03-05-2021 LETTING ITEM 147

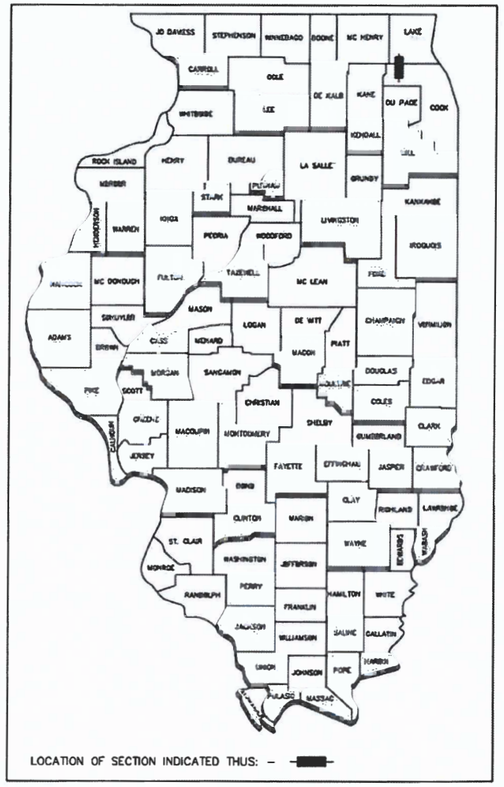
FOR INDEX OF SHEETS, SEE SHEET NO. 2

FOR INDEX OF HIGHWAY STANDARDS SEE SHEET NO. 2

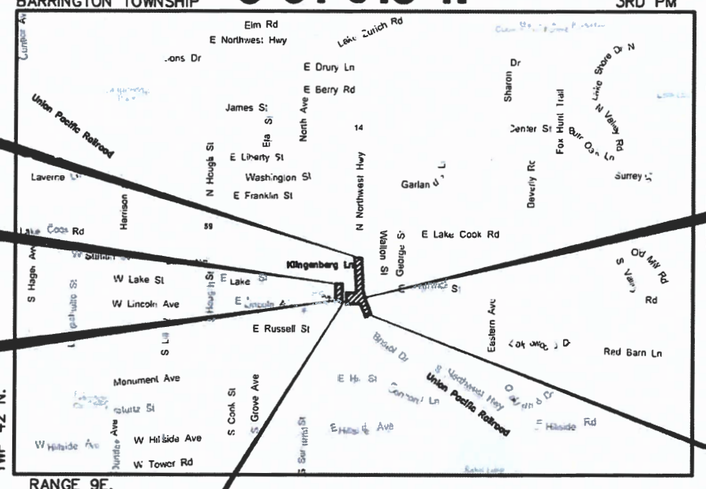
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	12-00089-00-PK	COOK	90	1
	ILLINOIS	CONTRACT NO. 61E91		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
PLANS FOR PROPOSED FEDERAL AID HIGHWAY

F.A.P. 305 U.S. ROUTE 14 (NORTHWEST HWY)
LAKE COOK ROAD TO EASTERN AVENUE
INTERSECTION IMPROVEMENTS
AND TRAFFIC SIGNAL INSTALLATION
SECTION: 12-00089-00-PK
PROJECT: Y3HR(634)
VILLAGE OF BARRINGTON
COOK COUNTY
C-91-018-17



LOCATION OF SECTION INDICATED THUS: —



BEGIN IMPROVEMENTS
STA. 331+70

END IMPROVEMENTS
STA. 13+99.6

BEGIN IMPROVEMENTS
STA. 10+10.6

END IMPROVEMENTS
STA. 3+08

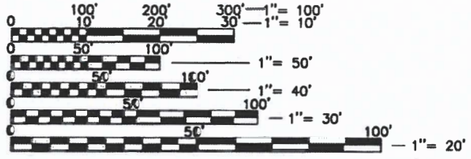
BEGIN IMPROVEMENTS
STA. 0+00

END IMPROVEMENTS
STA. 342+62

LOCATION MAP
(Not to Scale)

TRAFFIC DATA

ROAD NAME: NORTHWEST HWY (RT 14)
FUNCTIONAL CLASSIFICATION: PRINCIPAL ARTERIAL
POSTED SPEED LIMIT: 35 MPH
DESIGN SPEED: 40 MPH
ADT: 28,000 (2040)



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

ROADWAY PLANS (SHEETS)

MARK G. F. COBB
062-067573
LICENSED PROFESSIONAL ENGINEER
STATE OF ILLINOIS

SIGNED: _____ ENGINEER

DATE: 10/05/2020
EXP. 11/30/2021

SIGNAL PLANS (SHEETS)

DANIEL P. BRINKMAN
062-055293
LICENSED PROFESSIONAL ENGINEER OF ILLINOIS

SIGNED: _____ ENGINEER

DATE: 10/05/2020
EXP. 11/30/2021

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

Approved October 5, 2020
Village of Barrington, Director of Development Services

Passed Oct 26, 2020
District One Engineer of Local Roads & Streets

Releasing for Bid Based on Limited Review October 27, 2020
Regional Engineer

U.S. RTE 14 (NORTHWEST HWY) GROSS LENGTH = 1,092 FEET = (0.21 MILES)
METRA ACCESS ROAD GROSS LENGTH = 308 FEET = (0.06 MILES)
METRA INTERNAL ROAD GROSS LENGTH = 389 FEET = (0.07 MILES)
TOTAL GROSS AND NET LENGTH = 1,789 FEET = (0.34 MILES)

CONTRACT NO. 61E91

GHA GEWALT HAMILTON ASSOCIATES, INC.
625 Forest Edge Drive = Vernon Hills, IL 60061
TEL 847.478.9700 = FAX 847.478.9701
GHA JOB #4425.200

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

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

INDEX OF SHEETS

PAVING AND GRADING NOTES

1. ALL PAVEMENT DIMENSIONS SHOWN ON THE PLANS ARE TO THE EDGE OF PAVEMENT UNLESS OTHERWISE SPECIFIED.
2. BASE COURSE SHALL NOT BE PLACED ADJACENT TO CURB AND GUTTER UNTIL THE CURB AND GUTTER HAS BEEN PROPERLY BACKFILLED TO THE SATISFACTION OF THE ENGINEER.
3. HMA SURFACE COURSE SHALL NOT BE PLACED UNTIL ALL EARTH EXCAVATION, TOP SOIL PLACEMENT, AND HMA BINDER COURSE HAVE BEEN COMPLETED TO THE SATISFACTION OF THE ENGINEER.
4. SUBBASE SHALL BE MECHANICALLY COMPACTED PRIOR TO PLACING CURB AND GUTTER.
5. NO P.C.C. SHALL BE PLACED UNTIL THE FORMS HAVE BEEN INSPECTED FOR LINE, GRADE AND SUBGRADE CONDITIONS BY THE ENGINEER. CONTRACTOR SHALL ARRANGE FOR INSPECTIONS 24 HOURS IN ADVANCE OF ALL P.C.C. PLACEMENT.
6. ALL CURB AND GUTTER REMOVAL AND REPLACEMENT SHALL BE COMPLETED PRIOR TO PLACING ANY BITUMINOUS MATERIAL ON THE STREET.

GENERAL NOTES

1. THE ILLINOIS DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", ADOPTED APRIL 1, 2016, THE "STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS" LATEST EDITION, PROJECT SPECIFICATIONS, ALL APPLICABLE REQUIREMENTS OF THE ILLINOIS ENVIRONMENTAL PROTECTION AGENCY, THE VILLAGE OF BARRINGTON, ALL APPLICABLE REQUIREMENTS OF THE ORDINANCES OR AUTHORITIES HAVING JURISDICTION AND ALL ADDENDA THERETO SHALL GOVERN THIS WORK.
2. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ASCERTAIN EXISTING FIELD CONDITIONS PRIOR TO BIDDING ON THIS PROJECT.
3. THE CONTRACTOR SHALL LIMIT HIS CONSTRUCTION ACTIVITIES TO THE WORK AREAS DESIGNATED ON THE PLANS OR AS DETERMINED BY THE ENGINEER. ANY DAMAGE TO AREAS OUTSIDE OF THESE LIMITS SHALL BE REPAIRED BY THE CONTRACTOR TO THE SATISFACTION OF THE ENGINEER.
4. WHERE SECTION OR SUBSECTION MONUMENTS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED. THE CONTRACTOR SHALL CAREFULLY PRESERVE ALL PROPERTY MARKERS AND MONUMENTS UNTIL THE OWNER, AN AUTHORIZED SURVEYOR OR AGENT HAS WITNESSED OR OTHERWISE REFERENCED EACH LOCATION.
5. THE SUBGRADE STABILITY SHALL BE VERIFIED BY PROOF ROLLING WITH A FULLY LOADED TANDEM–AXLE TRUCK.
6. AGGREGATE SUBGRADE IMPROVEMENT (CU YD) HAS BEEN PROVIDED FOR USE AT THE LOCATIONS INDICATED FOR SOILS THAT TEND TO BE UNSTABLE AND/OR UNSUITABLE. THE ACTUAL NEED FOR REMOVAL AND REPLACEMENT WITH ASI WILL BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION BY THE GEOTECHNICAL ENGINEER. ALL POTENTIALLY UNSTABLE SOILS SHOULD BE TESTED WITH A STATIC OR DYNAMIC CONE PENETROMETER AND TREATED IN ACCORDANCE WITH ARTICLE 301.04 OF THE SSRBC AND IDOT SUBGRADE STABILITY MANUAL. IF UNSTABLE AND/OR UNSUITABLE SOILS ARE NOT ENCOUNTERED, THEN THE QUANTITY SHALL BE DEDUCTED AND NO ADDITIONAL COMPENSATION WILL BE DUE TO THE CONTRACTOR.
7. ANY AGGREGATE SUBGRADE IMPROVEMENT CONTAMINATED AND/OR DAMAGED BY THE CONTRACTOR'S VEHICLES AND/OR EQUIPMENTS IS TO BE REMOVED AND REPLACED AS DIRECTED BY THE ENGINEER AT CONTRACTORS EXPENSE.
8. PIPE UNDERDRAINS SHALL BE INSTALLED ACCORDING TO SECTION 601 OF THE SSRBC AND STANDARD 601001–05. TOP OF PIPE UNDERDRAINS SHALL BE PLACE MINIMUM 6" BELOW THE AGGREGATE SUBGRADE IMPROVEMENT LAYER. THE COST OF MAKING PIPE UNDERDRAINS CONNECTIONS TO DRAINAGE STRUCTURES SHALL BE INCLUDED IN THE COST OF THE PIPE UNDERDRAINS.
9. BACKFILLING STORM SEWER CONSTRUCTED UNDER THE ROADWAY SPECIFIED UNDER ART. 550.07(b,c) OF THE SSRBC WILL NOT BE ALLOWED.
10. THE CONTRACTOR SHALL CONTACT THE IDOT DISTRICT 1 TRAFFIC CONTROL SUPERVISOR AT Kalpana.Kannan–Hosadurga@illinois.gov A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
11. IT IS THE CONTRACTORS SOLE RESPONSIBILITY TO COORDINATE WITH THE UNION PACIFIC RAILROAD WHENEVER CONSTRUCTION ACTIVITY IS WITHIN 25 FEET OF THE RAILROAD ROW. THE CONTRACTOR SHALL RETAIN FLAGMEN EMPLOYED AND DESIGNATED BY THE UNION PACIFIC RAILROAD TO MONITOR ON–COMING TRAIN TRAFFIC, AND ADVISE CONTRACTOR PERSONNEL WHEN ACTIVITY ON OR NEAR THE 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.
12. CONTRACTOR SHALL PROVIDE AT LEAST 48 HOURS NOTICE PRIOR TO WORK AFFECTING BUSINESS/PROPERTY ACCESS.

SIGNING

1. ALL SIGN POSTS SHALL CONFORM TO VILLAGE STANDARDS
2. ALL SIGNS NOT REQUIRED FOR REUSE AFTER CONSTRUCTION IS COMPLETED SHALL REMAIN THE PROPERTY OF THE IDOT. THE CONTRACTOR SHALL BE REQUIRED TO STORE THEM AT THE JOBSITE FOR PICKUP BY IDOT.

DISTRICT ONE DETAILS

BD–7	DETAIL OF STORM SEWER CONNECTION TO EXISTING SEWER
BD–8	DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING
BD–22	PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT
BD–32	BUTT JOINT AND HMA TAPER DETAILS
BD–34	DETAILS FOR DEPRESSED CURB AND GUTTER AND SHOULDER TREATMENT AT TBT TY–1 SPECIAL
TC–10	TRAFFIC CONTROL AND PROTECTION FOR SIDEROADS INTERSECTIONS AND DRIVEWAYS
TC–11	RAISED REFLECTIVE PAVEMENT MARKERS (SNOW–PLOW RESISTANT)
TC–13	DISTRICT ONE TYPICAL PAVEMENT MARKINGS
TC–14	TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC)
TC–16	SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS
TC–22	ARTERIAL ROAD INFORMATION SIGN
TC–26	DRIVEWAY ENTRANCE SIGNING
TS–02	DISTRICT ONE MAST ARM MOUNTED STREET NAME SIGNS
TS–05	DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS

STATE STANDARDS

000001–08	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
424001–11	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
424011–04	CORNER PARALLEL CURB RAMPS FOR SIDEWALKS
424016–05	MID–BLOCK CURB RAMPS FOR SIDEWALKS
424021–06	DEPRESSED CORNER FOR SIDEWALKS
424026–03	ENTRANCE/ALLEY PEDESTRIAN CROSSINGS
442201–03	CLASS C AND D PATCHES
601001–05	PIPE UNDERDRAINS
602001–02	CATCH BASIN TYPE A
602301–04	INLET TYPE A
602306–03	INLET TYPE B
602401–07	PRECAST MANHOLE TYPE A 4' (1.22m) DIAMETER
602701–02	MANHOLE STEPS
604036–03	GRATE TYPE 8
604051–04	FRAME AND GRATE TYPE 11
604056–04	FRAME AND GRATE TYPE 11v
604086–04	FRAME AND GRATE TYPE 23
606001–07	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
606301–04	PC CONCRETE ISLANDS AND MEDIANS
630001–12	STEEL PLATE BEAM GUARDRAIL
631011–10	TRAFFIC BARRIER TERMINAL, TYPE 2
641006–01	SIGHT SCREEN WOOD PLANK FENCE TYPE P
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 OPERATION FOR SPEEDS ≤ 40 MPH
701501–06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701502–09	URBAN LANE CLOSURE, 2L, 2W, WITH BIDIRECTIONAL LEFT TURN LANE
701602–10	URBAN LANE CLOSURE, MULTILANE, 2W WITH BIDIRECTIONAL LEFT TURN LANE
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
780001–05	TYPICAL PAVEMENT MARKINGS
781001–04	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS
782006–01	GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS
814001–03	HANDHOLES
814006–03	DOUBLE HANDHOLES
857001–01	STANDARD PHASE DESIGNATION DIAGRAMS AND PHASE SEQUENCES
862001–01	UNINTERRUPTABLE POWER SUPPLY (UPS)
877001–08	STEEL MAST ARM ASSEMBLY AND POLE 16' THROUGH 55'
877006–06	STEEL MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS
878001–11	CONCRETE FOUNDATION DETAILS
886001–01	DETECTOR LOOP INSTALLATIONS

NOTE:

CONSTRUCTION MEANS, METHODS AND JOBSITE SAFETY IS THE SOLE AND EXCLUSIVE RESPONSIBILITY OF THE CONTRACTOR.

FILE NAME = 4425.200–DT1.dwg	USER NAME = MARK COBB	DESIGNED - KLB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INDEX OF SHEETS, GENERAL NOTES, HIGHWAY STANDARDS U.S. RTE 14 (NORTHWEST HWY) AT METRA STATION ACCESS VILLAGE OF BARRINGTON, ILLINOIS
		DRAWN - GW3	REVISED -		
	PLOT SCALE = 1" = .1667'	CHECKED - KLB	REVISED -		SCALE: NONE | SHEET NO. 1 OF 1 SHEETS | STA. | TO STA.
	PLOT DATE = 1/29/2021 10:36 AM	DATE - 10/12/2020	REVISED -		

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	12–00089–00–PK	COOK	90	2
		CONTRACT #:	61E91	
		ILLINOIS FED. AID PROJECT		

SUMMARY OF QUANTITIES

			CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE 80% FEDERAL / 20% BARRINGTON 0004
#			20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	300	300
#			20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	50	50
			20101000	TEMPORARY FENCE	FOOT	200	200
#			20101100	TREE TRUNK PROTECTION	EACH	3	3
#			20101200	TREE ROOT PRUNING	EACH	3	3
			20200100	EARTH EXCAVATION	CU YD	3,920	3,920
			20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	500	500
			20700220	POROUS GRANULAR EMBANKMENT	CU YD	50	50
			20800150	TRENCH BACKFILL	CU YD	250	250
			21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	2,500	2,500
			21101600	TOPSOIL FURNISH AND PLACE, VARIABLE DEPTH	SQ YD	2,300	2,300
#			25000400	NITROGEN FERTILIZER NUTRIENT	POUND	45	45
#			25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	45	45
#			25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	45	45
#			25000210	SEEDING, CLASS 2A	ACRE	0.50	0.5
#			25100630	EROSION CONTROL BLANKET	SQ YD	2,300	2,300

- SPECIALTY ITEM SP - SPECIAL PROVISION X - Construction Code 042 XX - 100% Cost to the Village of Barrington

FILE NAME = 4425.200-DT1.dwg	USER NAME = MARK COBB	DESIGNED - KLB	REVISED -
		DRAWN - GW3	REVISED -
	PLOT SCALE = 1" = .1667'	CHECKED - KLB	REVISED -
	PLOT DATE = 10/12/2020 3:32 PM	DATE - 10/12/2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
U.S. RTE 14 (NORTHWEST HWY) AT METRA STATION ACCESS
VILLAGE OF BARRINGTON, ILLINOIS
SCALE NONE | SHEET NO. 1 OF 11 SHEETS | STA. | TO STA.

F.A.P. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	12-00089-00-PK	COOK	90	3
		CONTRACT #:	61E91	
		ILLINOIS FED. AID PROJECT		

SUMMARY OF QUANTITIES

			CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE 80% FEDERAL / 20% BARRINGTON 0004
			28000400	PERIMETER EROSION BARRIER	FOOT	670	670
			28000500	INLET AND PIPE PROTECTION	EACH	1	1
			28000510	INLET FILTERS	EACH	25	25
	SP		30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	500	500
	SP		30300112	AGGREGATE SUBGRADE IMPROVEMENT 12"	SQ YD	2,100	2,100
			35101600	AGGREGATE BASE COURSE, TYPE B, 4"	SQ YD	1,250	1,250
			35102000	AGGREGATE BASE COURSE, TYPE B 8"	SQ YD	2,000	2,000
			35300300	PORTLAND CEMENT CONCRETE BASE COURSE 8"	SQ YD	55	55
			40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	760	760
			40604060	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N50	TON	310	310
			40700100	BITUMINOUS MATERIALS (TACK COAT)	POUND	1,000	1,000
			40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	10	10
			42000501	PORTLAND CEMENT CONCRETE PAVEMENT 10" (JOINTED)	SQ YD	775	775
			42001300	PROTECTIVE COAT	SQ YD	1,328	1,328
			42300400	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH	SQ YD	110	110
			42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	5,060	5,060

- SPECIALTY ITEM SP - SPECIAL PROVISION X - Construction Code 042 XX - 100% Cost to the Village of Barrington

FILE NAME = 4425.200-DT1.dwg	USER NAME = MARK COBB	DESIGNED - KLB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
		DRAWN - GW3	REVISED -	
	PLOT SCALE = 1" = .1667'	CHECKED - KLB	REVISED -	
	PLOT DATE = 10/12/2020 3:32 PM	DATE - 10/12/2020	REVISED -	

SUMMARY OF QUANTITIES
U.S. RTE 14 (NORTHWEST HWY) AT METRA STATION ACCESS
VILLAGE OF BARRINGTON, ILLINOIS

SCALE: NONE | SHEET NO. 2 OF 11 SHEETS | STA. | TO STA.

F.A.P. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	12-00089-00-PK	COOK	90	4
		CONTRACT #:	61E91	
		ILLINOIS FED. AID PROJECT		

SUMMARY OF QUANTITIES

			CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE 80% FEDERAL / 20% BARRINGTON 0004
			42400410	PORTLAND CEMENT CONCRETE SIDEWALK 8 INCH	SQ FT	1,730	1,730
			42400800	DETECTABLE WARNINGS	SQ FT	150	150
			44000100	PAVEMENT REMOVAL	SQ YD	2,750	2,750
			44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	355	355
			44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	2,150	2,150
			44000600	SIDEWALK REMOVAL	SQ FT	2,280	2,280
			44201292	DOWEL BARS 5/8"	EACH	230	230
			50200100	STRUCTURE EXCAVATION	CU YD	975	975
			50200450	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL FOR STRUCTURES	CU YD	50	50
			50300300	PROTECTIVE COAT	SQ YD	127	127
	SP		52200500	MECHANICALLY STABILIZED EARTH RETAINING WALL	SQ FT	1,490	1,490
			52200800	SEGMENTAL CONCRETE BLOCK WALL	SQ FT	1,235	1,235
			550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	FOOT	330	330
			550A0360	STORM SEWERS, CLASS A, TYPE 2 15"	FOOT	40	40
#	SP		56400400	FIRE HYDRANTS TO BE RELOCATED	EACH	1	1
#	SP		56400510	FIRE HYRANTS TO BE REMOVED AND REPLACED	EACH	1	1

- SPECIALTY ITEM SP - SPECIAL PROVISION X - Construction Code 042 XX - 100% Cost to the Village of Barrington

FILE NAME = 4425.200-DT1.dwg	USER NAME = MARK COBB	DESIGNED - KLB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES U.S. RTE 14 (NORTHWEST HWY) AT METRA STATION ACCESS VILLAGE OF BARRINGTON, ILLINOIS	F.A.P. RTE. 305	SECTION 12-00089-00-PK
		DRAWN - GW3	REVISED -				COUNTY COOK
	PLOT SCALE = 1" = .1667'	CHECKED - KLB	REVISED -				TOTAL SHEETS 90
	PLOT DATE = 10/12/2020 3:32 PM	DATE - 10/12/2020	REVISED -		SCALE: NONE | SHEET NO. 3 OF 11 SHEETS | STA. TO STA.		SHEET NO. 5
							CONTRACT # 61E91
							ILLINOIS | FED. AID PROJECT

SUMMARY OF QUANTITIES

			CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE 80% FEDERAL / 20% BARRINGTON 0004
			60108204	PIPE UNDERDRAINS, TYPE 2, 4"	FOOT	380	380
			60201105	CATCH BASINS, TYPE A, 4' DIAMETER, TYPE 11 FRAME AND GRATE	EACH	3	3
			60219300	MANHOLES, TYPE A, 4' DIAMETER, TYPE 11 FRAME AND GRATE	EACH	2	2
			60236800	INLETS, TYPE A, TYPE 11 FRAME AND GRATE	EACH	5	5
			60250200	CATCH BASINS TO BE ADJUSTED	EACH	6	6
			60255500	MANHOLES TO BE ADJUSTED	EACH	2	2
			60406100	FRAMES AND LIDS, TYPE 1, CLOSED LID	EACH	1	1
			60600605	CONCRETE CURB, TYPE B	FOOT	60	60
			60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	2,250	2,250
			60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	450	450
#			63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	425	425
#			63100045	TRAFFIC BARRIER TERMINAL, TYPE 2	EACH	4	4
			63200310	GUARDRAIL REMOVAL	FOOT	360	360
#			64100115	SIGHT SCREEN (WOODEN FENCE), TYPE P 6'	FOOT	500	500
#	SP		66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	160	160
#	SP		66900530	SOIL DISPOSAL ANALYSIS	EACH	6	6

- SPECIALTY ITEM SP - SPECIAL PROVISION X - Construction Code 042 XX - 100% Cost to the Village of Barrington

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	12-00089-00-PK	COOK	90	6
		CONTRACT #:	61E91	
		ILLINOIS FED. AID PROJECT		

SUMMARY OF QUANTITIES

			CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE 80% FEDERAL / 20% BARRINGTON 0004
#	SP		66901001	REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	LSUM	1	1
#	SP		66901003	REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	LSUM	1	1
#	SP		66901006	REGULATED SUBSTANCES MONITORING	CAL DAY	8	8
			67100100	MOBILIZATION	LSUM	1	1
			70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	LSUM	1	1
			70102622	TRAFFIC CONTROL AND PROTECTION, STANDARD 701502	LSUM	1	1
			70102632	TRAFFIC CONTROL AND PROTECTION, STANDARD 701602	LSUM	1	1
			70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	LSUM	1	1
			70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	LSUM	1	1
			70107025	CHANGEABLE MESSAGE SIGN	CAL DAY	40	40
			70300100	SHORT TERM PAVEMENT MARKING	FOOT	3,600	3,600
			70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	1,200	1,200
			70300210	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS	SQ FT	310	310
			70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	2,975	2,975
			70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	590	590
			70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	185	185

- SPECIALTY ITEM SP - SPECIAL PROVISION X - Construction Code 042 XX - 100% Cost to the Village of Barrington

SUMMARY OF QUANTITIES

			CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE 80% FEDERAL / 20% BARRINGTON 0004
#			72000100	SIGN PANEL - TYPE 1	SQ FT	18	18
#			72000200	SIGN PANEL - TYPE 2	SQ FT	17.5	17.5
#			72400100	REMOVE SIGN PANEL ASSEMBLY - TYPE A	EACH	8	8
#			78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	140	140
#			78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	900	900
#			78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	160	160
#			78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	20	20
#			78001180	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	70	70
#			78009000	MODIFIED URETHANE PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	170	170
#			78009004	MODIFIED URETHANE PAVEMENT MARKING - LINE 4"	FOOT	2,100	2,100
#			78009006	MODIFIED URETHANE PAVEMENT MARKING - LINE 6"	FOOT	430	430
#			78009012	MODIFIED URETHANE PAVEMENT MARKING - LINE 12"	FOOT	340	340
#			78009024	MODIFIED URETHANE PAVEMENT MARKING - LINE 24"	FOOT	125	125
#			78200005	GUARDRAIL REFLECTORS, TYPE A	EACH	15	15
#			81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIAMETER	FOOT	909	909

- SPECIALTY ITEM SP - SPECIAL PROVISION X - Construction Code 042 XX - 100% Cost to the Village of Barrington

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	12-00089-00-PK	COOK	90	8
		CONTRACT #: 61E91		
	ILLINOIS FED. AID PROJECT			

SUMMARY OF QUANTITIES

			CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE 80% FEDERAL / 20% BARRINGTON 0004
#			81028220	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIAMETER	FOOT	111	111
#			81028240	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIAMETER	FOOT	297	297
#			81400100	HANDHOLE	EACH	2	2
#			81400200	HEAVY-DUTY HANDHOLE	EACH	1	1
#			81400300	DOUBLE HANDHOLE	EACH	2	2
#	SP		85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	2	2
#			86400100	TRANSCEIVER - FIBER OPTIC	EACH	1	1
#			87300925	ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	FOOT	1,225	1,225
#			87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	369	369
#			87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	628	628
#			87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	1,557	1,557
#			87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	653	653
#			87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	1,730	1,730
#			87301805	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2C	FOOT	125	125
#			87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	640	640
#			87502500	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	1	1

- SPECIALTY ITEM SP - SPECIAL PROVISION X - Construction Code 042 XX - 100% Cost to the Village of Barrington

FILE NAME = 4425.200-DT1.dwg	USER NAME = MARK COBB	DESIGNED - KLB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES U.S. RTE 14 (NORTHWEST HWY) AT METRA STATION ACCESS VILLAGE OF BARRINGTON, ILLINOIS	F.A.P. RTE. 305	SECTION 12-00089-00-PK	COUNTY COOK	TOTAL SHEETS 90	SHEET NO. 9
		DRAWN - GW3	REVISED -							
	PLOT SCALE = 1" = .1667'	CHECKED - KLB	REVISED -					CONTRACT # 61E91		
	PLOT DATE = 10/12/2020 3:33 PM	DATE - 10/12/2020	REVISED -		SCALE NONE | SHEET NO. 7 OF 11 SHEETS | STA. TO STA.			ILLINOIS FED. AID PROJECT		

SUMMARY OF QUANTITIES

			CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE 80% FEDERAL / 20% BARRINGTON 0004
#			87700140	STEEL MAST ARM ASSEMBLY AND POLE, 20 FT.	EACH	1	1
#			87700180	STEEL MAST ARM ASSEMBLY AND POLE, 28 FT.	EACH	1	1
#			87700220	STEEL MAST ARM ASSEMBLY AND POLE, 36 FT.	EACH	1	1
#			87800100	CONCRETE FOUNDATION, TYPE A	FOOT	8	8
#			87800150	CONCRETE FOUNDATION, TYPE C	FOOT	4	4
#			87800400	CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	48	48
#			87900200	DRILL EXISTING HANDHOLE	EACH	3	3
#			88030020	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	8	8
#			88030050	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	2	2
#			88030100	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	1	1
#			88030110	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	3	3
#			88102717	PEDESTRIAN SIGNAL HEAD,LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	2	2
#			88200410	TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	11	11
#			88500100	INDUCTIVE LOOP DETECTOR	EACH	5	5
#			88600100	DETECTOR LOOP, TYPE I	FOOT	254	254
#			88700200	LIGHT DETECTOR	EACH	2	2

- SPECIALTY ITEM SP - SPECIAL PROVISION X - Construction Code 042 XX - 100% Cost to the Village of Barrington

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	12-00089-00-PK	COOK	90	10
		CONTRACT #:	61E91	
		ILLINOIS FED. AID PROJECT		

SUMMARY OF QUANTITIES

			CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE 80% FEDERAL / 20% BARRINGTON 0001
#			88700300	LIGHT DETECTOR AMPLIFIER	EACH	1	1
#			88800100	PEDESTRIAN PUSH-BUTTON	EACH	2	2
#			89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	1,970	1,970
#			89502350	REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	811	811
#			A2002116	TREE, AESCULUIS HIPPOCASTANUM (COMMON HORSECHESTNUT), 2" CALIPER, BALLED AND BURLAPPED	EACH	8	8
#			A2004416	TREE, GINKGO BILOBA (GINKGO), 2" CALIPER, BALLED AND BURLAPPED	EACH	7	7
#			A2005016	TREE, GYMNOCLADUS DIOICUS (KENTUCKY COFFEETREE), 2" CALIPER, BALLED AND BURLAPPED	EACH	8	8
#			A2006516	TREE, QUERCUS BICOLOR (SWAMP WHITE OAK), 2" CALIPER, BALLED AND BURLAPPED	EACH	6	6
#	SP		K0026830	SHRUB REMOVAL	EACH	10	10
#	SP		X0324085	EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	245	245
#	SP		X0324534	REMOVE AND REINSTALL LIGHT POLES	LSUM	1	1
#	SP		X0324599	ROD AND CLEAN EXISTING CONDUIT	FOOT	465	465
#	SP		X0325110	BIAXIAL GEOGRID	SQ YD	148	148
#	SP		X0325318	LIGHTWEIGHT CELLULAR CONCRETE FILL	CU YD	884	884
	SP		X0326275	RAILROAD RIGHT-OF-WAY ENTRY PERMIT	EACH	1	1
#	SP		X0326657	RELOCATE SIGN, SPECIAL	EACH	1	1

- SPECIALTY ITEM SP - SPECIAL PROVISION X - Construction Code 042 XX - 100% Cost to the Village of Barrington

SUMMARY OF QUANTITIES

			CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE 80% FEDERAL / 20% BARRINGTON 0001
	SP		X0326694	PLUG EXISTING STORM SEWERS	CU YD	1	1
	SP		X0326802	UTILITY STRUCTURE REMOVAL	EACH	4	4
	SP		78300202	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	600	600
#	SP		X1400081	FULL-ACTUATED CONTROLLER AND TYPE SUPER P CABINET (SPECIAL)	EACH	1	1
#	SP		X1400150	SERVICE INSTALLATION, GROUND MOUNTED, METERED	EACH	1	1
#	SP		X1400201	RADAR VEHICLE DETECTION SYSTEM, SINGLE APPROACH, STOP BAR	EACH	1	1
#	SP		X1400217	TERMINATE FIBER IN CABINET	EACH	6	6
#	SP		X1400219	SPLICE FIBER IN CABINET	EACH	6	6
	SP		X2010510	CLEARING AND GRUBBING	LSUM	1	1
	SP		X4022000	TEMPORARY ACCESS (COMMERCIAL ENTRANCE)	EACH	8	8
	SP		X6026050	SANITARY MANHOLES TO BE ADJUSTED	EACH	2	2
	SP		X6700410	ENGINEER'S FIELD OFFICE, TYPE A (SPECIAL)	CAL MO	6	6
	SP		X7030005	TEMPORARY PAVEMENT MARKING REMOVAL	SQ FT	1,800	1,800
	SP		X7240300	SIGN REMOVAL	EACH	2	2
#	SP		X8620200	UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	1	1
#	SP		X8710024	FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM24F	FOOT	1,225	1,225

- SPECIALTY ITEM SP - SPECIAL PROVISION X - Construction Code 042 XX - 100% Cost to the Village of Barrington

SUMMARY OF QUANTITIES

			CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE 80% FEDERAL / 20% BARRINGTON 0004
	SP		Z0004002	BOLLARDS	EACH	3	3
	SP		Z0004514	HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 4"	SQ YD	730	730
	SP		Z0013798	CONSTRUCTION LAYOUT	LSUM	1	1
	SP		Z0018700	DRAINAGE STRUCTURE TO BE REMOVED	EACH	5	5
	SP		Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	51.4	51.4
#	SP		Z0033046	RE OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 2	EACH	1	1
	SP		Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	LSUM	1	1
#	SP		Z0051500	REMOVING AND RESETTING STREET SIGNS	EACH	5	5
	SP	X	Z0076600	TRAINEES	HOUR	500	500
	SP	X	Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	HOUR	500	500
#	SP		87702115	STEEL MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS, 10 FT. AND 32 FT.	EACH	1	1

- SPECIALTY ITEM SP - SPECIAL PROVISION X - Construction Code 042 XX - 100% Cost to the Village of Barrington

FILE NAME = 4425.200-DT1.dwg	USER NAME = MARK COBB	DESIGNED - KLB	REVISED -
		DRAWN - GW3	REVISED -
	PLOT SCALE = 1" = .1667'	CHECKED - KLB	REVISED -
	PLOT DATE = 10/12/2020 3:33 PM	DATE - 10/12/2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
U.S. RTE 14 (NORTHWEST HWY) AT METRA STATION ACCESS
VILLAGE OF BARRINGTON, ILLINOIS

SCALE NONE | SHEET NO. 11 OF 11 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	12-00089-00-PK	COOK	90	13
		CONTRACT #:	61E91	
		ILLINOIS FED. AID PROJECT		

RTE 14 (NORTHWEST HIGHWAY) EARTHWORK SCHEDULE OF QUANTITIES

STATION	DISTANCE	EARTH EXCAVATION END AREAS (SQ FT)		EARTH EXCAVATION AVERAGE END AREA (SQ FT)		EARTH EXCAVATION SECTION VOLUMES (CU YD)		EARTH EXCAVATION CUMULATIVE VOLUMES (CU YD)		CUMULATIVE EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-)
		CUT	FILL	CUT	FILL	CUT	FILL	CUT	FILL	
331+50.00		0.00	0.00							
331+70.00	20.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
332+00.00	30.00	27.22	0.00	13.61	0.00	15.12	0.00	15.12	0.00	15.12
332+17.00	17.00	3.23	8.03	15.23	4.02	9.59	2.53	24.71	2.53	22.18
332+33.00	16.00	29.72	0.00	16.48	4.02	9.76	2.38	34.47	4.91	29.56
332+50.00	17.00	15.83	0.00	22.78	0.00	14.34	0.00	48.81	4.91	43.90
332+80.00	30.00	16.70	0.00	16.27	0.00	18.07	0.00	66.88	4.91	61.98
333+00.00	20.00	12.77	0.00	14.74	0.00	10.91	0.00	77.80	4.91	72.89
333+50.00	50.00	0.00	0.00	6.39	0.00	11.82	0.00	89.62	4.91	84.72
334+00.00	50.00	18.97	0.00	9.49	0.00	17.56	0.00	107.19	4.91	102.28
334+47.00	47.00	12.67	0.00	15.82	0.00	27.54	0.00	134.73	4.91	129.82
334+50.00	3.00	13.14	0.00	12.91	0.00	1.43	0.00	136.16	4.91	131.25
334+83.00	33.00	20.43	0.00	16.79	0.00	20.52	0.00	156.67	4.91	151.77
335+00.00	17.00	18.50	0.00	19.47	0.00	12.26	0.00	168.93	4.91	164.02
335+50.00	50.00	23.48	1.41	20.99	0.71	38.87	1.31	207.80	6.21	201.59
336+00.00	50.00	46.90	0.00	35.19	0.71	65.17	1.31	272.97	7.52	265.45
336+05.00	5.00	45.37	0.00	46.14	0.00	8.54	0.00	281.51	7.52	273.99
336+50.00	45.00	36.54	1.46	40.96	0.73	68.26	1.22	349.77	8.74	341.03
336+78.00	28.00	41.94	0.00	39.24	0.73	40.69	0.76	390.46	9.49	380.97
337+00.00	22.00	37.26	0.01	39.60	0.01	32.27	0.00	422.73	9.50	413.23
337+39.00	39.00	34.66	0.00	35.96	0.01	51.94	0.01	474.67	9.50	465.17
337+50.00	11.00	43.02	0.00	38.84	0.00	15.82	0.00	490.50	9.50	480.99
337+54.00	4.00	43.92	0.00	43.47	0.00	6.44	0.00	496.94	9.50	487.43
337+88.00	34.00	32.01	0.00	37.97	0.00	47.81	0.00	544.74	9.50	535.24
338+00.00	12.00	33.92	0.00	32.97	0.00	14.65	0.00	559.39	9.50	549.89
338+50.00	50.00	9.67	0.00	21.80	0.00	40.36	0.00	599.76	9.50	590.25
338+64.00	14.00	13.97	0.00	11.82	0.00	6.13	0.00	605.88	9.50	596.38
338+85.00	21.00	35.37	0.00	24.67	0.00	19.19	0.00	625.07	9.50	615.57
339+00.00	15.00	20.07	8.11	27.72	4.06	15.40	2.25	640.47	11.76	628.72
339+20.00	20.00	38.77	0.00	29.42	4.06	21.79	3.00	662.26	14.76	647.50
339+50.00	30.00	13.45	0.00	26.11	0.00	29.01	0.00	691.28	14.76	676.52
339+77.00	27.00	0.00	0.00	6.73	0.00	6.73	0.00	698.00	14.76	683.24
340+00.00	23.00	0.00	0.00	0.00	0.00	0.00	0.00	698.00	14.76	683.24
340+50.00	50.00	0.00	0.00	0.00	0.00	0.00	0.00	698.00	14.76	683.24
341+00.00	50.00	0.00	0.00	0.00	0.00	0.00	0.00	698.00	14.76	683.24
341+30.00	30.00	0.00	0.00	0.00	0.00	0.00	0.00	698.00	14.76	683.24

FILE NAME = 4425.200-DT1.dwg

USER NAME = MARK COBB

PLOT SCALE = 1" = .1667'

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CHECKED - KLB | REVISED -

DATE - 10/12/2020 | REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EARTHWORK SCHEDULE OF QUANTITIES
U.S. RTE 14 (NORTHWEST HWY) AT METRA STATION ACCESS
VILLAGE OF BARRINGTON, ILLINOIS

SCALE: NONE | SHEET NO. 1 OF 2 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	12-00089-00-PK	COOK	90	14
		CONTRACT #: 61E91		
		ILLINOIS FED. AID PROJECT		

METRA ACCESS ROAD EARTHWORK SCHEDULE OF QUANTITIES

STATION	DISTANCE	EARTH EXCAVATION END AREAS (SQ FT)		EARTH EXCAVATION AVERAGE END AREA (SQ FT)		EARTH EXCAVATION SECTION VOLUMES (CU YD)		EARTH EXCAVATION CUMULATIVE VOLUMES (CU YD)		CUMULATIVE EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-)
		CUT	FILL	CUT	FILL	CUT	FILL	CUT	FILL	
0+00.00		0.00	0.00							
0+50.00	50.00	247.01	9.75	123.51	4.88	228.71	9.03	228.71	9.03	219.69
1+00.00	50.00	152.08	5.78	199.55	7.77	369.53	14.38	598.24	23.41	574.83
1+50.00	50.00	363.19	0.88	257.64	3.33	477.10	6.17	1075.34	29.57	1045.77
2+00.00	50.00	325.87	3.50	344.53	2.19	638.02	4.06	1713.36	33.63	1679.73
2+50.00	50.00	592.49	1.82	459.18	2.66	850.33	4.93	2563.69	38.56	2525.14
2+60.00	10.00	554.30	1.50	573.40	1.66	212.37	0.61	2776.06	39.17	2736.89
3+00.00	40.00	158.56	2.28	356.43	1.89	528.04	2.80	3304.11	41.97	3262.14
3+50.00	50.00	0.00	0.00	79.28	1.14	146.81	2.11	3450.92	44.08	3406.84

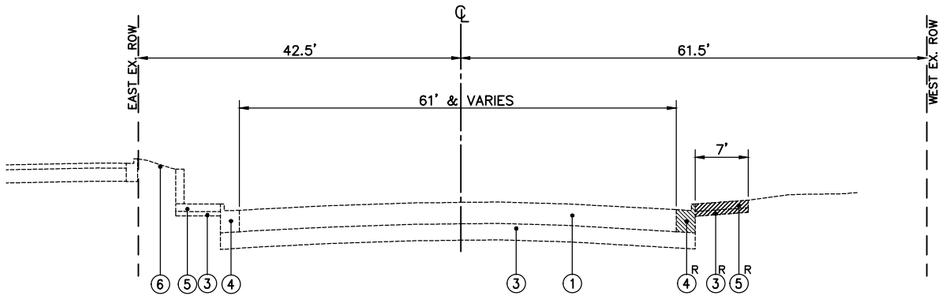
METRA INTERIOR ROAD EARTHWORK SCHEDULE OF QUANTITIES

STATION	DISTANCE	EARTH EXCAVATION END AREAS (SQ FT)		EARTH EXCAVATION AVERAGE END AREA (SQ FT)		EARTH EXCAVATION SECTION VOLUMES (CU YD)		EARTH EXCAVATION CUMULATIVE VOLUMES (CU YD)		CUMULATIVE EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-)
		CUT	FILL	CUT	FILL	CUT	FILL	CUT	FILL	
10+15.00		0.69	1.82							
10+41.00	26.00	0.74	0.00	0.72	0.91	0.69	0.88	0.69	0.88	-0.19
10+50.00	9.00	3.75	0.00	2.25	0.00	0.75	0.00	1.44	0.88	0.56
10+75.00	25.00	0.58	15.86	2.17	7.93	2.00	7.34	3.44	8.22	-4.78
11+00.00	25.00	6.95	53.82	3.77	34.84	3.49	32.26	6.93	40.48	-33.55
11+25.00	25.00	6.36	76.09	6.66	64.96	6.16	60.14	13.09	100.62	-87.53
11+50.00	25.00	18.38	27.86	12.37	51.98	11.45	48.13	24.54	148.75	-124.20
11+75.00	25.00	29.24	12.55	23.81	20.21	22.05	18.71	46.59	167.46	-120.87
11+85.00	10.00	34.28	10.04	31.76	11.30	11.76	4.18	58.35	171.64	-113.29
12+00.00	15.00	39.36	5.95	36.82	8.00	20.46	4.44	78.81	176.08	-97.27
12+25.00	25.00	39.18	3.21	39.27	4.58	36.36	4.24	115.17	180.32	-65.15
12+50.00	25.00	39.52	1.91	39.35	2.56	36.44	2.37	151.60	182.69	-31.09
12+75.00	25.00	26.96	3.95	33.24	2.93	30.78	2.71	182.38	185.40	-3.02
12+92.00	17.00	11.35	1.37	19.16	2.66	12.06	1.67	194.44	187.08	7.36
13+00.00	8.00	0.00	0.00	5.68	0.69	1.68	0.20	196.12	187.28	8.84
13+50.00	50.00	0.00	0.00	0.00	0.00	0.00	0.00	196.12	187.28	8.84

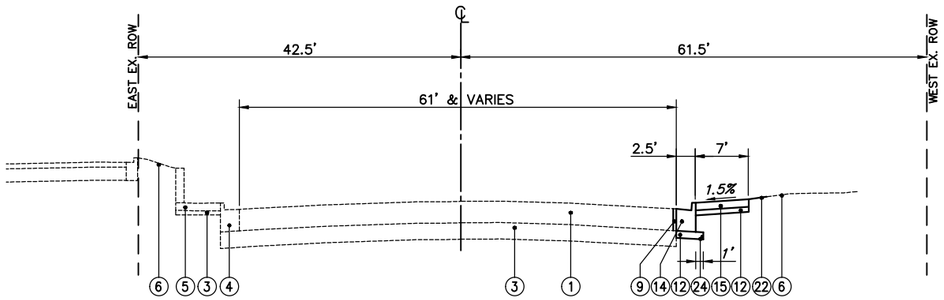
TYPICAL CROSS SECTION LEGEND

NO.	DESCRIPTION
(1)	EXISTING PCC PAVEMENT, 10"±
(2)	EXISTING HMA PAVEMENT, 5"±
(3)	EXISTING AGGREGATE SUBBASE
(4)	EXISTING COMBINATION CURB & GUTTER
(5)	EXISTING PCC SIDEWALK
(6)	EXISTING GROUND
(7)	PAVEMENT REMOVAL
(8)	PROPOSED HMA DRIVEWAY PAVEMENT, 4" PROPOSED HOT-MIX ASPHALT SURFACE COURSE, MIX D, IL-9.5, N50, 1.75" PROPOSED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 2.25"
(9)	PROPOSED INCIDENTAL HOT-MIX ASPHALT SURFACING
(10)	PROPOSED AGGREGATE SUBGRADE IMPROVEMENT, 12"
(11)	PROPOSED AGGREGATE BASE COURSE TYPE B, 8"
(12)	PROPOSED AGGREGATE BASE COURSE, TYPE B, 4"
(13)	PROPOSED COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12

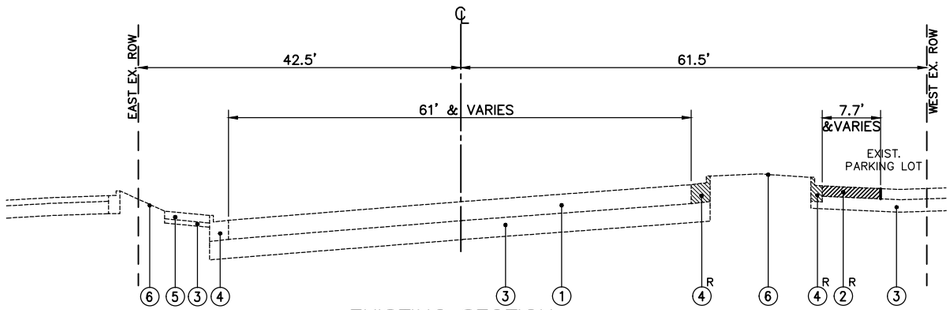
NO.	DESCRIPTION
(14)	PROPOSED COMBINATION CONCRETE CURB AND GUTTER, TYPE B6.24
(15)	PROPOSED PCC SIDEWALK, 5"
(16)	PROPOSED PCC BASE COURSE, 8"
(17)	PROPOSED PCC PAVEMENT (JOINTED), 10"
(18)	PROPOSED PAVEMENT PROPOSED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N50, 2" PROPOSED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 6"
(19)	PROPOSED GEOTECHNICAL FABRIC FOR GROUND STABILIZATION
(20)	PROPOSED RETAINING WALL
(21)	PROPOSED STEEL PLATE BEAM GUARDRAIL
(22)	PROPOSED RESTORATION (TOPSOIL, FURNISH AND PLACE, VARIABLE DEPTH SEEDING CLASS 2A, EROSION CONTROL BLANKET AND NUTRIENTS)
(23)	DOWEL BARS (AT 2' O.C.)
(24)	PIPE UNDERDRAINS TYPE 2, 4"
(X)R	ITEM TO BE REMOVED



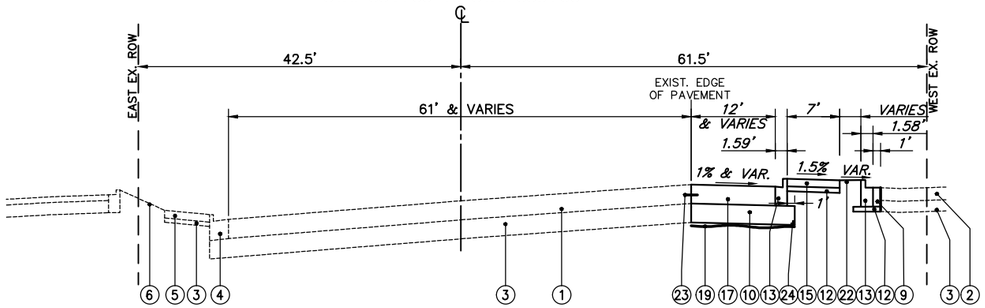
EXISTING SECTION
U.S. RTE 14 (NORTHWEST HWY)
STA. 331+70 TO STA. 334+35



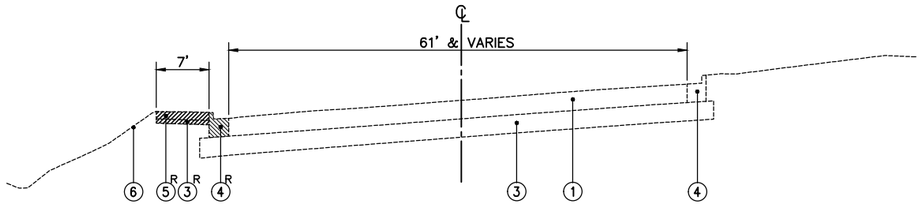
PROPOSED SECTION
U.S. RTE 14 (NORTHWEST HWY)
STA. 331+70 TO STA. 334+35



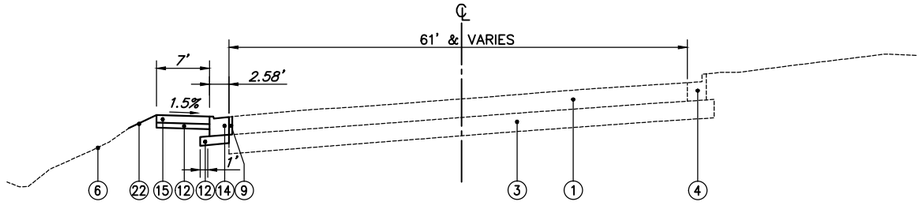
EXISTING SECTION
U.S. RTE 14 (NORTHWEST HWY)
STA. 334+35 TO STA. 338+65



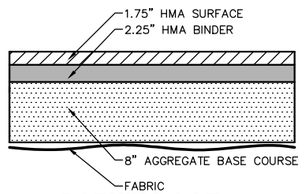
PROPOSED SECTION
U.S. RTE 14 (NORTHWEST HWY)
STA. 334+35 TO STA. 338+65



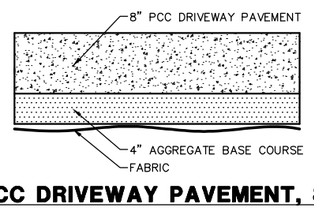
EXISTING SECTION
U.S. RTE 14 (NORTHWEST HWY)
STA. 338+65 TO STA. 342+62



PROPOSED SECTION
U.S. RTE 14 (NORTHWEST HWY)
STA. 338+65 TO STA. 342+62



PARKING LOT - HMA DRIVEWAY PAVEMENT, 4"



PCC DRIVEWAY PAVEMENT, 8"

HOT-MIX ASPHALT MIXTURE REQUIREMENTS	
MIXTURE TYPE	AIR VOIDS @ Ndes
PROPOSED PAVEMENT	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N50, 2"	4% @ 50 GYR
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 6"	4% @ 50 GYR
HMA DRIVEWAY PAVEMENT, 4"	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N50, 1.75"	4% @ 50 GYR
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 2.25"	4% @ 50 GYR
INCIDENTAL HMA SURFACING	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N50, 1.75"	4% @ 50 GYR

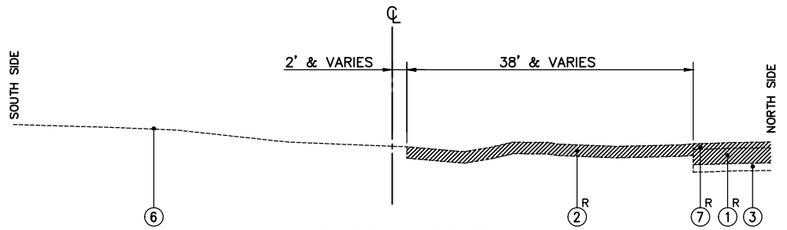
THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LBS/SQ.YD./IN.

THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY SPECIAL PROVISIONS.

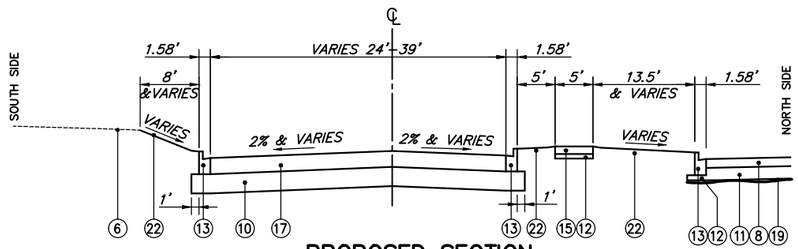
FOR USE OF RECYCLED MATERIALS SEE SPECIAL PROVISIONS.

FILE NAME = 4425.200-pr5.dwg	USER NAME = MARK COBB	DESIGNED - KLB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTIONS U.S. RTE 14 (NORTHWEST HWY) AT METRA ACCESS VILLAGE OF BARRINGTON, ILLINOIS
		DRAWN - GW3	REVISED -		
	PLOT SCALE = 1" = .1667'	CHECKED - KLB	REVISED -		SCALE: N.T.S. / SHEET NO. 1 OF 2 SHEETS / STA. / TO STA.
	PLOT DATE = 10/20/2020 4:23 PM	DATE - 10/12/2020	REVISED -		

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	12-00089-00-PK	COOK	90	16
		CONTRACT #:	61E91	
		ILLINOIS FED. AID PROJECT		



EXISTING SECTION
METRA ACCESS
STA. 0+30 TO STA. 0+79

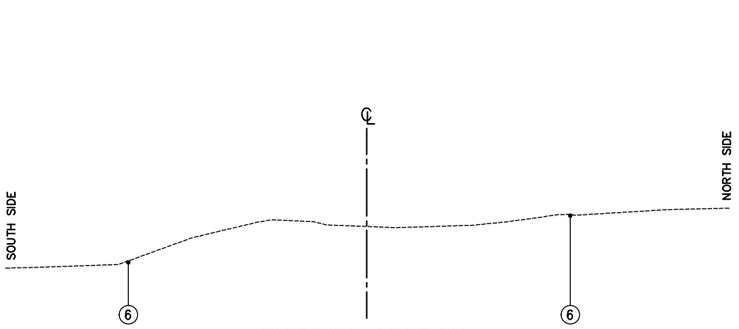


PROPOSED SECTION
METRA ACCESS
STA. 0+30 TO STA. 0+79

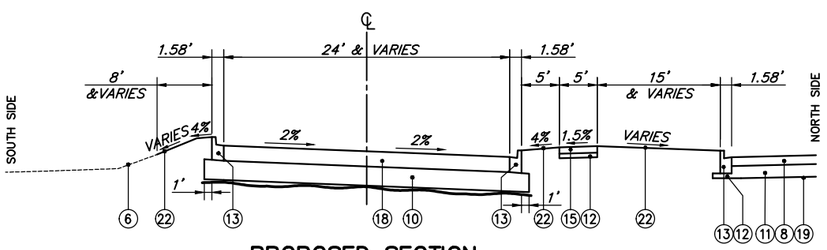
TYPICAL CROSS SECTION LEGEND

NO.	DESCRIPTION
1	EXISTING PCC PAVEMENT, 10"±
2	EXISTING HMA PAVEMENT, 5"±
3	EXISTING AGGREGATE SUBBASE
4	EXISTING COMBINATION CURB & GUTTER
5	EXISTING PCC SIDEWALK
6	EXISTING GROUND
7	PAVEMENT REMOVAL
8	PROPOSED HMA DRIVEWAY PAVEMENT, 4" PROPOSED HOT-MIX ASPHALT SURFACE COURSE, MIX D, IL-9.5, N50, 1.75" PROPOSED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 2.25"
9	PROPOSED INCIDENTAL HOT-MIX ASPHALT SURFACING
10	PROPOSED AGGREGATE SUBGRADE IMPROVEMENT, 12"
11	PROPOSED AGGREGATE BASE COURSE TYPE B, 8"
12	PROPOSED AGGREGATE BASE COURSE, TYPE B, 4"
13	PROPOSED COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12

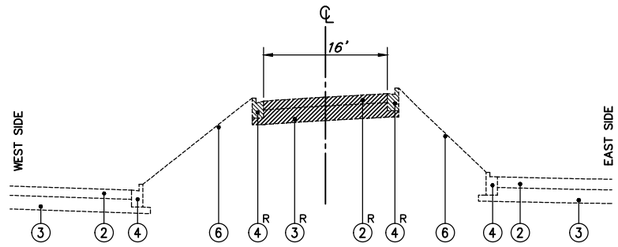
NO.	DESCRIPTION
14	PROPOSED COMBINATION CONCRETE CURB AND GUTTER, TYPE B6.24
15	PROPOSED PCC SIDEWALK, 5"
16	PROPOSED PCC BASE COURSE, 8"
17	PROPOSED PCC PAVEMENT (JOINTED), 10"
18	PROPOSED PAVEMENT PROPOSED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N50, 2" PROPOSED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 6"
19	PROPOSED GEOTECHNICAL FABRIC FOR GROUND STABILIZATION
20	PROPOSED RETAINING WALL
21	PROPOSED STEEL PLATE BEAM GUARDRAIL
22	PROPOSED RESTORATION (TOPSOIL, FURNISH AND PLACE, VARIABLE DEPTH SEEDING CLASS 2A, EROSION CONTROL BLANKET AND NUTRIENTS)
23	DOWEL BARS (AT 2' O.C.)
24	PIPE UNDERDRAINS TYPE 2, 4"
X R	ITEM TO BE REMOVED



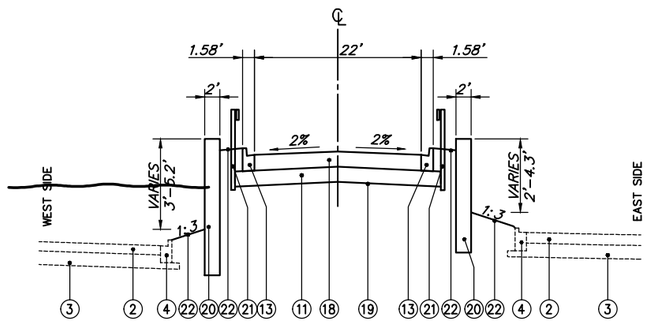
EXISTING SECTION
METRA ACCESS
STA. 1+25 TO STA. 3+00



PROPOSED SECTION
METRA ACCESS
STA. 1+25 TO STA. 3+00



EXISTING SECTION
METRA INTERNAL ROAD
STA. 10+60 TO STA. 12+95



PROPOSED SECTION
METRA INTERNAL ROAD
STA. 10+60 TO STA. 12+95

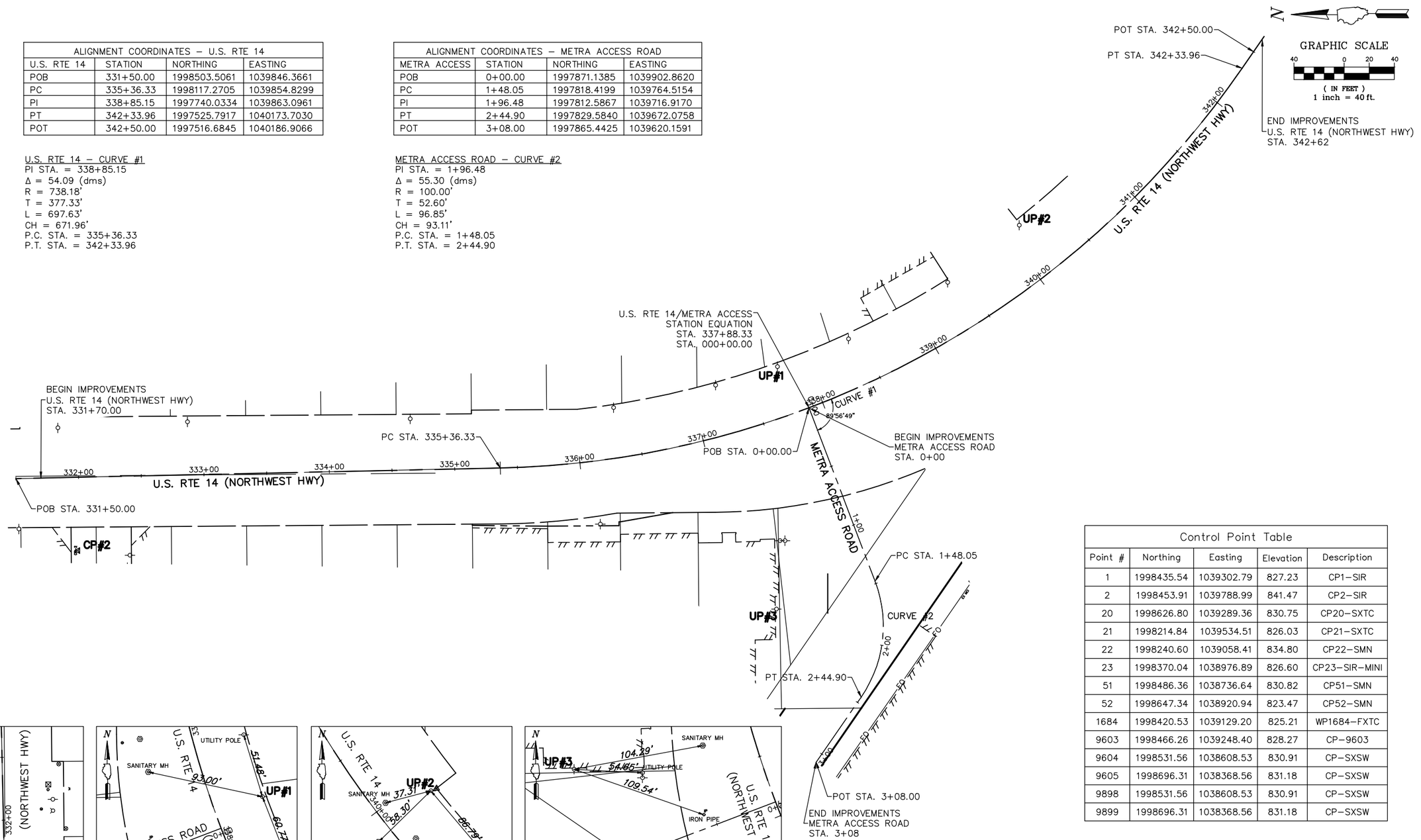
FILE NAME = 4425.200-pr5.dwg	USER NAME = MARK COBB	DESIGNED - KLB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTIONS U.S. RTE 14 (NORTHWEST HWY) AT METRA ACCESS VILLAGE OF BARRINGTON, ILLINOIS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - GW3	REVISED -			305	12-00089-00-PK	COOK	90	17
	PLOT SCALE = 1" = .1667'	CHECKED - KLB	REVISED -					CONTRACT #:	61E91	
	PLOT DATE = 10/12/2020 3:46 PM	DATE - 10/12/2020	REVISED -		SCALE: N.T.S. SHEET NO. 2 OF 2 SHEETS STA. TO STA.			ILLINOIS FED. AID PROJECT		

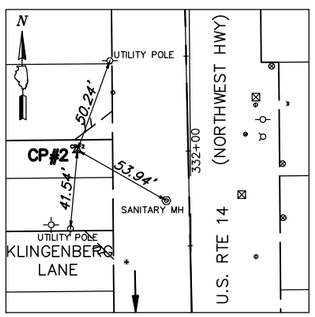
ALIGNMENT COORDINATES – U.S. RTE 14			
U.S. RTE 14	STATION	NORTHING	EASTING
POB	331+50.00	1998503.5061	1039846.3661
PC	335+36.33	1998117.2705	1039854.8299
PI	338+85.15	1997740.0334	1039863.0961
PT	342+33.96	1997525.7917	1040173.7030
POT	342+50.00	1997516.6845	1040186.9066

U.S. RTE 14 – CURVE #1
PI STA. = 338+85.15
Δ = 54.09 (dms)
R = 738.18'
T = 377.33'
L = 697.63'
CH = 671.96'
P.C. STA. = 335+36.33
P.T. STA. = 342+33.96

ALIGNMENT COORDINATES – METRA ACCESS ROAD			
METRA ACCESS	STATION	NORTHING	EASTING
POB	0+00.00	1997871.1385	1039902.8620
PC	1+48.05	1997818.4199	1039764.5154
PI	1+96.48	1997812.5867	1039716.9170
PT	2+44.90	1997829.5840	1039672.0758
POT	3+08.00	1997865.4425	1039620.1591

METRA ACCESS ROAD – CURVE #2
PI STA. = 1+96.48
Δ = 55.30 (dms)
R = 100.00'
T = 52.60'
L = 96.85'
CH = 93.11'
P.C. STA. = 1+48.05
P.T. STA. = 2+44.90





CONTROL POINT #2
STATION 331+98.33 58.45' R
SCALE: 1"=40'

UTILITY POLE #1
STATION 337+75.75 39.60' L
SCALE: 1"=40'

UTILITY POLE #2
STATION 340+13.55 44.51' L
SCALE: 1"=40'

UTILITY POLE #3
STATION 1+40.84 81.49' R
SCALE: 1"=40'

Control Point Table				
Point #	Northing	Easting	Elevation	Description
1	1998435.54	1039302.79	827.23	CP1–SIR
2	1998453.91	1039788.99	841.47	CP2–SIR
20	1998626.80	1039289.36	830.75	CP20–SXTC
21	1998214.84	1039534.51	826.03	CP21–SXTC
22	1998240.60	1039058.41	834.80	CP22–SMN
23	1998370.04	1038976.89	826.60	CP23–SIR–MINI
51	1998486.36	1038736.64	830.82	CP51–SMN
52	1998647.34	1038920.94	823.47	CP52–SMN
1684	1998420.53	1039129.20	825.21	WP1684–FXTC
9603	1998466.26	1039248.40	828.27	CP–9603
9604	1998531.56	1038608.53	830.91	CP–SXSW
9605	1998696.31	1038368.56	831.18	CP–SXSW
9898	1998531.56	1038608.53	830.91	CP–SXSW
9899	1998696.31	1038368.56	831.18	CP–SXSW

BENCHMARK:
SOURCE BENCHMARK: (BM–135)
NORTHEAST FLANGE BOLT ON HYDRANT
LOCATED AT NORTH SIDE OF MAIN STREET
AT SPRING STREET.
ELEVATION: 831.43

DATUM: NAVD 88
(VILLAGE OF BARRINGTON BENCHMARK)

FILE NAME = 4425.200–pr5.dwg	USER NAME = MARK COBB	DESIGNED – KLB	REVISED –
		DRAWN – GW3	REVISED –
	PLOT SCALE = 1" = .1667'	CHECKED – KLB	REVISED –
	PLOT DATE = 10/12/2020 3:47 PM	DATE – 10/12/2020	REVISED –

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

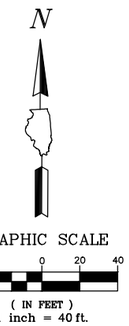
ALIGNMENT AND TIES
U.S. RTE 14 (NORTHWEST HWY) AT METRA ACCESS
VILLAGE OF BARRINGTON, ILLINOIS

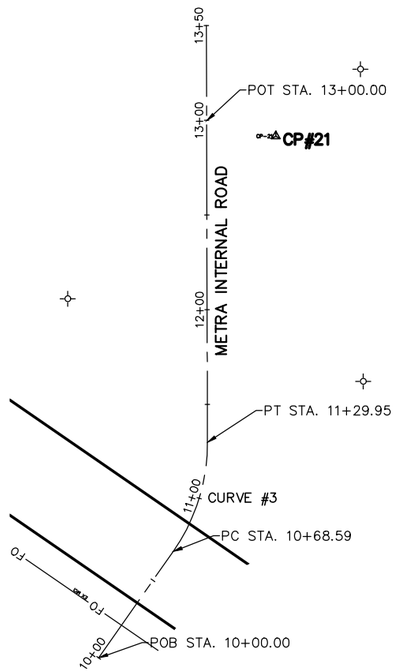
SCALE 1"=40' | SHEET NO. 1 OF 2 SHEETS | STA. | TO STA.

