

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

FAU 1472 (EAST BURLINGTON STREET)  
 RESURFACING & STREETSCAPING LONG COMMON ROAD TO HARLEM AVENUE  
 SECTION No. 12-00080-00-RS  
 PROJECT TE-M-4003(093)  
 VILLAGE OF RIVERSIDE  
 COOK COUNTY  
 JOB No: C-91-050-13

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1472	12-00080-00-RS	COOK	49	1
ILLINOIS CONTRACT NO. 61B53				

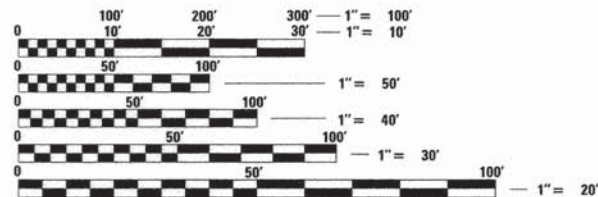


LOCATION OF SECTION INDICATED THUS: - [black rectangle] -

**TRAFFIC DATA**

EAST BURLINGTON STREET  
 ADT (YEAR) = 6,200 (2010)  
 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.

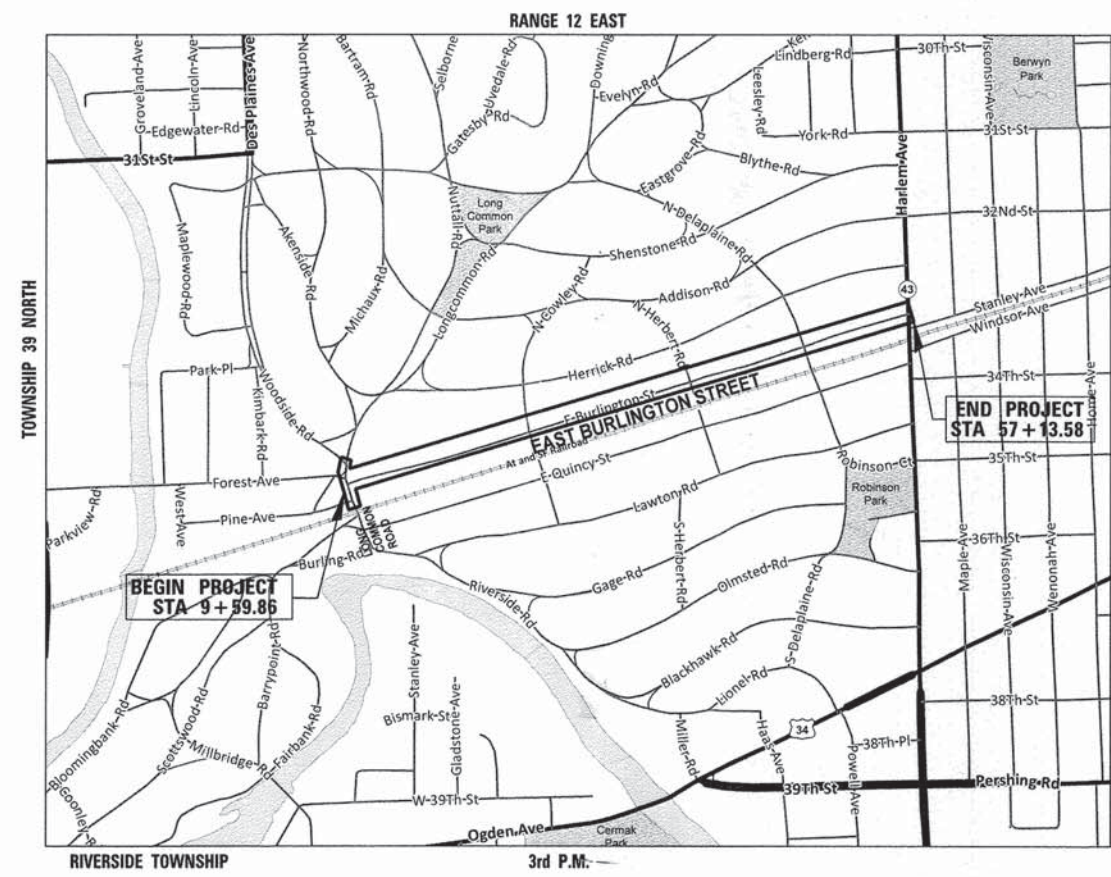
J.U.L.I.E.  
 JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION  
 1-800-892-0123  
 OR 811

**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: 04/30/15



April 7<sup>th</sup>, 2015  
 Douglas J. Gotham  
 DOUGLAS J. GOTHAM  
 ILLINOIS REGISTRATION No. 157-000575  
 EXPIRATION DATE: 08/31/16



LOCATION MAP

EAST BURLINGTON STREET  
 GROSS LENGTH OF PROJECT = 4,785 LINEAL FEET (0.91 MILES)  
 NET LENGTH OF PROJECT = 4,785 LINEAL FEET (0.91 MILES)



APR 7<sup>th</sup>, 2015  
 Anthony J. DeRicco  
 ANTHONY J. DERICCO  
 ILLINOIS REGISTRATION No. 062-057484  
 EXPIRATION DATE: 11/30/15



April 7<sup>th</sup>, 2015  
 Orion C. Galet  
 ORION C. GALET  
 ILLINOIS REGISTRATION No. 062-060829  
 EXPIRATION DATE: 11/30/2015

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 STATE OF ILLINOIS

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION  
 DIVISION OF HIGHWAYS

APPROVED April 7, 2015  
 Edward Bailey  
 PUBLIC WORKS DIRECTOR, VILLAGE OF RIVERSIDE

PASSED APRIL 8, 2015  
 C. Holt  
 DISTRICT 1 ENGINEER OF LOCAL ROADS AND STREETS

RELEASING FOR BID BASED ON LIMITED REVIEW April 10, 2015  
 John F. ...  
 DEPUTY DIRECTOR OF HIGHWAYS, REGION ONE ENGINEER

FEDERAL AID PROGRAM ENGINEER: FAWAD AQUEEL, P.E. (847) 705-4021, SCHAMBURG, IL.

# SUMMARY OF QUANTITIES

SI	CODE NO.	ITEM	UNIT	TOTAL ESTIMATED QUANTITY	CONSTRUCTION CODE		
					0005		0031
					STU 75%25%		ITEP 80%20%
	20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	120			120
	20101000	TEMPORARY FENCE	FOOT	500			500
	20101100	TREE TRUNK PROTECTION	EACH	10			10
*	20101200	TREE ROOT PRUNING	EACH	10			10
*	20101700	SUPPLEMENTAL WATERING	UNIT	100			100
	20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIALS	CU YD	450	450		
	20800150	TRENCH BACKFILL	CU YD	255			255
	21101685	TOPSOIL FINISH AND PLACE, 24"	SQ YD	100			100
	21301048	EXPLORATION TRENCH 48" DEPTH	FOOT	200			200
	28000510	INLET FILTERS	EACH	56	56		
	35101800	AGGREGATE BASE COURSE, TYPE B, 6 INCH	SQ YD	1767			1767
	35102400	AGGREGATE BASE COURSE, TYPE B, 12 INCH	SQ YD	1020			1020
	40201000	AGGREGATE FOR TEMPORARY ACCESS	TON	332	332		
	40600275	BITUMINOUS MATERIALS (PRIME COAT)	LBS	11000	11000		
	40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	20	20		
	40600827	POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4 75, N50	TON	924	924		
	40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	160	160		
	40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	1891	1891		
	42300200	PORTLAND CEMENT CONCRETE DRIVEWAY, 6 INCH	SQ YD	1006	1006		
	42400800	DETECTABLE WARNINGS	SQ FT	359	359		
	44000100	PAVEMENT REMOVAL	SQ YD	75			75
	44000161	HOT-MIX ASPHALT SURFACE REMOVAL, 3 INCH	SQ YD	14917	14917		
	44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	1225	1225		
	44000500	COMBINATION CONCRETE CURB AND GUTTER REMOVAL	FOOT	4100	4100		
	44000600	SIDEWALK REMOVAL	SQ FT	23479	23479		
	44201749	CLASS D PATCHES, TYPE I, 9 INCH	SQ YD	100	100		
	44201753	CLASS D PATCHES, TYPE II, 9 INCH	SQ YD	100	100		
	44201757	CLASS D PATCHES, TYPE III, 9 INCH	SQ YD	100	100		
	44201759	CLASS D PATCHES, TYPE IV, 9 INCH	SQ YD	747	747		
	48301000	PROTECTIVE COAT	SQ YD	1000	1000		

SI	CODE NO.	ITEM	UNIT	TOTAL ESTIMATED QUANTITY	CONSTRUCTION CODE		
					0005		0031
					STU 75%25%		ITEP 80%20%
	550B0050	STORM SEWERS, CLASS B, TYPE 1 12"	FOOT	10	10		
*	56400400	FIRE HYDRANTS TO BE RELOCATED	EACH	2	2		
*	56500600	DOMESTIC WATER SERVICE BOXES TO BE ADJUSTED	EACH	12			12
	60107700	PIPE UNDERDRAINS 6"	FOOT	200	200		
	60200105	CATCH BASIN, TYPE A, 4' DIAMETER, TYPE 1 FRAME, OPEN LID	EACH	12	12		
	60218400	MANHOLES, SANITARY, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	3	3		
	60406000	FRAMES AND LIDS, TYPE 1, OPEN LID	EACH	11	11		
	60604100	COMBINATION CONCRETE CURB AND GUTTER TYPE B-6.12 (MODIFIED)	FOOT	3300	3300		
	67100100	MOBILIZATION	L SUM	1	1		
	70102620	TRAFFIC CONTROL AND PROTECTION STANDARD 701501	L SUM	1	1		
	70102642	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	EACH	26	26		
	70300210	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS	SQ FT	44	44		
	70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	2000	2000		
	70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	500	500		
	70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	151	151		
	72000100	SIGN PANEL - TYPE 1	SQ FT	50			50
	72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT	600			600
*	78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	44	44		
*	78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4 INCH	FOOT	2620	2620		
*	78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6 INCH	FOOT	100	100		
*	78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12 INCH	FOOT	960	960		
*	78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24 INCH	FOOT	104	104		
*	80400100	ELECTRIC SERVICE INSTALLATION	EACH	1			1
*	80400200	ELECTRIC UTILITY SERVICE CONNECTION	L SUM	1			1
*	81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	20			20
*	81028240	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	60			60
*	81028710	UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 3/4" DIA.	FOOT	1550			1550
*	81028720	UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 1" DIA.	FOOT	2130			2130
*	81028750	UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 2" DIA.	FOOT	200			200
*	81702100	ELECTRIC CABLE IN CONDUIT, 800V (XLP-TYPE USE) 1/C NO. 12	FOOT	1900			1900

\* INDICATES SPECIALTY ITEM

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES  
BURLINGTON STREET

FILE NAME =	USER NAME = pmagnelli	DESIGNED - OCG	REVISED -
N:\RIVERS\DE\138490\NC\1500-138490.sht		DRAWN - PMM	REVISED -
Default	PLOT SCALE = 20'	CHECKED - OCG	REVISED -
	PLOT DATE = 8/17/2015	DATE -	REVISED -

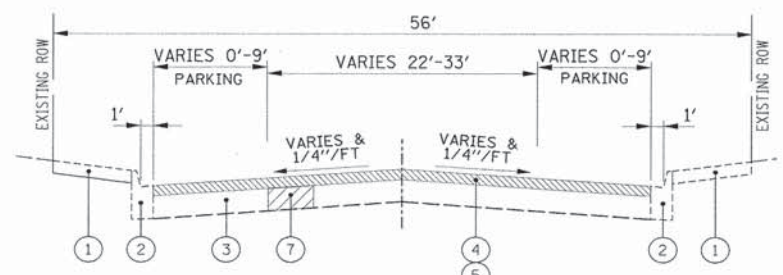
SCALE: 20'	SHEET 1	OF 1	SHEETS	STA.	TO STA.	F.A.U. RTE. 1472	SECTION 12-00080-00-RS	COUNTY COOK	TOTAL SHEETS 49	SHEET NO. 2
								CONTRACT NO. 61B53		ILLINOIS FED. AID PROJECT

SI	CODE NO.	ITEM	UNIT	TOTAL ESTIMATED QUANTITY	CONSTRUCTION CODE		
					0005		0031
					STU 75%25%		ITEP 80%20%
*	81702110	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 10	FOOT	4640			4640
*	81702120	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 8	FOOT	680			680
*	81702130	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 6	FOOT	8510			8510
*	81702180	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 3/0	FOOT	210			210
*	82500370	LIGHTING CONTROLLER, BASE MOUNTED, 240 VOLT, 200 AMP	EACH	1			1
*	83600200	LIGHT POLE FOUNDATION, 24" DIAMETER	FOOT	42			42
*	84200500	REMOVAL OF LIGHTING UNIT, SALVAGE	EACH	1			1
*	84200804	REMOVAL OF POLE FOUNDATION	EACH	4			4
*	84400105	RELOCATE EXISTING LIGHTING UNIT	EACH	3			3
*	84500110	REMOVAL OF LIGHTING CONTROLLER	EACH	1			1
*	84500120	REMOVAL OF ELECTRIC SERVICE INSTALLATION	EACH	1			1
*	88600600	DETECTOR LOOP REPLACEMENT	FOOT	200	200		
*	89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	1800			1800
*	89502380	REMOVE EXISTING HANDHOLE	EACH	1			1
*	A2000520	TREE, ACER NIGRUM GREEN COLUMN (GREEN COLUMN BLACK MAPLE), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	4			4
*	A2004520	TREE, GINKGO BILOBA "PRINCETON SENTRY", 2-1/2" CALIPER BALLED AND BURLAPPED	EACH	1			1
*	A2005040	TREE, GYMNOCLADUS DIOICUS "ESPRESSO", 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	2			2
*	A2005670	TREE, OSTRYA VIRGINIANA (AMERICAN HOPHORNBEAM), 8' HEIGHT, CLUMP FORM, BALLED AND BURLAPPED	EACH	2			2
*	B0001716	TREE, AMELANCHIER X GRANDIFLORA APPLE, (APPLE SERVICEBERRY), 2" CALIPER, TREE FORM, BALLED AND BURLAPPED	EACH	2			2
*	C2011600	SHRUB, VIBURNUM DENTATUM BLUE MUFFIN (BLUE MUFFIN ARROWHEAD), 3' HEIGHT, BALLED AND BURLAPPED	EACH	9			9
*	C2C03428	SHRUB, HYDRANGEA MACROPHYLLA ENDLESS SUMMER (ENDLESS SUMMER BIGI FAF HYDRANGEA), 2' HEIGHT, CONTAINER GROWN	EACH	14			14
*	C2C03620	SHRUB, HYDRANGEA PANICULATA LITTLE LIME (LITTLE LIME HYDRANGEA), 2' HEIGHT, CONTAINER GROWN	EACH	5			5
*	K0012990	PERENNIAL PLANTS, ORNAMENTAL TYPE, GALLON POT	UNIT	5			5
*	K1001988	IRRIGATION SYSTEM SPECIAL	L SUM	1			1
*	K1003680	MULCH	SQ YD	195			195
	X0324058	OUTLET SPECIAL	EACH	16			16
*	X0324390	FLOOD LIGHTING UNIT	EACH	14			14
*	X0324915	RELOCATE LIGHTING UNITS AND POLES	EACH	2			2

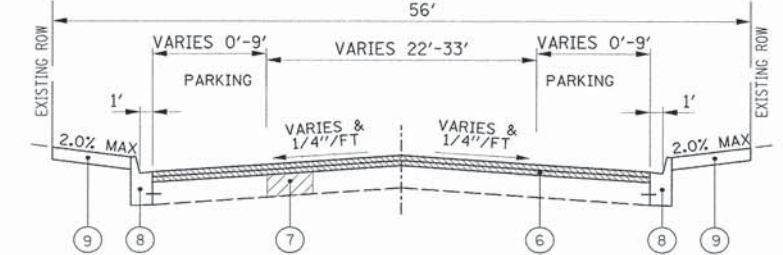
## SUMMARY OF QUANTITIES

SI	CODE NO.	ITEM	UNIT	TOTAL ESTIMATED QUANTITY	CONSTRUCTION CODE		
					0005		0031
					STU 75%25%		ITEP 80%20%
*	X0325170	PLANTING BED PREPARATION	SQ FT	1230			1230
*	X0326498	GFCI 20 AMP DUPLEX RECEPTACLE	EACH	10			10
*	X0328854	ORNAMENTAL LIGHT UNIT, COMPLETE	EACH	2			2
*	X2520650	SODDING, SALT TOLERANT (SPECIAL)	SQ YD	1000	1000		
*	X8140105	HANDHOLE (SPECIAL)	EACH	21			21
*	X8140230	HANDHOLE, COMPOSITE CONCRETE (SPECIAL)	EACH	10			10
*	X8250500	LIGHTING UNIT COMPLETE, SPECIAL	EACH	2			2
*	XX000959	TRASH RECEPTACLES	EACH	2			2
*	XX002918	TREE FRAME AND GRATES	EACH	16			16
	XX006739	CONCRETE PAVERS, TYPE A	SQ FT	12149	12149		
	XX006740	CONCRETE PAVERS, TYPE B	SQ FT	8306	8306		
*	XX007324	RECYCLING RECEPTACLE	EACH	2			2
	XX007413	CONCRETE EDGE RESTRAINT	FOOT	2830			2830
	XX007899	MASONRY WALL	FOOT	517			517
*	XX008910	PAVEMENT MARKING (SPECIAL)	SQ FT	740			740
	XX024100	EXPOSED AGGREGATE SURFACE	SQ FT	5106	5106		
*	Z0003850	BENCHES	EACH	20			20
*	Z0004002	BOLLARDS	EACH	6			6
	Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1		
	Z0018400	DRAINAGE STRUCTURE ADJUSTMENT	EACH	25	25		
	Z0018600	DRAINAGE STRUCTURE TO BE RECONSTRUCTED	EACH	11	11		
	Z0018700	DRAINAGE STRUCTURE TO BE REMOVED	EACH	12	12		
	Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	7			7
*	Z0033024	MAINTAIN EXISTING LIGHTING SYSTEM	L SUM	1			1
	Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM	1			1

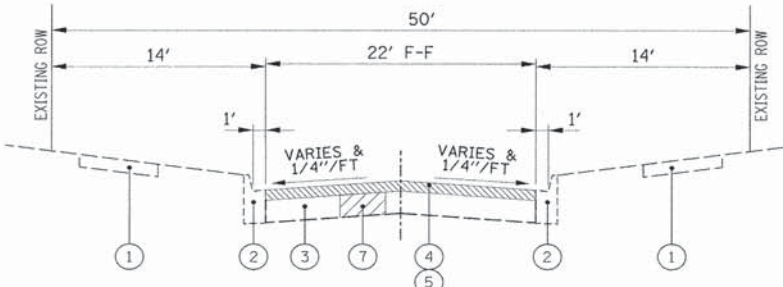
\* INDICATES SPECIALTY ITEM



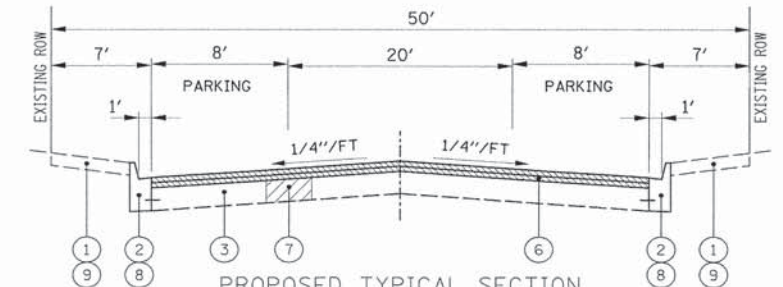
EXISTING TYPICAL SECTION  
EAST BURLINGTON STREET  
STA 9+59.86 TO STA 18+27.57



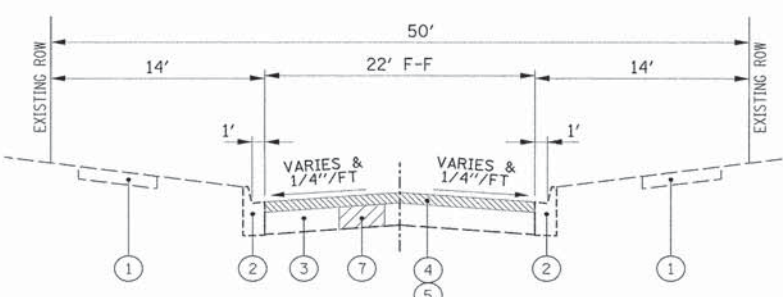
PROPOSED TYPICAL SECTION  
EAST BURLINGTON STREET



EXISTING TYPICAL SECTION  
EAST BURLINGTON STREET  
STA 18+27.57 TO STA 48+69.64



PROPOSED TYPICAL SECTION  
EAST BURLINGTON STREET  
STA 48+69.64 TO STA 57+13.58



EXISTING TYPICAL SECTION  
EAST BURLINGTON STREET  
STA 18+27.57 TO STA 48+69.64

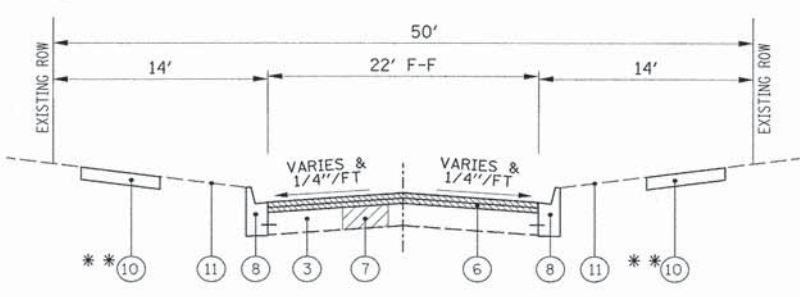
- LEGEND**
- ① EXISTING SIDEWALK
  - ② EXISTING CURB AND GUTTER
  - ③ EXISTING CONCRETE BASE COURSE
  - ④ EXISTING HOT-MIX ASPHALT SURFACE
  - ⑤ PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 3"
  - ⑥ PROPOSED HOT-MIX ASPHALT LEVELING BINDER (1") AND SURFACE COURSE (2")
  - ⑦ CLASS D PAVEMENT PATCHING (AS DIRECTED BY THE ENGINEER)
  - ⑧ PROPOSED CURB AND GUTTER \* (AS DIRECTED BY THE ENGINEER)
  - ⑨ PROPOSED POROUS CONCRETE UNIT PAVERS AND CONCRETE UNIT PAVERS
  - \*\* ⑩ PROPOSED PCC SIDEWALK, 5 INCH (AS DIRECTED BY THE ENGINEER)
  - ⑪ PROPOSED SODDING (AS DIRECTED BY THE ENGINEER)

\*\* 2" AGGREGATE BASE COURSE SHALL BE INCLUDED IN THE COST OF "PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH"

- DISTRICT ONE DETAILS**
- DRIVEWAY DETAILS DISTANCE BETWEEN ROW AND FACE OF CURB < 15' BD-02
  - CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT BD-24
  - TRAFFIC CONTROL AND PROTECTION FOR SIDESTREETS, INTERSECTIONS AND DRIVEWAYS TC-10
  - DISTRICT I TYPICAL PAVEMENT MARKINGS TC-13
  - PAVEMENT MARKING LETTERS AND SYMBOLS FOR TRAFFIC STAGING TC-16
  - ARTERIAL ROAD INFORMATION SIGN TC-22

HOT-MIX ASPHALT MIXTURE REQUIREMENTS		
MIXTURE ITEM		AIR VOIDS @ Ndes
PAVEMENT RESURFACING		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL 9.5mm), 2"		4% @ 50 GYR
POLYMERIZED LEVELING BINDER (MACHINE METHOD), N50, IL 4.75, 1"		4% @ 50 GYR
PATCHING		
CLASS D PATCHING, 9" (IN 2 LIFTS)		4% @ 70 GYR

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



PROPOSED TYPICAL SECTION  
EAST BURLINGTON STREET  
STA 18+27.57 TO STA 48+69.64

- HIGHWAY STANDARDS**
- STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS 000001-06
  - PERPENDICULAR CURB RAMPS FOR SIDEWALKS 424001-08
  - DIAGONAL CURB RAMPS FOR SIDEWALKS 424006-02
  - CORNER PARALLEL CURB RAMPS FOR SIDEWALKS 424011-02
  - MID BLOCK CURB RAMPS FOR SIDEWALKS 424016-02
  - DEPRESSED CORNER FOR SIDEWALKS 424021-03
  - ENTRANCE/ALLEY PEDESTRIAN CROSSINGS 424026-01
  - CLASS C AND D PATCHES 442201-04
  - CATCH BASIN, TYPE A 602001-02
  - FRAME AND LIDS, TYPE 1 604001-04
  - GRATE, TYPE 8 604036-03
  - CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER 606001-06
  - 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, MOVING OPERATIONS - DAY ONLY 701301-04
  - URBAN LANE CLOSURE, 2L, 2W-UNDIVIDED 701501-06
  - URBAN LANE CLOSURE MULTILANE, 1W, 2W NONTRAVERSABLE MEDIAN 701601-09
  - LANE CLOSURE, MULTILANE 1W OR 2W CROSSWALK OR SIDEWALK CLOSURE 701801-05
  - TRAFFIC CONTROL DEVICES 701901-04
  - SIGN PANEL MOUNTING DETAILS 720001-01
  - SIGN PANEL ERECTION DETAILS 720006-04
  - TYPICAL PAVEMENT MARKINGS 780001-05

DESCRIPTION	SHEET NO
COVER SHEET	1
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- 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 SPECIFICATION"), 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 CONSTRUCTION IN ILLINOIS."
  - UTILITY LOCATIONS HAVE NOT ALL BEEN SHOWN ON THESE PLANS. THE CONTRACTOR SHALL HAVE THE RESPECTIVE UTILITY COMPANIES FIELD LOCATE ALL THEIR FACILITIES PRIOR TO BEGINNING CONSTRUCTION. THE CONTRACTOR SHALL ALSO VERIFY THE DEPTHS OF THE EXISTING UTILITIES IF NECESSARY. ANY RELOCATION OR LOWERING OF UTILITIES SHALL BE COORDINATED 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 DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED AT THE CONTRACTOR'S EXPENSE TO THE SATISFACTION OF THE ENGINEER.
  - THE CONTRACTOR SHALL NOTIFY THE VILLAGE PUBLIC WORKS AT LEAST 48 HOURS IN ADVANCE OF BEGINNING WORK TO OBTAIN VILLAGE UTILITY LOCATIONS AND SHALL COORDINATE ALL CONSTRUCTION OPERATIONS WITH THE ENGINEER.
  - MATERIALS RESULTING FROM THE REMOVAL OF PAVEMENT, DRIVEWAYS, CURB AND GUTTER, HOT-MIX ASPHALT SURFACES, ETC. SHALL BE REMOVED AT THE END OF EACH DAY TO AN APPROVED SITE. IF IN THE JUDGEMENT OF THE ENGINEER, IT SHOULD BE NECESSARY TO REMOVE SUCH MATERIALS, THE ENGINEER WILL HAVE THE MATERIAL REMOVED AND THE CONTRACTOR WILL BE BILLED (CHARGED) ACCORDINGLY.
  - IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY BUSINESSES AND THE ENGINEER WHEN ACCESS WILL BE TEMPORARILY CLOSED DUE TO CURB AND GUTTER AND/OR DRIVEWAY/SIDEWALK REPLACEMENT. THE CONTRACTOR SHALL DISTRIBUTE NOTICES PROVIDED BY THE VILLAGE. EVERY EFFORT SHALL BE MADE TO ACCOMMODATE ACCESS TO THESE PROPERTIES.
  - IN ADDITION TO THE REQUIREMENTS OF ARTICLE 107.18 OF THE STANDARD SPECIFICATIONS, A WATER METER MUST BE A WATER METER OBTAINED FROM THE VILLAGE MUST BE OBTAINED IN ORDER TO DRAW FROM THE VILLAGE WATER SUPPLY. THE CONTRACTOR SHALL PAY FOR ALL WATER DRAWN FROM THE RIVERSIDE WATER DISTRIBUTION SYSTEM IN PERFORMANCE OF THIS PROJECT. A WATER METER DEPOSIT OF \$1,500 IS REQUIRED BEFORE ISSUANCE OF A WATER METER. THE VILLAGE OF RIVERSIDE WILL DESIGNATE THE HYDRANT FROM WHICH WILL BE DRAWN. UNDER NO CIRCUMSTANCES SHALL WATER BE DRAWN FROM AN UNAPPROVED HYDRANT OR FACILITY. CURRENT WATER CHARGES ARE 8.57 PER UNIT.
  - ACCESS TO BUSINESSES SHALL BE PROVIDED AT ALL TIMES. CONSTRUCTION OF TEMPORARY SIDEWALK RAMPS OR ANY OTHER DEVICE NECESSARY TO PROVIDE ACCESS WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF CONCRETE UNIT PAVERS.
  - PRIOR TO STARTING WORK, AN APPROVED CONSTRUCTION SEQUENCING SCHEDULE SHALL BE SUBMITTED TO THE VILLAGE DEPICTING HOW THE CONTRACTOR INTENDS TO MAINTAIN ACCESS TO ALL BUSINESSES.
  - EXISTING BUILDING DOWNSPOUTS THAT CONNECT TO THE EXISTING SEWER SYSTEM SHALL BE MAINTAINED AT ALL TIMES DURING CONSTRUCTION. PERMANENT RE-CONNECTIONS SHALL BE MADE WHEN CONSTRUCTION STAGING PERMITS. THIS WORK SHALL NOT BE PAID SEPARATELY BUT WILL BE INCLUDED IN THE COST OF SIDEWALK REMOVAL.
  - EXISTING VAULTED SIDEWALKS MAY EXIST IN FRONT OF THE OLDER BUILDINGS ON EAST BURLINGTON STREET AND LONGCOMMON ROAD. BEFORE CONSTRUCTION BEGINS, THE CONTRACTOR SHALL INVESTIGATE IF SUCH CONDITIONS ACTUALLY EXIST. THE CONTRACTOR SHALL EXERCISE EXTREME CAUTION DURING HIS OPERATIONS NOT TO DAMAGE OR DISTURB THESE AREAS. ANY ADDITIONAL EFFORTS BY THE CONTRACTOR TO COMPLETE CONSTRUCTION IN THESE POTENTIAL AREAS SHALL BE INCLUDED IN THE COST OF SIDEWALK REMOVAL.
  - IN STREETScape AREA (STA 9+59.86 TO STA 18+27.57) THE VARIABLE CURB HEIGHT MAY VARY BETWEEN 3" TO 9" FOR DRAINAGE PURPOSES; CHANGES IN THE CURB HEIGHT SHALL BE INCLUDED IN THE COST OF THE PAY ITEM "COMBINATION CONCRETE CURB AND GUTTER TYPE B-6.12".
  - EARTH EXCAVATION SHALL BE INCLUDED IN THE COST OF THE ADJOINING REMOVAL ITEM.
  - SAW CUTTING SHALL BE INCLUDED IN THE COST OF THE ASSOCIATED REMOVAL ITEM.

