FOR INDEX OF SHEETS, SEE SHEET NO. 2
FOR INDEX OF HIGHWAY STANDARDS, SHEE SHEET NO. 2

03-09-2018 LETTING ITEM 064

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3524	10-00149-01-LS	COOK	69	1
	ILLINOIS	CONTRACT NO. 61E27		

STATE OF ILLINOIS

DEPARTMENT OF TRANSPORTATION

PLANS FOR PROPOSED FEDERAL AID HIGHWAY

FAU 3524 (NORTHWEST HIGHWAY)

TOUHY AVENUE TO WASHINGTON STREET

LIGHTING, RESURFACING AND STREETSCAPE

SECTION 10-00149-01-LS

PROJECT NO. JGE4(887)

CITY OF PARK RIDGE

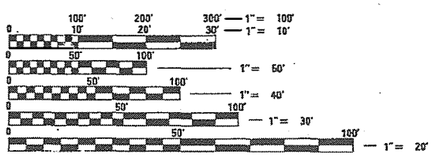
COOK COUNTY

C-91-092-18

LOCATION OF SECTION INDICATED THUS:- ▬

PROGRAM AND OFFICE ENGINEER: CHARLES F. RIDDLE, PE (847) 705—4406, SCHAMBURG, IL

STREET	FUNCTIONAL CLASSIFICATION	AVERAGE DAILY TRAFFIC VPD (2011)	POSTED SPEED LIMIT (MPH)	DESIGN SPEED LIMIT
NORTHWEST HWY	MINOR ARTERIAL	14000	25	25

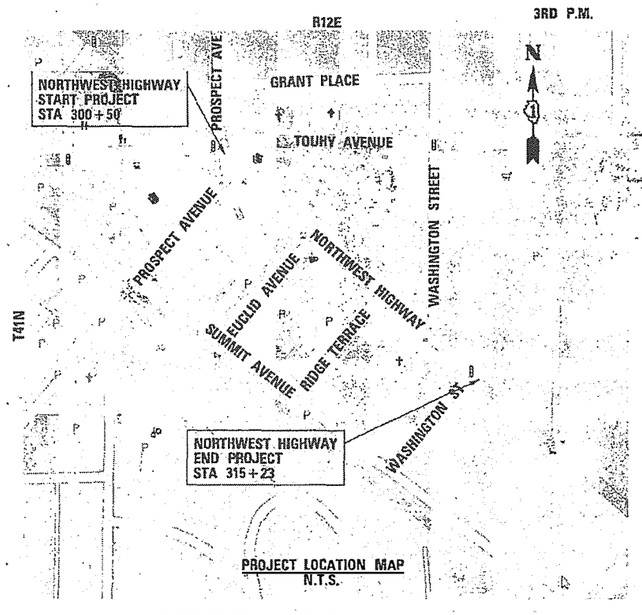


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

IMPROVEMENTS LOCATED WITHIN CITY OF PARK RIDGE, MAINE TOWNSHIP

MEADE ELECTRIC CO.
DISTRICT ONE ELECTRICAL MAINTENANCE CONTRACTOR
LOCATES IDOT ELECTRICAL EQUIPMENT AND UNDERGROUND CABLES
773-287-7672



PROJECT LOCATION MAP
N.T.S.

GROSS LENGTH = 1473 FT. = 0.28 MILE
NET LENGTH = 1473 FT. = 0.28 MILE

CONTRACT NO. 61E27

CIVIL ENGINEER: JAMES C. KAPUSTIAK, P.E.
ILLINOIS REGISTRATION NO.: 062-054942
EXPIRATION DATE: 11/30/2019
PROFESSIONAL DESIGN FIRM NO.: 184-001157
EXPIRATION DATE: 04/30/2019
THESE PLANS OR ANY PART THEREOF SHALL BE CONSIDERED VOID WITHOUT THE SIGNATURE, SEAL, AND EXPIRATION DATE OF SEAL OF THE ENGINEER
10-9-17 DATE
JAMES C. KAPUSTIAK — STATE OF ILLINOIS

ELECTRICAL ENGINEER: ANTHONY J. DeRICCO, P.E.
ILLINOIS REGISTRATION NO.: 062-057484
EXPIRATION DATE: 11/30/2019
PROFESSIONAL DESIGN FIRM NO.: 184-001175
EXPIRATION DATE: 04/30/2019
THESE PLANS OR ANY PART THEREOF SHALL BE CONSIDERED VOID WITHOUT THE SIGNATURE, SEAL, AND EXPIRATION DATE OF SEAL OF THE ENGINEER
10-9-17 DATE
062-057484 — ANTHONY J. DeRICCO — ILLINOIS

APPLIES ONLY TO SHEETS 38 - 50

CONSULTING ENGINEERS
SITE DEVELOPMENT ENGINEERS
LAND SURVEYORS
9575 W. Higgins Road, Suite 700
Rosemont, Illinois 60018
Phone: (847) 696-4060 Fax: (847) 696-4065

LAKOTA

CHRISTOPHER B. BURKE
9575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

APPROVED October 5, 2017
CITY ENGINEER, CITY OF PARK RIDGE

PASSED November 13 2017
DISTRICT ONE ENGINEER OF LOCAL ROADS AND STREETS

RELEASING FOR BID BASED ON LIMITED REVIEW Nov. 17 2017
REGIONAL ENGINEER

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

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424006-03	DIAGONAL CURB RAMPS FOR SIDEWALKS
424011-03	CORNER PARALLEL CURB RAMPS FOR SIDEWALK
424016-04	MID-BLOCK CURB RAMP FOR SIDEWALK
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424026-02	ENTRANCE/ALLEY PEDESTRIAN CROSSINGS
606001-07	CONCRETE CURB TYPE B AND COMBINATION CURB AND GUTTER
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701901-07	TRAFFIC CONTROL DEVICES
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BD400-05 (BD-32)	BUTT JOINT AND HMA TAPER DETAILS
BD400-06 (BD-33)	HMA TAPER AT EDGE OF P.C.C. PAVEMENT
BD600-03 (BD-8)	DETAIL FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING
BD600-06 (BD-24)	CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT
TC-10	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS
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TS-05	DISTRICT ONE TRAFFIC SIGNAL DESIGN DETAILS
TS-07	DISTRICT ONE DETECTOR LOOP INSTALATION DETAIL FOR ROADWAY RESURFACING

GENERAL NOTES, SPECIFICATIONS, AND SPECIAL PROVISIONS

1. THE LOCATION OF DRAINAGE STRUCTURES, STORM SEWERS, WATERMAINS, SANITARY SEWERS, AND OTHER PUBLIC OR PRIVATE UTILITIES AS SHOWN ON THE PLANS IS APPROXIMATE AND THEIR EXACT LOCATION IS TO BE DETERMINED IN THE FIELD BY THE CONTRACTOR.

2. THESE DRAWINGS ASSUME THAT THE CONTRACTOR WILL UTILIZE AN ELECTRONIC DRAWING FILE AND STAKE ALL SITE IMPROVEMENTS USING COORDINATES TIED INTO THE PROVIDED CONTROL POINTS. THE DIMENSIONS INDICATED ON THE DRAWINGS ARE FOR THE CONVENIENCE OF THE CONTRACTOR ONLY.

3. THE CONTRACTOR SHALL TAKE ALL NECESSARY SAFETY PRECAUTIONS TO PROTECT ABUTTING PROPERTY, UTILITIES, PEDESTRIANS, AND VEHICULAR TRAFFIC.

4. THE CONTRACTOR IS RESPONSIBLE FOR ADJUSTING ALL EXISTING UTILITIES AND STRUCTURES AS NECESSARY TO THE FINAL PROPOSED SURFACE PROFILE GRADES. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL COORDINATION WITH CITY DEPARTMENTS AND UTILITY OWNERS.

5. THE CONTRACTOR SHALL MAINTAIN SURFACE DRAINAGE OF THE ROAD DURING CONSTRUCTION.

6. THE CONTRACTOR SHALL NOTIFY JULIE AND NON-JULIE UTILITY COMPANIES FOR FIELD LOCATIONS OF THEIR FACILITIES PRIOR TO BEGINNING CONSTRUCTION. THE CONTRACTOR WILL BE RESPONSIBLE FOR THE MAINTENANCE AND PRESERVATION OF THESE FACILITIES. ALL UTILITY LOCATIONS SHOWN MUST BE VERIFIED BY THE CONTRACTOR IN THE FIELD.

7. CARE MUST BE TAKEN FOR ANY EARTH EXCAVATION NEAR EXISTING TREES SO THAT DAMAGE TO THE TREE ROOTS DOES NOT OCCUR.

8. WHEN CONCRETE REMOVAL IS REQUIRED, IT MUST BE ACCOMPLISHED BY SAWCUT, SLEDGES, AND PNEUMATIC HAND TOOLS. EQUIPMENT AND METHODS USED MUST BE SUCH AS TO PREVENT CRACKING, SHATTERING OR SPALLING OF CONCRETE THAT IS TO REMAIN.

9. CONTRACTOR MUST SAWCUT AND HAND BREAK FOR SIDEWALK REMOVAL AT THE R.O.W. BUILDING LINE TO AVOID DAMAGE TO ADJACENT PROPERTIES.

10. WHEN PLACING CONCRETE ADJACENT TO PRIVATE PROPERTY, THE CONTRACTOR MUST PROTECT PROPERTY (VISQUEEN, ETC.) TO AVOID CONCRETE SPLATTER AND/OR DAMAGE.

11. BUTT JOINTS WILL BE INSTALLED AT THE ENDS OF ALL RESURFACING (WHERE RESURFACING MEETS EXISTING PAVEMENT), IN ACCORDANCE WITH THE "BUTT JOINT AND HMA TAPER DETAILS" SHEET INCLUDED IN THE PLANS, UNLESS OTHERWISE SPECIFIED.

12. THE THICKNESS OF HOT-MIX ASPHALT MIXTURES SHOWN IN THE PLANS ARE NOMINAL. DEVIATIONS MAY OCCUR DUE TO IRREGULARITIES IN THE SURFACES OR BASIS ON WHICH THEY ARE TO BE PLACED. PLAN THICKNESS SHOULD BE CONSIDERED THE MINIMUM THICKNESS CONSIDERED.

13. DETECTABLE WARNINGS FOR THE HANDICAPPED SHALL BE INSTALLED AT ALL INTERSECTING STREETS, SIGNALIZED COMMERCIAL DRIVEWAYS, AND SIGNALIZED ALLEYS AS DIRECTED BY THE ENGINEER. CONTRACTOR SHALL VERIFY THAT ALL SLOPES MEET ADA REQUIREMENTS PRIOR TO INSTALLING SIDEWALK DETECTABLE WARNINGS AND ADJACENT CURB AND GUTTER.

14. PAVEMENT GRADES: THE ELEVATIONS INDICATED ON THE PLANS ARE FINISHED GRADES OF PROPOSED PAVEMENT OR SURFACE COURSE, UNLESS OTHERWISE INDICATED.

15. THE CONTRACTOR SHALL CONTACT THE IDOT ARTERIAL DISTRICT ONE TRAFFIC CONTROL SUPERVISOR AT (847) 705-4470 A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.

16. THE CONTRACTOR SHALL ADVISE THE POLICE AND FIRE DEPARTMENTS DAILY AS TO WHAT STREETS, IF ANY, ARE TO BE CLOSED OR PARTIALLY BLOCKED SO THAT THEY CAN EFFICIENTLY ROUTE THEIR EMERGENCY VEHICLES.

CITY OF PARK RIDGE	POLICE DEPARTMENT TELEPHONE NO.	FIRE DEPARTMENT TELEPHONE NO.
847-318-5200	847-318-5252	847-318-5283

17. THE RESIDENT ENGINEER SHALL CONTACT DON CHIARUGI, AREA TRAFFIC FIELD ENGINEER AT DON.CHIARUGI@ILLINOIS.COM A MINIMUM OF 2 WEEKS PRIOR TO PLACEMENT OF FINAL PAVEMENT MARKINGS.

18. ELEVATIONS ARE BASED ON CITY OF PARK RIDGE DATUM. CITY OF PARK RIDGE DATUM IS ON THE USGS/NOAA DATUM.

19. THE GENERAL CONTRACTOR IS REQUIRED TO HIRE AN ENVIRONMENTAL FIRM WITH AT LEAST FIVE (5) DOCUMENTED LEAKING UNDERGROUND STORAGE TANK CLEANUPS OR THAT IS PRE-QUALIFIED IN HAZARDOUS WASTE BY DEPARTMENT TO REMEDIATE THE SOIL CONTAMINATION AND MONITOR FOR WORKER PROTECTION.

20. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MANAGING PARKING STALL ACCESS WITHIN THE COMMUTER PARKING LOT.

FILE NAME = 3737_21GN01.DGN	USER NAME = bstanuch	DESIGNED - BS	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 1:1	CHECKED - JCK	REVISED -
	PLOT DATE = 1/2/2018	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3524	10-00149-01-LS	COOK	69	2
		CONTRACT NO. 61E27		
	ILLINOIS FED. AID PROJECT			

SI	SP	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ITEP TRAINEES 80/20 (%) 0042	ITEP LANDSCAPING 80/20 (%) 0031	ITEP LIGHTING 80/20 (%) 0031	ITEP LIGHTING 50/50 (%) 0031	NON-PARTICIPATING ROADWAY 100% 0004
X		20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	238		238			
X		20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	57		57			
		20101000	TEMPORARY FENCE	FOOT	642		642			
X		20101100	TREE TRUNK PROTECTION	EACH	3		3			
		20200100	EARTH EXCAVATION	CU YD	388		388			
		20800150	TRENCH BACKFILL	CU YD	290			290		
		21101625	TOPSOIL FURNISH AND PLACE, 6"	SQ YD	80		80			
X		21101800	COMPOST FURNISH AND PLACE , 1"	SQ YD	220		220			
X		25200110	SODDING, SALT TOLERANT	SQ YD	80		80			
X		25200200	SUPPLEMENTAL WATERING	UNIT	5		5			
		28000510	INLET FILTERS	EACH	17					17
		28200200	FILTER FABRIC	SQ YD	1450		1162			288
		35101600	AGGREGATE BASE COURSE, TYPE B 4"	SQ YD	146		146			
		35101800	AGGREGATE BASE COURSE, TYPE B 6"	SQ YD	1792		1418			374
		35102200	AGGREGATE BASE COURSE, TYPE B 10"	SQ YD	60					60
		40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	20					20
		40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	2316					2316
		40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	84					84
		40600990	TEMPORARY RAMP	SQ YD	92					92
		40603085	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70	TON	1					1
		40603340	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	TON	562					562
		42300400	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH	SQ YD	176		176			
		42400100	PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH	SQ FT	1230		1230			
		42400800	DETECTABLE WARNINGS	SQ FT	30		30			

SI	SP	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ITEP TRAINEES 80/20 (%) 0042	ITEP LANDSCAPING 80/20 (%) 0031	ITEP LIGHTING 80/20 (%) 0031	ITEP LIGHTING 50/50 (%) 0031	NON-PARTICIPATING ROADWAY 100% 0004
		44000100	PAVEMENT REMOVAL	SQ YD	236		176			60
		44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	SQ YD	5016					5016
		44000300	CURB REMOVAL	FOOT	321		321			
		44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	1781		1781			
		44000600	SIDEWALK REMOVAL	SQ FT	19006		16016			2990
		44201696	CLASS D PATCHES, TYPE IV, 4 INCH	SQ YD	25					25
X		56500200	DOMESTIC WATER SERVICE BOXES TO BE MOVED	EACH	6		6			
X	*	56500600	DOMESTIC WATER SERVICE BOXES TO BE ADJUSTED	EACH	11		11			
X		60266600	VALVE BOXES TO BE ADJUSTED	EACH	21		21			
	*	60604100	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (MODIFIED)	FOOT	2035		2035			
X		66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	445		445			
X		66900450	SPECIAL WASTE PLANS AND REPORTS	L SUM	1		1			
X		66900530	SOIL DISPOSAL ANALYSIS	EACH	9		9			
		67100100	MOBILIZATION	L SUM	1		1			
X		72000100	SIGN PANEL - TYPE 1	SQ FT	4		4			
X		72400310	REMOVE SIGN PANEL - TYPE 1	SQ FT	117		117			
X		72400710	RELOCATE SIGN PANEL - TYPE 1	SQ FT	117		117			
X		73700100	REMOVE GROUND MOUNTED SIGN SUPPORT	EACH	6		6			
X		78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	30					30
X		78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	980					980
X		78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	160					160
X		78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	492					492
X		78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	86					86
X		78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	33					33
X		78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	25					25

SI - SPECIALTY ITEMS

FILE NAME = 3737.21SUM01.dgn	USER NAME = batanuch	DESIGNED - BS	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 1:1	CHECKED - JCK	REVISED -
	PLOT DATE = 11/13/2017	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES – 1

SCALE: | SHEET 1 OF 3 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3524	10-00149-01-LS	COOK	69	3
		CONTRACT NO. 61E27		
	ILLINOIS FED. AID PROJECT			

SI	SP	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ITEP TRAINEES 80/20 (%) 0042	ITEP LANDSCAPING 80/20 (%) 0031	ITEP LIGHTING 80/20 (%) 0031	ITEP LIGHTING 50/50 (%) 0031	NON-PARTICIPATING ROADWAY 100% 0004
X	*	81028240	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	200			200		
X	*	81028260	UNDERGROUND CONDUIT. GALVANIZED STEEL, 6"DIA.	FOOT	100			100		
X		81028710	UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 3/4" DIA.	FOOT	710			710		
X		81028730	UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 1 1/4"DIA.	FOOT	2050			2050		
X		81028740	UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 1 1/2"DIA.	FOOT	3510			3510		
X		81028750	UNDERGROUND CONDUIT. COILABLE NONMETALLIC CONDUIT. 2"DIA.	FOOT	150			150		
X		81702110	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 10	FOOT	3095			3095		
X		81702130	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 6	FOOT	47430			47430		
X		83600200	LIGHT POLE FOUNDATION, 24" DIAMETER	FOOT	200				200	
X		83600352	LIGHT POLEFOUNDATION, METAL, 11 1/2" BOLTCIRCLE, 8 5/8"x 6'	EACH	5			5		
X		84200500	REMOVAL OF LIGHTING UNIT, SALVAGE	EACH	9				9	
X	*	85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	2					2
X	*	88600600	DETECTOR LOOP REPLACEMENT	FOOT	450					450
X	*	89502380	REMOVE EXISTING HANDHOLE	EACH	6			6		
X		89502400	REMOVE EXISTING FLASHING BEACON INSTALLATION COMPLETE	EACH	2		2			
	*	Z0003850	BENCHES	EACH	2					2
		Z0013798	CONSTRUCTION LAYOUT	L SUM	1		1			
	*	Z0017400	DRAINAGE & UTILITY STRUCTURES TO BE ADJUSTED	EACH	36		36			
	*	Z0018500	DRAINAGE STRUCTURES TO BE CLEANED	EACH	17					17
	*	Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	50		50			
X	*	Z0033028	MAINTENANCE OF LIGHTING SYSTEM	CAL MO	6			6		
	*	Z0049600	REFUSE CONTAINER TOP AND BASE	EACH	9					9
	*	Z0075496	CONCRETE RETAINING WALL REMOVAL	FOOT	40		40			
	*	Z0076600	TRAINEES	HOUR	500	500				
	*	Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	HOUR	500	500				

SI	SP	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ITEP TRAINEES 80/20 (%) 0042	ITEP LANDSCAPING 80/20 (%) 0031	ITEP LIGHTING 80/20 (%) 0031	ITEP LIGHTING 50/50 (%) 0031	NON-PARTICIPATING ROADWAY 100% 0004
X	*	K0012974	PARENNIAL PLANTS, ORNAMENTAL TYPE, 3" POT	UNIT	12.72		12.72			
X	*	K0012975	PERENNIAL PLANTS, ORNAMENTAL TYPE, 4" POT	UNIT	2.52		2.52			
X	*	K0012990	PERENNIAL PLANTS, ORNAMENTAL TYPE, GALLON POT	UNIT	1.27		1.27			
X	*	K0026830	SHRUB REMOVAL	EACH	10		10			
X	*	K1001988	IRRIGATION SYSTEM SPECIAL	L SUM	1		1			
X	*	X0300635	PLANTER	EACH	42		42			
	*	X0321158	PARK BENCHES	EACH	2					2
X	*	X0323117	LANDSCAPING GRAVEL	SQ YD	32		32			
X	*	X0324058	OUTLET SPECIAL	EACH	12			12		
	*	X0324788	GRANITE PAVERS	SQ FT	198		171			27
	*	X0325942	CONCRETE LANDING SLAB	SQ FT	5993		5705			288
X	*	X0326498	GFCI 20 AMP DUPLEX RECEPTACLE	EACH	28		28			
X	*	X0326654	ORNAMENTAL LIGHT UNIT, COMPLETE	EACH	16			16		
	*	X0326864	BRICK SIDEWALK REMOVAL	SQ FT	5850		5850			
X	*	X0326899	SOLAR-POWERED FLASHING BEACON ASSEMBLY (COMPLETE)	EACH	2		2			
X	*	X0326981	ENGINEERED SOIL FURNISH AND PLACE (SPECIAL)	CU YD	196		196			
	*	X0327146	RELOCATE BIKE RACK	EACH	2		2			
	*	X0327149	RELOCATE BENCH	EACH	1		1			
X	*	X0327552	TREE GRATE REMOVAL	EACH	1		1			
X	*	X0327814	PLANTING SOIL MIX FURNISH AND PLACE, 24"	SQ YD	250		250			
X	*	X0539800	TREE GRATES	EACH	12		12			
	*	X0540000	BRICK PAVERS	SQ FT	3815		3770			45
	*	X2080250	TRENCH BACKFILL, SPECIAL	CU YD	42		42			
	*	X4200408	PORTLAND CEMENT CONCRETE PAVEMENT 8 ", SPECIAL	SQ YD	52					52
	*	X4240430	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH, SPECIAL	SQ FT	16130		12760			3370
X	*	X6300230	STEEL POSTS	EACH	5		5			
	*	X7010216	TRAFFIC CONTROL AND PROTECTION (SPECIAL)	L SUM	1		1			

SI - SPECIALTY ITEMS

FILE NAME = 3737.21SUM02.dgn	USER NAME = bstanuch	DESIGNED - BS	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 1:1	CHECKED - JCK	REVISED -
	PLOT DATE = 11/13/2017	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES – 2

SCALE: | SHEET 2 OF 3 SHEETS | STA. | TO STA.

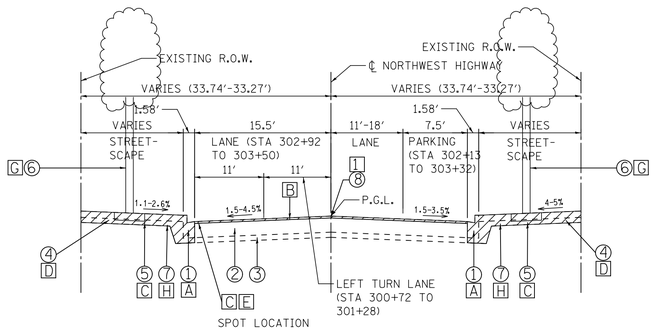
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3524	10-00149-01-LS	COOK	69	4
		CONTRACT NO. 61E27		
	ILLINOIS	FED. AID PROJECT		

SI	SP	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ITEP TRAINEES 80/20 (%) 0042	ITEP LANDSCAPING 80/20 (%) 0031	ITEP LIGHTING 80/20 (%) 0031	ITEP LIGHTING 50/50 (%) 0031	NON-PARTICIPATING ROADWAY 100% 0004
X	*	X8140105	HANDHOLE (SPECIAL)	EACH	26			26		
X	*	X8140210	HEAVY-DUTY HANDHOLE (SPECIAL)	EACH	1			1		
X	*	X8360110	LIGHT POLE FOUNDATION, SPECIAL	FOOT	90			90		
X	*	X8360215	LIGHT POLE FOUNDATION, 24" DIAMETER, OFFSET	FOOT	33			33		
X	*	X0327141	LIGHTING STANDARD, TYPE 4A	EACH	30			30		
X	*	X0327142	LIGHING STANDARD, TYPE 4B	EACH	2			2		
X		A2000120	TREE, ACER X FREEMANII AUTUMN BLAZE (AUTUMN BLAZE FREEMAN MAPLE), 2.5" CALIPER, BALLED AND BURLAPPED	EACH	10		10			
X		A2002520	TREE, CARPINUS CAROLINIANA (AMERICAN HORNBEAM), 2.5" CALIPER, BALLED AND BURLAPPED	EACH	6		6			
X		A2002920	TREE, CELTIS OCCIDENTALIS (COMMON HACKBERY), 2.5" CALIPER, BALLED AND BURLAPPED	EACH	7		7			
X		A2004820	TREE, GLEDITSIA TRIACANTHOS INTERMIS SKYLINE (SKYLINE THORNLESS COMMON HONEY LOCUST), 2.5" CALIPER, BALLED AND BURLAPPED	EACH	5		5			
X		A2007820	TREE, TILIA AMERICANA (AMERICAN LINDEN/ BASSWOOD), 2.5" CALIPER, BALLED AND BURLAPPED	EACH	7		7			
X		A2018720	TREE, ULMUS CARPINIFOLIA MORTON (ACCOLADE ELM), 2.5"CALIPER, BALLED AND BURLAPPED	EACH	5		5			
X		C2C078G3	SHRUB, ROSA X KNOCK OUT (KNOCK OUT ROSE) CONTAINER GROWN, 3-GALLON	EACH	12		12			
X		C2C01024	SHRUB, BUXUS MICROPHYLLA WINTERGREEN (WINTERGREEN LITTLELEAF BOXWOOD), 2' HEIGHT, CONTAINER	EACH	372		372			
	*	LR430050	CONCRETE PAVER SIDEWALK	SQ YD	220		196			24
	*	XX002948	TEMPORARY ACCESS WALK	EACH	5		5			
X	*	XX003079	REMOVE JUNCTION BOX	EACH	1			1		
	*	XX005735	PLANTER CURB	FOOT	1005		1005			
X	*	XX006614	MODIFY EXISTING CABINET EQUIPMENT AND APPURTENANCES	EACH	1			1		
X	*	XX006736	PLANTER FENCE (SPECIAL)	FOOT	1005		1005			
	*	XX007877	BICYCLE RACKS - FURNISH	EACH	12		12			
X	*	XX008662	REMOVE EXISTING GAS LIGHT POLE	EACH	15		15			

SI - SPECIALTY ITEMS

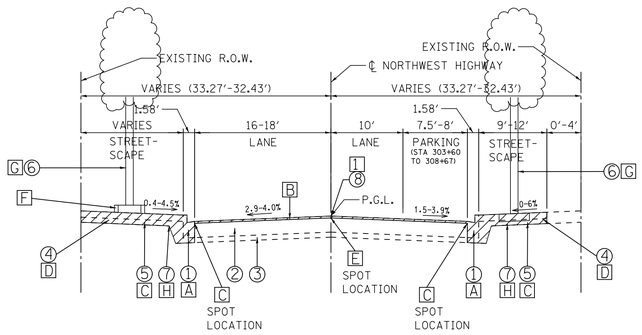
FILE NAME = 3737_21SUM03.dgn	USER NAME = bstanuch	DESIGNED - BS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES – 3
		DRAWN -	REVISED -		
	PLOT SCALE = 1:1	CHECKED - JCK	REVISED -		
	PLOT DATE = 11/13/2017	DATE -	REVISED -		SCALE: SHEET 3 OF 3 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3524	10-00149-01-LS	COOK	69	5
		CONTRACT NO. 61E27		
	ILLINOIS FED. AID PROJECT			



EXISTING TYPICAL SECTION
NORTHWEST HIGHWAY
STA 300+50 TO STA 303+70

SCALE
1" = 10' HORIZ.
1" = 5' VERT.



EXISTING TYPICAL SECTION
NORTHWEST HIGHWAY
STA 303+70 TO STA 309+79

SCALE
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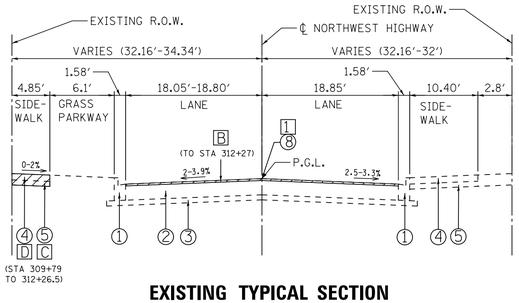
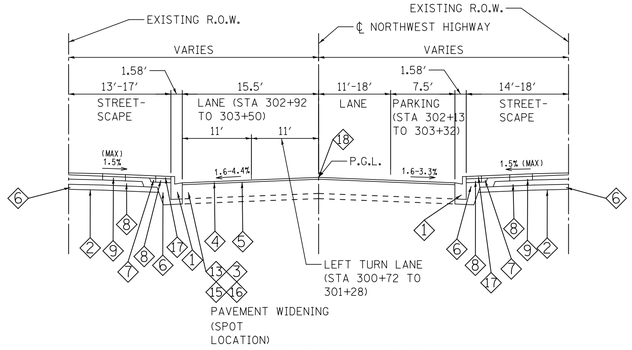
1" = 5' VERT.



EXISTING TYPICAL SECTION
NORTHWEST HIGHWAY
STA 309+79 TO STA 315+23

SCALE
1" = 10' HORIZ.
1" = 5' VERT.

NOTE: PROPOSED PAVEMENT WIDENING (SPOT LOCATION) SHALL BE DONE AT RADIIUS RETURNS FOR TOUHY AVE, EUCLID AVE, RIDGE TERRACE AND NORTHWEST HIGHWAY. SEE REMOVAL AND GEOMETRIC PLAN FOR INFORMATION.



PROPOSED TYPICAL SECTION
NORTHWEST HIGHWAY
STA 300+50 TO STA 303+70

SCALE
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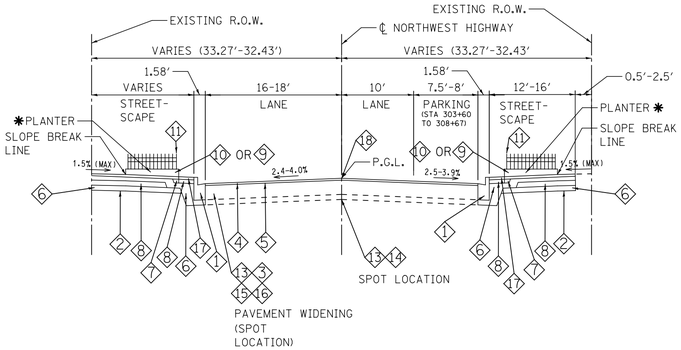
1" = 5' VERT.



PROPOSED TYPICAL SECTION
NORTHWEST HIGHWAY
STA 303+70 TO STA 309+79

SCALE
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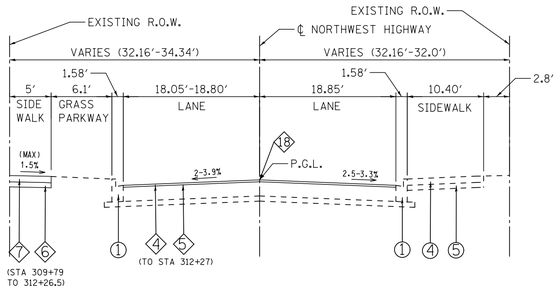
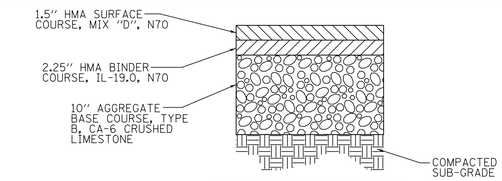
1" = 5' VERT.



PROPOSED TYPICAL SECTION
NORTHWEST HIGHWAY
STA 309+79 TO STA 315+23

SCALE
1" = 10' HORIZ.
1" = 5' VERT.



PROPOSED NORTHWEST HIGHWAY BITUMINOUS PAVEMENT
(N.T.S.)

EXISTING ITEMS

1. EXISTING CONCRETE CURB AND GUTTER, TYPE B6.12
2. EXISTING ASPHALT PAVEMENT
3. EXISTING SUB-BASE GRANULAR MATERIAL
4. EXISTING P.C.C. SIDEWALK (+/-5")
5. EXISTING SIDEWALK SUB-BASE GRANULAR MATERIAL
6. EXISTING PLANTER
7. EXISTING BRICK SIDEWALK
8. EXISTING REFLECTIVE PAVEMENT MARKER

REMOVAL PAY ITEMS (PAY ITEM #)

- A COMBINATION CURB AND GUTTER REMOVAL (44000500)
- B HOT MIX ASPHALT (HMA) SURFACE REMOVAL (2") (44000157)
- C EXCAVATION / SUB-BASE REMOVAL (20200100)
- D SIDEWALK REMOVAL (44000600)
- E PAVEMENT REMOVAL (44000100)
- F CURB REMOVAL (44000300)
- G TREE REMOVAL (20100110,20100210)
- H BRICK SIDEWALK REMOVAL (X0326864)
- I RAISED REFLECTIVE PAVEMENT MARKER (78300200)

PROPOSED ITEMS ✱ SEE LANDSCAPE PLANS

1. COMBINATION CONCRETE CURB AND GUTTER, B6.12 MODIFIED (60604100)
2. ✱ FILTER FABRIC (28200200)
3. PRIME COAT (40600275)
4. PROPOSED HOT-MIX ASPHALT SURFACE COURSE MIX "D", N70-2" (40603340)
5. TACK COAT (40600290)
6. ✱ AGGREGATE BASE COURSE, TYPE B, 6" (35101800)
7. ✱ PCC SIDEWALK 5", SPECIAL (X4240430)
8. ✱ REINFORCED CONCRETE SLAB, 4" (X4200408)
9. ✱ TREE GRATE WITH CONCRETE BANDING (X0539800)
10. ✱ PLANTER CURB (XX005735)
11. ✱ PLANTER FENCE, SPECIAL (XX006736)
12. ✱ CONCRETE PAVER SIDEWALK, (LR4300050)
13. AGGREGATE BASE COURSE, TYPE B, 10" (35102200)
14. ✱ PCC PAVEMENT 8", SPECIAL (X4200408)
15. PROPOSED HOT MIX ASPHALT, BINDER COURSE, IL90 N70, 2¼", (40603085)
16. PROPOSED HOT MIX ASPHALT, SURFACE COURSE, MIX "D" N70, 1½", (40603340)
17. ✱ BRICK PAVER, (X054000)
18. RAISED REFLECTIVE PAVEMENT MARKER (78100100)

HOT-MIX ASPHALT (HMA) MIXTURE REQUIREMENTS

MIXTURE TYPE	PRECENT AIR VOIDS @ N_{des}	LIFT THICKNESS
PAVEMENT RESURFACING HMA SURFACE COURSE MIX "D" N70 (IL 9.5MM)	4% @ 70 GYR	2"
FULL DEPTH PAVEMENT HMA SURFACE COURSE MIX "D" N70 (IL 9.5MM) HMA BINDER COURSE N70 (IL 19.0MM)	4% @ 70 GYR 4% @ 70 GYR	1½" 2¼"
TEMPORARY RAMP HMA BINDER COURSE N70 (IL 19.0MM)	4% @ 70 GYR	2" (MAX)
PATCHING CLASS D PATCHES, TYPE IV PATCHING, HMA BINDER (IL 19.0MM), N70	4% @ 70 GYR	4"

THE UNIT WEIGHT USED TO CALCULATE ALL HMA MIXTURE QUANTITIES IS 112 LBS/SQ YD/IN.
THE "ACTYPE" SHALL BE "PG64-22" UNLESS MODIFIDED BY DISTRICT ONE SPECIAL PROVISION.
FOR "PRECENT OF RAP" SEE DISTRICT ONE SPECIAL PROVISIONS.

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		DRAWN -	REVISED -
	PLOT SCALE = 1:10	CHECKED - JCK	REVISED -
	PLOT DATE = 11/13/2017	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS
NORTHWEST HIGHWAY

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3524	10-00149-01-LS	COOK	69	6
		CONTRACT NO. 61E27		
	ILLINOIS FED. AID PROJECT			

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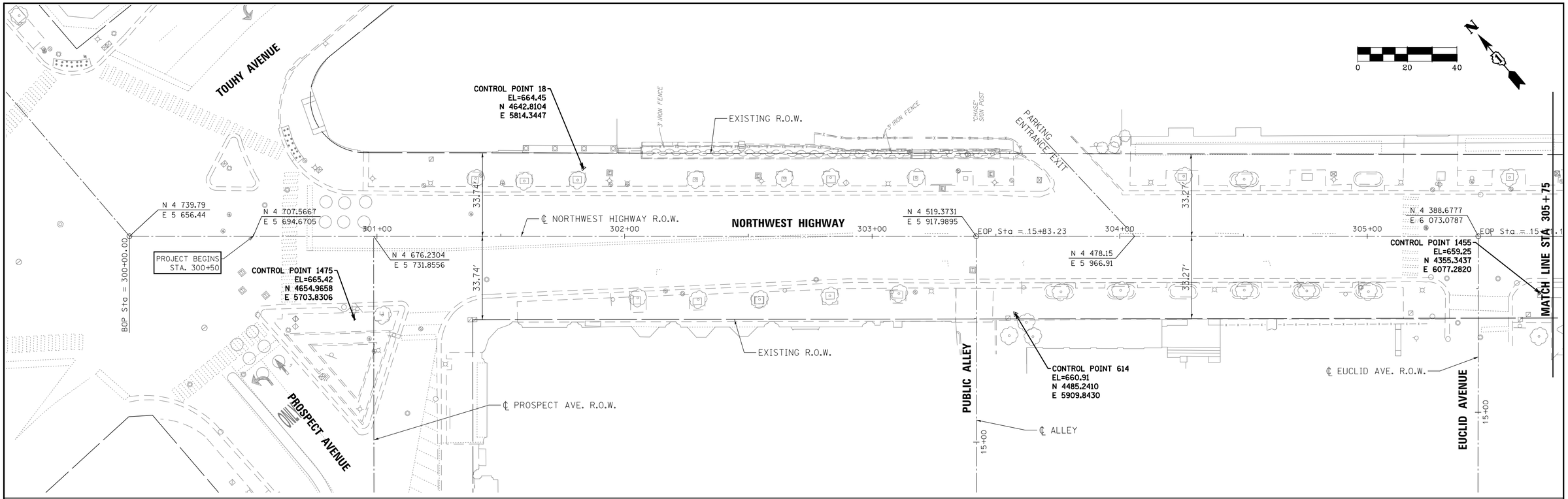

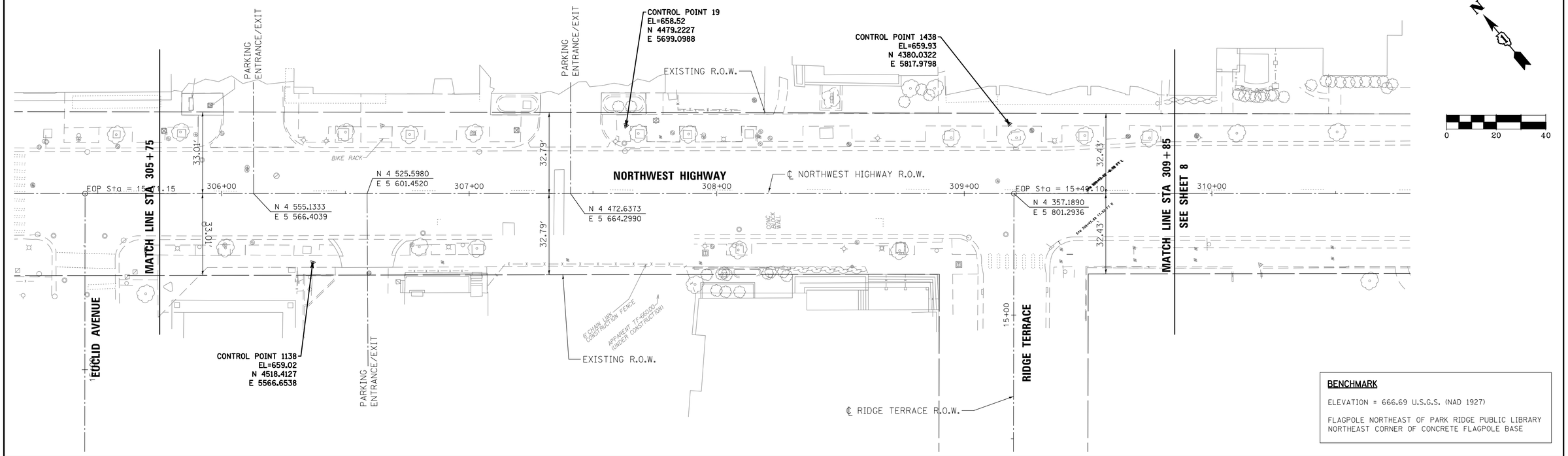

BENCHMARK

ELEVATION = 666.69 U.S.G.S. (NAD 1927)

FLAGPOLE NORTHEAST OF PARK RIDGE PUBLIC LIBRARY
NORTHEAST CORNER OF CONCRETE FLAGPOLE BASE

FILE NAME = 3737_21AL01.dgn	USER NAME = bstanuch	DESIGNED - BS	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 1:20	CHECKED - JCK	REVISED -
	PLOT DATE = 11/13/2017	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ALIGNMENT, TIES, BENCHMARKS, AND CONTROL POINTS
NORTHWEST HIGHWAY

SCALE: 1"=20' | SHEET 1 OF 3 SHEETS | STA. 300+50 | TO STA. 309+85

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3524	10-00149-01-LS	COOK	69	7
		CONTRACT NO. 61E27		
		ILLINOIS	FED. AID PROJECT	

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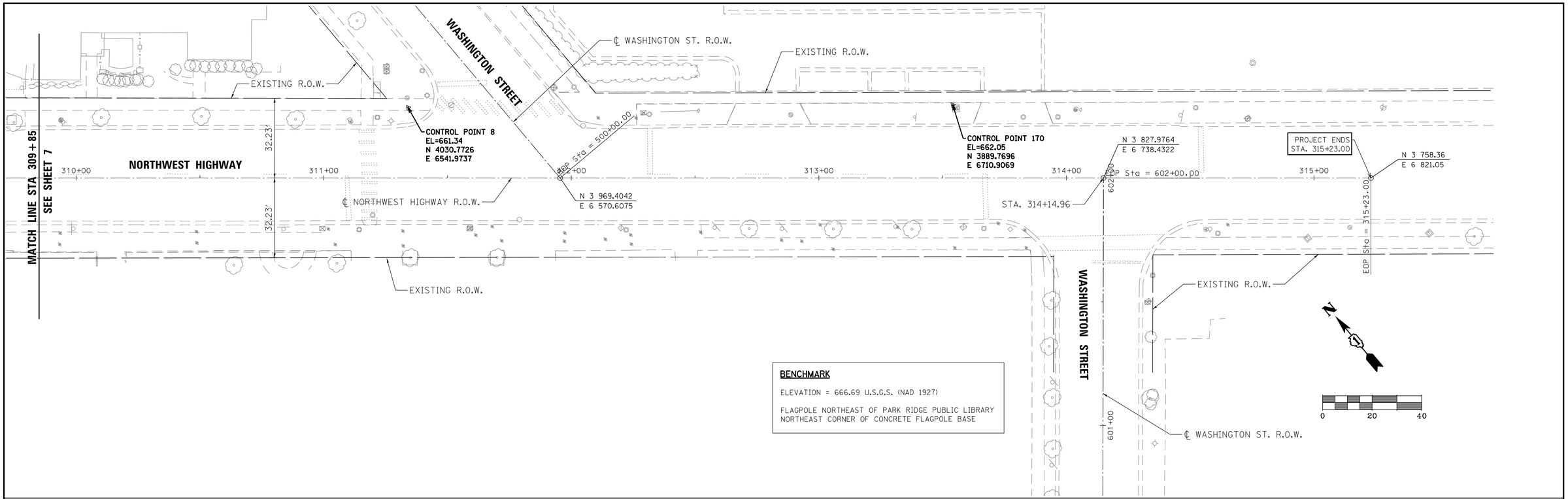

BENCHMARK

ELEVATION = 666.69 U.S.G.S. (NAD 1927)

FLAGPOLE NORTHEAST OF PARK RIDGE PUBLIC LIBRARY
NORTHEAST CORNER OF CONCRETE FLAGPOLE BASE

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	PLOT DATE = 11/13/2017	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ALIGNMENT, TIES, BENCHMARKS, AND CONTROL POINTS
NORTHWEST HIGHWAY

SCALE: 1"=20' | SHEET 2 OF 3 SHEETS | STA. 309+85 TO STA. 315+23

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3524	10-00149-01-LS	COOK	69	8
		CONTRACT NO. 61E27		
	ILLINOIS	FED. AID PROJECT		

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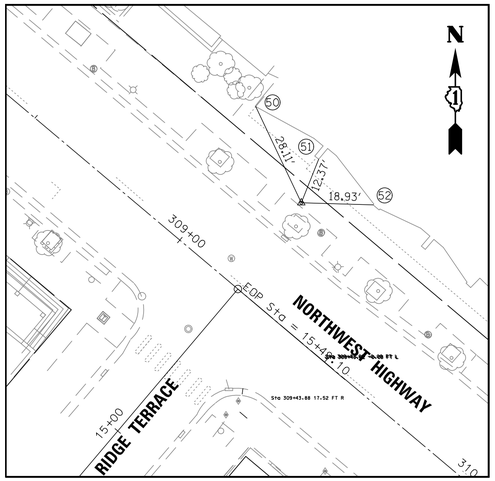
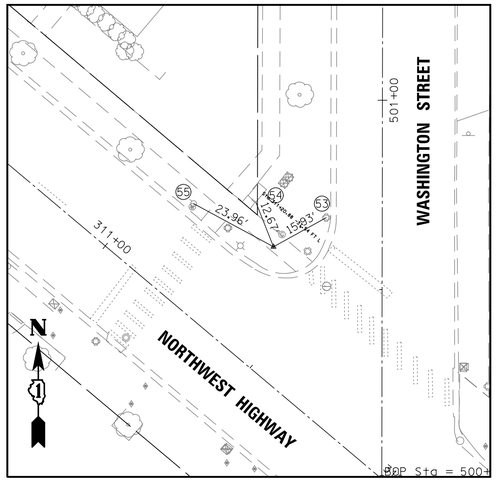


CONTROL POINT #1438
STA 309+18.16, 28.22' LT

CONTROL POINT #1438 IS AN "X" CUT IN WALK

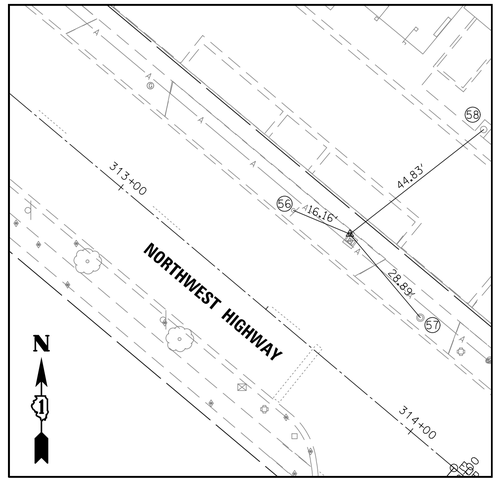
50. BASE OF BUILDING AT CORNER
51. BASE OF BUILDING AT CORNER
52. BASE OF BUILDING AT CORNER



CONTROL POINT #8
STA 311+34.06, 28.46' LT

CONTROL POINT #8 IS AN "X" CUT IN WALK AT N.W. CORNER OF NORTHWEST HWY. AND WASHINGTON ST.

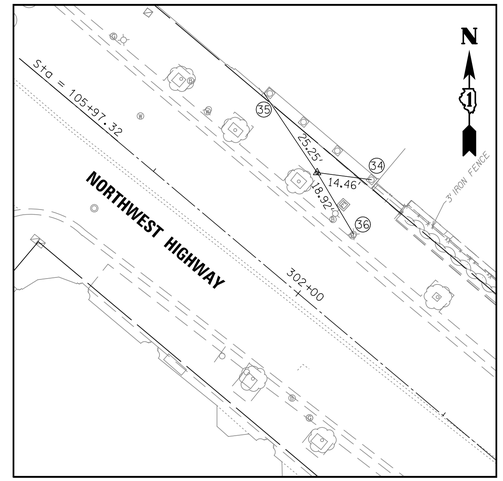
53. CENTER OF TRAFFIC SIGNAL
54. SOUTH CORNER OF TRANSFORMER BOX
55. CENTER OF FIRE HYDRANT



CONTROL POINT #170
STA 313+54.09, 29.51' LT

CONTROL POINT #170 IS AN "X" CUT IN CONCRETE HANDHOLE COLLAR

56. CENTER OF STREET SIGN
57. CENTER OF MANHOLE
58. CENTER OF FLAGPOLE



CONTROL POINT #18
STA 301+83.23, 27.64' LT

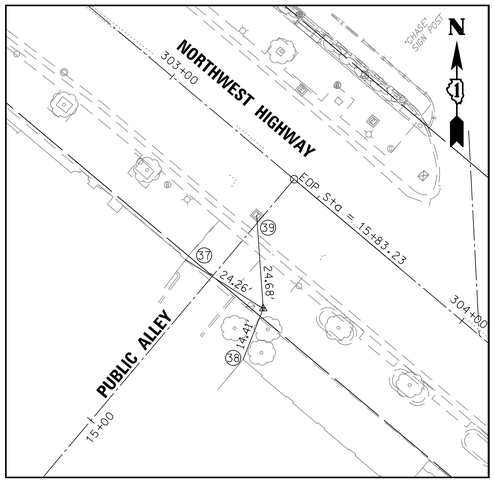
CONTROL POINT #18 IS A "X" CUT IN WALK ON NORTH SIDE OF NORTHWEST HWY.

34. CENTER OF COLUMN
35. BASE OF BUILDING AT CORNER
36. CENTER OF FIRE HYDRANT

BENCHMARK

ELEVATION = 666.69 U.S.G.S. (NAD 1927)

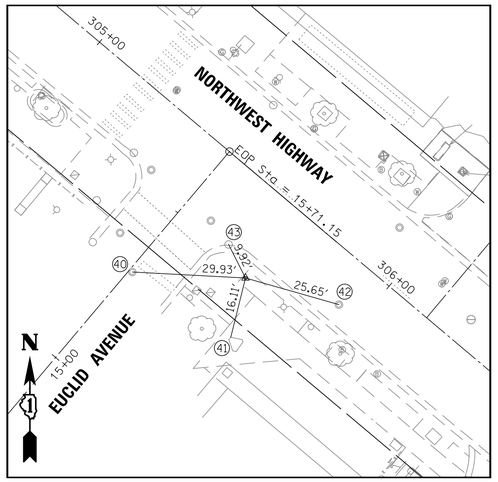
FLAGPOLE NORTHEAST OF PARK RIDGE PUBLIC LIBRARY NORTHEAST CORNER OF CONCRETE FLAGPOLE BASE.



CONTROL POINT #614
STA 303+57.81, 31.35' RT

CONTROL POINT #614 IS A "X" CUT IN WALK

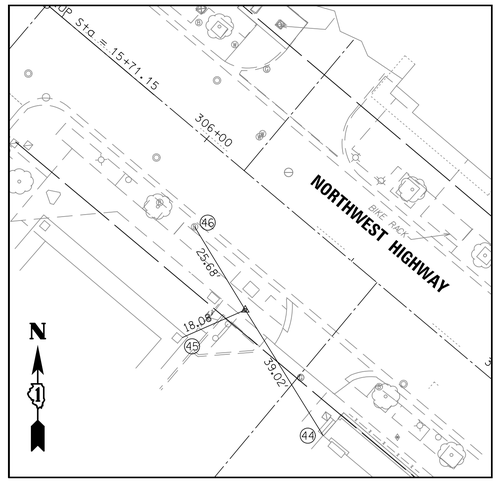
37. BASE OF BUILDING AT CORNER
38. BASE OF BUILDING AT CORNER
39. CENTER OF HANDHOLE



CONTROL POINT #1455
STA 305+69.55, 22.78' RT

CONTROL POINT #1455 IS A "X" CUT IN WALK ON S.E. CORNER OF NORTHWEST HWY. AND EUCLID AVE.

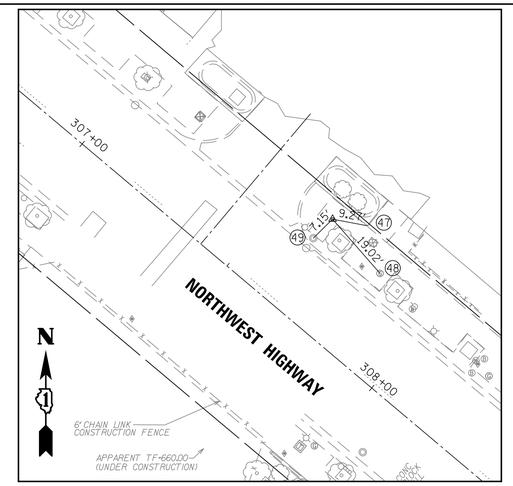
40. CENTER OF MANHOLE
41. BASE OF BRICK MONUMENT AT CORNER
42. CENTER OF MANHOLE
43. CENTER OF CATCH BASIN



CONTROL POINT #1138
STA 306+36.80, 27.92' RT

CONTROL POINT #1138 IS A "X" CUT IN WALK

44. BASE OF BUILDING AT CORNER
45. BASE OF BRICK COLUMN
46. CORNER OF B-BOX



CONTROL POINT #19
STA 307+63.33, 27.46' LT

CONTROL POINT #19 IS AN "X" CUT IN WALK ON NORTH SIDE OF NORTHWEST HWY.