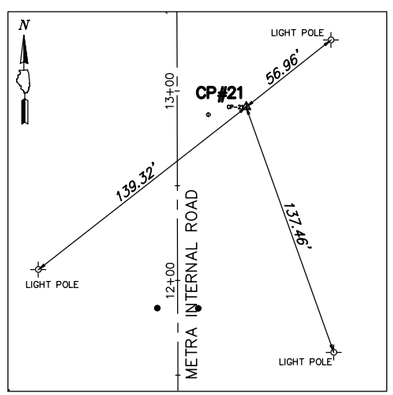
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	12–00089–00–PK	COOK	90	18
		CONTRACT #:	61E91	
		ILLINOIS FED. AID PROJECT		

ALIGNMENT COORDINATES – COMMUTER LOT ROAD			
COMMUTER LOT	STATION	NORTHING	EASTING
POB	10+00.00	1997939.4017	1039441.1121
PC	10+68.59	1997995.5939	1039480.4509
PI	10+99.27	1998023.0129	1039493.9461
PT	11+29.95	1998053.2271	1039498.5302
POT	13+00.00	1998223.2722	1039498.0494

METRA ACCESS ROAD – CURVE #2
PI STA. = 10+99.27
Δ = 35.09 (dms)
R = 100.00'
T = 31.68'
L = 61.36'
CH = 60.40'
P.C. STA. = 10+68.59
P.T. STA. = 11+29.95







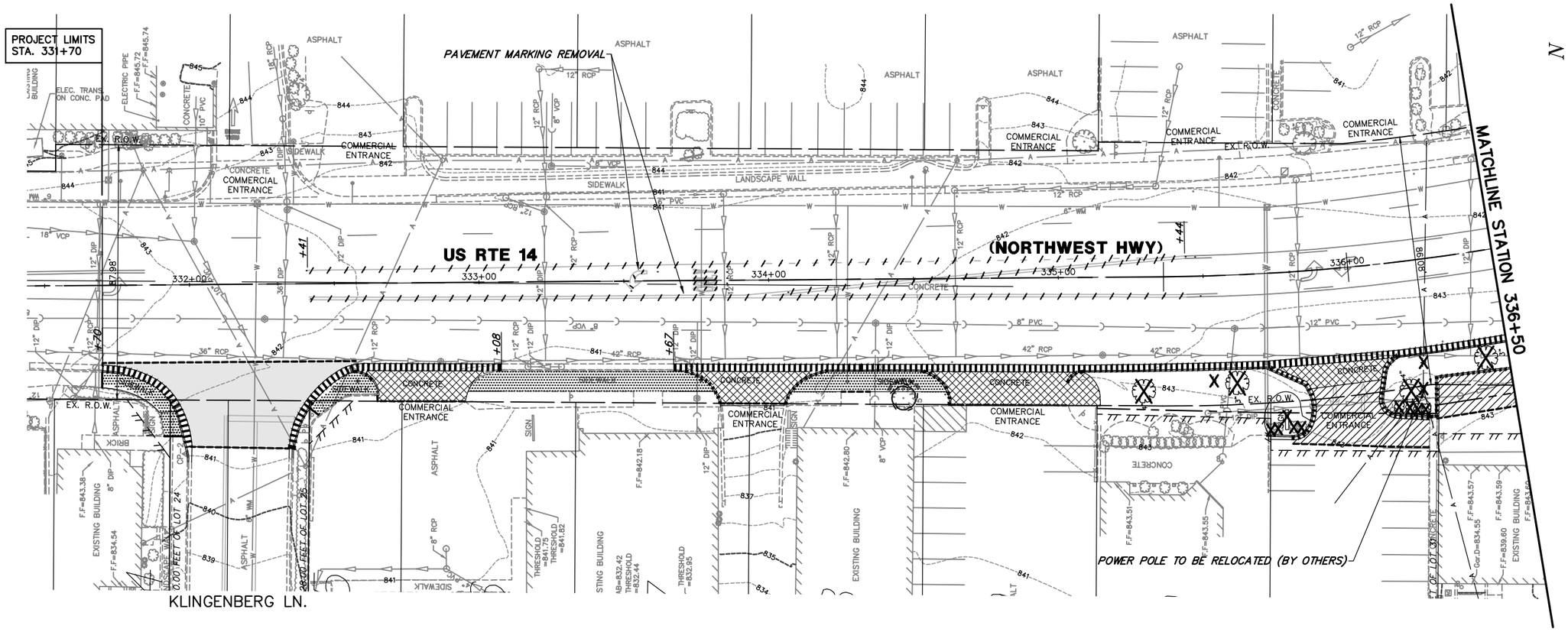
CONTROL POINT #21
STATION 12+91.46 36.44' R
SCALE: 1"=40'

Control Point Table				
Point #	Northing	Easting	Elevation	Description
1	1998435.54	1039302.79	827.23	CP1–SIR
2	1998453.91	1039788.99	841.47	CP2–SIR
20	1998626.80	1039289.36	830.75	CP20–SXTC
21	1998214.84	1039534.51	826.03	CP21–SXTC
22	1998240.60	1039058.41	834.80	CP22–SMN
23	1998370.04	1038976.89	826.60	CP23–SIR–MINI
51	1998486.36	1038736.64	830.82	CP51–SMN
52	1998647.34	1038920.94	823.47	CP52–SMN
1684	1998420.53	1039129.20	825.21	WP1684–FXTC
9603	1998466.26	1039248.40	828.27	CP–9603
9604	1998531.56	1038608.53	830.91	CP–SXSW
9605	1998696.31	1038368.56	831.18	CP–SXSW
9898	1998531.56	1038608.53	830.91	CP–SXSW
9899	1998696.31	1038368.56	831.18	CP–SXSW

BENCHMARK:
SOURCE BENCHMARK: (BM–135)
NORTHEAST FLANGE BOLT ON HYDRANT
LOCATED AT NORTH SIDE OF MAIN STREET
AT SPRING STREET.
ELEVATION: 831.43

DATUM: NAVD 88
(VILLAGE OF BARRINGTON BENCHMARK)

FILE NAME = 4425.200–pr5.dwg	USER NAME = MARK COBB	DESIGNED – KLB	REVISED –	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ALIGNMENT AND TIES U.S. RTE 14 (NORTHWEST HWY) AT METRA ACCESS VILLAGE OF BARRINGTON, ILLINOIS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN – GW3	REVISED –			305	12–00089–00–PK	COOK	90	19
	PLOT SCALE = 1" = .1667'	CHECKED – KLB	REVISED –					CONTRACT #:	61E91	
	PLOT DATE = 10/12/2020 3:47 PM	DATE – 10/12/2020	REVISED –		SCALE 1"=40' SHEET NO. 2 OF 2 SHEETS STA. TO STA.			ILLINOIS FED. AID PROJECT		



REMOVAL LEGEND

- PAVEMENT REMOVAL
- DRIVEWAY PAVEMENT REMOVAL
- SIDEWALK REMOVAL
- PARKING LOT PAVEMENT REMOVAL (PAID FOR AS PAVEMENT REMOVAL)
- X — REMOVE SIGN PANEL ASSEMBLY
- TREE/SHRUB REMOVAL
- COMBINATION CURB AND GUTTER REMOVAL
- —XXX— TEMPORARY FENCE
- · X · X · X · UTILITY TO BE REMOVED
- X — STRUCTURE REMOVAL
- PAVEMENT SAWCUT
- TREE ROOT PRUNING
- TREE TRUNK PROTECTION FENCE

FILE NAME = 4425.200-pr5.dwg	USER NAME = MARK COBB	DESIGNED - KLB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING CONDITIONS/REMOVAL PLAN U.S. RTE 14 (NORTHWEST HWY) AT METRA ACCESS VILLAGE OF BARRINGTON, ILLINOIS
		DRAWN - GW3	REVISED -		
	PLOT SCALE = 1" = .1667'	CHECKED - KLB	REVISED -		SCALE: 1"=20' | SHEET NO. 1 OF 4 SHEETS | STA. 331+50 TO STA. 336+50
	PLOT DATE = 10/12/2020 3:48 PM	DATE - 10/12/2020	REVISED -		

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	12-00089-00-PK	COOK	90	20
		CONTRACT #:	61E91	
		ILLINOIS | FED. AID PROJECT		

GRAPHIC SCALE
20 0 10 20
(IN FEET)
1 inch = 20 ft.

N

MATCHLINE STATION 336+50

PROJECT LIMITS
STA. 342+62

PAVEMENT MARKING REMOVAL

US RTE 14 (NORTHWEST HWY)

FOR CONTINUATION
(SEE SHEET 22)

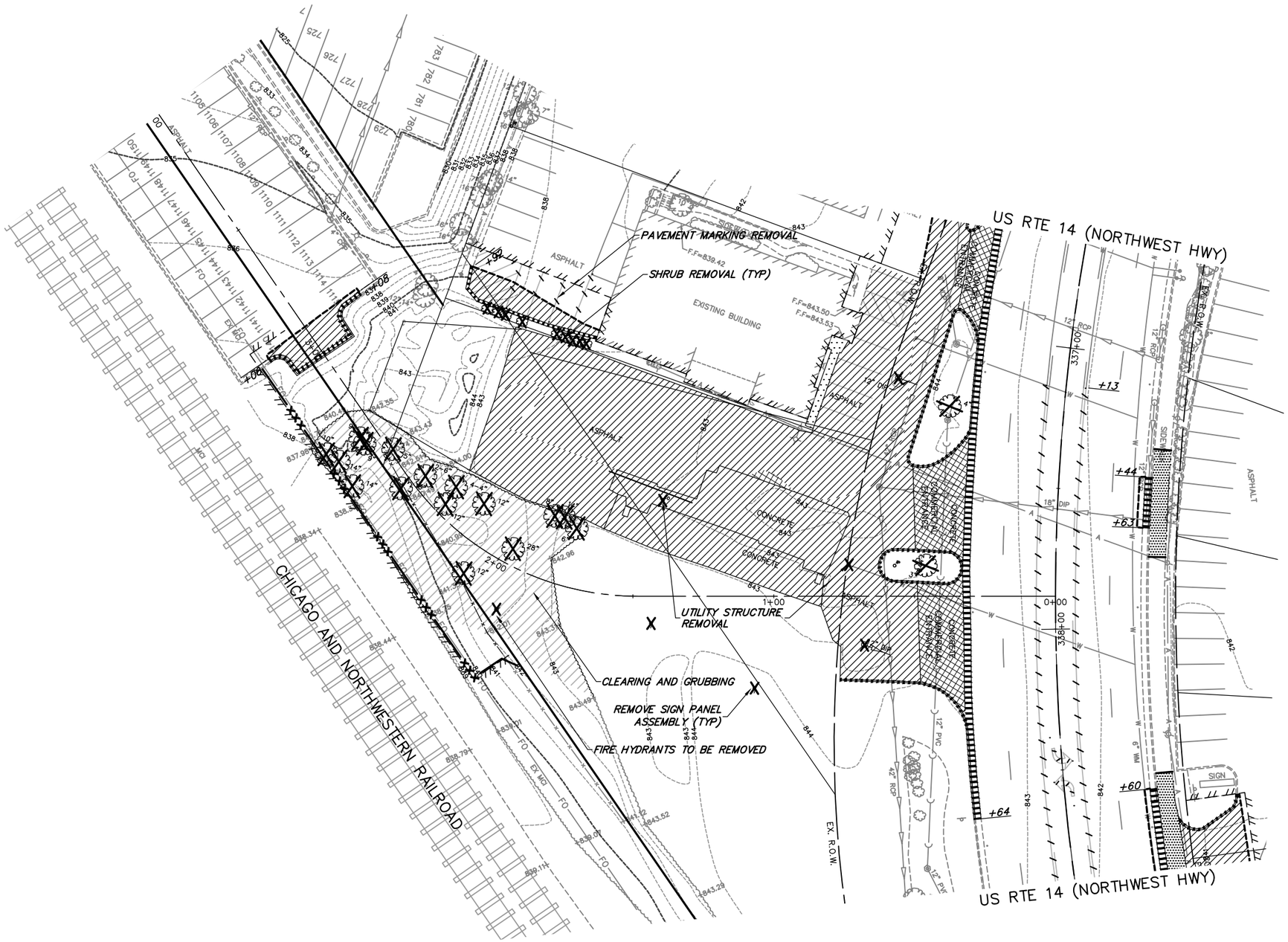
ASPHALT
CONCRETE
EXISTING BUILDING
COMMERCIAL ENTRANCE
SIDEWALK
LANDSCAPE
EX. R.O.W.
SIGN
12" RCP
24" RCP
30" RCP
42" RCP
36" RCP
6" WM
8" DIP
10" DIP
12" DIP
12" PVC
6" PVC
15" RCP
(PLUGGED)

REMOVAL LEGEND

- PAVEMENT REMOVAL
- DRIVEWAY PAVEMENT REMOVAL
- SIDEWALK REMOVAL
- PARKING LOT PAVEMENT REMOVAL (PAID FOR AS PAVEMENT REMOVAL)
- X — REMOVE SIGN PANEL ASSEMBLY
- TREE/SHRUB REMOVAL
- COMBINATION CURB AND GUTTER REMOVAL
- —XXX— TEMPORARY FENCE
- · X · X · UTILITY TO BE REMOVED
- X — STRUCTURE REMOVAL

FILE NAME = 4425.200-pr5.dwg	USER NAME = MARK COBB	DESIGNED - KLB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING CONDITIONS/REMOVAL PLAN U.S. RTE 14 (NORTHWEST HWY) AT METRA ACCESS VILLAGE OF BARRINGTON, ILLINOIS
		DRAWN - GW3	REVISED -		
	PLOT SCALE = 1" = .1667'	CHECKED - KLB	REVISED -		
	PLOT DATE = 10/12/2020 3:48 PM	DATE - 10/12/2020	REVISED -		SCALE: 1"=20' | SHEET NO. 2 OF 4 SHEETS | STA. 336+50 TO STA. 342+62

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	12-00089-00-PK	COOK	90	21
		CONTRACT #: 61E91		
		ILLINOIS | FED. AID PROJECT		



N

GRAPHIC SCALE

20 0 10 20

(IN FEET)
1 inch = 20 ft.

REMOVAL LEGEND

- PAVEMENT REMOVAL
- DRIVEWAY PAVEMENT REMOVAL
- SIDEWALK REMOVAL
- PARKING LOT PAVEMENT REMOVAL (PAID FOR AS PAVEMENT REMOVAL)
- REMOVE SIGN PANEL ASSEMBLY
- TREE/SHRUB REMOVAL
- COMBINATION CURB AND GUTTER REMOVAL
- TEMPORARY FENCE
- UTILITY TO BE REMOVED
- STRUCTURE REMOVAL

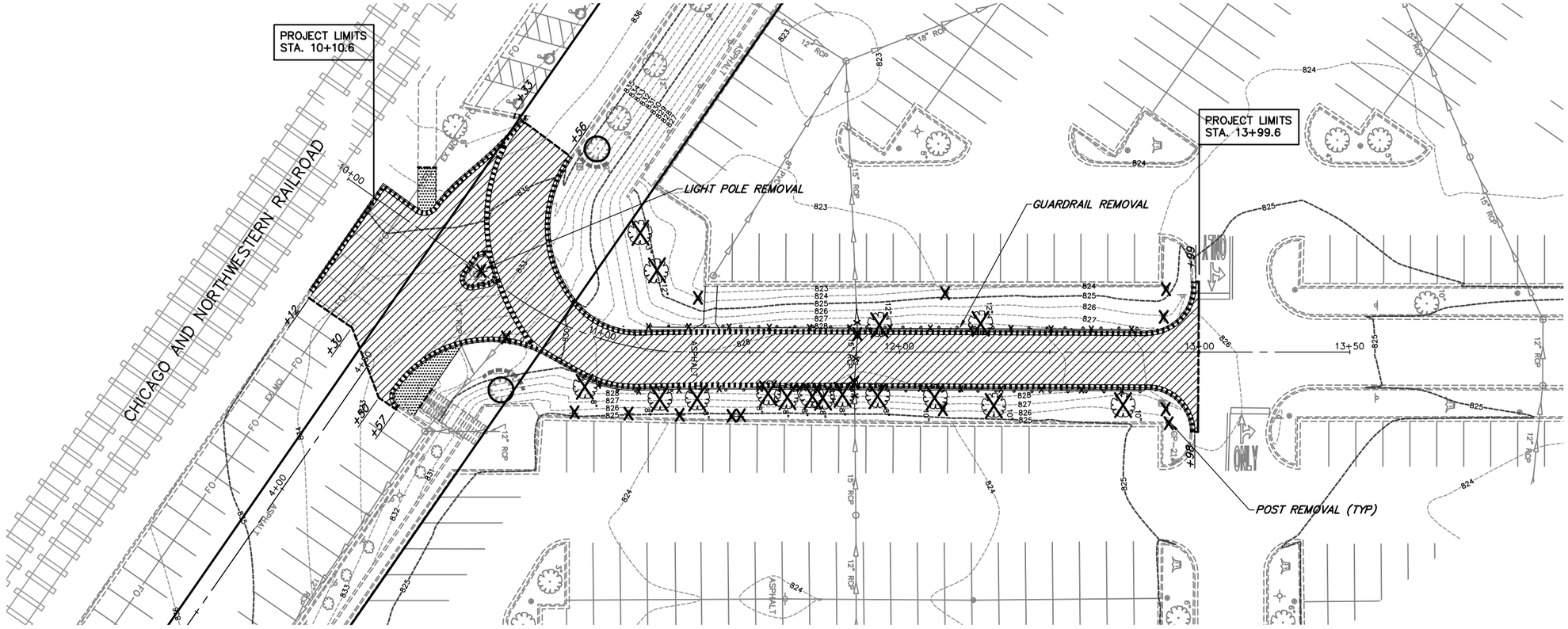
FILE NAME = 4425.200-pr5.dwg	USER NAME = MARK COBB	DESIGNED - KLB	REVISED -	
		DRAWN - GW3	REVISED -	
	PLOT SCALE = 1" = .1667'	CHECKED - KLB	REVISED -	
	PLOT DATE = 10/12/2020 3:48 PM	DATE - 10/12/2020	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING CONDITIONS/REMOVAL PLAN
U.S. RTE 14 (NORTHWEST HWY) AT METRA ACCESS
VILLAGE OF BARRINGTON, ILLINOIS

SCALE 1"=20' | SHEET NO. 3 OF 4 SHEETS | STA. 0+00 | TO STA. 3+50

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	12-00089-00-PK	COOK	90	22
		CONTRACT #:	61E91	
		ILLINOIS FED. AID PROJECT		



N

GRAPHIC SCALE

20 0 10 20

(IN FEET)

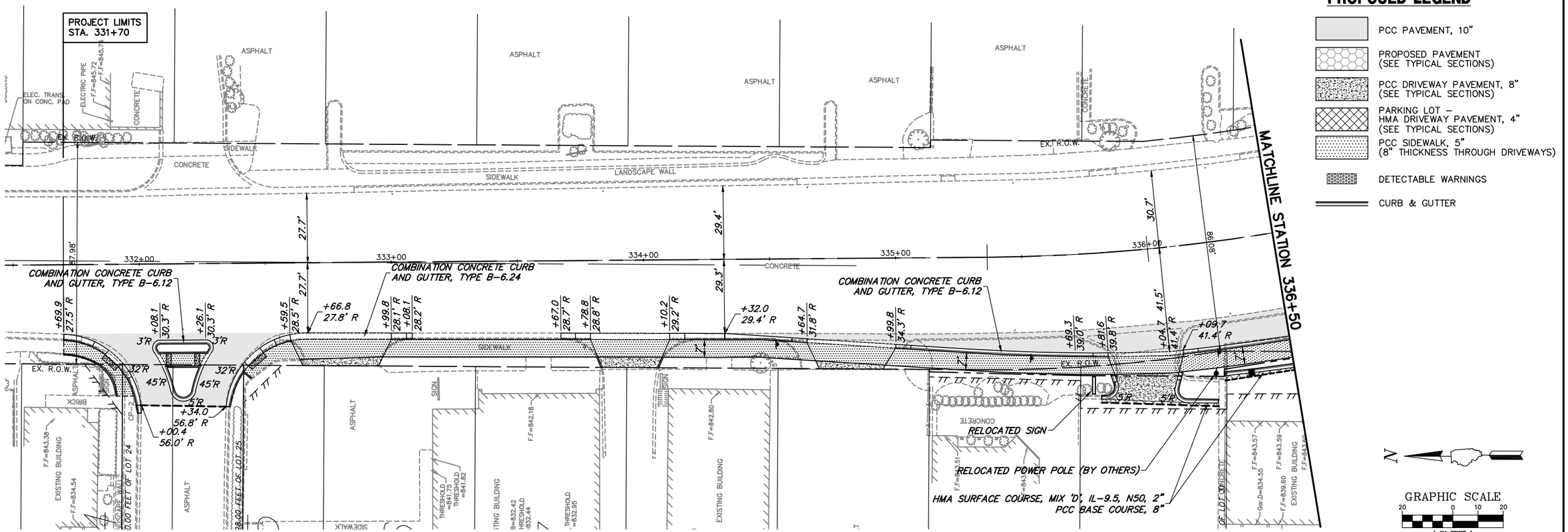
H. 1" = 20 ft. V. 1" = 5 ft.

REMOVAL LEGEND

- PAVEMENT REMOVAL
- DRIVEWAY PAVEMENT REMOVAL
- SIDEWALK REMOVAL
- PARKING LOT PAVEMENT REMOVAL (PAID FOR AS PAVEMENT REMOVAL)
- X — REMOVE SIGN PANEL ASSEMBLY
- TREE/SHRUB REMOVAL
- COMBINATION CURB AND GUTTER REMOVAL
- —XXX— TEMPORARY FENCE
- · X · X · X · UTILITY TO BE REMOVED
- X — STRUCTURE REMOVAL
- PAVEMENT SAWCUT
- TREE ROOT PRUNING
- TREE TRUNK PROTECTION FENCE

FILE NAME = 4425.200-pr5.dwg	USER NAME = MARK COBB	DESIGNED - KLB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING CONDITIONS/REMOVAL PLAN U.S. RTE 14 (NORTHWEST HWY) AT METRA ACCESS VILLAGE OF BARRINGTON, ILLINOIS
		DRAWN - GW3	REVISED -		
	PLOT SCALE = 1" = .1667'	CHECKED - KLB	REVISED -		SCALE 1"=20' | SHEET NO. 4 OF 4 SHEETS | STA. 10+00 TO STA. 13+50
	PLOT DATE = 10/12/2020 3:49 PM	DATE - 10/12/2020	REVISED -		

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	12-00089-00-PK	COOK	90	23
		CONTRACT #:	61E91	
		ILLINOIS | FED. AID PROJECT		



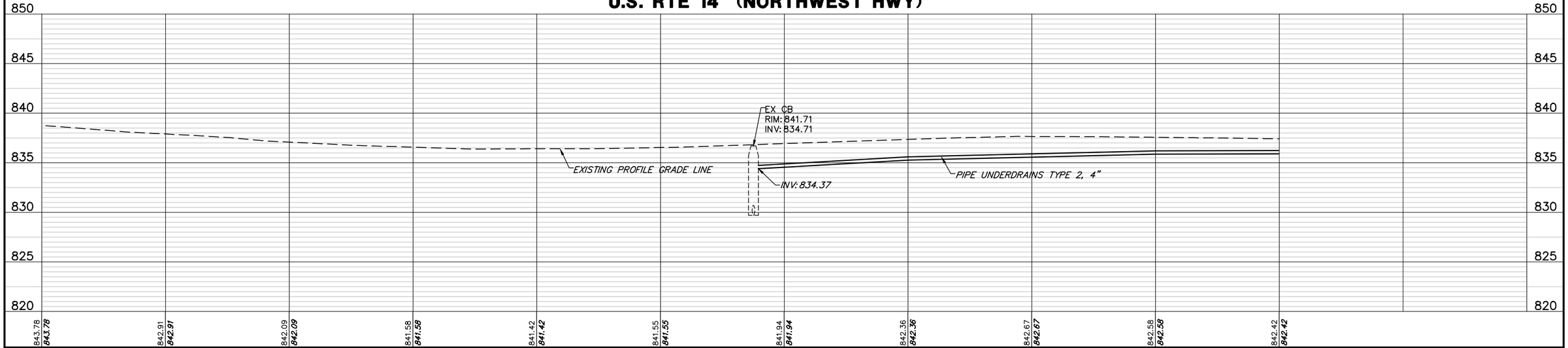
PROPOSED LEGEND

- PCC PAVEMENT, 10"
- PROPOSED PAVEMENT (SEE TYPICAL SECTIONS)
- PCC DRIVEWAY PAVEMENT, 8" (SEE TYPICAL SECTIONS)
- PARKING LOT – HMA DRIVEWAY PAVEMENT, 4" (SEE TYPICAL SECTIONS)
- PCC SIDEWALK, 5" (8" THICKNESS THROUGH DRIVEWAYS)
- DETECTABLE WARNINGS
- CURB & GUTTER

N

GRAPHIC SCALE
20 0 10 20
(IN FEET)
H. 1"= 20 ft. V. 1"= 5 ft.

U.S. RTE 14 (NORTHWEST HWY)



FILE NAME = 4425.200-pr5.dwg	USER NAME = MARK COBB	DESIGNED - KLB	REVISED -	**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**	**PLAN AND PROFILE** U.S. RTE 14 (NORTHWEST HWY) AT METRA ACCESS VILLAGE OF BARRINGTON, ILLINOIS
		DRAWN - GW3	REVISED -		
	PLOT SCALE = 1" = .1667'	CHECKED - KLB	REVISED -		SCALE: AS NOTED | SHEET NO. 1 OF 4 SHEETS | STA. 331+50 TO STA. 336+50
	PLOT DATE = 10/12/2020 3:49 PM	DATE - 10/12/2020	REVISED -		

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	12-00089-00-PK	COOK	90	24
		CONTRACT #:	61E91	
		ILLINOIS | FED. AID PROJECT		

GRAPHIC SCALE
20 0 10 20
(IN FEET)
H. 1"= 20 ft. V. 1"= 5 ft.

N

PROJECT LIMITS
STA. 342+62

MATCHLINE STATION 336+50

EX. R.O.W.

ASPHALT

COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24

CONCRETE CURB, TYPE B

COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12

CONCRETE

EXISTING BUILDING

SIDEWALK

CONC.

STATION EQUATION:
US RTE 14 (NW HWY): 337+88.33
METRA ACCESS ROAD: 0+00

SIGN

+61.0 41.4' R
+89.8 41.4' R
+38.8 41.5' R
+50.6 43.6' R
+56.3 46.3' R
+32.3 35.9' R
+64.3 30.4' R
+67.1 14.0' L
+79.6 15.0' R
+65.0 35.0' L
+21.2 42.3' L
+44.1 30.6' L
+62.9 30.5' L
+59.6 30.3' L
+95.4 41.2' L
+08.1 41.3' L
+53.5 30.6' L
+76.9 30.5' L

337+00 338+00 339+00 340+00 341+00 342+00

30.6' 41.5' 30.4' 124.59' 90.56'

14'R 31'R 6.5'R 40'R 40'R 3.5'R 28.5'R 13.5'R 5'R

4' 5' 10' 5'

F.F.=843.50'
F.F.=843.53'

LANDSCAPE

LANDSCAPE

841.66'

842.02'

842.63'

842.80'

FOR CONTINUATION (SEE SHEET 26)

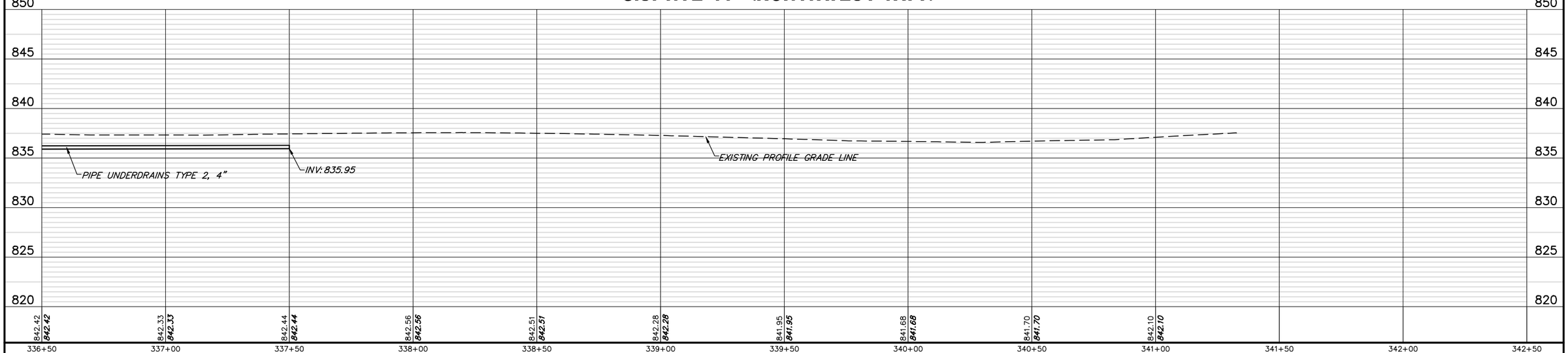
METRA STATION ACCESS

SIGHT SCREEN (WOOD FENCE), TYPE P 6'

PROPOSED LEGEND

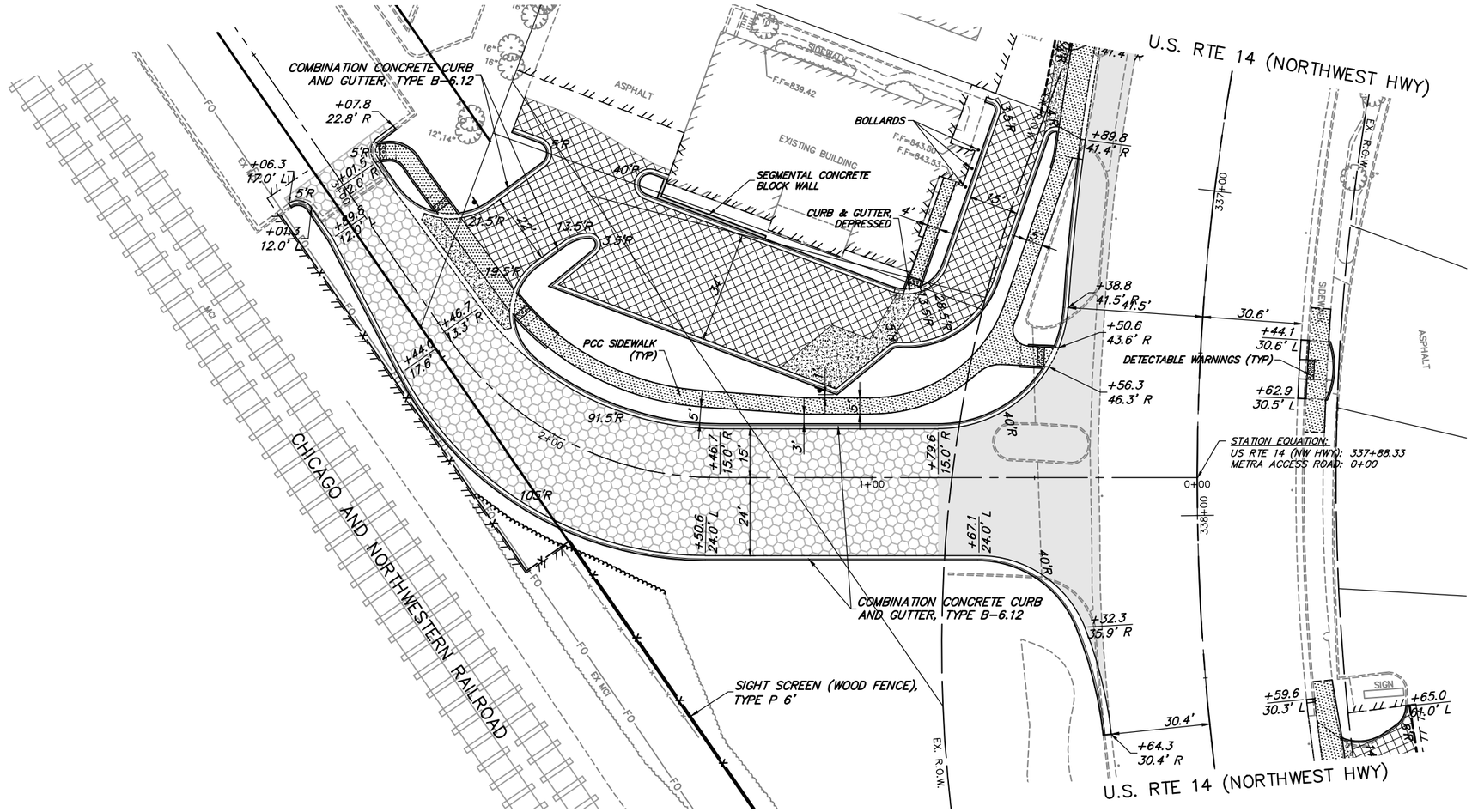
- PCC PAVEMENT, 10"
- PROPOSED PAVEMENT (SEE TYPICAL SECTIONS)
- PCC DRIVEWAY PAVEMENT, 8" (SEE TYPICAL SECTIONS)
- PARKING LOT – HMA DRIVEWAY PAVEMENT, 4" (SEE TYPICAL SECTIONS)
- PCC SIDEWALK, 5" (8" THICKNESS THROUGH DRIVEWAYS)
- DETECTABLE WARNINGS
- CURB & GUTTER

U.S. RTE 14 (NORTHWEST HWY)



FILE NAME = 4425.200-pr5.dwg	USER NAME = MARK COBB	DESIGNED - KLB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN AND PROFILE U.S. RTE 14 (NORTHWEST HWY) AT METRA ACCESS VILLAGE OF BARRINGTON, ILLINOIS
		DRAWN - GW3	REVISED -		
	PLOT SCALE = 1" = .1667'	CHECKED - KLB	REVISED -		SCALE: AS NOTED | SHEET NO. 2 OF 4 SHEETS | STA. 336+50 TO STA. 342+62
	PLOT DATE = 10/12/2020 3:50 PM	DATE - 10/12/2020	REVISED -		

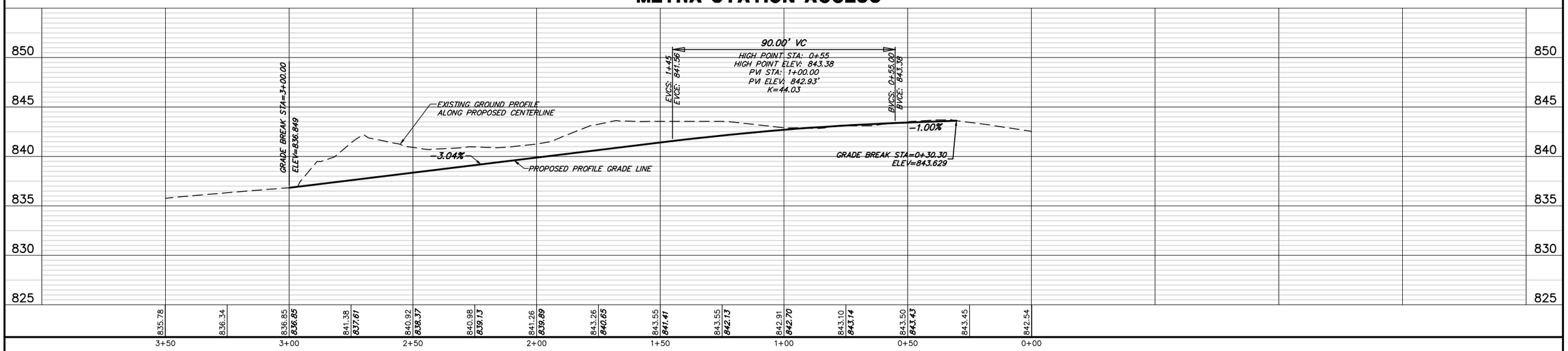
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	12-00089-00-PK	COOK	90	25
		CONTRACT #: 61E91		
		ILLINOIS FED. AID PROJECT		



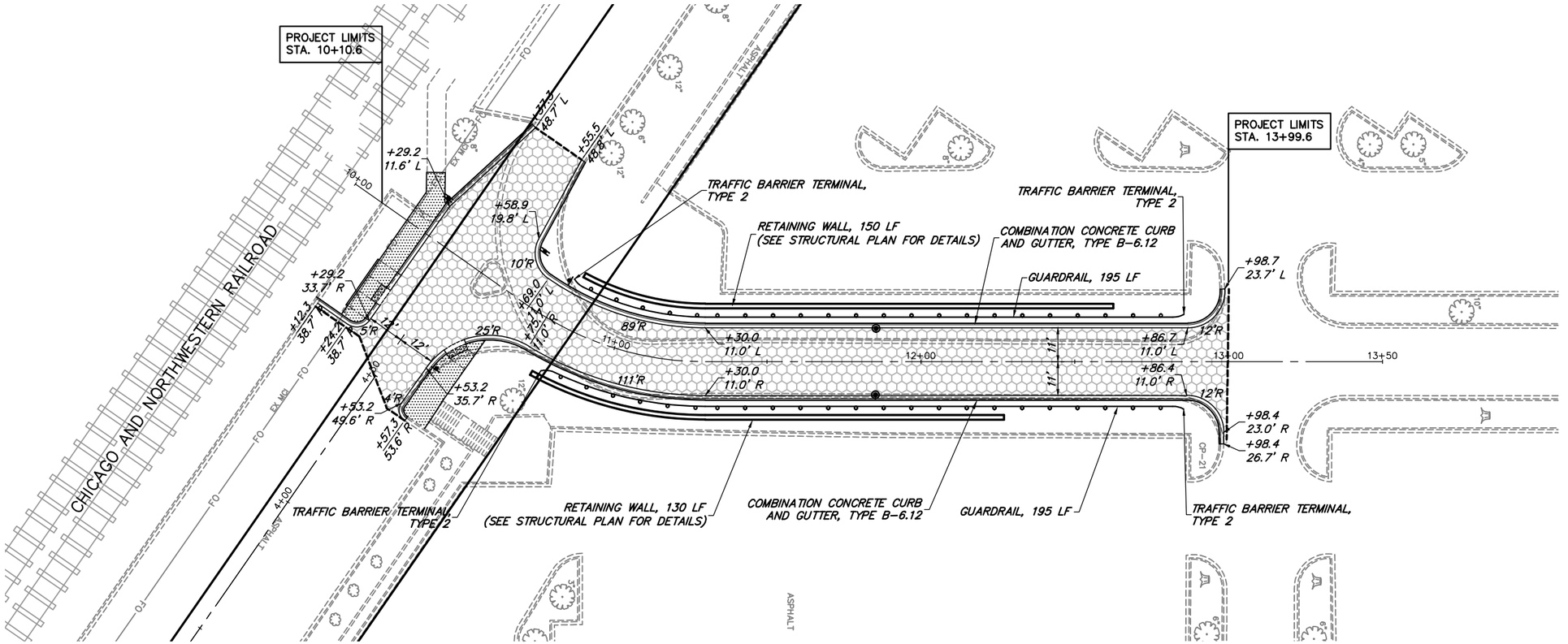
PROPOSED LEGEND

- PCC PAVEMENT, 10"
- PROPOSED PAVEMENT (SEE TYPICAL SECTIONS)
- PCC DRIVEWAY PAVEMENT, 8" (SEE TYPICAL SECTIONS)
- PARKING LOT – HMA DRIVEWAY PAVEMENT, 4" (SEE TYPICAL SECTIONS)
- PCC SIDEWALK, 5" (8" THICKNESS THROUGH DRIVEWAYS)
- DETECTABLE WARNINGS
- CURB & GUTTER

METRA STATION ACCESS



FILE NAME = 4425.200-pr5.dwg	USER NAME = MARK COBB	DESIGNED - KLB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN AND PROFILE U.S. RTE 14 (NORTHWEST HWY) AT METRA ACCESS VILLAGE OF BARRINGTON, ILLINOIS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - GW3	REVISED -			305	12-00089-00-PK	COOK	90	26
	PLOT SCALE = 1" = .1667'	CHECKED - KLB	REVISED -					CONTRACT #:	61E91	
	PLOT DATE = 10/12/2020 3:50 PM	DATE - 10/12/2020	REVISED -		SCALE: AS NOTED SHEET NO. 3 OF 4 SHEETS STA. 0+00 TO STA. 3+50			ILLINOIS FED. AID PROJECT		



GRAPHIC SCALE

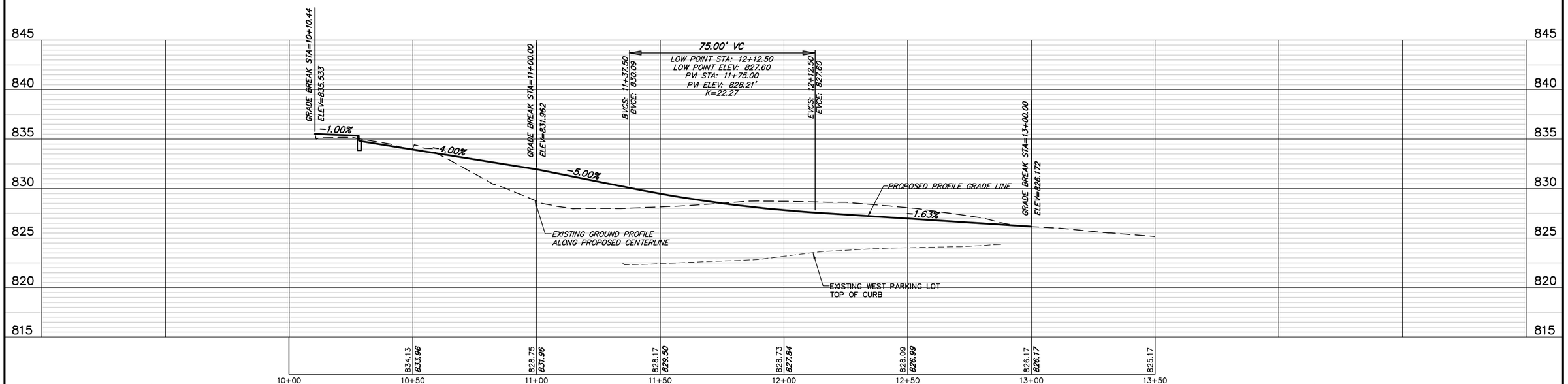
20 0 10 20

(IN FEET)

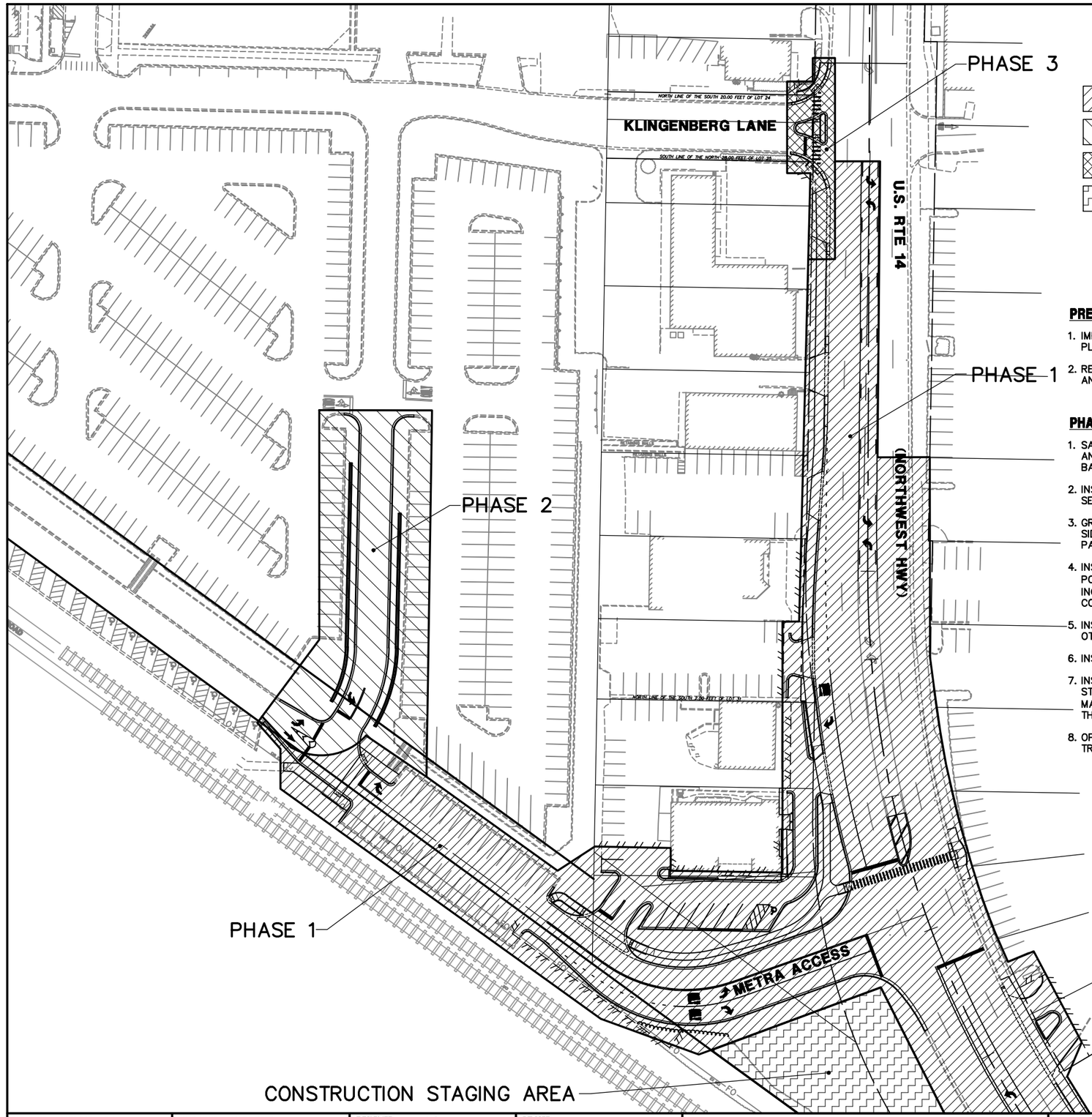
H. 1"= 20 ft. V. 1"= 5 ft.

PROPOSED LEGEND

- PCC PAVEMENT, 10"
- PROPOSED PAVEMENT (SEE TYPICAL SECTIONS)
- PCC DRIVEWAY PAVEMENT, 8" (SEE TYPICAL SECTIONS)
- PARKING LOT – HMA DRIVEWAY PAVEMENT, 4" (SEE TYPICAL SECTIONS)
- PCC SIDEWALK, 5" (8" THICKNESS THROUGH DRIVEWAYS)
- DETECTABLE WARNINGS
- CURB & GUTTER



FILE NAME = 4425.200-pr5.dwg	USER NAME = MARK COBB	DESIGNED - KLB	REVISED -	**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**	**PLAN AND PROFILE** U.S. RTE 14 (NORTHWEST HWY) AT METRA ACCESS VILLAGE OF BARRINGTON, ILLINOIS			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - GW3	REVISED -					305	12-00089-00-PK	COOK	90	27
	PLOT SCALE = 1" = .1667'	CHECKED - KLB	REVISED -								CONTRACT #:	61E91
	PLOT DATE = 10/12/2020 3:51 PM	DATE - 10/12/2020	REVISED -		SCALE: AS NOTED	SHEET NO. 4 OF 4 SHEETS	STA. 10+00 TO STA. 13+50			ILLINOIS	FED. AID PROJECT	



LEGEND

- PHASE 1
- PHASE 2
- PHASE 3
- CONSTRUCTION STAGING

NOTES:
ACCESS TO ALL PROPERTY SHALL BE VEHICLE TRAFFIC ACCESSIBLE AND MAINTAINED DURING CONSTRUCTION

ALL WORK ON US ROUTE 14 THAT REQUIRES LANE CLOSURES SHALL BE COMPLETED USING APPROPRIATE LANE CLOSURE STANDARDS DURING ALLOWABLE HOURS ONLY AS SPECIFIED IN THE SPECIAL PROVISION "KEEPING ARTERIAL ROADWAYS OPEN TO TRAFFIC"

N

GRAPHIC SCALE
40 0 20 40
(IN FEET)
1 inch = 40 ft.

SUGGESTED CONSTRUCTION PHASING SEQUENCE

PRE-PHASE

1. IMPLEMENT SOIL EROSION AND SEDIMENT CONTROL PLAN.
2. REMOVE TREES SHRUBS FIRE HYDRANT, LIGHT POLE AND SIGNAGE FOR ENTIRE PROJECT.

PHASE 1

1. SAWCUT AND REMOVE DRIVEWAYS, SIDEWALK, CURB AND GUTTER AND PAVEMENT AS NECESSARY, BACKFILL DRIVEWAYS WITH STONE FOR ACCESS.
2. INSTALL PROPOSED INLETS, MANHOLES AND STORM SEWER.
3. GRADE FOR RIGHT TURN LANE, CURB AND GUTTER, SIDEWALK, PARKING LOT AND METRA STATION ACCESS PAVEMENT.
4. INSTALL CURB AND GUTTER, AGGREGATE SUBGRADE, PCC BASE COURSE OR PAVEMENT (DRIVEWAYS INCLUDED), HMA PAVEMENT TO HMA SURFACE COURSE, AGGREGATE BASE COURSE, PCC SIDEWALK.
5. INSTALL TRAFFIC SIGNAL COMPONENTS WHILE ALL OTHER IMPROVEMENT ACTIVITIES ARE CONSTRUCTED.
6. INSTALL RESTORATION THRU TOPSOIL.
7. INSTALL TEMPORARY PAVEMENT MARKINGS ON METRA STATION ACCESS AND PAVEMENT. PAVEMENT MARKINGS ON U.S. RTE 14 (NORTHWEST HWY) MINUS THE STOP BAR AND CROSSWALK.
8. OPEN METRA STATION ACCESS TO VEHICULAR TRAFFIC, FOR RIGHT TURN ONLY ONTO US RTE. 14.

PHASE 2

1. REMOVE GUARDRAIL, CURB AND GUTTER AND PARKING LOT PAVEMENT.
2. INSTALL RETAINING WALLS.
3. GRADE FOR METRA INTERIOR ROAD, INSTALL AGGREGATE SUBGRADE, CURB AND GUTTER HMA PAVEMENT TO SURFACE COURSE.
4. INSTALL STEEL PLATE BEAM GUARDRAIL.
5. INSTALL TEMPORARY PAVEMENT MARKINGS AS NEEDED AND RESTORATION THRU TOPSOIL.
6. OPEN METRA INTERNAL ROAD TO VEHICULAR TRAFFIC AND ALL ADJACENT PARKING RESTORED.

PHASE 3

1. TURN TRAFFIC SIGNAL ON UNDER IDOT TRAFFIC SIGNAL OBSERVATION.
2. INSTALL TYPE III BARRICADES TO PROHIBIT ACCESS TO KLINGENBERG LANE.
3. SAWCUT AND REMOVE DRIVEWAY, SIDEWALK, CURB AND GUTTER AND PAVEMENT AS NECESSARY.
4. GRADE FOR RIGHT IN/RIGHT OUT, CURB AND GUTTER, DRIVEWAY AND SIDEWALK.
5. INSTALL CURB AND GUTTER, AGGREGATE SUBGRADE AND PCC PAVEMENT (DRIVEWAY INCLUDED).
6. INSTALL AGGREGATE BASE COURSE, PCC SIDEWALK AND RESTORATION THRU TOPSOIL.
7. INSTALL HMA SURFACE COURSE AND PERMANENT PAVEMENT MARKINGS FOR REMAINDER OF ENTIRE PROJECT.
8. INSTALL ALL PROPOSED SIGNAGE.
9. INSTALL REMAINDER OF RESTORATION INCLUDING SEEDING, MULCH AND NUTRIENTS.
10. INSTALL PERMANENT STOP BARS AND CROSSWALKS ON U.S. RTE 14 (NORTHWEST HWY).

MOTORIST NOTIFICATION FOR TURNING ON NEW TRAFFIC SIGNALS IN DISTRICT 1

2 WEEKS PRIOR TO SCHEDULED SIGNAL TURN–ON
PLACE A CHANGEABLE MESSAGE SIGN (CMS) ON EACH MAINLINE APPROACH TO THE INTERSECTION WHICH READS:

NEW TRAFFIC SIGNAL	STARTING MMM##

[INSERT 3–DIGIT MONTH ABBREVIATION & DATE FOR SCHEDULED TURN–ON]

ON THE DAY OF THE TURN–ON, CHANGE THE MESSAGE TO READ:

NEW SIGNAL AHEAD	BE PREPARED TO STOP

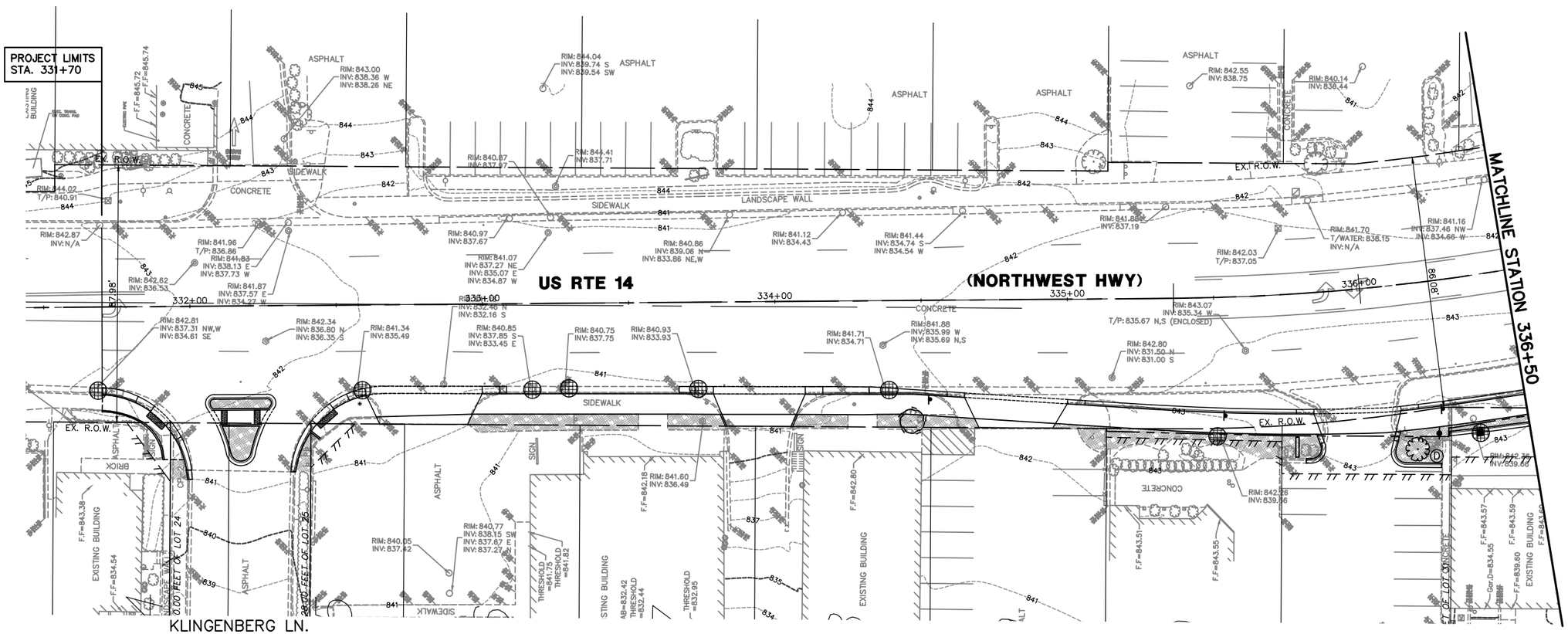
FILE NAME = 4425.200–pr5.dwg	USER NAME = MARK COBB	DESIGNED – KLB	REVISED –
		DRAWN – GW3	REVISED –
	PLOT SCALE = 1" = .1667'	CHECKED – KLB	REVISED –
	PLOT DATE = 10/12/2020 3:51 PM	DATE – 10/12/2020	REVISED –

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUGGESTED CONSTRUCTION PHASING SEQUENCE
U.S. RTE 14 (NORTHWEST HWY) AT METRA ACCESS
VILLAGE OF BARRINGTON, ILLINOIS

SCALE: 1"=40' | SHEET NO. 1 OF 1 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	12–00089–00–PK	COOK	90	28
		CONTRACT #:	61E91	
		ILLINOIS | FED. AID PROJECT		



GRAPHIC SCALE

20 0 10 20

(IN FEET)
1 inch = 20 ft.

TREE LEGEND

- Ⓐ GINKGO TREE (MALE ONLY)
- Ⓑ KENTUCKY COFFEETREE ESPRESSO
- Ⓒ SWAMP WHITE OAK
- Ⓓ HORSE CHESTNUT

EROSION LEGEND

- TOPSOIL FURNISH AND PLACE, VARIABLE DEPTH
  SEEDING, CLASS 2A
  EROSION CONTROL BLANKET
- INLET FILTERS
- —S— PERIMETER EROSION BARRIER
- —XXX— TEMPORARY FENCE
- COIR LOG
- TREE TRUNK PROTECTION FENCE
- PROPOSED TREE

FILE NAME = 4425.200-pr5.dwg	USER NAME = MARK COBB	DESIGNED - KLB	REVISED -
		DRAWN - GW3	REVISED -
	PLOT SCALE = 1" = .1667'	CHECKED - KLB	REVISED -
	PLOT DATE = 10/12/2020 3:51 PM	DATE - 10/12/2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL EROSION AND SEDIMENT CONTROL PLAN
U.S. RTE 14 (NORTHWEST HWY) AT METRA ACCESS
VILLAGE OF BARRINGTON, ILLINOIS

SCALE 1"=20' | SHEET NO. 1 OF 4 SHEETS | STA. 331+50 | TO STA. 336+50

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	12-00089-00-PK	COOK	90	29
		CONTRACT #:	61E91	
		ILLINOIS FED. AID PROJECT		

GRAPHIC SCALE
20 0 10 20
(IN FEET)
1 inch = 20 ft.

N

MATCHLINE STATION 336+50

PROJECT LIMITS
STA. 342+62

EX. R.O.W.

ASPHALT

CONCRETE

SIDEWALK

CONC.

LANDSCAPE

EXISTING BUILDING

SIGN

24" RESTRICTOR

RIM: 841.02
INV: 837.62

RIM: 841.04
INV: 838.64

RIM: 841.20
INV: 835.50 NW
INV: 835.21 SW

RIM: 841.05
INV: 836.69

RIM: 840.19
INV: 836.19

12" FES
INV: 834.79

RIM: 837.70
INV: 834.50 NE
INV: 834.20 NW
INV: 834.10 SW

RIM: 839.21
INV: 837.21

RIM: 840.28
INV: 836.83

RIM: 840.49
INV: N/A NE
INV: 830.39

RIM: 840.92
T/P: N/A

RIM: 840.64
INV: 837.74

RIM: 840.29
INV: 836.09

RIM: 840.65
INV: 836.25 SE
INV: 833.45 NE,SW

RIM: 841.36
INV: 830.16 SE
INV: 827.66 SW

RIM: 841.23
INV: N/A

RIM: 841.13
INV: 832.33 W

RIM: 842.06
INV: N/A

RIM: 844.52
INV: 835.92 SE
INV: 828.85 NW
INV: 828.17 NE
INV: 827.37 SW

RIM: 844.91
INV: 832.30 E
T/PLATE=831.90
INV: 828.70 NW
T/ORIFICE=828.20
INV: 828.10 SE

RIM: 844.32
INV: 834.82

RIM: 844.24
INV: 838.14 NW
INV: 837.94 E

RIM: 843.98
INV: 835.08

RIM: 843.20
INV: 830.68 E
INV: 829.90 N
INV: 829.80 SE

F.F.=843.50
F.F.=843.53

337+00
338+00
339+00
340+00
341+00
342+00

95.59'
24.59'

US RTE 14

(NORTHWEST HWY)

METRA STATION ACCESS

MATCH LINE STA. 1+00
(SEE SHEET 31)

TREE LEGEND

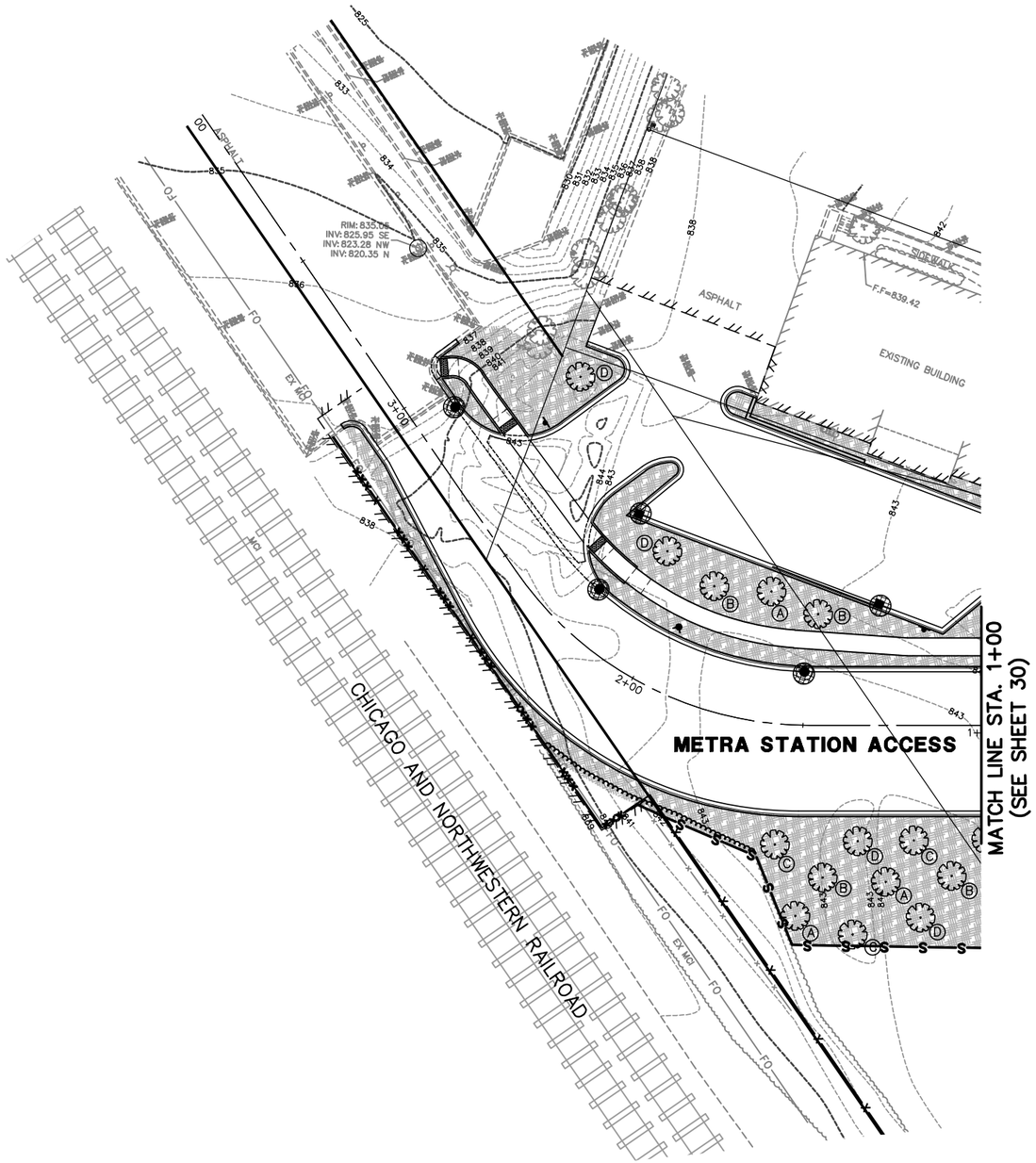
- Ⓐ GINKGO TREE (MALE ONLY)
- Ⓑ KENTUCKY COFFEETREE ESPRESSO
- Ⓒ SWAMP WHITE OAK
- Ⓓ HORSE CHESTNUT

EROSION LEGEND

- TOPSOIL FURNISH AND PLACE, VARIABLE DEPTH SEEDING, CLASS 2A EROSION CONTROL BLANKET
- INLET FILTERS
- —S— PERIMETER EROSION BARRIER
- —xxx— TEMPORARY FENCE
- COIR LOG
- TREE TRUNK PROTECTION FENCE
- PROPOSED TREE

FILE NAME = 4425.200-pr5.dwg	USER NAME = MARK COBB	DESIGNED - KLB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SOIL EROSION AND SEDIMENT CONTROL PLAN U.S. RTE 14 (NORTHWEST HWY) AT METRA ACCESS VILLAGE OF BARRINGTON, ILLINOIS
		DRAWN - GW3	REVISED -		
	PLOT SCALE = 1" = .1667'	CHECKED - KLB	REVISED -		SCALE: 1"=20' SHEET NO. 2 OF 4 SHEETS STA. 336+50 TO STA. 342+62
	PLOT DATE = 10/12/2020 3:52 PM	DATE - 10/12/2020	REVISED -		

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	12-00089-00-PK	COOK	90	30
		CONTRACT #:	61E91	
		ILLINOIS FED. AID PROJECT		



EROSION LEGEND

- TOPSOIL FURNISH AND PLACE, VARIABLE DEPTH
  SEEDING, CLASS 2A
  EROSION CONTROL BLANKET
- INLET FILTERS
- PERIMETER EROSION BARRIER
- TEMPORARY FENCE
- COIR LOG
- TREE TRUNK PROTECTION FENCE
- PROPOSED TREE

N

GRAPHIC SCALE

20 0 10 20

(IN FEET)
1 inch = 20 ft.

