

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	



PRINTED BY AUTHORITY OF THE STATE OF ILLINOIS

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

APPROVED: *Ed Bailey* May 4, 2018
 PUBLIC WORKS DIRECTOR, VILLAGE OF RIVERSIDE

PASSED: JUNE 11 2018
Chris Holt
 DISTRICT ENGINEER OF LOCAL ROADS AND STREETS

RELEASING FOR BID BASED ON LIMITED REVIEW: JUNE 15 2018
Anthony J. DeRicco
 REGIONAL ENGINEER

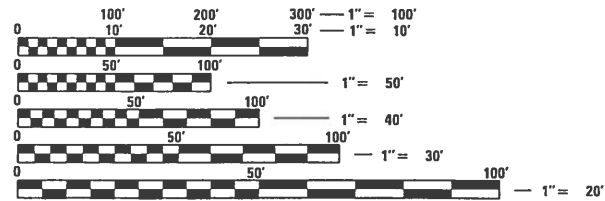
TRAFFIC DATA

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)

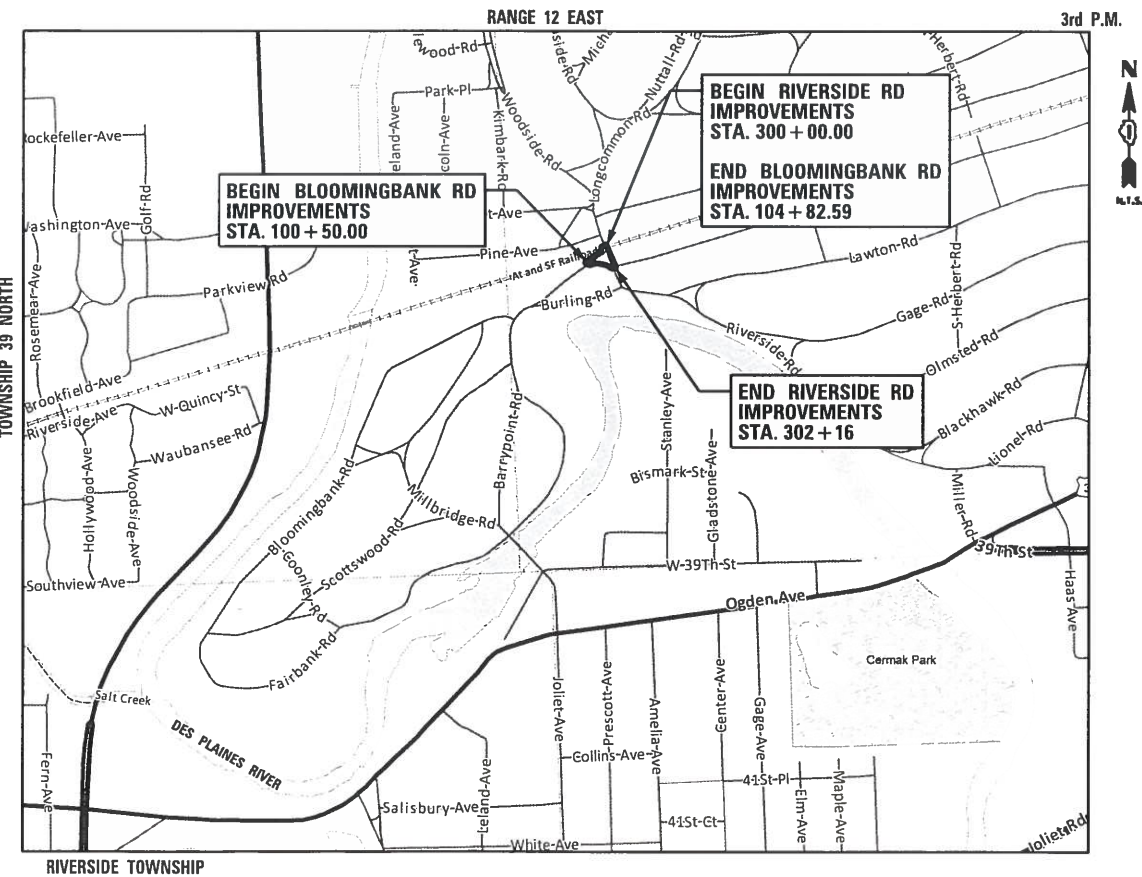


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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.

LONGCOMMON ROAD GROSS LENGTH = 216 LINEAL FEET (0.04 MILES) NET LENGTH = 216 LINEAL FEET (0.04 MILES)	BLOOMINGBANK ROAD GROSS LENGTH = 480 LINEAL FEET (0.09 MILES) NET LENGTH = 480 LINEAL FEET (0.09 MILES)	TOTAL GROSS LENGTH = 696 LINEAL FEET (0.13 MILES) NET LENGTH = 696 LINEAL FEET (0.13 MILES)
--	--	--

May 10 2018
Douglas J. Gotham
DOUGLAS J. GOTHAM
 ILLINOIS REGISTRATION No. 157-000575
 EXPIRATION DATE: 08/31/19

May 10 2018
Anthony J. DeRicco
ANTHONY J. DeRICCO
 LICENSED PROFESSIONAL ENGINEER OF ILLINOIS
 ILLINOIS REGISTRATION No. 062-057484
 EXPIRATION DATE: 11/30/2019

May 10 2018
Orion C. Galey
ORION C. GALEY
 ILLINOIS REGISTRATION No. 062-060829
 EXPIRATION DATE: 11/30/2019

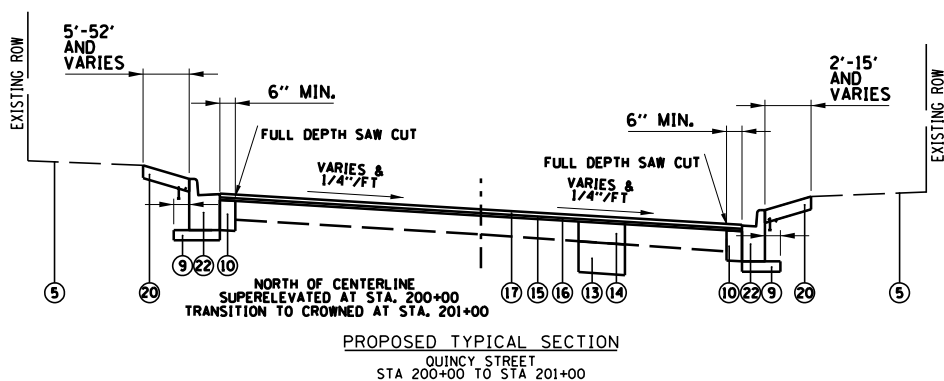
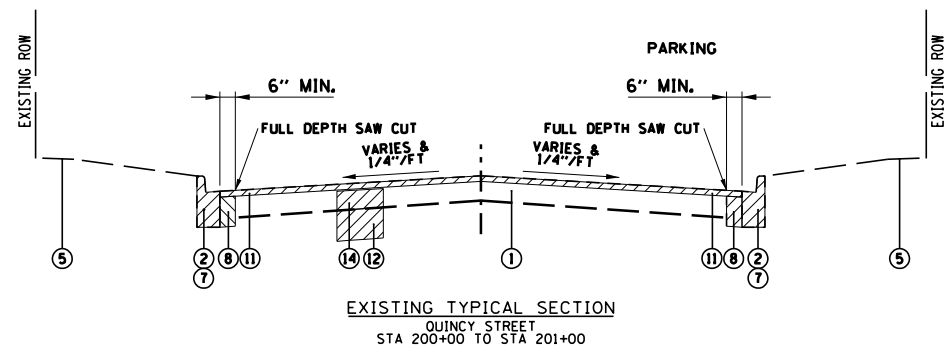
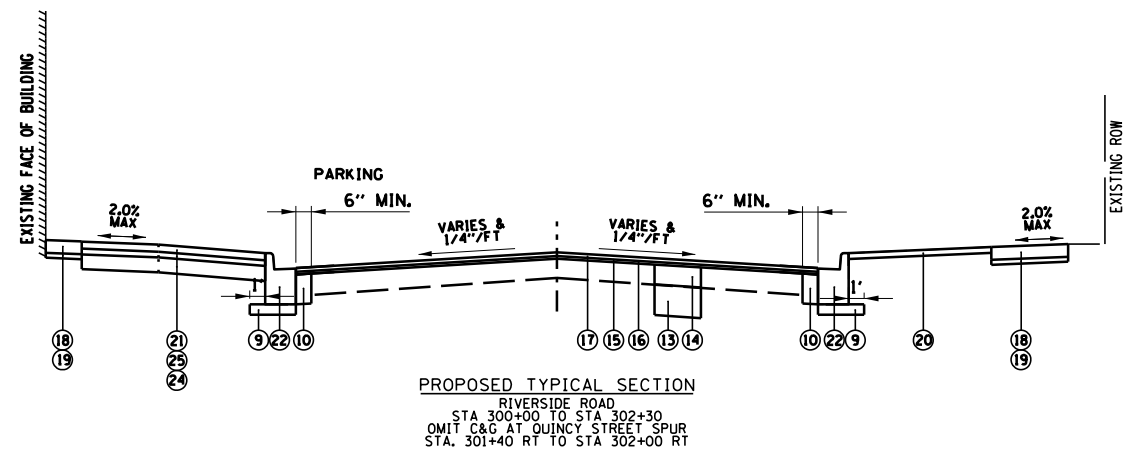
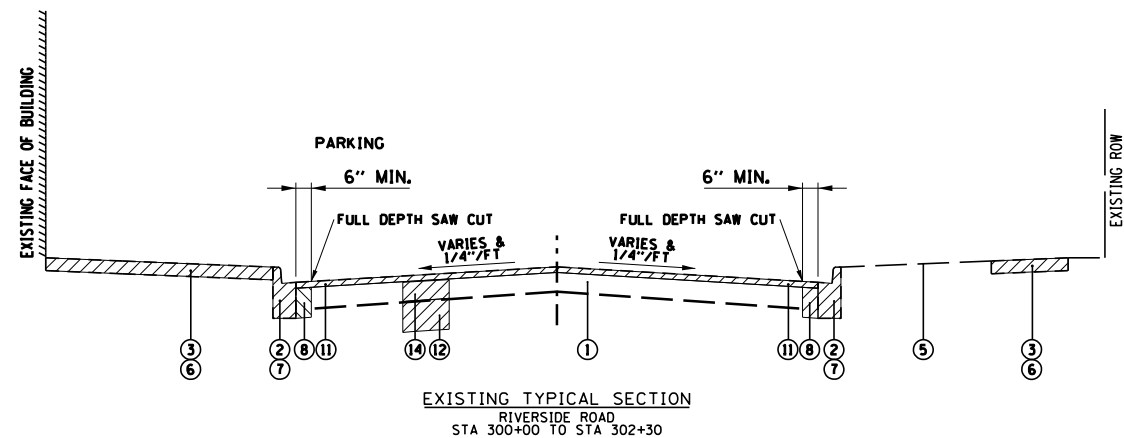
CONTRACT NO. 61E89

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
S *	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
S *	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
S *	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 576
*	XX024100	EXPOSED AGGREGATE SURFACE	SQ FT 2395
S *	Z0059600	SANITARY SEWER, TYPE 2 8"	FOOT 25
S *	Z0003855	BICYCLE RACKS	EACH 10
*	Z0004002	BOLLARDS	EACH 7
*	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
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.

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)

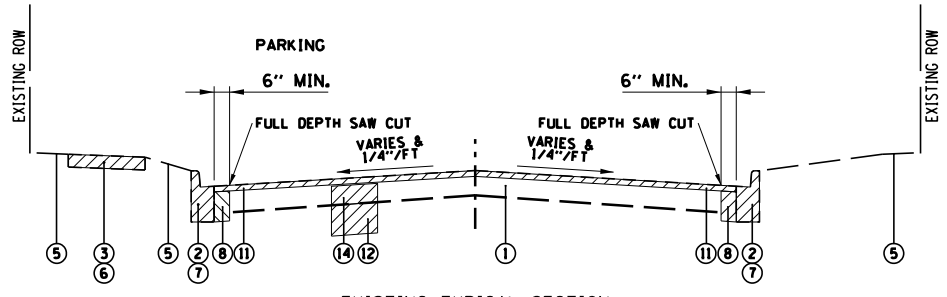
FILE NAME =	USER NAME = dschroeder	DESIGNED -	REVISED -
N:\RIVERSIDE\120544.00072\CIVIL\TYP_01.120544.00072.SHT		DRAWN -	REVISED -
Default	PLOT SCALE = 48"	CHECKED -	REVISED -
	PLOT DATE = 5/10/2018	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

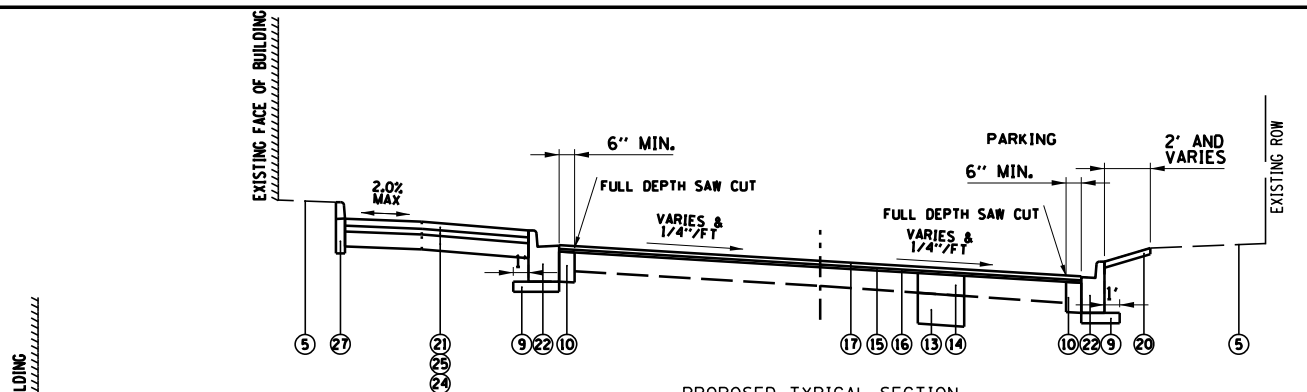
TYPICAL SECTIONS
METRA STATION PEDESTRIAN ACCESS IMPROVEMENTS

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

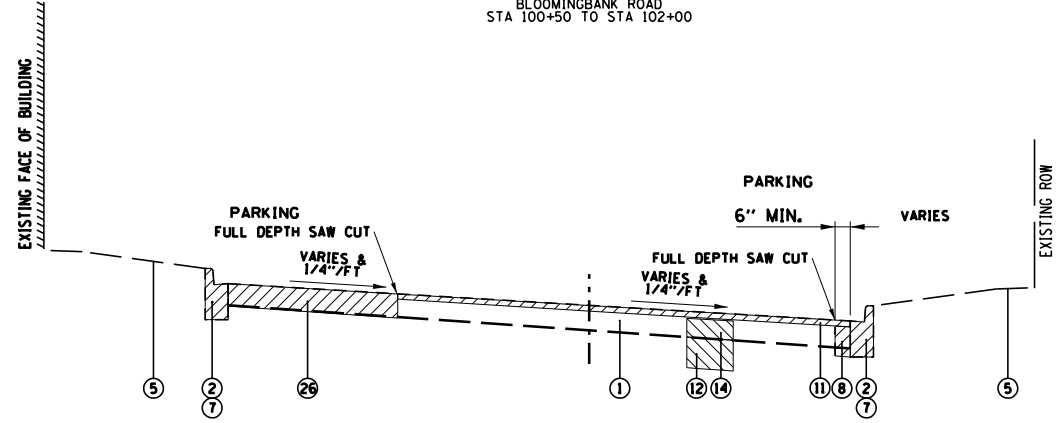
F.A.U. RTES.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1693 3569	17-00084-00-M5	COOK	29	4
CONTRACT NO. 61E89				
ILLINOIS FED. AID PROJECT				



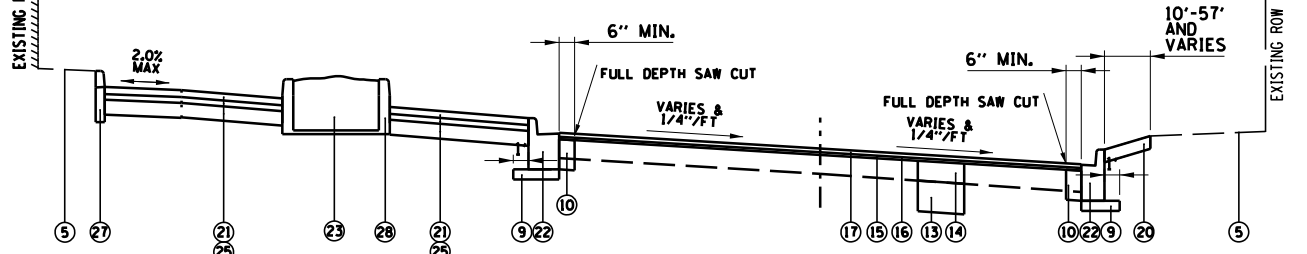
EXISTING TYPICAL SECTION
BLOOMINGBANK ROAD
STA 100+50 TO STA 102+00



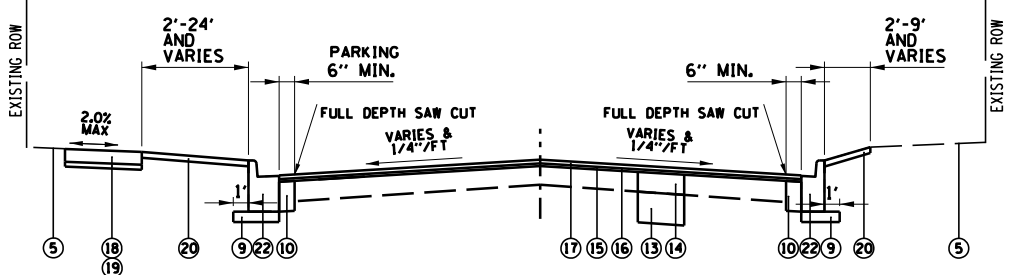
PROPOSED TYPICAL SECTION
BLOOMINGBANK ROAD
STA 102+00 TO STA 103+40



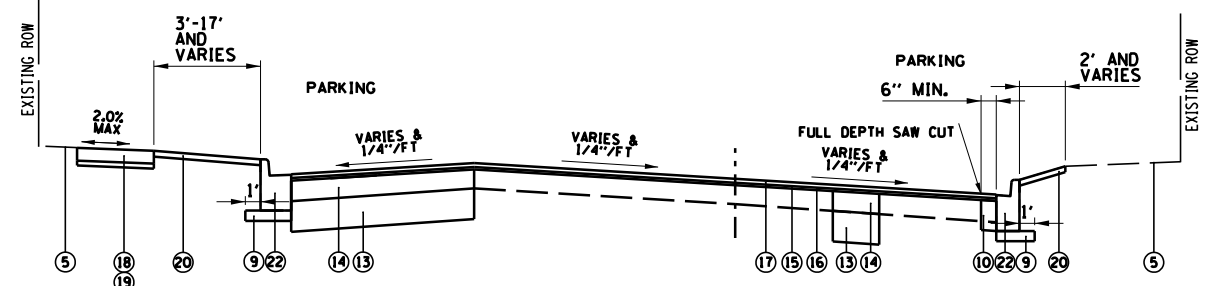
EXISTING TYPICAL SECTION
BLOOMINGBANK ROAD
STA 102+00 TO STA 104+30
OMIT C&G AT QUINCY STREET SPUR
STA. 102+29 RT TO STA 103+37 RT



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.