47. BASE OF BUILDING AT CORNER
48. CENTER OF GAS VALVE
49. CENTER OF MANHOLE

FILE NAME = 3737_21AL03.dgn	USER NAME = bstanuch	DESIGNED - BS	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 1:20	CHECKED - JCK	REVISED -
	PLOT DATE = 11/13/2017	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ALIGNMENT, TIES, BENCHMARKS, AND CONTROL POINTS
NORTHWEST HIGHWAY

SCALE: 1"=20' | SHEET 3 OF 3 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3524	10-00149-01-LS	COOK	69	9
		CONTRACT NO. 61E27		
		ILLINOIS FED. AID PROJECT		

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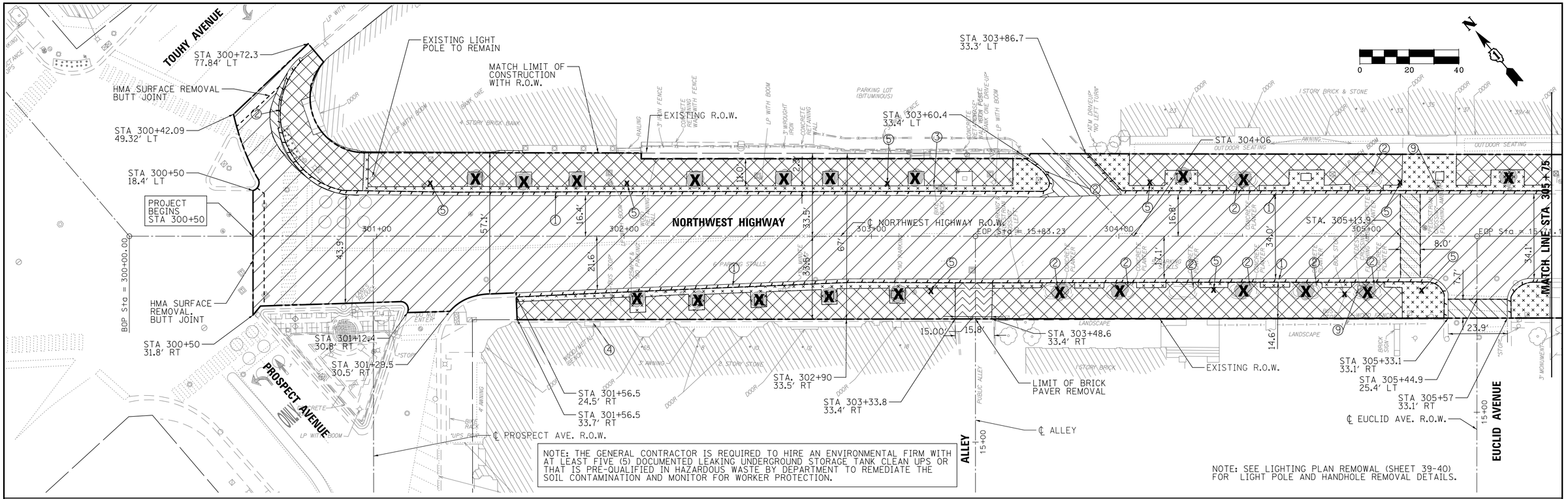

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	PLOT SCALE = 1:20	CHECKED - JCK	REVISED -
	PLOT DATE = 11/13/2017	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REMOVAL PLAN
NORTHWEST HIGHWAY

SCALE: 1"=20' | SHEET 1 OF 2 SHEETS | STA. 300+50 TO STA. 309+85

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3524	10-00149-01-LS	COOK	69	10
		CONTRACT NO. 61E27		
		ILLINOIS FED. AID PROJECT		

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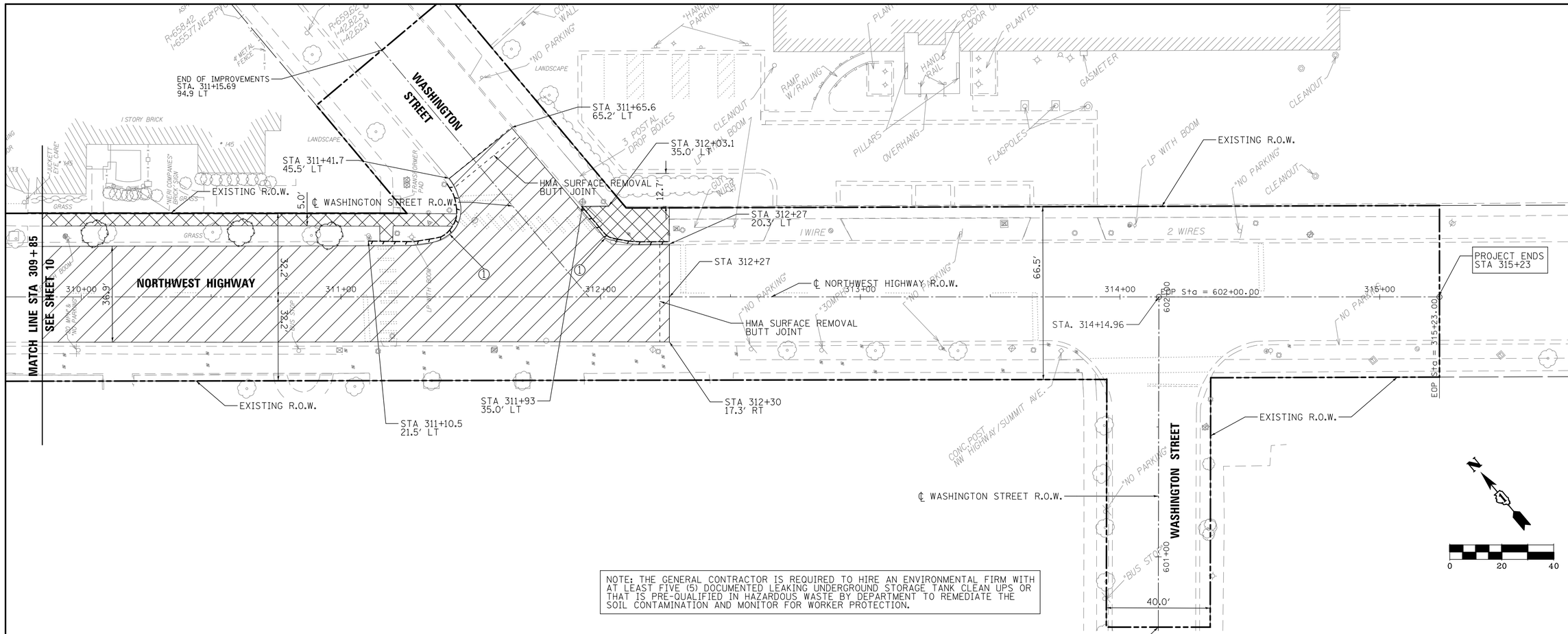

NOTE: THE GENERAL CONTRACTOR IS REQUIRED TO HIRE AN ENVIRONMENTAL FIRM WITH AT LEAST FIVE (5) DOCUMENTED LEAKING UNDERGROUND STORAGE TANK CLEAN UPS OR THAT IS PRE-QUALIFIED IN HAZARDOUS WASTE BY DEPARTMENT TO REMEDIATE THE SOIL CONTAMINATION AND MONITOR FOR WORKER PROTECTION.

LEGEND (PAY ITEM #)

- HOT-MIX ASPHALT SURFACE REMOVAL (2") (44000157)
- SIDEWALK REMOVAL, FULL DEPTH (44000600)
- COMBINATION CURB AND GUTTER REMOVAL (44000500)
- LIMIT OF CONSTRUCTION
- TREE REMOVAL (20100110, 20100210)
- TREE TRUNK PROTECTION (20200100)

ITEM LEGEND (PAY ITEM #)

① COMBINATION CURB AND GUTTER REMOVAL (44000500)

② CURB REMOVAL (44000300)

NOTE:

1. SEE LIGHTING REMOVALPLAN (SHEETS 39-40) FOR EXISTING ELECTRIC HANDHOLE AND LIGHT POLE REMOVAL.
2. SEE SHEETS #27-28 FOR SIGNING REMOVAL/ RELOCATION.

FILE NAME = 3737_21REM02.dgn	USER NAME = bstanuch	DESIGNED - BS	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 1:20	CHECKED - JCK	REVISED -
	PLOT DATE = 11/13/2017	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REMOVAL PLAN
NORTHWEST HIGHWAY

SCALE: 1"=20' | SHEET 2 OF 2 SHEETS | STA. 309+85 TO STA. 315+23

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3524	10-00149-01-LS	COOK	69	11
		CONTRACT NO. 61E27		
	ILLINOIS FED. AID PROJECT			

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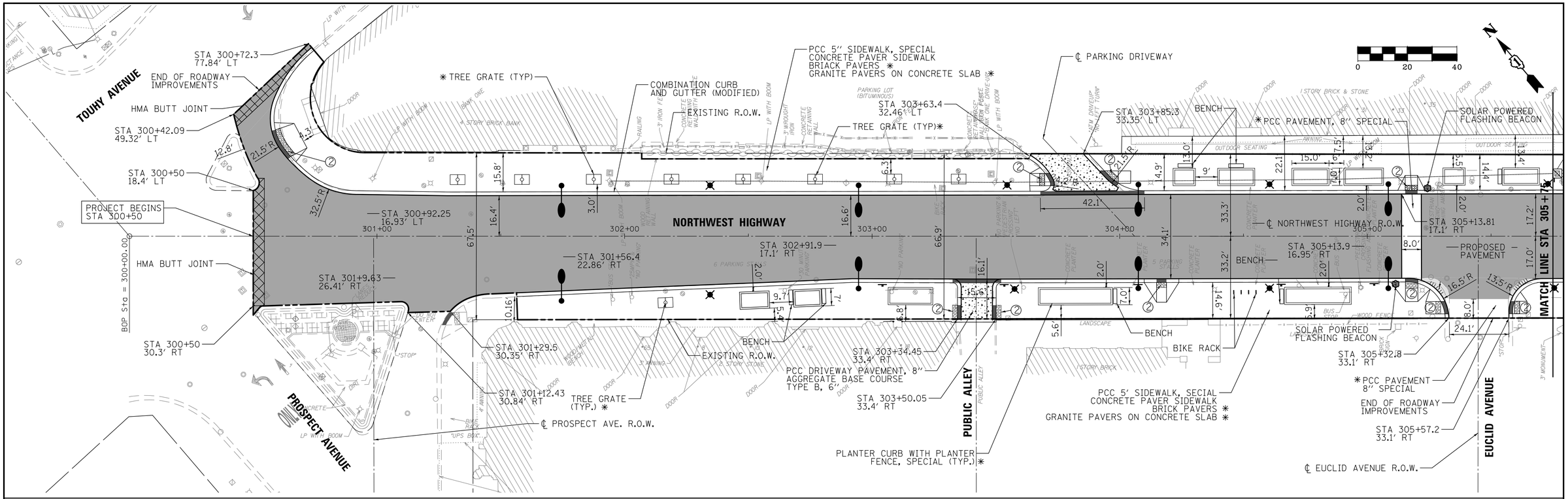

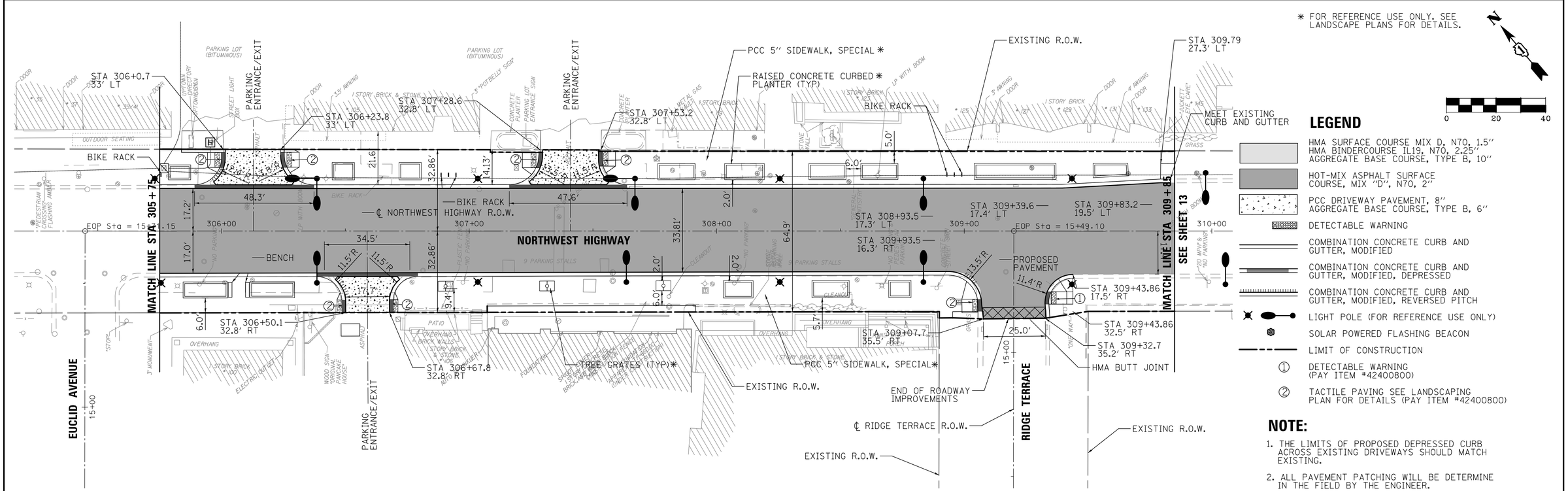

LEGEND

- HMA SURFACE COURSE MIX D, N70, 1.5"
  HMA BINDERCOURSE IL19, N70, 2.25"
  AGGREGATE BASE COURSE, TYPE B, 10"
- HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 2"
- PCC DRIVEWAY PAVEMENT, 8"
  AGGREGATE BASE COURSE, TYPE B, 6"
- DETECTABLE WARNING
- COMBINATION CONCRETE CURB AND GUTTER, MODIFIED
- COMBINATION CONCRETE CURB AND GUTTER, MODIFIED, DEPRESSED
- COMBINATION CONCRETE CURB AND GUTTER, MODIFIED, REVERSED PITCH
- LIGHT POLE (FOR REFERENCE USE ONLY)
- SOLAR POWERED FLASHING BEACON
- LIMIT OF CONSTRUCTION
- ① DETECTABLE WARNING (PAY ITEM #42400800)
- ② TACTILE PAVING SEE LANDSCAPING PLAN FOR DETAILS (PAY ITEM #42400800)

NOTE:

1. THE LIMITS OF PROPOSED DEPRESSED CURB ACROSS EXISTING DRIVEWAYS SHOULD MATCH EXISTING.
2. ALL PAVEMENT PATCHING WILL BE DETERMINE IN THE FIELD BY THE ENGINEER.

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	PLOT DATE = 11/13/2017	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED GEOMETRIC PLAN
NORTHWEST HIGHWAY

SCALE: 1"=20' | SHEET 1 OF 2 SHEETS | STA. 300+50 TO STA. 309+85

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3524	10-00149-01-LS	COOK	69	12
		CONTRACT NO. 61E27		
		ILLINOIS FED. AID PROJECT		

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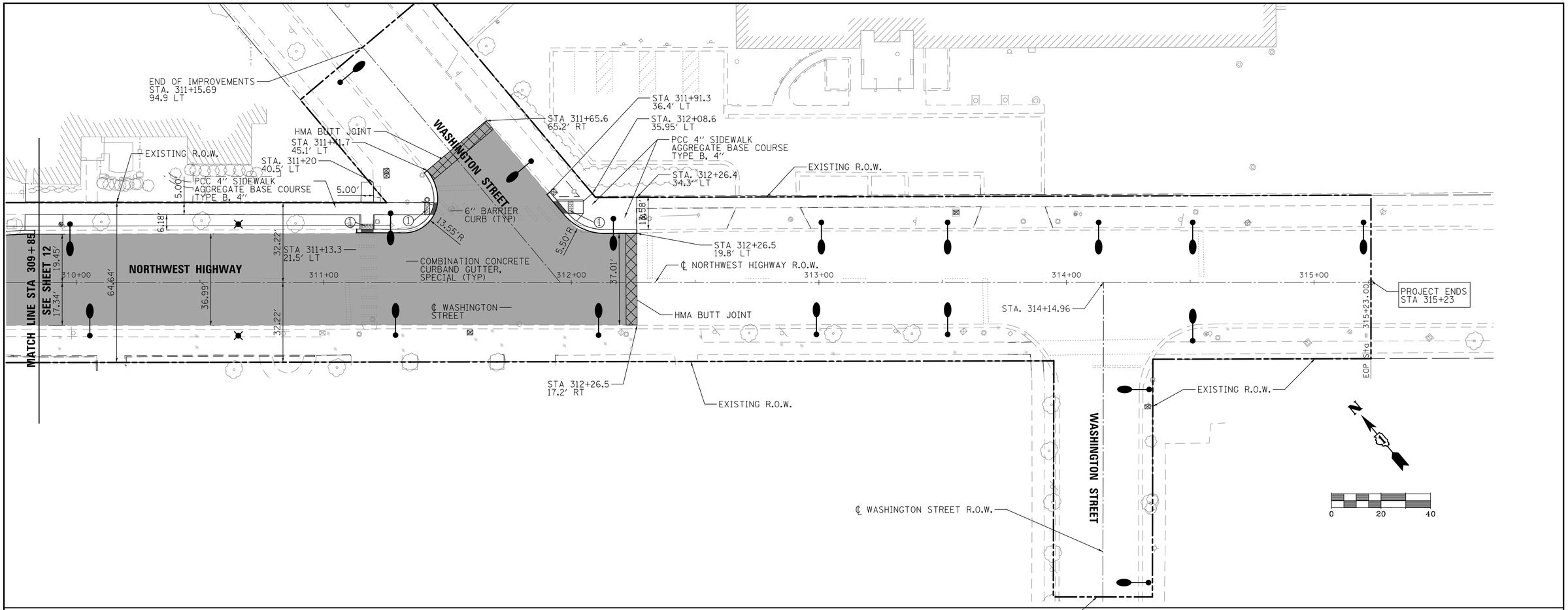

LEGEND

- HMA SURFACE COURSE MIX D, N70, 1.5"
  HMA BINDERCOURSE IL19, N70, 2.25"
  AGGREGATE BASE COURSE, TYPE B, 10"
- HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 2
- PCC DRIVEWAY PAVEMENT, 8"
  AGGREGATE BASE COURSE, TYPE B, 6"
- DETECTABLE WARNING
- COMBINATION CONCRETE CURB AND GUTTER, MODIFIED
- COMBINATION CONCRETE CURB AND GUTTER, MODIFIED, DEPRESSED
- COMBINATION CONCRETE CURB AND GUTTER, MODIFIED, REVERSED PITCH
- LIGHT POLE (FOR REFERENCE USE ONLY)
- LIMIT OF CONSTRUCTION
- ① DETECTABLE WARNING (PAY ITEM #42400800)
- ② TACTILE PAVING SEE LANDSCAPING PLAN FOR DETAILS (PAY ITEM #42400800)

* FOR REFERENCE USE ONLY. SEE LANDSCAPE PLANS FOR DETAILS.

NOTE:

1. THE LIMITS OF PROPOSED DEPRESSED CURB ACROSS EXISTING DRIVEWAYS SHOULD MATCH EXISTING.

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		DRAWN -	REVISED -
	PLOT SCALE = 1:20	CHECKED - JCK	REVISED -
	PLOT DATE = 11/13/2017	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED GEOMETRIC PLAN
NORTHWEST HIGHWAY

SCALE: 1"=20' | SHEET 2 OF 2 SHEETS | STA. 309+85 | TO STA. 315+23

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3524	10-00149-01-LS	COOK	69	13
		CONTRACT NO. 61E27		
	ILLINOIS	FED. AID PROJECT		

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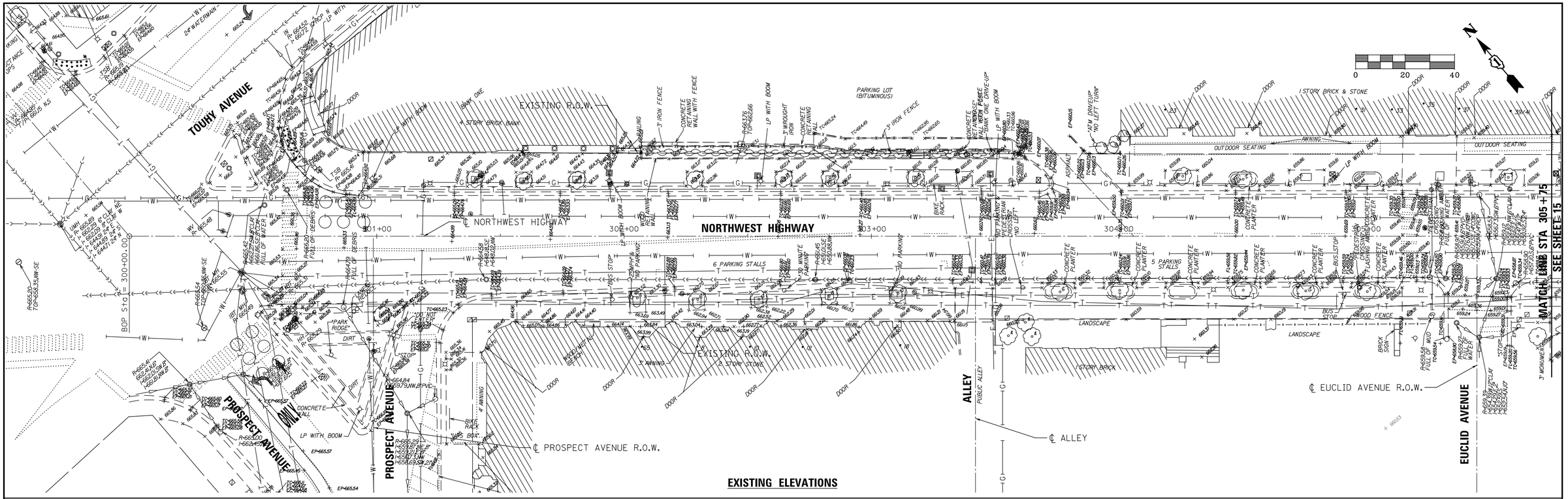
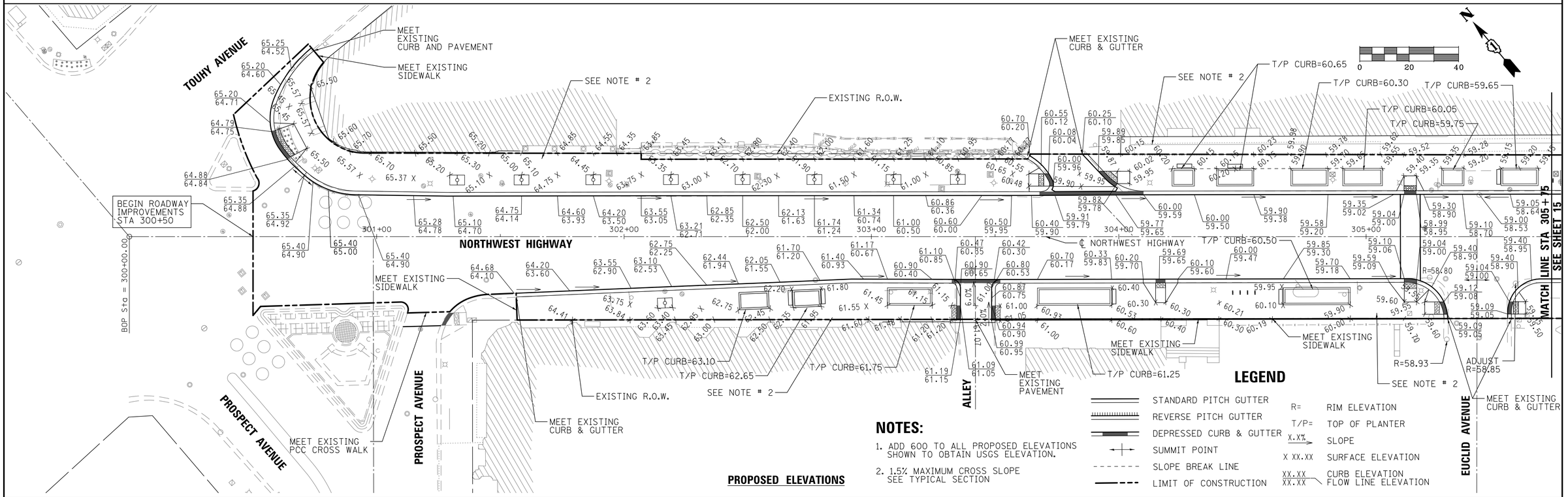


EXISTING ELEVATIONS



PROPOSED ELEVATIONS

NOTES:

1. ADD 600 TO ALL PROPOSED ELEVATIONS SHOWN TO OBTAIN USGS ELEVATION.
2. 1.5% MAXIMUM CROSS SLOPE SEE TYPICAL SECTION

LEGEND

- STANDARD PITCH GUTTER
- REVERSE PITCH GUTTER
- DEPRESSED CURB & GUTTER
- SUMMIT POINT
- SLOPE BREAK LINE
- LIMIT OF CONSTRUCTION

R=	RIM ELEVATION
T/P=	TOP OF PLANTER
X.X%	SLOPE
X XX.XX	SURFACE ELEVATION
XX.XX	CURB ELEVATION
XX.XX	FLOW LINE ELEVATION

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	PLOT SCALE = 1:20	CHECKED - JCK	REVISED -
	PLOT DATE = 11/13/2017	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED AND EXISTING ELEVATIONS PLAN
NORTHWEST HIGHWAY

SCALE: 1"=20' | SHEET 1 OF 3 SHEETS | STA. 300+50 TO STA. 305+75

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3524	10-00149-01-LS	COOK	69	14
		CONTRACT NO. 61E27		
		ILLINOIS FED. AID PROJECT		

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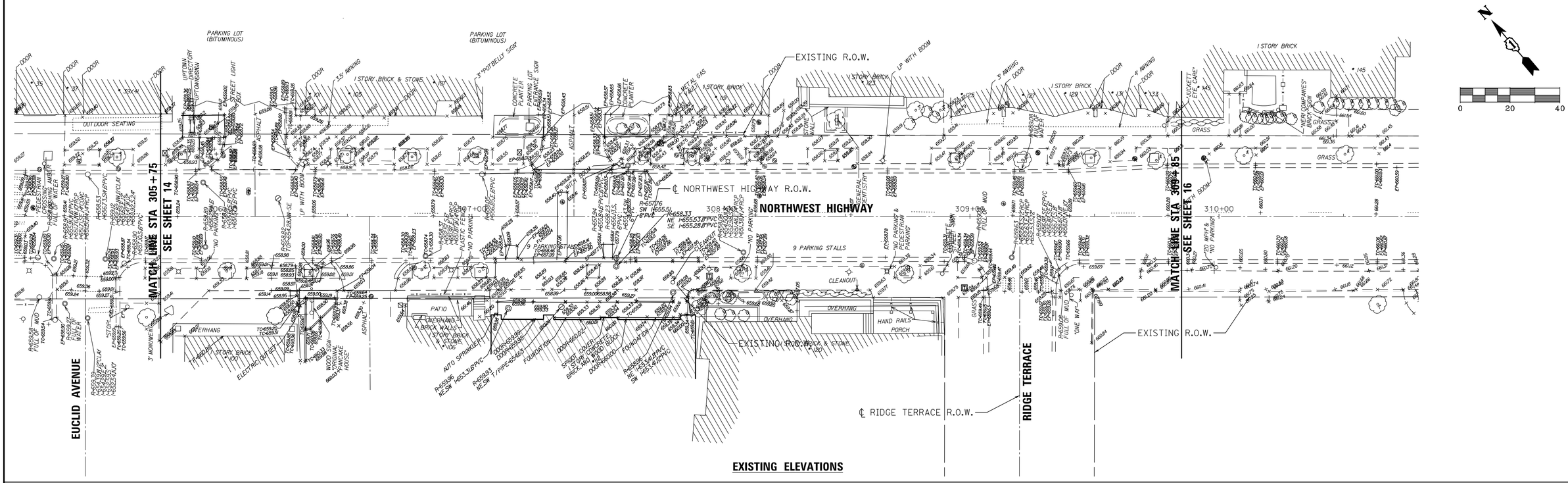
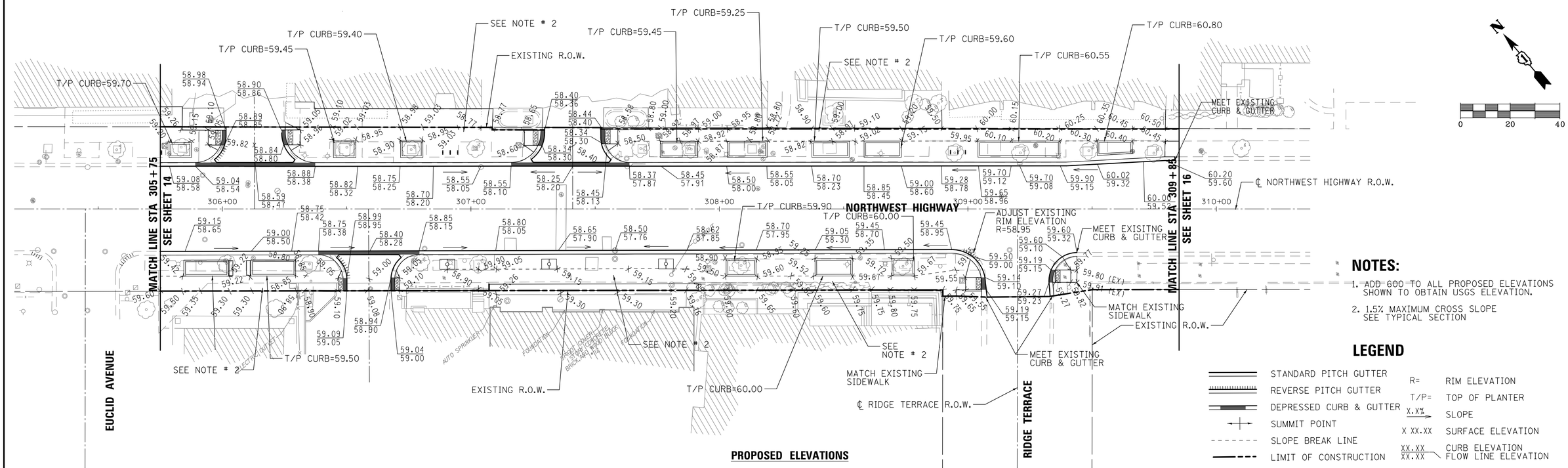


EXISTING ELEVATIONS



PROPOSED ELEVATIONS

NOTES:

1. ADD 600 TO ALL PROPOSED ELEVATIONS SHOWN TO OBTAIN USGS ELEVATION.
2. 1.5% MAXIMUM CROSS SLOPE SEE TYPICAL SECTION

LEGEND

- STANDARD PITCH GUTTER
- REVERSE PITCH GUTTER
- DEPRESSED CURB & GUTTER
- SUMMIT POINT
- SLOPE BREAK LINE
- LIMIT OF CONSTRUCTION

R= RIM ELEVATION
T/P= TOP OF PLANTER
X.X% SLOPE
X XX.XX SURFACE ELEVATION
XX.XX / XX.XX CURB ELEVATION / FLOW LINE ELEVATION

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	PLOT DATE = 11/13/2017	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED AND EXISTING ELEVATIONS PLAN
NORTHWEST HIGHWAY

SCALE: 1"=20' | SHEET 2 OF 3 SHEETS | STA. 305+75 TO STA. 309+85

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3524	10-00149-01-LS	COOK	69	15
		CONTRACT NO. 61E27		
		ILLINOIS FED. AID PROJECT		

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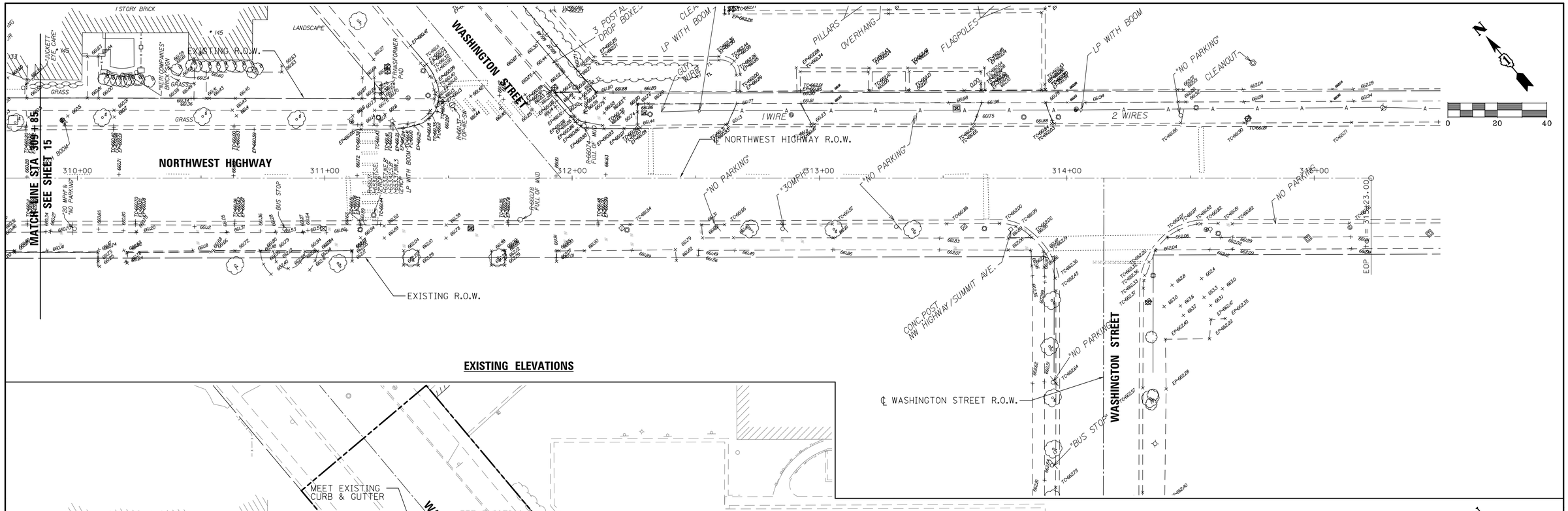
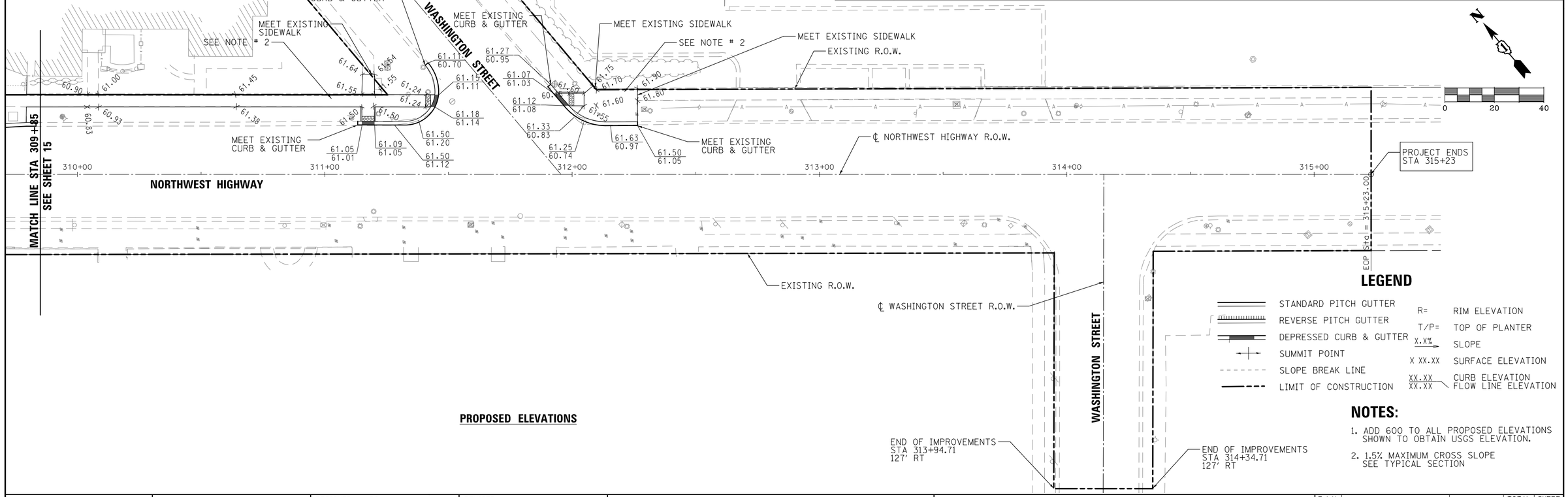
EXISTING ELEVATIONS



PROPOSED ELEVATIONS



LEGEND

- STANDARD PITCH GUTTER
- REVERSE PITCH GUTTER
- DEPRESSED CURB & GUTTER
- SUMMIT POINT
- SLOPE BREAK LINE
- LIMIT OF CONSTRUCTION

R= RIM ELEVATION
T/P= TOP OF PLANTER
X.X% SLOPE
X XX.XX SURFACE ELEVATION
XX.XX CURB ELEVATION
XX.XX FLOW LINE ELEVATION

NOTES:

1. ADD 600 TO ALL PROPOSED ELEVATIONS SHOWN TO OBTAIN USGS ELEVATION.
2. 1.5% MAXIMUM CROSS SLOPE SEE TYPICAL SECTION

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	PLOT DATE = 11/13/2017	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED AND EXISTING ELEVATIONS PLAN
NORTHWEST HIGHWAY

SCALE: 1"=20' | SHEET 3 OF 3 SHEETS | STA. 309+85 | TO STA. 315+23

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3524	10-00149-01-LS	COOK	69	16
		CONTRACT NO. 61E27		
	ILLINOIS FED. AID PROJECT			

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MAINTENANCE OF TRAFFIC – GENERAL NOTES – ALL STAGES

1. THE STAGING PROCEDURES PRESENTED HEREIN ARE THE SUGGESTED SEQUENCE OF CONSTRUCTION OPERATIONS. IT IS THE CONTRACTORS OPTION TO SUBMIT AN ALTERNATIVE STAGING PLAN TO THE ENGINEER FOR APPROVAL.

2. TRAFFIC CONTROL AND PROTECTION SHALL BE PERFORMED IN ACCORDANCE WITH THE TRAFFIC CONTROL PLAN AND SECTION 701 OF THE STANDARD SPECIFICATIONS AS AMENDED BY THE SPECIAL PROVISION FOR THIS PROJECT.

3. EXISTING TRAFFIC CONTROL SIGNS AND DEVICES WILL BE REMOVED BY THE CONTRACTOR AFTER THE PROPOSED TRAFFIC CONTROL REQUIREMENTS ARE MET OR AS AUTHORIZED BY THE ENGINEER. ANY SIGNS OR DEVICES LEFT IN PLACE AT THIS TIME ARE TO BE PROTECTED FROM DAMAGE BY THE CONTRACTOR AND ANY DAMAGE CAUSE BY THIS WORK WILL BE PAID FOR BY THE CONTRACTOR.

4. THE FOLLOWING TRAFFIC CONTROL STANDARDS ARE THE MINIMUM REQUIREMENTS FOR THE TRAFFIC CONTROL FOR THIS PROJECT: 701011-04, 701301-04, 701311-03, 701427-05, 701501-06, 701606-10, 701611-01, 701701-10, 701801-06, 701901-07, 701006-05, TC-10, TC-11, TC-13, TC-16, AND TC-22.

5. TEMPORARY DRUMS, AND TEMPORARY PAVEMENT MARKINGS SHALL BE INSTALLED THROUGHOUT THE LIMITS OF THE WORK ZONE AS SHOWN ON THE MAINTENANCE OF TRAFFIC PLAN SHEETS.

6. EACH PHASE, INCLUDING THE THREE CORRESPONDING STAGES, SHALL BE COMPLETED PRIOR TO STARTING THE NEXT PHASE.

7. THE CONTRACTOR WILL BE PERMITTED TO CLOSE A QUADRANT OF EACH SIDE STREET DURING CONSTRUCTION OPERATION.

8. THE CONTRACTOR SHALL REMOVE ALL EXISTING PAVEMENT MARKINGS AND SIGNS WHEN IN CONFLICT WITH PROPOSED TEMPORARY PAVEMENT MARKINGS AND SIGNS.

9. WHERE THE PROPOSED WORK WILL IMPACT ALL OF THE ENTRANCES TO A PROPERTY, THE CONTRACTOR SHALL STAGE THE WORK TO MAINTAIN BI-DIRECTIONAL ACCESS AT ALL TIMES. STAGING SHALL BE COORDINATED WITH THE PROPERTY OWNER AND APPROVED BY THE ENGINEER.

10. DRUMS SHALL BE EQUIPPED WITH STEADY BURNING LIGHTS AND PLACED AT 25 FOOT CENTERS ON TAPER SECTIONS AND AT 25 FOOT CENTERS ON TANGENT.

11. ALL ADVANCED WARNING SIGNS AND TEMPORARY PAVEMENT MARKINGS SHALL BE IN PLACE AND APPROVED BY THE ENGINEER PRIOR TO THE COMMENCEMENT OF ANY PHASE OR STAGE OF CONSTRUCTION.

12. TRAFFIC CONTROL SHALL BE PAID FOR AS TRAFFIC CONTROL AND PROTECTION (SPECIAL).

13. THE FURNISHING, INSTALLATION, AND RELOCATION OF ALL TEMPORARY TRAFFIC CONTROL DEVICES SHALL BE IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES AND THE STATE STANDARD SPECIFICATIONS. THIS WORK SHALL BE INCLUDED IN THE LUMP SUM COST FOR TRAFFIC CONTROL AND PROTECTION (SPECIAL).

14. ALL CONFLICTING TRAFFIC SIGNS SHALL BE COVERED AS DIRECTED BY THE ENGINEER. THIS WORK SHALL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE LUMP SUM COST FOR TRAFFIC CONTROL AND PROTECTION (SPECIAL).

15. ALL SIDE STREETS AND DRIVEWAYS SHALL BE MAINTAINED DURING ALL STAGES OF CONSTRUCTION, WITH THE EXCEPTION OF SHORT TERM CLOSURES FOR HOT-MIX ASPHALT PAVING. ALL CLOSURES SHALL BE COORDINATED WITH THE ENGINEER AND THE PROPERTY OWNER.

16. ALL DAMAGES TO EXISTING PAVEMENT MARKINGS OR RAISED REFLECTIVE PAVEMENT MARKERS OUTSIDE THE REMOVAL LINE SHOWN ON THE PLANS SHALL BE REPLACED AT NO ADDITIONAL COST TO THE DEPARTMENT.

17. PROPOSE CURB AND GUTTER, SIDEWALK, AND LANDSCAPING SHALL BE PLACED PRIOR TO PLACING FINAL PAVEMENT SURFACE TO AVOID DAMAGE TO THE PAVEMENT.

18. THE CONTRACTOR SHALL COORDINATE ALL BUS STOP ACCOMMODATIONS WITH PACE (STEVEN ANDREWS MOBILE 847-997-1509) TO MAINTAIN BUS ACCESS.

19. CONTRACTOR SHALL PROTECT PROPOSED MEDIAN ISLANDS AND DECORATIVE CROSSWALKS DURING SUBSEQUENT STAGES OF CONSTRUCTION. SURFACE OF ISLANDS AND DECORATIVE CROSSWALKS SHALL BE PROTECTED FROM CONSTRUCTION EQUIPMENT, IMPACT DAMAGE, AND MARRING BY CONSTRUCTION DEBRIS SUCH AS ASPHALT, CONCRETE, AND LANDSCAPING MATERIALS. METHOD OF PROTECTION SHALL BE APPROVED BY THE ENGINEER PRIOR TO USE. MEDIAN ISLANDS AND DECORATIVE CROSSWALKS SHALL BE STAIN FREE AT THE TIME OF ACCEPTANCE.

20. ALL WORKER AND FLAGGER SIGNS SHALL BE COVERED OR REMOVED WHEN WORKERS OR FLAGGERS ARE NOT PRESENT FOR MORE THEN ONE HOUR.

PEDESTRIAN PATH NOTES

1. THE CONTRACTOR SHALL MAINTAIN PEDESTRIAN ACCESS (MIN. 4') TO ADJACENT PROPERTIES BY INSTALLING PLYWOOD RAMP/ WALKWAYS. PEDESTRIAN ACCESS TO ADJACENT PROPERTIES SHALL BE PORVOVIDED UNTIL THE WALKWAY IS FULLY RESTORED. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR THE INSTALLATION AND MAINTENANCE OF SIGNAGE AND OTHER ITEMS TO PROVIDE SAFE PEDESTRIAN ACCESS.THIS WORK SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER EACH TEMPORARY ACCESS WALK.

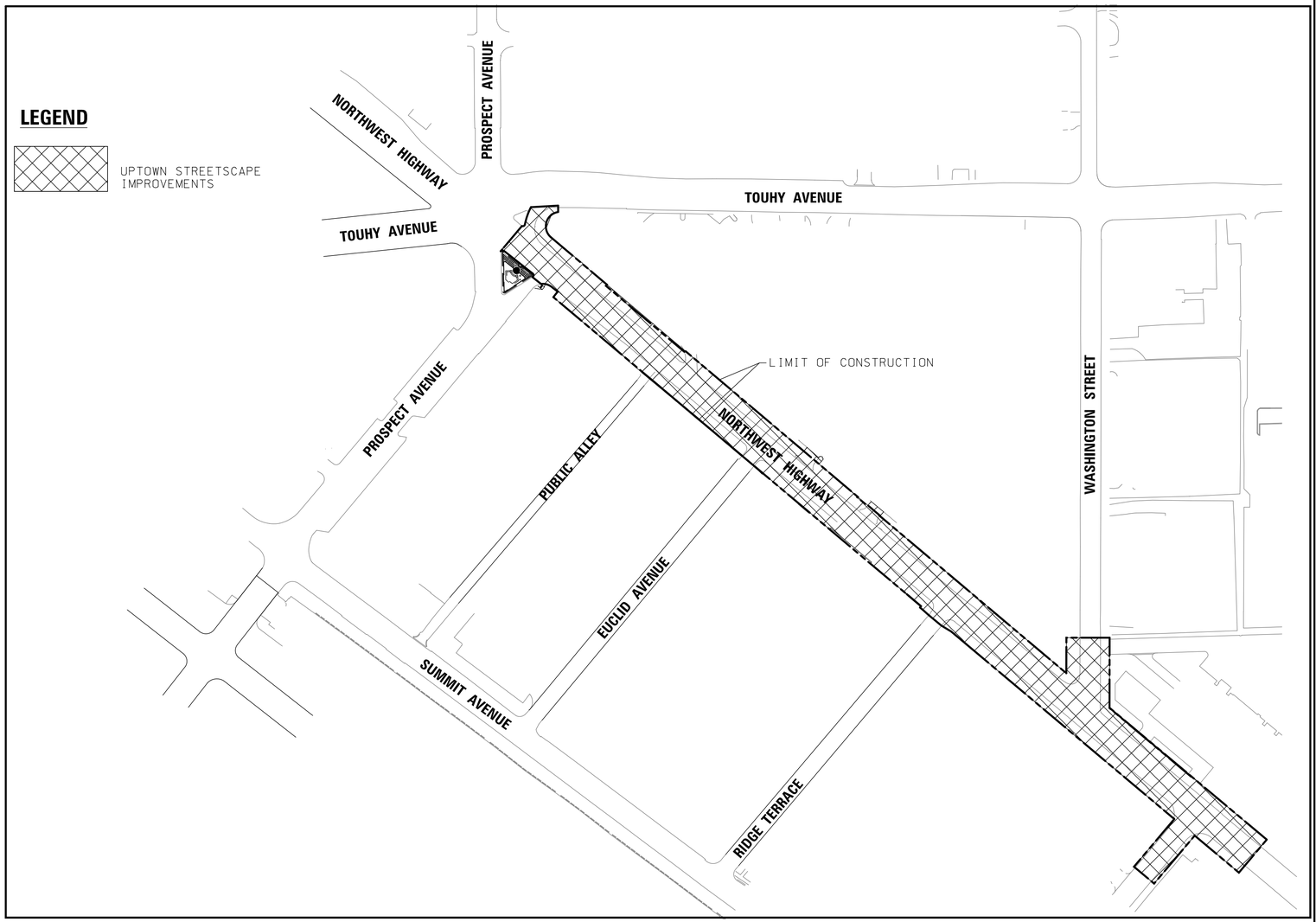
2. A TEMPORARY 6' FENCE WITH PRIVACY SCREENING ON TEMPORARY FOOTINGS WITH SANDBAGS MUST BE PLACED BETWEEN THE PEDESTRIAN PATH AND WORK ZONE. THESE BARRICADES MUST BE SECURE FROM FALLING OVER.

3. USE ONE "PEDESTRIAN WALKWAY (ARROW)" (BLACK LEGEND ON WHITE REFLECTORIZED BACKGROUND) SIGN AT EACH END OF EACH SIDEWALK SECTION BEING RECONSTRUCTED (STANDARD 701801).

4. AT EACH POINT OF CLOSURE, SUFFICIENT NUMBERS OF BARRICADES MUST BE USED TO COMPLETELY CLOSE THE PATHWAY.

5. PEDESTRIAN WALKWAYS MUST BE MAINTAINED FREE OF ANY OBSTRUCTIONS AND HAZARDS SUCH AS HOLES, DEBRIS, MUD, CONSTRUCTION EQUIPMENT, STORED MATERIALS, ETC. AND MUST BE BROOM SWEPT DAILY OR AS DIRECTED BY THE ENGINEER.

