

FOR INDEX OF SHEETS SEE SHEET 2 01-18-2019 LETTING ITEM 154

FOR LIST OF APPLICABLE HIGHWAY STANDARDS SEE SHEET 2

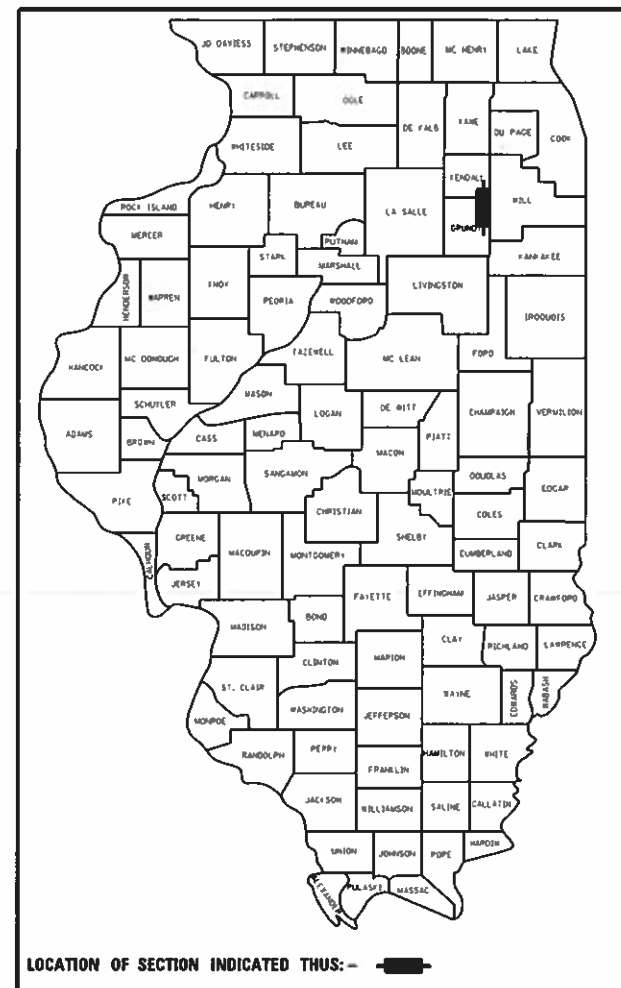
# STATE OF ILLINOIS

## DEPARTMENT OF TRANSPORTATION

# PLANS FOR PROPOSED FEDERAL AID HIGHWAY

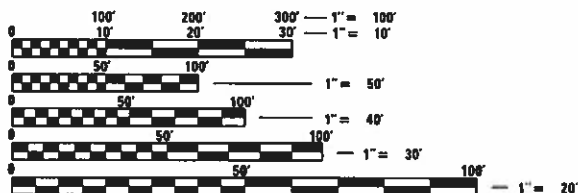
### FAS 288 (BROADWAY STREET) PARK STREET TO IL 113 (DIVISION STREET) (FAS 301) RECONSTRUCTION AND STREETScape SECTION 14-00030-00-WR PROJECT Q14M(212) VILLAGE OF COAL CITY GRUNDY COUNTY JOB NO. C-93-047-19

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
288	14-00030-00-WR	GRUNDY	95	1
ILLINOIS CONTRACT NO. 87710				

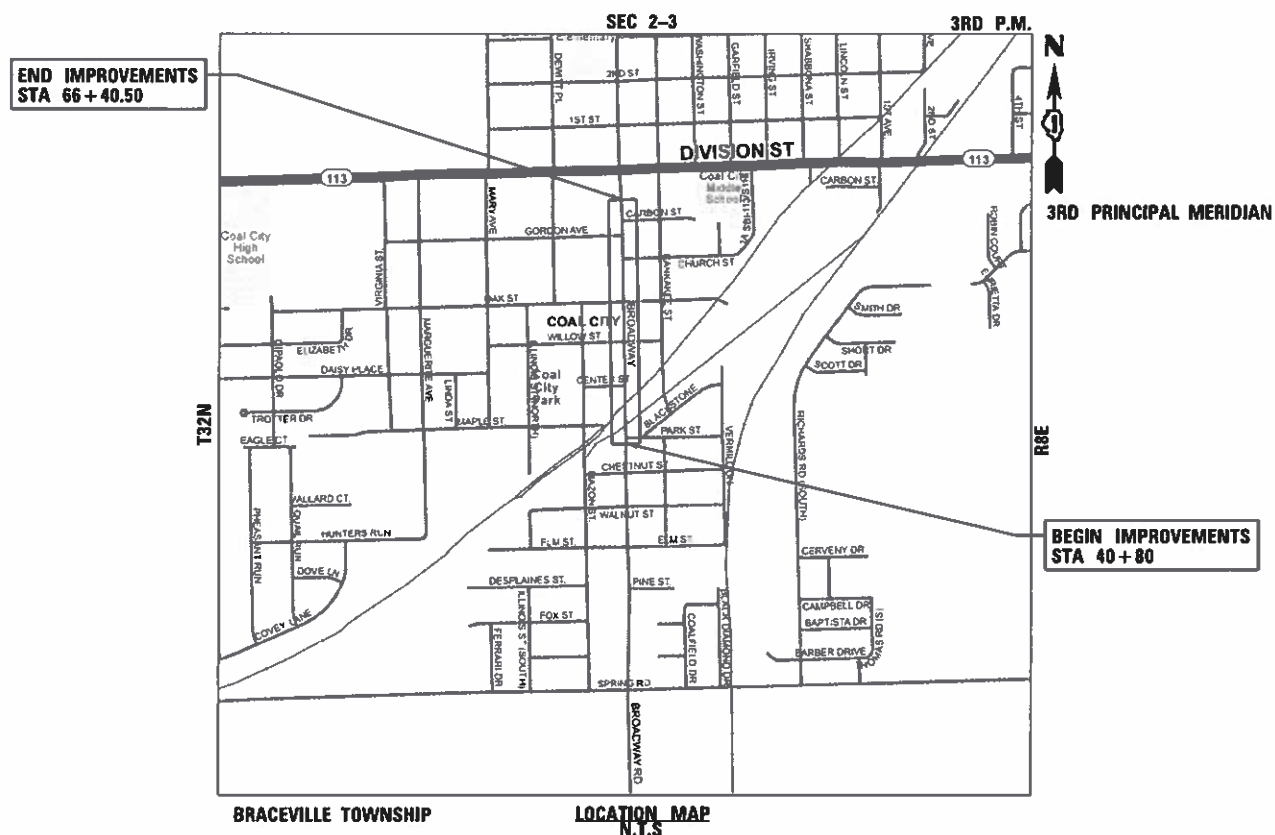


#### TRAFFIC DATA

BROADWAY STREET  
DESIGN DESTINATION: COLLECTOR  
POSTED SPEED = 25 MPH  
TRAFFIC = 7,800 ADT (2010)



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

CONTRACT NO. 87710

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

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



Nov 7, 2018  
*Anthony J. Dericco*  
ANTHONY J. DERICCO  
ILLINOIS REGISTRATION No. 062-057484  
EXPIRATION DATE: 11/30/19

GROSS LENGTH = 2560.5 FT = 0.48 MILES  
NET LENGTH = 2560.5 FT = 0.48 MILES



Nov 7, 2018  
*Stephen N. Sugg*  
STEPHEN N. SUGG  
ILLINOIS REGISTRATION No. 062-044117  
EXPIRATION DATE: 11/30/19

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

Approved: *10-24-18* *Greg Holliday*, 2018  
VILLAGE OF COAL CITY, MAYOR

Passed: *11/14* *Dan B...*, 2018  
District 3 Engineer of Local Roads & Streets

Releasing for Bid Based on Limited Review: *11/14/18* *Karin...*  
Regional Engineer

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

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001001-02	AREAS OF REINFORCEMENT BARS
001006	DECIMAL OF AN INCH AND A FOOT
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602401-05	MANHOLE, TYPE A 4' DIAMETER
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606001-07	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
606301-04	PC CONCRETE ISLANDS AND MEDIANS
701101-05	OFF RD OPERATIONS, MULTILANE, 15' TO 24" FROM PAVEMENT EDGE
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701427-05	LANE CLOSURE, MULTILANE INTERMITTENT OR MOVING OPERATIONS FOR SPEEDS ≤ 40 MPH
701502-09	URBAN LANE CLOSURE, 2L, 2W, WITH BIDIRECTIONAL LEFT TURN LANE
701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-06	SIDEWALK, CORNER OR CROSSWALK CLOSURE
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720006-04	SIGN PANEL ERECTION DETAILS
780001-05	TYPICAL PAVEMENT MARKINGS

**GENERAL NOTES**


1. ALL CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", ADOPTED APRIL 1, 2016; THE "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS", ADOPTED JANUARY 1, 2019; THE LATEST EDITION OF THE "ILLINOIS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS" (IMUTCD), THE "STANDARD SPECIFICATIONS FOR TRAFFIC CONTROL ITEMS" (SSTCI), "THE STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS" 2014 SEVENTH EDITION, THE "DETAILS" IN THE PLANS AND THE "SPECIAL PROVISIONS" INCLUDED IN THE CONTRACT DOCUMENTS.
2. THE CONTRACTOR SHALL NOTIFY MATT FRITZ, VILLAGE ADMINISTRATOR, VILLAGE OF COAL CITY AT 815-634-8608, AT LEAST 48 HOURS IN ADVANCE OF BEGINNING WORK AND COORDINATE ALL CONSTRUCTION OPERATIONS WITH THE ENGINEER.
3. DURING THE CONSTRUCTION OPERATIONS WHEN ANY LOOSE MATERIAL IS DEPOSITED IN THE FLOW LINE OF DITCHES, GUTTERS OR DRAINAGE STRUCTURES SO THE NATURAL FLOW OF WATER IS OBSTRUCTED, THE MATERIAL SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY. AT THE CONCLUSION OF THE CONSTRUCTION OPERATIONS ALL DRAINAGE STRUCTURES SHALL BE FREE FROM ALL DIRT AND DEBRIS CAUSED BY THE CONSTRUCTION. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED INCLUDED IN THE COST OF THE PAY ITEM TRAFFIC CONTROL AND PROTECTION, (SPECIAL).
4. WHERE SECTION OR SUBSECTION MONUMENTS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE THE MONUMENTS ARE REMOVED. THE CONTRACTOR SHALL CAREFULLY PRESERVE ALL PROPERTY MARKS AND MONUMENTS UNTIL THE ENGINEER, AUTHORIZED SURVEYOR OR AGENT HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION.
5. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ASCERTAIN EXISTING FIELD CONDITIONS PRIOR TO BIDDING ON THIS PROJECT. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR FAILURE TO VERIFY EXISTING DIMENSIONS OR CONDITIONS.
6. THE CONTRACTOR SHALL LIMIT CONSTRUCTION ACTIVITIES TO THE WORK AREAS DESIGNATED ON THE PLANS. ANY DAMAGE TO AREAS OUTSIDE OF THESE LIMITS SHALL BE REPAIRED BY THE CONTRACTOR AT HIS OWN EXPENSE TO THE SATISFACTION OF THE ENGINEER.
7. THE CONTRACTOR SHALL GIVE NOTICES AND COMPLY WITH APPLICABLE LAWS, ORDINANCES, RULES, REGULATIONS AND LAWFUL ORDERS OF ALL PUBLIC AUTHORITIES BEARING ON SAFETY OF PERSONS OR PROPERTY OR THEIR PROTECTION FROM DAMAGE, INJURY OR LOSS.
8. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH ANY OTHER ROADWAY PROJECTS WITHIN THE AREA THAT ARE UNDER CONSTRUCTION AT THE SAME TIME.
9. A QUANTITY OF AGGREGATE SUBGRADE IMPROVEMENT AND GEOTECHNICAL FABRIC FOR GROUND STABILIZATION HAS BEEN PROVIDED FOR USE AT LOCATIONS OF UNSUITABLE OR UNSTABLE SOIL. THE NEED FOR REMOVAL AND REPLACEMENT WITH AGGREGATE SUBGRADE IMPROVEMENT WILL BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION BY THE ENGINEER. IF UNSUITABLE OR UNSTABLE MATERIAL IS NOT ENCOUNTERED, THEN THE QUANTITY SHALL BE DEDUCTED AND NO ADDITIONAL COMPENSATION WILL BE DUE TO THE CONTRACTOR.
10. ANY SIGNAGE DAMAGED DURING CONSTRUCTION SHALL BE REPLACED BY THE CONTRACTOR AT HIS OWN EXPENSE.
11. THE CONTRACTOR SHALL CONTACT THE VILLAGE OF COAL CITY PUBLIC WORKS DEPARTMENT FOR PERMISSION TO USE WATER FROM THE EXISTING FIRE HYDRANT LOCATED WITHIN THE 500 BLOCK OF N. BROADWAY STREET. NO OTHER FIRE HYDRANT SHALL BE USED. THE CONTRACTOR SHALL EXERCISE SPECIAL CARE IN OPENING AND CLOSING OF THE FIRE HYDRANT, FOLLOWING PUBLIC WORKS GUIDELINES. ANY REPAIRS REQUIRED BY FAILURE TO COMPLY WITH PROPER OPERATING GUIDELINES SHALL BE BORNE BY THE CONTRACTOR. THERE WILL BE NO CHARGE FOR WATER USAGE.

12. WHEN REMOVING PAVEMENT, CURB AND GUTTER, SHOULDER, AND/OR OTHER STRUCTURES, THE USE OF ANY TYPE OF CONCRETE BREAKERS, WHICH MIGHT DAMAGE UNDERGROUND PUBLIC OR PRIVATE UTILITIES, WILL NOT BE PERMITTED. UNDER NO CIRCUMSTANCES WILL THE USE OF A FROST BALL BE PERMITTED. THE CONTRACTOR IS PROHIBITED FROM BREAKING UP CONCRETE BY DROPPING IT ON THE PAVEMENT OR IN ANY OTHER MANNER, WHICH IN THE OPINION OF THE ENGINEER MAY DAMAGE EXISTING OR PROPOSED PAVEMENTS OR OTHER ROADWAY APPURTENANCES.
13. THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON COAL CITY OR STATE RIGHT-OF-WAY OR PROPERTY WITHOUT WRITTEN PERMISSION FROM THE ENGINEER.
14. PRIOR TO EMBANKMENT PLACEMENT, ALL VEGETATION, LOOSE MATERIAL AND UNSTABLE MATERIAL SHOULD BE REMOVED TO DEPTH ENCOUNTERED AND REPLACED WITH SUITABLE EMBANKMENT MATERIAL. ANY EMBANKMENT WIDENING ON EXISTING SLOPES SHOULD BE BENCHED IN ACCORDANCE WITH ARTICLE 205.04 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.
15. THE CONTRACTOR SHALL MAINTAIN ALL ROADWAYS OPEN TO TRAFFIC AS SHOWN ON THE MAINTENANCE OF TRAFFIC PLANS.
16. ALL SAWCUTTING SHALL BE INCLUDED IN THE COST OF THE REMOVAL ITEMS AND SHALL BE PERFORMED PRIOR TO BEGINNING REMOVAL. ANY ITEMS OF WORK REMOVED PRIOR TO SAWCUTTING WILL NOT BE MEASURED FOR PAYMENT.
17. ALL FRAMES AND LIDS TO BE FURNISHED AS PART OF THIS CONTRACT, FOR THE CONSTRUCTION, ADJUSTMENT OR RECONSTRUCTION OF MANHOLES, CATCH BASINS, INLETS, VALVE VAULTS, OR METER VAULTS SHALL HAVE CAST INTO THE LID ONE OF THE FOLLOWING WORDS: LIDS FOR STORM SEWER STRUCTURES SHALL BEAR THE WORD STORM. LIDS FOR SANITARY SEWER STRUCTURES SHALL BEAR THE WORD SANITARY. LIDS FOR WATER SYSTEM STRUCTURES SHALL BEAR THE WORD WATER. ADDITIONALLY, OPEN GRATES OR LIDS SHALL INCLUDE THE WORDING "DUMP NO WASTE, DRAINS TO WATERWAYS." THIS WORK SHALL BE INCLUDED IN THE UNIT COST OF THE STRUCTURE BEING CONSTRUCTED, ADJUSTED OR RECONSTRUCTED.
18. ALL TREE REMOVAL SHALL BE COMPLETED BY APRIL 1, 2019.
19. **BURLINGTON NORTHERN SANTA FE RAILROAD (BNSF)**  
ALL WORK WITHIN BNSF RIGHT-OF-WAY SHALL BE COMPLETED IN ACCORDANCE WITH BNSF'S UTILITY ACCOMMODATION POLICY AND BNSF'S PUBLIC PROJECTS MANUAL. THE CONTRACTOR SHALL CONTACT BNSF TO DETERMINE IF THERE ARE ANY OTHER GUIDELINES THAT SHOULD BE FOLLOWED.
20. **UTILITIES**
  - (A) ALL UNDERGROUND UTILITY LOCATIONS, INCLUDING BUT NOT LIMITED TO SANITARY AND STORM SEWERS, WATER MAINS AND THEIR RESPECTIVE SERVICE LINES, SHOWN ON THE PLANS ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO HAVE THE RESPECTIVE UTILITY COMPANIES FIELD LOCATE ALL UTILITIES AS NECESSARY, PRIOR TO STARTING CONSTRUCTION. THE CONTRACTOR SHALL NOTIFY J.U.L.I.E. AT (800) 892-0123, (OR 811) AND ALL PUBLIC AND PRIVATE UTILITIES BEFORE STARTING CONSTRUCTION (48 HOUR NOTICE IS REQUIRED).
  - (B) THE CONTRACTOR SHALL TEMPORARILY BRACE/SUPPORT EXISTING UTILITIES DURING THE CONSTRUCTION OF THE PROPOSED IMPROVEMENTS, THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE COST OF THE ITEM BEING CONSTRUCTED.
  - (C) THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UNDERGROUND OR SURFACE UTILITIES EVEN THOUGH THEY MAY NOT BE SHOWN ON THE PLANS. ANY UTILITY THAT IS DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE ENGINEER. THIS WORK SHALL BE AT THE CONTRACTOR'S EXPENSE.

