

INDEX OF SHEETS (SEE SHEET 2 )  
 HIGHWAY STANDARDS (SEE SHEET 2 )

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

FAU 3569 (BLOOMINGBANK ROAD), BARRYPPOINT ROAD TO RIVERSIDE ROAD  
 FAU 1693 (RIVERSIDE ROAD), QUINCY STREET TO BNSF RR  
 RESURFACING, SIDEWALKS, INTERSECTION IMPROVEMENTS, LANDSCAPING  
 SECTION No. 17-00084-00-MS  
 PROJECT No. H6BY(634)  
 VILLAGE OF RIVERSIDE  
 COOK COUNTY  
 JOB No: C-91-151-18

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3569 1693	17-00084-00-MS	COOK	29	1
		ILLINOIS	CONTRACT NO. 61E89	



LOCATION OF SECTION INDICATED THIS: - [Symbol] -

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 STATE OF ILLINOIS

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

APPROVED: *[Signature]* May 4, 2018  
 PUBLIC WORKS DIRECTOR, VILLAGE OF RIVERSIDE

PASSED: JUNE 11 2018  
*[Signature]*  
 DISTRICT ENGINEER OF LOCAL ROADS AND STREETS

RELEASING FOR  
 BID BASED ON  
 LIMITED REVIEW: JUNE 15 2018  
*[Signature]*  
 REGIONAL ENGINEER

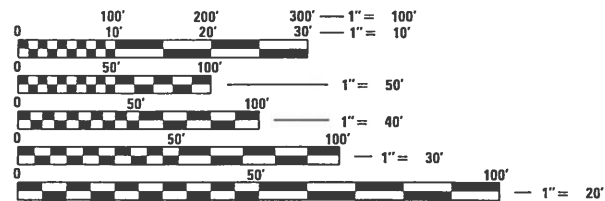
TRAFFIC DATA

BLOOMINGBANK ROAD  
 ADT (YEAR) = 2100 (2014)  
 SPEED LIMIT = 25 MPH

DESIGN DESIGNATION: MINOR COLLECTOR (URBAN)

LONGCOMMON ROAD  
 ADT (YEAR) = 2700 (2014)  
 SPEED LIMIT = 25 MPH

DESIGN DESIGNATION: MAJOR COLLECTOR (URBAN)

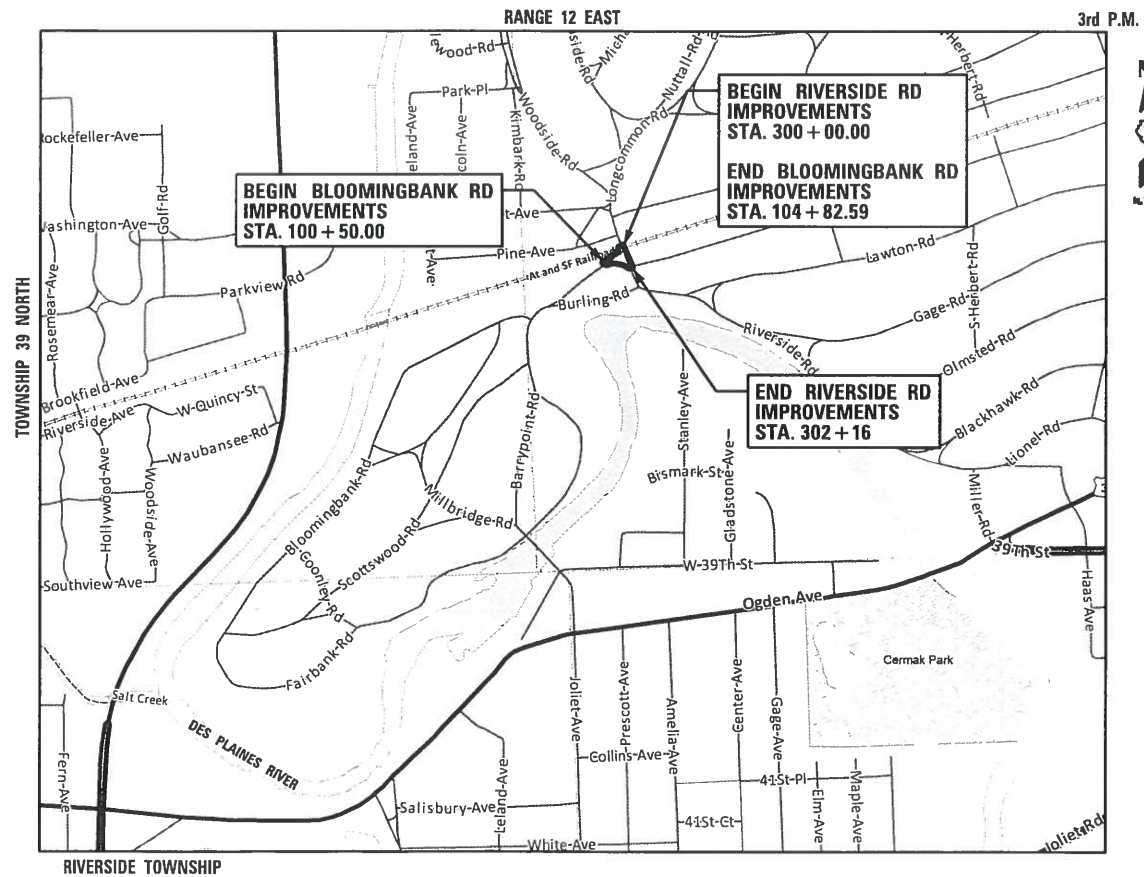


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD  
 ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT  
 CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS  
 ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

**CB** CHRISTOPHER B. BURKE ENGINEERING, LTD.  
 9575 W. Higgins Road, Suite 600  
 Rosemont, Illinois 60018  
 (847) 823-0500

PROFESSIONAL DESIGN FIRM NO. 184-001175  
 EXPIRATION DATE: 04/30/19



LOCATION MAP  
 N.T.S.

<b>LONGCOMMON ROAD</b> GROSS LENGTH = 216 LINEAL FEET (0.04 MILES) NET LENGTH = 216 LINEAL FEET (0.04 MILES)	<b>TOTAL</b> GROSS LENGTH = 696 LINEAL FEET (0.13 MILES) NET LENGTH = 696 LINEAL FEET (0.13 MILES)
<b>BLOOMINGBANK ROAD</b> GROSS LENGTH = 480 LINEAL FEET (0.09 MILES) NET LENGTH = 480 LINEAL FEET (0.09 MILES)	



May 10 2018  
*[Signature]*  
 DOUGLAS J. GOTHAM  
 ILLINOIS REGISTRATION No. 157-000575  
 EXPIRATION DATE: 08/31/18



MAY 10 2018  
*[Signature]*  
 ANTHONY J. DeRICCO  
 ILLINOIS REGISTRATION No. 062-057484  
 EXPIRATION DATE: 11/30/2019



May 10 2018  
*[Signature]*  
 ORION C. GALEY  
 ILLINOIS REGISTRATION No. 062-060829  
 EXPIRATION DATE: 11/30/2019

CONTRACT NO. 61E89

GENERAL NOTES

- ALL CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE DETAILS IN THE PLANS, THE SPECIAL PROVISIONS INCLUDED IN THE CONTRACT DOCUMENTS, AND THE CURRENT EDITION OF THE FOLLOWING STATE OF ILLINOIS SPECIFICATIONS: (REFERRED TO AS THE "STANDARD SPECIFICATIONS"), THE "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS", THE "STANDARD SPECIFICATIONS FOR TRAFFIC CONTROL ITEMS", THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS", THE "MANUAL OF TEST PROCEDURES FOR MATERIALS" AND THE "STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTIONS IN ILLINOIS."
- ANY EXISTING OR PROPOSED STORM SEWER DAMAGED BY THE CONTRACTOR DURING CONSTRUCTION SHALL BE REPLACED BY THE CONTRACTOR
- EXPOSED SUBGRADE MUST BE COVERED WITHIN 24 HOURS OF EXCAVATION. UNSTABLE SUBGRADE AREAS, AS DETERMINED BY THE ENGINEER, RESULTING FROM THE CONTRACTOR'S FAILURE TO COVER THE SUBGRADE SHALL BE EXCAVATED AND BACKFILLED WITH POROUS GRANULAR EMBANKMENT, SUBGRADE.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING THE OWNERS OF ALL EXISTING FACILITIES SO THAT THE UTILITIES AND THEIR APPURTENANCES MAY BE LOCATED AND/OR ADJUSTED, IF NECESSARY, PRIOR TO THE START OF CONSTRUCTION OPERATIONS.
- THE LOCATIONS OF EXISTING DRAINAGE STRUCTURES, STORM AND SANITARY SEWERS, WATER SERVICE LINES AND OTHER UTILITY LINES ARE APPROXIMATE, AND THE VERTICAL LOCATIONS ARE TO BE DETERMINED IN THE FIELD BY THE CONTRACTOR.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UNDERGROUND OR SURFACE UTILITIES EVEN THOUGH THEY MAY NOT BE SHOWN ON THE PLANS. ANY UTILITY THAT IS DAMAGED BY THE CONTRACTOR DURING CONSTRUCTION SHALL BE REPAIRED TO THE SATISFACTION OF THE ENGINEER OR OWNER, OR REPLACED.
- WHEN IT IS NECESSARY TO SHUT OFF A WATER MAIN, THE CONTRACTOR SHALL PROVIDE THE VILLAGE A MINIMUM 48 HOUR ADVANCE NOTICE, AND THE CONTRACTOR WILL BE RESPONSIBLE FOR NOTIFYING ALL AFFECTED RESIDENTS. THE VILLAGE WILL PROVIDE THE NECESSARY FORMS AND DETERMINE THE LIMITS OF AFFECTED AREAS.
- THE CONTRACTOR SHALL NOT OPEN OR SHUT ANY WATER VALVES OR FIRE HYDRANTS. IF WATER IS NEEDED DURING CONSTRUCTION ACTIVITIES THE CONTRACTOR MUST CONTACT THE RIVERSIDE WATER DEPARTMENT AT (708) 442-3590.
- BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "J.U.L.I.E." AT 800-892-0123 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE, CABLE AND GAS FACILITIES AND THE VILLAGE OF RIVERSIDE PUBLIC WORKS DEPT. AT (708) 442-3590 FOR FIELD LOCATIONS OF BURIED WATER, SANITARY AND STORM FACILITIES (48-HOUR ADVANCE NOTIFICATION IS REQUIRED).
- DURING CONSTRUCTION OPERATIONS, WHENEVER ANY LOOSE MATERIAL IS DEPOSITED IN THE FLOW LINES OF DRAINAGE STRUCTURES SUCH THAT THE NATURAL FLOW OF WATER IS OBSTRUCTED, IT SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY. AT THE CONCLUSION OF CONSTRUCTION, ALL DRAINAGE AND UTILITY STRUCTURES SHALL BE FREE OF DIRT AND DEBRIS.
- ALL SEWER AND WATER SERVICES CROSSED BY NEW STORM SEWERS SHALL BE PROPERLY LOCATED AND PROTECTED DURING CONSTRUCTION. ANY DAMAGE DONE TO SAID SERVICES NOT CONSIDERED TO BE IN CONFLICT WITH THE PROPOSED CONSTRUCTION SHALL BE REPAIRED BY THE CONTRACTOR.
- THE ENDS OF EXISTING DRAINAGE LINES AND HOLES IN EXISTING MANHOLES WHICH ARE NOT TO BE INCORPORATED INTO THE PROPOSED IMPROVEMENTS DESIGNATED BY THE ENGINEER SHALL BE SEALED WITH A PORTLAND CEMENT MORTAR TO THE SATISFACTION OF THE ENGINEER.
- THE CONTRACTOR SHALL CONFIRM ALL EXISTING STORM SEWER PIPE SIZES AND INVERTS PRIOR TO ORDERING STRUCTURES. ANY MODIFICATION OF STRUCTURES DUE TO THE FAILURE OF THE CONTRACTOR TO PERFORM THIS TASK AND MAY LEAD TO THE REJECTION OF THE STRUCTURE IN THE FIELD. PIPE TYPES INDICATED ON THESE PLANS AT THE STRUCTURE CALL-OUTS ARE THE EXISTING TYPES IDENTIFIED IN THE FIELD. PROPOSED PIPE IS PVC.
- THE CONTRACTOR SHALL PROVIDE ACCESS TO ABUTTING PROPERTIES AT ALL TIMES DURING THE CONSTRUCTION OF THIS PROJECT EXCEPT FOR PERIODS OF SHORT DURATION AS APPROVED BY THE ENGINEER.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO ORDERING MATERIALS AND BEGINNING CONSTRUCTION.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR RE-ERECTING ALL SIGNS AND POSTS REMOVED DURING CONSTRUCTION. IF DURING CONSTRUCTION THE CONTRACTOR DAMAGES ANY EXISTING SIGNS, HE/SHE WILL REPLACE THE SIGN.
- THE CONTRACTOR SHALL SAWCUT AND REMOVE ONLY THE NECESSARY AREA OF EXISTING PAVEMENT NEEDED TO INSTALL PROPOSED STORM SEWER.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING ALL AFFECTED RESIDENTS AND THE VILLAGE OF RIVERSIDE 48 HOURS PRIOR TO ANY ROAD CLOSURE.
- AT THE END OF EACH DAY, IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO ASSURE THAT ALL STREETS ADJACENT TO THE PROJECT ARE FREE OF ALL CONSTRUCTION RELATED DEBRIS INCLUDING DIRT, STONE, NAILS ETC. THIS WORK SHALL BE DONE TO THE SATISFACTION OF THE ENGINEER AS COORDINATED WITH THE VILLAGE OF RIVERSIDE.
- THE CONTRACTOR SHALL COMPLETE ALL UTILITY WORK PRIOR TO PAVEMENT REMOVAL. THE CONTRACTOR SHALL ONLY REMOVE THE PORTION OF PAVEMENT NECESSARY TO INSTALL PROPOSED UTILITIES. PAVEMENT REMOVED FOR UTILITY WORK SHALL BE RESTORED AS INDICATED ON THE PLANS. ALL PAVEMENT REMOVED FOR UTILITY WORK MUST BE SAWCUT.
- THE CONTRACTOR AND ENGINEER SHALL FIELD VERIFY ALL DRAINAGE STRUCTURES TO DETERMINE WHETHER EACH STRUCTURE REQUIRES REMOVAL AND REPLACEMENT, RECONSTRUCTION, OR ADJUSTMENTS
- THE CONTRACTOR AND ENGINEER SHALL FIELD VERIFY ALL THE EXISTING PAVEMENT AFTER THE EXISTING BITUMINOUS SURFACE IS REMOVED TO DETERMINE THE AREAS THAT PATCHING IS REQUIRED
- CURB HEIGHTS SHOWN ON THE PLANS ARE ESTIMATED. THE CONTRACTOR SHALL LOWER THE CURB HEIGHT AS NECESSARY TO ACHIEVE POSITIVE DRAINAGE FROM THE FRONT OF WALK TO THE BACK OF CURB. NO CURB HEAD HEIGHT SHALL BE POURED LESS THAN 3 INCHES
- ALL REMOVED FRAMES AND LIDS SHALL BE DELIVERED TO THE PUBLIC WORKS FACILITY AT 3860 COLUMBUS BLVD, RIVERSIDE, ILLINOIS.
- THE CONTRACTOR SHALL BE CAUTIOUS OF HEAVY STUDENT FOOT TRAFFIC DURING THE HOURS OF 8:00 AM - 8:30 AM AND 2:30 PM - 3:15 PM. SEVERAL AREA SCHOOLS ARE LOCATED NEAR THE CONSTRUCTION LIMITS
- IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO COORDINATE WITH THE BNSF RAILROAD WHENEVER CONSTRUCTION ACTIVITY IS WITHIN 25 FEET OF THE RAILROAD ROW. THE CONTRACTOR SHALL RETAIN FLAGMEN EMPLOYED AND DESIGNATED BY THE BNSF 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.

MWRD TYPICAL GENERAL NOTES

- THE MWRD LOCAL SEWER SYSTEMS SECTION FIELD OFFICE MUST BE NOTIFIED AT LEAST TWO (2) WORKING DAYS PRIOR TO THE COMMENCEMENT OF ANY WORK (CALL 708-588-4055).
- ELEVATION DATUM IS CCD.
- NO FLOOR DRAINS
- NO FOOTING DRAINS AND DOWNSPOUTS
- ALL SANITARY SEWER PIPE MATERIALS AND JOINTS (AND STORM SEWER PIPE MATERIALS AND JOINTS IN A COMBINED SEWER AREA) SHALL CONFORM TO:
 

PIPE MATERIAL SPEC.	JOINT SPEC.
VITRIFIED CLAY PIPE	
VCP C-700	C-425
VCP (NO-BEL) C-700	
JOINT	C-425
COLLAR	D-1784
CONCRETE PIPE C-14	C-443
RCP C-76	C-443
ACP C-428	D-1869
ABS SEWER PIPE	
SOLID WALL 6" DIA.	SDR 23.5
ABS D-2751	D-2751
ABS COMPOSITE/TRUSS PIPE	
8 1/2" DIA.	
ABS D-2680	D-2680
PVC GRAVITY SEWER PIPE	
6"-15" DIA. SDR 26	
D-3034	D-3212 OR
D-2855	
18"-27" DIA. F/DY=46	
F-679	D-3212 OR
D-2855	
CISP A-74	C-564
DIP A-21.51	A-21.11

(NOTE: THE DISTRICT HAS APPROVED LESS COMMON PIPE MATERIALS ON A QUALIFIED BASIS IN ADDITION TO THOSE ABOVE. PLEASE CONTACT THE DISTRICT IF CONSIDERING USING PIPE NOT LISTED ABOVE.)

- ALL SANITARY SEWER CONSTRUCTION (AND STORM SEWER CONSTRUCTION IN COMBINED SEWER AREAS), REQUIRES STONE BEDDING WITH STONE 1\*4" TO 1" IN SIZE, WITH MINIMUM BEDDING THICKNESS EQUAL TO 1/4 THE OUTSIDE DIAMETER OF THE SEWER PIPE, BUT NOT LESS THAN FOUR (4) INCHES NOR MORE THAN EIGHT (8) INCHES. MATERIAL SHALL BE CA-11 OR CA-13 AND SHALL BE EXTENDED AT LEAST 12" ABOVE THE TOP OF THE PIPE WHEN USING PVC.
- COUPLINGS THAT CREATE A WATERTIGHT SEAL SHALL BE USED IN THE CONNECTION OF SEWER PIPES OF DISSIMILAR MATERIALS.
- WHEN CONNECTING TO AN EXISTING SEWER MAIN BY MEANS OTHER THAN AN EXISTING WYE, TEE, OR AN EXISTING MANHOLE, ONE OF THE FOLLOWING METHODS SHALL BE USED:
  - CIRCULAR SAW-CUT OF SEWER MAIN BY PROPER TOOLS AND PROPER INSTALLATION OF A SADDLE.
  - REMOVE AN ENTIRE SECTION OF PIPE (BREAKING ONLY THE TOP OF ONE BELL) AND REPLACE WITH A WYE OR TEE BRANCH SECTION.
  - WITH PIPE CUTTER, NEATLY AND ACCURATELY CUT OUT DESIRED LENGTH OF PIPE FOR INSERTION OF PROPER FITTING, USING WATER TIGHT SEAL COUPLINGS TO HOLD IT FIRMLY IN PLACE.
- WHENEVER A SANITARY/COMBINED SEWER CROSSES UNDER A WATERMAIN, THE MINIMUM VERTICAL DISTANCE FROM THE TOP OF THE SEWER TO THE BOTTOM OF THE WATERMAIN SHALL BE 18 INCHES. FURTHERMORE, A MINIMUM HORIZONTAL DISTANCE OF 10 FEET BETWEEN SANITARY/COMBINED SEWERS AND WATERMANS SHALL BE MAINTAINED UNLESS: THE SEWER IS LAID IN A SEPARATE TRENCH, KEEPING A MINIMUM 18" VERTICAL SEPARATION; OR THE SEWER IS LAID IN THE SAME TRENCH WITH THE WATERMAIN LOCATED AT THE OPPOSITE SIDE ON A BENCH OF UNDISTURBED EARTH, KEEPING A MINIMUM 18" VERTICAL SEPARATION. IF EITHER THE VERTICAL OR HORIZONTAL DISTANCES DESCRIBED ABOVE CAN NOT BE MAINTAINED, OR THE SEWER CROSSES ABOVE THE WATERMAIN, THE SEWER SHALL BE CONSTRUCTED TO WATERMAIN STANDARDS.
- ALL EXISTING SEPTIC SYSTEMS SHALL BE ABANDONED. ABANDONED TANKS SHALL BE FILLED WITH GRANULAR MATERIAL OR REMOVED.
- ALL SANITARY MANHOLES, (AND STORM MANHOLES IN COMBINED SEWER AREAS), SHALL HAVE A MINIMUM INSIDE DIAMETER OF 48 INCHES, AND SHALL BE CAST IN PLACE OR PRE-CAST REINFORCED CONCRETE.
- ALL INLET AND OUTLET PIPES OF SANITARY SEWER MANHOLES AND OTHER UNDERGROUND STRUCTURES (AND IN COMBINED SEWER AREAS, ALSO ALL COMBINED/STORM SEWER MANHOLES, CATCH BASINS, INLETS, AND UNDERGROUND DETENTION STORAGE STRUCTURES) SHALL BE JOINED WITH WATERTIGHT FLEXIBLE RUBBER CONNECTORS CONFORMING TO A.S.T.M. C-4443 AND C-923 WITH STAINLESS STEEL BAND.