6. ALL HAZARDS NEAR OR ADJACENT TO WALKWAYS MUST BE CLEARLY DELINEATED.



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	PLOT DATE = 11/13/2017	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STAGE CONSTRUCTION AND TRAFFIC CONTROL – GENERAL NOTES

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3524	10-00149-01-LS	COOK	69	17
		CONTRACT NO. 61E27		
	ILLINOIS FED. AID PROJECT			

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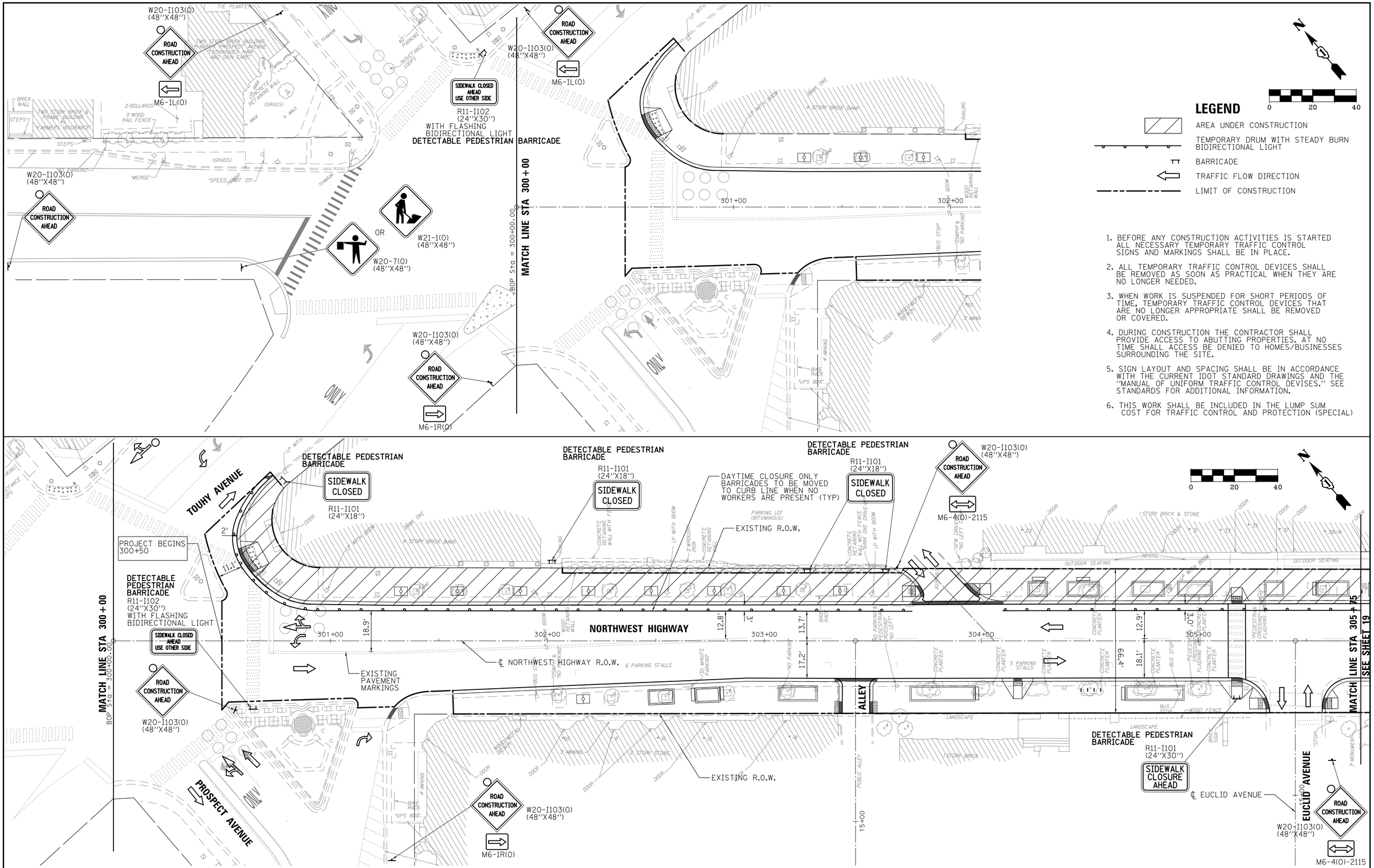

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	PLOT DATE = 11/13/2017	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STAGE CONSTRUCTION AND TRAFFIC CONTROL
NORTHWEST HIGHWAY – STAGE 1

SCALE: 1"=20' | SHEET 1 OF 5 SHEETS | STA. 300+50 TO STA. 305+75

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3524	10-00149-01-LS	COOK	69	18
		CONTRACT NO. 61E27		
		ILLINOIS FED. AID PROJECT		

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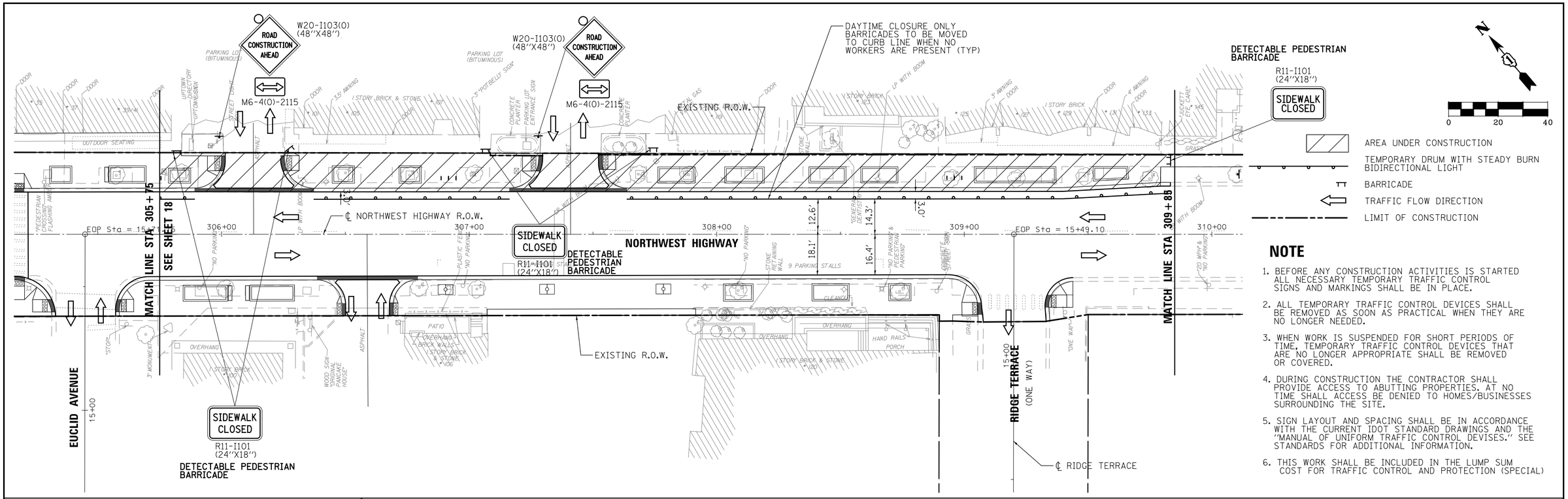
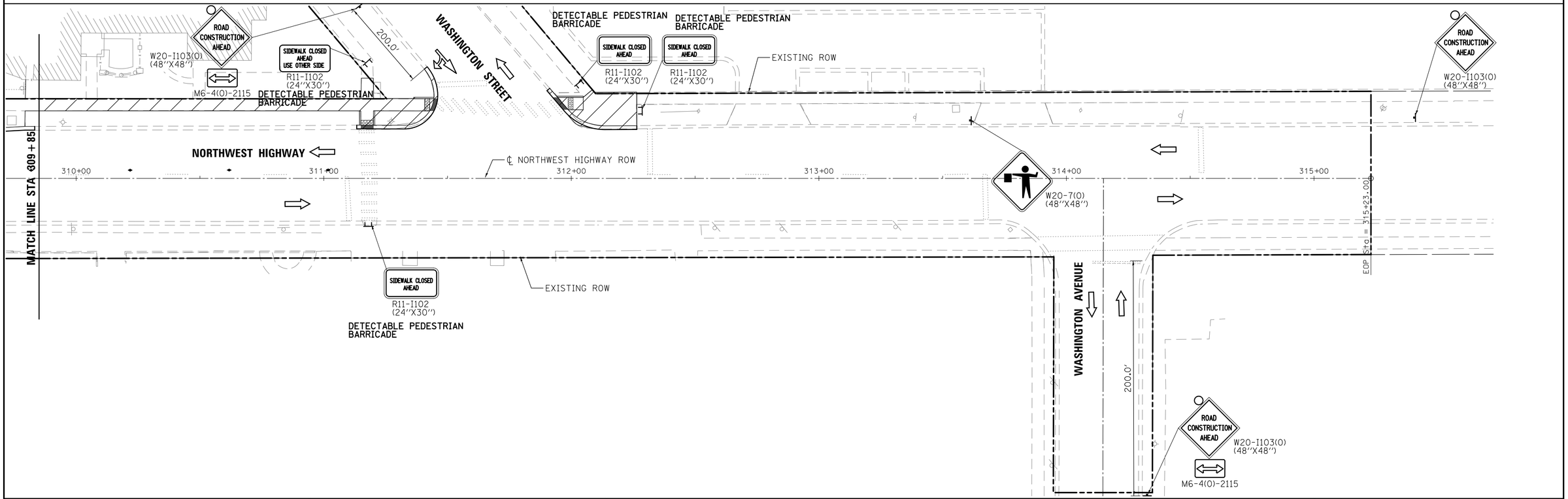


NOTE

1. BEFORE ANY CONSTRUCTION ACTIVITIES IS STARTED ALL NECESSARY TEMPORARY TRAFFIC CONTROL SIGNS AND MARKINGS SHALL BE IN PLACE.
2. ALL TEMPORARY TRAFFIC CONTROL DEVICES SHALL BE REMOVED AS SOON AS PRACTICAL WHEN THEY ARE NO LONGER NEEDED.
3. WHEN WORK IS SUSPENDED FOR SHORT PERIODS OF TIME, TEMPORARY TRAFFIC CONTROL DEVICES THAT ARE NO LONGER APPROPRIATE SHALL BE REMOVED OR COVERED.
4. DURING CONSTRUCTION THE CONTRACTOR SHALL PROVIDE ACCESS TO ABUTTING PROPERTIES. AT NO TIME SHALL ACCESS BE DENIED TO HOMES/BUSINESSES SURROUNDING THE SITE.
5. SIGN LAYOUT AND SPACING SHALL BE IN ACCORDANCE WITH THE CURRENT IDOT STANDARD DRAWINGS AND THE "MANUAL OF UNIFORM TRAFFIC CONTROL DEVISES." SEE STANDARDS FOR ADDITIONAL INFORMATION.
6. THIS WORK SHALL BE INCLUDED IN THE LUMP SUM COST FOR TRAFFIC CONTROL AND PROTECTION (SPECIAL)



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STAGE CONSTRUCTION AND TRAFFIC CONTROL PLAN
NORTHWEST HIGHWAY – STAGE 1

SCALE: 1"=20' | SHEET 2 OF 5 SHEETS | STA. 309+85 TO STA. 315+23

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3524	10-00149-01-LS	COOK	69	19
		CONTRACT NO. 61E27		
		ILLINOIS	FED. AID PROJECT	

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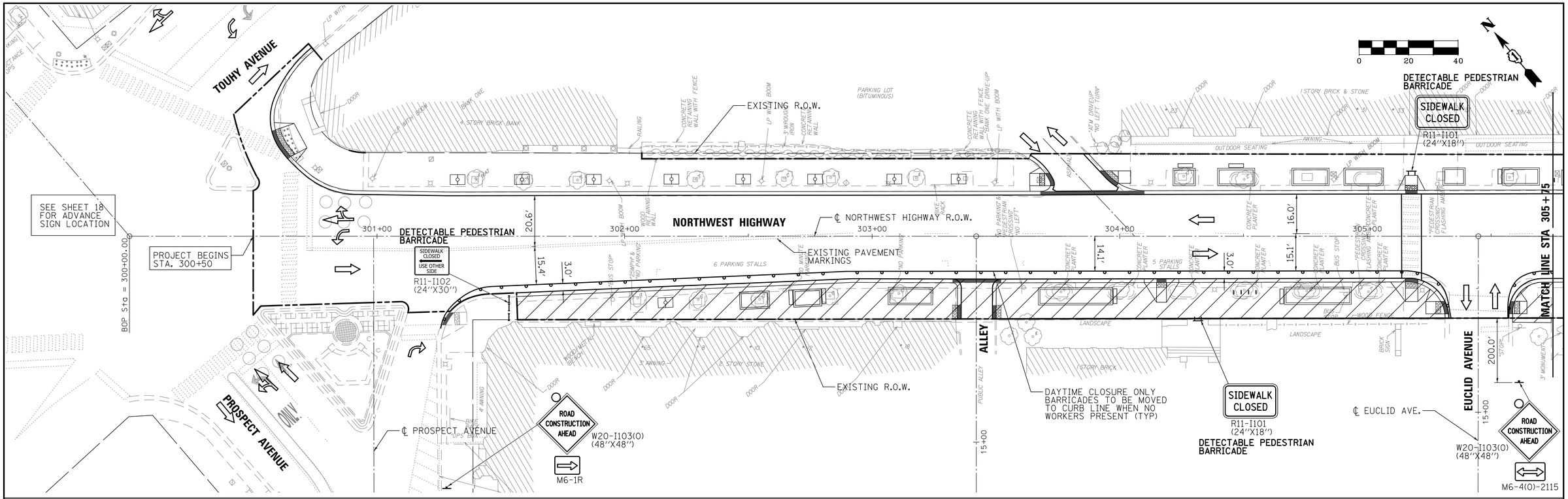

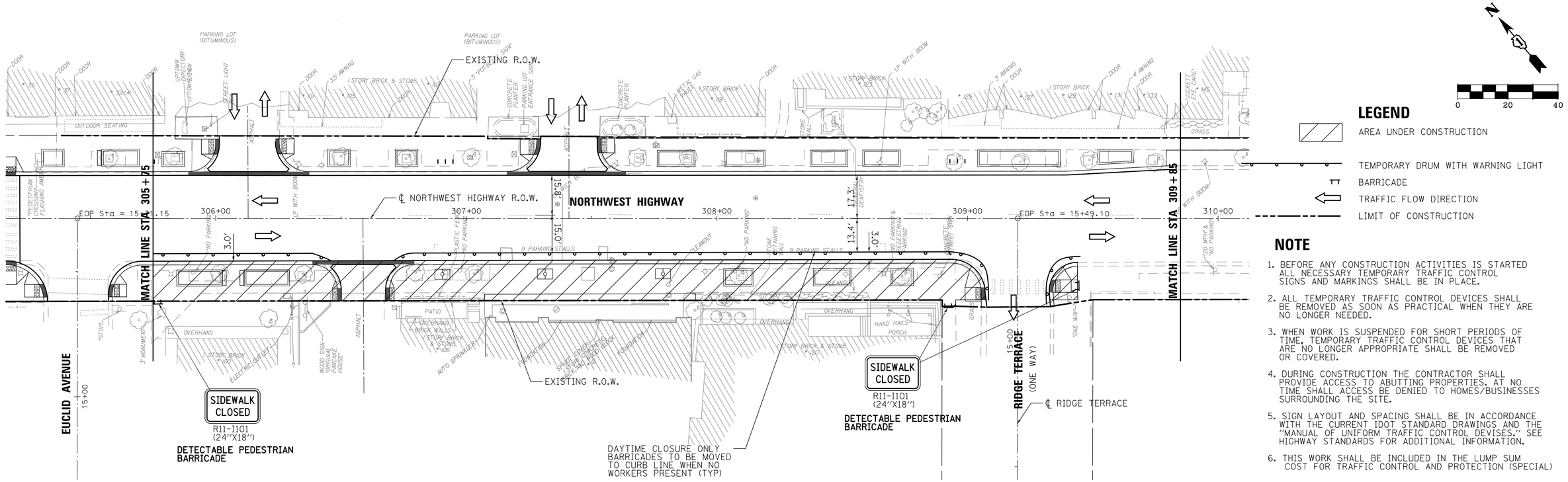

LEGEND

- AREA UNDER CONSTRUCTION
- TEMPORARY DRUM WITH WARNING LIGHT
- BARRICADE
- TRAFFIC FLOW DIRECTION
- LIMIT OF CONSTRUCTION

NOTE

1. BEFORE ANY CONSTRUCTION ACTIVITIES IS STARTED ALL NECESSARY TEMPORARY TRAFFIC CONTROL SIGNS AND MARKINGS SHALL BE IN PLACE.
2. ALL TEMPORARY TRAFFIC CONTROL DEVICES SHALL BE REMOVED AS SOON AS PRACTICAL WHEN THEY ARE NO LONGER NEEDED.
3. WHEN WORK IS SUSPENDED FOR SHORT PERIODS OF TIME, TEMPORARY TRAFFIC CONTROL DEVICES THAT ARE NO LONGER APPROPRIATE SHALL BE REMOVED OR COVERED.
4. DURING CONSTRUCTION THE CONTRACTOR SHALL PROVIDE ACCESS TO ABUTTING PROPERTIES. AT NO TIME SHALL ACCESS BE DENIED TO HOMES/BUSINESSES SURROUNDING THE SITE.
5. SIGN LAYOUT AND SPACING SHALL BE IN ACCORDANCE WITH THE CURRENT IDOT STANDARD DRAWINGS AND THE "MANUAL OF UNIFORM TRAFFIC CONTROL DEVISES." SEE HIGHWAY STANDARDS FOR ADDITIONAL INFORMATION.
6. THIS WORK SHALL BE INCLUDED IN THE LUMP SUM COST FOR TRAFFIC CONTROL AND PROTECTION (SPECIAL)

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	PLOT DATE = 11/13/2017	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC PLAN
NORTHWEST HIGHWAY – STAGE 2

SCALE: 1"=20' | SHEET 3 OF 5 SHEETS | STA. 300+50 TO STA. 309+85

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3524	10-00149-01-LS	COOK	69	20
		CONTRACT NO. 61E27		
	ILLINOIS FED. AID PROJECT			

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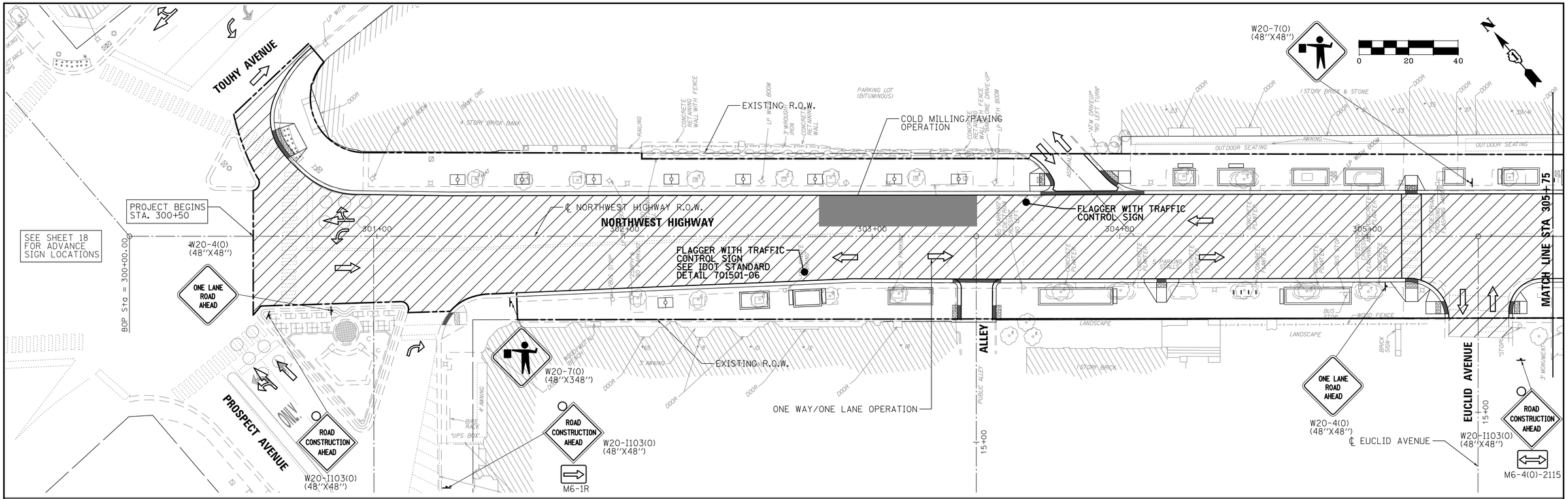

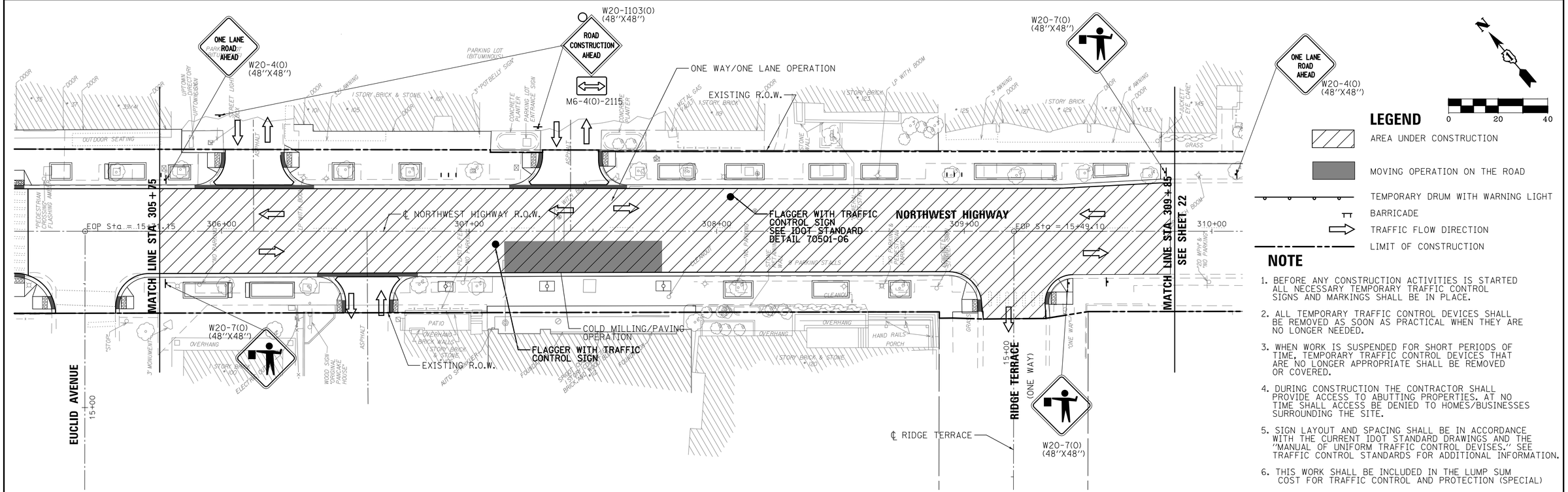

LEGEND

- AREA UNDER CONSTRUCTION
- MOVING OPERATION ON THE ROAD
- TEMPORARY DRUM WITH WARNING LIGHT
- BARRICADE
- TRAFFIC FLOW DIRECTION
- LIMIT OF CONSTRUCTION

NOTE

1. BEFORE ANY CONSTRUCTION ACTIVITIES IS STARTED ALL NECESSARY TEMPORARY TRAFFIC CONTROL SIGNS AND MARKINGS SHALL BE IN PLACE.
2. ALL TEMPORARY TRAFFIC CONTROL DEVICES SHALL BE REMOVED AS SOON AS PRACTICAL WHEN THEY ARE NO LONGER NEEDED.
3. WHEN WORK IS SUSPENDED FOR SHORT PERIODS OF TIME, TEMPORARY TRAFFIC CONTROL DEVICES THAT ARE NO LONGER APPROPRIATE SHALL BE REMOVED OR COVERED.
4. DURING CONSTRUCTION THE CONTRACTOR SHALL PROVIDE ACCESS TO ABUTTING PROPERTIES. AT NO TIME SHALL ACCESS BE DENIED TO HOMES/BUSINESSES SURROUNDING THE SITE.
5. SIGN LAYOUT AND SPACING SHALL BE IN ACCORDANCE WITH THE CURRENT IDOT STANDARD DRAWINGS AND THE "MANUAL OF UNIFORM TRAFFIC CONTROL DEVISES." SEE TRAFFIC CONTROL STANDARDS FOR ADDITIONAL INFORMATION.
6. THIS WORK SHALL BE INCLUDED IN THE LUMP SUM COST FOR TRAFFIC CONTROL AND PROTECTION (SPECIAL)

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		DRAWN -	REVISED -
	PLOT SCALE = 1:20	CHECKED - JCK	REVISED -
	PLOT DATE = 11/13/2017	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STAGE CONSTRUCTION & MAINTENANCE OF TRAFFIC PLAN
NORTHWEST HIGHWAY – STAGE 3

SCALE: 1"=20' | SHEET 4 OF 5 SHEETS | STA. 300+50 | TO STA. 309+85

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3524	10-00149-01-LS	COOK	69	21
		CONTRACT NO. 61E27		
	ILLINOIS FED. AID PROJECT			

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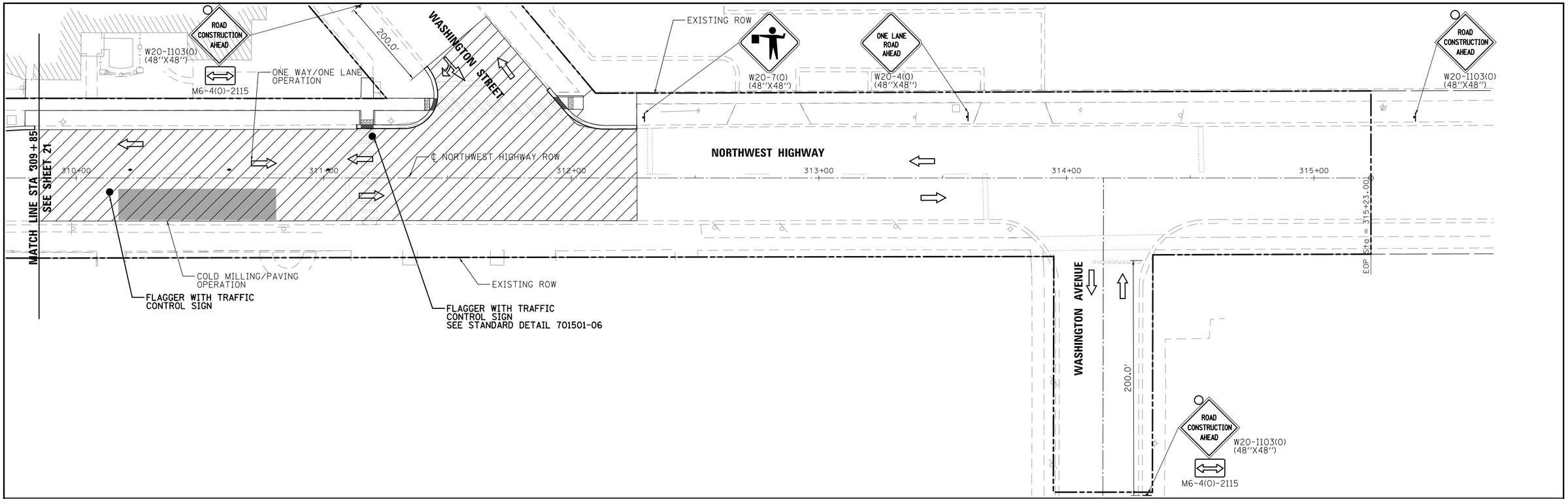

LEGEND

- AREA UNDER CONSTRUCTION
- MOVING OPERATION ON THE ROAD
- TEMPORARY DRUM WITH WARNING LIGHT
- BARRICADE
- TRAFFIC FLOW DIRECTION
- LIMIT OF CONSTRUCTION

NOTE:

1. BEFORE ANY CONSTRUCTION ACTIVITIES IS STARTED ALL NECESSARY TEMPORARY TRAFFIC CONTROL SIGNS AND MARKINGS SHALL BE IN PLACE.
2. ALL TEMPORARY TRAFFIC CONTROL DEVICES SHALL BE REMOVED AS SOON AS PRACTICAL WHEN THEY ARE NO LONGER NEEDED.
3. WHEN WORK IS SUSPENDED FOR SHORT PERIODS OF TIME, TEMPORARY TRAFFIC CONTROL DEVICES THAT ARE NO LONGER APPROPRIATE SHALL BE REMOVED OR COVERED.
4. DURING CONSTRUCTION THE CONTRACTOR SHALL PROVIDE ACCESS TO ABUTTING PROPERTIES. AT NO TIME SHALL ACCESS BE DENIED TO HOMES/BUSINESSES SURROUNDING THE SITE.
5. SIGN LAYOUT AND SPACING SHALL BE IN ACCORDANCE WITH THE CURRENT IDOT STANDARD DRAWINGS AND THE "MANUAL OF UNIFORM TRAFFIC CONTROL DEVISES." SEE STANDARDS FOR ADDITIONAL INFORMATION.
6. THIS WORK SHALL BE INCLUDED IN THE LUMP SUM COST FOR TRAFFIC CONTROL AND PROTECTION (SPECIAL)

FILE NAME = 3737_21MT05.dgn	USER NAME = bstanuch	DESIGNED - BS	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 1:20	CHECKED - JCK	REVISED -
	PLOT DATE = 11/13/2017	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STAGE CONSTRUCTION AND TRAFFIC CONTROL PLAN
NORTHWEST HIGHWAY – STAGE 3

SCALE: 1"=20' | SHEET 5 OF 5 SHEETS | STA. 309+85 TO STA. 315+23

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3524	10-00149-01-LS	COOK	69	22
		CONTRACT NO. 61E27		
	ILLINOIS	FED. AID PROJECT		

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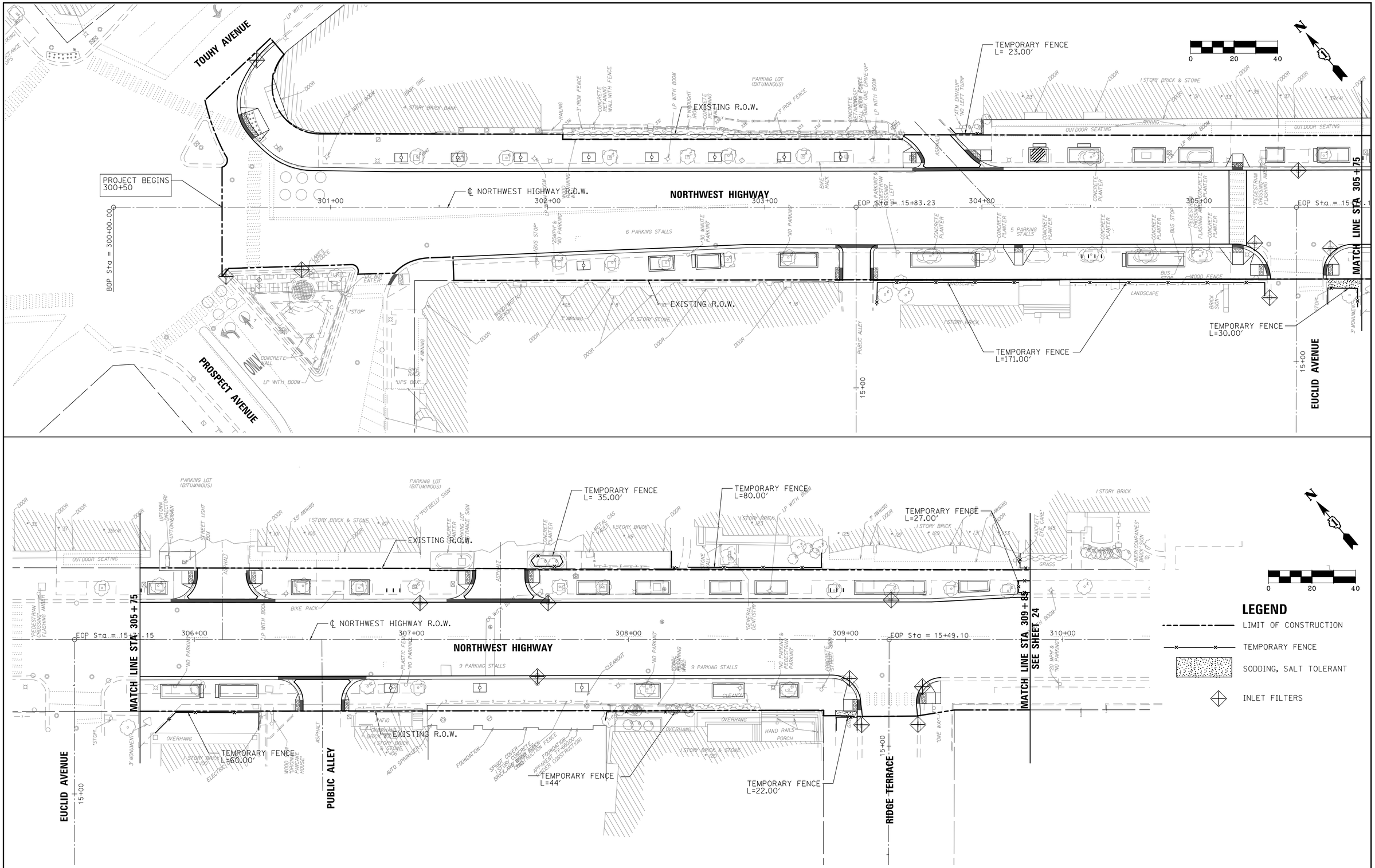

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	PLOT DATE = 11/13/2017	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EROSION AND SEDIMENT CONTROL
NORTHWEST HIGHWAY

SCALE: 1"=20' | SHEET 1 OF 2 SHEETS | STA. 300+50 | TO STA. 309+85

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3524	10-00149-01-LS	COOK	69	23
		CONTRACT NO. 61E27		
		ILLINOIS	FED. AID PROJECT	

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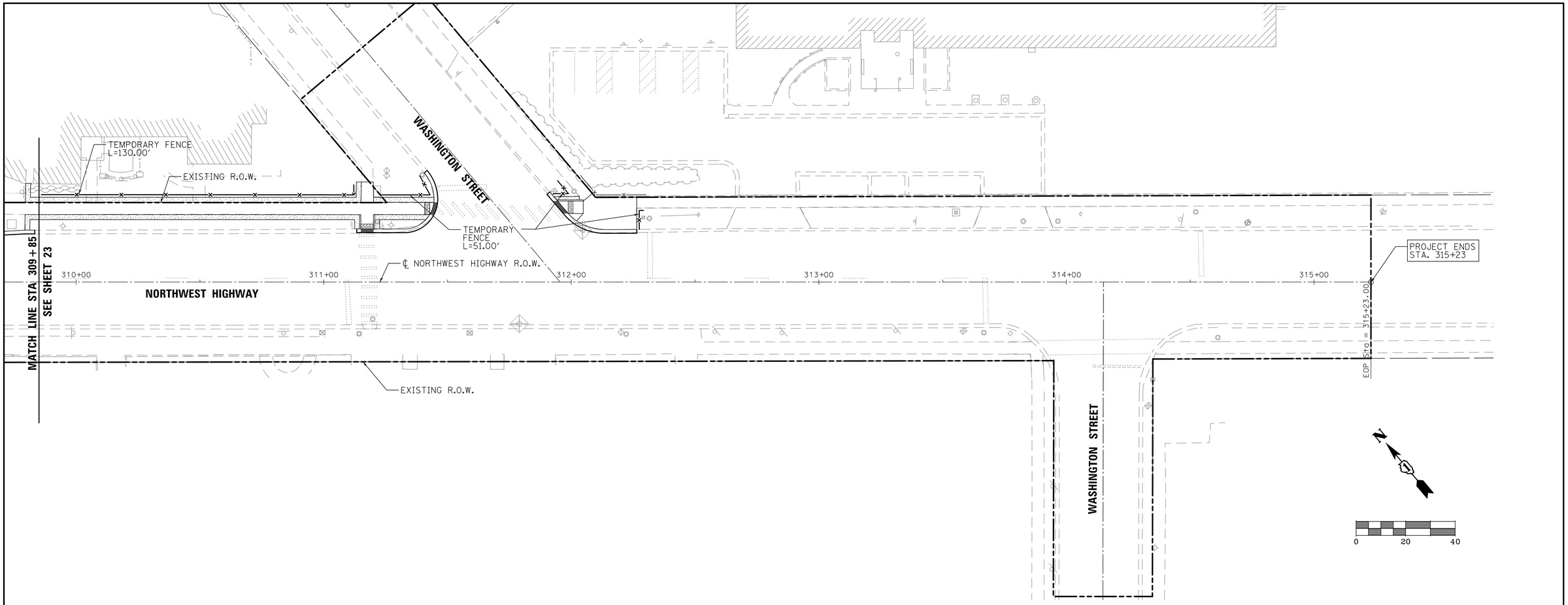

LEGEND

- LIMIT OF CONSTRUCTION
- ORANGE SAFETY FENCE
- SODDING, SALT TOLERANT
- INLET FILTERS

FILE NAME = 3737_21EC02.dgn	USER NAME = bstanuch	DESIGNED - BS	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 1:20	CHECKED - JCK	REVISED -
	PLOT DATE = 11/13/2017	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EROSION AND SEDIMENT CONTROL
NORTHWEST HIGHWAY

SCALE: 1"=20' | SHEET 2 OF 2 SHEETS | STA. 309+85 | TO STA. 315+23

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3524	10-00149-01-LS	COOK	69	24
		CONTRACT NO. 61E27		
	ILLINOIS	FED. AID PROJECT		

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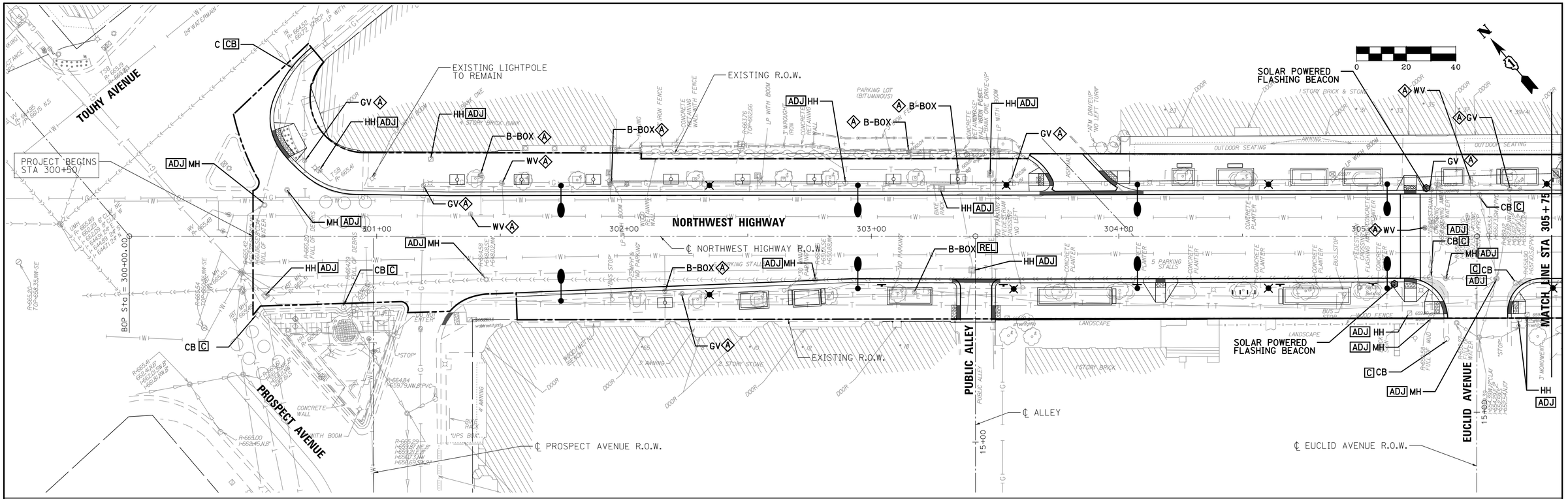

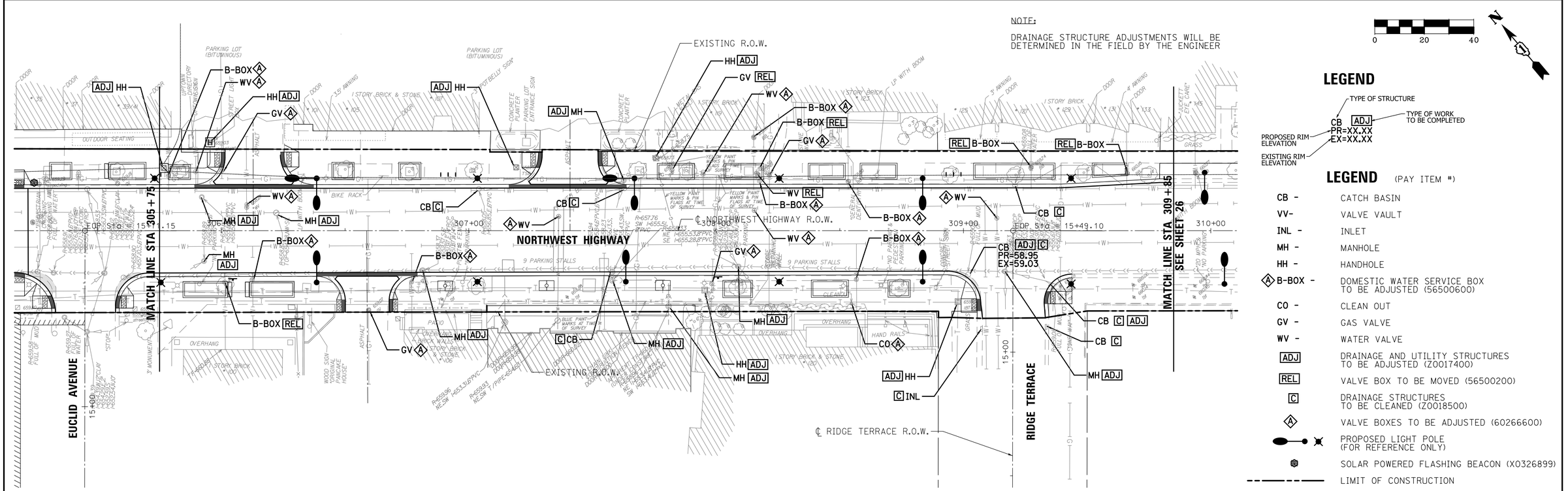

LEGEND

TYPE OF STRUCTURE
CB ADJ
PR=XX.XX
EX=XX.XX
PROPOSED RIM ELEVATION
EXISTING RIM ELEVATION
TYPE OF WORK TO BE COMPLETED

LEGEND (PAY ITEM #)

- CB - CATCH BASIN
- VV- VALVE VAULT
- INL - INLET
- MH - MANHOLE
- HH - HANDHOLE
- A B-BOX - DOMESTIC WATER SERVICE BOX TO BE ADJUSTED (56500600)
- CO - CLEAN OUT
- GV - GAS VALVE
- WV - WATER VALVE
- ADJ - DRAINAGE AND UTILITY STRUCTURES TO BE ADJUSTED (Z0017400)
- REL - VALVE BOX TO BE MOVED (56500200)
- C - DRAINAGE STRUCTURES TO BE CLEANED (Z0018500)
- A - VALVE BOXES TO BE ADJUSTED (60266600)
- PROPOSED LIGHT POLE (FOR REFERENCE ONLY)
- SOLAR POWERED FLASHING BEACON (X0326899)
- LIMIT OF CONSTRUCTION

FILE NAME = 3737_21UT01.dgn	USER NAME = bstanuch	DESIGNED - BS	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 1:20	CHECKED - JCK	REVISED -
	PLOT DATE = 11/13/2017	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED UTILITY PLAN
NORTHWEST HIGHWAY

SCALE: 1"=20' | SHEET 1 OF 2 SHEETS | STA. 300+50 | TO STA. 309+85

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3524	10-00149-01-LS	COOK	69	25
		CONTRACT NO. 61E27		
		ILLINOIS FED. AID PROJECT		

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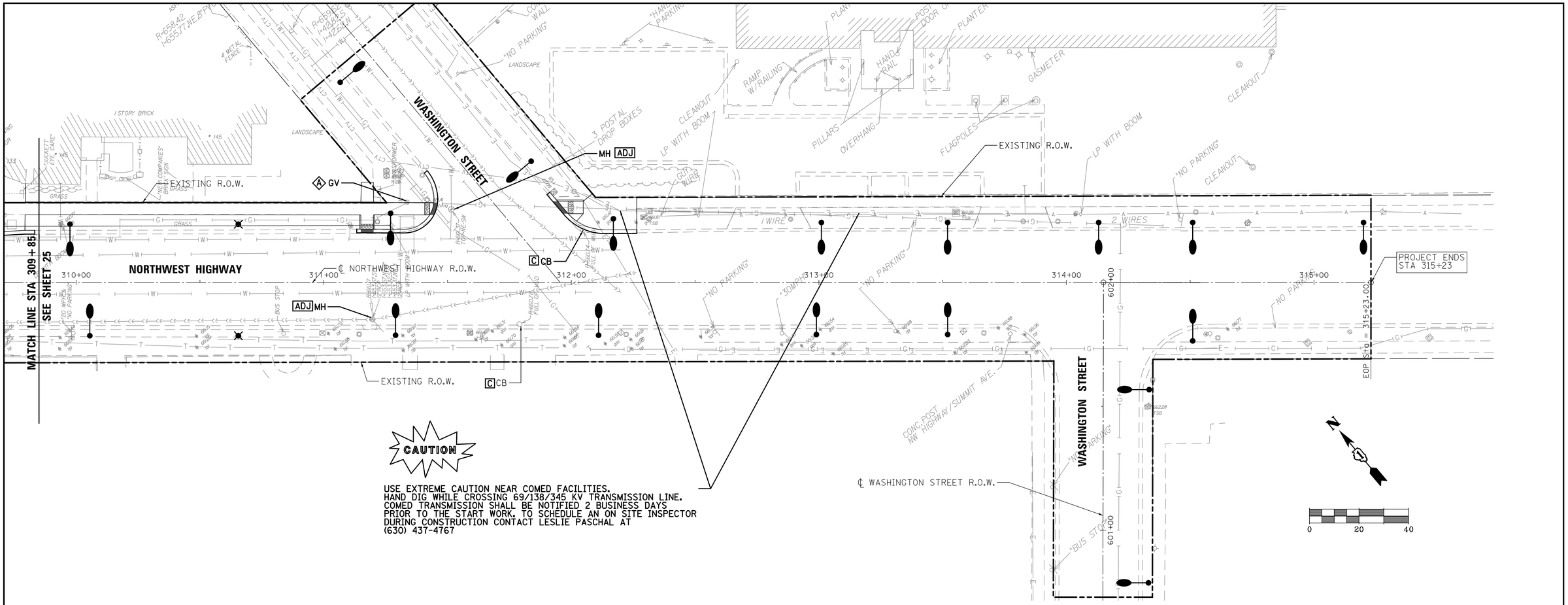
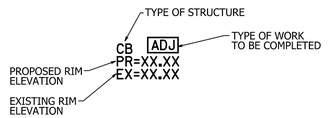


CAUTION

USE EXTREME CAUTION NEAR COMED FACILITIES.
HAND DIG WHILE CROSSING 69/138/345 KV TRANSMISSION LINE.
COMED TRANSMISSION SHALL BE NOTIFIED 2 BUSINESS DAYS
PRIOR TO THE START WORK. TO SCHEDULE AN ON SITE INSPECTOR
DURING CONSTRUCTION CONTACT LESLIE PASCHAL AT
(630) 437-4767

LEGEND



LEGEND (PAY ITEM #)

CB -	CATCH BASIN
VV-	VALVE VAULT
INL -	INLET
MH -	MANHOLE
HH -	HANDHOLE
Ⓐ B-BOX -	DOMESTIC WATER SERVICE BOX TO BE ADJUSTED (56500600)
CO -	CLEAN OUT
GV -	GAS VALVE
WV -	WATER VALVE
ADJ	DRAINAGE AND UTILITY STRUCTURE TO BE ADJUSTED (20017400)
C	DRAINAGE STRUCTURES TO BE CLEANED (Z0018500)
Ⓐ	VALVE BOXES TO BE ADJUSTED (60266600)
	PROPOSED LIGHT POLE (FOR REFERENCE ONLY)
	LIMIT OF CONSTRUCTION

FILE NAME = 3737_21UT02.dgn	USER NAME = bstanuch	DESIGNED - BS	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 1:20	CHECKED - JCK	REVISED -
	PLOT DATE = 11/13/2017	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED UTILITY PLAN
NORTHWEST HIGHWAY

SCALE: 1"=20' | SHEET 2 OF 2 SHEETS | STA. 309+85 | TO STA. 315+23

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3524	10-00149-01-LS	COOK	69	26
		CONTRACT NO. 61E27		
	ILLINOIS	FED. AID PROJECT		

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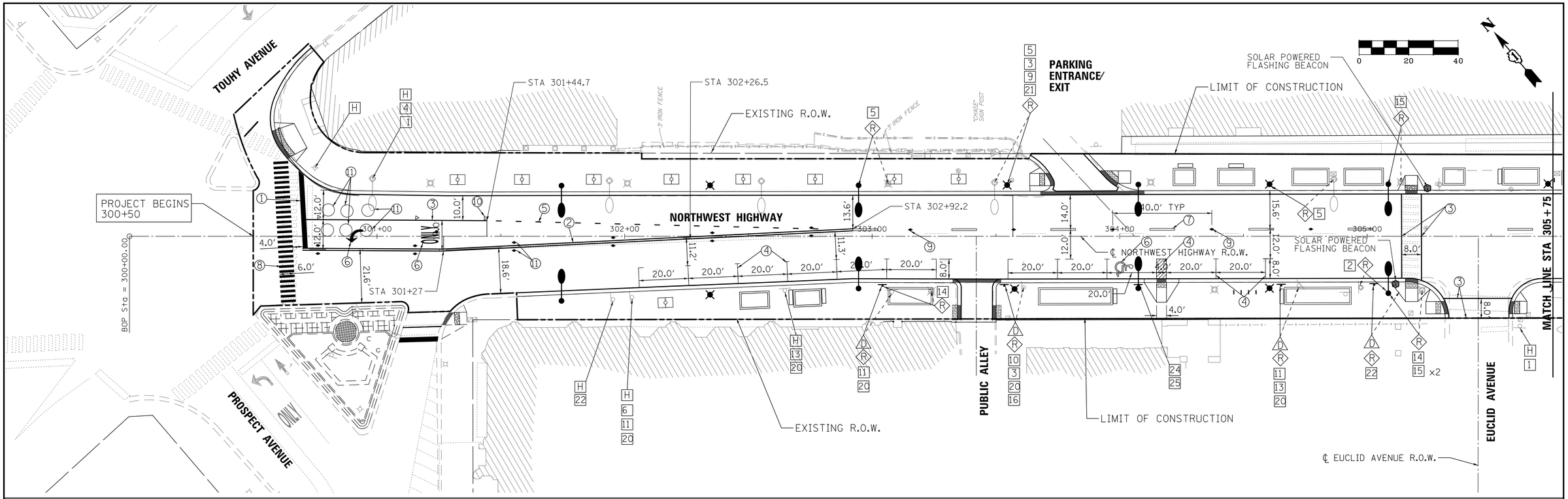

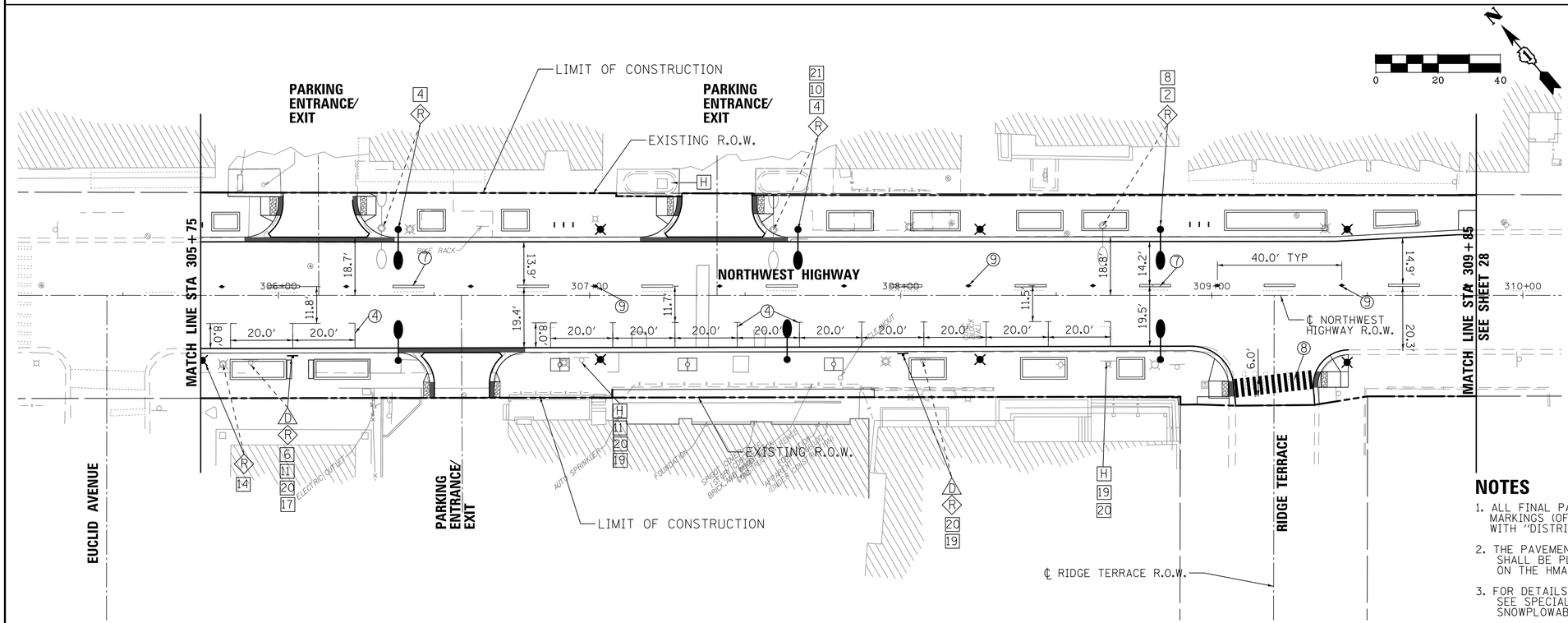

SEE SHEET 29 FOR SIGN LEGEND

SIGN LEGEND (PAY ITEM #)

- PROPOSED SIGN POST (X6300230)
- [H] SIGN TO REMAIN
- [D] SIGN POST TO BE REMOVED (73700100)
- [R] SIGN PANEL TO BE REMOVED AND RELOCATED (72400310, 72400710)

PAVEMENT MARKING LEGEND

1. 24" THERMOPLASTIC WHITE SOLID LINE
2. 2-4" THERMOPLASTIC YELLOW SOLID LINES @ 11" C-C
3. 6" THERMOPLASTIC WHITE SOLID LINE
4. 4" THERMOPLASTIC WHITE SOLID LINE
5. 6" THERMOPLASTIC DASHED WHITE LINES (2' LINE, 6' SKIP)
6. THERMOPLASTIC WHITE SYMBOLS/LETTERS
7. 4" THERMOPLASTIC DASHED YELLOW LINE (10' LINE, 30' SKIP)
8. 12" THERMOPLASTIC WHITE SOLID LINE
9. RAISED REFLECTIVE PAVEMENT MARKER (TWO WAY AMBER, 40 FEET ON CENTER UNLESS OTHERWISE NOTED)
10. RAISED REFLECTIVE PAVEMENT MARKER (ONE WAY CRYSTAL, 40 FEET ON CENTER UNLESS OTHERWISE NOTED)
11. DETECTOR LOOP REPLACEMENT (TOTAL 216 FOOT)

NOTES

1. ALL FINAL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC PAVEMENT MARKINGS (OF THE EXTRUDED TYPE) AND SHOULD BE PLACED IN ACCORDANCE WITH "DISTRICT ONE TYPICAL PAVEMENT MARKING" DETAIL STANDARDS TC-13.
2. THE PAVEMENT MARKING FOR THE DECORATIVE CROSSWALKS SHALL BE PLACED IMMEDIATELY ADJACENT TO THE CROSSWALK ON THE HMA PAVEMENT.
3. FOR DETAILS AND SYMBOLS OF RAISED REFLECTIVE PAVEMENT MARKS SEE SPECIAL DETAIL FOR "TYPICAL APPLICATION OF DUAL DIRECTIONAL SNOWPLOWABLE RAISED PAVEMENT MARKERS".

FILE NAME = 3737_21PM01.dgn	USER NAME = bstanuch	DESIGNED - BS	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 1:20	CHECKED - JCK	REVISED -
	PLOT DATE = 11/13/2017	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED SIGNING, PAVEMENT MARKING AND LOOP DETECTOR REPLACEMENT PLAN
NORTHWEST HIGHWAY

SCALE: 1"=20' | SHEET 1 OF 2 SHEETS | STA. 300+50 TO STA. 309+85

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3524	10-00149-01-LS	COOK	69	27
		CONTRACT NO. 61E27		
		ILLINOIS FED. AID PROJECT		

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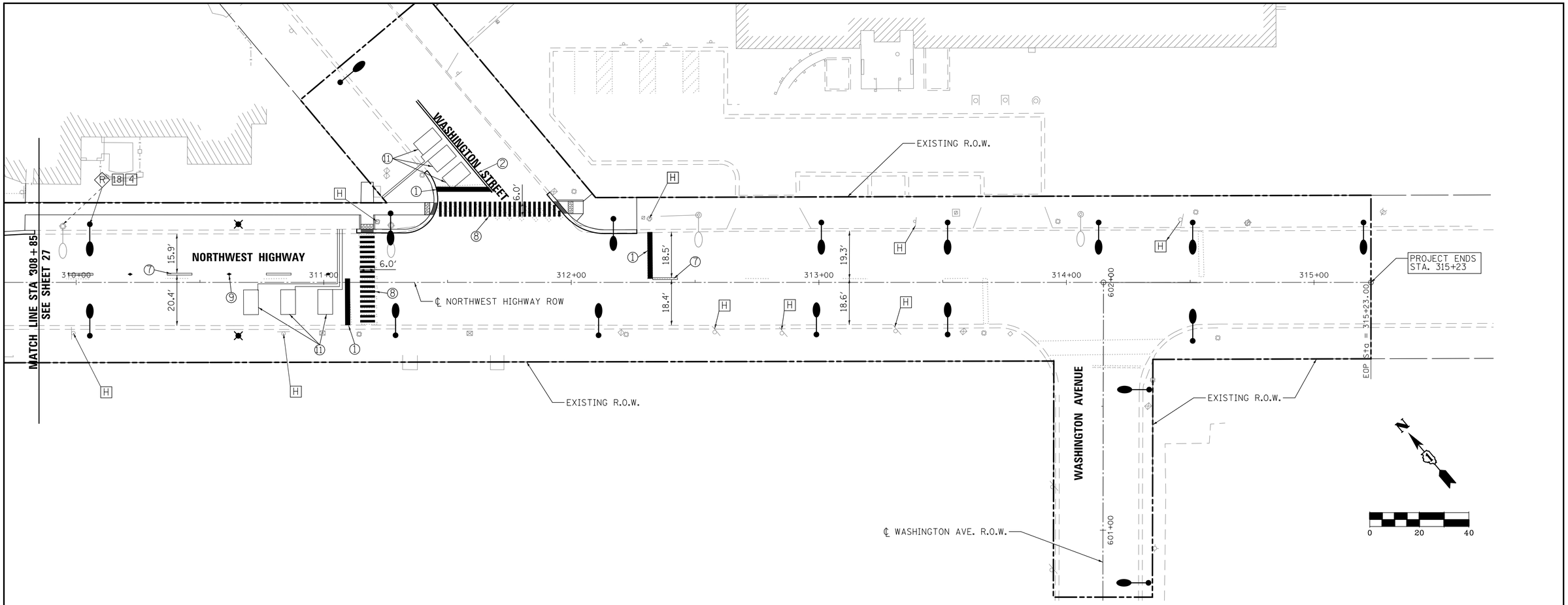

SIGN LEGEND (PAY ITEM #)

- PROPOSED SIGN (X6300230)
- [H] SIGN TO REMAIN
- [D] SIGN POST TO BE REMOVED (73700100)
- [R] SIGN PANEL TO BE REMOVED AND RELOCATED (72400310, 72400710)

PAVEMENT MARKING LEGEND

1. 24" THERMOPLASTIC WHITE SOLID LINE
2. 2-4" THERMOPLASTIC YELLOW SOLID LINES @ 11" C-C
3. 6" THERMOPLASTIC WHITE SOLID LINE
4. 4" THERMOPLASTIC WHITE SOLID LINE
5. 6" THERMOPLASTIC DASHED WHITE LINES (2' LINE, 6' SKIP)
6. THERMOPLASTIC WHITE SYMBOLS/LETTERS
7. 4" THERMOPLASTIC DASHED YELLOW LINE (10' LINE, 30' SKIP)
8. 12" THERMOPLASTIC WHITE SOLID LINE
9. RAISED REFLECTIVE PAVEMENT MARKER (TWO WAY AMBER, 40 FEET ON CENTER UNLESS OTHERWISE NOTED)
10. RAISED REFLECTIVE PAVEMENT MARKER (ONE WAY CRYSTAL, 40 FEET ON CENTER UNLESS OTHERWISE NOTED)
11. DETECTOR LOOP REPLACEMENT

NOTES

1. ALL FINAL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC PAVEMENT MARKINGS (OF THE EXTRUDED TYPE) AND SHOULD BE PLACED IN ACCORDANCE WITH "DISTRICT ONE TYPICAL PAVEMENT MARKING" DETAIL STANDARDS TC-13.
2. THE PAVEMENT MARKING FOR THE DECORATIVE CROSSWALKS SHALL BE PLACED IMMEDIATELY ADJACENT TO THE CROSSWALK ON THE HMA PAVEMENT.
3. FOR DETAILS AND SYMBOLS OF RAISED REFLECTIVE PAVEMENT MARKS SEE SPECIAL DETAIL FOR "TYPICAL APPLICATION OF DUAL DIRECTIONAL SNOWPLOWABLE RAISED PAVEMENT MARKERS".