TREE LEGEND

- (A) GINKGO TREE (MALE ONLY)
- (B) KENTUCKY COFFEETREE ESPRESSO
- (C) SWAMP WHITE OAK
- (D) HORSE CHESTNUT

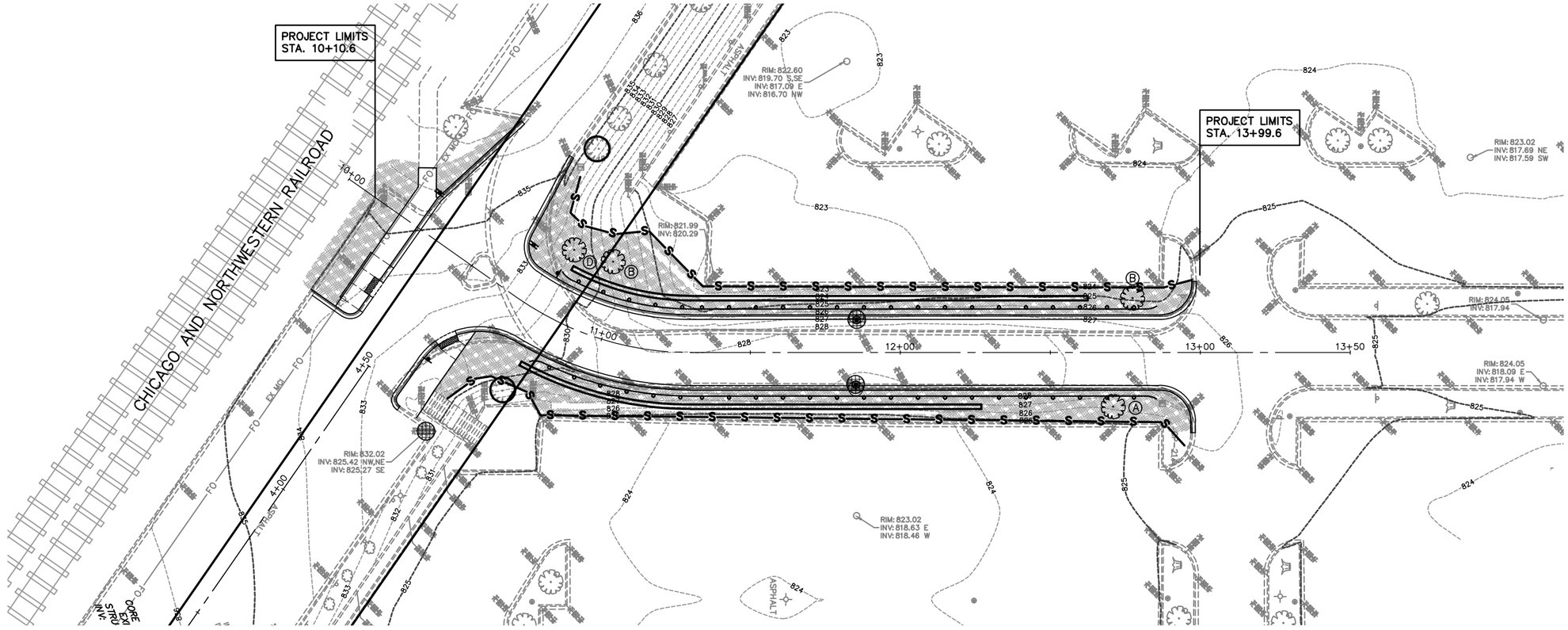
FILE NAME = 4425.200-pr5.dwg	USER NAME = MARK COBB	DESIGNED - KLB	REVISED -
		DRAWN - GW3	REVISED -
	PLOT SCALE = 1" = .1667'	CHECKED - KLB	REVISED -
	PLOT DATE = 10/12/2020 3:52 PM	DATE - 10/12/2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL EROSION AND SEDIMENT CONTROL PLAN
U.S. RTE 14 (NORTHWEST HWY) AT METRA ACCESS
VILLAGE OF BARRINGTON, ILLINOIS

SCALE: 1"=20' | SHEET NO. 3 OF 4 SHEETS | STA. 0+00 | TO STA. 3+50

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	12-00089-00-PK	COOK	90	31
		CONTRACT #:	61E91	
		ILLINOIS FED. AID PROJECT		



TREE LEGEND

- Ⓐ GINKGO TREE (MALE ONLY)
- Ⓑ KENTUCKY COFFEETREE ESPRESSO
- Ⓒ SWAMP WHITE OAK
- Ⓓ HORSE CHESTNUT

EROSION LEGEND

- TOPSOIL FURNISH AND PLACE, VARIABLE DEPTH
  SEEDING, CLASS 2A
  EROSION CONTROL BLANKET
- INLET FILTERS
- —S— PERIMETER EROSION BARRIER
- —xxx— TEMPORARY FENCE
- COIR LOG
- TREE TRUNK PROTECTION FENCE
- PROPOSED TREE

FILE NAME = 4425.200-pr5.dwg	USER NAME = MARK COBB	DESIGNED - KLB	REVISED -
		DRAWN - GW3	REVISED -
	PLOT SCALE = 1" = .1667'	CHECKED - KLB	REVISED -
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL EROSION AND SEDIMENT CONTROL PLAN
U.S. RTE 14 (NORTHWEST HWY) AT METRA ACCESS
VILLAGE OF BARRINGTON, ILLINOIS

SCALE: 1"=20' | SHEET NO. 4 OF 4 SHEETS | STA. 10+00 | TO STA. 13+50

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	12-00089-00-PK	COOK	90	32
		CONTRACT #: 61E91		
		ILLINOIS FED. AID PROJECT		

EROSION CONTROL NOTES

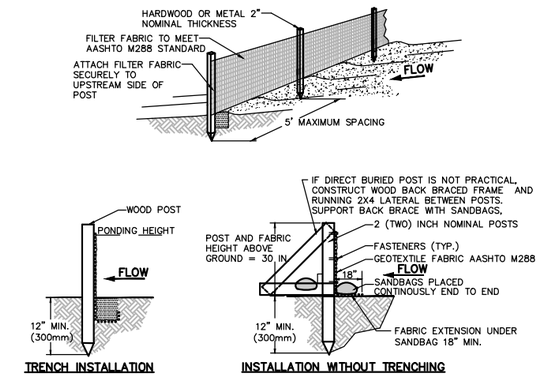
1. AT A MINIMUM, THE CONTRACTOR SHALL INSTALL AND MAINTAIN SOIL EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES IN ACCORDANCE WITH THE REQUIREMENTS SET FORTH IN THE LATEST EDITION OF THE ILLINOIS ENVIRONMENTAL PROTECTION AGENCY'S URBAN MANUAL.
2. DISTURBED AREAS AND AREAS USED FOR STORAGE OF MATERIALS THAT ARE EXPOSED TO PRECIPITATION SHALL BE INSPECTED FOR EVIDENCE OF, OR THE POTENTIAL FOR, POLLUTANTS ENTERING THE DRAINAGE SYSTEM. WHERE DISCHARGE LOCATIONS OR POINTS ARE ACCESSIBLE, THEY SHALL BE INSPECTED TO ASCERTAIN WHETHER EROSION CONTROL MEASURES ARE EFFECTIVE IN PREVENTING SIGNIFICANT IMPACTS TO RECEIVING WATERS.
3. LOCATIONS WHERE VEHICLES ENTER OR EXIT THE SITE SHALL BE INSPECTED FOR EVIDENCE OF OFFSITE SEDIMENT TRACKING. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CLEANING ANY ROAD OF MATERIAL THAT IS FROM THE PROJECT. THIS WILL BE DONE AT THE CLOSE OF EACH DAY OF WORK OR MORE FREQUENTLY AS FIELD CONDITIONS WARRANT.
4. ALL STORM WATER STRUCTURES WITH OPEN LIDS SHALL BE PROTECTED WITH INLET FILTER BASKETS. DURING CONSTRUCTION, SEDIMENT SHALL BE REMOVED AS NEEDED, AND BASKETS SHALL BE REPAIRED OR REPLACED AS NEEDED.
5. AFTER ACHIEVING PERMANENT VEGETATION, ALL EROSION AND SEDIMENT CONTROL DEVICES SHALL BE REMOVED, AND THE DRAINAGE STRUCTURES SHALL BE CLEANED.
6. THE CONTRACTOR SHALL KEEP A WATER SOURCE AT THEIR DISPOSAL FOR THE PURPOSE OF WATERING DOWN SOIL ON SITE AND ADJACENT ROADWAYS WHICH OTHERWISE MAY BECOME AIRBORNE.
7. THE CONTRACTOR SHALL STABILIZE ALL IDLE, DISTURBED AREAS WITHIN SEVEN DAYS OF CESSATION OF THE CONSTRUCTION ACTIVITIES IN THAT AREA.
8. THE CONTRACTOR IS EXPRESSLY ADVISED NOT TO DISTURB AREAS WHICH ARE OUTSIDE THOSE NECESSARY TO PROVIDE THE IMPROVEMENTS AS CALLED FOR IN THE PLANS.
9. ALL EROSION CONTROL MEASURES SHALL BE REPLACED IF DAMAGED OR MAINTAINED THROUGHOUT THE LIFE OF THE PROJECT.
10. ALL BYPASS CHANNELS, MUST BE CONSTRUCTED SO THAT CHANNEL FLOWS WILL NOT CAUSE EROSION OF EXCAVATED MATERIAL. IN EACH CASE A SEDIMENTATION BASIN MUST BE CONSTRUCTED SO AS TO ALLOW THE SEDIMENT TO SETTLE PRIOR TO THE DOWNSTREAM OUTLET OF THE PROJECT AREA.
11. PUMPS MAY BE USED AS BYPASS DEVICES, BUT IN NO CASE WILL THE WATER BE DIVERTED OUTSIDE THE PROJECT LIMIT. ALL PUMPED WATER SHALL BE FREE OF SILT. PUMPING MAY REQUIRE THE USE OF A SEDIMENT CONTAINMENT FILTER BAG AND OTHER SUPPLEMENTAL SEDIMENT CONTROL MEASURES.
12. CONCRETE WASHOUT FACILITIES SHALL BE MADE AVAILABLE IF NEEDED, AND PROPERLY MAINTAINED THROUGHOUT THE PROJECT.
13. PROPERLY MANAGE ALL MATERIAL STORAGE AREAS, PORTABLE TOILETS, AND EQUIPMENT FUELING, CLEANING, AND MAINTENANCE AREAS TO ENSURE THESE AREAS ARE FREE OF SPILLS, LEAKS, OR OTHER POTENTIAL POLLUTANTS.
14. WASTE, CONSTRUCTION DEBRIS, AND BUILDING MATERIALS SHALL BE COLLECTED AND PLACED IN APPROVED RECEPTACLES.
15. ALL STOCKPILES SHALL HAVE APPROPRIATE MEASURES TO PREVENT EROSION, STOCKPILES SHALL NOT BE PLACED IN FLOOD PRONE AREAS OR WETLANDS AND DESIGNATED BUFFERS.
16. SLOPES STEEPER THAN 3H:1V SHALL BE STABILIZED WITH APPROPRIATE MEASURES APPROVED BY THE ENFORCEMENT OFFICER.
17. STORM SEWERS THAT ARE OR WILL BE FUNCTIONING DURING CONSTRUCTION SHALL BE PROTECTED BY AN APPROPRIATE SEDIMENT CONTROL MEASURE.
18. IF INSTALLED SOIL EROSION AND SEDIMENT CONTROL MEASURES DO NOT MINIMIZE SEDIMENT LEAVING THE SITE, ADDITIONAL MEASURES SUCH AS ANIONIC POLYMERS OR FILTERATION SYSTEMS MAY BE REQUIRED BY THE ENFORCEMENT OFFICER.
19. ALL TEMPORARY SEDIMENT CONTROL MEASURES SHALL BE REMOVED WITHIN 30 DAYS AFTER FINAL SITE STABILIZATION IS ACHIEVED OR AFTER THE TEMPORARY MEASURES ARE NO LONGER NEEDED.
20. THE EROSION CONTROL MEASURES INDICATED ON THE PLANS ARE THE MINIMUM REQUIREMENTS, ADDITIONAL MEASURES MAY BE REQUIRED, AS DIRECTED BY THE ENGINEER, ENFORCEMENT OFFICER, OR OTHER GOVERNING AGENCY.

NOTES:

1. SILT FENCE SHALL BE PLACED ON SLOPE CONTOURS TO MAXIMIZE PONDING EFFICIENCY.
2. INSPECT AND REPAIR FENCE AFTER EACH STORM EVENT AND REMOVE SEDIMENT WHEN NECESSARY. 9" (225mm) MAXIMUM RECOMMENDED STORAGE HEIGHT.
3. REMOVED SEDIMENT SHALL BE DEPOSITED TO AN AREA THAT WILL NOT CONTRIBUTE SEDIMENT OFF-SITE AND CAN BE PERMANENTLY STABILIZED.
4. FABRIC AND INSTALLATION SHALL MEET THE REQUIREMENTS OF ASSHTO STANDARD SPECIFICATION M-288-00.
5. SLICING METHOD IS PREFERRED.

PROPERTY	TEST PROCEDURE	
Grab Elongation		
Machine Direction	ASTM D-4533	123 lbs
X-Machine Direction	ASTM D-4833	101 lbs
Permittivity	ASTM D-4491	0.05 sec^{-1}
A.S.O.	ASTM D-4751	30 u.s. Sieve
UV Stability	ASTM D-4355	70%

1. SET POSTS AND EXCAVATE OR SLIT-TRENCH A 6-INCH DEEP TRENCH UPSLOPE ALONG THE LINE OF THE POST
2. ATTACH AASHTO GEOTEXTILE FILTER FABRIC TO EACH POST WITH A MINIMUM OF 3(THREE) FASTENERS PER POST AND EXTEND TO THE BOTTOM OF THE TRENCH. ACCEPTABLE FASTENERS INCLUDE STAPLES, ZIP-TIES, OR WIRE TIES.
3. BACKFILL AND COMPACT THE EXCAVATED SPOIL MATERIALS



03.15.2016

GHA GEWALT HAMILTON ASSOCIATES, INC.

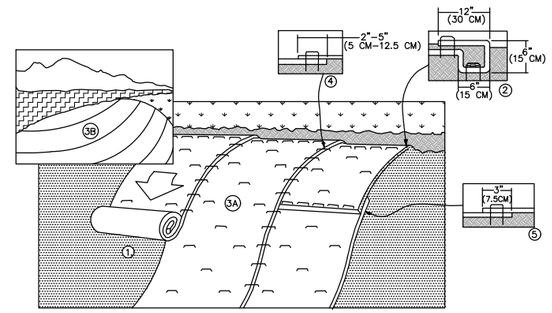
SILT FENCE INSTALLATION DETAIL

NOTES:

1. PREPARE SOIL BEFORE INSTALLING ROLLED EROSION CONTROL PRODUCTS (RECP'S), INCLUDING ANY NECESSARY APPLICATION OF LIME, FERTILIZER, AND SEED.
2. BEGIN AT THE TOP OF THE SLOPE BY ANCHORING THE RECP'S IN A 6" (15 CM) WIDE TRENCH WITH APPROXIMATELY 12" (30 CM) APART IN THE BOTTOM OF THE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING. APPLY SEED TO COMPACTED SOIL AND FOLD REMAINING 12" (30 CM) PORTION OF RECP'S BACK OVER SEED AND COMPACTED SOIL. SECURE RECP'S OVER COMPACTED SOIL WITH A ROW OF STAPLES/STAKES SPACED APPROXIMATELY 12" (30 CM) APART ACROSS THE WIDTH OF THE RECP'S.
3. ROLL THE RECP'S (A.) DOWN OR (B.) HORIZONTALLY ACROSS THE SLOPE. RECP'S WILL UNROLL WITH APPROPRIATE SIDE AGAINST SOIL SURFACE. ALL RECP'S MUST BE SECURELY FASTENED TO SOIL SURFACE BY PLACING STAPLES/STAKES IN APPROPRIATE LOCATIONS AS SHOWN IN THE STAPLE PATTERN GUIDE. WHEN USING THE DOT SYSTEM, STAPLES/STAKES SHOULD BE PLACED THROUGH EACH OF THE COLORED DOTS CORRESPONDING TO THE APPROPRIATE STAPLE PATTERN.
4. THE EDGES OF PARALLEL RECP'S MUST BE STAPLED WITH APPROXIMATELY 2"-5" (5 CM - 12.5 CM) OVERLAP DEPENDING ON RECP'S TYPE.
5. CONSECUTIVE RECP'S SPLICED DOWN THE SLOPE MUST BE PLACED END OVER END (SHINGLE STYLE) WITH AN APPROXIMATE 3" (7.5 CM) OVERLAP. STAPLE THROUGH OVERLAPPED AREA, APPROXIMATELY 12" (30 CM) APART ACROSS ENTIRE RECP'S WIDTH.

NOTE:

*IN LOOSE SOIL, CONDITIONS, THE USE OF STAPLE OR STAKE LENGTHS GREATER THAN 6" (15 CM) MAY BE NECESSARY TO PROPERLY SECURE THE RECP'S.



STAPLE PLACEMENTS SHOWN FOR ILLUSTRATIVE PURPOSES ONLY. SEE STAPLE PATTERN GUIDES FOR ACTUAL RECOMMENDED PLACEMENTS.

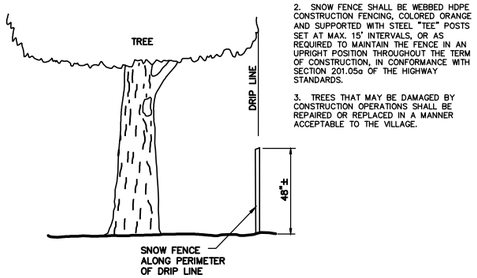
03.15.2016

GHA GEWALT HAMILTON ASSOCIATES, INC.

EROSION CONTROL BLANKET SLOPE INSTALLATION

NOTES:

1. EXISTING TREES TO BE PROTECTED SHALL HAVE SNOW FENCE INSTALLED AT THE DRIP LINE OF THE TREE TO PREVENT THE STOCKPILING OF EXCAVATED OR CONSTRUCTION MATERIALS UNDER THE TREE, AND PROHIBIT VEHICULAR TRAFFIC OR EXCESSIVE FOOT TRAFFIC WITHIN THE DRIP LINE.
2. SNOW FENCE SHALL BE WEBBED HDPE CONSTRUCTION FENCING, COLORED ORANGE AND SUPPORTED WITH STEEL "TEE" POSTS SET AT MAX. 15' INTERVALS, OR AS REQUIRED TO MAINTAIN THE FENCE IN AN UPRIGHT POSITION THROUGHOUT THE TERM OF CONSTRUCTION, IN CONFORMANCE WITH SECTION 201.05a OF THE HIGHWAY STANDARDS.
3. TREES THAT MAY BE DAMAGED BY CONSTRUCTION OPERATIONS SHALL BE REPAIRED OR REPLACED IN A MANNER ACCEPTABLE TO THE VILLAGE.



ELEVATION

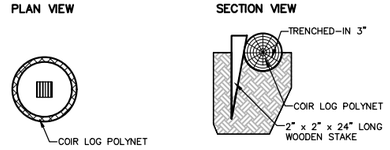
03.15.2016

GHA GEWALT HAMILTON ASSOCIATES, INC.

TREE PROTECTION FENCING DETAIL

NOTES:

1. DO NOT SCALE DRAWING.
2. REFER TO MANUFACTURER'S PRODUCT SPECIFICATIONS TO ENSURE QUALITY OF THE PRODUCTS



DROP INLET OR MANHOLE
INLET PROTECTION FOR DROP INLETS OR MANHOLES

* USE 9LB DENSITY 12" DIAMETER, 20' LONG COIR LOG POLYNET FOR STANDARD CIRCULAR DRAINAGE STRUCTURES. PLACE THE COIR LOG AROUND THE STRUCTURE AND JOIN THE ENDS TOGETHER WITH COIR TWINE. USE 2"x2"x24" WOODEN STAKES SPACED 3' APART TO HOLD DOWN LOG POLYNET.

MAINTENANCE
1. CLEAN OUT SEDIMENT BEHIND LOG WHEN ½ FULL
2. RESECURE LOOSE LOGS
3. REPLACE LOGS AS NEEDED
4. REMOVE WHEN NOT NEEDED

03.15.2016

GHA GEWALT HAMILTON ASSOCIATES, INC.

COIR ROLL DETAIL INLET PROTECTION

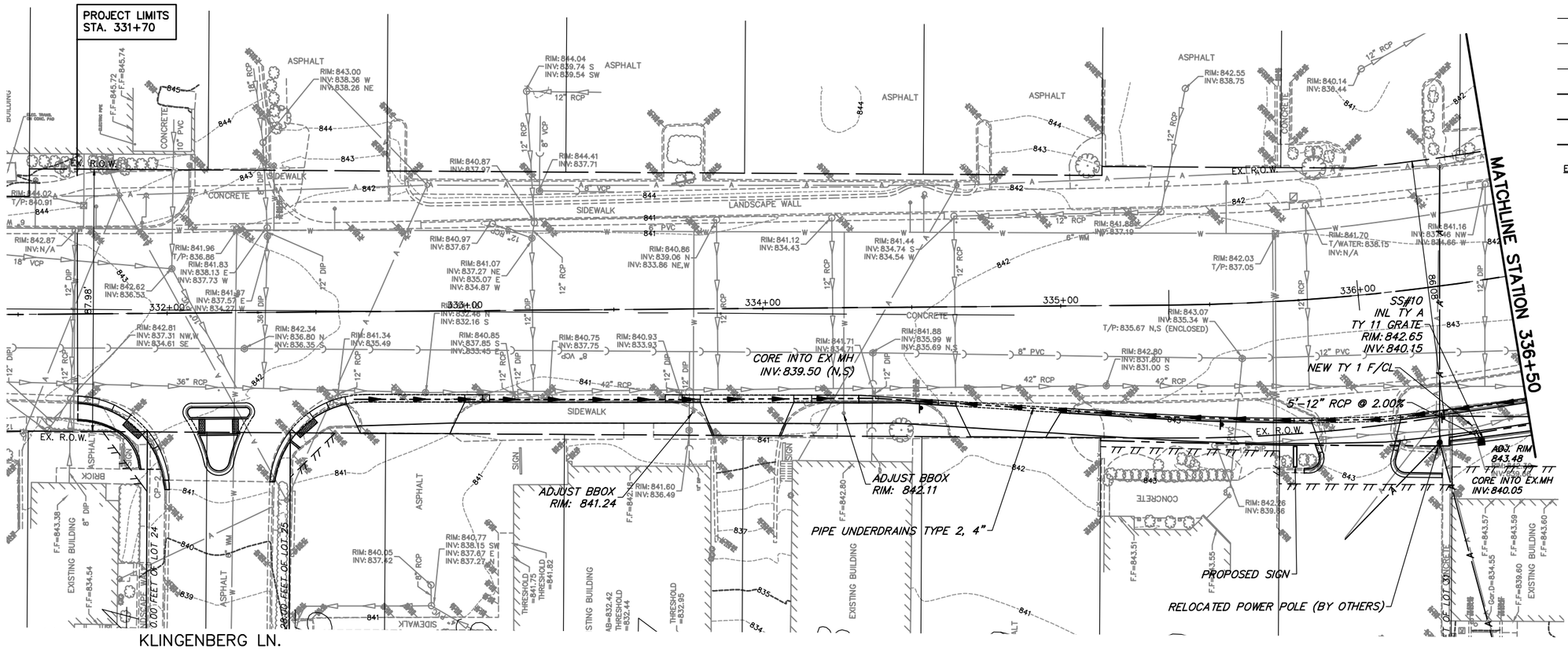
FILE NAME = 4425.200-DT1.dwg	USER NAME = MARK COBB	DESIGNED - KLB	REVISED -	
		DRAWN - GW3	REVISED -	
	PLOT SCALE = 1" = .1667'	CHECKED - KLB	REVISED -	
	PLOT DATE = 10/12/2020 3:33 PM	DATE - 10/12/2020	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL EROSION AND SEDIMENT CONTROL NOTES AND DETAILS
U.S. RTE 14 (NORTHWEST HWY) AT METRA STATION ACCESS
VILLAGE OF BARRINGTON, ILLINOIS

SCALE: N.T.S. | SHEET NO. 1 OF 1 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	12-00089-00-PK	COOK	90	33
		CONTRACT #:	61E91	
		ILLINOIS FED. AID PROJECT		



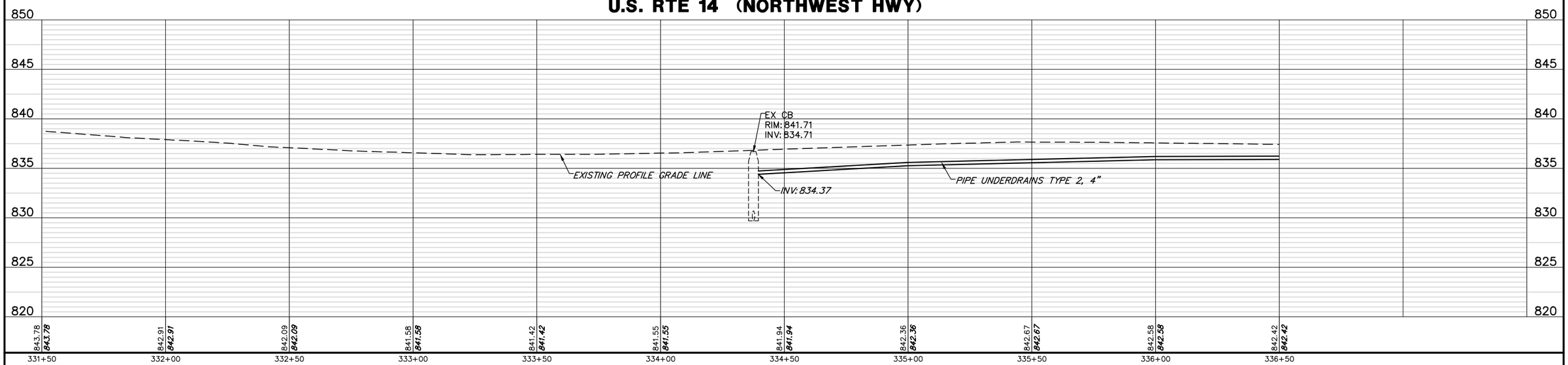
DRAINAGE & UTILITY LEGEND

- EXISTING STORM SEWER
- EXISTING SANITARY SEWER
- EXISTING WATERMAIN
- PROPOSED STORM SEWER
- PROPOSED SANITARY SEWER
- PROPOSED WATERMAIN

EXISTING	PROPOSED	
◎	◉	STORM MANHOLE
○	●	STORM CATCHBASIN
□	■	STORM INLET
▷	▶	FLARED END SECTION
◎	◉	SANITARY MANHOLE
⊠	■	VALVE VAULT
⊗	●	VALVE BOX
⊛	●	FIRE HYDRANT
⊛	●	BUFFALO BOX
✧	✦	STREET LIGHT
○	●	POWER POLE
⊲	◀	SIGN

GRAPHIC SCALE
20 0 10 20
(IN FEET)
H. 1"= 20 ft. V. 1"= 5 ft.

U.S. RTE 14 (NORTHWEST HWY)



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GRAPHIC SCALE
20 0 10 20
(IN FEET)
H. 1"= 20 ft. V. 1"= 5 ft.

N

PROJECT LIMITS
STA. 342+62

MATCHLINE STATION 336+50

FOR CONTINUATION (SEE SHEET 36)

METRA STATION ACCESS

ADJUST BBOX RIM: 843.36

ADJ. RIM 843.21

ADJ. RIM 843.25

ADJ. RIM 843.28

ADJ. RIM 841.12

PIPE UNDERDRAINS TYPE 2, 4"

22'-12" RCP @ 2.00%

75'-12" RCP @ 4.00%

SSA4 INL TY A TY 11 GRATE RIM: 842.60 INV: 839.60

SSA4 INL TY A TY 11 GRATE RIM: 842.92 INV: 840.25 (W) OFFSET: -24.00' L

EX. R.O.W.

LANDSCAPE

SIDEWALK

ASPHALT

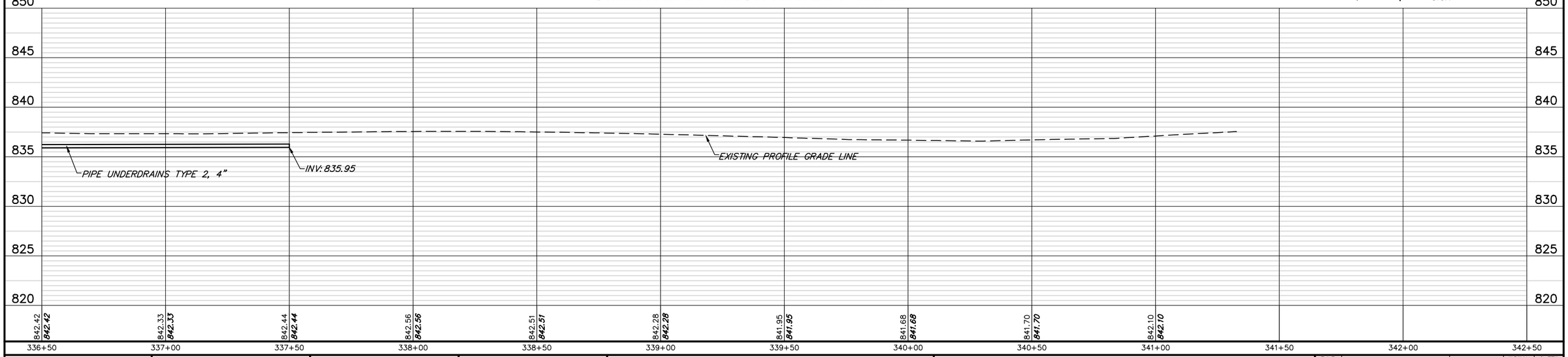
CONC.

DRAINAGE & UTILITY LEGEND

	EXISTING	PROPOSED
STORM MANHOLE	◎	◉
STORM CATCHBASIN	○	●
STORM INLET	□	■
FLARED END SECTION	▷	▶
SANITARY MANHOLE	◎	⬣
VALVE VAULT	⊠	◘
VALVE BOX	⊗	●
FIRE HYDRANT	♉	♉
BUFFALO BOX	⊕	●
STREET LIGHT	☼	✦
POWER POLE	○	●
SIGN	∤	∤

EXISTING STORM SEWER
EXISTING SANITARY SEWER
EXISTING WATERMAIN
PROPOSED STORM SEWER
PROPOSED SANITARY SEWER
PROPOSED WATERMAIN

U.S. RTE 14 (NORTHWEST HWY)



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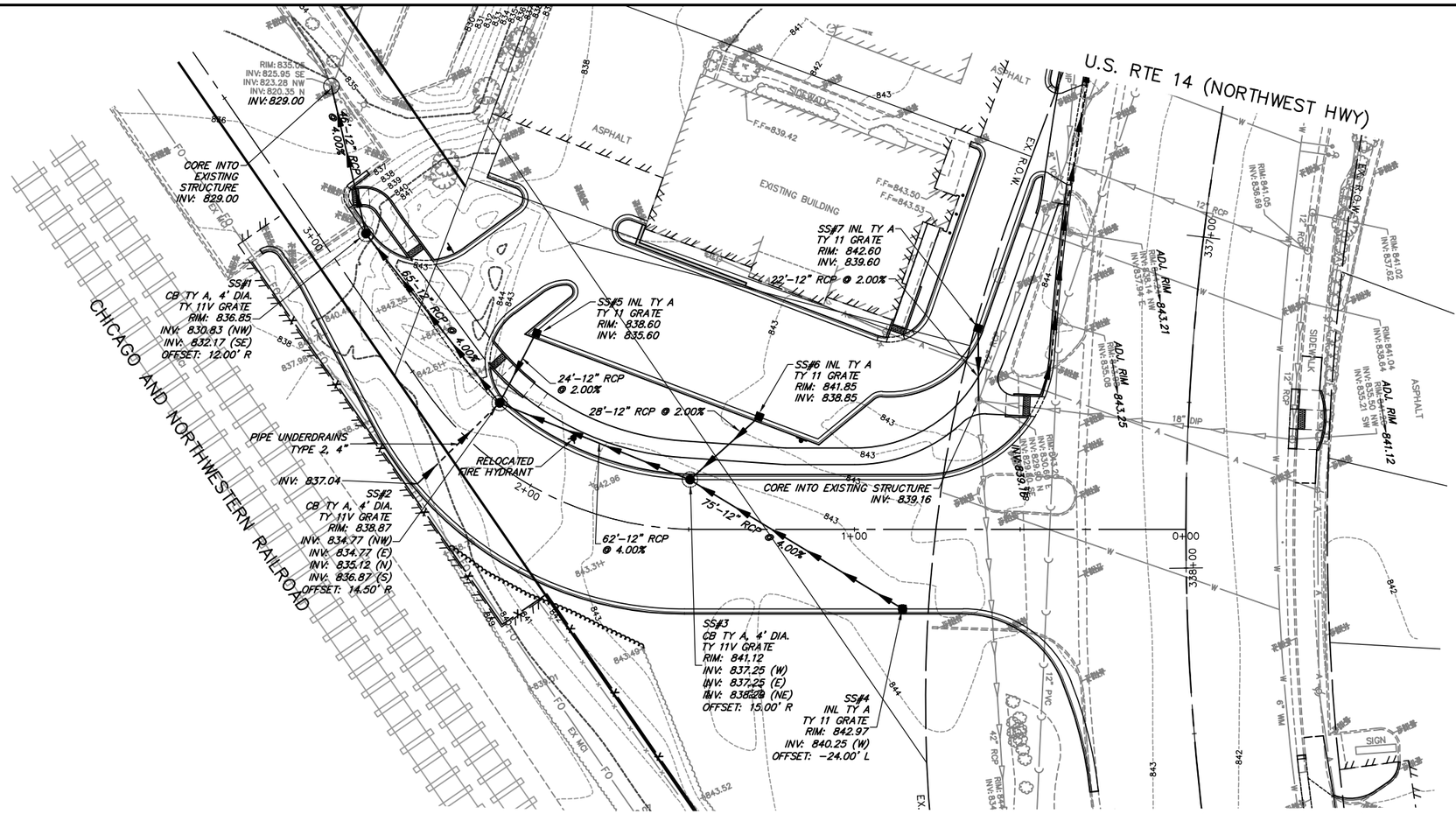


GRAPHIC SCALE
20 10 0 10 20
(IN FEET)
H. 1"= 20 ft. V. 1"= 5 ft.

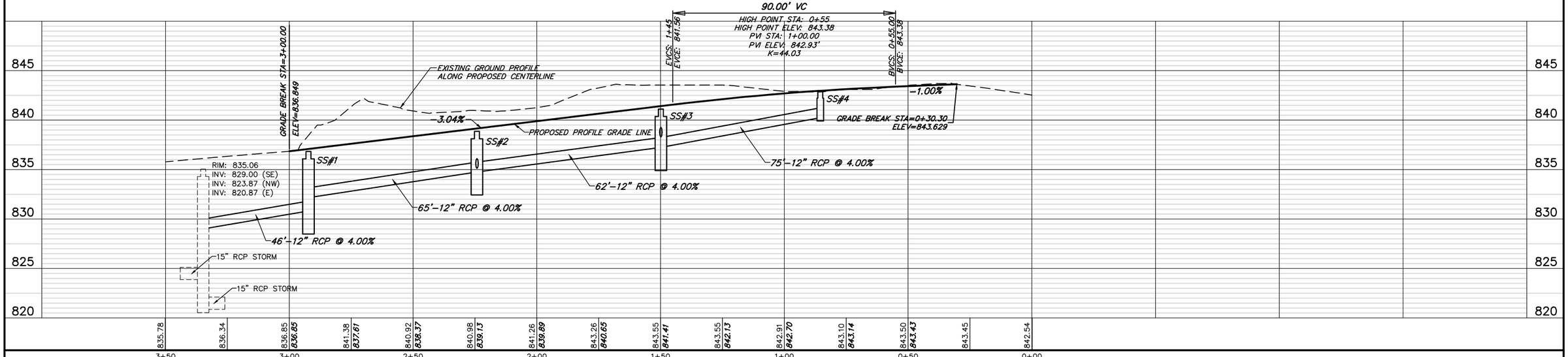
N

DRAINAGE & UTILITY LEGEND

- EXISTING STORM SEWER
- EXISTING SANITARY SEWER
- EXISTING WATERMAIN
- PROPOSED STORM SEWER
- PROPOSED SANITARY SEWER
- PROPOSED WATERMAIN

EXISTING	PROPOSED	
◎	◉	STORM MANHOLE
○	●	STORM CATCHBASIN
□	■	STORM INLET
▷	▶	FLARED END SECTION
◎	⬢	SANITARY MANHOLE
⊠	◘	VALVE VAULT
⊗	●	VALVE BOX
♂	♂	FIRE HYDRANT
⊕	●	BUFFALO BOX
⊹	✦	STREET LIGHT
⊸	●	POWER POLE
⚲	⚲	SIGN

METRA STATION ACCESS



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		DRAWN - GW3	REVISED -			305	12-00089-00-PK	COOK	90	36
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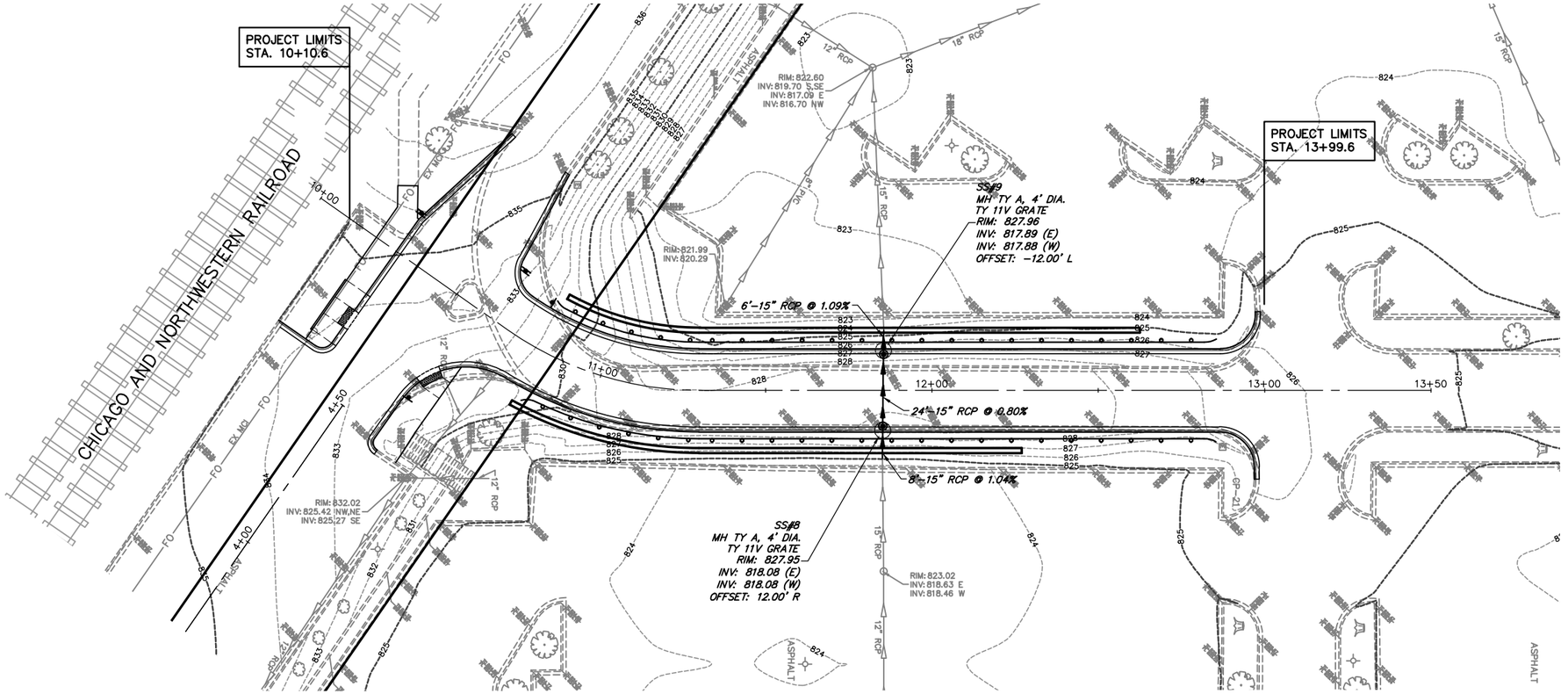
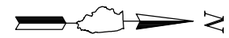




GRAPHIC SCALE

20 0 10 20

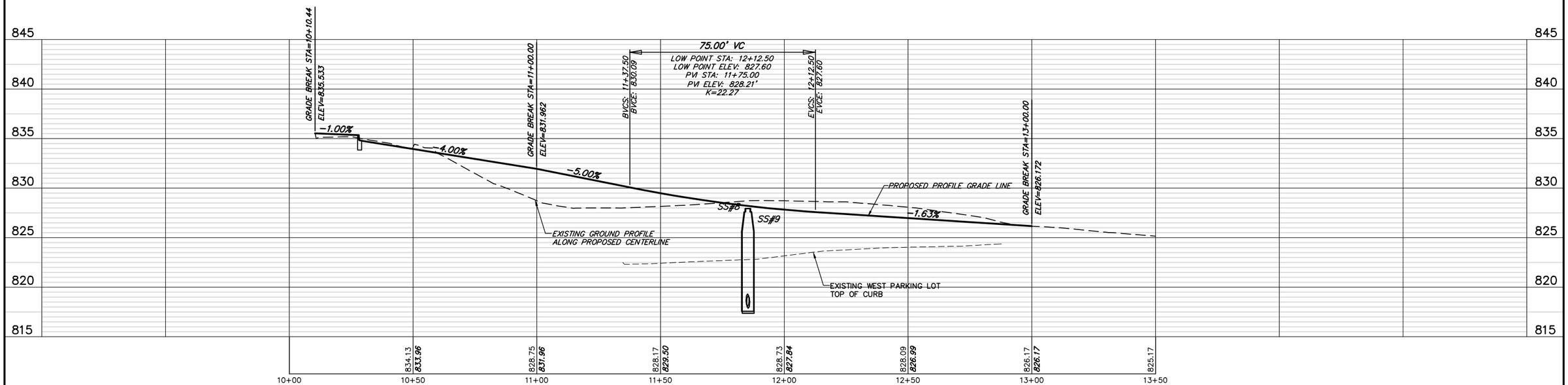
(IN FEET)

H. 1"= 20 ft. V. 1"= 5 ft.

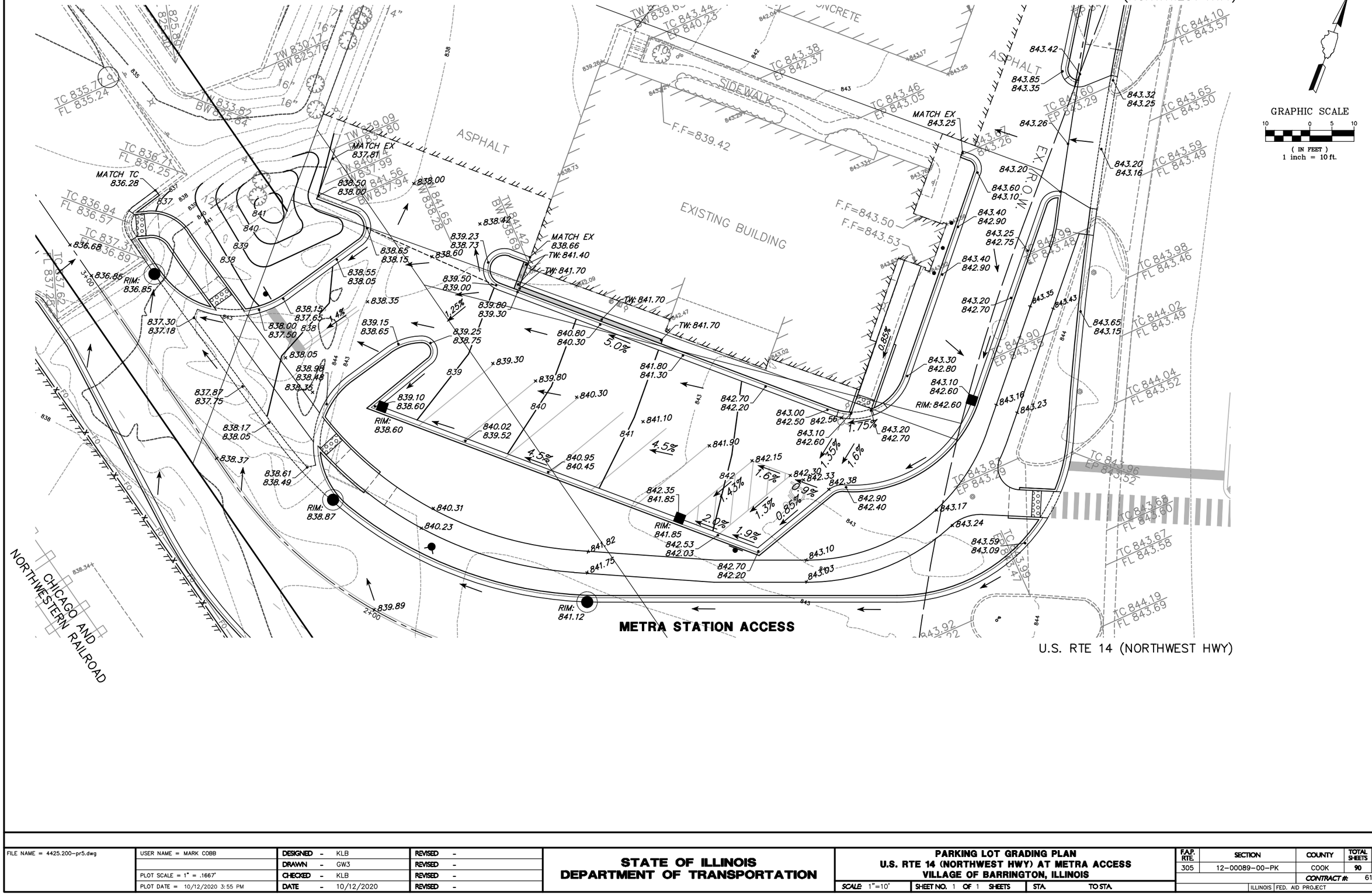
DRAINAGE & UTILITY LEGEND

	EXISTING STORM SEWER
	EXISTING SANITARY SEWER
W	EXISTING WATERMAIN
	PROPOSED STORM SEWER
	PROPOSED SANITARY SEWER
W	PROPOSED WATERMAIN

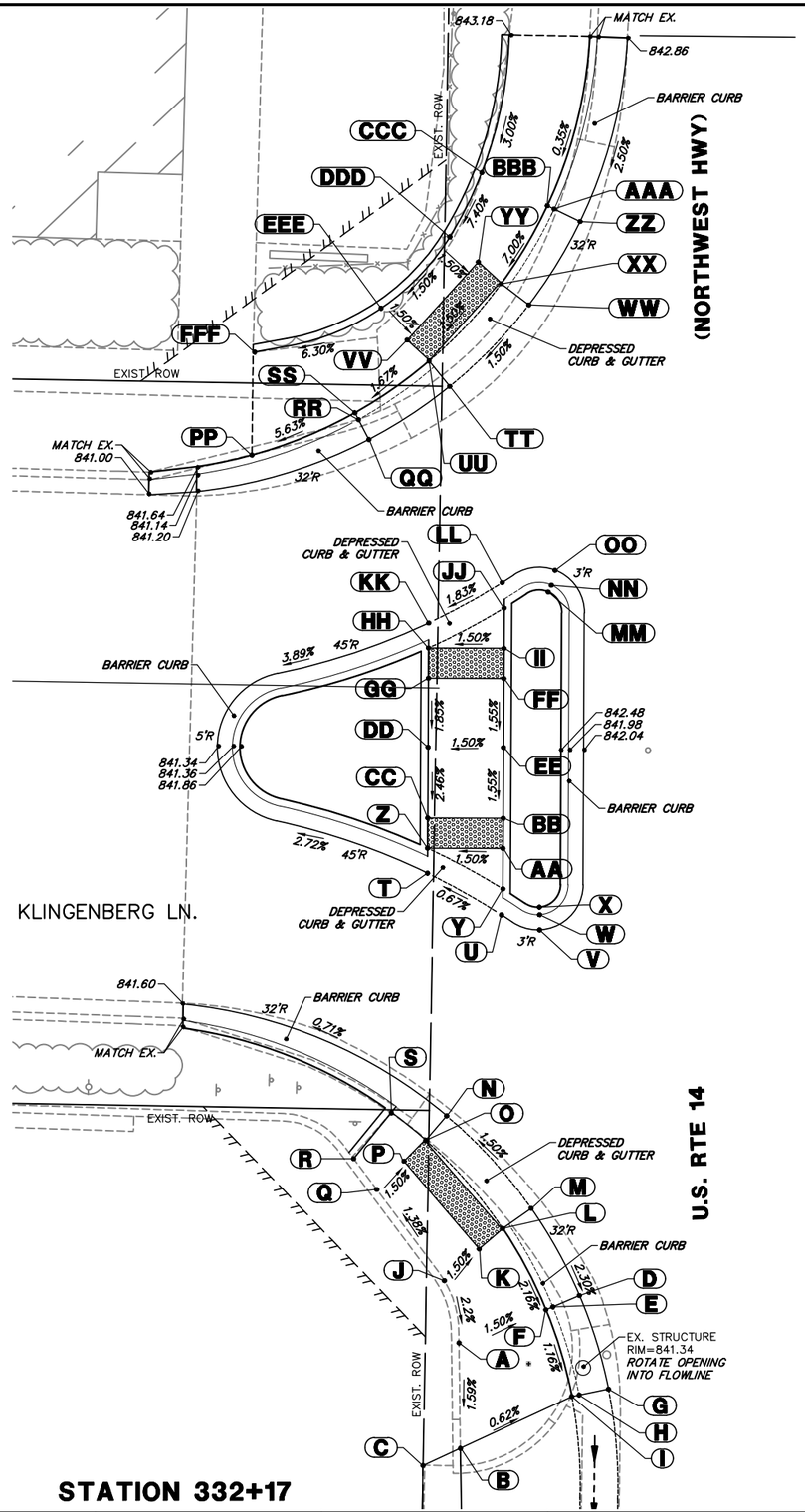
EXISTING	PROPOSED	
◎	◉	STORM MANHOLE
○	●	STORM CATCHBASIN
□	■	STORM INLET
▷	▶	FLARED END SECTION
◎	◉	SANITARY MANHOLE
⊠	■	VALVE VAULT
⊗	●	VALVE BOX
♉	♉	FIRE HYDRANT
⊙	●	BUFFALO BOX
☼	✦	STREET LIGHT
⊸	●	POWER POLE
∮	∮	SIGN



FILE NAME = 4425.200-pr5.dwg	USER NAME = MARK COBB	DESIGNED - KLB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DRAINAGE AND UTILITY PLAN U.S. RTE 14 (NORTHWEST HWY) AT METRA ACCESS VILLAGE OF BARRINGTON, ILLINOIS			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS / SHEET NO.
		DRAWN - GW3	REVISED -					305	12-00089-00-PK	COOK	90 / 37
	PLOT SCALE = 1" = .1667'	CHECKED - KLB	REVISED -							CONTRACT #:	61E91
	PLOT DATE = 10/12/2020 3:55 PM	DATE - 10/12/2020	REVISED -		SCALE: AS NOTED	SHEET NO. 4 OF 4 SHEETS	STA. 10+00 TO STA. 13+50			ILLINOIS FED. AID PROJECT	



FILE NAME = 4425.200-pr5.dwg	USER NAME = MARK COBB	DESIGNED - KLB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PARKING LOT GRADING PLAN U.S. RTE 14 (NORTHWEST HWY) AT METRA ACCESS VILLAGE OF BARRINGTON, ILLINOIS			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS / SHEET NO.
		DRAWN - GW3	REVISED -					305	12-00089-00-PK	COOK	90 / 38
	PLOT SCALE = 1" = .1667'	CHECKED - KLB	REVISED -		SCALE: 1"=10'	SHEET NO. 1 OF 1 SHEETS	STA. TO STA.			CONTRACT #:	61E91
	PLOT DATE = 10/12/2020 3:55 PM	DATE - 10/12/2020	REVISED -							ILLINOIS FED. AID PROJECT	



N

GRAPHIC SCALE

5 0 2.5 5

(IN FEET)
1 inch = 5 ft.

ADA GRADING TABLE			
	STATION	OFFSET	ELEVATION
A	332+56.5	38.4' R	841.73
B	332+63.5	38.3' R	841.62
C	332+64.6	40.8' R	841.32
D	332+53.3	30.4' R	841.68
E	332+54.1	32.2' R	841.58
F	332+54.3	32.7' R	841.64
G	332+59.5	28.5' R	841.57
H	332+59.9	30.4' R	841.45
I	332+60	30.9' R	841.57
J	332+52.4	39.4' R	841.83
K	332+50.3	37.1' R	841.78
L	332+48.9	35.5' R	841.77
M	332+47.6	33.7' R	841.83
N	332+41.4	39.3' R	841.72
O	332+43.1	40.7' R	841.66
P	332+44.4	42.1' R	841.69
Q	332+46.3	43.9' R	841.72
R	332+44.3	45.4' R	841.72
S	332+41.2	42.9' R	841.72
T	332+25.4	40.6' R	841.83
U	332+28.1	35.7' R	841.87
V	332+29.1	33.2' R	842.03
W	332+28.1	33.2' R	841.97
X	332+27.6	33.2' R	842.47
Y	332+26.4	35.6' R	841.86
Z	332+23.7	40.6' R	841.82

ADA GRADING TABLE			
	STATION	OFFSET	ELEVATION
AA	332+23.7	35.6' R	841.90
BB	332+21.7	35.6' R	841.93
CC	332+21.7	40.6' R	841.85
DD	332+17	40.6' R	841.92
EE	332+17	35.6' R	842.00
FF	332+12.4	35.6' R	842.07
GG	332+12.4	40.6' R	842.00
HH	332+10.4	40.6' R	842.03
II	332+10.4	35.6' R	842.10
JJ	332+07.8	35.6' R	842.14
KK	332+08.8	40.6' R	842.04
LL	332+06.1	35.7' R	842.15
MM	332+06.7	32.7' R	842.75
NN	332+06.2	32.5' R	842.25
OO	332+05.3	32.2' R	842.31
PP	331+97.7	52.3' R	841.89
QQ	331+96.6	44.6' R	841.89
RR	331+95.3	45.3' R	841.79
SS	331+94.9	45.5' R	842.29
TT	331+93.1	39.2' R	842.28
UU	331+91.4	40.6' R	842.39
VV	331+90	42.1' R	842.42
WW	331+87.7	34.0' R	842.38
XX	331+86.3	35.8' R	842.49
YY	331+84.8	37.4' R	842.52
ZZ	331+82.1	30.6' R	842.53

ADA GRADING TABLE			
	STATION	OFFSET	ELEVATION
AAA	331+81.3	32.4' R	842.42
BBB	331+81.1	32.8' R	842.92
CCC	331+78.9	37.2' R	842.92
DDD	331+83.2	39.3' R	842.55
EEE	331+87.9	43.8' R	842.49
FFF	331+90.9	52.2' R	842.00

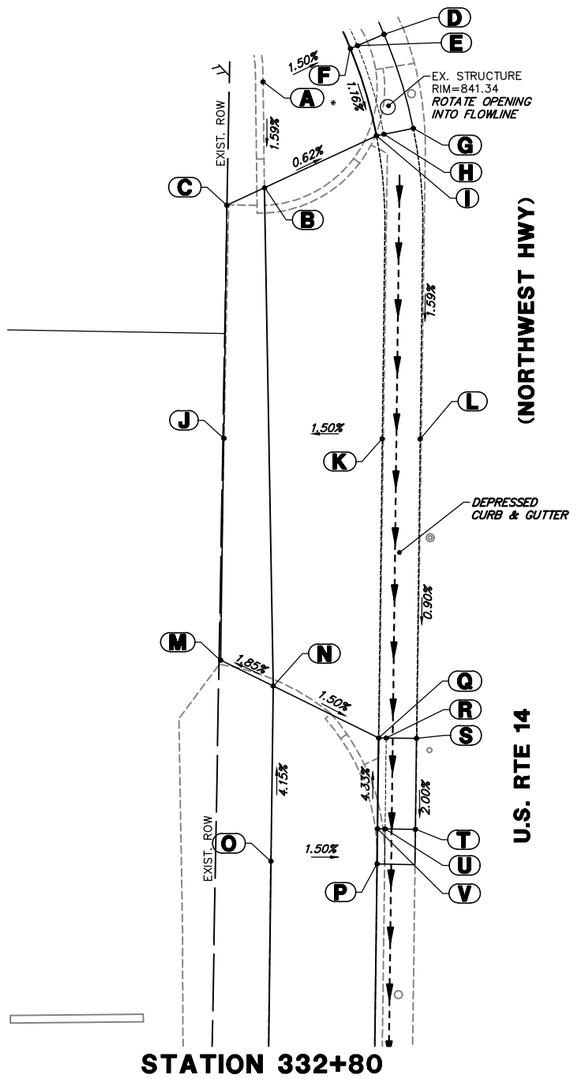
FILE NAME = 4425.200-pr5.dwg	USER NAME = MARK COBB	DESIGNED - KLB	REVISED -	
		DRAWN - GW3	REVISED -	
	PLOT SCALE = 1" = .1667'	CHECKED - KLB	REVISED -	
	PLOT DATE = 10/12/2020 3:55 PM	DATE - 10/12/2020	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIDEWALK A.D.A. RAMP DETAILS
U.S. RTE 14 (NORTHWEST HWY) AT METRA ACCESS
VILLAGE OF BARRINGTON, ILLINOIS

SCALE: 1"=5' | SHEET NO. 1 OF 1 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	12-00089-00-PK	COOK	90	39
		CONTRACT #:	61E91	
		ILLINOIS FED. AID PROJECT		

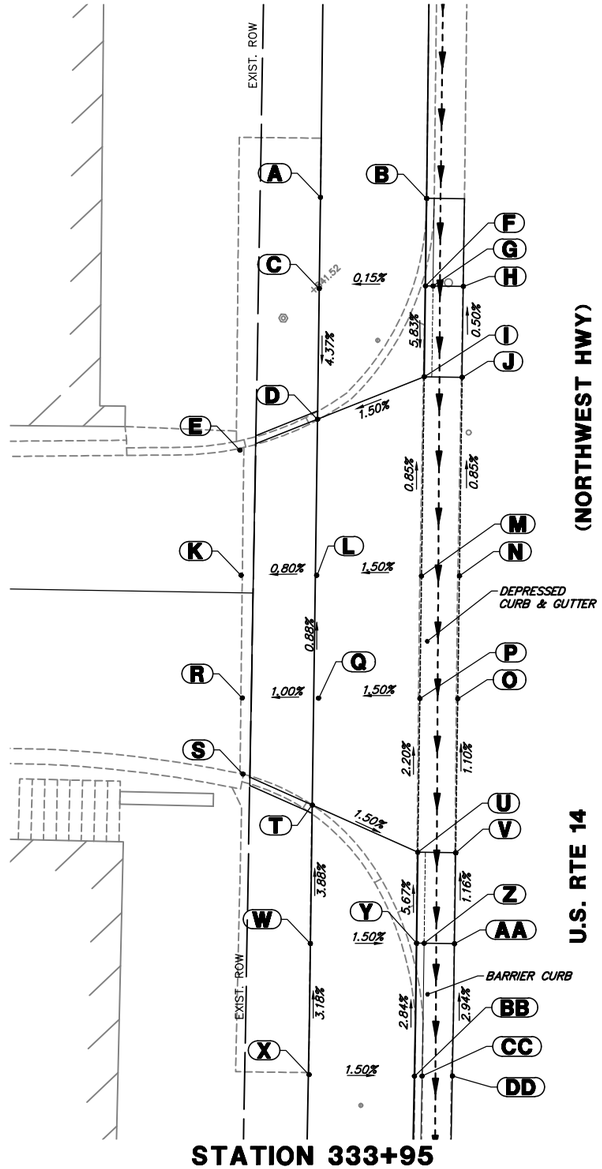


STATION 332+80

ADA GRADING TABLE			
	STATION	OFFSET	ELEVATION
A	332+56.5	38.4' R	841.73
B	332+63.5	38.3' R	841.62
C	332+64.6	40.8' R	841.32
D	332+53.3	30.4' R	841.68
E	332+54.1	32.2' R	841.58
F	332+54.3	32.7' R	841.64
G	332+59.5	28.5' R	841.57
H	332+59.9	30.4' R	841.45
I	332+60	30.9' R	841.57
J	332+80	40.9' R	841.13
K	332+80	30.5' R	841.23
L	332+80	28.0' R	841.23
M	332+94.6	41.1' R	841.04
N	332+96.3	37.6' R	841.11
O	333+07.9	37.7' R	841.50
P	333+08	30.7' R	841.40
Q	332+99.7	30.6' R	841.05
R	332+99.7	30.1' R	840.93
S	332+99.8	28.1' R	841.05
T	333+05.8	28.2' R	840.93
U	333+05.7	30.2' R	840.81
V	333+05.7	30.7' R	841.40

GRAPHIC SCALE
5 0 2.5 5
(IN FEET)
1 inch = 5 ft.

