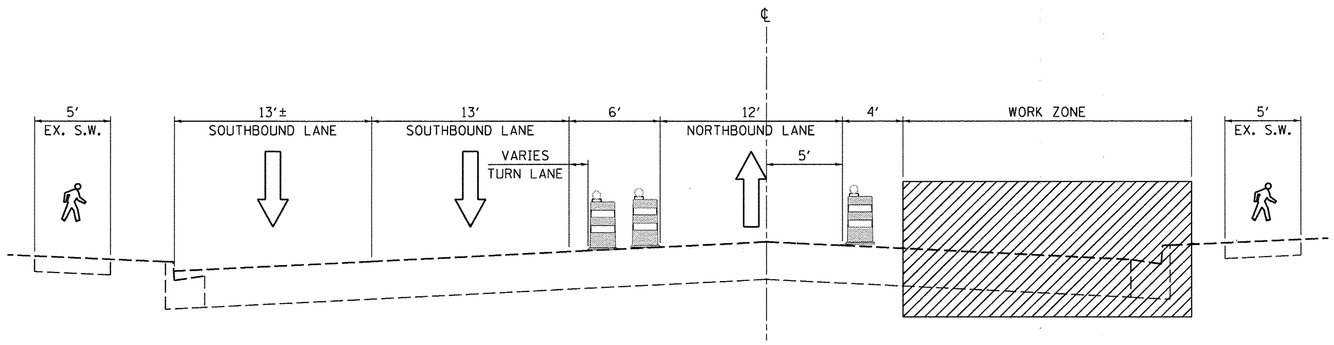
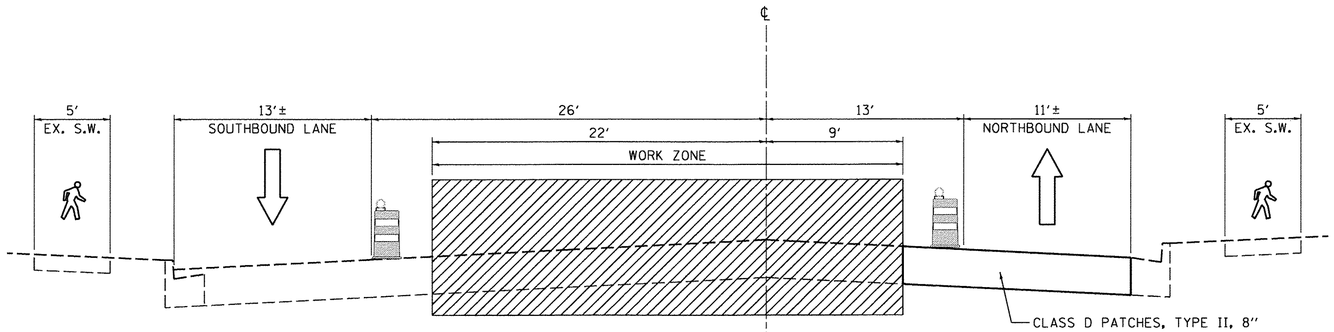
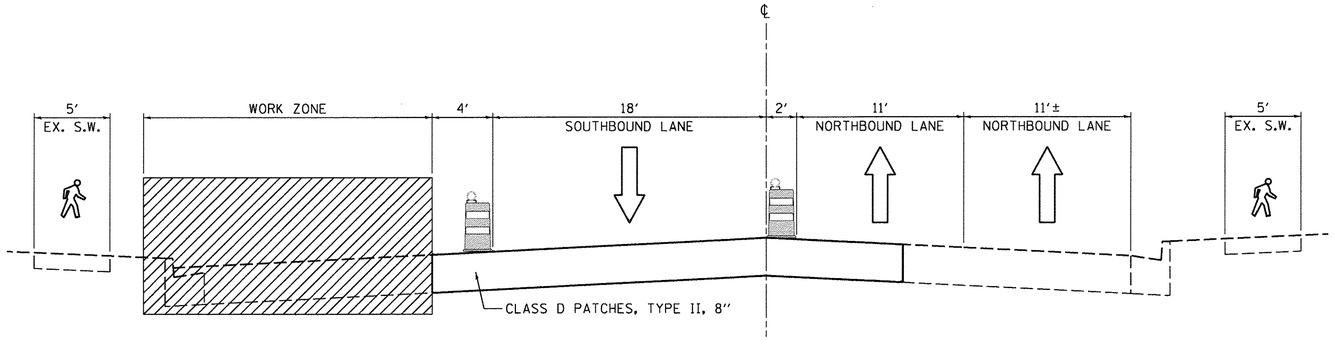
		CONTRACT NO. 85656		
	ILLINOIS FED. AID PROJECT			



ALPINE RD.
STORM SEWER LATERAL REPLACEMENT STAGE S–I
TYPICAL SECTION



ALPINE RD.
STORM SEWER LATERAL REPLACEMENT STAGE S–II
TYPICAL SECTION



ALPINE RD.
STORM SEWER LATERAL REPLACEMENT STAGE S–III
TYPICAL SECTION

STORM SEWER LATERAL STAGING GENERAL NOTES:

1. THE STAGING TYPICAL SECTIONS SHOWN ON THIS SHEET DEPICT THE SUGGESTED STAGING FOR THE STORM SEWER LATERAL REPLACEMENT. STAGING PLANS FOR THIS ACTIVITY ARE NOT PROVIDED IN THESE PLANS. THE STAGING PLAN, INCLUDING, BUT NOT LIMITED TO, SIGNS, FLAGGERS, BARRICADES, LANE REDUCTION TAPERS, AND LANE SHIFT TAPERS SHALL BE IN GENERAL CONFORMANCE WITH APPLICABLE HIGHWAY STANDARDS INCLUDING 701602 AND 701611.

2. THE TRAFFIC CONTROL PLANS SHALL SERVE AS A GUIDE FOR SAFE DIVERSION OF TRAFFIC DURING EXECUTION OF THIS CONTRACT. THE CONTRACTOR MAY REQUEST TO IMPROVE OR MODIFY THE TRAFFIC CONTROL PLANS TO MEET CONSTRUCTION NEEDS BUT NOT AT THE EXPENSE OF PUBLIC SAFETY OR CONVENIENCE. ANY CHANGES TO THE TRAFFIC CONTROL PLANS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL. THE ENGINEER SHALL BE INFORMED AT LEAST 10 DAYS IN ADVANCE OF ANY CHANGE REQUEST TO THE TRAFFIC CONTROL PLANS.

3. TRAFFIC CONDITIONS, ACCIDENTS, AND OTHER UNFORESEEN EMERGENCY CONDITIONS MAY REQUIRE THE ENGINEER TO RESTRICT, MODIFY, OR REMOVE LANE CLOSURES OR CHANNELIZATION SHOWN ON THE PLANS. THE CONTRACTOR SHALL MAKE THE NECESSARY ADJUSTMENTS DIRECTED BY THE ENGINEER WITHOUT DELAY. THE CONTRACTOR SHALL RESPOND WITHIN 30 MINUTES FROM THE TIME OF NOTIFICATIONS BY THE ENGINEER FOR CORRECTION, IMPROVEMENT, OR MODIFICATION OF THE MAINTENANCE OF TRAFFIC CONTROL DEVICES.

4. CHANGEABLE MESSAGE SIGNS SHALL BE PROVIDED TWO WEEKS IN ADVANCE OF THE START OF WORK, STAGE SWITCHES, AND MAJOR CHANGES IN TRAFFIC PATTERNS. CHANGEABLE MESSAGE SIGNS SHALL BE PAID AT THE CONTRACT UNIT PRICE PER CALENDAR MONTH.

STORM SEWER LATERAL CONSTRUCTION SEQUENCE NOTES

STAGE 1 CONSTRUCTION ACTIVITY

CONSTRUCT EASTERN THIRD OF THE LATERAL STORM SEWER AND PATCH THE PAVEMENT.

STAGE 1 TRAFFIC PATTERN

NORTHBOUND TRAFFIC REDUCED TO ONE LANE (SOUTH OF MORSAY DRIVE) AND SHIFTED PARTIALLY INTO THE SOUTHBOUND LEFT TURN LANE APPROACHING MORSAY DRIVE. BOTH SOUTHBOUND THROUGH LANES REMAIN OPEN. THE SOUTHBOUND LEFT TURN LANE AND ITS TAPER IS TO BE SHORTENED.

STAGE 2 CONSTRUCTION ACTIVITY

CONSTRUCT MIDDLE THIRD OF THE LATERAL STORM SEWER AND PATCH THE PAVEMENT.

STAGE 2 TRAFFIC PATTERN

REDUCE BOTH NORTHBOUND AND SOUTHBOUND TRAFFIC FROM TWO LANES TO ONE LANE, BOTH UTILIZING THEIR RESPECTIVE OUTSIDE LANE. NORTHBOUND LANE REDUCTION WILL OCCUR SOUTH OF MORSAY DRIVE. ALL SOUTHBOUND LANES REMAIN OPEN AT MORSAY DRIVE.

STAGE 3 CONSTRUCTION ACTIVITY

CONSTRUCT WESTERN THIRD OF THE LATERAL STORM SEWER AND PATCH THE PAVEMENT.

STAGE 3 TRAFFIC PATTERN

REDUCE SOUTHBOUND TRAFFIC TO ONE LANE UTILIZING THE INSIDE SOUTHBOUND LANE AND PORTIONS OF THE TURN BAY APPROACH TAPER.

STORM SEWER LATERAL STAGING TYPICAL SECTION NOTES:

1. THESE TYPICAL SECTIONS DO NOT DEPICT THE LANE REDUCTIONS, LANE SHIFTS TAPERS, TEMPORARY PAVEMENT TAPER, TURN LANE, OR OTHER FEATURES BEYOND THE LIMITS OF THE WORK ZONES.

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DRAWN	MWH	4/18/17
REVIEWED	KMA	4/18/17

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		DRAWN - MWH	REVISED -
	PLOT SCALE = 5.0000 ′ / in.	CHECKED - KMA	REVISED -
	PLOT DATE = 4/19/2017	DATE - 4/19/17	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STAGING TYPICAL SECTIONS

SCALE: 1″ = 20′ | SHEET NO. OF SHEETS | STA. | TO STA.

MOT-01

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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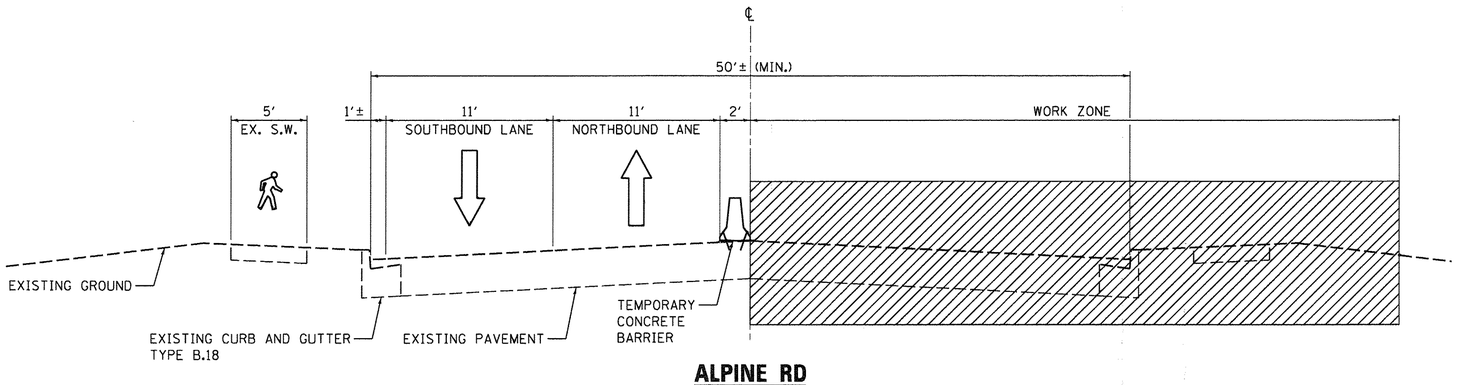
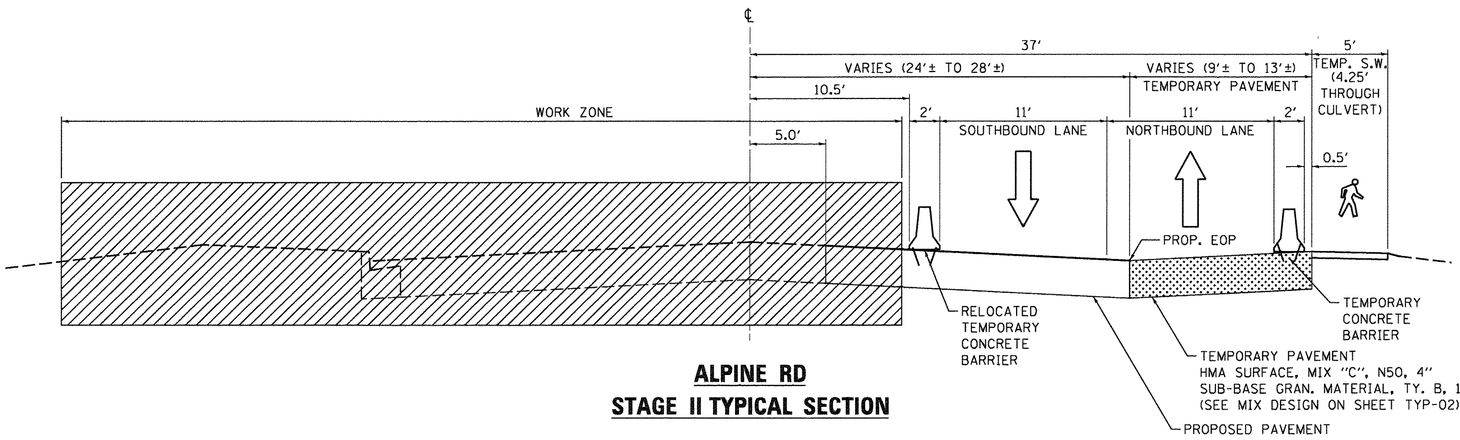
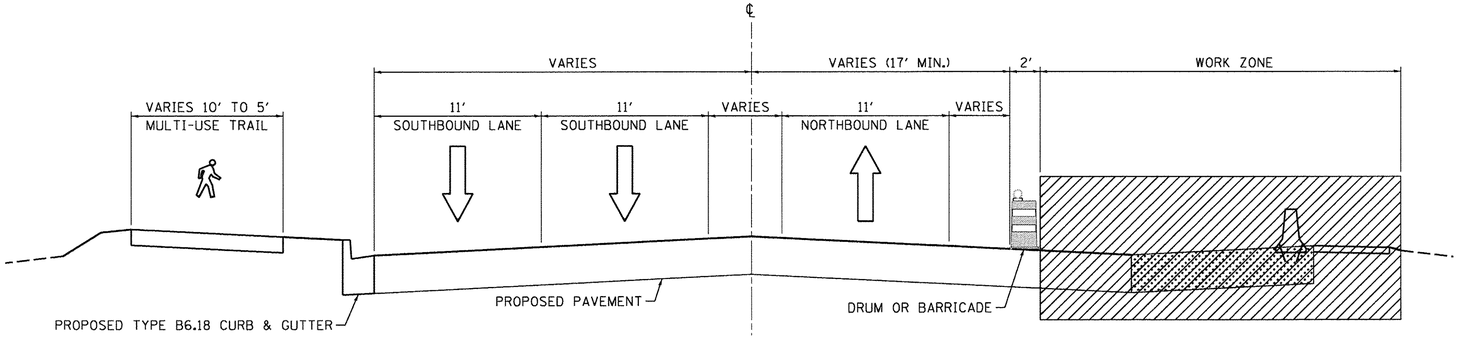
		CONTRACT NO. 85656		
	ILLINOIS	FED. AID PROJECT		



ALPINE RD
STAGE I TYPICAL SECTION



ALPINE RD
STAGE II TYPICAL SECTION



ALPINE RD
STAGE III TYPICAL SECTION

STAGING GENERAL NOTES:

1. THE TRAFFIC CONTROL PLANS SHALL SERVE AS A GUIDE FOR SAFE DIVERSION OF TRAFFIC DURING EXECUTION OF THIS CONTRACT. THE CONTRACTOR MAY REQUEST TO IMPROVE OR MODIFY THE TRAFFIC CONTROL PLANS TO MEET CONSTRUCTION NEEDS BUT NOT AT THE EXPENSE OF PUBLIC SAFETY OR CONVENIENCE. ANY CHANGES TO THE TRAFFIC CONTROL PLANS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL. THE ENGINEER SHALL BE INFORMED AT LEAST 10 DAYS IN ADVANCE OF ANY CHANGE REQUEST TO THE TRAFFIC CONTROL PLANS.

2. TRAFFIC CONDITIONS, ACCIDENTS, AND OTHER UNFORESEEN EMERGENCY CONDITIONS MAY REQUIRE THE ENGINEER TO RESTRICT, MODIFY, OR REMOVE LANE CLOSURES OR CHANNELIZATION SHOWN ON THE PLANS. THE CONTRACTOR SHALL MAKE THE NECESSARY ADJUSTMENTS DIRECTED BY THE ENGINEER WITHOUT DELAY. THE CONTRACTOR SHALL RESPOND WITHIN 30 MINUTES FROM THE TIME OF NOTIFICATIONS BY THE ENGINEER FOR CORRECTION, IMPROVEMENT, OR MODIFICATION OF THE MAINTENANCE OF TRAFFIC CONTROL DEVICES.

3. CHANGEABLE MESSAGE SIGNS SHALL BE PROVIDED TWO WEEKS IN ADVANCE OF THE START OF WORK, STAGE SWITCHES, AND MAJOR CHANGES IN TRAFFIC PATTERNS. CHANGEABLE MESSAGE SIGNS SHALL BE PAID AT THE CONTRACT UNIT PRICE PER CALENDAR MONTH.

4. THE TEMPORARY CONCRETE BARRIER SHALL BE ANCHORED WITH 6 ANCHOR PINS AS SPECIFIED IN ARTICLE 704.04. AND IDOT'S "SAFETY ENGINEERING POLICY MEMORANDUM 4-15" (MARCH 1, 2015 REVISION). ALL ANCHORING AND PINNING HOLES SHALL BE CORE DRILLED.

5. SEE SPECIAL PROVISIONS FOR TEMPORARY SIDEWALK REQUIREMENTS.

6. LANE WIDTHS SHOWN INCLUDE 1' OUTSIDE SHOULDER.

CONSTRUCTION SEQUENCE NOTES

PRE-STAGE CONSTRUCTION ACTIVITY

INSTALL TRAFFIC SIGNAL MODIFICATIONS AND CONSTRUCT ADA RAMPS AT MORSAY DRIVE AND RURAL STREET SO THAT PEDESTRIANS CAN SAFELY CROSS TO THE SIDE OF ALPINE ROAD THAT WILL REMAIN OPEN TO PEDESTRIANS.

STAGE 1 TRAFFIC PATTERN

SINGLE LANE AND SIDEWALK CLOSURES UTILIZING APPLICABLE HIGHWAY STANDARDS.

STAGE 1 CONSTRUCTION ACTIVITY

PLACE EROSION CONTROL ELEMENTS, REMOVE EAST SIDE OF EXISTING CULVERT, CONSTRUCT EAST SIDE OF PROPOSED CULVERT, CONSTRUCT PAVEMENT PATCH (INCLUDING SURFACE COURSE), AND CONSTRUCT TEMPORARY PAVEMENT AND SIDEWALK.

STAGE 1 TRAFFIC PATTERN

REDUCE BOTH NORTHBOUND AND SOUTHBOUND TRAFFIC FROM TWO LANES TO ONE LANE AND SHIFT ALL TRAFFIC TO THE TWO SOUTHBOUND LANES.

STAGE 2 CONSTRUCTION ACTIVITY

REMOVE WEST SIDE OF EXISTING CULVERT, CONSTRUCT WEST SIDE OF PROPOSED CULVERT, CONSTRUCT PAVEMENT PATCH, CONSTRUCT CURB AND GUTTER ON WEST SIDE, AND CONSTRUCT WEST SIDE CONCRETE PATHWAY.

STAGE 2 TRAFFIC PATTERN

REDUCE BOTH NORTHBOUND AND SOUTHBOUND TRAFFIC FROM TWO LANES TO ONE LANE AND SHIFT ALL TRAFFIC TO THE NORTHBOUND PAVEMENT AND TEMPORARY PAVEMENT.

STAGE 3 CONSTRUCTION ACTIVITY

REMOVE TEMPORARY PAVEMENT AND SIDEWALK, CONSTRUCT CURB AND GUTTER ON EAST SIDE, AND CONSTRUCT EAST SIDE CONCRETE PATHWAY.

POST STAGE 3 AND OTHER CONSTRUCTION ACTIVITY TRAFFIC PATTERN

UTILIZE VARIOUS HIGHWAY STANDARDS.

POST STAGE 3 AND OTHER CONSTRUCTION ACTIVITY TRAFFIC PATTERN

MILL ASPHALT SURFACE THROUGH THE LIMITS OF THE MAINTENANCE OF TRAFFIC, PLACE HOT-MIX ASPHALT SURFACE COURSE, REMOVE EROSION CONTROL ELEMENTS, PLANT TREES, CONSTRUCT REMAINING SIDEWALK RAMPS, AND PLACE FINAL PAVEMENT MARKINGS.

STAGING TYPICAL SECTION NOTES:

1. THESE TYPICAL SECTIONS DO NOT DEPICT THE LANE REDUCTIONS, LANE SHIFTS TAPERS, TEMPORARY PAVEMENT TAPER, TURN LANE, OR OTHER FEATURES BEYOND THE LIMITS OF THE WORK ZONES.

2. REFER TO STRUCTURAL DRAWINGS FOR MAINTENACE OF TRAFFIC SECTIONS THROUGH THE CULVERT.

3. LANE WIDTHS SHOWN INCLUDE 1-FOOT SHOULDER BETWEEN THE PAVEMENT MARKING AND DRUM/TEMPORARY CONCRETE BARRIER.

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MOT-02

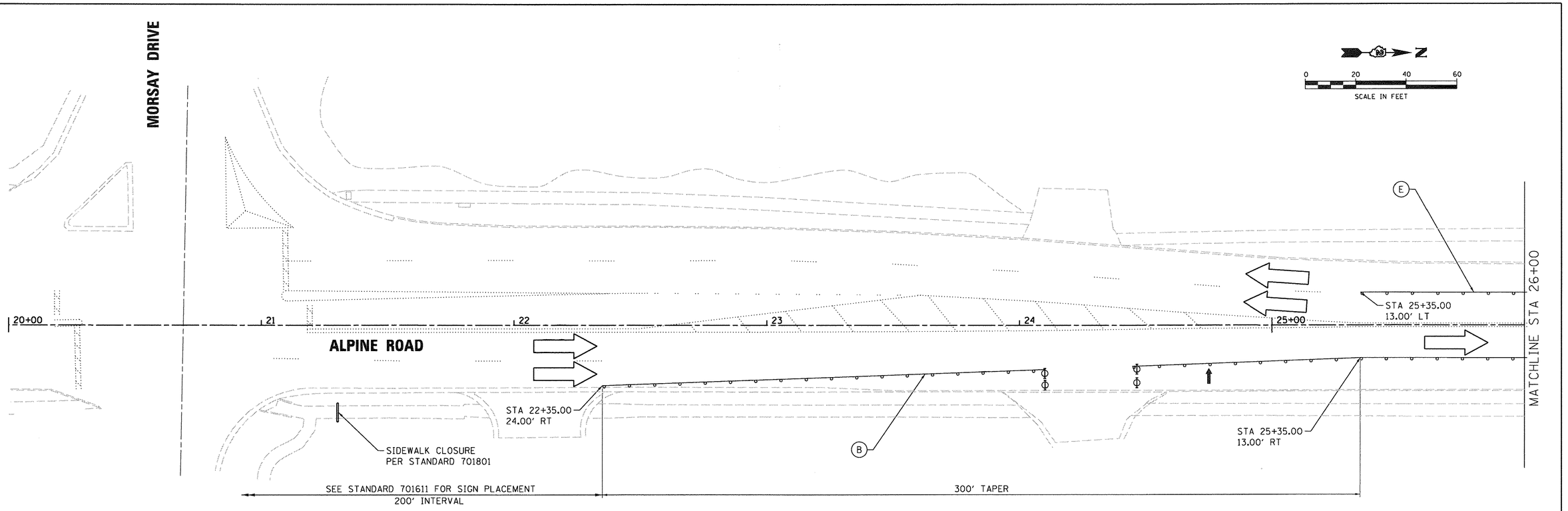
FILE NAME = 14L0113-sht-mot-typ-02.dgn	USER NAME = hussu00411	DESIGNED - DPA	REVISED -
		DRAWN - MWH	REVISED -
	PLOT SCALE = 5.0000 ' / in.	CHECKED - KMA	REVISED -
	PLOT DATE = 4/19/2017	DATE - 4/19/17	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STAGING TYPICAL SECTIONS

SCALE: 1" = 20' | SHEET NO. OF SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0412	14-00609-00-BR	WINNEBAGO	89	26
		CONTRACT NO. 85656		
	ILLINOIS FED. AID PROJECT			



STAGING LEGEND

- (A) TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS (70300210)
- (B) TEMPORARY PAVEMENT MARKING - LINE 4" (70300220) (SOLID WHITE)
- (C) TEMPORARY PAVEMENT MARKING - LINE 4" (70300220) (SKIP-DASH, WHITE, 2' DASH, 2' SKIP)
- (D) TEMPORARY PAVEMENT MARKING - LINE 4" (70300220) (DOUBLE SOLID YELLOW, 11" C-C SPACING) WITH TUBULAR MARKERS
- (E) TEMPORARY PAVEMENT MARKING - LINE 4" (70300220) (SOLID YELLOW)
- (F) TEMPORARY PAVEMENT MARKING - LINE 4" (70300220) (SKIP DASH, WHITE, 10' DASH, 30' SKIP)
- (G) TEMPORARY PAVEMENT MARKING - LINE 4" (70300220) (DOUBLE SOLID YELLOW, 11" C-C SPACING)

TEMPORARY PAVEMENT

WORK ZONE

EXISTING STRIPING OR STRIPING PLACED IN PREVIOUS STAGING

DIRECTION OF TRAFFIC

DRUM WITH STEADY BURN BIDIRECTIONAL LIGHT

ARROW BOARD

CONCRETE BARRIER

TYPE 3 BARRICADE

TUBULAR MARKERS

BARRICADE OR DRUM WITH FLASHING LIGHT

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MOT-03

FILE NAME = 14L0113-sht-mot1-01.dgn	USER NAME = hussu00411	DESIGNED - DPA	REVISED -
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	PLOT DATE = 4/19/2017	DATE - 4/19/17	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STAGING PLAN – STAGE 1

SCALE: 1" = 20' | SHEET NO. OF SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0412	14-00609-00-BR	WINNEBAGO	89	27
		CONTRACT NO. 85656		
	ILLINOIS FED. AID PROJECT			

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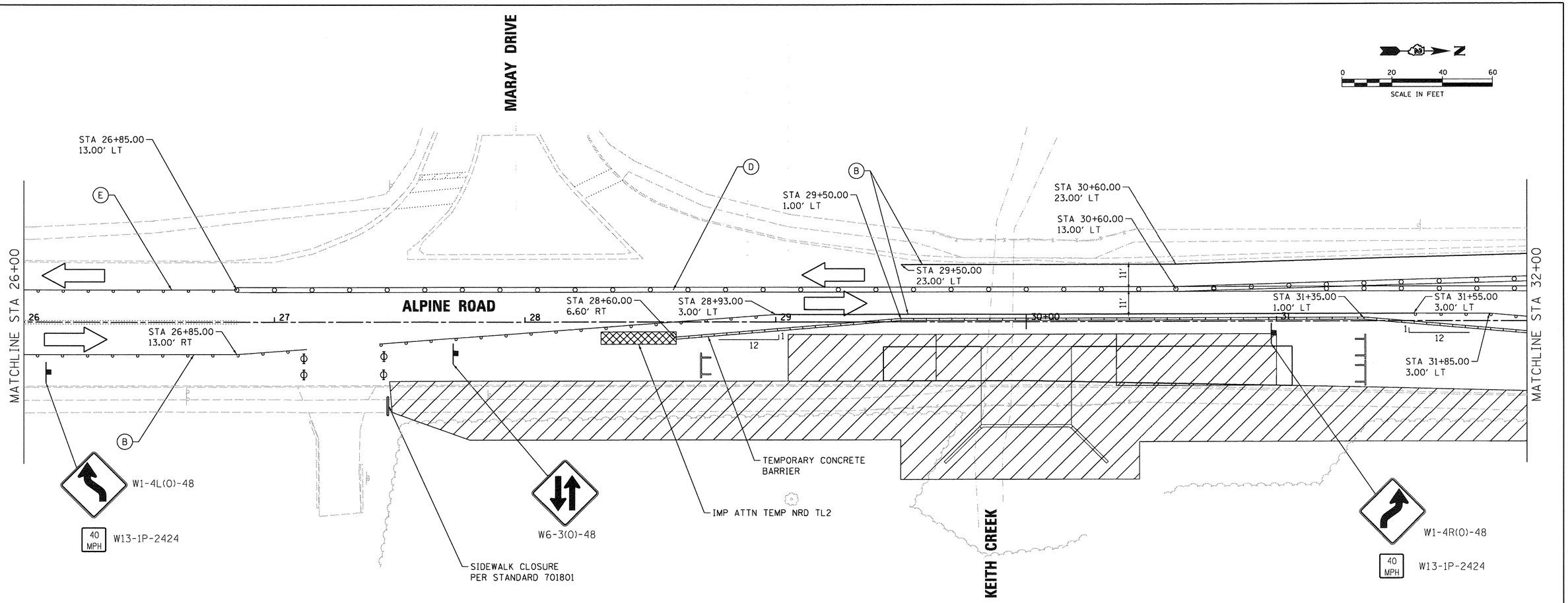

STAGING LEGEND

- (A) TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS (70300210)
- (B) TEMPORARY PAVEMENT MARKING - LINE 4" (70300220) (SOLID WHITE)
- (C) TEMPORARY PAVEMENT MARKING - LINE 4" (70300220) (SKIP-DASH, WHITE, 2' DASH, 2' SKIP)
- (D) TEMPORARY PAVEMENT MARKING - LINE 4" (70300220) (DOUBLE SOLID YELLOW, 11" C-C SPACING) WITH TUBULAR MARKERS
- (E) TEMPORARY PAVEMENT MARKING - LINE 4" (70300220) (SOLID YELLOW)
- (F) TEMPORARY PAVEMENT MARKING - LINE 4" (70300220) (SKIP DASH, WHITE, 10' DASH, 30' SKIP)
- (G) TEMPORARY PAVEMENT MARKING - LINE 4" (70300220) (DOUBLE SOLID YELLOW, 11" C-C SPACING)

- TEMPORARY PAVEMENT
- WORK ZONE
- EXISTING STRIPING OR STRIPING PLACED IN PREVIOUS STAGING
- DIRECTION OF TRAFFIC
- DRUM WITH STEADY BURN BIDIRECTIONAL LIGHT
- ARROW BOARD
- CONCRETE BARRIER
- TYPE 3 BARRICADE
- TUBULAR MARKERS
- BARRICADE OR DRUM WITH FLASHING LIGHT

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	PLOT DATE = 4/19/2017	DATE - 4/19/17	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STAGING PLAN – STAGE 1

SCALE: 1" = 20' | SHEET NO. OF SHEETS | STA. | TO STA.

MOT-04

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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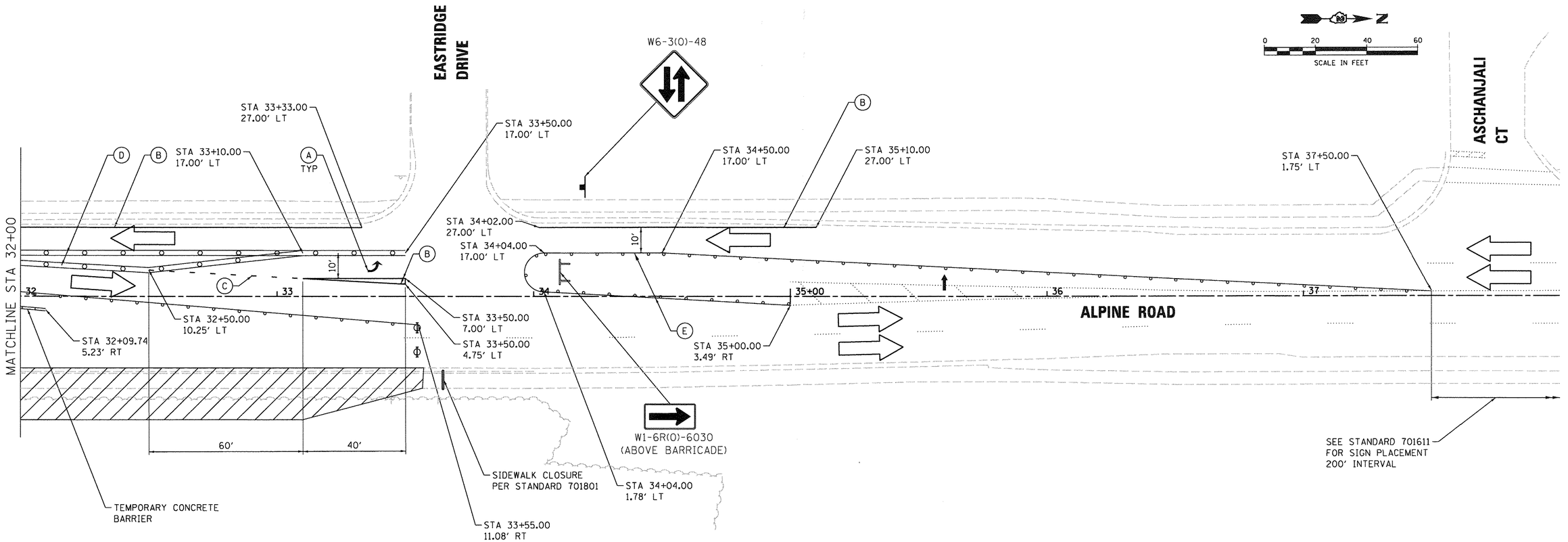
		CONTRACT NO. 85656		
		ILLINOIS FED. AID PROJECT		



STAGING LEGEND

- (A) TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS (70300210)
- (B) TEMPORARY PAVEMENT MARKING - LINE 4" (70300220) (SOLID WHITE)
- (C) TEMPORARY PAVEMENT MARKING - LINE 4" (70300220) (SKIP-DASH, WHITE, 2' DASH, 2' SKIP)
- (D) TEMPORARY PAVEMENT MARKING - LINE 4" (70300220) (DOUBLE SOLID YELLOW, 11" C-C SPACING) WITH TUBULAR MARKERS
- (E) TEMPORARY PAVEMENT MARKING - LINE 4" (70300220) (SOLID YELLOW)
- (F) TEMPORARY PAVEMENT MARKING - LINE 4" (70300220) (SKIP DASH, WHITE, 10' DASH, 30' SKIP)
- (G) TEMPORARY PAVEMENT MARKING - LINE 4" (70300220) (DOUBLE SOLID YELLOW, 11" C-C SPACING)

TEMPORARY PAVEMENT

WORK ZONE

EXISTING STRIPING OR STRIPING PLACED IN PREVIOUS STAGING

DIRECTION OF TRAFFIC

DRUM WITH STEADY BURN BIDIRECTIONAL LIGHT

ARROW BOARD

CONCRETE BARRIER

TYPE 3 BARRICADE

TUBULAR MARKERS

BARRICADE OR DRUM WITH FLASHING LIGHT

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MOT-05

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		DRAWN - MWH	REVISED -
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	PLOT DATE = 4/19/2017	DATE - 4/19/17	REVISED -

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STAGING PLAN – STAGE 1

SCALE: 1" = 20' | SHEET NO. OF SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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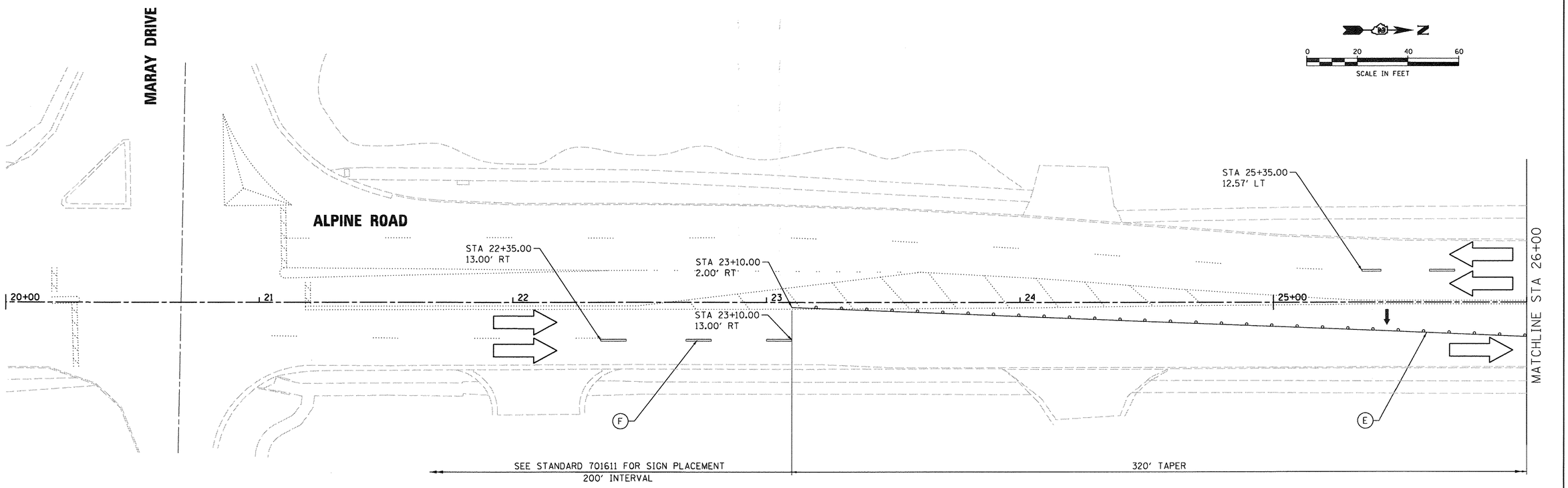

STAGING LEGEND

- (A) TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS (70300210)
- (B) TEMPORARY PAVEMENT MARKING - LINE 4" (70300220) (SOLID WHITE)
- (C) TEMPORARY PAVEMENT MARKING - LINE 4" (70300220) (SKIP-DASH, WHITE, 2' DASH, 2' SKIP)
- (D) TEMPORARY PAVEMENT MARKING - LINE 4" (70300220) (DOUBLE SOLID YELLOW, 11" C-C SPACING) WITH TUBULAR MARKERS
- (E) TEMPORARY PAVEMENT MARKING - LINE 4" (70300220) (SOLID YELLOW)
- (F) TEMPORARY PAVEMENT MARKING - LINE 4" (70300220) (SKIP DASH, WHITE, 10' DASH, 30' SKIP)
- (G) TEMPORARY PAVEMENT MARKING - LINE 4" (70300220) (DOUBLE SOLID YELLOW, 11" C-C SPACING)

TEMPORARY PAVEMENT

WORK ZONE

EXISTING STRIPING OR STRIPING PLACED IN PREVIOUS STAGING

DIRECTION OF TRAFFIC

DRUM WITH STEADY BURN BIDIRECTIONAL LIGHT

ARROW BOARD

CONCRETE BARRIER

TYPE 3 BARRICADE

TUBULAR MARKERS

BARRICADE OR DRUM WITH FLASHING LIGHT

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MOT-06

FILE NAME = 14L0113-sht-mot2-01.dgn	USER NAME = hussu00411	DESIGNED - DPA	REVISED -
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	PLOT DATE = 4/19/2017	DATE - 4/19/17	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STAGING PLAN – STAGE 2

SCALE: 1" = 20' | SHEET NO. OF SHEETS | STA. | TO STA.

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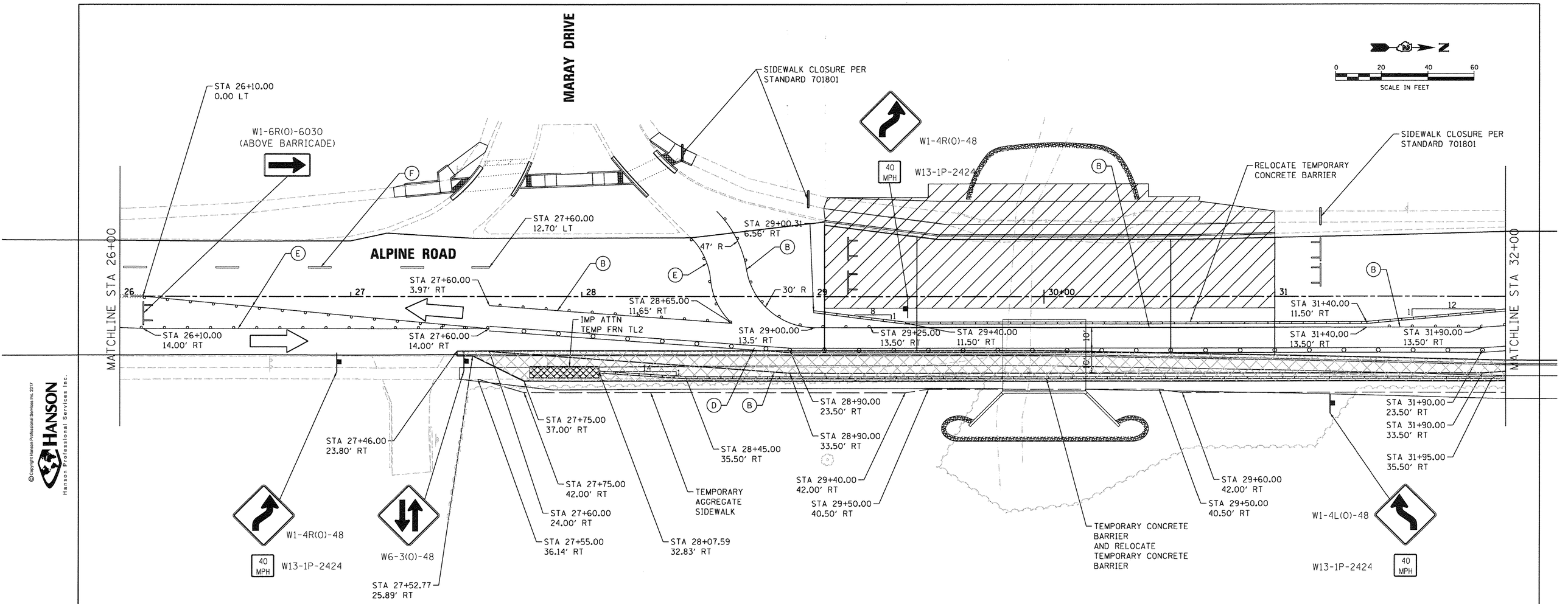
	ILLINOIS	FED. AID PROJECT		



STAGING LEGEND

- (A) TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS (70300210)
- (B) TEMPORARY PAVEMENT MARKING - LINE 4" (70300220) (SOLID WHITE)
- (C) TEMPORARY PAVEMENT MARKING - LINE 4" (70300220) (SKIP-DASH, WHITE, 2' DASH, 2' SKIP)
- (D) TEMPORARY PAVEMENT MARKING - LINE 4" (70300220) (DOUBLE SOLID YELLOW, 11" C-C SPACING) WITH TUBULAR MARKERS
- (E) TEMPORARY PAVEMENT MARKING - LINE 4" (70300220) (SOLID YELLOW)
- (F) TEMPORARY PAVEMENT MARKING - LINE 4" (70300220) (SKIP DASH, WHITE, 10' DASH, 30' SKIP)
- (G) TEMPORARY PAVEMENT MARKING - LINE 4" (70300220) (DOUBLE SOLID YELLOW, 11" C-C SPACING)

- TEMPORARY PAVEMENT
- WORK ZONE
- EXISTING STRIPING OR STRIPING PLACED IN PREVIOUS STAGING
- DIRECTION OF TRAFFIC
- DRUM WITH STEADY BURN BIDIRECTIONAL LIGHT
- ARROW BOARD
- CONCRETE BARRIER
- TYPE 3 BARRICADE
- TUBULAR MARKERS
- BARRICADE OR DRUM WITH FLASHING LIGHT

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DESIGNED	DPA	11/11/16
DRAWN	MWH	4/18/17
REVIEWED	KMA	4/18/17

FILE NAME = 14L0113-sht-mot2-02.dgn	USER NAME = hussu00411	DESIGNED - DPA	REVISED -
		DRAWN - MWH	REVISED -
	PLOT SCALE = 20.0000 ' / in.	CHECKED - KMA	REVISED -
	PLOT DATE = 4/19/2017	DATE - 4/19/17	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STAGING PLAN – STAGE 2

SCALE: 1" = 20' | SHEET NO. OF SHEETS | STA. | TO STA.

MOT-07

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0412	14-00609-00-BR	WINNEBAGO	89	31
		CONTRACT NO. 85656		
	ILLINOIS	FED. AID PROJECT		

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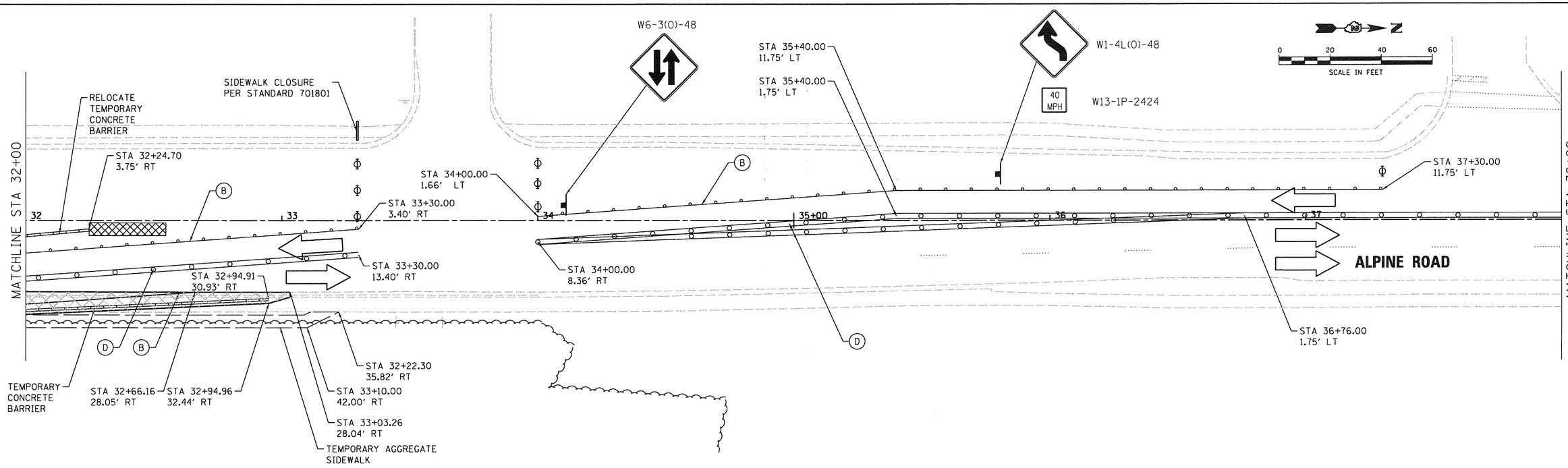

STAGING LEGEND

- (A) TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS (70300210)
- (B) TEMPORARY PAVEMENT MARKING - LINE 4" (70300220) (SOLID WHITE)
- (C) TEMPORARY PAVEMENT MARKING - LINE 4" (70300220) (SKIP-DASH, WHITE, 2' DASH, 2' SKIP)
- (D) TEMPORARY PAVEMENT MARKING - LINE 4" (70300220) (DOUBLE SOLID YELLOW, 11" C-C SPACING) WITH TUBULAR MARKERS
- (E) TEMPORARY PAVEMENT MARKING - LINE 4" (70300220) (SOLID YELLOW)
- (F) TEMPORARY PAVEMENT MARKING - LINE 4" (70300220) (SKIP DASH, WHITE, 10' DASH, 30' SKIP)
- (G) TEMPORARY PAVEMENT MARKING - LINE 4" (70300220) (DOUBLE SOLID YELLOW, 11" C-C SPACING)

- TEMPORARY PAVEMENT
- WORK ZONE
- EXISTING STRIPING OR STRIPING PLACED IN PREVIOUS STAGING
- DIRECTION OF TRAFFIC
- DRUM WITH STEADY BURN BIDIRECTIONAL LIGHT
- ARROW BOARD
- CONCRETE BARRIER
- TYPE 3 BARRICADE
- TUBULAR MARKERS
- BARRICADE OR DRUM WITH FLASHING LIGHT

DESIGNED	DPA	11/1/16
DRAWN	MWH	4/18/17
REVIEWED	KMA	4/18/17

FILE NAME = 14L0113-sht-mot2-03.dgn	USER NAME = hussu00411	DESIGNED - DPA	REVISED -
		DRAWN - MWH	REVISED -
	PLOT SCALE = 20.0000 ' / in.	CHECKED - KMA	REVISED -
	PLOT DATE = 4/19/2017	DATE - 4/19/17	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STAGING PLAN – STAGE 2

SCALE: 1" = 20' | SHEET NO. OF SHEETS | STA. TO STA.