MAINTENANCE OF TRAFFIC GENERAL NOTES

1. TWO-WAY TRAFFIC SHALL BE MAINTAINED ON EAST BURLINGTON THROUGHOUT CBD UNLESS OTHERWISE APPROVED BY THE ENGINEER FOR SHORT DURATIONS.
2. ALL SIGNANCE SHALL BE IN ACCORDANCE WITH MUTCD. SUGGESTED MAINTENANCE OF TRAFFIC SHOWN IS MINIMUM REQUIRED; CONTRACTOR SHALL PROVIDE ADDITIONAL TRAFFIC CONTROL MEASURES AS DIRECTED BY THE ENGINEER. THIS WORK SHALL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION (SPECIAL)

SUGGESTED STAGING SEQUENCE

PRE-STAGE

- MAINTAIN TRAFFIC UTILIZING IDOT STANDARD 701501
- REMOVE TREES AT LOCATIONS AS SHOWN ON THE PLANS AND AS DIRECTED BY THE ENGINEER
- INSTALL EROSION CONTROL ITEMS ON NORTH SIDE OF EAST BURLINGTON

STAGE 1 CONTROLLING ITEMS

- ESTABLISH NO PARKING ALONG NORTH SIDE OF EAST BURLINGTON WITHIN STAGE 1 PROJECT LIMITS
- ESTABLISH TRAFFIC CONTROL DEVICES PER THE MUTCD, THE MOT PLANS AND AS DIRECTED BY THE ENGINEER
- REMOVE ONLY THE NECESSARY VEGETATION, SIDEWALK, AND CURB AND GUTTER REQUIRED TO CONSTRUCT MASONRY PLANTER WALLS ALONG THE NORTH SIDE OF EAST BURLINGTON
- CONSTRUCT FOUNDATIONS AND MASONRY WALLS
- REMOVE ALL CONCRETE CURB AND GUTTER, SIDEWALK, PAVEMENT AND VEGETATION WITHIN THE PERMEABLE PAVER AREAS
- CONSTRUCT ALL CONCRETE RETAINING EDGES, INCLUDING TREE GRATE SUPPORTS, AND SITE FURNITURE PADS
- EXCAVATE AND INSTALL SUBBASE TO SPECIFIED DEPTHS
- INSTALL CONCRETE PAVERS TYPE B (PERMEABLE CONCRETE UNIT PAVERS)

STAGE 2 CONTROLLING ITEMS

- MAINTAIN NO PARKING ALONG NORTH SIDE OF EAST BURLINGTON WITHIN STAGE 1 PROJECT LIMITS
- ESTABLISH TRAFFIC CONTROL DEVICES PER THE MUTCD, THE MOT PLANS AND AS DIRECTED BY THE ENGINEER
- REMOVE ALL REMAINING SIDEWALK AND VEGETATION WITHIN NORTH SIDE PROJECT LIMITS
- CONSTRUCT ALL CONCRETE RETAINING EDGES ALONG FACE OF BUILDINGS OR EDGE OF ROW
- EXCAVATE AND INSTALL SUBBASE TO SPECIFIED DEPTHS
- INSTALL ALL CONDUIT AND REQUIRED UTILITIES
- INSTALL CONCRETE PAVERS TYPE A (IMPERVIOUS CONCRETE UNIT PAVERS)

STAGE 3 CONTROLLING ITEMS

- ESTABLISH NO PARKING ALONG SOUTH SIDE OF EAST BURLINGTON WITHIN STAGE 3 PROJECT LIMITS
- ESTABLISH TRAFFIC CONTROL DEVICES PER THE MUTCD, THE MOT PLANS AND AS DIRECTED BY THE ENGINEER
- REMOVE ONLY THE NECESSARY VEGETATION, SIDEWALK, AND CURB AND GUTTER REQUIRED TO CONSTRUCT MASONRY PLANTER WALLS ALONG THE SOUTH SIDE OF EAST BURLINGTON
- CONSTRUCT FOUNDATIONS AND MASONRY WALLS
- REMOVE ALL CONCRETE CURB AND GUTTER, SIDEWALK, PAVEMENT AND VEGETATION WITHIN THE PERMEABLE PAVER AREAS
- CONSTRUCT ALL CONCRETE RETAINING EDGES, INCLUDING TREE GRATE SUPPORTS, AND SITE FURNITURE PADS
- EXCAVATE AND INSTALL SUBBASE TO SPECIFIED DEPTHS
- INSTALL CONCRETE PAVERS TYPE B (PERMEABLE CONCRETE UNIT PAVERS)

STAGE 4 CONTROLLING ITEMS

- MAINTAIN NO PARKING ALONG NORTH SIDE OF EAST BURLINGTON WITHIN STAGE 1 PROJECT LIMITS
- ESTABLISH TRAFFIC CONTROL DEVICES PER THE MUTCD, THE MOT PLANS AND AS DIRECTED BY THE ENGINEER
- REMOVE ALL REMAINING SIDEWALK AND VEGETATION WITHIN NORTH SIDE PROJECT LIMITS
- INSTALL WOODEN RAMPS TO ALL BUSINESS ENTRANCES
- CONSTRUCT ALL CONCRETE RETAINING EDGES ALONG FACE OF BUILDINGS OR EDGE OF ROW
- EXCAVATE AND INSTALL SUBBASE TO SPECIFIED DEPTHS
- INSTALL ALL CONDUIT AND REQUIRED UTILITIES
- INSTALL CONCRETE PAVERS TYPE A (IMPERVIOUS CONCRETE UNIT PAVERS)

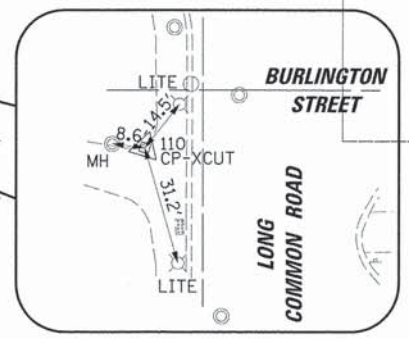
STAGE 5

- INSTALL TOPSOIL, TREES AND PLANTINGS
- INSTALL SITE FURNITURE, TREE GRATES, ETC.

FILE NAME = N:\RIVERSIDE\130490\Civil\MDT\NOT-130490.dwg	USER NAME = pmagnoli	DESIGNED - OCG	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>MAINTENANCE OF TRAFFIC GENERAL NOTES BURLINGTON STREET</b>	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - PMM	REVISED -			1472	12-00080-00-RS	COOK	49	5
		CHECKED - OCG	REVISED -			CONTRACT NO. 61B53				
Default		DATE -	REVISED -			SCALE: 20'	SHEET 1 OF 1 SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT	



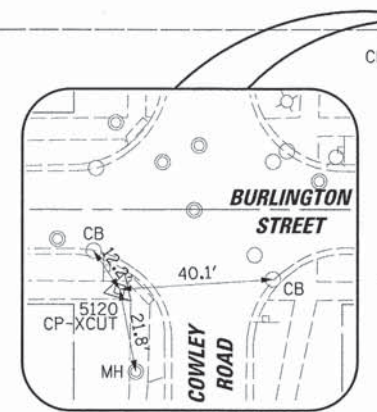
EXIST. CURVE BURL-1	EXIST. CURVE BURL-2	EXIST. CURVE BURL-3	EXIST. CURVE BURL-4
PI STA. = 16+97.69	PI STA. = 17+46.06	PI STA. = 18+95.46	PI STA. = 19+43.14
$\Delta = 5^\circ 50' 50''$ (RT)	$\Delta = 5^\circ 34' 17''$ (LT)	$\Delta = 3^\circ 58' 59''$ (RT)	$\Delta = 4^\circ 11' 34''$ (LT)
D = 22° 55' 06"	D = 22° 55' 06"	D = 16° 22' 13"	D = 16° 22' 13"
R = 250.00'	R = 250.00'	R = 350.00'	R = 350.00'
T = 12.77'	T = 12.16'	T = 12.17'	T = 12.81'
L = 25.51'	L = 24.31'	L = 24.33'	L = 25.61'
E = 0.33'	E = 0.30'	E = 0.21'	E = 0.23'
P.C. STA. = 16+84.92	P.C. STA. = 17+33.90	P.C. STA. = 18+83.29	P.C. STA. = 19+30.33
P.T. STA. = 17+10.44	P.T. STA. = 17+58.21	P.T. STA. = 19+07.62	P.T. STA. = 19+55.94



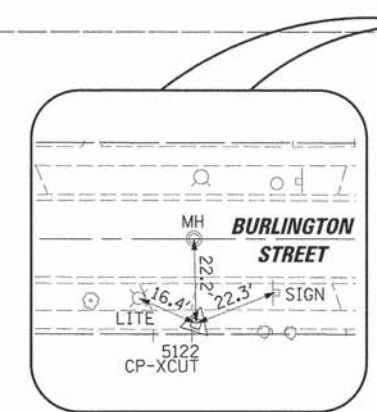
**CP 110**  
 N 1,880,314.61 E 1,124,207.14  
 STA 9+59.86, 15.03' RT



**CP 109**  
 N 1,880,631.90 E 1,125,137.56  
 STA 19+41.86, 22.41' RT



**CP 5120**  
 N 1,880,754.41 E 1,125,685.44  
 STA 25+02.44, 20.85' RT



**CP 5122**  
 N 1,880,961.63 E 1,126,363.90  
 STA 32+11.87, 22.08' RT

ELEVATION BENCHMARKS DATUM: NGVD OF 1929		
NO.	DESCRIPTION	ELEV.
OSBM 9-2	NORTHWEST CORNER OF CONC. STOOD FRONT OF #21 BURLINGTON	613.83
OSBM 9-25	NORTHEAST CORNER OF BOTTOM STEP TO HOUSE #85 BURLINGTON	612.66
OSBM 13-1	SQUARE CUP SET ATOP EASTERLY CURBLINE OF COWLEY ROAD LOCATED APPROX. NORTH OF BURLINGTON RAILROAD LINE.	615.04
OSBM 13-2	CL OF CONC. GARAGE DOOR LOCATED SE CORNER BURLINGTON AND HERBERT ROWHOME "A" IN RES. COMPLEX #241 BURLINGTON ST.	609.96
OSBM 13-3	SQUARE CUP NW CORNER TRAFFIC SIGNAL HAND HOLE LOCATED AT SW CORNER OF BURLINGTON ST AND HARLEM AVENUE.	608.42





MATCH LINE STA. 35 + 00

MATCH LINE STA. 50 + 00

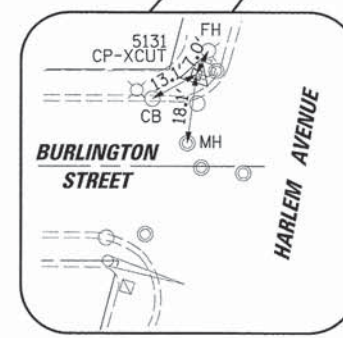


**CP 5124**  
 N 1,881,196.35 E 1,126,980.85  
 STA 38 + 70.40, 21.09' LT



**CP 5128**  
 N 1,881,457.54 E 1,127,974.30  
 STA 48 + 96.83, 20.67' RT

MATCH LINE STA. 50 + 00

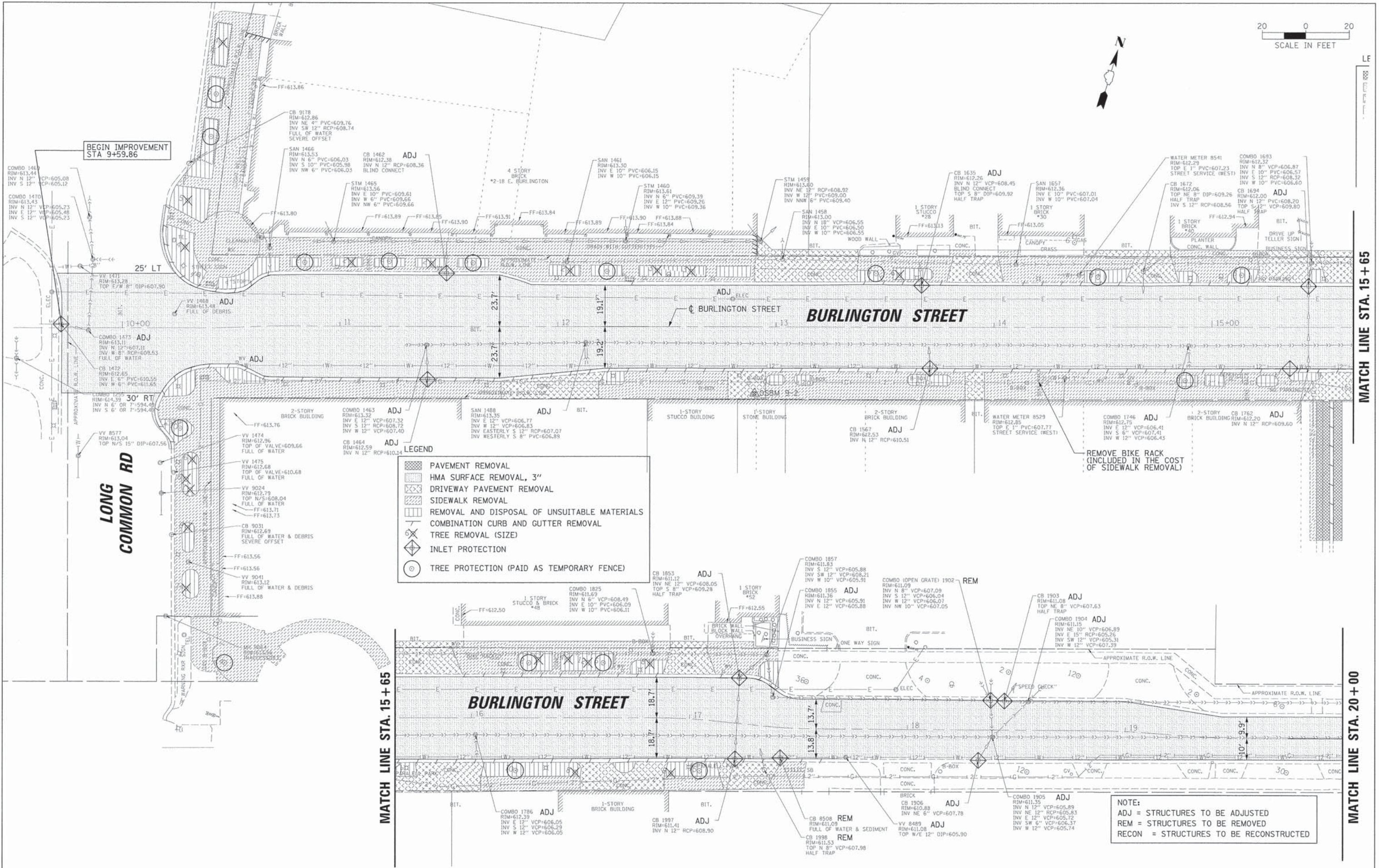


**CP 5131**  
 N 1,881,743.47 E 1,128,753.18  
 STA 57 + 25.90, 24.04' LT

ELEVATION BENCHMARKS DATUM: NGVD OF 1929		
NO.	DESCRIPTION	ELEV.
OSBM 9-2	NORTHWEST CORNER OF CONC. STOOP FRONT OF #21 BURLINGTON	613.83
OSBM 9-25	NORTHEAST CORNER OF BOTTOM STEP TO HOUSE #85 BURLINGTON	612.66
OSBM 13-1	SQUARE CUT SET ATOP EASTERLY CURBLINE OF COMLEY ROAD LOCATED APPROX. 6.5' ± NORTH OF BURLINGTON RAILROAD LINE	615.04
OSBM 13-2	CL OF CONC. GARAGE DOOR LOCATED ON SE CORNER BURLINGTON AND HERBERT	608.96
OSBM 13-3	ROWLINE "A" IN RES. COMPLEX #241 BURLINGTON ST.	
OSBM 13-5	SQUARE CUTN NW CORNER TRAFFIC SIGNAL HAND HOLE LOCATED AT SW CORNER OF BURLINGTON ST AND HARLEM AVENUE.	608.42

EXIST. CURVE BURL-5 PI STA. = 49+21.22 Δ = 13° 01' 40" (LT) D = 114° 35' 30" R = 50.00' T = 5.71' L = 11.37' E = 0.32' P.C. STA. = 49+15.51 P.T. STA. = 49+26.88	EXIST. CURVE BURL-6 PI STA. = 49+36.31 Δ = 13° 16' 01" (RT) D = 114° 35' 30" R = 50.00' T = 5.81' L = 11.58' E = 0.34' P.C. STA. = 49+30.50 P.T. STA. = 49+42.08
EXIST. CURVE BURL-7 PI STA. = 50+49.60 Δ = 9° 00' 21" (RT) D = 57° 17' 45" R = 100.00' T = 7.88' L = 15.72' E = 0.31' P.C. STA. = 50+41.72 P.T. STA. = 50+57.44	EXIST. CURVE BURL-8 PI STA. = 50+71.10 Δ = 9° 03' 16" (LT) D = 57° 17' 45" R = 100.00' T = 7.92' L = 15.80' E = 0.31' P.C. STA. = 50+63.18 P.T. STA. = 50+78.98





**LEGEND**

- PAVEMENT REMOVAL
- HMA SURFACE REMOVAL, 3"
- DRIVEWAY PAVEMENT REMOVAL
- SIDEWALK REMOVAL
- REMOVAL AND DISPOSAL OF UNSUITABLE MATERIALS
- COMBINATION CURB AND GUTTER REMOVAL
- TREE REMOVAL (SIZE)
- INLET PROTECTION
- TREE PROTECTION (PAID AS TEMPORARY FENCE)

**NOTE:**  
 ADJ = STRUCTURES TO BE ADJUSTED  
 REM = STRUCTURES TO BE REMOVED  
 RECON = STRUCTURES TO BE RECONSTRUCTED

FILE NAME =	USER NAME = pmagne11	DESIGNED - OCG	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>REMOVAL PLAN BURLINGTON STREET</b>	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
N:\RIVERSIDE\138490\Civil\REM01-138490.dwg		DRAWN - PMM	REVISED -			1472	12-00080-00-RS	COOK	49	8	
PLOT SCALE = 20'		CHECKED - OCG	REVISED -			CONTRACT NO. 61B53					
PLOT DATE = 8/17/2015		DATE -	REVISED -			ILLINOIS FED. AID PROJECT					

MATCH LINE STA. 15 + 65

MATCH LINE STA. 20 + 00

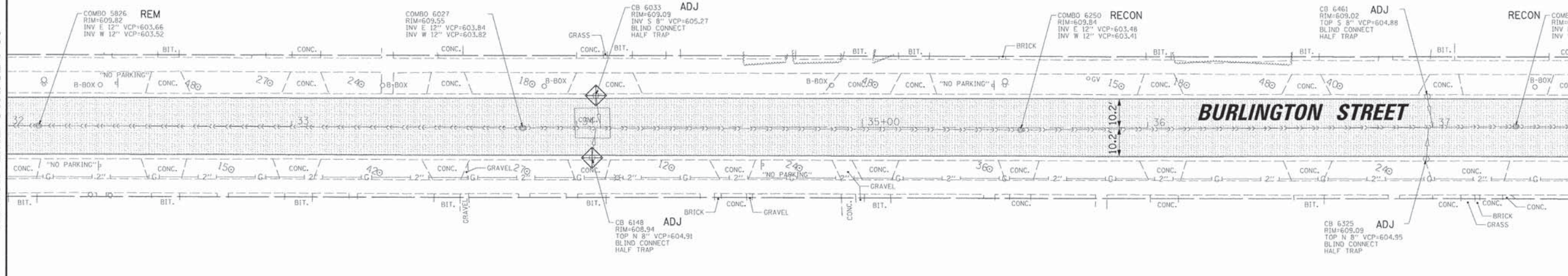






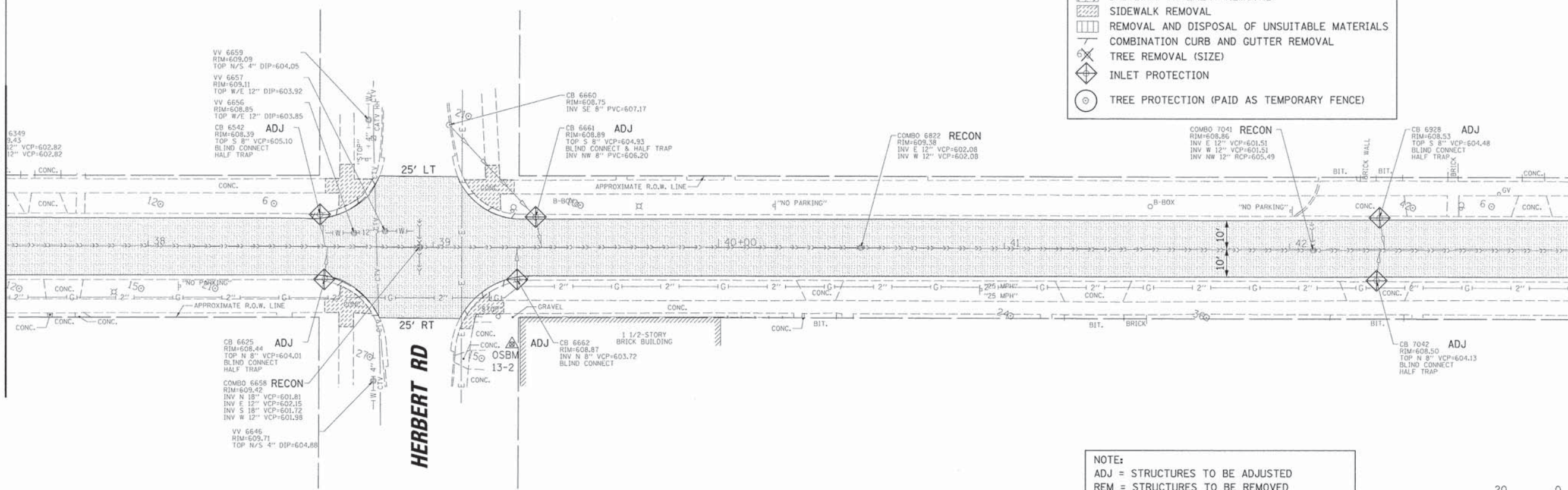
MATCH LINE STA. 32+00

MATCH LINE STA. 37+50



MATCH LINE STA. 37+50

MATCH LINE STA. 43+00



**LEGEND**

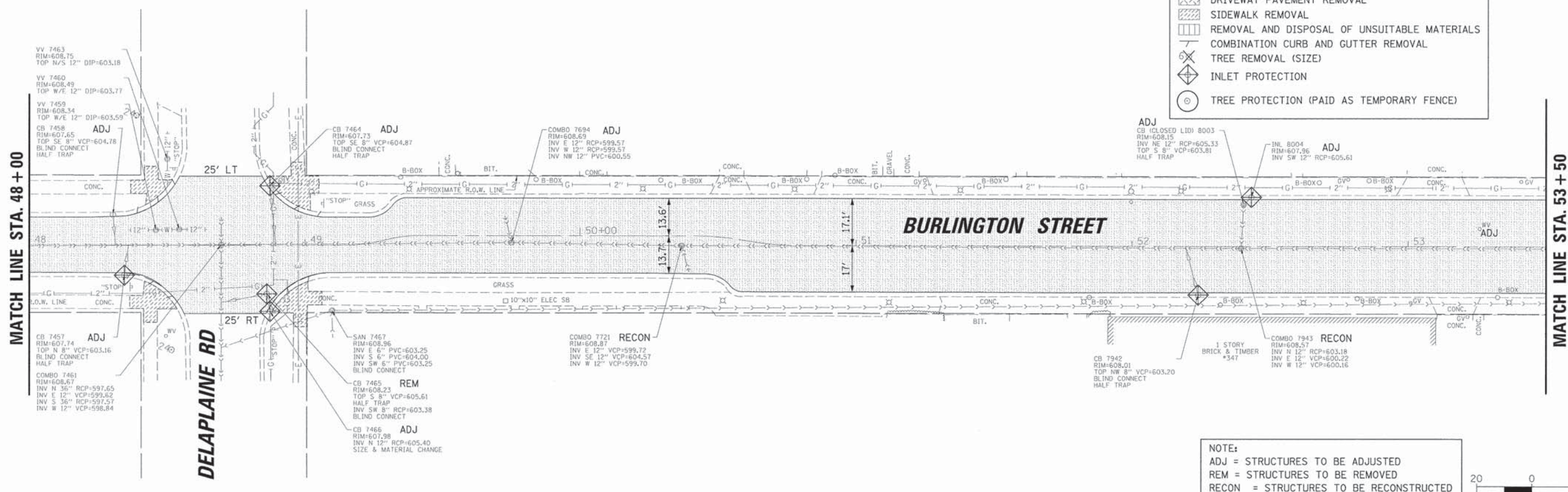
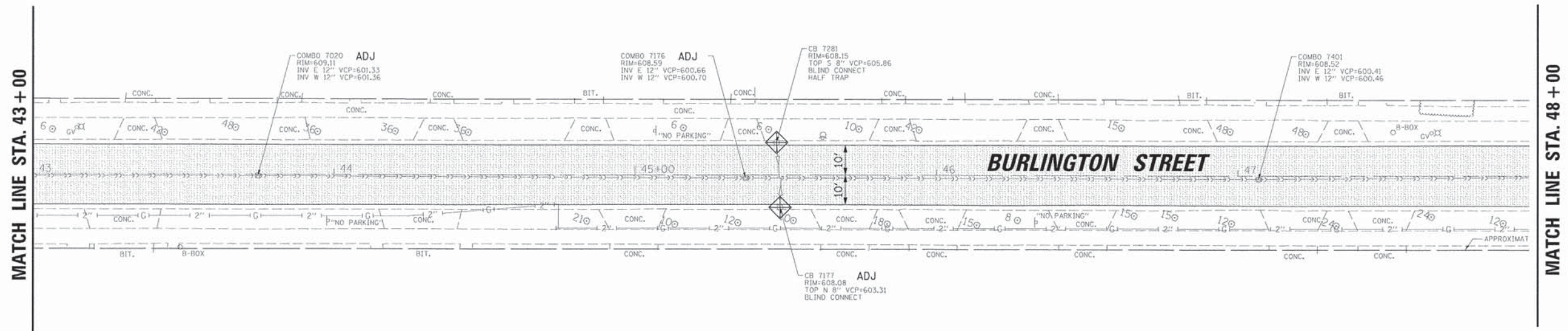
- PAVEMENT REMOVAL
- HMA SURFACE REMOVAL, 3"
- DRIVEWAY PAVEMENT REMOVAL
- SIDEWALK REMOVAL
- REMOVAL AND DISPOSAL OF UNSUITABLE MATERIALS
- COMBINATION CURB AND GUTTER REMOVAL
- TREE REMOVAL (SIZE)
- INLET PROTECTION
- TREE PROTECTION (PAID AS TEMPORARY FENCE)

**NOTE:**  
 ADJ = STRUCTURES TO BE ADJUSTED  
 REM = STRUCTURES TO BE REMOVED  
 RECON = STRUCTURES TO BE RECONSTRUCTED



FILE NAME =	USER NAME = pmagne11	DESIGNED - OCG	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>REMOVAL PLAN BURLINGTON STREET</b>	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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Default	PLOT SCALE = 20'	CHECKED - OCG	REVISED -			CONTRACT NO. 61B53					
	PLOT DATE = 8/17/2015	DATE -	REVISED -			ILLINOIS FED. AID PROJECT					

SCALE: 20' SHEET 3 OF 5 SHEETS STA. 32+00 TO STA. 43+00



**LEGEND**

	PAVEMENT REMOVAL
	HMA SURFACE REMOVAL, 3"
	DRIVEWAY PAVEMENT REMOVAL
	SIDEWALK REMOVAL
	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIALS
	COMBINATION CURB AND GUTTER REMOVAL
	TREE REMOVAL (SIZE)
	INLET PROTECTION
	TREE PROTECTION (PAID AS TEMPORARY FENCE)

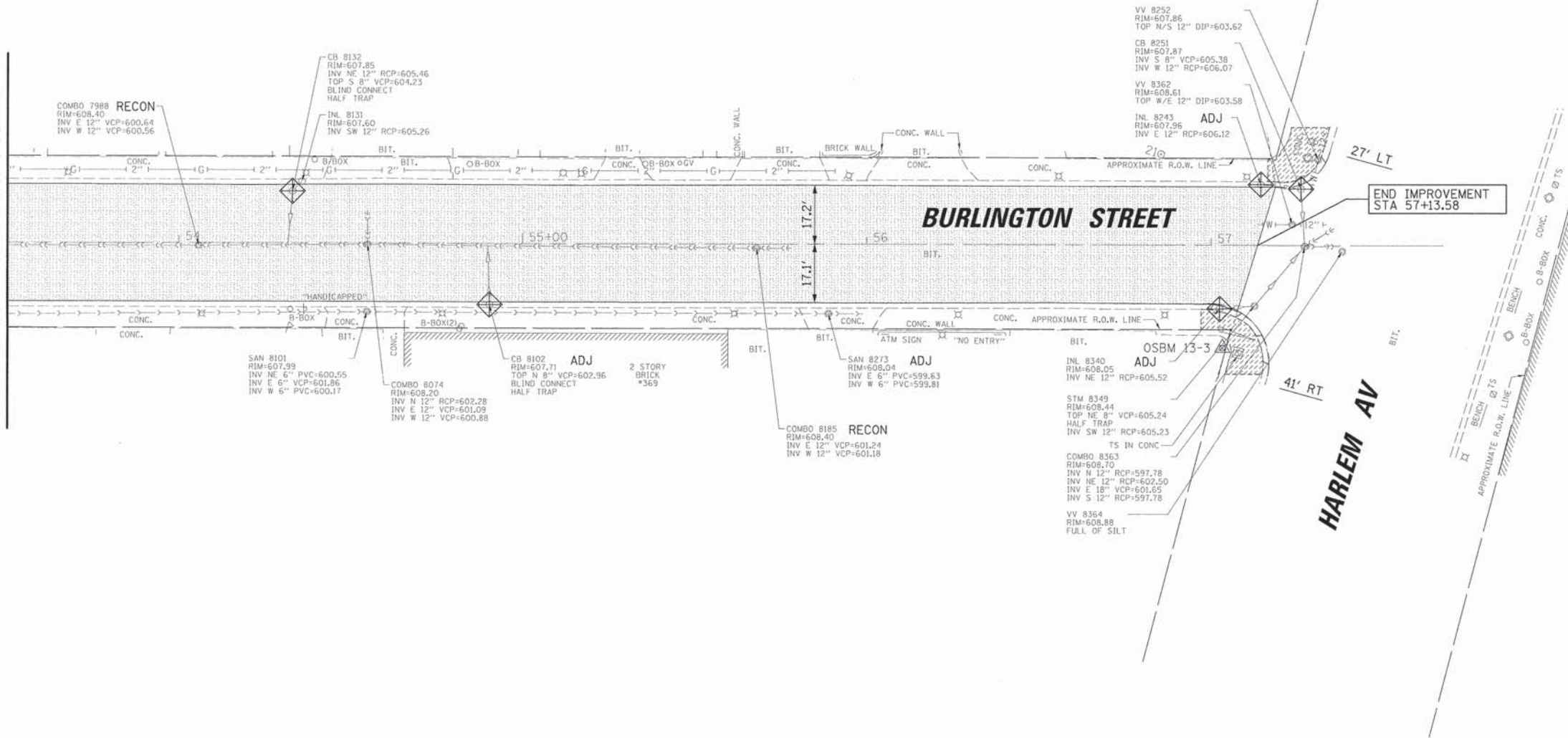
**NOTE:**  
 ADJ = STRUCTURES TO BE ADJUSTED  
 REM = STRUCTURES TO BE REMOVED  
 RECON = STRUCTURES TO BE RECONSTRUCTED



FILE NAME =	USER NAME = pmagne11	DESIGNED - OCG	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>REMOVAL PLAN BURLINGTON STREET</b>	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
NSRTVERSIDEN\130490\CV11\REMB4-130490.dwg	PLLOT SCALE = 20'	DRAWN - PMM	REVISED -			1472	12-00080-00-RS	COOK	49	11	
Default	PLLOT DATE = 8/17/2015	CHECKED - OCG	REVISED -			CONTRACT NO. 61B53					
		DATE -	REVISED -			ILLINOIS FED. AID PROJECT					



MATCH LINE STA. 53 + 50



**LEGEND**

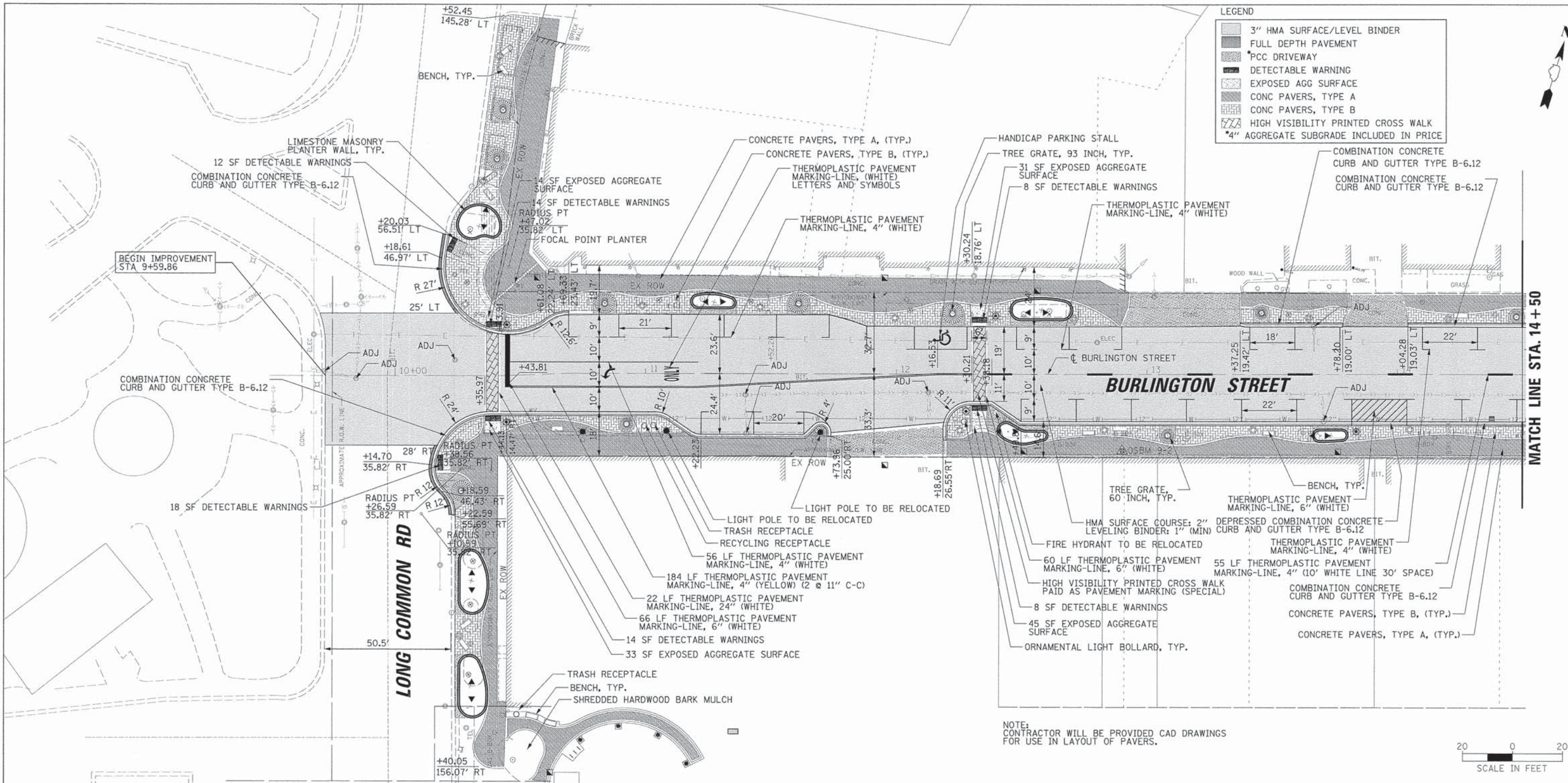
	PAVEMENT REMOVAL
	HMA SURFACE REMOVAL, 3"
	DRIVEWAY PAVEMENT REMOVAL
	SIDEWALK REMOVAL
	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIALS
	COMBINATION CURB AND GUTTER REMOVAL
	TREE REMOVAL (SIZE)
	INLET PROTECTION
	TREE PROTECTION (PAID AS TEMPORARY FENCE)

**NOTE:**  
 ADJ = STRUCTURES TO BE ADJUSTED  
 REM = STRUCTURES TO BE REMOVED  
 RECON = STRUCTURES TO BE RECONSTRUCTED



FILE NAME =	USER NAME = pmogro111	DESIGNED - OCG	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>REMOVAL PLAN BURLINGTON STREET</b>	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
Default	PLOT SCALE = 20'	CHECKED - OCG	REVISED -			1472	12-00080-00-R5	COOK	49	12	
	PLOT DATE = 8/17/2015	DATE -	REVISED -			SCALE: 20'		SHEET 5 OF 5 SHEETS		STA. 53+50 TO STA. 58+00	
						CONTRACT NO. 61B53 ILLINOIS FED. AID PROJECT					

	3" HMA SURFACE/LEVEL BINDER
	FULL DEPTH PAVEMENT
	PCC DRIVEWAY
	DETECTABLE WARNING
	EXPOSED AGG SURFACE
	CONC PAVERS, TYPE A
	CONC PAVERS, TYPE B
	HIGH VISIBILITY PRINTED CROSS WALK
	4" AGGREGATE SUBGRADE INCLUDED IN PRICE



PLAN	DATE	BY
SAVED		
REVISED		
NOTE BOOK	ALIGNED CHECKED	
	PT. OF WAY CHECKED	
	COND. FILE NAME	

PROFILE	DATE	BY
SAVED		
REVISED		
NOTE BOOK	GRADES CHECKED	
	B.M. NOTED	
	STRUCTURE NOTATION CHFD	

MATCH LINE STA. 14 +50

NOTE: CONTRACTOR WILL BE PROVIDED CAD DRAWINGS FOR USE IN LAYOUT OF PAVERS.