N



STATION 333+95

ADA GRADING TABLE			
	STATION	OFFSET	ELEVATION
A	333+67	38.2' R	841.35
B	333+67	31.2' R	841.35
C	333+73	38.3' R	841.35
D	333+81.6	38.4' R	841.00
E	333+83.7	43.5' R	840.97
F	333+72.8	31.3' R	841.42
G	333+72.8	30.8' R	840.92
H	333+72.8	28.8' R	841.04
I	333+78.8	31.3' R	841.07
J	333+78.8	28.8' R	841.07
K	333+91.9	43.4' R	841.05
L	333+91.9	38.4' R	841.09
M	333+91.9	31.5' R	841.18
N	333+91.9	29.0' R	841.18
O	334+00	29.1' R	841.26
P	334+00	31.6' R	841.26
Q	334+00	38.2' R	841.16
R	334+00	43.3' R	841.11
S	334+05	43.2' R	841.15
T	334+07.1	38.6' R	841.58
U	334+10.1	31.7' R	841.48
V	334+10.2	29.2' R	841.37
W	334+16.2	38.7' R	841.91
X	334+24.8	38.8' R	842.18
Y	334+16.1	31.7' R	841.82
Z	334+16.1	31.2' R	841.32

ADA GRADING TABLE			
	STATION	OFFSET	ELEVATION
AA	334+16.2	29.2' R	841.44
BB	334+24.9	31.8' R	842.07
CC	334+24.9	31.3' R	841.57
DD	334+24.9	29.3' R	841.69

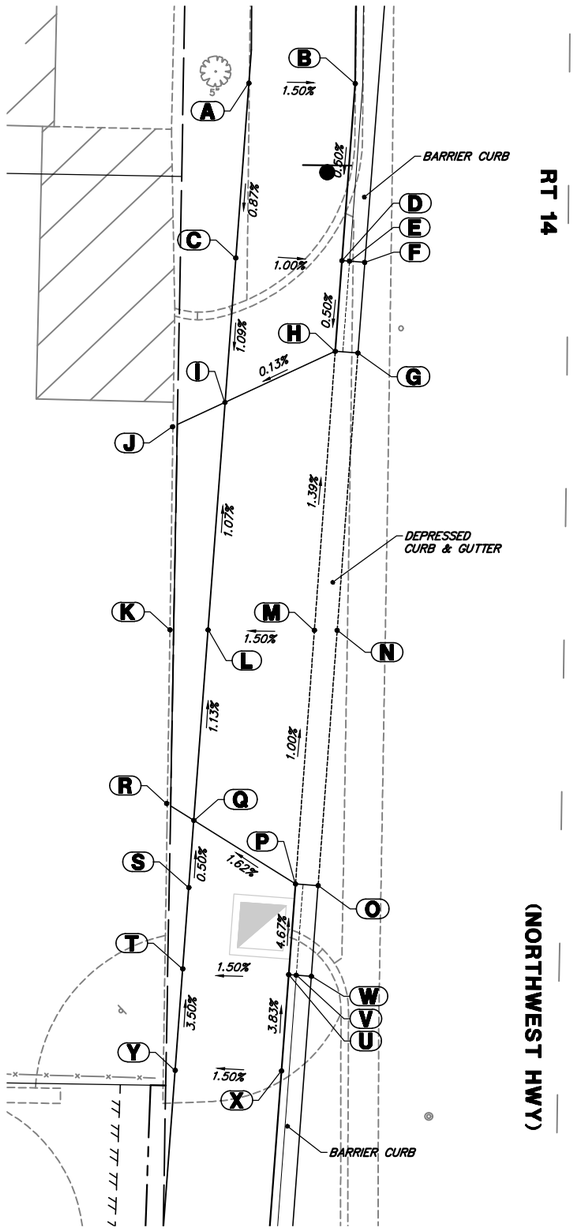
FILE NAME = 4425.200-pr5.dwg	USER NAME = MARK COBB	DESIGNED - KLB	REVISED -
		DRAWN - GW3	REVISED -
	PLOT SCALE = 1" = .1667'	CHECKED - KLB	REVISED -
	PLOT DATE = 10/12/2020 3:56 PM	DATE - 10/12/2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIDEWALK A.D.A. RAMP DETAILS
U.S. RTE 14 (NORTHWEST HWY) AT METRA ACCESS
VILLAGE OF BARRINGTON, ILLINOIS

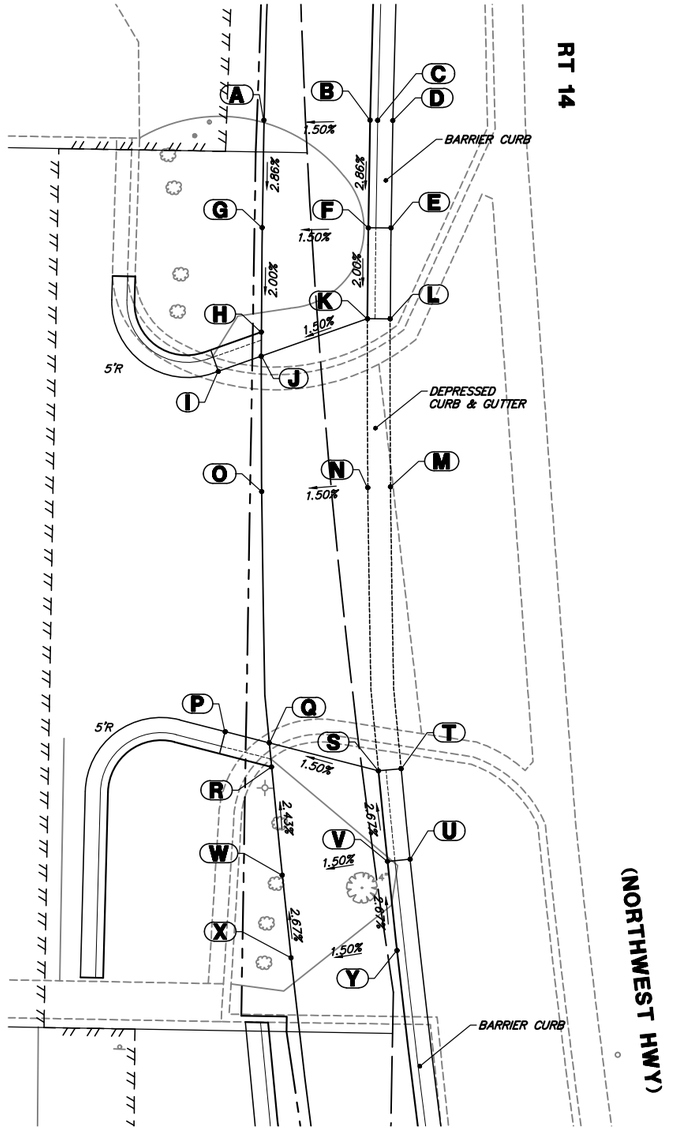
SCALE: 1"=5' | SHEET NO. 1 OF 1 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	12-00089-00-PK	COOK	90	40
		CONTRACT #:	61E91	
		ILLINOIS FED. AID PROJECT		



ADA GRADING TABLE			
	STATION	OFFSET	ELEVATION
A	334+46.9	39.0' R	842.38
B	334+46.9	32.0' R	842.28
C	334+58.5	39.8' R	842.29
D	334+58.6	32.8' R	842.22
E	334+58.6	32.3' R	841.92
F	334+58.7	31.3' R	841.98
G	334+64.7	31.8' R	842.08
H	334+64.6	33.3' R	842.15
I	334+68	40.5' R	842.14
J	334+69.6	44.0' R	842.13
K	334+83	44.1' R	842.28
L	334+83	41.6' R	842.30
M	334+83	34.6' R	842.40
N	334+83	33.1' R	842.34
O	334+99.8	34.3' R	842.50
P	334+99.7	35.8' R	842.57
Q	334+95.6	42.5' R	842.44
R	334+94.5	44.3' R	842.43
S	335+00	42.8' R	842.46
T	335+05.4	43.2' R	842.75
U	335+05.7	36.2' R	842.85
V	335+05.8	35.7' R	842.51
W	335+05.8	34.7' R	842.57
X	335+12.1	36.6' R	843.08
Y	335+12.1	43.7' R	842.98

STATION 334+83



ADA GRADING TABLE			
	STATION	OFFSET	ELEVATION
A	335+68.9	47.5' R	843.59
B	335+69.1	40.5' R	843.69
C	335+69.2	40.0' R	843.19
D	335+69.2	39.0' R	843.25
E	335+75.9	39.4' R	843.28
F	335+75.9	40.9' R	843.49
G	335+75.5	47.9' R	843.39
H	335+82	48.3' R	843.26
I	335+84.2	51.3' R	843.18
J	335+83.5	48.4' R	843.27
K	335+81.5	41.3' R	843.37
L	335+81.6	39.8' R	843.31
M	335+92.1	40.5' R	843.35
N	335+92	42.0' R	843.41
O	335+91.8	49.0' R	843.31
P	336+06.4	52.7' R	843.20
Q	336+07.4	49.9' R	843.29
R	336+08.8	49.9' R	843.28
S	336+09.7	42.9' R	843.39
T	336+09.7	41.4' R	843.33
U	336+15.4	41.4' R	843.31
V	336+15.4	42.9' R	843.55
W	336+15.6	49.9' R	843.45
X	336+20.7	49.9' R	843.61
Y	336+21	42.9' R	843.71

STATION 336+00

GRAPHIC SCALE
5 0 2.5 5
(IN FEET)
1 inch = 5 ft.

N

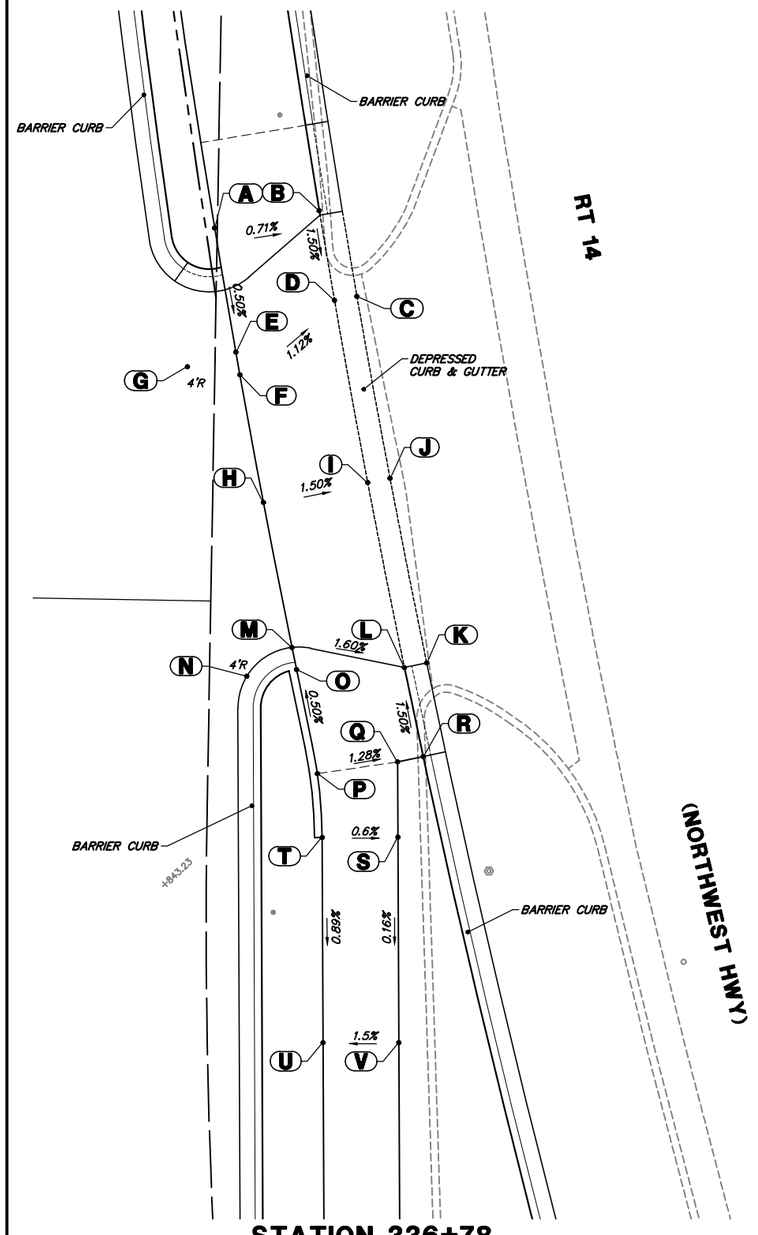
FILE NAME = 4425.200-pr5.dwg	USER NAME = MARK COBB	DESIGNED - KLB	REVISED -
		DRAWN - GW3	REVISED -
	PLOT SCALE = 1" = .1667'	CHECKED - KLB	REVISED -
	PLOT DATE = 10/12/2020 3:57 PM	DATE - 10/12/2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIDEWALK A.D.A. RAMP DETAILS
U.S. RTE 14 (NORTHWEST HWY) AT METRA ACCESS
VILLAGE OF BARRINGTON, ILLINOIS

SCALE: 1"=5' | SHEET NO. 1 OF 1 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	12-00089-00-PK	COOK	90	41
		CONTRACT #:	61E91	
		ILLINOIS FED. AID PROJECT		

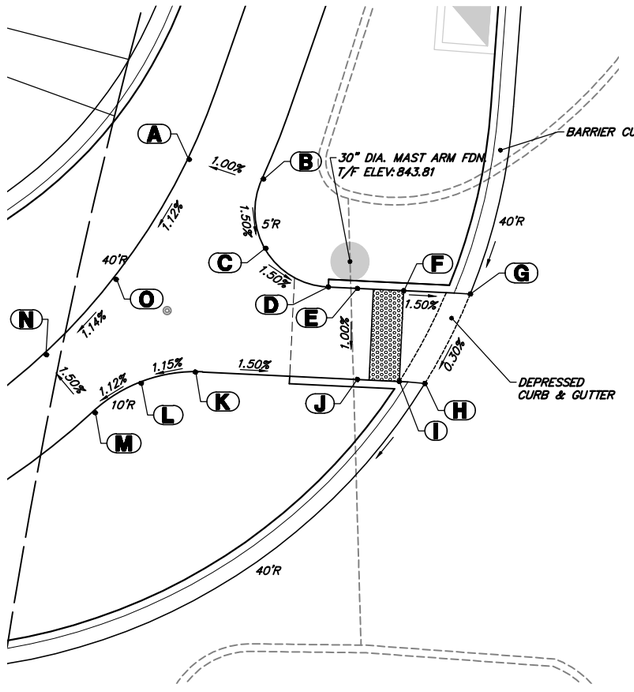


STATION 336+78

GRAPHIC SCALE
5 0 2.5 5
(IN FEET)
1 inch = 5 ft.

N

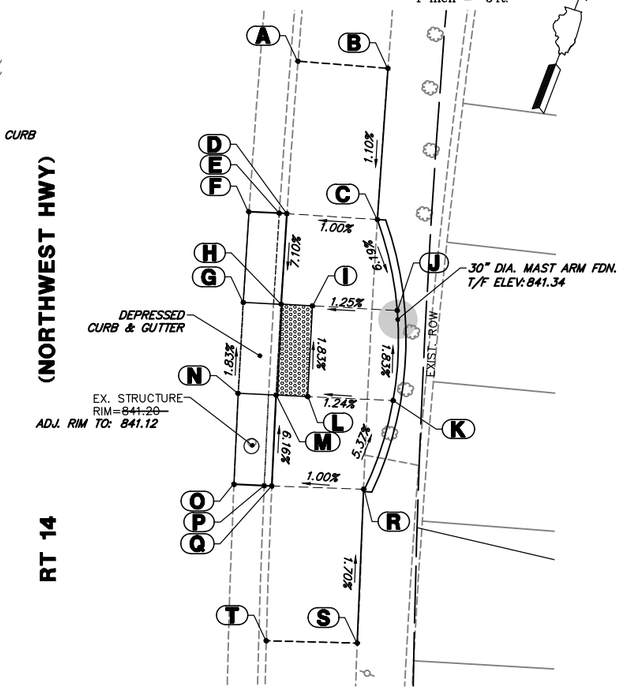
ADA GRADING TABLE			
	STATION	OFFSET	ELEVATION
A	336+60.8	49.9' R	843.43
B	336+60.8	42.9' R	843.38
C	336+66.5	41.4' R	843.26
D	336+66.4	42.9' R	843.29
E	336+68.6	49.9' R	843.39
F	336+70	49.9' R	843.38
G	336+68.9	53.2' R	843.25
H	336+78	49.9' R	843.38
I	336+78	42.9' R	843.27
J	336+78	41.4' R	843.21
K	336+89.8	41.4' R	843.20
L	336+89.8	42.9' R	843.26
M	336+87.1	49.9' R	843.38
N	336+88.3	53.2' R	843.26
O	336+88.5	49.9' R	843.39
P	336+95.1	50.0' R	843.42
Q	336+95.4	44.7' R	843.36
R	336+95.4	42.9' R	843.33
S	337+00	45.7' R	843.35
T	336+99	50.6' R	843.38
U	337+11.3	53.5' R	843.26
V	337+12.4	48.7' R	843.33



STATION 337+54

GRAPHIC SCALE
5 0 2.5 5
(IN FEET)
1 inch = 5 ft.

N



ADA GRADING TABLE			
	STATION	OFFSET	ELEVATION
A	337+43.4	62.6' R	843.35
B	337+44.3	57.6' R	843.40
C	337+48.5	57.2' R	843.33
D	337+50.7	53.0' R	843.25
E	337+50.7	51.0' R	843.22
F	337+50.7	48.0' R	843.18
G	337+50.6	43.6' R	843.11
H	337+56.3	46.3' R	843.09
I	337+56.3	48.0' R	843.11
J	337+56.3	50.7' R	843.16
K	337+56.3	61.4' R	843.32
L	337+57.1	65.0' R	843.28
M	337+59	67.9' R	843.24
N	337+55.6	71.3' R	843.17
O	337+50.9	67.0' R	843.25

ADA GRADING TABLE			
	STATION	OFFSET	ELEVATION
A	337+33.5	−33.2' L	841.58
B	337+33.6	−39.1' L	841.75
C	337+44.1	−39.1' L	841.64
D	337+44.1	−33.1' L	841.58
E	337+44.1	−32.6' L	841.08
F	337+44.1	−30.6' L	841.20
G	337+50.4	−30.6' L	841.22
H	337+50.4	−33.1' L	841.16
I	337+50.4	−35.1' L	841.19
J	337+50.4	−40.8' L	841.26
K	337+56.7	−40.8' L	841.37
L	337+56.7	−35.1' L	841.30
M	337+56.6	−33.0' L	841.27
N	337+56.6	−30.5' L	841.33
O	337+62.9	−30.5' L	841.26
P	337+62.9	−32.5' L	841.14
Q	337+62.9	−33.0' L	841.64
R	337+62.9	−39.1' L	841.70
S	337+73.7	−38.9' L	841.87
T	337+73.6	−32.9' L	841.70

FILE NAME = 4425.200-pr5.dwg

USER NAME = MARK COBB
PLOT SCALE = 1" = .1667'
PLOT DATE = 10/12/2020 3:58 PM

DESIGNED - KLB
DRAWN - GW3
CHECKED - KLB
DATE - 10/12/2020

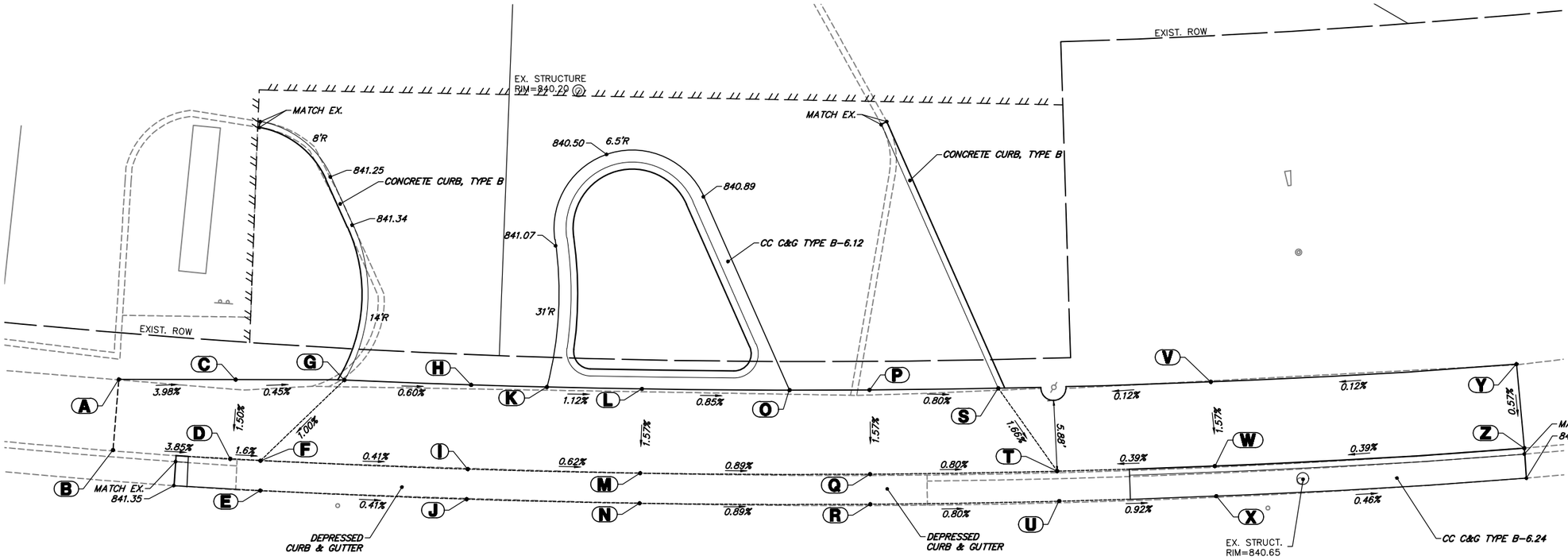
REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIDEWALK A.D.A. RAMP DETAILS
U.S. RTE 14 (NORTHWEST HWY) AT METRA ACCESS
VILLAGE OF BARRINGTON, ILLINOIS

SCALE: 1"=5' | SHEET NO. 1 OF 1 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	12-00089-00-PK	COOK	90	42
		CONTRACT #:	61E91	
		ILLINOIS FED. AID PROJECT		



(NORTHWEST HWY)

RT 14

STATION 339+00

ADA GRADING TABLE			
	STATION	OFFSET	ELEVATION
A	338+54.1	−38.8' L	841.84
B	338+54.1	−32.9' L	841.73
C	338+64.3	−39.5' L	841.45
D	338+64.3	−32.9' L	841.36
E	338+67.1	−30.4' L	841.32
F	338+67	−32.9' L	841.32
G	338+73.8	−40.0' L	841.41
H	338+85	−40.1' L	841.35
I	338+85	−33.1' L	841.25
J	338+85	−30.6' L	841.24
K	338+91.6	−40.2' L	841.36
L	339+00	−40.2' L	841.27
M	339+00	−33.2' L	841.16
N	339+00	−30.7' L	841.16
O	339+13	−40.3' L	841.17
P	339+20	−40.3' L	841.10
Q	339+20	−33.3' L	840.99
R	339+20	−30.8' L	840.99
S	339+31.3	−40.3' L	841.01
T	339+36.3	−33.3' L	840.87
U	339+36.4	−30.8' L	840.87
V	339+50	−40.2' L	841.03
W	339+50	−33.2' L	840.92
X	339+50	−30.7' L	840.75
Y	339+76.9	−40.0' L	841.06
Z	339+77	−33.0' L	841.02

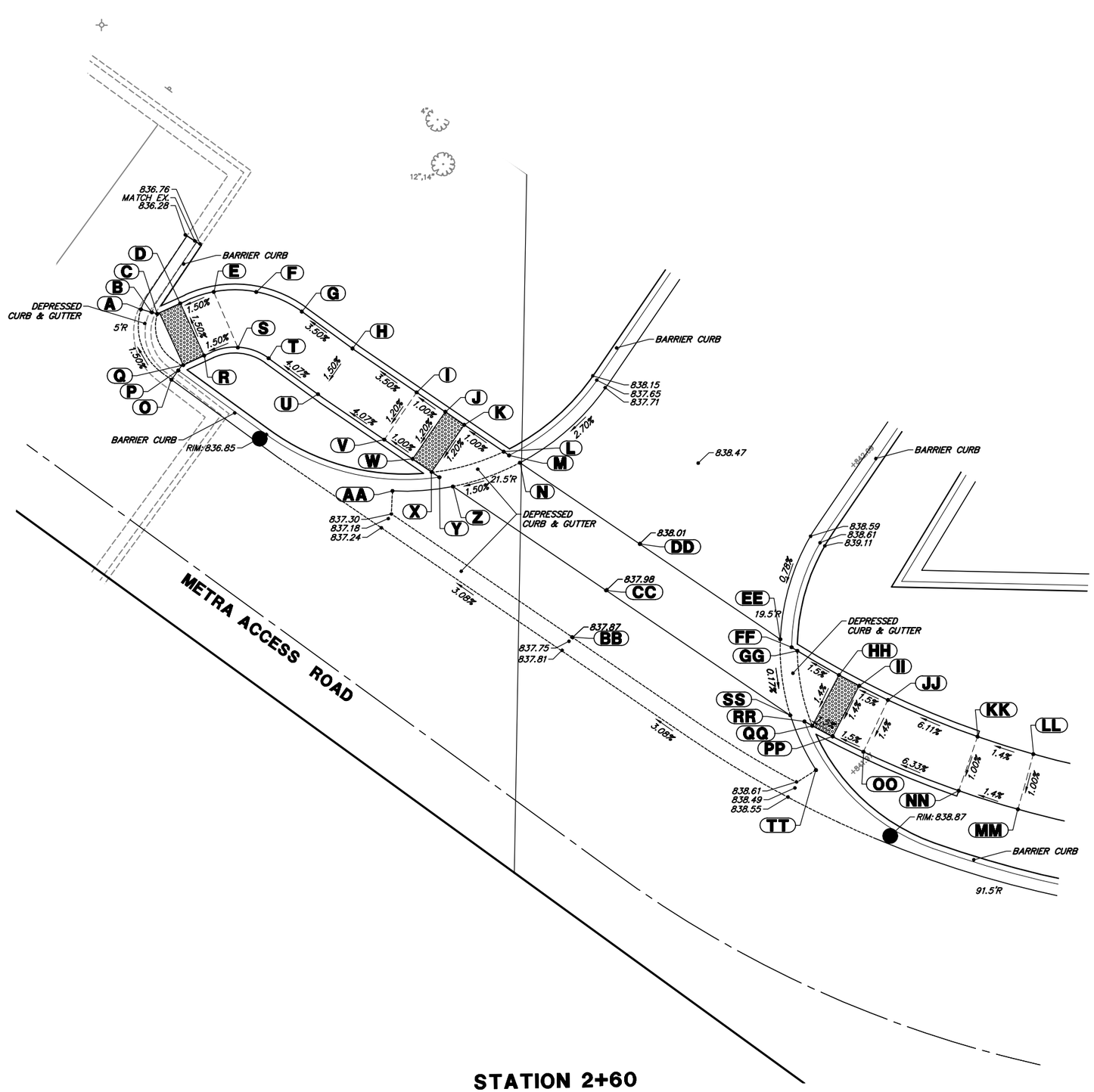
FILE NAME = 4425.200-pr5.dwg	USER NAME = MARK COBB	DESIGNED - KLB	REVISED -
		DRAWN - GW3	REVISED -
	PLOT SCALE = 1" = .1667'	CHECKED - KLB	REVISED -
	PLOT DATE = 10/12/2020 3:58 PM	DATE - 10/12/2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIDEWALK A.D.A. RAMP DETAILS
U.S. RTE 14 (NORTHWEST HWY) AT METRA ACCESS
VILLAGE OF BARRINGTON, ILLINOIS

SCALE 1"=5' | SHEET NO. 1 OF 1 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	12-00089-00-PK	COOK	90	43
		CONTRACT #: 61E91		
		ILLINOIS FED. AID PROJECT		

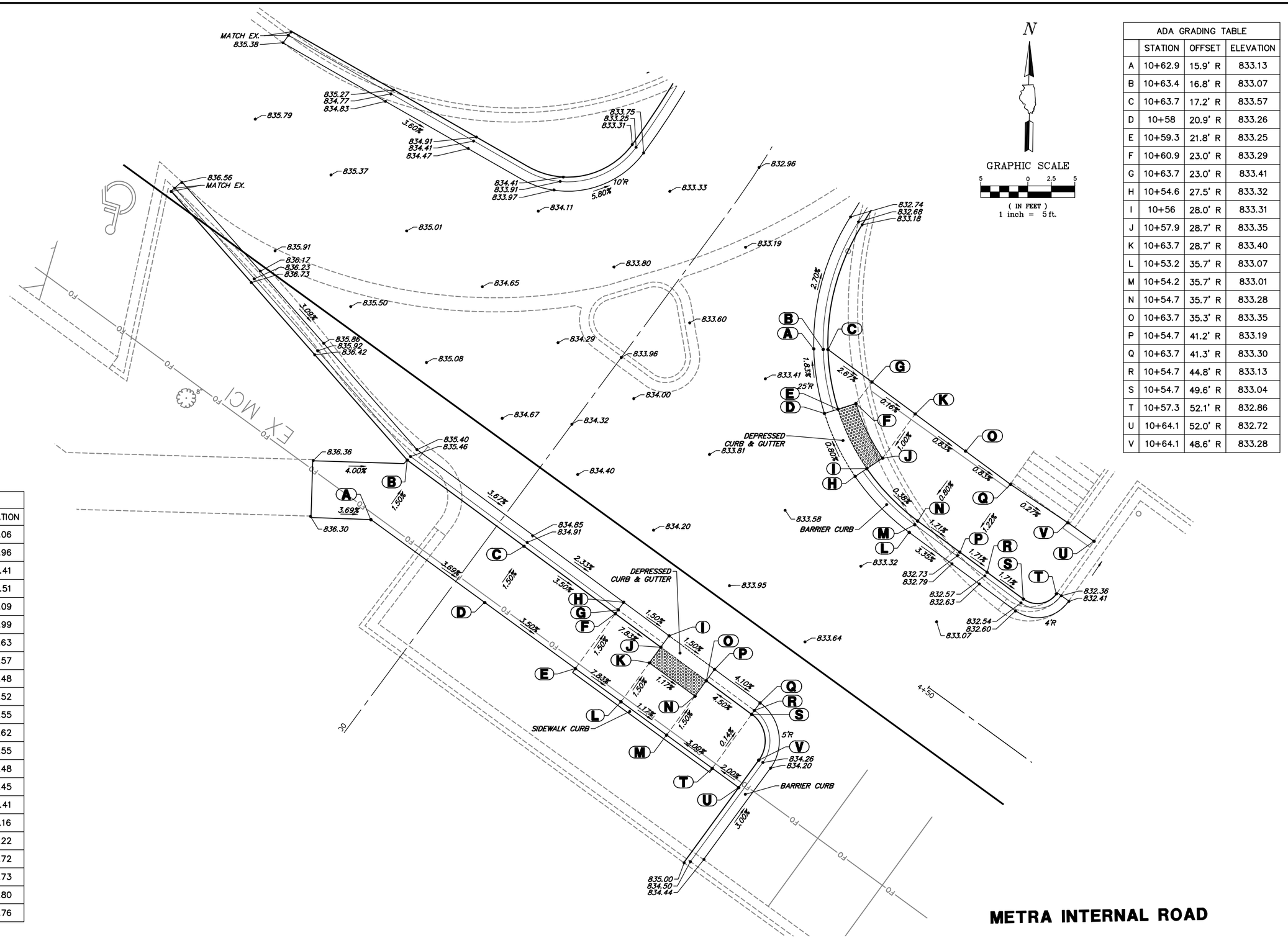


ADA GRADING TABLE			
	STATION	OFFSET	ELEVATION
A	3+07.2	15.4' R	836.59
B	3+06.3	15.7' R	836.54
C	3+05.8	15.9' R	836.58
D	3+04.8	17.8' R	836.61
E	3+03	20.4' R	836.65
F	3+00	22.5' R	836.79
G	2+95.8	23.5' R	836.93
H	2+90.3	23.5' R	837.12
I	2+83.5	23.7' R	837.35
J	2+80.5	23.8' R	837.38
K	2+78.5	23.9' R	837.40
L	2+74.3	24.0' R	837.43
M	2+73.8	24.0' R	837.39
N	2+72.6	24.0' R	837.44
O	3+01.5	12.0' R	836.69
P	3+01.5	13.0' R	836.64
Q	3+01.4	13.6' R	836.68
R	3+00.4	15.4' R	836.68
S	2+98.4	17.7' R	836.72
T	2+95.7	18.5' R	836.80
U	2+90.4	18.5' R	837.00
V	2+83.4	18.7' R	837.29
W	2+80.4	18.8' R	837.32
X	2+78.4	18.9' R	837.34
Y	2+77.6	18.9' R	837.30
Z	2+76.1	18.9' R	837.35

ADA GRADING TABLE			
	STATION	OFFSET	ELEVATION
AA	2+80.2	15.5' R	837.32
BB	2+60	14.4' R	837.87
CC	2+60	19.5' R	837.98
DD	2+60	24.5' R	838.01
EE	2+45.2	25.0' R	838.63
FF	2+43.7	25.0' R	838.65
GG	2+42.9	25.0' R	838.69
HH	2+37.3	25.2' R	838.75
II	2+34.6	25.4' R	838.78
JJ	2+30.9	25.5' R	838.82
KK	2+19.5	25.9' R	839.37
LL	2+12.7	26.1' R	839.44
MM	2+12.4	21.1' R	839.39
NN	2+19.3	20.9' R	839.32
OO	2+30.6	20.5' R	838.75
PP	2+34.4	20.4' R	838.71
QQ	2+36.9	20.2' R	838.68
RR	2+37.9	20.2' R	838.64
SS	2+39.5	20.0' R	838.62
TT	2+34.1	17.1' R	838.62

FILE NAME = 4425.200-pr5.dwg	USER NAME = MARK COBB	DESIGNED - KLB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SIDEWALK A.D.A. RAMP DETAILS U.S. RTE 14 (NORTHWEST HWY) AT METRA ACCESS VILLAGE OF BARRINGTON, ILLINOIS
		DRAWN - GW3	REVISED -		
	PLOT SCALE = 1" = .1667'	CHECKED - KLB	REVISED -		SCALE: 1"=5' SHEET NO. 1 OF 1 SHEETS STA. TO STA.
	PLOT DATE = 10/12/2020 3:58 PM	DATE - 10/12/2020	REVISED -		

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	12-00089-00-PK	COOK	90	44
		CONTRACT #:	61E91	
	ILLINOIS FED. AID PROJECT			



ADA GRADING TABLE			
	STATION	OFFSET	ELEVATION
A	10+62.9	15.9' R	833.13
B	10+63.4	16.8' R	833.07
C	10+63.7	17.2' R	833.57
D	10+58	20.9' R	833.26
E	10+59.3	21.8' R	833.25
F	10+60.9	23.0' R	833.29
G	10+63.7	23.0' R	833.41
H	10+54.6	27.5' R	833.32
I	10+56	28.0' R	833.31
J	10+57.9	28.7' R	833.35
K	10+63.7	28.7' R	833.40
L	10+53.2	35.7' R	833.07
M	10+54.2	35.7' R	833.01
N	10+54.7	35.7' R	833.28
O	10+63.7	35.3' R	833.35
P	10+54.7	41.2' R	833.19
Q	10+63.7	41.3' R	833.30
R	10+54.7	44.8' R	833.13
S	10+54.7	49.6' R	833.04
T	10+57.3	52.1' R	832.86
U	10+64.1	52.0' R	832.72
V	10+64.1	48.6' R	833.28

N

GRAPHIC SCALE

5 0 2.5 5

(IN FEET)
1 inch = 5 ft.

ADA GRADING TABLE			
	STATION	OFFSET	ELEVATION
A	10+20.3	−11.2' L	836.06
B	10+27.7	−11.8' L	835.96
C	10+27.7	3.6' R	835.41
D	10+20.4	3.8' R	835.51
E	10+20.5	15.7' R	835.09
F	10+27.7	15.7' R	834.99
G	10+28.2	15.7' R	834.63
H	10+29.2	15.7' R	834.57
I	10+29.2	21.7' R	834.48
J	10+27.7	21.7' R	834.52
K	10+25.7	21.7' R	834.55
L	10+20.5	21.7' R	834.62
M	10+20.6	27.7' R	834.55
N	10+25.7	27.7' R	834.48
O	10+27.7	27.7' R	834.45
P	10+29.2	27.7' R	834.41
Q	10+29.2	33.7' R	834.16
R	10+28.2	33.7' R	834.22
S	10+27.7	33.7' R	834.72
T	10+20.6	33.7' R	834.73
U	10+20.6	37.2' R	834.80
V	10+24.2	37.2' R	834.76

METRA INTERNAL ROAD

FILE NAME = 4425.200-pr5.dwg

USER NAME = MARK COBB

PLOT SCALE = 1" = .1667'

PLOT DATE = 10/12/2020 3:59 PM

DESIGNED - KLB

DRAWN - GW3

CHECKED - KLB

DATE - 10/12/2020

REVISED -

REVISED -

REVISED -

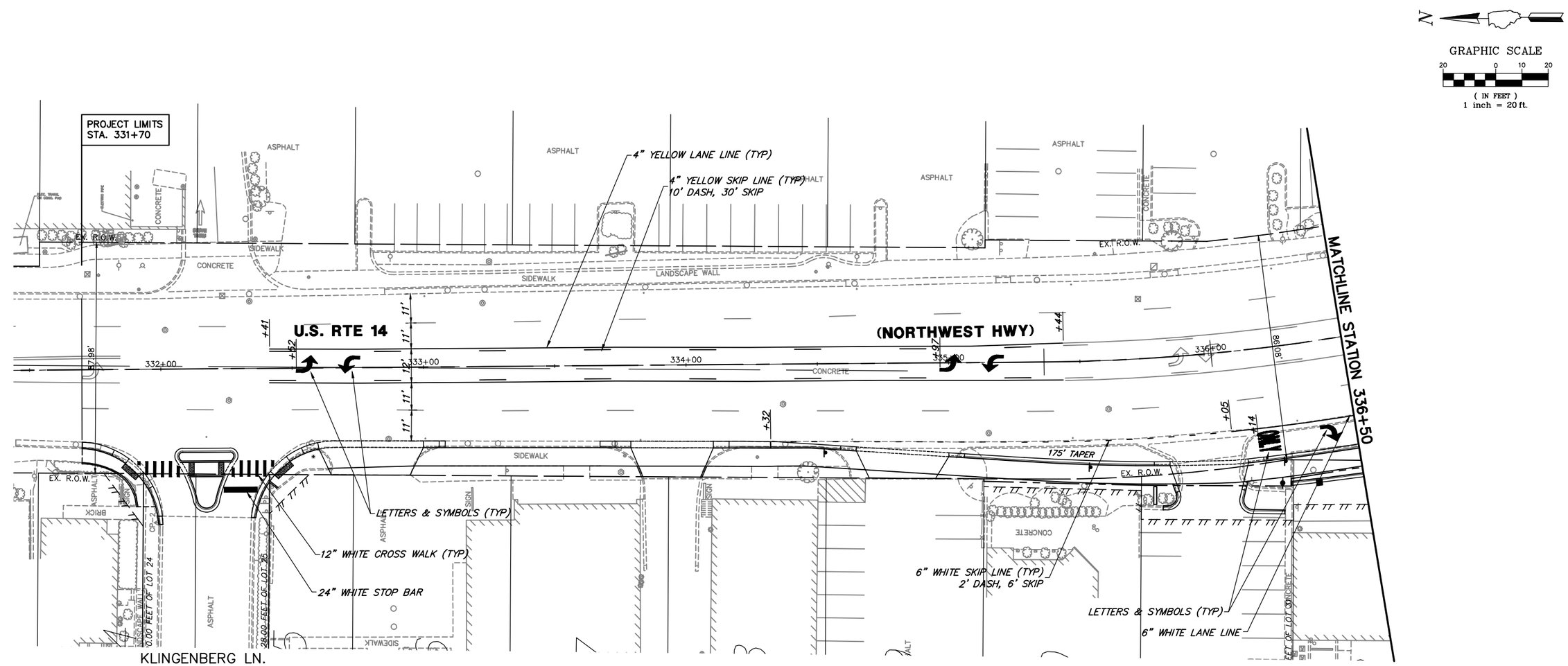
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIDEWALK A.D.A. RAMP DETAILS
U.S. RTE 14 (NORTHWEST HWY) AT METRA ACCESS
VILLAGE OF BARRINGTON, ILLINOIS

SCALE: 1"=5' | SHEET NO. 1 OF 1 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	12-00089-00-PK	COOK	90	45
		CONTRACT #:	61E91	
		ILLINOIS FED. AID PROJECT		



NOTES:

MODIFIED URETHANE PAVEMENT MARKINGS SHALL BE USED ON CONCRETE PAVEMENT.

THERMOPLASTIC PAVEMENT MARKINGS SHALL BE USED ON HMA PAVEMENT.

PAVEMENT MARKING TAPE TYPE III SHALL BE USED FOR ANY TEMPORARY MARKINGS ON FINAL PAVEMENT.

FILE NAME = 4425.200-pr5.dwg	USER NAME = MARK COBB	DESIGNED - KLB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT MARKING PLANS U.S. RTE 14 (NORTHWEST HWY) AT METRA ACCESS VILLAGE OF BARRINGTON, ILLINOIS
		DRAWN - GW3	REVISED -		
	PLOT SCALE = 1" = .1667'	CHECKED - KLB	REVISED -		SCALE 1"=20' | SHEET NO. 1 OF 4 SHEETS | STA. 331+50 TO STA. 336+50
	PLOT DATE = 10/12/2020 3:59 PM	DATE - 10/12/2020	REVISED -		

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	12-00089-00-PK	COOK	90	46
		CONTRACT #: 61E91		
		ILLINOIS FED. AID PROJECT		

GRAPHIC SCALE
20 0 10 20
(IN FEET)
1 inch = 20 ft.

N

PROJECT LIMITS
STA. 342+62

MATCHLINE STATION 336+50

U.S. RTE 14

(NORTHWEST HWY)

6" WHITE LANE LINE
4" YELLOW LINE
12" YELLOW DIAGONAL
10' C-C SPACING
4" DOUBLE YELLOW
12" WHITE CROSS WALK (TYP)
24" WHITE STOP BAR (TYP)
6" WHITE LANE LINE
6" WHITE SKIP LINE (TYP)
2' DASH, 6' SKIP
12" YELLOW DIAGONAL
25' C-C SPACING
5 MINIMUM
4" YELLOW LINE
4" DOUBLE YELLOW
LETTERS & SYMBOLS (TYP)

EX. R.O.W.
SIDEWALK
ASPHALT
CONCRETE
CONC.
SIGN
CURB
GRAVEL
LANDSCAPE

145' STORAGE
175' TAPER
ONLY
40'R
35'R
124.59'
92.56'
8'

337+00
338+00
339+00
340+00
341+00
342+00

+14
+46
+26
+60
+74
+45
+51
+80

FOR CONTINUATION
(SEE SHEET 48)

NOTES:

MODIFIED URETHANE PAVEMENT MARKINGS SHALL BE USED ON CONCRETE PAVEMENT.

THERMOPLASTIC PAVEMENT MARKINGS SHALL BE USED ON HMA PAVEMENT.

PAVEMENT MARKING TAPE TYPE III SHALL BE USED FOR ANY TEMPORARY MARKINGS ON FINAL PAVEMENT.

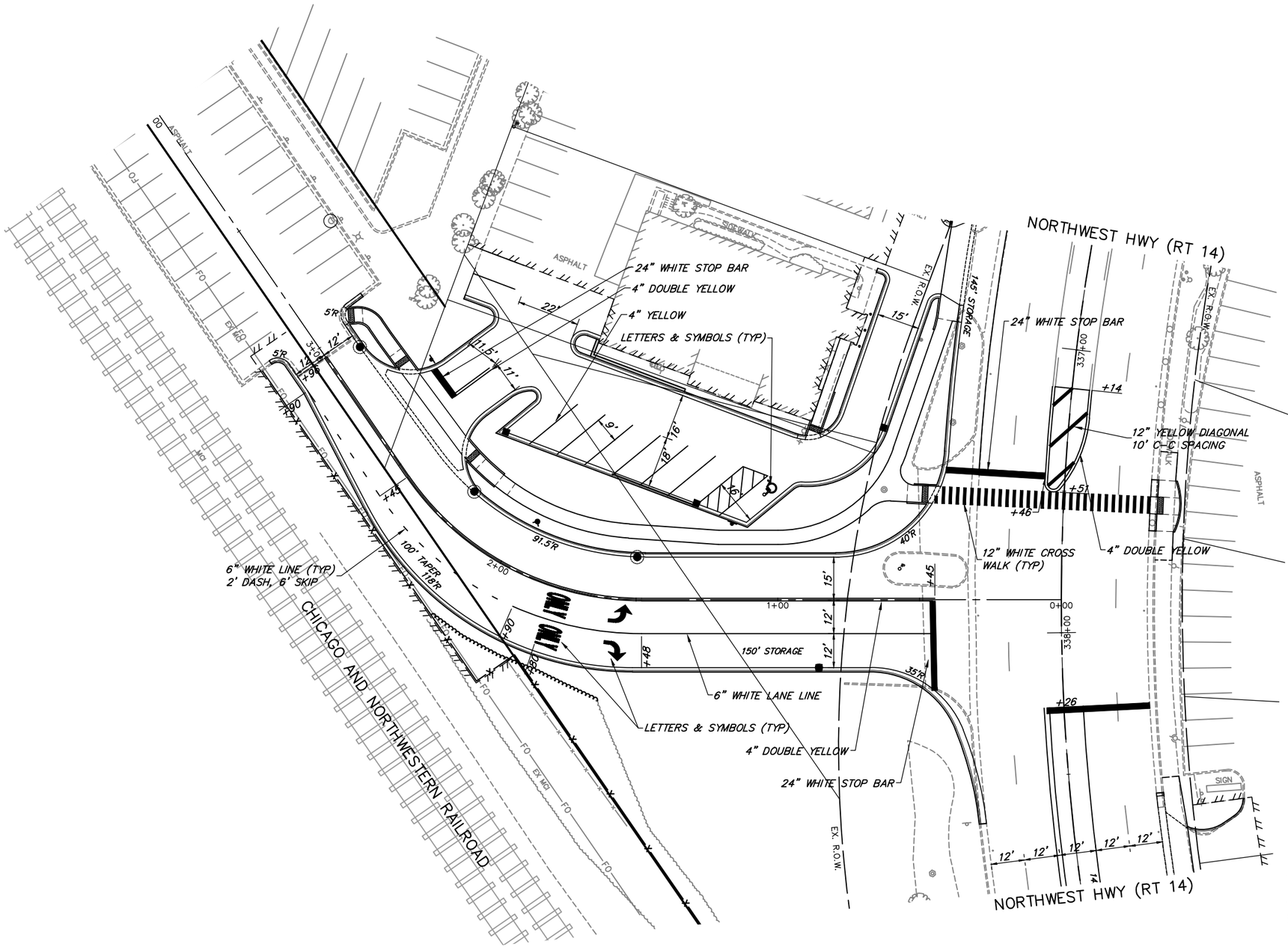
FILE NAME = 4425.200-pr5.dwg	USER NAME = MARK COBB	DESIGNED - KLB	REVISED -
		DRAWN - GW3	REVISED -
	PLOT SCALE = 1" = .1667'	CHECKED - KLB	REVISED -
	PLOT DATE = 10/12/2020 4:00 PM	DATE - 10/12/2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING PLANS
U.S. RTE 14 (NORTHWEST HWY) AT METRA ACCESS
VILLAGE OF BARRINGTON, ILLINOIS

SCALE 1"=20' | SHEET NO. 2 OF 4 SHEETS | STA. 336+50 TO STA. 342+62

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	12-00089-00-PK	COOK	90	47
		CONTRACT #:	61E91	
		ILLINOIS FED. AID PROJECT		



N

GRAPHIC SCALE

20 0 10 20

(IN FEET)
1 inch = 20 ft.

NOTES:

MODIFIED URETHANE PAVEMENT MARKINGS SHALL BE USED ON CONCRETE PAVEMENT.

THERMOPLASTIC PAVEMENT MARKINGS SHALL BE USED ON HMA PAVEMENT.

PAVEMENT MARKING TAPE TYPE III SHALL BE USED FOR ANY TEMPORARY MARKINGS ON FINAL PAVEMENT.

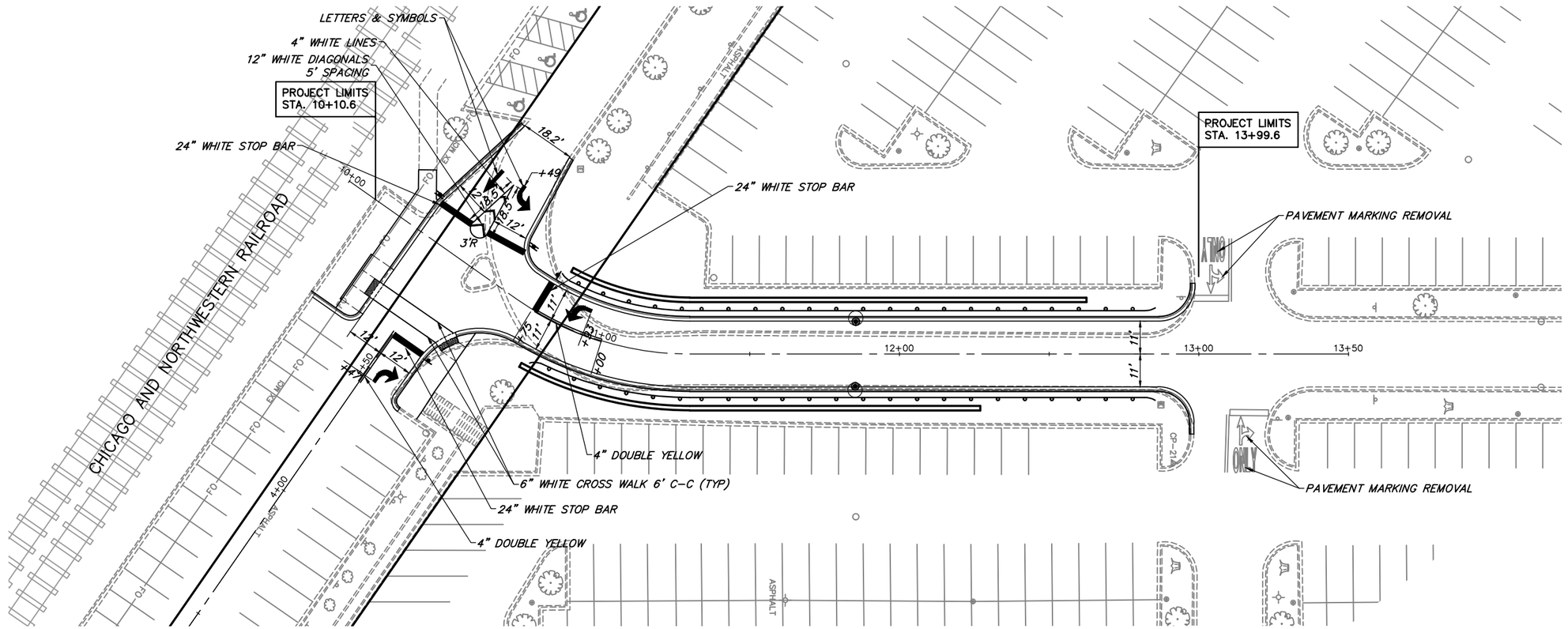
FILE NAME = 4425.200-pr5.dwg	USER NAME = MARK COBB	DESIGNED - KLB	REVISED -
		DRAWN - GW3	REVISED -
	PLOT SCALE = 1" = .1667'	CHECKED - KLB	REVISED -
	PLOT DATE = 10/12/2020 4:00 PM	DATE - 10/12/2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING PLANS
NORTHWEST HWY (U.S. RTE 14) AT METRA ACCESS
VILLAGE OF BARRINGTON, ILLINOIS

SCALE: 1"=20' | SHEET NO. 3 OF 4 SHEETS | STA. 0+00 | TO STA. 3+50

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	12-00089-00-PK	COOK	90	48
		CONTRACT #:	61E91	
		ILLINOIS FED. AID PROJECT		



N

GRAPHIC SCALE

20 0 10 20

(IN FEET)
1 inch = 20 ft.

NOTES:

MODIFIED URETHANE PAVEMENT MARKINGS SHALL BE USED ON CONCRETE PAVEMENT.

THERMOPLASTIC PAVEMENT MARKINGS SHALL BE USED ON HMA PAVEMENT.

PAVEMENT MARKING TAPE TYPE III SHALL BE USED FOR ANY TEMPORARY MARKINGS ON FINAL PAVEMENT.

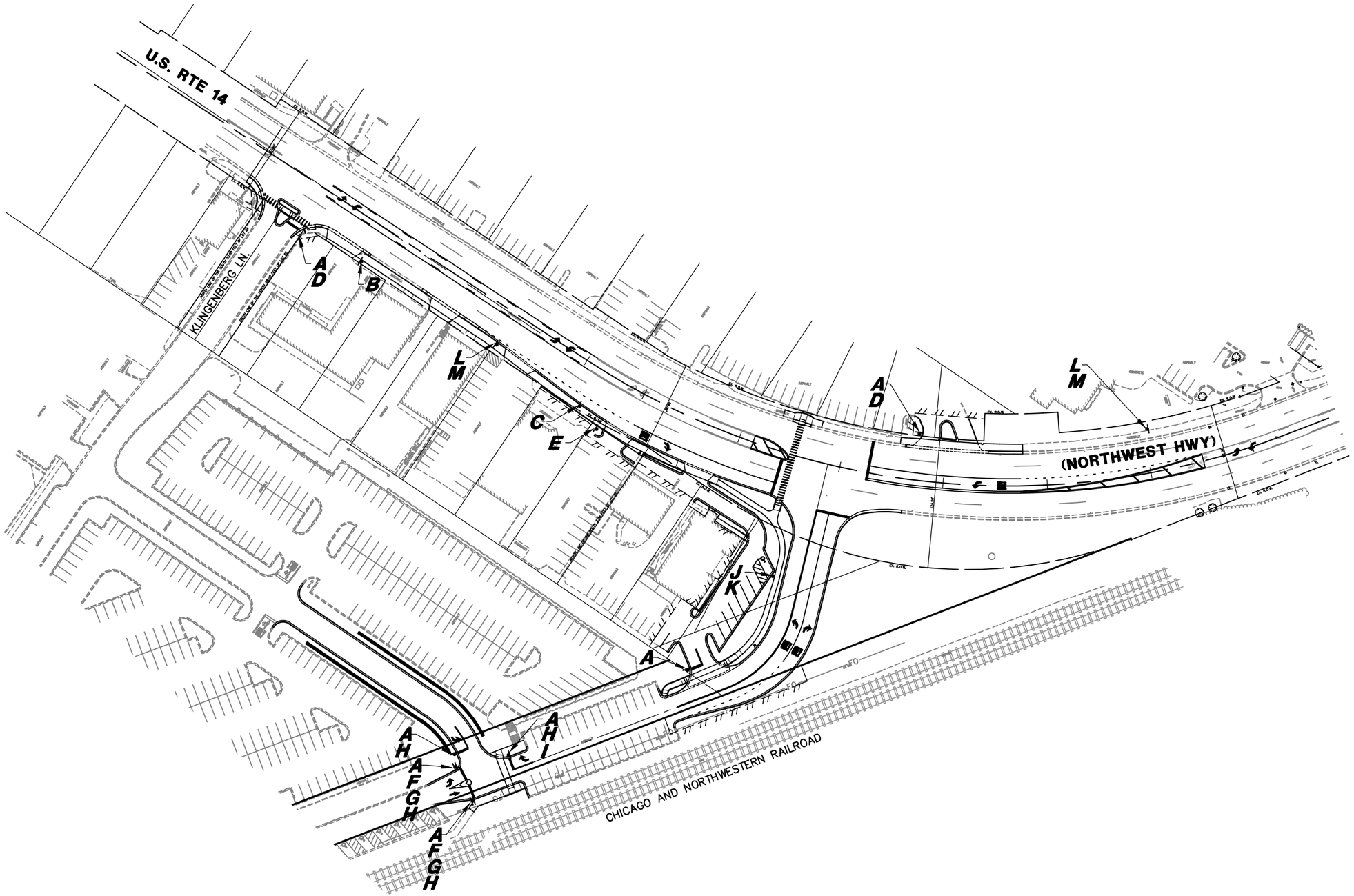
FILE NAME = 4425.200-pr5.dwg	USER NAME = MARK COBB	DESIGNED - KLB	REVISED -
		DRAWN - GW3	REVISED -
	PLOT SCALE = 1" = .1667'	CHECKED - KLB	REVISED -
	PLOT DATE = 10/12/2020 4:00 PM	DATE - 10/12/2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING PLANS
U.S. RTE 14 (NORTHWEST HWY) AT METRA ACCESS
VILLAGE OF BARRINGTON, ILLINOIS

SCALE: 1"=20' | SHEET NO. 4 OF 4 SHEETS | STA. 10+00 | TO STA. 13+50

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	12-00089-00-PK	COOK	90	49
		CONTRACT #:	61E91	
		ILLINOIS FED. AID PROJECT		



N

GRAPHIC SCALE

50 0 25 50

(IN FEET)
1 inch = 50 ft.

SIGN LEGEND

A	STOP	R1–1, 30"
B	CENTER LANE ONLY	R3–9b, 24"x42"
C		W1–2, 30"x30"
D	ONLY	R3–5R, 30"x36"
E	STRIPMALL SIGN (TO BE RELOCATED)	
F	DO NOT ENTER	R5–1, 30"x30"
G	ONE WAY	R6–1, 36"x12"
H	ALL WAY	R1–3P, 18"x6"
I		R3–27, 18"x18"
J	RESERVED PARKING	R7–8, 18"x12"
K	$250 FINE	R7–I101, 12"x6"
L	NEW	W16–15P, 18"x16"
M		W3–3, 36"x36"

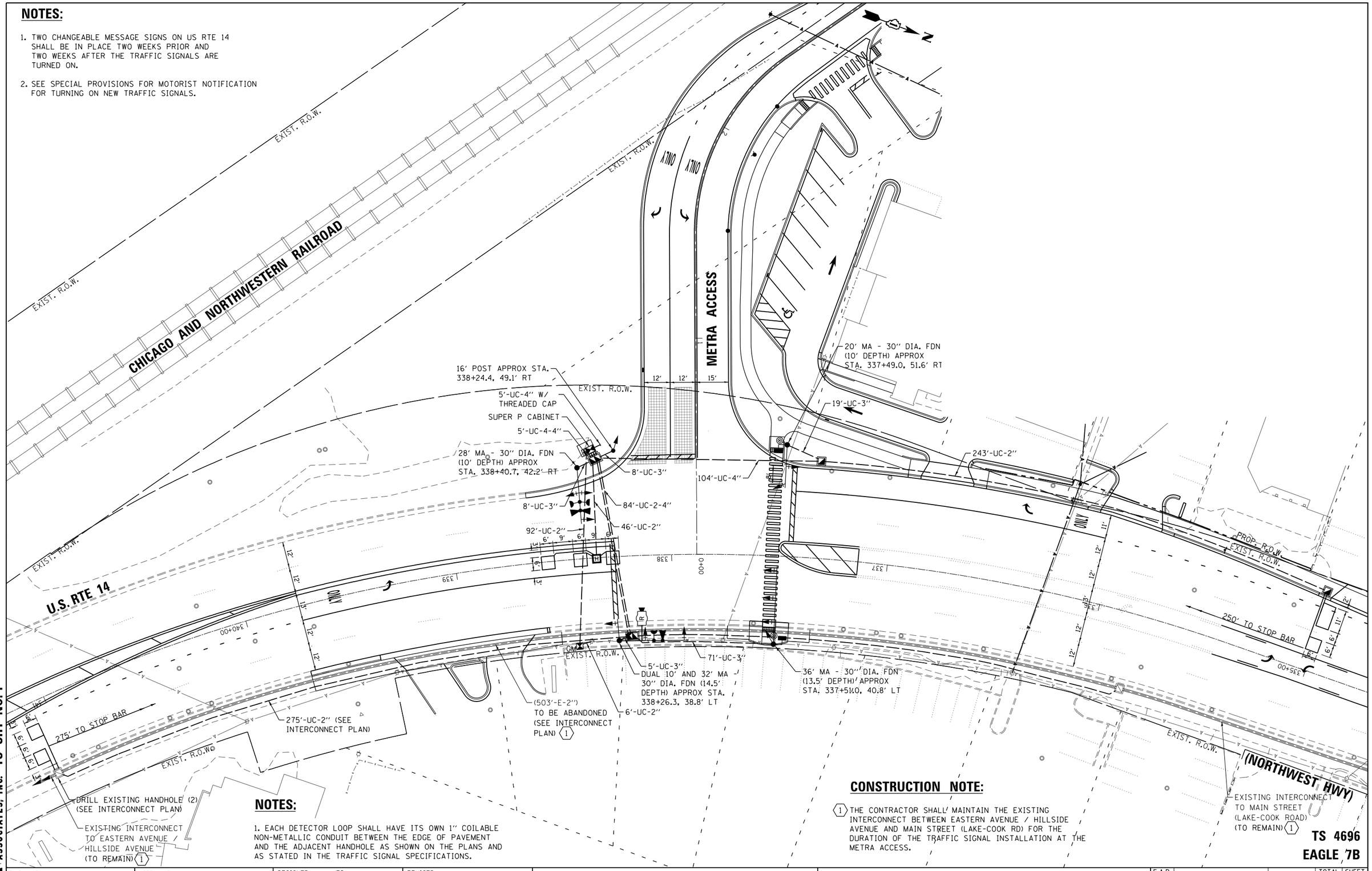
FILE NAME = 4425.200–pr5.dwg	USER NAME = MARK COBB	DESIGNED - KLB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SIGNING PLAN U.S. RTE 14 (NORTHWEST HWY) AT METRA ACCESS VILLAGE OF BARRINGTON, ILLINOIS
		DRAWN - GW3	REVISED -		
	PLOT SCALE = 1" = .1667'	CHECKED - KLB	REVISED -		SCALE 1"=50' | SHEET NO. 1 OF 1 SHEETS | STA. | TO STA.
	PLOT DATE = 10/12/2020 4:01 PM	DATE - 10/12/2020	REVISED -		

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	12–00089–00–PK	COOK	90	50
		CONTRACT #: 61E91		
	ILLINOIS FED. AID PROJECT			

NOTES:

1. TWO CHANGEABLE MESSAGE SIGNS ON US RTE 14 SHALL BE IN PLACE TWO WEEKS PRIOR AND TWO WEEKS AFTER THE TRAFFIC SIGNALS ARE TURNED ON.

2. SEE SPECIAL PROVISIONS FOR MOTORIST NOTIFICATION FOR TURNING ON NEW TRAFFIC SIGNALS.



NOTES:

1. EACH DETECTOR LOOP SHALL HAVE ITS OWN 1" COILABLE NON-METALLIC CONDUIT BETWEEN THE EDGE OF PAVEMENT AND THE ADJACENT HANDHOLE AS SHOWN ON THE PLANS AND AS STATED IN THE TRAFFIC SIGNAL SPECIFICATIONS.

CONSTRUCTION NOTE:

1. THE CONTRACTOR SHALL MAINTAIN THE EXISTING INTERCONNECT BETWEEN EASTERN AVENUE / HILLSIDE AVENUE AND MAIN STREET (LAKE-COOK RD) FOR THE DURATION OF THE TRAFFIC SIGNAL INSTALLATION AT THE METRA ACCESS.

TS 4696

EAGLE 7B

GEWALT HAMILTON ASSOCIATES, INC. TS SHT NO. 1

FILE NAME = TS-Perm-Signal.dgn 4425.000 Default	USER NAME = mcobb	DESIGNED - JRD	REVISED -
		DRAWN - ZCW	REVISED -
	PLOT SCALE = 1:40	CHECKED - KLB	REVISED -
	PLOT DATE = 10/21/2020	DATE - 10/12/2020	REVISED -

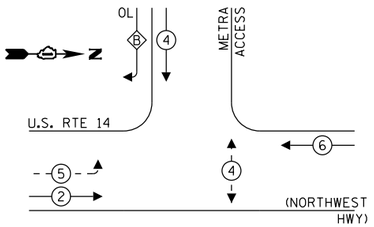
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL INSTALLATION PLAN
U.S. RTE 14 (NORTHWEST HWY) AND METRA ACCESS

SCALE: 1"=20' | SHEET 1 OF 1 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	12-00089-00-PK	COOK	90	51
		CONTRACT NO. 61E91		
	ILLINOIS FED. AID PROJECT			

PROPOSED CONTROLLER SEQUENCE



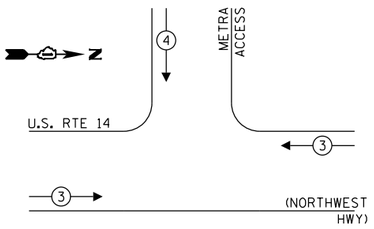
LEGEND:

- PROTECTED PHASE
- PROTECTED/PERMITTED PHASE
- PEDESTRIAN PHASE
- OL OVERLAP

RIGHT TURN OVERLAP PHASE DESIGNATION:

OVERLAP LETTER		PERMISSIVE PHASE		PROTECTED PHASE
B	=	4	+	5

PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE



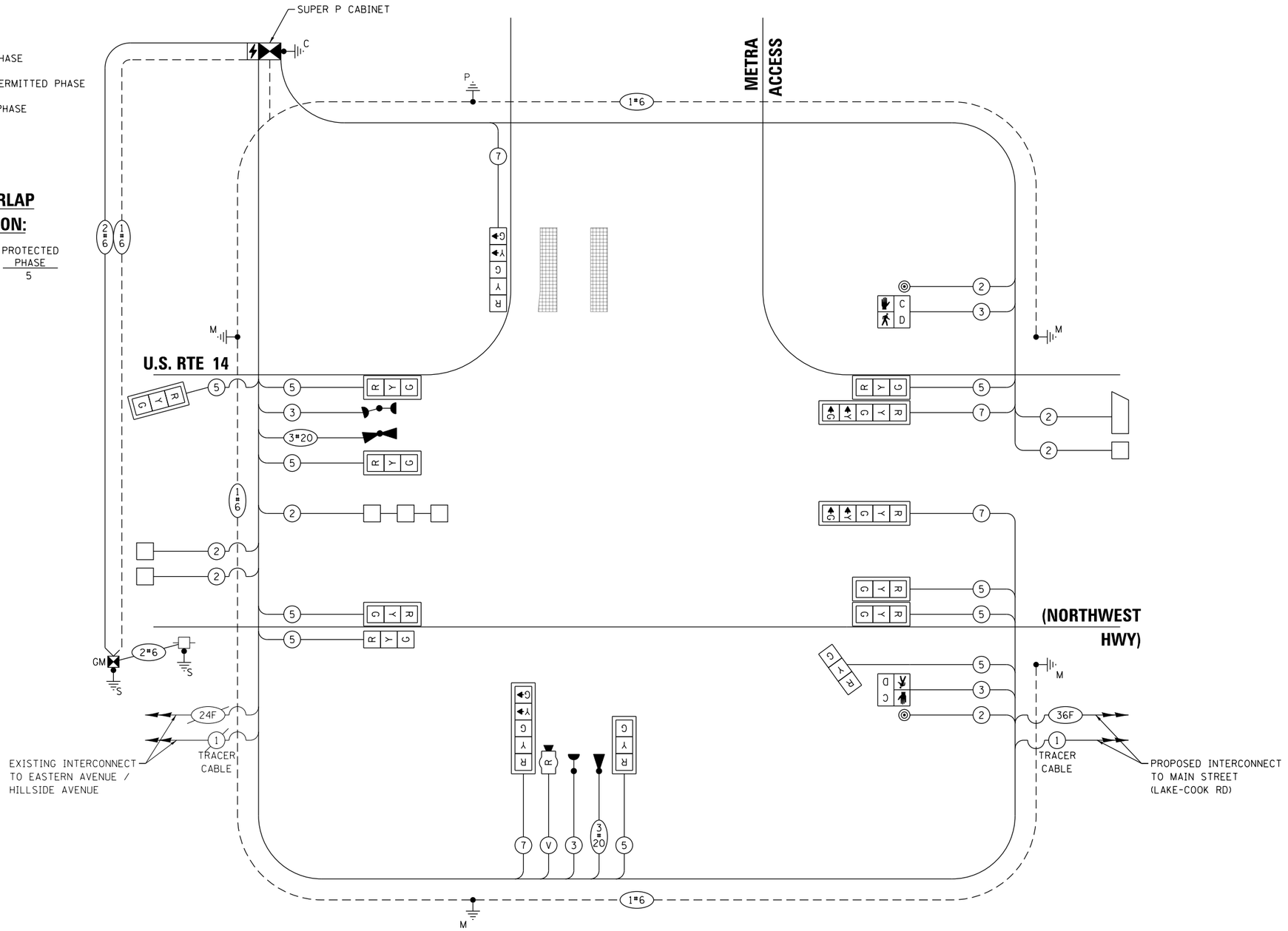
TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	14	11	50	77.0
(YELLOW)	14	20	5	14.0
(GREEN)	14	12	45	75.6
PERMISSIVE ARROW	8	10	10	8.0
PED. SIGNAL	2	20	100	40.0
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	-	150	100	-
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	-	-	-	-
			TOTAL =	339.6

ENERGY COSTS TO:

VILLAGE OF BARRINGTON
200 S. HOUGH STREET
BARRINGTON, IL 60010

ENERGY SUPPLY: CONTACT: MR. DAVE SCHACT
PHONE: (630) 437-2129
COMPANY: COM-ED OAKBROOK TERRACE
ACCOUNT NUMBER: 21701-02004



THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "EAGLE" TO MATCH THE EXISTING ADJACENT SYSTEM.

