03-04-2016 LETTING ITEM 021

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
541	(X-J-C)R-1	LAKE	56 *	1
	ILLINOIS	CONTRACT NO. 62B73		

* 56+2=58

D-91-603-10

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

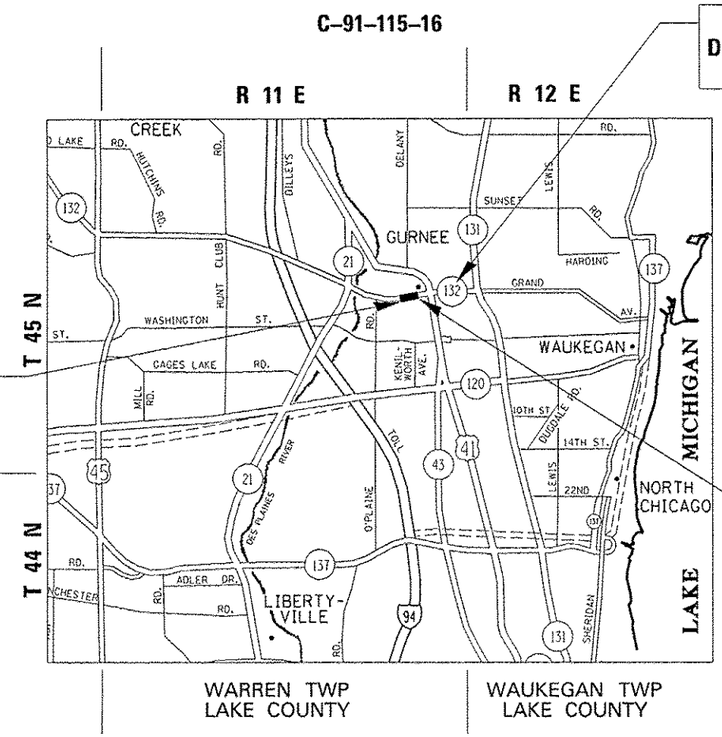
PROPOSED
HIGHWAY PLANS

F.A.P. 541: IL ROUTE 132
SECTION: (X–J–C)R–1
FERNDALE STREET TO ESTES STREET
RECONSTRUCTION
PROJECT: ACNHPP-0541 (015)
LAKE COUNTY

LOCATION OF SECTION INDICATED THUS: –

C–91–115–16

INCLUDE COMMERCIAL DRIVEWAY IMPROVEMENTS STA. 29+87.05 RT



IMPROVEMENT BEGINS STA. 10+60

IMPROVEMENT ENDS STA. 16+23

N

LOCATION MAP (NOT TO SCALE)

TRAFFIC DATA:
2013 ADT =18,400
SPEED LIMIT =35 MPH

WARREN TWP
LAKE COUNTY

WAUKEGAN TWP
LAKE COUNTY

GROSS AND NET LENGTH OF PROJECT = 563 FT. = 0.107 MILE

0 100' 200' 300' — 1" = 100'
0 10' 20' 30' — 1" = 10'
0 50' 100' — 1" = 50'
0 50' 100' — 1" = 40'
0 50' 100' — 1" = 30'
0 50' 100' — 1" = 20'

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

THIS IMPROVEMENT IS LOCATED IN THE VILLAGE OF GURNEE

FOR INDEX OF SHEETS, SEE SHEET NO. 2

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED December 18 20 15

John Fortmann PE
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

Jan 29 20 16

Maureen M. Addis, PE
ACTING ENGINEER OF DESIGN AND ENVIRONMENT

Jan 29 20 16

Omer Osman PE
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

PROJECT ENGINEER: DAN WILGREEN (847) 705–4240
PROJECT MANAGER: KEN ENG

CONTRACT NO. 62B73

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

INDEX OF SHEETS

STATE STANDARDS

STANDARD NO.	DESCRIPTION
000001-06	TYPICAL SYMBOLS, ABBREVIATIONS AND PATTERNS
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
420001-08	PAVEMENT JOINTS
420101-05	24' JOINTED PCC PAVEMENT
420106-05	36' JOINTED PCC PAVEMENT
420111-03	PCC PAVEMENT ROUNDOUTS
424001-08	PERPENDICULAR CURP RAMPS FOR SIDEWALKS
424011-02	CORNER PARALLEL CURB RAMPS FOR SIDEWALKS
424021-03	DEPRESSED CORNER FOR SIDEWALKS
602001-02	CATCH BASIN TYPE A
604091-03	FRAME AND GRATE TYPE 24
606001-06	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
701101-04	OFF-RD OPERATIONS, MULTILANE, 15' TO 24" FROM PAVEMENT EDGE
701106-02	OFF-RD OPERATIONS, MULTILANE, MORE THAN 15' (4.5M) AWAY
701427-03	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPER., FOR SPEEDS <= 40 MPH
701606-10	URBAN LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
701611	URBAN HALF ROAD CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
701701-09	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-05	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-04	TRAFFIC CONTROL DEVICES
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

HOT-MIX ASPHALT MIXTURE REQUIREMENTS		QUALITY MANAGEMENT PROGRAM (QMP)
MIXTURE TYPE	AIR VOIDS(%) @ $N_{DES.}$	
CLASS D PATCHING, 10"		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (IL-9.5 mm), 2"	4% @ 70 GYR	QC/QA
HMA BINDER IL-19.0, 8"	4% @ 70 GYR	QC/QA
DRIVEWAYS		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL 9.5 mm), 2"	4% @ 50 GYR	QC/QA
HMA BASE COURSE (HMA BINDER IL-19 mm), PE - 6" CE - 8"	4% @ 50 GYR	QC/QA
TEMPORARY PAVEMENT		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (IL-9.5 mm), 2"	4% @ 70 GYR	QC/QA
TEMP PAVEMENT (HMA BINDER IL-19 mm), 7 1/2"	4% @ 70 GYR	QC/QA
TEMPORARY SIDEWALK		
TEMP PAVEMENT (HMA BINDER IL-19 mm), 5"	4% @ 70 GYR	QC/QA
QMP DESIGNATION: QUALITY CONTROL FOR PERFORMANCE(QCP); QUALITY CONTROL/QUALITY ASSURANCE(QA/QC)		

THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LBS/SQ YD/IN.

THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISIONS. FOR USE OF RECYCLED MATERIALS SEE SPECIAL PROVISIONS. QUALITY MANAGEMENT PROGRAM (QMP) IDENTIFIES THE PARTICULAR QUALITY CONTROL SPECIFICATION THAT APPLIES TO THE HMA MIXTURE

ALL TEMPORARY PAVEMENT SHALL BE PROVIDED OVER A 4" SUBBASE GRANULAR MATERIAL TY B.

PCC TEMPORARY PAVEMENT SHALL CONSIST OF CLASS PV CONCRETE MEETING THE REQUIREMENTS OF ART. 1020 OF THE STANDARD SPECIFICATIONS; THICKNESS SHALL BE 9 1/2". TEMPORARY PCC PAVEMENT DOES NOT REQUIRE DOWEL BARS

GENERAL NOTES

1. THE CONTRACTOR SHALL MAINTAIN ALL ROADWAYS OPEN TO TRAFFIC AS SHOWN ON THE MAINTENANCE OF TRAFFIC PLANS.
2. BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE" AT (800) 892-0123 OR 811 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE, AND GAS FACILITIES. (48 HOUR NOTIFICATION REQUIRED) CONTACT MR. DAVID ZIEGLER, DIRECTOR OF COMMUNITY DEVELOPMENT, VILLAGE OF GURNEE AT (847) 599-7550 OR MR. THOMAS RIGWOOD, DIRECTOR OF PUBLIC WORKS AT (847) 599-6800 FOR WATER AND SEWER LOCATIONS.
3. TEN (10) FOOT TRANSITIONS SHALL BE USED TO MATCH PROPOSED CURB AND GUTTER AND MEDIAN ITEMS OF WORK TO EXISTING CURBS AND GUTTER AND MEDIANS IN THE FIELD, UNLESS OTHERWISE SHOWN. THE TRANSITIONS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR THE PROPOSED ITEMS OF WORK SPECIFIED.
4. THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT THE WRITTEN PERMISSION OF THE DEPARTMENT.
5. NIGHT OPERATIONS: WHEN ARTIFICIAL LIGHTING IS UTILIZED IN NIGHT OPERATIONS, THE CONTRACTOR SHALL EXERCISE THE UTMOST PRECAUTION IN PREVENTING ADVERSE VISIBILITY TO THE MOTORING PUBLIC AS WELL AS THE ADJOINING RESIDENTIAL AREAS.
6. USE NO.8 EPOXY-COATED TIE BARS CONFORMING TO ARTICLE 1006.1 (B)(2) OF THE STANDARD SPECIFICATION FOR LONGITUDINAL CONSTRUCTION JOINT, GROUTED-IN-PLACE TIE BARS, AS SHOWN ON STATE STANDARDS 420001, AND FOR TYING PCC PAVEMENT WIDENING TO EXISTING CONCRETE PAVEMENT AS SHOWN ON THE PLANS. THE COST OF THIS ITEM SHALL BE INCLUDED IN THE COST OF THE PAVEMENT ITEMS BEING CONSTRUCTED.
7. SPECIAL UTILITY NOTE: DUE TO THE CONSTRUCTION ACTIVITIES BY OTHERS IN THE PROJECT AREA, UTILITY LOCATIONS SHOWN ON THESE PLANS MAY NOT BE CORRECT OR COMPLETE. THE CONTRACTOR SHALL CONTACT J.U.L.I.E. (SEE NOTE 2) PRIOR TO CONSTRUCTION AND COORDINATE ACTIVITIES WITH THE ENGINEER.
8. ALL ELEVATIONS REFER TO U.S.G.S. MEAN SEA LEVEL DATUM.
9. STORM SEWER - WATER MAIN QUALITY IS TO BE USED AT LOCATIONS WHERE LATERAL SEPARATION BETWEEN THE SEWER AND WATER MAIN IS LESS THAN 10 FEET AND THE WATER MAIN INVERT IS LESS THAN 1.5 FEET ABOVE THE STORM SEWER CROWN.
10. STORM SEWER, RUBBER GASKET IS TO BE USED AT LOCATIONS WHERE THE WATER MAIN CROSSES BELOW THE SEWER, REGARDLESS OF VERTICAL SEPARATION OR WHERE THE BOTTOM OF THE WATER MAIN IS LESS THAN 1.5 FEET ABOVE THE TOP OF THE SEWER.
11. BEFORE ORDERING STORM SEWERS AND CATCH BASINS, THE CONTRACTOR SHALL REVIEW DRAINAGE SCHEDULES FOUND IN THE PLANS AS TO THE EXACT LENGTH AND QUANTITY REQUIRED.
12. THE CONTRACTOR SHALL MAINTAIN THE SURFACE DRAINAGE OF ALL ROADWAYS DURING CONSTRUCTION OF THIS PROJECT. WHEN EXISTING DRAINAGE FACILITIES ARE DISTURBED, THE CONTRACTOR SHALL PROVIDE AND MAINTAIN TEMPORARY OUTLETS AND CONNECTIONS FOR ALL PRIVATE OR PUBLIC DRAINS, SEWERS, INLETS AND CATCH BASINS. THE CONTRACTOR SHALL PROVIDE FACILITIES TO TAKE IN ALL STORM WATER, WHICH WILL BE RECEIVED BY THESE DRAINS AND SEWERS AND DISCHARGE SAME. THE CONTRACTOR SHALL PROVIDE AND MAINTAIN A TEMPORARY OUTLET AND BE PREPARED AT ALL TIMES TO DISPOSE OF THE WATER RECEIVED FROM THESE TEMPORARY CONNECTIONS UNTIL INSTALLATION IS COMPLETE, INCLUDING PAVEMENT. THIS WORK SHALL NOT BE PAID FOR DIRECTLY BUT SHALL BE CONSIDERED INCLUDED IN THE CONTRACT. COORDINATION WITH ALL AGENCIES INVOLVED IS REQUIRED.
13. THE CONTRACTOR SHALL CONTACT THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR AT (847) 705-4470 A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
14. THE RESIDENT ENGINEER SHALL CONTACT MR. WALTER CZARNY, AREA TRAFFIC FIELD ENGINEER VIA E-MAIL AT WALTER.CZARNY@ILLINOIS.GOV, A MINIMUM OF TWO (2) WEEKS PRIOR TO PLACEMENT OF PERMANENT PAVEMENT MARKINGS.
15. THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ACCESS TO ABUTTING PROPERTY AT ALL TIMES DURING THE CONSTRUCTION OF THIS PROJECT.
16. DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS.
17. DOUBLE LANE MARKERS ARE TO BE USED AS SHOWN ON THE DISTRICT ONE DETAIL "TYPICAL APPLICATIONS - RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)" SHOWN IN THE PLANS.
18. EXISTING BROKEN FRAMES AND LIDS SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR AND SHALL BE REPLACED AS DIRECTED BY THE ENGINEER. REPLACEMENT FRAMES AND LIDS WILL BE PAID FOR ACCORDING TO ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS UNLESS A SEPARATE PAY ITEM HAS BEEN PROVIDED.
19. ALL SIDEWALK RAMPS WITHIN THE LIMITS OF THE PROJECT SHALL CONFORM TO CURRENT ADA REQUIREMENTS AND APPLICABLE STATE HIGHWAY STANDARDS OR AS DETERMINED BY THE ENGINEER. ALL PROPOSED SIDEWALK SHALL HAVE NO GREATER THAN 2.0 % CROSS SLOPE, INCLUDING PROPOSED SIDEWALK THROUGH DRIVEWAYS. ALL PROPOSED SIDE CURB QUANTITIES ARE INCLUDED IN THE PCC SIDEWALK, 5" QUANTITIES AND PAID FOR AS SUCH.
20. WET REFLECTIVE TEMPORARY TAPE, TYPE III SHALL BE USED FOR TEMPORARY PAVEMENT MARKING AND SHORT TERM PAVEMENT MARKING ON ALL FINAL SURFACES.
21. FINAL SIGN LOCATIONS TO BE DETERMINED IN THE FIELD BY THE ENGINEER.

SUMMARY OF QUANTITIES			URBAN	CONSTRUCTION TYPE CODE					
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	80% FEDERAL 20% STATE 0004					
20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	1	1					
20200100	EARTH EXCAVATION	CU YD	1102	1102					
20800150	TRENCH BACKFILL	CU YD	349	349					
21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	383	383					
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	5	5					
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	5	5					
25100630	EROSION CONTROL BLANKET	SQ YD	1500	1500					
25200110	SODDING, SALT TOLERANT	SQ YD	383	383					
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	31	31					
28000400	PERIMETER EROSION BARRIER	FOOT	688	688					
28000510	INLET FILTERS	EACH	17	17					
30300112	AGGREGATE SUBGRADE IMPROVEMENT 12"	SQ YD	2944	2944					
31101200	SUBBASE GRANULAR MATERIAL, TYPE B 4"	SQ YD	507	507					
35501308	HOT-MIX ASPHALT BASE COURSE, 6"	SQ YD	63	63					
35501316	HOT-MIX ASPHALT BASE COURSE, 8"	SQ YD	128	128					
40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	191	191					
* SPECIALTY	ITEMS								

SUMMARY OF QUANTITIES			URBAN	CONSTRUCTION TYPE CODE					
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	80% FEDERAL 20% STATE 0004					
40600985	PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT	SQ YD	72	72					
40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	30	30					
42000411	PORTLAND CEMENT CONCRETE PAVEMENT 9 1/2" (JOINTED)	SQ YD	2661	2661					
42001300	PROTECTIVE COAT	SQ YD	3239	3239					
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	2620	2620					
42400410	PORTLAND CEMENT CONCRETE SIDEWALK 8 INCH	SQ FT	430	430					
42400800	DETECTABLE WARNINGS	SQ FT	83	83					
44000100	PAVEMENT REMOVAL	SQ YD	2583	2583					
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	220	220					
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	901	901					
44000600	SIDEWALK REMOVAL	SQ FT	3388	3388					
44201769	CLASS D PATCHES, TYPE III, 10 INCH	SQ YD	22	22					
44201771	CLASS D PATCHES, TYPE IV, 10 INCH	SQ YD	32	32					
550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	FOOT	54	54					
* SPECIALTY	ITEMS								

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 132 (FERNDALE ST TO ESTES ST)
SUMMARY OF QUANTITIES

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
541	(X-J-CIR-1	LAKE	56	3
		CONTRACT NO. 62B73		

FED. ROAD DIST. NO. 1 | ILLINOIS | FED. AID PROJECT

	SUMMARY OF QUANTITIES		URBAN	CONSTRUCTION TYPE CODE					
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	80% FEDERAL 20% STATE 0004					
550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	FOOT	179	179					
550A0360	STORM SEWERS, CLASS A, TYPE 2 15"	FOOT	362	362					
55100500	STORM SEWER REMOVAL 12"	FOOT	48	48					
60200205	CATCH BASINS, TYPE A, 4'-DIAMETER,	EACH	1	1					
	TYPE 1 FRAME, CLOSED LID								
60201340	CATCH BASINS, TYPE A, 4'-DIAMETER,	EACH	7	7					
	TYPE 24 FRAME AND GRATE								
60300305	FRAMES AND LIDS TO BE ADJUSTED	EACH	6	6					
60500060	REMOVING INLETS	EACH	3	3					
60603800	COMBINATION CONCRETE CURB AND GUTTER,	FOOT	131	131					
	TYPE B-6.12								
60605000	COMBINATION CONCRETE CURB AND GUTTER,	FOOT	621	621					
	TYPE B-6.24								
* 66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	700	700					
* 66900450	SPECIAL WASTE PLANS AND REPORTS	LSUM	1	1					
* 66900530	SOIL DISPOSAL ANALYSIS	EA	1	1					
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	6	6					
* SPECIALTY	ITEMS								

	SUMMARY OF QUANTITIES		URBAN	CONSTRUCTION TYPE CODE					
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	80% FEDERAL 20% STATE 0004					
67100100	MOBILIZATION	LSUM	1	1					
70106800	CHANGEABLE MESSAGE SIGN	CAL MO	6	6					
70107004	PAVEMENT MARKING BLACKOUT TAPE, 4"	FOOT	835	835					
70107006	PAVEMENT MARKING BLACKOUT TAPE, 6"	FOOT	110	110					
70107012	PAVEMENT MARKING BLACKOUT TAPE, 12"	FOOT	60	60					
70300100	SHORT TERM PAVEMENT MARKING	FOOT	387	387					
~~70300210~~	~~TEMPORARY PAVEMENT MARKING~~	~~SQ FT~~	~~63~~	~~63~~					
	~~LETTERS AND SYMBOLS~~								
~~70300220~~	~~TEMPORARY PAVEMENT MARKING - LINE 4"~~	~~FOOT~~	~~1200~~	~~1200~~					
~~70300260~~	~~TEMPORARY PAVEMENT MARKING - LINE 12"~~	~~FOOT~~	~~274~~	~~274~~					
~~70300280~~	~~TEMPORARY PAVEMENT MARKING - LINE 24"~~	~~FOOT~~	~~36~~	~~36~~					
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	3693	3693					
* 72000100	SIGN PANEL - TYPE 1	SQ FT	57	57					
* 72400100	REMOVE SIGN PANEL ASSEMBLY - TYPE A	EACH	2	2					
* 72400200	REMOVE SIGN PANEL ASSEMBLY - TYPE B	EACH	1	1					
* 72400500	RELOCATE SIGN PANEL ASSEMBLY - TYPE A	EACH	2	2					
* SPECIALTY	ITEMS								

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PLOT DATE = 12/23/2015 | DATE - | REVISED - | REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 132 (FERNDALE ST TO ESTES ST)
SUMMARY OF QUANTITIES

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
541	(X-J-CIR-1	LAKE	56	4

CONTRACT NO. 62B73

FED. ROAD DIST. NO. 1 | ILLINOIS | FED. AID PROJECT

	SUMMARY OF QUANTITIES			URBAN	CONSTRUCTION TYPE CODE					
	CODE NO	ITEM	UNIT	TOTAL QUANTITIES	80% FEDERAL 20% STATE 0004					
*	72400600	RELOCATE SIGN PANEL ASSEMBLY - TYPE B	EACH	1	1					
*	72900100	METAL POST - TYPE A	FOOT	85	85					
*	72900200	METAL POST - TYPE B	FOOT	83	83					
*	78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	195	195					
*	78008200	POLYUREA PAVEMENT MARKING TYPE I -	SQ FT	63	63					
		LETTERS AND SYMBOLS								
*	78008210	POLYUREA PAVEMENT MARKING TYPE I - LINE 4"	FOOT	1005	1005					
*	78008250	POLYUREA PAVEMENT MARKING TYPE I - LINE 12"	FOOT	274	274					
*	78008270	POLYUREA PAVEMENT MARKING TYPE I - LINE 24"	FOOT	36	36					
*	78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	39	39					
	78300100	PAVEMENT MARKING REMOVAL	SQ FT	29	29					
	78300200	RAISED REFLECTIVE PAVEMENT MARKER	EACH	39	39					
		REMOVAL								
	84200804	REMOVAL OF POLE FOUNDATION	EACH	1	1					
	X4021000	TEMPORARY ACCESS (PRIVATE ENTRANCE)	EACH	4	4					
	X4022000	TEMPORARY ACCESS (COMMERCIAL ENTRANCE)	EACH	1	1					
	X7010216	TRAFFIC CONTROL AND PROTECTION.	LSUM	1	1					
		(SPECIAL)								
*	SPECIALTY	ITEMS								

	SUMMARY OF QUANTITIES			URBAN	CONSTRUCTION TYPE CODE					
	CODE NO	ITEM	UNIT	TOTAL QUANTITIES	80% FEDERAL 20% STATE 0004					
	Z0013798	CONSTRUCTION LAYOUT	LSUM	1	1					
	X7030025	WET REFLECTIVE TEMPORARY TAPE, TYPE III - LETTERS AND SYMBOLS	SQ FT	63	63					
	Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	101.4	101.4					
	X7030030	WET REFLECTIVE TEMPORARY TAPE, TYPE III, 4 INCH	FOOT	1200	1200					
	Z0062456	TEMPORARY PAVEMENT	SQ YD	507	507					
	X7030050	WET REFLECTIVE TEMPORARY TAPE, TYPE III, 12 INCH	FOOT	274	274					
	Z0064600	SELECTIVE CLEARING	ACRE	0.01	0.01					
	X7030055	WET REFLECTIVE TEMPORARY TAPE, TYPE III, 24 INCH	FOOT	36	36					
	Z0007430	TEMPORARY SIDEWALK	SQ FT	2103	2103					
*	SPECIALTY	ITEMS								

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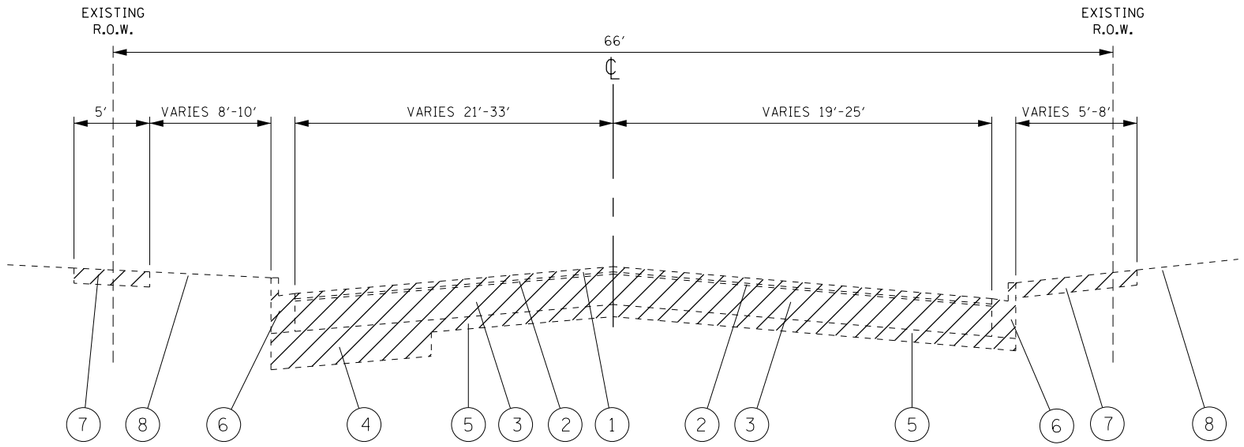
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 132 (FERNDALE ST TO ESTES ST)
SUMMARY OF QUANTITIES

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
541	(X-J-CIR-)	LAKE	56	5
		CONTRACT NO. 62B73		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



IL. ROUTE 132
EXISTING TYPICAL ROADWAY SECTION

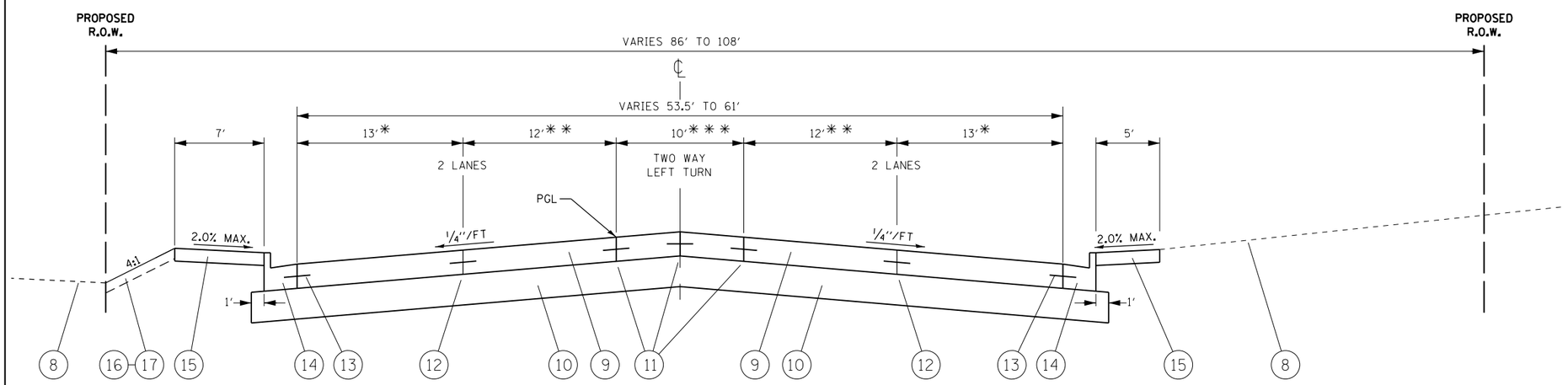
STA. 11+00 TO STA. 14+71

NOTE:
1. ALL EXISTING PAVEMENT THICKNESSES ARE FROM AS-BUILT PLANS.

TO BE REMOVED

LEGEND:

1. EXISTING HMA SURFACE COURSE, 1¾''
2. EXISTING HMA LEVELING BINDER, ¾''±
3. EXISTING PCC PAVEMENT, 10''
4. EXISTING AGGREGATE SUBGRADE, 12''
5. EXISTING SUB-BASE GRANULAR MATERIAL, 4''
6. EXISTING COMBINATION CONCRETE CURB AND GUTTER TY B-6.12
7. EXISTING PCC SIDEWALK
8. EXISTING TOPSOIL AND GRASS
9. PROPOSED PCC PAVEMENT, 9½'' (JOINTED)
10. PROPOSED AGGREGATE SUBGRADE IMPROVEMENT, 12''
11. PROPOSED LONGITUDINAL CONSTRUCTION JOINT
12. PROPOSED LONGITUDINAL SAWED JOINT
13. PROPOSED CURB AND GUTTER TIE BAR(TYP)
14. PROPOSED COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
15. PROPOSED PCC SIDEWALK, 5'' (8'' THROUGH DRIVEWAYS)
16. PROPOSED TOPSOIL, 4''
17. PROPOSED SODDING, SALT TOLERANT



IL. ROUTE 132
PROPOSED TYPICAL ROADWAY SECTION

STA. 11+00 TO STA. 14+71

NOTES:
- * VARIES 11' TO 13' FROM STA. 11+00 TO 14+00.
- ** VARIES 11' TO 12' FROM STA. 11+00 TO 14+00.
- *** VARIES 10' TO 11' FROM STA. 11+00 TO 14+00.

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		DRAWN - PLP	REVISED -
	PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -
	PLOT DATE = 12/23/2015	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 132 – FERNDALE STREET TO ESTES STREET
EXISTING AND PROPOSED TYPICAL SECTIONS

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
541	(X-J-C)R-1	LAKE	56	6
		CONTRACT NO. 62B73		
	ILLINOIS FED. AID PROJECT			

1	2	3	4	5	6
IL. ROUTE 132 - FERNDALE ST. TO ESTES ST.	EARTH EXCAVATION (CU YD)	EMBANKMENT (CU YD)	ADJUSTMENT FOR SHRINKAGE (CU YD)	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-) (CU YD)	UNSUITABLE MATERIAL (CU YD)
MAIN LINE					
STA. 11+00 TO STA. 16+23	1,019	26	866	840	255
SIDE ROADS					
ESTES ST. N	46	0	40	40	12
ESTES ST. S	37	0	32	32	9
TOTAL	1,102	26	938	912	276

COLUMN 1: LOCATION FROM PLANS
COLUMN 2: CUT QUANTITIES FROM CROSS SECTIONS, WHICH DOES NOT INCLUDE UNSUITABLE MATERIAL
COLUMN 3: QUANTITIES FROM CROSS SECTIONS (FILL)
COLUMN 4: EARTH EXCAVATION THAT IS TO BE USED AS FILL MATERIAL IN THE EMBANKMENT, SHRINKAGE FACTOR IS 15%

COLUMN 5: COLUMN 4 - COLUMN 3
POSITIVE QUANTITY = EXTRA EXCAVATION
NEGATIVE QUANTITY = FURNISHED EXCAVATION NEEDED
COLUMN 6: CUT MATERIAL THAT IS DETERMINED TO BE EITHER UNSTABLE OR UNSUITABLE FOR USE IN EMBANKMENT

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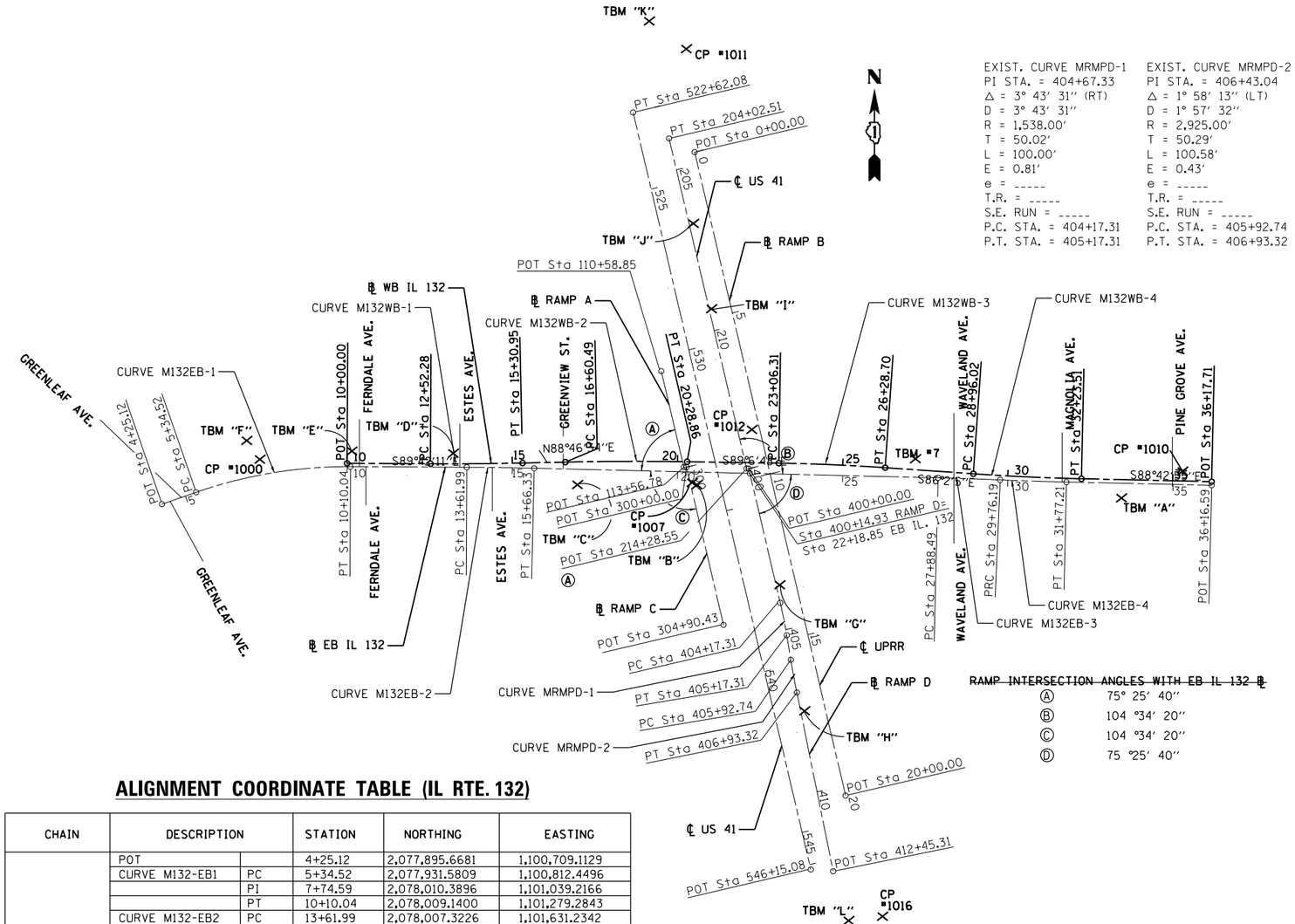
		DRAWN -	REVISED -
	PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -
	PLOT DATE = 12/23/2015	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 132 (FERNDALE STREET TO ESTES STREET)
SCHEDULE OF QUANTITIES

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
541	(X-J-C)R-1	LAKE	56	7
		CONTRACT NO. 62B73		
	ILLINOIS	FED. AID PROJECT		



BM	ELEV.	LOCATION	DESCRIPTION
TBM "7	694.86	STA. 27+18.67, 55.72′ LT ℄ EB 132	SQUARE CUT ON CONCRETE CURB AT NW CORNER OF IL RTE. 132 AND WAVELAND ST. ±100 FT WEST OF WAVELAND AVE. ℄ & 25′ NORTH OF NORTHERLY SIDEWALK OF IL RTE. 132.
TBM "A"	696.20	STA. 33+41.44, 44.58′ RT ℄ EB 132	NW BOLT OF OLD BILLBOARD FOUNDATION ± 50′ SOUTH OF RTE. 132 ℄ AND ± 150′ W. OF PINE GROVE AVE.
TBM "B"	680.57	STA. 20+59.75, 37.56′ RT ℄ EB 132	SQUARE CUT ON N'LY SIDE OF TRAFFIC LIGHT POLE CONCRETE BASE LOCATED ON CONCRETE ISLAND AT SW CORNER OF IL RTE. 132 AND US 41.
TBM "C"	686.49	STA. 16+97.83, 46.90′ RT ℄ EB 132	SQUARE CUT ON N'LY SIDE OF TRAFFIC LIGHT POLE CONCRETE BASE LOCATED IN FRONT OF RESIDENCE 3875 IL RTE. 132, ± 50′ SOUTH OF ROAD.
TBM "D"	687.10	STA. 13+21.49, 42.29′ LT ℄ EB 132	CHISELED "X" ON FLAG BOLT OF FIRE HYDRANT AT NW CORNER OF IL RTE. 132 AND ESTES ST.
TBM "E"	688.38	STA. 10+13.89, 46.82′ LT ℄ EB 132	FOUND "X" ON CONCRETE WALK
TBM "F"	684.67	STA. 7+17.00, 81.45′ LT ℄ EB 132	SQUARE CUT ON SE CORNER OF CONCRETE BASE FOR TELEPHONE BOX AT NW CORNER OF IL RTE. 132 AND BLACKBURN ST.
TBM "G"	688.83	STA. 23+16.28, 334.87′ RT ℄ EB 132	SQUARE CUT ON THE S'LY CONCRETE BASE OF IL RTE. 132 AT NE'LY US 41 EXIT RAMP, ± 300′ SOUTH OF IL RTE. 132 ℄.
TBM "H"	690.08	STA. 24+01.97, 715.29′ RT ℄ EB 132	SQUARE CUT O E'LY SIDE OF CONRETE BASE FOR LIGHT POLE AT THE N-SIDE OF US 41 AND IL RTE. 132 NW EXIT RAMP ± 800′ S. OF IL RTE. 132.
TBM "I"	694.50	STA. 20+91.23, 494.73′ LT ℄ EB 132	SQUARE CUT ON N'LY SIDE OF CONRETE WALL AND CHAIN LINK FENCE AT NW EXIT RAMP OF IL RTE. 132 & US 41, ± 500′ N. OF IL RTE. 132 ℄.
TBM "J"	695.37	STA. 20+30.06, 751.12′ LT ℄ EB 132	SQUARE CUT ON CONCRETE BASE FOR LIGHT POLE AT THE NW EXIT RAMP OF US-41 AND IL RTE 132, ± 800′ N. OF IL RTE 132 ℄.
TBM "K"	695.60	STA. 18+82.81, 1360.49′ LT ℄ EB 132	SQUARE CUT ON E'LY SIDE OF LIGHT POLE AT THE NW CORNER OF US-41 & GRANDVILLE AVE, BETWEEN US-41 AND RR TRACKS.
TBM "L"	683.32	STA. 25+48.60, 1343.67′ RT ℄ EB 132	SQUARE CUT ON TOP OF WINGWALL

ALIGNMENT COORDINATE TABLE (IL RTE. 132)

CHAIN	DESCRIPTION		STATION	NORTHING	EASTING
IL 132E	POT		4+25.12	2,077,895.6681	1,100,709.1129
	CURVE M132-EB1	PC	5+34.52	2,077,931.5809	1,100,812.4496
		PI	7+74.59	2,078,010.3896	1,101,039.2166
		PT	10+10.04	2,078,009.1400	1,101,279.2843
	CURVE M132-EB2	PC	13+61.99	2,078,007.3226	1,101,631.2342
		PI	14+64.16	2,078,006.7933	1,101,733.4030
		PT	15+66.33	2,078,004.3663	1,101,835.5443
	CURVE M132-EB3	PC	27+88.49	2,077,975.3348	1,103,057.3596
		PI	28+82.34	2,077,973.1054	1,103,151.1862
		PT	29+76.19	2,077,969.1154	1,103,244.9544
	CURVE M132-EB4	PC	29+76.19	2,077,969.1150	1,103,244.9632
		PI	30+76.71	2,077,964.8418	1,103,345.3854
		PT	31+77.21	2,077,962.5880	1,103,445.8733
	POT		36+16.59	2,077,952.7360	1,103,885.1416
IL 132W	POT		10+00.00	2,078,017.1693	1,101,660.8428
	CURVE M132-WB1	PC	12+52.28	2,078,017.8912	1,101,521.5010
		PI	13+91.62	2,078,017.1693	1,101,660.8428
		PT	15+30.95	2,078,020.1454	1,101,800.1547
	CURVE M132-WB2	PC	16+60.49	2,078,022.9122	1,101,929.6694
		PI	18+44.70	2,078,026.8464	1,102,113.8315
		PT	20+28.86	2,078,023.9955	1,102,298.0135
	CURVE M132-WB3	PC	23+06.31	2,078,019.7015	1,102,575.4330
		PI	24+67.55	2,078,017.2062	1,102,736.6482
		PT	26+28.70	2,078,006.0562	1,102,897.4967
	CURVE M132-WB4	PC	28+96.02	2,077,987.5701	1,103,164.1746
		PI	30+59.80	2,077,976.2444	1,103,327.5582
		PT	32+23.51	2,077,972.5721	1,103,491.2927
	POT		36+17.71	2,077,963.7332	1,103,885.3882

ALIGNMENT COORDINATE TABLE (US 41)

CHAIN	DESCRIPTION		STATION	NORTHING	EASTING
US 41-RAMP A	POT		110+58.85	2,078,987.2334	1,105,156.0587
	POT		113+56.78	2,078,007.9081	1,102,287.9685
US 41-RAMP B	POT		204+02.51	2,079,002.4360	1,102,243.5017
	POT		214+28.55	2,078,003.5508	1,102,477.9934
US 41-RAMP C	POT		300+00.00	2,078,007.7160	1,102,296.2311
	POT		304+90.43	2,077,530.2629	1,102,408.3148
US 41-RAMP D	POT		400+00.00	2,078,003.4055	1,102,484.4714
	CURVE MRMPD-1	PC	404+17.31	2,077,597.1392	1,102,579.8438
	CURVE MRMPD-1	PI	404+67.33	2,077,548.4450	1,102,591.2748
	CURVE MRMPD-1	PT	405+17.31	2,077,499.1117	1,102,599.5179
	CURVE MRMPD-2	PC	405+92.74	2,077,499.1117	1,102,599.5179
	CURVE MRMPD-2	PI	406+43.04	2,077,375.1042	1,102,620.2381
	CURVE MRMPD-2	PT	406+93.32	2,077,325.8115	1,102,630.2274
	POT		412+45.31	2,076,784.8163	1,102,739.8615

CURVE DATA IL 132 WB

PROP. CURVE 132WB-1
PI STA. = 13+91.62
Δ = 1° 31′ 14″ (LT)
D = 0° 32′ 44″
R = 10,500.00′
T = 139.34′
L = 278.67′
E = 0.92′
e = -----
T.R. = -----
S.E. RUN = -----
P.C. STA. = 12+52.28
P.T. STA. = 15+30.95

PROP. CURVE 132WB-2
PI STA. = 18+44.70
Δ = 2° 06′ 38″ (RT)
D = 0° 34′ 23″
R = 10,000.00′
T = 184.20′
L = 368.37′
E = 1.70′
e = -----
T.R. = -----
S.E. RUN = -----
P.C. STA. = 16+60.49
P.T. STA. = 20+28.86

PROP. CURVE 132WB-3
PI STA. = 24+67.55
Δ = 3° 04′ 43″ (RT)
D = 0° 57′ 18″
R = 6,000.00′
T = 161.23′
L = 322.39′
E = 2.17′
e = -----
T.R. = -----
S.E. RUN = -----
P.C. STA. = 23+06.31
P.T. STA. = 26+28.70

PROP. CURVE 132WB-4
PI STA. = 30+59.80
Δ = 2° 40′ 50″ (LT)
D = 0° 49′ 07″
R = 7,000.00′
T = 163.78′
L = 327.49′
E = 1.92′
e = -----
T.R. = -----
S.E. RUN = -----
P.C. STA. = 28+96.02
P.T. STA. = 32+23.51

CURVE DATA IL 132 EB

EXIST. CURVE M132EB-1
PI STA. = 7+74.59
Δ = 19° 27′ 39″ (RT)
D = 4° 05′ 33″
R = 1,400.00′
T = 240.07′
L = 475.52′
E = 20.43′
e = -----
T.R. = -----
S.E. RUN = -----
P.C. STA. = 5+34.52
P.T. STA. = 10+10.04

EXIST. CURVE M132EB-2
PI STA. = 14+64.16
Δ = 1° 03′ 52″ (RT)
D = 0° 31′ 15″
R = 11,000.00′
T = 102.17′
L = 204.33′
E = 0.47′
e = -----
T.R. = -----
S.E. RUN = -----
P.C. STA. = 13+61.99
P.T. STA. = 15+66.33

EXIST. CURVE M132EB-3
PI STA. = 28+82.34
Δ = 1° 04′ 32″ (RT)
D = 0° 34′ 23″
R = 10,000.00′
T = 93.85′
L = 187.70′
E = 0.44′
e = -----
T.R. = -----
S.E. RUN = -----
P.C. STA. = 27+88.49
P.T. STA. = 29+76.19

EXIST. CURVE M132EB-4
PI STA. = 30+76.71
Δ = 1° 09′ 06″ (LT)
D = 0° 34′ 23″
R = 10,000.00′
T = 100.51′
L = 201.02′
E = 0.51′
e = -----
T.R. = -----
S.E. RUN = -----
P.C. STA. = 29+76.19
P.T. STA. = 31+77.21

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

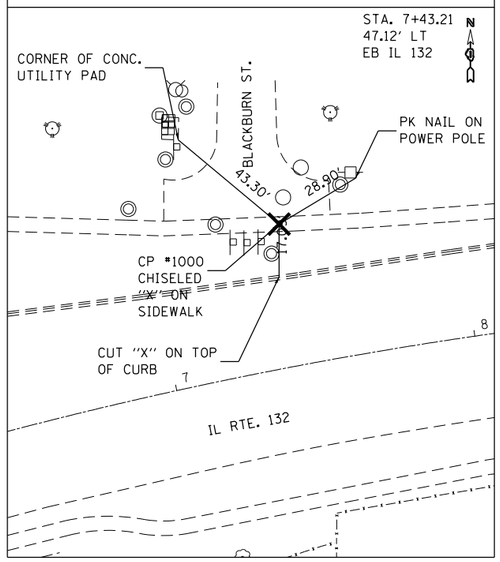
IL ROUTE 132 (FERNDALE ST TO ESTES ST)
ALIGNMENT AND BENCHMARKS

SCALE: 1"=200′ | SHEET OF SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
541	(X-J-C)R-1	LAKE	56	8
		CONTRACT NO. 62B73		
		ILLINOIS FED. AID PROJECT		