STATION	605	610	615
10+00	613.55		
10+05	613.49 613.41	613.10 612.89 613.08 612.95	613.45 613.04 613.23 613.10
10+10	613.45 613.34	612.70 612.70 613.03	613.54 612.54 612.88 613.04
10+15	613.42 613.26	612.53 612.75 612.78	612.59 612.52 612.69 612.70
10+20	613.44 613.34	612.49 612.48 612.87 612.87	612.66 612.66 612.92 612.92
10+25	613.39 613.26	612.65 612.65 613.02	612.62 612.61 612.97 612.93
10+30	613.27 613.23	612.54 612.54 612.89 612.85	612.46 612.46 612.82 612.77
10+35	613.14 613.08	612.37 612.71 612.70	612.33 612.54 612.54 612.89 612.63
10+40	613.09 613.01	612.30 612.24 612.63 612.63	612.28 612.15 612.63 612.56
10+45	612.86 612.71	612.23 612.23 612.88 612.50	612.12 612.06 612.53 612.42
10+50	612.05 611.82 612.71 612.33		

FILE NAME -	USER NAME - gmagnelli	DESIGNED - OCG	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION				F.A.U. RTE. 1472	SECTION 12-00080-00-RS	COUNTY COOK	TOTAL SHEETS 49	SHEET NO. 13
Default	PLOT SCALE = 20'	CHECKED - OCG	REVISED -	ROADWAY PLAN AND PROFILE BURLINGTON STREET				CONTRACT NO. 61853				
Default	PLOT DATE = 8/17/2015	DATE -	REVISED -	SCALE: 20'				ILLINOIS FED. AID PROJECT				

DATE	BY
DESIGNED	OCG
PLANNED	
NOTED	
NO.	

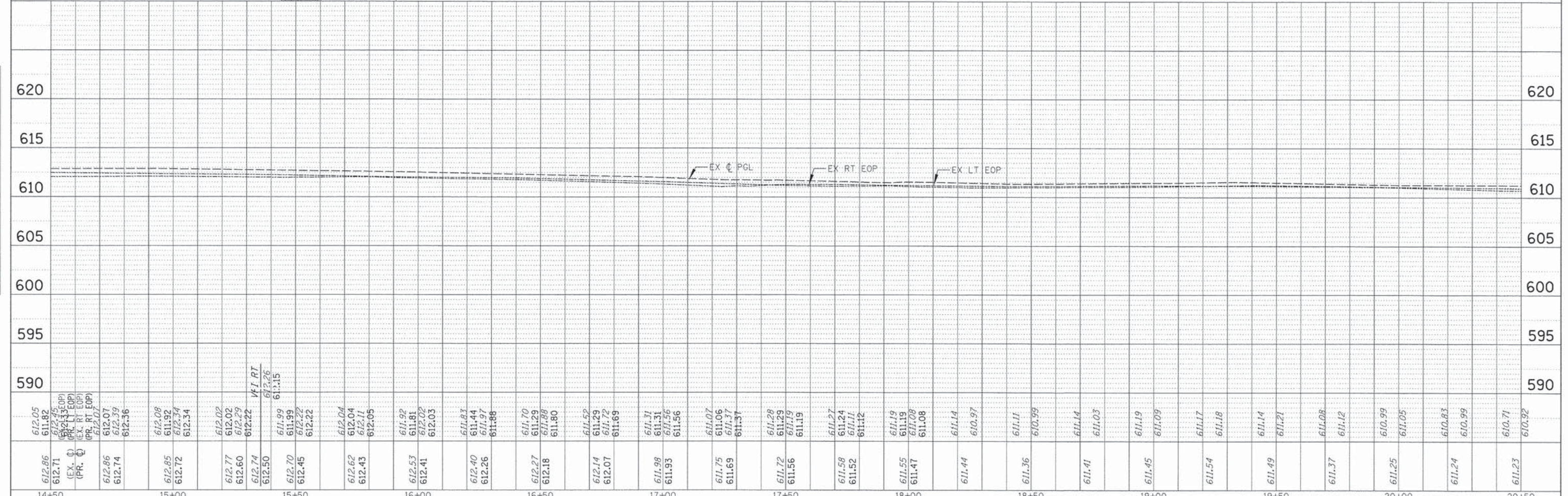
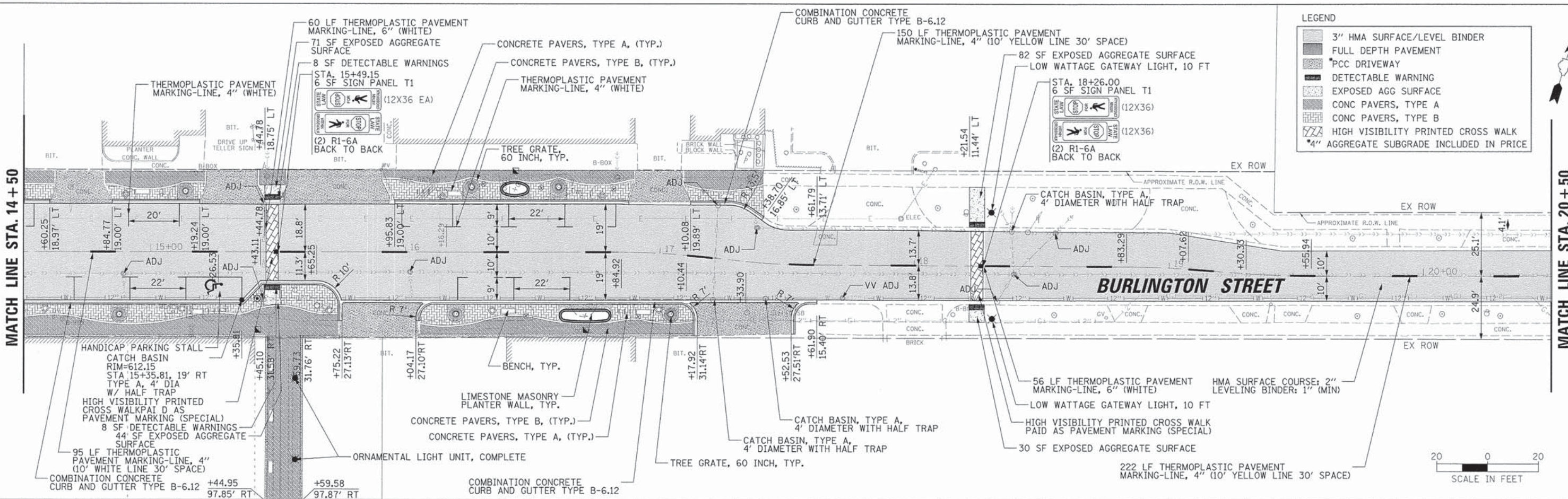
DATE	BY
DESIGNED	OCG
PLANNED	
NOTED	
NO.	

MATCH LINE STA. 14+50

MATCH LINE STA. 20+50

**LEGEND**

◻	3" HMA SURFACE/LEVEL BINDER
◻	FULL DEPTH PAVEMENT
◻	PCC DRIVEWAY
◻	DETECTABLE WARNING
◻	EXPOSED AGG SURFACE
◻	CONC PAVERS, TYPE A
◻	CONC PAVERS, TYPE B
◻	HIGH VISIBILITY PRINTED CROSS WALK
◻	4" AGGREGATE SUBGRADE INCLUDED IN PRICE



FILE NAME -	USER NAME - pmagnoll	DESIGNED - OCG	REVISED -		
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Default	PLOT SCALE = 28'	CHECKED - OCG	REVISED -		
	PLOT DATE = 8/17/2015	DATE -	REVISED -		

<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>			<b>ROADWAY PLAN AND PROFILE BURLINGTON STREET</b>		
F.A.U. RTE. 1472	SECTION 12-00080-00-R5	COUNTY COOK	TOTAL SHEETS 49	SHEET NO. 14	CONTRACT NO. 61853
SCALE: 20' SHEET 2 OF 9 SHEETS STA. 14+50 TO STA. 20+50					
ILLINOIS FED. AID PROJECT					

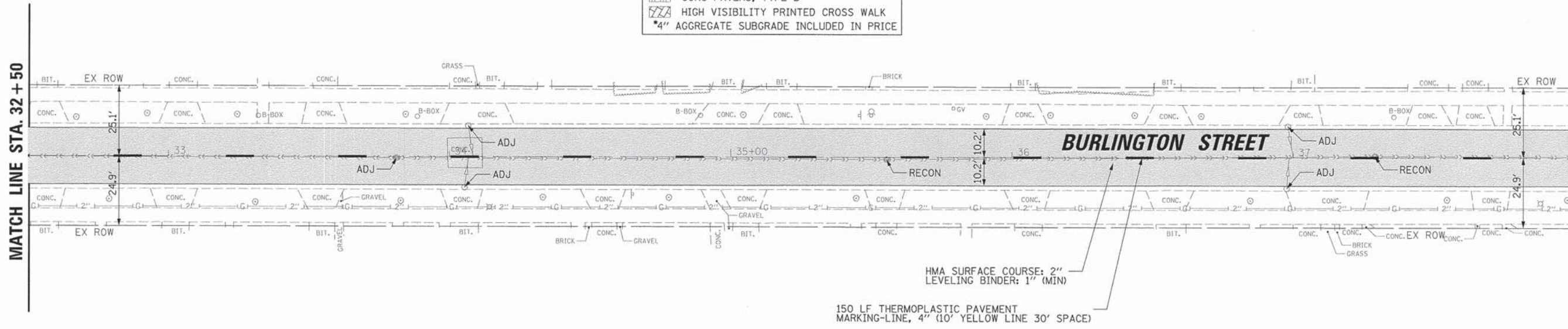






**LEGEND**

- 3" HMA SURFACE/LEVEL BINDER
- FULL DEPTH PAVEMENT
- PCC DRIVEWAY
- DETECTABLE WARNING
- EXPOSED AGG SURFACE
- CONC PAVERS, TYPE A
- CONC PAVERS, TYPE B
- HIGH VISIBILITY PRINTED CROSS WALK
- 4" AGGREGATE SUBGRADE INCLUDED IN PRICE



NOTE:  
COMBINATION CURB AND GUTTER REMOVAL AND REPLACEMENT  
AND DRIVEWAY REMOVAL AND REPLACEMENT TO BE DETERMINED  
BY THE ENGINEER IN THE FIELD.

**PLAN**

DATE: \_\_\_\_\_  
BY: \_\_\_\_\_  
DRAWN: \_\_\_\_\_  
CHECKED: \_\_\_\_\_  
NO. \_\_\_\_\_

**PROFILE**

DATE: \_\_\_\_\_  
BY: \_\_\_\_\_  
DRAWN: \_\_\_\_\_  
CHECKED: \_\_\_\_\_  
NO. \_\_\_\_\_

Station	620	615	610	605	600	595	590
32+50							
33+00							
33+50							
34+00							
34+50							
35+00							
35+50							
36+00							
36+50							
37+00							
37+50							
38+00							
	EX. (P.R.) 609.83	609.77	609.72	609.65	609.61	609.57	609.49
	(EX. LT. EOP) 609.45						
	(PR. LT. EOP) 609.45						
	(EX. RT. EOP) 609.34						
	(PR. RT. EOP) 609.39						
	609.25						
	609.31						
	609.23						
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	609.17						

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USER NAME: pmagnall  
DESIGNED: OCG  
DRAWN: PMM  
CHECKED: OCG  
DATE: \_\_\_\_\_  
REVISED: -  
REVISED: -  
REVISED: -  
REVISED: -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ROADWAY PLAN AND PROFILE  
BURLINGTON STREET

SCALE: 20'

SHEET 5 OF 9 SHEETS

STA. 32+50 TO STA. 38+00

F.A.I. RTE. 1472

SECTION 12-00080-00-RS

COUNTY COOK

TOTAL SHEETS 49

SHEET NO. 17

CONTRACT NO. 61853

ILLINOIS FED. AID PROJECT

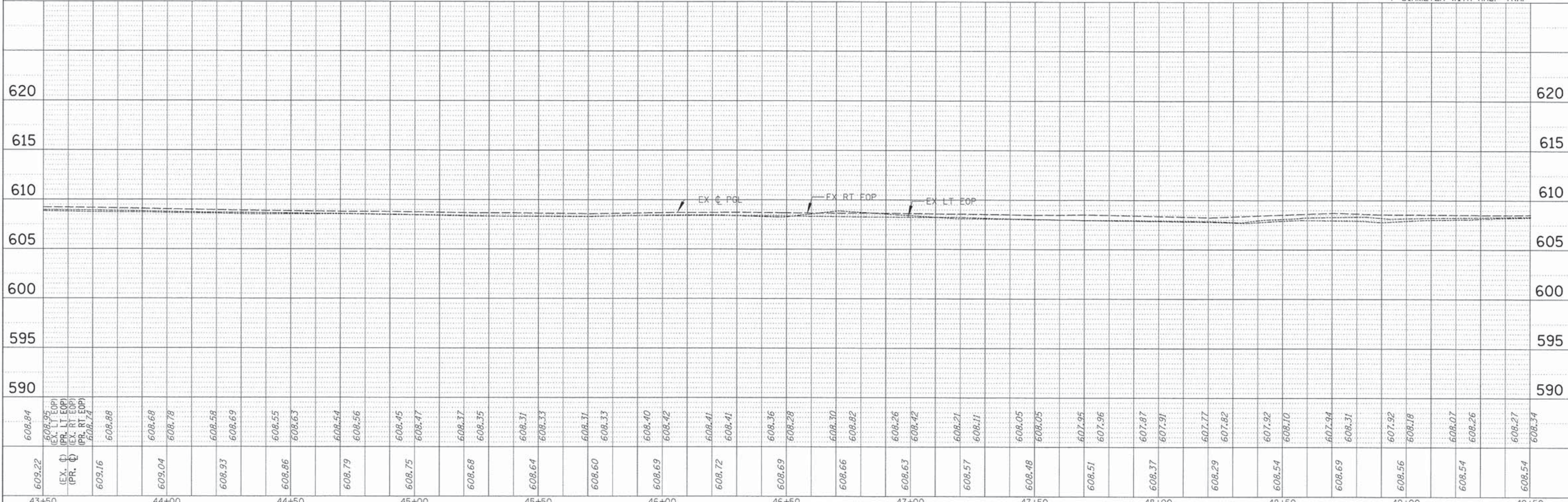
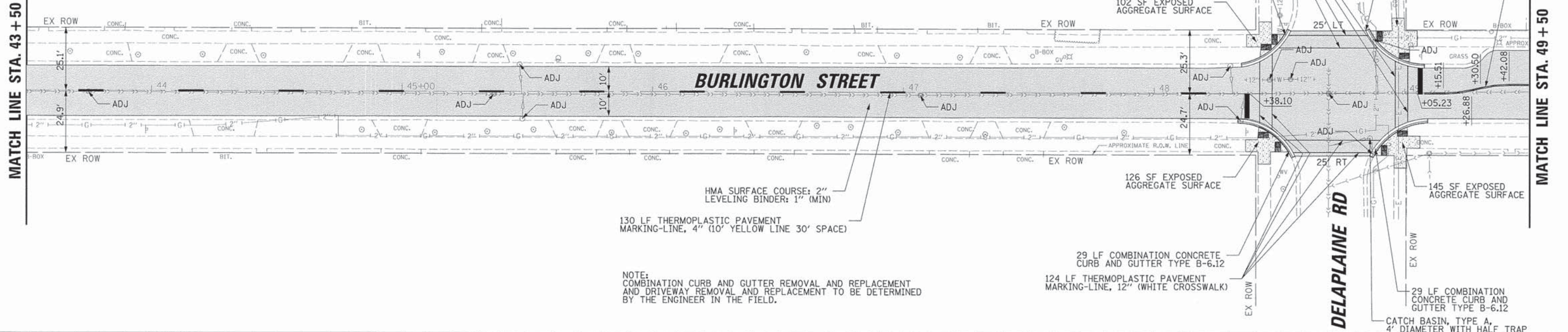


PLAN	DATE
BY	
NO.	
NO.	
NO.	

PROFILE	DATE
BY	
NO.	
NO.	
NO.	

**LEGEND**

[Pattern]	3" HMA SURFACE/LEVEL BINDER
[Pattern]	FULL DEPTH PAVEMENT
[Pattern]	PCC DRIVEWAY
[Pattern]	DETECTABLE WARNING
[Pattern]	EXPOSED AGG SURFACE
[Pattern]	CONC PAVERS, TYPE A
[Pattern]	CONC PAVERS, TYPE B
[Pattern]	HIGH VISIBILITY PRINTED CROSS WALK
[Pattern]	4" AGGREGATE SUBGRADE INCLUDED IN PRICE



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	PLOT DATE = 8/17/2015	DATE -	REVISED -	ILLINOIS FED. AID PROJECT				

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ROADWAY PLAN AND PROFILE  
BURLINGTON STREET

SCALE: 20' SHEET 7 OF 9 SHEETS STA. 43+50 TO STA. 49+50

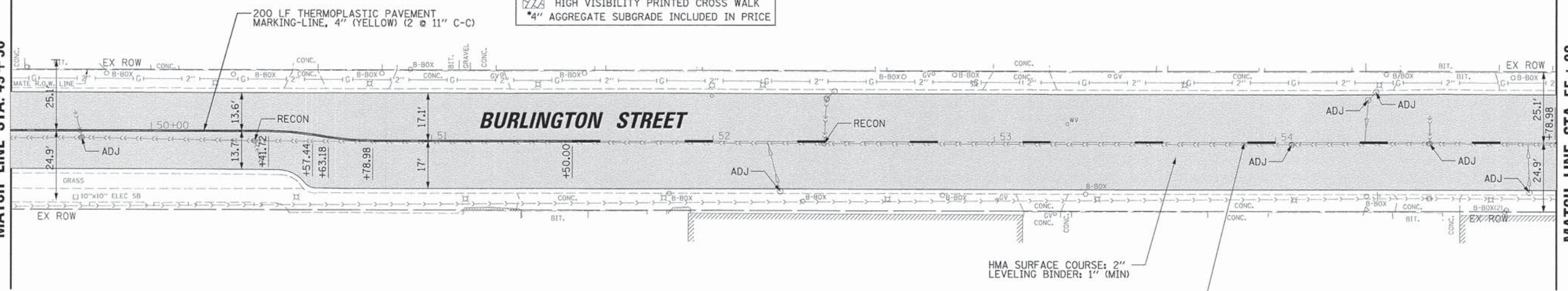
DATE	
BY	
PLAN	
SURVEYED	
ADJUSTMENT CHECKED	
NOTE BOOK NO.	
ADD FILE NAME	

DATE	
BY	
PROFILE	
SURVEYED	
GRADES CHECKED	
NOTE BOOK NO.	
STRUCTURE NOTATION	

**LEGEND**

- 3" HMA SURFACE/LEVEL BINDER
- FULL DEPTH PAVEMENT
- PCC DRIVEWAY
- DETECTABLE WARNING
- EXPOSED AGG SURFACE
- CONC PAVERS, TYPE A
- CONC PAVERS, TYPE B
- HIGH VISIBILITY PRINTED CROSS WALK
- 4" AGGREGATE SUBGRADE INCLUDED IN PRICE

MATCH LINE STA. 49+50

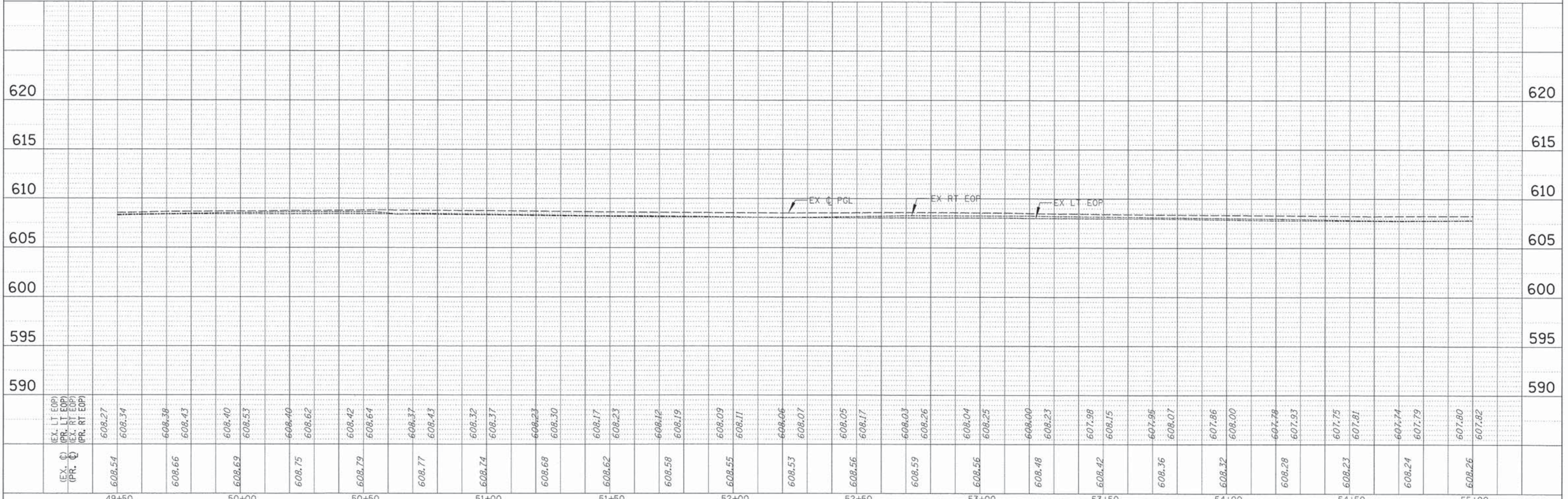


MATCH LINE STA. 55+00

HMA SURFACE COURSE: 2"  
LEVELING BINDER: 1" (MIN)

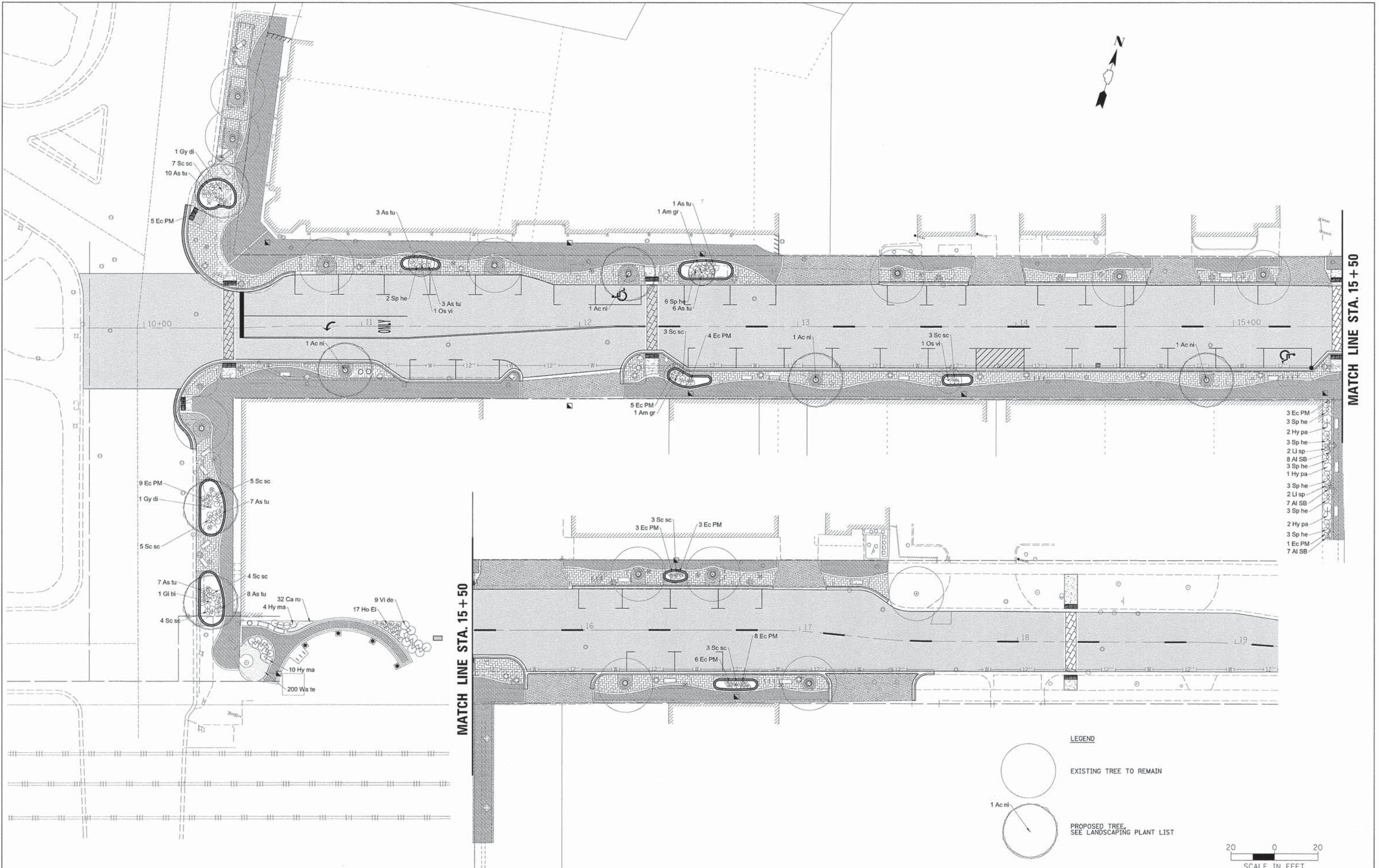
90 LF THERMOPLASTIC PAVEMENT  
MARKING-LINE, 4" (10' YELLOW LINE 30' SPACE)

NOTE:  
COMBINATION CURB AND GUTTER REMOVAL AND REPLACEMENT  
AND DRIVEWAY REMOVAL AND REPLACEMENT TO BE DETERMINED  
BY THE ENGINEER IN THE FIELD.




FILE NAME =	USER NAME = pmagnelli	DESIGNED - OCG	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>ROADWAY PLAN AND PROFILE BURLINGTON STREET</b>	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N:\RIVERSIDE\138490\CADD\138490B-138490B.dwg	PLOT SCALE = 20'	DRAWN - PMM	REVISED -			1472	12-00080-00-RS	COOK	49	20
Default	PLOT DATE = 8/17/2015	CHECKED - OCG	REVISED -			SCALE: 20' SHEET 8 OF 9 SHEETS STA. 49+50 TO STA. 55+00		CONTRACT NO. 61853		
		DATE -	REVISED -			ILLINOIS FED. AID PROJECT				

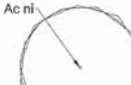




- 3 Ec PM
- 3 Sp he
- 2 Hy pa
- 3 Sp he
- 2 Li sp
- 8 Al SB
- 3 Sp he
- 1 Hy pa
- 3 Sp he
- 2 Li sp
- 7 Al SB
- 3 Sp he
- 2 Hy pa
- 3 Sp he
- 1 Ec PM
- 7 Al SB

**LEGEND**

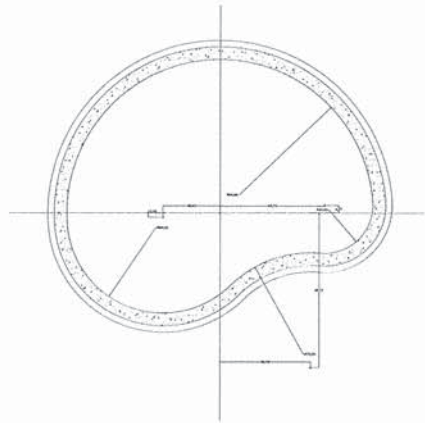
 EXISTING TREE TO REMAIN

 PROPOSED TREE, SEE LANDSCAPING PLANT LIST

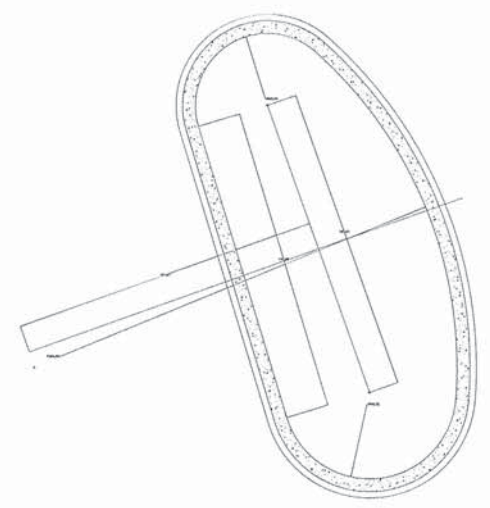


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Default	PLOT SCALE = 28"	CHECKED - OCG	REVISED -			SCALE: 20'	SHEET 1 OF 1 SHEETS	STA. 10+00	TO STA. 20+00	CONTRACT NO. 61B53		
	PLOT DATE = 8/17/2015	DATE -	REVISED -			ILLINOIS FED. AID PROJECT						

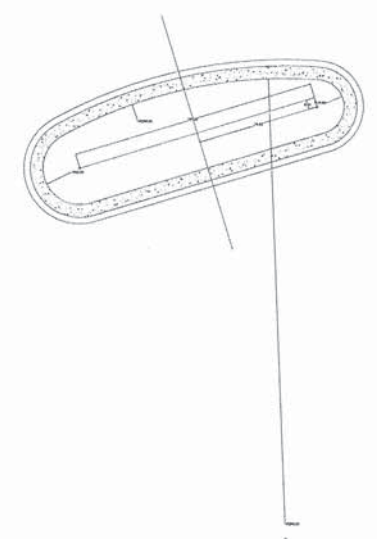




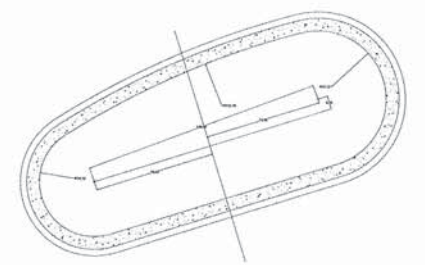
**PLANTER DETAIL**  
STA 10+33.47, 59.72' LT



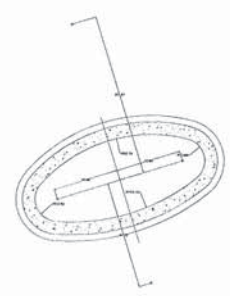
**PLANTER DETAIL**  
STA 10+30.60, 82.19' RT  
STA 10+30.22, 124.17' RT



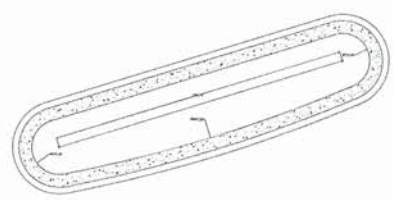
**PLANTER DETAIL**  
STA 12+27.31, 28.61' LT



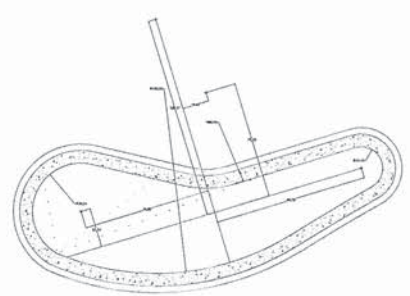
**PLANTER DETAIL**  
STA 12+57.96, 25.69' LT



**PLANTER DETAIL**  
STA 16+43.05, 24.76' LT



**PLANTER DETAIL**  
STA 16+70.69, 25.02' RT



**PLANTER DETAIL**  
STA 12+51.85, 24.69' RT

FILE NAME =	USER NAME = pmagnelli	DESIGNED - OCG	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PLANTER DETAILS BURLINGTON STREET</b>			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N:\RIVERSIDE\138490\Civil\11\SPDE12-138490.dwg		DRAWN - PMM	REVISED -					1472	12-00080-00-RS	COOK	49	24
Default	PLOT SCALE = 1/8" = 1'-0"	CHECKED - OCG	REVISED -		SCALE: 100' SHEET 1 OF 1 SHEETS STA. TO STA.			CONTRACT NO. 61B53				
	PLOT DATE = 8/17/2015	DATE -	REVISED -		ILLINOIS FED. AID PROJECT							



## LIGHTING GENERAL NOTES

1. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING A PERMIT FROM THE VILLAGE OF RIVERSIDE BEFORE THE START OF WORK, ANY COST FOR PERMIT SHALL BE INCIDENTAL.
2. 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.
3. BEFORE INSTALLING LIGHT STANDARDS NEAR OVERHEAD AND UNDERGROUND ELECTRIC UTILITIES SHALL CALL COM ED FOR LOCATION APPROVAL AND MINIMUM CLEARANCE REQUIREMENTS.
4. THE WORK PERFORMED UNDER THIS CONTRACT SHALL IN NO WAY INTERFERE WITH THE NORMAL OPERATION OF ANY EXISTING UTILITY SERVICE. THE CONTRACTOR SHALL FURNISH ALL NECESSARY ITEMS OF EQUIPMENT REQUIRED TO MAINTAIN SUCH NORMAL OPERATION AT NO ADDITIONAL COST TO THE OWNER. THE COST ASSOCIATED FOR THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THE COST OF THE CONTRACT, AND NO ADDITIONAL COMPENSATION SHALL BE AWARDED.
5. ALL REMOVAL OR EXCAVATION ITEMS BEING DISPOSED OF AT AN UNCONTAMINATED SOIL FILL OPERATION OR CLEAN CONSTRUCTION AND DEMOLITION DEBRIS (CCDD) FILL SITE SHALL MEET THE REQUIREMENTS OF PUBLIC ACT 96-1416. ALL COSTS ASSOCIATED WITH MEETING THESE REQUIREMENTS SHALL BE INCLUDED IN THE UNIT PRICE COST FOR THE ASSOCIATED REMOVAL OR EXCAVATION ITEMS IN THE CONTRACT. THESE COSTS SHALL INCLUDE BUT ARE NOT LIMITED TO ALL REQUIRED TESTING, LAB ANALYSIS, CERTIFICATION BY A LICENSED PROFESSIONAL ENGINEER, AND STATE AND LOCAL TIPPING FEE.
6. ALL DISTURBED AREAS WHERE RESTORATION IS NOT COVERED BY APPLICABLE SECTIONS OF THE SPECIAL PROVISIONS MUST BE RESTORED TO THE SATISFACTION OF THE ENGINEER. THE WORK WILL BE CONSIDERED INCIDENTAL TO THE CONTRACT. SEPARATE PAYMENT WILL NOT BE MADE.
7. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR JOB SITE SAFETY AS WELL AS SUPERVISION/DIRECTION AND MEANS/METHODS OF CONSTRUCTION.
8. 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.
9. NO MATERIALS SHALL BE DELIVERED TO THE JOB SITE UNTIL ALL PERTINENT EQUIPMENT SUBMITTALS HAVE BEEN REVIEWED BY THE ENGINEER.
10. CAST A GROUND ROD INSIDE EVERY CONCRETE POLE FOUNDATION AND CONNECT TO THE POLE GROUNDING LUG VIA A #6 SOLID COPPER WIRE WITH A MECHANICAL CONNECTION AT THE GROUND ROD AND PIGTAIL SPLICE INSIDE THE POLE HANDHOLE.
11. 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.
12. 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.
13. 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.
14. ALL POLE HANDHOLES SHALL FACE AWAY FROM TRAFFIC OR AWAY FROM ROAD.
15. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE ESTABLISHMENT OF THE TOP OF FOUNDATION ELEVATION WITH THE FINISHED GRADE.
16. EQUIPMENT GROUND CONDUCTORS SHALL BE SPLICED AND BONDED AT EACH LIGHT POLE OR OTHER PIECE OF EQUIPMENT.
17. 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.
18. 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.
19. 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.
20. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TIMELY NOTIFICATION AND ALL COORDINATION WITH COM ED FOR NEW ELECTRIC SERVICE TO THE PROPOSED LIGHTING CONTROLLER.

