

CONSULTANT ENGINEER: KRISTIN R. KALITOWSKI, P.E. CIVILTECH ENGINEERING, INC.

FEDERAL AID PROGRAM ENGINEER: CARMEN E. RAMOS, P.E. SCHAUMBURG, IL

03-05-20 21 LETTING ITEM 148

FOR INDEX OF SHEETS, SEE SHEET NO. 2
PROJECT LOCATED IN THE CITY OF DES PLAINES

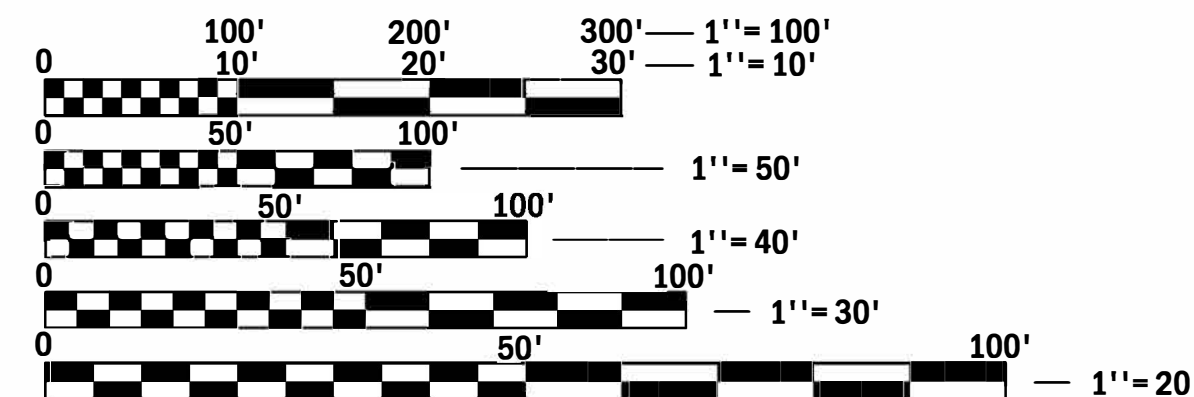
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

**PLANS FOR PROPOSED
FEDERAL AID HIGHWAY**
U.S. ROUTE 12 (RAND ROAD) (FAP 334, FAU 3523)
SECTION 14-00221-00-BT
RAND ROAD SIDEPATH
CENTRAL ROAD TO ELK BOULEVARD
PROJECT NUMBER QTU0(998)
CITY OF DES PLAINES
COOK COUNTY
JOB NUMBER C-91-126-16

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	14-00221-00-BT	COOK	156	1
CONTRACT NO. 61G57				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



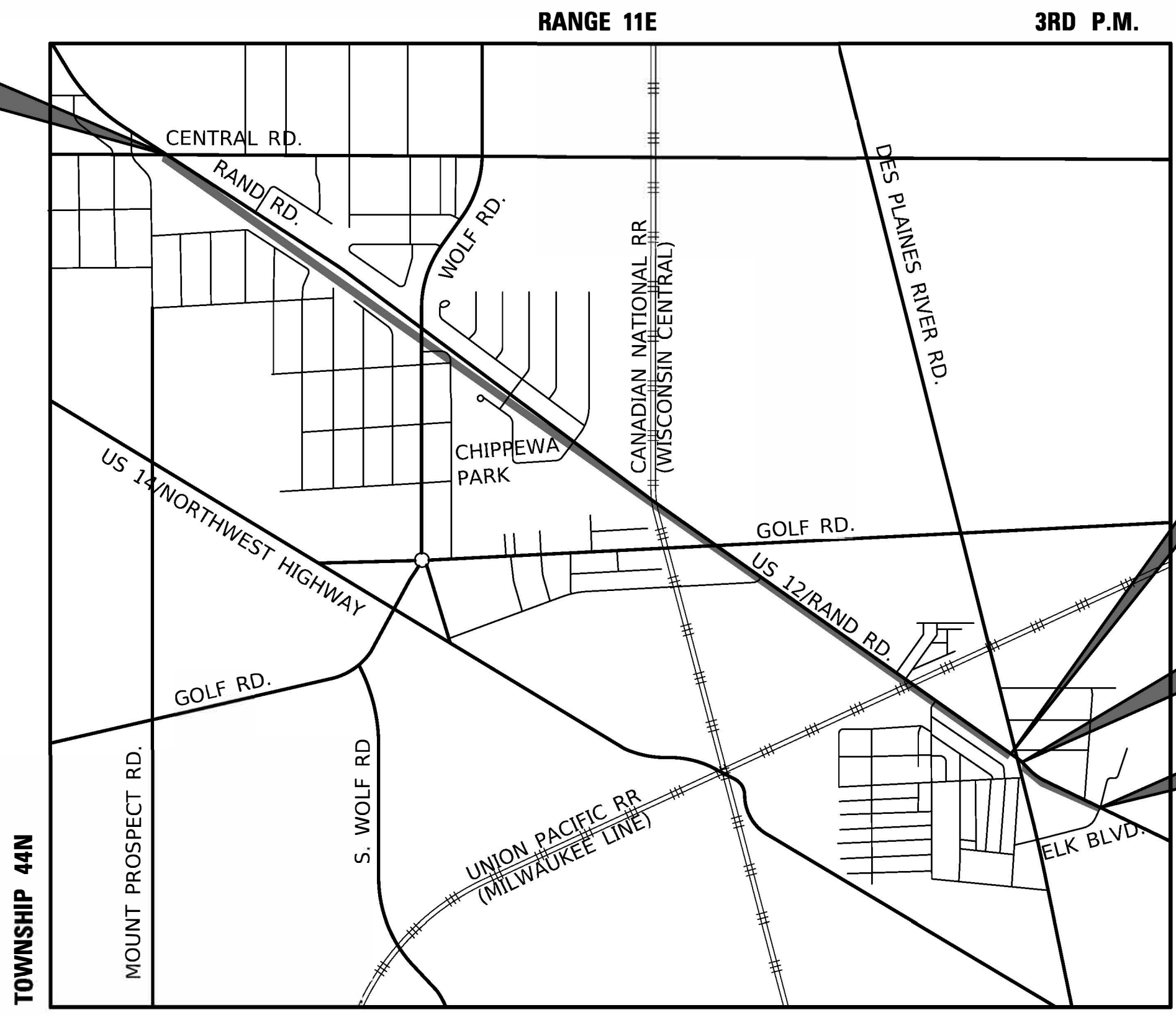
US ROUTE 12 / RAND ROAD
DESIGN DESIGNATION = PRINCIPAL/MINOR ARTERIAL
POSTED SPEED = 40 MPH
ADT (2013) = 22,500



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

START OF RAND ROAD SIDEPATH WEST
STA 100 + 03.7



LOCATION MAP
NOT TO SCALE

END OF RAND ROAD SIDEPATH WEST
STA 214 + 46.2

START OF RAND ROAD SIDEPATH EAST
STA 401 + 50.0

END OF RAND ROAD SIDEPATH EAST
STA 409 + 36.6

APPLIES TO SHEETS 84 - 99

Joseph J. Emery
052-057496
LICENSED PROFESSIONAL ENGINEER OF ILLINOIS
REGISTERED P.E., STATE OF ILLINOIS EXPIRES 11/30/2021

APPLIES TO SHEETS 1 - 83
109 - 156

Kristin R. Kalitowski
062-059477
LICENSED PROFESSIONAL ENGINEER OF ILLINOIS
REGISTERED P.E., STATE OF ILLINOIS EXPIRES 11/30/2021

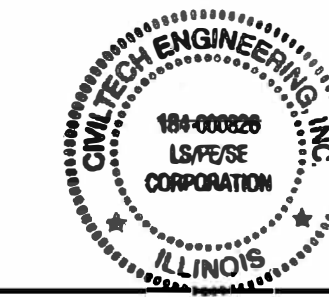
APPLIES TO SHEETS 100 - 108

Derek N. Mall
052-051558
LICENSED PROFESSIONAL ENGINEER OF ILLINOIS
REGISTERED P.E., STATE OF ILLINOIS EXPIRES 11/30/2021

CONTRACT NO. 61G57

PROJECT LENGTH:
RAND ROAD SIDEPATH WEST 11,442.5'
RAND ROAD SIDEPATH EAST 786.6'
TOTAL LENGTH OF THE IMPROVEMENT 12,229.1' (2.316 Miles)

GROSS & NET
11,442.5'
786.6'



PLANS PREPARED BY: *[Signature]*

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GENERAL NOTES

- 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. FOR CITY OF DES PLAINES UTILITY LOCATIONS THE CONTRACTOR SHALL CALL THE CITY OF DES PLAINES PUBLIC WORKS DEPARTMENT AT 847-391-5460 48 HOUR NOTIFICATION IS REQUIRED. THE CONTRACTOR SHALL CONTACT THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR VIA E-MAIL AT KALPANA.KANNAN-HOSADURGA@ILLINOIS.GOV A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
- POLLUTION CONTROL: THE CONTRACTOR SHALL BE REQUIRED TO COMPLY WITH STATE REGULATIONS REGARDING AIR, WATER AND NOISE POLLUTION.
- THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING DRAINAGE THROUGHOUT THE CONSTRUCTION OF THIS PROJECT.
- 10 FOOT TRANSITIONS SHALL BE USED TO MATCH PROPOSED CURB AND GUTTER AND MEDIAN ITEMS OF WORK TO EXISTING CURB AND GUTTER AND MEDIAN ITEMS IN THE FIELD UNLESS OTHERWISE SHOWN. ALL PAVEMENT STUBS SHALL BE 2 FEET.
- THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS, AS REQUIRED, PRIOR TO COMMENCING WITH CONSTRUCTION, A NPDES PERMIT IS REQUIRED FOR THIS PROJECT.
- THE CONTRACTOR SHALL NOTIFY PACE'S TRANSPORTATION ENGINEER AT 847-228-3584 AT LEAST 10 DAYS PRIOR TO THE START OF CONSTRUCTION AND ANY TRAFFIC CONTROL AND PROTECTION STAGE CHANGES.
- ALL JOINTS ON THE PROPOSED SIDE PATH SHALL BE SAWED. TOOLED JOINTS WILL NOT BE ALLOWED ON THE PROPOSED SIDE PATH.
- ALL DEPRESSED CURB AND GUTTER AT DRIVEWAY AND INTERSECTION CURB RAMPS SHALL BE CONSTRUCTED ACCORDING TO THE "DEPRESSED CURB ADJACENT TO CURB RAMP ACCESSIBLE TO THE DISABLED" ON IDOT STANDARD 606001.
- AGGREGATE SUBGRADE IMPROVEMENT (ASI) HAS BEEN PROVIDED AT THE LOCATIONS INDICATED FOR SOILS WHICH TEND TO BE UNSTABLE WHEN WET. THE ACTUAL NEED FOR REMOVAL AND REPLACEMENT WITH ASI WILL BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION BY THE ENGINEER (BY USE OF A CONE PENETROMETER IN CONJUNCTION WITH THE IDOT SUBGRADE STABILITY MANUAL). IF UNSTABLE SOILS ARE ENCOUNTERED, THE SOILS SHOULD BE REMOVED AND REPLACED WITH ASI. IF UNSTABLE SOIL IS NOT ENCOUNTERED, THEN THE QUANTITY WILL BE DEDUCTED AND NO ADDITIONAL COMPENSATION WILL BE DUE TO THE CONTRACTOR.
- STORM SEWERS SHALL CONFORM TO WATER MAIN REQUIREMENTS AT LOCATIONS WHERE LATERAL SEPARATION BETWEEN THE SEWER AND WATER MAIN IS LESS THAN 10 FT AND THE WATER MAIN INVERT IS LESS THAN 1.5 FT ABOVE THE STORM SEWER CROWN.
- TREE ROOT PRUNING SHALL BE PERFORMED ADJACENT TO SIDEWALK AND CURB INSTALLATION AND/OR REPLACEMENT.
- THE CONTRACTOR SHALL ENSURE THE TEMPORARY EROSION CONTROL MEASURES ARE IN PLACE IN THE CURRENT WORK AREA BEFORE MOVING TO A DIFFERENT WORK LOCATION AS SPECIFIED HEREIN AND AS DIRECTED BY THE ENGINEER.
- THE MAXIMUM DIFFERENCE IN PAVEMENT ELEVATIONS BETWEEN THE EXISTING AND PROPOSED PAVEMENT OPEN TO TRAFFIC DURING STAGING SHALL NOT EXCEED 2.5 INCHES.
- NO MATERIAL WILL BE ALLOWED TO BE STOCKPILED IN THE FLOODPLAIN.
- DURING CONSTRUCTION OPERATIONS, WHENEVER LOOSE MATERIAL IS DEPOSITED IN THE FLOW LINE OF GUTTERS, DRAINAGE STRUCTURES, DITCHES, ETC., SUCH THAT THE NATURAL FLOW LINE OF WATER IS OBSTRUCTED, THE LOOSE MATERIAL SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY. AT THE CONCLUSION OF THE CONSTRUCTION OPERATIONS, ALL DRAINAGE STRUCTURES AND FLOW LINES SHALL BE FREE FROM DIRT AND DEBRIS.
- LOCATIONS OF EXISTING UTILITIES SHOWN ON THE PLANS ARE FROM BEST AVAILABLE RECORD INFORMATION AND MUST BE FIELD VERIFIED BY THE CONTRACTOR. PLAN DIMENSIONS AND DETAILS RELATIVE TO EXISTING PLANS ARE SUBJECT TO ROUTINE VARIATIONS. THE CONTRACTOR SHALL FIELD VERIFY EXISTING DIMENSIONS AND DETAILS AFFECTING NEW CONSTRUCTION AND MAKE NECESSARY APPROVED ADJUSTMENTS PRIOR TO CONSTRUCTION OR ORDERING MATERIALS.
- THE CONTRACTOR SHALL PROTECT EXISTING AND NEW UTILITIES AND SHALL BRACE AND SUPPORT THE UTILITIES PROPERLY IN ORDER TO PREVENT SETTLEMENT, DISPLACEMENT, OR DAMAGE TO THE UTILITIES.
- EXISTING DRAINAGE STRUCTURE LOCATIONS AND INVERTS SHALL BE VERIFIED IN THE FIELD PRIOR TO INSTALLATION OF THE PROPOSED DRAINAGE ITEMS.
- INVERT ELEVATIONS FOR EXISTING PIPES HAVE BEEN SHOWN ON THE PLANS WHEN SURVEY INFORMATION WAS AVAILABLE. THE CONTRACTOR SHALL VERIFY THE INVERT ELEVATIONS FOR EXISTING PIPES IN THE FIELD AT THE TIME OF CONSTRUCTION AND SHALL NOTIFY THE ENGINEER OF ANY DISCREPANCIES.
- THE STATION, OFFSET, AND ELEVATION NOTED FOR DRAINAGE STRUCTURES LOCATED IN THE CURB LINE REFER TO THE POSITION OF THE ADJACENT PROPOSED EDGE OF PAVEMENT. ALL OTHER DRAINAGE STRUCTURES STATIONS AND OFFSETS ARE TO THE CENTER OF THE STRUCTURE.
- ANY FIELD TILE ENCOUNTERED SHALL BE CAREFULLY PRESERVED AND CONNECTED TO PROPOSED DRAINAGE STRUCTURES, SEWERS, OR DITCHES, AS DIRECTED BY THE ENGINEER. 25. ALL ABANDONED SEWER INVERTS SHALL BE PLUGGED WITH BRICK AND CLASS SI CONCRETE TO THE SATISFACTION OF THE ENGINEER.
- THE PAY ITEM FOR EXPLORATION TRENCH, SPECIAL HAS BEEN PROVIDED WITH A QUANTITY OF 500 FEET FOR PURPOSES OF LOCATING EXISTING UTILITY SYSTEMS.
- STATIONS, OFFSETS, AND ELEVATIONS ARE APPROXIMATE FOR PROPOSED DRAINAGE STRUCTURES ADJACENT TO THE EXISTING RETAINING WALL ON DES PLAINES RIVER ROAD BETWEEN STATIONS 212+13 TO 217+54 RIGHT. FINAL LOCATION AND ELEVATION SHALL MUST PROVIDE POSITIVE DRAINAGE AND SHALL BE DETERMINED BY THE ENGINEER.
- THE SUBGRADE STABILITY SHALL BE VERIFIED BY PROOF ROLLING WITH A FULLY LOADED TANDEM -AXLE TRUCK.
- ANY AGGREGATE SUBGRADE IMPROVEMENT CONTAMINATED AND/OR DAMAGED BY THE CONTRACTOR'S VEHICLES AND/OR EQUIPMENT'S IS TO BE REMOVED AND REPLACED AS DIRECTED BY THE ENGINEER AT THE CONTRACTOR'S EXPENSE.
- BACK FILLING STORM SEWER CONSTRUCTED UNDER THE ROADWAY SPECIFIED UNDER ART. 550.07(b, c) OF THE SSRBC WILL NOT BE ALLOWED.
- PIPE UNDERDRAINS SHALL BE INSTALLED ACCORDING TO SECTION 601 OF THE SSRBC AND STANDARD 601001-05. TOP OF PIPE UNDERDRAINS SHALL BE PLACED MINIMUM 6 INCHES BELOW THE AGGREGATE SUBGRADE IMPROVEMENT LAYER. THE COST OF MAKING PIPE UNDERDRAIN CONNECTIONS TO DRAINAGE STRUCTURES SHALL BE INCLUDED IN THE COST OF THE PIPE UNDERDRAINS.
- IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO COORDINATE WITH THE WCL/CN RAILROAD WHENEVER CONSTRUCTION ACTIVITY IS WITHIN 25 FEET OF THE WCL/CN RAILROAD ROW. THE CONTRACTOR SHALL RETAIN FLAGMEN EMPLOYED AND DESIGNATED BY THE WCL/CN RAILROAD TO MONITOR ON-COMING TRAIN TRAFFIC, AND ADVISE CONTRACTOR PERSONNEL WHEN ACTIVITY ON OR NEAR THE WCL/CN RAILROAD RIGHT-OF-WAY MAY PROCEED. THIS ITEM WILL BE PAID FOR ACCORDING TO ARTICLE 107.12 AND WILL BE REIMBURSED ACCORDING TO ARTICLE 109.05.
- A JUMPING JACK, WALK BEHIND VIBRATORY PLATE, OR SIMILAR EQUIPMENT SHALL BE USED TO COMPACT THE AGGREGATE BASE COURSE FOR THE SIDE PATH ALONG RAND ROAD WITHIN 25' OF NATURAL GAS AND PETROLEUM PIPELINES. ANY OTHER VIBRATORY EQUIPMENT SHALL NOT BE ALLOWED UNLESS SPECIFICALLY ALLOWED BY THE ADJACENT NATURAL GAS AND PETROLEUM PIPE LINE OWNERS.

COMMITMENTS

- A CONCURRENT IDOT PROJECT IS BEING CONSTRUCTED ALONG RIVER ROAD. THIS HAS BEEN LABELLED "IDOT RIVER ROAD IMPROVEMENTS OMISSION". CONSTRUCTION SUPERVISOR AND RESIDENT ENGINEERS FROM ALL FIRMS INVOLVED ARE EXPECTED TO COORDINATE STAGING, SCHEDULES, AND FINAL CONNECTION LOCATION.

MWRD NOTES

- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING MWRD FACILITIES FROM ALL CONSTRUCTION OPERATIONS AND EQUIPMENT.
- THE MWRD SHALL HAVE 24 HOUR-A-DAY UNRESTRICTED ACCESS TO ALL MWRD STRUCTURES/SEWERS/FACILITIES.
- NO DEBRIS SHALL ENTER MWRD STRUCTURES/SEWERS/FACILITIES/WATERWAYS.
- ALL ACCESS HATCHES/MANHOLE COVERS ON MWRD STRUCTURES/MANHOLES WITHIN THE PROJECT AREA SHALL NOT BE BURIED/COVERED.
- THE PERMITTEE/CO-PERMITTEE SHALL SUPPORT/PROTECT MWRD STRUCTURES/SEWERS/FACILITIES DURING EXCAVATIONS AND AT CROSSINGS
- MWRD MANHOLES SHALL BE LOCATED, PROTECTED AND/OR ADJUSTED TO GRADE, IF NECESSARY. AUTHORIZATION MAY BE OBTAINED BY CONTACTING MR. CEDRIC ROBERTSON, MANAGING ENGINEER AT (708) 588-3896.
- FOR ANY QUESTIONS REGARDING ACCESS TO MWRD FACILITY OR FIELD LOCATION, PLEASE CONTACT MR. PAUL SOBANSKI AT (708) 588-4080.
- MWRD'S MANHOLE FRAME AND LID ADJUSTMENT SHALL MEET OUR STANDARD DRAWING SPECIFICATION/PROCEDURE AS OUTLINED IN THE ATTACHED DRAWING/DETAIL ON SHEET 119 .
- MWRD DOES NOT ACCEPT THE USE OF ADJUSTMENT RINGS (OR RISER RINGS/LID RISERS) THAT SIT ON TOP OF MANHOLE FRAMES.
- THE DISTANCE BETWEEN THE TOP OF THE MANHOLE FRAME AND THE FIRST RUNG SHALL NOT EXCEED 24 INCHES.

IDOT HIGHWAY STANDARDS

000001-08	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
420001-09	PAVEMENT JOINTS
424001-11	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
424011-04	CORNER PARALLEL CURB RAMPS FOR SIDEWALKS
424016-05	MID-BLOCK CURB RAMPS FOR SIDEWALKS
424026-03	ENTRANCE / ALLEY PEDESTRIAN CROSSING
424031-02	MEDIAN PEDESTRIAN CROSSINGS
442101-09	CLASS B PATCHES
542301-03	PRECAST REINFORCED CONCRETE FLARED END SECTION
602011-02	CATCH BASIN TYPE C
602301-04	INLET - TYPE A
602306-03	INLET - TYPE B
602402-03	PRECAST MANHOLE TYPE A 5' DIAMETER
602601-06	PRECAST REINFORCED CONCRETE FLAT SLAB TOP
602701-02	MANHOLE STEPS
604001-05	FRAME AND LIDS TYPE 1
604036-03	GRATE TYPE 8
604051-04	FRAME AND GRATE TYPE 11
606001-07	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
606301-04	PC CONCRETE ISLANDS AND MEDIANS
701006-05	OFF-RD OPERATIONS, 2L, 2W, 15' TO 24' FROM PAVEMENT EDGE
701011-04	OFF-RD MOVING OPERATIONS, 2L, 2W, DAY ONLY
701101-05	OFF-RD OPERATIONS, MULTILANE, 15' TO 24' FROM PAVEMENT EDGE
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701311-03	LANE CLOSURE 2L, 2W MOVING OPERATIONS-DAY ONLY
701427-05	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPER., FOR SPEEDS ≤ 40 MPH
701601-09	URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NONTRAVERSABLE MEDIAN
701602-10	URBAN LANE CLOSURE, MULTILANE, 2W WITH BIDIRECTIONAL LEFT TURN LANE
701606-10	URBAN SINGLE LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-06	SIDEWALK CORNER OR CROSSWALK CLOSURE
701901-08	TRAFFIC CONTROL DEVICES
720001-01	SIGN PANEL MOUNTING DETAILS
720006-04	SIGN PANEL ERECTION DETAILS
728001-01	TELESCOPING STEEL SIGN SUPPORT
780001-05	TYPICAL PAVEMENT MARKINGS

IDOT DISTRICT ONE STANDARDS

BD-1	DRIVEWAY DETAILS - DISTANCE BETWEEN R.O.W. AND FACE OF CURB & EDGE OF SHOULDER ≥ 15'
BD-2	DRIVEWAY DETAILS - DISTANCE BETWEEN R.O.W. AND FACE OF CURB & EDGE OF SHOULDER < 15'
BD-7	DETAIL OF STORM SEWER CONNECTION TO EXISTING SEWER
BD-24	CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT
BE-300	LIGHT POLE FOUNDATION 30' TO 35' M.H. 1 1/2" BOLT CIRCLE
BE-702	MISC. ELECTRICAL DETAILS, SHEET A
BE-800	TEMPORARY LIGHT POLE DETAILS
TC-10	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS
TC-13	DISTRICT ONE TYPICAL PAVEMENT MARKINGS
TC-22	ARTERIAL ROAD INFORMATION SIGN
TC-26	DRIVEWAY ENTRANCE SIGNING

INDEX OF SHEETS

1	COVER SHEET
2	GENERAL NOTES, INDEX OF SHEETS AND STATE STANDARDS
3 - 7	SUMMARY OF QUANTITIES
8	TYPICAL SECTIONS
9	OVERALL LAYOUT PLAN
10 - 12	ALIGNMENT, TIES, AND BENCHMARKS
13 - 29	PLAT OF HIGHWAYS
30 - 51	RAND ROAD SIDEPATH WEST PLAN AND PROFILE
52 - 53	RAND ROAD SIDEPATH EAST PLAN AND PROFILE
54	MAINTENANCE OF TRAFFIC GENERAL NOTES
55	EROSION CONTROL AND LANDSCAPING GENERAL NOTES
56 - 60	EROSION CONTROL AND LANDSCAPING PLAN
61 - 62	FLOODPLAIN COMPENSATORY STORAGE TABLE
63	INTERSECTION GRADING PLAN RAND ROAD AND GRACELAND
64 - 75	ADA GRADING PLAN
76 - 80	PAVEMENT MARKING AND SIGNING
81 - 83	STRUCTURE PLANS
84 - 99	TRAFFIC SIGNAL PLANS
100 - 108	LIGHTING PLANS
109 - 119	CONSTRUCTION DETAILS
120 - 156	CROSS SECTIONS

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

PROFILE	SURVEYED	DATE
	PLOTTED	
	CHECKED	
	BY	
	STRUCTURE NOTATION CHKD	
	NOTE BOOK NO.	



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DESIGNED - BAS	REVISED - 02/01/2021
DRAWN - BAS	REVISED -
CHECKED - KRK	REVISED -
DATE - 12/28/2020	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

GENERAL NOTES, INDEX OF SHEETS AND LIST OF STATE AND LOCAL STANDARDS

SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	14-00221-00-BT	COOK	156	2
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61G57	


PLAN	DATE
NO.	
BY	
DATE	
SURVEYED	
ALIGNED	
NOTED	
CHECKED	
NO.	
BY	
DATE	

PROFILE	DATE
NO.	
BY	
DATE	
SURVEYED	
ALIGNED	
NOTED	
CHECKED	
NO.	
BY	
DATE	

CODE NUMBER	ITEM	UNIT	TOTAL QUANTITY	0028 ROADWAY	NON-PARTICIPATING
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	286	286	
20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	60	60	
20100500	TREE REMOVAL, ACRES	ACRE	0.07	0.07	
20101000	TEMPORARY FENCE	FOOT	440	440	
20101100	TREE TRUNK PROTECTION	EACH	11	11	
20101200	TREE ROOT PRUNING	EACH	11	11	
20101300	TREE PRUNING (1 TO 10 INCH DIAMETER)	EACH	10	10	
20101350	TREE PRUNING (OVER 10 INCH DIAMETER)	EACH	1	1	
20200100	EARTH EXCAVATION	CU YD	1,850	1,850	
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	875	875	
20400800	FURNISHED EXCAVATION	CU YD	195	195	
20800150	TRENCH BACKFILL	CU YD	192	192	
21101505	TOPSOIL EXCAVATION AND PLACEMENT	CU YD	3,218	3,218	
21101625	TOPSOIL FURNISH AND PLACE, 6"	SQ YD	50	50	
25000314	SEEDING, CLASS 4B	ACRE	0.25	0.25	
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	175	175	
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	175	175	

CODE NUMBER	ITEM	UNIT	TOTAL QUANTITY	0028 ROADWAY	NON-PARTICIPATING
25100115	MULCH, METHOD 2	ACRE	2.90	2.90	
25100630	EROSION CONTROL BLANKET	SQ YD	20	20	
25200110	SODDING, SALT TOLERANT	SQ YD	14,056	14,056	
25200200	SUPPLEMENTAL WATERING	UNIT	43	43	
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	291	291	
28000305	TEMPORARY DITCH CHECKS	FOOT	48	48	
28000400	PERIMETER EROSION BARRIER	FOOT	2,379	2,379	
28000510	INLET FILTERS	EACH	74	74	
28100101	STONE RIPRAP, CLASS A1	SQ YD	2	2	
28200200	FILTER FABRIC	SQ YD	2	2	
30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	100	100	
35101600	AGGREGATE BASE COURSE, TYPE B 4"	SQ YD	15,377	15,377	
35101800	AGGREGATE BASE COURSE, TYPE B 6"	SQ YD	51	51	
35501316	HOT-MIX ASPHALT BASE COURSE, 8"	SQ YD	265	265	
40201000	AGGREGATE FOR TEMPORARY ACCESS	TON	561	561	
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	309	309	
40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	165	165	

^ DENOTES SPECIALTY ITEM
 ^ ^ DENOTES CONSTRUCTION TYPE CODE 0042
 * DENOTES SPECIAL PROVISION
 ** DENOTES NON-PARTICIPATING


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DESIGNED -	BAS	REVISED -	
DRAWN -	BAS	REVISED -	
CHECKED -	KRK	REVISED -	
DATE -	12/28/2020	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SHEET 1 OF 5 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	14-00221-00-BT	COOK	156	3
CONTRACT NO. 61G57				
ILLINOIS FED. AID PROJECT				

CODE NUMBER	ITEM	UNIT	TOTAL QUANTITY	0028 ROADWAY	NON-PARTICIPATING
40604060	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50	TON	156	156	
* 42001300	PROTECTIVE COAT	SQ YD	25,500	25,500	
42300400	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH	SQ YD	1,172	1,172	
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	100,668	100,668	
42400410	PORTLAND CEMENT CONCRETE SIDEWALK 8 INCH	SQ FT	9,737	9,737	
42400800	DETECTABLE WARNINGS	SQ FT	628	628	
44000100	PAVEMENT REMOVAL	SQ YD	697	697	
44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	SQ YD	618	618	
* 44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	3,019	3,019	
44000300	CURB REMOVAL	FOOT	150	150	
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	2,128	2,128	
44000600	SIDEWALK REMOVAL	SQ FT	23,668	23,668	
44003100	MEDIAN REMOVAL	SQ FT	562	562	
50104400	CONCRETE HEADWALL REMOVAL	EACH	1	1	
50105220	PIPE CULVERT REMOVAL	FOOT	61	61	
52200800	SEGMENTAL CONCRETE BLOCK WALL	SQ FT	2,124	2,124	
54213660	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 15"	EACH	2	2	

CODE NUMBER	ITEM	UNIT	TOTAL QUANTITY	0028 ROADWAY	NON-PARTICIPATING
550A0040	STORM SEWERS, CLASS A, TYPE 1 10"	FOOT	172	172	
550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	FOOT	208	208	
550A0360	STORM SEWERS, CLASS A, TYPE 2 15"	FOOT	52	52	
55100300	STORM SEWER REMOVAL 8"	FOOT	73	73	
55100400	STORM SEWER REMOVAL 10"	FOOT	5	5	
55100500	STORM SEWER REMOVAL 12"	FOOT	5	5	
^ * 56400820	FIRE HYDRANT WITH AUXILIARY VALVE AND VALVE BOX	EACH	5	5	
^ * 56500600	DOMESTIC WATER SERVICE BOXES TO BE ADJUSTED	EACH	2	2	
60200105	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	EACH	3	3	
60200805	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 8 GRATE	EACH	1	1	
60206905	CATCH BASINS, TYPE C, TYPE 1 FRAME, OPEN LID	EACH	1	1	
60207605	CATCH BASINS, TYPE C, TYPE 8 GRATE	EACH	7	7	
60207905	CATCH BASINS, TYPE C, TYPE 11 FRAME AND GRATE	EACH	1	1	
60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1	1	
60219000	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 8 GRATE	EACH	4	4	
60236200	INLETS, TYPE A, TYPE 8 GRATE	EACH	1	1	
60236800	INLETS, TYPE A, TYPE 11 FRAME AND GRATE	EACH	1	1	

^ DENOTES SPECIALTY ITEM
 ^^ DENOTES CONSTRUCTION TYPE CODE 0042
 * DENOTES SPECIAL PROVISION
 ** DENOTES NON-PARTICIPATING

PLAN	DATE
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PROFILE	DATE
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES			
SHEET	2	OF	5 SHEETS
STA.		TO STA.	

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	14-00221-00-BT	COOK	156	4
CONTRACT NO. 61G57				
ILLINOIS FED. AID PROJECT				

CODE NUMBER	ITEM	UNIT	TOTAL QUANTITY	0028 ROADWAY	NON-PARTICIPATING
60240301	INLETS, TYPE B, TYPE 8 GRATE	EACH	3	3	
60266600	VALVE BOXES TO BE ADJUSTED	EACH	1	1	
60406100	FRAMES AND LIDS, TYPE 1, CLOSED LID	EACH	6	6	
60500050	REMOVING CATCH BASINS	EACH	11	11	
60600605	CONCRETE CURB, TYPE B	FOOT	275	275	
60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	1,994	1,994	
60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	49	49	
60622305	CONCRETE MEDIAN, TYPE SM - 4.12	SQ FT	246	246	
63200310	GUARDRAIL REMOVAL	FOOT	104	104	
^ *	66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	1,895	1,895
^ *	66900530	SOIL DISPOSAL ANALYSIS	EACH	9	9
^ *	66901000	BACKFILL PLUGS	CU YD	13	13
^ *	66901001	REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	LSUM	1	1
^ *	66901003	REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	LSUM	1	1
^ *	66901006	REGULATED SUBSTANCES MONITORING	CAL DA	50	50
	67100100	MOBILIZATION	LSUM	1	1
	70102625	TRAFFIC CONTROL AND PROTECTION, STANDARD 701606	L SUM	1	1

CODE NUMBER	ITEM	UNIT	TOTAL QUANTITY	0028 ROADWAY	NON-PARTICIPATING
70102630	TRAFFIC CONTROL AND PROTECTION, STANDARD 701601	L SUM	1	1	
70102632	TRAFFIC CONTROL AND PROTECTION, STANDARD 701602	L SUM	1	1	
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1	1	
70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1	1	
* 70300904	PAVEMENT MARKING TAPE, TYPE IV 4"	FOOT	1,200	1,200	
^ 72000100	SIGN PANEL - TYPE 1	SQ FT	183	183	
^ 72400100	REMOVE SIGN PANEL ASSEMBLY - TYPE A	EACH	29	29	
^ 72400200	REMOVE SIGN PANEL ASSEMBLY - TYPE B	EACH	6	6	
^ 72400500	RELOCATE SIGN PANEL ASSEMBLY - TYPE A	EACH	29	29	
^ 72400600	RELOCATE SIGN PANEL ASSEMBLY - TYPE B	EACH	6	6	
^ 72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT	819	819	
^ 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	206	206	
^ 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	7	7	
^ 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	1,870	1,870	
^ 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	2,075	2,075	
^ 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	410	410	
^ 78008230	POLYUREA PAVEMENT MARKING TYPE I - LINE 6"	FOOT	1,731	1,731	

^ DENOTES SPECIALTY ITEM
 ^^ DENOTES CONSTRUCTION TYPE CODE 0042
 * DENOTES SPECIAL PROVISION
 ** DENOTES NON-PARTICIPATING

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DATE	BY	PROFILE	DESIGNED	CHECKED	DATE

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SHEET 3 OF 5 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	14-00221-00-BT	COOK	156	5
CONTRACT NO. 61G57			ILLINOIS FED. AID PROJECT	

CODE NUMBER	ITEM	UNIT	TOTAL QUANTITY	0028 ROADWAY	NON-PARTICIPATING
78008250	POLYUREA PAVEMENT MARKING TYPE I - LINE 12"	FOOT	261	261	
81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	21	21	
81028220	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	87	87	
81028240	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	605	605	
81603090	UNIT DUCT, 600V, 3-1C NO.4, 1/C NO.6 GROUND, (XLP-TYPE USE), 1 1/4" DIA. POLYETHYLENE	FOOT	1,679	1,679	
83600200	LIGHT POLE FOUNDATION, 24" DIAMETER	FOOT	40	40	
83800105	BREAKAWAY DEVICE, TRANSFORMER BASE, 11.5 INCH BOLT CIRCLE	EACH	4	4	
84200804	REMOVAL OF POLE FOUNDATION	EACH	7	7	
84400105	RELOCATE EXISTING LIGHTING UNIT	EACH	6	6	
84500120	REMOVAL OF ELECTRIC SERVICE INSTALLATION	EACH	1	1	
85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	3	3	
87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	1,014	1,014	
87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1,063	1,063	
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	660	660	
87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	58	58	
87800100	CONCRETE FOUNDATION, TYPE A	FOOT	16	16	
87900200	DRILL EXISTING HANDHOLE	EACH	7	7	

CODE NUMBER	ITEM	UNIT	TOTAL QUANTITY	0028 ROADWAY	NON-PARTICIPATING
88102717	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	4	4	
88600600	DETECTOR LOOP REPLACEMENT	FOOT	50	50	
88800100	PEDESTRIAN PUSH-BUTTON	EACH	5	5	
89500100	RELOCATE EXISTING SIGNAL HEAD	EACH	3	3	
89500200	RELOCATE EXISTING PEDESTRIAN SIGNAL HEAD	EACH	5	5	
89500400	RELOCATE EXISTING PEDESTRIAN PUSH-BUTTON	EACH	4	4	
89501150	RELOCATE EXISTING TRAFFIC SIGNAL POST	EACH	4	4	
89502200	MODIFY EXISTING CONTROLLER	EACH	2	2	
89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	8,279	8,279	
89502350	REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	53	53	
89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1	1	
89502376	REBUILD EXISTING HANDHOLE	EACH	11	11	
89502385	REMOVE EXISTING CONCRETE FOUNDATION	EACH	4	4	
A2002520	TREE, CARPINUS CAROLINIANA (AMERICAN HORNBEAM), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	7	7	
B2000772	TREE, AMELANCHIER X GRANDIFLORA AUTUMN BRILLIANCE (AUTUMN BRILLIANCE SERVICE BERRY), 2-1/2" CALIPER, TREE FORM, BALLED AND BURLAPPED	EACH	4	4	
B2004120	TREE, MALUS PRAIRIFIRE (PRAIRIFIRE CRABAPPLE), 2-1/2" CALIPER, TREE FORM, BALLED AND BURLAPPED	EACH	4	4	
B2006120	TREE, SYRINGA PEKINENSIS MORTON (CHINA SNOW PEKING LILAC), 2-1/2" CALIPER, TREE FORM, BALLED AND BURLAPPED	EACH	5	5	
X0323455	ADJUST MONITORING WELLS	EACH	1	1	

^ DENOTES SPECIALTY ITEM
 ^^ DENOTES CONSTRUCTION TYPE CODE 0042
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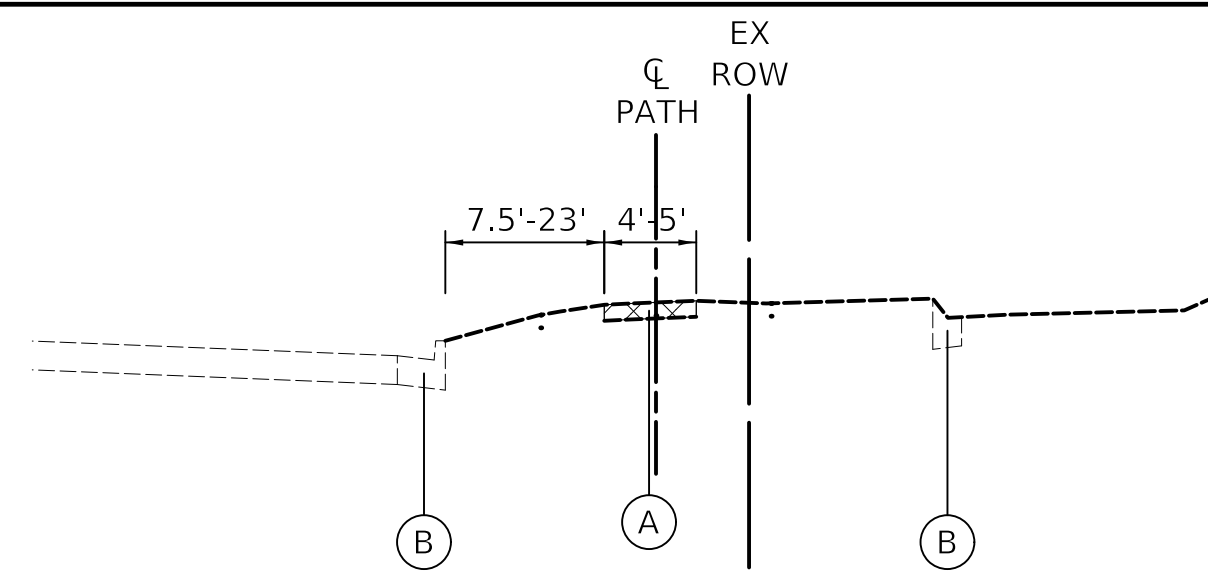
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
 SHEET 4 OF 5 SHEETS STA. TO STA.

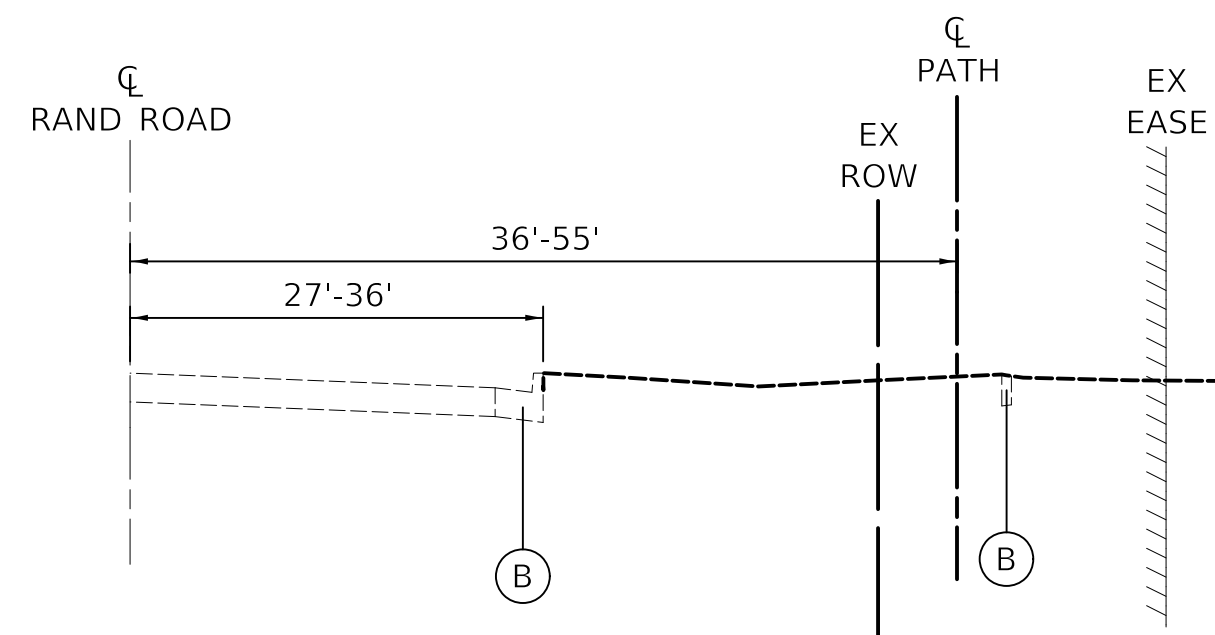
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	14-00221-00-BT	COOK	156	6
CONTRACT NO. 61G57			ILLINOIS FED. AID PROJECT	

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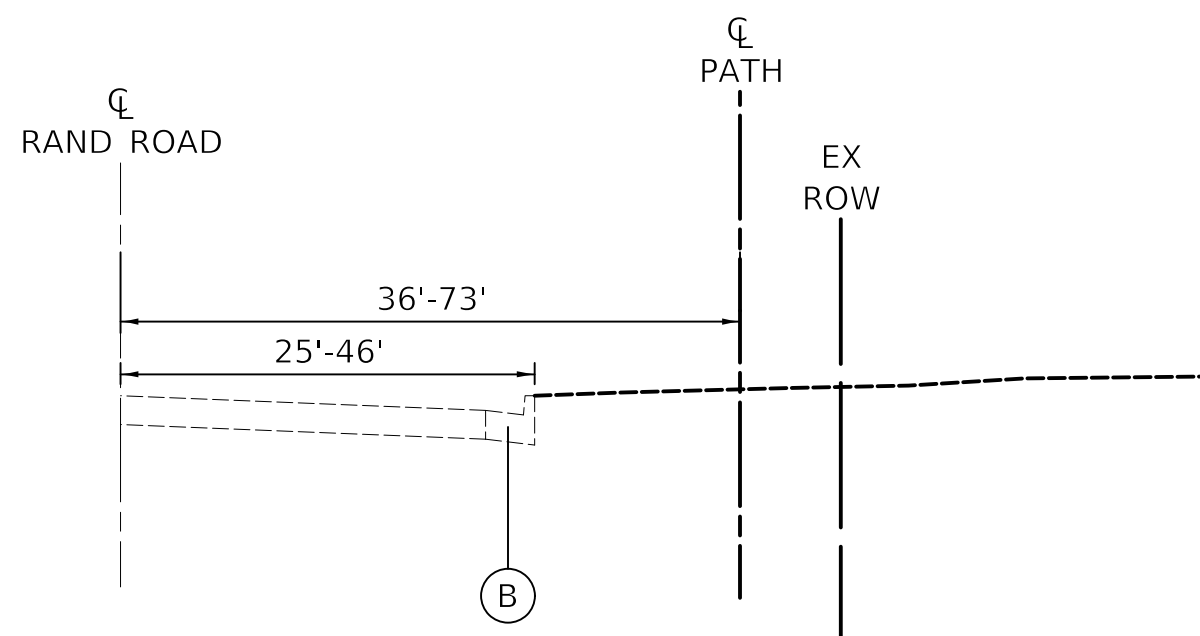
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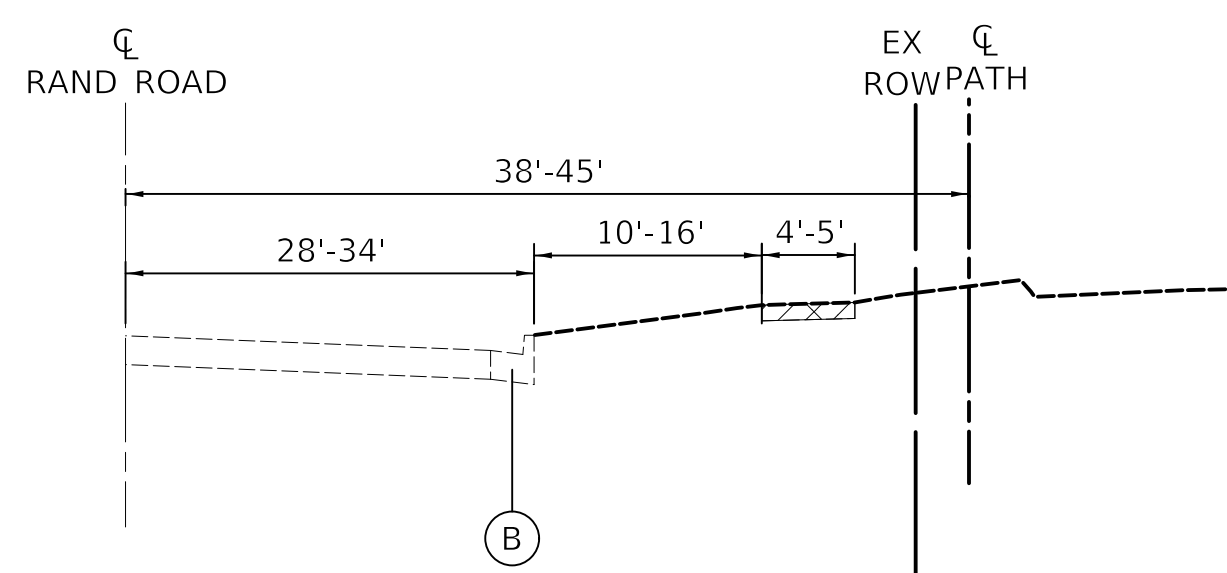
EXISTING TYPICAL SECTION
 STA 100+00.0 TO STA 102+24.0
 STA 107+05.0 TO STA 110+32.0
 STA 155+60.0 TO STA 162+32.0
 STA 206+00.0 TO STA 215+00.0
 STA 400+00.0 TO STA 402+94.0



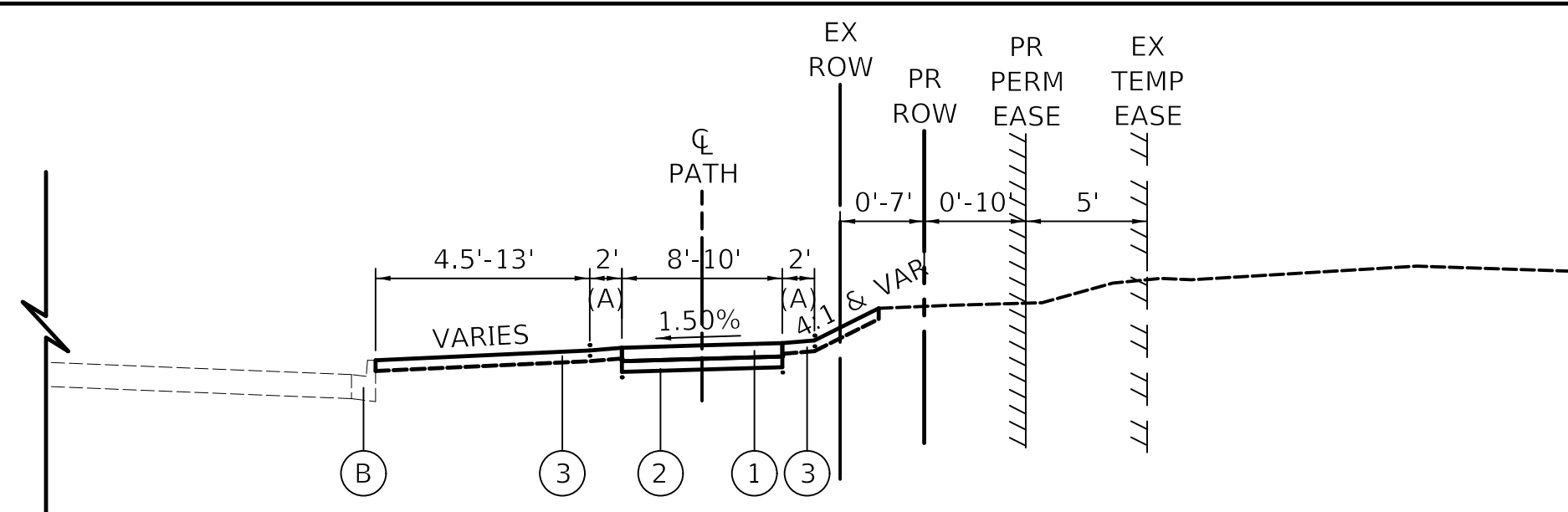
EXISTING TYPICAL SECTION
 STA 102+24.0 TO STA 107+05.0
 STA 135+00.0 TO STA 138+77.0
 STA 162+32.0 TO STA 164+00.0
 STA 189+02.0 TO STA 198+20.0
 STA 203+00.0 TO STA 206+00.0



EXISTING TYPICAL SECTION
 STA 110+32.0 TO STA 135+00.0
 STA 138+77.0 TO STA 143+00.0
 STA 164+00.0 TO STA 187+07.0
 STA 198+20.0 TO STA 203+00.0

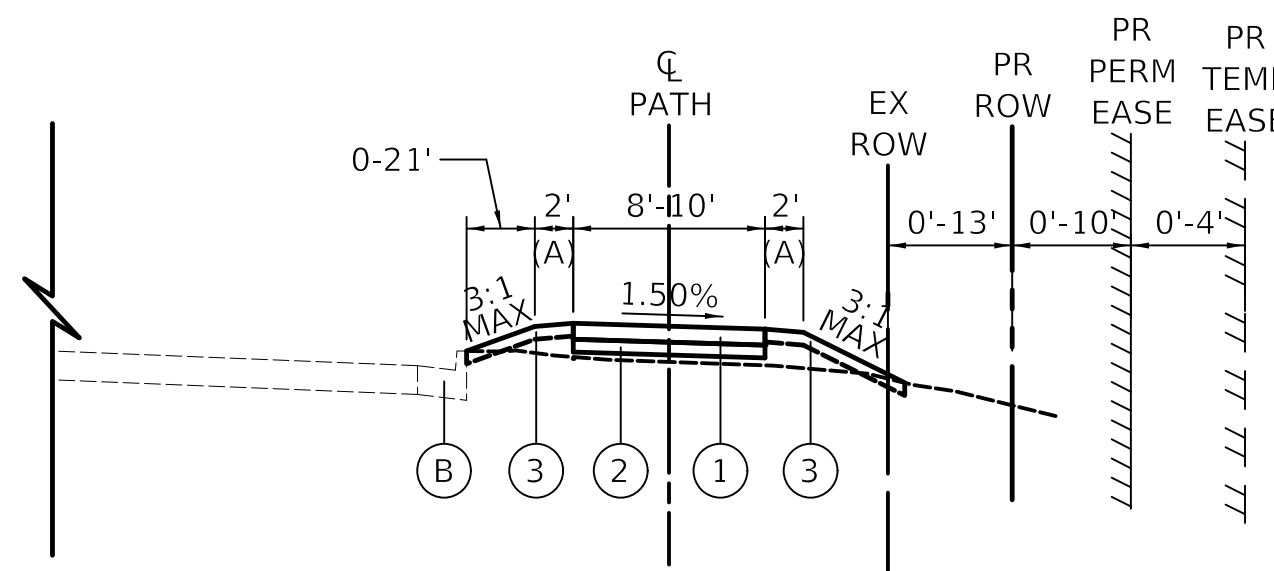


EXISTING TYPICAL SECTION
 STA 143+00.0 TO STA 155+60.0
 STA 187+07.0 TO STA 189+02.0
 STA 402+94.0 TO STA 409+34.0



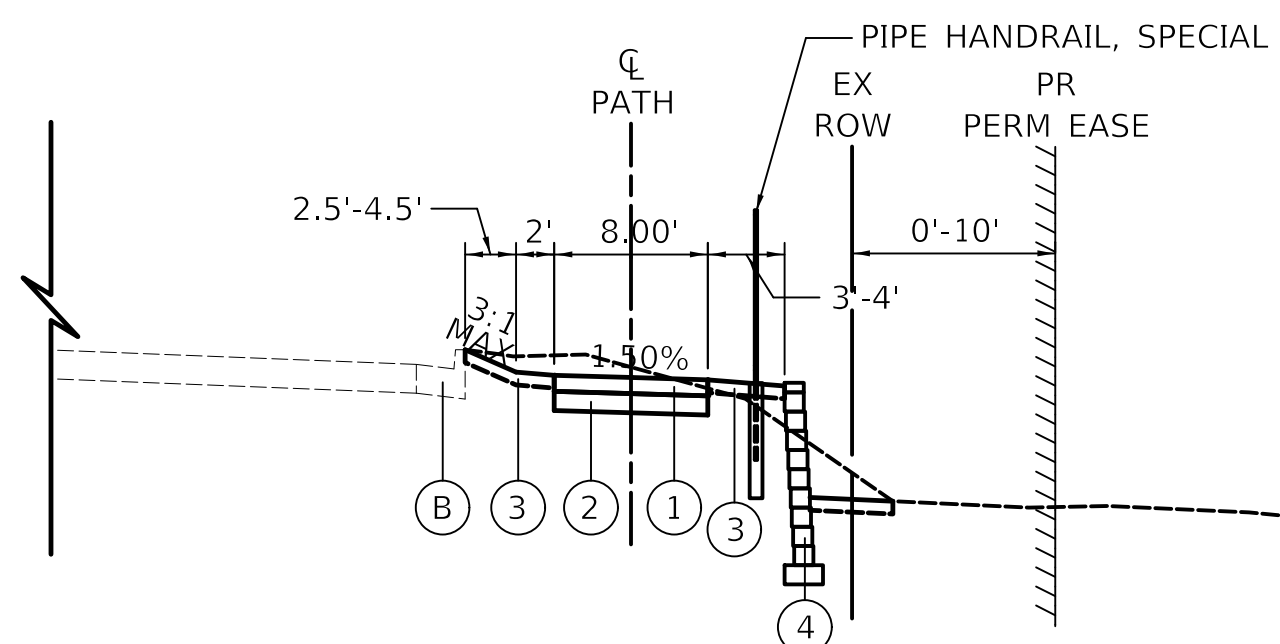
PROPOSED TYPICAL SECTION
 STA 100+03.7 TO STA 112+50.0
 STA 133+50.0 TO STA 137+00.0
 STA 138+50.0 TO STA 143+00.0
 STA 156+00.0 TO STA 162+50.0
 STA 188+00.0 TO STA 198+00.0
 STA 204+67.0 TO STA 213+3.0
 STA 401+50.0 TO STA 409+36.6 (B)

- (A) CONSTRUCT 2' WIDE GRADED SHOULDER WITH A MAX ABSOLUTE SLOPE OF 4%
- (B) AT LOCATIONS WHERE PATH CROSS SLOPE SWITCHES DIRECTION, PROVIDE 40' TRANSITION FROM +1.5% TO -1.5%



PROPOSED TYPICAL SECTION
 STA 112+50.0 TO STA 133+50.0
 STA 137+00.0 TO STA 138+50.0
 STA 143+00.0 TO STA 156+00.0
 STA 162+50.0 TO STA 184+86.0
 STA 186+86.0 TO STA 188+00.0
 STA 198+00.0 TO STA 200+00.0
 STA 201+52.0 TO STA 202+78.0 (B)

- (A) CONSTRUCT 2' WIDE GRADED SHOULDER WITH A MAX ABSOLUTE SLOPE OF 4%
- (B) AT LOCATIONS WHERE PATH CROSS SLOPE SWITCHES DIRECTION, PROVIDE 40' TRANSITION FROM +1.5% TO -1.5%



PROPOSED TYPICAL SECTION
 STA 184+86.0 TO STA 186+86.0
 STA 200+00.0 TO STA 201+52.0
 STA 202+78.0 TO STA 204+67.0

LEGEND:

- (A) EXISTING SIDEWALK
- (B) EXISTING CURB AND GUTTER
- ① PROPOSED PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH (INCREASE THICKNESS TO 8" THROUGH DRIVEWAYS, PAID FOR AS "PORTLAND CEMENT CONCRETE SIDEWALK, 8 INCH")
- ② PROPOSED AGGREGATE BASE COURSE, TYPE B, 4"
- ③ PROPOSED SODDING, SALT TOLERANT PROPOSED TOPSOIL, 6"
- ④ PROPOSED RETAINING WALL (SEE STRUCTURAL PLANS FOR LIMITS)

LEGEND:



MIXTURE TYPE	PERCENT AIR VOIDS @ Ndes.
PAVEMENT RECONSTRUCTION - GRACELAND AVENUE	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL 9.5mm); 2"	4% @ 50 GYR.
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50; 7"	4% @ 50 GYR.
PAVEMENT PATCHING, SPECIAL	
HOT-MIX ASPHALT SURFACE COURSE, MIX D, N50, (IL-9.5mm); 2"	4% @ 50 GYR.
DRIVEWAYS	
HOT-MIX ASPHALT SURFACE COURSE, MIX D, N50, (IL-9.5mm); 2"	4% @ 50 GYR.
HOT-MIX ASPHALT BASE COURSE; 8" (HMA BINDER IL-19.0)	4% @ 50 GYR.

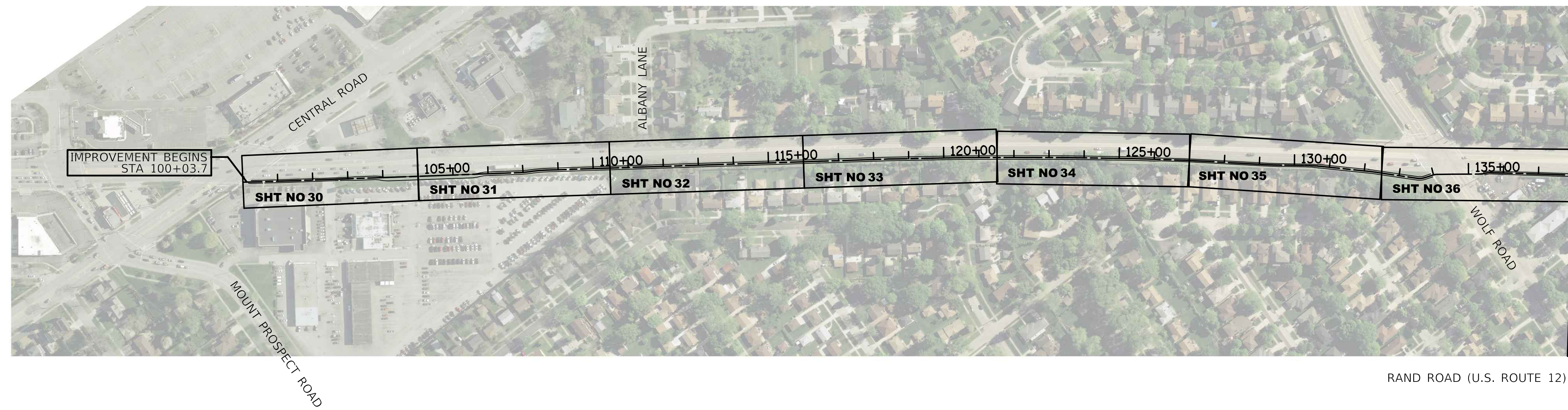
THE UNIT WEIGHT TO CALCULATE ALL HOT-MIX ASPHALT SURFACE MIXTURES IS 112 LB/SY-IN.

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 SPECIAL PROVISIONS.

FOR USE OF RECYCLED MATERIALS SEE SPECIAL PROVISIONS.

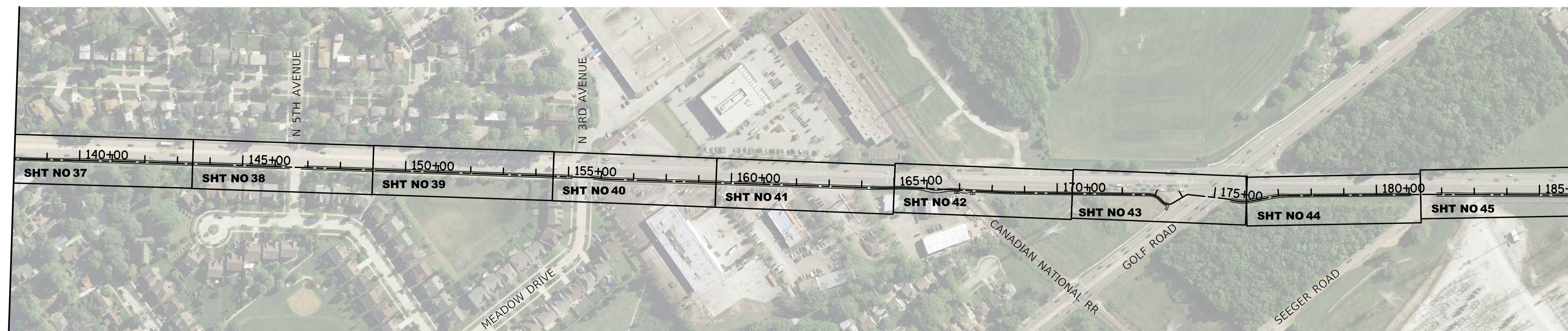
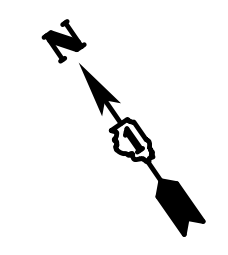
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PROFILE	SURVEYED	DATE
NOTE BOOK NO.	PLOTTED	
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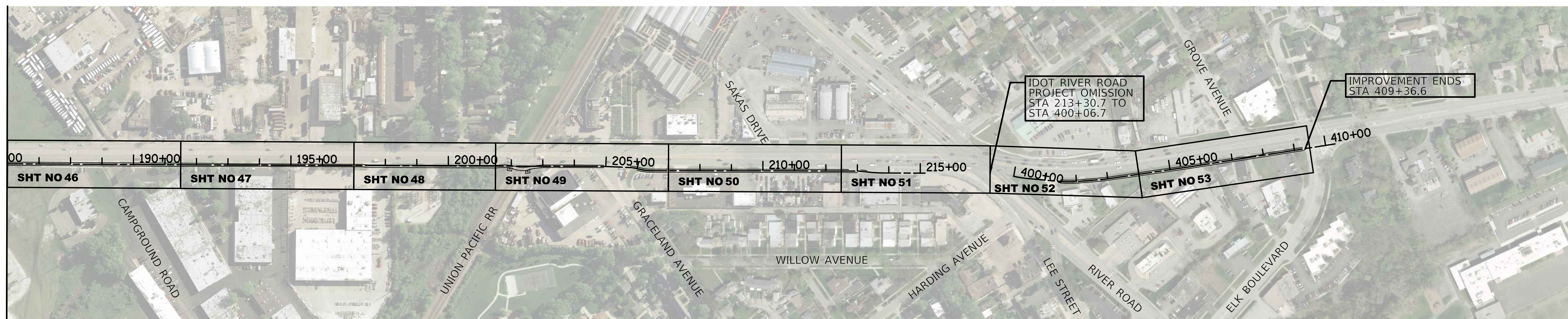
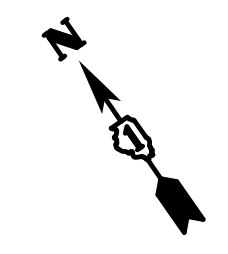
RAND ROAD (U.S. ROUTE 12)

MATCH LINE 138+00
SEE BELOW



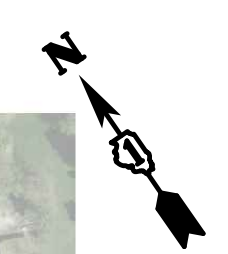
RAND ROAD (U.S. ROUTE 12)

MATCH LINE 186+00
SEE BELOW



RAND ROAD (U.S. ROUTE 12)

MATCH LINE 186+00
SEE ABOVE



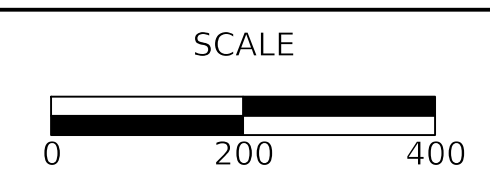
NOTE: THE KEY SHT NO BOXES ARE IN REFERENCE TO THE REMOVAL AND PROPOSED PLAN AND PROFILE SHEET NUMBERS.



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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**



OVERALL SITE LAYOUT PLAN

SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	14-00221-00-BT	COOK	156	9
CONTRACT NO. 61G57				
ILLINOIS FED. AID PROJECT				

PROP. CURVE C1_06
 PI STA. = 103+84.35
 $\Delta = 12^\circ 50' 19''$ (RT)
 D = 57' 17" 45"
 R = 100.00'
 T = 11.25'
 L = 22.41'
 E = 0.63'
 P.C. STA. = 103+73.10
 P.T. STA. = 103+95.51

PROP. CURVE C1_07
 PI STA. = 104+06.76
 $\Delta = 12^\circ 50' 19''$ (LT)
 D = 57' 17" 45"
 R = 100.00'
 T = 11.25'
 L = 22.41'
 E = 0.63'
 P.C. STA. = 103+95.51
 P.T. STA. = 104+17.92

PROP. CURVE C1_09
 PI STA. = 106+61.52
 $\Delta = 12^\circ 50' 19''$ (LT)
 D = 57' 17" 45"
 R = 100.00'
 T = 11.25'
 L = 22.41'
 E = 0.63'
 P.C. STA. = 106+50.27
 P.T. STA. = 106+72.68

PROP. CURVE C1_10
 PI STA. = 106+83.93
 $\Delta = 12^\circ 50' 19''$ (RT)
 D = 57' 17" 45"
 R = 100.00'
 T = 11.25'
 L = 22.41'
 E = 0.63'
 P.C. STA. = 106+72.68
 P.T. STA. = 106+95.09

PROP. CURVE C1_11
 PI STA. = 108+03.49
 $\Delta = 6^\circ 21' 07''$ (LT)
 D = 19' 45" 26"
 R = 290.00'
 T = 16.09'
 L = 32.15'
 E = 0.45'
 P.C. STA. = 107+87.40
 P.T. STA. = 108+19.55

PROP. CURVE C1_14
 PI STA. = 108+44.33
 $\Delta = 6^\circ 32' 38''$ (RT)
 D = 13' 13" 00"
 R = 433.50'
 T = 24.78'
 L = 49.51'
 E = 0.71'
 P.C. STA. = 108+19.55
 P.T. STA. = 108+69.06

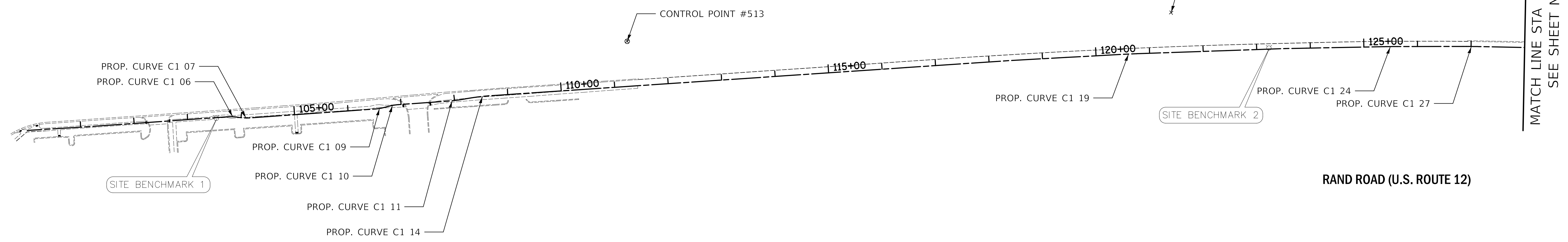
PROP. CURVE C1_19
 PI STA. = 120+61.15
 $\Delta = 1^\circ 09' 17''$ (RT)
 D = 3' 49" 11"
 R = 1,500.00'
 T = 15.11'
 L = 30.23'
 E = 0.08'
 P.C. STA. = 120+46.04
 P.T. STA. = 120+76.26

PROP. CURVE C1_24
 PI STA. = 125+49.42
 $\Delta = 1^\circ 01' 13''$ (RT)
 D = 3' 49" 11"
 R = 1,500.00'
 T = 13.35'
 L = 26.71'
 E = 0.06'
 P.C. STA. = 125+36.06
 P.T. STA. = 125+62.77

PROP. CURVE C1_27
 PI STA. = 127+00.60
 $\Delta = 1^\circ 11' 30''$ (RT)
 D = 3' 49" 11"
 R = 1,500.00'
 T = 15.60'
 L = 31.20'
 E = 0.08'
 P.C. STA. = 126+85.00
 P.T. STA. = 127+16.19



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PLAN	
NOTE BOOK NO.	



MATCH LINE STA 128+00
SEE SHEET NO 11

DATE	
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PLOTTED	
CHECKED	
B.M. NOTED	
STRUCTURE NOTATIONS CHK'D	
PROFILE	
NOTE BOOK NO.	

DESCRIPTION	STATION	NORTHING	EASTING
BOA	100+00.23	1,966,930.1327	1,096,298.7377
PI	101+11.46	1,966,869.0576	1,096,391.7106
PC	103+73.10	1,966,727.6260	1,096,611.8250
PI	103+84.35	1,966,721.5442	1,096,621.2904
PRC	103+95.51	1,966,713.5111	1,096,629.1677
PI	104+06.76	1,966,705.4780	1,096,637.0450
PT	104+17.92	1,966,699.3962	1,096,646.5104
PC	106+50.27	1,966,573.7911	1,096,841.9936
PI	106+61.52	1,966,567.7092	1,096,851.4589
PRC	106+72.68	1,966,563.8826	1,096,862.0391
PI	106+83.93	1,966,560.0561	1,096,872.6193
PT	106+95.09	1,966,553.9742	1,096,882.0846
PC	107+87.40	1,966,504.0738	1,096,959.7462
PI	108+03.49	1,966,495.3752	1,096,973.2841
PC	108+19.55	1,966,488.2278	1,096,987.7012
PI	108+44.33	1,966,477.2197	1,097,009.9058
PT	108+69.06	1,966,589.4817	1,096,808.1366
PI	118+41.84	1,965,935.1611	1,097,847.3431
PC	120+46.04	1,965,822.0431	1,098,017.3427
PI	120+61.15	1,965,813.6700	1,098,029.9262
PT	120+76.26	1,965,805.0451	1,098,042.3384
PI	123+53.27	1,965,646.9786	1,098,269.8129
PC	125+36.06	1,965,540.3388	1,098,418.2823
PI	125+49.42	1,965,532.5481	1,098,429.1290
PT	125+62.77	1,965,524.5655	1,098,439.8352
PC	126+85.00	1,965,451.5059	1,098,537.8223
PI	127+00.60	1,965,442.1819	1,098,550.3275
PT	127+16.19	1,965,432.5999	1,098,562.6362
PC	129+09.70	1,965,313.7333	1,098,715.3269
PI	129+41.12	1,965,294.4322	1,098,740.1204
PT	129+72.53	1,965,276.1862	1,098,765.7003
PC	130+29.44	1,965,243.1371	1,098,812.0334
PI	130+51.94	1,965,230.0696	1,098,830.3534
PT	130+74.42	1,965,215.4093	1,098,847.4254
PC	132+08.57	1,965,128.0082	1,098,949.2044

DESCRIPTION	STATION	NORTHING	EASTING
PI	132+19.34	1,965,120.9914	1,098,957.3755
PT	132+30.11	1,965,113.6293	1,098,965.2368
PC	133+51.62	1,965,030.5747	1,099,053.9232
PI	133+63.41	1,965,022.5138	1,099,062.5307
PT	133+74.78	1,965,019.1487	1,099,073.8330
PC	133+96.38	1,965,012.9841	1,099,094.5381
PI	134+04.20	1,965,010.7541	1,099,102.0279
PT	134+11.88	1,965,006.3451	1,099,108.4801
PI	134+54.67	1,964,982.2033	1,099,143.8092
PC	135+33.21	1,964,937.8958	1,099,208.6517
PI	135+39.20	1,964,934.5135	1,099,213.6017
PT	135+45.14	1,964,932.3972	1,099,219.2110
PC	135+50.76	1,964,930.4143	1,099,224.4668
PI	135+58.02	1,964,927.8511	1,099,231.2606
PT	135+65.18	1,964,923.4614	1,099,237.0447
PI	135+70.93	1,964,919.9869	1,099,241.6227
PI	138+54.82	1,964,750.5678	1,099,469.4181
PI	141+17.44	1,964,595.6159	1,099,681.4564
PI	146+62.15	1,964,270.2511	1,100,118.3113
PI	155+45.68	1,963,741.4159	1,100,826.0963
PC	155+71.49	1,963,725.9667	1,100,846.7733
PI	155+80.73	1,963,720.4333	1,100,854.1792
PT	155+89.96	1,963,714.0323	1,100,860.8494
PC	155+96.64	1,963,709.4012	1,100,865.6755
PI	156+06.04	1,963,702.8947	1,100,872.4557
PT	156+15.41	1,963,697.2854	1,100,879.9950
PC	164+50.49	1,963,198.8051	1,101,549.9770
PI	164+66.02	1,963,189.5390	1,101,562.4310
PT	164+81.53	1,963,181.0634	1,101,575.4359
PC	165+04.42	1,963,168.5651	1,101,594.6130
PI	165+21.27	1,963,159.3656	1,101,608.7284
PT	165+38.10	1,963,149.2367	1,101,622.1926
PI	166+55.22	1,963,078.8286	1,101,715.7853
PC	168+16.25	1,962,980.0522	1,101,842.9563
PI	168+46.00	1,962,961.7993	1,101,866.4563

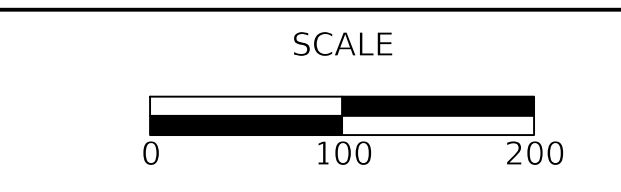
DESCRIPTION	STATION	NORTHING	EASTING
PT	168+75.75	1,962,944.4927	1,101,890.6617
PC	172+80.60	1,962,709.0254	1,102,219.9918
PI	173+00.97	1,962,697.1797	1,102,236.5595
PT	173+19.28	1,962,677.1290	1,102,240.1346
PC	173+30.57	1,962,666.0143	1,102,242.1164
PI	173+50.06	1,962,646.8299	1,102,245.5371
PT	173+63.68	1,962,645.4642	1,102,264.9762
PI	174+16.74	1,962,641.7457	1,102,317.9055
PC	175+38.61	1,962,561.5174	1,102,409.6418
PI	175+42.77	1,962,558.7768	1,102,412.7754
PT	175+46.92	1,962,555.5558	1,102,415.4127
PC	175+55.23	1,962,549.1223	1,102,420.6804
PI	175+84.96	1,962,526.1191	1,102,439.5148
PT	176+13.61	1,962,514.0586	1,102,466.6889
PC	176+84.27	1,962,485.3946	1,102,531.2732
PI	176+97.83	1,962,479.8922	1,102,543.6709
PT	177+11.32	1,962,472.2552	1,102,544.8804
PI	179+94.72	1,962,312.6895	1,102,789.0874
PI	180+76.38	1,962,266.7931	1,102,856.6332
PI	181+45.78	1,962,227.8859	1,102,914.0989
PI	191+92.44	1,961,626.0527	1,103,770.4210
PI	199+70.84	1,961,179.5509	1,104,408.0301
PI	204+98.47	1,960,877.0378	1,104,840.3313
PC	205+78.60	1,960,828.4246	1,104,904.0243
PI	205+87.93	1,960,822.7645	1,104,911.4402
PT	205+97.20	1,960,815.8303	1,104,917.6811
PC	206+17.08	1,960,801.0537	1,104,930.9805
PI	206+28.58	1,960,792.5036	1,104,938.6758
PT	206+39.99	1,960,785.9241	1,104,948.1115
PI	213+01.11	1,960,407.7782	1,105,490.4126
PC	213+38.20	1,960,383.7884	1,105,518.6999
PI	213+60.93	1,960,369.0859	1,105,536.0362
PT	213+83.63	1,960,356.0171	1,105,554.6351
EOA	215+15.41	1,960,280.2550	1,105,662.4561

POINT NO.	DESCRIPTION	NORTHING	EASTING
513	CROSS CUT ON CURB	1,966,392.940	1,097,294.650
501	ALUMINUM DISK - DES PLAINES BM #26	1,965,828.030	1,098,139.430
502	ALUMINUM DISK - DES PLAINES BM #40	1,965,002.160	1,099,087.510
503	CUT CROSS IN SIDEWALK	1,965,014.810	1,099,098.700
505	CUT CROSS ON MANHOLE	1,963,942.490	1,100,568.950
506	CUT CROSS ON CURB	1,963,355.120	1,101,459.760
509	NAIL IN CENTER OF ROAD	1,961,471.100	1,104,058.200
512	CUT CROSS ON SIDEWALK	1,959,862.020	1,106,265.030

CIVILTECH
 Two Pierce Place, Suite 1400
 Itasca, Illinois 60143
 Tel: 630.773.3900 Fax: 630.773.3975
 www.civiltechinc.com

DESIGNED - BAS	REVISED -
DRAWN - BAS	REVISED -
CHECKED - KRK	REVISED -
DATE - 12/28/2020	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**



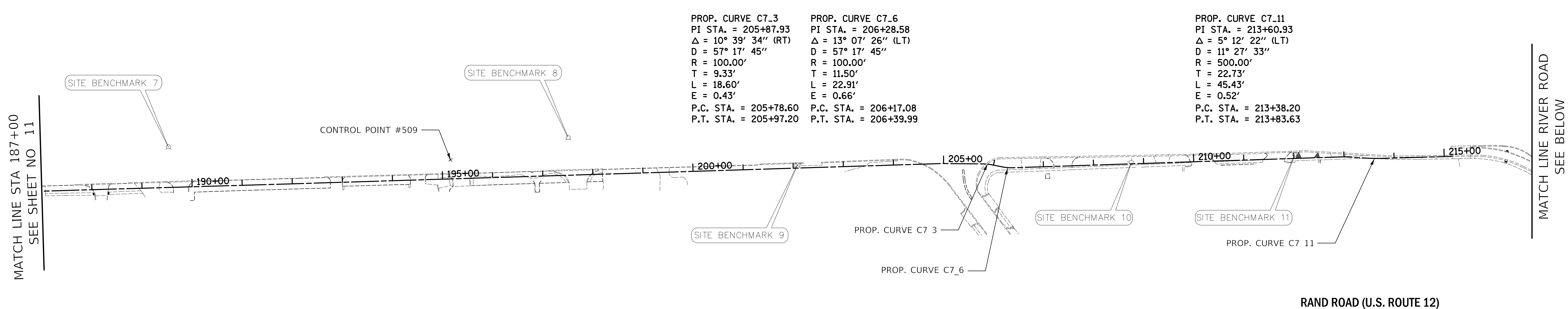
ALIGNMENT, TIES & BENCHMARKS

SHEET 1 OF 3 SHEETS STA. TO STA.

F.A.P. RTE. 334	SECTION 14-00221-00-BT	COUNTY COOK	TOTAL SHEETS 156	SHEET NO. 10
CONTRACT NO. 61G57				
ILLINOIS FED. AID PROJECT				

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

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



PROP. CURVE C7.3
 PI STA. = 205+87.93
 $\Delta = 10^\circ 39' 34''$ (RT)
 $D = 57^\circ 17' 45''$
 $R = 100.00'$
 $T = 9.33'$
 $L = 18.60'$
 $E = 0.43'$
 P.C. STA. = 205+78.60
 P.T. STA. = 205+97.20

PROP. CURVE C7.6
 PI STA. = 206+28.58
 $\Delta = 13^\circ 07' 26''$ (LT)
 $D = 57^\circ 17' 45''$
 $R = 100.00'$
 $T = 11.50'$
 $L = 22.91'$
 $E = 0.66'$
 P.C. STA. = 206+17.08
 P.T. STA. = 206+39.99

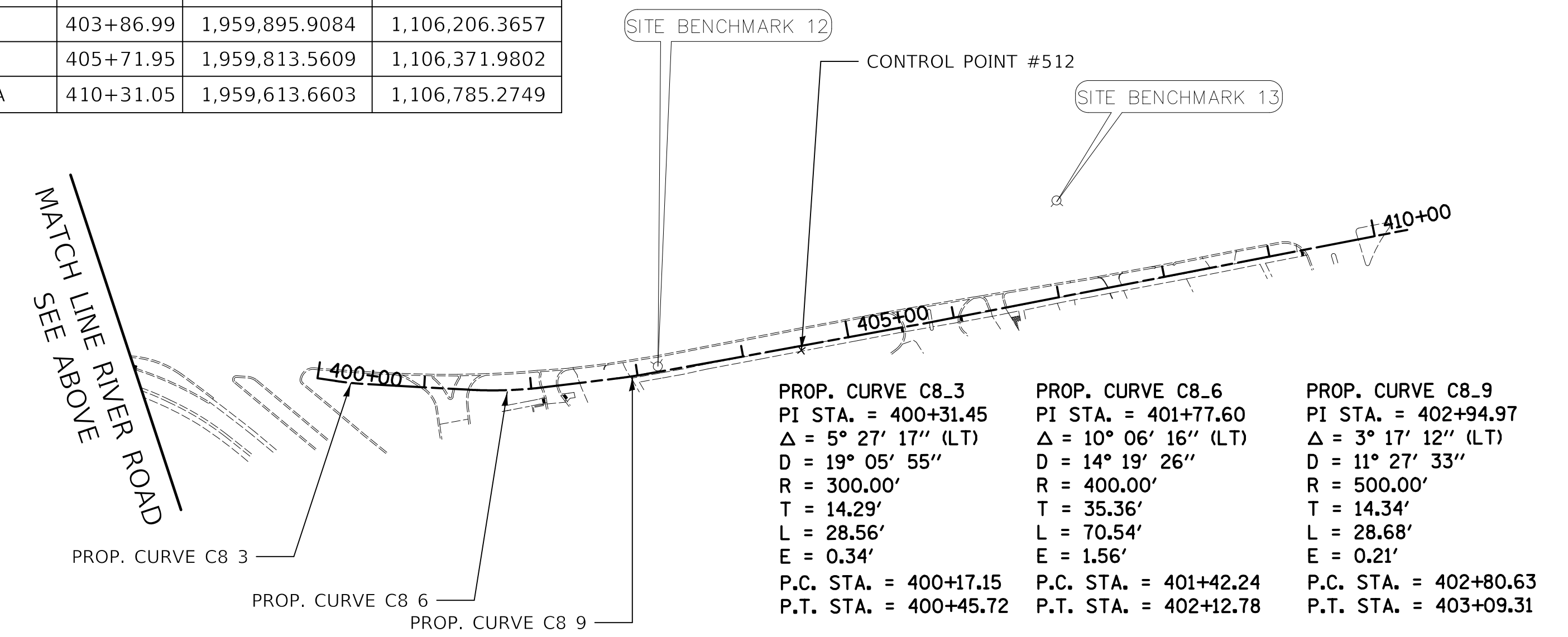
PROP. CURVE C7.11
 PI STA. = 213+60.93
 $\Delta = 5^\circ 12' 22''$ (LT)
 $D = 11^\circ 27' 33''$
 $R = 500.00'$
 $T = 22.73'$
 $L = 45.43'$
 $E = 0.52'$
 P.C. STA. = 213+38.20
 P.T. STA. = 213+83.63

RAND ROAD (U.S. ROUTE 12)

DESCRIPTION	STATION	NORTHING	EASTING
BOA	400+00.00	1,960,111.6208	1,105,887.8182
PC	400+17.15	1,960,099.4123	1,105,899.8699
PI	400+31.45	1,960,089.2417	1,105,909.9099
PT	400+45.72	1,960,080.0716	1,105,920.8712
PC	401+42.24	1,960,018.1392	1,105,994.9009
PI	401+77.60	1,959,995.4484	1,106,022.0239
PT	402+12.78	1,959,977.8681	1,106,052.7071
PC	402+80.63	1,959,944.1369	1,106,111.5788
PI	402+94.97	1,959,937.0055	1,106,124.0254
PT	403+09.31	1,959,930.5993	1,106,136.8605
PI	403+86.99	1,959,895.9084	1,106,206.3657
PI	405+71.95	1,959,813.5609	1,106,371.9802
EOA	410+31.05	1,959,613.6603	1,106,785.2749

BM NO.	ELEVATION	DESCRIPTION
1	661.66	SOUTHWESTERLY BOLT OF THE SECOND FIRE HYDRANT SOUTH OF THE INTERSECTION OF RAND ROAD AND
2	659.70	SOUTHWESTERLY BOLT OF THE FIRST FIRE HYDRANT NORTH OF THE INTERSECTION OF RAND ROAD AND
3	654.06	SPIKE IN THE NORTHEAST FACE OF THE FIRST UTILITY POLE NORTH OF THE INTERSECTION OF RAND ROAD
4	646.68	NORTHEASTERLY BOLT OF THE FIRST FIRE HYDRANT SOUTH OF THE INTERSECTION OF RAND ROAD AND MEADOW DRIVE. (NORTHEAST SIDE OF RAND ROAD)
5	648.01	NORTHEAST BOLT OF THE FIRST RAILROAD SIGNAL NORTH OF THE INTERSECTION OF RAND ROAD AND GOLF
6	645.15	CROSS CUT IN TRAFFIC SIGNAL MANHOLE IN ISLAND AT THE INTERSECTION OF RAND ROAD AND GOLF ROAD.
7	637.04	NORTHEASTERLY BOLT OF FIRE HYDRANT OPPOSITE THE INTERSECTION OF CAMPGROUND ROAD AND RAND ROAD. (NORTHEAST SIDE OF RAND ROAD)
8	636.94	NORTHEASTERLY BOLT OF THE SECOND FIRE HYDRANT NORTH OF THE INTERSECTION OF GRACELAND AVENUE AND RAND ROAD. (NORTHEAST SIDE OF RAND ROAD)
9	641.94	NORTHEAST BOLT OF THE FIRST RAILROAD SIGNAL NORTH OF THE INTERSECTION OF RAND ROAD AND
10	634.32	NORTHEAST BOLT OF TH FIRST FIRE HYDRANT SOUTH OF THE INTERSECTION OF RAND ROAD AND
11	631.94	SOUTHEAST BOLT OF THE SECOND FIRE HYDRANT NORTH OF THE INTERSECTION OF RAND ROAD AND RIVER
12	635.39	SOUTHEAST BOLT OF THE FIRST FIRE HYDRANT SOUTH OF THE INTERSECTION OF RAND ROAD AND RIVER
13	636.09	SOUTHEAST BOLT OF THE SECOND FIRE HYDRANT NORTH OF THE INTERSECTION OF ELK BOULEVARD AND RAND ROAD. (NORTHEAST SIDE OF RAND ROAD)

ELEVATIONS ARE BASED ON FOUND CITY OF DES PLAINES BENCHMARK NO 2 NAVD 1988 VERTICAL DATUM MONUMENT SET IN CONCRETE AT THE SOUTHEAST CORNER OF CENTRAL AND MT. PROSPECT ROADS, 23 FEET SOUTH OF EDGE OF PAVEMENT OF CENTRAL AND 52 FEET EAST OF EDGE OF PAVEMENT OF MT. PROSPECT.
 ELEVATION = 657.10



PROP. CURVE C8.3
 PI STA. = 400+31.45
 $\Delta = 5^\circ 27' 17''$ (LT)
 $D = 19^\circ 05' 55''$
 $R = 300.00'$
 $T = 14.29'$
 $L = 28.56'$
 $E = 0.34'$
 P.C. STA. = 400+17.15
 P.T. STA. = 400+45.72

PROP. CURVE C8.6
 PI STA. = 401+77.60
 $\Delta = 10^\circ 06' 16''$ (LT)
 $D = 14^\circ 19' 26''$
 $R = 400.00'$
 $T = 35.36'$
 $L = 70.54'$
 $E = 1.56'$
 P.C. STA. = 401+42.24
 P.T. STA. = 402+12.78

PROP. CURVE C8.9
 PI STA. = 402+94.97
 $\Delta = 3^\circ 17' 12''$ (LT)
 $D = 11^\circ 27' 33''$
 $R = 500.00'$
 $T = 14.34'$
 $L = 28.68'$
 $E = 0.21'$
 P.C. STA. = 402+80.63
 P.T. STA. = 403+09.31

RAND ROAD (U.S. ROUTE 12)



Two Pierce Place, Suite 1400
 Itasca, Illinois 60143
 Tel: 630.773.3900 Fax: 630.773.3975
 www.civiltechinc.com

DESIGNED -	BAS	REVISED -	
DRAWN -	BAS	REVISED -	
CHECKED -	KRK	REVISED -	
DATE -	12/28/2020	REVISED -	

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

ALIGNMENT, TIES & BENCHMARKS

SHEET 3 OF 3 SHEETS STA. TO STA.