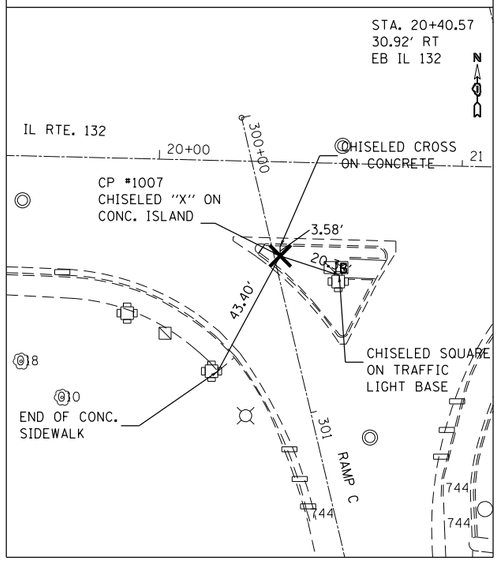
CP #1000
CONTROL POINT

EL = 683.790
N = 2,078,031.487
E = 1,101,005.327



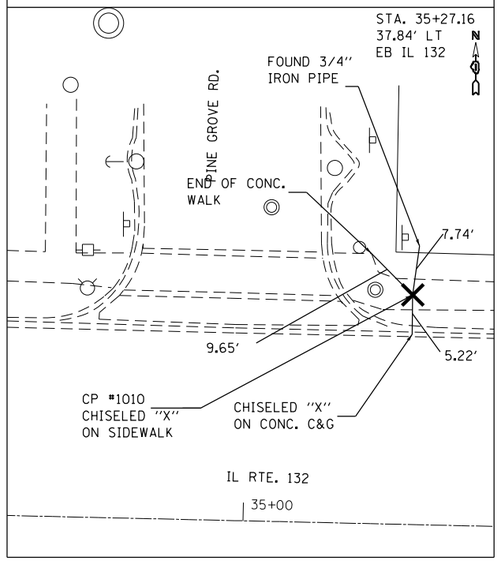
CP #1007
CONTROL POINT

EL = 680.785
N = 2,077,962.101
E = 1,102,308.960



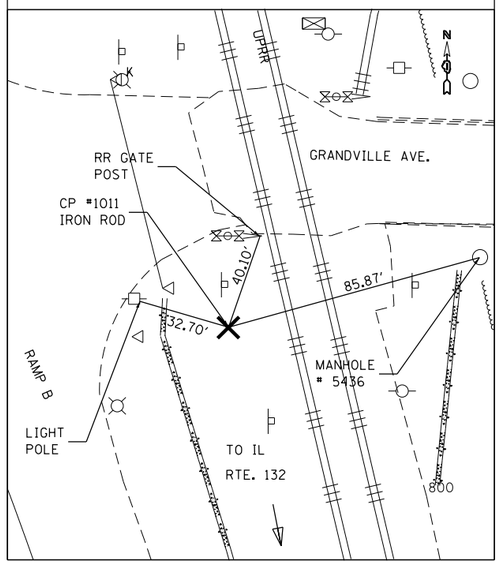
CP #1010
CONTROL POINT

EL = 694.110
N = 2,077,992.583
E = 1.103,796.570



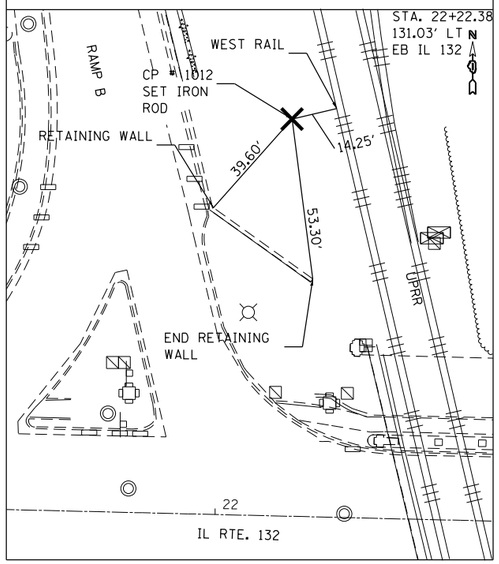
CP #1011
CONTROL POINT

EL = 694.875
N = 2,079,275.563
E = 1,102,218.603



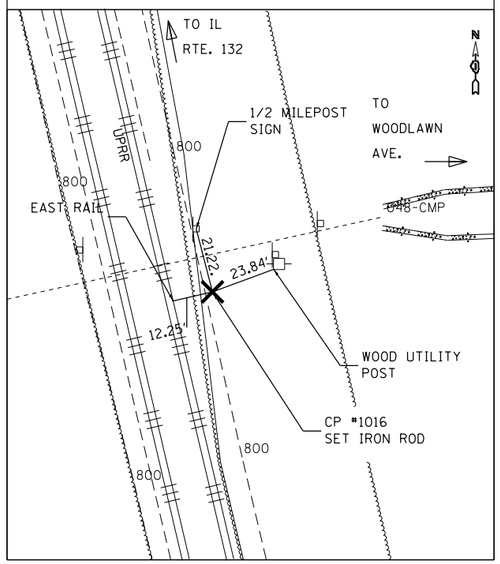
CP #1012
CONTROL POINT

EL = 695.865
N = 2,078,119.784
E = 1,102,494.451



CP #1016
CONTROL POINT

EL = 699.825
N = 2,076,645.146
E = 1,102,886.622



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Default	PLOT DATE = 12/23/2015	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

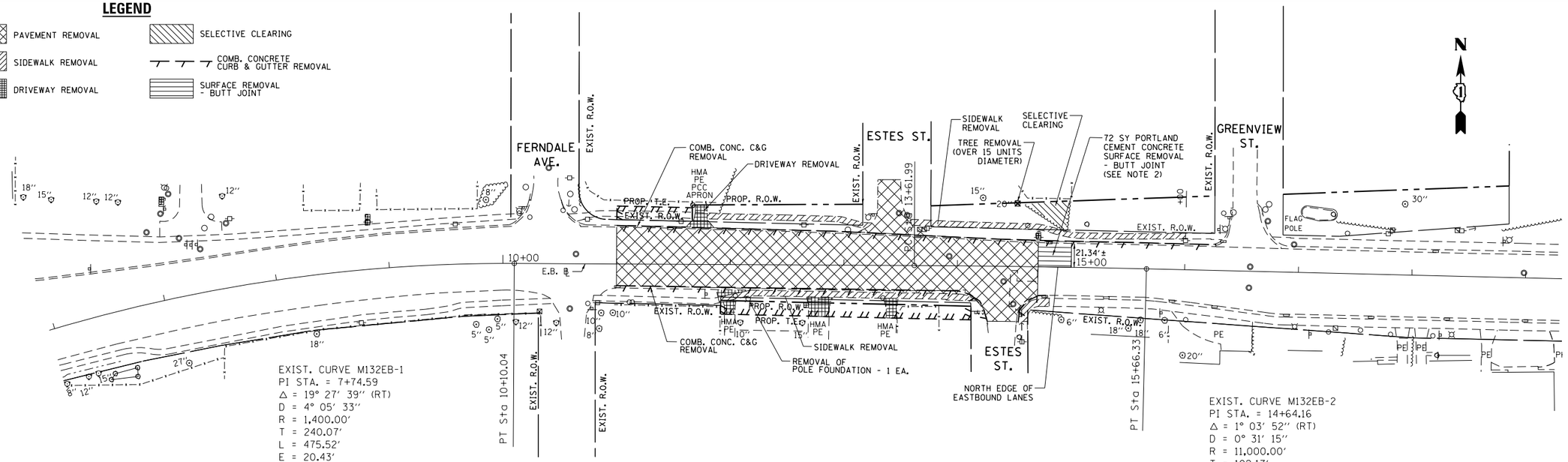
IL ROUTE 132 (FERNDALE ST TO ESTES ST)
TIE DIAGRAMS

SCALE: NONE | SHEET OF SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
541	(X-J-C)R-1	LAKE	56	9
		CONTRACT NO. 62B73		
	ILLINOIS FED. AID PROJECT			

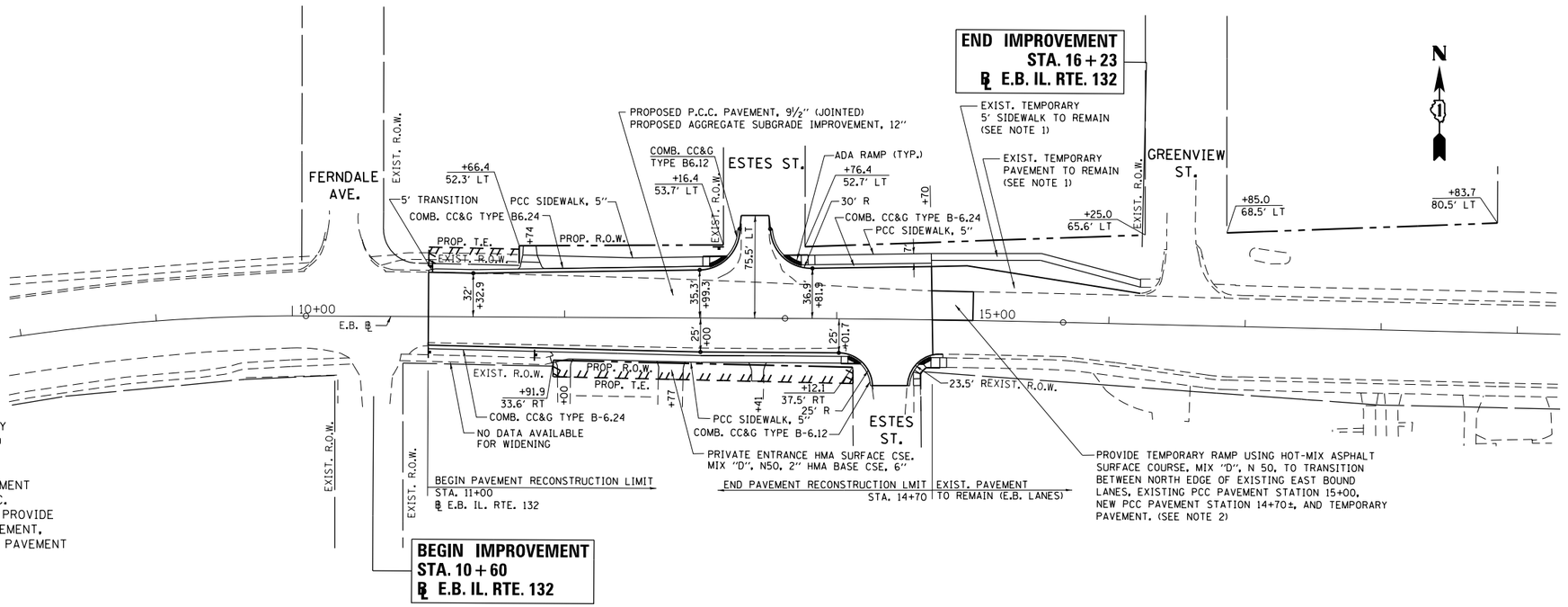
LEGEND

- PAVEMENT REMOVAL
- SIDEWALK REMOVAL
- DRIVEWAY REMOVAL
- SELECTIVE CLEARING
- COMB. CONCRETE CURB & GUTTER REMOVAL
- SURFACE REMOVAL - BUTT JOINT



EXIST. CURVE M132EB-1
PI STA. = 7+74.59
△ = 19° 27' 39" (RT)
D = 4° 05' 33"
R = 1,400.00'
T = 240.07'
L = 475.52'
E = 20.43'
e = _____
T.R. = _____
S.E. RUN = _____
P.C. STA. = 5+34.52
P.T. STA. = 10+10.04

EXIST. CURVE M132EB-2
PI STA. = 14+64.16
△ = 1° 03' 52" (RT)
D = 0° 31' 15"
R = 11,000.00'
T = 102.17'
L = 204.33'
E = 0.47'
e = _____
T.R. = _____
S.E. RUN = _____
P.C. STA. = 13+61.99
P.T. STA. = 15+66.33



NOTES:

1. CONTRACTOR SHALL REMOVE TEMPOARY PAVEMENT AND TEMPORARY SIDEWALK AS REQUIRED IN ORDER TO COMPLETE CONSTRUCTION OF PROPOSED P.C.C. PAVEMENT AND SIDEWALK. UPON COMPLETION OF PROPOSED P.C.C. PAVEMENT AND SIDEWALK, CONTRACTOR SHALL ADD/REMOVE TEMPORARY PAVEMENT AND TEMOPARY SIDEWALK, SO AS TO PROVIDE A SMOOTH TRANSITION FROM NEW P.C.C. PAVEMENT AND SIDEWALK TO EXISTING TEMPORARY PAVEMENT AND TEMPORARY SIDEWALK THAT IS TO REMAIN IN PLACE.
2. UPON COMPLETION OF THE PROPOSED P.C.C. PAVEMENT AND SIDEWALK , CONTRACTOR SHALL MILL A P.C.C. BUTT-JOINT AND PLACE AN HMA RAMP SO AS TO PROVIDE A SMOOTH TRANSITION FROM THE NEW P.C.C, PAVEMENT, THE TEMPORARY PAVEMENT AND EXISTING P.C.C. PAVEMENT SOUTH OF THE E.B. ℄.
3. COMMERCIAL DRIVEWAY STATION 29+87.05 RT TO BE INCLUDED IN PROJECT IMPROVEMENTS. SEE DRIVEWAY DETAIL PLAN FOR DETAILS.

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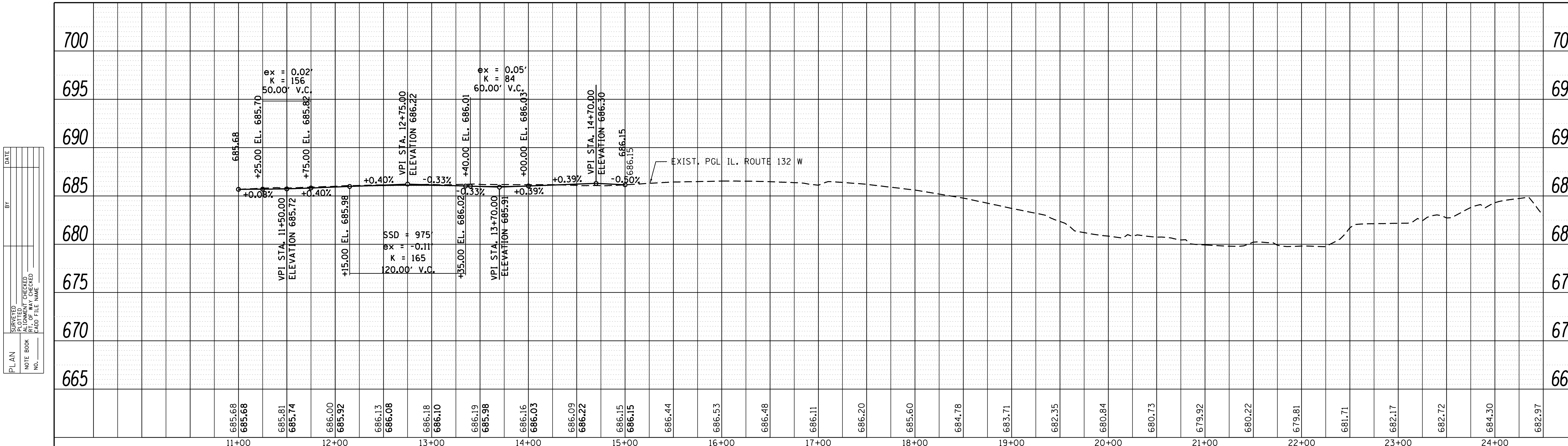
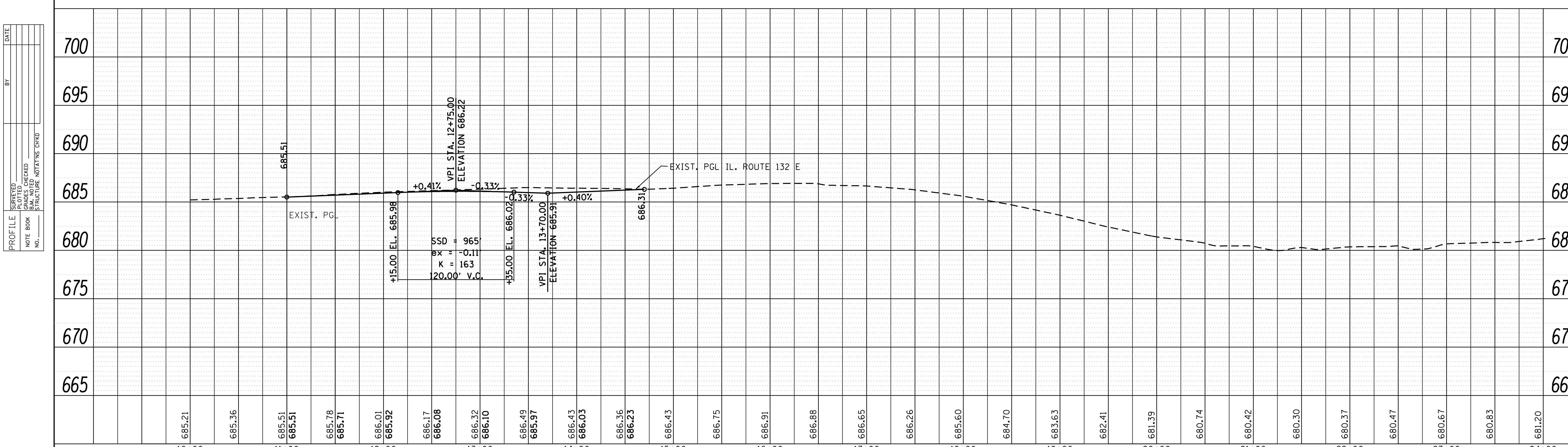
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 132 (FERNDALE ST TO ESTES ST)
EXISTING AND PROPOSED ROADWAY PLAN

SCALE: 1"=50' | SHEET OF SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
541	(X-J-C)R-1	LAKE	56	10
		CONTRACT NO. 62B73		
	ILLINOIS	FED. AID PROJECT		





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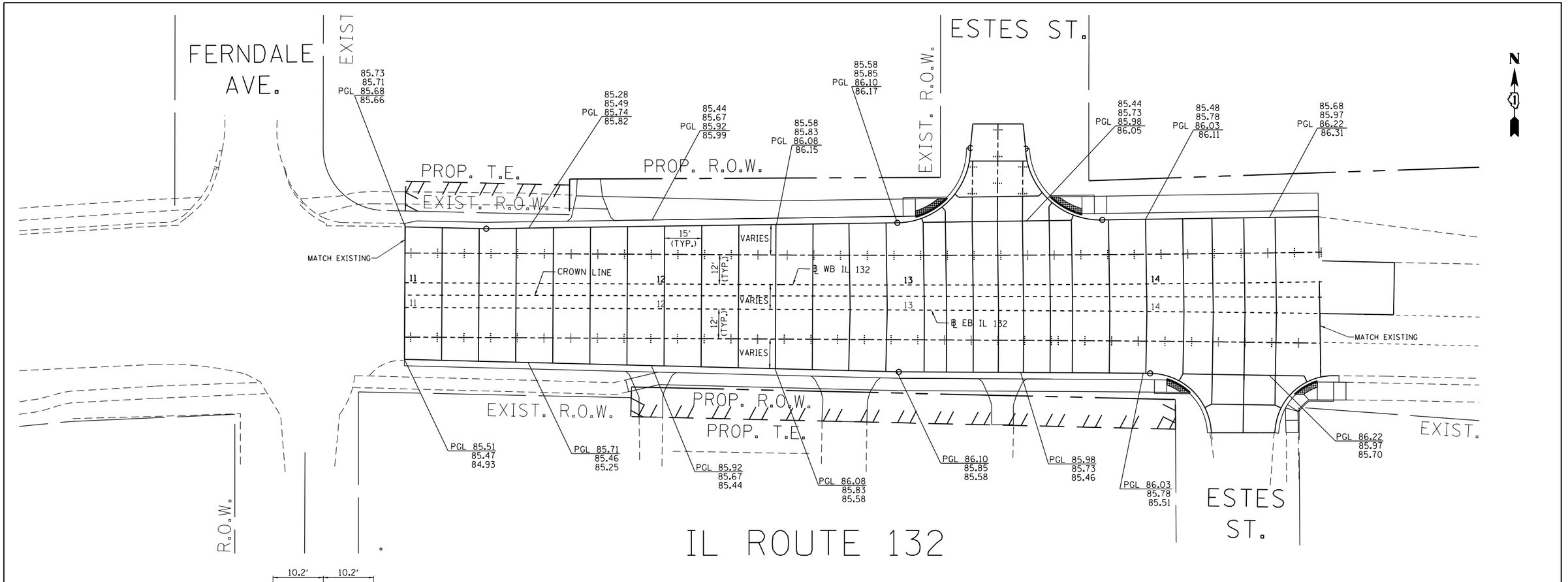
		DRAWN -	REVISED -
	PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -
Default	PLOT DATE = 12/23/2015	DATE -	REVISED -

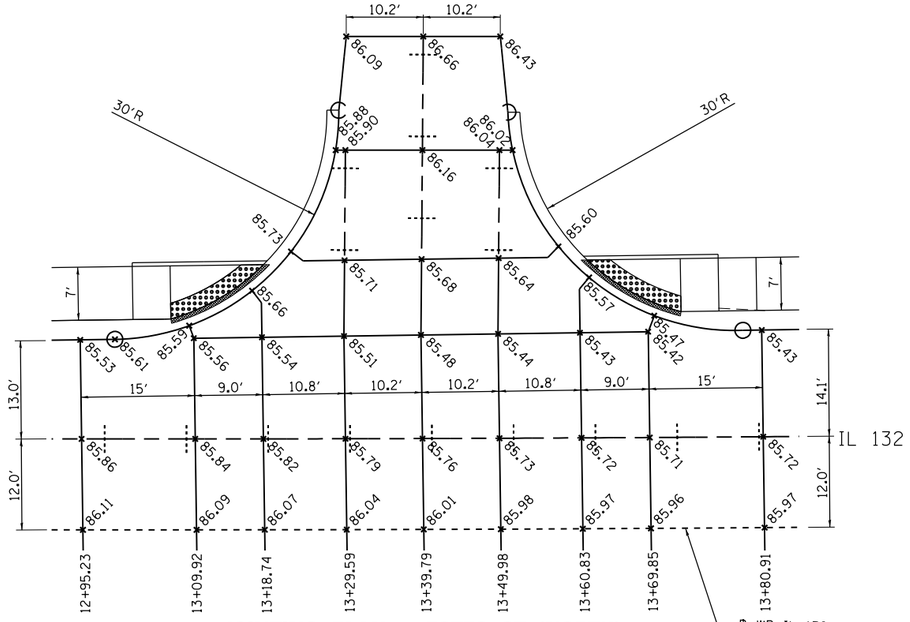
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 132 (FERNDALE ST TO ESTES ST)
EXISTING AND PROPOSED ROADWAY PROFILES

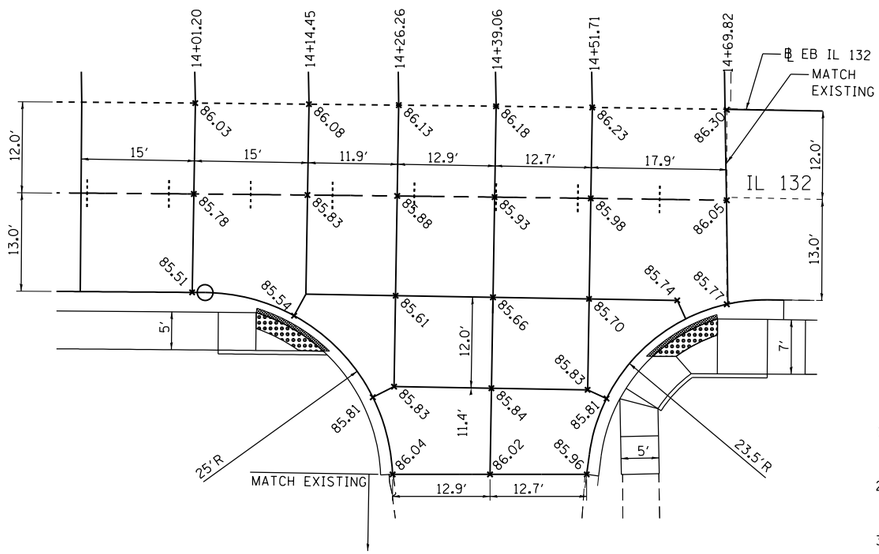
SCALE: 1"=50' | SHEET OF SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
541	(X-J-C)R-1	LAKE	56	11
CONTRACT NO. 62B73				
ILLINOIS FED. AID PROJECT				





JOINTING PLAN – ESTES ST. (NORTH)



JOINTING PLAN – ESTES ST. (SOUTH)

LEGEND

- LONGITUDINAL DOWELED JOINT (IDOT STD. 420001)
- TRANSVERSE CONTRACTION JOINT (IDOT STD. 420001)
- LONGITUDINAL SAWED JOINT (IDOT STD. 420001)
- LONGITUDINAL CONSTRUCTION JOINT (IDOT STD. 420001)
- PAVEMENT SEPARATION JOINT (D-1 STANDARD BD52)
- EXISTING PAVEMENT JOINT (EXACT LOCATIONS TO BE DETERMINED IN THE FIELD)

NOTES:

1. TRANSVERSE JOINTS IN THE CURBS AND MEDIANS SHALL BE EXTENSIONS OF THE TRANSVERSE JOINTS IN THE PAVEMENT.
2. PROPOSED TRANSVERSE JOINTS BUILT ADJACENT TO EXISTING PCC JOINTED PAVEMENT SHALL MATCH THE EXISTING JOINTS LOCATIONS WHERE POSSIBLE.
3. ADD 600' TO ELEVATIONS TO OBTAIN TRUE ELEVATION.

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 132 (FERNDALE ST TO ESTES ST)
PROPOSED JOINTING PLAN

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
541	(X-J-C)R-1	LAKE	56	12
		CONTRACT NO. 62B73		
	ILLINOIS FED. AID PROJECT			

STAGE 1 - CONSTRUCT TEMPORARY PAVEMENT NORTH SIDE IL 132
- INSTALL STORM SEWER STA. 11+00 TO 11+08

TRAFFIC CONTROL AND PROTECTION
1. INSTALL TEMPORARY TRAFFIC CONTROL DEVICES AND SIGNS PER STATE STANDARDS 701101, 701105, 701427, 701606, 701701, 701801 AND 701901, AND REDUCE LANES AS NECESSARY TO COMPLETE STAGE 1 CONSTRUCTION. ARTERIAL LANE CLOSURES NOT SHOWN IN THE STAGING PLANS WILL NOT BE PERMITTED DURING PEAK TRAFFIC VOLUME HOURS. PEAK TRAFFIC VOLUME HOURS ARE DEFINED AS WEEKDAYS (MONDAY THROUGH FRIDAY) FROM 7:00 AM TO 9:00 AM AND 4:00 PM TO 6:00 PM. ALL LANES SHALL BE OPEN TO TRAFFIC AT THE END OF EACH WORK DAY.

CONSTRUCTION
1. REMOVE SIDEWALK, AND CURB AND GUTTER ON THE NORTH SIDE OF IL 132, REMOVE/PLATE EXISTING STORM STRUCTURES.
2. INSTALL TEMPORARY PAVEMENT.
3. INSTALL NEW STORM SEWER SEGMENTS 2 AND 3, AND STRUCTURES 1 AND 3.

STAGE 2 - CONSTRUCT EASTBOUND IL 132

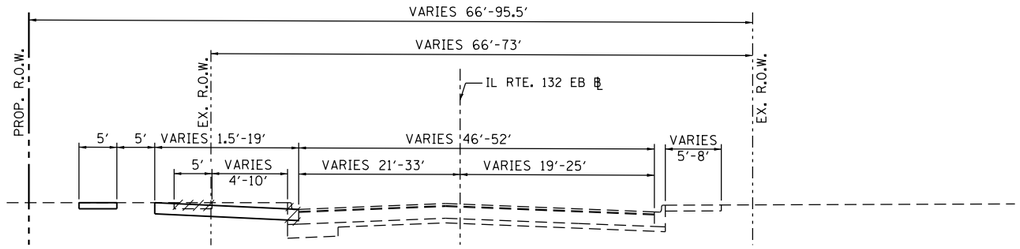
TRAFFIC CONTROL AND PROTECTION
1. INSTALL TEMPORARY TRAFFIC CONTROL DEVICES AND SIGNS.
2. KEEP SHIFTED TRAFFIC LANES TO THE SOUTH WITH EASTBOUND AND WESTBOUND IL 132 TRAFFIC REDUCED ONE LANE IN EACH DIRECTION.
3. BLACKOUT TAPE TO BE USED TO COVER EXISTING PAVEMENT MARKINGS THAT ARE IN CONFLICT WITH STAGING, OR AS DETERMINED BY ENGINEER.

CONSTRUCTION
1. CONSTRUCT EASTBOUND IL 132 PAVEMENT, SIDEWALK, AND STORM SEWER FACILITIES WITHIN WORK AREA.

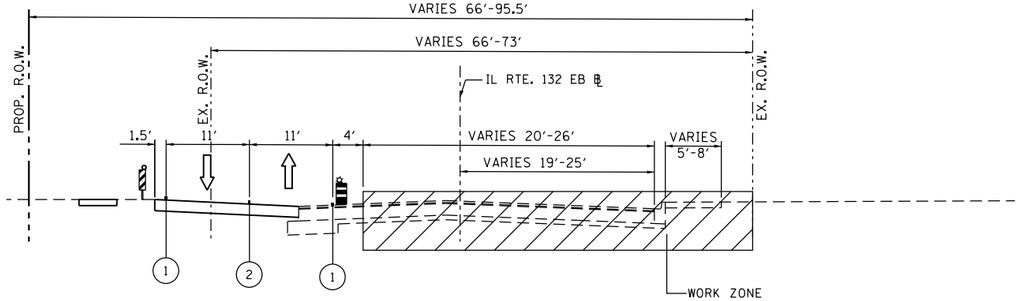
STAGE 3 - CONSTRUCT WESTBOUND IL 132

TRAFFIC CONTROL AND PROTECTION
1. INSTALL TEMPORARY TRAFFIC CONTROL DEVICES AND SIGNS ON IL 132.
2. SHIFT IL 132 TRAFFIC ONTO NEWLY CONSTRUCTED EASTBOUND LANES TO THE SOUTH.
3. BLACKOUT TAPE TO BE USED TO COVER EXISTING PAVEMENT MARKINGS THAT ARE IN CONFLICT WITH STAGING, OR AS DETERMINED BY ENGINEER.

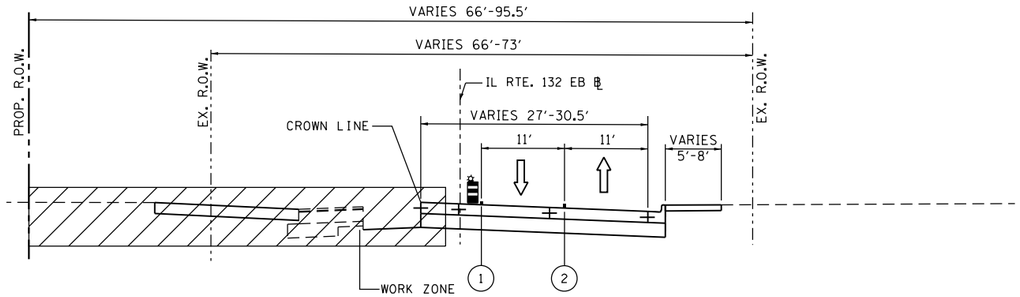
CONSTRUCTION
1. CONSTRUCT WESTBOUND IL 132 PAVEMENT, SIDEWALK, AND STORM SEWER FACILITIES WITHIN WORK AREA.
2. ADDITIONAL TEMPORARY PAVEMENT TO BE PLACED FOR GRADE TRANSITION TO NEW PCC PAVEMENT STATION 14+70 AT COMPLETION OF STAGE 3 CONSTRUCTION. COST OF ANY MATERIAL TO BE INCLUDED IN THE COST OF TEMPORARY PAVEMENT.



IL RTE. 132
PROPOSED RECONSTRUCTION
STAGE 1
LOOKING EAST
STA. 11+00 TO STA. 14+74



IL RTE. 132
PROPOSED RECONSTRUCTION
STAGE 2
LOOKING EAST
STA. 11+00 TO STA. 14+74



IL RTE. 132
PROPOSED RECONSTRUCTION
STAGE 3
LOOKING EAST
STA. 11+00 TO STA. 14+74

LEGEND

1. TEMPORARY PAVEMENT MARKING - LINE 4" (WHITE)
2. TEMPORARY PAVEMENT MARKING - DOUBLE LINE 4" @ 11" C-C (YELLOW)
- DRUM (FOR TEMP BARRIER LOCATIONS SEE PLANS)

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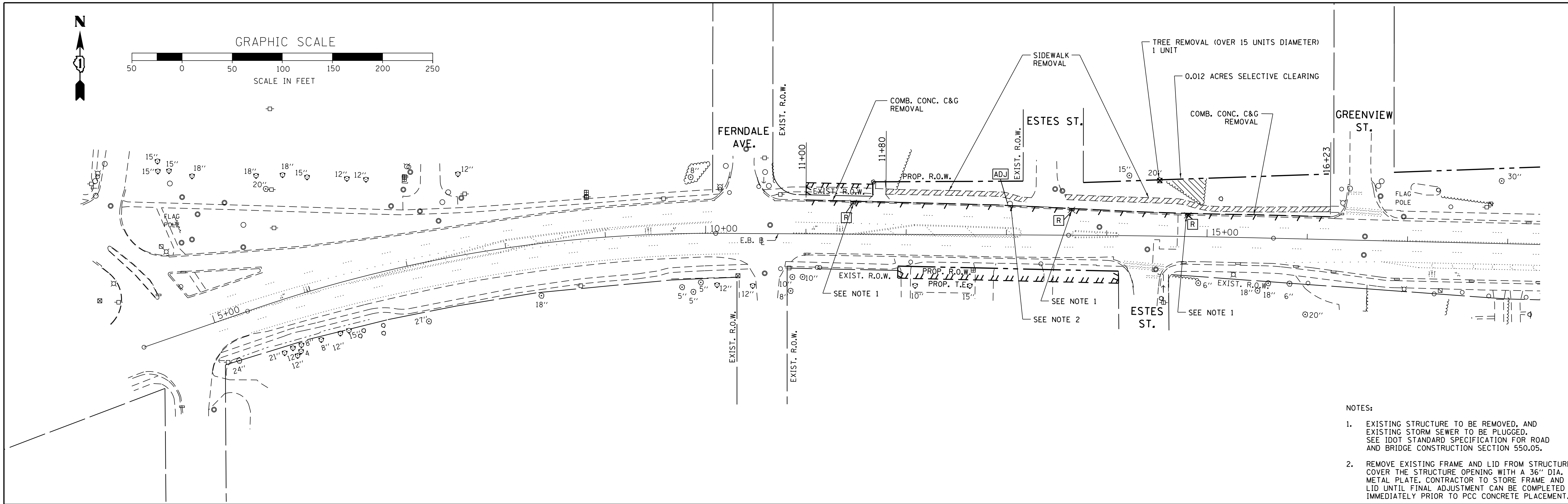
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 132 – (FERNDALE ST TO ESTES ST)
MAINTENANCE OF TRAFFIC NOTES AND TYPICAL SECTIONS

SCALE: | SHEET 4 OF 8 TOPO SHEETS | STA. | TO STA.

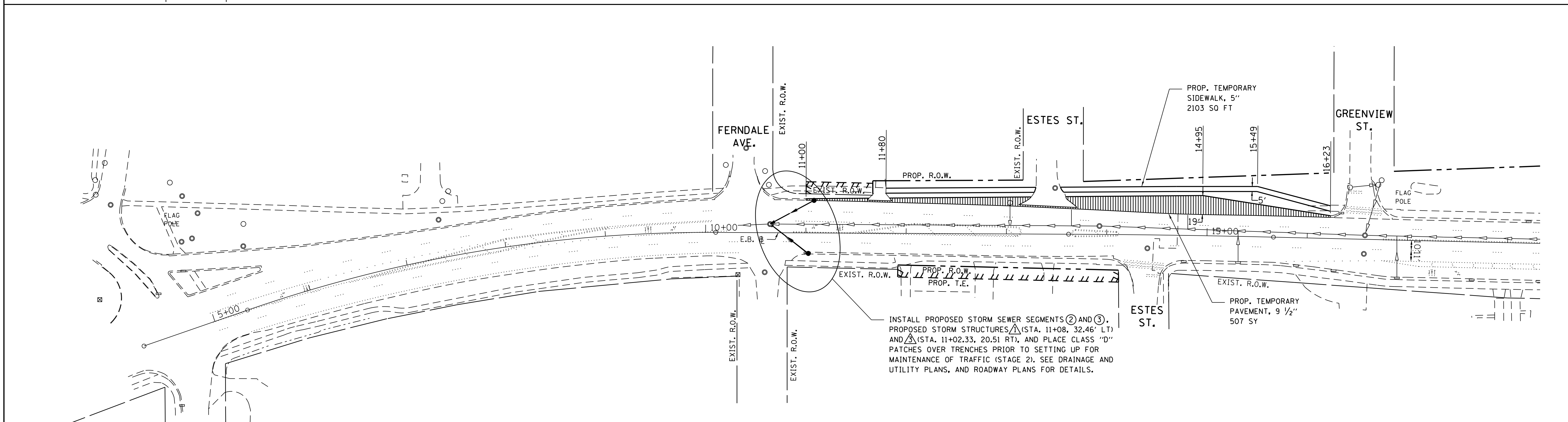
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
541	(X-J-C)R-1	LAKE	56	13
		CONTRACT NO. 62B73		
	ILLINOIS	FED. AID PROJECT		



NOTES:

1. EXISTING STRUCTURE TO BE REMOVED, AND EXISTING STORM SEWER TO BE PLUGGED. SEE IDOT STANDARD SPECIFICATION FOR ROAD AND BRIDGE CONSTRUCTION SECTION 550.05.

2. REMOVE EXISTING FRAME AND LID FROM STRUCTURE. COVER THE STRUCTURE OPENING WITH A 36" DIA. METAL PLATE. CONTRACTOR TO STORE FRAME AND LID UNTIL FINAL ADJUSTMENT CAN BE COMPLETED IMMEDIATELY PRIOR TO PCC CONCRETE PLACEMENT.



SYMBOLS

- POST MOUNTED DOUBLE VERTICAL PANELS (BACK TO BACK)
- TEMPORARY SIGN
- TYPE III BARRICADE
- DRUM W/STEADY BURNING LIGHT
- ARROW BOARD
- DIRECTION OF TRAFFIC
- TEMPORARY PAVEMENT
- WORK AREA

TEMPORARY PAVEMENT MARKING LEGEND

1. LINE, 4" WHITE
2. LINE, 4" YELLOW
3. DOTTED LINE, 6" WHITE (2' LINE, 6' SKIP)
4. DOTTED LINE, 4" YELLOW (2' LINE, 6' SKIP)
5. LINE, 4" DOUBLE YELLOW (11" C-C)
6. LINE, 6" WHITE
7. LINE, 24" WHITE
8. LETTERS AND SYMBOLS

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

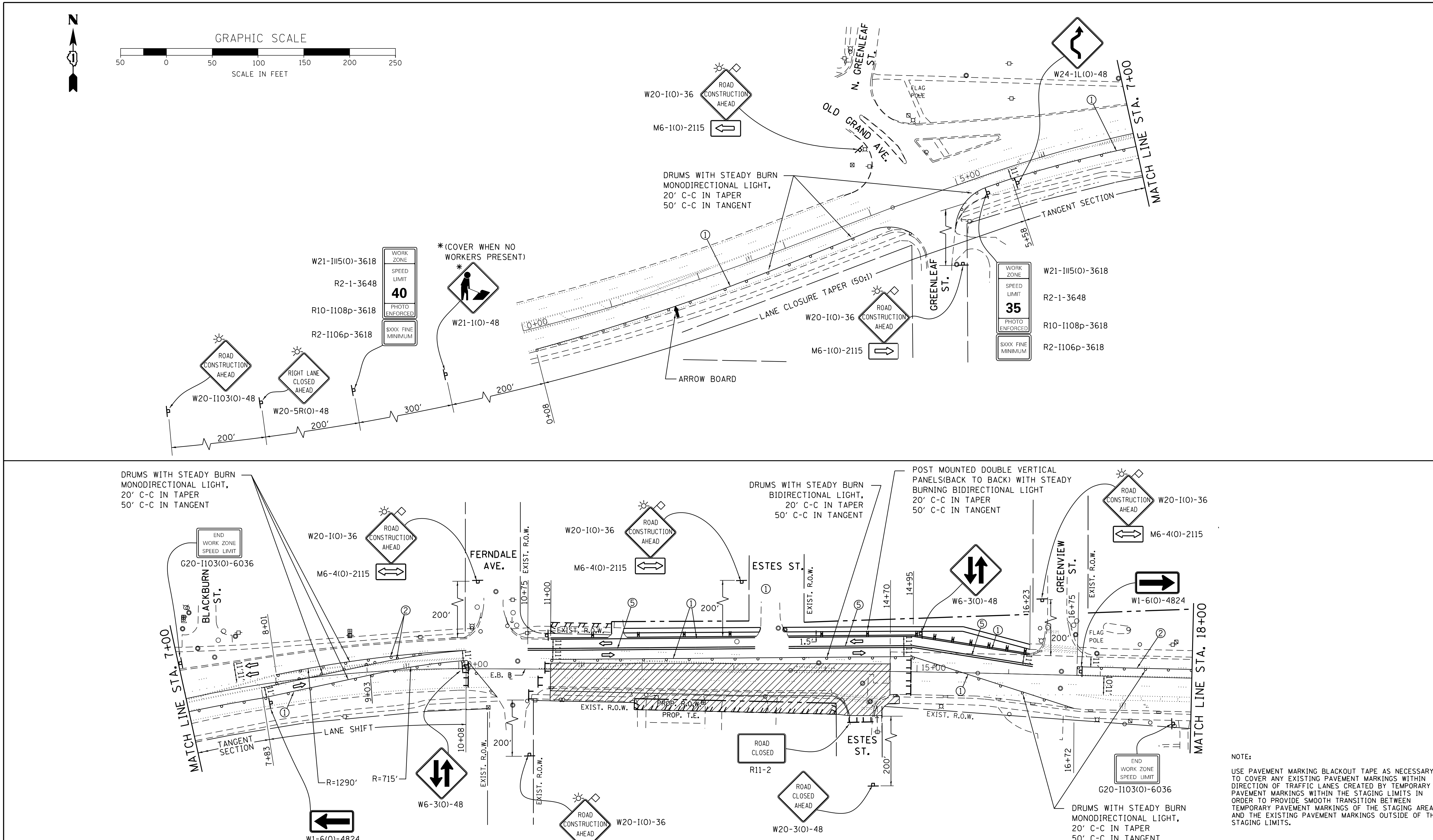
IL ROUTE 132 – (FERNDALE ST TO ESTES ST)
MAINTENANCE OF TRAFFIC (STAGE 1)

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
541	(X-J-C)R-1	LAKE	56	14

CONTRACT NO. 62B73

ILLINOIS FED. AID PROJECT



NOTE:

USE PAVEMENT MARKING BLACKOUT TAPE AS NECESSARY TO COVER ANY EXISTING PAVEMENT MARKINGS WITHIN DIRECTION OF TRAFFIC LANES CREATED BY TEMPORARY PAVEMENT MARKINGS WITHIN THE STAGING LIMITS IN ORDER TO PROVIDE SMOOTH TRANSITION BETWEEN TEMPORARY PAVEMENT MARKINGS OF THE STAGING AREA AND THE EXISTING PAVEMENT MARKINGS OUTSIDE OF THE STAGING LIMITS.