CABLE PLAN
(NOT TO SCALE)

TS 4696
EAGLE 7B

TS SHT NO. 2

GEWALT HAMILTON ASSOCIATES, INC.

FILE NAME = TS-Perm-Cable.dgn	USER NAME = mcobb	DESIGNED - JRD	REVISED -
4425.000		DRAWN - ZCW	REVISED -
Default	PLOT SCALE = 1:40	CHECKED - KLB	REVISED -
	PLOT DATE = 10/21/2020	DATE - 10/12/2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

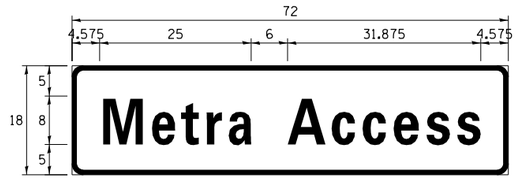
CABLE PLAN, PHASE DESIGNATION DIAGRAM, AND EMERGENCY VEHICLE PREEMPTION SEQUENCE
U.S. RTE 14 (NORTWEST HWY) AND METRA ACCESS

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

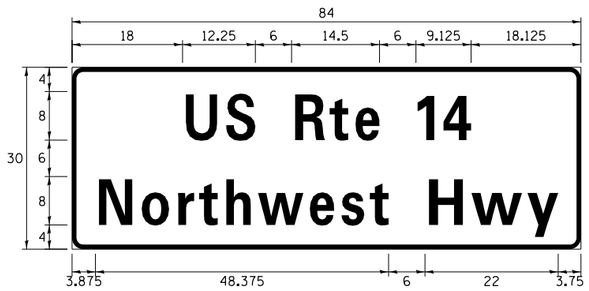
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	12-00089-00-PK	COOK	90	52
		CONTRACT NO. 61E91		
		ILLINOIS FED. AID PROJECT		

SIGN PANEL – TYPE 1 OR TYPE 2

ALL DIMENSIONS ARE IN INCHES UNLESS NOTED OTHERWISE



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
D	9.0	1	ZZ	2



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
D	17.50	2	ZZ	1

NOTE: FOR ADDITIONAL DESIGN AND INSTALLATION INFORMATION PLEASE SEE DISTRICT ONE MAST ARM MOUNTED STREET NAME SIGNS DETAIL.

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY.
SIGN PANEL - TYPE 1	SQ FT	18.00
SIGN PANEL - TYPE 2	SQ FT	17.50
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	682
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	111
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	297
HANDHOLE	EACH	2
HEAVY-DUTY HANDHOLE	EACH	1
DOUBLE HANDHOLE	EACH	2
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	369
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	628
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	1,557
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	653
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	1730
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	125
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	640
TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 20 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 28 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 36 FT.	EACH	1
CONCRETE FOUNDATION, TYPE A	FOOT	8
CONCRETE FOUNDATION, TYPE C	FOOT	4
CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	48
DRILL EXISTING HANDHOLE	EACH	2
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	8
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	2
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	1
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	3
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	2
TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	11
INDUCTIVE LOOP DETECTOR	EACH	5
DETECTOR LOOP, TYPE I	FOOT	254
LIGHT DETECTOR	EACH	2
LIGHT DETECTOR AMPLIFIER	EACH	1
PEDESTRIAN PUSH-BUTTON	FOOT	2
EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	245
FULL-ACTUATED CONTROLLER AND TYPE SUPER P CABINET (SPECIAL)	EACH	1
SERVICE INSTALLATION, GROUND MOUNTED, METERED	EACH	1
RADAR VEHICLE DETECTION SYSTEM, SINGLE APPROACH, STOP BAR	EACH	1
UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS, 10 FT. AND 32 FT.	EACH	1

GEWALT HAMILTON ASSOCIATES, INC. TS SHT NO. 3

TS 4696
EAGLE 7B

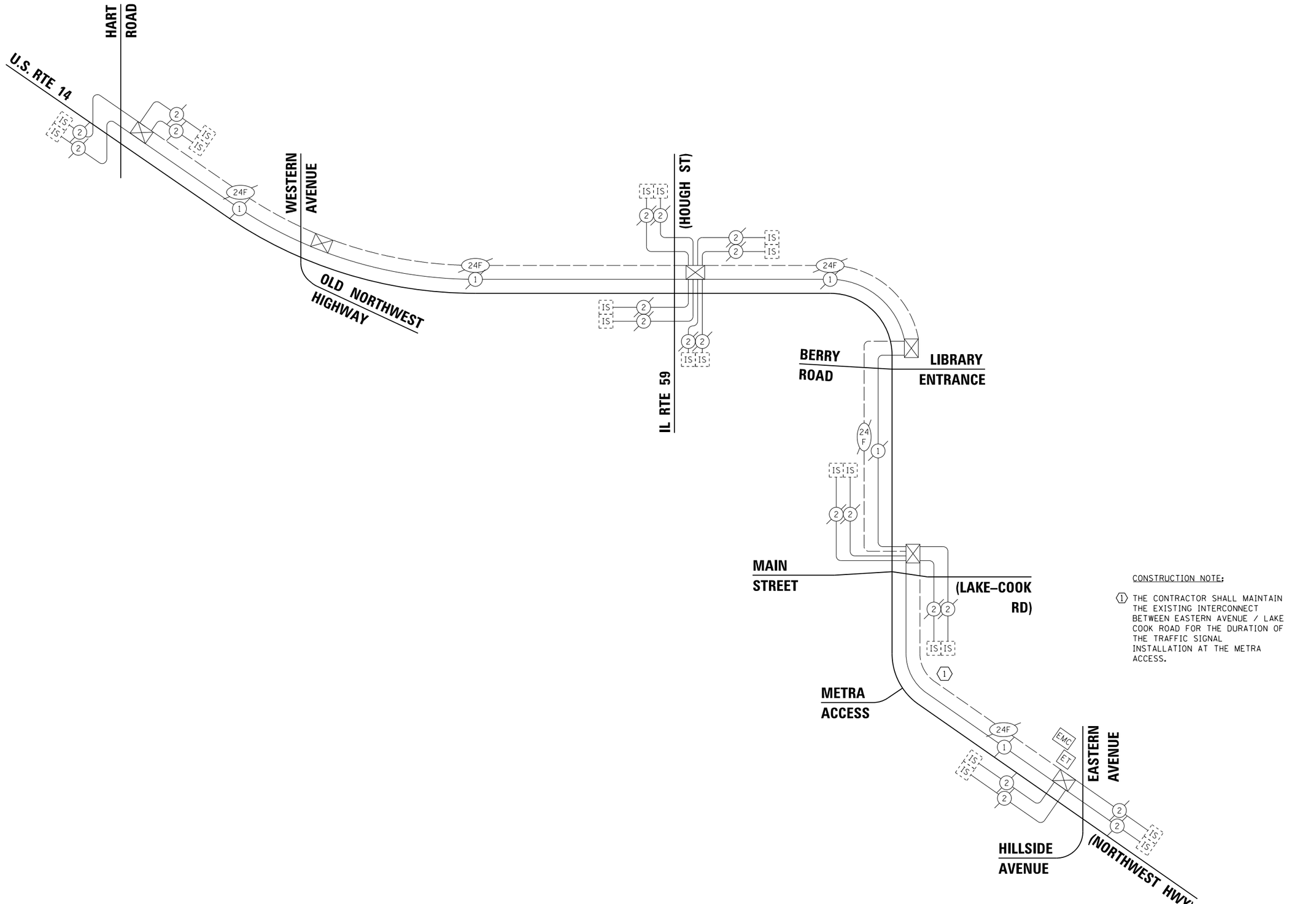
FILE NAME = TS-Cable-Signage.dgn	USER NAME = mcobb	DESIGNED - JRD	REVISED -
4425.000		DRAWN - ZCW	REVISED -
Default	PLOT SCALE = 1:40	CHECKED - KLB	REVISED -
	PLOT DATE = 10/21/2020	DATE - 10/12/2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAST ARM MOUNTED STREET NAME SIGNS AND SCHEDULE OF QUANTITIES
U.S. RTE 14 (NORTHWEST HWY) AND METRA ACCESS

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	12-00089-00-PK	COOK	90	53
		CONTRACT NO. 61E91		
	ILLINOIS FED. AID PROJECT			



CONSTRUCTION NOTE;

(1) THE CONTRACTOR SHALL MAINTAIN THE EXISTING INTERCONNECT BETWEEN EASTERN AVENUE / LAKE COOK ROAD FOR THE DURATION OF THE TRAFFIC SIGNAL INSTALLATION AT THE METRA ACCESS.

EAGLE 7B

GEWALT HAMILTON ASSOCIATES, INC. TS SHT NO. 4

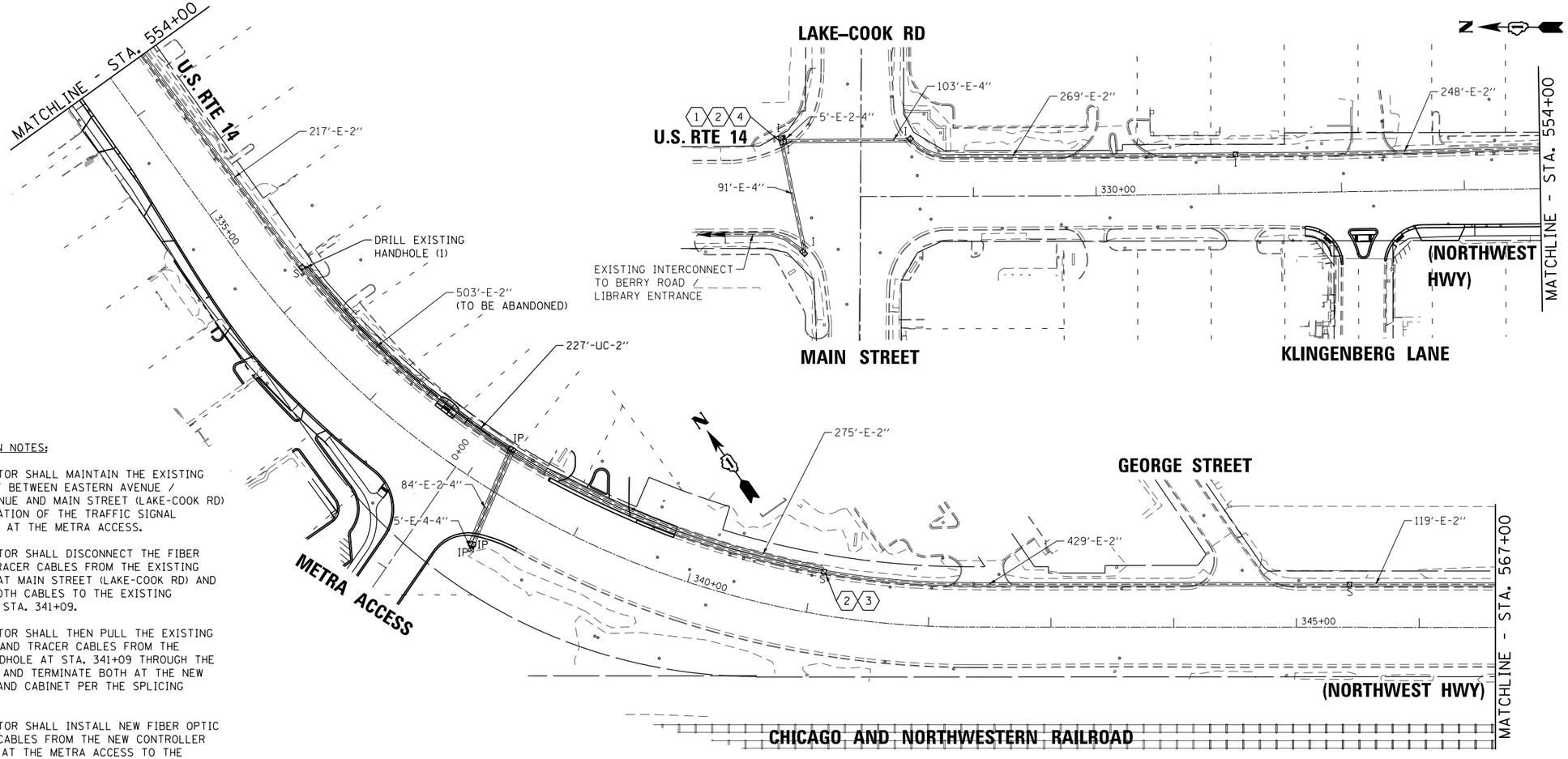
FILE NAME = TS-Exist-Int-Schem.dgn 4425.000 Default	USER NAME = mcobb	DESIGNED - JRD	REVISED -
		DRAWN - ZCW	REVISED -
	PLOT SCALE = 1:100	CHECKED - KLB	REVISED -
	PLOT DATE = 10/21/2020	DATE - 10/12/2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING INTERCONNECT SCHEMATIC
U.S RTE 14 (NORTHWEST HWY)
HART ROAD TO EASTERN AVENUE /HILLSIDE AVENUE

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	12-00089-00-PK	COOK	90	54
		CONTRACT NO. 61E91		
	ILLINOIS FED. AID PROJECT			



CONSTRUCTION NOTES:

1. THE CONTRACTOR SHALL MAINTAIN THE EXISTING INTERCONNECT BETWEEN EASTERN AVENUE / HILLSIDE AVENUE AND MAIN STREET (LAKE-COOK RD) FOR THE DURATION OF THE TRAFFIC SIGNAL INSTALLATION AT THE METRA ACCESS.
2. THE CONTRACTOR SHALL DISCONNECT THE FIBER OPTIC AND TRACER CABLES FROM THE EXISTING CONTROLLER AT MAIN STREET (LAKE-COOK RD) AND PULL BACK BOTH CABLES TO THE EXISTING HANDHOLE AT STA. 341+09.
3. THE CONTRACTOR SHALL THEN PULL THE EXISTING FIBER OPTIC AND TRACER CABLES FROM THE EXISTING HANDHOLE AT STA. 341+09 THROUGH THE NEW CONDUIT AND TERMINATE BOTH AT THE NEW CONTROLLER AND CABINET PER THE SPLICING DIAGRAM.
4. THE CONTRACTOR SHALL INSTALL NEW FIBER OPTIC AND TRACER CABLES FROM THE NEW CONTROLLER AND CABINET AT THE METRA ACCESS TO THE EXISTING CONTROLLER AND CABINET AT MAIN STREET (LAKE-COOK RD) AND TERMINATE AT THE CONTROLLER AND CABINET PER THE SPLICING DIAGRAM.

EAGLE 7B

GEWALT HAMILTON ASSOCIATES, INC. TS SHT NO. 5

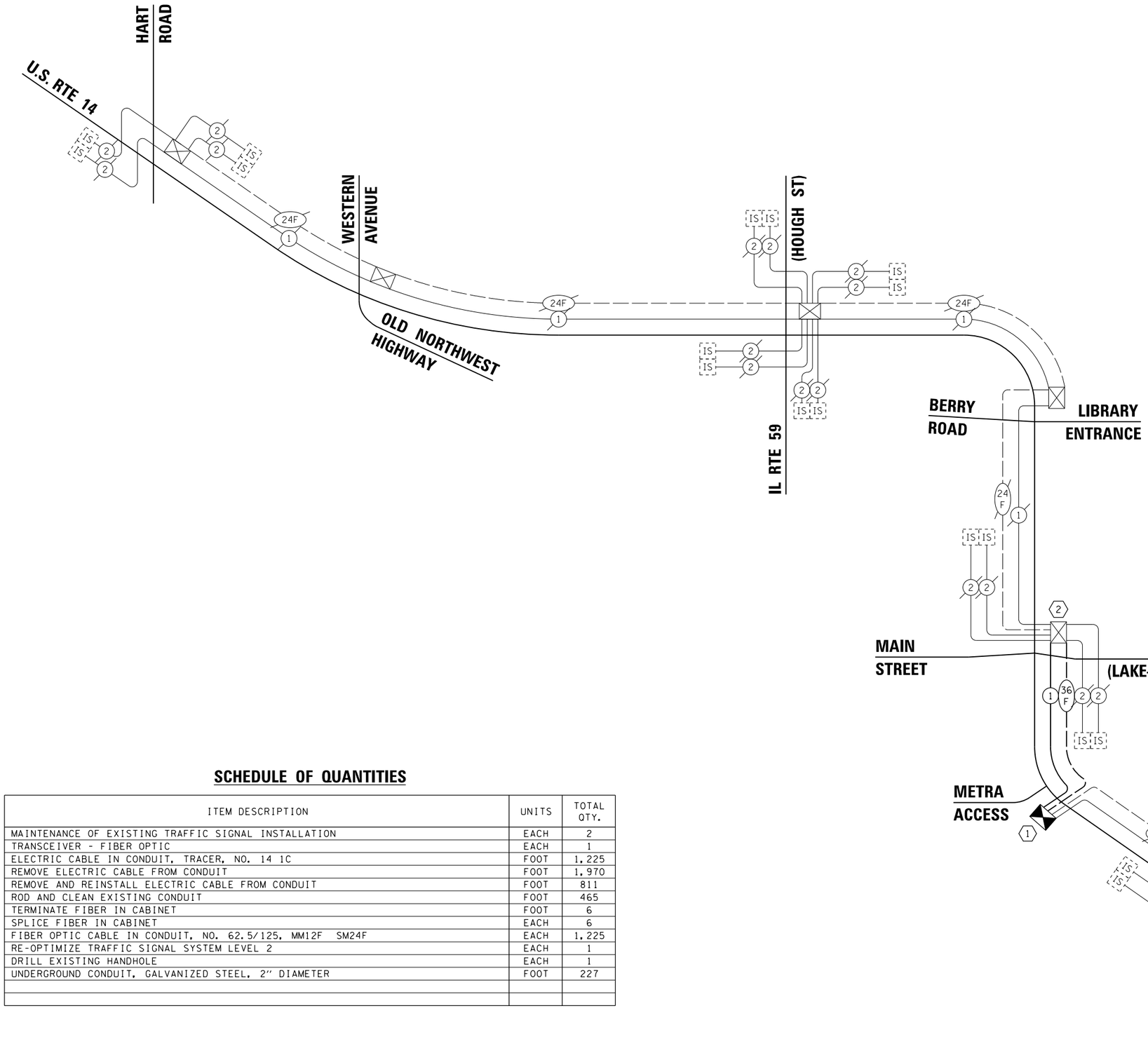
FILE NAME = TS-Perm-Int.dgn 4425.000 Default	USER NAME = mcobb	DESIGNED - JRD	REVISED -
		DRAWN - ZCW	REVISED -
	PLOT SCALE = 1:100	CHECKED - KLB	REVISED -
	PLOT DATE = 10/21/2020	DATE - 10/12/2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED INTERCONNECT PLAN
U.S. RTE 14 (NORTHWEST HWY)
HART ROAD TO EASTERN AVENUE /HILLSIDE AVENUE

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	12-00089-00-PK	COOK	90	55
		CONTRACT NO. 61E91		
	ILLINOIS FED. AID PROJECT			



CONSTRUCTION NOTE:

1. THE CONTRACTOR SHALL SPLICE THROUGH SINGLE MODE FIBERS 7-12 IN THE CABINET PER THE PROVIDED SPLICING DIAGRAM.
2. THE CONTRACTOR SHALL TERMINATE SINGLE MODE FIBERS 7-12 IN THE CABINET PER THE PROVIDED SPLICING DIAGRAM.

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY.
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	2
TRANSCEIVER - FIBER OPTIC	EACH	1
ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	FOOT	1,225
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	1,970
REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	811
ROD AND CLEAN EXISTING CONDUIT	FOOT	465
TERMINATE FIBER IN CABINET	FOOT	6
SPLICE FIBER IN CABINET	EACH	6
FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM24F	EACH	1,225
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 2	EACH	1
DRILL EXISTING HANDHOLE	EACH	1
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIAMETER	FOOT	227

EAGLE 7B

GEWALT HAMILTON ASSOCIATES, INC. TS SHT NO. 6

FILE NAME = TS-Perm-Int-Schem.dgn 4425.000 Default	USER NAME = mcobb	DESIGNED - JRD	REVISED -
		DRAWN - ZCW	REVISED -
	PLOT SCALE = 1:100	CHECKED - KLB	REVISED -
	PLOT DATE = 10/21/2020	DATE - 10/12/2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

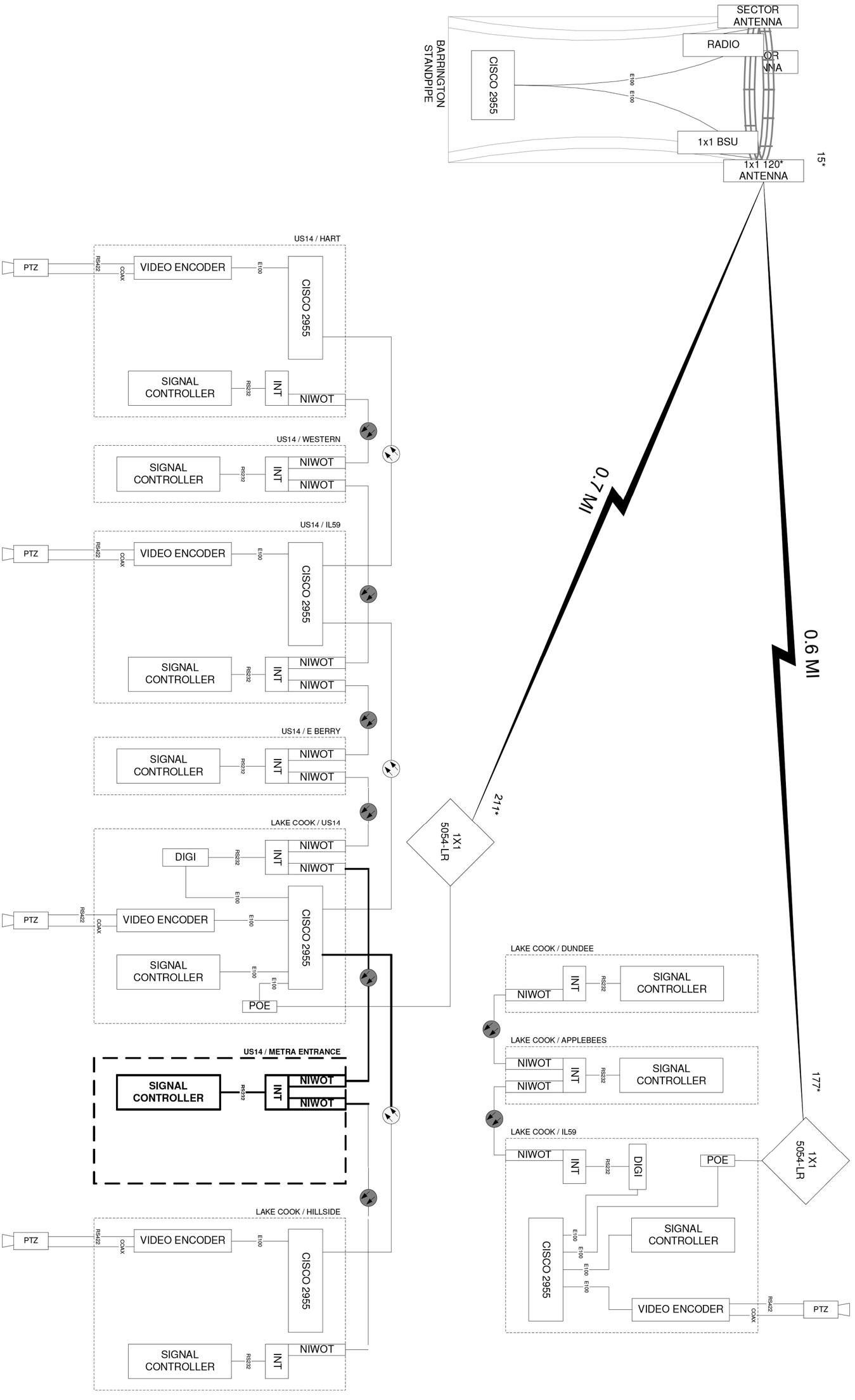
PROPOSED INTERCONNECT SCHEMATIC AND SCHEDULE OF QUANTITIES
U.S RTE 14 (NORTHWEST HWY)
HART ROAD TO EASTERN AVENUE /HILLSIDE AVENUE

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	12-00089-00-PK	COOK	90	56
		CONTRACT NO. 61E91		
	ILLINOIS FED. AID PROJECT			

GHA GEWALT HAMILTON ASSOCIATES, INC. TS SHT NO. 7

PARSONS



DESIGNED - DG
DRAWN - YM
CHECKED - DG
DATE 2018.6.04

REVISED -
REVISED -
REVISED -

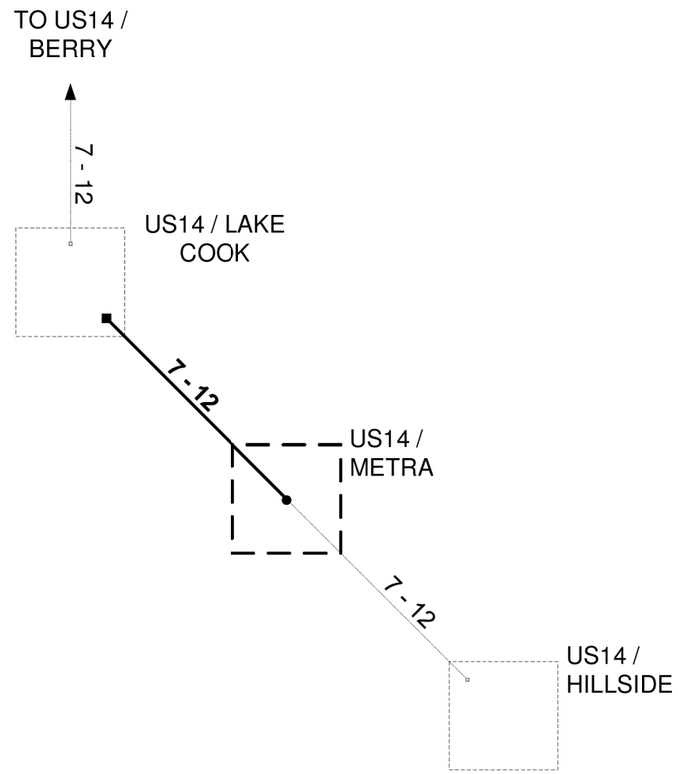
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE N/A

220C
BARRINGTON STANDPIPE

ROUTE	SECTION	SECTION NUMBER	SHEET	SHEETS
305		12-00089-00-PK	57	90

PARSONS



EXISTING CONNECTOR / EXISTING FIBER

NEW CONNECTOR / EXISTING FIBER

EXISTING FUSION SPLICE / EXISTING FIBER

NEW FUSION SPLICE / EXISTING FIBER

NEW CONNECTOR / NEW FIBER

NEW FUSION SPLICE / NEW FIBER

GHA GEWALT HAMILTON ASSOCIATES, INC. TS SHT NO. 8

	DESIGNED - DG	REVISED -	
	DRAWN - YM	REVISED -	
	CHECKED - DG	REVISED -	
	DATE 2018.6.04	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US14 & METRA ACCESS
FIBER SPLICING DIAGRAM

SCALE N/A

ROUTE	SECTION	SECTION NUMBER	SHEET	SHEETS
305		12-00089-00-PK	58	90

TRAFFIC SIGNAL LEGEND

(NOT TO SCALE)

ITEM	EXISTING	PROPOSED
CONTROLLER CABINET		
COMMUNICATION CABINET	ECC	CC
MASTER CONTROLLER	EMC	MC
MASTER MASTER CONTROLLER	EMMC	MMC
UNINTERRUPTABLE POWER SUPPLY		
SERVICE INSTALLATION -(P) POLE MOUNTED	P	P
SERVICE INSTALLATION -(G) GROUND MOUNTED -(GM) GROUND MOUNTED METERED	G GM	G GM
TELEPHONE CONNECTION	ET	T
STEEL MAST ARM ASSEMBLY AND POLE		
ALUMINUM MAST ARM ASSEMBLY AND POLE		
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH LUMINAIRE		
SIGNAL POST -(BM) BARREL MOUNTED - TEMPORARY		BM
WOOD POLE		
GUY WIRE		
SIGNAL HEAD		
SIGNAL HEAD WITH BACKPLATE		
SIGNAL HEAD OPTICALLY PROGRAMMED	P P	P P
FLASHER INSTALLATION -(FS) SOLAR POWERED	F FS F FS	F FS F FS
PEDESTRIAN SIGNAL HEAD		
PEDESTRIAN PUSH BUTTON -(APS) ACCESSIBLE PEDESTRIAN PUSH BUTTON	APS	APS
RADAR DETECTION SENSOR	R	R
VIDEO DETECTION CAMERA	V	V
RADAR/VIDEO DETECTION ZONE		
PAN, TILT, ZOOM (PTZ) CAMERA	PTZ	PTZ
EMERGENCY VEHICLE LIGHT DETECTOR		
CONFIMATION BEACON		
WIRELESS INTERCONNECT		
WIRELESS INTERCONNECT RADIO REPEATER	ERR	RR

ITEM	EXISTING	PROPOSED
HANDHOLE -SQUARE -ROUND		
HEAVY DUTY HANDHOLE -SQUARE -ROUND	H	H
DOUBLE HANDHOLE		
JUNCTION BOX	J	
RAILROAD CANTILEVER MAST ARM		
RAILROAD FLASHING SIGNAL		
RAILROAD CROSSING GATE		
RAILROAD CROSSBUCK		
RAILROAD CONTROLLER CABINET	RC	
UNDERGROUND CONDUIT (UC), GALVANIZED STEEL		
TEMPORARY SPAN WIRE, TETHER WIRE, AND CABLE		
SYSTEM ITEM	S	SP
INTERSECTION ITEM	I	IP
REMOVE ITEM		R
RELOCATE ITEM		RL
ABANDON ITEM		A
CONTROLLER CABINET AND FOUNDATION TO BE REMOVED		RCF
MAST ARM POLE AND FOUNDATION TO BE REMOVED		RMF
SIGNAL POST AND FOUNDATION TO BE REMOVED		RPF
DETECTOR LOOP, TYPE I		
PREFORMED DETECTOR LOOP	P P	P P
SAMPLING (SYSTEM) DETECTOR	S S	S S
INTERSECTION AND SAMPLING (SYSTEM) DETECTOR	IS IS	IS IS
QUEUE AND SAMPLING (SYSTEM) DETECTOR	QS QS	QS QS
WIRELESS DETECTOR SENSOR	W	W
WIRELESS ACCESS POINT		

ITEM	EXISTING	PROPOSED
SIGNAL HEAD -(P) PROGRAMMABLE SIGNAL HEAD	R Y G ◄Y ◄G (P)	R Y G ◄Y ◄G (P)
SIGNAL HEAD WITH BACKPLATE -(P) PROGRAMMABLE SIGNAL HEAD -(RB) RETROREFLECTIVE BACKPLATE	R Y G ◄Y ◄G (P) (RB)	R Y G ◄Y ◄G (P) (RB)
PEDESTRIAN SIGNAL HEAD AT RAILROAD INTERSECTIONS		
PEDESTRIAN SIGNAL HEAD WITH COUNTDOWN TIMER	C D	C D
ILLUMINATED SIGN "NO LEFT TURN"/"NO RIGHT TURN"		
NUMBER OF CONDUCTORS, ELECTRIC CABLE NO. 14, UNLESS NOTED OTHERWISE. ALL DETECTOR LOOP CABLE TO BE SHIELDED	5	5
GROUND CABLE IN CONDUIT, NO. 6 SOLID COPPER (GREEN)	1#6	1#6
ELECTRIC CABLE IN CONDUIT, TRACER NO. 14 1/C	1	1
COAXIAL CABLE	C	C
VENDOR CABLE	V	V
COPPER INTERCONNECT CABLE, NO. 18, 3 PAIR TWISTED, SHIELDED	6#18	6#18
FIBER OPTIC CABLE -NO. 62.5/125, MM12F -NO. 62.5/125, MM12F SM12F -NO. 62.5/125, MM12F SM24F	12F 24F 36F	12F 24F 36F
GROUND ROD -(C) CONTROLLER -(M) MAST ARM -(P) POST -(S) SERVICE	C M P S	C M P S

GEWALT HAMILTON ASSOCIATES, INC. TS SHT NO. 9

FILE NAME = IDOT-StdDetails.dgn 4425 IDOT D1 STANDARD TS05a	USER NAME = mcobb	DESIGNED - IP	REVISED -	
		DRAWN - IP	REVISED -	
	PLOT SCALE = 1:2	CHECKED - LP	REVISED -	
	PLOT DATE = 10/21/2020	DATE - 9/29/2016	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: NONE | SHEET 1 OF 7 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	12-00089-00-PK	COOK	90	59
	TS-05	CONTRACT NO. 61E91		
		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.

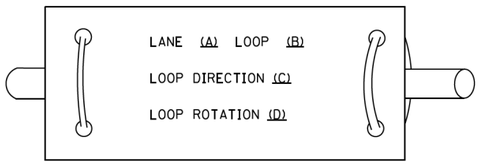
4. ALL LOOP CABLE SHALL BE FASTENED WITH PLASTIC TIE WRAP TO THE HANDHOLE HOOKS.

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.

LOOP LEAD-IN CABLE TAG

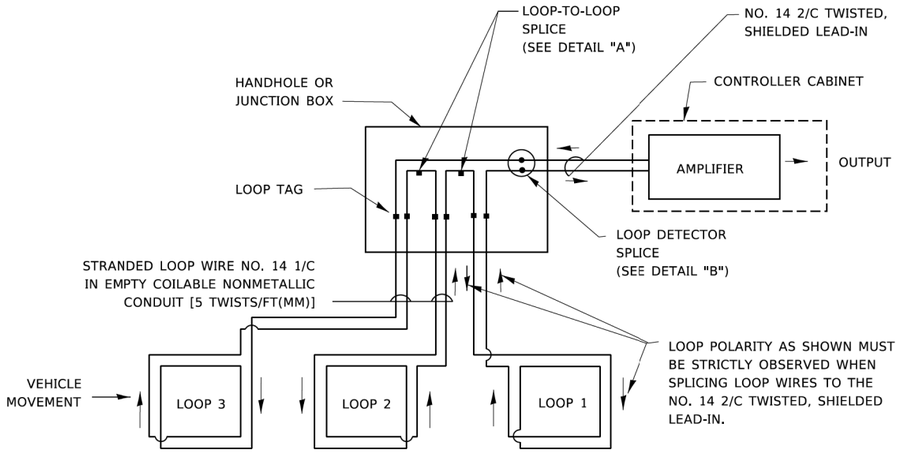


A. LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY

B. LOOP #1 IS THE LOOP IN THE LANE CLOSEST TO THE INTERSECTION.

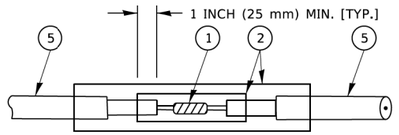
C. LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".

D. LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.

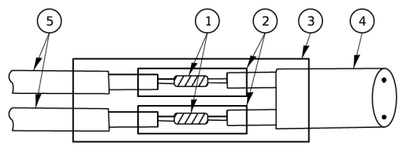


DETECTOR LOOP WIRING SCHEMATIC

- 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.

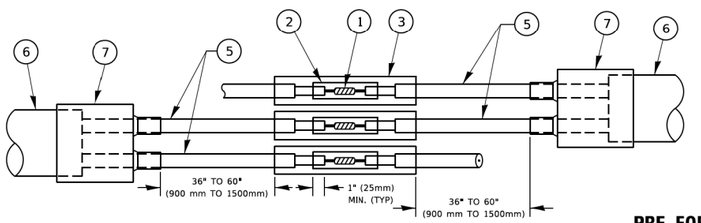


DETAIL "A"
LOOP-TO-LOOP SPLICE

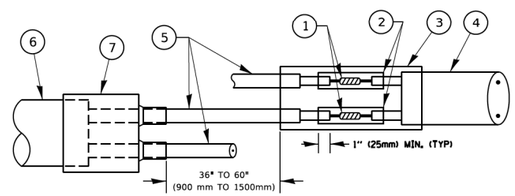


DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

TYPE I LOOP



DETAIL "A"
LOOP-TO-LOOP SPLICE



DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

PRE-FORMED 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 LENGHT 6" (150 mm), UNDERWATER GRADE.

(4) NO. 14 2/C TWISTED, SHIELDED CABLE.

(5) LOOP CONDUCTOR WITH FLEXIBLE PLASTIC TUBE. PRE-FORMED LOOP

(6) XL POLYOLEFIN 2 CONDUCTOR

(7) BREAKOUT SEALS. TYCO CBR-2 OR APPROVED EQUAL

GEWALT HAMILTON ASSOCIATES, INC. TS SHT NO. 10

FILE NAME = IDOT-StdDetails.dgn 4425 IDOT D1 STANDARD TS05b	USER NAME = mcobb	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 1:2	CHECKED -	REVISED -
	PLOT DATE = 10/21/2020	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

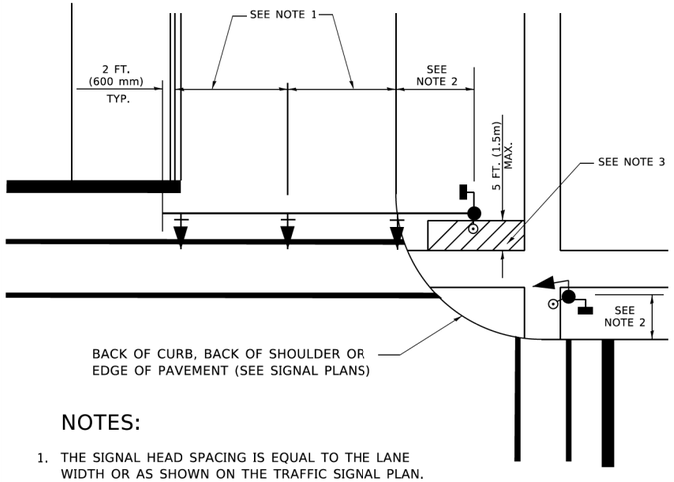
DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: NONE | SHEET 2 OF 7 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	12-00089-00-PK	COOK	90	60
	TS-05	CONTRACT NO. 61E91		
	ILLINOIS FED. AID PROJECT			

TRAFFIC SIGNAL MAST ARM AND SIGNAL POST

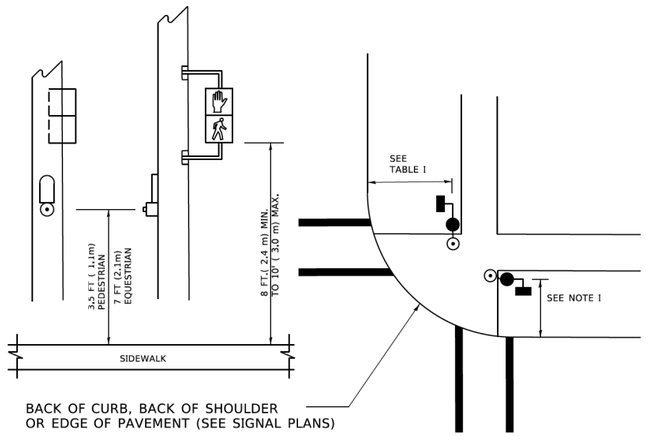
MAST ARM MOUNTED SIGNALS IN EXISTING, PROPOSED OR FUTURE SIDEWALK/BICYCLE PATH AREA. INTERSECTION SHOWN WITH PEDESTRIAN SIGNALS AND PEDESTRIAN PUSHBUTTON DETECTORS.



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."

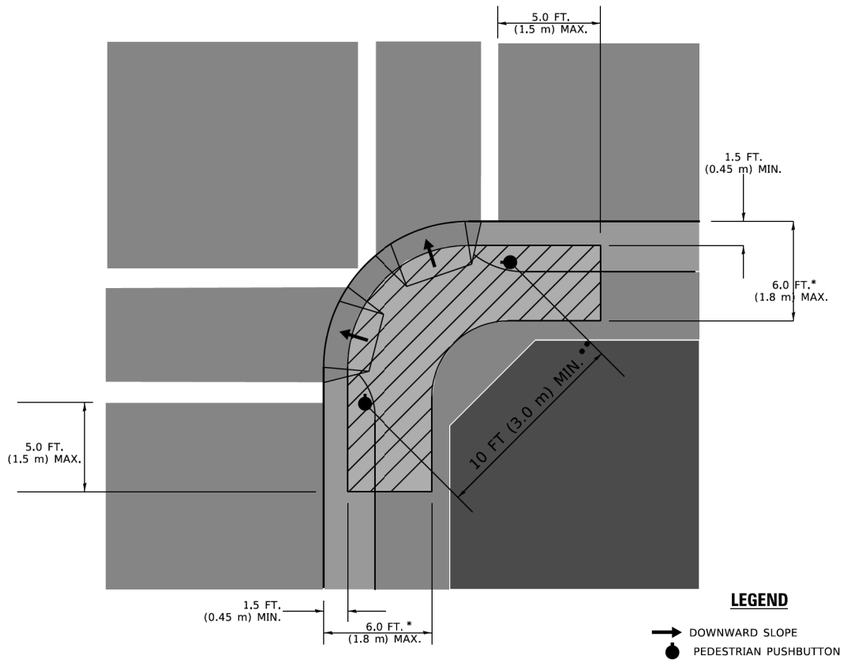
PEDESTRIAN SIGNAL POST AND PEDESTRIAN PUSH BUTTON POST



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) SEPERATION 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 TOTHE 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.

GEWALT HAMILTON ASSOCIATES, INC. TS SHT NO. 11

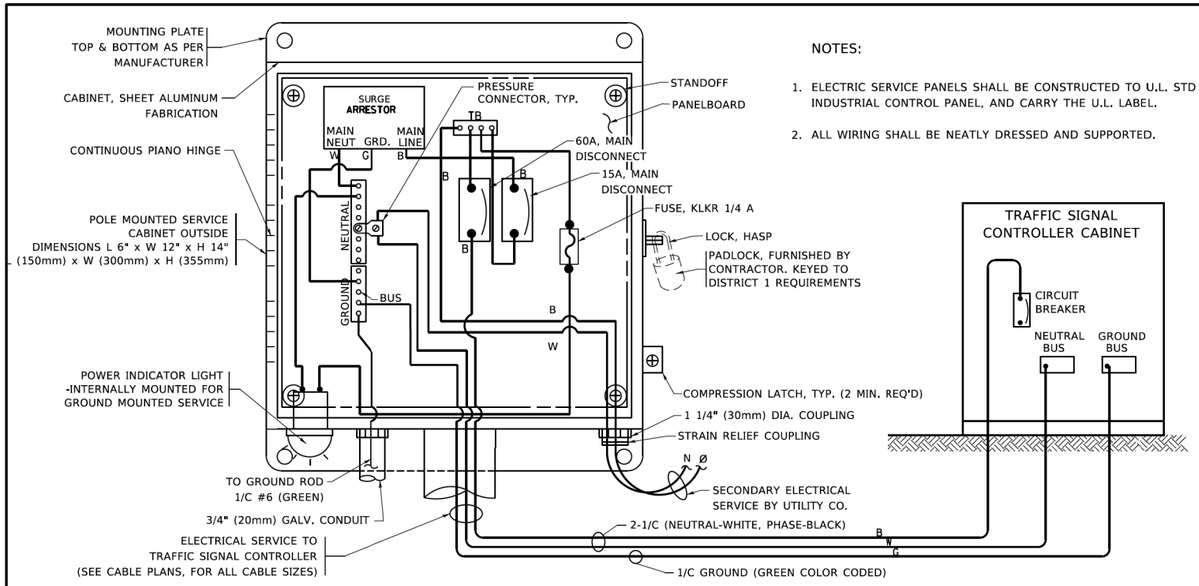
FILE NAME = IDOT-StdDetails.dgn 4425 IDOT DI STANDARD TS05c	USER NAME = mcobb	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 1:2	CHECKED -	REVISED -
	PLOT DATE = 10/21/2020	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: NONE | SHEET 3 OF 7 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	12-00089-00-PK	COOK	90	61
	TS-05	CONTRACT NO. 61E91		
	ILLINOIS FED. AID PROJECT			



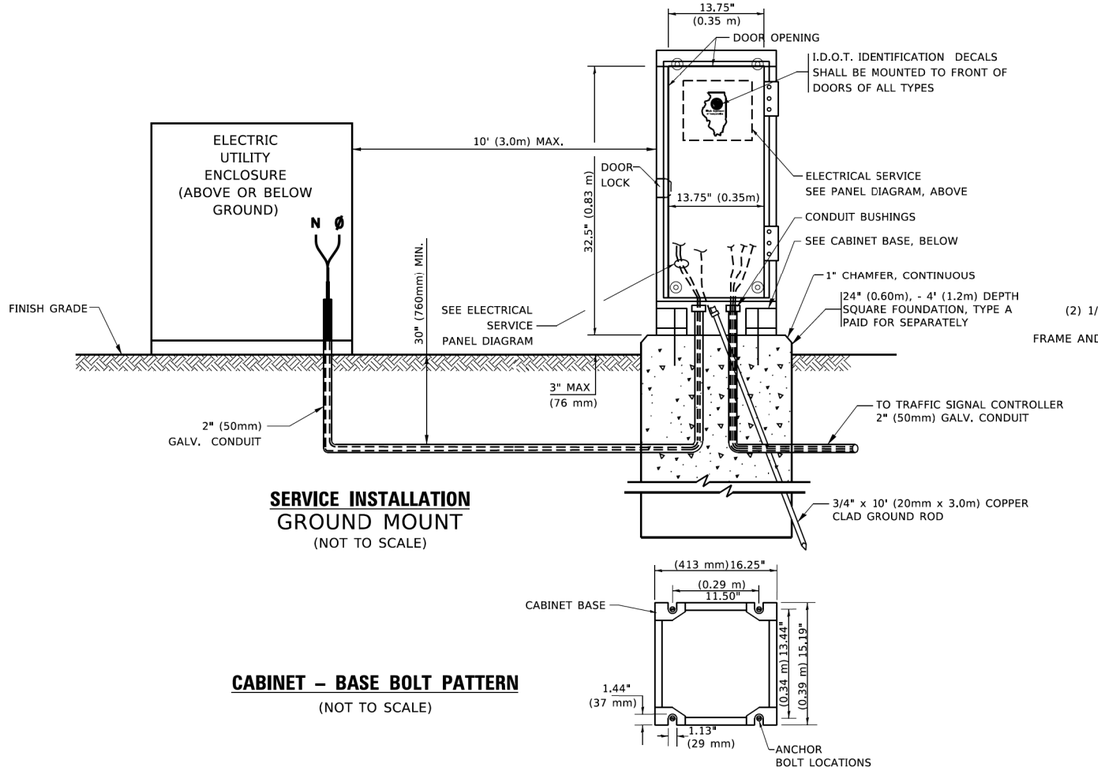
NOTES:

1. ELECTRIC SERVICE PANELS SHALL BE CONSTRUCTED TO U.L. STD 508, INDUSTRIAL CONTROL PANEL, AND CARRY THE U.L. LABEL.
2. ALL WIRING SHALL BE NEATLY DRESSED AND SUPPORTED.

ELECTRICAL SERVICE – PANEL DIAGRAM (TYPICAL FOR POLE AND GROUND MOUNTED SERVICE)

SERVICE INSTALLATION POLE MOUNT (SHOWN)

(NOT TO SCALE)



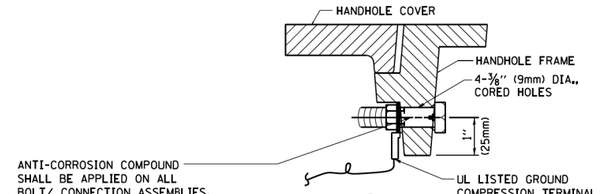
SERVICE INSTALLATION

GROUND MOUNT

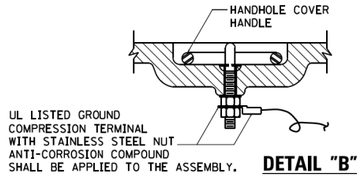
(NOT TO SCALE)

CABINET – BASE BOLT PATTERN

(NOT TO SCALE)



DETAIL "A"

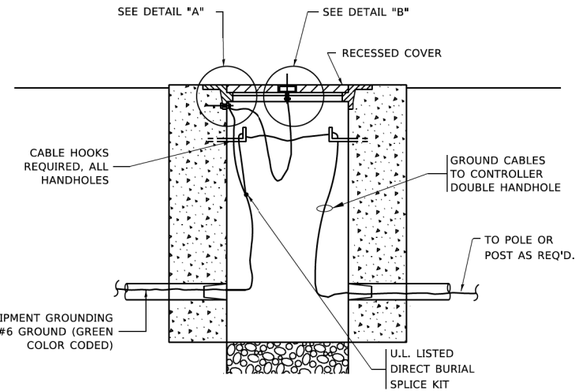


DETAIL "B"

NOTES:

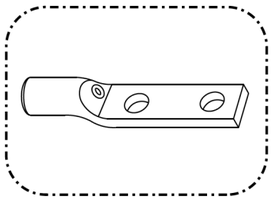
GROUNDING SYSTEM

1. THE GROUNDING SYSTEM SHALL CONSIST OF AN INSULATED CONDUCTOR TYPE XLP, NO. 6 A.W.G., STRANDED COPPER TO BE INSTALLED IN RACEWAYS. THE GROUNDING CABLE SHALL BE INSTALLED IN A CONTINUOUS MANNER AS SHOWN ON THE CABLE PLAN PROVIDED. ALL GROUNDING CONDUCTORS SHALL BE BONDED TO METAL ENCLOSURE (HANDHOLE, POST, MAST ARM, CONTROLLER, ETC,). GROUND ROD SHALL BE 3/4" DIA. x 10'-0" (20mm x 3.0m) LONG, COPPER CLAD. ONE GROUND ROD SHALL BE INSTALLED AT ALL POST FOUNDATIONS, POLE FOUNDATIONS, CONTROLLER CABINET FOUNDATION AND ELECTRICAL SERVICE INSTALLATION AS INDICATED ON THE CABLE PLAN. IF THERE ARE ANY SPECIAL CONDITIONS SUCH AS SUB-SURFACE CONDITIONS OR INSTALLATION PROBLEMS, THE RESIDENT ENGINEER SHALL BE NOTIFIED OR CONTACT THE BUREAU OF TRAFFIC, ILLINOIS DEPARTMENT OF TRANSPORTATION DISTRICT ONE AT (847) 705-4139.
2. THE NEUTRAL CONDUCTOR AND THE GROUND CONDUCTOR SHALL BE CONNECTED IN THE SERVICE INSTALLATION. AT NO OTHER POINT IN THE TRAFFIC SIGNAL SYSTEM SHALL THE NEUTRAL AND GROUND CONDUCTORS BE CONNECTED.
3. ALL EQUIPMENT GROUNDING CONDUCTORS SHALL TERMINATE AT THE GROUND BUS IN THE CONTROLLER CABINET.
4. THE CONTRACTOR SHALL PROVIDE A GROUND CABLE WITH CONNECTORS BETWEEN THE HANDHOLE COVER AND HANDHOLE FRAME.

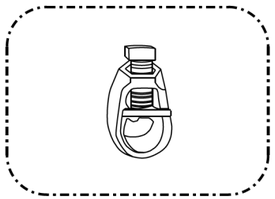


HANDHOLE COVER & FRAME – GROUNDING DETAIL

(NOT TO SCALE)



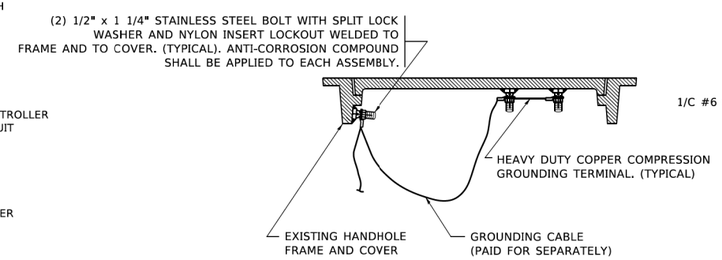
HEAVY-DUTY COMPRESSION TERMINAL (BURNDY TYPE YGHA OR APPROVED EQUAL)



¾" (20mm) HEAVY-DUTY GROUND ROD CLAMP (BURNDY TYPE GRC OR APPROVED EQUAL)

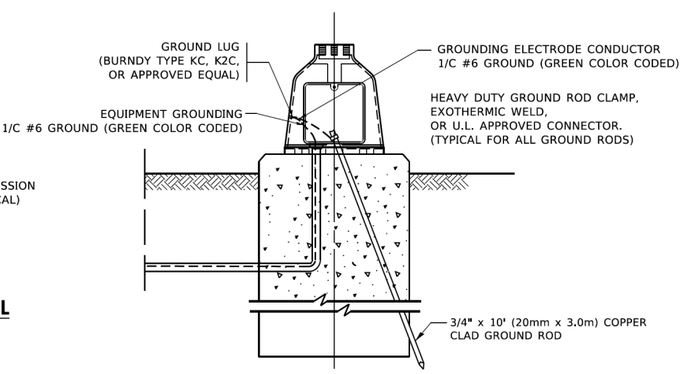
NOTES:

- ALL CLAMPS SHALL BE BRONZE OR COPPER, UL APPROVED.
- GROUND CABLE SHALL BE LOOPED OVER HOOKS IN THE HANDHOLES
  6.5' (2.0m) SLACK SHALL BE PROVIDED IN SINGLE HANDHOLES
  13' (4.0m) OF SLACK SHALL BE PROVIDED IN DOUBLE HANDHOLES.
  5' (1.4m) OF SLACK SHALL BE PROVIDED BETWEEN FRAME AND COVER.



EXISTING HANDHOLE COVER & FRAME – GROUNDING DETAIL

(NOT TO SCALE)



MAST ARM POLE /POST–GROUNDING DETAIL

(NOT TO SCALE)

GEWALT HAMILTON ASSOCIATES, INC. TS SHT NO. 12

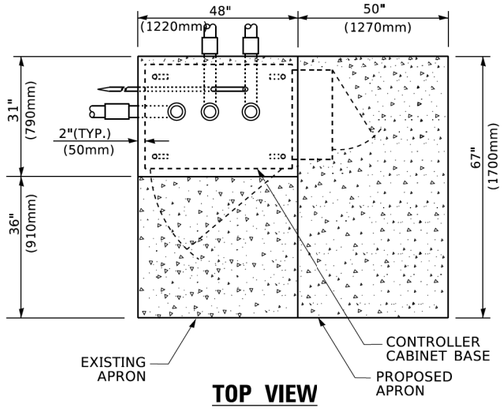
FILE NAME = IDOT-StdDetails.dgn 4425 IDOT D1 STANDARD TS05d	USER NAME = mcobb	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 1:2	CHECKED -	REVISED -
	PLOT DATE = 10/21/2020	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

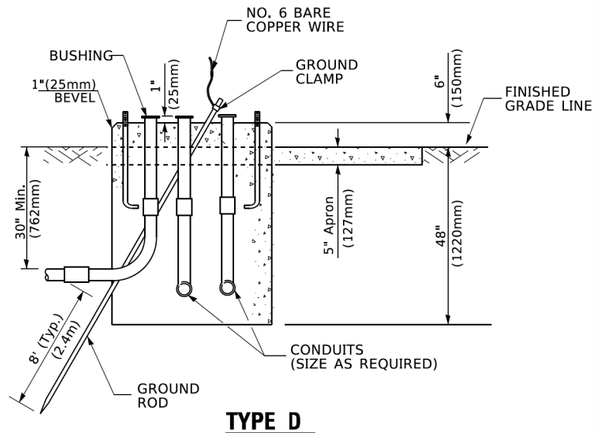
DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: NONE | SHEET 4 OF 7 SHEETS | STA. | TO STA.

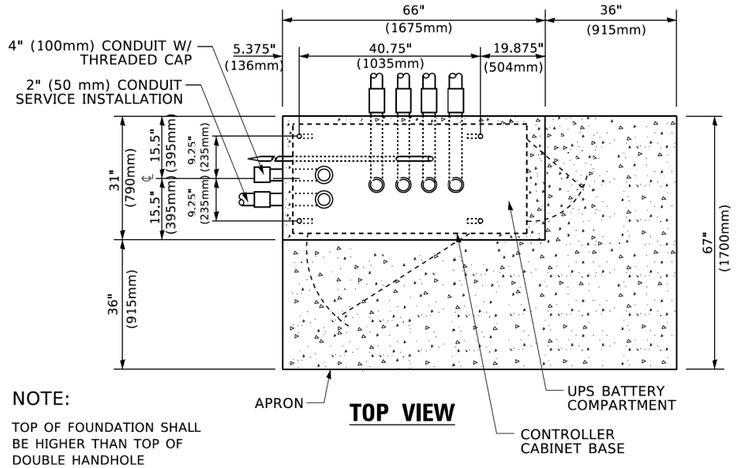
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	12-00089-00-PK	COOK	90	62
	TS-05	CONTRACT NO. 61E91		
	ILLINOIS FED. AID PROJECT			



TOP VIEW



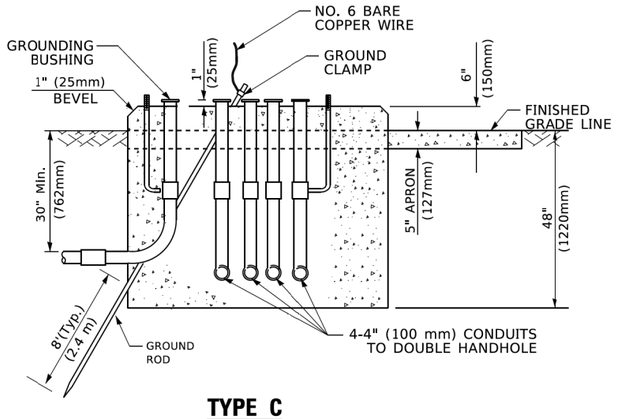
TYPE D
FOR GROUND MOUNTED
CONTROLLER CABINET
AND UPS BATTERY CABINET



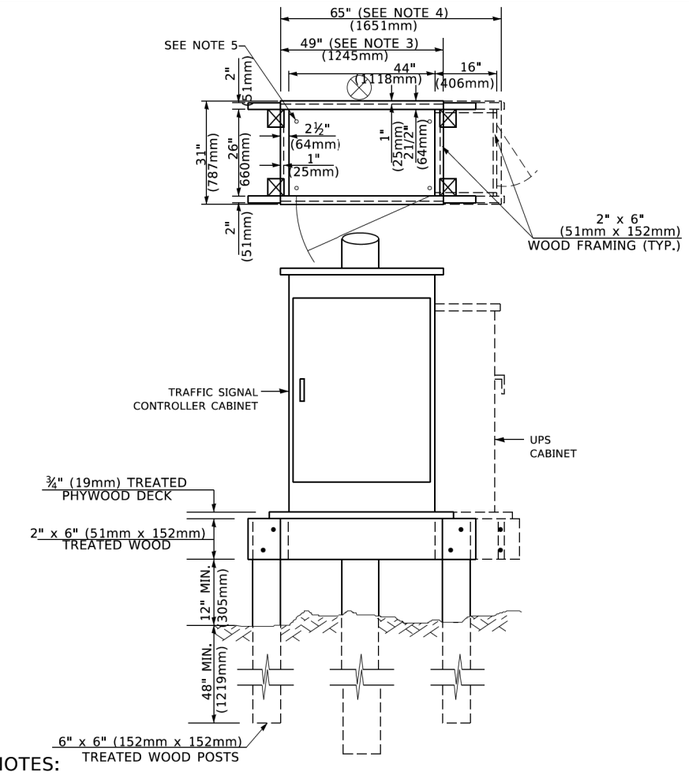
NOTE:

TOP OF FOUNDATION SHALL BE HIGHER THAN TOP OF DOUBLE HANDHOLE

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)
	11'-0" (3.4 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 40' (12.2 m) and less than 50' (15.2 m)	13'-0" (4.0 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 50' (15.2 m) and up to 55' (16.8 m)	15'-0" (4.6 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 56' (16.8 m) and less than 65' (19.8 m)	21'-0" (6.4 m)	42" (1060mm)	36" (900mm)	16	8(25)
Greater than or equal to 65' (19.8 m) and up 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

GEWALT HAMILTON ASSOCIATES, INC. TS SHT NO. 13

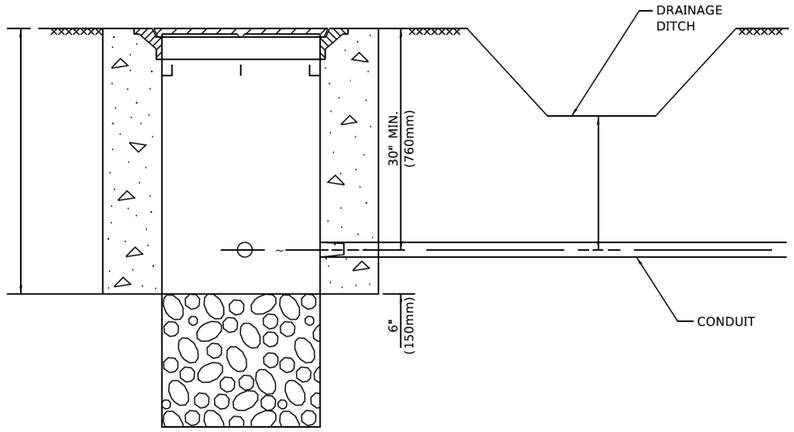
FILE NAME = IDOT-StdDetails.dgn 4425 IDOT D1 STANDARD TS05e	USER NAME = mcobb	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 1:2	CHECKED -	REVISED -
	PLOT DATE = 10/21/2020	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: NONE | SHEET 5 OF 7 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	12-00089-00-PK	COOK	90	63
	TS-05	CONTRACT NO. 61E91		
	ILLINOIS FED. AID PROJECT			

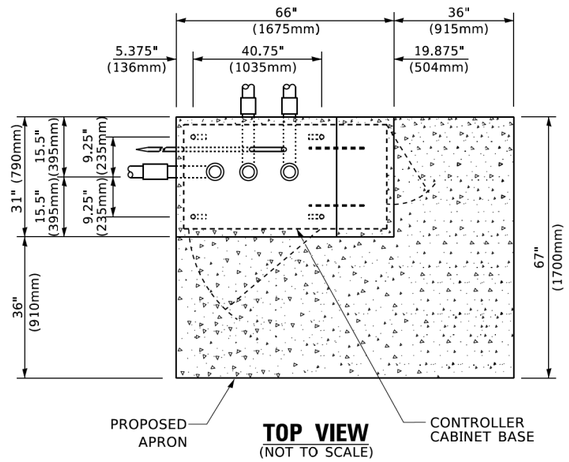


NOTES:

1. CONDUIT DEPTH SHALL BE A MINIMUM OF 30" (760mm) BELOW THE BOTTOM OF THE DRAINAGE DITCH OR ANY SLOPING GROUND
2. THE MINIMUM CONDUIT DEPTH APPLIES TO ALL CONDUIT PLACED UNDER ROADWAY PAVEMENT, MULTI-USE PATHS, SIDEWALKS AND SOIL SURFACES.
3. THE MINIMUM CONDUIT DEPTH APPLIES TO ALL HANDHOLES, HEAVY DUTY HANDHOLES AND DOUBLE HANDHOLES.