FILE NAME =	USER NAME = dschroeder	DESIGNED -	REVISED -
N:\RIVERSIDE\120544.00072\CIVIL\TYP.02.1	0544_00072.SHT	DRAWN -	REVISED -
Default	PLOT SCALE = 48"	CHECKED -	REVISED -
	PLOT DATE = 5/10/2018	DATE -	REVISED -

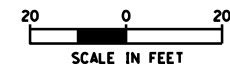
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

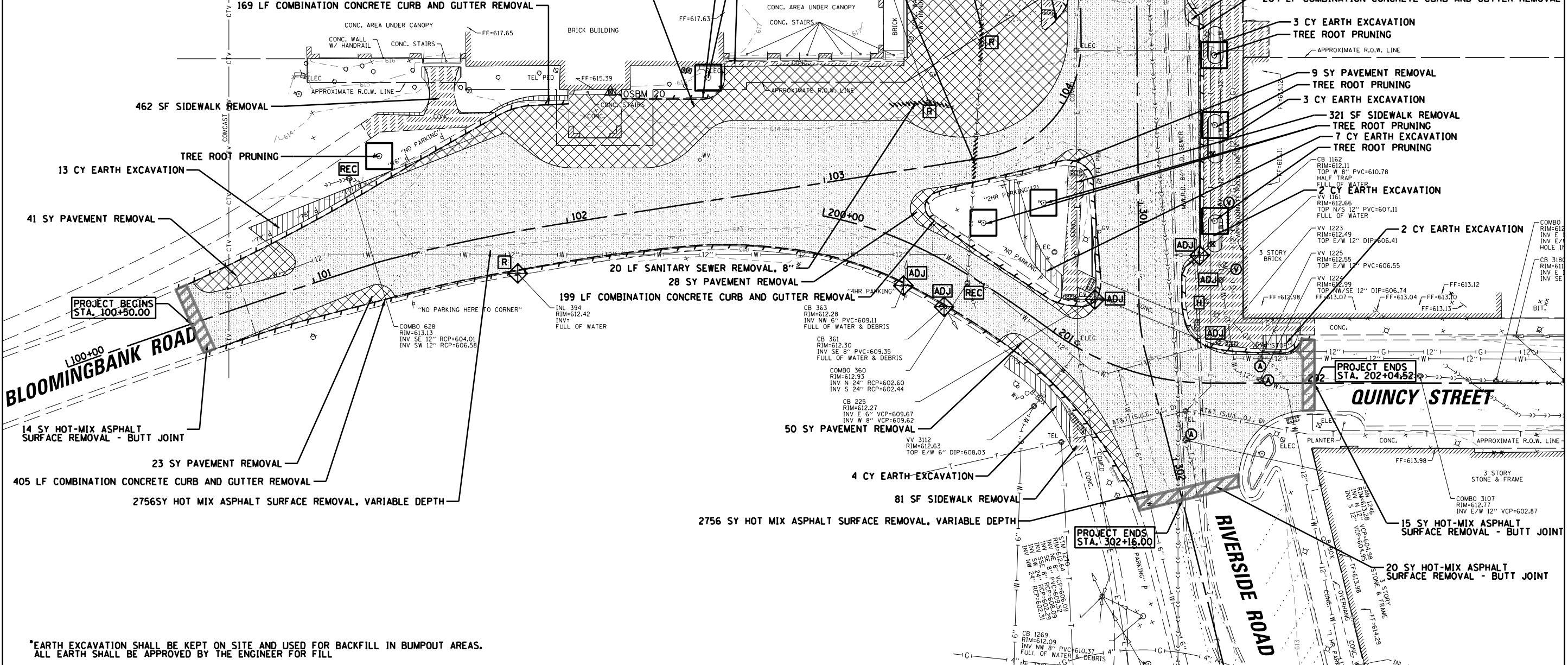
HORIZONTAL CONTROL POINTS					
POINT NO.	NORTHING (Y)	EASTING (X)	DESCRIPTION	STATION	OFFSET
205	1,879,966.26	1,124,045.06	CP-XCUT	101+31.98	50.43 LT
202	1,880,020.49	1,124,254.99	CP-PK	103+39.97	4.07 LT
1052	1,879,933.67	1,124,345.35	CP-XCUT	301+84.85	30.96 RT

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		
	TREE PROTECTION (PAID AS TEMPORARY FENCE)		
	EXISTING MANHOLE		
	EXISTING CATCH BASIN		
	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		

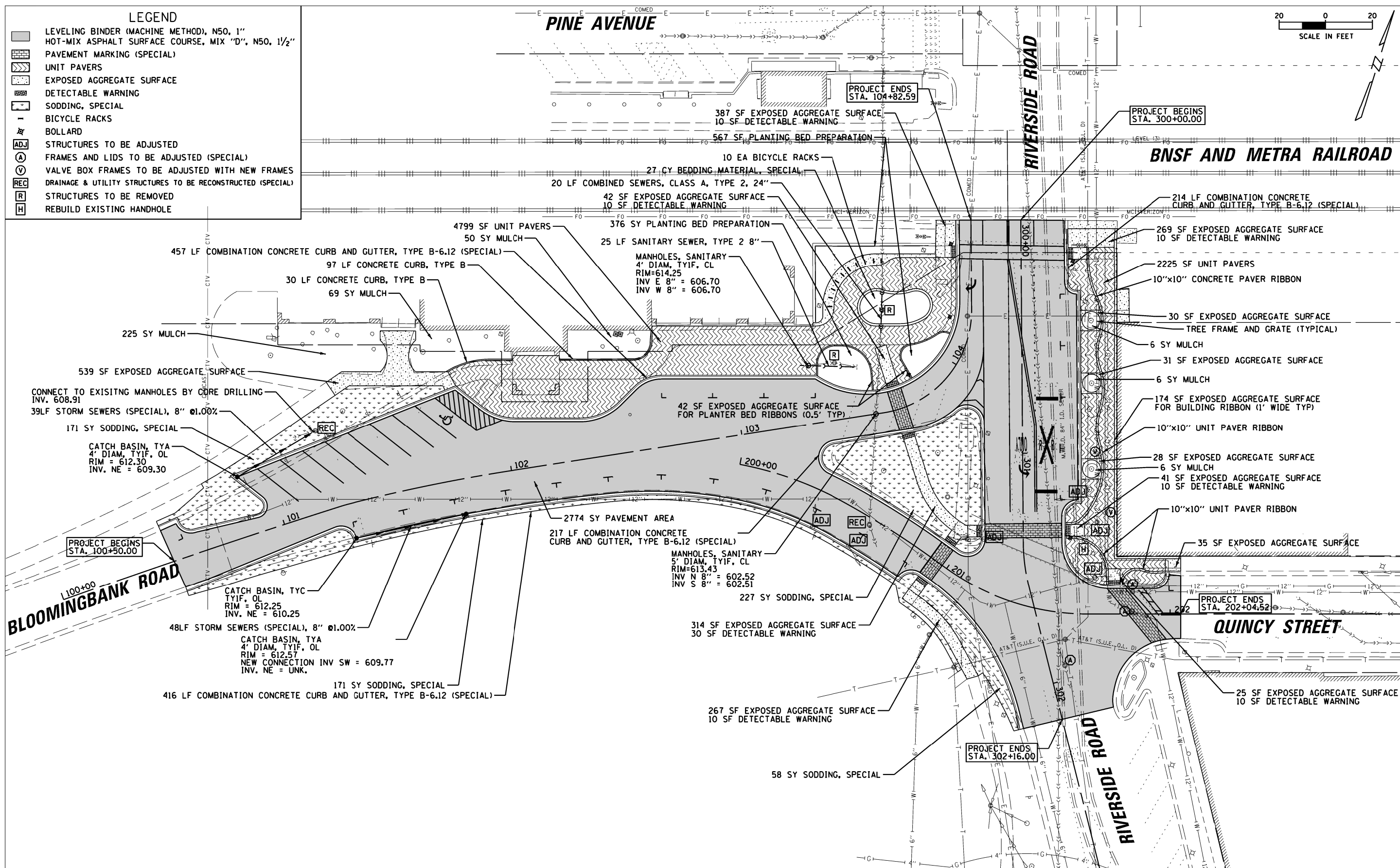
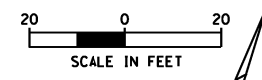


*EARTH EXCAVATION SHALL BE KEPT ON SITE AND USED FOR BACKFILL IN BUMPOUT AREAS. ALL EARTH SHALL BE APPROVED BY THE ENGINEER FOR FILL

FILE NAME =	USER NAME = dschroeder	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	REMOVAL PLAN		F.A.U. RTES.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
N:\RIVERSIDE\120544.00072\CIVIL\REM01.120544.00072.SHT	PLOT SCALE = 48"	DRAWN -	REVISED -		METRA STATION PEDESTRIAN ACCESS IMPROVEMENTS		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.	CONTRACT NO. 61E89		
		DATE -	REVISED -							ILLINOIS FED. AID PROJECT		

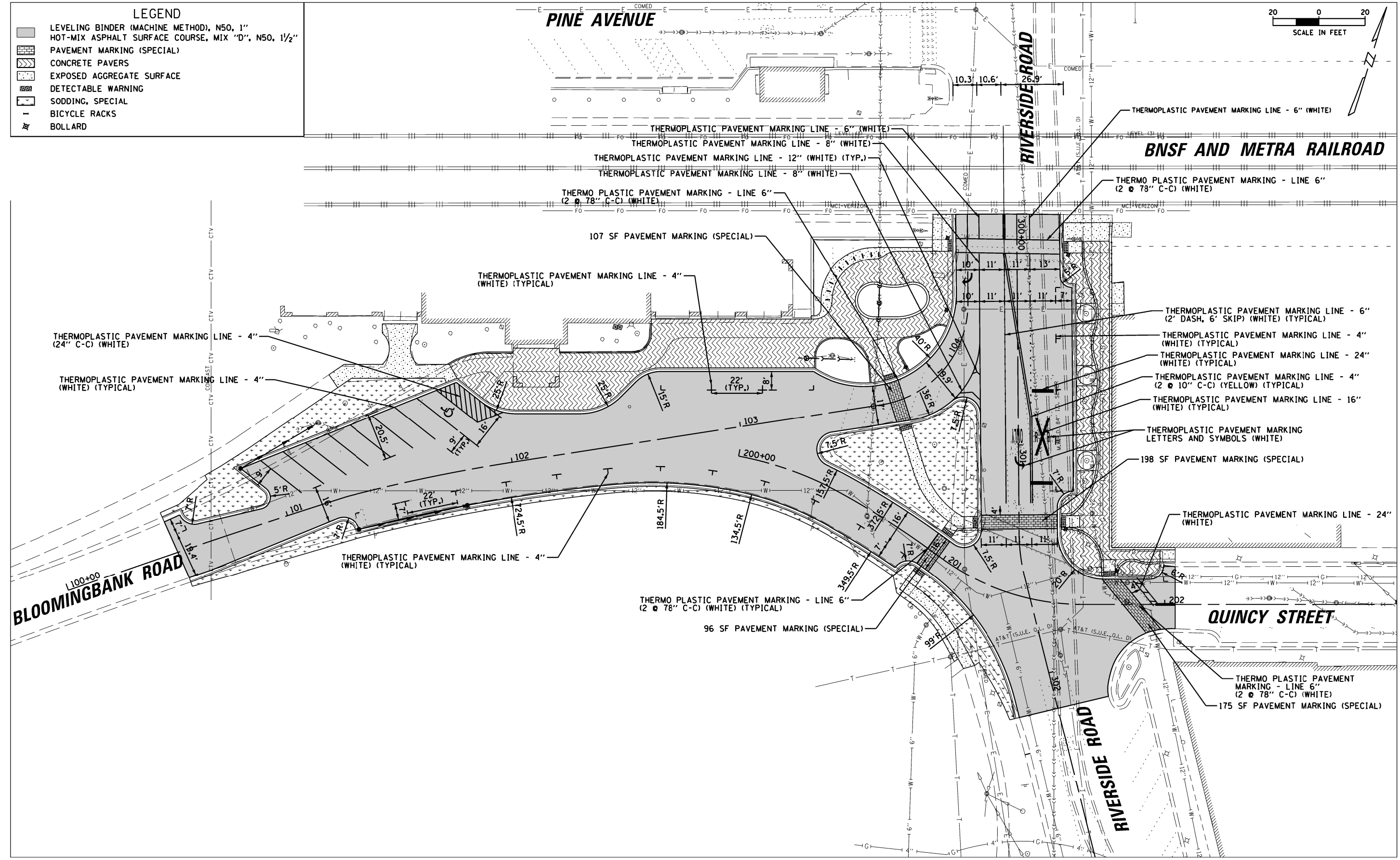
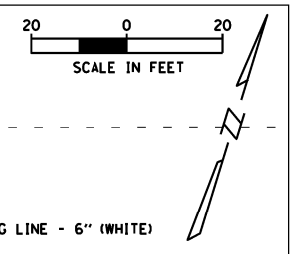
LEGEND

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



FILE NAME =	USER NAME = rindeman	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED PLAN METRA STATION PEDESTRIAN ACCESS IMPROVEMENTS		F.A.U. RTES.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
N:\RIVERSIDE\120544.00072\CIVIL\PROJ\120544.00072.SHT	PLOT SCALE = 48"	DRAWN -	REVISED -		SCALE:	SHEET 1	OF 1 SHEETS	1693	17-00084-00-MS	COOK	29	8
Default	PLOT DATE = 9/21/2018	CHECKED -	REVISED -		STA.	TO STA.		3569				
		DATE -	REVISED -					ILLINOIS FED. AID PROJECT		CONTRACT NO. 61E89		

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



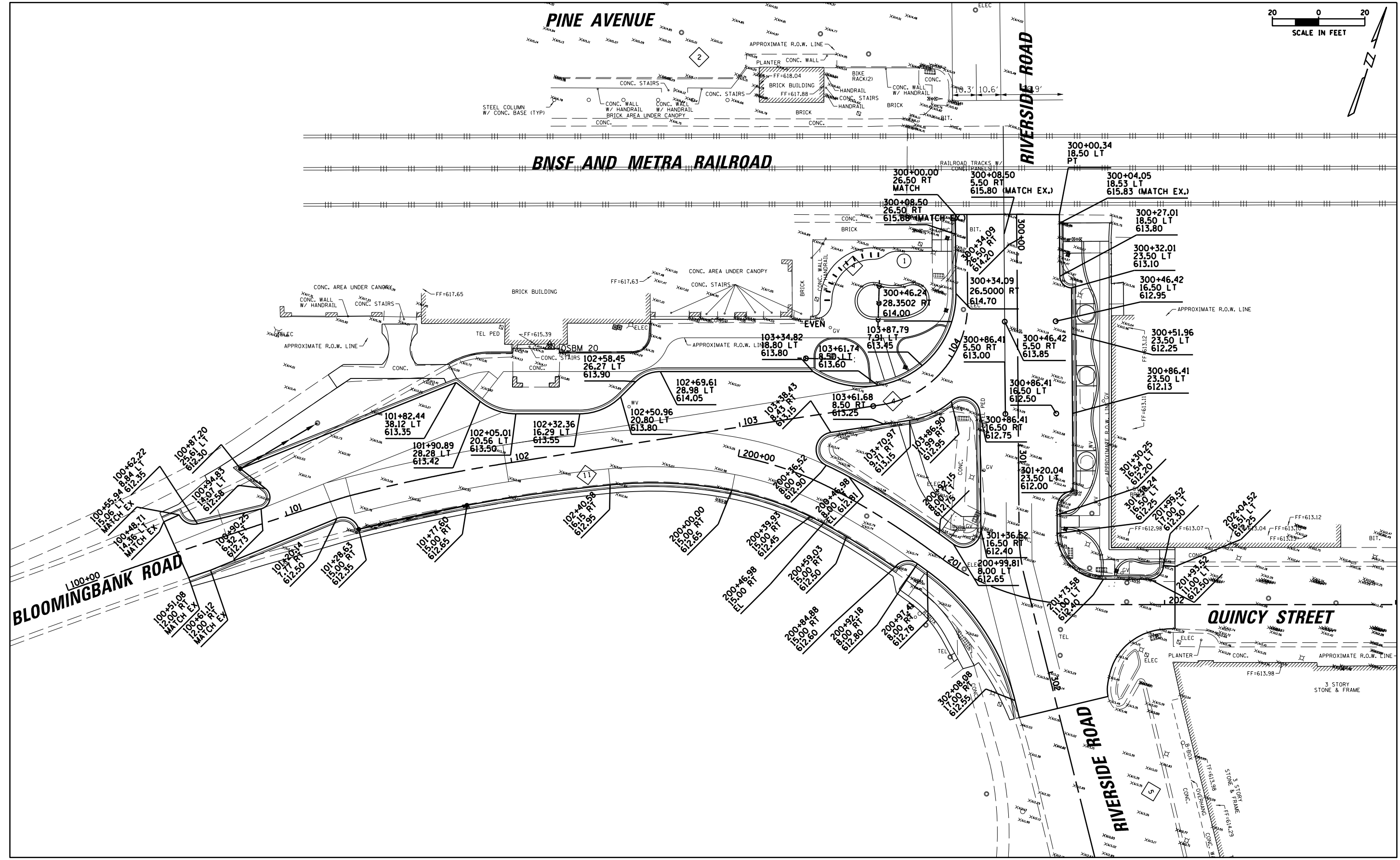
FILE NAME =	USER NAME = rindemon	DESIGNED -	REVISED -
N:\RIVERSIDE\120544.00072\CIVIL\THERM.120544.00072.SHT		DRAWN -	REVISED -
Default	PLOT SCALE = 48'	CHECKED -	REVISED -
	PLOT DATE = 9/21/2018	DATE -	REVISED -

**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.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1893 3569	17-00084-00-MS	COOK	29	9
CONTRACT NO. 61E89				
ILLINOIS FED. AID PROJECT				