SYMBOLS

- POST MOUNTED DOUBLE VERTICAL PANELS (BACK TO BACK)
- TEMPORARY SIGN
- TYPE III BARRICADE
- DRUM W/STEADY BURNING LIGHT
- ARROW BOARD
- DIRECTION OF TRAFFIC
- TEMPORARY PAVEMENT
- WORK AREA

TEMPORARY PAVEMENT MARKING LEGEND

1. LINE, 4" WHITE
2. LINE, 4" YELLOW
3. DOTTED LINE, 6" WHITE (2' LINE, 6' SKIP)
4. DOTTED LINE, 4" YELLOW (2' LINE, 6' SKIP)
5. LINE, 4" DOUBLE YELLOW (11" C-C)
6. LINE, 6" WHITE
7. LINE, 24" WHITE
8. LETTERS AND SYMBOLS

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

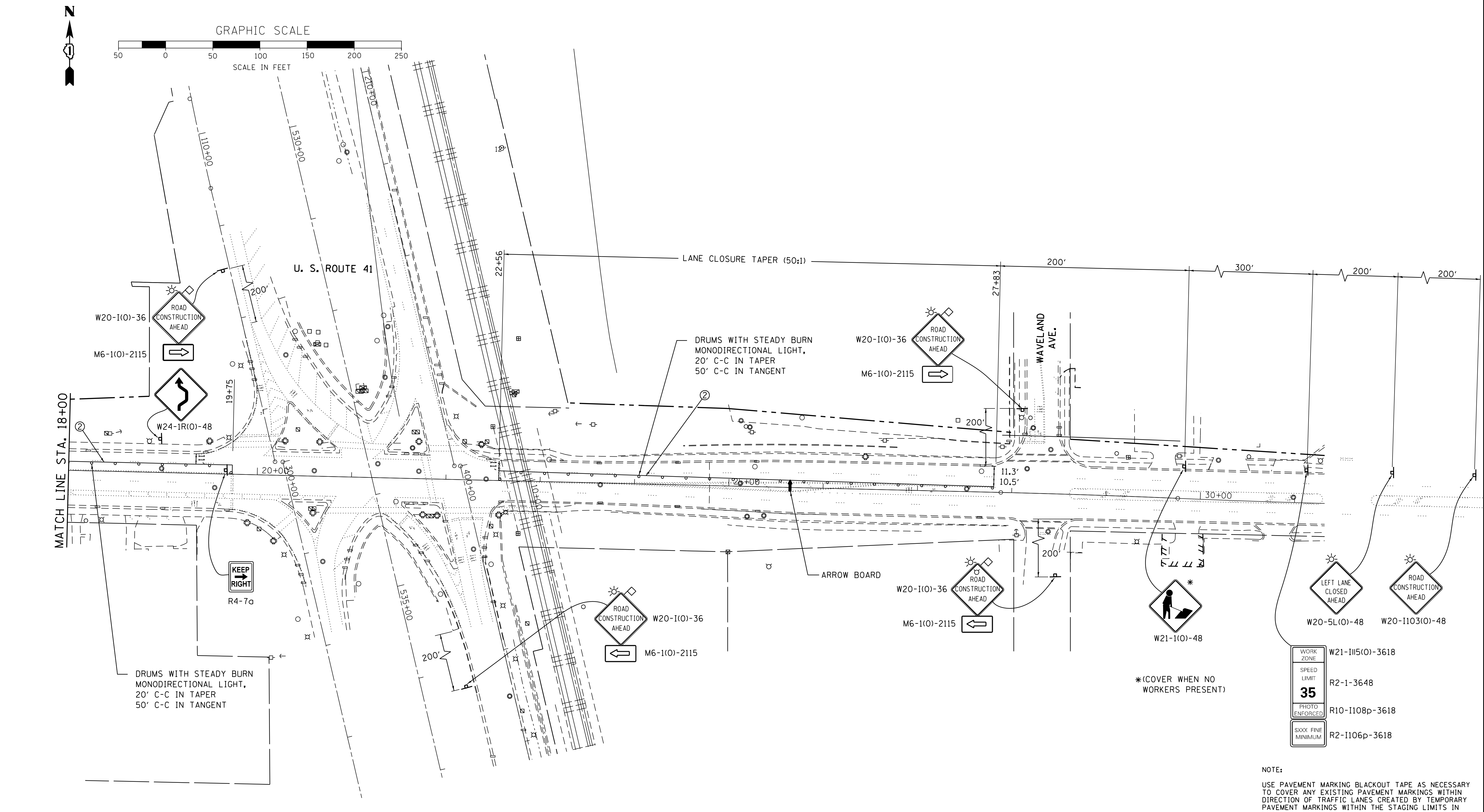
IL ROUTE 132 – (FERNDALE ST TO ESTES ST)
MAINTENANCE OF TRAFFIC (STAGE 2)

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
541	(X-J-C)R-1	LAKE	56	15

CONTRACT NO. 62B73

ILLINOIS FED. AID PROJECT



NOTE:

USE PAVEMENT MARKING BLACKOUT TAPE AS NECESSARY TO COVER ANY EXISTING PAVEMENT MARKINGS WITHIN DIRECTION OF TRAFFIC LANES CREATED BY TEMPORARY PAVEMENT MARKINGS WITHIN THE STAGING LIMITS IN ORDER TO PROVIDE SMOOTH TRANSITION BETWEEN TEMPORARY PAVEMENT MARKINGS OF THE STAGING AREA AND THE EXISTING PAVEMENT MARKINGS OUTSIDE OF THE STAGING LIMITS.

SYMBOLS

- POST MOUNTED DOUBLE VERTICAL PANELS (BACK TO BACK)
- TEMPORARY SIGN
- TYPE III BARRICADE
- DRUM W/STEADY BURNING LIGHT
- ARROW BOARD
- DIRECTION OF TRAFFIC
- TEMPORARY PAVEMENT
- WORK AREA

TEMPORARY PAVEMENT MARKING LEGEND

1. LINE, 4" WHITE
2. LINE, 4" YELLOW
3. DOTTED LINE, 6" WHITE (2' LINE, 6' SKIP)
4. DOTTED LINE, 4" YELLOW (2' LINE, 6' SKIP)
5. LINE, 4" DOUBLE YELLOW (11" C-C)
6. LINE, 6" WHITE
7. LINE, 24" WHITE
8. LETTERS AND SYMBOLS

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

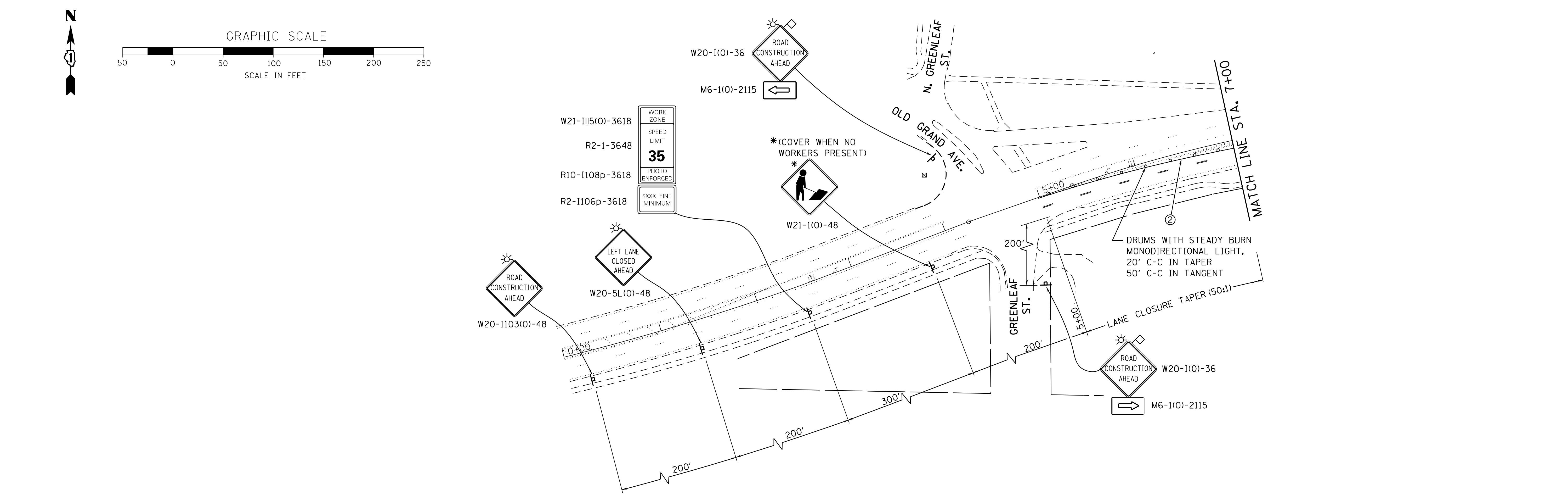
IL ROUTE 132 – (FERNDALE ST TO ESTES ST)
MAINTENANCE OF TRAFFIC (STAGE 2)

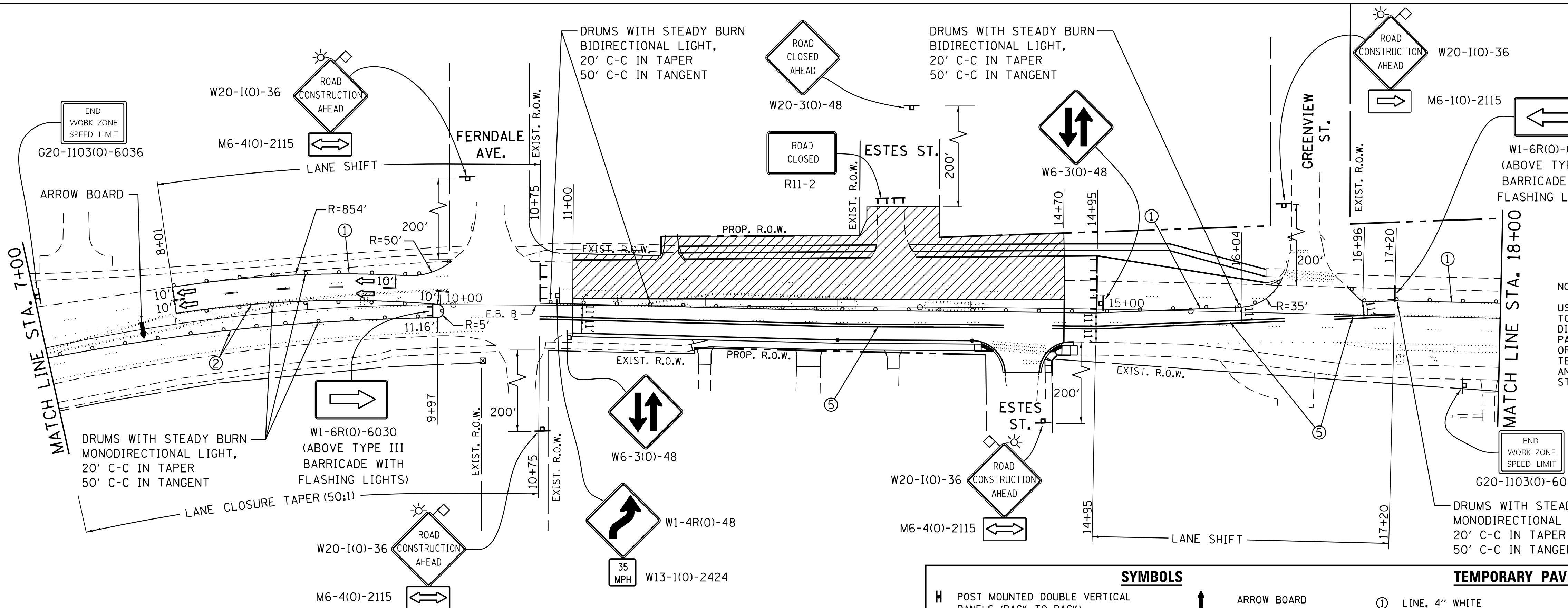
SCALE: | SHEET 4 OF SHEETS | STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
541	(X-J-C)R-1	LAKE	56	15A

CONTRACT NO. 62B73

ILLINOIS FED. AID PROJECT





NOTE:

USE PAVEMENT MARKING BLACKOUT TAPE AS NECESSARY TO COVER ANY EXISTING PAVEMENT MARKINGS WITHIN DIRECTION OF TRAFFIC LANES CREATED BY TEMPORARY PAVEMENT MARKINGS WITHIN THE STAGING LIMITS IN ORDER TO PROVIDE SMOOTH TRANSITION BETWEEN TEMPORARY PAVEMENT MARKINGS OF THE STAGING AREA AND THE EXISTING PAVEMENT MARKINGS OUTSIDE OF THE STAGING LIMITS.

SYMBOLS

- POST MOUNTED DOUBLE VERTICAL PANELS (BACK TO BACK)
- TEMPORARY SIGN
- TYPE III BARRICADE
- DRUM W/STEADY BURNING LIGHT
- ARROW BOARD
- DIRECTION OF TRAFFIC
- TEMPORARY PAVEMENT
- WORK AREA

TEMPORARY PAVEMENT MARKING LEGEND

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4. DOTTED LINE, 4" YELLOW (2' LINE, 6' SKIP)
5. LINE, 4" DOUBLE YELLOW (11" C-C)
6. LINE, 6" WHITE
7. LINE, 24" WHITE
8. LETTERS AND SYMBOLS

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

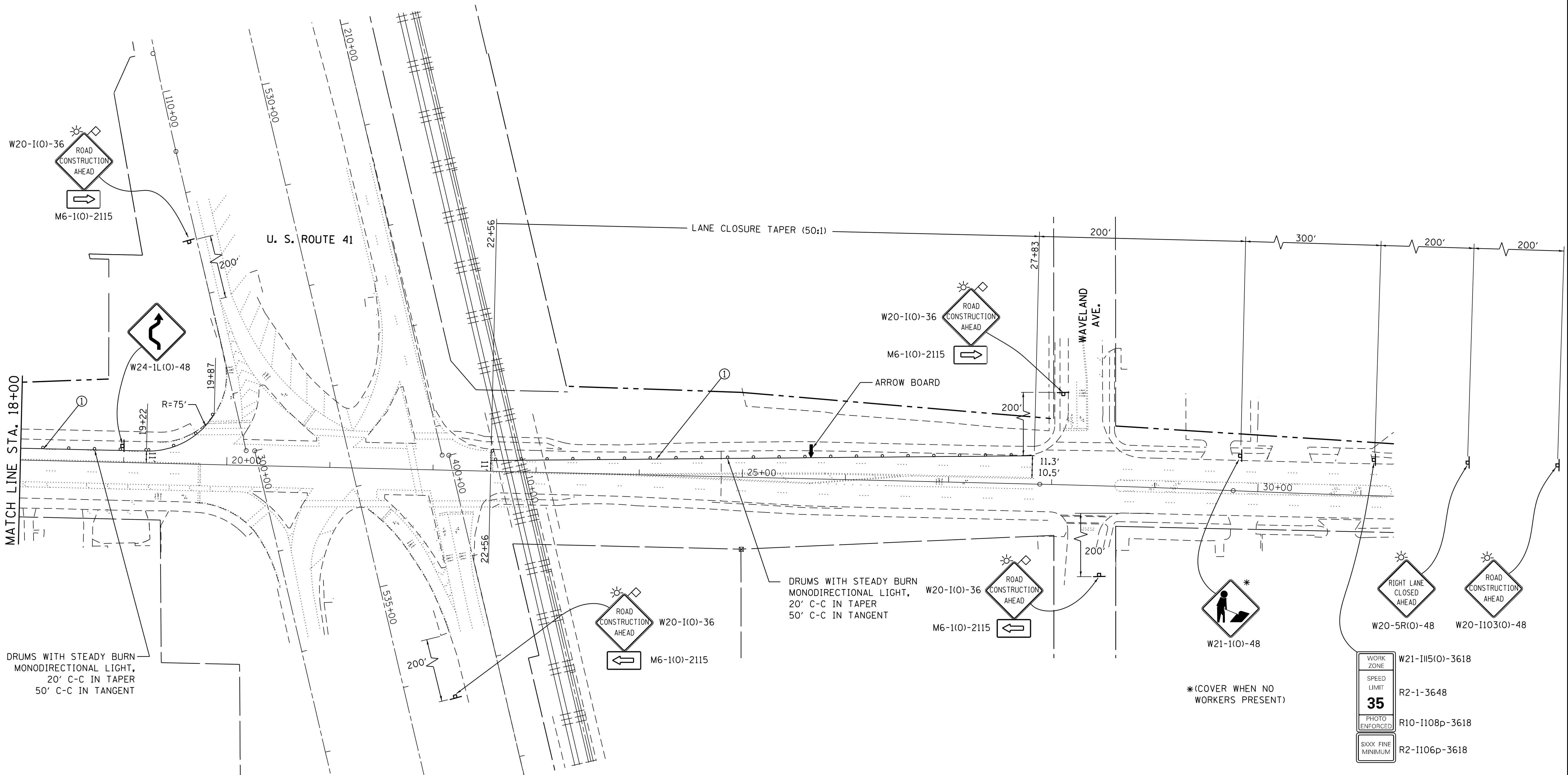
IL ROUTE 132 – (FERNDALE ST TO ESTES ST)
MAINTENANCE OF TRAFFIC (STAGE 3)

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
541	(X-J-C)R-1	LAKE	56	16

CONTRACT NO. 62B73

ILLINOIS FED. AID PROJECT



NOTE:

USE PAVEMENT MARKING BLACKOUT TAPE AS NECESSARY TO COVER ANY EXISTING PAVEMENT MARKINGS WITHIN DIRECTION OF TRAFFIC LANES CREATED BY TEMPORARY PAVEMENT MARKINGS WITHIN THE STAGING LIMITS IN ORDER TO PROVIDE SMOOTH TRANSITION BETWEEN TEMPORARY PAVEMENT MARKINGS OF THE STAGING AREA AND THE EXISTING PAVEMENT MARKINGS OUTSIDE OF THE STAGING LIMITS.

SYMBOLS

- POST MOUNTED DOUBLE VERTICAL PANELS (BACK TO BACK)
- TEMPORARY SIGN
- TYPE III BARRICADE
- DRUM W/STEADY BURNING LIGHT
- ARROW BOARD
- DIRECTION OF TRAFFIC
- TEMPORARY PAVEMENT
- WORK AREA

TEMPORARY PAVEMENT MARKING LEGEND

1. LINE, 4" WHITE
2. LINE, 4" YELLOW
3. DOTTED LINE, 6" WHITE (2' LINE, 6' SKIP)
4. DOTTED LINE, 4" YELLOW (2' LINE, 6' SKIP)
5. LINE, 4" DOUBLE YELLOW (11" C-C)
6. LINE, 6" WHITE
7. LINE, 24" WHITE
8. LETTERS AND SYMBOLS

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 132 - (FERNDALE ST TO ESTES ST)
MAINTENANCE OF TRAFFIC (STAGE 2)

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
541	(X-J-C)R-1	LAKE	56	16A

CONTRACT NO. 62B73

ILLINOIS FED. AID PROJECT

1. THE FOLLOWING PLAN IS ESTABLISHED AND INCORPORATED IN THE PROJECT TO DIRECT THE CONTRACTOR IN THE PLACEMENT OF TEMPORARY EROSION CONTROL SYSTEMS AND TO PROVIDE A STORM SEWER WATER POLLUTION PREVENTION PLAN FOR COMPLIANCE UNDER NPDES.

2. THE PURPOSE OF THIS PLAN IS TO MINIMIZE EROSION WITHIN THE CONSTRUCTION SITE AND TO LIMIT SEDIMENTS FROM LEAVING THE CONSTRUCTION SITE BY UTILIZING PROPER TEMPORARY EROSION CONTROL SYSTEMS AND PROVIDING GROUND COVER WITHIN A REASONABLE AMOUNT OF TIME.

3. CERTAIN EROSION CONTROL FACILITIES SHALL BE INSTALLED BY THE CONTRACTOR AT THE BEGINNING OF CONSTRUCTION. OTHER ITEMS SHALL BE INSTALLED BY THE CONTRACTOR AS DIRECTED BY THE ENGINEER ON A CASE BY CASE SITUATION DEPENDING ON THE CONTRACTOR'S SEQUENCE OF ACTIVITIES, TIME OF YEAR, AND EXPECTED WEATHER CONDITIONS.

4. THE CONTRACTOR SHALL INSTALL PERMANENT EROSION CONTROL SYSTEMS AND SEEDING WITHIN A TIME FRAME SPECIFIED HEREIN AND AS DIRECTED BY THE ENGINEER. THEREFORE MINIMIZING THE AMOUNT OF AREA SUSCEPTIBLE TO EROSION AND REDUCING THE AMOUNT OF TEMPORARY SEEDING. THE ENGINEER WILL DETERMINE IF ANY TEMPORARY EROSION CONTROL SYSTEMS SHOWN IN THE PLAN CAN BE DELETED AND IF ANY ADDITIONAL TEMPORARY EROSION CONTROL SYSTEMS, WHICH ARE NOT INCLUDED IN THIS PLAN, SHALL BE ADDED. THE CONTRACTOR SHALL PERFORM ALL WORK AS DIRECTED BY THE ENGINEER AND AS SHOWN IN STANDARD 280001 OF THE PLANS.

5. SECTION 280, TEMPORARY EROSION CONTROL, OF THE STANDARD SPECIFICATIONS ADDITIONALLY SUPPLEMENTS THIS PLAN.

SITE DESCRIPTION OF CONSTRUCTION ACTIVITY:

1. THE PROJECT CONSISTS OF IL ROUTE 132 FROM FERNDALE AVE. TO GREENVIEW ST.

2. CONSTRUCTION INCLUDES EARTH EXCAVATION, EMBANKMENT, STORM SEWERS, MANHOLES, INLETS, VARIOUS PAVEMENT ITEMS AND OTHER MISCELLANEOUS.

DESCRIPTION OF INTENDED SEQUENCE FROM MAJOR CONSTRUCTION ACTIVITIES WHICH WILL DISTURB SOILS FOR MAJOR PORTIONS OF THE CONSTRUCTION SITE:

1. MAIN DRAIN INSTALLATION ALONG IL 132.

2. EXCAVATION AND EMBANKMENT WILL BE COMPLETED ALONG THE JOB SITE TO GRADE OUT FOR THE PROPOSED ROADWAY.

3. STORM SEWERS, MANHOLES AND INLETS.

4. PAVEMENT, CURB AND GUTTER, SIDEWALK AND DRIVEWAY WORK.

5. FINAL GRADING, PAVING AND OTHER MISCELLANEOUS ITEMS.

AREA OF CONSTRUCTION SITE:

THE TOTAL AREA OF THE CONSTRUCTION SITE IS ESTIMATED TO BE 0.995 ACRES OF WHICH 0.82 ACRES WILL BE DISTURBED BY EXCAVATION, GRADING, AND OTHER ACTIVITIES.

DEVELOPMENT OF TEMPORARY EROSION CONTROL SYSTEMS:

1. INFORMATION OF THE SOILS AND TERRAIN WITHIN THE SITE WAS OBTAINED FROM TOPOGRAPHIC SURVEYS AND SOIL BORINGS THAT WERE UTILIZED FOR THE DEVELOPMENT OF THE PROPOSED TEMPORARY EROSION CONTROL SYSTEMS.

2. PROJECT PLAN DOCUMENTS, SPECIFICATIONS AND SPECIAL PROVISIONS, AND PLAN DRAWINGS INDICATING DRAINAGE PATTERNS AND APPROXIMATE SLOPES ANTICIPATED AFTER GRADING ACTIVITIES WERE UTILIZED FOR THE PROPOSED PLACEMENT OF THE TEMPORARY EROSION CONTROL SYSTEMS.

DRAINAGE TRIBUTARIES AND SENSITIVE AREAS RECEIVING RUNOFF FROM THIS CONSTRUCTION SITE:

1. STORM SEWER OUTLETS TO GURNEE TRIBUTARY AT STATION 4+80 (GREENLEAF AVE.)

CONTROLS - EROSION CONTROLS AND SEDIMENT CONTROL

DESCRIPTION OF STABILIZATION PRACTICES AT THE BEGINNING OF CONSTRUCTION:

1. THE DRAWINGS, SPECIFICATIONS AND SPECIAL PROVISIONS WILL ENSURE THAT EXISTING VEGETATION IS PRESERVED WHERE ATTAINABLE AND DISTURBED PORTIONS OF THE SITE WILL BE STABILIZED. STABILIZATION PRACTICES INCLUDE: TEMPORARY SEEDING, PERMANENT SEEDING, MULCHING, PROTECTION OF TREES, PRESERVATION OF MATURE VEGETATION, AND OTHER APPROPRIATE MEASURES AS DIRECTED BY THE ENGINEER. STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE IN POSITIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED, BUT IN NO CASE MORE THAN ONE (1) DAY AFTER THE CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS TEMPORARILY OR PERMANENTLY CEASES ON ALL DISTURBED PORTIONS OF THE SITE WHERE CONSTRUCTION WILL NOT OCCUR FOR A PERIOD OF FOURTEEN (14) OR MORE CALENDAR DAYS.

   1a. AREAS OF EXISTING VEGETATION (WOOD AND GRASSLANDS) OUTSIDE THE PROPOSED CONSTRUCTION LIMITS SHALL BE IDENTIFIED BY THE ENGINEER FOR PRESERVING AND SHALL BE PROTECTED FROM CONSTRUCTION ACTIVITIES.

   1b. DEAD, DISEASED, OR UNSUITABLE VEGETATION WITHIN THE SITE SHALL BE REMOVED AS DIRECTED BY THE ENGINEER ALONG WITH REQUIRED TREE REMOVAL.

   1c. AS SOON AS REASONABLE ACCESS IS AVAILABLE TO ALL LOCATIONS WHERE WATER DRAINS AWAY FROM THE PROJECT, TEMPORARY DITCH CHECKS, INLET AND PIPE PROTECTION, AND PERIMETER EROSION BARRIER SHALL BE INSTALLED AS CALLED OUT IN THIS PLAN AND DIRECTED BY THE ENGINEER.

   1d. BARE AND SPARSELY VEGETATED GROUND IN HIGH ERODIBLE AREAS AS DETERMINED BY THE ENGINEER SHALL BE TEMPORARILY SEEDED AND RECEIVE EROSION CONTROL BLANKET AT THE BEGINNING OF CONSTRUCTION WHERE NO CONSTRUCTION ACTIVITIES ARE EXPECTED WITHIN SEVEN DAYS.

   1e. IMMEDIATELY AFTER TREE REMOVAL IS COMPLETED, AREAS WHICH ARE HIGHLY ERODIBLE AS DETERMINED BY THE ENGINEER, SHALL BE TEMPORARILY SEEDED AND RECEIVE EROSION CONTROL BLANKET WHEN NO CONSTRUCTION ACTIVITIES ARE EXPECTED WITHIN FOURTEEN (14) DAYS.

   1f. AT LOCATIONS WHERE A SIGNIFICANT AMOUNT OF WATER DRAINS INTO THE CONSTRUCTION ZONE FROM OUTSIDE AREAS (ADJACENT LANDOWNERS), TEMPORARY DITCH CHECKS WILL BE UTILIZED TO LOCALLY DIVERT WATER, REDUCE FLOW RATES, AND COLLECT OUTSIDE SILTATION INSIDE THE RIGHT-OF-WAY LINE.

2. ESTABLISHMENT OF THESE TEMPORARY EROSION CONTROL MEASURES WILL HAVE ADDITIONAL BENEFITS TO THE PROJECT. DESIRABLE GRASS SEED WILL BECOME ESTABLISHED IN THESE AREAS AND WILL SPREAD SEEDS ONTO THE CONSTRUCTION SITE UNTIL PERMANENT SEEDING/ MOWING AND OVERSEEDING CAN BE COMPLETED.

DESCRIPTION OF STRUCTURAL PRACTICES AFTER FINAL GRADING:

1. TEMPORARY EROSION CONTROL SYSTEMS SHALL BE LEFT IN PLACE WITH PROPER MAINTENANCE UNTIL PERMANENT EROSION CONTROL IS IN PLACE AND WORKING PROPERLY AND ALL PROPOSED TURF AREAS SEEDED AND ESTABLISHED.

2. ONCE PERMANENT EROSION CONTROL SYSTEMS AS PROPOSED IN THE PLANS ARE FUNCTIONAL AND ESTABLISHED, TEMPORARY ITEMS SHALL BE REMOVED, CLEAN UP, AND DISTURBED TURF RESEEDED.

MAINTENANCE AFTER CONSTRUCTION:

CONSTRUCTION IS COMPLETE AFTER ACCEPTANCE BY IDOT FINAL INSPECTION. MAINTENANCE UP TO THIS DATE WILL BE BY THE CONTRACTOR.

MISCELLANEOUS:

1. MAXIMUM SPACING BETWEEN THE TEMPORARY DITCH CHECK SHOUD BE SUCH THAT THE TOE OF THE UPSTREAM DITCH CHECK IS AT THE SAME ELEVATION AS THE TOP OF THE ROCK AT THE CENTER OF THE DOWNSTREAM DITCH CHECK; SEE FIGURE 41-3B OF CHEAPTER 41 OF BDE MANUAL.

2. TEMPORARY EROSION CONTROL SEEDING SHALL BE APPLIED AT A RATE OF 100 LBS/ACRE.

3. STRAW BALES, HAY BALES, PERIMETER EROSION BARRIER AND SILT FENCES WILL NOT BE PERMITTED FOR TEMPORARY OR PERMANENT DITCH CHECKS. DITCH CHECKS SHALL BE COMPOSED OF AGGREGATE, SILT PANELS, ROLLED EXCELSIOR, URETHAME FOAM/GEOTEXTILE SILT WEDGES, OR ANY OTHER MATERIAL APPROVED BY THE EROSION AND SEDIMENT CONTROL COORDINATOR.

4. SEDIMENT COLLECTED DURING CONSTRUCTION BY THE VARIOUS TEMPORARY EROSION CONTROL SYSTEMS SHALL BE DISPOSED OF ON THE SITE ON A REGULAR BASIS, AS DIRECTED BY THE ENGINEER. THE COST OF THIS MAINTENANCE SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER CUBIC YARD FOR EARTH EXCAVATION.

5. ALL EROSION CONTROL PRODUCTS FURNISHED SHALL BE SPECIFICALLY RECOMMENDED BY THE MANUFACTURER FOR THE USE SPECIFIED IN THE EROSION CONTROL PLAN. PRIOR TO THE APPROVAL AND USE OF THE PRODUCT, THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER A NOTARIZED CERTIFICATION BY THE PRODUCER STATING THE INTENDED USE OF THE PRODUCT AND THAT THE PHYSICAL PROPERTIES REQUIRED FOR THIS APPLICATION ARE MET OR EXCEEDED. THE CONTRACTOR SHALL PROVIDE MANUFACTURER INSTALLATION PROCEDURES TO FACILITATE THE ENGINEER IN CONSTRUCTION INSPECTION.

DESCRIPTION OF STABILIZATION PRACTICES DURING CONSTRUCTION:

1. DURING CONSTRUCTION, AREAS OUTSIDE THE CONSTRUCTION LIMITS AS OUTLINED PREVIOUSLY HEREIN SHALL BE PROTECTED. THE CONTRACTOR SHALL NOT USE THIS AREA FOR STAGING (EXCEPT AS DESCRIBED ON THE PLANS AND DIRECTED BY THE ENGINEER), PARKING OF VEHICLES OR CONSTRUCTION EQUIPMENT, STORAGE OF MATERIALS, OR OTHER CONSTRUCTION RELATED ACTIVITIES.

   1a. WITHIN THE CONSTRUCTION LIMITS, AREAS WHICH MAY BE SUSCEPTIBLE TO EROSION AS DETERMINED BY THE ENGINEER SHALL REMAIN UNDISTURBED UNTIL FULL SCALE CONSTRUCTION IS UNDERWAY TO PREVENT UNNECESSARY SOIL EROSION.

   1b. EARTH STOCKPILES SHALL BE TEMPORARILY SEEDED IF THEY ARE TO REMAIN UNUSED FOR MORE THAN FOURTEEN DAYS. EARTH STOCKPILES SHALL NOT BE PLACED IN FLOODWAY OR FLOODPLAIN AREAS.

   1c. AS CONSTRUCTION PROCEEDS, THE CONTRACTOR SHALL INSTITUTE THE FOLLOWING AS DIRECTED BY THE ENGINEER:

      1c.I. PLACE TEMPORARY EROSION CONTROL FACILITIES AT LOCATIONS SHOWN ON THE PLANS.

      1C.II. TEMPORARILY SEED ERODIBLE BARE EARTH ON A WEEKLY BASIS TO MINIMIZE THE AMOUNT OF ERODIBLE SURFACE AREA WITHIN THE CONTRACT LIMITS.

      1C.III. CONSTRUCT ROADSIDE DITCHES AND PROVIDE TEMPORARY EROSION CONTROL SYSTEMS.

      1C.IV. TEMPORARILY DIVERT WATER AROUND PROPOSED CULVERT LOCATIONS.

      1C.V. CONTINUE BUILDING UP THE EMBANKMENT TO THE PROPOSED GRADE WHILE AT THE SAME TIME PLACING PERMANENT EROSION CONTROL SUCH AS RIP RAP DITCH LINING AND CONDUCTING FINAL SHAPING TO THE SLOPES.

   1d. EXCAVATED AREAS AND EMBANKMENT SHALL BE PERMANENTLY SEEDED IMMEDIATELY AFTER FINAL GRADING. IF NOT, THEY SHALL BE TEMPORARILY SEEDED IF NO CONSTRUCTION ACTIVITY IN THE AREA IS PLANNED FOR 14 DAYS.

   1e. CONSTRUCTION EQUIPMENT SHALL BE STORED AND FUELED ONLY AT DESIGNATED LOCATIONS. ALL NECESSARY MEASURES SHALL BE TAKEN TO CONTAIN ANY FUEL OR OTHER POLLUTANTS IN ACCORDANCE WITH EPA WATER QUALITY REGULATIONS. LEAVING EQUIPMENT OR SUPPLIES SHALL BE IMMEDIATELY REPAIRED OR REMOVED FROM THE SITE.

   1f. THE RESIDENT ENGINEER SHALL INSPECT THE PROJECT DAILY DURING CONSTRUCTION ACTIVITIES. INSPECTION SHALL ALSO BE DONE WEEKLY AND AFTER RAINS OF ½ INCH OR GREATER OR AFTER EACH SIGNIFICANT SNOW MELT DURING THE WINTER SHUTDOWN PERIOD. THE PROJECT SHALL ADDITIONALLY BE INSPECTED BY THE CONSTRUCTION FIELD ENGINEER ON BI-WEEKLY BASIS TO DETERMINE THAT EROSION CONTROL EFFORTS ARE IN PLACE AND EFFECTIVE AND IF OTHER EROSION CONTROL WORK IS NECESSARY.

   1g. SEDIMENT COLLECTED DURING CONSTRUCTION OF THE VARIOUS TEMPORARY EROSION CONTROL SYSTEMS SHALL BE DISPOSED OF ON THE SITE ON A REGULAR BASIS AS DIRECTED BY THE ENGINEER. THE COST OF THIS MAINTENANCE SHALL BE PAID FOR AS EARTH EXCAVATION.

   1h. THE TEMPORARY EROSION CONTROL SYSTEMS SHALL BE REMOVED AS DIRECTED BY THE ENGINEER AFTER USE IS NO LONGER NEEDED OR NO LONGER FUNCTIONING. THE COST OF THIS REMOVAL SHALL BE INCLUDED IN THE LIMIT BID PRICE FOR VARIOUS TEMPORARY EROSION CONTROL PAY ITEMS.

   THIS PLAN HAS BEEN PREPARED TO COMPLY WITH THE PROVISIONS OF THE NPDES PERMIT NUMBER ILR10, ISSUED BY THE ILLINOIS ENVIRONMENTAL PROTECTION AGENCY FOR STORM WATER DISCHARGES FROM CONSTRUCTION SITE ACTIVITIES.

GENERAL NOTES - SEDIMENT AND EROSION CONTROL REQUIREMENTS

1. EROSION CONTROL ITEMS ARE CONSIDERED TO BE HIGH PRIORITY ITEMS ON THIS CONTRACT. THE ENGINEER WILL IMPLEMENT ALL PROVISIONS OF THE SPECIFICATION NECESSARY TO ASSURE THAT EROSION CONTROL ITEMS ARE CONSTRUCTED AND MAINTAINED IN A TIMELY WAY ALL EROSION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO BEGINNING ANY CONSTRUCTION ACTIVITIES, WHICH WILL POTENTIALLY CREATE ERODABLE CONDITIONS.

2. THE EROSION CONTROL MEASURES SHOWN ARE BUT A GRAPHICAL REPRESENTATION OF THE MINIMUM REQUIREMENTS. DEVIATIONS FROM THIS PLAN ARE TO BE EXPECTED AND ADDITIONAL MEASURES MAY BE REQUIRED, AS DIRECTED BY THE ENGINEER, LAKE COUNTY STORMWATER COMMISSION APPROVED DESIGNATED EROSION CONTROL INSPECTOR, OR GOVERNING AGENCY.

3. SOIL DISTURBANCE SHALL BE CONDUCTED IN SUCH A MANNER AS TO MINIMIZE EROSION. SOIL STABILIZATION MEASURES SHALL CONSIDER THE TIME OF YEAR, SITE CONDITIONS AND THE USE OF TEMPORARY OR PERMANENT MEASURES.

4. SOIL EROSION AND SEDIMENT CONTROL FEATURES SHALL BE CONSTRUCTED PRIOR TO THE COMMENCEMENT OF HYDROLOGIC DISTURBANCE OF UPLAND AREAS.

5. DISTURBED AREAS SHALL BE STABILIZED WITH TEMPORARY OR PERMANENT MEASURES WITHIN ONE (1) DAY OF THE END OF HYDROLOGIC DISTURBANCE OR REDISTURBANCE, REGARDLESS OF WEATHER CONDITIONS OR PROGRESS OF WORK.

6. AREAS OF EMBANKMENT HAVING SLOPES GREATER THAN OR EQUAL TO 3H:1V, AND APPROVED BY THE ENFORCEMENT OFFICER, SHALL BE STABILIZED WITH SOD, MAT, OR BLANKET IN COMBINATION WITH SEEDING.

7. ALL STORM SEWERS THAT ARE OR WILL BE FUNCTIONING DURING CONSTRUCTION SHALL BE PROTECTED, BY AN APPROPRIATE SEDIMENT CONTROL MEASURE.

8. ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED WITHIN 30 DAYS AFTER FINAL SITE STABILIZATION IS ACHIEVED OR AFTER THE TEMPORARY MEASURES ARE NO LONGER NEEDED.

9. ALL TEMPORARY AND PERMANENT EROSION CONTROL MEASURES MUST BE MAINTAINED AND REPAIRED AS NEEDED. THE CONTRACTOR SHALL BE ULTIMATELY RESPONSIBLE FOR MAINTENANCE REPAIR.

10. SOIL STOCKPILES SHALL NOT BE LOCATED IN A FLOOD PRONE AREA OR DESIGNATED BUFFER PROTECTING WATERS OF THE UNITED STATES OR ISOLATED WATERS OF LAKE COUNTY.

11. SILT FENCE USED IN IDOT JURISDICTION SHALL MEET MINIMUM AASHTO M288-00 STANDARDS.

12. THE USE OF HAY OR STRAW BALES SHALL NOT BE PERMITTED IN THE IMPLEMENTATION OF TEMPORARY DITCH CHECKS OR INLET AND PIPE PROTECTION.

13. THE DEPARTMENT HAS NOT OBTAINED ANY PERMITS FOR OFFSITE BORROW, WASTE USE(BWU) AREAS. PRIOR TO WORKING IN BWU AREAS, IF THE CONTRACTOR CHOOSES TO USE ACTIVITIES REQUIRING PERMITS IT IS THE CONTRACTOR'S RESPONSIBILITY TO SECURE THE PROPER PERMITS, IN ADDITION TO THE BORROW REVIEW (BDE 2289) AND USE/WASTE REVIEW (BDE 2290) SUBMITTALS. THE CONTRACTOR SHALL SUBMIT AN EROSION AND SEDIMENT CONTROL (ESC) PLAN FOR EVERY BWU SITE TO THE DEPARTMENT FOR ACCEPTANCE. GUIDELINES FOR ACCEPTABLE BWU PRACTICES CAN BE FOUND IN SECTION II.G.1 AND 2 OF THE SWPPP. THE COST OF ALL MATERIALS AND LABOR NECESSARY TO COMPLY WITH THE ABOVE PROVISIONS TO PREPARE AND IMPLEMENT ESC PLANS WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE UNIT BID PRICES OF THE CONTRACT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

14. ALL ESC MEASURES WILL BE MAINTAINED IN ACCORDANCE WITH THE IDOT EROSION AND SEDIMENT CONTROL FIELD GUIDE FOR CONSTRUCTION INSPECTION AND IDOT'S BEST MANAGEMENT PRACTICES-MAINTENANCE GUIDE: HTTP://WWW.IDOT.ILLINOIS.GOV/TRANSPORTATION-SYSTEM/ENVIRONMENTAL/EROSION-AND-SEDIMENT-CONTROL

15. THE CONTRACTOR WILL ASSUME RESPONSIBILTY FOR MAINTENANCE OF ALL SOIL EROSION CONTROL DURING CONSTRUCTION.

16. THE CONTRACTION SHALL CHECK ALL ESC MEASURES WEEKLY AND AFTER EACH RAINFALL, 0.5 INCHES OR GREATER IN A 24 HOUR PERIOD, OR EQUIVALENT SNOWFALL. ADDITIONALLY DURING WINTER MONTHS, ALL MEASURES SHOULD BE CHECKED BY THE CONTRACTOR AFTER EACH SIGNIFICANT SNOW MELT.

17. THE CONTRACTOR SHOULD PROVIDE TO THE RE A PLAN TO ENSURE THAT A STABILIZED FLOW LINE WILL BE PROVIDED DURING STORM SEWER CONSTRUCTION. THE USE OF A STABILIZED FLOW LINE BETWEEN INSTALLED STORM SEWER AND OPEN DISTURBANCE WILL REDUCE THE POTENTIAL FOR THE OFFSITE DISCHARGE OF SEDIMENT-BEARING WATERS, ESPECIALLY WHEN RAIN IS FORECASTED, SO THAT FLOW WILL NOT ERODE. LACK OF APPROVED PLAN OR FAILURE TO COMPLY WILL RESULT IN AN ESC DEFICIENCY DEDUCTION.

18. ANY LOOSE MATERIAL DEPOSITED IN THE FLOW LINE OF DRAINAGE STRUCTURES, WHICH OBSTRUCTS THE NATURAL FLOW OF WATER, SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY. PRIOR TO ACCEPTANCE OF THE IMPROVEMENT, ALL DRAINAGE STRUCTURES SHALL BE FREE OF DIRT AND DEBRIS. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED AS INCIDENTAL.

19. TEMPORARY OR PERMANENT STABILIZATION SHALL BE INITIATED IMMEDIATELY UPON COMPLETION OF DISTURBANCE OR IF THE WORK AREA IS TO BE LEFT UNDISTURBED FOR 14 DAYS OR MORE.