## LIGHTING BILL OF MATERIALS

CODE NUMBER	DESCRIPTION	UNIT	QUANTITY
20800150	TRENCH BACKFILL	CU YD	155
80400100	ELECTRIC SERVICE INSTALLATION	EACH	1
* 80400200	ELECTRIC UTILITY SERVICE CONNECTION	L SUM	1
81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	20
81028240	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	60
81028710	UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 3/4" DIA.	FOOT	1550
81028720	UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 1" DIA.	FOOT	2130
81028750	UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 2" DIA.	FOOT	200
81702100	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 12	FOOT	1900
81702110	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 10	FOOT	4640
81702120	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 8	FOOT	680
81702130	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 6	FOOT	8510
81702180	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 3/0	FOOT	210
82500370	LIGHTING CONTROLLER, BASE MOUNTED, 240 VOLT, 200 AMP	EACH	1
83600200	LIGHT POLE FOUNDATION, 24" DIAMETER	FOOT	42
84200500	REMOVAL OF LIGHTING UNIT, SALVAGE	EACH	1
84200804	REMOVAL OF POLE FOUNDATION	EACH	4
84400105	RELOCATE EXISTING LIGHTING UNIT	EACH	3
84500110	REMOVAL OF LIGHTING CONTROLLER	EACH	1
84500120	REMOVAL OF ELECTRIC SERVICE INSTALLATION	EACH	1
89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	1800
* 89502380	REMOVE EXISTING HANDHOLE	EACH	1
* X0324058	OUTLET SPECIAL	EACH	16
* X0324390	FLOOD LIGHTING UNIT	EACH	14
* X0326498	GFCI 20 AMP DUPLEX RECEPTACLE	EACH	10
* X0326654	ORNAMENTAL LIGHT UNIT, COMPLETE	EACH	2
* X8140105	HANDHOLE (SPECIAL)	EACH	21
* X8140230	HANDHOLE, COMPOSITE CONCRETE (SPECIAL)	EACH	10
* X8250500	LIGHTING UNIT COMPLETE, SPECIAL	EACH	2
* Z0004002	BOLLARDS	EACH	6
*Z0033024	MAINTAIN EXISTING LIGHTING SYSTEM	L SUM	1

### ABBREVIATIONS

A	AMPS
BOC	BACK OF CURB
CKT	CIRCUIT
DIA	DIAMETER
FT	FOOT
FOC	FACE OF CURB
GFCI	GROUND FAULT CIRCUIT INTERRUPTER
GND	GROUND
HDPE	HIGH DENSITY POLYETHYLENE
HH	HAND HOLE
N	NEUTRAL
PVC	POLYVINYL CHLORIDE
REL	RELOCATED
RGS	RIGID GALVANIZED STEEL
ROW	RIGHT OF WAY
STA	STATION
V	VOLTS
W	WATTS

#### 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.



**LEGEND**

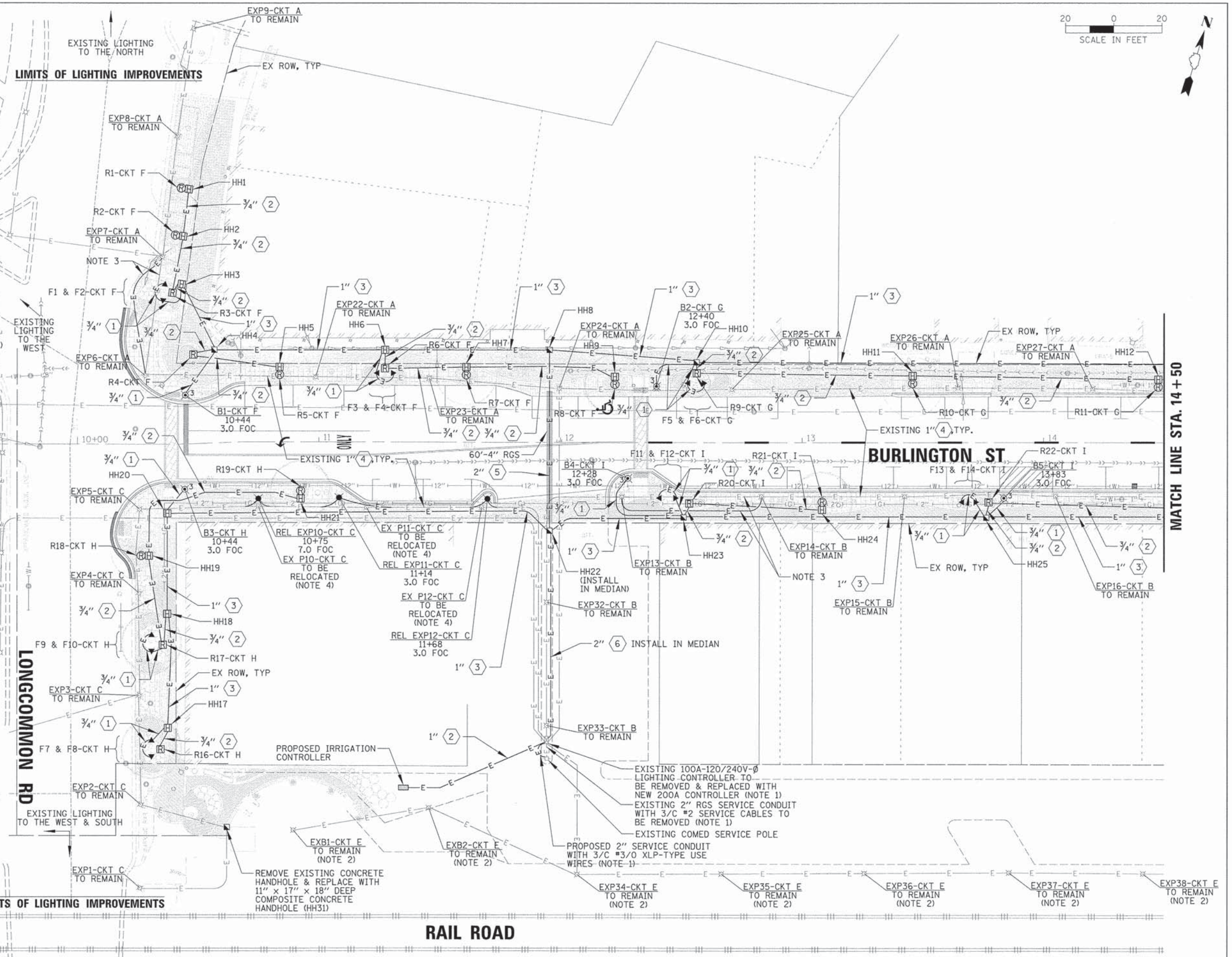
- 1 PROPOSED 30W LED LUMINAIRE ON 8'-6" DECORATIVE GATEWAY POLE
- 2 PROPOSED 30W LED LUMINAIRE ON 10' DECORATIVE PLAZA POLE
- 3 PROPOSED 23W LED DECORATIVE BOLLARD
- 4 EXISTING 100W METAL HALIDE LUMINAIRE ON 8'-6" DECORATIVE POLE
- 5 PROPOSED 9W LED TREE UPLIGHT
- 6 PROPOSED 11" x 17" COMPOSITE CONCRETE HANDHOLE
- 7 PROPOSED 12" x 12" COMPOSITE CONCRETE HANDHOLE
- 8 PROPOSED TREE GRATE GFCI RECEPTACLE
- 9 PROPOSED RAISED PLANTER GFCI RECEPTACLE
- E— PROPOSED CONDUIT
- E— EXISTING CONDUIT
- POLE/DECORATIVE POLE/BOLLARD IDENTIFIER
- P1-CKT A CIRCUIT IDENTIFIER (EXP - EX. POLE)  
(P - PROP. POLE)  
(B - PROP. BOLLARD)  
(R - PROP. RECEPTACLE)  
(F - PROP. FLOOD LIGHT)
- 00+00 STATION
- 3.0 FOC SET BACK (FROM FOC TO C OF POLE)

**CONDUCTOR SCHEDULE**

- 1 1/C #12, 1/C #12 N & 1/C #12 GND
- 2 1/C #10, 1/C #10 N & 1/C #10 GND
- 3 1/C #6, 1/C #6 N & 1/C #6 GND
- 4 2/C #6 & 1/C #8 GND
- 5 2/C #6, 2/C #6 N & 1/C #6 GND
- 6 4/C #6, 4/C #6 N & 1/C #6 GND

**NOTES:**

1. EXISTING CONTROLLER & SERVICE CONDUIT/WIRE SHALL BE DISCONNECTED, REMOVED & DISPOSED OF. NEW CONTROLLER WITH SERVICE CONDUIT/WIRE SHALL BE INSTALLED. EXISTING CONCRETE PAD SHALL BE REUSED. CONTRACTOR SHALL COORDINATE WORK WITH COMED TO DE-ENERGIZE EXISTING SERVICE & INSTALL/CONNECT NEW CONTROLLER AND ENERGIZE NEW SERVICE SAME DAY SO ALL LIGHTS REMAIN FUNCTIONAL EVERY NIGHT.
2. EXISTING CIRCUIT "B" HAS TWO CIRCUITS CONNECTED TO ONE BREAKER. CONTRACTOR SHALL RE-CONNECT CIRCUIT ALONG RAILROAD TO CIRCUIT "E" BREAKER IN NEW CONTROLLER.
3. EXISTING LIGHTING CONDUIT/WIRE IN CONFLICT WITH PROPOSED RAISED PLANTER. REROUTE CONDUIT BY ADDING/SPLICING CONDUIT AS REQUIRED & INSTALL NEW SPANS OF WIRE FROM POLE TO POLE. OTHER AREAS WITH MINIMAL CONFLICT, CONTRACTOR SHALL EXPOSE ENOUGH DUCT & SWING OUT OF THE WAY AS REQUIRED. ALL LIGHTS SHALL REMAIN FUNCTIONAL EVERY NIGHT.
4. EXISTING LIGHT POLE SHALL BE DISCONNECTED, REMOVED & RELOCATED ON NEW FOUNDATION WHERE SHOWN. EXISTING WIRING & FOUNDATION SHALL BE REMOVED AND DISPOSED OF. CONTRACTOR SHALL PROVIDE CONDUIT EXTENSIONS AS REQUIRED AND SHALL INSTALL NEW SPANS OF 2/C #6 & 1/C #8 GND FROM POLE TO POLE AND POLE TO CONTROLLER. ALL LIGHTS SHALL BE FUNCTIONAL EVERY NIGHT.



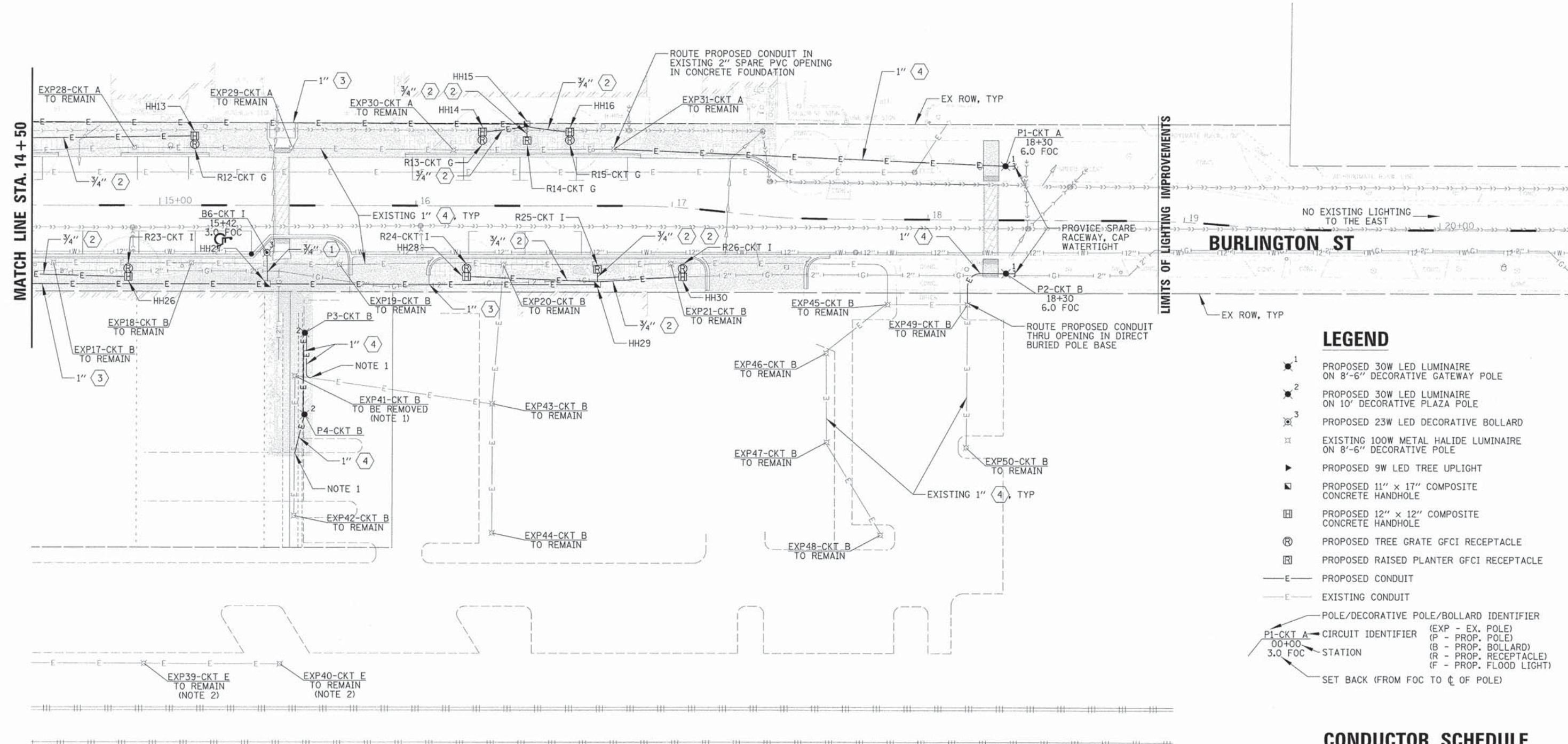
MATCH LINE STA. 14 + 50

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**LIGHTING /ELECTRICAL PLAN  
BURLINGTON STREET**

FILE NAME =	USER NAME = pmagne11	DESIGNED - AJD	REVISED -	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N:\RIVERSIDE\130498\Mach\130498_02_1.G11.dwt		DRAWN - LRR	REVISED -	1472	12-00080-00-RS	COOK	49	26
DeFault	PLOT SCALE = 20'	CHECKED - AJD	REVISED -	CONTRACT NO. 61B53				
	PLOT DATE = 8/17/2015	DATE -	REVISED -	ILLINOIS FED. AID PROJECT				

SCALE: 20' SHEET 1 OF 2 SHEETS STA. 10+00 TO STA. 14+50



- ### LEGEND
- 1 PROPOSED 30W LED LUMINAIRE ON 8'-6" DECORATIVE GATEWAY POLE
  - 2 PROPOSED 30W LED LUMINAIRE ON 10' DECORATIVE PLAZA POLE
  - 3 PROPOSED 23W LED DECORATIVE BOLLARD
  - 4 EXISTING 100W METAL HALIDE LUMINAIRE ON 8'-6" DECORATIVE POLE
  - 5 PROPOSED 9W LED TREE UPLIGHT
  - 6 PROPOSED 11" x 17" COMPOSITE CONCRETE HANDHOLE
  - 7 PROPOSED 12" x 12" COMPOSITE CONCRETE HANDHOLE
  - 8 PROPOSED TREE GRATE GFCI RECEPTACLE
  - 9 PROPOSED RAISED PLANTER GFCI RECEPTACLE
  - E— PROPOSED CONDUIT
  - E— EXISTING CONDUIT
  - POLE/DECORATIVE POLE/BOLLARD IDENTIFIER
  - P1-CKT A CIRCUIT IDENTIFIER (EXP - EX. POLE) (P - PROP. POLE) (B - PROP. BOLLARD) (R - PROP. RECEPTACLE) (F - PROP. FLOOD LIGHT)
  - 00+00 STATION
  - 3.0 FOC
  - SET BACK (FROM FOC TO C OF POLE)

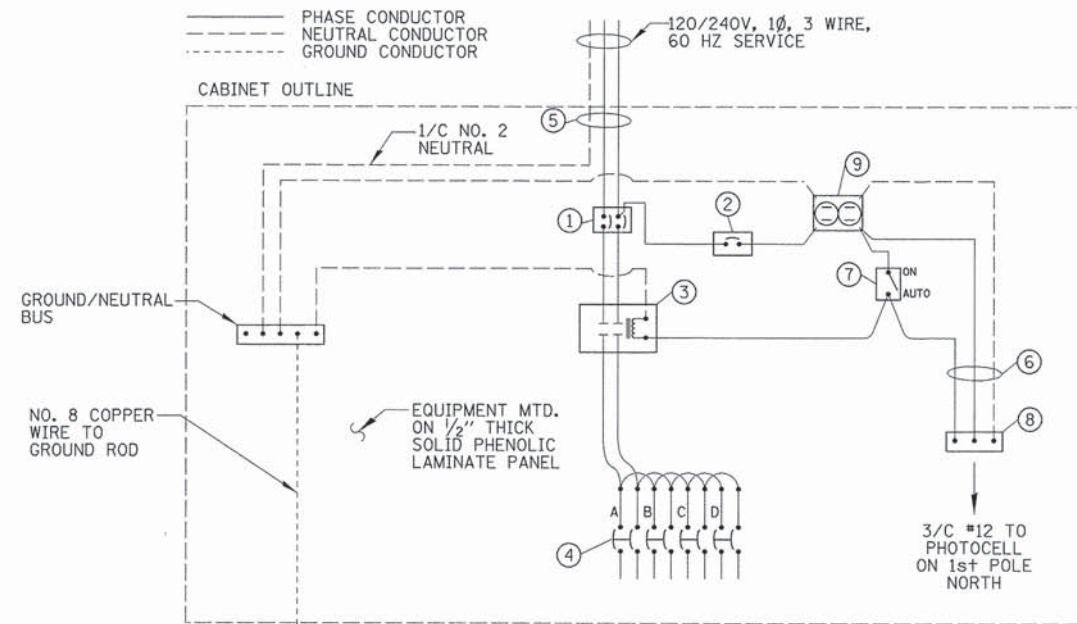
### CONDUCTOR SCHEDULE

1	1/C #12, 1/C #12 N & 1/C #12 GND
2	1/C #10, 1/C #10 N & 1/C #10 GND
3	1/C #6, 1/C #6 N & 1/C #6 GND
4	2/C #6 & 1/C #8 GND
5	2/C #6, 2/C #6 N & 1/C #6 GND
6	4/C #6, 4/C #6 N & 1/C #6 GND

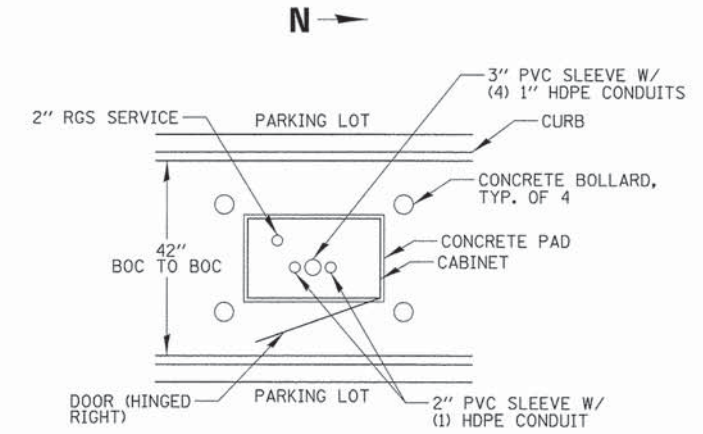
- ### NOTES:
- EXISTING LIGHT POLE SHALL BE DISCONNECTED, REMOVED & RETURNED TO VILLAGE, CONTRACTOR TO COORDINATE. EXISTING WIRING & CONCRETE FOUNDATION SHALL BE REMOVED & DISPOSED OF. CONTRACTOR SHALL PROVIDE CONDUIT EXTENSIONS AS REQUIRED AND INSTALL NEW SPANS OF 2/C #6 & 1/C #8 GND FROM POLE TO POLE. ALL POLES SHALL BE FUNCTIONAL EVERY NIGHT.
  - EXISTING CIRCUIT "B" HAS TWO CIRCUITS CONNECTED TO ONE BREAKER. CONTRACTOR SHALL RE-CONNECT CIRCUIT ALONG RAILROAD TO CIRCUIT "E" BREAKER IN NEW CONTROLLER.

ITEM	SPECIFICATION
① MAIN CIRCUIT BREAKER	100 AMPERE, 2P, 240V SERVICE RATING
② CONTROL CIRCUIT BREAKER	15 AMPERE, 1P, 120V RATING
③ CONTACTOR	100 AMPERE, 2P, 120V COIL, ELECTRICALLY HELD
④ BRANCH LINE CIRCUIT BREAKERS	4-50A, 2P, 240V RATING
⑤ SERVICE CABLES	3-600V NO. #2
⑥ CONTROL WIRE	600V XLP NO. 12
⑦ HAND-AUTO CONTROL SWITCH	20A, 2 POS. MTD IN SINGLE GANG BOX
⑧ TERMINAL BLOCK - PHOTOCELL	3 TERMINAL, SCREW TYPE
⑨ CABINET RECEPTACLE AND BOX	20A/120V, MOUNTED IN A SINGLE GANG BOX

**EXISTING LIGHTING CONTROLLER COMPONENT SCHEDULE**



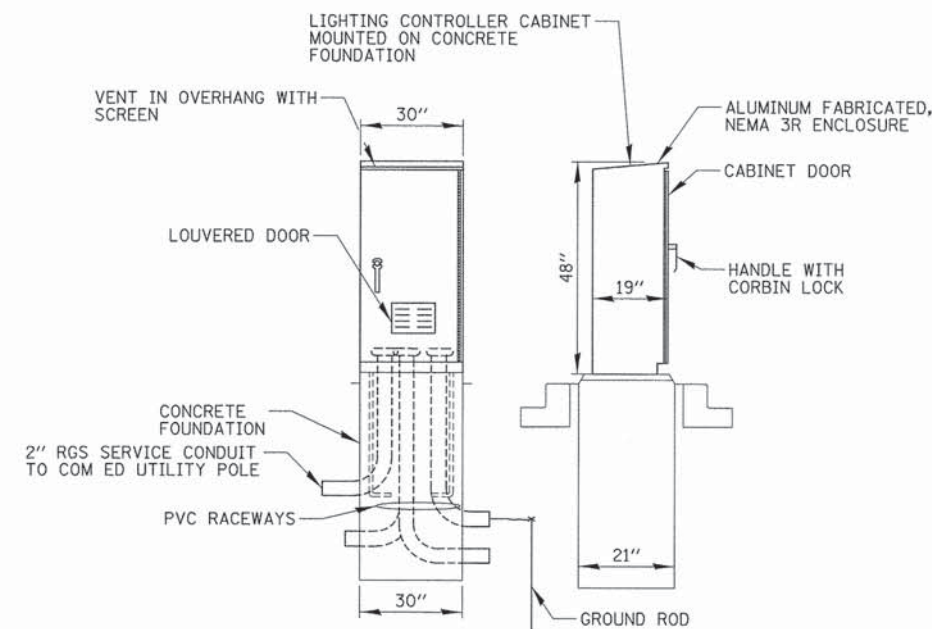
**EXISTING LIGHTING CONTROLLER WIRING DETAIL**  
N.T.S.



**PLAN VIEW EXISTING CONTROLLER PAD ORIENTATION**  
N.T.S.

EXISTING LIGHTING CONTROLLER						
CIRCUIT ID (INSULATION COLOR)	100W BOLLARD		100W LUMINAIRE		TOTAL CIRCUIT LOAD	
	QTY.	LOAD/FIXT. (WATTS)	QTY.	LOAD/FIXT. (WATTS)	(WATTS)	AMPS (VOLTS)
A	0	150 W	28	150 W	4,200 W	17.5A (240V)
B	0	150 W	21	150 W	3,150 W	13.1A (240V)
B1	2	150 W	7	150 W	1,350 W	5.6A (240V)
C	0	150 W	12	150 W	1,800 W	7.5A (240V)
D	0	150 W	21	150 W	3,150 W	13.1A (240V)
TOTAL	2	N/A	89	N/A	13,650 W	56.9A (240V)

**ELECTRICAL LIGHTING/ELECTRICAL CIRCUIT LOADS**



**EXISTING LIGHTING CONTROLLER CABINET AND FOUNDATION**  
N.T.S.

NOTES:  
1. THE EXISTING CONTROLLER & ELECTRIC SERVICE CONDUIT/WIRE SHALL BE DISCONNECTED, REMOVED & DISPOSED OF. ALL EXISTING LIGHT POLES SHALL BE FUNCTIONAL EVERY NIGHT.

ITEM	SPECIFICATION
① MAIN CIRCUIT BREAKER	200 AMPERE, 2P, 240V SERVICE RATING, 10KAIC
② LAMPHOLDER CIRCUIT BREAKER	20 AMPERE, 1P, 120V RATING, 10KAIC
③ PHOTOELECTRIC CONTROL CIRCUIT BREAKER	15 AMPERE, 1P, 120V RATING, 10KAIC
④ AUXILIARY RELAY	120 V OPERATED DPDT 60 HZ COIL 2 NO & 2 NC CONTACTS
⑤ CABINET RECEPTACLE AND BOX	COMMERCIAL GRADE GFCI 20A/120V, MOUNTED IN A WEATHERPROOF CAST ALUMINUM SINGLE GANG BOX WITH WEATHERPROOF COVER
⑥ CABINET LIGHT AND BOX	120V WEATHERPROOF LAMPHOLDER MOUNTED IN A CAST ALUMINUM BOX & EXT. GRADE 100W LAMP
⑦ CONTACTOR	200 AMPERE, 2P, 120V COIL, MECHANICALLY HELD
⑧ BRANCH LINE CIRCUIT BREAKERS	6-40A, 2P, 240V RATING, 10KAIC 5-20A, 1P, 120V RATING, 10KAIC
⑨ POWER DISTRIBUTION BLOCK	600 VOLT, INSULATED, SIZE AS REQ'D, 10KAIC
⑩ SERVICE CABLES	3-600V (XLP-TYPE USE) NO. #3/0
⑪ LAMPHOLDER WIRE	2-600V XLP NO. 12
⑫ CONTROL WIRE	2-600V XLP NO. 12
⑬ SURGE ARRESTOR	10 K AMPERE RATING
⑭ PHOTOELECTRIC CONTROL WIRE	3-600V XLP NO. 12
⑮ DOOR SWITCH	20A/120V, DOOR MOUNTED SNAP ACTION TYPE PLUNGER SWITCH
⑯ HAND-AUTO-OFF CONTROL SWITCH	20A, 2 POS. MTD IN CAST ALUM. ENCLOSURE
⑰ IRRIGATION CIRCUIT BREAKER	15 AMPERE, 1P, 120V RATING, 10KAIC
⑱ TERMINAL BLOCK - PHOTOCCELL	3 TERMINAL, SCREW TYPE, MAX. #10 WIRE SIZE
⑲ CIRCUIT BREAKER DIST. BLOCKS	30A, 600V, 10 KAIC - WIRE RANGE: LINE SIDE LUG (1) #2/0-#14 AWG, LOAD SIDE LUGS (2) #4-#14 AWG

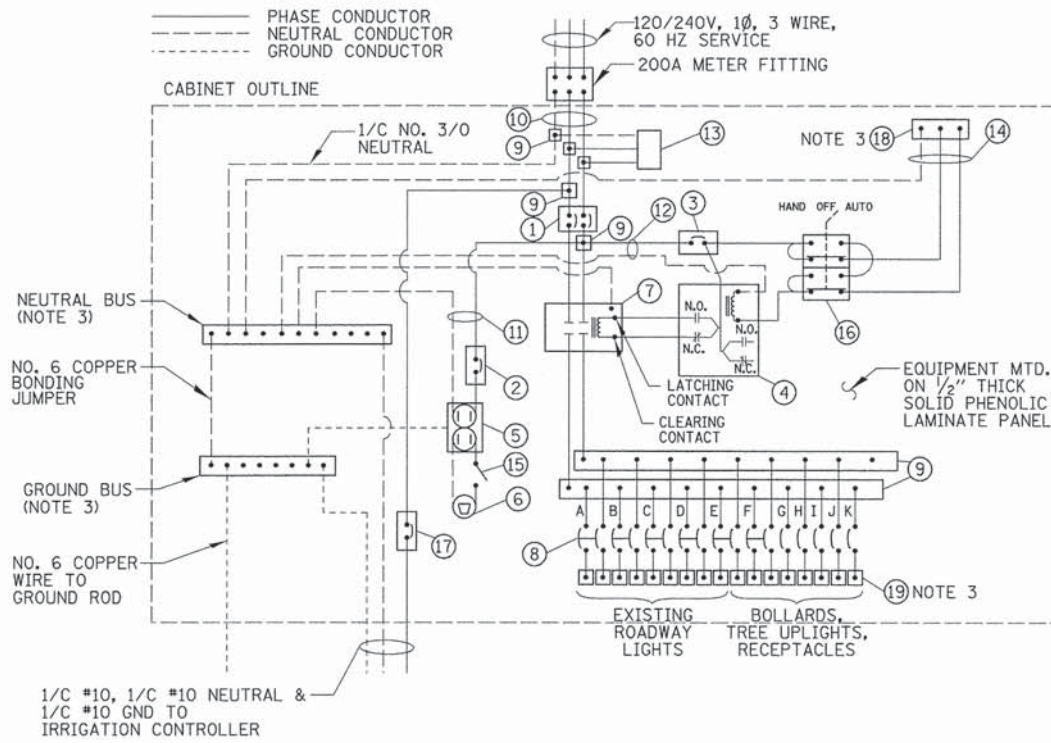
**NOTES:**

- ALL ITEMS LISTED IN LIGHTING CONTROLLER COMPONENT SCHEDULE SHALL BE CONSIDERED INCIDENTAL TO THE PRICE BID FOR "LIGHTING CONTROLLER, BASE MOUNTED, 240 VOLT, 200 AMP" INCLUDING CABINET AND FOUNDATION.
- THE LIGHTING CONTROLLER TOGETHER WITH ALL OF ITS COMPONENTS SHALL BE UL LISTED AS AN "ENCLOSED INDUSTRIAL CONTROL PANEL" UNDER UL508A.
- THE MAIN CIRCUIT BREAKER & IRRIGATION BREAKER SHALL BE LABELED "SERVICE DISCONNECT".
- ALL SWITCHES AND CONTROLS SHALL BE IDENTIFIED USING TWO COLOR ENGRAVED NAMEPLATES.
- THE PANEL MANUFACTURER SHALL LABEL THE CABINET WITH THE APPROPRIATE ARC FLASH WARNING AND PERSONNEL PROTECTION EQUIPMENT REQUIRED FOR SERVICING.
- ALL EXPOSED BUS BARS SHALL BE INSULATED.
- ALL WIRING SHALL BE COPPER.