MOT-08

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0412	14-00609-00-BR	WINNEBAGO	89	32
		CONTRACT NO. 85656		
	ILLINOIS FED. AID PROJECT			

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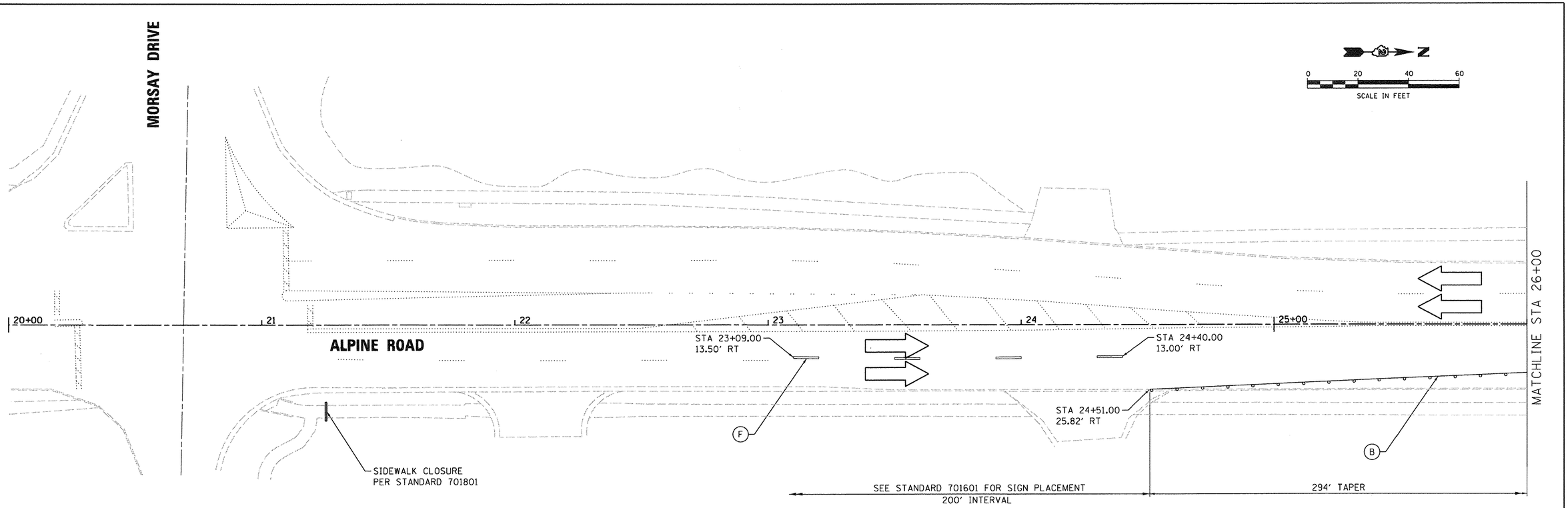

STAGING LEGEND

- (A) TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS (70300210)
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TEMPORARY PAVEMENT

WORK ZONE

EXISTING STRIPING OR STRIPING PLACED IN PREVIOUS STAGING

DIRECTION OF TRAFFIC

DRUM WITH STEADY BURN BIDIRECTIONAL LIGHT

ARROW BOARD

CONCRETE BARRIER

TYPE 3 BARRICADE

TUBULAR MARKERS

BARRICADE OR DRUM WITH FLASHING LIGHT

DESIGNED	DPA	11/1/16
DRAWN	MWH	4/18/17
REVIEWED	KMA	4/18/17

MOT-09

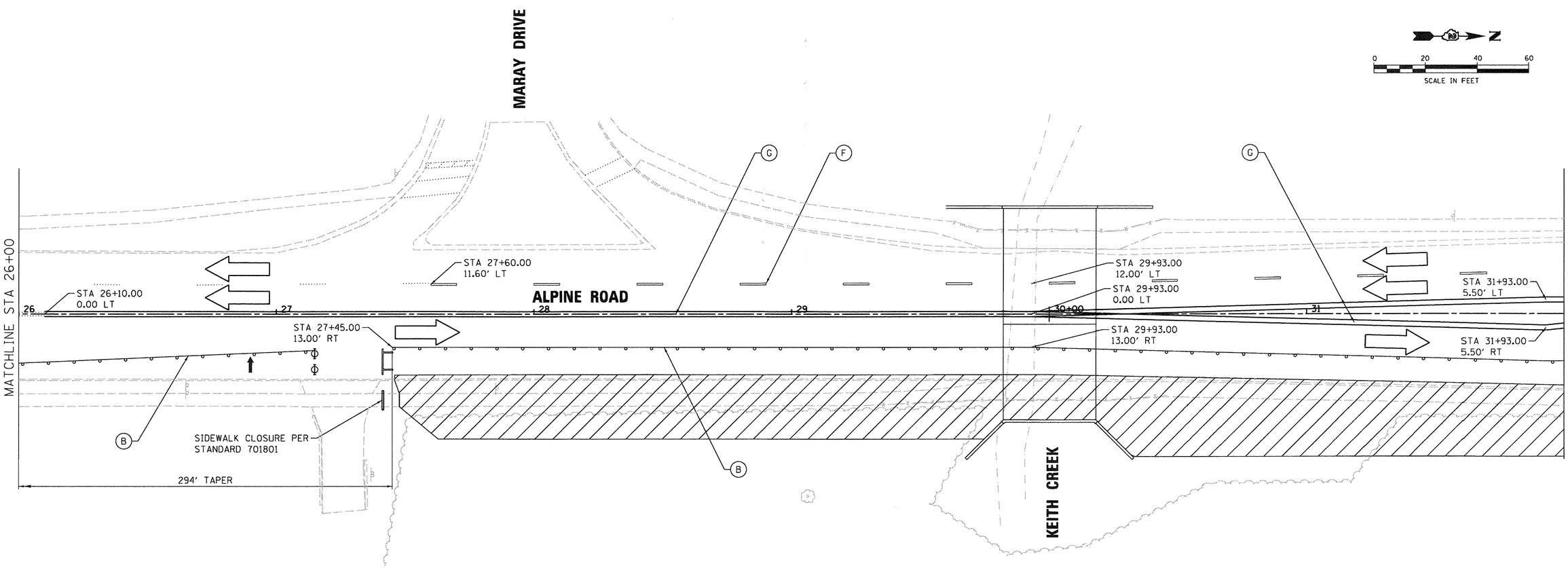
FILE NAME = 14L0113-sht-mot3-01.dgn	USER NAME = hussu00411	DESIGNED - DPA	REVISED -
		DRAWN - MWH	REVISED -
	PLOT SCALE = 20.0000 ' / in.	CHECKED - KMA	REVISED -
	PLOT DATE = 4/19/2017	DATE - 4/19/17	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STAGING PLAN – STAGE 3

SCALE: 1" = 20' | SHEET NO. OF SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0412	14-00609-00-BR	WINNEBAGO	89	33
		CONTRACT NO. 85656		
	ILLINOIS	FED. AID PROJECT		



STAGING LEGEND

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TEMPORARY PAVEMENT

WORK ZONE

EXISTING STRIPING OR STRIPING PLACED IN PREVIOUS STAGING

DIRECTION OF TRAFFIC

DRUM WITH STEADY BURN BIDIRECTIONAL LIGHT

ARROW BOARD

CONCRETE BARRIER

TYPE 3 BARRICADE

TUBULAR MARKERS

BARRICADE OR DRUM WITH FLASHING LIGHT

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DESIGNED	DPA	11/1/16
DRAWN	MWH	4/18/17
REVIEWED	KMA	4/18/17

FILE NAME = 14L0113-sht-mot3-02.dgn	USER NAME = hussu00411	DESIGNED - DPA	REVISED -
		DRAWN - MWH	REVISED -
	PLOT SCALE = 20.0000 ' / in.	CHECKED - KMA	REVISED -
	PLOT DATE = 4/19/2017	DATE - 4/19/17	REVISED -

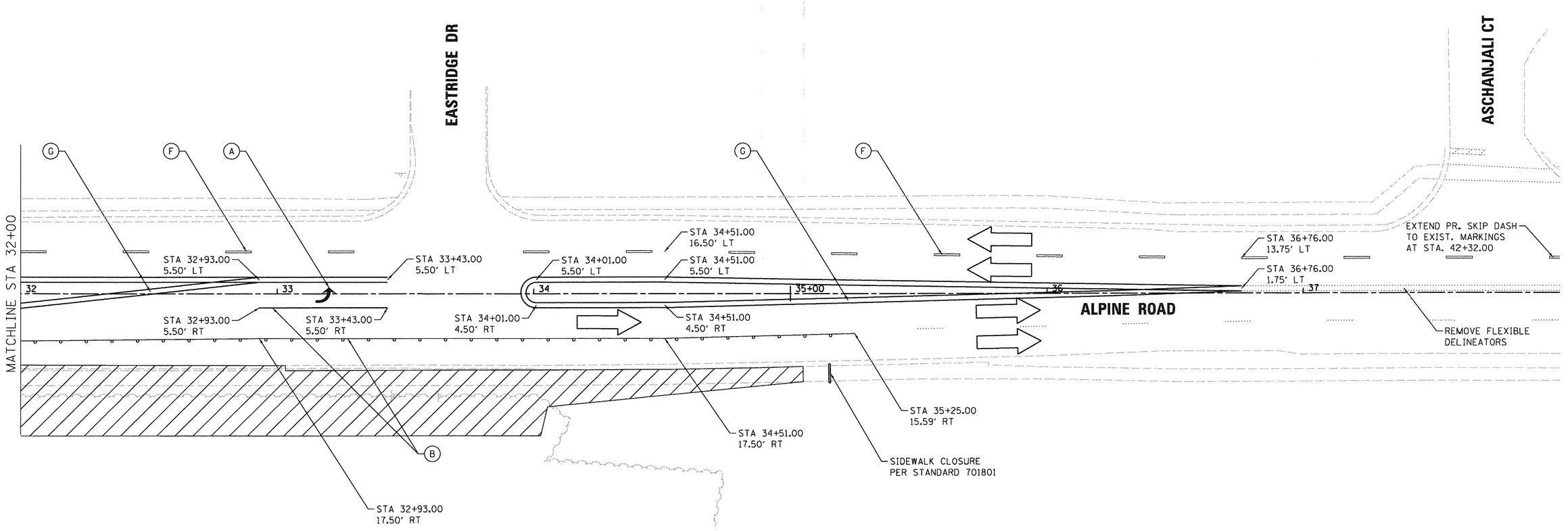
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STAGING PLAN – STAGE 3

SCALE: 1" = 20' | SHEET NO. OF SHEETS | STA. | TO STA.

MOT-10

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0412	14-00609-00-BR	WINNEBAGO	89	34
		CONTRACT NO. 85656		
	ILLINOIS FED. AID PROJECT			



STAGING LEGEND

- (A) TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS (70300210)
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- TEMPORARY PAVEMENT
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- TUBULAR MARKERS
- BARRICADE OR DRUM WITH FLASHING LIGHT

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DESIGNED	DPA	11/11/16
DRAWN	MWH	4/18/17
REVIEWED	KMA	4/18/17

MOT-11

FILE NAME = 14L0113-sht-mot3-03.dgn	USER NAME = hussu00411	DESIGNED - DPA	REVISED -
		DRAWN - MWH	REVISED -
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	PLOT DATE = 4/19/2017	DATE - 4/19/17	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STAGING PLAN – STAGE 3

SCALE: 1" = 20' | SHEET NO. OF SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0412	14-00609-00-BR	WINNEBAGO	89	35
		CONTRACT NO. 85656		
	ILLINOIS FED. AID PROJECT			

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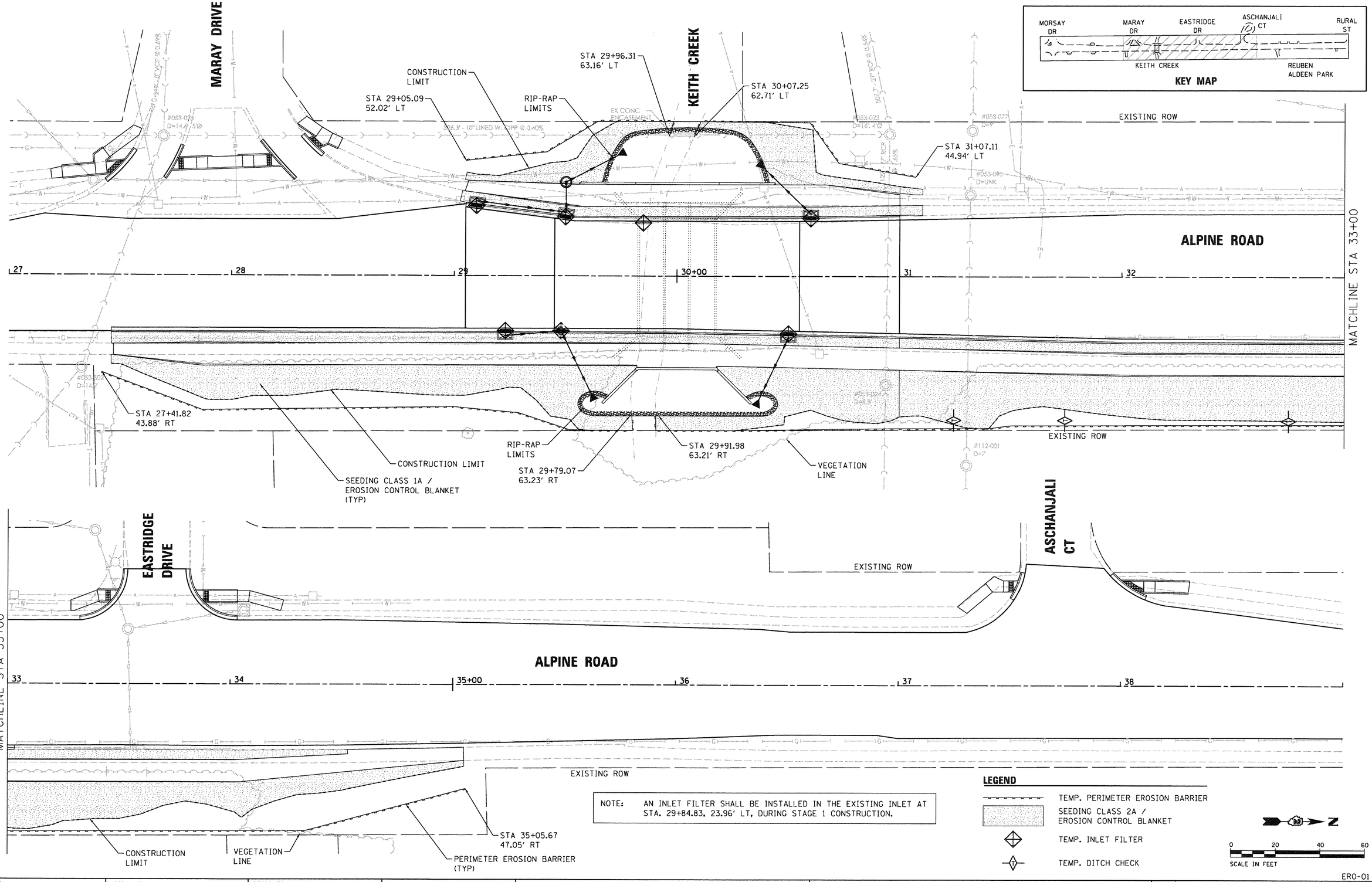

NOTE: AN INLET FILTER SHALL BE INSTALLED IN THE EXISTING INLET AT STA. 29+84.83, 23.96' LT, DURING STAGE 1 CONSTRUCTION.

LEGEND

- TEMP. PERIMETER EROSION BARRIER
- SEEDING CLASS 2A / EROSION CONTROL BLANKET
- TEMP. INLET FILTER
- TEMP. DITCH CHECK

SCALE IN FEET: 0 20 40 60

ERO-01

DESIGNED	DPA	12/22/16
DRAWN	MWH	4/18/17
REVIEWED	KMA	4/18/17

FILE NAME = 14L0113-sht-ero-01.dgn	USER NAME = hussu00411	DESIGNED - DPA	REVISED -
		DRAWN - MWH	REVISED -
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	PLOT DATE = 4/19/2017	DATE - 4/19/17	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

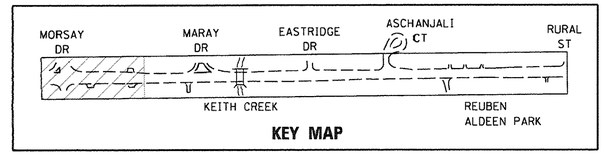
EROSION CONTROL PLAN AND LANDSCAPING PLAN

SCALE: 1" = 20' | SHEET NO. OF SHEETS | STA. | TO STA.

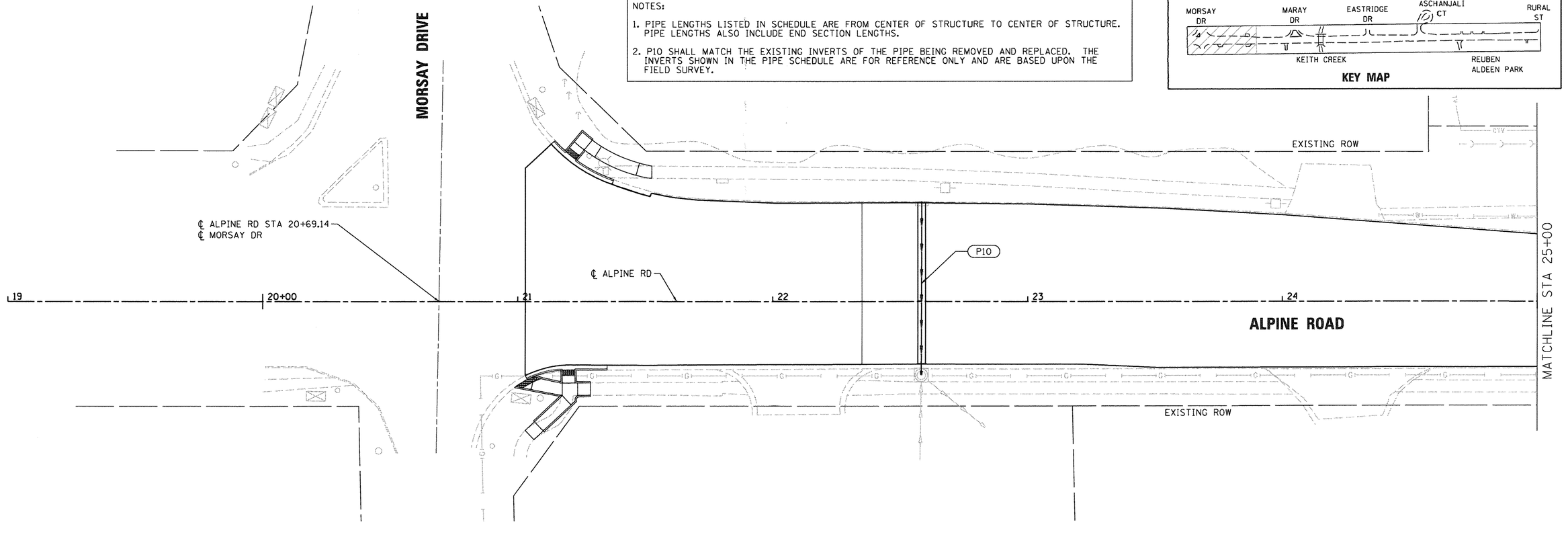
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0412	14-00609-00-BR	WINNEBAGO	89	36
		CONTRACT NO. 85656		
	ILLINOIS FED. AID PROJECT			

NOTES:

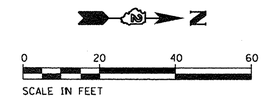
1. PIPE LENGTHS LISTED IN SCHEDULE ARE FROM CENTER OF STRUCTURE TO CENTER OF STRUCTURE. PIPE LENGTHS ALSO INCLUDE END SECTION LENGTHS.
2. P10 SHALL MATCH THE EXISTING INVERTS OF THE PIPE BEING REMOVED AND REPLACED. THE INVERTS SHOWN IN THE PIPE SCHEDULE ARE FOR REFERENCE ONLY AND ARE BASED UPON THE FIELD SURVEY.



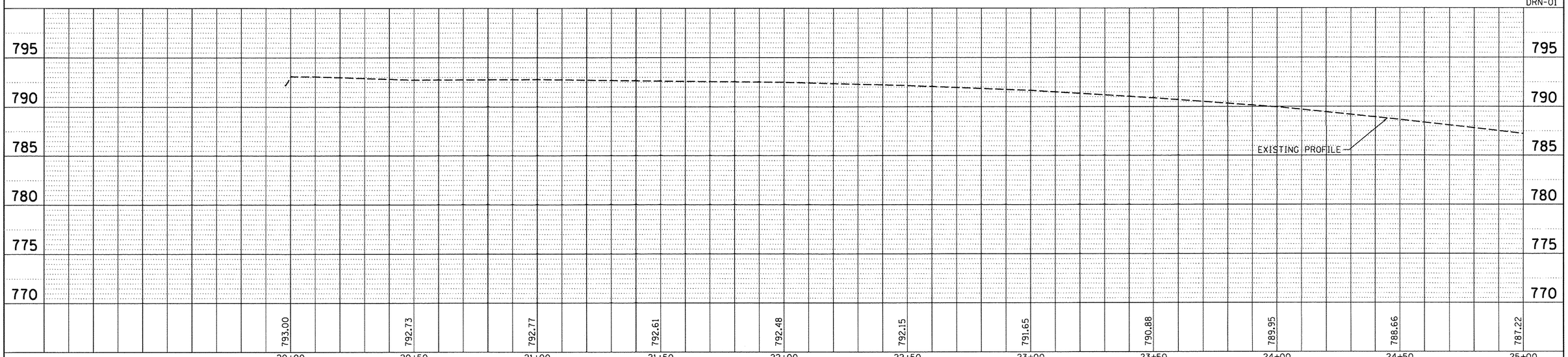
KEY MAP



PIPE NUMBER	FROM STRUCTURE	U/S INVERT	TO STRUCTURE	D/S INVERT	CLASS / TYPE	DIAMETER	LENGTH	SLOPE	TRENCH BACKFILL
P10	EXIST	788.10	EXIST	786.98	STORM SEWERS, CLASS A, TYPE 1	10	68	1.65%	9



DRN-01



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		DRAWN - MWH	REVISED -
	PLOT SCALE = 20.0000 ' / in.	CHECKED - KMA	REVISED -
	PLOT DATE = 4/19/2017	DATE - 4/19/17	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE PLAN AND PROFILE

SCALE: 1' = 20' | SHEET NO. 1 OF 5 SHEETS | STA. 19+00.00 TO STA. 25+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0412	14-00609-00-BR	WINNEBAGO	89	37
		CONTRACT NO. 85656		
		ILLINOIS FED. AID PROJECT		

PLAN — SURVEYED | PLOTTED | ALIGNMENT CHECKED | RT. OF WAY CHECKED | CADD FILE NAME | NOTE BOOK | NO. | BY | DATE

PROFILE — SURVEYED | PLOTTED | PROFILE CHECKED | R.M. NOTED | STRUCTURE NOTATNS CHKD | NOTE BOOK | NO. | BY | DATE

DESIGNED BAB 4/14/17
DRAWN MWH 4/14/17
REVIEWED KMA 4/18/17

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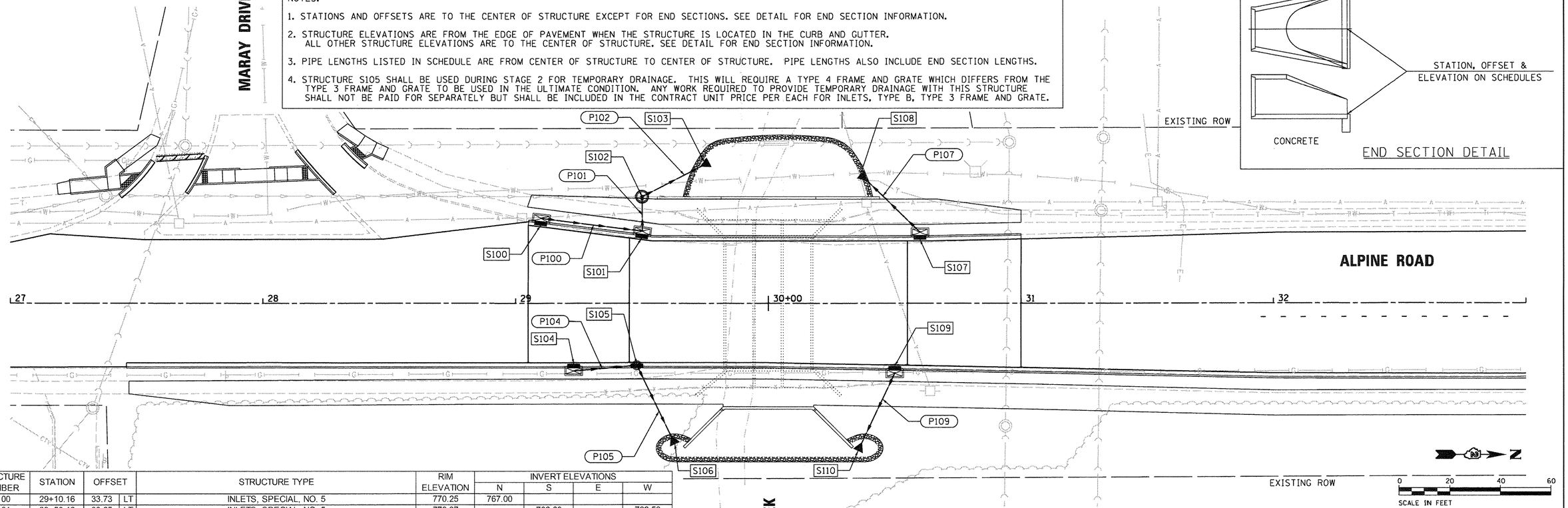
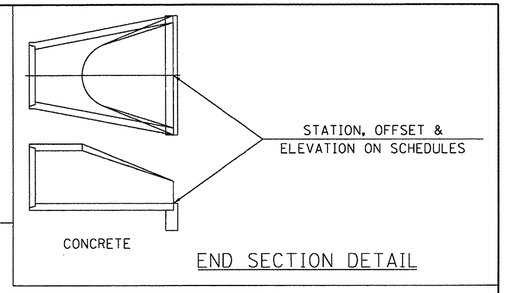
NOTES:

1. STATIONS AND OFFSETS ARE TO THE CENTER OF STRUCTURE EXCEPT FOR END SECTIONS. SEE DETAIL FOR END SECTION INFORMATION.
2. STRUCTURE ELEVATIONS ARE FROM THE EDGE OF PAVEMENT WHEN THE STRUCTURE IS LOCATED IN THE CURB AND GUTTER. ALL OTHER STRUCTURE ELEVATIONS ARE TO THE CENTER OF STRUCTURE. SEE DETAIL FOR END SECTION INFORMATION.
3. PIPE LENGTHS LISTED IN SCHEDULE ARE FROM CENTER OF STRUCTURE TO CENTER OF STRUCTURE. PIPE LENGTHS ALSO INCLUDE END SECTION LENGTHS.
4. STRUCTURE S105 SHALL BE USED DURING STAGE 2 FOR TEMPORARY DRAINAGE. THIS WILL REQUIRE A TYPE 4 FRAME AND GRATE WHICH DIFFERS FROM THE TYPE 3 FRAME AND GRATE TO BE USED IN THE ULTIMATE CONDITION. ANY WORK REQUIRED TO PROVIDE TEMPORARY DRAINAGE WITH THIS STRUCTURE SHALL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE PER EACH FOR INLETS, TYPE B, TYPE 3 FRAME AND GRATE.



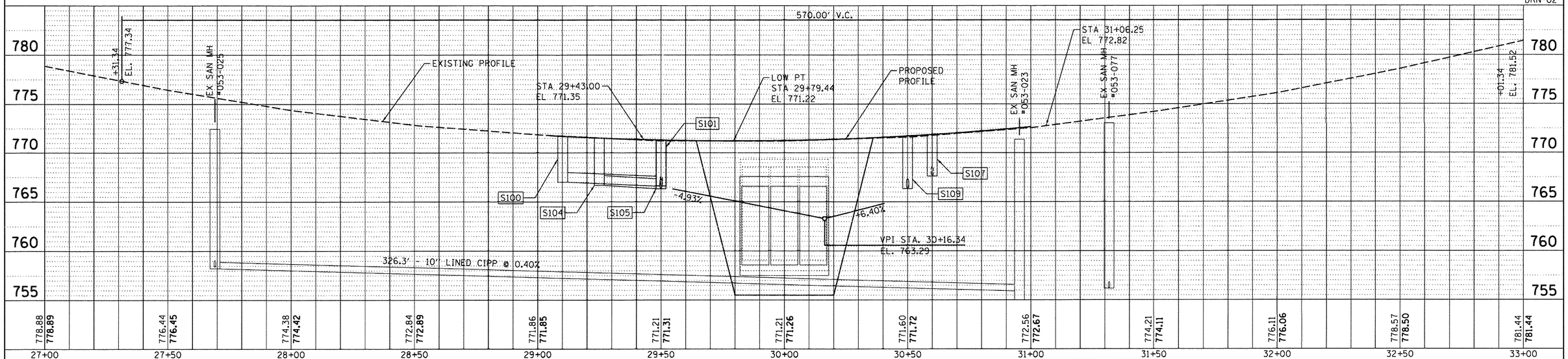


END SECTION DETAIL

STRUCTURE NUMBER	STATION	OFFSET		STRUCTURE TYPE	RIM ELEVATION	INVERT ELEVATIONS			
						N	S	E	W
S100	29+10.16	33.73	LT	INLETS, SPECIAL, NO. 5	770.25	767.00			
S101	29+50.16	28.65	LT	INLETS, SPECIAL, NO. 5	770.37		766.60		766.50
S102	29+50.00	42.31	LT	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	771.24	764.50	EX. 764.74	766.36	
S103	29+76.45	56.07	LT	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 18"	764.20		764.20		
S104	29+25.00	27.00	RT	INLETS, SPECIAL, NO. 5	770.65	766.68			
S105	29+50.00	24.78	RT	INLETS, TYPE B, TYPE 3 FRAME AND GRATE	770.55		766.43	766.33	
S106	29+63.02	56.12	RT	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	766.00				766.00
S107	30+60.00	28.24	LT	INLETS, SPECIAL, NO. 5	771.12				767.62
S108	30+36.46	51.26	LT	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	767.29			767.29	
S109	30+50.00	27.96	RT	INLETS, SPECIAL, NO. 5	770.99			766.34	
S110	30+35.50	58.74	RT	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	766.00				764.60

PIPE NUMBER	FROM STRUCTURE	U/S INVERT	TO STRUCTURE	D/S INVERT	CLASS / TYPE	DIAMETER	LENGTH	SLOPE	TRENCH BACKFILL
P100	S100	767.00	S101	766.60	STORM SEWERS, CLASS A, TYPE 1	12	40	1.00%	5
P101	S101	766.50	S102	766.36	STORM SEWERS, TYPE 1, WATER MAIN QUALITY PIPE	12	14	1.00%	3
P102	S102	764.50	S103	764.20	STORM SEWERS, TYPE 1, WATER MAIN QUALITY PIPE	18	30	1.00%	3
P104	S104	766.70	S105	766.45	STORM SEWERS, CLASS A, TYPE 1	12	25	1.00%	4
P105	S105	766.35	S106	766.00	STORM SEWERS, CLASS A, TYPE 1	12	35	1.00%	5
P107	S107	767.62	S108	767.29	STORM SEWERS, TYPE 1, WATER MAIN QUALITY PIPE	12	33	1.00%	4
P109	S109	766.34	S110	766.00	STORM SEWERS, CLASS A, TYPE 1	12	34	1.00%	4

DRN-02



DESIGNED	BAB	4/14/17
DRAWN	MWH	4/14/17
REVIEWED	KMA	4/18/17

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

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	GRADES CHECKED		
NOTE BOOK	B.M. NOTED		
NO.	STRUCTURE NOTATNS CHKD		

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FILE NAME =	USER NAME = hussu@0411	DESIGNED - BAB	REVISED -
14L0113-sht-drain-02.dgn		DRAWN - MWH	REVISED -
	PLOT SCALE = 20.0000 ' / in.	CHECKED - KMA	REVISED -
	PLOT DATE = 4/19/2017	DATE - 4/19/17	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE PLAN AND PROFILE

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0412	14-00609-00-BR	WINNEBAGO	89	38
		CONTRACT NO. 85656		
	ILLINOIS FED. AID PROJECT			

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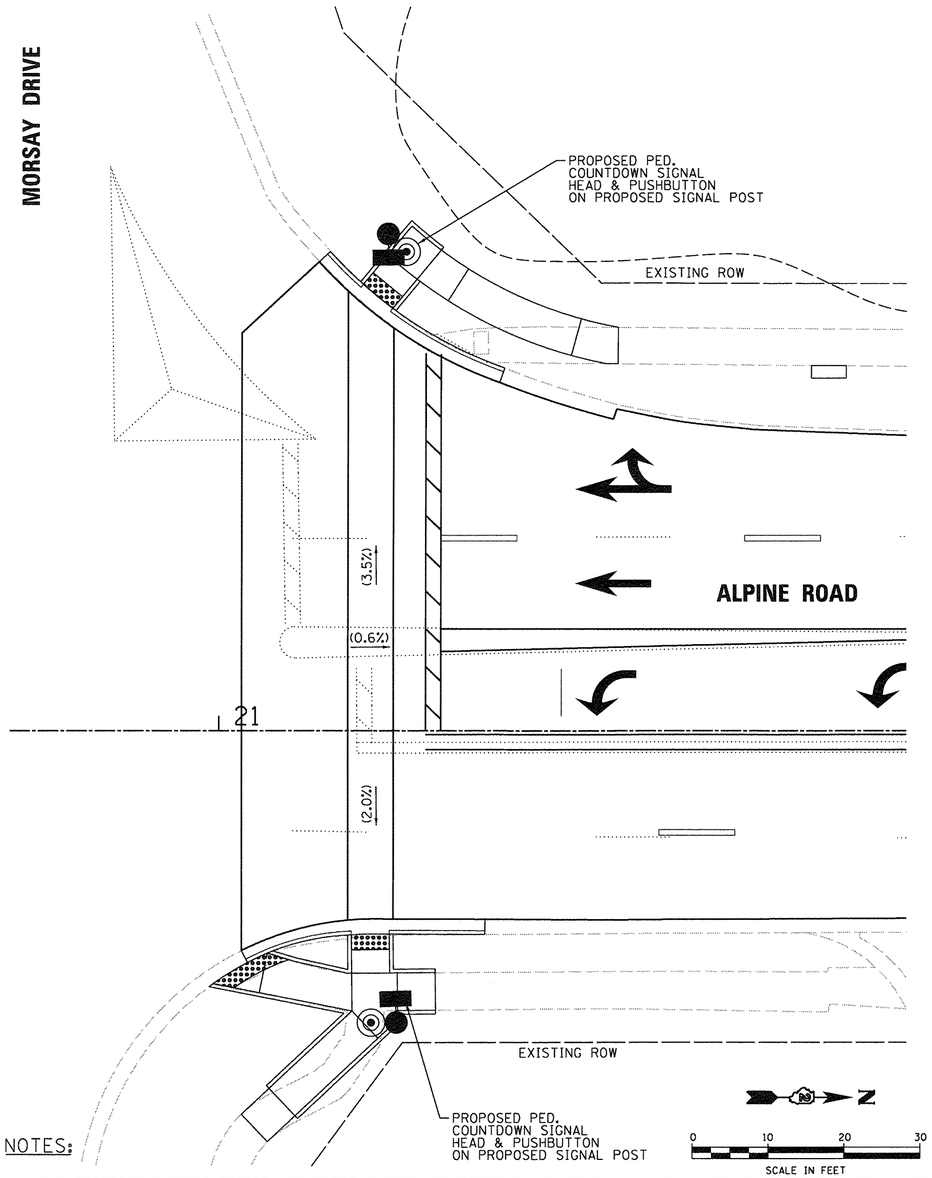
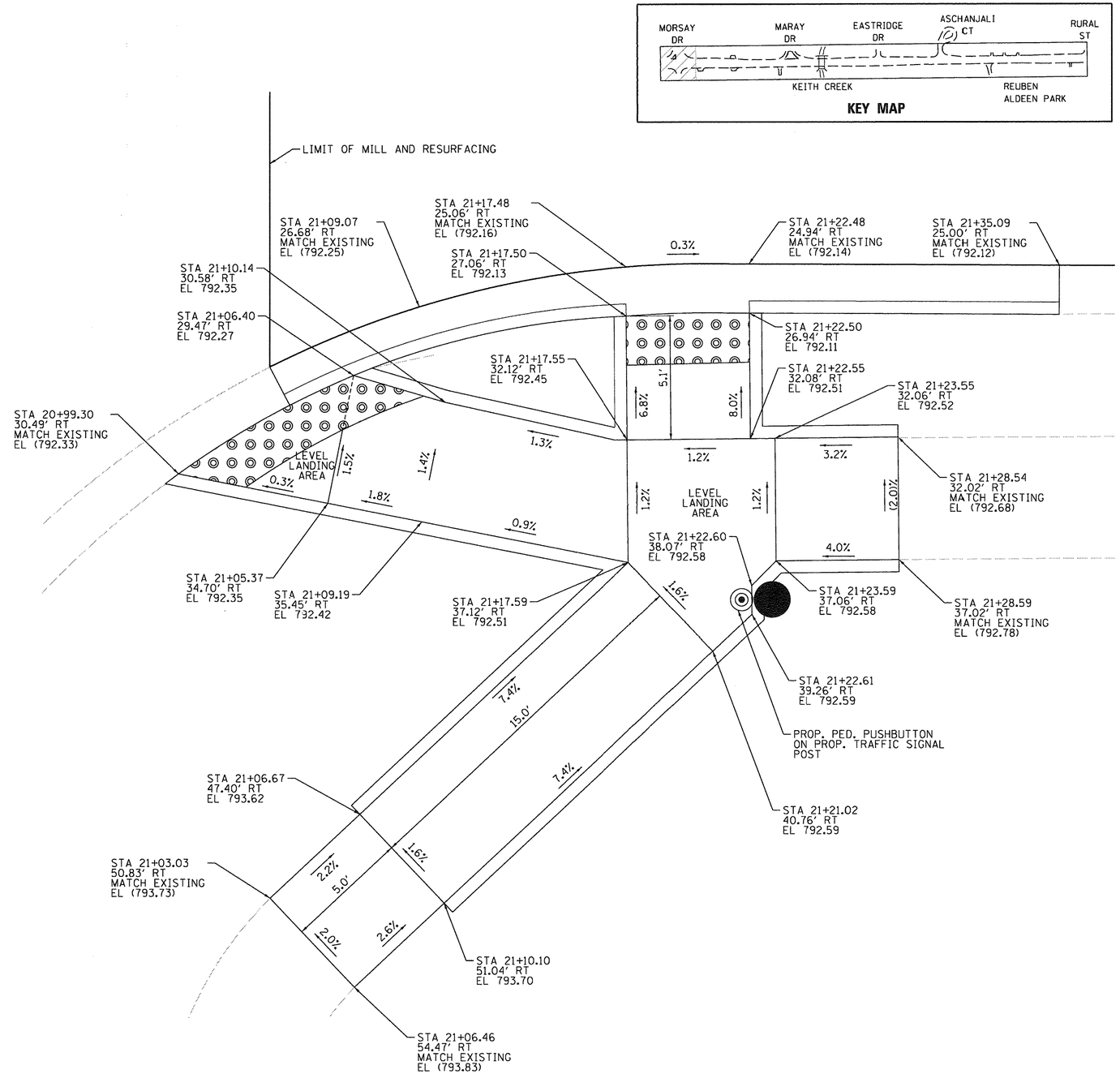


NOTES:

1. THE PROPOSED RUNNING GRADES AND CROSS SLOPES ARE BASED ON ADA REQUIREMENTS INCLUDING ALLOWABLE EXCEPTIONS FOR TRANSITIONS TO TIE INTO THE EXISTING SIDEWALKS. GRADES AND CROSS SLOPES SHOWN IN THE DETAILS THAT APPEAR TO EXCEED ADA MAXIMUMS WERE DETERMINED TO BE ALLOWABLE PER THE "MAXIMUM EXTENT PRACTICABLE" (MEP). THE CONTRACTOR SHALL VERIFY THAT THE GRADES AND CROSS SLOPES WILL NOT EXCEED ANY OF THE VALUES SHOWN IN THE DETAILS WHEN THE SIDEWALK FORMS ARE LAID OUT IN THE FIELD DURING CONSTRUCTION. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IF THERE IS A DISCREPANCY IN THE PLANS THAT REQUIRES HIGHER GRADES OR CROSS SLOPES FOR APPROVAL OR TO RECEIVE A REVISED PLAN. RAMPS SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE IF THE GRADES AND CROSS SLOPES EXCEED THE VALUES SHOWN IN THE DETAILS WITHOUT PRIOR APPROVAL FROM THE ENGINEER.
2. THE DEPRESSED CURB AND GUTTER ADJACENT TO THE CURB RAMPS SHALL BE IN ACCORDANCE WITH THE DETAIL FOR "DEPRESSED CURB ADJACENT TO CURB RAMP ACCESSIBLE TO THE DISABLED" FROM HWY. STD. 606001.
3. THE PROPOSED EDGE OF PAVEMENT ELEVATIONS SHALL MATCH THE EXISTING EDGE OF PAVEMENT ELEVATIONS AT THIS INTERSECTION.
4. THE PEDESTRIAN SIGNAL EQUIPMENT, CROSSWALK OVER ALPINE ROAD, AND CURB RAMPS AT THIS INTERSECTION SHALL BE IN PLACE PRIOR TO ANY SIDEWALK CLOSURE AT THE CULVERT.



RAMP DETAIL
STA 21+20, 26' RT

DESIGNED	KMA	11/11/16
DRAWN	MWH	4/18/17
REVIEWED	MCO	4/18/17

FILE NAME =	USER NAME = hussu00411	DESIGNED - KMA	REVISED -
14L0113-sht-int-01.dgn		DRAWN - MWH	REVISED -
	PLOT SCALE = 5.0000 ' / in.	CHECKED - MCO	REVISED -
	PLOT DATE = 4/19/2017	DATE - 4/19/17	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTERSECTION DETAIL
ALPINE ROAD AND MORSAY DRIVE

SCALE: 1" = 20' | SHEET NO. OF SHEETS | STA. TO STA.

INT-01

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0412	14-00609-00-BR	WINNEBAGO	89	39
		CONTRACT NO. 85656		
	ILLINOIS FED. AID PROJECT			

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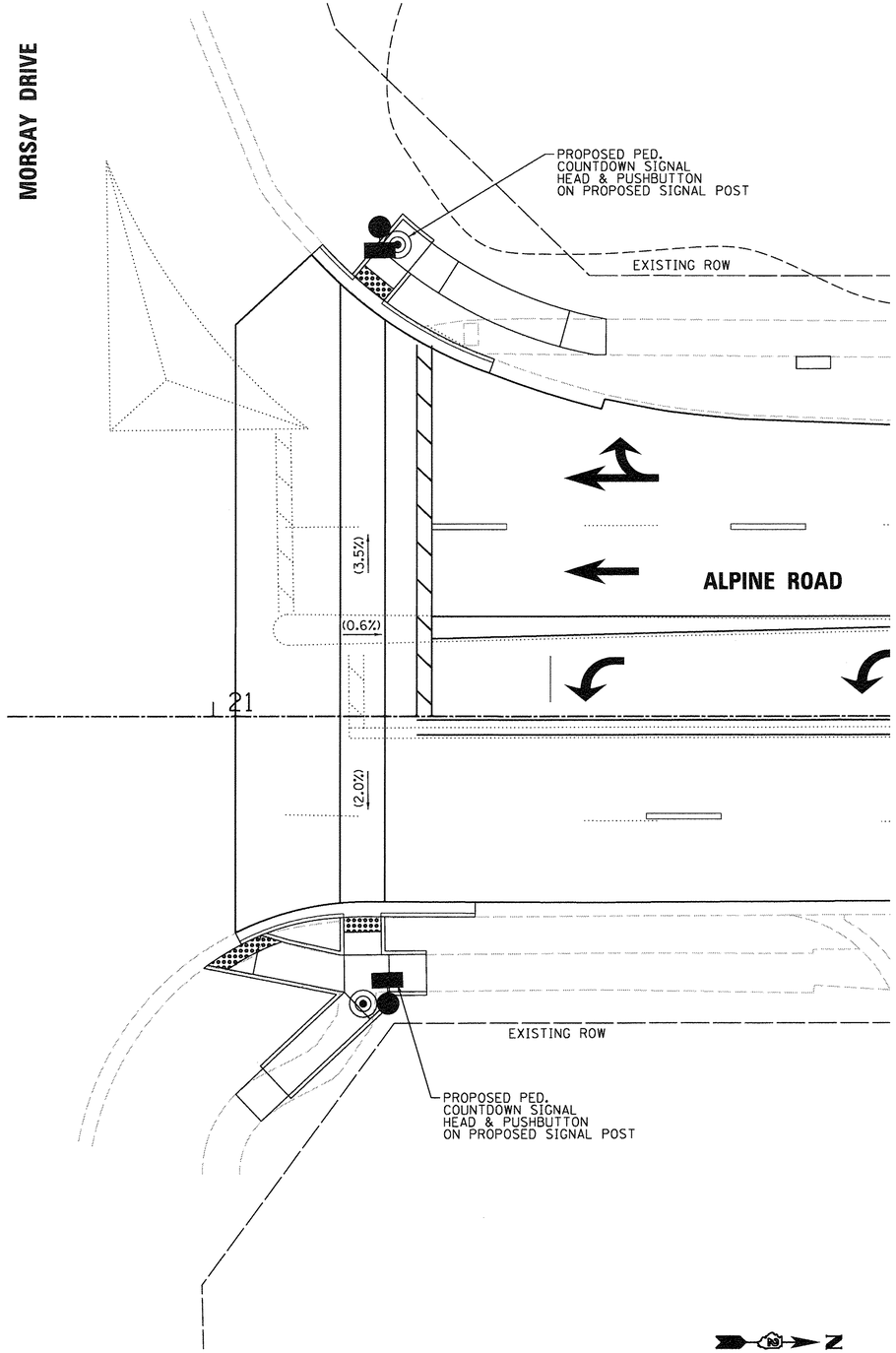

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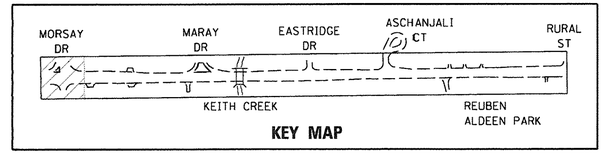
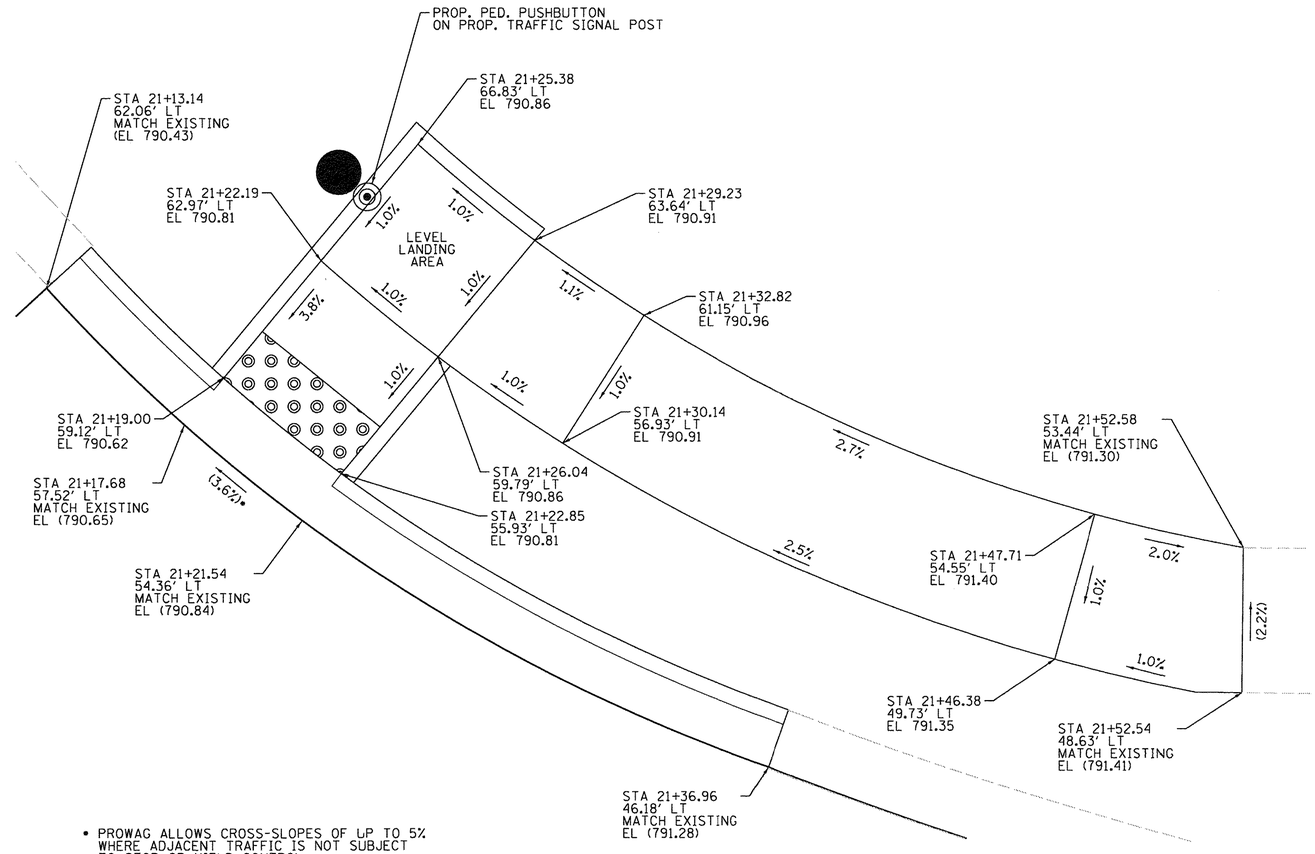
SCALE IN FEET



KEY MAP



* PROWAG ALLOWS CROSS-SLOPES OF UP TO 5% WHERE ADJACENT TRAFFIC IS NOT SUBJECT TO STOP OR YIELD CONTROL.