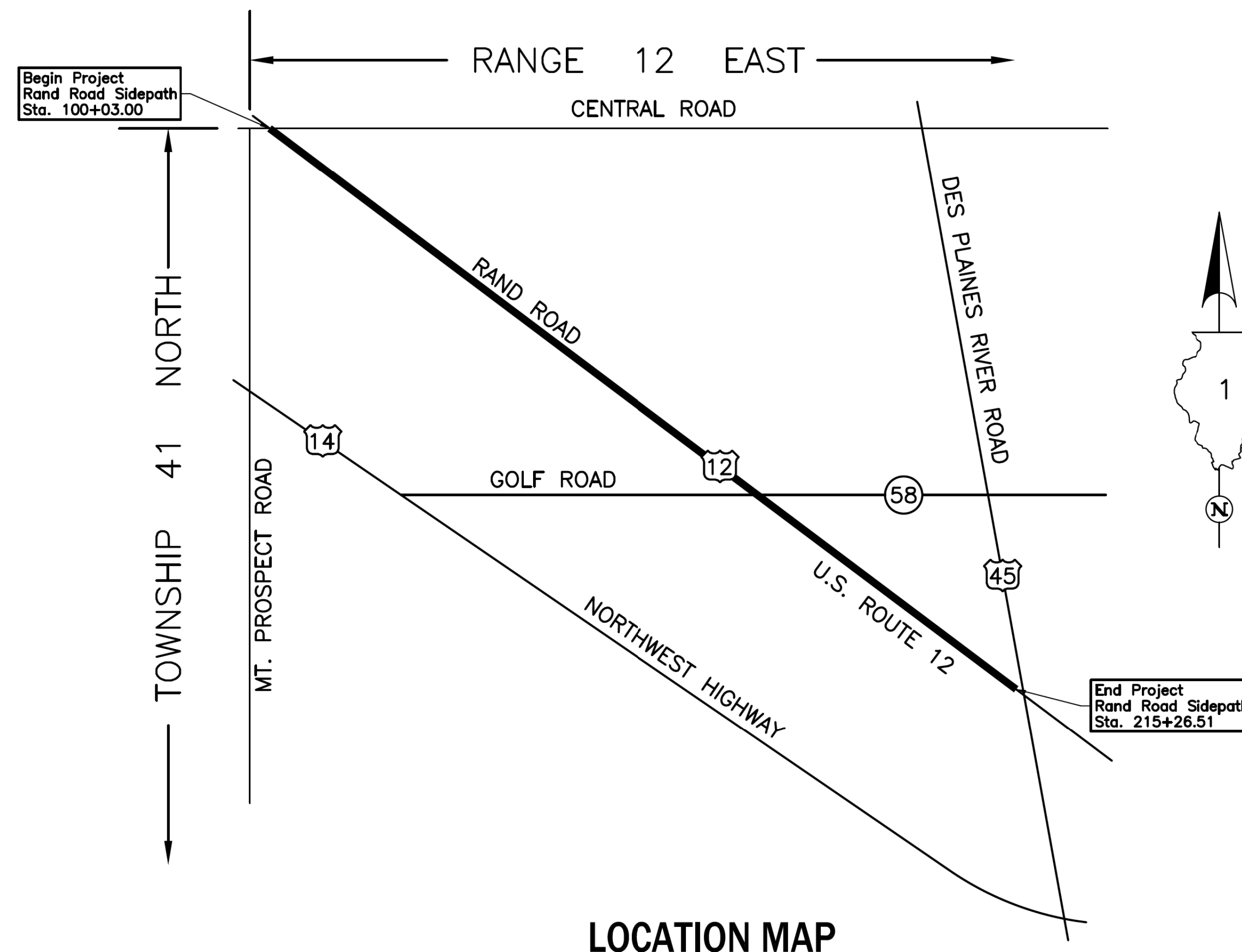
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	14-00221-00-BT	COOK	156	12
CONTRACT NO. 61G57				
ILLINOIS FED. AID PROJECT				

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PLAT OF HIGHWAYS

ROUTE: F.A.P. 334 & F.A.U. 3523 (U.S. ROUTE 12)
SECTION: 14-00221-00-BT
COUNTY: COOK
LIMITS: CENTRAL ROAD TO ELK BOULEVARD
JOB NO.: R-90-005-18

PARCEL NUMBER	OWNER	SHEET NUMBER	PROPERTY ACQUIRED BY
OM70001T.E.	SCN Investments, LLC 21 Rand, an Illinois limited liability company	2	
OM70002	Jeffery H. Abiera and Ellen Abiera, husband and wife, as tenants by the entirety	5	
OM70003	Ted Konopka and Maggie Konopka, in Joint Tenancy	5	
OM70004 OM70004T.E.	Muhamed Alka	6	
OM70005T.E.	560 Princeton, LLC	6	
OM70006T.E.	The Trustee of the Robert F. Melko Living Trust dated July 31, 2018	8	
OM70007P.E.	Commonwealth Edison Company	10 & 14	
OM70008P.E.	Commonwealth Edison Company	11	
OM70009 OM70009T.E.	Xenocorp, LLC, a Colorado limited liability company	13	
OM70010T.E.	Jidd Holdings LLC	13	



PROJECT LENGTH = 11,523.51 LIN. FT. = 2.182 MILES, RAND ROAD SIDEPATH

DISTRICT HEADQUARTERS: - *
 LOCATION OF SECTION INDICATED THUS: - * -

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OF THE STATE OF ILLINOIS**

PART OF THE NW FRACTIONAL 1/4 OF FRACTIONAL SEC. 7, TWP. 41 N., R. 12 E. OF THE 3RD. P.M., IN COOK COUNTY, ILLINOIS.

PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA ACRES	EASEMENT PURPOSE	PERMANENT INDEX NUMBER
0M70001T.E.	1.469	N/A	N/A	1.469	0.027	Construction Purposes	09-07-100-034

LEGEND

SECTION CORNER: 910, 1615
QUARTER SECTION CORNER: 16, 15

SECTION LINE
QUARTER SECTION LINE
QUARTER, QUARTER SECTION LINE
PLATTED LOT LINE
PROPERTY (DEED) LINE

APL
APPARENT PROPERTY LINE
EXISTING CENTER LINE
PROPOSED CENTER LINE
EXISTING RIGHT OF WAY LINE
PROPOSED RIGHT OF WAY LINE
EXISTING EASEMENT
PROPOSED EASEMENT
EXISTING ACCESS CONTROL LINE
PROPOSED ACCESS CONTROL LINE
MEASURED DIMENSION
COMPUTED DIMENSION
RECORD DIMENSION

EXISTING BUILDING

Bearings and Coordinates are referenced to the Illinois Coordinate System NAD 83(2011) East Zone.

○ IRON PIPE OR ROD FOUND ⊕ "MAG" NAIL SET
+ CUT CROSS FOUND OR SET ● 5/8" REBAR SET

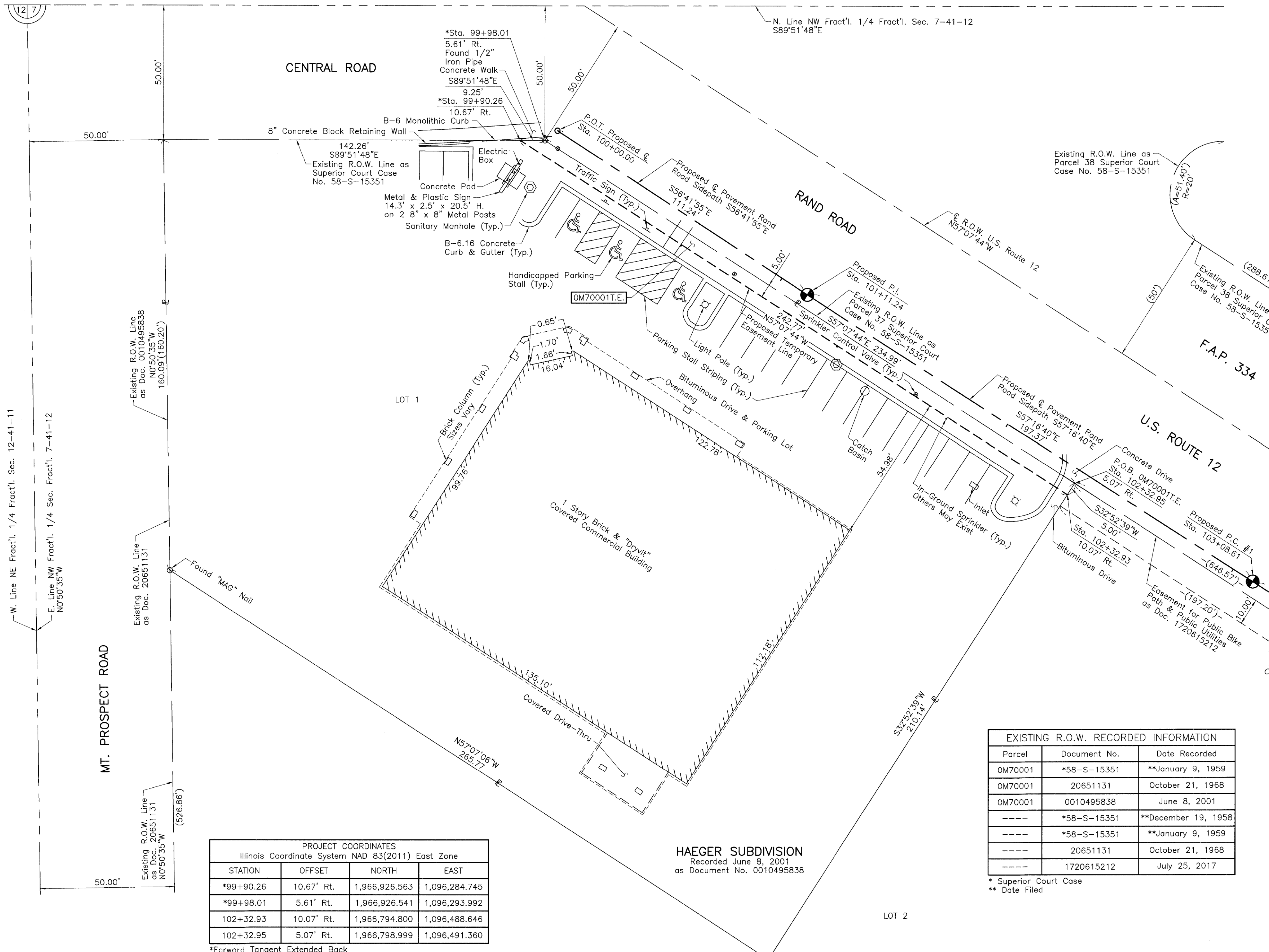
■ STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.

■ M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.

⊙ PERMANENT SURVEY MARKER, I.D.O.T STD 667101-02 (TO BE SET BY OTHERS)

□ RIGHT OF WAY STAKING PROPOSED TO BE SET.

STATE OF ILLINOIS }
COUNTY OF LAKE }SS



PROJECT COORDINATES
Illinois Coordinate System NAD 83(2011) East Zone

STATION	OFFSET	NORTH	EAST
*99+90.26	10.67' Rt.	1,966,926.563	1,096,284.745
*99+98.01	5.61' Rt.	1,966,926.541	1,096,293.992
102+32.93	10.07' Rt.	1,966,794.800	1,096,488.646
102+32.95	5.07' Rt.	1,966,798.999	1,096,491.360

*Forward Tangent Extended Back

EXISTING R.O.W. RECORDED INFORMATION

Parcel	Document No.	Date Recorded
0M70001	*58-S-15351	**January 9, 1959
0M70001	20651131	October 21, 1968
0M70001	0010495838	June 8, 2001
----	*58-S-15351	**December 19, 1958
----	*58-S-15351	**January 9, 1959
----	20651131	October 21, 1968
----	1720615212	July 25, 2017

* Superior Court Case
** Date Filed



Christian H. Jorgensen PRESIDENT
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-2797
LICENSE EXPIRATION DATE: NOVEMBER 30, 2020
THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

All dimensions are measured unless otherwise specified. Areas shown on this plat are ground. All measured and computed distances are grid not ground. To obtain ground distances, divide grid distances shown by the combined factor of 0.9999650645.

Proposed Pavement Rand Road Sidepath Curve #1

P.I.	= Sta. 103+42.03
Δ	= 2'33"08"
R	= 1500.00'
T	= 33.42'
L	= 66.82'
E	= 0.37'
P.C.	= Sta. 103+08.61
P.T.	= Sta. 103+75.43

JORGENSEN & ASSOCIATES, INC.
120 PARK AVENUE
LAKE VILLA, ILLINOIS 60046
(847) 356-3371

SHEET NO 14 OF 156

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
F.A.P. 334 (U.S. ROUTE 12) (RAND ROAD)
LIMITS: CENTRAL ROAD TO ELK BOULEVARD
COUNTY: COOK

SECTION: 14-00221-00-BT JOB NO.: R-90-005-18
STATION 100+00.00 TO STATION 103+75.44
SCALE: 1"=20' SHEET 2 OF 17

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

REVISION DATE REVISION

LEGEND

SECTION CORNER 9 10 16 15
QUARTER SECTION CORNER 16 15

SECTION LINE
QUARTER SECTION LINE
QUARTER, QUARTER SECTION LINE
PLATTED LOT LINE
PROPERTY (DEED) LINE

APL APPARENT PROPERTY LINE
EXISTING CENTER LINE
PROPOSED CENTER LINE
EXISTING RIGHT OF WAY LINE
PROPOSED RIGHT OF WAY LINE
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PROPOSED EASEMENT
EXISTING ACCESS CONTROL LINE
PROPOSED ACCESS CONTROL LINE
MEASURED DIMENSION
COMPUTED DIMENSION
RECORD DIMENSION

EXISTING BUILDING

Bearings and Coordinates are referenced to the Illinois Coordinate System NAD 83(2011) East Zone.

○ IRON PIPE OR ROD FOUND ⊕ "MAG" NAIL SET
+ CUT CROSS FOUND OR SET ● 5/8" REBAR SET

■ STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.

■ M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.

● PERMANENT SURVEY MARKER, I.D.O.T STD 667101-02 (TO BE SET BY OTHERS)

□ RIGHT OF WAY STAKING PROPOSED TO BE SET.

STATE OF ILLINOIS }
COUNTY OF LAKE } SS

THIS IS TO CERTIFY THAT WE, JORGENSEN & ASSOCIATES, INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-2771, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 7, TOWNSHIP 41N., RANGE 12E., OF THE THIRD PRINCIPAL MERIDIAN, COOK 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 LAKE VILLA, ILLINOIS THIS 13th DAY OF March 2012 A.D.

CHRISTIAN H. JORGENSEN
2797 PROFESSIONAL LAND SURVEYOR STATE OF ILLINOIS
LAKE VILLA, ILLINOIS

Christian H. Jorgensen PRESIDENT
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-2797
LICENSE EXPIRATION DATE: NOVEMBER 30, 2020
THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

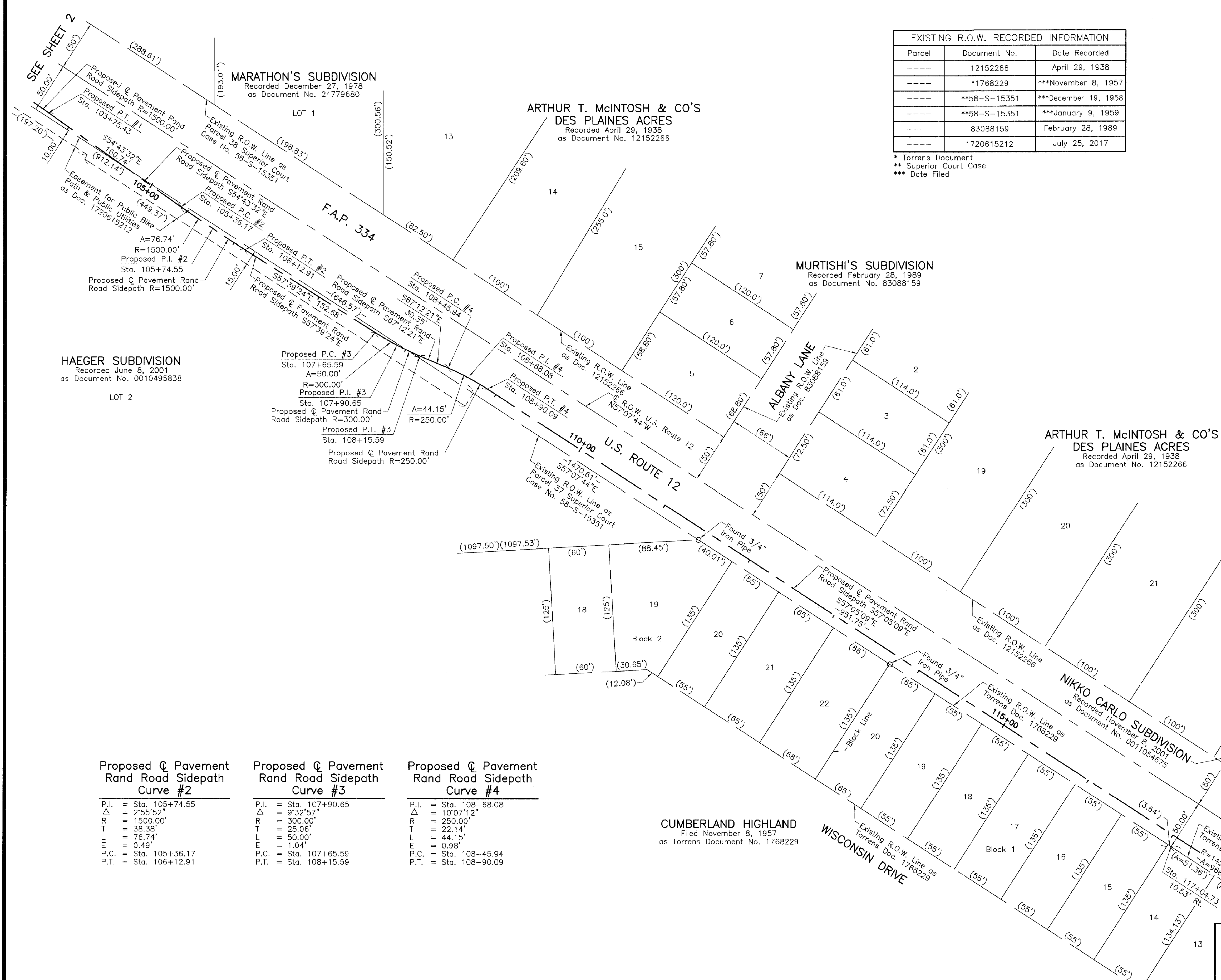
All dimensions are measured unless otherwise specified.
Areas shown on this plat are ground.
All measured and computed distances are grid not ground.
To obtain ground distances, divide grid distances shown by the combined factor of 0.9999650645.

PROJECT COORDINATES Illinois Coordinate System NAD 83(2011) East Zone			
STATION	OFFSET	NORTH	EAST
117+04.73	10.53' Rt.	1,966,000.821	1,097,726.519

SCALE: 1"=50'

EXISTING R.O.W. RECORDED INFORMATION		
Parcel	Document No.	Date Recorded
----	12152266	April 29, 1938
----	*1768229	***November 8, 1957
----	**58-S-15351	***December 19, 1958
----	**58-S-15351	***January 9, 1959
----	83088159	February 28, 1989
----	1720615212	July 25, 2017

* Torrens Document
** Superior Court Case
*** Date Filed



Proposed Pavement Rand Road Sidepath Curve #2		Proposed Pavement Rand Road Sidepath Curve #3		Proposed Pavement Rand Road Sidepath Curve #4	
P.I.	= Sta. 105+74.55	P.I.	= Sta. 107+90.65	P.I.	= Sta. 108+68.08
Δ	= 2'55"52"	Δ	= 9'32"57"	Δ	= 10'07"12"
R	= 1500.00'	R	= 300.00'	R	= 250.00'
T	= 38.38'	T	= 25.06'	T	= 22.14'
L	= 76.74'	L	= 50.00'	L	= 44.15'
E	= 0.49'	E	= 1.04'	E	= 0.98'
P.C.	= Sta. 105+36.17	P.C.	= Sta. 107+65.59	P.C.	= Sta. 108+45.94
P.T.	= Sta. 106+12.91	P.T.	= Sta. 108+15.59	P.T.	= Sta. 108+90.09

REVISION DATE REVISION

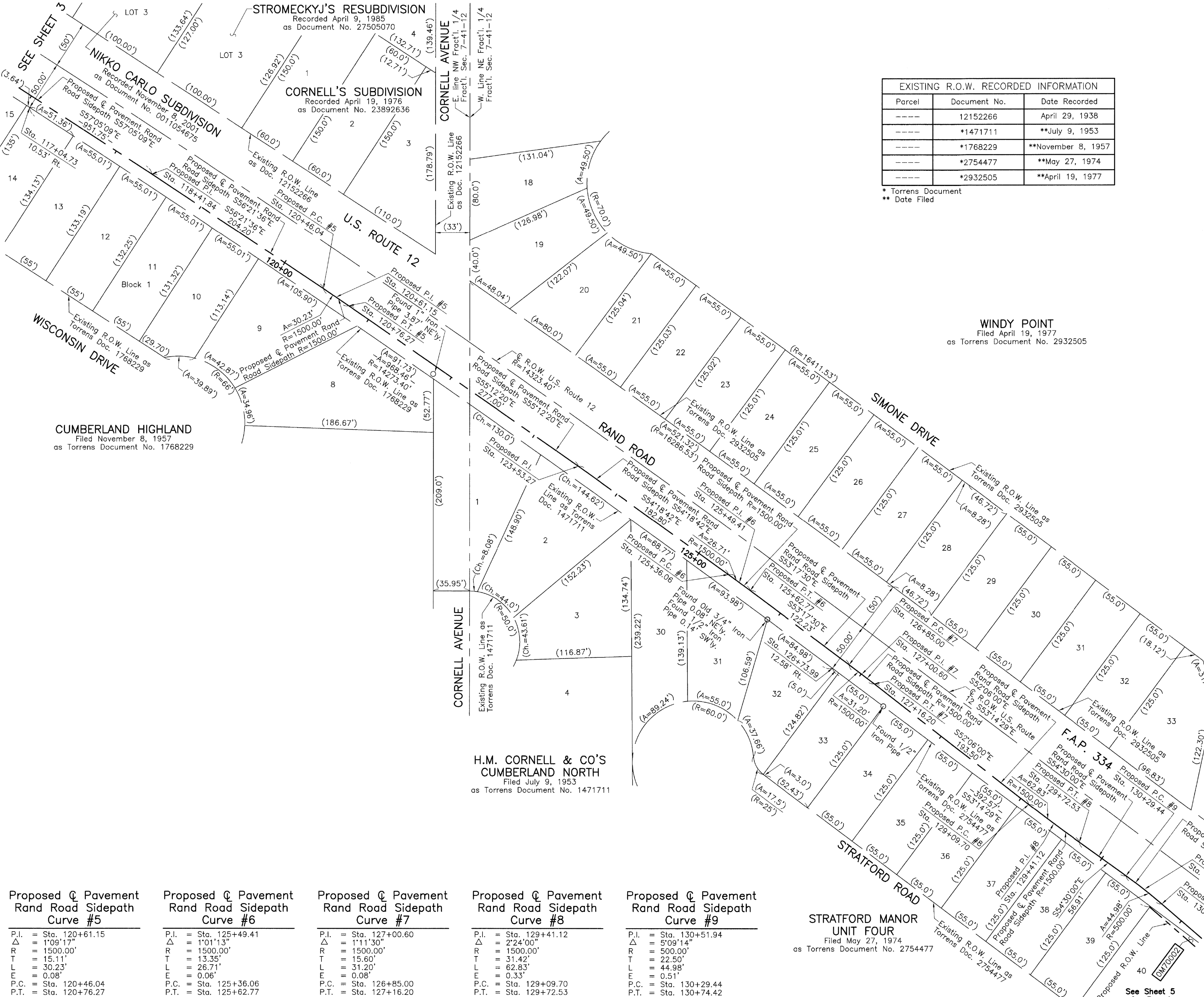
JORGENSEN & ASSOCIATES, INC.
120 PARK AVENUE
LAKE VILLA, ILLINOIS 60046
(847) 356-3371

SHEET NO 15 OF 156

**PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**
F.A.P. 334 (U.S. ROUTE 12) (RAND ROAD)
LIMITS: CENTRAL ROAD TO ELK BOULEVARD
COUNTY: COOK
SECTION: 14-00221-00-BT JOB NO.: R-90-005-18
STATION 103+75.44 TO STATION 118+00
SCALE: 1"=50' SHEET 3 OF 17

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

PART OF THE NORTH FRACTIONAL 1/2 OF FRACTIONAL SEC. 7, TWP. 41 N., R. 12 E. OF THE 3RD. P.M., IN COOK COUNTY, ILLINOIS.



EXISTING R.O.W. RECORDED INFORMATION		
Parcel	Document No.	Date Recorded
----	12152266	April 29, 1938
----	*1471711	**July 9, 1953
----	*1768229	**November 8, 1957
----	*2754477	**May 27, 1974
----	*2932505	**April 19, 1977

* Torrens Document
** Date Filed

WINDY POINT
Filed April 19, 1977
as Torrens Document No. 2932505

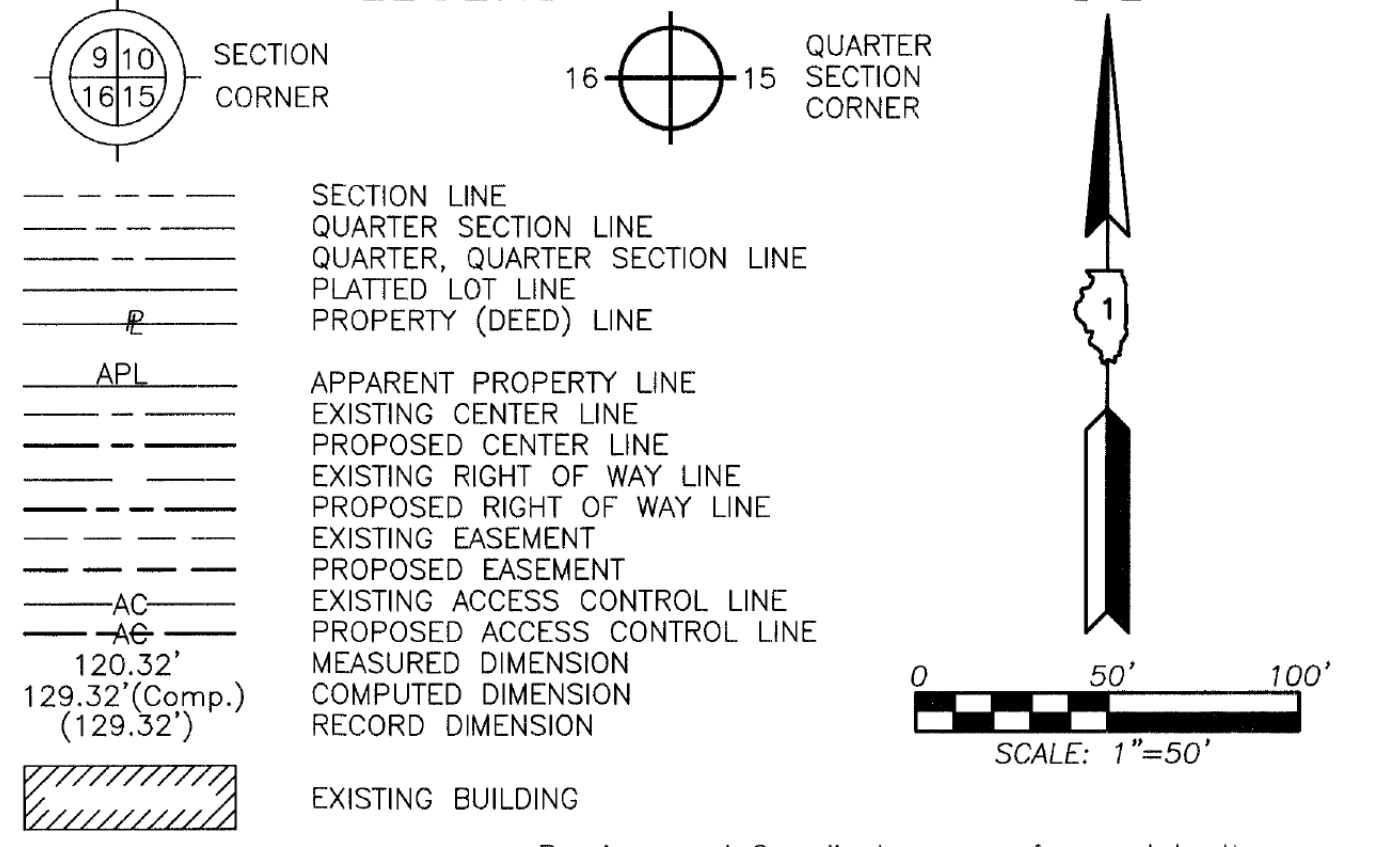
H.M. CORNELL & CO'S CUMBERLAND NORTH
Filed July 9, 1953
as Torrens Document No. 1471711

STRATFORD MANOR UNIT FOUR
Filed May 27, 1974
as Torrens Document No. 2754477

Proposed Pavement Curve #	Proposed Pavement Curve #	Proposed Pavement Curve #	Proposed Pavement Curve #	Proposed Pavement Curve #
P.I. = Sta. 120+61.15 Δ = 1'09'17" R = 1500.00' T = 15.11' L = 30.23' E = 0.08' P.C. = Sta. 120+46.04 P.T. = Sta. 120+76.27	P.I. = Sta. 125+49.41 Δ = 1'01'13" R = 1500.00' T = 13.35' L = 26.71' E = 0.06' P.C. = Sta. 125+36.06 P.T. = Sta. 125+62.77	P.I. = Sta. 127+00.60 Δ = 1'11'30" R = 1500.00' T = 15.60' L = 31.20' E = 0.08' P.C. = Sta. 126+85.00 P.T. = Sta. 127+16.20	P.I. = Sta. 129+41.12 Δ = 2'24'00" R = 1500.00' T = 31.42' L = 62.83' E = 0.33' P.C. = Sta. 129+09.70 P.T. = Sta. 129+72.53	P.I. = Sta. 130+51.94 Δ = 5'09'14" R = 500.00' T = 22.50' L = 44.98' E = 0.51' P.C. = Sta. 130+29.44 P.T. = Sta. 130+74.42

REVISION DATE REVISION

LEGEND



Bearings and Coordinates are referenced to the Illinois Coordinate System NAD 83(2011) East Zone.

- IRON PIPE OR ROD FOUND
- ⊕ "MAG" NAIL SET
- + CUT CROSS FOUND OR SET
- 5/8" REBAR SET
- STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- ⊙ PERMANENT SURVEY MARKER, I.D.O.T STD 667101-02 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET.

STATE OF ILLINOIS }
COUNTY OF LAKE }SS

THIS IS TO CERTIFY THAT WE, JORGENSEN & ASSOCIATES, INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-2771, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 7, TOWNSHIP 41N., RANGE 12E., OF THE THIRD PRINCIPAL MERIDIAN, COOK 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 LAKE VILLA, ILLINOIS THIS 3th DAY OF March 2019 A.D.



Christian H. Jorgensen PRESIDENT
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-2797
LICENSE EXPIRATION DATE: NOVEMBER 30, 2020
THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

All dimensions are measured unless otherwise specified. Areas shown on this plat are ground. All measured and computed distances are grid north distances. To obtain ground distances, divide grid distances shown by the combined factor of 0.9999650645.

PROJECT COORDINATES			
Illinois Coordinate System NAD 83(2011) East Zone			
STATION	OFFSET	NORTH	EAST
117+04.73	10.53' Rt.	1,966,000.821	1,097,726.519
126+73.99	12.58' Rt.	1,965,448.005	1,098,521.476

JORGENSEN & ASSOCIATES, INC.
120 PARK AVENUE
LAKE VILLA, ILLINOIS 60046
(847) 356-3371

SHEET NO 16 OF 156

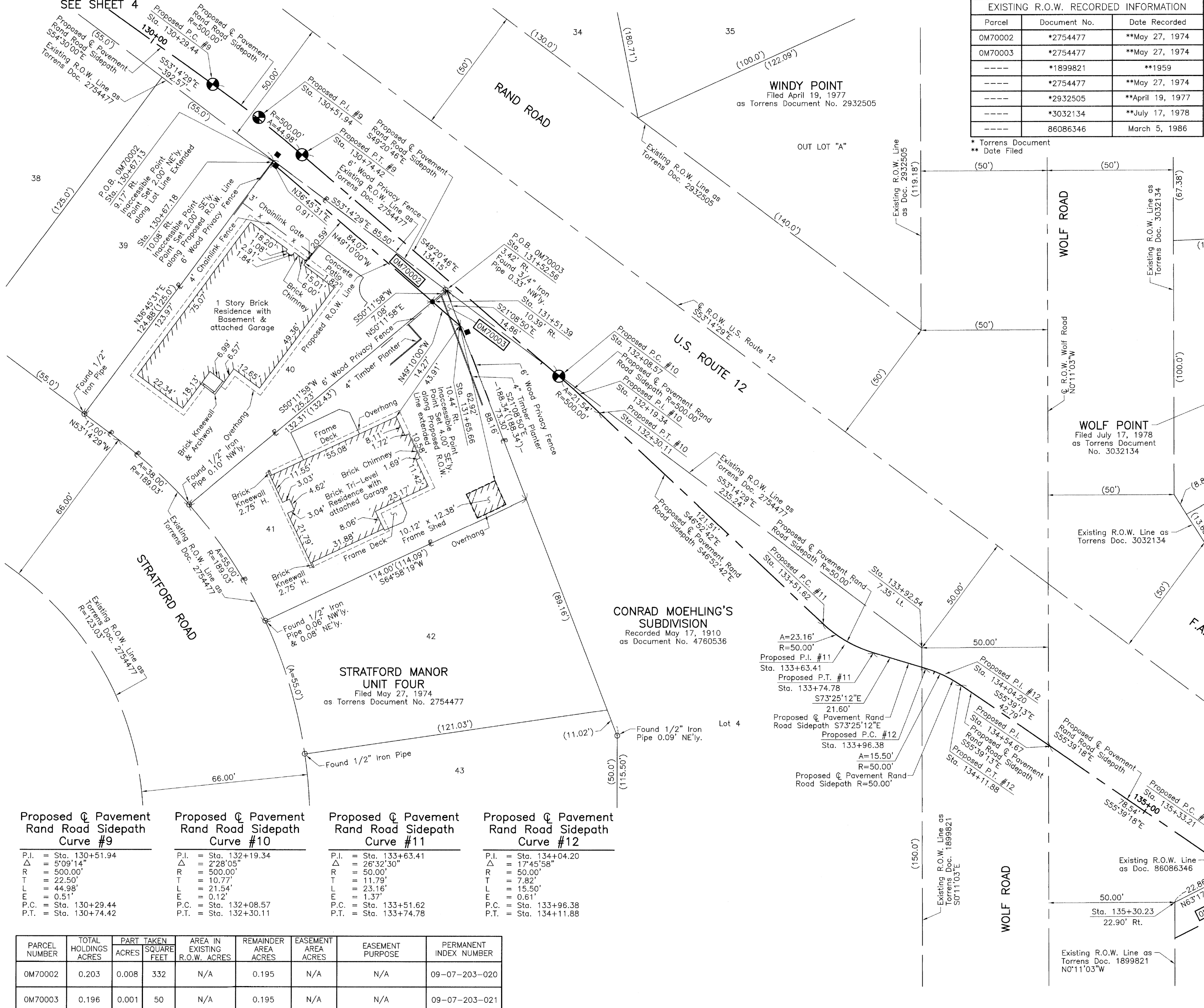
PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
F.A.P. 334 (U.S. ROUTE 12) (RAND ROAD)
LIMITS: CENTRAL ROAD TO ELK BOULEVARD COUNTY: COOK
SECTION: 14-00221-00-BT JOB NO.: R-90-005-18
STATION 117+00 TO STATION 131+00
SCALE: 1"=50' SHEET 4 OF 17

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

IDOT USE ONLY

See Sheet 5 for Parcel 0M70002

PART OF THE NE FRACTIONAL 1/4 OF FRACTIONAL SEC. 7, TWP. 41 N., R. 12 E. OF THE 3RD. P.M., IN COOK COUNTY, ILLINOIS.

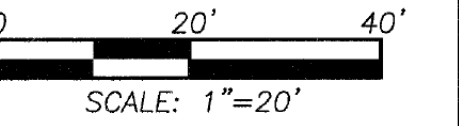


EXISTING R.O.W. RECORDED INFORMATION		
Parcel	Document No.	Date Recorded
OM70002	*2754477	**May 27, 1974
OM70003	*2754477	**May 27, 1974
----	*1899821	**1959
----	*2754477	**May 27, 1974
----	*2932505	**April 19, 1977
----	*3032134	**July 17, 1978
----	86086346	March 5, 1986

* Torrens Document
** Date Filed

LEGEND

- SECTION CORNER
- QUARTER SECTION CORNER
- SECTION LINE
- QUARTER SECTION LINE
- QUARTER, QUARTER SECTION LINE
- PLATTED LOT LINE
- PROPERTY (DEED) LINE
- APL
- APPARENT PROPERTY LINE
- EXISTING CENTER LINE
- PROPOSED CENTER LINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- EXISTING EASEMENT
- PROPOSED EASEMENT
- EXISTING ACCESS CONTROL LINE
- PROPOSED ACCESS CONTROL LINE
- MEASURED DIMENSION
- COMPUTED DIMENSION
- RECORD DIMENSION
- EXISTING BUILDING



Bearings and Coordinates are referenced to the Illinois Coordinate System NAD 83(2011) East Zone.

- IRON PIPE OR ROD FOUND
- CUT CROSS FOUND OR SET
- STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- PERMANENT SURVEY MARKER, I.D.O.T STD 667101-02 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET.

STATE OF ILLINOIS }
COUNTY OF LAKE }

THIS IS TO CERTIFY THAT WE, JORGENSEN & ASSOCIATES, INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-2771, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 7, TOWNSHIP 41N., RANGE 12E., OF THE THIRD PRINCIPAL MERIDIAN, COOK 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 LAKE VILLA, ILLINOIS THIS 1st DAY OF July 2019 A.D.



CHRISTIAN H. JORGENSEN, PRESIDENT
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-2797
LICENSE EXPIRATION DATE: NOVEMBER 30, 2020
THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

All dimensions are measured unless otherwise specified. Areas shown on this plat are ground. All measured and computed distances are grid not ground. To obtain ground distances, divide grid distances shown by the combined factor of 0.9999650645.

PROJECT COORDINATES			
Illinois Coordinate System NAD 83(2011) East Zone			
STATION	OFFSET	NORTH	EAST
130+67.13	9.17' Rt.	1,965,213.075	1,098,835.986
130+67.18	10.08' Rt.	1,965,212.347	1,098,835.443
131+51.39	10.39' Rt.	1,965,157.380	1,098,899.048
131+52.56	3.42' Rt.	1,965,161.909	1,098,904.484
131+65.66	10.44' Rt.	1,965,148.049	1,098,909.845
133+92.54	7.35' Lt.	1,965,021.128	1,099,092.953
135+30.23	22.90' Rt.	1,964,920.664	1,099,193.273

Curve	P.I.	Δ	R	T	L	E	P.C.	P.T.
Proposed Pavement Rand Road Sidepath Curve #9	Sta. 130+51.94	5°09'14"	500.00'	22.50'	44.98'	0.51'	Sta. 130+29.44	Sta. 130+74.42
Proposed Pavement Rand Road Sidepath Curve #10	Sta. 132+19.34	2°28'05"	500.00'	10.77'	21.54'	0.12'	Sta. 132+08.57	Sta. 132+30.11
Proposed Pavement Rand Road Sidepath Curve #11	Sta. 133+63.41	26°32'30"	50.00'	11.79'	23.16'	1.37'	Sta. 133+51.62	Sta. 133+74.78
Proposed Pavement Rand Road Sidepath Curve #12	Sta. 134+04.20	17°45'58"	50.00'	7.82'	15.50'	0.61'	Sta. 133+96.38	Sta. 134+11.88

PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	SQUARE FEET	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA ACRES	EASEMENT PURPOSE	PERMANENT INDEX NUMBER
OM70002	0.203	0.008	332	N/A	0.195	N/A	N/A	09-07-203-020
OM70003	0.196	0.001	50	N/A	0.195	N/A	N/A	09-07-203-021

REVISION DATE REVISION

JORGENSEN & ASSOCIATES, INC.
120 PARK AVENUE
LAKE VILLA, ILLINOIS 60046
(847) 356-3371

SHEET NO 17 OF 156

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
F.A.P. 334 (U.S. ROUTE 12) (RAND ROAD)
LIMITS: CENTRAL ROAD TO ELK BOULEVARD
COUNTY: COOK
SECTION: 14-00221-00-BT JOB NO.: R-90-005-18
STATION 130+00 TO STATION 135+33.21
SCALE: 1"=20' SHEET 5 OF 17

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

PART OF THE SE 1/4 OF FRACTIONAL SEC. 7 AND PART OF THE SW 1/4 OF FRACTIONAL SEC. 8, TWP. 41 N., R. 12 E. OF THE 3RD. P.M., IN COOK COUNTY, ILLINOIS.

LEGEND

SECTION CORNER
QUARTER SECTION CORNER

SECTION LINE
QUARTER SECTION LINE
QUARTER, QUARTER SECTION LINE
PLATTED LOT LINE
PROPERTY (DEED) LINE

APL
APPARENT PROPERTY LINE
EXISTING CENTER LINE
PROPOSED CENTER LINE
EXISTING RIGHT OF WAY LINE
PROPOSED RIGHT OF WAY LINE
EXISTING EASEMENT
PROPOSED EASEMENT
EXISTING ACCESS CONTROL LINE
PROPOSED ACCESS CONTROL LINE
MEASURED DIMENSION
COMPUTED DIMENSION
RECORD DIMENSION

EXISTING BUILDING

Bearings and Coordinates are referenced to the Illinois Coordinate System NAD 83(2011) East Zone.

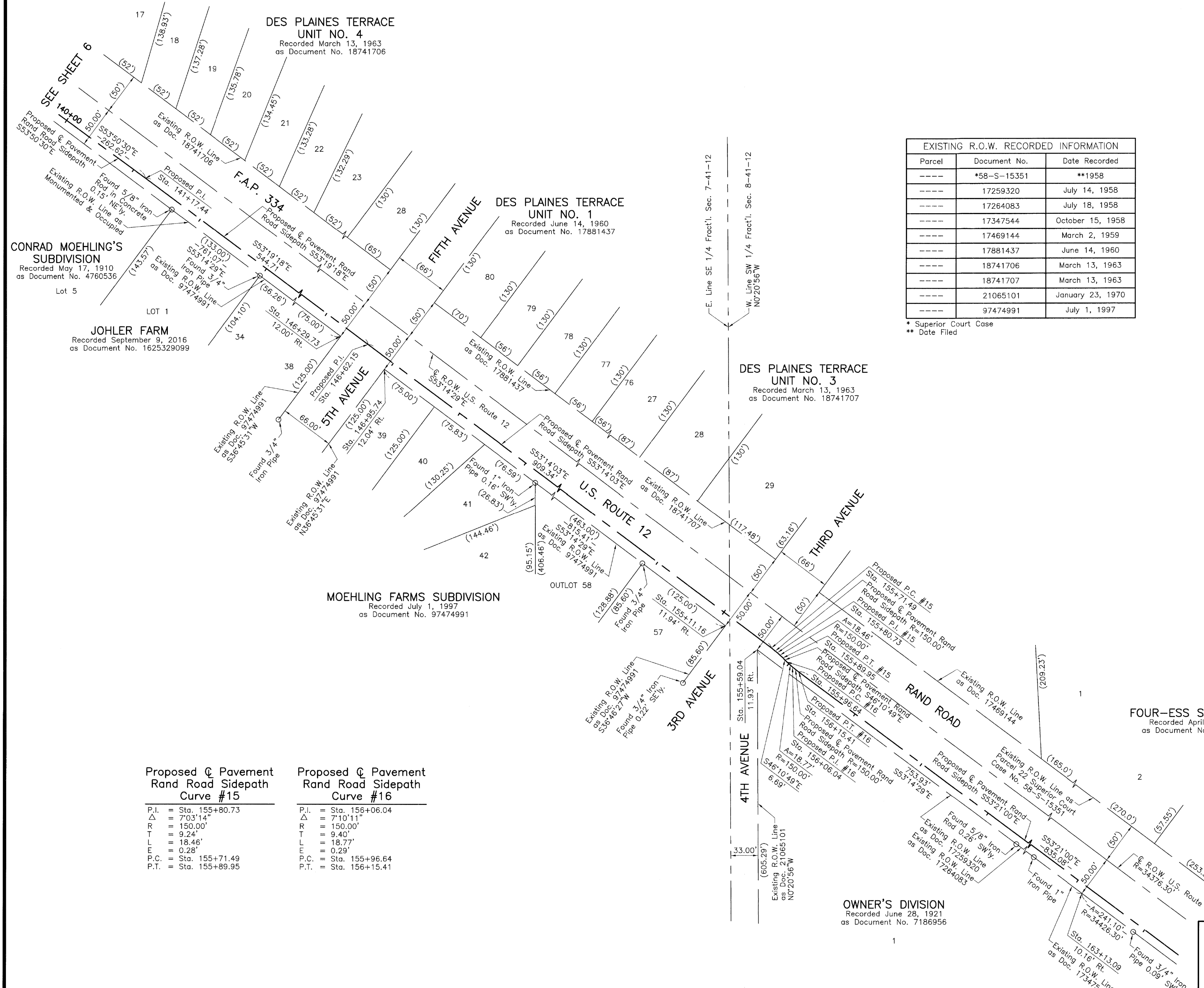
IRON PIPE OR ROD FOUND
CUT CROSS FOUND OR SET
STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
PERMANENT SURVEY MARKER, I.D.O.T STD 667101-02 (TO BE SET BY OTHERS)
RIGHT OF WAY STAKING PROPOSED TO BE SET.

STATE OF ILLINOIS }
COUNTY OF LAKE } SS

SCALE: 1"=60'

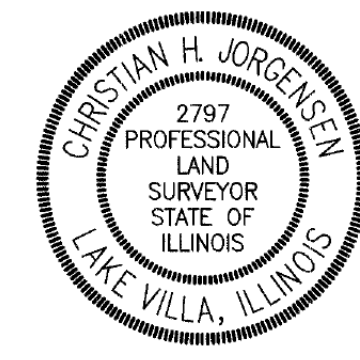
EXISTING R.O.W. RECORDED INFORMATION		
Parcel	Document No.	Date Recorded
----	*58-S-15351	**1958
----	17259320	July 14, 1958
----	17264083	July 18, 1958
----	17347544	October 15, 1958
----	17469144	March 2, 1959
----	17881437	June 14, 1960
----	18741706	March 13, 1963
----	18741707	March 13, 1963
----	21065101	January 23, 1970
----	97474991	July 1, 1997

* Superior Court Case
** Date Filed



Proposed Q Pavement Rand Road Sidewalk Curve #15		Proposed Q Pavement Rand Road Sidewalk Curve #16	
P.I.	= Sta. 155+80.73	P.I.	= Sta. 156+06.04
Δ	= 7°03'14"	Δ	= 7°10'11"
R	= 150.00'	R	= 150.00'
T	= 9.24'	T	= 9.40'
L	= 18.46'	L	= 18.77'
E	= 0.28'	E	= 0.29'
P.C.	= Sta. 155+71.49	P.C.	= Sta. 155+96.64
P.T.	= Sta. 155+89.95	P.T.	= Sta. 156+15.41

PROJECT COORDINATES				
Illinois Coordinate System NAD 83(2011) East Zone				
STATION	OFFSET	NORTH	EAST	
146+29.73	12.00' Rt.	1,964,279.991	1,100,085.142	
146+95.74	12.04' Rt.	1,964,240.495	1,100,138.016	
155+11.16	11.94' Rt.	1,963,752.513	1,100,791.296	
155+59.04	11.93' Rt.	1,963,723.861	1,100,829.654	
163+13.09	10.16' Rt.	1,963,272.675	1,101,433.674	



Christian H. Jorgensen PRESIDENT
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-2797
LICENSE EXPIRATION DATE: NOVEMBER 30, 2020

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.
All dimensions are measured unless otherwise specified. Areas shown on this plat are ground. All measured and computed distances are grid not ground. To obtain ground distances, divide grid distances shown by the combined factor of 0.9999650645.

JORGENSEN & ASSOCIATES, INC.
120 PARK AVENUE
LAKE VILLA, ILLINOIS 60046
(847) 356-3371

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
F.A.P. 334 (U.S. ROUTE 12) (RAND ROAD)
LIMITS: CENTRAL ROAD TO ELK BOULEVARD
COUNTY: COOK
SECTION: 14-00221-00-BT JOB NO.: R-90-005-18
STATION 140+00 TO STATION 164+00
SCALE: 1"=60' SHEET 7 OF 17

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

REVISION DATE REVISION

PART OF THE SW 1/4 OF SEC. FRACTIONAL 8, TWP. 41 N., R. 12 E. OF THE 3RD. P.M., IN COOK COUNTY, ILLINOIS.

PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA ACRES	EASEMENT SQUARE FEET	EASEMENT PURPOSE	PERMANENT INDEX NUMBER
0M70006T.E.	0.763	N/A	N/A	0.763	0.004	168	Grading	09-08-301-007

LEGEND

SECTION CORNER 9 10 16 15
QUARTER SECTION CORNER

SECTION LINE
QUARTER SECTION LINE
QUARTER, QUARTER SECTION LINE
PLATTED LOT LINE
PROPERTY (DEED) LINE

APL
APPARENT PROPERTY LINE
EXISTING CENTER LINE
PROPOSED CENTER LINE
EXISTING RIGHT OF WAY LINE
PROPOSED RIGHT OF WAY LINE
EXISTING EASEMENT
PROPOSED EASEMENT
EXISTING ACCESS CONTROL LINE
PROPOSED ACCESS CONTROL LINE
MEASURED DIMENSION
COMPUTED DIMENSION
RECORD DIMENSION

EXISTING BUILDING

Bearings and Coordinates are referenced to the Illinois Coordinate System NAD 83(2011) East Zone.

○ IRON PIPE OR ROD FOUND ⊕ "MAG" NAIL SET
+ CUT CROSS FOUND OR SET ● 5/8" REBAR SET

■ STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.

■ M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.

⊙ PERMANENT SURVEY MARKER, I.D.O.T STD 667101-02 (TO BE SET BY OTHERS)

□ RIGHT OF WAY STAKING PROPOSED TO BE SET.

STATE OF ILLINOIS }
COUNTY OF LAKE } SS

THIS IS TO CERTIFY THAT WE, JORGENSEN & ASSOCIATES, INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-2771, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 8, TOWNSHIP 41 N., RANGE 12 E., OF THE THIRD PRINCIPAL MERIDIAN, COOK 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 LAKE VILLA, ILLINOIS THIS 3rd DAY OF March 2019 A.D.

Christian H. Jorgensen PRESIDENT
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-2797
LICENSE EXPIRATION DATE: NOVEMBER 30, 2020
THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

All dimensions on this plat are ground.
All measured and computed distances are grid not ground.
To obtain ground distances, divide grid distances shown by the combined factor of 0.9999650645.

PROJECT COORDINATES Illinois Coordinate System NAD 83(2011) East Zone			
STATION	OFFSET	NORTH	EAST
165+54.34	13.02' Rt.	1,963,129.066	1,101,627.340
166+10.20	12.40' Rt.	1,963,095.988	1,101,672.352
166+10.25	17.18' Rt.	1,963,092.141	1,101,669.518
166+44.98	11.96' Rt.	1,963,075.425	1,101,700.411
166+45.03	16.83' Rt.	1,963,071.507	1,101,697.525
166+94.00	10.69' Rt.	1,963,046.598	1,101,739.847
167+64.73	8.51' Rt.	1,963,004.934	1,101,797.053

JORGENSEN & ASSOCIATES, INC.
120 PARK AVENUE
LAKE VILLA, ILLINOIS 60046
(847) 356-3371

SHEET NO 20 OF 156

**PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**
F.A.P. 334 (U.S. ROUTE 12) (RAND ROAD)
LIMITS: CENTRAL ROAD TO ELK BOULEVARD COUNTY: COOK
SECTION: 14-00221-00-BT JOB NO.: R-90-005-18
STATION 164+00 TO STATION 169+00
SCALE: 1"=20' SHEET 8 OF 17

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

EXISTING R.O.W. RECORDED INFORMATION

Parcel	Document No.	Date Recorded
0M70006	17259319	July 14, 1958
----	17347544	October 15, 1958
----	17452952	1959
----	23460714	April 23, 1976

Proposed Pavement Rand Road Sidepath Curve #17

P.I. = Sta. 164+66.01
Δ = 3'33"23"
R = 500.00'
T = 15.52'
L = 31.04'
E = 0.24'
P.C. = Sta. 164+50.49
P.T. = Sta. 164+81.53

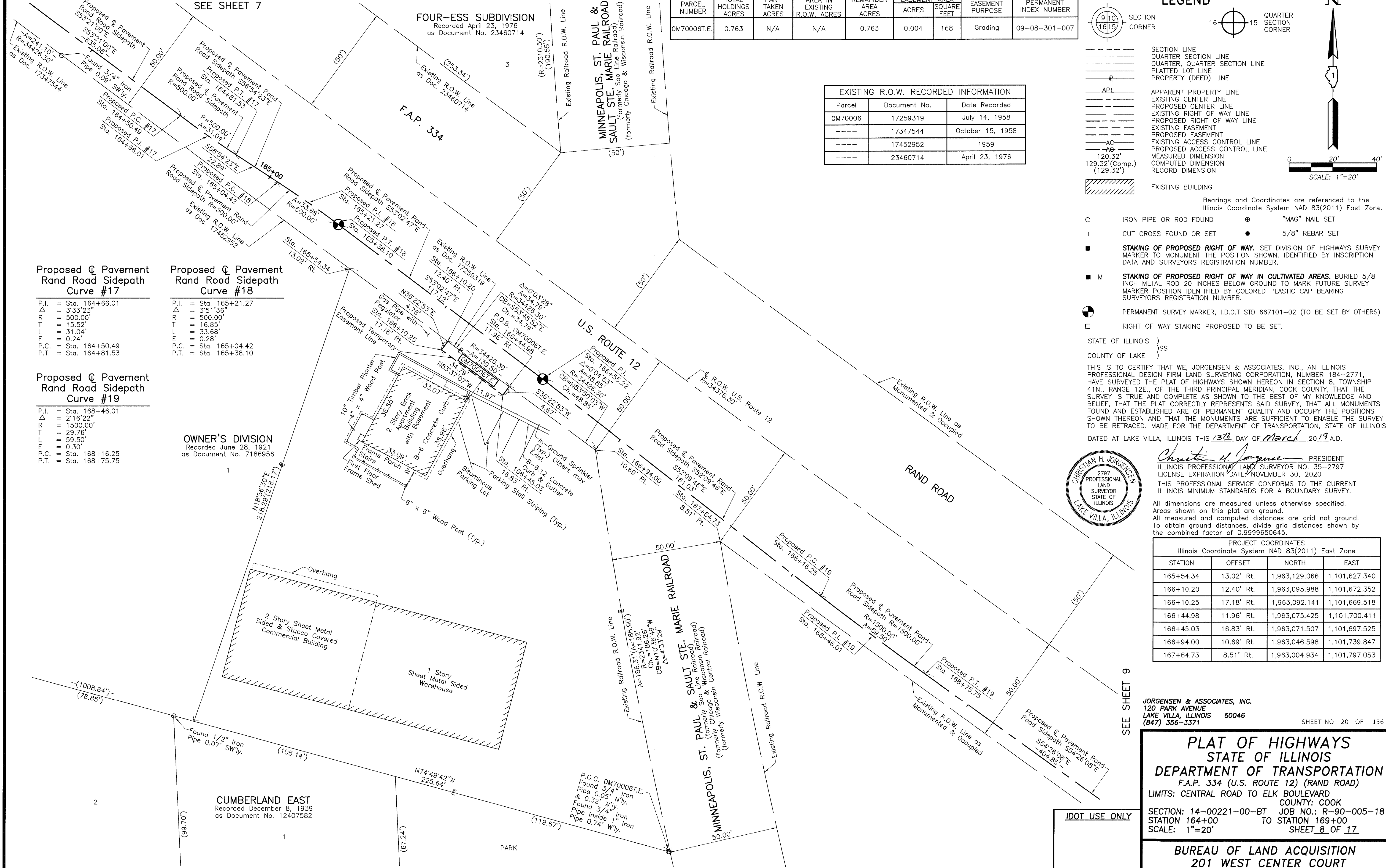
Proposed Pavement Rand Road Sidepath Curve #18

P.I. = Sta. 165+21.27
Δ = 3'51"36"
R = 500.00'
T = 16.85'
L = 33.68'
E = 0.28'
P.C. = Sta. 165+04.42
P.T. = Sta. 165+38.10

Proposed Pavement Rand Road Sidepath Curve #19

P.I. = Sta. 168+46.01
Δ = 2'16"22"
R = 1500.00'
T = 29.76'
L = 59.50'
E = 0.30'
P.C. = Sta. 168+16.25
P.T. = Sta. 168+75.75

OWNER'S DIVISION
Recorded June 28, 1921
as Document No. 7186956



REVISION DATE REVISION

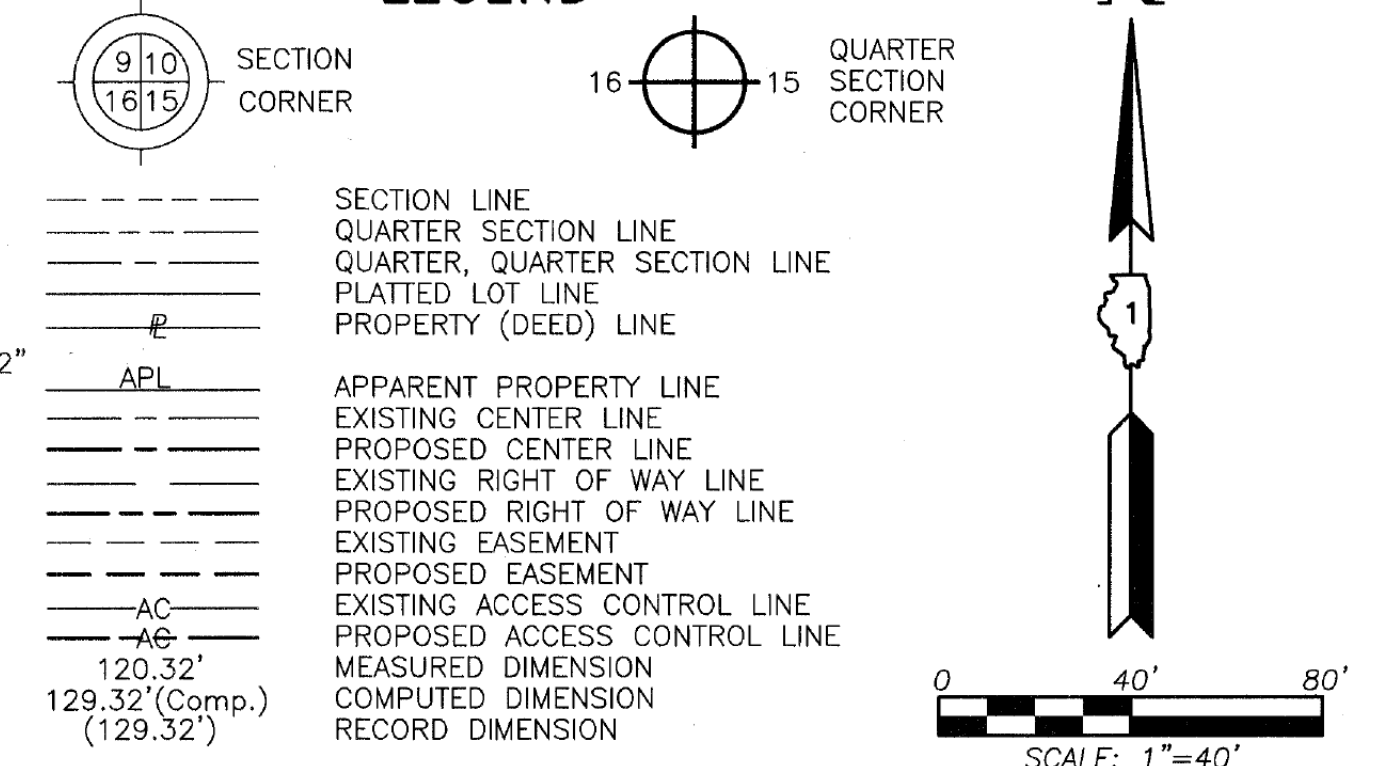
IDOT USE ONLY

SEE SHEET 9

PART OF THE SW 1/4 OF FRACTIONAL SEC. 8 AND PART OF THE NORTH 1/2 OF SEC. 17, TWP. 41 N., R. 12 E. OF THE 3RD. P.M., IN COOK COUNTY, ILLINOIS.

PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA ACRES	EASEMENT PURPOSE	PERMANENT INDEX NUMBER
OM7007P.E.	47.218	N/A	N/A	47.218	0.059	Compensatory Storage Purposes	09-17-100-020 09-17-100-036

LEGEND



Bearings and Coordinates are referenced to the Illinois Coordinate System NAD 83(2011) East Zone.

- IRON PIPE OR ROD FOUND
- ⊕ "MAG" NAIL SET
- + CUT CROSS FOUND OR SET
- 5/8" REBAR SET
- STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- ⊙ PERMANENT SURVEY MARKER, I.D.O.T STD 667101-02 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET.

THIS IS TO CERTIFY THAT WE, JORGENSEN & ASSOCIATES, INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-2771, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON BETWEEN SECTION 8, TOWNSHIP 41N., RANGE 12E. AND SECTION 17, TOWNSHIP 41N., RANGE 12E., OF THE THIRD PRINCIPAL MERIDIAN, COOK 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 LAKE VILLA, ILLINOIS THIS 3rd DAY OF March 20 19 A.D.



Christian H. Jorgensen PRESIDENT
 ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-2797
 LICENSE EXPIRATION DATE: NOVEMBER 30, 2020
 THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.
 All dimensions are measured unless otherwise specified.
 Areas shown on this plat are ground.
 All measured and computed distances are grid not ground.
 To obtain ground distances, divide grid distances shown by the combined factor of 0.9999650645.

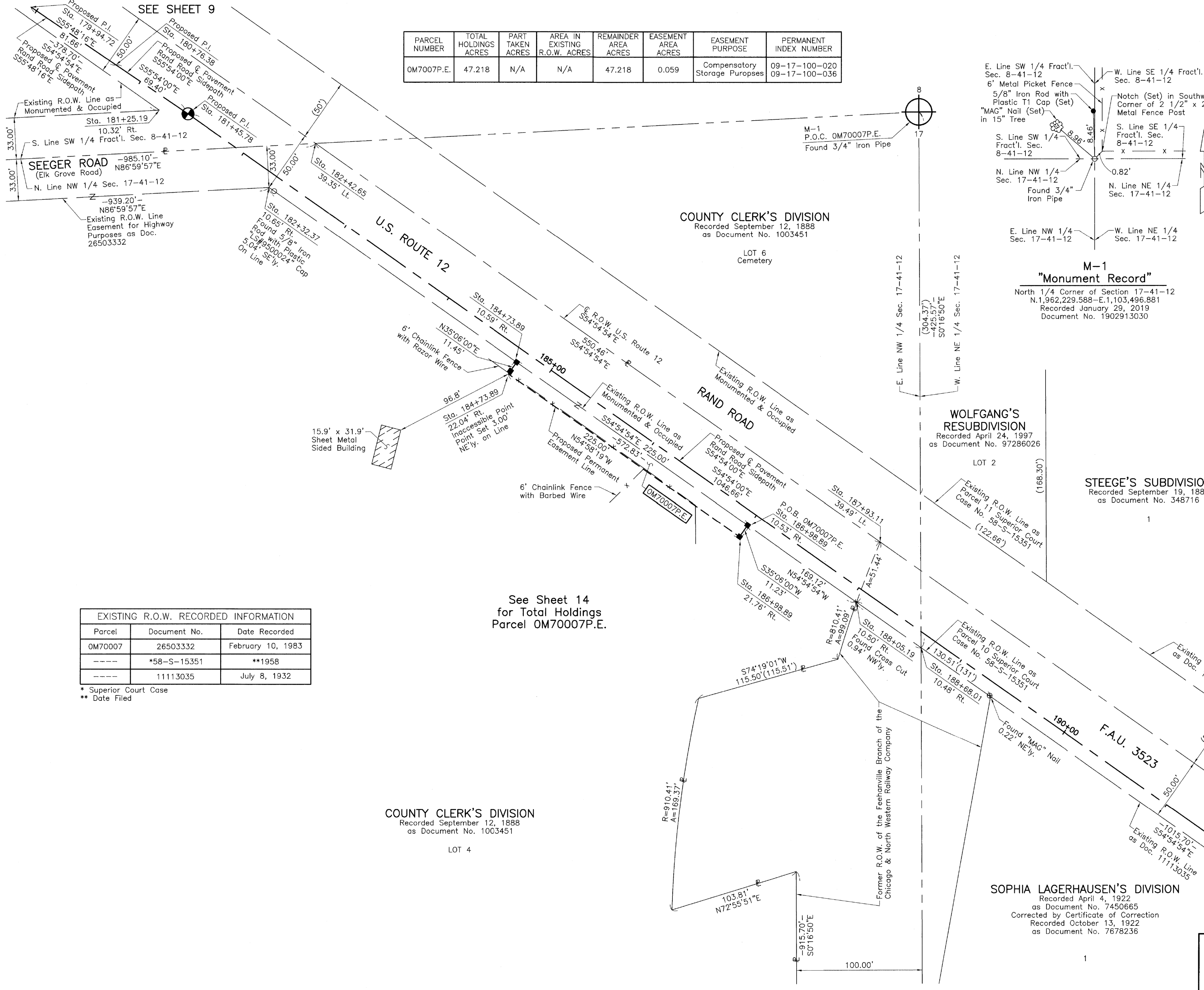
PROJECT COORDINATES			
Illinois Coordinate System NAD 83(2011) East Zone			
STATION	OFFSET	NORTH	EAST
181+25.19	10.32' Rt.	1,962,230.883	1,102,891.264
182+32.37	10.65' Rt.	1,962,169.385	1,102,978.816
182+42.65	39.35' Lt.	1,962,204.377	1,103,015.984
184+73.89	10.59' Rt.	1,962,030.559	1,103,176.454
184+73.89	22.04' Rt.	1,962,021.188	1,103,169.868
186+98.89	10.53' Rt.	1,961,901.231	1,103,360.572
186+98.89	21.76' Rt.	1,961,892.043	1,103,354.114
187+93.11	39.49' Lt.	1,961,887.978	1,103,466.423
188+05.19	10.50' Rt.	1,961,840.128	1,103,447.560
188+68.01	10.48' Rt.	1,961,804.020	1,103,498.965

JORGENSEN & ASSOCIATES, INC.
 120 PARK AVENUE
 LAKE VILLA, ILLINOIS 60046
 (847) 356-3371

SHEET NO 22 OF 156

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
 F.A.U. 3523 (U.S. ROUTE 12) (RAND ROAD)
 LIMITS: CENTRAL ROAD TO ELK BOULEVARD
 COUNTY: COOK
 SECTION: 14-00221-00-BT JOB NO.: R-90-005-18
 STATION 179+94.72 TO STATION 192+00
 SCALE: 1"=40' SHEET 10 OF 17

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



EXISTING R.O.W. RECORDED INFORMATION		
Parcel	Document No.	Date Recorded
OM70007	26503332	February 10, 1983
----	*58-S-15351	**1958
----	11113035	July 8, 1932

* Superior Court Case
 ** Date Filed

See Sheet 14
 for Total Holdings
 Parcel OM70007P.E.

COUNTY CLERK'S DIVISION
 Recorded September 12, 1888
 as Document No. 1003451

LOT 4

COUNTY CLERK'S DIVISION
 Recorded September 12, 1888
 as Document No. 1003451

LOT 6
 Cemetery

WOLFGANG'S
 RESUBDIVISION
 Recorded April 24, 1997
 as Document No. 97286026

LOT 2

STEEGE'S SUBDIVISION
 Recorded September 19, 1881
 as Document No. 348716

Existing R.O.W. Line as
 Parcel 10 Superior Court
 Case No. 58-S-15351
 (122.66')

Existing R.O.W. Line as
 Parcel 11 Superior Court
 Case No. 58-S-15351
 (122.66')

Existing R.O.W. Line as
 Parcel 10 Superior Court
 Case No. 58-S-15351
 (122.66')

Existing R.O.W. Line as
 Parcel 10 Superior Court
 Case No. 58-S-15351
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 Case No. 58-S-15351
 (122.66')

Existing R.O.W. Line as
 Parcel 10 Superior Court
 Case No. 58-S-15351
 (122.66')

Existing R.O.W. Line as
 Parcel 10 Superior Court
 Case No. 58-S-15351
 (122.66')

REVISION DATE REVISION

IDOT USE ONLY

PART OF THE NE 1/4 OF SEC. 17, TWP. 41 N., R. 12 E. OF THE 3RD. P.M., IN COOK COUNTY, ILLINOIS.

PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA ACRES	EASEMENT PURPOSE	PERMANENT INDEX NUMBER
0M70008P.E.	2.228	N/A	N/A	2.228	0.034	Compensatory Storage Purposes	09-17-204-013

GEWECKE'S SUBDIVISION
Recorded July 19, 1904
as Document No. 3567356

EXISTING R.O.W. RECORDED INFORMATION

Parcel	Document No.	Date Recorded
0M70008	10627380	April 3, 1930
----	7450665	April 4, 1922
----	11113035	July 8, 1932
----	*58-S-15351	**November 19, 1958
----	*58-S-15351	**November 28, 1958

* Superior Court Case
** Date Filed

LEGEND

SECTION CORNER: 9 10 16 15
QUARTER SECTION CORNER: 16 15

SECTION LINE
QUARTER SECTION LINE
QUARTER, QUARTER SECTION LINE
PLATTED LOT LINE
PROPERTY (DEED) LINE

APL
APPARENT PROPERTY LINE
EXISTING CENTER LINE
PROPOSED CENTER LINE
EXISTING RIGHT OF WAY LINE
PROPOSED RIGHT OF WAY LINE
EXISTING EASEMENT
PROPOSED EASEMENT
EXISTING ACCESS CONTROL LINE
PROPOSED ACCESS CONTROL LINE
MEASURED DIMENSION
COMPUTED DIMENSION
RECORD DIMENSION

EXISTING BUILDING

Bearings and Coordinates are referenced to the Illinois Coordinate System NAD 83(2011) East Zone.

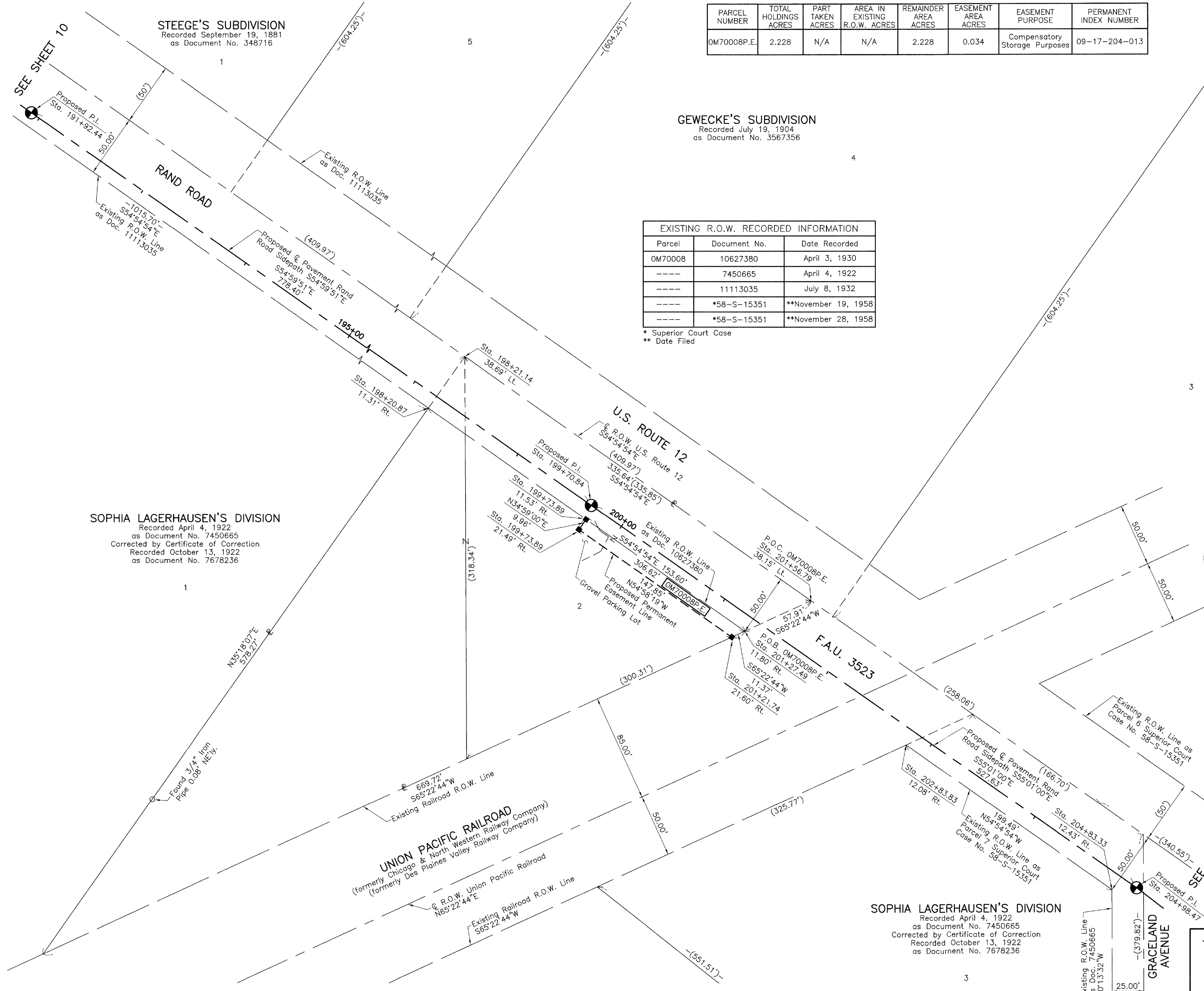
○ IRON PIPE OR ROD FOUND ⊕ "MAG" NAIL SET
+ CUT CROSS FOUND OR SET ● 5/8" REBAR SET

■ STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.

■ M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.

⊙ PERMANENT SURVEY MARKER, I.D.O.T STD 667101-02 (TO BE SET BY OTHERS)

□ RIGHT OF WAY STAKING PROPOSED TO BE SET.



STATE OF ILLINOIS }
COUNTY OF LAKE } SS

THIS IS TO CERTIFY THAT WE, JORGENSEN & ASSOCIATES, INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-2771, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 17, TOWNSHIP 41N., RANGE 12E., OF THE THIRD PRINCIPAL MERIDIAN, COOK 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 LAKE VILLA, ILLINOIS THIS 13th DAY OF March 20 19 A.D.



Christian H. Jorgensen PRESIDENT
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-2797
LICENSE EXPIRATION DATE: NOVEMBER 30, 2020
THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

All dimensions are measured unless otherwise specified.
Areas shown on this plat are ground.
All measured and computed distances are grid not ground.
To obtain ground distances, divide grid distances shown by the combined factor of 0.9999650645.

PROJECT COORDINATES
Illinois Coordinate System NAD 83(2011) East Zone

STATION	OFFSET	NORTH	EAST
198+20.87	11.31' Rt.	1,961,256.311	1,104,278.706
198+21.14	38.69' Lt.	1,961,297.116	1,104,307.600
199+73.89	11.53' Rt.	1,961,168.357	1,104,403.922
199+73.89	21.49' Rt.	1,961,160.196	1,104,398.210
201+21.74	21.60' Rt.	1,961,075.333	1,104,519.282
201+27.49	11.80' Rt.	1,961,080.068	1,104,529.614
201+56.79	38.15' Lt.	1,961,104.192	1,104,582.255
202+83.83	12.08' Rt.	1,960,990.202	1,104,657.551
204+83.33	12.43' Rt.	1,960,875.535	1,104,820.796

JORGENSEN & ASSOCIATES, INC.
120 PARK AVENUE
LAKE VILLA, ILLINOIS 60046
(847) 356-3371

SHEET NO 23 OF 156

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
F.A.U. 3523 (U.S. ROUTE 12) (RAND ROAD)
LIMITS: CENTRAL ROAD TO ELK BOULEVARD COUNTY: COOK
SECTION: 14-00221-00-BT JOB NO.: R-90-005-18
STATION 191+92.44 TO STATION 205+00
SCALE: 1"=40' SHEET 11 OF 17

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

REVISION DATE REVISION

PART OF THE NE 1/4 OF SEC. 17, TWP. 41 N., R. 12 E. OF THE 3RD. P.M., IN COOK COUNTY, ILLINOIS.
SEE SHEET 11

GEWECKE'S SUBDIVISION
Recorded July 19, 1904
as Document No. 3567356

STADE & BEHRENS' SUBDIVISION
Recorded June 5, 1923
as Document No. 7964914

H. ROY BERRY CO'S RIVER-RAND SUBDIVISION
Recorded April 12, 1927
as Document No. 9612646

EXISTING R.O.W. RECORDED INFORMATION		
Parcel	Document No.	Date Recorded
----	7450665	April 4, 1922
----	9612646	April 12, 1927
----	9618025	April 18, 1927
----	*58-S-15351	**November 19, 1958
----	*58-S-15351	**November 28, 1958
----	*58-S-15351	**December 19, 1958

* Superior Court Case
** Date Filed

LEGEND

SECTION CORNER: 910, 1615
QUARTER SECTION CORNER: 16, 15

SECTION LINE
QUARTER SECTION LINE
QUARTER, QUARTER SECTION LINE
PLATTED LOT LINE
PROPERTY (DEED) LINE

APL
APPARENT PROPERTY LINE
EXISTING CENTER LINE
PROPOSED CENTER LINE
EXISTING RIGHT OF WAY LINE
PROPOSED RIGHT OF WAY LINE
EXISTING EASEMENT
PROPOSED EASEMENT
EXISTING ACCESS CONTROL LINE
PROPOSED ACCESS CONTROL LINE
MEASURED DIMENSION
COMPUTED DIMENSION
RECORD DIMENSION

EXISTING BUILDING

Bearings and Coordinates are referenced to the Illinois Coordinate System NAD 83(2011) East Zone.

○ IRON PIPE OR ROD FOUND ⊕ "MAG" NAIL SET
+ CUT CROSS FOUND OR SET ● 5/8" REBAR SET

■ STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.

■ M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.

⊙ PERMANENT SURVEY MARKER, I.D.O.T STD 667101-02 (TO BE SET BY OTHERS)

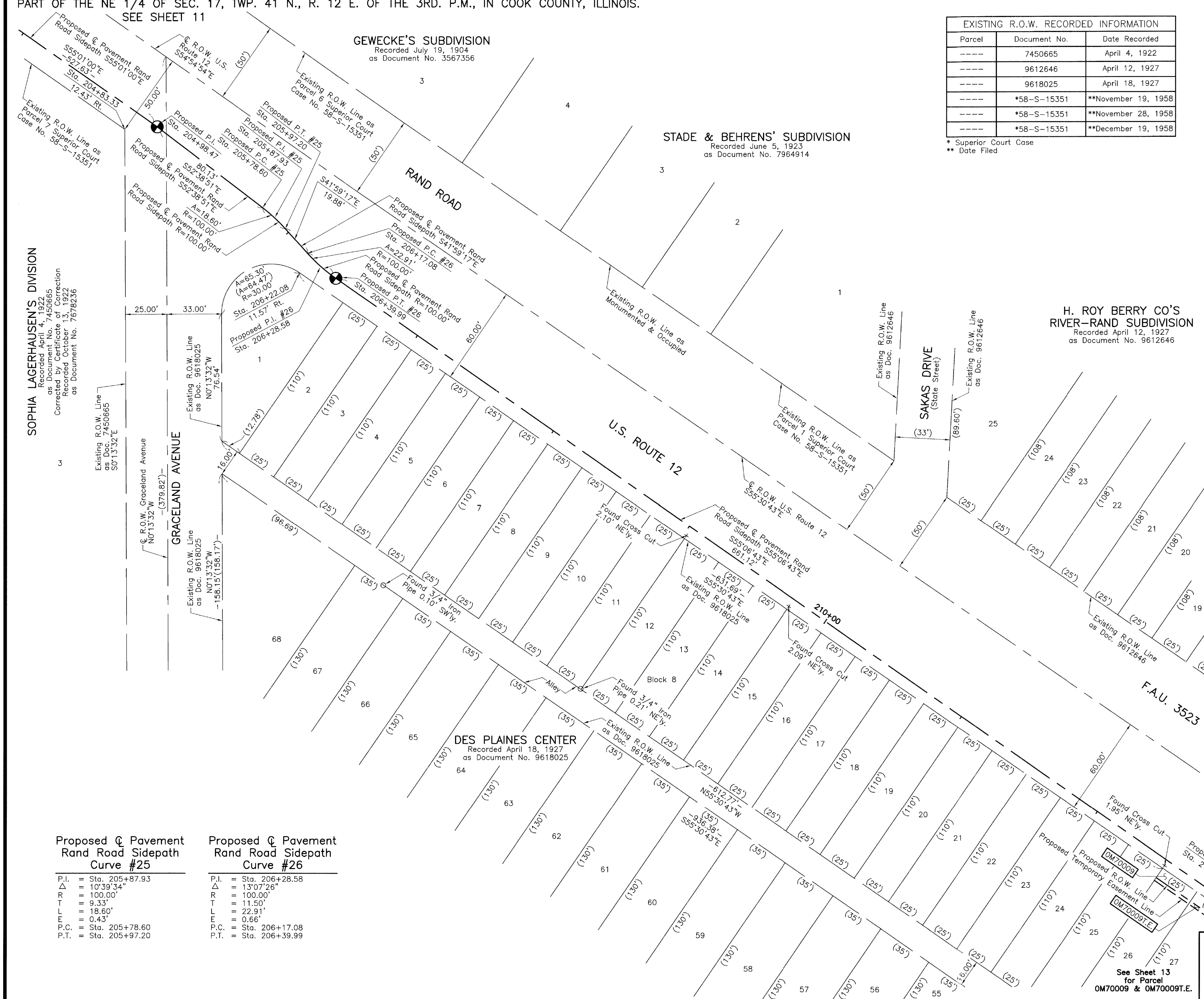
□ RIGHT OF WAY STAKING PROPOSED TO BE SET.

STATE OF ILLINOIS }
 } SS
COUNTY OF LAKE }
 } SS

THIS IS TO CERTIFY THAT WE, JORGENSEN & ASSOCIATES, INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-2771, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 17, TOWNSHIP 41N., RANGE 12E., OF THE THIRD PRINCIPAL MERIDIAN, COOK 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 LAKE VILLA, ILLINOIS THIS 13th DAY OF March 2019 A.D.

SOPHIA LAGERHAUSEN'S DIVISION
Recorded April 4, 1922
as Document No. 7450665
Corrected by Certificate of Correction
Recorded October 13, 1922
as Document No. 7678236



Proposed Pavement Rand Road Sidepath Curve #25		Proposed Pavement Rand Road Sidepath Curve #26	
P.I. = Sta. 205+87.93	Δ = 10°39'34"	P.I. = Sta. 206+28.58	Δ = 13°07'26"
R = 100.00'	T = 9.33'	R = 100.00'	T = 11.50'
L = 18.60'	E = 0.43'	L = 22.91'	E = 0.66'
P.C. = Sta. 205+78.60	P.T. = Sta. 205+97.20	P.C. = Sta. 206+17.08	P.T. = Sta. 206+39.99

PROJECT COORDINATES
Illinois Coordinate System NAD 83(2011) East Zone

STATION	OFFSET	NORTH	EAST
204+83.33	12.43' Rt.	1,960,875.535	1,104,820.796
206+22.08	11.57' Rt.	1,960,789.264	1,104,926.217



Christian H. Jorgensen - PRESIDENT
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-2797
LICENSE EXPIRATION DATE NOVEMBER 30, 2020
THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

All dimensions are measured unless otherwise specified. Areas shown on this plat are ground. All measured and computed distances are grid not ground. To obtain ground distances, divide grid distances shown by the combined factor of 0.9999650645.

JORGENSEN & ASSOCIATES, INC.
120 PARK AVENUE
LAKE VILLA, ILLINOIS 60046
(847) 356-3371

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
F.A.U. 3523 (U.S. ROUTE 12) (RAND ROAD)
LIMITS: CENTRAL ROAD TO ELK BOULEVARD COUNTY: COOK
SECTION: 14-00221-00-BT JOB NO.: R-90-005-18
STATION 204+00 TO STATION 213+01.11
SCALE: 1"=30' SHEET 12 OF 17

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

DOT USE ONLY

REVISION DATE REVISION

SEE SHEET 13

See Sheet 13 for Parcel OM70009 & OM70009T.E.

PART OF THE NE 1/4 OF SEC. 17, TWP. 41 N., R. 12 E. OF THE 3RD. P.M., IN COOK COUNTY, ILLINOIS.

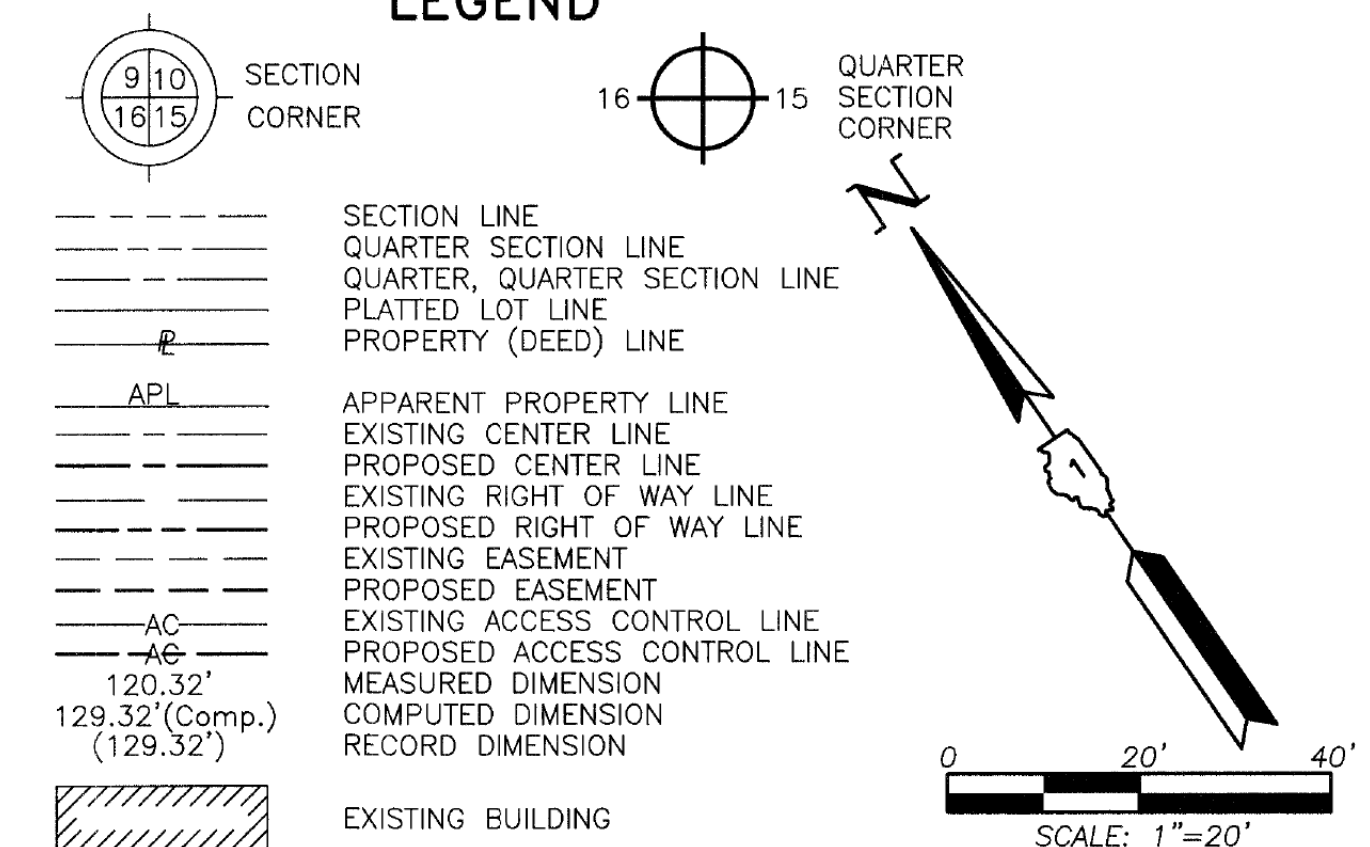
PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT ACRES	EASEMENT AREA SQUARE FEET	EASEMENT PURPOSE	PERMANENT INDEX NUMBER
OM70009 OM70009T.E.	0.615	0.023	N/A	0.592	0.011	N/A	Construction Purposes	09-17-205-124
OM7010T.E.	0.579	N/A	N/A	0.579	0.001	50	Construction Purposes	09-17-205-036 09-17-205-122

EXISTING R.O.W. RECORDED INFORMATION		
Parcel	Document No.	Date Recorded
OM70009	9618025	April 18, 1927
OM70010	9618025	April 18, 1927
	9612646	April 12, 1927
	9618025	April 18, 1927
	12 L 051440	*September 30, 2014

* Date Filed

F.A.U. 3523

LEGEND



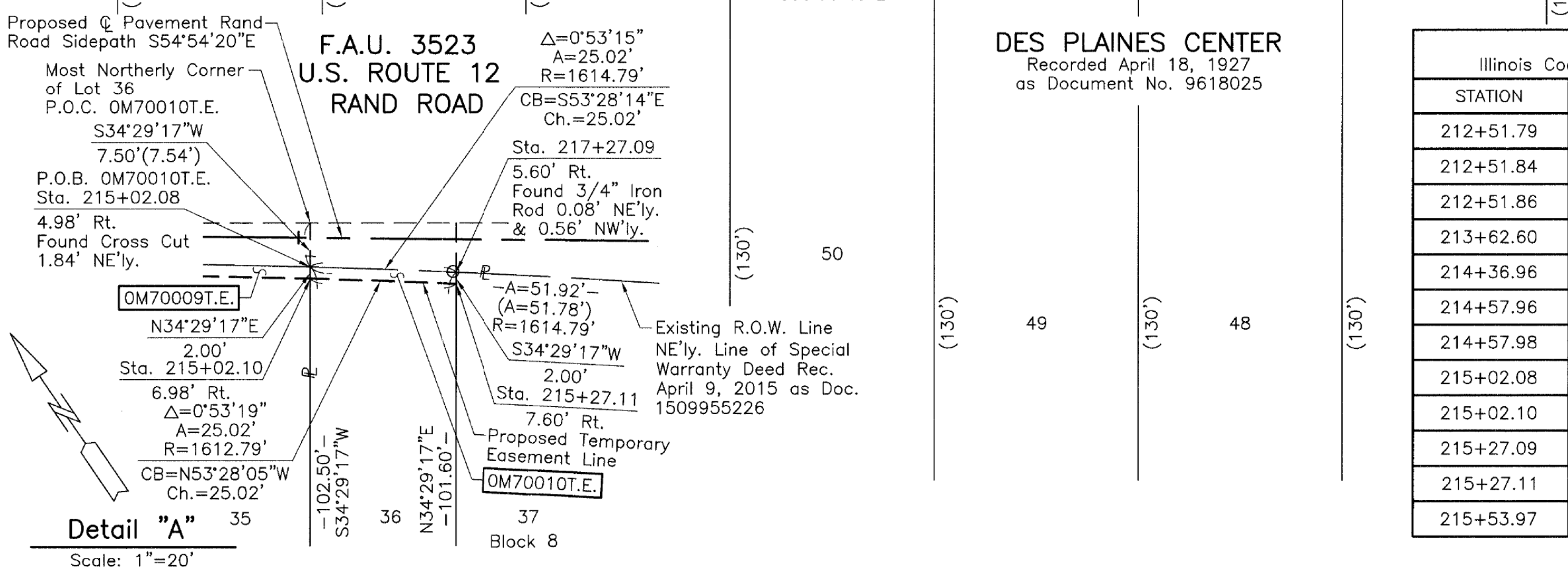
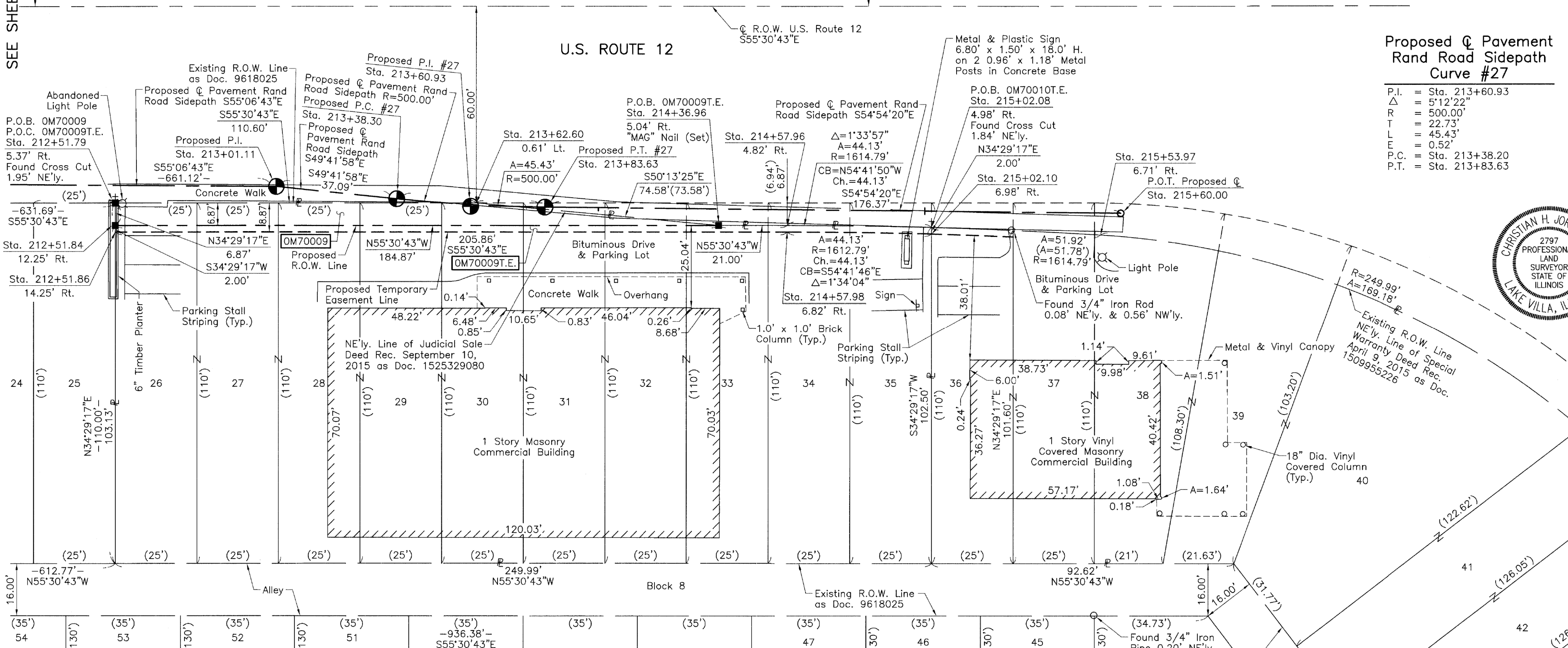
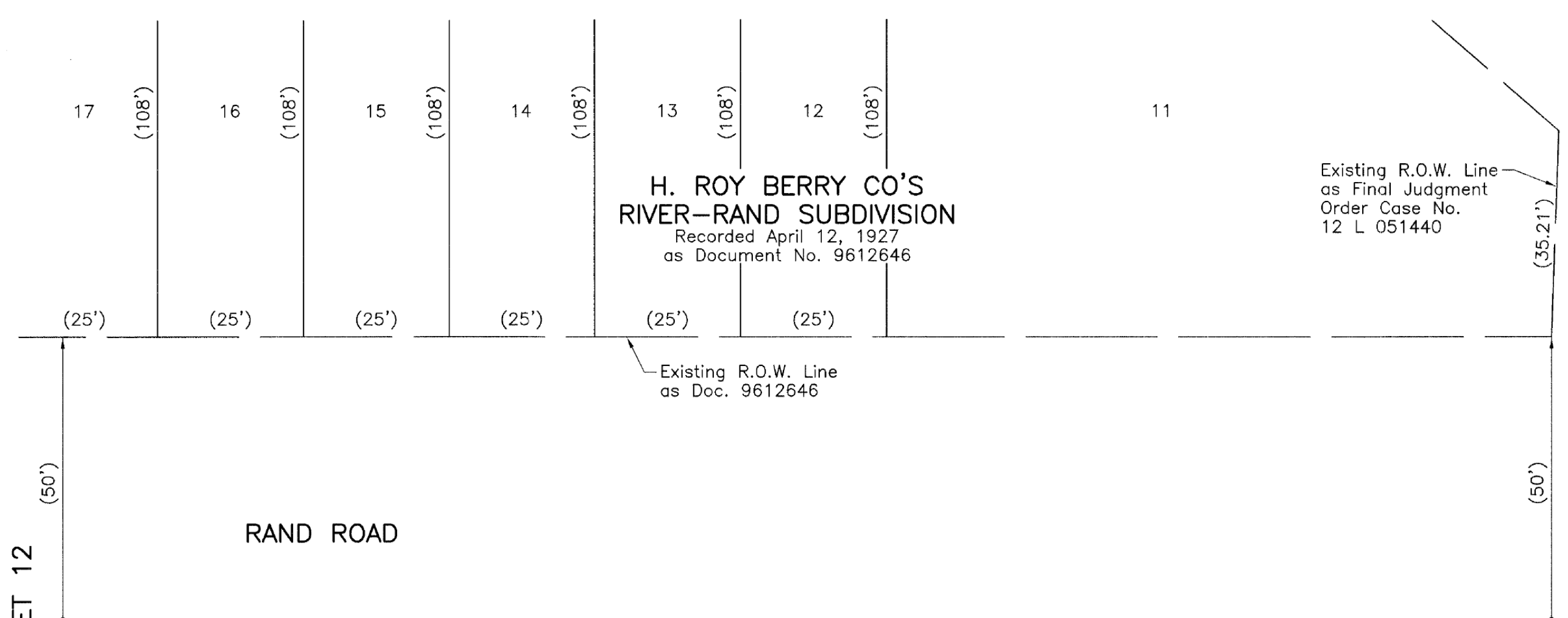
Bearings and Coordinates are referenced to the Illinois Coordinate System NAD 83(2011) East Zone.