SP	CODE NUMBER	ITEM	UNIT	CONSTRUCTION TYPE CODE		
				TOTAL QUANTITY	0004 ROADWAY	0021 TRAFFIC SIGNALS AND LIGHTING
Δ	20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	58	58	
Δ	20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	75	75	
	20200100	EARTH EXCAVATION	CU YD	6875	6875	
	20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	1719	1719	
	20800150	TRENCH BACKFILL	CU YD	3485	3425	60
	21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	6700	6700	
	21101625	TOPSOIL FURNISH AND PLACE, 6"	SQ YD	2200	2200	
	21301072	EXPLORATION TRENCH 72" DEPTH	FOOT	100	100	
Δ	25000400	NITROGEN FERTILIZER NUTRIENT	POUND	28	28	
Δ	25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	28	28	
Δ	25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	28	28	
Δ	25200110	SODDING, SALT TOLERANT	SQ YD	2200	2200	
Δ	25200200	SUPPLEMENTAL WATERING	UNIT	110	110	
	28000400	PERIMETER EROSION BARRIER	FOOT	293	293	
	28000510	INLET FILTERS	EACH	71	71	
*	30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	1719	1719	
*	30300112	AGGREGATE SUBGRADE IMPROVEMENT 12"	SQ YD	15828	15828	
	31101180	SUBBASE GRANULAR MATERIAL, TYPE B 2"	SQ YD	4169	4169	
	31101200	SUBBASE GRANULAR MATERIAL, TYPE B 4"	SQ YD	3921	3921	
	35101600	AGGREGATE BASE COURSE, TYPE B 4"	SQ YD	1790	1790	
	35102000	AGGREGATE BASE COURSE, TYPE B 8"	SQ YD	3422	3422	
	40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	8027	8027	
	40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	7729	7729	
	40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	1499	1499	
	42001300	PROTECTIVE COAT	SQ YD	5357	5357	
	42300200	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH	SQ YD	508	508	
	42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	30215	30215	
	42400300	PORTLAND CEMENT CONCRETE SIDEWALK 6 INCH	SQ FT	2726	2726	
	44000100	PAVEMENT REMOVAL	SQ YD	17887	17887	
	44000155	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"	SQ YD	413	413	
	44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	267	267	
	44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	3126	3126	
	44000600	SIDEWALK REMOVAL	SQ FT	30000	30000	
	44201721	CLASS D PATCHES, TYPE III, 6 INCH	SQ YD	85	85	
	44201723	CLASS D PATCHES, TYPE IV, 6 INCH	SQ YD	542	542	
	550A0140	STORM SEWERS, CLASS A, TYPE 1 30"	FOOT	14	14	
*	550B0050	STORM SEWERS, CLASS B, TYPE 1 12"	FOOT	1312	1312	
*	550B0120	STORM SEWERS, CLASS B, TYPE 1 24"	FOOT	270	270	
*	550B0340	STORM SEWERS, CLASS B, TYPE 2 12"	FOOT	124	124	
*	550B0380	STORM SEWERS, CLASS B, TYPE 2 18"	FOOT	48	48	
*	550B0410	STORM SEWERS, CLASS B, TYPE 2 24"	FOOT	1746	1746	
	55100500	STORM SEWER REMOVAL 12"	FOOT	62	62	
	55100900	STORM SEWER REMOVAL 18"	FOOT	331	331	
Δ	* 56103000	DUCTILE IRON WATER MAIN 6"	FOOT	165	165	
Δ	* 56400500	FIRE HYDRANTS TO BE REMOVED	EACH	1	1	
Δ	* 56400820	FIRE HYDRANT WITH AUXILIARY VALVE AND VALVE BOX	EACH	1	1	
	60108104	PIPE UNDERDRAINS, TYPE 1, 4"	FOOT	335	335	
	60200105	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	EACH	1	1	
	60200405	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 4 FRAME AND GRATE	EACH	13	13	

SP	CODE NUMBER	ITEM	UNIT	CONSTRUCTION TYPE CODE		
				TOTAL QUANTITY	0004 ROADWAY	0021 TRAFFIC SIGNALS AND LIGHTING
	60201105	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 11 FRAME AND GRATE	EACH	15	15	
	60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1	1	
	60219300	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 11 FRAME AND GRATE	EACH	1	1	
	60221100	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	21	21	
	60222000	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 11 FRAME AND GRATE	EACH	1	1	
	60235800	INLETS, TYPE A, TYPE 4 FRAME AND GRATE	EACH	4	4	
	60236200	INLETS, TYPE A, TYPE 8 GRATE	EACH	1	1	
	60236800	INLETS, TYPE A, TYPE 11 FRAME AND GRATE	EACH	14	14	
	60250200	CATCH BASINS TO BE ADJUSTED	EACH	5	5	
	60255500	MANHOLES TO BE ADJUSTED	EACH	2	2	
	60258200	MANHOLES TO BE RECONSTRUCTED WITH NEW TYPE 1 FRAME, CLOSED LID	EACH	3	3	
	60500040	REMOVING MANHOLES	EACH	11	11	
	60500050	REMOVING CATCH BASINS	EACH	4	4	
	60500060	REMOVING INLETS	EACH	9	9	
	60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	7634	7634	
	60608562	COMBINATION CONCRETE CURB AND GUTTER, TYPE M-4.12	FOOT	242	242	
*	60618320	CONCRETE MEDIAN SURFACE, 6 INCH	SQ FT	130	130	
Δ	66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	225	225	
Δ	66900530	SOIL DISPOSAL ANALYSIS	EACH	10	10	
Δ	* 66901001	REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	LSUM	1	1	
Δ	* 66901002	ON-SITE MONITORING OF REGULATED SUBSTANCES	CAL DAY	10	10	
Δ	* 66901003	REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	LSUM	1	1	
	67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	12	12	
	67100100	MOBILIZATION	LSUM	1	1	
*	70107025	CHANGEABLE MESSAGE SIGN	CAL DAY	42	42	
	70300100	SHORT TERM PAVEMENT MARKING	FOOT	660	660	
	70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	220	220	
	70300210	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS	SQ FT	72	72	
	70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	15557	15557	
	70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	230	230	
	70300510	PAVEMENT MARKING TAPE, TYPE III - LETTERS AND SYMBOLS	SQ FT	72	72	
	70300520	PAVEMENT MARKING TAPE, TYPE III 4"	FOOT	939	939	
Δ	* 72000100	SIGN PANEL - TYPE 1	SQ FT	96	96	
Δ	72400100	REMOVE SIGN PANEL ASSEMBLY - TYPE A	EACH	17	17	
Δ	72400310	REMOVE SIGN PANEL - TYPE 1	SQ FT	54	54	
Δ	72400500	RELOCATE SIGN PANEL ASSEMBLY - TYPE A	EACH	3	3	
Δ	78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	864	864	
Δ	78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	10135	10135	
Δ	78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	3886	3886	
Δ	78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	129	129	
Δ	78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	290	290	
Δ	78006130	PREFORMED THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	365	365	
Δ	78008200	POLYUREA PAVEMENT MARKING TYPE I - LETTERS AND SYMBOLS	SQ FT	14	14	
Δ	78008230	POLYUREA PAVEMENT MARKING TYPE I - LINE 6"	FOOT	556	556	
Δ	78008270	POLYUREA PAVEMENT MARKING TYPE I - LINE 24"	FOOT	40	40	
Δ	81028240	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	695		695
Δ	81028250	UNDERGROUND CONDUIT, GALVANIZED STEEL, 5" DIA.	FOOT	265		265
Δ	81028260	UNDERGROUND CONDUIT, GALVANIZED STEEL, 6" DIA.	FOOT	110		110

Δ INDICATES SPECIALTY ITEM

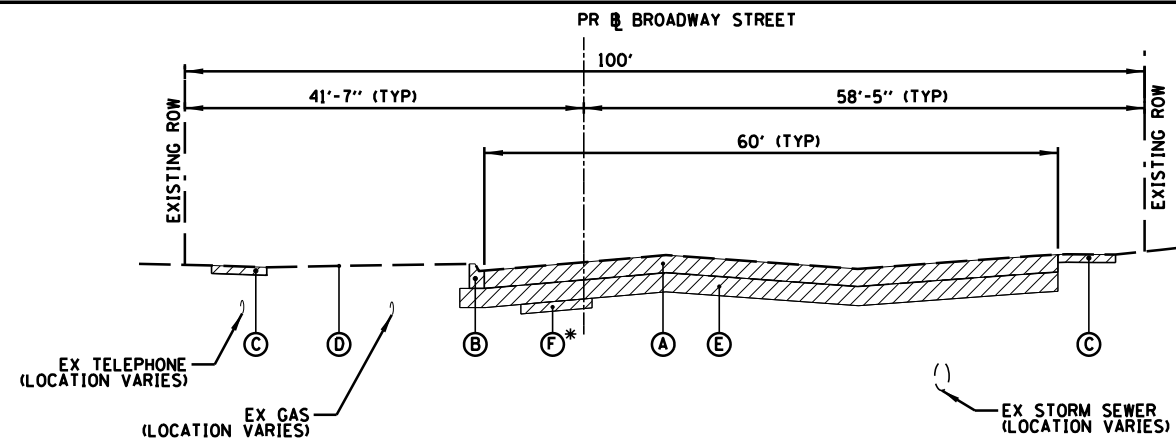
 9575 W. Higgins Road, Suite 600 Rosemont, Illinois 60018 (847) 823-0500	USER NAME = rhowellindgren	DESIGNED - MBT	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>BROADWAY STREET</b> <b>SUMMARY OF QUANTITIES</b>		F.A.S. RTE. 288	SECTION 14-00030-00-WR	COUNTY GRUNDY	TOTAL SHEETS 95	SHEET NO. 3
	PLOT SCALE = 40'	DRAWN - MBT	CHECKED - SNS		REVISED -	SCALE: 40'	SHEET OF SHEETS STA. TO STA.	ILLINOIS FED. AID PROJECT CONTRACT NO. 87710			
	PLOT DATE = 11/13/2018	DATE -	REVISED -								

SP	CODE NUMBER	ITEM	UNIT	CONSTRUCTION TYPE CODE		
				TOTAL QUANTITY	0004 ROADWAY	0021 TRAFFIC SIGNALS AND LIGHTING
Δ	81028720	UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 1" DIA.	FOOT	585		585
Δ	81028730	UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 1 1/4" DIA.	FOOT	6715		6715
Δ	81028740	UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 1 1/2" DIA.	FOOT	6790		6790
Δ	81028750	UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 2" DIA.	FOOT	6740		6740
Δ	81702120	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 8	FOOT	29145		29145
Δ	81702130	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 6	FOOT	29290		29290
Δ	81702150	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 2	FOOT	450		450
Δ	83600200	LIGHT POLE FOUNDATION, 24" DIAMETER	FOOT	420		420
Δ	84200500	REMOVAL OF LIGHTING UNIT, SALVAGE	EACH	10		10
Δ	84200800	REMOVAL OF LIGHTING UNIT, NO SALVAGE	EACH	13		13
Δ	84200804	REMOVAL OF POLE FOUNDATION	EACH	23		23
Δ *	89502380	REMOVE EXISTING HANDHOLE	EACH	6		6
Δ	A2008120	TREE, TILIA CORDATA GREENSPIRE (GREENSPIRE LITTLE LEAF LINDEN), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	8	8	
Δ *	K0012990	PERENNIAL PLANTS, ORNAMENTAL TYPE, GALLON POT	UNIT	2.05	2.05	
Δ *	K1005481	SHREDDED BARK MULCH 3"	SQ YD	42	42	
Δ *	X0300635	PLANTER	EACH	85	85	
*	X0301834	STORM SEWER TO BE FILLED	FOOT	1939	1939	
*	X0320067	BENCH REMOVAL	EACH	1	1	
*	X0322102	TEMPORARY SIDEWALK RAMP	EACH	40	40	
*	X0323389	STORM SEWER CONNECTION	EACH	50	50	
*	X0324078	CONFLICT MANHOLES	EACH	1	1	
Δ **	X0325207	TELEVISION INSPECTION OF SEWER	FOOT	1950	1950	
Δ *	X0325815	REMOVE EXISTING CABLE	FOOT	140		140
*	X0325942	CONCRETE LANDING SLAB	SQ FT	16106	16106	
Δ *	X0326859	PAVEMENT IMPRINTING	SQ YD	119	119	
*	X0326863	BRICK SIDEWALK	SQ FT	16106	16106	
Δ *	X0327018	DECORATIVE SIGN POST	EACH	9	9	
Δ *	X0327141	LIGHTING STANDARD, TYPE 4A	EACH	40		40
Δ *	X0327142	LIGHTING STANDARD, TYPE 4B	EACH	2		2
Δ *	X0327420	SANITARY SEWER, DUCTILE IRON, 8"	FOOT	136	136	
*	X0327978	CONCRETE PAVER PAVEMENT	SQ YD	64	64	
*	X0795800	COARSE AGGREGATE	TON	151	151	
Δ *	X0840000	SANITARY SEWER REMOVAL, 8"	FOOT	193	193	
Δ *	X0945500	PAINT EXISTING POLE COMPLETE	EACH	1		1
Δ *	X1400238	LUMINAIRE, LED, SPECIAL	EACH	44		44
*	X2110100	TOPSOIL FURNISH AND PLACE, SPECIAL	CU YD	80	80	
*	X4021000	TEMPORARY ACCESS (PRIVATE ENTRANCE)	EACH	12	12	
*	X4022000	TEMPORARY ACCESS (COMMERCIAL ENTRANCE)	EACH	12	12	
*	X4023000	TEMPORARY ACCESS (ROAD)	EACH	9	9	
*	X4240430	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH, SPECIAL	SQ FT	848	848	
*	X4240800	DETECTABLE WARNINGS (SPECIAL)	SQ FT	438	438	
Δ *	X5610011	REMOVAL OF ASBESTOS WATER MAIN	FOOT	165	165	
*	X6022810	MANHOLES, SANITARY, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	4	4	
*	X6026050	SANITARY MANHOLES TO BE ADJUSTED	EACH	13	13	
Δ *	X6026054	SANITARY MANHOLES TO BE REMOVED	EACH	2	2	
Δ *	X6331110	STEEL POSTS, SPECIAL	EACH	19	19	
*	X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	1	
Δ *	X7200105	SIGN PANEL - TYPE 1 (SPECIAL)	SQ FT	57	57	