SEE SHEET 29 FOR SIGN LEGEND

FILE NAME = 3737_21PM02.dgn	USER NAME = bstanuch	DESIGNED - BS	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 1:20	CHECKED - JCK	REVISED -
	PLOT DATE = 11/13/2017	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED SIGNING,PAVEMENT MARKING AND LOOP DETECTOR REPLACEMENT PLAN
NORTHWEST HIGHWAY

SCALE: 1"=20' | SHEET 2 OF 2 SHEETS | STA. 308+85 TO STA. 315+23

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3524	10-00149-01-LS	COOK	69	28
		CONTRACT NO. 61E27		
	ILLINOIS	FED. AID PROJECT		

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1

W16-7P
24''X30''

2

R2-1
24''X30''

3

R3-4
24''X24''

4

R7-6
12''X18''

5

R7-6
12''X18''

6

R7-6
12''X18''

7

R10-7
24''X30''

8

R10-11A
24''X30''

9

S1-1
36''X36''

10

W11-2
36''X36''

11

12''X18''

12

12''X18''

13

12''X18''

14

12''X18''

15

12''X18''

16

12''X18''

17

12''X18''

18

12''X18''

19

12''X18''

20

12''X18''

21

W16-9P
24''X12''

22

12''X18''

24

R7-8
12''X18''

25

6''X12''

FILE NAME = 3737_21SIGN.dgn	USER NAME = bstanuch	DESIGNED - BS	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 1:20	CHECKED - JCK	REVISED -
	PLOT DATE = 11/13/2017	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIGN LEGEND

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3524	10-00149-01-LS	COOK	69	29
		CONTRACT NO. 61E27		
	ILLINOIS	FED. AID PROJECT		

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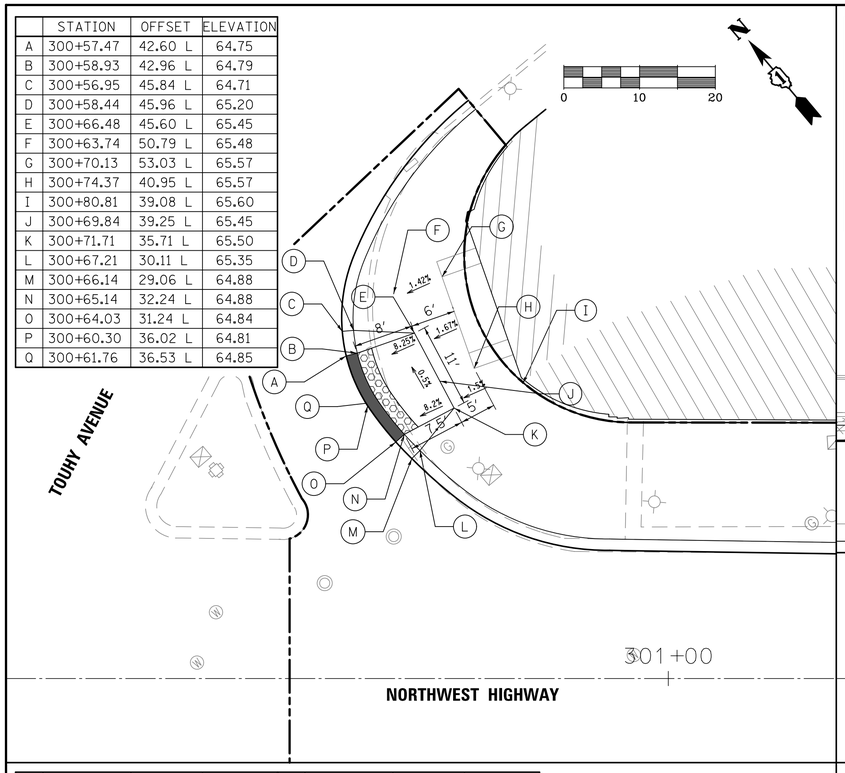
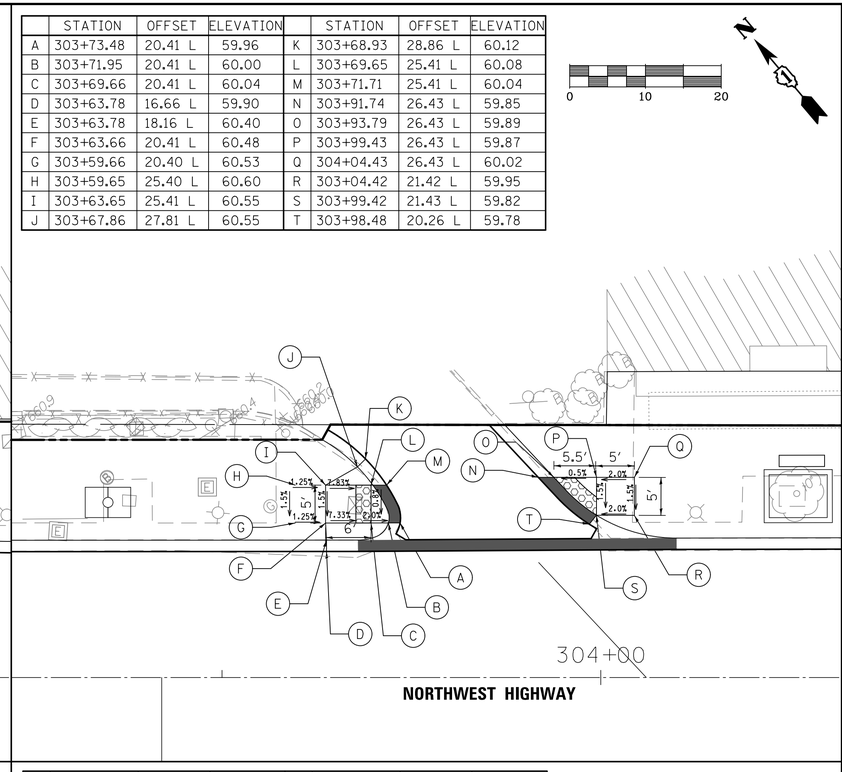
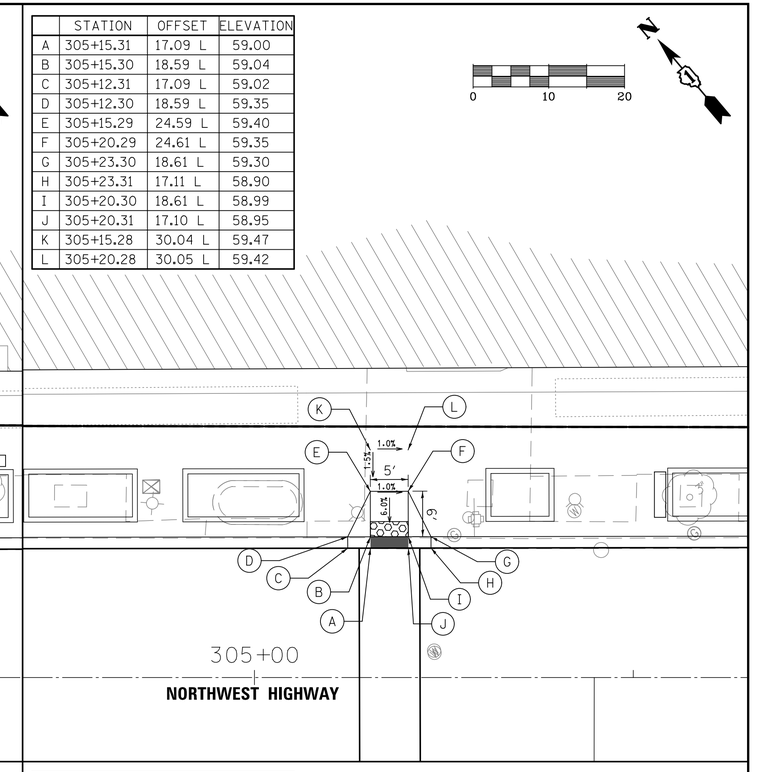
	STATION	OFFSET	ELEVATION
A	300+57.47	42.60 L	64.75
B	300+58.93	42.96 L	64.79
C	300+56.95	45.84 L	64.71
D	300+58.44	45.96 L	65.20
E	300+66.48	45.60 L	65.45
F	300+63.74	50.79 L	65.48
G	300+70.13	53.03 L	65.57
H	300+74.37	40.95 L	65.57
I	300+80.81	39.08 L	65.60
J	300+69.84	39.25 L	65.45
K	300+71.71	35.71 L	65.50
L	300+67.21	30.11 L	65.35
M	300+66.14	29.06 L	64.88
N	300+65.14	32.24 L	64.88
O	300+64.03	31.24 L	64.84
P	300+60.30	36.02 L	64.81
Q	300+61.76	36.53 L	64.85



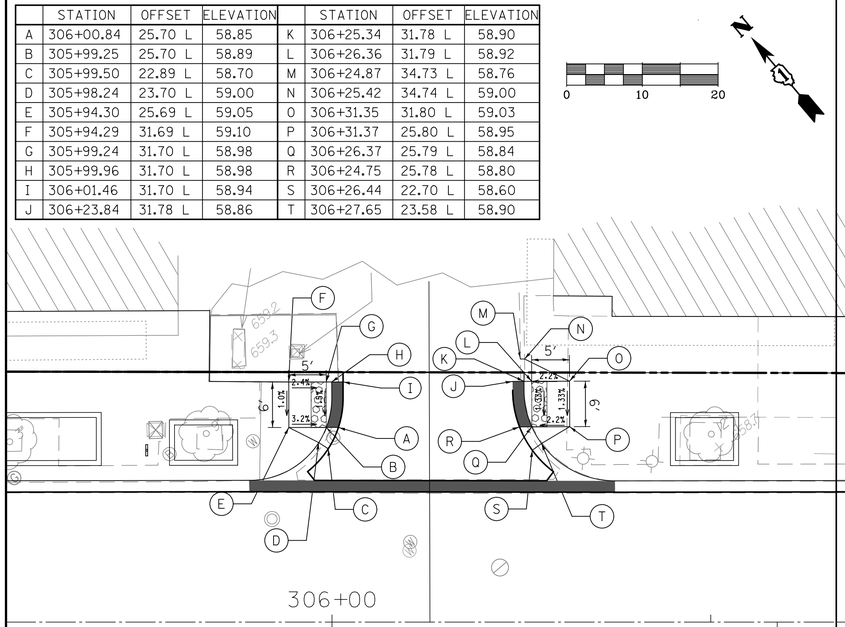
	STATION	OFFSET	ELEVATION		STATION	OFFSET	ELEVATION
A	303+73.48	20.41 L	59.96	K	303+68.93	28.86 L	60.12
B	303+71.95	20.41 L	60.00	L	303+69.65	25.41 L	60.08
C	303+69.66	20.41 L	60.04	M	303+71.71	25.41 L	60.04
D	303+63.78	16.66 L	59.90	N	303+91.74	26.43 L	59.85
E	303+63.78	18.16 L	60.40	O	303+93.79	26.43 L	59.89
F	303+63.66	20.41 L	60.48	P	303+99.43	26.43 L	59.87
G	303+59.66	20.40 L	60.53	Q	304+04.43	26.43 L	60.02
H	303+59.65	25.40 L	60.60	R	303+04.42	21.42 L	59.95
I	303+63.65	25.41 L	60.55	S	303+99.42	21.43 L	59.82
J	303+67.86	27.81 L	60.55	T	303+98.48	20.26 L	59.78



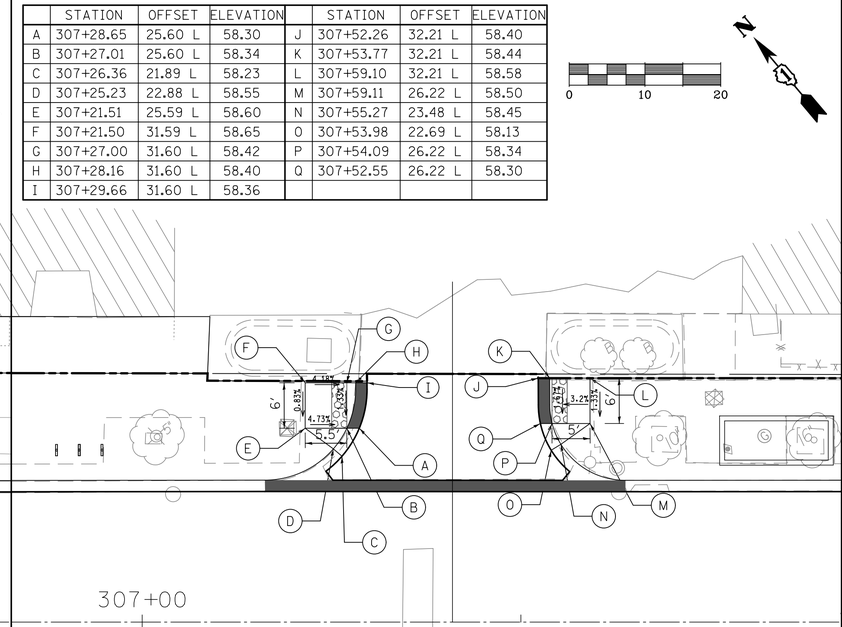
	STATION	OFFSET	ELEVATION
A	305+15.31	17.09 L	59.00
B	305+15.30	18.59 L	59.04
C	305+12.31	17.09 L	59.02
D	305+12.30	18.59 L	59.35
E	305+15.29	24.59 L	59.40
F	305+20.29	24.61 L	59.35
G	305+23.30	18.61 L	59.30
H	305+23.31	17.11 L	58.90
I	305+20.30	18.61 L	58.99
J	305+20.31	17.10 L	58.95
K	305+15.28	30.04 L	59.47
L	305+20.28	30.05 L	59.42



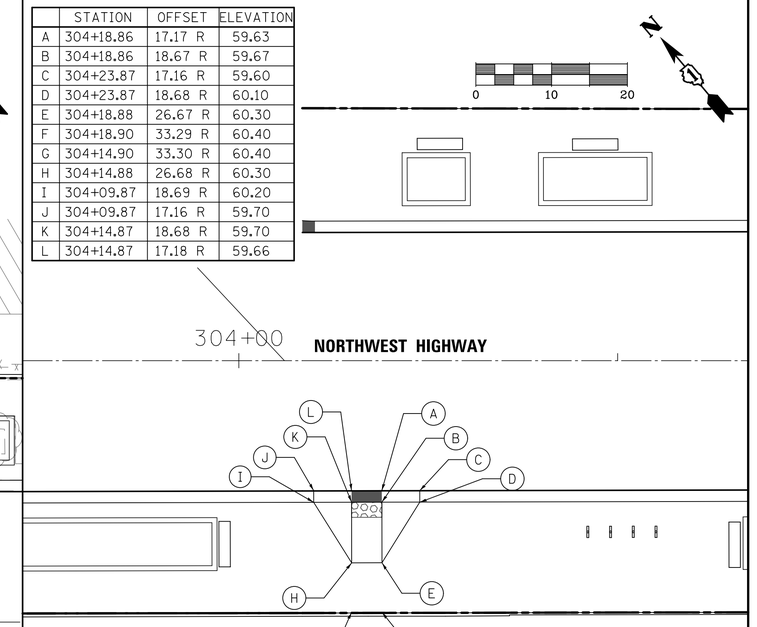
	STATION	OFFSET	ELEVATION		STATION	OFFSET	ELEVATION
A	306+00.84	25.70 L	58.85	K	306+25.34	31.78 L	58.90
B	305+99.25	25.70 L	58.89	L	306+26.36	31.79 L	58.92
C	305+99.50	22.89 L	58.70	M	306+24.87	34.73 L	58.76
D	305+98.24	23.70 L	59.00	N	306+25.42	34.74 L	59.00
E	305+94.30	25.69 L	59.05	O	306+31.35	31.80 L	59.03
F	305+94.29	31.69 L	59.10	P	306+31.37	25.80 L	58.95
G	305+99.24	31.70 L	58.98	Q	306+26.37	25.79 L	58.84
H	305+99.96	31.70 L	58.98	R	306+24.75	25.78 L	58.80
I	306+01.46	31.70 L	58.94	S	306+26.44	22.70 L	58.60
J	306+23.84	31.78 L	58.86	T	306+27.65	23.58 L	58.90



	STATION	OFFSET	ELEVATION		STATION	OFFSET	ELEVATION
A	307+28.65	25.60 L	58.30	J	307+52.26	32.21 L	58.40
B	307+27.01	25.60 L	58.34	K	307+53.77	32.21 L	58.44
C	307+26.36	21.89 L	58.23	L	307+59.10	32.21 L	58.58
D	307+25.23	22.88 L	58.55	M	307+59.11	26.22 L	58.50
E	307+21.51	25.59 L	58.60	N	307+55.27	23.48 L	58.45
F	307+21.50	31.59 L	58.65	O	307+53.98	22.69 L	58.13
G	307+27.00	31.60 L	58.42	P	307+54.09	26.22 L	58.34
H	307+28.16	31.60 L	58.40	Q	307+52.55	26.22 L	58.30
I	307+29.66	31.60 L	58.36				



	STATION	OFFSET	ELEVATION
A	304+18.86	17.17 R	59.63
B	304+18.86	18.67 R	59.67
C	304+23.87	17.16 R	59.60
D	304+23.87	18.68 R	60.10
E	304+18.88	26.67 R	60.30
F	304+18.90	33.29 R	60.40
G	304+14.90	33.30 R	60.40
H	304+14.88	26.68 R	60.30
I	304+09.87	18.69 R	60.20
J	304+09.87	17.16 R	59.70
K	304+14.87	18.68 R	59.70
L	304+14.87	17.18 R	59.66



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	PLOT DATE = 11/13/2017	DATE -	REVISED -

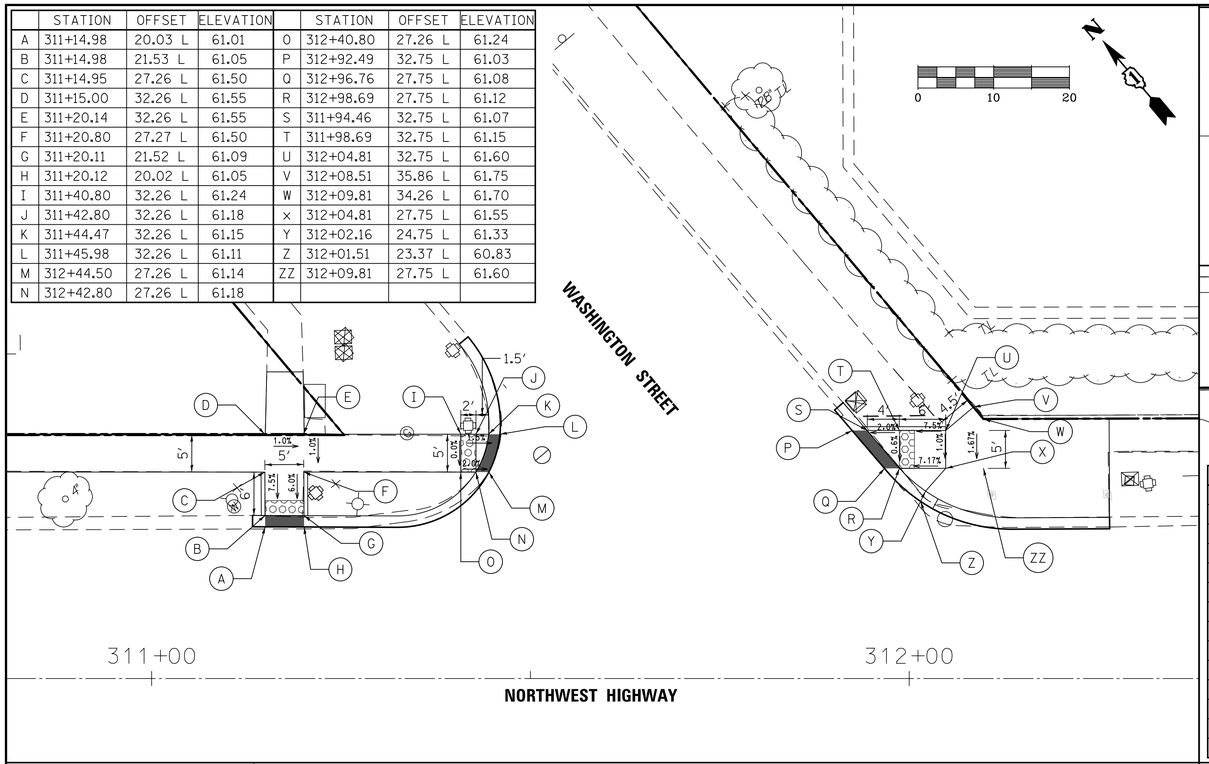
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

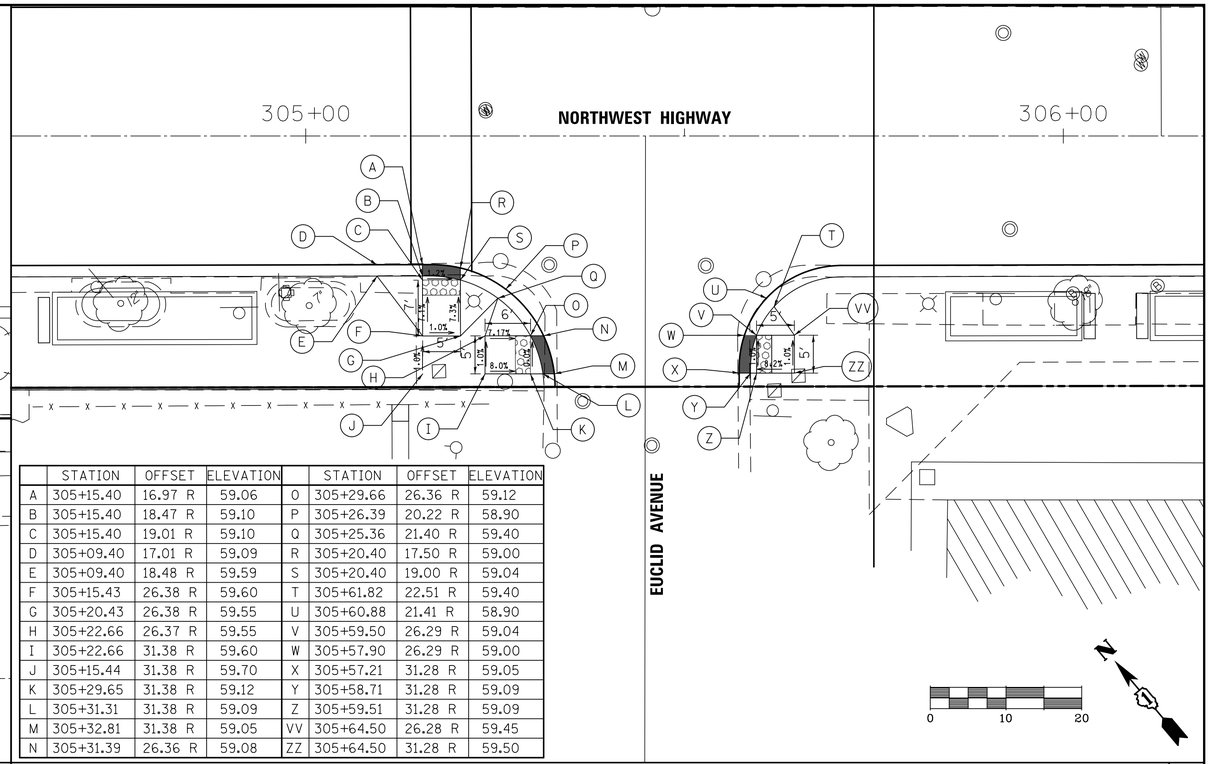
CURB RAMPS FOR SIDEWALK DETAILS – 1

SCALE: 1:10 | SHEET 1 OF 2 SHEETS | STA. | TO STA.

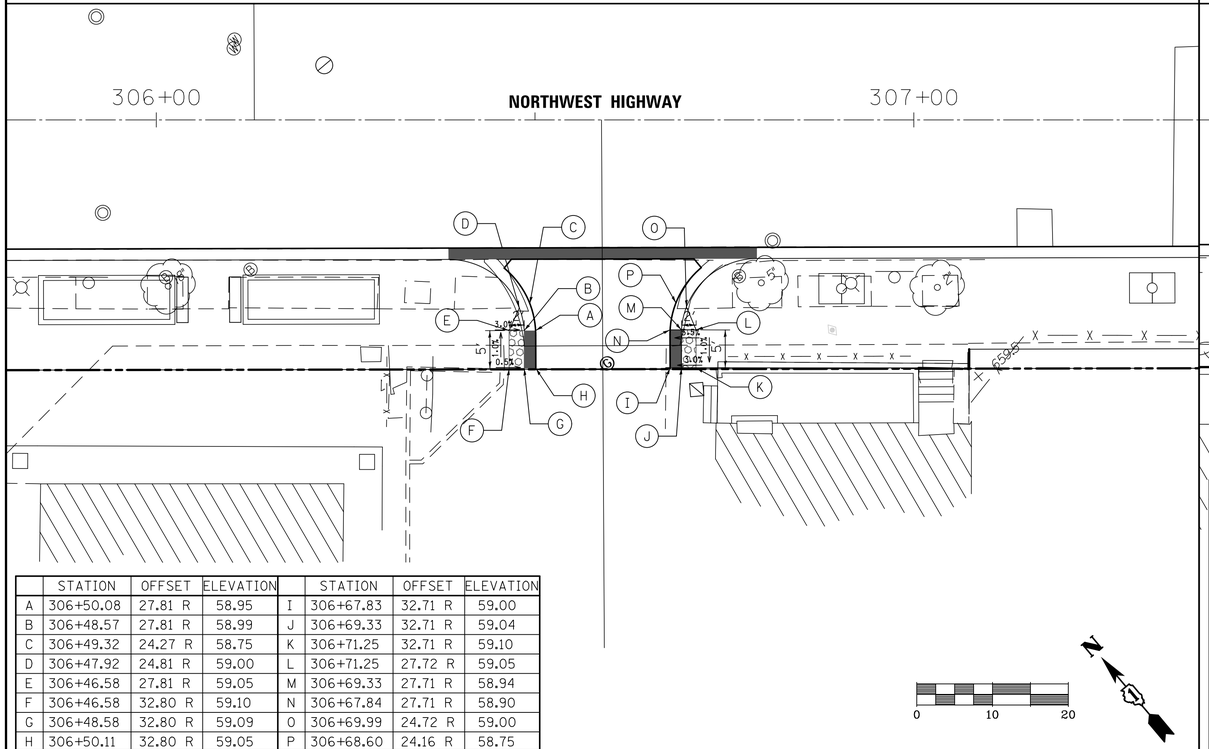
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3524	10-00149-01-LS	COOK	69	30
		CONTRACT NO. 61E27		
	ILLINOIS FED. AID PROJECT			

	STATION	OFFSET	ELEVATION		STATION	OFFSET	ELEVATION
A	311+14.98	20.03 L	61.01	O	312+40.80	27.26 L	61.24
B	311+14.98	21.53 L	61.05	P	312+92.49	32.75 L	61.03
C	311+14.95	27.26 L	61.50	Q	312+96.76	27.75 L	61.08
D	311+15.00	32.26 L	61.55	R	312+98.69	27.75 L	61.12
E	311+20.14	32.26 L	61.55	S	311+94.46	32.75 L	61.07
F	311+20.80	27.27 L	61.50	T	311+98.69	32.75 L	61.15
G	311+20.11	21.52 L	61.09	U	312+04.81	32.75 L	61.60
H	311+20.12	20.02 L	61.05	V	312+08.51	35.86 L	61.75
I	311+40.80	32.26 L	61.24	W	312+09.81	34.26 L	61.70
J	311+42.80	32.26 L	61.18	x	312+04.81	27.75 L	61.55
K	311+44.47	32.26 L	61.15	Y	312+02.16	24.75 L	61.33
L	311+45.98	32.26 L	61.11	Z	312+01.51	23.37 L	60.83
M	312+44.50	27.26 L	61.14	ZZ	312+09.81	27.75 L	61.60
N	312+42.80	27.26 L	61.18				

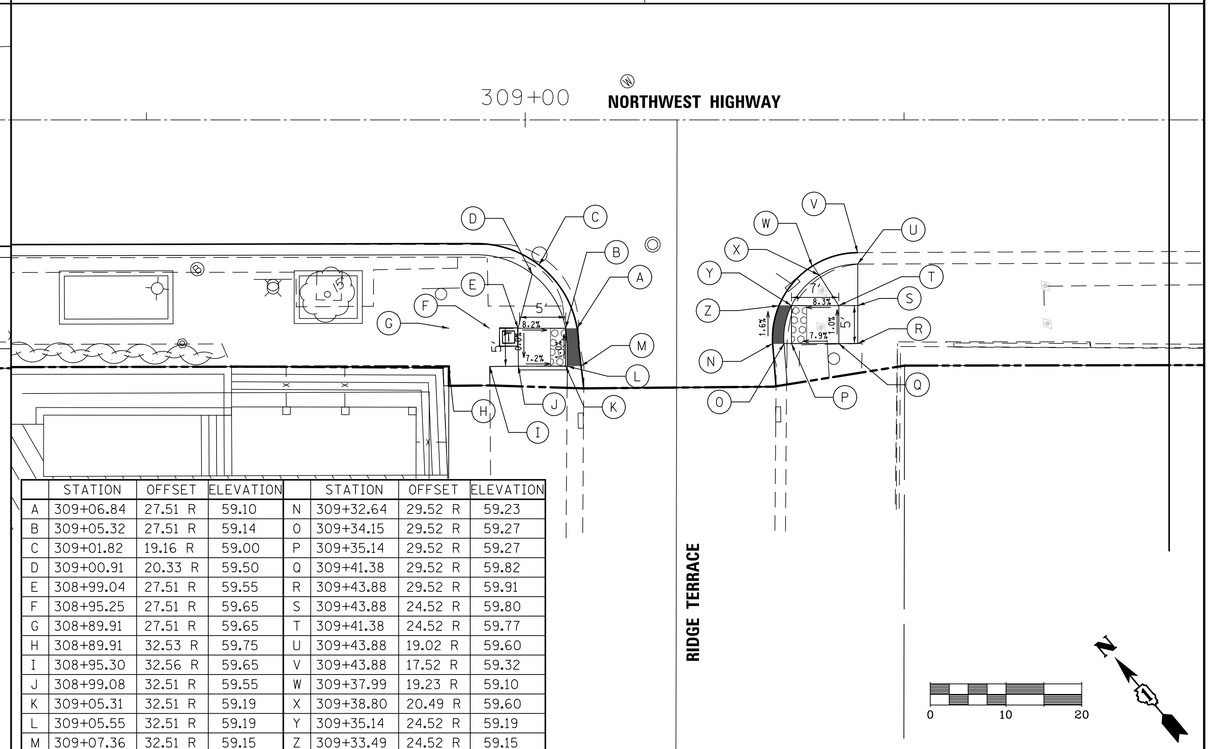




	STATION	OFFSET	ELEVATION		STATION	OFFSET	ELEVATION
A	305+15.40	16.97 R	59.06	O	305+29.66	26.36 R	59.12
B	305+15.40	18.47 R	59.10	P	305+26.39	20.22 R	58.90
C	305+15.40	19.01 R	59.10	Q	305+25.36	21.40 R	59.40
D	305+09.40	17.01 R	59.09	R	305+20.40	17.50 R	59.00
E	305+09.40	18.48 R	59.59	S	305+20.40	19.00 R	59.04
F	305+15.43	26.38 R	59.60	T	305+61.82	22.51 R	59.40
G	305+20.43	26.38 R	59.55	U	305+60.88	21.41 R	58.90
H	305+22.66	26.37 R	59.55	V	305+59.50	26.29 R	59.04
I	305+22.66	31.38 R	59.60	W	305+57.90	26.29 R	59.00
J	305+15.44	31.38 R	59.70	X	305+57.21	31.28 R	59.05
K	305+29.65	31.38 R	59.12	Y	305+58.71	31.28 R	59.09
L	305+31.31	31.38 R	59.09	Z	305+59.51	31.28 R	59.09
M	305+32.81	31.38 R	59.05	VV	305+64.50	26.28 R	59.45
N	305+31.39	26.36 R	59.08	ZZ	305+64.50	31.28 R	59.50



	STATION	OFFSET	ELEVATION		STATION	OFFSET	ELEVATION
A	306+50.08	27.81 R	58.95	I	306+67.83	32.71 R	59.00
B	306+48.57	27.81 R	58.99	J	306+69.33	32.71 R	59.04
C	306+49.32	24.27 R	58.75	K	306+71.25	32.71 R	59.10
D	306+47.92	24.81 R	59.00	L	306+71.25	27.72 R	59.05
E	306+46.58	27.81 R	59.05	M	306+69.33	27.71 R	58.94
F	306+46.58	32.80 R	59.10	N	306+67.84	27.71 R	58.90
G	306+48.58	32.80 R	59.09	O	306+69.99	24.72 R	59.00
H	306+50.11	32.80 R	59.05	P	306+68.60	24.16 R	58.75



	STATION	OFFSET	ELEVATION		STATION	OFFSET	ELEVATION
A	309+06.84	27.51 R	59.10	N	309+32.64	29.52 R	59.23
B	309+05.32	27.51 R	59.14	O	309+34.15	29.52 R	59.27
C	309+01.82	19.16 R	59.00	P	309+35.14	29.52 R	59.27
D	309+00.91	20.33 R	59.50	Q	309+41.38	29.52 R	59.82
E	308+99.04	27.51 R	59.55	R	309+43.88	29.52 R	59.91
F	308+95.25	27.51 R	59.65	S	309+43.88	24.52 R	59.80
G	308+89.91	27.51 R	59.65	T	309+41.38	24.52 R	59.77
H	308+89.91	32.53 R	59.75	U	309+43.88	19.02 R	59.60
I	308+95.30	32.56 R	59.65	V	309+43.88	17.52 R	59.32
J	308+99.08	32.51 R	59.55	W	309+37.99	19.23 R	59.10
K	309+05.31	32.51 R	59.19	X	309+38.80	20.49 R	59.60
L	309+05.55	32.51 R	59.19	Y	309+35.14	24.52 R	59.19
M	309+07.36	32.51 R	59.15	Z	309+33.49	24.52 R	59.15

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		DRAWN -	REVISED -
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	PLOT DATE = 11/13/2017	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CURB RAMPS FOR SIDEWALK DETAILS – 2

SCALE: 1:10 | SHEET 2 OF 2 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3524	10-00149-01-LS	COOK	69	31
		CONTRACT NO. 61E27		
	ILLINOIS FED. AID PROJECT			

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General Notes

1. LANDSCAPE CONTRACTOR SHALL VERIFY ALL UTILITY LOCATIONS (EXISTING AND PROPOSED) ALONG WITH EXISTING CONDITIONS AND GRADES (EXISTING AND PROPOSED), AND NOTE ANY DISCREPANCIES TO CITY AND ENGINEER IMMEDIATELY, BEFORE PROCEEDING WITH ANY WORK.

2. BASE INFORMATION FOR THESE PLANS WAS TAKEN FROM ENGINEER'S SITE SURVEY, GEOMETRIC, AND GRADING PLANS. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND LOCATIONS OF EXISTING AND PROPOSED FEATURES, AND FAMILIARIZE THEMSELVES WITH ANY OBSTACLES ENCUMBERING THE INSTALLATION OF THIS PROJECT.

3. ANY EXISTING TREE SURVEYS OR LOCATIONS FOR THESE PLANS WERE PREPARED BY THE ENGINEER OR A CERTIFIED ARBORIST. SEE PLANS FOR INFORMATION.

4. ALL SOIL/UNDERGROUND CONDITIONS SHALL BE REFERRED TO SOIL TESTING REPORTS PREPARED BY THE CITY'S CONSULTANT.

General Planting Notes

GENERAL CONDITIONS:

1. CONTRACTOR SHALL FAMILIARIZE THEMSELVES WITH ALL LANDSCAPE SPECIFICATIONS PRIOR TO COMMENCEMENT OF WORK. ANY QUESTIONS OR CONCERNS SHALL BE DIRECTED TO THE ENGINEER IN WRITING PRIOR TO LANDSCAPE WORK COMMENCEMENT.

2. ALL PROJECT LIMITS SHALL BE FENCED WITH TEMPORARY PLASTIC FENCING AT 48" HEIGHT, STAKED AT 4' ON CENTER, AND CLEARLY SIGNED FOR CONSTRUCTION ACTIVITIES. ALL EXISTING, PROTECTED VEGETATION SHALL BE FENCED AT A MINIMUM OF THE PLANTS DRIP LINE OR AS APPROVED BY THE ENGINEER.

3. THE LANDSCAPE CONTRACTOR SHALL KEEP ALL AREAS CLEAN AND ORDERLY AT ALL TIMES.

4. THE LANDSCAPE CONTRACTOR SHALL KEEP ALL ROADWAYS AND WALKWAYS CLEAR OF MUD AND DEBRIS THAT RESULT FROM LANDSCAPE OPERATIONS.

SOIL & PLANTING MIX:

5. ALL SOIL PLANTING MIX FOR BACKFILL OR BEDS, WHETHER FROM ON-SITE STOCKPILE OR NEW IMPORTED SOIL, SHALL BE TESTED FOR APPROVED SPECIFIED PH LEVELS AND NUTRIENT CONTENT.

6. TOPSOIL SHALL BE CLEAN FROM AN ACCEPTABLE SOURCE. TOPSOIL SHALL BE FREE OF DEBRIS, STONES, AND OTHER MATERIAL NOT MORE THAN ONE INCH (1") DIAMETER IN SIZE.

7. IT IS ANTICIPATED THAT ALL PLANTING AREAS, INCLUDING LAWN, SHALL BE THOROUGHLY TILLED TO A MINIMUM OF 12-18" DEPTH. ALL ON-SITE TOPSOIL SHALL BE AMENDED AND REUSED AS APPROVED, OR REMOVED OFF-SITE AND DISPOSED OF PROPERLY. NEW PLANTING SOIL MIX SHALL BE INSTALLED AND PROPERLY COMPACTED TO THE FOLLOWING DEPTHS NOTED IN THE SPECIAL PROVISIONS AND LANDSCAPE PLANTING DETAILS.

8. CLEAN TOPSOIL MIX SHOULD HAVE A TESTED AND APPROVED PH OF 6.0 -- 7.0.

9. ALL EXCESS MATERIALS AND SPOILS RESULTING FROM THE LANDSCAPE WORK SHALL BE LEGALLY DISPOSED OF OFF-SITE BY THE LANDSCAPE CONTRACTOR.

PLANTER SOIL MIX

11. FOR ALL GRADE LEVEL PLANTERS. TOPSOIL/PLANTER MIX SHALL FOLLOW THE SAME SOIL PLANTING MIX AS NOTED ABOVE WITH THE EXCEPTION THAT AS PER THESE DETAILS, DIMENSIONS AND SPECIFICATIONS. STRUCTURAL SOIL MIX SHALL BE INSTALLED IN THE DEFINED HARDSCAPE PLANTING LIMITS AS NOTED IN THESE DRAWINGS AND DETAILS.

12. THE SPECIFIED STRUCTURAL SOIL SHALL BE CU-STRUCTURAL SOIL AS DISTRIBUTED BY MIDWEST TRADING HORTICULTURAL SUPPLIES, INC. P.O. BOX 1005 ST. CHARLES, IL, 60174, (847) 742-1840

PLANTING STANDARDS:

13. ALL PLANT MATERIAL SHALL BE TOP-QUALITY GRADE, FREE OF DEFECTS, AND MEET ACCEPTED HORTICULTURAL STANDARDS ESTABLISHED BY THE AMERICAN NURSERYMEN'S ASSOCIATION (AAN) AND AS DEEMED APPROPRIATE BY THE ENGINEER. THE ENGINEER SHALL HAVE THE RIGHT TO REJECT ANY, AND ALL, PLANT MATERIAL DELIVERED TO THE SITE THAT DOES NOT MEET ACCEPTABLE STANDARDS.

14. ALL SOD SHALL BE SALT TOLERANT.

15. SIZES SHOWN ON PLANT SCHEDULE ARE MINIMUM ACCEPTABLE SIZES.

16. ALL PLANTS TO BE BALLED-IN-BURLAP OR CONTAINER-GROWN AS SPECIFIED IN PLANT SCHEDULE. ALL PLASTIC ROOT WRAPPING MATERIAL AND METAL WIRE BASKETS SHALL BE REMOVED.

17. ALL NEW AND TRANSPLANTED PLANTS TO BE SPRAYED WITH AN ANTIDESSECANT WITHIN TWENTY-FOUR (24) HOURS AFTER PLANTING. ANTITRANSPIRANT SHALL BE "WILTPRUF".

18. THE ENGINEER SHALL FIELD VERIFY AND APPROVE ALL FINAL STAKED TREE, SHRUB, AND PERENNIAL BED LOCATIONS PRIOR TO INSTALLATION.

19. THE LANDSCAPE CONTRACTOR SHALL REPAIR TO ITS ORIGINAL CONDITION ANY PLANT MATERIAL OR LAWN WHICH BECOMES DAMAGED AS A RESULT OF LANDSCAPE OPERATIONS.

20. ALL PERENNIALS SHALL BE PLANTED AT LEAST TWO (2) FEET FROM THE TREE TRUNKS PLANTED WITHIN PLANTING AREAS.

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		DRAWN —	REVISED —
	PLOT SCALE = $SCALE$	CHECKED —	REVISED —
	PLOT DATE = $DATE$	DATE —	REVISED —

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLANTING NOTES

SCALE: AS SHOWN | SHEET OF SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3524	10-00149-01-LS	COOK	69	32
		CONTRACT NO.61E27		
	ILLINOIS	FED. AID PROJECT		

TOUHY AVENUE

NORTHWEST HIGHWAY

PROSPECT AVENUE

EUCLID AVENUE

RIDGE TERRACE

LIMITS OF CONSTRUCTION

TYP. DEPRESSED CURB (SEE ENGINEERING PLAN)

TYP. CONCRETE PAVER FIELD, RANDOM THREE SIZE STONE PATTERN WITH STANDARD STONE CONTINUOUS SOLDIER COURSE (45 DEGREE PATTERN) 1/53

EXISTING COBRA HEAD SEE ELECTRICAL PLANS

TYP. TRASH RECEPTACLE 1/55

TYP. GRANITE PAVER INLAY 4 TILES AT 18" X 18" EACH 4/53

TYP. CAST MOVEABLE PLANTER 3/55

TYP. COBRA HEAD LIGHT (SEE ELECTRICAL PLAN FOR SPACING)

TYP. TINTED SCORED CONCRETE WALK 2/53

TYP. TREE GRATE PLANTING 2/52

TYP. CONCRETE PAVER FIELD, RANDOM THREE SIZE STONE PATTERN WITH STANDARD STONE CONTINUOUS SOLDIER COURSE (45 DEGREE PATTERN) 1/53

TYP. TACTILE PAVING 2/54

TYP. PEDESTRIAN LIGHT (SEE ELECTRICAL PLAN FOR SPACING)

TYP. GRANITE PAVER INLAY 4 TILES AT 18" X 18" EACH 3/53

TYP. RAISED CONCRETE CURB PLANTER WITH DECORATIVE METAL RAILING 4/51

TYP. DECORATIVE METAL BENCH 6' LENGTH 6/55

MATCHLINE: SEE HARDSCAPE PLAN THIS SHEET

SCALE 1" = 20'

0 20 40

TYPICAL CROSSWALK SECTION DETAIL 5/54

Typical Tree Grate Planting Detail

BOP Sta = 107+00.00

BOP Sta = 300+00.00

EOP Sta = 105+97.32

EOP Sta = 15+83.23

EOP Sta = 15+71.15

3'-0" TYP.

5'-8"

8'-6"

5'-3"

6'-0"

7'-0"

3'-0" O.C. TYP.

TYP. LIGHT BASE PAVING PLAN 4/54

TYP. TRIPLE SOLDIER COURSE BAND (3" X 8") CONCRETE PAVERS (2'-0" WIDTH) 1/54

TYP. TRASH RECEPTACLE 1/55

TYP. BIKE RACK 4/55

TYP. CAST MOVEABLE PLANTER 3/55

TYP. CONCRETE WALK (SEE CIVIL DRAWINGS)

TYP. COBRA HEAD LIGHT (SEE ELECTRICAL PLAN FOR SPACING)

MATCHLINE: SEE HARDSCAPE PLAN SHEET 3

LEGEND

X — DETAIL NUMBER

XX — PAGE NUMBER

SCALE 1" = 20'

0 20 40

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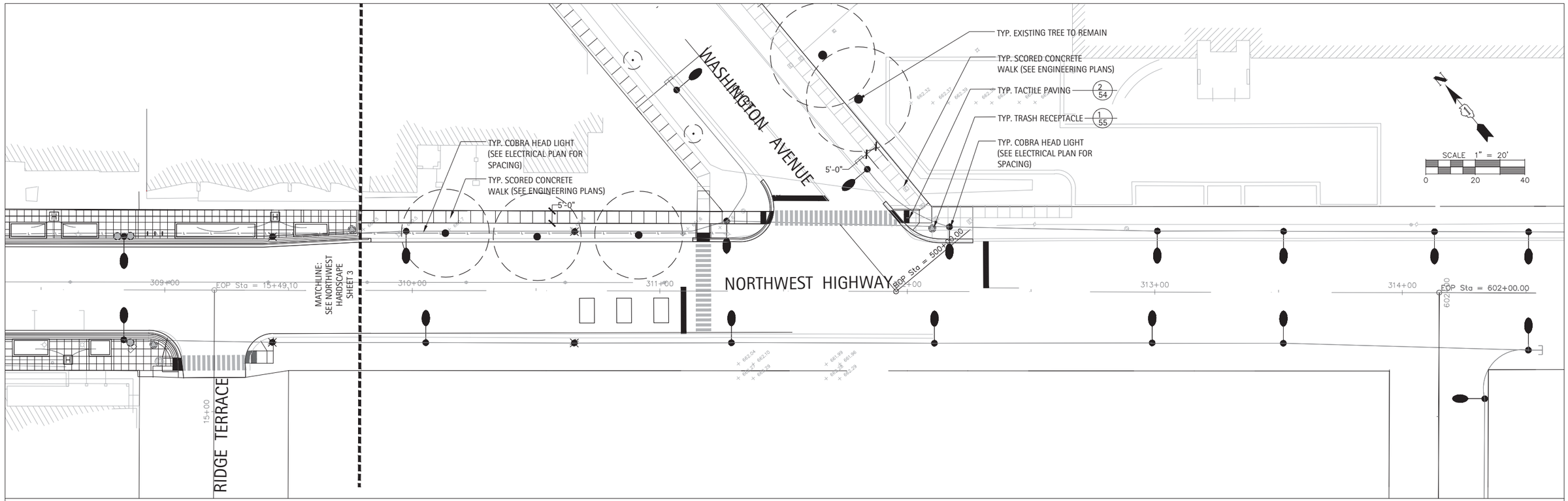
		DRAWN —	REVISED —
	PLOT SCALE = $SCALE$	CHECKED —	REVISED —
	PLOT DATE = $DATE$	DATE —	REVISED —

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HARDSCAPE PLAN: NORTHWEST HIGHWAY

SCALE: AS SHOWN | SHEET OF SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3524	10-00149-01-LS	COOK	69	33
		CONTRACT NO.61E27		
		ILLINOIS FED. AID PROJECT		



LEGEND

X
XX

DETAIL NUMBER

PAGE NUMBER

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		DRAWN —	REVISED —						3524	10-00149-01-LS	COOK	69	34
	PLOT SCALE = $SCALE$	CHECKED —	REVISED —								CONTRACT NO.61E27		
	PLOT DATE = $DATE$	DATE —	REVISED —		SCALE: AS SHOWN	SHEET OF SHEETS	STA.	TO STA.			ILLINOIS FED. AID PROJECT		

TOUHY AVENUE
401+00

LIMITS OF CONSTRUCTION

SCALE 1" = 20'
0 20 40

BOP Sta = 400+00.00

BOP Sta = 107+00.00

BOP Sta = 300+00.00

EOP Sta = 105+97.32

NORTHWEST HIGHWAY

TA 2.5
TA 2.5
TA 2.5
6'-6"
AF 2.5
AF 2.5
AF 2.5
UAA 2.5
UAA 2.5
9 nm
5 cas
9 nm
12 lsp
AF 2.5
12 BM
10 BM
CAR 2.5
12 BM
AF 2.5
12 lsp
3 pat
CAR 2.5
3 pat
16 BM
3 pat
UAA 2.5
3 pat
16 BM
20 lsp
UAA 2.5
16 BM
AF 2.5
10 BM
3 pat
AF 2.5
3 pat
16 BM

CO 2.5
5'-6"
14 lsp
CO 2.5
12 BM
14 lsp
CO 2.5
12 BM
18 BM
7 pat
UAA 2.5
7 pat

8 lsp
TA 2.5
10 BM
6 RK
TA 2.5
8 lsp
10 BM

SODDING,
SALT TOLERANT

PROSPECT AVENUE

LIMITS OF CONSTRUCTION

EUCLID AVENUE

MATCHLINE:
SEE LANDSCAPE
PLAN THIS SHEET

8 BM
AF 2.5
18 BM
4 pat
CO 2.5
4 pat
18 BM
4 pat
CO 2.5
4 pat
GT 2.5
10 BM
6'-0"
GT 2.5
10 BM
CAR 2.5
4'-6"
CAR 2.5
AF 2.5
20 lsp
CO 2.5
16 BM
4 cas
CO 2.5
16 BM
AF 2.5
12 BM
20 lsp
CAR 2.5
16 BM
3 pat
16 BM
3 pat
4 cas
CAR 2.5
16 BM
TA 2.5
10 BM
6'-0"
16 lsp
GT 2.5
14 BM
16 lsp
GT 2.5
14 BM
6 RK
4 BM
GT 2.5
20 lsp
4 BM

WASHINGTON
STREET

NORTHWEST HIGHWAY

SODDING,
SALT TOLERANT

MATCHLINE:
SEE LANDSCAPE PLAN
SHEET 5

RIDGE TERRACE

MATCHLINE:
SEE LANDSCAPE
PLAN THIS SHEET

SCALE 1" = 20'
0 20 40

NOTE: SEE SHEET 37 FOR OVERALL PLANT LIST AND DETAILS

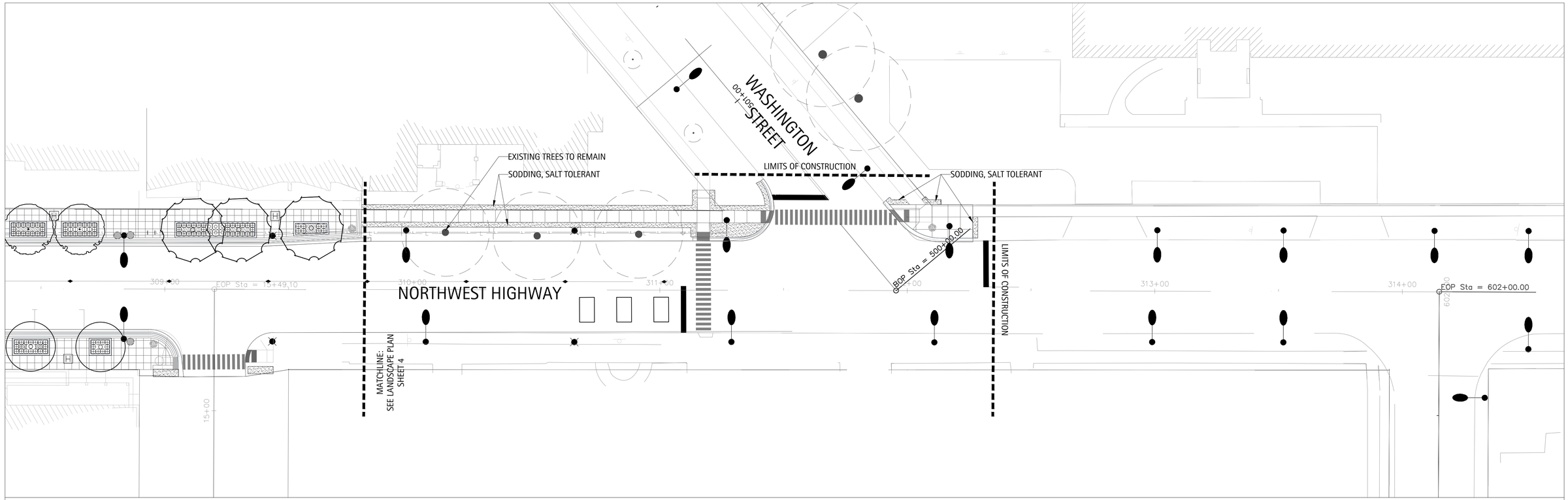
FILE NAME = $FILES$	USER NAME = $USER$	DESIGNED —	REVISED —
		DRAWN —	REVISED —
	PLOT SCALE = $SCALE$	CHECKED —	REVISED —
	PLOT DATE = $DATE$	DATE —	REVISED —

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LANDSCAPE PLAN: NORTHWEST HIGHWAY

SCALE: AS SHOWN | SHEET OF SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3524	10-00149-01-LS	COOK	69	35
		CONTRACT NO.61E27		
	ILLINOIS FED. AID PROJECT			



NOTE: SEE SHEET 37 FOR OVERALL PLANT LIST AND DETAILS

SCALE 1" = 20'

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FILE NAME = $FILES$	USER NAME = $USER$	DESIGNED —	REVISED —
		DRAWN —	REVISED —
	PLOT SCALE = $SCALE$	CHECKED —	REVISED —
	PLOT DATE = $DATE$	DATE —	REVISED —

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

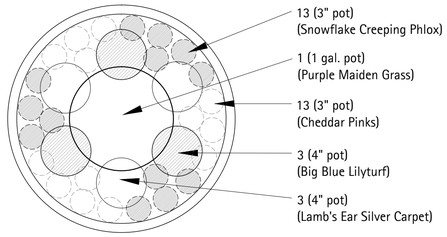
LANDSCAPE PLAN: NORTHWEST HIGHWAY

SCALE: AS SHOWN | SHEET OF SHEETS | STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3524	10-00149-01-LS	COOK	69	36
		CONTRACT NO.61E27		
	ILLINOIS FED. AID PROJECT			

Plant Schedule

SYMBOL		BOTANIC NAME	COMMON NAME	SIZE	REMARKS
DECIDUOUS TREES					
AF 3	10	Acer x freemanii 'Autumn Blaze'	Freemanii Maple	2.5" caliper	B&B
CAR 3	6	Carpinus caroliniana	American Hornbeam	2.5" caliper	B&B/Single Stem
CO 3	7	Celtis occidentalis	Common Hackberry	2.5" caliper	B&B
GT 3	5	Gleditsia triacanthos inermis 'Skyline'	Skyline Thornless Honeylocust	2.5" caliper	B&B
TA 3	7	Tilia americana	American Linden	2.5" caliper	B&B
UAA 3	5	Ulmus 'Morton'	Accolade Elm	2.5" caliper	B&B
DECIDUOUS SHRUBS					
RK	12	Rosa 'Knockout'	Knockout Rose	5 gal.	#5 Container
EVERGREEN SHRUBS					
BM 18	372	Buxus microphyla 'Wintergreen'	Wintergreen Boxwood	18"-24" ht.	B&B
PERENNIALS, ORNAMENTAL GRASSES					
cas	13	Calamagrostis x acutiflora 'Karl Foerster'	Karl Foerster Feather Reed Grass	1 gal.	CG/24" o.c. spacing
msp	42	Miscanthus sinensis 'Purpurescens'	Purple Maiden Grass	1 gal.	CG/24" o.c. spacing
nm	18	Nepeta x faassenii 'Walkers Low'	Walkers Low Catmint	1 gal.	CG/24" o.c. spacing
pat	54	Perovskia atriplicifolia	Russian Sage	1 gal.	CG/24" o.c. spacing
sbz	126	Stachyz byzantina 'Silver Carpet'	Lambsear Silver Carpet	4" pot	CG/18" o.c. spacing
Total 1 Gallon Pot	90				
TOTAL 1 GAL. POT	**127**	**POTS= 1.27 UNIT (PAY ITEM K0012990)**			
Total 4" Pot					
TOTAL 1 4" POT	**126**	**POTS= 1.26 UNIT (PAY ITEM K0012975)**			
GROUNDCOVERS					
dg	546	Dianthus gratianopolitanus 'Tiny Rubies'	Cheddar Pinks	3" pot	CG/3" o.c. spacing
lbb	126	Liriope muscari 'Big Blue'	Big Blue Lilyturf	4" pot	CG/3" o.c. spacing
lsp	180	Liriope spicata	Lilyturf	3" pot	CG/12" o.c. spacing
ps	546	Phlox subulata 'Snowflake'	Snowflake Creeping Phlox	3" pot	CG/3" o.c. spacing
Total 4" Pot					
TOTAL 1 4" POT	**126**	**POTS= 1.26 UNIT (PAY ITEM K0012975)**			
Total 3" Pot					
TOTAL 1 3" POT	**1272**	**POTS= 12.72 UNIT (PAY ITEM K0012974)**			
SODDING					
Sodding	80 sqyd	Sodding, Salt Tolerant			

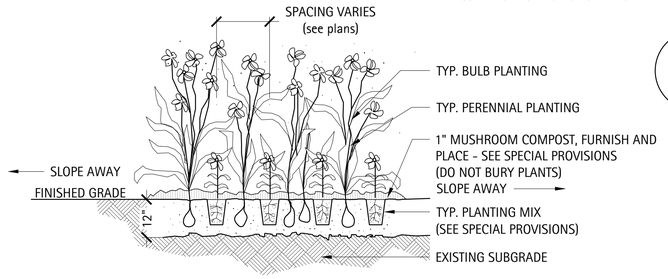


3 Typical Perennial Planting Detail In Moveable Planter

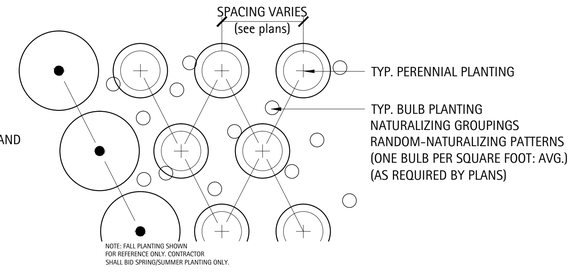
Scale: NTS

PERENNIAL/GROUNDCOVER PLANTING NOTES:
FINAL BALL ELEVATION AND PLANTER BED GRADING AS DIRECTED BY LANDSCAPE ARCHITECT. WHEN SOIL CONDITIONS ARE ENCOUNTERED WITH POOR DRAINAGE, LANDSCAPE CONTRACTOR SHALL NOTIFY LANDSCAPE ARCHITECT. LANDSCAPE CONTRACTOR SHALL ELABORATE AND PREPARE RECOMMENDATIONS FOR SOLUTION TO PROBLEM.