INDEX OF SHEETS

DESCRIPTION	SHEET NO
COVER SHEET	1
GENERAL NOTES	2
SUMMARY OF QUANTITIES	3
TYPICAL SECTIONS	4 - 5
ALIGNMENT, TIES AND BENCHMARKS	6
REMOVAL PLAN	7
PROPOSED PLAN	8
PAVEMENT MARKING PLAN	9
ROADWAY GRADING	10
PARKWAY AND ADA GRADING	11 - 14
LANDSCAPING PLAN	15 - 16
ELECTRICAL PLAN	17 - 19
CONSTRUCTION DETAILS	20 - 22
DISTRICT ONE DETAILS	23 - 29
<b>DISTRICT ONE DETAILS</b>	
DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING	BD-08
PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT	BD-22
BUTT JOINT AND HMA TAPER DETAILS	BD-32
TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS AND DRIVEWAYS	TC-10
DISTRICT I TYPICAL PAVEMENT MARKINGS	TC-13
SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS	TC-16
ARTERIAL ROAD INFORMATION SIGN	TC-22
<b>HIGHWAY STANDARDS</b>	
STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS	000001-06
PERPENDICULAR CURB RAMPS FOR SIDEWALKS	424001-10
DIAGONAL CURB RAMPS FOR SIDEWALKS	424006-03
CORNER PARALLEL CURB RAMPS FOR SIDEWALKS	424011-03
MID BLOCK CURB RAMPS FOR SIDEWALKS	424016-04
DEPRESSED CORNER FOR SIDEWALKS	424021-04
ENTRANCE/ALLEY PEDESTRIAN CROSSINGS	424026-02
CLASS C AND D PATCHES	442201-03
CATCH BASIN, TYPE A	602001-02
MANHOLE, TYPE A	602401-04
PRECAST REINFORCED CONCRETE FLAT SLAB TOP	602601-05
MANHOLE STEPS	602701-02
FRAME AND LIDS, TYPE 1	604001-04
CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER	606001-07
OFF - ROAD OPERATIONS, 2L, 2W, 15' (4.5 M) TO 24" (600 MM) FROM PAVEMENT EDGE	701006-05
OFF-ROAD MOVING OPERATIONS, 2L, 2W, DAY ONLY	701011-04
LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS	701301-04
LANE CLOSURE, 2L, 2W MOVING OPERATIONS - DAY ONLY	701311-03
URBAN LANE CLOSURE, 2L, 2W-UNDIVIDED	701501-06
URBAN LANE CLOSURE MULTILANE INTERSECTION	701701-10
SIDEWALK CORNER OR CROSSWALK CLOSURE	701801-06
TRAFFIC CONTROL DEVICES	701901-07
SIGN PANEL MOUNTING DETAILS	720001-01
SIGN PANEL ERECTION DETAILS	720006-04
TYPICAL PAVEMENT MARKINGS	780001-05

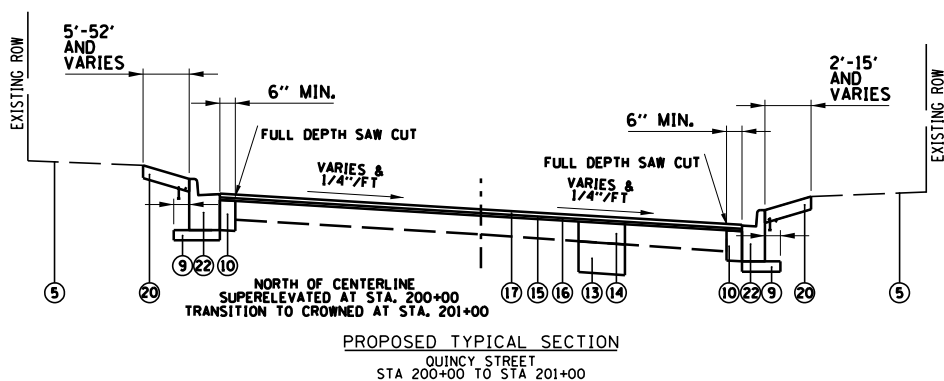
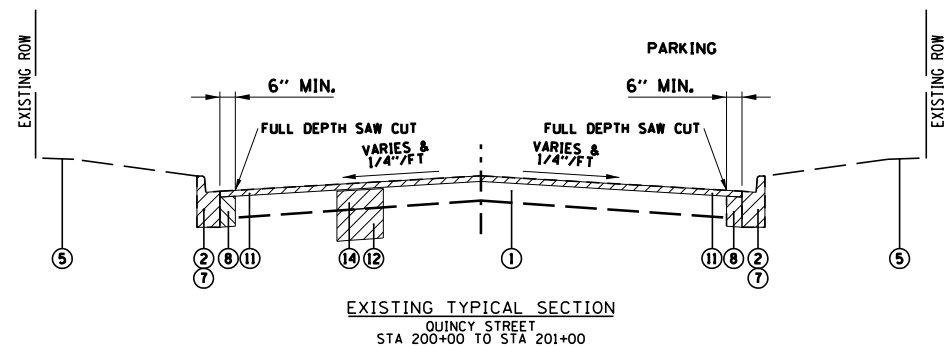
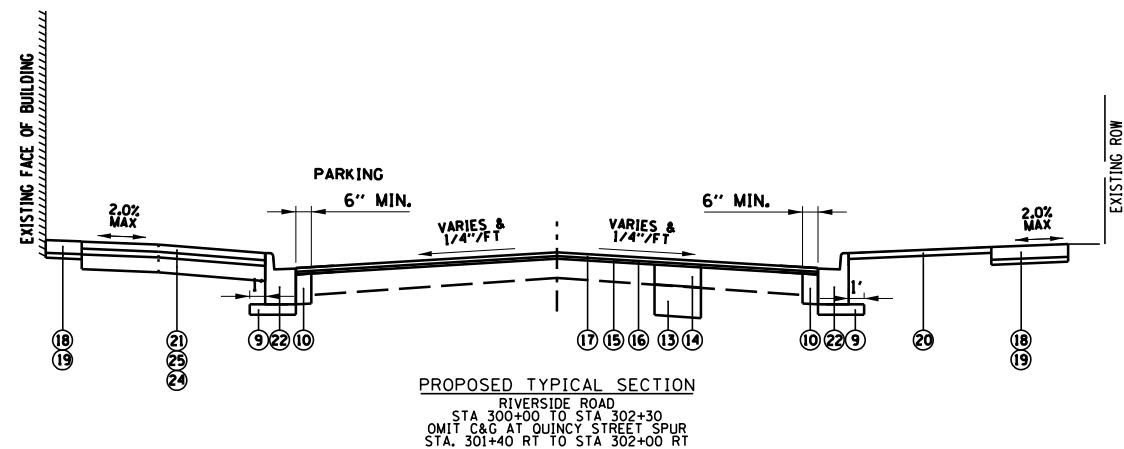
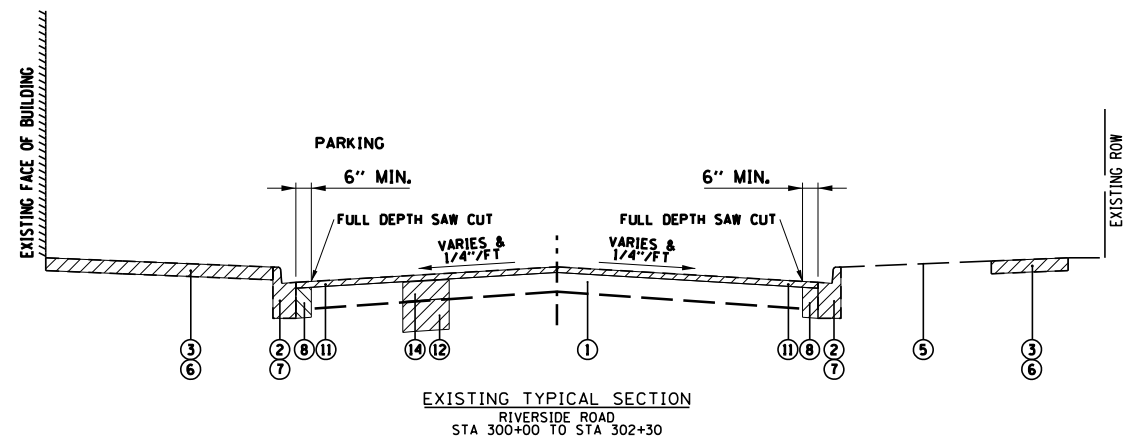


# SUMMARY OF QUANTITIES

CODE NUMBER	ITEM	UNIT	0004 TOTAL QUANTITY
20101000	TEMPORARY FENCE	FOOT	384
S 20101200	TREE ROOT PRUNING	EACH	7
20200100	EARTH EXCAVATION	CU YD	152
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	50
20800150	TRENCH BACKFILL	CU YD	109
S * 21101810	COMPOST FURNISH AND PLACE, 3"	SQ YD	145
S 25200200	SUPPLEMENTAL WATERING	UNIT	5
28000510	INLET FILTERS	EACH	7
* 30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	50
35101500	AGGREGATE BASE COURSE, TYPE B	CU YD	158
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	1874
40600400	MIXTURE FOR CRACKS, JOINTS AND FLANGEWAYS	TON	5
40600625	LEVELING BINDER (MACHINE METHOD), N50	TON	167
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	72
40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	241
42400800	DETECTABLE WARNINGS	SQ FT	90
44000100	PAVEMENT REMOVAL	SQ YD	926
44000300	CURB REMOVAL	FOOT	49
44000500	COMBINATION CONCRETE CURB AND GUTTER REMOVAL	FOOT	999
* 44000600	SIDEWALK REMOVAL	SQ FT	3951
44201713	CLASS D PATCHES, TYPE I, 6 INCH	SQ YD	32
44201717	CLASS D PATCHES, TYPE II, 6 INCH	SQ YD	60
44201721	CLASS D PATCHES, TYPE III, 6 INCH	SQ YD	101
44201723	CLASS D PATCHES, TYPE IV, 6 INCH	SQ YD	156
* 56500600	DOMESTIC WATER SERVICE BOX TO BE ADJUSTED	EACH	2
60200105	CATCH BASIN, TYPE A, 4' DIAMETER, TYPE 1 FRAME, OPEN LID	EACH	2
60206905	CATCH BASIN, TYPE C, TYPE 1 FRAME, OPEN LID	EACH	1
60300410	VALVE BOX FRAMES TO BE ADJUSTED WITH NEW FRAMES	EACH	2
60406000	FRAMES AND LIDS, TYPE 1, OPEN LID	EACH	1
60406100	FRAMES AND LIDS, TYPE 1, CLOSED LID	EACH	1
60600605	CONCRETE CURB, TYPE B	FOOT	127
* INDICATES A SPECIAL PROVISION			
S INDICATES A SPECIALTY ITEM			

CODE NUMBER	ITEM	UNIT	0004 TOTAL QUANTITY
* 61140000	STORM SEWERS (SPECIAL), 8"	FOOT	90
67100100	MOBILIZATION	L SUM	1
70102620	TRAFFIC CONTROL AND PROTECTION STANDARD 701501	L SUM	1
70102635	TRAFFIC CONTROL AND PROTECTION STANDARD 701701	L SUM	1
70102640	TRAFFIC CONTROL AND PROTECTION STANDARD 701801	L SUM	1
70107005	PAVEMENT MARKING BLACKOUT TAPE, 5"	FOOT	260
70107007	PAVEMENT MARKING BLACKOUT TAPE, 7"	FOOT	145
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	520
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	110
70300100	SHORT TERM PAVEMENT MARKING	FOOT	630
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	210
S 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	47
S 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	676
S 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	370
S 78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	111
S 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	20
S 78000610	THERMOPLASTIC PAVEMENT MARKING - LINE 16"	FOOT	44
S 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	50
S 81028710	UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 3/4" DIA	FOOT	325
S 81702100	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 12	FOOT	980
S * 89502376	REBUILD EXISTING HANDHOLE	EACH	1
S * A2005040	TREE, GYMNOCLADUS DIOICUS ESPRESSO-JFS (ESPRESSO KENTUCKY COFFEETREE), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	1
S * B2000766	TREE, AMELANCHIER X GRANDIFLORA AUTUMN BRILLIANCE (AUTUMN BRILLIANCE SERVICE BERRY), 6' HEIGHT, SHRUB FORM, BALLED AND BURLAPPED	EACH	2
S * A2C05660	TREE, OSTRYA VIRGINIANA (IRONWOOD), 7' HEIGHT, CLUMP FORM, BALLED AND BURLAPPED	EACH	3
S * C2003424	SHRUB, HYDRANGEA ARBORESCENS ANNABELLE (ANNABELLE SMOOTH HYDRANGEA), 2' HEIGHT, BALLED AND BURLAPPED	EACH	8
S * C2C06218	SHRUB, RIBES AMERICANUM (WILD BLACK CURRANT), 18" HEIGHT, CONTAINER	EACH	32
S * K0012990	PERENNIAL PLANTS, ORNAMENTAL TYPE, GALLON POT	UNIT	3
S * K1003680	MULCH	SQ YD	362
* INDICATES A SPECIAL PROVISION			
S INDICATES A SPECIALTY ITEM			

CODE NUMBER	ITEM	UNIT	0004 TOTAL QUANTITY
S * X0322792	BEDDING MATERIAL, SPECIAL	CU YD	27
* X0327319	COMBINED SEWERS, CLASS A, TYPE 2, 24"	FOOT	20
S * X0324345	COMBINED SEWER REMOVAL 24"	FOOT	30
S * X0325170	PLANTING BED PREPARATION	SQ FT	943
* X0326862	STRUCTURES TO BE ADJUSTED	EACH	6
S * X0539700	TREE FRAME AND GRATE	EACH	3
S * X0840000	SANITARY SEWER REMOVAL 8"	FOOT	20
S * X1800014	DIERVILLA KODIAK ORANGE (KODIAK ORANGE BUSH-HONEYSUCKLE), 24" HEIGHT, 5 GALLON CONTAINER	EACH	31
S * X2520700	SODDING, (SPECIAL)	SQ YD	573
* X4401198	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	SQ YD	2756
S * X6022810	MANHOLES, SANITARY, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1
S * X6022820	MANHOLES, SANITARY, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1
* X6030310	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)	EACH	3
* X6064200	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (SPECIAL)	FOOT	1304
* X6640200	TEMPORARY CHAIN LINK FENCE	FOOT	350
S * X8140230	HANDHOLE, COMPOSITE CONCRETE (SPECIAL)	EACH	2
* XX007899	MASONRY WALL	FOOT	79
S * XX008910	PAVEMENT MARKING (SPECIAL)	SQ FT	847
* XX024100	EXPOSED AGGREGATE SURFACE	SQ FT	2395
S * Z0059600	SANITARY SEWER, TYPE 2 8"	FOOT	25
* Z0003855	BICYCLE RACKS	EACH	10
* Z0004002	BOLLARDS	EACH	6
* Z0017800	DRAINAGE & UTILITY STRUCTURES TO BE RECONSTRUCTED (SPECIAL)	EACH	2
* Z0018700	DRAINAGE STRUCTURE TO BE REMOVED	EACH	3
* Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	103
S * Z0033024	MAINTAIN EXISTING LIGHTING SYSTEM	L SUM	1
* Z0062458	TEMPORARY PAVEMENT (VARIABLE DEPTH)	TON	20
* Z0007430	TEMPORARY SIDEWALK	SQ FT	1500
* Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM	1
* XX003219	UNIT PAVERS	SQ FT	7013
* INDICATES A SPECIAL PROVISION			
S INDICATES A SPECIALTY ITEM			



HOT-MIX ASPHALT MIXTURE REQUIREMENTS	
MIXTURE ITEM	AIR VOIDS @ Ndes
<b>PAVEMENT RESURFACING</b>	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL 9.5mm); 1.5"	4% @ 50 GYR
LEVELING BINDER (MACHINE METHOD), N50; 1"	4% @ 50 GYR
<b>PATCHING</b>	
CLASS D PATCHES (HMA BINDER IL-19mm); 6" (IN 2 LIFTS)	4% @ 70 GYR
<b>TEMPORARY PAVEMENT</b>	
HMA SURFACE COURSE, MIX "D", N70 (IL 9.5mm), VARIABLE	4% @ 70 GYR
<b>TEMPORARY SIDEWALK</b>	
HMA SURFACE COURSE, MIX "D", N70 (IL 9.5mm), 2"	4% @ 70 GYR

**NOTES:**  
 THE UNIT WEIGHT USED TO CALCULATE ALL HMA MIXTURE QUANTITIES IS 112 LBS/50 YD/IN.  
 THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISIONS.  
 FOR HMA FULL DEPTH "AC TYPE" SEE SPECIAL PROVISIONS.  
 FOR USE OF RECYCLED MATERIALS SEE SPECIAL PROVISIONS.  
 EXISTING HMA PAVEMENT SHALL BE MILLED PRIOR TO CLASS D PATCHING.

**LEGEND**

- ▨ ITEMS TO BE REMOVED
- ① EXISTING HMA PAVEMENT
- ② EXISTING COMBINATION CONCRETE CURB AND GUTTER
- ③ EXISTING EXPOSED AGGREGATE SURFACE
- ④ EXISTING PORTLAND CEMENT CONCRETE SIDEWALK
- ⑤ EXISTING SOIL AND GROUND COVER
- ⑥ SIDEWALK REMOVAL (AS DIRECTED BY THE ENGINEER IN THE FIELD)
- ⑦ COMBINATION CONCRETE CURB AND GUTTER REMOVAL (AS DIRECTED BY THE ENGINEER IN THE FIELD)
- ⑧ EXISTING PAVEMENT REMOVAL (INCLUDED IN THE COST OF COMBINATION CONCRETE CURB AND GUTTER TYPE B-6.12, SPECIAL)
- ⑨ SUBBASE GRANULAR MATERIAL, TYPE B, 4" (INCLUDED IN THE COST OF COMBINATION CONCRETE CURB AND GUTTER TYPE B-6.12, SPECIAL)
- ⑩ P.C.C. BASE COURSE (INCLUDED IN THE COST OF COMBINATION CONCRETE CURB AND GUTTER TYPE B-6.12, SPECIAL)
- ⑪ HOT MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH
- ⑫ REMOVAL AND DISPOSAL OF UNSUITABLE MATERIALS (AS DIRECTED BY THE ENGINEER IN THE FIELD)
- ⑬ AGGREGATE SUBGRADE IMPROVEMENT (AS DIRECTED BY THE ENGINEER IN THE FIELD)
- ⑭ CLASS D PATCHES, VARIOUS TYPES, 6 INCH (AS DIRECTED BY THE ENGINEER IN THE FIELD)
- ⑮ BITUMINOUS MATERIALS (TACK COAT)
- ⑯ LEVELING BINDER (MACHINE METHOD), N50 (1" MIN.)
- ⑰ HMA SURFACE COURSE, MIX "D", N50 - 1.5"
- ⑱ EXPOSED AGGREGATE SURFACE (AS DIRECTED BY THE ENGINEER IN THE FIELD)
- ⑲ 2" AGGREGATE BASE COURSE (INCLUDED IN THE COST OF PORTLAND CEMENT CONCRETE SIDEWALK, 5" AND EXPOSED AGGREGATE SURFACE)
- ⑳ SODDING, (SPECIAL)
- ㉑ UNIT PAVERS
- ㉒ COMBINATION CONCRETE CURB AND GUTTER TYPE B-6.12 (SPECIAL)
- ㉓ BEDDING MATERIAL, SPECIAL OR PLANTING BED PREPARATION
- ㉔ AGGREGATE BASE COURSE, TYPE B (INCLUDED IN THE COST OF UNIT PAVERS)
- ㉕ BEDDING SAND, 2 1/4" (INCLUDED IN THE COST OF UNIT PAVERS)
- ㉖ PAVEMENT REMOVAL
- ㉗ CONCRETE CURB, TYPE B
- ㉘ MASONRY WALL FOR PLANTING BED (SEE CONSTRUCTION DETAILS)

FILE NAME =	USER NAME = dschroeder	DESIGNED -	REVISED -
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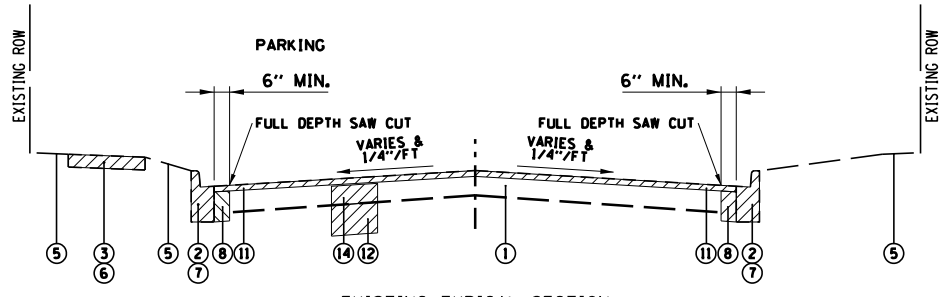
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TYPICAL SECTIONS  
METRA STATION PEDESTRIAN ACCESS IMPROVEMENTS**

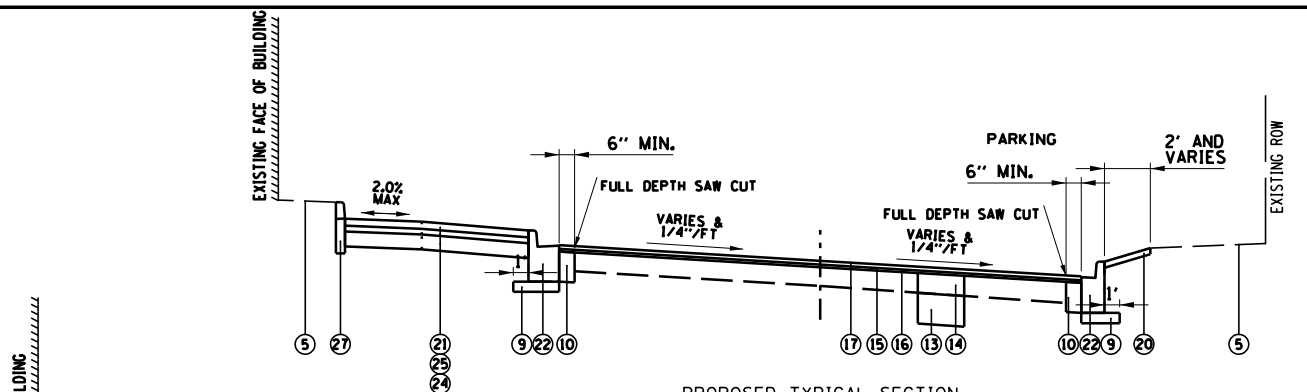
SCALE: SHEET 1 OF 2 SHEETS STA. TO STA.

F.A.U. RTES.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1693 3569	17-00084-00-M5	COOK	29	4
CONTRACT NO. 61E89				
ILLINOIS FED. AID PROJECT				

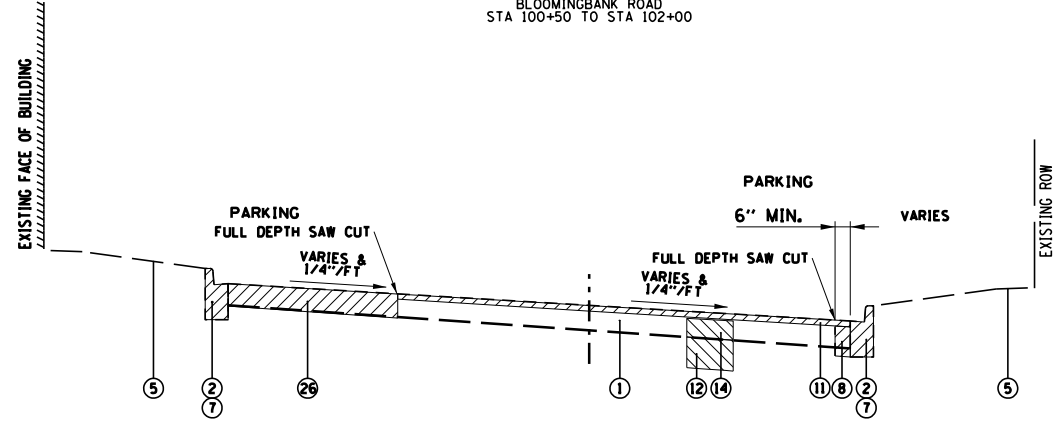




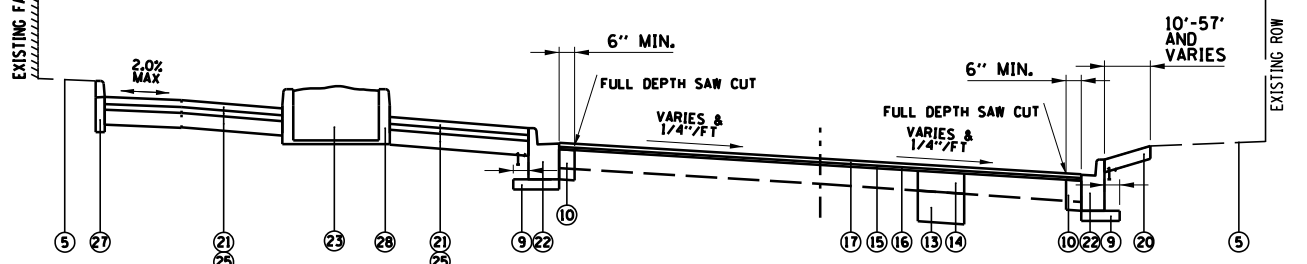
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BLOOMINGBANK ROAD  
STA 100+50 TO STA 102+00



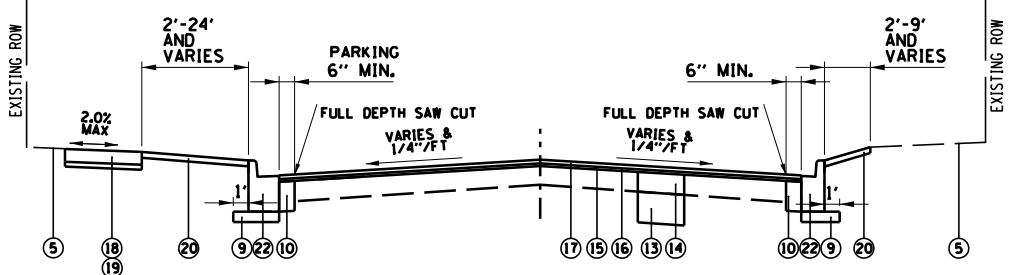
PROPOSED TYPICAL SECTION  
BLOOMINGBANK ROAD  
STA 102+00 TO STA 103+40



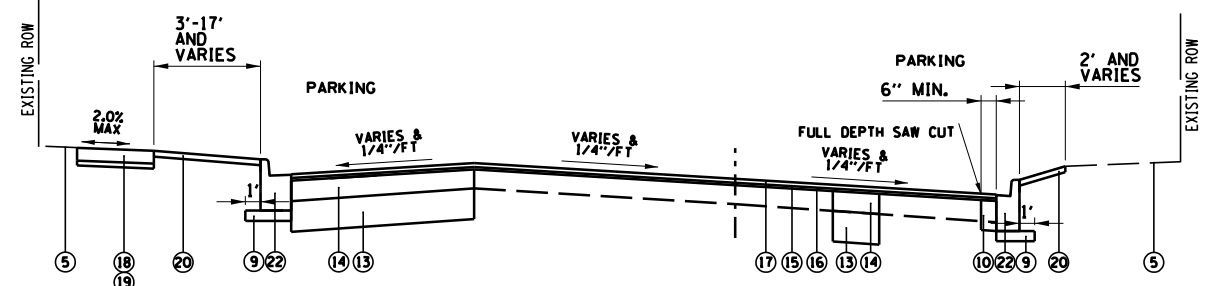
EXISTING TYPICAL SECTION  
BLOOMINGBANK ROAD  
STA 102+00 TO STA 104+30  
OMIT C&G AT QUINCY STREET SPUR  
STA. 102+29 RT TO STA 103+37 RT



PROPOSED TYPICAL SECTION  
BLOOMINGBANK ROAD  
STA 103+40 TO STA 104+30



PROPOSED TYPICAL SECTION  
BLOOMINGBANK ROAD  
STA 100+50 TO STA 101+00



PROPOSED TYPICAL SECTION  
BLOOMINGBANK ROAD  
STA 101+00 TO STA 102+00

LEGEND

- ▨ ITEMS TO BE REMOVED
- ① EXISTING HMA PAVEMENT
- ② EXISTING COMBINATION CONCRETE CURB AND GUTTER
- ③ EXISTING EXPOSED AGGREGATE SURFACE
- ④ EXISTING PORTLAND CEMENT CONCRETE SIDEWALK
- ⑤ EXISTING SOIL AND GROUND COVER
- ⑥ SIDEWALK REMOVAL (AS DIRECTED BY THE ENGINEER IN THE FIELD)
- ⑦ COMBINATION CONCRETE CURB AND GUTTER REMOVAL (AS DIRECTED BY THE ENGINEER IN THE FIELD)
- ⑧ EXISTING PAVEMENT REMOVAL (INCLUDED IN THE COST OF COMBINATION CONCRETE CURB AND GUTTER TYPE B-6.12, SPECIAL)
- ⑨ SUBBASE GRANULAR MATERIAL, TYPE B, 4" (INCLUDED IN THE COST OF COMBINATION CONCRETE CURB AND GUTTER TYPE B-6.12, SPECIAL)
- ⑩ P.C.C. BASE COURSE (INCLUDED IN THE COST OF COMBINATION CONCRETE CURB AND GUTTER TYPE B-6.12, SPECIAL)
- ⑪ HOT MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH
- ⑫ REMOVAL AND DISPOSAL OF UNSUITABLE MATERIALS (AS DIRECTED BY THE ENGINEER IN THE FIELD)
- ⑬ AGGREGATE SUBGRADE IMPROVEMENT (AS DIRECTED BY THE ENGINEER IN THE FIELD)
- ⑭ CLASS D PATCHES, VARIOUS TYPES, 6 INCH (AS DIRECTED BY THE ENGINEER IN THE FIELD)
- ⑮ BITUMINOUS MATERIALS (TACK COAT)
- ⑯ LEVELING BINDER (MACHINE METHOD), N50 (1" MIN.)
- ⑰ HMA SURFACE COURSE, MIX "D", N50 - 1.5"
- ⑱ EXPOSED AGGREGATE SURFACE (AS DIRECTED BY THE ENGINEER IN THE FIELD)
- ⑲ 2" AGGREGATE BASE COURSE (INCLUDED IN THE COST OF PORTLAND CEMENT CONCRETE SIDEWALK, 5" AND EXPOSED AGGREGATE SURFACE)
- ⑳ SODDING, (SPECIAL)
- ㉑ UNIT PAVERS
- ㉒ COMBINATION CONCRETE CURB AND GUTTER TYPE B-6.12 (SPECIAL)
- ㉓ BEDDING MATERIAL, SPECIAL OR PLANTING BED PREPARATION
- ㉔ AGGREGATE BASE COURSE, TYPE B (INCLUDED IN THE COST OF UNIT PAVERS)
- ㉕ BEDDING SAND, 2 1/4" (INCLUDED IN THE COST OF UNIT PAVERS)
- ㉖ PAVEMENT REMOVAL
- ㉗ CONCRETE CURB, TYPE B
- ㉘ MASONRY WALL FOR PLANTING BED (SEE CONSTRUCTION DETAILS)

HOT-MIX ASPHALT MIXTURE REQUIREMENTS	
MIXTURE ITEM	AIR VOIDS @ Ndes
PAVEMENT RESURFACING	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL 9.5mm), 1.5"	4% @ 50 GYR
LEVELING BINDER (MACHINE METHOD), N50; 1"	4% @ 50 GYR
PATCHING	
CLASS D PATCHES (HMA BINDER IL-19mm); 6" (IN 2 LIFTS)	4% @ 70 GYR
TEMPORARY PAVEMENT	
HMA SURFACE COURSE, MIX "D", N70 (IL 9.5mm), VARIABLE	4% @ 70 GYR
TEMPORARY SIDEWALK	
HMA SURFACE COURSE, MIX "D", N70 (IL 9.5mm), 2"	4% @ 70 GYR

NOTES:  
THE UNIT WEIGHT USED TO CALCULATE ALL HMA MIXTURE QUANTITIES IS 112 LBS/50 YD/IN.  
THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISIONS.  
FOR HMA FULL DEPTH "AC TYPE" SEE SPECIAL PROVISIONS.  
FOR USE OF RECYCLED MATERIALS SEE SPECIAL PROVISIONS.  
EXISTING HMA PAVEMENT SHALL BE MILLED PRIOR TO CLASS D PATCHING.