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 132 – (FERNDALE ST TO ESTES ST)
EROSION AND SEDIMENT CONTROL PLANS – GENERAL NOTES

SCALE: NONE | SHEET OF SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
541	(X-J-C)R-1	LAKE	56	17
		CONTRACT NO. 62B73		
		ILLINOIS FED. AID PROJECT		

N

GRAPHIC SCALE

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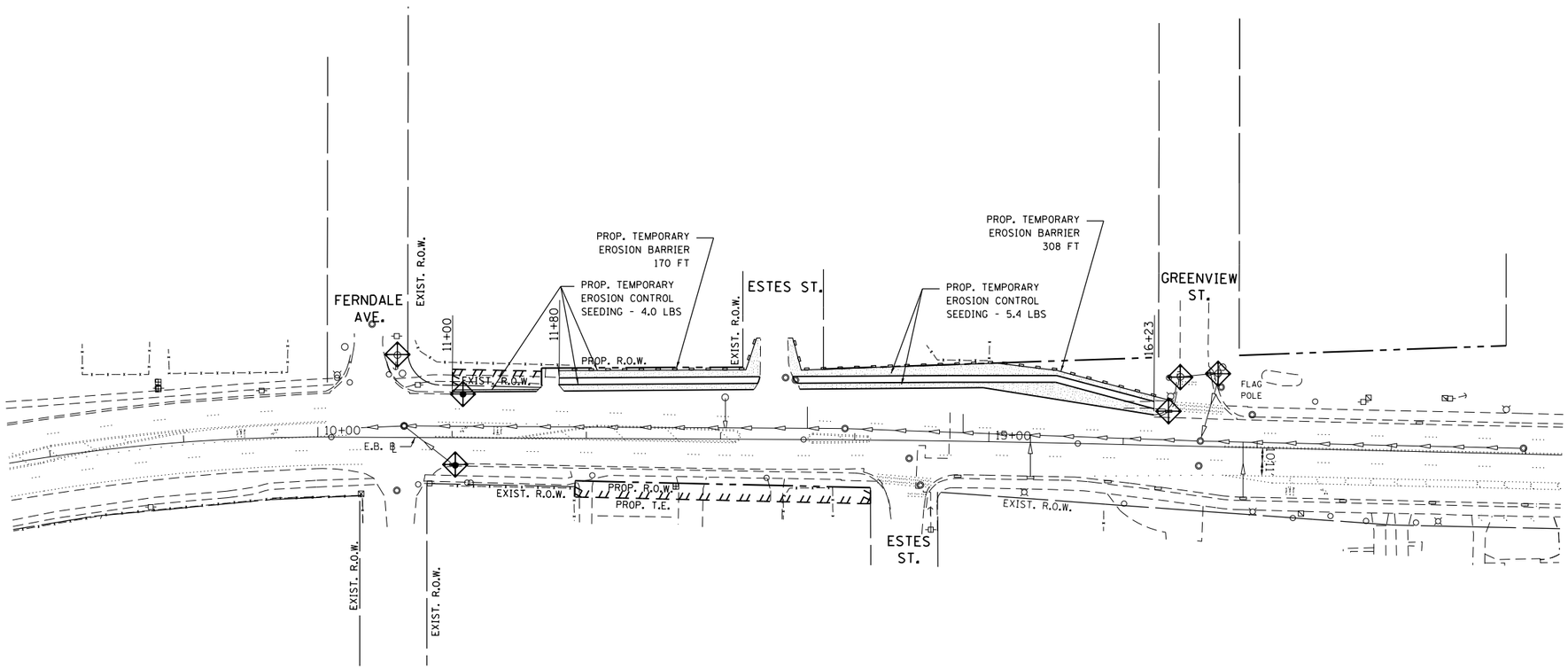

LEGEND

- PERIMETER EROSION BARRIER
- PERIMETER EROSION BARRIER FROM PREVIOUS STAGE (TO BE MAINTAINED)
- ROADWAY DITCH FLOW ARROW
- TEMPORARY DITCH CHECKS
- TEMPORARY EROSION CONTROL SEEDING EROSION CONTROL BLANKET
- INLET PROTECTION
- INLET PROTECTION FROM PREVIOUS STAGE (TO BE MAINTAINED)

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	PLOT DATE = 1/26/2016	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 132 – (FERNDALE ST TO ESTES ST)
EROSION AND SEDIMENT CONTROL PLANS (STAGE 1)

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
541	(X-J-C)R-1	LAKE	56	18
		CONTRACT NO. 62B73		
	ILLINOIS	FED. AID PROJECT		

N

GRAPHIC SCALE

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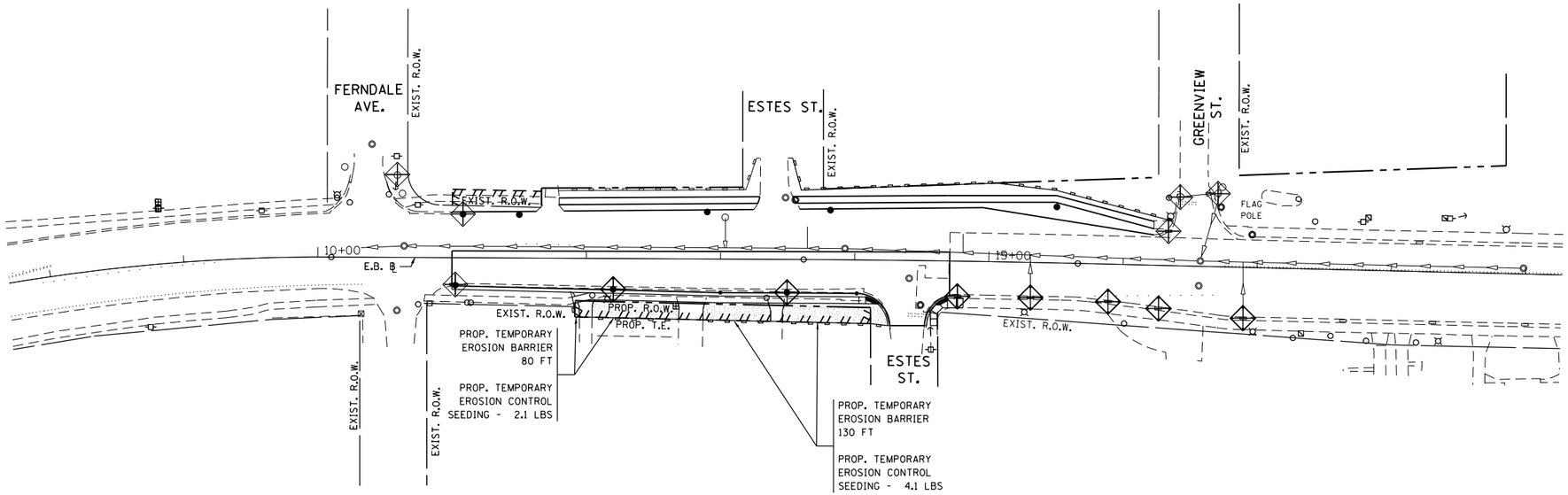

LEGEND

- PERIMETER EROSION BARRIER
- PERIMETER EROSION BARRIER FROM PREVIOUS STAGE (TO BE MAINTAINED)
- ROADWAY DITCH FLOW ARROW
- TEMPORARY DITCH CHECKS
- TEMPORARY EROSION CONTROL SEEDING EROSION CONTROL BLANKET
- INLET PROTECTION
- INLET PROTECTION FROM PREVIOUS STAGE (TO BE MAINTAINED)

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		DRAWN - RJB	REVISED -
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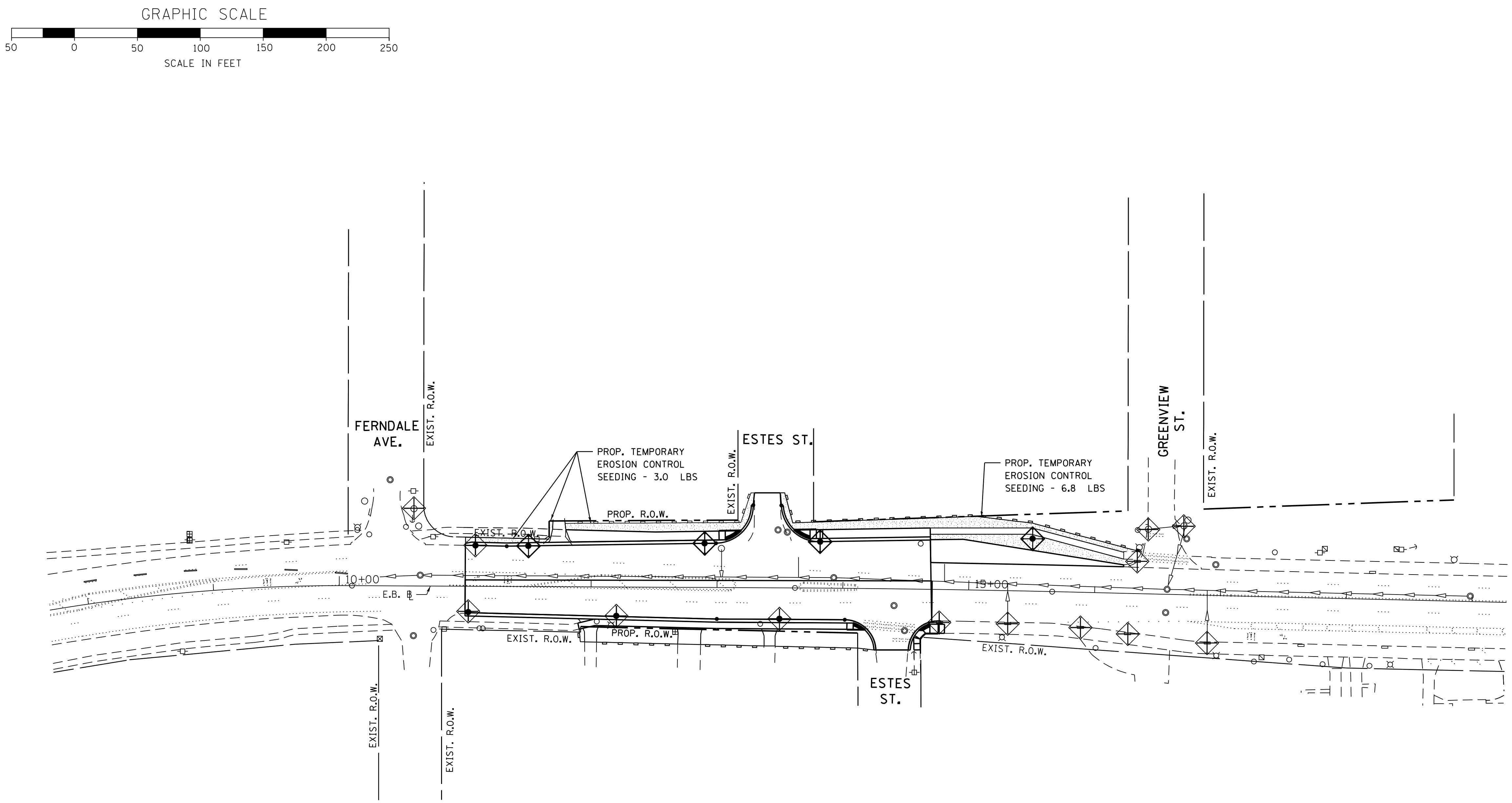
	PLOT DATE = 1/26/2016	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

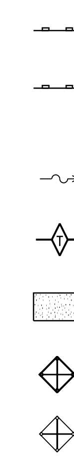
IL ROUTE 132 – (FERNDALE ST TO ESTES ST)
EROSION AND SEDIMENT CONTROL PLANS (STAGE 2)

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
541	(X-J-C)R-1	LAKE	56	19
		CONTRACT NO. 62B73		
	ILLINOIS	FED. AID PROJECT		



LEGEND



PERIMETER EROSION BARRIER

PERIMETER EROSION BARRIER FROM PREVIOUS STAGE (TO BE MAINTAINED)

ROADWAY DITCH FLOW ARROW

TEMPORARY DITCH CHECKS

TEMPORARY EROSION CONTROL SEEDING EROSION CONTROL BLANKET

INLET PROTECTION

INLET PROTECTION FROM PREVIOUS STAGE (TO BE MAINTAINED)

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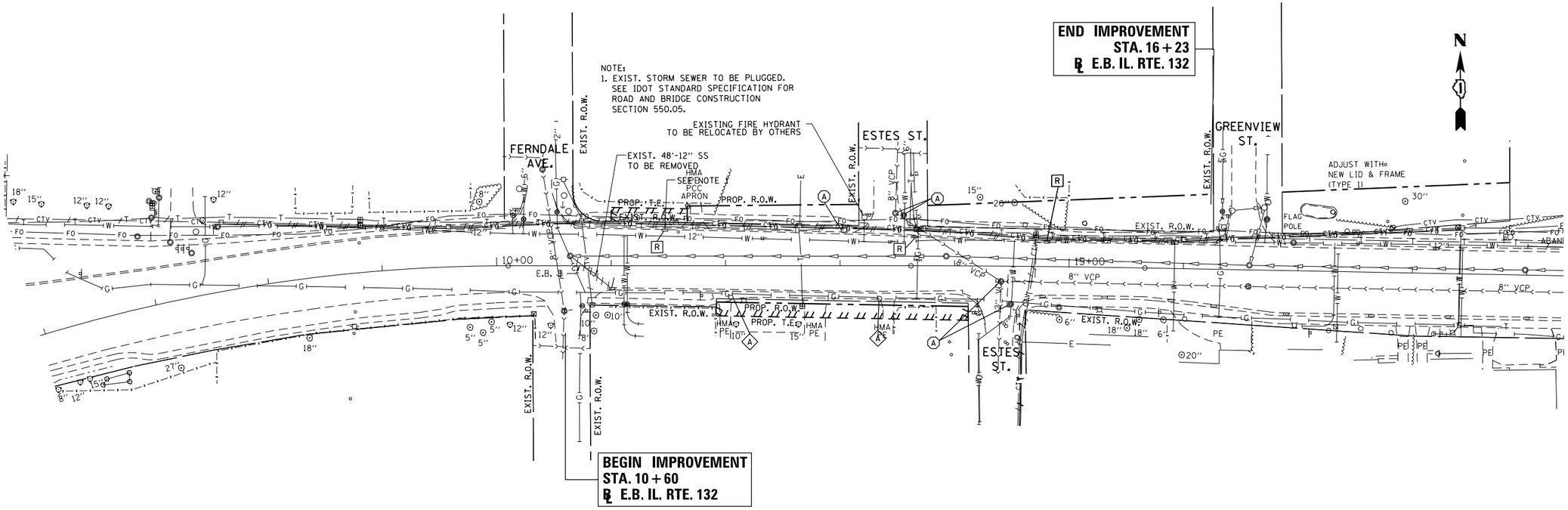
	PLOT DATE = 1/26/2016	DATE -	REVISED -

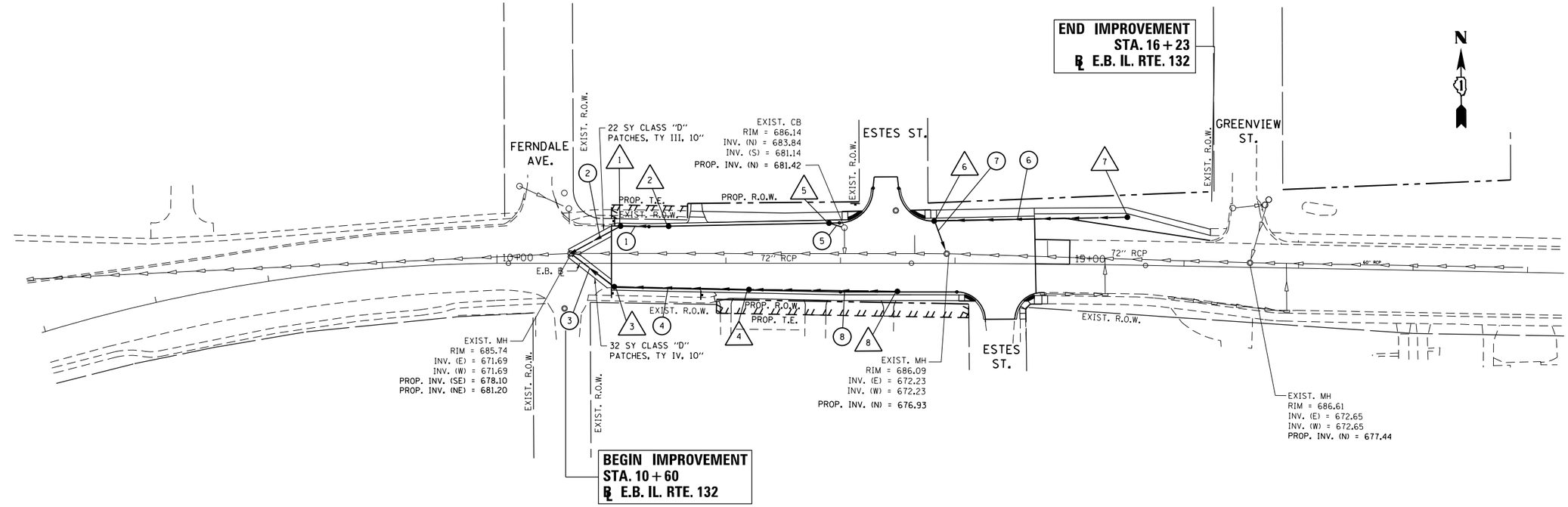
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 132 – (FERNDALE ST TO ESTES ST)
EROSION AND SEDIMENT CONTROL PLANS (STAGE 3)

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
541	(X-J-C)R-1	LAKE	56	20
		CONTRACT NO. 62B73		
	ILLINOIS FED. AID PROJECT			





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	PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -			541	(X-J-C)R-1	LAKE	56	21
	PLOT DATE = 1/26/2016	DATE -	REVISED -		SCALE: 1"=50' SHEET OF SHEETS STA. TO STA.			CONTRACT NO. 62B73		
								ILLINOIS FED. AID PROJECT		

PLAN

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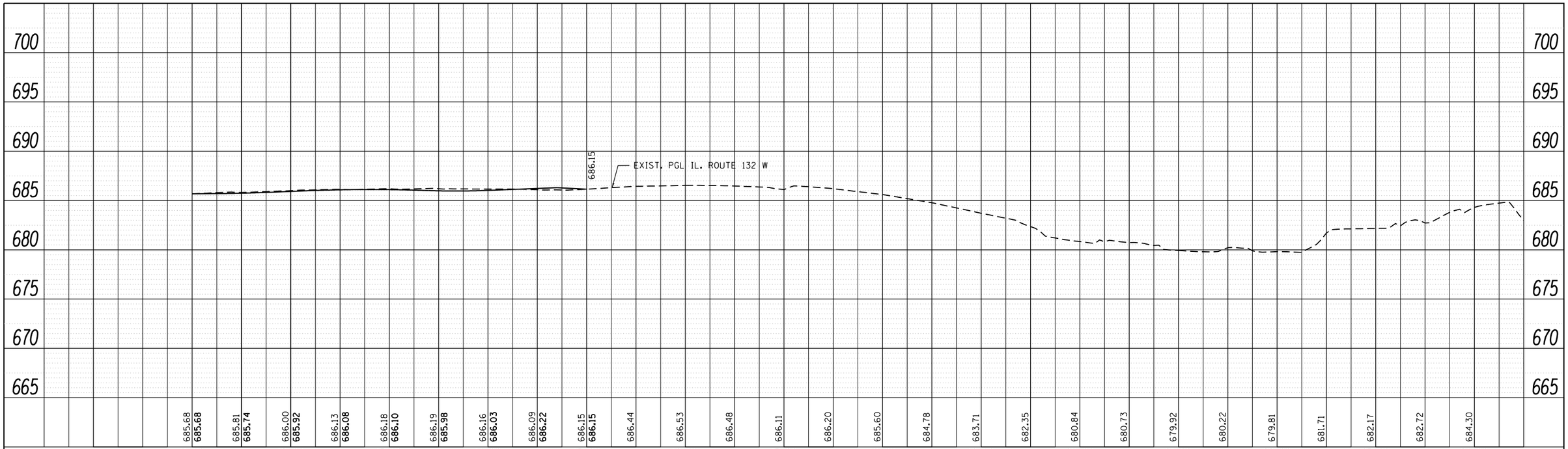
ALIGNMENT CHECKED	
RT. OF WAY CHECKED	
CADD FILE NAME	
NOTE BOOK	
NO.	

BY	DATE



PROFILE

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NOTE BOOK	
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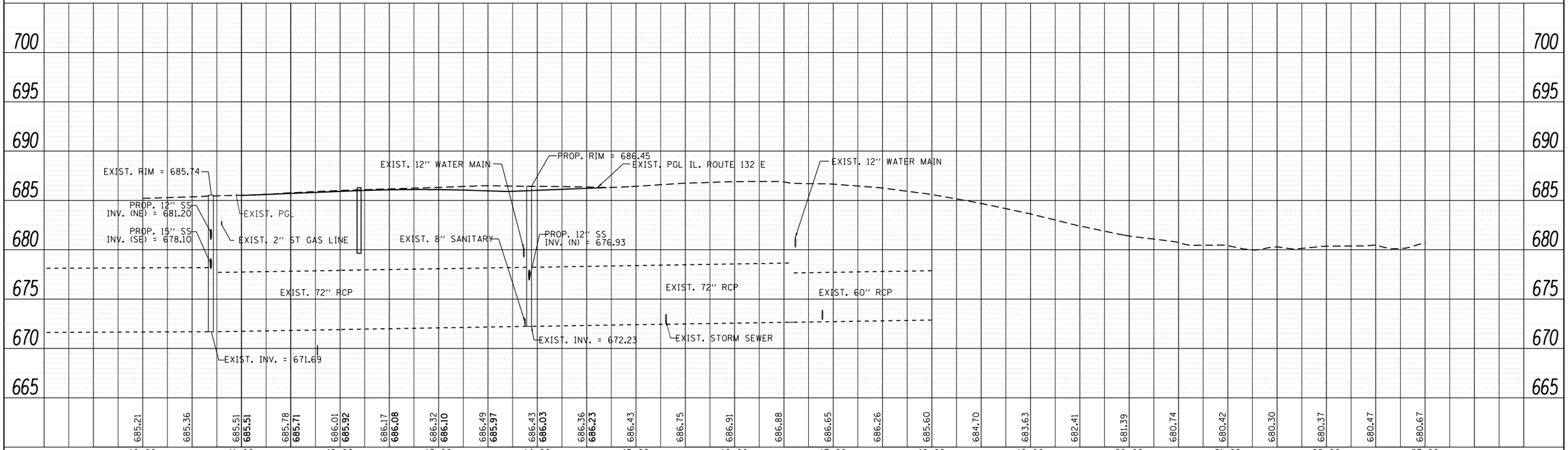
BY	DATE



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 132 (FERNDALE ST TO ESTES ST)
PROPOSED DRAINAGE PROFILES

SCALE: 1"=50' | SHEET OF SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
541	(X-J-C)R-1	LAKE	56	22
		CONTRACT NO. 62B73		
		ILLINOIS FED. AID PROJECT		

DRAINAGE STRUCTURE SCHEDULE

STRUCTURE NUMBER	STATION	OFFSET	BASELINE	STRUCTURE TYPE		DIA. (FT.)	FRAME & LID	TOP OF FRAME	N INV.	E INV.	S INV.	W INV.
				MH	CB							
01	11+08.00	32.46 LT.	IL RTE. 132 (EB)		A	4	T24 F&G	685.65		681.25		681.15
02	11+50.00	32.33 LT.	IL RTE. 132 (EB)		A	4	T24 F&G	685.26				681.26
03	11+02.33	20.51 RT.	IL RTE. 132 (EB)		A	4	T24 F&G	684.94	678.50	678.60		
04	12+20.00	22.93 RT.	IL RTE. 132 (EB)		A	4	T24 F&G	685.52		680.03		679.53
05	12+90.00	35.07 LT.	IL RTE. 132 (EB)		A	4	T24 F&G	685.55		681.55		
06	13+82.00	36.89 LT.	IL RTE. 132 (EB)		A	4	T24 F&G	685.29		678.75	677.05	
07	15+50.00	41.73 LT.	IL RTE. 132 (EB)		A	4	T1 F. CL	685.96				679.65
08	13+52.00	24.76 RT.	IL RTE. 132 (EB)		A	4	T24 F&G	685.44				681.33

STORM SEWER SCHEDULE

PIPE NUMBER	STRUCTURE NUMBER		TYPE	DIA. (IN)	LENGTH (FT.)	SLOPE (%)	T.B. (CU.YD.)
	FROM	TO					
01	2	1	1	12	41	0.56	8.7
02	1	EX. MH	2	12	49	1.00	13.6
03	3	EX. MH	2	15	48	0.83	37.4
04	4	3	2	15	117	0.79	59.4
05	5	EX. CB	1	12	13	1.00	2.2
06	7	6	2	15	167	0.54	115.8
07	6	EX. MH	2	15	30	0.50	25.4
08	8	4	2	12	130	1.00	86.3

** PROVIDE TRENCH BACKFILL THROUGH ENTIRE TRENCH FOR FUTURE PROPOSED ROADWAY IMPROVEMENTS.

* CONNECTION TO EXISTING STRUCTURE INCLUDED IN THE COST OF STORM SEWER.

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	PLOT DATE = 12/23/2015	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 132 (FERNDALE ST TO ESTES ST)
PROPOSED DRAINAGE SCHEDULE

SCALE: NONE | SHEET OF SHEETS | STA. | TO STA.

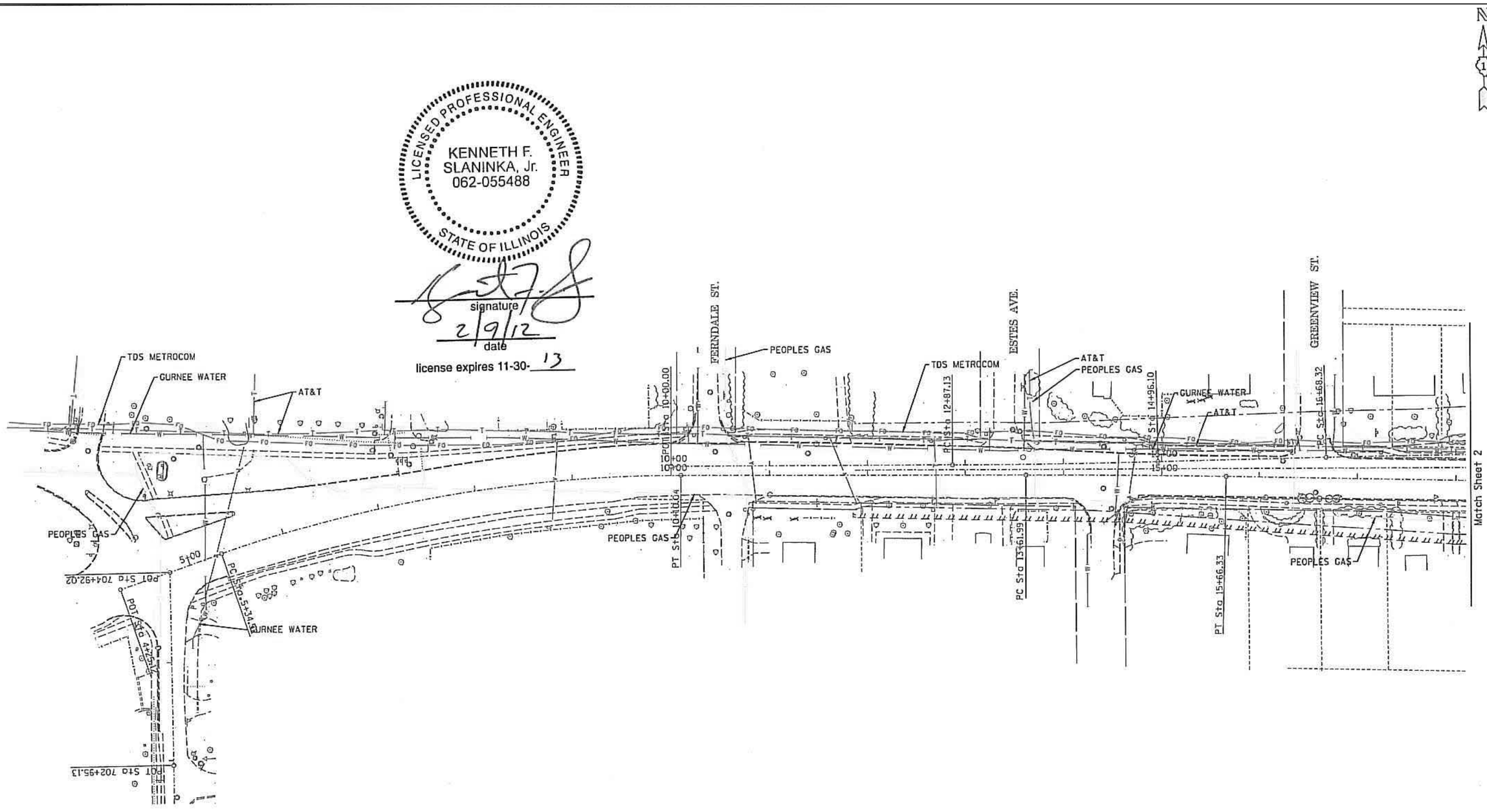
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
541	(X-J-C)R-1	LAKE	56	23
		CONTRACT NO. 62B73		
	ILLINOIS	FED. AID PROJECT		

LICENSED PROFESSIONAL ENGINEER
KENNETH F. SLANINKA, Jr.
062-055488
STATE OF ILLINOIS

signature

2/9/12
date

license expires 11-30-13



AERIAL UTILITY	A — A
UNKNOWN	
CABLE TV	CTV — CTV
TELEPHONE	T — T
GAS	
ELECTRIC	E — E
WATER	W
FIBER OPTIC	FO — FO
SEWER	
TBE TEST HOLE	

UTILITY OWNERS

At&T = TELEPHONE
AT&T = FIBER OPTIC
COMCAST = FIBER OPTIC
COMED = ELECTRIC
GURNEE = WATER
PEOPLES = GAS
TDS METROCOM = FIBER OPTIC
QWEST = FIBER OPTIC

Utilities shown on these plans as depicted in the legend have been investigated by Cardno TBE in accordance with SUE Industry Standards. All other information shown has been provided to Cardno TBE by others. Cardno TBE's SUE field investigation was performed from 1/11/12 through 1/27/12. Changes to utilities after 1/27/12 may have been made and therefore may result in variances from this plan. Consideration should be given to updating this plan if deemed advisable prior to final design and construction.

ALL UTILITIES SHOWN QUALITY LEVEL "B" UNLESS NOTED OTHERWISE.

20 0 METERS 20 40
50 0 FEET 50 100

Cardno TBE
CIVIL ENGINEERING * TRANSPORTATION * ENVIRONMENTAL * PLANNING * UTILITY ENGINEERING/LOCATING

TBE Job No. IL09510468
SUE Plan Page: 1 of 4

Utility Quality Level "A" : Visually Verified Test Hole
Utility Quality Level "B" : Designating/Test Holes not Visually Verified
Utility Quality Level "C" : Research with Survey
Utility Quality Level "D" : Records Research

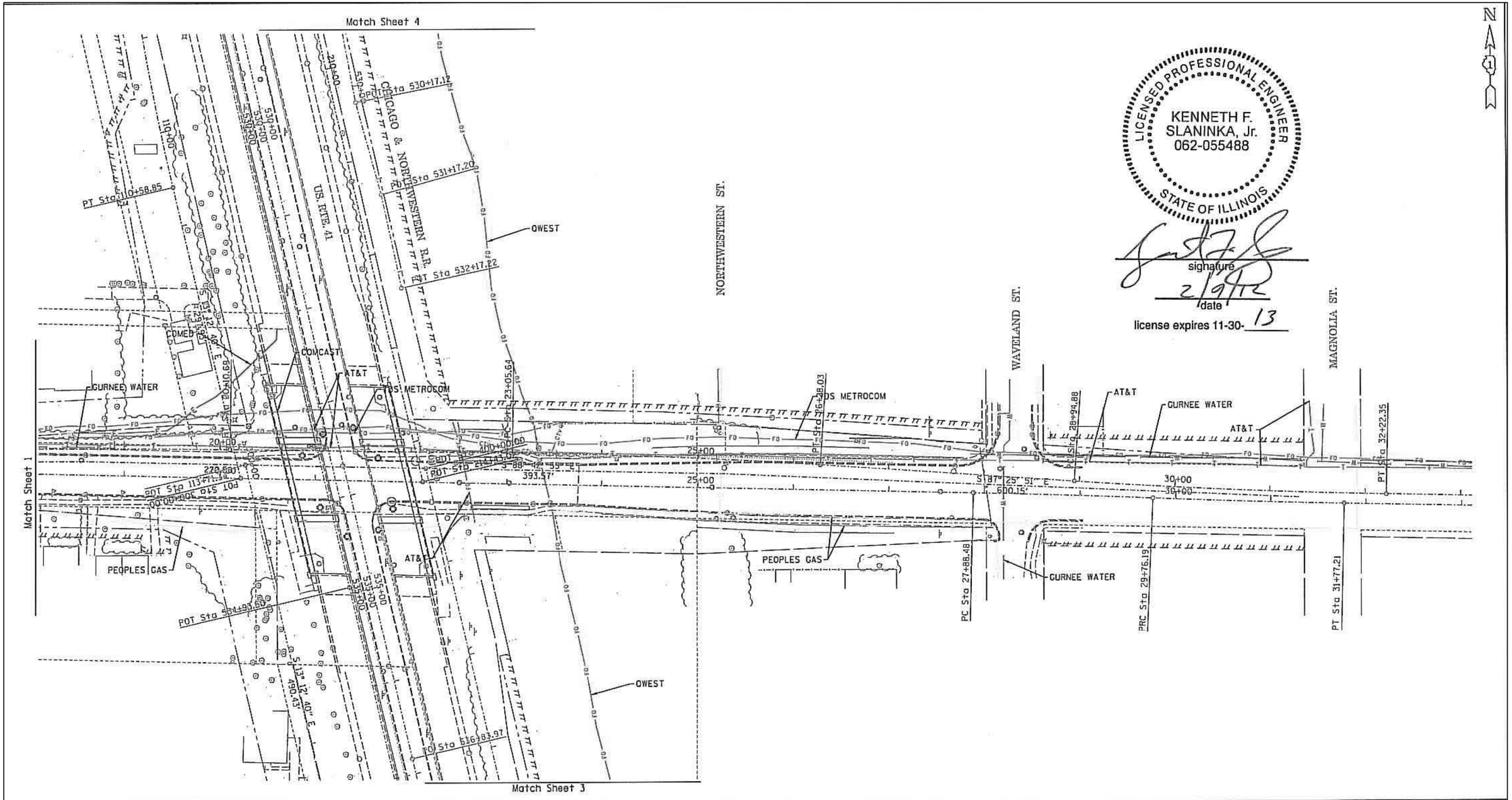
DESIGNED	LP	REVISED
DRAWN	KLC	REVISED
CHECKED	KFS	REVISED
DATE	2/06/12	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 132 (FERNDALE ST TO ESTES ST)
SIDEWALK DETAIL PLANS

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
541	(X-J-C)R-1	LAKE	56	24
		CONTRACT NO. 62B73		
	ILLINOIS FED. AID PROJECT			



KENNETH F. SLANINKA, Jr.
062-055488
LICENSED PROFESSIONAL ENGINEER
STATE OF ILLINOIS

signature

2/9/12
date

license expires 11-30-13

A	AERIAL UTILITY
	UNKNOWN
CTV	CABLE TV
T	TELEPHONE
	GAS
E	ELECTRIC
W	WATER
FO	FIBER OPTIC
	SEWER
	TBE TEST HOLE

UTILITY OWNERS

At&T = TELEPHONE
AT&T = FIBER OPTIC
COMCAST = FIBER OPTIC
COMED = ELECTRIC
GURNEE = WATER
PEOPLES = GAS
TDS METROCOM = FIBER OPTIC
QWEST = FIBER OPTIC

Utilities shown on these plans as depicted in the legend have been investigated by Cardno TBE in accordance with SUE Industry Standards. All other information shown has been provided to Cardno TBE by others. Cardno TBE's SUE field investigation was performed from 1/11/12 through 1/27/12. Changes to utilities after 1/27/12 may have been made and therefore may result in variances from this plan. Consideration should be given to updating this plan if deemed advisable prior to final design and construction.

ALL UTILITIES SHOWN QUALITY LEVEL "B" UNLESS NOTED OTHERWISE.

20 0 METERS 20 40
50 0 FEET 50 100

Cardno TBE
CIVIL ENGINEERING * TRANSPORTATION * ENVIRONMENTAL * PLANNING * UTILITY ENGINEERING/LOCATING

TBE Job No. IL09510468
SUE Plan Page: 2 of 4

Utility Quality Level "A" : Visually Verified Test Hole
Utility Quality Level "B" : Designating/Test Holes not Visually Verified
Utility Quality Level "C" : Research with Survey
Utility Quality Level "D" : Records Research

DESIGNED	LP	REVISED
DRAWN	KLC	REVISED
CHECKED	KFS	REVISED
DATE	2/06/12	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

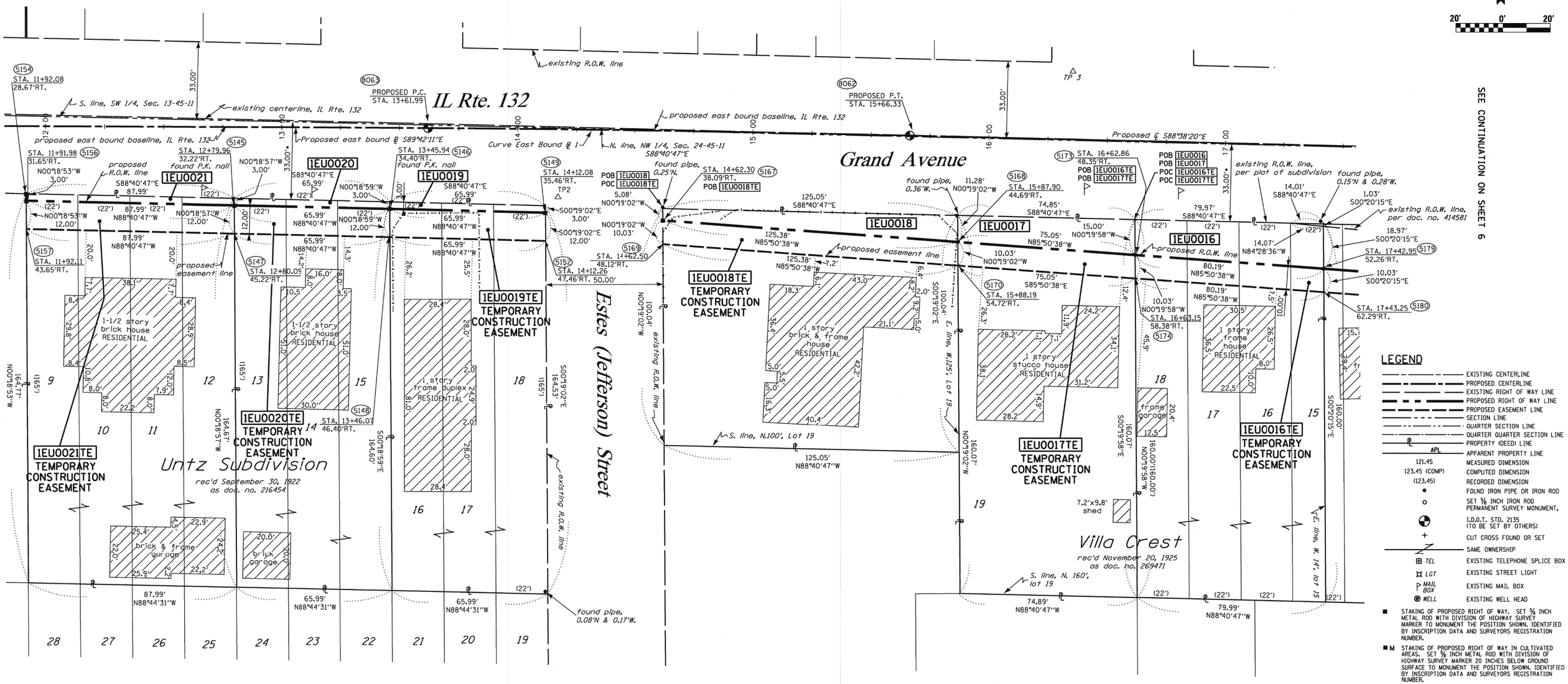
IL 132 (FERNDALE ST TO ESTES ST)
SIDEWALK DETAIL PLANS

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
541	(X-J-C)R-1	LAKE	56	25
		CONTRACT NO. 62B73		
	ILLINOIS FED. AID PROJECT			

PART OF THE NW 1/4 OF SECTION 24, T45N, R11 EAST OF THE 3rd PM, LAKE COUNTY, ILLINOIS

BEARINGS SHOWN HEREON ARE BASED ON SURVEY CONTROL DATA AS PROVIDED BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION.



* DENOTES DISTANCE TO 1/4 SECTION LINE

PARCEL NO.	OWNER	TOTAL HOLDING ACRES	R.O.W. REQUIRED ACRES	PREVIOUSLY DEDICATED ACRES	REMAINDER ACRES	EASEMENTS TEMP ACRES	EASEMENTS PERM ACRES	EASEMENT PURPOSE	PERMANENT TAX NUMBER	PROPERTY ACQUIRED BY
1EU0016	HEATHER NICHOLSON	0.294	0.031	0.0002 7 s.f.	0.263	0.018	N/A	CONSTR.	07-24-106-003	
1EU0017	CARMELO ROMEO F. DIAZ & CRISTINA M. DIAZ	0.275	0.023	N/A	0.252	0.017	N/A	CONSTR.	07-24-106-002	
1EU0018	KEITH R. LAWRENCE & MICHELLE R. LAWRENCE	0.287	0.024	N/A	0.263	0.029	N/A	CONSTR.	07-24-106-001	
1EU0019	JAMES P. COLUMBUS	0.249	0.005 198 s.f.	N/A	0.244	0.018	N/A	CONSTR.	07-24-105-004	
1EU0020	PAMELA J. CARLSON	0.249	0.005 198 s.f.	N/A	0.244	0.018	N/A	CONSTR.	07-24-105-003	
1EU0021	CHICAGO TITLE AND TRUST COMPANY TR. NO. 1064224	0.333	0.006 264 s.f.	N/A	0.327	0.024	N/A	CONSTR.	07-24-105-002	

CURVE EAST BOUND @ 1

Δ	1°03'52"
T	102.17'
R	11,000.00'
L	204.33'
E	0.47'
PC STA.	13+61.99
PI STA.	147+64.16
PT STA.	15+66.33

STATE OF ILLINOIS)
) SS
COUNTY OF WILL)

THIS IS TO CERTIFY THAT RUETTIGER, TONELLI & ASSOCIATES, INC., AN ILLINOIS DESIGN FIRM, HAS SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 24, TOWNSHIP 45 NORTH, RANGE 11 EAST OF THE THIRD PRINCIPAL MERIDIAN, LAKE COUNTY. THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT JOLIET, ILLINOIS THIS 13th DAY OF March A.D. 2007

RONALD F. HODGEN P.L.S. NO. 2630

RONALD F. HODGEN 2630 PROFESSIONAL LAND SURVEYOR STATE OF ILLINOIS JOLIET, ILLINOIS

SEE SHEETS 18 THROUGH 20 FOR MONUMENTATION REFERENCE TIES AND COORDINATES

REVISIONS: 3-13-07/REVISED OWNER, 0016
REVISIONS: 9-06-06/ REVISED OWNERS NAMES FOR PARCEL 0021
REVISIONS: 7-31-06/ REVISED OWNERS NAMES FOR PARCELS 0016 & 0018
REVISIONS: 7-12-06/ ADDED NOTES PER IDOT

LEGEND

- EXISTING CENTERLINE
- PROPOSED CENTERLINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- PROPOSED EASEMENT LINE
- SECTION LINE
- QUARTER SECTION LINE
- QUARTER QUARTER SECTION LINE
- PROPERTY (DEED) LINE
- APL APPARENT PROPERTY LINE
- 121.45 MEASURED DIMENSION
- 123.45 (COMP) COMPUTED DIMENSION
- (123.45) RECORDED DIMENSION
- FOUND IRON PIPE OR IRON ROD
- SET 5/8 INCH IRON ROD PERMANENT SURVEY MONUMENT.
- I.D.O.T. STD. 2135 (TO BE SET BY OTHERS)
- CUT CROSS FOUND OR SET
- SAME OWNERSHIP
- TEL EXISTING TELEPHONE SPLICE BOX
- LGT EXISTING STREET LIGHT
- MAIL BOX EXISTING MAIL BOX
- WELL EXISTING WELL HEAD

■ STAKING OF PROPOSED RIGHT OF WAY. SET 5/8 INCH METAL ROD WITH DIVISION OF HIGHWAY SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.

■ M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. SET 5/8 INCH METAL ROD WITH DIVISION OF HIGHWAY SURVEY MARKER 20 INCHES BELOW GROUND SURFACE TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.

SECTION CORNER — QUARTER SECTION CORNER

RUETTIGER, TONELLI & ASSOCIATES, INC.
Land Surveyors/Engineers/Planners/Landscape Architects/G.I.S. Consultants
2174 ONEIDA STREET JOLIET, ILLINOIS 60435 PH. (815) 744-6600 FAX (815) 744-0101
2630 SOUTH WASHINGTON STREET SUITE 170 NAPERVILLE, ILLINOIS 60565 PH. (630) 420-7740 FAX (630) 420-7741

ILLINOIS DEPARTMENT OF TRANSPORTATION
PLAT OF HIGHWAYS
FAP 346 US 41 @ IL 132

LAKE COUNTY
JOB NO. R-91-021-02
STATION 11+86.92 TO STATION 17+50.05

SHEET 7 OF 20

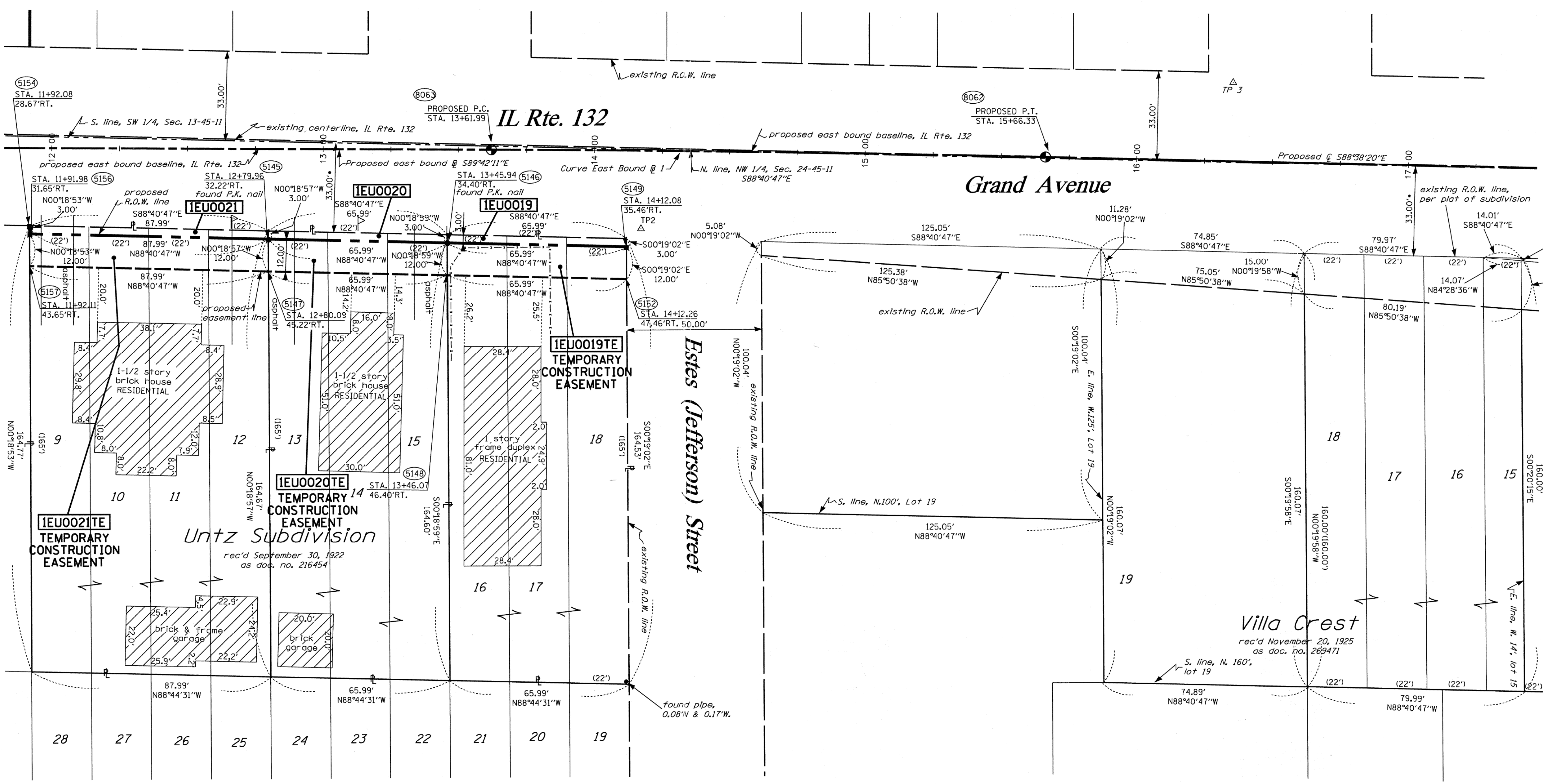
ILLINOIS DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS/DISTRICT 1
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

SHEET 26 OF 56

PART OF THE NW 1/4 OF SECTION 24, T45N, R11 EAST OF THE 3rd PM, LAKE COUNTY, ILLINOIS

BEARINGS SHOWN HEREON ARE BASED ON SURVEY CONTROL DATA AS PROVIDED BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION.