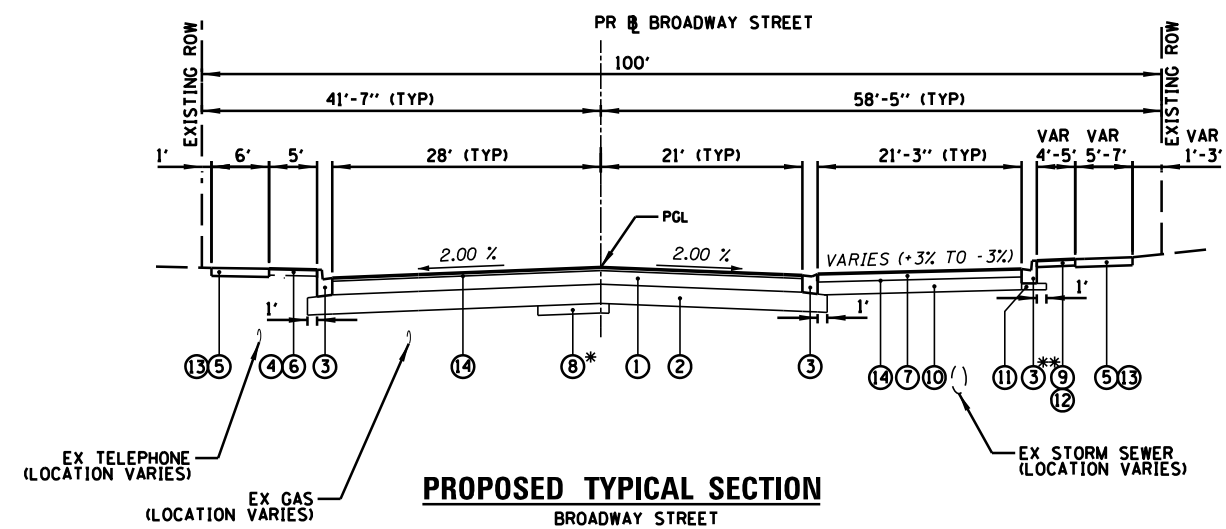
SP	CODE NUMBER	ITEM	UNIT	CONSTRUCTION TYPE CODE		
				TOTAL QUANTITY	0004 ROADWAY	0021 TRAFFIC SIGNALS AND LIGHTING
Δ *	X8100105	CONDUIT SPLICE	EACH	1		1
Δ *	X8140105	HANDHOLE (SPECIAL)	EACH	1		1
Δ *	X8140210	HEAVY-DUTY HANDHOLE (SPECIAL)	EACH	11		11
Δ *	X8140230	HANDHOLE, COMPOSITE CONCRETE (SPECIAL)	EACH	12		12
Δ *	X8360215	LIGHT POLE FOUNDATION, 24" DIAMETER, OFFSET	FOOT	68		68
Δ *	X8950130	MODIFY EXISTING LIGHTING CONTROLLER	EACH	1		1
Δ *	XX001386	SANITARY SEWERS, PVC, 8"	FOOT	57	57	
Δ *	XX002918	TREE FRAME AND GRATES	EACH	8	8	
*	XX004467	BRICK PAVER SIDEWALK ON RIGID BASE	SQ FT	305	305	
Δ *	XX006903	ORNAMENTAL STREET SIGN POST, COMPLETE	EACH	7	7	
*	XX007747	PARK BENCH REMOVAL AND RECOATING	EACH	1	1	
*	XX007852	PEDESTRIAN BENCH, FURNISH AND INSTALL	EACH	12	12	
*	XX007857	TRASH RECEPTACLE, FURNISH & INSTALL	EACH	4	4	
Δ *	XX008195	EXPLORATION EXCAVATION (UTILITY)	FOOT	120		120
*	XX008441	BICYCLE RACKS, TYPE 1	EACH	4	4	
*	XX008442	BICYCLE RACKS, TYPE 2	EACH	7	7	
*	Z0004002	BOLLARDS	EACH	8	8	
*	Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1	
Δ *	Z0033028	MAINTENANCE OF LIGHTING SYSTEM	CAL MO	9		9
*	Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM	1	1	
***	Z0076600	TRAINEES	HOURLY	1000	1000	
***	Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	HOURLY	1000	1000	

Δ INDICATES SPECIALTY ITEM  
 \*\* 100% VILLAGE FUNDED  
 \*\*\* CONSTRUCTION CODE 0042





**EXISTING TYPICAL SECTION**  
BROADWAY STREET



**PROPOSED TYPICAL SECTION**  
BROADWAY STREET

\* AT LOCATIONS AS DETERMINED BY THE ENGINEER.  
\*\* EAST PROPOSED CURB AND GUTTER SHALL BE 9" DEEP

**LEGEND**

- REMOVAL ITEMS
- (A) EXISTING PAVEMENT (THICKNESS VARIES FROM 3" TO 14 1/2") - SEE PAVEMENT CORES FOR DETAILS
- (B) EXISTING CONCRETE CURB AND GUTTER
- (C) EXISTING PCC SIDEWALK
- (D) EXISTING TOPSOIL AND GROUND COVER
- (E) EARTH EXCAVATION (20200100)
- (F) REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL (20201200)

- (1) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50; 1 1/2"  
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50; 9"
- (2) AGGREGATE SUBGRADE IMPROVEMENT 12" (30300112)
- (3) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (60603800)
- (4) SODDING, SALT TOLERANT (25200110)
- (5) PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH (42400200)
- (6) TOPSOIL FURNISH AND PLACE, 6" (21101625)
- (7) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50; 1 1/2"  
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50; 3 1/2"
- (8) AGGREGATE SUBGRADE IMPROVEMENT (30300001)
- (9) BRICK SIDEWALK (X0326863)
- (10) AGGREGATE BASE COURSE, TYPE B 8" (35102000)
- (11) SUBBASE GRANULAR MATERIAL, TYPE B 4" (31101200)
- (12) CONCRETE LANDING SLAB (X0325942)
- (13) SUBBASE GRANULAR MATERIAL, TYPE B 2" (31101180)
- (14) BITUMINOUS MATERIALS (TACK COAT) (40600290)

LOCATION(S):	HOT-MIX ASPHALT MIXTURE REQUIREMENTS			
	ANGLED PARKING	ANGLED PARKING	MAINLINE PAVEMENT	MAINLINE PAVEMENT
MIXTURE USE(S):	HMA BINDER, 3 1/2"	HMA SURFACE, 1 1/2"	HMA BINDER, 9"	HMA SURFACE, 1 1/2"
BINDER GRADE (PG):	PG64-22	PG64-22	PG64-22	PG64-22
DESIGN AIR VOIDS:	4.0% @ N50	4.0% @ N50	4.0% @ N50	4.0% @ N50
MIXTURE COMPOSITION:	IL 19.0	IL 9.5	IL 19.0	IL 9.5
(MIXTURE GRADATION)				
FRICTION AGGREGATE:		MIXTURE D		MIXTURE D
MIXTURE WEIGHT:	112.0 LB/SY/IN	112.0 LB/SY/IN	112.0 LB/SY/IN	112.0 LB/SY/IN
QUALITY MANAGEMENT PROGRAM:	OCOA	OCOA	OCOA	OCOA
SUBLOT SIZE:	NA	NA	NA	NA
DENSITY TEST METHOD:	NUCLEAR	NUCLEAR	CORES/NUCLEAR	CORES/NUCLEAR

BROADWAY STREET FROM PARK TO IL 113 IN COAL CITY

**CB** 9575 W. Higgins Road, Suite 600  
Rosemont, Illinois 60018  
(847) 823-0500

USER NAME = rhowellindgren	DESIGNED - MBT	REVISED -
PLOT SCALE = 28'	DRAWN - MBT	REVISED -
PLOT DATE = 11/13/2018	CHECKED - SNS	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

SCALE: 20'	SHEET	OF	SHEETS	STA.	TO	STA.
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**BROADWAY STREET**  
**TYPICAL SECTIONS**

F.A.S. RTE. 288	SECTION 14-00030-00-WR	COUNTY GRUNDY	TOTAL SHEETS 95	SHEET NO. 5
			CONTRACT NO. 87710	
ILLINOIS FED. AID PROJECT				

EARTHWORK SCHEDULE								
STATION			20201200	20200100	EARTH EXCAVATION VOLUME USED (15% SHRINKAGE)	EMBANKMENT	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-)	30300001
			REM AND DISP OF UNSUITABLE MATERIAL	EARTH EXCAVATION				AGGREGATE SUBGRADE IMPROVEMENT
			(CU YD)	(CU YD)	(CU YD)	(CU YD)	(CU YD)	(CU YD)
41+00	TO	41+28	0	43	37	20	17	0
41+28	TO	41+50	0	24	21	17	4	0
41+50	TO	42+00	0	22	18	109	-91	0
42+00	TO	42+50	0	4	3	167	-163	0
42+50	TO	43+00	0	15	13	125	-113	0
43+00	TO	43+50	0	14	12	36	-24	0
43+50	TO	44+00	0	19	16	9	7	0
44+00	TO	44+50	0	30	25	16	10	0
44+50	TO	45+00	0	64	54	8	46	0
45+00	TO	45+22	0	49	42	1	41	0
45+22	TO	45+50	13	69	59	2	57	13
45+50	TO	46+00	57	125	107	5	102	57
46+00	TO	46+12	16	27	23	2	20	16
46+12	TO	46+50	39	67	57	22	35	39
46+50	TO	46+81	34	66	56	15	41	34
46+81	TO	47+00	26	53	45	2	43	26
47+00	TO	47+50	69	160	136	2	134	69
47+50	TO	48+00	71	175	149	4	144	71
48+00	TO	48+23	33	84	71	2	69	33
48+23	TO	48+50	37	99	84	3	81	37
48+50	TO	49+00	32	191	163	7	155	32
49+00	TO	49+10	0	43	36	1	36	0
49+10	TO	49+50	0	173	147	3	144	0
49+50	TO	49+89	0	174	148	3	145	0
49+89	TO	50+00	0	50	43	0	43	0
50+00	TO	50+50	0	196	167	9	158	0
50+50	TO	51+00	0	133	113	14	99	0
51+00	TO	51+50	35	142	120	8	113	35
51+50	TO	52+00	71	205	174	4	170	71
52+00	TO	52+50	71	247	210	4	206	71
52+50	TO	53+00	71	263	223	4	219	71
53+00	TO	53+26	37	131	111	1	110	37
53+26	TO	53+50	34	112	95	1	94	34
53+50	TO	53+69	27	85	73	1	71	27
53+69	TO	54+00	44	137	116	3	114	44
54+00	TO	54+50	67	195	166	7	159	67
54+50	TO	55+00	49	145	123	5	118	49
55+00	TO	55+50	46	124	105	14	91	46
55+50	TO	56+00	63	139	118	17	102	63
56+00	TO	56+50	71	129	109	9	101	71
56+50	TO	57+00	71	108	92	11	80	71
57+00	TO	57+14	20	29	25	3	22	20
57+14	TO	57+50	51	84	71	6	65	51
57+50	TO	57+64	20	37	32	2	30	20
57+64	TO	58+00	51	94	80	5	75	51
58+00	TO	58+09	13	22	18	2	17	13
58+09	TO	58+50	58	93	79	7	72	58
58+50	TO	58+86	51	77	65	6	59	51
58+86	TO	59+00	19	32	27	3	24	19
59+00	TO	59+32	36	72	61	7	54	36
59+32	TO	59+50	19	41	35	3	31	19
59+50	TO	60+00	66	123	104	8	97	66
60+00	TO	60+19	27	47	40	3	37	27
60+19	TO	60+50	44	80	68	5	62	44
60+50	TO	61+00	35	127	108	10	97	35
61+00	TO	61+50	0	124	106	8	97	0

EARTHWORK SCHEDULE								
STATION			20201200	20200100	EARTH EXCAVATION VOLUME USED (15% SHRINKAGE)	EMBANKMENT	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-)	30300001
			REM AND DISP OF UNSUITABLE MATERIAL	EARTH EXCAVATION				AGGREGATE SUBGRADE IMPROVEMENT
			(CU YD)	(CU YD)	(CU YD)	(CU YD)	(CU YD)	(CU YD)
61+50	TO	61+63	0	27	23	2	21	0
61+63	TO	62+00	0	69	59	7	52	0
62+00	TO	62+50	0	108	92	10	82	0
62+50	TO	63+00	0	98	83	24	60	0
63+00	TO	63+11	0	17	15	6	9	0
63+11	TO	63+35	0	42	35	6	30	0
63+35	TO	63+50	0	33	28	1	27	0
63+50	TO	63+64	0	40	34	1	33	0
63+64	TO	64+00	0	141	120	2	118	0
64+00	TO	64+50	0	249	212	3	209	0
64+50	TO	65+00	0	258	219	3	216	0
65+00	TO	65+50	0	218	185	3	183	0
65+50	TO	66+00	24	166	141	2	139	24
<b>TOTALS</b>			<b>1719</b>	<b>6875</b>	<b>5843</b>	<b>844</b>	<b>4999</b>	<b>1719</b>

SUMMARY			
20200100	20400800	20201200	30300001
EARTH EXCAVATION	FURNISHED EXCAVATION	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	AGGREGATE SUBGRADE IMPROVEMENT
(CU YD)	(CU YD)	(CU YD)	(CU YD)
6,875	0	1,719 *	1,719 *

\* A QUANTITY OF AGGREGATE SUBGRADE IMPROVEMENT AND GEOTECHNICAL FABRIC FOR GROUND STABILIZATION HAS BEEN PROVIDED FOR USE AT LOCATIONS OF UNSUITABLE OR UNSTABLE SOIL. PRELIMINARY LOCATIONS REQUIRING THE USE OF AGGREGATE SUBGRADE IMPROVEMENT HAVE BEEN INDICATED ON THE CROSS SECTIONS. THE ACTUAL NEED FOR REMOVAL AND REPLACEMENT WITH AGGREGATE SUBGRADE IMPROVEMENT WILL BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION BY THE ENGINEER. IF UNSUITABLE OR UNSTABLE SOIL IS NOT ENCOUNTERED, THEN THE QUANTITY SHALL BE DEDUCTED AND NO ADDITIONAL COMPENSATION WILL BE DUE TO THE CONTRACTOR.

DRAINAGE STRUCTURE TABLE									
STA. 39+00 TO STA. 45+00									
STR NO	STRUCTURE TYPE	SIZE	STATION	OFFSET	RIM ELEV.	INV. NORTH	INV. SOUTH	INV. EAST	INV. WEST
S-58	CB, TA, T1F (OL)	4'	42+08.36	47.80 LT	569.05	X	566.05	X	X
S-59	CB, TA, T11 F&G	4'	41+60.00	18.50 LT	568.94	565.19	565.09	X	X
S-60	CB, TA, T11 F&G	4'	41+63.00	18.50 RT	569.01	X	565.76	X	X
S-61	MH, TY A, T1F (CL)	5'	41+43.82	20.36 LT	568.60	564.93	563.05 (EX)	563.05	X
S-62	INLET, TA, T4 F&G	2'	41+05.24	20.83 RT	567.71	564.61	X	X	X
S-63	CB, TA, T11 F&G	4'	41+38.86	36.86 RT	568.28	X	X	X	565.28
S-64	MH, TY A, T1F (CL)	5'	41+48.55	28.23 RT	569.08	559.24 (EX)	559.33 (EX)	565.15	562.37
S-65	MH, TY A, T1F (CL)	5'	41+47.67	19.12 RT	568.66	565.46	564.19	562.46	562.66

DRAINAGE STRUCTURE TABLE									
STA. 45+00 TO STA. 51+00									
STR NO	STRUCTURE TYPE	SIZE	STATION	OFFSET	RIM ELEV.	INV. NORTH	INV. SOUTH	INV. EAST	INV. WEST
S-1	MH, TY A, T1F (CL)	5'	45+05.13	32.00 RT	568.15	X	557.95 (EX)	X	557.95
S-2	MH, TY A, T11F&G	5'	45+07.00	19.73 RT	567.71	X	X	557.93	557.93
S-3	MH, TY A, T1F (CL)	5'	45+10.00	0.00 RT	568.06	557.90	X	557.90	564.30
S-4	MH, TY A, T1F (CL)	5'	46+24.50	6.00 LT	567.15	557.72	557.72	564.11	563.55
S-5	MH, TY A, T1F (CL)	5'	46+70.00	6.00 LT	566.95	557.65	557.65	563.16	562.55
S-6	MH, TY A, T1F (CL)	5'	48+26.00	6.00 LT	565.80	557.40	557.40	561.89	562.05
S-7	MH, TY A, T1F (CL)	5'	50+16.00	6.00 LT	564.86	557.10	557.10	560.94	560.88
S-8	CB, TA, T11 F&G	4'	45+07.00	26.74 LT	567.57	X	X	564.57	X
S-9*	INLET, TA, T4 F&G	2'	46+24.48	42.68 RT	567.60	X	X	X	564.60
S-10	CB, TA, T4 F&G	4'	46+07.35	26.74 LT	566.82	563.82	X	X	X
S-11	CB, TA, T4 F&G	4'	46+46.38	48.69 LT	566.58	563.48	563.48	X	X
S-11A	INLET, TA, T8 F&G	2'	46+35.08	53.90 LT	566.18	563.60	X	X	X
S-12	CB, TA, T11 F&G	4'	46+68.61	50.82 LT	566.20	X	563.10	563.00	X
S-13*	CB, TA, T11 F&G	4'	46+61.00	21.00 RT	566.69	X	X	X	563.44
S-14*	INLET, TA, T11 F&G	2'	48+00.00	44.17 RT	566.05	562.95	X	X	X
S-15*	CB, TA, T4 F&G	4'	48+25.00	21.00 RT	565.51	X	X	562.26	562.16
S-16	INLET, TA, T11 F&G	2'	48+25.61	28.00 LT	565.37	X	X	562.27	X
S-17	INLET, TA, T11 F&G	2'	50+41.86	28.00 LT	564.46	X	561.36	X	X
S-18	MH, TY A, T11F&G	4'	50+15.50	28.00 LT	564.42	561.10	X	561.10	X
S-19*	INLET, TA, T11 F&G	2'	50+43.75	43.83 RT	565.16	X	562.66	X	X
S-20*	CB, TA, T4 F&G	4'	50+15.50	21.00 RT	564.56	561.31	X	X	561.21
S-21**	CONFLICT MH	5'	50+97.92	6.00 LT	565.01	556.97	556.97	558.67	558.65
S-21A*	INLET, TA, T4 F&G	2'	50+74.51	29.00 RT	564.47	X	561.47	X	X
S-68*	MH, TY A, T1F (CL)	4'	45+16.00	32.41 RT	567.85	557.93 (EX)	X	X	X

SAN-1*	SANITARY MH	4'	50+97.66	48.03 RT	564.73	558.99 (EX)	558.99 (EX)	X	558.89
SAN-2	SANITARY MH	4'	50+98.03	29.54 LT	564.88	558.14 (EX)	558.12 (EX)	558.56	558.08 (EX)

\* STRUCTURE TO BE CONSTRUCTED USING AT LEAST 6" OF ADJUSTING RINGS. SEE MOT STAGE 1 NOTES FOR DETAILS.