- IRON PIPE OR ROD FOUND
- ⊕ "MAG" NAIL SET
- + CUT CROSS FOUND OR SET
- 5/8" REBAR SET
- STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- ⊙ PERMANENT SURVEY MARKER, I.D.O.T STD 667101-02 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET.

STATE OF ILLINOIS }
COUNTY OF LAKE }
THIS IS TO CERTIFY THAT WE, JORGENSEN & ASSOCIATES, INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-2771, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 17, TOWNSHIP 41N., RANGE 12E., OF THE THIRD PRINCIPAL MERIDIAN, COOK 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 LAKE VILLA, ILLINOIS THIS 3RD DAY OF March 2019 A.D.



Christian H. Jorgensen PRESIDENT
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-2797
LICENSE EXPIRATION DATE NOVEMBER 30, 2020
THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY. All dimensions are measured unless otherwise specified. Areas shown on this plat are ground. All measured and computed distances are grid not ground. To obtain ground distances, divide grid distances shown by the combined factor of 0.9999650645.



PROJECT COORDINATES			
Illinois Coordinate System NAD 83(2011) East Zone			
STATION	OFFSET	NORTH	EAST
212+51.79	5.37' Rt.	1,960,431.579	1,105,446.886
212+51.84	12.25' Rt.	1,960,425.913	1,105,442.994
212+51.86	14.25' Rt.	1,960,424.265	1,105,441.861
213+62.60	0.61' Lt.	1,960,368.952	1,105,538.050
214+36.96	5.04' Rt.	1,960,321.236	1,105,595.369
214+57.96	4.82' Rt.	1,960,309.345	1,105,612.677
214+57.98	6.82' Rt.	1,960,307.697	1,105,611.544
215+02.08	4.98' Rt.	1,960,283.844	1,105,648.690
215+02.10	6.98' Rt.	1,960,282.195	1,105,647.557
215+27.09	5.60' Rt.	1,960,268.954	1,105,668.791
215+27.11	7.60' Rt.	1,960,267.304	1,105,667.657
215+53.97	6.71' Rt.	1,960,252.597	1,105,690.146

REVISION DATE REVISION

DOT USE ONLY

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
F.A.U. 3523 (U.S. ROUTE 12) (RAND ROAD)
LIMITS: CENTRAL ROAD TO ELK BOULEVARD COUNTY: COOK
SECTION 14-00221-00-BT JOB NO.: R-90-005-18
STATION 212+00 TO STATION 215+60.00
SCALE: 1"=20' SHEET 13 OF 17

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

PART OF THE NW 1/4 OF SEC. 17, TWP. 41 N., R. 12 E. OF THE 3RD. P.M., IN COOK COUNTY, ILLINOIS.

LEGEND

SECTION CORNER: 910, 1615
 QUARTER SECTION CORNER: 16, 15

SECTION LINE
 QUARTER SECTION LINE
 QUARTER, QUARTER SECTION LINE
 PLATTED LOT LINE
 PROPERTY (DEED) LINE

APL
 APPARENT PROPERTY LINE

EXISTING CENTER LINE
 PROPOSED CENTER LINE
 EXISTING RIGHT OF WAY LINE
 PROPOSED RIGHT OF WAY LINE
 EXISTING EASEMENT
 PROPOSED EASEMENT
 EXISTING ACCESS CONTROL LINE
 PROPOSED ACCESS CONTROL LINE
 MEASURED DIMENSION
 COMPUTED DIMENSION
 RECORD DIMENSION

EXISTING BUILDING

Scale: 1"=100'

Bearings and Coordinates are referenced to the Illinois Coordinate System NAD 83(2011) East Zone.

- IRON PIPE OR ROD FOUND
- ⊕ "MAG" NAIL SET
- + CUT CROSS FOUND OR SET
- 5/8" REBAR SET
- STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- ⊙ PERMANENT SURVEY MARKER, I.D.O.T STD 667101-02 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET.

STATE OF ILLINOIS }
 COUNTY OF LAKE }SS

THIS IS TO CERTIFY THAT WE, JORGENSEN & ASSOCIATES, INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-2771, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 17, TOWNSHIP 41N., RANGE 12E., OF THE THIRD PRINCIPAL MERIDIAN, COOK 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 LAKE VILLA, ILLINOIS THIS 27th DAY OF March 2019 A.D.



Christian H. Jorgensen PRESIDENT
 ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-2797
 LICENSE EXPIRATION DATE NOVEMBER 30, 2020
 THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

All dimensions are measured unless otherwise specified.
 Areas shown on this plat are ground.
 All measured and computed distances are grid not ground.
 To obtain ground distances, divide grid distances shown by the combined factor of 0.9999650645.

Existing Railroad R.O.W. Line
MINNEAPOLIS, ST. PAUL & SAULT STE. MARIE RAILROAD
 (formerly Soo Line Railroad)
 (formerly Chicago & Wisconsin Railroad)
 (formerly Wisconsin Central Railroad)
 2080.60'
 N14°53'15"W
 Existing Railroad R.O.W. Line

TOTAL HOLDINGS
 PARCEL 0M70007P.E.

COUNTY CLERK'S DIVISION
 Recorded September 12, 1888
 as Document No. 1003451

LOT 4

Existing Railroad R.O.W. Line
UNION PACIFIC RAILROAD
 (Formerly Chicago & North Western Railway Company)
 (Formerly Des Plaines Valley Railway Company)
 Existing Railroad R.O.W. Line

Sheet Metal Sided Building

Proposed Permanent Easement Line

0M70007P.E.

COUNTY CLERK'S DIVISION
 Recorded September 12, 1888
 as Document No. 1003451

LOT 6 Cemetery

M-1
 See Sheet 10
 Found 3/4" Iron Pipe

SOPHIA LAGERHAUSEN'S DIVISION
 Recorded April 4, 1922
 as Document No. 7450665
 Corrected by Certificate of Correction
 Recorded October 13, 1922
 as Document No. 7678236

WOLFGANG'S RESUBDIVISION
 Recorded April 24, 1997
 as Document No. 97286026

JORGENSEN & ASSOCIATES, INC.
 120 PARK AVENUE
 LAKE VILLA, ILLINOIS 60046
 (847) 356-3371

SHEET NO 26 OF 156

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
 F.A.U. 3523 (U.S. ROUTE 12) (RAND ROAD)
 LIMITS: CENTRAL ROAD TO ELK BOULEVARD
 COUNTY: COOK

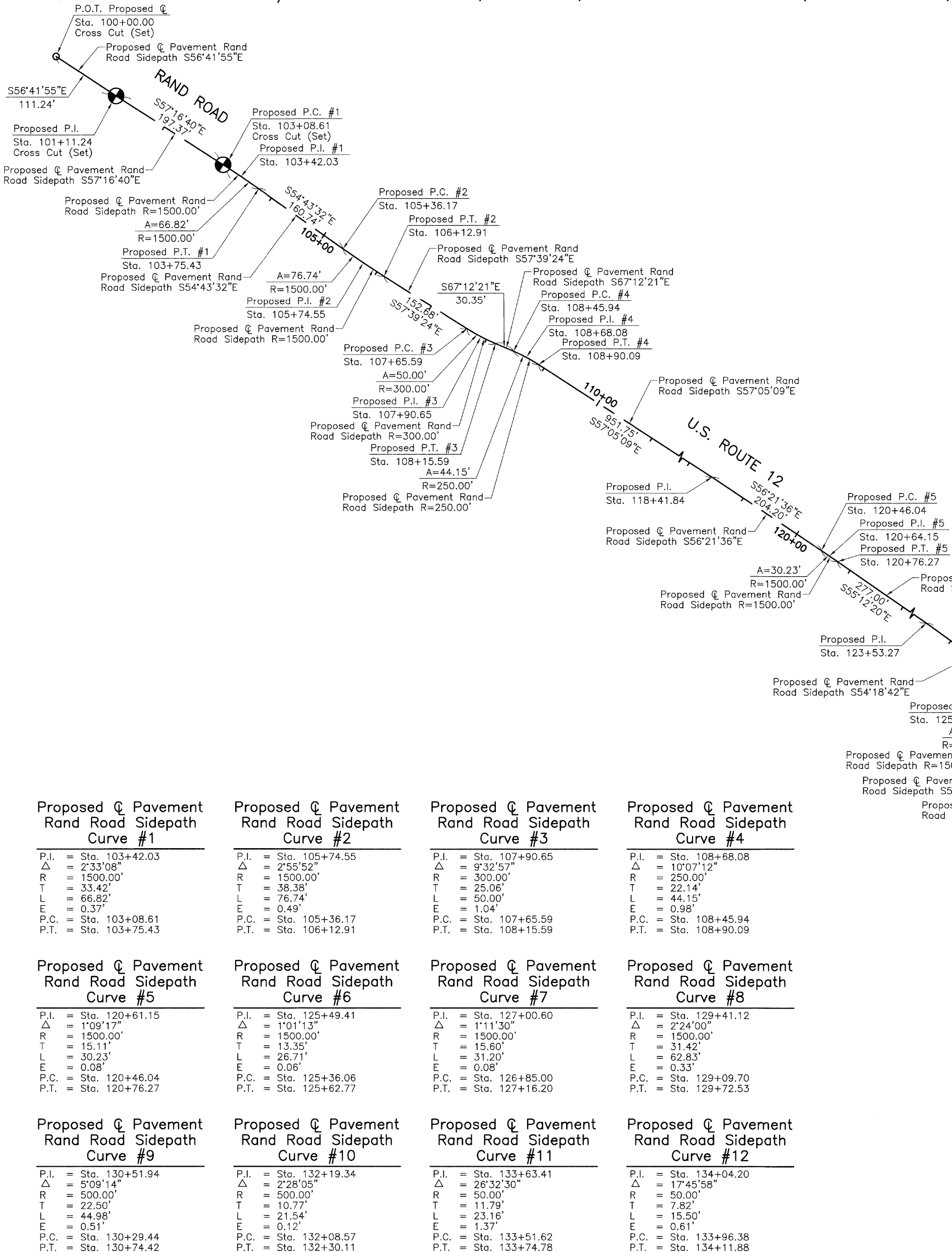
SECTION: 14-00221-00-BT JOB NO.: R-90-005-18
 STATION NONE TO STATION
 SCALE: 1"=100' SHEET 14 OF 17

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

DOT USE ONLY

REVISION DATE REVISION

PART OF THE NORTH FRACTIONAL 1/2 OF FRACTIONAL SEC. 7, TWP. 41 N., R. 12 E. OF THE 3RD. P.M., IN COOK COUNTY, ILLINOIS.



PROJECT COORDINATES Illinois Coordinate System NAD 83(2011) East Zone		
STATION	NORTH	EAST
100+00.00	1,966,930.133	1,096,298.738
101+11.24	1,966,869.058	1,096,391.711
103+08.61	1,966,762.363	1,096,557.763
103+42.03	1,966,744.300	1,096,585.875
103+75.43	1,966,725.002	1,096,613.156
105+36.17	1,966,632.176	1,096,744.383
105+74.55	1,966,610.013	1,096,775.714
106+12.91	1,966,589.482	1,096,808.136
107+65.59	1,966,507.800	1,096,937.127
107+90.65	1,966,494.395	1,096,958.297
108+15.59	1,966,484.687	1,096,981.398
108+45.94	1,966,472.929	1,097,009.376
108+68.08	1,966,464.353	1,097,029.783
108+90.09	1,966,452.325	1,097,048.366
118+41.84	1,965,935.161	1,097,847.343
120+46.04	1,965,822.043	1,098,017.343
120+64.15	1,965,813.670	1,098,029.926
120+76.27	1,965,805.045	1,098,042.338
123+53.27	1,965,646.979	1,098,269.813
125+36.06	1,965,540.339	1,098,418.282
125+49.41	1,965,532.548	1,098,429.129

PROJECT COORDINATES Illinois Coordinate System NAD 83(2011) East Zone		
STATION	NORTH	EAST
125+62.77	1,965,524.566	1,098,439.835
126+85.00	1,965,451.506	1,098,537.822
127+00.60	1,965,442.182	1,098,550.328
127+16.20	1,965,432.600	1,098,562.636
129+09.70	1,965,313.733	1,098,715.327
129+41.12	1,965,294.432	1,098,740.120
129+72.53	1,965,276.186	1,098,765.700
130+29.44	1,965,243.137	1,098,812.034
130+51.94	1,965,230.070	1,098,830.353
130+72.42	1,965,215.409	1,098,847.425
132+08.57	1,965,128.008	1,098,949.204
132+19.34	1,965,120.991	1,098,957.376
132+30.11	1,965,113.629	1,098,965.237
133+51.62	1,965,030.575	1,099,053.923
133+63.41	1,965,022.514	1,099,062.531
133+74.78	1,965,019.149	1,099,073.833
133+96.38	1,965,012.984	1,099,094.538
134+04.20	1,965,010.754	1,099,102.028
134+11.88	1,965,006.345	1,099,108.480
134+54.67	1,964,982.203	1,099,143.809
135+33.21	1,964,937.896	1,099,208.652

LEGEND

SECTION CORNER 910 1615
QUARTER SECTION CORNER 16 15

SECTION LINE
QUARTER SECTION LINE
QUARTER, QUARTER SECTION LINE
PLATTED LOT LINE
PROPERTY (DEED) LINE

APL
APPARENT PROPERTY LINE
EXISTING CENTER LINE
PROPOSED CENTER LINE
EXISTING RIGHT OF WAY LINE
PROPOSED RIGHT OF WAY LINE
EXISTING EASEMENT
PROPOSED EASEMENT
EXISTING ACCESS CONTROL LINE
PROPOSED ACCESS CONTROL LINE
MEASURED DIMENSION
COMPUTED DIMENSION
RECORD DIMENSION

EXISTING BUILDING

Bearings and Coordinates are referenced to the Illinois Coordinate System NAD 83(2011) East Zone.

○ IRON PIPE OR ROD FOUND ⊕ "MAG" NAIL SET
+ CUT CROSS FOUND OR SET ● 5/8" REBAR SET

■ STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
■ M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.

⊙ PERMANENT SURVEY MARKER, I.D.O.T STD 667101-02 (TO BE SET BY OTHERS)
□ RIGHT OF WAY STAKING PROPOSED TO BE SET.

STATE OF ILLINOIS }
COUNTY OF LAKE }SS

0 100' 200'
SCALE: 1"=100'

Proposed Pavement Road Road Sidepath Curve #	Proposed Pavement Road Road Sidepath Curve #	Proposed Pavement Road Road Sidepath Curve #	Proposed Pavement Road Road Sidepath Curve #
P.I. = Sta. 103+42.03 Δ = 2'33"08" R = 1500.00' T = 33.42' L = 66.82' E = 0.37' P.C. = Sta. 103+08.61 P.T. = Sta. 103+75.43	P.I. = Sta. 105+74.55 Δ = 2'55"52" R = 1500.00' T = 38.38' L = 76.74' E = 0.49' P.C. = Sta. 105+36.17 P.T. = Sta. 106+12.91	P.I. = Sta. 107+90.65 Δ = 9'32"57" R = 300.00' T = 25.06' L = 50.00' E = 1.04' P.C. = Sta. 107+65.59 P.T. = Sta. 108+15.59	P.I. = Sta. 108+68.08 Δ = 10'07"12" R = 250.00' T = 22.14' L = 44.15' E = 0.98' P.C. = Sta. 108+45.94 P.T. = Sta. 108+90.09
P.I. = Sta. 120+61.15 Δ = 1'09"17" R = 1500.00' T = 15.11' L = 30.23' E = 0.08' P.C. = Sta. 120+46.04 P.T. = Sta. 120+76.27	P.I. = Sta. 125+49.41 Δ = 1'01"13" R = 1500.00' T = 13.35' L = 26.71' E = 0.06' P.C. = Sta. 125+36.06 P.T. = Sta. 125+62.77	P.I. = Sta. 127+00.60 Δ = 1'11"30" R = 1500.00' T = 15.60' L = 31.20' E = 0.08' P.C. = Sta. 126+85.00 P.T. = Sta. 127+16.20	P.I. = Sta. 129+41.12 Δ = 2'24"00" R = 1500.00' T = 31.42' L = 62.83' E = 0.33' P.C. = Sta. 129+09.70 P.T. = Sta. 129+72.53
P.I. = Sta. 130+51.94 Δ = 5'09"14" R = 500.00' T = 22.50' L = 44.98' E = 0.51' P.C. = Sta. 130+29.44 P.T. = Sta. 130+74.42	P.I. = Sta. 132+19.34 Δ = 2'28"05" R = 500.00' T = 10.77' L = 21.54' E = 0.12' P.C. = Sta. 132+08.57 P.T. = Sta. 132+30.11	P.I. = Sta. 133+63.41 Δ = 26'32"30" R = 50.00' T = 11.79' L = 23.16' E = 1.37' P.C. = Sta. 133+51.62 P.T. = Sta. 133+74.78	P.I. = Sta. 134+04.20 Δ = 17'45"58" R = 50.00' T = 7.82' L = 15.50' E = 0.61' P.C. = Sta. 133+96.38 P.T. = Sta. 134+11.88

THIS IS TO CERTIFY THAT WE, JORGENSEN & ASSOCIATES, INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-2771, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 7, TOWNSHIP 41N., RANGE 12E., OF THE THIRD PRINCIPAL MERIDIAN, COOK 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 LAKE VILLA, ILLINOIS THIS 3rd DAY OF March 2019A.D.

CHRISTIAN H. JORGENSEN
2797 PROFESSIONAL LAND SURVEYOR NO. 35-2797
LAKE VILLA, ILLINOIS

Christian H. Jorgensen PRESIDENT
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-2797
LICENSE EXPIRATION DATE: NOVEMBER 30, 2020
THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

All dimensions are measured unless otherwise specified.
Areas shown on this plat are ground.
All measured and computed distances are grid not ground.
To obtain ground distances, divide grid distances shown by the combined factor of 0.9999650645.

SEE SHEET 16

**PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
F.A.P. 334 (U.S. ROUTE 12) (RAND ROAD)**

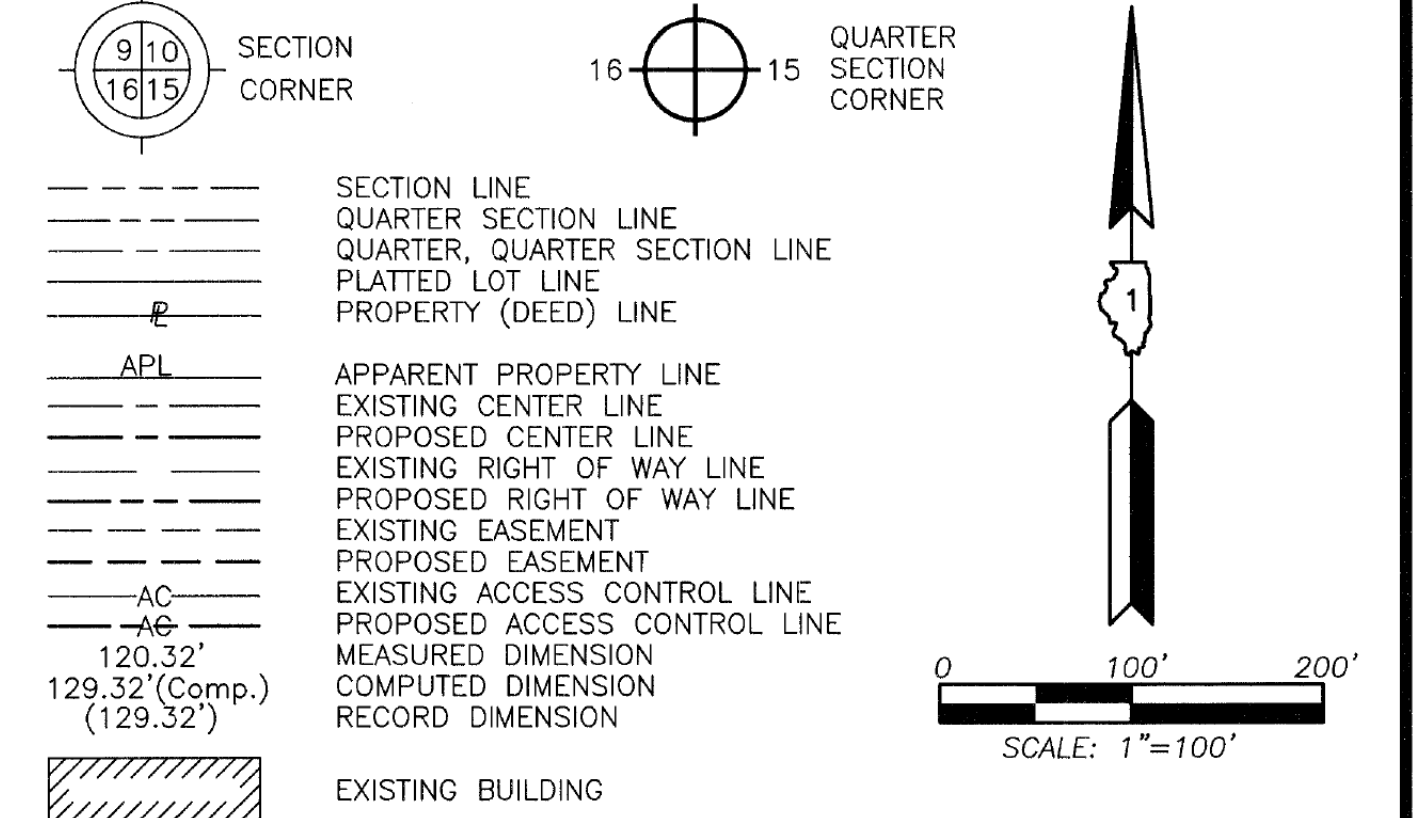
LIMITS: CENTRAL ROAD TO ELK BOULEVARD COUNTY: COOK
SECTION: 14-00221-00-BT JOB NO.: R-90-005-18
STATION 100+00.00 TO STATION 134+54.67
SCALE: 1"=100' SHEET 15 OF 17

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

REVISION DATE REVISION

PART OF THE NE FRACT'L. 1/4 OF FRACT'L. SEC. 7, PART OF THE SE 1/4 OF FRACT'L. SEC. 7 AND PART OF THE SW 1/4 OF FRACT'L. SEC. 8, TWP. 41 N., R. 12 E. OF THE 3RD. P.M., IN COOK COUNTY, ILLINOIS.

LEGEND



Bearings and Coordinates are referenced to the Illinois Coordinate System NAD 83(2011) East Zone.

- IRON PIPE OR ROD FOUND
- ⊕ "MAG" NAIL SET
- + CUT CROSS FOUND OR SET
- 5/8" REBAR SET
- STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- ⊙ PERMANENT SURVEY MARKER, I.D.O.T STD 667101-02 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET.

STATE OF ILLINOIS }
 COUNTY OF LAKE }
 } SS

THIS IS TO CERTIFY THAT WE, JORGENSEN & ASSOCIATES, INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-2771, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON BETWEEN SECTION 7, TOWNSHIP 41N., RANGE 12E. AND SECTION 8, TOWNSHIP 41N., RANGE 12E., OF THE THIRD PRINCIPAL MERIDIAN, COOK 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 LAKE VILLA, ILLINOIS THIS 13th DAY OF March 2019 A.D.



Christian H. Jorgensen PRESIDENT
 ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-2797
 LICENSE EXPIRATION DATE: NOVEMBER 30, 2020
 THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

All dimensions are measured unless otherwise specified. Areas shown on this plat are ground. All measured and computed distances are grid not ground. To obtain ground distances, divide grid distances shown by the combined factor of 0.9999650645.

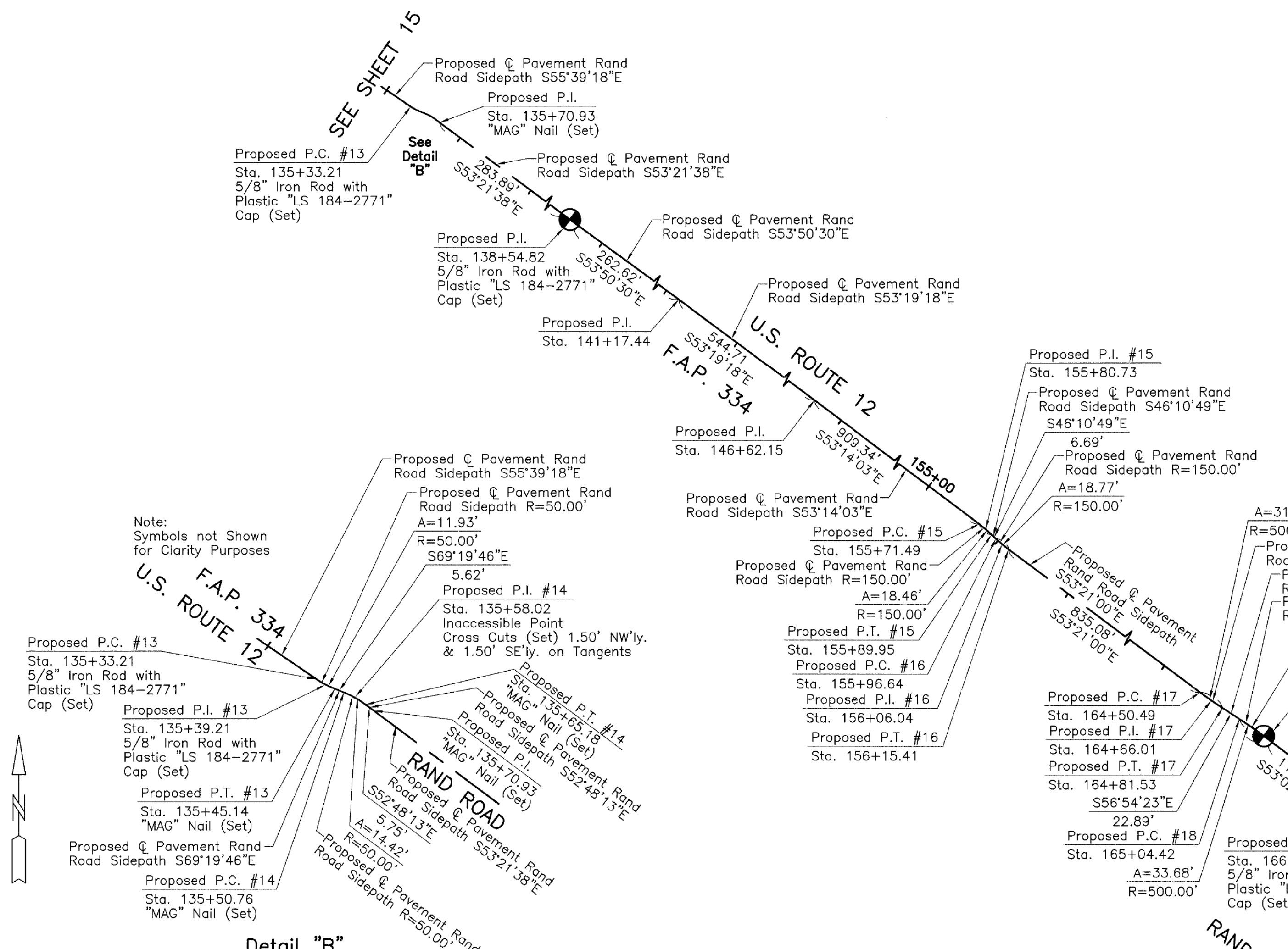
JORGENSEN & ASSOCIATES, INC.
 120 PARK AVENUE
 LAKE VILLA, ILLINOIS 60046
 (847) 356-3371

PLAT OF HIGHWAYS
 STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 F.A.P. 334 & F.A.U. 3523 (U.S ROUTE 12) (RAND ROAD)
 LIMITS: CENTRAL ROAD TO ELK BOULEVARD
 COUNTY: COOK
 SECTION: 14-00221-00-BT JOB NO.: R-90-005-18
 STATION 135+00 TO STATION 180+00
 SCALE: 1"=100' SHEET 16 OF 17

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

PROJECT COORDINATES Illinois Coordinate System NAD 83(2011) East Zone		
STATION	NORTH	EAST
135+33.21	1,964,937.896	1,099,208.652
135+39.21	1,964,934.514	1,099,213.602
135+45.14	1,964,932.397	1,099,219.211
135+50.76	1,964,930.414	1,099,224.467
135+58.02	1,964,927.851	1,099,231.261
135+65.18	1,964,923.461	1,099,237.045
135+70.93	1,964,919.987	1,099,241.623
138+54.82	1,964,750.568	1,099,469.418
141+17.44	1,964,595.616	1,099,681.456
146+62.15	1,964,270.251	1,100,118.311
155+71.49	1,963,725.967	1,100,846.773
155+80.73	1,963,720.433	1,100,854.179
155+89.95	1,963,714.032	1,100,860.850
155+96.64	1,963,709.401	1,100,865.675
156+06.04	1,963,702.895	1,100,872.456
156+15.41	1,963,697.285	1,100,879.995
164+50.49	1,963,198.805	1,101,549.977

PROJECT COORDINATES Illinois Coordinate System NAD 83(2011) East Zone		
STATION	NORTH	EAST
164+66.01	1,963,189.539	1,101,562.431
164+81.53	1,963,181.063	1,101,575.436
165+04.42	1,963,168.565	1,101,594.613
165+21.27	1,963,159.366	1,101,608.728
165+38.10	1,963,149.237	1,101,622.193
166+55.22	1,963,078.829	1,101,715.785
168+16.25	1,962,980.052	1,101,842.956
168+46.01	1,962,961.799	1,101,866.456
168+75.75	1,962,944.493	1,101,890.662
172+80.60	1,962,709.025	1,102,219.992
173+00.97	1,962,697.180	1,102,236.560
173+19.28	1,962,677.129	1,102,240.135
173+30.57	1,962,666.014	1,102,242.116
173+50.06	1,962,646.830	1,102,245.537
173+63.68	1,962,645.464	1,102,264.976
175+42.77	1,962,558.777	1,102,412.775
175+46.92	1,962,555.556	1,102,415.413
175+55.23	1,962,549.122	1,102,420.680
175+84.96	1,962,526.119	1,102,439.515
176+13.61	1,962,514.059	1,102,466.689
176+84.27	1,962,485.395	1,102,531.273
176+97.83	1,962,479.892	1,102,543.671
177+11.32	1,962,472.255	1,102,554.880
179+94.72	1,962,312.690	1,102,789.087



Curve #	P.I.	Sta.	Δ	R	T	L	E	P.C.	P.T.
Proposed Pavement Rand Road Sidepath Curve #13	P.I. = Sta. 135+33.21	135+33.21	13°40'28"	50.00'	6.00'	11.93'	0.36'	Sta. 135+33.21	Sta. 135+45.14
Proposed Pavement Rand Road Sidepath Curve #14	P.I. = Sta. 135+58.02	135+58.02	16°31'32"	50.00'	7.26'	14.42'	0.52'	Sta. 135+50.76	Sta. 135+65.18
Proposed Pavement Rand Road Sidepath Curve #15	P.I. = Sta. 155+80.73	155+80.73	7°03'14"	150.00'	9.24'	18.46'	0.28'	Sta. 155+71.49	Sta. 155+89.95
Proposed Pavement Rand Road Sidepath Curve #16	P.I. = Sta. 156+06.04	156+06.04	7°10'11"	150.00'	9.40'	18.46'	0.29'	Sta. 155+96.64	Sta. 156+15.41
Proposed Pavement Rand Road Sidepath Curve #17	P.I. = Sta. 164+66.01	164+66.01	3°33'23"	500.00'	15.52'	31.04'	0.24'	Sta. 164+50.49	Sta. 164+81.53
Proposed Pavement Rand Road Sidepath Curve #18	P.I. = Sta. 165+21.27	165+21.27	3°51'36"	500.00'	16.85'	33.68'	0.28'	Sta. 165+04.42	Sta. 165+38.10
Proposed Pavement Rand Road Sidepath Curve #19	P.I. = Sta. 168+16.25	168+16.25	2°16'22"	1500.00'	29.76'	59.50'	0.30'	Sta. 168+16.25	Sta. 168+75.75
Proposed Pavement Rand Road Sidepath Curve #20	P.I. = Sta. 173+00.97	173+00.97	44°19'33"	50.00'	20.37'	38.68'	3.99'	Sta. 172+80.60	Sta. 173+19.28
Proposed Pavement Rand Road Sidepath Curve #21	P.I. = Sta. 173+50.06	173+50.06	10°20'02"	150.00'	13.56'	27.05'	0.61'	Sta. 173+50.06	Sta. 177+11.32
Proposed Pavement Rand Road Sidepath Curve #22	P.I. = Sta. 175+42.77	175+42.77	9°31'07"	50.00'	4.16'	8.31'	0.17'	Sta. 175+38.61	Sta. 175+46.92
Proposed Pavement Rand Road Sidepath Curve #23	P.I. = Sta. 176+13.61	176+13.61	26°45'27"	125.00'	12.50'	25.00'	0.31'	Sta. 176+13.61	Sta. 176+13.61
Proposed Pavement Rand Road Sidepath Curve #24	P.I. = Sta. 177+11.32	177+11.32	10°20'02"	150.00'	13.56'	27.05'	0.61'	Sta. 177+11.32	Sta. 177+11.32

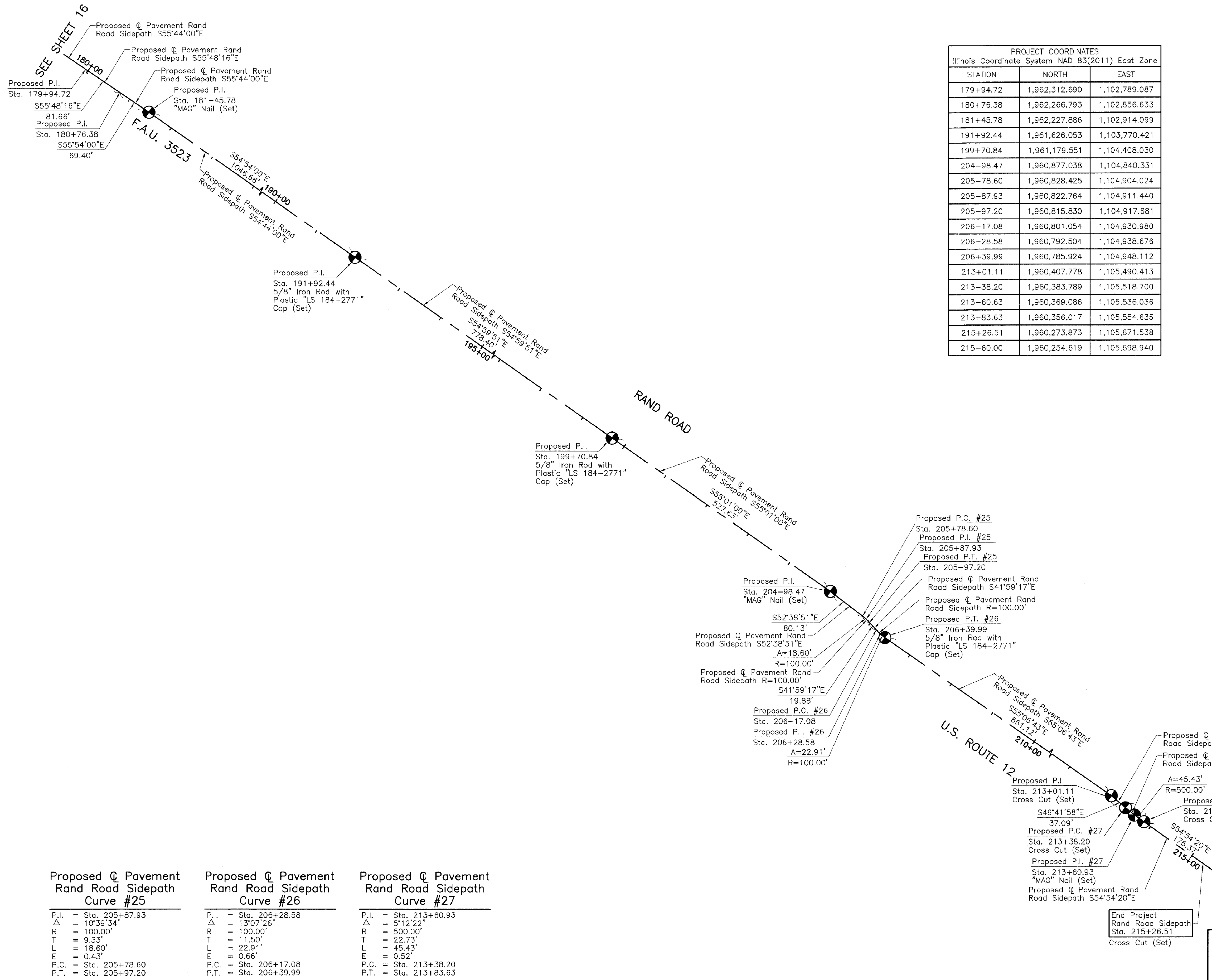
REVISION DATE

REVISION

IDOT USE ONLY

SHEET NO 28 OF 156

PART OF THE SW 1/4 OF FRACTIONAL SEC. 8 AND PART OF THE NORTH 1/2 OF SEC. 17, TWP. 41 N., R. 12 E. OF THE 3RD. P.M., IN COOK COUNTY, ILLINOIS.



PROJECT COORDINATES		
Illinois Coordinate System NAD 83(2011) East Zone		
STATION	NORTH	EAST
179+94.72	1,962,312.690	1,102,789.087
180+76.38	1,962,266.793	1,102,856.633
181+45.78	1,962,227.886	1,102,914.099
191+92.44	1,961,626.053	1,103,770.421
199+70.84	1,961,179.551	1,104,408.030
204+98.47	1,960,877.038	1,104,840.331
205+78.60	1,960,828.425	1,104,904.024
205+87.93	1,960,822.764	1,104,911.440
205+97.20	1,960,815.830	1,104,917.681
206+17.08	1,960,801.054	1,104,930.980
206+28.58	1,960,792.504	1,104,938.676
206+39.99	1,960,785.924	1,104,948.112
213+01.11	1,960,407.778	1,105,490.413
213+38.20	1,960,383.789	1,105,518.700
213+60.63	1,960,369.086	1,105,536.036
213+83.63	1,960,356.017	1,105,554.635
215+26.51	1,960,273.873	1,105,671.538
215+60.00	1,960,254.619	1,105,698.940

LEGEND

SECTION CORNER: 9 10 16 15

QUARTER SECTION CORNER: 16 15

SECTION LINE
 QUARTER SECTION LINE
 QUARTER, QUARTER SECTION LINE
 PLATTED LOT LINE
 PROPERTY (DED) LINE

APL
 APPARENT PROPERTY LINE
 EXISTING CENTER LINE
 PROPOSED CENTER LINE
 EXISTING RIGHT OF WAY LINE
 PROPOSED RIGHT OF WAY LINE
 EXISTING EASEMENT
 PROPOSED EASEMENT
 EXISTING ACCESS CONTROL LINE
 PROPOSED ACCESS CONTROL LINE
 MEASURED DIMENSION
 COMPUTED DIMENSION
 RECORD DIMENSION

EXISTING BUILDING

Bearings and Coordinates are referenced to the Illinois Coordinate System NAD 83(2011) East Zone.

○ IRON PIPE OR ROD FOUND ⊕ "MAG" NAIL SET
 + CUT CROSS FOUND OR SET ● 5/8" REBAR SET

■ STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.

■ M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.

⊙ PERMANENT SURVEY MARKER, I.D.O.T STD 667101-02 (TO BE SET BY OTHERS)

□ RIGHT OF WAY STAKING PROPOSED TO BE SET.

STATE OF ILLINOIS }
 COUNTY OF LAKE }SS

THIS IS TO CERTIFY THAT WE, JORGENSEN & ASSOCIATES, INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-2771, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON BETWEEN SECTION 8, TOWNSHIP 41N., RANGE 12E. AND SECTION 17, TOWNSHIP 41N., RANGE 12E., OF THE THIRD PRINCIPAL MERIDIAN, COOK 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 LAKE VILLA, ILLINOIS THIS 13th DAY OF March 2019 A.D.

CHRISTIAN H. JORGENSEN
 2797 PROFESSIONAL LAND SURVEYOR STATE OF ILLINOIS
 LAKE VILLA, ILLINOIS

Christian H. Jorgensen PRESIDENT
 ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-2797
 LICENSE EXPIRATION DATE: NOVEMBER 30, 2020

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

All dimensions are measured unless otherwise specified.
 Areas shown on this plat are ground.
 All measured and computed distances are grid not ground.
 To obtain ground distances, divide grid distances shown by the combined factor of 0.9999650645.

SCALE: 1"=100'

Proposed Pavement Rand Road Sidepath Curve #25	Proposed Pavement Rand Road Sidepath Curve #26	Proposed Pavement Rand Road Sidepath Curve #27
P.I. = Sta. 205+87.93	P.I. = Sta. 206+28.58	P.I. = Sta. 213+60.93
Δ = 10°39'34"	Δ = 13°07'26"	Δ = 5°12'22"
R = 100.00'	R = 100.00'	R = 500.00'
T = 9.33'	T = 11.50'	T = 22.73'
L = 18.60'	L = 22.91'	L = 45.43'
E = 0.43'	E = 0.66'	E = 0.52'
P.C. = Sta. 205+78.60	P.C. = Sta. 206+17.08	P.C. = Sta. 213+38.20
P.T. = Sta. 205+97.20	P.T. = Sta. 206+39.99	P.T. = Sta. 213+83.63

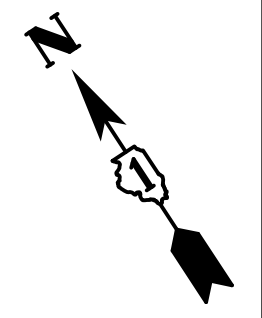
JORGENSEN & ASSOCIATES, INC.
 120 PARK AVENUE
 LAKE VILLA, ILLINOIS 60046
 (847) 356-3371

SHEET NO 29 OF 156

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
 F.A.U. 3523 (U.S. ROUTE 12) (RAND ROAD)
 LIMITS: CENTRAL ROAD TO ELK BOULEVARD COUNTY: COOK
 SECTION: 14-00221-00-BT JOB NO.: R-90-005-18
 STATION 179+94.72 TO STATION 215+60.00
 SCALE: 1"=100' SHEET 17 OF 17

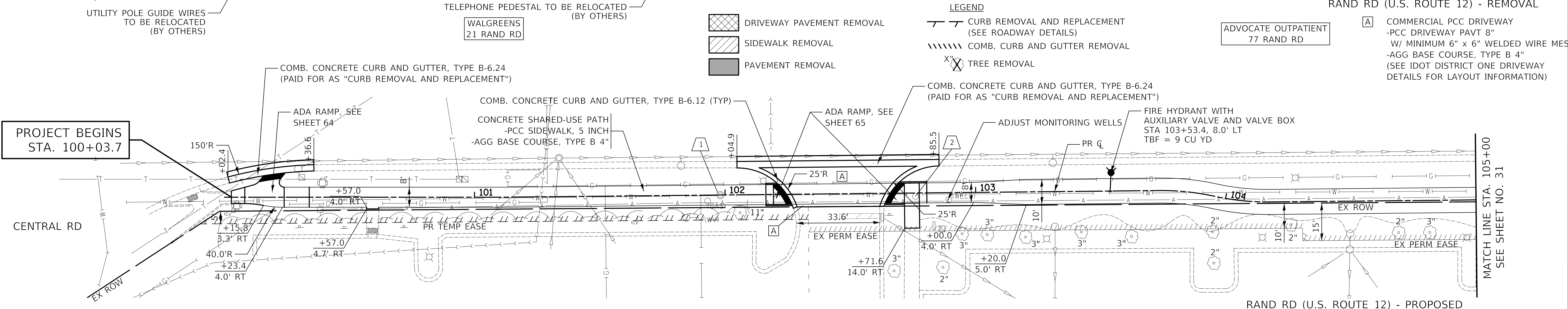
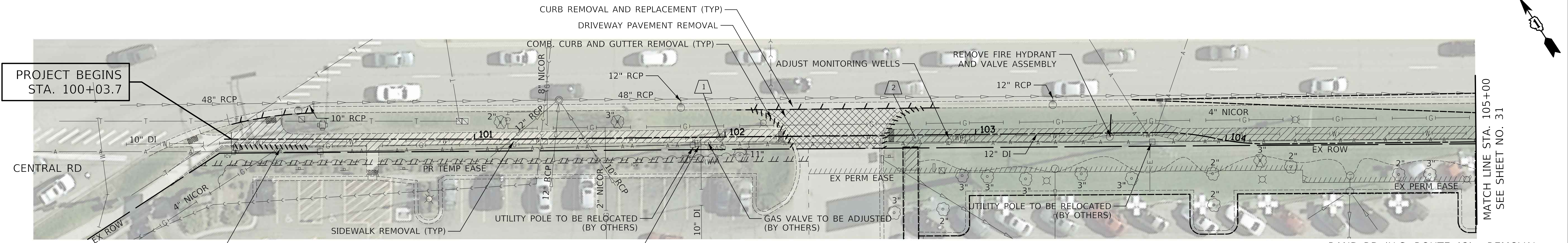
BUREAU OF LAND ACQUISITION
 201 WEST CENTER COURT
 SCHAMBURG, ILLINOIS 60196

REVISION DATE REVISION

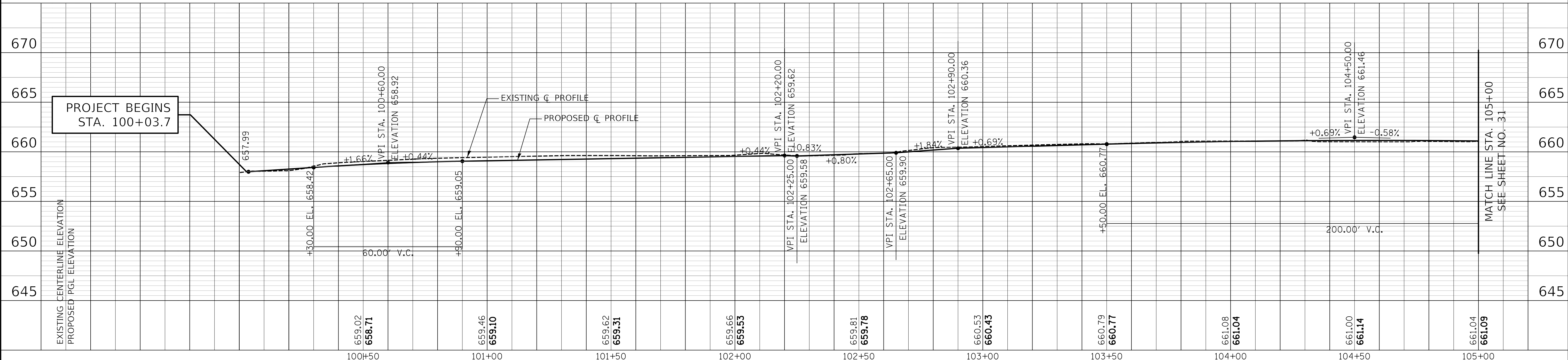


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NOTE BOOK	
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STRUCTURE NOTATIONS CHK'D	
NO. _____	



- 1 STA 101+97.9, 0.1' RT D&U STRUC TO BE ADJ EX RIM = 659.63 PR RIM = 659.52
- 2 STA 102+76.0, 1.3' RT VALVE BOX TO BE ADJ EX RIM = 660.52 PR RIM = 660.15

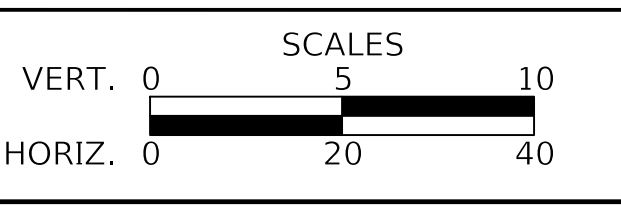


EXISTING CENTERLINE ELEVATION	659.02	659.46	659.62	659.66	659.81	660.53	660.79	661.08	661.00	661.04	661.09
PROPOSED PGL ELEVATION	658.71	659.10	659.31	659.53	659.78	660.43	660.77	661.04	661.14	661.04	661.09
	100+50	101+00	101+50	102+00	102+50	103+00	103+50	104+00	104+50	105+00	

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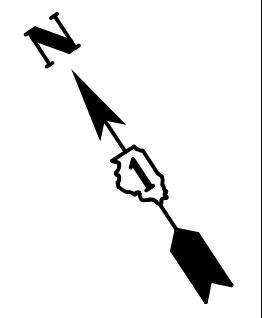
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CHECKED - KRK	REVISED -
DATE - 12/28/2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



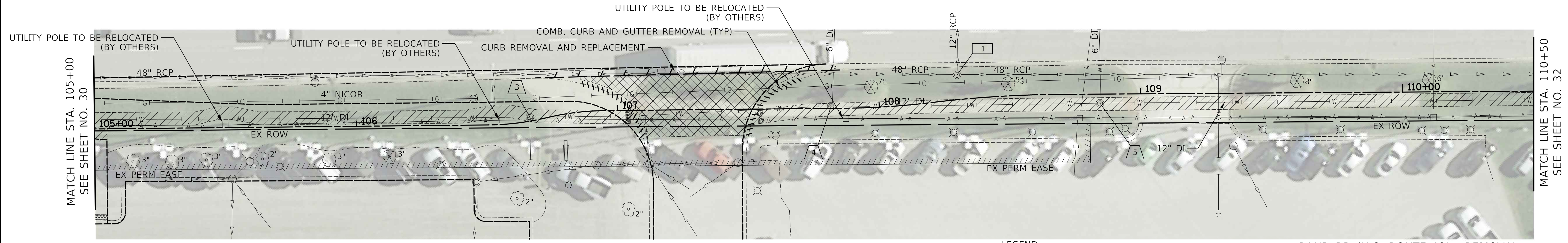
PLAN AND PROFILE
 SHEET 1 OF 24 SHEETS STA. 100+00 TO STA. 105+00

F.A.P. RTE. 334	SECTION 14-00221-00-BT	COUNTY COOK	TOTAL SHEETS 156	SHEET NO. 30
CONTRACT NO. 61G57				
ILLINOIS FED. AID PROJECT				



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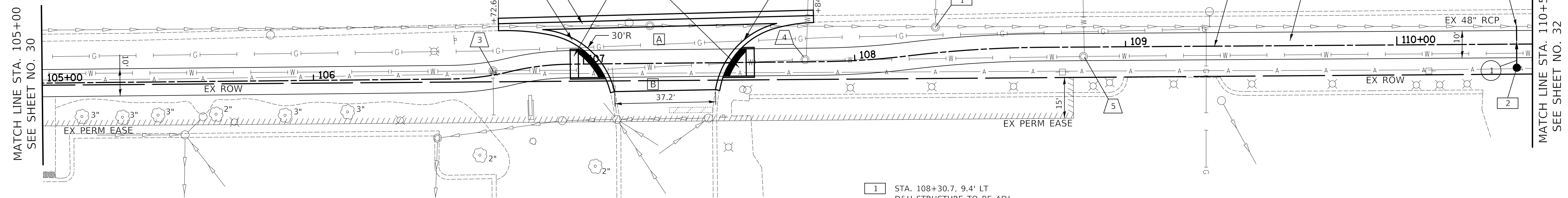
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SURVEYED	
PLOTTED	
NOTED	
B.M. NOTED	
STRUCTURE NOTATIONS CHK'D	



ADVOCATE OUTPATIENT
77 RAND RD

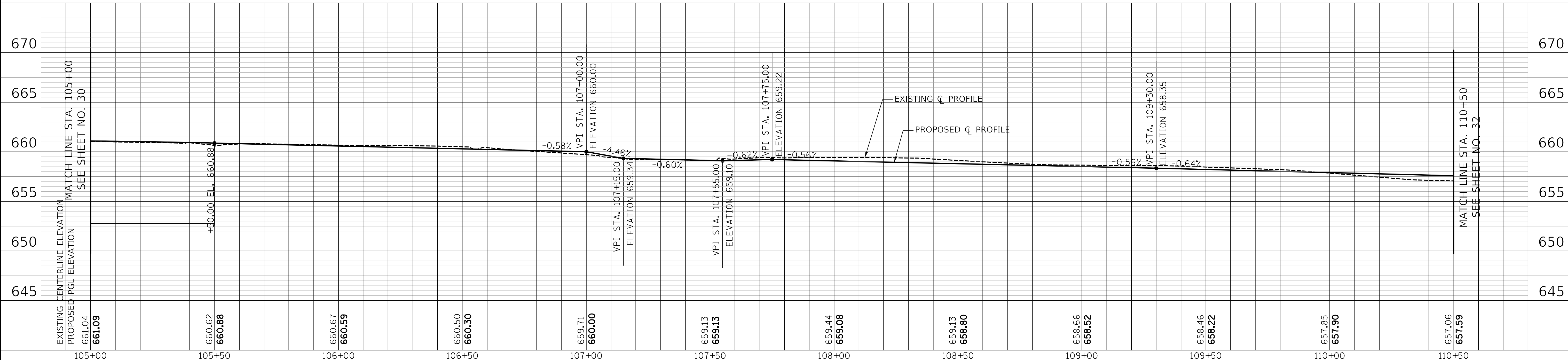
LEGEND

- A** COMMERCIAL PCC DRIVEWAY
-PCC DRIVEWAY PAVT 8"
-W/ MINIMUM 6" x 6" WELDED WIRE MESH
-AGG BASE COURSE, TYPE B 4"
(SEE IDOT DISTRICT ONE DRIVEWAY DETAILS FOR LAYOUT INFORMATION)
 - B** HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50; 2"
HOT-MIX ASPHALT BASE COURSE; 8"
AGGREGATE BASE COURSE, TYPE B 4"
- SEE IDOT DISTRICT ONE BD-07 DETAIL OF STORM SEWER CONNECTION TO EXISTING SEWER (TYP)
- CONCRETE SHARED-USE PATH
-PCC SIDEWALK, 5 INCH
-AGG BASE COURSE, TYPE B 4"



- 3** STA 106+66.5, 1.6' LT D&U STRUC TO BE ADJ
EX RIM = 660.27
PR RIM = 660.18
- 4** STA 107+81.8, 9.2' LT D&U STRUC TO BE ADJ
EX RIM = 659.29
PR RIM = 659.17
- 5** STA 108+84.6, 3.3' RT D&U STRUC TO BE RECON
EX RIM = 658.63
PR RIM = 658.24

- 1** STA. 108+30.7, 9.4' LT D&U STRUCTURE TO BE ADJ
EX RIM = 658.74
PR RIM = 658.49
- 2** STA. 110+44.2, 8.7' RT CB TA 4 DIA T1F OL
RIM = 656.70
INV = 645.18 (12" E)
- 1** 12' - STORM SEW CL A 1, 12" @ 1.00%
DIS INV. = 645.07
TBF = 21 CU YD

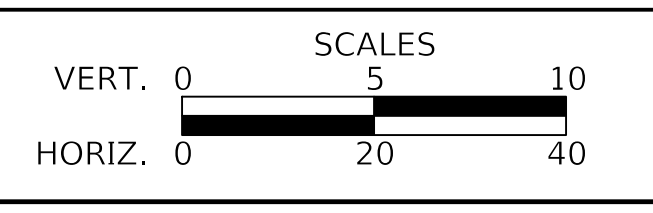


EXISTING CENTERLINE ELEVATION	PROPOSED PGL ELEVATION	661.09	660.62	660.88	660.67	660.59	660.50	660.30	659.71	660.00	659.13	659.13	659.44	659.08	659.13	658.80	658.66	658.52	658.46	658.22	657.85	657.90	657.06	657.59
105+00	105+50	106+00	106+50	107+00	107+50	108+00	108+50	109+00	109+50	110+00	110+50													

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DATE -	12/28/2020	REVISED -	

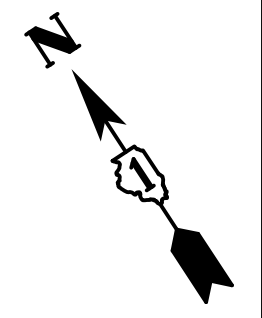
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**



PLAN AND PROFILE

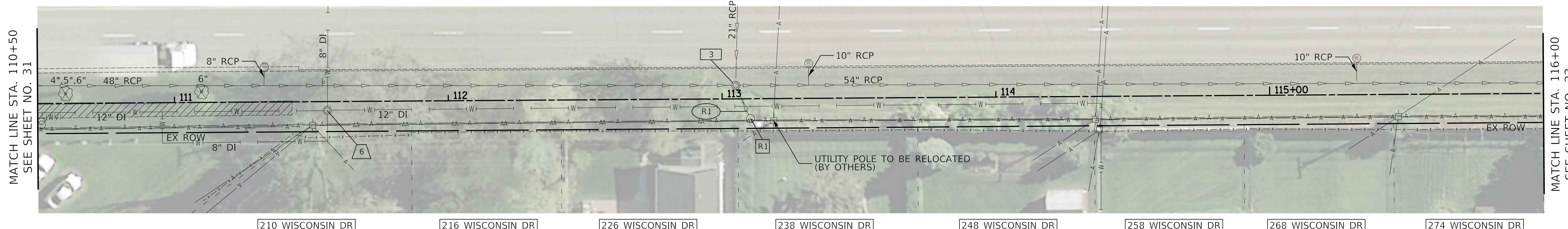
SHEET 2 OF 24 SHEETS STA. 105+00 TO STA. 110+50

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	14-00221-00-BT	COOK	156	31
CONTRACT NO. 61G57				
ILLINOIS FED. AID PROJECT				

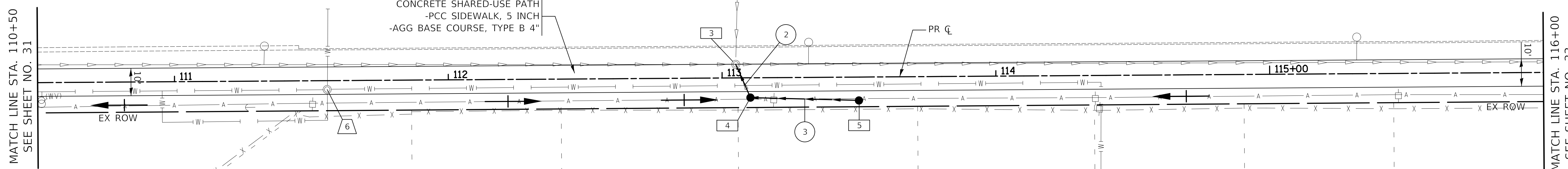


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B.M. NOTED	
STRUCTURE NOTATIONS CHK'D	
NO.	



R1 STA. 113+10.3, 7.2' RT REMOVING CATCH BASINS
R1 11' - STORM SEWER REMOVAL 8" TBF = 0 CU YD



6 STA 111+55.7, 3.2' RT DSU STRUC TO BE ADJ
 EX RIM = 656.77
 PR RIM = 656.96

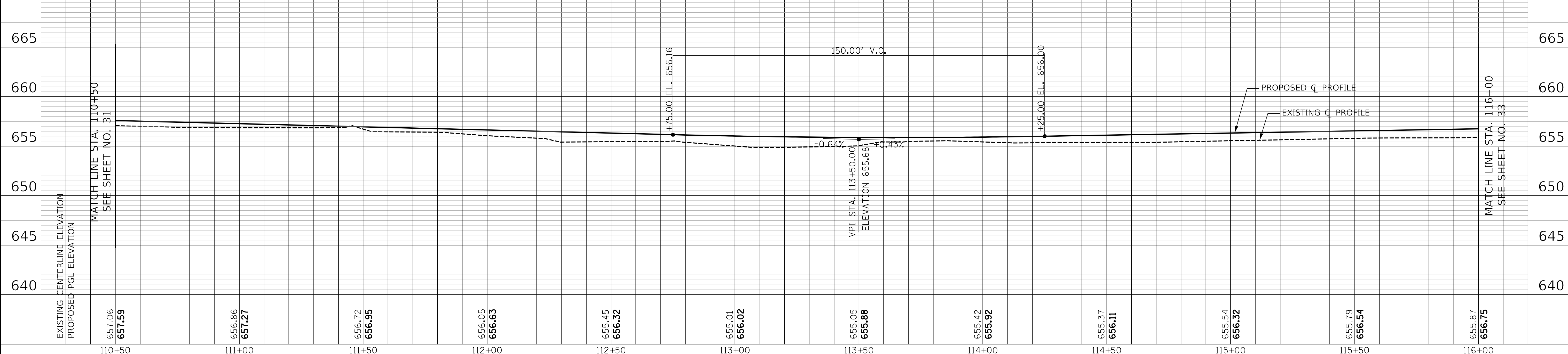
3 STA. 113+05.0, 4.9' LT DSU STRUC TO BE ADJ
 EX RIM = 655.73
 PR RIM = 656.07
 INV = 642.93 (EX 48" NW)
 INV = 642.43 (EX 54" SE)
 INV = 648.53 (EX 21" NE)
 INV = 652.23 (12" S)

4 STA. 113+10.3, 7.2' RT CB TA 4 DIA T8G
 RIM = 655.60
 INV = 652.31 (12" N)
 INV = 652.31 (12" SE)

5 STA. 113+50.0, 8.5' RT CB TC T8G
 RIM = 655.34
 INV = 652.68 (12" NW)

2 8' - STORM SEW WM REQ, 12" @ 1.00% TBF = 3 CU YD

3 37' - STORM SEW WM REQ, 12" @ 1.00% TBF = 6 CU YD



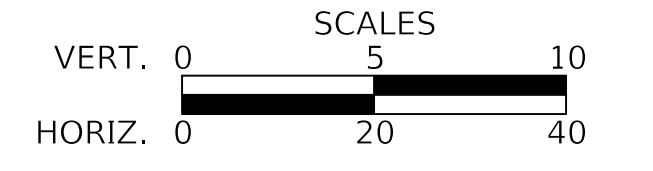
EXISTING CENTERLINE ELEVATION	657.06	656.86	656.72	656.05	655.45	655.01	655.05	655.42	655.37	655.54	655.79	655.87
PROPOSED PGL ELEVATION	657.59	657.27	656.95	656.63	656.32	656.02	655.68	655.92	656.11	656.32	656.54	656.75
	110+50	111+00	111+50	112+00	112+50	113+00	113+50	114+00	114+50	115+00	115+50	116+00



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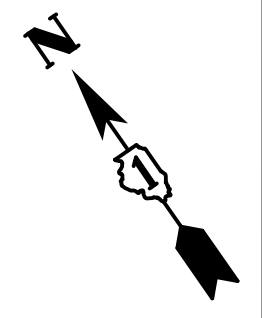
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



PLAN AND PROFILE
 SHEET 3 OF 24 SHEETS STA. 110+50 TO STA. 116+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	14-00221-00-BT	COOK	156	32
CONTRACT NO. 61G57				
ILLINOIS FED. AID PROJECT				



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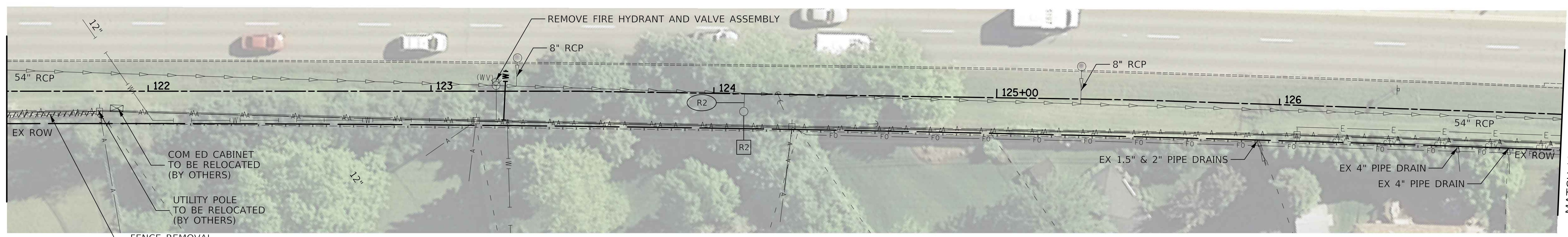
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PLOTTED	
NOTED	
STRUCTURE NOTATION CHECKED	

MATCH LINE STA. 121+50
SEE SHEET NO. 33

MATCH LINE STA. 121+50
SEE SHEET NO. 33

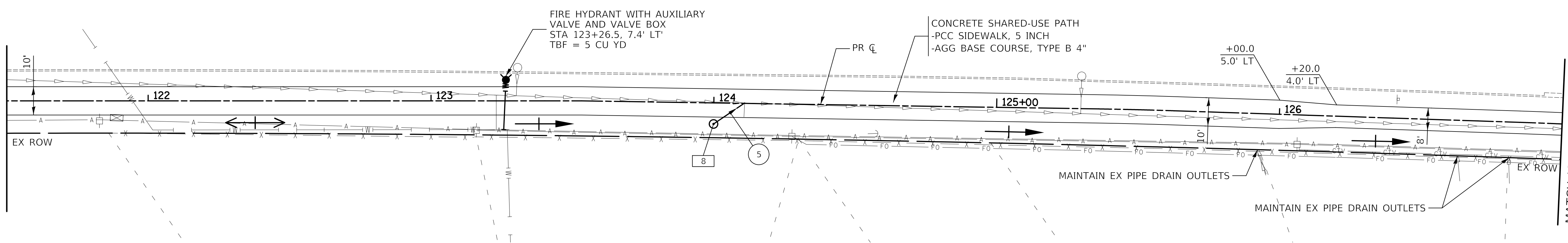
MATCH LINE STA. 127+00
SEE SHEET NO. 35

MATCH LINE STA. 127+00
SEE SHEET NO. 35

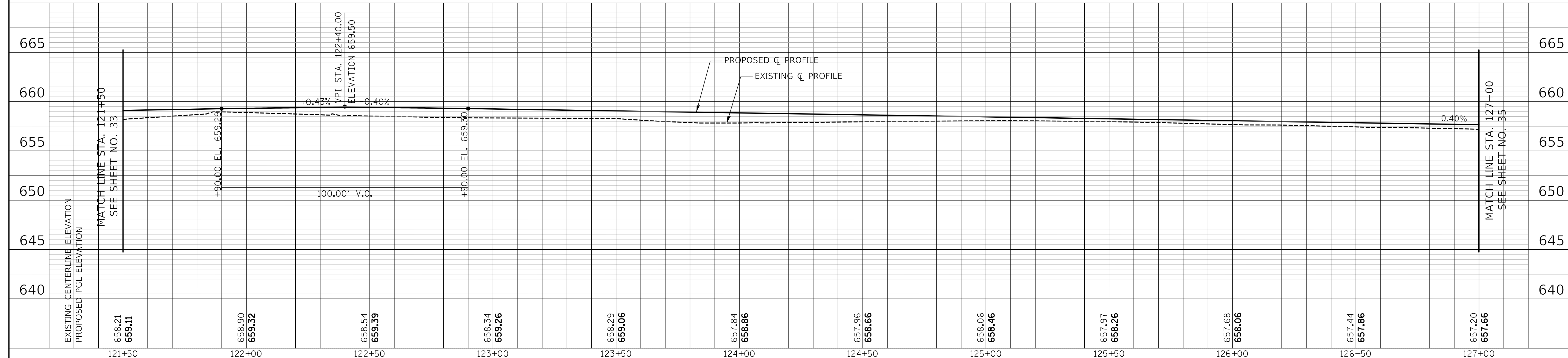


54" RCP
EX ROW
COM ED CABINET TO BE RELOCATED (BY OTHERS)
UTILITY POLE TO BE RELOCATED (BY OTHERS)
FENCE REMOVAL
543 CAMBRIDGE RD
529 CORNELL AVE
521 CORNELL AVE
513 CORNELL AVE
489 STRATFORD RD
485 STRATFORD RD
483 STRATFORD RD
RAND RD (U.S. ROUTE 12) - REMOVAL

R2 STA. 124+10.7, 6.3' RT
REMOVING CATCH BASINS
R2 5' - STORM SEWER REMOVAL 10"
TBF = 6 CU YD



8 STA. 124+00.0, 7.4' RT
MH TA 4 DIA T8G
RIM = 658.60
INV = 644.06 (12" E)
5 9' - STORM SEW CL A 1, 12" @ 4.50%
DIS INV = 643.65
TBF = 20 CU YD



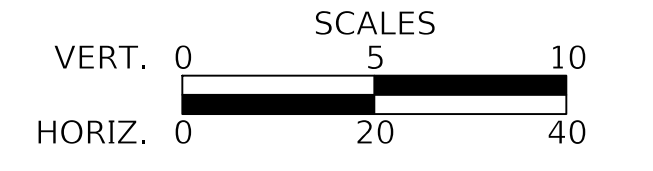
EXISTING CENTERLINE ELEVATION	658.21	658.90	658.54	658.34	658.29	657.84	657.96	658.06	657.97	657.68	657.44	657.20
PROPOSED PGL ELEVATION	659.11	659.32	659.39	659.26	659.06	658.86	658.66	658.46	658.26	658.06	657.86	657.66
	121+50	122+00	122+50	123+00	123+50	124+00	124+50	125+00	125+50	126+00	126+50	127+00



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DATE -	12/28/2020	REVISED -	

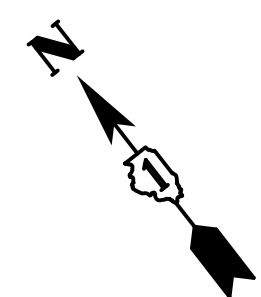
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



PLAN AND PROFILE

SHEET 5 OF 24 SHEETS STA. 121+50 TO STA. 127+00

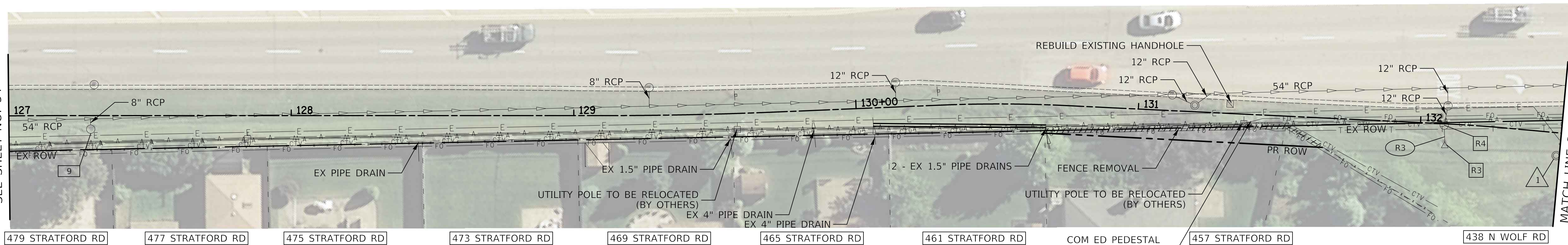
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	14-00221-00-BT	COOK	156	34
CONTRACT NO. 61G57				
ILLINOIS FED. AID PROJECT				



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PLANNED	
NOTED	
RT. OF WAY CHECKED	
NO. OF WAY CHECKED	
STRUCTURE NOTATIONS CHKD	
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MATCH LINE STA. 127+00
SEE SHEET NO. 34



MATCH LINE STA. 132+50
SEE SHEET NO. 36

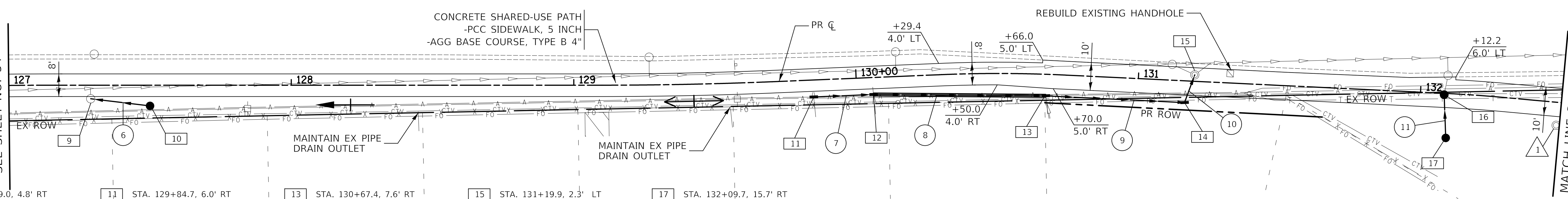
RAND RD (U.S. ROUTE 12) - REMOVAL

- R3 STA. 132+08.9, 6.4' RT CONCRETE HEADWALL REMOVAL
- R4 STA. 132+08.4, 0.5' RT REMOVING CATCH BASINS
- R3 5' - STORM SEWER REMOVAL 12" TBF = 1.0 CU YD

NOTES:
1. EXISTING 1.5" AND 4" PIPE DRAINS TO BE CONNECTED INTO PROPOSED DRAINAGE STRUCTURES. COST OF MAKING CONNECTION, INCLUDING REMOVAL OF EXCESS LENGTH OF PIPE DRAIN, SHALL BE INCLUDED IN THE COST OF PROPOSED DRAINAGE STRUCTURE.

- 1 STA. 132+48.9, 8.1' RT DSU STRUC TO BE ADJ EX RIM = 655.75 PR RIM = 656.46

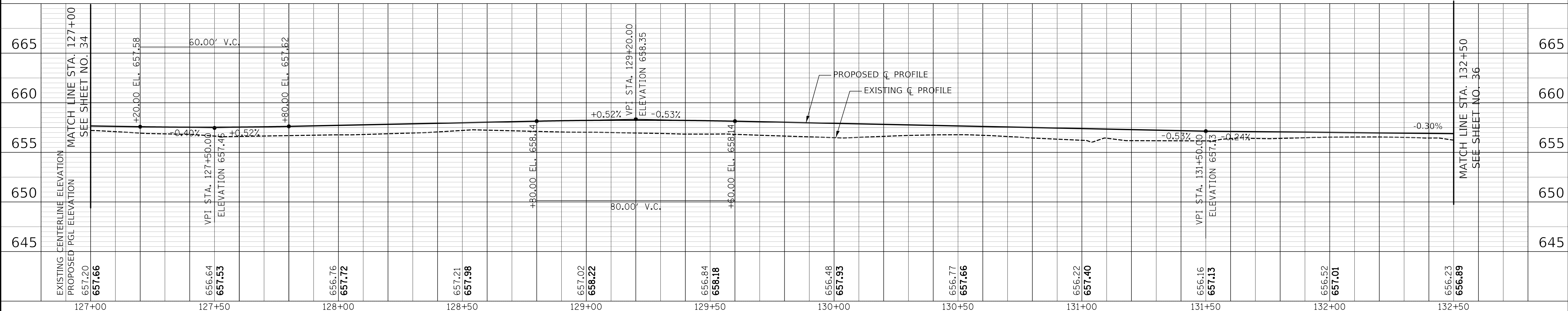
MATCH LINE STA. 127+00
SEE SHEET NO. 34



MATCH LINE STA. 132+50
SEE SHEET NO. 36

RAND RD (U.S. ROUTE 12) - PROPOSED

- 9 STA. 127+29.0, 4.8' RT DSU STRUC TO BE RECON W/ NEW TIF CL EX RIM = 654.87 PR RIM = 657.46 INV = 653.47 (EX 8" NE) INV = 653.47 (10" SE)
- 10 STA. 127+50.0, 7.3' RT CB TC T8G RIM = 657.06 INV = 653.65 (8" NW)
- 11 STA. 129+84.7, 6.0' RT INLET TB T8G RIM = 657.91 INV = 653.48 (10" SE) INV = 657.02 (4" SW) (SEE NOTE 1)
- 12 STA. 130+05.9, 6.0' RT INLET TB T8G RIM = 657.80 INV = 653.24 (10" NW) INV = 653.24 (10" SE) INV = 656.45 (4" SW) (SEE NOTE 1)
- 13 STA. 130+67.4, 7.6' RT INLET TB T8G RIM = 657.45 INV = 652.38 (10" NW) INV = 652.38 (10" SE) INV = 656.32 (1.5" SW) INV = 656.43 (1.5" SW) (SEE NOTE 1)
- 14 STA. 131+16.7, 7.7' RT INLET TB T8G RIM = 657.19 INV = 651.69 (10" NW) INV = 651.69 (10" NE)
- 15 STA. 131+19.9, 2.3' LT DSU STRUC TO BE ADJ CB TC T8G EX RIM = 657.43 PR RIM = 657.45 INV = 651.58 (EX 12" N) INV = 651.43 (EX 12" E) INV = 651.58 (12" W)
- 16 STA. 132+08.4, 0.5' RT MH TA 4 DIA TIF CL INLET TB T8G RIM = 656.99 INV = 652.57 (12" NE) INV = 652.57 (12" SW)
- 17 STA. 132+09.7, 15.7' RT CB TC T8G RIM = 655.29 INV = 652.64 (12" NE)
- 6 18' - STORM SEW CL A 1, 10" @ 1.00% TBF = 1 CU YD
- 7 19' - STORM SEW CL A 1, 10" @ 1.50% TBF = 0 CU YD
- 8 58' - STORM SEW CL A 1, 10" @ 1.50% TBF = 0 CU YD
- 9 46' - STORM SEW CL A 1, 10" @ 1.50% TBF = 0 CU YD
- 10 7' - STORM SEW CL A 1, 10" @ 1.50% TBF = 5 CU YD
- 11 13' - STORM SEW CL A 1, 12" @ 0.50% TBF = 2 CU YD



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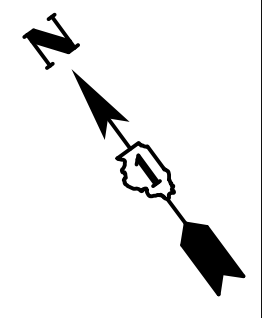
STATE OF ILLINOIS
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PLAN AND PROFILE

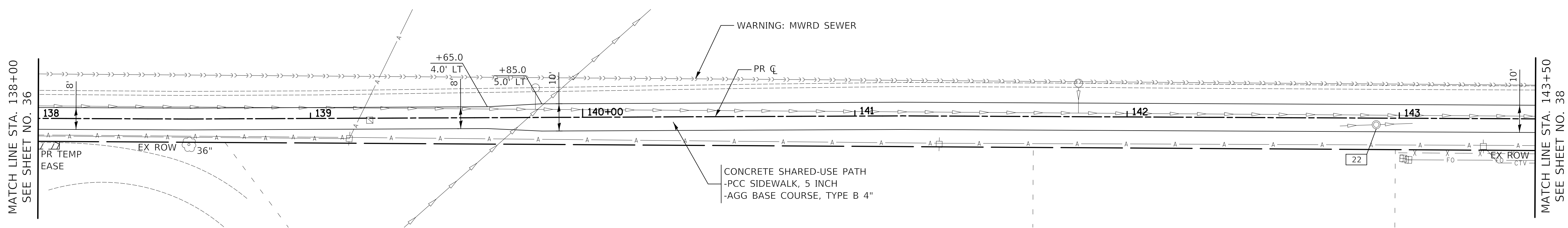
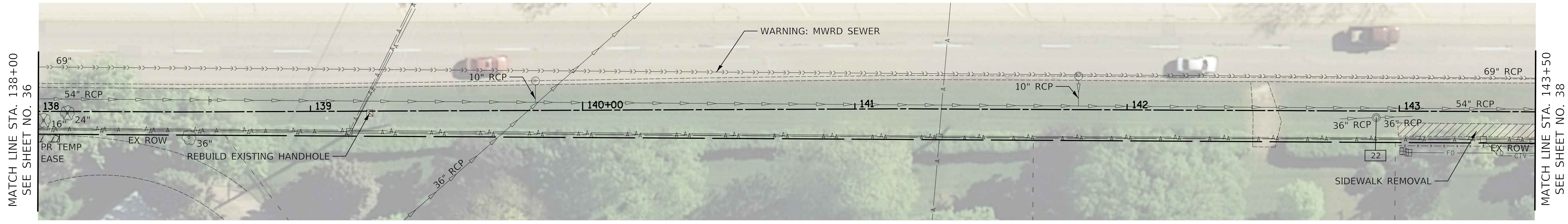
SHEET 6 OF 24 SHEETS STA. 127+00 TO STA. 132+50

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	14-00221-00-BT	COOK	156	35
CONTRACT NO. 61G57				
ILLINOIS FED. AID PROJECT				

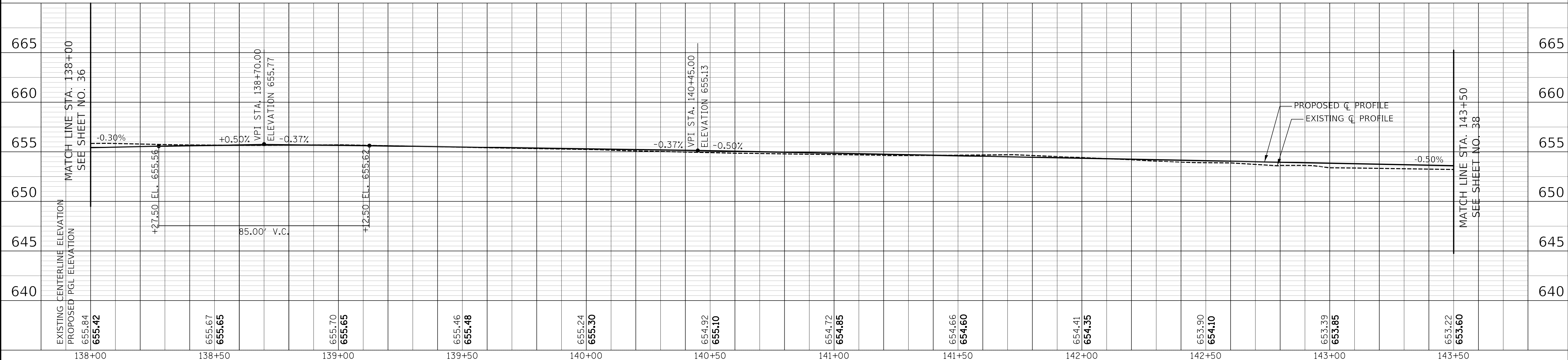


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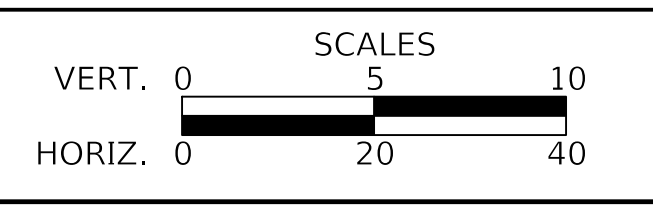
22 STA. 142+91.5, 2.4' RT
 D&U STRUC TO BE ADJ
 EX RIM = 653.52
 PR RIM = 653.93



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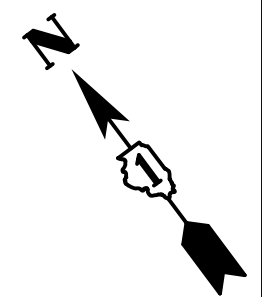
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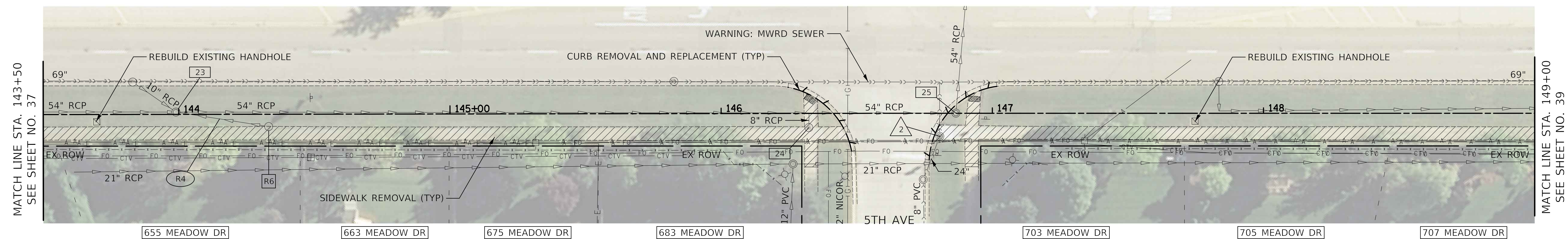
PLAN AND PROFILE
 SHEET 8 OF 24 SHEETS STA. 138+00 TO STA. 143+50

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	14-00221-00-BT	COOK	156	37
CONTRACT NO. 61G57				
ILLINOIS FED. AID PROJECT				



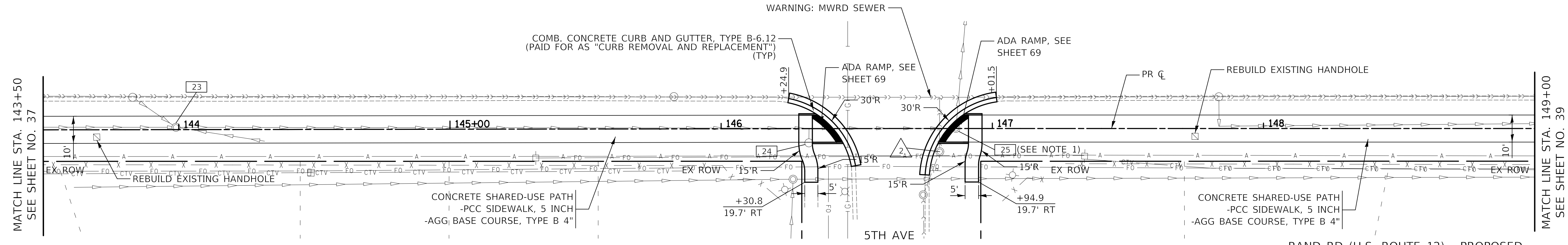
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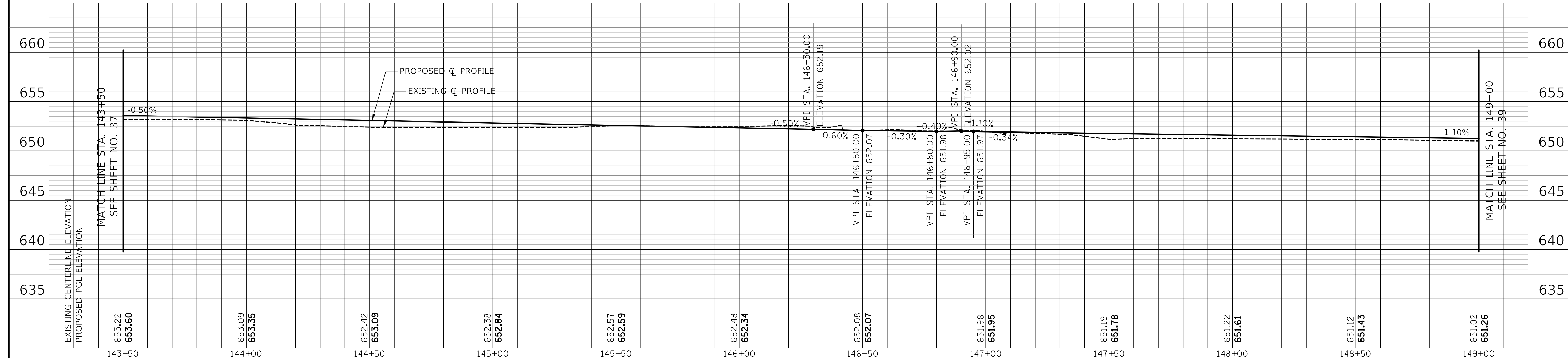
- R6 STA. 144+33.1, 4.5' RT REMOVING CATCH BASINS
- R4 32' - STORM SEWER REMOVAL 8" TBF = 10 CU YD

NOTES:
 1. ROTATE EXISTING MANHOLE LID TO BE CLEAR OF PROPOSED DETECTABLE WARNING.