**LIGHTING CONTROLLER COMPONENT SCHEDULE**

CIRCUIT ID (INSULATION COLOR)	9W LED TREE UPLIGHT		23W LED BOLLARD		30W LED LUMINAIRE		180W GFCI RECEPTACLE		EXISTING 100W BOLLARD		EXISTING 100W LUMINAIRE		TOTAL CIRCUIT LOAD	
	QTY.	LOAD/FIXT. (WATTS)	QTY.	LOAD/FIXT. (WATTS)	QTY.	LOAD/FIXT. (WATTS)	QTY.	LOAD/FIXT. (WATTS)	QTY.	LOAD/FIXT. (WATTS)	QTY.	LOAD/FIXT. (WATTS)	(WATTS)	AMPS (VOLTS)
A	0	9 W	0	23 W	1	30 W	0	180 W	0	150 W	28	150 W	4,230 W	17.6A (240V)
B	0	9 W	0	23 W	3	30 W	0	180 W	0	150 W	20	150 W	3,090 W	12.9A (240V)
C	0	9 W	0	23 W	0	30 W	0	180 W	0	150 W	12	150 W	1,800 W	7.5A (240V)
D	0	9 W	0	23 W	0	30 W	0	180 W	0	150 W	21	150 W	3,150 W	13.1A (240V)
E	0	9 W	0	23 W	0	30 W	0	180 W	2	150 W	7	150 W	1,350 W	5.6A (240V)
F	4	9 W	1	23 W	0	30 W	8	180 W	0	150 W	0	150 W	1,499 W	12.5A (120V)
G	2	9 W	1	23 W	0	30 W	7	180 W	0	150 W	0	150 W	1,301 W	10.8A (120V)
H	4	9 W	1	23 W	0	30 W	4	180 W	0	150 W	0	150 W	779 W	6.5A (120V)
I	4	9 W	3	23 W	0	30 W	7	180 W	0	150 W	0	150 W	1,365 W	11.4A (120V)
TOTAL	14	N/A	6	N/A	4	N/A	26	N/A	2	N/A	88	N/A	18,564 W	77.4A (240V)

**PROPOSED LIGHTING/ELECTRICAL CIRCUIT LOADS**

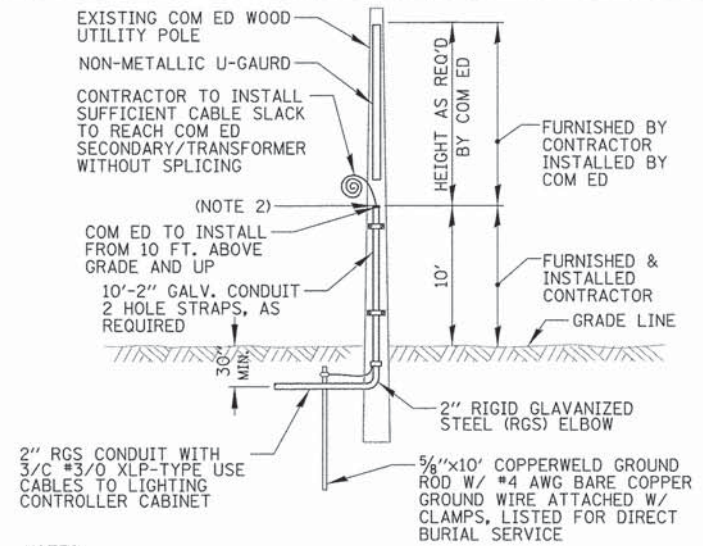


**NOTES:**

- ALL GROUND CONDUCTORS SHALL BE GREEN AND NEUTRAL CONDUCTORS SHALL BE WHITE. PHASE CONDUCTORS SHALL BE COLOR CODED IN ACCORDANCE WITH SECTION 1066.02 OF THE STANDARD SPECIFICATIONS. CONTRACTOR SHALL ONLY USE SOLID COLOR CODED INSULATIONS. COLOR STRIPPING OF PHASE CONDUCTORS SHALL NOT BE ALLOWED.
- IN ADDITION TO THE TERMINATIONS SHOWN, THE NEUTRAL AND GROUND BUS BARS SHALL EACH ACCOMMODATE A MINIMUM OF 8 ADDITIONAL TERMINATIONS (#2-#14).
- LOCATE ITEM NEAR BOTTOM OF CABINET.

**LIGHTING CONTROLLER WIRING DETAIL**

N.T.S.

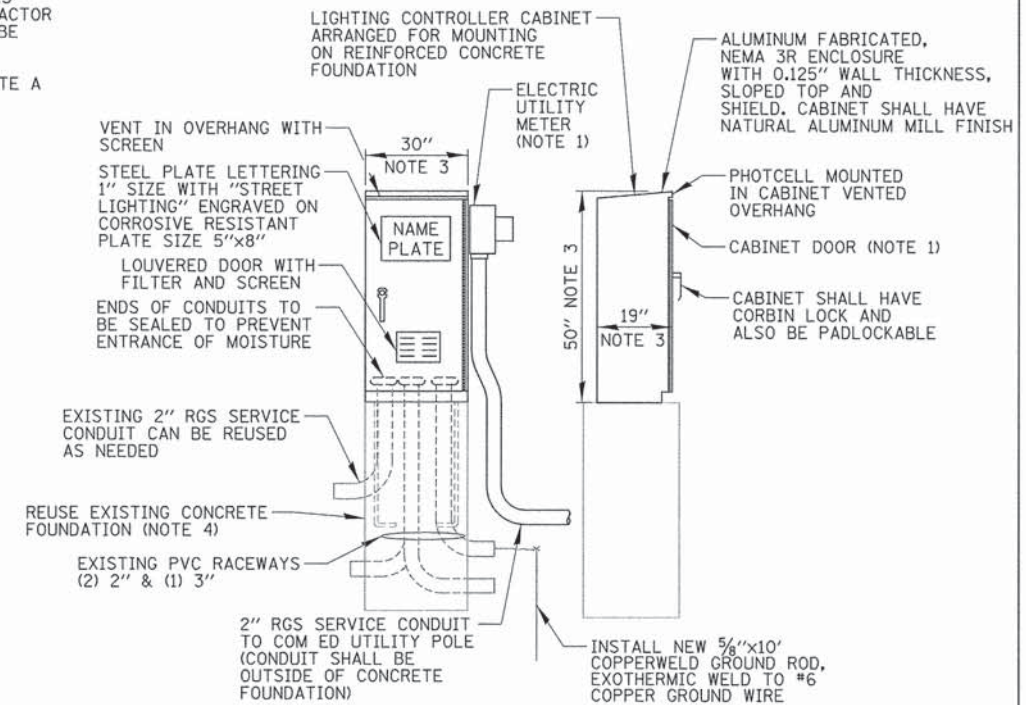


**NOTES:**

- ALL WORK SHALL CONFORM TO COM ED'S BOOK OF "INFORMATION AND REQUIREMENTS FOR THE SUPPLY OF ELECTRIC SERVICE."
- CONTRACTOR SHALL PROVIDE CONDUIT BUSHING AND SEALING COMPOUND AT TOP OF RISER.
- ALL MATERIAL ABOVE (EXCEPT FOR POLE) SHALL BE INCLUDED IN THE PRICE BID FOR "ELECTRIC SERVICE INSTALLATION". THE HORIZONTAL SERVICE CONDUIT AND WIRING FROM POLE TO CONTROLLER SHALL BE PAID FOR SEPARATELY.

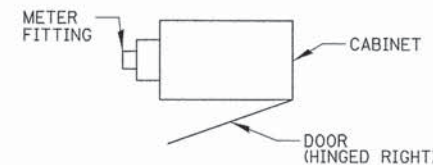
**COM ED OVERHEAD CONNECTION POLE**

N.T.S.



**NOTES:**

- SEE DETAIL THIS SHEET FOR CABINET METER FITTING & DOOR ORIENTATION. METER AND DISCONNECT SHALL BE CECHA APPROVED.
- ALL ITEMS SHOWN ABOVE (INCLUDING ELECTRIC METER, GROUND ROD & DRILLING FOUNDATION) SHALL BE INCLUDED IN THE PRICE BID FOR "LIGHTING CONTROLLER, BASE MOUNTED, 240 VOLT, 200 AMP", EXCEPT FOR THE SERVICE CONDUIT/WIRE WHICH WILL BE PAID FOR SEPARATELY.
- CABINET DIMENSIONS SHOWN ARE MAXIMUM SIZE ALLOWED, CABINET SHALL BE INSTALLED ON EXISTING 30" x 21" CONCRETE PAD.
- CONTRACTOR SHALL INSTALL PROPOSED CONTROLLER ON EXISTING CONCRETE FOUNDATION. EXISTING ANCHOR BOLTS SHALL BE REMOVED & REPLACED WITH NEW STAINLESS STEEL EXPANSION TYPE. CONTRACTOR SHALL DRILL EXISTING FOUNDATION AS REQUIRED FOR PROPOSED CONDUIT.

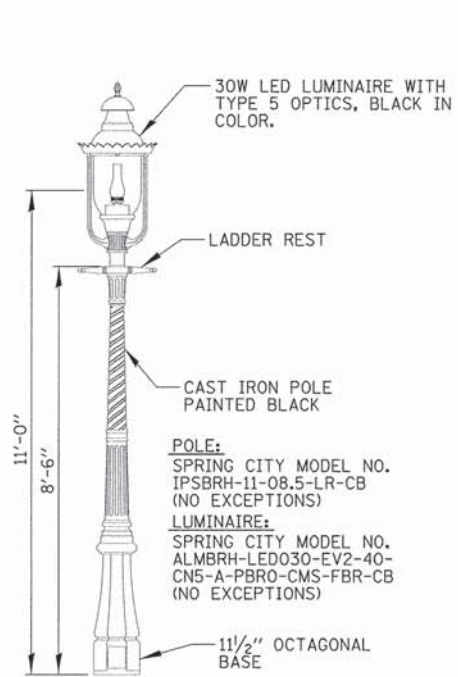


**CABINET METER FITTING & DOOR ORIENTATION**

N.T.S.

**LIGHTING CONTROLLER CABINET AND FOUNDATION**

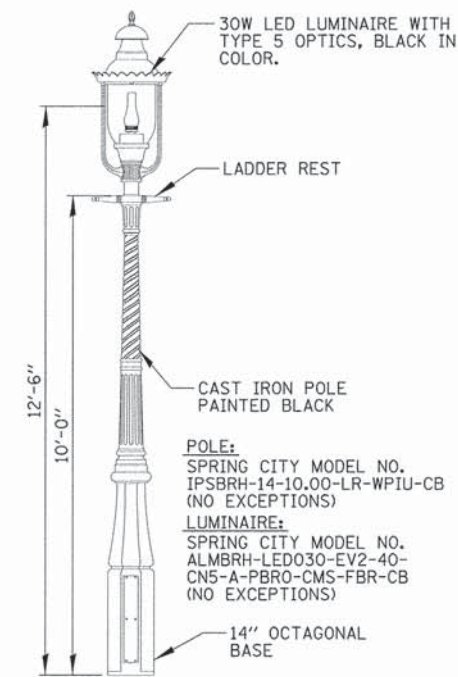
N.T.S.



**POLE:**  
 SPRING CITY MODEL NO. IPSBRH-11-08.5-LR-CB (NO EXCEPTIONS)  
**LUMINAIRE:**  
 SPRING CITY MODEL NO. ALMBRH-LEDO30-EV2-40-CN5-A-PBRO-CMS-FBR-CB (NO EXCEPTIONS)

**NOTES:**  
 1. PAID FOR UNDER "LIGHTING UNIT COMPLETE, SPECIAL".

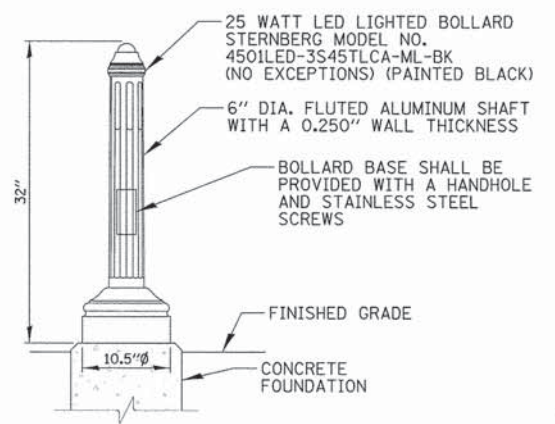
**DECORATIVE GATEWAY LIGHTPOLE DETAIL**  
 N.T.S.



**POLE:**  
 SPRING CITY MODEL NO. IPSBRH-14-10.00-LR-WPIU-CB (NO EXCEPTIONS)  
**LUMINAIRE:**  
 SPRING CITY MODEL NO. ALMBRH-LEDO30-EV2-40-CN5-A-PBRO-CMS-FBR-CB (NO EXCEPTIONS)

**NOTES:**  
 1. PAID FOR UNDER "ORNAMENTAL LIGHT UNIT COMPLETE, SPECIAL".

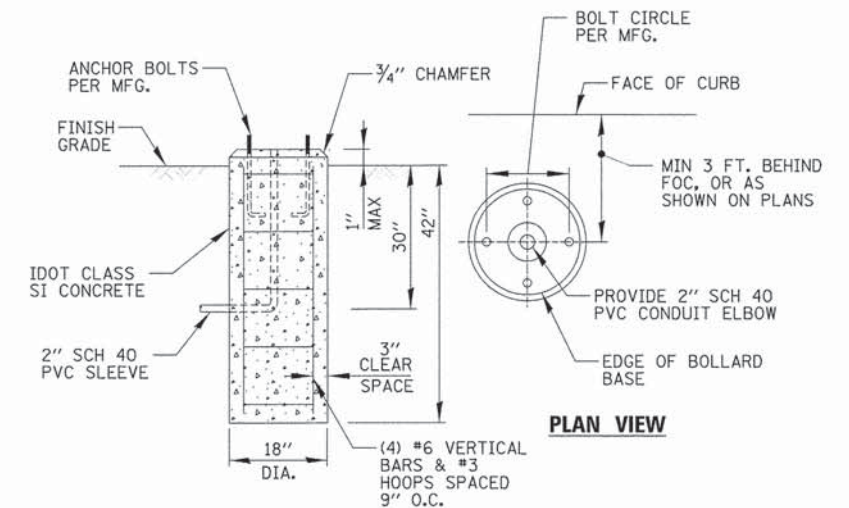
**DECORATIVE PLAZA LIGHTPOLE DETAIL**  
 N.T.S.



**LANDSCAPE BOLLARD**

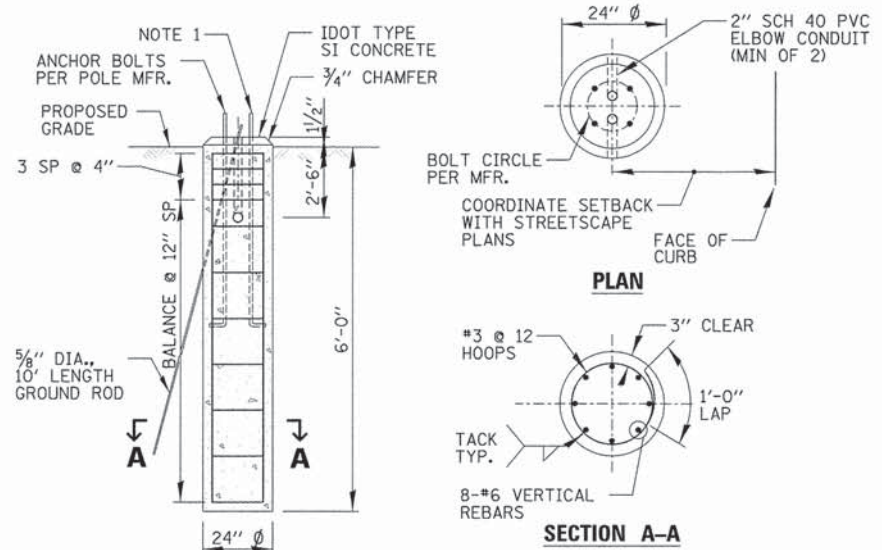
**NOTES:**  
 1. CONTRACTOR SHALL COORDINATE SIZE AND ORIENTATION OF BOLT CIRCLE, WITH BOLLARD MANUFACTURER.  
 2. CONCRETE FOUNDATION, ANCHOR BOLTS, SPARE RACEWAYS AND FASTENERS SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR "BOLLARDS".  
 3. FOUNDATIONS SHALL NOT PROTRUDE MORE THAN 4" ABOVE FINISHED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

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



**BOLLARD CONCRETE FOUNDATION DETAIL**

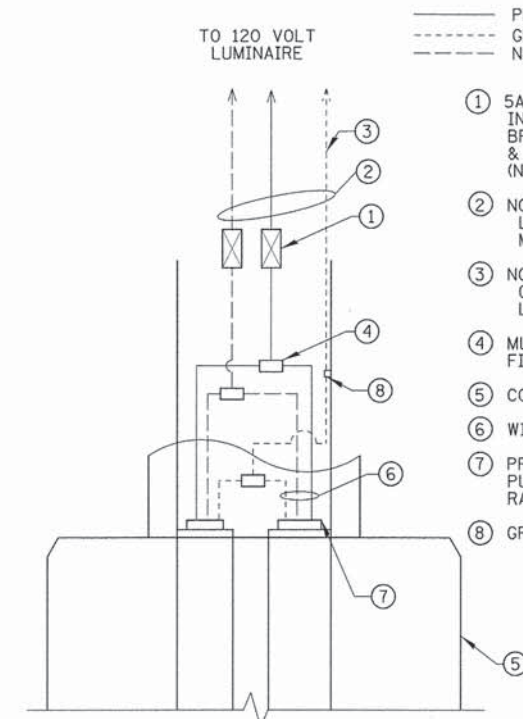
**LANDSCAPE BOLLARD/FOUNDATION DETAIL**  
 N.T.S.



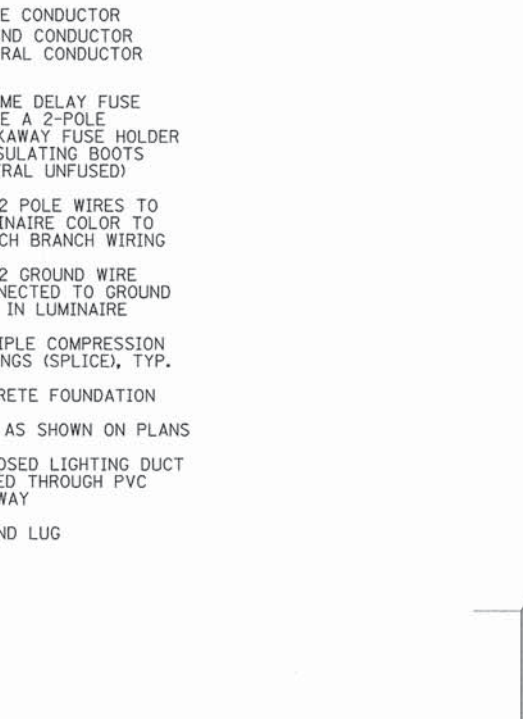
**SECTION A-A**

**NOTES:**  
 1. FOUNDATIONS SHALL NOT PROTRUDE MORE THAN 4" ABOVE FINISHED GRADE INCLUDING ANCHOR RODS.  
 2. GROUND ROD SHALL BE CAST INTO CONCRETE FOUNDATION WITH 8' IN CONTACT WITH SOIL.  
 3. ALL ABOVE ITEMS INCLUDING CONCRETE, GROUND ROD, REINFORCEMENT, RACEWAYS & FORMWORK SHALL BE INCLUDED IN THE LIGHT POLE FOUNDATION PAY ITEM.  
 4. ANCHOR BOLTS SHALL BE F1554, GRADE 105.

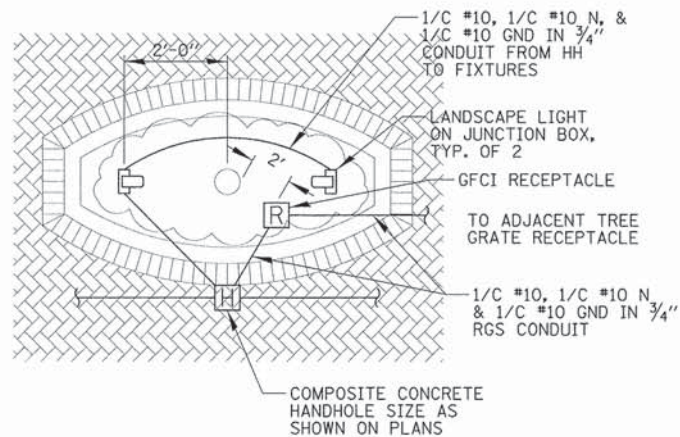
**LIGHT POLE/DECORATIVE POST CONCRETE FOUNDATION DETAIL**  
 N.T.S.



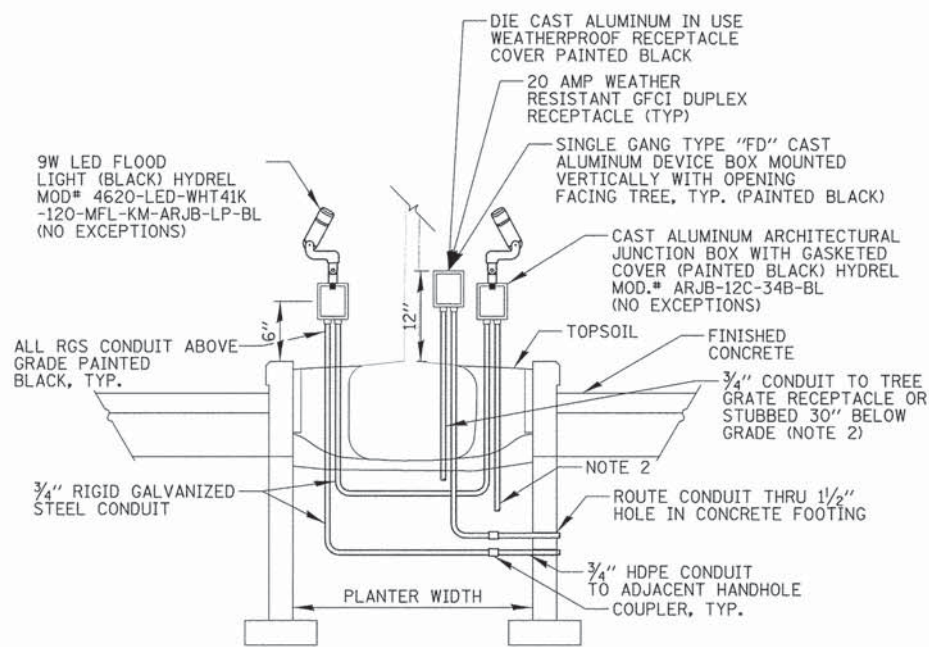
**BOLLARD HANDHOLE WIRING DIAGRAM**  
 N.T.S.



**LIGHT POLE HANDHOLE WIRING DIAGRAM**  
 N.T.S.



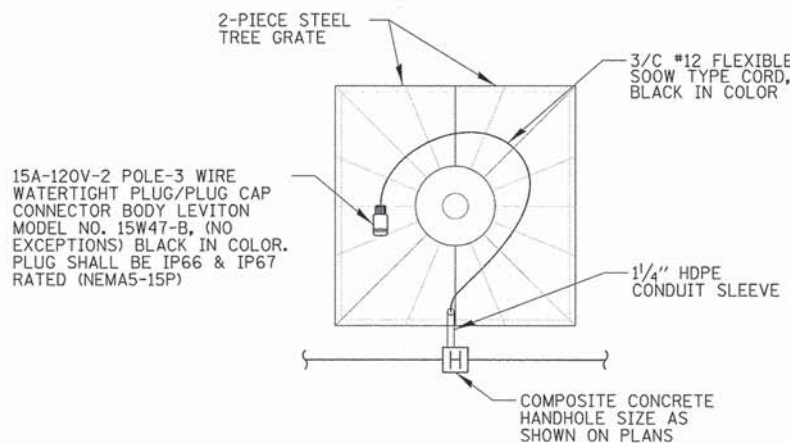
**PLAN VIEW**



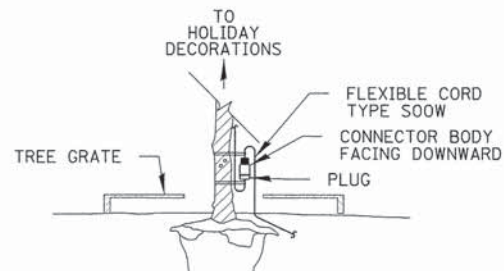
**NOTES:**

1. CONTRACTOR SHALL COORDINATE EXACT LOCATION, MOUNTING HEIGHT AND ORIENTATION OF ALL ITEMS WITH OWNER.
2. END OF RUN BOXES HAVE A VERTICAL 3/4" RGS CONDUIT EMBEDDED A MINIMUM OF 30" BELOW GRADE FOR STABILIZATION.
3. INSTALL RECEPTACLE 2'-0" FROM TREE.
4. "FLOOD LIGHTING UNIT" PAY ITEM SHALL INCLUDE LIGHT FIXTURE, JUNCTION BOX, RIGID GALVANIZED STEEL CONDUIT & TRANSITION COUPLING. HDPE CONDUIT & WIRING PAID FOR SEPARATELY.
5. "GFI 20 AMP DUPLEX RECEPTACLE" PAY ITEM SHALL INCLUDE RECEPTACLE, DEVICE BOX/COVER, RIGID GALVANIZED STEEL CONDUIT & TRANSITION COUPLING. HDPE CONDUIT & WIRE PAID FOR SEPARATELY.

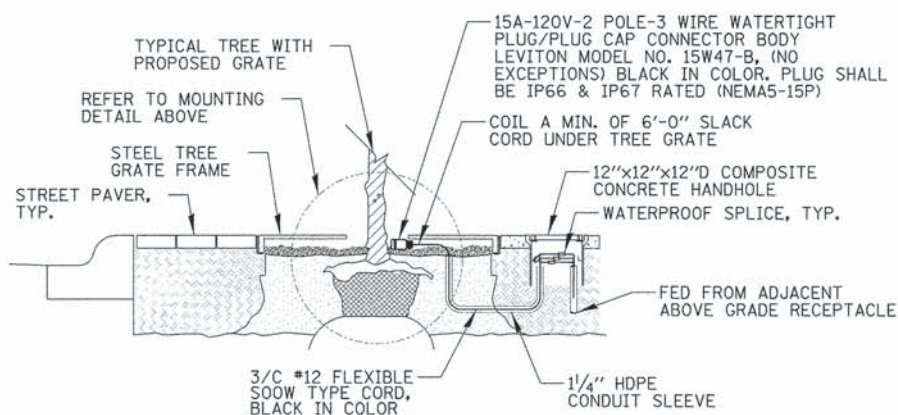
**PLANTER BOX TREE RECEPTACLE AND UPLIGHT DETAIL**  
N.T.S.



**PLAN VIEW**



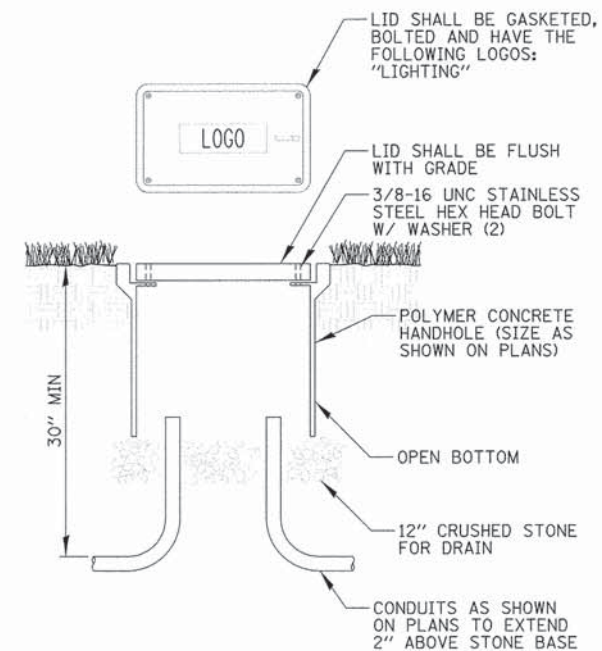
**MOUNTING DETAIL FOR IN USE SERVICE**



**NOTES:**

1. THE PROPOSED WATERTIGHT CORD CONNECTORS SHOWN SHALL BE USED IN CONJUNCTION WITH ONLY CORRESPONDING LEVITON WATERTIGHT PLUG MODEL NO. 14W47-B, (NO EXCEPTIONS) BLACK IN COLOR, RATED IN-USE PER NEC.
2. CONTRACTOR SHALL SUPPLY SEPARATE CORD SET, 10 FT. IN LENGTH AND BLACK IN COLOR, WITH MATCHING CONNECTOR ENDS (ONE END W/ PLUG AND ONE END W/ RECEPTACLE).
3. ALL MATERIAL & LABOR TO PERFORM THE WORK SHOWN ABOVE SHALL BE INCLUDED IN UNIT PRICE FOR "OUTLET SPECIAL". HANDHOLE SHALL BE PAID FOR SEPARATELY.
4. ALL TREE GRATE RECEPTACLES SHALL BE GFI PROTECTED THRU ADJACENT ABOVE GRADE GFI RECEPTACLE IN RAISED PLANTERS AS SHOWN ON PLAN DRAWINGS.

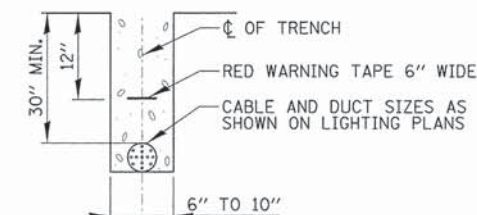
**TREE GRATE RECEPTACLE CORD ASSEMBLY DETAIL**  
N.T.S.



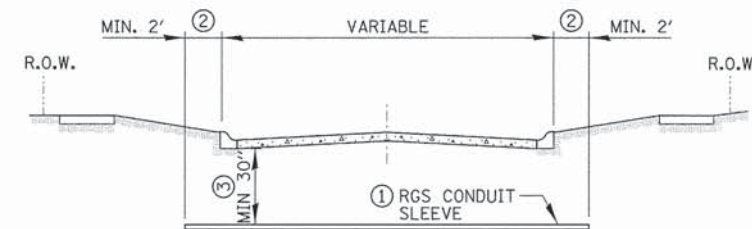
**NOTES:**

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.



**TRENCH CROSS SECTION**



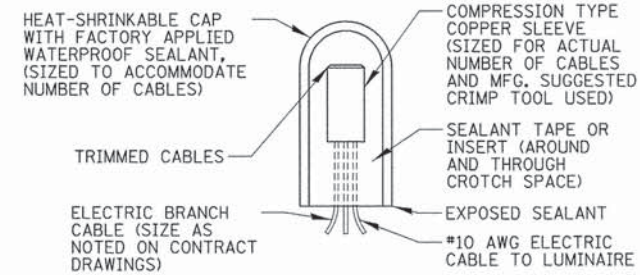
**ROADWAY CROSSING**

- ① SLEEVE SHALL BE HEAVY WALL RIGID GALVANIZED STEEL (RGS) CONDUIT.
- ② SLEEVE SHALL EXTEND A MINIMUM OF 2 FT. BEYOND BACK OF CURB.
- ③ SLEEVE SHALL BE A MINIMUM OF 30" BELOW ROADWAY OR CURB BOTTOM.