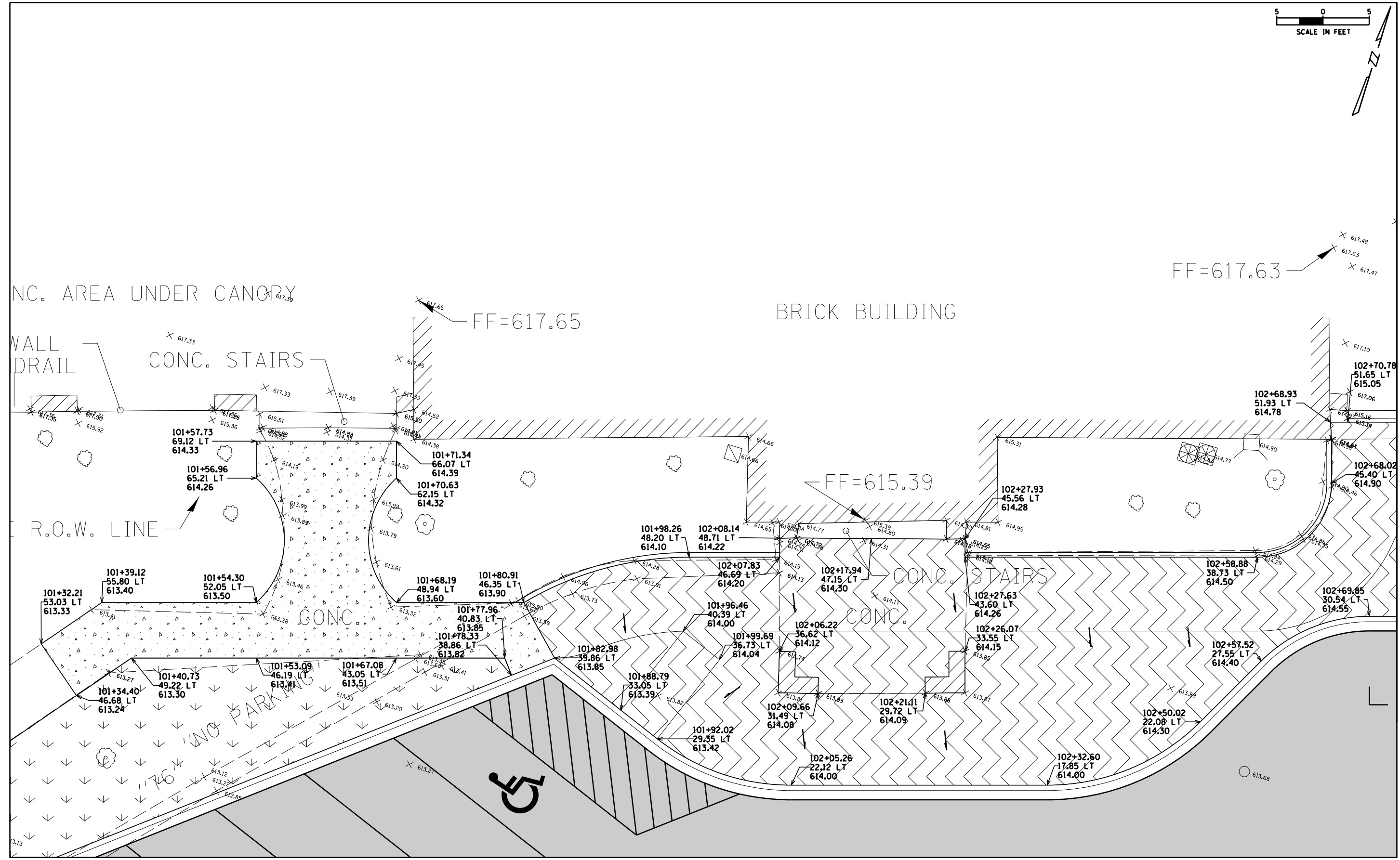
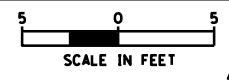
FILE NAME =	USER NAME = dschroeder	DESIGNED -	REVISED -
N:\RIVERSIDE\120544.00072\CIVIL\GradeROA	001.120544.00072.SHT	DRAWN -	REVISED -
Default	PLOT SCALE = 48"	CHECKED -	REVISED -
	PLOT DATE = 5/10/2018	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

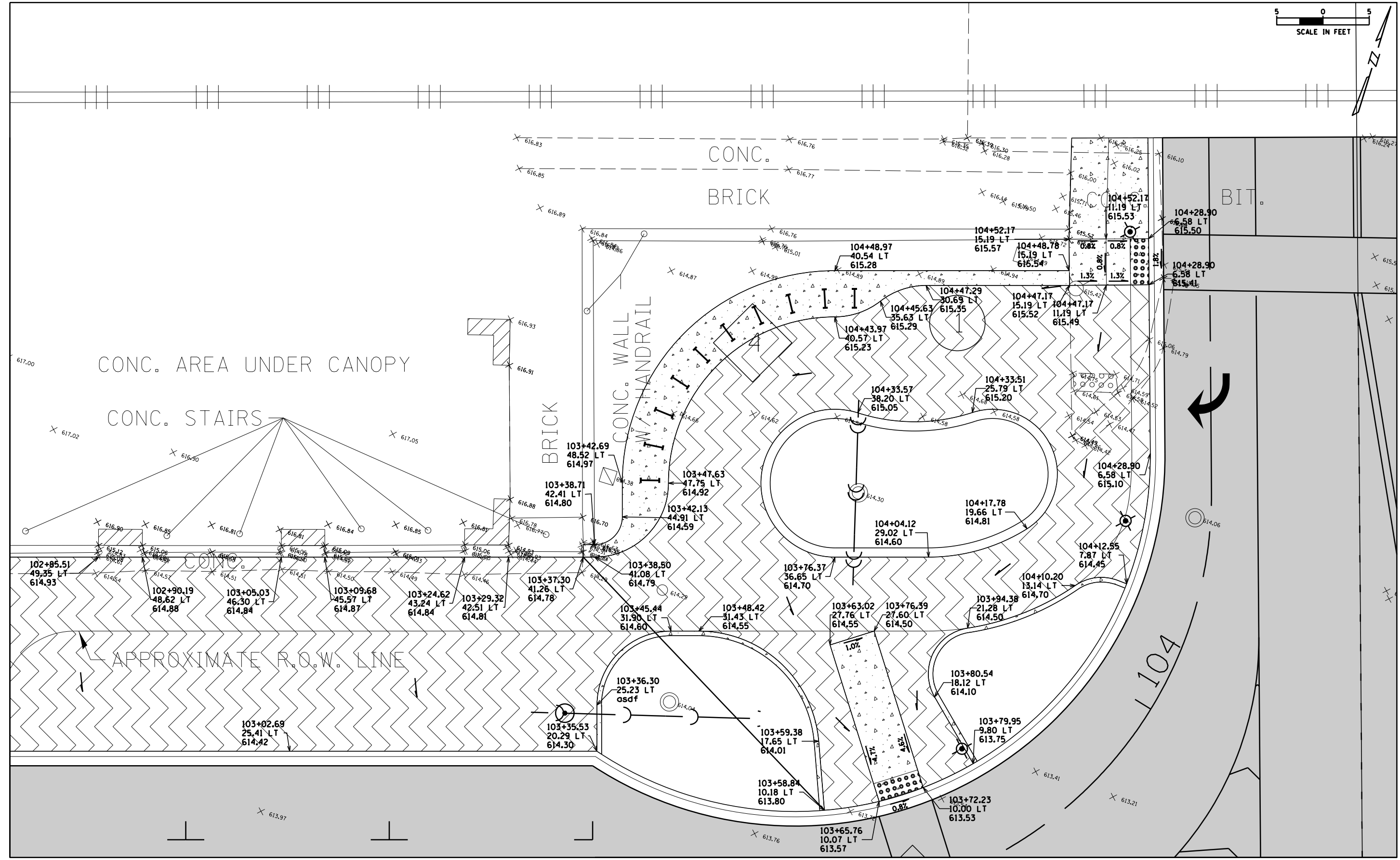
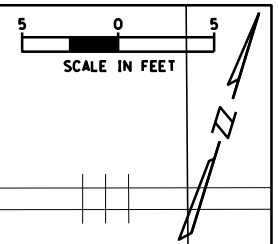
**ROADWAY GRADING AND DIMENSIONS
METRA STATION PEDESTRIAN ACCESS IMPROVEMENTS**

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.



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



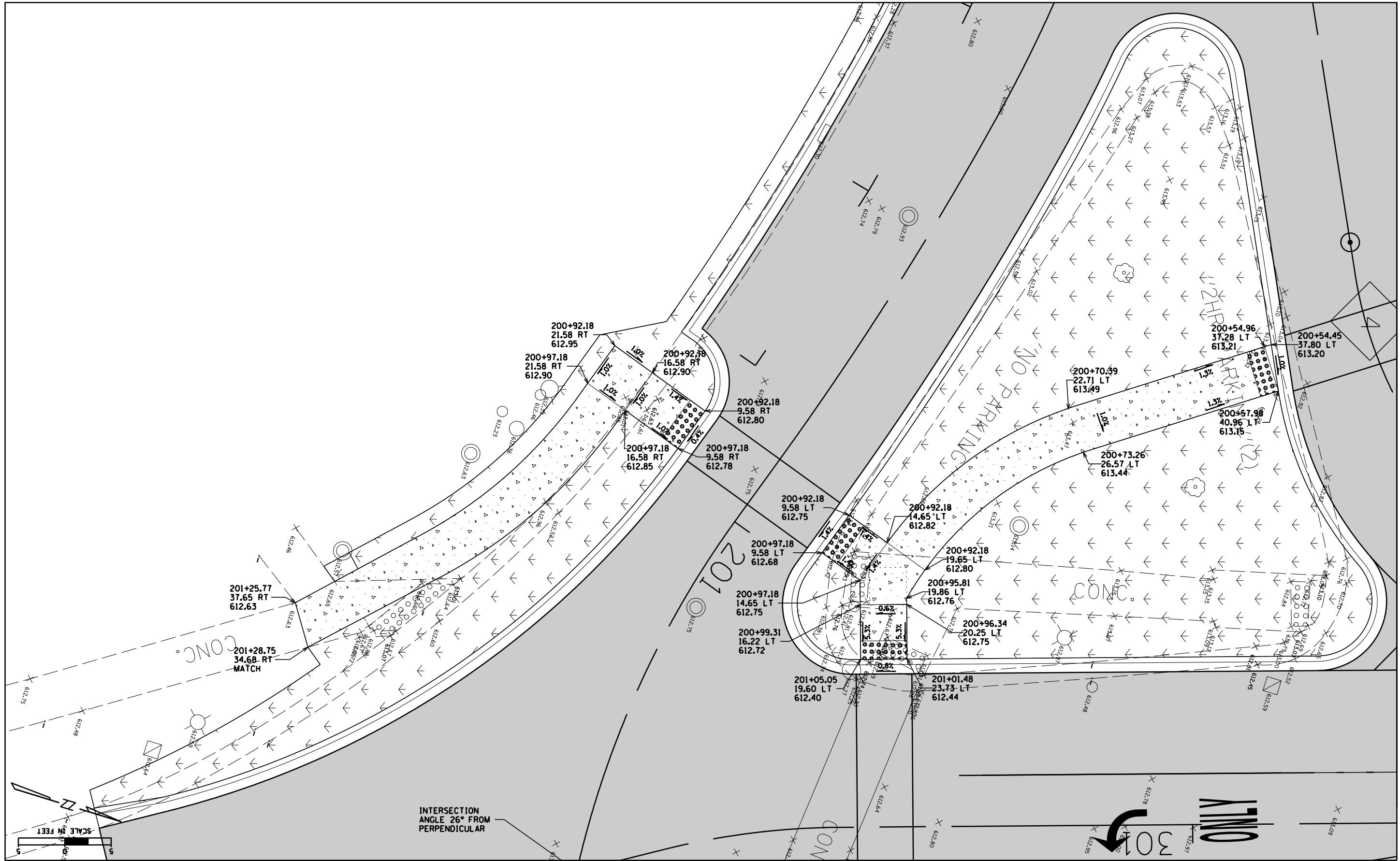
FILE NAME =	USER NAME = dschroeder	DESIGNED -	REVISED -
N:\RIVERSIDE\120544.00072\CIVIL\GradePKW\02.120544.00072.SHT		DRAWN -	REVISED -
Default	PLOT SCALE = 10'	CHECKED -	REVISED -
	PLOT DATE = 5/10/2018	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PARKWAY AND ADA GRADING
METRA STATION PEDESTRIAN ACCESS IMPROVEMENTS**

SCALE: SHEET 2 OF 4 SHEETS STA. TO STA.

F.A.U. RTES. 1693 3569	SECTION 17-00084-00-M5	COUNTY COOK	TOTAL SHEETS 29	SHEET NO. 12
CONTRACT NO. 61E89			ILLINOIS FED. AID PROJECT	



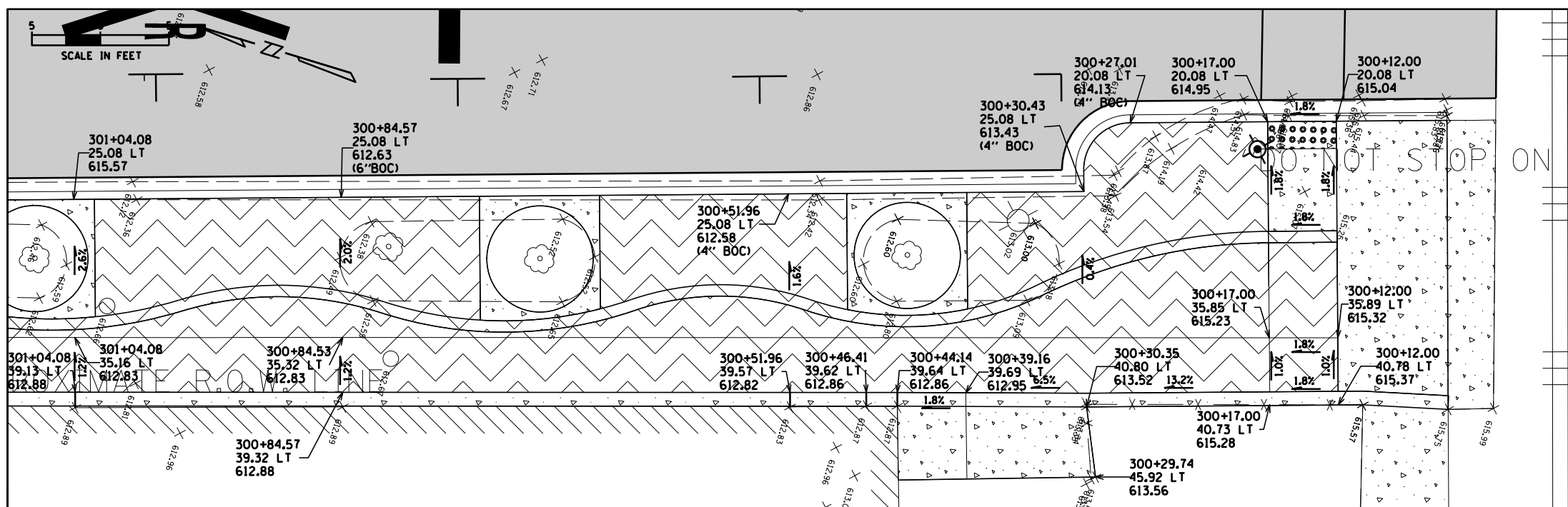
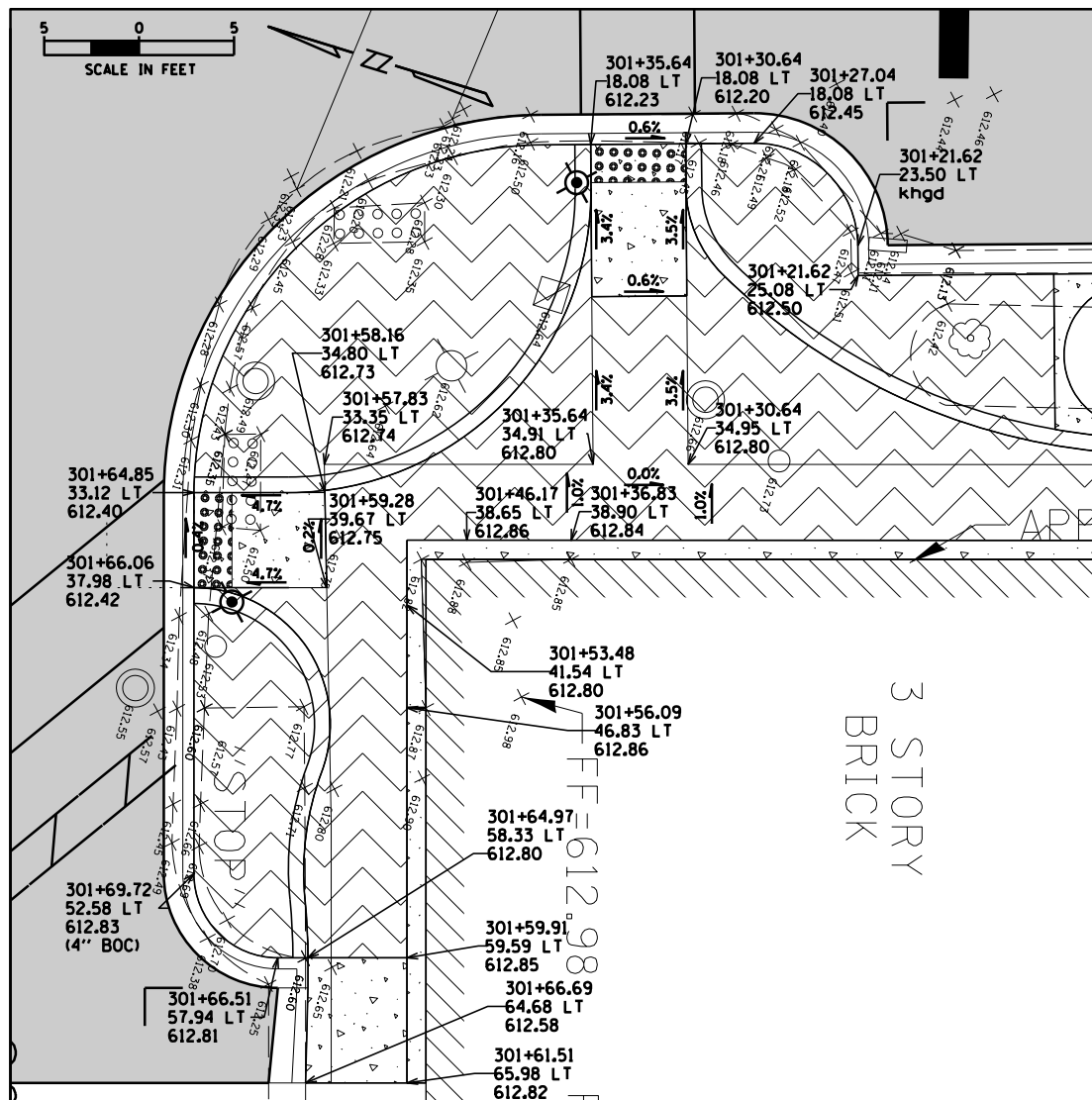
FILE NAME =	USER NAME = dschroeder	DESIGNED -	REVISED -
N:\RIVERSIDE\120544.00072\CIVIL\GradePKW\03.120544.00072.SHT		DRAWN -	REVISED -
Default		CHECKED -	REVISED -
	PLOT DATE = 5/10/2018	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PARKWAY AND ADA GRADING
METRA STATION PEDESTRIAN ACCESS IMPROVEMENTS**

SCALE: SHEET 3 OF 4 SHEETS STA. TO STA.