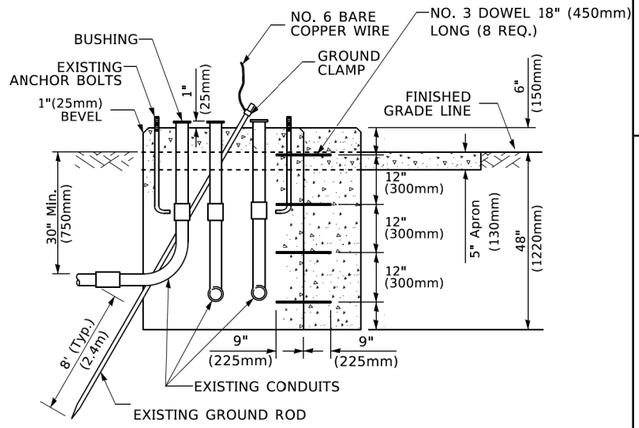
HANDHOLE WITH MINIMUM CONDUIT DEPTH

(NOT TO SCALE)



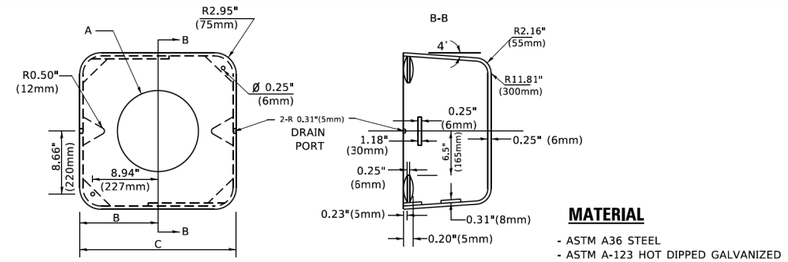
TOP VIEW

(NOT TO SCALE)



MODIFY EXISTING TYPE "D" FOUNDATION TO TYPE "C" FOUNDATION

(NOT TO SCALE)



MATERIAL

- ASTM A36 STEEL
- ASTM A-123 HOT DIPPED GALVANIZED

A	B	C	HEIGHT	WEIGHT
VARIES	9.5"(241mm)	19"(483mm)	7" (178mm) - 12" (300mm)	53 lbs (24kg)
VARIES	10.75"(273mm)	21.5"(546mm)	7" (178mm) - 12" (300mm)	68 lbs (31 kg)
VARIES	13.0"(330mm)	26"(660mm)	7" (178mm) - 12" (300mm)	81 lbs (37 kg)
VARIES	18.5"(470mm)	37"(940mm)	7" (178mm) - 12" (300mm)	126 lbs (57 kg)

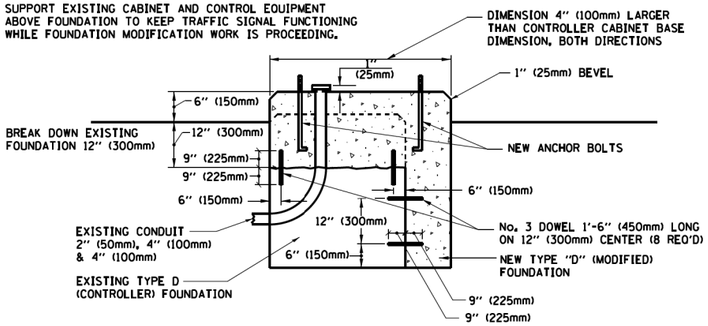
SHROUD

NOTES:

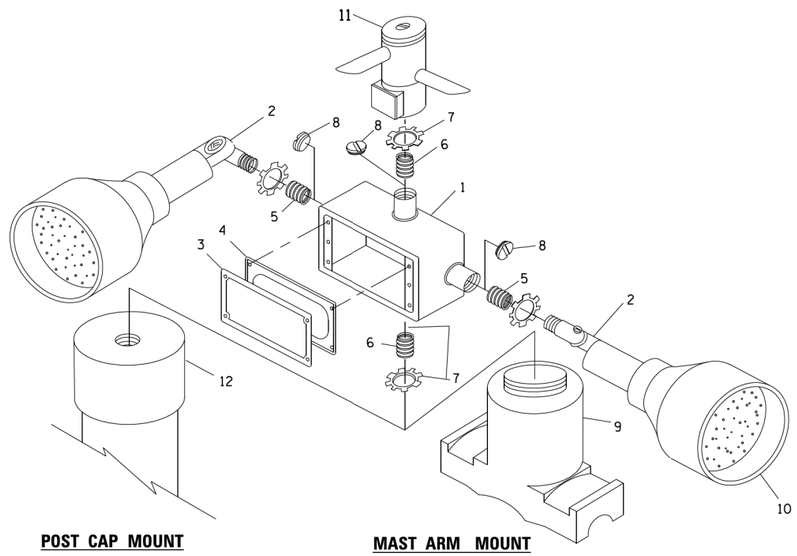
1. DIMENSION "A" IS EQUAL TO THE DIAMETER OF THE MAST ARM POLE AT THE TOP OF THE SHROUD. THE SHROUD SHALL BE TIGHT TO THE MAST ARM POLE.
2. THE SUPPLIER SHALL VERIFIED THE ABOVE DIMENSIONS BASED ON MAST ARM REQUIREMENTS.
3. THE HEIGHT OF THE SHROUD SHALL COVER THE ANCHOR BOLTS, NUTS AND MAST ARM POLE BASE.

NOTE:

SUPPORT EXISTING CABINET AND CONTROL EQUIPMENT ABOVE FOUNDATION TO KEEP TRAFFIC SIGNAL FUNCTIONING WHILE FOUNDATION MODIFICATION WORK IS PROCEEDING.



MODIFY EXISTING TYPE "D" FOUNDATION



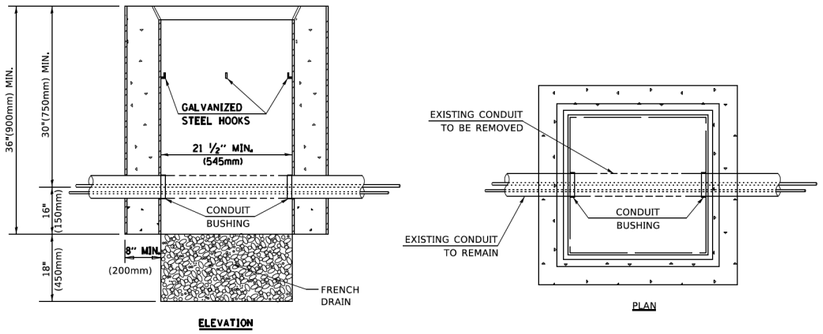
POST CAP MOUNT **MAST ARM MOUNT**

EMERGENCY VEHICLE DETECTOR WITH CONFIRMATION BEACON MOUNTING DETAIL

ITEM NO.	IDENTIFICATION
1	OUTLET BOX- GALV. 21 CU.IN. (0.000344 CU-M)
2	LAMP HOLDER AND COVER
3	OUTLET BOX COVER
4	RUBBER COVER GASKET
5	REDUCING BUSHING
6	¾"(19 mm) CLOSE NIPPLE
7	¾"(19 mm) LOCKNUT
8	¾"(19 mm) HOLE PLUG
9	SADDLE BRACKET - GALV.
10	6 WATT PAR 38 LED FLOOD LAMP
11	DETECTOR UNIT
12	POST CAP [18 FT. (5.4 m) POST MIN.]

NOTES:

1. ALL ELECTRICAL ITEMS, EXCEPT ITEMS #2 AND #11 SHALL BE ALUMINUM OR GALVANIZED
2. ITEM #1- OZ/GEDNEY FSX-1-50 OR EQUIVALENT
   ITEM #2- MULBERRY CON-O-SHADE LAMP SHIELD OR EQUIVALENT
   ITEM #9- "BAND-IT" SADDLE BRACKET OR EQUIVALENT
3. WHEN POST MOUNTING IS SPECIFIED, ITEM #9 SHALL NOT BE REQUIRED. THE DETECTION UNIT SHALL BE MOUNTED DIRECTLY ON TOP OF THE CAP BY DRILLING AND TAPPING A 3/4 "(19 mm) HOLE WITH PIPE THREADS. THE POST CAP SHALL EITHER BE SCREWED TO THE TOP OF THE POST OR A MINIMUM OF 3 TIGHTENING SCREWS SHALL BE REQUIRED ON EACH CAP.



ELEVATION PLAN

NOTES:

1. HANDHOLE CONSTRUCTED PER STATE STANDARD 814001.
2. REMOVAL OF THE EXISTING CONDUIT FROM THE HANDHOLE AND THE INSTALLATION OF THE CONDUIT BUSHINGS SHALL BE INCLUDED WITH THE COST OF THE HANDHOLE.

HANDHOLE TO INTERCEPT EXISTING CONDUIT

GEWALT HAMILTON ASSOCIATES, INC. TS SHT NO.14

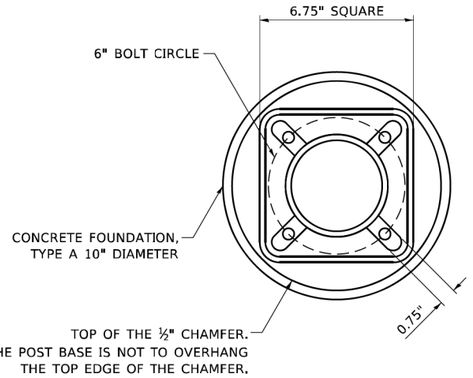
FILE NAME = IDOT-StdDetails.dgn 4425 IDOT D1 STANDARD TS05f	USER NAME = mcobb	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 1:2	CHECKED -	REVISED -
	PLOT DATE = 10/21/2020	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: NONE | SHEET 6 OF 7 SHEETS | STA. | TO STA.

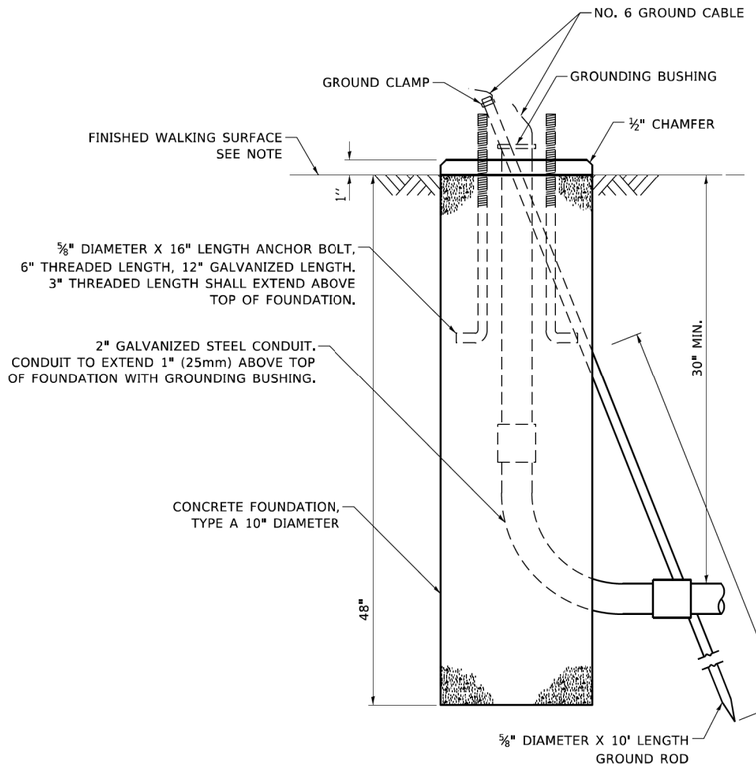
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	12-00089-00-PK	COOK	90	64
	TS-05	CONTRACT NO. 61E91		
	ILLINOIS FED. AID PROJECT			



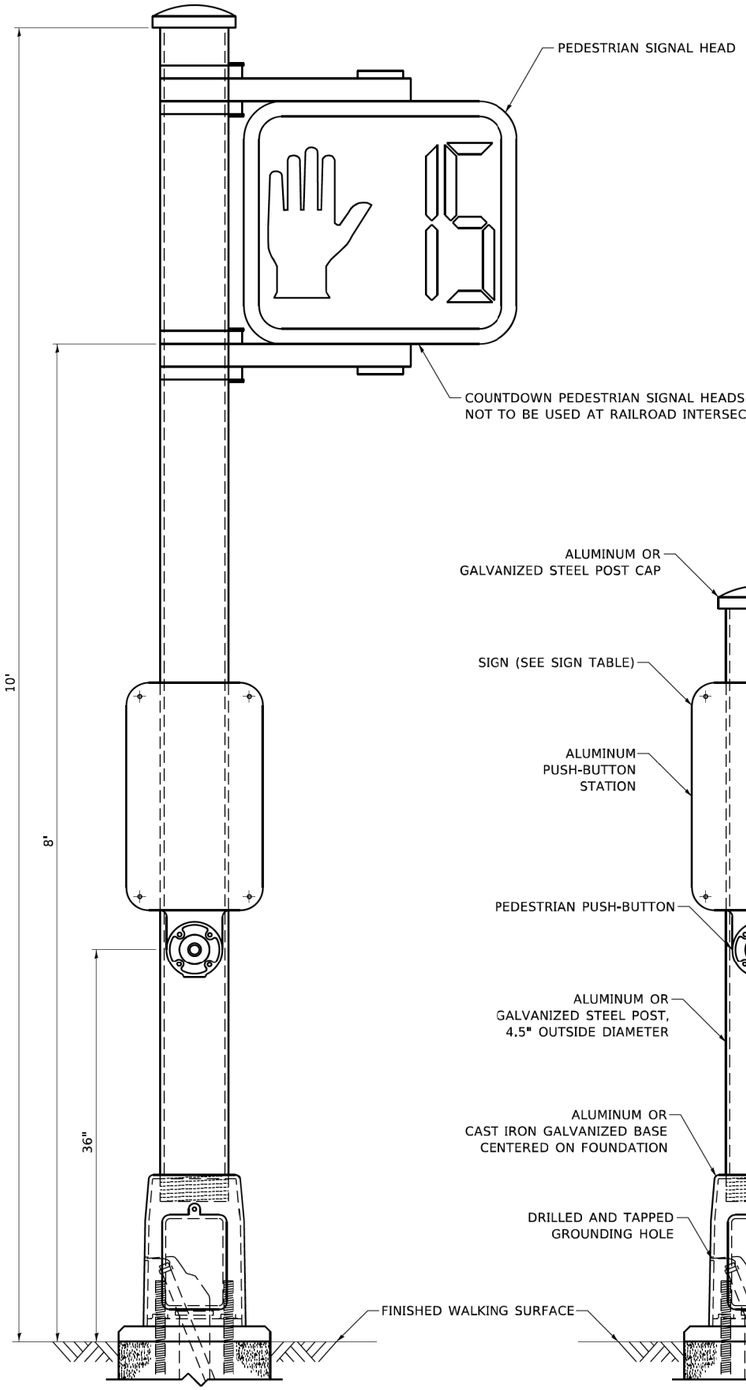
BOLT PATTERN

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.

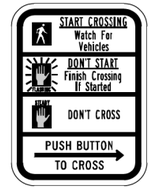


CONCRETE FOUNDATION, TYPE A 10–INCH DIAMETER



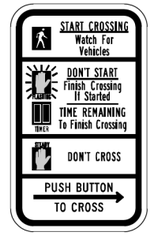
PEDESTRIAN SIGNAL POST, 10 FT.

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.

GEWALT HAMILTON ASSOCIATES, INC. TS SHT NO. 15

FILE NAME = IDOT-StdDetails.dgn 4425 IDOT DI STANDARD TS05g	USER NAME = mcobb	DESIGNED - JP	REVISED - JP 1/8/2020
		DRAWN - JP	REVISED -
	PLOT SCALE = 1:2	CHECKED - LP	REVISED -
	PLOT DATE = 10/21/2020	DATE - 10/15/2018	REVISED -

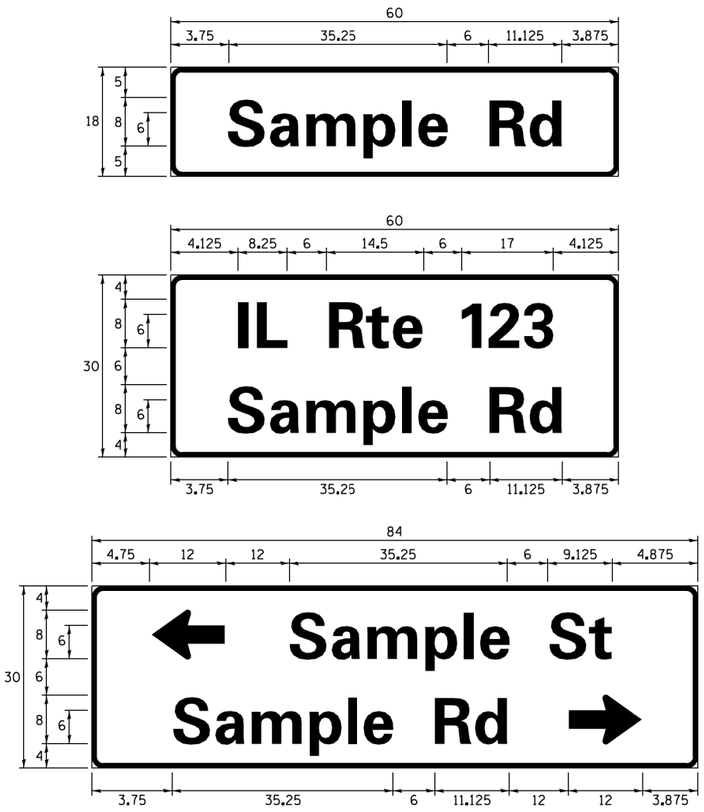
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: NONE | SHEET 7 OF 7 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	12-00089-00-PK	COOK	90	65
	TS-05	CONTRACT NO. 61E91		
	ILLINOIS FED. AID PROJECT			

SIGN PANEL – TYPE 1 OR TYPE 2



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
D OR C	-	1 OR 2	ZZ	-

ALL DIMENSIONS ARE IN INCHES EXCEPT NOTED OTHERWISE

COMMON STREET NAME ABBREVIATIONS AND WIDTHS

NAME	ABBREVATION	WIDTH (INCH)	
		SERIES "C"	SERIES "D"
AVENUE	Ave	15.000	18.250
BOULEVARD	Blvd	17.125	20.000
CIRCLE	Cir	11.125	13.000
COURT	Ct	8.250	9.625
DRIVE	Dr	8.625	10.125
HIGHWAY	Hwy	18.375	22.000
ILLINOIS	IL	7.000	8.250
LANE	Ln	9.125	10.750
PARKWAY	Pkwy	23.375	27.375
PLACE	Pl	7.125	7.750
ROAD	Rd	9.625	11.125
ROUTE	Rte	12.625	14.500
STREET	St	8.000	9.125
TERRACE	Ter	12.625	14.625
TRAIL	Tr	7.750	9.125
UNITED STATES	US	10.375	12.250

GENERAL NOTES

1. WHERE MAST ARM MOUNTED STREET NAME SIGNS ARE SPECIFIED, THE MAST ARM ASSEMBLY AND POLES SHALL BE DESIGNED TO SUPPORT THE LOADINGS CALLED FOR ON STANDARDS 877001, 877002, 877006, 877011 AND 877012, AS APPLICABLE, PLUS TWO (2) SIGN PANELS 2'-6" x 8'-0" MOUNTED AS SHOWN. THE DESIGN SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE CURRENT "STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES, AND TRAFFIC SIGNALS" AS PUBLISHED BY THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS FOR 80 M.P.H. WIND VELOCITY.

2. ALL SIGNS SHALL CONSIST OF A WHITE LEGEND AND BORDER (TYPE ZZ SHEETING) ON A GREEN BACKGROUND (TYPE ZZ SHEETING)

3. THE SIGN LENGTH SHALL BE IN 6-INCH INCREMENTS, BUT THE OVERALL LENGTH SHALL NOT EXCEED 8'-0". ALL BORDERS SHALL BE ¾" WIDE. CORNER RADIUS SHALL BE 1-7/8". THE SPACING BETWEEN THE WORDS SHOULD BE 6", IF POSSIBLE, BUT MAY BE REDUCED TO 5" WHEN SPACING IS CRITICAL. A MINIMUM OF 2-1/2" SHALL BE INCLUDED BETWEEN THE WORD AND THE RIGHT AND LEFT EDGES OF THE SIGN.

4. A PREFERRED METHOD FOR THE SIGN DESIGN IS TO USE SERIES "D" LETTER ON A ONE-LINE SIGN 18" IN HEIGHT AND A MAXIMUM OF 8'-0" IN WIDTH. IF SERIES "D" DOES NOT FIT ON A 8"-0" SIGN, THEN SERIES "C" SHOULD BE TRIED. IF SERIES "C" DOES NOT FIT ON A 8'-0" SIGN, A 30" HIGH TWO-LINE SIGN CAN BE USED. THE CROSSROAD DESIGNATION AS TO STREET, AVENUE, ETC. SHOULD BE SPELLED OUT ON THE SECOND LINE, IF THE ABBREVIATION CANNOT FIT ON THE FIRST LINE.

5. LED ILLUMINATED STREET NAME SIGNS CAN BE USED IN PLACE OF REGULAR SIGN PANELS BUT ANY SPECIAL WORDING AND SYMBOLOGY MUST BE APPROVED BY THE DEPARTMENT. GENERAL DESIGN REQUIREMENT AS LISTED ABOVE (COLOR, FONT, SIZE, ETC.) MUST BE FOLLOWED.

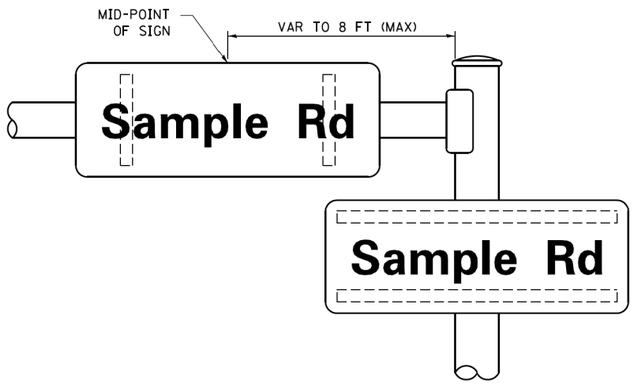
6. SIGNFIX ALUMINUM CHANNEL FRAMING SYSTEM SHALL BE USED FOR ALL SIGNS ATTACHED TO SIGNAL POLES AND POSTS.

LOCAL SUPPLIERS:	PARTS LISTING:	
- J.O. HERBERT COMPANY, INC MIDLOTHIAN, VA	SIGN CHANNEL	PART #HPN053 (MED. CHANNEL)
	SIGN SCREWS	1/4" x 14 x 1" H.W.H. #3 SELF TAPPING WITH NEOPRENE WASHER
- WESTERN REMAC, INC. WOODRIDGE, IL	BRACKETS	PART #HPN034 (UNIVERSAL) CHANNEL CLAMPS WITH STAINLESS STEEL STRAPPING

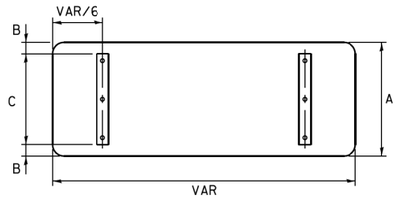
OTHER BRANDS OF MOUNTING HARDWARE ARE ACCEPTABLE, BASED UPON THE DEPARTMENT'S APPROVAL AND COMPATIBILITY WITH THE CHANNEL/BRACKET OF THE ABOVE PRODUCT.

MOUNTING LOCATION

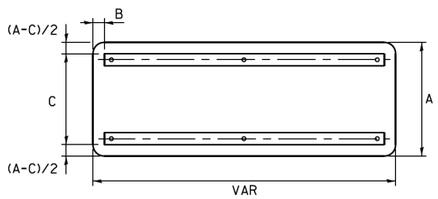
ARM OR POLE MOUNTED



SUPPORTING CHANNELS



A	B	C
18"	2"	14"
30"	2"	24"



A	B	C
18"	2"	12"
30"	2"	22"

STANDARD ALPHABETS SPACING CHART

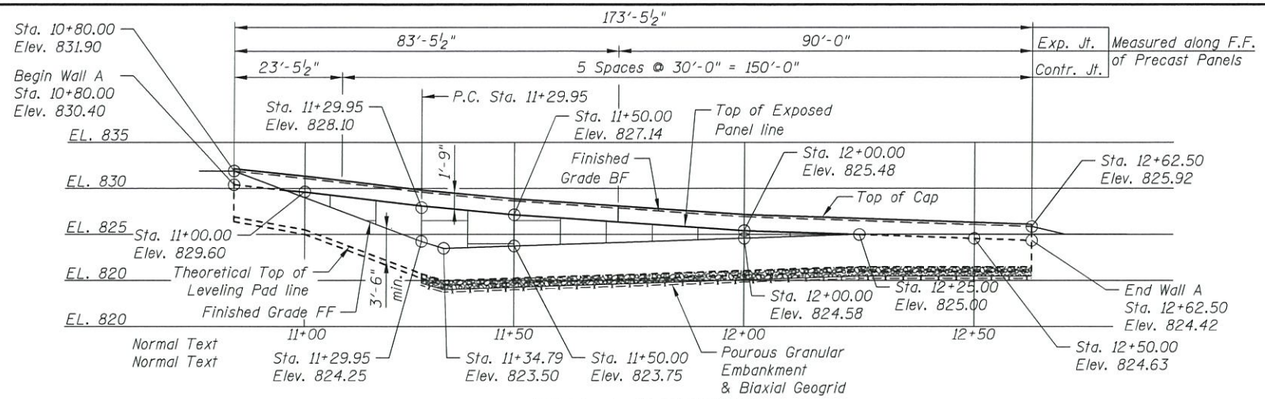
(8") UPPER CASE AND (6") LOWER CASE

FHWA SERIES "C"				FHWA SERIES "D"			
CHARACTER	LEFT SPACING (INCH)	WIDTH (INCH)	RIGHT SPACING (INCH)	CHARACTER	LEFT SPACING (INCH)	WIDTH (INCH)	RIGHT SPACING (INCH)
A	0.240	5.122	0.240	A	0.240	6.804	0.240
B	0.880	4.482	0.480	B	0.960	5.446	0.400
C	0.720	4.482	0.720	C	0.800	5.446	0.800
D	0.880	4.482	0.720	D	0.960	5.446	0.800
E	0.880	4.082	0.480	E	0.960	4.962	0.400
F	0.880	4.082	0.240	F	0.960	4.962	0.240
G	0.720	4.482	0.720	G	0.800	5.446	0.800
H	0.880	4.482	0.880	H	0.960	5.446	0.960
I	0.880	1.120	0.880	I	0.960	1.280	0.960
J	0.240	4.082	0.880	J	0.240	5.122	0.960
K	0.880	4.482	0.480	K	0.960	5.604	0.400
L	0.880	4.082	0.240	L	0.960	4.962	0.240
M	0.880	5.284	0.880	M	0.960	6.244	0.960
N	0.880	4.482	0.880	N	0.960	5.446	0.960
O	0.720	4.722	0.720	O	0.800	5.684	0.800
P	0.880	4.482	0.720	P	0.960	5.446	0.240
Q	0.720	4.722	0.720	Q	0.800	5.684	0.800
R	0.880	4.482	0.480	R	0.960	5.446	0.400
S	0.480	4.482	0.480	S	0.400	5.446	0.400
T	0.240	4.082	0.240	T	0.240	4.962	0.240
U	0.880	4.482	0.880	U	0.960	5.446	0.960
V	0.240	4.962	0.240	V	0.240	6.084	0.240
W	0.240	6.084	0.240	W	0.240	7.124	0.240
X	0.240	4.722	0.240	X	0.400	5.446	0.400
Y	0.240	5.122	0.240	Y	0.240	6.884	0.240
Z	0.480	4.482	0.480	Z	0.400	5.446	0.400
a	0.320	3.842	0.640	a	0.400	4.562	0.720
b	0.720	4.082	0.480	b	0.800	4.802	0.480
c	0.480	4.002	0.240	c	0.480	4.722	0.240
d	0.480	4.082	0.720	d	0.480	4.802	0.800
e	0.480	4.082	0.320	e	0.480	4.722	0.320
f	0.320	2.480	0.160	f	0.320	2.882	0.160
g	0.480	4.082	0.720	g	0.480	4.802	0.800
h	0.720	4.082	0.640	h	0.800	4.722	0.720
i	0.720	1.120	0.720	i	0.800	1.280	0.800
j	0.000	2.320	0.720	j	0.000	2.642	0.800
k	0.720	4.322	0.160	k	0.800	5.122	0.160
l	0.720	1.120	0.720	l	0.800	1.280	0.800
m	0.720	6.724	0.640	m	0.800	7.926	0.720
n	0.720	4.082	0.640	n	0.800	4.722	0.720
o	0.480	4.082	0.480	o	0.480	4.882	0.480
p	0.720	4.082	0.480	p	0.800	4.802	0.480
q	0.480	4.082	0.720	q	0.480	4.802	0.800
r	0.720	2.642	0.160	r	0.800	3.042	0.160
s	0.320	3.362	0.240	s	0.320	3.762	0.240
t	0.080	2.882	0.080	t	0.080	3.202	0.080
u	0.640	4.082	0.720	u	0.720	4.722	0.800
v	0.160	4.722	0.160	v	0.160	5.684	0.160
w	0.160	7.524	0.160	w	0.160	9.046	0.160
x	0.000	5.202	0.000	x	0.000	6.244	0.000
y	0.160	4.962	0.160	y	0.160	6.004	0.160
z	0.240	3.362	0.240	z	0.240	4.002	0.240
1	0.720	1.680	0.880	1	0.800	2.000	0.960
2	0.480	4.482	0.480	2	0.800	5.446	0.800
3	0.480	4.482	0.480	3	1.440	5.446	0.800
4	0.240	4.962	0.720	4	0.160	6.004	0.960
5	0.480	4.482	0.480	5	0.800	5.446	0.800
6	0.720	4.482	0.720	6	0.800	5.446	0.800
7	0.240	4.482	0.720	7	0.560	5.446	0.560
8	0.480	4.482	0.480	8	0.800	5.446	0.800
9	0.480	4.482	0.480	9	0.800	5.446	0.800
0	0.720	4.722	0.720	0	0.800	5.684	0.800
-	0.240	2.802	0.240	-	0.240	2.802	0.240

GEWALT HAMILTON ASSOCIATES, INC. TS SHT NO. 16

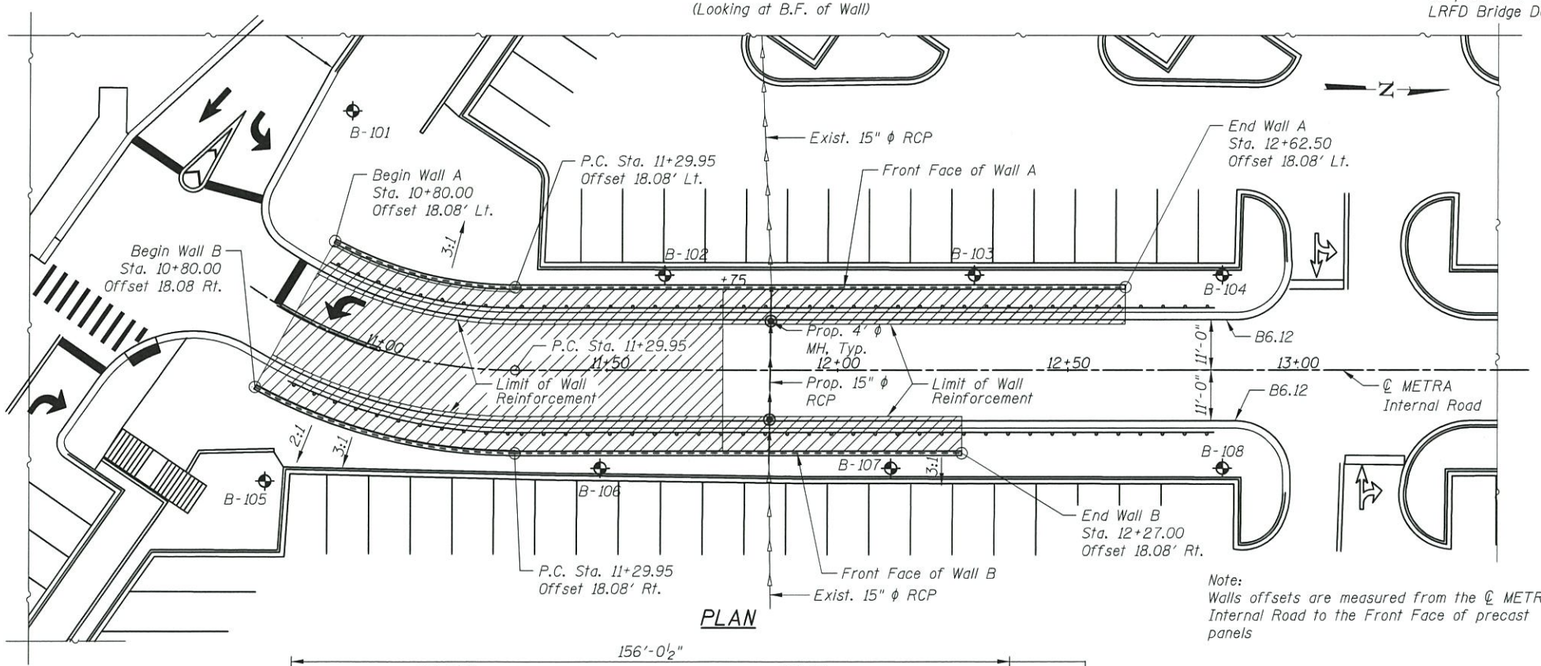
FILE NAME = IDOT-StdDetails.dgn 4425 IDOT DI STANDARD TS02	USER NAME = mcobb	DESIGNED - LP/IP	REVISED - LP 07/01/2015	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DISTRICT ONE MAST ARM MOUNTED STREET NAME SIGNS
		DRAWN - -ta\C\UPsheets\ts02.dgn	REVISED -		
	PLOT SCALE = 1:2	CHECKED - IP	REVISED -		SCALE: SHEET OF SHEETS STA. TO STA.
	PLOT DATE = 10/21/2020	DATE - 10/01/2014	REVISED -		

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	12-00089-00-PK	COOK	90	66
	TS-02	CONTRACT NO. 61E91		
	ILLINOIS FED. AID PROJECT			



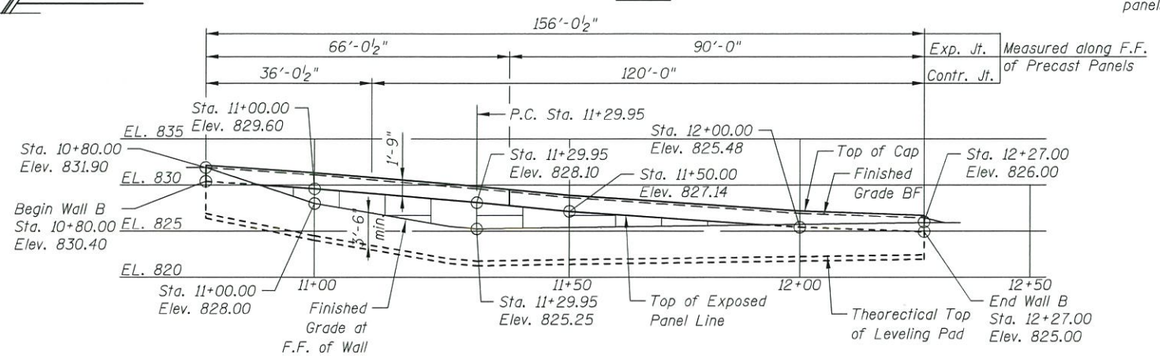
WALL A ELEVATION

(Looking at B.F. of Wall)



PLAN

Note:
Walls offsets are measured from the ℄ METRA Internal Road to the Front Face of precast panels



WALL B ELEVATION

(Looking at F.F. of Wall)

LEGEND

- Lightweight Cellular Concrete Fill
- Proposed Storm Sewer
- Existing Storm Sewer
- Soil Boring

CIVILTECH ENGINEERING, INC.
GREGORY J. HATLESTAD, S.E.

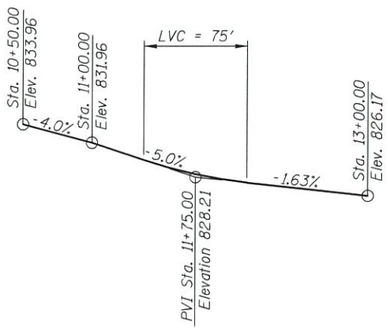
STATE OF ILLINOIS
GREGORY J. HATLESTAD
081-005562
LICENSED STRUCTURAL ENGINEER
CHICAGO, IL

GREGORY J. HATLESTAD, S.E.
081-005562

EXP 11-30-2020

DATE 11-15-2019

I certify that to the best of my knowledge, information, and belief, this wall design is structurally adequate for the design loading shown on the plans. The design is an economical one for the style of the structure and complies with requirements of the current AASHTO LRFD Bridge Design Specifications.



PROPOSED PROFILE

(Along ℄ METRA Internal Road)

GENERAL NOTES:

1. Design and installation of Mechanically Stabilized Earth Retaining Wall including Fill Reinforcement to be in accordance with Wall System Manufacturer Design Requirements and Specifications.

2. Leveling pad, soil reinforcement, concrete coping and design are included in cost of Mechanically Stabilized Earth Retaining Wall.

3. Protective Coat shall be applied to the designated areas of Concrete Coping.

4. Quantity for Lightweight Cellular Concrete Fill includes reinforced fill mass & fill area beneath roadway. Lightweight Cellular Concrete Fill shall meet Class III requirements (see Special Provisions).

5. For typical walls sections see Sheet W2.

6. Panels must be arranged to provide continuous vertical joints for the full height of the wall to accommodate potential differential settlement.

DESIGN SPECIFICATIONS

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

DESIGN STRESSES

FIELD UNITS

f'c = 4,000 psi
fy = 60,000 psi (Reinforcement)

PRECAST UNITS

f'c = 4,500 psi (Precast Panels)
fy = 60,000 psi (Reinforcement)
fy = 65,000 psi (Welded Wire Fabric)

TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
Porous Granular Embankment	Cu. Yd.	50
Structure Excavation	Cu. Yd.	975
Removal and Disposal of Unsuitable Material for Structures	Cu. Yd.	50
Protective Coat	Sq. Yd.	127
Mechanically Stabilized Earth Retaining Wall	Sq. Ft.	1,490
Biaxial Geogrid	Sq. Yd.	148
Lightweight Cellular Concrete Fill	Cu. Yd.	884

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Itasca, Illinois 60143
Tel: 630.773.3900 Fax: 630.773.3975
www.civiltechinc.com

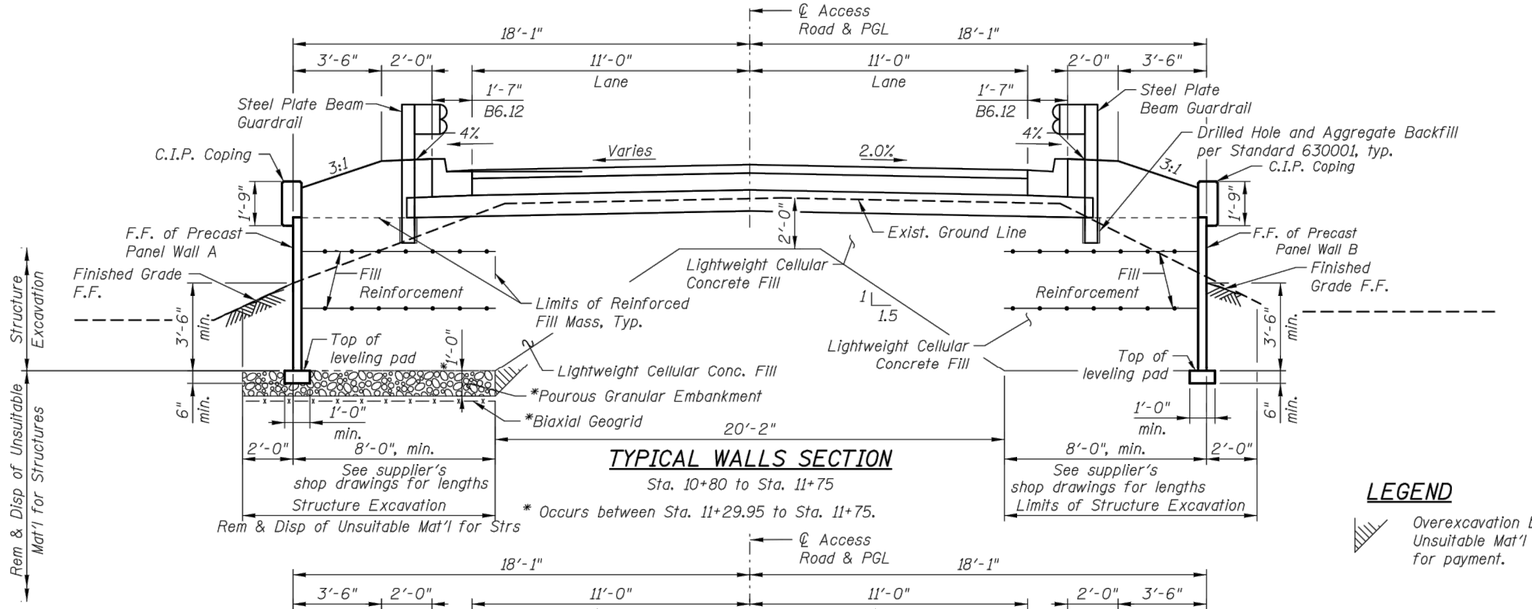
DRAWN	E. VAYSMAN	REVISED	-
DESIGNED	E. VAYSMAN	REVISED	-
CHECKED	G. HATLESTAD	REVISED	-
DATE	MARCH 3, 2020	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL PLAN & ELEVATION – WALLS A & B
U.S. RTE 14 (NORTHWEST HWY) AT METRA ACCESS
VILLAGE OF BARRINGTON, ILLINOIS
SHEET NO. W2 OF W1 SHEET

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	12-00089-00-PK	COOK	90	67
		CONTRACT NO. 61E91		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

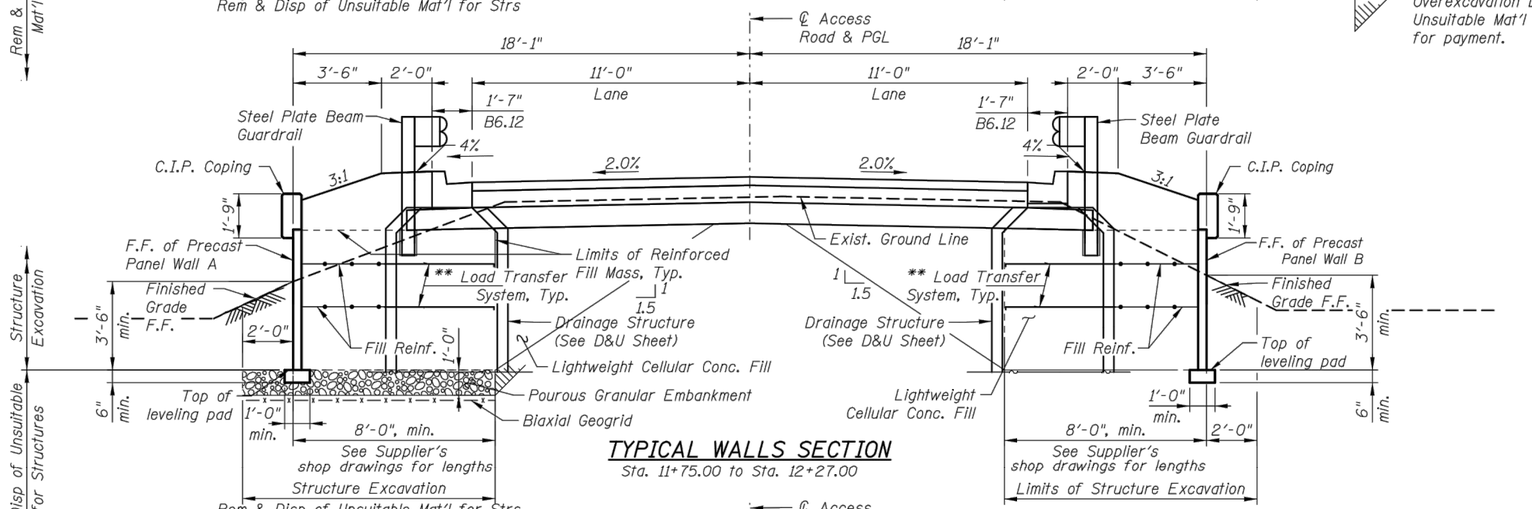
gjh 3/4/2020 8:16:28 AM J:\3166\cad\GPE Walls A & B.dgn



TYPICAL WALLS SECTION

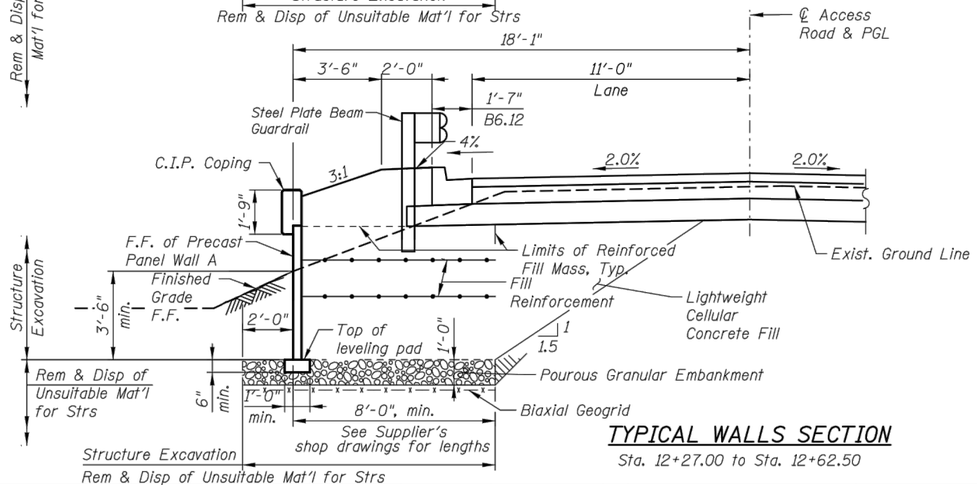
Sta. 10+80 to Sta. 11+75

* Occurs between Sta. 11+29.95 to Sta. 11+75.



TYPICAL WALLS SECTION

Sta. 11+75.00 to Sta. 12+27.00



TYPICAL WALLS SECTION

Sta. 12+27.00 to Sta. 12+62.50

** MSE wall supplier to design load transfer system to accommodate drainage structures.

LEGEND

Overexcavation beyond the limits of Rem & Disp of Unsuitable Mat'l for Strs. This area not measures for payment.

DESIGN SPECIFICATIONS

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

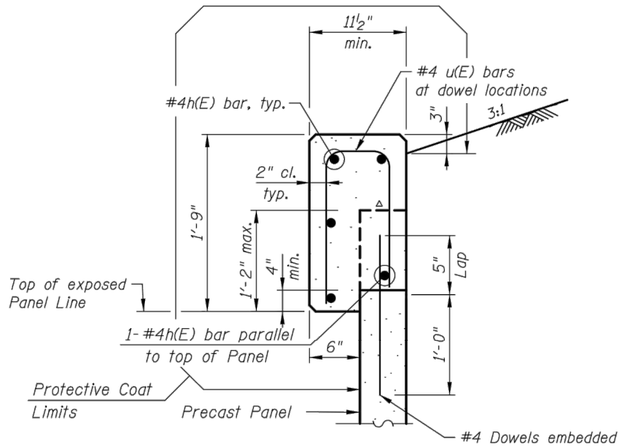
DESIGN STRESSES

FIELD UNITS

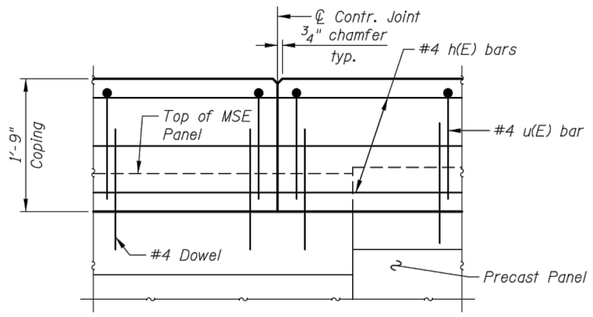
f'c = 4,000 psi
fy = 60,000 psi (Reinforcement)

PRECAST UNITS

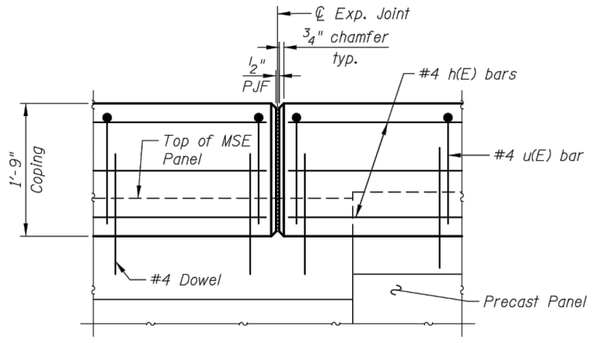
f'c = 4,500 psi (Precast Panels)
fy = 60,000 psi (Reinforcement)
fy = 65,000 psi (Welded Wire Fabric)



C.I.P. COPING DETAIL



COPING CONTRACTION JOINT - ELEVATION



COPING EXPANSION JOINT - ELEVATION

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

DRAWN - E. VAYSMAN	REVISED -	
DESIGNED - E. VAYSMAN	REVISED -	
CHECKED - G. HATLESTAD	REVISED -	
DATE - NOVEMBER 15, 2019	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL WALL SECTIONS & DETAILS – WALLS A & B
U.S. RTE 14 (NORTHWEST HWY) AT METRA ACCESS
VILLAGE OF BARRINGTON, ILLINOIS
SHEET NO. W2 OF W2 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	12-00089-00-PK	COOK	90	68
		CONTRACT NO.		61E91
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

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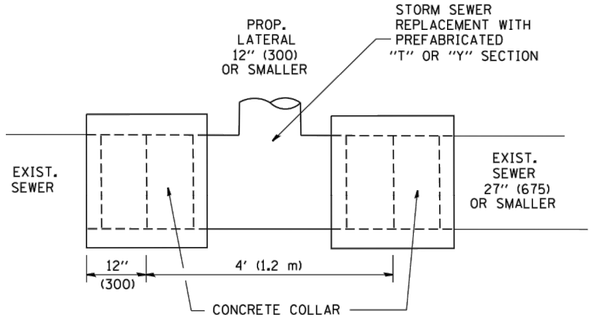
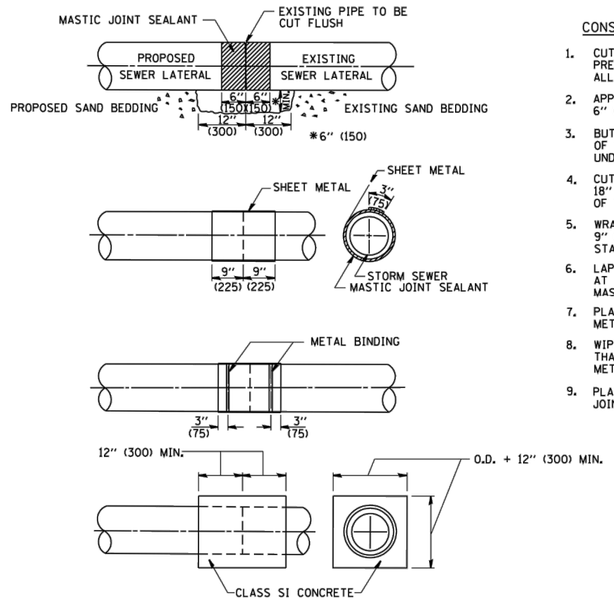


DETAIL "A"

LATERAL CONNECTION TO EXISTING SEWER
OF 27" (675) OR SMALLER

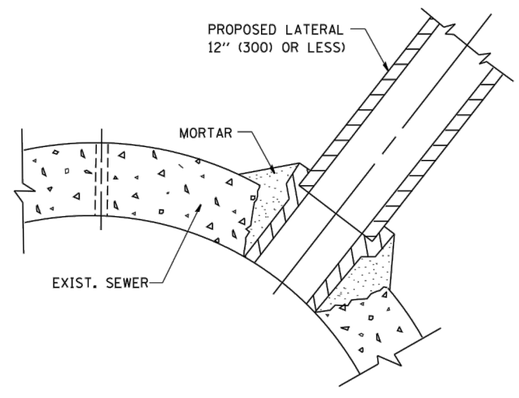


DETAIL "B"

CLASS SI CONCRETE COLLAR

CONSTRUCTION SEQUENCE

1. CUT THE EXISTING END OF THE PIPE SO AS TO PRESENT A FLUSH BUTT JOINT. BRUSH AND CLEAN ALL PIPES.
2. APPLY THE MASTIC JOINT SEALANT TO THE FIRST 6" (150) OF EACH PIPE.
3. BUTT THE PIPES TOGETHER LEAVING A MINIMUM OF 12" x 6" (300 x 150) DEEP EXCAVATION UNDER AND AROUND EACH PIPE END.
4. CUT A PIECE OF SHEET METAL GAGE NO. 19 1.1 (0.0418) 18" (450) WIDE BY THE OUTSIDE CIRCUMFERANCE OF THE PIPE PLUS 3" (75) LONG.
5. WRAP THE SHEET METAL AROUND THE PIPES, 9" (225) ON EACH SIDE OF THE JOINT, STARTING AT THE TOP OF THE PIPE.
6. LAP THE SHEET METAL AT LEAST 3" (75) AT THE TOP OF THE PIPE AND PLACE THE MASTIC JOINT SEALANT BETWEEN THE LAP.
7. PLACE TWO METAL BANDS AROUND THE SHEET METAL AND TIGHTEN.
8. WIPE OFF ANY EXCESS MASTIC JOINT SEALANT THAT OOZES OUT FROM BETWEEN THE SHEET METAL AND THE PIPES.
9. PLACE CLASS SI CONCRETE AROUND THE JOINT.



DETAIL "C"

PROPOSED LATERAL
CONNECTION TO EXISTING SEWER
OF 30" (750) OR LARGER

NOTES

MATERIAL

MATERIAL USED FOR THE TEE OR WYE SECTION SHALL BE COMPATIBLE WITH THE EXISTING STORM SEWER OR THE PROPOSED STORM SEWER.

CONSTRUCTION METHODS

I. THIS WORK SHALL BE CONSTRUCTED IN CONFORMANCE WITH THE APPLICABLE PORTIONS OF SECTION 550 OF THE STANDARD SPECIFICATIONS.

II. CONNECTION TO AN EXISTING STORM SEWER SHALL BE BY EITHER OF THE FOLLOWING METHODS:

A) PROPOSED STORM SEWER CONNECTION TO EXISTING SEWER OF 27" (675) OR SMALLER SEE DETAIL "A" AND "B".

B) PROPOSED STORM SEWER CONNECTION TO EXISTING SEWER OF 30" (750) OR LARGER SEE DETAIL "C".

IF THE EXISTING SEWER PIPE IS CRACKED, BROKEN OR OTHERWISE DAMAGED BY THE CONTRACTOR IN MAKING THE CIRCULAR OPENING, THE CONTRACTOR SHALL REPLACE THAT SECTION OF PIPE WITH PIPE EQUAL AND SIMILAR IN ALL RESPECTS TO THE PIPE IN THE EXISTING SEWER, IN A CAREFUL WORKMANLIKE MANNER, WITHOUT EXTRA COMPENSATION.

GENERAL

CARE MUST BE TAKEN TO PREVENT DEBRIS FROM ENTERING THE SEWER. ALL DEBRIS WHICH ENTERS THE SEWER MUST BE REMOVED. THE SEWER MUST BE LEFT CLEAN AND UNOBSTRUCTED UPON COMPLETION OF THE CONTRACT.

CARE MUST BE TAKEN TO PREVENT ANY PART OF THE NEW PIPE CONNECTION FROM PROJECTING INTO THE EXISTING SEWER.

BASIS OF PAYMENT

TEE OR WYE CONNECTIONS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR STORM SEWER TEE OR WYE OF THE TYPE AND SIZE SPECIFIED IN THE PLANS, THIS PRICE SHALL INCLUDE ALL EXCAVATION OF THE TRENCH, REMOVAL OF THE EXISTING STORM SEWER, FURNISHING AND INSTALLING THE SPECIFIED TEE OR WYE SECTION, FURNISHING AND INSTALLING THE REQUIRED CONCRETE COLLAR, AND ALL OTHER MATERIAL NECESSARY TO COMPLETE THIS WORK AS SHOWN AND SPECIFIED.

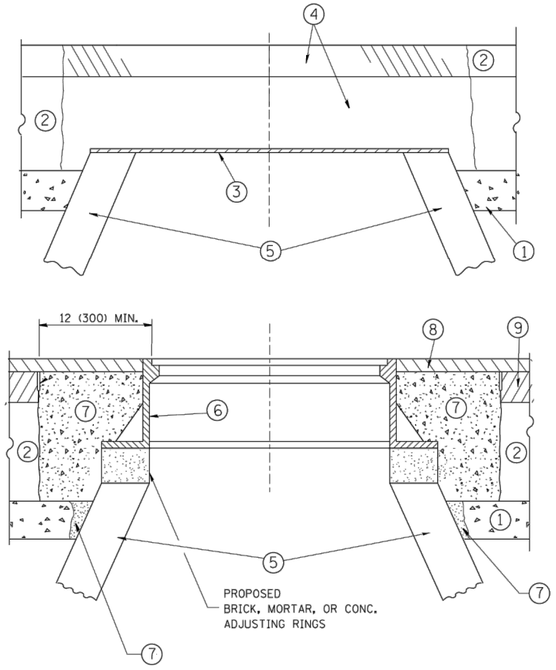
REMOVAL AND REINSTALLATION OF EXISTING STORM SEWER ADJACENT TO THE PROPOSED TEE OR WYE SECTION, FOR THE PURPOSE OF FACILITATING THE INSTALLATION OF THE TEE OR WYE SECTION, WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE WORK.

TRENCH BACKFILL, EXCAVATION IN ROCK AND REMOVAL AND REPLACEMENT OF UNSUITABLE MATERIAL BELOW PLAN BEDDING GRADE WILL BE PAID FOR SEPARATELY.

CONCRETE COLLAR FOR CONNECTING A PROPOSED STORM SEWER TO AN EXISTING STORM SEWER WILL NOT BE PAID PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF THE PROPOSED STORM SEWER.

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

FILE NAME = W:\diststd\22x34\bd07.dgn	USER NAME = gaglianobt	DESIGNED - M. DE YONG	REVISED - M. DE YONG 05-08-92	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETAIL OF STORM SEWER CONNECTION TO EXISTING SEWER			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED - R. SHAH 09-09-94					305	12-00089-00-PK	COOK	90	69
	PLOT SCALE = 50.000 ' / IN.	CHECKED -	REVISED - R. SHAH 10-25-94						BD500-01 (BD-7)		CONTRACT NO. 61E91	
	PLOT DATE = 1/4/2008	DATE - 07-25-90	REVISED - R. SHAH 06-12-96		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA. TO STA.	FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



CONSTRUCTION PROCEDURES

STAGE 1 (BEFORE PAVEMENT MILLING)

A) REMOVE A MINIMUM OF 12 (300) OF THE PAVEMENT FROM AROUND THE STRUCTURE.
B) REMOVE THE EXISTING FRAME AND LID FROM THE STRUCTURE.
C) COVER THE STRUCTURE OPENING WITH A 36 (900) DIAMETER METAL PLATE.
D) BACKFILL WITH CRUSHED STONE AND A MINIMUM 1½ (40) THICK HMA SURFACE MIX APPROVED BY THE ENGINEER.

STAGE 2 (AFTER PAVEMENT MILLING)

A) REMOVE THE HMA SURFACE MIX AND CRUSHED STONE.
B) INSTALL THE FRAME AND LID; ADJUST THE FRAME TO ITS FINAL SURFACE ELEVATION.
C) THE SURROUNDING SPACE SHALL BE FILLED WITH CLASS PP-1* CONCRETE TO THE ELEVATION OF THE SURFACE OF THE EXISTING BASE COURSE OR THE BINDER COURSE.

*UNLESS OTHERWISE SPECIFIED IN THE PLANS.

THE PROCEDURE EXPLAINED ABOVE SHALL CONFORM TO THE APPLICABLE PORTIONS OF SECTIONS 353, 406, 602, AND 603 OF THE STANDARD SPECIFICATIONS EXCEPT THAT "THE CONTRACTOR SHALL ADJUST THE STRUCTURES TO THE FINISHED PAVEMENT ELEVATION NO MORE THAN 5 CALENDAR DAYS PRIOR TO PLACEMENT OF THE FINAL LIFT OF SURFACE UNLESS APPROVED BY THE ENGINEER."

LEGEND

1. SUB-BASE GRANULAR MATERIAL
2. EXISTING PAVEMENT
3. 36 (900) DIAMETER METAL PLATE
4. PROPOSED CRUSHED STONE AND HMA SURFACE MIX
5. EXISTING STRUCTURE
6. FRAME AND LID (SEE NOTES)
7. CLASS PP-1* CONCRETE
8. PROPOSED HMA SURFACE COURSE
9. PROPOSED HMA BINDER COURSE

NOTES:

EXISTING BROKEN FRAMES AND LIDS SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR AND SHALL BE REPLACED AS DIRECTED BY THE ENGINEER. REPLACEMENT FRAMES AND LIDS WILL BE PAID FOR IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS UNLESS A SEPARATE PAY ITEM HAS BEEN PROVIDED.

IF THE EXISTING LIDS ARE OPEN, THE FRAME WILL BE ADJUSTED TO THE ELEVATION OF THE MILLED PAVEMENT SURFACE PRIOR TO THE MILLING OPERATION. THE FRAME WILL NOT BE REMOVED AND COVERED BY THE METAL PLATE.

CITY OF CHICAGO CASTINGS ARE THE PROPERTY OF THE CITY AND THE CONTRACTOR SHALL NOTIFY THE CITY FOR REMOVAL AND DISPOSITION OF THE CASTINGS.

THE METAL PLATE USED TO COVER THE STRUCTURE SHALL REMAIN THE PROPERTY OF THE CONTRACTOR.

WHEN STRUCTURES ARE TO BE ADJUSTED OR RECONSTRUCTED, THE LOWERING AND RAISING OF THE FRAMES AND LIDS WILL NOT BE PAID FOR SEPARATELY BUT WILL BE INCLUDED IN THE COST OF THE CORRESPONDING PAY ITEM.

LOCATION OF STRUCTURES:

THE CONTRACTOR WILL BE REQUIRED TO KEEP A RECORD OF THE LOCATIONS OF THE BURIED STRUCTURES ACCORDING TO THE STATION AND DISTANCE LEFT OR RIGHT OF THE CENTERLINE OF PAVEMENT. UPON COMPLETION OF THE WORK, THE CONTRACTOR WILL DELIVER THE RECORD TO THE ENGINEER.

BASIS OF PAYMENT:

REMOVING FRAMES AND LIDS ON DRAINAGE AND UTILITY STRUCTURES IN THE PAVEMENT PRIOR TO MILLING, AND ADJUSTING TO FINAL GRADE PRIOR TO PLACING THE SURFACE COURSE, WILL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR "FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)."

THIS WORK WILL NOT BE PAID FOR WHEN DRAINAGE AND UTILITY STRUCTURES ARE SPECIFIED FOR PAYMENT AS STRUCTURE RECONSTRUCTION.

NEW FRAMES AND LIDS, WHEN SPECIFIED, WILL BE PAID FOR SEPARATELY.

DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

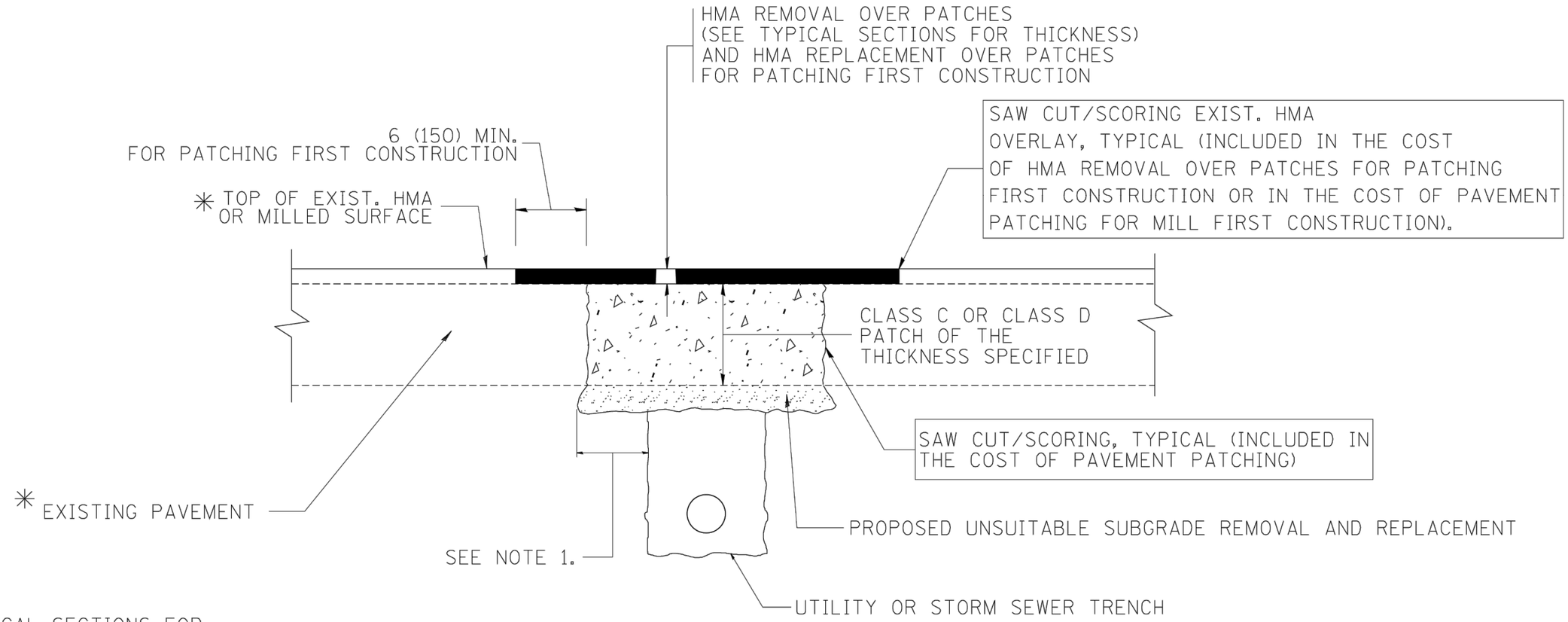
FILE NAME = c:\pw_work\pwidot\bauerdl\d0108315\bd08.dgn	USER NAME = bauerdl	DESIGNED - R. SHAH	REVISED - R. WIEDEMAN 05-14-04
		DRAWN -	REVISED - R. BORO 01-01-07
	PLOT SCALE = 1968.5000 ' / m	CHECKED -	REVISED - R. BORO 03-09-11
	PLOT DATE = 12/6/2011	DATE - 10-25-94	REVISED - R. BORO 12-06-11

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETAILS FOR
FRAMES AND LIDS ADJUSTMENT WITH MILLING

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	12-00089-00-PK	COOK	90	70
	BD600-03 (BD-8)	CONTRACT NO. 61E91		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



* SEE TYPICAL SECTIONS FOR THICKNESS AND MATERIALS

NOTES:

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

SEQUENCE OF CONSTRUCTION (PATCHING FIRST)

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

SEQUENCE OF CONSTRUCTION (MILLING FIRST)

1. MILL HMA FIRST IF THERE IS AT LEAST 4½ INCHES OR MORE OF HMA MATERIAL ON TOP OF THE EXISTING PAVEMENT OR IF THE PAVEMENT IS FULL DEPTH HMA. A MINIMUM OF 2 INCHES OF HMA MATERIAL SHALL BE IN PLACE AFTER MILLING.
2. REMOVE AND REPLACE WITH FULL DEPTH CLASS D PATCHES TO TOP OF MILLED SURFACE.