RAMP DETAIL
STA 21+20, 57' LT

NOTES:

1. THE PROPOSED RUNNING GRADES AND CROSS SLOPES ARE BASED ON ADA REQUIREMENTS INCLUDING ALLOWABLE EXCEPTIONS FOR TRANSITIONS TO TIE INTO THE EXISTING SIDEWALKS. GRADES AND CROSS SLOPES SHOWN IN THE DETAILS THAT APPEAR TO EXCEED ADA MAXIMUMS WERE DETERMINED TO BE ALLOWABLE PER THE "MAXIMUM EXTENT PRACTICABLE" (MEP). THE CONTRACTOR SHALL VERIFY THAT THE GRADES AND CROSS SLOPES WILL NOT EXCEED ANY OF THE VALUES SHOWN IN THE DETAILS WHEN THE SIDEWALK FORMS ARE LAID OUT IN THE FIELD DURING CONSTRUCTION. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IF THERE IS A DISCREPANCY IN THE PLANS THAT REQUIRES HIGHER GRADES OR CROSS SLOPES FOR APPROVAL OR TO RECEIVE A REVISED PLAN. RAMPS SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE IF THE GRADES AND CROSS SLOPES EXCEED THE VALUES SHOWN IN THE DETAILS WITHOUT PRIOR APPROVAL FROM THE ENGINEER.
2. THE DEPRESSED CURB AND GUTTER ADJACENT TO THE CURB RAMPS SHALL BE IN ACCORDANCE WITH THE DETAIL FOR "DEPRESSED CURB ADJACENT TO CURB RAMP ACCESSIBLE TO THE DISABLED" FROM HWY. STD. 606001.
3. THE PROPOSED EDGE OF PAVEMENT ELEVATIONS SHALL MATCH THE EXISTING EDGE OF PAVEMENT ELEVATIONS AT THIS INTERSECTION.
4. THE PEDESTRIAN SIGNAL EQUIPMENT, CROSSWALK OVER ALPINE ROAD, AND CURB RAMPS AT THIS INTERSECTION SHALL BE IN PLACE PRIOR TO ANY SIDEWALK CLOSURE AT THE CULVERT.

N
0 2.5 5 7.5
SCALE IN FEET

INT-02

DESIGNED	KMA	11/1/16
DRAWN	MWH	4/18/17
REVIEWED	MCO	4/18/17

FILE NAME = 14L0113-sht-int-02.dgn	USER NAME = hussu00411	DESIGNED - KMA	REVISED -
		DRAWN - MWH	REVISED -
	PLOT SCALE = 5.0000 ' / in.	CHECKED - MCO	REVISED -
	PLOT DATE = 4/19/2017	DATE - 4/19/17	REVISED -

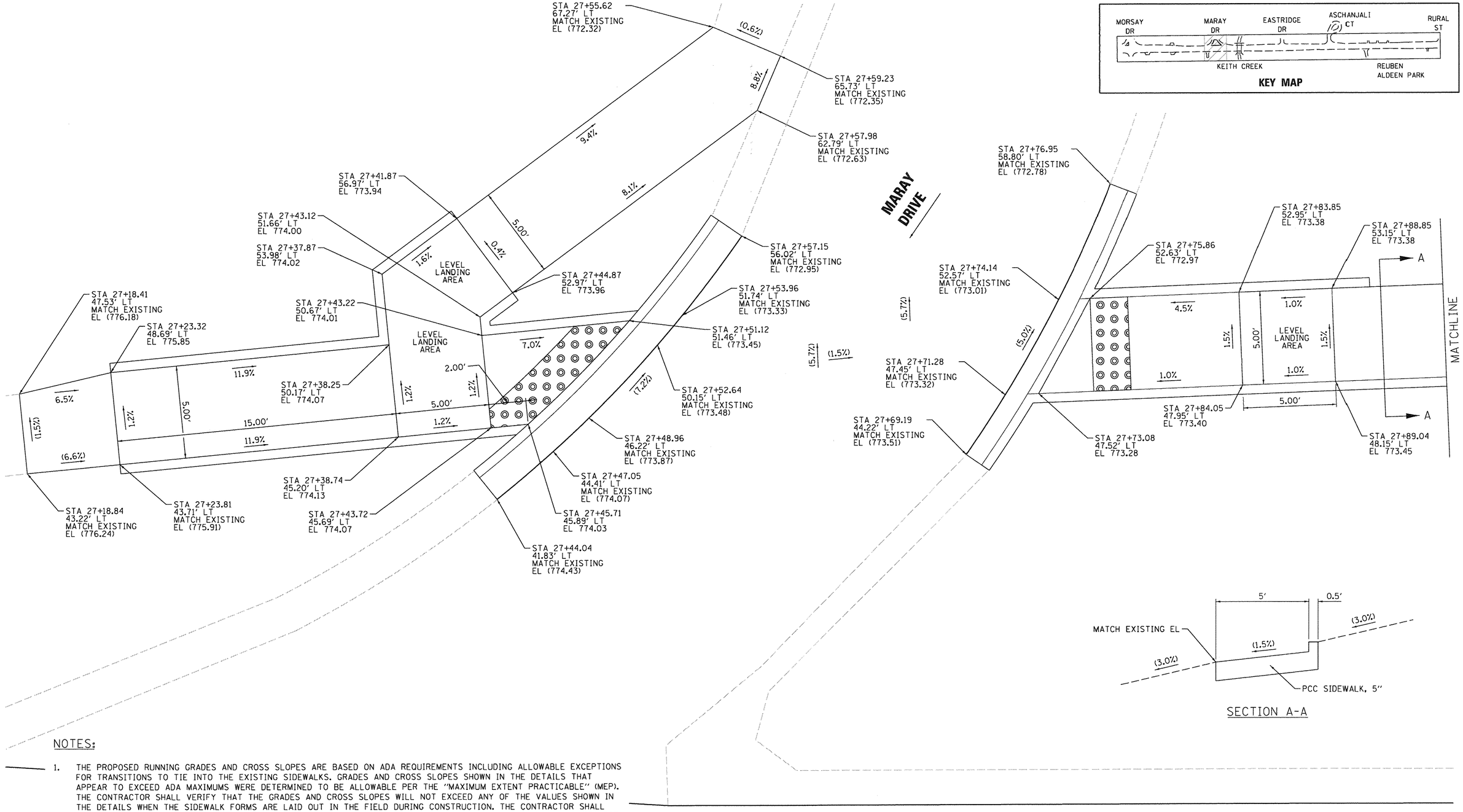
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTERSECTION DETAIL
ALPINE ROAD AND MORSAY DRIVE

SCALE: 1" = 20' | SHEET NO. OF SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0412	14-00609-00-BR	WINNEBAGO	89	40
		CONTRACT NO. 85656		
	ILLINOIS FED. AID PROJECT			

KEY MAP



SECTION A-A

NOTES:

1. THE PROPOSED RUNNING GRADES AND CROSS SLOPES ARE BASED ON ADA REQUIREMENTS INCLUDING ALLOWABLE EXCEPTIONS FOR TRANSITIONS TO TIE INTO THE EXISTING SIDEWALKS. GRADES AND CROSS SLOPES SHOWN IN THE DETAILS THAT APPEAR TO EXCEED ADA MAXIMUMS WERE DETERMINED TO BE ALLOWABLE PER THE "MAXIMUM EXTENT PRACTICABLE" (MEP). THE CONTRACTOR SHALL VERIFY THAT THE GRADES AND CROSS SLOPES WILL NOT EXCEED ANY OF THE VALUES SHOWN IN THE DETAILS WHEN THE SIDEWALK FORMS ARE LAID OUT IN THE FIELD DURING CONSTRUCTION. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IF THERE IS A DISCREPANCY IN THE PLANS THAT REQUIRES HIGHER GRADES OR CROSS SLOPES FOR APPROVAL OR TO RECEIVE A REVISED PLAN. RAMPS SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE IF THE GRADES AND CROSS SLOPES EXCEED THE VALUES SHOWN IN THE DETAILS WITHOUT PRIOR APPROVAL FROM THE ENGINEER.
2. THE DEPRESSED CURB AND GUTTER ADJACENT TO THE CURB RAMPS SHALL BE IN ACCORDANCE WITH THE DETAIL FOR "DEPRESSED CURB ADJACENT TO CURB RAMP ACCESSIBLE TO THE DISABLED" FROM HWY. STD. 606001.
3. THE PROPOSED EDGE OF PAVEMENT ELEVATIONS SHALL MATCH THE EXISTING EDGE OF PAVEMENT ELEVATIONS AT THIS INTERSECTION.

RAMP DETAIL
STA 27+97, 51' LT

ALPINE ROAD

0 2 4 6
SCALE IN FEET

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DESIGNED	KMA	12/29/16
DRAWN	MWH	4/18/17
REVIEWED	MCO	4/18/17

FILE NAME = 14L0113-sht-int-03.dgn	USER NAME = hussu00411	DESIGNED - KMA	REVISED -
		DRAWN - MWH	REVISED -
	PLOT SCALE = 5.0000 ' / in.	CHECKED - MCO	REVISED -
	PLOT DATE = 4/19/2017	DATE - 4/19/17	REVISED -

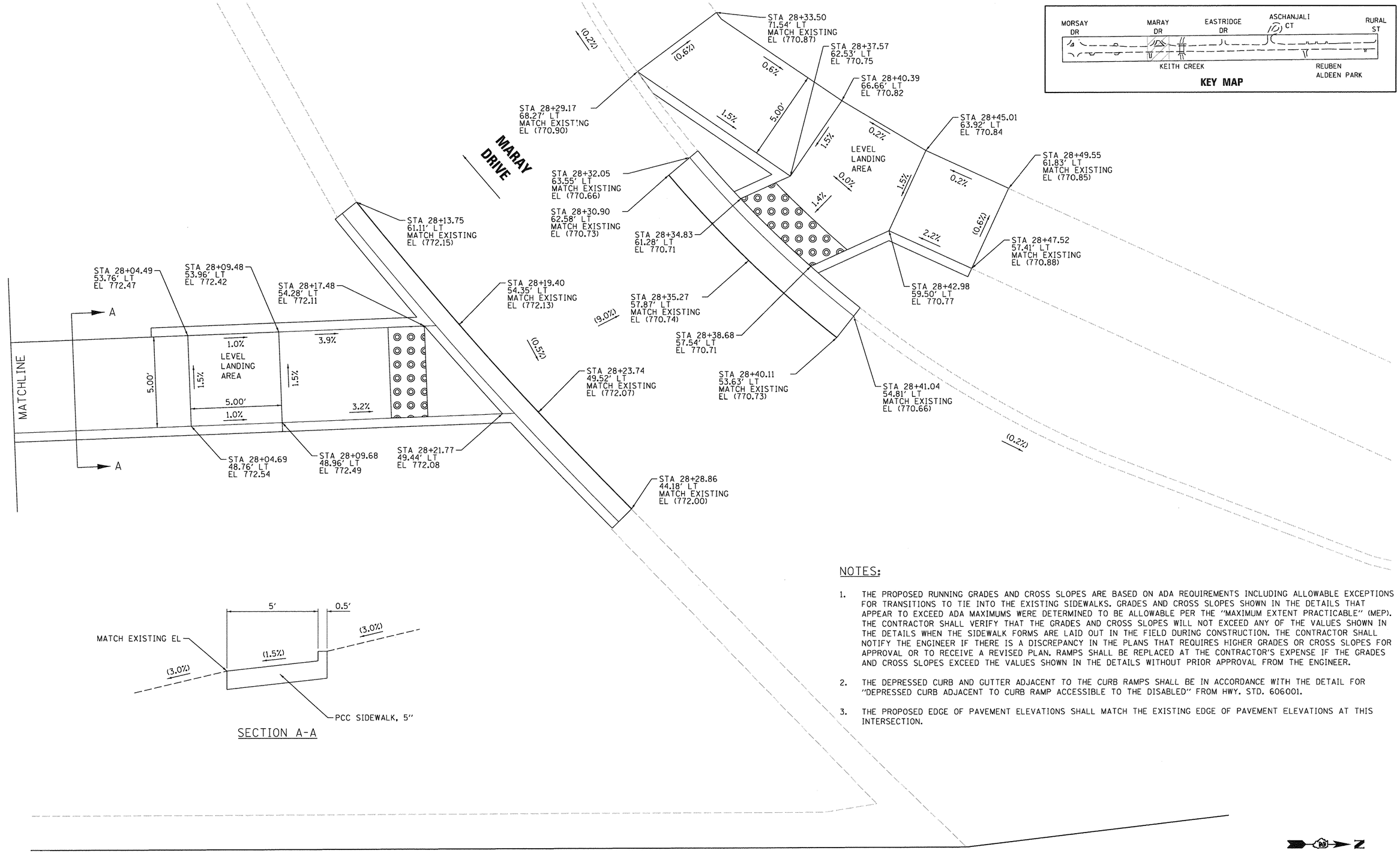
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTERSECTION DETAIL
ALPINE ROAD AND MARAY DRIVE

SCALE: 1" = 20' | SHEET NO. OF SHEETS | STA. | TO STA.

INT-03

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0412	14-00609-00-BR	WINNEBAGO	89	41
		CONTRACT NO. 85656		
		ILLINOIS FED. AID PROJECT		



SECTION A-A

NOTES:

1. THE PROPOSED RUNNING GRADES AND CROSS SLOPES ARE BASED ON ADA REQUIREMENTS INCLUDING ALLOWABLE EXCEPTIONS FOR TRANSITIONS TO TIE INTO THE EXISTING SIDEWALKS. GRADES AND CROSS SLOPES SHOWN IN THE DETAILS THAT APPEAR TO EXCEED ADA MAXIMUMS WERE DETERMINED TO BE ALLOWABLE PER THE "MAXIMUM EXTENT PRACTICABLE" (MEP). THE CONTRACTOR SHALL VERIFY THAT THE GRADES AND CROSS SLOPES WILL NOT EXCEED ANY OF THE VALUES SHOWN IN THE DETAILS WHEN THE SIDEWALK FORMS ARE LAID OUT IN THE FIELD DURING CONSTRUCTION. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IF THERE IS A DISCREPANCY IN THE PLANS THAT REQUIRES HIGHER GRADES OR CROSS SLOPES FOR APPROVAL OR TO RECEIVE A REVISED PLAN. RAMPS SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE IF THE GRADES AND CROSS SLOPES EXCEED THE VALUES SHOWN IN THE DETAILS WITHOUT PRIOR APPROVAL FROM THE ENGINEER.
2. THE DEPRESSED CURB AND GUTTER ADJACENT TO THE CURB RAMPS SHALL BE IN ACCORDANCE WITH THE DETAIL FOR "DEPRESSED CURB ADJACENT TO CURB RAMP ACCESSIBLE TO THE DISABLED" FROM HWY. STD. 606001.
3. THE PROPOSED EDGE OF PAVEMENT ELEVATIONS SHALL MATCH THE EXISTING EDGE OF PAVEMENT ELEVATIONS AT THIS INTERSECTION.

ALPINE ROAD

RAMP DETAIL
STA 27+97, 51' LT

0 2 4 6
SCALE IN FEET

INT-04

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Hanson Professional Services Inc.

DESIGNED	KMA	12/29/16
DRAWN	MWH	4/18/17
REVIEWED	MCQ	4/18/17

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		DRAWN - MWH	REVISED -
	PLOT SCALE = 5.0000 ' / in.	CHECKED - MCQ	REVISED -
	PLOT DATE = 4/19/2017	DATE - 4/19/17	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTERSECTION DETAIL
ALPINE ROAD AND MARAY DRIVE

SCALE: 1" = 20' | SHEET NO. OF SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0412	14-00609-00-BR	WINNEBAGO	89	42
		CONTRACT NO. 85656		
	ILLINOIS FED. AID PROJECT			

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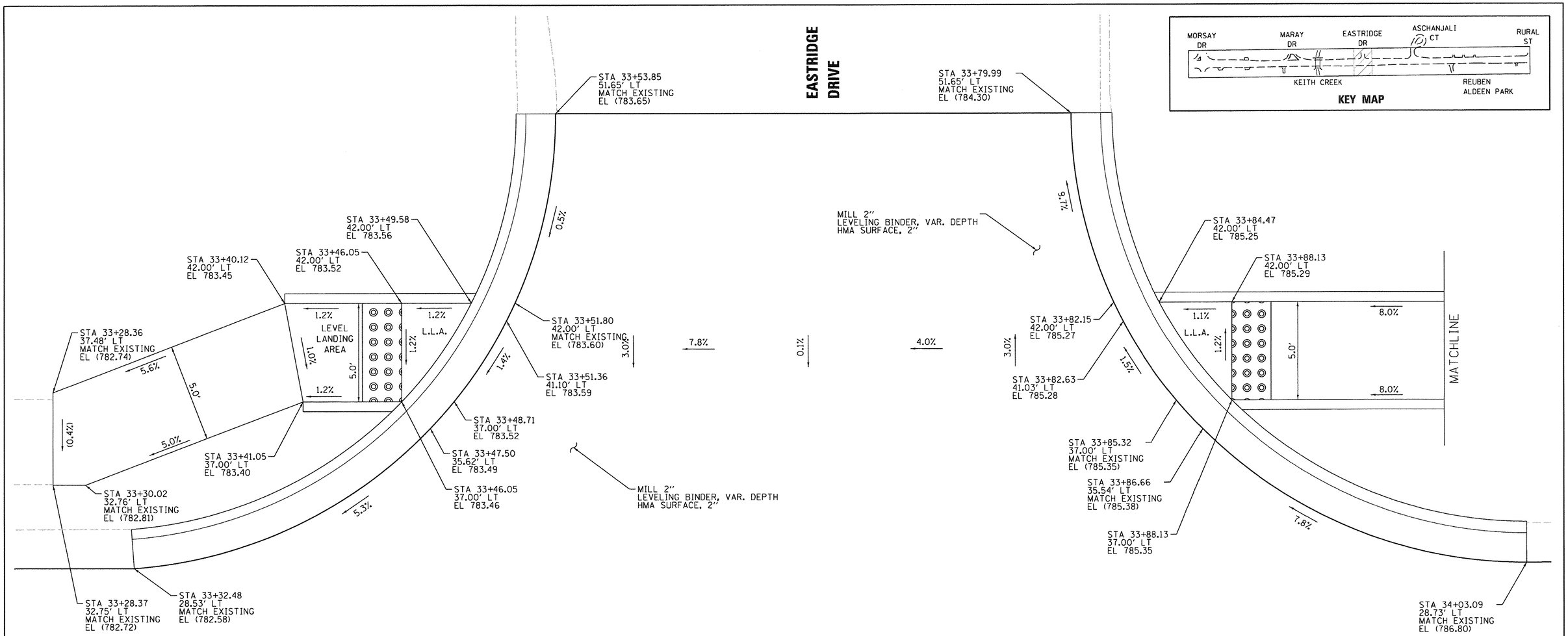
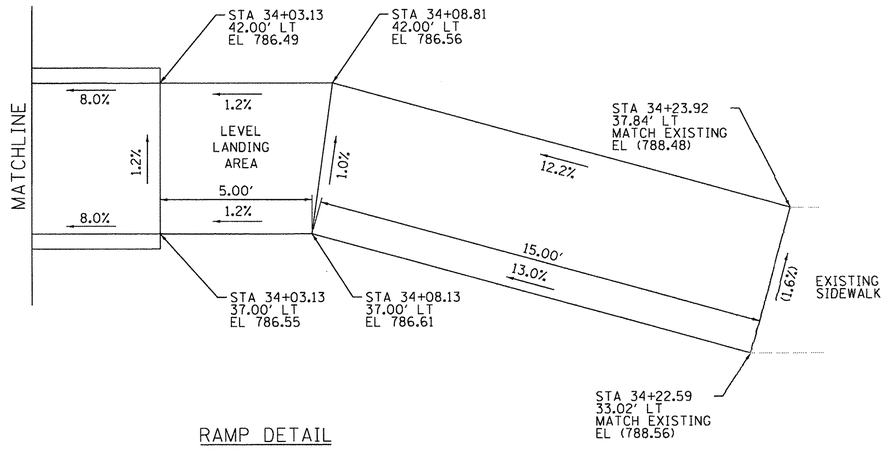


ALPINE ROAD



RAMP DETAIL
STA 33+67, 35' LT

NOTES:

1. THE PROPOSED RUNNING GRADES AND CROSS SLOPES ARE BASED ON ADA REQUIREMENTS INCLUDING ALLOWABLE EXCEPTIONS FOR TRANSITIONS TO TIE INTO THE EXISTING SIDEWALKS. GRADES AND CROSS SLOPES SHOWN IN THE DETAILS THAT APPEAR TO EXCEED ADA MAXIMUMS WERE DETERMINED TO BE ALLOWABLE PER THE "MAXIMUM EXTENT PRACTICABLE" (MEP). THE CONTRACTOR SHALL VERIFY THAT THE GRADES AND CROSS SLOPES WILL NOT EXCEED ANY OF THE VALUES SHOWN IN THE DETAILS WHEN THE SIDEWALK FORMS ARE LAID OUT IN THE FIELD DURING CONSTRUCTION. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IF THERE IS A DISCREPANCY IN THE PLANS THAT REQUIRES HIGHER GRADES OR CROSS SLOPES FOR APPROVAL OR TO RECEIVE A REVISED PLAN. RAMPS SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE IF THE GRADES AND CROSS SLOPES EXCEED THE VALUES SHOWN IN THE DETAILS WITHOUT PRIOR APPROVAL FROM THE ENGINEER.
2. THE DEPRESSED CURB AND GUTTER ADJACENT TO THE CURB RAMPS SHALL BE IN ACCORDANCE WITH THE DETAIL FOR "DEPRESSED CURB ADJACENT TO CURB RAMP ACCESSIBLE TO THE DISABLED" FROM HWY. STD. 606001.
3. NOTE THAT THE PROPOSED PAVEMENT ELEVATION IS HIGHER THAN THE EXISTING PAVEMENT ELEVATIONS IN AND AROUND THE CROSSWALK AND CURB RAMPS AT THIS INTERSECTION. VARIABLE DEPTH LEVELING BINDER ASPHALT IS REQUIRED.

N

0 2 4 6
SCALE IN FEET

DESIGNED	KMA	12/29/16
DRAWN	MWH	4/18/17
REVIEWED	MCO	4/18/17

FILE NAME = 14L0113-sht-int-05.dgn	USER NAME = hussu00411	DESIGNED - KMA	REVISED -
		DRAWN - MWH	REVISED -
	PLOT SCALE = 5.0000 ' / in.	CHECKED - MCO	REVISED -
	PLOT DATE = 4/19/2017	DATE - 4/19/17	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTERSECTION DETAIL
ALPINE ROAD AND EASTRIDGE DR

SCALE: 1" = 20' | SHEET NO. OF SHEETS | STA. TO STA.

INT-05

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0412	14-00609-00-BR	WINNEBAGO	89	43
		CONTRACT NO. 85656		
	ILLINOIS FED. AID PROJECT			

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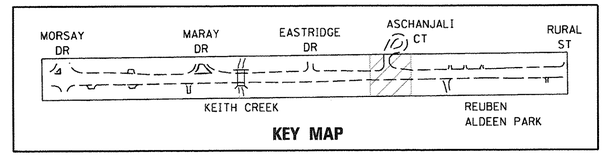
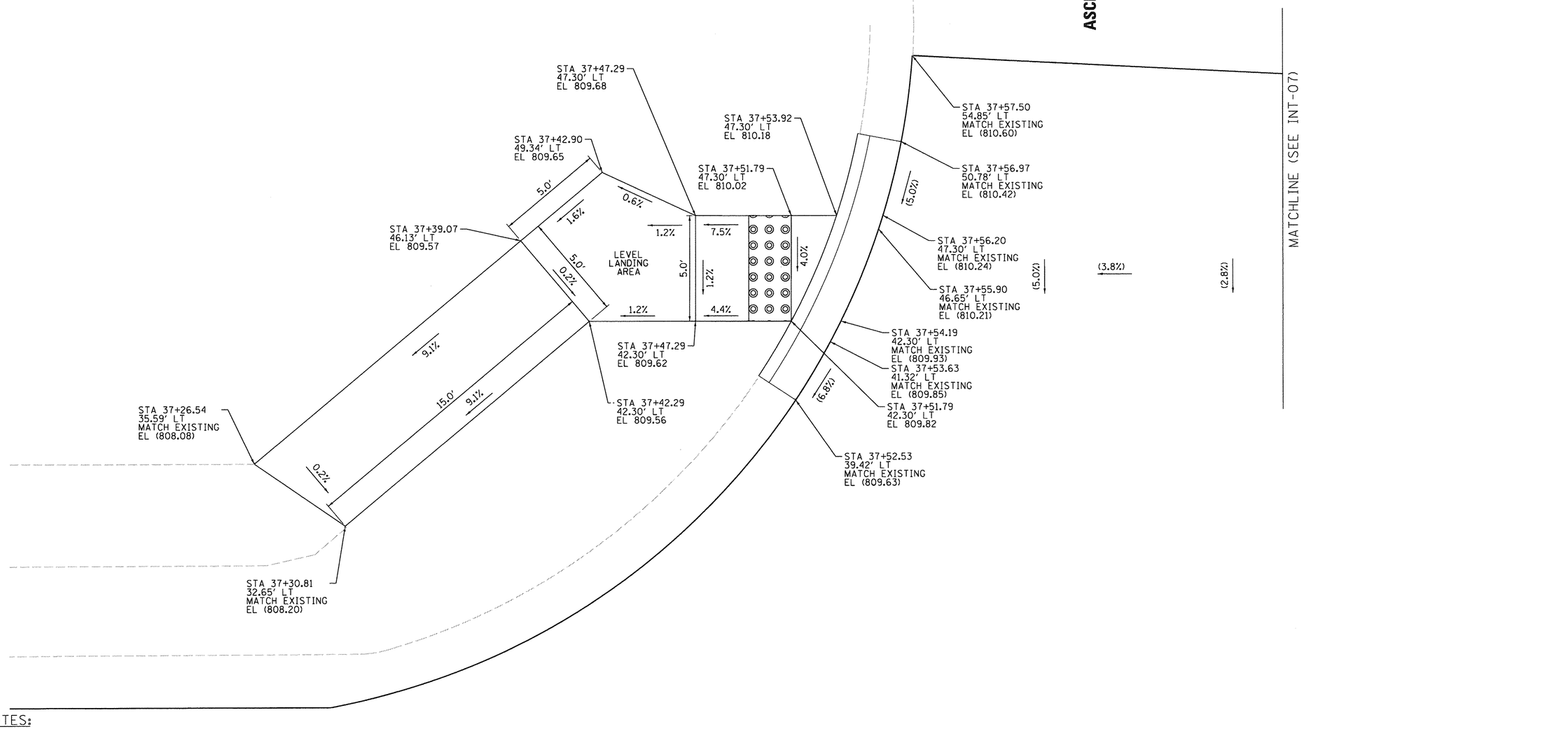


KEY MAP



NOTES:

1. THE PROPOSED RUNNING GRADES AND CROSS SLOPES ARE BASED ON ADA REQUIREMENTS INCLUDING ALLOWABLE EXCEPTIONS FOR TRANSITIONS TO TIE INTO THE EXISTING SIDEWALKS. GRADES AND CROSS SLOPES SHOWN IN THE DETAILS THAT APPEAR TO EXCEED ADA MAXIMUMS WERE DETERMINED TO BE ALLOWABLE PER THE "MAXIMUM EXTENT PRACTICABLE" (MEP). THE CONTRACTOR SHALL VERIFY THAT THE GRADES AND CROSS SLOPES WILL NOT EXCEED ANY OF THE VALUES SHOWN IN THE DETAILS WHEN THE SIDEWALK FORMS ARE LAID OUT IN THE FIELD DURING CONSTRUCTION. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IF THERE IS A DISCREPANCY IN THE PLANS THAT REQUIRES HIGHER GRADES OR CROSS SLOPES FOR APPROVAL OR TO RECEIVE A REVISED PLAN. RAMPS SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE IF THE GRADES AND CROSS SLOPES EXCEED THE VALUES SHOWN IN THE DETAILS WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

2. THE DEPRESSED CURB AND GUTTER ADJACENT TO THE CURB RAMPS SHALL BE IN ACCORDANCE WITH THE DETAIL FOR "DEPRESSED CURB ADJACENT TO CURB RAMP ACCESSIBLE TO THE DISABLED" FROM HWY. STD. 606001.

3. THE PROPOSED EDGE OF PAVEMENT ELEVATIONS SHALL MATCH THE EXISTING EDGE OF PAVEMENT ELEVATIONS AT THIS INTERSECTION.

ALPINE ROAD

RAMP DETAIL
STA 37+55, 44' LT

N

0 2 4 6
SCALE IN FEET

DESIGNED	KMA	12/29/16
DRAWN	MWH	4/18/17
REVIEWED	MCO	4/18/17

FILE NAME = 14L0113-sht-int-06.dgn	USER NAME = hussu00411	DESIGNED - KMA	REVISED -
		DRAWN - MWH	REVISED -
	PLOT SCALE = 5.0000 ' / in.	CHECKED - MCO	REVISED -
	PLOT DATE = 4/19/2017	DATE - 4/19/17	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTERSECTION DETAIL
ALPINE ROAD AND ASCHANJALI CT

SCALE: 1" = 20' | SHEET NO. OF SHEETS | STA. | TO STA.

INT-06

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0412	14-00609-00-BR	WINNEBAGO	89	44
		CONTRACT NO. 85656		
	ILLINOIS	FED. AID PROJECT		

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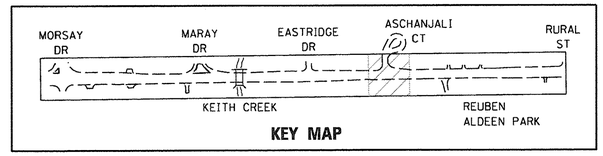
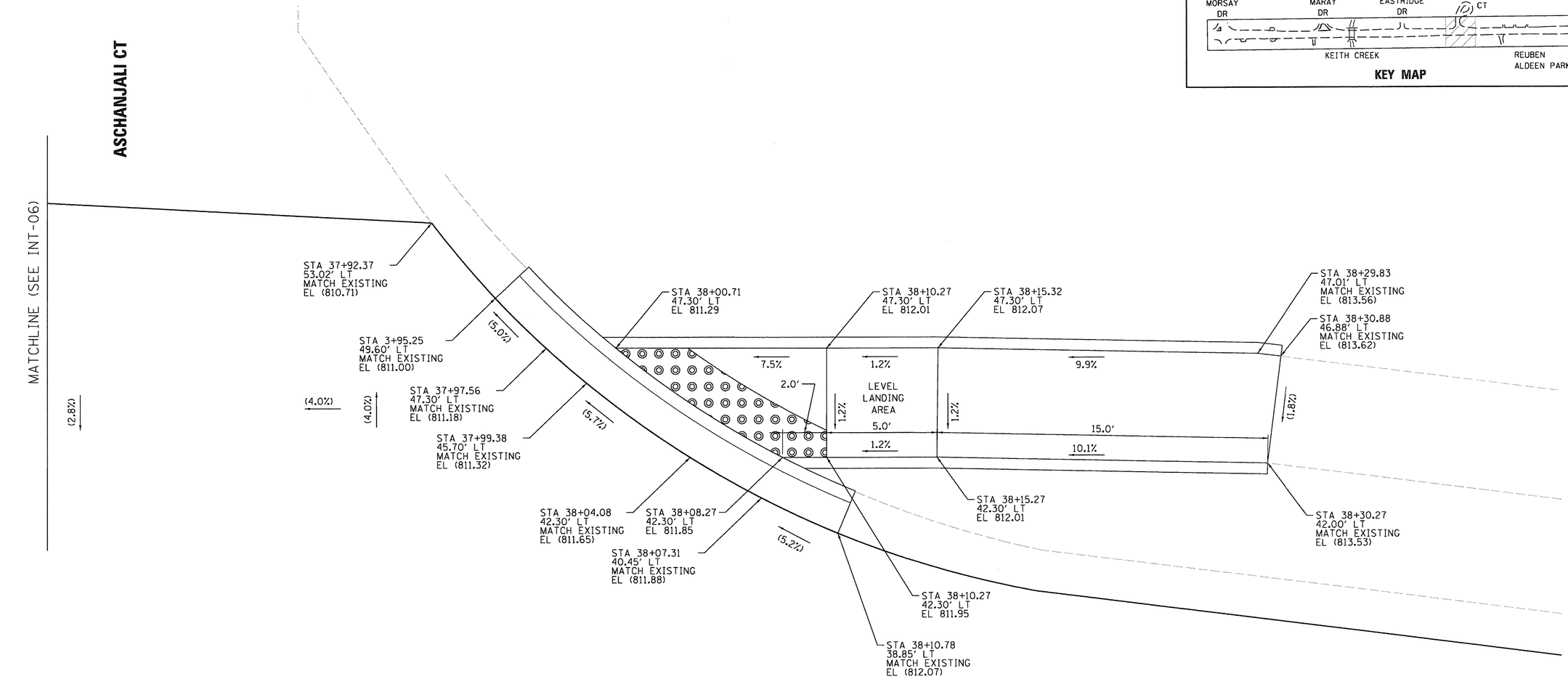


KEY MAP

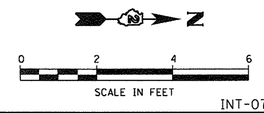


RAMP DETAIL
STA 38+00. 44' LT

ALPINE ROAD

NOTES:

1. THE PROPOSED RUNNING GRADES AND CROSS SLOPES ARE BASED ON ADA REQUIREMENTS INCLUDING ALLOWABLE EXCEPTIONS FOR TRANSITIONS TO TIE INTO THE EXISTING SIDEWALKS. GRADES AND CROSS SLOPES SHOWN IN THE DETAILS THAT APPEAR TO EXCEED ADA MAXIMUMS WERE DETERMINED TO BE ALLOWABLE PER THE "MAXIMUM EXTENT PRACTICABLE" (MEP). THE CONTRACTOR SHALL VERIFY THAT THE GRADES AND CROSS SLOPES WILL NOT EXCEED ANY OF THE VALUES SHOWN IN THE DETAILS WHEN THE SIDEWALK FORMS ARE LAID OUT IN THE FIELD DURING CONSTRUCTION. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IF THERE IS A DISCREPANCY IN THE PLANS THAT REQUIRES HIGHER GRADES OR CROSS SLOPES FOR APPROVAL OR TO RECEIVE A REVISED PLAN. RAMPS SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE IF THE GRADES AND CROSS SLOPES EXCEED THE VALUES SHOWN IN THE DETAILS WITHOUT PRIOR APPROVAL FROM THE ENGINEER.
2. THE DEPRESSED CURB AND GUTTER ADJACENT TO THE CURB RAMPS SHALL BE IN ACCORDANCE WITH THE DETAIL FOR "DEPRESSED CURB ADJACENT TO CURB RAMP ACCESSIBLE TO THE DISABLED" FROM HWY. STD. 606001.
3. THE PROPOSED EDGE OF PAVEMENT ELEVATIONS SHALL MATCH THE EXISTING EDGE OF PAVEMENT ELEVATIONS AT THIS INTERSECTION.



INT-07

DESIGNED	KMA	12/29/16
DRAWN	MWH	4/18/17
REVIEWED	MCO	4/18/17

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		DRAWN - MWH	REVISED -
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	PLOT DATE = 4/19/2017	DATE - 4/19/17	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

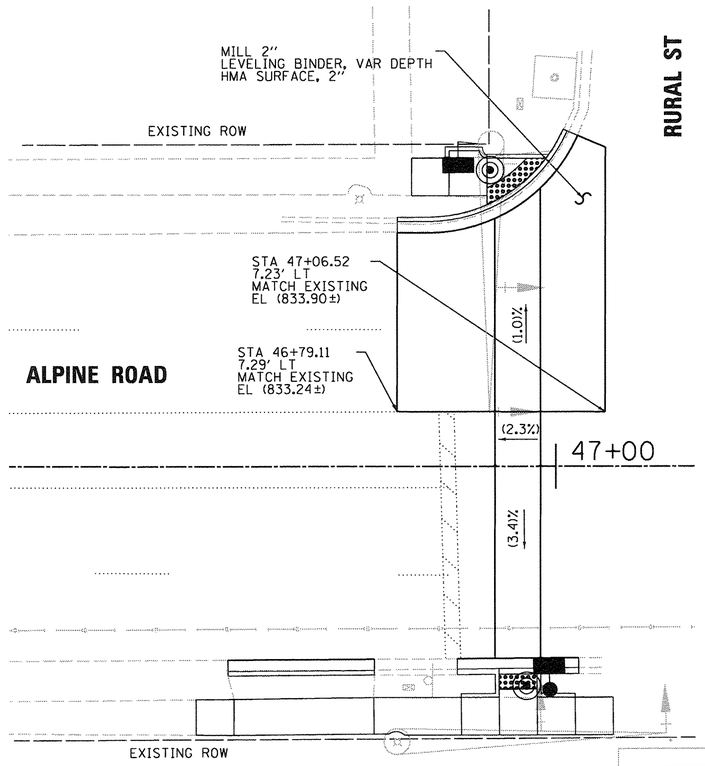
INTERSECTION DETAIL
ALPINE ROAD AND ASCHANJALI CT

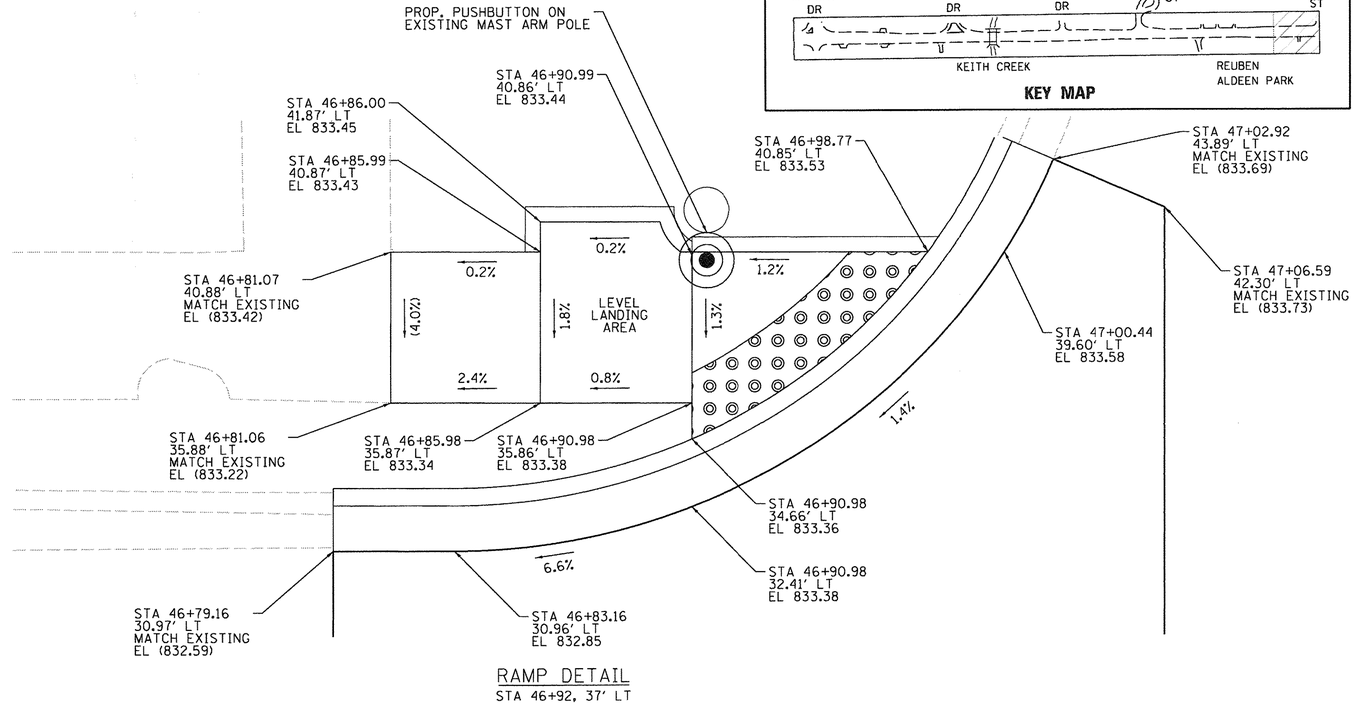
SCALE: 1" = 20' | SHEET NO. OF SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0412	14-00609-00-BR	WINNEBAGO	89	45
		CONTRACT NO. 85656		
	ILLINOIS FED. AID PROJECT			

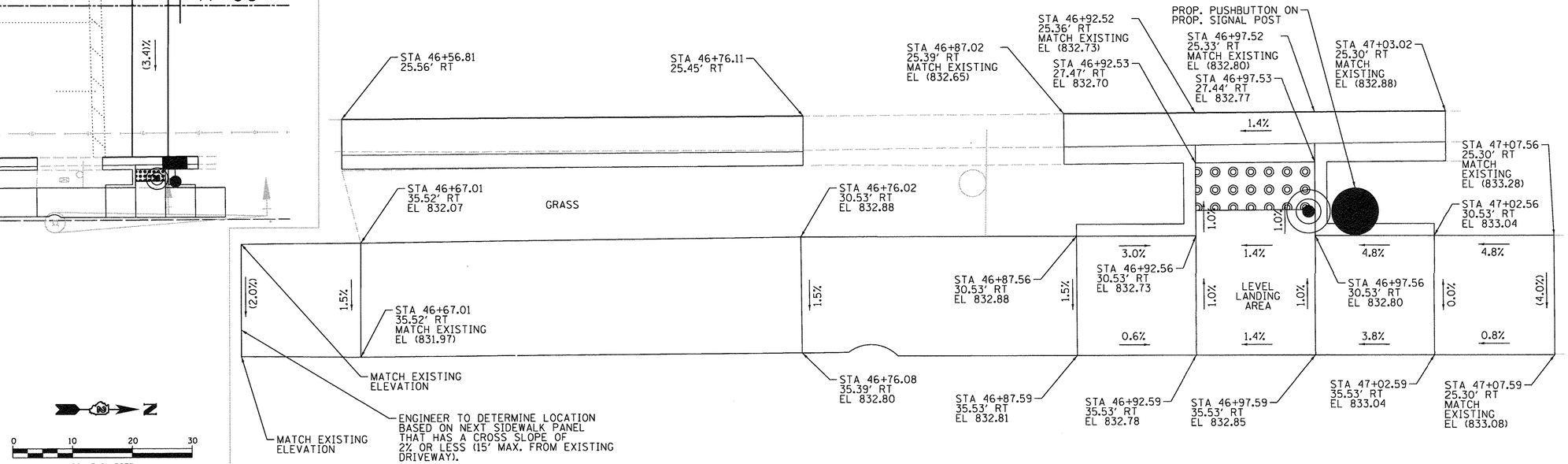
NOTES:

1. THE PROPOSED RUNNING GRADES AND CROSS SLOPES ARE BASED ON ADA REQUIREMENTS INCLUDING ALLOWABLE EXCEPTIONS FOR TRANSITIONS TO TIE INTO THE EXISTING SIDEWALKS. GRADES AND CROSS SLOPES SHOWN IN THE DETAILS THAT APPEAR TO EXCEED ADA MAXIMUMS WERE DETERMINED TO BE ALLOWABLE PER THE "MAXIMUM EXTENT PRACTICABLE" (MEP). THE CONTRACTOR SHALL VERIFY THAT THE GRADES AND CROSS SLOPES WILL NOT EXCEED ANY OF THE VALUES SHOWN IN THE DETAILS WHEN THE SIDEWALK FORMS ARE LAID OUT IN THE FIELD DURING CONSTRUCTION. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IF THERE IS A DISCREPANCY IN THE PLANS THAT REQUIRES HIGHER GRADES OR CROSS SLOPES FOR APPROVAL OR TO RECEIVE A REVISED PLAN. RAMPS SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE IF THE GRADES AND CROSS SLOPES EXCEED THE VALUES SHOWN IN THE DETAILS WITHOUT PRIOR APPROVAL FROM THE ENGINEER.
2. THE DEPRESSED CURB AND GUTTER ADJACENT TO THE CURB RAMPS SHALL BE IN ACCORDANCE WITH THE DETAIL FOR "DEPRESSED CURB ADJACENT TO CURB RAMP ACCESSIBLE TO THE DISABLED" FROM HWY. STD. 606001.
3. NOTE THAT THE PROPOSED PAVEMENT ELEVATION IS HIGHER THAN THE EXISTING PAVEMENT ELEVATIONS IN AND AROUND THE CROSSWALK AND CURB RAMPS AT THIS INTERSECTION. VARIABLE DEPTH LEVELING BINDER ASPHALT IS REQUIRED.
4. THE PEDESTRIAN SIGNAL EQUIPMENT, CROSSWALK OVER ALPINE ROAD, AND CURB RAMPS AT THIS INTERSECTION SHALL BE IN PLACE PRIOR TO ANY SIDEWALK CLOSURE AT THE CULVERT.





RAMP DETAIL
STA 46+92, 37' LT



RAMP DETAIL
STA 46+92, 27' RT

0 10 20 30
SCALE IN FEET

0 2.5 5 7.5
SCALE IN FEET

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DESIGNED	KMA	11/11/16
DRAWN	MWH	4/18/17
REVIEWED	MCO	4/18/17

FILE NAME = 14L0113-sht-int-08.dgn	USER NAME = hussu00411	DESIGNED - KMA	REVISED -
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	PLOT DATE = 4/19/2017	DATE - 4/19/17	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTERSECTION DETAIL
ALPINE ROAD AND RURAL STREET

SCALE: 1" = 20' | SHEET NO. OF SHEETS | STA. TO STA.