SEE CONTINUATION ON SHEET 8a



SEE CONTINUATION ON SHEET 6

LEGEND

- EXISTING CENTERLINE
- PROPOSED CENTERLINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- PROPOSED EASEMENT LINE
- SECTION LINE
- QUARTER SECTION LINE
- QUARTER QUARTER SECTION LINE
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- APL APPARENT PROPERTY LINE
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- 123.45 (COMP) COMPUTED DIMENSION
- (123.45) RECORDED DIMENSION
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- ○ SET 5/8 INCH IRON ROD PERMANENT SURVEY MONUMENT.
- I.D.O.T. STD. 2135 (TO BE SET BY OTHERS)
- + CUT CROSS FOUND OR SET
- SAME OWNERSHIP
- TEL EXISTING TELEPHONE SPLICE BOX
- LGT EXISTING STREET LIGHT
- MAIL BOX EXISTING MAIL BOX
- WELL EXISTING WELL HEAD
- ■ STAKING OF PROPOSED RIGHT OF WAY. SET 5/8 INCH METAL ROD WITH DIVISION OF HIGHWAY SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- ■M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. SET 5/8 INCH METAL ROD WITH DIVISION OF HIGHWAY SURVEY MARKER 20 INCHES BELOW GROUND SURFACE TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.

SECTION CORNER — T45N R11E 3RD P.M. 2 1 11 12

QUARTER SECTION CORNER — T45N R11E 3RD P.M. 27 26

• DENOTES DISTANCE TO 1/4 SECTION LINE

PARCEL NO.	OWNER	TOTAL HOLDING	R.O.W. REQUIRED	PREVIOUSLY DEDICATED	REMAINDER	EASEMENTS		EASEMENT PURPOSE	PERMANENT TAX NUMBER	PROPERTY ACQUIRED BY
						TEMP	PERM			
		ACRES	ACRES	ACRES	ACRES	ACRES	ACRES			
1EU0019	3-M BRIGHTON, LLC	0.249	0.005 198 s.f.	N/A	0.244	0.018	N/A	CONSTR.	07-24-105-004	
1EU0020	PAMELA J. CARLSON	0.249	0.005 198 s.f.	N/A	0.244	0.018	N/A	CONSTR.	07-24-105-003	
1EU0021	CHICAGO TITLE AND TRUST COMPANY TR. NO. 1064224	0.333	0.006 264 s.f.	N/A	0.327	0.024	N/A	CONSTR.	07-24-105-002	

CURVE EAST BOUND ℄ 1

Δ	1°03'52"
T	102.17'
R	11,000.00'
L	204.33'
E	0.47'
PC STA.	13+61.99
PI STA.	147+64.16
PT STA.	15+66.33

NOTE:

THIS PLAT WAS PREPARED AS A SUPPLEMENTAL SHEET TO SHEET 7 OF PLAT OF HIGHWAYS PREPARED BY RUETTIGER, TONELLI & ASSOC. HAVING A REVISION DATE OF 3/13/2007. SUPPLEMENTAL INFORMATION ON THIS SHEET INCLUDES:

UPDATING PARCEL 1EU0021

UPDATING PARCEL 1EU0020

UPDATING PARCEL 1EU0019

SEE RUETTIGER, TONELLI & ASSOC. PLAT FOR OTHER INFORMATION.

STATE OF ILLINOIS)
) SS
COUNTY OF WILL)

THIS IS TO CERTIFY THAT RUETTIGER, TONELLI & ASSOCIATES, INC., AN ILLINOIS DESIGN FIRM, HAS SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 24, TOWNSHIP 45 NORTH, RANGE 11 EAST OF THE THIRD PRINCIPAL MERIDIAN, LAKE COUNTY. THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT JOLIET, ILLINOIS THIS____ DAY OF________, ______ A.D.

____
RONALD F. HODGEN P.L.S. NO. 2630

SEE SHEETS 18 THROUGH 20 FOR MONUMENTATION REFERENCE TIES AND COORDINATES

RECEIVED
JUN 17 2010
PLATS & LEGALS

RUETTIGER, TONELLI & ASSOCIATES, INC.
Land Surveyors/Engineers/Planners/Landscape Architects/G.I.S. Consultants
2174 ONEIDA STREET
JOLIET, ILLINOIS 60435
PH. (815) 744-6600 FAX (815) 744-0101

ILLINOIS DEPARTMENT OF TRANSPORTATION

PLAT OF HIGHWAYS

FAP 346 US 41 @ IL 132

LAKE COUNTY
JOB NO. R-91-021-02
STATION 11+86.92 TO STATION 17+50.05

ILLINOIS DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS/DISTRICT 1
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

PART OF THE SW 1/4 OF SECTION 13, T45N, R11 EAST OF THE 3rd PM, LAKE COUNTY, ILLINOIS

BEARINGS SHOWN HEREON ARE BASED ON SURVEY CONTROL DATA AS PROVIDED BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION.

STATE OF ILLINOIS)
) SS
COUNTY OF WILL)

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DATED AT JOLIET, ILLINOIS THIS 21st DAY OF August 2006 A.D.

RONALD F. HODGEN P.L.S. NO. 2630

RONALD F. HODGEN 2630 PROFESSIONAL LAND SURVEYOR STATE OF ILLINOIS JOLIET, ILLINOIS

LEGEND

- EXISTING CENTERLINE
- PROPOSED CENTERLINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- PROPOSED EASEMENT LINE
- SECTION LINE
- QUARTER SECTION LINE
- QUARTER QUARTER SECTION LINE
- PROPERTY (DEED) LINE
- APL — APPARENT PROPERTY LINE
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- 123.45 (COMP) — COMPUTED DIMENSION
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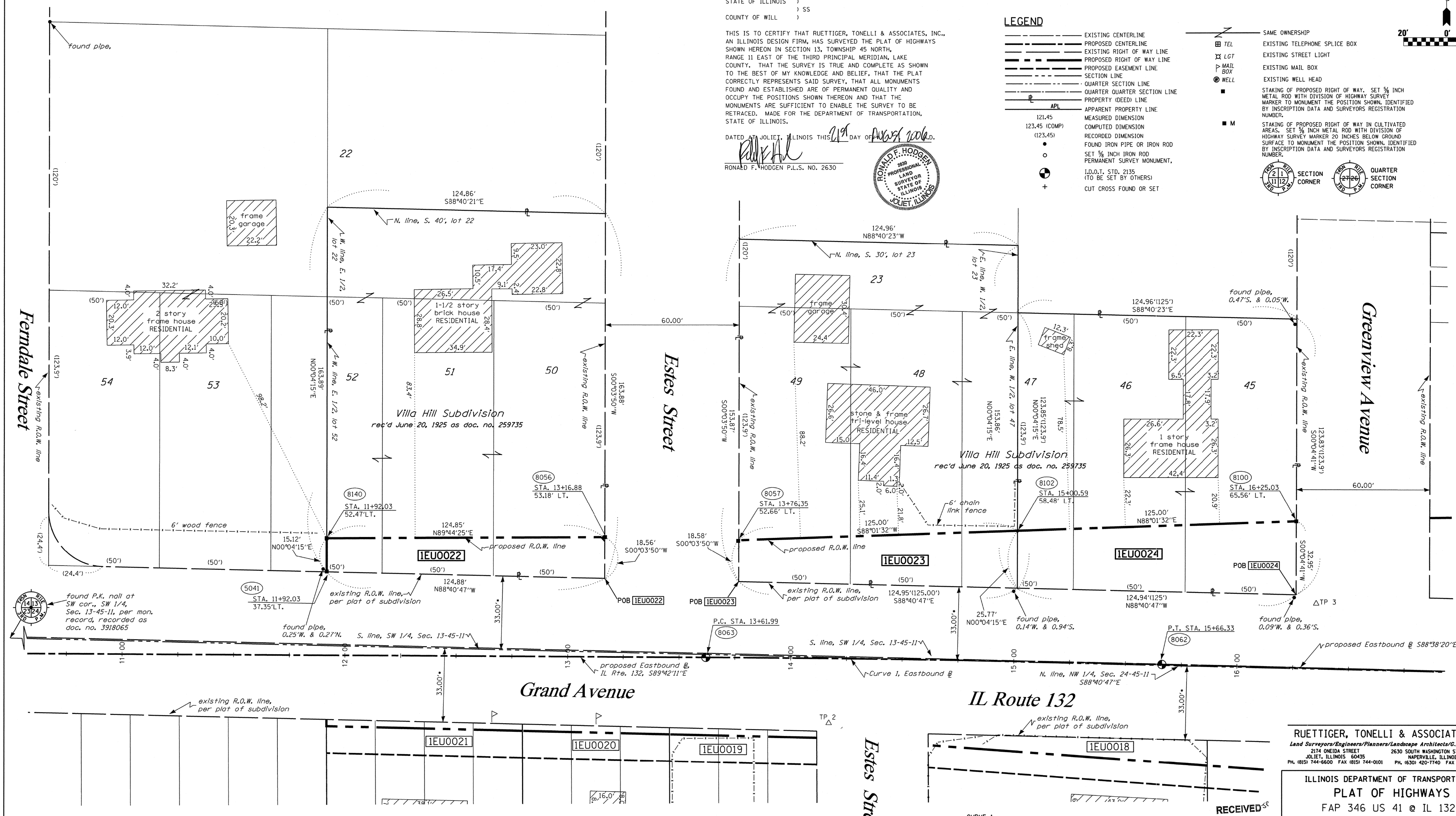
- SECTION CORNER
- QUARTER SECTION CORNER



SEE CONTINUATION ON SHEET 7

PARCEL NO.	OWNER	TOTAL HOLDING	R.O.W. REQUIRED	PREVIOUSLY DEDICATED	REMAINDER	EASEMENTS TEMP	EASEMENTS PERM	EASEMENT PURPOSE	PERMANENT TAX NUMBER	PROPERTY ACQUIRED BY
		ACRES	ACRES	ACRES	ACRES	ACRES	ACRES			
1EU0022	JEFFREY & CYNTHIA CREEL AND JERILYN PRYBELL	0.470	0.048	N/A	0.422	N/A	N/A	N/A	07-13-318-010	
1EU0023	MARCIA S. BLAIN, AS TRUSTEE TRUST NO. 3160	0.441	0.064	N/A	0.377	N/A	N/A	N/A	07-13-319-017	
1EU0024	BRIAN R. & NANCY E. HENDRICKSON	0.355	0.084	N/A	0.271	N/A	N/A	N/A	07-13-319-013	

• DENOTES DISTANCE TO 1/4 SECTION LINE

CURVE 1
P.I. STA= 14+64.16
Δ= 01°03'52"
D= 00°31'15"
R= 11000.00'
T= 102.17'
L= 204.33'
E= 0.475'
P.C. STA= 13+61.99
P.T. STA= 15+66.33

RECEIVED AUG 21 2006 PLATS & LEGALS

SEE SHEETS 18 THROUGH 20 FOR MONUMENTATION REFERENCE TIES AND COORDINATES

REVISIONS:
8-06-06/REVISED POINT NUMBER 1EU0022
7-31-06/ CHANGED OWNER 1EU0023
7-25-06/ CHANGED PARCEL 1EU0022
7-12-06/ ADDED FENCE & HOUSE PER IDOT

RUETTIGER, TONELLI & ASSOCIATES, INC.
Land Surveyors/Engineers/Planners/Landscape Architects/G.I.S. Consultants
2174 ONEIDA STREET, JOLIET, ILLINOIS 60435, PH. (815) 744-6600 FAX (815) 744-0101
2630 SOUTH WASHINGTON STREET SUITE 170, NAPERVILLE, ILLINOIS 60565, PH. (630) 420-7740 FAX (630) 420-7741

ILLINOIS DEPARTMENT OF TRANSPORTATION
PLAT OF HIGHWAYS
FAP 346 US 41 @ IL 132

LAKE COUNTY
JOB NO. R-91-021-02
STATION 11+86.94 TO STATION 16+50

ILLINOIS DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS/DISTRICT 1
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

PART OF THE SW 1/4 OF SECTION 13, T45N, R11 EAST OF THE 3rd PM, LAKE COUNTY, ILLINOIS

BEARINGS SHOWN HEREON ARE BASED ON SURVEY CONTROL DATA AS PROVIDED BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION.

STATE OF ILLINOIS)
) SS
COUNTY OF WILL)

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DATED AT JOLIET, ILLINOIS THIS ____ DAY OF ________, ____ A.D.

RONALD F. HODGEN P.L.S. NO. 2630

LEGEND

- EXISTING CENTERLINE
- PROPOSED CENTERLINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
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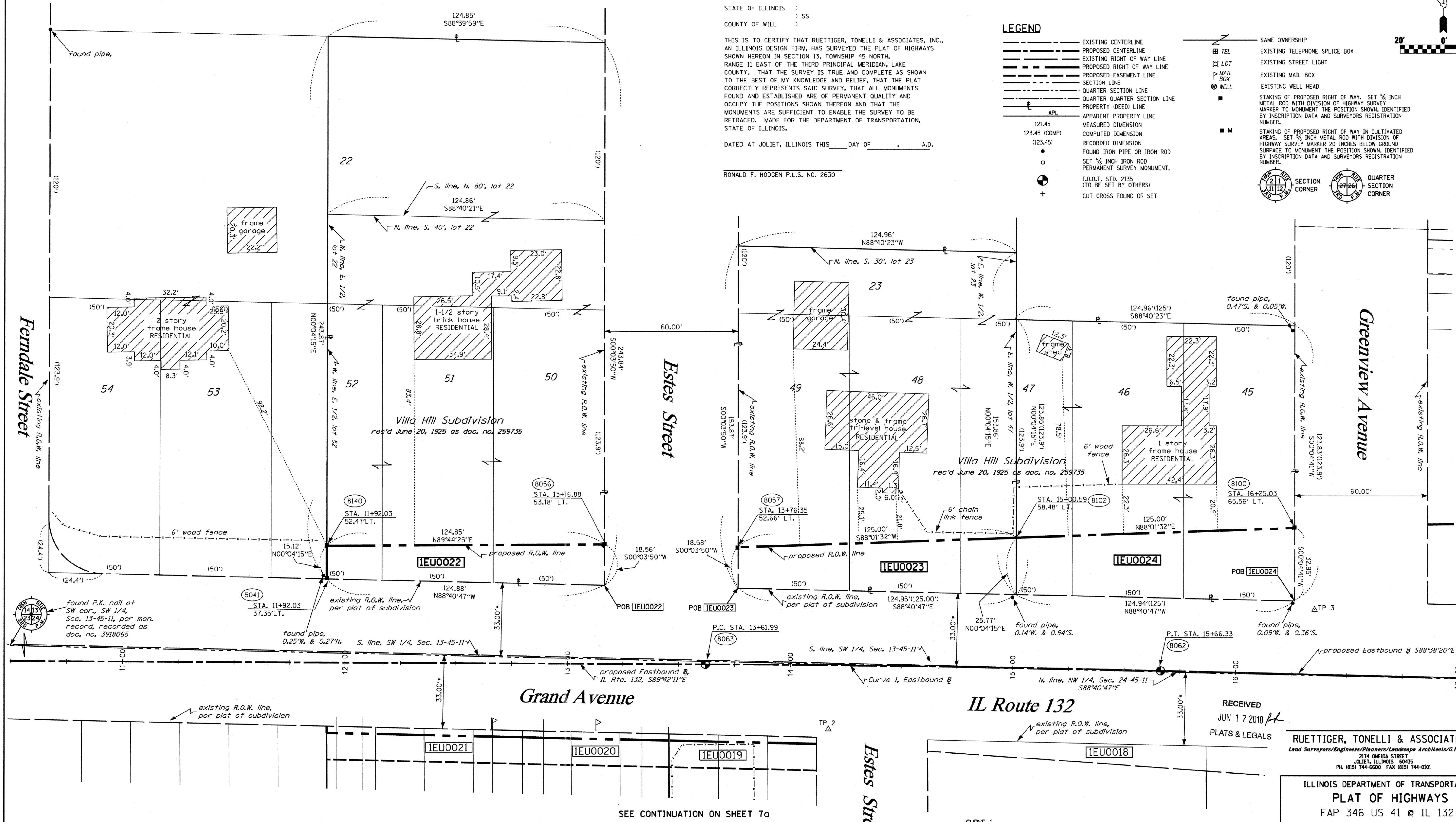
- T45N R11E 3RD P.M. 2 1 11 12 — SECTION CORNER
- T45N R11E 3RD P.M. 27 26 — QUARTER SECTION CORNER



N
20' 0' 20'
found pipe.
124.85'
S88°39'59"E
22
S. line, N. 80', lot 22
124.86'
S88°40'21"E
N. line, S. 40', lot 22
frame garage
2 story frame house RESIDENTIAL
1-1/2 story brick house RESIDENTIAL
Ferndale Street
Estes Street
Greenview Avenue
54
53
52
51
50
Villa Hill Subdivision
rec'd June 20, 1925 as doc. no. 259735
6' wood fence
proposed R.O.W. line
existing R.O.W. line
1EU0022
1EU0023
1EU0024
POB 1EU0022
POB 1EU0023
POB 1EU0024
60.00'
23
49
48
47
46
45
N. line, S. 30', lot 23
124.96'
N88°40'23"W
frame garage
frame shed
stone & frame tri-level house RESIDENTIAL
1 story frame house RESIDENTIAL
6' chain link fence
124.96'(125')
S88°40'23"E
found pipe, 0.47'S. & 0.05'W.
STA. 11+92.03 52.47'LT.
STA. 11+92.03 37.35'LT.
STA. 13+16.88 53.18' LT.
STA. 13+76.35 52.66' LT.
STA. 15+00.59 58.48' LT.
STA. 16+25.03 65.56' LT.
124.85'
N89°44'25"E
124.88'
N88°40'47"W
125.00'
S88°01'32"W
124.95'(125.00')
S88°40'47"E
125.00'
N88°01'32"E
124.94'(125')
N88°40'47"W
found P.K. nail at SW cor., SW 1/4, Sec. 13-45-11, per mon. record, recorded as doc. no. 3918065
existing R.O.W. line, per plat of subdivision
found pipe, 0.25'W. & 0.27'N.
found pipe, 0.14'W. & 0.94'S.
found pipe, 0.09'W. & 0.36'S.
S. line, SW 1/4, Sec. 13-45-11
P.C. STA. 13+61.99
P.T. STA. 15+66.33
proposed Eastbound ℄ S88°38'20"E
proposed Eastbound ℄, IL Rte. 132, S89°42'11"E
Curve 1, Eastbound ℄
N. line, NW 1/4, Sec. 24-45-11 S88°40'47"E
Grand Avenue
IL Route 132
33.00'
TP 2
TP 3
1EU0021
1EU0020
1EU0019
1EU0018
SEE CONTINUATION ON SHEET 9a

SEE CONTINUATION ON SHEET 7a

RECEIVED
JUN 1 7 2010
PLATS & LEGALS

PARCEL NO.	OWNER	TOTAL HOLDING	R.O.W. REQUIRED	PREVIOUSLY DEDICATED	REMAINDER	EASEMENTS TEMP	EASEMENTS PERM	EASEMENT PURPOSE	PERMANENT TAX NUMBER	PROPERTY ACQUIRED BY
		ACRES	ACRES	ACRES	ACRES	ACRES	ACRES			
1EU0022	PATRICK HARRISON AND PATRICIA A. MOLEY HARRISON	0.699	0.048	N/A	0.651	N/A	N/A	N/A	07-13-318-010 07-13-318-009	
1EU0023	MARCIA S. BLAIN, AS TRUSTEE TRUST NO. 3160	0.441	0.064	N/A	0.377	N/A	N/A	N/A	07-13-319-017	
1EU0024	BRIAN R. & NANCY E. HENDRICKSON	0.355	0.084	N/A	0.271	N/A	N/A	N/A	07-13-319-013	

• DENOTES DISTANCE TO 1/4 SECTION LINE

NOTE:

THIS PLAT WAS PREPARED AS A SUPPLEMENTAL SHEET TO SHEET 8 OF PLAT OF HIGHWAYS PREPARED BY RUETTIGER, TONELLI & ASSOC. HAVING A REVISION DATE OF 8/6/2006. SUPPLEMENTAL INFORMATION ON THIS SHEET INCLUDES:

UPDATING PARCEL 1EU0022

UPDATING PARCEL 1EU0023

UPDATING PARCEL 1EU0024

SEE RUETTIGER, TONELLI & ASSOC. PLAT FOR OTHER INFORMATION.

CURVE 1
P.I. STA= 14+64.16
Δ= 01°03'52"
D= 00°31'15"
R= 11000.00'
T= 102.17'
L= 204.33'
E= 0.475'
P.C. STA= 13+61.99
P.T. STA= 15+66.33

SEE SHEETS 18 THROUGH 20 FOR MONUMENTATION REFERENCE TIES AND COORDINATES

RUETTIGER, TONELLI & ASSOCIATES, INC.
Land Surveyors/Engineers/Planners/Landscape Architects/G.I.S. Consultants
2174 ONEIDA STREET
JOLIET, ILLINOIS 60435
PH. (815) 744-6600 FAX (815) 744-0101

ILLINOIS DEPARTMENT OF TRANSPORTATION

PLAT OF HIGHWAYS

FAP 346 US 41 @ IL 132

LAKE COUNTY
JOB NO. R-91-021-02
STATION 11+86.94 TO STATION 16+50

SHEET 8a OF 20

ILLINOIS DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS/DISTRICT 1
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

PART OF THE SW.1/4 OF SECTION 13, TWP.45N., R.11E. OF THE 3RD. P.M., IN LAKE COUNTY, ILLINOIS.

STATE OF ILLINOIS)
)SS
COUNTY OF WILL)

THIS IS TO CERTIFY THAT I, RONALD F. HODGEN, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, (WE, RUETTIGER, TONELLI & ASSOCIATES, AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 89,) HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 13, TOWNSHIP 45 NORTH, RANGE 11 EAST OF THE THIRD PRINCIPAL MERIDIAN, LAKE COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT_____, ILLINOIS THIS____DAY OF_____20___A.D.

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 2630
LICENSE EXPIRATION DATE: 11-30-2012

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

BEARINGS SHOWN HEREON ARE BASED ON SURVEY CONTROL DATA AS PROVIDED BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION.

LEGEND

- EXISTING CENTERLINE
- PROPOSED CENTERLINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- PROPOSED EASEMENT LINE
- SECTION LINE
- QUARTER SECTION LINE
- QUARTER QUARTER SECTION LINE
- PROPERTY (DEED) LINE
- APPARENT PROPERTY LINE
- 121.45 MEASURED DIMENSION
- 123.45 (COMP) COMPUTED DIMENSION
- (123.45) RECORDED DIMENSION
- FOUND IRON PIPE OR IRON ROD
- SET ⅝ INCH IRON ROD PERMANENT SURVEY MONUMENT.
- I.D.O.T. STD. 2135 (TO BE SET BY OTHERS)
- CUT CROSS FOUND OR SET
- SAME OWNERSHIP
- TEL EXISTING TELEPHONE SPLICE BOX
- LGT EXISTING STREET LIGHT
- MAIL BOX EXISTING MAIL BOX
- WELL EXISTING WELL HEAD

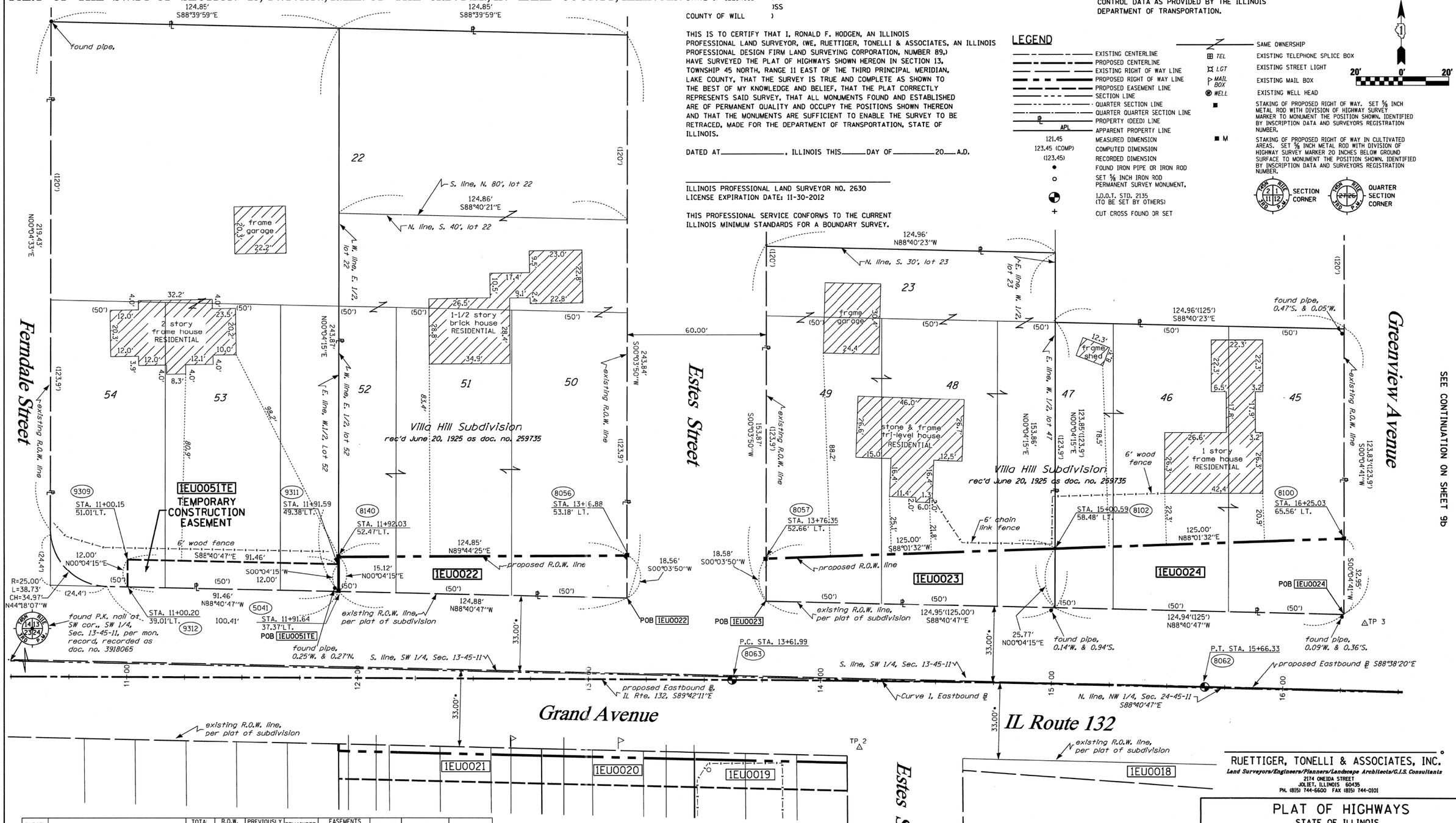
STAKING OF PROPOSED RIGHT OF WAY. SET ⅝ INCH METAL ROD WITH DIVISION OF HIGHWAY SURVEY MARKER TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.

STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. SET ⅝ INCH METAL ROD WITH DIVISION OF HIGHWAY SURVEY MARKER 20 INCHES BELOW GROUND SURFACE TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.

SECTION CORNER — QUARTER SECTION CORNER

N

20' 0' 20'



PARCEL NO.	OWNER	TOTAL HOLDING ACRES	R.O.W. REQUIRED ACRES	PREVIOUSLY DEDICATED ACRES	REMAINDER ACRES	EASEMENTS TEMP ACRES	EASEMENTS PERM ACRES	EASEMENT PURPOSE	PERMANENT TAX NUMBER	PROPERTY ACQUIRED BY
1EU0022	PATRICK HARRISON AND PATRICIA A. MOLEY HARRISON	0.699	0.048	N/A	0.651	N/A	N/A	N/A	07-13-318-010 07-13-318-009	
1EU0023	MARCIA S. BLAIN, AS TRUSTEE TRUST NO. 3160	0.441	0.064	N/A	0.377	N/A	N/A	N/A	07-13-319-017	
1EU0024	BRIAN R. & NANCY E. HENDRICKSON	0.355	0.084	N/A	0.271	N/A	N/A	N/A	07-13-319-013	
1EU0051	SANDRA J. CREEL	0.696	N/A	N/A	0.696	0.025 1098s.f.	N/A	N/A	07-13-318-004	

• DENOTES DISTANCE TO 1/4 SECTION LINE

SEE CONTINUATION ON SHEET 7b

NOTE:

THIS PLAT WAS PREPARED AS A SUPPLEMENTAL SHEET TO SHEET 8 OF PLAT OF HIGHWAYS PREPARED BY RUETTIGER, TONELLI & ASSOC. HAVING A REVISION DATE OF 8/6/2006. SUPPLEMENTAL INFORMATION ON THIS SHEET INCLUDES:

UPDATING PARCEL 1EU0022

UPDATING PARCEL 1EU0023

UPDATING PARCEL 1EU0024

SEE RUETTIGER, TONELLI & ASSOC. PLAT FOR OTHER INFORMATION.

REVISION DATE: REVISION MADE BY

CURVE 1
P.I. STA= 14+64.16
Δ= 01°03'52"
D= 00°31'15"
R= 11000.00'
T= 102.17'
L= 204.33'
E= 0.47'
P.C. STA= 13+61.99
P.T. STA= 15+66.33

SEE SHEETS 18 THROUGH 20 FOR MONUMENTATION REFERENCE TIES AND COORDINATES

RECEIVED
OCT 14 2011
PLATS & LEGALS

RUETTIGER, TONELLI & ASSOCIATES, INC.
Land Surveyors/Engineers/Planners/Landscape Architects/G.I.S. Consultants
2174 ONEIDA STREET
JOLIET, ILLINOIS 60435
PH. (815) 744-6600 FAX (815) 744-0101

PLAT OF HIGHWAYS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
FAP 346 US 41 & IL 132

LIMITS: COUNTY: LAKE
PROJECT JOB NO.: R91-021-02
STATION 11+86.94 TO STATION 16+50
SCALE: 1"=20' SHEET 8b OF 20

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

PART OF THE NE 1/4 OF SECTION 24, T45N, R11 EAST, OF THE 3rd PM, LAKE COUNTY, ILLINOIS

SEE CONTINUATION ON SHEET 16

BEARINGS SHOWN HEREON ARE BASED ON SURVEY CONTROL DATA AS PROVIDED BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION.

N

20' 0' 20'

Grand Avenue

IL Route 132

Waveland Avenue

Vacated

Magnolia Ave.

existing R.O.W. line, per doc. no. 446303

existing R.O.W. line

S. line, SE 1/4, Sec. 13-45-11 S88°33'03"E

N. line, NE 1/4, Sec. 24-45-11

Proposed east bound baseline, Curve 2

Proposed east bound baseline, Curve 3

Proposed east bound baseline, IL Rte. 132

Proposed east bound baseline = S88°42'55"E

805 PROPOSED P.R.C. STA. 29+76.19

806 PROPOSED P.T. STA. 31+77.21

5323 STA. 28+63.35 38.40' RT. POB 1EU0030TE

5325 STA. 29+99.83 36.33'RT. POB 1EU0033TE

5324 STA. 31+35.50 34.84'RT.

5326 STA. 31+35.89 49.84'RT.

5313 STA. 28+63.76 53.83'RT.

5314 STA. 30+00.43 51.32'RT.

TP 4

S88°23'44"E 136.19'

S88°23'44"E 332.28'

S88°42'55"E 136.16'

N00°01'42"W 15.00'

N00°00'52"E 15.00'

S00°03'26"W 15.00'

address sign

12.0'x1.2' metal sign

8.3'

5.6'

6' wide sign with conc. filled posts

proposed easement line

existing R.O.W. line per doc. no. 446304

(136.47')

136.15' N88°42'55"W

1EU0030TE TEMPORARY CONSTRUCTION EASEMENT

1EU0033TE TEMPORARY CONSTRUCTION EASEMENT

60.00'

40.00'

1 story stucco building COMMERCIAL

1 story brick & concrete block building COMMERCIAL

211.0'

232.92'

596.19' S00°00'52"W

597.00' N00°01'42"W

(596.64')

(596.63')

292.4'

S00°01'05"E 230.97'

S. line, N. 200', Lot 2

N. line, S. 30', N. 230', Lot 1

S. line, N.230', Lot 1

N. line, S. 30', N. 230', Lot 2

S. line, N.230', Lot 2

Block 2

Block 6

Block 5

Frederick H. Bartlett's North Shore Garden's rec'd Sept. 3, 1924 as doc. no. 245209

9.1'x8.1' shed

(136.40')

135.72' N88°43'57"W

332.36' N88°43'57"W

existing R.O.W. line

LEGEND

- EXISTING CENTERLINE
- PROPOSED CENTERLINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- PROPOSED EASEMENT LINE
- SECTION LINE
- QUARTER SECTION LINE
- QUARTER QUARTER SECTION LINE
- PROPERTY (DEED) LINE
- APPARENT PROPERTY LINE
- 121.45 MEASURED DIMENSION
- 123.45 (COMP) COMPUTED DIMENSION
- (123.45) RECORDED DIMENSION
- FOUND IRON PIPE OR IRON ROD
- SET 5/8 INCH IRON ROD PERMANENT SURVEY MONUMENT.
- I.D.O.T. STD. 2135 (TO BE SET BY OTHERS)
- CUT CROSS FOUND OR SET
- SAME OWNERSHIP
- TEL EXISTING TELEPHONE SPLICE BOX
- LGT EXISTING STREET LIGHT
- MAIL BOX EXISTING MAIL BOX
- WELL EXISTING WELL HEAD
- ■ STAKING OF PROPOSED RIGHT OF WAY. SET 5/8 INCH METAL ROD WITH DIVISION OF HIGHWAY SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- ■M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. SET 5/8 INCH METAL ROD WITH DIVISION OF HIGHWAY SURVEY MARKER 20 INCHES BELOW GROUND SURFACE TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.

SECTION CORNER

QUARTER SECTION CORNER

PARCEL NO.	OWNER	TOTAL HOLDING ACRES	R.O.W. REQUIRED ACRES	PREVIOUSLY DEDICATED ACRES	REMAINDER ACRES	EASEMENTS TEMP ACRES	EASEMENTS PERM ACRES	EASEMENT PURPOSE	PERMANENT TAX NUMBER	PROPERTY ACQUIRED BY
1EU0030	BREMS REALTY L.L.C.	1.861	N/A	N/A	1.861	0.047	N/A	CONSTR.	07-24-202-005	
1EU0033	NORSTATES BANK, AS TRUSTEE TRUST NO. 204060	1.769	N/A	N/A	1.769	0.047	N/A	CONSTR.	07-24-202-015	

PROPOSED EAST BOUND BASELINE CURVE 2-ROUTE 132
P.I. STA= 28+82.34
Δ= 01°04'32"
R= 10000.00'
T= 93.86'
L= 187.71'
e= 0.44'
CH= 187.70'
CB= S88°06'04"E
P.C. STA= 27+88.48
P.T. STA= 29+76.19

PROPOSED EAST BOUND BASELINE CURVE 3-ROUTE 132
P.I. STA= 30+76.71
Δ= 01°09'06"
R= 10000.00'
T= 100.52'
L= 201.02'
e= 0.51'
CH= 201.02'
CB= S88°08'21"E
P.C. STA= 29+76.19
P.T. STA= 31+77.21

RONALD F. HODGEN 2630 PROFESSIONAL LAND SURVEYOR STATE OF ILLINOIS JOLIET, ILLINOIS

RECEIVED
AUG 21 2006
PLATS & LEGALS

• DENOTES DISTANCE TO THE EXISTING CENTERLINE OF IL ROUTE 132

SEE SHEETS 18 THROUGH 20 FOR MONUMENTATION REFERENCE TIES AND COORDINATES

REVISIONS: 7-31-06/ REVISED OWNER FOR PARCEL 0033 & 0030
REVISIONS: 7-12-06/ ADDED SIGNS PER IDOT

STATE OF ILLINOIS)
) SS
COUNTY OF WILL)

THIS IS TO CERTIFY THAT RUETTIGER, TONELLI & ASSOCIATES, INC., AN ILLINOIS DESIGN FIRM, HAS SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 24, TOWNSHIP 45 NORTH, RANGE 11 EAST OF THE THIRD PRINCIPAL MERIDIAN, LAKE COUNTY. THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT JOLIET, ILLINOIS THIS 21st DAY OF AUGUST 2006.

RONALD F. HODGEN P.L.S. NO. 2630

RUETTIGER, TONELLI & ASSOCIATES, INC.
Land Surveyors/Engineers/Planners/Landscape Architects/G.I.S. Consultants
2174 ONEIDA STREET JOLIET, ILLINOIS 60435 PH. (815) 744-6600 FAX (815) 744-0101
2630 SOUTH WASHINGTON STREET SUITE 170 NAPERVILLE, ILLINOIS 60565 PH. (630) 420-7740 FAX (630) 420-7741

ILLINOIS DEPARTMENT OF TRANSPORTATION
PLAT OF HIGHWAYS
FAP 346 US 41 @ IL 132
LAKE COUNTY
JOB NO. R-91-021-02
STATION 28+00 TO STATION 33+50

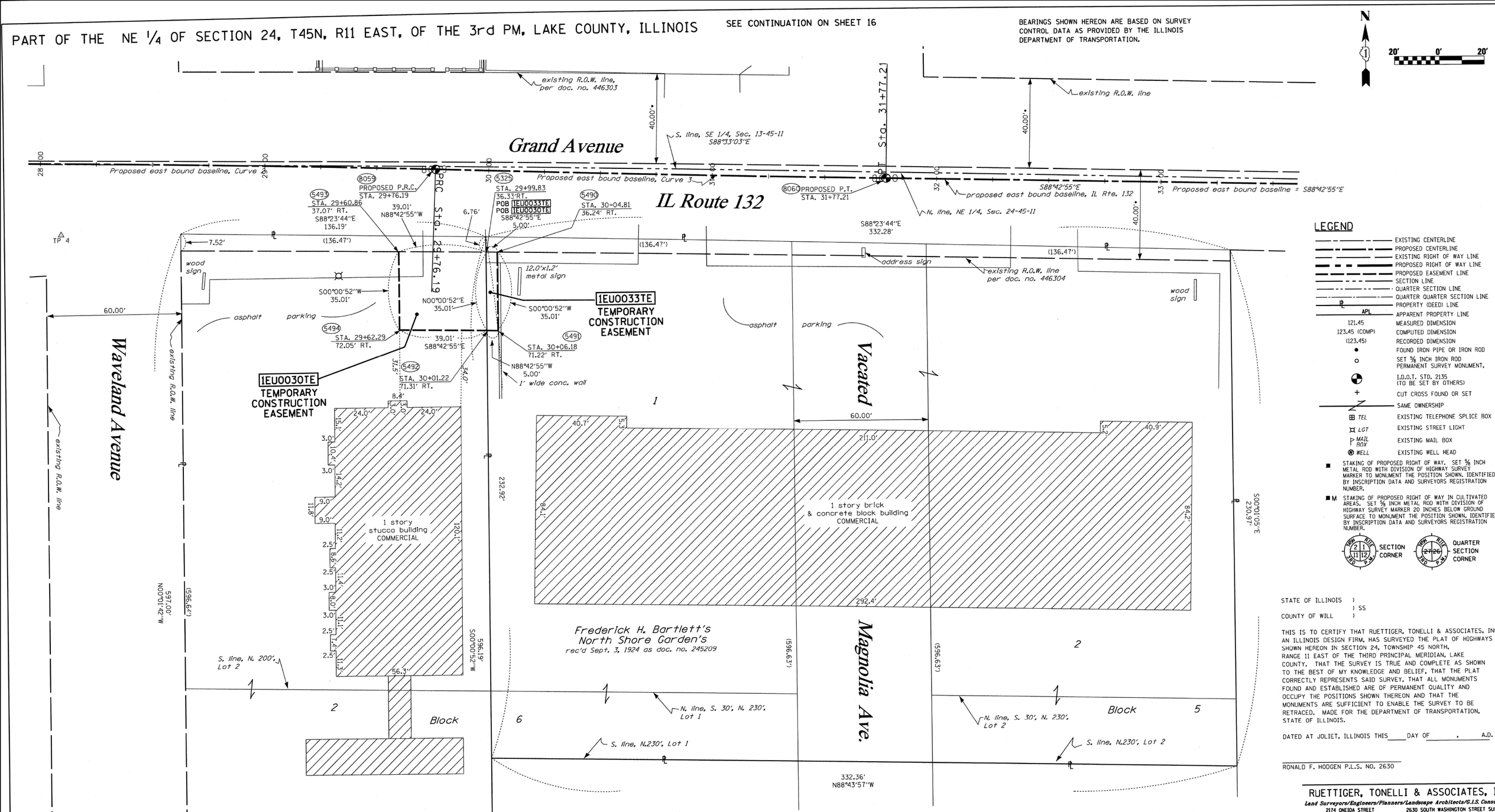
SHEET 17 OF 20

ILLINOIS DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS/DISTRICT 1
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

PART OF THE NE 1/4 OF SECTION 24, T45N, R11 EAST, OF THE 3rd PM, LAKE COUNTY, ILLINOIS

SEE CONTINUATION ON SHEET 16

BEARINGS SHOWN HEREON ARE BASED ON SURVEY CONTROL DATA AS PROVIDED BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION.



LEGEND

- EXISTING CENTERLINE
- PROPOSED CENTERLINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- PROPOSED EASEMENT LINE
- SECTION LINE
- QUARTER SECTION LINE
- QUARTER QUARTER SECTION LINE
- PROPERTY (DEED) LINE
- APL — APPARENT PROPERTY LINE
- 121.45 — MEASURED DIMENSION
- 123.45 (COMP) — COMPUTED DIMENSION
- (123.45) — RECORDED DIMENSION
- ● FOUND IRON PIPE OR IRON ROD
- ○ SET 5/8 INCH IRON ROD PERMANENT SURVEY MONUMENT,
- I.D.O.T. STD. 2135 (TO BE SET BY OTHERS)
- \+ CUT CROSS FOUND OR SET
- SAME OWNERSHIP
- TEL — EXISTING TELEPHONE SPLICE BOX
- LGT — EXISTING STREET LIGHT
- MAIL BOX — EXISTING MAIL BOX
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- ■M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. SET 5/8 INCH METAL ROD WITH DIVISION OF HIGHWAY SURVEY MARKER 20 INCHES BELOW GROUND SURFACE TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.

SECTION CORNER — QUARTER SECTION CORNER

PARCEL NO.	OWNER	TOTAL HOLDING ACRES	R.O.W. REQUIRED ACRES	PREVIOUSLY DEDICATED ACRES	REMAINDER ACRES	EASEMENTS TEMP ACRES	EASEMENTS PERM ACRES	EASEMENT PURPOSE	PERMANENT TAX NUMBER	PROPERTY ACQUIRED BY
1EU0030	BREMS REALTY L.L.C.	1.861	N/A	N/A	1.861	0.031	N/A	CONSTR.	07-24-202-005 07-24-202-017	
1EU0033	CHICAGO TITLE LAND TRUST CO., AS SUCCESSOR TO NORSTATES BANK, AS TRUSTEE; TRUST NO. 204060	1.769	N/A	N/A	1.769	0.004 175 S.F.	N/A	CONSTR.	07-24-202-015 07-24-202-016	

PROPOSED EAST BOUND BASELINE CURVE 2-ROUTE 132
P.I. STA= 28+82.34
Δ= 01°04'32"
R= 10000.00'
T= 93.86'
L= 187.71'
e= 0.44'
CH= 187.70'
CB= S88°06'04"E
P.C. STA= 27+88.48
P.T. STA= 29+76.19

PROPOSED EAST BOUND BASELINE CURVE 3-ROUTE 132
P.I. STA= 30+76.71
Δ= 01°09'06"
R= 10000.00'
T= 100.52'
L= 201.02'
e= 0.51'
CH= 201.02'
CB= S88°08'21"E
P.C. STA= 29+76.19
P.T. STA= 31+77.21

• DENOTES DISTANCE TO THE EXISTING CENTERLINE OF IL ROUTE 132

SEE SHEETS 18 THROUGH 20 FOR MONUMENTATION REFERENCE TIES AND COORDINATES

STATE OF ILLINOIS)
) SS
COUNTY OF WILL)

THIS IS TO CERTIFY THAT RUETTIGER, TONELLI & ASSOCIATES, INC., AN ILLINOIS DESIGN FIRM, HAS SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 24, TOWNSHIP 45 NORTH, RANGE 11 EAST OF THE THIRD PRINCIPAL MERIDIAN, LAKE COUNTY. THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF. THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY. THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT JOLIET, ILLINOIS THIS ____ DAY OF _____, A.D.