- 23 STA. 143+99.0, 0.9' LT D&U STRUC TO BE ADJ EX RIM = 653.15 PR RIM = 653.36
- 24 STA. 146+32.3, 5.2' RT D&U STRUC TO BE RECON EX RIM = 652.32 PR RIM = 652.07
- 25 STA. 146+86.6, 0.1' LT D&U STRUC TO BE ADJ EX RIM = 652.32 PR RIM = 652.00 (SEE NOTE 1)

- 2 STA 146+80.6, 8.5' RT D&U STRUC TO BE ADJ EX RIM = 651.99 PR RIM = 651.76

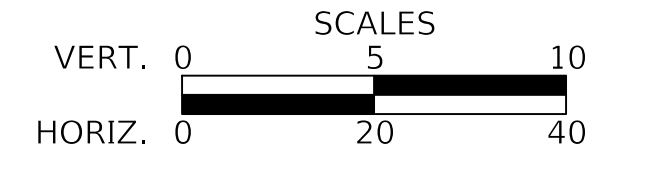


EXISTING CENTERLINE ELEVATION	653.22	653.09	652.42	652.38	652.57	652.48	652.08	651.98	651.19	651.22	651.12	651.02
PROPOSED PGL ELEVATION	653.60	653.35	653.09	652.84	652.59	652.34	652.07	651.95	651.78	651.61	651.45	651.26
	143+50	144+00	144+50	145+00	145+50	146+00	146+50	147+00	147+50	148+00	148+50	149+00

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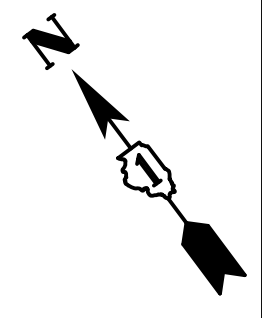
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PLAN AND PROFILE

SHEET 9 OF 24 SHEETS STA. 143+50 TO STA. 149+00

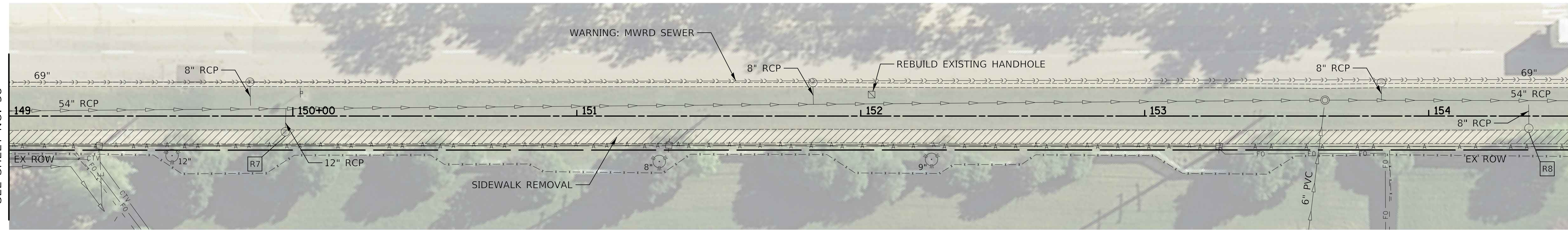
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	14-00221-00-BT	COOK	156	38
CONTRACT NO. 61G57				
ILLINOIS FED. AID PROJECT				



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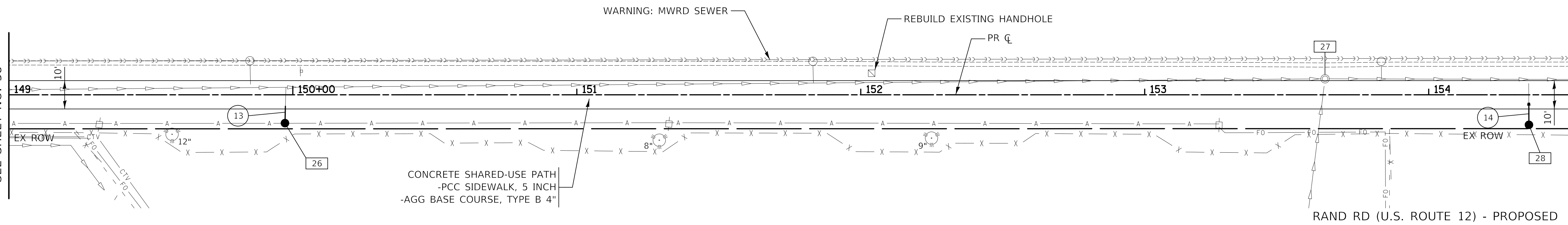
MATCH LINE STA. 149+00
SEE SHEET NO. 38



MATCH LINE STA. 154+50
SEE SHEET NO. 40

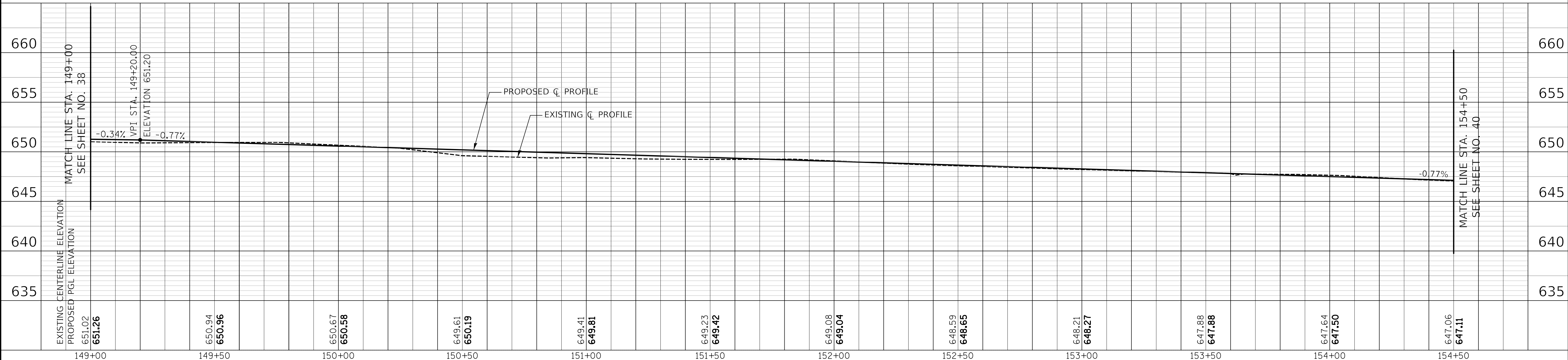
- R7 STA. 149+97.4, 5.5' RT
REMOVING CATCH BASINS
- R8 STA. 154+35.3, 4.3' RT
REMOVING CATCH BASINS

MATCH LINE STA. 149+00
SEE SHEET NO. 38



MATCH LINE STA. 154+50
SEE SHEET NO. 40

- 26 STA. 149+97.2, 12.0' RT
CB TA 4 DIA T1F OL
RIM = 650.20
INV = 647.24 (12" NE)
- 27 STA. 153+63.5, 5.6' LT
D&U STRUC TO BE ADJ
EX RIM = 648.04
PR RIM = 647.88
- 28 STA. 154+35.3, 10.6' RT
CB TA 4 DIA T1F OL
RIM = 647.01
INV = 643.01 (10" NE)
- 13 6' - STORM SEW CL A 1, 12" @ 1.00%
D/S INV = 647.18
TBF = 1 CU YD
- 14 6' - STORM SEW CL A 1, 10" @ 1.00%
D/S INV = 642.95
TBF = 1 CU YD

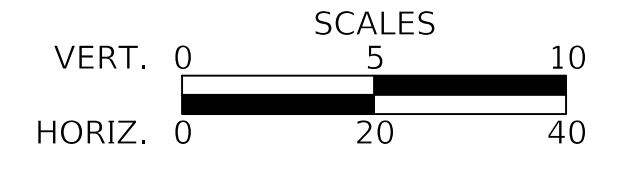


EXISTING CENTERLINE ELEVATION	651.02	650.94	650.67	649.61	649.41	649.23	649.08	648.59	648.21	647.88	647.64	647.06
PROPOSED PGL ELEVATION	651.26	650.96	650.58	650.19	649.81	649.42	649.04	648.65	648.27	647.88	647.50	647.11
	149+00	149+50	150+00	150+50	151+00	151+50	152+00	152+50	153+00	153+50	154+00	154+50

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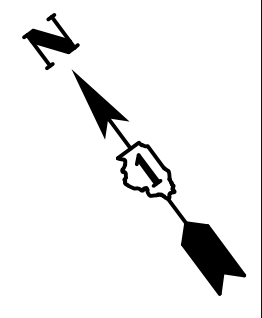
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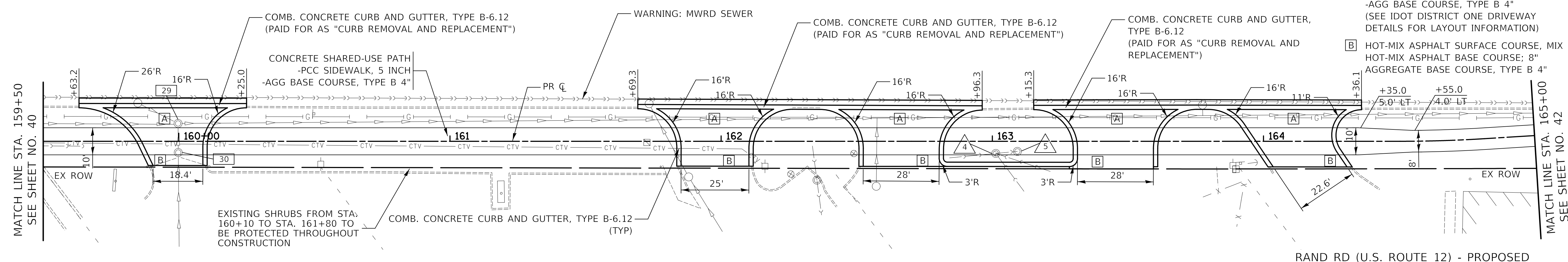
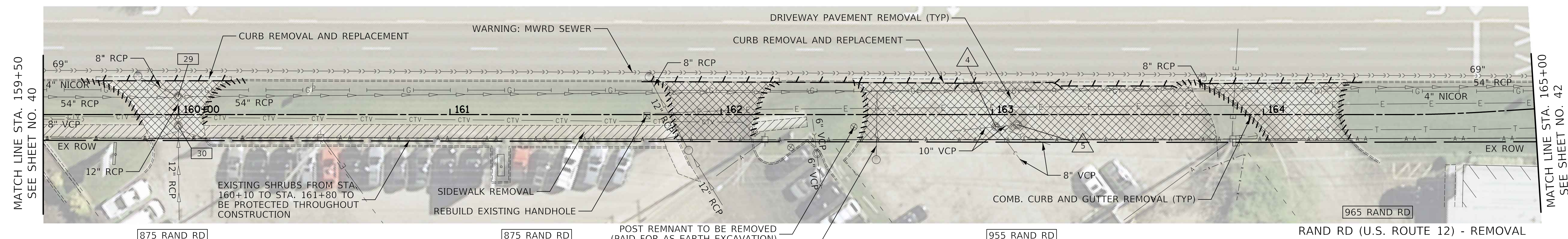
PLAN AND PROFILE
SHEET 10 OF 24 SHEETS STA. 149+00 TO STA. 154+50

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	14-00221-00-BT	COOK	156	39
CONTRACT NO. 61G57				
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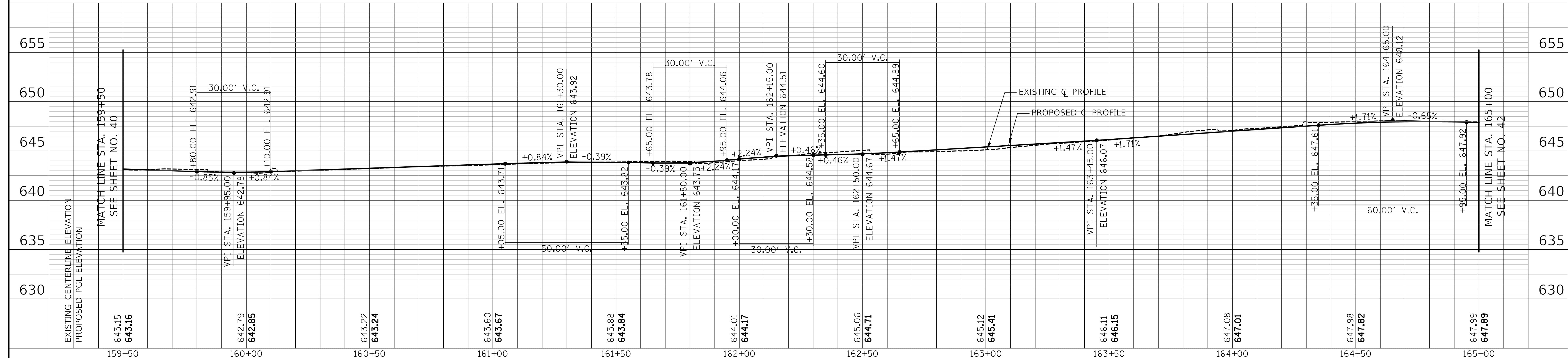
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- LEGEND**
- [A] COMMERCIAL PCC DRIVEWAY
-PCC DRIVEWAY PAVT 8"
-W/ MINIMUM 6" x 6" WELDED WIRE MESH
-AGG BASE COURSE, TYPE B 4"
(SEE IDOT DISTRICT ONE DRIVEWAY DETAILS FOR LAYOUT INFORMATION)
 - [B] HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50; 2"
HOT-MIX ASPHALT BASE COURSE; 8"
AGGREGATE BASE COURSE, TYPE B 4"

- [29] STA. 159+99.7, 6.6' LT
D&U STRUC TO BE ADJ
EX RIM = 642.73
PR RIM = 642.74
- [30] STA. 159+99.8, 4.1' RT
D&U STRUC TO BE ADJ
EX RIM = 642.82
PR RIM = 642.91
- [4] STA 163+01.3, 4.5' RT
D&U STRUC TO BE ADJ
EX RIM = 644.94
PR RIM = 645.37
- [5] STA 163+09.2, 3.7' RT
D&U STRUC TO BE ADJ
EX RIM = 645.21
PR RIM = 645.50

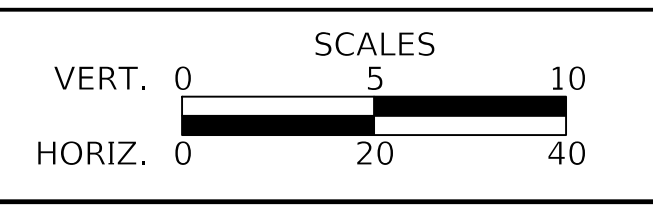


EXISTING CENTERLINE ELEVATION	643.15	642.79	643.22	643.60	643.88	644.01	645.06	645.12	646.11	647.08	647.98	647.99
PROPOSED PGL ELEVATION	643.16	642.85	643.24	643.67	643.84	644.17	644.71	645.41	646.15	647.01	647.82	647.89
	159+50	160+00	160+50	161+00	161+50	162+00	162+50	163+00	163+50	164+00	164+50	165+00

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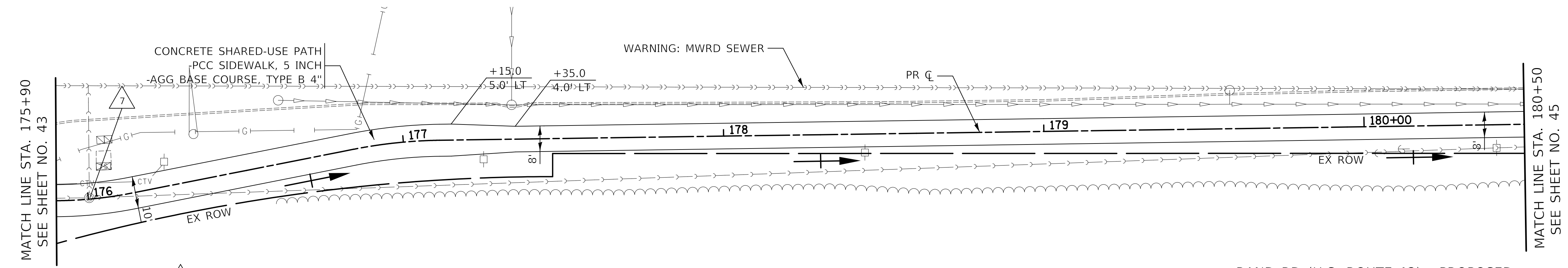
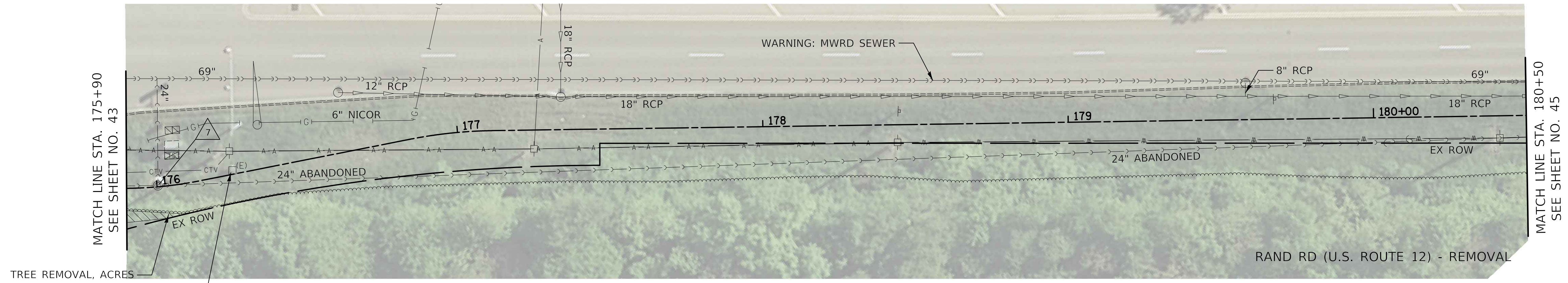


PLAN AND PROFILE
SHEET 12 OF 24 SHEETS STA. 159+50 TO STA. 165+00

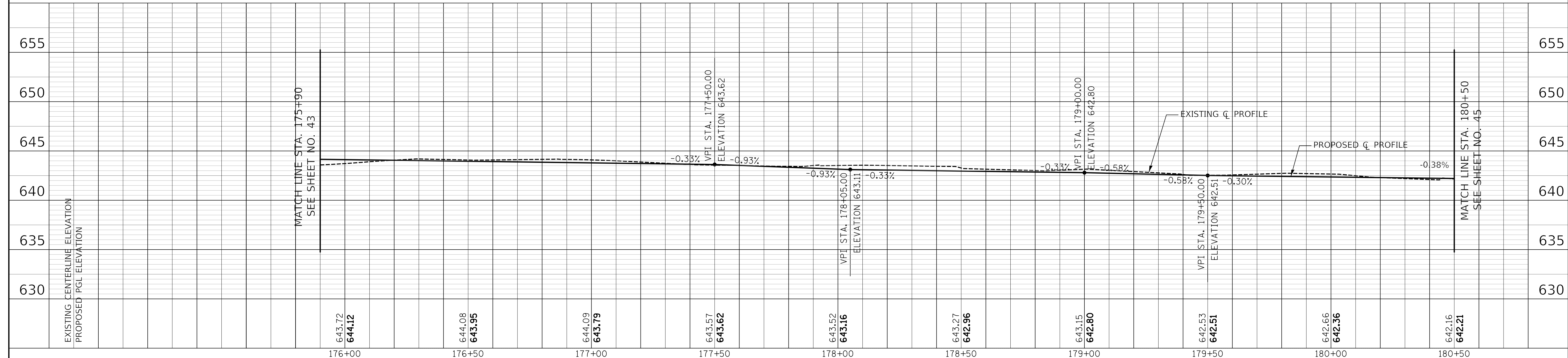
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	14-00221-00-BT	COOK	156	41
CONTRACT NO. 61G57				
ILLINOIS FED. AID PROJECT				

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PROFILE	SURVEYED	DATE
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7 STA 176+00.3, 0.4' LT
MWRD DROP MANHOLE
D&U STRUC TO BE RECON
EX RIM = 645.17
PR RIM = 644.12
SEE MWRD NOTES ON SHEET 2



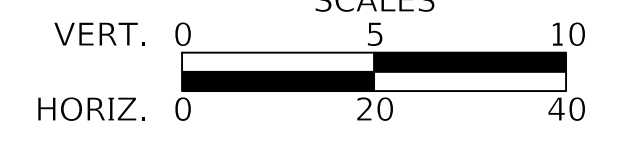
643.72 644.12	644.08 643.95	644.09 643.79	643.57 643.62	643.52 643.16	643.27 642.96	643.15 642.80	642.53 642.51	642.66 642.36	642.16 642.21
176+00	176+50	177+00	177+50	178+00	178+50	179+00	179+50	180+00	180+50



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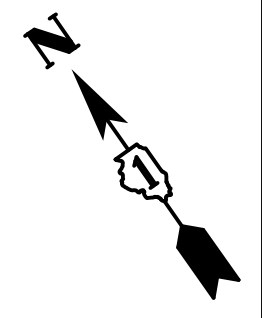
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PLAN AND PROFILE

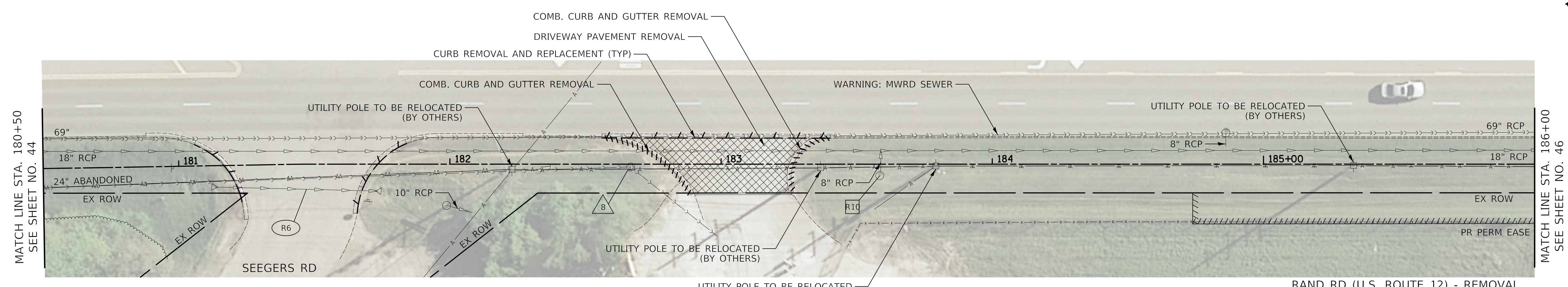
SHEET 15 OF 24 SHEETS STA. 175+90 TO STA. 180+50

F.A.P. RTE. 334	SECTION 14-00221-00-BT	COUNTY COOK	TOTAL SHEETS 156	SHEET NO. 44
CONTRACT NO. 61G57				
ILLINOIS FED. AID PROJECT				



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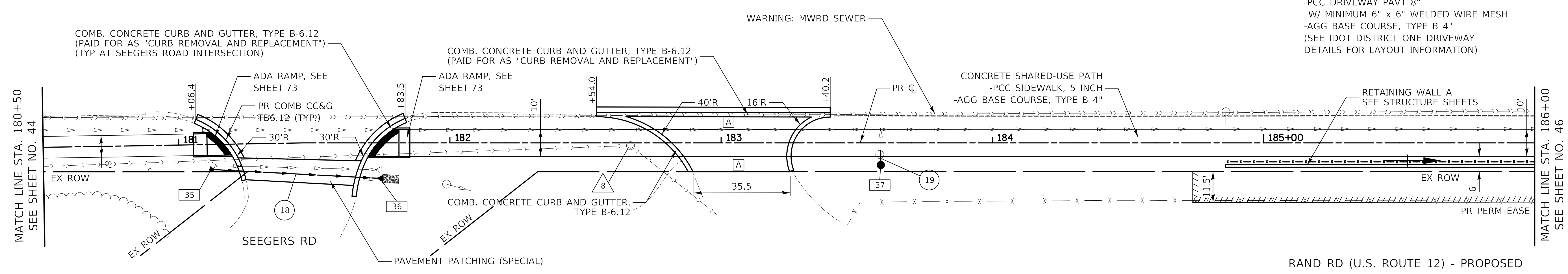
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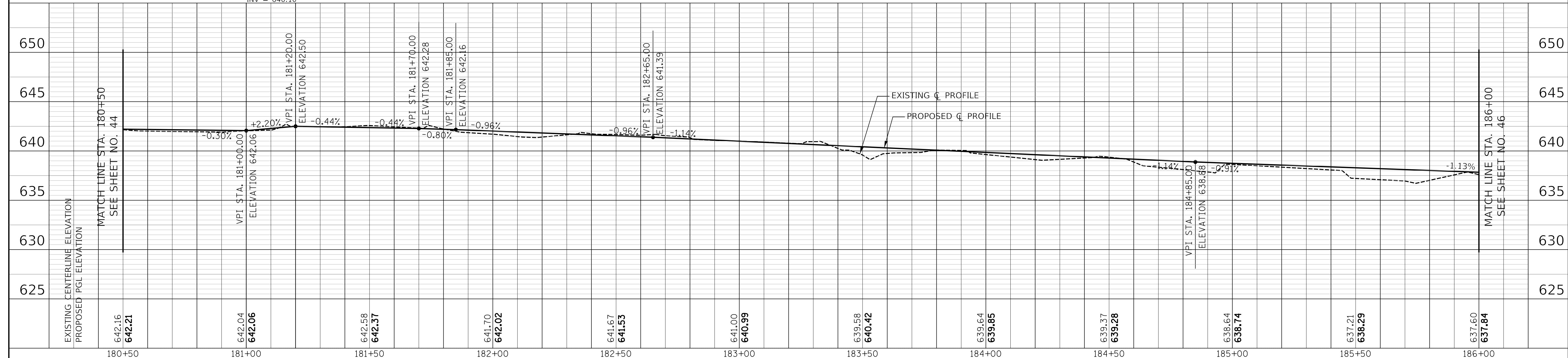
- R6 61' - PIPE CULVERT REMOVAL 15" TBF = 10 CU YD
- R10 STA. 183+58.5, 4.3' RT REMOVING CATCH BASINS

LEGEND

- A COMMERCIAL PCC DRIVEWAY
- PCC DRIVEWAY PAVT 8"
- W/ MINIMUM 6" x 6" WELDED WIRE MESH
- AGG BASE COURSE, TYPE B 4"
- (SEE IDOT DISTRICT ONE DRIVEWAY DETAILS FOR LAYOUT INFORMATION)



- 35 STA. 181+11.2, 9.2' RT PRC FLAR END SEC 15 INV = 640.25
- 36 STA. 181+75.2, 13.1' RT PRC FLAR END SEC 15 STONE RIPRAP, CLASS A1 FILTER FABRIC INV = 640.10
- 37 STA. 183+58.9, 8.2' RT CB TC T8G RIM = 639.20 INV = 636.30 (10" NE)
- 8 STA 182+66.6, 1.0' RT D&U STRUC TO BE ADJ EX RIM = 641.69 PR RIM = 641.36
- 18 52' - STORM SEW CL A 2, 15" @ 0.23% TBF = 2 CU YD
- 19 5' - STORM SEW CL A 1, 10" @ 1.00% TBF = 1 CU YD

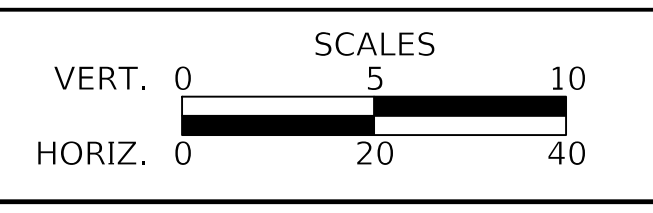


EXISTING CENTERLINE ELEVATION	642.16	642.04	642.06	642.58	642.37	641.70	641.67	641.53	641.00	640.99	639.58	640.42	639.64	639.85	639.37	639.28	638.64	638.74	637.21	638.29	637.60	637.84
PROPOSED PGL ELEVATION	642.21	642.06	642.06	642.37	642.37	642.02	641.53	641.53	640.99	640.99	640.42	640.42	639.85	639.85	639.28	639.28	638.74	638.74	638.29	638.29	637.84	637.84
STATION	180+50	181+00	181+50	182+00	182+50	183+00	183+50	184+00	184+50	185+00	185+50	186+00										

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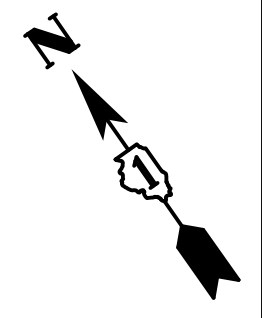
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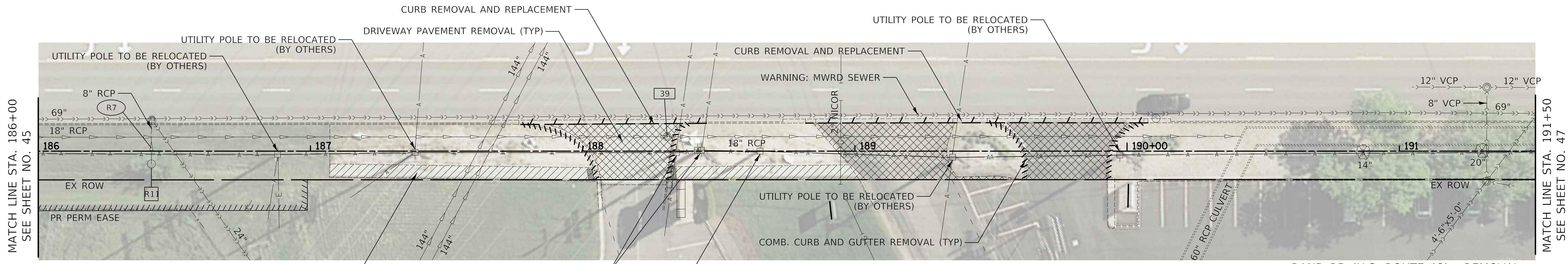
PLAN AND PROFILE
 SHEET 16 OF 24 SHEETS STA. 180+50 TO STA. 186+00

F.A.P. RTE. 334	SECTION 14-00221-00-BT	COUNTY COOK	TOTAL SHEETS 156	SHEET NO. 45
CONTRACT NO. 61G57				
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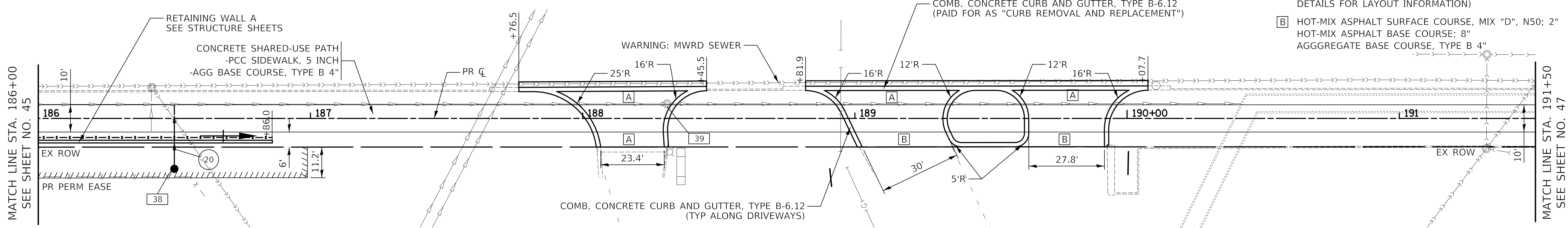
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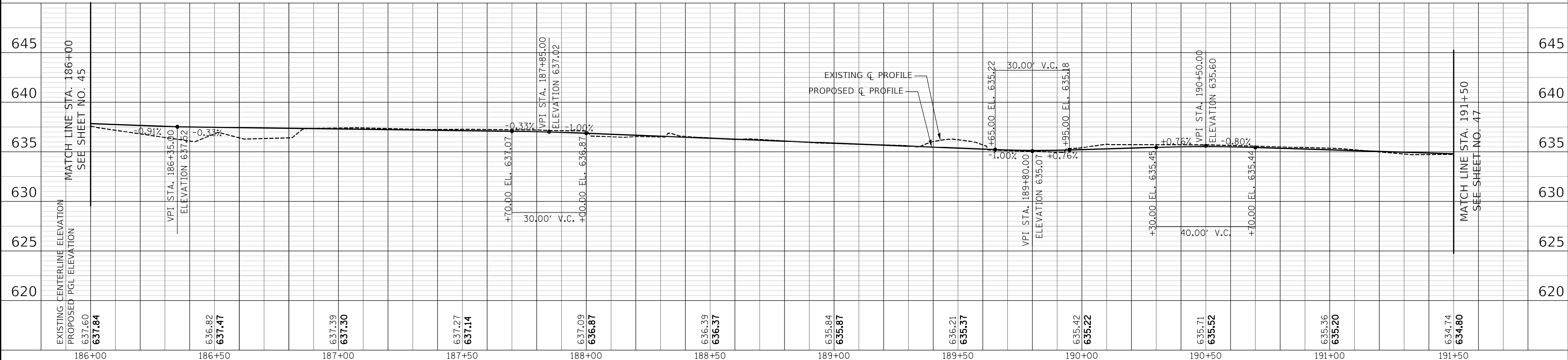


- [R1] STA. 186+41.6, 4.7' RT REMOVING CATCH BASINS
- (R7) 10' - STORM SEWER REMOVAL 8" TBF = 4 CU YD
- [39] STA. 188+31.0, 5.3' LT D&U STRUC TO BE ADJ EX RIM = 636.44 PR RIM = 636.39
- (20) 23' - STORM SEW CL A 1, 12" @ X.XX% DIS INV = UNKNOWN TBF = 10 CU YD

- LEGEND**
- [A] COMMERCIAL PCC DRIVEWAY
-PCC DRIVEWAY PAVT 8"
W/ MINIMUM 6" x 6" WELDED WIRE MESH
-AGG BASE COURSE, TYPE B 4"
(SEE IDOT DISTRICT ONE DRIVEWAY DETAILS FOR LAYOUT INFORMATION)
 - [B] HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50; 2"
HOT-MIX ASPHALT BASE COURSE; 8"
AGGGREGATE BASE COURSE, TYPE B 4"



- [38] STA. 186+50.0, 18.5' RT CB TC T8G RIM = 634.14 INV = 630.53 (12" NE)
- [39] STA. 188+31.0, 5.3' LT D&U STRUC TO BE ADJ EX RIM = 636.44 PR RIM = 636.39
- (20) 23' - STORM SEW CL A 1, 12" @ X.XX% DIS INV = UNKNOWN TBF = 10 CU YD



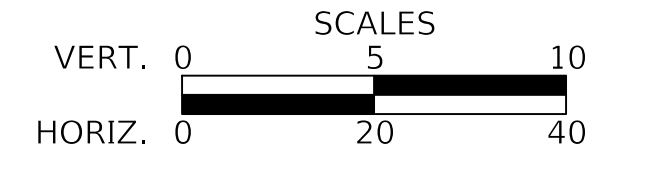
EXISTING CENTERLINE ELEVATION	637.60	636.82	637.39	637.27	637.09	636.39	635.84	636.21	635.42	635.71	635.36	634.74
PROPOSED PGL ELEVATION	637.84	637.47	637.50	637.14	636.87	636.37	635.87	635.37	635.22	635.52	635.20	634.80
STATION	186+00	186+50	187+00	187+50	188+00	188+50	189+00	189+50	190+00	190+50	191+00	191+50



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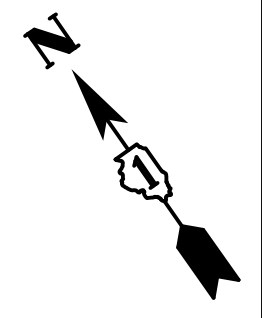
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



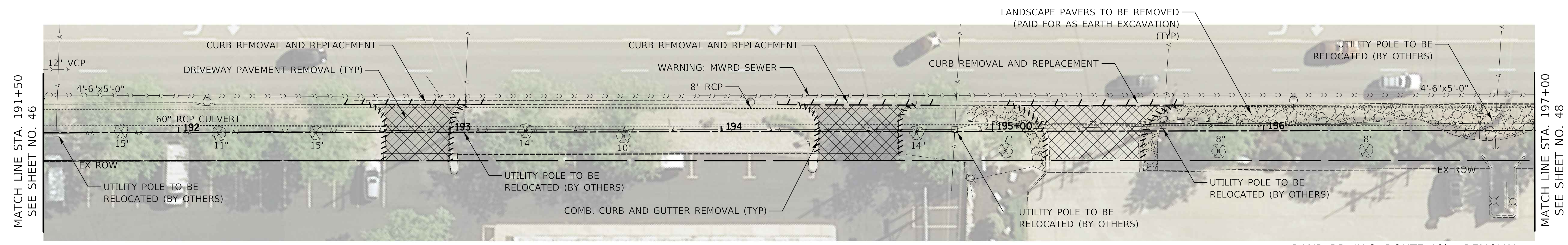
PLAN AND PROFILE
SHEET 17 OF 24 SHEETS STA. 186+00 TO STA. 191+50

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	14-00221-00-BT	COOK	156	46
CONTRACT NO. 61G57				
ILLINOIS FED. AID PROJECT				



DATE	
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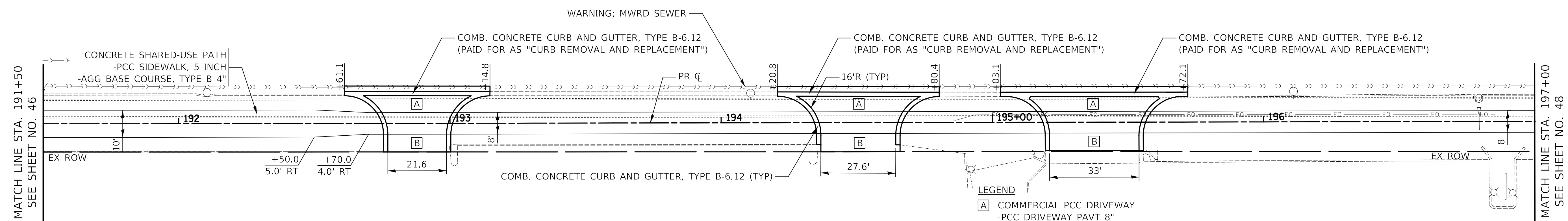


1291 RAND RD 1293 RAND RD
 1295 RAND RD 1297 RAND RD
 1299 RAND RD 1301 RAND RD
 1303 RAND RD 1305 RAND RD
 1307 RAND RD

1287 RAND RD 1289 RAND RD
 1309 RAND RD 1311 RAND RD

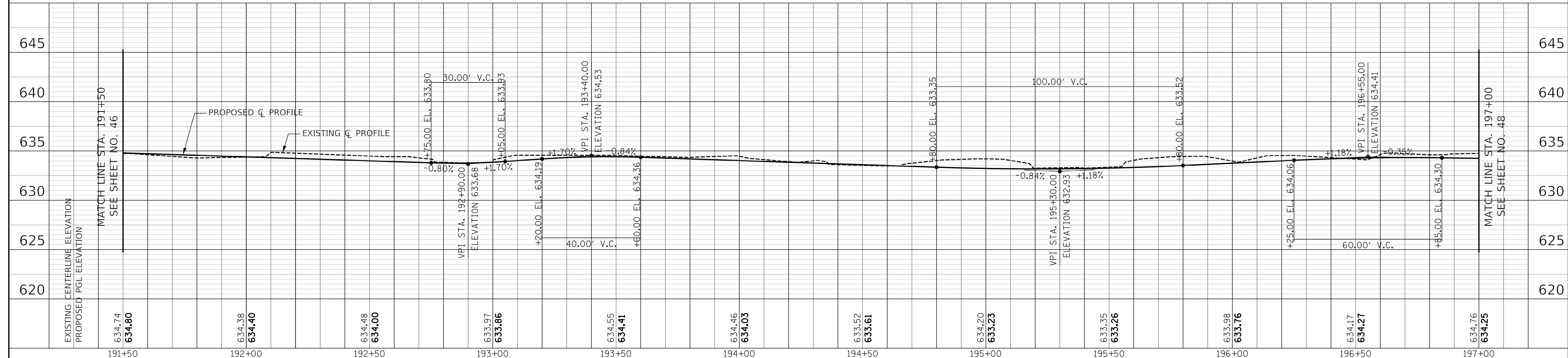
1313 RAND RD

RAND RD (U.S. ROUTE 12) - REMOVAL



- LEGEND**
- [A] COMMERCIAL PCC DRIVEWAY
 -PCC DRIVEWAY PAVT 8"
 -W/ MINIMUM 6" x 6" WELDED WIRE MESH
 -AGG BASE COURSE, TYPE B 4"
 (SEE IDOT DISTRICT ONE DRIVEWAY DETAILS FOR LAYOUT INFORMATION)
 - [B] HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50; 2"
 HOT-MIX ASPHALT BASE COURSE; 8"
 AGGREGATE BASE COURSE, TYPE B 4"

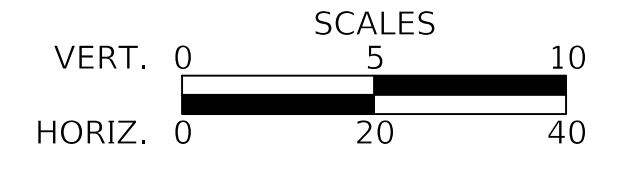
RAND RD (U.S. ROUTE 12) - PROPOSED



Two Pierce Place, Suite 1400
 Itasca, Illinois 60143
 Tel: 630.773.3900 Fax: 630.773.3975
 www.civiltechinc.com

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CHECKED - KRK	REVISED -
DATE - 12/28/2020	REVISED -

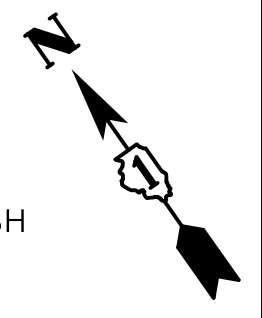
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**



PLAN AND PROFILE

SHEET 18 OF 24 SHEETS STA. 191+50 TO STA. 197+00

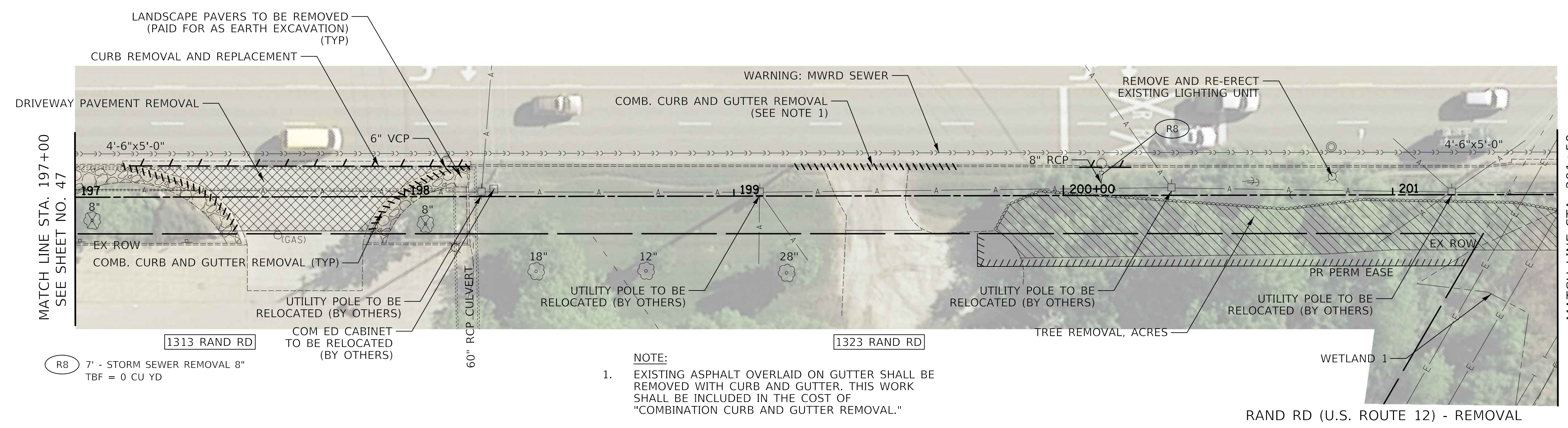
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	14-00221-00-BT	COOK	156	47
CONTRACT NO. 61G57				
ILLINOIS FED. AID PROJECT				



LEGEND
 [A] COMMERCIAL PCC DRIVEWAY
 -PCC DRIVEWAY PAVT 8"
 W/ MINIMUM 6" x 6" WELDED WIRE MESH
 -AGG BASE COURSE, TYPE B 4"
 (SEE IDOT DISTRICT ONE DRIVEWAY
 DETAILS FOR LAYOUT INFORMATION)

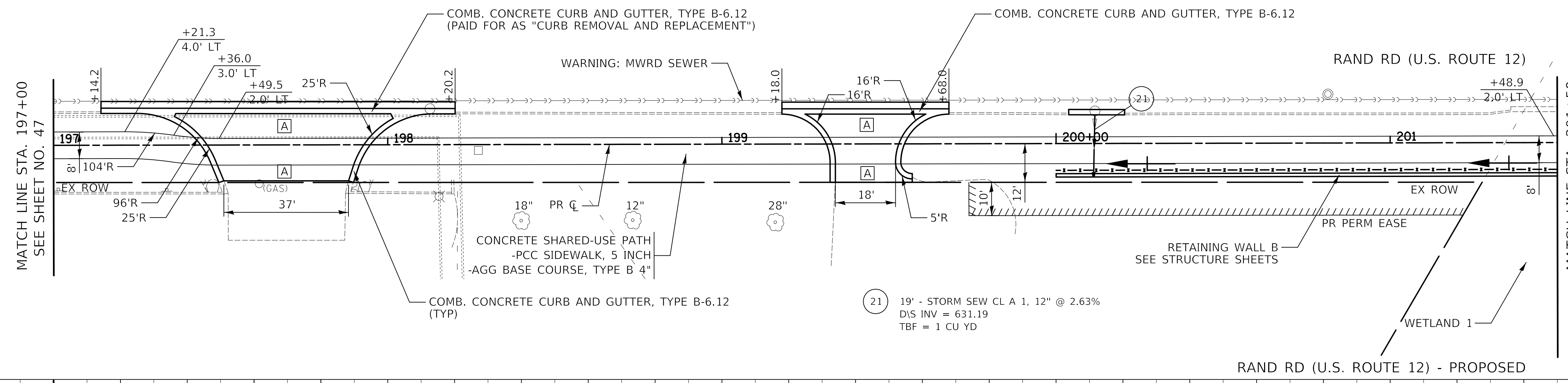
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STRUCTURE NOTATIONS CHK'D	



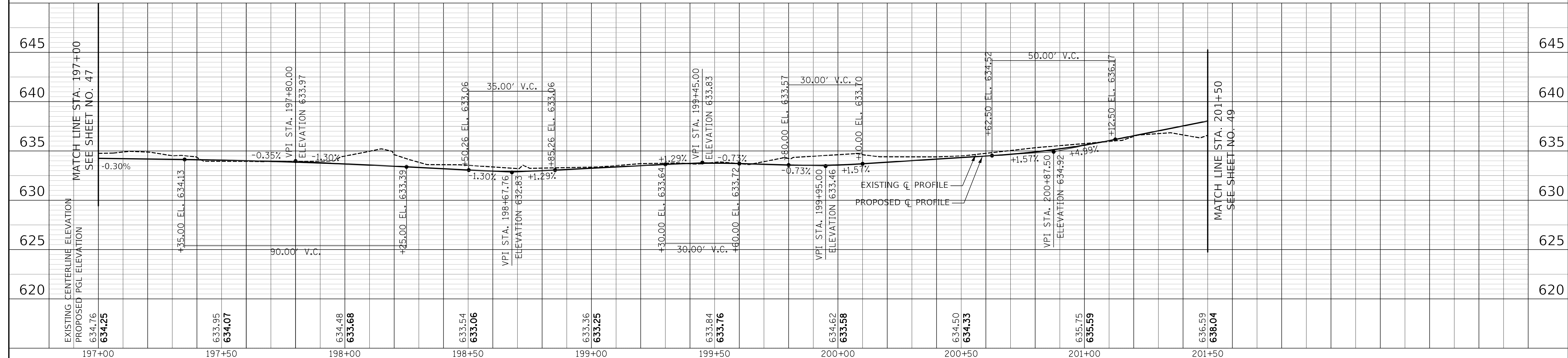
NOTE:
 1. EXISTING ASPHALT OVERLAID ON GUTTER SHALL BE REMOVED WITH CURB AND GUTTER. THIS WORK SHALL BE INCLUDED IN THE COST OF "COMBINATION CURB AND GUTTER REMOVAL."

RAND RD (U.S. ROUTE 12) - REMOVAL



(21) 19' - STORM SEW CL A 1. 12" @ 2.63%
 DIS INV = 631.19
 TBF = 1 CU YD

RAND RD (U.S. ROUTE 12) - PROPOSED



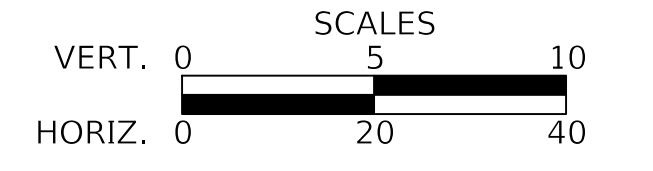
EXISTING CENTERLINE ELEVATION	PROPOSED PGL ELEVATION	634.25	633.95	634.07	634.48	633.68	633.54	633.06	633.36	633.25	633.84	633.76	634.62	633.58	634.50	634.33	635.75	635.59	636.59	638.04
197+00	197+50	198+00	198+50	199+00	199+50	200+00	200+50	201+00	201+50											



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DATE -	12/28/2020	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



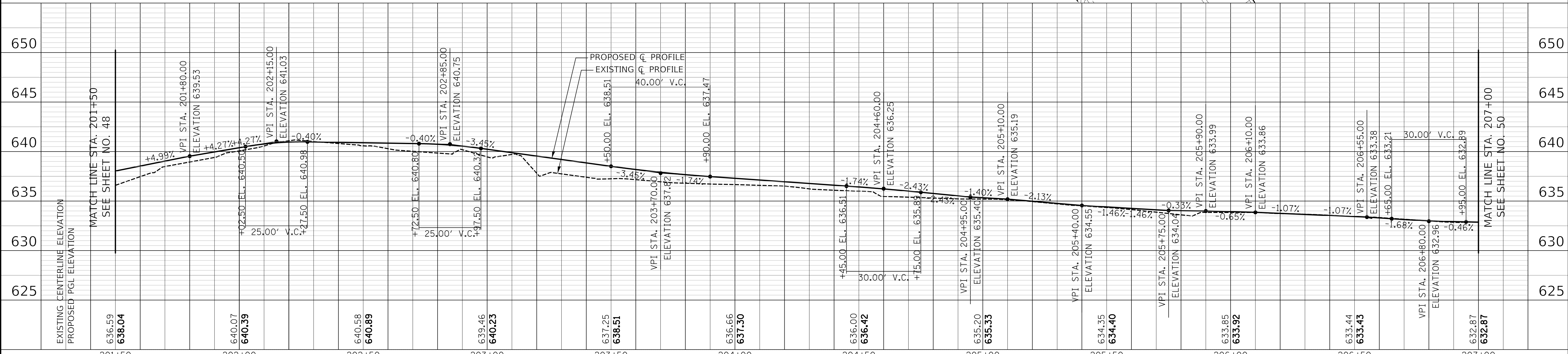
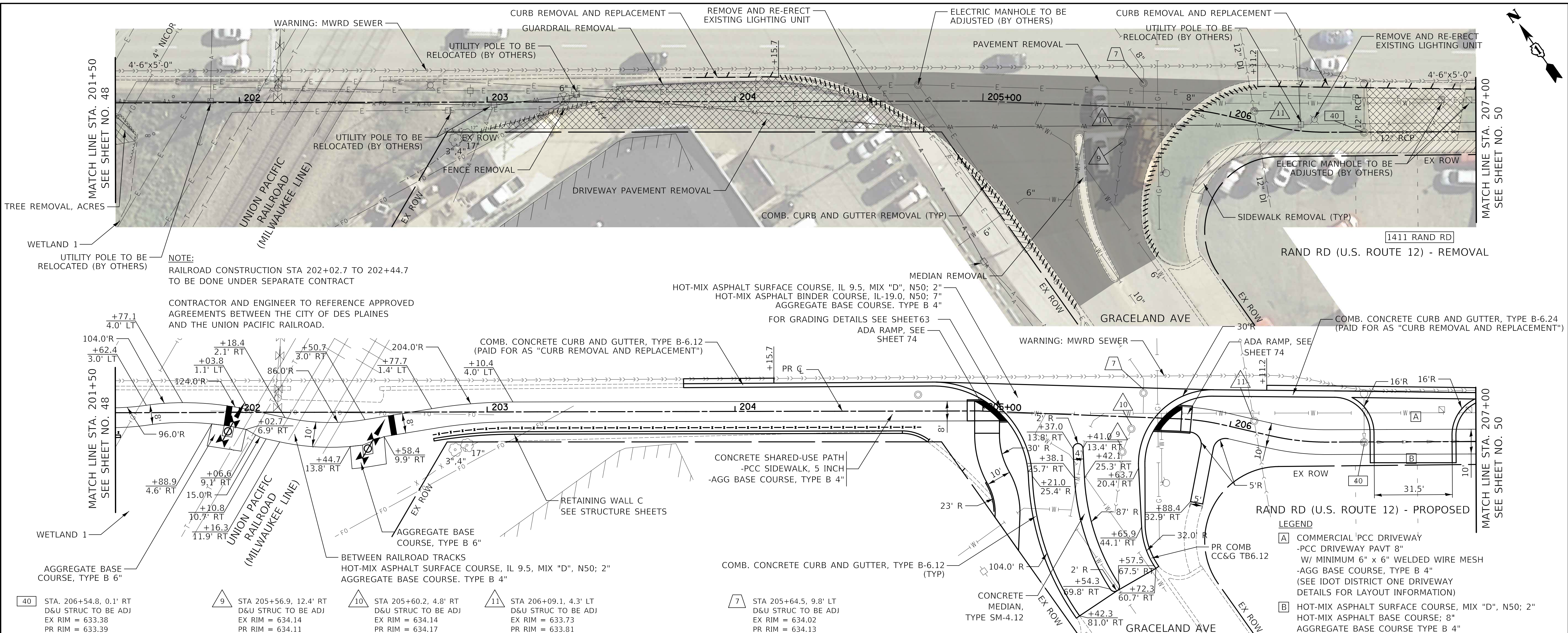
PLAN AND PROFILE

SHEET 19 OF 24 SHEETS STA. 197+00 TO STA. 201+50

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	14-00221-00-BT	COOK	156	48
CONTRACT NO. 61G57				
ILLINOIS FED. AID PROJECT				

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NOTE BOOK	
NO. _____	
CADD FILE NAME	

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NOTED	
B.M. NOTED	
STRUCTURE NOTATIONS CHK'D	
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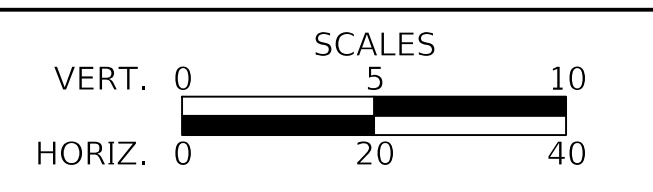
EXISTING CENTERLINE ELEVATION	636.59	640.07	640.58	639.46	637.25	636.66	636.00	635.20	634.35	633.85	633.44	632.87	
PROPOSED PGL ELEVATION	638.04	640.39	640.89	640.23	638.51	637.30	636.42	635.33	634.40	633.92	633.43	632.87	
	201+50	202+00	202+50	203+00	203+50	204+00	204+50	205+00	205+50	206+00	206+50	207+00	



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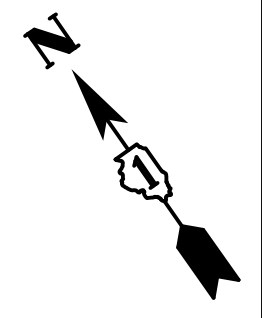
DESIGNED -	BAS	REVISED -	
DRAWN -	BAS	REVISED -	
CHECKED -	KRK	REVISED -	
DATE -	12/28/2020	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



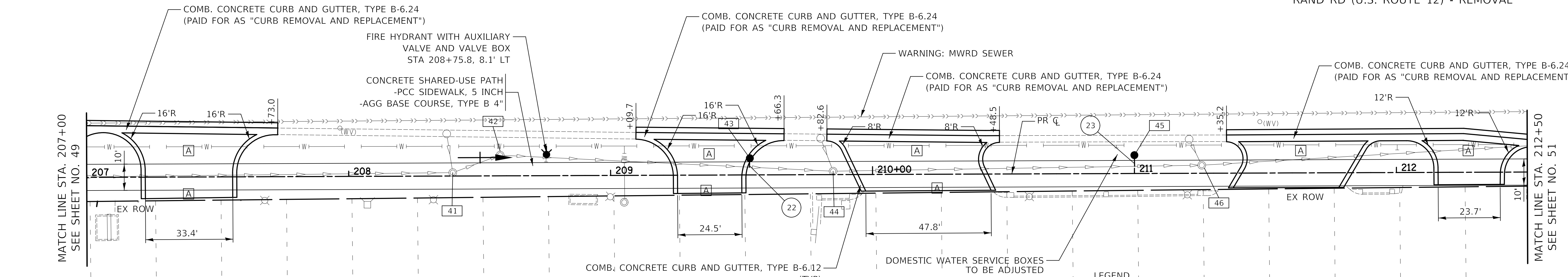
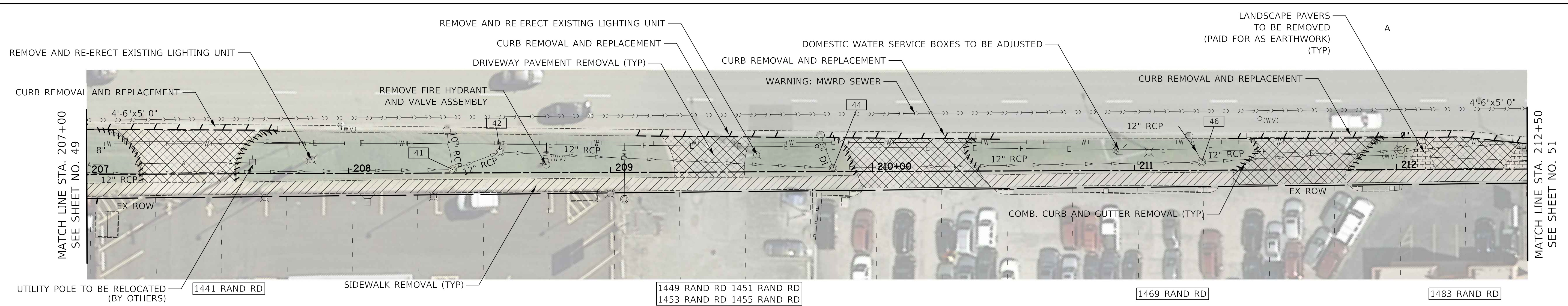
PLAN AND PROFILE
SHEET 20 OF 24 SHEETS STA. 201+50 TO STA. 207+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	14-00221-00-BT	COOK	156	49
CONTRACT NO. 61G57				
ILLINOIS FED. AID PROJECT				

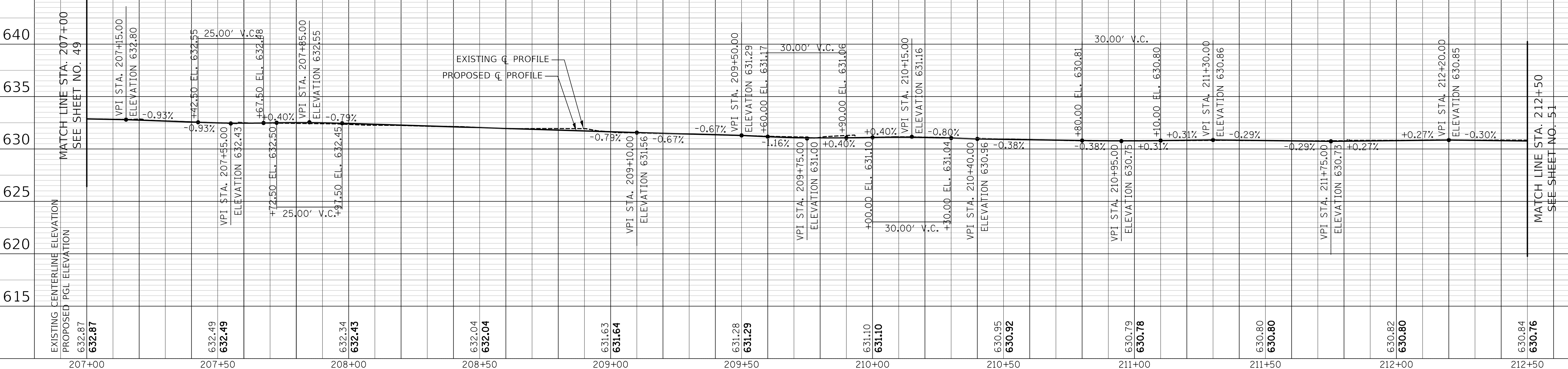


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STRUCTURE NOTATIONS CHK'D	

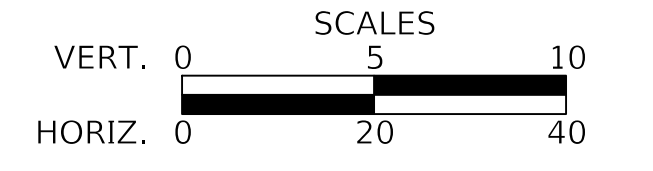


41	STA. 208+39.7, 1.3' LT D&U STRUC TO BE ADJ EX RIM = 632.13 PR RIM = 632.10	42	STA. 208+57.9, 7.9' LT D&U STRUC TO BE ADJ EX RIM = 631.96 PR RIM = 631.91	43	STA. 209+53.2, 6.4' LT CB TC T11 F&G RIM = 631.20 INV = 627.60 (12" SW)	44	STA. 209+85.0, 1.3' LT D&U STRUC TO BE ADJ EX RIM = 631.24 PR RIM = 631.04	45	STA. 211+00.0, 7.0' LT CB TC T86 RIM = 630.62 INV = 626.72 (12" SW)	46	STA. 211+25.7, 3.1' LT D&U STRUC TO BE ADJ EX RIM = 630.81 PR RIM = 630.80
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DATE -	12/28/2020	REVISED -	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

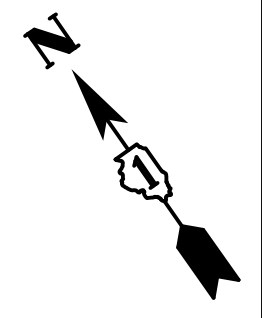


PLAN AND PROFILE

SHEET 21 OF 24 SHEETS STA. 207+00 TO STA. 212+50

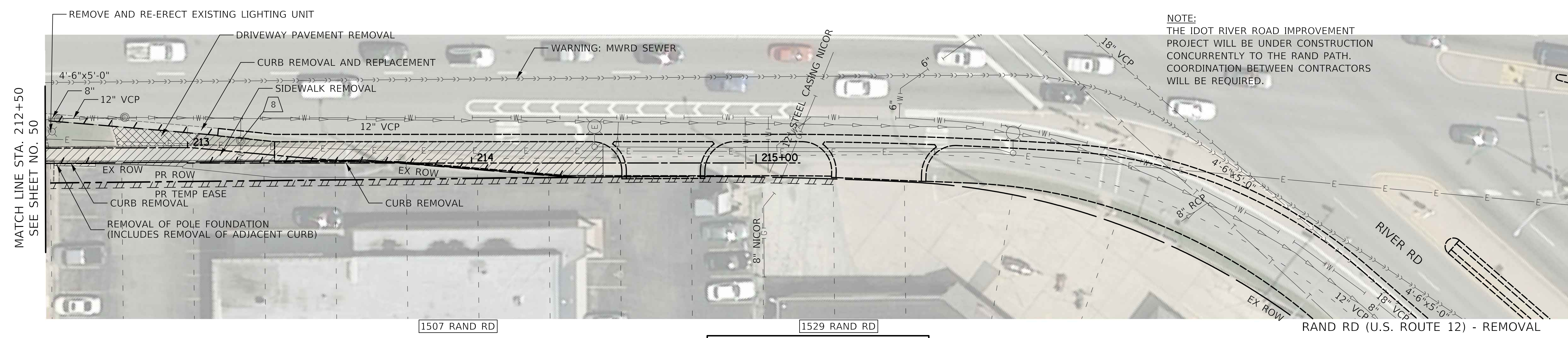
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	14-00221-00-BT	COOK	156	50
CONTRACT NO. 61G57				
ILLINOIS FED. AID PROJECT				

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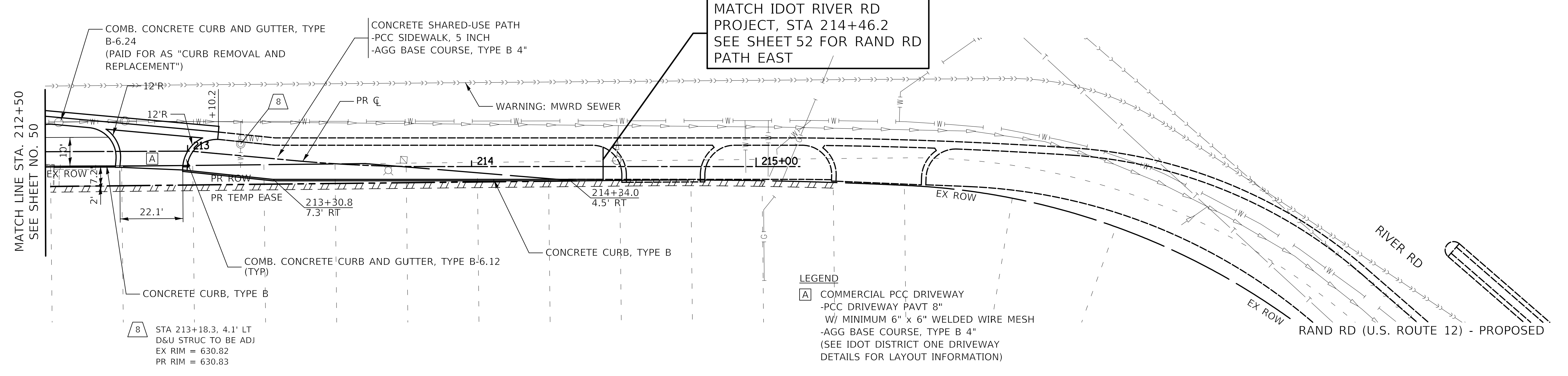


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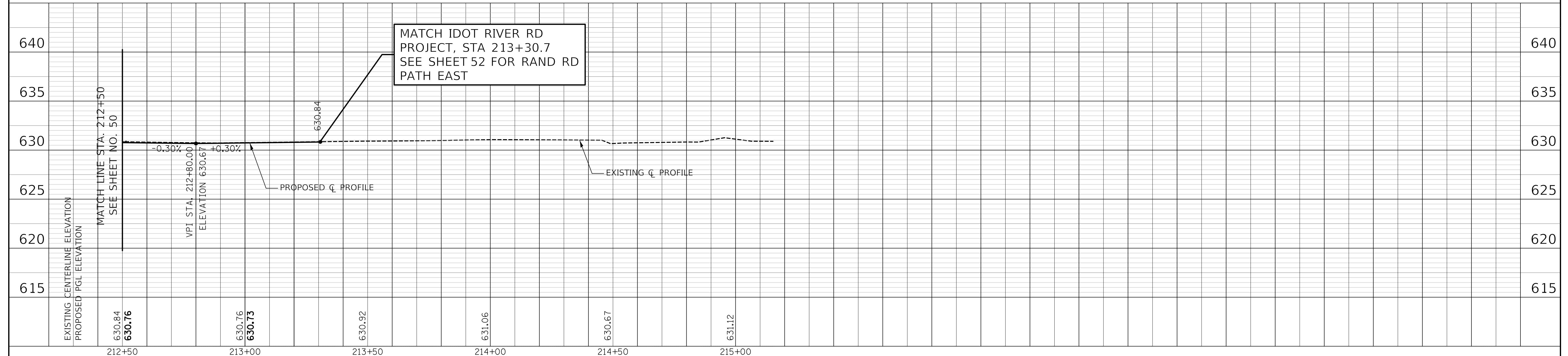
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SURVEYED	
PLOTTED	
NOTED	
B.M. ADDED	
STRUCTURE NOTATIONS CHK'D	



NOTE:
THE IDOT RIVER ROAD IMPROVEMENT PROJECT WILL BE UNDER CONSTRUCTION CONCURRENTLY TO THE RAND PATH. COORDINATION BETWEEN CONTRACTORS WILL BE REQUIRED.



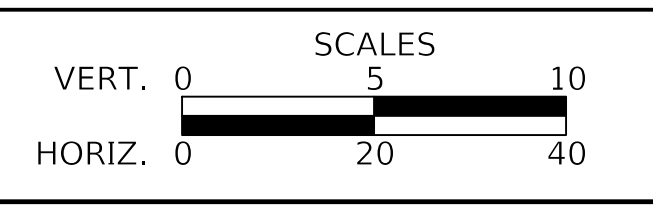
LEGEND
 [A] COMMERCIAL PCC DRIVEWAY
 -PCC DRIVEWAY PAVT 8"
 W/ MINIMUM 6" x 6" WELDED WIRE MESH
 -AGG BASE COURSE, TYPE B 4"
 (SEE IDOT DISTRICT ONE DRIVEWAY DETAILS FOR LAYOUT INFORMATION)



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DATE -	12/28/2020	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

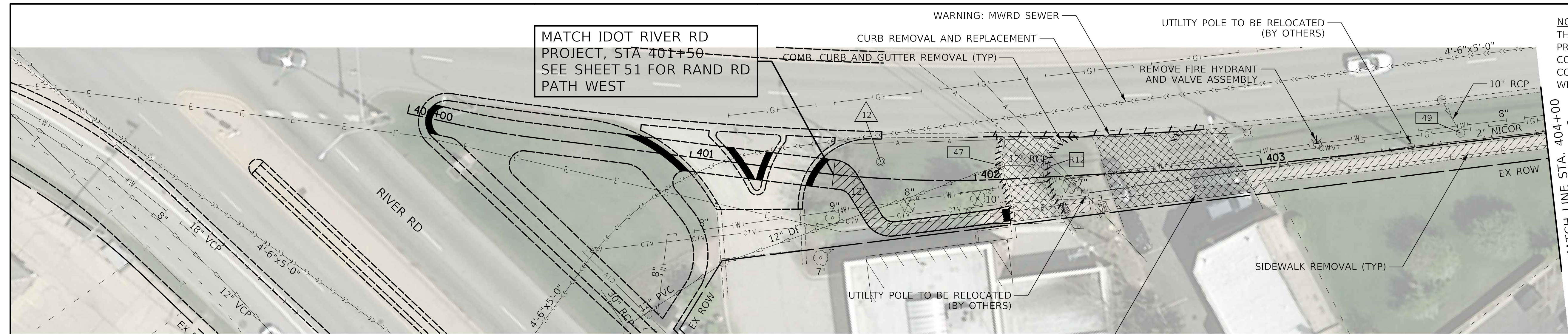


PLAN AND PROFILE
 SHEET 22 OF 24 SHEETS STA. 212+50 TO STA. 214+50

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	14-00221-00-BT	COOK	156	51
CONTRACT NO. 61G57				
ILLINOIS FED. AID PROJECT				

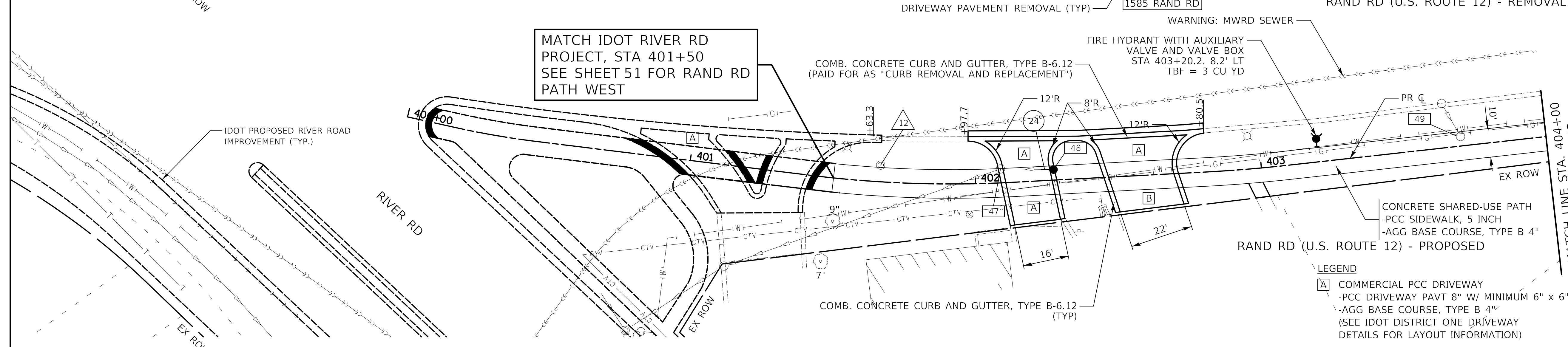
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NOTED	
B.M. NOTED	
STRUCTURE NOTATIONS CHK'D	
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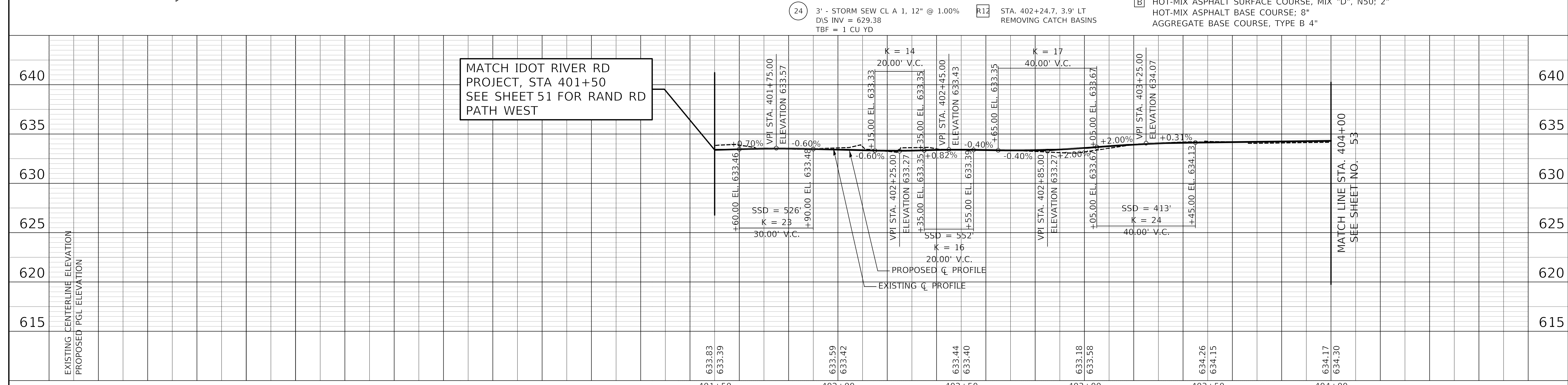


NOTE:
THE IDOT RIVER ROAD IMPROVEMENT PROJECT WILL BE UNDER CONSTRUCTION CONCURRENTLY TO THE RAND PATH. COORDINATION BETWEEN CONTRACTORS WILL BE REQUIRED.

- 47 STA. 402+09.0, 4.9' LT D&U STRUC TO BE ADJ EX RIM = 633.17 PR RIM = 632.88
- 48 STA. 402+27.5, 3.7' LT CB TC T1F OL PR RIM = 633.20 INV = 629.41 (12" NW)
- 49 STA. 403+70.3, 3.3' LT D&U STRUC TO BE ADJ W/ NEW T1F CL EX RIM = 633.44 PR RIM = 634.16
- 12 STA. 401+66.5, 5.8' LT D&U STRUC TO BE ADJ EX RIM = 632.71 PR RIM = 633.39

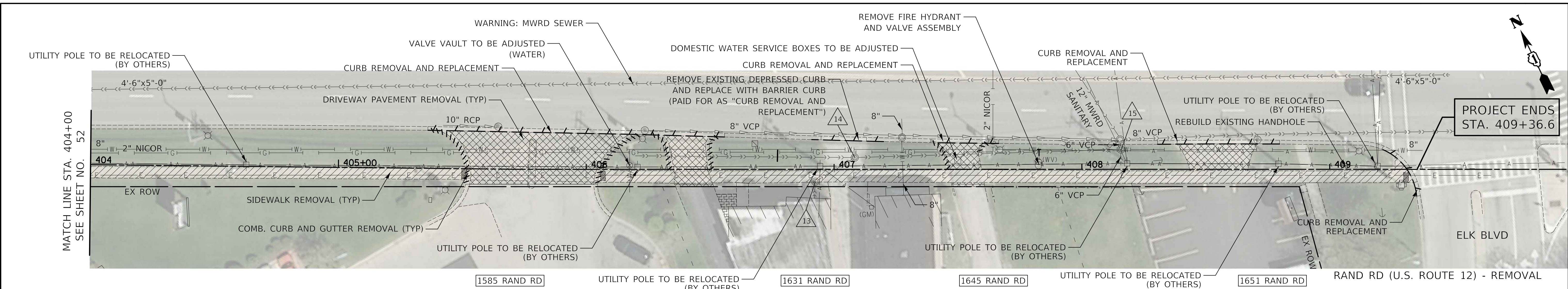


- LEGEND
- A COMMERCIAL PCC DRIVEWAY -PCC DRIVEWAY PAVT 8" W/ MINIMUM 6" x 6" WELDED WIRE MESH -AGG BASE COURSE, TYPE B 4" (SEE IDOT DISTRICT ONE DRIVEWAY DETAILS FOR LAYOUT INFORMATION)
 - B HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50; 2" HOT-MIX ASPHALT BASE COURSE; 8" AGGREGATE BASE COURSE, TYPE B 4"



DATE: _____
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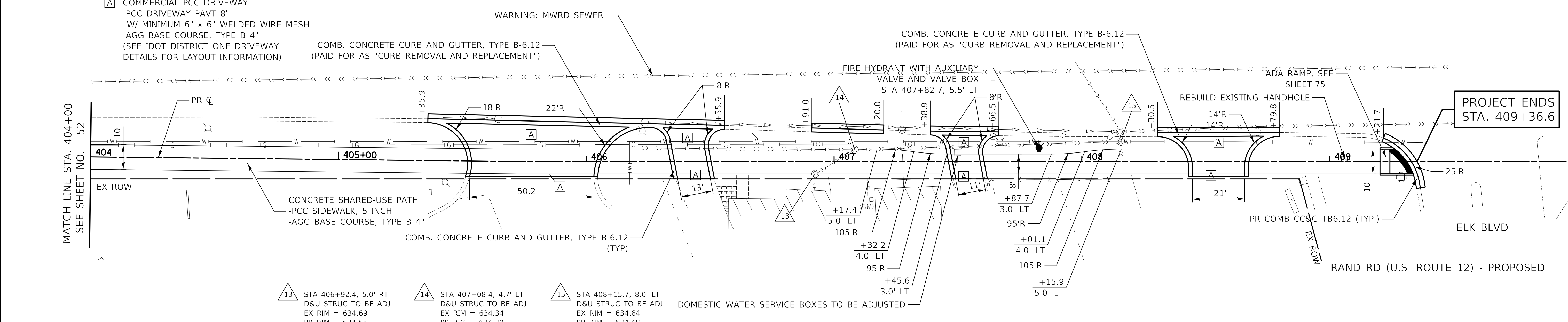
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 B.M. ADDED: _____
 STRUCTURE NOTATIONS CHK'D: _____
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LEGEND
 [A] COMMERCIAL PCC DRIVEWAY
 -PCC DRIVEWAY PAVT 8"
 W/ MINIMUM 6" x 6" WELDED WIRE MESH
 -AGG BASE COURSE, TYPE B 4"
 (SEE IDOT DISTRICT ONE DRIVEWAY
 DETAILS FOR LAYOUT INFORMATION)

COMB. CONCRETE CURB AND GUTTER, TYPE B-6.12
 (PAID FOR AS "CURB REMOVAL AND REPLACEMENT")

COMB. CONCRETE CURB AND GUTTER, TYPE B-6.12
 (PAID FOR AS "CURB REMOVAL AND REPLACEMENT")



13 STA 406+92.4, 5.0' RT D&U STRUC TO BE ADJ
 EX RIM = 634.69
 PR RIM = 634.65

14 STA 407+08.4, 4.7' LT D&U STRUC TO BE ADJ
 EX RIM = 634.34
 PR RIM = 634.39

15 STA 408+15.7, 8.0' LT D&U STRUC TO BE ADJ
 EX RIM = 634.64
 PR RIM = 634.48

EXISTING CENTERLINE ELEVATION	PROPOSED PGL ELEVATION	PROPOSED C PROFILE	EXISTING C PROFILE	SSD	K	V.C.	ELEVATION	SSD	K	V.C.	ELEVATION	SSD	K	V.C.	ELEVATION	SSD	K	V.C.	ELEVATION
634.17	634.30			382'	17	30.00'	634.51	382'	17	30.00'	634.54	382'	17	30.00'	634.57	382'	17	30.00'	634.61
634.33	634.46			382'	17	30.00'	634.51	382'	17	30.00'	634.54	382'	17	30.00'	634.57	382'	17	30.00'	634.61
634.17	633.93			382'	17	30.00'	634.51	382'	17	30.00'	634.54	382'	17	30.00'	634.57	382'	17	30.00'	634.61
634.05	634.01			382'	17	30.00'	634.51	382'	17	30.00'	634.54	382'	17	30.00'	634.57	382'	17	30.00'	634.61
634.53	634.43			382'	17	30.00'	634.51	382'	17	30.00'	634.54	382'	17	30.00'	634.57	382'	17	30.00'	634.61
634.54	634.51			382'	17	30.00'	634.51	382'	17	30.00'	634.54	382'	17	30.00'	634.57	382'	17	30.00'	634.61
634.65	634.64			382'	17	30.00'	634.51	382'	17	30.00'	634.54	382'	17	30.00'	634.57	382'	17	30.00'	634.61
634.77	634.84			382'	17	30.00'	634.51	382'	17	30.00'	634.54	382'	17	30.00'	634.57	382'	17	30.00'	634.61
634.58	634.64			382'	17	30.00'	634.51	382'	17	30.00'	634.54	382'	17	30.00'	634.57	382'	17	30.00'	634.61
634.52	634.42			382'	17	30.00'	634.51	382'	17	30.00'	634.54	382'	17	30.00'	634.57	382'	17	30.00'	634.61
634.42	634.20			382'	17	30.00'	634.51	382'	17	30.00'	634.54	382'	17	30.00'	634.57	382'	17	30.00'	634.61

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

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SCALES

PLAN AND PROFILE

SHEET 24 OF 24 SHEETS STA. 404+00 TO STA. 409+37

F.A.P. RTE. 334 SECTION 14-00221-00-BT COUNTY COOK TOTAL SHEETS 156 SHEET NO. 53
 CONTRACT NO. 61G57
 ILLINOIS FED. AID PROJECT

PLAN	SURVEYED	DATE
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PROFILE	SURVEYED	DATE
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	B.M. NOTED	
	STRUCTURE NOTATION CHK'D	

MAINTENANCE OF TRAFFIC GENERAL NOTES

- TRAFFIC CONTROL DEPICTED IN THESE PLANS AND THE APPLICABLE IDOT DETAILS AND STANDARDS ARE THE MINIMUM REQUIREMENTS. OTHER WORK OR SIGNING MAY BE REQUIRED BY THE ENGINEER. TRAFFIC CONTROL AND PROTECTION SHALL BE PERFORMED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS, DIVISION 700; APPLICABLE GUIDELINES IN THE ILLINOIS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS; AND APPLICABLE HIGHWAY STANDARDS FOR TRAFFIC CONTROL, UNLESS HEREIN REVISED.
- TEMPORARY LANE CLOSURES OF THE RIGHT EASTBOUND LANE, IF NEEDED, WILL BE ALLOWED DURING OFF-PEAK HOURS. LANE CLOSURES WILL NOT BE ALLOWED BETWEEN THE HOURS OF 6:00 AM - 8:30 AM AND 4:30 PM - 6:00 PM.
- THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS AND TRAFFIC CONTROL DEVICES SHALL FIT FIELD CONDITIONS AS DIRECTED BY THE ENGINEER.
- BARRICADES WILL BE REQUIRED ADJACENT TO PAVEMENT EDGES WHERE CURB AND GUTTER OR OVERLAYING WORK IS BEING DONE, AS SPECIFIED IN SECTION 701 OF THE STANDARD SPECIFICATIONS. SPACING SHALL BE AS SHOWN ON THE CONSTRUCTION STAGING PLANS UNLESS OTHERWISE DIRECTED BY THE ENGINEER. BARRICADES THAT MUST BE PLACED IN EXCAVATED AREAS SHALL HAVE LEG EXTENSIONS INSTALLED SUCH THAT THE TOPS OF THE BARRICADES ARE IN COMPLIANCE WITH THE HEIGHT REQUIREMENTS OF STANDARD 701901.
- BARRICADES SHALL BE PLACED AT 50' C-C ALONG TANGENTS, 10' C-C IN CURVES AND RADII, AND 20' C-C IN TAPERS.
- THE CONTRACTOR SHALL INFORM THE ENGINEER OF ANY STAGE CHANGE AT LEAST TWO WEEKS IN ADVANCE OF THE CHANGE.
- EXISTING TRAFFIC CONTROL SIGNS AND DEVICES SHALL BE REMOVED OR RELOCATED BY THE CONTRACTOR AFTER THE TRAFFIC CONTROL REQUIREMENTS ARE MET OR AS AUTHORIZED BY THE ENGINEER; ANY SIGNS OR DEVICES LEFT IN PLACE ARE TO BE PROTECTED FROM DAMAGE AND MAINTAINED. ANY DAMAGE CAUSED BY HIS/HER WORK SHALL BE REPAIRED TO THE SATISFACTION OF THE ENGINEER.
- THE FIRST TWO WARNING SIGNS IN EACH DIRECTION OF TRAVEL SHALL BE EQUIPPED WITH MONO-DIRECTIONAL AMBER FLASHING LIGHTS DURING HOURS OF DARKNESS.
- "WORKERS" SIGNS SHALL ONLY BE ERECTED WHEN WORKERS ARE PRESENT FOR MORE THAN ONE HOUR. SIGN MUST BE COVERED OR REMOVED WHEN NO WORKERS ARE PRESENT.
- EXISTING TRAFFIC CONTROL DEVICES ARE TO BE PROTECTED FROM DAMAGE BY THE CONTRACTOR. ANY DAMAGE CAUSED BY HIS/HER WORK SHALL BE REPAIRED TO THE SATISFACTION OF THE ENGINEER.
- PAVEMENT MARKING TAPE, TYPE IV SHALL BE USED ON ALL SURFACES OUTSIDE OF THE PROJECT LIMITS AND ON THE FINAL PAVEMENT SURFACE.
- CONTRACTOR SHALL ENSURE THAT ALL DROP-OFFS ARE LESS THAN 18 INCHES WITHIN 8 FEET OF THE EDGE OF THE NEAREST OPEN TRAFFIC LANE. IF DROP-OFFS ARE 18 INCHES OR GREATER THE TRENCH OR EXCAVATION MUST BE BACKFILLED.

ACCESS MAINTENANCE NOTES

MAINTAINING ACCESS TO DRIVEWAYS AND SIDE ROADS IS OF THE UTMOST IMPORTANCE TO THE CITY. ACCESS TO ALL PROPERTIES SHALL BE MAINTAINED AT ALL TIMES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SUB-STAGING THE CONSTRUCTION OF DRIVEWAYS AND SIDE ROADS. THE CONTRACTOR SHALL FOLLOW THESE PROCEDURES TO ENSURE PROPER ACCESS WHEN DIRECTED BY THE ENGINEER:

- THE CONTRACTOR SHALL WORK WITH ADJACENT BUSINESS OWNERS AND THE CITY TO DETERMINE DRIVEWAY RECONSTRUCTION SCHEDULING. ALL DRIVEWAY CLOSURES SHALL BE APPROVED BY THE ENGINEER.
- TEMPORARY DRIVES AND ROADS SHALL BE CONSTRUCTED USING 100% RECYCLED ASPHALT PAVEMENT. THE WIDTH OF THE DRIVE SHALL BE DETERMINED BY THE ENGINEER. THE CONTRACTOR SHALL NOTE THAT THE TEMPORARY DRIVEWAY WIDTH MAY EXCEED THE WIDTH OF THE EXISTING DRIVEWAY.

THE COST OF PLACING, MAINTAINING AND REMOVING TEMPORARY DRIVES SHALL BE INCLUDED IN THE COST OF "TEMPORARY ACCESS (COMMERCIAL ENTRANCE)".
- A 4" PVC DRAIN SHALL BE PLACED UNDER TEMPORARY DRIVES TO PROVIDE POSITIVE DRAINAGE WHEN THE ROADWAY IS EXCAVATED. THE COST OF THIS WORK SHALL BE INCLUDED IN THE COST OF "DRIVEWAY PAVEMENT REMOVAL".

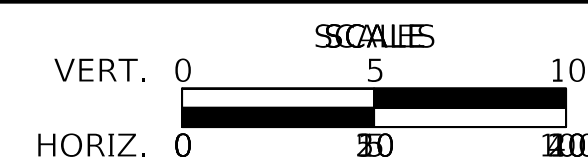
SIDEWALK MAINTENANCE NOTES

- THE SIDEWALK ON ONE SIDE OF THE STREET MUST REMAIN OPEN AND ACCESSIBLE AT ALL TIMES OR A TEMPORARY AGGREGATE SIDEWALK SHALL BE PROVIDED. TEMPORARY SIDEWALK SHALL BE PAID FOR AS "AGGREGATE FOR TEMPORARY ACCESS." UTILITY RELOCATIONS SHALL BE COORDINATED WITH THE ENGINEER AND CONTRACTOR TO ENSURE ONE SIDEWALK OR A TEMPORARY SIDEWALK REMAINS OPEN. SIGNING DIRECTING PEDESTRIANS TO THE OPEN SIDEWALK SHALL BE IN ACCORDANCE WITH IDOT HIGHWAY STANDARD 701801. TEMPORARY AGGREGATE REQUIRED TO MAINTAIN PEDESTRIAN ACCESS ACROSS THROUGHOUT THE WORKZONE SHALL BE PAID FOR AS "AGGREGATE FOR TEMPORARY ACCESS".

LIGHTING MAINTENANCE NOTES

- THERE IS NOT TEMPORARY LIGHTING FOR THIS PROJECT. THE EXISTING LIGHTING SYSTEM MUST REMAIN OPERATIONAL AT ALL TIMES. THE RELOCATED POLES SHALL BE COMPLETED BEFORE AND/OR DURING CONSTRUCTION OF THE SIDEWALK.

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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	14-00221-00-BT	COOK	156	54
CONTRACT NO. 61G57			ILLINOIS FED. AID PROJECT	

SOIL EROSION & SEDIMENT CONTROL GENERAL NOTES

THE FOLLOWING EROSION AND SEDIMENT CONTROL NOTES APPLY TO BEST MANAGEMENT PRACTICES DURING ALL PHASES OF CONSTRUCTION AS DIRECTED BY THE RESIDENT ENGINEER.