\*\* SEE CONSTRUCTION DETAILS FOR FOR INFORMATION ON CONFLICT MANHOLE

DRAINAGE STRUCTURE TABLE									
STA. 51+00 TO STA. 57+00									
STR NO	STRUCTURE TYPE	SIZE	STATION	OFFSET	RIM ELEV.	INV. NORTH	INV. SOUTH	INV. EAST	INV. WEST
S-22	MH, TY A, T1F (CL)	5'	52+66.00	6.00 LT	564.33	556.70	556.70	560.41	560.67
S-23	MH, TY A, T1F (CL)	5'	54+75.00	6.00 LT	565.24	556.36	556.36	561.35	561.80
S-24	MH, TY A, T1F (CL)	5'	55+14.00	6.00 LT	565.43	556.30	556.30	561.46	561.32
S-25	CB, TA, T11 F&G	4'	52+65.00	28.00 LT	563.89	X	X	560.89	X
S-26*	INLET, TA, T11 F&G	2'	53+00.00	44.17 RT	564.70	X	561.70	X	X
S-27*	CB, TA, T4 F&G	4'	52+65.00	21.00 RT	564.03	560.78	X	X	560.68
S-28	CB, TA, T4 F&G	4'	54+73.89	28.81 LT	565.03	X	X	562.03	X
S-29*	INLET, TA, T11 F&G	2'	54+46.09	44.17 RT	565.31	562.11	X	X	X
S-30*	CB, TA, T4 F&G	4'	54+74.00	28.48 RT	565.07	X	561.79	X	561.69
S-31	INLET, TA, T11 F&G	2'	55+58.44	28.33 LT	565.25	X	562.15	X	X
S-32	CB, TA, T4 F&G	4'	55+12.78	32.93 LT	564.99	561.69	X	561.59	X
S-33*	CB, TA, T11 F&G	4'	55+13.02	33.22 RT	565.05	X	X	X	561.85
S-66*	CB, TA, T11 F&G	4'	51+14.10	29.00 RT	564.45	X	561.07	X	560.97
S-67	MH, TY A, T1F (CL)	5'	51+16.00	6.00 LT	564.99	556.94	556.94	560.62	X

\* STRUCTURE TO BE CONSTRUCTED USING AT LEAST 6" OF ADJUSTING RINGS. SEE MOT STAGE 1 NOTES FOR DETAILS.

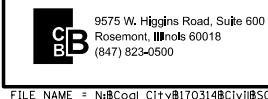
DRAINAGE STRUCTURE TABLE									
STA. 57+00 TO STA. 63+00									
STR NO	STRUCTURE TYPE	SIZE	STATION	OFFSET	RIM ELEV.	INV. NORTH	INV. SOUTH	INV. EAST	INV. WEST
S-34	MH, TY A, T1F (CL)	5'	57+72.00	6.00 LT	566.21	555.89	555.89	560.78	562.43
S-35	MH, TY A, T1F (CL)	5'	59+45.00	6.00 LT	566.60	555.68	555.68	561.58	X
S-36	MH, TY A, T1F (CL)	5'	60+97.00	6.00 LT	565.87	555.50	555.50	561.62	562.45
S-37	MH, TY A, T1F (CL)	5'	61+80.00	6.00 LT	565.47	X	555.40	555.40	559.54
S-38*	MH, TY A, T1F (CL)	5'	61+83.70	36.70 RT	564.92	555.36 (EX)	555.36 (EX)	X	555.36
S-39	INLET, TA, T11 F&G	2'	57+70.00	28.00 LT	565.75	X	X	562.65	X
S-40*	INLET, TA, T4 F&G	2'	57+50.00	44.17 RT	565.35	562.35	X	X	X
S-41*	INLET, TA, T11 F&G	2'	58+00.00	44.17 RT	565.45	X	X	X	562.45
S-41A*	INLET, TA, T11 F&G	2'	58+50.00	44.17 RT	565.36	X	562.36	X	X
S-41B*	CB, TA, T4 F&G	4'	58+48.00	21.00 RT	566.40	X	562.03	562.13	X
S-41C*	CB, TA, T4 F&G	4'	57+98.00	21.00 RT	566.08	561.53	561.43	562.22	X
S-42*	CB, TA, T4 F&G	4'	57+70.00	21.00 RT	565.89	561.15	562.05	X	561.05
S-43*	CB, TA, T11 F&G	4'	59+43.27	44.29 RT	565.58	X	X	X	562.08
S-44*	INLET, TA, T11 F&G	2'	60+95.00	43.83 RT	565.32	X	X	562.22	X
S-45*	CB, TA, T4 F&G	4'	60+95.00	21.00 RT	565.58	X	X	561.99	561.89
S-46	CB, TA, T4 F&G	4'	60+95.64	28.00 LT	565.42	X	X	562.67	X
S-47	CB, TA, T11 F&G	4'	61+85.02	24.15 LT	564.93	X	X	559.73	559.83 (EX)
S-48*	INLET, TA, T11 F&G	2'	62+61.83	42.17 RT	564.39	561.39	X	X	X
S-49*	INLET, TA, T11 F&G	2'	62+96.85	40.07 RT	564.37	X	561.37	X	X
S-50*	CB, TA, T11 F&G	4'	62+79.00	22.75 RT	564.63	561.12	561.13	561.12	561.02
S-51	MH, TY A, T1F (CL)	5'	62+96.00	16.97 LT	564.69	559.70	X	560.59	561.35
S-52	CB, TA, T11 F&G	4'	62+96.19	28.00 LT	564.46	X	X	561.46	X

SAN-3*	SANITARY MH	4'	57+42.00	45.45 RT	565.42	560.30	560.3 (EX)	X	X
SAN-4*	SANITARY MH	4'	58+58.00	45.28 RT	565.38	559.62 (EX)	559.62	X	X

\* STRUCTURE TO BE CONSTRUCTED USING AT LEAST 6" OF ADJUSTING RINGS. SEE MOT STAGE 1 NOTES FOR DETAILS.

DRAINAGE STRUCTURE TABLE									
STA. 63+00 TO STA. 69+00									
STR NO	STRUCTURE TYPE	SIZE	STATION	OFFSET	RIM ELEV.	INV. NORTH	INV. SOUTH	INV. EAST	INV. WEST
S-53*	CB, TA, T11 F&G	4'	65+18.00	22.38 RT	562.84	X	X	X	559.59
S-54	MH, TY A, T1F (CL)	5'	65+23.00	21.91 LT	562.85	558.79	558.79	559.15	559.15
S-55	MH, TY A, T1F (CL)	5'	65+64.11	33.78 LT	563.91	558.26 (EX)	558.36	X	558.46 (EX)
S-56	INLET, TA, T11 F&G	2'	64+94.95	32.50 LT	562.66	559.56	X	X	X
S-57	CB, TA, T11 F&G	4'	65+18.00	26.72 LT	562.75	559.22	559.32	X	X

\* STRUCTURE TO BE CONSTRUCTED USING AT LEAST 6" OF ADJUSTING RINGS. SEE MOT STAGE 1 NOTES FOR DETAILS.



USER NAME	= rhowellindgren	DESIGNED	- MBT	REVISED	-
		DRAWN	- MBT	REVISED	-
PLOT SCALE	= 48"	CHECKED	- SNS	REVISED	-
PLOT DATE	= 11/13/2018	DATE	-	REVISED	-

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

BROADWAY STREET  
DRAINAGE STRUCTURE SCHEDULE

SCALE: 40' SHEET OF SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
288	14-00030-00-WR	GRUNDY	95	7
ILLINOIS FED. AID PROJECT			CONTRACT NO. 87710	

**STORM SEWER SCHEDULE**

**STA. 39+00 TO STA. 45+00**

PIPE NO.	FROM STR.	TO STR.	MATERIAL	TYPE	LENGTH	DIA	UPPER INV	LOWER INV.	SLOPE %	TRENCH B.F.
P59	S-58	S-59	CPE	1	56	12	566.05	565.19	1.54%	13.0
P60	S-59	S-61	CPE	1	16	12	565.09	564.93	1.00%	4.4
P61	S-61	S-65	CPE	2	39	18	563.05	562.66	1.00%	30.6
P62	S-63	S-64	CPE	1	12	12	565.28	565.15	1.08%	2.9
P63	S-60	S-65	CPE	1	15	12	565.76	565.46	2.00%	3.2
P64	S-62	S-65	CPE	1	42	12	564.61	564.19	1.00%	11.6
P65	S-65	S-64	CPE	2	9	18	562.46	562.37	1.00%	8.2

**STA. 45+00 TO STA. 51+00**

PIPE NO.	FROM STR.	TO STR.	MATERIAL	TYPE	LENGTH	DIA	UPPER INV	LOWER INV.	SLOPE %	TRENCH B.F.
P1	S-1	S-2	CPE	2	12	24	557.95	557.93	0.17%	19.9
P2	S-2	S-3	CPE	2	20	24	557.93	557.90	0.15%	33.0
P3	S-3	S-4	CPE	2	115	24	557.90	557.72	0.16%	185.8
P4	S-4	S-5	CPE	2	46	24	557.72	557.65	0.15%	70.3
P5	S-5	S-6	CPE	2	156	24	557.65	557.40	0.16%	222.0
P6	S-6	S-7	CPE	2	190	24	557.40	557.10	0.16%	240.6
P7	S-7	S-21	CPE	2	82	24	557.10	556.97	0.16%	100.8
P8	S-8	S-3	CPE	1	27	12	564.57	564.30	1.00%	6.3
P9	S-9	S-4	CPE	1	48	12	564.60	564.11	1.02%	9.4
P10	S-10	S-4	CPE	1	27	12	563.82	563.55	1.00%	6.1
P11	S-13	S-5	CPE	1	28	12	563.44	563.16	1.00%	6.9
P12	S-11	S-12	CPE	1	24	12	563.48	563.10	1.58%	4.9
P12A	S-11A	S-11	CPE	1	12	12	563.60	563.48	1.00%	2.1
P13	S-12	S-5	CPE	1	45	12	563.00	562.55	1.00%	12.5
P14	S-14	S-15	CPE	1	34	12	562.95	562.26	2.03%	7.2
P15	S-15	S-6	CPE	1	27	12	562.16	561.89	1.00%	7.0
P16	S-16	S-6	CPE	1	22	12	562.27	562.05	1.00%	5.2
P17	S-19	S-20	CPE	1	36	12	562.66	561.31	3.75%	6.5
P18	S-20	S-7	CPE	1	27	12	561.21	560.94	1.00%	7.0
P19	S-17	S-18	CPE	1	26	12	561.36	561.10	1.00%	5.6
P20	S-18	S-7	CPE	1	22	12	561.10	560.88	1.00%	5.7
P21	S-21A	S-66	CPE	1	39	12	561.47	561.07	1.03%	8.3

P200	SAN-1	P201	PVC	N/A	44	8	558.89	558.71	0.41%	33.6
P201	P200	P201	DIP	N/A	20	8	558.71	558.62	0.45%	16.1
P202	P201	SAN-2	PVC	N/A	13	8	558.62	558.56	0.46%	10.5

CPE - CORRUGATED POLYETHYLENE PIPE WITH A SMOOTH INTERIOR

**STORM SEWER SCHEDULE**

**STA. 51+00 TO STA. 57+00**

PIPE NO.	FROM STR.	TO STR.	MATERIAL	TYPE	LENGTH	DIA	UPPER INV	LOWER INV.	SLOPE %	TRENCH B.F.
P22	S-21	S-67	CPE	2	18	24	556.97	556.94	0.17%	22.7
P23	S-67	S-22	CPE	2	150	24	556.94	556.70	0.16%	182.6
P24	S-22	S-23	CPE	2	209	24	556.70	556.36	0.16%	272.1
P25	S-23	S-24	CPE	2	39	24	556.36	556.30	0.15%	56.7
P26	S-24	S-34	CPE	2	258	24	556.30	555.89	0.16%	413.2
P27	EX PIPE	EX PIPE	RCCP	1	14	30	559.81	559.77	0.29%	10.6
P28	S-66	S-67	CPE	1	35	12	560.97	560.62	1.00%	10.1
P29	S-26	S-27	CPE	1	42	12	561.70	560.78	2.19%	8.6
P30	S-27	S-22	CPE	1	27	12	560.68	560.41	1.00%	7.0
P31	S-25	S-22	CPE	1	22	12	560.89	560.67	1.00%	5.0
P32	S-29	S-30	CPE	1	32	12	562.11	561.79	1.00%	7.0
P33	S-30	S-23	CPE	1	34	12	561.69	561.35	1.00%	8.8
P34	S-28	S-23	CPE	1	23	12	562.03	561.80	1.00%	5.0
P35	S-33	S-24	CPE	1	39	12	561.85	561.46	1.00%	9.9
P36	S-31	S-32	CPE	1	46	12	562.15	561.69	1.00%	9.8
P37	S-32	S-24	CPE	1	27	12	561.59	561.32	1.00%	7.3

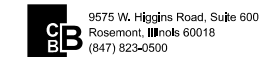
**STA. 57+00 TO STA. 63+00**

PIPE NO.	FROM STR.	TO STR.	MATERIAL	TYPE	LENGTH	DIA	UPPER INV	LOWER INV.	SLOPE %	TRENCH B.F.
P38	S-34	S-35	CPE	2	173	24	555.89	555.68	0.12%	308.6
P39	S-35	S-36	CPE	2	152	24	555.68	555.50	0.12%	271.9
P40	S-36	S-37	CPE	2	83	24	555.50	555.40	0.12%	141.3
P41	S-37	S-38	CPE	2	43	24	555.40	555.36	0.09%	69.7
P42	S-39	S-34	CPE	1	22	12	562.65	562.43	1.00%	5.3
P43	S-40	S-42	CPE	1	30	12	562.35	562.05	1.00%	7.1
P44	S-41A	S-41B	CPE	1	23	12	562.36	562.13	1.00%	6.0
P44A	S-41	S-41C	CPE	1	23	12	562.45	562.22	1.00%	5.5
P44B	S-41B	S-41C	CPE	2	50	12	562.03	561.53	1.00%	17.3
P44C	S-41C	S-42	CPE	2	28	12	561.43	561.15	1.00%	10.4
P45	S-42	S-34	CPE	2	27	12	561.05	560.78	1.00%	17.6
P46	S-43	S-35	CPE	1	50	12	562.08	561.58	1.00%	16.2
P47	S-46	S-36	CPE	1	22	12	562.67	562.45	1.00%	4.4
P48	S-44	S-45	CPE	1	23	12	562.22	561.99	1.00%	5.3
P49	S-45	S-36	CPE	1	27	12	561.89	561.62	1.00%	8.0
P50	S-47	S-37	CPE	2	19	12	559.73	559.54	1.00%	13.7
P51	S-48	S-50	CPE	1	26	12	561.39	561.13	1.00%	5.7
P51A	S-49	S-50	CPE	1	25	12	561.37	561.12	1.00%	5.5
P52	S-50	S-51	CPE	1	43	12	561.02	560.59	1.00%	12.1
P53	S-52	S-51	CPE	1	11	12	561.46	561.35	1.00%	2.3

P203	SAN-3	SAN-4	DIP	N/A	116	8	560.30	559.62	0.59%	78.0
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**STA. 63+00 TO STA. 69+00**

PIPE NO.	FROM STR.	TO STR.	MATERIAL	TYPE	LENGTH	DIA	UPPER INV	LOWER INV.	SLOPE %	TRENCH B.F.
P54	S-51	S-54	CPE	1	227	24	559.70	558.79	0.40%	83.9
P55	S-53	S-54	CPE	1	44	12	559.59	559.15	1.00%	10.7
P56	S-56	S-57	CPE	1	24	12	559.56	559.32	1.00%	5.3
P57	S-54	S-55	CPE	1	43	24	558.79	558.36	1.00%	17.7
P58	S-57	S-54	CPE	1	7	12	559.22	559.15	1.00%	1.8