PERENNIAL PLANTING LAYOUTS TO BE APPROVED IN THE FIELD BY LANDSCAPE ARCHITECT PRIOR TO INSTALLATION.



ELEVATION

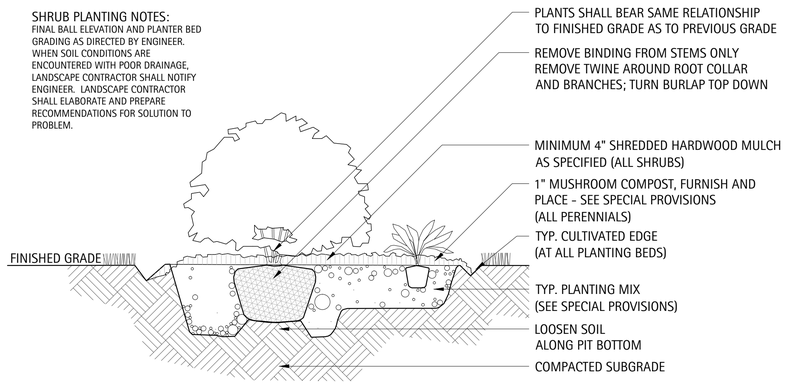


PLAN

2 Typical Groundcover & Perennial Planting Detail

Scale: NTS

SHRUB PLANTING NOTES:
FINAL BALL ELEVATION AND PLANTER BED GRADING AS DIRECTED BY ENGINEER. WHEN SOIL CONDITIONS ARE ENCOUNTERED WITH POOR DRAINAGE, LANDSCAPE CONTRACTOR SHALL NOTIFY ENGINEER. LANDSCAPE CONTRACTOR SHALL ELABORATE AND PREPARE RECOMMENDATIONS FOR SOLUTION TO PROBLEM.



4 Typical Shrub Planting Detail In Open Lawn or Raised Planter

Scale: NTS

FILE NAME = $FILES$	USER NAME = $USER$	DESIGNED —	REVISED —
		DRAWN —	REVISED —
	PLOT SCALE = $SCALE$	CHECKED —	REVISED —
	PLOT DATE = $DATE$	DATE —	REVISED —

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLANTING DETAILS

SCALE: AS SHOWN | SHEET OF SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3524	10-00149-01-LS	COOK	69	37
		CONTRACT NO.61E27		
		ILLINOIS FED. AID PROJECT		

LIGHTING GENERAL NOTES

1. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING A PERMIT FROM THE CITY OF PARK RIDGE BEFORE THE START OF WORK. ANY COST FOR PERMIT SHALL BE INCLUDED IN THE CONTRACT.

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 INCLUDED IN THE COST OF THE CONTRACT, AND NO ADDITIONAL COMPENSATION SHALL BE AWARDED.

5. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR JOB SITE SAFETY AS WELL AS SUPERVISION/ DIRECTION AND MEANS/METHODS OF CONSTRUCTION.

6. 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.

7. NO MATERIALS SHALL BE DELIVERED TO THE JOB SITE UNTIL ALL PERTINENT EQUIPMENT SUBMITTALS HAVE BEEN REVIEWED BY THE ENGINEER.

8. 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.

9. THE INSTALLATION OF BURIED WARNING TAPE, AS PART OF TRENCH FOR UNDERGROUND CONDUITS, SHALL BE

10. 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.

11. LUMINAIRES SHALL BE LEVEL & HAVE A TIGHT FIT ON MAST ARMS TO THE ENGINEER'S SATISFACTION. THIS WORK SHALL INCLUDE FIELD ADJUSTING OF THE LUMINAIRE WHICH WILL BE INCLUDED IN THE COST OF THE CONTRACT.

12. NO POLES SHALL BE ERECTED UNTIL THE RESPECTIVE FOUNDATIONS HAVE CURED, (IF APPLICABLE) AND HAVE BEEN REVIEWED BY THE ENGINEER.

13. TO MAINTAIN THE STRUCTURAL INTEGRITY OF LIGHT POLES WITH MAST ARMS, THEY SHALL NOT BE ERECTED AND LEFT TO STAND WITHOUT LUMINAIRES.

14. ALL POLE HANDHOLES SHALL FACE AWAY FROM TRAFFIC.

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. THE EXISTING LIGHTING SYSTEM SHALL BE LEFT IN PLACE TO LIGHT ROADWAY THROUGHOUT CONSTRUCTION. AFTER THE PROPOSED LIGHTING HAS BEEN INSTALLED AND OPERATIONAL, THE EXISTING LIGHTING CAN BE REMOVED. THE CONTRACTOR SHALL PERFORM FULL MAINTENANCE OF THE EXISTING LIGHTING SYSTEM WHILE OPERATIONAL (SEE SPECIAL PROVISION).

20. UPON COMPLETION OF THE PROPOSED LIGHTING IMPROVEMENTS, THE CONTRACTOR SHALL PERFORM ELECTRICAL TESTING AND VERIFY THAT THE INSTALLTION COMPLIES WITH THE LATEST EDITION OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION IN ILLINOIS.

21. CONTRACTOR SHALL USE A STANDARD CONCRETE FOUNDATION WHEREVER POSSIBLE. IF UTILITY CONFLICTS PROHIBIT THE USE OF A STANDARD CONCRETE FOUNDATION, THE CONTRACTOR SHALL CONSULT WITH ENGINEER PRIOR TO THE USE OF AN OFFSET FOUNDATION OR METAL FOUNDATION. (SEE LUMINAIRE AND POLE SCHEDULE FOR PROPOSED USE OF FOUNDATION TYPES).REVIEWED BY THE ENGINEER PRIOR TO BACKFILLING OR DURING PLOWING OPERATIONS, AS APPLICABLE.

22. 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 MECHANICALLY FASTENED WHITE PLASTIC.

LIGHTING BILL OF MATERIALS

DESCRIPTION	UNIT	QUANTITY
TRENCH BACKFILL	CU YD	290
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	200
UNDERGROUND CONDUIT, GALVANIZED STEEL, 6" DIA.	FOOT	100
UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 3/4" DIA.	FOOT	710
UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 1 1/4" DIA.	FOOT	2050
UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 1 1/2" DIA.	FOOT	3510
UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 2" DIA.	FOOT	150
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 10	FOOT	3095
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 6	FOOT	47430
LIGHT POLE FOUNDATION, 24" DIAMETER	FOOT	200
LIGHT POLE FOUNDATION, METAL, 11 1/2" BOLT CIRCLE, 8 5/8" X 6'	EACH	5
REMOVAL OF LIGHTING UNIT, SALVAGE	EACH	9
REMOVE EXISTING HANDHOLE	EACH	6
OUTLET SPECIAL	EACH	12
GFCI 20 AMP DUPLEX RECEPTACLE	EACH	28
ORNAMENTAL LIGHT UNIT, COMPLETE	EACH	16
HANDHOLE (SPECIAL)	EACH	26
HEAVY-DUTY HANDHOLE (SPECIAL)	EACH	1
LIGHT POLE FOUNDATION, SPECIAL	FOOT	90
LIGHT POLE FOUNDATION, 24" DIAMETER, OFFSET	FOOT	33
LIGHTING STANDARD, TYPE 4A	EACH	30
LIGHTING STANDARD, TYPE 4B	EACH	2
REMOVE JUNCTION BOX	EACH	1
MODIFY EXISTING CABINET EQUIPMENT AND APPURTENANCES	EACH	1
MAINTENANCE OF LIGHTING SYSTEM	CAL MO	6

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.

CAUTION
NOTICE TO CONTRACTOR

USE EXTREME CAUTION NEAR COMED FACILITIES. HAND DIG WHILE CROSSING 138KV TRANSMISSION LINE. COMED TRANSMISSION SHALL BE NOTIFIED 2 BUSINESS DAYS PRIOR TO THE START OF WORK. TO SCHEDULE AN ONSITE INSPECTOR DURING CONSTRUCTION, CONTACT LESLIE PASCHAL AT (630) 437-4767.

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

FILE NAME =	USER NAME = adericco	DESIGNED AJD	REVISED -
		DRAWN AJD, JRB	REVISED -
	PLOT SCALE = 40'	CHECKED AJD	REVISED -
Default	PLOT DATE = 10/4/2017	DATE 7/27/2017	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LIGHTING GENERAL NOTES AND BILL OF MATERIALS

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3524	10-00149-01-LS	COOK	69	38
		CONTRACT NO. 61E27		
		ILLINOIS FED. AID PROJECT		

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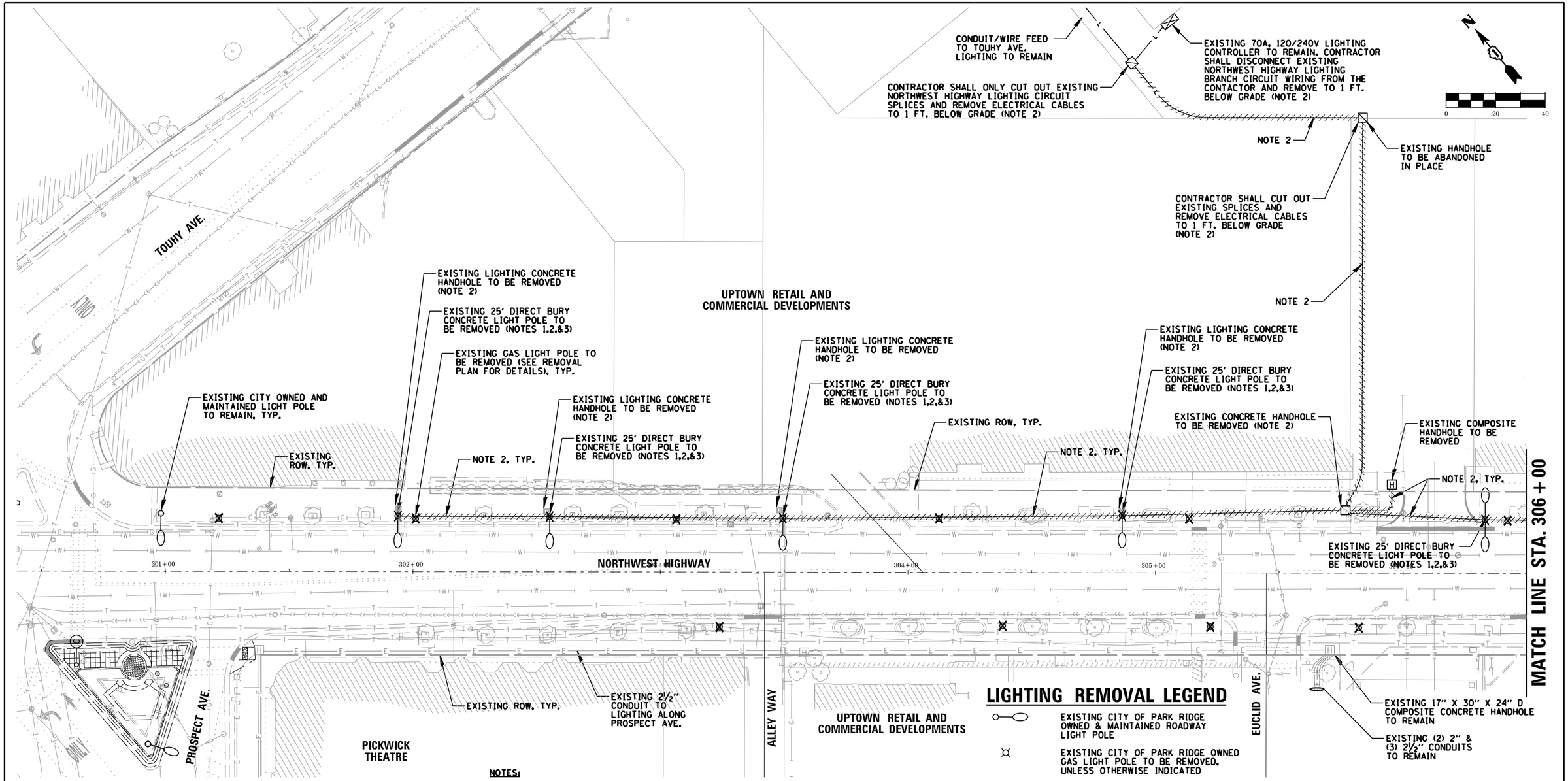

LIGHTING REMOVAL LEGEND

○—▭	EXISTING CITY OF PARK RIDGE OWNED & MAINTAINED ROADWAY LIGHT POLE
⌑	EXISTING CITY OF PARK RIDGE OWNED GAS LIGHT POLE TO BE REMOVED, UNLESS OTHERWISE INDICATED
○—Ⓒ	EXISTING COMBINATION TRAFFIC SIGNAL/LIGHT POLE TO REMAIN
X	INDICATES EXISTING ITEMS TO BE REMOVED
——E——	EXISTING ELECTRIC
——E——	EXISTING CABLES/CONDUIT TO BE ABANDONED
——)——)——	EXISTING SANITARY SEWER
——▷——▷——	EXISTING STORM SEWER
——W——	EXISTING WATERMAIN
——OH——	EXISTING OVERHEAD WIRES
——G——	EXISTING GAS LINE

NOTES:

1. CONTRACTOR SHALL REMOVE LIGHT POLES AT THE LOCATIONS SHOWN ON PLANS AND RETURN TO THE CITY OF PARK RIDGE PUBLIC WORKS. ALL ELECTRIC CABLES CONNECTED TO EXISTING LIGHT POLES SHALL BE DISCONNECTED AT POWER SOURCE AND ABANDONED IN THE CONDUIT.
2. EXISTING CONDUIT & CABLES SHALL BE DISCONNECTED AND REMOVED TO 1 FT. BELOW GRADE AND ABANDONED IN ACCORDANCE WITH ARTICLE 842 OF THE STANDARD SPECIFICATIONS. THE CONTRACTOR MAY ELECT TO REMOVE EXISTING CABLES AND SALVAGE AT NO ADDITIONAL COST TO THE OWNER.
3. THE CONTRACTOR SHALL KEEP EXISTING ELECTRIC LIGHTING IN PLACE AND OPERATIONAL DURING CONSTRUCTION TO BE USED AS TEMPORARY LIGHTING. THIS TEMPORARY LIGHTING SHALL REMAIN OPERATIONAL UNTIL PROPOSED LIGHTING IS INSTALLED AND OPERATIONAL. MAINTAINING THE EXISTING LIGHTING SHALL BE PAID FOR UNDER "MAINTENANCE OF EXISTING LIGHTING SYSTEM COMPLETE".
4. REMOVAL OF CAST IN PLACE CONCRETE HANDHOLE SHALL BE PAID FOR UNDER "REMOVE EXISTING HANDHOLE", SEE SPECIAL PROVISION.
5. REMOVAL OF COMPOSITE CONCRETE HANDHOLE SHALL BE PAID FOR UNDER "REMOVE JUNCTION BOX", SEE SPECIAL PROVISION.

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(847) 823-0500

FILE NAME =	USER NAME = adericco	DESIGNED AJD	REVISED -
		DRAWN AJD, JRB	REVISED -
	PLOT SCALE = 40'	CHECKED AJD	REVISED -
Default	PLOT DATE = 10/4/2017	DATE 7/27/2017	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LIGHTING REMOVAL PLAN (1 OF 2)

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3524	10-00149-01-LS	COOK	69	39
		CONTRACT NO. 61E27		
		ILLINOIS FED. AID PROJECT		

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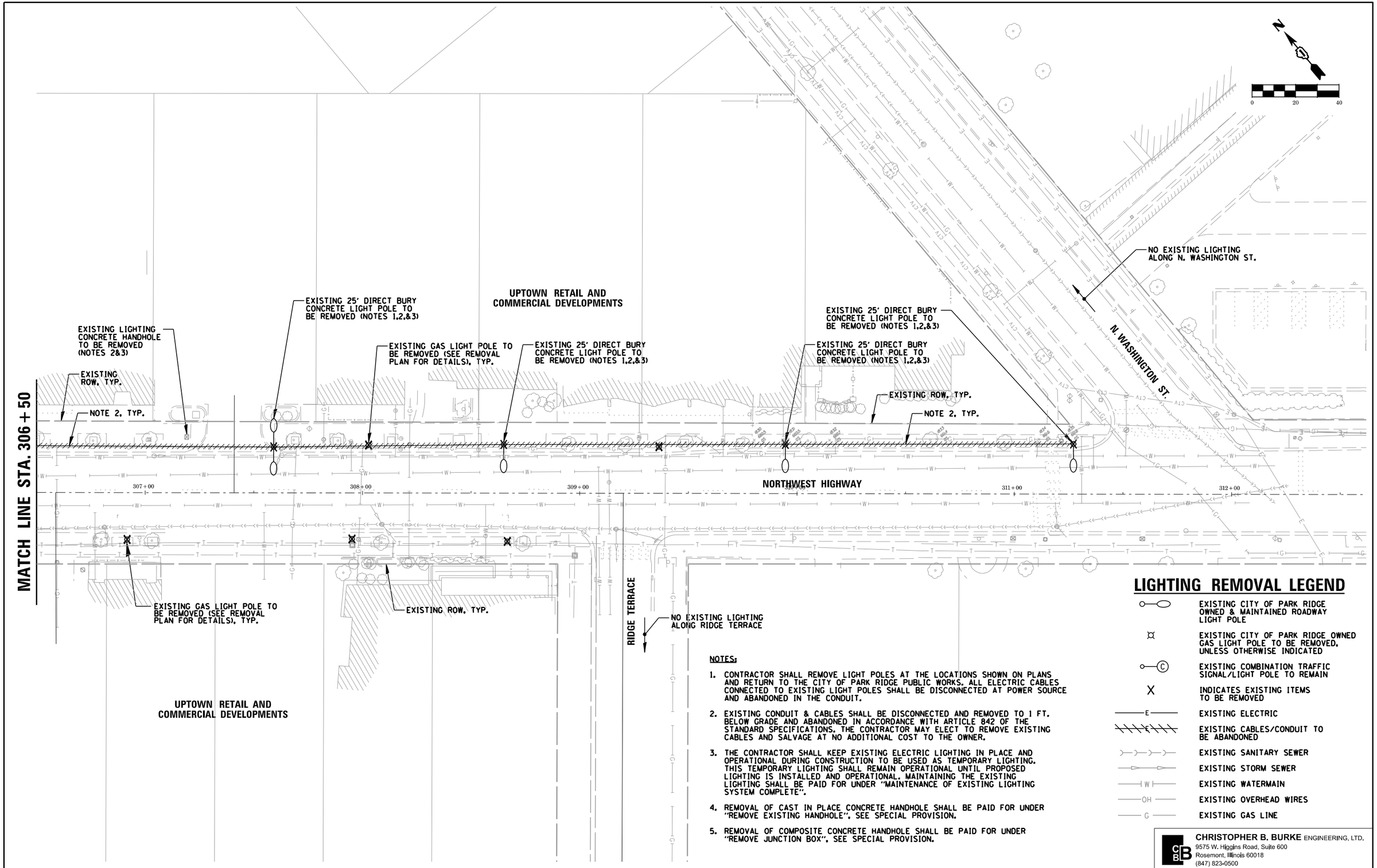

LIGHTING REMOVAL LEGEND

- EXISTING CITY OF PARK RIDGE OWNED & MAINTAINED ROADWAY LIGHT POLE
- EXISTING CITY OF PARK RIDGE OWNED GAS LIGHT POLE TO BE REMOVED, UNLESS OTHERWISE INDICATED
- EXISTING COMBINATION TRAFFIC SIGNAL/LIGHT POLE TO REMAIN
- X — INDICATES EXISTING ITEMS TO BE REMOVED
- E — EXISTING ELECTRIC
- E — EXISTING CABLES/CONDUIT TO BE ABANDONED
- EXISTING SANITARY SEWER
- EXISTING STORM SEWER
- W — EXISTING WATERMAIN
- OH — EXISTING OVERHEAD WIRES
- G — EXISTING GAS LINE

NOTES:

1. CONTRACTOR SHALL REMOVE LIGHT POLES AT THE LOCATIONS SHOWN ON PLANS AND RETURN TO THE CITY OF PARK RIDGE PUBLIC WORKS. ALL ELECTRIC CABLES CONNECTED TO EXISTING LIGHT POLES SHALL BE DISCONNECTED AT POWER SOURCE AND ABANDONED IN THE CONDUIT.
2. EXISTING CONDUIT & CABLES SHALL BE DISCONNECTED AND REMOVED TO 1 FT. BELOW GRADE AND ABANDONED IN ACCORDANCE WITH ARTICLE 842 OF THE STANDARD SPECIFICATIONS. THE CONTRACTOR MAY ELECT TO REMOVE EXISTING CABLES AND SALVAGE AT NO ADDITIONAL COST TO THE OWNER.
3. THE CONTRACTOR SHALL KEEP EXISTING ELECTRIC LIGHTING IN PLACE AND OPERATIONAL DURING CONSTRUCTION TO BE USED AS TEMPORARY LIGHTING. THIS TEMPORARY LIGHTING SHALL REMAIN OPERATIONAL UNTIL PROPOSED LIGHTING IS INSTALLED AND OPERATIONAL. MAINTAINING THE EXISTING LIGHTING SHALL BE PAID FOR UNDER "MAINTENANCE OF EXISTING LIGHTING SYSTEM COMPLETE".
4. REMOVAL OF CAST IN PLACE CONCRETE HANDHOLE SHALL BE PAID FOR UNDER "REMOVE EXISTING HANDHOLE", SEE SPECIAL PROVISION.
5. REMOVAL OF COMPOSITE CONCRETE HANDHOLE SHALL BE PAID FOR UNDER "REMOVE JUNCTION BOX", SEE SPECIAL PROVISION.

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		DRAWN AJD, JRB	REVISED -
	PLOT SCALE = 40'	CHECKED AJD	REVISED -
Default	PLOT DATE = 10/4/2017	DATE 7/27/2017	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LIGHTING REMOVAL PLAN (2 OF 2)

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3524	10-00149-01-LS	COOK	69	40
		CONTRACT NO. 61E27		
	ILLINOIS FED. AID PROJECT			

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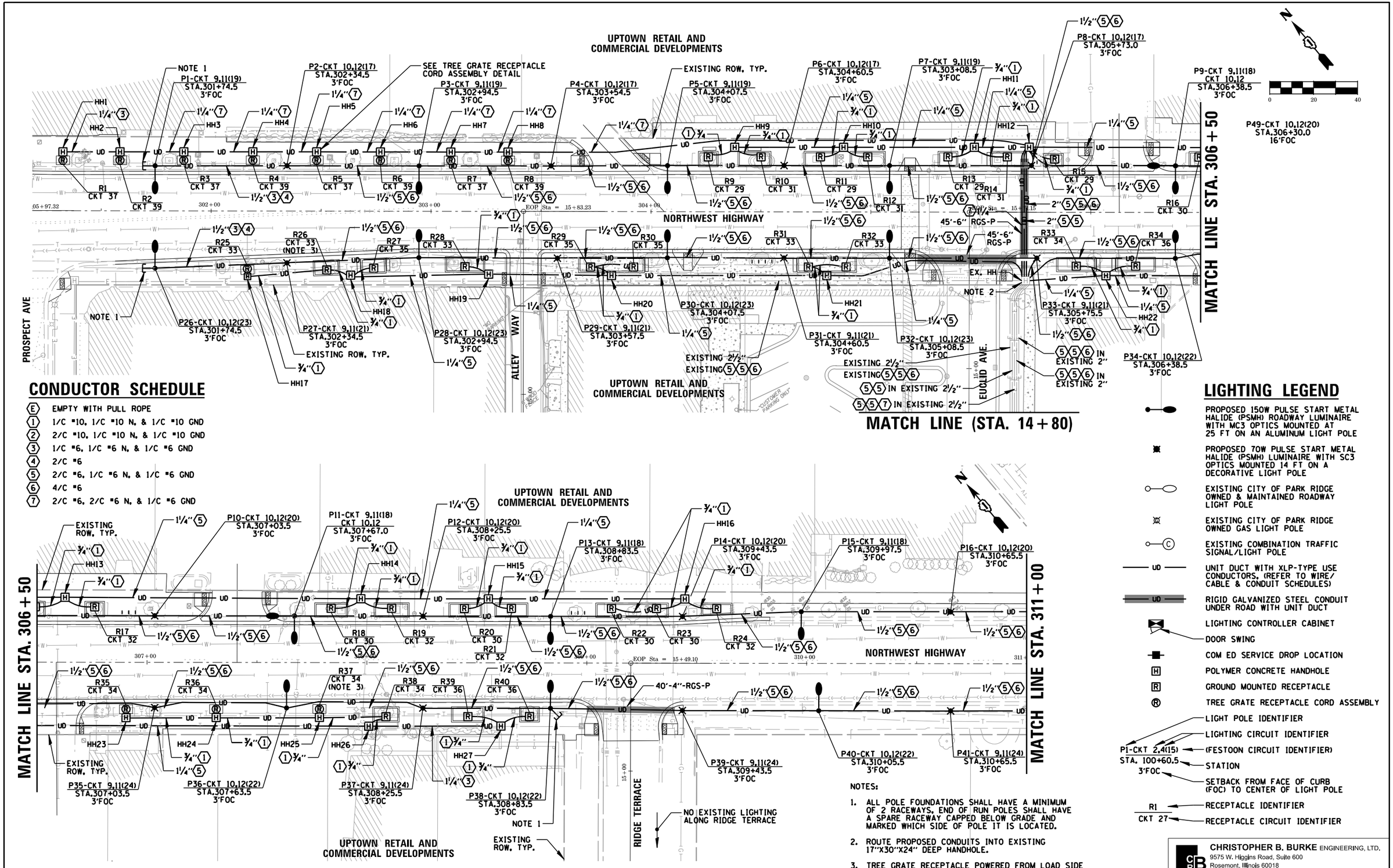

CONDUCTOR SCHEDULE

- (E) EMPTY WITH PULL ROPE
- (1) 1/C #10, 1/C #10 N, & 1/C #10 GND
- (2) 2/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
- (5) 2/C #6, 1/C #6 N, & 1/C #6 GND
- (6) 4/C #6
- (7) 2/C #6, 2/C #6 N, & 1/C #6 GND

LIGHTING LEGEND

- PROPOSED 150W PULSE START METAL HALIDE (PSMH) ROADWAY LUMINAIRE WITH MC3 OPTICS MOUNTED AT 25 FT ON AN ALUMINUM LIGHT POLE
- PROPOSED 70W PULSE START METAL HALIDE (PSMH) LUMINAIRE WITH SC3 OPTICS MOUNTED 14 FT ON A DECORATIVE LIGHT POLE
- EXISTING CITY OF PARK RIDGE OWNED & MAINTAINED ROADWAY LIGHT POLE
- EXISTING CITY OF PARK RIDGE OWNED GAS LIGHT POLE
- EXISTING COMBINATION TRAFFIC SIGNAL/LIGHT POLE
- UD — UNIT DUCT WITH XLP-TYPE USE CONDUCTORS. (REFER TO WIRE/CABLE & CONDUIT SCHEDULES)
- UD — RIGID GALVANIZED STEEL CONDUIT UNDER ROAD WITH UNIT DUCT
- LIGHTING CONTROLLER CABINET
- DOOR SWING
- COM ED SERVICE DROP LOCATION
- [H] POLYMER CONCRETE HANDHOLE
- [R] GROUND MOUNTED RECEPTACLE
- [R] TREE GRATE RECEPTACLE CORD ASSEMBLY
- LIGHT POLE IDENTIFIER
- LIGHTING CIRCUIT IDENTIFIER
- P1-CKT 2,4(15) (FESTOON CIRCUIT IDENTIFIER)
- STA. 100+60.5 STATION
- 3'FOC SETBACK FROM FACE OF CURB (FOC) TO CENTER OF LIGHT POLE
- R1 CKT 27 RECEPTACLE IDENTIFIER / RECEPTACLE CIRCUIT IDENTIFIER

NOTES:

1. ALL POLE FOUNDATIONS SHALL HAVE A MINIMUM OF 2 RACEWAYS. END OF RUN POLES SHALL HAVE A SPARE RACEWAY CAPPED BELOW GRADE AND MARKED WHICH SIDE OF POLE IT IS LOCATED.
2. ROUTE PROPOSED CONDUITS INTO EXISTING 17"X30"X24" DEEP HANDHOLE.
3. TREE GRATE RECEPTACLE POWERED FROM LOAD SIDE OF ADJACENT GROUND MOUNTED GFI RECEPTACLE.

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		DRAWN AJD, JRB	REVISED -
	PLOT SCALE = 40'	CHECKED AJD	REVISED -
	PLOT DATE = 11/9/2017	DATE 7/27/2017	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED LIGHTING PLAN (1 OF 2)

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3524	10-00149-01-LS	COOK	69	41

CONTRACT NO. 61E27

ILLINOIS FED. AID PROJECT

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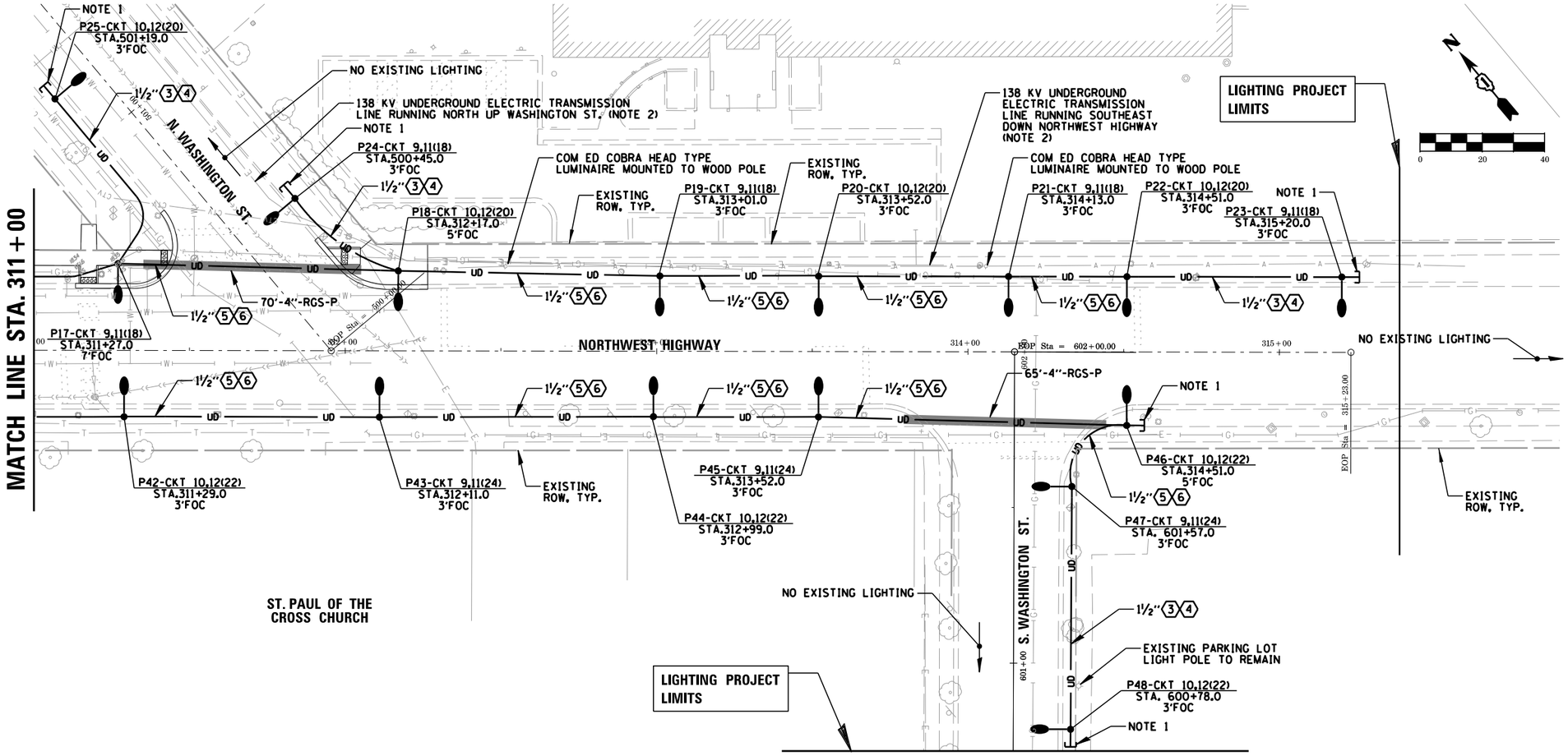


LIGHTING LEGEND

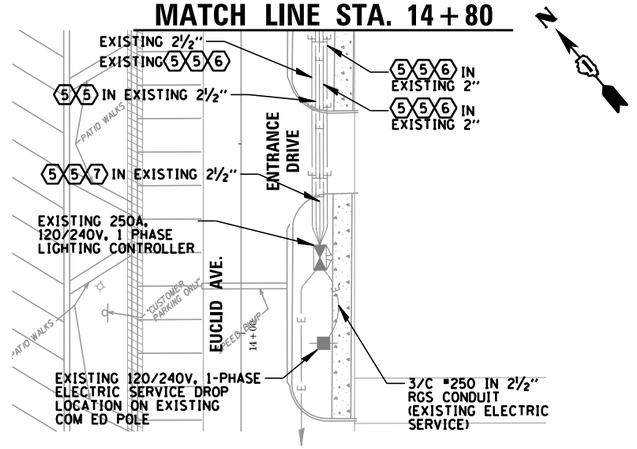
- PROPOSED 150W PULSE START METAL HALIDE (PSMH) ROADWAY LUMINAIRE WITH MC3 OPTICS MOUNTED AT 25 FT ON AN ALUMINUM LIGHT POLE
- PROPOSED 70W PULSE START METAL HALIDE (PSMH) LUMINAIRE WITH SC3 OPTICS MOUNTED 14 FT ON A DECORATIVE LIGHT POLE
- EXISTING CITY OF PARK RIDGE OWNED & MAINTAINED ROADWAY LIGHT POLE
- EXISTING CITY OF PARK RIDGE OWNED GAS LIGHT POLE
- EXISTING COMBINATION TRAFFIC SIGNAL/LIGHT POLE
- UD — UNIT DUCT WITH XLP-TYPE USE CONDUCTORS. (REFER TO WIRE/CABLE & CONDUIT SCHEDULES)
- UD — RIGID GALVANIZED STEEL CONDUIT UNDER ROAD WITH UNIT DUCT
- LIGHTING CONTROLLER CABINET
- DOOR SWING
- COM ED SERVICE DROP LOCATION
- H — POLYMER CONCRETE HANDHOLE
- R — GROUND MOUNTED RECEPTACLE
- ® — TREE GRATE RECEPTACLE CORD ASSEMBLY

P1-CKT 2,4(15) — LIGHT POLE IDENTIFIER; LIGHTING CIRCUIT IDENTIFIER; (FESTOON CIRCUIT IDENTIFIER)
STA. 100+60.5 — STATION
3'FOC — SETBACK FROM FACE OF CURB (FOC) TO CENTER OF LIGHT POLE
R1 / CKT 27 — RECEPTACLE IDENTIFIER; RECEPTACLE CIRCUIT IDENTIFIER

NOTES:

1. ALL POLE FOUNDATIONS SHALL HAVE A MINIMUM OF 2 RACEWAYS. END OF RUN POLES SHALL HAVE A SPARE RACEWAY CAPPED BELOW GRADE AND MARKED WHICH SIDE OF POLE IT IS LOCATED.
2. USE EXTREME CAUTION NEAR COMED FACILITIES. HAND DIG WHILE CROSSING 69/138/345KV TRANSMISSION LINE. COMED TRANSMISSION SHALL BE NOTIFIED 2 BUSINESS DAYS PRIOR TO THE START OF WORK. TO SCHEDULE AN ONSITE INSPECTOR DURING CONSTRUCTION, CONTACT LESLIE PASCHAL AT (630) 437-4767.

MATCH LINE STA. 14+80



CONDUCTOR SCHEDULE

E	EMPTY WITH PULL ROPE
1	1/C #10, 1/C #10 N, & 1/C #10 GND
2	2/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
5	2/C #6, 1/C #6 N, & 1/C #6 GND
6	4/C #6
7	2/C #6, 2/C #6 N, & 1/C #6 GND

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

FILE NAME =	USER NAME = adericco	DESIGNED AJD	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED LIGHTING PLAN (2 OF 2)	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN AJD, JRB	REVISED -			3524	10-00149-01-LS	COOK	69	42
	PLOT SCALE = 40'	CHECKED AJD	REVISED -						CONTRACT NO. 61E27	
Default	PLOT DATE = 10/4/2017	DATE 7/27/2017	REVISED -		SCALE: 1"=20' SHEET OF SHEETS STA. TO STA.			ILLINOIS	FED. AID PROJECT	

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ITEM	SPECIFICATION
(1) MAIN CIRCUIT BREAKER (NOTE 3)	250 AMPERE, 2P, 240V RATING, 18KAIC, THERMAL MAGNETIC MOLDED CASE
(2) CABINET RECEPTACLE/LIGHT CIRCUIT BREAKER (NOTE 3)	20 AMPERE, 1P, 120V RATING, 18KAIC, THERMAL MAGNETIC MOLDED CASE
(3) CONTROL CIRCUIT BREAKER	15 AMPERE, 1P, 120V RATING, 18KAIC, THERMAL MAGNETIC MOLDED CASE
(4) AUXILIARY RELAY	30 AMPERE, 120 V OPERATED DPDT 60 HZ COIL, 2 NO & 2 NC CONTACTS PLUG-IN TYPE, PANEL MOUNTED
(5) CABINET RECEPTACLE AND BOX	COMMERCIAL GRADE GFCI 20A/120V, MOUNTED IN A WEATHERPROOF DIE CAST ALUMINUM SINGLE GANG BOX WITH WEATHERPROOF FLAPPER TYPE COVER
(6) CABINET LIGHT AND BOX	DIECAST ALUMINUM BOX AND CAGE, WITH VAPORPROOF CLEAR GLASS GLOBE, EXTERIOR GRADE 120V - 100W MEDIUM BASE INCANDECENT LAMP
(7) LIGHTING CONTACTOR	300 AMPERE, 2 POLE, 120 VOLT COIL, MECH HELD
(8) LIGHTING PANELBOARD LP-1	120/240V-1Ø-400A MAIN LUG ONLY, 42 SPACE, 18KAIC, 20" WIDE, NEMA 1 ENCLOSURE, BOLT ON BREAKERS (SEE PANELBOARD SCHEDULE)
(9) POWER DISTRIBUTION BLOCK	600 VOLT, INSULATED, SIZE AS REQUIRED
(10) SERVICE CABLES	3-600V (XLP-TYPE USE) NO. 250MCM
(11) LAMPHOLDER WIRE	600V XLP NO. 12
(12) CONTROL WIRE	600V XLP NO. 12
(13) SURGE ARRESTOR	36 K AMPERE RATING PER PHASE
(14) BACKBOARD	½" THICK, SOLID PHENOLIC LAMINATE
(15) DOOR SWITCH	20 AMPERE, 120 VOLT, MOUNTED IN DOOR, SNAP ACTION TYPE, PLUNGER SWITCH.
(16) HAND-AUTO-OFF CONTROL SWITCH	20A, 3 POS. SELECTOR TYPE, MTD IN SQUARE DIE CAST ALUMINUM BOX
(17) PHOTOCELL	120V, MTD. ON CABINET, 30 SEC DELAY, SPST-NC, 1-4FC ON, 3-12FC OFF
(18) TERMINAL BLOCKS	30 AMPERE, 240V, 42 CKTS, #14-#4AWG, INSULATED, CKTS LABELED

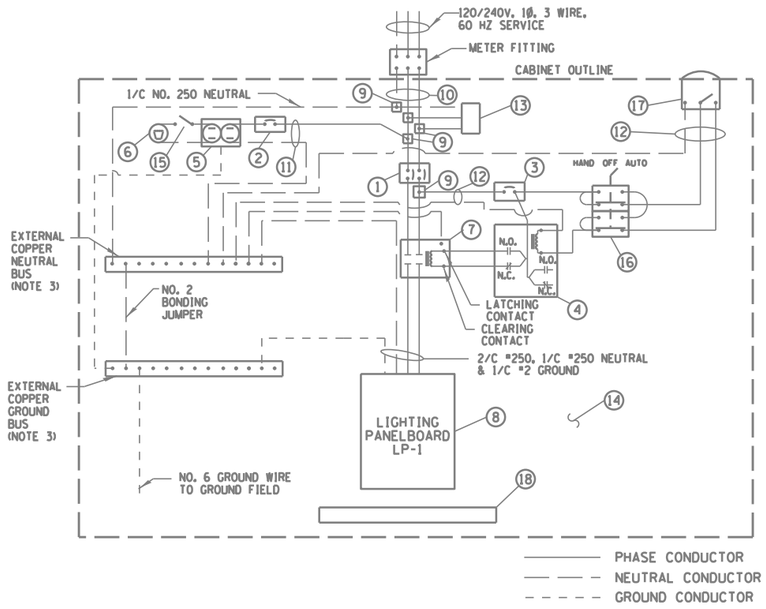
NOTES: 1. ALL ITEMS LISTED IN LIGHTING CONTROLLER COMPONENT SCHEDULE SHALL BE CONSIDERED INCIDENTAL TO THE PRICE BID FOR THE LIGHTING CONTROLLER INCLUDING CABINET AND FOUNDATION.

2. THE LIGHTING CONTROLLER TOGETHER WITH ALL OF ITS COMPONENTS SHALL BE UL LISTED AS AN "ENCLOSED INDUSTRIAL CONTROL PANEL" UNDER UL508A.

3. IN ADDITION TO REQUIRED LABELING, THIS CIRCUIT BREAKER SHALL ALSO BE LABELED "SERVICE DISCONNECT".

4. ALL SWITCHES AND CONTROLS SHALL BE IDENTIFIED USING TWO COLOR ENGRAVED NAMEPLATES.

EXISTING LIGHTING CONTROLLER COMPONENT SCHEDULE



EXISTING LIGHTING CONTROLLER WIRING DETAIL

N.T.S.

PANELBOARD SCHEDULE LP-1

FED FROM: MAIN BREAKER/CONTACTOR
VOLTAGE: 120/240V, 1 PH, 3W
BUS SIZE: 400
MAINS: MAIN LUG ONLY
SPACES: 42
SHORT CKT RATING: 22KAIC
BONDING JUMPER: NO
MOUNTING: SURFACE

TOT. 'A' PHASE: 19336 VA
TOT. 'B' PHASE: 18816 VA
TOTAL 'A' + 'B': 38152 VA
TOTAL AMPS: 159.0 A

WIRE COLORS	CKT #	CB/ POLES	DESCRIPTION	A PH VA	B PH VA	A PH VA	B PH VA	DESCRIPTION	CB/ POLES	CKT #	WIRE COLORS
B	1	20A	PROSPECT LIGHTING (E)	396		396		PROSPECT LIGHTING (E)	20A	2	R
B	3	2P			396		396		2P	4	R
B	5	20A	SUMMIT LIGHTING	540		240		SUMMIT LIGHTING	20A	6	R
B	7	2P			540		240		2P	8	R
B	9	30A	**NORTHWEST HWY LIGHTING**	**2208**		**2416**		**NORTHWEST HWY LIGHTING**	30A	10	**R**
B	11	2P			**2208**		**2416**		2P	12	**R**
BL	13	20A	PROSPECT FESTOON	900		720		SUMMIT FESTOONS	20A	14	BL
OR	15	2P	RECEPTS (E)		900		900		2P	16	OR
BL	17	20A	**NORTHWEST HWY FESTOON**	**1080**		**1620**		**NORTHWEST HWY FESTOON**	20A	18	**BL**
OR	19	2P	**RECEPTS (NW)**		**720**		**1620**	**RECEPTS (NE)**	2P	20	**OR**
BL	21	20A	**NORTHWEST HWY FESTOON**	**720**		**1440**		**NORTHWEST HWY FESTOON**	20A	22	**BL**
OR	23	2P	**RECEPTS (SW)**		**720**		**1260**	**RECEPTS (SE)**	2P	24	**OR**
BL	25	20A	PROSPECT PLANTER	900		900		SUMMIT PLANTER RECEPT	*20A/1P	28	BL
OR	27	2P	RECEPTS (E)		1260		900	SUMMIT PLANTER RECEPT	*20A/1P	28	OR
BL	29	20A	**NORTHWEST HWY PLANTER**	**1440**		**900**		**NORTHWEST HWY PLANTER**	20A	30	**BL**
OR	31	2P	**RECEPTS (NW)**		**1460**		**720**	**RECEPTS (NE)**	2P	32	**OR**
BL	33	20A	**NORTHWEST HWY PLANTER**	**900**		**900**		**NORTHWEST HWY PLANTER**	20A	34	**BL**
OR	35	2P	**RECEPTS (SW)**		**540**		**900**	**RECEPTS (SE)**	2P	36	**OR**
BL	**37**	***20A-1P**	**NW HWY PLANTER RECEPT**	**720**				SPARE	20A	38	
OR	**39**	***20A-1P**	**NW HWY PLANTER RECEPT**		**720**				2P	40	
	41		SPACE					SPACE		42	
			SUBTOTALS:	**9804**	**9464**	**9532**	**9352**				

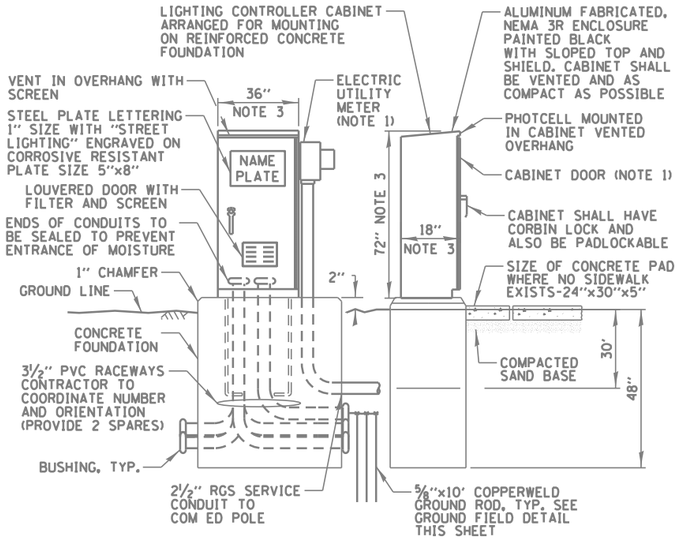
* INDICATES GFCI CIRCUIT BREAKERS

NOTES: 1. BRANCH CIRCUIT WIRING COLORS: (B) BLACK, (R) RED, (BL) BLUE, & (OR) ORANGE.
2. ALL CIRCUIT BREAKERS SHALL BE BOLT ON TYPE AND RATED 18KAIC MINIMUM.

EXISTING CONDITIONS SHOWN HALF-TONED
PROPOSED CONDITIONS SHOWN BOLD

NOTES:

1. **CONTRACTOR SHALL FURNISH & INSTALL (2) 20A-120V GFCI CIRCUIT BREAKERS.**
2. **CONTRACTOR SHALL MODIFY PANELBOARD SCHEDULE.**
3. **THIS WORK PAID FOR UNDER "MODIFY EXISTING CABINET EQUIPMENT AND APPURTENANCES", SEE SPECIAL PROVISION.**



EXISTING LIGHTING CONTROLLER CABINET AND FOUNDATION

N.T.S.

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Rosemont, Illinois 60018
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FILE NAME =	USER NAME = adericco	DESIGNED AJD	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
		DRAWN AJD, JRB	REVISED -	
Default	PLOT SCALE = 40'	CHECKED AJD	REVISED -	
	PLOT DATE = 10/4/2017	DATE 7/27/2017	REVISED -	

LIGHTING DETAILS (1 OF 6)

SCALE: N.T.S. | SHEET OF SHEETS | STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3524	10-00149-01-LS	COOK	69	43
		CONTRACT NO. 61E27		
		ILLINOIS FED. AID PROJECT		

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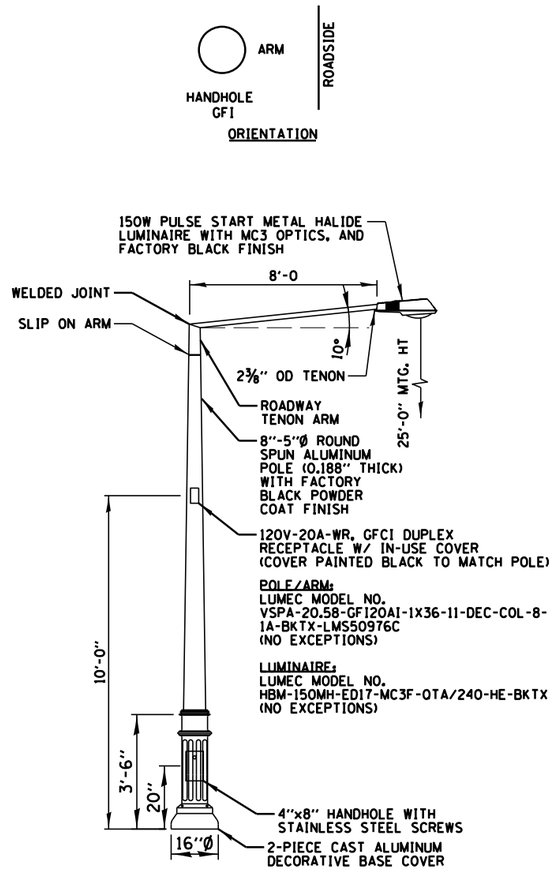
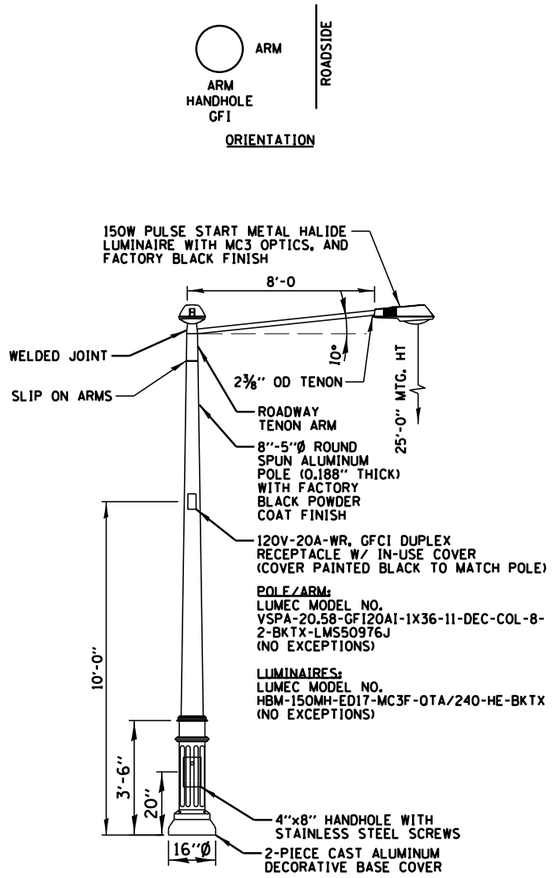


NOTES:
1. PAID FOR UNDER "LIGHTING STANDARD, TYPE 4A", SEE SPECIAL PROVISION

SINGLE–ARM ROADWAY LIGHTPOLE DETAIL

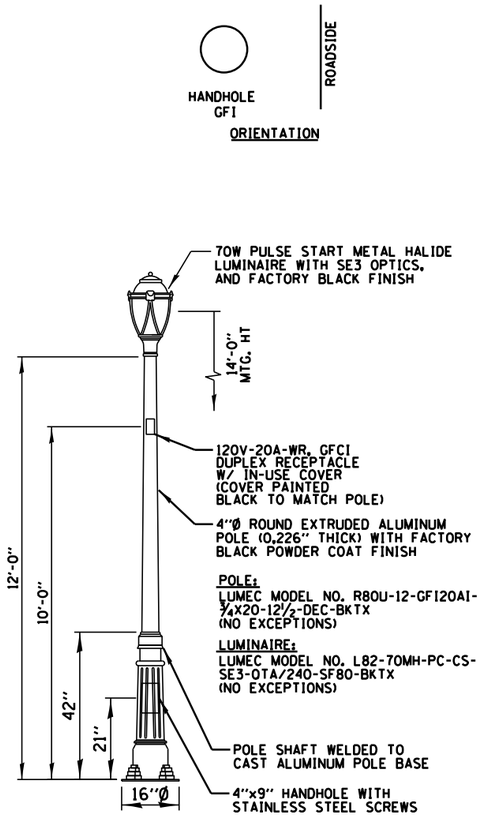
N.T.S.