INT-08

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0412	14-00609-00-BR	WINNEBAGO	89	46
		CONTRACT NO. 85656		
	ILLINOIS FED. AID PROJECT			

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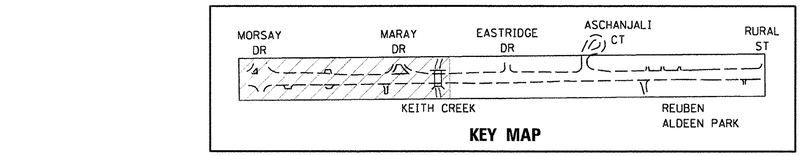

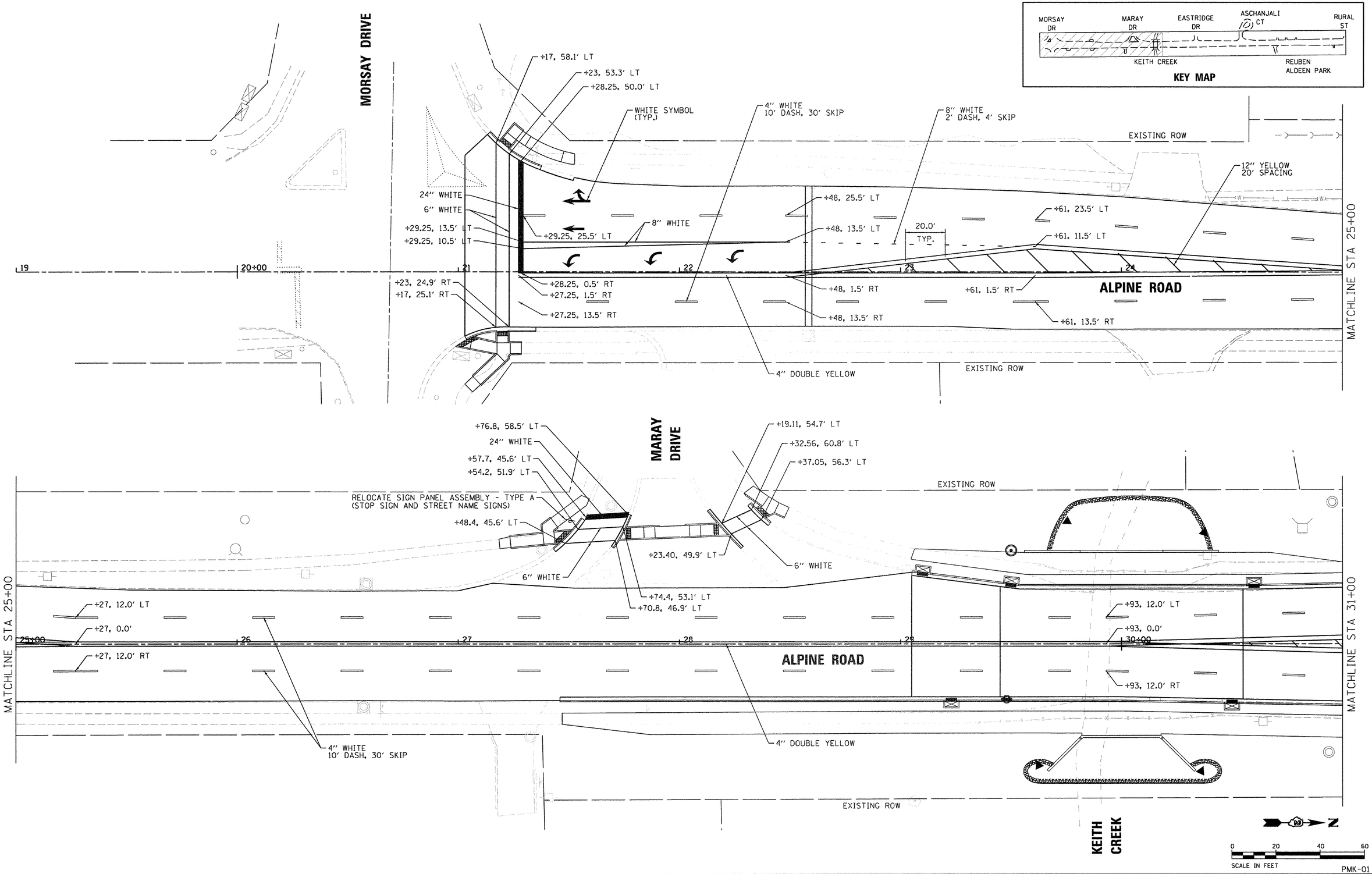

PMK-01

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DRAWN	MWH	4/18/17
REVIEWED	KMA	4/18/17

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	PLOT DATE = 4/21/2017	DATE - 4/19/17	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING AND SIGNING PLAN

SCALE: 1" = 20' | SHEET NO. OF SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0412	14-00609-00-BR	WINNEBAGO	89	47
		CONTRACT NO. 85656		
	ILLINOIS FED. AID PROJECT			

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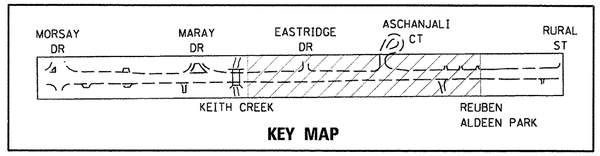

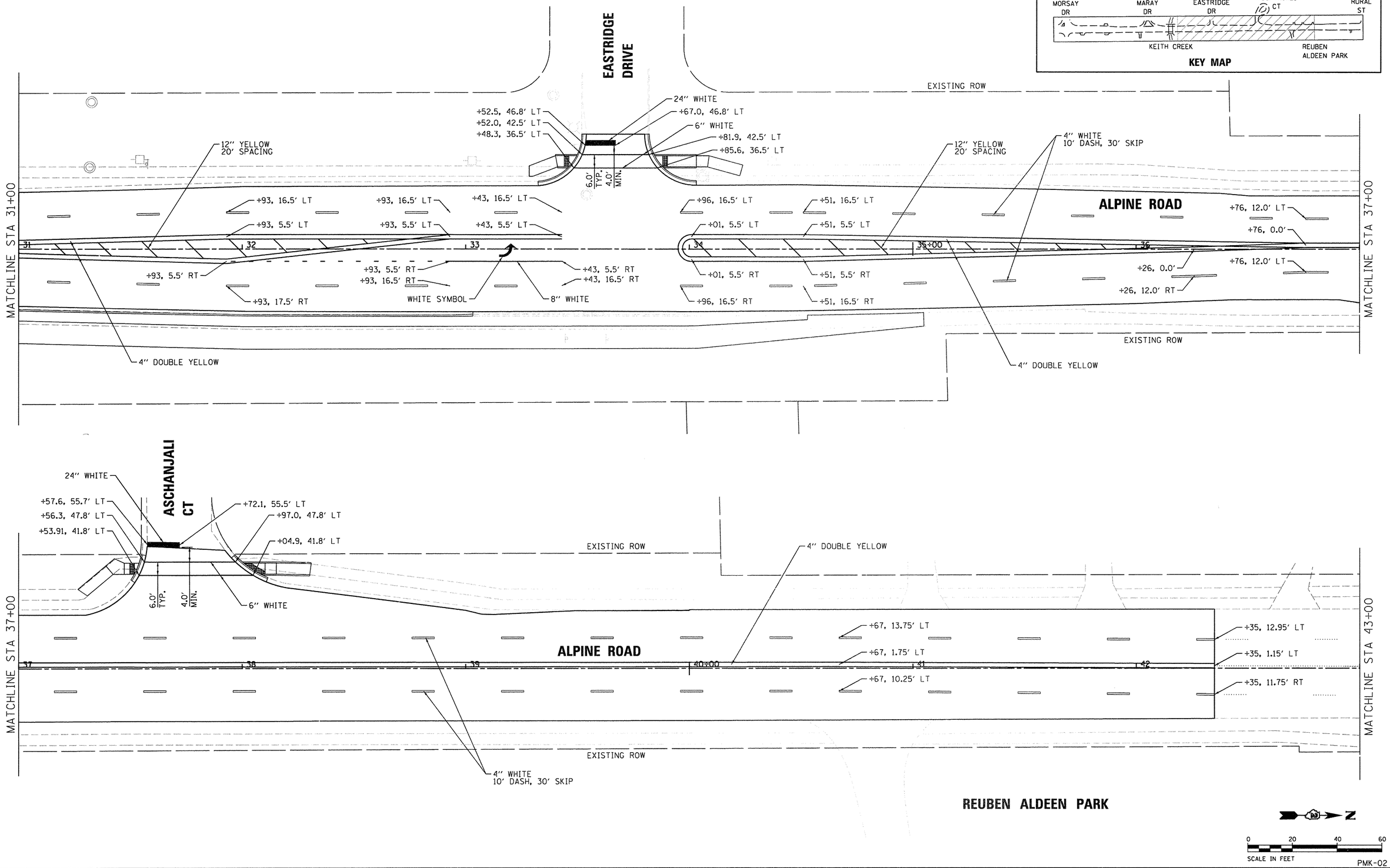

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING AND SIGNING PLAN

SCALE: 1" = 20' | SHEET NO. OF SHEETS | STA. | TO STA.

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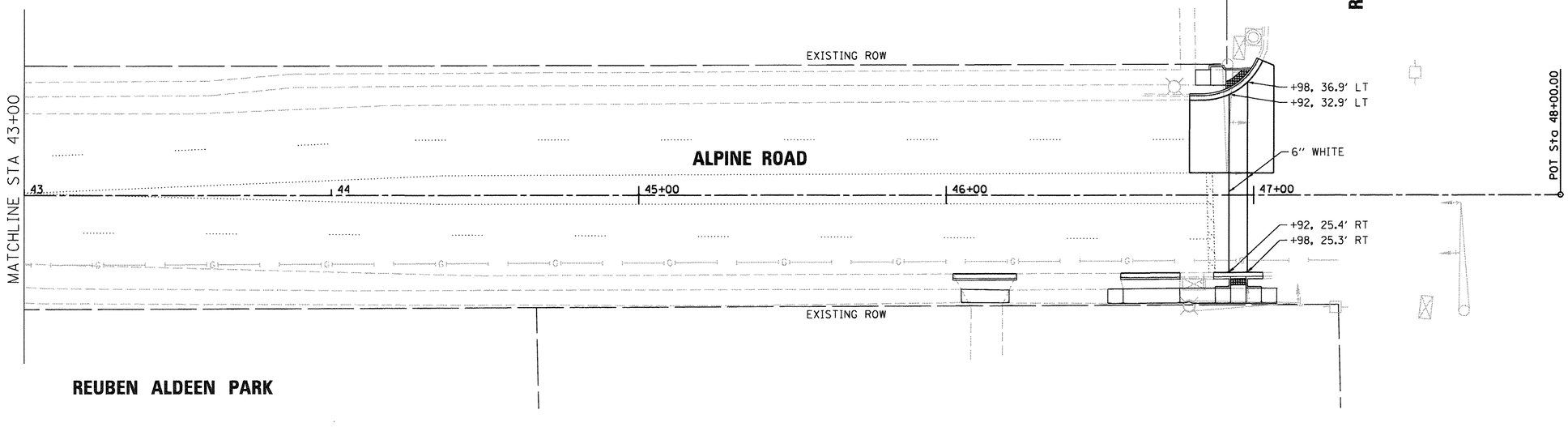
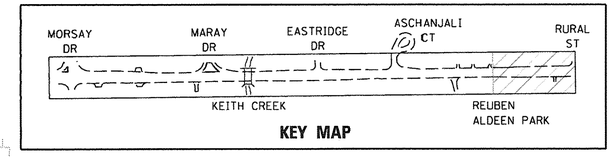
	ILLINOIS FED. AID PROJECT			





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DRAWN	MWH	4/18/17
REVIEWED	KMA	4/18/17

SCALE IN FEET 0 20 40 60

PMK-03

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING AND SIGNING PLAN

SCALE: 1" = 20' | SHEET NO. OF SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0412	14-00609-00-BR	WINNEBAGO	89	49
		CONTRACT NO. 85656		
	ILLINOIS FED. AID PROJECT			

TRAFFIC SIGNAL GENERAL NOTES

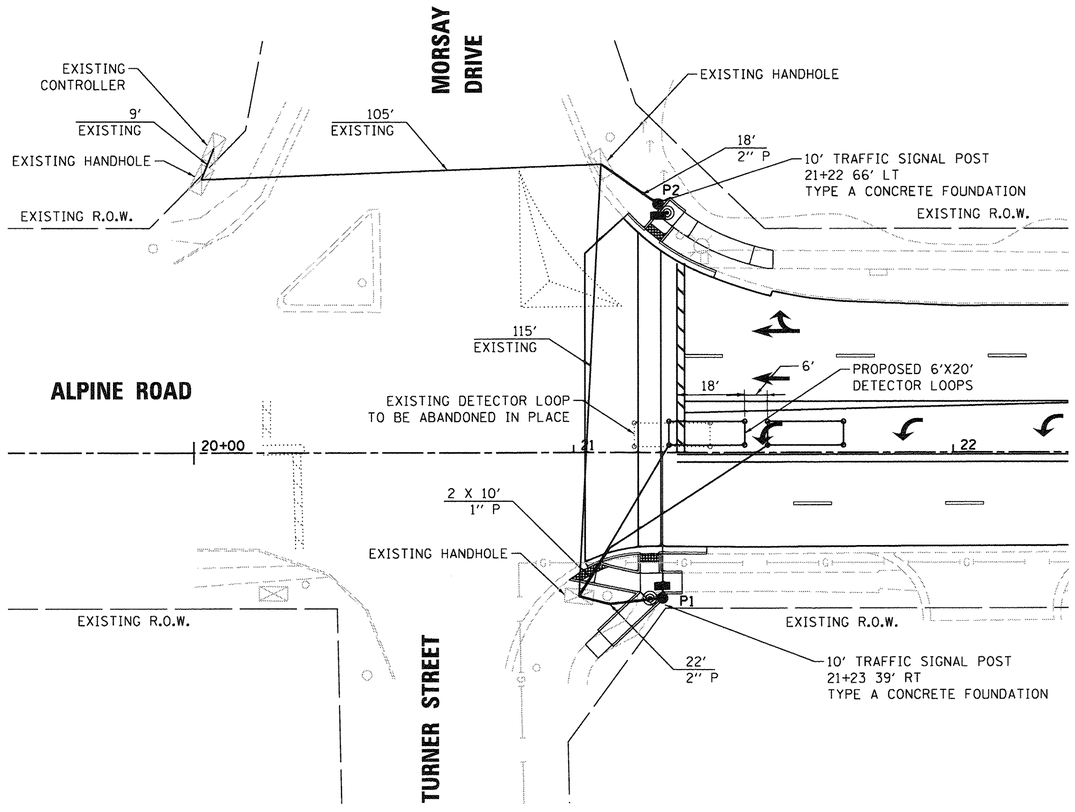
1. THE LOCATIONS FOR POST FOUNDATIONS ARE PROVIDED FOR REFERENCE ONLY. THE RESIDENT ENGINEER SHALL BE NOTIFIED FOR LOCATION VERIFICATION PRIOR TO INSTALLATION.
2. PEDESTRIAN PUSH BUTTONS SHALL BE LOCATED WITHIN 3" OF THE EDGE OF SIDEWALK.
3. THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL UNDERGROUND UTILITIES PRIOR TO BEGINNING CONSTRUCTION.
4. A 1/4" DIAMETER CONTINUOUS NYLON ROPE SHALL BE FURNISHED AND LEFT IN PLACE IN ALL CONDUITS BETWEEN HANDHOLES AND FOUNDATIONS OR CONTROLLER. THE ROPE COST SHALL BE INCLUDED IN THE COST OF THE RESPECTIVE CONDUIT PAY ITEM.
5. ALL EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL REMAIN AND BE USED IN PLACE, EXCEPT WHERE NOTED.
6. NO ADDITIONAL COMPENSATION SHALL BE ALLOWED FOR PLACING CONDUIT AT GREATER THAN 2' MINIMUM DEPTH OR IN AN INDIRECT ROUTE TO AVOID OBSTACLES SUCH AS UNDERGROUND UTILITIES.
7. THE CONTRACTOR IS RESPONSIBLE FOR THE COST OF UNCOVERING OR HAND DIGGING AROUND UTILITIES AS NECESSARY. THE COST OF THE WORK SHALL BE INCLUDED IN THE UNIT PRICES FOR THE CONDUITS.
8. ALL TRAFFIC SIGNAL POSTS SHALL BE GROUNDED IN ACCORDANCE WITH NEC REQUIREMENTS.
9. ALL CABLES SHALL RUN TO THE CONTROLLER. NO SPLICING WILL BE ALLOWED, EXCEPT AS SHOWN.
10. THE PROPOSED DETECTOR LOOP CABLE SHALL CONNECT TO THE EXISTING LEAD-IN CABLE PRESENT IN THE HANDHOLE THAT CONNECTS THE ABANDONED LOOP TO THE CONTROLLER.

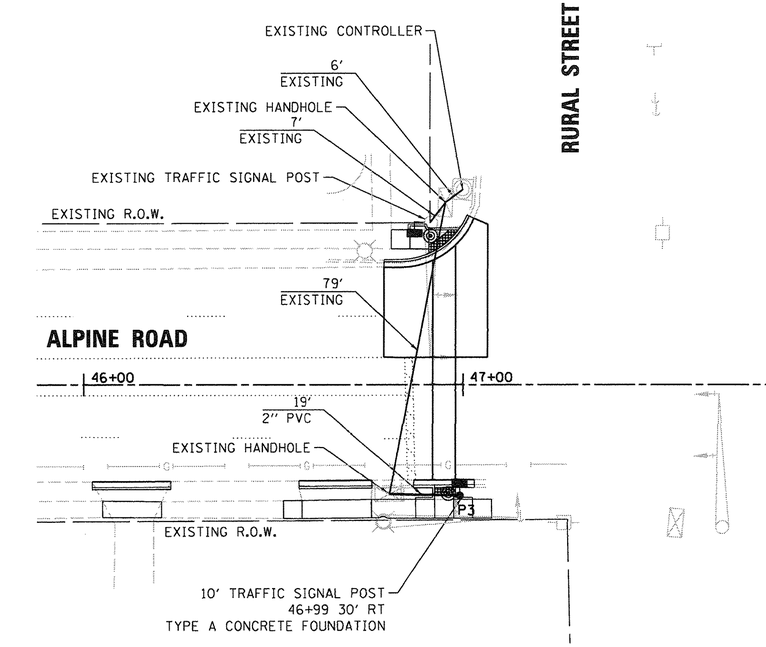
TRAFFIC SIGNAL SUMMARY OF QUANTITIES

PAY ITEM	DESCRIPTION	UNIT	QUANTITY
81028320	UNDERGROUND CONDUIT, PVC, 1" DIA.	FOOT	20
81028350	UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	59
85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	2
87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	597
87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	642
87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	88
87502440	TRAFFIC SIGNAL POST, GALVANIZED STEEL 10 FT.	EACH	3
87800100	CONCRETE FOUNDATION, TYPE A	FOOT	9
87900200	DRILL EXISTING HANDHOLE	EACH	5
88102825	PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, BRACKET MOUNTED WITH COUNT DOWN TIMER	EACH	4
88600100	DETECTOR LOOP, TYPE I	FOOT	216
88800100	PEDESTRIAN PUSH-BUTTON	EACH	4
89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	2
X0325839	SIGNAL TIMING	LSUM	2

TRAFFIC SIGNAL PLAN LEGEND

PROPOSED	DESCRIPTION
	PEDESTRIAN COUNTDOWN SIGNAL HEAD
	PUSH BUTTON
	CONDUIT
	TRAFFIC SIGNAL POST
45' / 2"–P	LENGTH / SIZE - TYPE (P=PVC E=EXISTING)





N
0 20 40 60
SCALE IN FEET

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DESIGNED	TMA	4/18/17
DRAWN	TMA	4/18/17
REVIEWED	JGK	4/18/17

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	PLOT DATE = 4/19/2017	DATE - 4/19/17	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL PLAN
MORSAY DRIVE AND RURAL STREET
SIGNAL PLAN

SCALE: 1" = 20' | SHEET NO. OF SHEETS | STA. | TO STA.

TS-1

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0412	14-00609-00-BR	WINNEBAGO	89	50
		CONTRACT NO. 85656		
	ILLINOIS FED. AID PROJECT			

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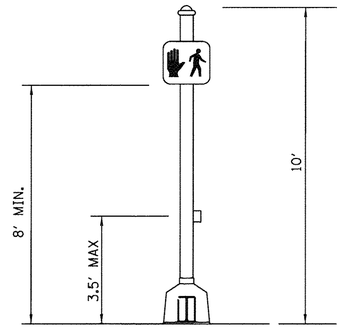
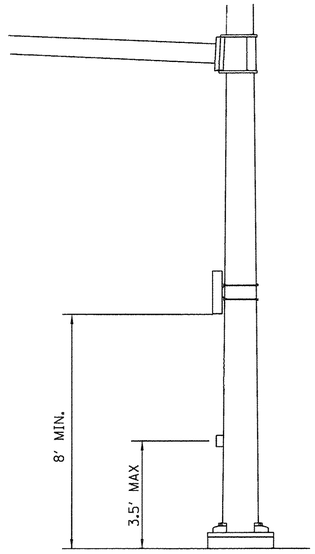
MUTCD R10-3

4 REQUIRED
9'' X 15''

NOTE:
R10-3 SIGN REQUIRED WITH EACH PUSH BUTTON.
TO BE PLACED ABOVE PUSH BUTTON AND ORIENTED TO DIRECTION OF CROSSWALK.



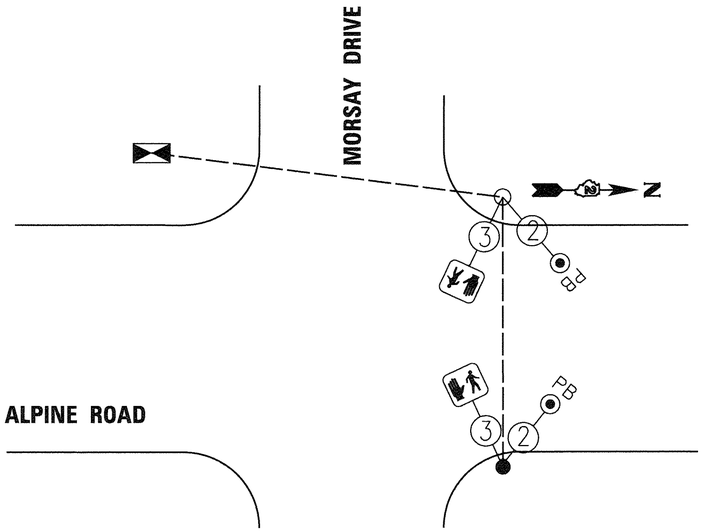
PROPOSED NE & NW SIGNAL POST AT MORSAY
PROPOSED SE SIGNAL POST AT RURAL

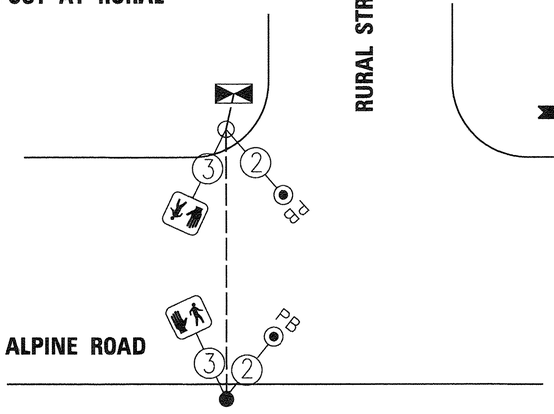


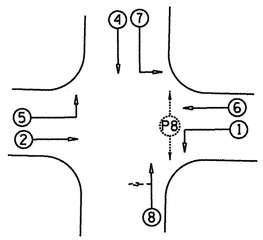
EXISTING SW SIGNAL POST AT RURAL

TRAFFIC SIGNAL WIRING DIAGRAM LEGEND

PROPOSED	DESCRIPTION
⑤	ELECTRIC CABLE DENOTING NUMBER OF CONDUCTORS
	PEDESTRIAN SIGNAL FACE
	CONTROLLER
	MAST ARM POLE OR SIGNAL POST
PB	PEDESTRIAN PUSH BUTTON

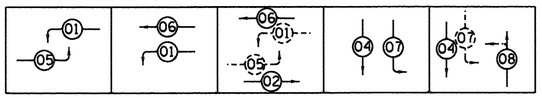






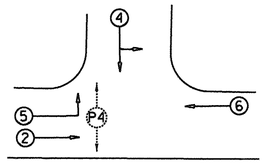
PHASE DESIGNATION DIAGRAM

PHASE SEQUENCE CHART



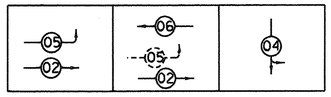
SUGGESTED TIMINGS AM(PM)

PHASE	1	2	3	4	5	6	7	8
MINIMUM GREEN	5	5		5	5	5	5	5
MAXIMUM 1	17(14)	29(23)		33(23)	10(10)	36(23)	11(13)	23(23)
YELLOW CHANGE	3.5	3.5		3.5	3.5	3.5	3.5	3.5
RED CLEARANCE	1	1		1	1	1	1	1
RECALL MODE	OFF	MAX		OFF	OFF	MAX	OFF	OFF
ACTUATED CYCLE LENGTH = 80								



PHASE DESIGNATION DIAGRAM

PHASE SEQUENCE CHART



SUGGESTED TIMINGS AM(PM)

PHASE	1	2	3	4	5	6	7	8
MINIMUM GREEN		5		5	5	5		
MAXIMUM 1		57(57)		23(23)	10(14)	47(43)		
YELLOW CHANGE		3.5		3.5	3.5	3.5		
RED CLEARANCE		1		1	1	1		
RECALL MODE		MAX		OFF	OFF	MAX		
ACTUATED CYCLE LENGTH = 80								

DESIGNED	TMA	4/18/17
DRAWN	TMA	4/18/17
REVIEWED	JGK	4/18/17

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL PLAN
MORSAY DRIVE AND RURAL STREET
CABLE PLAN AND DETAIL

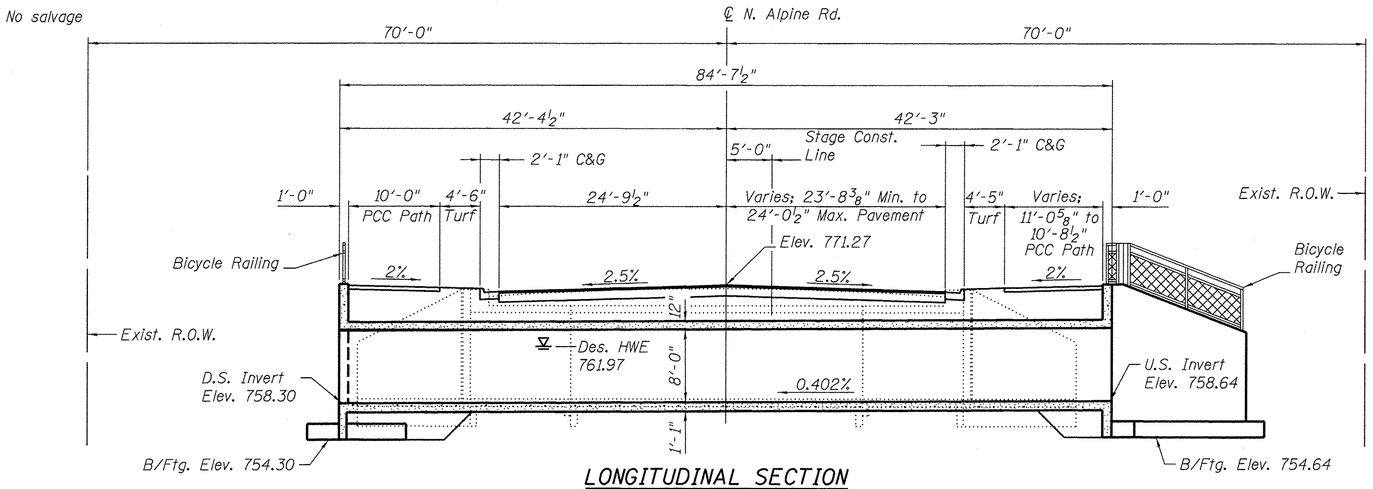
SCALE: 1'' = 20' | SHEET NO. OF SHEETS | STA. | TO STA.

TS-2

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0412	14-00609-00-BR	WINNEBAGO	89	51
		CONTRACT NO. 85656		
	ILLINOIS FED. AID PROJECT			

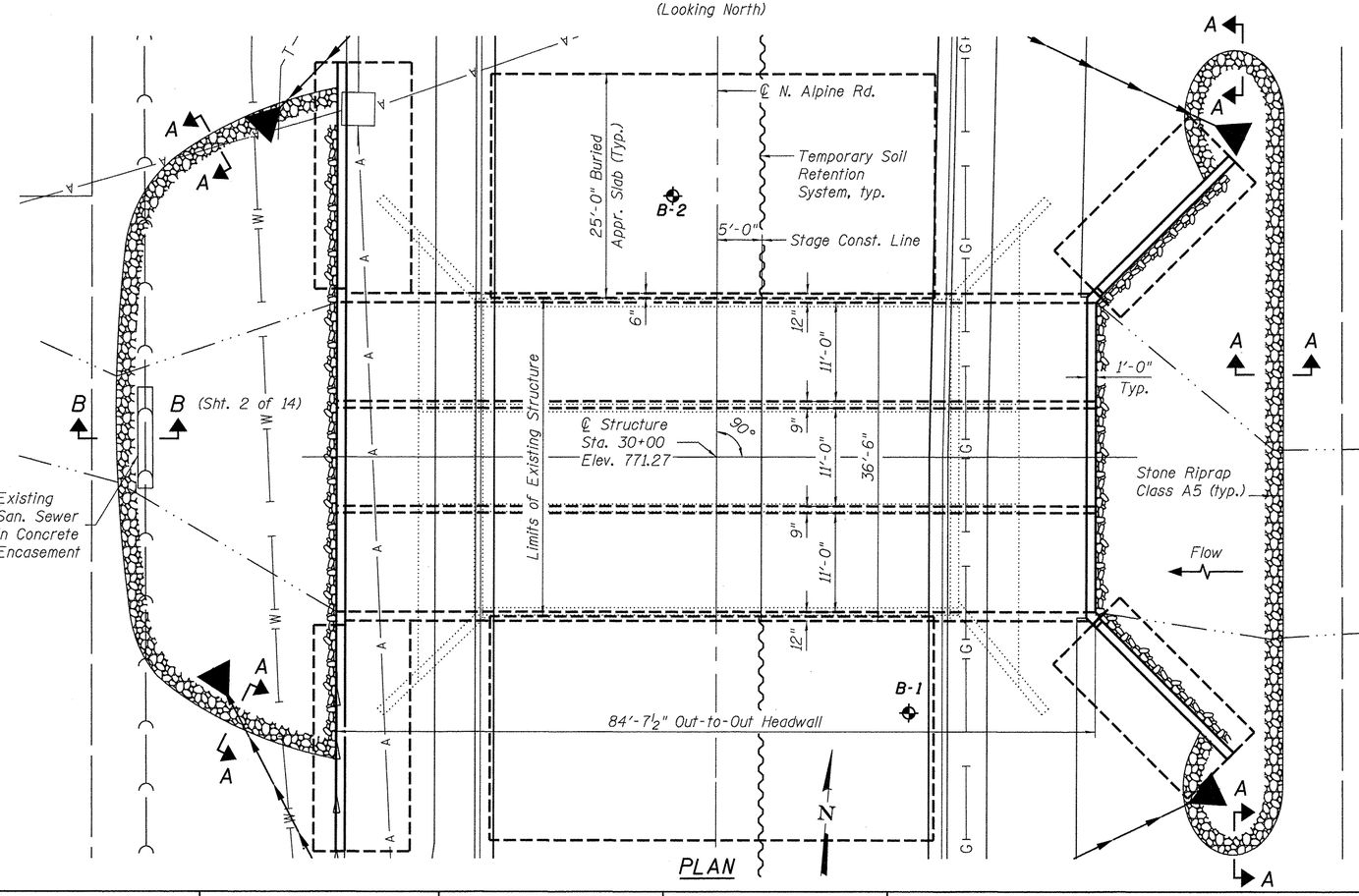
Bench Mark: Chiseled square, south end of east headwall bridge over Keith Creek on Alpine Rd. Elev. 770.33 (From existing plans)

Existing Structure: S.N. 101-6062 Built 1930 under Section 99-1. Existing structure is a three cell cast-in-place concrete box culvert. It was lengthened in 1957; out-to-out width 35'-8", top slab length 67'-0". The existing structure is to be removed and replaced with a three cell cast-in-place concrete box culvert utilizing stage construction.



LONGITUDINAL SECTION

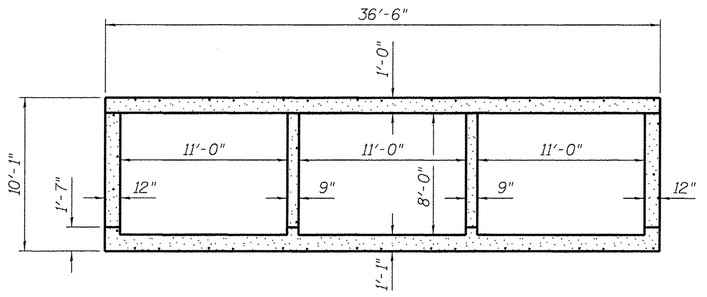
(Looking North)



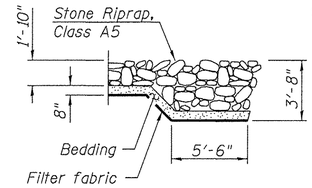
PLAN

WATERWAY INFORMATION

Drainage Area = 6.97 Square Miles						Roadway Elev. = 771.22			
Flood	Freq. Yr.	Q C.F.S.	Opening Sq. Ft. Exist.	Opening Sq. Ft. Prop.	Nat. H.W.E.	Head - Ft. Exist.	Head - Ft. Prop.	Headwater El. Exist.	Headwater El. Prop.
	10	270	50.8	54.7	761.34	0.65	0.53	761.99	761.87
Design	30	390	71.0	75.5	761.97	0.66	0.52	762.63	762.49
Base	100	1280	166.1	173.1	764.93	1.19	0.91	766.12	765.84



SECTION THRU BARREL



SECTION A-A

LOADING HL-93

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

DESIGN SPECIFICATIONS

2014 AASHTO LRFD Bridge Design Specifications, 7th Edition with 2015 & 2016 Interims

DESIGN STRESSES

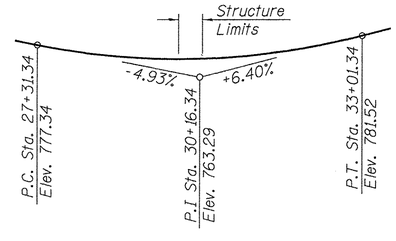
FIELD UNITS

f'c = 3,500 psi - typ. unless noted
f'c = 4,000 psi - Concrete Superstr. (Appr. Slab)
fy = 60,000 psi (Reinforcement)

Stuart M. Kemp
SIGNATURE
4/19/17
DATE

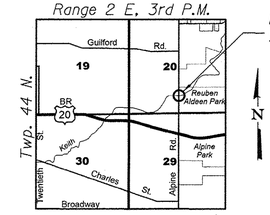
LIC. EXP. DATE : 11/30/18

"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 REQUIREMENTS OF THE CURRENT 'AASHTO STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES.'"



PROFILE GRADE

(Along ℄ roadway)



LOCATION SKETCH

GENERAL PLAN & ELEVATION
NORTH ALPINE ROAD OVER KEITH CREEK
FAP 0412 - SEC. 14-00609-00-BR
WINNEBAGO COUNTY
STATION 30+00
STRUCTURE NO. 101-6068

S-1

	JKL	1/6/17
DESIGNED	MGM	4/3/17
DRAWN	SMK	4/4/17
REVIEWED		

i:\V4\jobs\41011\3\CAD\Struct\Sheet\S-01-GP&E.dgn 4/18/2017 hussu0041l

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	PLOT DATE = 4/18/2017	CHECKED - 4/19/17	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL PLAN & ELEVATION
STRUCTURE NO. 101-6068
Sheet 1 of 14

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0412	14-00609-00-BR	WINNEBAGO	89	52
		CONTRACT NO. 85656		
		ILLINOIS FED. AID PROJECT		

INDEX OF SHEETS

1.	General Plan & Elevation
2.	General Notes, Total Bill of Materials & Details
3.	Stage Construction Plan
4.-6.	Box Culvert Structural Details
7.-8.	Bridge Approach Slab Details
9.-10.	Bicycle Railing Details
11.	Bar Splicer Assembly and Mechanical Splicer Details
12.	Temporary Concrete Barrier for Stage Construction
13.-14.	Boring Logs.

GENERAL NOTES

Reinforcement bars designated (E) shall be epoxy coated.

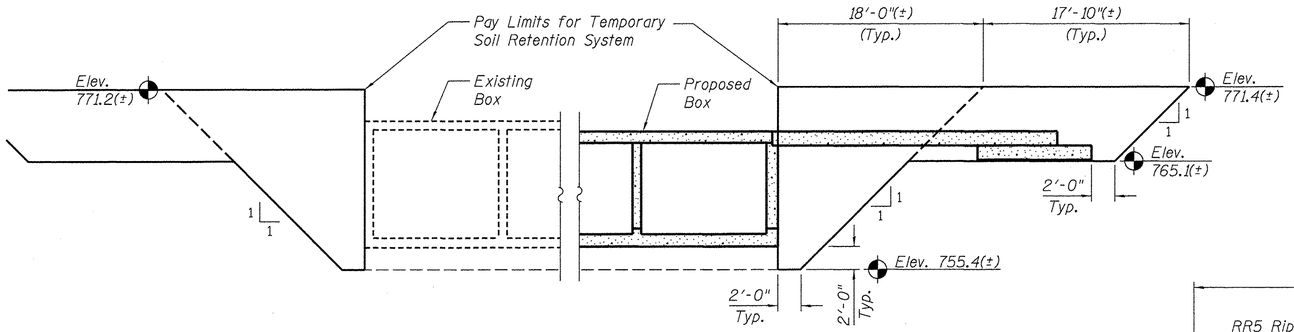
Layout of the slope protection system may be varied to suit ground conditions in the field as directed by the Engineer.

A cantilevered sheet piling design may be feasible. Regardless of the type of soil retention system selected, the Contractor shall submit a temporary soil retention system design including plan details and calculations for review and acceptance by the Engineer.

Protective coat shall be applied to top surface of headwalls and wingwalls.

TOTAL BILL OF MATERIAL

Item	Unit	Total
Stone Dumped Riprap, Class A5	Sq. Yd.	348
Filter Fabric	Sq. Yd.	348
Protective Coat	Sq Yd	19
Removal of Existing Structures	Each	1
Structure Excavation	Cu. Yd.	1984
Removal and Disposal of Unsuitable Material for Structures	Cu. Yd.	360
Concrete Structure	Cu. Yd.	34.3
Concrete Superstructure (Approach Slab)	Cu. Yd.	114.6
Paint Steel Railing	Foot	173
Reinforcement Bars	Pound	74,900
Reinforcement Bars, Epoxy Coated	Pound	51,710
Bar Splicers	Each	460
Bicycle Railing	Foot	173
Concrete Box Culverts	Cu. Yd.	466.4
Name Plates	Each	1
Temporary Soil Retention System	Sq. Ft.	545
Granular Backfill for Structures	Cu. Yd.	1660
Rock Fill	Ton	500



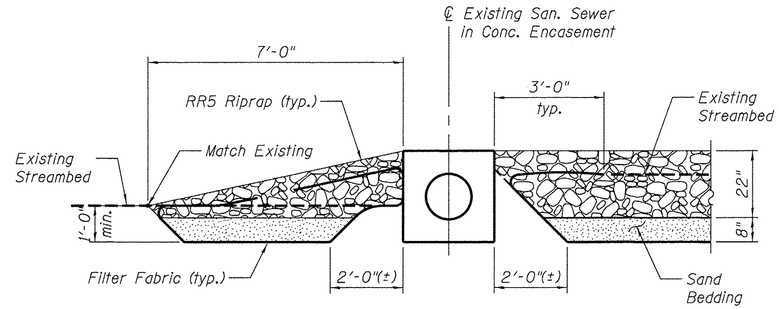
TEMPORARY SOIL RETENTION SYSTEM

Removal and reinstallation of the soil retention system will not be paid for separately, but shall be considered incidental to Temporary Soil Retention System.

KEITH CREEK
BUILT 201_ BY
CITY OF ROCKFORD
SEC. 14-00609-00-BR
F.A.P. RT. 0412 STA. 30+00
STR. NO. 101-6068 LOADING HL-93

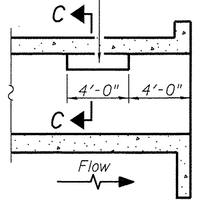
NAME PLATE

See Std. 515001

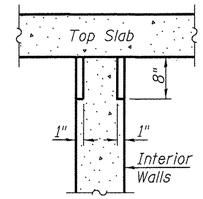


SECTION B-B

Notch formed by rough finished board attached to and removed with form work, each interior wall. (Do not chamfer).



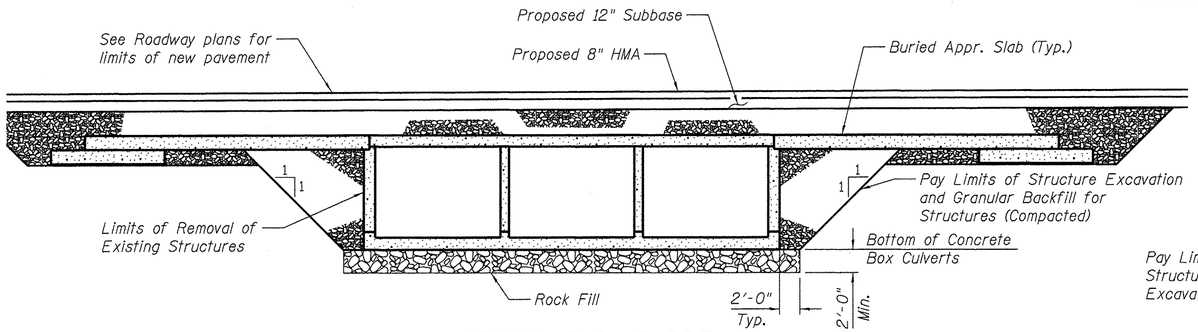
LONGITUDINAL SECTION



SECTION C-C

PHOEBE NESTING SITE DETAILS

(Downstream End Only)

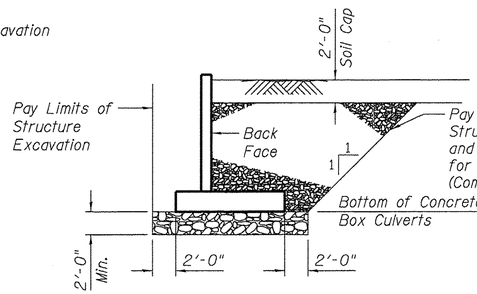


SECTION THRU BARREL

(Horiz. dim. at Rt. L's)

Notes:

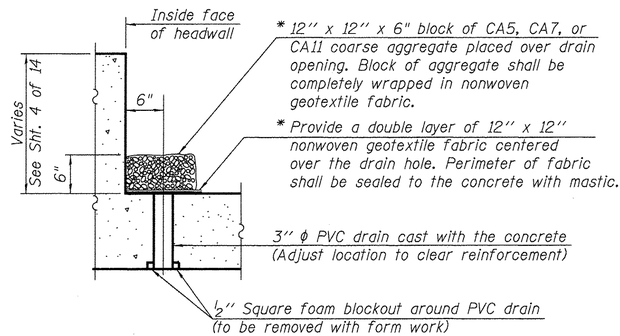
1. Provide 2 ft. minimum rock fill consisting of 1'-6" min. of CS02 capped with 6" of CA-07.
2. Excavation below bottom of Concrete Box Culverts shall be paid for as Removal and Disposal of Unsuitable Material for Structures. Backfill shall be paid for as Rock Fill. The excavated area below bottom of Concrete Box Culverts adjacent to the stage line shall be backfilled immediately following excavation of unsuitable material, as directed by the Engineer.
3. Granular Backfill for Structures shall extend the entire length of the box, maintaining 2 ft. of earth above the Porous Granular Embankment outside the roadway and PCC paths. Two feet of earth shall also be maintained for the turf between the roadway and the PCC path.



SECTION THRU WINGWALL

(Horiz. dim. at Rt. L's)

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



DRAIN DETAIL

(All costs associated with furnishing and constructing the above drain detail will not be measured for payment but shall be included in the contract unit price for the associated work.)
See Sht. 4 of 14 for drain locations.