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

# HANDHOLE SCHEDULE

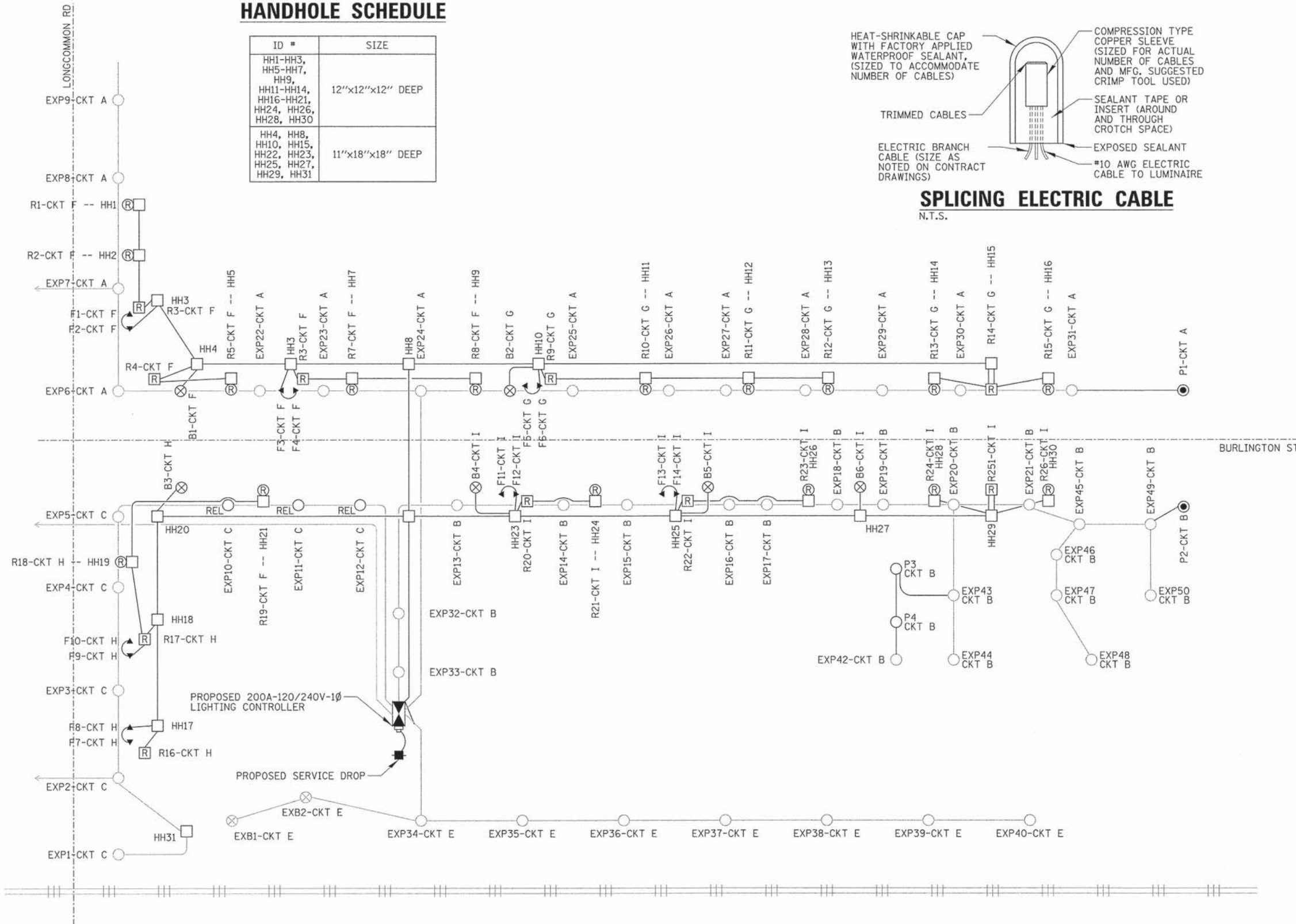
ID #	SIZE
HH1-HH3, HH5-HH7, HH9, HH11-HH14, HH16-HH21, HH24, HH26, HH28, HH30	12"x12"x12" DEEP
HH4, HH8, HH10, HH15, HH22, HH23, HH25, HH27, HH29, HH31	11"x18"x18" DEEP



## SPlicing ELECTRIC CABLE

N.T.S.

- ### LEGEND
- DECORATIVE GATEWAY LIGHT POLE
  - DECORATIVE PLAZA LIGHT POLE
  - ⊗ DECORATIVE BOLLARD
  - REL ○ RELOCATED DECORATIVE LIGHT POLE
  - EXISTING DECORATIVE LIGHT POLE
  - ⊗ EXISTING DECORATIVE BOLLARD
  - ELECTRIC LINE
  - EXISTING ELECTRIC LINE
  - ◻ CONTROLLER
  - ◻ HANDHOLE
  - ◻ R GROUND MOUNTED RECEPTACLE
  - ◻ R TREE GRATE RECEPTACLE
  - ◻ FLOOD LIGHT
  - ↗ LIGHT POLE NUMBER
  - ↘ LIGHTING CIRCUIT IDENTIFIER
  - ↖ RECEPTACLE NUMBER
  - ↙ RECEPTACLE CIRCUIT IDENTIFIER
  - ROADWAY



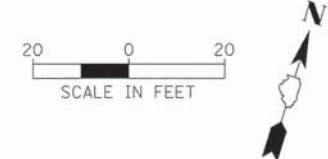
## ONE LINE CIRCUIT DIAGRAM

N.T.S.



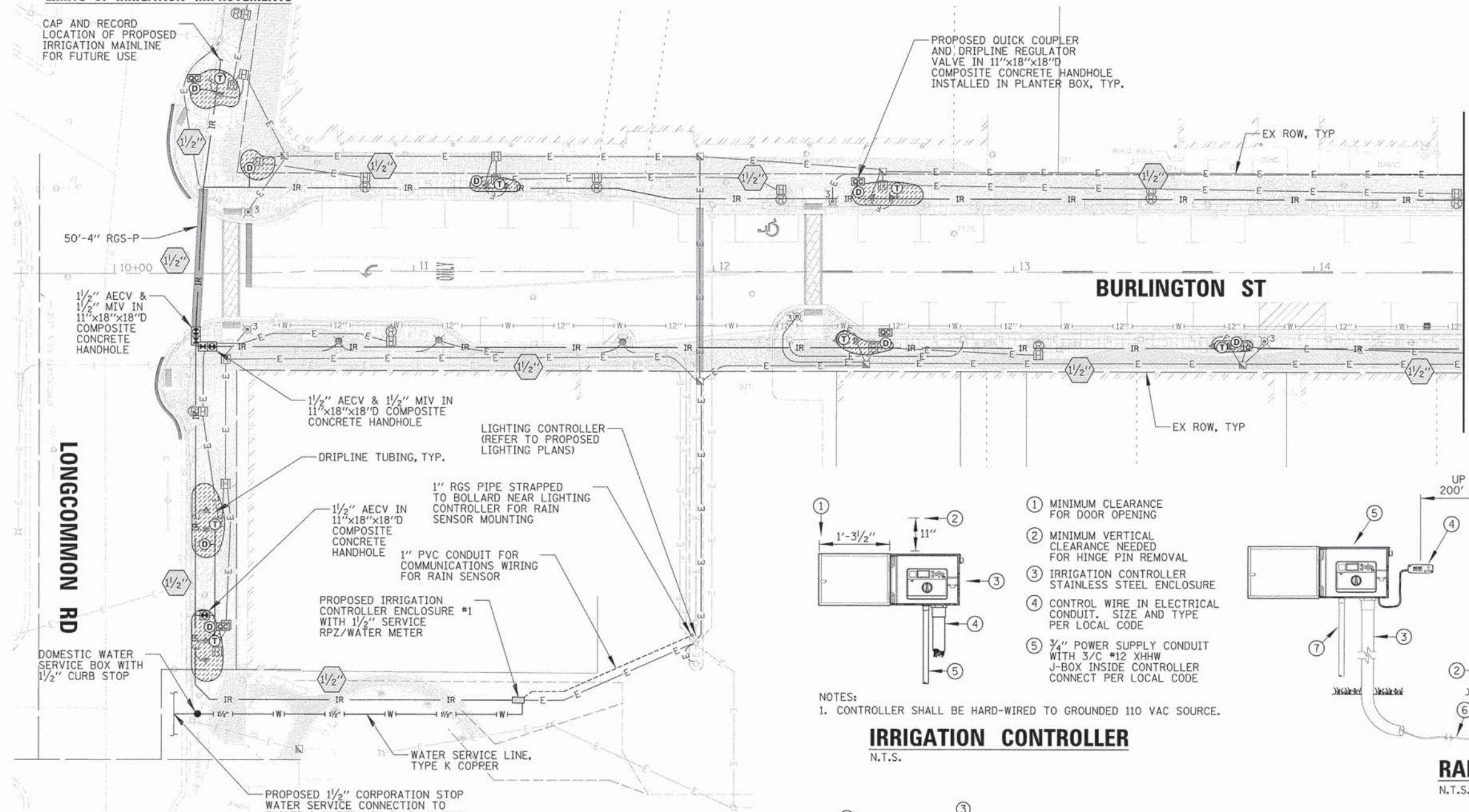
**LIMITS OF IRRIGATION IMPROVEMENTS**

CAP AND RECORD LOCATION OF PROPOSED IRRIGATION MAINLINE FOR FUTURE USE



**IRRIGATION LEGEND**

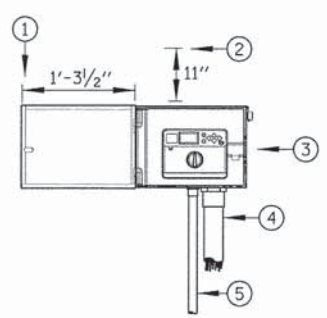
- IR — IRRIGATION MAIN LINE, SDR 21 PVC PIPE (SIZE AS SHOWN) WITH 2 SETS OF (2/C #14 CONTROL CABLES) IN 1" SCH 40 PVC CONDUIT
- IRL — IRRIGATION BRANCH LINE, 1", SDR 21 PVC PIPE
- (D) IRRIGATION DRIPLINE TUBING WITH EMITTERS SPACED AT 12" OC
- (T) TREE ROOT WATERING SYSTEM
- (M) MANUAL ISOLATION VALVE IN VALVE BOX (MIV)
- (A) AUTOMATIC ELECTRIC CONTROL VALVE IN VALVE BOX (AECV)
- (QC) QUICK COUPLER
- 4" — 4" RIGID GALVANIZED STEEL SLEEVE
- (2") IRRIGATION MAINLINE PIPING SIZE



MATCH LINE STA. 14 + 50

LONGCOMMON RD

**BURLINGTON ST**

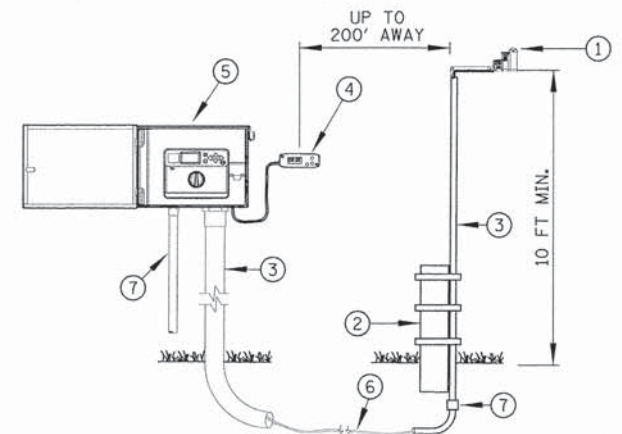


- 1 MINIMUM CLEARANCE FOR DOOR OPENING
- 2 MINIMUM VERTICAL CLEARANCE NEEDED FOR HINGE PIN REMOVAL
- 3 IRRIGATION CONTROLLER STAINLESS STEEL ENCLOSURE
- 4 CONTROL WIRE IN ELECTRICAL CONDUIT. SIZE AND TYPE PER LOCAL CODE
- 5 3/4" POWER SUPPLY CONDUIT WITH 3/C #12 XHHW J-BOX INSIDE CONTROLLER CONNECT PER LOCAL CODE

NOTES:  
1. CONTROLLER SHALL BE HARD-WIRED TO GROUND 110 VAC SOURCE.

**IRRIGATION CONTROLLER**

N.T.S.

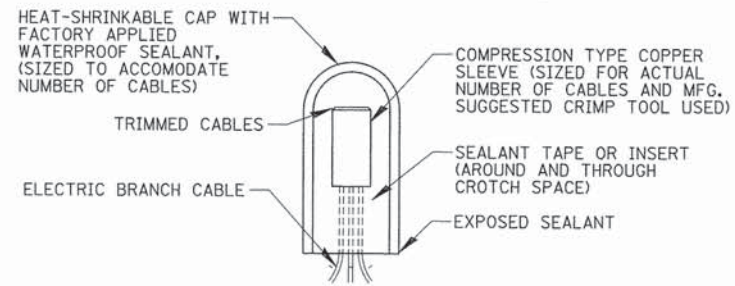


- 1 RAIN SENSOR
- 2 STRAP RGS CONDUIT TO BOLLARD NEAR LIGHTING CONTROLLER LOCATION AS SHOWN ON PLANS, MOUNT WHERE SENSOR CAN RECEIVE FULL SUN, IS OPEN TO RAINFALL AND OUT OF SPRINKLER SPRAY PATTERN
- 3 1" RGS CONDUIT FOR RAIN SENSOR COMMUNICATION WIRE TO CONTROLLER, 12" BELOW GRADE
- 4 RAIN SENSOR MODULE MOUNT LESS THAN 6" AWAY FROM CONTROLLER
- 5 IRRIGATION CONTROLLER
- 6 CONTROL WIRE IN 1" PVC CONDUIT
- 7 3/4" RGS CONDUIT WITH 3/C #12 XHHW TO POWER SOURCE
- 7 TRANSITION COUPLING - RGS TO PVC

**RAIN SENSOR SYSTEM**

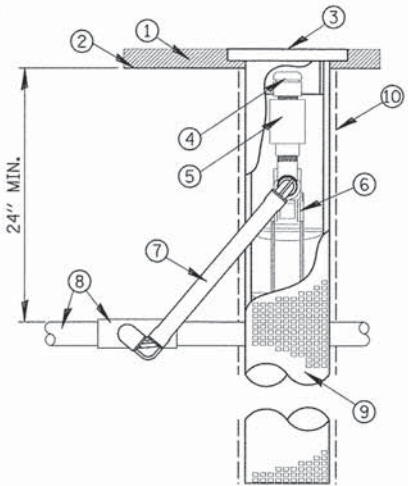
N.T.S.

**LIMITS OF IRRIGATION IMPROVEMENTS**



**WATERPROOF SPLICE**

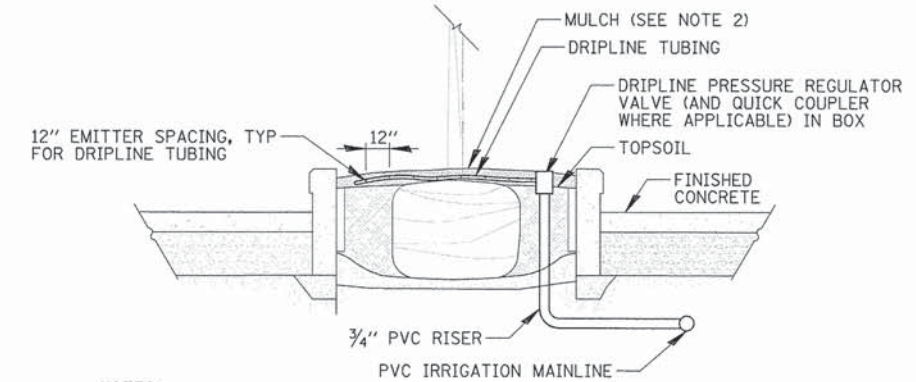
N.T.S.



- 1 MULCH
- 2 FINISH GRADE
- 3 GRATED CAP
- 4 0.50 GPM PCB BUBBLER
- 5 HCV CHECK VALVE
- 6 PATENTED STRATA ROOT SYSTEM
- 7 SWING JOINT
- 8 LATERAL TEE OR ELL/PIPE
- 9 ROOT INTRUSION BARRIER
- 10 FILTER FABRIC SLEEVE

**36" ROOT ZONE WATERING SYSTEM**

N.T.S.



- NOTES:
1. CONTRACTOR SHALL COORDINATE IRRIGATION PIPING WITH PROPOSED ELECTRICAL EQUIPMENT LOCATED INSIDE PLANTER BOXES.
  2. MULCH TO BE PLACED ON TOP OF DRIPLINE.

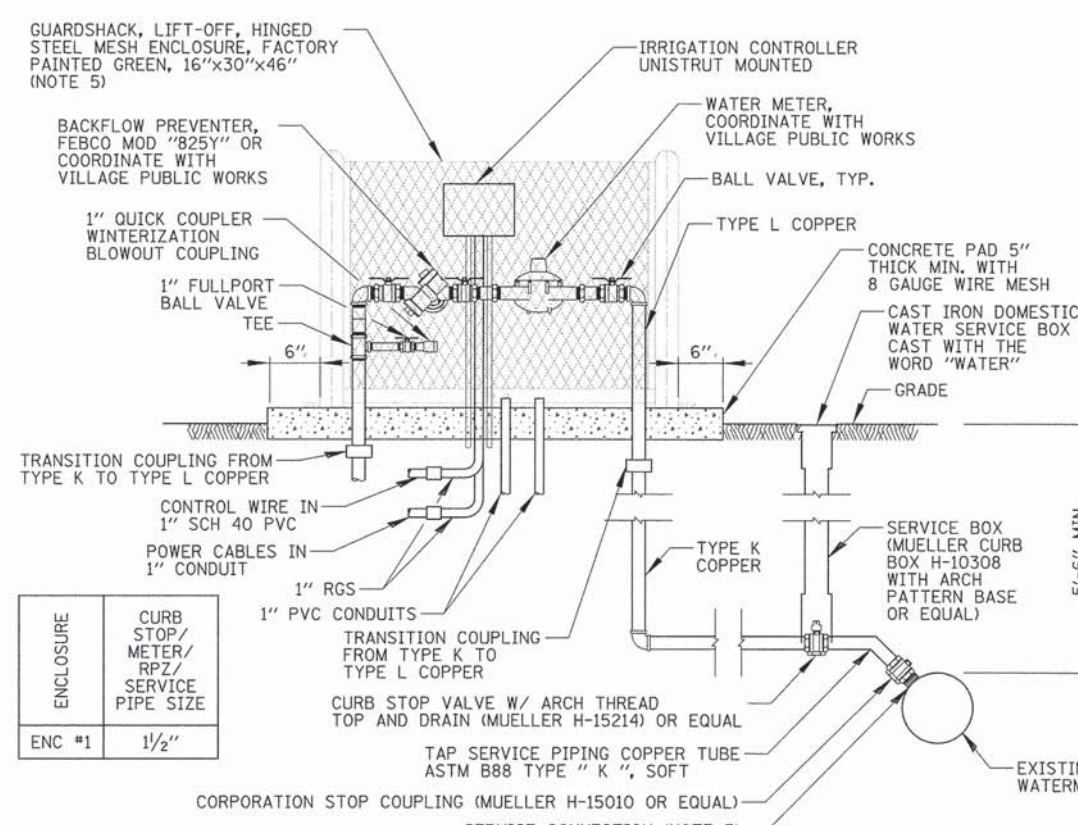
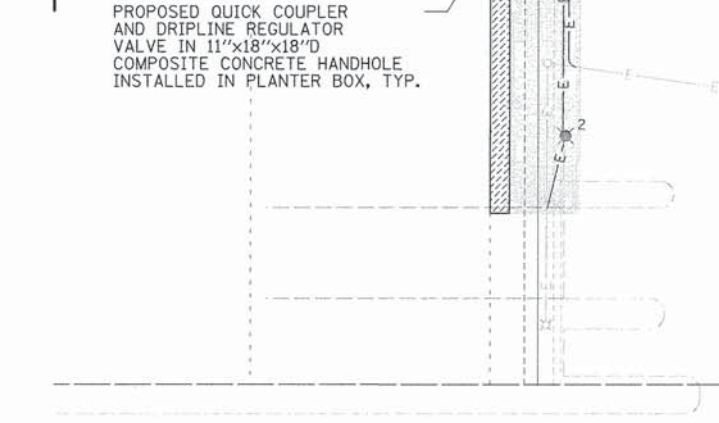
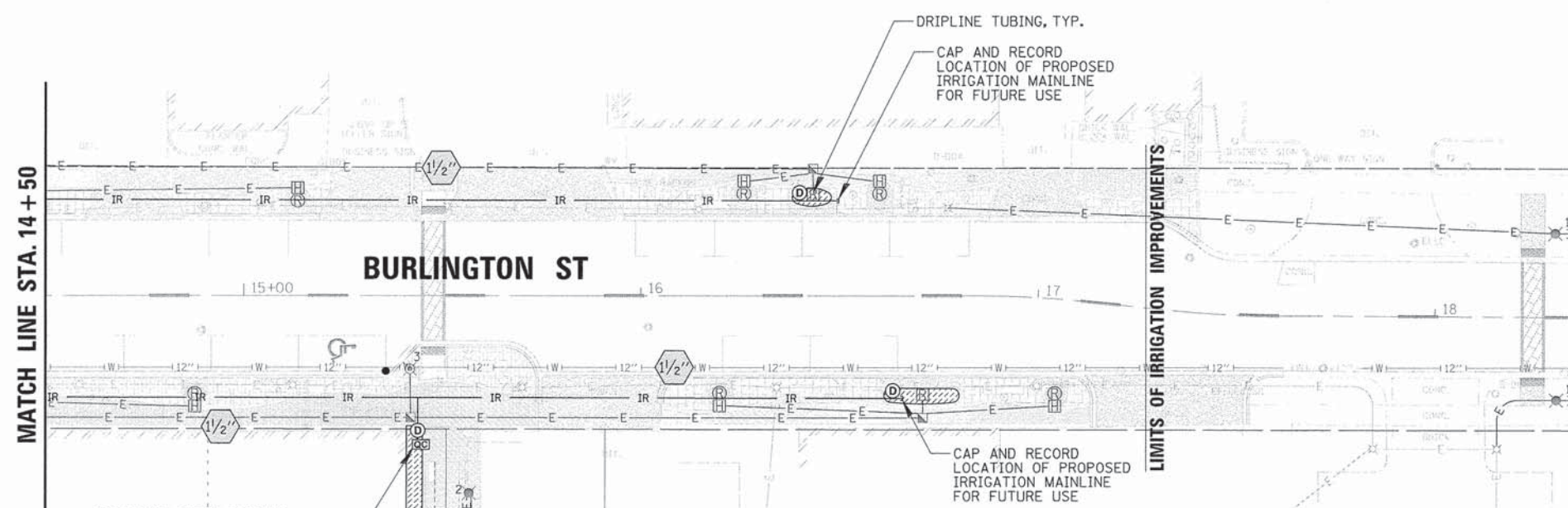
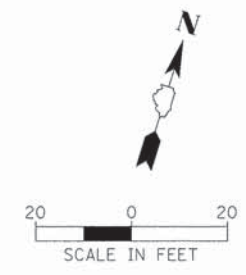
**PLANTER BOX IRRIGATION DETAIL**

N.T.S.

FILE NAME =	USER NAME = pmagnoli	DESIGNED - KWB	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>IRRIGATION PLAN AND DETAILS BURLINGTON STREET</b>	F.A.U. RTE. 1472	SECTION 12-00080-00-RS	COUNTY COOK	TOTAL SHEETS 49	SHEET NO. 33		
Drawn	Checked - JPC	Checked - JPC	Checked - JPC			SCALE: 20'	SHEET 1 OF 2 SHEETS	STA.	TO STA.	CONTRACT NO. 61B53		
Plot Scale = 20'	Plot Date = 8/17/2015	Date =	Date =			[ILLINOIS] FED. AID PROJECT						
Default												

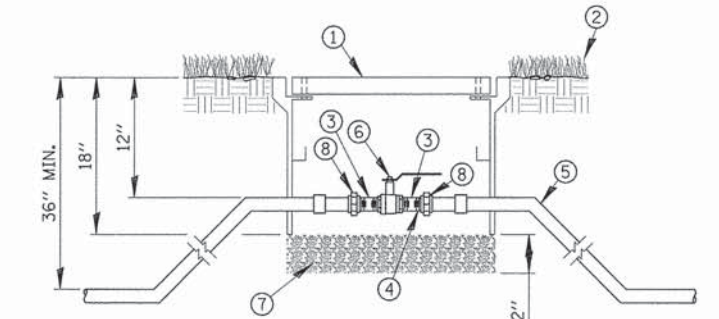
### IRRIGATION LEGEND

- IR — IRRIGATION MAIN LINE, SDR 21 PVC PIPE (SIZE AS SHOWN) WITH 2 SETS OF (2/C #14 CONTROL CABLES) IN 1" SCH 40 PVC CONDUIT
- IRRIGATION BRANCH LINE, 1", SDR 21 PVC PIPE
- IRRIGATION DRIPLINE TUBING WITH EMITTERS SPACED AT 12" OC
- TREE ROOT WATERING SYSTEM
- MANUAL ISOLATION VALVE IN VALVE BOX (MIV)
- AUTOMATIC ELECTRIC CONTROL VALVE IN VALVE BOX (AECV)
- QUICK COUPLER
- 4" RIGID GALVANIZED STEEL SLEEVE
- IRRIGATION MAINLINE PIPING SIZE



ENCLOSURE	CURB STOP/METER/ RPZ/ SERVICE PIPE SIZE
ENC #1	1/2"

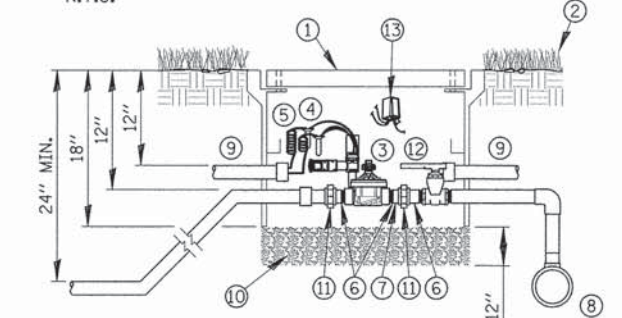
- NOTES:**
- EXACT LOCATION OF WATER SERVICES TO BE DETERMINED BY CONTRACTOR.
  - WATER SERVICE FITTINGS TO CONFORM TO OWNER'S STANDARDS.
  - FOR D.I. WATERMAINS, PROVIDE A DIRECT SERVICE CONNECTION. FOR TAPPING PVC AND HDPE WATERMAINS PROVIDE A WIDE BAND BRASS SERVICE SADDLE (FORD BRASS SADDLE STYLE 202BS OR EQUAL).
  - CURB STOP/CURB VALVE SHALL BE PROVIDED WITH DRAIN TO DRAIN WATER SERVICE LINE DURING WINTER MONTHS.
  - ENCLOSURE DIMENSIONS SHOWN ARE APPROXIMATE. ENCLOSURE SHALL BE AS COMPACT AS POSSIBLE. CONTRACTOR TO COORDINATE.



- VALVE BOX, TIER 15 OR EQUAL LOADING WITH BOLTED/GASKETED LID AND "IRRIGATION" LOGO. SIZE DETERMINED BY CONTRACTOR
- FINISH GRADE
- SCH 80 T.O.E. NIPPLE
- SCH 80 NIPPLE
- MAIN LINE PIPE & FITTINGS
- FULL PORT BALL VALVE FOR LOADING WITH BOLTED/GASKETED LID AND "IRRIGATION" LOGO. SIZE DETERMINED BY CONTRACTOR
- 3/4" MINUS WASHED GRAVEL
- PVC SLIP UNIONS

### MANUAL ISOLATION VALVE DETAIL

N.T.S.



- VALVE BOX, TIER 15 OR EQUAL LOADING WITH BOLTED/GASKETED LID AND "IRRIGATION" LOGO. SIZE DETERMINED BY CONTRACTOR
- FINISH GRADE
- REMOTE CONTROL VALVE, GLOBE TYPE
- WATERPROOF CONNECTORS
- 18-24" COILED WIRE
- SCH 80 T.O.E. NIPPLE
- SCH 80 NIPPLE
- MAIN LINE PIPE & FITTINGS
- 1" CONDUIT FOR CONTROLS
- 3/4" MINUS WASHED GRAVEL
- PVC SLIP UNIONS
- BALL VALVE LINE SIZED
- TWO-WIRE DECODERS