NOTES:
1. PAID FOR UNDER "LIGHTING STANDARD, TYPE 4B", SEE SPECIAL PROVISION

DOUBLE–ARM ROADWAY LIGHTPOLE DETAIL

N.T.S.



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

PEDESTRIAN LIGHTPOLE DETAIL

N.T.S.

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		DRAWN AJD, JRB	REVISED -
	PLOT SCALE = 40'	CHECKED AJD	REVISED -
	PLOT DATE = 10/4/2017	DATE 7/27/2017	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LIGHTING DETAILS (2 OF 6)

SCALE: N.T.S. | SHEET OF SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3524	10-00149-01-LS	COOK	69	44
		CONTRACT NO. 61E27		
		ILLINOIS FED. AID PROJECT		

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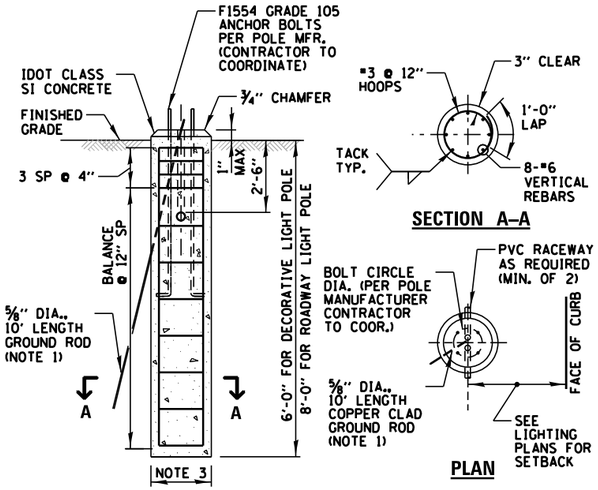


SECTION A–A

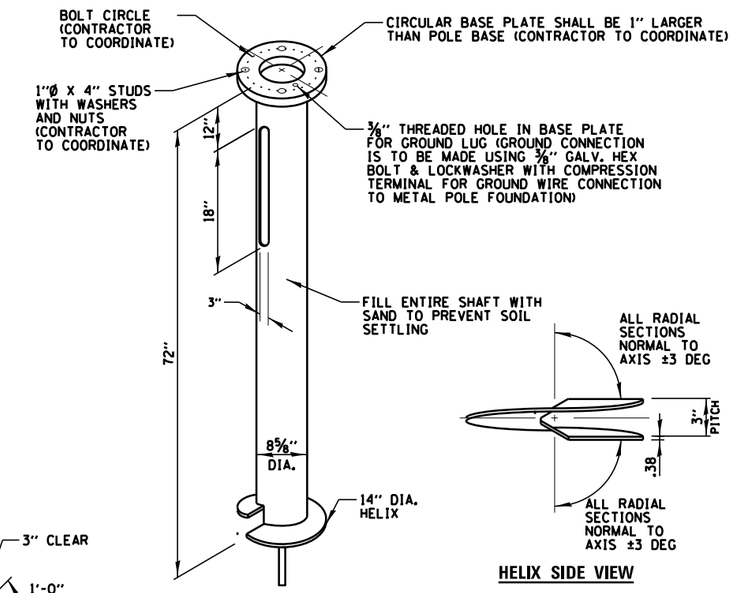
PLAN

NOTES:

1. GROUND ROD SHALL BE CAST INTO CONCRETE FOUNDATION WITH 8 FEET IN CONTACT WITH SOIL.
2. FOUNDATIONS SHALL BE VIBRATED IN ACCORDANCE WITH IDOT STANDARD PRACTICES.
3. DIAMETER OF CONCRETE FOUNDATIONS SHALL BE 18" DIA. FOR PEDESTRIAN LIGHT POLES, AND 24" DIA. FOR ROADWAY LIGHT POLES.
4. ALL ABOVE ITEMS INCLUDING CONCRETE, GROUND ROD, REINFORCEMENT, RACEWAYS AND FORMWORK SHALL BE INCLUDED IN THE "LIGHT POLE FOUNDATION" PAY ITEM.
5. 24" FOUNDATIONS PAID FOR UNDER "LIGHT POLE FOUNDATION, 24" DIAMETER", 18" FOUNDATION PAID FOR UNDER "LIGHT POLE FOUNDATION, SPECIAL", SEE SPECIAL PROVISION.

CONCRETE FOUNDATION DETAIL

N.T.S.



HELIX SIDE VIEW

NOTES:

1. FINISH: HOT DIP GALVANIZED PER AASHTO M111 (LATEST REVISION).
2. BASEPLATE TO BE PERPENDICULAR TO SHAFT AXIS (± 1 DEG) AND HOLE CENTERLINE CONCENTRIC (± .188) TO SHAFT AXIS.
3. STENCIL MIN ½ IN. LETTERS MANUFACTURER'S NUMBER AFTER GALVANIZING.
4. PILOT POINT AND SHAFT AXES TO BE CONCENTRIC (± 125 FIM) AND IN LINE (± 2 DEG).
5. FLAME CUT SLOT PERPENDICULAR TO THE BASEPLATE.
6. PREHEAT, TUMBLEBLAST, HANDGRIND, AND CLEAN BASEPLATE, HELIX, AND PILOT POINT ON ALL WELDED AREAS.
7. FLAME CUT IRREGULARITIES PERMISSIBLE: (1) VALLEYS NOT TO EXCEED 1/32 IN. BELOW NOMINAL SURFACE LEVEL. (2) PEAKS OR POSITIVE IRREGULARITIES NOT TO EXCEED 1/32 IN. ABOVE NOMINAL SURFACE LEVEL OR INTERSECTIONS OF NOMINAL SURFACES.
8. MANUFACTURER TO HAVE IN EFFECT INDUSTRY RECOGNIZED WRITTEN QUALITY CONTROL FOR ALL MATERIALS AND MANUFACTURING PROCESSES.
9. ALL MATERIAL IS TO BE NEW AND MILL TRACEABLE MEETING THE FOLLOWING SPECIFICATIONS:

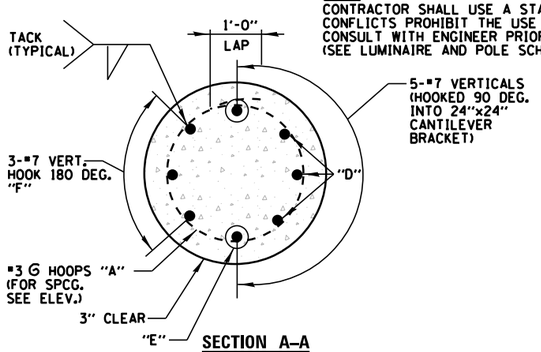
BASEPLATE:	ASTM A36-(LATEST REVISION) STRUCTURAL (CONFORM TO AASHTO TECH. BUL. #270)
SHAFT:	ASTM A252 (LATEST REVISION) GRADE 2, STEEL PIPEPILES. ALT. MATERIAL: ASTM A53 (LATEST REVISION) TYPE E OR S, GRADE B, STEEL PIPE OR ASTM A500 (LATEST REVISION) GRADE B, STRUCTURAL STEEL TUBING.
HELIX:	ASTM A635 (LATEST REVISION) 3/8" THICK HOT ROLLED STEEL PLATE OR COIL.
PILOT POINT:	ASTM A575 (LATEST REVISION) 1¼" DIA. HOT ROLLED STEEL BAR.
BOLTS:	1" DIA. HOT DIP GALVANIZED STUDS IN ACCORDANCE WITH AASHTO M314 OR ASTM F1554 GRADE 105.

10. BASEPLATE IS PERMANENTLY STAMPED WITH MANUFACTURER'S IDENTIFICATION "ABC" IN ½" LETTERS AND DATE CODE IN ¼" LETTERS.
11. PAID FOR UNDER "LIGHTPOLE FOUNDATION, METAL, 11-1/2" BOLT CIRCLE, 8-5/8" X 6"", SEE SPECIAL PROVISION.

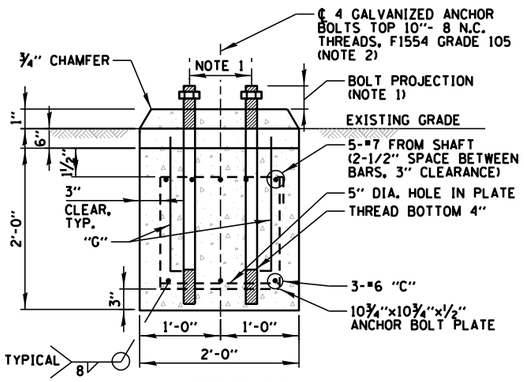
METAL HELIX FOUNDATION

N.T.S.

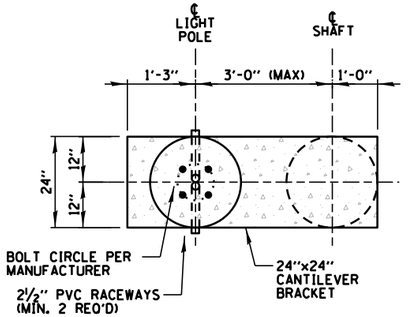
NOTE:
CONTRACTOR SHALL USE A STANDARD CONCRETE FOUNDATION WHEREVER POSSIBLE. IF UTILITY CONFLICTS PROHIBIT THE USE OF A STANDARD CONCRETE FOUNDATION, THE CONTRACTOR SHALL CONSULT WITH ENGINEER PRIOR TO THE USE OF AN OFFSET FOUNDATION OR METAL FOUNDATION. (SEE LUMINAIRE AND POLE SCHEDULE FOR PROPOSED USE OF FOUNDATION TYPES).



SECTION A–A



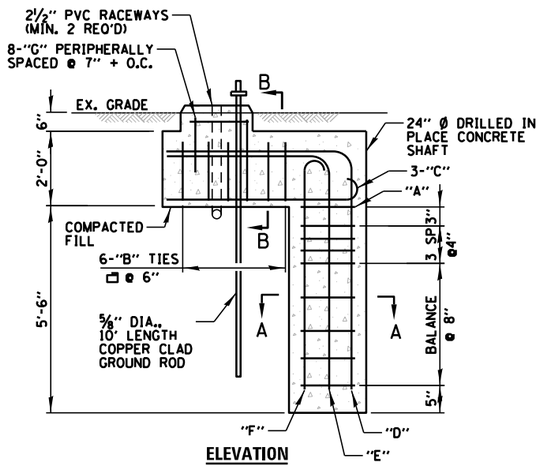
SECTION B–B



PLAN–CANTILEVERED BRACKET

NOTES:

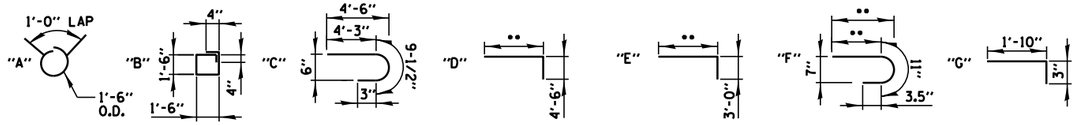
1. BOLT SIZE, PROJECTION & CIRCLE PER POLE MANUFACTURER.
2. THE TOP OF THE ANCHOR BOLTS SHALL NOT PROJECT MORE THAN 4" ABOVE A 60" CHORD ALIGNED RADIALLY TO THE CENTERLINE OF THE ROADWAY, AND CONNECTING ANY POINT, WITHIN THE LENGTH OF THE CHORD, ON THE GROUND SURFACE ON ONE SIDE OF THE SUPPORT TO A POINT ON THE GROUND SURFACE ON THE OTHER SIDE.
3. CONCRETE SHALL BE IDOT CLASS SI, WITH A MINIMUM COMPRESSIVE STRENGTH OF 3500 PSI AT 14 DAYS.
4. HOLE FOR FOUNDATIONS SHALL BE AUGERED AND FOUNDATIONS SHALL BE VIBRATED IN ACCORDANCE WITH IDOT STANDARD PRACTICES.
5. REINFORCING BARS SHALL CONFORM TO BILLET STEEL BARS, (ASTM-A615) SPECIFICATIONS WITH A 6000 PSI MINIMUM YIELD STRENGTH.
6. FOUNDATION AS SHOWN REPRESENTS 11 LINEAL FEET.
7. ALL ITEMS SHOWN INCLUDING CONCRETE, REINFORCEMENT, GROUND ROD, RACEWAYS AND FORMWORK SHALL BE INCLUDED IN THE "LIGHT POLE FOUNDATION, 24" DIAMETER OFFSET" PAY ITEM, SEE SPECIAL PROVISION.



ELEVATION

BILL OF MATERIALS				
QUAN.	MARK	SIZE	LENGTH	SHAPE
•	A	#3	5'-9"	
6	B	#3	6'-8"	
3	C	#6	5-3½"	
3	D	#7	••	
2	E	#7	••	
3	F	#7	••	
8	G	#6	2'-1"	
REINFORCING BARS LBS.				285
ANCHOR BOLTS NO.				4
ANCHOR BOLT PLATE NO.				1

• QUANTITY AS REQUIRED
•• SIZE AS REQUIRED



OFFSET CONCRETE FOUNDATION DETAIL

N.T.S.

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FILE NAME = Default	USER NAME = adericco	DESIGNED AJD	REVISED -
		DRAWN AJD, JRB	REVISED -
	PLOT SCALE = 40'	CHECKED AJD	REVISED -
	PLOT DATE = 1/24/2018	DATE 7/27/2017	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LIGHTING DETAILS (3 OF 6)

SCALE: N.T.S. | SHEET OF SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3524	10-00149-01-LS	COOK	69	45

CONTRACT NO. 61E27
ILLINOIS FED. AID PROJECT

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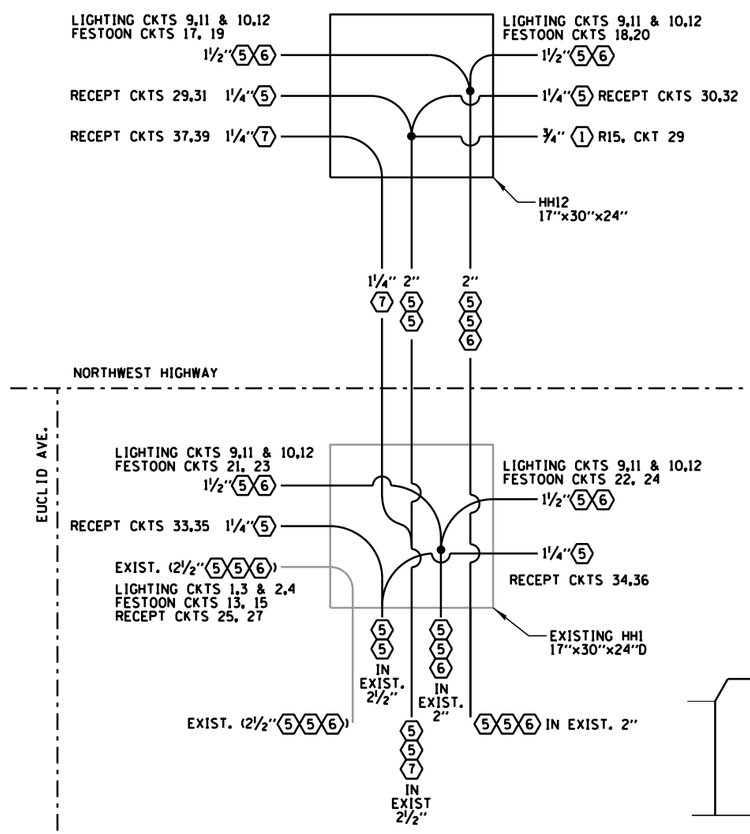
CONDUCTOR SCHEDULE

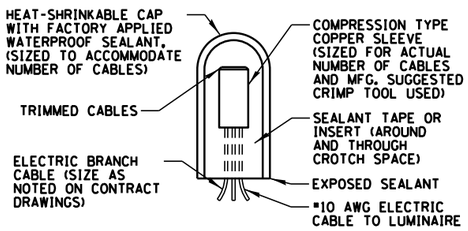
- (E) EMPTY WITH PULL ROPE
- (1) 1/C #10, 1/C #10 N, & 1/C #10 GND
- (2) 2/C #10, 1/C #10 N, & 1/C #10 GND
- (3) 1/C #6, 1/C #6 N, & 1/C #6 GND
- (4) 2/C #6
- (5) 2/C #6, 1/C #6 N, & 1/C #6 GND
- (6) 4/C #6
- (7) 2/C #6, 2/C #6 N, & 1/C #6 GND

N



HANDHOLE CONDUIT/WIRING DETAIL EXISTING HANDHOLE TO HH12

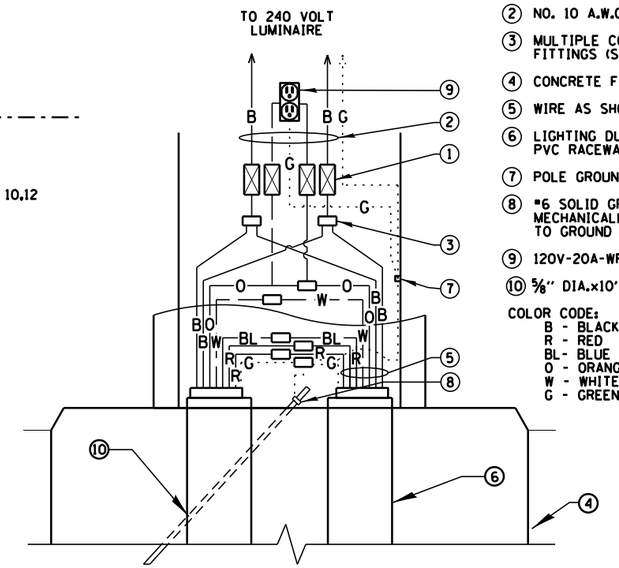
N.T.S.



SPLICING ELECTRIC CABLE

N.T.S.

PHASE CONDUCTOR
GROUND CONDUCTOR
NEUTRAL CONDUCTOR



LIGHT POLE HANDHOLE WIRING DIAGRAM

N.T.S.

1. CONNECTOR KIT METHOD WITH A 5A FUSE FOR LUMINAIRE & 2A FUSE FOR RECEPTACLE (NEUTRAL SHALL BE NON-FUSED). FUSES SHALL BE TIME-DELAY TYPE FUSES INSIDE A 2 POLE FUSE HOLDER AND INSULATING BOOTS
2. NO. 10 A.W.G. WIRE
3. MULTIPLE COMPRESSION FITTINGS (SPLICE)
4. CONCRETE FOUNDATION
5. WIRE AS SHOWN ON PLANS
6. LIGHTING DUCT IN PVC RACEWAY
7. POLE GROUND LUG
8. #6 SOLID GROUND WIRE MECHANICALLY CLAMPED TO GROUND ROD
9. 120V-20A-WR RECEPTACLE
10. ⅝" DIA.x10' GROUND ROD

COLOR CODE:
B - BLACK
R - RED
BL- BLUE
O - ORANGE
W - WHITE
G - GREEN

LUMINAIRE AND POLE SCHEDULE

LIGHT POLE IDENTIFIER	POLE TYPE	SYMBOL	LUMINAIRES				FESTOON RECEPTACLES		LIGHT POLE FOUNDATION
			ROADWAY		PEDESTRIAN				
			WATTAGE	CKT ID	WATTAGE	CKT ID	WATTAGE	CKT ID	
P1	ROADWAY		(1) 150W	9,11	-	-	180W	19	CONCRETE
P2	DECORATIVE		-	-	(1) 70W	10,12	180W	17	CONCRETE
P3	ROADWAY		(1) 150W	9,11	-	-	180W	19	CONCRETE
P4	DECORATIVE		-	-	(1) 70W	10,12	180W	17	CONCRETE
P5	ROADWAY		(1) 150W	9,11	-	-	180W	19	CONCRETE
P6	DECORATIVE		-	-	(1) 70W	10,12	180W	17	CONCRETE
P7	ROADWAY		(1) 150W	9,11	-	-	180W	19	CONCRETE
P8	DECORATIVE		-	-	(1) 70W	10,12	180W	17	CONCRETE
P9	ROADWAY (DUAL ARM)		(1) 150W (1) 150W	9,11 10,12	-	-	180W	18	CONCRETE
P10	DECORATIVE		-	-	(1) 70W	10,12	180W	20	CONCRETE
P11	ROADWAY (DUAL ARM)		(1) 150W (1) 150W	9,11 10,12	-	-	180W	18	CONCRETE
P12	DECORATIVE		-	-	(1) 70W	10,12	180W	20	CONCRETE
P13	ROADWAY		(1) 150W	9,11	-	-	180W	18	CONCRETE
P14	DECORATIVE		-	-	(1) 70W	10,12	180W	20	CONCRETE
P15	ROADWAY		(1) 150W	9,11	-	-	180W	18	CONCRETE
P16	DECORATIVE		-	-	(1) 70W	10,12	180W	20	CONCRETE
P17	ROADWAY		(1) 150W	9,11	-	-	180W	18	CONCRETE
P18	ROADWAY		(1) 150W	10,12	-	-	180W	20	CONCRETE
P19	ROADWAY		(1) 150W	9,11	-	-	180W	18	METAL
P20	ROADWAY		(1) 150W	10,12	-	-	180W	20	METAL
P21	ROADWAY		(1) 150W	9,11	-	-	180W	18	METAL
P22	ROADWAY		(1) 150W	10,12	-	-	180W	20	METAL
P23	ROADWAY		(1) 150W	9,11	-	-	180W	18	METAL
P24	ROADWAY		(1) 150W	9,11	-	-	180W	18	CONCRETE
P25	ROADWAY		(1) 150W	10,12	-	-	180W	20	CONCRETE
P26	ROADWAY		(1) 150W	10,12	-	-	180W	23	OFFSET
P27	DECORATIVE		-	-	(1) 70W	9,11	180W	21	OFFSET
P28	ROADWAY		(1) 150W	10,12	-	-	180W	23	OFFSET
P29	DECORATIVE		-	-	(1) 70W	9,11	180W	21	CONCRETE
P30	ROADWAY		(1) 150W	10,12	-	-	180W	23	CONCRETE
P31	DECORATIVE		-	-	(1) 70W	9,11	180W	21	CONCRETE
P32	ROADWAY		(1) 150W	10,12	-	-	180W	23	CONCRETE
P33	DECORATIVE		-	-	(1) 70W	9,11	180W	21	CONCRETE
P34	ROADWAY		(1) 150W	10,12	-	-	180W	22	CONCRETE
P35	DECORATIVE		-	-	(1) 70W	9,11	180W	24	CONCRETE
P36	ROADWAY		(1) 150W	10,12	-	-	180W	22	CONCRETE
P37	DECORATIVE		-	-	(1) 70W	9,11	180W	24	CONCRETE
P38	ROADWAY		(1) 150W	10,12	-	-	180W	22	CONCRETE
P39	DECORATIVE		-	-	(1) 70W	9,11	180W	24	CONCRETE
P40	ROADWAY		(1) 150W	10,12	-	-	180W	22	CONCRETE
P41	DECORATIVE		-	-	(1) 70W	9,11	180W	24	CONCRETE
P42	ROADWAY		(1) 150W	10,12	-	-	180W	22	CONCRETE
P43	ROADWAY		(1) 150W	9,11	-	-	180W	24	CONCRETE
P44	ROADWAY		(1) 150W	10,12	-	-	180W	22	CONCRETE
P45	ROADWAY		(1) 150W	9,11	-	-	180W	24	CONCRETE
P46	ROADWAY		(1) 150W	10,12	-	-	180W	22	CONCRETE
P47	ROADWAY		(1) 150W	9,11	-	-	180W	24	CONCRETE
P48	ROADWAY		(1) 150W	10,12	-	-	180W	22	CONCRETE

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		DRAWN AJD, JRB	REVISED -	
Default	PLOT SCALE = 40'	CHECKED AJD	REVISED -	
	PLOT DATE = 10/4/2017	DATE 7/27/2017	REVISED -	

LIGHTING DETAILS (4 OF 6)

SCALE: N.T.S. | SHEET OF SHEETS | STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3524	10-00149-01-LS	COOK	69	46
		CONTRACT NO. 61E27		
	ILLINOIS FED. AID PROJECT			

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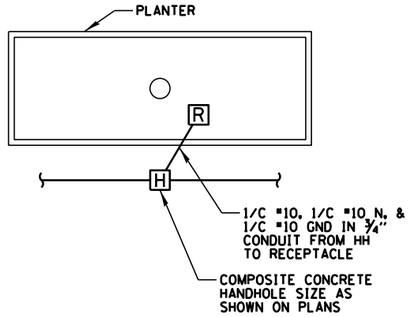
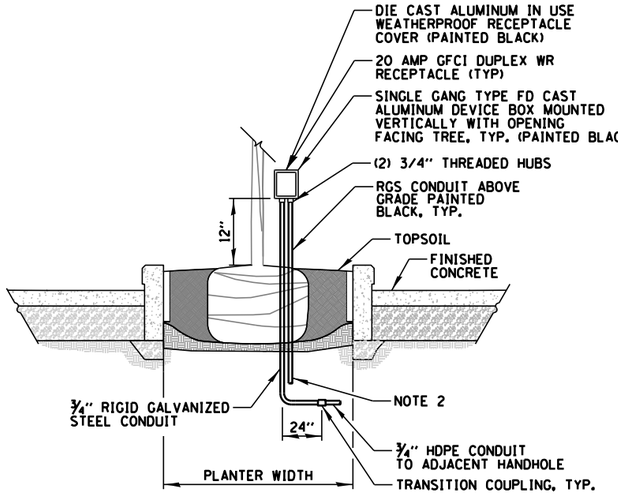


PLAN VIEW

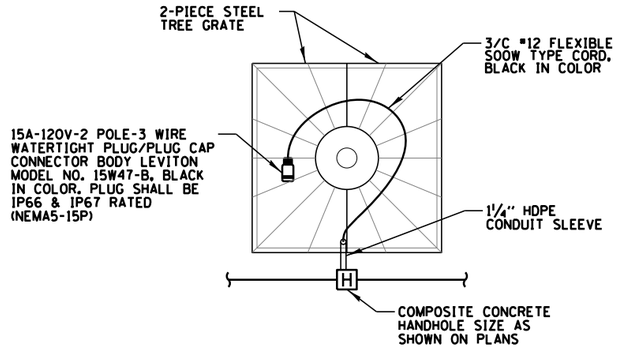


NOTES:

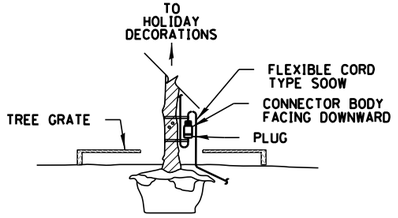
1. CONTRACTOR SHALL COORDINATE EXACT LOCATION, MOUNTING HEIGHT AND ORIENTATION OF ALL ITEMS WITH OWNER.
2. END OF RUN BOXES HAVE A VERTICAL ¾" RGS CONDUIT EMBEDDED A MINIMUM OF 30" BELOW GRADE FOR STABILIZATION.
3. ALL FITTINGS, CONNECTORS, FASTENERS, CONDUIT (FROM THE TRANSITION COUPLING TO THE RECEPTACLE), RECEPTACLE BOX/COVER AND RECEPTACLE SHALL BE INCLUDED, BUT NOT LIMITED TO THE CONTRACT UNIT PRICE FOR "GFCI 20 AMP DUPLEX RECEPTACLE", SEE SPECIAL PROVISION.

PLANTER BOX TREE RECEPTACLE DETAIL

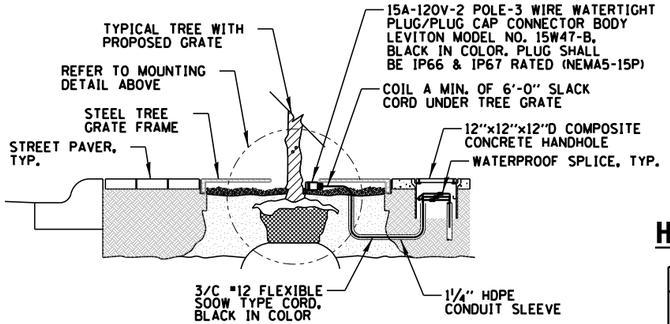
N.T.S.



PLAN VIEW



MOUNTING DETAIL FOR IN USE SERVICE

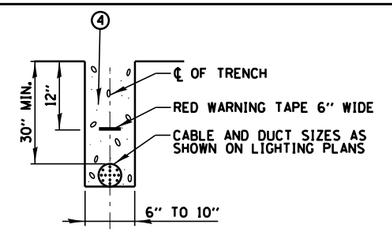


NOTES:

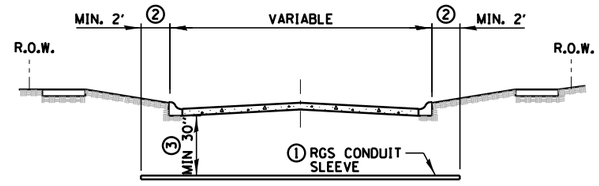
1. THE PROPOSED WATERTIGHT CORD CONNECTORS SHOWN SHALL BE USED IN CONJUCTION WITH ONLY CORRESPONDING LEVITON WATERTIGHT PLUG MODEL NO. 14W47-B, BLACK IN COLOR, RATED IN-USE PER NEC.
2. CONTRACTOR SHALL SUPPLY SEPARATE CORD SET, 10 FT. IN LENGTH AND BLACK IN COLOR, WITH MATCHING CONNECTOR ENDS (ONE END 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", SEE SPECIAL PROVISION. HANDHOLE SHALL BE PAID FOR SEPARATELY.

TREE GRATE RECEPTACLE CORD ASSEMBLY DETAIL

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.

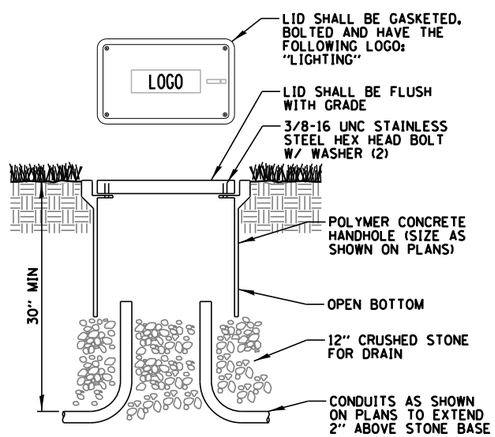
④ BACKFILL MATERIAL FOR TRENCHES IN THE SUBGRADE OF THE PROPOSED IMPROVEMENT, AND FOR TRENCHES OUTSIDE OF THE SUBGRADE WHERE THE INNER EDGE OF THE TRENCH IS WITHIN 2 FT OF THE EDGE OF THE PAVEMENT, CURB, GUTTER, CURB AND GUTTER, STABILIZED SHOULDER, OR SIDEWALK SHALL BE TRENCH BACKFILL.

ELECTRIC CONDUIT INSTALLATION

N.T.S.

HANDHOLE SCHEDULE

ID *	SIZE
HH1-HH11 HH13-HH27	12"x12"x12" DEEP
HH12	17"x30"x24" DEEP



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

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		DRAWN AJD, JRB	REVISED -
	PLOT SCALE = 40'	CHECKED AJD	REVISED -
Default	PLOT DATE = 11/9/2017	DATE 7/27/2017	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LIGHTING DETAILS (5 OF 6)

SCALE: N.T.S. | SHEET OF SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3524	10-00149-01-LS	COOK	69	47
		CONTRACT NO. 61E27		
		ILLINOIS FED. AID PROJECT		

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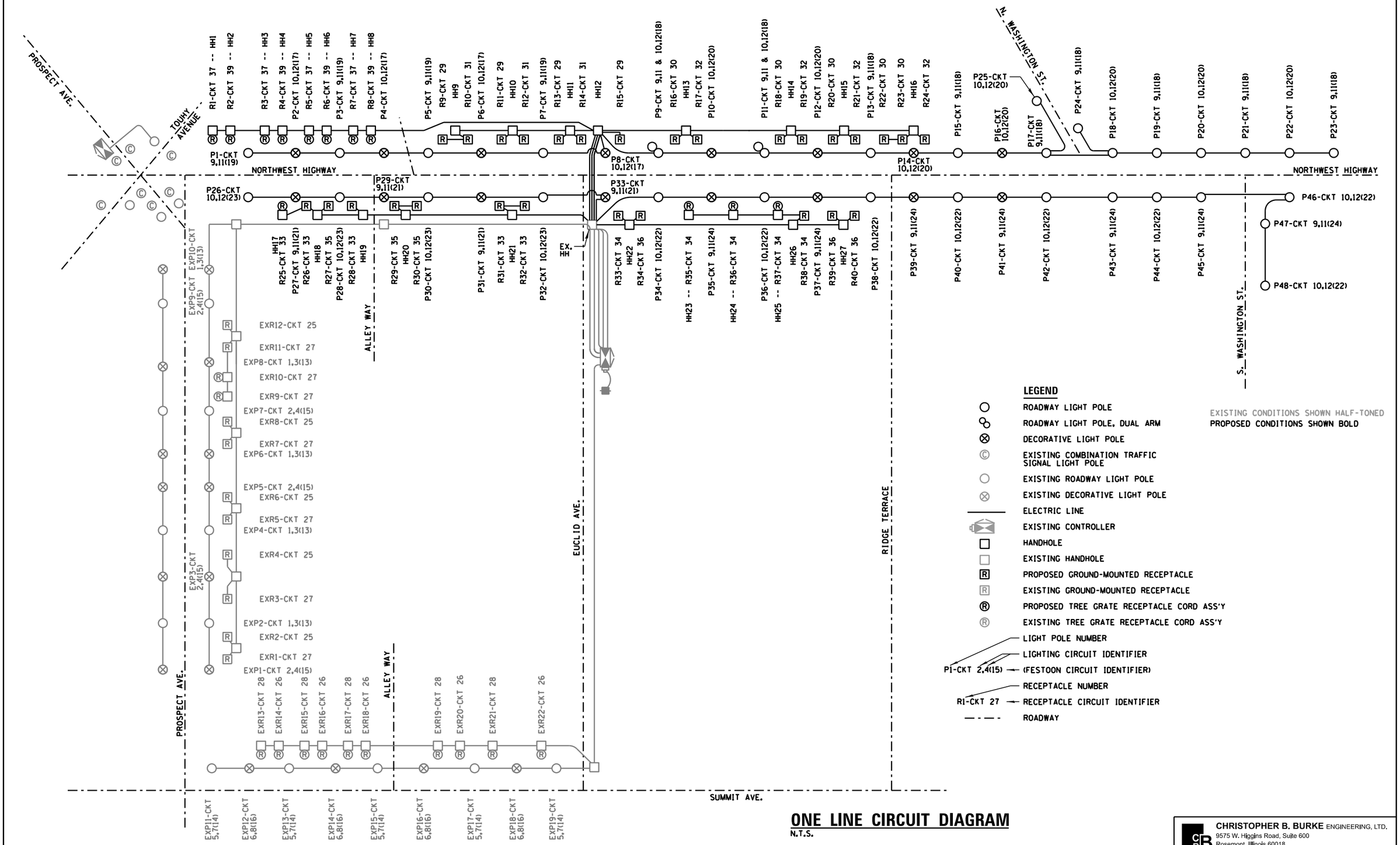

ONE LINE CIRCUIT DIAGRAM

N.T.S.

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		DRAWN AJD, JRB	REVISED -
	PLOT SCALE = 40'	CHECKED AJD	REVISED -
Default	PLOT DATE = 10/4/2017	DATE 7/27/2017	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LIGHTING DETAILS (6 OF 6)

SCALE: N.T.S. | SHEET OF SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3524	10-00149-01-LS	COOK	69	48

CONTRACT NO. 61E27

ILLINOIS FED. AID PROJECT

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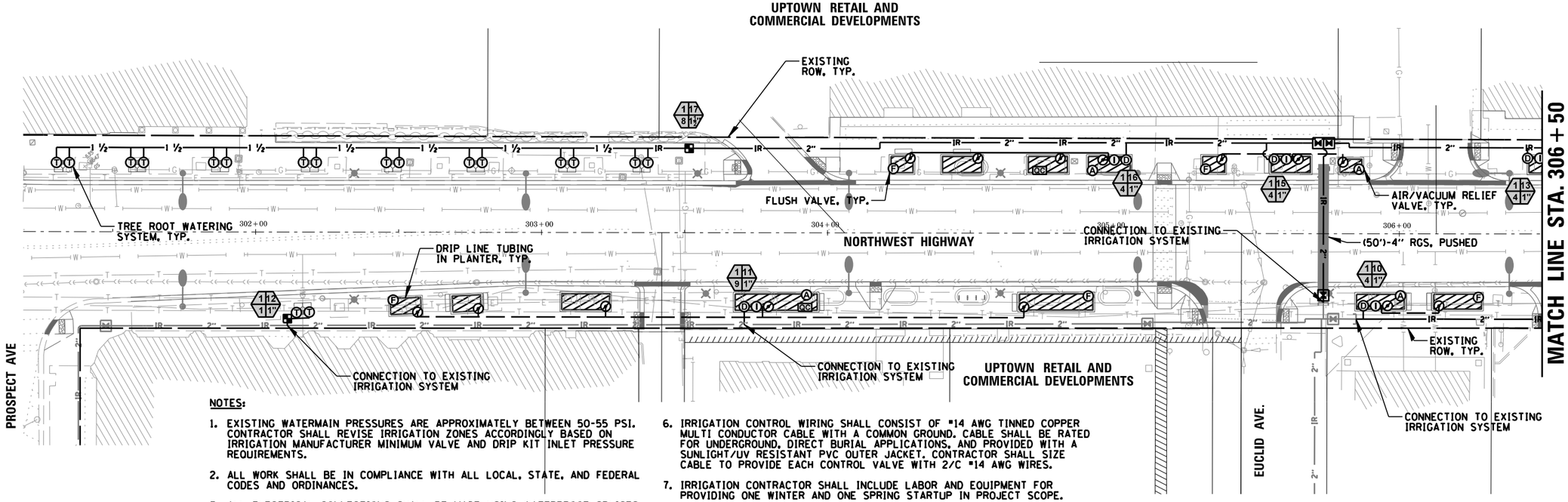
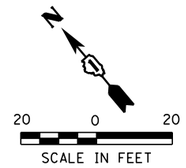
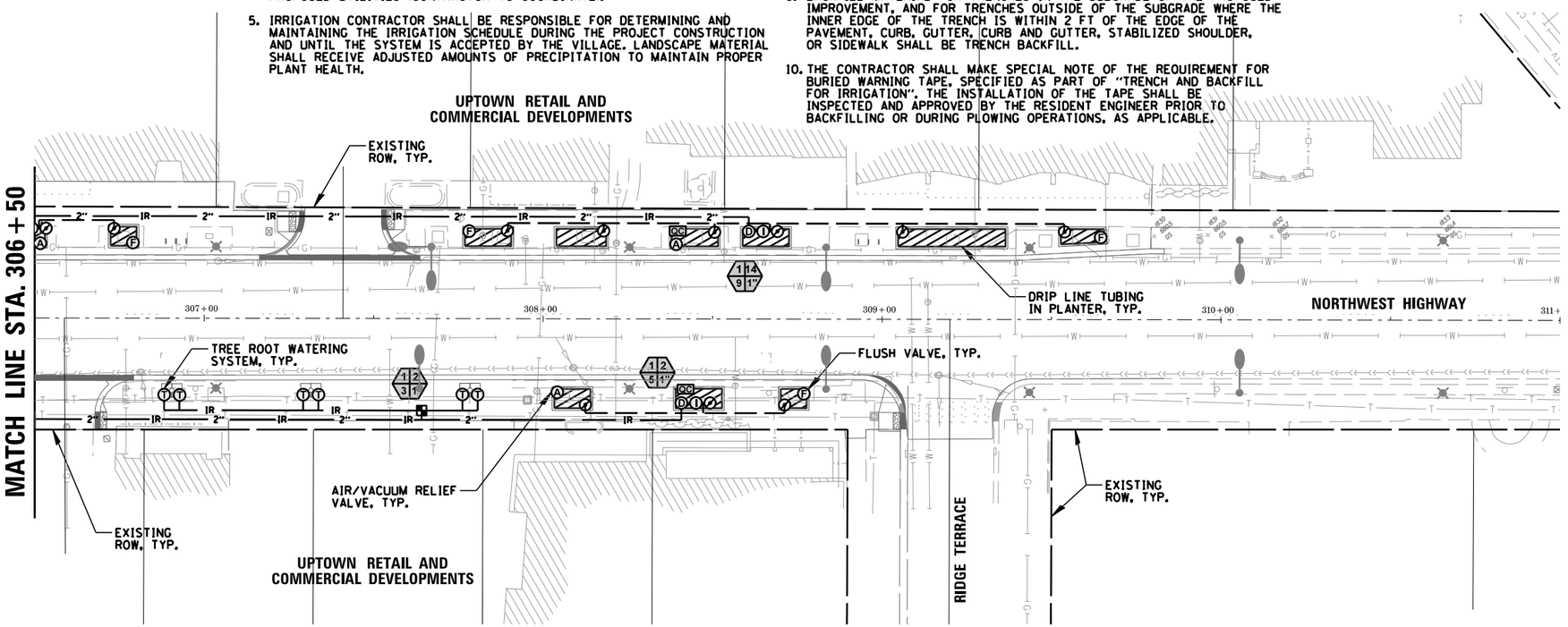


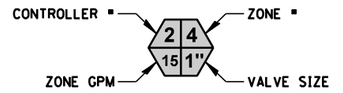


NOTES:

1. EXISTING WATERMAIN PRESSURES ARE APPROXIMATELY BETWEEN 50-55 PSI. CONTRACTOR SHALL REVISE IRRIGATION ZONES ACCORDINGLY BASED ON IRRIGATION MANUFACTURER MINIMUM VALVE AND DRIP KIT INLET PRESSURE REQUIREMENTS.
2. ALL WORK SHALL BE IN COMPLIANCE WITH ALL LOCAL, STATE, AND FEDERAL CODES AND ORDINANCES.
3. ALL ELECTRICAL CONNECTIONS SHALL BE MADE USING WATERPROOF SPLICES.
4. PIPE ROUTING IS SCHEMATIC. FINAL IRRIGATION PIPE AND CONTROL CONDUIT PLACEMENT SHALL BE LOCATED TO MINIMIZE CONFLICTS WITH EXISTING AND PROPOSED UTILITIES (CONTRACTOR TO COORDINATE).
5. IRRIGATION CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING AND MAINTAINING THE IRRIGATION SCHEDULE DURING THE PROJECT CONSTRUCTION AND UNTIL THE SYSTEM IS ACCEPTED BY THE VILLAGE. LANDSCAPE MATERIAL SHALL RECEIVE ADJUSTED AMOUNTS OF PRECIPITATION TO MAINTAIN PROPER PLANT HEALTH.
6. IRRIGATION CONTROL WIRING SHALL CONSIST OF #14 AWG TINNED COPPER MULTI CONDUCTOR CABLE WITH A COMMON GROUND. CABLE SHALL BE RATED FOR UNDERGROUND, DIRECT BURIAL APPLICATIONS, AND PROVIDED WITH A SUNLIGHT/UV RESISTANT PVC OUTER JACKET. CONTRACTOR SHALL SIZE CABLE TO PROVIDE EACH CONTROL VALVE WITH 2/C #14 AWG WIRES.
7. IRRIGATION CONTRACTOR SHALL INCLUDE LABOR AND EQUIPMENT FOR PROVIDING ONE WINTER AND ONE SPRING STARTUP IN PROJECT SCOPE.
8. IRRIGATION PIPE & VALVES SHALL BE LOCATED A MINIMUM OF 6" BEHIND THE BACK OF CURB.
9. BACKFILL MATERIAL FOR TRENCHES IN THE SUBGRADE OF THE PROPOSED IMPROVEMENT, AND FOR TRENCHES OUTSIDE OF THE SUBGRADE WHERE THE INNER EDGE OF THE TRENCH IS WITHIN 2 FT OF THE EDGE OF THE PAVEMENT, CURB, GUTTER, CURB AND GUTTER, STABILIZED SHOULDER, OR SIDEWALK SHALL BE TRENCH BACKFILL.
10. THE CONTRACTOR SHALL MAKE SPECIAL NOTE OF THE REQUIREMENT FOR BURIED WARNING TAPE, SPECIFIED AS PART OF "TRENCH AND BACKFILL FOR IRRIGATION". THE INSTALLATION OF THE TAPE SHALL BE INSPECTED AND APPROVED BY THE RESIDENT ENGINEER PRIOR TO BACKFILLING OR DURING PLOWING OPERATIONS, AS APPLICABLE.



IRRIGATION LEGEND



IR	1" SDR 21 PVC IRRIGATION MAINLINE PIPE, UNLESS OTHERWISE SHOWN
IR	EXISTING SDR 21 PVC IRRIGATION MAINLINE PIPING
	1" SDR 21 PVC IRRIGATION LATERAL PIPE, UNLESS OTHERWISE SHOWN
E	1" SCH 40 PVC CONDUIT WITH IRRIGATION CONTROL WIRING (SEE NOTE 6, OR AS OTHERWISE SHOWN)
	DRIP LINE TUBING
H	11"x18"x18"D COMPOSITE CONCRETE HANDHOLE WITH IRRIGATION LOGO
D	DRIP CONTROL ZONE KIT
I	POP-UP OPERATION INDICATOR
	TRANSITION POINT TO DRIPLINE TUBING WITH 0.9-1.0 GPH EMITTERS SPACED AT 12" OC
T	TREE ROOT WATERING SYSTEM
B	MANUAL ISOLATION VALVE
	AUTOMATIC CONTROL VALVE
QC	QUICK COUPLER
F	FLUSH VALVE AUTOMATIC
A	AIR/VACUUM RELIEF VALVE
E	RIGID GALVANIZED STEEL SLEEVE

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FILE NAME =	USER NAME = adericco	DESIGNED AJD	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED IRRIGATION PLAN
		DRAWN AJD, JRB	REVISED -		
Default	PLOT SCALE = 40'	CHECKED AJD	REVISED -		
	PLOT DATE = 10/5/2017	DATE 7/27/2017	REVISED -		

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3524	10-00149-01-LS	COOK	69	49
		CONTRACT NO. 61E27		
		ILLINOIS	FED. AID PROJECT	

SCALE: SHEET OF SHEETS STA. TO STA.

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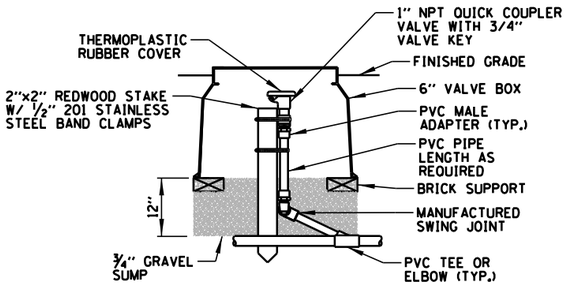
IRRIGATION BILL OF MATERIALS

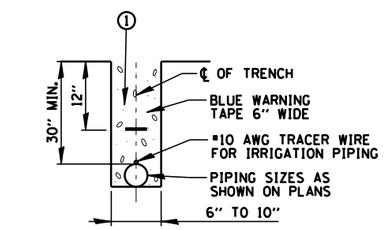
(PAID AS IRRIGATION SYSTEM SPECIAL)

DESCRIPTION	QUANTITY	UNIT
DRIP TUBING (0.9-1.0 GPH, 12" EMIT. SPACE, 12" LAT. SPACE)	1900	FOOT
1" SDR 21 PVC WATER PIPING	1200	FOOT
1.5" SDR 21 PVC WATER PIPING	400	FOOT
2" SDR 21 PVC WATER PIPING	1000	FOOT
4" RIGID GALVANIZED STEEL, PUSHED	50	FOOT
AIR VACUUM VALVE	6	EACH
INDICATOR	6	EACH
FLUSH POINTS	8	EACH
AUTOMATIC ELECTRIC CONTROL VALVE	3	EACH
MANUAL ISOLATION VALVE	3	EACH
DRIP ZONE CONTROL KITS	6	EACH
QUICK COUPLER	4	EACH
ROUND VALVE BOX	24	EACH
COMPOSITE CONCRETE HANDHOLE	11	EACH
TREE ROOT WATERING SYSTEMS	24	EACH
TRENCH & BACKFILL FOR IRRIGATION	90	CU YD
CONNECTION TO EXISTING SYSTEM	4	EACH
MODIFY EXISTING IRRIGATION CONTROLLER	1	EACH
1/C #14 CONTROL WIRE	3000	FOOT
1" SCH 40 PVC	750	FOOT



QUICK COUPLING VALVE DETAIL

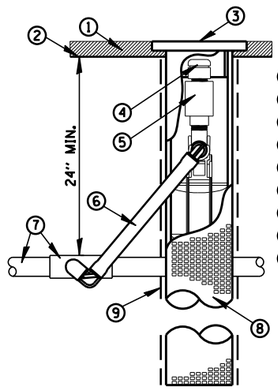
N.T.S.



① BACKFILL MATERIAL FOR TRENCHES IN THE SUBGRADE OF THE PROPOSED IMPROVEMENT, AND FOR TRENCHES OUTSIDE OF THE SUBGRADE WHERE THE INNER EDGE OF THE TRENCH IS WITHIN 2 FT OF THE EDGE OF THE PAVEMENT, CURB, GUTTER, CURB AND GUTTER, STABILIZED SHOULDER, OR SIDEWALK SHALL BE TRENCH BACKFILL.

PIPING IN TRENCH DETAIL

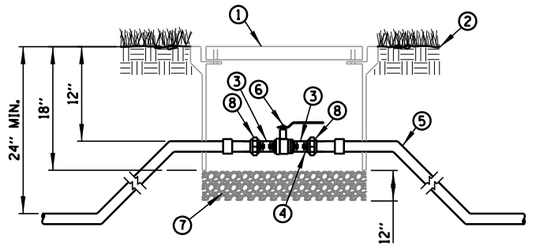
N.T.S.



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

18" ROOT WATERING SYSTEM

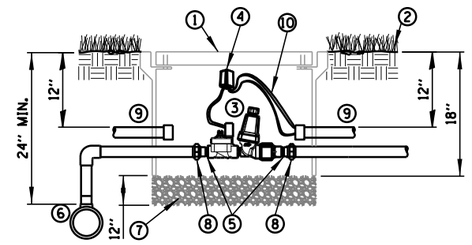
N.T.S.



① 11"x18"x18"D COMPOSITE CONCRETE HANDHOLE WITH TIER 8 RATING AND A BOLTED GASKETED LID AND "IRRIGATION" LOGO.
② FINISH GRADE
③ SCH 80 T.O.E. NIPPLE
④ SCH 80 NIPPLE
⑤ MAIN LINE PIPE & FITTINGS
⑥ FULL PORT BALL VALVE FOR 3" AND SMALLER, RESILIENT WEDGE GATE VALVE FOR 4" AND LARGER
⑦ 3/4" MINUS WASHED GRAVEL
⑧ PVC SLIP UNIONS

MANUAL ISOLATION VALVE DETAIL

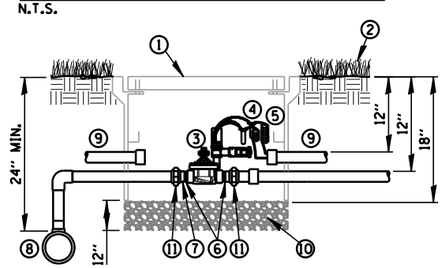
N.T.S.



① 11"x18"x18"D COMPOSITE CONCRETE HANDHOLE WITH A TIER 8 RATING AND A BOLTED/GASKETED LID WITH AN "IRRIGATION" LOGO.
② FINISH GRADE
③ DRIP ZONE KIT WITH COMMERCIAL TYPE, DC LATCHING SOLENOID, GLOBE CONTROL VALVE, FILTER, SS SCREEN AND PRESSURE REGULATOR
④ WATERPROOF SPLICE KIT
⑤ SCH 80 T.O.E. NIPPLE
⑥ MAIN LINE PIPE & FITTINGS
⑦ 3/4" MINUS WASHED GRAVEL
⑧ PVC SLIP UNIONS
⑨ 1" CONDUIT FOR CONTROL WIRES
⑩ 30" LENGTH OF IRRIGATION CONTROL WIRE COILED IN HANDHOLE

DRIP ZONE CONTROL VALVE

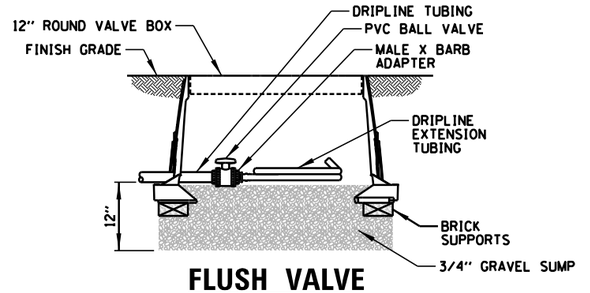
N.T.S.



① 11"x18"x18"D COMPOSITE CONCRETE HANDHOLE WITH TIER 8 RATING, BOLTED/GASKETED LID AND "IRRIGATION" LOGO.
② FINISH GRADE
③ REMOTE CONTROL VALVE, GLOBE TYPE, WITH DC LATCHING SOLENOID PRESSURE REGULATOR AND FILTER
④ WATERPROOF SPLICE KIT
⑤ 30" LENGTH OF IRRIGATION CONTROL WIRE COILED IN HANDHOLE
⑥ SCH 80 T.O.E. NIPPLE
⑦ SCH 80 NIPPLE
⑧ MAIN LINE PIPE & FITTINGS
⑨ 1" CONDUIT FOR CONTROL WIRES
⑩ 3/4" MINUS WASHED GRAVEL
⑪ PVC SLIP UNIONS

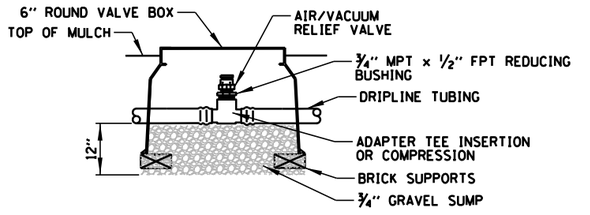
AUTOMATIC CONTROL VALVE DETAIL

N.T.S.