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

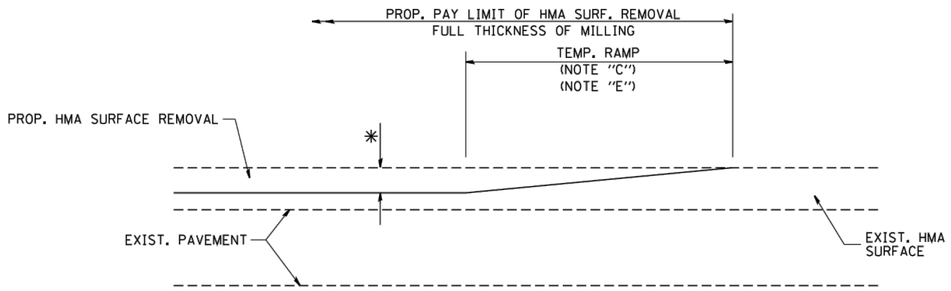
FILE NAME = c:\projects\diststd22x34\bd22.dgn	USER NAME = bauerdl	DESIGNED - R. SHAH	REVISED - A. ABBAS 04-27-98
		DRAWN -	REVISED - R. BORO 01-01-07
	PLOT SCALE = 50.000 ' / IN.	CHECKED -	REVISED - R. BORO 09-04-07
	PLOT DATE = 10/27/2008	DATE - 10-25-94	REVISED - K. ENG 10-27-08

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT

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

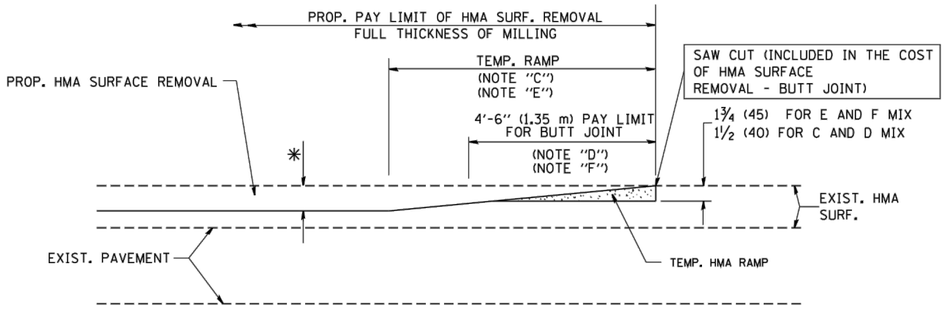
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	12-00089-00-PK	COOK	90	71
	BD400-04 (BD-22)	CONTRACT NO. 61E91		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



MILLED TEMPORARY RAMP

(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

OPTION 1

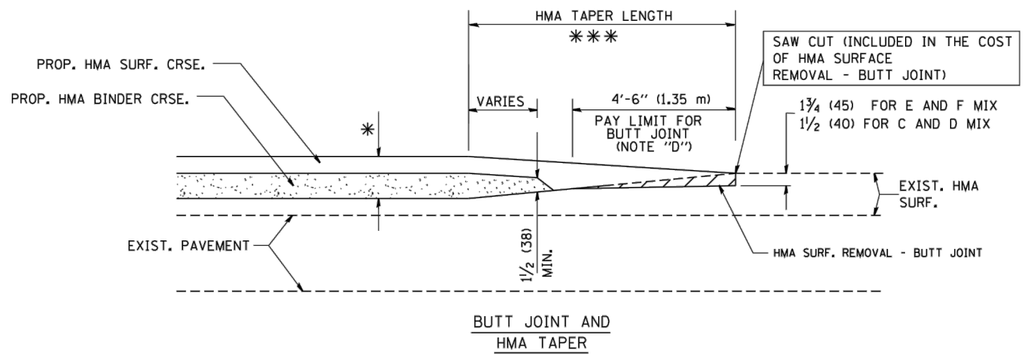


HMA CONSTRUCTED TEMPORARY RAMP

(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

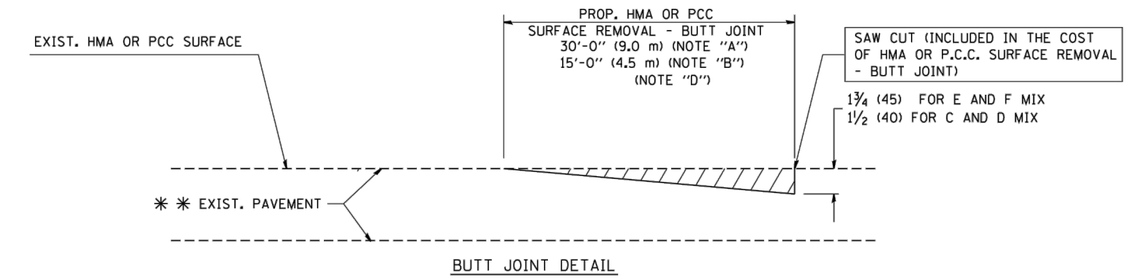
OPTION 2

TYPICAL TEMPORARY RAMP

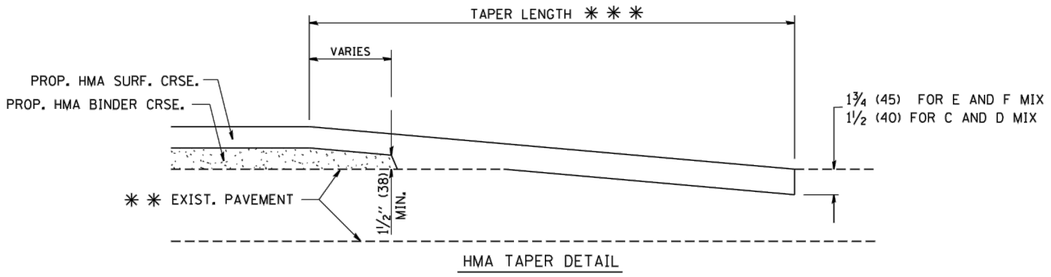


BUTT JOINT AND HMA TAPER

TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING



BUTT JOINT DETAIL



HMA TAPER DETAIL

TYPICAL BUTT JOINT AND HMA TAPER FOR RESURFACING ONLY

* * PC CONCRETE, HMA OR HMA RESURFACED PAVEMENT.

NOTES

A: MAINLINE ROADWAYS AND MAJOR SIDE ROADS.

B: MINOR SIDE ROADS.

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

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

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

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

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

* SEE TYPICAL SECTIONS FOR MILLING THICKNESS.

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

BASIS OF PAYMENT:

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

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

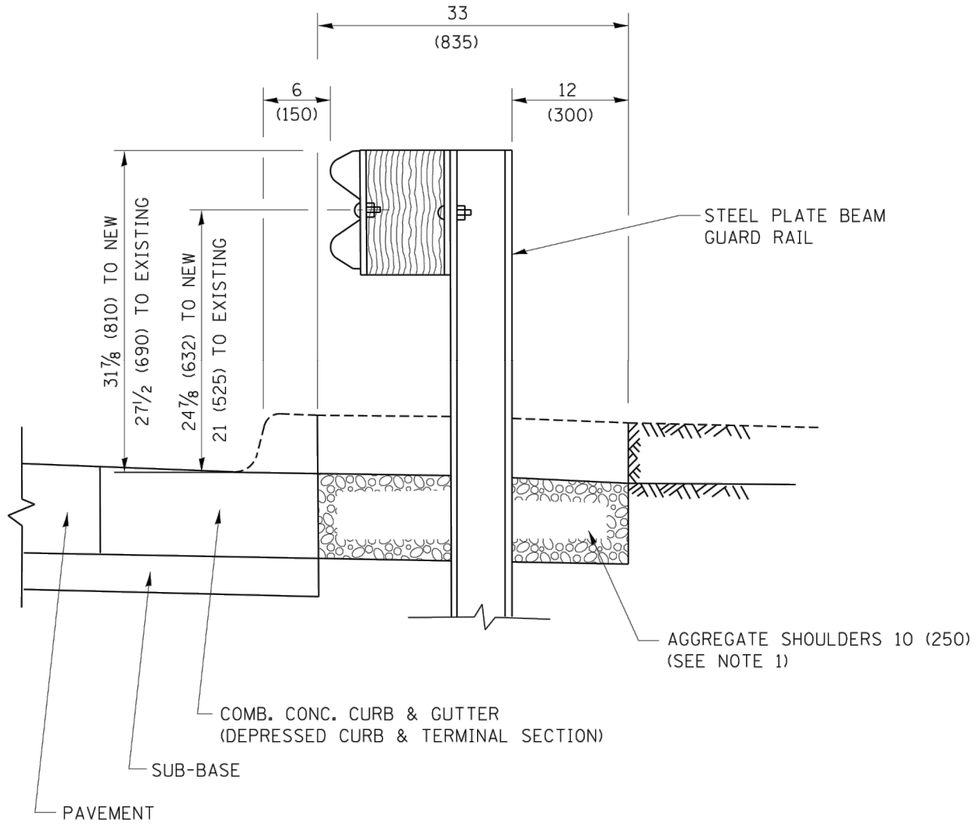
FILE NAME = W:\diststd\22x34\bd32.dgn	USER NAME = gaglianobt	DESIGNED - M. DE YONG	REVISED - R. SHAH 10-25-94
		DRAWN -	REVISED - A. ABBAS 03-21-97
	PLOT SCALE = 50.0000 ' / IN.	CHECKED -	REVISED - M. GOMEZ 04-06-01
	PLOT DATE = 1/4/2008	DATE - 06-13-90	REVISED - R. BORO 01-01-07

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BUTT JOINT AND HMA TAPER DETAILS

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	12-00089-00-PK	COOK	90	72
	BD400-05 BD32	CONTRACT NO. 61E91		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



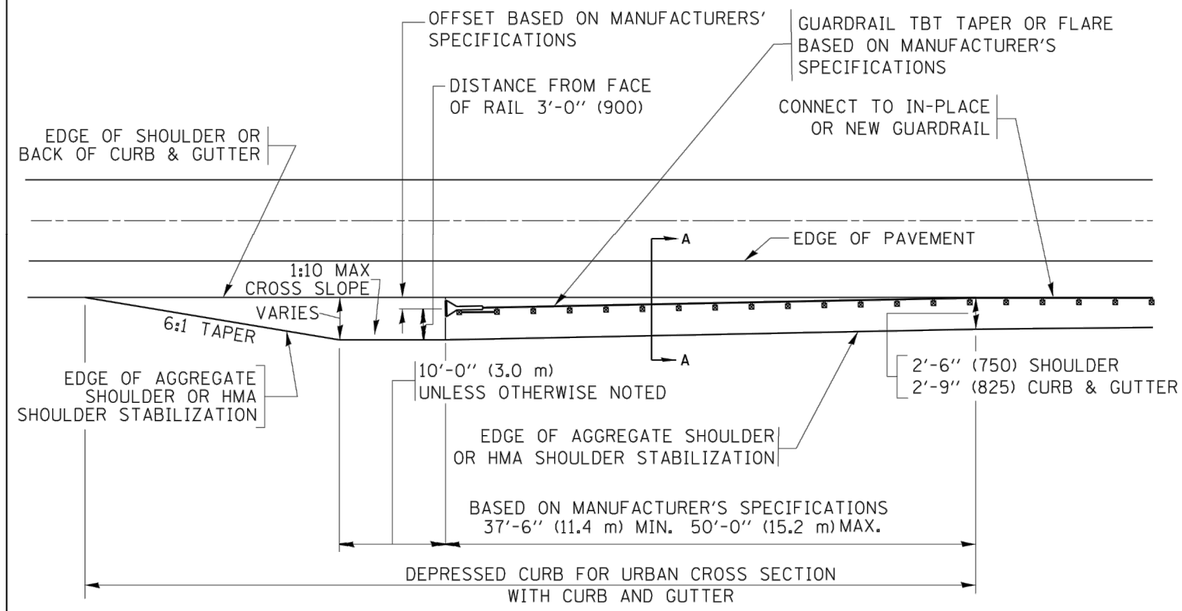
SECTION A-A

NOTES:

1. THE AGGREGATE SHOULDER, 10 (250) OR HMA SHOULDER, 6 (150) (IF REQUIRED) SHALL EXTEND UNDER THE TRAFFIC BARRIER TERMINAL.
2. "EXISTING" GUARDRAIL REFERS TO CONNECTING TERMINAL SECTION TO GUARD RAILING PRIOR TO THE MIDWEST GUARDRAIL SYSTEM.
3. THE CONTRACTOR SHALL VERIFY THE TYPE/HEIGHT OF GUARDRAIL IN-PLACE BEFORE ORDERING THE NEW TERMINAL SECTION. COST INCLUDED WITH THE COST OF THE TERMINAL. THE TERMINAL SECTION HEIGHT TO BE PLACED MUST MATCH THE HEIGHT OF THE IN-PLACE GUARDRAIL.

DETAILS FOR STEEL PLATE BEAM GUARD RAIL ADJACENT TO CURB AND GUTTER

[FOR ROADWAY SPEED 35 MPH (60 kmh) TO 45 MPH (70 kmh)]



DEPRESSED CURB AND GUTTER AND SHOULDER TREATMENT AT TBT TY. 1 SPL.

AGGREGATE SHOULDER, 10 (250) WILL BE PAID ACCORDING TO SECTION 481.

HMA SHOULDERS 6 (150) (IF REQUIRED) WILL BE PAID ACCORDING TO SECTION 482.

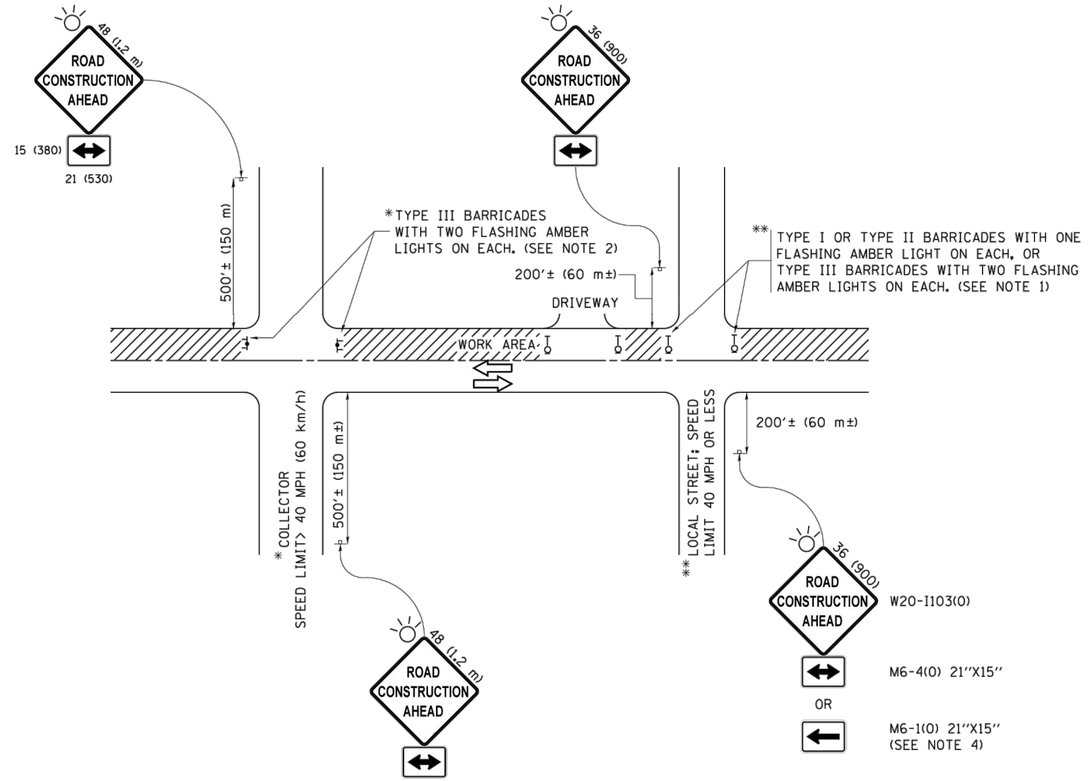
COMB. CONC. C&G, STEEL PLATE BEAM GUARD RAIL AND TRAFFIC BARRIER TERMINAL, OF THE TYPE SPECIFIED WILL BE PAID FOR SEPARATELY.

TBT = TRAFFIC BARRIER TERMINAL

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

FILE NAME = pw:\\IL084EBIDINTEG.illinois.gov:PWIDOT\Documents\IDOT Offices\District 1\Projects\Dist$DRAWN\CADData\CADsheets\bd34.dgn	USER NAME = drivakosgn	DESIGNED - M. DE YONG	REVISED - R. BORO 12-08-2008	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETAILS FOR DEPRESSED CURB & GUTTER AND SHOULDER TREATMENT AT TBT TY. 1 SPL.
	PLOT SCALE = 50.0000 '/ in.	CHECKED -	REVISED - R. BORO 09-14-2009		
Default	PLOT DATE = 12/21/2015	DATE - 09-22-90	REVISED - R. BORO 08-06-2012		
			REVISED - R. BORO 05-08-2015		SCALE: NONE | SHEET 1 OF 1 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	12-00089-00-PK	COOK	90	73
	BD600-10 (BD 34)	CONTRACT NO. 61E91		
	ILLINOIS FED. AID PROJECT			



NOTES:

1. SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
   a) ONE "ROAD CONSTRUCTION AHEAD" SIGN 36 x 36 (900x900) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.
   b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.
2. SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
   a) ONE "ROAD CONSTRUCTION AHEAD" SIGN 48 x 48 (1.2 m x 1.2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE OF THE MAIN ROUTE.
   b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.
3. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT.
4. WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).
5. WHEN WORK IS BEING PERFORMED ON A SIDE ROAD OR DRIVEWAY, FOLLOW THE APPLICABLE STANDARD(S). THE DIRECTIONAL ARROW (M6-1 OR M6-4) SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE TRAFFIC CONTROL SET-UP.
6. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAYS UNLESS OTHERWISE SPECIFIED IN THE PLANS OR BY THE ENGINEER.
7. THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

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

FILE NAME = pw:\\IL084EBIDINTEG.illinois.gov:PWIDOT\Documents\IDOT Offices\District 1\Projects\Dist\Default	USER NAME = footemj	DESIGNED - L.H.A.	REVISED - A. HOUSEH 10-15-96
	PLOT SCALE = 50.000 '/ in.	DRAWN	REVISED -T. RAMMACHER 01-06-00
	PLOT DATE = 9/15/2016	CHECKED -	REVISED - A. SCHUETZE 07-01-13
		DATE - 06-89	REVISED - A. SCHUETZE 09-15-16

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

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

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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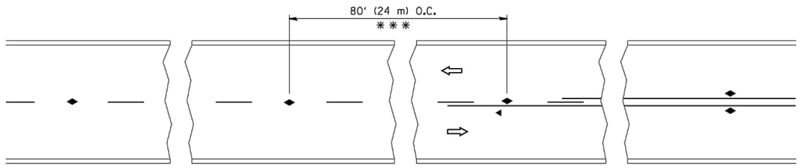
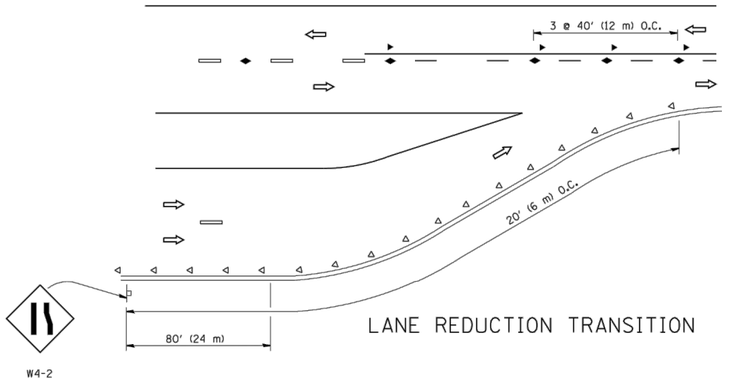
	TC-10	CONTRACT NO. 61E91		
	ILLINOIS FED. AID PROJECT			

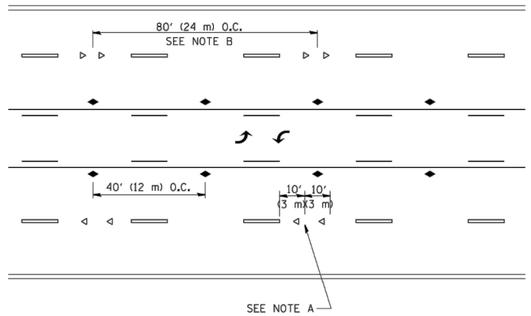


* * * REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

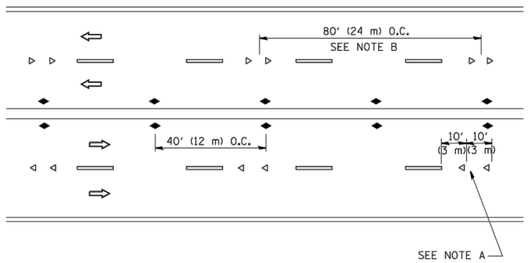
TWO-LANE/TWO-WAY



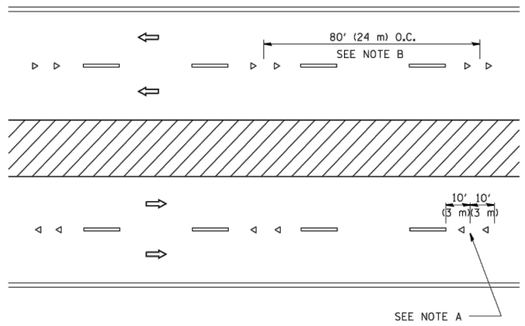
LANE REDUCTION TRANSITION



TWO-WAY LEFT TURN



MULTI-LANE/UNDIVIDED



MULTI-LANE/DIVIDED

GENERAL NOTES

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

SYMBOLS

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

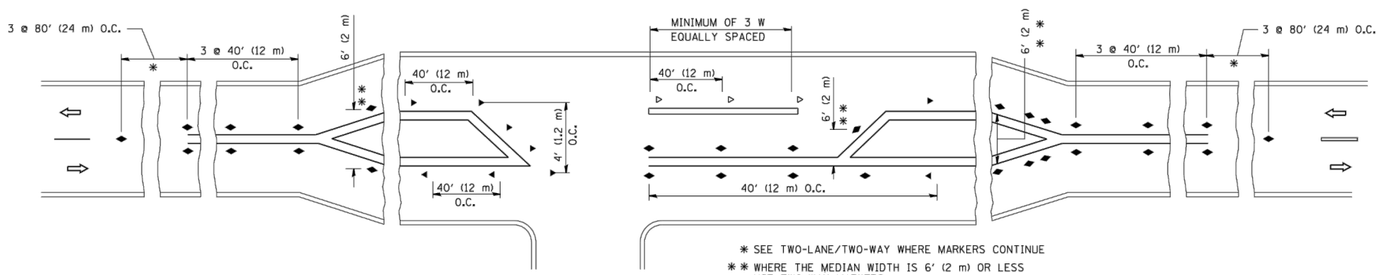
LANE MARKER NOTES

A. USE DOUBLE LANE LINE MARKERS SPACED AS SHOWN.

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

DESIGN NOTES

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



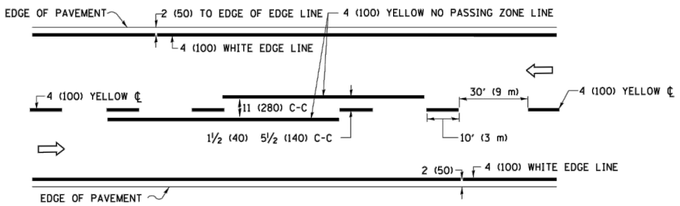
* SEE TWO-LANE/TWO-WAY WHERE MARKERS CONTINUE

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

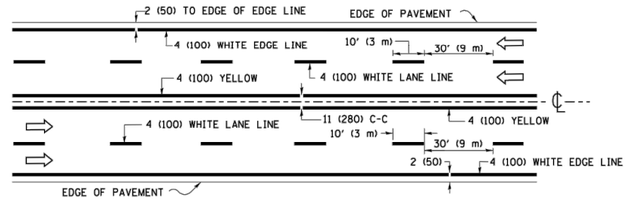
LEFT TURN

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

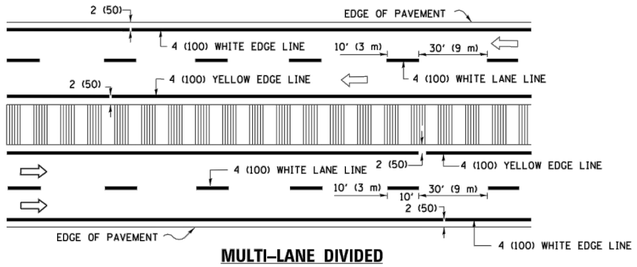
FILE NAME = c:\pw_work\pwidot\leysa\d0108315\tc11.dgn	USER NAME = leysa	DESIGNED -	REVISED - T. RAMMACHER 09-19-94	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED - T. RAMMACHER 03-12-99					305	12-00089-00-PK	COOK	90	75
	PLOT SCALE = 50.000 ' / IN.	CHECKED -	REVISED - T. RAMMACHER 01-06-00						TC-11	CONTRACT NO. 61E91		
	PLOT DATE = 3/2/2011	DATE -	REVISED - C. JUCIUS 09-09-09		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA. TO STA.	FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



2–LANE ROADWAY

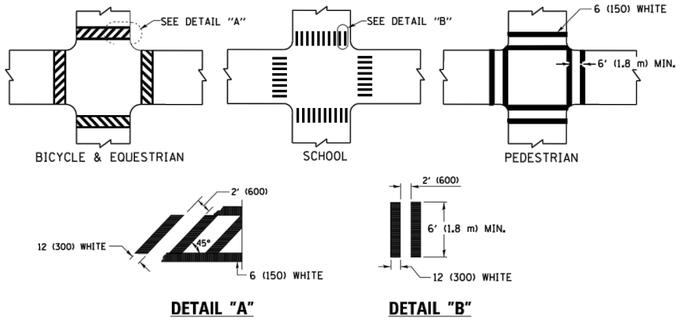


MULTI–LANE UNDIVIDED



MULTI–LANE DIVIDED
WITH MEDIAN

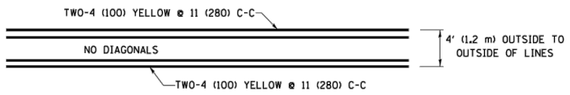
TYPICAL LANE AND EDGE LINE MARKING



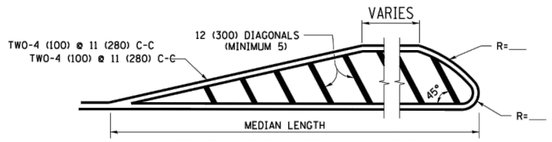
DETAIL "A" **DETAIL "B"**

TYPICAL CROSSWALK MARKING

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



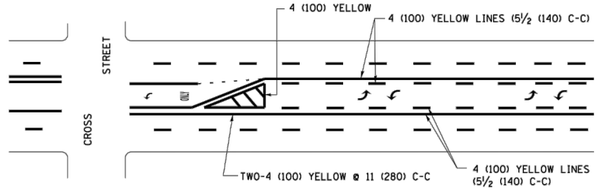
4' (1.2 m) WIDE MEDIANS ONLY



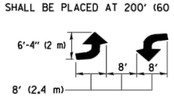
FOR MEDIAN LENGTHS WHERE DIAGONAL SPACING CANNOT BE ATTAINED, USE 5 (FIVE) EQUALLY SPACED DIAGONAL LINES.

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

MEDIANS OVER 4' (1.2 m) WIDE

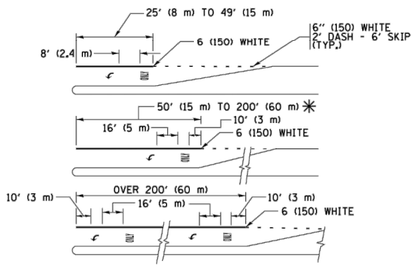


A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.



MEDIAN WITH TWO–WAY LEFT TURN LANE

TYPICAL PAINTED MEDIAN MARKING

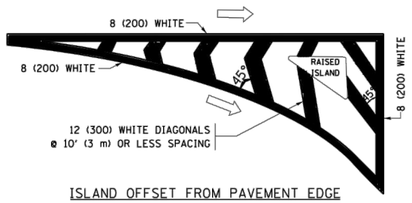


FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.
↰ AREA = 15.6 SQ. FT. (1.5 m²) ONLY AREA = 20.8 SQ. FT. (1.9 m²)

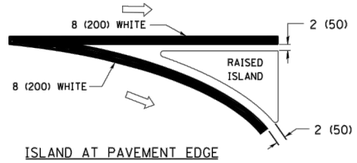
✳ TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING

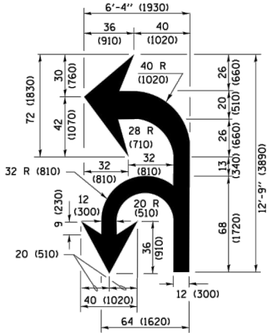


ISLAND OFFSET FROM PAVEMENT EDGE

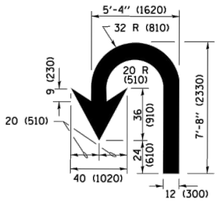


ISLAND AT PAVEMENT EDGE

TYPICAL ISLAND MARKING

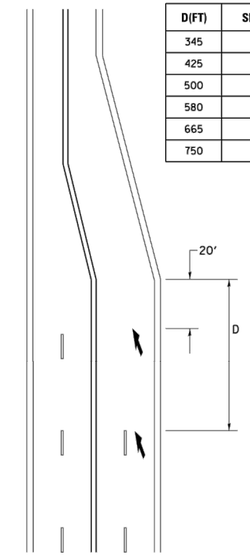


COMBINATION LEFT AND U–TURN



U–TURN

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



LANE REDUCTION TRANSITION

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

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING /REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 ⌀ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES: FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 ⌀ 4 (100)	SOLID SOLID	YELLOW YELLOW	5½ (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1.8 m) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MEDIANS IN YELLOW
TURN LANE MARKINGS	6 (150) LINE; FULL SIZE LETTERS & SYMBOLS (8' (2.4m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 ⌀ 4 (100) EACH DIRECTION 8' (2.4m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 5½ (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 ⌀ 6 (150) 12 (300) ⌀ 45° 12 (300) ⌀ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT. OTHERWISE, PLACE AT DESIRED STOPPING POINT. PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE
PAINTED MEDIANS	2 ⌀ 4 (100) WITH 12 (300) DIAGONALS ⌀ 45° NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS	SOLID	YELLOW: TWO WAY TRAFFIC WHITE: ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
GORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS ⌀ 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h)) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES; "RR" IS 6' (1.8 m) LETTERS; 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "R"=3.6 SQ. FT. (0.33 m²) EACH "X"=54.0 SQ. FT. (5.0 m2)
SHOULDER DIAGONALS (REQUIRED FOR SHOULDERS ≥ 8')	12 (300) ⌀ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (OVER 45MPH (70 km/h))
U TURN ARROW	SEE DETAIL	SOLID	WHITE	16.3 SF
2 ARROW COMBINATION LEFT AND U TURN	SEE DETAIL	SOLID	WHITE	30.4 SF

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

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

FILE NAME = W:\diststd\22x34\tc13.dgn	USER NAME = leysa	DESIGNED - EVERS	REVISED - C. JUCIUS 09-09-09	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DISTRICT ONE TYPICAL PAVEMENT MARKINGS
Default		DRAWN -	REVISED - C. JUCIUS 07-01-13		
	PLOT SCALE = 50.000 ' / in.	CHECKED -	REVISED - C. JUCIUS 12-21-15		SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.
	PLOT DATE = 6/23/2017	DATE - 03-19-90	REVISED - C. JUCIUS 04-12-16		

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	12–00089–00–PK	COOK	90	76
	TC–13	CONTRACT NO. 61E91		
	ILLINOIS FED. AID PROJECT			

TURN BAY ENTRANCE AT START OF LANE CLOSURE TAPER

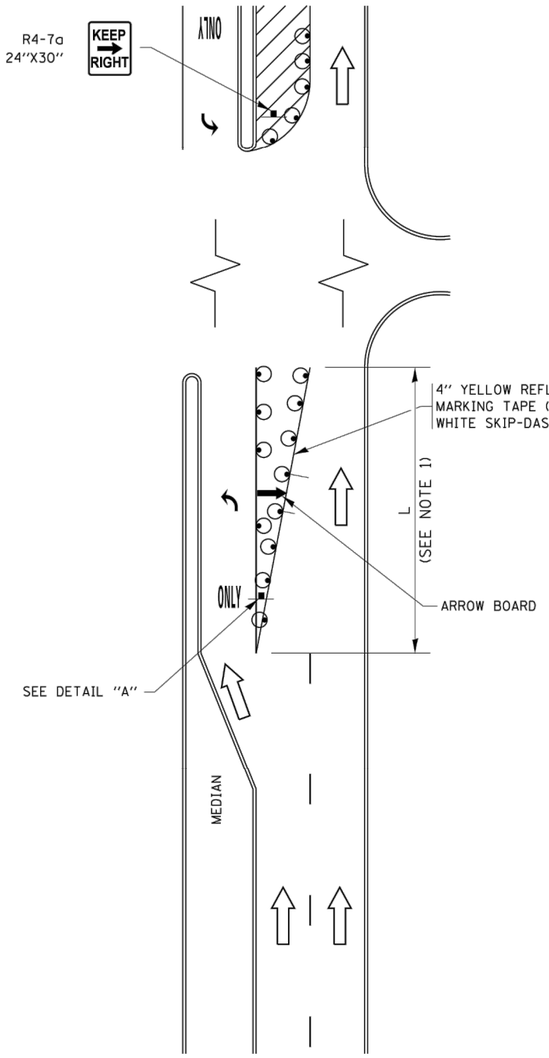


FIGURE 1

LEGEND

- WORK AREA
- LANE OPEN TO TRAFFIC
- ARROW BOARD
- TYPE I OR II BARRICADE OR DRUM WITH STEADY BURN LIGHT
- DRUM WITH STEADY BURN LIGHT
- SIGN ASSEMBLY
- TYPE I OR II CHECK BARRICADE WITH FLASHING LIGHT

NOTES:

1. A) WHEN "L" IS ≤ THE STORAGE LENGTH OF THE TURN LANE (AS SHOWN IN FIG. 1), USE FIGURE 1.

   B) WHEN "L" IS > THE STORAGE LENGTH OF THE TURN LANE OR THE TURN LANE IS WITHIN THE LANE CLOSURE, USE FIGURE 2.

2. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT.

3. LIGHTS WILL NOT BE REQUIRED ON BARRICADES OR DRUMS FOR DAY OPERATIONS. ALL LIGHTS SHALL BE MONODIRECTIONAL.

4. REFLECTIVE TEMPORARY PAVEMENT MARKINGS SHALL BE PLACED THROUGHOUT THE BARRICADED AREAS OF EACH TURN BAY AS SHOWN WHERE THE CLOSURE TIME IS GREATER THAN FOURTEEN (14) DAYS.

5. THIS APPLICATION ALSO APPLIES WHEN WORK IS BEING PERFORMED IN THE RIGHT LANE(S) AND THE RIGHT TURN BAY IS TO REMAIN OPEN. UNDER THIS CONDITION, "RIGHT TURN LANE" R3-110OR 24 x 24 (600 x 600) AND M6-2R 21 x 15 (530 x 380) SHALL BE USED.

6. THESE CONTROLS SHALL SUPPLEMENT MAINLINE TRAFFIC CONTROL FOR LANE CLOSURES.

7. THE SIGNS SHALL BE MOUNTED ABOVE THE BARRICADES/DRUMS ON SEPARATE SIGN SUPPORTS THAT MEET NCHRP 350 OR MASH PREQUIREMENTS.

8. TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

TURN BAY ENTRANCE WITHIN A LANE CLOSURE

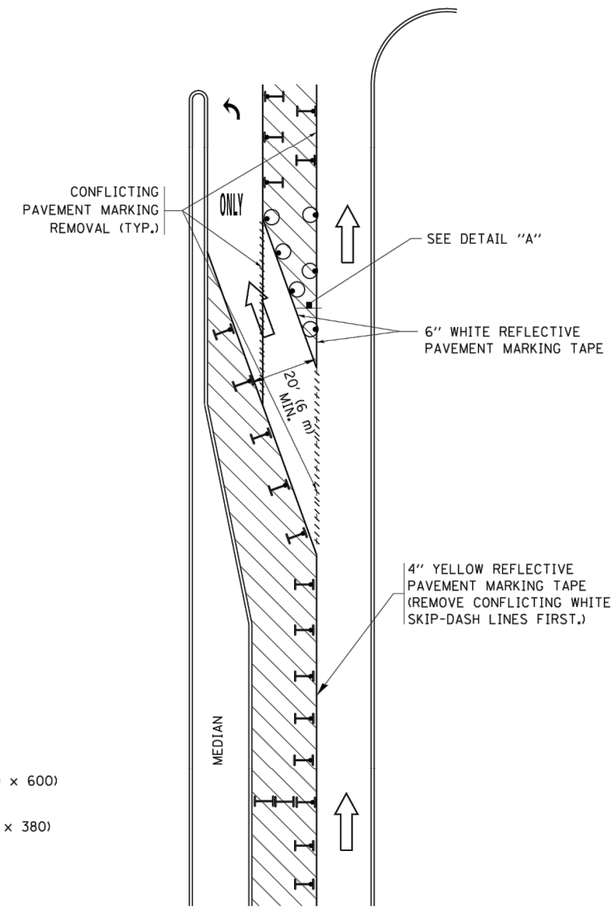
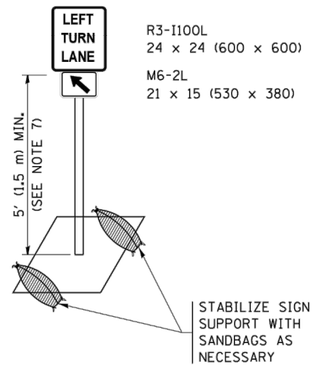


FIGURE 2



DETAIL A

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

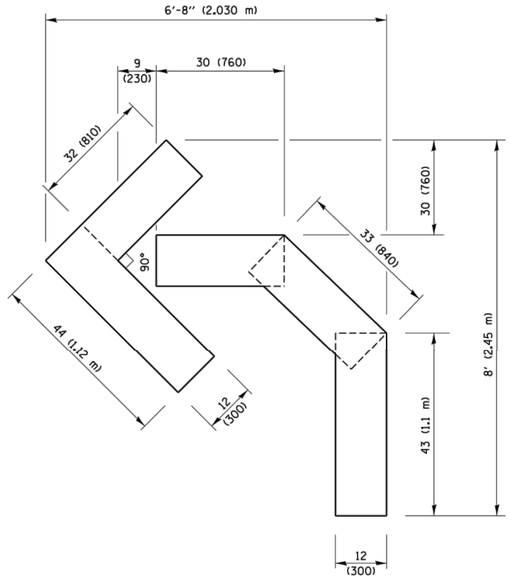
FILE NAME = pw:\\IL084EBIDINTEG.illinois.gov:PWIDOT\Documents\IDOT Offices\District 1\Projects\Dist...	USER NAME = footemj	REVISED -T. RAMMACHER 09-08-94	REVISED - R. BORO 09-14-09
		REVISED - A. HOUSEH 11-07-95	REVISED - A. SCHUETZE 07-01-13
	PLOT SCALE = 50.0000 ' / in.	REVISED - A. HOUSEH 10-12-96	REVISED - A. SCHUETZE 09-15-16
Default	PLOT DATE = 9/15/2016	REVISED -T. RAMMACHER 01-06-00	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

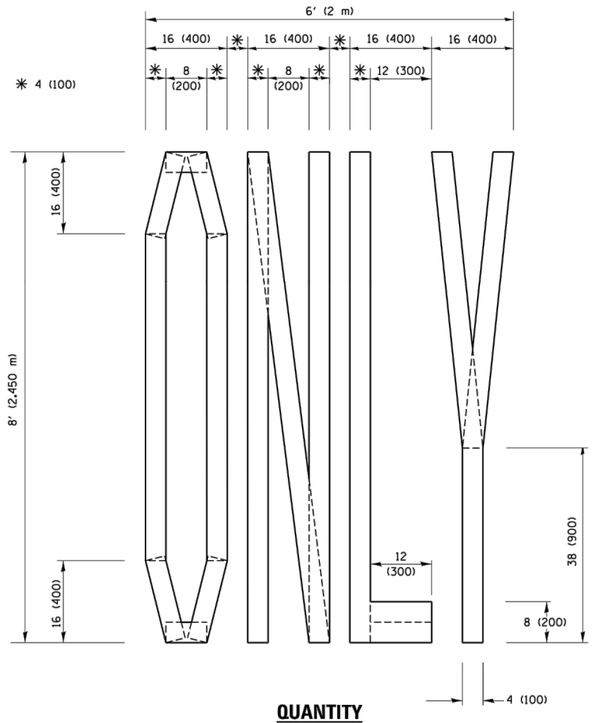
SCALE: NONE | SHEET 1 OF 1 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	12-00089-00-PK	COOK	90	77
	TC-14	CONTRACT NO. 61E91		
	ILLINOIS FED. AID PROJECT			



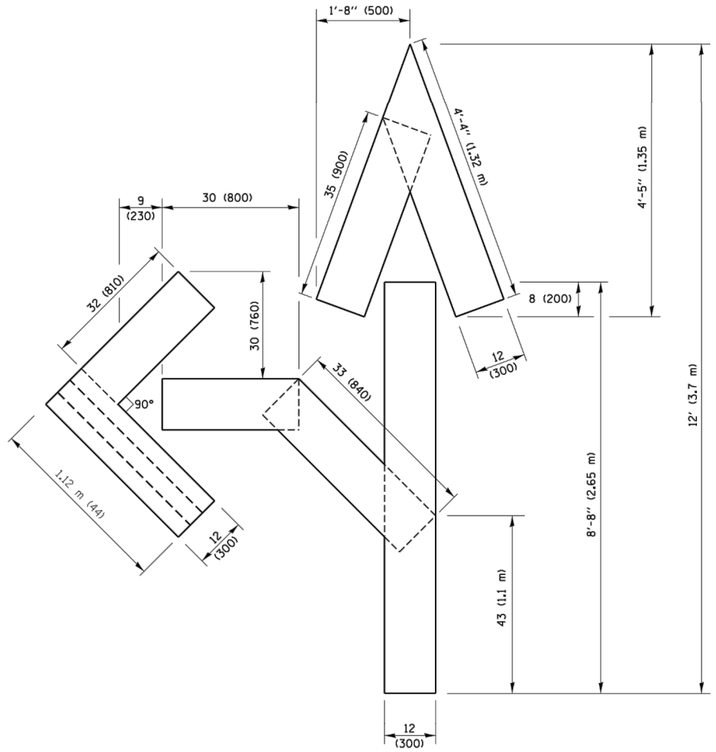
QUANTITY

4 (100) LINE = 45.5 ft. (13.9 m)
15.2 sq. ft. (1.41 sq. m)



QUANTITY

4 (100) LINE = 64.1 ft. (19.5 m)
21.4 sq. ft. (1.99 sq. m)

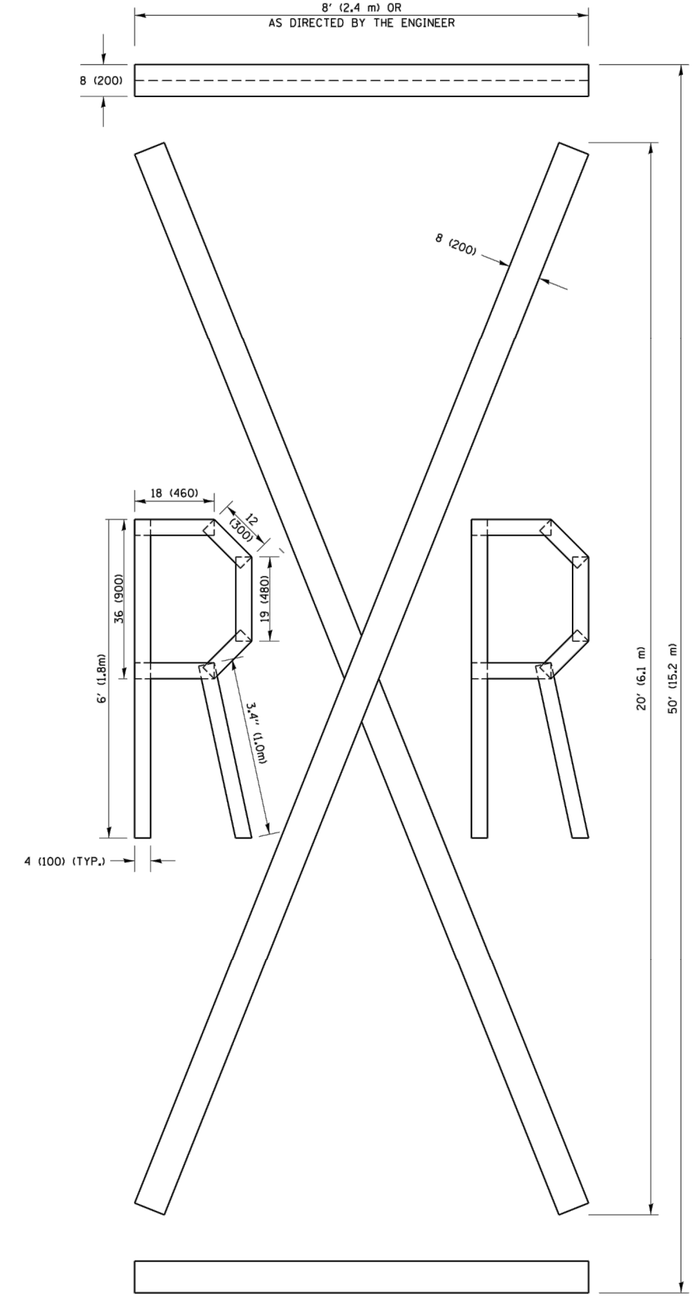


QUANTITY

4 (100) LINE = 82.5 ft. (25.1 m)
27.5 sq. ft. (2.53 sq. m)

NOTE:

ALL QUANTITIES OF PLACEMENT ARE REPRESENTED IN LINEAR FEET OF 4" LINES TO MATCH THE 4" TEMPORARY TAPE PAY ITEM AND REPRESENTS THE TOTAL QUANTITY OF 4" TAPE REQUIRED.



QUANTITY

4 (100) LINE = 225.9 ft. (68.9 m)
75.3 sq. ft. (6.99 sq. m)

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

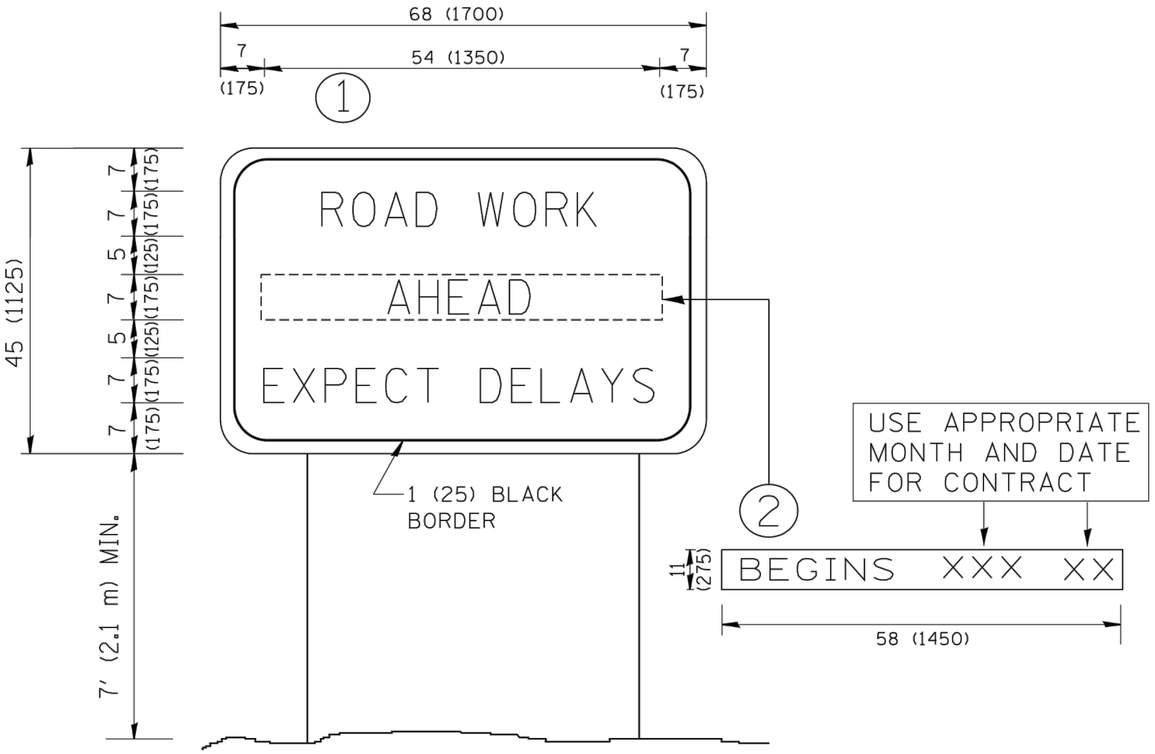
FILE NAME = pw:\\IL084EBIDINTEG.illinois.gov:PWIDOT\Documents\IDOT Offices\District 1\Projects\Dist\$DRAWN\CADData\CADsheets\tc16.dgn	USER NAME = footemj	DESIGNED -	REVISED -T. RAMMACHER 03-02-98
			REVISED -E. GOMEZ 08-28-00
	PLOT SCALE = 50.0000 ' / in.	CHECKED -	REVISED -E. GOMEZ 08-28-00
	PLOT DATE = 9/15/2016	DATE - 09-18-94	REVISED -A. SCHUETZE 09-15-16

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	12-00089-00-PK	COOK	90	78
	TC-16	CONTRACT NO. 61E91		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



NOTES:

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

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

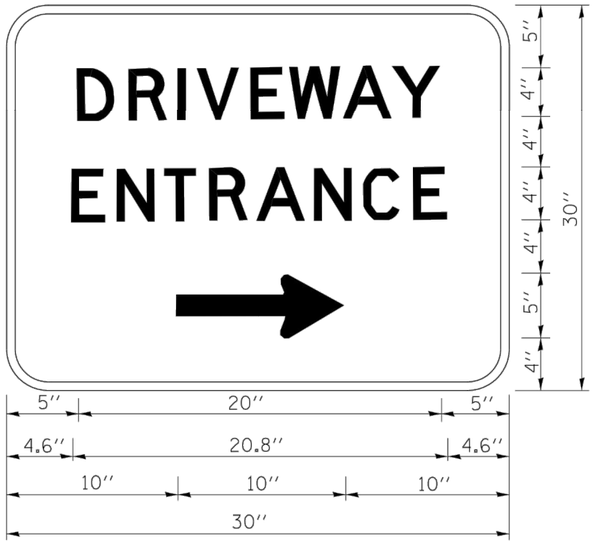
FILE NAME = W:\diststd\22x34\tc22.dgn	USER NAME = gaglianobt	DESIGNED -	REVISED - R. MIRS 09-15-97
		DRAWN -	REVISED - R. MIRS 12-11-97
	PLOT SCALE = 50.000 ' / IN.	CHECKED -	REVISED - T. RAMMACHER 02-02-99
	PLOT DATE = 1/4/2008	DATE -	REVISED - C. JUCIUS 01-31-07

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ARTERIAL ROAD INFORMATION SIGN

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	12-00089-00-PK	COOK	90	79
	TC-22	CONTRACT NO. 61E91		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



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

NOTES:

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

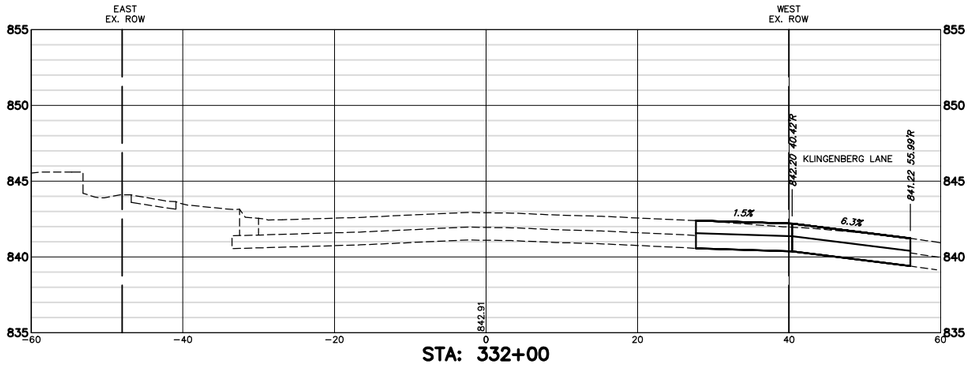
FILE NAME = c:\pw_work\pwidot\gaglianobt\d0108315\tc26.dgn	USER NAME = gaglianobt	DESIGNED -	REVISED - C. JUCIUS 02-15-07	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DRIVEWAY ENTRANCE SIGNING	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -			305	12-00089-00-PK	COOK	90	80
	PLOT SCALE = 50.000 ' / in.	CHECKED -	REVISED -				TC-26	CONTRACT NO. 61E91		
	PLOT DATE = 12/13/2012	DATE -	REVISED -		SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.	FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

GRAPHIC SCALE

10 0 5 10

(IN FEET)

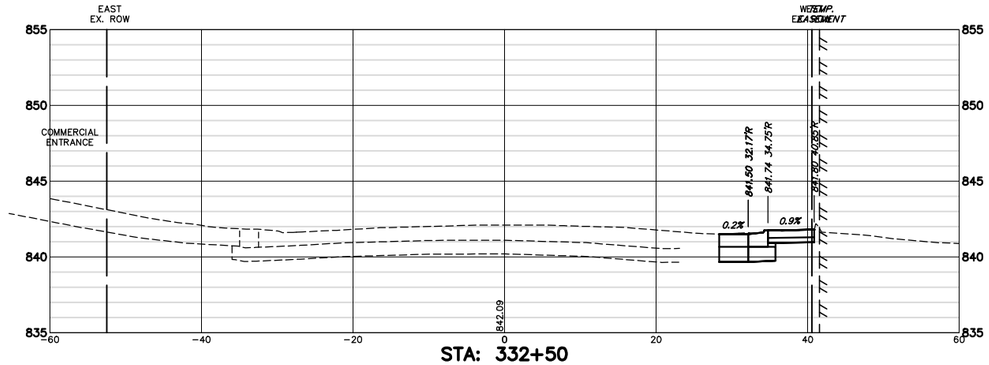
H. 1"= 10 ft. V. 1"= 5 ft.



STA: 332+00

CUT: 27.13 SF

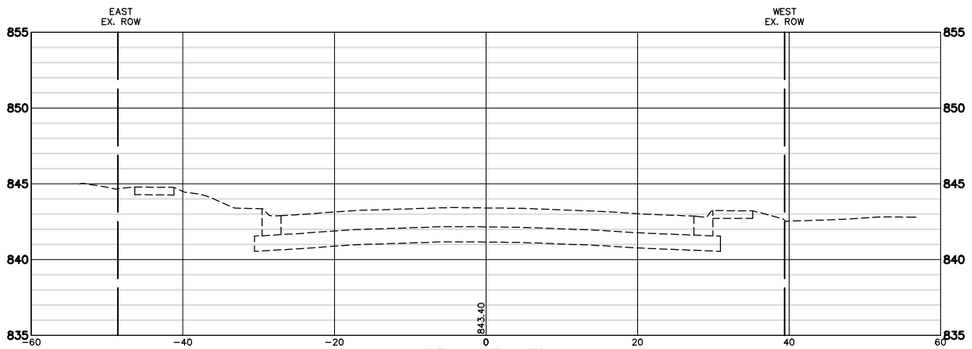
FILL: 0.00 SF



STA: 332+50

CUT: 16.07 SF

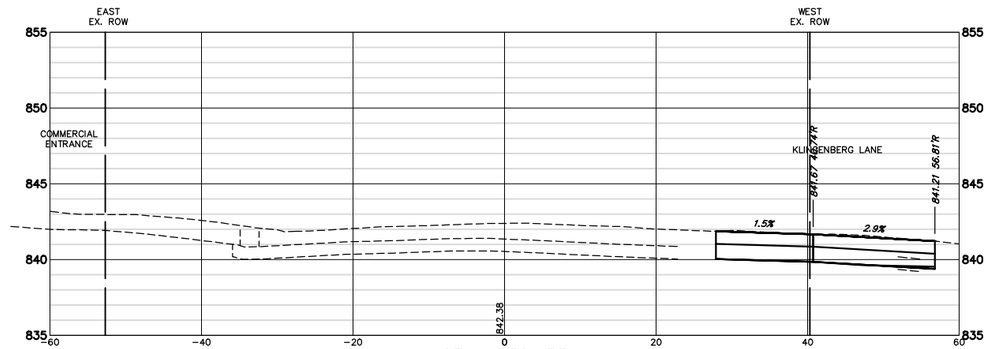
FILL: 0.00 SF



STA: 331+70

CUT: 0.00 SF

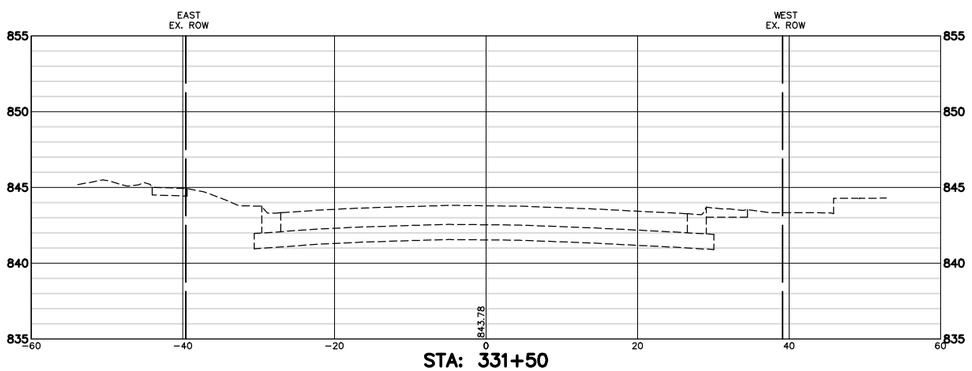
FILL: 0.00 SF



STA: 332+33

CUT: 29.62 SF

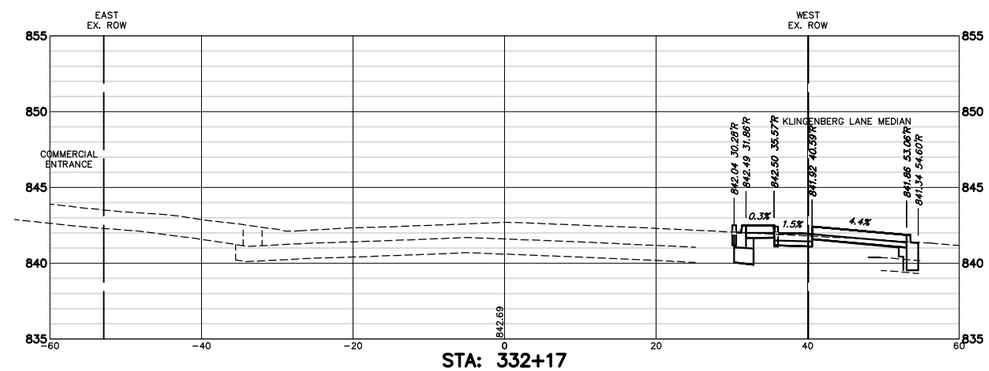
FILL: 0.00 SF



STA: 331+50

CUT: 0.00 SF

FILL: 0.00 SF



STA: 332+17

CUT: 3.23 SF

FILL: 8.03 SF

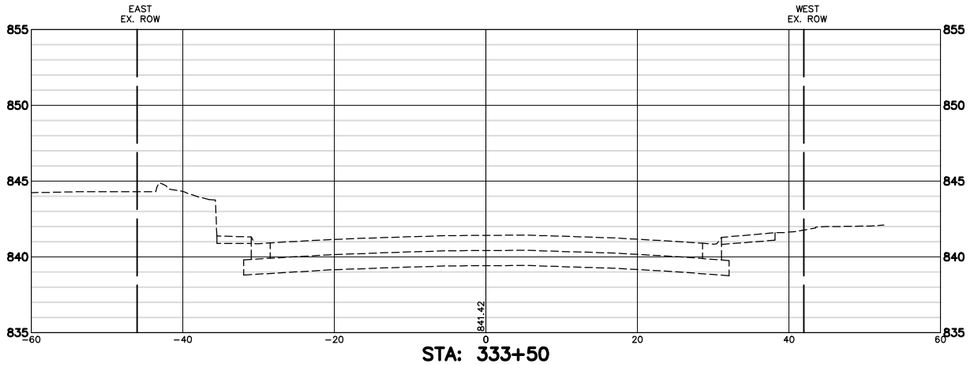
FILE NAME = 4425.200-pr5.dwg	USER NAME = MARK COBB	DESIGNED - KLB	REVISED -	**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**	**CROSS SECTIONS - U.S. RTE 14 (NORTHWEST HWY) U.S. RTE 14 (NORTHWEST HWY) AT METRA ACCESS VILLAGE OF BARRINGTON, ILLINOIS**	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - GW3	REVISED -			305	12-00089-00-PK	COOK	90	81
	PLOT SCALE = 1" = .1667'	CHECKED - KLB	REVISED -					CONTRACT #:	61E91	
	PLOT DATE = 10/12/2020 4:01 PM	DATE - 10/12/2020	REVISED -		SCALE: AS NOTED / SHEET NO. 1 OF 6 SHEETS / STA. 331+50 TO STA. 332+50			ILLINOIS FED. AID PROJECT		

GRAPHIC SCALE

10 0 5 10

(IN FEET)

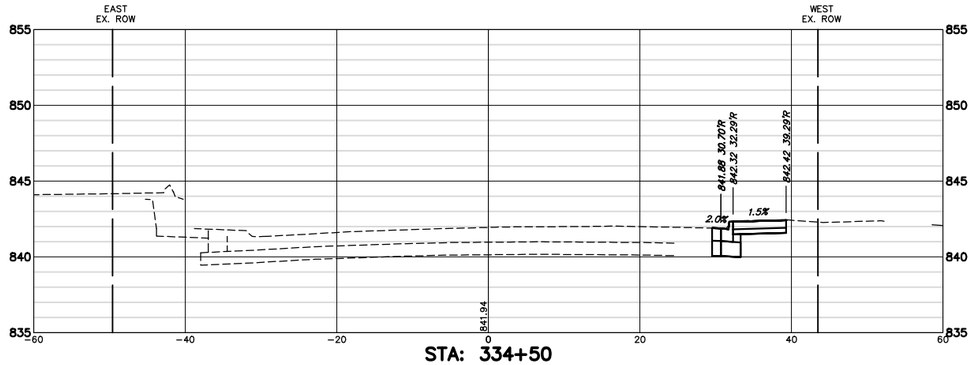
H. 1"= 10 ft. V. 1"= 5 ft.