F.A.U. RTES. 1693 3569	SECTION 17-00084-00-M5	COUNTY COOK	TOTAL SHEETS 29	SHEET NO. 13
CONTRACT NO. 61E89				
ILLINOIS FED. AID PROJECT				



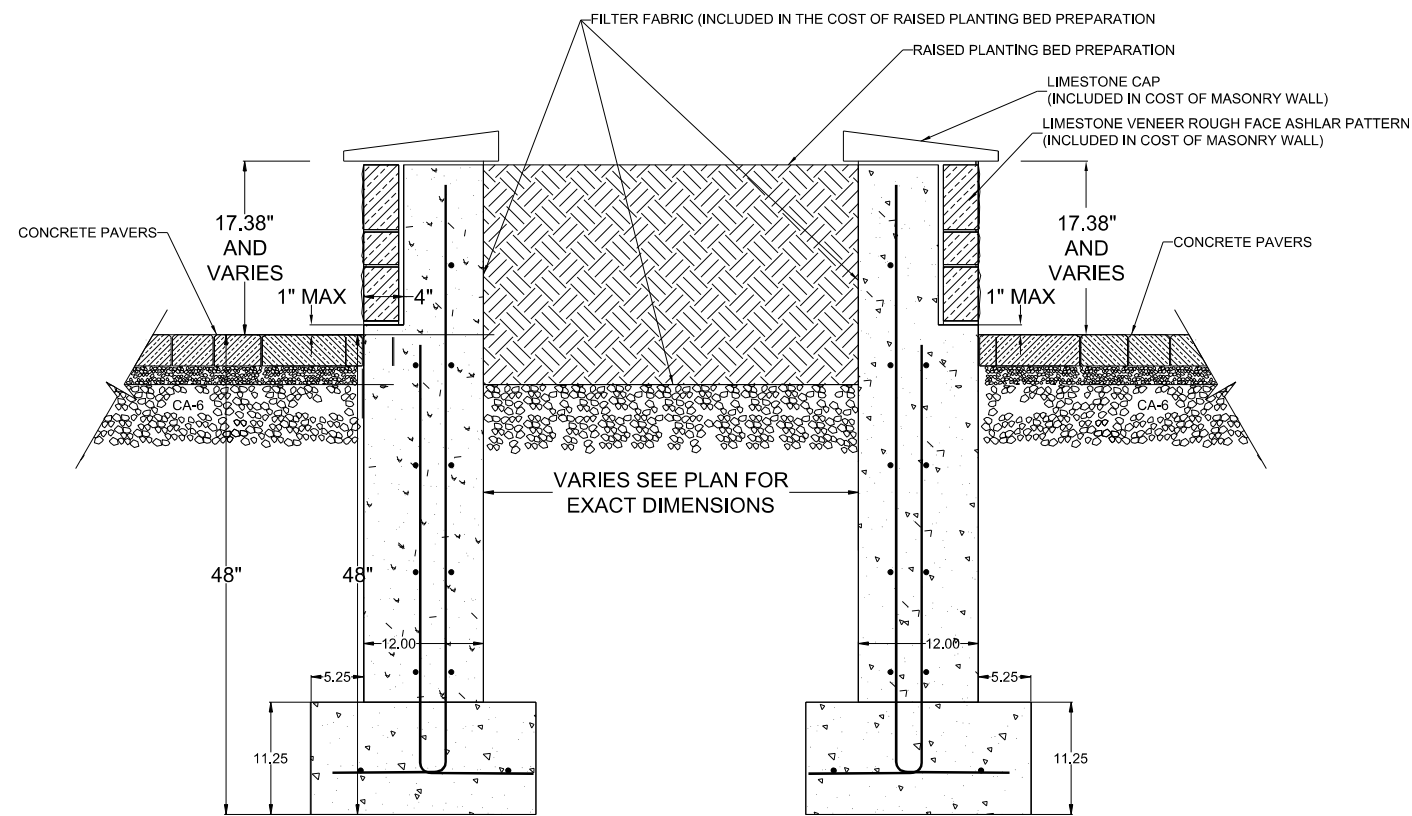
FILE NAME =	USER NAME = dschroeder	DESIGNED -	REVISED -
N:\RIVERSIDE\120544.00072\CIVIL\GradePKW\04.120544.00072.SHT		DRAWN -	REVISED -
Default	PLOT SCALE = 10'	CHECKED -	REVISED -
	PLOT DATE = 5/10/2018	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PARKWAY AND ADA GRADING
METRA STATION PEDESTRIAN ACCESS IMPROVEMENTS

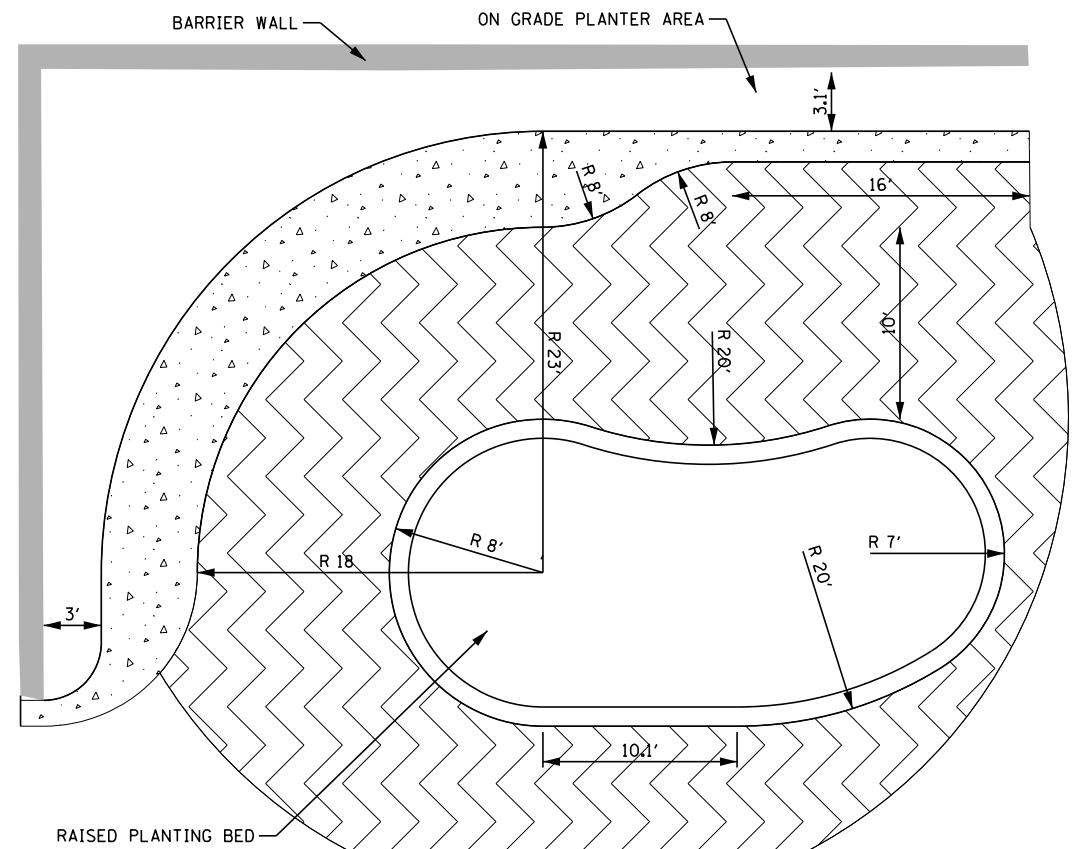
SCALE: SHEET 4 OF 4 SHEETS STA. TO STA.

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



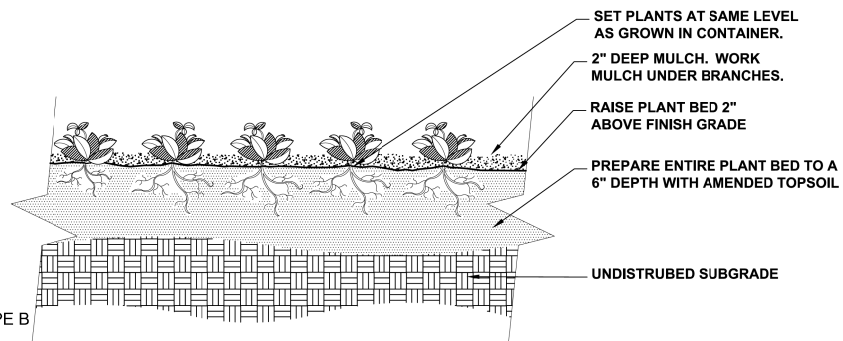
LIMESTONE MASONRY WALL DETAIL

N.T.S.



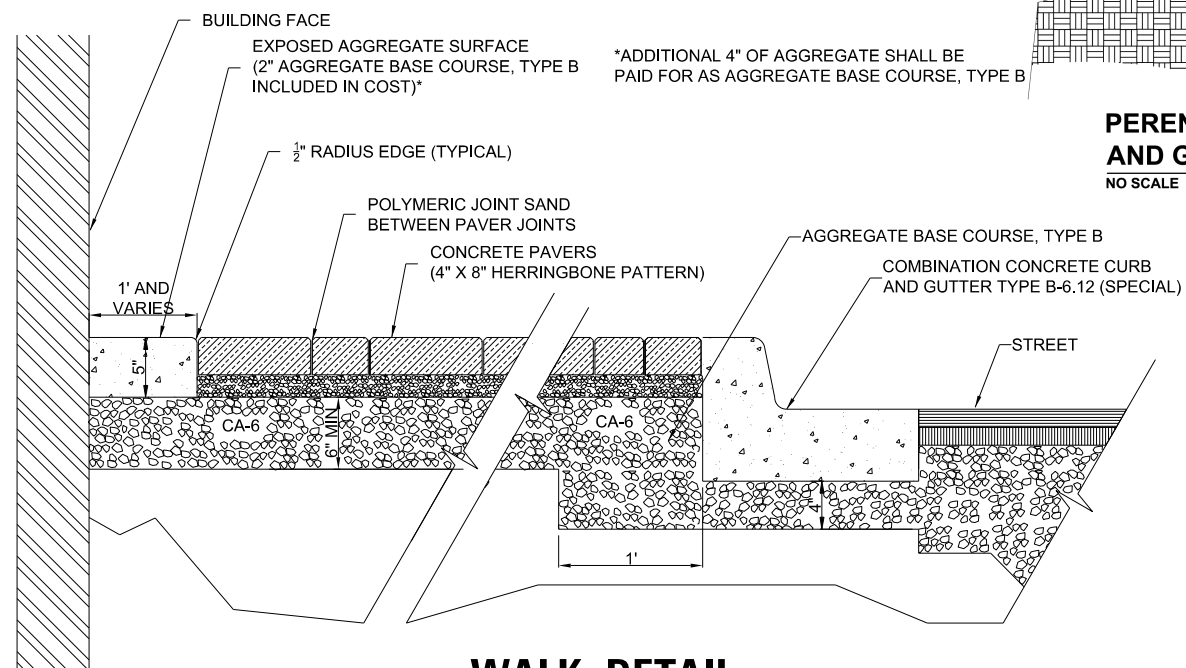
RAISED PLANTING BED DIMENSIONS

N.T.S.



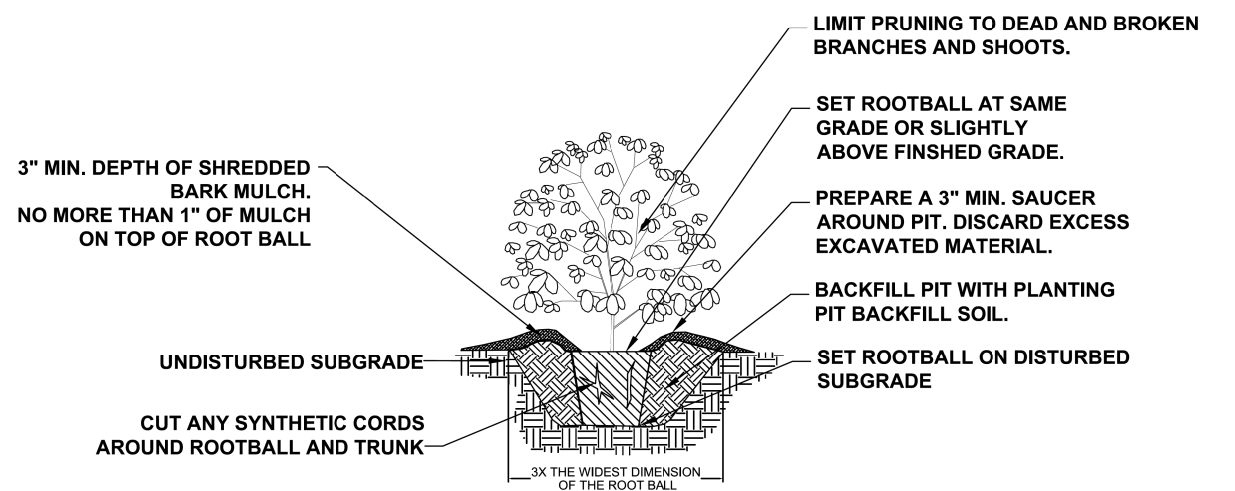
PERENNIAL AND GROUNDCOVER DETAIL

NO SCALE



WALK DETAIL

N.T.S.



SHRUB PLANTING DETAIL

NO SCALE

FILE NAME =	USER NAME = dschroeder	DESIGNED -	REVISED -
N:\RIVERSIDE\120544.00072\CIVIL\LSDET-120544.00072.sht		DRAWN -	REVISED -
Default	PLOT SCALE = 48"	CHECKED -	REVISED -
	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

- 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.
- THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR JOB SITE SAFETY AS WELL AS SUPERVISION/DIRECTION AND MEANS/METHODS OF CONSTRUCTION.
- ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE FOLLOWING SPECIFICATIONS, WHICH ARE HEREBY MADE A PART HEREOF:
 - "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", AS PREPARED BY IDOT.
 - "THE NATIONAL ELECTRICAL CODE".
 - MUNICIPAL CODES & STANDARDS.
- NO MATERIALS SHALL BE DELIVERED TO THE JOB SITE UNTIL ALL PERTINENT EQUIPMENT SUBMITTALS HAVE BEEN REVIEWED BY THE ENGINEER.
- 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.
- 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.
- 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.
- ALL POLE HANDHOLES SHALL FACE AWAY FROM TRAFFIC OR AWAY FROM ROAD.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE ESTABLISHMENT OF THE TOP OF FOUNDATION ELEVATION WITH THE FINISHED GRADE.
- EQUIPMENT GROUND CONDUCTORS SHALL BE SPLICED AND BONDED AT EACH LIGHT POLE OR OTHER PIECE OF EQUIPMENT.
- 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.
- 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.
- 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.
- 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



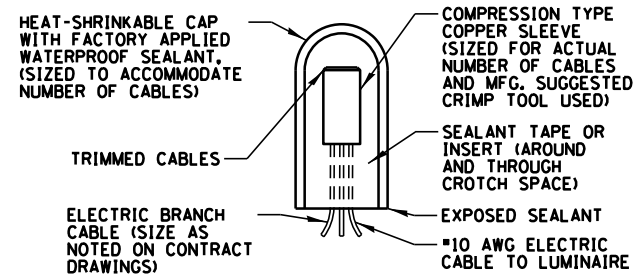
FILE NAME =	USER NAME = dschroeder	DESIGNED -	AJD	REVISED -	
N:\RIVERSIDE\120544.00072\Mech\LG1.120544.00072.01.SHT	4.00072.01.SHT	DRAWN -	RJJ	REVISED -	
Default	PLOT SCALE = 48"	CHECKED -	AJD	REVISED -	
	PLOT DATE = 5/10/2018	DATE -	FEB 21, 2018	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

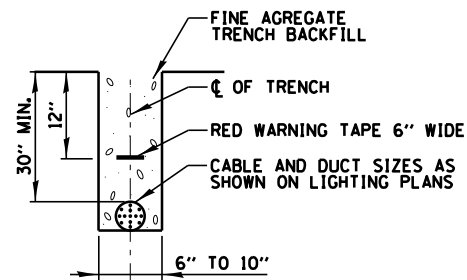
RIVERSIDE ROAD / RIVERSIDE METRA STATION IMPROVEMENT
PROPOSED ELECTRICAL PLAN

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				

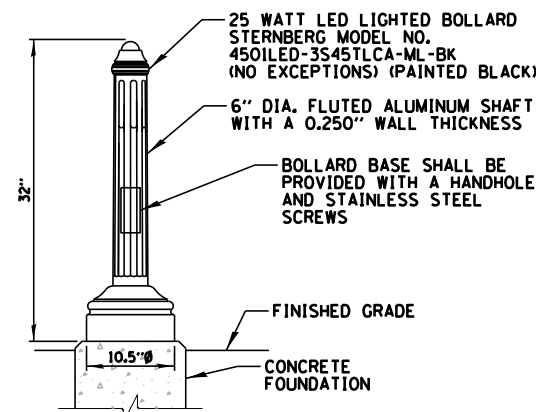


SPLICING ELECTRIC CABLE
N.T.S.



TRENCH CROSS SECTION

ELECTRIC CONDUIT INSTALLATION
N.T.S.