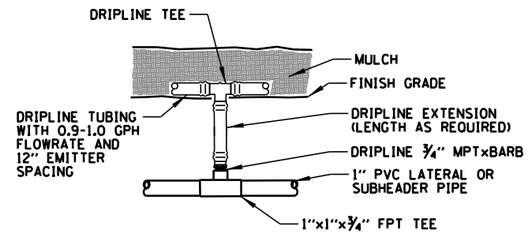
FLUSH VALVE

N.T.S.



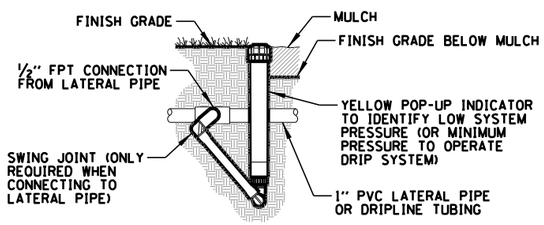
AIR /VACUUM RELIEF VALVE

N.T.S.



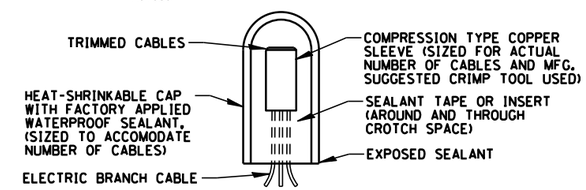
DRIPLINE CONNECTION ABOVE GRADE

N.T.S.



OPERATION INDICATOR

N.T.S.



WATERPROOF SPLICE

N.T.S.

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

FILE NAME =	USER NAME = adericco	DESIGNED AJD	REVISED -
		DRAWN AJD, JRB	REVISED -
	PLOT SCALE = 40'	CHECKED AJD	REVISED -
Default	PLOT DATE = 10/5/2017	DATE 7/27/2017	REVISED -

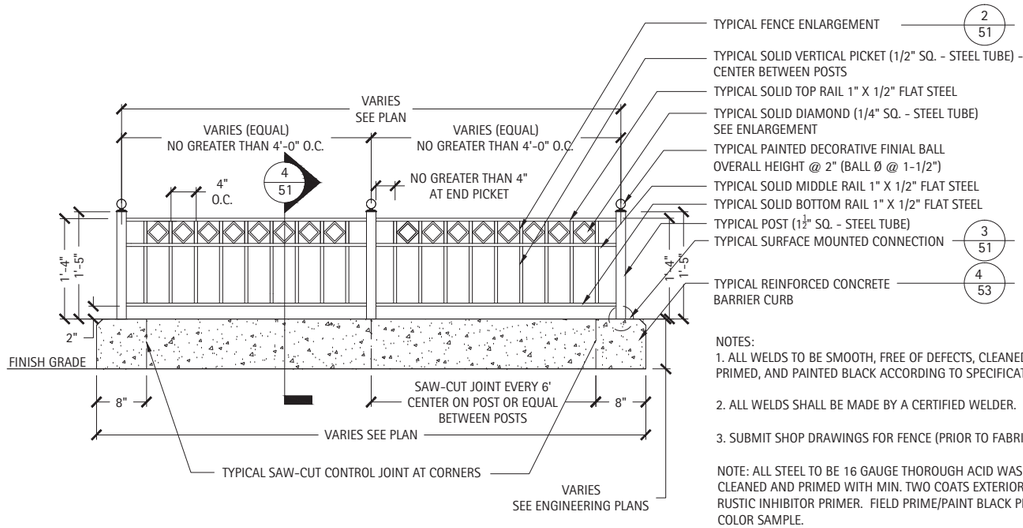
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED IRRIGATION DETAILS

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3524	10-00149-01-LS	COOK	69	50
		CONTRACT NO. 61E27		
	ILLINOIS FED. AID PROJECT			

\\CBBELSRVR1\cbbeldft\spaceco\100362.0000\Mech\13_IDT_100362BG01.sht



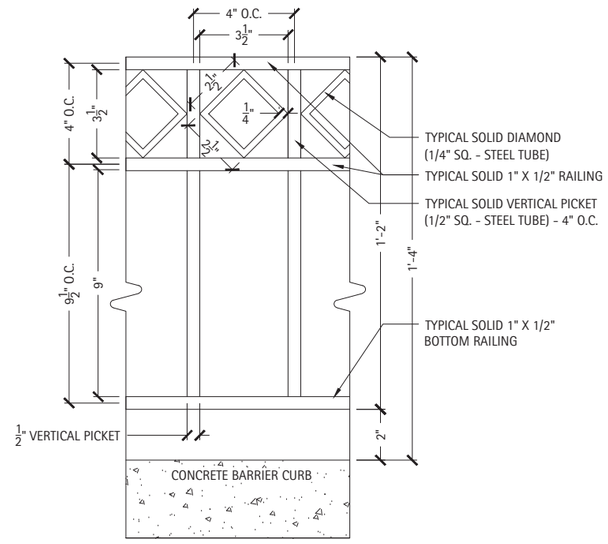
NOTES:
1. ALL WELDS TO BE SMOOTH, FREE OF DEFECTS, CLEANED, PRIMED, AND PAINTED BLACK ACCORDING TO SPECIFICATIONS.

2. ALL WELDS SHALL BE MADE BY A CERTIFIED WELDER.

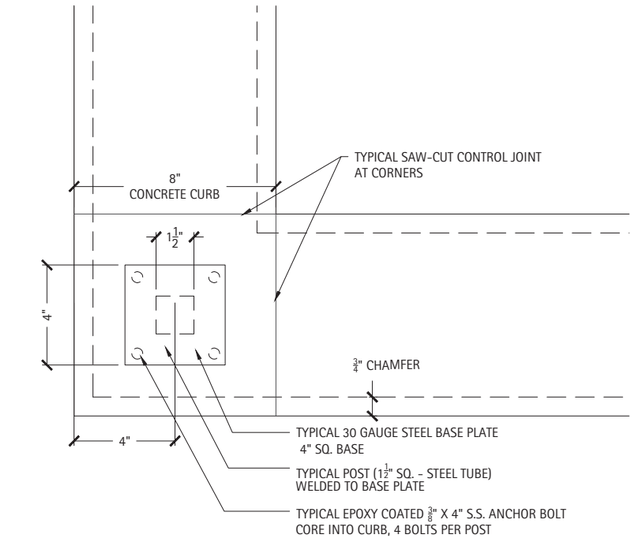
3. SUBMIT SHOP DRAWINGS FOR FENCE (PRIOR TO FABRICATION)

NOTE: ALL STEEL TO BE 16 GAUGE THOROUGH ACID WASHED AND CLEANED AND PRIMED WITH MIN. TWO COATS EXTERIOR GRADE RUSTIC INHIBITOR PRIMER. FIELD PRIME/PAINT BLACK PER APPROVED COLOR SAMPLE.

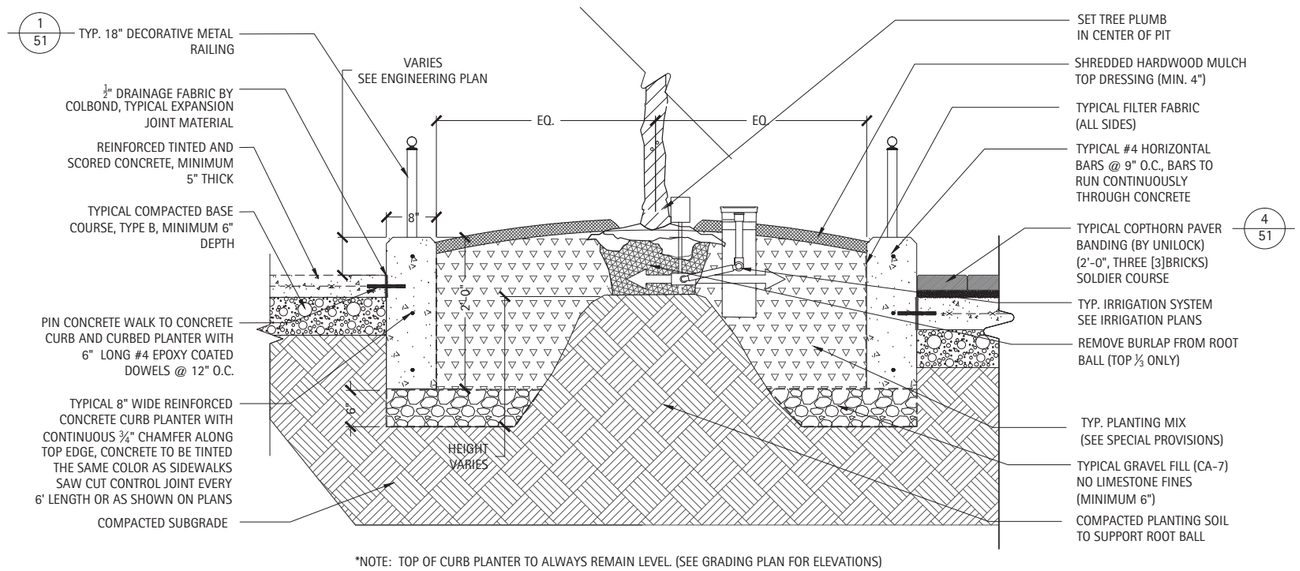
1 Typical Decorative Metal Railing Detail
Scale: 1"=1'-0"



2 Typical Fence Enlargement
Scale: 1/4"=1'-0"



3 Typical Post Connection Detail
Scale: 1/4"=1'-0"



*NOTE: TOP OF CURB PLANTER TO ALWAYS REMAIN LEVEL. (SEE GRADING PLAN FOR ELEVATIONS)

4 Typical Concrete Curb Planter Detail
Scale: 1"=1'-0"

ALL PRUNING MUST BE DONE AFTER PLANTING, AND AT THE DIRECTION OF THE ENGINEER. ROOT COLLAR SHALL BE SET SO THAT AFTER SOIL SETTLES, THE TOP OF THE BALL SHALL BE AT THE SAME ELEVATION AS FINISHED GRADE.

FINAL BALL ELEVATION AND PLANTER BED GRADING AS DIRECTED BY ENGINEER. WHEN SOIL CONDITIONS ARE ENCOUNTERED WITH POOR DRAINAGE, LANDSCAPE CONTRACTOR SHALL NOTIFY ENGINEER. LANDSCAPE CONTRACTOR SHALL ELABORATE AND PREPARE RECOMMENDATIONS FOR SOLUTION TO PROBLEM.

TREE SUPPORTS (3 PER TREE) SHALL BE GALVANIZED TURNBUCKLES WITH DOUBLE-STRANDED TWELVE (12) GAUGE GALVANIZED WIRE TIES AT TWELVE INCH (12") INTERVALS. GUYS ARE OPTIONAL AT THE DISCRETION OF THE ENGINEER.

PROVIDE DRAINAGE DETAIL WHERE NECESSARY AS DICTATED BY SITE CONDITIONS. CONNECT TO STORM SYSTEM AS PER ENGINEER'S GRADING AND DRAINAGE PLANS.

SCALE 1" = 1'
0 1 2

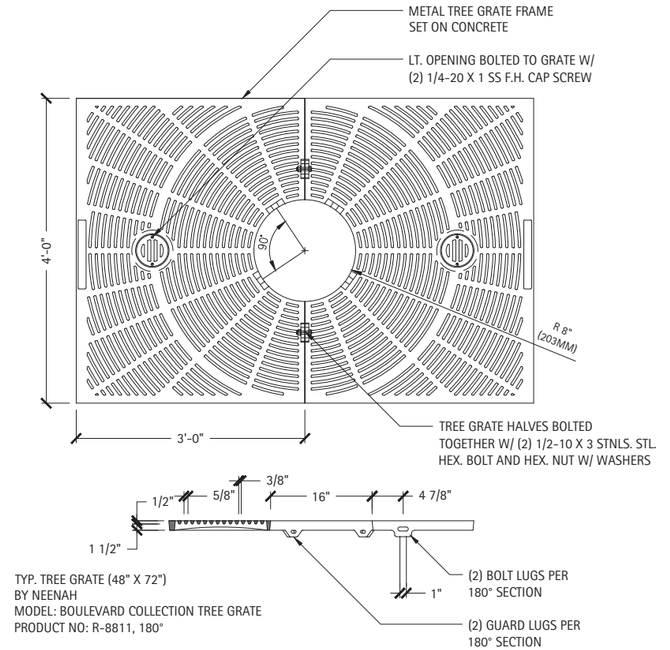
FILE NAME = $FILES$	USER NAME = $USER$	DESIGNED —	REVISED —
		DRAWN —	REVISED —
	PLOT SCALE = $SCALE$	CHECKED —	REVISED —
	PLOT DATE = $DATE$	DATE —	REVISED —

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLANTER DETAILS

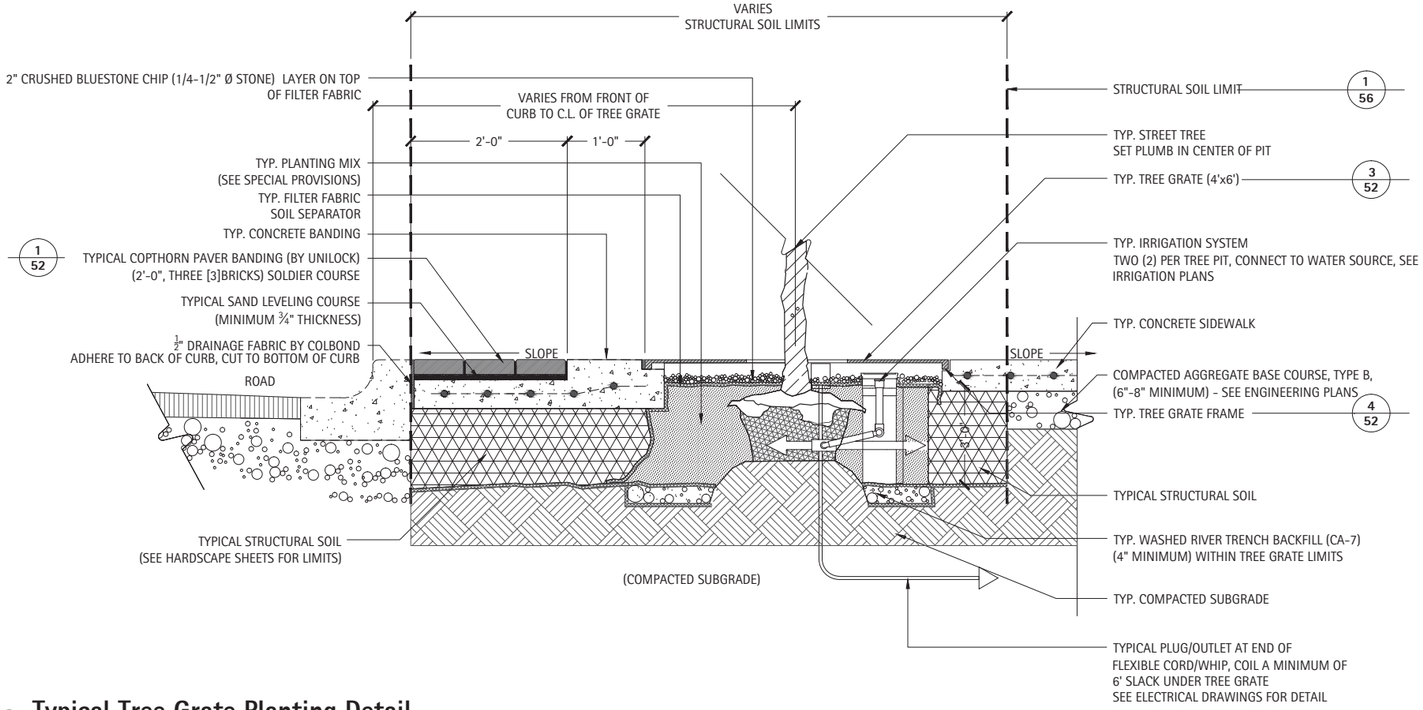
SCALE: AS SHOWN | SHEET OF SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3524	10-00149-01-LS	COOK	69	51
		CONTRACT NO.61E27		
	ILLINOIS FED. AID PROJECT			



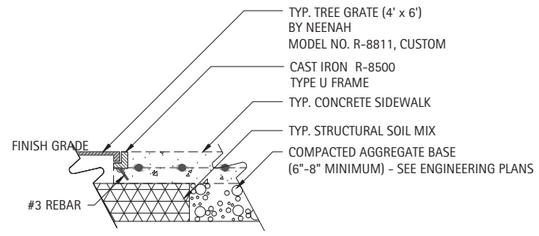
3 Typical Tree Grate - Natural Finish

Scale: 1"=1'-0"



2 Typical Tree Grate Planting Detail

Scale: 1"=1'-0"



4 Typical Type U Frame

Scale: 1"=1'-0"

SCALE 1" = 1'

0 1 2

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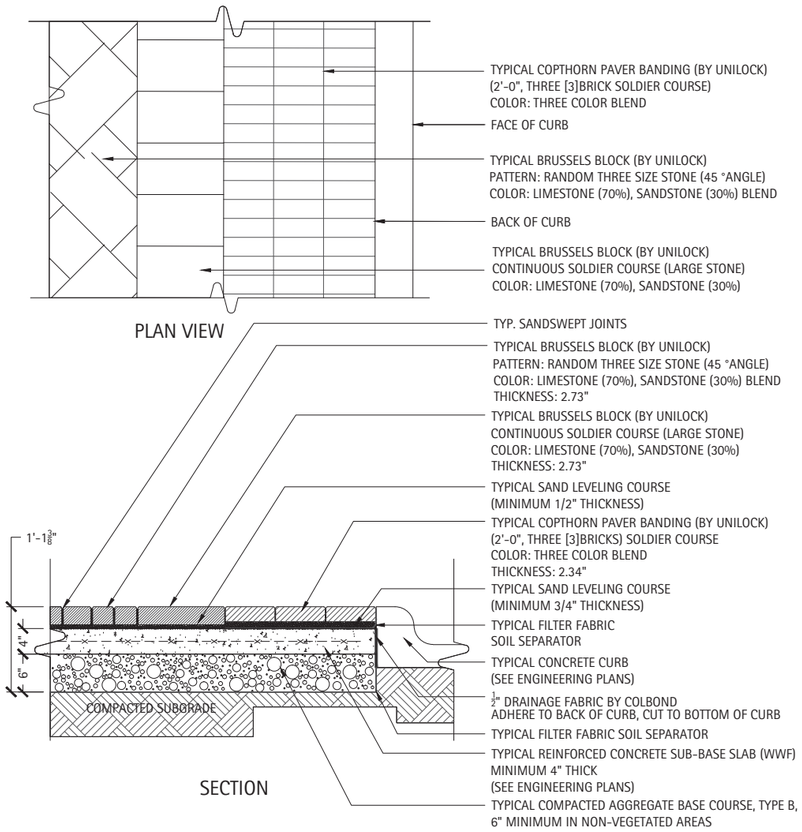
		DRAWN —	REVISED —
	PLOT SCALE = $SCALE$	CHECKED —	REVISED —
	PLOT DATE = $DATE$	DATE —	REVISED —

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TREE GRATE DETAILS

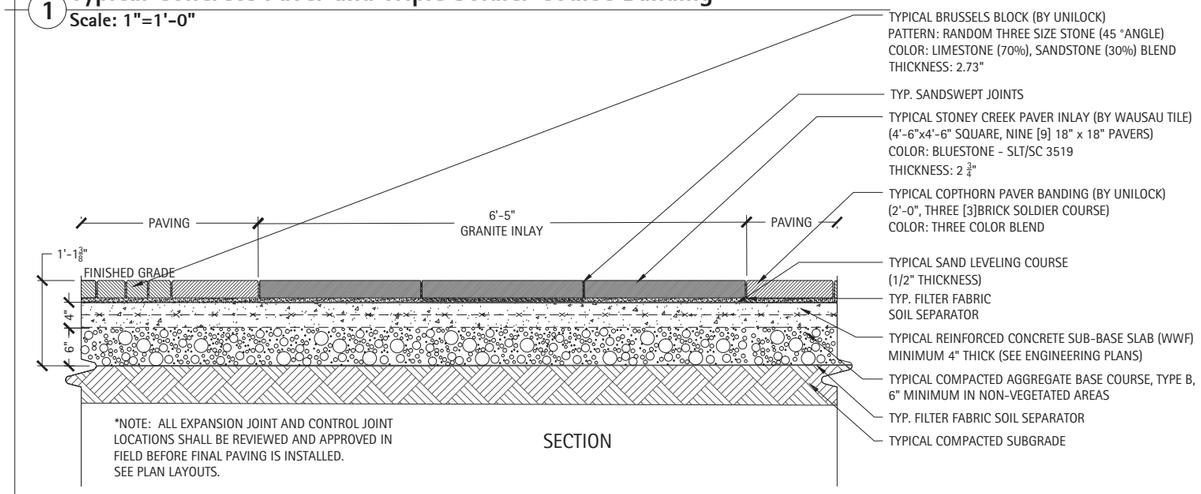
SCALE: AS SHOWN | SHEET OF SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3524	10-00149-01-LS	COOK	69	52
		CONTRACT NO.61E27		
	ILLINOIS FED. AID PROJECT			



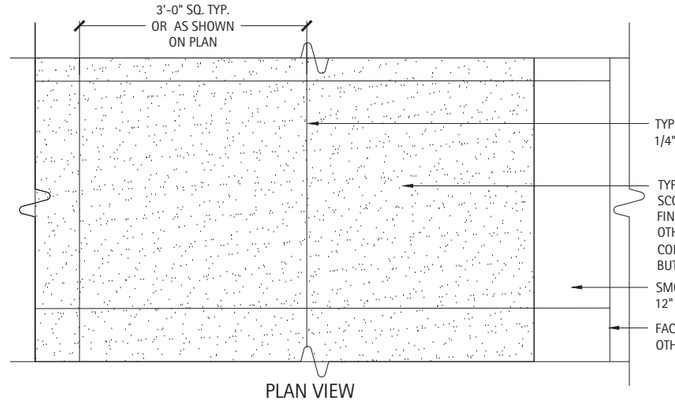
1 Typical Concrete Paver and Triple Soldier Course Banding

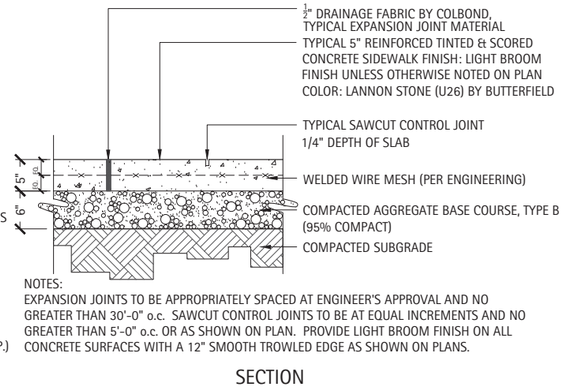
Scale: 1"=1'-0"



3 Typical Granite Paver Inlay

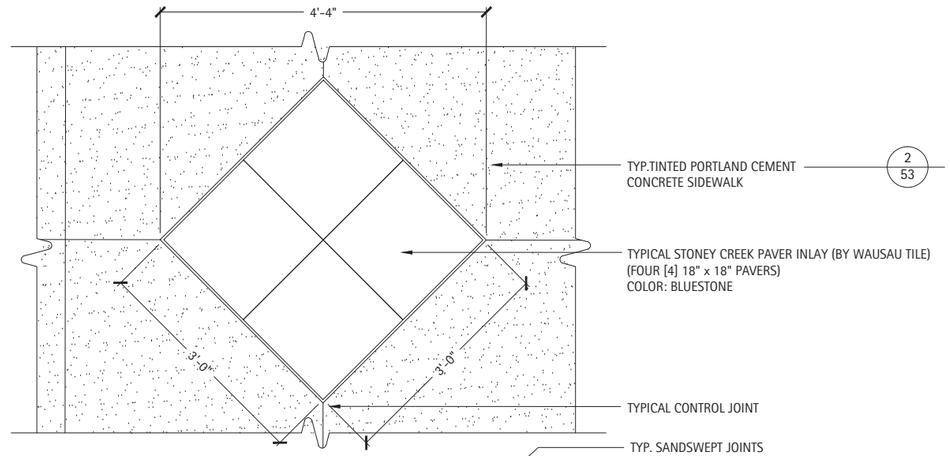
Scale: 1"=1'-0"

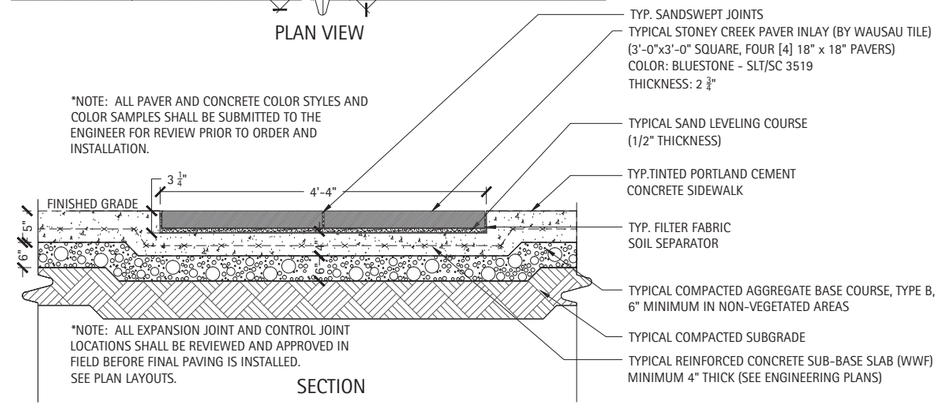




2 Typical Tinted Portland Cement Concrete Sidewalk

Scale: 1"=1'-0"





4 Typical Granite Paver Inlay

Scale: 1"=1'-0"

SCALE 1" = 1'

0 1 2

FILE NAME = $FILES$	USER NAME = $USER$	DESIGNED —	REVISED —	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVING DETAILS		
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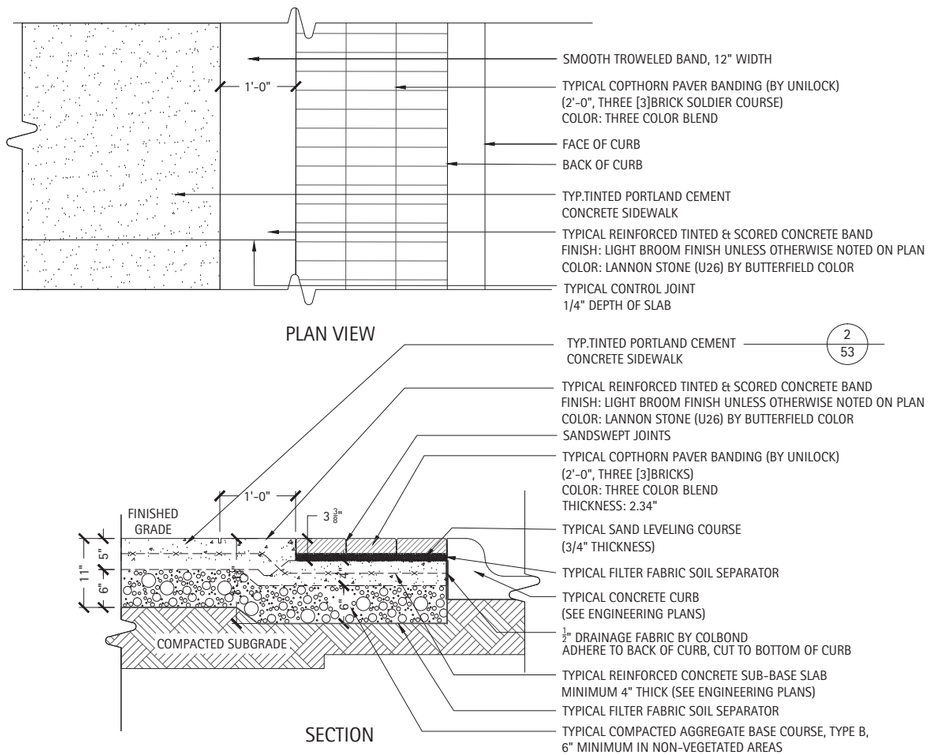
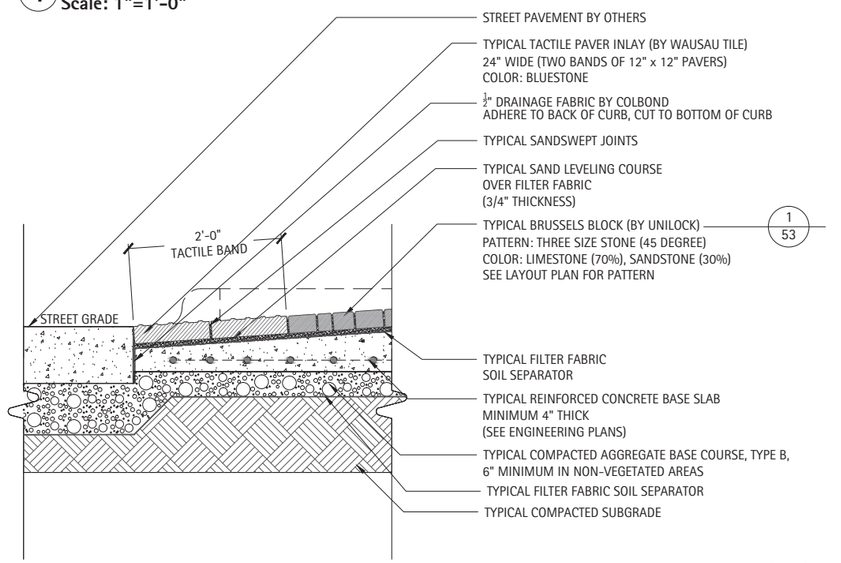
	PLOT SCALE = $SCALE$	CHECKED —	REVISED —				
	PLOT DATE = $DATE$	DATE —	REVISED —		SCALE: AS SHOWN	SHEET OF SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3524	10-00149-01-LS	COOK	69	53
		CONTRACT NO.61E27		
		ILLINOIS	FED. AID PROJECT	



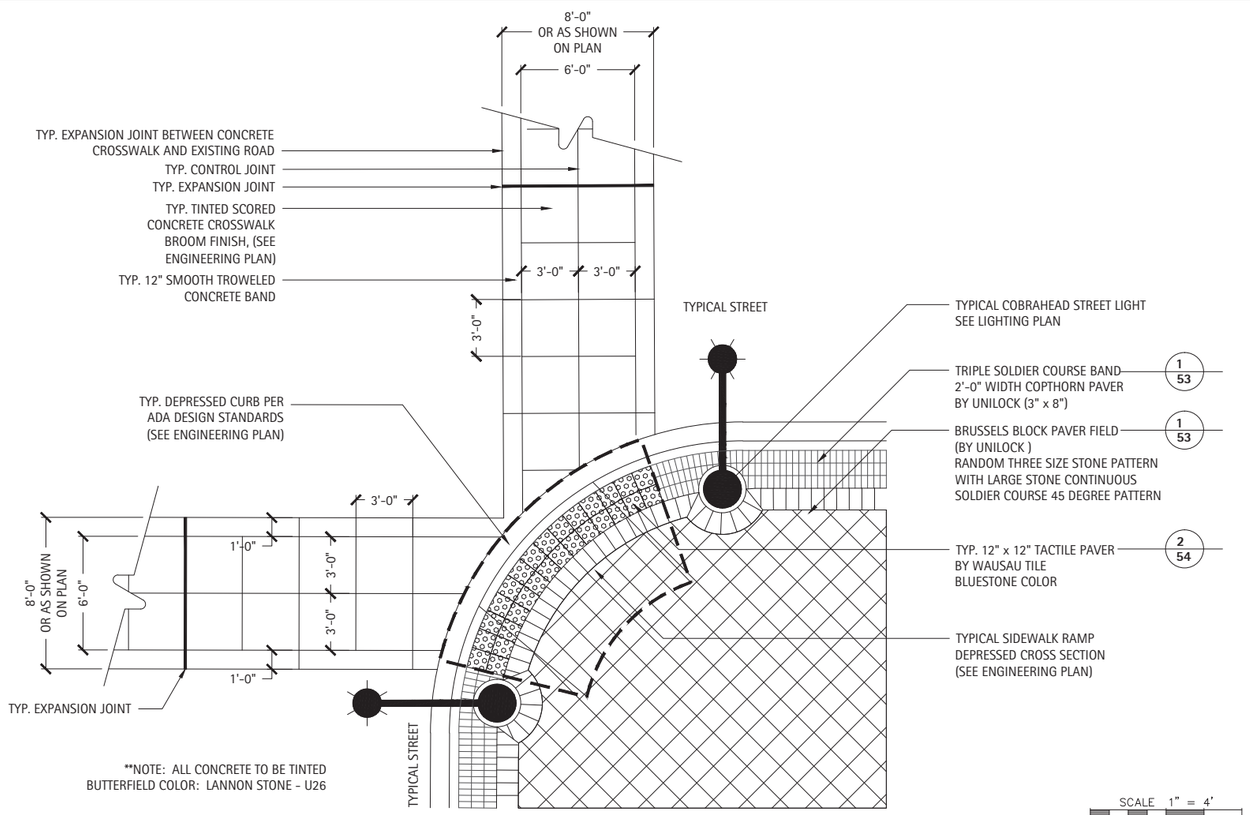
1 Typical Triple Soldier Course Band Paver

Scale: 1"=1'-0"



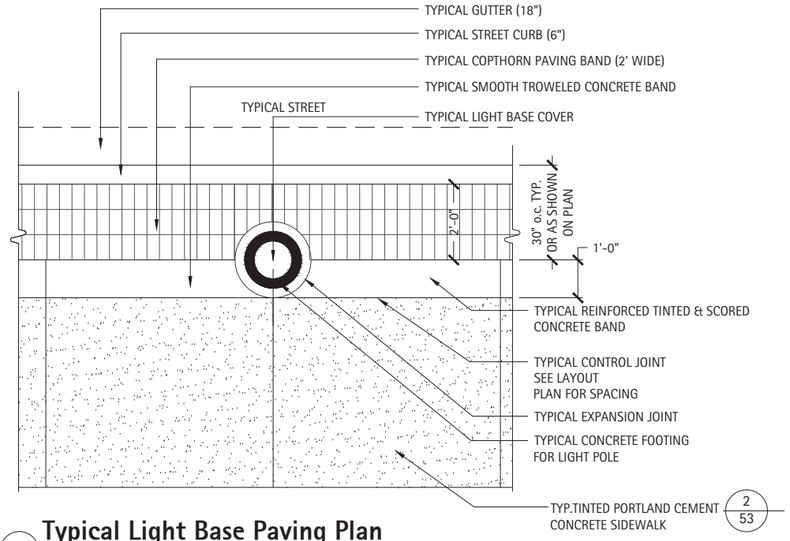
2 Typical Tactile Paver Banding

Scale: 1"=1'-0"



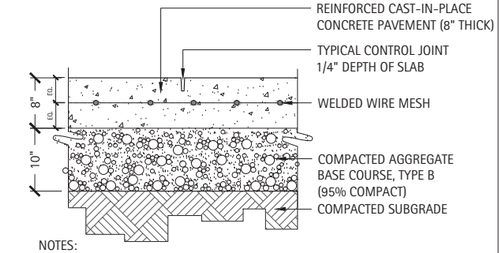
3 Typical Crosswalk Plan Detail

Scale: 1/4"=1'-0"



4 Typical Light Base Paving Plan

1/2" = 1'-0"



5 Typical Crosswalk Section Detail

Scale: 1"=1'-0"

SCALE 1" = 1'
0
1
2

FILE NAME = $FILES$	USER NAME = $USER$	DESIGNED —	REVISED —
		DRAWN —	REVISED —
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	PLOT DATE = $DATE$	DATE —	REVISED —

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

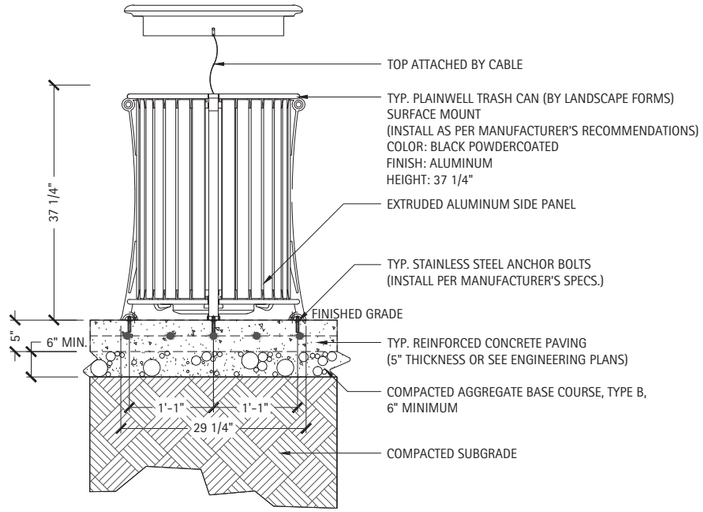
PAVING DETAILS

SCALE: AS SHOWN | SHEET OF SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3524	10-00149-01-LS	COOK	69	54
		CONTRACT NO.61E27		
	ILLINOIS FED. AID PROJECT			

SITE ELEMENTS SCHEDULE

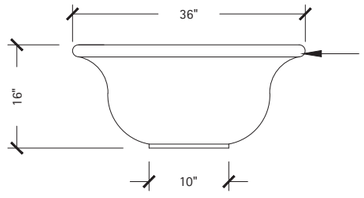
ITEM	MANUFACTURER AND MODEL	COLOR
BENCH - 6'	METAL PLAINWELL BENCH BY LANDSCAPE FORMS	BLACK POWDERCOAT
BENCH - 6'	BACKLESS BENCH BY VICTOR STANLEY	BLACK POWDERCOAT
TRASH RECEPTACLE	METAL TRASH RECEPTACLE BY LANDSCAPE FORMS	BLACK POWDERCOAT
BIKE RACK	METAL MBR 200 BIKE RACK BY MAGLIN - MBR 200	BLACK POWDERCOAT
MOVEABLE PLANTERS	KALYPSO PLANTER BY STONEWEAR - KB3616	NATURAL SAND



Over Concrete

Over Paver

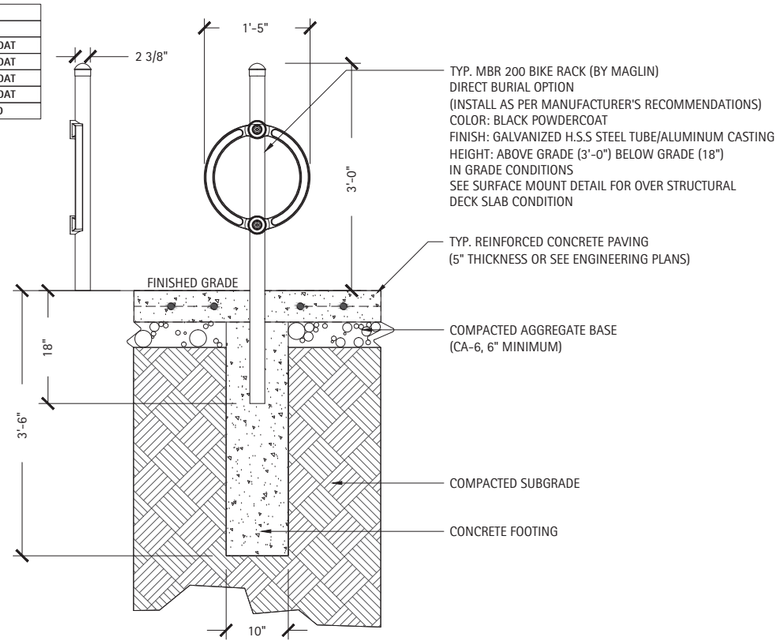
1 Typical Trash Receptacle
Scale: 1"=1'-0"



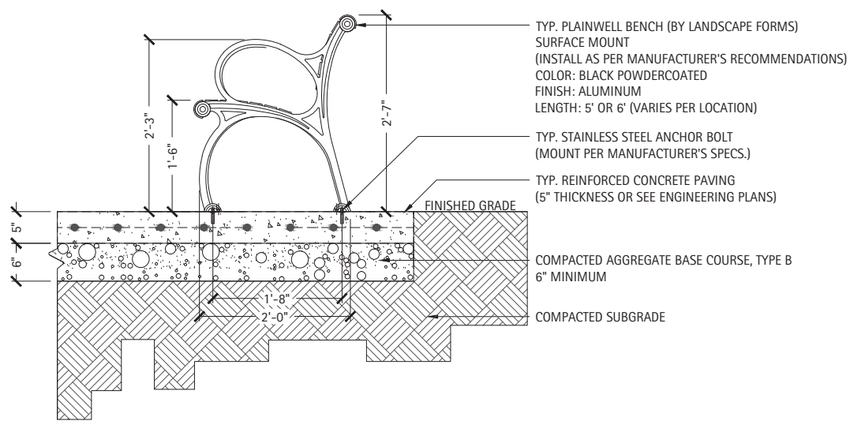
TYP. KALYPSO PLANTER BOWL (BY STONEWEAR)
MODEL #: KB3616 WITH WEEP HOLES
COLOR/FINISH: NATURAL SAND (NS30)
HEIGHT: 16"
DIAMETER: 36"
BASE: 10"
DRY WEIGHT: 72 LBS

* NOTE: THE COST OF PLANTER TO INCLUDE
PLANTING SOIL MIX AND DRAINAGE

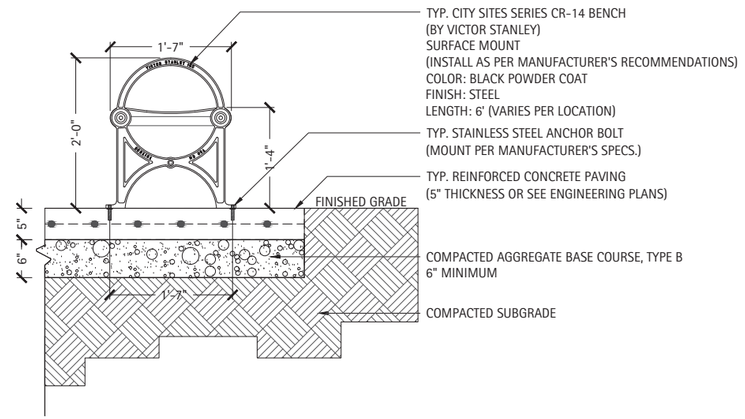
3 Typical Cast Moveable Planter
Scale: 1"=1'-0"



4 Typical Bike Rack
Scale: 1"=1'-0"



5 Typical Decorative Metal Bench
Scale: 1"=1'-0"



6 Typical Backless Metal Bench
Scale: 1"=1'-0"

SCALE 1" = 1'
0 1 2

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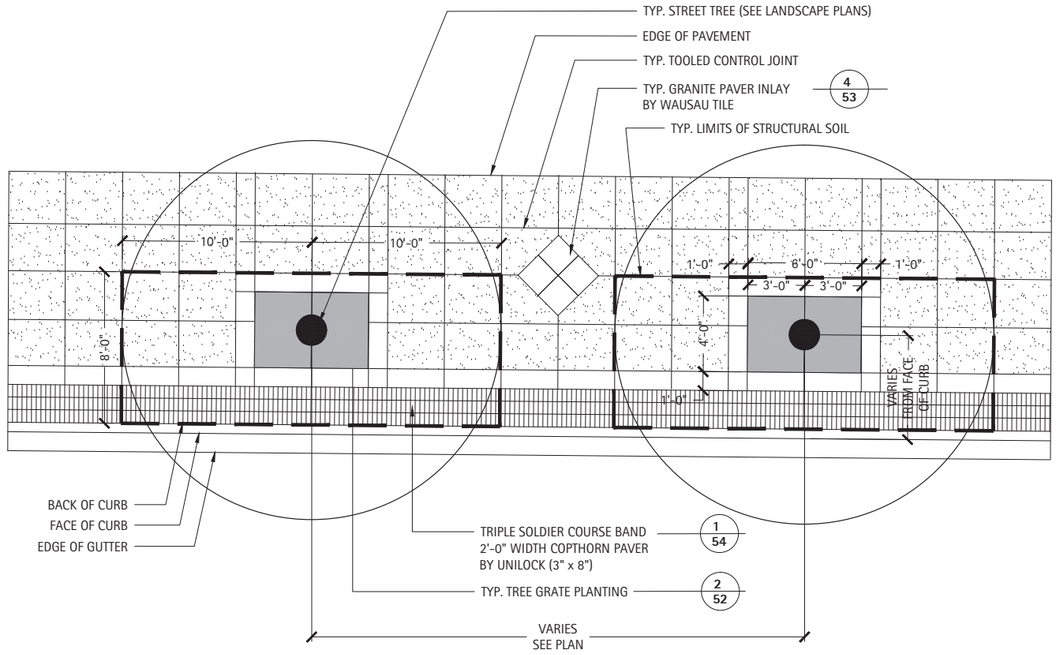
		DRAWN -	REVISED -
	PLOT SCALE = $SCALE$	CHECKED -	REVISED -
	PLOT DATE = $DATE$	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SITE DETAILS

SCALE: AS SHOWN | SHEET | OF | SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3524	10-00149-01-LS	COOK	69	55
		CONTRACT NO.61E27		
		ILLINOIS	FED. AID PROJECT	



1 Typical Concrete Paving and Structural Soil Limits at Tree Grate

Scale: 1/4"=1'-0"

SCALE 1" = 4'

0 4 8

FILE NAME = $FILES$	USER NAME = $USER$	DESIGNED —	REVISED —	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SITE DETAILS	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN —	REVISED —			3524	10–00149–01–LS	COOK	69	56
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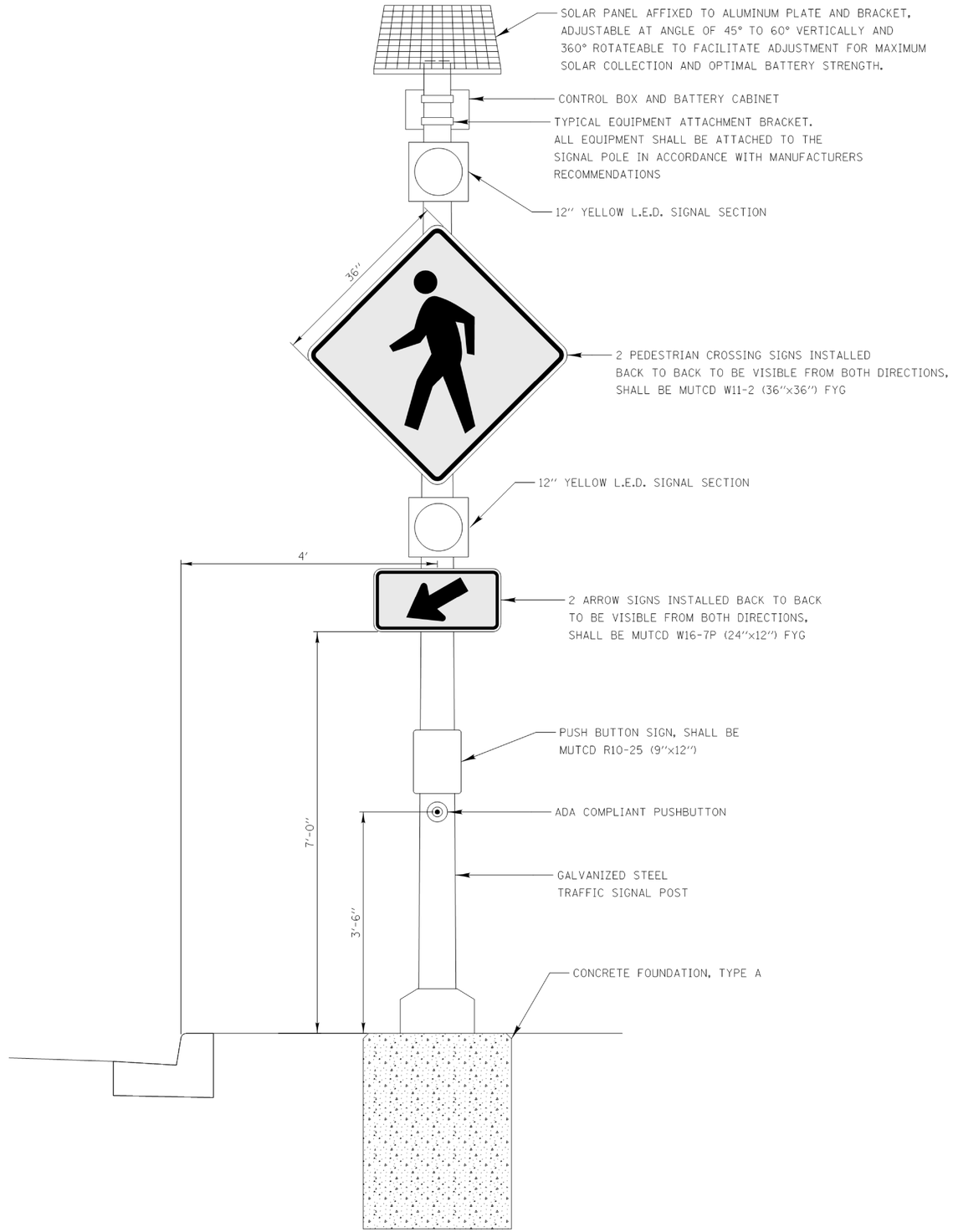

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		DRAWN -	REVISED -
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	PLOT DATE = 11/13/2017	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOLAR-POWERED FLASHING BEACON ASSEMBLY (COMPLETE)

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3524	10-00149-01-LS	COOK	69	57
		CONTRACT NO. 61E27		
	ILLINOIS	FED. AID PROJECT		

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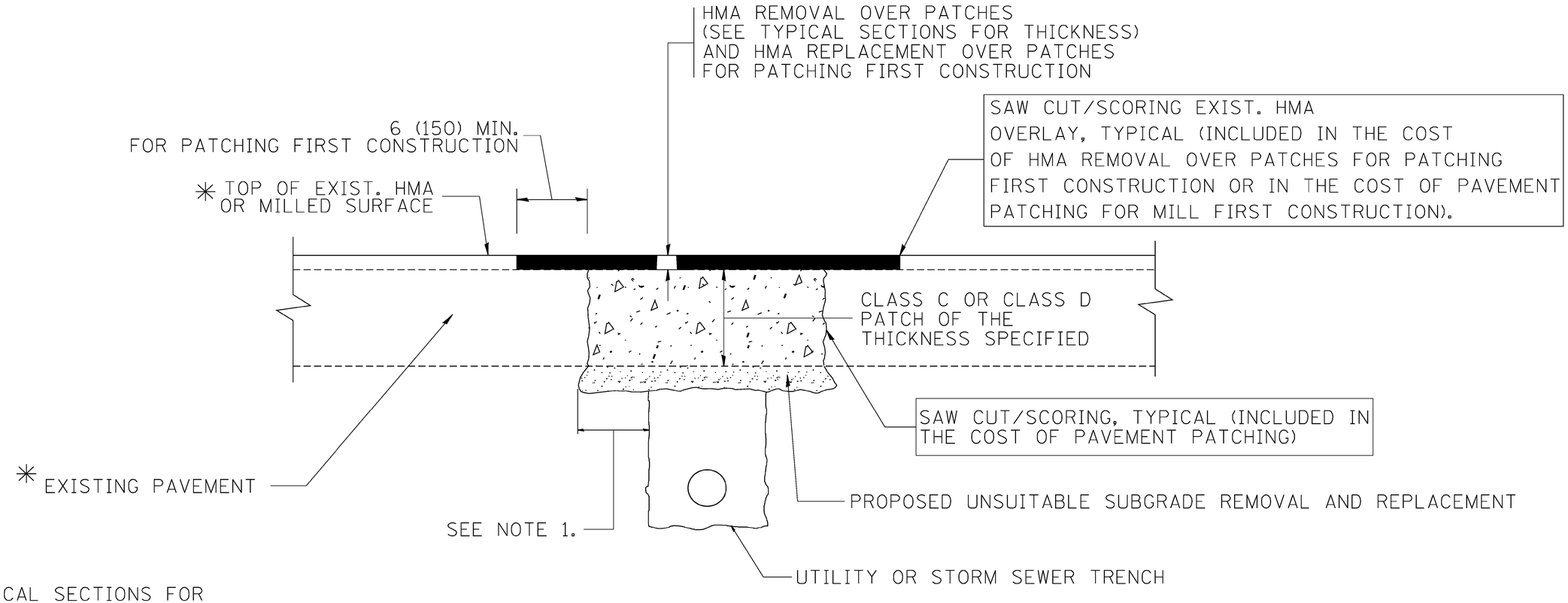

* SEE TYPICAL SECTIONS FOR THICKNESS AND MATERIALS

NOTES:

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

SEQUENCE OF CONSTRUCTION (PATCHING FIRST)

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

SEQUENCE OF CONSTRUCTION (MILLING FIRST)

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

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

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

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3524	10-00149-01-LS	COOK	69	58
	BD400-04 (BD-22)	CONTRACT NO. 61E27		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

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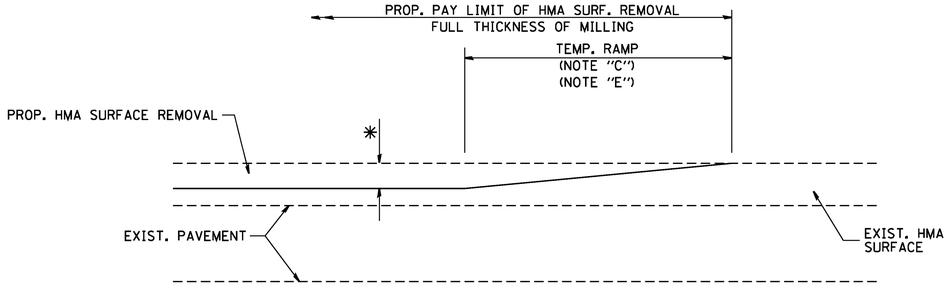
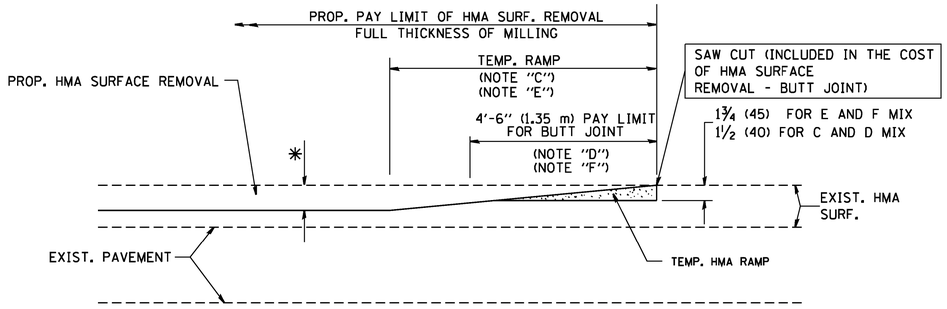


MILLED TEMPORARY RAMP

(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

OPTION 1

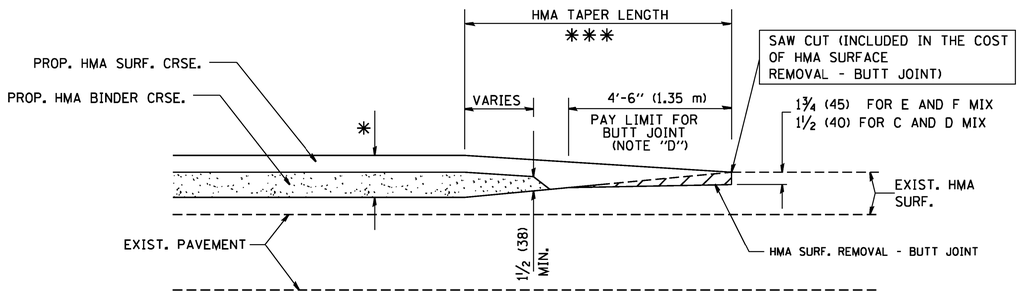


HMA CONSTRUCTED TEMPORARY RAMP

(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

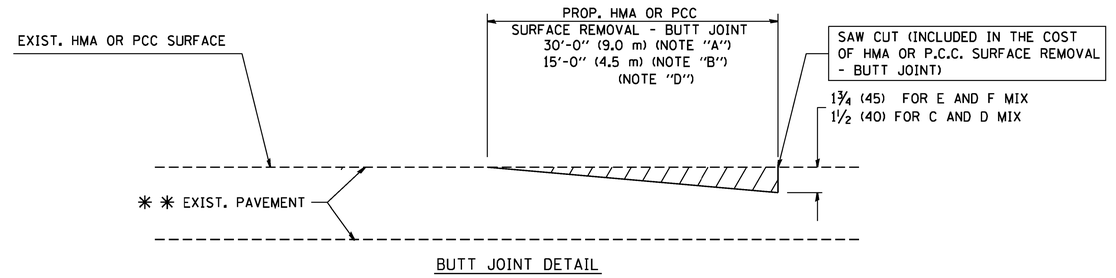
OPTION 2

TYPICAL TEMPORARY RAMP

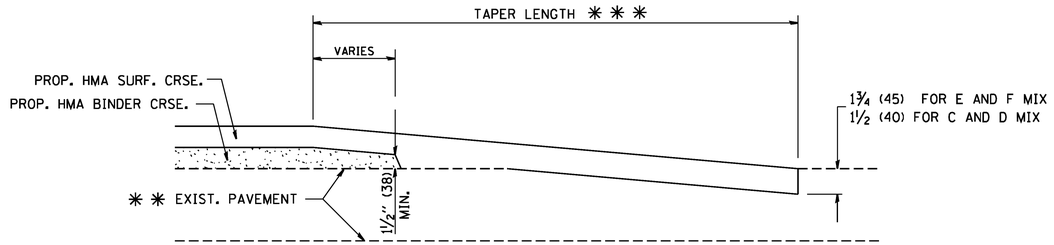


BUTT JOINT AND HMA TAPER

TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING



BUTT JOINT DETAIL



HMA TAPER DETAIL

TYPICAL BUTT JOINT AND HMA TAPER FOR RESURFACING ONLY

** PC CONCRETE, HMA OR HMA RESURFACED PAVEMENT.

NOTES

A: MAINLINE ROADWAYS AND MAJOR SIDE ROADS.