DESIGNED	JKL	1/6/17
DRAWN	MGM	4/3/17
REVIEWED	SMK	4/4/17

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		CHECKED - SMK	REVISED -
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	PLOT DATE = 4/20/2017	CHECKED - 4/19/17	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES, TOTAL BILL OF MATERIALS & DETAILS
STRUCTURE NO. 101-6068
Sheet 2 of 14

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0412	14-00609-00-BR	WINNEBAGO	89	53
		CONTRACT NO. 85656		
	ILLINOIS FED. AID PROJECT			

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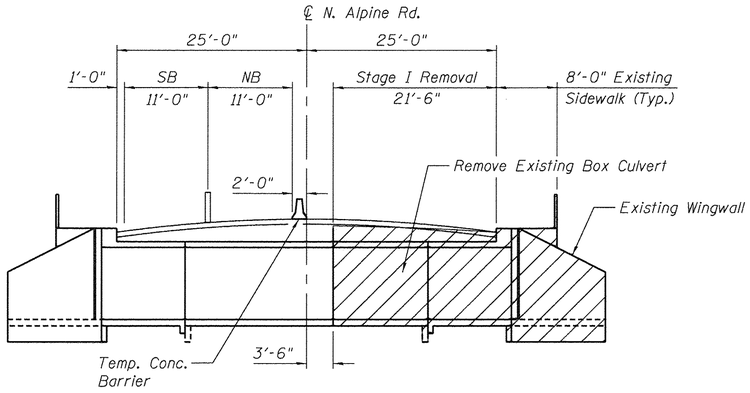
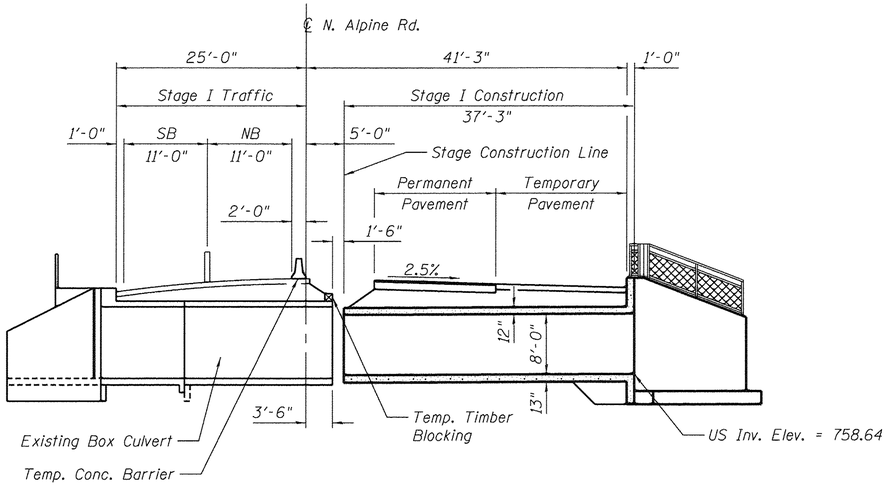


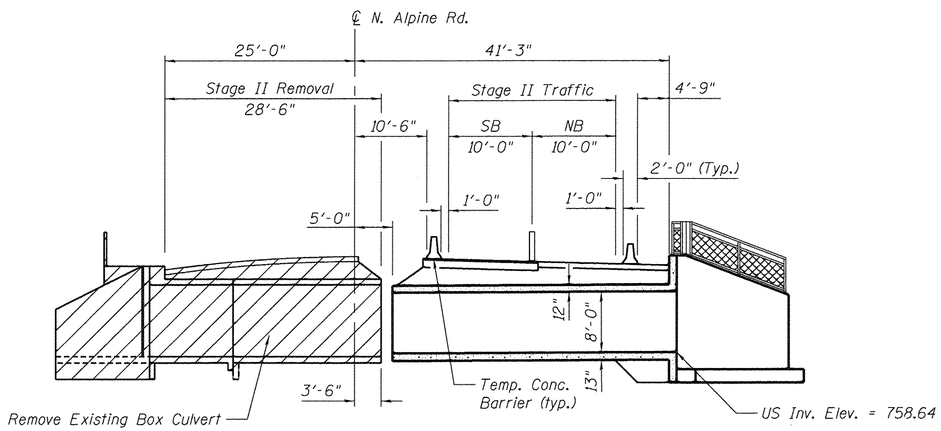
STAGE I REMOVAL

(Looking North)



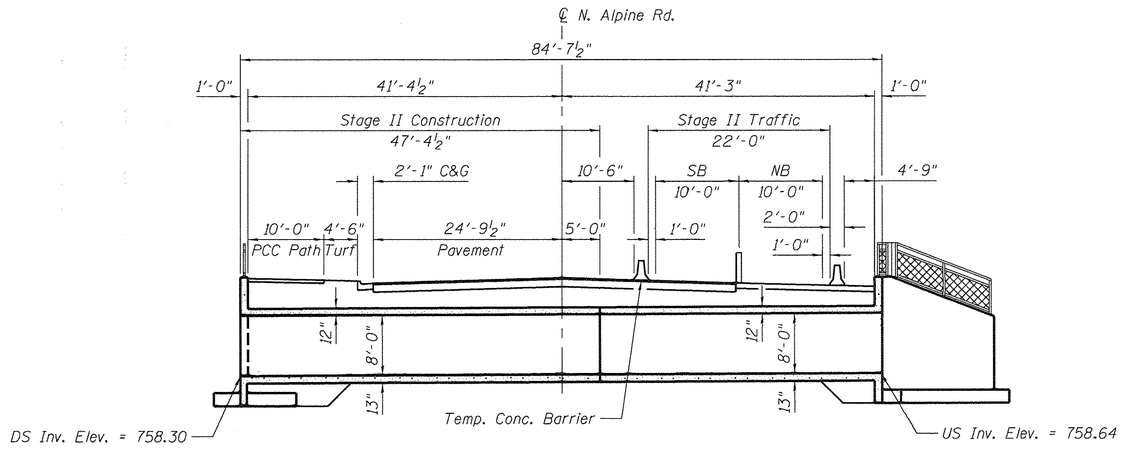
STAGE I CONSTRUCTION

(Looking North)



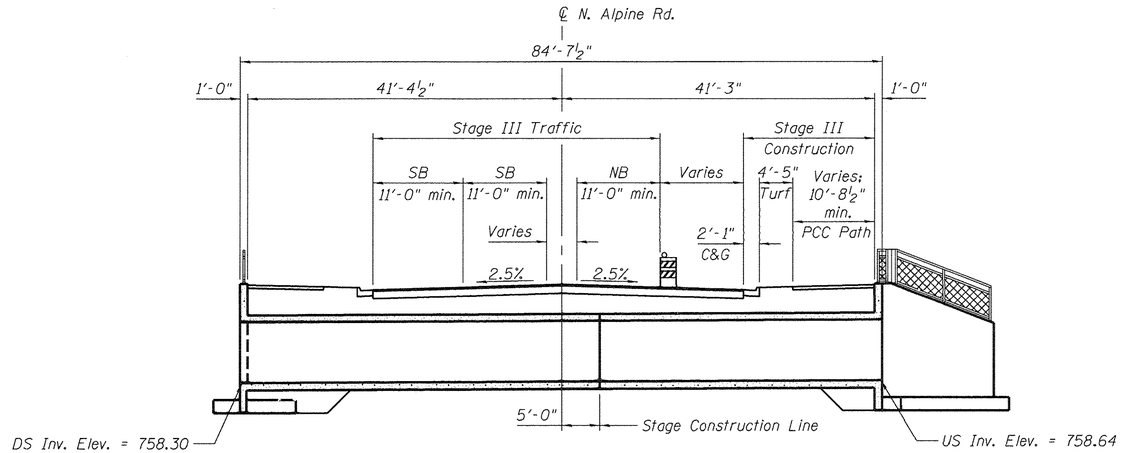
STAGE II REMOVAL

(Looking North)



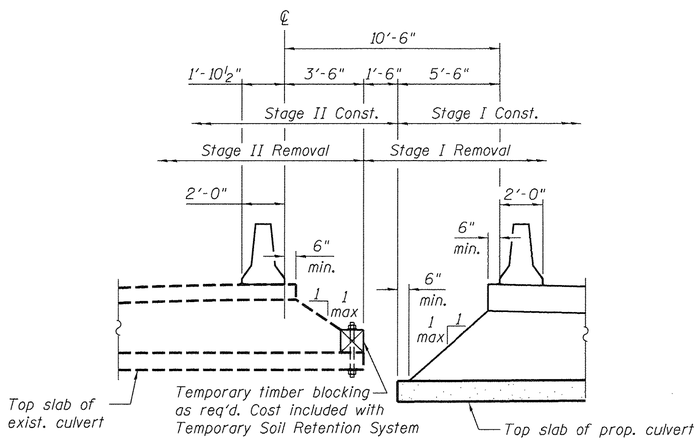
STAGE II CONSTRUCTION

(Looking North)



STAGE III CONSTRUCTION

(Looking North)



DESIGNED JKL 1/6/17
DRAWN MGM 4/3/17
REVIEWED SMK 4/4/17

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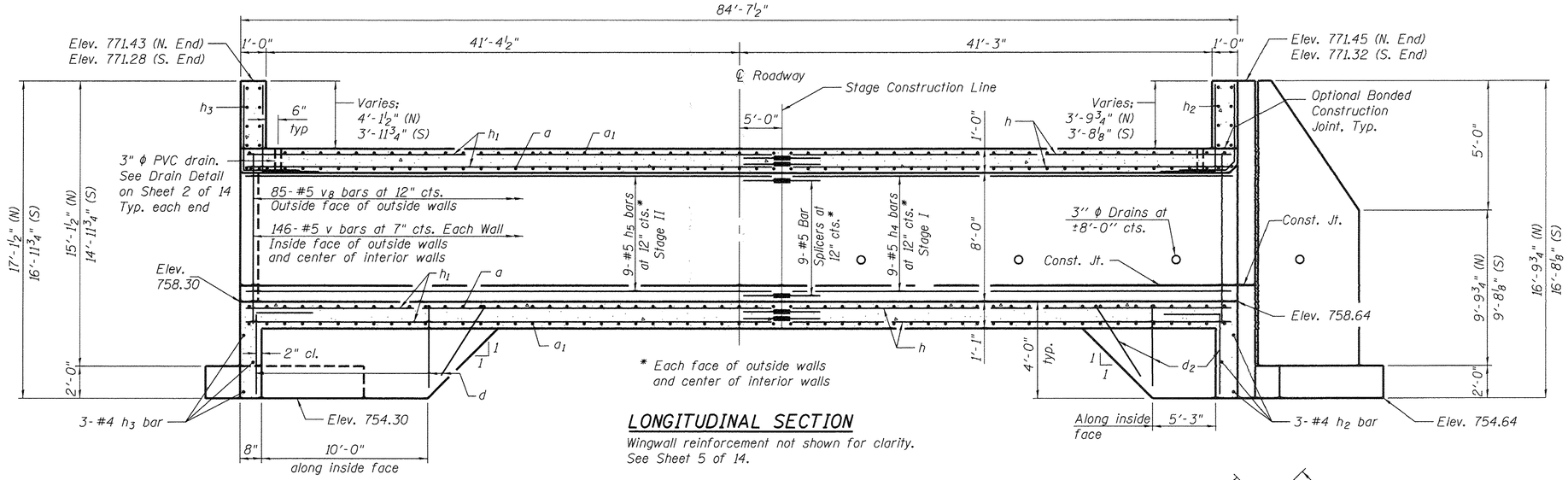
PLOT DATE = 4/18/2017
DESIGNED - JKL
CHECKED - SMK
DRAWN - MGM
CHECKED - 4/19/17
REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STAGE CONSTRUCTION PLAN
STRUCTURE NO. 101-6068
Sheet 3 of 14

S-3

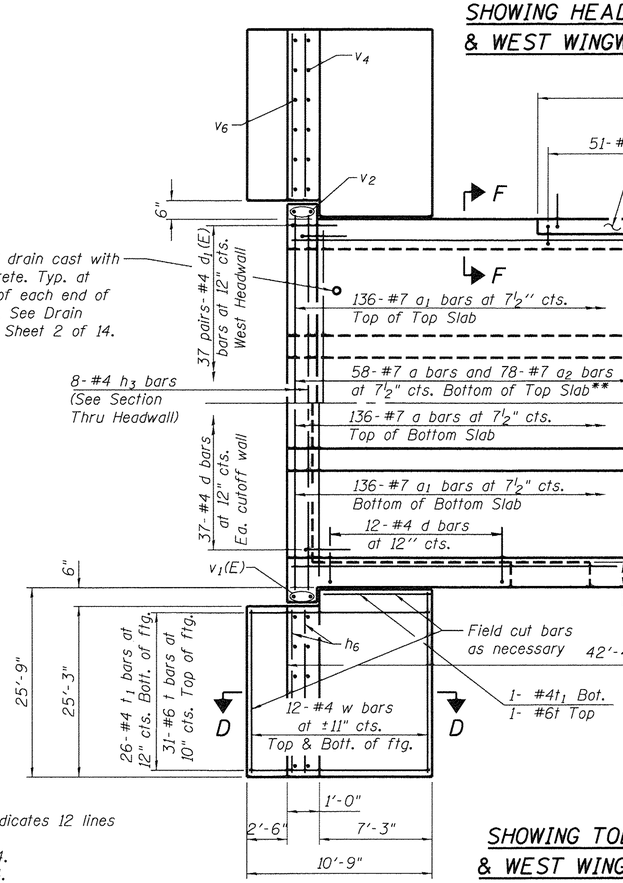
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0412	14-00609-00-BR	WINNEBAGO	89	54
		CONTRACT NO. 85656		
	ILLINOIS FED. AID PROJECT			



LONGITUDINAL SECTION

Wingwall reinforcement not shown for clarity.
See Sheet 5 of 14.

SHOWING HEADWALL & WEST WINGWALLS

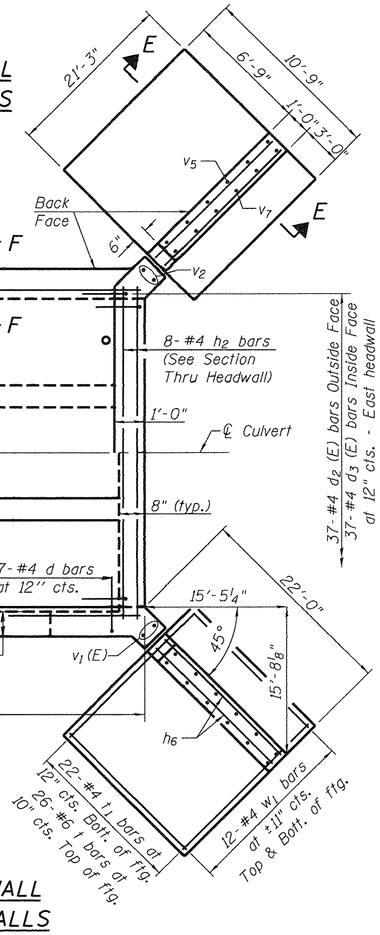


** Use a_2 bars adjacent to Approach Slab notch.

SHOWING TOEWALL & WEST WINGWALLS

PLAN

SHOWING HEADWALL & EAST WINGWALLS



SHOWING TOEWALL & EAST WINGWALLS

Notes:
Bars indicated thus 12 x 4-#5 etc. indicates 12 lines of bars with 4 lengths per line.
For sections D and E see sht. 5 of 14.
For sections F and G see sht. 6 of 14.

	JKL	1/6/17
DESIGNED	MQM	4/3/17
DRAWN	SMK	4/4/17
REVIEWED		

I:\4 Jobs\41201\3CADS\Struct\Sheet\S-04-Culvert Details-1.dgn 4/18/2017 hussu00411

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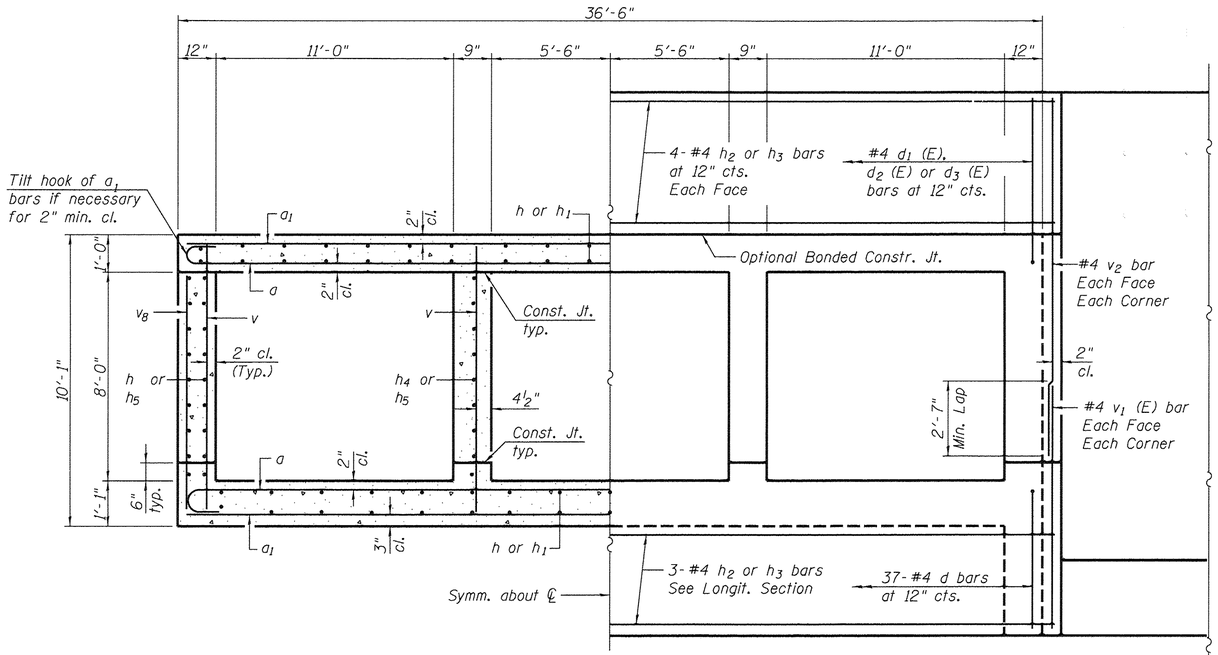
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BOX CULVERT STRUCTURAL DETAILS
STRUCTURE NO. 101-6068
Sheet 4 of 14

S-4

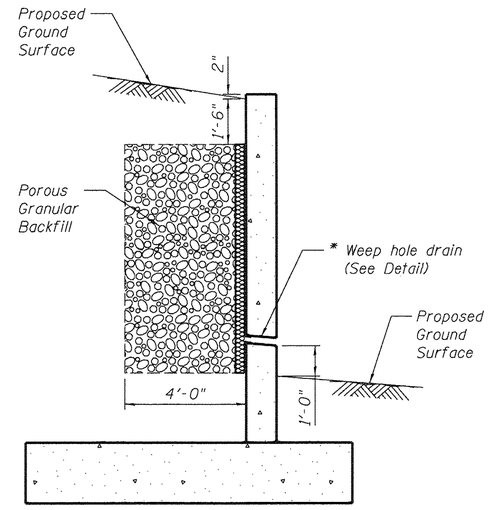
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0412	14-00609-00-BR	WINNEBAGO	89	55
		CONTRACT NO. 85656		
	ILLINOIS FED. AID PROJECT			



HALF SECTION THRU BARREL

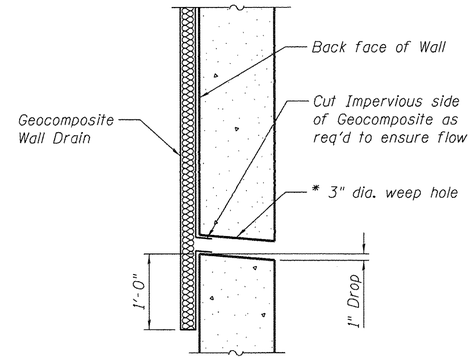
HALF ELEVATION AT END

(W. End shown; E. End sim.)



Note:
Additional Porous Granular Backfill and Geocomposite Wall Drain behind weep holes shall not be measured seperately, but shall be considered incidental to Concrete Box Culverts.

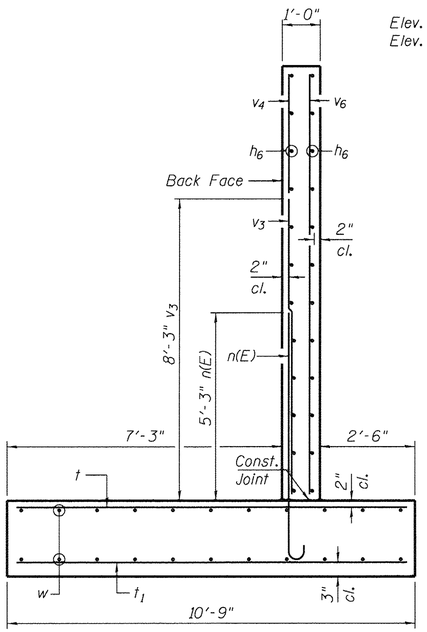
WEEP HOLE DRAIN DETAIL



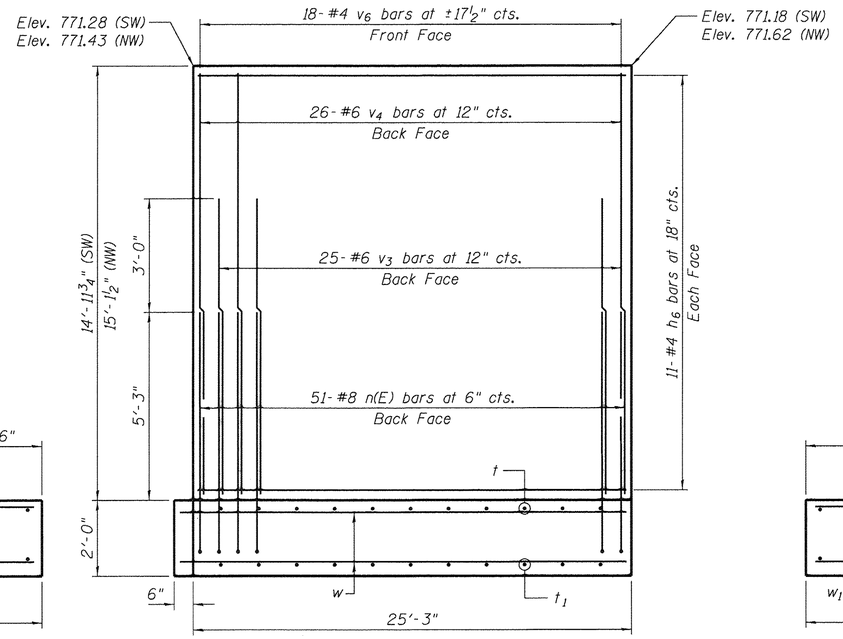
TYPICAL WEEP HOLE DRAIN DETAIL

* Weep hole spacing shall be at ±8'-0" horizontally

** See Cutting Diagram on Sht. 6 of 14

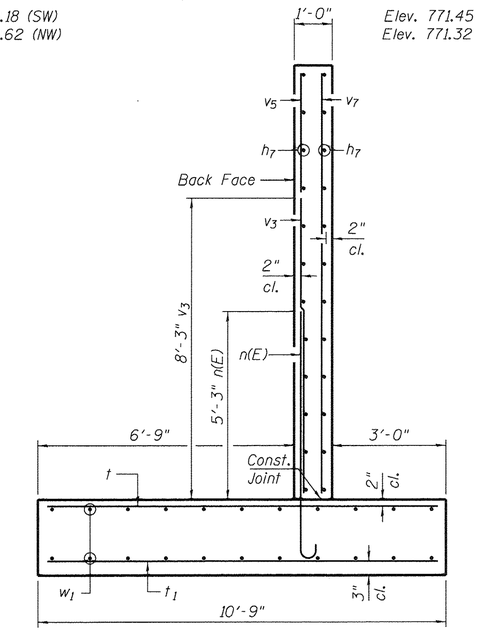


SECTION D-D

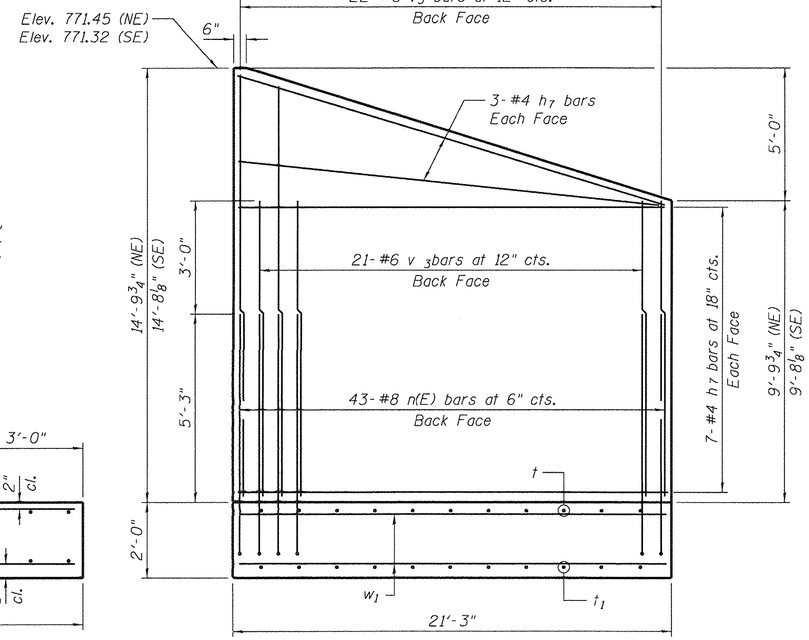


ELEVATION SW WING

(Looking East; NW Wing sim.)



SECTION E-E



ELEVATION NE WING

(Looking NW; SE Wing sim.)

S-5

	JKL	MGM	SMK
DESIGNED	1/6/17		
DRAWN	4/3/17		
REVIEWED	4/4/17		

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		CHECKED - SMK	REVISED -
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BOX CULVERT STRUCTURAL DETAILS
STRUCTURE NO. 101-6068
Sheet 5 of 14

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0412	14-00609-00-BR	WINNEBAGO	89	56
		CONTRACT NO. 85656		
	ILLINOIS FED. AID PROJECT			

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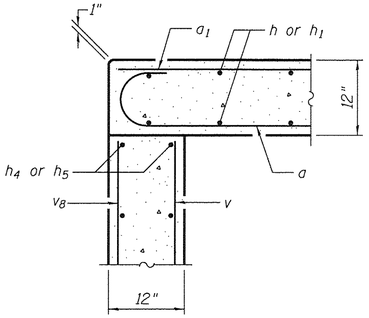
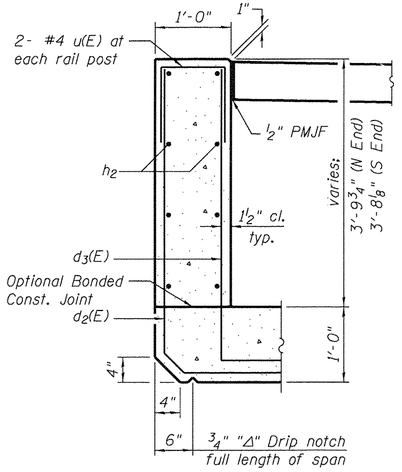
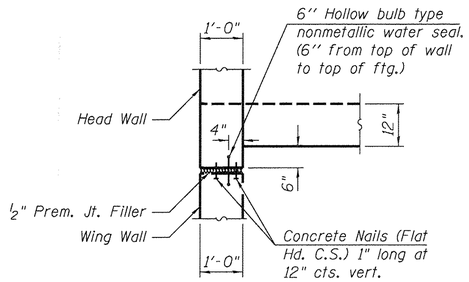


SECTION F-F

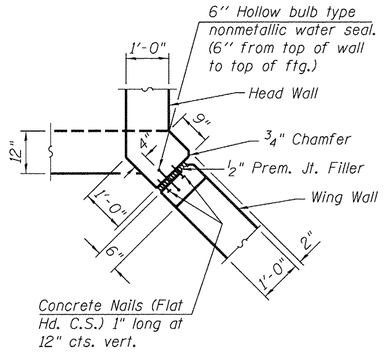


UPSTREAM (EAST END)



CORNER DETAIL

(West Wings)



CORNER DETAIL

(East Wings)

Bar	No.	Size	Length	Shape
a	116	#7	37'-10"	
a_1	272	#7	36'-2"	
a_2	156	#7	36'-10"	
d	112	#4	5'-6"	
d_1(E)	74	#4	6'-5"	
d_2(E)	37	#4	6'-3"	
d_3(E)	37	#4	6'-1"	
d_4(E)	98	#5	4'-0"	
h	148	#5	36'-9"	
h_1	148	#5	47'-1"	
h_2	11	#4	35'-8"	
h_3	11	#4	37'-2"	
h_4	36	#5	36'-11"	
h_5	36	#5	47'-1"	
h_6	44	#4	24'-11"	
h_7	40	#4	21'-0"	
n(E)	188	#8	7'-11"	
t	116	#6	10'-5"	
t_1	98	#4	10'-5"	
u(E)	64	#4	2'-9"	
u_1	98	#5	5'-4"	
v	584	#5	9'-9"	
v_1(E)	8	#4	7'-3"	
v_2	8	#4	11"-11"	
v_3	92	#6	8'-3"	
v_4	52	#6	14'-9"	
v_5	22	#6	23'-10"	
v_6	36	#4	14'-9"	
v_7	15	#4	23'-10"	
v_8	170	#5	8'-8"	
w	48	#4	25'-5"	
w_1	48	#4	20'-11"	
Concrete Box Culverts		Cu. Yd.	466.4	
Reinforcement Bars		Pound	74,900	
Reinforcement Bars, Epoxy Coated		Pound	5,160	

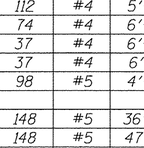
BILL OF MATERIAL

FIELD CUTTING DIAGRAM - v5 & v7 BARS

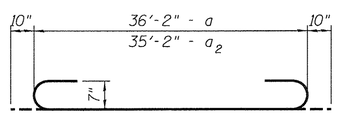
Order bars shown full length. Cut as shown and use remainder of bars in opposite wingwall.

BAR u(E) & BAR u_1

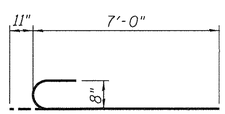
BAR d



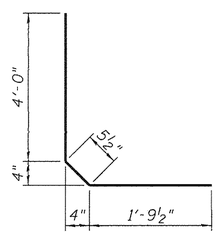
BAR d_1 (E)



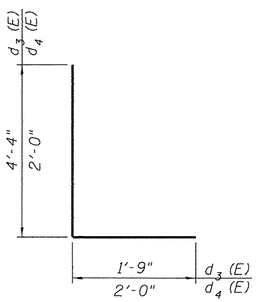
BAR a & BAR a_2



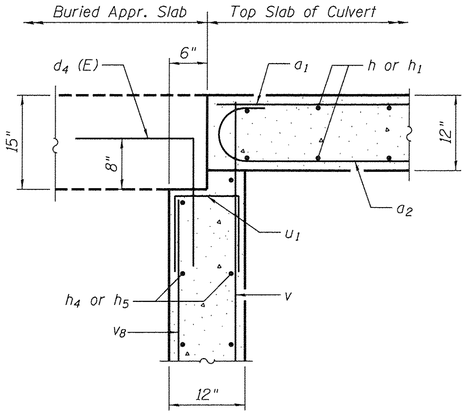
BAR n(E)



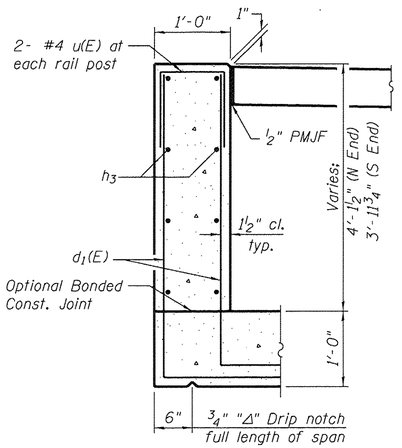
BAR d_2 (E)



BAR d_3 (E) & BAR d_4 (E)



SECTION G-G



DOWNSTREAM (WEST END)

SECTION THRU HEADWALL

DESIGNED	JKL	1/6/17
DRAWN	MGM	4/3/17
REVIEWED	SMK	4/4/17

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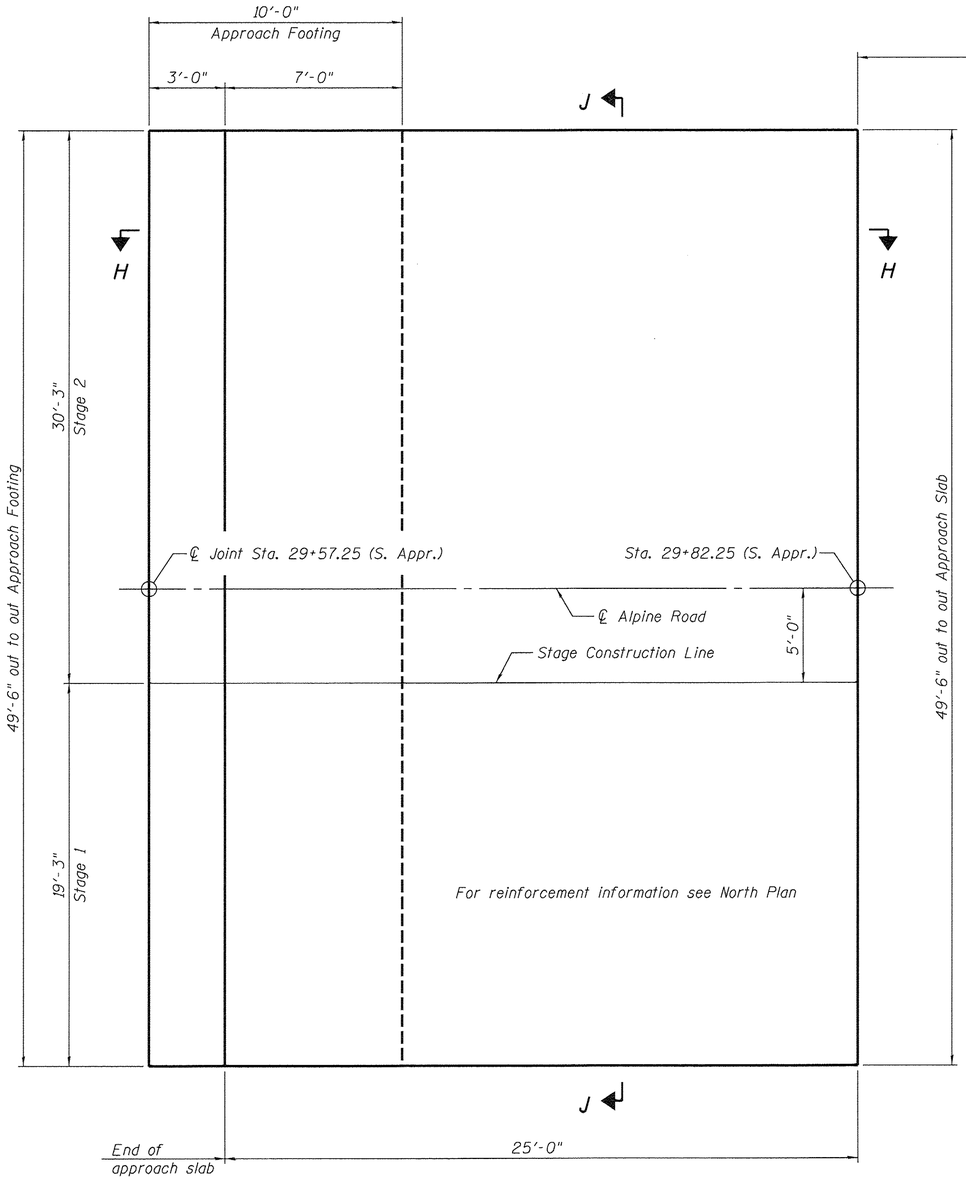
	PLOT DATE = 4/18/2017	CHECKED - 4/19/17	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

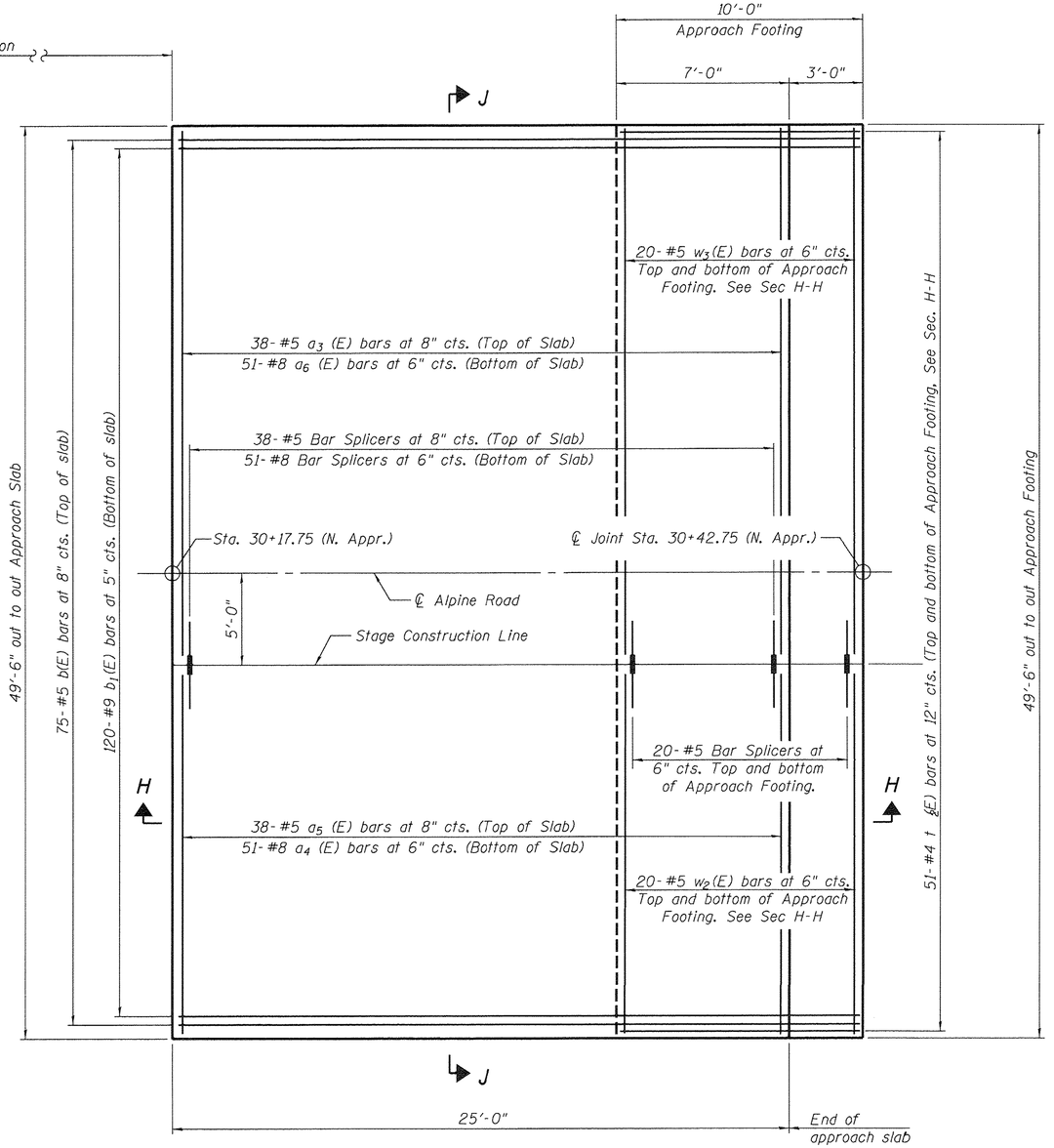
BOX CULVERT STRUCTURAL DETAILS
STRUCTURE NO. 101-6068
Sheet 6 of 14

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0412	14-00609-00-BR	WINNEBAGO	89	57
		CONTRACT NO. 85656		
		ILLINOIS FED. AID PROJECT		

Notes:
See sheet 8 of 14 for Sections H-H and J-J.
a_3 (E) thru a_6 (E) bar spacings measured along ℄ Roadway.



SOUTH APPROACH SLAB



NORTH APPROACH SLAB

N

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DRAWN	MGM	4/3/17
REVIEWED	SMK	4/4/17

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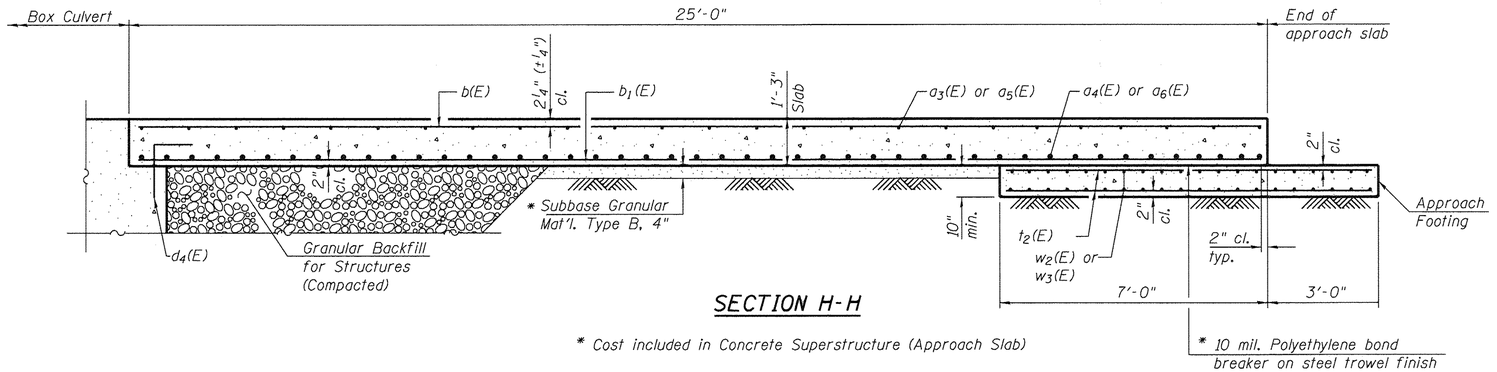
	PLOT DATE = 4/18/2017	CHECKED - 4/19/17	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BRIDGE APPROACH SLAB DETAILS
STRUCTURE NO. 101-6068
Sheet 7 of 14

S-7

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0412	14-00609-00-BR	WINNEBAGO	89	58
		CONTRACT NO. 85656		
	ILLINOIS FED. AID PROJECT			

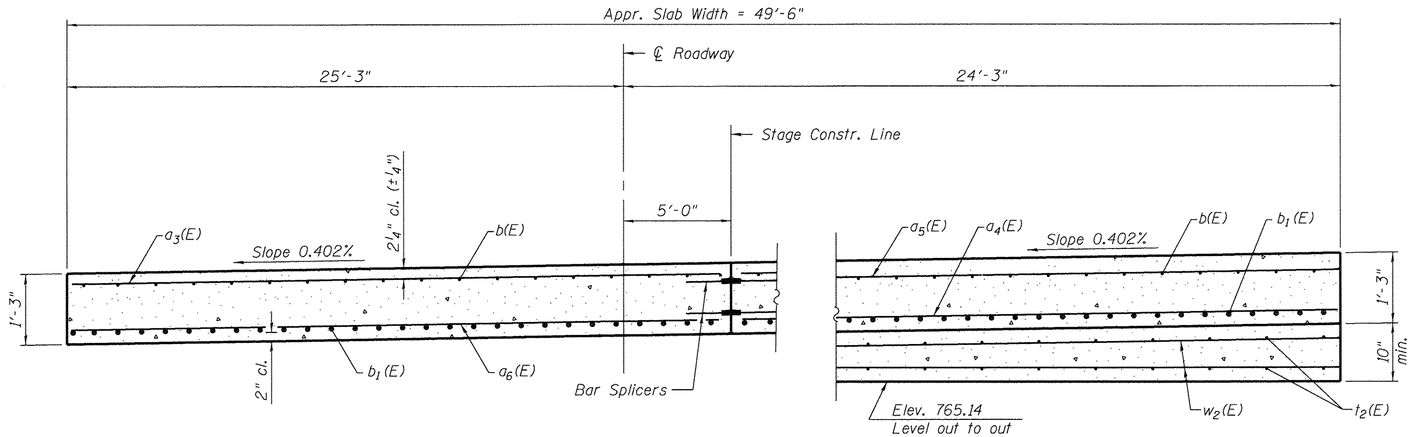


SECTION H-H

* Cost included in Concrete Superstructure (Approach Slab)

Notes:

Approach slab shall be paid for as Concrete Superstructure (Approach Slab).
Approach footing concrete shall be paid for as Concrete Structures.
Reinforcement shall be paid for as Reinforcement Bars, Epoxy Coated.
For $d_4(E)$ bar detail, see sheet 6 of 14.
The approach footing maximum applied service bearing pressure (Qmax) = 2.0 ksf.
For bar splicer details, see sheet 11 of 14.
Cost of excavation for approach footing included with Concrete Structures.
For Granular Backfill for Structures and drainage treatment details, see sheet 2 of 14.



NEAR CULVERT

AT APPROACH FOOTING

SECTION J-J

(See Plan for dimensions not shown)
(Looking North)

TWO APPROACHES BILL OF MATERIAL

Bar	No.	Size	Length	Shape
$a_3(E)$	76	#5	29'-11"	———
$a_4(E)$	102	#8	18'-11"	———
$a_5(E)$	76	#5	18'-11"	———
$a_6(E)$	102	#8	29'-11"	———
b(E)	150	#5	24'-8"	———
$b_1(E)$	240	#9	24'-8	———
$t_2(E)$	204	#4	9'-8"	———
$w_2(E)$	80	#5	18'-11"	———
$w_3(E)$	80	#5	29'-11"	———
Concrete Superstructure (Approach Slab)		Cu. Yd.	114.6	
Concrete Structures		Cu. Yd.	34.3	
Reinforcement Bars, Epoxy Coated		Pound	46,550	

	JKL	1/6/17
	MGM	4/3/17
	SMK	4/4/17
DESIGNED		
DRAWN		
REVIEWED		

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CHECKED - SMK
DRAWN - MGM
CHECKED - 4/19/17

REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BRIDGE APPROACH SLAB DETAILS
STRUCTURE NO. 101-6068
Sheet 8 of 14

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0412	14-00609-00-BR	WINNEBAGO	89	59
		CONTRACT NO. 85656		
	ILLINOIS FED. AID PROJECT			

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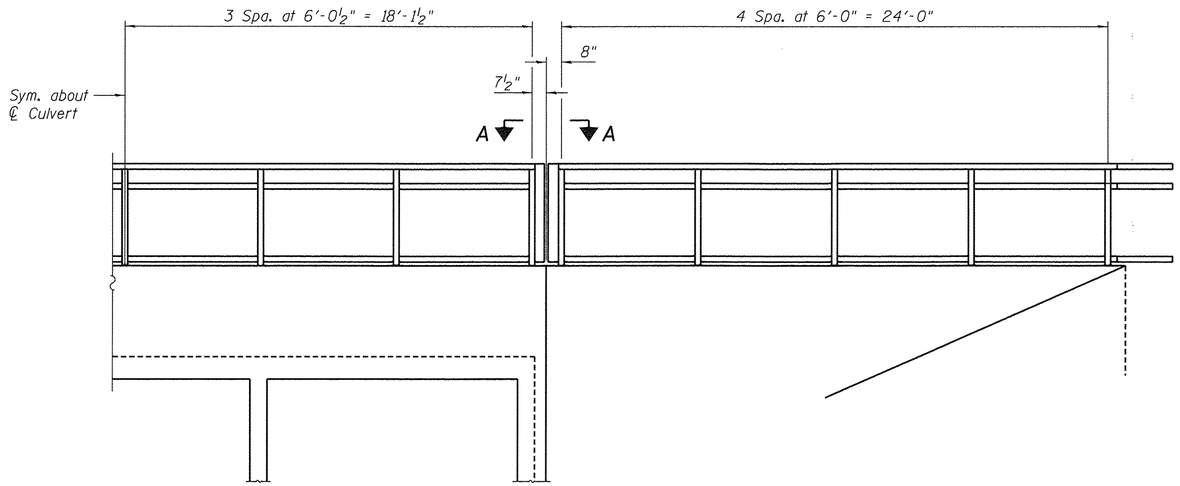
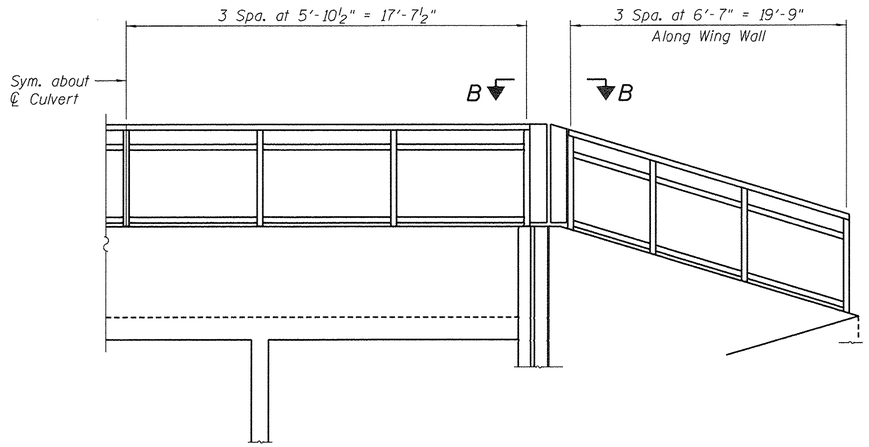


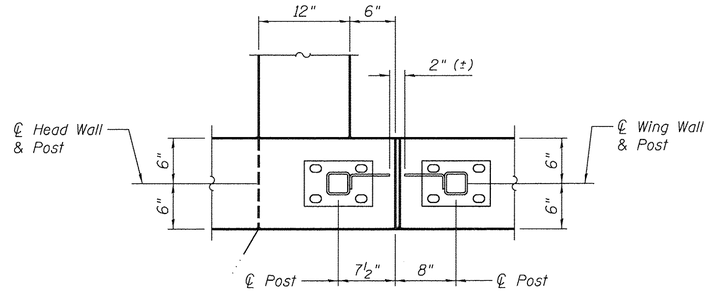
BICYCLE RAILING POST SPACING - WEST SIDE

(Looking East)

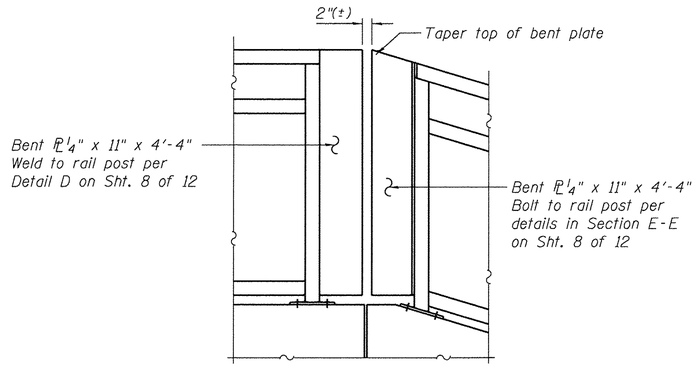


BICYCLE RAILING POST SPACING - EAST SIDE

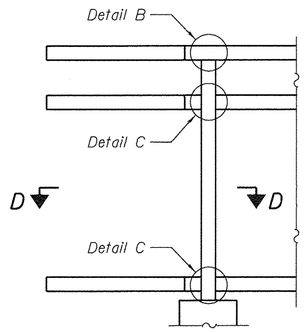
(Looking West)



SECTION A-A

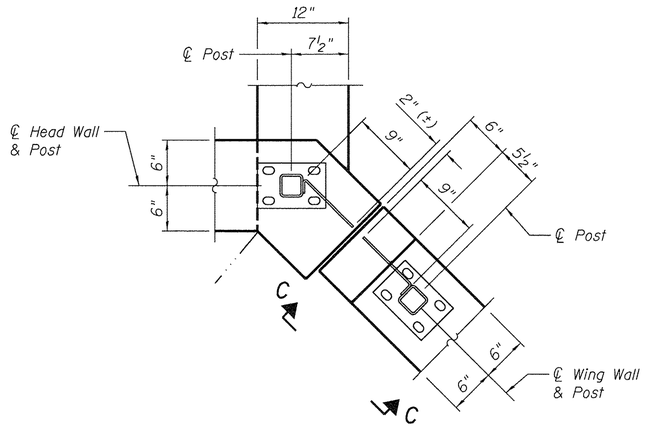


SECTION C-C

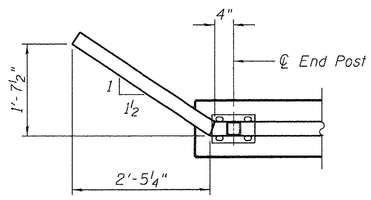


ELEVATION AT END POST ON WEST WING WALLS

(SW post shown; NW post similar)



SECTION B-B



SECTION D-D

DESIGNED	JKL	1/6/17
DRAWN	MGM	4/3/17
REVIEWED	SMK	4/4/17

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		CHECKED - SMK	REVISED -
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	PLOT DATE = 4/18/2017	CHECKED - 4/19/17	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BICYCLE RAILING DETAILS
STRUCTURE NO. 101-6068
Sheet 9 of 14

S-9

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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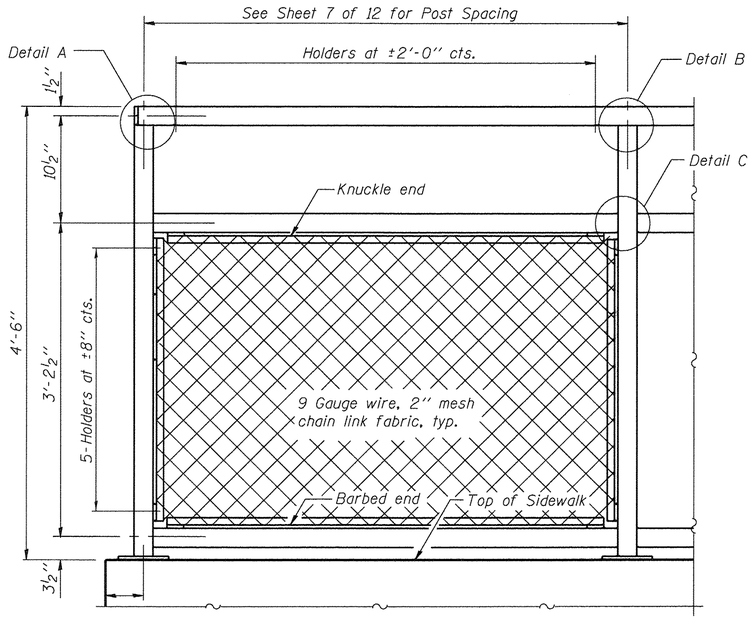
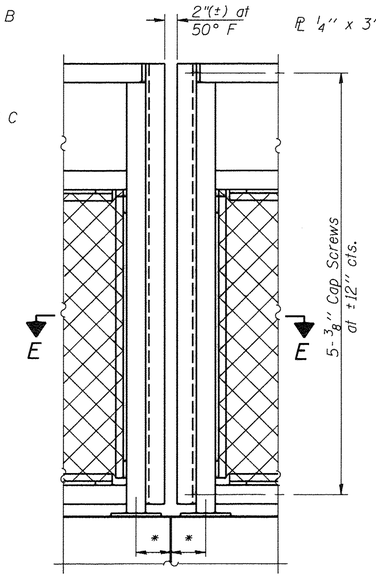
		CONTRACT NO. 85656		
	ILLINOIS FED. AID PROJECT			

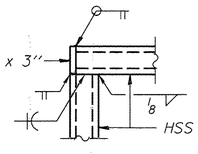


BICYCLE RAILING

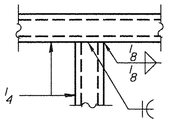


BICYCLE RAILING

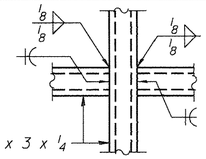
* Varies; see Section A-A and Section B-B on Sht. 7 of 12.