USER NAME = rhowellindgren  
 PLOT SCALE = 48"  
 PLOT DATE = 11/13/2018

DESIGNED - MBT  
 DRAWN - MBT  
 CHECKED - SNS  
 DATE -

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

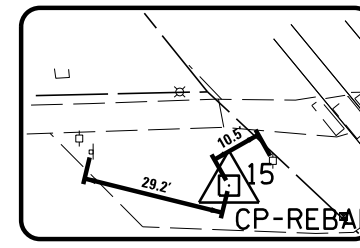
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**BROADWAY STREET  
 STORM SEWER SCHEDULE**

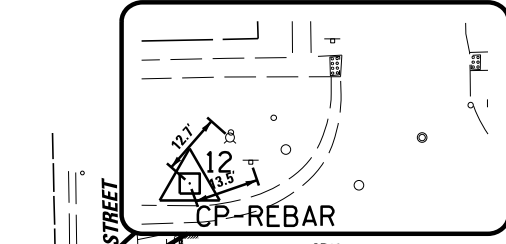
SCALE: 40' SHEET OF SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
288	14-00030-00-WR	GRUNDY	95	8

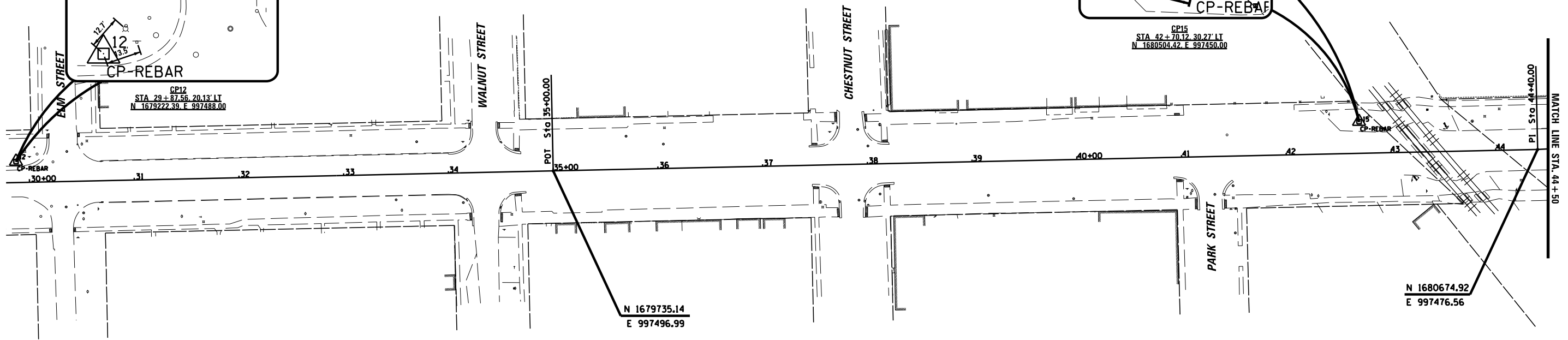
CONTRACT NO. 87710  
 ILLINOIS FED. AID PROJECT



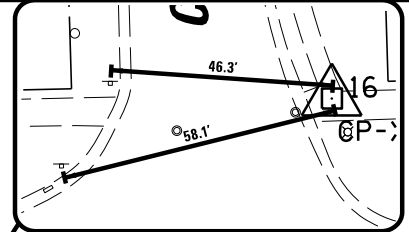
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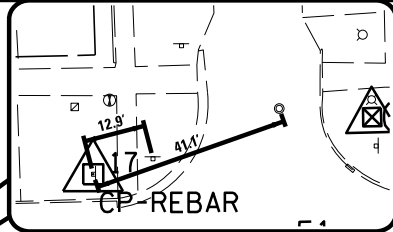
CP12  
STA 29+87.56, 20.13' LT  
N 1679222.39, E 997488.00



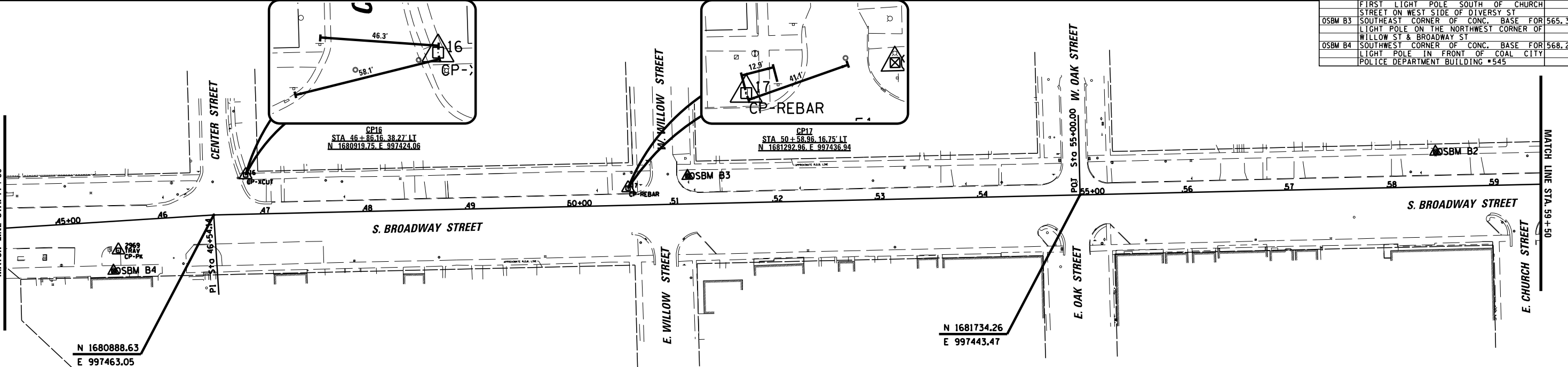
ELEVATION BENCHMARKS DATUM: NAVD'88 (GPS OBSERVED)		
NO.	DESCRIPTION	ELEV.
OSBM B1	SQUARE CUT ON SOUTH SIDE OF CONC. FOUNDATION FOR TRAFFIC SIGNAL WITH MAST ARM ON THE NORTHEAST CORNER OF BROADWAY ST & DIVISION ST	564.00
OSBM B2	SOUTHEAST CORNER OF CONCRETE BASE FOR FIRST LIGHT POLE SOUTH OF CHURCH STREET ON WEST SIDE OF DIVERSY ST	566.93
OSBM B3	SOUTHEAST CORNER OF CONC. BASE FOR LIGHT POLE ON THE NORTHWEST CORNER OF WILLOW ST & BROADWAY ST	565.36
OSBM B4	SOUTHWEST CORNER OF CONC. BASE FOR LIGHT POLE IN FRONT OF COAL CITY POLICE DEPARTMENT BUILDING #545	568.25



CP16  
STA 46+86.16, 38.27' LT  
N 1680919.75, E 997423.06



CP17  
STA 50+58.96, 16.75' LT  
N 1681292.96, E 997436.94



9575 W. Higgins Road, Suite 600  
Rosemont, Illinois 60018  
(847) 823-0500

USER NAME = rhowellindgren  
PLOT SCALE = 2000'  
PLOT DATE = 11/13/2018

DESIGNED - MBT  
DRAWN - MBT  
CHECKED - SNS  
DATE -

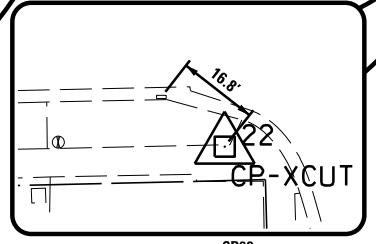
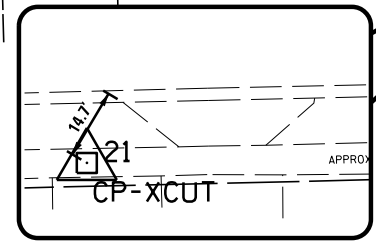
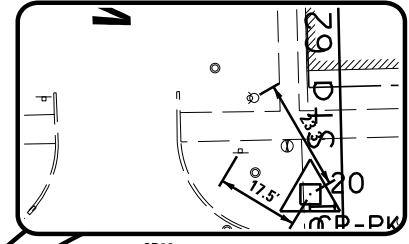
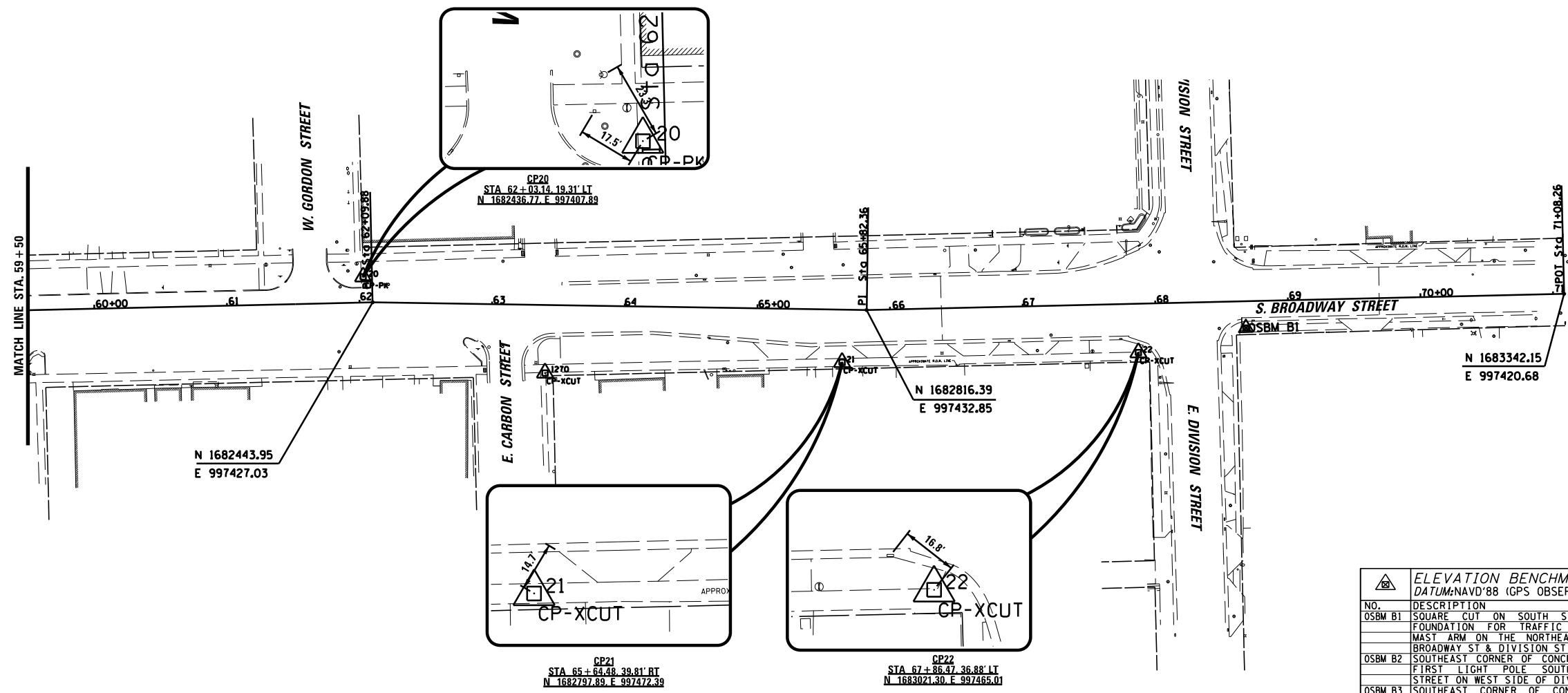
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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

BROADWAY STREET  
ALIGNMENT, TIES, AND BENCHMARKS  
SCALE: 2000'  
SHEET OF SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
288	14-00030-00-WR	GRUNDY	95	9
				CONTRACT NO. 87710
ILLINOIS FED. AID PROJECT				





ELEVATION BENCHMARKS DATUM: NAVD'88 (GPS OBSERVED)		
NO.	DESCRIPTION	ELEV.
OSBM B1	SQUARE CUT ON SOUTH SIDE OF CONC. FOUNDATION FOR TRAFFIC SIGNAL WITH MAST ARM ON THE NORTHEAST CORNER OF BROADWAY ST & DIVISION ST	564.00
OSBM B2	SOUTHEAST CORNER OF CONCRETE BASE FOR FIRST LIGHT POLE SOUTH OF CHURCH STREET ON WEST SIDE OF DIVERSY ST	566.93
OSBM B3	SOUTHEAST CORNER OF CONC. BASE FOR LIGHT POLE ON THE NORTHWEST CORNER OF WILLOW ST & BROADWAY ST	565.36
OSBM B4	SOUTHWEST CORNER OF CONC. BASE FOR LIGHT POLE IN FRONT OF COAL CITY POLICE DEPARTMENT BUILDING #545	568.25

9575 W. Higgins Road, Suite 600  
 Rosemont, Illinois 60018  
 (847) 823-0500

USER NAME = rhowellindgren  
 PLOT SCALE = 2000'  
 PLOT DATE = 11/13/2018

DESIGNED - MBT  
 DRAWN - MBT  
 CHECKED - SNS  
 DATE -

REVISED -  
 REVISED -  
 REVISED -  
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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**BROADWAY STREET  
 ALIGNMENT, TIES, AND BENCHMARKS**

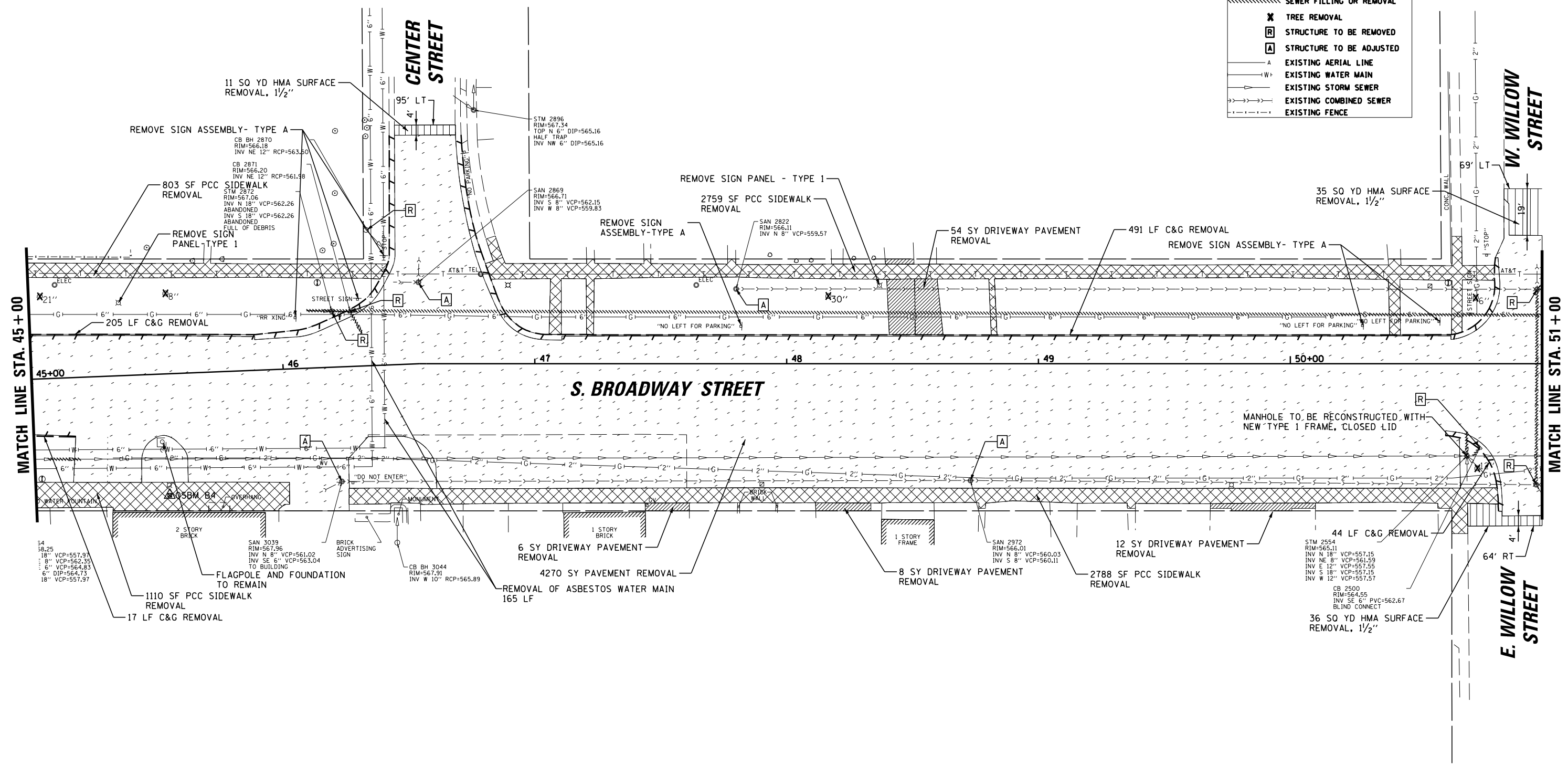
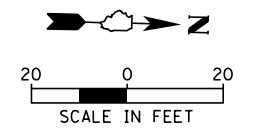
SCALE: 2000'      SHEET      OF      SHEETS      STA.      TO      STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
288	14-00030-00-WR	GRUNDY	95	10