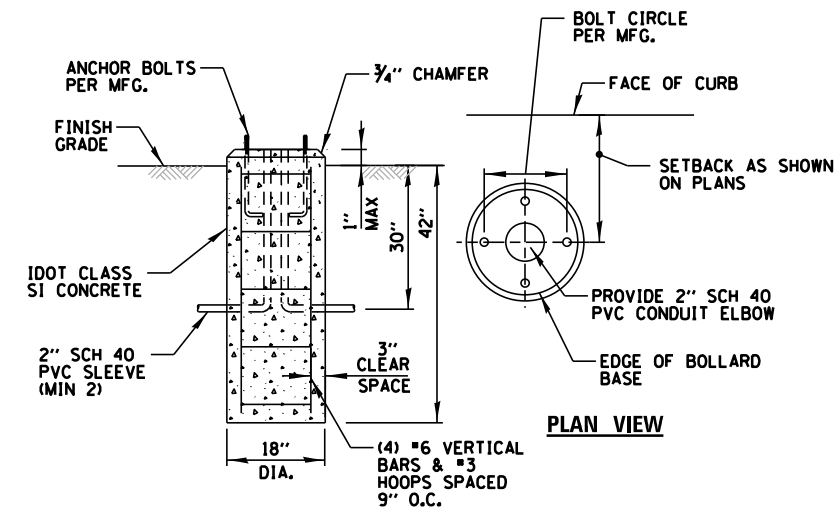


LANDSCAPE BOLLARD

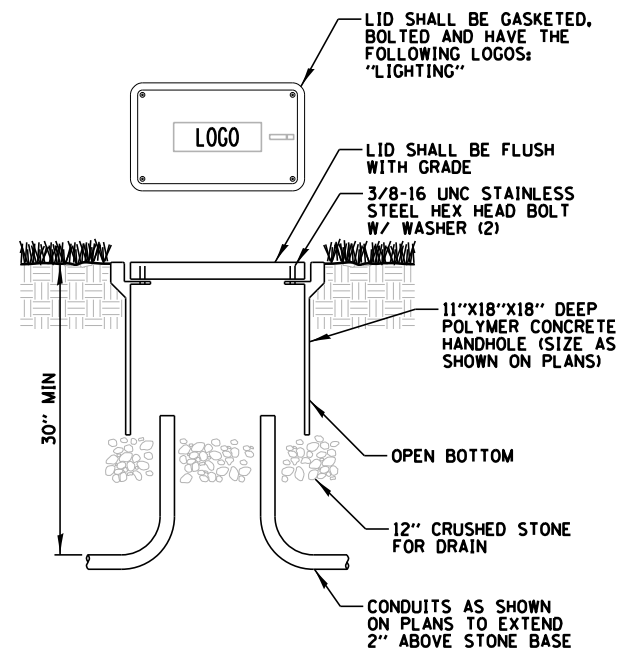
NOTES:

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.



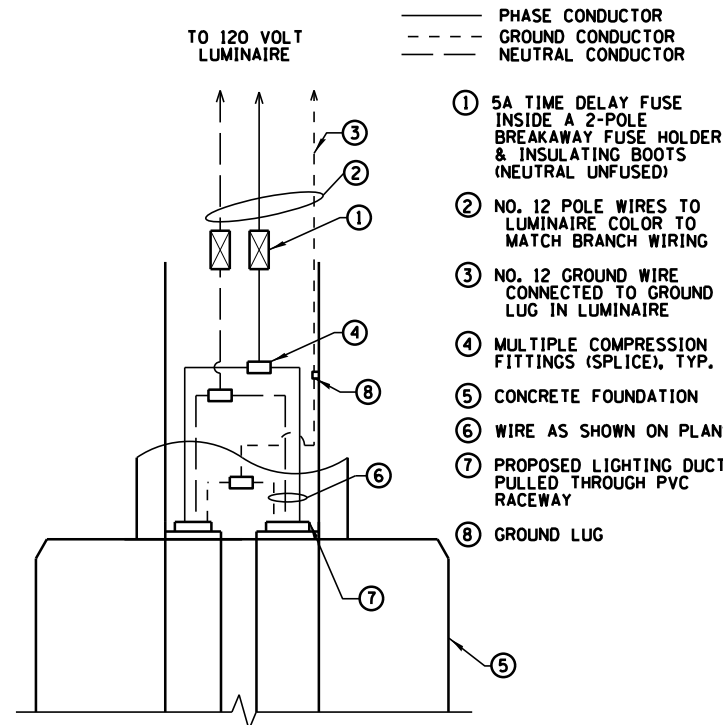
BOLLARD CONCRETE FOUNDATION DETAIL



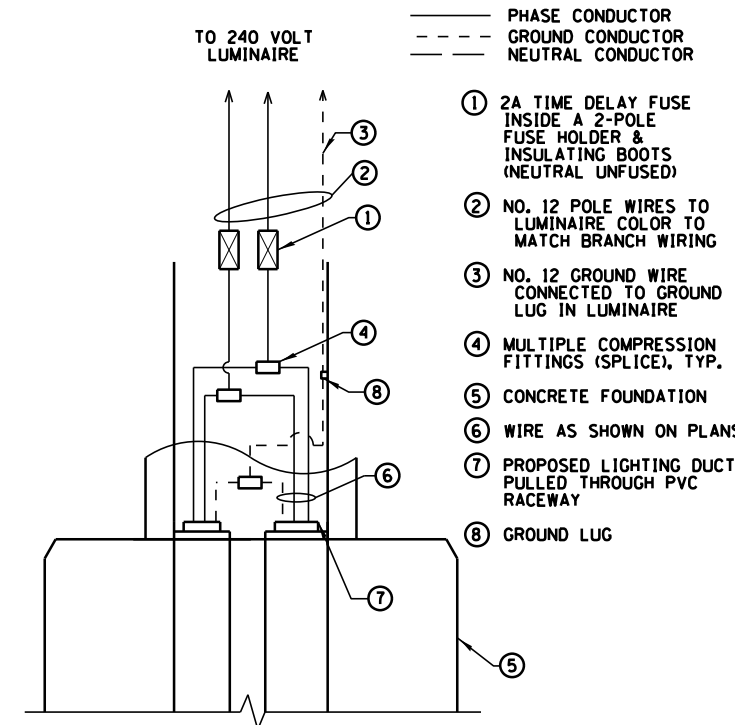
NOTES:

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.

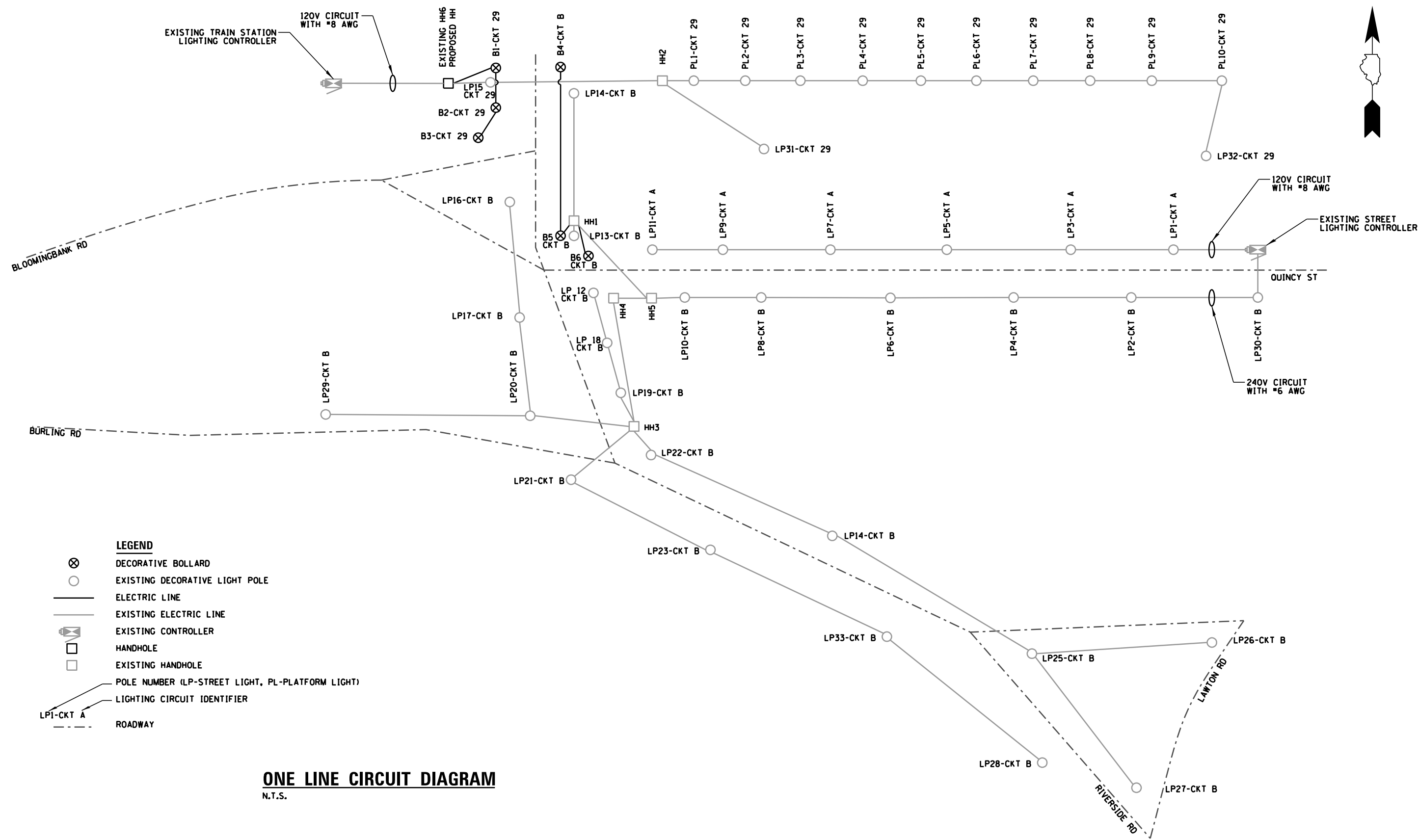
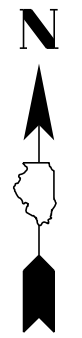


120V BOLLARD HANDHOLE WIRING DIAGRAM
N.T.S.



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

FILE NAME =	USER NAME = dschroeder	DESIGNED -	AJD	REVISED -		STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	RIVERSIDE ROAD /RIVERSIDE METRA STATION IMPROVEMENT ELECTRICAL DETAILS (1 OF 2)	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
N:\RIVERSIDE\120544.00072\Mech\LD1.12054	4.00072.01.SHT	DRAWN -	RJJ	REVISED -				1693	17-00084-00-M5	COOK	29	18	
Default	PLOT SCALE = 2"	CHECKED -	AJD	REVISED -				3569					CONTRACT NO. 61E89
	PLOT DATE = 5/10/2018	DATE -	FEB 21, 2018	REVISED -									ILLINOIS FED. AID PROJECT

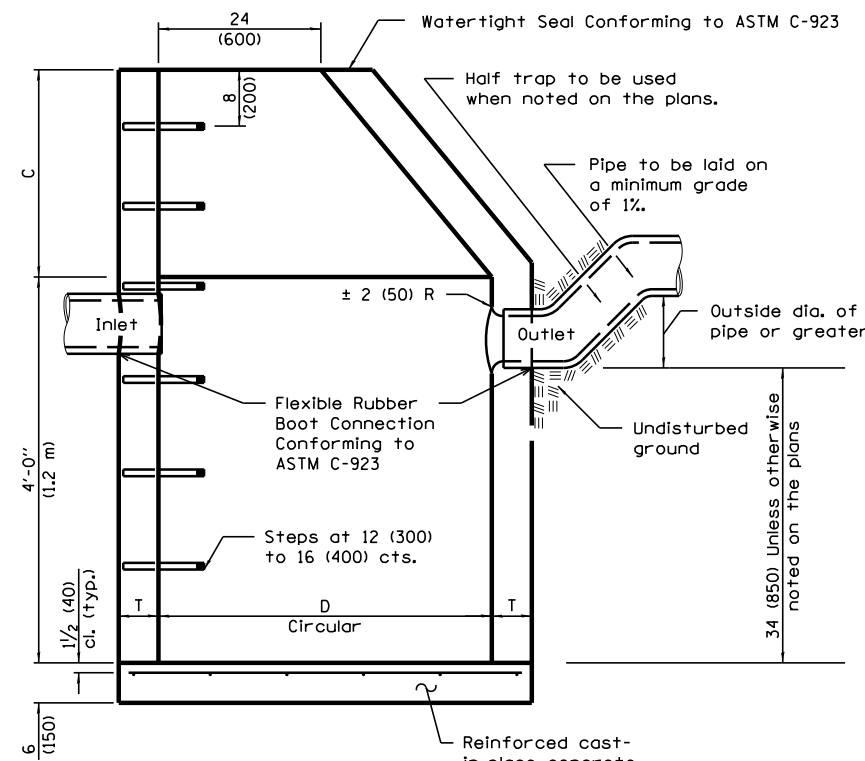


LEGEND

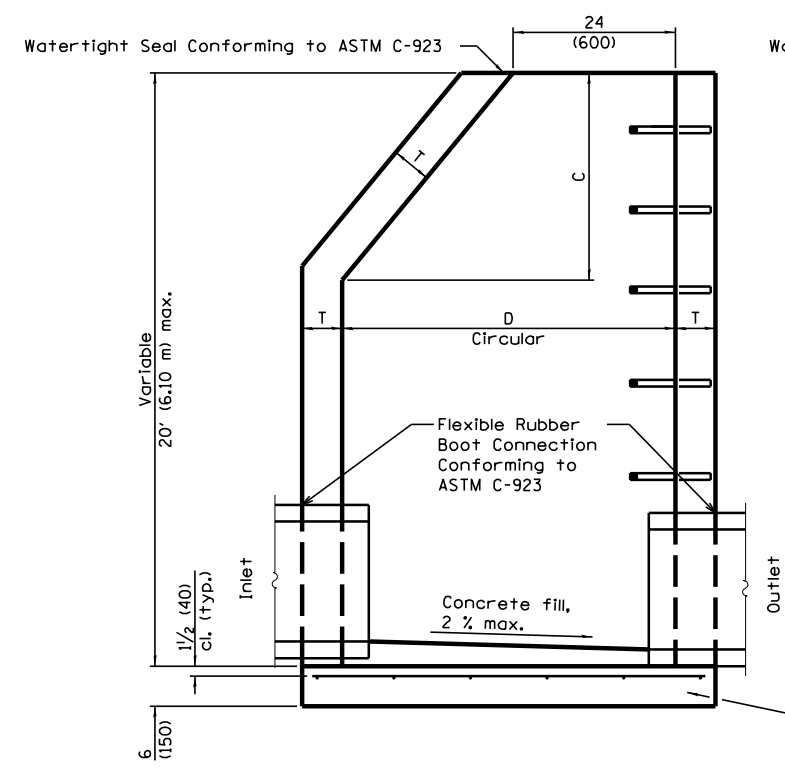
- ⊗ DECORATIVE BOLLARD
- EXISTING DECORATIVE LIGHT POLE
- ELECTRIC LINE
- EXISTING ELECTRIC LINE
- ⊞ EXISTING CONTROLLER
- HANDHOLE
- EXISTING HANDHOLE
- POLE NUMBER (LP-STREET LIGHT, PL-PLATFORM LIGHT)
- LIGHTING CIRCUIT IDENTIFIER
- ROADWAY

ONE LINE CIRCUIT DIAGRAM
N.T.S.

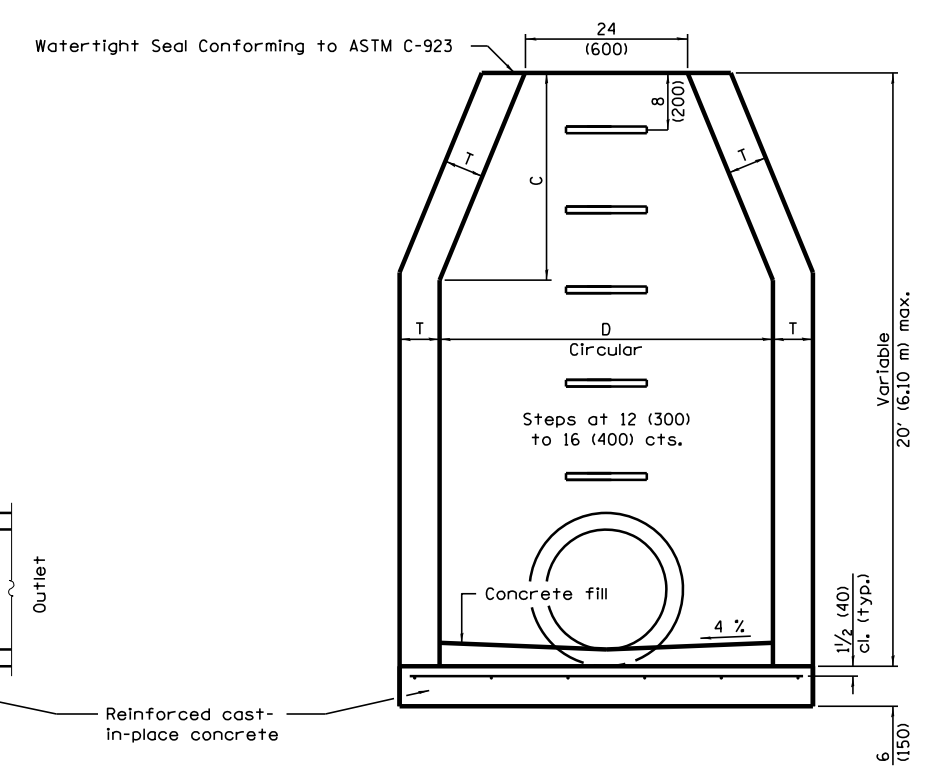
FILE NAME = N:\RIVERSIDE\120544.00072\Mech\LDT_120544.00072_02.SHT	USER NAME = dschroeder	DESIGNED - AJD	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	RIVERSIDE ROAD /RIVERSIDE METRA STATION IMPROVEMENT ELECTRICAL DETAILS (2 OF 2)				F.A.U. RTE. 1693 3569	SECTION 17-00084-00-M5	COUNTY COOK	TOTAL SHEETS 29	SHEET NO. 19
Default	PLOT SCALE = 2"	CHECKED - AJD	REVISED -		SCALE: 1" = 1'	SHEET	OF	SHEETS	STA.	TO	STA.	CONTRACT NO. 61E89	
	PLOT DATE = 5/10/2018	DATE - FEB 21, 2018	REVISED -		ILLINOIS FED. AID PROJECT								



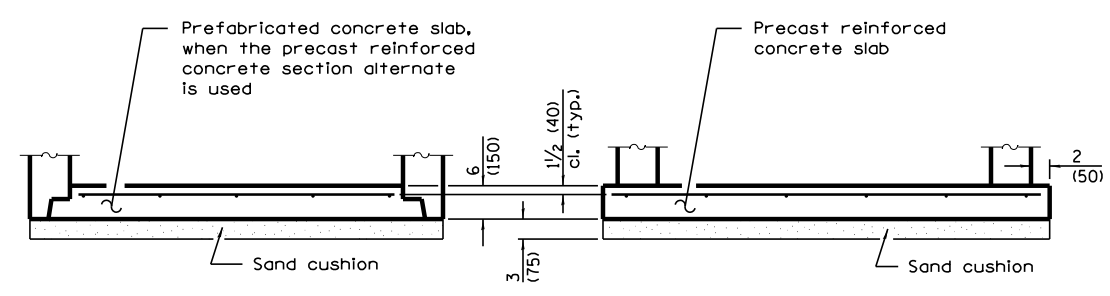
ELEVATION
(Standard Outlet)



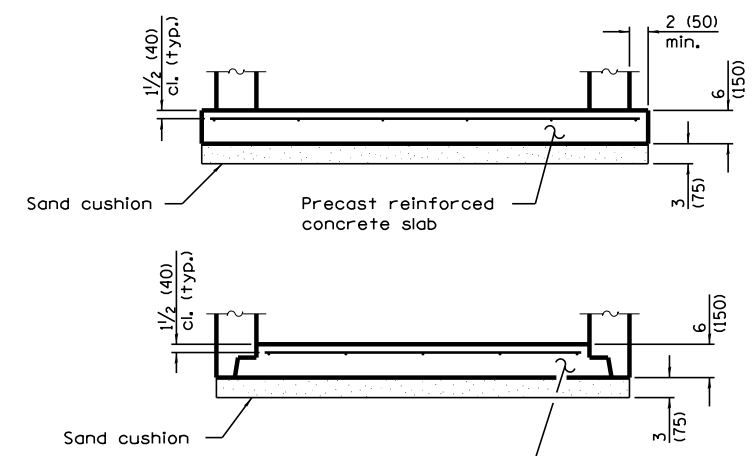
ELEVATION - ECCENTRIC



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.