### AUTOMATIC ELECTRIC CONTROL VALVE WITH ISOLATION VALVE DETAIL

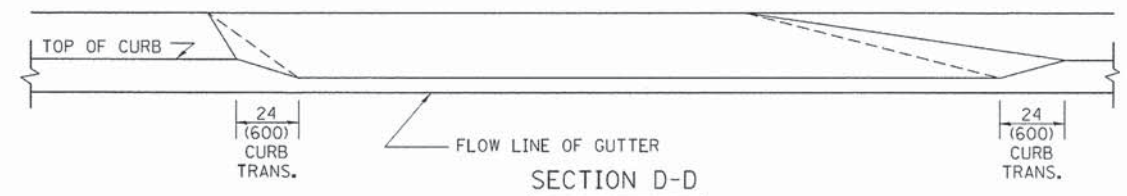
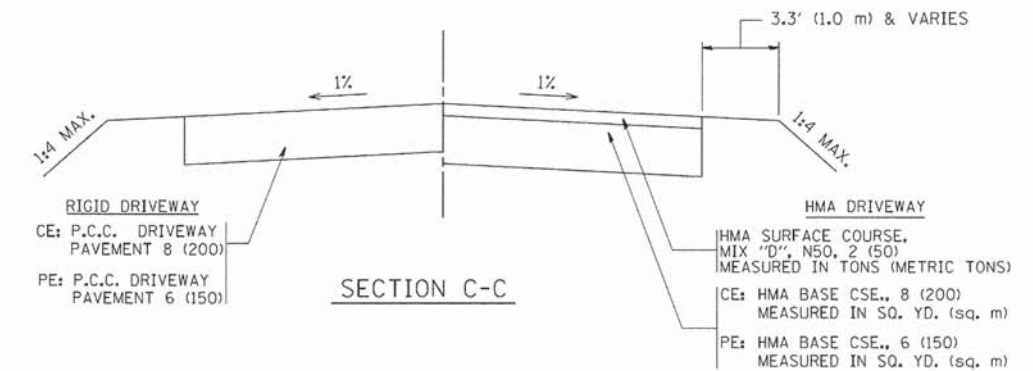
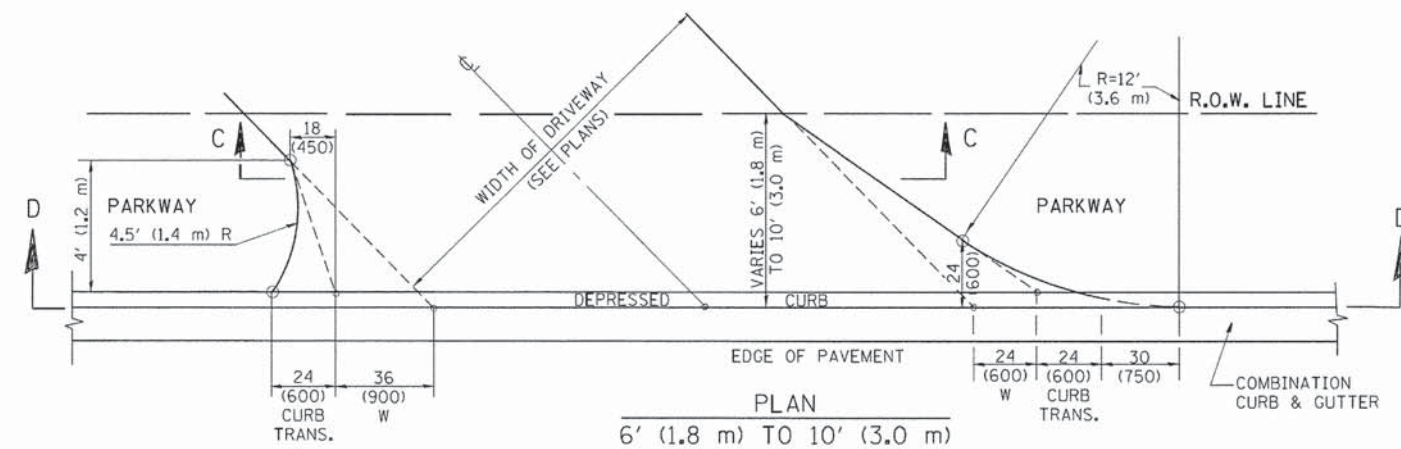
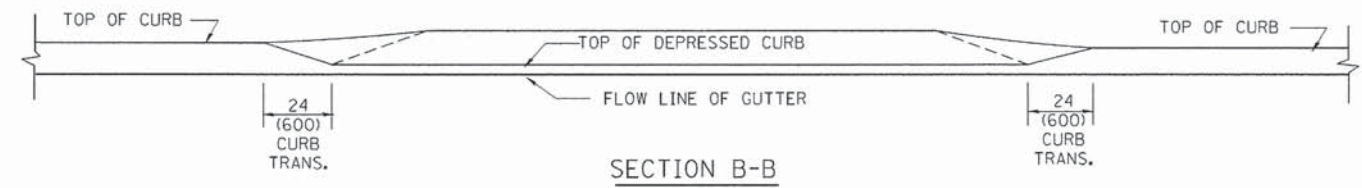
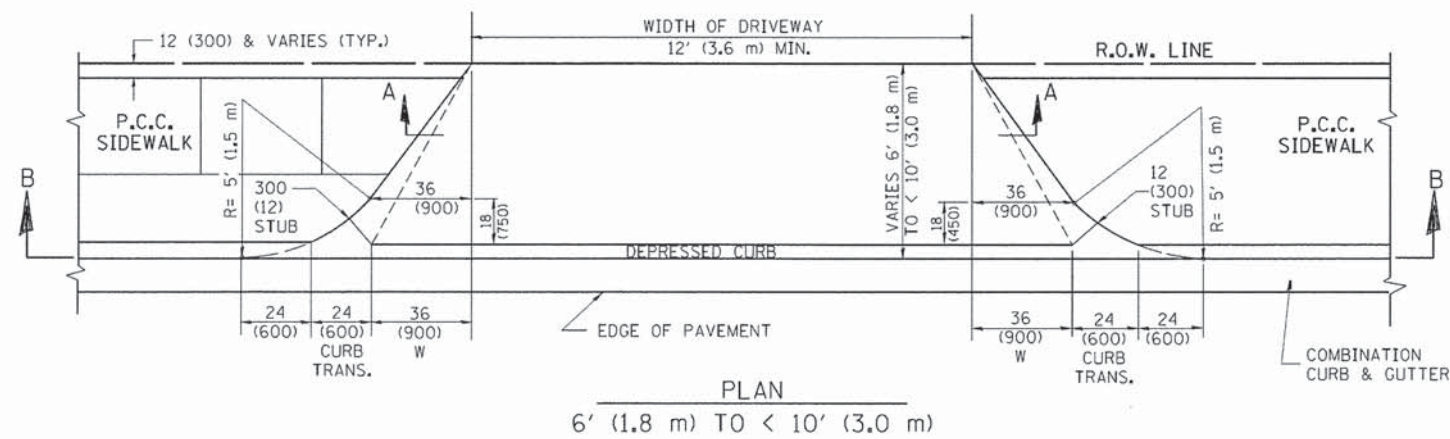
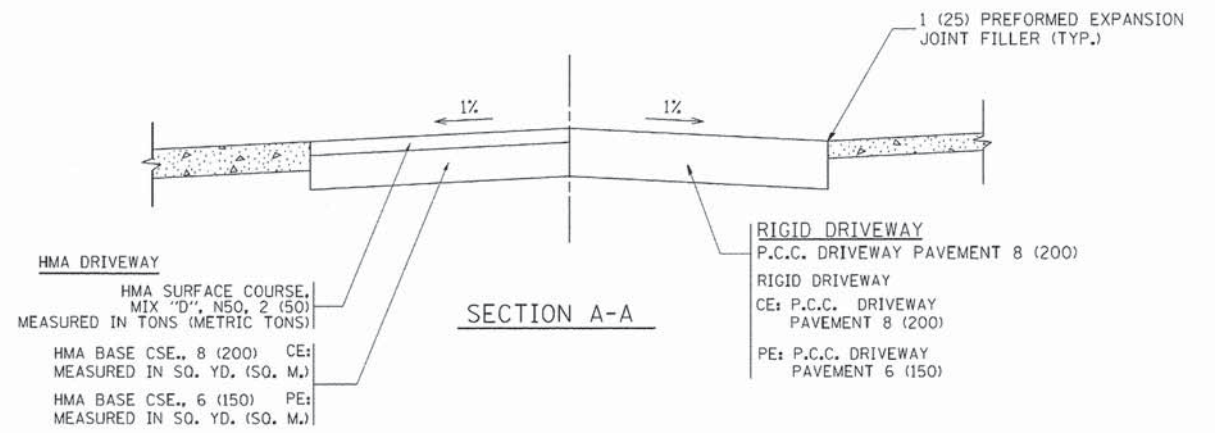
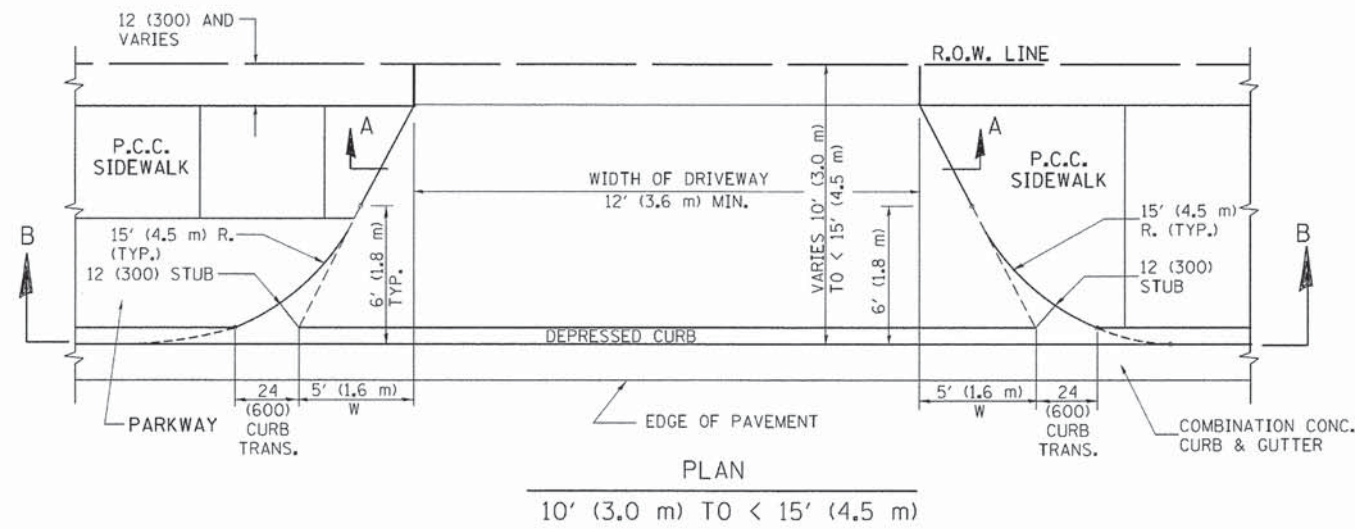
N.T.S.

### DRIP ZONE CONTROL VALVE WITH QUICK COUPLER DETAIL

N.T.S.

### IRRIGATION SERVICE PIPING DETAIL

N.T.S.



**GENERAL NOTES**

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

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

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

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

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

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

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

FILE NAME =	USER NAME = lsgsa	DESIGNED - R. SHAH	REVISED - M. GOMEZ 04-06-01
cs:\pwork\psdot\lsgsa\0108315\ba02.dwg		DRAWN -	REVISED - P. LaFLEUR 04-15-03
	PLOT SCALE = 50,0000' / 1"	CHECKED -	REVISED - R. BORO 01-01-07
	PLOT DATE = 10/28/2011	DATE - 11-06-95	REVISED - R. BORO 09-06-11

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

DRIVEWAY DETAILS			
DISTANCE BETWEEN ROW AND FACE OF CURB < 15' (4.5 m)			
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA. TO STA.	

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1472	12-00080-00-RS	COOK	49	35
BD400-02 (BD-02)		CONTRACT NO. 61B53		
FED. ROAD DIST. NO. 1   ILLINOIS FED. AID PROJECT				

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

PROP. CONC. CURB OR CURB AND GUTTER REPLACEMENT IN ACCORDANCE WITH STATE STANDARD 606001. (SEE NOTE ②)

SAW CUT FULL DEPTH - INCLUDED IN THE COST OF SIDEWALK, DRIVEWAY OR MEDIAN SURFACE REMOVAL PAY ITEM.

SEE STATE STANDARD 606001  
EXISTING OR PROPOSED HMA SURFACE (IF APPLICABLE)

1/4" (5) \*\*

18" (450) MAX.

EXISTING SIDEWALK, DRIVEWAY, MEDIAN SURFACE, SOD OR GROUND.

PROPOSED SIDEWALK, DRIVEWAY PAVEMENT, MEDIAN SURFACE OR SODDING SALT TOLERANT WITH TOP SOIL, 4" (100) SOD RESTORATION (SEE NOTE ①).

EXISTING CONCRETE PAVEMENT, CONCRETE BASE COURSE OR FLEXIBLE PAVEMENT

3" (75) MIN.

SUITABLE BACKFILL MATERIAL (INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT)

PROPOSED 3/4" (20) PREFORMED EXPANSION JOINT AT CONCRETE SIDEWALKS, DRIVEWAYS, AND MEDIANS. (INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT.)

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

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

UNSUITABLE 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 THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT.

REMOVAL AND REPLACEMENT IN EXCESS OF 4" (100) WILL BE PAID FOR IN ACCORDANCE WITH 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.

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

② FERTILIZER FOR THE PLACEMENT OF THE SOD IS NOT REQUIRED

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

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

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

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

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

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

PROPOSED #6 (20) EPOXY COATED TIE BARS 24" (600) LONG AT 24" (600) CENTERS WILL NOT BE PAID FOR SEPARATELY. DELETE EPOXY COATED TIE BARS IF EXISTING TIE BARS ARE USUABLE AS DETERMINED BY THE ENGINEER. (SEE NOTE ③).

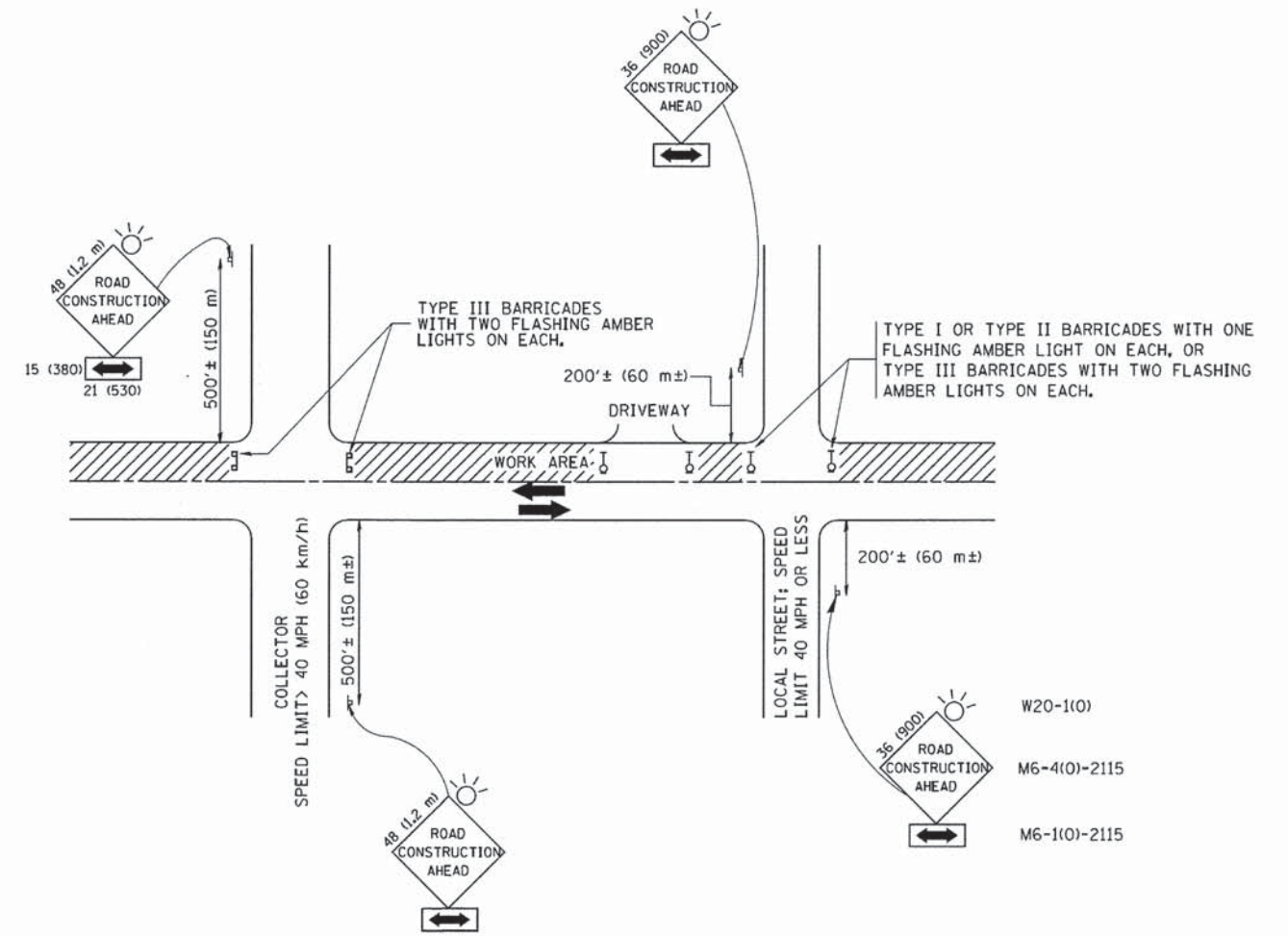
**BASIS OF PAYMENT:**

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

# CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

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

FILE NAME =	USER NAME = drvakosgn	DESIGNED - A. HOUSEH	REVISED - R. SHAH 10-03-96	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT</b>	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
es:\ppl\work\p\wido\drvakosgn\108315\1024.dgn	DRAWN -	REVISED - A. ABBAS 03-21-97	1472			12-00080-00-RS	COOK	49	36	
PLOT SCALE = 50.000' / IN.	CHECKED -	REVISED - M. GOMEZ 01-22-01	<b>BD600-06 (BD-24)</b>			CONTRACT NO. 61B53				
PLOT DATE = 12/15/2009	DATE - 03-11-94	REVISED - R. BORO 12-15-09	SCALE: NONE			SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.		
						FED. ROAD DIST. NO. 1   ILLINOIS   FED. AID PROJECT				



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

NOTES:

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

1. SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
  - a) ONE ROAD CONSTRUCTION AHEAD SIGN 36 x 36 (900x900) WITH A FLASHER AND FLAG MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.
  - b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.
2. SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
  - a) ONE ROAD CONSTRUCTION AHEAD SIGN 48 x 48 (1,2 m x 1,2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE OF THE MAIN ROUTE.
  - b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.
3. WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).

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

- USE APPLICABLE PORTIONS OF THE TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES (STD. 701501, STD. 701606 OR THE APPROPRIATE STANDARD). THE SPACING OF SIGNS AND BARRICADES SHALL BE ADJUSTED FOR FIELD CONDITIONS AS DIRECTED BY THE ENGINEER. THE DIRECTIONAL ARROW SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE SIDE ROAD LANE CLOSURE.
- C. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAY UNLESS OTHERWISE NOTED.
- D. THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCIDENTAL TO THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

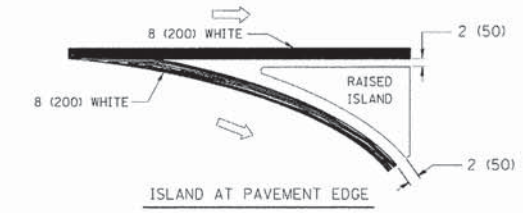
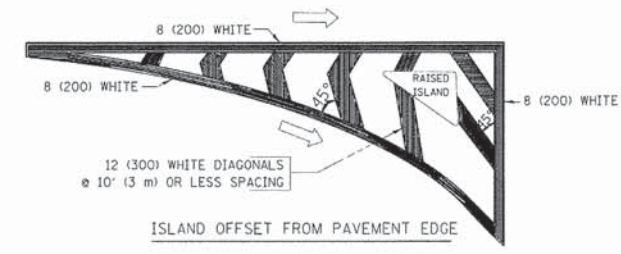
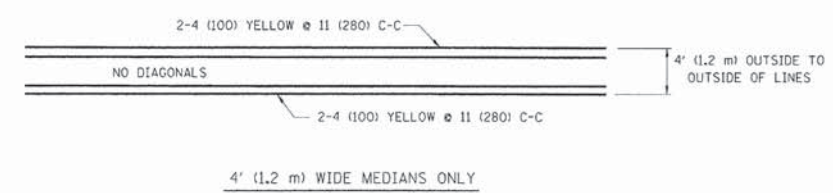
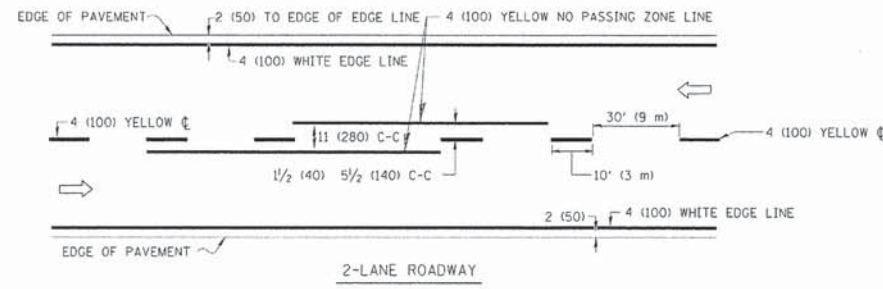
All dimensions are in millimeters (inches) unless otherwise shown.

FILE NAME = W:\diststd\22x34\tcl0.dgn	USER NAME = gaglianobt	DESIGNED - LHA	REVISED - J. OBERLE 10-18-95
		DRAWN -	REVISED - A. HOUSEH 03-06-96
	PLOT SCALE = 50,000' / IN.	CHECKED -	REVISED - A. HOUSEH 10-15-96
	PLOT DATE = 1/4/2008	DATE - 06-89	REVISED - T. RAMMACHER 01-06-00

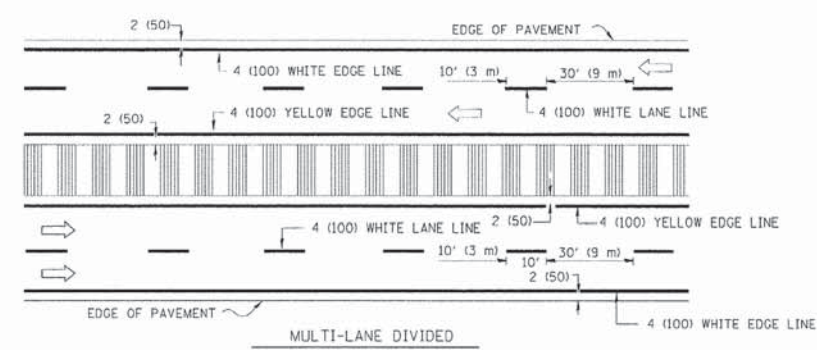
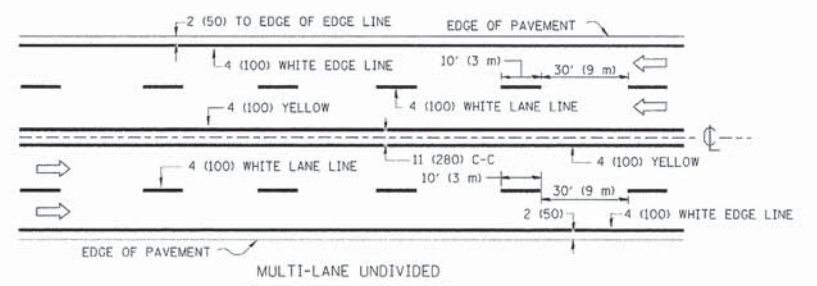
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS			
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1472	12-00080-00-RS	COOK	49	37
TC-10			CONTRACT NO. 61B53	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

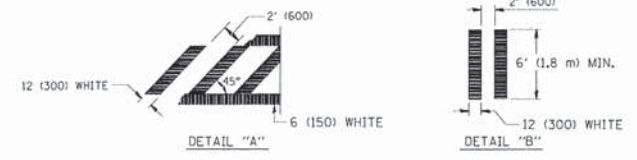
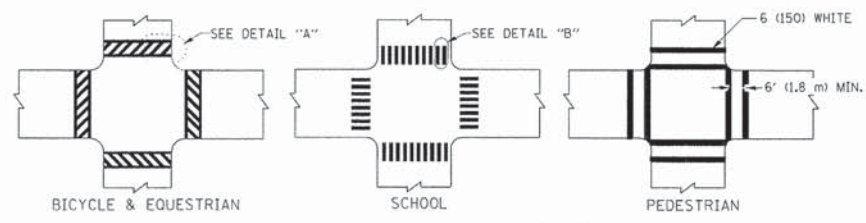


TYPICAL ISLAND MARKING

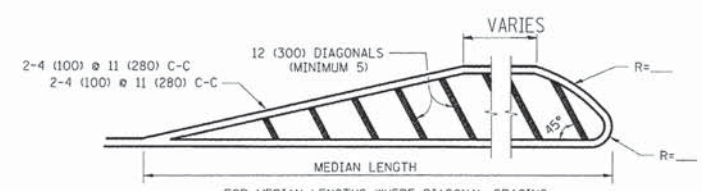


NOTE: MEDIANS WITH BARRIER CURB DO NOT REQUIRE AN EDGE LINE

TYPICAL LANE AND EDGE LINE MARKING



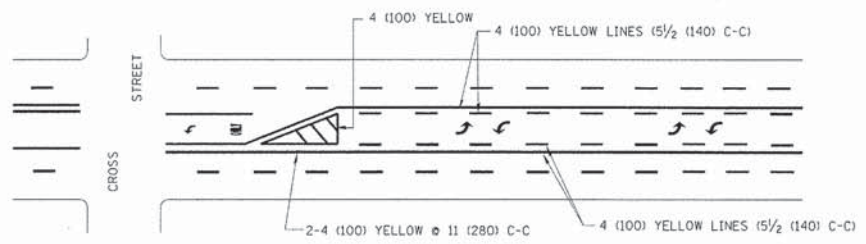
TYPICAL CROSSWALK MARKING



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

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

MEDIANS OVER 4' (1.2 m) WIDE

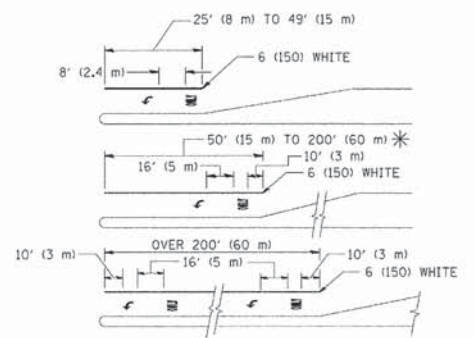


A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.



MEDIAN WITH TWO-WAY LEFT TURN LANE

TYPICAL PAINTED MEDIAN MARKING



FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED. AREA = 15.6 SQ. FT. (1.5 m<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".

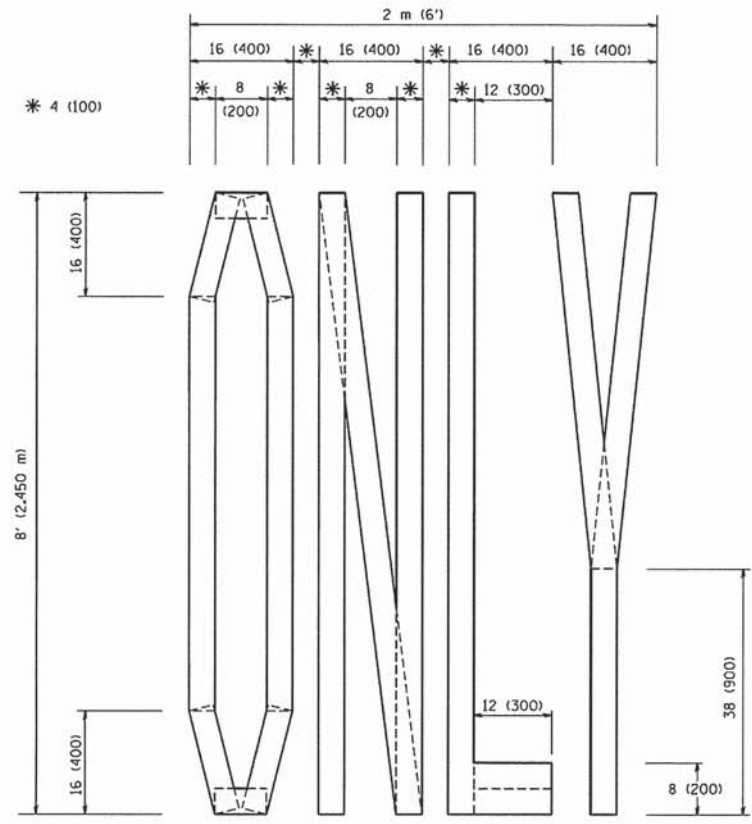
TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING

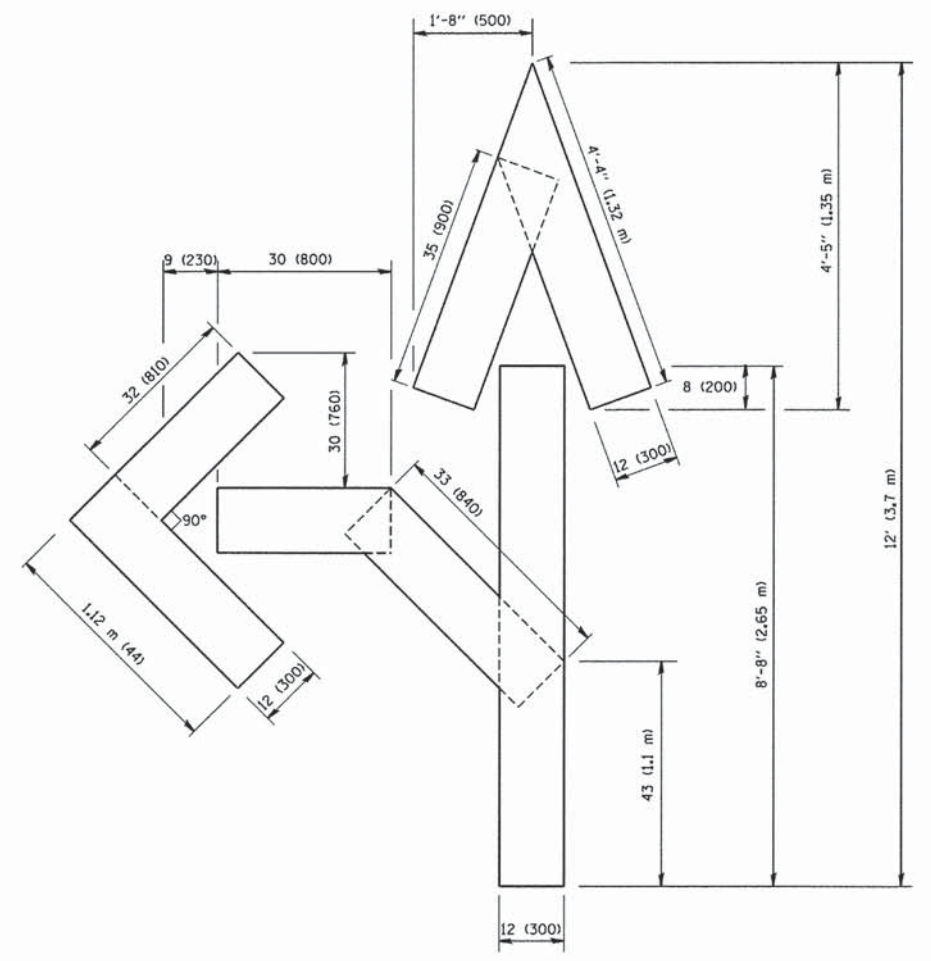
TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING / REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 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 MOUNTABLE MEDIANS IN YELLOW; EDGE LINES ARE NOT USED NEXT TO BARRIER CURB
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 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" 15' (4.5 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	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))

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

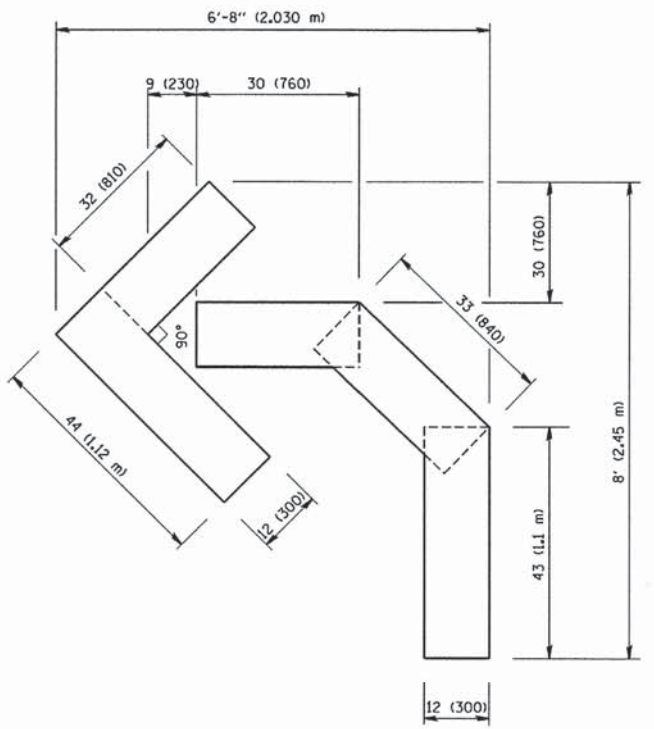
All dimensions are in inches (millimeters) unless otherwise shown.



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



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



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

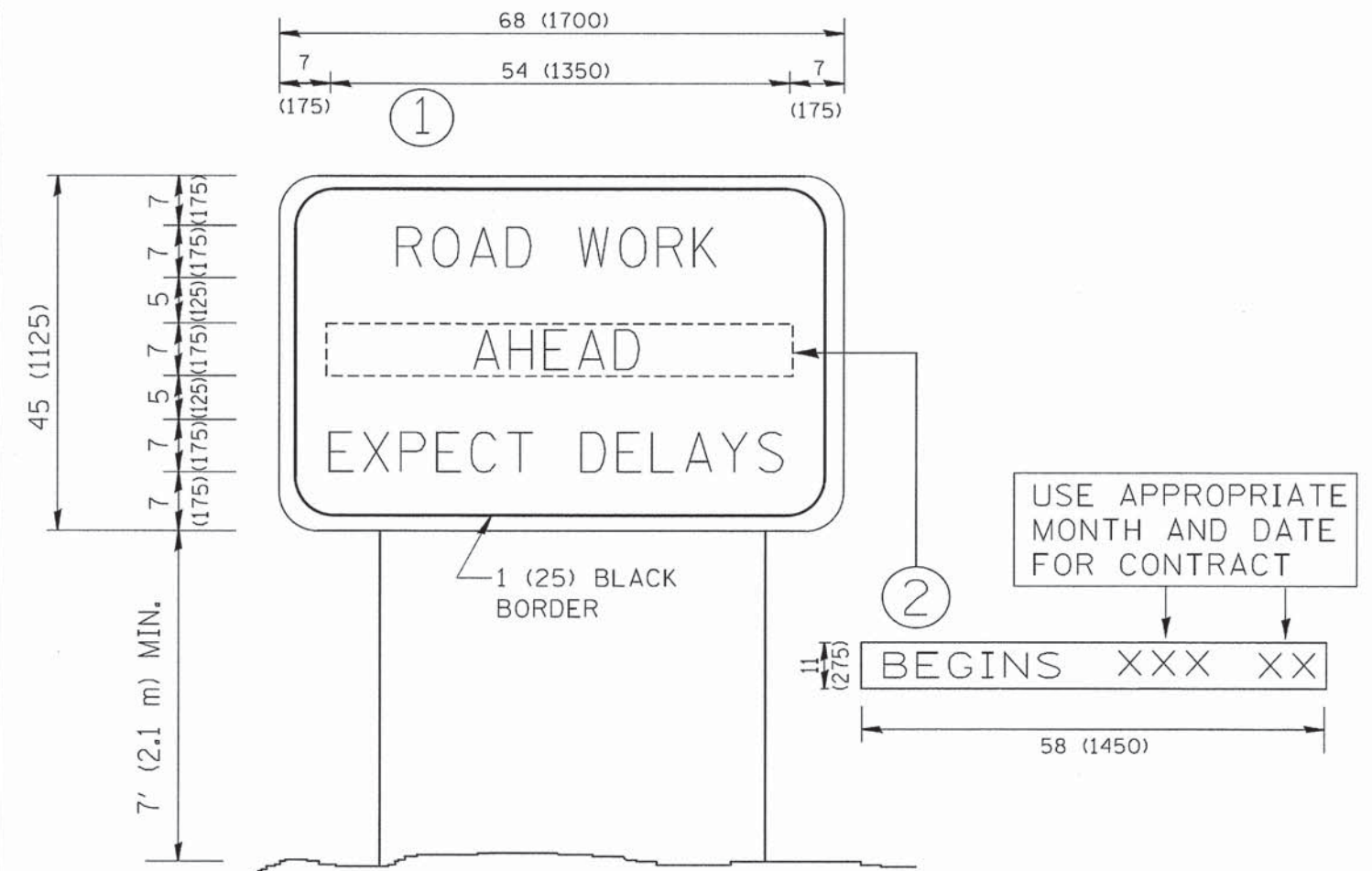
All dimensions are in inches (millimeters) unless otherwise shown.

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PLOT SCALE = 50.0000 "/td> <td>CHECKED -</td> <td>REVISED -T. RAMMACHER 03-02-98</td> <td></td>	CHECKED -	REVISED -T. RAMMACHER 03-02-98	
PLOT DATE = 1/4/2008	DATE = 09-18-94	REVISED -E. GOMEZ 08-28-00	

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING LETTERS AND SYMBOLS FOR TRAFFIC STAGING			
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1472	12-00080-00-R5	COOK	49	39
TC-16			CONTRACT NO. 61B53	
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.