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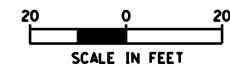
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS  
METRA STATION PEDESTRIAN ACCESS IMPROVEMENTS

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

F.A.U. RTES.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1693 3569	17-00084-00-M5	COOK	29	5
CONTRACT NO. 61E89				
ILLINOIS FED. AID PROJECT				

PINE AVENUE



BNSF AND METRA RAILROAD

**PROP. CURVE BLOOMINGBANK2**  
 PI STA. = 101+27.09  
 Δ = 3° 14' 43" (RT)  
 D = 104° 57' 40"  
 R = 54.59'  
 T = 1.55'  
 L = 3.09'  
 E = 0.02'  
 e = -----  
 T.R. = -----  
 S.E. RUN = -----  
 P.C. STA = 101+25.54  
 P.T. STA = 101+28.63

**PROP. CURVE BLOOMINGBANK3**  
 PI STA. = 101+65.30  
 Δ = 5° 40' 37" (RT)  
 D = 7° 44' 52"  
 R = 739.50'  
 T = 36.67'  
 L = 73.27'  
 E = 0.91'  
 e = -----  
 T.R. = -----  
 S.E. RUN = -----  
 P.C. STA = 101+28.63  
 P.T. STA = 102+01.91

**PROP. CURVE BLOOMINGBANK4**  
 PI STA. = 103+99.91  
 Δ = 81° 34' 02" (LT)  
 D = 129° 22' 11"  
 R = 44.29'  
 T = 38.21'  
 L = 63.05'  
 E = 14.20'  
 e = -----  
 T.R. = -----  
 S.E. RUN = -----  
 P.C. STA = 103+61.70  
 P.T. STA = 104+24.75

**PROP. CURVE BLOOMINGBANK1**  
 PI STA. = 100+62.78  
 Δ = 2° 05' 46" (RT)  
 D = 1° 40' 10"  
 R = 3,431.80'  
 T = 62.78'  
 L = 125.54'  
 E = 0.57'  
 e = -----  
 T.R. = -----  
 S.E. RUN = -----  
 P.C. STA = 100+00.00  
 P.T. STA = 101+25.54

**PROP. CURVE RIVERSIDE1**  
 PI STA. = 301+47.74  
 Δ = 13° 36' 58" (LT)  
 D = 71° 58' 26"  
 R = 79.61'  
 T = 9.50'  
 L = 18.92'  
 E = 0.57'  
 e = -----  
 T.R. = -----  
 S.E. RUN = -----  
 P.C. STA = 301+38.24  
 P.T. STA = 301+57.16

BLOOMINGBANK ROAD

RIVERSIDE ROAD

QUINCY STREET

**PROP. CURVE QUINCY1**  
 PI STA. = 200+23.68  
 Δ = 18° 00' 15" (RT)  
 D = 38° 19' 24"  
 R = 149.51'  
 T = 23.68'  
 L = 46.98'  
 E = 1.86'  
 e = -----  
 T.R. = -----  
 S.E. RUN = -----  
 P.C. STA = 200+00.00  
 P.T. STA = 200+46.98

**PROP. CURVE QUINCY2**  
 PI STA. = 200+69.60  
 Δ = 7° 06' 15" (RT)  
 D = 15° 43' 17"  
 R = 364.44'  
 T = 22.62'  
 L = 45.19'  
 E = 0.70'  
 e = -----  
 T.R. = -----  
 S.E. RUN = -----  
 P.C. STA = 200+46.98  
 P.T. STA = 200+92.17

**PROP. CURVE QUINCY3**  
 PI STA. = 201+33.42  
 Δ = 35° 53' 45" (LT)  
 D = 55° 12' 51"  
 R = 103.77'  
 T = 33.61'  
 L = 65.01'  
 E = 5.31'  
 e = -----  
 T.R. = -----  
 S.E. RUN = -----  
 P.C. STA = 200+99.81  
 P.T. STA = 201+64.82

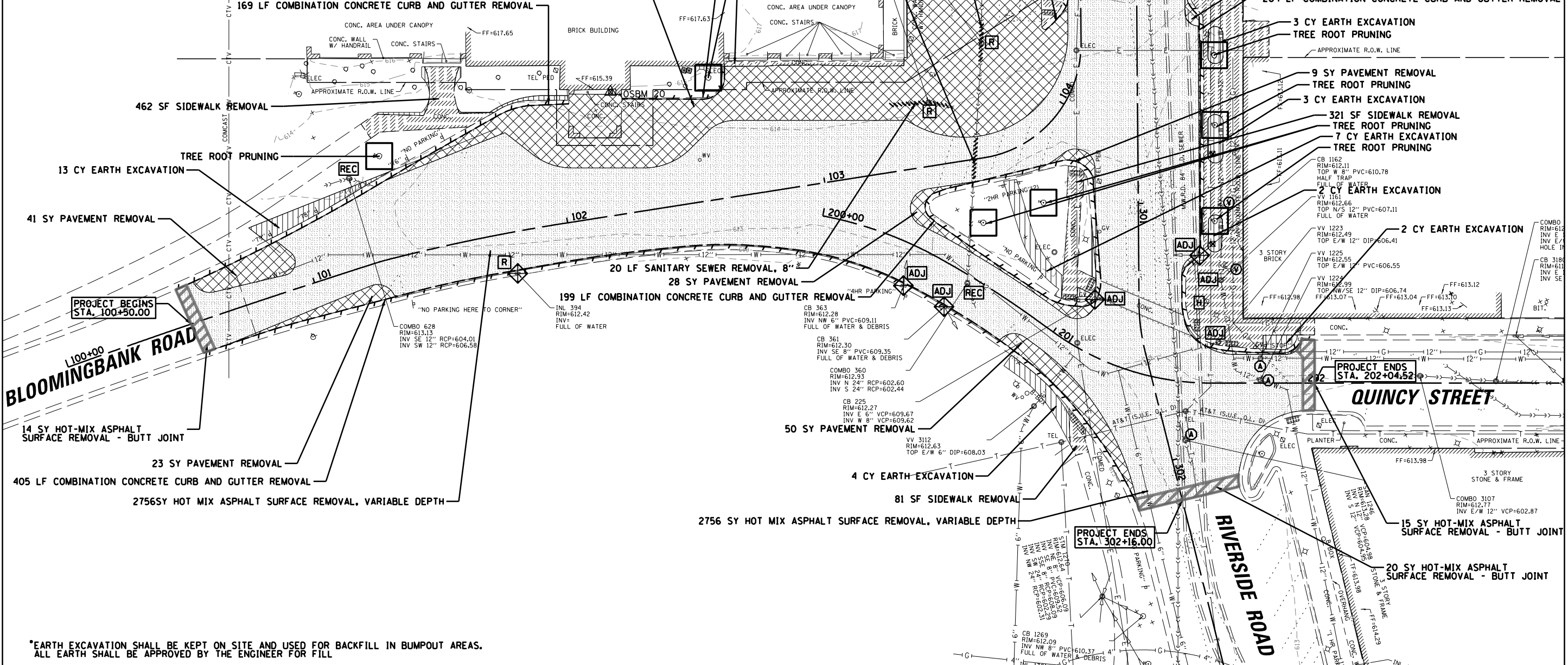
HORIZONTAL CONTROL POINTS					
POINT NO.	NORTHING (Y)	EASTING (X)	DESCRIPTION	STATION	OFFSET
205	1,879,966.26	1,124,045.06	CP-XCUT	101+31.98	50.43 LT
202	1,880,020.49	1,124,254.99	CP-PK	103+39.97	4.07 LT
1052	1,879,933.67	1,124,345.35	CP-XCUT	301+84.85	30.96 RT

ELEVATION BENCHMARKS DATUM: NGVD '29		
NO.	DESCRIPTION	ELEV.
OSBM 3	SQUARE CUT ON NORTHWEST CORNER OF CONC. PAD FOR AT&T BOX AT BARRYPPOINT RD. AND BLOOMINGBANK RD. (REF JOB #140615)	614.69
OSBM 20	EAST SIDE OF STONE DOOR SILL TO MAIN ENTRANCE UNDER CANOPY OF TRAIN STATION	615.49

NOTE:  
 LOCATIONS OF EXISTING UTILITIES SHOWN HEREON ARE THE COMPILED OF FIELD LOCATIONS AND THE FOLLOWING UTILITY ATLAS PROVIDED BY THE UTILITY:  
 -VILLAGE OF RIVERSIDE: WATER ATLAS  
 -LAST REVISED: GIS DATA 2013  
 -VILLAGE OF RIVERSIDE: STORM ATLAS  
 -LAST REVISED: GIS DATA 2013  
 -VILLAGE OF RIVERSIDE: SANITARY ATLAS  
 -LAST REVISED: GIS DATA 2013

**LEGEND**

	PAVEMENT REMOVAL		EARTH EXCAVATION*
	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH		EXISTING MANHOLE
	SIDEWALK REMOVAL		EXISTING CATCH BASIN
	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT		EXISTING COMBINED SEWER
	(COMBINATION CONCRETE) CURB (AND GUTTER) REMOVAL		EXISTING STORM SEWER
	TREE REMOVAL		EXISTING SANITARY SEWER
	INLET PROTECTION		STRUCTURES TO BE ADJUSTED
	TREE PROTECTION (PAID AS TEMPORARY FENCE)		FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)
	EXISTING MANHOLE		DOMESTIC WATER SERVICE BOXES TO BE ADJUSTED
	EXISTING CATCH BASIN		DRAINAGE STRUCTURES TO BE RECONSTRUCTED
	EXISTING COMBINED SEWER		DRAINAGE STRUCTURE TO BE REMOVED
	EXISTING STORM SEWER		REBUILD EXISTING HANDHOLE
	EXISTING SANITARY SEWER		
	STRUCTURES TO BE ADJUSTED		
	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)		
	DOMESTIC WATER SERVICE BOXES TO BE ADJUSTED		
	DRAINAGE STRUCTURES TO BE RECONSTRUCTED		
	DRAINAGE STRUCTURE TO BE REMOVED		
	REBUILD EXISTING HANDHOLE		



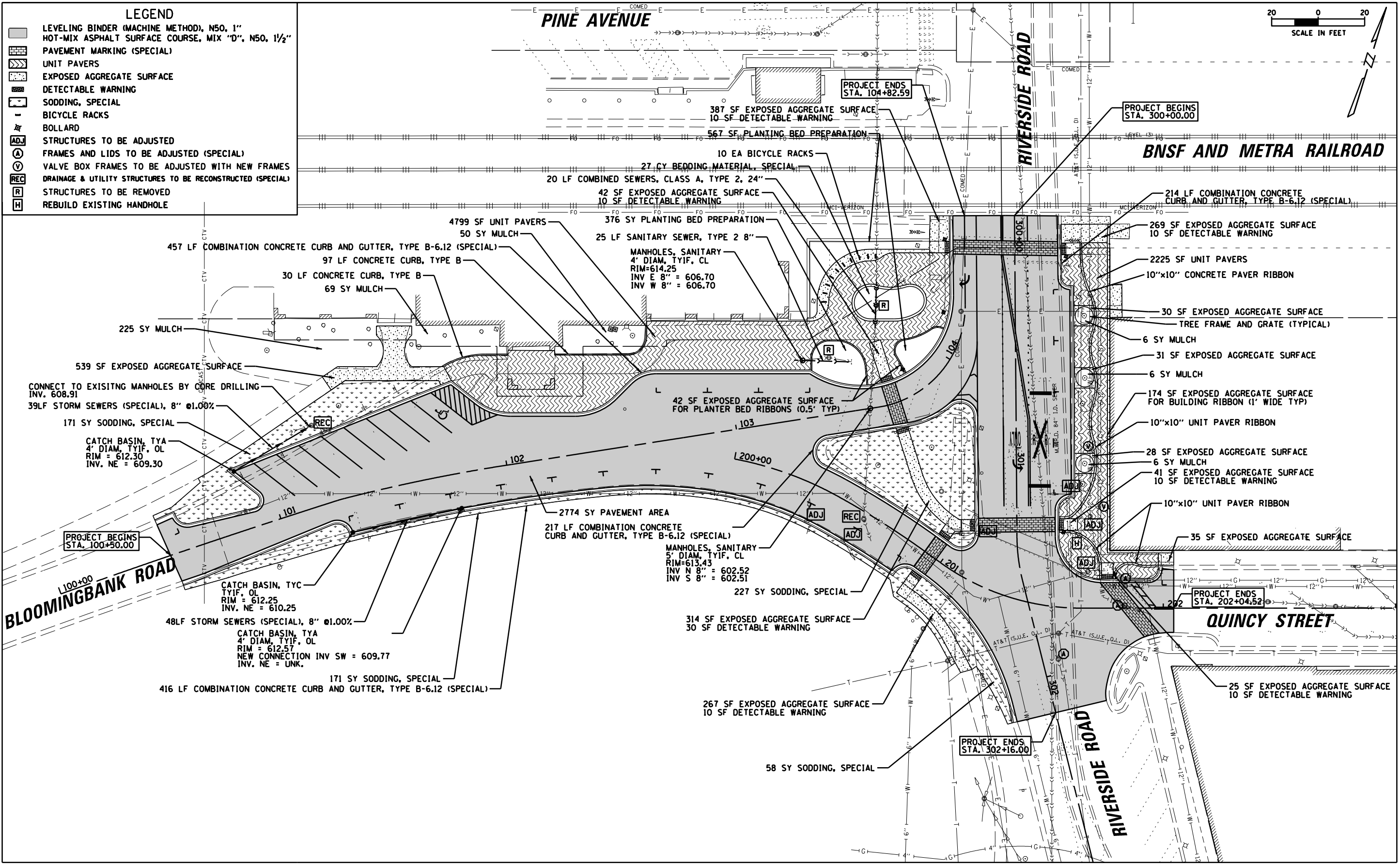
\*EARTH EXCAVATION SHALL BE KEPT ON SITE AND USED FOR BACKFILL IN BUMPOUT AREAS. ALL EARTH SHALL BE APPROVED BY THE ENGINEER FOR FILL

FILE NAME =	USER NAME = dschroeder	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>REMOVAL PLAN</b>		F.A.U. RTES.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
N:\RIVERSIDE\120544.00072\CIVIL\REM01.120544.00072.SHT	PLOT SCALE = 48"	DRAWN -	REVISED -		<b>METRA STATION PEDESTRIAN ACCESS IMPROVEMENTS</b>		1693	17-00084-00-M5	COOK	29	7	
Default	PLOT DATE = 5/10/2018	CHECKED -	REVISED -		SCALE:	SHEET 1	OF 1	SHEETS	STA.	TO STA.	<b>CONTRACT NO. 61E89</b>	
		DATE -	REVISED -								ILLINOIS FED. AID PROJECT	



**LEGEND**

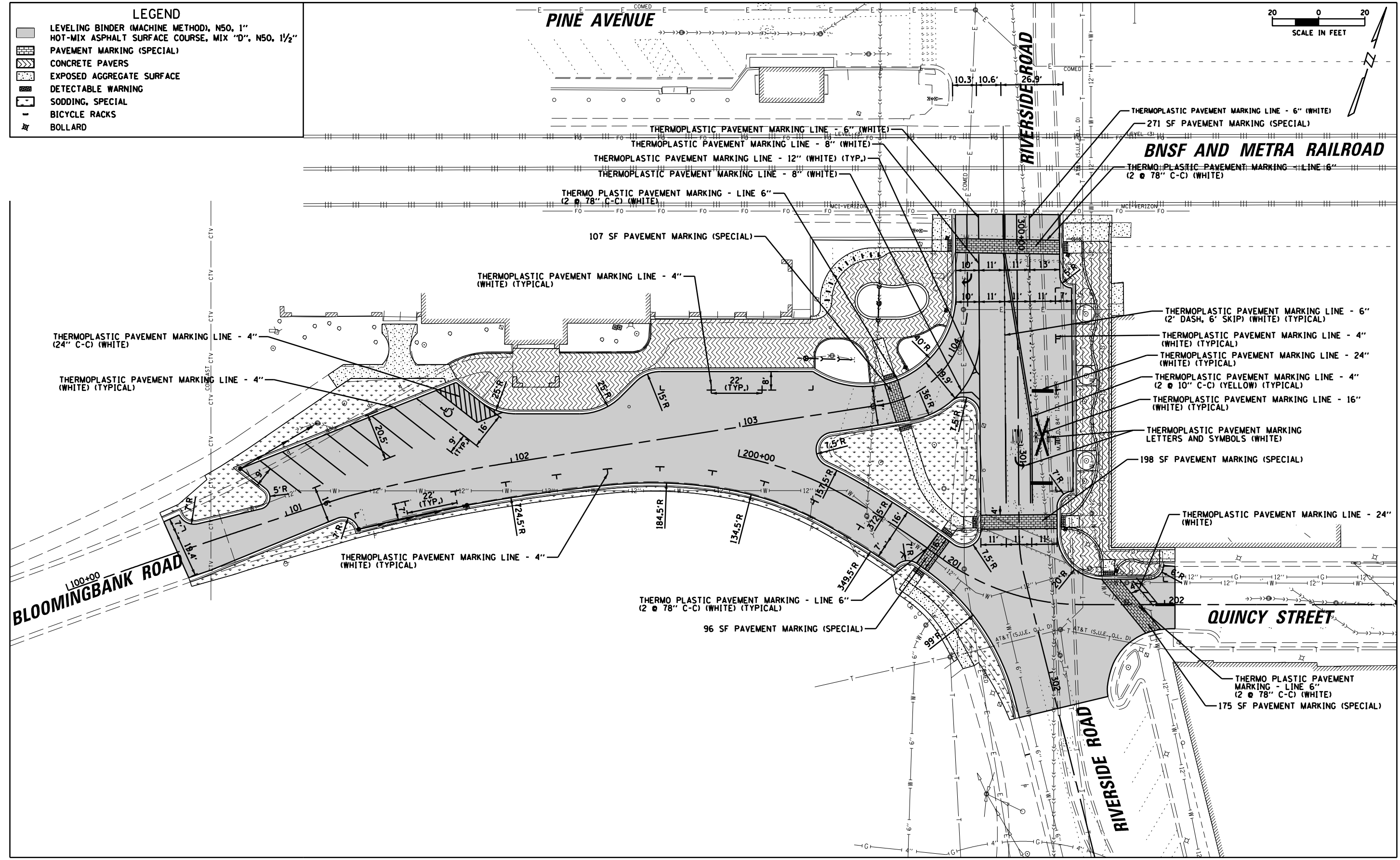
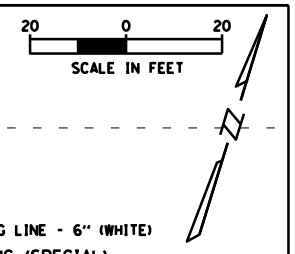
[Symbol]	LEVELING BINDER (MACHINE METHOD), N50, 1"
[Symbol]	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, 1 1/2"
[Symbol]	PAVEMENT MARKING (SPECIAL)
[Symbol]	UNIT PAVERS
[Symbol]	EXPOSED AGGREGATE SURFACE
[Symbol]	DETECTABLE WARNING
[Symbol]	SODDING, SPECIAL
[Symbol]	BICYCLE RACKS
[Symbol]	BOLLARD
[Symbol]	STRUCTURES TO BE ADJUSTED
[Symbol]	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)
[Symbol]	VALVE BOX FRAMES TO BE ADJUSTED WITH NEW FRAMES
[Symbol]	DRAINAGE & UTILITY STRUCTURES TO BE RECONSTRUCTED (SPECIAL)
[Symbol]	STRUCTURES TO BE REMOVED
[Symbol]	REBUILD EXISTING HANDHOLE



FILE NAME =	USER NAME = dschroeder	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PROPOSED PLAN METRA STATION PEDESTRIAN ACCESS IMPROVEMENTS</b>	F.A.U. RTES.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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Default	PLOT DATE = 5/10/2018	CHECKED -	REVISED -			3569				
		DATE -	REVISED -			CONTRACT NO. 61E89				

ILLINOIS FED. AID PROJECT

LEGEND	
	LEVELING BINDER (MACHINE METHOD), N50, 1"
	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, 1 1/2"
	PAVEMENT MARKING (SPECIAL)
	CONCRETE PAVERS
	EXPOSED AGGREGATE SURFACE
	DETECTABLE WARNING
	SODDING, SPECIAL
	BICYCLE RACKS
	BOLLARD