ADDITIONAL NOTES MAY BE FOUND ON THE SOIL EROSION AND SEDIMENT CONTROL PLANS.

FOR ALL PROJECTS THE ENGINEER WILL INSPECT ALL TEMPORARY AND PERMANENT EROSION CONTROL STRUCTURES WEEKLY AND AFTER EACH 1/2 INCH OR MORE RAINSTORM EVENT AND INFORM AND DIRECT THE CONTRACTOR TO REPAIR / REPLACE ALL EROSION CONTROL MATERIALS / STRUCTURES PROMPTLY AS NEEDED.

ONCE CONSTRUCTION IN A DISTURBED AREA HAS BEEN COMPLETED, PERMANENT STABILIZATION MEASURES WILL BE IMPLEMENTED WITHIN SEVEN DAYS.

ALL ADJACENT STREETS MUST BE KEPT CLEAR OF DEBRIS, INSPECTED DAILY, AND CLEANED WHEN NECESSARY.

FOR PROJECTS DISTURBING ONE ACRE OR MORE OF SOIL, THE SOIL AND WATER CONSERVATION DISTRICT MUST BE NOTIFIED ONE WEEK PRIOR TO THE PRE-CONSTRUCTION CONFERENCE, ONE WEEK PRIOR TO THE COMMENCEMENT OF LAND DISTURBING ACTIVITIES AND ONE WEEK PRIOR TO FINAL INSPECTION PER NPDES REQUIREMENTS.

WHEN OPERATING UNDER AN ACOE PERMIT, A STAMPED AND SIGNED COPY OF THE APPROVED SOIL EROSION AND SEDIMENT CONTROL PLAN SHALL BE MAINTAINED ON THE SITE AT ALL TIMES AND BE PRESENTED WHEN REQUESTED BY THE SWCD, U.S. ARMY CORPS OF ENGINEERS OR ANY OTHER AUTHORIZED AGENCY.

TOPSOIL

SUITABLE TOPSOIL AS DESCRIBED IN SECTION 211 SHALL BE USED. ORGANIC CONTENT SHALL BE NOT LESS THAN 1.5% BY WEIGHT AND PH RANGE FROM 6.0-7.5.

IF TOPSOIL IS TO BE STOCKPILED AT THE SITE, A LOCATION SHALL BE SELECTED SO THAT IT WILL NOT ERODE, BLOCK DRAINAGE, OR INTERFERE WITH WORK ON THE SITE AND SHALL BE APPROVED BY THE ENGINEER. LOCATIONS SHALL BE DISCUSSED AND DETERMINED AT THE PRE-CONSTRUCTION CONFERENCE.

ALL STOCKPILES SHALL BE IMMEDIATELY PROTECTED WITH SILT FENCE/ PERIMETER BARRIER. TEMPORARY SEEDING OF STOCKPILES SHALL BE COMPLETED WITHIN 7 DAYS OF FORMATION OF STOCKPILE IF IT IS TO REMAIN UNDISTURBED FOR LONGER THAN 30 DAYS. PERMANENT SEEDING OF STOCKPILE SHALL BE COMPLETED WITHIN 7 DAYS OF FORMATION OF STOCKPILE IF IT IS TO REMAIN UNDISTURBED FOR MORE THAN 12 MONTHS.

ADDITIONAL TOPSOIL FROM OUTSIDE THE R.O.W. SHALL BE APPROVED BY THE ENGINEER PRIOR TO ITS USE PROVIDED THAT THE MATERIAL MEETS THE REQUIREMENTS DESCRIBED ABOVE FOR TOPSOIL.

TREE PROTECTION

THE CONTRACTOR SHALL USE EXTREME CAUTION NOT TO DISTURB ANY TREES WITHIN THE PARKWAY AREAS. ALL METHODS OF TREE PROTECTION SHALL BE APPROVED BY THE ENGINEER.

IF PROTECTIVE FENCE IS TO BE USED, THE FENCE SHALL BE LOCATED OUTSIDE THE DRIP LINE OF THE TREE TO BE SAVED AND IN NO CASE CLOSER THAN 5 FEET FROM THE TRUNK OF ANY TREE.

FENCE POSTS SHALL BE EITHER STANDARD MINIMUM CROSS SECTIONAL AREA OF 3.0 INCH STEEL POSTS OR WOOD POSTS.

THE FENCE MAY BE EITHER 40 INCH HIGH SNOW FENCE, 40 INCH PLASTIC WEB FENCING OR ANY OTHER MATERIAL AS APPROVED BY THE ENGINEER/INSPECTOR.

SODDING/ PERMANENT SEEDING

FERTILIZER NUTRIENTS SHALL BE APPLIED TO THE AREA ACCORDING TO THE IDOT STANDARD SPECIFICATIONS SECTION 250 FOR SEEDING AND SECTION 252 FOR SODDING.

PERMANENT SEEDING SHALL BE PLACED IN ACCORDANCE WITH SECTION 250.

SODDING SHALL BE PLACED IN ACCORDANCE WITH SECTION 252.

PRIOR TO SOD PLACEMENT, AREAS TO BE SODDED SHALL BE BROUGHT TO FINAL GRADE. ANY IRREGULARITIES IN SOIL SURFACE SHALL BE FILLED OR SHAPED TO PREVENT THE FORMATION OF DEPRESSIONS OR WATER POCKETS.

SOD SHALL BE HARVESTED, DELIVERED, AND INSTALLED WITHIN A PERIOD OF 48 HOURS.

AS SODDING OF DEFINED AREAS IS COMPLETED, SOD SHALL BE TAMPED OR ROLLED TO PROVIDE FIRM CONTACT BETWEEN ROOTS AND SOIL, FILL ANY GAPS BETWEEN EDGES OR ENDS OF SOD MATS WITH GOOD SOIL AND ROLL.

AFTER ROLLING IS COMPLETE SOD SHALL BE IRRIGATED AT THE RATE THAT DOES NOT RESULT IN RUNOFF. SUPPLEMENTAL WATERING HAS BEEN PROVIDED IN THE EVENT OF PERIODS EXCEEDING 80 DEGREES FAHRENHEIT OR SUBNORMAL RAINFALL.

TEMPORARY CONCRETE WASHOUT FACILITY

TEMPORARY CONCRETE WASHOUT FACILITIES SHALL BE MAINTAINED TO PROVIDE ADEQUATE HOLDING CAPACITY WITH A MINIMUM FREEBOARD OF 4 INCHES FOR ABOVE GRADE FACILITIES AND 12 INCHES FOR BELOW GRADE FACILITIES. MAINTAINING TEMPORARY CONCRETE WASHOUT FACILITIES SHALL INCLUDE REMOVING AND DISPOSING OF HARDENED CONCRETE OR SLURRY AND RETURNING THE FACILITIES TO A FUNCTIONAL CONDITION.

EXISTING FACILITIES MUST BE CLEANED OR NEW FACILITIES MUST BE CONSTRUCTED AND READY FOR USE ONCE THE WASHOUT IS TWO -THIRDS FULL.

TEMPORARY CONCRETE WASHOUT FACILITIES SHALL BE INSPECTED FOR DAMAGE (E.G. TEARS IN PLASTIC LINER, MISSING SAND BAGS, ETC.). DAMAGED FACILITIES SHALL BE REPAIRED PROMPTLY.

DEWATERING

DEWATERING MEASURES SHALL COMPLY WITH THE ILLINOIS URBAN MANUAL. DURING DEWATERING, ALL SEDIMENT-LADEN WATER MUST BE FILTERED TO REMOVE SEDIMENT. POSSIBLE OPTIONS FOR SEDIMENT REMOVAL INCLUDE BAFFLE SYSTEMS, ANIONIC POLYMERS SYSTEMS, DEWATERING BAGS, OR OTHER APPROPRIATE METHODS. WATER SHALL HAVE SEDIMENT REMOVED PRIOR TO BEING DISCHARGED. A STABILIZED CONVEYANCE FROM THE DEWATERING DEVICE MUST BE PROVIDED. DISCHARGE WATER IS CONSIDERED CLEAN IF IT DOES NOT RESULT IN A VISUALLY IDENTIFIABLE DEGRADATION OF WATER CLARITY.

PERIMETER EROSION BARRIER/ SILT FENCE

PERIMETER EROSION BARRIER/ SILT FENCE SHALL BE INSTALLED AND FUNCTIONING PROPERLY PRIOR TO ANY EARTHWORK ACTIVITIES IN THE AREA TO BE PROTECTED. THEY SHALL BE MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD AND REMOVED IN CONJUNCTION WITH THE FINAL GRADING AND SITE STABILIZATION.

FABRIC FILTER MATERIAL SHALL MEET THE REQUIREMENTS OF SECTION 1080.02 MATERIAL STANDARD.

TEMPORARY DITCH CHECKS

DITCH CHECKS SHOULD BE PLACED AS SHOWN ON THE PLANS AND INSTALLED IN ACCORDANCE WITH THE ILLINOIS URBAN MANUAL. ROLLED EXCELSIOR, TRIANGULAR GEOTEXTILE, OR STONE AGGREGATE MAY BE USED AS TEMPORARY DITCH CHECKS.

FOR STONE AGGREGATE DITCH CHECKS, FABRIC MATERIAL SHALL BE PLACED OVER THE CLEARED AREA PRIOR TO PLACING THE ROCK AND SHALL MEET THE REQUIREMENTS OF SECTION 1080.02.

FOR ADDED STABILITY, THE BASE OF ALL DITCH CHECKS MAY BE KEYED 6 INCHES INTO THE SOIL.

STRAW BALES SHALL NOT BE USED AS TEMPORARY DITCH CHECKS IN COOK COUNTY PER SOIL WATER CONSERVATION DISTRICT REQUIREMENTS.

THE UNIT PRICE FOR TEMPORARY DITCH CHECKS INCLUDES THE COST OF REPLACEMENT DITCH CHECKS. WHEN A REPLACEMENT DITCH CHECK IS NEEDED AT ANY LOCATION CALLED FOR ON THE PLAN IT WILL NOT BE PAID FOR SEPARATELY.

THE BEST MANAGEMENT PRACTICES ARE TEMPORARY AND SHALL BE REMOVED WHEN THEY ARE NO LONGER REQUIRED OR WHEN PERMANENT MEASURES ARE INSTALLED.

EROSION CONTROL BLANKET

A QUANTITY OF EROSION CONTROL BLANKET HAS BEEN PROVIDED AND SHALL BE USED TO PROTECT ALL AREAS WITH SLOPES EQUAL TO OR GREATER THAN 3H:1V AND IN CRITICAL AREAS (I.E. DETENTION BASIN PERIMETERS, STREAM BANKS, BERMS, ETC.) IMMEDIATELY UPON FINAL GRADING UNTIL STABILIZED WITH SODDING.

TYPE OF BLANKET SHALL BE APPROVED BY THE ENGINEER AND INSTALLED IN ACCORDANCE WITH THE ILLINOIS URBAN MANUAL. THE USE OF EROSION CONTROL BLANKET CONTAINING GREEN DYE IS NOT ACCEPTABLE PER SOIL AND WATER CONSERVATION DISTRICT REQUIREMENTS.

THE BLANKET WILL BE IN FIRM CONTACT WITH THE SOIL. IT SHALL BE ANCHORED PER MANUFACTURER'S RECOMMENDATION WITH THE PROPER NUMBER AND SPACING OF WIRE STAPLES WHOSE LENGTH AND HEIGHT MEET MANUFACTURER'S RECOMMENDATION.

EROSION CONTROL BLANKET SHALL BE LOOSELY PLACED OVER GROUND SURFACE AND STAPLED. DO NOT STRETCH MATERIAL.

THE BLANKET WILL BE UNROLLED UPSTREAM TO DOWNSTREAM PARALLEL TO THE DIRECTION OF FLOW IN THE CHANNEL AND PERPENDICULAR TO THE FLOW ON THE SLOPES. THE UPSTREAM END OF EACH BLANKET SHALL BE ANCHORED IN A MINIMUM 6 INCH ANCHOR TRENCH. THESE BLANKETS WHEN LAID SIDE BY SIDE SHALL OVERLAP A MINIMUM OF 4 INCHES. BLANKETS SHALL OVERLAP 12 INCHES AT THE DOWNSTREAM ENDS.

INLET AND PIPE PROTECTION / INLET FILTERS

INLET AND PIPE PROTECTION AND INLET FILTERS SHALL BE INSTALLED AND FUNCTIONING PROPERLY PRIOR TO ANY EARTHWORK ACTIVITIES IN THE AREA TO BE PROTECTED. THEY SHALL BE MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD AND REMOVED IN CONJUNCTION WITH THE FINAL SITE STABILIZATION.

INLET FILTERS SHALL BE USED FOR ALL CATCH BASINS AS SHOWN ON THE PLANS AND AT ANY LOCATION DEEMED NECESSARY BY THE ENGINEER.

FABRIC DROP/SILT FENCE INLET PROTECTION SHALL BE USED FOR UPSTREAM FLARED END SECTIONS AND SHALL CONFORM TO THE CURRENT IDOT HIGHWAY STANDARDS FOR TEMPORARY EROSION CONTROL SYSTEMS EXCEPT STRAW BALES SHALL NOT BE USED.

THE STAKES SHOULD BE SPACED EVENLY AROUND THE PERIMETER OF THE INLET A MINIMUM OF 3 FEET APART, AND SECURELY DRIVEN INTO THE GROUND APPROXIMATELY 18 INCHES DEEP.

THE SILT FENCE SHOULD BE BACK FILLED WITH CRUSHED STONE OR COMPACTED SOIL AS SHOWN ON THE DETAIL FOR SILT FENCE.

SEDIMENT SHOULD BE REMOVED WHEN IT HAS ACCUMULATED TO ONE HALF THE HEIGHT OF THE INLET FILTER, INLET PIPE PROTECTION, OR DITCH CHECK AND WILL BE PAID FOR AS EARTH EXCAVATION FOR EROSION CONTROL.

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NPDES STATEMENT:

THIS PROJECT DISTURBS 7.92 ACRES OF TOTAL LAND AREA. COMPLIANCE WITH THE NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM (NPDES) STORMWATER PERMIT IS ONLY NECESSARY IF A PROJECT DISTURBS 1.0 OR MORE ACRES OF TOTAL LAND AREA; AN NPDES STORMWATER PERMIT IS REQUIRED FOR THIS PROJECT.

TYPICAL CONSTRUCTION SEQUENCE

- INSTALLATION OF SOIL EROSION AND SEDIMENT CONTROL SE/SC MEASURES
 - SELECTIVE VEGETATION REMOVAL FOR SILT FENCE INSTALLATION
 - SILT FENCE INSTALLATION
 - CONSTRUCTION FENCING AROUND AREAS NOT TO BE DISTURBED
 - STABILIZED CONSTRUCTION ENTRANCE
- TREE REMOVAL WHERE NECESSARY (CLEAR & GRUB)
- CONSTRUCT SEDIMENT TRAPPING DEVICES (SEDIMENT TRAPS, BASINS...)
- STRIP TOPSOIL, STOCKPILE TOPSOIL AND GRADE SITE
- TEMPORARILY STABILIZE TOPSOIL STOCKPILES (SEED AND SILT FENCE AROUND TOE OF SLOPE)
- INSTALL STORM SEWER, SANITARY SEWER, WATER AND ASSOCIATED INLET & OUTLET PROTECTION
- PERMANENTLY STABILIZE DETENTION BASINS WITH SEED AND EROSION CONTROL BLANKET
- TEMPORARILY STABILIZE ALL AREAS INCLUDING LOTS THAT HAVE REACHED TEMPORARY GRADE
- INSTALL ROADWAYS
- PERMANENTLY STABILIZE ALL OUTLOT AREAS
- INSTALL STRUCTURES AND GRADE INDIVIDUAL LOTS
- PERMANENTLY STABILIZE LOTS
- REMOVE ALL TEMPORARY SE/SC MEASURES AFTER THE SITE IS STABILIZED WITH VEGETATION

* SOIL EROSION AND SEDIMENT CONTROL MAINTENANCE MUST OCCUR EVERY TWO WEEKS AND AFTER EVERY 1/2" OR GREATER RAINFALL EVENT

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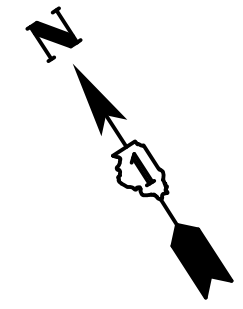
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STATE OF ILLINOIS
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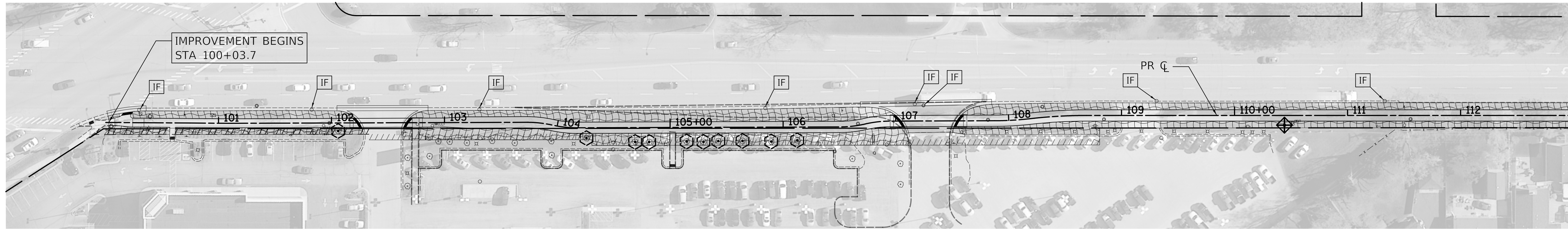
EROSION CONTROL AND LANDSCAPING
GENERAL NOTES

SHEET 1 OF 1 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	14-00221-00-BT	COOK	156	55
CONTRACT NO. 61G57				
ILLINOIS		FED. AID PROJECT		



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MATCH LINE STA. 113+00
(SEE BELOW)

LEGEND

- SODDING
- TOPSOIL, EXCAVATION AND PLACEMENT (4")
- TEMPORARY EROSION CONTROL SEEDING
- MULCH, METHOD 2
- PERIMETER EROSION BARRIER
- ABOVE GRADE INLET PROTECTION (PAID FOR AS 16' PERIMETER EROSION BARRIER) (SEE STANDARD 280001)
- TEMPORARY DITCH CHECK
- INLET FILTER
- TEMPORARY FENCE, TREE TRUNK PROTECTION, TREE ROOT PRUNING, AND TREE PRUNING AS DIRECTED BY THE ENGINEER
- PROPOSED TREE
- EXISTING TREE TO REMAIN

NOTE: SEE DETAIL SHEETS 117 - 119 FOR EROSION CONTROL STANDARD DETAILS

BILL OF MATERIALS - PROPOSED TREES				
KEY	LATIN NAME	COMMON NAME	QTY	SIZE
ABS	AMELANCHIER X GRANDIFLORA 'AUTUMN BRILLIANCE'	AUTUMN BRILLIANCE SERVICE BERRY	4	2.5" BB
AH	CARPINUS CAROLINIANA	AMERICAN HORNBEAM	7	2.5" BB
PC	MALUS 'PRAIRIFIRE'	PRAIRIFIRE CRABAPPLE	4	2.5" BB
SP	SYRINGA PEKINENSIS	PEKING LILAC	5	2.5" BB

CODE NO.	BILL OF MATERIALS - EROSION CONTROL	UNIT	TOTAL
20101000	TEMPORARY FENCE	FOOT	440
20101100	TREE TRUNK PROTECTION	EACH	11
20101200	TREE ROOT PRUNING	EACH	11
20101300	TREE PRUNING (1 TO 10 INCH DIAMETER)	EACH	10
20101350	TREE PRUNING (OVER 10 INCH DIAMETER)	EACH	1
25100115	MULCH, METHOD 2	ACRE	2.90
25100630	EROSION CONTROL BLANKET	SQ YD	20
25200200	SUPPLEMENTAL WATERING	UNIT	43
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	291
28000305	TEMPORARY DITCH CHECKS	FOOT	48
28000400	PERIMETER EROSION BARRIER	FOOT	2,379
28000510	INLET FILTERS	EACH	74
XX006658	FLOCCULATION LOGS	EACH	80
XX006659	FLOCCULATION POWDER	POUND	20
XX006821	CONCRETE TRUCK WASHOUT	LSUM	1
Z0013797	STABILIZED CONSTRUCTION ENTRANCE	SQ YD	300

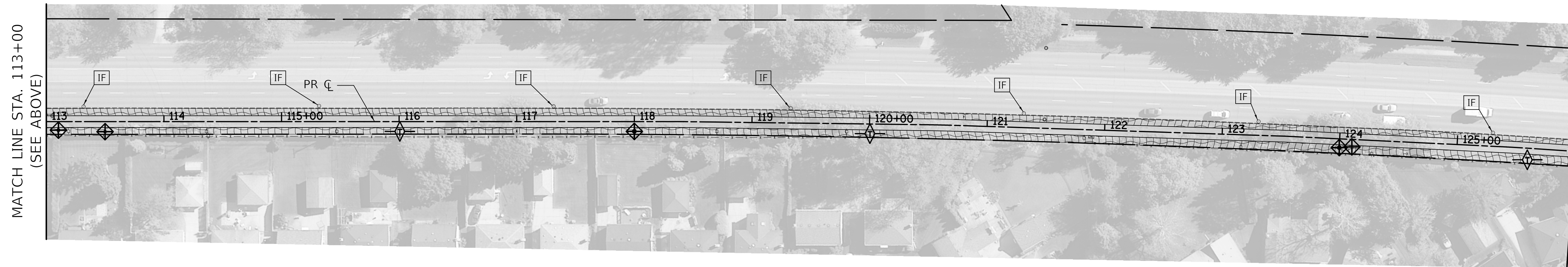
SEEDING / SODDING CHART

SEEDING	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
*TEMPORARY EROSION CONTROL SEEDING (100 LB /AC)			X	X	X	X	X	X	X	X	X	X
*SEEDING, CLASS 4B				X	X	X	X			X	X	X
*SODDING, SALT TOLERANT				X	X	X	X		X	X	X	X

X INDICATES WHEN SEED/SOD CAN BE PLACED

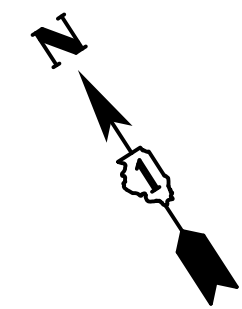
* SEE IDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION FOR INSTALLATION, SEEDING MIXTURES, AND APPLICATION REQUIREMENTS.

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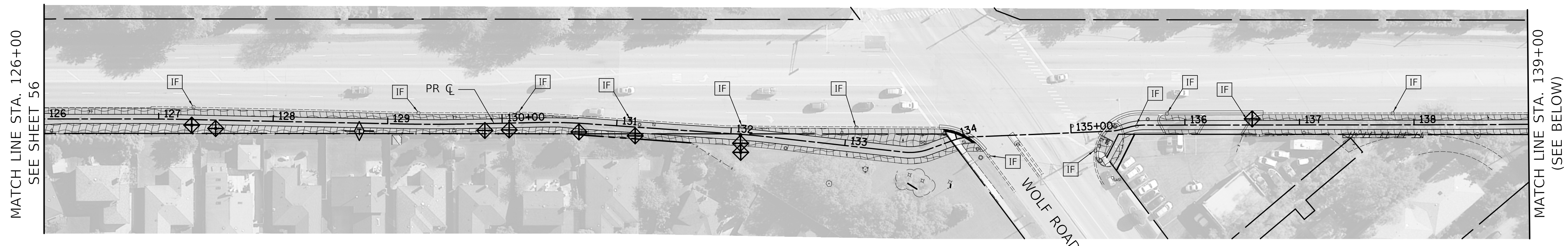
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MATCH LINE STA. 126+00
SEE SHEET 57







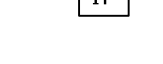






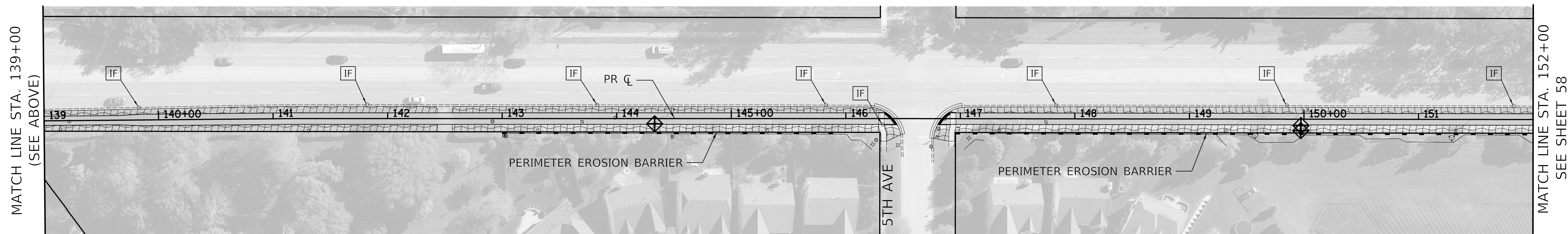
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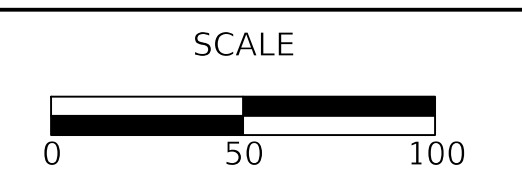
-  SODDING
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-  EXISTING TREE TO REMAIN



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EROSION CONTROL AND LANDSCAPING PLANS

SHEET 2 OF 5 SHEETS STA. 126+00 TO STA. 152+00





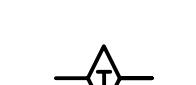
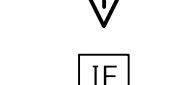
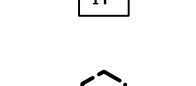




F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	14-00221-00-BT	COOK	156	57
CONTRACT NO. 61G57				
ILLINOIS FED. AID PROJECT				

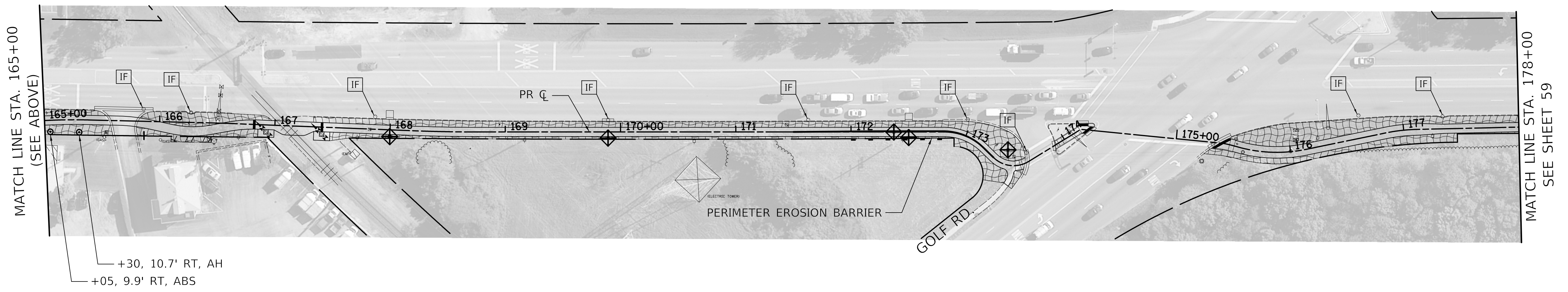
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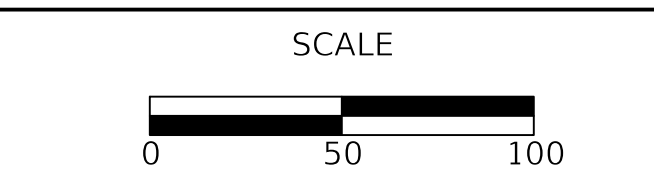
-  SODDING
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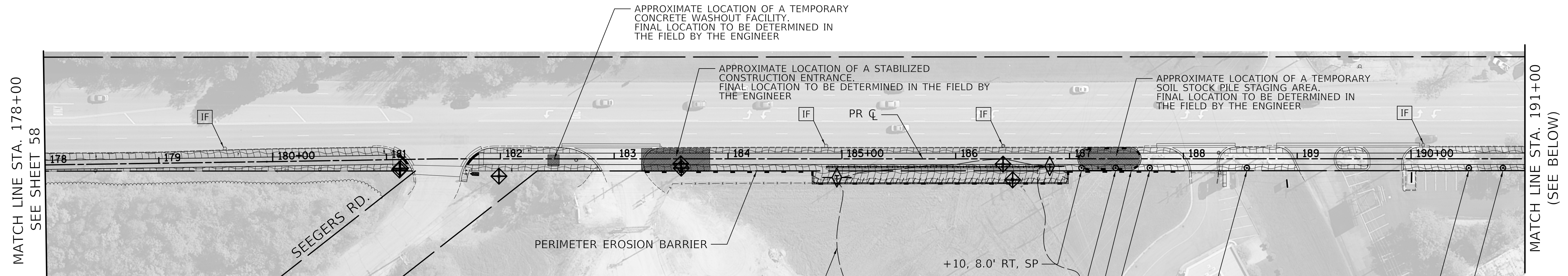
EROSION CONTROL AND LANDSCAPING PLANS

SHEET 3 OF 5 SHEETS STA. 152+00 TO STA. 178+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	14-00221-00-BT	COOK	156	58
				CONTRACT NO. 61G57
ILLINOIS FED. AID PROJECT				

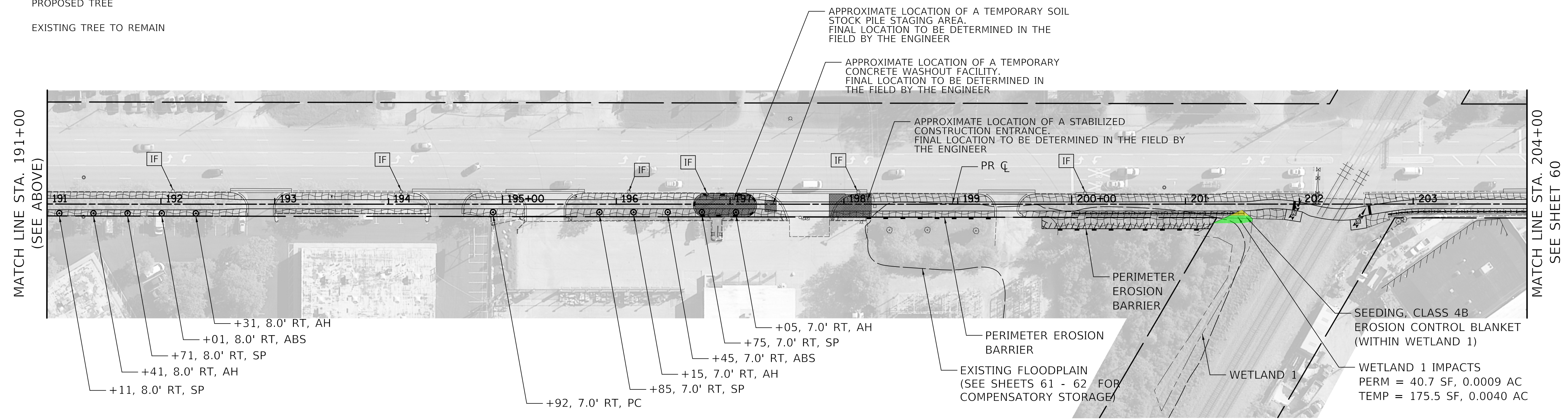
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RT. OF WAY CHECKED	
CADD FILE NAME	
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DATE	
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CHECKED	
B.M. NOTED	
STRUCTURE NOTATIONS	
NO.	



LEGEND

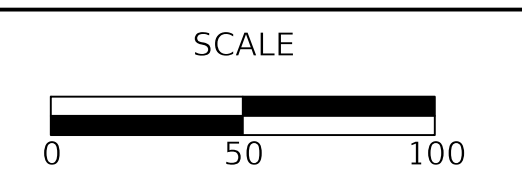
- SODDING
- TOPSOIL, EXCAVATION AND PLACEMENT (4")
- TEMPORARY EROSION CONTROL SEEDING
- MULCH, METHOD 2
- PERIMETER EROSION BARRIER
- ABOVE GRADE INLET PROTECTION (PAID FOR AS 16' PERIMETER EROSION BARRIER) (SEE STANDARD 280001)
- TEMPORARY DITCH CHECK
- INLET FILTER
- TEMPORARY FENCE, TREE TRUNK PROTECTION, TREE ROOT PRUNING, AND TREE PRUNING AS DIRECTED BY THE ENGINEER
- PROPOSED TREE
- EXISTING TREE TO REMAIN



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CHECKED -	KRK	REVISED -	
DATE -	12/28/2020	REVISED -	

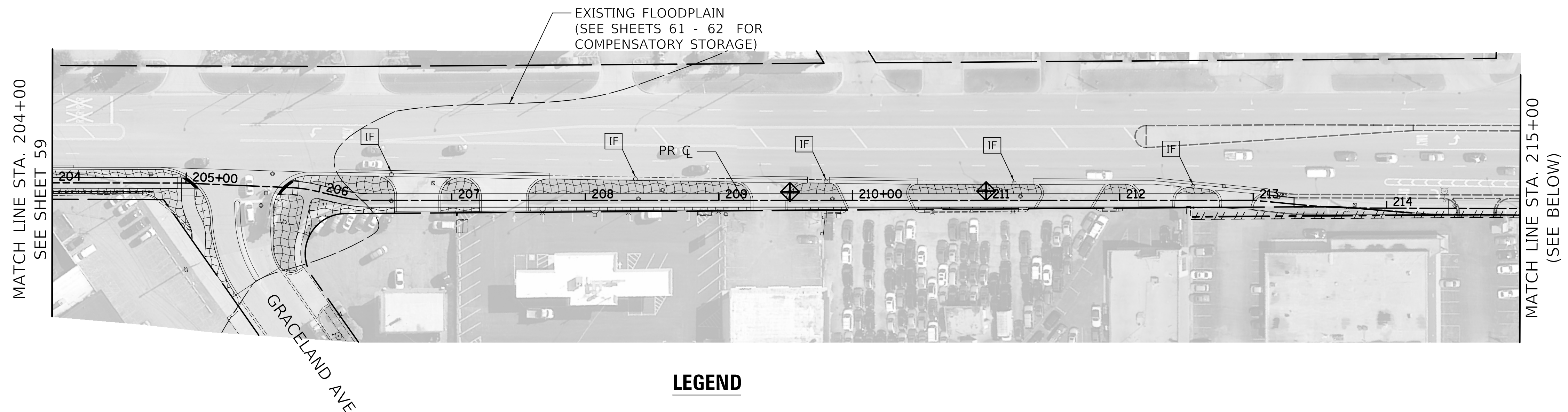
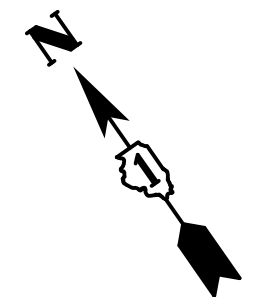
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**



EROSION CONTROL AND LANDSCAPING PLANS


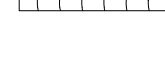









SHEET 4 OF 5 SHEETS STA. 178+00 TO STA. 204+00

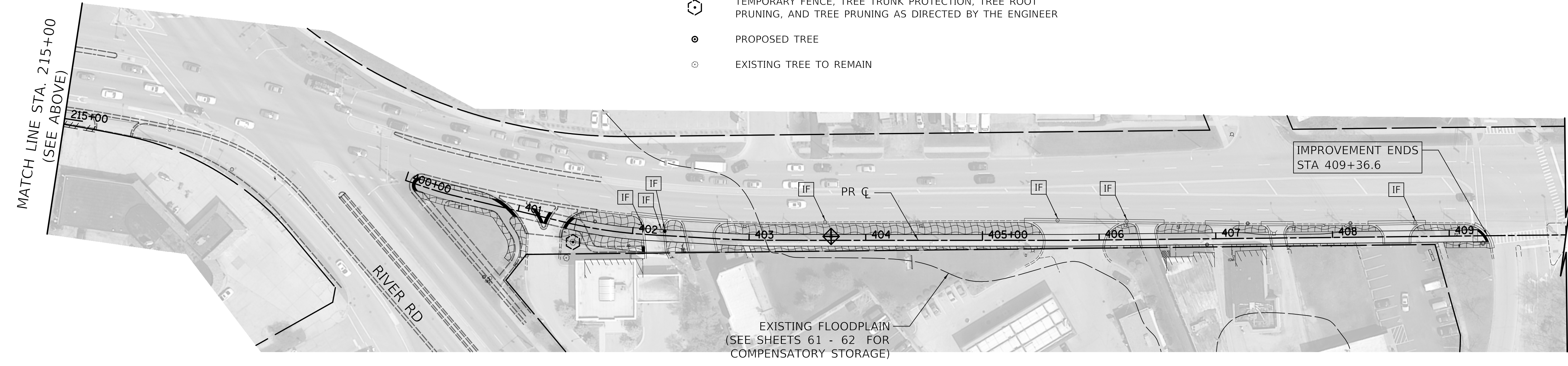
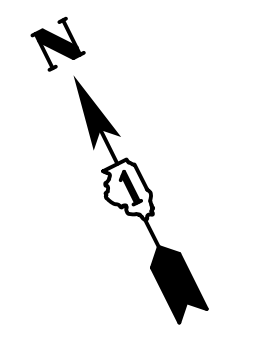
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	14-00221-00-BT	COOK	156	59
CONTRACT NO. 61G57				
ILLINOIS FED. AID PROJECT				



NOTE: A QUANTITY OF INLET FILTERS (2 EACH) HAS BEEN INCLUDED FOR PLACEMENT ON THE FIRST DOWNSTREAM SET OF CURBLINE STRUCTURES SOUTH ON GRACELAND AVENUE.

LEGEND

-  SODDING
-  TOPSOIL, EXCAVATION AND PLACEMENT (4")
-  TEMPORARY EROSION CONTROL SEEDING
-  MULCH, METHOD 2
-  PERIMETER EROSION BARRIER
-  ABOVE GRADE INLET PROTECTION
(PAID FOR AS 16' PERIMETER EROSION BARRIER)
(SEE STANDARD 280001)
-  TEMPORARY DITCH CHECK
-  INLET FILTER
-  TEMPORARY FENCE, TREE TRUNK PROTECTION, TREE ROOT PRUNING, AND TREE PRUNING AS DIRECTED BY THE ENGINEER
-  PROPOSED TREE
-  EXISTING TREE TO REMAIN



PLAN	SURVEYED	DATE
	PLOTTED	
	CHECKED	
	BY	
	NOTE BOOK NO.	
	CADD FILE NAME	

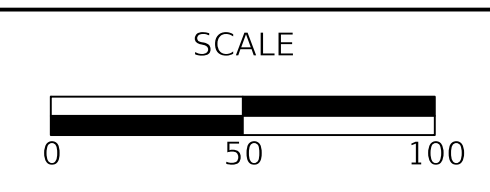
PROFILE	SURVEYED	DATE
	PLOTTED	
	CHECKED	
	BY	
	NOTE BOOK NO.	
	STRUCTURE NOTATION CHKD	



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DATE -	12/28/2020	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



EROSION CONTROL AND LANDSCAPING PLANS

SHEET 5 OF 5 SHEETS STA. 204+00 TO STA. 410+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	14-00221-00-BT	COOK	156	60
				CONTRACT NO. 61G57
ILLINOIS FED. AID PROJECT				

DATE: _____
 BY: _____
 SURVEYED _____
 PLOTTED _____
 PRINTED _____
 RT. OF WAY CHECKED _____
 NOTE BOOK _____
 NO. _____
 CADD FILE NAME _____

DATE: _____
 BY: _____
 SURVEYED _____
 PLOTTED _____
 PRINTED _____
 B.M. NOTED _____
 STRUCTURE NOTATION CHK'D _____
 NOTE BOOK _____
 NO. _____

Floodplain Compensatory Storage (0 to 10 Year)													
A = CUT			B = FILL			C =			PLANIMETER MULTIPLICATION FACTOR = 0.5				
STA.	PLANIMETER READING			END AREAS (SQ. FT.)			AVG. END AREAS (SQ. FT.)			DIST. (FT)	VOLUME (CU. YD.)		
	A	B	C	A	B	C	A	B	C		A	B	C
185+00	-	-		0.0	0.0	0.0							
185+50	-	-		0.0	0.0	0.0	0.0	0.0	0		0.0	0.0	0.00
186+00	-	-		0.0	0.0	0.0	0.0	0.0	0		0.0	0.0	0.00
186+50	-	-		0.0	0.0	0.0	0.0	0.0	0		0.0	0.0	0.00
198+50	-	-		0.0	0.0	0.0	0.0	0.0	0		0.0	0.0	0.00
199+00	-	-		0.0	0.0	0.0	0.0	0.0	0		0.0	0.0	0.00
199+44	-	-											
199+50	-	-		0.0	0.0	0.0	0.0	0.0	0		0.0	0.0	0.00
200+00	-	-		0.0	0.0	0.0	0.0	0.0	0		0.0	0.0	0.00
200+50	-	-		0.0	0.0	0.0	0.0	0.0	0		0.0	0.0	0.00
201+00	-	-		0.0	0.0	0.0	0.0	0.0	0		0.0	0.0	0.00
201+50	-	-											
206+00	-	-		0.0	0.0	0.0	0.0	0.0	0		0.0	0.0	0.00
206+50	-	-		0.0	0.0	0.0	0.0	0.0	0		0.0	0.0	0.00
206+75	-	-		0.0	0.0	0.0	0.0	0.0	0		0.0	0.0	0.00
207+00	-	-		0.0	0.0	0.0	0.0	0.0	0		0.0	0.0	0.00
207+39	-	-		0.0	0.0	0.0	0.0	0.0	0		0.0	0.0	0.00
207+50	-	-		0.0	0.0	0.0	0.0	0.0	0		0.0	0.0	0.00
208+00	-	-		0.0	0.0	0.0	0.0	0.0	0		0.0	0.0	0.00
208+50	-	-		0.0	0.0	0.0	0.0	0.0	0		0.0	0.0	0.00
209+00	-	-		0.0	0.0	0.0	0.0	0.0	0		0.0	0.0	0.00
209+38	-	-		0.0	0.0	0.0	0.0	0.0	0		0.0	0.0	0.00
209+50	-	-		0.0	0.0	0.0	0.0	0.0	0		0.0	0.0	0.00
210+00	1.2482	0.1149		0.6	0.1	0.0	0.3	0.0	0		0.0	0.0	0.00
										50.0	0.6	0.1	
210+19	0.7254	0.0505		0.4	0.0	0.0	0.5	0.0	0		0.0	0.0	0.00
										18.7	0.3	0.0	
210+50	1.0605	0.8126		0.5	0.4	0.0	0.4	0.2	0		0.0	0.0	0.00

Floodplain Compensatory Storage (0 to 10 Year)													
A = CUT			B = FILL			C =			PLANIMETER MULTIPLICATION FACTOR = 0.5				
STA.	PLANIMETER READING			END AREAS (SQ. FT.)			AVG. END AREAS (SQ. FT.)			DIST. (FT)	VOLUME (CU. YD.)		
	A	B	C	A	B	C	A	B	C		A	B	C
										31.3	0.5	0.3	
211+00	1.9585	0.1565		1.0	0.1	0.0	0.8	0.2	0	50.0	1.4	0.4	0.00
211+50	0.0672	0.524		0.0	0.3	0.0	0.5	0.2	0	50.0	0.9	0.3	0.00
211+61	0.7143	0.2215		0.4	0.1	0.0	0.2	0.2	0	10.7	0.1	0.1	0.00
212+00	1.6619	0.2165		0.8	0.1	0.0	0.6	0.1	0	39.3	0.9	0.2	0.00
212+28	0.0506	0.5083		0.0	0.3	0.0	0.4	0.2	0	28.4	0.5	0.2	0.00
212+50	1.8262	-		0.9	0.0	0.0	0.5	0.1	0	21.6	0.4	0.1	0.00
212+88	0.4167	0.0555		0.2	0.0	0.0	0.6	0.0	0	37.8	0.8	0.0	0.00
213+00	0.458	-		0.2	0.0	0.0	0.2	0.0	0	12.2	0.1	0.0	0.00
213+50	2.3535	0.0537		1.2	0.0	0.0	0.7	0.0	0	50.0	1.3	0.0	0.00
214+00	0.7209	2.2414		0.4	1.1	0.0	0.8	0.6	0	50.0	1.4	1.1	0.00
214+50				0.0	0.0	0.0	0.2	0.6	0	50.0	0.3	1.0	0.00
400+00	-	-											
400+50	-	-											
401+00	-	-											
401+08	-	-											
401+36	-	-											
401+50	-	-											
402+00	-	-											
402+18	-	-											
402+50	-	-											
402+62	-	-											
403+00	-	-											
403+50	-	-											
404+00	-	-											
CUMULATIVE TOTAL											9.5	3.8	0.0



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**STATE OF ILLINOIS
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FLOODPLAIN COMPENSATORY STORAGE TABLE

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	14-00221-00-BT	COOK	156	61
CONTRACT NO. 61G57				
ILLINOIS FED. AID PROJECT				

SHEET 1 OF 2 SHEETS STA. TO STA.

DATE: _____
 BY: _____
 SURVEYED _____
 PLOTTED _____
 PRINTED _____
 RT. OF WAY CHECKED _____
 CADD FILE NAME _____

PLAN
 NOTE BOOK NO. _____

DATE: _____
 BY: _____
 SURVEYED _____
 PLOTTED _____
 B.M. NOTED _____
 STRUCTURE NOTATION CHK'D _____

PROFILE
 NOTE BOOK NO. _____

Floodplain Compensatory Storage (10 to 100 Year)													
A = CUT			B = FILL			PLANIMETER MULTIPLICATION FACTOR = 0.5							
STA.	PLANIMETER READING			END AREAS (SQ. FT.)			AVG. END AREAS (SQ. FT.)			DIST. (FT)	VOLUME (CU. YD.)		
	A	B	C	A	B	C	A	B	C		A	B	C
185+00	17.8828	-	0	8.9	0.0	0.0							
185+50	6.2793	0.2232		3.1	0.1	0.0	6.0	0.1	0	50.0	11.2	0.1	0.00
186+00	2.658	5.4236		1.3	2.7	0.0	2.2	1.4	0	50.0	4.1	2.6	0.00
186+50	13.3309	17.0657		6.7	8.5	0.0	4.0	5.6	0	50.0	7.4	10.4	0.00
198+50	11.5039	-		5.8	0.0	0.0							
199+00	4.4601	3.8412		2.2	1.9	0.0	4.0	1.0	0	50.0	7.4	1.8	0.00
199+44	-	3.9826		0.0	2.0	0.0	1.1	2.0	0	43.5	1.8	3.2	0.00
199+50	0.0215	3.9665		0.0	2.0	0.0	0.0	2.0	0	6.5	0.0	0.5	0.00
200+00	5.8236	1.6187		2.9	0.8	0.0	1.5	1.4	0	50.0	2.7	2.6	0.00
200+50	0.0461	16.5019		0.0	8.3	0.0	1.5	4.5	0	50.0	2.7	8.4	0.00
201+00	11.1416	-		5.6	0.0	0.0	2.8	4.1	0	50.0	5.2	7.6	0.00
201+50	-	-		0.0	0.0	0.0	2.8	0.0	0	50.0	5.2	0.0	0.00
206+00	0.6497	0.1127		0.3	0.1	0.0							
206+50	1.3565	2.5276		0.7	1.3	0.0	0.5	0.7	0	50.0	0.9	1.2	0.00
206+75	0.6081	1.1723		0.3	0.6	0.0	0.5	0.9	0	24.6	0.4	0.8	0.00
207+00	5.0716	0.3576		2.5	0.2	0.0	1.4	0.4	0	25.4	1.3	0.4	0.00
207+39	0.3541	0.4155		0.2	0.2	0.0	1.4	0.2	0	39.3	2.0	0.3	0.00
207+50	0.0002586	0.6985		0.0	0.3	0.0	0.1	0.3	0	10.7	0.0	0.1	0.00
208+00	0.5428	1.816		0.3	0.9	0.0	0.1	0.6	0	50.0	0.3	1.2	0.00
208+50	1.1212	-		0.6	0.0	0.0	0.4	0.5	0	50.0	0.8	0.8	0.00
209+00	0.14964	0.4385		0.1	0.2	0.0	0.3	0.1	0	50.0	0.6	0.2	0.00
209+38	0.7206	0.2444		0.4	0.1	0.0	0.2	0.2	0	38.4	0.3	0.2	0.00
209+50	0.6322	0.3491		0.3	0.2	0.0	0.3	0.1	0	11.6	0.1	0.1	0.00
210+00	0.0487	-		0.0	0.0	0.0	0.2	0.1	0	50.0	0.3	0.2	0.00
210+19	-	-		0.0	0.0	0.0	0.0	0.0	0	18.7	0.0	0.0	0.00
210+50	-	-		0.0	0.0	0.0	0.0	0.0	0				

Floodplain Compensatory Storage (10 to 100 Year)													
A = CUT			B = FILL			PLANIMETER MULTIPLICATION FACTOR = 0.5							
STA.	PLANIMETER READING			END AREAS (SQ. FT.)			AVG. END AREAS (SQ. FT.)			DIST. (FT)	VOLUME (CU. YD.)		
	A	B	C	A	B	C	A	B	C		A	B	C
211+00	-	-		0.0	0.0	0.0	0.0	0.0	0	31.3	0.0	0.0	0.00
211+50	-	-		0.0	0.0	0.0	0.0	0.0	0	50.0	0.0	0.0	0.00
211+61	-	-		0.0	0.0	0.0	0.0	0.0	0	50.0	0.0	0.0	0.00
212+00	-	-		0.0	0.0	0.0	0.0	0.0	0	10.7	0.0	0.0	0.00
212+28	-	-		0.0	0.0	0.0	0.0	0.0	0	39.3	0.0	0.0	0.00
212+50	-	-		0.0	0.0	0.0	0.0	0.0	0	28.4	0.0	0.0	0.00
212+88	-	-		0.0	0.0	0.0	0.0	0.0	0	21.6	0.0	0.0	0.00
213+00	-	-		0.0	0.0	0.0	0.0	0.0	0	37.8	0.0	0.0	0.00
213+50	-	-		0.0	0.0	0.0	0.0	0.0	0	12.2	0.0	0.0	0.00
214+00	-	-		0.0	0.0	0.0	0.0	0.0	0	50.0	0.0	0.0	0.00
214+50	-	-		0.0	0.0	0.0	0.0	0.0	0	50.0	0.0	0.0	0.00
400+00	5.8194	0.7904		2.9	0.4	0.0							
400+50	1.0239	3.9636		0.5	2.0	0.0	1.7	1.2	0	50.0	3.2	2.2	0.00
401+00	5.527	1.468		2.8	0.7	0.0	1.6	1.4	0	50.0	3.0	2.5	0.00
401+08	3.4608	2.9242		1.7	1.5	0.0	2.2	1.1	0	8.2	0.7	0.3	0.00
401+36	3.7784	5.9577		1.9	3.0	0.0	1.8	2.2	0	28.2	1.9	2.3	0.00
401+50	12.9083	-		6.5	0.0	0.0	4.2	1.5	0	13.6	2.1	0.8	0.00
402+00	6.4557	-		3.2	0.0	0.0	4.8	0.0	0	50.0	9.0	0.0	0.00
402+18	1.5651	3.2579		0.8	1.6	0.0	2.0	0.8	0	18.3	1.4	0.6	0.00
402+50	1.9793	0.0273		1.0	0.0	0.0	0.9	0.8	0	31.7	1.0	1.0	0.00
402+62	1.8282	0.2016		0.9	0.1	0.0	1.0	0.1	0	11.8	0.4	0.0	0.00
403+00	-	13.0045		0.0	6.5	0.0	0.5	3.3	0	38.2	0.6	4.7	0.00
403+50	0.0524	-		0.0	0.0	0.0	0.0	3.3	0	50.0	0.0	6.0	0.00
404+00	-	0.5919		0.0	0.3	0.0	0.0	0.1	0	50.0	0.0	0.3	0.00
CUMULATIVE TOTAL											78.1	63.3	0.0

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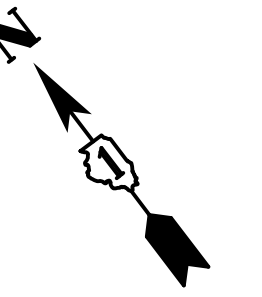
REVISED -
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

FLOODPLAIN COMPENSATORY STORAGE TABLE

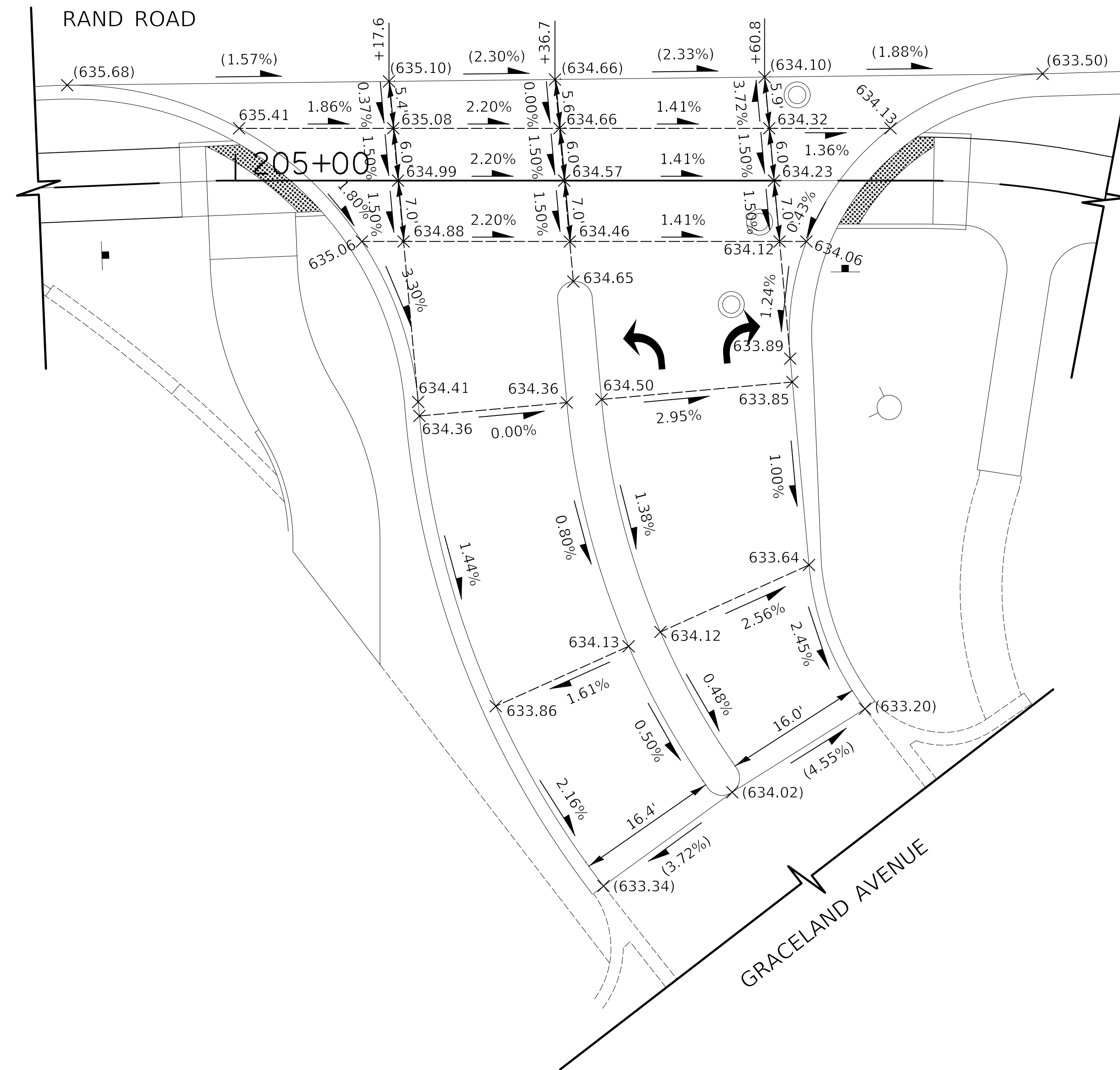
SHEET 2 OF 2 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	14-00221-00-BT	COOK	156	62
CONTRACT NO. 61G57				
ILLINOIS FED. AID PROJECT				



PLAN	SURVEYED	DATE
	PLOTTED	
	CHECKED	
	BY	
	DATE	
	NOTE BOOK NO.	
	CADD FILE NAME	

PROFILE	SURVEYED	DATE
	PLOTTED	
	CHECKED	
	BY	
	DATE	
	NOTE BOOK NO.	
	STRUCTURE NOTATION CHK'D	



LEGEND

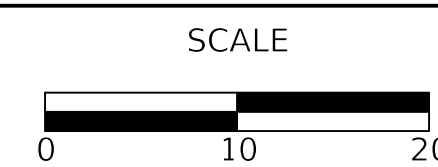
- GRADING LINE
- × (XXX.XX) EXISTING SPOT ELEVATION
- × XXX.XX PROPOSED SPOT ELEVATION
- (X.XX%) EXISTING SLOPE
- X.XX% PROPOSED SLOPE



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DRAWN -	BAS	REVISED -	
CHECKED -	KRK	REVISED -	
DATE -	12/28/2020	REVISED -	

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**



**INTERSECTION GRADING PLAN
 RAND ROAD & GRACELAND AVENUE**

SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	14-00221-00-BT	COOK	156	63
CONTRACT NO. 61G57				
ILLINOIS FED. AID PROJECT				

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

PROFILE	SURVEYED	DATE
	PLOTTED	
	CHECKED	
	BY	
	NO.	
	STRUCTURE NOTATION CHK'D	

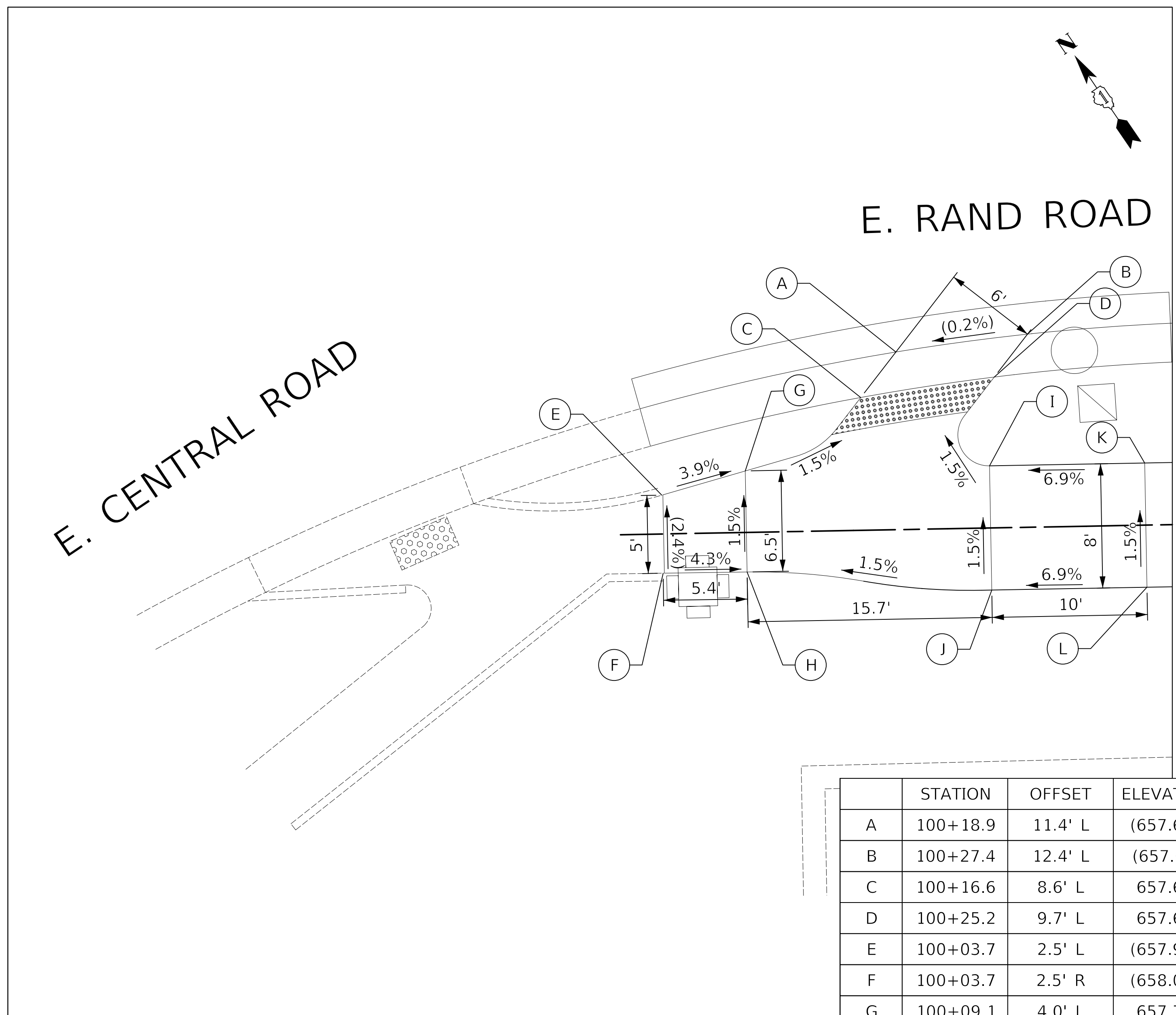


FIGURE 1

	STATION	OFFSET	ELEVATION
A	100+18.9	11.4' L	(657.62')
B	100+27.4	12.4' L	(657.64)
C	100+16.6	8.6' L	657.62'
D	100+25.2	9.7' L	657.64'
E	100+03.7	2.5' L	(657.97')
F	100+03.7	2.5' R	(658.09')
G	100+09.1	4.0' L	657.76'
H	100+09.1	2.5' R	657.86
I	100+24.8	4.0' L	657.75
J	100+24.8	4.0' R	657.87
K	100+34.8	4.0' L	658.44'
L	100+34.8	4.0' R	658.56'

Notes:

- 1.) THESE ADA DETAILS FOLLOW THE CURRENT BDE MANUAL AND ADA/PROWAG GUIDELINES FOR DESIGN REQUIREMENTS.
- 2.) FIGURE 1 FOLLOWS IDOT STANDARD 424001-09 FOR A PERPENDICULAR CURB RAMP.
- 3.) STATIONING REFERENCED FROM RAND ROAD SIDEPATH FACILITY.

LEGEND

(xx.xx') EXISTING LENGTH/ELEVATION

PROPOSED SIDE CURB

(%) EXISTING SLOPE

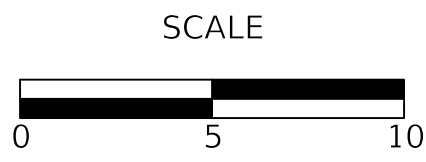
DETECTABLE WARNINGS



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CHECKED -	KRK	REVISED -	
DATE -	12/28/2020	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



RAND ROAD SIDEPATH
ADA GRADING PLAN - CENTRAL ROAD SOUTH CORNER

SHEET 1 OF 12 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	14-00221-00-BT	COOK	156	64
CONTRACT NO. 61G57				
ILLINOIS FED. AID PROJECT				

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

DATE	
BY	
SURVEYED	
PLOTTED	
CHECKED	
B.M. NOTED	
STRUCTURE NOTATION CHK'D	
PROFILE	
NOTE BOOK NO.	

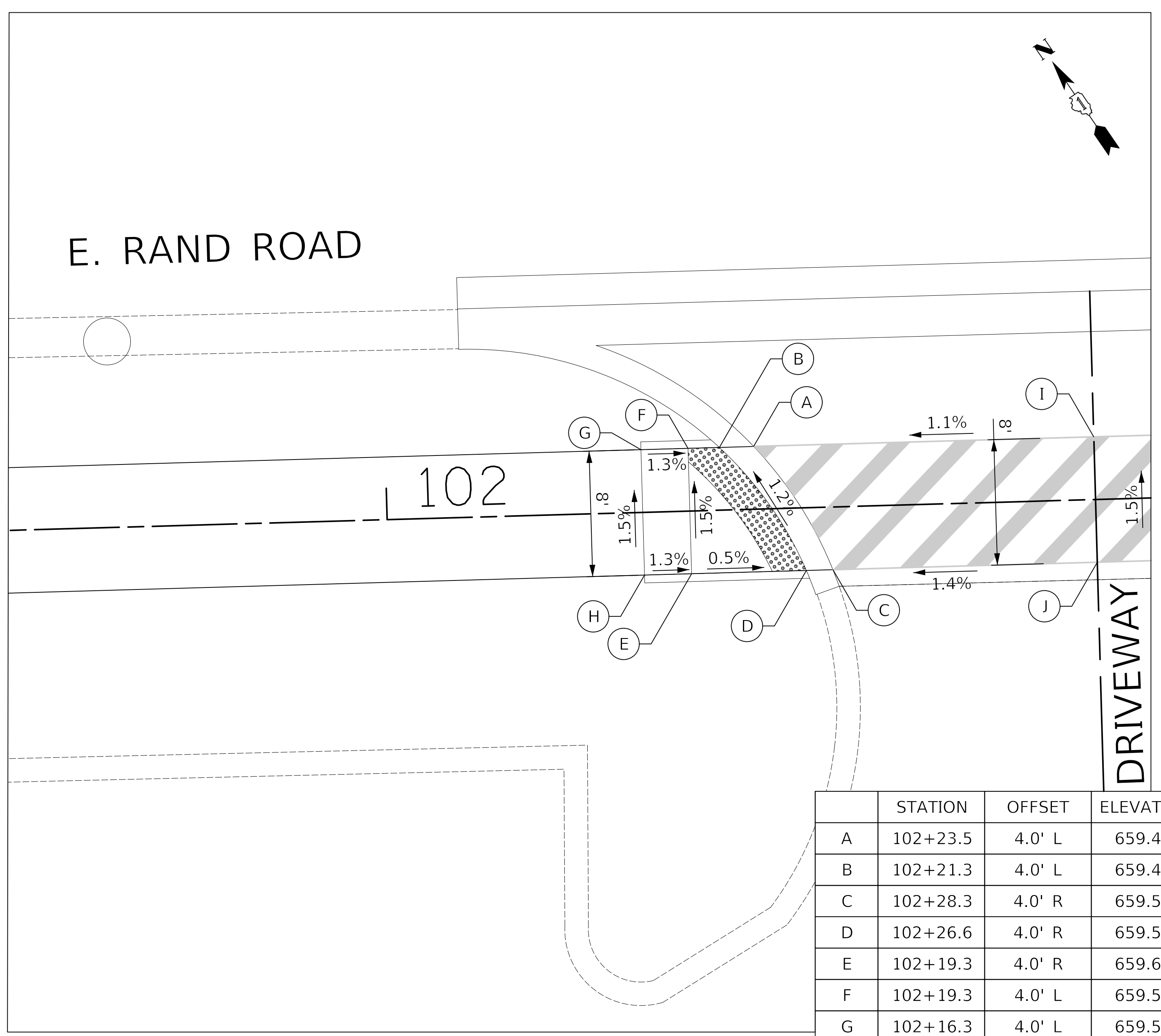


FIGURE 1

	STATION	OFFSET	ELEVATION
A	102+23.5	4.0' L	659.45'
B	102+21.3	4.0' L	659.47'
C	102+28.3	4.0' R	659.56'
D	102+26.6	4.0' R	659.58'
E	102+19.3	4.0' R	659.62'
F	102+19.3	4.0' L	659.50'
G	102+16.3	4.0' L	659.54'
H	102+16.3	4.0' R	659.66'
I	102+45.2	4.0' L	659.68'
J	102+45.2	4.0' R	659.80'

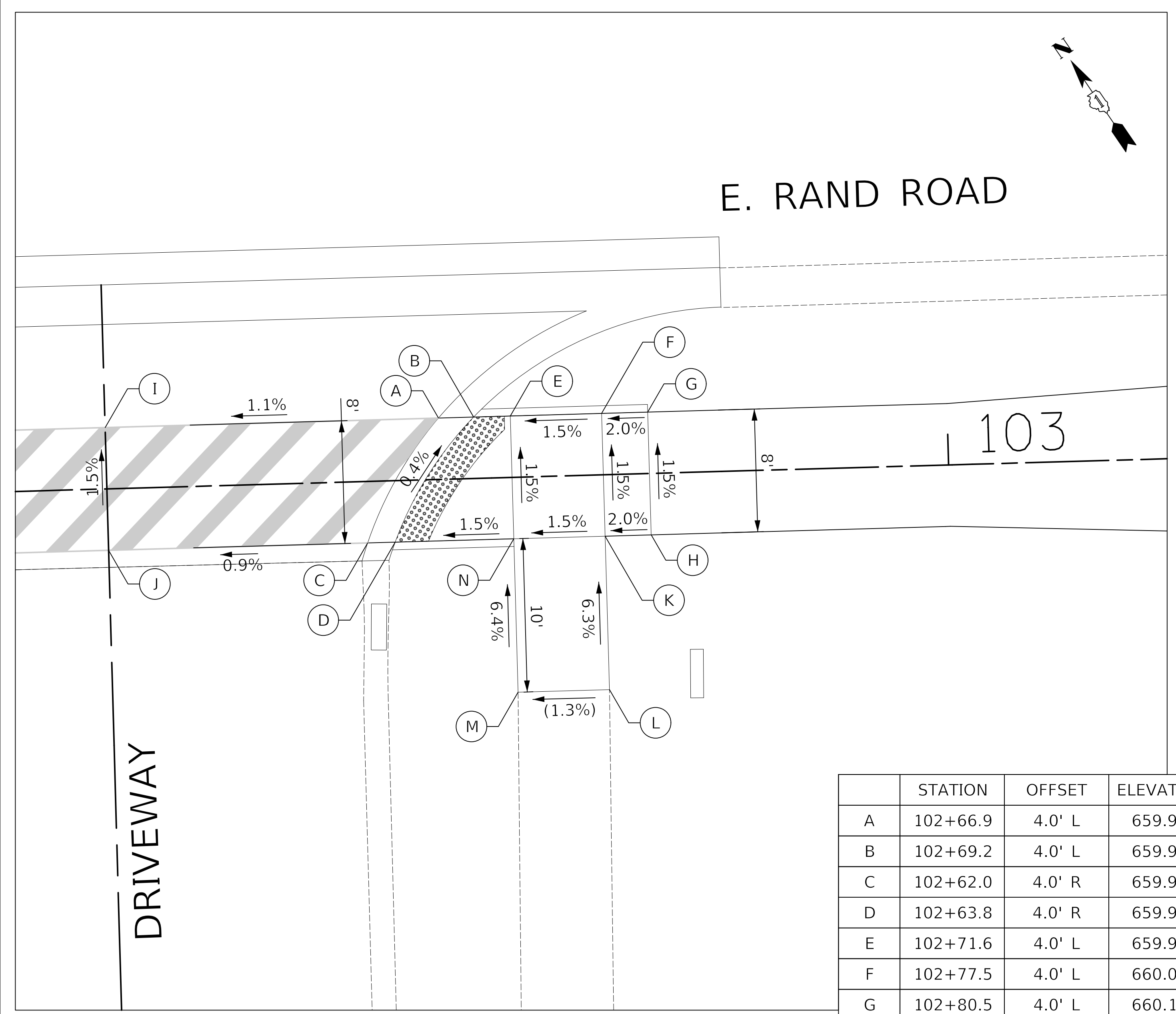


FIGURE 2

	STATION	OFFSET	ELEVATION
A	102+66.9	4.0' L	659.92'
B	102+69.2	4.0' L	659.94'
C	102+62.0	4.0' R	659.96'
D	102+63.8	4.0' R	659.98'
E	102+71.6	4.0' L	659.98'
F	102+77.5	4.0' L	660.07'
G	102+80.5	4.0' L	660.13'
H	102+80.5	4.0' R	660.25'
I	102+45.2	4.0' L	659.68'
J	102+45.2	4.0' R	659.80'
K	102+77.5	4.0' R	660.19'
L	102+77.5	14.0' R	(660.82')
M	102+71.6	14.0' R	(660.74')
N	102+71.6	4.0' R	660.10'

- Notes:
- 1.) THESE ADA DETAILS FOLLOW THE CURRENT BDE MANUAL AND ADA/PROWAG GUIDELINES FOR DESIGN REQUIREMENTS.
 - 2.) FIGURE 1 FOLLOWS IDOT STANDARD 424026-01 FOR A ENTRANCE / ALLEY PEDESTRIAN CROSSING CURB RAMP. FIGURE 2 FOLLOWS IDOT STANDARD 424026-01 FOR A ENTRANCE / ALLEY PEDESTRIAN CROSSING CURB RAMP.
 - 3.) STATIONING REFERENCED FROM RAND ROAD SIDEPATH FACILITY.

LEGEND

(xx.xx') EXISTING LENGTH/ELEVATION

PROPOSED SIDE CURB

(%) EXISTING SLOPE

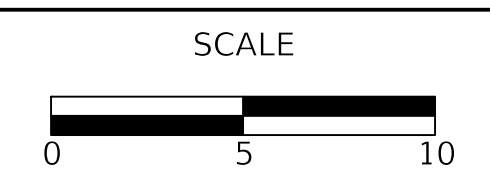
DETECTABLE WARNINGS



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



RAND ROAD SIDEPATH
ADA GRADING PLAN - DRIVEWAY STA. 102+46

SHEET 2 OF 12 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	14-00221-00-BT	COOK	156	65
CONTRACT NO. 61G57				
ILLINOIS FED. AID PROJECT				

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

PROFILE
 SURVEYED _____
 PLOTTED _____
 CHECKED _____
 B.M. NOTED _____
 STRUCTURE NOTATION CHK'D _____
 NO. _____

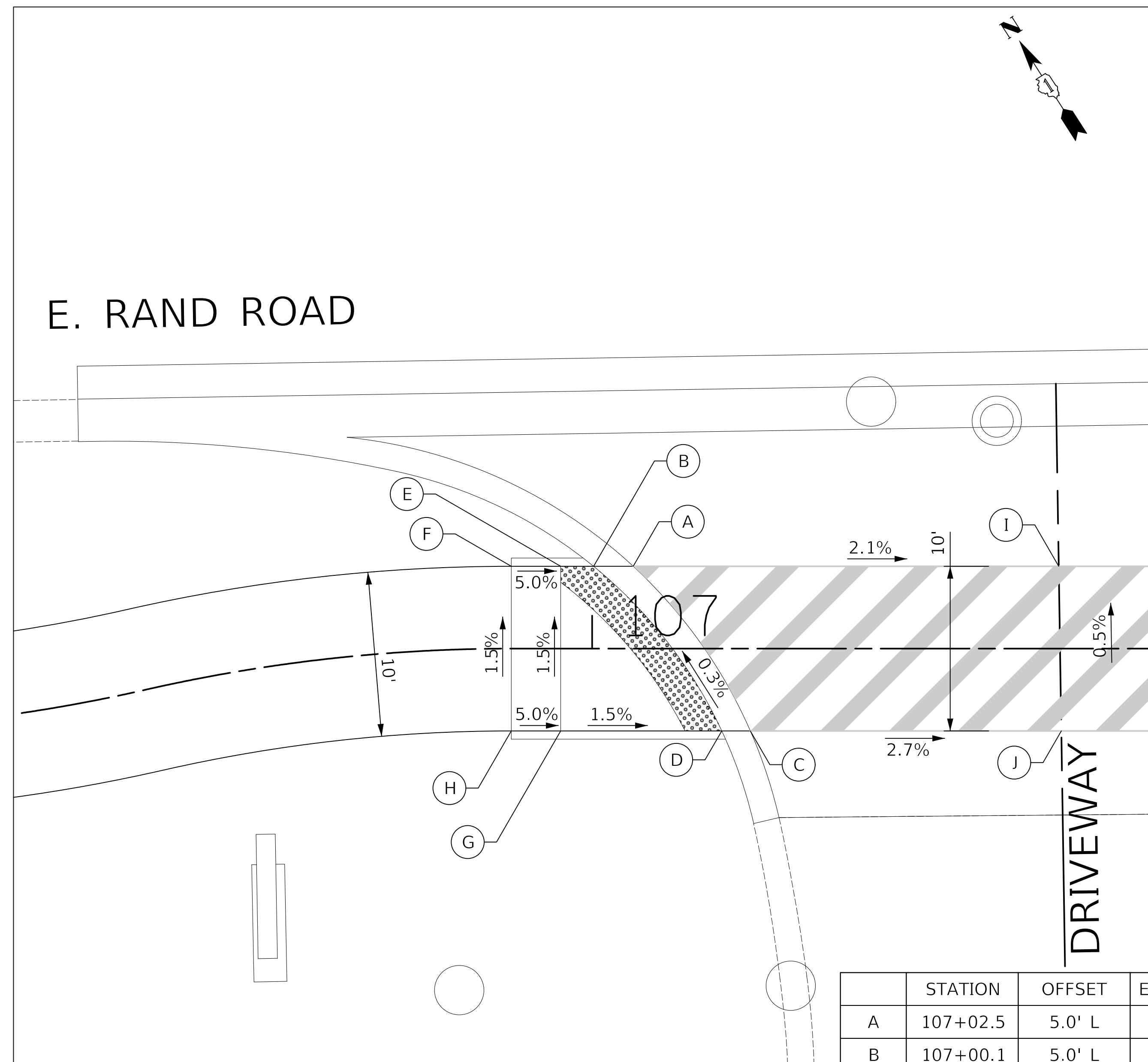


FIGURE 1

	STATION	OFFSET	ELEVATION
A	107+02.5	5.0' L	659.76'
B	107+00.1	5.0' L	659.78'
C	107+09.6	5.0' R	659.79'
D	107+07.9	5.0' R	659.81'
E	106+98.1	5.0' L	659.81'
F	106+95.1	5.0' L	659.96'
G	106+98.1	5.0' R	659.96'
H	106+95.1	5.0' R	660.11'
I	107+28.3	5.0' L	659.23'
J	107+28.5	5.0' R	659.28'

- Notes:
- 1.) THESE ADA DETAILS FOLLOW THE CURRENT BDE MANUAL AND ADA/PROWAG GUIDELINES FOR DESIGN REQUIREMENTS.
 - 2.) FIGURE 1 FOLLOWS IDOT STANDARD 424026-01 FOR A ENTRANCE / ALLEY PEDESTRIAN CROSSING CURB RAMP. FIGURE 2 FOLLOWS IDOT STANDARD 424026-01 FOR A ENTRANCE / ALLEY PEDESTRIAN CROSSING CURB RAMP.
 - 3.) STATIONING REFERENCED FROM RAND ROAD SIDEPATH FACILITY.

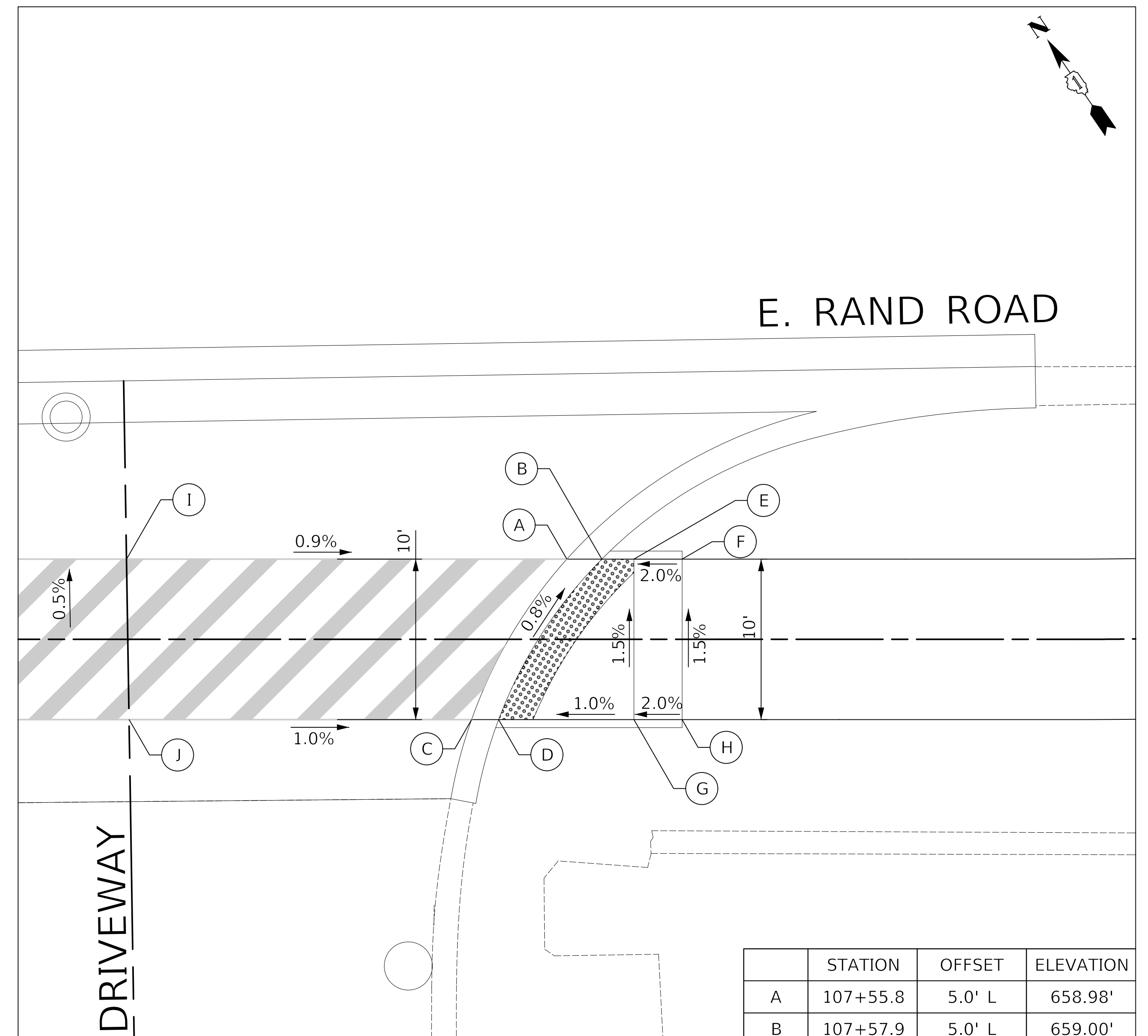


FIGURE 2

	STATION	OFFSET	ELEVATION
A	107+55.8	5.0' L	658.98'
B	107+57.9	5.0' L	659.00'
C	107+49.8	5.0' R	659.07'
D	107+51.5	5.0' R	659.09'
E	107+59.9	5.0' L	659.02'
F	107+62.9	5.0' L	659.07'
G	107+59.9	5.0' R	659.17'
H	107+62.9	5.0' R	659.22'
I	107+28.3	5.0' L	659.23'
J	107+28.5	5.0' R	659.28'

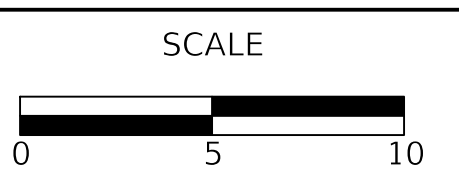
LEGEND

(xx.xx') EXISTING LENGTH/ELEVATION

— PROPOSED SIDE CURB

(%) EXISTING SLOPE

DETECTABLE WARNINGS



DATE: _____
 BY: _____
 SURVEYED: _____
 PLOTTED: _____
 CHECKED: _____
 RT. OF WAY CHECKED: _____
 NOTE BOOK NO.: _____
 CADD FILE NAME: _____

DATE: _____
 BY: _____
 SURVEYED: _____
 PLOTTED: _____
 CHECKED: _____
 S.M. NOTED: _____
 STRUCTURE NOTATIONS CHK'D: _____
 NOTE BOOK NO.: _____

E. RAND ROAD

N. WOLF ROAD

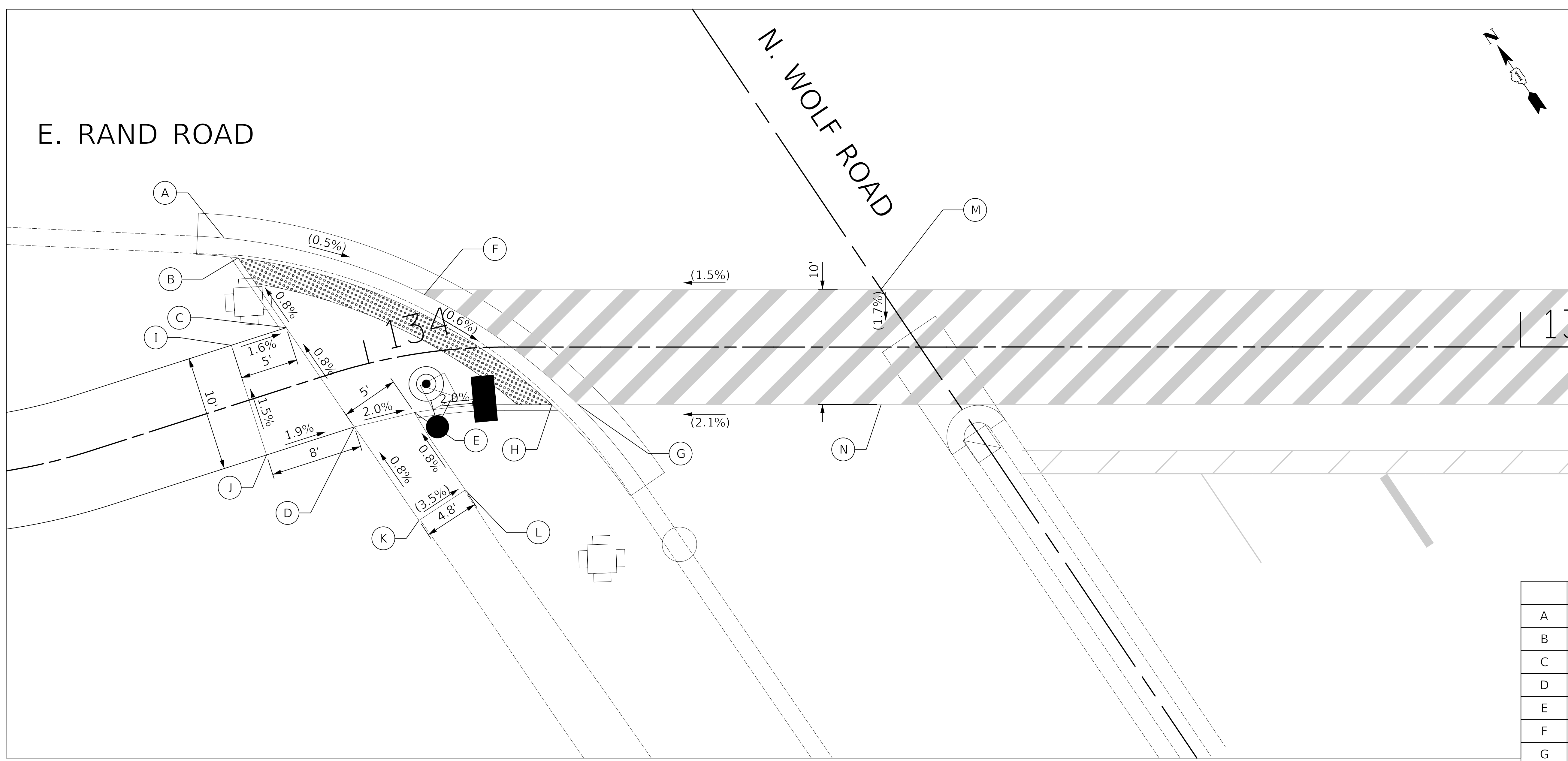


FIGURE 1

	STATION	OFFSET	ELEVATION
A	133+91.4	14.0' L	(656.18')
B	133+92.0	12.0' L	656.18'
C	133+94.1	5.0' L	656.24'
D	133+97.2	5.0' R	656.32'
E	134+03.2	5.0' R	656.22'
F	134+05.5	5.0' L	(656.09')
G	134+18.3	5.0' R	(655.98')
H	134+16.0	5.0' R	655.98'
I	133+89.1	5.0' L	656.32'
J	133+89.1	5.0' R	656.47'
K	134+01.4	14.3' R	(656.40')
L	134+07.4	12.3' R	(656.21')
M	134+44.5	5.0' L	(656.71')
N	134+44.5	5.0' R	(656.54')

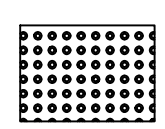
- Notes:
- 1.) THESE ADA DETAILS FOLLOW THE CURRENT BDE MANUAL AND ADA/PROWAG GUIDELINES FOR DESIGN REQUIREMENTS.
 - 2.) FIGURE 1 FOLLOWS IDOT STANDARD 424001-09 FOR A PERPENDICULAR CURB RAMP.
 - 3.) STATIONING REFERENCED FROM RAND ROAD SIDEPATH FACILITY.

LEGEND

(xx.xx') EXISTING LENGTH/ELEVATION

— PROPOSED SIDE CURB

(%) EXISTING SLOPE

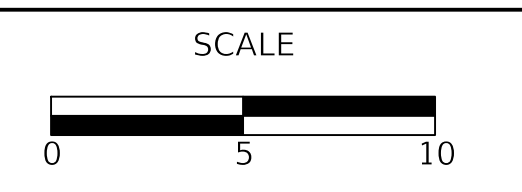
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CHECKED -	KRK	REVISED -	
DATE -	12/28/2020	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



RAND ROAD SIDEPATH
 ADA GRADING PLAN - WOLF ROAD WEST CORNER

SHEET 4 OF 12 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	14-00221-00-BT	COOK	156	67
CONTRACT NO. 61G57				
ILLINOIS FED. AID PROJECT				

DATE: _____
 BY: _____
 SURVEYED: _____
 PLOTTED: _____
 CHECKED: _____
 RT. OF WAY CHECKED: _____
 NOTE BOOK NO.: _____
 CADD FILE NAME: _____

DATE: _____
 BY: _____
 SURVEYED: _____
 PLOTTED: _____
 CHECKED: _____
 B.M. NOTED: _____
 STRUCTURE NOTATION: CHK'D
 NOTE BOOK NO.: _____

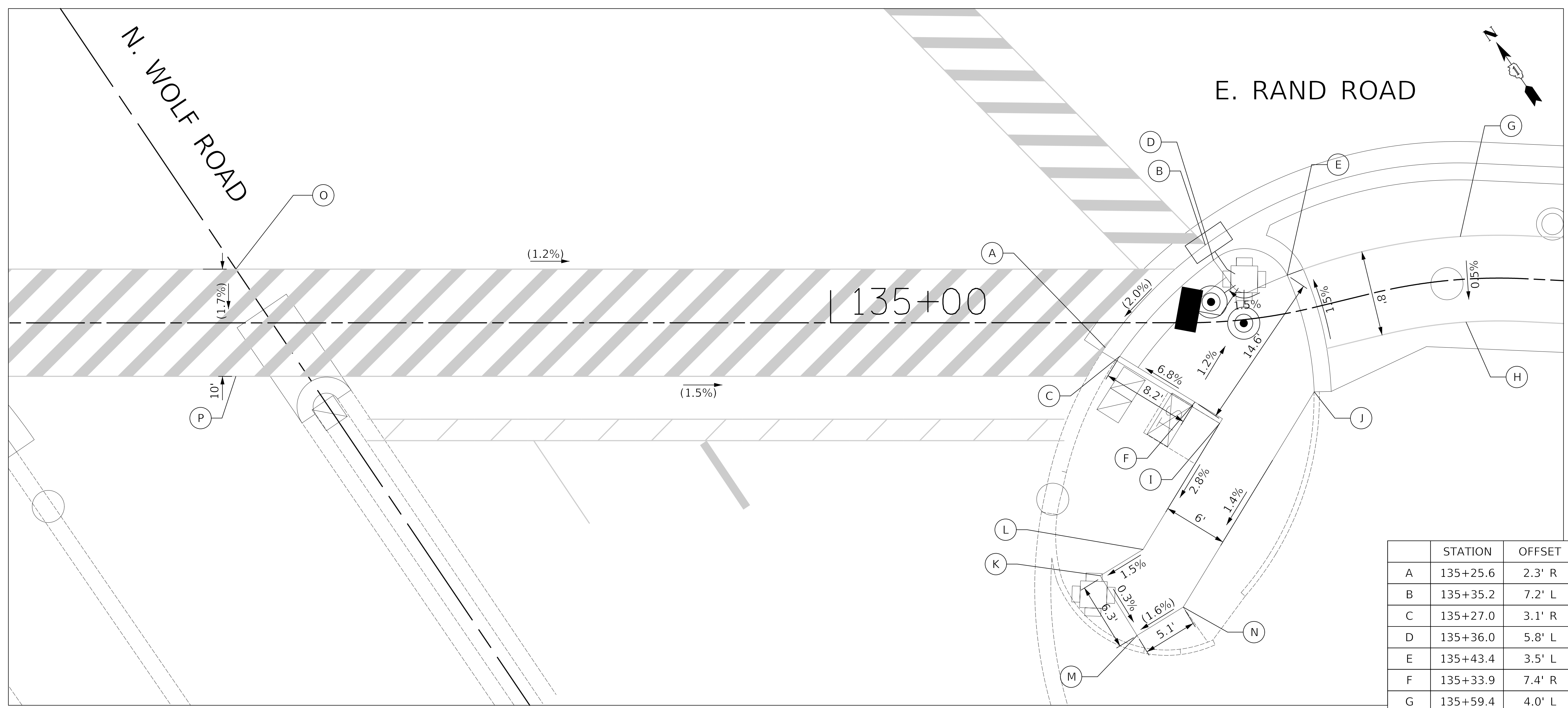


FIGURE 1

	STATION	OFFSET	ELEVATION
A	135+25.6	2.3' R	(655.57')
B	135+35.2	7.2' L	(655.84')
C	135+27.0	3.1' R	655.59'
D	135+36.0	5.8' L	655.84'
E	135+43.4	3.5' L	655.97'
F	135+33.9	7.4' R	656.15
G	135+59.4	4.0' L	656.15
H	135+59.4	4.0' R	
I	135+35.8	9.5' R	(656.22')
J	135+43.6	7.7' R	(656.15')
K	135+25.1	23.6' R	655.77'
L	135+29.1	21.2' R	655.84'
M	135+28.6	29.2' R	(655.75')
N	135+32.9	26.5' R	(655.83')
O	134+44.5	5.0' L	(656.71')
P	134+44.5	5.0' R	(656.54')

- Notes:
- 1.) THESE ADA DETAILS FOLLOW THE CURRENT BDE MANUAL AND ADA/PROWAG GUIDELINES FOR DESIGN REQUIREMENTS.
 - 2.) FIGURE 1 FOLLOWS IDOT STANDARD 424001-09 FOR A PERPENDICULAR CURB RAMP.
 - 3.) STATIONING REFERENCED FROM RAND ROAD SIDEPATH FACILITY.