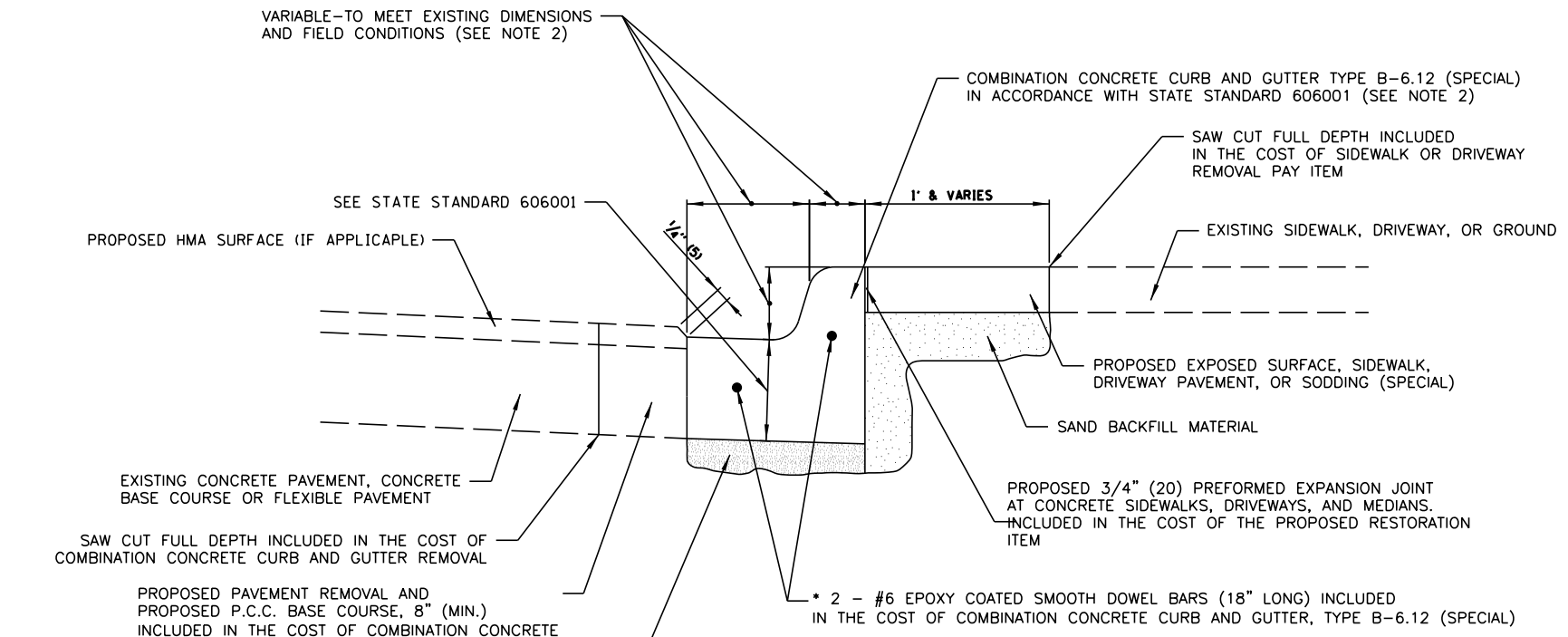
See Standard 602701 for details of steps.

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.

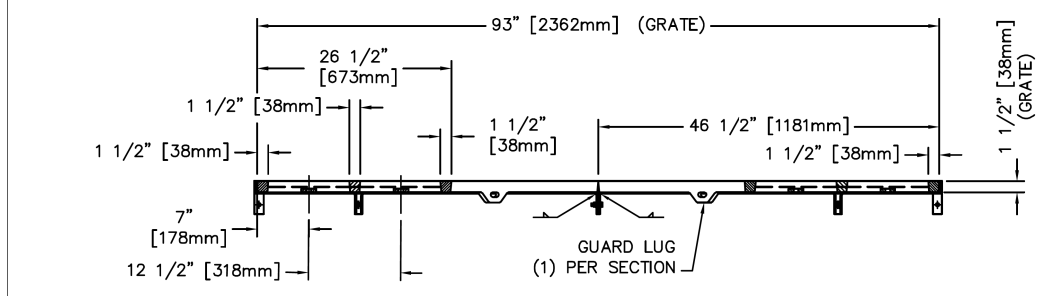
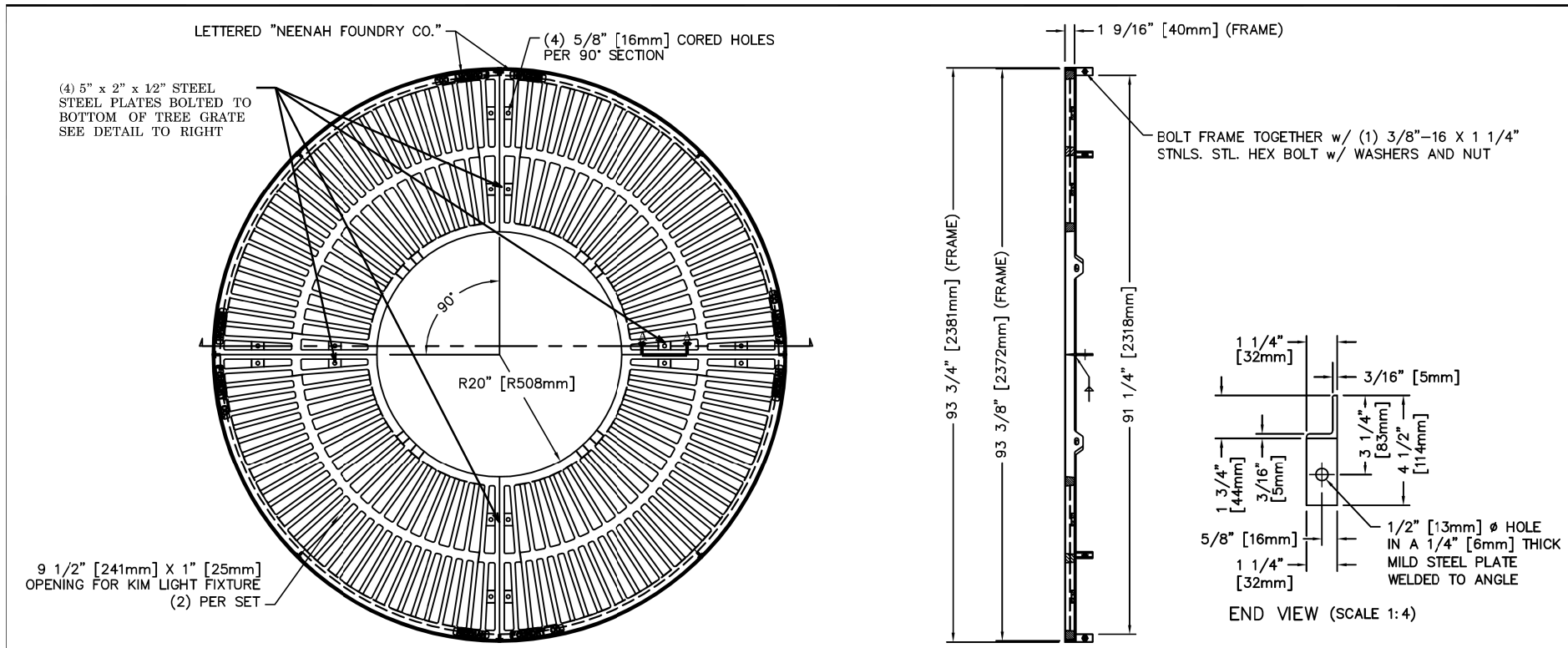
REMOVAL AND REPLACEMENT 4" (100) OR LESS IS INCLUDED IN COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (SPECIAL)

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

- 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. SAW CUT FULL DEPTH 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.

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

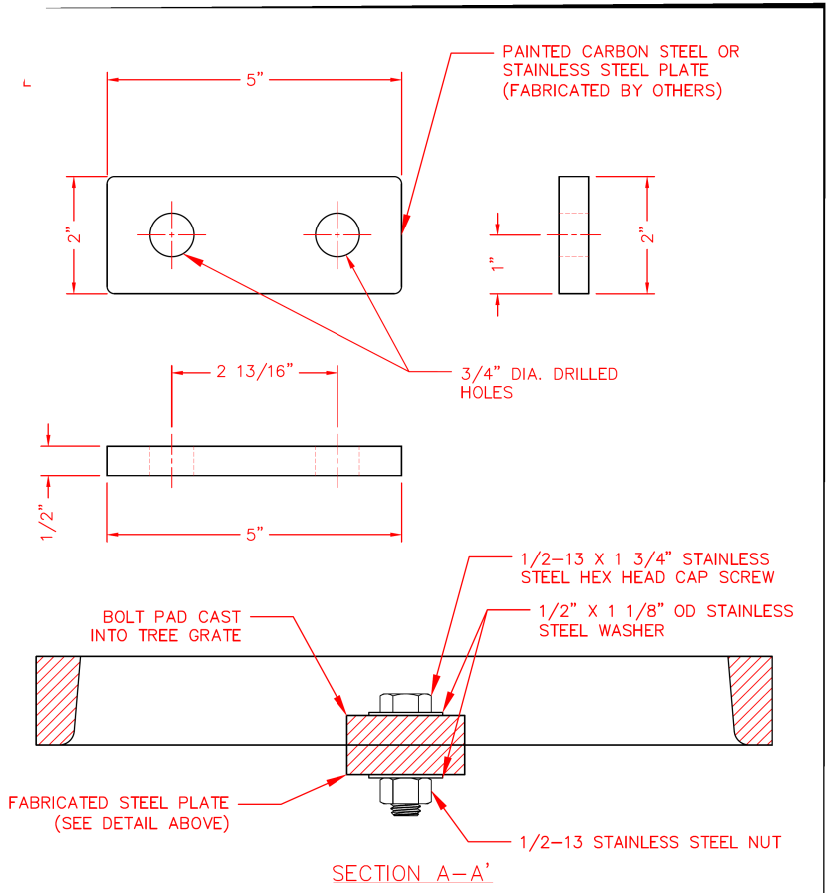
FILE NAME =	USER NAME = dschroeder	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CONSTRUCTION DETAILS			F.A.U. RTES.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N:\RIVERSIDE\120544.00072\CIVIL\DET.12054400083.02.SHT		DRAWN -	REVISED -		METRA STATION PEDESTRIAN ACCESS IMPROVEMENTS			1693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

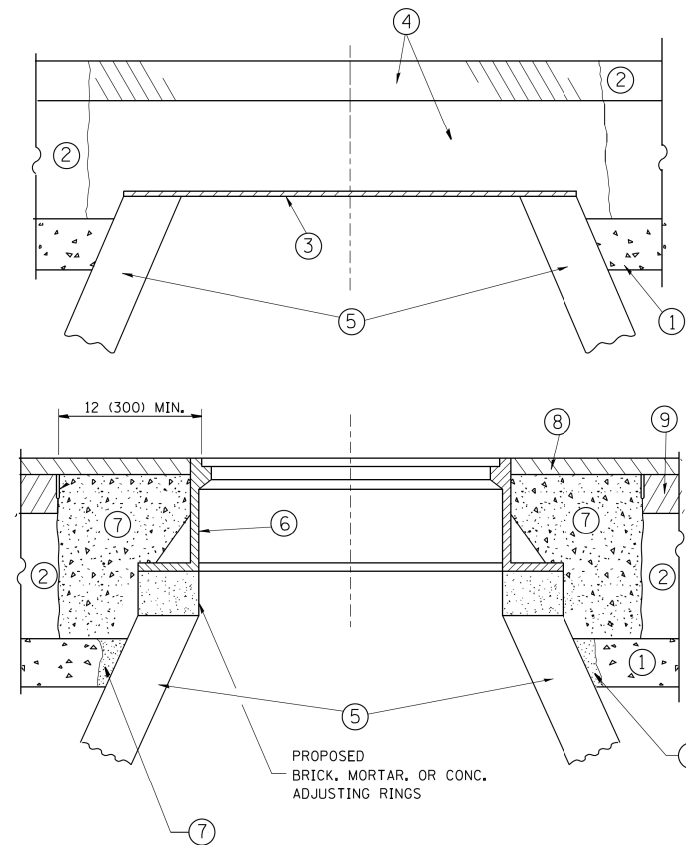
CAD DWG. REF: 8860T01.DWG- 1



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 1/2 (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

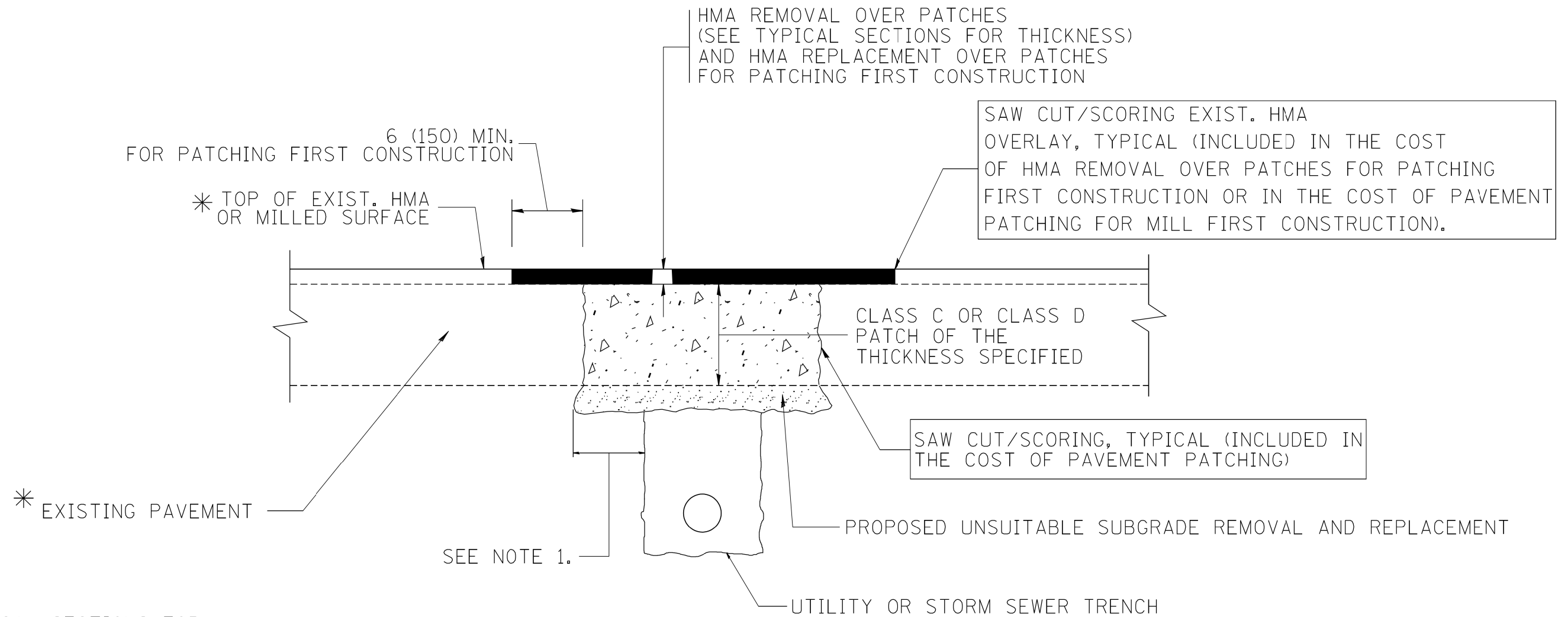
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

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
		CHECKED -	REVISED - R. BORO 03-09-11
		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.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1693 3569	17-00084-00-MS	COOK	29	23
BD600-03 (BD-8)			CONTRACT NO. 61E89	
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)

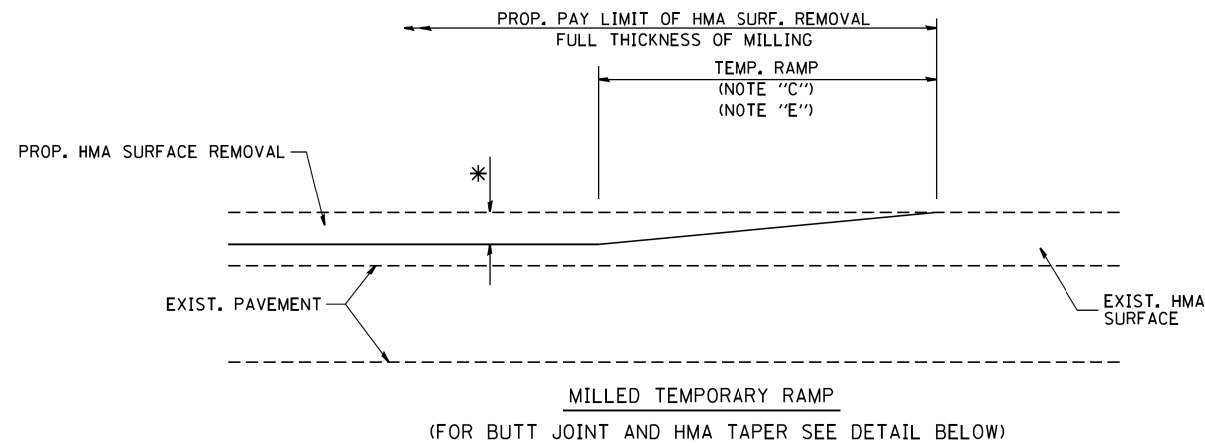
1. REMOVE THE EXISTING HMA MATERIAL OVER THE AREA TO BE PATCHED.
2. REMOVE AND REPLACE WITH CLASS C OR D PATCH.
3. REPLACE HMA MATERIAL OVER THE AREA TO BE PATCHED.