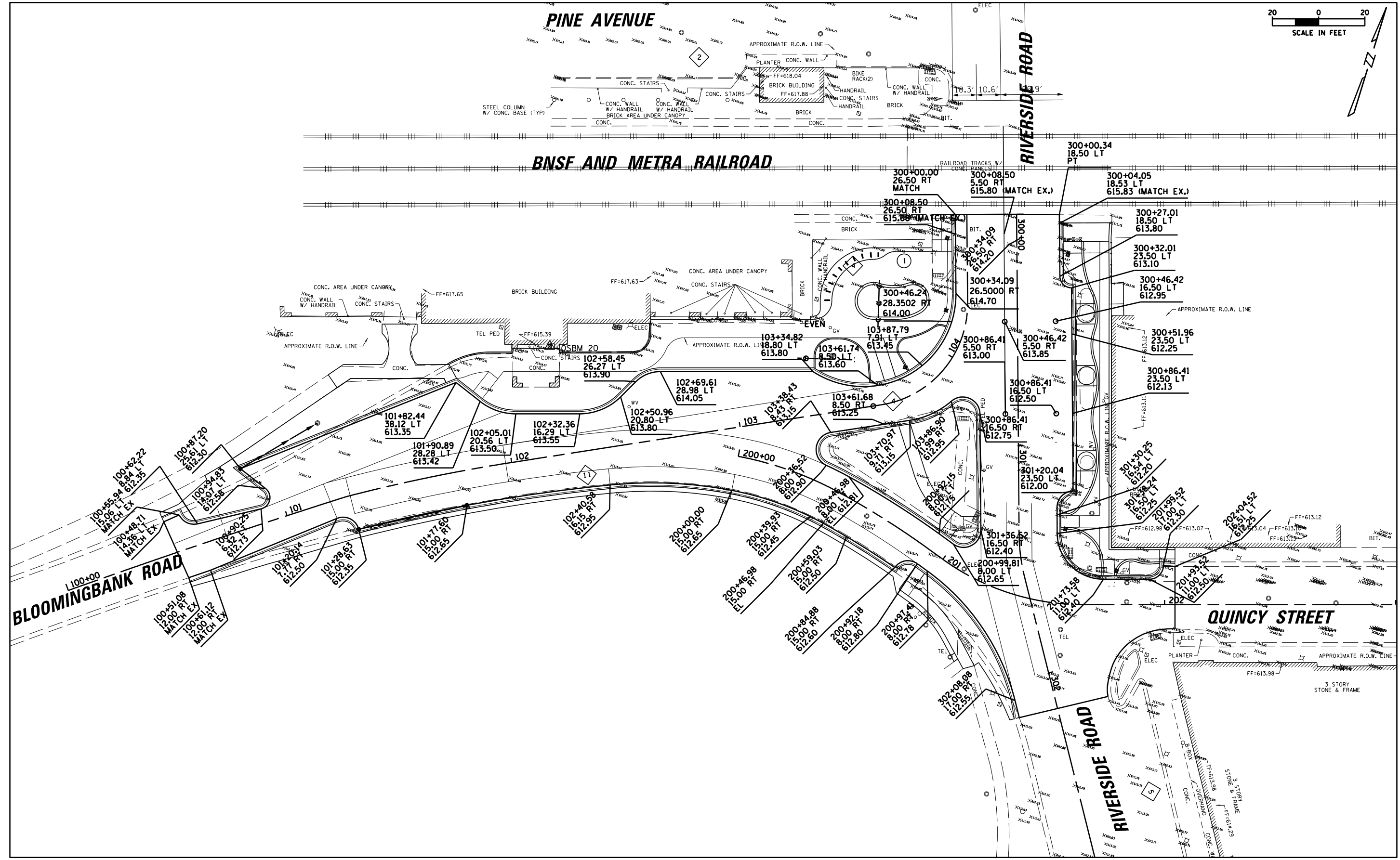
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Default	PLOT SCALE = 48"	CHECKED -	REVISED -
	PLOT DATE = 5/10/2018	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING PLAN  
METRA STATION PEDESTRIAN ACCESS IMPROVEMENTS**

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

F.A.U. RTES. 1693 3569	SECTION 17-00084-00-M5	COUNTY COOK	TOTAL SHEETS 29	SHEET NO. 9
CONTRACT NO. 61E89				ILLINOIS FED. AID PROJECT



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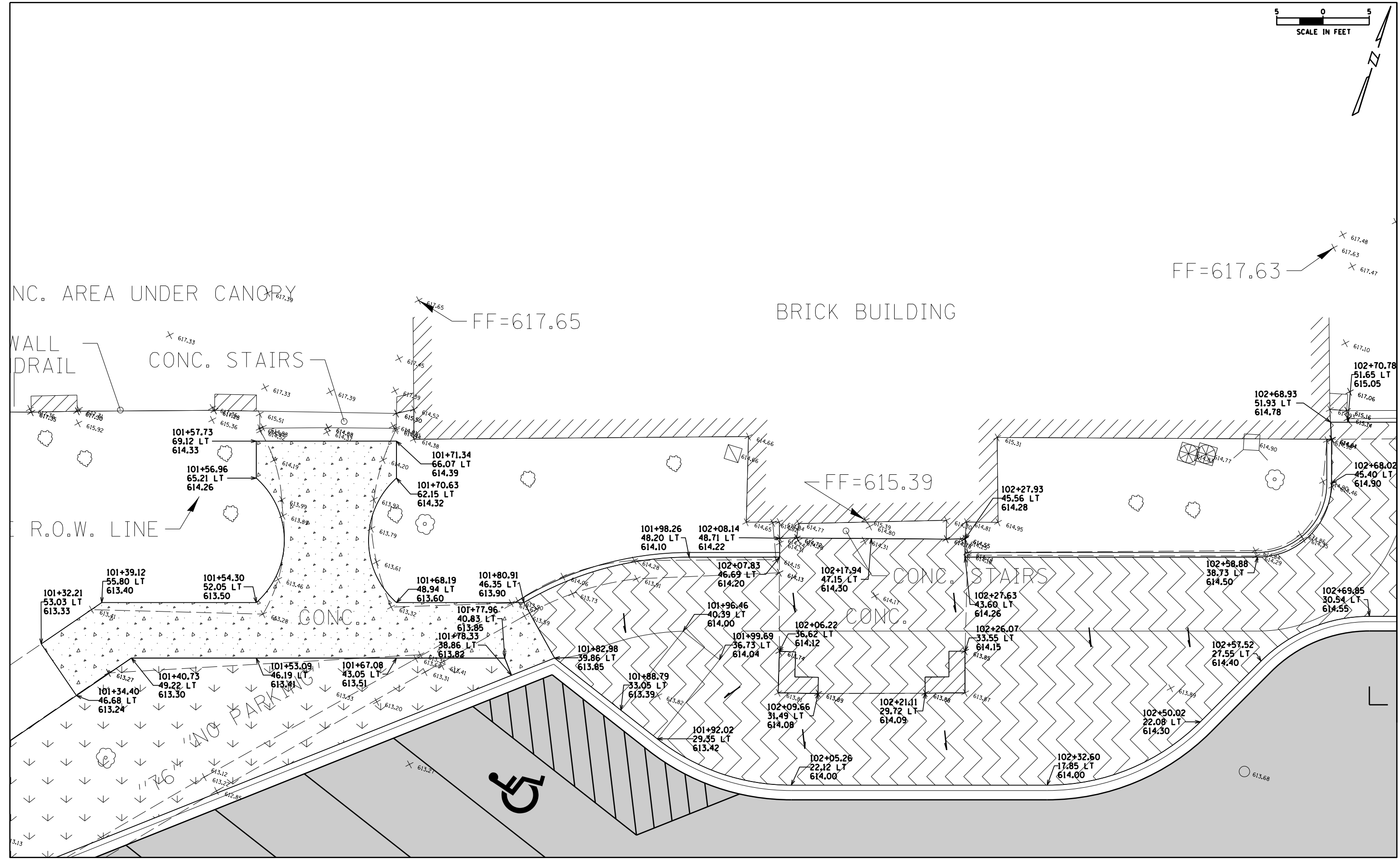
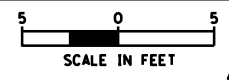
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**ROADWAY GRADING AND DIMENSIONS  
METRA STATION PEDESTRIAN ACCESS IMPROVEMENTS**

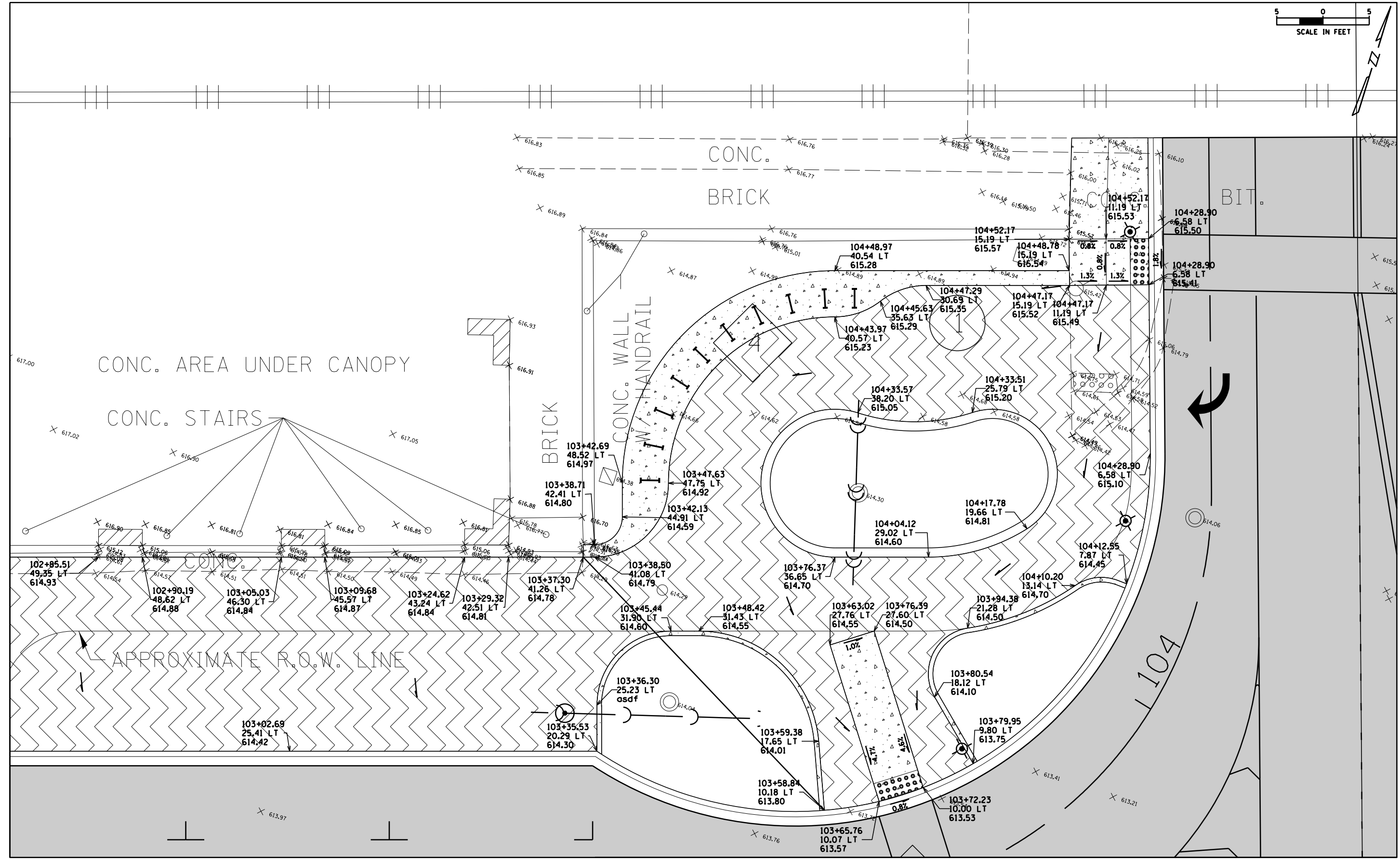
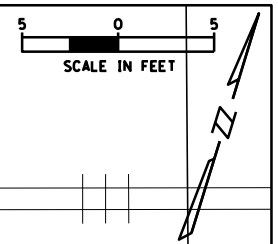
F.A.U. R.T.S. 1693 3569	SECTION 17-00084-00-M5	COUNTY COOK	TOTAL SHEETS 29	SHEET NO. 10
CONTRACT NO. 61E89				
ILLINOIS FED. AID PROJECT				

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





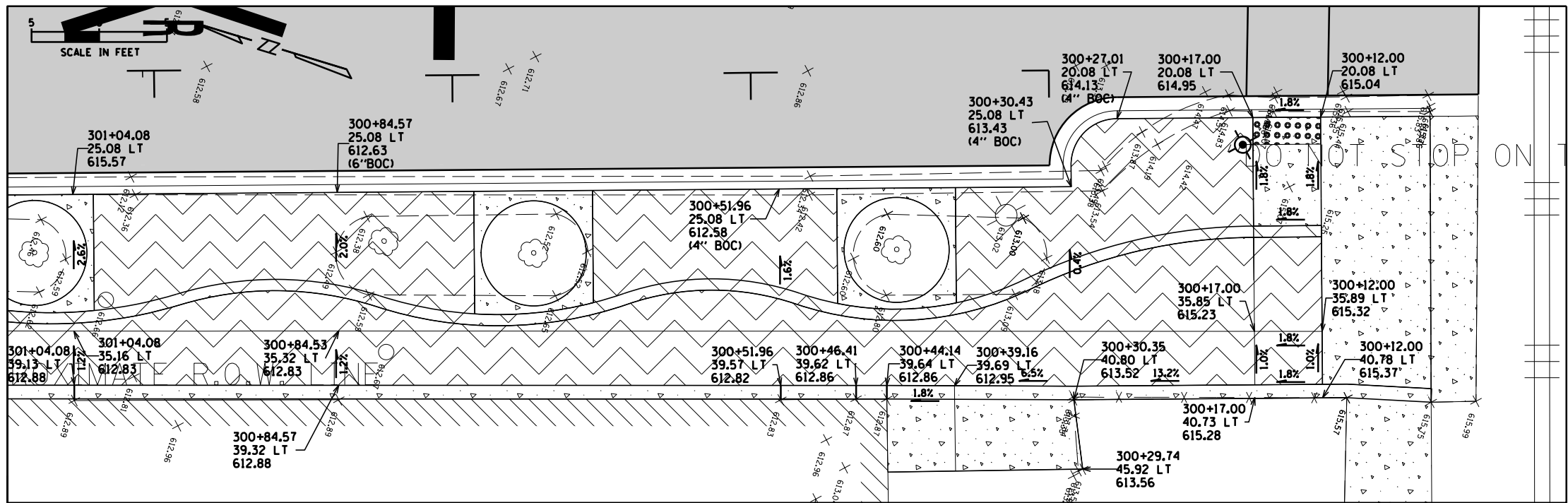
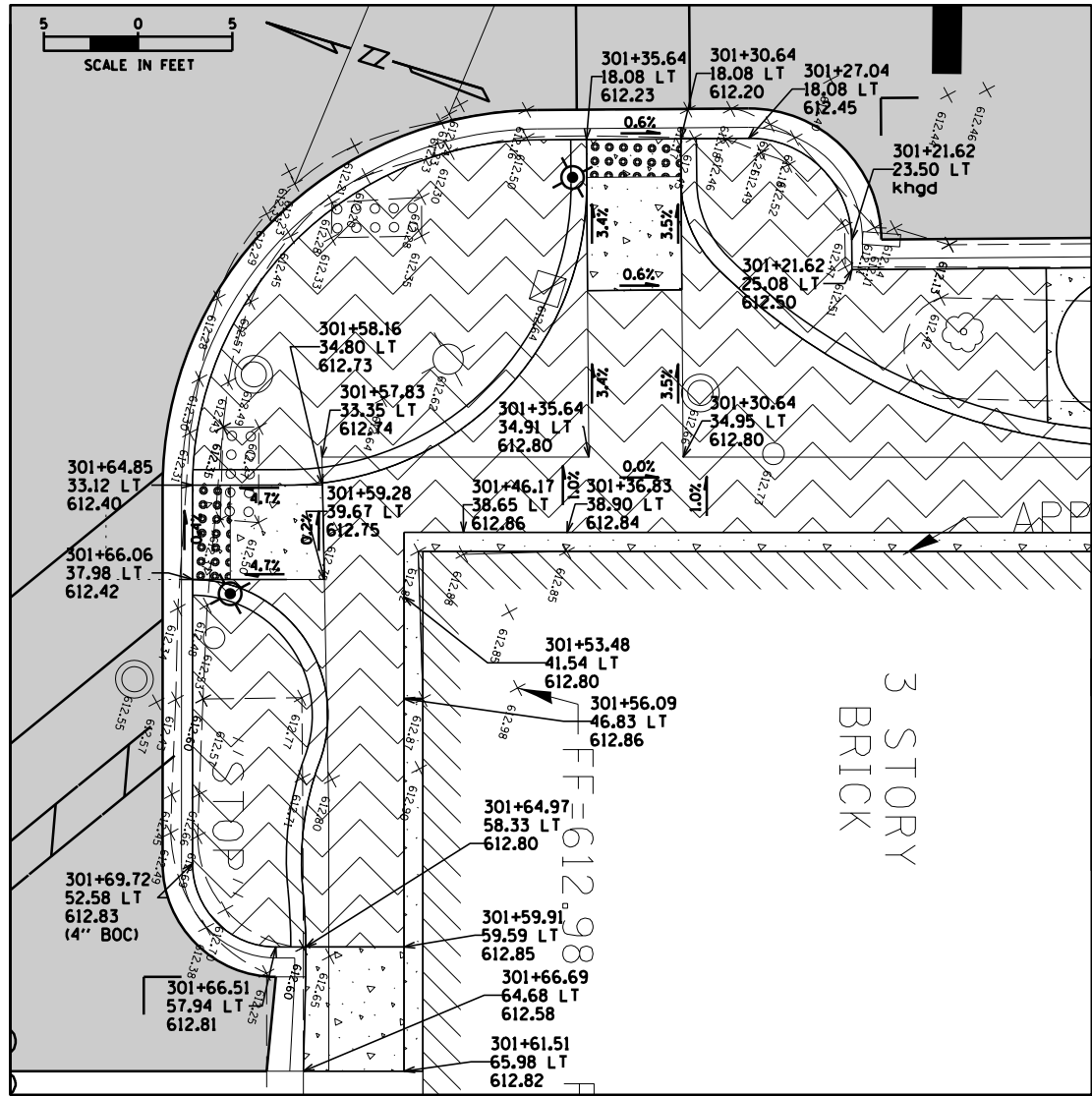
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N:\RIVERSIDE\120544.00072\CIVIL\GradePK\01.120544.00072.SHT	PLOT SCALE = 10'	DRAWN -	REVISED -			1693	17-00084-00-M5	COOK	29	11	
Default	PLOT DATE = 5/10/2018	CHECKED -	REVISED -			<b>CONTRACT NO. 61E89</b>					
		DATE -	REVISED -			ILLINOIS FED. AID PROJECT					



FILE NAME =	USER NAME = dschroeder	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PARKWAY AND ADA GRADING METRA STATION PEDESTRIAN ACCESS IMPROVEMENTS</b>	F.A.U. RTES.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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Default	PLOT DATE = 5/10/2018	CHECKED -	REVISED -			<b>CONTRACT NO. 61E89</b>					
		DATE -	REVISED -			ILLINOIS FED. AID PROJECT					





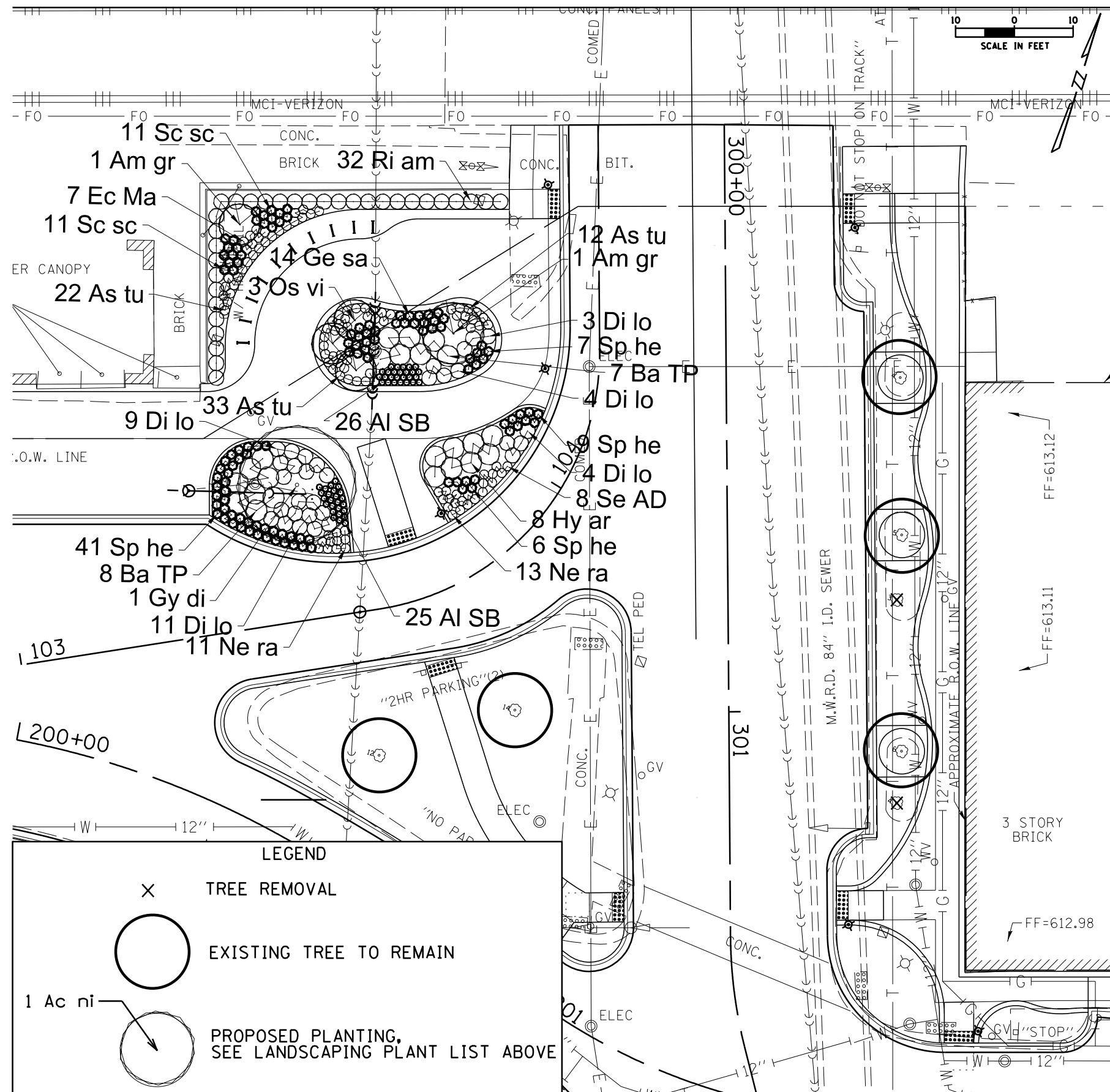


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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

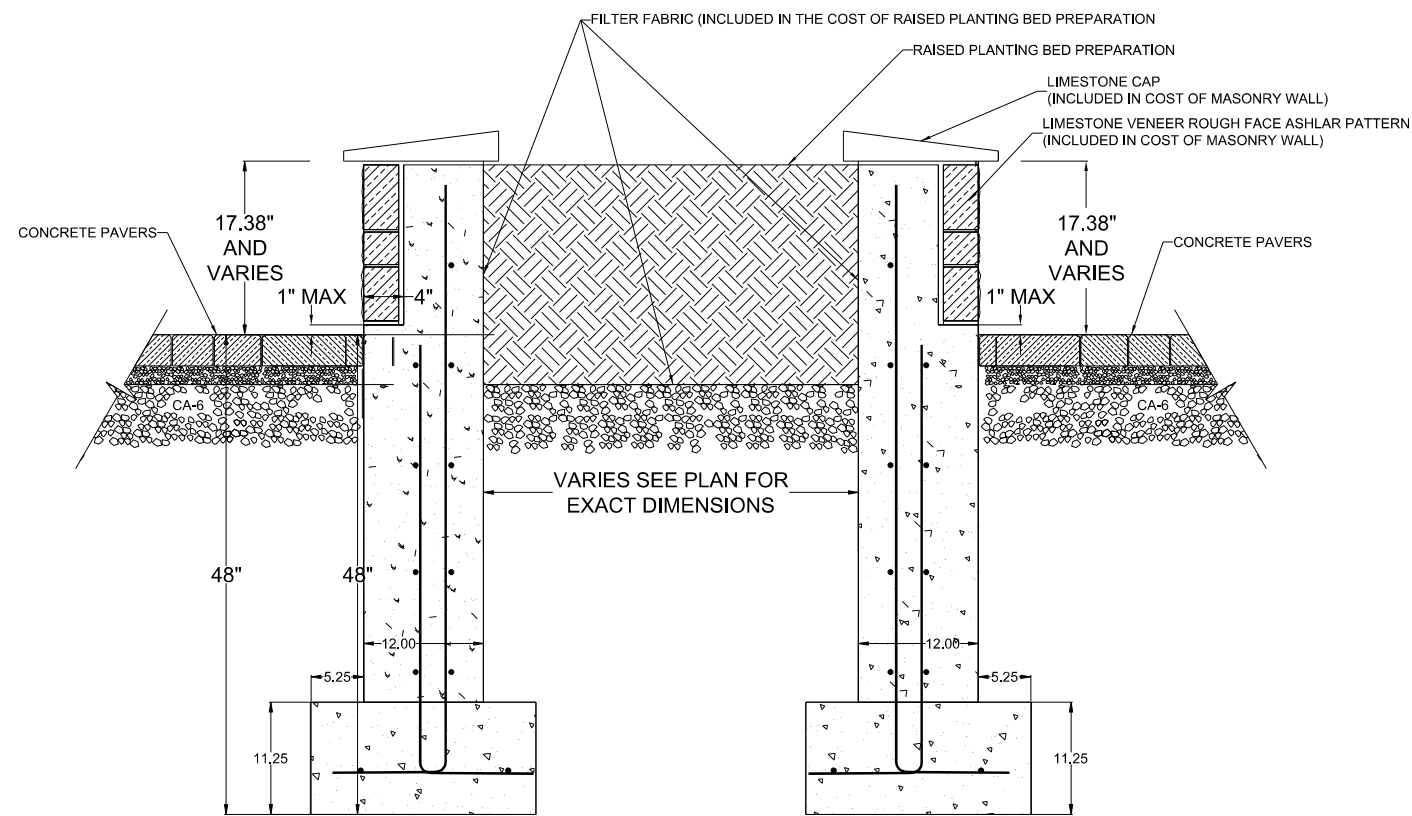
<b>PARKWAY AND ADA GRADING METRA STATION PEDESTRIAN ACCESS IMPROVEMENTS</b>			
SCALE:	SHEET 4	OF 4 SHEETS	STA. TO STA.