LEGEND

(xx.xx') EXISTING LENGTH/ELEVATION

PROPOSED SIDE CURB

(%) EXISTING SLOPE

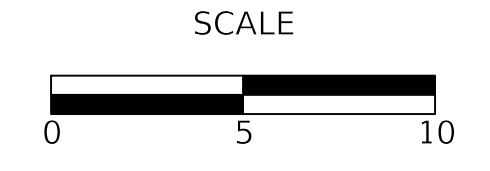
DETECTABLE WARNINGS



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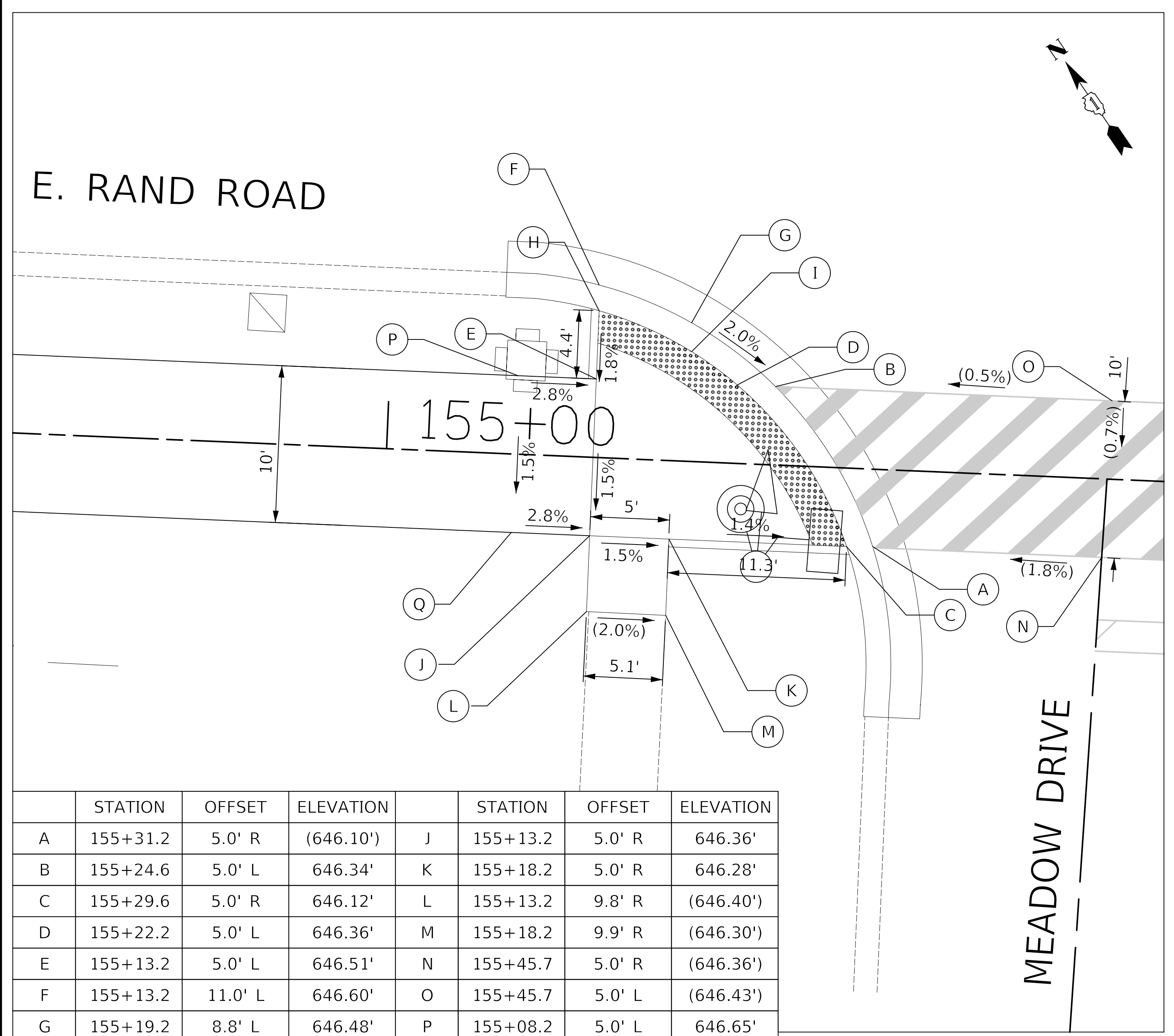
RAND ROAD SIDEPATH
 ADA GRADING PLAN - WOLF ROAD SOUTH CORNER

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	14-00221-00-BT	COOK	156	68
CONTRACT NO. 61G57				
ILLINOIS FED. AID PROJECT				

SHEET 5 OF 12 SHEETS STA. TO STA.

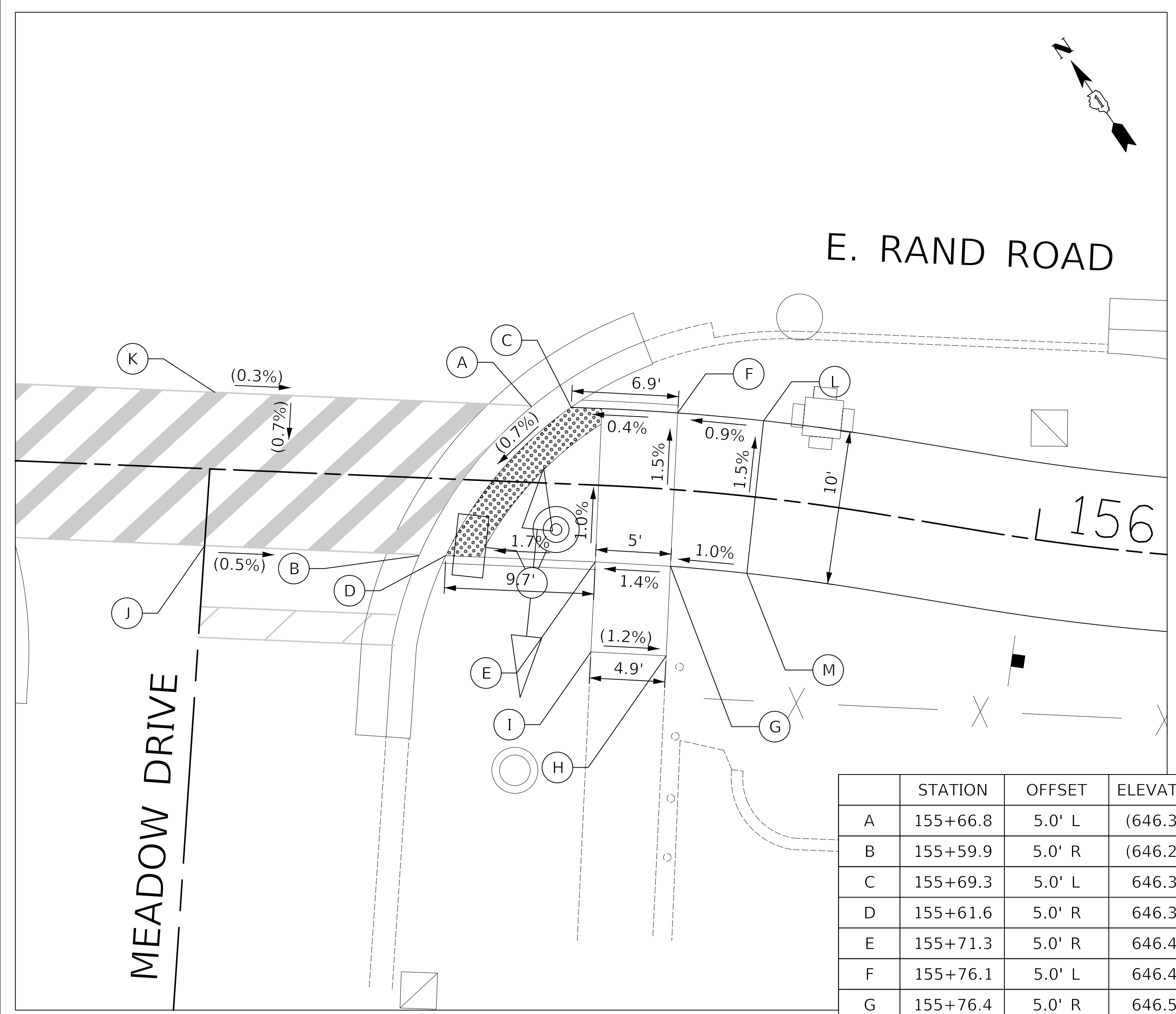
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 BY: _____
 SURVEYED: _____
 PLOTTED: _____
 CHECKED: _____
 RT. OF WAY CHECKED: _____
 NOTE BOOK NO.: _____
 CADD FILE NAME: _____

DATE: _____
 BY: _____
 SURVEYED: _____
 PLOTTED: _____
 CHECKED: _____
 B.M. NOTED: _____
 STRUCTURE NOTATIONS CHK'D: _____
 NOTE BOOK NO.: _____



	STATION	OFFSET	ELEVATION		STATION	OFFSET	ELEVATION
A	155+31.2	5.0' R	(646.10')	J	155+13.2	5.0' R	646.36'
B	155+24.6	5.0' L	646.34'	K	155+18.2	5.0' R	646.28'
C	155+29.6	5.0' R	646.12'	L	155+13.2	9.8' R	(646.40')
D	155+22.2	5.0' L	646.36'	M	155+18.2	9.9' R	(646.30')
E	155+13.2	5.0' L	646.51'	N	155+45.7	5.0' R	(646.36')
F	155+13.2	11.0' L	646.60'	O	155+45.7	5.0' L	(646.43')
G	155+19.2	8.8' L	646.48'	P	155+08.2	5.0' L	646.65'
H	155+13.2	9.4' L	646.59'	Q	155+08.2	5.0' R	646.50'
I	155+19.2	7.0' L	646.47'				

FIGURE 1



	STATION	OFFSET	ELEVATION
A	155+66.8	5.0' L	(646.37')
B	155+59.9	5.0' R	(646.29')
C	155+69.3	5.0' L	646.37'
D	155+61.6	5.0' R	646.31'
E	155+71.3	5.0' R	646.48'
F	155+76.1	5.0' L	646.40'
G	155+76.4	5.0' R	646.55'
H	155+76.5	10.8' R	(646.80')
I	155+71.3	10.9' R	(646.86')
J	155+45.7	5.0' R	(646.36')
K	155+45.7	5.0' L	(646.43')
L	155+81.5	5.0' L	646.45'
M	155+81.5	5.0' R	646.60'

FIGURE 2

- Notes:
- 1.) THESE ADA DETAILS FOLLOW THE CURRENT BDE MANUAL AND ADA/PROWAG GUIDELINES FOR DESIGN REQUIREMENTS.
 - 2.) FIGURE 1 FOLLOWS IDOT STANDARD 424001-09 FOR A PERPENDICULAR CURB RAMP. FIGURE 2 FOLLOWS IDOT STANDARD 424001-09 FOR A PERPENDICULAR CURB RAMP.
 - 3.) STATIONING REFERENCED FROM RAND ROAD SIDEPATH FACILITY.

LEGEND

(xx.xx') EXISTING LENGTH/ELEVATION

PROPOSED SIDE CURB

(%) EXISTING SLOPE

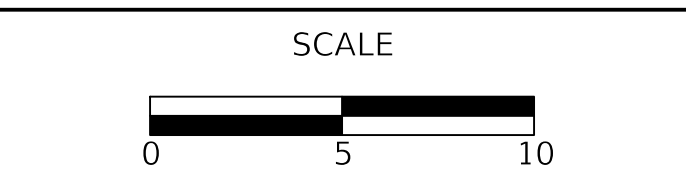
DETECTABLE WARNINGS



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DATE -	12/28/2020	REVISED -	

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

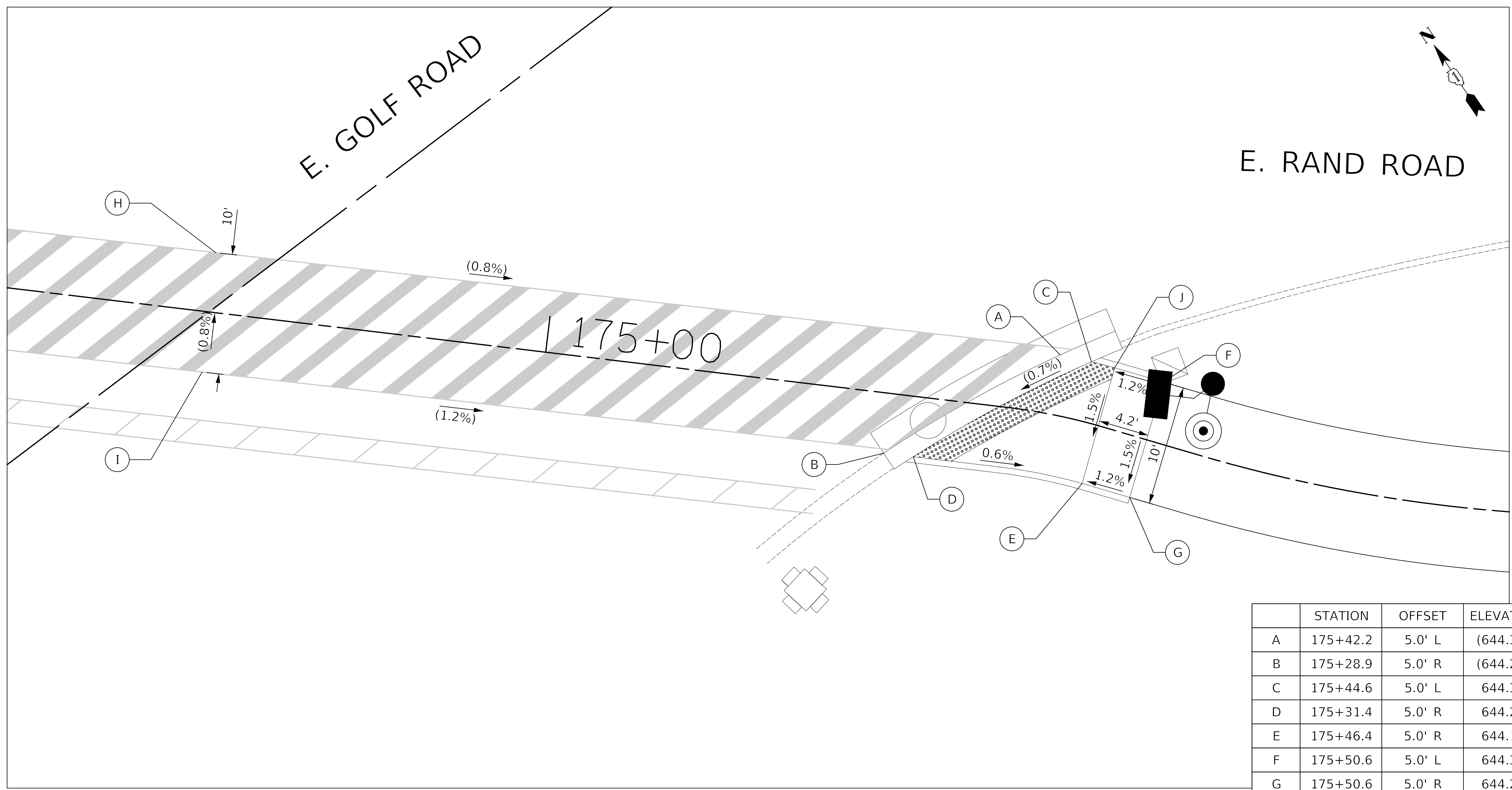


RAND ROAD SIDEPATH
 ADA GRADING PLAN - MEADOW DR. WEST & SOUTH CORNERS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	14-00221-00-BT	COOK	156	70
CONTRACT NO. 61G57				
ILLINOIS FED. AID PROJECT				

DATE	
BY	
SURVEYED	
PLANNED	
DESIGNED	
CHECKED	
RT. OF WAY CHECKED	
NO. _____	
NOTE BOOK	
CADD FILE NAME	

DATE	
BY	
SURVEYED	
PLANNED	
DESIGNED	
CHECKED	
B.M. NOTED	
STRUCTURE NOTATIONS CHK'D	
NO. _____	
NOTE BOOK	
CADD FILE NAME	



	STATION	OFFSET	ELEVATION
A	175+42.2	5.0' L	(644.35')
B	175+28.9	5.0' R	(644.25')
C	175+44.6	5.0' L	644.34'
D	175+31.4	5.0' R	644.24'
E	175+46.4	5.0' R	644.16'
F	175+50.6	5.0' L	644.36'
G	175+50.6	5.0' R	644.21'
H	174+71.8	5.0' L	(644.95')
I	174+71.8	5.0' R	(645.03')
J	175+46.4	5.0' L	644.31'

FIGURE 1

- Notes:*
- 1.) THESE ADA DETAILS FOLLOW THE CURRENT BDE MANUAL AND ADA/PROWAG GUIDELINES FOR DESIGN REQUIREMENTS.
 - 2.) FIGURE 1 FOLLOWS IDOT STANDARD 424001-09 FOR A PERPENDICULAR CURB RAMP.
 - 3.) STATIONING REFERENCED FROM RAND ROAD SIDEPATH FACILITY.

LEGEND

(xx.xx') EXISTING LENGTH/ELEVATION [Dotted Pattern] DETECTABLE WARNINGS

===== PROPOSED SIDE CURB

(%) EXISTING SLOPE

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

DATE	
BY	
SURVEYED	
PLOTTED	
CHECKED	
B.M. NOTED	
STRUCTURE NOTATION CHK'D	
NO. _____	
NOTE BOOK	
NO. _____	

E. RAND ROAD

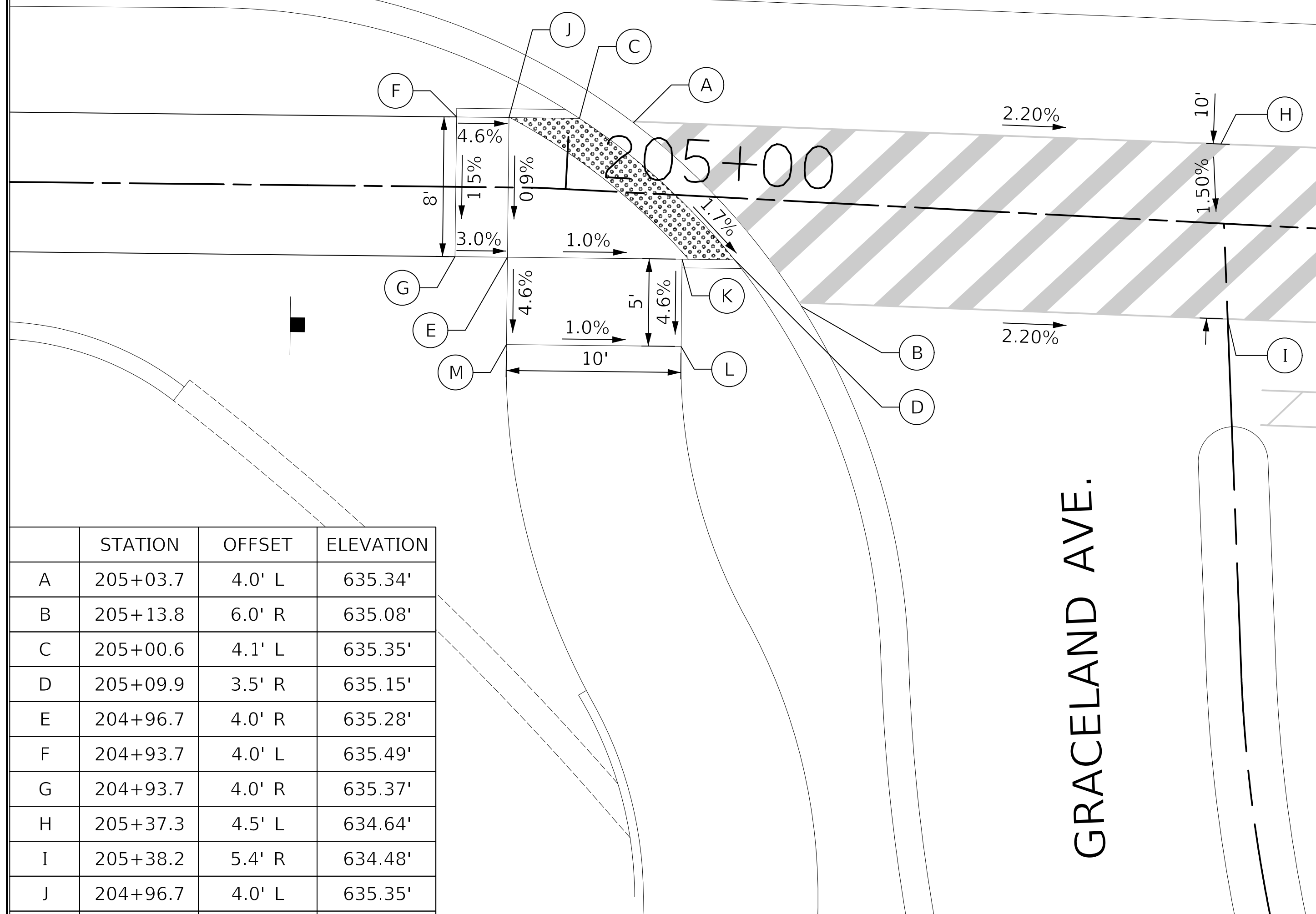


FIGURE 1

	STATION	OFFSET	ELEVATION
A	205+03.7	4.0' L	635.34'
B	205+13.8	6.0' R	635.08'
C	205+00.6	4.1' L	635.35'
D	205+09.9	3.5' R	635.15'
E	204+96.7	4.0' R	635.28'
F	204+93.7	4.0' L	635.49'
G	204+93.7	4.0' R	635.37'
H	205+37.3	4.5' L	634.64'
I	205+38.2	5.4' R	634.48'
J	204+96.7	4.0' L	635.35'
K	205+06.9	3.7' R	635.18'
L	205+07.1	8.7' R	634.95'
M	204+96.7	9.0' R	635.05'

- Notes:*
- 1.) THESE ADA DETAILS FOLLOW THE CURRENT BDE MANUAL AND ADA/PROWAG GUIDELINES FOR DESIGN REQUIREMENTS.
 - 2.) FIGURE 1 FOLLOWS IDOT STANDARD 424001-09 FOR A PERPENDICULAR CURB RAMP. FIGURE 2 FOLLOWS IDOT STANDARD 424001-09 FOR A PERPENDICULAR CURB RAMP.
 - 3.) STATIONING REFERENCED FROM RAND ROAD SIDEPATH FACILITY.

LEGEND

- (xx.xx') EXISTING LENGTH/ELEVATION
- PROPOSED SIDE CURB
- (%) EXISTING SLOPE
- DETECTABLE WARNINGS

E. RAND ROAD

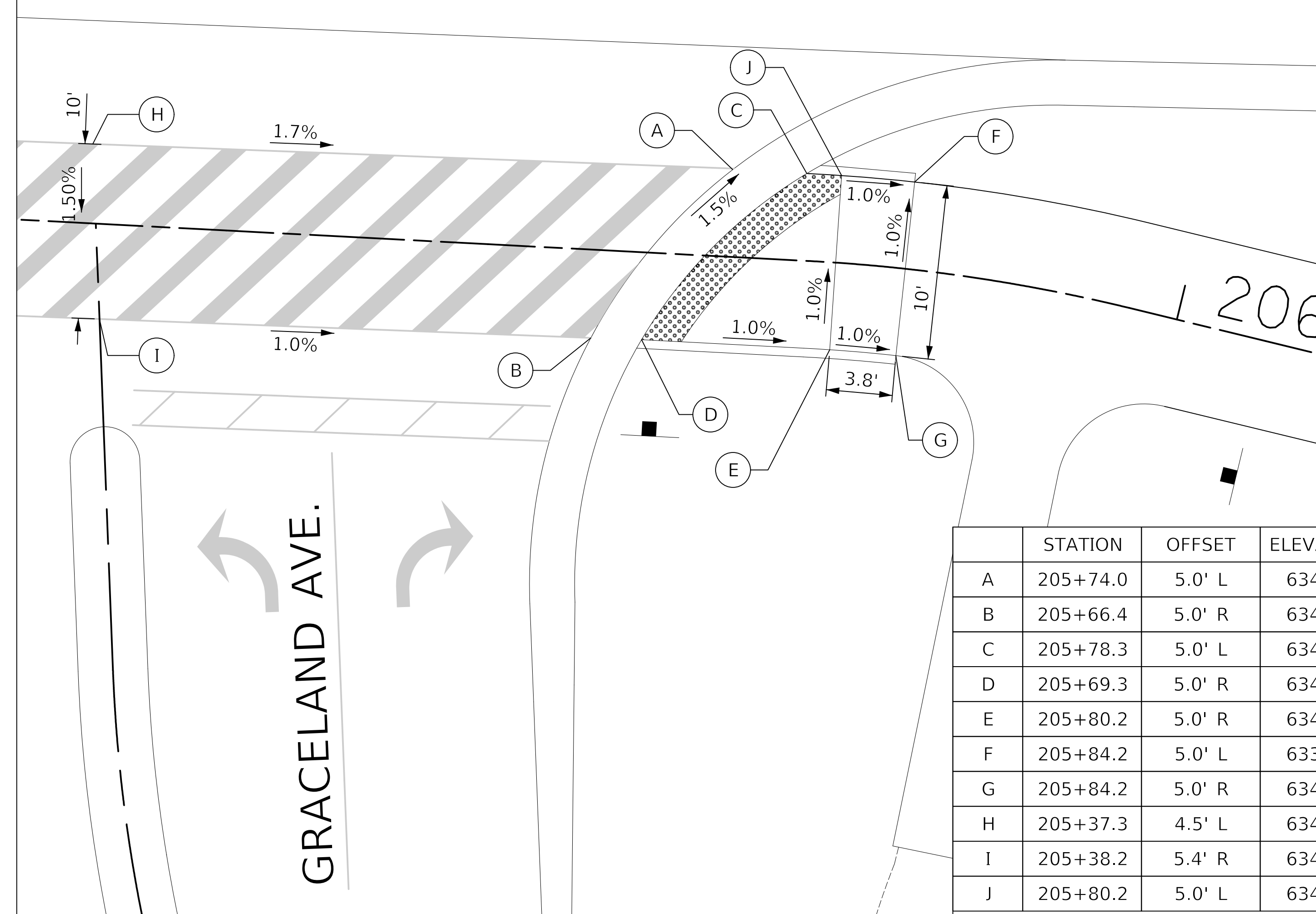
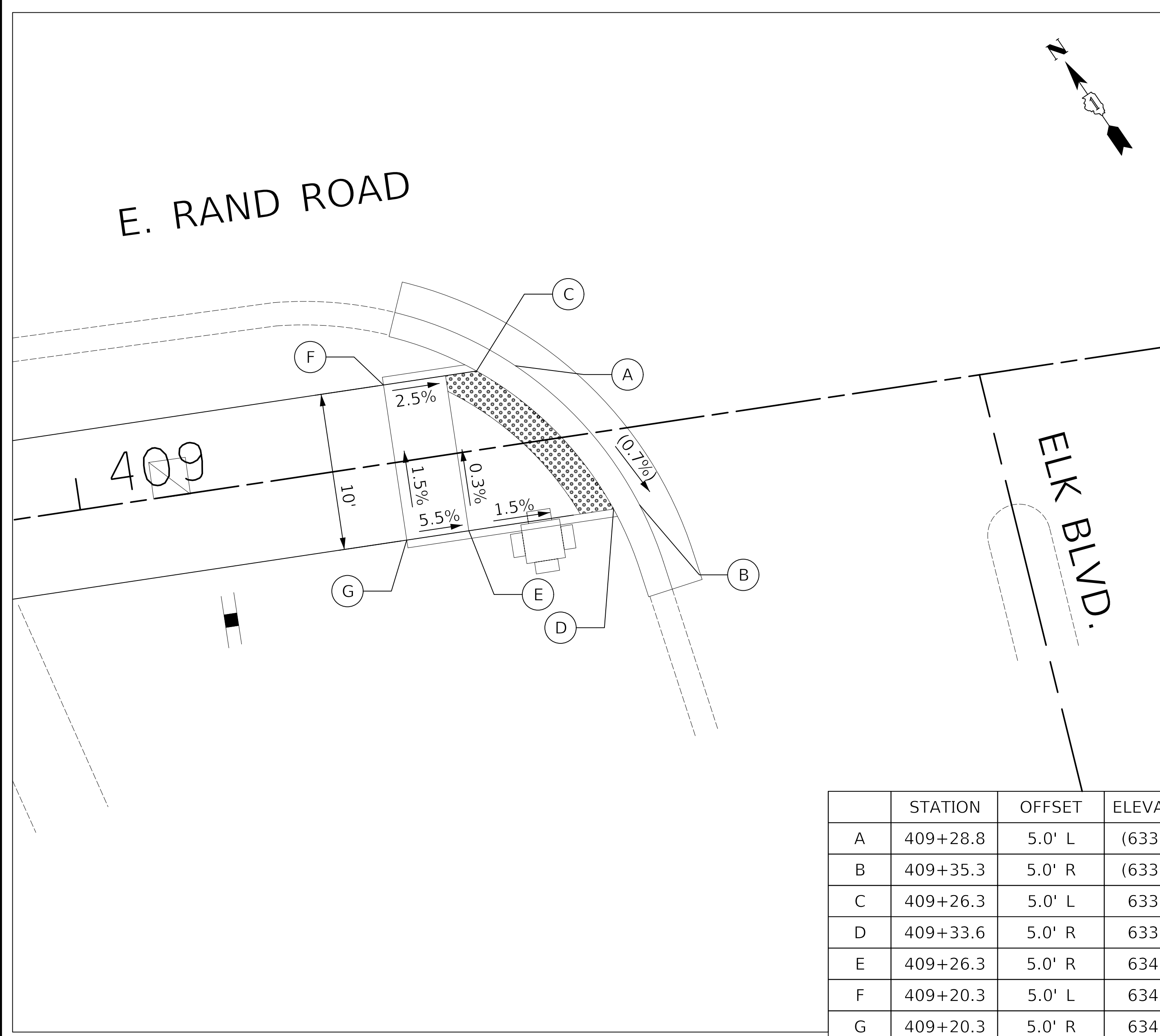


FIGURE 2

	STATION	OFFSET	ELEVATION
A	205+74.0	5.0' L	634.02'
B	205+66.4	5.0' R	634.21'
C	205+78.3	5.0' L	634.02'
D	205+69.3	5.0' R	634.21'
E	205+80.2	5.0' R	634.10'
F	205+84.2	5.0' L	633.96'
G	205+84.2	5.0' R	634.06'
H	205+37.3	4.5' L	634.64'
I	205+38.2	5.4' R	634.48'
J	205+80.2	5.0' L	634.00'

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

DATE	
BY	
SURVEYED	
PLOTTED	
CHECKED	
B.M. NOTED	
STRUCTURE NOTATIONS CHK'D	
PROFILE	
NOTE BOOK NO.	



	STATION	OFFSET	ELEVATION
A	409+28.8	5.0' L	(633.97')
B	409+35.3	5.0' R	(633.89')
C	409+26.3	5.0' L	633.99'
D	409+33.6	5.0' R	633.91'
E	409+26.3	5.0' R	634.05'
F	409+20.3	5.0' L	634.12'
G	409+20.3	5.0' R	634.27'

FIGURE 1

Notes:

- 1.) THESE ADA DETAILS FOLLOW THE CURRENT BDE MANUAL AND ADA/PROWAG GUIDELINES FOR DESIGN REQUIREMENTS.
- 2.) FIGURE 1 FOLLOWS IDOT STANDARD 424001-09 FOR A PERPENDICULAR CURB RAMP.
- 3.) STATIONING REFERENCED FROM RAND ROAD SIDEPATH FACILITY.

LEGEND

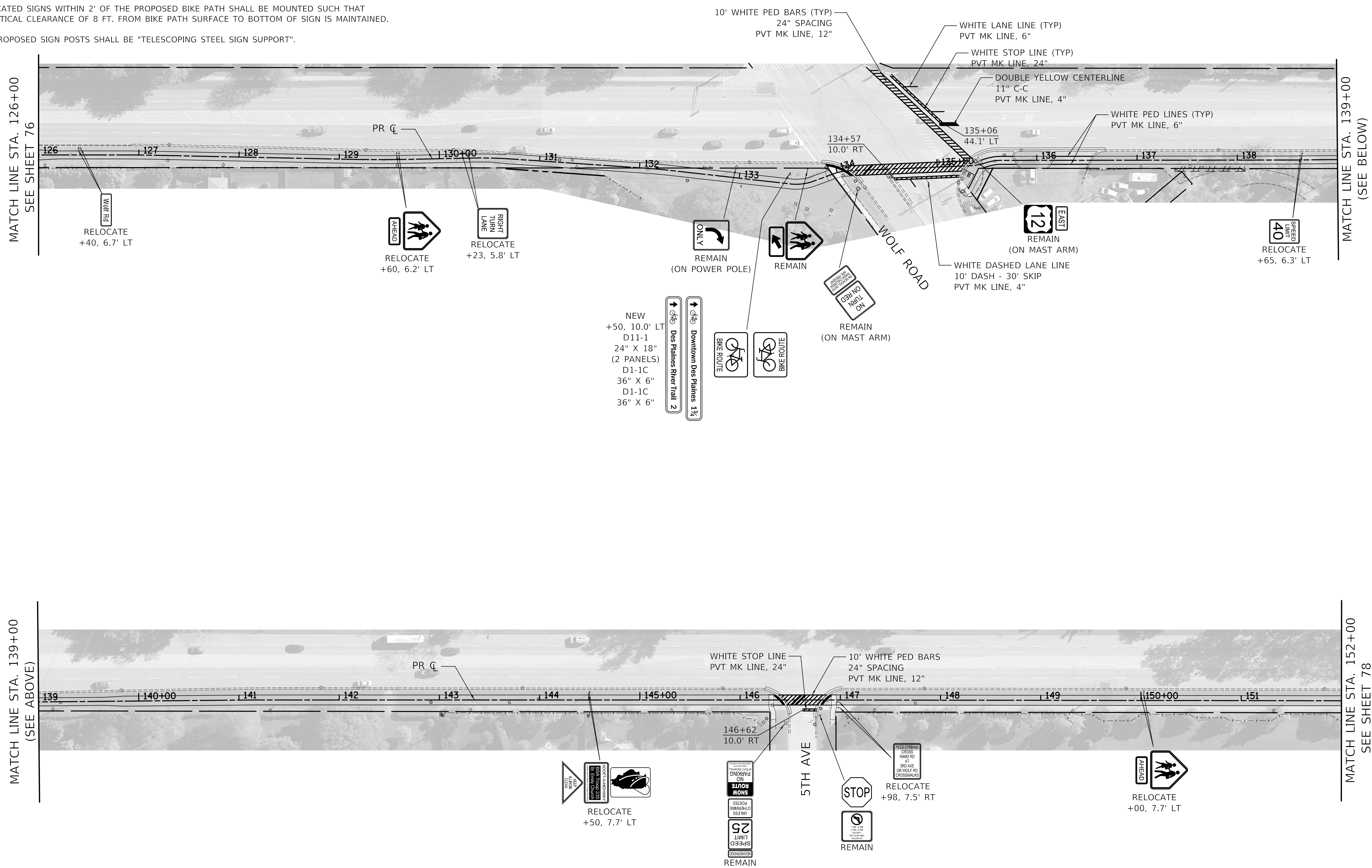
(xx.xx')	EXISTING LENGTH/ELEVATION		DETECTABLE WARNINGS
---	PROPOSED SIDE CURB		
(%)	EXISTING SLOPE		

NOTES

1. ALL PAVEMENT MARKINGS ON HMA SURFACES SHALL BE THERMOPLASTIC.
ALL PAVEMENT MARKINGS ON CONCRETE SURFACES SHALL BE EPOXY OR POLYUREA.
2. RELOCATED SIGNS WITHIN 2' OF THE PROPOSED BIKE PATH SHALL BE MOUNTED SUCH THAT A VERTICAL CLEARANCE OF 8 FT. FROM BIKE PATH SURFACE TO BOTTOM OF SIGN IS MAINTAINED.
3. ALL PROPOSED SIGN POSTS SHALL BE "TELESCOPING STEEL SIGN SUPPORT".

PLAN	SURVEYED	DATE
NO.	BY	
	PLOTTED	
	CHECKED	
	BY	
	DATE	

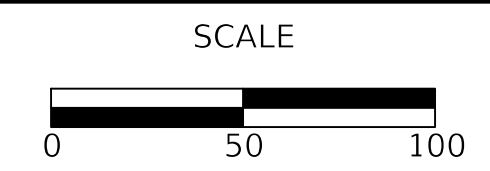
PROFILE	SURVEYED	DATE
NO.	BY	
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	BY	
	DATE	



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DATE -	12/28/2020	REVISED -	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**



PAVEMENT MARKING AND SIGNING PLANS

SHEET 2 OF 5 SHEETS STA. 126+00 TO STA. 152+00

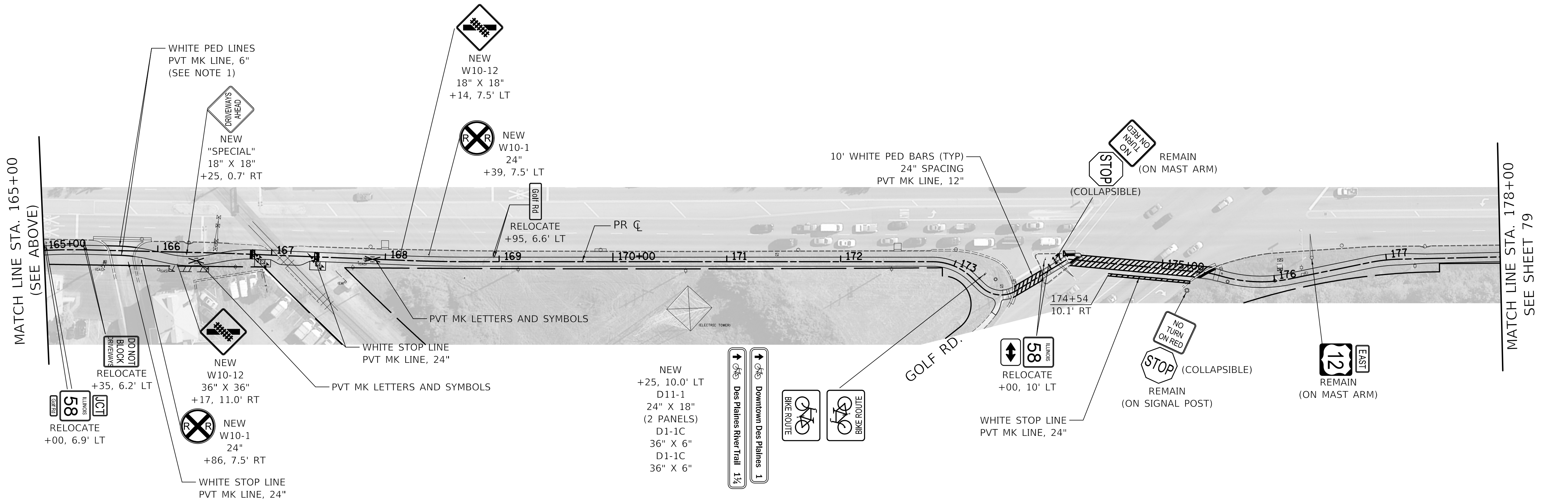
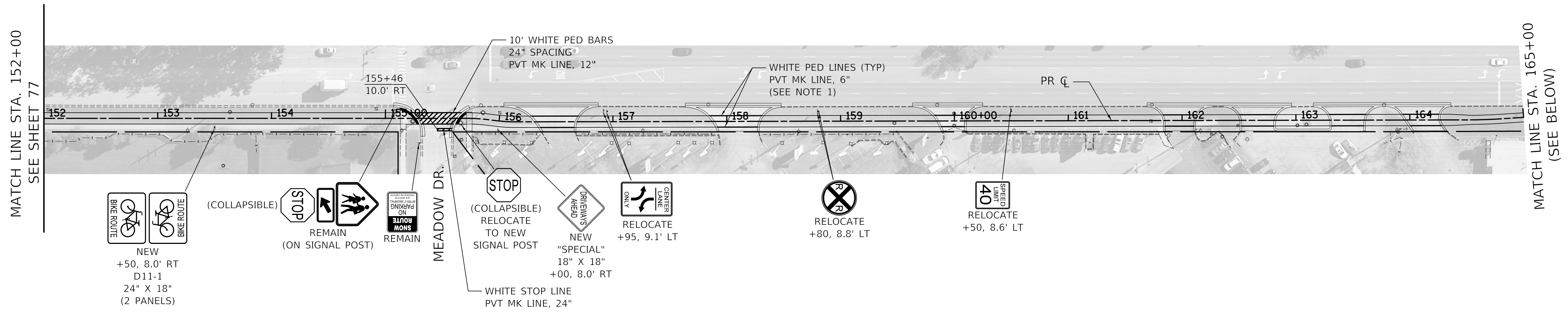
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	14-00221-00-BT	COOK	156	77
CONTRACT NO. 61G57				
ILLINOIS FED. AID PROJECT				

NOTES

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3. ALL PROPOSED SIGN POSTS SHALL BE "TELESCOPING STEEL SIGN SUPPORT".

PLAN	SURVEYED	DATE
	PLOTTED	
	NOTED	
	RT. OF WAY CHECKED	
	CADD FILE NAME	

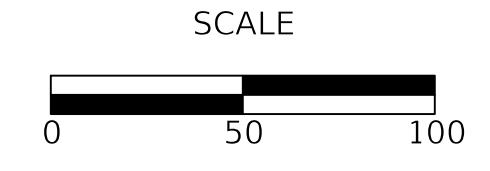
PROFILE	SURVEYED	DATE
	PLOTTED	
	NOTED	
	B.M. NOTED	
	STRUCTURE NOTATIONS CHKD	



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DATE -	12/28/2020	REVISED -	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**



PAVEMENT MARKING AND SIGNING PLANS

SHEET 3 OF 5 SHEETS STA. 152+00 TO STA. 178+00

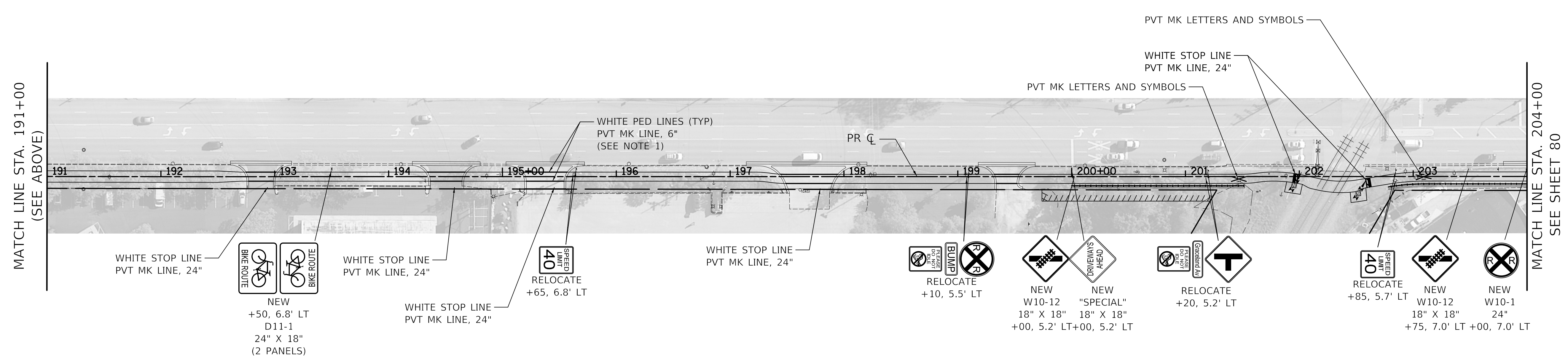
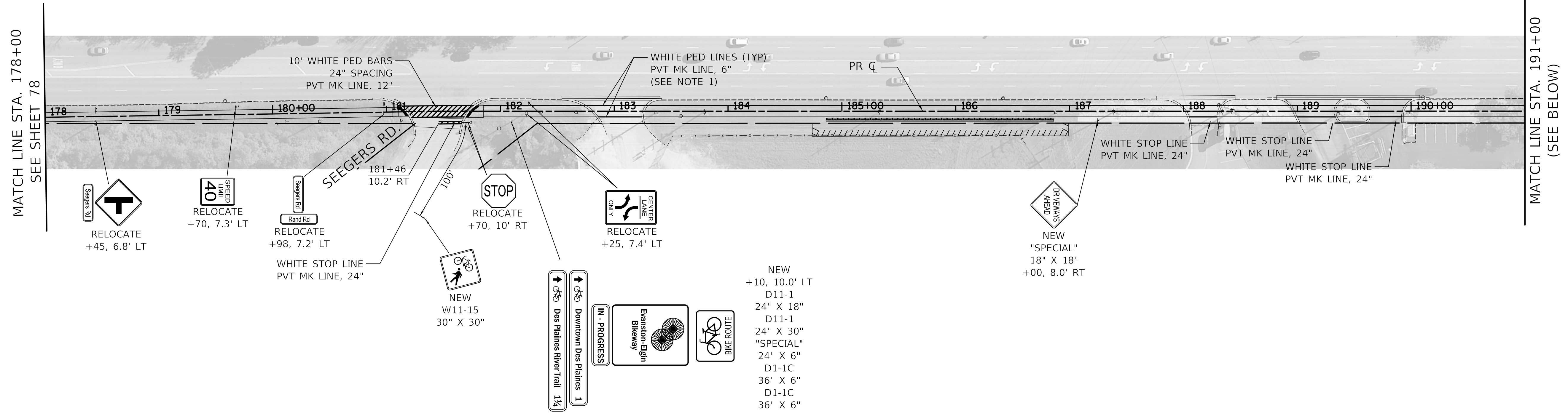
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	14-00221-00-BT	COOK	156	78
CONTRACT NO. 61G57				
ILLINOIS FED. AID PROJECT				

NOTES

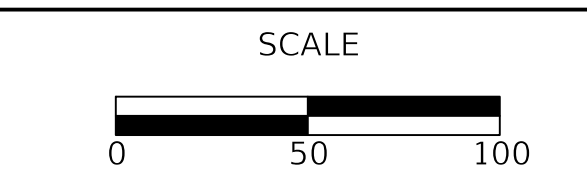
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3. ALL PROPOSED SIGN POSTS SHALL BE "TELESCOPING STEEL SIGN SUPPORT".

PLAN	SURVEYED	DATE
	PLOTTED	
	CHECKED	
	BY	
	NOTE BOOK NO.	
	CADD FILE NAME	

PROFILE	SURVEYED	DATE
	PLOTTED	
	CHECKED	
	BY	
	NOTE BOOK NO.	
	STRUCTURE NOTATION CHKD	



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DATE -	12/28/2020	REVISED -	



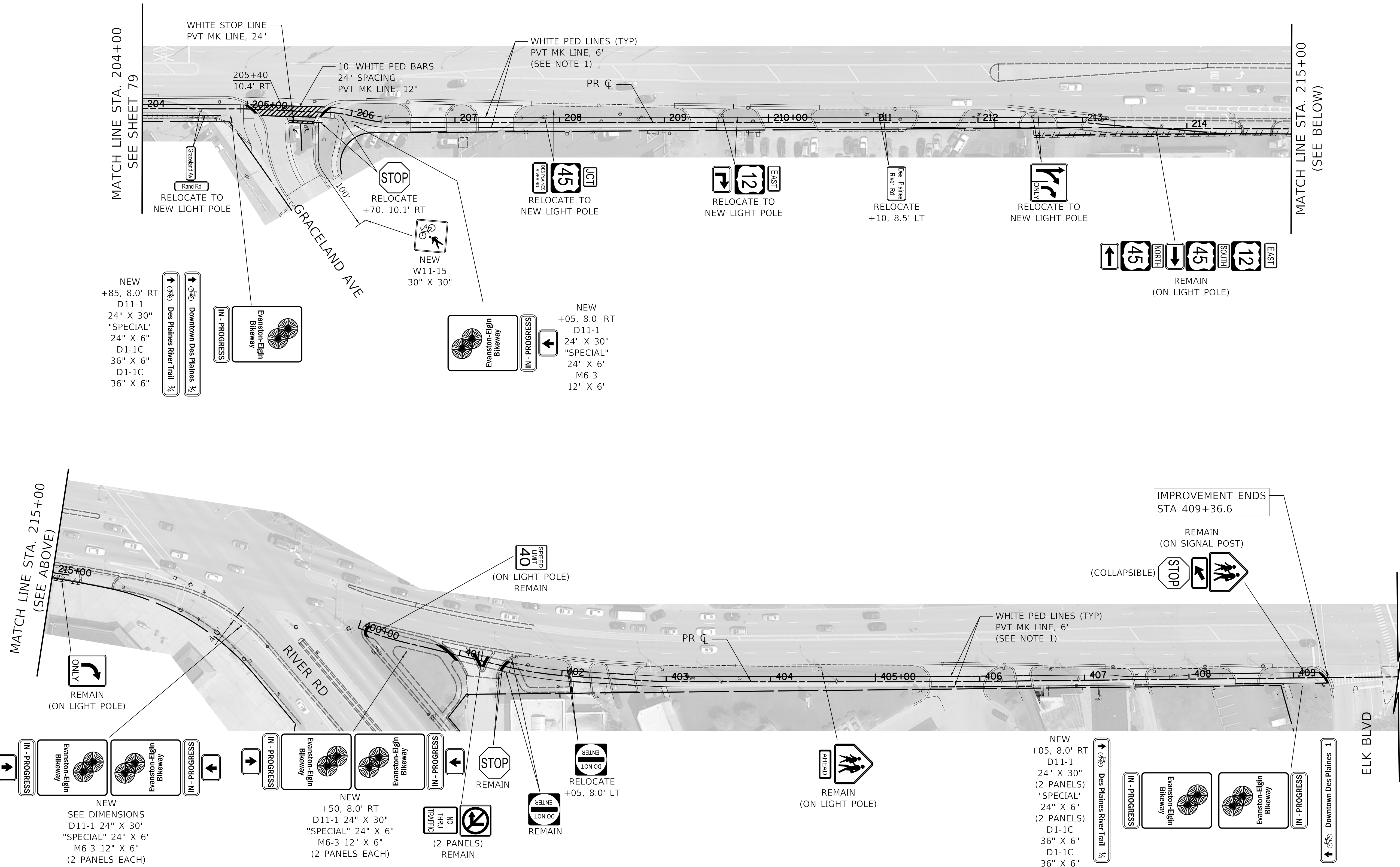
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	14-00221-00-BT	COOK	156	79
CONTRACT NO. 61G57				
ILLINOIS FED. AID PROJECT				

NOTES

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

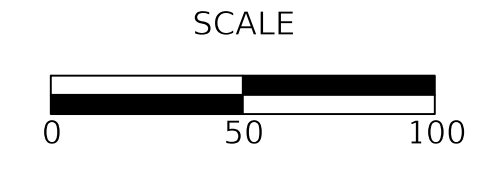
PROFILE	SURVEYED	DATE
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	B.M. NOTED	
	STRUCTURE NOTATIONS CHKD	



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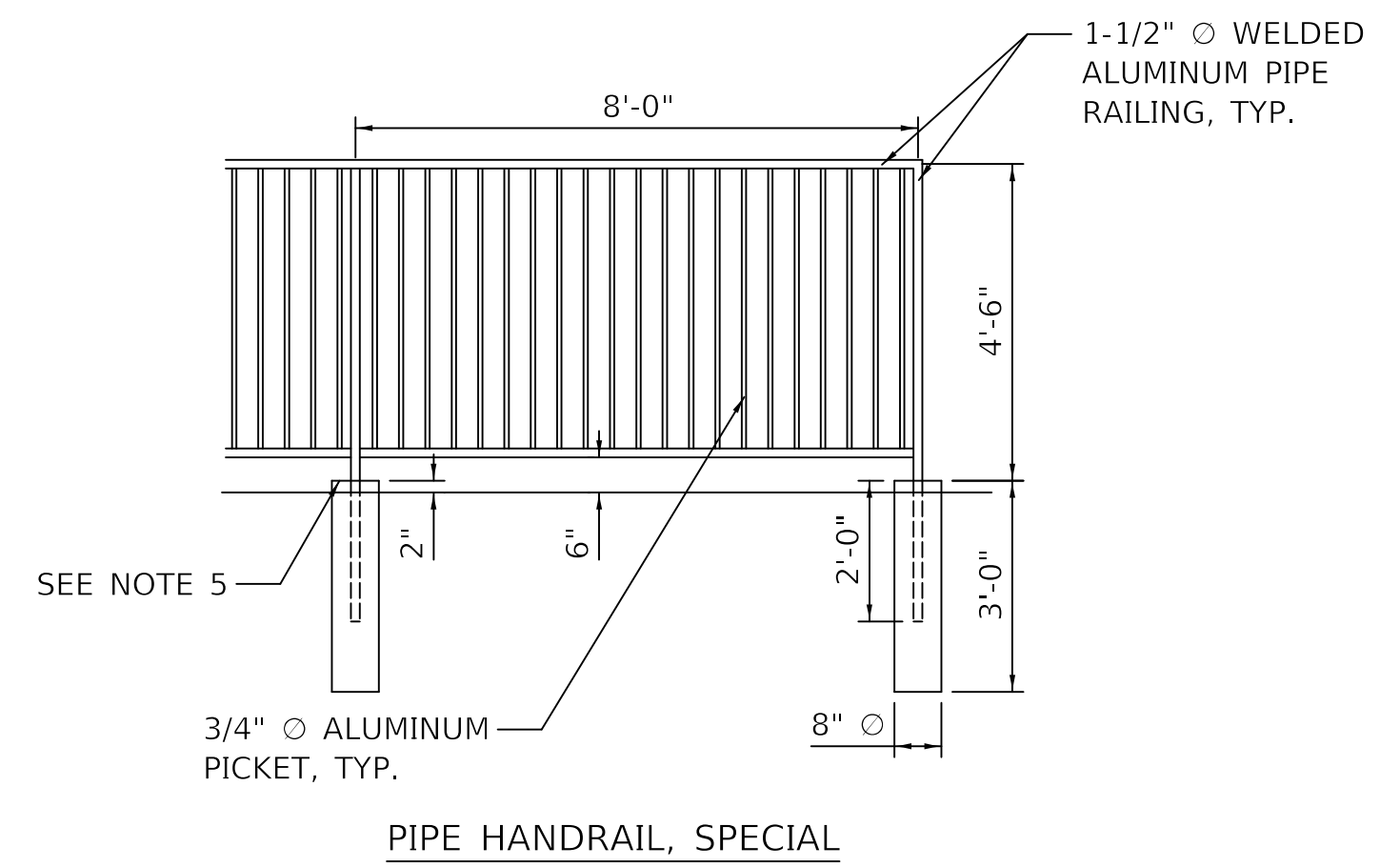
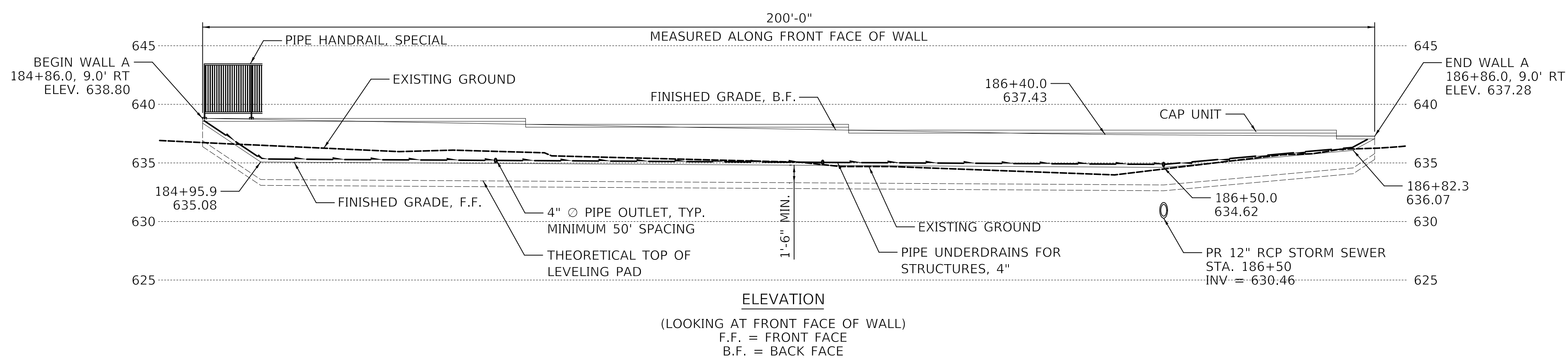
PAVEMENT MARKING AND SIGNING PLANS

SHEET 5 OF 5 SHEETS STA. 204+00 TO STA. 410+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	14-00221-00-BT	COOK	156	80
CONTRACT NO. 61G57				
ILLINOIS FED. AID PROJECT				

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

DATE	
BY	
SURVEYED	
PLOTTED	
CHECKED	
B.M. NOTED	
STRUCTURE NOTATION CHK'D	
PROFILE	
NOTE BOOK NO.	



TOTAL BILL OF MATERIAL

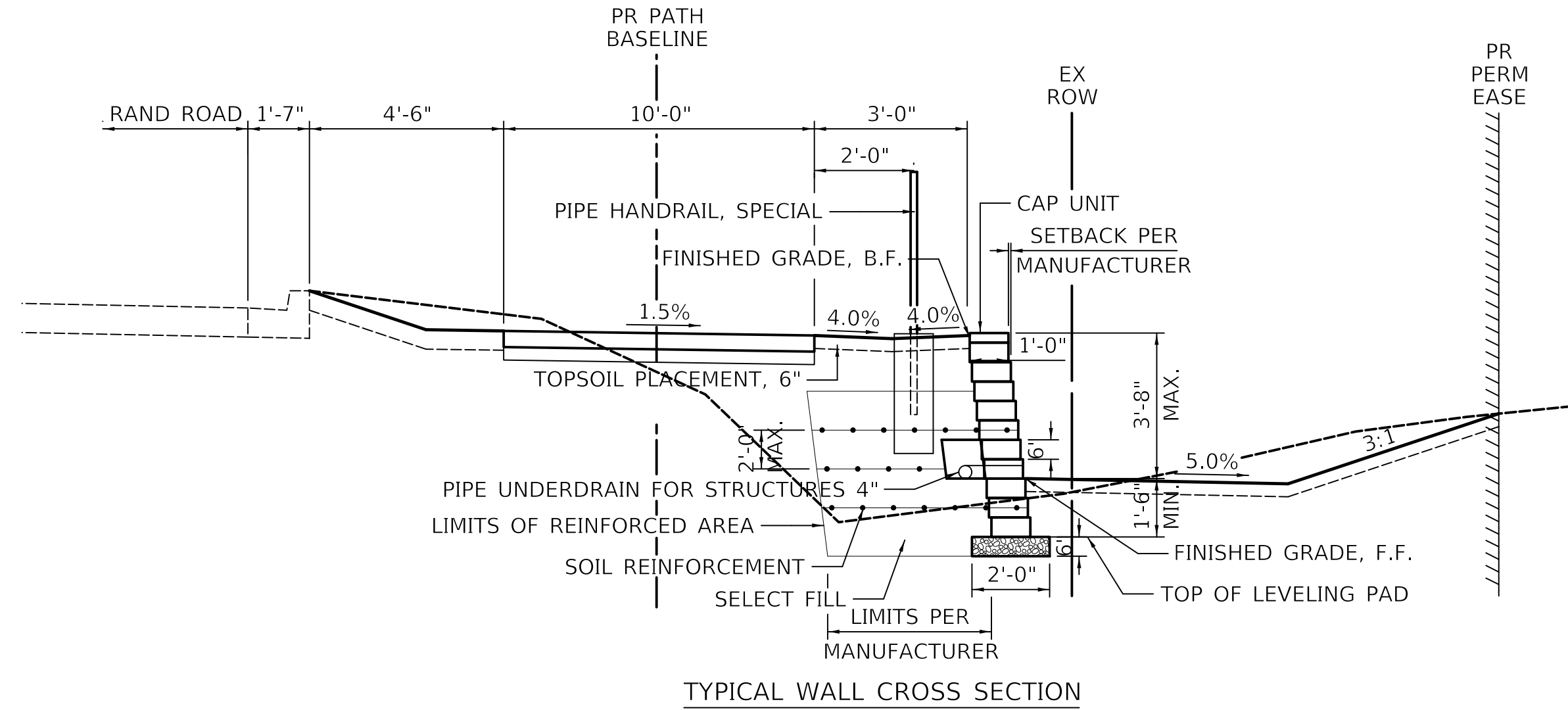
ITEM	UNIT	TOTAL
SEGMENTAL CONCRETE BLOCK WALL	SQ. FT.	874
PIPE UNDERDRAINS FOR STRUCTURES 4"	FOOT	200
PIPE HANDRAIL, SPECIAL	FOOT	200

GENERAL NOTES

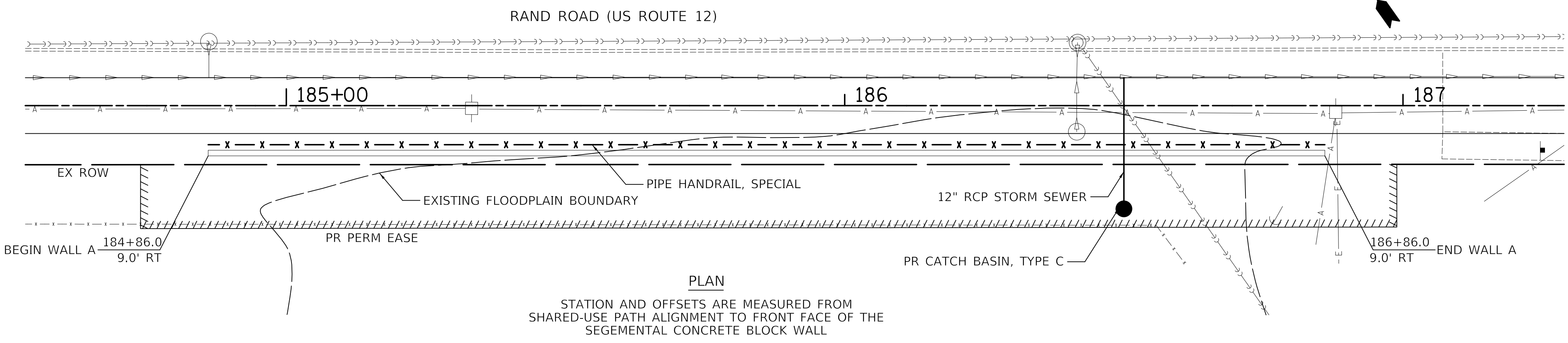
- DESIGN AND INSTALLATION OF SEGMENTAL CONCRETE BLOCK WALL (INCLUDING NEED FOR SOIL REINFORCEMENT) TO BE IN ACCORDANCE WITH WALL SYSTEM MANUFACTURER DESIGN REQUIREMENTS AND SPECIFICATIONS AND THE IDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, ADOPTED APRIL 1, 2016.
- EXCAVATION, LEVELING PAD, SELECT FILL, SOIL REINFORCEMENT, AND DESIGN ARE INCLUDED IN THE COST OF SEGMENTAL CONCRETE BLOCK WALL.
- CYLINDRICAL FORMS FOR PIPE HANDRAIL POSTS MUST BE PLACED AS RETAINING WALL IS CONSTRUCTED.
- SOIL REINFORCEMENT TO BE CUT PERPENDICULAR TO WALL FACE AT CENTERLINE OF HANDRAIL FOUNDATIONS.
- MINIMUM REQUIRED ALLOWABLE BEARING PRESSURE = 1,500 PSF.

PIPE HANDRAIL, SPECIAL NOTES

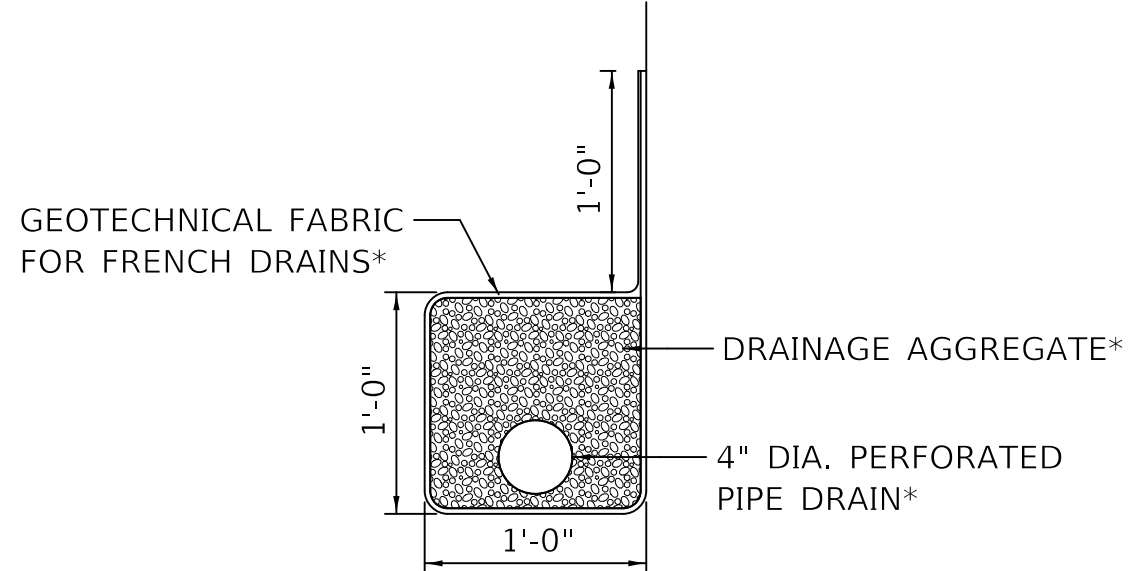
- ALL POSTS AND RAILS SHALL BE FORMED FROM EXTRUDED 6063-T6 ALUMINUM OF 1.5" INSIDE DIAMETER SCHEDULE 40 PIPE SIZE (1.9" OUTSIDE DIAMETER).
 - ALL FASTENERS IN THE SYSTEM WILL BE STAINLESS STEEL.
 - PIPE HANDRAIL WILL BE FACTORY COATED WITH A BLACK BAKED ON ENAMEL FINISH.
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 - HANDRAIL POSTS SHALL BE CONSTRUCTED USING ONE OF THE FOLLOWING ALTERNATIVES:
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B. BASE PLATES FASTENED TO FOUNDATION WITH ANCHOR BOLTS*
- *DRILL AND SET 5/8" Ø ANCHOR RODS ACCORDING TO ARTICLE 509.06 OF THE STANDARD SPECIFICATIONS. EMBEDMENT SHALL BE ACCORDING TO THE MANUFACTURER'S SPECIFICATIONS.



TYPICAL WALL CROSS SECTION



PLAN
STATION AND OFFSETS ARE MEASURED FROM SHARED-USE PATH ALIGNMENT TO FRONT FACE OF THE SEGEMENTAL CONCRETE BLOCK WALL



PIPE UNDERDRAIN DETAIL

* INCLUDED IN THE COST OF PIPE UNDERDRAINS FOR STRUCTURES 4"



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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

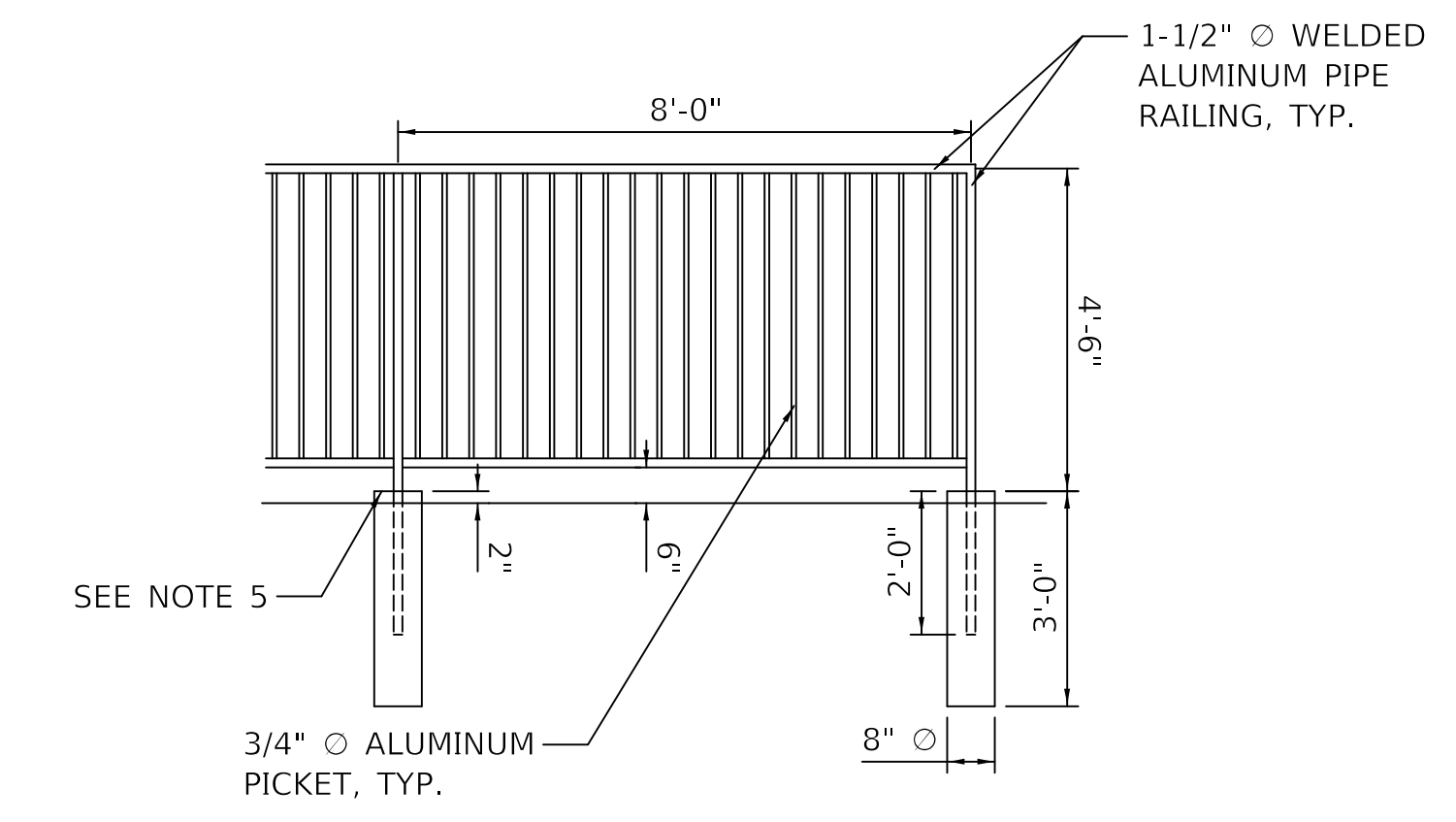
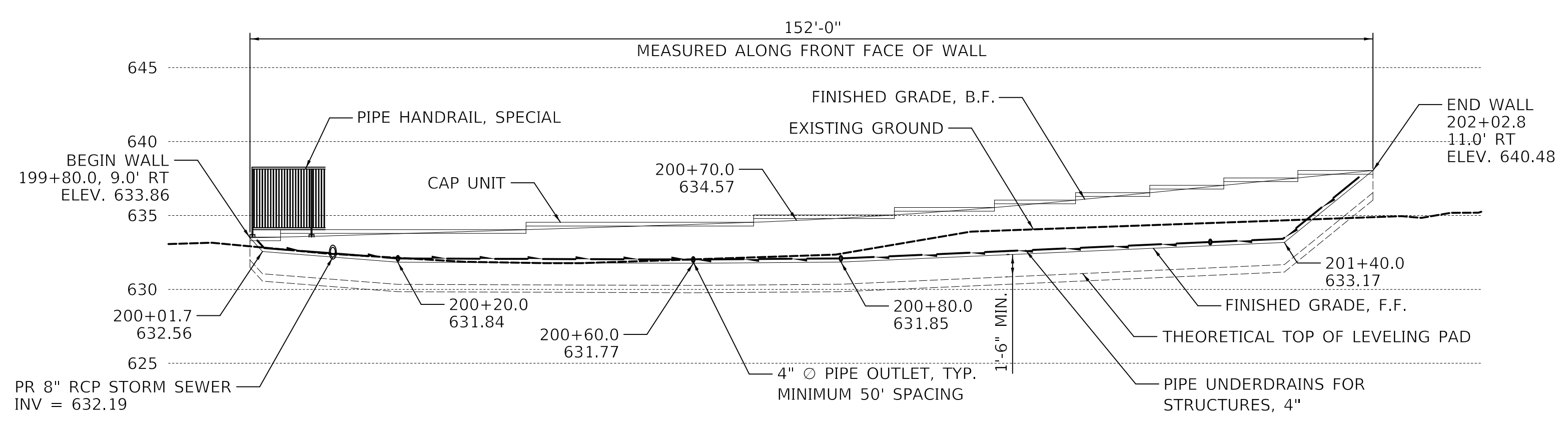
**GENERAL PLAN AND ELEVATION
WALL A**

SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	14-00221-00-BT	COOK	156	81
CONTRACT NO. 61G57				
ILLINOIS FED. AID PROJECT				

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

DATE	
BY	
SURVEYED	
PLOTTED	
CHECKED	
B.M. NOTED	
STRUCTURE NOTATIONS CHKD	
NO.	



TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
SEGMENTAL CONCRETE BLOCK WALL	SQ. FT.	638
PIPE UNDERDRAINS FOR STRUCTURES 4"	FOOT	152
PIPE HANDRAIL, SPECIAL	FOOT	152

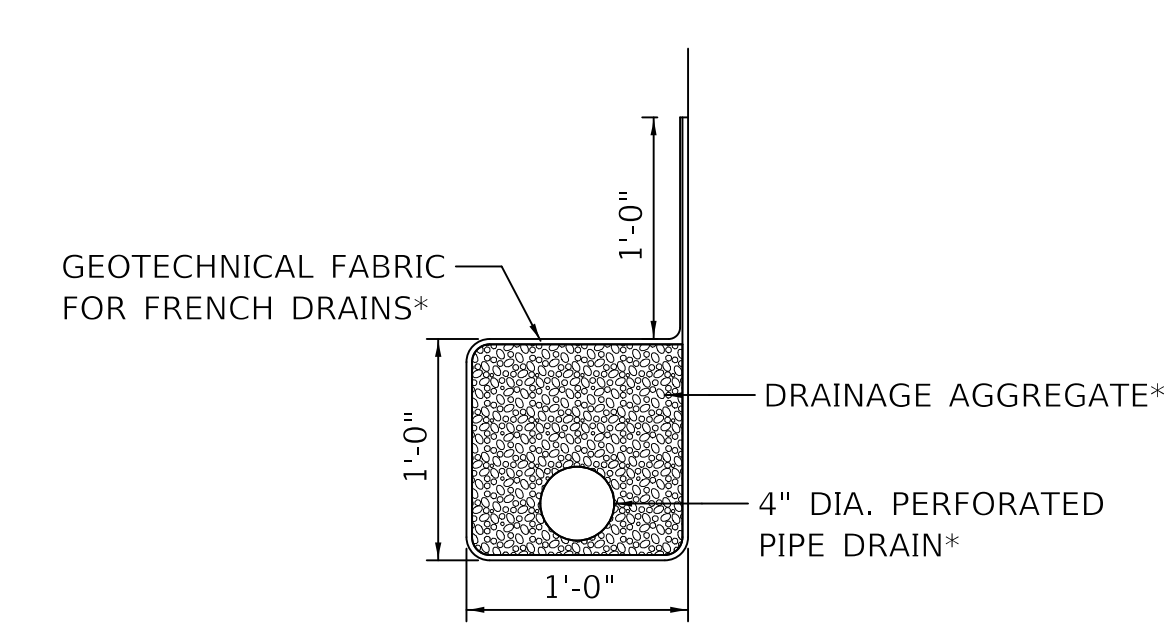
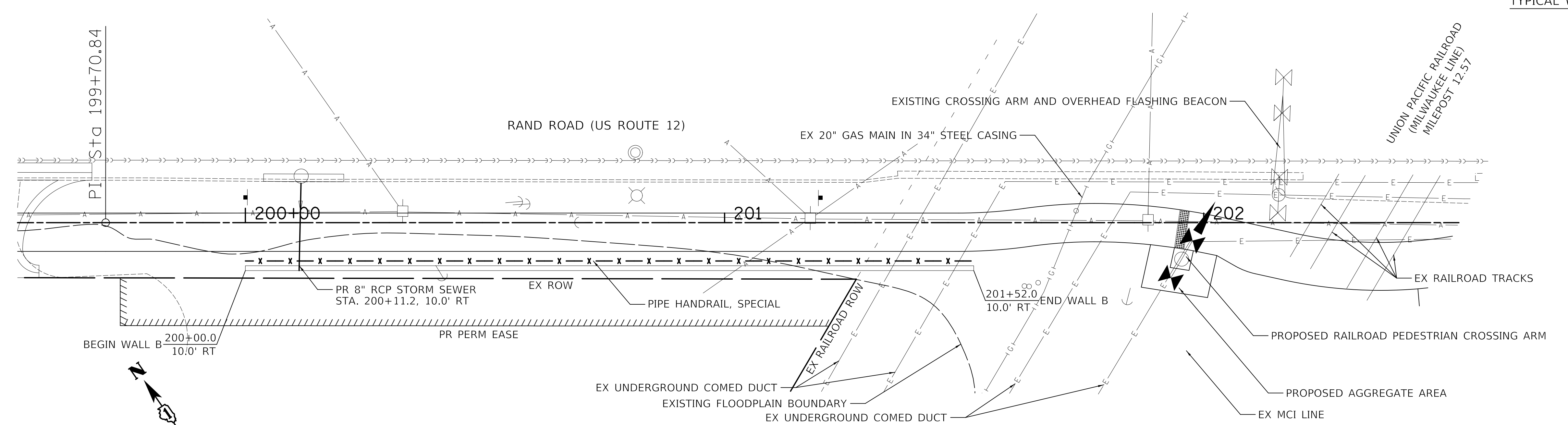
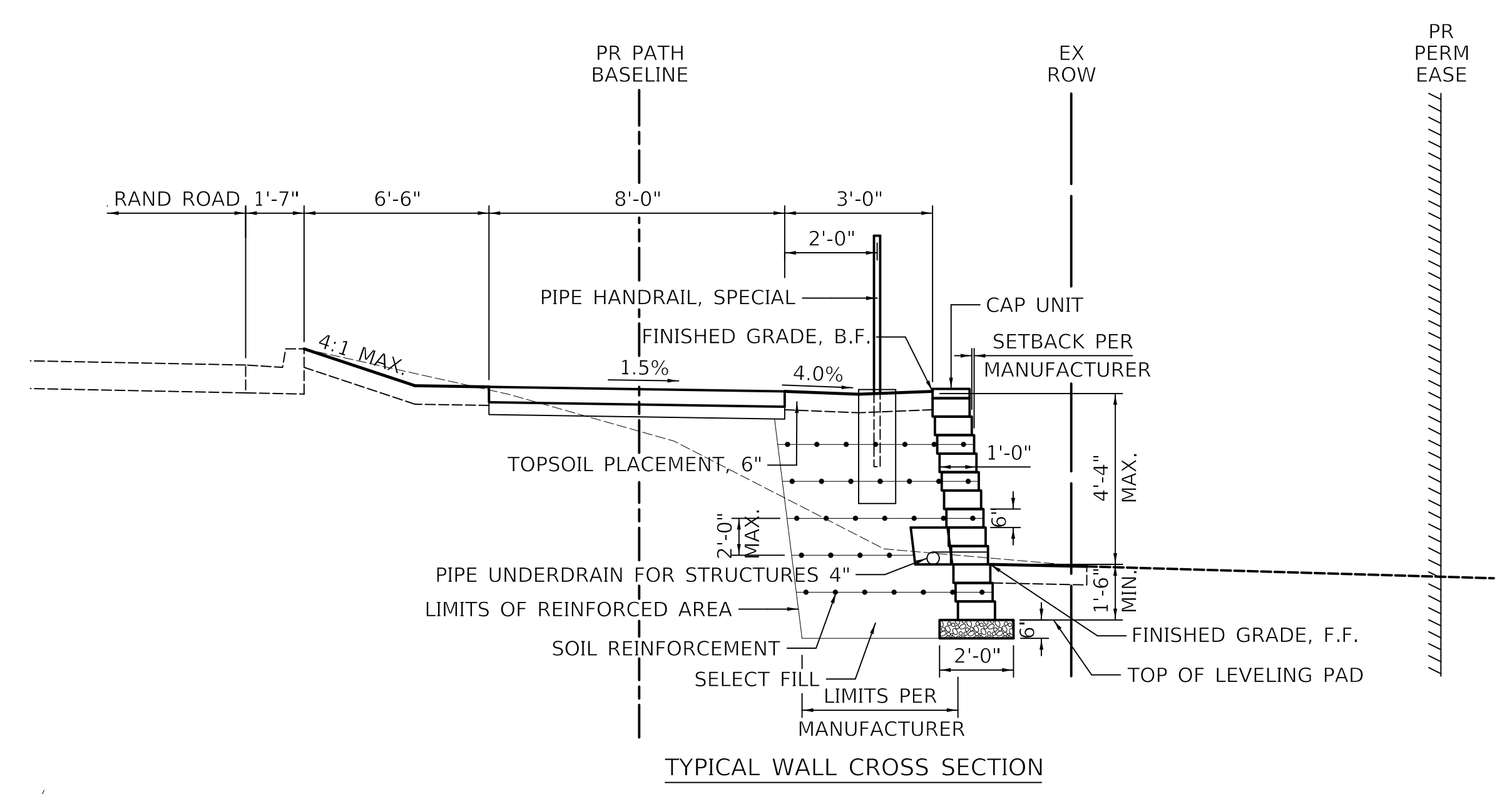
ELEVATION
(LOOKING AT FRONT FACE OF WALL)
F.F. = FRONT FACE
B.F. = BACK FACE

GENERAL NOTES

- DESIGN AND INSTALLATION OF SEGMENTAL CONCRETE BLOCK WALL (INCLUDING NEED FOR SOIL REINFORCEMENT) TO BE IN ACCORDANCE WITH WALL SYSTEM MANUFACTURER DESIGN REQUIREMENTS AND SPECIFICATIONS AND THE IDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, ADOPTED APRIL 1, 2016.
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- SOIL REINFORCEMENT TO BE CUT PERPENDICULAR TO WALL FACE AT CENTERLINE OF HANDRAIL FOUNDATIONS.
- MINIMUM REQUIRED ALLOWABLE BEARING PRESSURE = 1,500 PSF.

PIPE HANDRAIL, SPECIAL NOTES

- ALL POSTS AND RAILS SHALL BE FORMED FROM EXTRUDED 6063-T6 ALUMINUM OF 1.5" INSIDE DIAMETER SCHEDULE 40 PIPE SIZE (1.9" OUTSIDE DIAMETER).
 - ALL FASTENERS IN THE SYSTEM WILL BE STAINLESS STEEL.
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B. BASE PLATES FASTENED TO FOUNDATION WITH ANCHOR BOLTS*
- *DRILL AND SET 5/8" Ø ANCHOR RODS ACCORDING TO ARTICLE 509.06 OF THE STANDARD SPECIFICATIONS. EMBEDMENT SHALL BE ACCORDING TO THE MANUFACTURER'S SPECIFICATIONS.



* INCLUDED IN THE COST OF PIPE UNDERDRAINS FOR STRUCTURES 4"

PLAN
STATION AND OFFSETS ARE MEASURED FROM SHARED-USE PATH ALIGNMENT TO FRONT FACE OF THE SEGMENTAL CONCRETE BLOCK WALL

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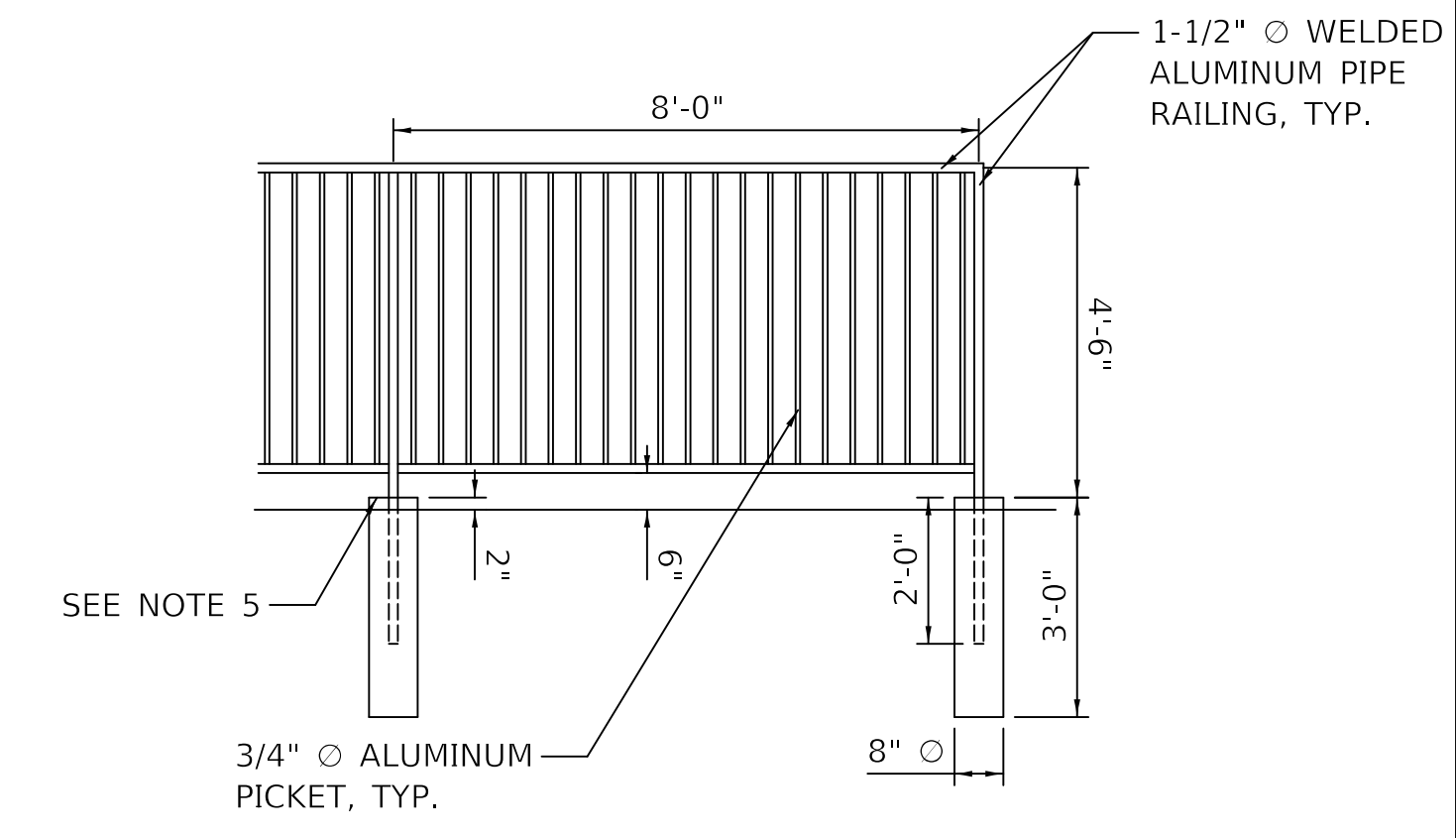
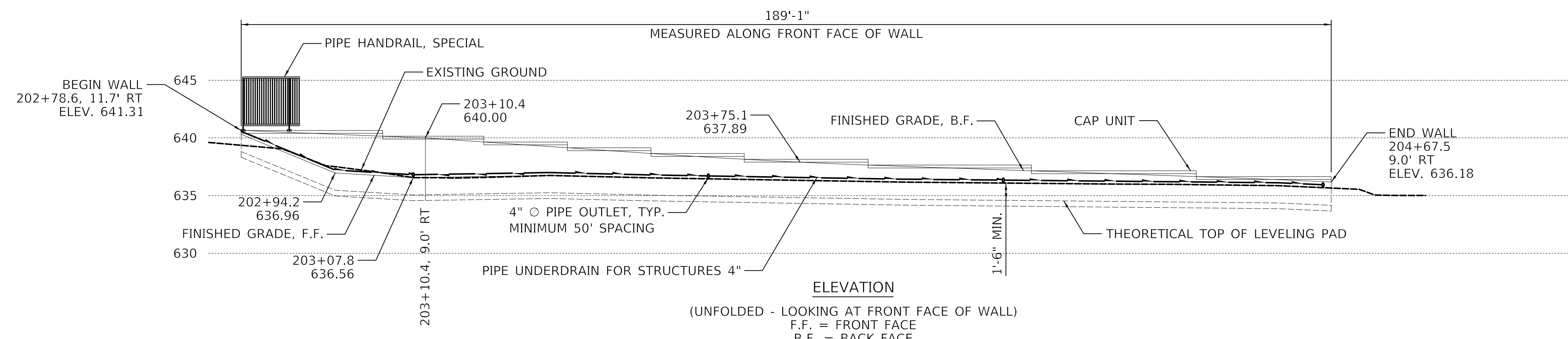
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL PLAN AND ELEVATION
WALL B
SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	14-00221-00-BT	COOK	156	82
CONTRACT NO. 61G57				
ILLINOIS FED. AID PROJECT				

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

DATE	
BY	
SURVEYED	
PLOTTED	
CHECKED	
B.M. NOTED	
STRUCTURE NOTATION CHKD	
NO.	