SEQUENCE OF CONSTRUCTION (MILLING FIRST)

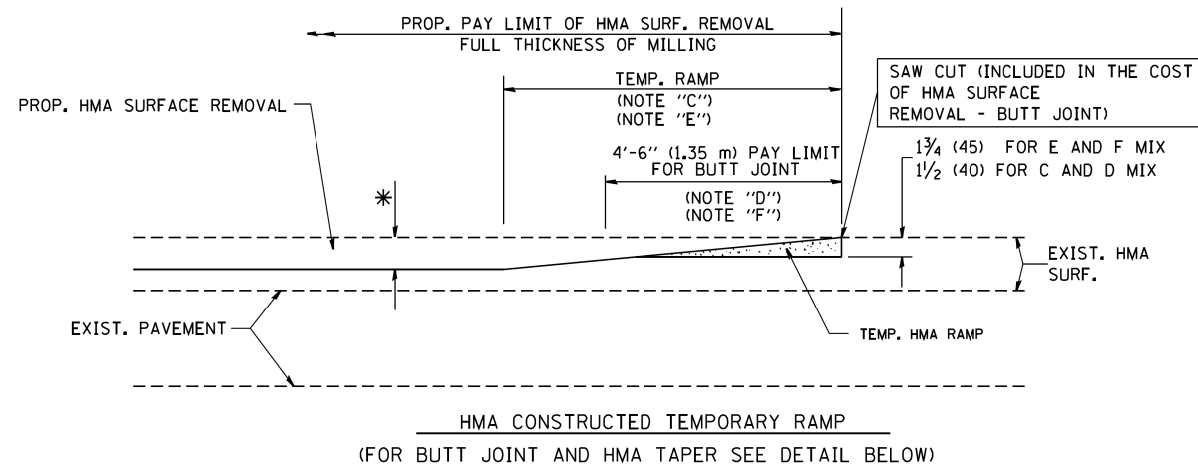
1. MILL HMA FIRST IF THERE IS AT LEAST 4 1/2 INCHES OR MORE OF HMA MATERIAL ON TOP OF THE EXISTING PAVEMENT OR IF THE PAVEMENT IS FULL DEPTH HMA. A MINIMUM OF 2 INCHES OF HMA MATERIAL SHALL BE IN PLACE AFTER MILLING.
2. REMOVE AND REPLACE WITH FULL DEPTH CLASS D PATCHES TO TOP OF MILLED SURFACE.

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	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT			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.	BD400-04 (BD-22)		CONTRACT NO. 61E89	
	PLOT DATE = 10/27/2008	DATE - 10-25-94	REVISED - K. ENG 10-27-08		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT							

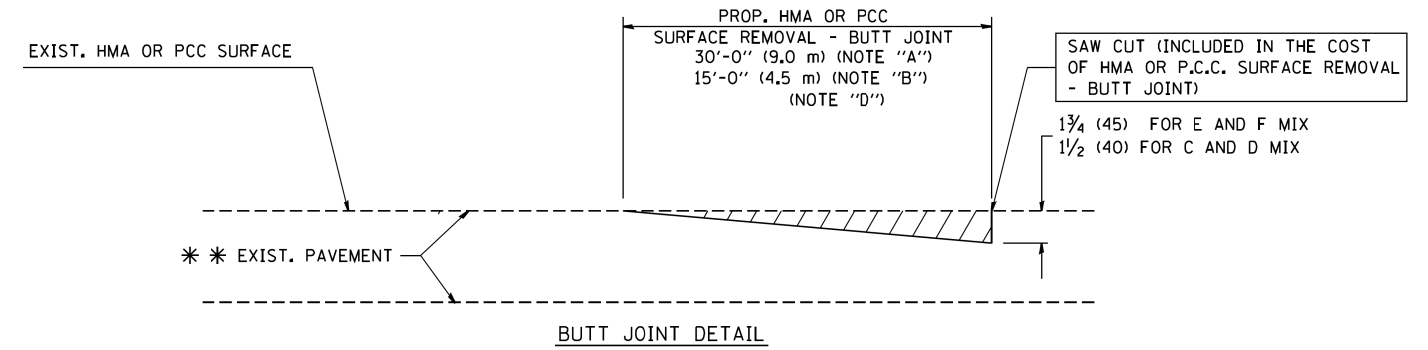


OPTION 1

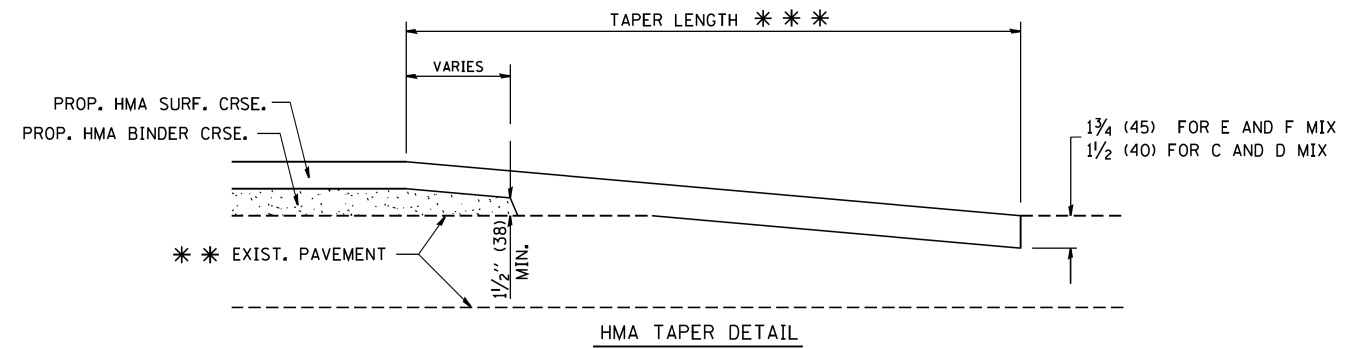


OPTION 2

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.

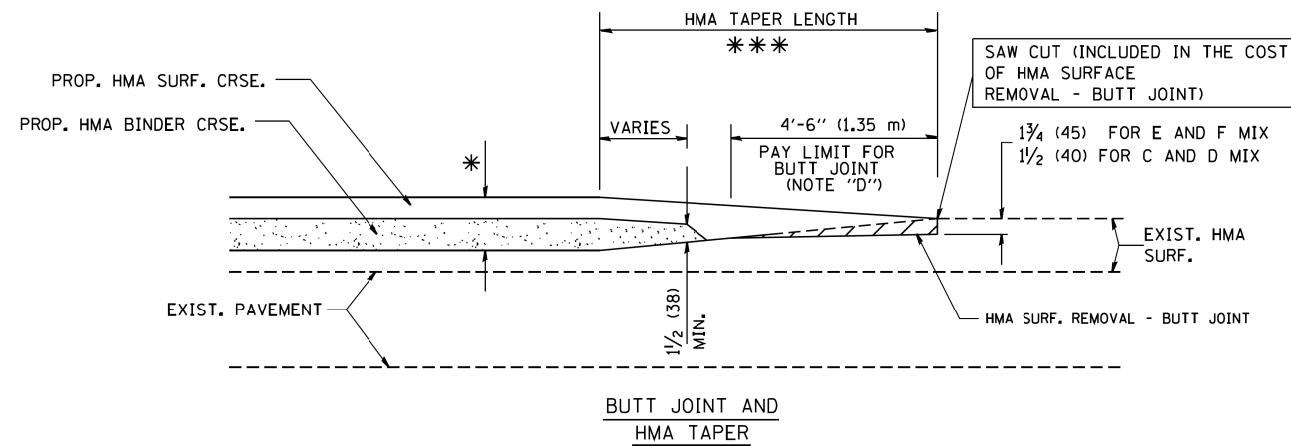
NOTES

- 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.



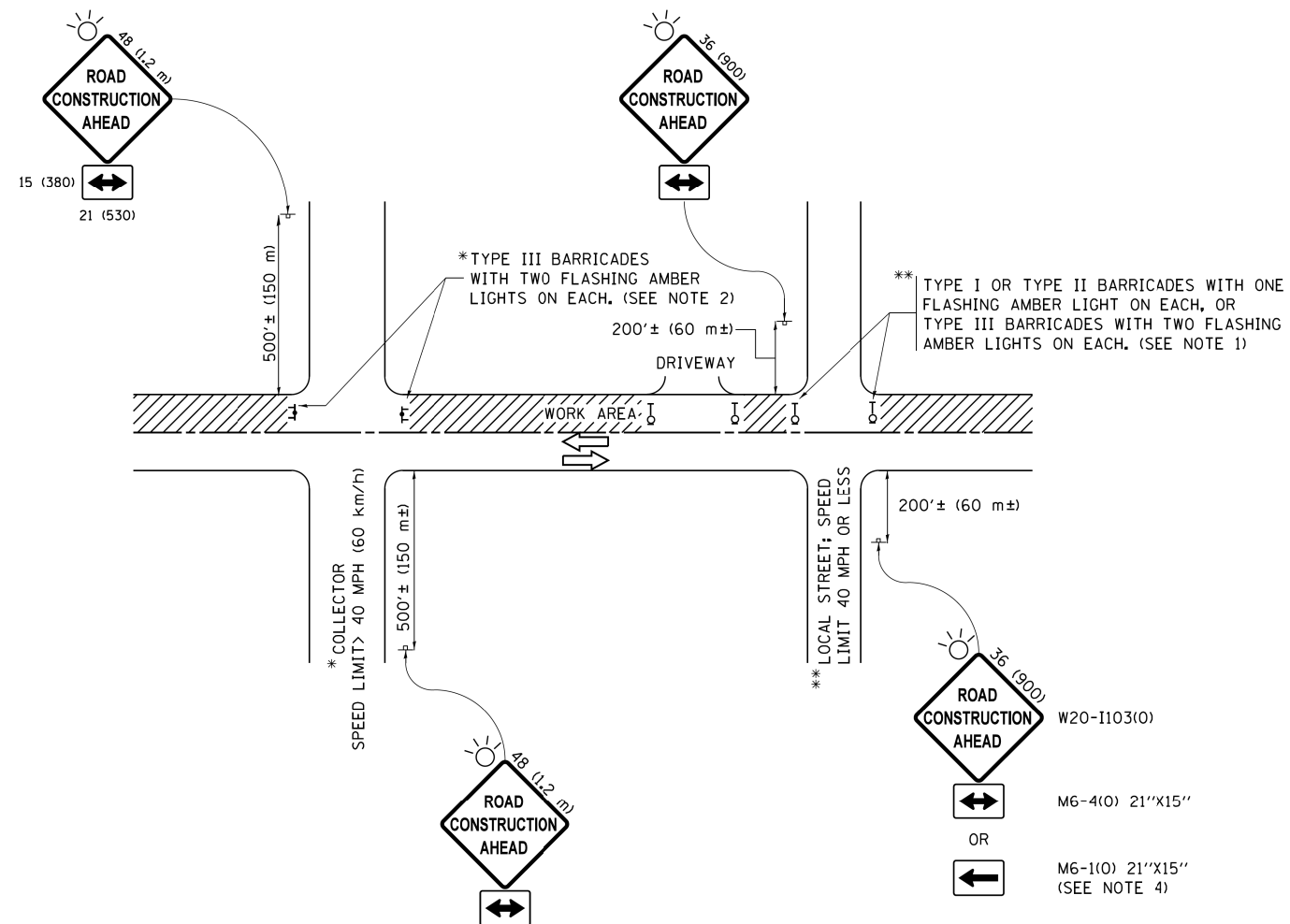
TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING

FILE NAME = W:\diststd\22x34\bd32.dgn	USER NAME = gegl1enobt	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.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.

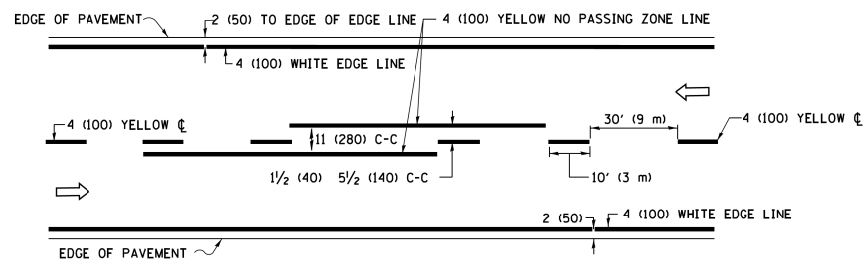
FILE NAME =	USER NAME = footemj	DESIGNED - L.H.A.	REVISED - A. HOUSEH 10-15-96
pwt\IL084EBID\INTEG\Illinois.gov\PIWIDOT\Documents\IDOT Offices\District 1\Projects\Dist	DRAWN\CADData\CADsheets\tc10.dgn	CHECKED -	REVISED - T. RAMMACHER 01-06-00
Default	PLOT SCALE = 50.000' / in.	DATE - 06-89	REVISED - A. SCHUETZE 07-01-13
	PLOT DATE = 9/15/2016		REVISED - A. SCHUETZE 09-15-16

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

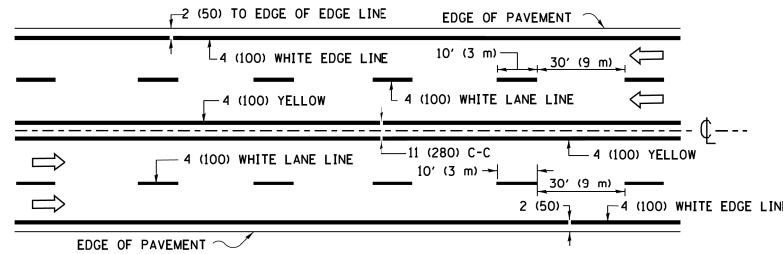
**TRAFFIC CONTROL AND PROTECTION FOR
SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS**

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

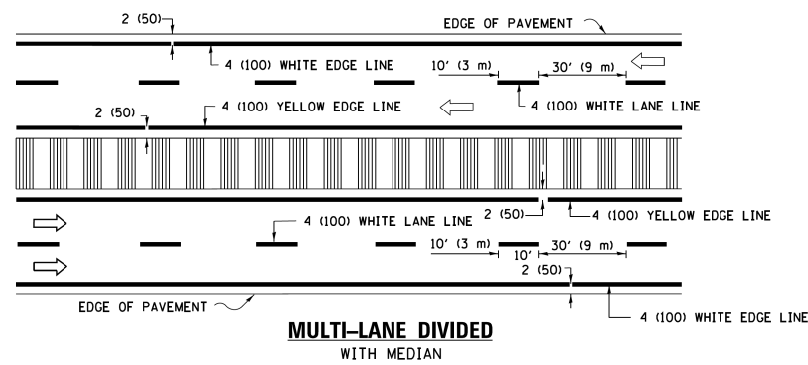
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1693 3569	17-00084-00-MS	COOK	29	26
TC-10		CONTRACT NO. 61E89		
ILLINOIS FED. AID PROJECT				



2-LANE ROADWAY

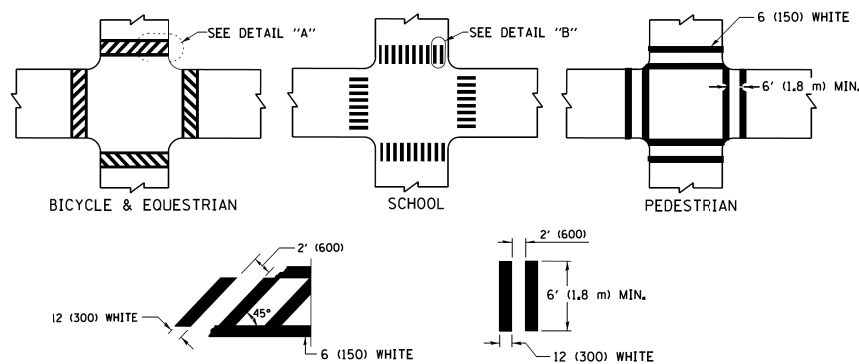


MULTI-LANE UNDIVIDED



MULTI-LANE DIVIDED WITH MEDIAN

TYPICAL LANE AND EDGE LINE MARKING

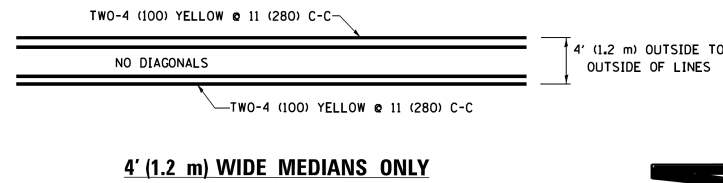


DETAIL "A"

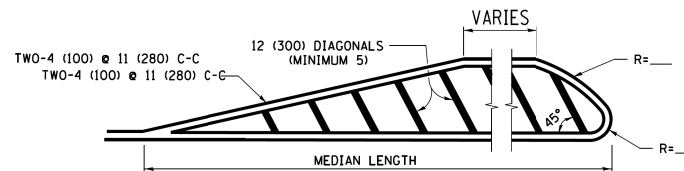
DETAIL "B"

TYPICAL CROSSWALK MARKING

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

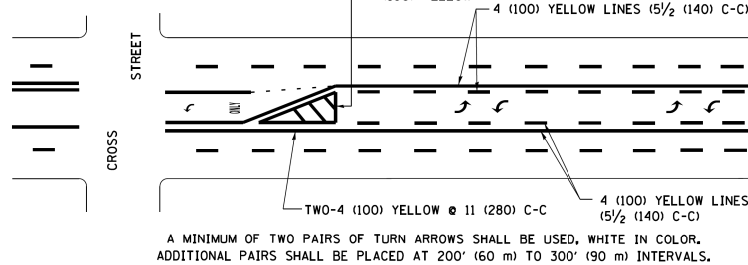


4' (1.2 m) WIDE MEDIANS ONLY

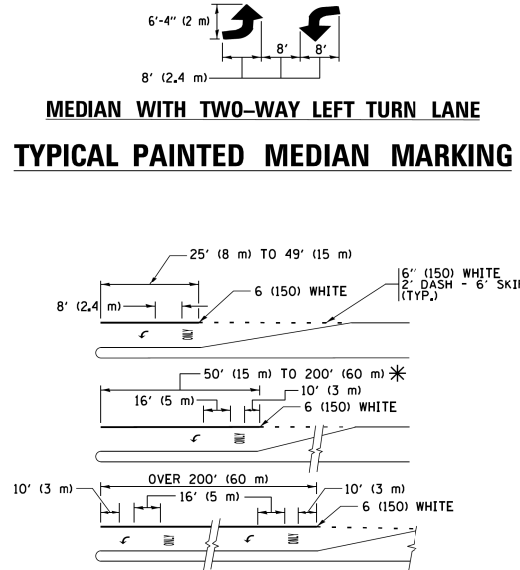


MEDIANS OVER 4' (1.2 m) WIDE

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))



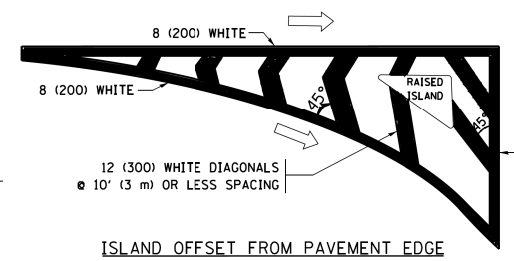
**MEDIAN WITH TWO-WAY LEFT TURN LANE
TYPICAL PAINTED MEDIAN MARKING**



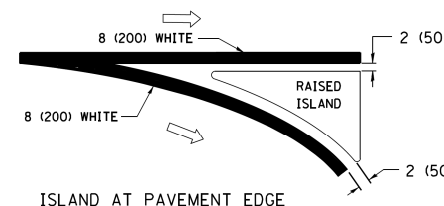
TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE 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".