**CONTRACT NO. 87710**  
 ILLINOIS FED. AID PROJECT



LEGEND	
	SIDEWALK REMOVAL
	PAVEMENT REMOVAL
	DRIVEWAY PAVEMENT REMOVAL
	HMA SURFACE REMOVAL, 2"
	COMBINATION CONCRETE CURB AND GUTTER REMOVAL
	SEWER FILLING OR REMOVAL
	TREE REMOVAL
	STRUCTURE TO BE REMOVED
	STRUCTURE TO BE ADJUSTED
	EXISTING AERIAL LINE
	EXISTING WATER MAIN
	EXISTING STORM SEWER
	EXISTING COMBINED SEWER
	EXISTING FENCE



9575 W. Higgins Road, Suite 600  
Rosemont, Illinois 60018  
(847) 823-0500

USER NAME = rhowellindgren	DESIGNED - MBT	REVISED -
DRAWN - MBT	REVISIONS -	
PLOT SCALE = 48"	CHECKED - SNS	REVISED -
PLOT DATE = 11/13/2018	DATE -	REVISED -

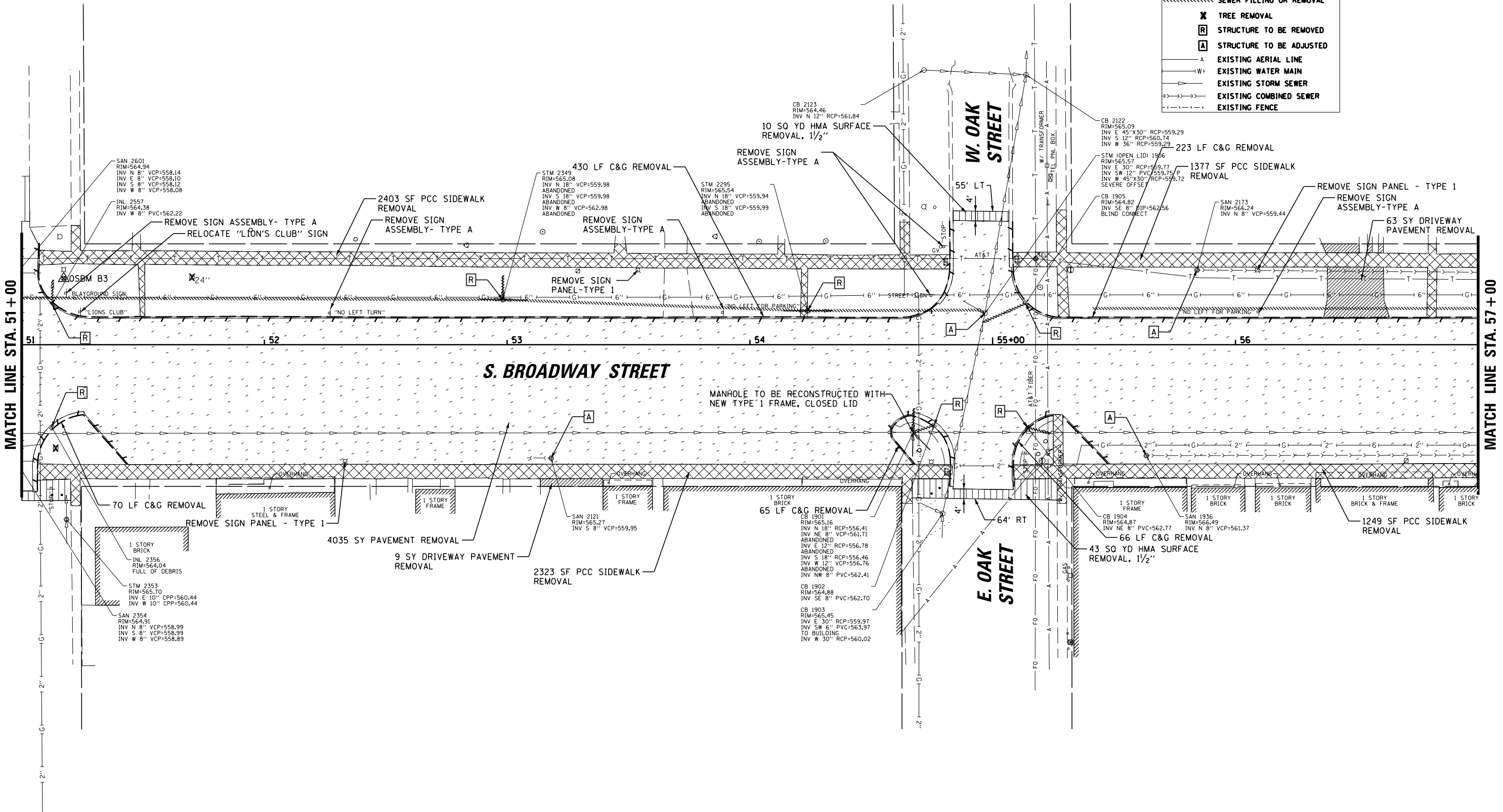
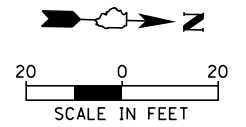
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>BROADWAY STREET EXISTING CONDITIONS AND REMOVAL PLANS</b>			
SCALE: 40'	SHEET 2	OF 5 SHEETS	STA. 45+00 TO STA. 51+00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
288	14-00030-00-WR	GRUNDY	95	12
CONTRACT NO. 87710				
ILLINOIS FED. AID PROJECT				

FILE NAME = N:\Coal City\170314\Civil\REM\_170314\_03.DGN

LEGEND	
	SIDEWALK REMOVAL
	PAVEMENT REMOVAL
	DRIVEWAY PAVEMENT REMOVAL
	HMA SURFACE REMOVAL, 2"
	COMBINATION CONCRETE CURB AND GUTTER REMOVAL
	SEWER FILLING OR REMOVAL
	TREE REMOVAL
	STRUCTURE TO BE REMOVED
	STRUCTURE TO BE ADJUSTED
	EXISTING AERIAL LINE
	EXISTING WATER MAIN
	EXISTING STORM SEWER
	EXISTING COMBINED SEWER
	EXISTING FENCE



9575 W. Higgins Road, Suite 600  
 Rosemont, Illinois 60018  
 (847) 823-0500

USER NAME = rhowellindgren  
 PLOT SCALE = 40'  
 PLOT DATE = 11/13/2018

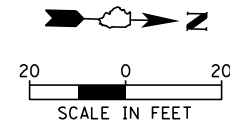
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STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

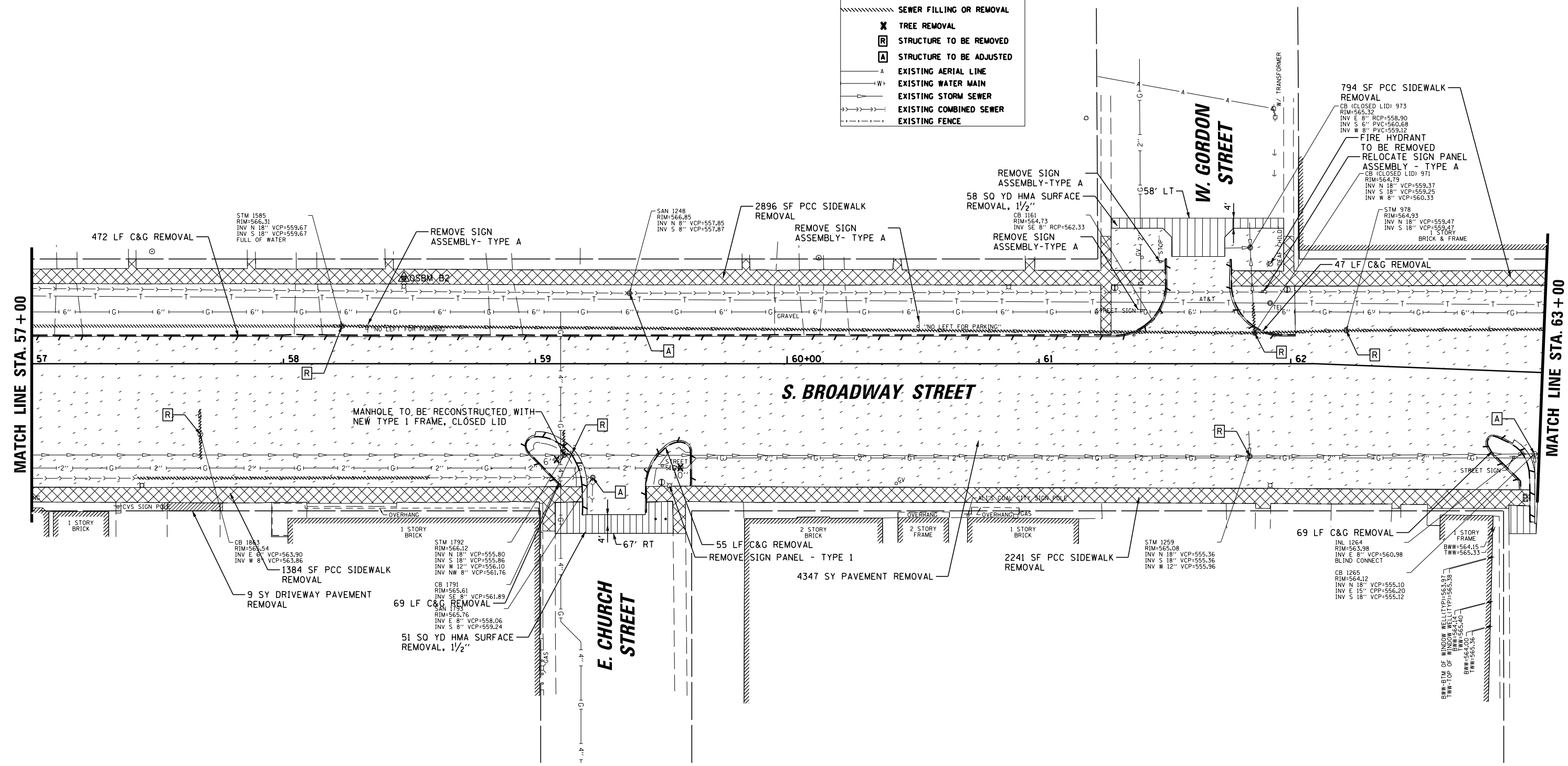
BROADWAY STREET  
 EXISTING CONDITIONS AND REMOVAL PLANS  
 SCALE: 40' SHEET 3 OF 5 SHEETS STA. 51+00 TO STA. 57+00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
288	14-00030-00-WR	GRUNDY	95	13
CONTRACT NO. 87710				
ILLINOIS FED. AID PROJECT				



**LEGEND**

	SIDEWALK REMOVAL
	PAVEMENT REMOVAL
	DRIVEWAY PAVEMENT REMOVAL
	HMA SURFACE REMOVAL, 2"
	COMBINATION CONCRETE CURB AND GUTTER REMOVAL
	SEWER FILLING OR REMOVAL
	TREE REMOVAL
	STRUCTURE TO BE REMOVED
	STRUCTURE TO BE ADJUSTED
	EXISTING AERIAL LINE
	EXISTING WATER MAIN
	EXISTING STORM SEWER
	EXISTING COMBINED SEWER
	EXISTING FENCE



**EG** 9575 W. Higgins Road, Suite 600  
Rosemont, Illinois 60018  
(847) 823-0500

USER NAME = rhowellindgren	DESIGNED - MBT	REVISED -
PLOT SCALE = 48"	DRAWN - MBT	REVISED -
PLOT DATE = 11/13/2018	CHECKED - SNS	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**BROADWAY STREET  
EXISTING CONDITIONS AND REMOVAL PLANS**

SCALE: 40' SHEET 4 OF 5 SHEETS STA. 57+00 TO STA. 63+00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
288	14-00030-00-WR	GRUNDY	95	14
CONTRACT NO. 87710				
ILLINOIS FED. AID PROJECT				

FILE NAME = N:\Coal City\170314\Civil\REM.170314\_05.DGN

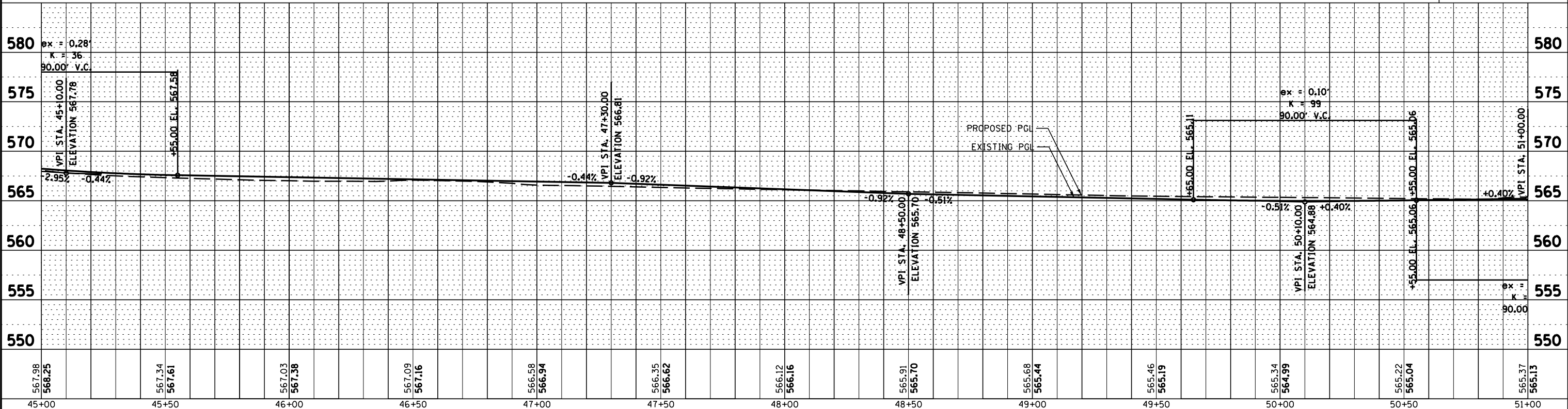
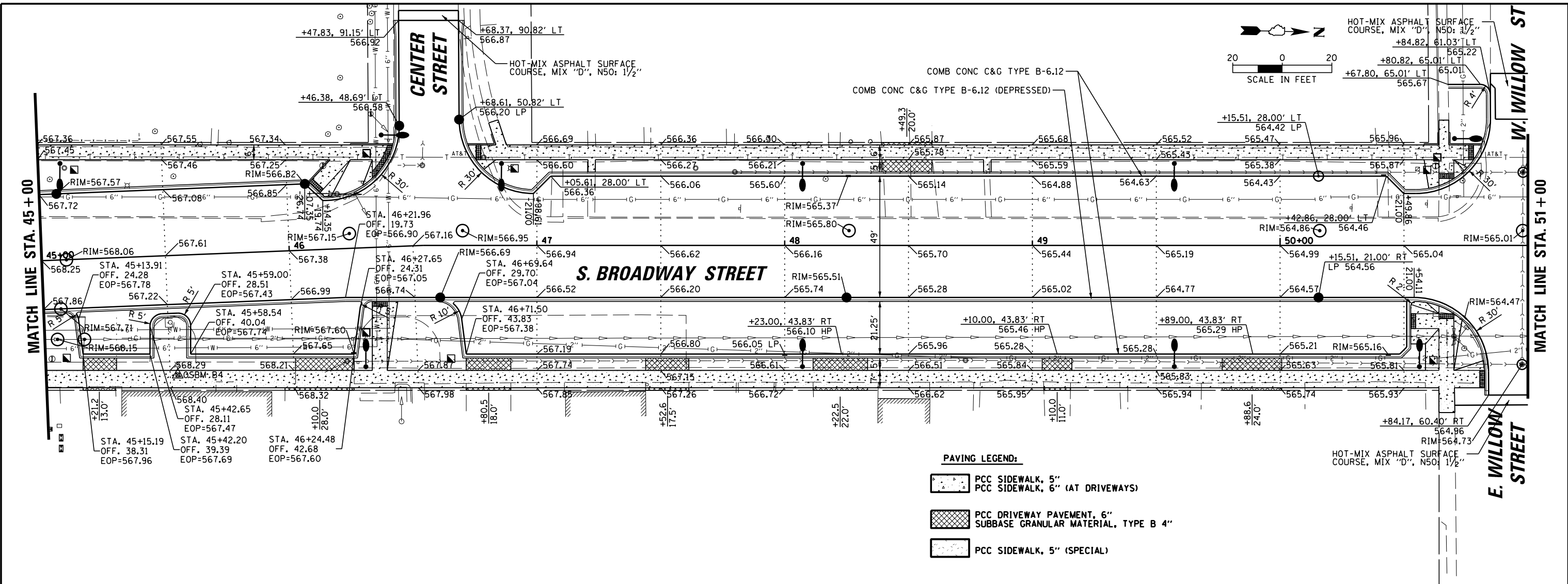