TOTAL BILL OF MATERIAL

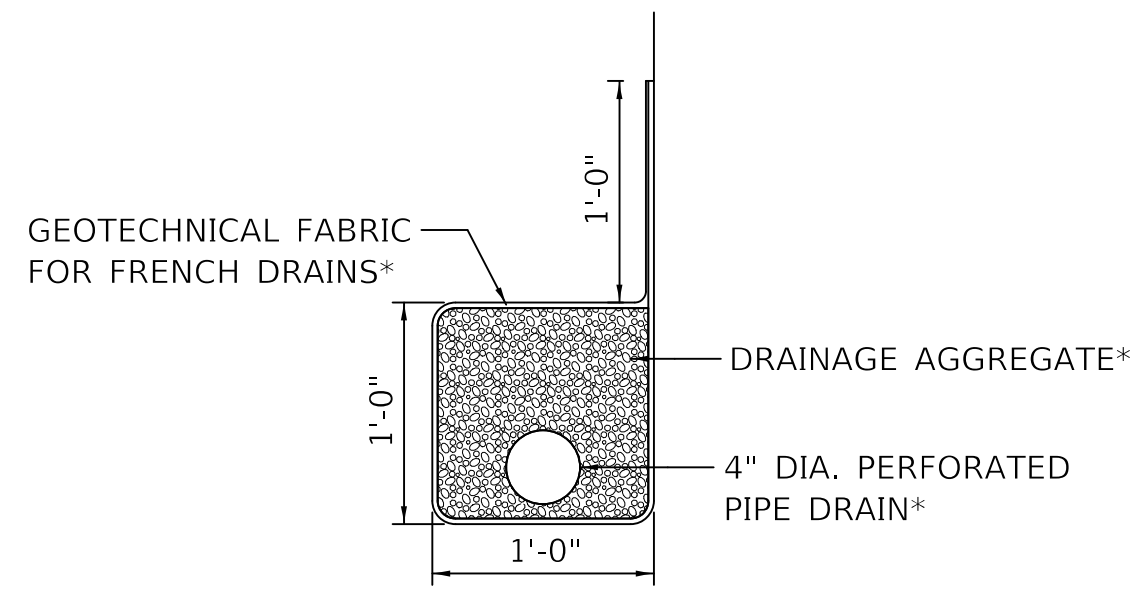
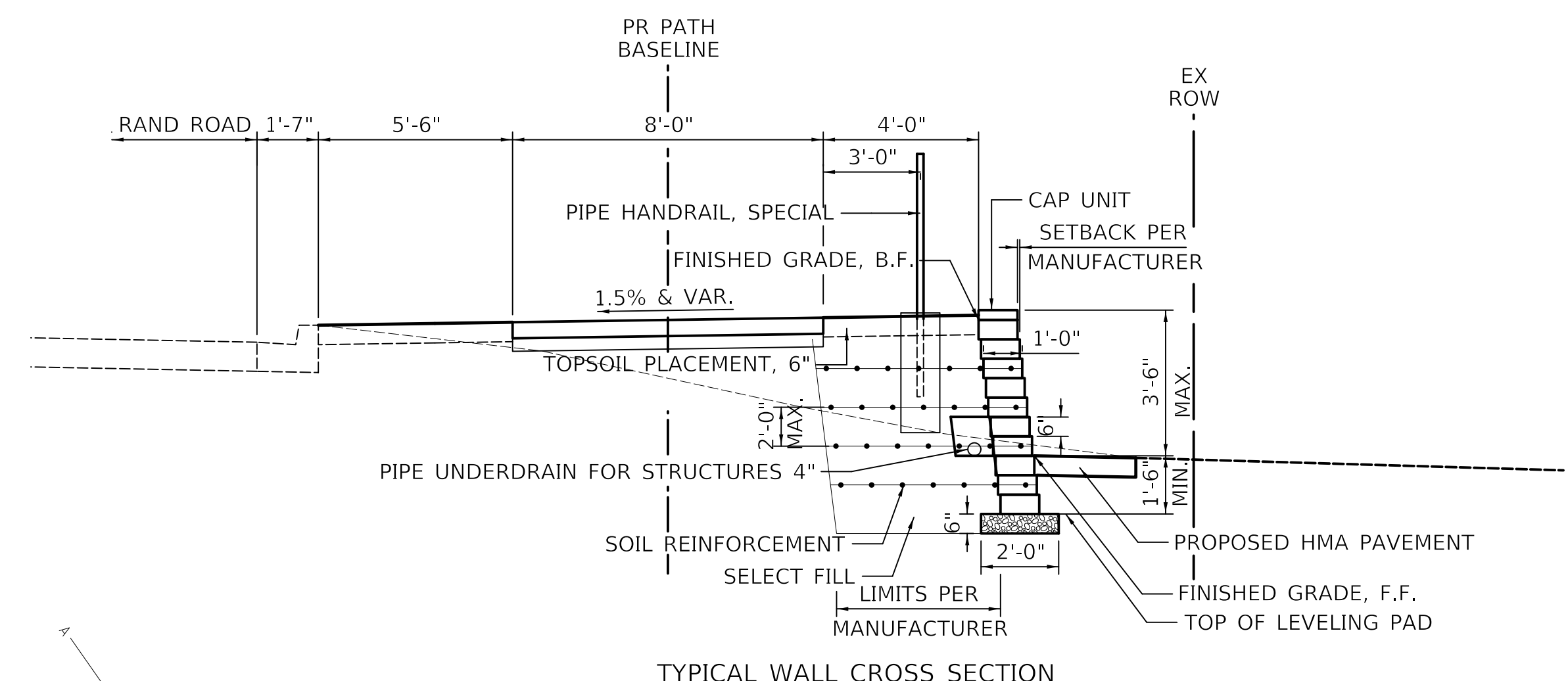
ITEM	UNIT	TOTAL
SEGMENTAL CONCRETE BLOCK WALL	SQ. FT.	612
PIPE UNDERDRAINS FOR STRUCTURES 4"	FOOT	189
PIPE HANDRAIL, SPECIAL	FOOT	198

GENERAL NOTES

- DESIGN AND INSTALLATION OF SEGMENTAL CONCRETE BLOCK WALL (INCLUDING NEED FOR SOIL REINFORCEMENT) TO BE IN ACCORDANCE WITH WALL SYSTEM MANUFACTURER DESIGN REQUIREMENTS AND SPECIFICATIONS AND THE IDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, ADOPTED APRIL 1, 2016.
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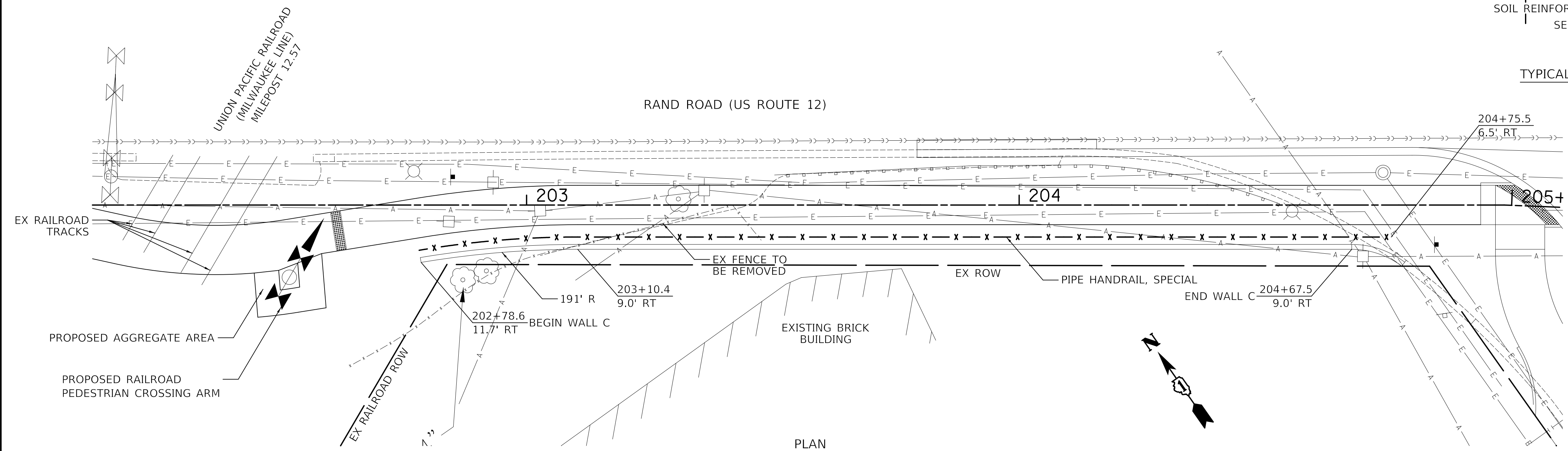
PIPE HANDRAIL, SPECIAL NOTES

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PIPE UNDERDRAIN DETAIL

* INCLUDED IN THE COST OF PIPE UNDERDRAINS FOR STRUCTURES 4"



STATION AND OFFSETS ARE MEASURED FROM SHARED-USE PATH ALIGNMENT TO FRONT FACE OF THE SEGEMENTAL CONCRETE BLOCK WALL



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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**GENERAL PLAN AND ELEVATION
WALL C**

SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	14-00221-00-BT	COOK	156	83
CONTRACT NO. 61G57				
ILLINOIS FED. AID PROJECT				

TRAFFIC SIGNAL LEGEND

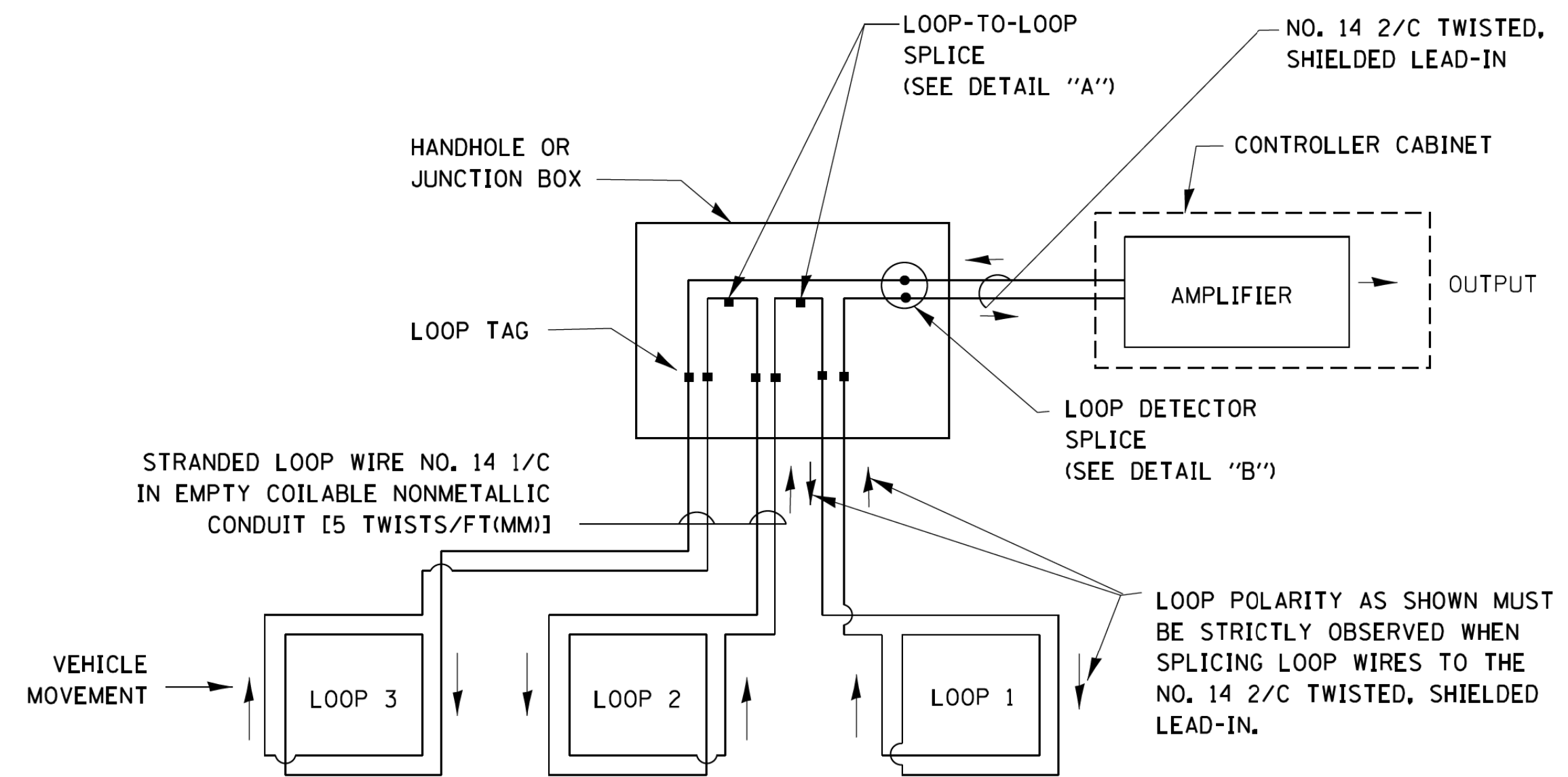
(NOT TO SCALE)

ITEM	EXISTING	PROPOSED	ITEM	EXISTING	PROPOSED	ITEM	EXISTING	PROPOSED
CONTROLLER CABINET			HANDHOLE -SQUARE -ROUND	 	 	SIGNAL HEAD -(P) PROGRAMMABLE SIGNAL HEAD		
COMMUNICATION CABINET			HEAVY DUTY HANDHOLE -SQUARE -ROUND	 	 	SIGNAL HEAD WITH BACKPLATE -(P) PROGRAMMABLE SIGNAL HEAD -(RB) RETROREFLECTIVE BACKPLATE		
MASTER CONTROLLER			DOUBLE HANDHOLE			PEDESTRIAN SIGNAL HEAD AT RAILROAD INTERSECTIONS		
MASTER MASTER CONTROLLER			JUNCTION BOX			PEDESTRIAN SIGNAL HEAD WITH COUNTDOWN TIMER		
UNINTERRUPTABLE POWER SUPPLY			RAILROAD CANTILEVER MAST ARM			ILLUMINATED SIGN "NO LEFT TURN"/"NO RIGHT TURN"		
SERVICE INSTALLATION -(P) POLE MOUNTED			RAILROAD FLASHING SIGNAL			NUMBER OF CONDUCTORS, ELECTRIC CABLE NO. 14, UNLESS NOTED OTHERWISE. ALL DETECTOR LOOP CABLE TO BE SHIELDED		
SERVICE INSTALLATION -(G) GROUND MOUNTED -(GM) GROUND MOUNTED METERED	 	 	RAILROAD CROSSING GATE			GROUND CABLE IN CONDUIT, NO. 6 SOLID COPPER (GREEN)		
TELEPHONE CONNECTION			RAILROAD CROSSBUCK			ELECTRIC CABLE IN CONDUIT, TRACER NO. 14 1/C		
STEEL MAST ARM ASSEMBLY AND POLE			RAILROAD CONTROLLER CABINET			COAXIAL CABLE		
ALUMINUM MAST ARM ASSEMBLY AND POLE			UNDERGROUND CONDUIT (UC), GALVANIZED STEEL			VENDOR CABLE		
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH LUMINAIRE			TEMPORARY SPAN WIRE, TETHER WIRE, AND CABLE			COPPER INTERCONNECT CABLE, NO. 18, 3 PAIR TWISTED, SHIELDED		
SIGNAL POST -(BM) BARREL MOUNTED - TEMPORARY			SYSTEM ITEM	S	SP	FIBER OPTIC CABLE -NO. 62.5/125, MM12F -NO. 62.5/125, MM12F SM12F -NO. 62.5/125, MM12F SM24F		
WOOD POLE			INTERSECTION ITEM	I	IP	GROUND ROD -(C) CONTROLLER -(M) MAST ARM -(P) POST -(S) SERVICE		
GUY WIRE			REMOVE ITEM		R			
SIGNAL HEAD			RELOCATE ITEM		RL			
SIGNAL HEAD WITH BACKPLATE			ABANDON ITEM		A			
SIGNAL HEAD OPTICALLY PROGRAMMED			CONTROLLER CABINET AND FOUNDATION TO BE REMOVED		RCF			
FLASHER INSTALLATION -(FS) SOLAR POWERED	 	 	MAST ARM POLE AND FOUNDATION TO BE REMOVED		RMF			
PEDESTRIAN SIGNAL HEAD			SIGNAL POST AND FOUNDATION TO BE REMOVED		RPF			
PEDESTRIAN PUSH BUTTON -(APS) ACCESSIBLE PEDESTRIAN PUSH BUTTON			DETECTOR LOOP, TYPE I					
RADAR DETECTION SENSOR			PREFORMED DETECTOR LOOP					
VIDEO DETECTION CAMERA			SAMPLING (SYSTEM) DETECTOR					
RADAR/VIDEO DETECTION ZONE			INTERSECTION AND SAMPLING (SYSTEM) DETECTOR					
PAN, TILT, ZOOM (PTZ) CAMERA			QUEUE AND SAMPLING (SYSTEM) DETECTOR					
EMERGENCY VEHICLE LIGHT DETECTOR			WIRELESS DETECTOR SENSOR					
CONFIRMATION BEACON			WIRELESS ACCESS POINT					
WIRELESS INTERCONNECT								
WIRELESS INTERCONNECT RADIO REPEATER								

FILE NAME = ts05.dgn	USER NAME = luyaa	DESIGNED - IP	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS	F.A.P. RTE. 334	SECTION 14-00221-00-BT	COUNTY COOK	TOTAL SHEETS 156	SHEET NO. 84		
Default	PLOT SCALE = 50.0000' / 1" /	CHECKED - LP	REVISED -			SCALE: NONE	SHEET 1 OF 7 SHEETS	STA. TO STA.	TS-05			
	PLOT DATE = 9/29/2016	DATE - 9/29/2016	REVISED -			CONTRACT NO. XXXXX						
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT												

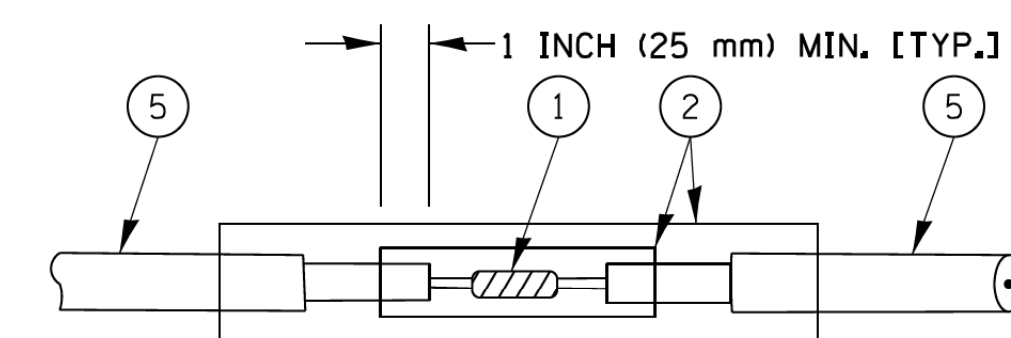
LOOP DETECTOR NOTES

1. EACH PAIR OF LOOP WIRES SHALL BE PLACED IN A SEPARATE EMPTY COILABLE NONMETALLIC CONDUIT FROM THE EDGE OF PAVEMENT TO THE HANDHOLE. SPACING BETWEEN THE HOLES DRILLED IN THE PAVEMENT SHALL NOT BE LESS THAN 6" (150 mm). EMPTY COILABLE NONMETALLIC CONDUIT SHALL BE INCLUDED IN THE COST OF THE LOOP WIRE.
2. THE NUMBER OF LOOP TURNS SHALL BE AS RECOMMENDED BY THE AMPLIFIER MANUFACTURER. ALL ADJACENT SIDES OF THE LOOPS SHALL BE INSTALLED IN SUCH A WAY THAT THE CURRENT FLOW IS IN THE SAME DIRECTION TO REINFORCE ITS MAGNETIC FIELDS FOR SMALL VEHICLE DETECTION.
3. EACH LOOP LEAD-IN SHALL BE IDENTIFIED AND PERMANENTLY TAGGED IN THE HANDHOLE. EACH LEAD-IN CABLE TAG SHALL INDICATE THE LOCATION OF THE LOOP, LOOP ROTATION (CLOCKWISE/COUNTERCLOCKWISE), LOOP LEAD-IN DIRECTION (IN OR OUT), LOOP CABLE NUMBER AND LOCATION IN CABINET, AND NUMBER OF TURNS IN THE DETECTOR LOOPS IN WATER PROOF INK AS INDICATED ON THE DISTRICT 1 STANDARD TRAFFIC SIGNAL DESIGN DETAIL. THE CONTRACTOR SHALL MARK LOOP LOCATIONS ON RECORD DRAWINGS AND PRESENT TO THE ENGINEER AFTER FINAL INSPECTION. LOOPS SHALL BE MARKED BY LANE AND LOOP NUMBER. SEE DETAIL BELOW.
4. ALL LOOP CABLE SHALL BE FASTENED WITH PLASTIC TIE WRAP TO THE HANDHOLE HOOKS.
5. IN ASPHALT PAVEMENT, LOOPS SHOULD BE PLACED IN THE BINDER AND DIVEHOLES MARKED AT THE CURB WITH A SAW-CUT. THE SAW-CUT SHALL BE CUT IN ACCORDANCE WITH LOCAL AND E.P.A. DUST CONTROL REQUIREMENTS. DETECTOR LOOP(S) SHALL NOT BE INSTALLED IN WET CONDITIONS AND THE SAW-CUTS MUST BE FREE OF DEBRIS AND RESIDUE SUCH AS DUST AND WATER WHICH IS TO BE ACHIEVED BY THE USE OF COMPRESSED AIR, WIRE BRUSHING AND HEAT DRYING ACCORDING TO SEALANT MANUFACTURER REQUIREMENTS. THE DETECTOR WIRE SHALL BE HELD IN PLACE BY THE USE OF FORM WEDGES. WEDGES SHALL BE SPACED NO MORE THAN 18" (450 mm) APART.
6. LOOP SPLICES SHALL BE SOLDERED USING A SOLDERING IRON. BLOW TORCHES OR OTHER DEVICES WHICH OXIDIZE COPPER CABLE SHALL NOT BE ALLOWED FOR SOLDERING OPERATIONS. SEE DETAIL BELOW RIGHT.
7. PREFORMED DETECTOR LOOPS SHALL BE USED, AS SHOWN ON THE PLANS, WHERE NEW CONCRETE PAVEMENT IS PROPOSED. THE INSTALLATION OF PREFORMED LOOPS SHALL BE IN ACCORDANCE WITH THE DISTRICT 1 SPECIFICATIONS OR AS DIRECTED BY THE ENGINEER.

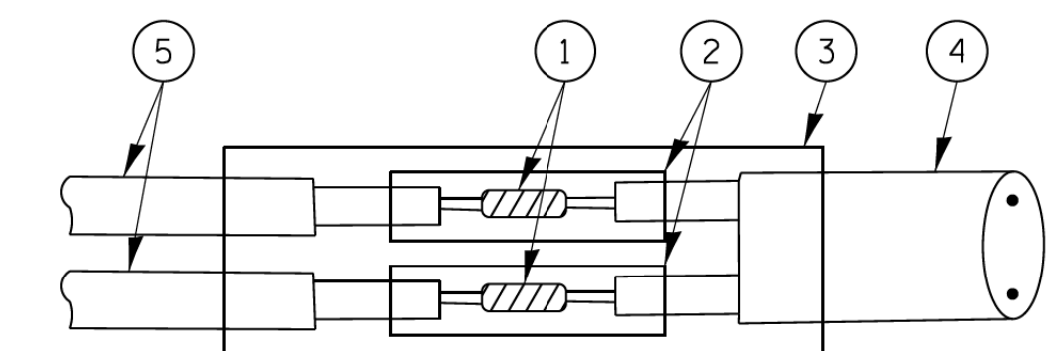


DETECTOR LOOP WIRING SCHEMATIC

- LOOPS SHALL BE SPLICED IN SERIES.
- SAW-CUTS SHALL BE A MINIMUM WIDTH OF 5/16" (8 mm).
- SAW-CUT DEPTHS SHALL BE 3" (75 mm). IF IN CONCRETE, THE SAW-CUT DEPTH SHALL BE TO THE TOP OF THE REINFORCEMENT.
- LOOP CORNERS SHALL BE DRILLED WITH A 2" (50 mm) DIAMETER CORE.



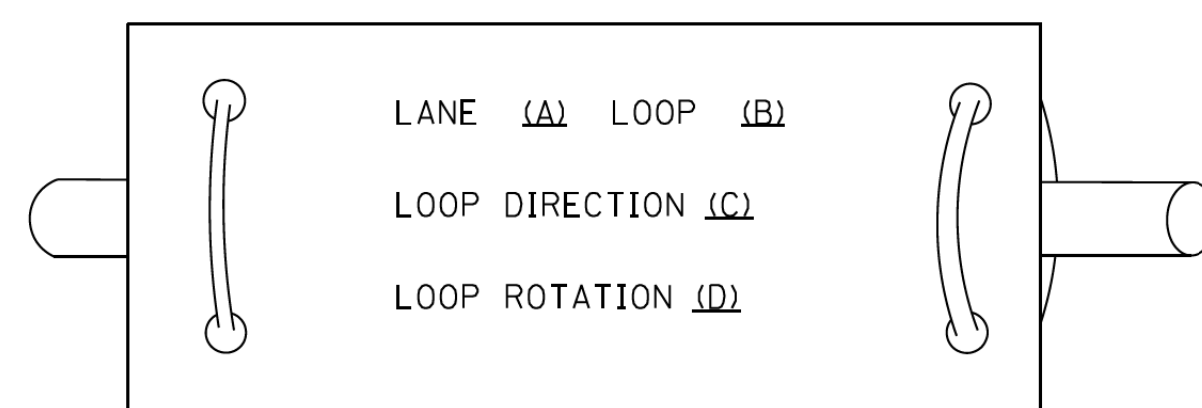
DETAIL "A"
LOOP-TO-LOOP SPLICE



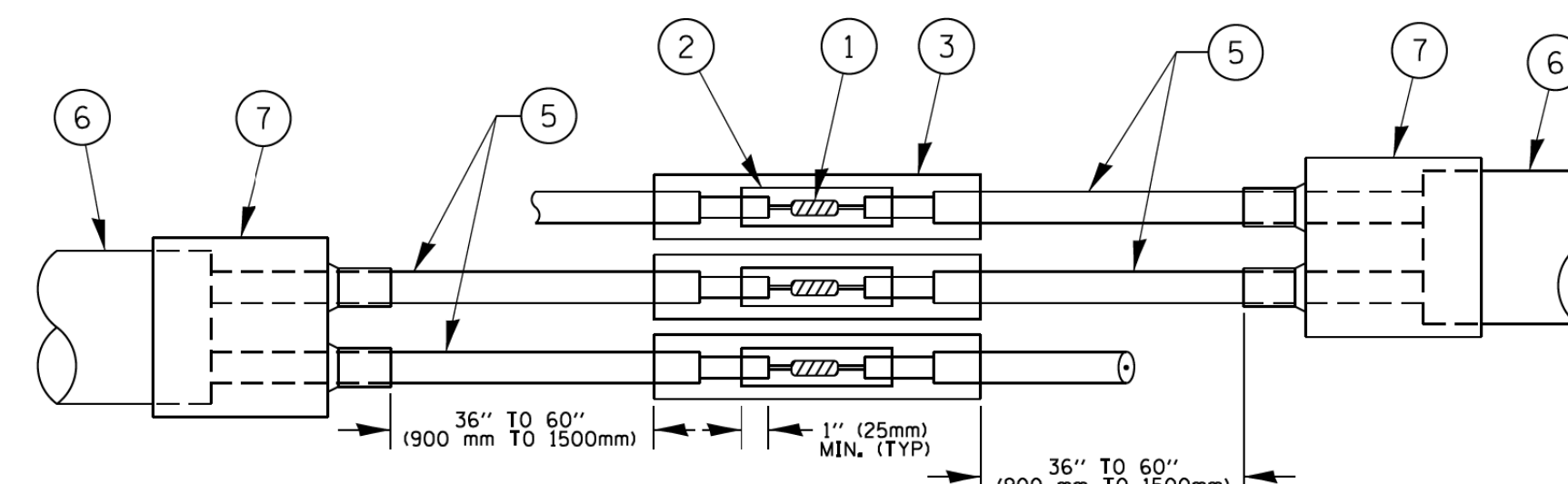
DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

TYPE I LOOP

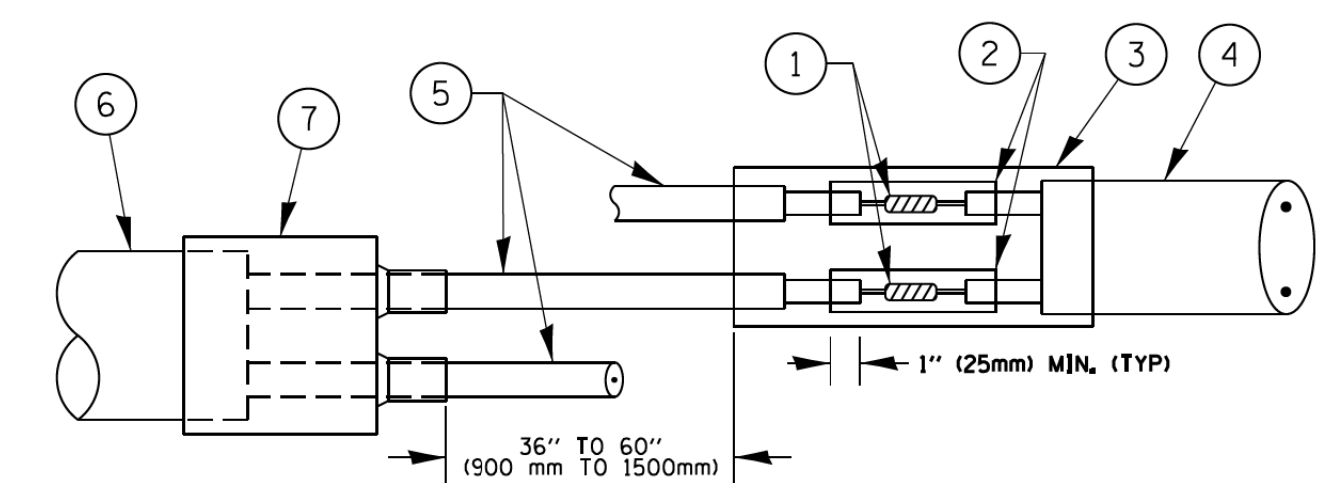
LOOP LEAD-IN CABLE TAG



- A. LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY
- B. LOOP #1 IS THE LOOP IN THE LANE CLOSEST TO THE INTERSECTION.
- C. LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".
- D. LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.



DETAIL "A"
LOOP-TO-LOOP SPLICE



DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

PREFORMED LOOP

LOOP DETECTOR SPLICE

- ① WESTERN UNION SPLICE SOLDERED WITH ROSIN CORE FLUX. ALL EXPOSED SURFACES OF THE SOLDER SHALL BE SMOOTH. THE WESTERN UNION SPLICES SHALL BE STAGGERED.
- ② WCSMW 30/100 HEAT SHRINK TUBE, MINIMUM LENGTH 3" (75 mm), UNDERWATER GRADE.
- ③ WCS 200/750 HEAT SHRINK TUBE, MINIMUM LENGTH 6" (150 mm), UNDERWATER GRADE.
- ④ NO. 14 2/C TWISTED, SHIELDED CABLE.
- ⑤ LOOP CONDUCTOR WITH FLEXIBLE PLASTIC TUBE.
- ⑥ PREFORMED LOOP
- ⑦ XL POLYOLEFIN 2 CONDUCTOR BREAKOUT SEALS, TYCO CBR-2 OR APPROVED EQUAL

FILE NAME =	USER NAME = footemj	DESIGNED - DAD	REVISED - DAG 1-1-14
ca:\pwork\pwork\footemj\d0108315\ts05.dgn		DRAWN - BCK	REVISED -
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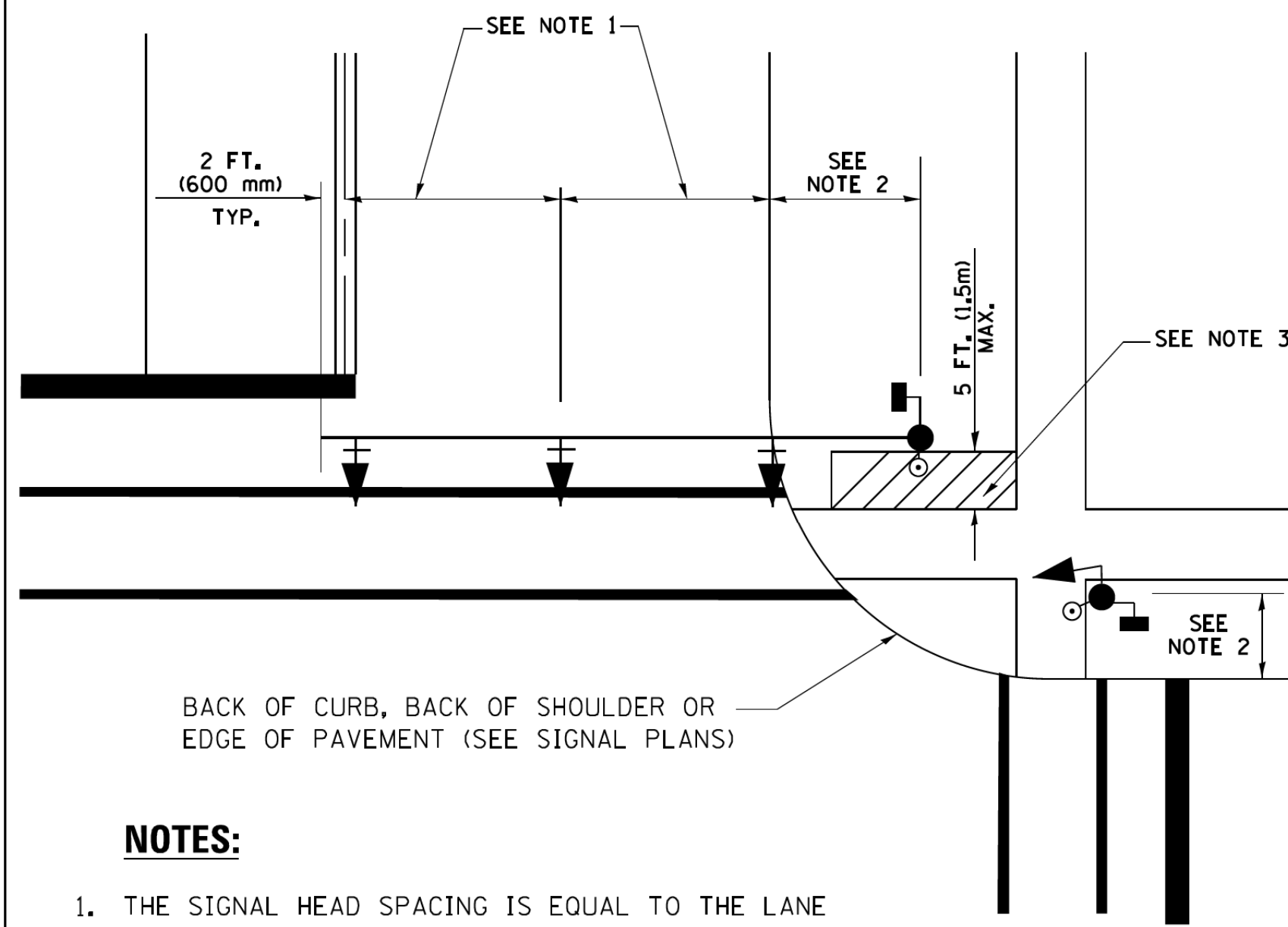
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

SCALE: NONE SHEET NO. 2 OF 7 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	14-00221-00-BT	COOK	156	85
TS-05		CONTRACT NO. XXXXX		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

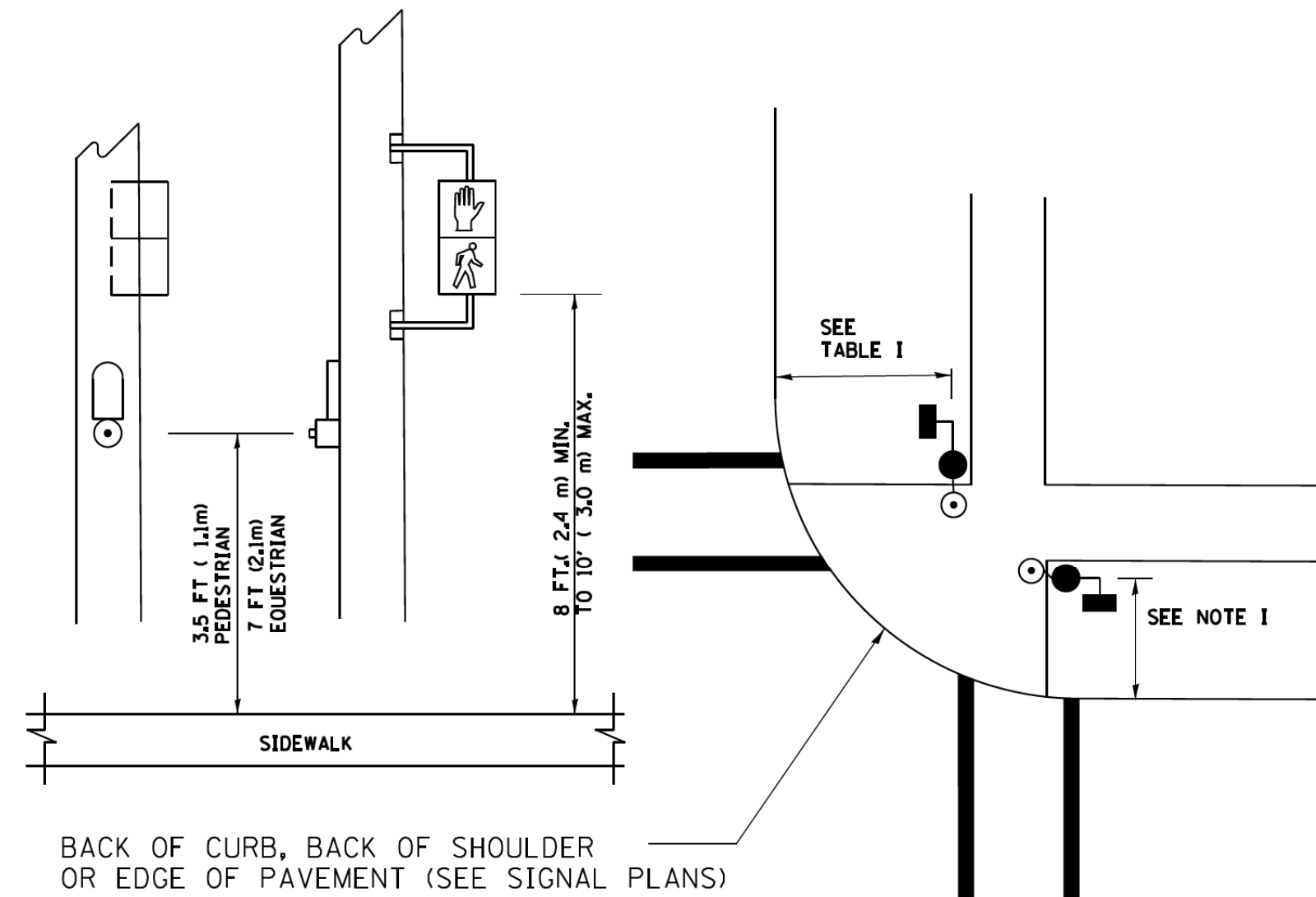
**TRAFFIC SIGNAL MAST ARM AND SIGNAL POST
MAST ARM MOUNTED SIGNALS IN EXISTING, PROPOSED OR
FUTURE SIDEWALK/BICYCLE PATH AREA. INTERSECTION SHOWN
WITH PEDESTRIAN SIGNALS AND PEDESTRIAN PUSHBUTTON DETECTORS.**



NOTES:

1. THE SIGNAL HEAD SPACING IS EQUAL TO THE LANE WIDTH OR AS SHOWN ON THE TRAFFIC SIGNAL PLAN.
2. REFER TO THE TRAFFIC SIGNAL EQUIPMENT OFFSET TABLE.
3. PROVIDE A LEVEL ALL-WEATHER SURFACE (CONCRETE SIDEWALK, ASPHALT BICYCLE PATH SURFACE OR MATCHING MATERIAL TO THE ADJACENT SURFACE) UP TO THE MAST ARM SHAFT OR THE SIGNAL POST.
4. THE FACE OF THE PEDESTRIAN PUSHBUTTON SHALL BE PARALLEL TO THE CROSSWALK TO BE USED.
5. THE LOCATIONS AND INSTALLATION OF PEDESTRIAN SIGNAL HEADS AND PEDESTRIAN PUSHBUTTONS SHALL MEET THE REQUIREMENTS OF THE MUTCD AND INFORMATION FOUND IN THE "AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES FOR BUILDINGS AND FACILITIES."

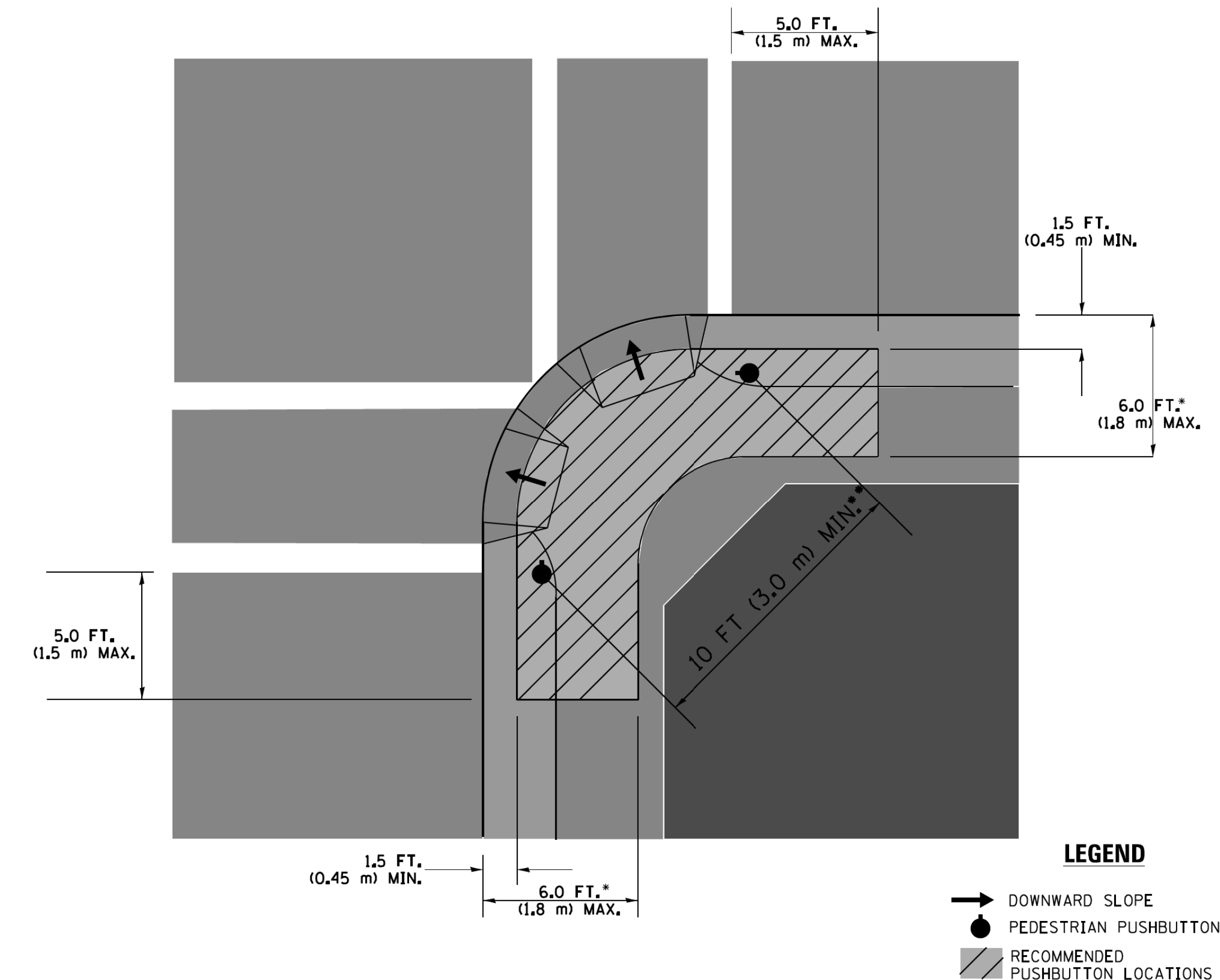
**PEDESTRIAN SIGNAL POST
AND
PEDESTRIAN PUSH BUTTON POST**



NOTES:

1. REFER TO THE TRAFFIC SIGNAL EQUIPMENT OFFSET TABLE.
2. PROVIDE A LEVEL ALL-WEATHER SURFACE (CONCRETE SIDEWALK, ASPHALT BICYCLE PATH SURFACE OR MATCHING MATERIAL TO THE ADJACENT SURFACE) UP TO THE PEDESTRIAN SIGNAL POST OR THE PEDESTRIAN PUSH BUTTON POST.
3. THE FACE OF THE PEDESTRIAN PUSHBUTTON SHALL BE PARALLEL TO THE CROSSWALK TO BE USED.
4. THE LOCATIONS AND INSTALLATION OF PEDESTRIAN SIGNAL HEADS AND PEDESTRIAN PUSHBUTTONS SHALL MEET THE REQUIREMENTS OF THE MUTCD AND INFORMATION FOUND IN THE "AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES FOR BUILDINGS AND FACILITIES."

RECOMMENDED PUSHBUTTON LOCATIONS



- WHERE THERE ARE CONSTRAINTS THAT MAKE IT IMPRACTICAL TO PLACE THE PEDESTRIAN PUSHBUTTON BETWEEN 1.5 FT (0.45 m) AND 6 FT (1.8 m) FROM THE EDGE OF THE CURB, SHOULDER, OR PAVEMENT, IT SHOULD NOT BE FURTHER THAN 10 FT (3 m) FROM THE EDGE OF CURB, SHOULDER, OR PAVEMENT.
- WHERE THERE ARE CONSTRAINTS ON A PARTICULAR CORNER THAT MAKE IT IMPRACTICAL TO PROVIDE THE 10 FT (3 m) SEPARATION BETWEEN THE TWO PEDESTRIAN PUSHBUTTONS, THE PUSHBUTTONS MAY BE PLACED CLOSER TOGETHER OR ON THE SAME POLE.

NOTES:

1. PEDESTRIAN SIGNAL HEADS SHALL BE MOUNTED WITH THE BOTTOM OF THE SIGNAL HOUSING INCLUDING BRACKETS NOT LESS THAN 8 FT (2.4 m) OR MORE THAN 10 FT (3 m) ABOVE SIDEWALK LEVEL, AND SHALL BE POSITIONED AND ADJUSTED TO PROVIDE MAXIMUM VISIBILITY AT THE BEGINNING OF THE CONTROLLED CROSSWALK.
2. THE BOTTOM OF THE SIGNAL HOUSING (INCLUDING BRACKETS) OF A VEHICULAR SIGNAL FACE THAT IS NOT LOCATED OVER A HIGHWAY SHALL BE AT LEAST 8 FT (2.4 m) BUT NOT MORE THAN 19 FT (5.8 m) ABOVE THE SIDEWALK OR, IF THERE IS NO SIDEWALK, ABOVE THE PAVEMENT GRADE AT THE CENTER OF THE ROADWAY.
3. THE BOTTOM OF THE SIGNAL HOUSING AND ANY RELATED ATTACHMENTS TO A SIGNAL FACE LOCATED OVER ANY PORTION OF A HIGHWAY SHALL BE ACCORDING TO CURRENT STATE STANDARDS 877001, 877002, 877006, 877011 AND 877012 WITH A MINIMUM OF 16 FT (5.0 m) AND A MAXIMUM OF 18 FT. (5.5 m) FROM THE HIGHEST POINT OF PAVEMENT.
4. THE BOTTOM OF THE TEMPORARY SPAN WIRE MOUNTED SIGNAL HOUSING AND ANY RELATED ATTACHMENTS TO A SIGNAL FACE LOCATED OVER ANY PORTION OF A HIGHWAY SHALL BE ACCORDING TO CURRENT STATE STANDARD 880001 WITH A MINIMUM OF 17 FT (5.18 m) FROM THE HIGHEST POINT OF PAVEMENT.
5. THE TOP OF THE SIGNAL HOUSING OF A SIGNAL FACE LOCATED OVER ANY PORTION OF A HIGHWAY SHALL NOT BE MORE THAN 25.6 FT (7.8 m) ABOVE THE PAVEMENT.

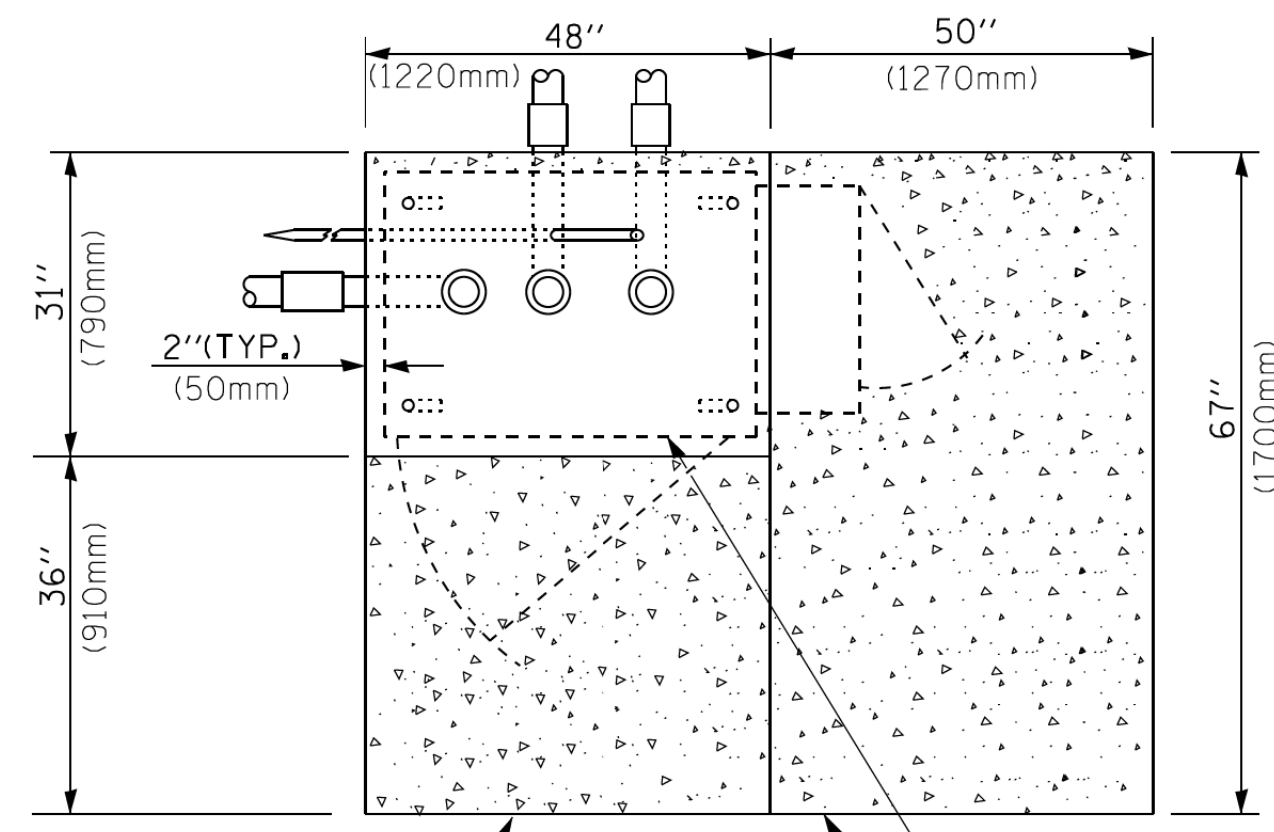
TRAFFIC SIGNAL EQUIPMENT OFFSET

TRAFFIC SIGNAL EQUIPMENT	COMBINATION CONCRETE CURB AND GUTTER (MINIMUM DISTANCE FROM BACK OF CURB TO CENTERLINE OF FOUNDATION)	SHOULDER/NON-CURBED AREA (MINIMUM DISTANCE FROM EDGE OF PAVEMENT TO CENTERLINE OF FOUNDATION)
TRAFFIC SIGNAL MAST ARM POLE	6 FT (1.8m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
TRAFFIC SIGNAL POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
PEDESTRIAN SIGNAL POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
PEDESTRIAN PUSHBUTTON POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
TEMPORARY WOOD POLE	6 FT (1.8m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
CONTROLLER CABINET	6 FT (1.8m) MINIMUM DISTANCE SEE NOTE 2	SHOULDER WIDTH + 6 FT (1.8m), MINIMUM 16 FT (4.9m) SEE NOTE 3.
SERVICE INSTALLATION, GROUND MOUNT	6 FT (1.8m) MINIMUM DISTANCE SEE NOTE 2	SHOULDER WIDTH + 6 FT (1.8m), MINIMUM 16 FT (4.9m) SEE NOTE 3.

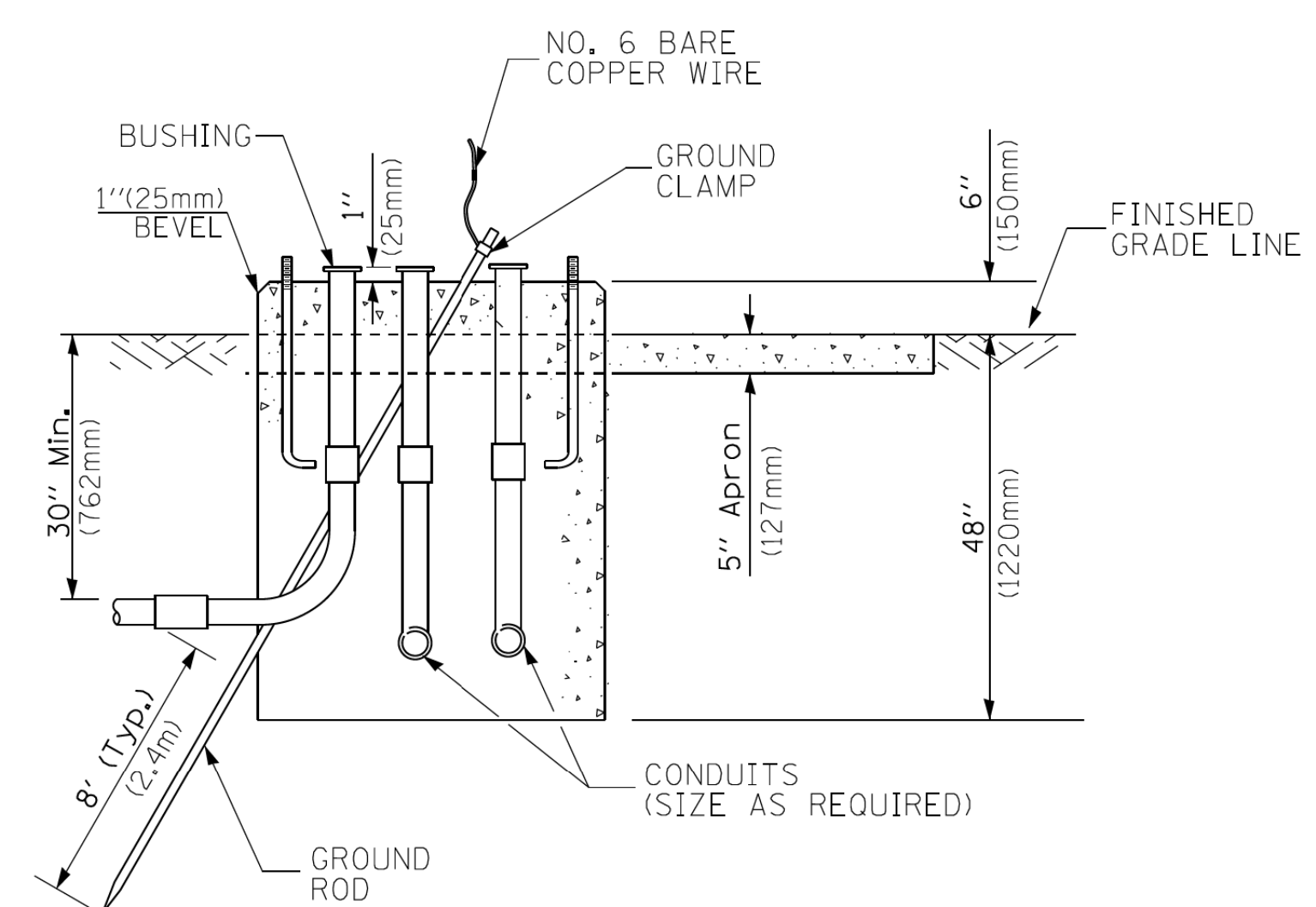
NOTES:

1. CONTACT THE "AREA TRAFFIC SIGNAL MAINTENANCE AND OPERATIONS ENGINEER" FOR ASSISTANCE IN LOCATING THE TRAFFIC SIGNAL EQUIPMENT WHEN THERE ARE CONFLICTS WITH DITCHES OR THE MINIMUM OFFSET DISTANCES CANNOT BE MET.
2. MINIMUM DISTANCE FROM THE BACK OF CURB TO THE ROADWAY SIDE OF THE FOUNDATION.
3. MINIMUM DISTANCE FROM THE EDGE OF PAVEMENT TO THE ROADWAY SIDE OF THE FOUNDATION.
4. ANY CHANGES TO THE OFFSETS OF THE FOUNDATIONS, FROM THE MINIMUM DISTANCES LISTED IN THE "TRAFFIC SIGNAL EQUIPMENT OFFSET" CHART AND THE TRAFFIC SIGNAL INSTALLATION PLAN, COULD EFFECT THE PLACEMENT OF THE SIGNAL HEADS, PEDESTRIAN SIGNAL HEADS AND THE PEDESTRIAN PUSHBUTTONS. THE SIGNAL HEAD PLACEMENT ON THE MAST ARMS SHALL REMAIN AS PER THE TRAFFIC SIGNAL INSTALLATION PLAN AND THE "TRAFFIC SIGNAL MAST ARM AND SIGNAL POST" DETAIL ABOVE. THE PROPOSED MAST ARM LENGTHS MAY NEED TO BE REVISED TO MEET THE ABOVE REQUIREMENTS. THE PEDESTRIAN SIGNAL HEADS AND PEDESTRIAN PUSHBUTTONS MUST MEET THE REQUIREMENTS UNDER THE DETAILS ON THIS SHEET.

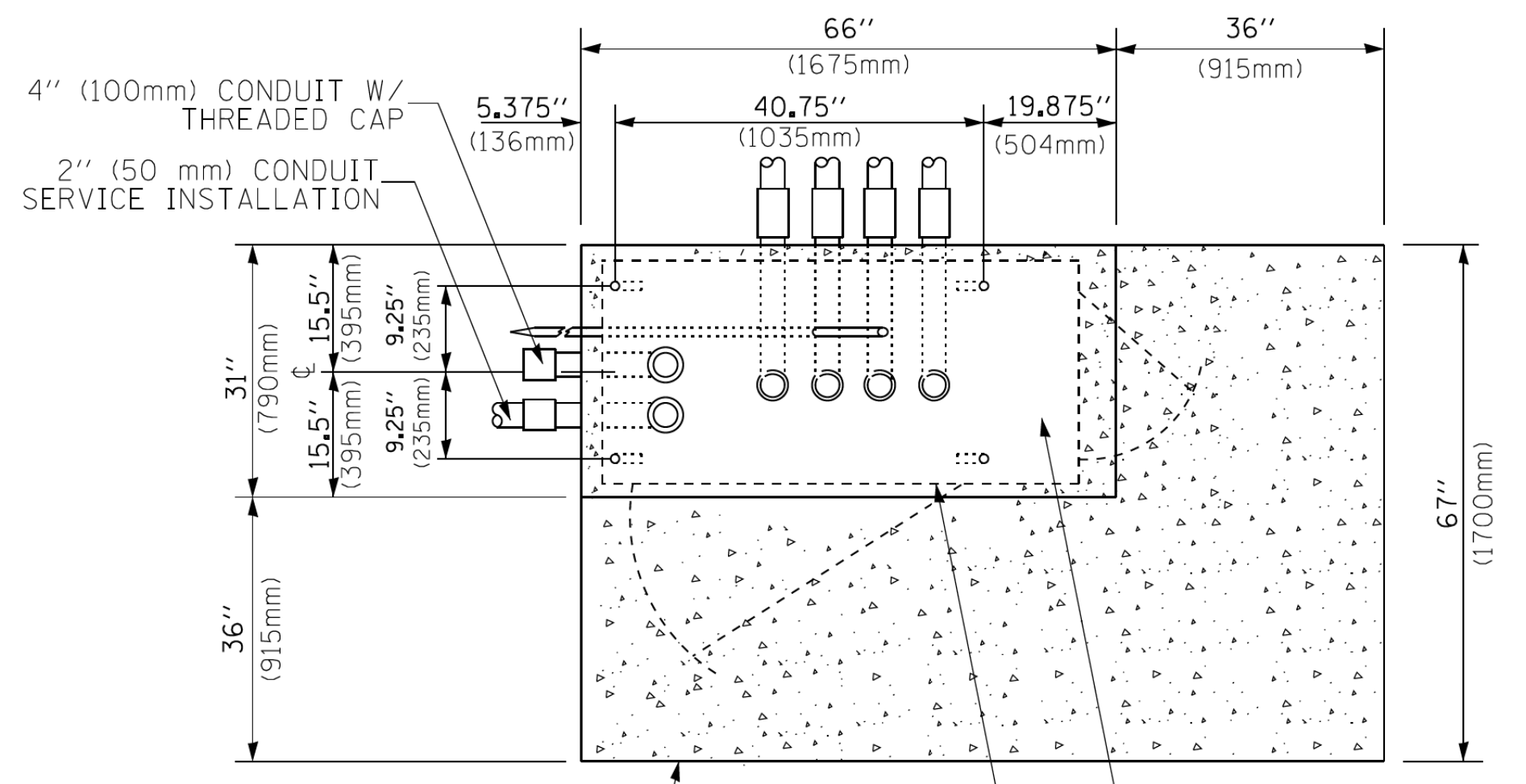
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PLOT DATE = 1/13/2014	DATE - 10-28-09	REVISED -	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT							
				SCALE: NONE	SHEET NO. 3 OF 7 SHEETS	STA.	TO STA.			



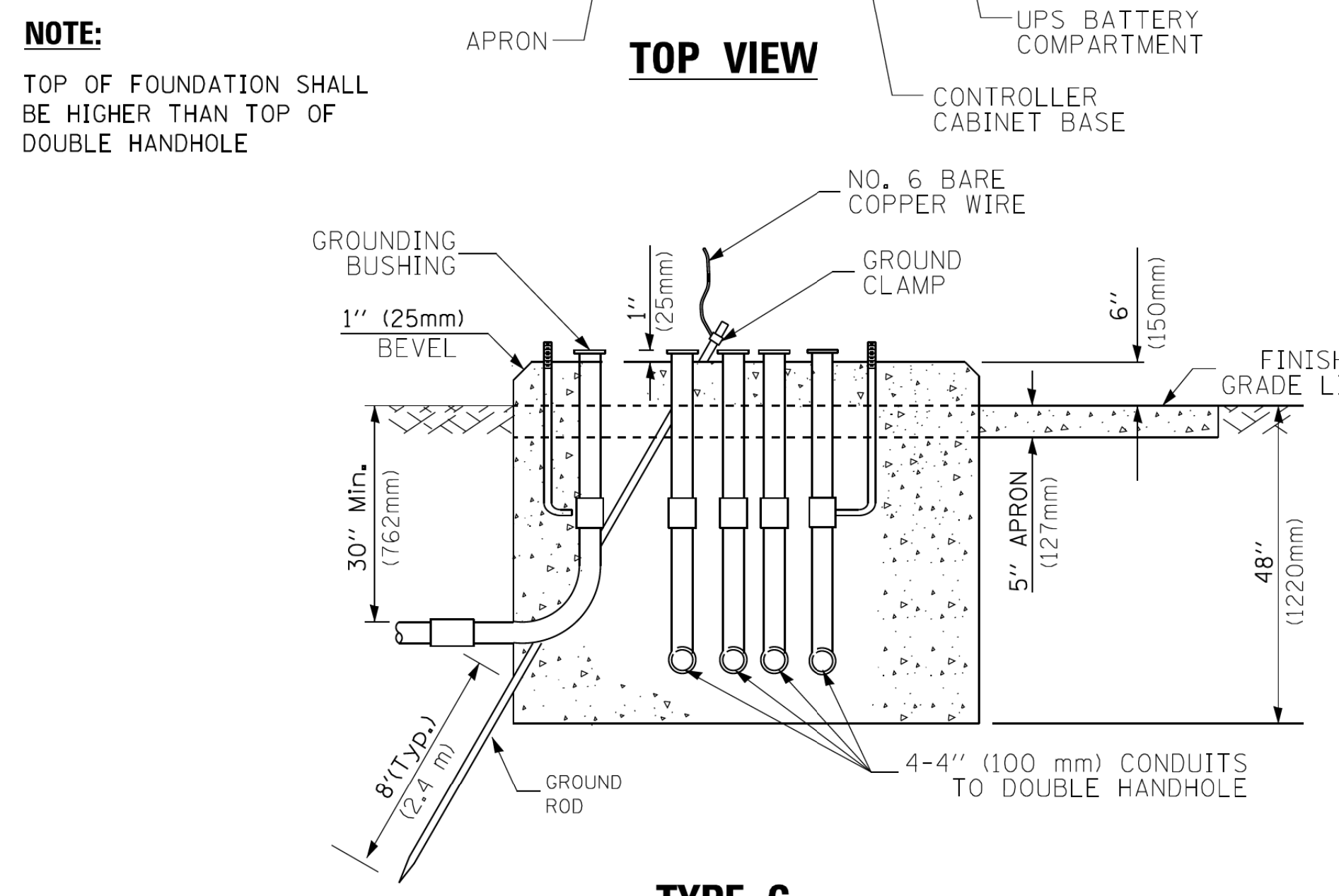
TOP VIEW



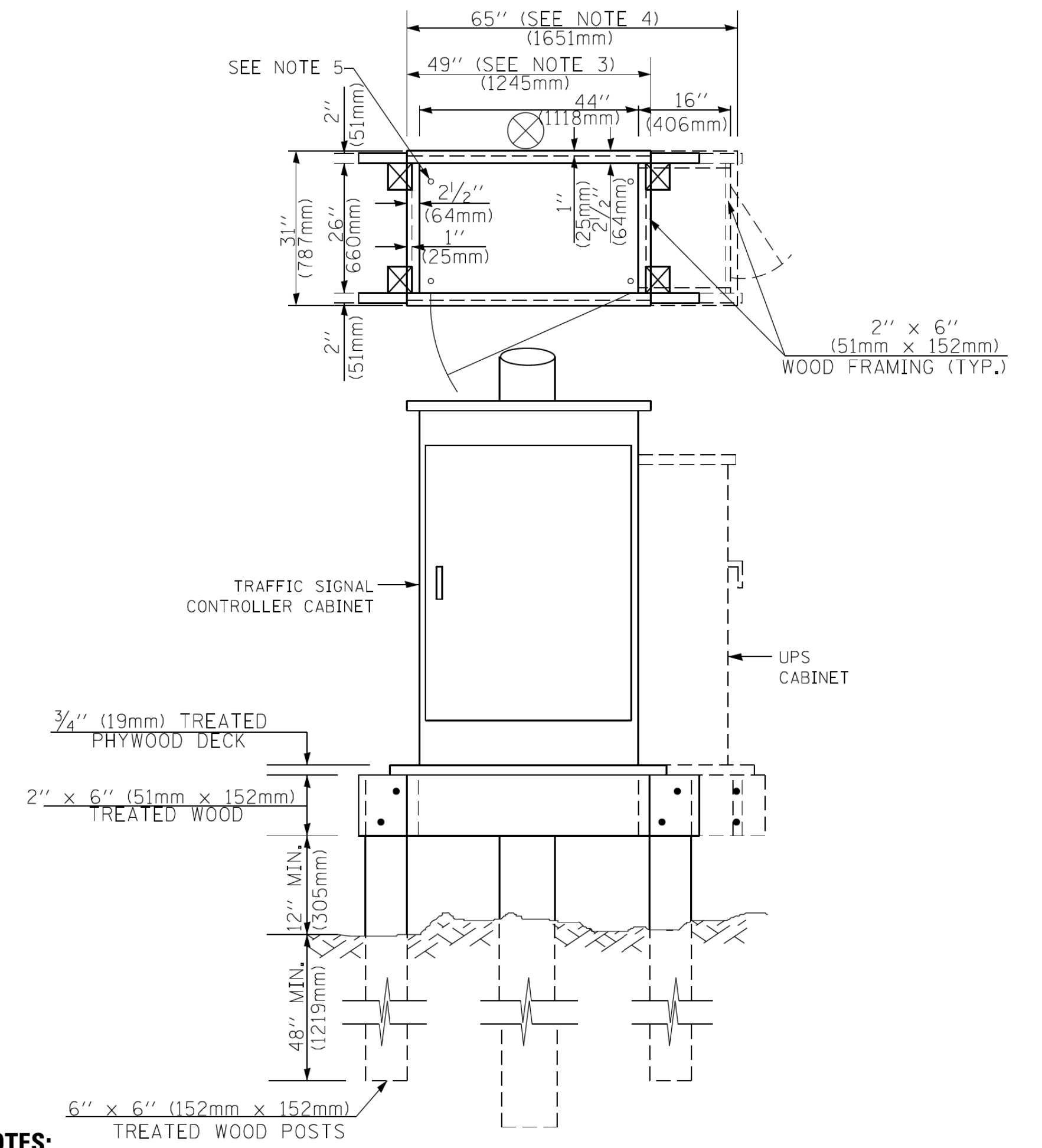
**TYPE D
FOR GROUND MOUNTED
CONTROLLER CABINET
AND UPS BATTERY CABINET**



TOP VIEW



**TYPE C
FOR GROUND MOUNTED
SUPER P (TYPE IV) AND SUPER R (TYPE V)
CONTROLLER CABINETS**



NOTES:

1. BASED ON CONTROLLER CABINET TYPE IV WITH BASE DIMENSIONS OF 26" x 44" (660mm x 1118mm). ADJUST PLATFORM SIZE TO FIT CABINET BASE DIMENSIONS BEING SUPPLIED.
2. BASED ON UNINTERRUPTIBLE POWER SUPPLY CABINET WITH BASE DIMENSIONS OF 16" x 25" (406mm x 635mm). ADJUST PLATFORM SIZE TO FIT CABINET BASE DIMENSIONS BEING SUPPLIED.
3. PLATFORM SIZE FOR CONTROLLER CABINET TYPE IV.
4. PLATFORM SIZE FOR CONTROLLER CABINET TYPE IV AND UNINTERRUPTIBLE POWER SUPPLY CABINET.
5. DRILLED HOLES THROUGH THE PLATFORM BASE TO MATCH THE CONTROLLER CABINET BOLT TEMPLATE. FASTEN THE CONTROLLER CABINET TO THE PLATFORM WITH CARRIAGE BOLTS, WASHERS AND NUTS.
6. FASTEN ALL SUPPORT WOOD FRAMING TO THE WOOD POSTS WITH 2 LAG SCREWS FOR EACH CONNECTION..

**TEMPORARY SIGNAL CONTROLLER
WOOD SUPPORT PLATFORM**

CABLE SLACK LENGTH	FEET	METER
HANDHOLE	6.5	2.0
DOUBLE HANDHOLE	13.0	4.0
SIGNAL POST	2.0	0.6
MAST ARM	2.0	0.6
CONTROLLER CABINET	1.5	0.5
FIBER OPTIC AT CABINET	13.0	4.0
ELECTRIC SERVICE AT (CABINET OR SERVICE LOCATION)	1.5	0.5
GROUND CABLE (SIGNAL POST, MAST ARM, CABINET)	1.5	0.5
GROUND CABLE (BETWEEN FRAME AND COVER)	5.0	1.6

CABLE SLACK

VERTICAL CABLE LENGTH	FEET	METER
MAST ARM POLE (MAST ARM MOUNTED SIGNAL HEAD) (L = MAST ARM LENGTH - DISTANCE TO SIGNAL HEAD FROM END OF ARM)	20.0+L	6.0+L
BRACKET MOUNTED (MAST ARM POLE OR SIGNAL POLE)	13.0	4.0
PEDESTRIAN PUSH BUTTON	6.0	2.0
SERVICE INSTALLATION POLE MOUNT TO SERVICE DROP	13.5	4.1
SERVICE INSTALLATION POLE MOUNT TO GROUND	13.5	4.1
SERVICE INSTALLATION GROUND MOUNT	6.0	2.0
FOUNDATION (SIGNAL POST, MAST ARM POLE, CONTROLLER CABINET, SERVICE-GROUND MOUNT)	3.0	1.0

VERTICAL CABLE LENGTH

FOUNDATION	DEPTH
TYPE A - Signal Post	4'-0" (1.2m)
TYPE C - CONTROLLER W/ UPS	4'-0" (1.2m)
TYPE D - CONTROLLER	4'-0" (1.2m)
SERVICE INSTALLATION, GROUND MOUNT, TYPE A - SQUARE	4'-0" (1.2m)

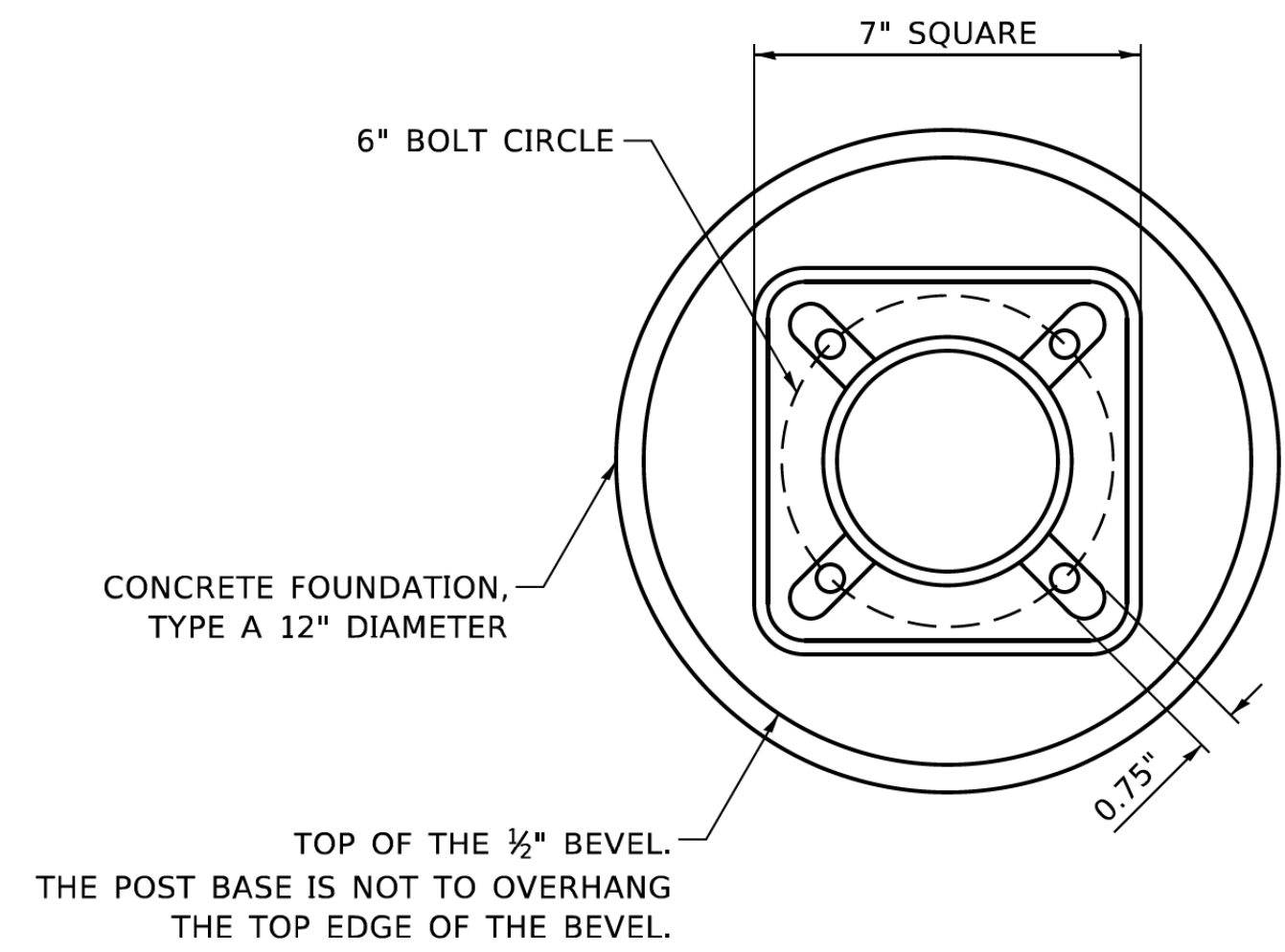
DEPTH OF FOUNDATION

Mast Arm Length	① Foundation Depth	Foundation Diameter	Spiral Diameter	Quantity of Rebars	Size of Rebars
Less than 30' (9.1 m)	10'-0" (3.0 m)	30" (750mm)	24" (600mm)	8	6(19)
Greater than or equal to 30' (9.1 m) and less than 40' (12.2 m)	13'-6" (4.1 m)	30" (750mm)	24" (600mm)	8	6(19)
Greater than or equal to 40' (12.2 m) and less than 50' (15.2 m)	11'-0" (3.4 m)	36" (900mm)	24" (600mm)	12	7(22)
Greater than or equal to 50' (15.2 m) and up to 55' (16.8 m)	13'-0" (4.0 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 55' (16.8 m) and less than 65' (19.8 m)	15'-0" (4.6 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 65' (19.8 m) and less than 75' (22.9 m)	21'-0" (6.4 m)	42" (1060mm)	36" (900mm)	16	8(25)
Greater than or equal to 75' (22.9 m)	25'-0" (7.6 m)	42" (1060mm)	36" (900mm)	16	8(25)

NOTES:

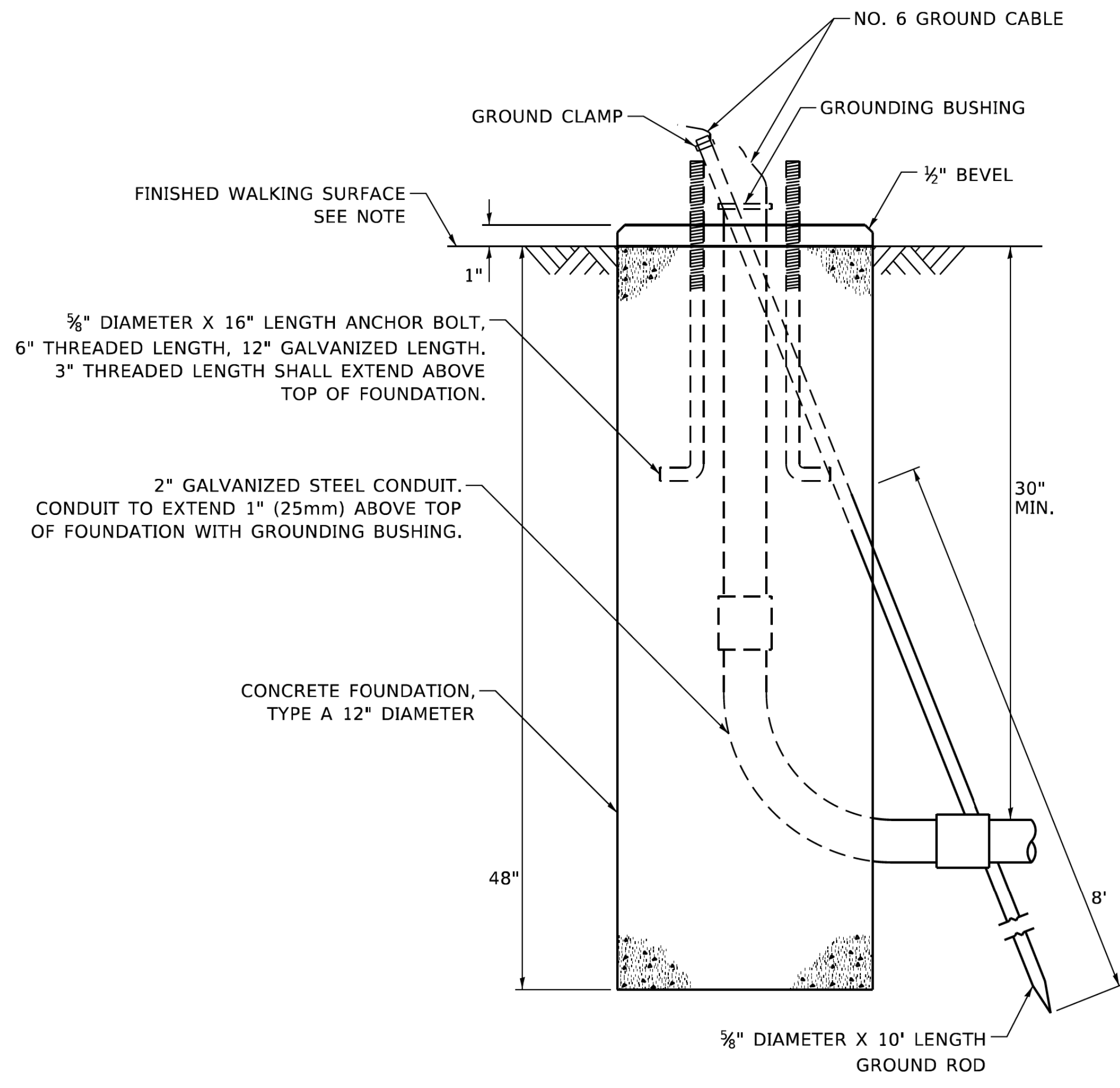
1. These foundation depths are for sites which have cohesive soils (clayey silt, sandy clay, etc.) along the length of the shaft, with an average unconfined compressive strength (qu) > 1.0 tsf (100 kpa). This strength shall be verified by boring data prior to construction or with testing by the Engineer during foundation drilling. The Bureau of Bridges & Structures should be contacted for a revised design if other conditions are encountered.
2. Combination mast arm assemblies under 55 feet (16.8 m) shall use 36" (900 mm) diameter foundations.
3. Combination mast arm assemblies under 56 feet (16.8 m) through 75 feet (22.9 m) shall use 42" (1060 mm) diameter foundations.
4. For mast arm assemblies with dual arms refer to state standard 878001..

DEPTH OF MAST ARM FOUNDATIONS, TYPE E

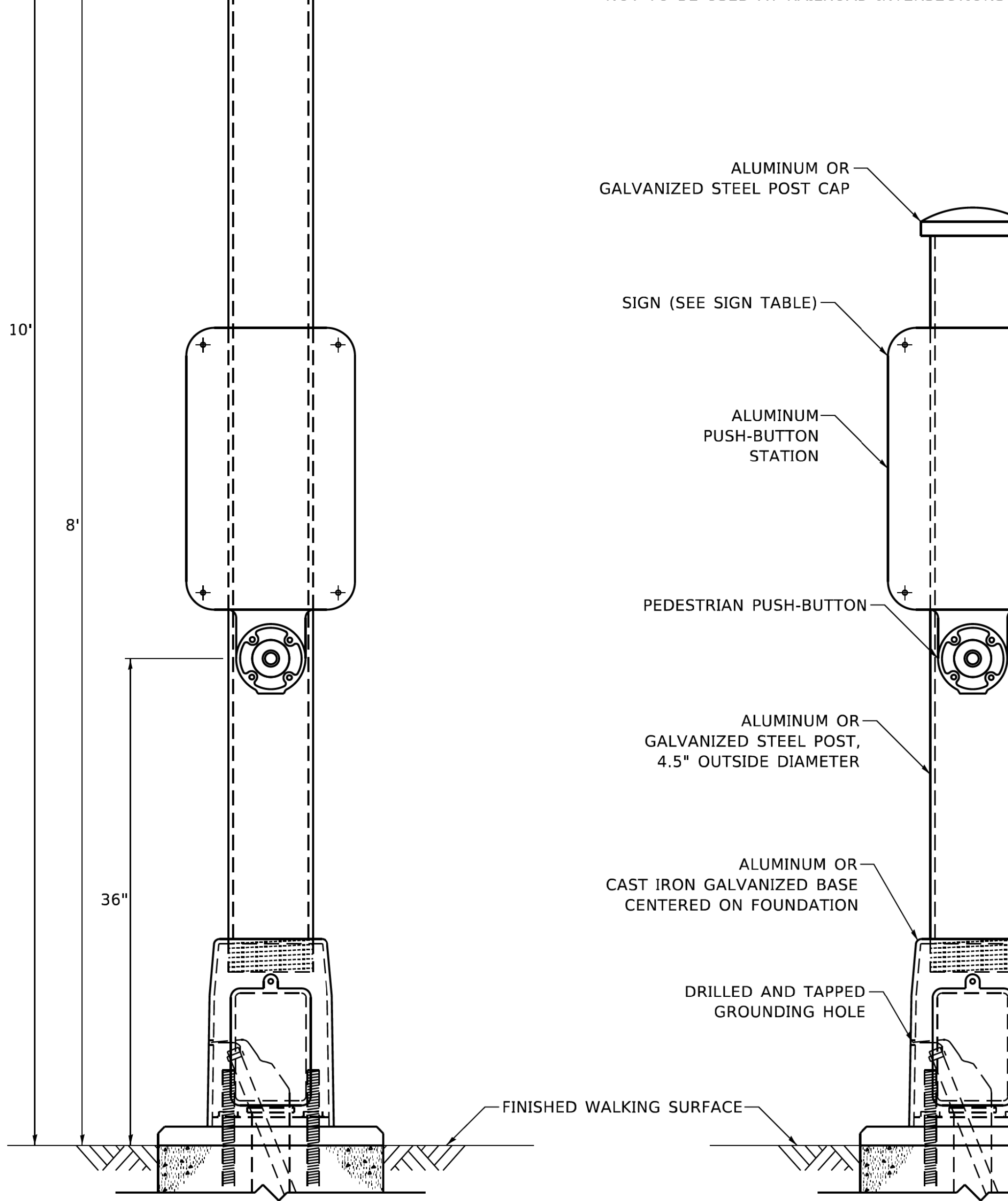
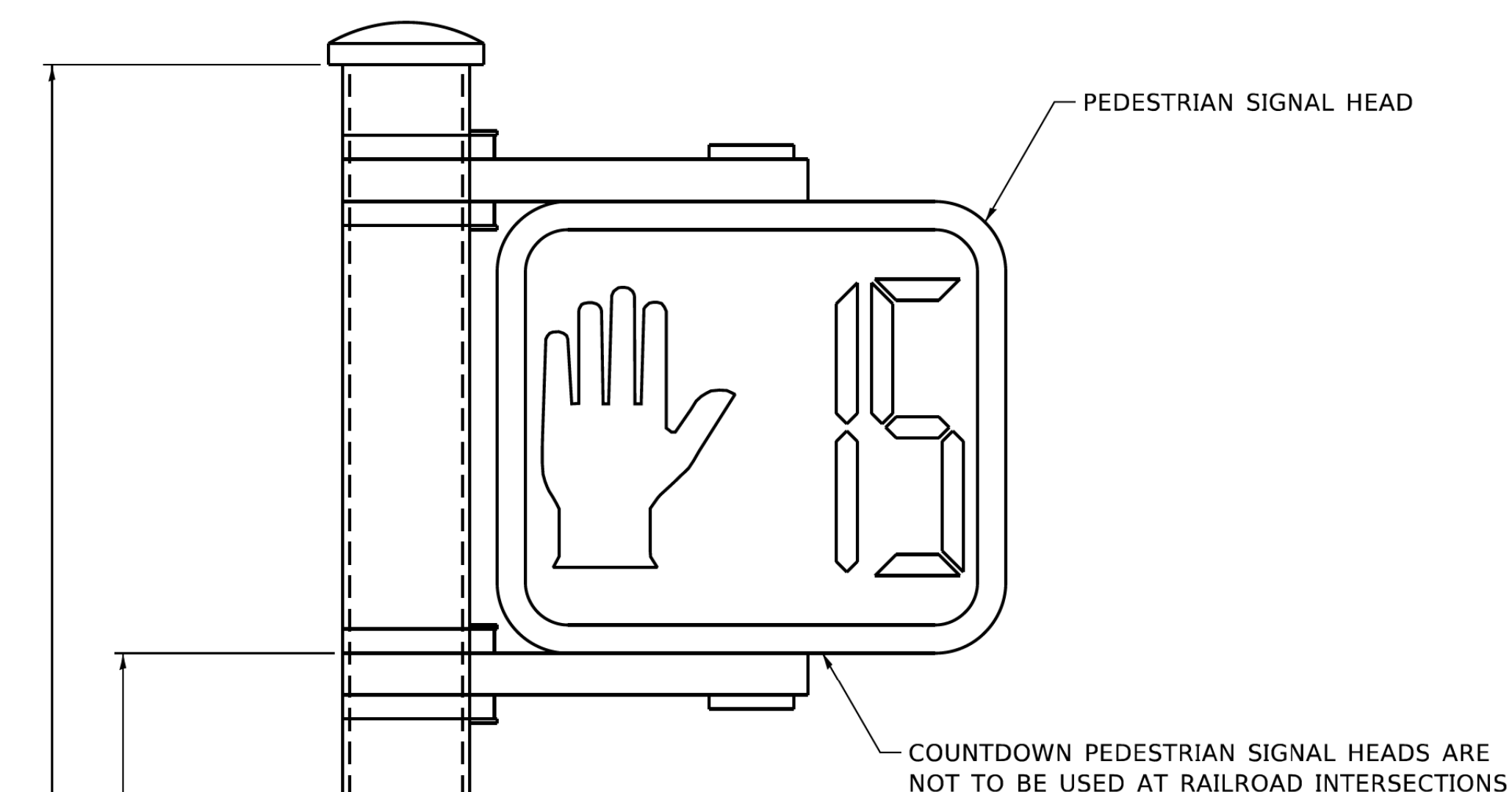


BOLT PATTERN

NOTE:
 1. IF THE PEDESTRIAN SIGNAL POST FOUNDATION IS INSTALLED WITHIN OR BEHIND A BARRIER CURB, THE TOP OF THE FOUNDATION SHALL BE INSTALLED FLUSH WITH THE TOP OF THE BARRIER CURB.

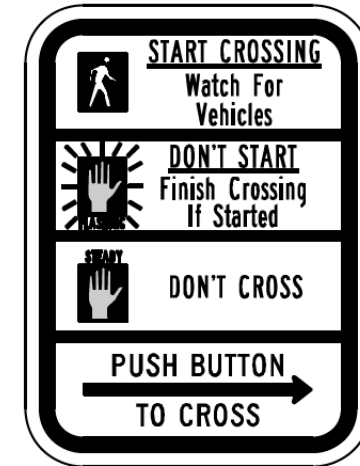


CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER

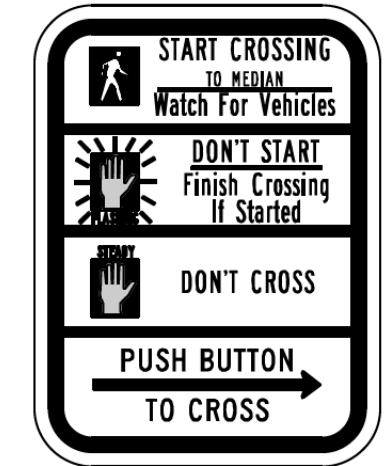


PEDESTRIAN SIGNAL POST, 10 FT.

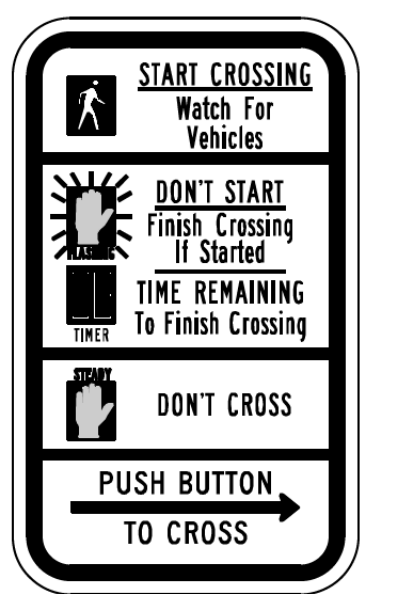
PEDESTRIAN SIGNAL POST, 5 FT.