F.A.U. RTES. 1693 3569	SECTION 17-00084-00-M5	COUNTY COOK	TOTAL SHEETS 29	SHEET NO. 14
CONTRACT NO. 61E89				
ILLINOIS FED. AID PROJECT				



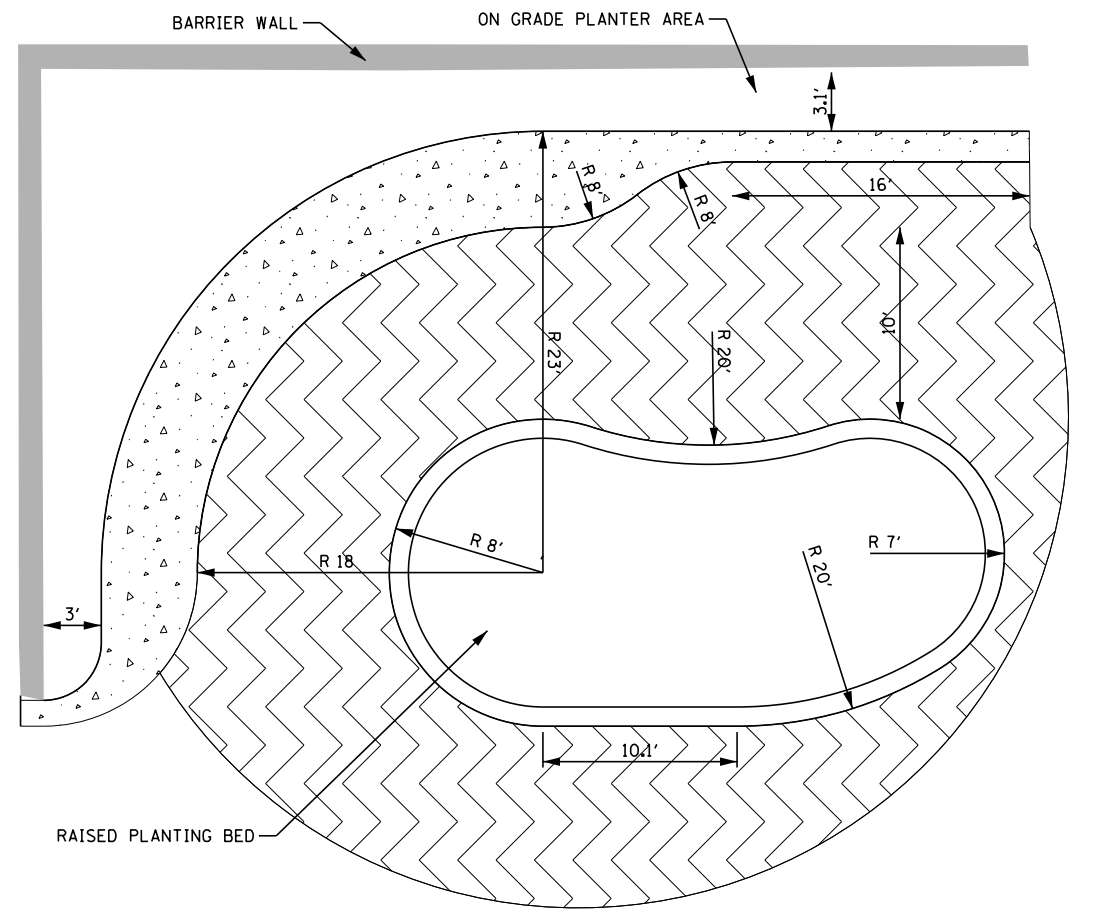
- GENERAL CONSTRUCTION NOTES:**
1. ALL ALTERATIONS MUST BE APPROVED BY THE LANDSCAPE ARCHITECT.
  2. CONTRACTORS MUST VERIFY ALL QUANTITIES AND OBTAIN ALL PROPER PERMITS AND LICENSES FROM THE PROPER AUTHORITIES.
  3. ALL MATERIAL MUST MEET INDUSTRY STANDARDS AND THE LANDSCAPE ARCHITECT HAS THE RIGHT TO REFUSE ANY POOR MATERIAL OR WORKMANSHIP.
  4. LANDSCAPE ARCHITECT IS NOT RESPONSIBLE FOR UNSEEN SITE CONDITIONS.
  5. EXCAVATE ALL AT GRADE PLANTERS TO A DEPTH OF 18" AND BACKFILL WITH TOPSOIL.
  6. PROVIDE POSITIVE DRAINAGE AT ALL TIMES. DO NOT OBSTRUCT NATURAL OR DESIGNED DRAINAGE FLOW PATTERN.
  7. AMENDED SOIL FOR PLANTING SHALL BE MIXED THOROUGHLY PRIOR TO PLANTING.
  8. ALL PLANTINGS SHALL BE SPACED EQUAL DISTANT, BACKFILLED WITH AMENDED SOIL IN A HOLE TWICE THE ROOTBALL DIAMETER, WATERED, FERTILIZED, PRUNED AND HAVE ALL TAGS AND ROPES REMOVED.
  9. TREES SHALL BE STAKED AND GUYED AS NECESSARY AND CREATE WATERING SAUCERS AT BASE.
  10. IF NEEDED WIDEN THE OPENINGS OF TREE GRATES BY 2" RADIUS TO ACCOMMODATE THE EXISTING TREES.
  11. ADD AMENDED SOIL TO EXCAVATED AREAS AROUND EXISTING TREES.
  12. ALL MASS PLANTED SHRUB BEDS TO BE BERMED 2" TO 3" ABOVE GRADE AND MEET DRAINAGE REQUIREMENTS.
  13. LAWN AND BED AREAS SHALL BE ROTOTILLED AND CLUMPS OF SOIL, AGGREGATES AND DEBRIS RAKED OUT AND REMOVED FROM THE SITE.
  14. ALL BEDS SHALL BE EDGED, HAVE WEED PRE-EMERGENTS APPLIED AT THE RECOMMENDED RATE, AND SHREDDED HARDWOOD MULCH SPREAD AT A MINIMUM OF 4" DEPTH.
  15. ALL DEBRIS SHALL BE REMOVED FROM THE SITE AND DISPOSED OF PROPERLY.

PLANT LIST					
SYM.	BOTANICAL NAME	COMMON NAME	Qty.	Size	Cond.
<b>Deciduous Shade Trees</b>					
Gy di	<i>Gymnocladus dioicus</i> 'Expresso'	Expresso Kentucky Coffeetree	1	2.5"	B & B
<b>Deciduous Ornamental Trees</b>					
Am gr	<i>Amelanchier grandiflora</i> 'Autumn Brilliance'	Autumn Brilliance Serviceberry	2	6' Shrub	B & B
Os vi	<i>Ostrya virginiana</i>	Ironwood	3	7' Clump	B & B
<b>Deciduous Shrubs</b>					
Di lo	<i>Diervilla</i> 'Kodiak Orange Bush'	Kodiak Orange Bush Honeysuckle	31	#5, 24" Ht.	Cont.
Hy ar	<i>Hydrangea arborescens</i> 'Annabelle'	Annabelle Hydrangea	8	2' Ht.	B & B
Ri am	<i>Ribes americanum</i>	Wild Black Current	32	18" Ht.	Cont.
<b>Perennials</b>					
Al SB	<i>Allium</i> 'Summer Beauty'	Summer Beauty Onion	51	#1	Cont.
As tu	<i>Asclepias tuberosa</i>	Butterfly Weed	67	#1	Cont.
Ba TP	<i>Baptisia x varicolor</i> 'Twilite'	Baptisia Twilite Prairieblues	15	#1	Cont.
Ec Ma	<i>Echinacea</i> 'Magnus'	Magnus Coneflower	7	#1	Cont.
Ge sa	<i>Geranium sanguineum</i> 'Max Frei'	Max Frei Bloody Cranesbill	14	#1	Cont.
Ne ra	<i>Nepeta racemosa</i> 'Walker's Low'	Walker's Low Catmint	24	#1	Cont.
Se AD	<i>Sedum</i> 'Autumn Delight'	Autumn Delight Sedum	8	#1	Cont.
Sc sc	<i>Schizachyrium scoparium</i>	Little Bluestem	22	#1	Cont.
Sp he	<i>Sporobolus heterolepis</i>	Prairie Dropseed	63	#1	Cont.



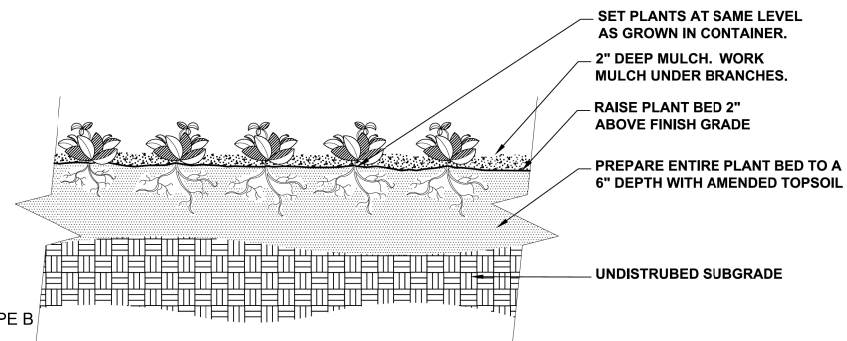
**LIMESTONE MASONRY WALL DETAIL**

N.T.S.



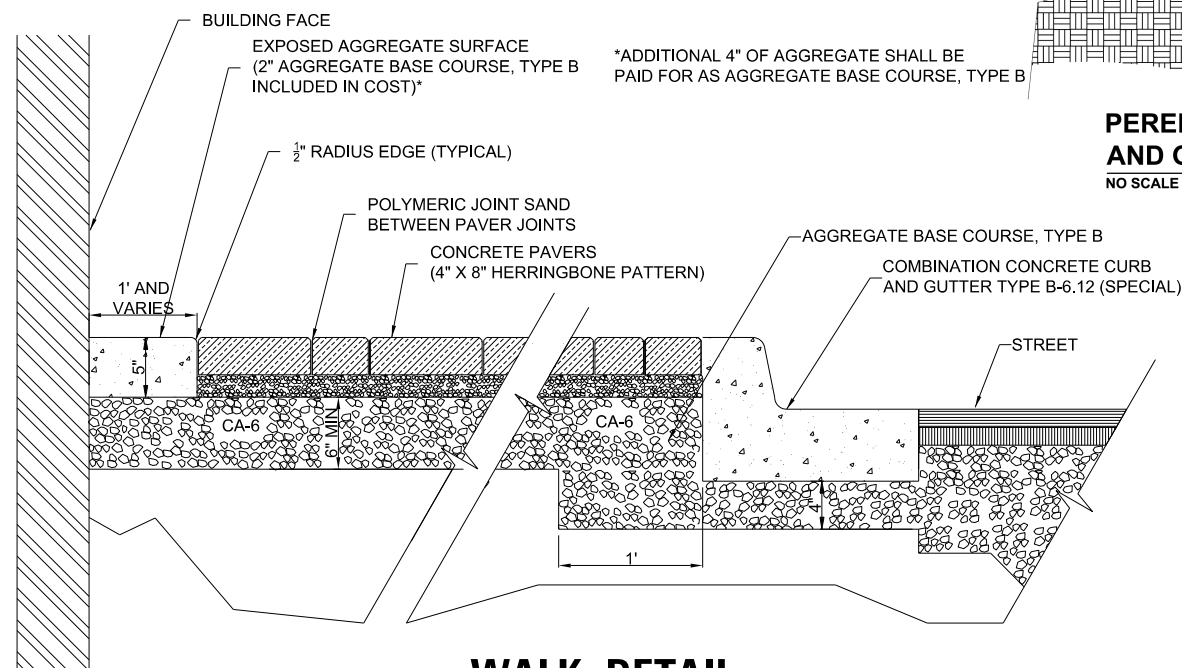
**RAISED PLANTING BED DIMENSIONS**

N.T.S.



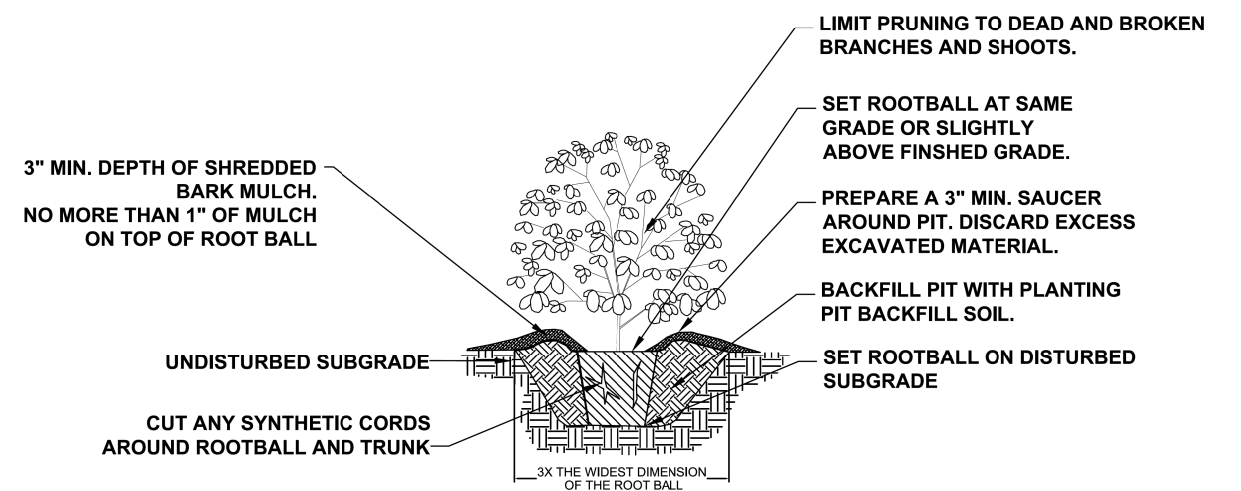
**PERENNIAL AND GROUNDCOVER DETAIL**

NO SCALE



**WALK DETAIL**

N.T.S.



**SHRUB PLANTING DETAIL**

NO SCALE

FILE NAME =	USER NAME = dschroeder	DESIGNED -	REVISED -
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	PLOT DATE = 5/10/2018	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

LANDSCAPING PLAN AND DETAILS  
METRA STATION PEDESTRIAN ACCESS IMPROVEMENTS

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

F.A.U. RTES. 1693 3569	SECTION 17-00084-00-M5	COUNTY COOK	TOTAL SHEETS 29	SHEET NO. 16
CONTRACT NO. 61E89				
ILLINOIS FED. AID PROJECT				



**LEGEND**

- ⊗ PROPOSED 23W LED DECORATIVE BOLLARD
- ⊗ EXISTING 100W MERCURY VAPOR LUMINAIRE ON 8'-6" DECORATIVE POLE
- ⊗ PROPOSED 11" x 18" COMPOSITE CONCRETE HANDHOLE
- ⊗ EXISTING 11" x 18" COMPOSITE CONCRETE HANDHOLE
- E— PROPOSED CONDUIT
- E— EXISTING CONDUIT
- P— POLE/DECORATIVE POLE/BOLLARD IDENTIFIER (LP - EX. POLE)
- P1-CKT A— CIRCUIT IDENTIFIER (PL - EX. PLATFORM POLE)
- B— SET BACK (FROM FOC TO ⌀ OF POLE)

**LIGHTING BILL OF MATERIALS**

DESCRIPTION	UNIT	QUANTITY
TRENCH BACKFILL	CY YD	27
UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 3/4" DIA.	FOOT	325
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 12	FOOT	980
HANDHOLE, COMPOSITE CONCRETE (SPECIAL)	EACH	1
BOLLARDS	EACH	6
MAINTAIN EXISTING LIGHTING SYSTEM	L SUM	1

**CONDUCTOR SCHEDULE**

① 1/C #12, 1/C #12 N & 1/C #12 GND

**LIGHTING GENERAL NOTES**

1. THE EXACT LOCATIONS OF ALL UTILITIES SHALL BE VERIFIED BY THE CONTRACTOR BEFORE THE INSTALLATION OF ANY COMPONENTS OF THE LIGHTING SYSTEM. FOR THE LOCATIONS OF THE UTILITIES, CALL JULIE TOLL FREE AT (800) 892-0123.
2. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR JOB SITE SAFETY AS WELL AS SUPERVISION/DIRECTION AND MEANS/METHODS OF CONSTRUCTION.
3. ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE FOLLOWING SPECIFICATIONS, WHICH ARE HEREBY MADE A PART HEREOF:
  - A. "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", AS PREPARED BY IDOT.
  - B. "THE NATIONAL ELECTRICAL CODE".
  - C. MUNICIPAL CODES & STANDARDS.
4. NO MATERIALS SHALL BE DELIVERED TO THE JOB SITE UNTIL ALL PERTINENT EQUIPMENT SUBMITTALS HAVE BEEN REVIEWED BY THE ENGINEER.
5. THE INSTALLATION OF BURIED WARNING TAPE, SPECIFIED AS PART OF TRENCH FOR UNDERGROUND CONDUITS, SHALL BE REVIEWED BY THE ENGINEER PRIOR TO BACKFILLING OR DURING PLOWING OPERATIONS, AS APPLICABLE.
6. THE CONTRACTOR SHALL LABEL ALL WIRES WITH WIRE MARKERS INDICATING THE CIRCUIT ID IN EVERY CONTROLLER, POLE BASE, HAND HOLE AND SPLICE/CONNECTION POINT. WIRE MARKERS SHALL BE WHITE NYLON WITH INTEGRAL MECHANICAL FASTENER WITH MINIMUM 3/4" X 1" WRITEABLE AREA.
7. ALL UNDERGROUND WIRING SHALL BE MINIMUM #8 COPPER (OR SIZE AS SHOWN ON THE PLANS) XLP TYPE-USE, EXTRA ABRASION RESISTANCE, 600 VOLTS, BURIED A MINIMUM 30 INCHES BELOW FINISHED GRADE, FOLLOWING THE ROADWAY OR SIDEWALK EDGE.
8. ALL POLE HANDHOLES SHALL FACE AWAY FROM TRAFFIC OR AWAY FROM ROAD.
9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE ESTABLISHMENT OF THE TOP OF FOUNDATION ELEVATION WITH THE FINISHED GRADE.
10. EQUIPMENT GROUND CONDUCTORS SHALL BE SPLICED AND BONDED AT EACH LIGHT POLE OR OTHER PIECE OF EQUIPMENT.
11. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO MARK THE PROPOSED LOCATIONS OF ALL LIGHT POLES FOR EXAMINATION AND CONFIRMATION WITH THE ENGINEER. ALL UTILITIES SHALL BE LOCATED PRIOR TO MARKING PROPOSED LOCATIONS.
12. THE ELECTRICAL CONTRACTOR SHALL FURNISH TWO SETS OF FULL SIZE RECORD DRAWINGS TO THE ENGINEER UPON COMPLETION OF THE LIGHTING AND ELECTRICAL IMPROVEMENTS. THE DRAWINGS SHALL SHOW THE INSTALLED LOCATIONS OF ALL LIGHT POLES, UNDERGROUND CONDUITS/WIRING, HANDHOLES, JUNCTION BOXES & CONTROLLER CABINETS. THE DRAWINGS WILL BE REVIEWED BY THE ENGINEER.
13. UPON COMPLETION OF THE PROPOSED LIGHTING IMPROVEMENTS, THE CONTRACTOR SHALL PERFORM ELECTRICAL TESTING AND VERIFY THAT THE INSTALLATION COMPLIES WITH THE LATEST EDITION OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION IN ILLINOIS.
14. COILABLE NONMETALLIC CONDUIT SHALL BE SCHEDULE 80 UNDER PAVED AREAS

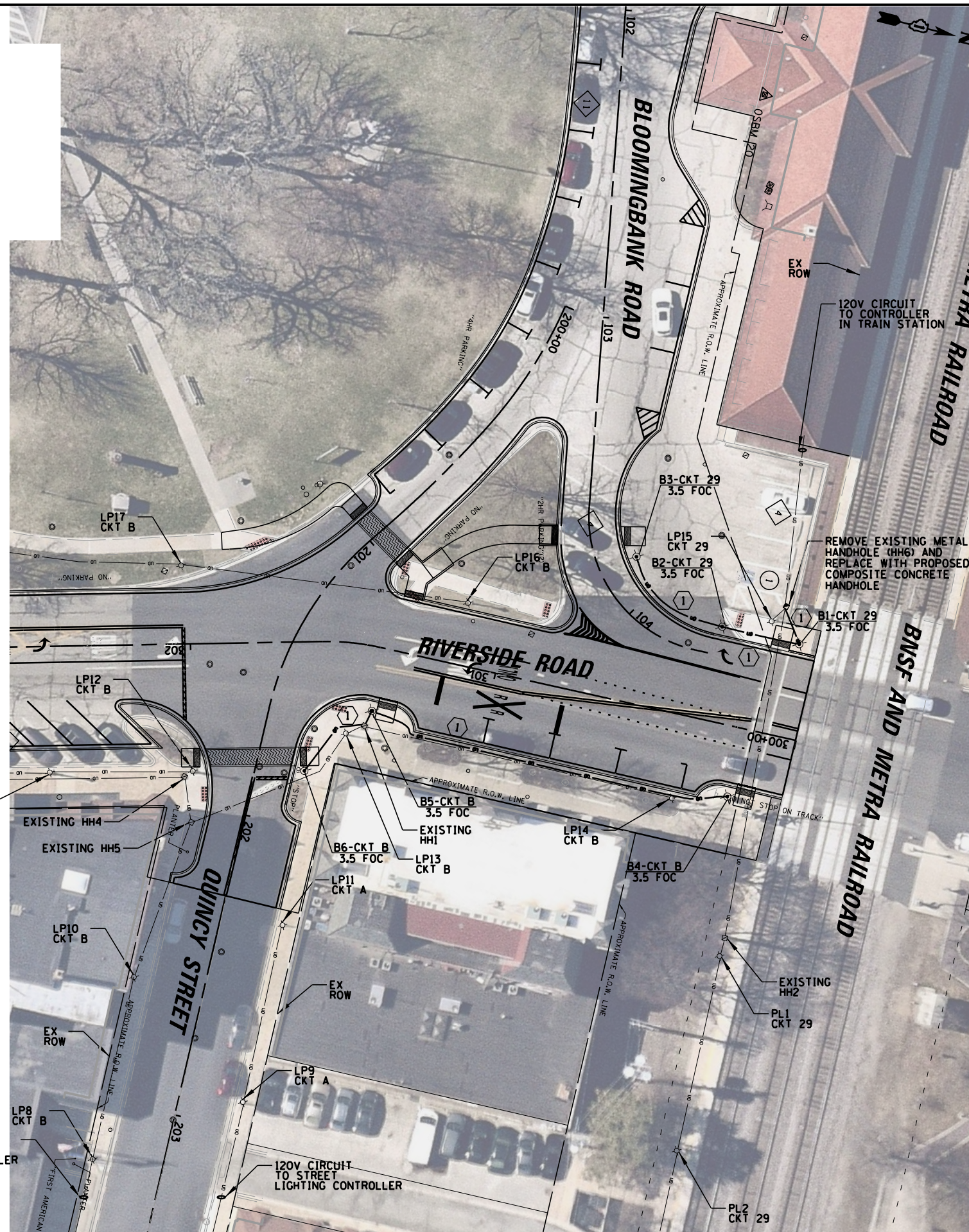
**CAUTION NOTICE TO CONTRACTOR**

THE CONTRACTOR IS SPECIFICALLY CAUTIONED THE LOCATION AND/OR ELEVATION OF EXISTING AND PROPOSED UTILITIES AS SHOWN ON THESE PLANS. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE LOCAL UTILITY LOCATION CENTER AT LEAST 72 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATIONS OF THE UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO INFORM ENGINEER OF ANY EXISTING UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS.

THE VILLAGE OF RIVERSIDE WILL OWN AND MAINTAIN THE PROPOSED LIGHTING SYSTEM.

240V CIRCUIT TO STREET LIGHTING CONTROLLER

120V CIRCUIT TO STREET LIGHTING CONTROLLER



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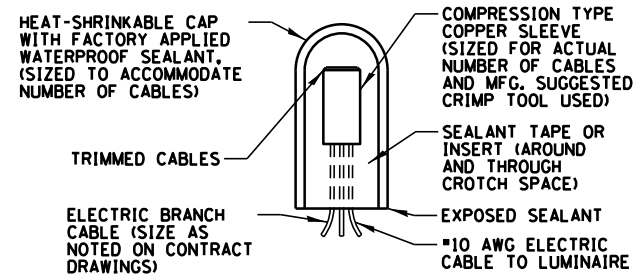
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

RIVERSIDE ROAD / RIVERSIDE METRA STATION IMPROVEMENT  
PROPOSED ELECTRICAL PLAN

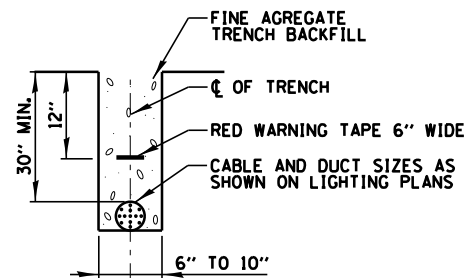
SCALE: 1" = 1' SHEET OF SHEETS STA. TO STA.