RONALD F. HODGEN P.L.S. NO. 2630

RUETTIGER, TONELLI & ASSOCIATES, INC.
Land Surveyors/Engineers/Planners/Landscape Architects/G.I.S. Consultants
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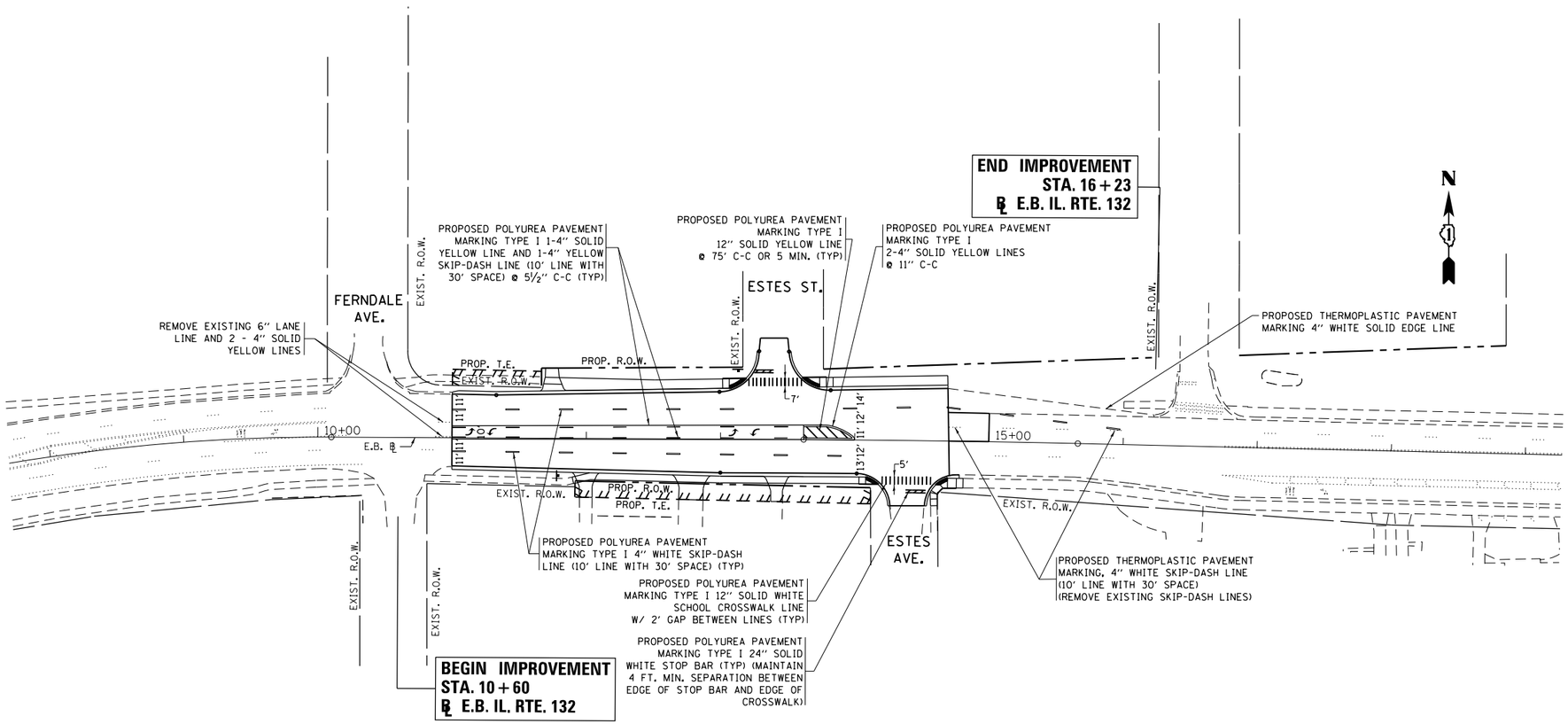
ILLINOIS DEPARTMENT OF TRANSPORTATION
PLAT OF HIGHWAYS
FAP 346 US 41 @ IL 132

LAKE COUNTY
JOB NO. R-91-021-02
STATION 28+00 TO STATION 33+50

SHEET 17-A OF 20

ILLINOIS DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS/DISTRICT 1
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196



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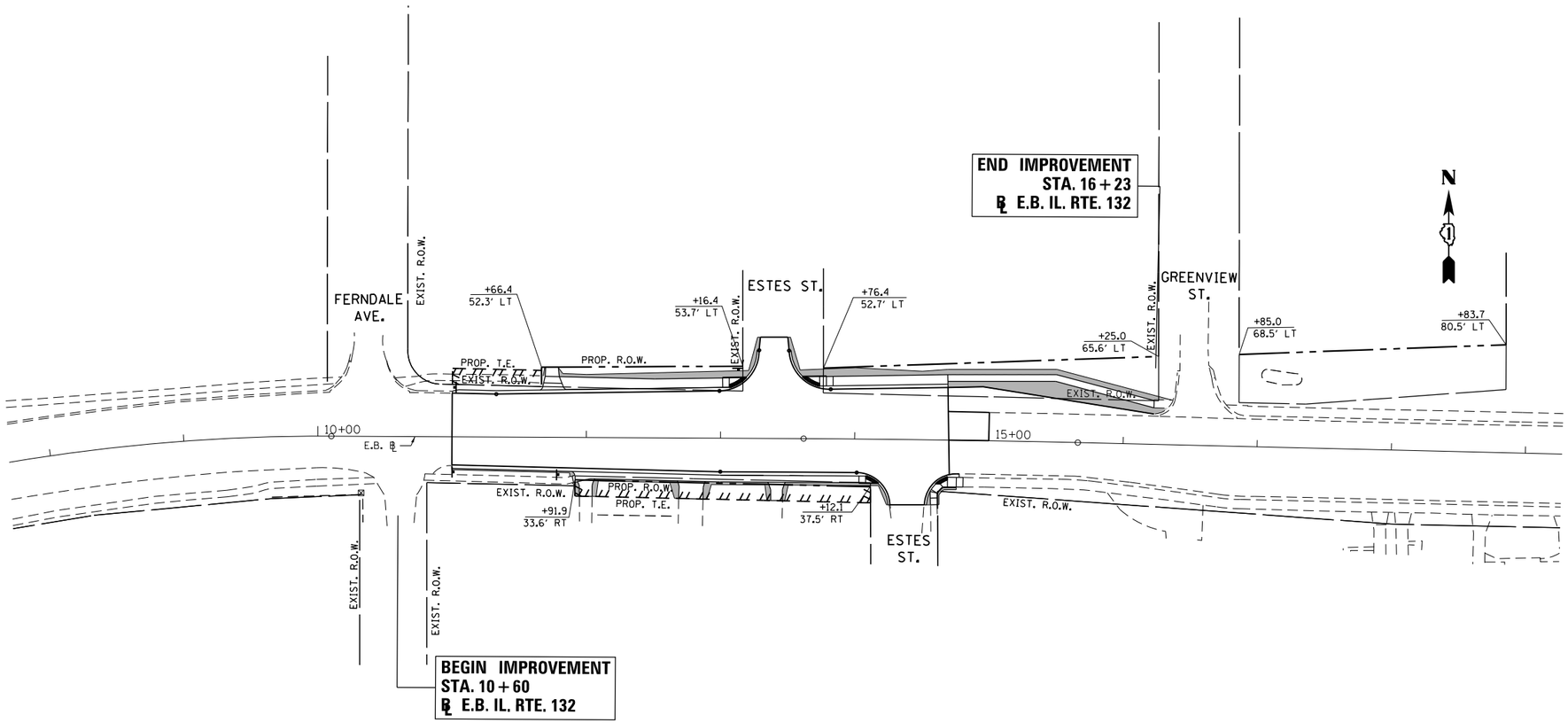
	PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -
Default	PLOT DATE = 12/23/2015	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 132 (FERNDALE ST TO ESTES ST)
PROPOSED PAVEMENT MARKING PLAN

SCALE: 1"=50' | SHEET OF SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
541	(X-J-C)R-1	LAKE	56	33
		CONTRACT NO. 62B73		
	ILLINOIS	FED. AID PROJECT		



LEGEND

TOPSOIL 4", SODDING, SALT TOLERANT

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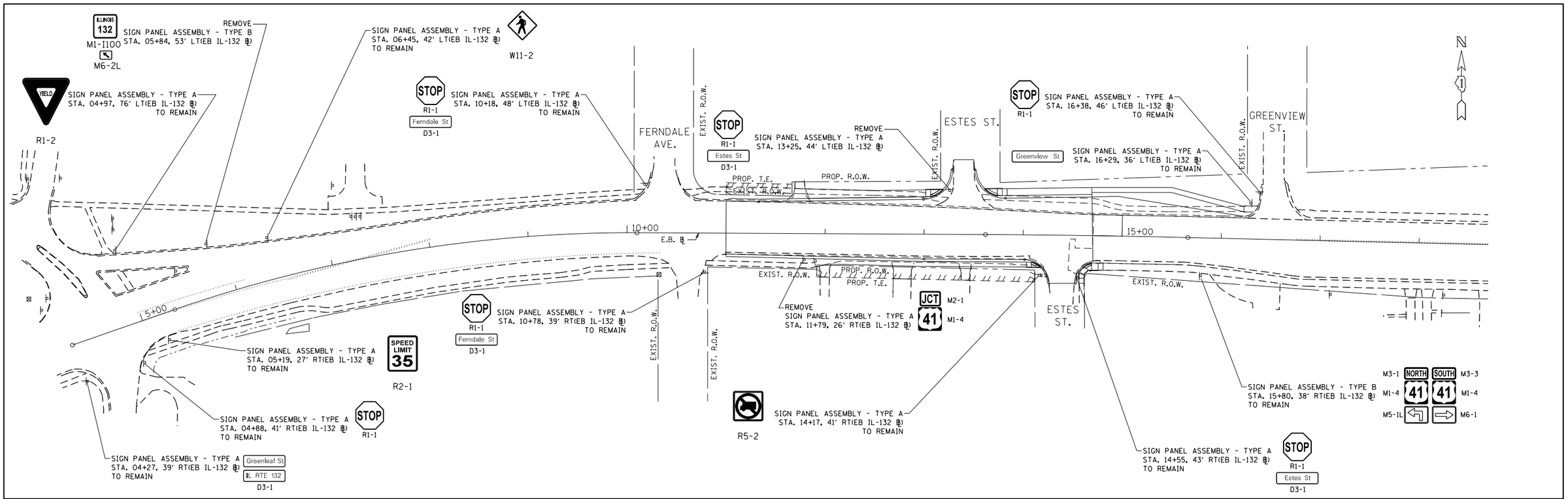
		DRAWN -	REVISED -
	PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -
Default	PLOT DATE = 1/26/2016	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 132 (FERNDALE ST TO ESTES ST)
PROPOSED LANDSCAPING PLAN

SCALE: 1"=50' | SHEET OF SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
541	(X-J-C)R-1	LAKE	56	34
		CONTRACT NO. 62B73		
	ILLINOIS	FED. AID PROJECT		



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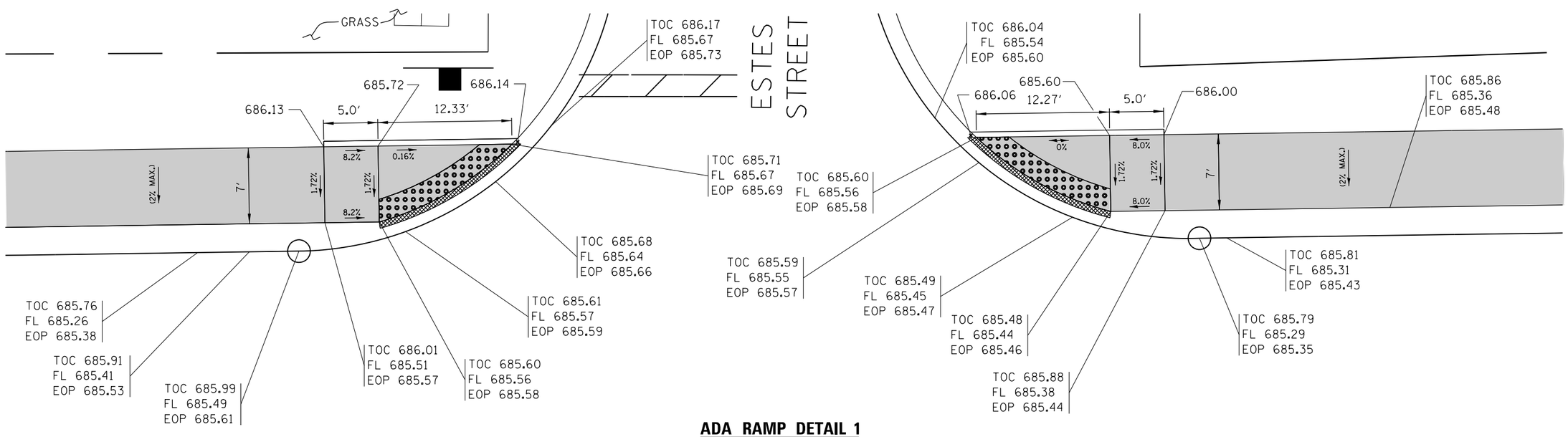
		DRAWN -	REVISED -
	PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -
Default	PLOT DATE = 1/26/2016	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 132 (FERNDALE STREET TO ESTES STREET)
EXISTING AND PROPOSED SIGNING PLAN

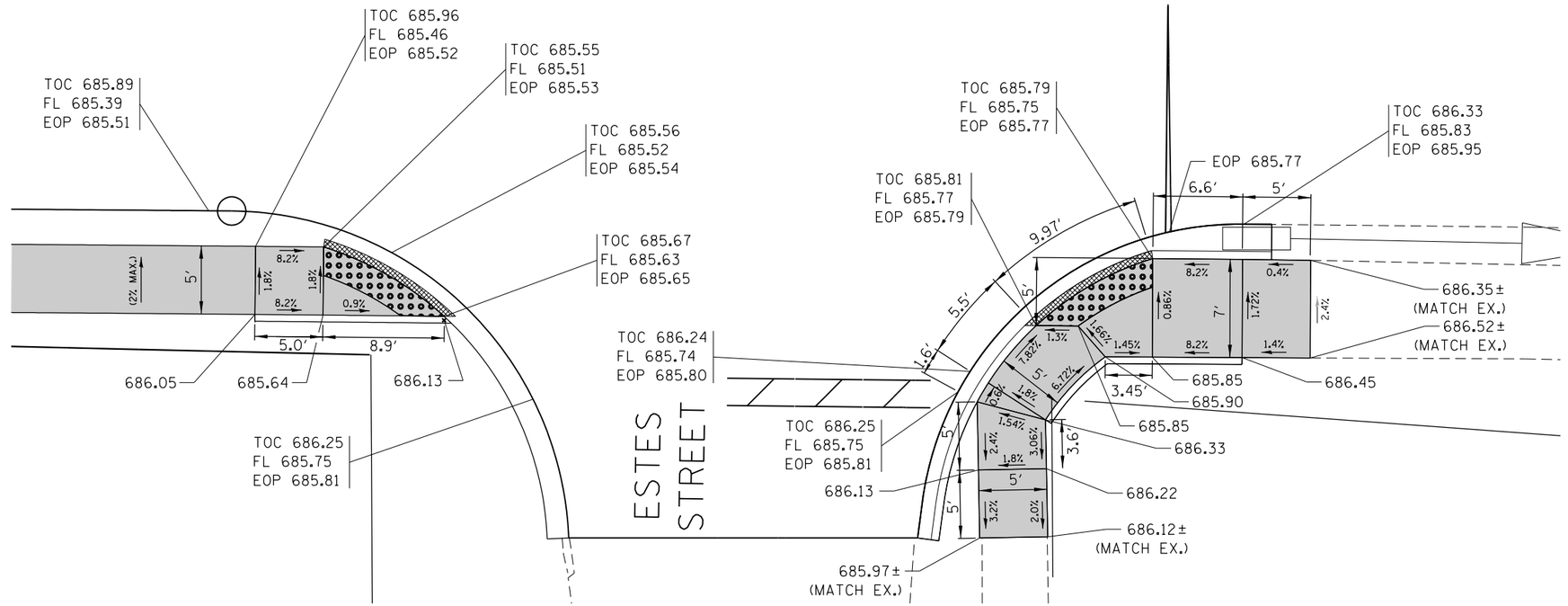
SCALE: | SHEET OF SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
541	(X-J-C)R-1	LAKE	56	35
		CONTRACT NO. 62B73		
		ILLINOIS	FED. AID PROJECT	



ADA RAMP DETAIL 1

IL 132 AND ESTES ST.(NORTH)



ADA RAMP DETAIL 2

IL 132 AND ESTES ST.(SOUTH)

LEGEND

	DETECTABLE WARNINGS
	DEPRESSED CURB
TOC XXX.XX FL XXX.XX EOP XXX.XX	TOP OF CURB ELEV. FLOWLINE ELEV. EDGE OF PAVEMENT ELEV.
680.30	PROPOSED POINT ELEVATION
1.4%	EXISTING SLOPE
1.4%	PROPOSED SLOPE

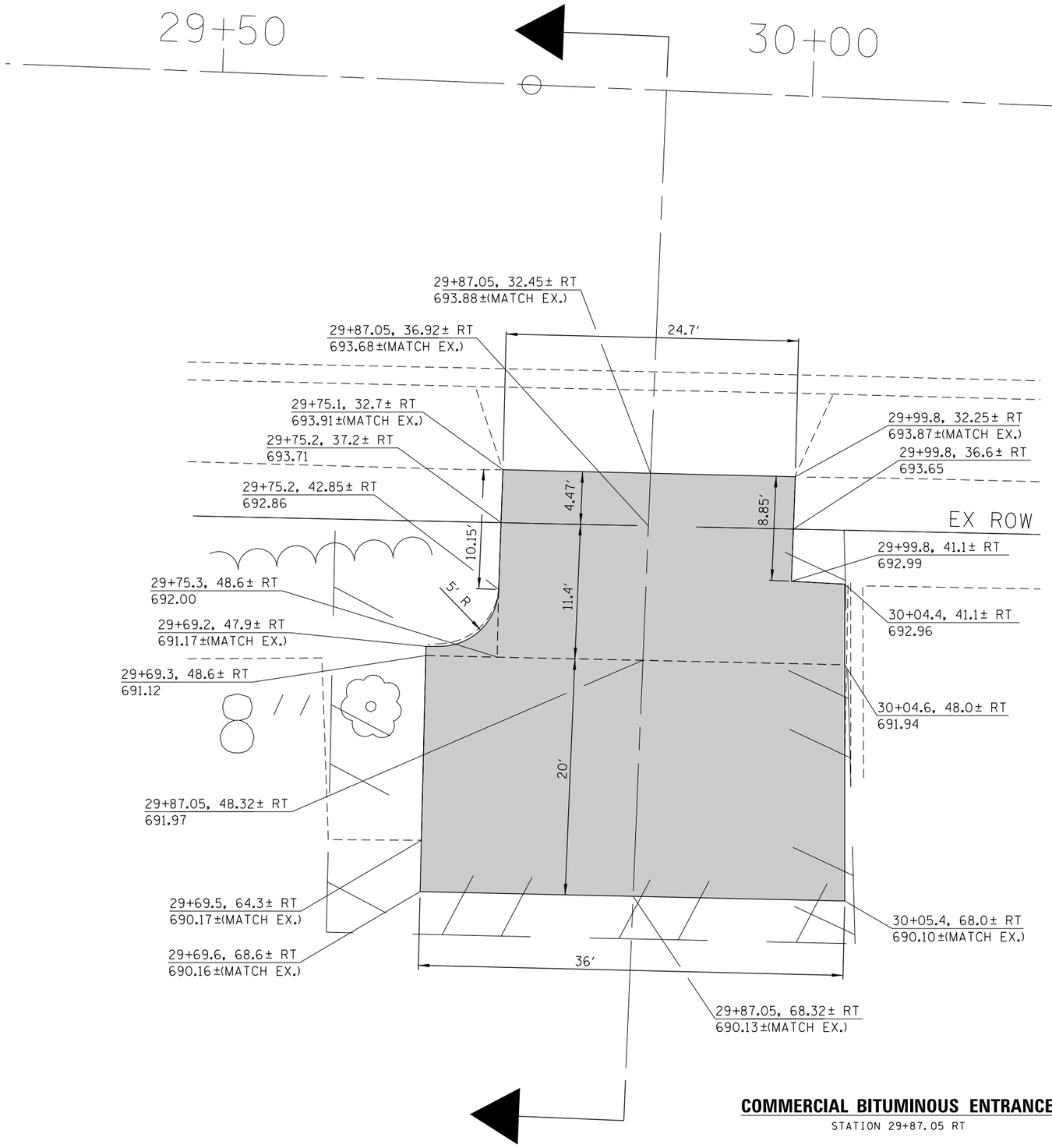
FILE NAME = pw:\\IL084EBIDINTEG.illinois.gov:PWIDOT\Documents\IDOT Offices\District 1\Projects\D160310\Data\Design\D160310-sht-details.dgn	USER NAME = PencePL	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 10.0000 ' / in.	CHECKED -	REVISED -
	PLOT DATE = 12/23/2015	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 132 (FERNDALE ST TO ESTES ST)
SIDEWALK DETAIL PLANS

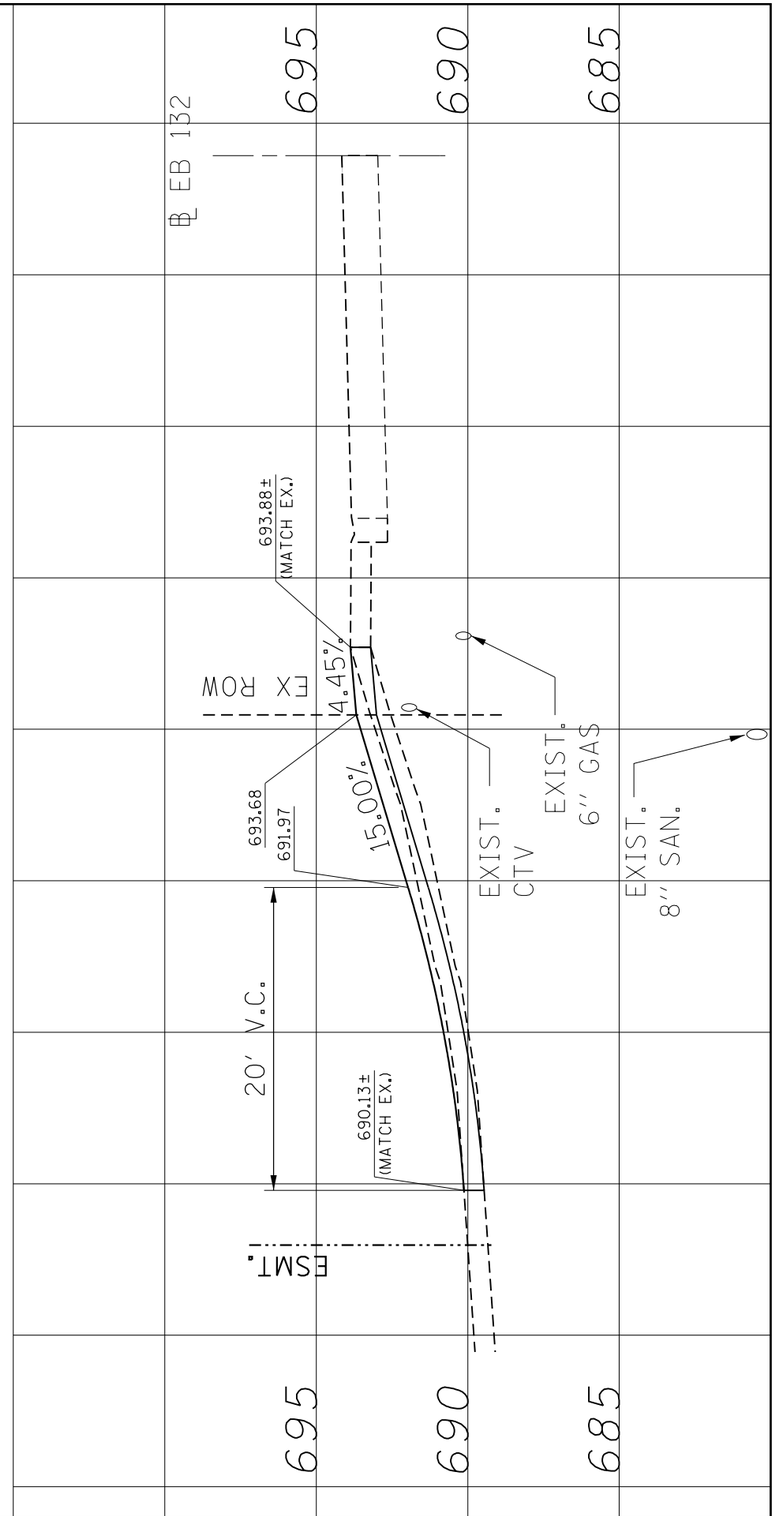
SCALE: | SHEET OF SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
541	(X-J-C)R-1	LAKE	56	36
		CONTRACT NO. 62B73		
	ILLINOIS FED. AID PROJECT			



COMMERCIAL BITUMINOUS ENTRANCE

STATION 29+87.05 RT



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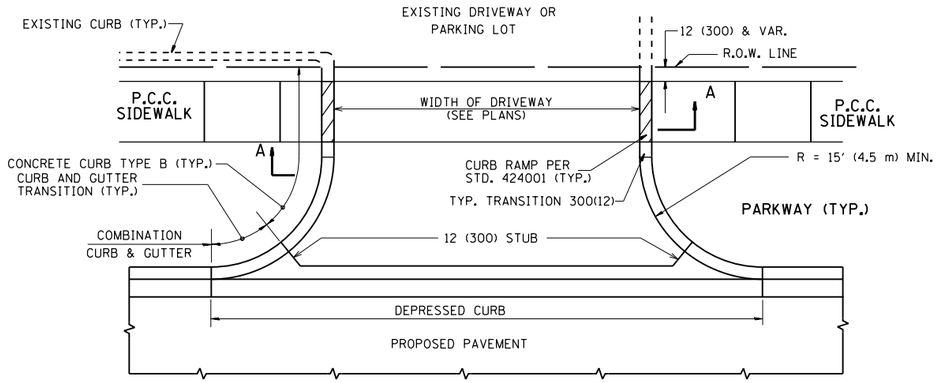
		DRAWN -	REVISED -
	PLOT SCALE = 10.0000 ' / in.	CHECKED -	REVISED -
	PLOT DATE = 12/23/2015	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

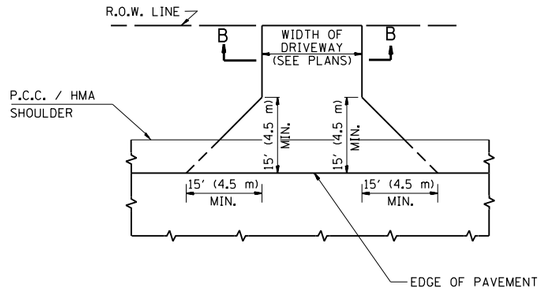
IL 132 (FERNDALE ST TO ESTES ST)
DRIVEWAY DETAIL PLAN

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

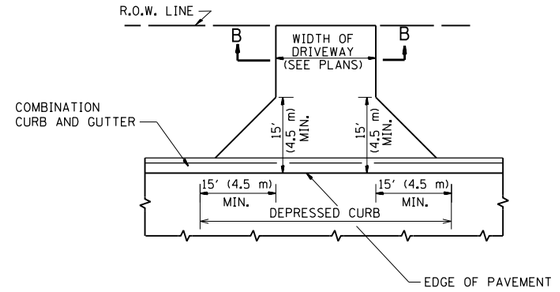
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
541	(X-J-C)R-1	LAKE	56	37
		CONTRACT NO. 62B73		
	ILLINOIS FED. AID PROJECT			



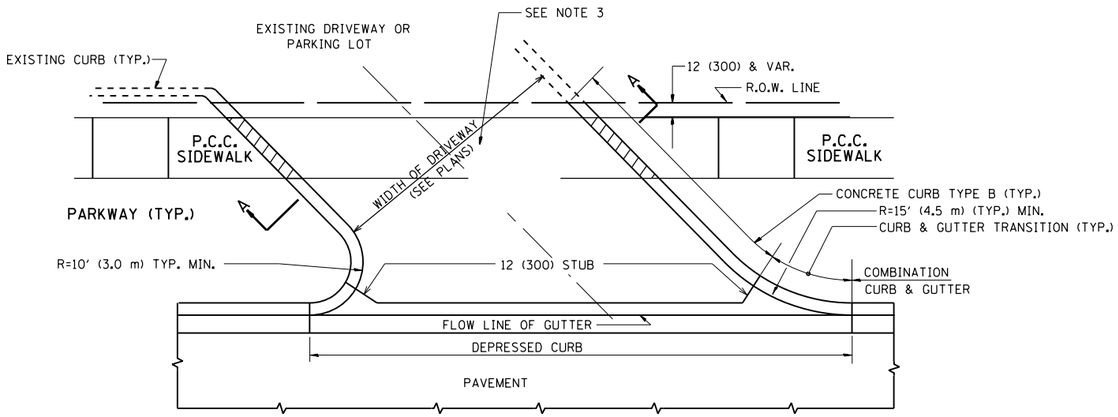
WITH CONCRETE CURB, TYPE B



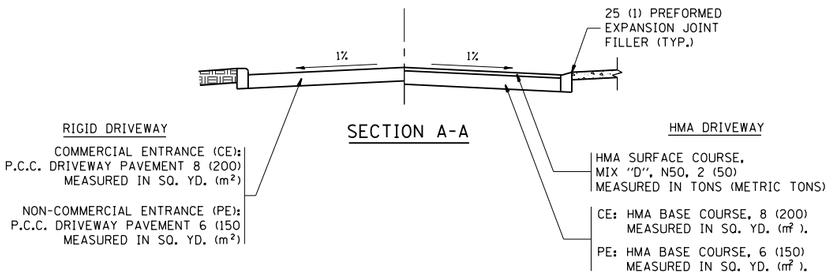
ADJACENT TO P.C.C. / HMA SHOULDER

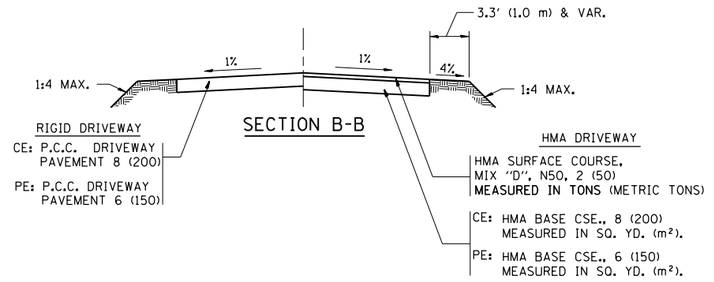


ADJACENT TO CURB AND GUTTER



WITH CONCRETE CURB, TYPE B





RURAL FIELD ENTRANCE (FE)

HMA SURFACE COURSE, MIX "D", N50, 2 (50) MEASURED IN TONS (METRIC TONS)

AGGREGATE BASE CSE., TYPE B, 8 (200) MEASURED IN SQ. YD. (m^2).

GENERAL NOTES:

DRIVEWAY SLOPES, LOCATIONS, & GEOMETRIC LAYOUT SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE "HANDBOOK FOR POLICY ON PERMITS FOR ACCESS DRIVEWAYS TO STATE HIGHWAYS". FOR FURTHER LAYOUT REQUIREMENTS, REFER TO ILLUSTRATIONS IN THE PERMIT HANDBOOK. DRIVEWAYS SHALL BE REPLACED IN KIND, UNLESS OTHERWISE NOTED ON THE PLANS.

COMMERCIAL DRIVEWAYS SHALL BE CONSTRUCTED WITH CONCRETE CURB, TYPE B RETURNS EXCEPT WHEN THE SIDEWALK EDGE IS 4 FEET (1.2 METERS) OR LESS FROM THE BACK OF CURB, CONSTRUCT A FLARE DRIVEWAY WITHOUT CURB.

THE RESIDENT ENGINEER SHALL CONTACT THE TRAFFIC PERMIT OFFICE AT 847/ 705-4131 FOR ANY QUESTIONS ON DRIVEWAYS SHOWN IN THE PLANS; SPECIFICALLY IN REFERENCE TO ADDITIONAL AND/OR RELOCATION/REMOVAL OF A DRIVEWAY.

COMBINATION CONCRETE CURB & GUTTER SHALL BE MEASURED STRAIGHT ACROSS THE DRIVEWAY. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR THE CURB & GUTTER TRANSITION.

1 (25) PREFORMED EXPANSION JOINT FILLER WILL NOT BE PAID SEPARATELY, BUT SHALL BE CONSIDERED INCLUDED IN THE COST OF THE P.C.C. DRIVEWAY PAVEMENT OR P.C.C. SIDEWALK.

WHEN THE P.C.C. SIDEWALK EXTENDS THROUGH THE DRIVEWAY, THE THICKNESS OF THE SIDEWALK IN THE DRIVEWAY AREA SHALL BE THE SAME AS THE DRIVEWAY THICKNESS. SIDEWALK WILL BE PAID FOR AS P.C.C. SIDEWALK OF THE THICKNESS SPECIFIED. SIDEWALK CROSS SLOPE THRU DRIVEWAY AREA TO BE A MAXIMUM OF 1:50.

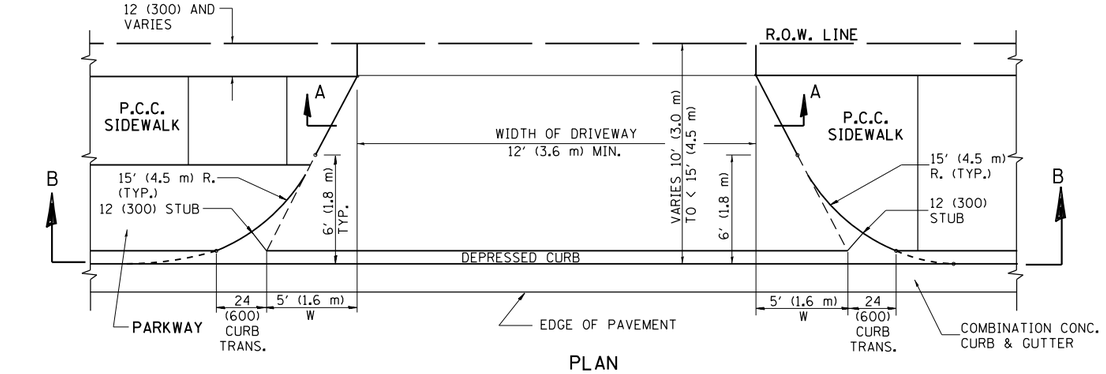
FILE NAME = pw:\\IL084EBIDINTEG.illinois.gov:PWIDOT\Documents\IDOT Offices\District 1\Projects\D1603DRAWN\Data\Design\DistStd.dgn	USER NAME = PencePL	DESIGNED - R. SHAH	REVISED - P. LaFLUER 04-15-03
			REVISED - R. BORO 01-01-07
	PLOT SCALE = 100.0002 ' / in.	CHECKED -	REVISED - R. BORO 06-11-08
	PLOT DATE = 12/23/2015	DATE - 11-04-95	REVISED - R. BORO 09-06-11

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRIVEWAY DETAILS – DISTANCE BETWEEN R.O.W. AND FACE OF CURB & EDGE OF SHOULDER >= 15' (4.5 m)

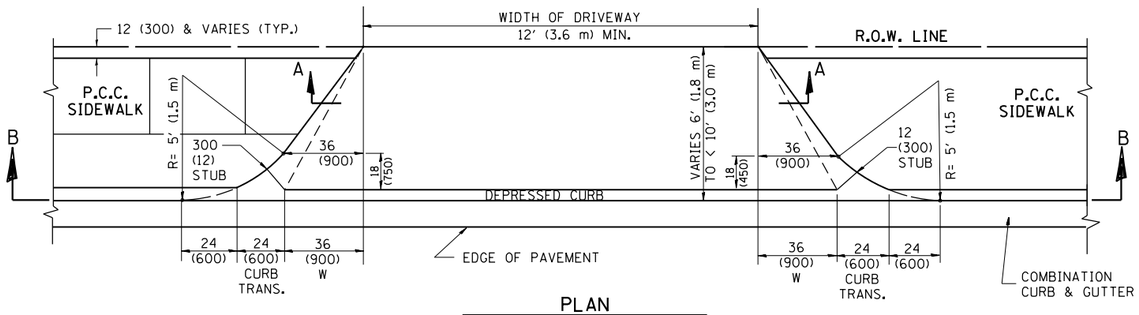
SCALE: NONE | SHEET NO. 1 OF 1 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
541	(X-J-C)R-1	LAKE	56	38
	BD0156-07 (BD-01)	CONTRACT NO. 62B73		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



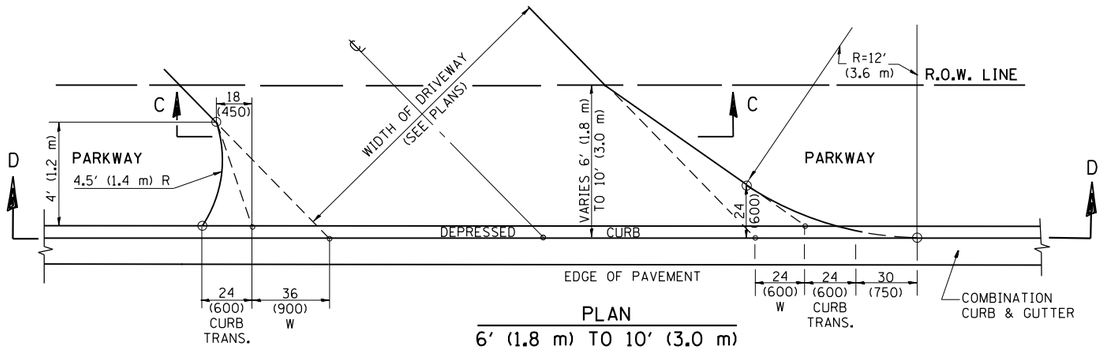
PLAN

10' (3.0 m) TO < 15' (4.5 m)



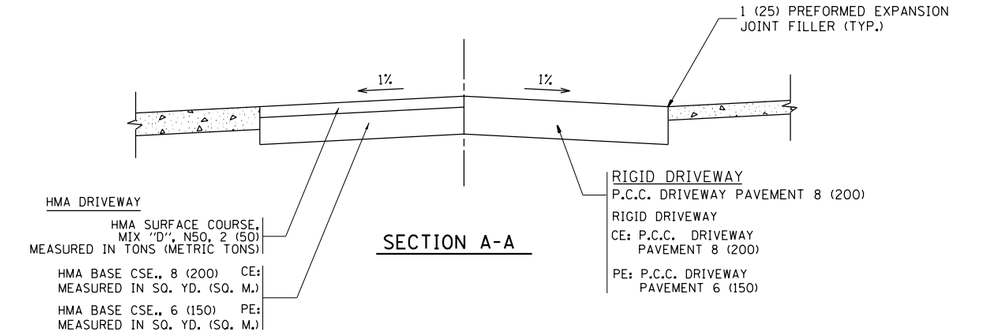
PLAN

6' (1.8 m) TO < 10' (3.0 m)

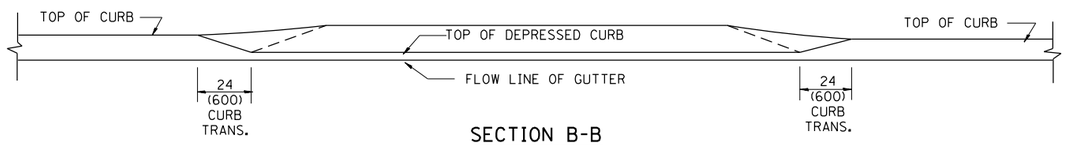


PLAN

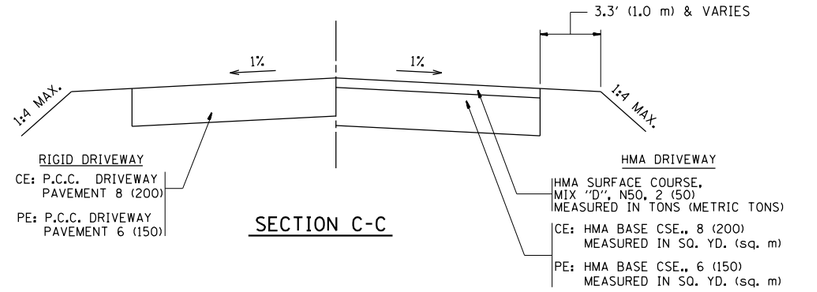
6' (1.8 m) TO 10' (3.0 m)



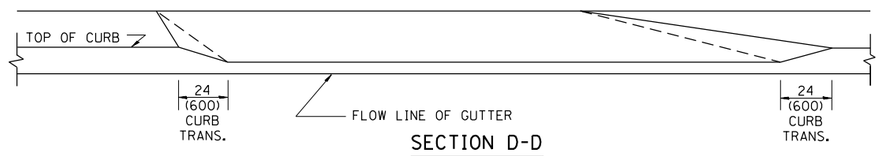
SECTION A-A



SECTION B-B



SECTION C-C



SECTION D-D

GENERAL NOTES

DRIVEWAY SLOPES, LOCATIONS, & GEOMETRIC LAYOUT SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE "HANDBOOK FOR POLICY ON PERMITS FOR ACCESS DRIVEWAYS TO STATE HIGHWAYS". FOR FURTHER LAYOUT REQUIREMENTS, REFER TO ILLUSTRATION 10 IN THE PERMIT HANDBOOK. WHERE SIDEWALKS EXIST, DRIVEWAYS SHALL BE REPLACED WITH RIGID PAVEMENT. WHERE NO SIDEWALKS EXIST, DRIVEWAYS SHALL BE REPLACED IN KIND. SIDEWALK CROSS SLOPE THRU DRIVEWAY AREA TO BE A MAXIMUM OF 1:50.

WHEN THE DISTANCE BETWEEN R.O.W. AND THE BACK OF CURB IS EQUAL TO OR LESS THAN 8' (2.4 m), THE P.C.C. SIDEWALK SHALL EXTEND TO THE BACK OF CURB.

THE RESIDENT ENGINEER SHALL CONTACT THE TRAFFIC PERMIT OFFICE AT 847/ 705-4131 FOR ANY QUESTIONS ON DRIVEWAYS SHOWN IN THE PLANS; SPECIFICALLY IN REFERENCE TO ADDITIONAL AND/OR RELOCATION/REMOVAL OF A DRIVEWAY.

COMBINATION CONCRETE CURB & GUTTER SHALL BE MEASURED STRAIGHT ACROSS THE DRIVEWAY. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR THE CURB & GUTTER TRANSITION.

THE 1 (25) PREFORMED EXPANSION JOINT FILLER WILL NOT BE PAID SEPARATELY, BUT SHALL BE CONSIDERED INCLUDED IN THE COST OF THE P.C.C. DRIVEWAY PAVEMENT OR P.C.C. SIDEWALK.

"W" VARIES FROM 36 (900) TO 5' (1.5 m) PROPORTIONAL TO THE LENGTH (L), FROM 6' (1.8 m) TO 10' (3 m).