DETAIL A



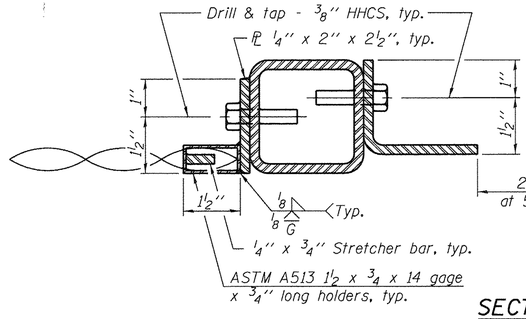
DETAIL B



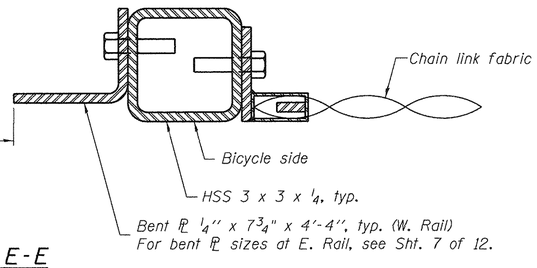
DETAIL C

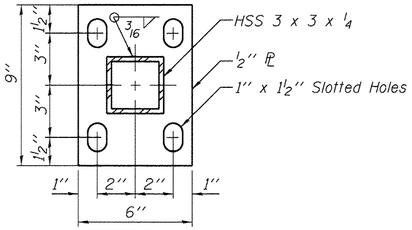
All steel rail elements shall be galvanized according to Article 509.05 of the Standard Specifications.

See Special Provision for Paint Steel Railing.

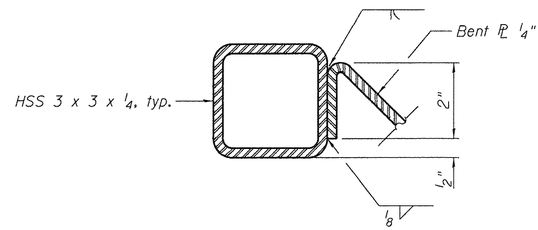


SECTION E-E

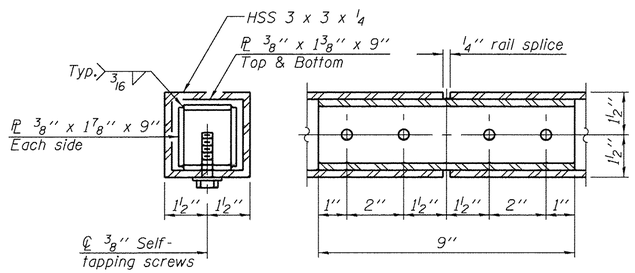




BASE PL



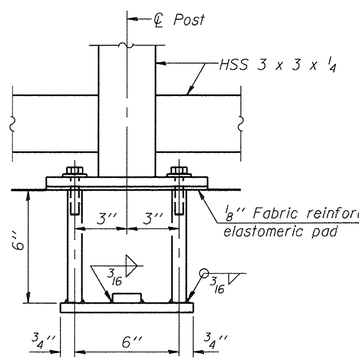
DETAIL D

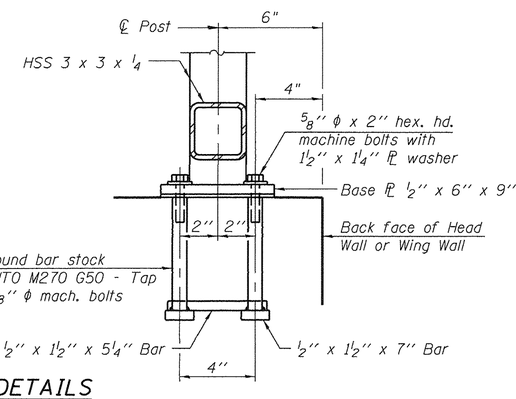


RAIL SPLICE

Notes:

All structural steel tubing, post and railing, for parapet railing shall be CVN tested according to 1006.34(b) of the Standard Specifications.





ANCHOR BOLT DETAILS

In lieu of the cast-in-place anchor device shown, the Contractor has the option of drilling and setting ⅝" ϕ anchor rods according to Article 509.06 of the Standard Specifications. Embedment shall be according to the manufacturer's specifications.

BILL OF MATERIAL

Item	Unit	Quantity
Bicycle Railing	Foot	173

S-10

DESIGNED	JKL	1/6/17
DRAWN	WQW	4/3/17
REVIEWED	SMK	4/4/17

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BICYCLE RAILING DETAILS
STRUCTURE NO. 101-6068
Sheet 10 of 14

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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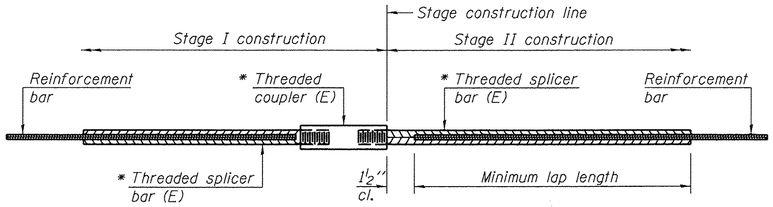
		CONTRACT NO. 85656		
	ILLINOIS FED. AID PROJECT			

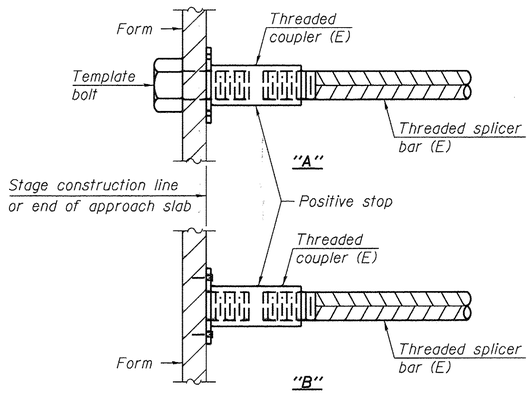


STANDARD BAR SPLICER ASSEMBLY

Threaded splicer bar length = min. lap length + 1½" + thread length

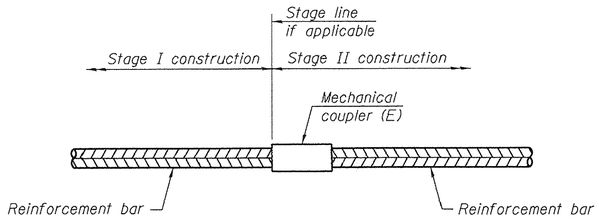
* Epoxy not required on Bar Splicer Assembly components used in conjunction with black bars.

Location	Bar size	No. assemblies required	Minimum lap length
Culvert Top Slab	#5	74	2'-2"
Culvert Walls	#5	54	2'-9"
Culvert Bottom Slab	#5	74	2'-2"
Bott. of Appr. Slab	#8	102	4'-9"
Appr. Slab Ftg.	#5	80	2'-2"
Top of Appr. Slab	#5	76	3'-4"



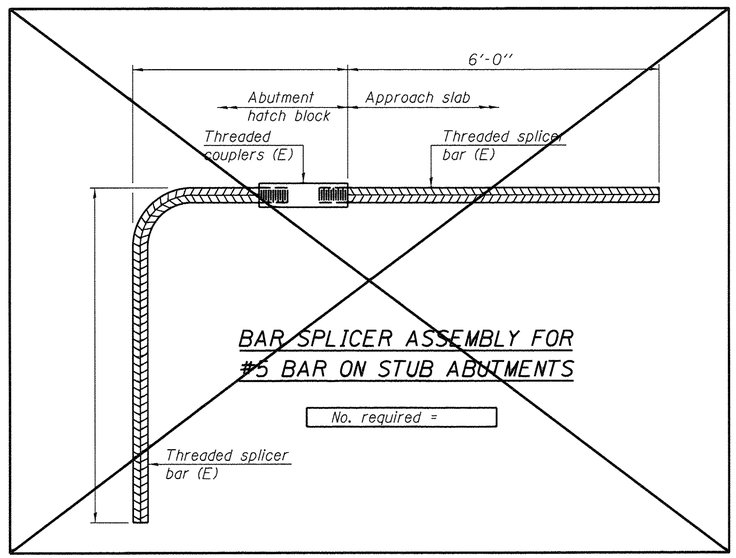
INSTALLATION AND SETTING METHODS

"A" : Set bar splicer assembly by means of a template bolt.
"B" : Set bar splicer assembly by nailing to wood forms or cementing to steel forms.
(E) : Indicates epoxy coating.



STANDARD MECHANICAL SPLICER

Location	Bar size	No. assemblies required



NOTES

Splicer bars shall be deformed with threaded ends and have a minimum 60 ksi yield strength.

All reinforcement shall be lapped and tied to the splicer bars.

Bar splicer assemblies shall be epoxy coated according to the requirements for reinforcement bars. See Section 508 of the Standard Specifications.

See approved list of bar splicer assemblies and mechanical splicers for alternatives.

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DESIGNED	JKL	1/6/17
DRAWN	MGM	4/3/17
REVIEWED	SMK	4/4/17

BSD-1

6-8-15

S-11

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BAR SPLICER ASSEMBLY AND MECHANICAL-SPLICER DETAILS
STRUCTURE NO. 101-6068
Sheet 11 of 14

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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		CONTRACT NO. 85656		
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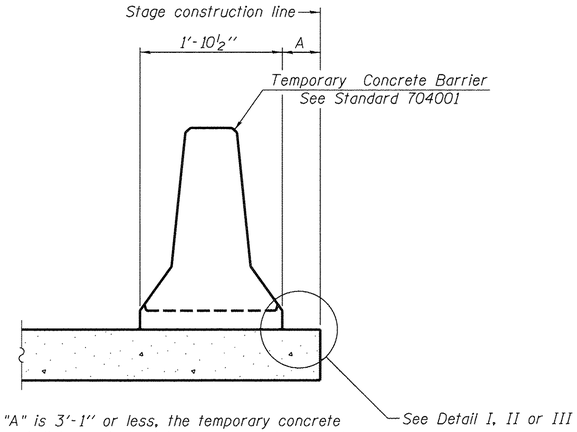
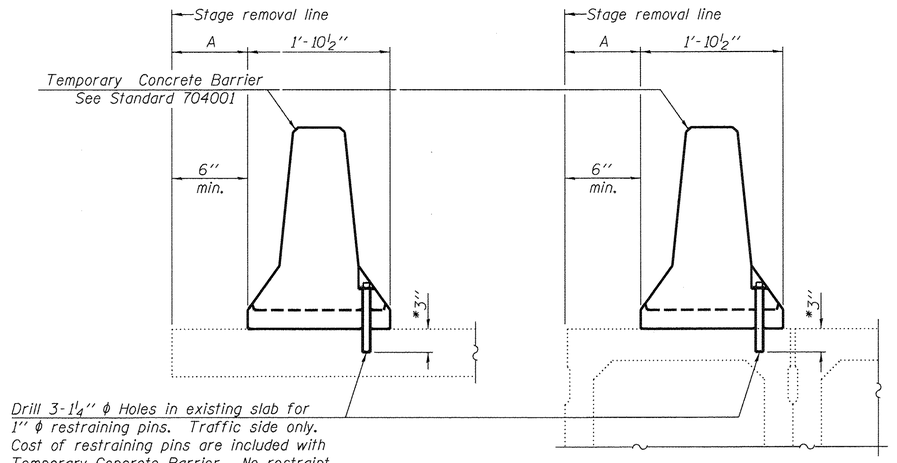


When "A" is 3'-1" or less, the temporary concrete barrier shall be restrained to the new slab according to Detail I, II or III. No restraint is required when "A" is greater than 3'-1".

NEW SLAB OR NEW DECK BEAM

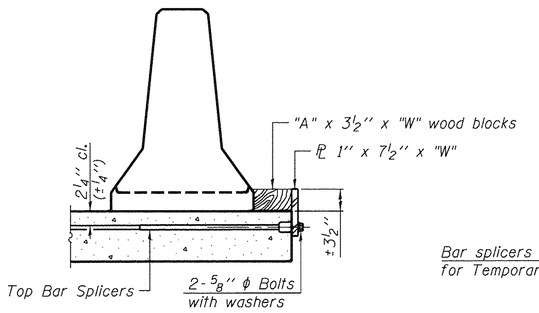


EXISTING SLAB

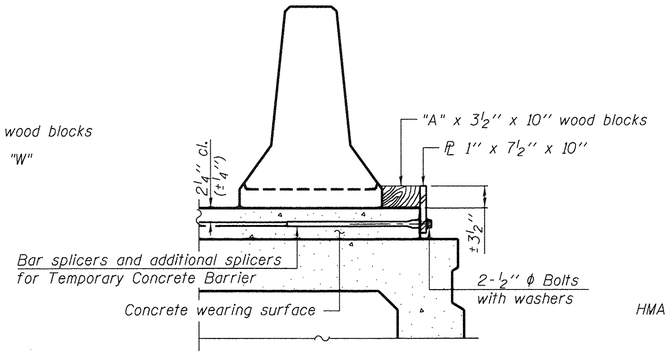
* When hot-mix asphalt wearng surface is present, embedment shall be 3'' plus the wearing surface depth.

EXISTING DECK BEAM

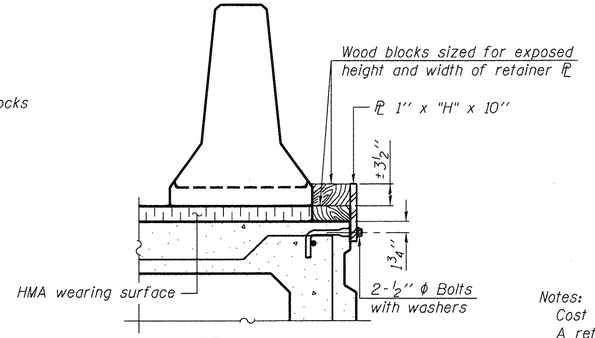
SECTIONS THRU SLAB OR DECK BEAM



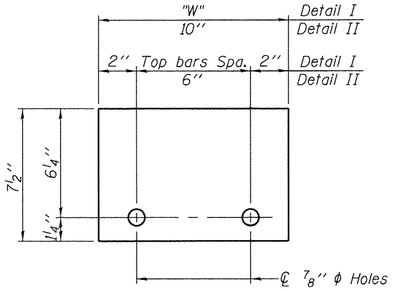
DETAIL I



DETAIL II

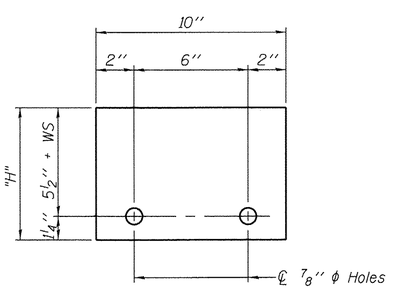


DETAIL III



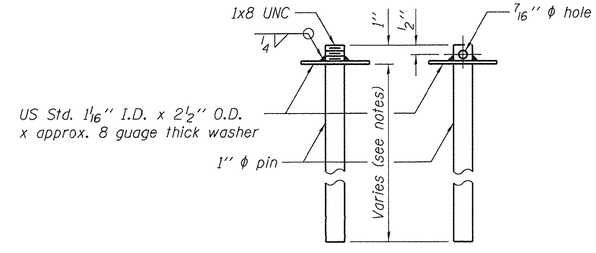
STEEL RETAINER ℄ 1'' x 7½'' x "W"

(Detail I and II)

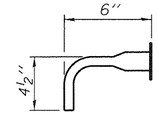


STEEL RETAINER ℄ 1'' x "H" x 10''

(Detail III)



RESTRAINING PIN



BAR SPLICER FOR #4 BAR - DETAIL III

Notes:

Cost of retainer assembly is included with Temporary Concrete Barrier.

A retainer assembly shall be located at the approximate ℄ of each temporary concrete barrier.

The retainer plate shall not be removed until the concrete on the adjacent stage is ready to be poured. For Detail III applications the retainer plate shall not be removed until just prior to placing the adjacent beam.

When the 'A' dimension is less than 1½'', the wood block shall be omitted and the barrier shall be placed in direct contact with the steel retainer plate. For deck beam applications the minimum required 'A' distance is 6'' to accommodate the shear key clamping device.

Detail I - Installation for a new bridge deck or bridge slab.

Detail II - Installation for a new deck beam with an initial concrete wearing surface. Additional bar splicers shall be provided at 6'-0'' centers and paired with the bar splicers of the concrete wearing surface reinforcement to accommodate the installation of the retainer assemblies. The cost of the additional bar splicers is included with the concrete wearing surface.

Detail III - Installation for a new deck beam with no initial wearing surface or with an initial hot-mix asphalt (HMA) wearing surface present. The deck beam directly beneath the temporary concrete barrier shall be fabricated with bar splicer inserts in the side of the beam, as detailed, to accommodate the installation of the retainer assemblies. A pair of bar splicers, 6'' apart, shall be placed at 6'-0'' centers along the length of the beam. The cost of the bar splicers is included with the deck beam.

DESIGNED	JKL	1/6/17
DRAWN	MGM	4/3/17
REVIEWED	SMK	4/4/17

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY CONCRETE BARRIER FOR STAGE CONSTRUCTION
STRUCTURE NO. 101-6068

Sheet 12 of 14

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0412	14-00609-00-BR	WINNEBAGO	89	63
		CONTRACT NO. 85656		
	ILLINOIS FED. AID PROJECT			

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Illinois Department of Transportation
Division of Highways
Terracon

SOIL BORING LOG

Date 10/2/15

ROUTE FAP 0412 DESCRIPTION East boring LOGGED BY

SECTION 14-00609-00-BR LOCATION , SEC. 20, TWP. 44N, RNG. 2E,
Latitude , Longitude

COUNTY Winnebago DRILLING METHOD HSA HAMMER TYPE AUTO

STRUCT. NO. 101-6062
Station

BORING NO. B-1
Station
Offset
Ground Surface Elev. 770.10 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 754.1 ft ▼
Upon Completion ft
After Hrs. ft

	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
ASPHALT, Approx. 8"	769.40			
AGGREGATE BASE, Approx. 6"	769.00			
FILL: SAND, trace silt and gravel, brown		6		
		5		5
		3		
	767.10			
FILL: SANDY CLAY, trace silt, brown		3		
		2		11
	-5	2		
turning reddish-brown				
		2		
		2		11
		3		
	762.10			
FILL: CLAY, with silt, trace sand, dark brown		3		
		3		22
	760.10 -10	3		
SANDY CLAY, trace silt and gravel, dark brown		3		
	758.10	3		25
SAND, with gravel, trace clay, light brown and gay, loose to medium dense		4		
		9		
		10		13
	755.10 -15	11		
SAND, with clay, trace gravel, brown, medium dense ▼		6		
		8		14
		11		
		8		
		11		10
	-20	13		
SAND, with clay, trace gravel, brown, medium dense *(continued)*	749.10			
GRAVELLY SAND, trace silt, brown, very dense to medium dense		50/5"		
				14
		12		
		13		15
	-25	10		
	744.10			
SAND trace silt and gravel, light brown, medium dense		10		
		12		17
		12		
		11		
		13		17
	-30	15		
Sample at 33 feet: No recovery		6		
		7		
	-35	5		
	734.10			
SAND, trace gravel, brown, medium dense		6		
		5		14
	-40	5		

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

BBS, form 137 (Rev. 8-99)

Illinois Department of Transportation
Division of Highways
Terracon

SOIL BORING LOG

Date 10/2/15

ROUTE FAP 0412 DESCRIPTION East boring LOGGED BY

SECTION 14-00609-00-BR LOCATION , SEC. 20, TWP. 44N, RNG. 2E,
Latitude , Longitude

COUNTY Winnebago DRILLING METHOD HSA HAMMER TYPE AUTO

STRUCT. NO. 101-6062
Station

BORING NO. B-1
Station
Offset
Ground Surface Elev. 770.10 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 754.1 ft ▼
Upon Completion ft
After Hrs. ft

	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
SAND, trace gravel, brown, medium dense *(continued)*				
light brown				
		7		
		9		13
	-45	11		
		7		
		8		16
	-50	13		
Sample at 53 feet: No recovery		9		
		9		
	715.10 -55	13		
End of Boring				
	-60			

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

BBS, form 137 (Rev. 8-99)

I:\V4\Jobs\V4L011\3CAD\Struct\Sheet\S-13-Boring Logs.dgn 4/18/2017 hussu00411

DESIGNED	JKL	1/6/17
DRAWN	MGM	4/3/17
REVIEWED	SMK	4/4/17

S-13

FILE NAME = S-13-Boring Logs.dgn	USER NAME = hussu00411	DESIGNED - JKL	REVISED -
		CHECKED - SMK	REVISED -
	PLOT SCALE = 0:1.0000 ':' / in.	DRAWN - MGM	REVISED -
	PLOT DATE = 4/18/2017	CHECKED - 4/19/17	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BORING LOGS
STRUCTURE NO. 101-6068
Sheet 13 of 14

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0412	14-00609-00-BR	WINNEBAGO	89	64
		CONTRACT NO. 85656		
		ILLINOIS FED. AID PROJECT		

Illinois Department of Transportation
Division of Highways
Terracon

SOIL BORING LOG

Date 10/2/15

ROUTE FAP 0412 DESCRIPTION West boring LOGGED BY

SECTION 14-00609-00-BR LOCATION , SEC. 20, TWP. 44N, RNG. 2E,
Latitude , Longitude

COUNTY Winnebago DRILLING METHOD HSA HAMMER TYPE AUTO

STRUCT. NO. 101-6062
Station
BORING NO. B-2
Station
Offset
Ground Surface Elev. 771.20 ft

Surface Water Elev. ft
Stream Bed Elev. ft
Groundwater Elev.:
First Encounter 752.7 ft ▼
Upon Completion ft
After Hrs. ft

	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
ASPHALT, Approx. 7" 770.50				
AGGREGATE BASE, Approx. 8" 770.10				
FILL: SAND, trace silt and gravel, brown		7		
		9		4
		9		
768.20				
FILL: SAND, trace clay, light brown		5		
		4		7
766.20	-5	4		
FILL: SAND, with clay, trace gravel, light brown		8		
		7		13
		5		
763.20				
FILL: CLAY, with sand, trace gravel, brown		3		
		3		20
761.20	-10	5		
FILL: SILTY CLAY, trace sand and gravel, dark brown		5		
759.20		6		23
FILL: SAND, with clay and gravel, trace silt, light brown and gray		8		
		5		
		7		17
756.20	-15	8		
SAND with gravel, trace silt and clay, brown and gray, medium dense		8		
		10		10
		11		
▼		9		
		13		11
751.20	-20	13		

	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
GRAVELLY SAND, trace silt, brown, medium dense		11		
749.20		14		12
SAND, trace gravel and silt, medium dense to dense		16		
		10		
		11		12
	-25	11		
		10		
		9		12
		10		
medium to coarse below about 28 feet		6		
		7		18
	-30	8		
		7		
		7		12
	-35	8		
		6		
		10		12
	-40	9		

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

BBS, form 137 (Rev. 8-99)

Illinois Department of Transportation
Division of Highways
Terracon

SOIL BORING LOG

Date 10/2/15

ROUTE FAP 0412 DESCRIPTION West boring LOGGED BY

SECTION 14-00609-00-BR LOCATION , SEC. 20, TWP. 44N, RNG. 2E,
Latitude , Longitude

COUNTY Winnebago DRILLING METHOD HSA HAMMER TYPE AUTO

STRUCT. NO. 101-6062
Station
BORING NO. B-2
Station
Offset
Ground Surface Elev. 771.20 ft

Surface Water Elev. ft
Stream Bed Elev. ft
Groundwater Elev.:
First Encounter 752.7 ft ▼
Upon Completion ft
After Hrs. ft

	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
SAND, trace gravel and silt, medium dense to dense *(continued)*				
		8		
		10		12
	-45	11		
		13		
		14		11
	-50	16		
		12		
		25		11
716.20	-55	14		
End of Boring	-60			

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

BBS, form 137 (Rev. 8-99)

I:\VA\Jobs\VAL01\35\CAD\Struct\Sheet\S-14-Boring Logs.dgn 4/18/2017 hussu00411

DESIGNED	JKL	1/6/17
DRAWN	MGM	4/3/17
REVIEWED	SMK	4/4/17

FILE NAME = S-14-Boring Logs.dgn	USER NAME = hussu00411	DESIGNED - JKL	REVISED -
		CHECKED - SMK	REVISED -
	PLOT SCALE = 01.0000 '' / in.	DRAWN - MGM	REVISED -
	PLOT DATE = 4/18/2017	CHECKED - 4/19/17	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BORING LOGS
STRUCTURE NO. 101-6068
Sheet 14 of 14

S-14

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0412	14-00609-00-BR	WINNEBAGO	89	65
		CONTRACT NO. 85656		
	ILLINOIS FED. AID PROJECT			

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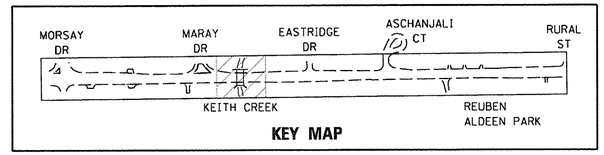

KEY MAP

KEITH CREEK

CONSTRUCTION LIMIT

RIP-RAP LIMITS

EXISTING CONCRETE ENCASEMENT

EXISTING ROW

29

30+00

31

ALPINE ROAD

770 771 768 769 766 764 762 760

CONSTRUCTION LIMIT

RIP-RAP LIMITS

EXISTING ROW

SCALE IN FEET 0 10 20 30

GR-01

DESIGNED	SMK	1/5/17
DRAWN	MWH	3/7/17
REVIEWED	SMK	4/18/17

FILE NAME =	USER NAME = hussu00411	DESIGNED - SMK	REVISED -
14L0113-sht-gr-01.dgn		DRAWN - MWH	REVISED -
	PLOT SCALE = 10.0000 ' / in.	CHECKED - SMK	REVISED -
	PLOT DATE = 4/19/2017	DATE - 4/19/17	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BOX CULVERT GRADING PLAN

SCALE: 1" = 20' | SHEET NO. OF SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0412	14-00609-00-BR	WINNEBAGO	89	66
		CONTRACT NO. 85656		
	ILLINOIS FED. AID PROJECT			

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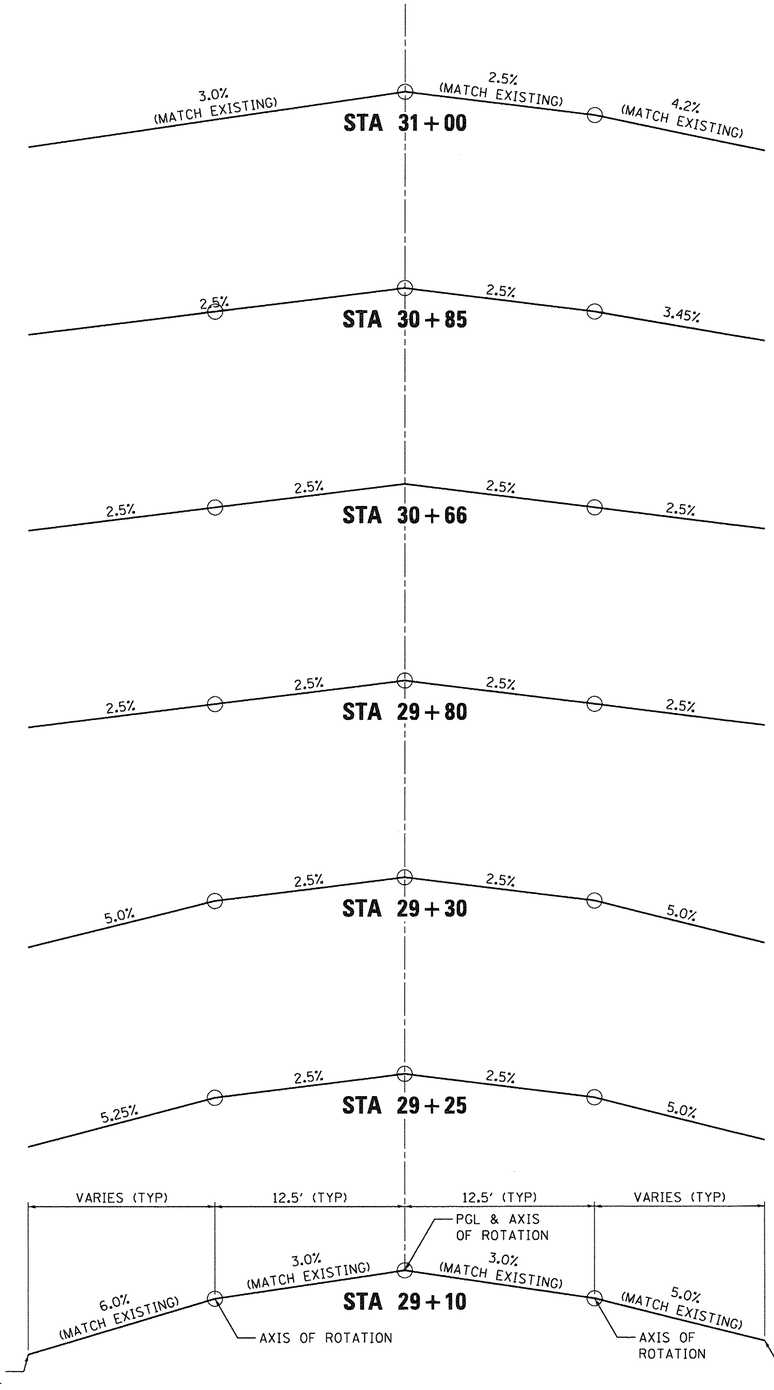
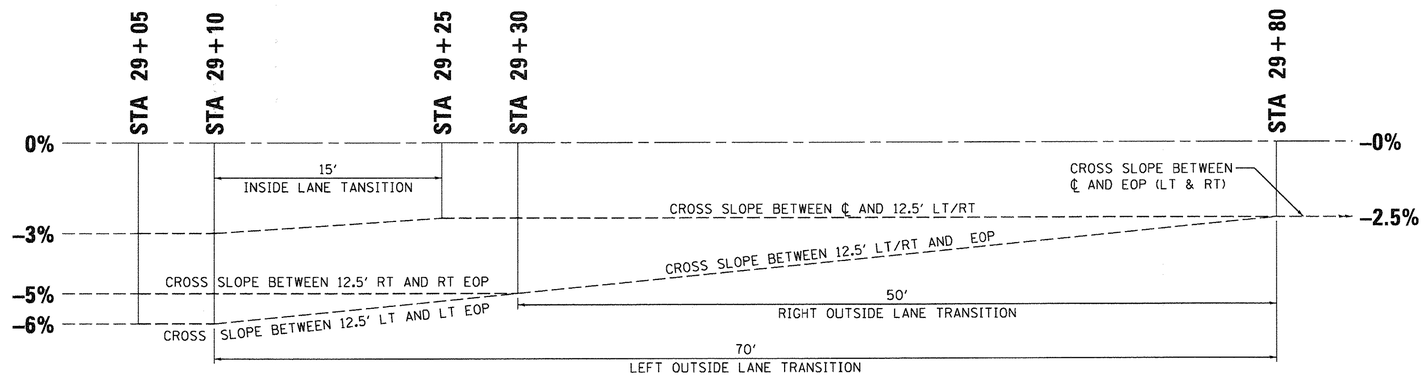
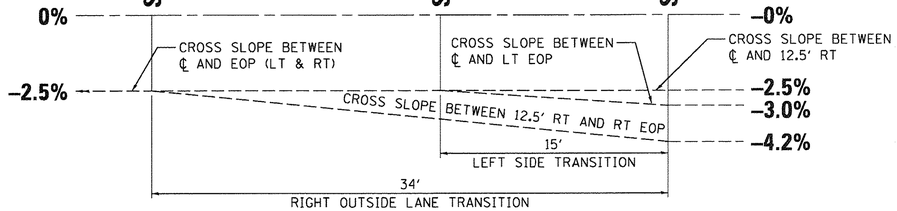


TYPICAL CROSS SECTION
PAVEMENT CROSS SLOPE TRANSITION



TYPICAL PAVEMENT CROSS SLOPE
APPROACH TRANSITION



TYPICAL PAVEMENT CROSS SLOPE
DEPARTURE TRANSITION

PAVEMENT TRANSITION NOTES

1. SEE CROSS SECTION SHEETS FOR EDGE OF PAVEMENT ELEVATIONS AND CROSS SLOPES.
2. THE AXES OF ROTATION AT 12.5' LT AND RT OF THE CENTERLINE APPROXIMATELY MATCH THE EXISTING BREAKS OF THE CROSS SLOPES AND DO NOT MATCH THE POSITIONS OF THE LANE LINES.

DESIGNED	TMA	2/15/17
DRAWN	MWH	3/7/17
REVIEWED	KMA	4/18/17

FILE NAME = 14L0113-sht-det-01.dgn	USER NAME = hussu00411	DESIGNED - TMA	REVISED -
		DRAWN - MWH	REVISED -
	PLOT SCALE = 5.0000 ' / in.	CHECKED - KMA	REVISED -
	PLOT DATE = 4/19/2017	DATE - 4/19/17	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

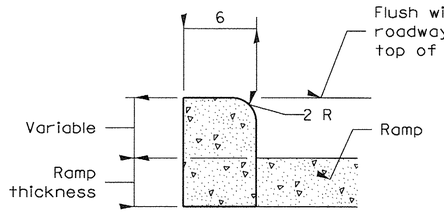
PAVEMENT TRANSITION DETAIL

SCALE: NTS | SHEET NO. OF SHEETS | STA. | TO STA.

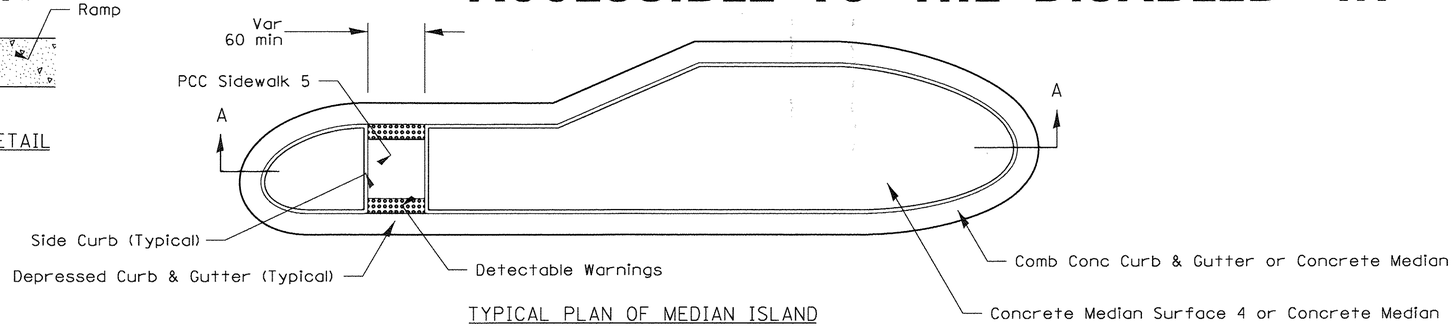
DET-01

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0412	14-00609-00-BR	WINNEBAGO	89	67
		CONTRACT NO. 85656		
	ILLINOIS FED. AID PROJECT			

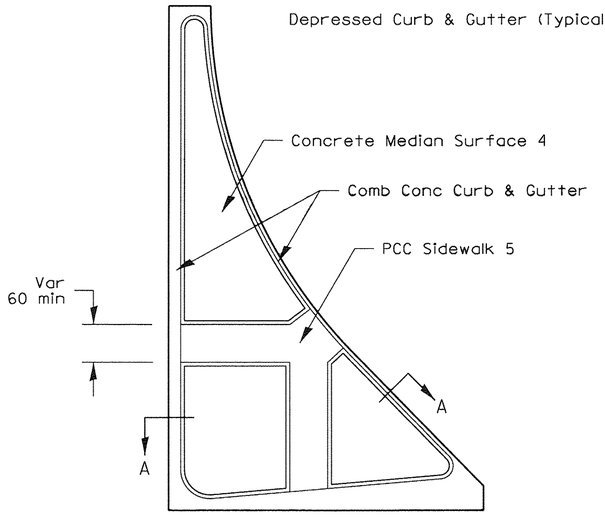
PC CONCRETE ISLANDS AND MEDIANS ACCESSIBLE TO THE DISABLED 4.1



SIDE CURB DETAIL

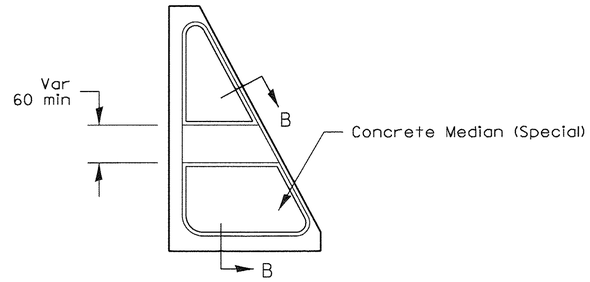


TYPICAL PLAN OF MEDIAN ISLAND



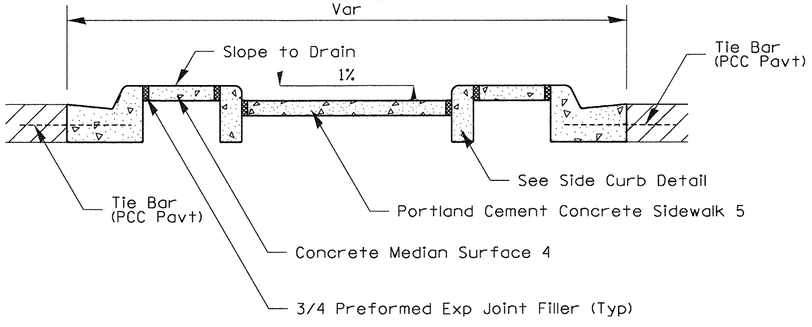
LARGE ISLAND
(Free Flow Design)

INTERMEDIATE ISLAND
(For Right Turn Lane Design)

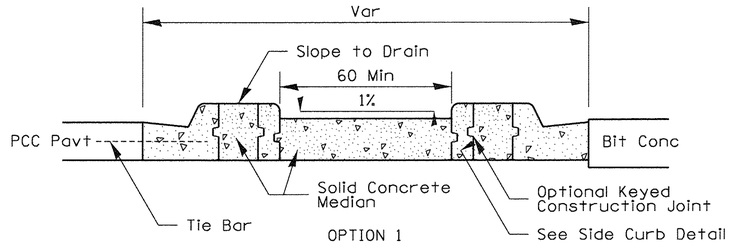


SMALL ISLAND
(For Typical Design)

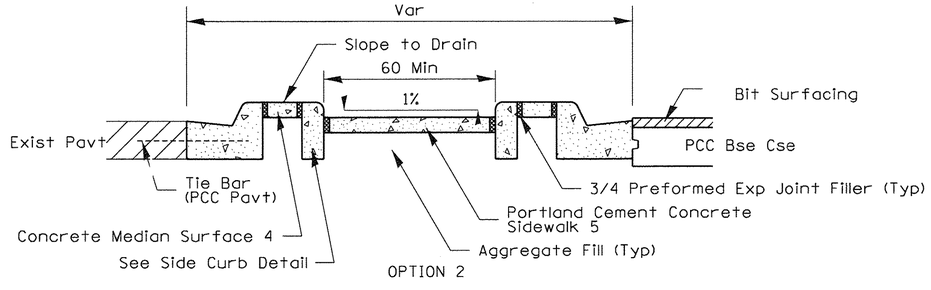
SECTION A-A



SECTION B-B



OPTION 1



OPTION 2

General Notes:
See Standard 606301 and plan sheets for station & offsets, radii, dimensions, and details not shown.

See Standard 424031 for sidewalk details not shown.

The sidewalk should drain to the low side of the island. If necessary the sidewalk shall be sloped to drain at 1%.

See the plan general notes for the type of curb & gutter to be used on islands.

The sidewalk should not be closer than 36 from the corner of the island.

Keyed longitudinal construction joints shall be constructed without tie bars.

Medians and large islands shall consist of PCC Sidewalk 5, Concrete Median Surface 4, and Combination Concrete Curb & Gutter, Type M or B of the size specified. Median island can also be solid concrete medians.

Locations, layouts, and widths of the flush sidewalk area, shall be determined by the designer and shown on the plans.

The intermediate and small islands will be measured for payment from E.O.P. to E.O.P. using either option 1 or option 2, as specified in the plans, and will be paid for at the contract unit price per SQ FT for CONCRETE MEDIAN (SPECIAL) which shall include the combination curb & gutter, sidewalk, aggregate fill, concrete median surface, and solid concrete median.

Omit detectable warnings when distance between back of curbs is less than 6'.

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

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DESIGNED	IDOT	
DRAWN	IDOT	
REVIEWED	IDOT	

FILE NAME = 14L0113-sht-D2standards-01.dgn	USER NAME = hussu00411	DESIGNED - IDOT	REVISED - 1-05-16
		DRAWN - IDOT	REVISED - 6-27-14
	PLOT SCALE = 1.0000 ' / in.	CHECKED - IDOT	REVISED - 8-27-13
	PLOT DATE = 4/19/2017	DATE - 4/19/17	REVISED - 10-09-12

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

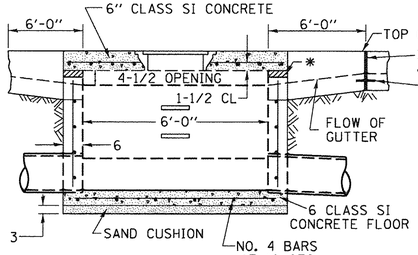
REGION 2 /DISTRICT 2 STANDARD

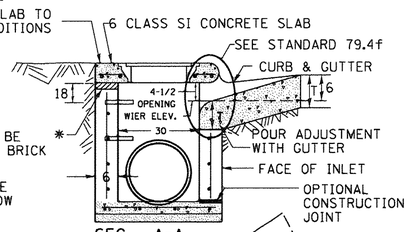
SCALE: NTS | SHEET NO. OF SHEETS | STA. | TO STA.

D2-01

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0412	14-00609-00-BR	WINNEBAGO	89	68
		CONTRACT NO. 85656		
	ILLINOIS FED. AID PROJECT			

INLETS, SPECIAL, NO. 5





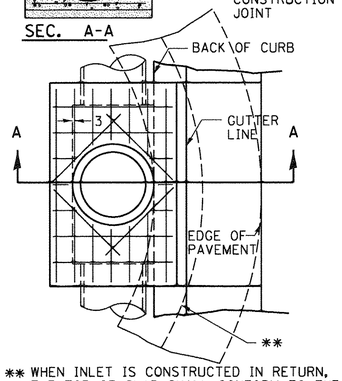
STEPS AT 12 TO 16 CTS.

* THE WALL ADJUSTMENTS SHALL BE MADE WITH CONCRETE BUILDING BRICK OR CLASS SI CONCRETE.

THE HEIGHT OF THE BOX MAY BE CONSTRUCTED 6 SHORT TO ALLOW FOR FIELD ADJUSTMENTS.

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

SEC. A-A



** WHEN INLET IS CONSTRUCTED IN RETURN, THE TOP OF SLAB SHALL CONFORM TO THE RADIUS OF THE RETURN.

FRONT VIEW

SEE STANDARD 602701 FOR DETAILS OF STEPS.

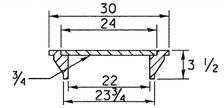
1" PREFORMED EXPANSION JOINTS AS SHOWN SHALL BE PROVIDED ON EACH SIDE OF INLET.

CLASS SI CONCRETE OR PRECAST CONCRETE SHALL BE USED TROUGHOUT.

THE SIDE WALLS MAY BE BUILT AS PRECAST SEGMENTAL SECTIONS.

REINFORCEMENT FOR INLETS, SPECIAL, NO. 5 SHALL BE ACCORDING TO DISTRICT STANDARD 79.4g

LIGHT WEIGHT MANHOLE CASTING



TOTAL WEIGHT 160 LBS.

NOTES

STEPS SHALL BE OMITTED WHEN DEPTH OF INLET IS LESS THAN 5 FOOT

THE INLET SHALL BE CAST IN PLACE OR PRECAST.

EXCEPT AS NOTED HEREON INLETS, SPECIAL, NO. 5 SHALL BE CONSTRUCTED IN ACCORDANCE WITH SECTION 602 OF THE STANDARD SPECIFICATIONS.

THE CONTRACT UNIT PRICE EACH FOR INLET SPECIAL NO. 5 SHALL INCLUDE THE COST OF FURNISHING AND INSTALLING THE FRAME, LID, REINFORCEMENT BARS, FLOOR AND TOP SLABS, CAST IRON STEPS (IF USED).

THE CURB AND GUTTER WILL BE PAID FOR SEPARATELY AND WILL BE MEASURED THROUGH THE INLET.

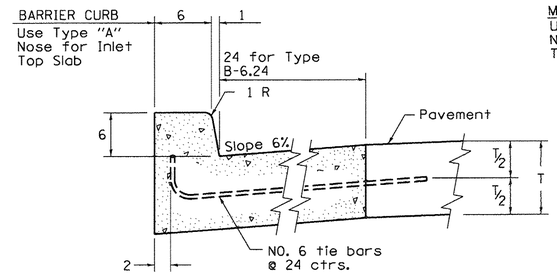
THE CURB AND GUTTER ADJACENT TO AND 6 FOOT ON EITHER SIDE OF THE INLET SHALL BE CONSTRUCTED AS SHOWN WITH NO ADDITIONAL COMPENSATION FOR THE TRANSITION.

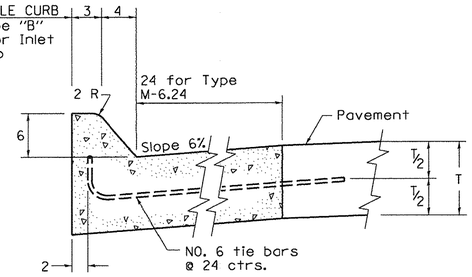
ALL PIPE UNDERDRAIN CONNECTIONS WHEN SPECIFIED SHALL BE DONE IN ACCORDANCE WITH ART. 601 OF THE STANDARD SPECIFICATIONS. THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER (FOOT) FOR PIPE UNDERDRAINS, TYPE 2 OR PIPE UNDERDRAINS (SPECIAL) OF THE DIAMETER SPECIFIED WHICH PRICE SHALL INCLUDE THE CA7 OR CA16 AND THE CONNECTION TO THE INLET.