DATE	
BY	
PLAN	SURVEYED
	PLOTTED
	ALIGNED
	CHECKED
	DESIGNED
	NO. _____
	FILE NAME

DATE	
BY	
PROFILE	SURVEYED
	PLOTTED
	GRADES CHECKED
	STRUCTURE NOTATIONS CHECKED
	NO. _____
	FILE NAME



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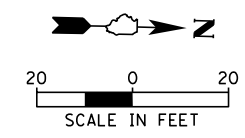
**IBC**  
9575 W. Higgins Road, Suite 600  
Rosemont, Illinois 60018  
(847) 823-0500

USER NAME = rhowellindgren	DESIGNED MBT	REVISED -
DRAWN MBT	REVISED -	
CHECKED SNS	REVISED -	
DATE -	REVISED -	

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

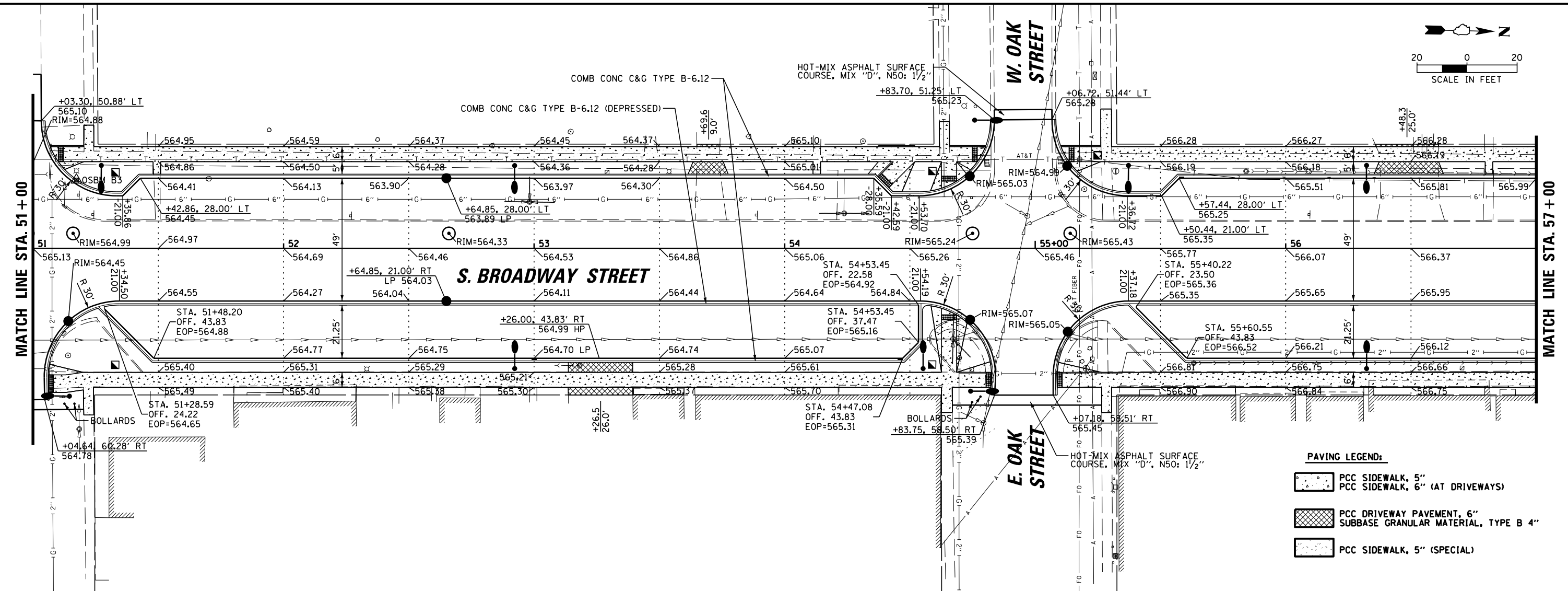
**BROADWAY STREET  
ROADWAY PLAN AND PROFILE**  
SCALE: 40' SHEET 2 OF 5 SHEETS STA. 45+00 TO STA. 51+00

F.A.S. RTE. 288	SECTION 14-00030-00-WR	COUNTY GRUNDY	TOTAL SHEETS 95	SHEET NO. 17
CONTRACT NO. 87710			ILLINOIS FED. AID PROJECT	



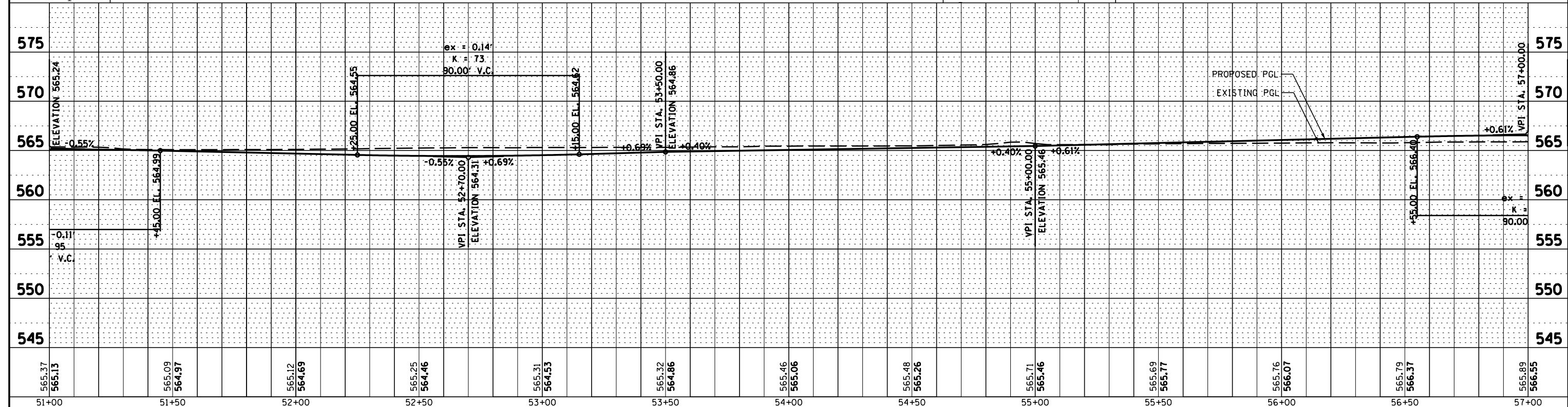
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	PLOTTED	BY
	GRADES CHECKED	
	STRUCTURE NOTATIONS OK'D	
	NO. _____	

PROFILE	SURVEYED	DATE
	PLOTTED	BY
	GRADES CHECKED	
	STRUCTURE NOTATIONS OK'D	
	NO. _____	



**PAVING LEGEND:**

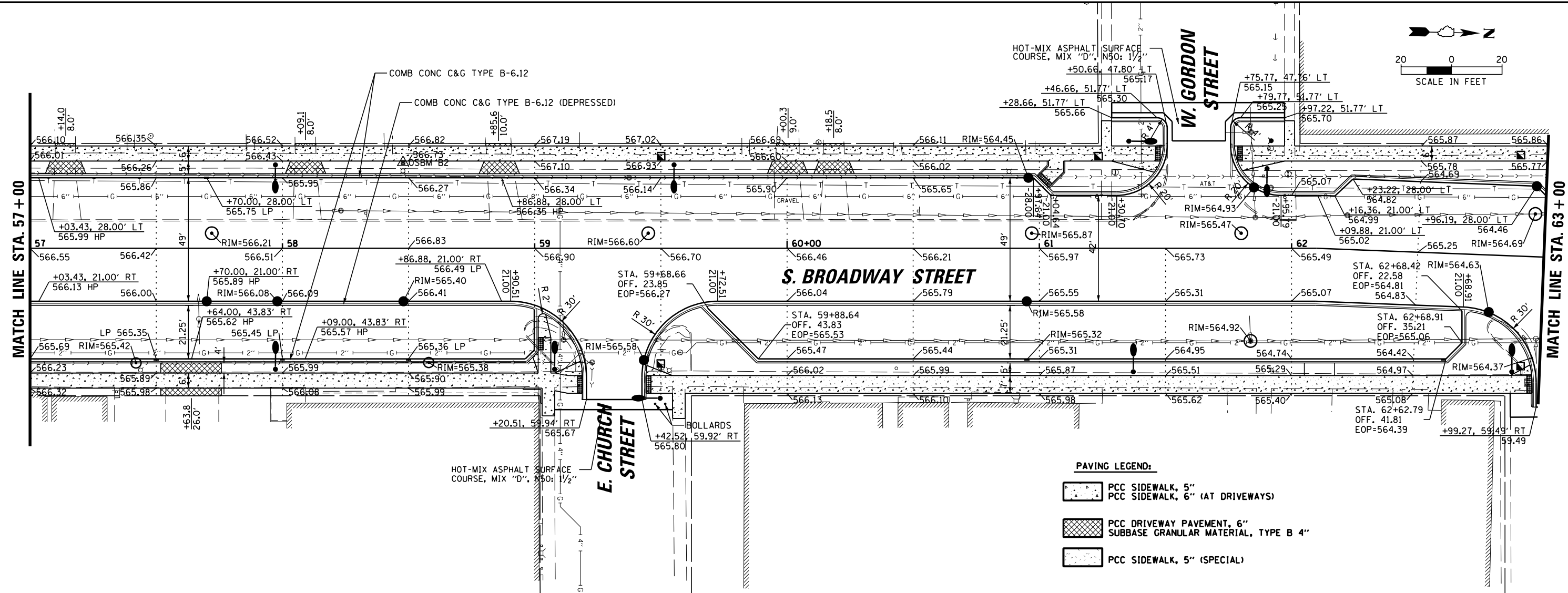
	PCC SIDEWALK, 5"
	PCC SIDEWALK, 6" (AT DRIVEWAYS)
	PCC DRIVEWAY PAVEMENT, 6"
	SUBBASE GRANULAR MATERIAL, TYPE B 4"
	PCC SIDEWALK, 5" (SPECIAL)



	9575 W. Higgins Road, Suite 600 Rosemont, Illinois 60018 (847) 823-0500	USER NAME = rhowellindgren DESIGNED MBT DRAWN MBT CHECKED SNS DATE -	REVISIONS REVISED - REVISED - REVISED - REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>		<b>BROADWAY STREET ROADWAY PLAN AND PROFILE</b>		F.A.S. RT. 288 SECTION 14-00030-00-WR COUNTY GRUNDY TOTAL SHEETS 95 SHEET NO. 18 CONTRACT NO. 87710	ILLINOIS FED. AID PROJECT
	PLOT SCALE = 48"		DATE -		SCALE: 40'		SHEET 3 OF 5 SHEETS		STA. 51+00 TO STA. 57+00
	PLOT DATE = 11/13/2018		DATE -		STA. 51+00 TO STA. 57+00		SHEET 3 OF 5 SHEETS		ILLINOIS FED. AID PROJECT
	FILE NAME = N:\Coal City\170314\Civil\PRPP_170314_04.DGN		DATE -		STA. 51+00 TO STA. 57+00		SHEET 3 OF 5 SHEETS		ILLINOIS FED. AID PROJECT

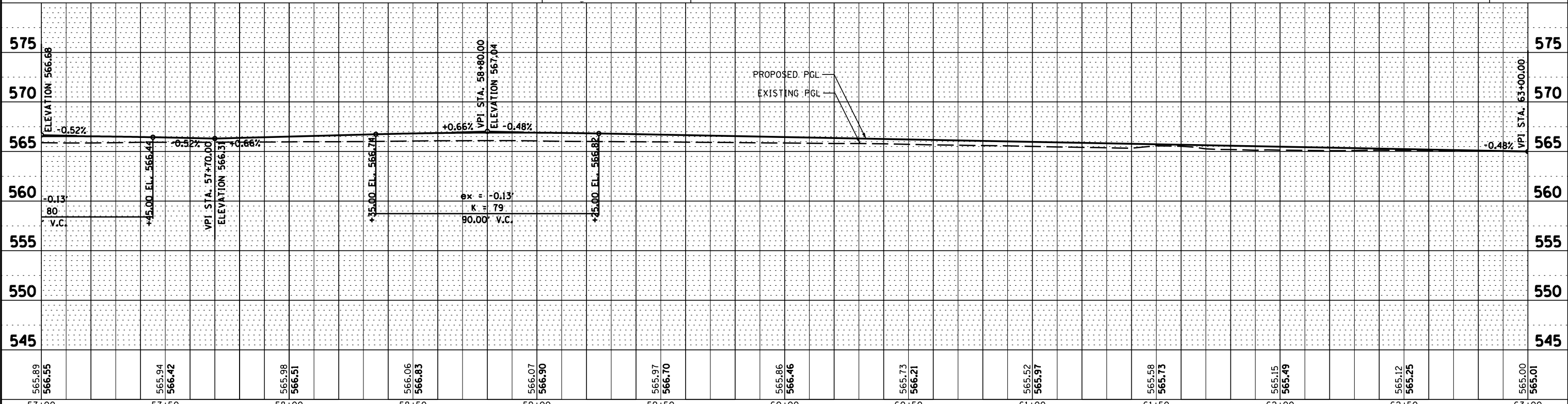
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	PLOTTED	
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	NOTE BOOK NO.	
	FILE NAME	

PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	NOTE BOOK NO.	
	FILE NAME	



**PAVING LEGEND:**

- PCC SIDEWALK, 5"
- PCC SIDEWALK, 6" (AT DRIVEWAYS)
- PCC DRIVEWAY PAVEMENT, 6"
- SUBBASE GRANULAR MATERIAL, TYPE B 4"
- PCC SIDEWALK, 5" (SPECIAL)



57+00	57+50	58+00	58+50	59+00	59+50	60+00	60+50	61+00	61+50	62+00	62+50	63+00
565.89	565.94	565.98	566.06	566.07	565.97	565.86	565.73	565.52	565.58	565.15	565.12	565.00
566.55	566.42	566.51	566.83	566.90	566.70	566.46	566.21	565.97	565.73	565.49	565.25	565.01

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USER NAME = rhowellindgren	DESIGNED MBT	REVISED -
	DRAWN MBT	REVISED -
	CHECKED SNS	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