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

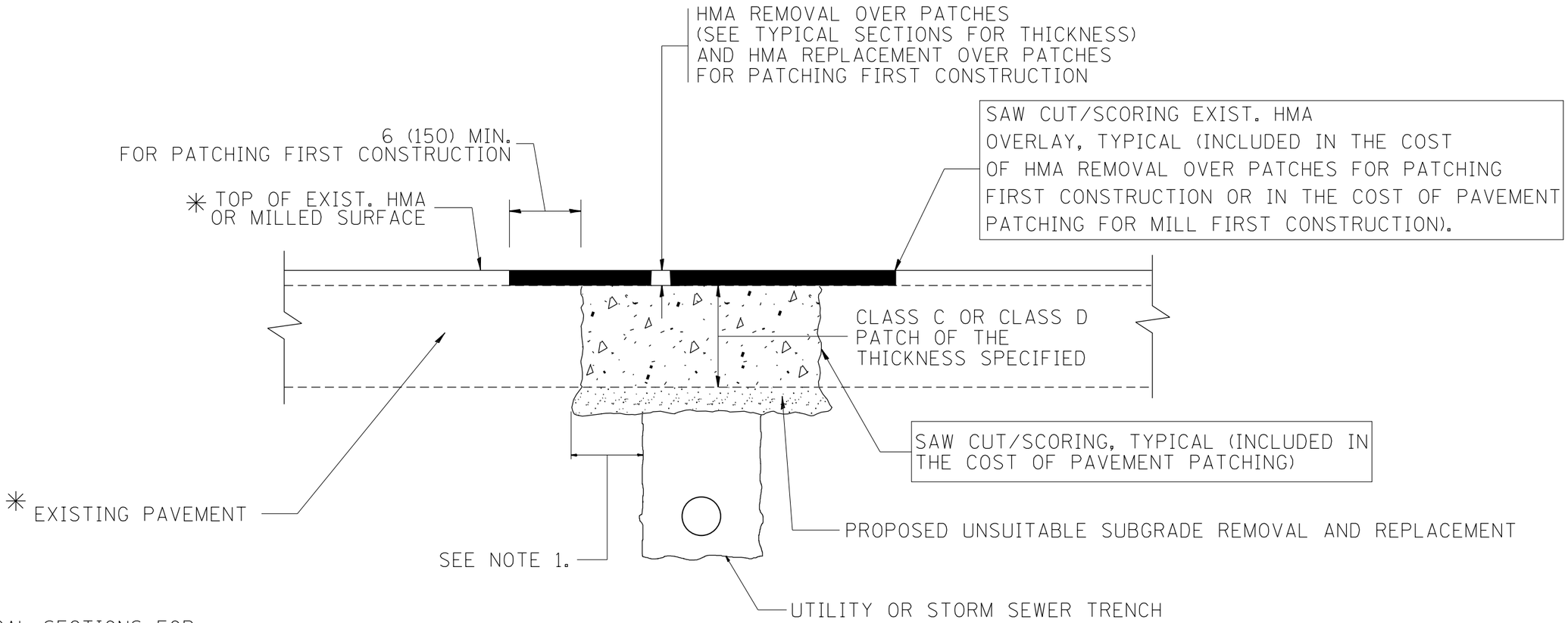
FILE NAME = pw:\\IL084EBIDINTEG.illinois.gov:PWIDOT\Documents\IDOT Offices\District 1\Projects\D1633DRAWN\Data\Design\DistStd.dgn	USER NAME = PencePL	DESIGNED - R. SHAH	REVISED - M. GOMEZ 04-06-01
			REVISED - P. LaFLEUR 04-15-03
	PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED - R. BORO 01-01-07
	PLOT DATE = 12/23/2015	DATE - 11-06-95	REVISED - R. BORO 01-01-07

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRIVEWAY DETAILS
DISTANCE BETWEEN ROW AND FACE OF CURB < 15' (4.5 m)

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
541	(X-J-C)R-1	LAKE	56	39
	BD400-02 (BD-02)	CONTRACT NO. 62B73		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



✳ SEE TYPICAL SECTIONS FOR THICKNESS AND MATERIALS

NOTES:

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

SEQUENCE OF CONSTRUCTION (PATCHING FIRST)

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

SEQUENCE OF CONSTRUCTION (MILLING FIRST)

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

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

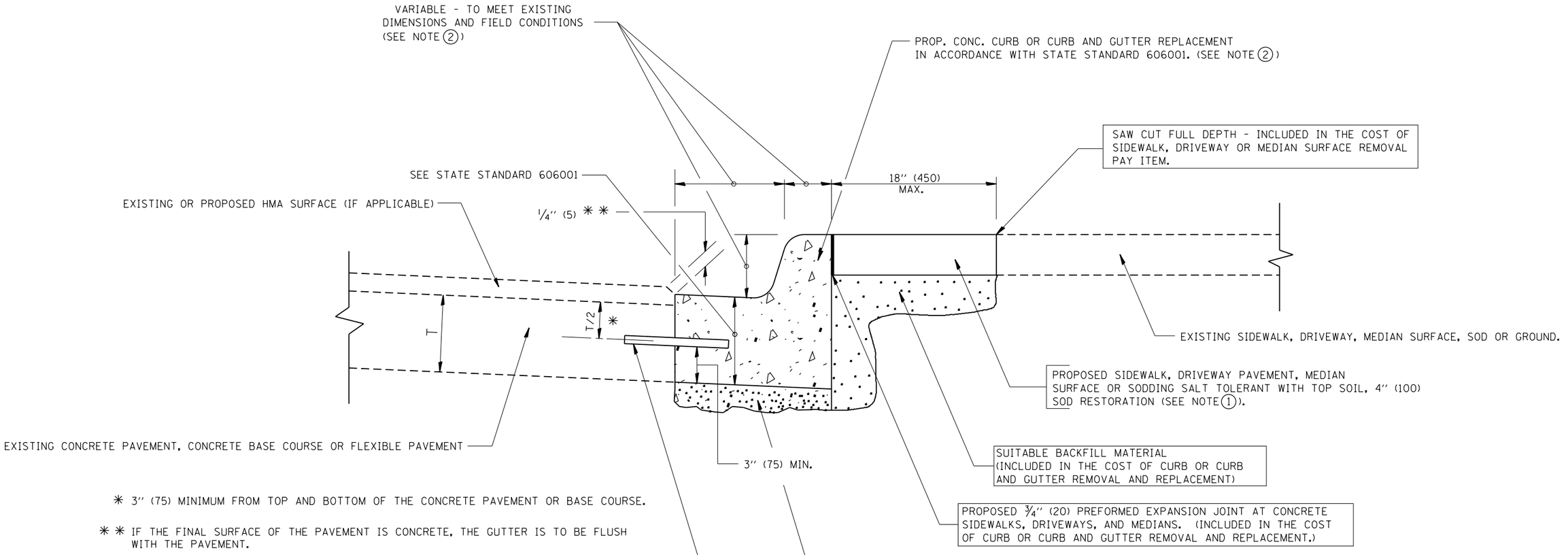
FILE NAME = pw:\\IL084EBIDINTEG.illinois.gov:PWIDOT\Documents\IDOT Offices\District 1\Projects\D1603DRAWN\Data\Design\DistStd.dgn	USER NAME = PencePL	DESIGNED - R. SHAH	REVISED - A. ABBAS 04-27-98
			REVISED - R. BORO 01-01-07
	PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED - R. BORO 09-04-07
	PLOT DATE = 12/23/2015	DATE - 10-25-94	REVISED - K. ENG 10-27-08

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
541	(X-J-C)R-1	LAKE	56	40
	BD400-04 (BD-22)	CONTRACT NO. 62B73		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



* 3" (75) MINIMUM FROM TOP AND BOTTOM OF THE CONCRETE PAVEMENT OR BASE COURSE.

* * IF THE FINAL SURFACE OF THE PAVEMENT IS CONCRETE, THE GUTTER IS TO BE FLUSH WITH THE PAVEMENT.

NOTE: (1) SIDEWALK, DRIVEWAY PAVEMENT OR MEDIAN SURFACE SHALL BE SIMILAR TO THE MATERIAL BEING REMOVED AND WILL BE PAID FOR SEPARATELY.

SODDING, SALT TOLERANT AND TOP SOIL, FURNISH AND PLACE 4" WILL BE PAID FOR SEPARATELY.

(2) FERTILIZER FOR THE PLACEMENT OF THE SOD IS NOT REQUIRED

(3) CURB OR CURB AND GUTTER REPLACEMENT SHALL MATCH THE SHAPE OF THE EXISTING CURB OR CURB AND GUTTER UNLESS OTHERWISE SPECIFIED.

(4) FOR CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT ADJACENT TO FLEXIBLE PAVEMENT DELETE EPOXY COATED TIE BARS.

(5) LONGITUDINAL BARS, IF ENCOUNTERED IN THE EXISTING CURB OR CURB AND GUTTER, ARE NOT TO BE REPLACED. CUTTING AND REMOVING LONGITUDINAL BARS SHALL BE INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT.

(6) THE COST OF HMA SURFACE REMOVAL IN THE EXISTING GUTTER FLAG SHALL BE INCLUDED IN THE COST OF THE CURB AND GUTTER REMOVAL AND REPLACEMENT.

(7) THE REMOVAL AND REPLACEMENT OF THE EXISTING CURB OR CURB AND GUTTER SHALL BE DONE IN ACCORDANCE WITH THE APPLICABLE PORTIONS OF SECTION 440 AND 606 OF THE STANDARD SPECIFICATIONS.

(8) THE LOCATIONS OF REMOVAL AND REPLACEMENT OF EXISTING CURB OR CURB AND GUTTER SHALL BE DETERMINED BY THE RESIDENT ENGINEER AT THE TIME OF CONSTRUCTION.

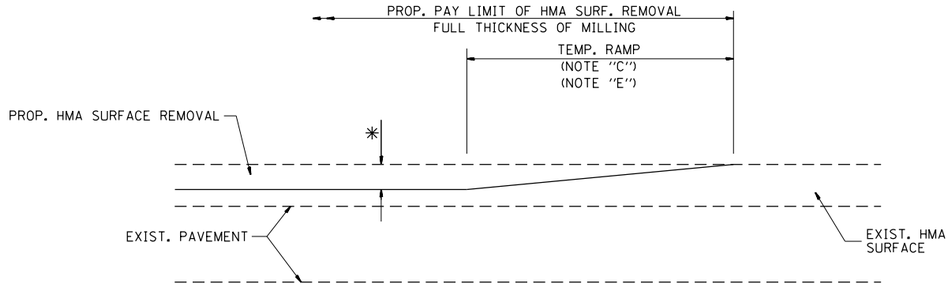
BASIS OF PAYMENT:

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

CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

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

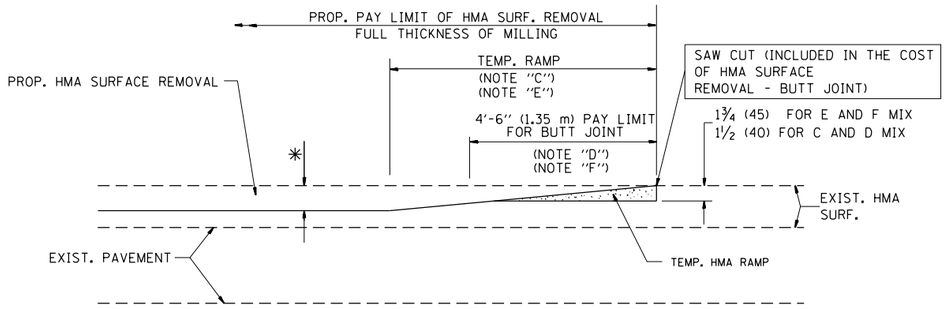
FILE NAME = pw:\\IL084EBIDINTEG.illinois.gov:PWIDOT\Documents\IDOT Offices\District 1\Projects\D1603DRAWN\Data\Design\DistStd.dgn	USER NAME = PencePL	DESIGNED - A. HOUSEH	REVISED - R. SHAH 10-03-96	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED - A. ABBAS 03-21-97				541	(X-J-C)R-1	LAKE	56	41
	PLOT DATE = 12/23/2015	DATE - 03-11-94	REVISED - M. GOMEZ 01-22-01		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS STA. TO STA.	BD600-06 (BD-24)		CONTRACT NO. 62B73		
			REVISED - R. BORO 12-15-09				FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



MILLED TEMPORARY RAMP

(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

OPTION 1

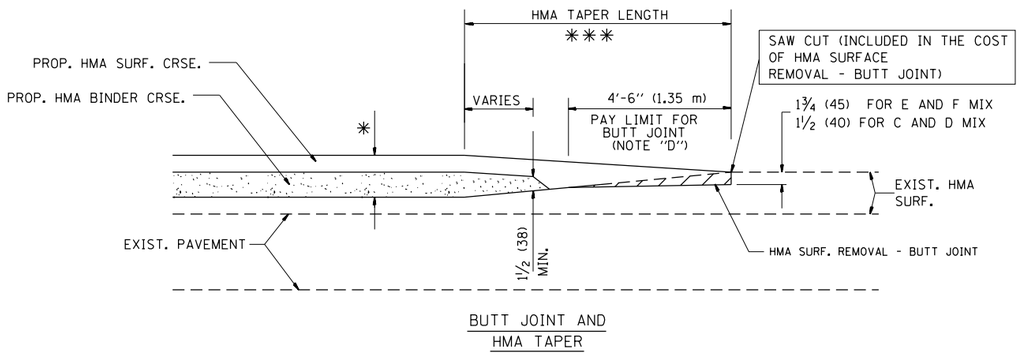


HMA CONSTRUCTED TEMPORARY RAMP

(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

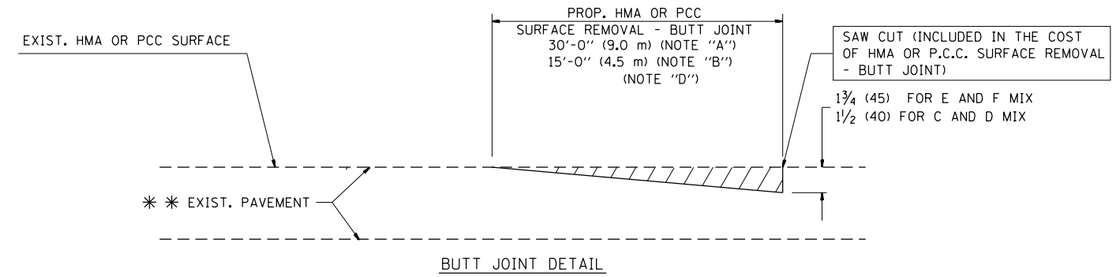
OPTION 2

TYPICAL TEMPORARY RAMP

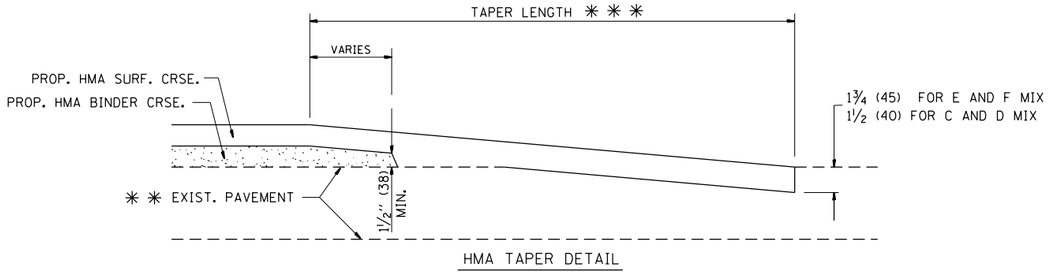


BUTT JOINT AND HMA TAPER

TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING



BUTT JOINT DETAIL



HMA TAPER DETAIL

TYPICAL BUTT JOINT AND HMA TAPER FOR RESURFACING ONLY

** PC CONCRETE, HMA OR HMA RESURFACED PAVEMENT.

NOTES

A: MAINLINE ROADWAYS AND MAJOR SIDE ROADS.

B: MINOR SIDE ROADS.

C: THE TEMP. RAMP SHALL BE CONSTRUCTED IMMEDIATELY UPON REMOVAL OF THE EXISTING HMA SURFACE.

D: THE BUTT JOINT SHALL BE CONSTRUCTED IMMEDIATELY PRIOR TO PLACING THE PROPOSED HMA COURSES.

E: TAPER THE TEMP. RAMP AT A RATE OF 3'-0" (900 mm) PER 1 INCH (25 mm) OF MILLING THICKNESS.

F: INSTALLATION AND REMOVAL OF THE 4'-6" (1.35 m) TEMP. RAMP IS INCLUDED IN COST OF HMA SURFACE REMOVAL - BUTT JOINT

G: SEE ARTICLE 406.08 AND 406.14 OF THE STANDARD SPECIFICATIONS FOR "HMA AND/OR PCC SURFACE REMOVAL, BUTT JOINT".

* SEE TYPICAL SECTIONS FOR MILLING THICKNESS.

*** 20'-0" (6.1 m) PER 1 (25) RESURFACING (NOTE "A")
10'-0" (3.0 m) PER 1 (25) RESURFACING (NOTE "B")

BASIS OF PAYMENT:

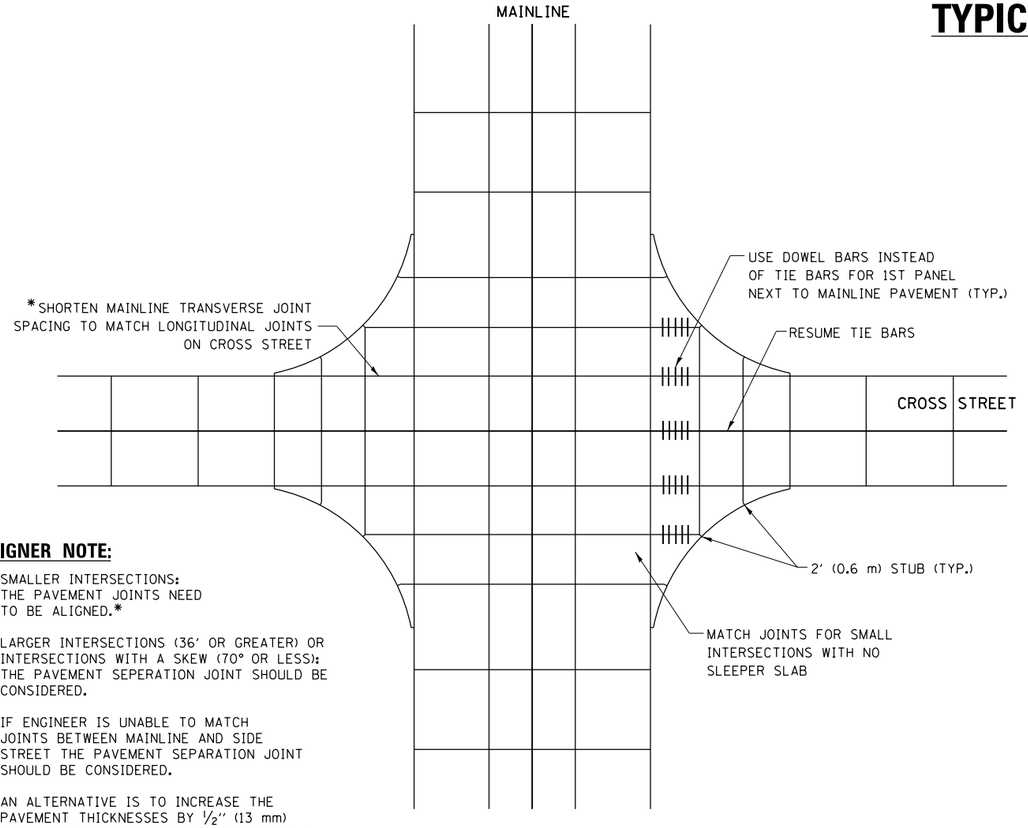
THE BUTT JOINT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD (SQUARE METER) FOR "HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT" OR FOR "PORTLAND CEMENT CONCRETE SURFACE REMOVAL- BUTT JOINT".

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

FILE NAME = pw:\\IL084EBIDINTEG.illinois.gov:PWIDOT\Documents\IDOT Offices\District 1\Projects\D1603DRWN\Data\Design\DistStd.dgn	USER NAME = PencePL	DESIGNED - M. DE YONG	REVISED - R. SHAH 10-25-94	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	BUTT JOINT AND HMA TAPER DETAILS
	PLOT SCALE = 100.0000 '/ in.	CHECKED -	REVISED - A. ABBAS 03-21-97		
	PLOT DATE = 12/23/2015	DATE - 06-13-90	REVISED - M. GOMEZ 04-06-01		
			REVISED - R. BORO 01-01-07		SCALE: NONE / SHEET NO. 1 OF 1 SHEETS / STA. / TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
541	(X-J-C)R-1	LAKE	56	42
	BD400-05 BD32	CONTRACT NO. 62B73		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

TYPICAL APPLICATION

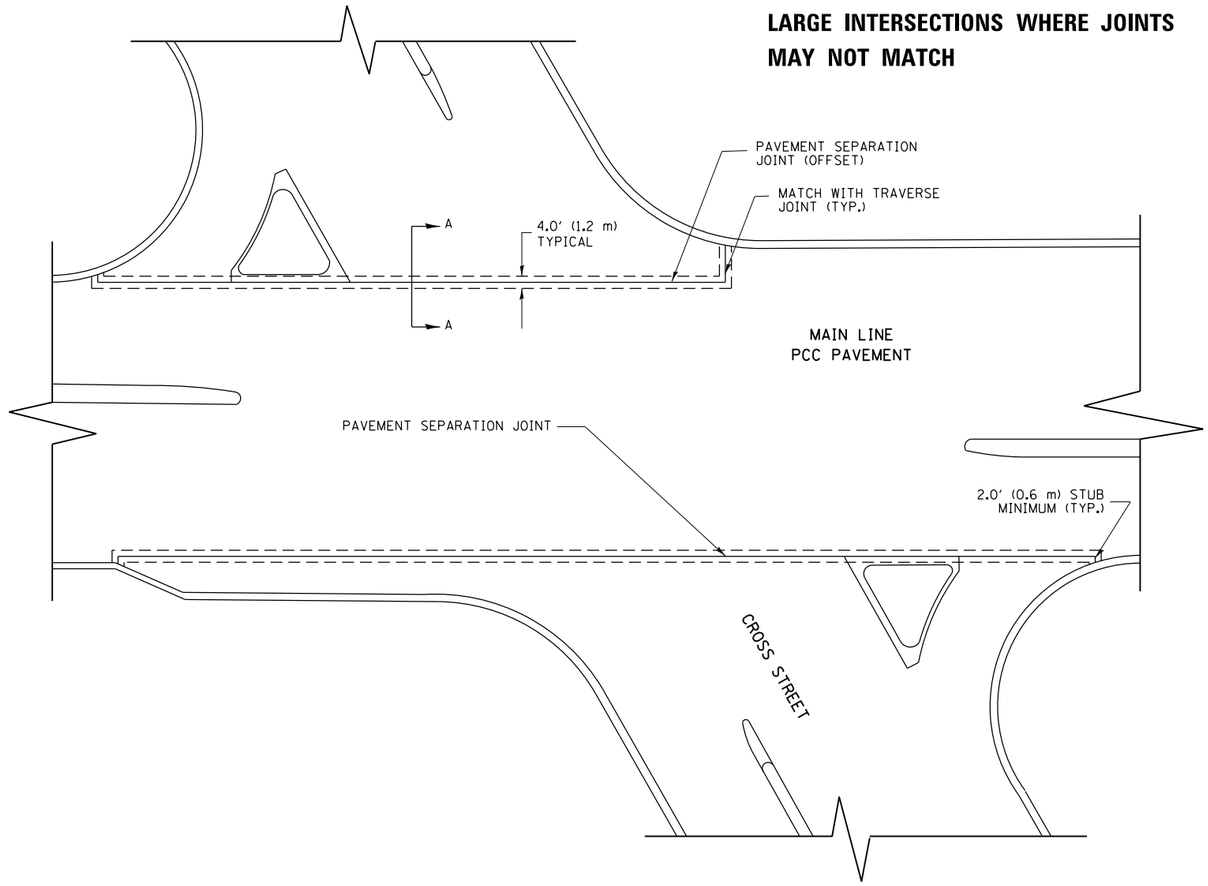


PLAN

DESIGNER NOTE:

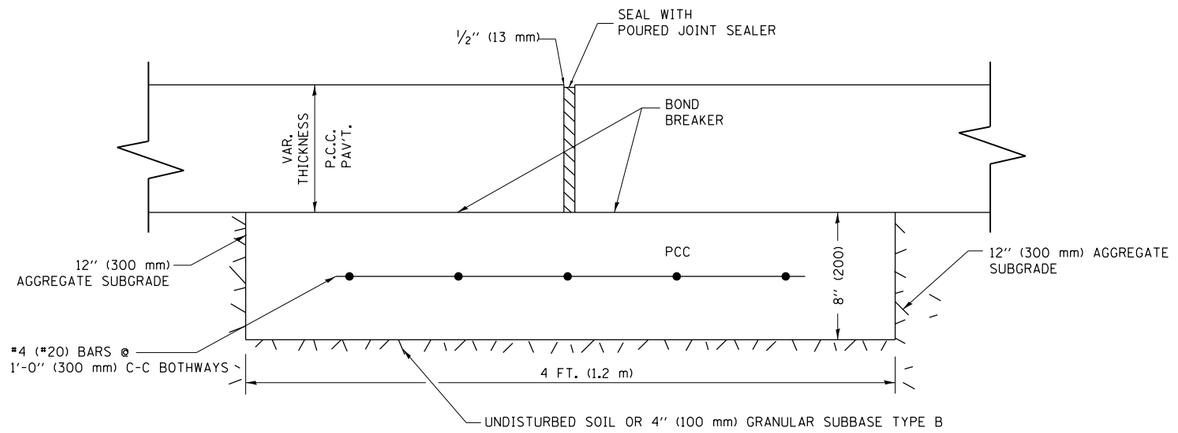
1. SMALLER INTERSECTIONS: THE PAVEMENT JOINTS NEED TO BE ALIGNED.*
2. LARGER INTERSECTIONS (36' OR GREATER) OR INTERSECTIONS WITH A SKEW (70° OR LESS): THE PAVEMENT SEPERATION JOINT SHOULD BE CONSIDERED.
3. IF ENGINEER IS UNABLE TO MATCH JOINTS BETWEEN MAINLINE AND SIDE STREET THE PAVEMENT SEPARATION JOINT SHOULD BE CONSIDERED.
4. AN ALTERNATIVE IS TO INCREASE THE PAVEMENT THICKNESSES BY 1/2" (13 mm) FOR THE LENGTH OF THE AFFECTED PANELS AT THE INTERSECTION. FOR LARGE INTERSECTIONS (6 LANES
5. OR MORE) WHERE JOINTS CAN BE MATCHED, USE #8 (25) DOWEL BARS INSTEAD OF #8 (25) TIE BARS AT EDGE OF MAINLINE PAVEMENT WHEN NO PAVEMENT SEPARATION JOINTS USED.

THE USE OF CROSS STREET PAVEMENT SEPARATION JOINTS FOR SKEWED OR LARGE INTERSECTIONS WHERE JOINTS MAY NOT MATCH



NOTE:

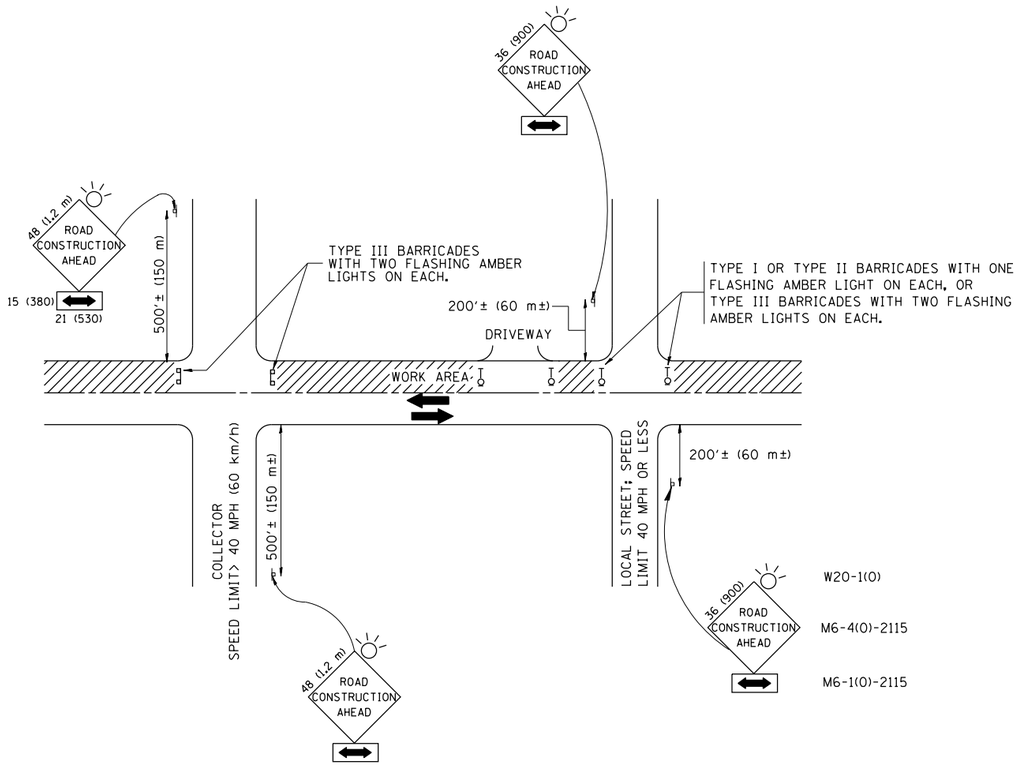
1. JOINT FILLER SHALL CONSIST OF A SHEET OF 1/2" (13 mm) BITUMINOUS PREFORMED FIBER JOINT FILLER CONFORMING TO ARTICLE 1051.03 OF THE STANDARD SPECIFICATIONS.
2. THE JOINT SHALL BE SEALED WITH A HOT POUR JOINT SEALER CONFORMING TO ARTICLE 1050.02 OF THE STANDARD SPECIFICATIONS.
3. A SINGLE LAYER OF FELT ROOFING PAPER SHALL SERVE AS A BOND BREAKER.
4. JOINT SHALL CONTINUE THROUGH COMBINATION CURB & GUTTER OR PCC SHOULDER.
5. PAVEMENT SEPARATION JOINT IS TO BE PAID FOR AS "SLEEPER SLAB" AND IS TO BE MEASURED IN PLACE BY THE LINEAL FOOT.
6. BOND BREAKER AND 1/2" (13 mm) JOINT AND FILLER SHALL BE INCIDENTAL TO THE PAY ITEM "SLEEPER SLAB".



PROPOSED SECTION A–A

FILE NAME = DistStd.dgn	USER NAME = PencePL	DESIGNED -	REVISED - CADD 06-18-10	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETAIL OF PAVEMENT SEPARATION JOINT FOR JOINTED PCC PAVEMENTS AT INTERSECTIONS
		DRAWN -	REVISED -		
	PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -		SCALE: NONE / SHEET NO. 1 OF 1 SHEETS / STA. / TO STA.
	PLOT DATE = 12/23/2015	DATE -	REVISED -		

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
541	(X-J-C)R-1	LAKE	56	43
	BD52	CONTRACT NO. 62B73		
	ILLINOIS FED. AID PROJECT			



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

NOTES:

A. FOR NO LANE RESTRICTION ON THE SIDE ROAD OR DRIVEWAYS

1. SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:

   a) ONE **ROAD CONSTRUCTION AHEAD** SIGN 36 x 36 (900x900) WITH A FLASHER AND FLAG MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.

   b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.

2. SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:

   a) ONE **ROAD CONSTRUCTION AHEAD** SIGN 48 x 48 (1.2 m x 1.2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE OF THE MAIN ROUTE.

   b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.

3. WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).

B. FOR A LANE CLOSURE ON A SIDE ROAD OR DRIVEWAY:

USE APPLICABLE PORTIONS OF THE TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES (STD. 701501, STD. 701606 OR THE APPROPRIATE STANDARD). THE SPACING OF SIGNS AND BARRICADES SHALL BE ADJUSTED FOR FIELD CONDITIONS AS DIRECTED BY THE ENGINEER. THE DIRECTIONAL ARROW SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE SIDE ROAD LANE CLOSURE.

C. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAY UNLESS OTHERWISE NOTED.

D. THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCIDENTAL TO THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

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

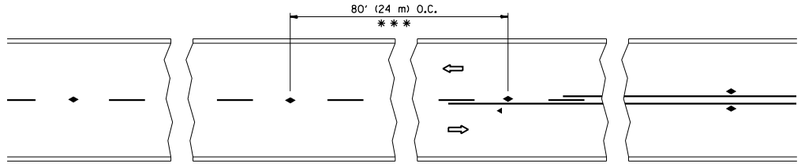
FILE NAME = pw:\\IL084EBIDINTEG.illinois.gov:PWIDOT\Documents\IDOT Offices\District 1\Projects\D1603DRAWN\Data\Design\DistStd.dgn	USER NAME = PencePL	DESIGNED - LHA	REVISED - J. OBERLE 10-18-95
			REVISED - A. HOUSEH 03-06-96
	PLOT SCALE = 100.0000 '/ in.	CHECKED -	REVISED - A. HOUSEH 10-15-96
	PLOT DATE = 12/23/2015	DATE - 06-89	REVISED -T. RAMMACHER 01-06-00

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

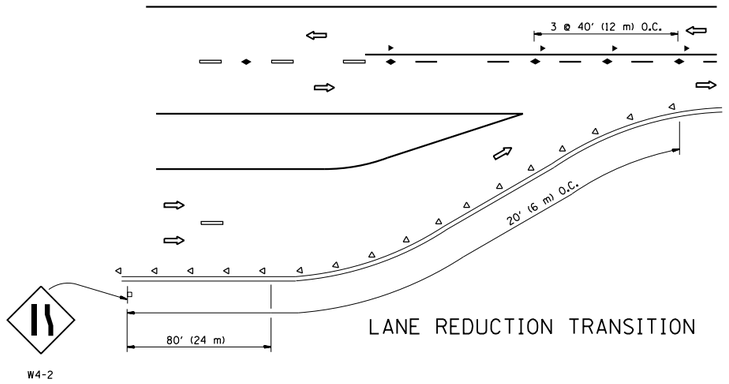
SCALE: NONE | SHEET NO. 1 OF 1 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
541	(X-J-C)R-1	LAKE	56	44
	TC-10	CONTRACT NO. 62B73		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

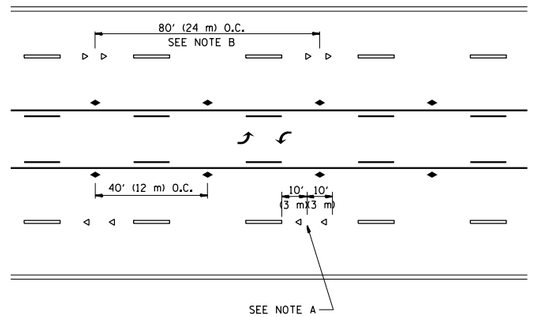


* * * REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

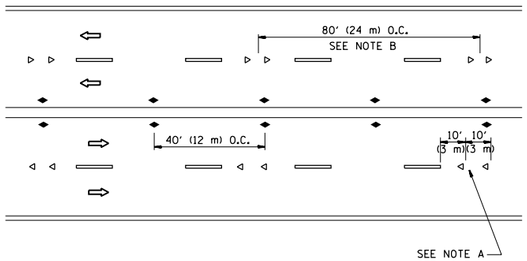
TWO-LANE/TWO-WAY



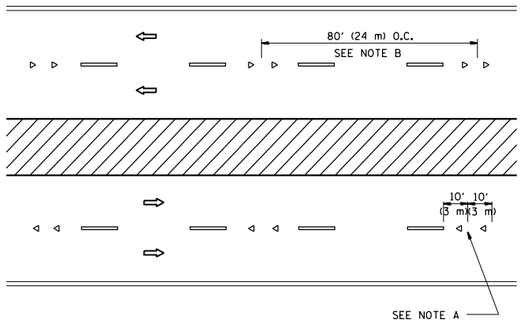
LANE REDUCTION TRANSITION



TWO-WAY LEFT TURN



MULTI-LANE/UNDIVIDED



MULTI-LANE/DIVIDED

GENERAL NOTES

1. MARKERS USED WITH DASHED LINES SHALL BE CENTERED IN THE GAP BETWEEN SEGMENTS.
2. MARKERS USED ADJACENT TO SOLID LINES SHALL BE OFFSET 2 TO 3 (50 TO 75) TOWARD TRAFFIC AS SHOWN.
3. MARKERS THROUGH TANGENTS LESS THAN 500' (150 m) IN LENGTH BETWEEN CURVES SHALL BE INSTALLED AT THE LESSER OF THE TWO CURVE SPACINGS.

SYMBOLS

- YELLOW STRIPE
- WHITE STRIPE
- ONE-WAY AMBER MARKER
- ONE-WAY CRYSTAL MARKER (W/O)
- TWO-WAY AMBER MARKER

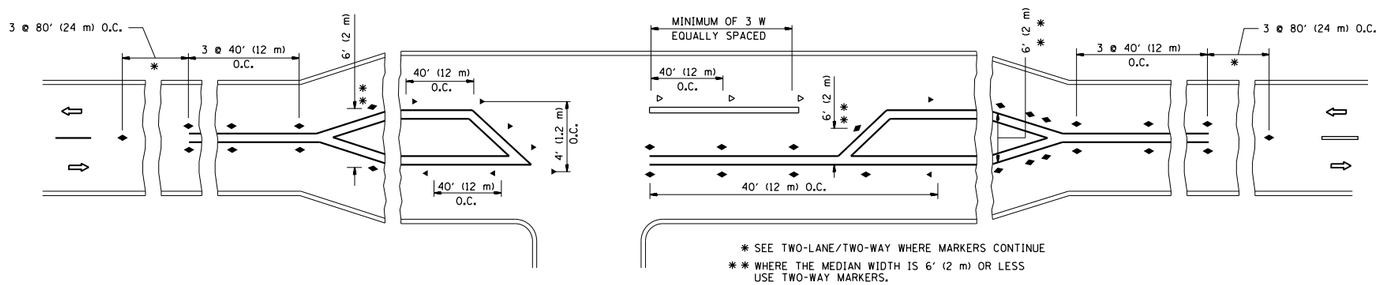
LANE MARKER NOTES

A. USE DOUBLE LANE LINE MARKERS SPACED AS SHOWN.

B. REDUCE TO 40' (12 m) O.C. ON CURVES WHERE ADVISORY SPEEDS ARE 10 M.P.H (20 km/h) LOWER THAN POSTED SPEEDS.

DESIGN NOTES

1. DOUBLE LANE LINE MARKERS SHALL BE USED UNLESS SPECIFIED OTHERWISE.
2. EXCEPT AS SHOWN ON THE LANE REDUCTION TRANSITION AND FREEWAY EXIT RAMP DETAIL, MARKERS ARE NOT TO BE SPECIFIED ON RIGHT EDGE LINES.
3. THE EXACT MARKER LIMITS, SPACING, AND COLOR SHALL BE INCLUDED IN THE PLANS WHEN STANDARD SPECIFICATIONS ARE NOT BEING USED.
4. MARKERS SHOULD NOT BE USED ALONGSIDE CURBS EXCEPT FOR EXTREMELY SHORT SECTIONS OF CURBS WHERE NOT MORE THAN TWO MARKERS WOULD BE INVOLVED.



* SEE TWO-LANE/TWO-WAY WHERE MARKERS CONTINUE

** WHERE THE MEDIAN WIDTH IS 6' (2 m) OR LESS USE TWO-WAY MARKERS.

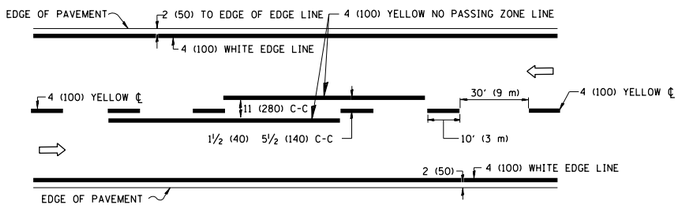
LEFT TURN

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

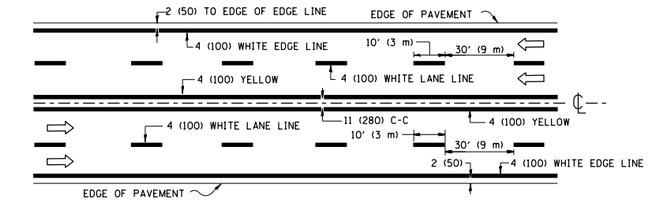
FILE NAME = pw:\\IL084EBIDINTEG.illinois.gov:PWIDOT\Documents\IDOT Offices\District 1\Projects\D1623DRAWN\Data\Design\DistStd.dgn	USER NAME = PencePL	DESIGNED -	REVISED - T. RAMMACHER 09-19-94	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)
	PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED - T. RAMMACHER 03-12-99		
	PLOT DATE = 12/23/2015	DATE -	REVISED - T. RAMMACHER 01-06-00		
			REVISED - C. JUCIUS 09-09-09		

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

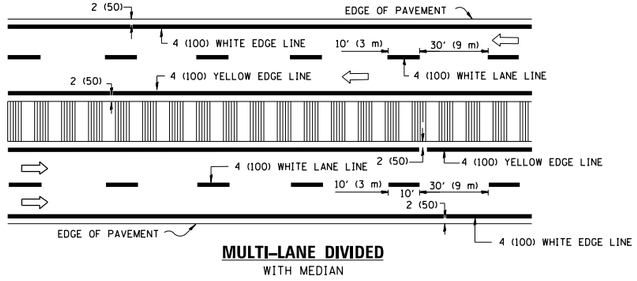
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
541	(X-J-C)R-1	LAKE	56	45
	TC-11	CONTRACT NO. 62B73		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



2–LANE ROADWAY

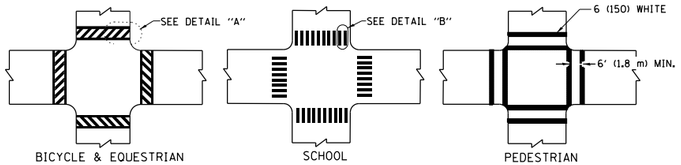


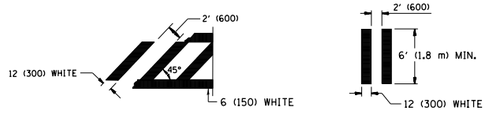
MULTI–LANE UNDIVIDED



MULTI–LANE DIVIDED
WITH MEDIAN

TYPICAL LANE AND EDGE LINE MARKING

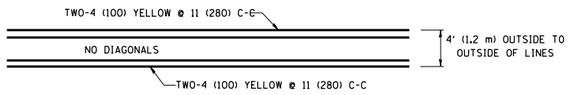




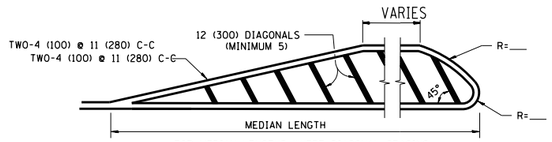
DETAIL "A" **DETAIL "B"**

TYPICAL CROSSWALK MARKING

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



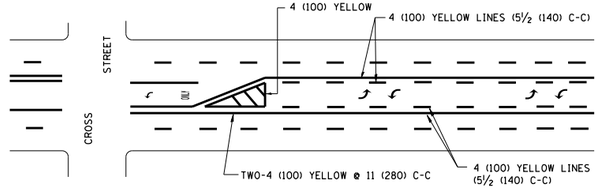
4' (1.2 m) WIDE MEDIANS ONLY



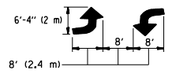
FOR MEDIAN LENGTHS WHERE DIAGONAL SPACING CANNOT BE ATTAINED, USE 5 (FIVE) EQUALLY SPACED DIAGONAL LINES.

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

MEDIANS OVER 4' (1.2 m) WIDE

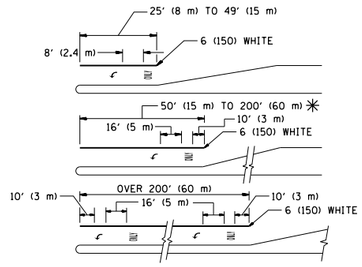


A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.