F.A. RTE. 1693 3569	SECTION 17-00084-00-M5	COUNTY COOK	TOTAL SHEETS 29	SHEET NO. 17
CONTRACT NO. 61E89				
ILLINOIS FED. AID PROJECT				



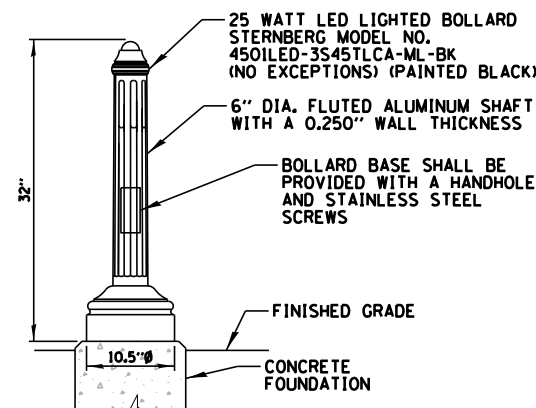


**SPLICING ELECTRIC CABLE**  
N.T.S.



**TRENCH CROSS SECTION**

**ELECTRIC CONDUIT INSTALLATION**  
N.T.S.

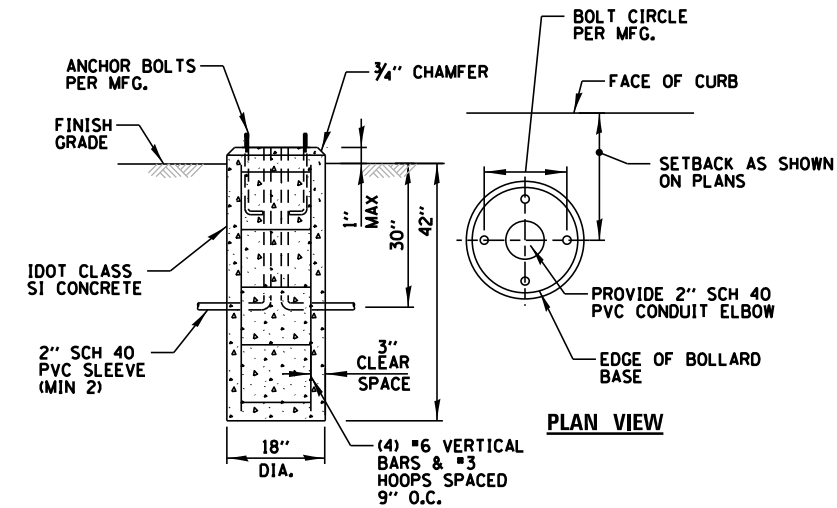


**LANDSCAPE BOLLARD**

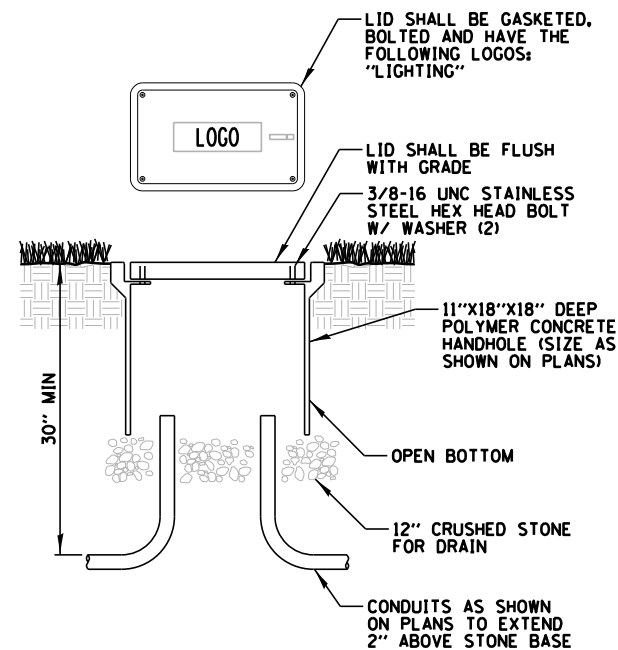
NOTES:

1. CONTRACTOR SHALL COORDINATE SIZE AND ORIENTATION OF BOLT CIRCLE, WITH BOLLARD MANUFACTURER.
2. CONCRETE FOUNDATION, ANCHOR BOLTS, SPARE RACEWAYS AND FASTENERS SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR "BOLLARDS".
3. FOUNDATIONS SHALL NOT PROTRUDE MORE THAN 4" ABOVE FINISHED GRADE INCLUDING ANCHOR RODS.

**LANDSCAPE BOLLARD/FOUNDATION DETAIL**  
N.T.S.



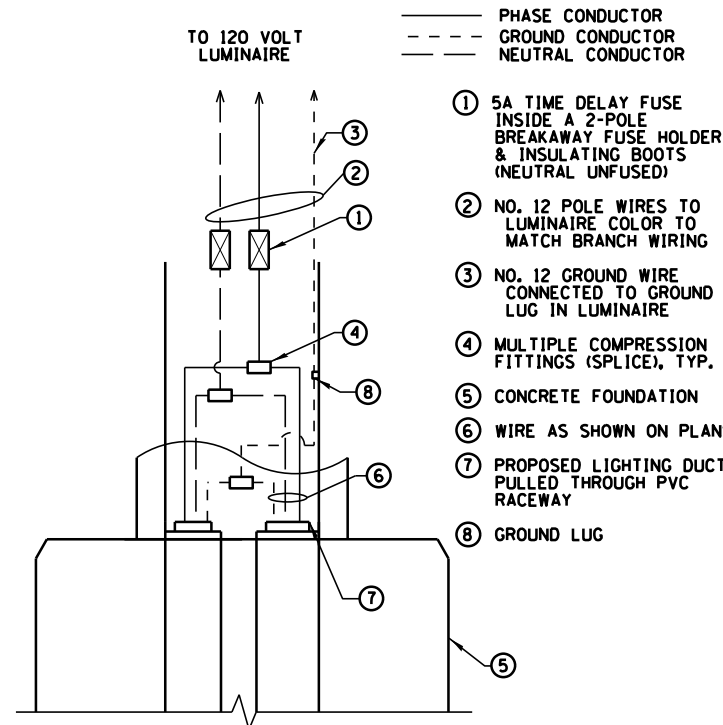
**BOLLARD CONCRETE FOUNDATION DETAIL**



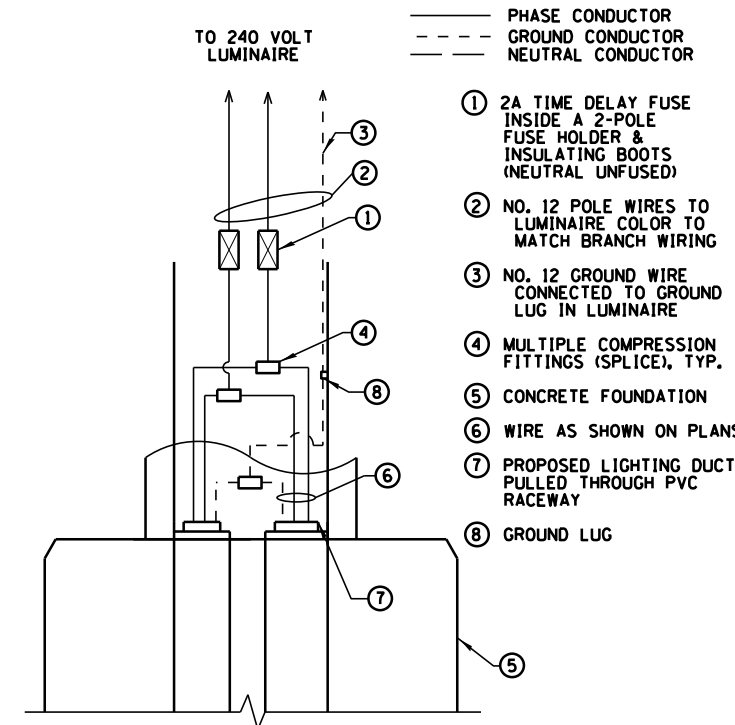
NOTES:

1. ALL SPLICES SHALL BE WATERPROOF. SEE SPLICING DETAIL.
2. POLYMER CONCRETE HANDHOLE AND LID SHALL BE GREY.
3. BOX & LID SHALL MEET/EXCEED ANSI TIER 15 LOADING REQUIREMENTS, AND BE TESTED IN ACCORDANCE WITH THE LATEST EDITION OF THE ANSI/SCTE 77 "SPECIFICATION FOR UNDERGROUND ENCLOSURE INTEGRITY", AND THE PROVISIONS OF PARAGRAPHS 5.2.3 AND 5.2.4 OF WESTERN UNDERGROUND COMMITTEE GUIDE 3.6.

**POLYMER CONCRETE HANDHOLE**  
N.T.S.



**120V BOLLARD HANDHOLE WIRING DIAGRAM**  
N.T.S.



**240V BOLLARD HANDHOLE WIRING DIAGRAM**  
N.T.S.

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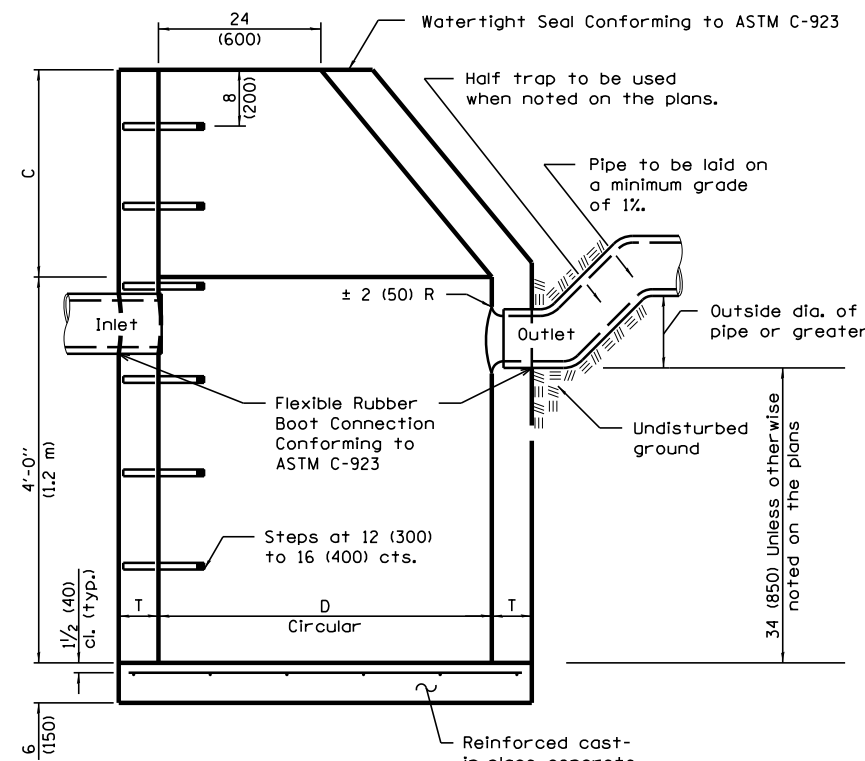
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

RIVERSIDE ROAD /RIVERSIDE METRA STATION IMPROVEMENT  
ELECTRICAL DETAILS (1 OF 2)

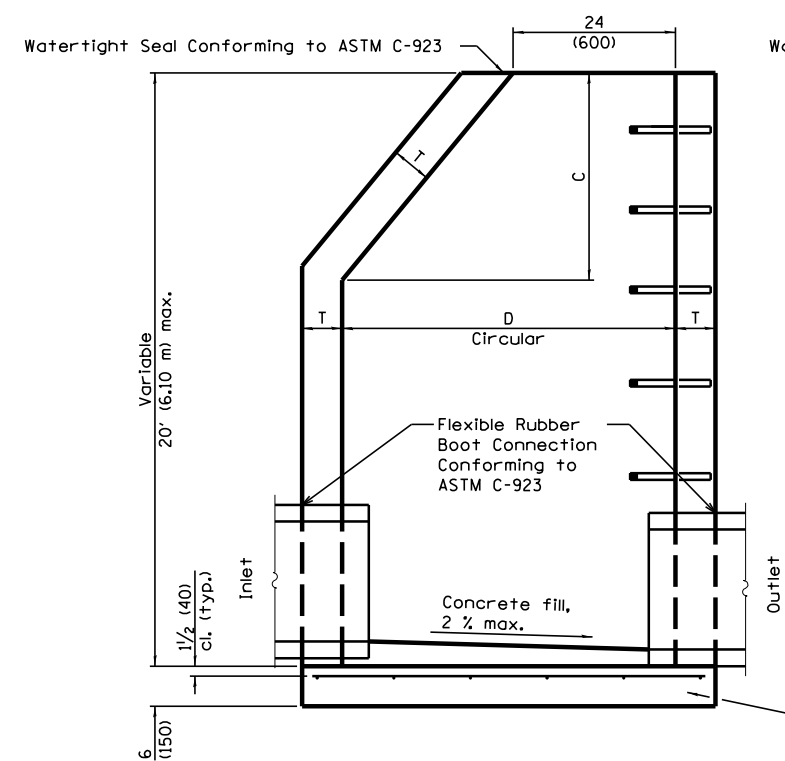
SCALE: 1" = 1' SHEET OF SHEETS STA. TO STA.

F.A.U. RTE. 1693 3569	SECTION 17-00084-00-M5	COUNTY COOK	TOTAL SHEETS 29	SHEET NO. 18
CONTRACT NO. 61E89				
ILLINOIS FED. AID PROJECT				

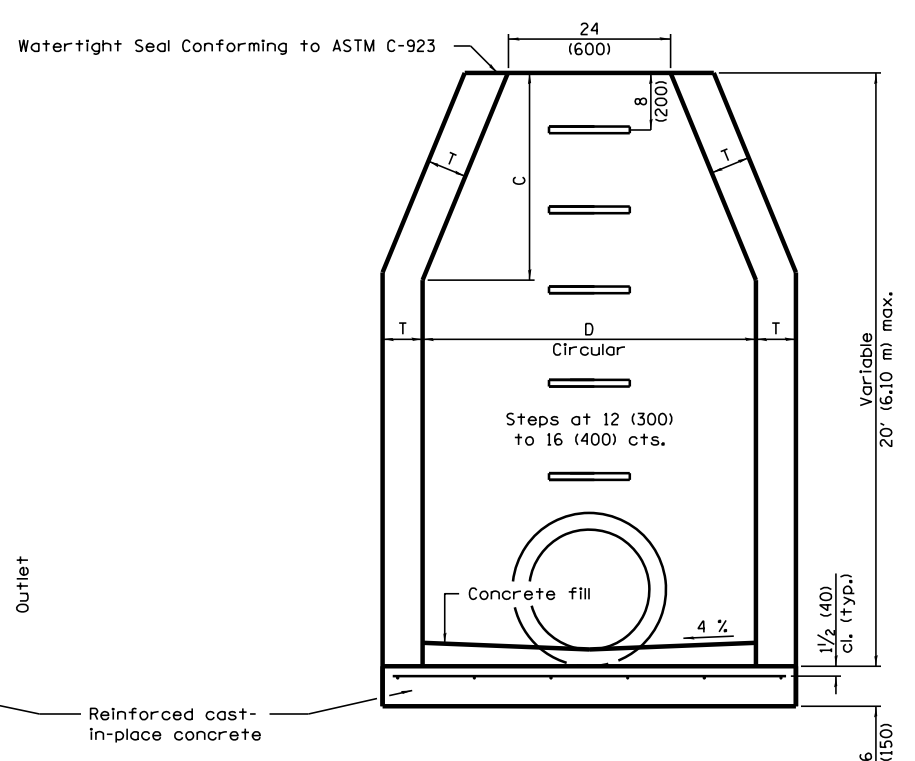




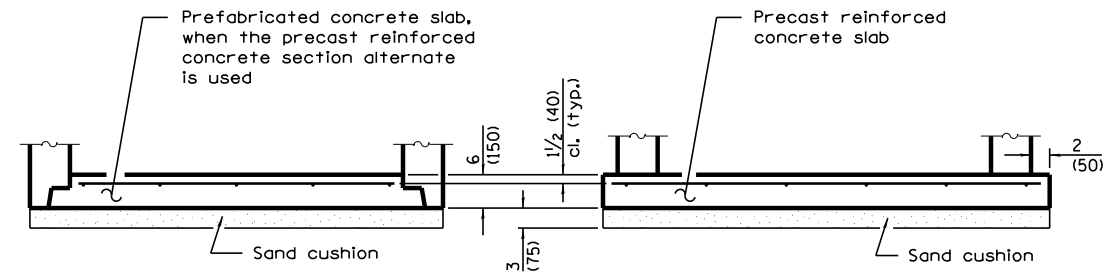
**ELEVATION**  
(Standard Outlet)



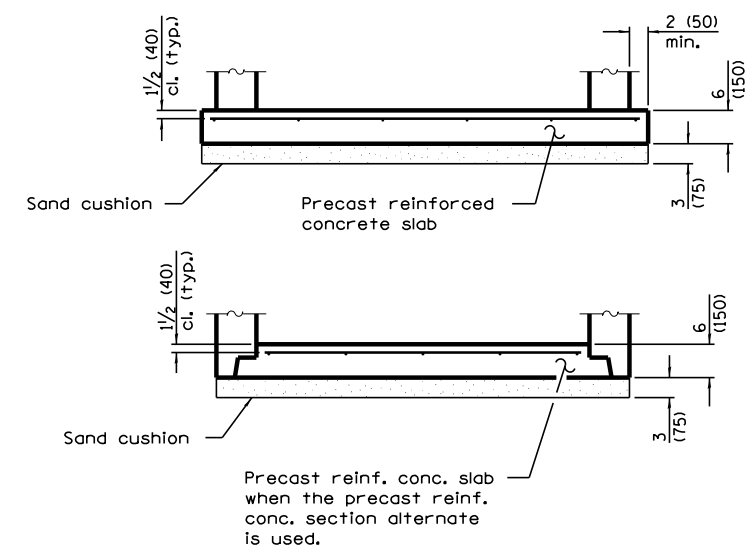
**ELEVATION - ECCENTRIC**



**ELEVATION - CONCENTRIC**



**ALTERNATE BOTTOM SLAB**



**ALTERNATE BOTTOM SLAB**

ALTERNATE MATERIALS FOR WALLS	D	C*	T (min.)
Precast Reinforced Concrete Section	4'-0" (1.2 m) 5'-0" (1.5 m)	30 (750) 3'-9" (1.15 m)	4 (100) 5 (125)
Cast-in-place Concrete	4'-0" (1.2 m) 5'-0" (1.5 m)	30 (750) 3'-9" (1.15 m)	6 (150) 6 (150)

\* For precast reinforced concrete sections, dimension "C" may vary from the dimension given to plus 6 (150).

ALTERNATE MATERIALS FOR WALLS	D	C*	T (min.)
Precast Reinforced Concrete Section	4'-0" (1.2 m) 5'-0" (1.5 m)	30 (750) 3'-9" (1.15 m)	4 (100) 5 (125)
Cast-in-place Concrete	4'-0" (1.2 m) 5'-0" (1.5 m)	30 (750) 3'-9" (1.15 m)	6 (150) 6 (150)

\* For precast reinforced concrete sections, dimension "C" may vary from the dimension given to plus 6 (150).

**GENERAL NOTES**

Bottom slabs shall be reinforced with a minimum of 0.20 sq. in./ft (420 sq. mm/m) in both directions with a maximum spacing of 12 (300).

Bottom slabs may be connected to the riser as determined by the fabricator; however, only a single row of reinforcement around the perimeter may be utilized.

See Standard 602601 for optional precast reinforced concrete flat slab top.

See Standard 602701 for details of steps.

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

**GENERAL NOTES**

Bottom slabs shall be reinforced with a minimum of 0.31 sq. in./ft. (660 sq. mm/m) in both directions with a maximum spacing of 12 (300).

Bottom slabs may be connected to the riser as determined by the fabricator; however, only a single row of reinforcement around the perimeter may be utilized.

See Standard 602701 for details of steps.

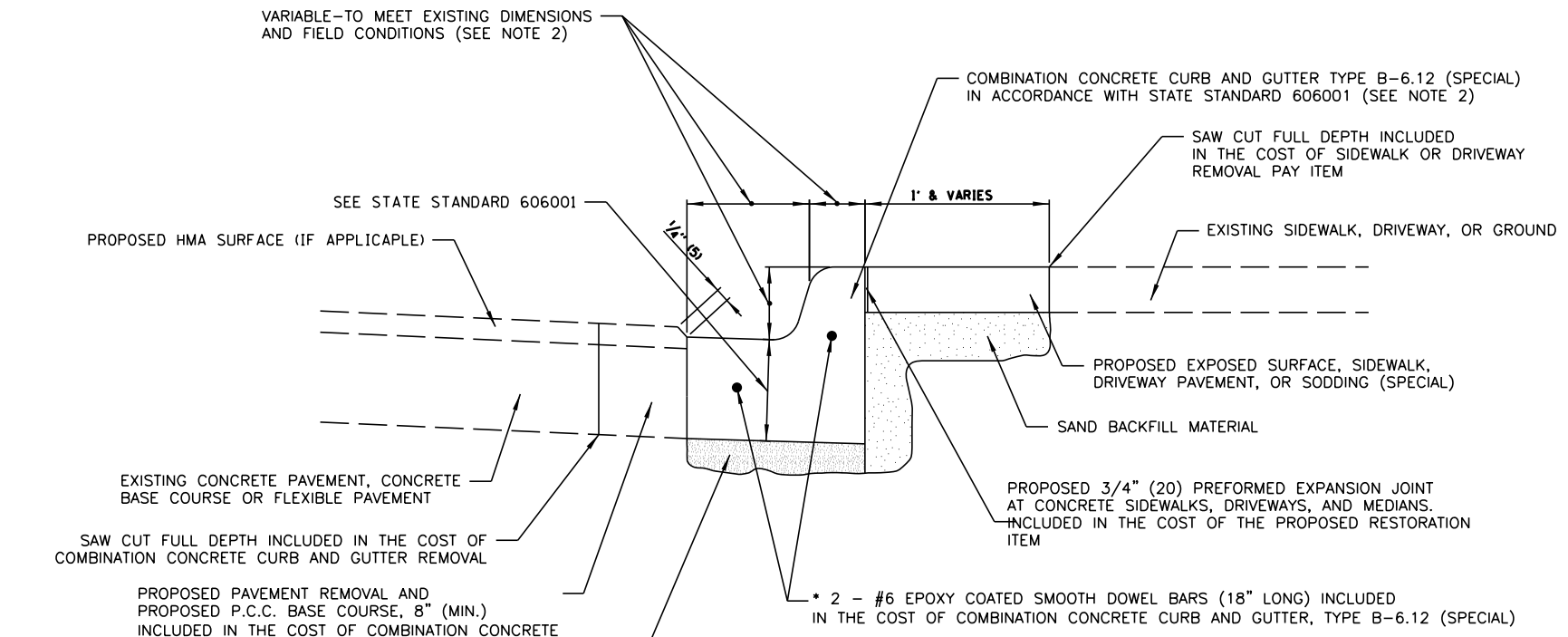
See Standard 602601 for optional Precast Reinforced Concrete Flat Slab Top.