REVISED - 1-05-16
REVISED - 8-27-13
REVISED - 10-04-11

INLETS, SPECIAL, NO. 5 79.4b

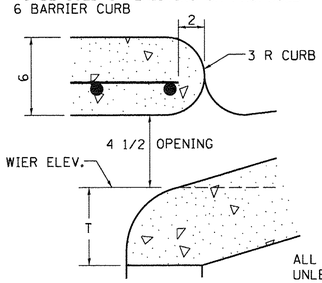
NOSE TYPE FOR INLET TOP SLAB





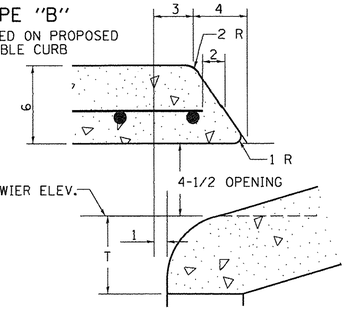
TYPE "A"

TO BE USED ON EXISTING OR PROPOSED 6 BARRIER CURB



TYPE "B"

TO BE USED ON PROPOSED 6 MOUNTABLE CURB

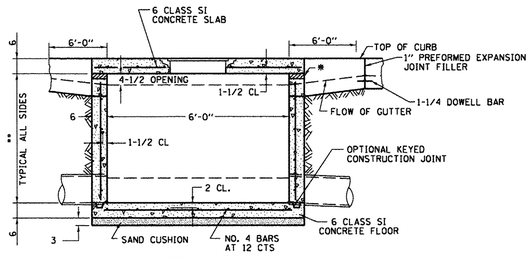


ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

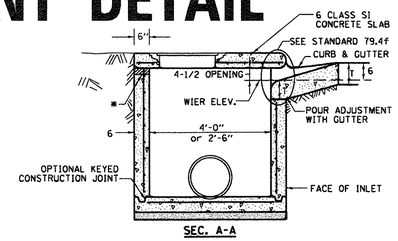
REVISED - 4-14-15
REVISED - 10-05-11

NOSE TYPE FOR INLET TOP SLAB 79.4f

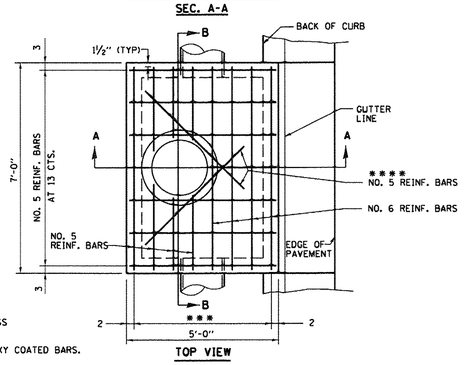
INLETS, SPECIAL, NO. 3, 4, 5, 6 REINFORCEMENT DETAIL



SEC. B-B



SEC. A-A



TOP VIEW

* THE WALL ADJUSTMENTS SHALL BE MADE WITH CONCRETE BUILDING BRICK OR CLASS SI CONCRETE.

THE HEIGHT OF THE BOX MAY BE CONSTRUCTED 6 SHORT TO ALLOW FOR FIELD ADJUSTMENTS.

** 4'-0" TO 8'-0" - NO. 5 REINF. BARS AT 12 CTS. E.W.
8'-0" TO 13'-0" - NO. 5 REINF. BARS AT 10 CTS. E.W.
13'-0" TO 15'-0" - NO. 5 REINF. BARS AT 8 CTS. E.W.

*** 7 SPA. AT 8" INLET SPECIAL * 3, 4
5 SPA AT 7-5/8" INLET SPECIAL * 5, 6

**** 2 REBARS FOR INLET SPECIAL 3 & 4 @ 65"
4 REBARS FOR INELT SPECIAL 5 & 6 @ 24"

NOTES

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

TOP SLAB REINFORCEMENT TO BE EPOXY COATED BARS.

REVISED - 4-13-16
REVISED - 8-27-13
REVISED - 10-05-11

INLETS, SPECIAL, NO. 3, 4, 5, 6 REINFORCEMENT DETAIL 79.4g

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REVIEWED	IDOT

FILE NAME = 14L0113-sht-02standards-02.dgn	USER NAME = hussu00411	DESIGNED - IDOT	REVISED -
		DRAWN - IDOT	REVISED -
	PLOT SCALE = 1.0000 ' / in.	CHECKED - IDOT	REVISED -
	PLOT DATE = 4/19/2017	DATE - 4/19/17	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

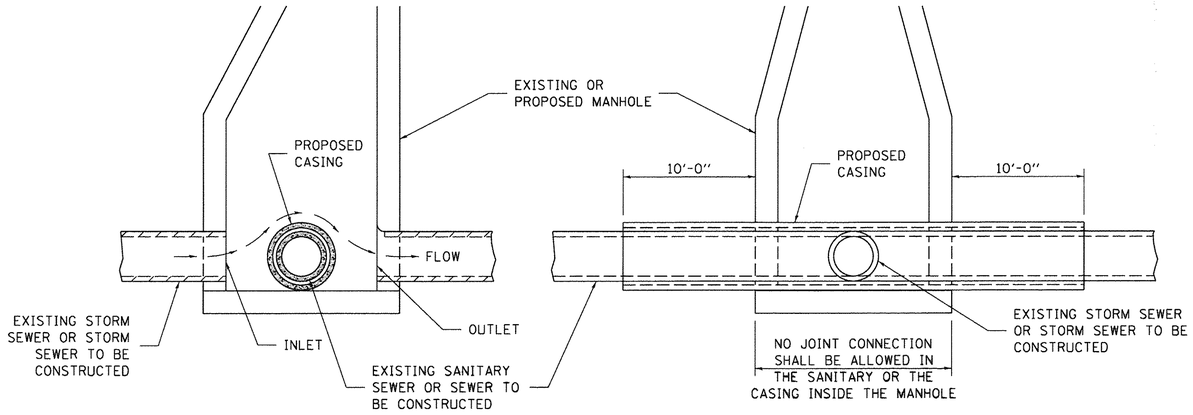
REGION 2 /DISTRICT 2 STANDARD

SCALE: NTS | SHEET NO. OF SHEETS | STA. | TO STA.

D2-02

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0412	14-00609-00-BR	WINNEBAGO	89	69
		CONTRACT NO. 85656		
	ILLINOIS FED. AID PROJECT			

SEWER AND WATER MAIN CROSSINGS 32.1



ELEVATION - ECCENTRIC

ELEVATION - CONCENTRIC

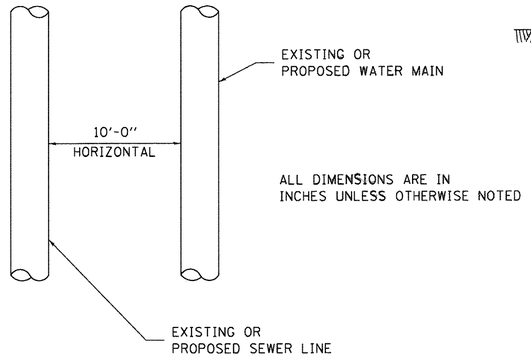
CASING SHALL BE CAST IRON WITH AN INSIDE DIAMETER 2" LARGER IN DIAMETER THAN ENCASED PIPE OUTSIDE DIAMETER WITH BOTH ENDS OF CASING SEALED

AT GRADE CROSSING OF SANITARY AND STORM SEWER

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED

THIS DETAIL IS FOR UNKNOWN UTILITIES UNLESS QUANTITIES ARE INCLUDED IN THE PLANS THE EXTRA WORK WILL BE PAID FOR IN ACCORDANCE WITH ARTICLE 109.04.

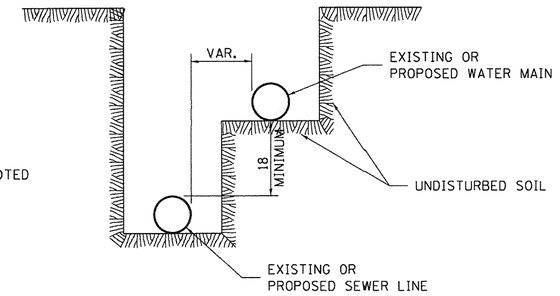
WHEN PROPOSED SEWER (OR WATER) IS LOCATED 10'-0" OR MORE FROM EXISTING WATER (OR SEWER) NO SPECIAL CONSTRUCTION REQUIRED.



PLAN VIEW

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED

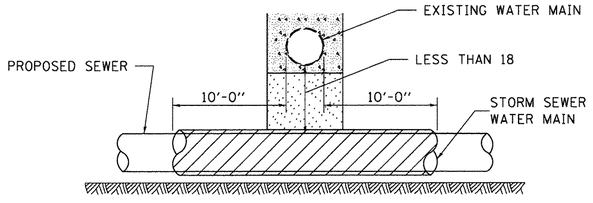
WHEN PROPOSED SEWER (OR WATER) IS LOCATED LESS THAN 10'-0" FROM EXISTING WATER (OR SEWER) DETAILS BELOW SHALL APPLY.



WATER AND SEWER HORIZONTAL SEPARATION REQUIREMENTS

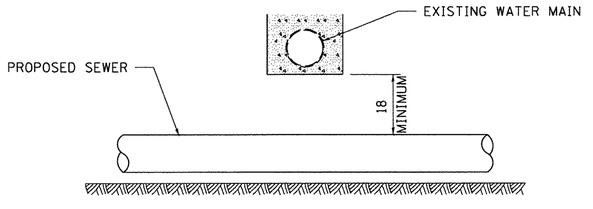
POINT LOADS SHALL NOT BE ALLOWED BETWEEN SEWER OR SEWER CASING AND WATER MAIN

PROVIDE ADEQUATE SUPPORT FOR EXISTING WATER MAIN TO PREVENT DAMAGE DUE TO SETTLEMENT OF SEWER TRENCH



PROVIDE ADEQUATE SUPPORT FOR EXISTING WATER MAIN TO PREVENT DAMAGE DUE TO SETTLEMENT OF SEWER TRENCH

MAINTAIN 18 MINIMUM VERTICAL SEPARATION FOR 10 FT. HORIZONTALLY

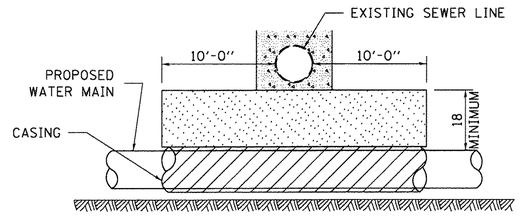


ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED

PROPOSED SEWER LINE BELOW EXISTING WATER MAIN

PROVIDE ADEQUATE SUPPORT FOR EXISTING SEWER LINE TO PREVENT DAMAGE DUE TO SETTLEMENT

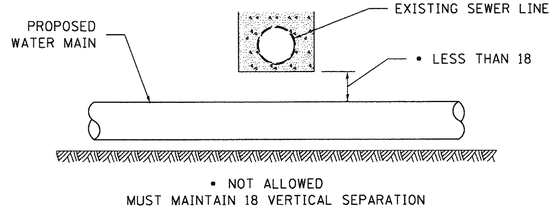
PLACE TRENCH BACKFILL FOR 10 FT. ON EITHER SIDE OF SEWER LINE



CASING SHALL BE CAST IRON WITH AN INSIDE DIAMETER 2" LARGER IN DIAMETER THAN ENCASED PIPE OUTSIDE DIAMETER WITH BOTH ENDS OF CASING SEALED

PROVIDE ADEQUATE SUPPORT FOR EXISTING WATER MAIN TO PREVENT DAMAGE DUE TO SETTLEMENT OF SEWER TRENCH

MAINTAIN 18 MINIMUM VERTICAL SEPARATION FOR 10 FT. HORIZONTALLY

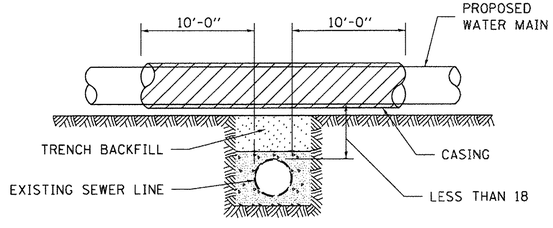


• NOT ALLOWED
MUST MAINTAIN 18 VERTICAL SEPARATION

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED

PROPOSED WATER MAIN BELOW EXISTING SEWER LINE

POINT LOADS SHALL NOT BE ALLOWED BETWEEN WATER MAIN OR WATER MAIN CASING AND SEWER

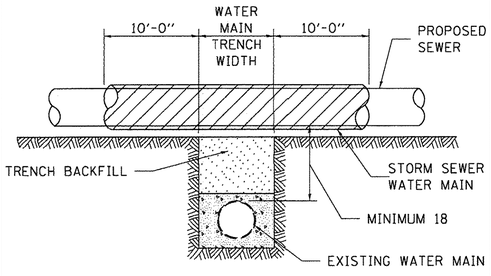


CASING SHALL BE CAST IRON WITH AN INSIDE DIAMETER 2" LARGER IN DIAMETER THAN ENCASED PIPE OUTSIDE DIAMETER WITH BOTH ENDS OF CASING SEALED

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED

PROPOSED WATER MAIN ABOVE EXISTING SEWER LINE

PROVIDE ADEQUATE SUPPORT FOR SEWER TO PREVENT SETTLING AND BREAKING THE WATER MAIN.



ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED

EXISTING WATER MAIN BELOW PROPOSED SEWER LINE WITH MINIMUM 18 VERTICAL SEPARATION

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	IDOT	IDOT
DESIGNED	IDOT	
DRAWN	IDOT	
REVIEWED	IDOT	

FILE NAME = 14L0113-sht-D2standards-03.dgn	USER NAME = hussu00411	DESIGNED - IDOT	REVISED - 10-17-11
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	PLOT DATE = 4/19/2017	DATE - 4/19/17	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

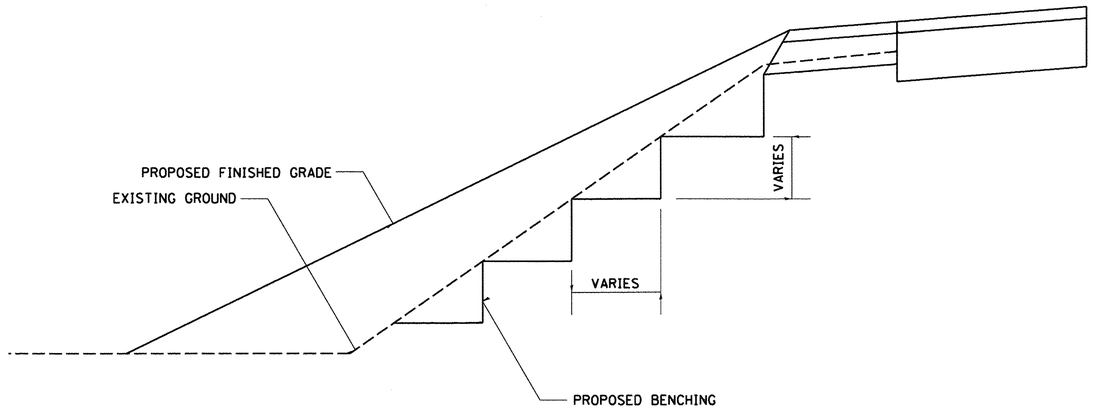
REGION 2 /DISTRICT 2 STANDARD

SCALE: NTS | SHEET NO. OF SHEETS | STA. TO STA.

D2-03

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0412	14-00609-00-BR	WINNEBAGO	89	70
		CONTRACT NO. 85656		
	ILLINOIS FED. AID PROJECT			

TYPICAL BENCHING ON EXISTING EMBANKMENT



REVISED - 2-22-06

TYPICAL BENCHING ON EXISTING EMBANKMENT 50.4

WORK ZONE SIGN DETAILS

ILLINOIS STANDARD W8–I107

COLOR	LEGEND AND BORDER	BLACK	NON-REFLECTORIZED
	BACKGROUND	ORANGE	REFLECTORIZED

SIGN SIZE	DIMENSIONS								
	A	B	C	D	E	F	G	H	J
48 x 48	48.00	3.00	25.00	34.80	34.20	24.94	9.00	1.00	10.00

SIGN SIZE	SERIES BY LINE			MARGIN	BORDER
	1	2	3		
48 x 48	7C	7C	7C	1.250	0.750

Sign not to scale

GENERAL NOTES

All work to furnish and install these signs shall be included in the cost of the specified traffic control standards and shall not be paid separately.

All Illinois Standard signs shall conform to the latest edition of the "Illinois Standard Highway Signs Book" in effect on the date of invitation for bids.

Signs shall meet the applicable portions of Sections 701 and 720 of the Standard Specifications.

All dimensions are in inches unless otherwise noted.

WORK ZONE SIGN DETAILS 34.1

D2-04

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

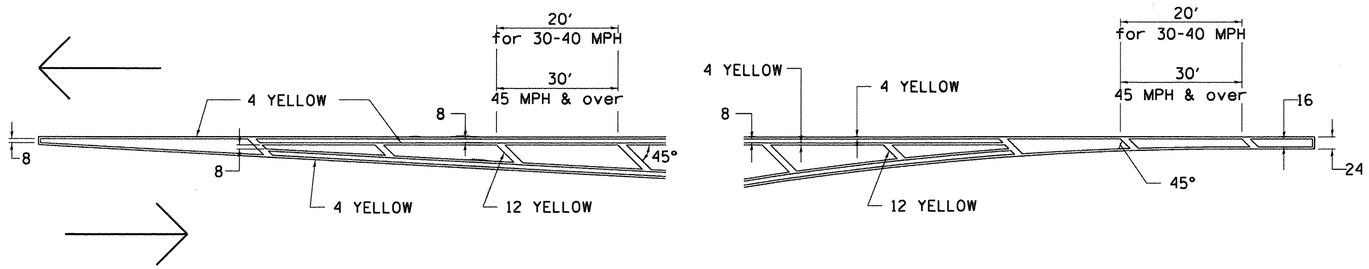
REGION 2 /DISTRICT 2 STANDARD

SCALE: NTS | SHEET NO. OF SHEETS | STA. | TO STA.

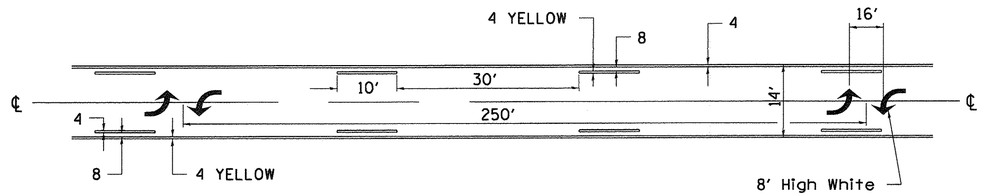
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0412	14-00609-00-BR	WINNEBAGO	89	71
		CONTRACT NO. 85656		
	ILLINOIS FED. AID PROJECT			

TYPICAL PAVEMENT MARKINGS

TYPICAL PAVEMENT MARKING FOR FLUSH MEDIAN AT LEFT TURN LANE

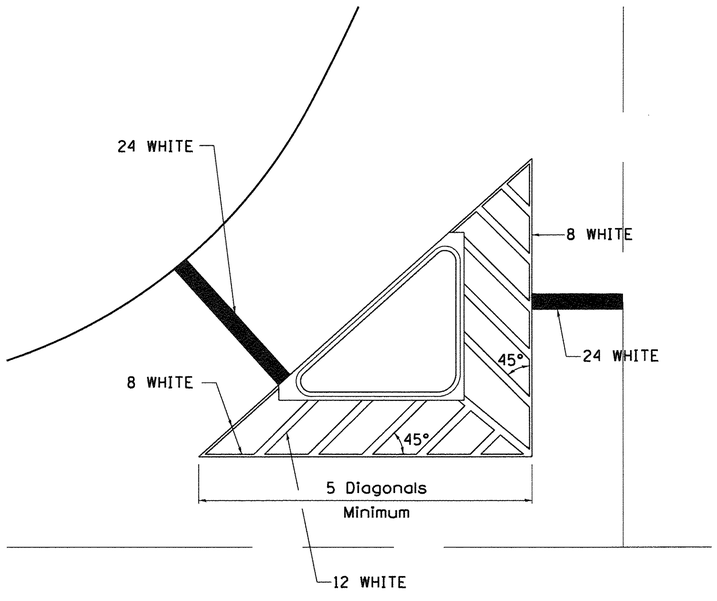


MEDIAN PAVEMENT MARKING



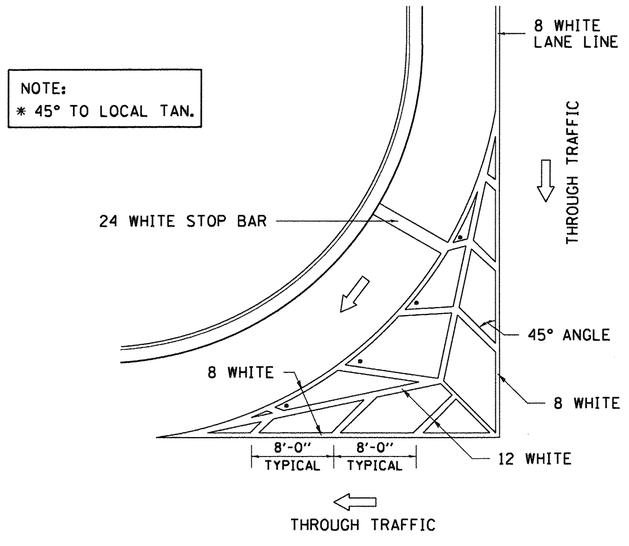
•• ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

TYPICAL ISLAND OFFSET SHOULDER WIDTH



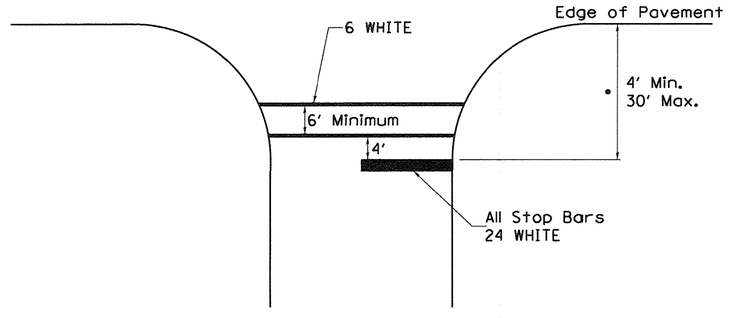
TYPICAL MARKING FOR PAINTED ISLANDS

NOTE:
* 45° TO LOCAL TAN.



STANDARD CROSSWALK MARKING

See Schedules for Locations



• Distance to the nearest edge of the intersecting roadway in the absence of a marked crosswalk.

TYPICAL PAVEMENT MARKINGS SHEET 1 OF 3 41.1

D2-05

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REGION 2 /DISTRICT 2 STANDARD

SCALE: NTS | SHEET NO. OF SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0412	14-00609-00-BR	WINNEBAGO	89	72
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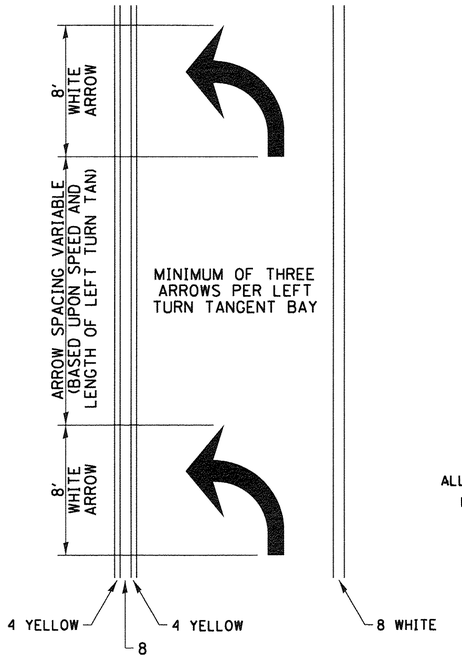
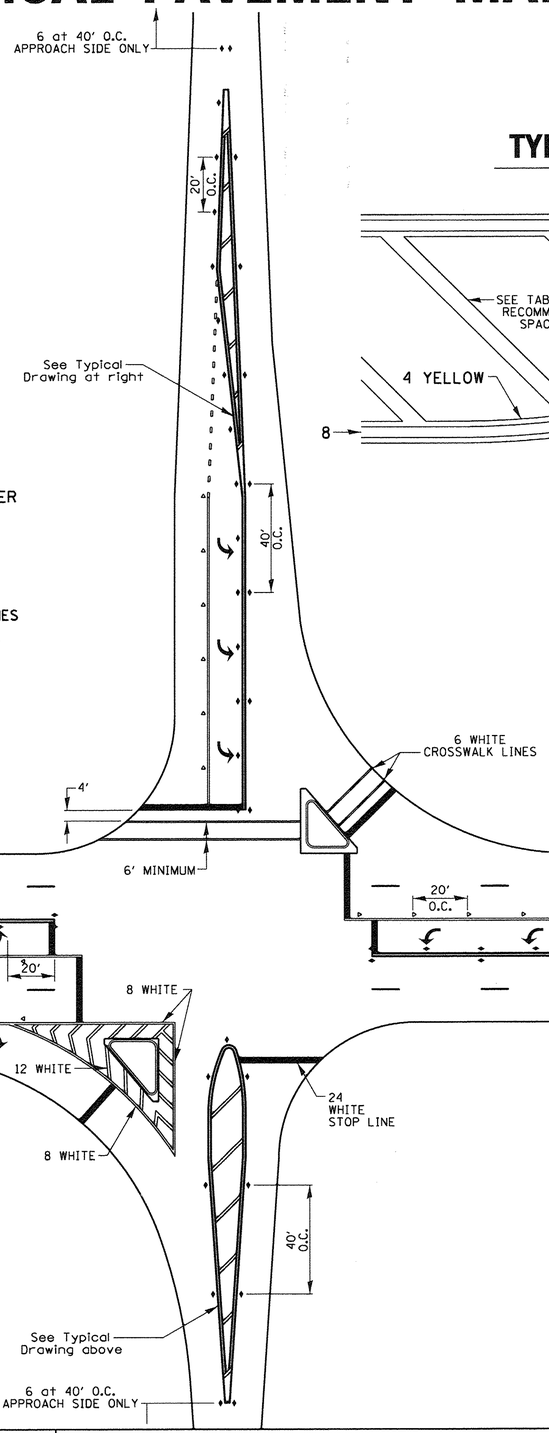
	ILLINOIS FED. AID PROJECT			

TYPICAL PAVEMENT MARKINGS

ARROW LAYOUT

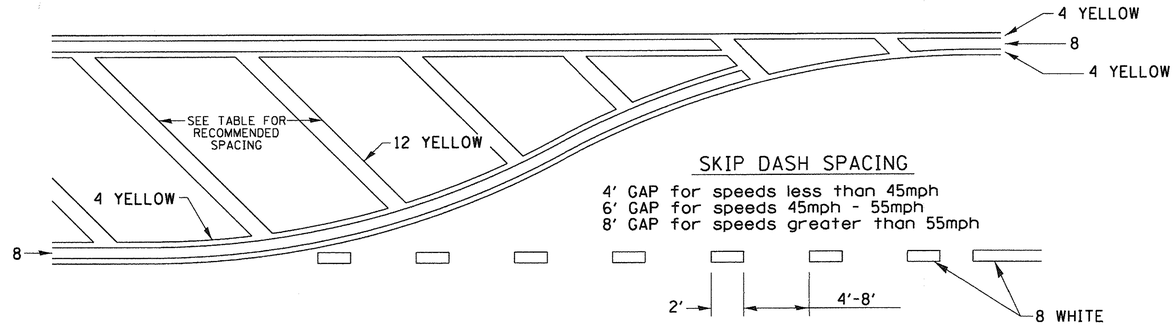




- ◀ ONE-WAY AMBER MARKER
- ◁ ONE-WAY CRYSTAL MARKER
- ◆ TWO-WAY AMBER MARKER

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

TYPICAL PAVEMENT MARKING FOR FLUSH MEDIAN



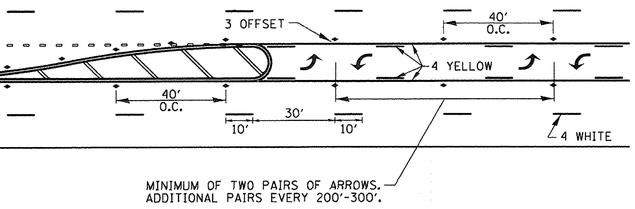
SKIP DASH SPACING

4' GAP for speeds less than 45mph
6' GAP for speeds 45mph - 55mph
8' GAP for speeds greater than 55mph

RECOMMENDED SPACING BETWEEN DIAGONALS (IN FEET)

Speed Limit Range	Continuous Median Area	Intersection Channelization	Objects (Islands)
less than 30MPH	50'	15'	10'
30-40MPH	75'	20'	15'
45MPH & over	75'	30'	20'

NOTE: If the spacing recommended in the Table does not permit at least five diagonal lines in the area being marked, the spacing from the next lowest speed range should be used. The recommended spacing is measured parallel to the pavement center line.



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REVIEWED	IDOT		

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REGION 2 /DISTRICT 2 STANDARD

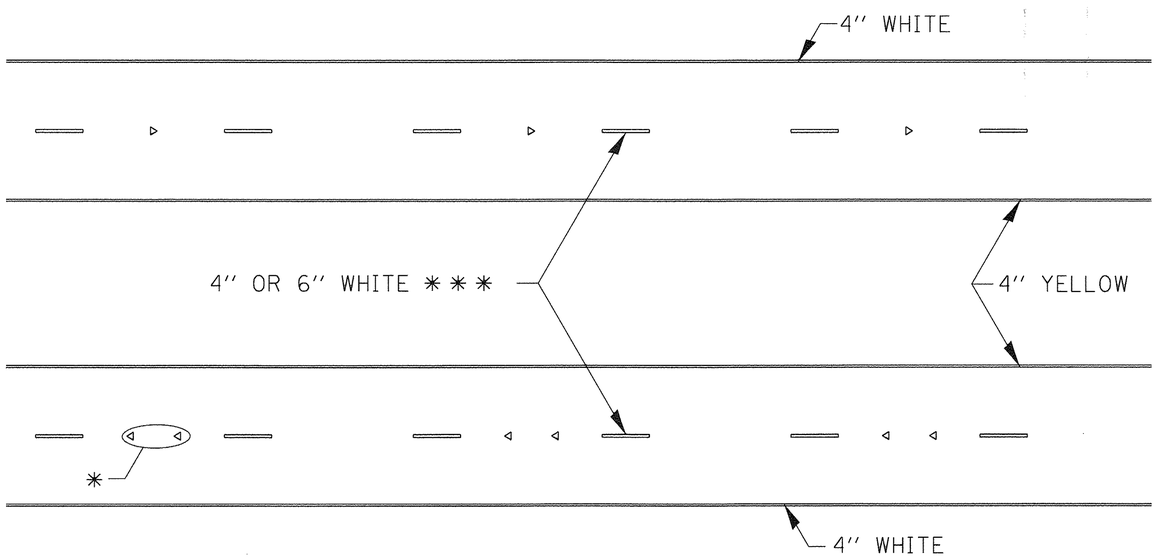
SCALE: NTS | SHEET NO. OF SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0412	14-00609-00-BR	WINNEBAGO	89	73
		CONTRACT NO. 85656		
		ILLINOIS FED. AID PROJECT		

TYPICAL PAVEMENT MARKINGS SHEET 2 OF 3 **41.1**

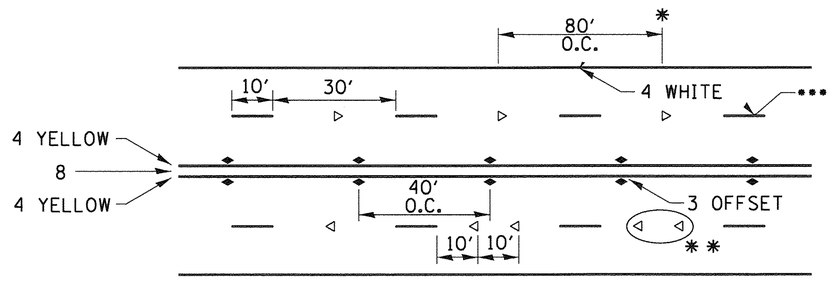
D2-06

TYPICAL PAVEMENT MARKINGS



* SEE HIGHWAY STANDARD 781001 FOR SPACING DETAILS.
USE DOUBLE MARKERS WHEN ADT > 20,000.

MULTI-LANE / DIVIDED



SYMBOLS

* REDUCE TO 40' O.C. ON CURVES WHERE ADVISORY SPEEDS ARE 10 MPH LOWER THAN POSTED SPEEDS.

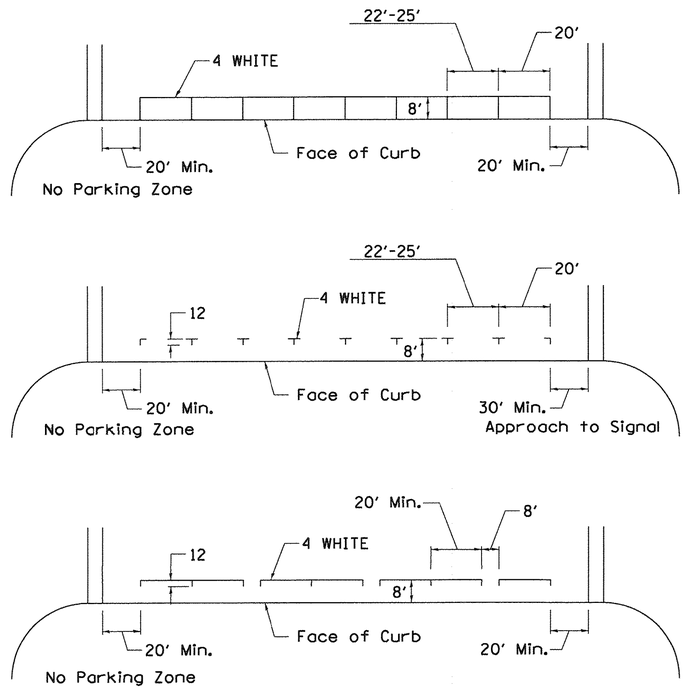
** USE DOUBLE MARKERS WHEN ADT ≥ 20,000

*** CENTERLINE SKIP DASH PAVEMENT MARKING SPEED LIMIT LESS THAN 40 MPH USE 4'' LINE. SPEED LIMIT 40 MPH AND OVER USE 6'' LINE.

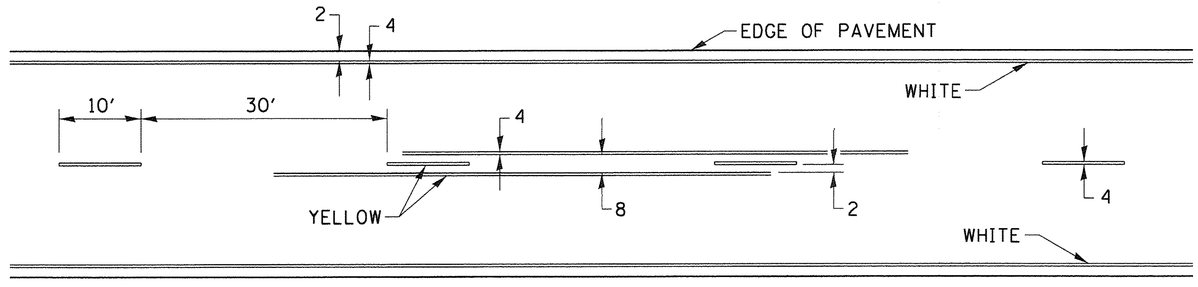
MULTI-LANE / UNDIVIDED & ONE WAY

(FOR MULTI-LANE UNDIVIDED HIGHWAYS USE THIS DETAIL NOT HIGHWAY STANDARD 781001)

TYPICAL PARKING SPACING



TYPICAL PAVEMENT MARKING FOR TWO LANE SECTION – NO PASSING ZONES



TYPICAL PAVEMENT MARKINGS SHEET 3 OF 3 41.1

D2-07

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REVIEWED	IDOT	

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		DRAWN - IDOT	REVISED - 8-27-13
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	PLOT DATE = 4/19/2017	DATE - 4/19/17	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REGION 2 / DISTRICT 2 STANDARD

SCALE: NTS | SHEET NO. OF SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0412	14-00609-00-BR	WINNEBAGO	89	74
		CONTRACT NO. 85656		
	ILLINOIS FED. AID PROJECT			

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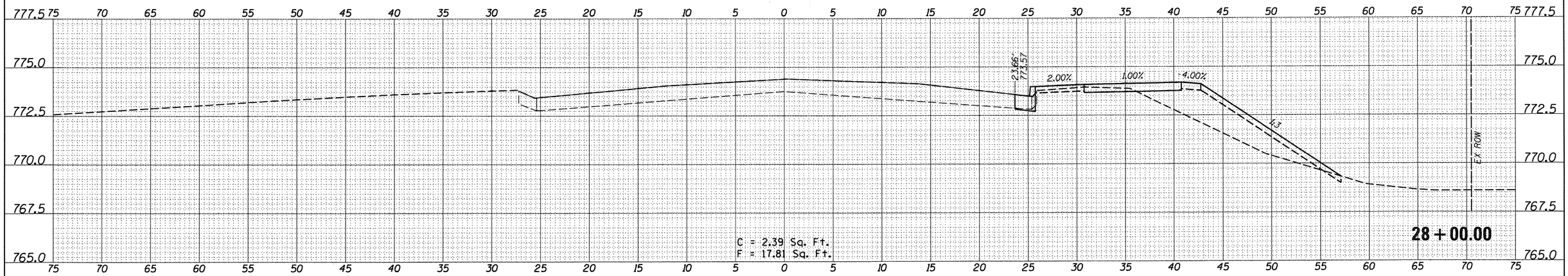

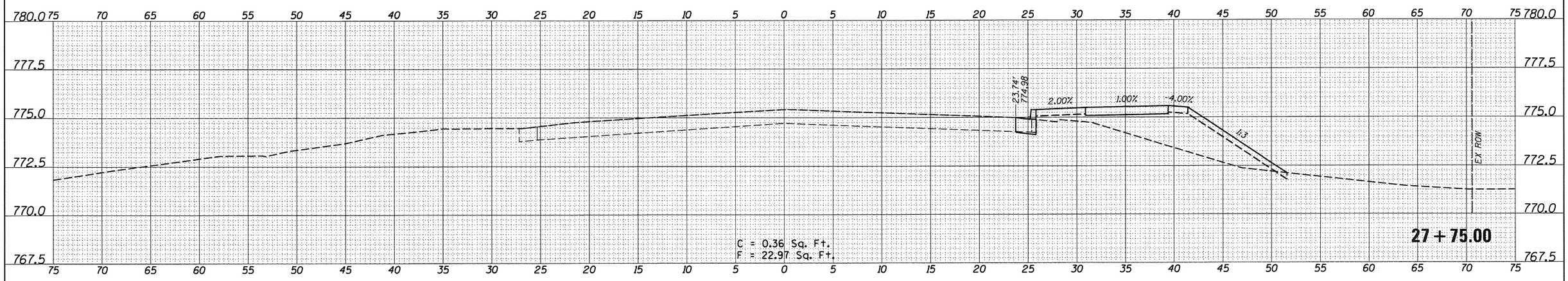

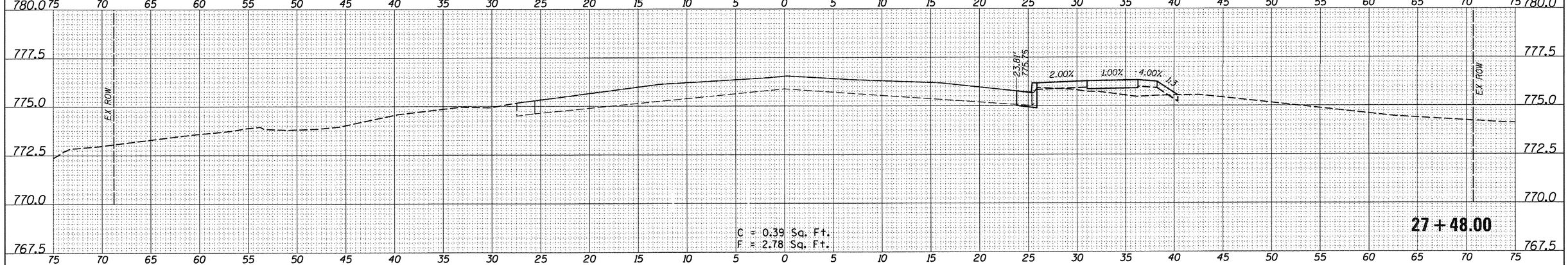

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ALPNCCFP5	PLOT DATE = 4/20/2017	DATE - 4/19/17	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ALPINE ROAD CROSS SECTIONS

SCALE:1" = 5' | SHEET OF SHEETS | STA. 27+48.00 TO STA. 28+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0412	14-00609-00-BR	WINNEBAGO	89	75
		CONTRACT NO. 85656		
	ILLINOIS FED. AID PROJECT			

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FILE NAME = 14L0113-sht-xs-01.dgn	USER NAME = hussu00411	DESIGNED - DPA	REVISED -
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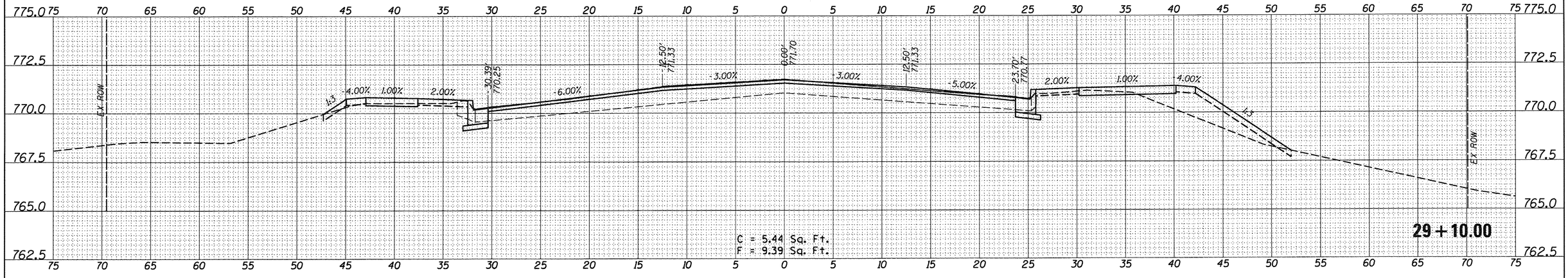
ALPNCCFP5	PLOT DATE = 4/20/2017	DATE - 4/19/17	REVISED -

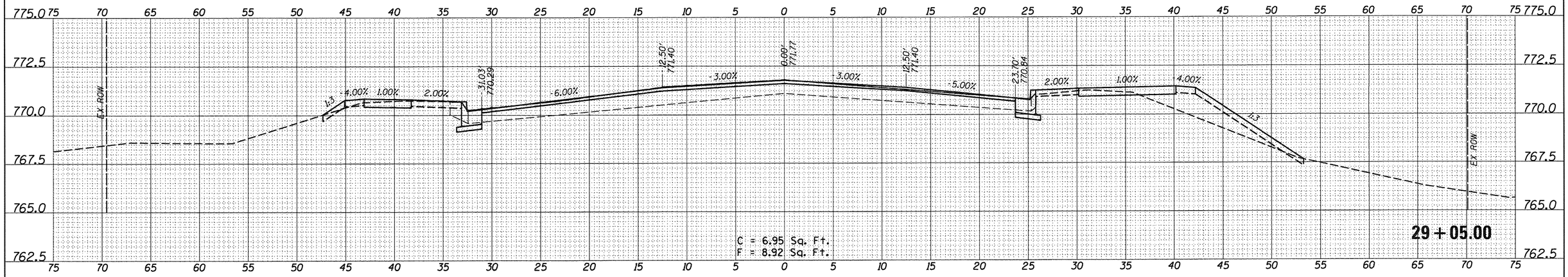
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

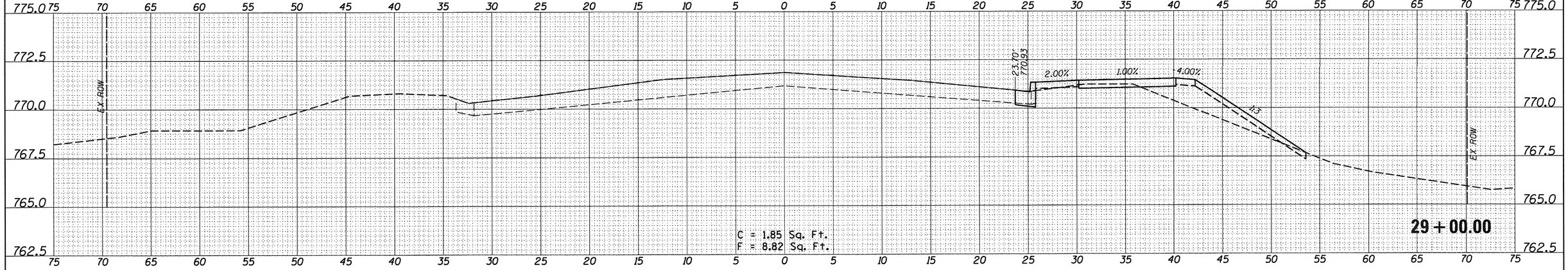
ALPINE ROAD CROSS SECTIONS

SCALE:1" = 5' | SHEET OF SHEETS | STA. 28+25.00 TO STA. 28+75.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0412	14-00609-00-BR	WINNEBAGO	89	76
		CONTRACT NO. 85656		
	ILLINOIS FED. AID PROJECT			







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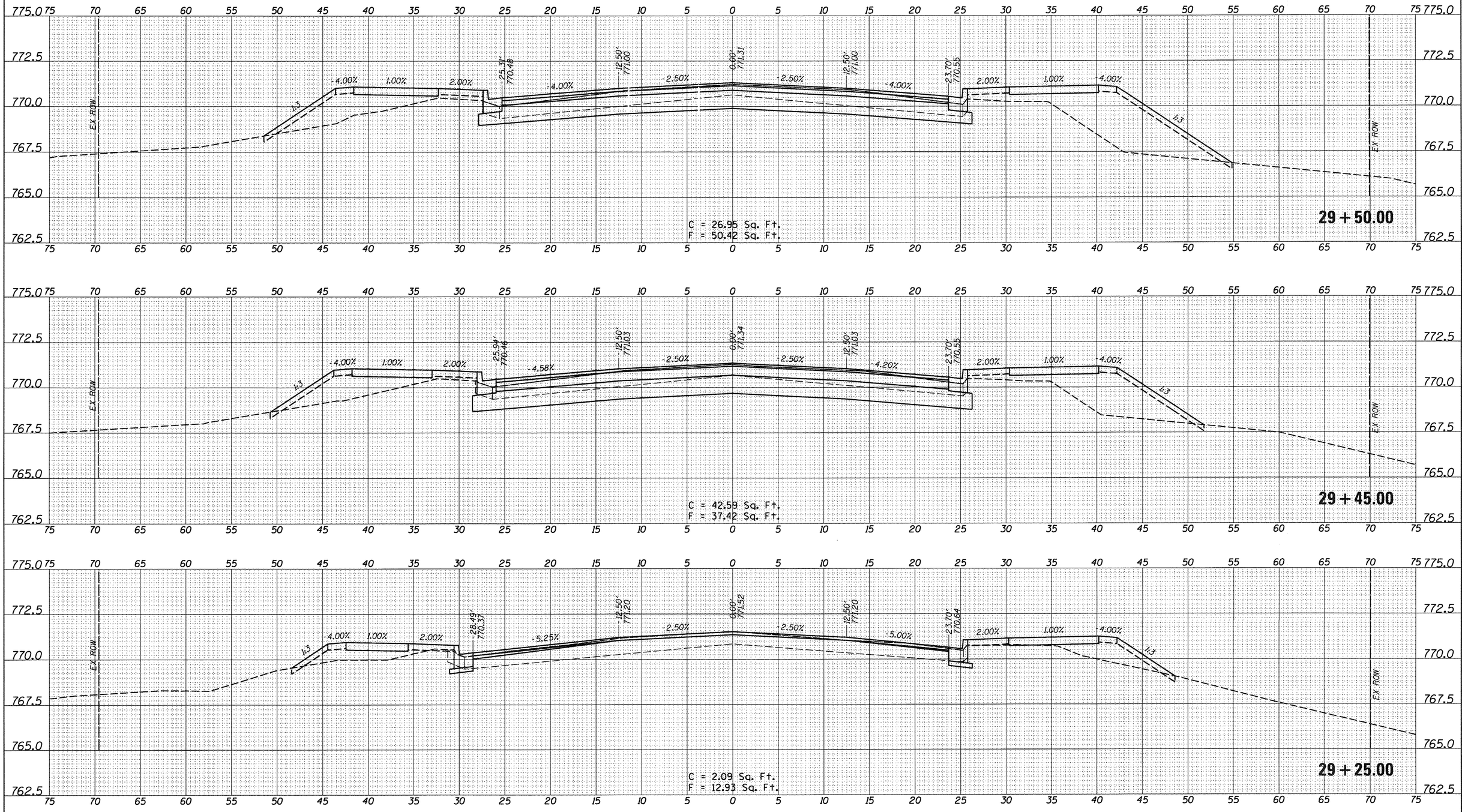
ALPNCCFP5	PLOT DATE = 4/20/2017	DATE - 4/19/17	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ALPINE ROAD CROSS SECTIONS