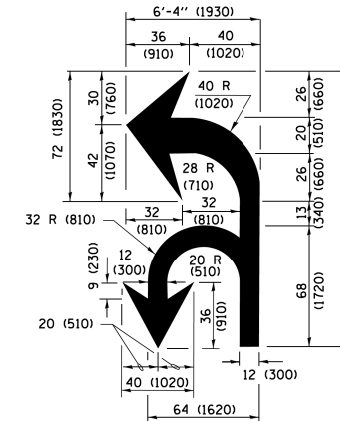


ISLAND OFFSET FROM PAVEMENT EDGE

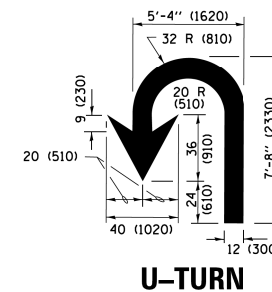


ISLAND AT PAVEMENT EDGE

TYPICAL ISLAND MARKING



COMBINATION LEFT AND U-TURN



U-TURN

LANE REDUCTION TRANSITION

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

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

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING /REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 @ 4 (100)	SOLID SOLID	YELLOW YELLOW	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 ²) EACH "X"=54.0 SQ. FT. (5.0 m ²)
SHOULDER DIAGONALS (REQUIRED FOR SHOULDERS ≥ 8')	12 (300) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (OVER 45MPH (70 km/h))
U TURN ARROW	SEE DETAIL	SOLID	WHITE	16.3 SF
2 ARROW COMBINATION LEFT AND U TURN	SEE DETAIL	SOLID	WHITE	30.4 SF

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

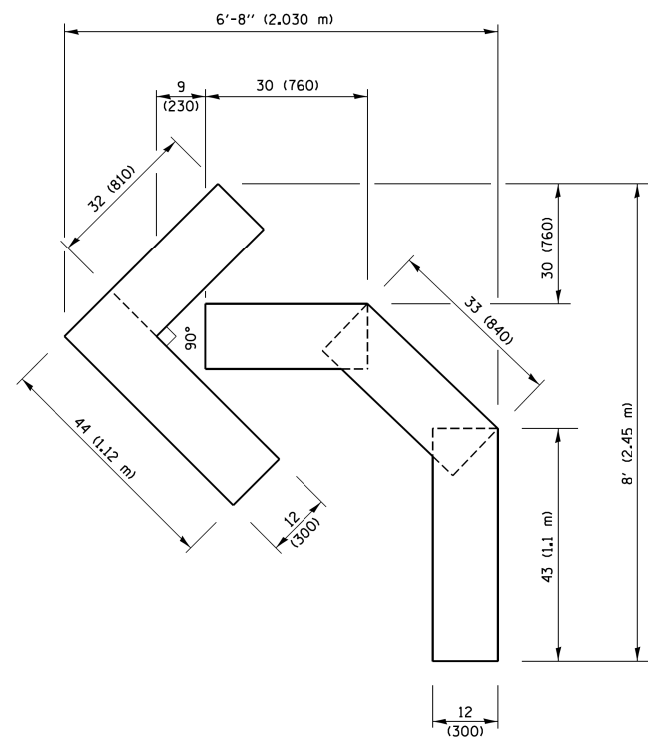
All dimensions are in inches (millimeters) unless otherwise shown.

FILE NAME = W:\dststd\22x34\td3.dgn	USER NAME = lveysa	DESIGNED - EVERS	REVISED - C. JUCIUS 09-09-09
		DRAWN -	REVISED - C. JUCIUS 07-01-13
	PLOT SCALE = 50.000' / 1"	CHECKED -	REVISED - C. JUCIUS 12-21-15
Default	PLOT DATE = 6/23/2017	DATE - 03-19-90	REVISED - C. JUCIUS 04-12-16

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

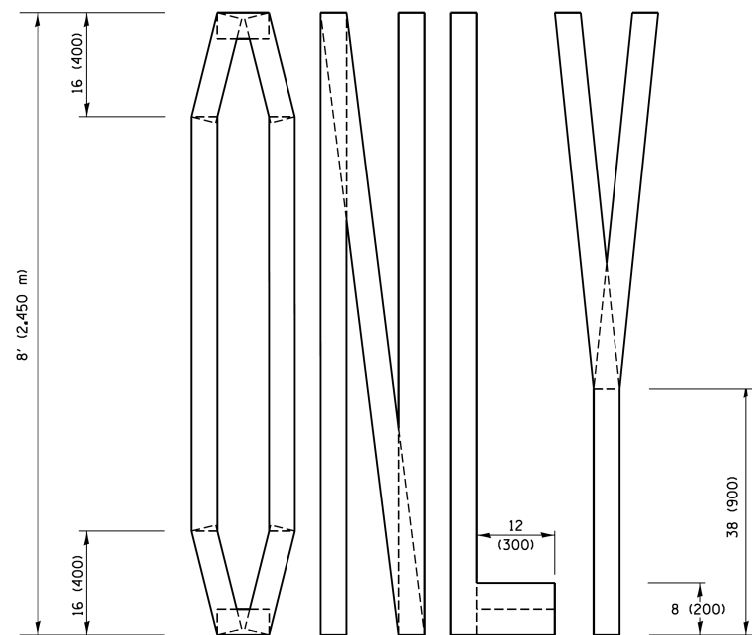
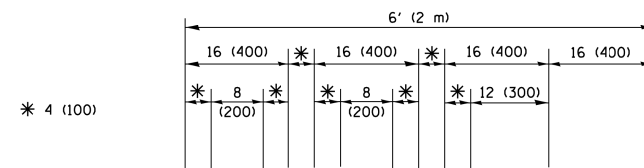
DISTRICT ONE TYPICAL PAVEMENT MARKINGS			
SCALE: NONE	SHEET 1	OF 1 SHEETS	STA. TO STA.

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



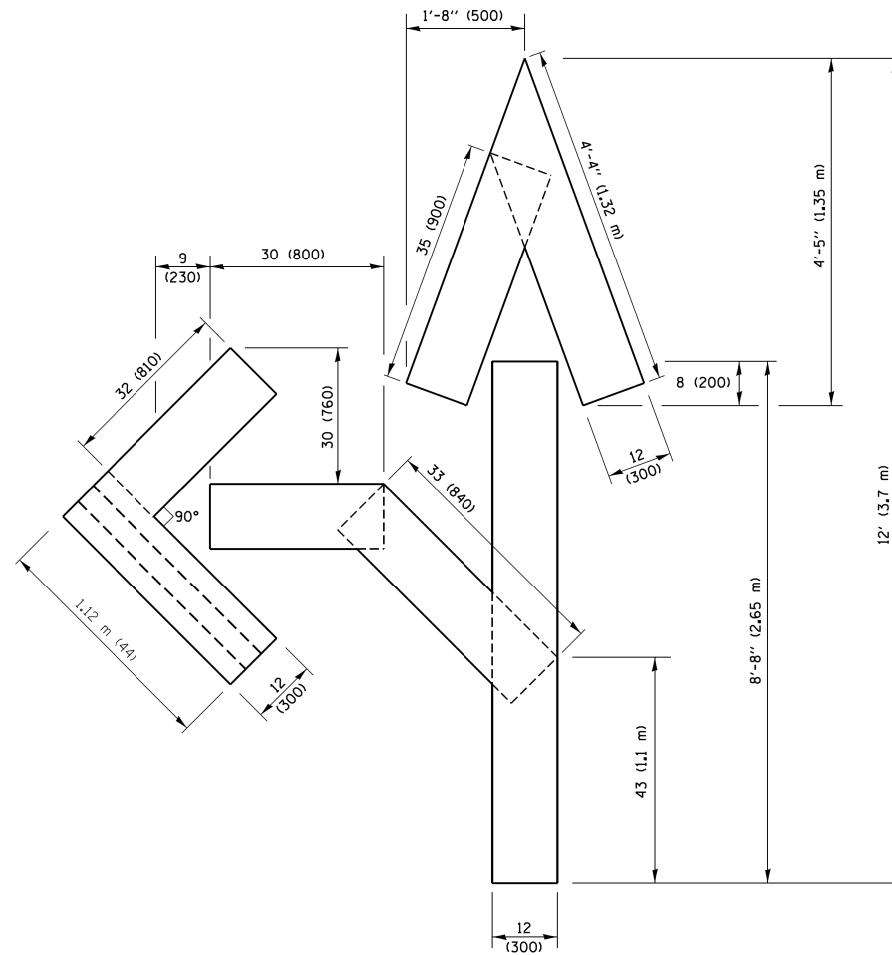
QUANTITY

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)

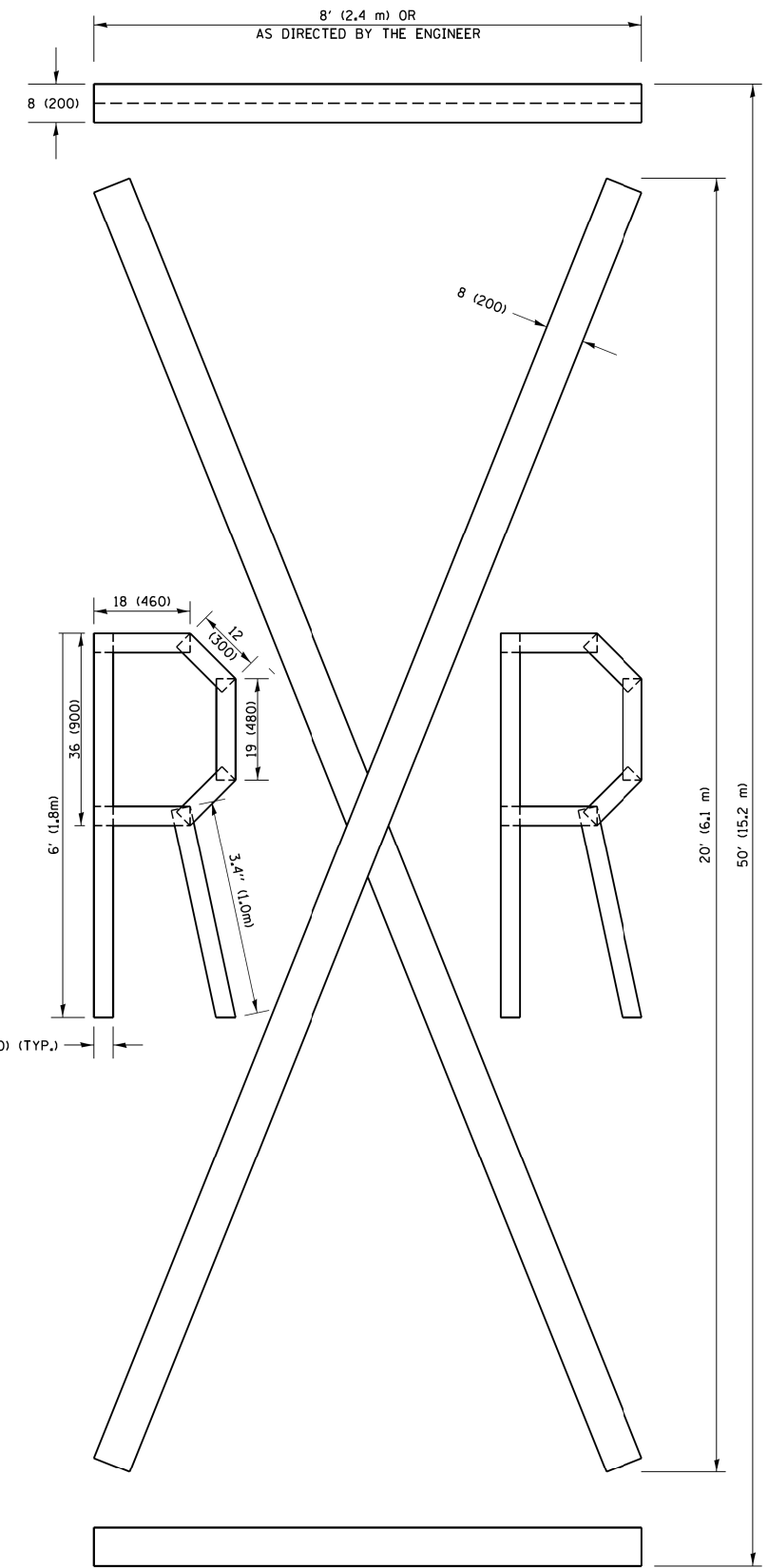


QUANTITY

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.

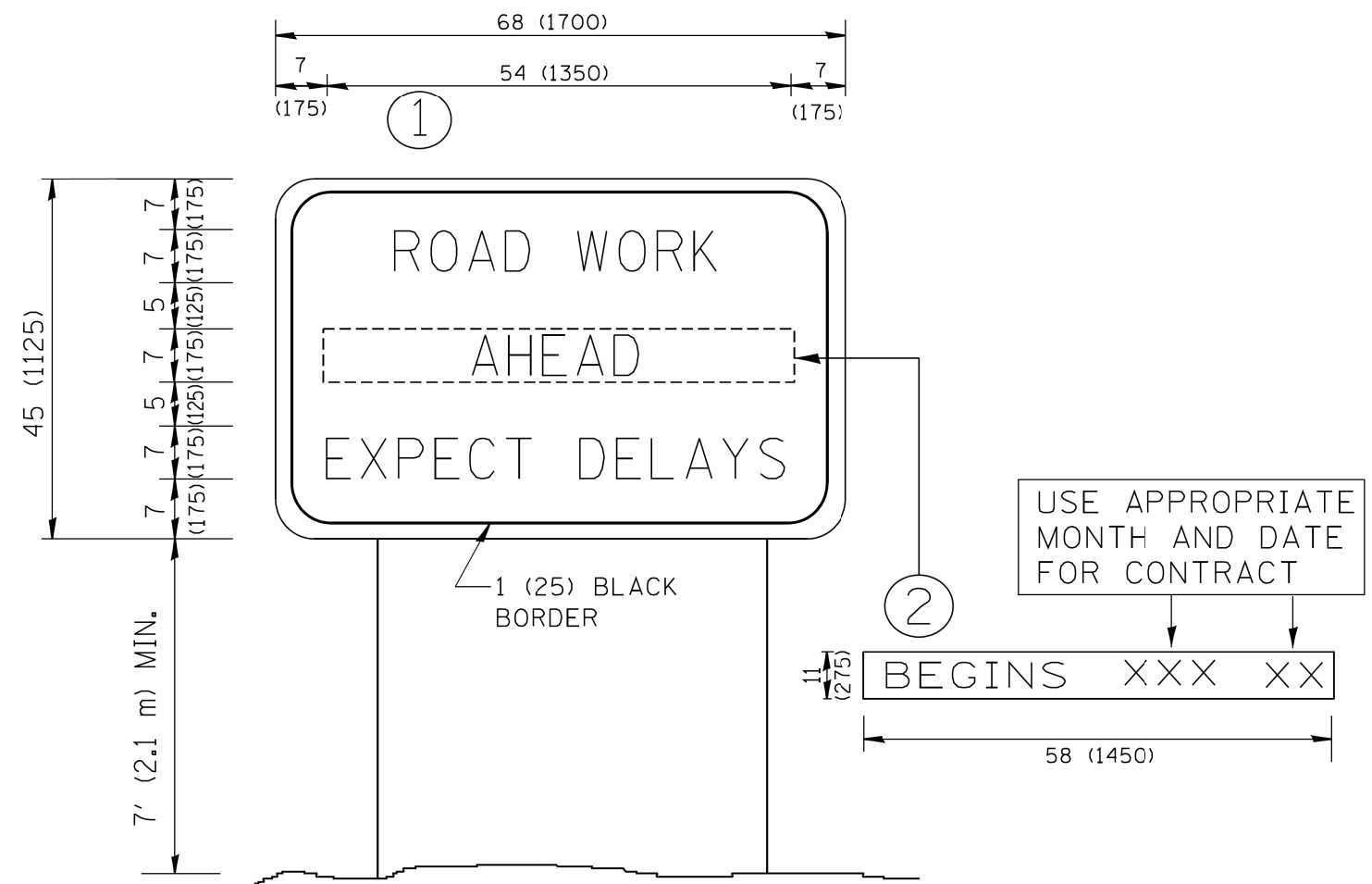
FILE NAME =	USER NAME = footemj	DESIGNED -	REVISED -T. RAMMACHER 03-02-98
pwt\IL084EBID\INTEG\Illinois.gov\PIWIDOT\Documents\IDOT Offices\District 1\Projects\Dist 1\CAD\Drawings\CAD\Drawings\to16.dgn		CHECKED -	REVISED -E. GOMEZ 08-28-00
		DATE -	REVISED -E. GOMEZ 08-28-00
			REVISED -A. SCHUETZE 09-15-16

**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				



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\to22.dgn	USER NAME = geglienobt	DESIGNED - DRAWN -	REVISED - R, MIRS 09-15-97 REVISED - R, MIRS 12-11-97
PLOT SCALE = 50.000' / IN.	CHECKED -	REVISED - T, RAMMACHER 02-02-99	REVISED - C, JUCIUS 01-31-07
PLOT DATE = 1/4/2008	DATE -		

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ARTERIAL ROAD
INFORMATION SIGN**

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. 29
TC-22		CONTRACT NO. 61E89		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				