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

**CATCH BASIN, TYPE A**

**MANHOLES, TYPE A**





VARIABLE—TO MEET EXISTING DIMENSIONS AND FIELD CONDITIONS (SEE NOTE 2)

SEE STATE STANDARD 606001

PROPOSED HMA SURFACE (IF APPLICABLE)

EXISTING CONCRETE PAVEMENT, CONCRETE BASE COURSE OR FLEXIBLE PAVEMENT

SAW CUT FULL DEPTH INCLUDED IN THE COST OF COMBINATION CONCRETE CURB AND GUTTER REMOVAL

PROPOSED PAVEMENT REMOVAL AND PROPOSED P.C.C. BASE COURSE, 8" (MIN.) INCLUDED IN THE COST OF COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (SPECIAL)

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

REMOVAL AND REPLACEMENT 4" (100) OR LESS IS INCLUDED IN COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (SPECIAL)

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

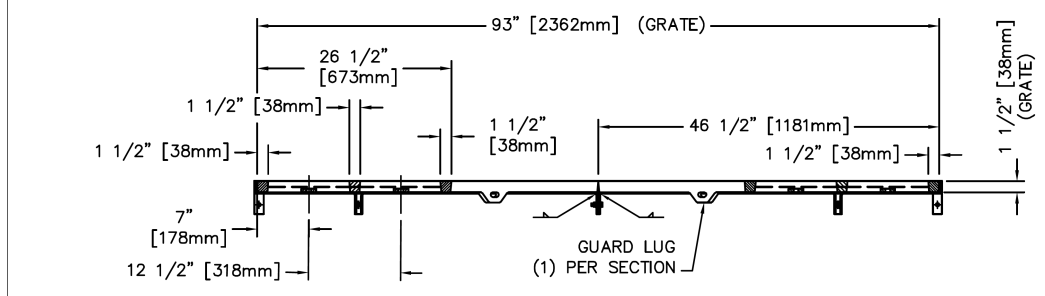
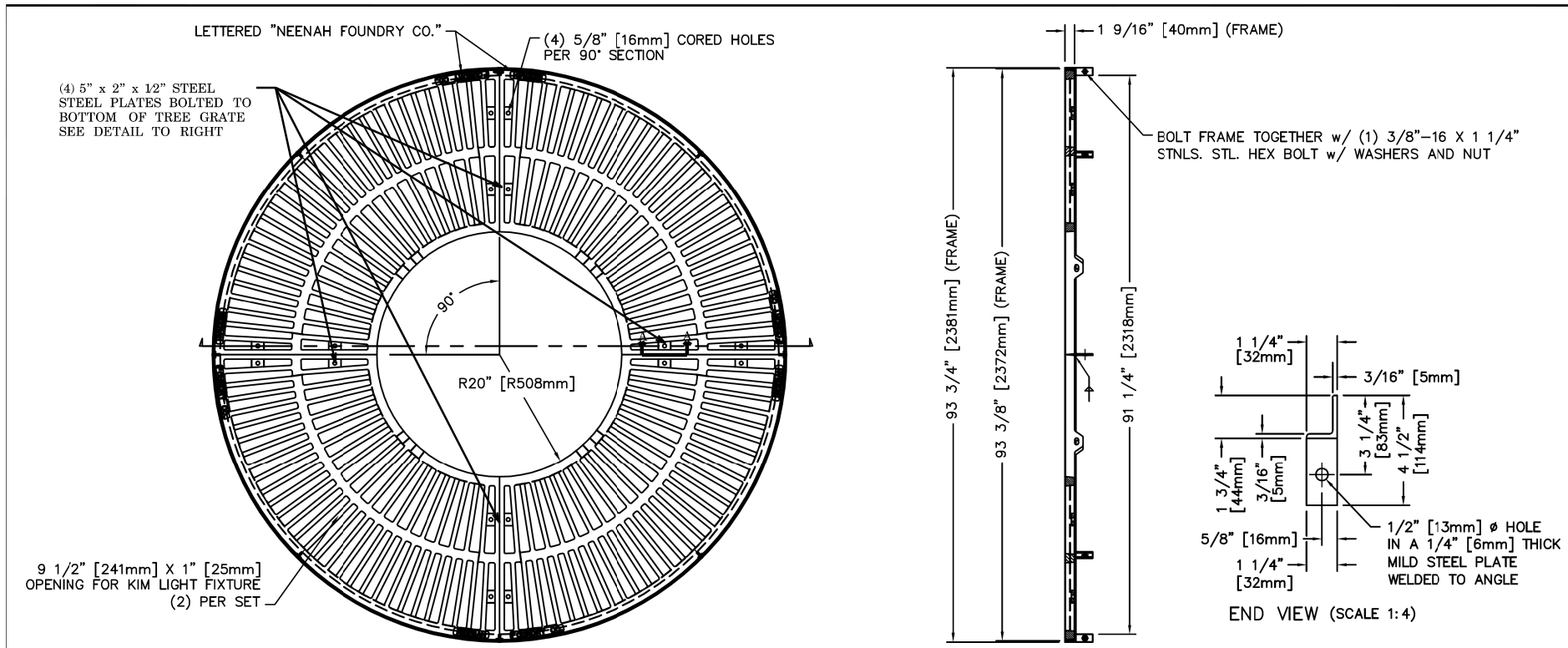
**BASIS OF PAYMENT:**  
 THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER FOOT (METER) FOR "COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (SPECIAL)"

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

- NOTE:**
1. SIDEWALK, DRIVEWAY PAVEMENT OR MEDIAN SURFACE SHALL BE SIMILAR TO THE MATERIAL BEING REMOVED AND WILL BE PAID FOR SEPARATELY.
  2. CURB OR CURB AND GUTTER REMOVAL SHALL MATCH THE SHAPE OF THE EXISTING CURB OR CURB AND GUTTER UNLESS OTHERWISE DIRECTED BY THE ENGINEER IN THE FIELD
  3. THE COST OF HMA SURFACE REMOVAL IN THE EXISTING GUTTER FLAG SHALL BE INCLUDED IN THE COST OF COMBINATION CONCRETE CURB AND GUTTER REMOVAL.
  4. LONGITUDINAL BARS, IF ENCOUNTERED IN THE EXISTING CURB OR CURB AND GUTTER, ARE NOT TO BE REPLACED. CUTTING AND REMOVING LONGITUDINAL BARS SHALL BE INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT.
  5. THE COST OF HMA SURFACE REMOVAL IN THE EXISTING GUTTER FLAG SHALL BE INCLUDED IN THE COST OF COMBINATION CONCRETE CURB AND GUTTER REMOVAL.
  6. THE REMOVAL AND REPLACEMENT OF THE EXISTING CURB OR CURB AND GUTTER SHALL BE DONE IN ACCORDANCE WITH THE APPLICABLE PORTIONS OF SECTION 440 AND 606 OF THE STANDARD SPECIFICATIONS.
  7. THE LOCATIONS OF REMOVAL AND REPLACEMENT OF EXISTING CURB OR CURB AND GUTTER SHALL BE DETERMINED BY THE RESIDENT ENGINEER AT THE TIME OF CONSTRUCTION.
- \* 2 - #6 EPOXY COATED SMOOTH DOWEL BARS (18" LONG) INCLUDED IN THE COST OF COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (SPECIAL)

**COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (SPECIAL)**

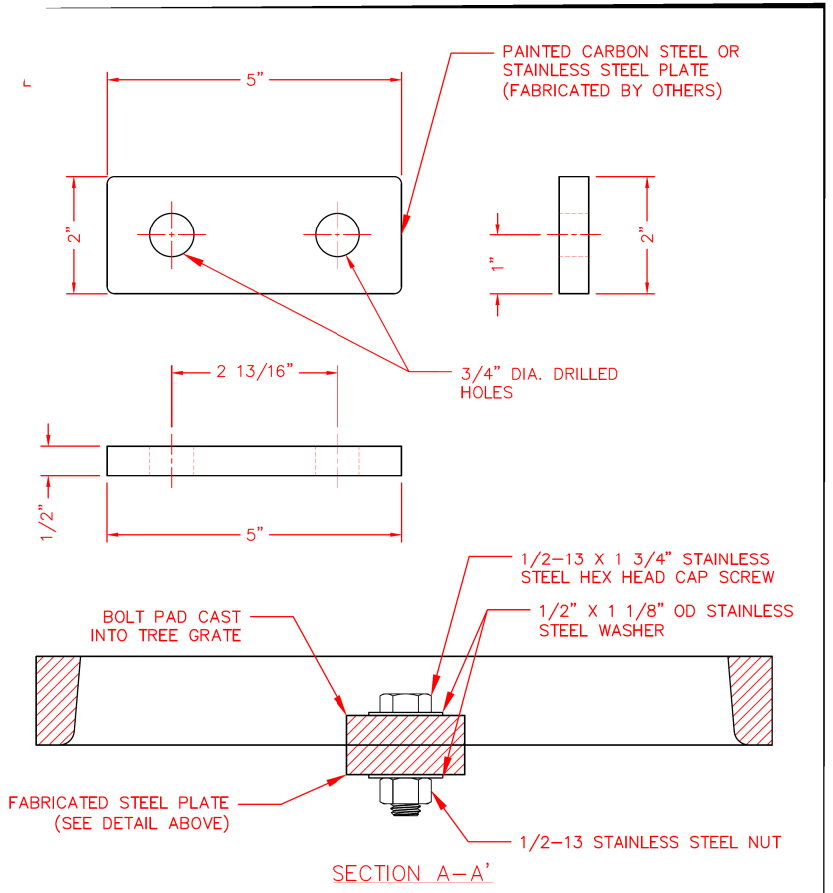
FILE NAME =	USER NAME = dschroeder	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>CONSTRUCTION DETAILS METRA STATION PEDESTRIAN ACCESS IMPROVEMENTS</b>	F.A.U. RTES.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N:\RIVERSIDE\120544.00072\CIVIL\DET.12054400083.02.SHT	PLOT SCALE = 48"	DRAWN -	REVISED -			1693	17-00084-00-M5	COOK	29	21
Default	PLOT DATE = 5/10/2018	CHECKED -	REVISED -			<b>CONTRACT NO. 61E89</b>				
		DATE -	REVISED -			SCALE:	SHEET 2 OF 3 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT



NOTE: ALL DIMENSIONS SHOWN ARE IN ENGLISH AND [METRIC]  
 UNDERSIDE SUPPORT REQ'D. UNDER JOINTS (BY OTHERS)  
 COMPONENT NOS.: TREE GRATE - 8860-101  
 ANGLE FRAME - 9992-9338  
 MATERIAL: TREE GRATE - CAST GRAY IRON ASTM A-48, CLASS 35B  
 ANGLE FRAME - STEEL  
 FINISH: NO PAINT  
 WEIGHT: 665# PER SET

DR.	RKB	SCALE	3/4"=1'-0"	TITLE	R-8860
CH.	SPT	4 PC. TREE GRATE w/ STEEL ANGLE FRAME			
APP.	SPT	NEENAH FOUNDRY			
DATE	02-16-2018	NEENAH WISCONSIN 54956 PHONE 800-558-5075			
	www.nfco.com	LINCOLN, NEBRASKA 68529 PHONE 800-234-7466			
			NF-8860T01		B

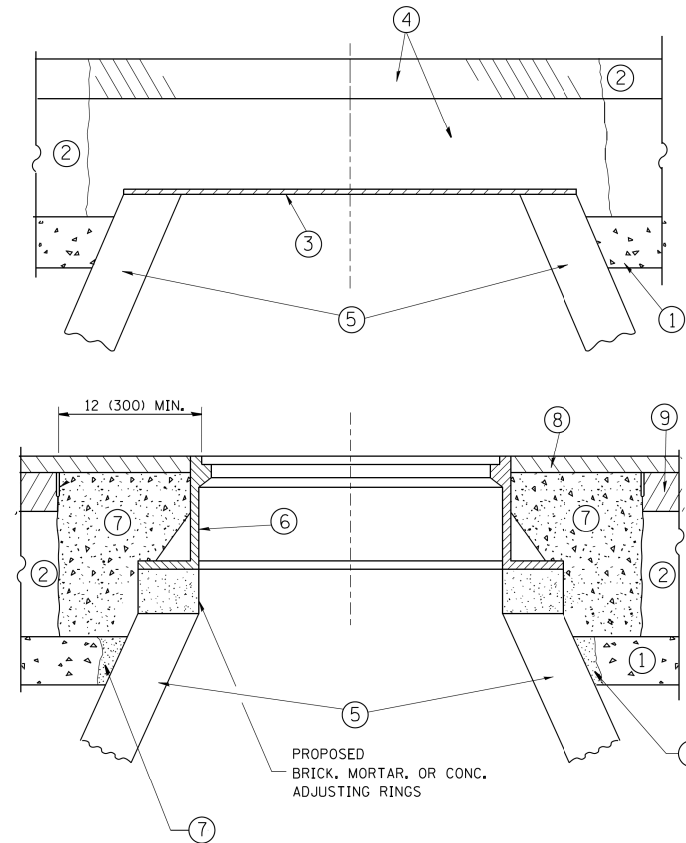
CAD DWG. REF: 8860T01.DWG- 1



STEEL PLATE DETAIL  
 SCALE: 1" = 2"

NOTE: ALL DIMENSIONS SHOWN ARE IN ENGLISH

DR.	JJF	SCALE	1"=1'-0"	TITLE	R-8860
CH.	HSH	STEEL PLATE CONNECTION DETAILS			
APP.	JJF	NEENAH FOUNDRY			
DATE	02-28-2017	NEENAH WISCONSIN 54956 PHONE 800-558-5075			
	www.nfco.com	LINCOLN, NEBRASKA 68529 PHONE 800-234-7466			
			NF-T2850		B



**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 1 1/2 (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

**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.

**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.

**DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING**

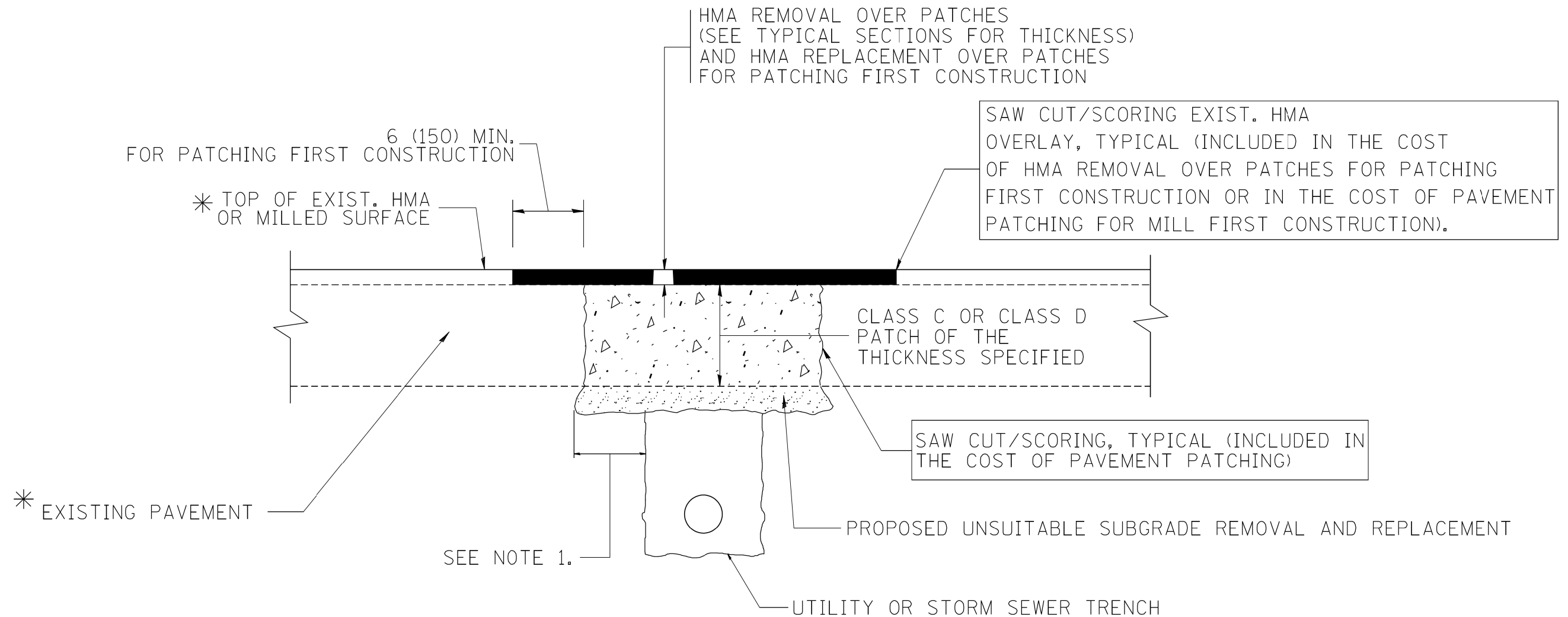
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

FILE NAME =	USER NAME = bauerdl	DESIGNED - R. SHAH	REVISED - R. WIEDEMAN 05-14-04
ca:\pwork\pwork\baerd\1\0108315\bd08.dgn		DRAWN -	REVISED - R. BORO 01-01-C7
	PLOT SCALE = 1/8" = 1'-0"	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**

<b>DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING</b>			
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1693 3569	17-00084-00-MS	COOK	29	23
<b>BD600-03 (BD-8)</b>			CONTRACT NO. <b>61E89</b>	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



\* SEE TYPICAL SECTIONS FOR THICKNESS AND MATERIALS

**NOTES:**

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

SEQUENCE OF CONSTRUCTION (PATCHING FIRST)

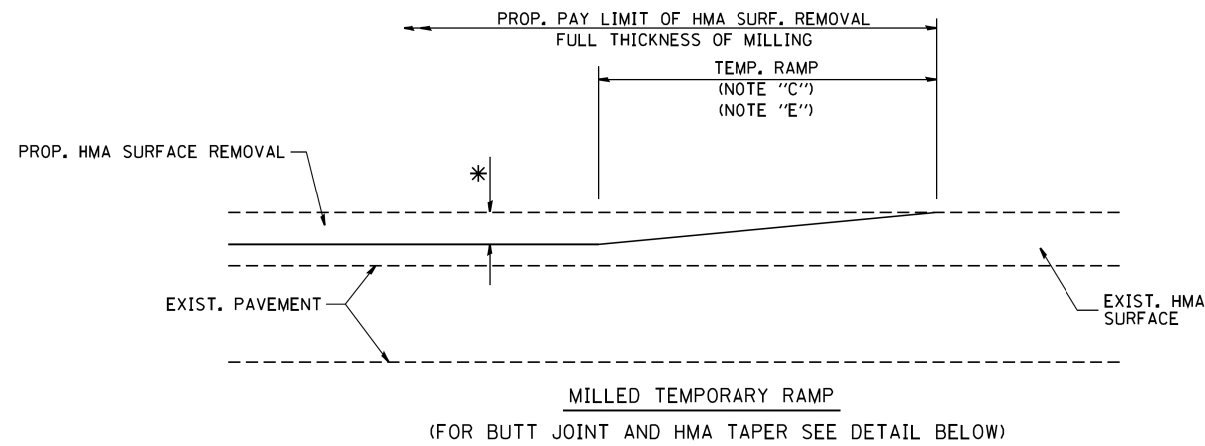
1. REMOVE THE EXISTING HMA MATERIAL OVER THE AREA TO BE PATCHED.
2. REMOVE AND REPLACE WITH CLASS C OR D PATCH.
3. REPLACE HMA MATERIAL OVER THE AREA TO BE PATCHED.

SEQUENCE OF CONSTRUCTION (MILLING FIRST)

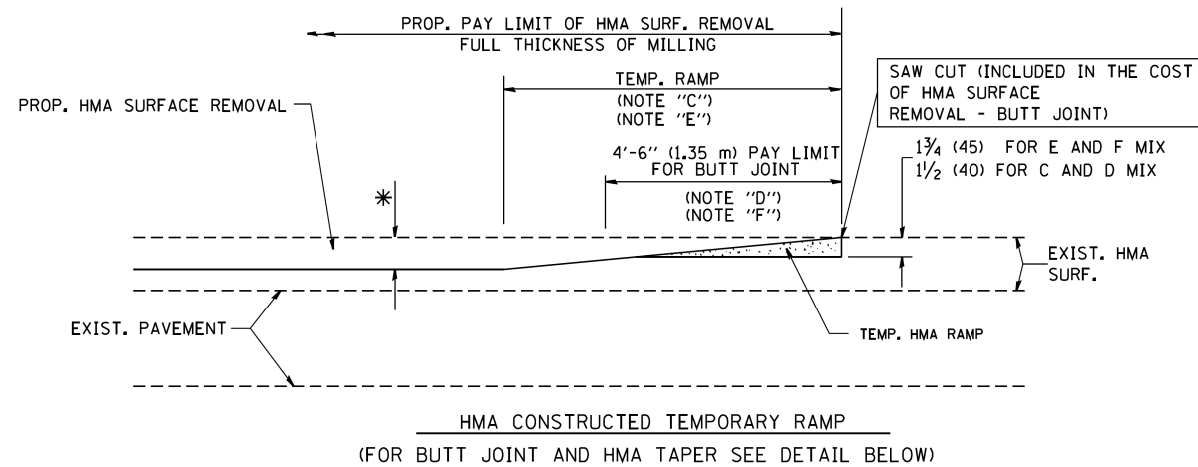
1. MILL HMA FIRST IF THERE IS AT LEAST 4 1/2 INCHES OR MORE OF HMA MATERIAL ON TOP OF THE EXISTING PAVEMENT OR IF THE PAVEMENT IS FULL DEPTH HMA. A MINIMUM OF 2 INCHES OF HMA MATERIAL SHALL BE IN PLACE AFTER MILLING.
2. REMOVE AND REPLACE WITH FULL DEPTH CLASS D PATCHES TO TOP OF MILLED SURFACE.

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

FILE NAME = c:\projects\diststd22x34\bd22.dgn	USER NAME = bauerdl	DESIGNED - R. SHAH	REVISED - A. ABBAS 04-27-98	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT</b>			F.A.U. RTE. 1693 3569	SECTION 17-00084-00-MS	COUNTY COOK	TOTAL SHEETS 29	SHEET NO. 24
	PLOT SCALE = 50.000' / IN.	CHECKED -	REVISED - R. BORO 09-04-07		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	<b>BD400-04 (BD-22)</b>		CONTRACT NO. <b>61E89</b>	
	PLOT DATE = 10/27/2008	DATE - 10-25-94	REVISED - K. ENG 10-27-08		FED. ROAD DIST. NO. 1   ILLINOIS FED. AID PROJECT							

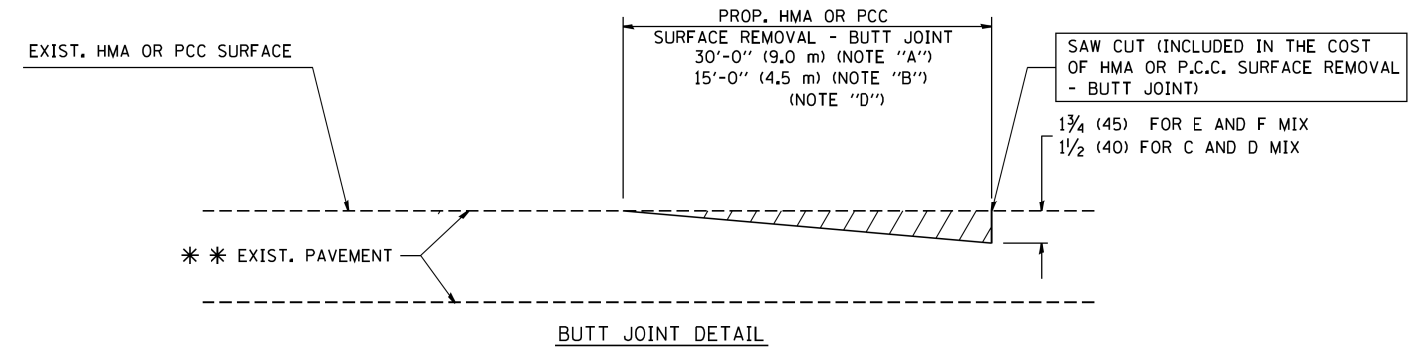


**OPTION 1**

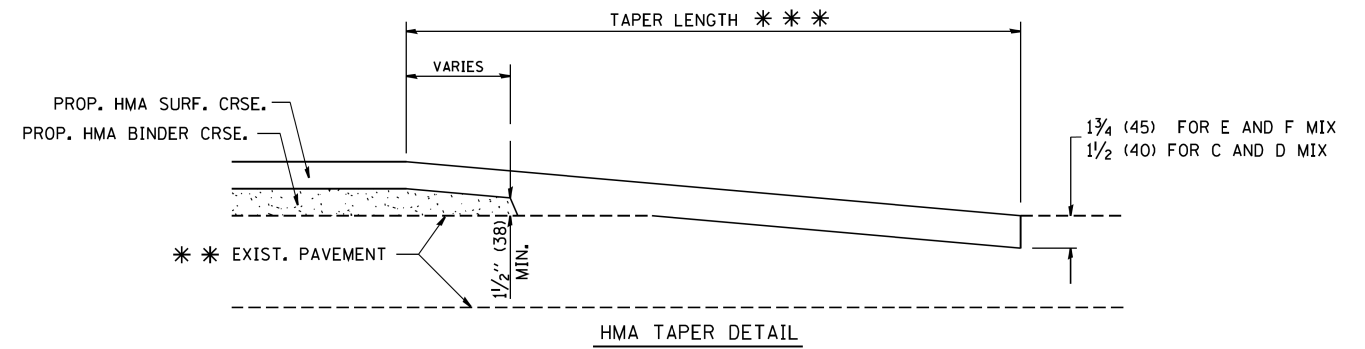


**OPTION 2**

**TYPICAL TEMPORARY RAMP**



**BUTT JOINT DETAIL**



**HMA TAPER DETAIL**

**TYPICAL BUTT JOINT AND HMA TAPER FOR RESURFACING ONLY**

\*\*\* PC CONCRETE, HMA OR HMA RESURFACED PAVEMENT.

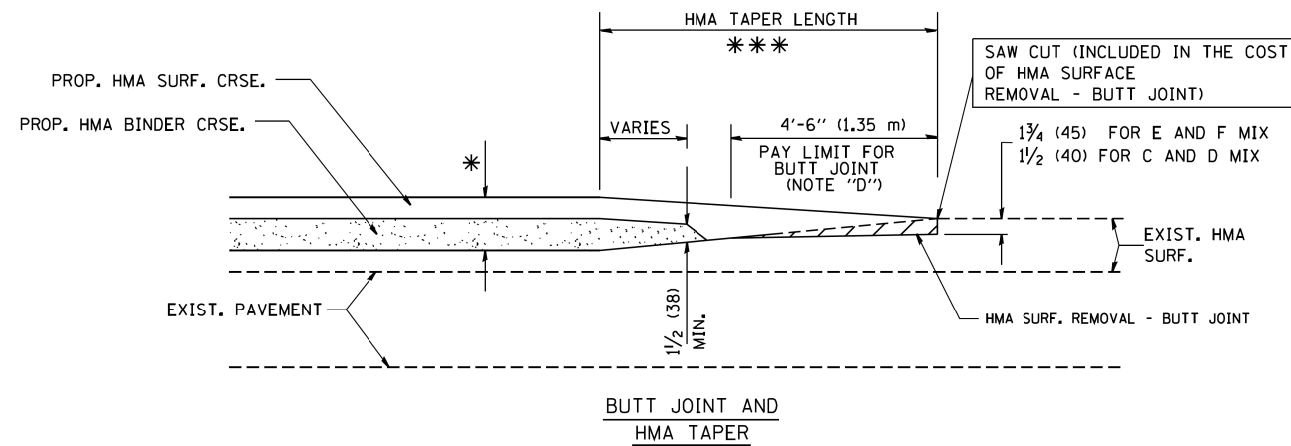
**NOTES**

- 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.



**TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING**

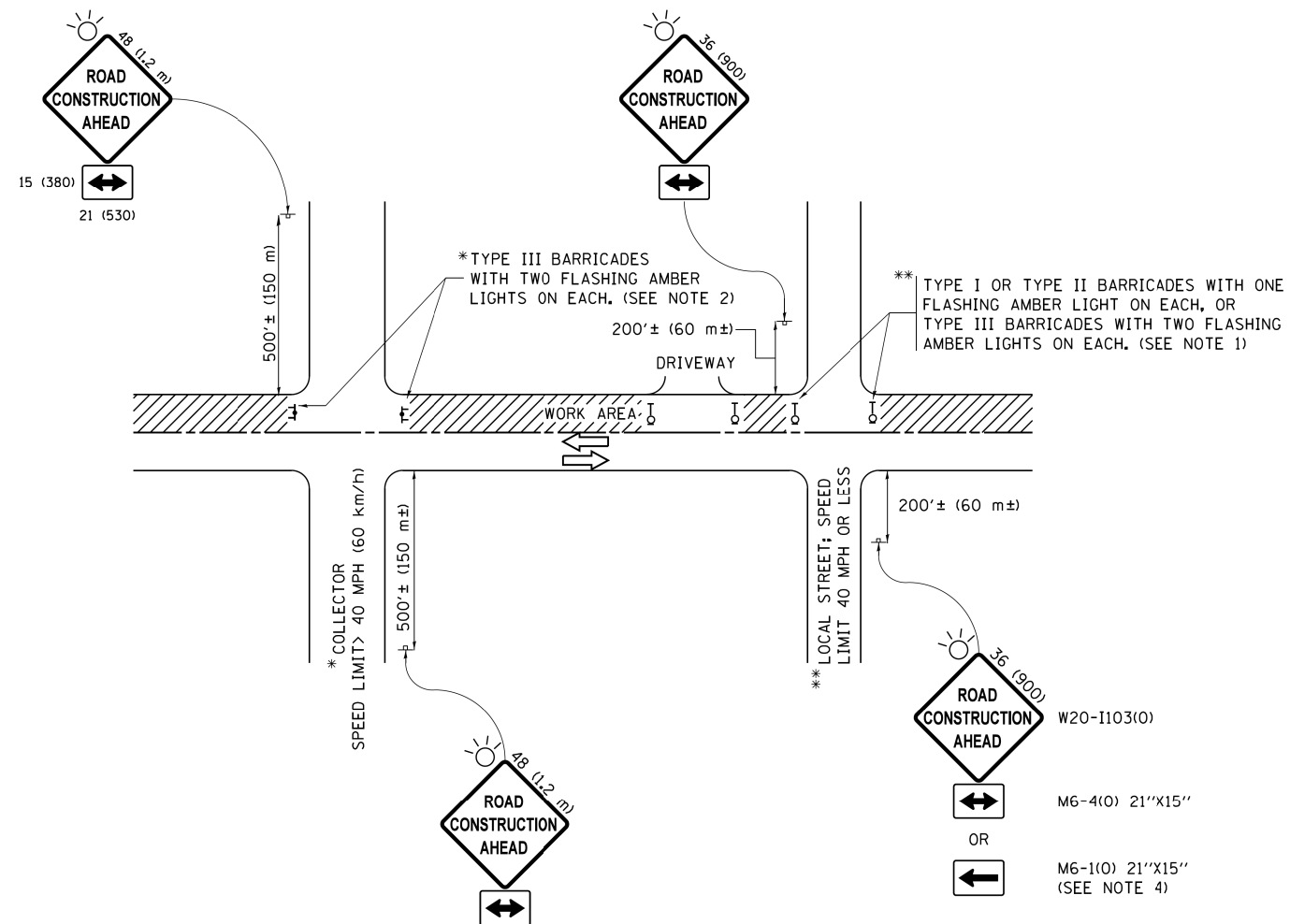
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	PLOT SCALE = 50,0000 ' / IN.	CHECKED -	REVISED - M. GOMEZ 04-06-01
	PLOT DATE = 1/4/2008	DATE - 06-13-90	REVISED - R. BORO 01-01-07

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>BUTT JOINT AND HMA TAPER DETAILS</b>	
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE. 1693 3569	SECTION 17-00084-00-MS	COUNTY COOK	TOTAL SHEETS 29	SHEET NO. 25
BD400-05 BD32		CONTRACT NO. 61E89		
FED. ROAD DIST. NO. 1 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.

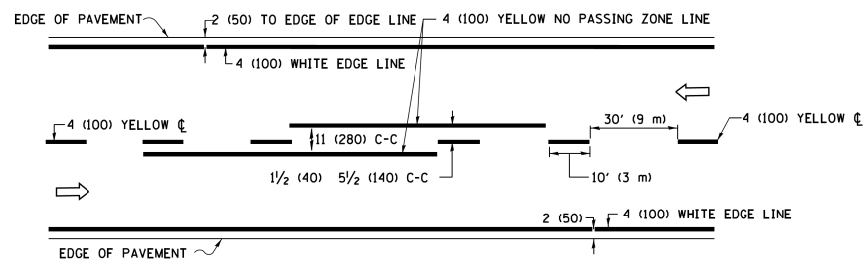
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	PLOT DATE = 9/15/2016		REVISED - A. SCHUETZE 09-15-16

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

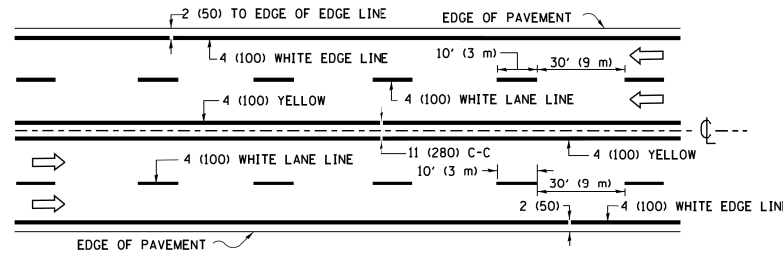
**TRAFFIC CONTROL AND PROTECTION FOR  
SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS**

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

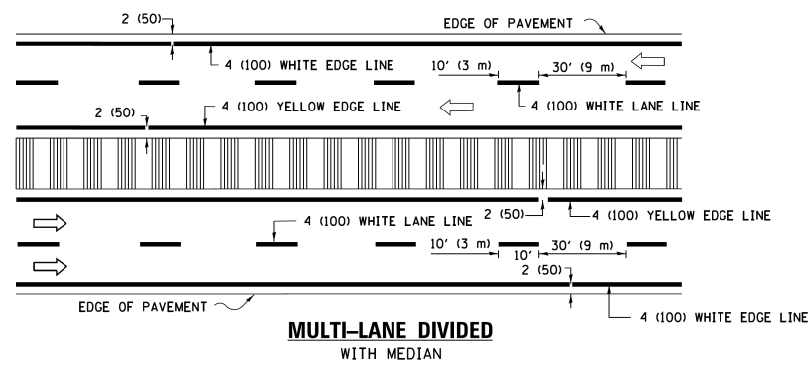
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TC-10		CONTRACT NO. 61E89		
ILLINOIS FED. AID PROJECT				



**2-LANE ROADWAY**

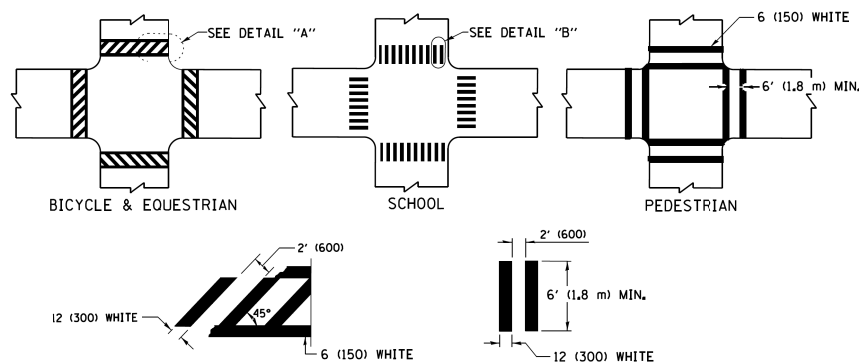


**MULTI-LANE UNDIVIDED**



**MULTI-LANE DIVIDED WITH MEDIAN**

**TYPICAL LANE AND EDGE LINE MARKING**

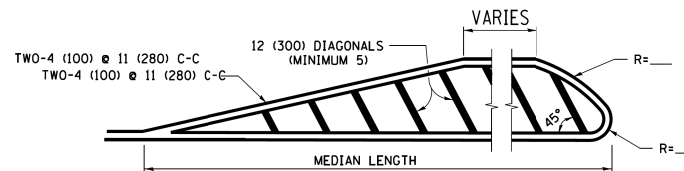
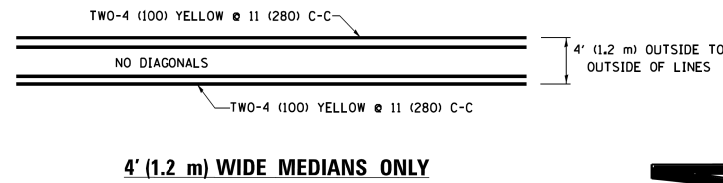


**DETAIL "A"**

**DETAIL "B"**

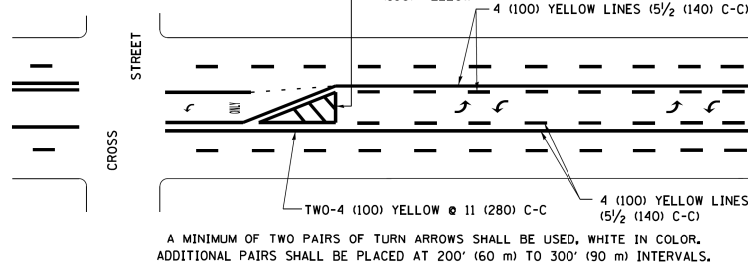
**TYPICAL CROSSWALK MARKING**

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



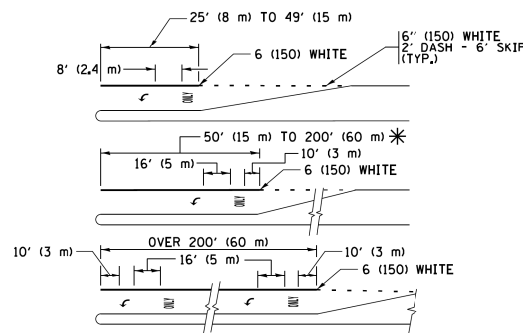
DIAGONAL LINE SPACING: 50' (15 m) C-C (LESS THAN 30MPH (50 km/h))  
75' (25 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h)  
150' (45 m) C-C (MORE THAN 45MPH (70 km/h))

**MEDIANS OVER 4' (1.2 m) WIDE**



**MEDIAN WITH TWO-WAY LEFT TURN LANE**

**TYPICAL PAINTED MEDIAN MARKING**

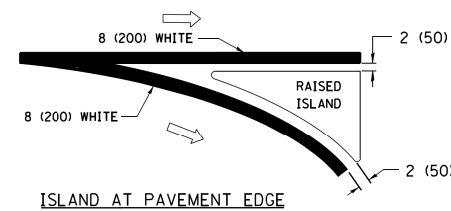
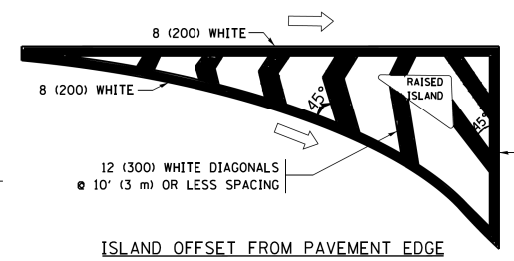


FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.  
AREA = 15.6 SQ. FT. (1.5 m<sup>2</sup>) ONLY AREA = 20.8 SQ. FT. (1.9 m<sup>2</sup>)

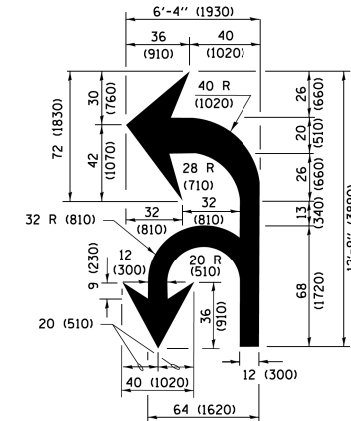
\* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

**TYPICAL LEFT (OR RIGHT) TURN LANE**

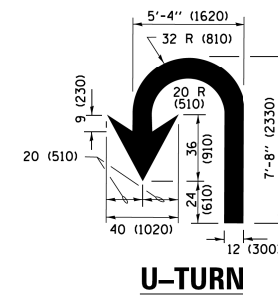
**TYPICAL TURN LANE MARKING**



**TYPICAL ISLAND MARKING**



**COMBINATION LEFT AND U-TURN**



**LANE REDUCTION TRANSITION**

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

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

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

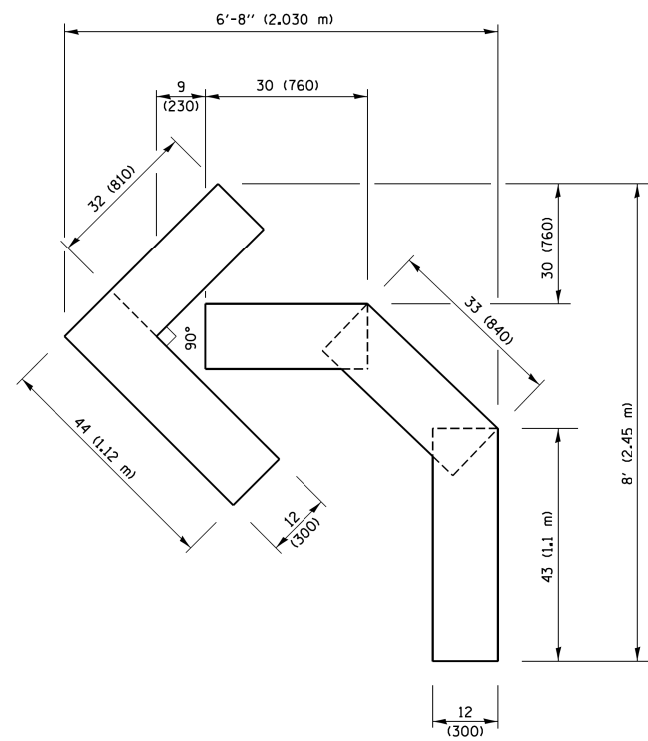
All dimensions are in inches (millimeters) unless otherwise shown.

FILE NAME =	USER NAME = lveysa	DESIGNED - EVERS	REVISED - C. JUCIUS 09-09-09
W:\dststd\22x34\td3.dgn		DRAWN -	REVISED - C. JUCIUS 07-01-13
Default	PLOT SCALE = 50.000' / in.	CHECKED -	REVISED - C. JUCIUS 12-21-15
	PLOT DATE = 6/23/2017	DATE - 03-19-90	REVISED - C. JUCIUS 04-12-16

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

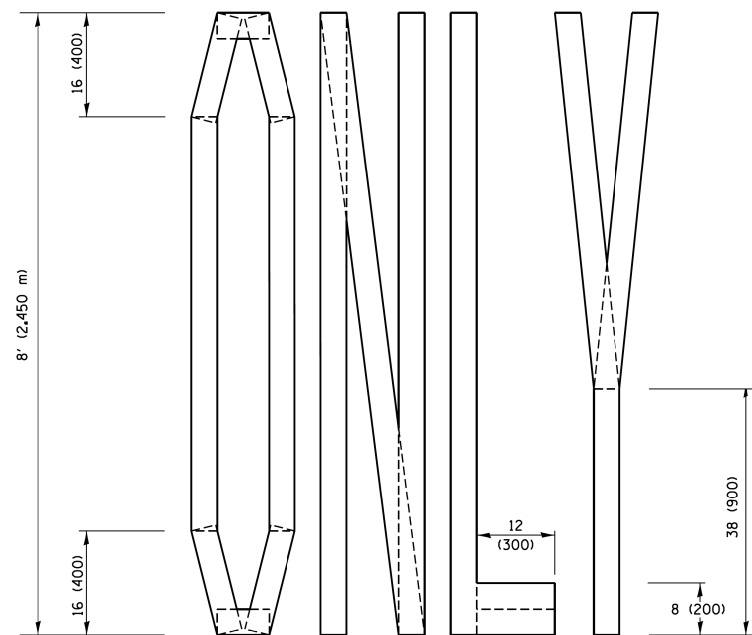
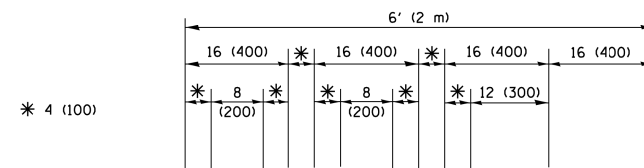
<b>DISTRICT ONE</b>			
<b>TYPICAL PAVEMENT MARKINGS</b>			
SCALE: NONE	SHEET 1	OF 1 SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1693 3569	17-00084-00-MS	COOK	29	27
<b>TC-13</b>		CONTRACT NO. <b>61E89</b>		
ILLINOIS FED. AID PROJECT				



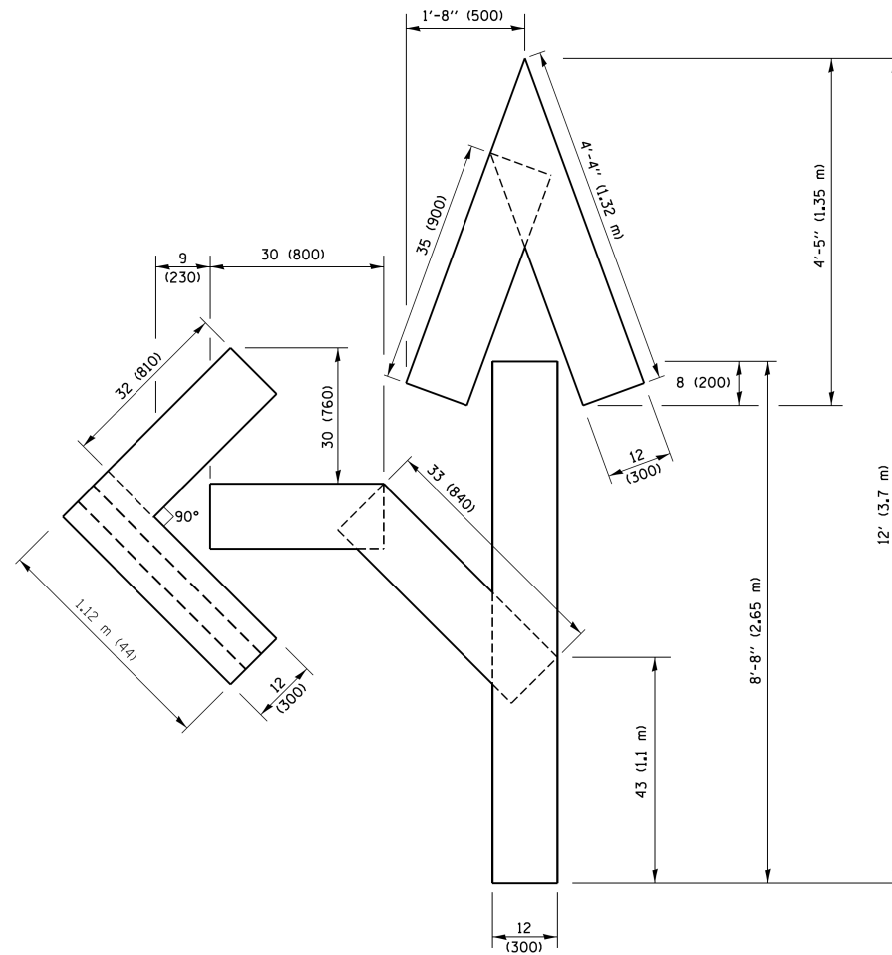
**QUANTITY**

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)

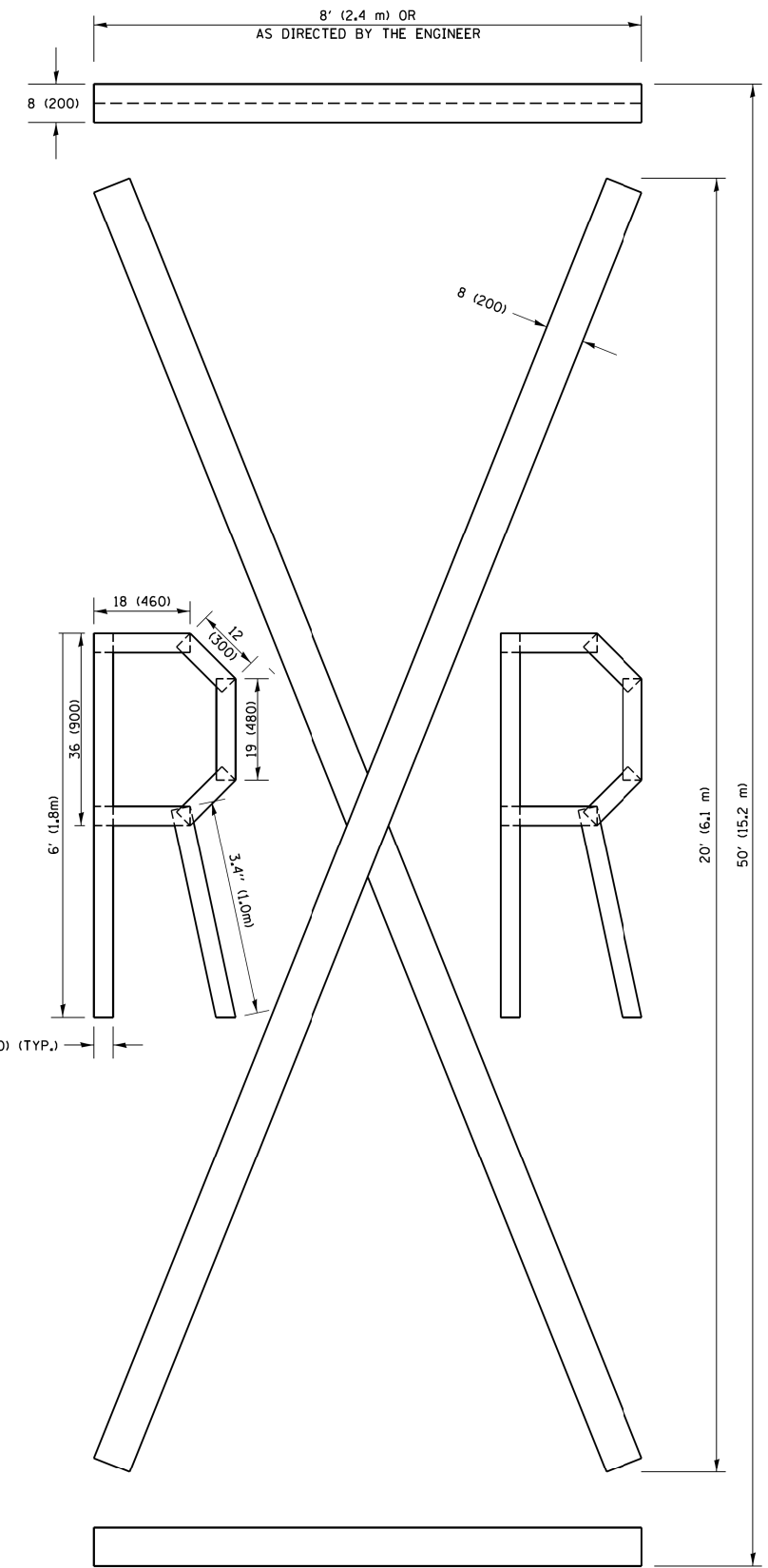


**QUANTITY**

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 =	USER NAME = footemj	DESIGNED -	REVISED -T. RAMMACHER 03-02-98
pwt\IL084EBID\INTEG\Illinois.gov\PIWIDOT\Documents\IDOT Offices\District 1\Projects\Dist 1\CAD\Drawings\CAD\Drawings\to16.dgn		CHECKED -	REVISED -E. GOMEZ 08-28-00
		DATE - 09-18-94	REVISED -E. GOMEZ 08-28-00
			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.U. RTE. 1693 3569	SECTION 17-00084-00-M5	COUNTY COOK	TOTAL SHEETS 29	SHEET NO. 28
TC-16		CONTRACT NO. 61E89		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