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	PLLOT SCALE = 50.000 "/ IN.	CHECKED -	REVISED - T. RAMMACHER 02-02-99
	PLLOT DATE = 1/4/2008	DATE -	REVISED - C. JUCIUS 01-31-07

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

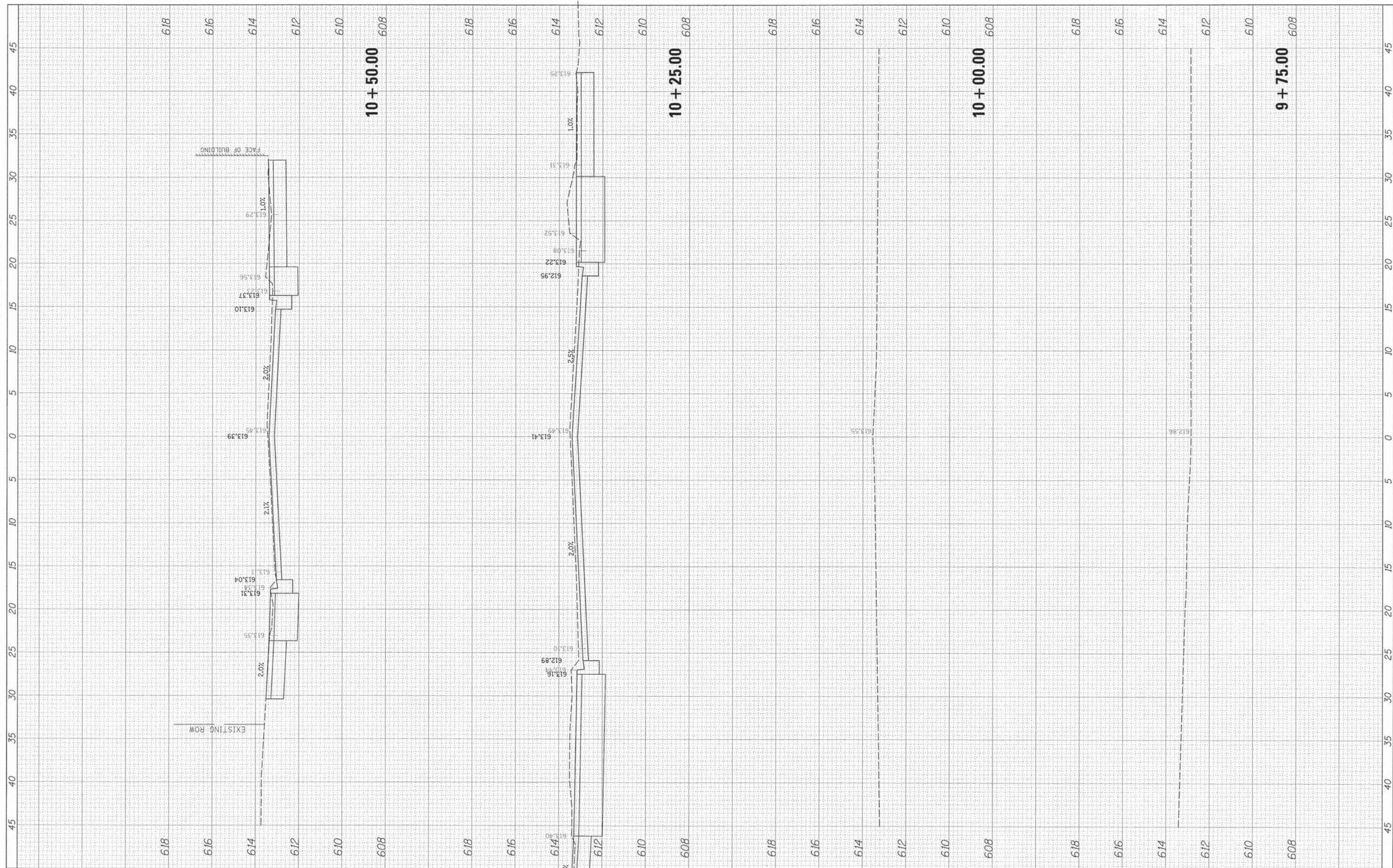
ARTERIAL ROAD INFORMATION SIGN		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.
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F.A. RTE. 1472	SECTION 12-00080-00-RS	COUNTY COOK	TOTAL SHEETS 49	SHEET NO. 40
TC-22		CONTRACT NO. 61B53		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



FINAL SURVEY	SUBMITTED	BY	DATE
NOTE BOOK	PLOTTED		
AREAS CHECKED	TEMPLATE		
	AREAS CHECKED		

ORIGINAL SURVEY	SUBMITTED	BY	DATE
NOTE BOOK	PLOTTED		
AREAS CHECKED	TEMPLATE		
	AREAS CHECKED		



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USER NAME = pmagralls  
 DESIGNED - OCG  
 DRAWN - PMM  
 CHECKED - OCG  
 DATE - 8/17/2015

REVISED -  
 REVISED -  
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 REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

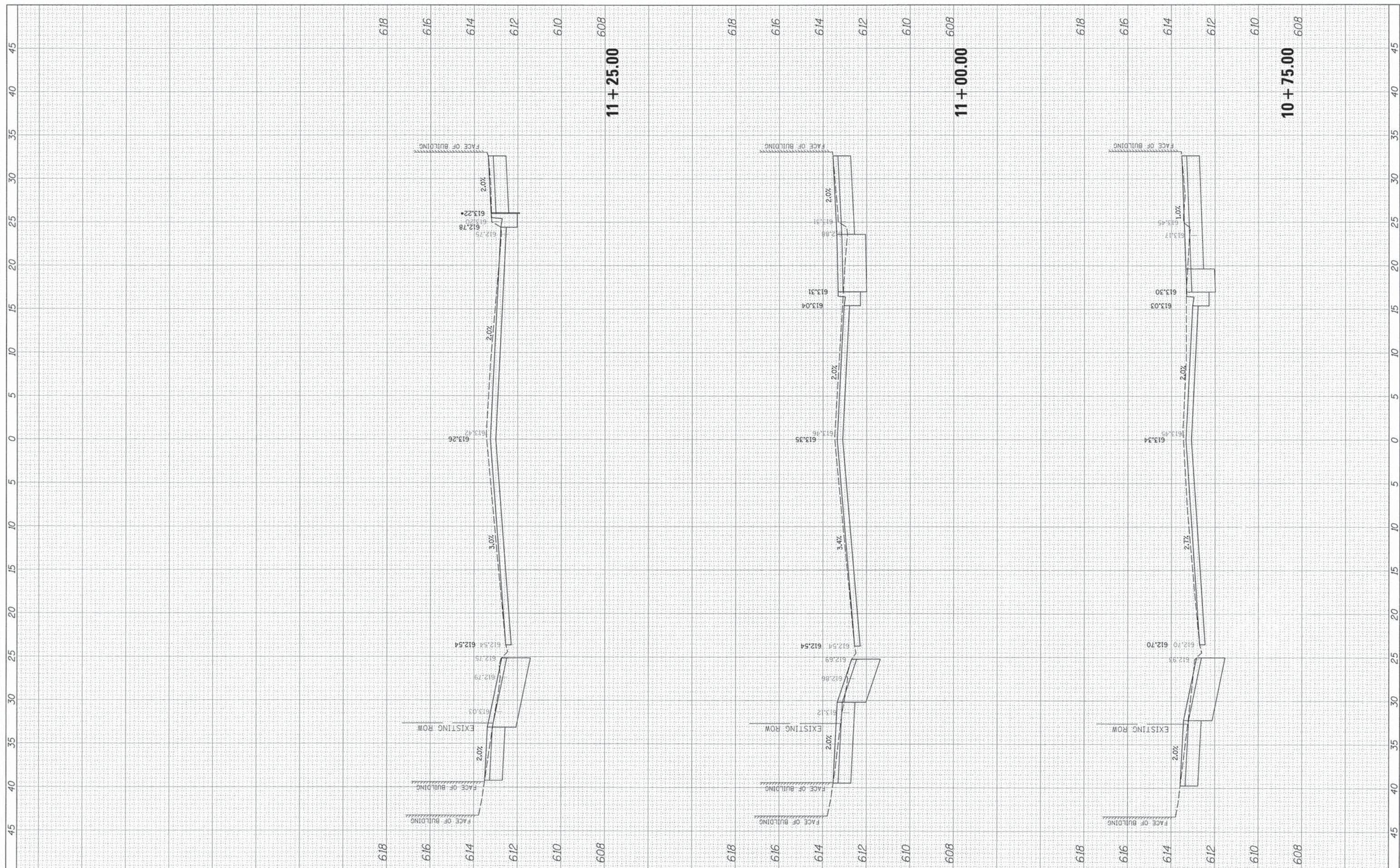
SCALE: 5' 2V SHEET OF SHEETS STA. 9+75.00 TO STA. 10+50.00

**CROSS SECTIONS  
 BURLINGTON STREET**

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1472	12-00080-00-RS	COOK	49	41
CONTRACT NO. 61853				
ILLINOIS FED. AID PROJECT				

FINAL SURVEY	BY	DATE
SURVEYED		
PLOTTED		
NOTE BOOK		
AREAS		
CHECKED		

ORIGINAL SURVEY	BY	DATE
SURVEYED		
PLOTTED		
NOTE BOOK		
AREAS		
CHECKED		



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 PLOT SCALE = 5"  
 PLOT DATE = 8/17/2015

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DRAWN	-	PMM	REVISED	-
CHECKED	-	OCG	REVISED	-
DATE	-		REVISED	-

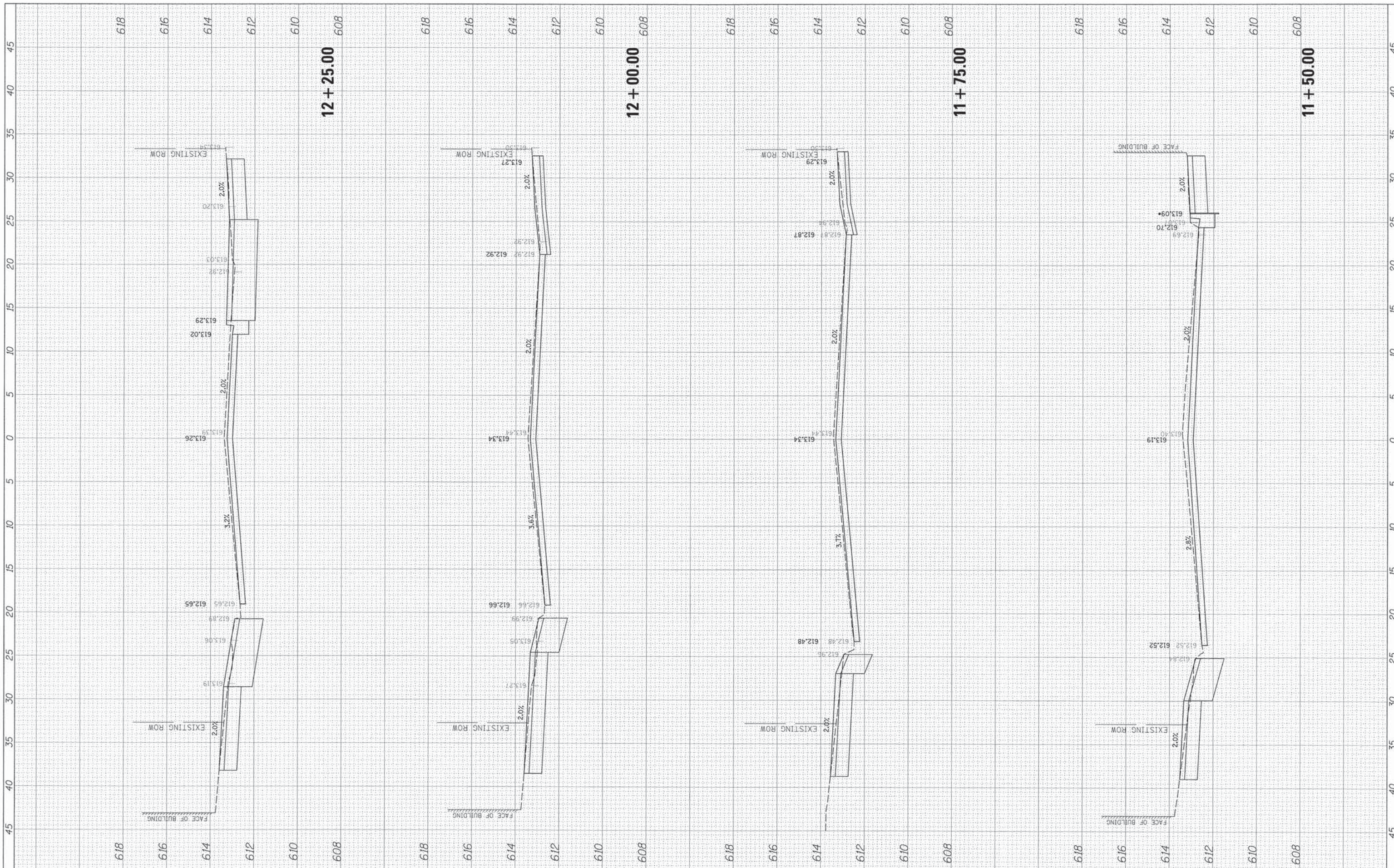
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS  
 BURLINGTON STREET**  
 SCALE: 5" 2V SHEET OF SHEETS STA. 10+75.00 TO STA. 11+25.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1472	12-00080-00-RS	COOK	49	42
CONTRACT NO. 61853				
ILLINOIS FED. AID PROJECT				

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

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



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 PLOT SCALE = 5'  
 PLOT DATE = 8/17/2015

DESIGNED - OCG	REVISED -
DRAWN - PMM	REVISED -
CHECKED - OCG	REVISED -
DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS  
 BURLINGTON STREET**  
 SCALE: 5' 2V SHEET OF SHEETS STA. 11+50.00 TO STA. 12+25.00

F.A. RTE. 1472	SECTION 12-00080-00-RS	COUNTY COOK	TOTAL SHEETS 49	SHEET NO. 43
CONTRACT NO. 61853				ILLINOIS FED. AID PROJECT

FINAL SURVEY	REVISIONS	DATE
NO. _____	PLotted	_____
NOTE BOOK	TEMPLATE	_____
AREAS	CHECKED	_____
NO. _____	AREAS	_____
	CHECKED	_____

ORIGINAL SURVEY	REVISIONS	DATE
NO. _____	PLotted	_____
NOTE BOOK	TEMPLATE	_____
AREAS	CHECKED	_____
NO. _____	AREAS	_____
	CHECKED	_____



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 PLOT SCALE = 5'  
 PLOT DATE = 8/17/2015

DESIGNED - OCG  
 DRAWN - PMM  
 CHECKED - OCG  
 DATE -

REVISED -  
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STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

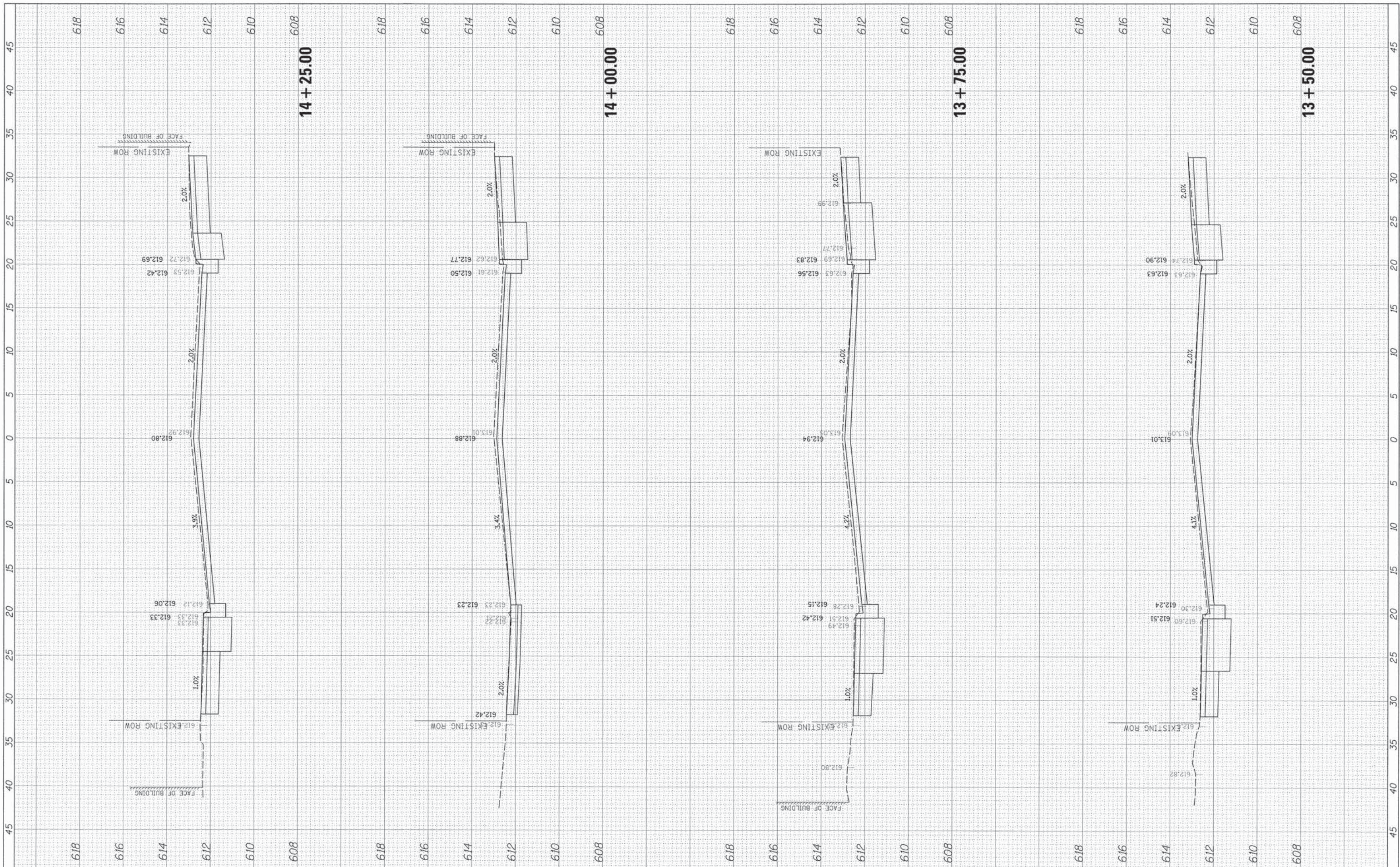
SCALE: 5' 2V SHEET OF SHEETS STA. 12+50.00 TO STA. 13+25.00

CROSS SECTIONS  
 BURLINGTON STREET

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1472	12-00080-00-RS	COOK	49	44
CONTRACT NO. 61853			ILLINOIS FED. AID PROJECT	

FINAL SURVEY NO.	DATE
REVISIONS	BY
NO.	
DATE	
DESCRIPTION	
BY	
DATE	

ORIGINAL SURVEY NO.	DATE
REVISIONS	BY
NO.	
DATE	
DESCRIPTION	
BY	
DATE	



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 PLOT SCALE: 5'  
 PLOT DATE: 8/17/2015

DESIGNED - OCG  
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 DATE -

REVISED -  
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STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

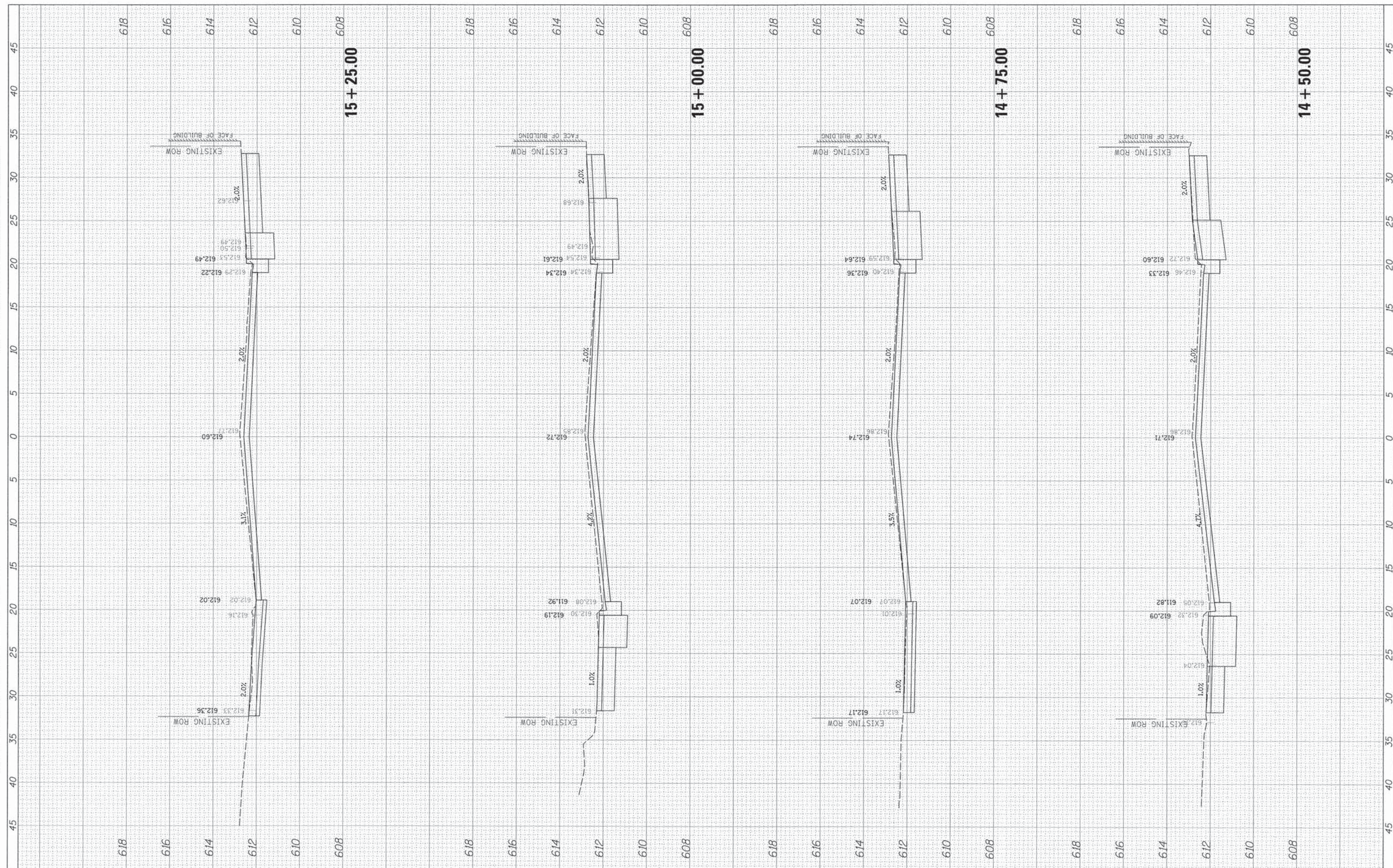
SCALE: 5' 2V SHEET OF SHEETS STA. 13+50.00 TO STA. 14+25.00

CROSS SECTIONS  
 BURLINGTON STREET

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1472	12-00080-00-R5	COOK	49	45
CONTRACT NO. 61853				
ILLINOIS FED. AID PROJECT				

FINAL SURVEY	DATE
NO. _____	BY _____
DESIGNED	DATE
PLOTTED	BY _____
TEMPLATE	DATE
AREAS CHECKED	BY _____
AREAS CHECKED	DATE

ORIGINAL SURVEY	DATE
NO. _____	BY _____
DESIGNED	DATE
PLOTTED	BY _____
TEMPLATE	DATE
AREAS CHECKED	BY _____
AREAS CHECKED	DATE



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 PLOT SCALE = 5'  
 PLOT DATE = 8/17/2015

DESIGNED - OCG  
 DRAWN - PMM  
 CHECKED - OCG  
 DATE -

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

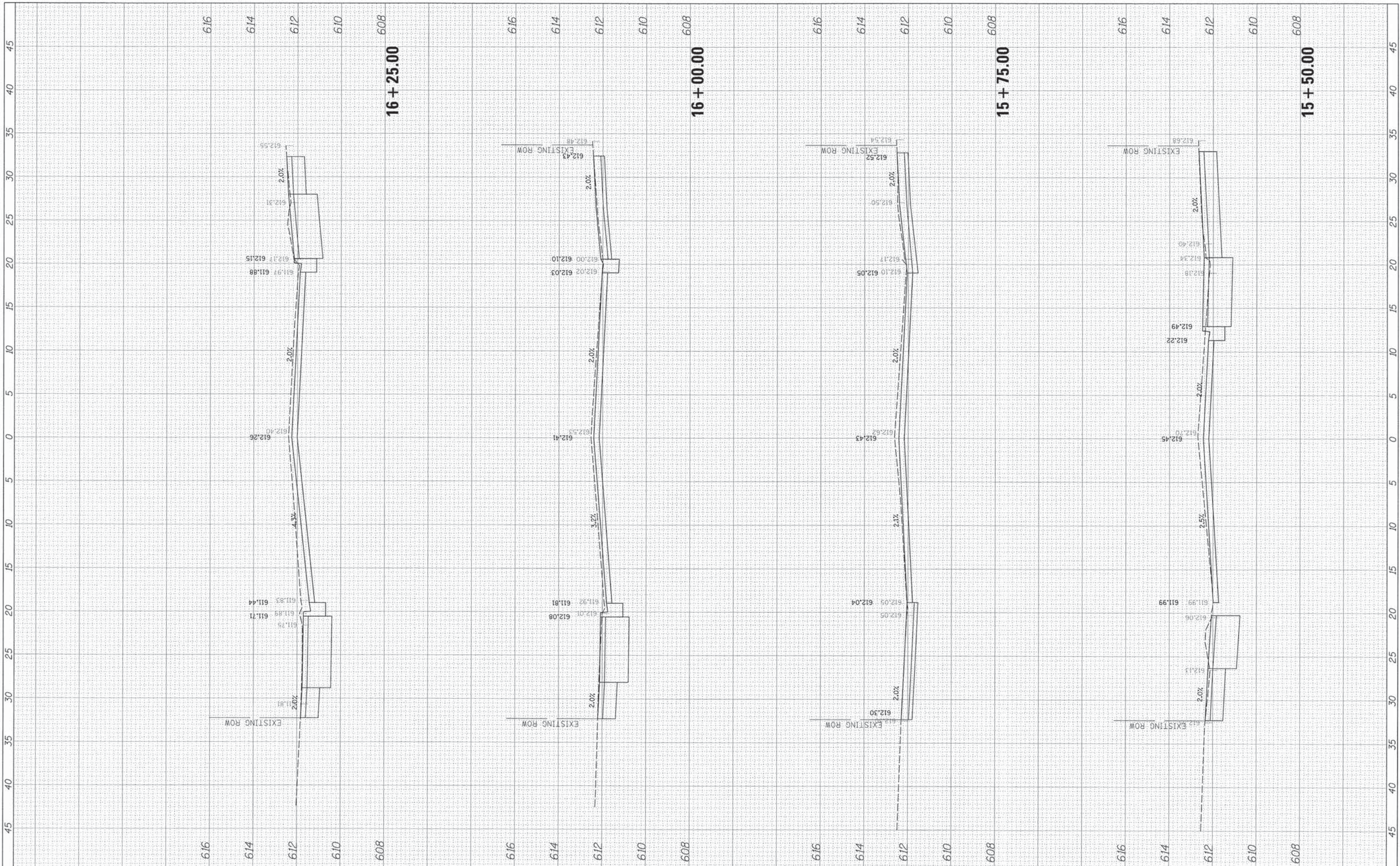
SCALE: 5' 2V SHEET OF SHEETS STA. 14+50.00 TO STA. 15+25.00

**CROSS SECTIONS  
 BURLINGTON STREET**

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1472	12-00080-00-RS	COOK	49	46
CONTRACT NO. 61853			ILLINOIS FED. AID PROJECT	

FINAL SURVEY NO.	SCANNED SURVEY NO.	DATE
NOTE BOOK NO.	TEMPLATE AREAS CHECKED	

ORIGINAL SURVEY NO.	SCANNED SURVEY NO.	DATE
NOTE BOOK NO.	TEMPLATE AREAS CHECKED	



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 PLOT SCALE = 5'  
 PLOT DATE = 8/17/2015

DESIGNED - OCG	REVISIED -
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CHECKED - OCG	REVISIED -
DATE -	REVISIED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

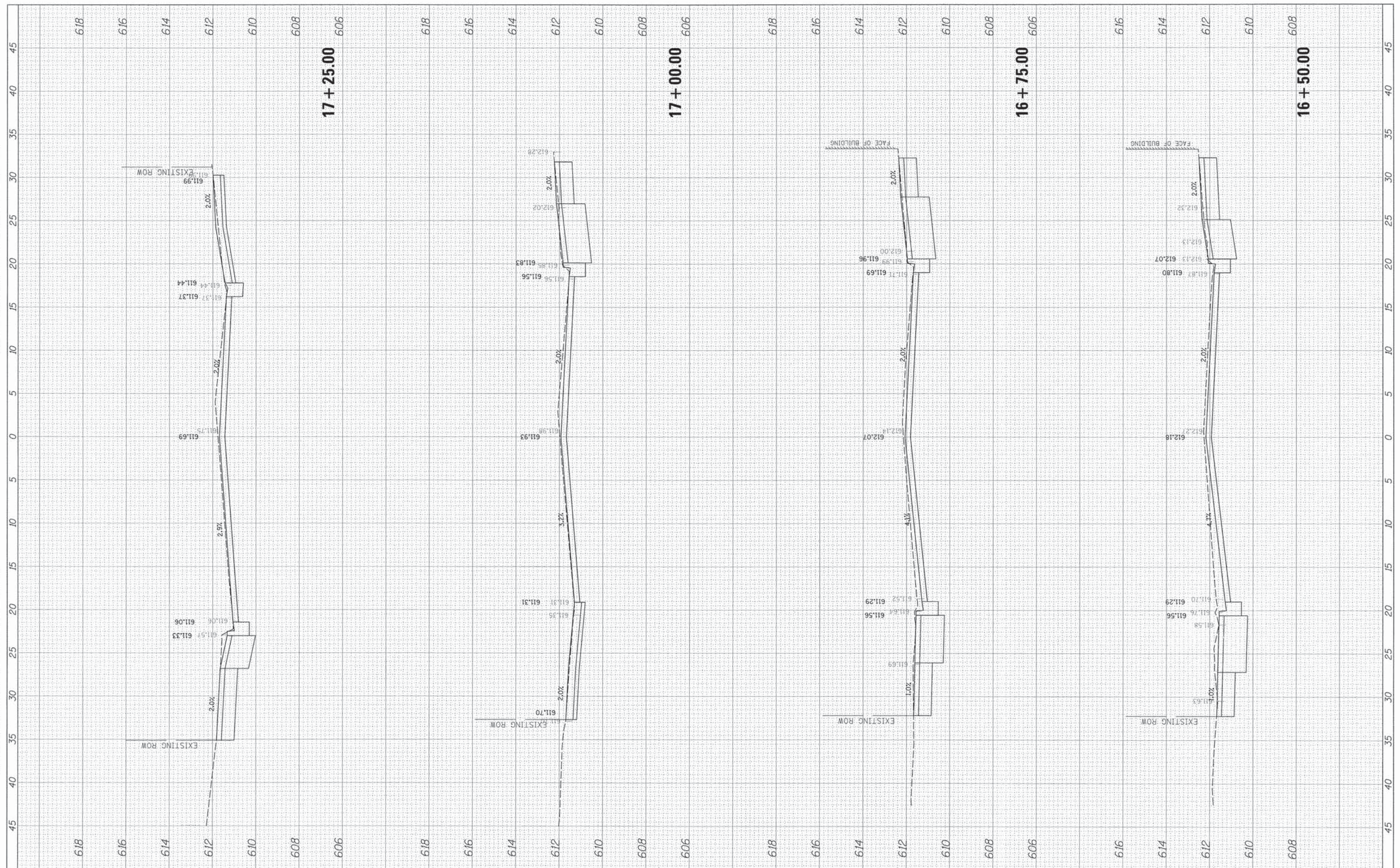
**CROSS SECTIONS  
BURLINGTON STREET**

SCALE: 5' 2V SHEET OF SHEETS STA. 15+50.00 TO STA. 16+25.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1472	12-00080-00-RS	COOK	49	47
CONTRACT NO. 61853				
[ILLINOIS] FED. AID PROJECT				

FINAL SURVEY NO.	DESIGNED	BY	DATE
	PLOTTED		
	TEMPLATE		
	AREAS CHECKED		

ORIGINAL SURVEY NO.	DESIGNED	BY	DATE
	PLOTTED		
	TEMPLATE		
	AREAS CHECKED		



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 PLOT DATE = 8/17/2015

DESIGNED - OCG  
 DRAWN - PMM  
 CHECKED - OCG  
 DATE -

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

SCALE: 5' 2V SHEET OF SHEETS STA. 16+50.00 TO STA. 17+25.00

**CROSS SECTIONS  
 BURLINGTON STREET**

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1472	12-00080-00-RS	COOK	49	48
CONTRACT NO. 61853				
ILLINOIS FED. AID PROJECT				



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

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



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DRAWN	-	PMM	REVISED	-
CHECKED	-	OCG	REVISED	-
DATE	-		REVISED	-

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS  
 BURLINGTON STREET**  
 SCALE: 5' 2V SHEET OF SHEETS STA. 17+50.00 TO STA. 18+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1472	12-00080-00-RS	COOK	49	49
CONTRACT NO. 61853				
ILLINOIS FED. AID PROJECT				