SCALE:1" = 5' | SHEET OF SHEETS | STA. 29+00.00 TO STA. 29+10.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0412	14-00609-00-BR	WINNEBAGO	89	77
		CONTRACT NO. 85656		
	ILLINOIS FED. AID PROJECT			



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ALPNCCFP5	PLOT DATE = 4/20/2017	DATE - 4/19/17	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ALPINE ROAD CROSS SECTIONS

SCALE:1" = 5' | SHEET OF SHEETS | STA. 29+25.00 TO STA. 29+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0412	14-00609-00-BR	WINNEBAGO	89	78
		CONTRACT NO. 85656		
		ILLINOIS FED. AID PROJECT		

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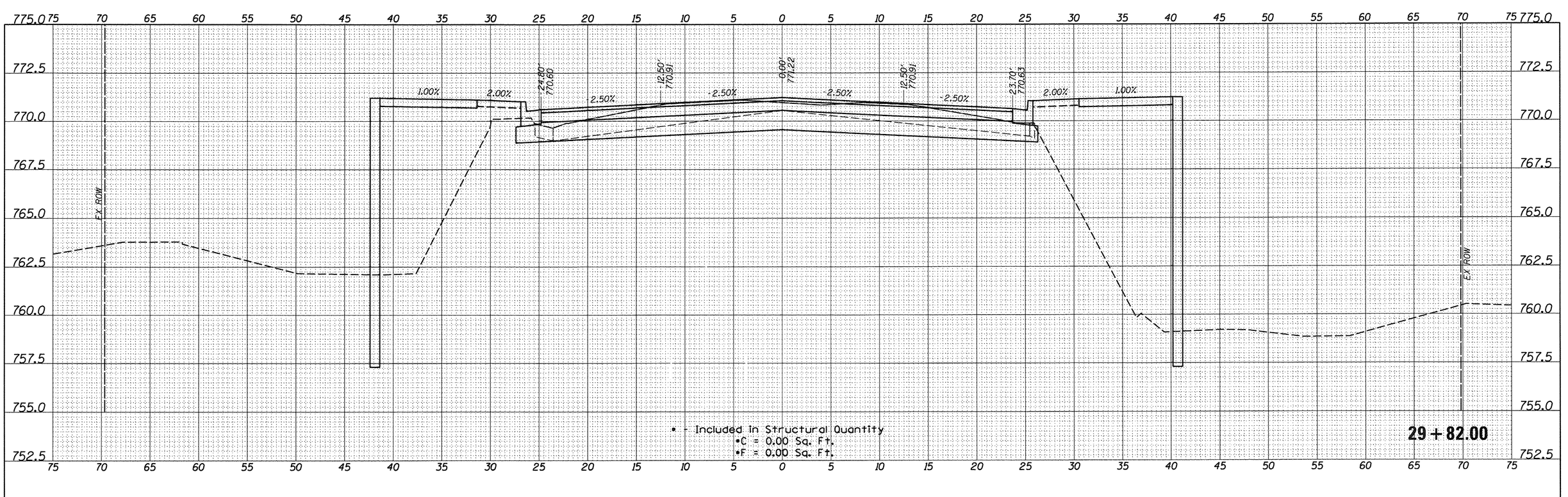

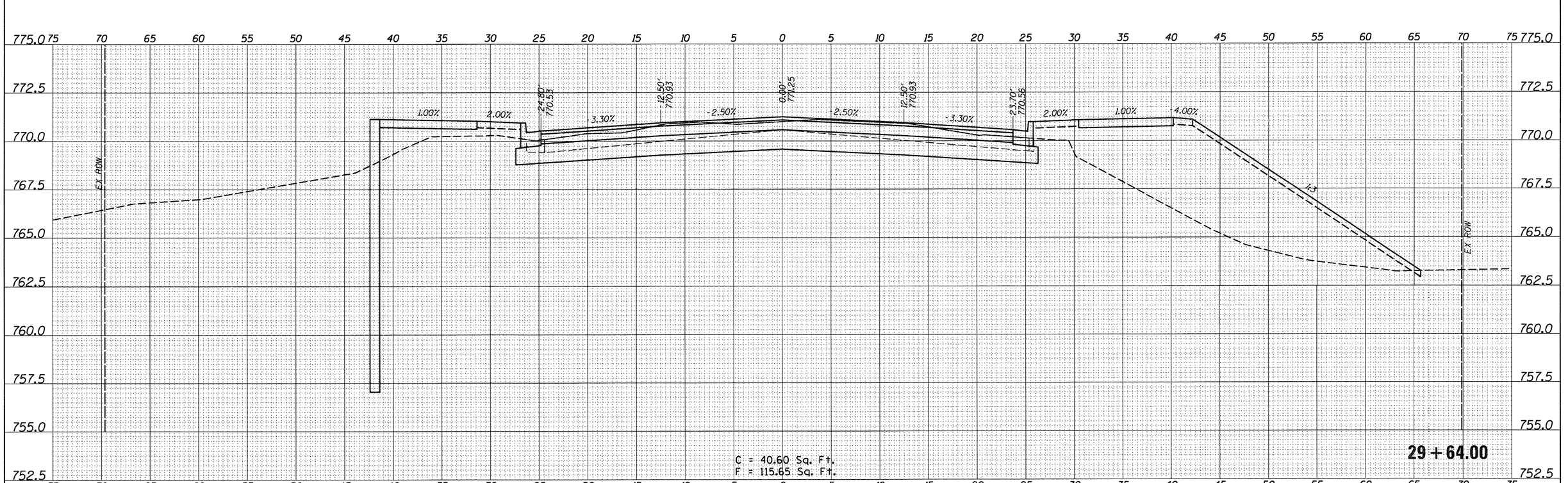

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	PLOT DATE = 4/20/2017	DATE - 4/19/17	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ALPINE ROAD CROSS SECTIONS

SCALE:1" = 5' | SHEET OF SHEETS | STA. 29+64.00 TO STA. 29+82.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0412	14-00609-00-BR	WINNEBAGO	89	79
		CONTRACT NO. 85656		
	ILLINOIS FED. AID PROJECT			

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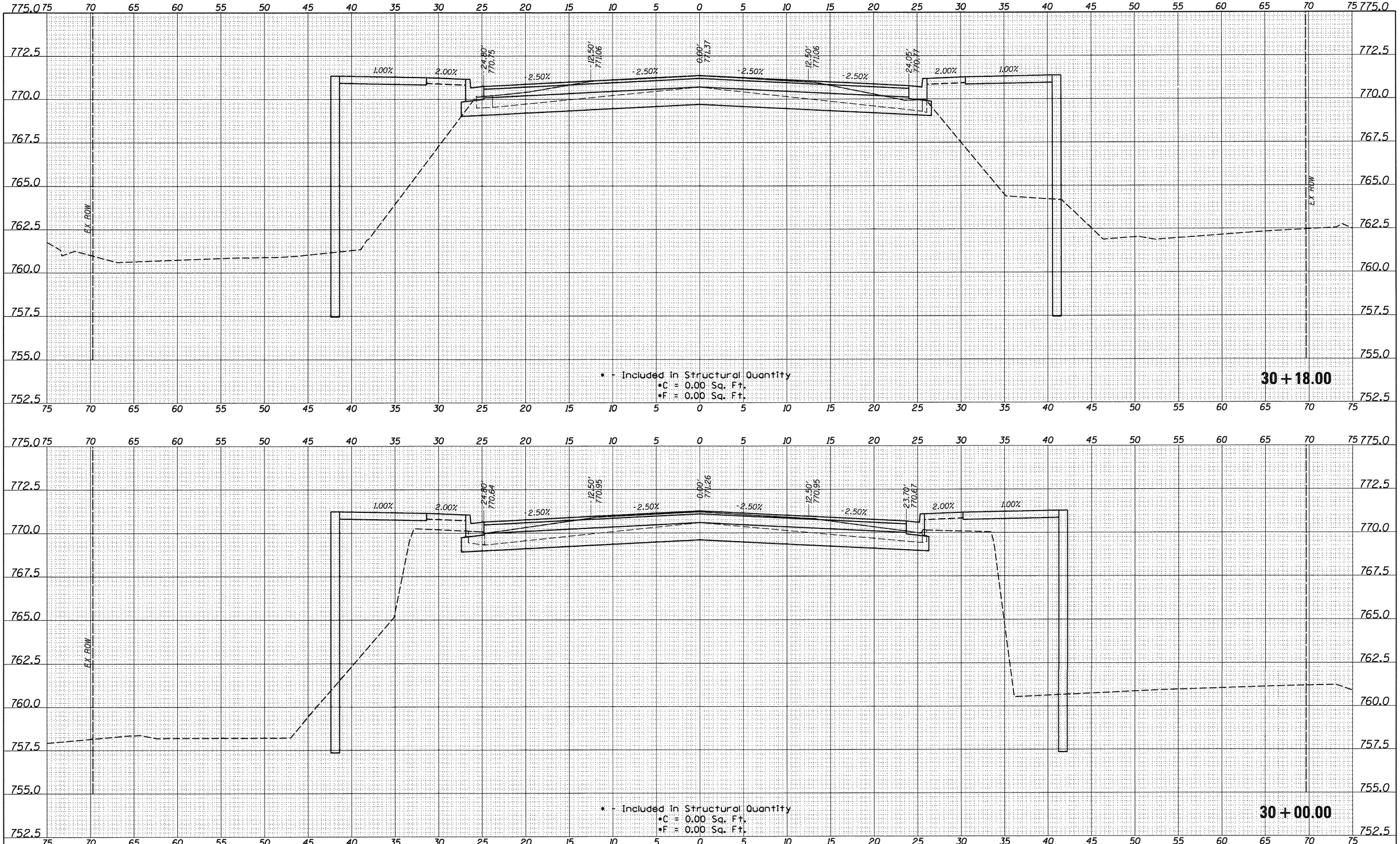

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ALPNCCFP5	PLOT DATE = 4/20/2017	DATE - 4/19/17	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ALPINE ROAD CROSS SECTIONS

SCALE:1" = 5' | SHEET OF SHEETS | STA. 30+00.00 TO STA. 30+18.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0412	14-00609-00-BR	WINNEBAGO	89	80
		CONTRACT NO. 85656		
	ILLINOIS FED. AID PROJECT			

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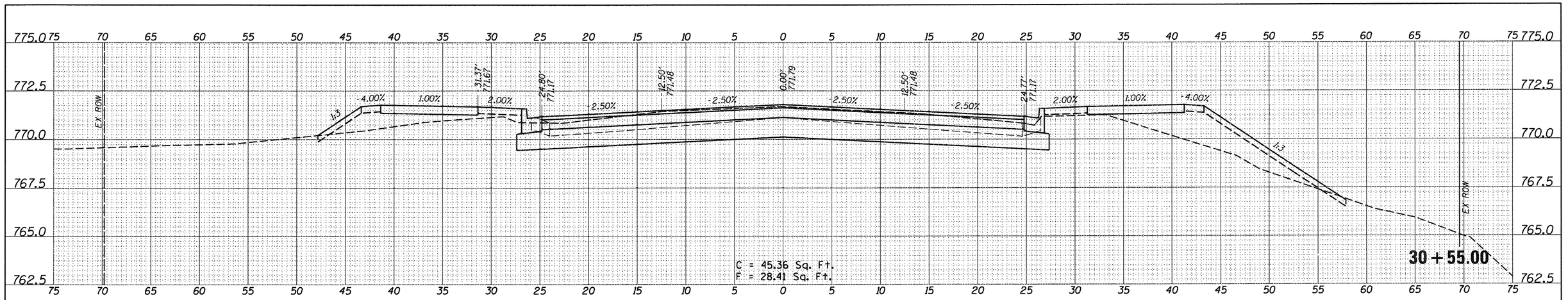

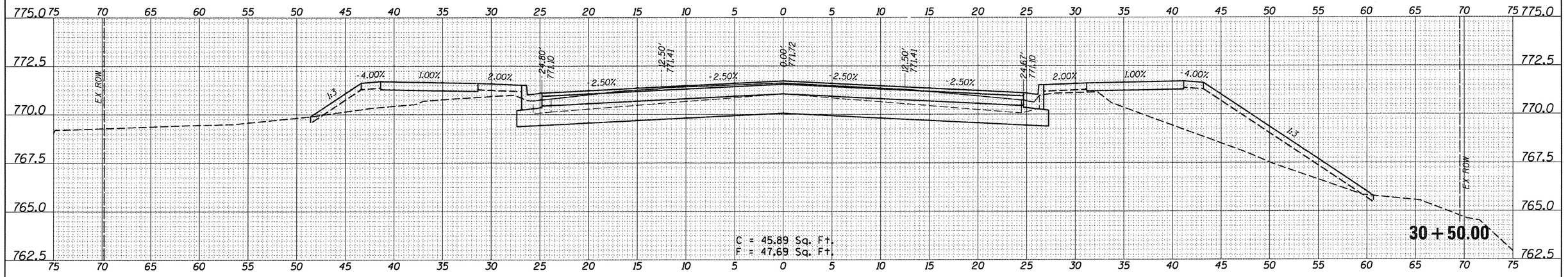

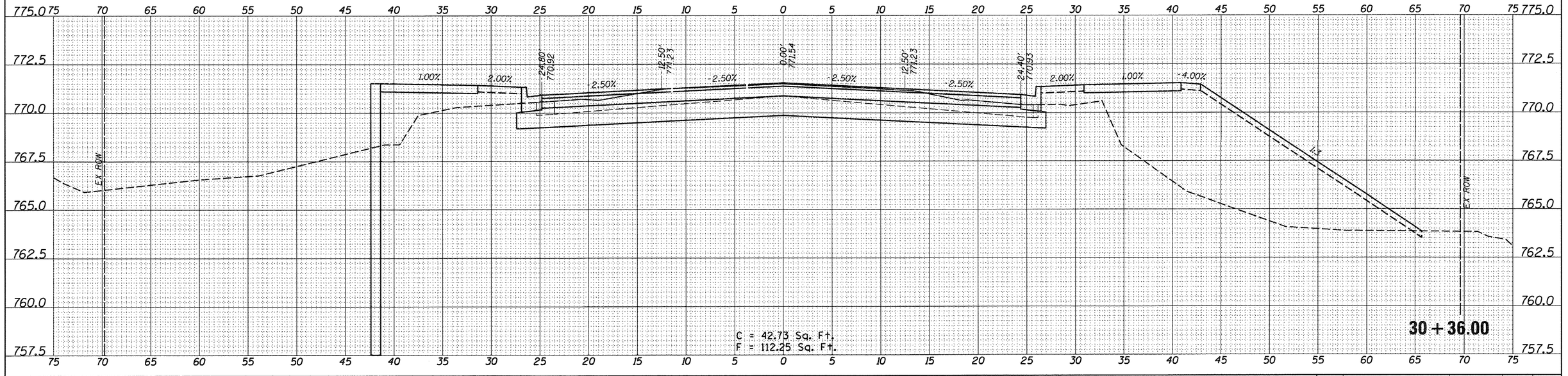

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ALPNCCFP5	PLOT DATE = 4/20/2017	DATE - 4/19/17	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ALPINE ROAD CROSS SECTIONS

SCALE:1" = 5' | SHEET OF SHEETS | STA. 30+36.00 TO STA. 30+55.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0412	14-00609-00-BR	WINNEBAGO	89	81
		CONTRACT NO. 85656		
	ILLINOIS FED. AID PROJECT			

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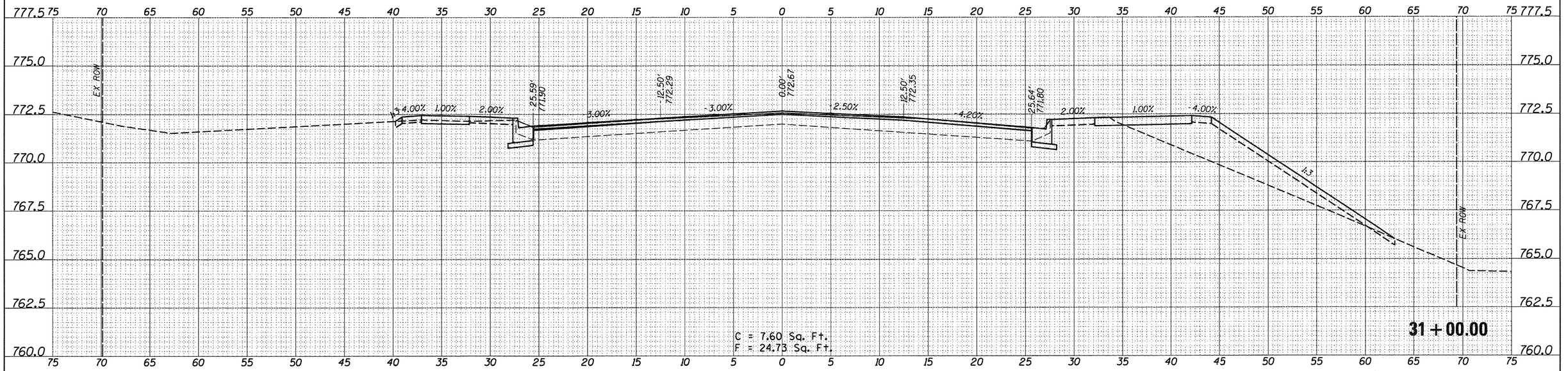

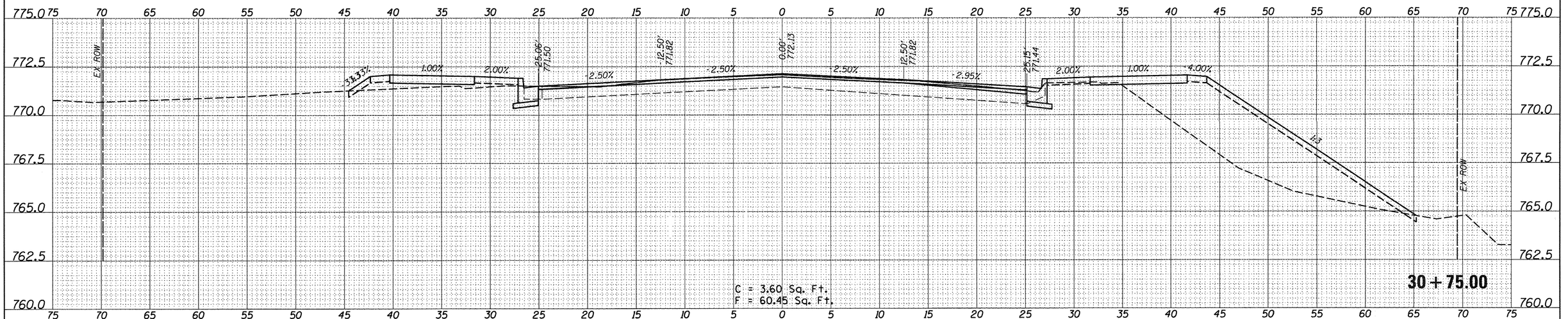

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ALPNCCFP5	PLOT SCALE = 5.0000 ' / in.	CHECKED - KMA	REVISED -
	PLOT DATE = 4/20/2017	DATE - 4/19/17	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ALPINE ROAD CROSS SECTIONS

SCALE:1" = 5' | SHEET OF SHEETS | STA. 30+75.00 TO STA. 31+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0412	14-00609-00-BR	WINNEBAGO	89	82
		CONTRACT NO. 85656		
	ILLINOIS FED. AID PROJECT			

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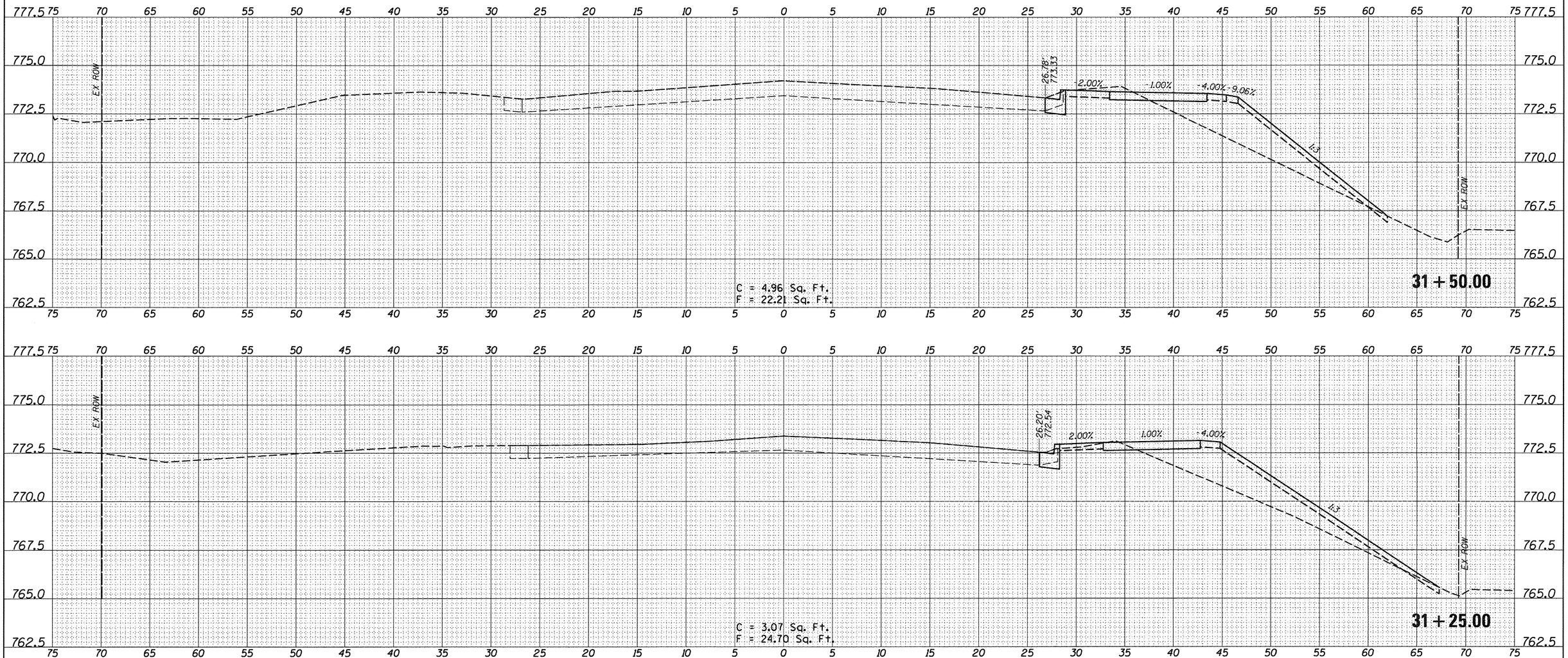

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	PLOT DATE = 4/20/2017	DATE - 4/19/17	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ALPINE ROAD CROSS SECTIONS

SCALE:1" = 5' | SHEET OF SHEETS | STA. 31+25.00 TO STA. 31+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0412	14-00609-00-BR	WINNEBAGO	89	83
		CONTRACT NO. 85656		
	ILLINOIS	FED. AID PROJECT		

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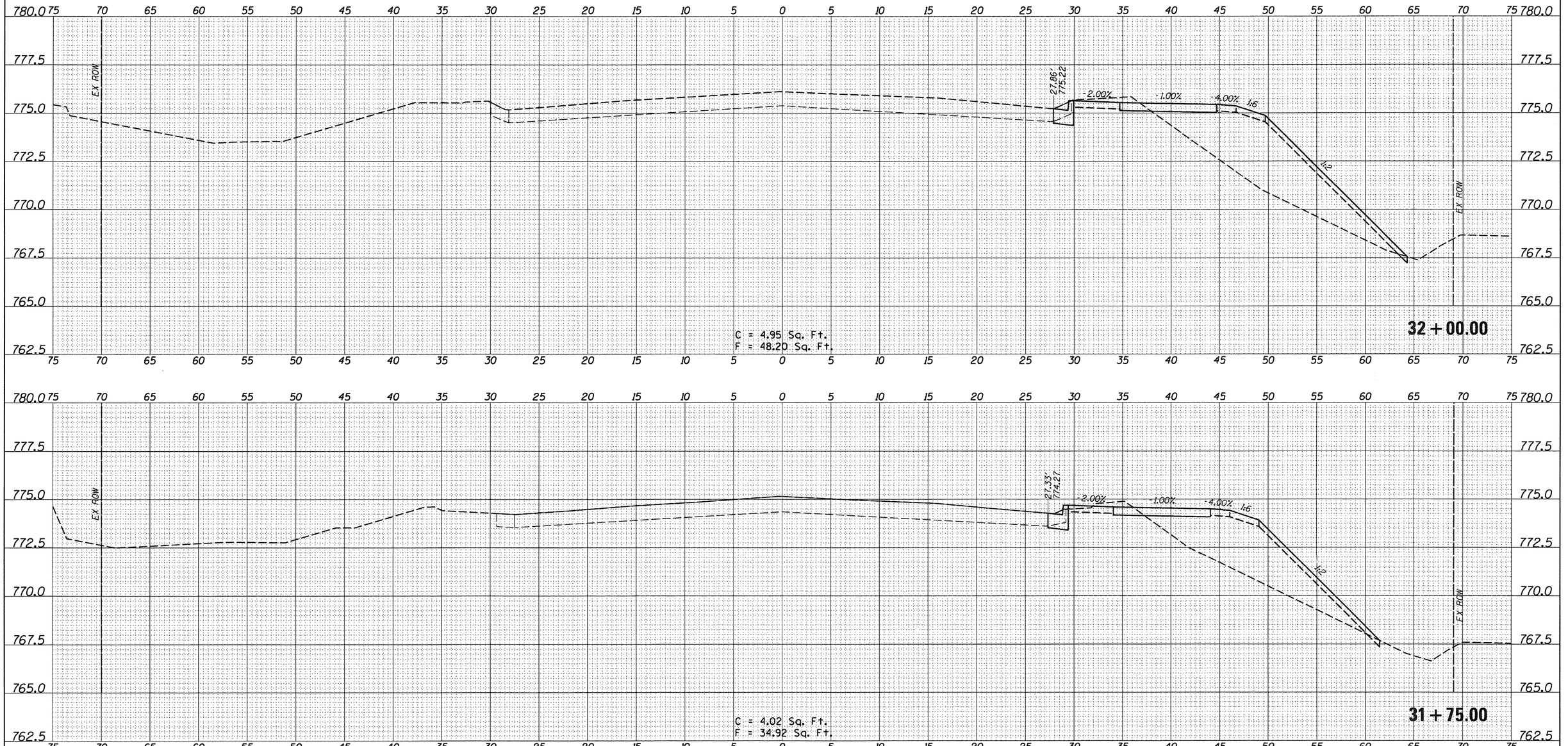

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ALPNCCFP5	PLOT DATE = 4/20/2017	DATE - 4/19/17	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ALPINE ROAD CROSS SECTIONS

SCALE:1" = 5' | SHEET OF SHEETS | STA. 31+75.00 TO STA. 32+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0412	14-00609-00-BR	WINNEBAGO	89	84
		CONTRACT NO. 85656		
	ILLINOIS	FED. AID PROJECT		

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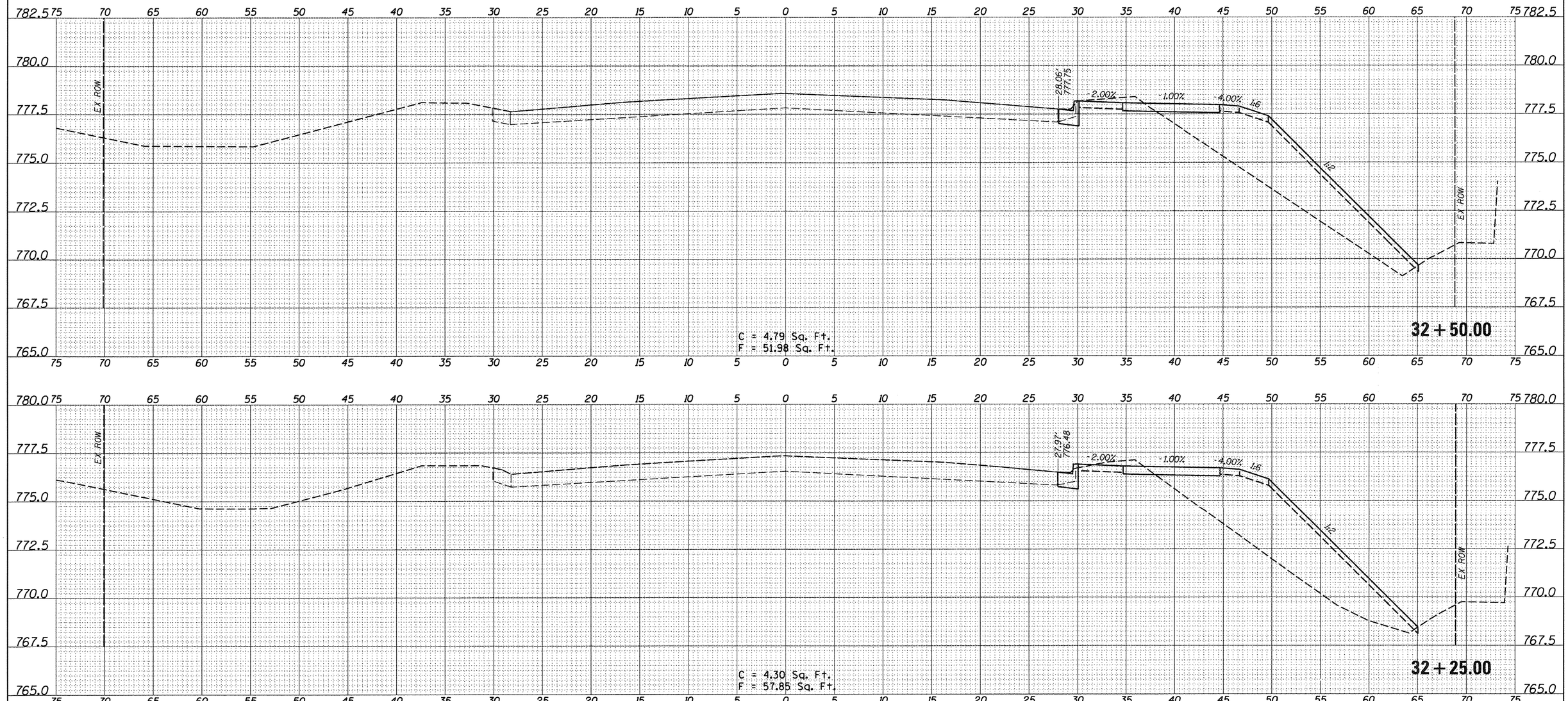

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ALPNCCFP5	PLOT DATE = 4/20/2017	DATE - 4/19/17	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ALPINE ROAD CROSS SECTIONS

SCALE:1" = 5' | SHEET OF SHEETS | STA. 32+25.00 TO STA. 32+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0412	14-00609-00-BR	WINNEBAGO	89	85
		CONTRACT NO. 85656		
	ILLINOIS FED. AID PROJECT			

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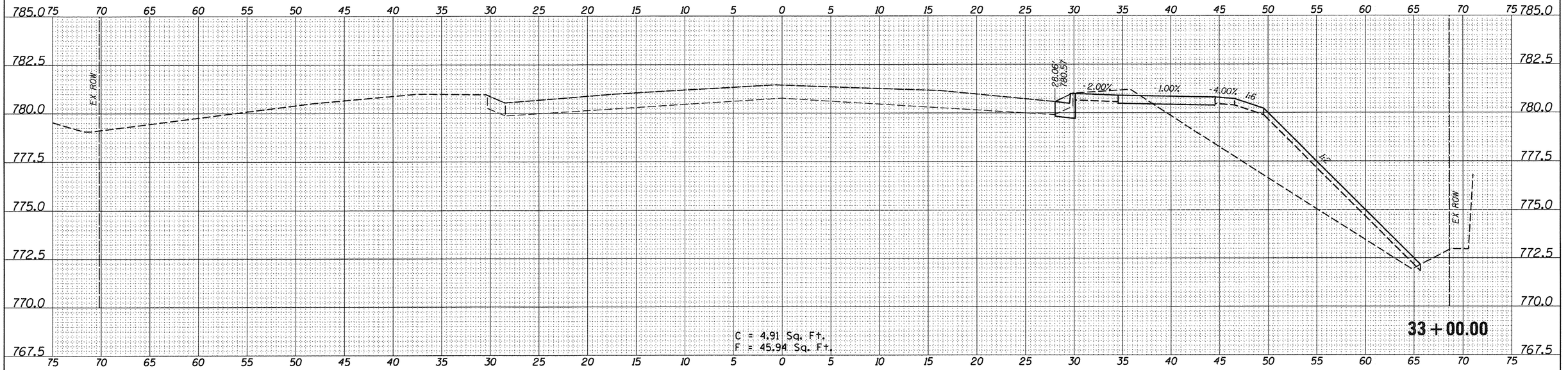

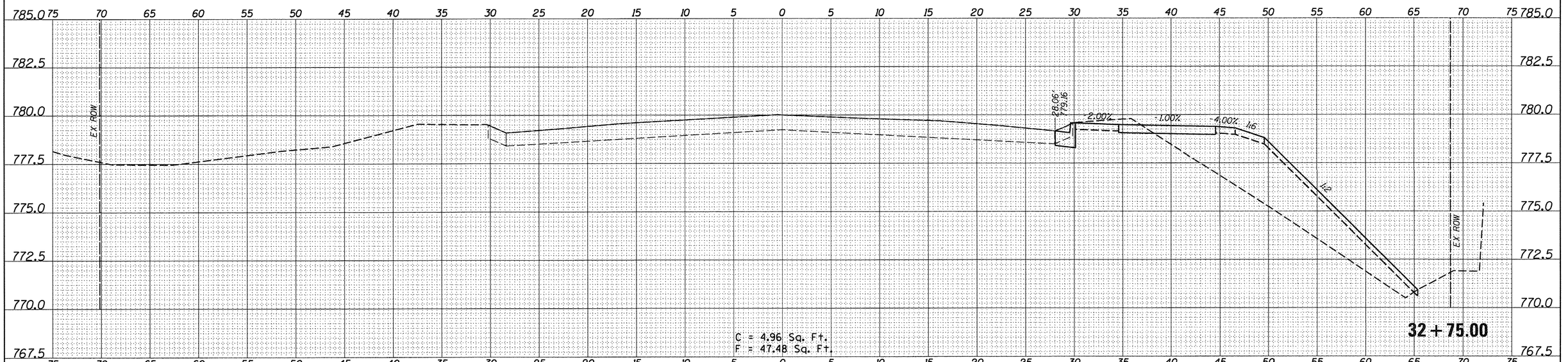

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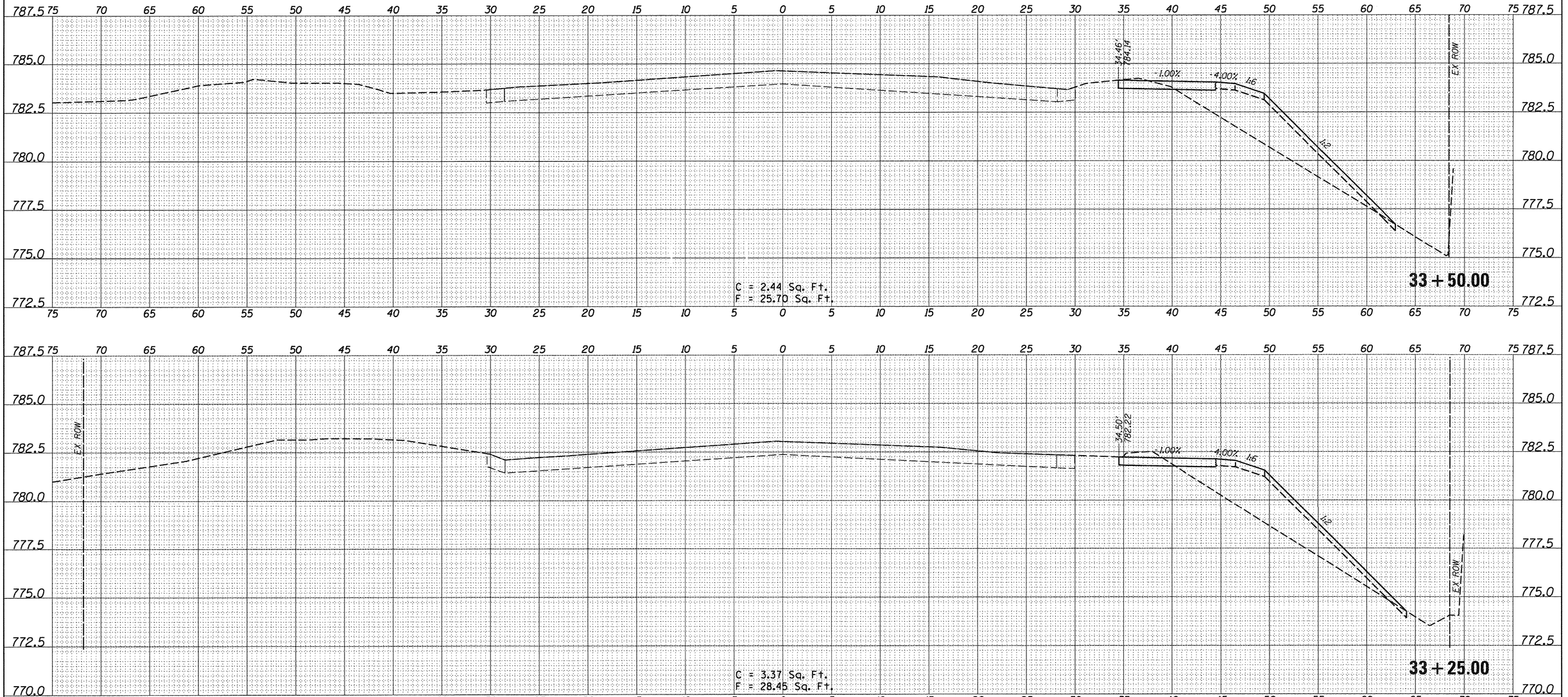
	PLOT DATE = 4/20/2017	DATE - 4/19/17	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ALPINE ROAD CROSS SECTIONS

SCALE:1" = 5' | SHEET OF SHEETS | STA. 32+75.00 TO STA. 33+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0412	14-00609-00-BR	WINNEBAGO	89	86
		CONTRACT NO. 85656		
	ILLINOIS FED. AID PROJECT			



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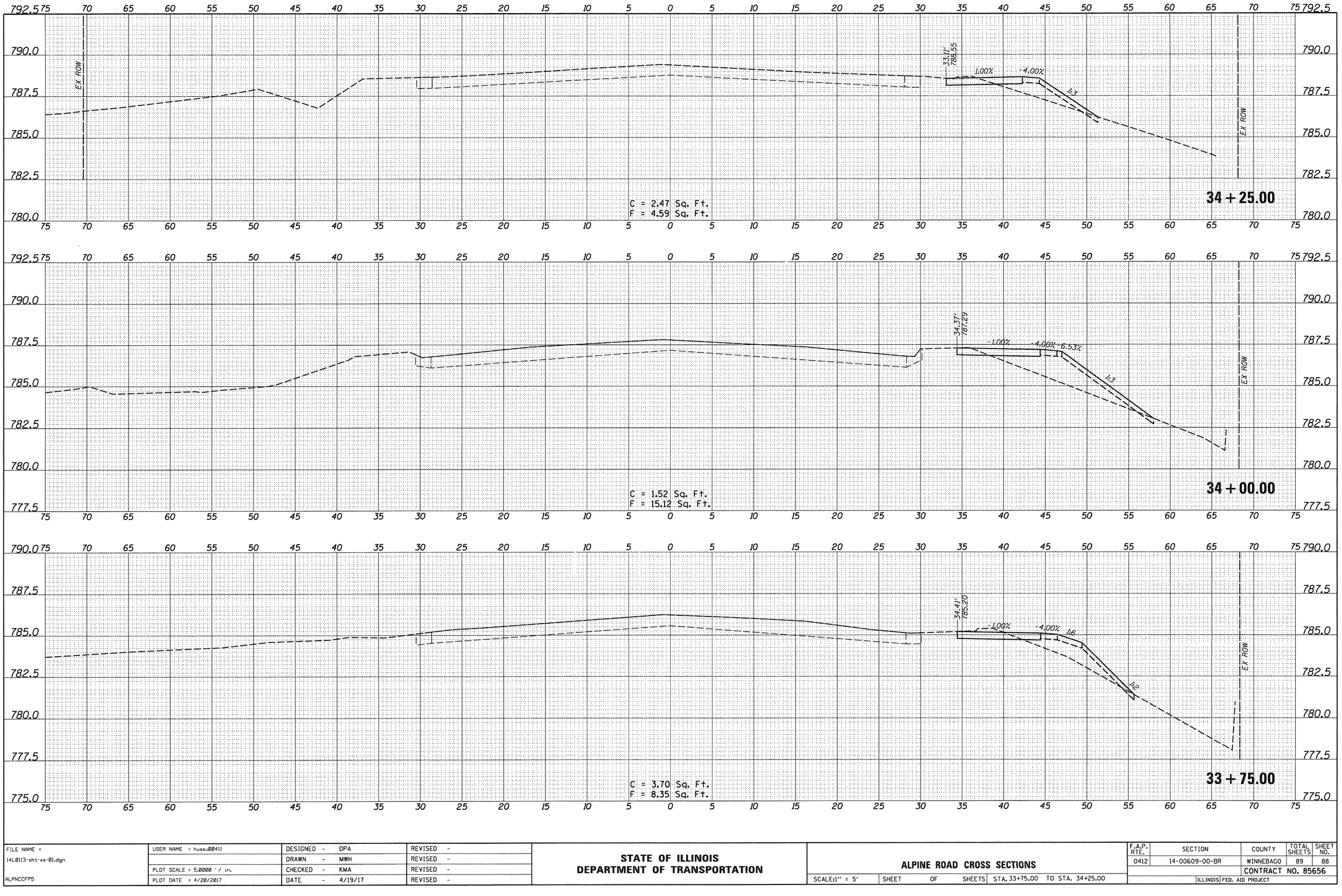
	PLOT DATE = 4/20/2017	DATE - 4/19/17	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ALPINE ROAD CROSS SECTIONS

SCALE:1" = 5' | SHEET OF SHEETS | STA. 33+25.00 TO STA. 33+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0412	14-00609-00-BR	WINNEBAGO	89	87
		CONTRACT NO. 85656		
	ILLINOIS	FED. AID PROJECT		



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ALPNCCFP5	PLOT DATE = 4/20/2017	DATE - 4/19/17	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ALPINE ROAD CROSS SECTIONS

SCALE:1" = 5' | SHEET OF SHEETS | STA. 33+75.00 TO STA. 34+25.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0412	14-00609-00-BR	WINNEBAGO	89	88
		CONTRACT NO. 85656		
	ILLINOIS FED. AID PROJECT			

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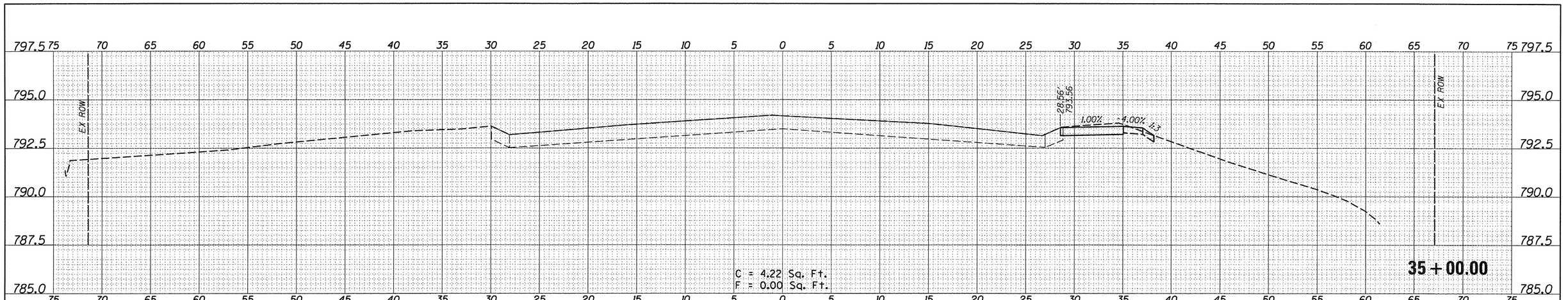

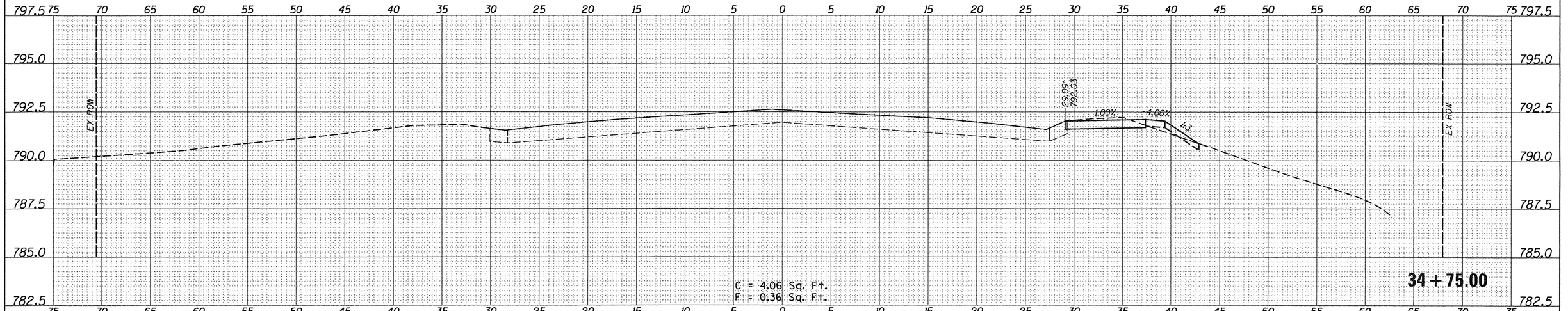

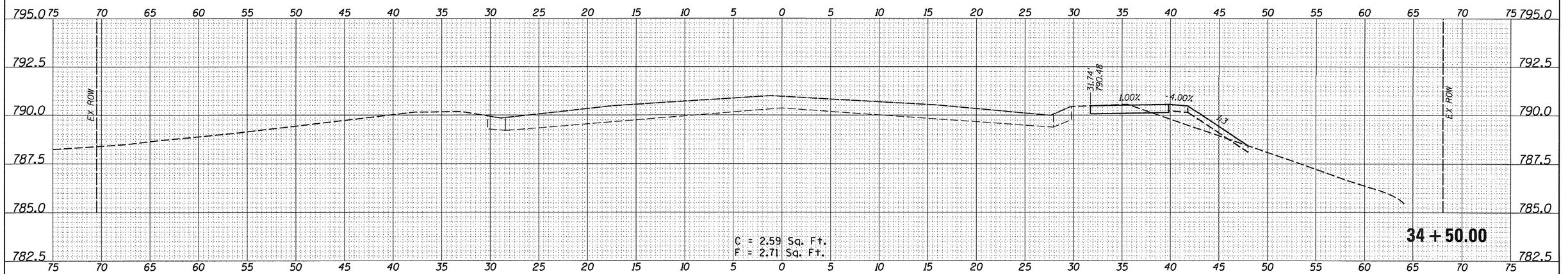

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ALPNCCFP5	PLOT DATE = 4/20/2017	DATE - 4/19/17	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ALPINE ROAD CROSS SECTIONS

SCALE:1" = 5' | SHEET OF SHEETS | STA. 34+50.00 TO STA. 35+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0412	14-00609-00-BR	WINNEBAGO	89	89
		CONTRACT NO. 85656		
	ILLINOIS FED. AID PROJECT			