STA: 333+50

CUT: 0.00 SF

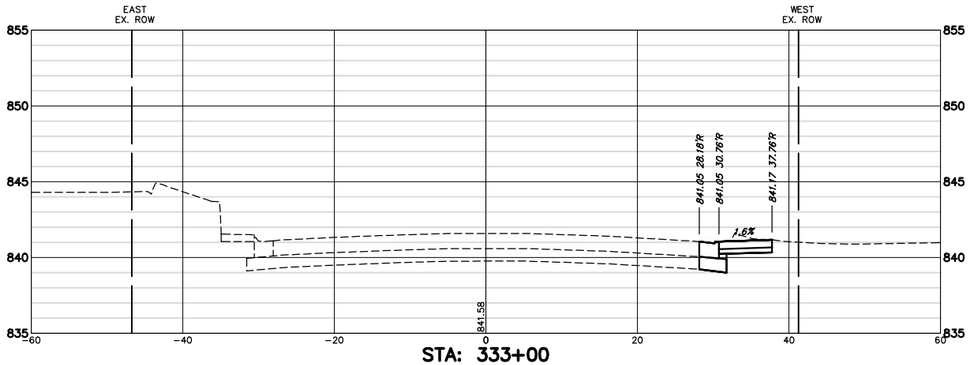
FILL: 0.00 SF



STA: 334+50

CUT: 13.00 SF

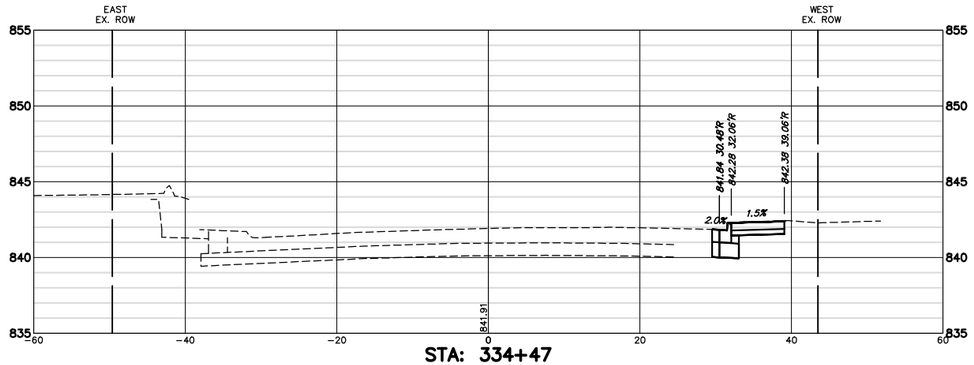
FILL: 0.00 SF



STA: 333+00

CUT: 12.77 SF

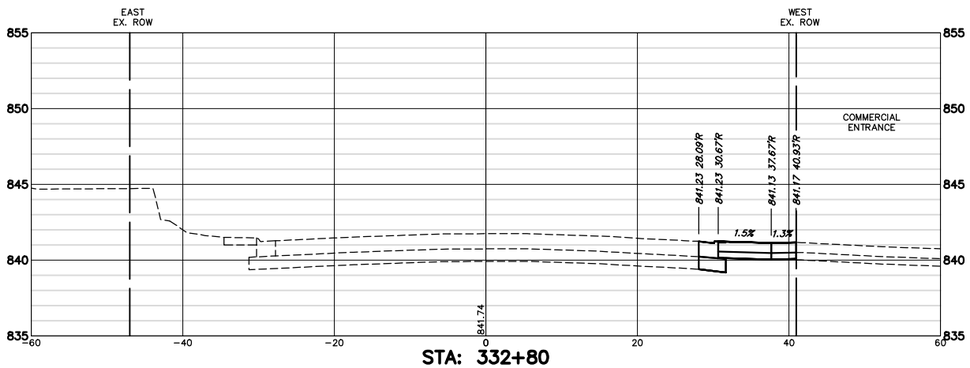
FILL: 0.00 SF



STA: 334+47

CUT: 12.53 SF

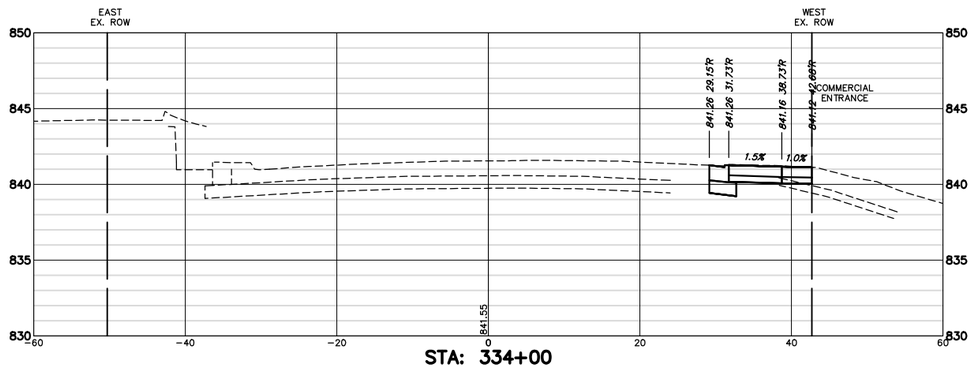
FILL: 0.00 SF



STA: 332+80

CUT: 16.70 SF

FILL: 0.00 SF



STA: 334+00

CUT: 18.31 SF

FILL: 0.00 SF

FILE NAME = 4425.200-pr5.dwg	USER NAME = MARK COBB	DESIGNED - KLB	REVISED -
		DRAWN - GW3	REVISED -
	PLOT SCALE = 1" = .1667'	CHECKED - KLB	REVISED -
	PLOT DATE = 10/12/2020 4:01 PM	DATE - 10/12/2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS - U.S. RTE 14 (NORTHWEST HWY)
U.S. RTE 14 (NORTHWEST HWY) AT METRA ACCESS
VILLAGE OF BARRINGTON, ILLINOIS

SCALE: AS NOTED | SHEET NO. 2 OF 6 SHEETS | STA. 332+80 | TO STA. 334+50

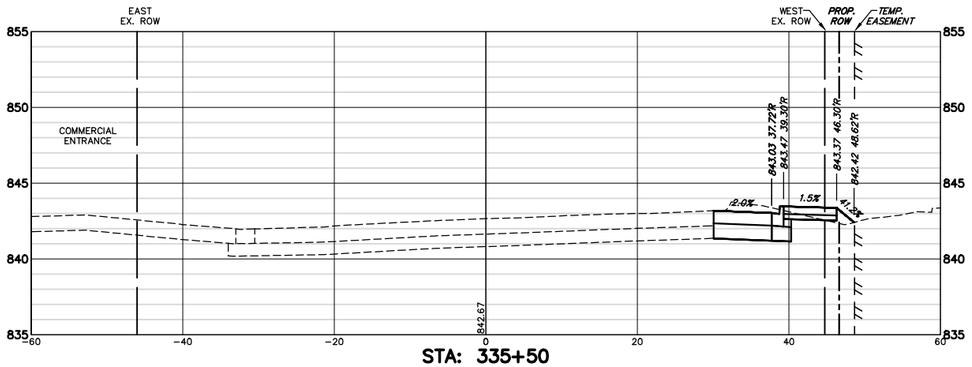
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	12-00089-00-PK	COOK	90	82
		CONTRACT #: 61E91		
		ILLINOIS FED. AID PROJECT		

GRAPHIC SCALE

10 0 5 10

(IN FEET)

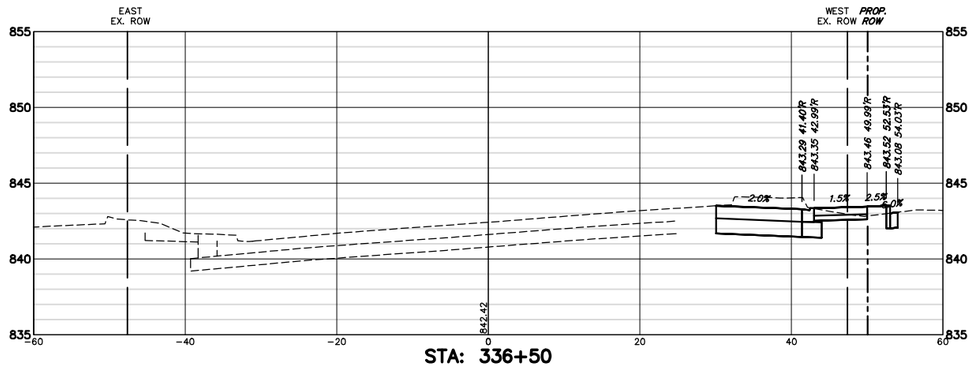
H. 1"= 10 ft. V. 1"= 5 ft.



STA: 335+50

CUT: 23.32 SF

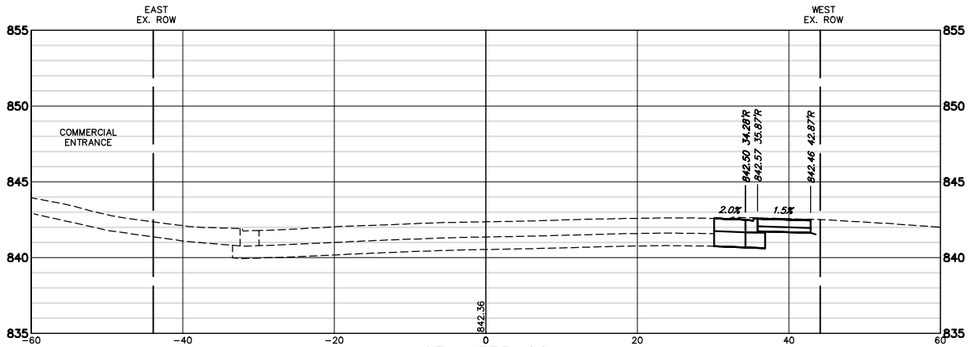
FILL: 1.41 SF



STA: 336+50

CUT: 36.37 SF

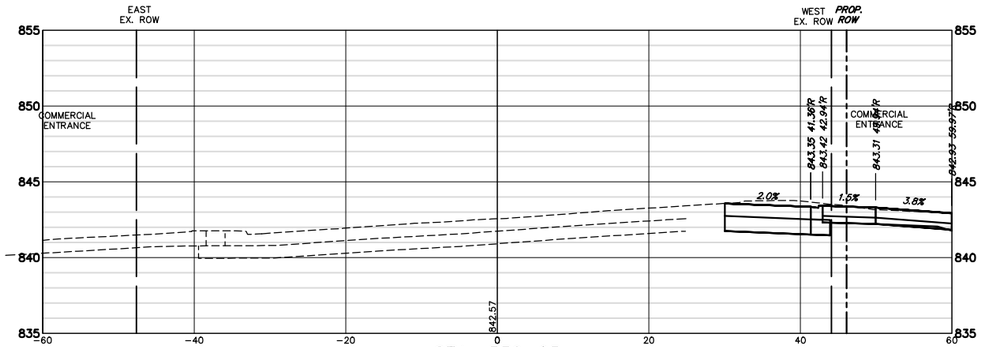
FILL: 1.46 SF



STA: 335+00

CUT: 18.98 SF

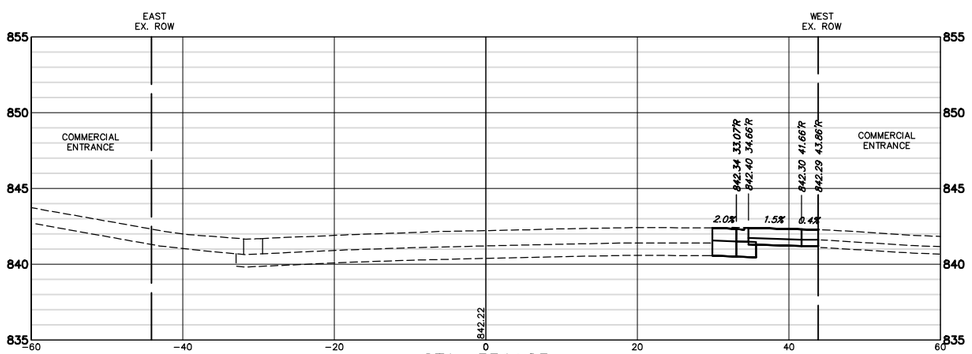
FILL: 0.00 SF



STA: 336+05

CUT: 45.20 SF

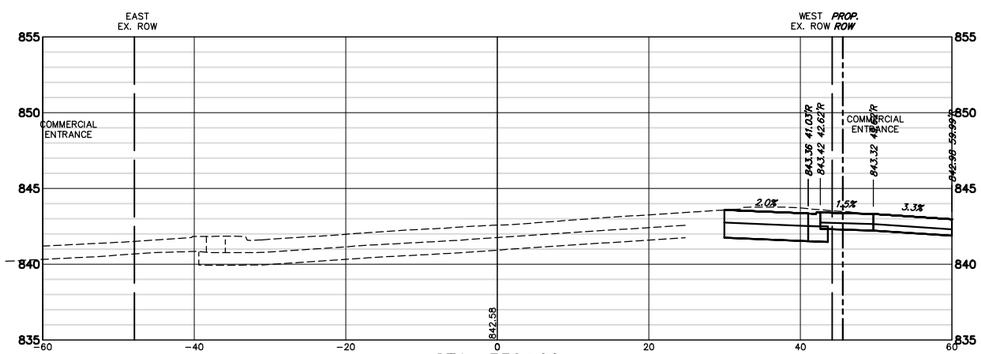
FILL: 0.00 SF



STA: 334+83

CUT: 19.97 SF

FILL: 0.00 SF



STA: 336+00

CUT: 46.73 SF

FILL: 0.00 SF

FILE NAME = 4425.200-pr5.dwg	USER NAME = MARK COBB	DESIGNED - KLB	REVISED -	**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**	**CROSS SECTIONS - U.S. RTE 14 (NORTHWEST HWY)** **U.S. RTE 14 (NORTHWEST HWY) AT METRA ACCESS** **VILLAGE OF BARRINGTON, ILLINOIS**
		DRAWN - GW3	REVISED -		
	PLOT SCALE = 1" = .1667'	CHECKED - KLB	REVISED -		
	PLOT DATE = 10/12/2020 4:01 PM	DATE - 10/12/2020	REVISED -		SCALE: AS NOTED | SHEET NO. 3 OF 6 SHEETS | STA. 334+83 TO STA. 336+50

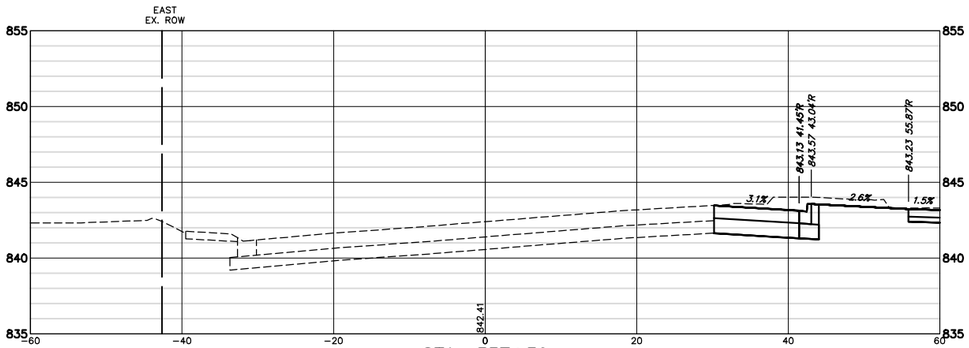
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	12-00089-00-PK	COOK	90	83
		CONTRACT #: 61E91		
		ILLINOIS FED. AID PROJECT		

GRAPHIC SCALE

10 0 5 10

(IN FEET)

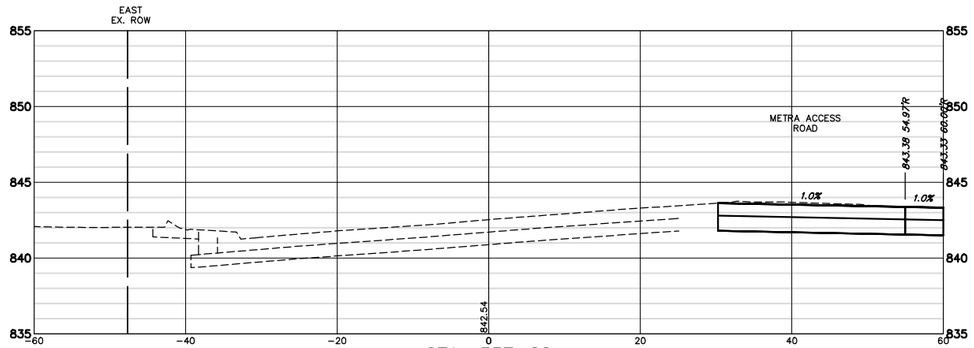
H. 1"= 10 ft. V. 1"= 5 ft.



STA: 337+39

CUT: 34.49 SF

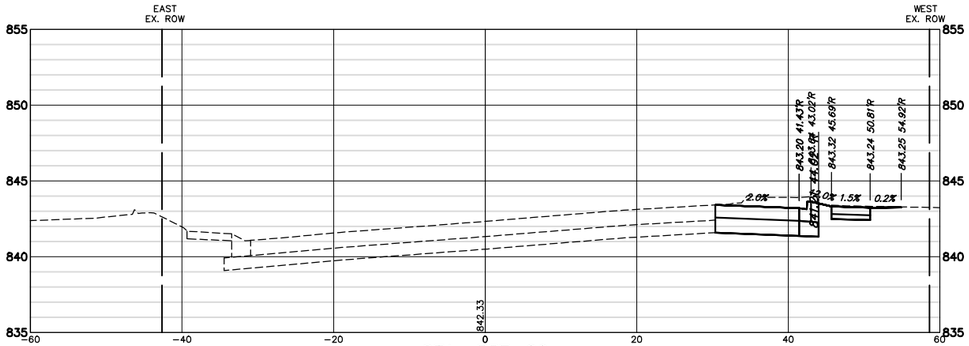
FILL: 0.00 SF



STA: 337+88

CUT: 31.91 SF

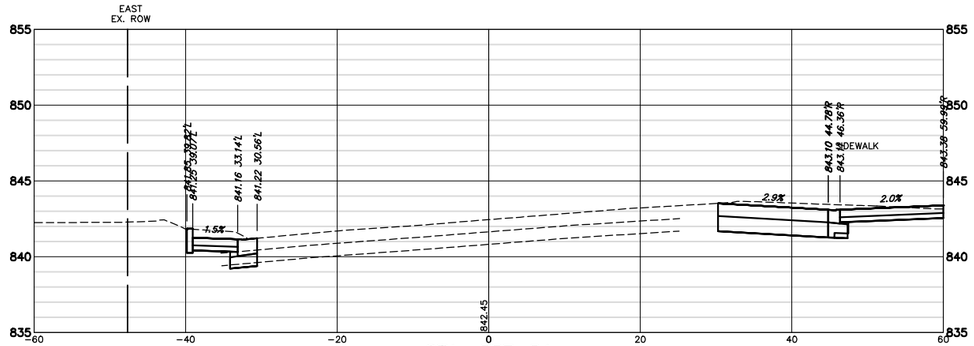
FILL: 0.00 SF



STA: 337+00

CUT: 37.09 SF

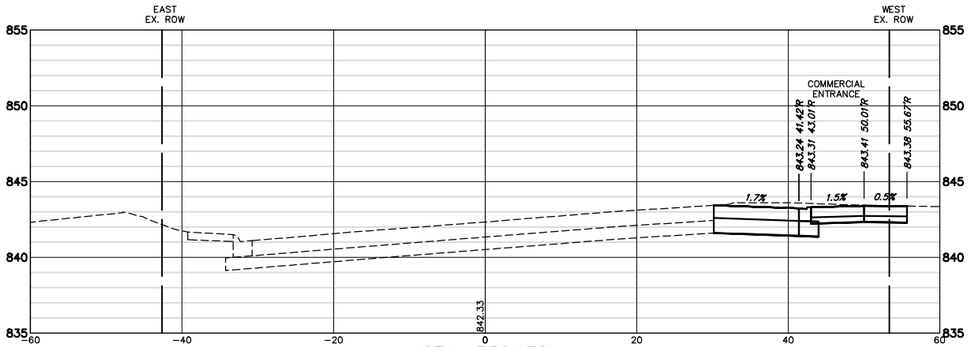
FILL: 0.01 SF



STA: 337+54

CUT: 43.82 SF

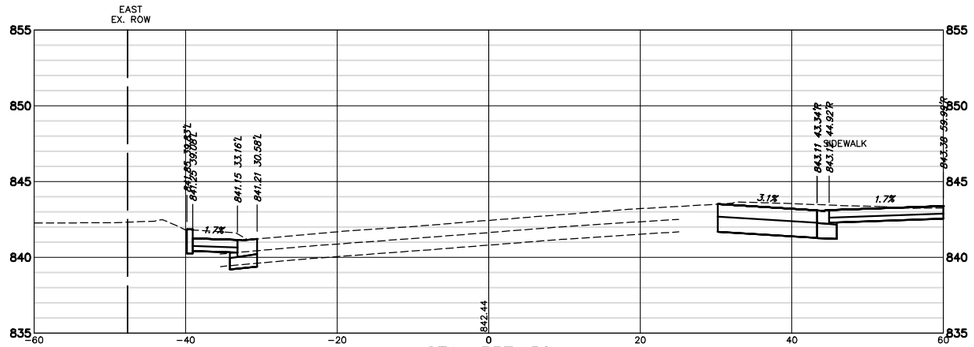
FILL: 0.00 SF



STA: 336+78

CUT: 41.77 SF

FILL: 0.00 SF



STA: 337+50

CUT: 42.88 SF

FILL: 0.00 SF

FILE NAME = 4425.200-pr5.dwg	USER NAME = MARK COBB	DESIGNED - KLB	REVISED -
		DRAWN - GW3	REVISED -
	PLOT SCALE = 1" = .1667'	CHECKED - KLB	REVISED -
	PLOT DATE = 10/12/2020 4:01 PM	DATE - 10/12/2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS - U.S. RTE 14 (NORTHWEST HWY)
U.S. RTE 14 (NORTHWEST HWY) AT METRA ACCESS
VILLAGE OF BARRINGTON, ILLINOIS

SCALE AS NOTED | SHEET NO. 4 OF 6 SHEETS | STA. 336+78 TO STA. 337+88

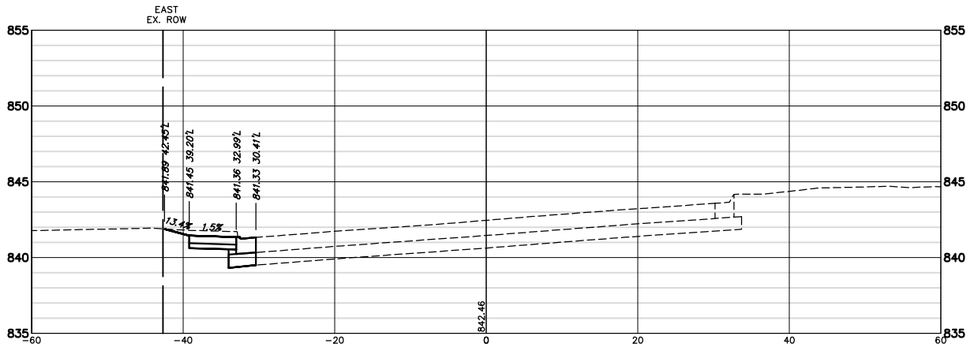
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	12-00089-00-PK	COOK	90	84
		CONTRACT #:	61E91	
		ILLINOIS FED. AID PROJECT		

GRAPHIC SCALE

10 0 5 10

(IN FEET)

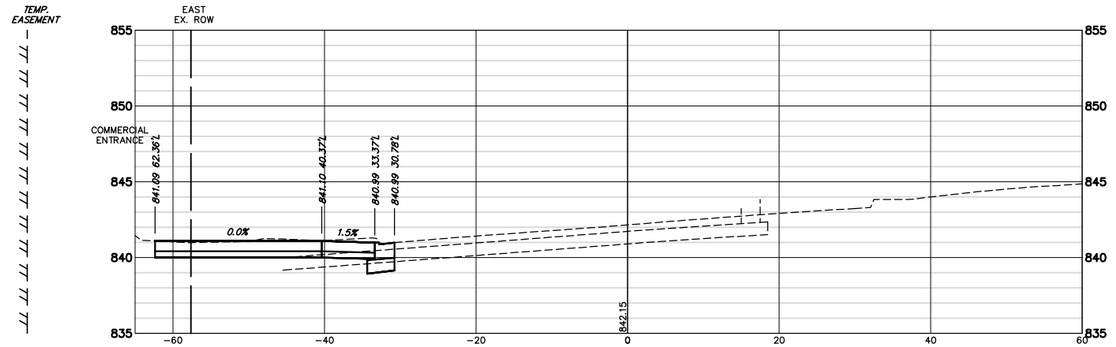
H. 1"= 10 ft. V. 1"= 5 ft.



STA: 338+64

CUT: 13.97 SF

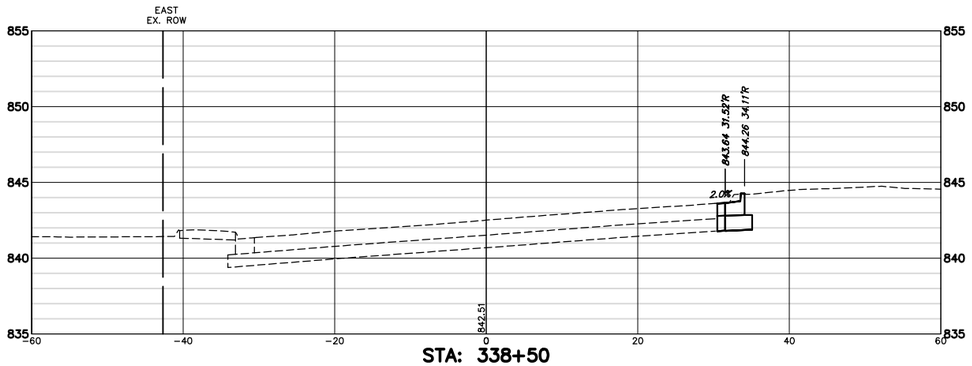
FILL: 0.00 SF



STA: 339+20

CUT: 38.77 SF

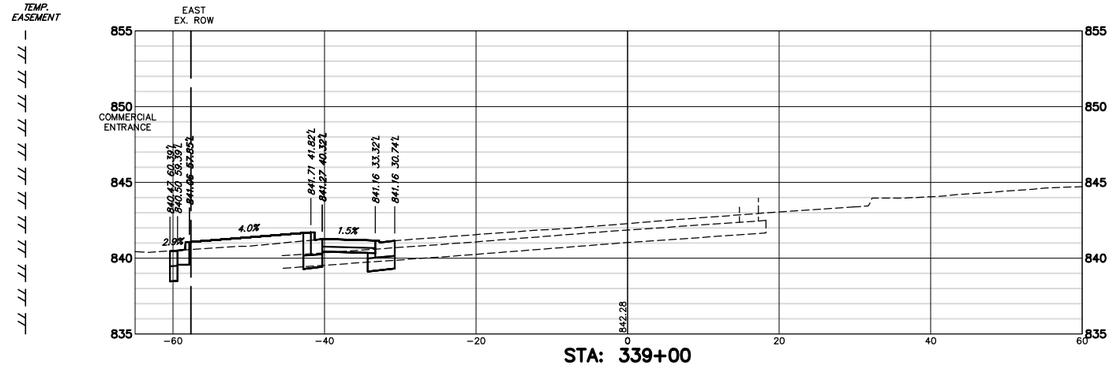
FILL: 0.00 SF



STA: 338+50

CUT: 9.92 SF

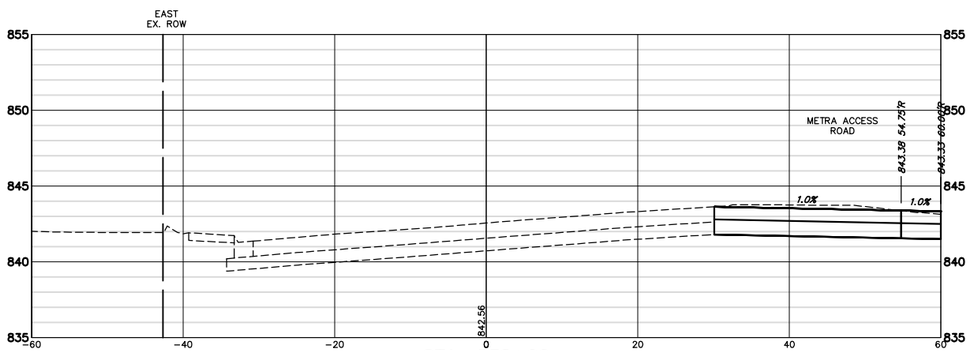
FILL: 0.00 SF



STA: 339+00

CUT: 20.07 SF

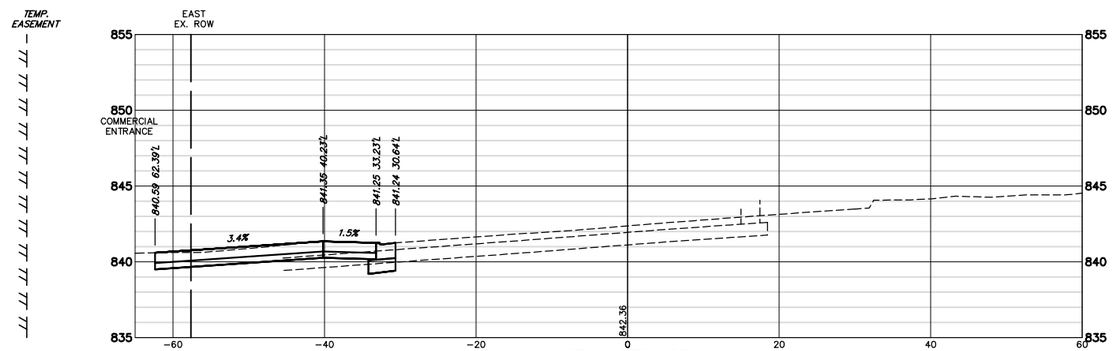
FILL: 8.11 SF



STA: 338+00

CUT: 33.83 SF

FILL: 0.00 SF



STA: 338+85

CUT: 35.37 SF

FILL: 0.00 SF

FILE NAME = 4425.200-pr5.dwg	USER NAME = MARK COBB	DESIGNED - KLB	REVISED -
		DRAWN - GW3	REVISED -
	PLOT SCALE = 1" = .1667'	CHECKED - KLB	REVISED -
	PLOT DATE = 10/12/2020 4:01 PM	DATE - 10/12/2020	REVISED -

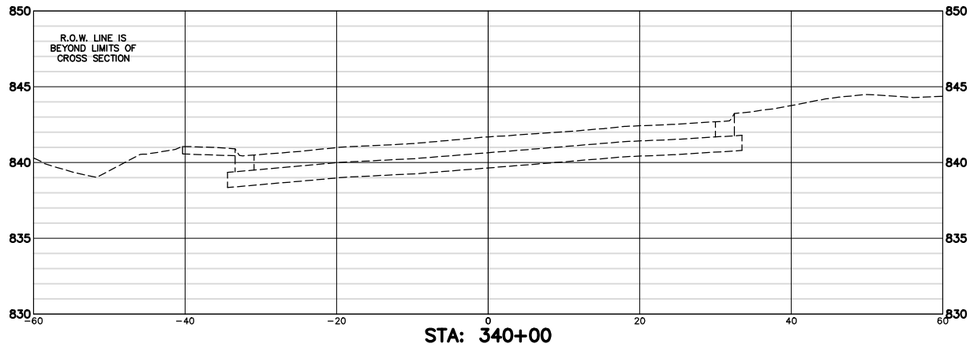
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS - U.S. RTE 14 (NORTHWEST HWY)
U.S. RTE 14 (NORTHWEST HWY) AT METRA ACCESS
VILLAGE OF BARRINGTON, ILLINOIS

SCALE: AS NOTED | SHEET NO. 5 OF 6 SHEETS | STA. 338+00 TO STA. 339+20

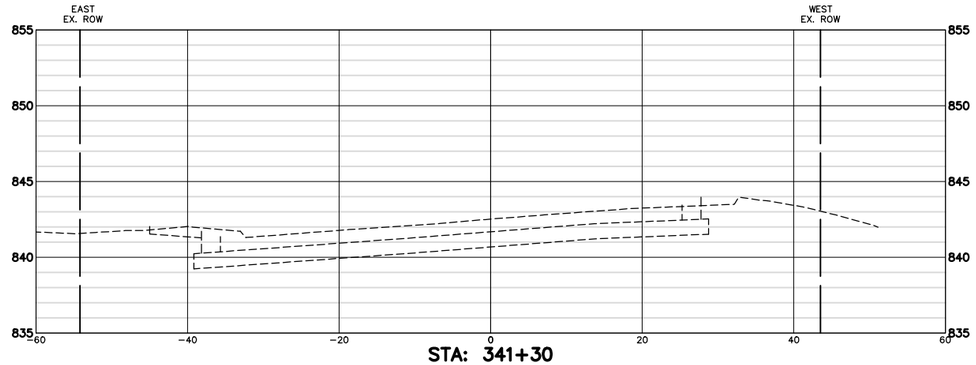
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	12-00089-00-PK	COOK	90	85
		CONTRACT #:	61E91	
		ILLINOIS FED. AID PROJECT		

GRAPHIC SCALE
10 0 5 10
(IN FEET)
H. 1"= 10 ft. V. 1"= 5 ft.



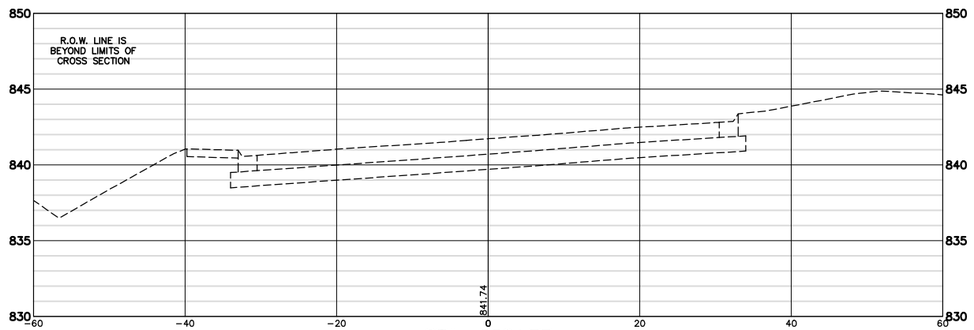
STA: 340+00

CUT: 0.00 SF
FILL: 0.00 SF



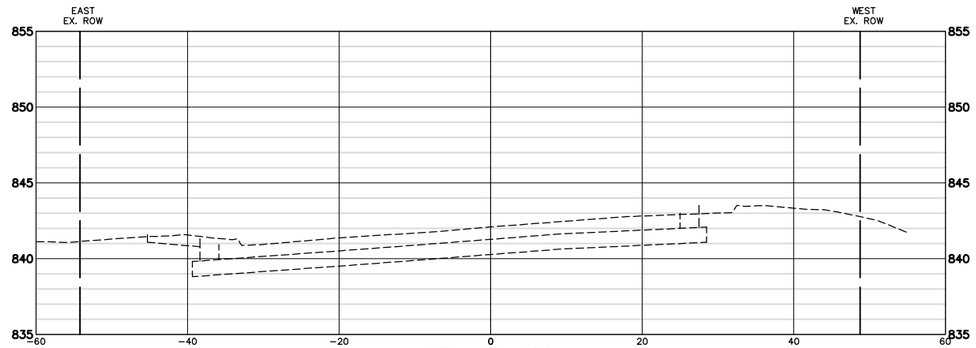
STA: 341+30

CUT: 0.00 SF
FILL: 0.00 SF



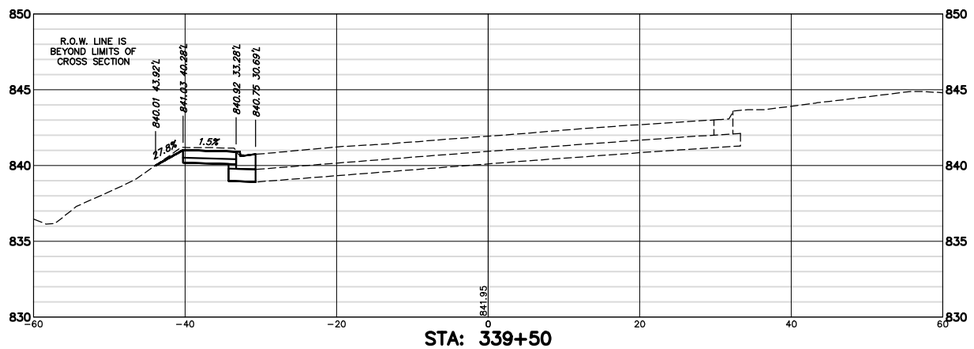
STA: 339+77

CUT: 0.00 SF
FILL: 0.00 SF



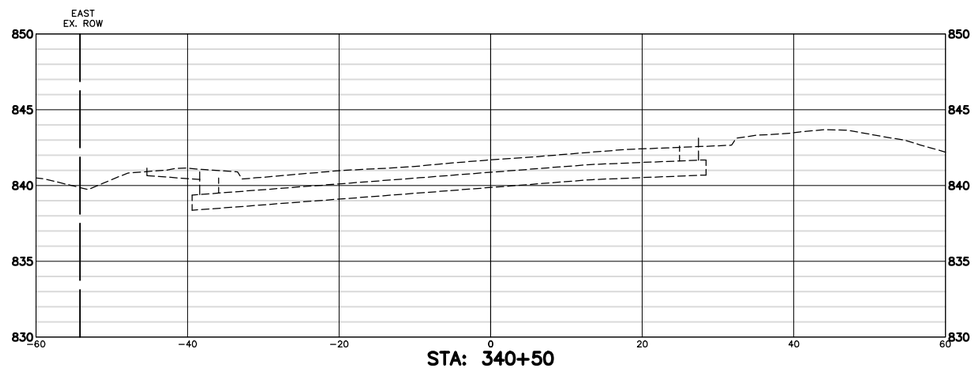
STA: 341+00

CUT: 0.00 SF
FILL: 0.00 SF



STA: 339+50

CUT: 13.45 SF
FILL: 0.00 SF



STA: 340+50

CUT: 0.00 SF
FILL: 0.00 SF

FILE NAME = 4425.200-pr5.dwg	USER NAME = MARK COBB	DESIGNED - KLB	REVISED -	**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**	**CROSS SECTIONS - U.S. RTE 14 (NORTHWEST HWY) U.S. RTE 14 (NORTHWEST HWY) AT METRA ACCESS VILLAGE OF BARRINGTON, ILLINOIS**
		DRAWN - GW3	REVISED -		
	PLOT SCALE = 1" = .1667'	CHECKED - KLB	REVISED -		SCALE: AS NOTED | SHEET NO. 6 OF 6 SHEETS | STA. 339+50 TO STA. 341+30
	PLOT DATE = 10/12/2020 4:02 PM	DATE - 10/12/2020	REVISED -		

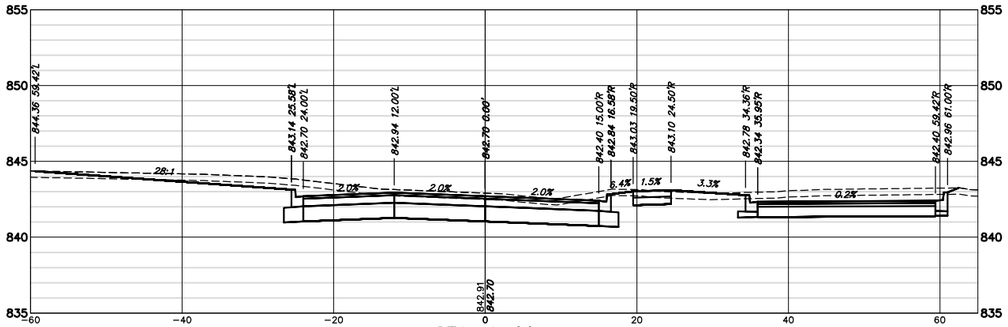
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	12-00089-00-PK	COOK	90	86
		CONTRACT #:	61E91	
		ILLINOIS | FED. AID PROJECT		

GRAPHIC SCALE

10 0 5 10

(IN FEET)

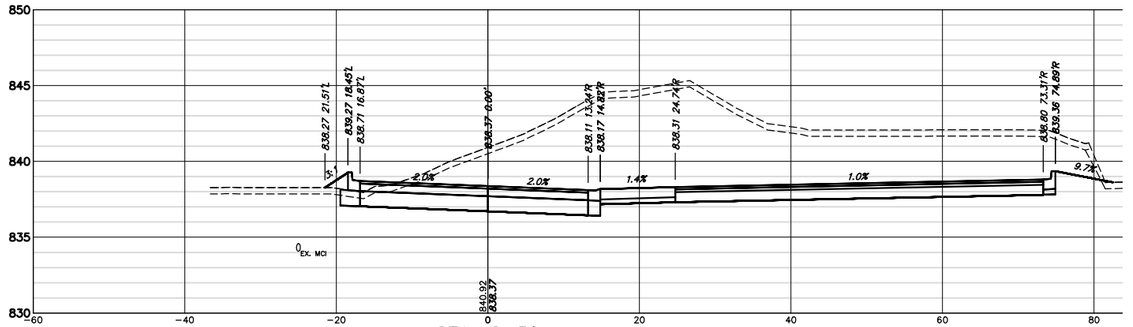
H. 1"= 10 ft. V. 1"= 5 ft.



STA: 1+00

CUT: 145.96 SF

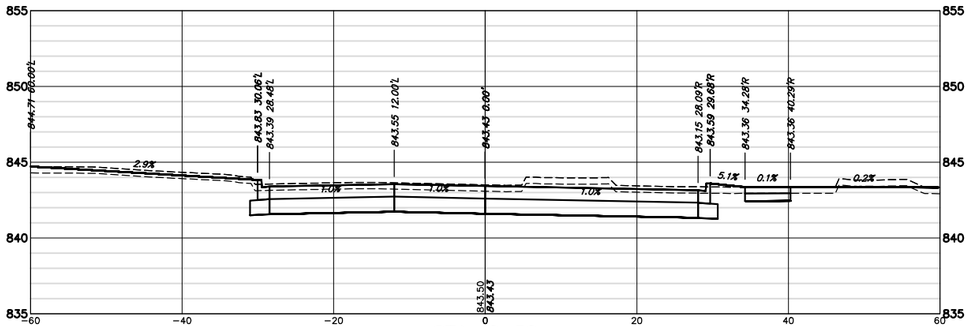
FILL: 4.35 SF



STA: 2+50

CUT: 552.30 SF

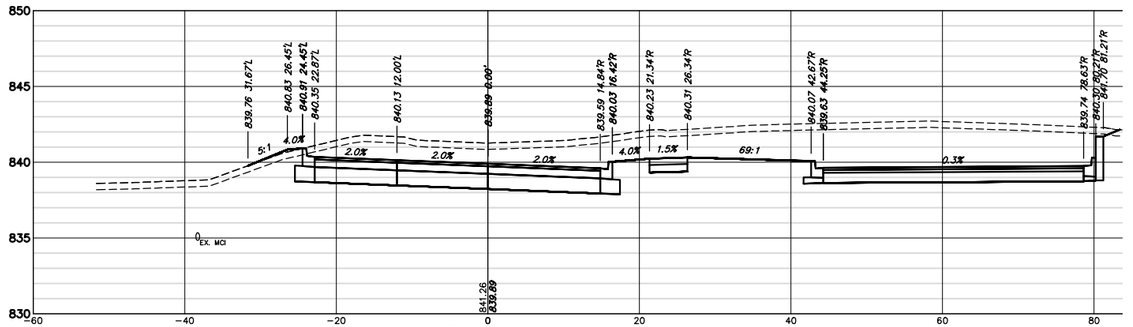
FILL: 1.83 SF



STA: 0+50

CUT: 247.61 SF

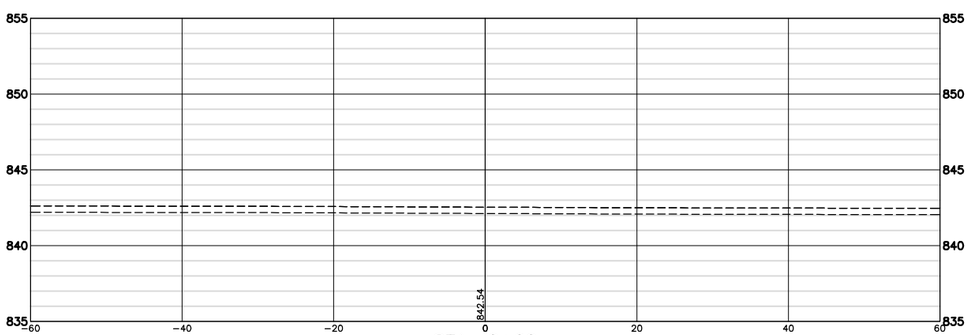
FILL: 8.41 SF



STA: 2+00

CUT: 312.45 SF

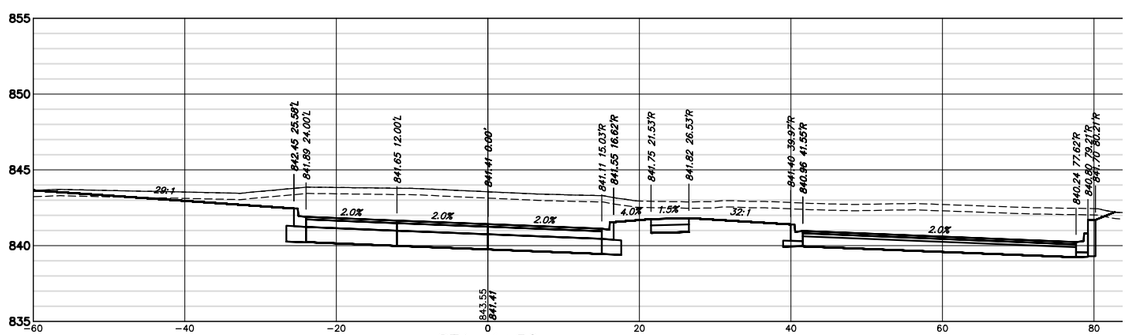
FILL: 3.50 SF



STA: 0+00

CUT: 0.00 SF

FILL: 0.00 SF



STA: 1+50

CUT: 355.27 SF

FILL: 0.00 SF

FILE NAME = 4425.200-pr5.dwg	USER NAME = MARK COBB	DESIGNED - KLB	REVISED -	**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**	**CROSS SECTIONS - METRA ACCESS ROAD U.S. RTE 14 (NORTHWEST HWY) AT METRA ACCESS VILLAGE OF BARRINGTON, ILLINOIS**
		DRAWN - GW3	REVISED -		
	PLOT SCALE = 1" = .1667'	CHECKED - KLB	REVISED -		SCALE: AS NOTED | SHEET NO. 1 OF 2 SHEETS | STA. 0+00 TO STA. 2+50
	PLOT DATE = 10/12/2020 4:02 PM	DATE - 10/12/2020	REVISED -		

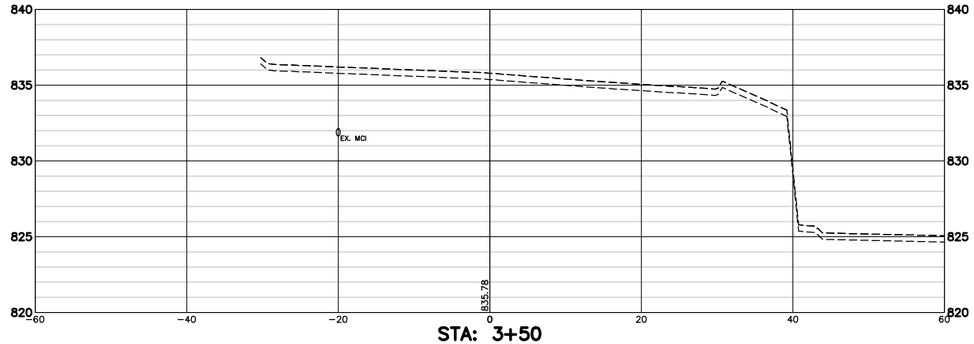
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	12-00089-00-PK	COOK	90	87
		CONTRACT #:	61E91	
		ILLINOIS FED. AID PROJECT		

GRAPHIC SCALE

10 0 5 10

(IN FEET)

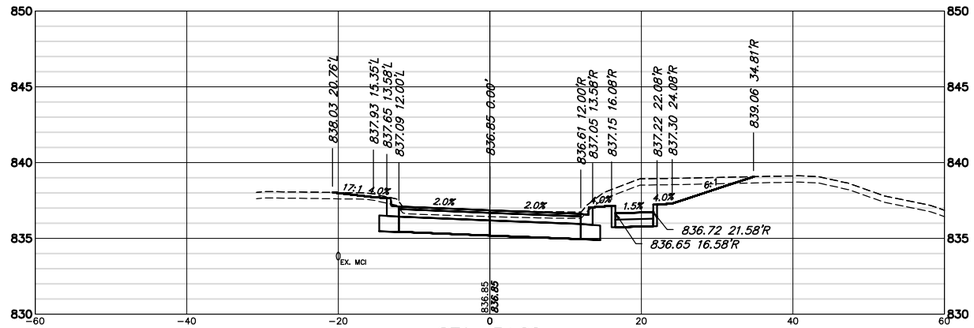
H. 1"= 10 ft. V. 1"= 5 ft.



STA: 3+50

CUT: 0.00 SF

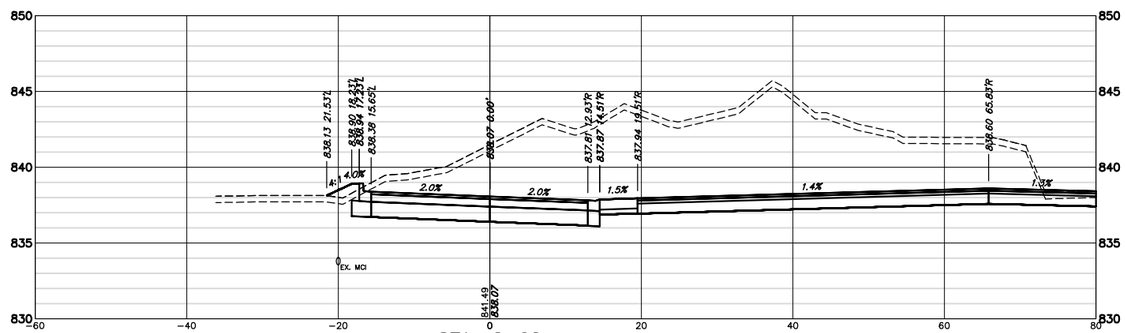
FILL: 0.00 SF



STA: 3+00

CUT: 148.71 SF

FILL: 2.28 SF



STA: 2+60

CUT: 554.3 SF

FILL: 1.5 SF

FILE NAME = 4425.200-pr5.dwg	USER NAME = MARK COBB	DESIGNED - KLB	REVISED -	**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**	**CROSS SECTIONS - METRA ACCESS ROAD U.S. RTE 14 (NORTHWEST HWY) AT METRA ACCESS VILLAGE OF BARRINGTON, ILLINOIS**		
		DRAWN - GW3	REVISED -				
	PLOT SCALE = 1" = .1667'	CHECKED - KLB	REVISED -				
	PLOT DATE = 10/12/2020 4:02 PM	DATE - 10/12/2020	REVISED -		SCALE: AS NOTED	SHEET NO. 2 OF 2 SHEETS	STA. 2+60 TO STA. 3+50

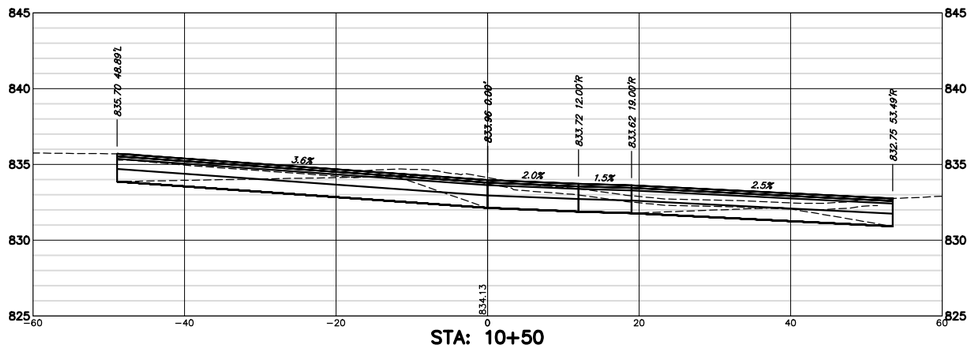
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	12-00089-00-PK	COOK	90	88
		CONTRACT #: 61E91		
		ILLINOIS FED. AID PROJECT		

GRAPHIC SCALE

10 0 5 10

(IN FEET)

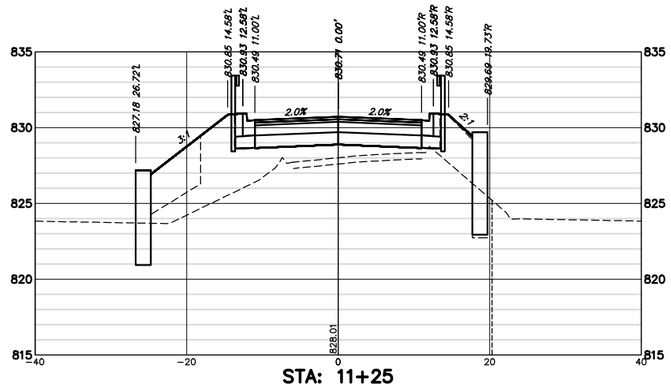
H. 1"= 10 ft. V. 1"= 5 ft.



STA: 10+50

CUT: 3.75 SF

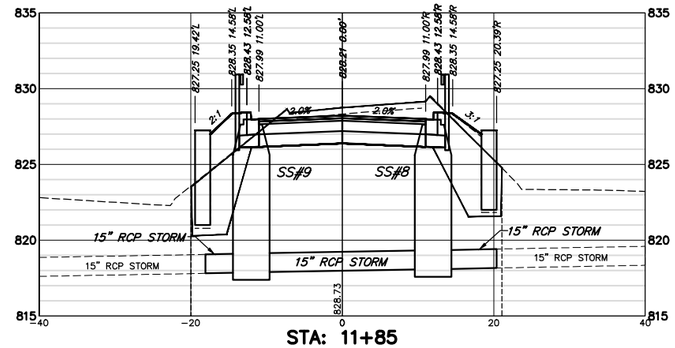
FILL: 0.00 SF



STA: 11+25

CUT: 6.36 SF

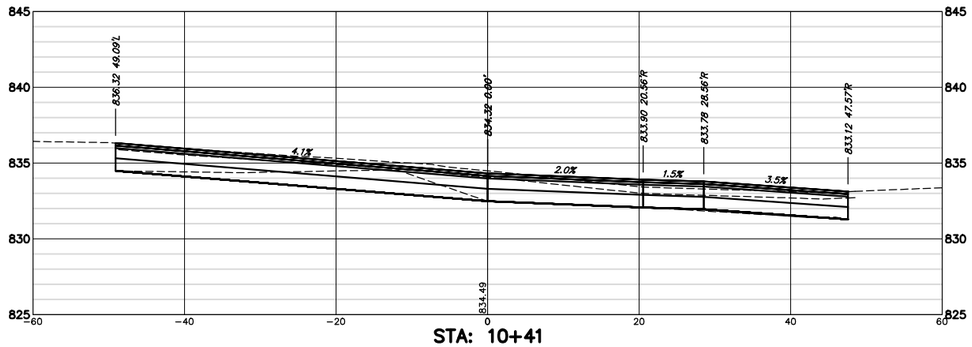
FILL: 58.70 SF



STA: 11+85

CUT: 34.22 SF

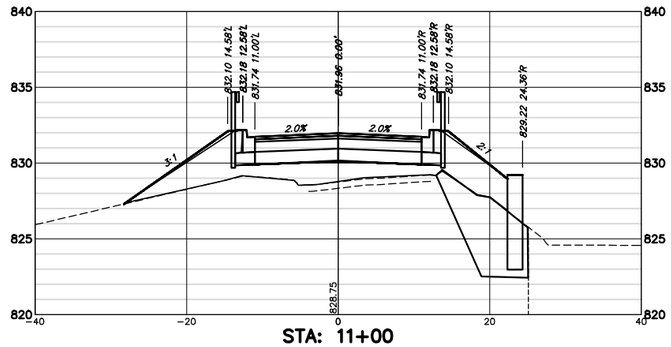
FILL: 11.36 SF



STA: 10+41

CUT: 0.74 SF

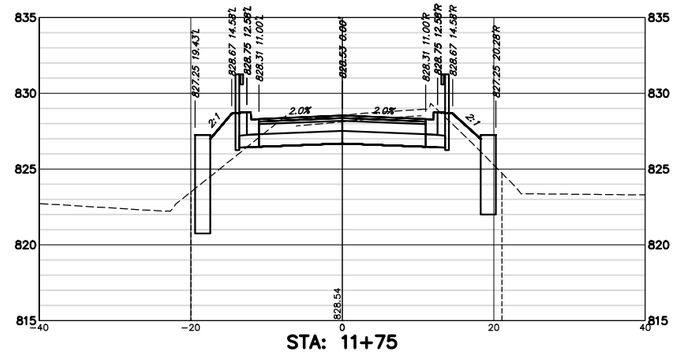
FILL: 0.00 SF



STA: 11+00

CUT: 6.95 SF

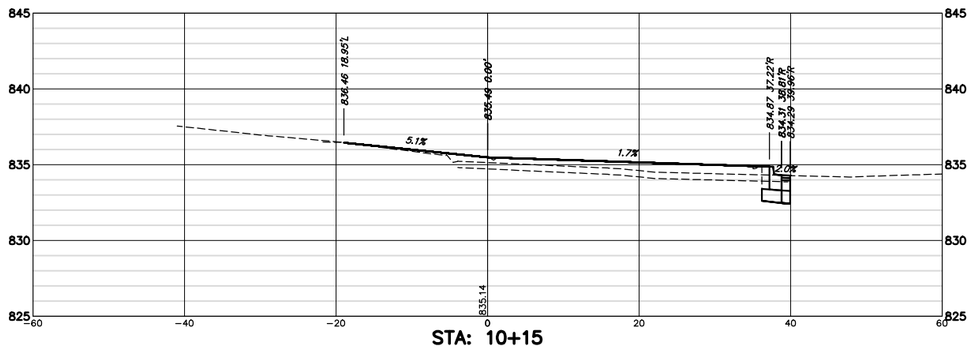
FILL: 57.40 SF



STA: 11+75

CUT: 29.24 SF

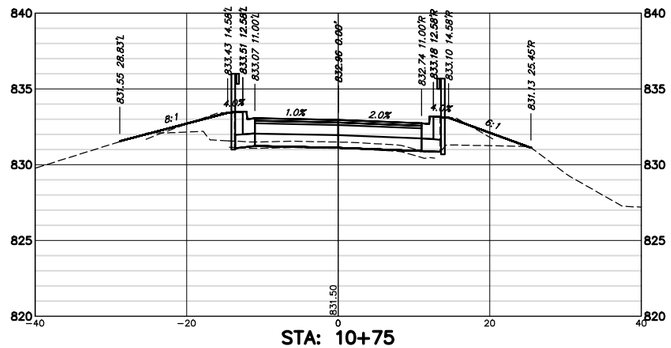
FILL: 14.12 SF



STA: 10+15

CUT: 0.69 SF

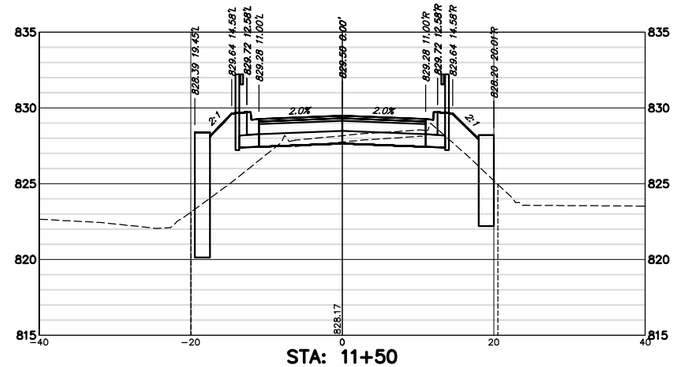
FILL: 1.82 SF



STA: 10+75

CUT: 0.43 SF

FILL: 17.51 SF



STA: 11+50

CUT: 18.38 SF

FILL: 29.36 SF

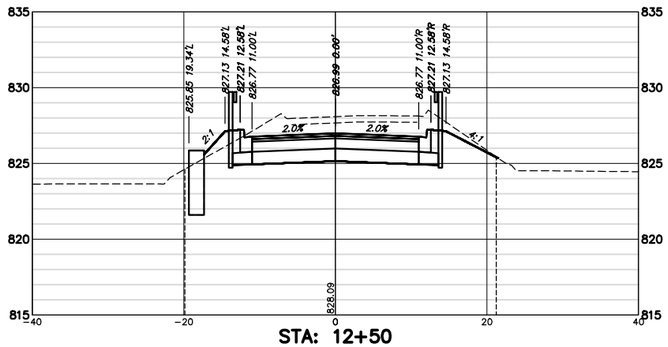
FILE NAME = 4425.200-pr5.dwg	USER NAME = MARK COBB	DESIGNED - KLB	REVISED -	**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**	**CROSS SECTIONS - COMMUTER LOT ROAD U.S. RTE 14 (NORTHWEST HWY) AT METRA ACCESS VILLAGE OF BARRINGTON, ILLINOIS**	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - GW3	REVISED -			305	12-00089-00-PK	COOK	90	89
	PLOT SCALE = 1" = .1667'	CHECKED - KLB	REVISED -					CONTRACT #:	61E91	
	PLOT DATE = 10/12/2020 4:02 PM	DATE - 10/12/2020	REVISED -		SCALE: AS NOTED SHEET NO. 1 OF 2 SHEETS STA. 10+15 TO STA. 11+85			ILLINOIS FED. AID PROJECT		

GRAPHIC SCALE

10 0 5 10

(IN FEET)

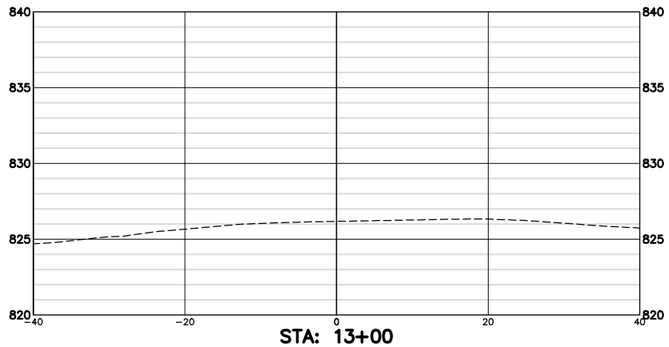
H. 1"= 10 ft. V. 1"= 5 ft.



STA: 12+50

CUT: 38.76 SF

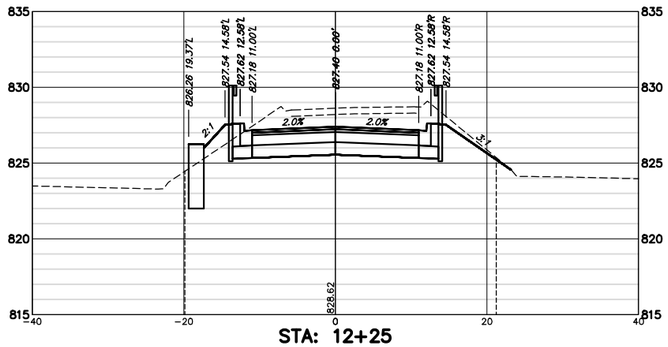
FILL: 2.64 SF



STA: 13+00

CUT: 0.00 SF

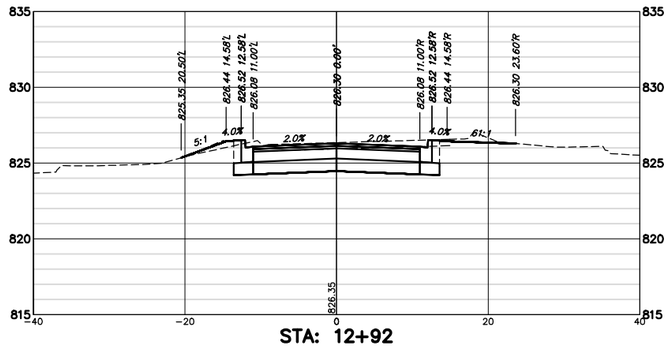
FILL: 0.00 SF



STA: 12+25

CUT: 37.93 SF

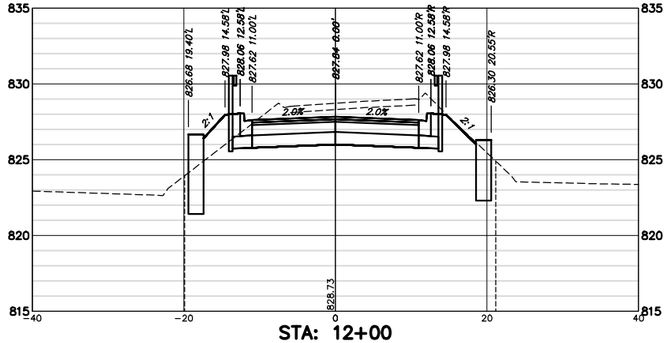
FILL: 3.94 SF



STA: 12+92

CUT: 11.39 SF

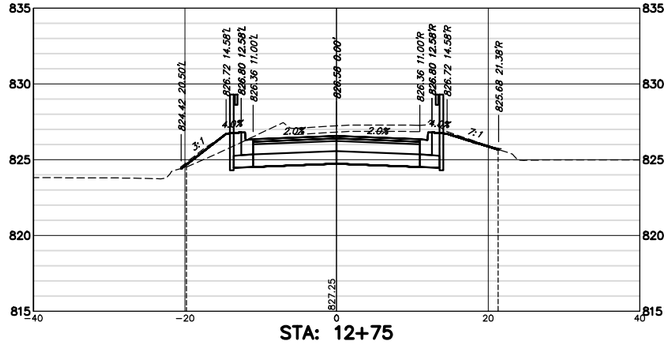
FILL: 1.79 SF



STA: 12+00

CUT: 38.46 SF

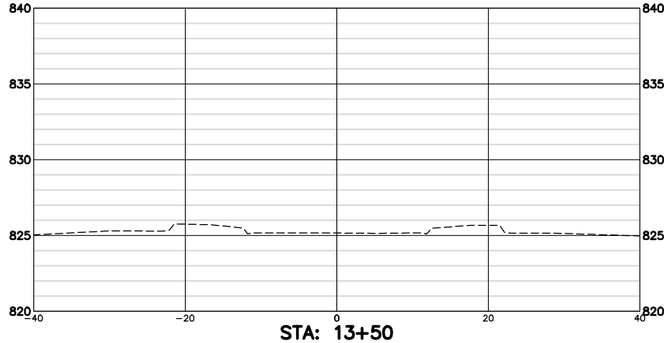
FILL: 6.68 SF



STA: 12+75

CUT: 26.54 SF

FILL: 4.89 SF



STA: 13+50

CUT: 0.00 SF

FILL: 0.00 SF

FILE NAME = 4425.200-pr5.dwg	USER NAME = MARK COBB	DESIGNED - KLB	REVISED -
		DRAWN - GW3	REVISED -
	PLOT SCALE = 1" = .1667'	CHECKED - KLB	REVISED -
	PLOT DATE = 10/12/2020 4:02 PM	DATE - 10/12/2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS - COMMUTER LOT ROAD
U.S. RTE 14 (NORTHWEST HWY) AT METRA ACCESS
VILLAGE OF BARRINGTON, ILLINOIS

SCALE: AS NOTED | SHEET NO. 2 OF 2 SHEETS | STA. 12+00 | TO STA. 13+50

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	12-00089-00-PK	COOK	90	90
		CONTRACT #:	61E91	
		ILLINOIS FED. AID PROJECT		