R10-3b



R10-3d



R10-3e

SIGN TABLE

SIGN	DIMENSIONS
R10-3b (RAILROAD ONLY)	9" X 12"
R10-3d (RAILROAD ONLY)	9" X 12"
R10-3e	9" X 15"

NOTES:
 1. THE SIGN PANELS SHALL BE TYPE AP SHEETING.
 2. THE ARROW ON SIGNS FOR PUSH-BUTTONS SERVING TWO DIRECTIONS ON THE SAME PHASE SHALL BE BI-DIRECTIONAL.
 3. THE SIGN FOR DUAL-CALL PUSH-BUTTONS SHALL HAVE NO ARROW.

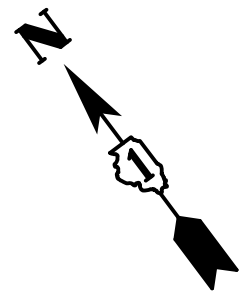
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 FILE: Model: SWIPDesign\Ivan11_01\pedestrianPost\pedestrianSignalPost_WorkingFile-DO-NOT-USE.dgn

USER NAME = plascenciai	DESIGNED - IP	REVISED - 10/15/2020
PLOT SCALE = 100.0000' / in.	DRAWN - IP	REVISED -
PLOT DATE = 11/17/2020	CHECKED - LP	REVISED -
	DATE - 10/15/2018	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

DISTRICT ONE			
STANDARD TRAFFIC SIGNAL DESIGN DETAILS			
SCALE: NTS	SHEET NO. 7	OF 7 SHEETS	STA. TO STA.

F.A.P. RTE. 334	SECTION 14-00221-00-BT	COUNTY COOK	TOTAL SHEETS 156	SHEET NO. 90
TS-05		CONTRACT NO. XXXXX		
ILLINOIS FED. AID PROJECT				



REMOVAL AND RELOCATION NOTES:

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

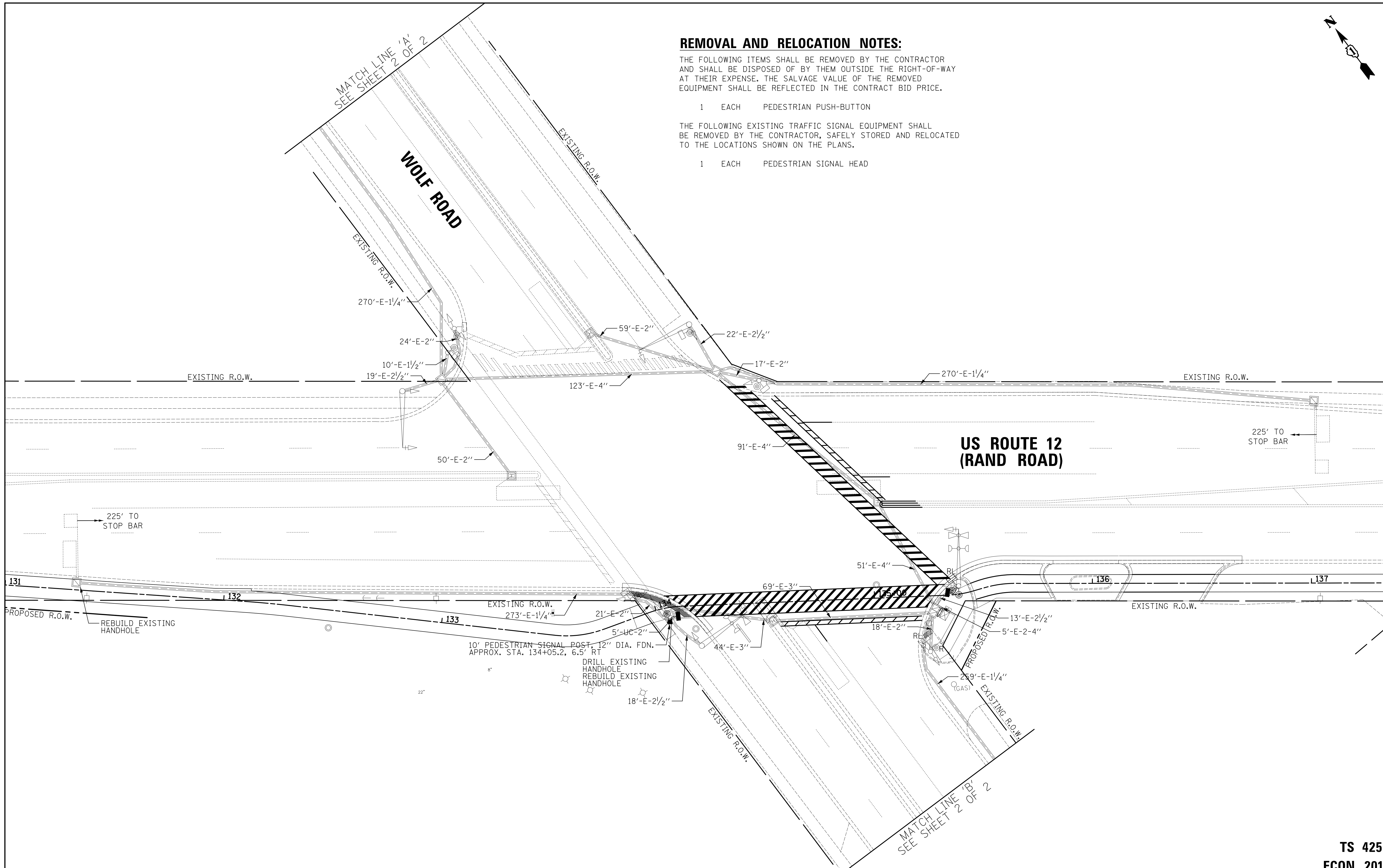
- 1 EACH PEDESTRIAN PUSH-BUTTON

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR, SAFELY STORED AND RELOCATED TO THE LOCATIONS SHOWN ON THE PLANS.

- 1 EACH PEDESTRIAN SIGNAL HEAD

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

DATE	
BY	
SURVEYED	
PLOTTED	
CHECKED	
B.M. NOTED	
STRUCTURE NOTATIONS CHK'D	
NO. _____	
NOTE BOOK	
NO. _____	



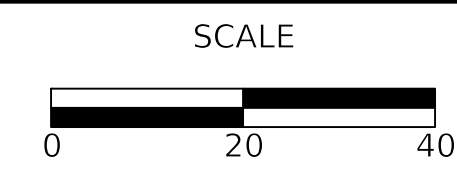
**TS 425
ECON 201**



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Tel: 630.773.3900 Fax: 630.773.3975
www.civiltechinc.com

DESIGNED - LEP	REVISED -
DRAWN - OJT	REVISED -
CHECKED - JJE	REVISED -
DATE - 12/28/2020	REVISED -

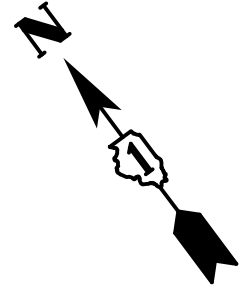
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**



**TRAFFIC SIGNAL MODIFICATION PLAN
US ROUTE 12 (RAND ROAD) AND WOLF ROAD**

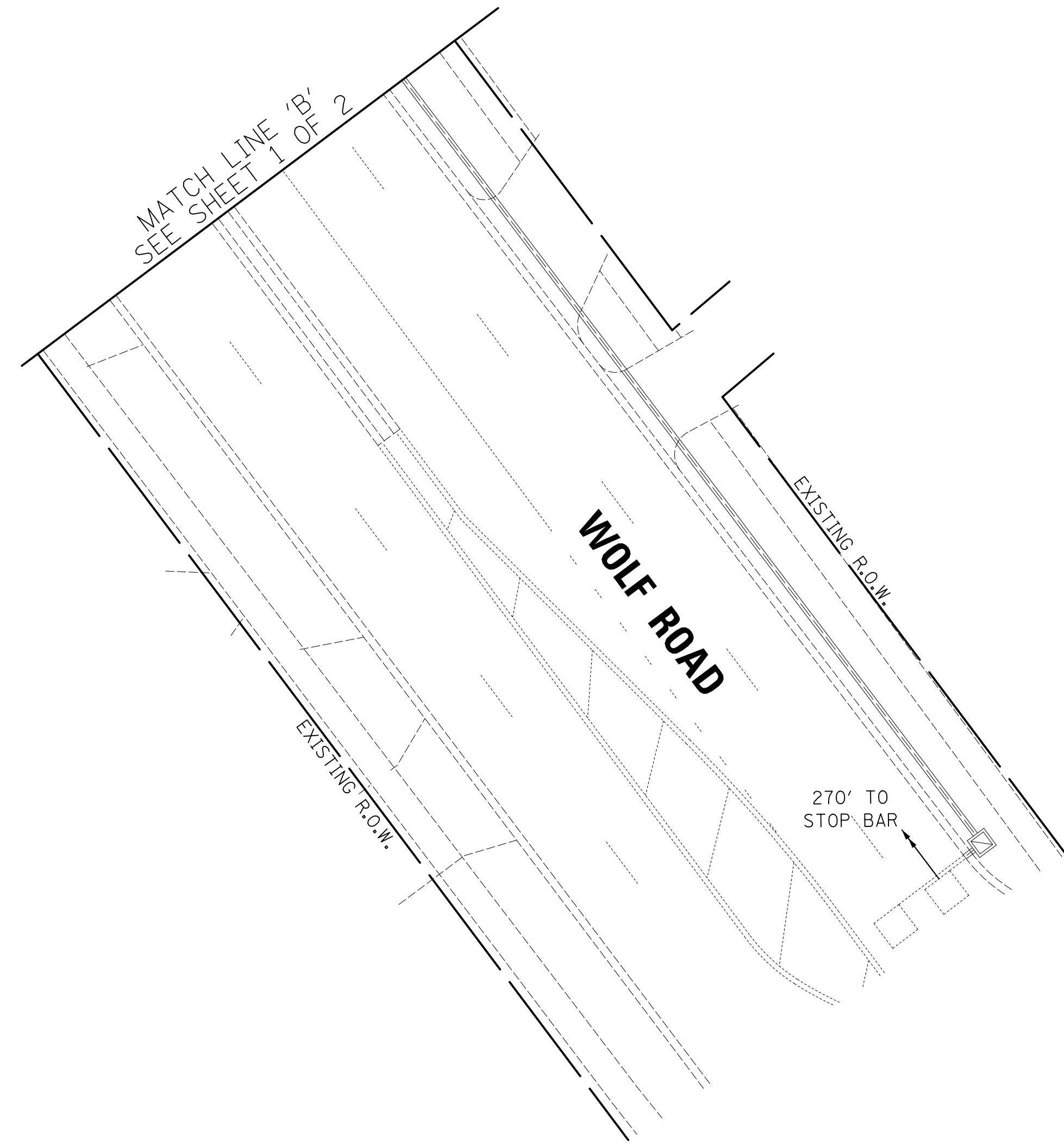
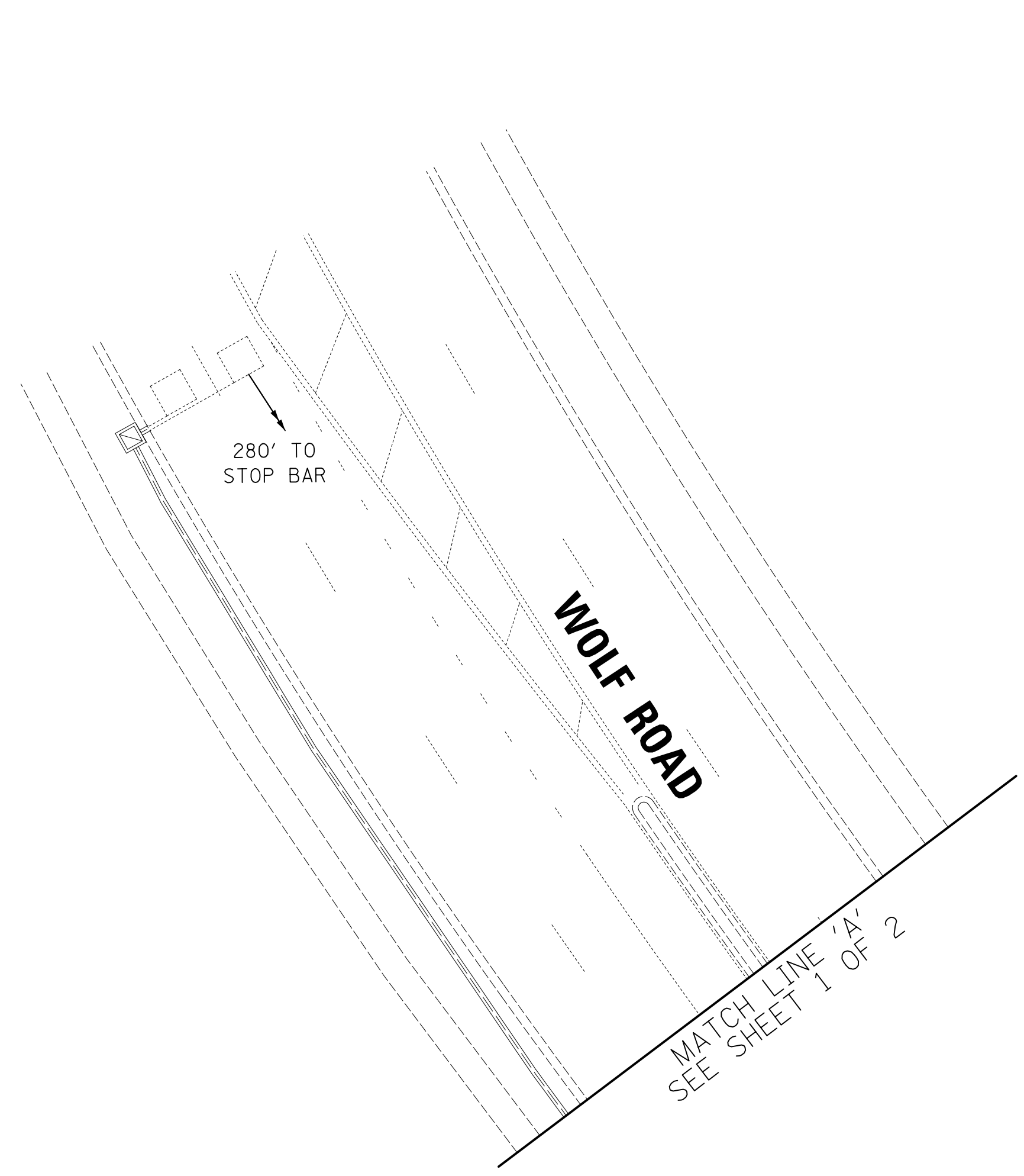
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	14-00221-00-BT	COOK	156	91
CONTRACT NO. 61G57				
ILLINOIS FED. AID PROJECT				

SHEET 1 OF 2 SHEETS STA. TO STA.



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

PROFILE	SURVEYED	BY	DATE
	PLOTTED CHECKED S.M. NOTED STRUCTURE NOTATION CHK'D		
	NOTE BOOK NO.		



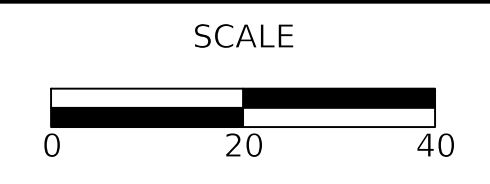
**TS 425
ECON 201**



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DESIGNED - LEP	REVISED -
DRAWN - OJT	REVISED -
CHECKED - JJE	REVISED -
DATE - 12/28/2020	REVISED -

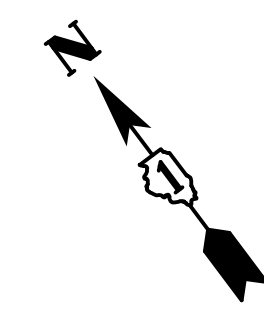
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**



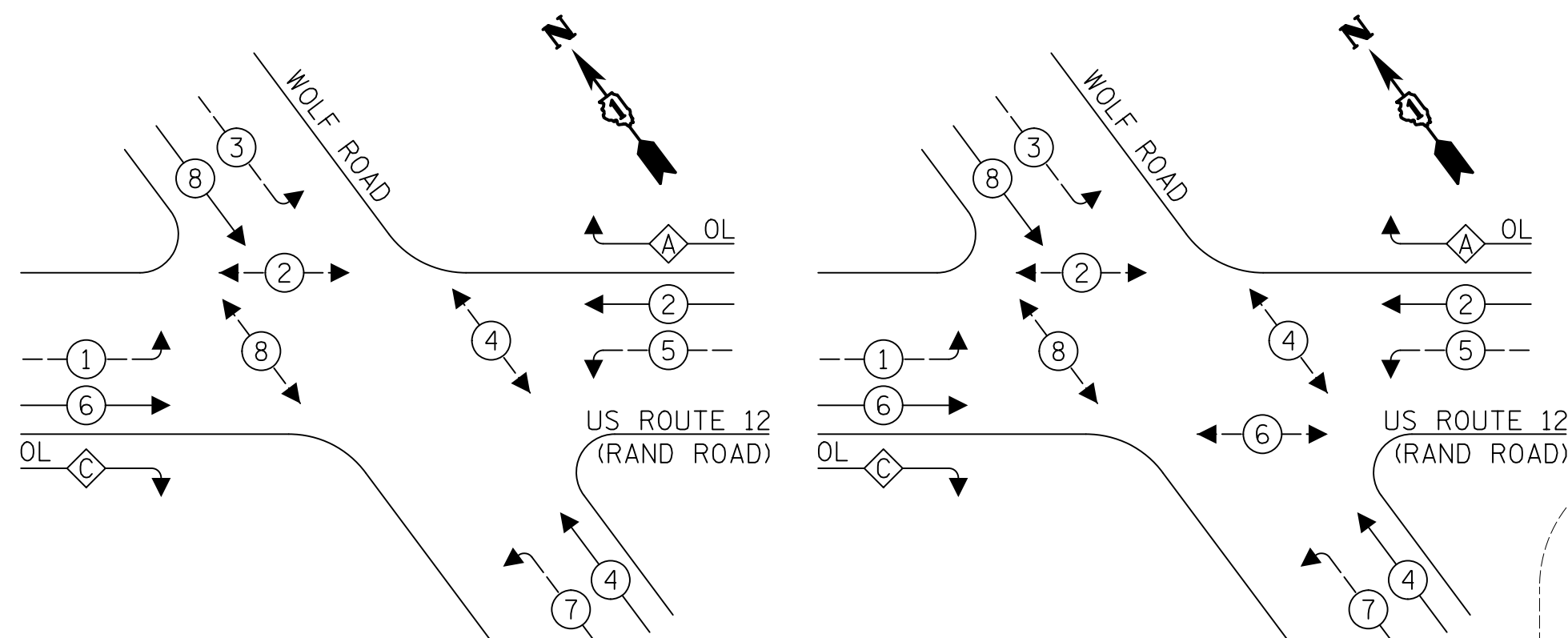
**TRAFFIC SIGNAL MODIFICATION PLAN
US ROUTE 12 (RAND ROAD) AND WOLF ROAD**

SHEET 2 OF 2 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	14-00221-00-BT	COOK	156	92
CONTRACT NO. 61G57				
ILLINOIS FED. AID PROJECT				



EXISTING CONTROLLER SEQUENCE PROPOSED CONTROLLER SEQUENCE



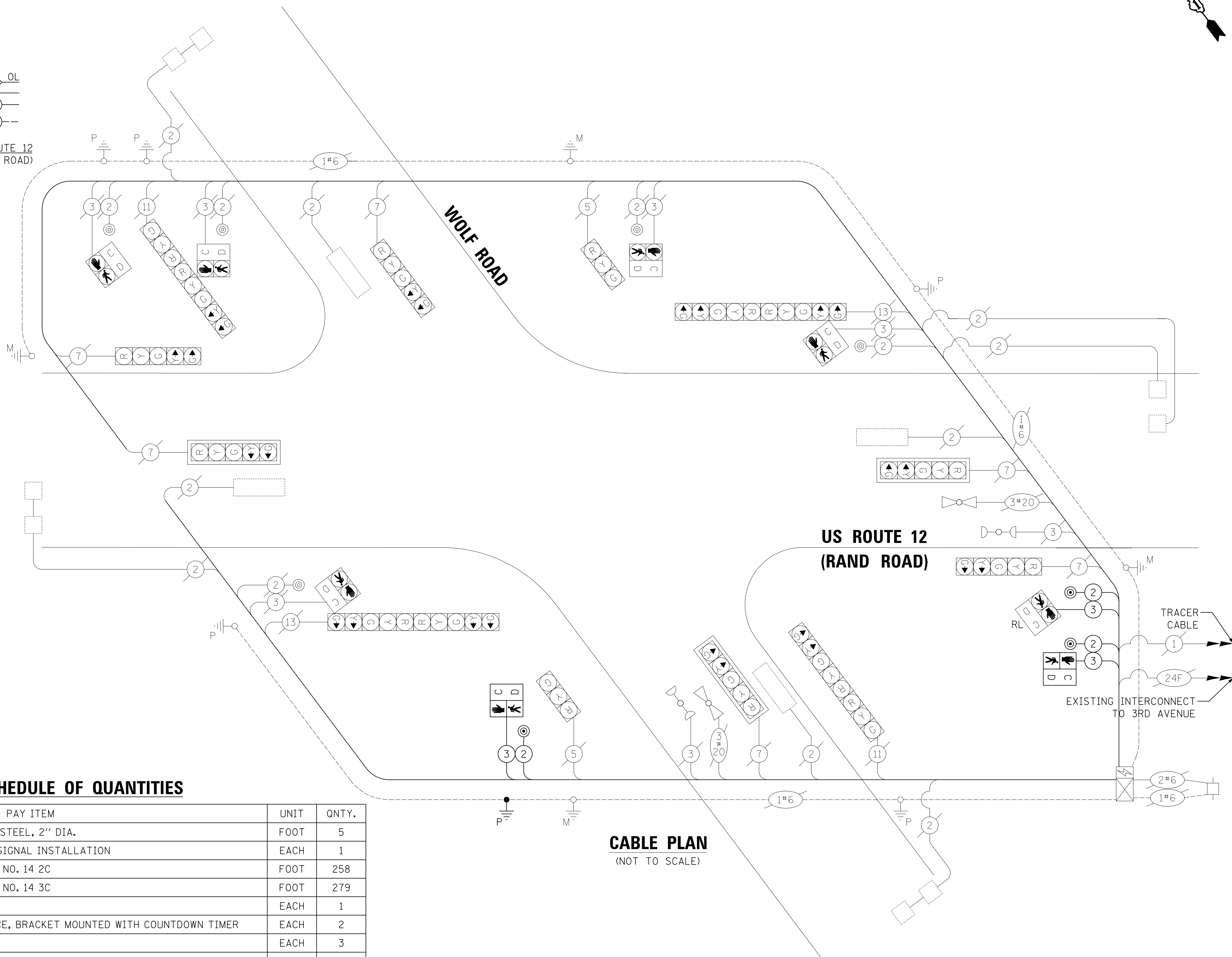
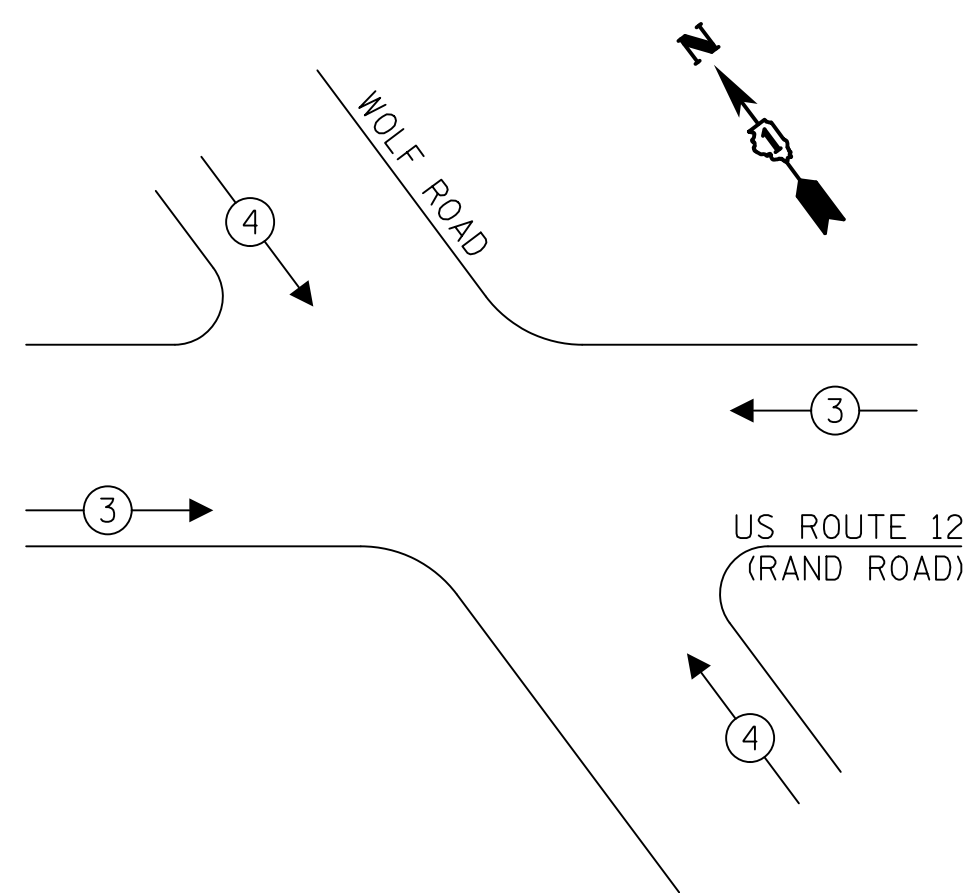
LEGEND:

- ← ⊙ ← PROTECTED PHASE
- ← ⊙ ← PROTECTED/PERMITTED PHASE
- ← ⊙ → PEDESTRIAN PHASE
- ← ⊙ OL OVERLAP

RIGHT TURN OVERLAP PHASE DESIGNATION:

OVERLAP LETTER	PERMISSIVE PHASE	PROTECTED PHASE
A	= 2	+ 3
C	= 6	+ 7

EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE



CABLE PLAN
(NOT TO SCALE)

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	16	11	50	88.0
(YELLOW)	16	20	5	16.0
(GREEN)	16	12	45	86.4
ARROW	24	10	10	24.0
PED. SIGNAL	8	20	100	160.0
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	-	150	100	-
BLANK-OUT SIGN	-	-	-	-
FLASHER	-	-	-	-
STREET NAME SIGN	-	-	-	-
LUMINAIRE	-	-	-	-
TOTAL =				499.4

SCHEDULE OF QUANTITIES

PAY ITEM	UNIT	QNTY.
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	5
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	258
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	279
DRILL EXISTING HANDHOLE	EACH	1
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	2
PEDESTRIAN PUSH-BUTTON	EACH	3
RELOCATE EXISTING PEDESTRIAN SIGNAL HEAD	EACH	1
MODIFY EXISTING CONTROLLER	EACH	1
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	110
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REBUILD EXISTING HANDHOLE	EACH	2
PEDESTRIAN SIGNAL POST, 10 FT.	EACH	1
CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	4

ENERGY COSTS TO:

VILLAGE OF DES PLAINES
1420 MINER STREET
DES PLAINES, IL 60016

ENERGY SUPPLY: CONTACT: _____
PHONE: _____
COMPANY: COMED
ACCOUNT NUMBER: _____

DESIGNED - LEP	REVISED -
DRAWN - OJT	REVISED -
CHECKED - JJE	REVISED -
DATE - 12/28/2020	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

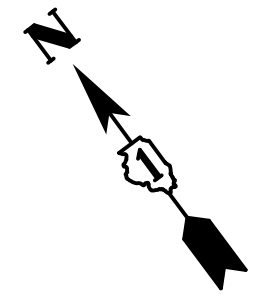
**CABLE PLAN, PHASE DESIGNATION DIAGRAM, EMERGENCY VEHICLE
PREEMPTION SEQUENCE AND SCHEDULE OF QUANTITIES
US ROUTE 12 (RAND ROAD) AND WOLF ROAD**

F.A.P. RTE. 334	SECTION 14-00221-00-BT	COUNTY COOK	TOTAL SHEETS 156	SHEET NO. 93
CONTRACT NO. 61G57			ILLINOIS FED. AID PROJECT	

**TS 425
ECON 201**

DATE	BY	SURVEYED	PLOTTED	NOTED	CHECKED	RT. OF WAY CHECKED	CADD FILE NAME

DATE	BY	SURVEYED	PLOTTED	NOTED	CHECKED	B.M. NOTED	STRUCTURE NOTATIONS CHK'D



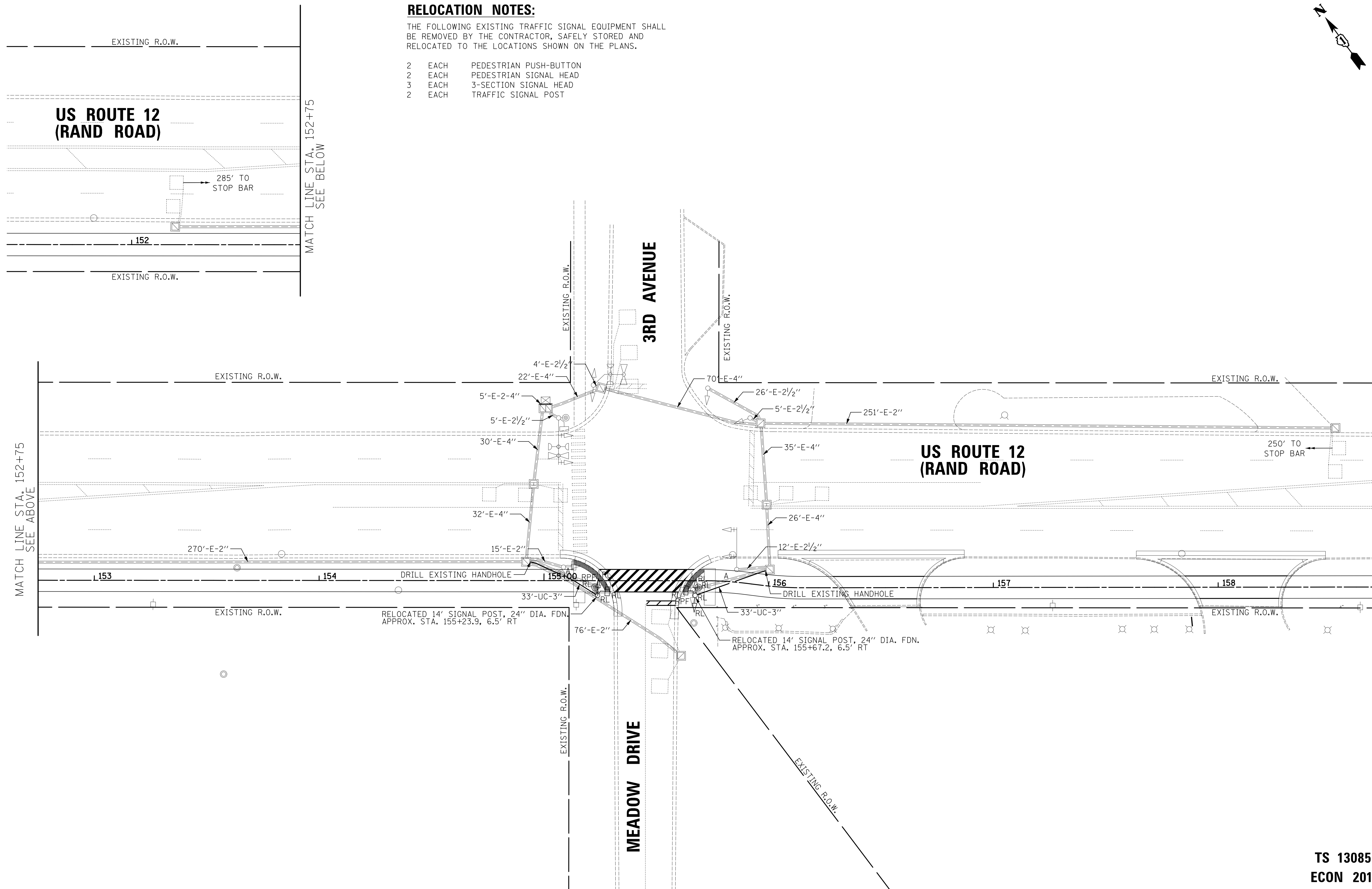
RELOCATION NOTES:

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR, SAFELY STORED AND RELOCATED TO THE LOCATIONS SHOWN ON THE PLANS.

- 2 EACH PEDESTRIAN PUSH-BUTTON
- 2 EACH PEDESTRIAN SIGNAL HEAD
- 3 EACH 3-SECTION SIGNAL HEAD
- 2 EACH TRAFFIC SIGNAL POST

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

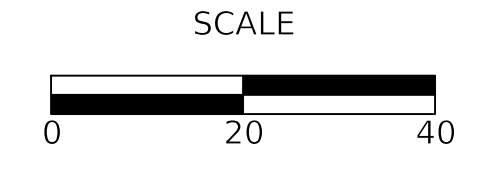
PROFILE	SURVEYED	DATE
	PLOTTED	
	NOTED	
	STRUCTURE NOTATIONS CHK'D	
NOTE BOOK NO.		



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CHECKED - JJE	REVISED -
DATE - 12/28/2020	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

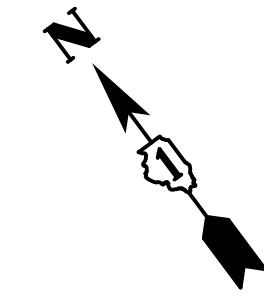


**TRAFFIC SIGNAL MODIFICATION PLAN
US ROUTE 12 (RAND ROAD) AND 3RD AVENUE/MEADOW DRIVE**

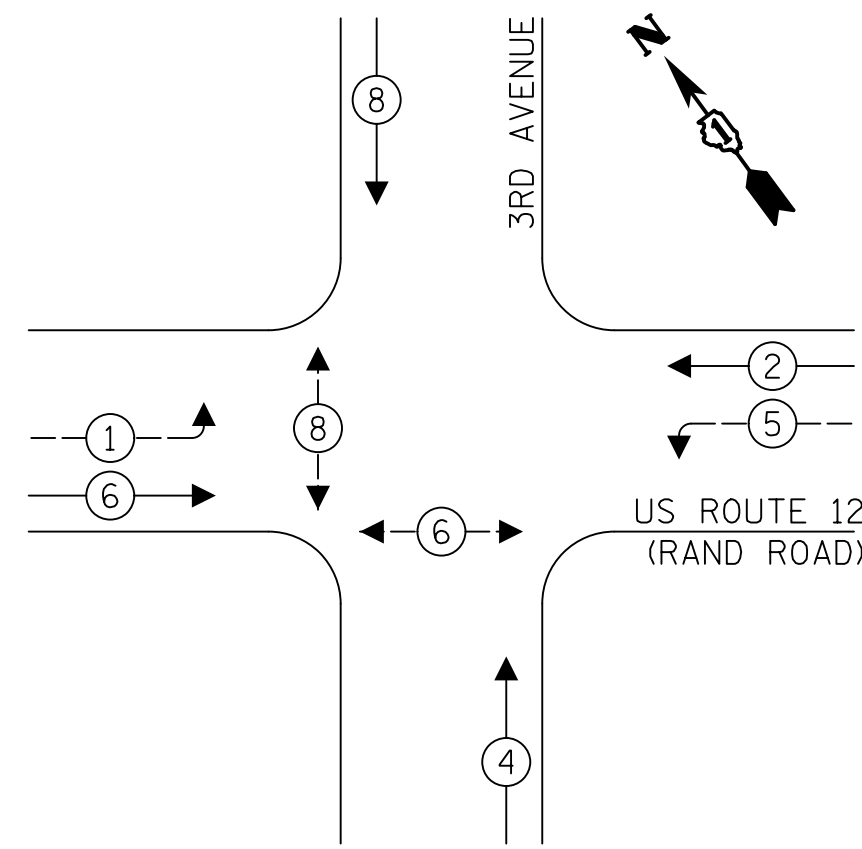
SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	14-00221-00-BT	COOK	156	94
CONTRACT NO. 61G57				
ILLINOIS FED. AID PROJECT				

**TS 13085
ECON 201**



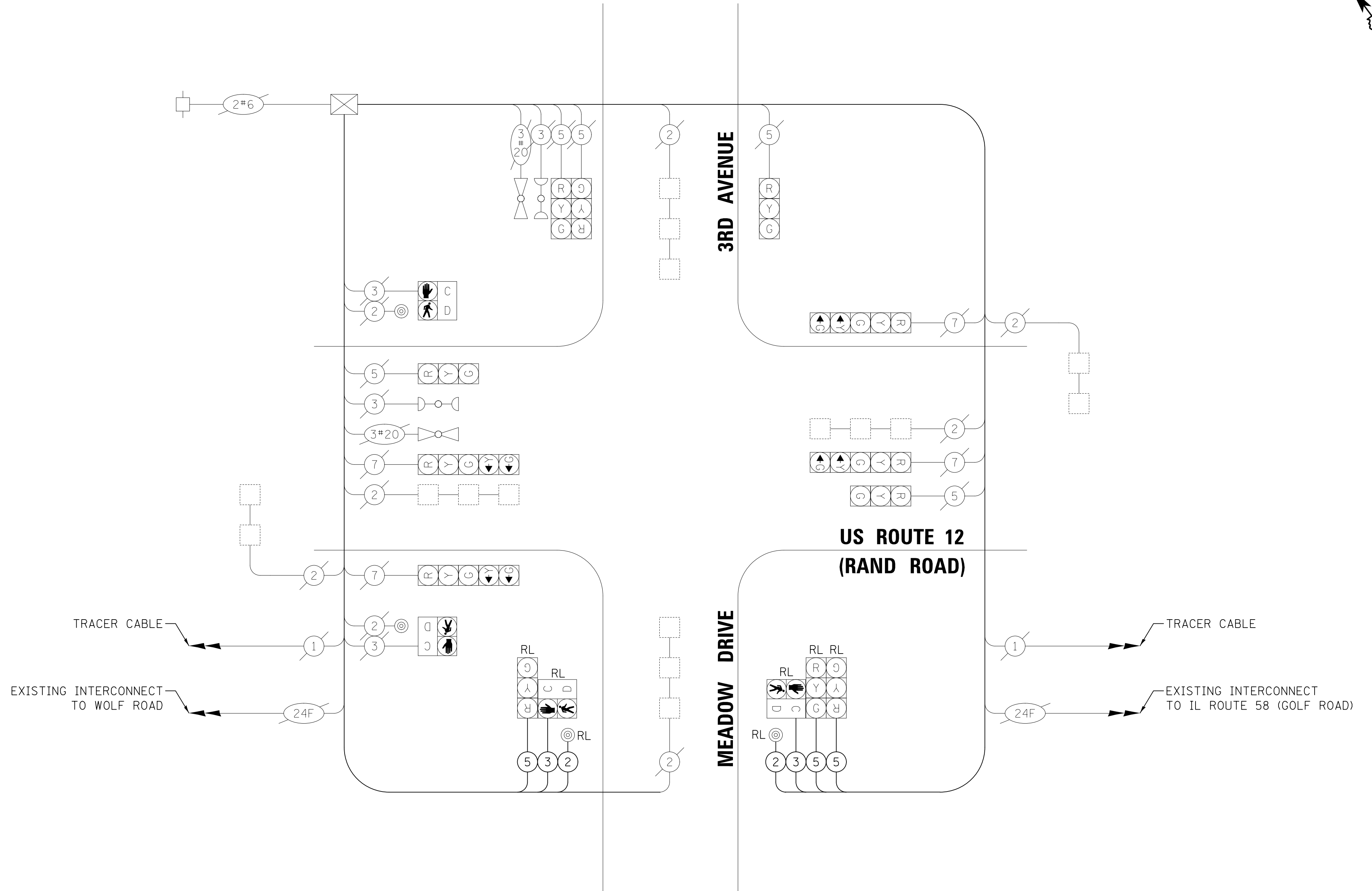
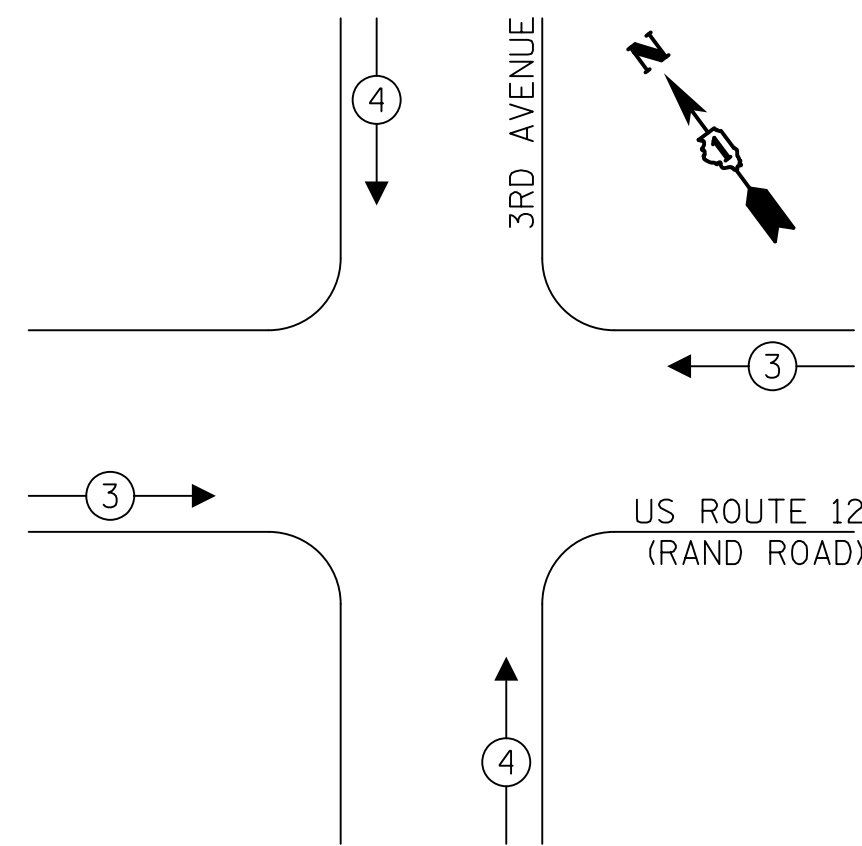
PROPOSED CONTROLLER SEQUENCE



LEGEND:

- ← ⊙ ← PROTECTED PHASE
- ← ⊙ ← PROTECTED/PERMITTED PHASE
- ← ⊙ → PEDESTRIAN PHASE
- ← ⊙ OL OVERLAP

**EXISTING EMERGENCY VEHICLE
PREEMPTION SEQUENCE**



CABLE PLAN
(NOT TO SCALE)

**TRAFFIC SIGNAL
ELECTRICAL SERVICE REQUIREMENTS**

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	12	11	50	66.0
(YELLOW)	12	20	5	12.0
(GREEN)	12	12	45	64.8
ARROW	8	10	10	8.0
PED. SIGNAL	4	20	100	80.0
CONTROLLER	1	100	100	100.0
UPS	-	25	100	-
VIDEO SYSTEM	-	150	100	-
BLANK-OUT SIGN	-	-	-	-
FLASHER	-	-	-	-
STREET NAME SIGN	-	-	-	-
LUMINAIRE	-	-	-	-
TOTAL =				330.8

SCHEDULE OF QUANTITIES

PAY ITEM	UNIT	QNTY.
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	69
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	390
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	404
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	660
CONCRETE FOUNDATION, TYPE A	FOOT	8
DRILL EXISTING HANDHOLE	EACH	2
DETECTOR LOOP REPLACEMENT	FOOT	50
RELOCATE EXISTING SIGNAL HEAD	EACH	3
RELOCATE EXISTING PEDESTRIAN SIGNAL HEAD	EACH	2
RELOCATE EXISTING PEDESTRIAN PUSH-BUTTON	EACH	2
RELOCATE EXISTING TRAFFIC SIGNAL POST	EACH	2
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	1099
REMOVE EXISTING CONCRETE FOUNDATION	EACH	2

ENERGY COSTS TO:

VILLAGE OF DES PLAINES
1420 MINER STREET
DES PLAINES, IL 60016

ENERGY SUPPLY: CONTACT: _____
PHONE: _____
COMPANY: COMED
ACCOUNT NUMBER: _____

CIVILTECH
Two Pierce Place, Suite 1400
Itasca, Illinois 60143
Tel: 630.773.3900 Fax: 630.773.3975
www.civiltechinc.com

DESIGNED - LEP
DRAWN - OJT
CHECKED - JJE
DATE - 12/28/2020

REVISED -
REVISED -
REVISED -
REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CABLE PLAN, PHASE DESIGNATION DIAGRAM, EMERGENCY VEHICLE
PREEMPTION SEQUENCE AND SCHEDULE OF QUANTITIES
US ROUTE 12 (RAND ROAD) AND 3RD AVENUE/MEADOW DRIVE**

SHEET OF SHEETS STA. TO STA.

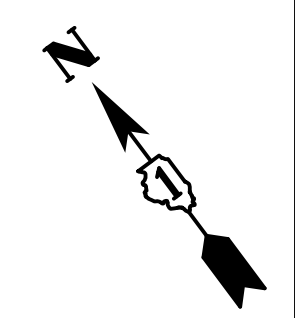
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	14-00221-00-BT	COOK	156	95
CONTRACT NO. 61G57				

ILLINOIS FED. AID PROJECT

**TS 13085
ECON 201**

DATE: _____
BY: _____
PLAN SURVEYED _____
NOTED _____
NOTE BOOK NO. _____
PLotted _____
RT. OF WAY CHECKED _____
CADD FILE NAME _____

DATE: _____
BY: _____
PROFILE SURVEYED _____
NOTED _____
NOTE BOOK NO. _____
STRUCTURE NOTATION CHK'D _____



NOTES:

- RED LIGHT ENFORCEMENT CAMERAS ARE IN OPERATION AT THIS LOCATION. INQUIRIES REGARDING THE ENFORCEMENT CAMERAS SHOULD BE DIRECTED TO THE FOLLOWING:

 MUNICIPALITY - MIKE MEYER - POLICE
 MMEYER@DESPLAINES.ORG
 OFFICE# (847) 391-5410
 CELL# (847) 626-5591

 CAMERA VENDOR - RED SPEED
 ROBYN LEIGHTON
 ROBYN.LEIGHTON@REDSPEED.ILLINOIS.COM
 (630) 317-5736
- DUE TO THE PRESENCE OF A RED LIGHT RUNNING (RLR) CAMERA WITHIN THE PROJECT LIMITS, CONTRACTOR SHALL NOTIFY THE VILLAGE OF DES PLAINES AND THE REDSPEED ILLINOIS, LLC PRIOR TO THE START OF CONSTRUCTION.

VILLAGE OF DES PLAINES REDSPEED ILLINOIS, LLC
 1420 MINER STREET 400 EISENHOWER LANE
 DES PLAINES, IL 60016 LOMBARD, IL 60148
 P: (847) 391-5300 P: (630) 317-5700

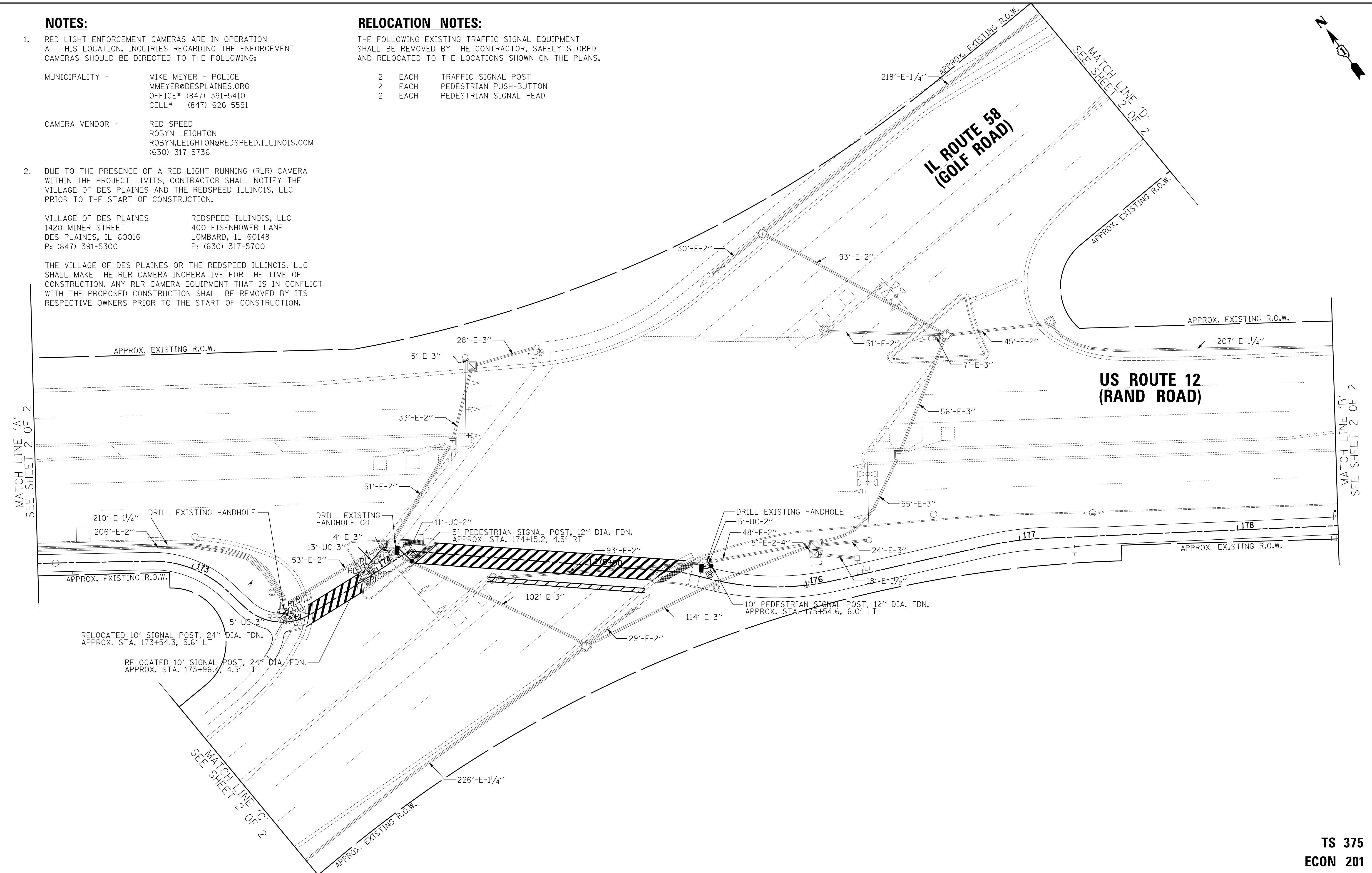
THE VILLAGE OF DES PLAINES OR THE REDSPEED ILLINOIS, LLC SHALL MAKE THE RLR CAMERA INOPERATIVE FOR THE TIME OF CONSTRUCTION. ANY RLR CAMERA EQUIPMENT THAT IS IN CONFLICT WITH THE PROPOSED CONSTRUCTION SHALL BE REMOVED BY ITS RESPECTIVE OWNERS PRIOR TO THE START OF CONSTRUCTION.

RELOCATION NOTES:

- THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR, SAFELY STORED AND RELOCATED TO THE LOCATIONS SHOWN ON THE PLANS.
- 2 EACH TRAFFIC SIGNAL POST
 - 2 EACH PEDESTRIAN PUSH-BUTTON
 - 2 EACH PEDESTRIAN SIGNAL HEAD

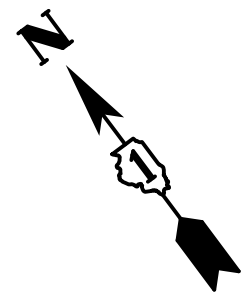
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RT. OF WAY CHECKED	
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SURVEYED	
PLOTTED	
NOTED	
STRUCTURE NOTATION CHKD	
NO.	



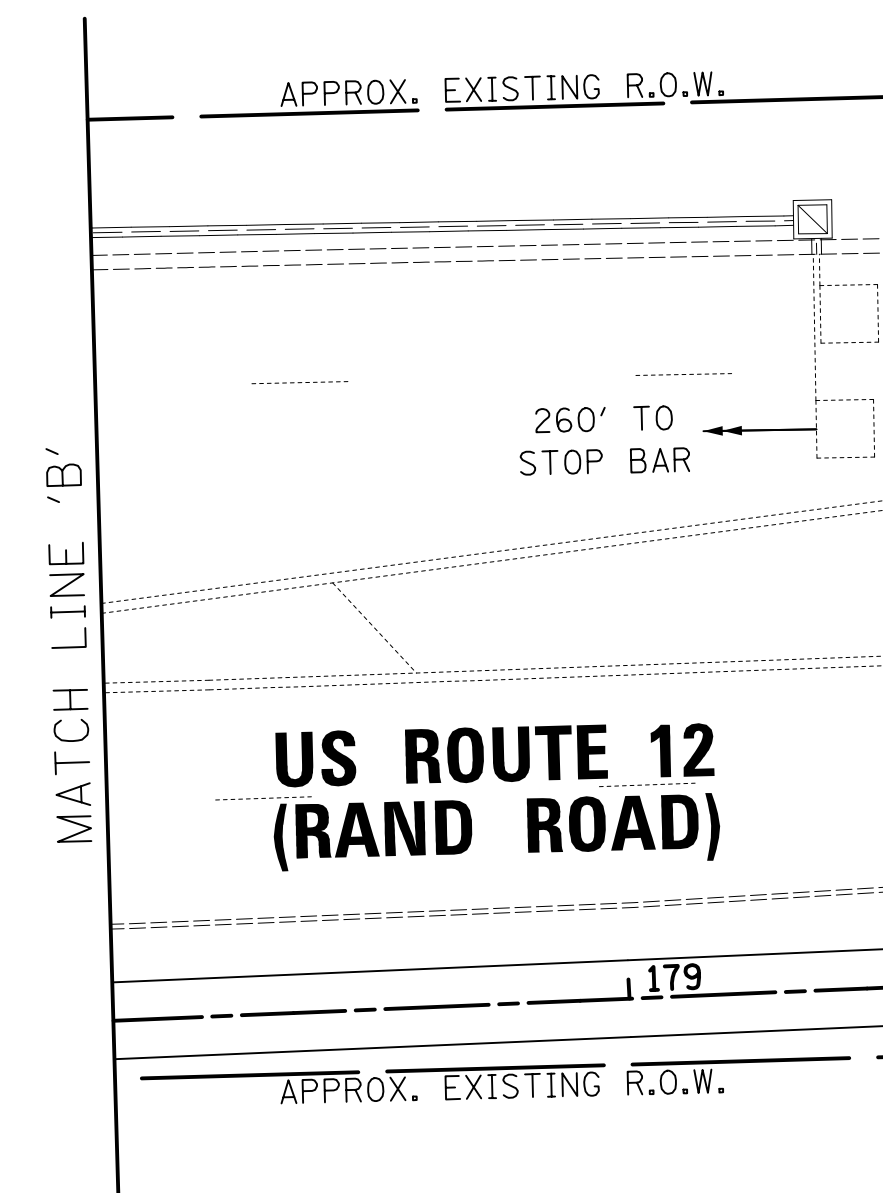
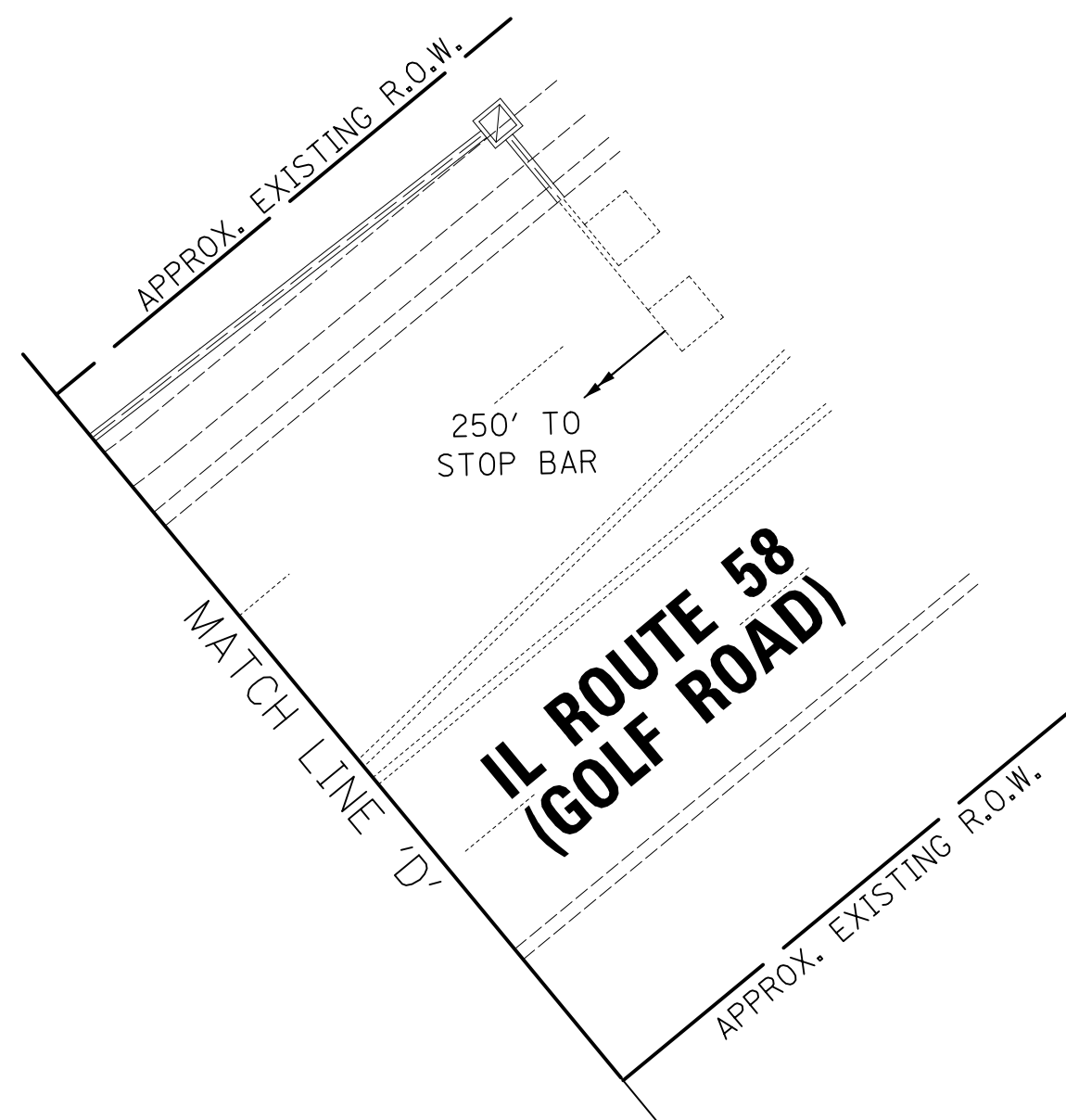
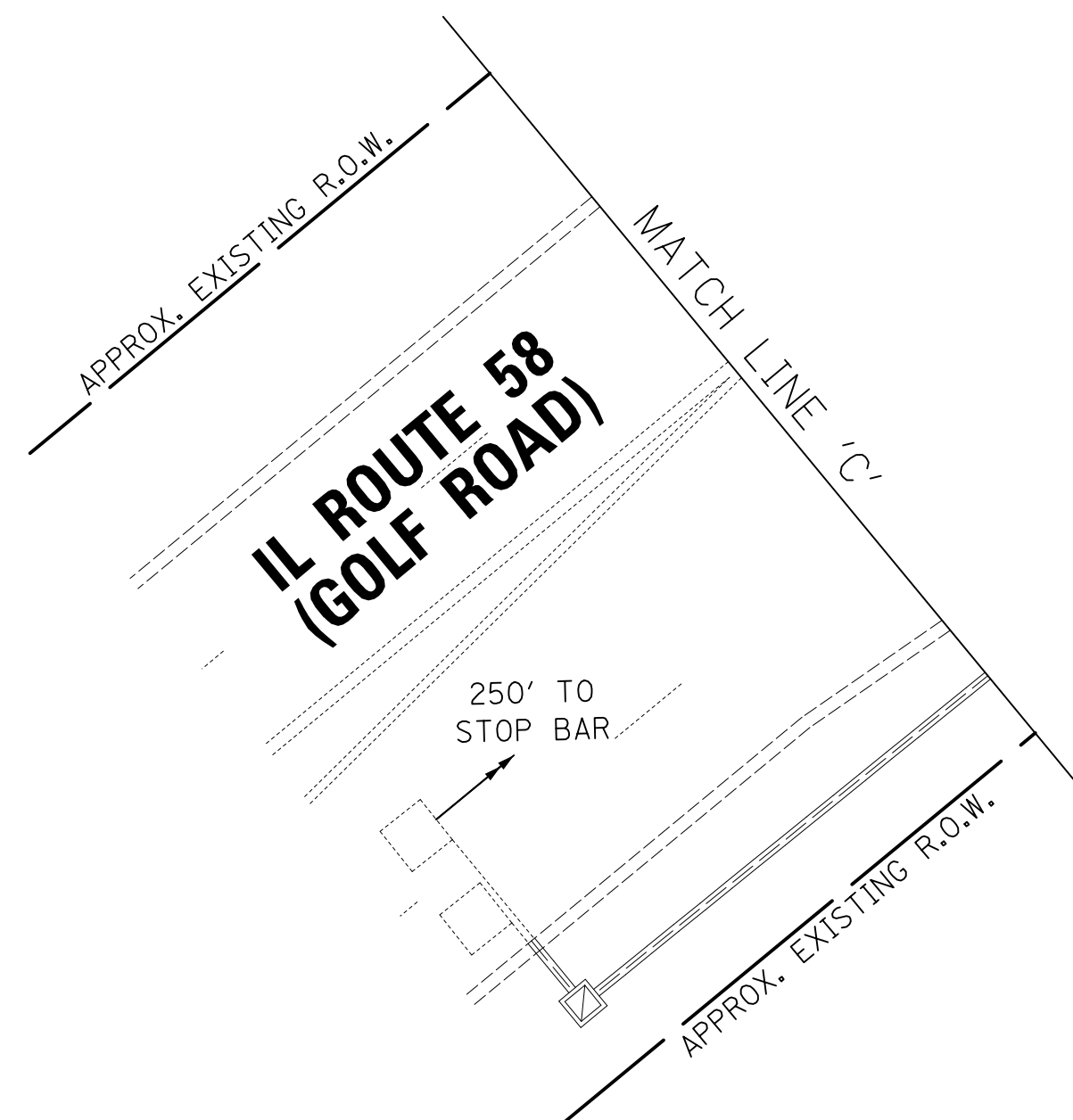
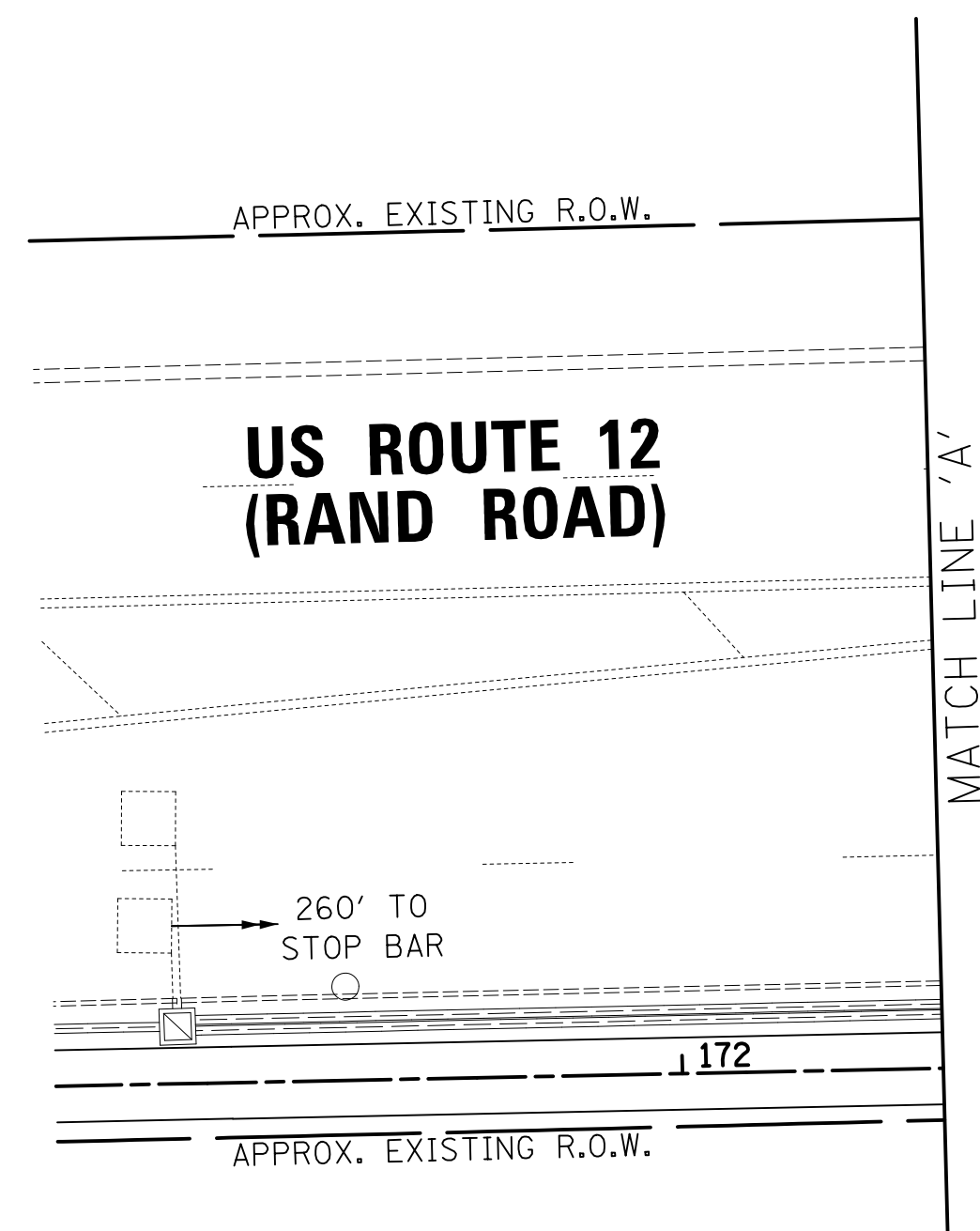
**TS 375
ECON 201**

	Two Pierce Place, Suite 1400 Itasca, Illinois 60143 Tel: 630.773.3900 Fax: 630.773.3975 www.civiltechinc.com	DESIGNED - LEP DRAWN - OJT CHECKED - JJE DATE - 12/28/2020	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SCALE 	TRAFFIC SIGNAL MODIFICATION PLAN US ROUTE 12 (RAND ROAD) AND IL ROUTE 58 (GOLF ROAD)	F.A.P. RTE. 334 SECTION 14-00221-00-BT COUNTY COOK TOTAL SHEETS 156 SHEET NO. 96 CONTRACT NO. 61G57 ILLINOIS FED. AID PROJECT
	SHEET 1 OF 2 SHEETS STA. TO STA.						



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

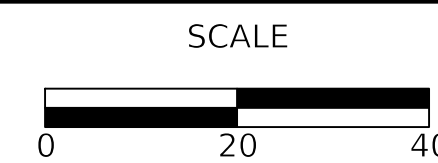
PROFILE	SURVEYED	DATE
	NOTED	
NOTE BOOK NO.	PLOTTED	
	BY	
	CHECKED	
	STRUCTURE NOTATION CHK'D	



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Itasca, Illinois 60143
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DESIGNED	-	LEP	REVISED	-
DRAWN	-	OJT	REVISED	-
CHECKED	-	JJE	REVISED	-
DATE	-	12/28/2020	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



TRAFFIC SIGNAL MODIFICATION PLAN
US ROUTE 12 (RAND ROAD) AND IL ROUTE 58 (GOLF ROAD)

SHEET 2 OF 2 SHEETS STA. TO STA.

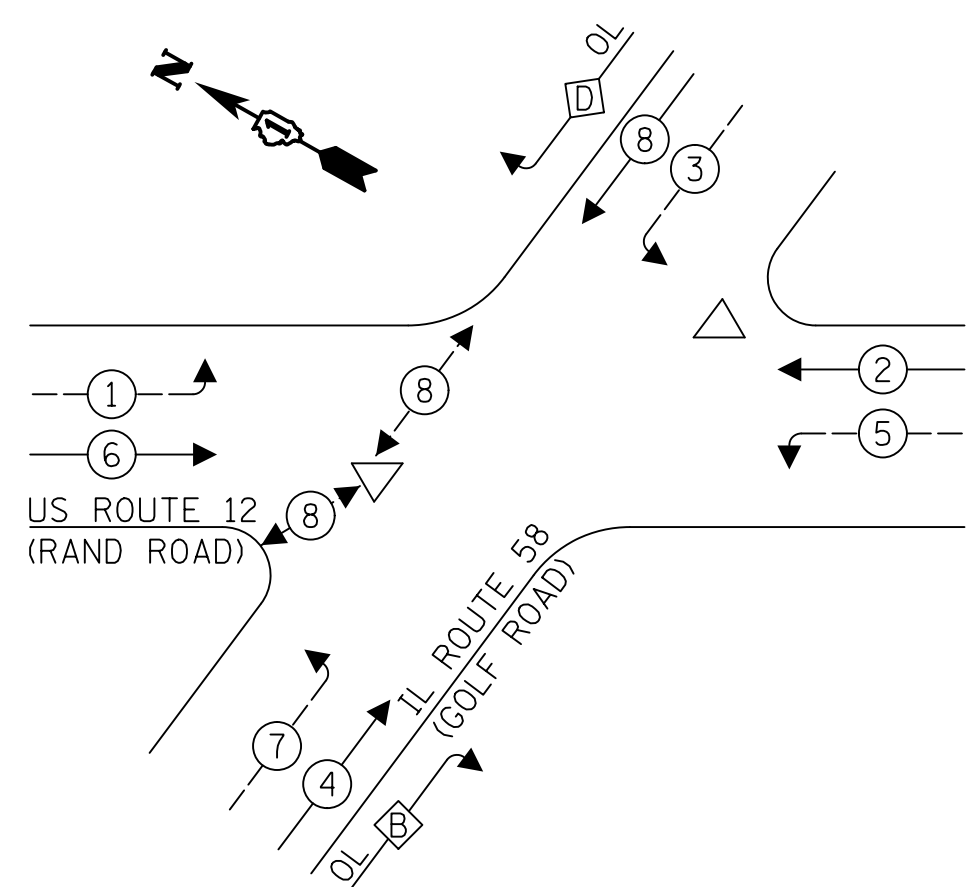
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	14-00221-00-BT	COOK	156	97
CONTRACT NO. 61G57				
ILLINOIS FED. AID PROJECT				

TS 375
ECON 201

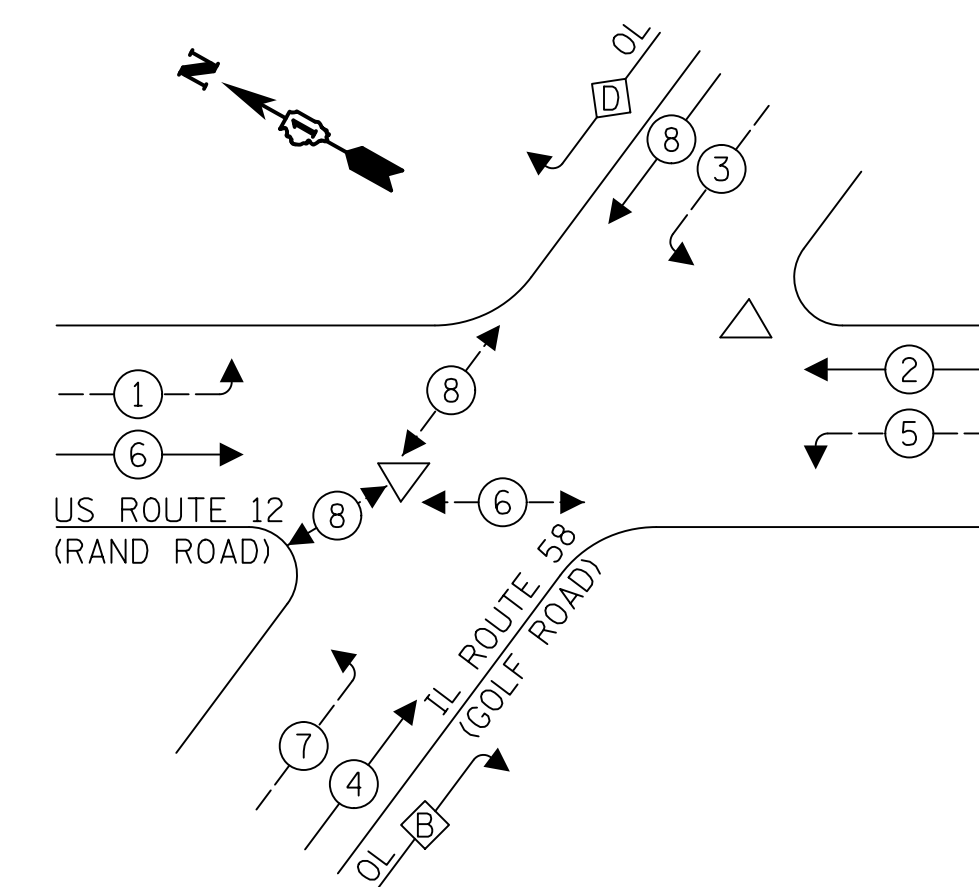
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 SURVEYED _____
 PLOTTED _____
 NOTE BOOK _____
 NO. _____

DATE: _____ BY: _____
 SURVEYED _____
 PLOTTED _____
 NOTE BOOK _____
 NO. _____

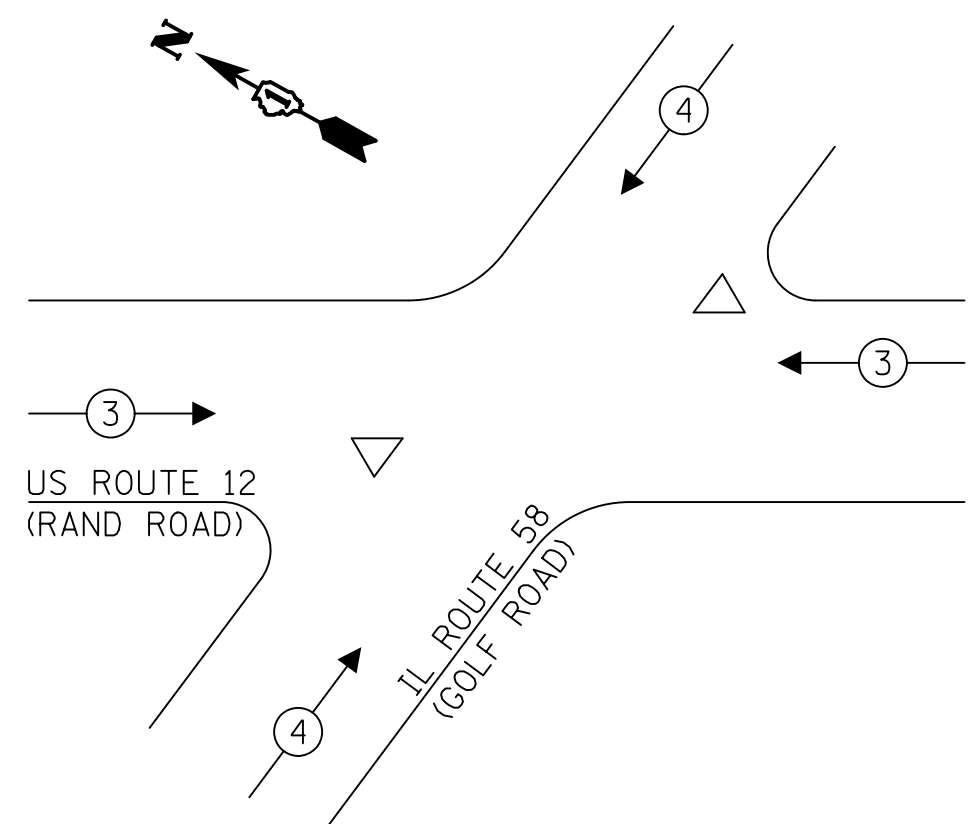
EXISTING CONTROLLER SEQUENCE



PROPOSED CONTROLLER SEQUENCE



EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE

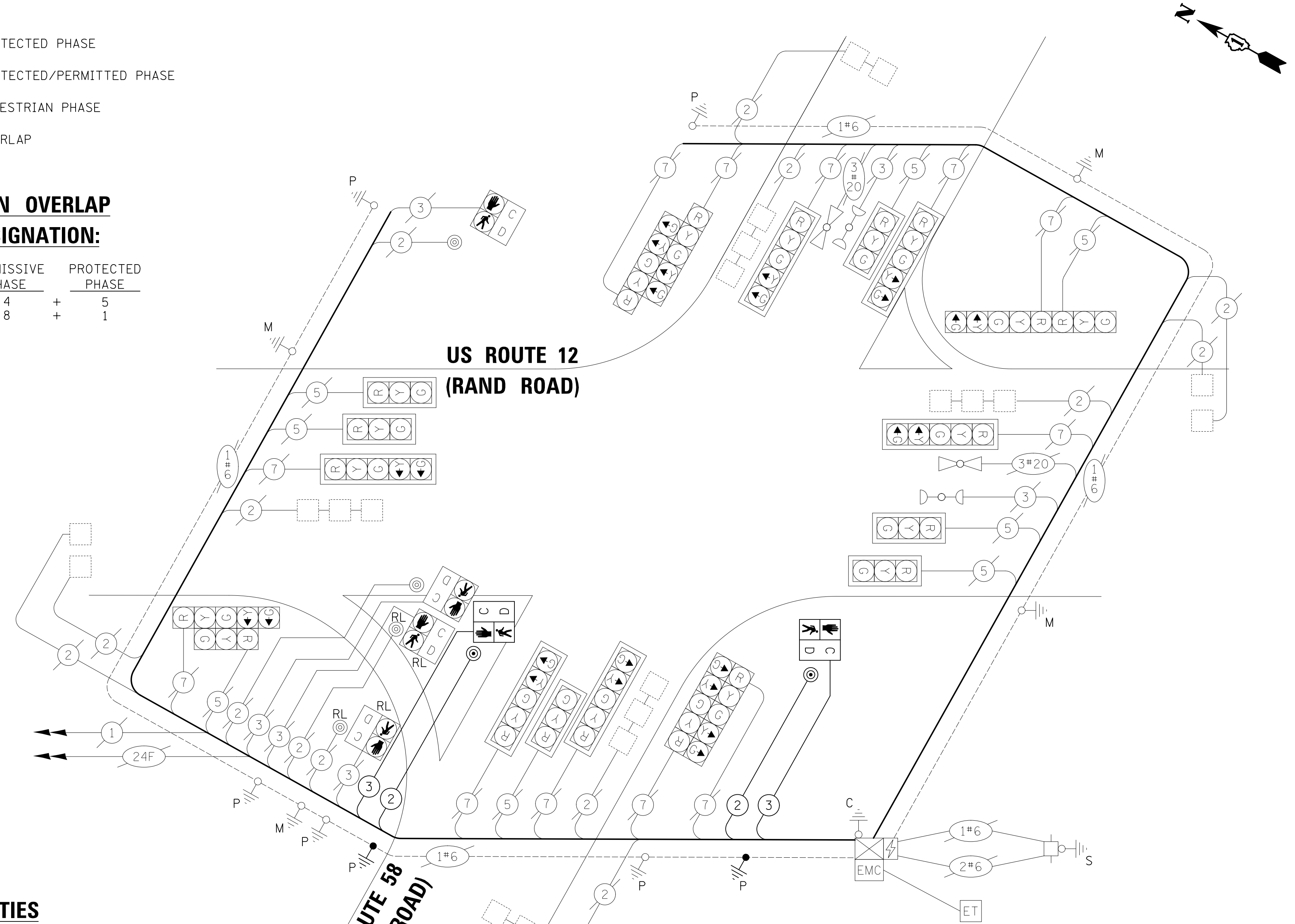


LEGEND:

- ← ⊙ ← PROTECTED PHASE
- ← ⊙ ← PROTECTED/PERMITTED PHASE
- ← ⊙ → PEDESTRIAN PHASE
- ← ⊙ OL OVERLAP

RIGHT TURN OVERLAP PHASE DESIGNATION:

OVERLAP LETTER	PERMISSIVE PHASE	PROTECTED PHASE
B	= 4	+ 5
D	= 8	+ 1



CABLE PLAN
(NOT TO SCALE)

SCHEDULE OF QUANTITIES

PAY ITEM	UNIT	QNTY.
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	16
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	18
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	367
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	381
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	58
CONCRETE FOUNDATION, TYPE A	FOOT	8
DRILL EXISTING HANDHOLE	EACH	4
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	2
PEDESTRIAN PUSH-BUTTON	EACH	2
RELOCATE EXISTING PEDESTRIAN SIGNAL HEAD	EACH	2
RELOCATE EXISTING PEDESTRIAN PUSH-BUTTON	EACH	2
RELOCATE EXISTING TRAFFIC SIGNAL POST	EACH	2
MODIFY EXISTING CONTROLLER	EACH	1
REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	53
REMOVE EXISTING CONCRETE FOUNDATION	EACH	2
PEDESTRIAN SIGNAL POST, 10 FT.	EACH	1
PEDESTRIAN SIGNAL POST, 5 FT.	EACH	1
CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	8

TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	20	11	50	110.0
(YELLOW)	20	20	5	20.0
(GREEN)	20	12	45	108.0
ARROW	24	10	10	24.0
PED. SIGNAL	6	20	100	120.0
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	-	150	100	-
BLANK-OUT SIGN	-	-	-	-
FLASHER	-	-	-	-
STREET NAME SIGN	-	-	-	-
LUMINAIRE	-	-	-	-
TOTAL =				507.0

ENERGY COSTS TO:
 VILLAGE OF DES PLAINES
 1420 MINER STREET
 DES PLAINES, IL 60016
 ENERGY SUPPLY: CONTACT: _____
 PHONE: _____
 COMPANY: COMED
 ACCOUNT NUMBER: _____

CIVILTECH
 Two Pierce Place, Suite 1400
 Itasca, Illinois 60143
 Tel: 630.773.3900 Fax: 630.773.3975
 www.civiltechinc.com

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 DRAWN - OJT
 CHECKED - JJE
 DATE - 12/28/2020

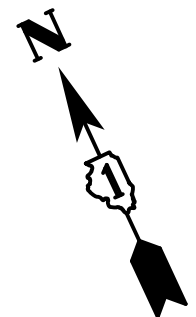
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CABLE PLAN, PHASE DESIGNATION DIAGRAM, EMERGENCY VEHICLE
 PREEMPTION SEQUENCE AND SCHEDULE OF QUANTITIES
 US ROUTE 12 (RAND ROAD) AND IL ROUTE 58 (GOLF ROAD)**

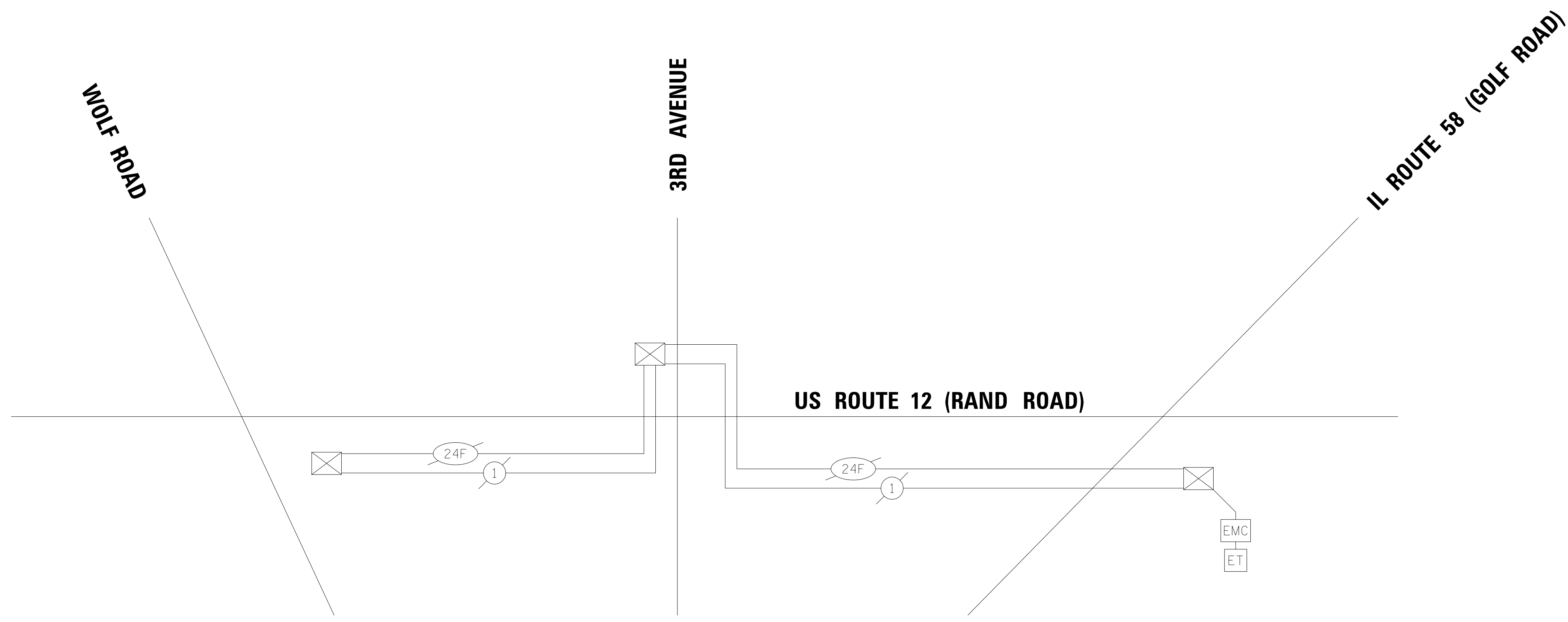
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	14-00221-00-BT	COOK	156	98
				CONTRACT NO. 61G57
ILLINOIS FED. AID PROJECT				

**TS 375
 ECON 201**



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

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
NOTE BOOK NO.	CHECKED		
	STRUCTURE NOTATION CHK'D		



INTERCONNECT SCHEDULE OF QUANTITIES

PAY ITEM	UNIT	QNTY.
REBUILD EXISTING HANDHOLE	EACH	5
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	1



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CHECKED - JJE	REVISED -
DATE - 12/28/2020	REVISED -

**STATE OF ILLINOIS
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**RAND ROAD SIDE PATH PEDESTRIAN INTERCONNECT SCHEMATIC
 US ROUTE 12 (RAND ROAD) – WOLF ROAD TO IL ROUTE 58 (GOLF ROAD)**

SHEET OF SHEETS STA. TO STA.

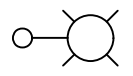
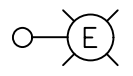
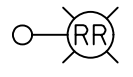




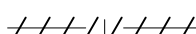

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	14-00221-00-BT	COOK	156	99
CONTRACT NO. 61G57				
ILLINOIS FED. AID PROJECT				

ECON 201

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

PROFILE	SURVEYED	DATE
NOTE BOOK NO.	PLOTTED	BY
	PRINTED	
	B.M. NOTED	
	STRUCTURE NOTATION CHK'D	

LEGEND

-  EXISTING LIGHTING UNIT (IDOT OWNED)
32 FT MH WITH LED LUMINAIRE (23,249 LUMENS)
-  EXISTING LIGHTING UNIT (IDOT OWNED)
32 FT MH WITH LED LUMINAIRE (15,519 LUMENS)
-  REMOVE AND RE-ERECT EXISTING LIGHTING UNIT (IDOT OWNED)
32 FT MH WITH LED LUMINAIRE (15,519 LUMENS)
-  PROPOSED UNIT DUCT (AS SPECIFIED IN PLANS)
-  EXISTING LIGHTING CONTROLLER
-  EXISTING CABLES
-  EXISTING AERIAL CABLES
-  REMOVE ELECTRIC CABLE FROM CONDUIT
-  REMOVE AERIAL CABLE

LIGHTING GENERAL NOTES

1. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS IN THE FIELD PRIOR TO ORDERING MATERIALS AND BEGINNING CONSTRUCTION.
2. PAY ITEMS IN THE SUMMARY OF QUANTITIES HAVE BEEN ESTIMATED. IF, IN THE ENGINEER'S OPINION, ANY WORK IS NOT REQUIRED, THAT ITEM WILL BE DEDUCTED FROM THE CONTRACT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
3. EXISTING LIGHTING WILL REMAIN OPERATIONAL AT ALL TIME FROM DUSK TO DAWN.
4. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO MARK THE PROPOSED LOCATIONS OF ALL LIGHT POLES FOR EXAMINATION AND CONFIRMATION WITH THE RESIDENT ENGINEER AT THE CONSTRUCTION INSPECTION.
5. THE CONTRACTOR SHALL VERIFY ALL UTILITY LOCATIONS PRIOR TO AUGURING FOR LIGHT POLE FOUNDATIONS. THE EXACT LOCATIONS FOR ALL ITEMS SHALL BE CONFIRMED WITH THE RESIDENT ENGINEER PRIOR TO STARTING WORK.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE ESTABLISHMENT OF FINISHED GRADE. THE RESIDENT ENGINEER MAY ASSIST THE CONTRACTOR, AS APPLICABLE, BUT THE RESPONSIBILITY FOR COORDINATING THE FINISHED GRADE ELEVATION WITH THE TOP OF FOUNDATIONS HEIGHTS AND THE LIGHT SHALL REMAIN WITH THE CONTRACTOR.
7. NO POLES SHALL BE ERECTED UNTIL THE RESPECTIVE FOUNDATIONS HAVE CURED, AS APPROVED BY THE ENGINEER.
8. TO MAINTAIN THE STRUCTURAL INTEGRITY OF LIGHT POLES WITH MAST ARMS, THEY SHALL NOT BE ERECTED AND LEFT TO STAND WITHOUT LUMINAIRES.
9. CONDUIT AND UNIT DUCT MUST BE POSITIONED IN THE FIELD TO AVOID CONFLICT WITH TREES, BUSHES, DRAINS, OTHER UTILITIES AND LANDSCAPING.
10. THE CABLE TRENCH SHALL BE BACKFILLED AND FIRMLY COMPACTED BEFORE ANY LIGHT STANDARD IS ERECTED.
11. ANY DAMAGE TO PAVEMENT, SIDEWALK, CURB, OR ANY OTHER PORTION OF THE ROADWAY NOT SPECIFICALLY TO BE REMOVED AND REPLACED SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR AT NO ADDITIONAL COST AND REPLACEMENT SHALL MEET THE APPROVAL OF THE ENGINEER.

LIGHTING BILL OF MATERIALS

ITEM	UNIT	TOTAL QUANTITY
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	605
UNIT DUCT, 600V, 3-1C NO.4, 1/C NO.6 GROUND, (XLP-TYPE USE), 1 1/4" DIA. POLYETHYLENE	FOOT	1679
LIGHT POLE FOUNDATION, 24" DIAMETER	FOOT	40
BREAKAWAY DEVICE, TRANSFORMER BASE, 11.5 INCH BOLT CIRCLE	EACH	4
REMOVAL OF POLE FOUNDATION	EACH	6
RELOCATE EXISTING LIGHTING UNIT	EACH	6
REMOVAL OF ELECTRIC SERVICE INSTALLATION	EACH	1
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	5512
LIGHT POLE FOUNDATION, 24" DIAMETER, OFFSET	FOOT	24
REMOVE AERIAL CABLE	FOOT	179
MAINTENANCE OF LIGHTING SYSTEM	CAL MO	7



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LIGHTING LEGEND, GENERAL NOTES, AND SUMMARY OF QUANTITIES

SHEET 1 OF 1 SHEETS STA. TO STA.

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