B: MINOR SIDE ROADS.

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

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

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

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

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

* SEE TYPICAL SECTIONS FOR MILLING THICKNESS.

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

BASIS OF PAYMENT:

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

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

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

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BUTT JOINT AND HMA TAPER DETAILS

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3524	10-00149-01-LS	COOK	69	59
	BD400-05 BD32	CONTRACT NO.	61E27	
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

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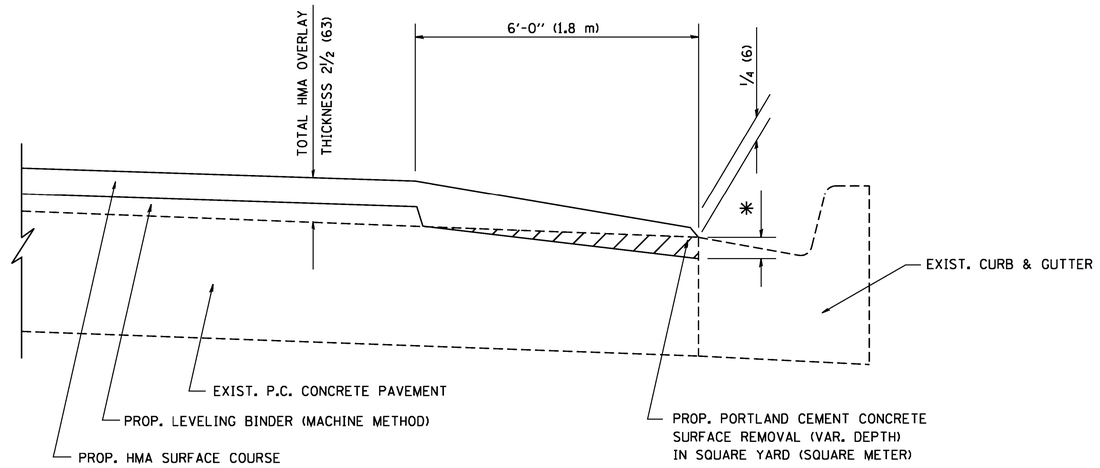

HMA TAPER AT EDGE OF P.C.C PAVEMENT

HMA SURFACE		LEVELING BINDER	
MIX	THICKNESS	THICKNESS	* MILLING AT GUTTER FLAG
C OR D	1½ (38)	1 (25)	1¼ (33)
F	1¾ (44)	¾ (19)	1½ (38)

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

FILE NAME = W:\diststd\22x34\bd33.dgn	USER NAME = gaglianobt	DESIGNED - R. SHAH	REVISED - R. SHAH 10-25-94
		DRAWN - JIS	REVISED - A. ABBAS 05-05-99
	PLOT SCALE = 50.0000 ' / IN.	CHECKED - A. ABBAS	REVISED - E. GOMEZ 12-21-00
	PLOT DATE = 1/4/2008	DATE - 09-10-94	REVISED - R. BORO 01-01-07

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HMA TAPER AT
EDGE OF P.C.C. PAVEMENT

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3524	10-00149-01-LS	COOK	69	60
	BD400-06 (BD33)	CONTRACT NO. 61E27		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

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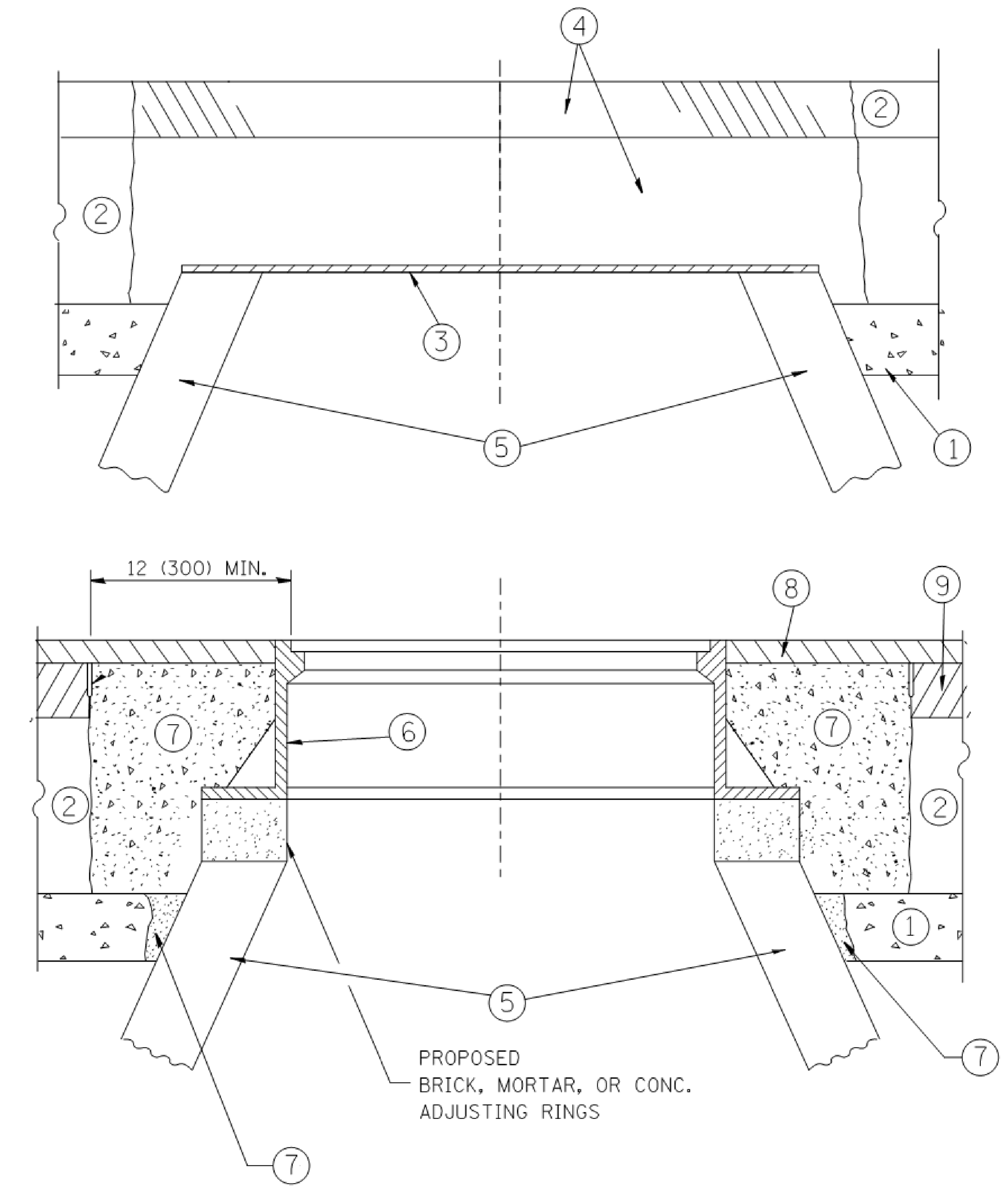

CONSTRUCTION PROCEDURES

STAGE 1 (BEFORE PAVEMENT MILLING)

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

STAGE 2 (AFTER PAVEMENT MILLING)

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

* UNLESS OTHERWISE SPECIFIED IN THE PLANS.

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

LEGEND

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

NOTES:

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

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

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

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

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

LOCATION OF STRUCTURES:

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

BASIS OF PAYMENT:

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

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

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

DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

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

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETAILS FOR
FRAMES AND LIDS ADJUSTMENT WITH MILLING

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3524	10-00149-01-LS	COOK	69	61
	BD600-03 (BD-8)	CONTRACT NO. 61E27		
FED. ROAD DIST. NO. 1	ILLINOIS FED. AID PROJECT			

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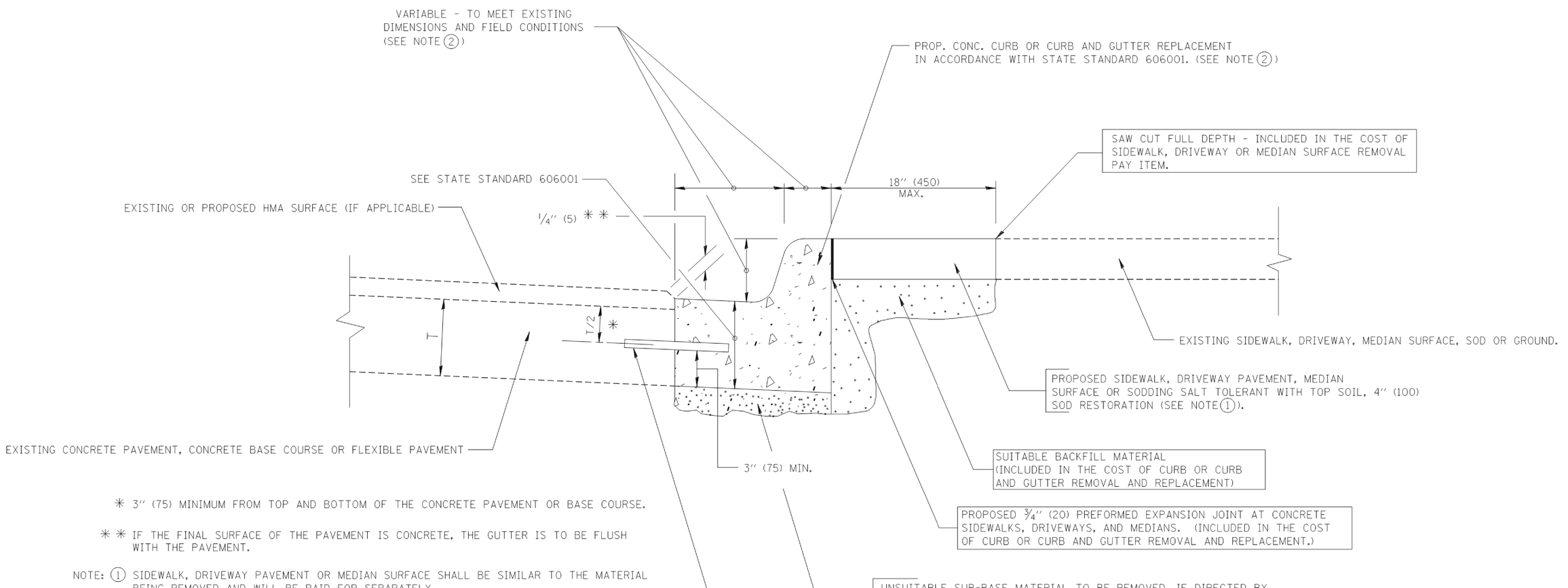

* 3" (75) MINIMUM FROM TOP AND BOTTOM OF THE CONCRETE PAVEMENT OR BASE COURSE.

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

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.

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.

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		DRAWN -	REVISED - A. ABBAS 03-21-97
	PLOT SCALE = 50.000 ' / IN.	CHECKED -	REVISED - M. GOMEZ 01-22-01
	PLOT DATE = 12/15/2009	DATE - 03-11-94	REVISED - R. BORO 12-15-09

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3524	10-00149-01-LS	COOK	69	62
	BD600-06 (BD-24)	CONTRACT NO.	61E27	
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

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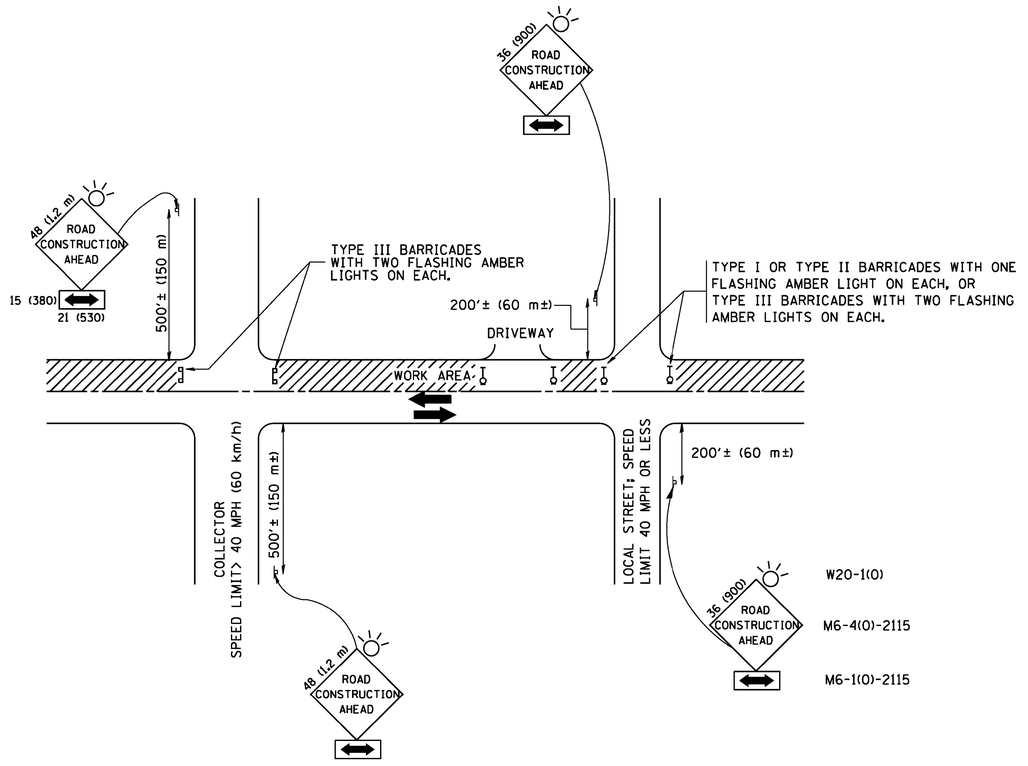

TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS

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\tc10.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.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3524	10-00149-01-LS	COOK	69	63
	TC-10	CONTRACT NO. 61E27		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

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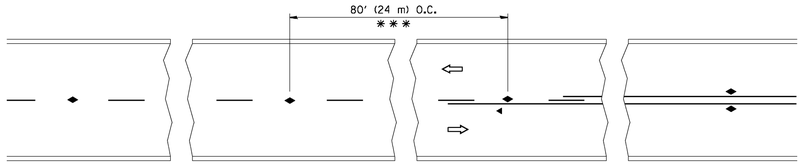
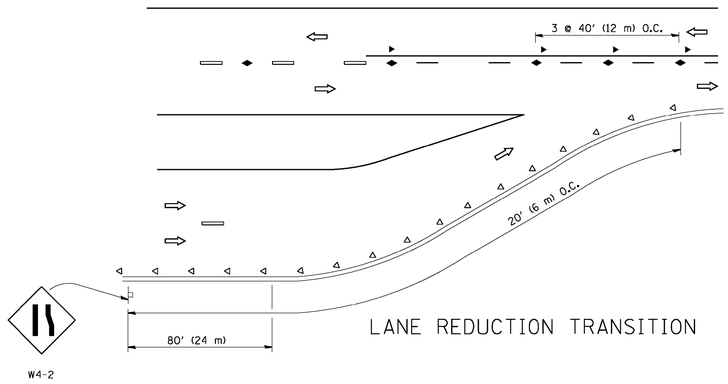
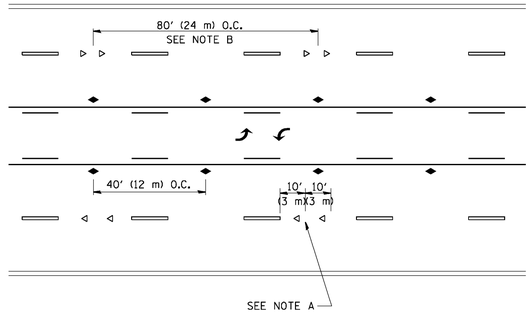


* * * REDUCE TO 40′ (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

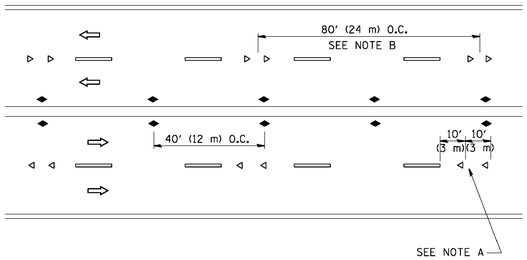
TWO-LANE/TWO-WAY



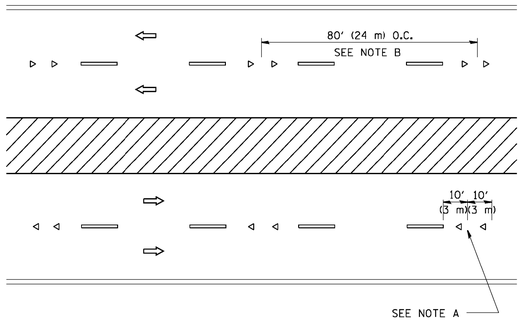
LANE REDUCTION TRANSITION



TWO-WAY LEFT TURN



MULTI-LANE/UNDIVIDED



MULTI-LANE/DIVIDED

GENERAL NOTES

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

SYMBOLS

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

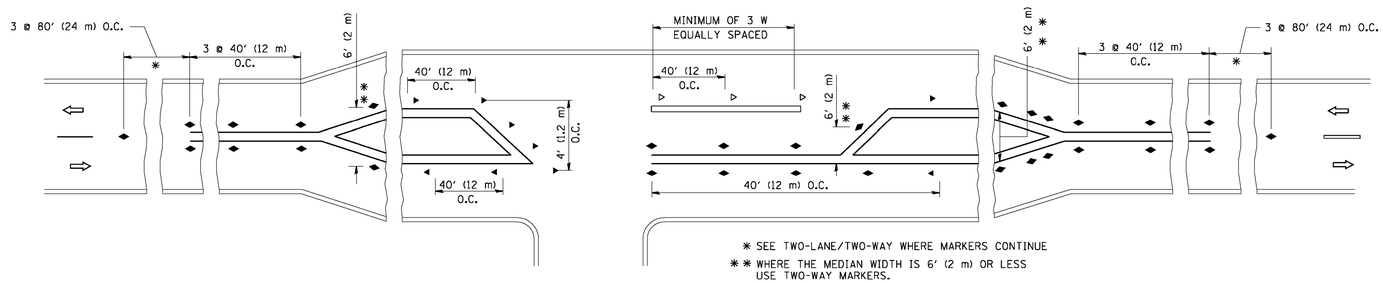
LANE MARKER NOTES

A. USE DOUBLE LANE LINE MARKERS SPACED AS SHOWN.

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

DESIGN NOTES

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



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

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

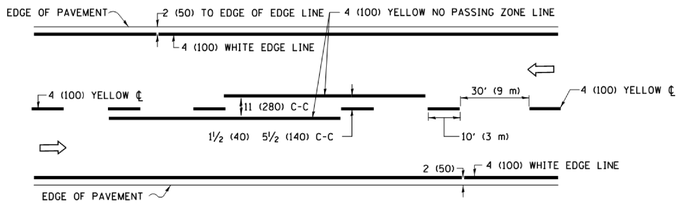
LEFT TURN

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

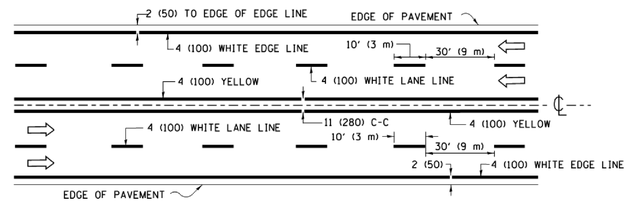
FILE NAME = c:\pw_work\pwidot\drivakosgn\d0108315\tc11.dgn	USER NAME = drivakosgn	DESIGNED -	REVISED - T. RAMMACHER 09-19-94	**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**	**TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)**
		DRAWN -	REVISED - T. RAMMACHER 03-12-99		
	PLOT SCALE = 50.000 ′ / IN.	CHECKED -	REVISED - T. RAMMACHER 01-06-00		
	PLOT DATE = 9/9/2009	DATE -	REVISED - C. JUCIUS 09-09-09		SCALE: NONE | SHEET NO. 1 OF 1 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3524	10-00149-01-LS	COOK	69	64
	TC-11	CONTRACT NO. 61E27		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

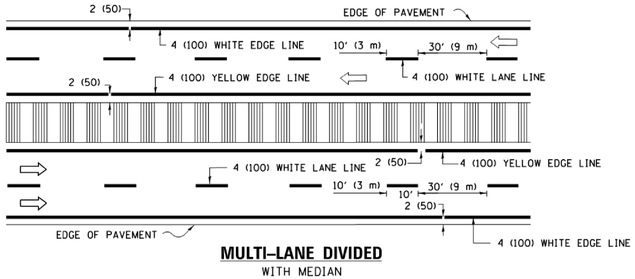
K:\Projects\3737\3737.21\ENG\3737_21DET08.dgn Default User=bstanuch



2–LANE ROADWAY

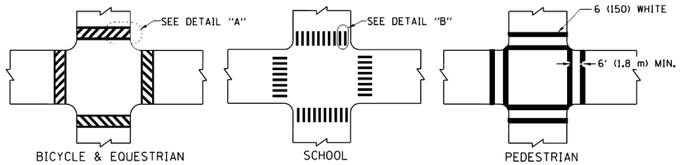


MULTI–LANE UNDIVIDED



MULTI–LANE DIVIDED
WITH MEDIAN

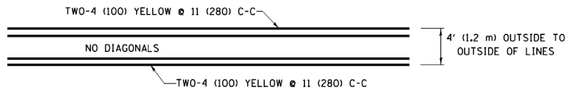
TYPICAL LANE AND EDGE LINE MARKING



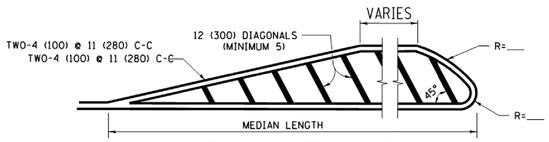
DETAIL "A" **DETAIL "B"**

TYPICAL CROSSWALK MARKING

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



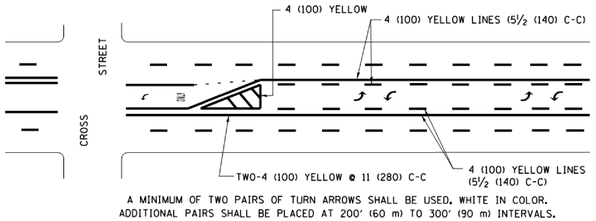
4' (1.2 m) WIDE MEDIANS ONLY



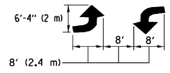
FOR MEDIAN LENGTHS WHERE DIAGONAL SPACING CANNOT BE ATTAINED, USE 5 (FIVE) EQUALLY SPACED DIAGONAL LINES.

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

MEDIANS OVER 4' (1.2 m) WIDE

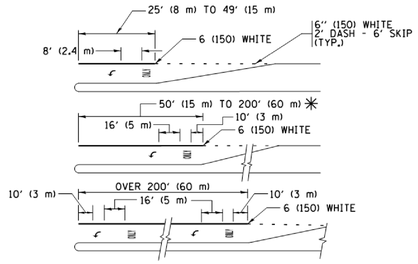


A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.



MEDIAN WITH TWO–WAY LEFT TURN LANE

TYPICAL PAINTED MEDIAN MARKING

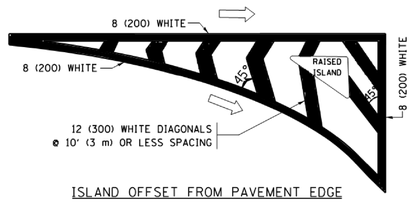


FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.
↰ AREA = 15.6 SQ. FT. (1.5 m^2) **ONLY** AREA = 20.8 SQ. FT. (1.9 m^2)

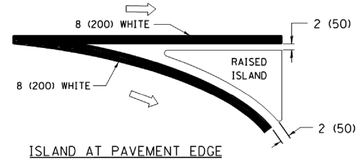
✳ TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING

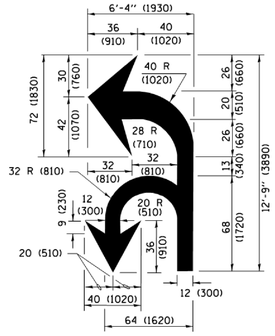


ISLAND OFFSET FROM PAVEMENT EDGE

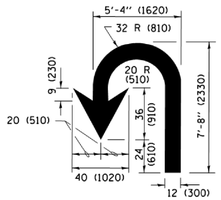


ISLAND AT PAVEMENT EDGE

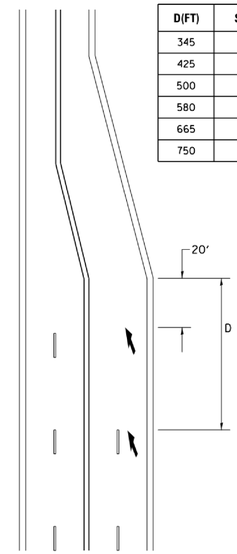
TYPICAL ISLAND MARKING



COMBINATION LEFT AND U–TURN



U–TURN



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

LANE REDUCTION TRANSITION

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

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING /REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 ø 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES: FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 ø 4 (100)	SOLID SOLID	YELLOW YELLOW	5½ (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1.8 m) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MEDIANS IN YELLOW
TURN LANE MARKINGS	6 (150) LINE; FULL SIZE LETTERS & SYMBOLS (8' (2.4m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 ø 4 (100) EACH DIRECTION 8' (2.4m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 5½ (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 ø 6 (150) 12 (300) ø 45° 12 (300) ø 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 ø 4 (100) WITH 12 (300) DIAGONALS ø 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 ø 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h)) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES; "RR" IS 6' (1.8 m) LETTERS; 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "R"=3.6 SQ. FT. (0.33 m^2) EACH "X"=54.0 SQ. FT. (5.0 m^2)
SHOULDER DIAGONALS (REQUIRED FOR SHOULDERS ≥ 8')	12 (300) ø 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (OVER 45MPH (70 km/h))
U TURN ARROW	SEE DETAIL	SOLID	WHITE	16.3 SF
2 ARROW COMBINATION LEFT AND U TURN	SEE DETAIL	SOLID	WHITE	30.4 SF

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

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

FILE NAME = W:\diststd\22x34\tc13.dgn	USER NAME = leysa	DESIGNED - EVERS	REVISED - C. JUCIUS 09-09-09
		DRAWN -	REVISED - C. JUCIUS 07-01-13
Default	PLOT SCALE = 50.000 ' / in.	CHECKED -	REVISED - C. JUCIUS 12-21-15
	PLOT DATE = 6/23/2017	DATE - 03-19-90	REVISED - C. JUCIUS 04-12-16

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
TYPICAL PAVEMENT MARKINGS

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

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3524	10-00149-01-LS	COOK	69	65
	TC–13	CONTRACT NO.	61E27	
	ILLINOIS	FED. AID PROJECT		

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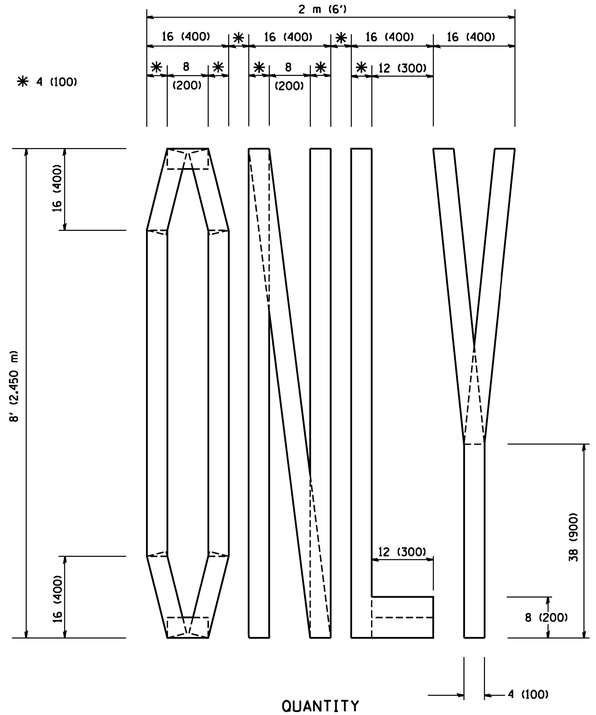
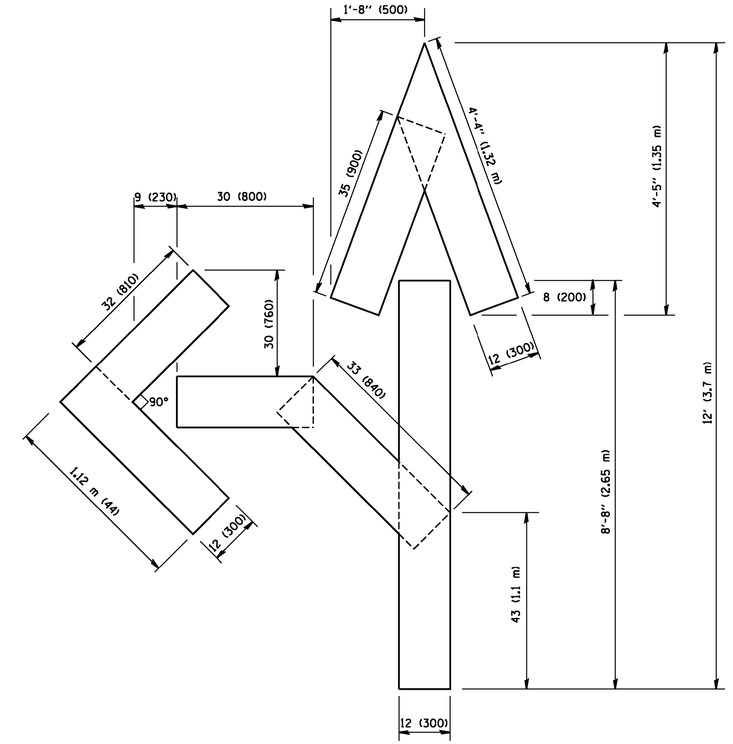
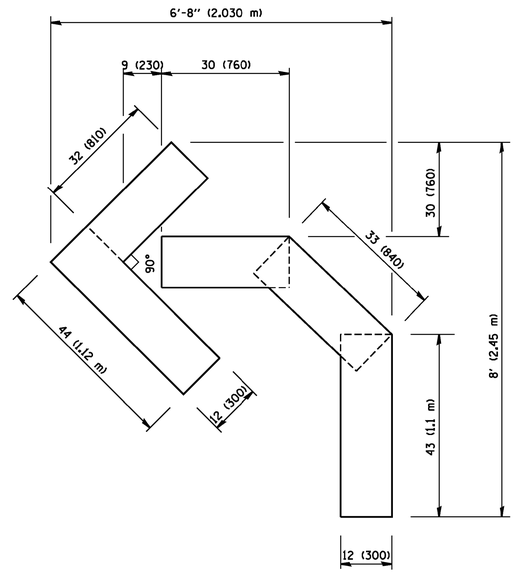


QUANTITY
4 (100) LINE = 64.1 ft. (19.7 m)
21.1 sq. ft. (1.97 sq. m)



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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		DRAWN -	REVISED -T. RAMMACHER 11-04-97
	PLOT SCALE = 50.0000 ' / IN.	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.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3524	10-00149-01-LS	COOK	69	66
	TC-16	CONTRACT NO. 61E27		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

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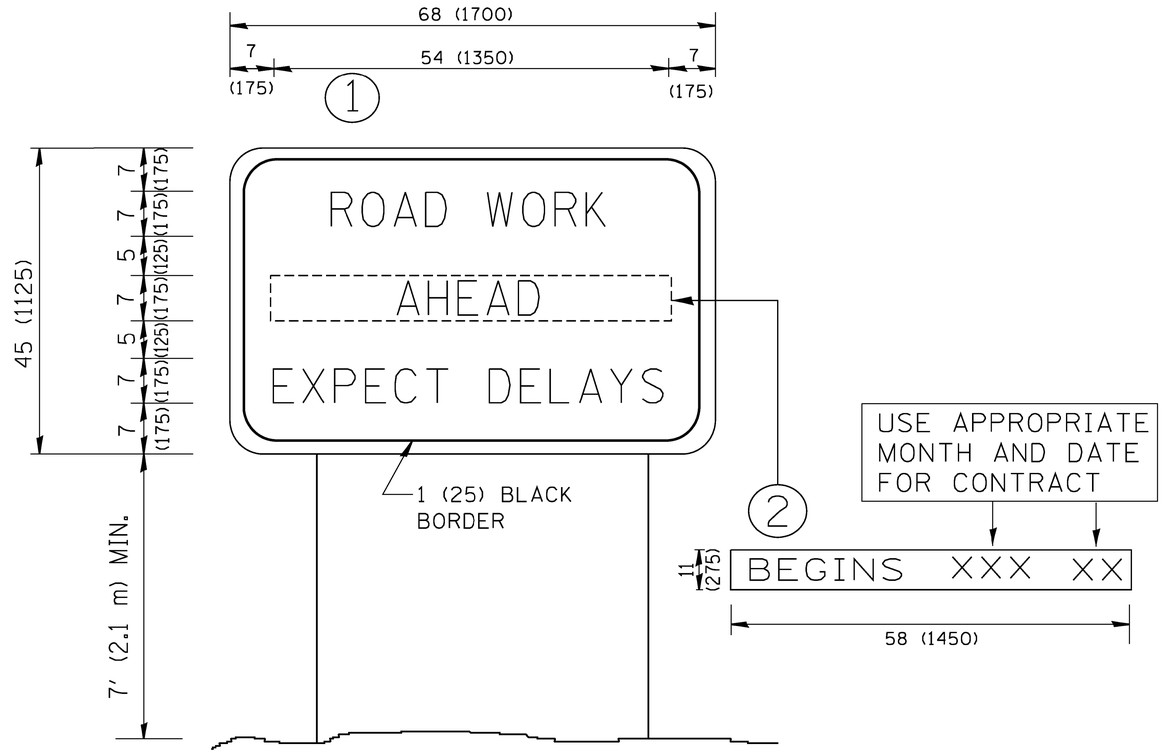

NOTES:

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

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

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

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ARTERIAL ROAD INFORMATION SIGN

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3524	10-00149-01-LS	COOK	69	67
	TC-22	CONTRACT NO. 61E27		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

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LOOP DETECTOR NOTES

1. EACH PAIR OF LOOP WIRES SHALL BE PLACED IN A SEPARATE EMPTY COILABLE NONMETALLIC CONDUIT FROM THE EDGE OF PAVEMENT TO THE HANDHOLE. SPACING BETWEEN THE HOLES DRILLED IN THE PAVEMENT SHALL NOT BE LESS THAN 6" (150 mm). EMPTY COILABLE NONMETALLIC CONDUIT SHALL BE INCLUDED IN THE COST OF THE LOOP WIRE.

2. THE NUMBER OF LOOP TURNS SHALL BE AS RECOMMENDED BY THE AMPLIFIER MANUFACTURER. ALL ADJACENT SIDES OF THE LOOPS SHALL BE INSTALLED IN SUCH A WAY THAT THE CURRENT FLOW IS IN THE SAME DIRECTION TO REINFORCE ITS MAGNETIC FIELDS FOR SMALL VEHICLE DETECTION.

3. EACH LOOP LEAD-IN SHALL BE IDENTIFIED AND PERMANENTLY TAGGED IN THE HANDHOLE. EACH LEAD-IN CABLE TAG SHALL INDICATE THE LOCATION OF THE LOOP, LOOP ROTATION (CLOCKWISE/COUNTERCLOCKWISE), LOOP LEAD-IN DIRECTION (IN OR OUT), LOOP CABLE NUMBER AND LOCATION IN CABINET, AND NUMBER OF TURNS IN THE DETECTOR LOOPS IN WATER PROOF INK AS INDICATED ON THE DISTRICT 1 STANDARD TRAFFIC SIGNAL DESIGN DETAIL. THE CONTRACTOR SHALL MARK LOOP LOCATIONS ON RECORD DRAWINGS AND PRESENT TO THE ENGINEER AFTER FINAL INSPECTION. LOOPS SHALL BE MARKED BY LANE AND LOOP NUMBER. SEE DETAIL BELOW.

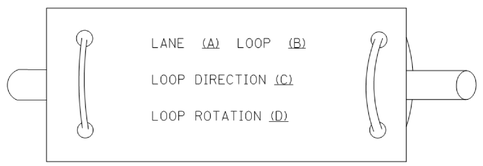
4. ALL LOOP CABLE SHALL BE FASTENED WITH PLASTIC TIE WRAP TO THE HANDHOLE HOOKS.

5. IN ASPHALT PAVEMENT, LOOPS SHOULD BE PLACED IN THE BINDER AND DIVEHOLES MARKED AT THE CURB WITH A SAW-CUT. THE SAW-CUT SHALL BE CUT IN ACCORDANCE WITH LOCAL AND E.P.A. DUST CONTROL REQUIREMENTS. DETECTOR LOOP(S) SHALL NOT BE INSTALLED IN WET CONDITIONS AND THE SAW-CUTS MUST BE FREE OF DEBRIS AND RESIDUE SUCH AS DUST AND WATER WHICH IS TO BE ACHIEVED BY THE USE OF COMPRESSED AIR, WIRE BRUSHING AND HEAT DRYING ACCORDING TO SEALANT MANUFACTURER REQUIREMENTS. THE DETECTOR WIRE SHALL BE HELD IN PLACE BY THE USE OF FORM WEDGES. WEDGES SHALL BE SPACED NO MORE THAN 18" (450 mm) APART.

6. LOOP SPLICES SHALL BE SOLDERED USING A SOLDERING IRON. BLOW TORCHES OR OTHER DEVICES WHICH OXIDIZE COPPER CABLE SHALL NOT BE ALLOWED FOR SOLDERING OPERATIONS. SEE DETAIL BELOW RIGHT.

7. PREFORMED DETECTOR LOOPS SHALL BE USED, AS SHOWN ON THE PLANS, WHERE NEW CONCRETE PAVEMENT IS PROPOSED. THE INSTALLATION OF PREFORMED LOOPS SHALL BE IN ACCORDANCE WITH THE DISTRICT 1 SPECIFICATIONS OR AS DIRECTED BY THE ENGINEER.

LOOP LEAD-IN CABLE TAG

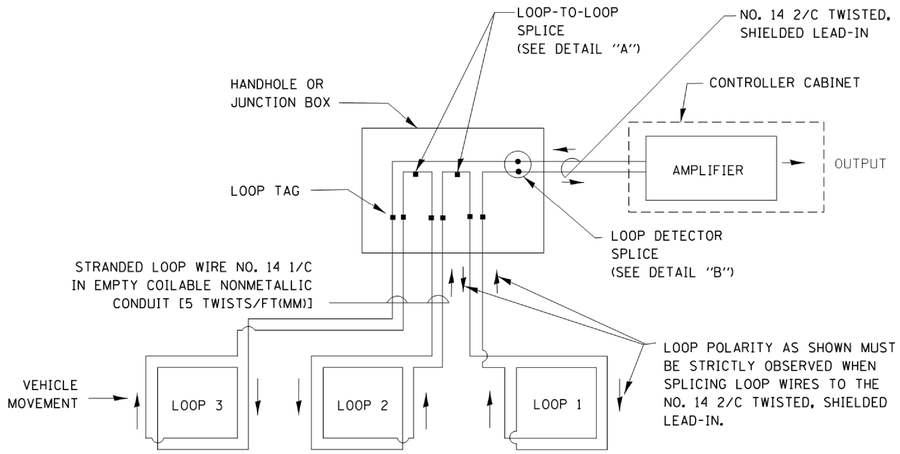


A. LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY

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

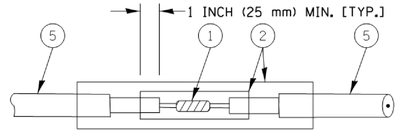
C. LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".

D. LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.

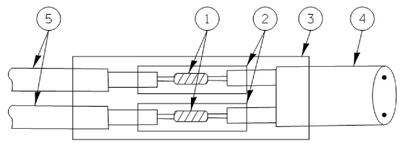


DETECTOR LOOP WIRING SCHEMATIC

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

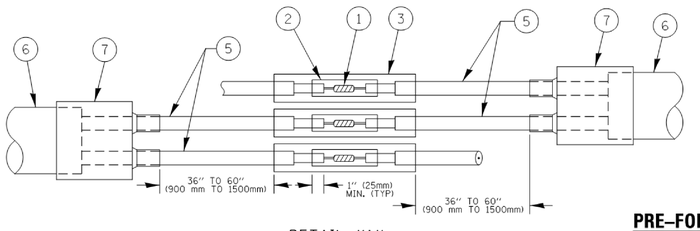


DETAIL "A"
LOOP-TO-LOOP SPLICE



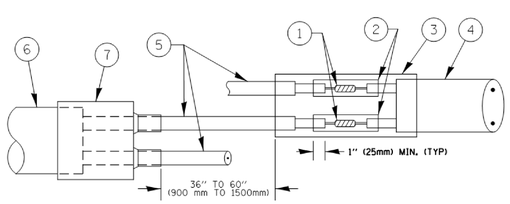
DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

TYPE I LOOP



DETAIL "A"
LOOP-TO-LOOP SPLICE

PRE-FORMED LOOP



DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

LOOP DETECTOR SPLICE

(1) WESTERN UNION SPLICE SOLDERED WITH ROSIN CORE FLUX. ALL EXPOSED SURFACES OF THE SOLDER SHALL BE SMOOTH. THE WESTERN UNION SPLICES SHALL BE STAGGERED.

(2) WCSMW 30/100 HEAT SHRINK TUBE, MINIMUM LENGTH 3" (75 mm), UNDERWATER GRADE.

(3) WCS 200/750 HEAT SHRINK TUBE, MINIMUM LENGHT 6" (150 mm), UNDERWATER GRADE.

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

(5) LOOP CONDUCTOR WITH FLEXIBLE PLASTIC TUBE.

(6) PRE-FORMED LOOP

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

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		DRAWN - BCK	REVISED -
	PLOT SCALE = 50.0000 ' / in.	CHECKED - DAD	REVISED -
	PLOT DATE = 1/13/2014	DATE - 10-28-09	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3524	10-00149-01-LS	COOK	69	68
	TS-05	CONTRACT NO. 61E27		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

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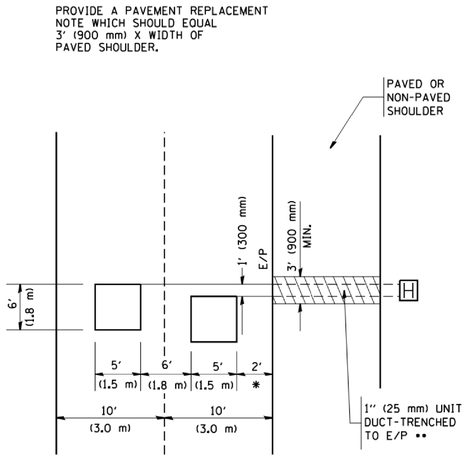
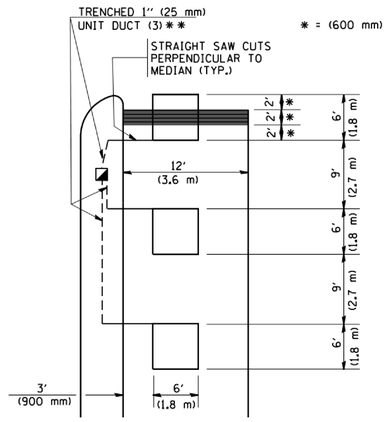
LOOPS NEXT TO SHOULDERS



* = (600 mm)

** UNIT DUCT IS TO BE SHOWN ON PLAN SHEETS BUT SHALL NOT BE INCLUDED IN THE PAY ITEMS.

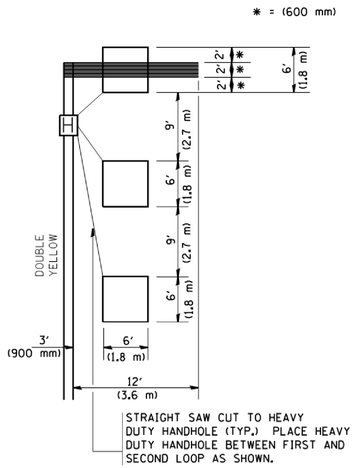
LEFT TURN LANES WITH MEDIANS
VOLUME DENSITY ("FAR OUT" DETECTION) ON SAME APPROACH
(PROTECTED / PERMITTED LEFT TURN PHASING)



** UNIT DUCT IS TO BE SHOWN ON PLAN SHEETS BUT SHALL NOT BE INCLUDED IN THE PAY ITEMS.

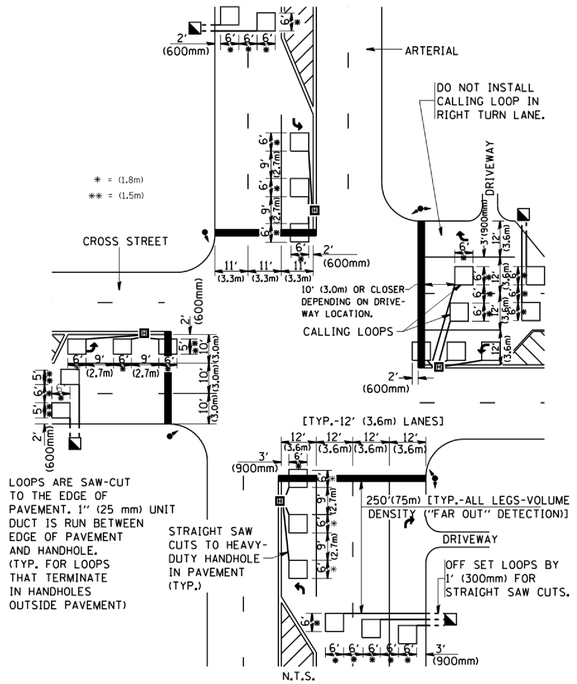
NOTE: DUAL LEFT TURNS NOT SHOWN REFER TO PLAN SHEET FOR DETECTOR LOOP REPLACEMENT

LEFT TURN LANES WITHOUT MEDIANS
VOLUME DENSITY ("FAR OUT" DETECTION) ON SAME APPROACH
(PROTECTED / PERMITTED LEFT TURN PHASING)



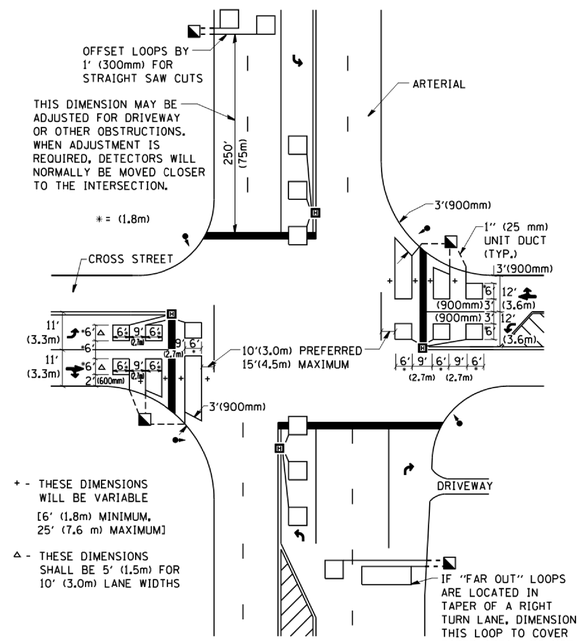
NOTE: DUAL LEFT TURNS NOT SHOWN REFER TO PLAN SHEET FOR DETECTOR LOOP REPLACEMENT

ARTERIAL-VOLUME DENSITY ("FAR OUT" DETECTION) CROSS STREET-VOLUME DENSITY ("FAR OUT" DETECTION)



DETAIL 1
N.T.S.

ARTERIAL-VOLUME DENSITY ("FAR OUT" DETECTION) CROSS STREET-NON VOLUME DENSITY ("UPTIGHT" PRESENCE DETECTION)



DETAIL 2
N.T.S.

NOTES:

VEHICLES LOOP DETECTORS

* ALL LEAD IN CABLE SHALL BE TWO CONDUCTOR NO. 14 TWISTED, SHIELDED.
* EACH DETECTOR LOOP SHALL HAVE ITS OWN SAW CUT FROM THE LOOP TO THE EDGE OF PAVEMENT OR TO A HANDHOLE IN THE PAVEMENT.
* EACH DETECTOR LOOP SHALL HAVE ITS OWN ONE INCH (25 mm) UNIT DUCT BETWEEN THE EDGE OF PAVEMENT AND THE FIRST HANDHOLE OR JUNCTION BOX. EACH UNIT DUCT RUN SHALL BE SHOWN ON THE PLANS BY THE DESIGNER, BUT SHALL NOT BE PAID FOR SEPARATLY. THIS ITEM IS INCIDENTAL TO THE PAY ITEM FOR DETECTOR LOOPS.
* ONE DIMENSION OF ALL DETECTOR LOOPS SHALL BE SIX FEET (1.8 m)
* EACH LANE OF NON-LOCKING, PRESENCE DETECTION AND EACH LANE OF A DOUBLE LEFT TURN LANE REQUIRES A SEPARATE INDUCTIVE LOOP DETECTOR AND LEAD IN CABLE.
* WHEN NON-LOCKING, PRESENCE DETECTION IS USED, MORE THAN ONE LOOP PER LANE IS REQUIRED BEHIND THE STOP BAR (i.e. 1-1/2, 1-3/4, 2).
* WHEN SYSTEM LOOPS ARE REQUIRED ON AN APPROACH OF AN INTERSECTION, THE LOOPS USED FOR VOLUME DENSITY AND INTERSECTION TIMING SHALL ALSO BE USED AS SYSTEM DETECTORS. EACH ONE OF THESE TYPE OF LOOPS REQUIRES A SEPARATE TWO CONDUCTOR NO. 14 TWISTED SHIELDED CABLE AND A SEPARATE INDUCTIVE LOOP DETECTOR WHEN NEW CONTROLLERS ARE UTILIZED. THE DESIGNER SHALL LABEL THESE TYPES OF LOOPS AS "INTERSECTION AND SAMPLING (SYSTEM) DETECTORS" ON THE SIGNAL LAYOUT, THE INTERCONNECT PLAN AND THE SYSTEM CABLE PLAN. WHEN AN EXISTING CONTROLLER IS UTILIZED FOR THIS TYPE OF DETECTION, THE PAY ITEM "INDUCTIVE LOOP DETECTOR WITH SYSTEM OUTPUT" SHOULD BE USED.

PLACEMENT OF DETECTORS

THE FOLLOWING FIGURES REPRESENT THE MOST COMMON DETECTOR LOOP LOCATIONS AND SIZES. ADJUSTMENTS WILL BE NECESSARY FOR SPECIFIC GEOMETRIC CONSIDERATIONS.

LOCATIONS AND DEMENSIONS OF DETECTOR LOOPS ARE REQUIRED ON ALL SIGNAL LAYOUT PLAN SHEETS.

"FAR OUT" DETECTION REFERS TO LOCKING, PRESENCE TYPE DETECTION LOCATED IN THRU LANES, RIGHT TURN LANES, AND RIGHT TURN LANE TAPER AREAS (IF APPLICABLE), USUALLY 250' (75 m) IN ADVANCE OF STOP BARS. "UPTIGHT" DETECTION REFERS TO NON-LOCKING PRESENCE TYPE DETECTION LOCATED IN ALL LANES AND 10'-15' (3.0 m-4.5 m) BEHIND THE CROSSING STREET'S EDGE OF PAVEMENT EXTENDED.

NOTE:

ALL DETAILS AND NOTES SHOWN ARE FROM THE I.D.O.T. DISTRICT 1 TRAFFIC SIGNAL DESIGN GUIDELINES DATED JANUARY 1995

THIS DRAWING HAS BEEN PREPARED TO ASSIST THE RESIDENT ENGINEER FOR ALL ROADWAY RESURFACING OR S.M.A.R.T. PROJECTS WHERE THE DIMENSIONS ARE NOT SHOWN ON THE PLANS AND THE FINAL LOCATIONS FOR CROSSWALKS OR STOP BARS ARE NOT DETERMINED.

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	PLOT SCALE = 50.0000 ' / IN.	CHECKED - R.K.F.	REVISED -
	PLOT DATE = 1/4/2008	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT 1 – DETECTOR LOOP INSTALLATION DETAILS FOR ROADWAY RESURFACING

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3524	10-00149-01-LS	COOK	69	69
	TS-07	CONTRACT NO. 61E27		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

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