MEDIAN WITH TWO–WAY LEFT TURN LANE

TYPICAL PAINTED MEDIAN MARKING

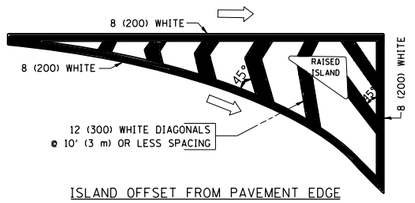


FULL SIZE LETTERS 8' (2,4 m) AND ARROWS SHALL BE USED.
↰ AREA = 15.6 SQ. FT. (1.5 m^2) **ONLY** AREA = 20.8 SQ. FT. (1.9 m^2)

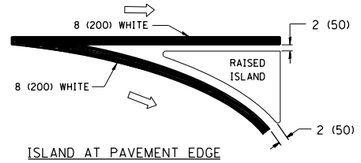
✳ TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING

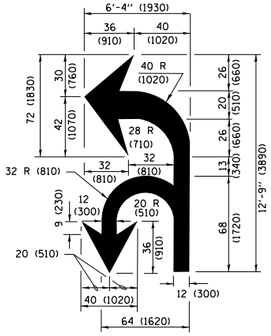


ISLAND OFFSET FROM PAVEMENT EDGE

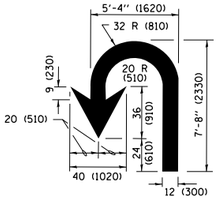


ISLAND AT PAVEMENT EDGE

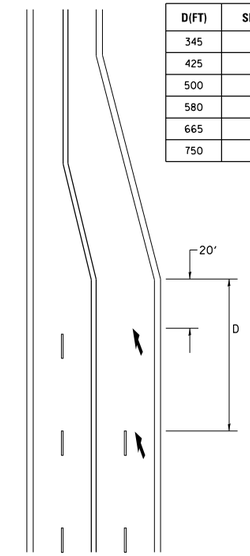
TYPICAL ISLAND MARKING



COMBINATION LEFT AND U–TURN



U–TURN



LANE REDUCTION TRANSITION

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

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

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING /REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 ⌀ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES: FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 ⌀ 4 (100)	SOLID SOLID	YELLOW YELLOW	5½ (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1.8 m) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MEDIANS IN YELLOW
TURN LANE MARKINGS	6 (150) LINE; FULL SIZE LETTERS & SYMBOLS (8' (2.4m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 ⌀ 4 (100) EACH DIRECTION 8' (2.4m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 5½ (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 ⌀ 6 (150) 12 (300) ⌀ 45° 12 (300) ⌀ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT. OTHERWISE, PLACE AT DESIRED STOPPING POINT. PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE
PAINTED MEDIANS	2 ⌀ 4 (100) WITH 12 (300) DIAGONALS ⌀ 45° NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS	SOLID	YELLOW: TWO WAY TRAFFIC WHITE: ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
GORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS ⌀ 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h)) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES; "RR" IS 6' (1.8 m) LETTERS; 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "R"=3.6 SQ. FT. (0.33 m^2) EACH "X"=54.0 SQ. FT. (5.0 m^2)
SHOULDER DIAGONALS (REQUIRED FOR SHOULDERS ≥ 8')	12 (300) ⌀ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (OVER 45MPH (70 km/h))
U TURN ARROW	SEE DETAIL	SOLID	WHITE	16.3 SF
2 ARROW COMBINATION LEFT AND U TURN	SEE DETAIL	SOLID	WHITE	30.4 SF

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

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

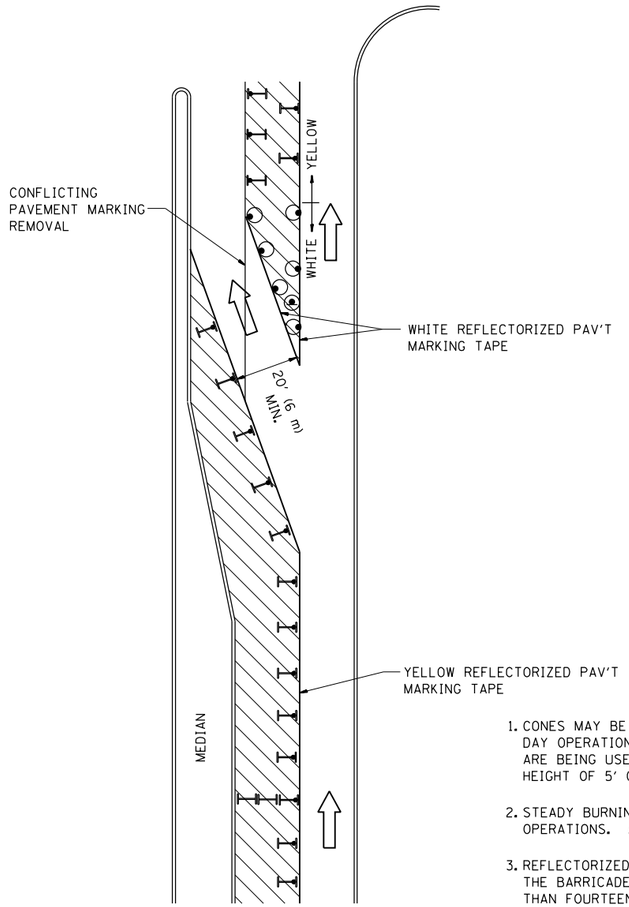
FILE NAME = pw:\\IL084EBIDINTEG.illinois.gov:PWIDOT\Documents\IDOT Offices\District 1\Projects\D1603DRAWN\Data\Design\DistStd.dgn Default	USER NAME = PencePL	DESIGNED - EVERS	REVISED - T. RAMMACHER 10-27-94
			REVISED - C. JUCIUS 09-09-09
	PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED - C. JUCIUS 07-01-13
	PLOT DATE = 12/23/2015	DATE - 03-19-90	REVISED - C. JUCIUS 12-21-15

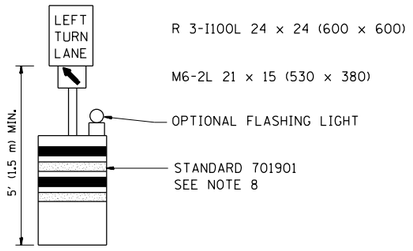
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
TYPICAL PAVEMENT MARKINGS

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
541	(X-J-C)R-1	LAKE	56	46
	TC–13	CONTRACT NO. 62B73		
	ILLINOIS FED. AID PROJECT			





GENERAL NOTES

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

LEGEND

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

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

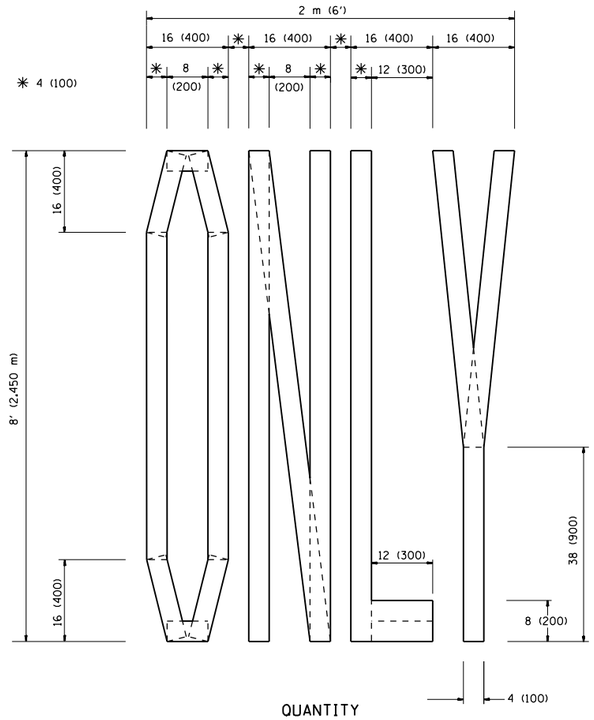
FILE NAME = pw:\\IL084EBIDINTEG.illinois.gov:PWIDOT\Documents\IDOT Offices\District 1\Projects\D1603RevisedDa\Design\HOUSEH	USER NAME = PencePL	REVISED -T. RAMMACHER 09-08-94	REVISED - R. BORO 09-14-09
		REVISED - A. HOUSEH 11-07-95	REVISED -
	PLOT SCALE = 100.0000 '/ in.	REVISED - A. HOUSEH 10-12-96	REVISED -
	PLOT DATE = 12/23/2015	REVISED -T. RAMMACHER 01-06-00	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

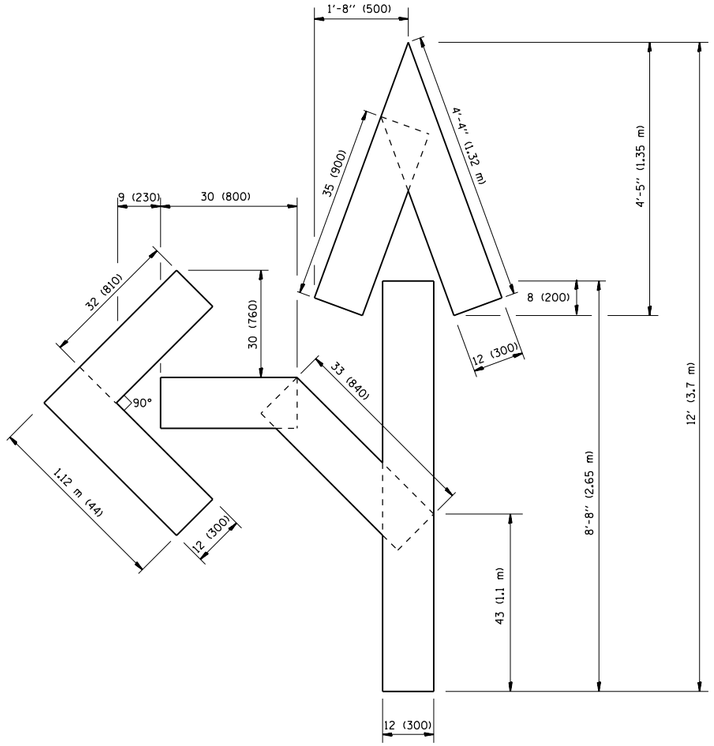
TRAFFIC CONTROL AND PROTECTION AT TURN BAYS
(TO REMAIN OPEN TO TRAFFIC)

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

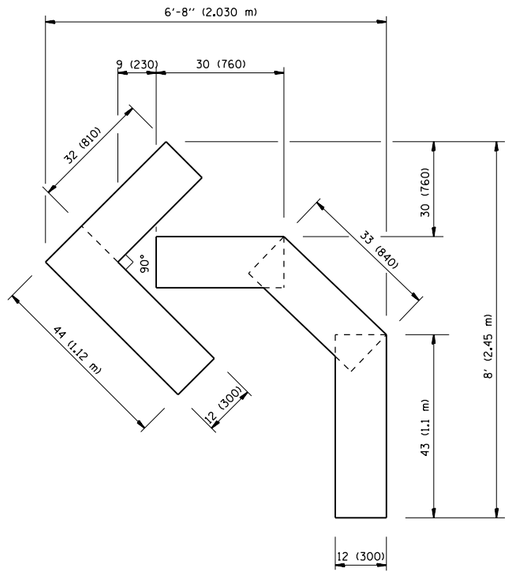
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
541	(X-J-C)R-1	LAKE	56	47
	TC-14	CONTRACT NO. 62B73		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



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



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



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

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

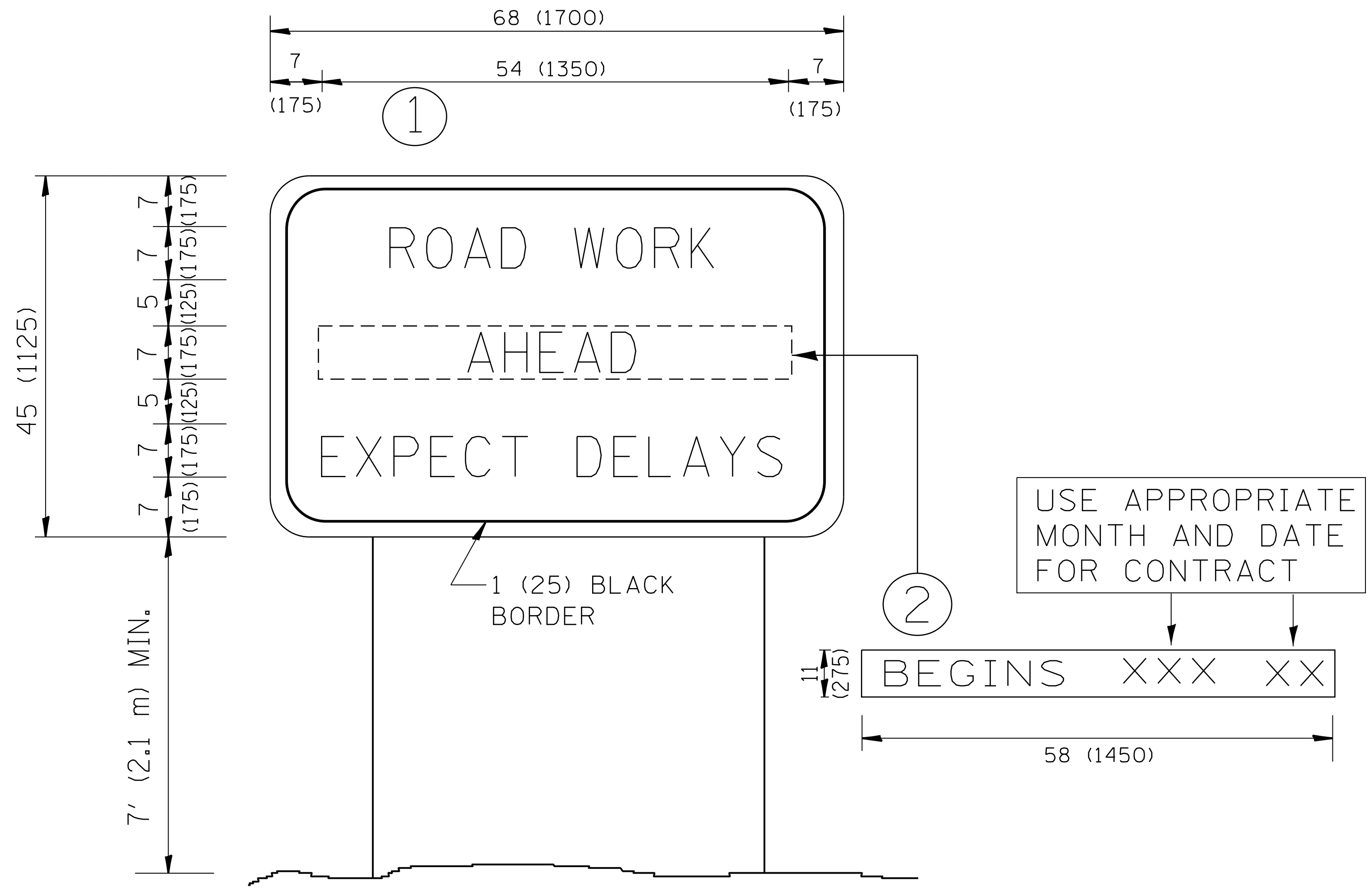
FILE NAME = pw:\\IL084EBIDINTEG.illinois.gov:PWIDOT\Documents\IDOT Offices\District 1\Projects\D1603\DRAWINGS\Data\Design\DistStd.dgn	USER NAME = PencePL	DESIGNED -	REVISED -T. RAMMACHER 06-05-96
			REVISED -T. RAMMACHER 11-04-97
	PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -T. RAMMACHER 03-02-98
	PLOT DATE = 12/23/2015	DATE - 09-18-94	REVISED -E. GOMEZ 08-28-00

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING LETTERS AND SYMBOLS FOR TRAFFIC STAGING

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
541	(X-J-C)R-1	LAKE	56	48
	TC-16	CONTRACT NO. 62B73		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

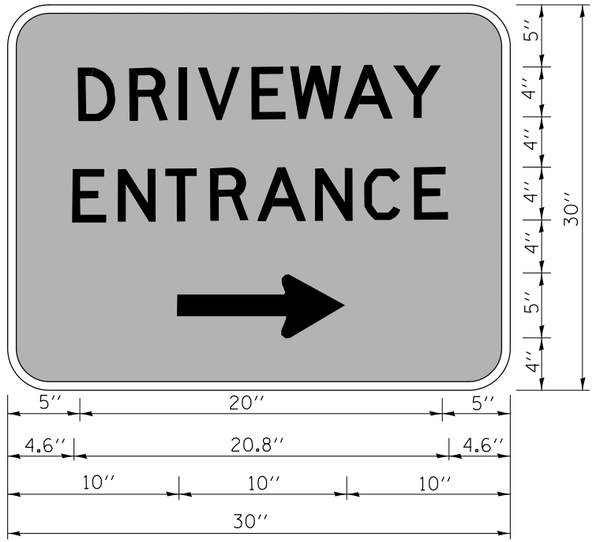


NOTES:

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

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

FILE NAME = pw:\\IL084EBIDINTEG.illinois.gov:PWIDOT\Documents\IDOT Offices\District 1\Projects\D1603...\Data\Design\DistStd.dgn	USER NAME = PencePL	DESIGNED -	REVISED - R. MIRS 09-15-97	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ARTERIAL ROAD INFORMATION SIGN	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN	REVISED - R. MIRS 12-11-97			541	(X-J-C)R-1	LAKE	56	49
	PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -T. RAMMACHER 02-02-99				TC-22	CONTRACT NO. 62B73		
	PLOT DATE = 12/23/2015	DATE -	REVISED - C. JUCIUS 01-31-07		SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.	FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



3.0'' RADIUS, 0.5'' BORDER, WHITE ON GREEN; REFLECTORIZED
''DRIVEWAY'' D; ''ENTRANCE'' D; STANDARD ARROW CUSTOM 12.0'' x 5.0''

NOTES:

1. HALF OF THE SIGNS WILL REQUIRE A LEFT HAND FACING ARROW.
2. TWO SIGNS SHALL BE USED AT EACH COMMERCIAL ENTRANCE PLACED BACK-TO-BACK; ONE WITH A RIGHT HAND ARROW (SHOWN) SHALL BE PLACED ON THE NEAR RIGHT SIDE THE DRIVEWAY AND ONE WITH A LEFT HAND ARROW SHALL BE PLACED ON THE FAR LEFT SIDE OF THE DRIVEWAY.
3. SIGNS TO BE PAID FOR AS ITEM ''TEMPORARY INFORMATION SIGNING''.

FILE NAME = pw:\\IL084EBIDINTEG.illinois.gov:PWIDOT\Documents\IDOT Offices\District 1\Projects\D1603DRWN\Data\Design\DistStd.dgn	USER NAME = PencePL	DESIGNED -	REVISED - C. JUCIUS 02-15-07
			REVISED -
	PLOT SCALE = 100.0000 '/ in.	CHECKED -	REVISED -
	PLOT DATE = 12/23/2015	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRIVEWAY ENTRANCE SIGNING

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
541	(X-J-C)R-1	LAKE	56	50
	TC-26	CONTRACT NO. 62B73		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

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

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

FILE NAME = pw:\\IL084EBIDINTEG.illinois.gov:PWIDOT\Documents\IDOT Offices\District 1\Projects\D1B0310\CAD\Design\D1B0310-sht_xssht-IL132.dgn

USER NAME = PencePL

PLOT SCALE = 20.0000 ' / in.

PLOT DATE = 12/23/2015

Default

DESIGNED - DRAWN -

CHECKED -

DATE -

REVISED -

REVISED -

REVISED -

REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 132 (FERNDALE ST. TO ESTES ST)
CROSS SECTIONS

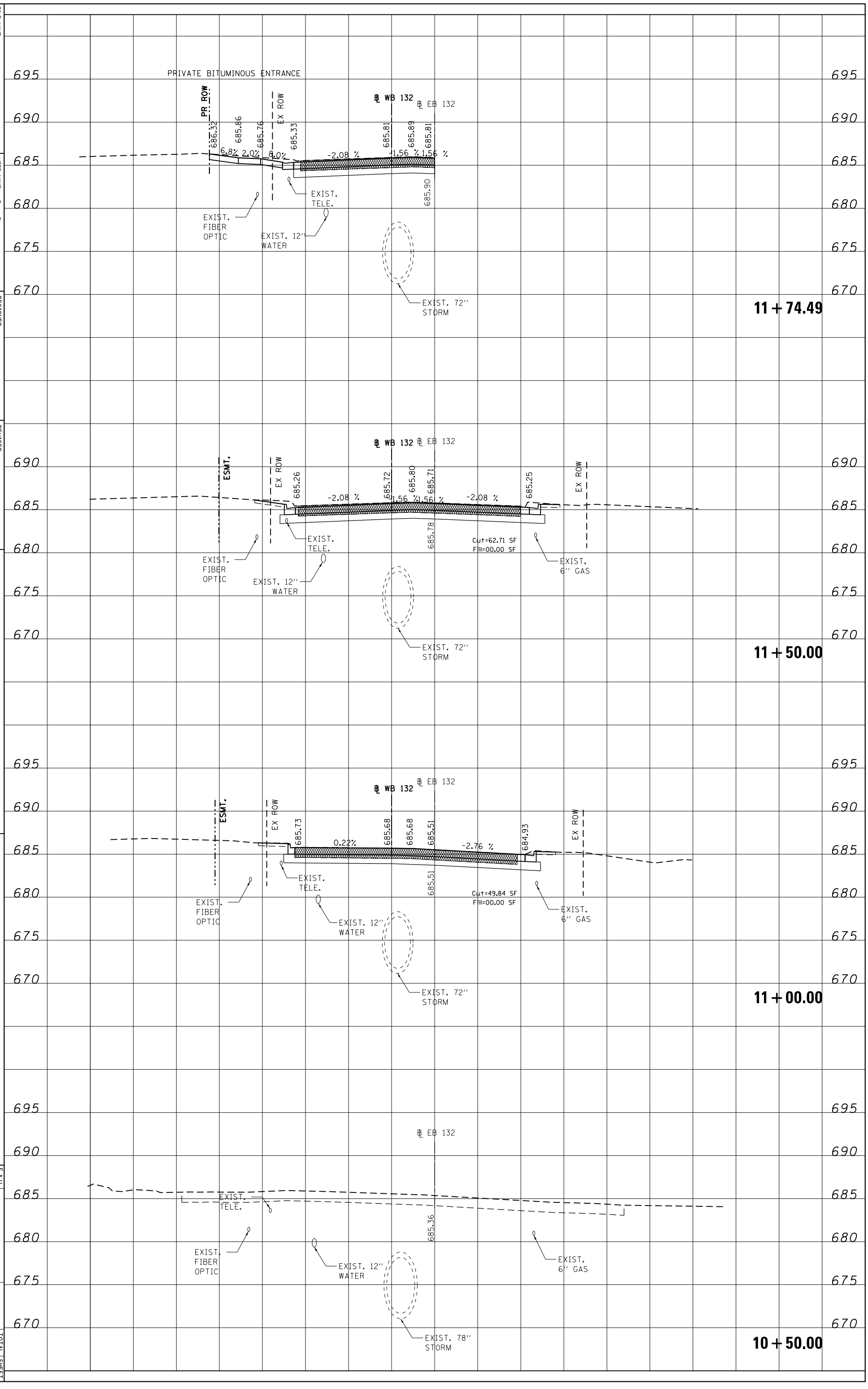
SCALE:

SHEET OF SHEETS STA. 10+50 TO STA. 11+74.49

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1218	(X-J-CIR-1	LAKE	56	51

ILLINOIS FED. AID PROJECT

CONTRACT NO. 62B73



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

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

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USER NAME = PencePL

PLOT SCALE = 20.0000 ' / in.

PLOT DATE = 12/23/2015

Default

DESIGNED - DRAWN -

CHECKED -

DATE -

REVISED -

REVISED -

REVISED -

REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 132 (FERNDALE ST. TO ESTES ST)
CROSS SECTIONS

SCALE:

SHEET OF SHEETS STA. 12+00 TO STA. 13+39.68

F.A.U. RTE. 1218

SECTION (X-J-CIR-1)

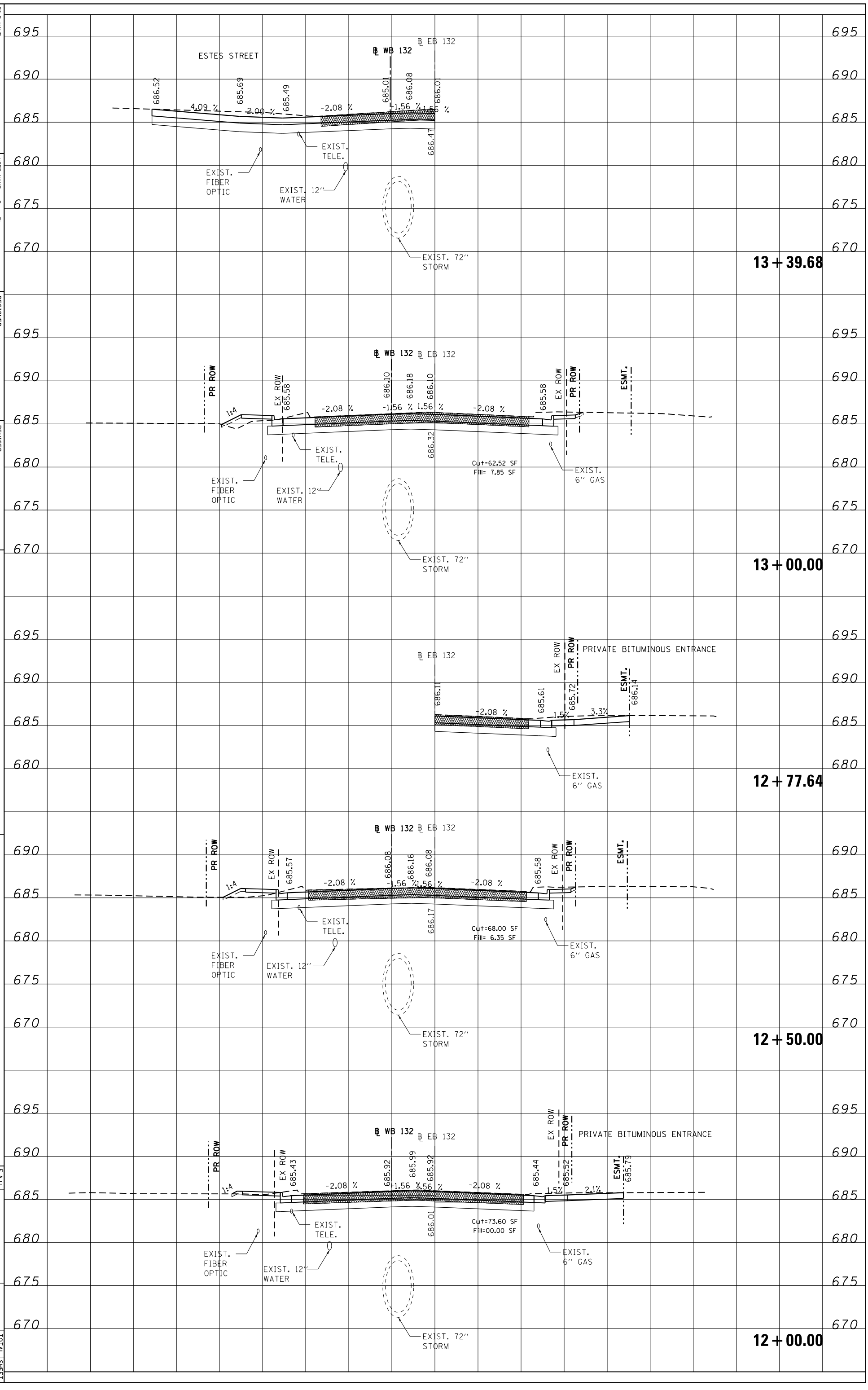
COUNTY LAKE

TOTAL SHEETS 56

SHEET NO. 52

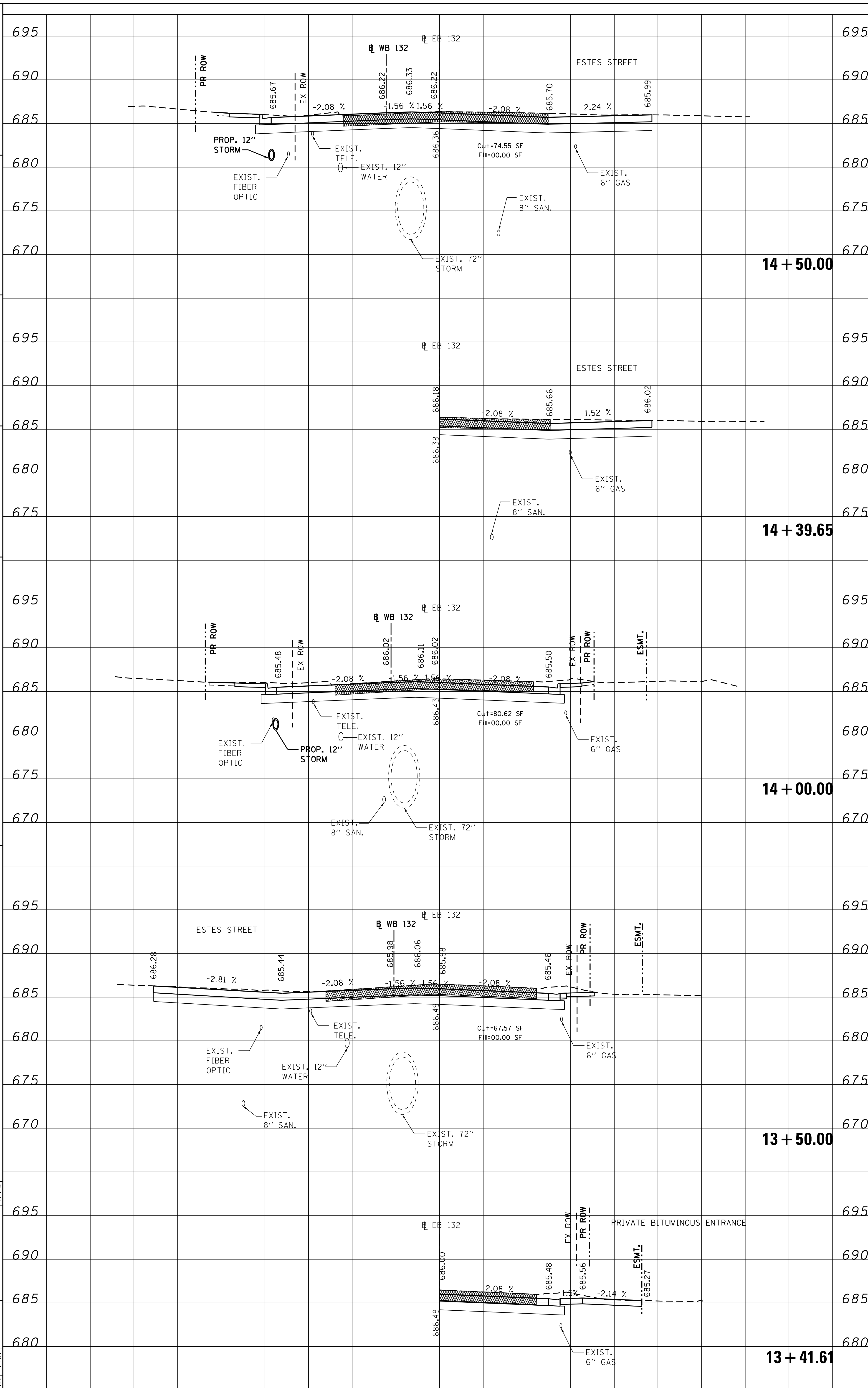
ILLINOIS FED. AID PROJECT

CONTRACT NO. 62B73



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

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



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USER NAME = PencePL

PLOT SCALE = 20.0000 ' / in.

PLOT DATE = 12/23/2015

DESIGNED -
DRAWN -
CHECKED -
DATE -

REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 132 (FERNDALE ST. TO ESTES ST)
CROSS SECTIONS

SCALE: | SHEET OF SHEETS | STA. 13+41.61 TO STA. 14+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1218	(X-J-C)R-1	LAKE	56	53

CONTRACT NO. 62B73

ILLINOIS | FED. AID PROJECT

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

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

Default

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USER NAME = PencePL

PLOT SCALE = 20.0000 ' / in.

PLOT DATE = 12/23/2015

DESIGNED -

DRAWN -

CHECKED -

DATE -

REVISED -

REVISED -

REVISED -

REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 132 (FERNDALE ST. TO ESTES ST)
CROSS SECTIONS

SCALE:

SHEET OF SHEETS

STA. 15+00 TO STA. 16+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1218	(X-J-CIR-1	LAKE	56	54

ILLINOIS FED. AID PROJECT

CONTRACT NO. 62B73

GREENVIEW STREET

℄ WB 132

℄ EB 132

EX ROW

EXIST. TELE.

EXIST. FIBER OPTIC

EXIST. 12" WATER

EXIST. 72" STORM

EXIST. 8" SAN.

EXIST. 6" GAS

Cut=49.84 SF
Fill=00.00 SF

16 + 50.00

690 685 680 675 670

PR ROW

PROP. 12" STORM

Cut=2.94 SF
Fill=00.00 SF

16 + 00.00

695 690 685 680 675 670

Cut=7.000 SF
Fill=00.00 SF

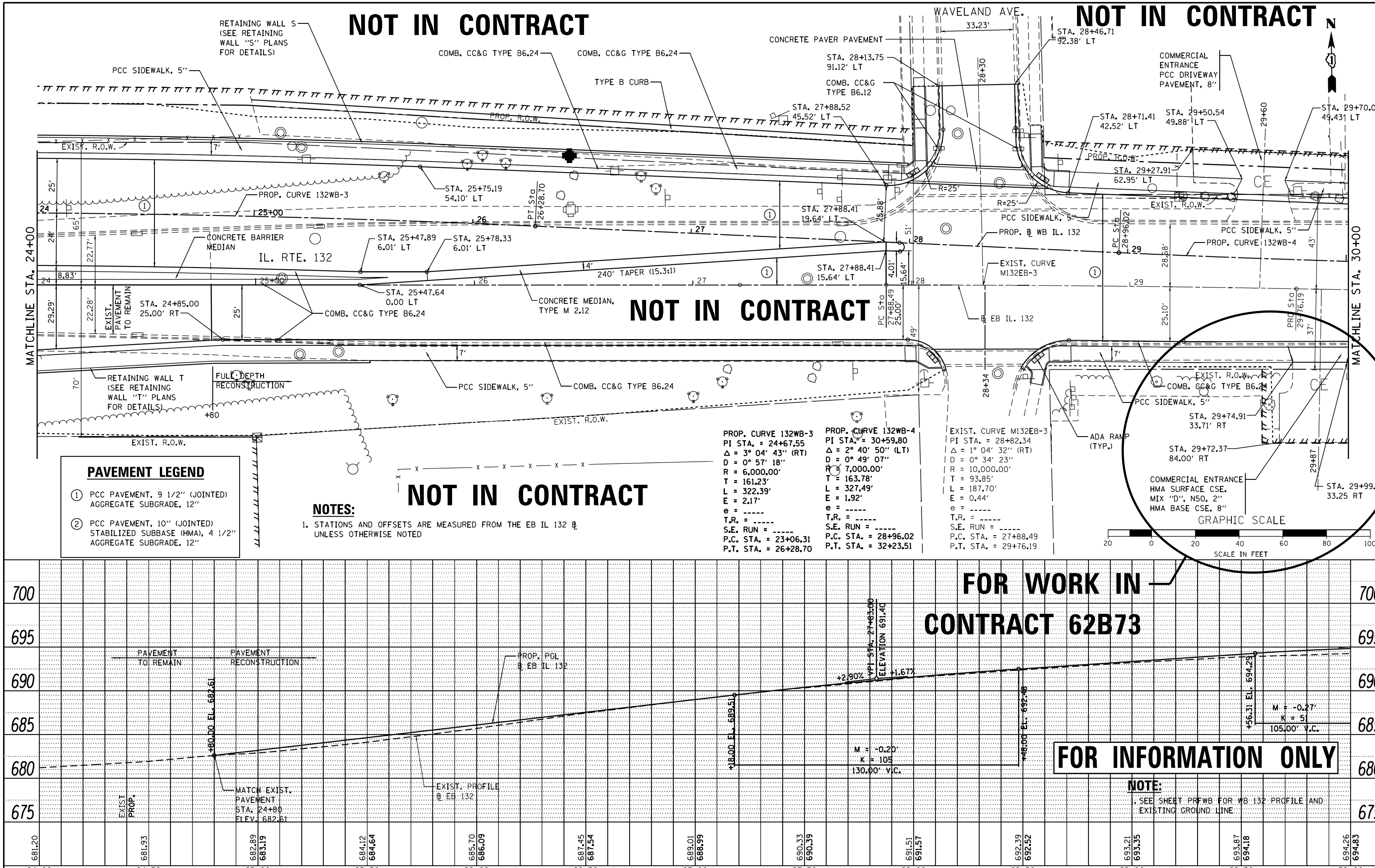
15 + 50.00

695 690 685 680 675 670

Cut=14.44 SF
Fill=00.06 SF

15 + 00.00

695 690 685 680 675 670


NOT IN CONTRACT
WAVELAND AVE.
NOT IN CONTRACT
RETAINING WALL S (SEE RETAINING WALL "S" PLANS FOR DETAILS)
PCC SIDEWALK, 5"
COMB. CC&G TYPE B6.24
TYPE B CURB
CONCRETE PAVER PAVEMENT
STA. 28+46.71 92.38' LT
STA. 28+13.75 91.12' LT
COMB. CC&G TYPE B6.12
STA. 27+88.52 45.52' LT
COMMERCIAL ENTRANCE PCC DRIVEWAY PAVEMENT, 8"
STA. 28+71.41 42.52' LT
STA. 29+50.54 49.88' LT
STA. 29+70.06 49.43' LT
STA. 29+27.91 62.95' LT
PROP. R.O.W.
EXIST. R.O.W.
STA. 25+75.19 54.10' LT
PROP. CURVE 132WB-3
STA. 27+88.41 19.64' LT
R=25'
PCC SIDEWALK, 5"
PROP. ℄ WB IL. 132
PROP. CURVE 132WB-4
CONCRETE BARRIER MEDIAN
IL. RTE. 132
STA. 25+47.89 6.01' LT
STA. 25+78.33 6.01' LT
240' TAPER (15.3:1)
STA. 27+88.41 15.64' LT
EXIST. CURVE M132EB-3
MATCHLINE STA. 24+00
MATCHLINE STA. 30+00
STA. 24+85.00 25.00' RT
EXIST. PAVEMENT TO REMAIN
STA. 25+47.64 0.00 LT
COMB. CC&G TYPE B6.24
CONCRETE MEDIAN, TYPE M 2.12
NOT IN CONTRACT
℄ EB IL. 132
RETAINING WALL T (SEE RETAINING WALL "T" PLANS FOR DETAILS)
FULL DEPTH RECONSTRUCTION
EXIST. R.O.W.
ADA RAMP (TYP.)
COMB. CC&G TYPE B6.24
PCC SIDEWALK, 5"
STA. 29+74.91 33.71' RT
STA. 29+72.37 84.00' RT
COMMERCIAL ENTRANCE HMA SURFACE CSE. MIX "D", N50, 2" HMA BASE CSE, 8"
STA. 29+99.68 33.25 RT
GRAPHIC SCALE
SCALE IN FEET
NOT IN CONTRACT
FOR WORK IN CONTRACT 62B73
PAVEMENT TO REMAIN
PAVEMENT RECONSTRUCTION
PROP. PGL ℄ EB IL 132
VPI STA. 27+83.00 ELEVATION 691.40
+2.90%
+1.67%
+80.00 EL. 682.61
+18.00 EL. 689.51
+48.00 EL. 692.48
+56.31 EL. 694.29
M = -0.20' K = 105 130.00' V.C.
M = -0.27' K = 51 105.00' V.C.
MATCH EXIST. PAVEMENT STA. 24+80 ELEV. 682.61
EXIST. PROFILE ℄ EB 132
FOR INFORMATION ONLY
NOTE:
SEE SHEET PRFWB FOR WB 132 PROFILE AND EXISTING GROUND LINE
EXIST. PROP.
681.20 681.93 682.89 683.19 684.12 684.64 685.70 686.09 687.45 687.54 689.01 688.99 690.33 690.39 691.51 691.57 692.39 692.52 693.21 693.35 693.87 694.18 694.26 694.83
24+00 24+50 25+00 25+50 26+00 26+50 27+00 27+50 28+00 28+50 29+00 29+50 30+00

PAVEMENT LEGEND

1. PCC PAVEMENT, 9 1/2" (JOINTED) AGGREGATE SUBGRADE, 12"
2. PCC PAVEMENT, 10" (JOINTED) STABILIZED SUBBASE (HMA), 4 1/2" AGGREGATE SUBGRADE, 12"

NOTES:

1. STATIONS AND OFFSETS ARE MEASURED FROM THE EB IL 132 ℄ UNLESS OTHERWISE NOTED

PROP. CURVE 132WB-3	PROP. CURVE 132WB-4	EXIST. CURVE M132EB-3
PI STA. = 24+67.55	PI STA. = 30+59.80	PI STA. = 28+82.34
Δ = 3° 04' 43" (RT)	Δ = 2° 40' 50" (LT)	Δ = 1° 04' 32" (RT)
D = 0° 57' 18"	D = 0° 49' 07"	D = 0° 34' 23"
R = 6,000.00'	R = 7,000.00'	R = 10,000.00'
T = 161.23'	T = 163.78'	T = 93.85'
L = 322.39'	L = 327.49'	L = 187.70'
E = 2.17'	E = 1.92'	E = 0.44'
e = -----	e = -----	e = -----
T.R. = -----	T.R. = -----	T.R. = -----
S.E. RUN = -----	S.E. RUN = -----	S.E. RUN = -----
P.C. STA. = 23+06.31	P.C. STA. = 28+96.02	P.C. STA. = 27+88.49
P.T. STA. = 26+28.70	P.T. STA. = 32+23.51	P.T. STA. = 29+76.19

FILE NAME = ...\Temp\D1_IL132_SHT_PLNPRF5.dgn USER NAME = aafitzpatrick
HOH — HARRY O. HEFTER ASSOCIATES, INC. DESIGN AND CONSULTING ENGINEERS, 55 East Jackson Blvd., Suite 600 Chicago, Illinois 60604, 312/346-8931 — PROJECT NUMBER 3366
PLOT SCALE = 40.0000 ' / in. PLOT DATE = 12/22/2015

DESIGNED - AAF	REVISED -
DRAWN - AAF	REVISED -
CHECKED - BAP	REVISED -
DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

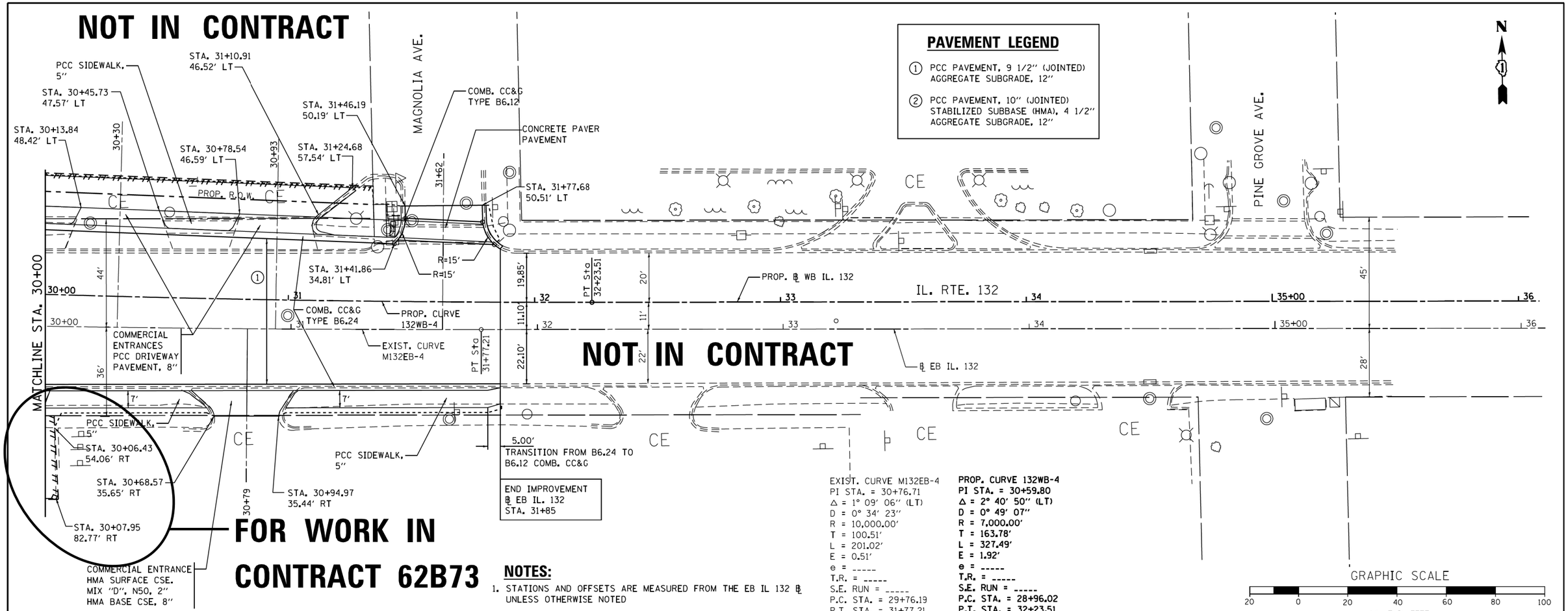
ILLINOIS ROUTE 132
PLAN AND PROFILE

SCALE: 1"=20' (H) 1"=5' (V) | SHEET NO. 5 OF 7 SHEETS | STA. 24+00 TO STA. 30+00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
346	125X-N&J-SB-B	LAKE		

CONTRACT NO. 60K80
ILLINOIS FED. AID PROJECT

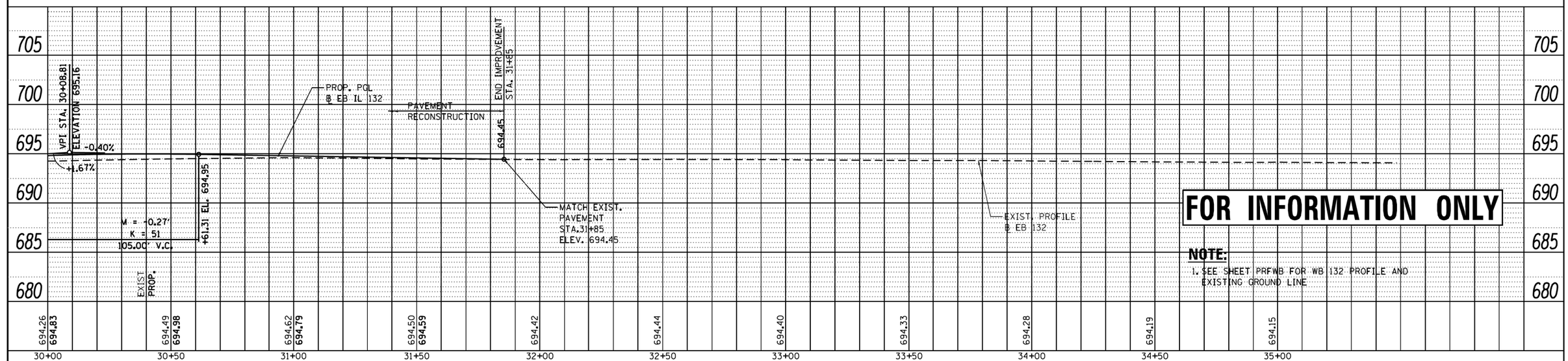
NOT IN CONTRACT



FOR WORK IN CONTRACT 62B73

NOTES:

1. STATIONS AND OFFSETS ARE MEASURED FROM THE EB IL 132 ℄ UNLESS OTHERWISE NOTED



FOR INFORMATION ONLY

NOTE:

1. SEE SHEET PRFWB FOR WB 132 PROFILE AND EXISTING GROUND LINE

FILE NAME = ...\Temp\D1_IL132_SHT_PLNPRF6.dgn	USER NAME = eafitzpatrick	DESIGNED - AAF	REVISED -
HOH HARRY G. HOFFER ASSOCIATES, INC. DESIGN AND CONSULTING ENGINEERS 55 East Jackson Blvd., Suite 600 Chicago, Illinois 60604 312/346-1833 PROJECT NUMBER 3366		DRAWN - AAF	REVISED -
	PLOT SCALE = 40.0000 ' / in.	CHECKED - BAP	REVISED -
	PLOT DATE = 12/22/2015	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ILLINOIS ROUTE 132
PLAN AND PROFILE

SCALE: 1"=20' (H) 1"=5' (V) | SHEET NO. 6 OF 7 SHEETS | STA. 30+00 TO STA. 36+00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
346	125X-N&J-SB-B	LAKE		
		CONTRACT NO. 60K80		
	ILLINOIS FED. AID PROJECT			