<b>BROADWAY STREET</b>	
<b>ROADWAY PLAN AND PROFILE</b>	
SCALE: 40'	SHEET 4 OF 5 SHEETS
STA. 57+00	TO STA. 63+00

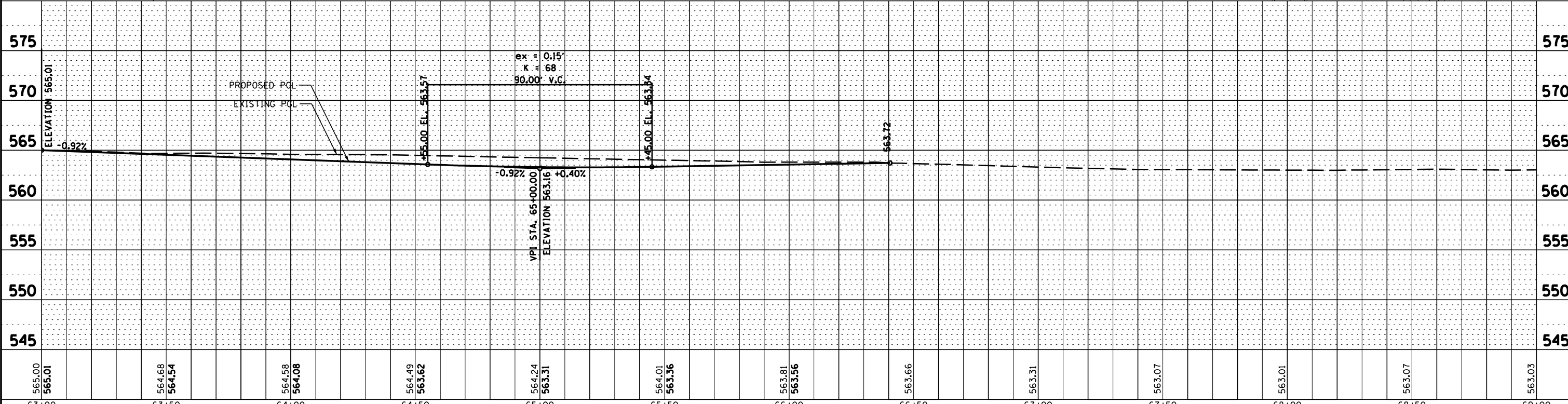
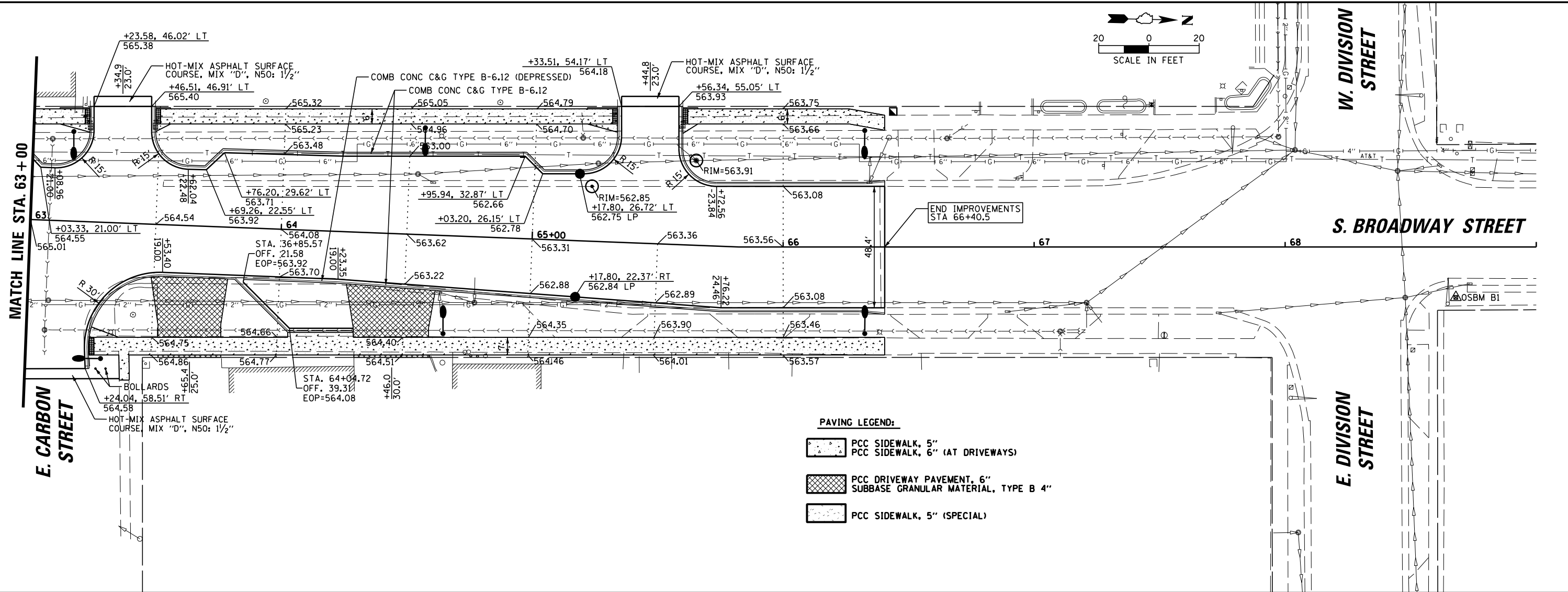
F.A.S. RTE. 288	SECTION 14-00030-00-WR	COUNTY GRUNDY	TOTAL SHEETS 95	SHEET NO. 19
CONTRACT NO. 87710			ILLINOIS FED. AID PROJECT	

FILE NAME = N:\Coal City\170314\Civil\PRPP\_170314\_05.DGN



PLAN	SURVEYED	DATE
	PLOTTED	
	ALIGNED	
	CHECKED	
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	NO.	

PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES	
	CHECKED	
	STRUCTURE	
	NOTATIONS	
	CHKD	
	NO.	



565.00	565.01	564.68	564.54	564.58	564.08	564.49	563.62	564.24	563.31	564.01	563.36	563.81	563.56	563.66	563.31	563.07	563.01	563.07	563.03	
63+00	63+50	64+00	64+50	65+00	65+50	66+00	66+50	67+00	67+50	68+00	68+50	69+00								

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Rosemont, Illinois 60018  
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USER NAME = rhowellindgren	DESIGNED MBT	REVISED -
DRAWN MBT	REVISED -	
CHECKED SNS	REVISED -	
DATE -	REVISED -	

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

BROADWAY STREET  
ROADWAY PLAN AND PROFILE  
SCALE: 40' SHEET 5 OF 5 SHEETS STA. 63+00 TO STA. 66+40.5

F.A.S. RTE. 288	SECTION 14-00030-00-WR	COUNTY GRUNDY	TOTAL SHEETS 95	SHEET NO. 20
CONTRACT NO. 87710			ILLINOIS FED. AID PROJECT	

# MOT GENERAL NOTES

- THE CONTRACTOR SHALL PLACE ONE CHANGEABLE MESSAGE SIGN AT EACH END OF THE PROJECT SEVEN DAYS BEFORE CONSTRUCTION BEGINS AND SEVEN DAYS PRIOR TO A CHANGE IN CONSTRUCTION STAGING. THIS WORK WILL BE PAID FOR AS CHANGEABLE MESSAGE SIGN. THE ENGINEER WILL DETERMINE THE MESSAGE THAT IS TO BE SHOWN.
- THE CONTRACTOR SHALL MAINTAIN A 4 FOOT (MINIMUM) SHOULDER ALONG THE TRAFFIC LANE ADJACENT TO THE WORK ZONE (SEE MOT TYPICAL SECTIONS). THIS SHOULDER SHALL BE EXISTING PAVEMENT, PROPOSED PAVEMENT OR COMPACTED/STABILIZED MATERIAL TO BE ULTIMATELY USED AS AGGREGATE SUBGRADE IMPROVEMENT 12". THE COST OF THIS WORK IS INCLUDED IN TRAFFIC CONTROL AND PROTECTION, (SPECIAL).
- ROADWORK REQUIRING A CLOSURE OF A LANE, WHICH HAS BEEN OPENED PREVIOUSLY TO TRAFFIC, WILL BE ALLOWED AT THE DISCRETION OF THE ENGINEER AND UNDER THE FOLLOWING CONDITIONS:
  - THE LANE CLOSURE SHALL ONLY BE IN EFFECT WHILE WORKERS ARE PRESENT IN OR NEAR THE CLOSED LANE.
  - THE CLOSED LANE WILL BE REOPENED TO TRAFFIC AT THE END OF THE WORKDAY.
  - ALL TRAFFIC CONTROL DEVICES PERTAINING TO THE LANE CLOSURE SHALL BE REMOVED FROM THE ROADWAY AT THE END OF THE WORKDAY.
- ALL AREAS UNDERCUT FOR AGGREGATE SUBGRADE IMPROVEMENT SHALL NOT BE LEFT UNFILLED OVERNIGHT. DROP-OFFS GREATER THAN 24 INCHES SHALL NOT BE LEFT UNFILLED OVERNIGHT.
- DRIVEWAY ACCESS AND ACCESS TO SIDE ROADS SHALL BE MAINTAINED AT ALL TIMES THROUGH THE USE OF "TEMPORARY ACCESS (PRIVATE ENTRANCE)" AND "TEMPORARY ACCESS (COMMERCIAL ENTRANCE)" AND "TEMPORARY ACCESS (ROAD)". DRIVEWAYS AND SIDE ROADS SHALL BE CONSTRUCTED IN STAGES, ONE HALF AT A TIME.
- MAINTENANCE OF TRAFFIC WILL INCLUDE DIRECTIONAL INDICATOR BARRICADES (IDOT STANDARD 701901) AND TEMPORARY DRIVEWAY SIGNING AS DIRECTED BY THE ENGINEER. DIRECTIONAL INDICATOR BARRICADES SHALL BE PLACED AT LANE SHIFTS AS DIRECTED BY THE ENGINEER. THE COST WILL BE INCLUDED IN THE UNIT PRICE OF TRAFFIC CONTROL AND PROTECTION, (SPECIAL). ALL ENTRANCE SIGNS WILL BE PLACED BY THE CONTRACTOR.
- UTILITY TRENCHES SHALL BE COVERED OR FILLED AT THE END OF EACH DAY. THIS WORK SHALL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION, (SPECIAL).
- SPACING OF TYPE II BARRICADES, DRUMS OR VERTICAL BARRICADES SHALL BE AS FOLLOWS: 50' C-C ON TANGENTS, 25' C-C ON TAPERS/SHIFTS, 12' C-C AROUND RADII.
- ALL SIGNAGE TO BE IN ACCORDANCE WITH MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD). MAINTENANCE OF TRAFFIC SHOWN IS THE MINIMUM REQUIRED; THE CONTRACTOR SHALL PROVIDE ADDITIONAL TRAFFIC CONTROL MEASURES AS DIRECTED BY THE ENGINEER. THIS WORK WILL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION, (SPECIAL).
- THE HMA SURFACE COURSE SHALL NOT BE PLACED UNTIL THE END OF THE JOB. TRAFFIC CONTROL AND PROTECTION FOR THIS WORK SHALL BE PER IDOT STANDARD 701502 AND SHALL BE INCLUDED IN THE COST FOR TRAFFIC CONTROL AND PROTECTION, (SPECIAL).
- ACCESS MUST BE MAINTAINED TO ALL BUSINESSES AT ALL TIMES. THIS WORK WILL BE PAID FOR AS "TEMPORARY SIDEWALK RAMP".

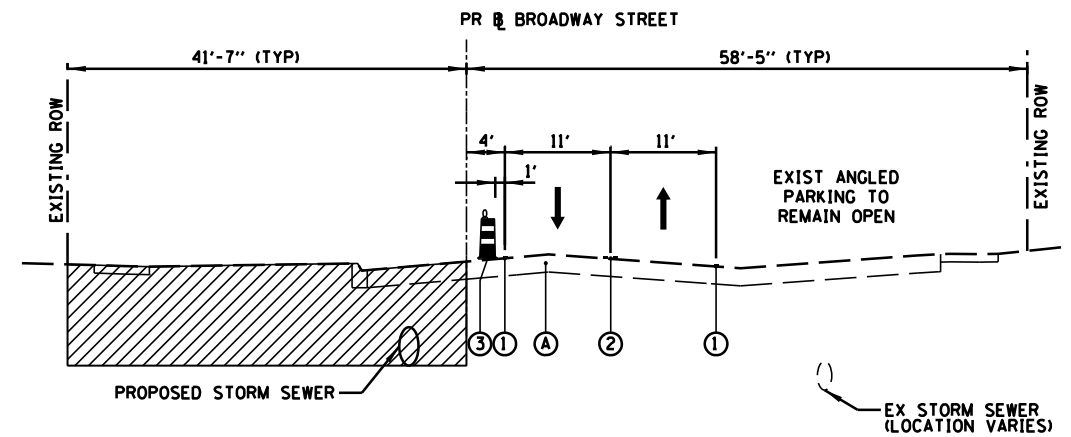
- RECONSTRUCT THE WEST SIDE OF BROADWAY STREET FROM CENTER STREET TO DIVISION STREET, INCLUDING CURB AND GUTTER AND SIDEWALK. SUBSTAGE WORK WILL BE REQUIRED TO CONSTRUCT PAVEMENT AT INTERSECTIONS. THE PROPOSED SURFACE COURSE SHALL NOT BE PLACED UNTIL AFTER STAGE 3 IS COMPLETE.
- PLACE TEMPORARY PAVEMENT MARKINGS AND TRAFFIC CONTROL AS SHOWN ON THE STAGE 2 MAINTENANCE OF TRAFFIC PLANS.

### STAGE 2 – RECONSTRUCTION OF BROADWAY STREET FROM PARK STREET TO CENTER STREET

- RELOCATE TRAFFIC AND IMPLEMENT DETOUR AS SHOWN ON STAGE 2 MAINTENANCE OF TRAFFIC SHEETS. DURING THIS STAGE, BROADWAY STREET SHALL BE CLOSED TO THROUGH TRAFFIC FROM PARK STREET TO CENTER STREET. SEE DETOUR PLANS FOR DETAILS. TRAFFIC CONTROL FROM CENTER STREET TO DIVISION STREET SHALL BE MAINTAINED AS SHOWN ON THE STAGE 1 MAINTENANCE OF TRAFFIC SHEETS.
- PLACE AND MAINTAIN SEDIMENT AND EROSION CONTROL MEASURES PER THE STORM WATER POLLUTION PREVENTION PLAN AND AS DIRECTED BY THE ENGINEER.
- ALL BNSF RAILROAD REQUIREMENTS MUST BE FOLLOWED DURING STAGE 2 CONSTRUCTION. SEE SPECIAL PROVISIONS FOR MORE INFORMATION.
- INSTALL PROPOSED STORM SEWER.
- RECONSTRUCT BROADWAY STREET FROM PARK STREET TO CENTER STREET, INCLUDING CURB AND GUTTER AND SIDEWALK. THE PROPOSED SURFACE COURSE SHALL NOT BE PLACED UNTIL AFTER STAGE 3 IS COMPLETE.
- PLACE TEMPORARY PAVEMENT MARKINGS AND TRAFFIC CONTROL AS SHOWN ON THE STAGE 3 MAINTENANCE OF TRAFFIC PLANS.
- THE DURATION OF THIS WORK SHALL NOT EXCEED 28 CALENDAR DAYS. SHOULD THE CONTRACTOR FAIL TO COMPLETE THE WORK WITHIN 28 CALENDAR DAYS, THE CONTRACTOR SHALL BE LIABLE AND SHALL PAY THE DEPARTMENT \$3,000, NOT AS A PENALTY BUT AS LIQUIDATED DAMAGES, FOR EACH DAY OF OVERRUN IN THE CONTRACT TIME OR SUCH EXTENDED TIME AS MAY HAVE BEEN ALLOWED.
- STAGE 2 MAY BE PERFORMED CONCURRENTLY WITH STAGE 1, BUT THE ALLOWABLE DURATION OF THE ROAD CLOSURE WILL NOT BE EXTENDED.

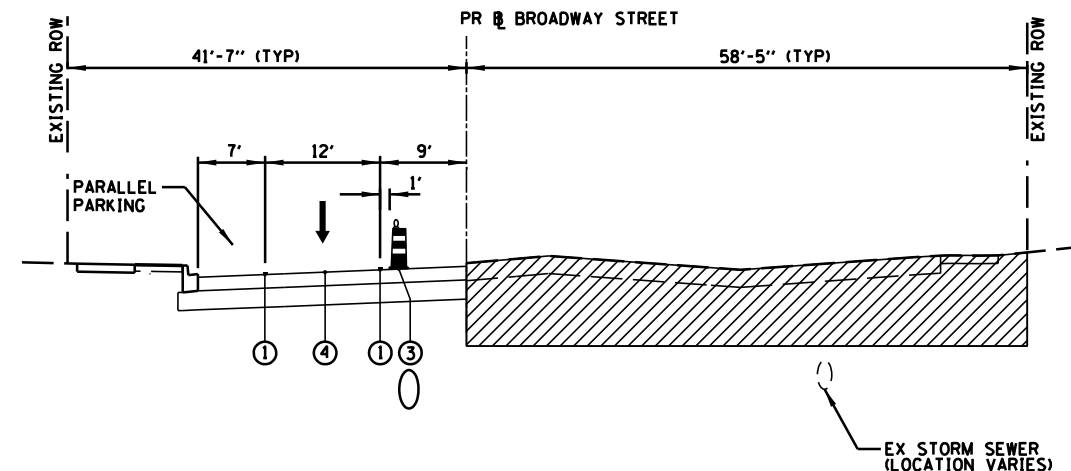
### STAGE 3 – RECONSTRUCTION OF THE EAST SIDE OF BROADWAY STREET FROM CENTER STREET TO DIVISION STREET

- RELOCATE TRAFFIC AND IMPLEMENT DETOUR AS SHOWN ON STAGE 3 MAINTENANCE OF TRAFFIC SHEETS.
- DURING THIS STAGE, BROADWAY STREET SHALL BE CLOSED TO NORTHBOUND TRAFFIC FROM PARK STREET TO DIVISION STREET. SEE DETOUR PLANS FOR DETAILS.
- PLACE AND MAINTAIN SEDIMENT AND EROSION CONTROL MEASURES PER THE STORM WATER POLLUTION PREVENTION PLAN AND AS DIRECTED BY THE ENGINEER.
- RECONSTRUCT THE EAST SIDE OF BROADWAY STREET FROM CENTER STREET TO DIVISION STREET, INCLUDING CURB AND GUTTER AND SIDEWALK. SUBSTAGE WORK WILL BE REQUIRED TO CONSTRUCT PAVEMENT AT INTERSECTIONS.
- CLEAN (SWEEP) PRIOR TO PLACING SURFACE COURSE.
- PLACE HMA SURFACE COURSE.
- PLACE FINAL PAVEMENT MARKINGS.
- COMPLETE ANY REMAINING PUNCH LIST ITEMS.



TYPICAL SECTION – STAGE 1  
BROADWAY STREET

ONE LANE OF TRAFFIC SHALL BE OPEN IN EACH DIRECTION. TRAFFIC WILL BE PLACED ON THE EAST SIDE OF THE ROAD. INSTALL PROPOSED STORM SEWER. CONSTRUCT THE WEST SIDE OF BROADWAY TO THE PROPOSED CENTERLINE.



TYPICAL SECTION – STAGE 3  
BROADWAY STREET

ONE LANE OF TRAFFIC SHALL BE OPEN IN THE SOUTHBOUND DIRECTION ONLY. TRAFFIC WILL BE PLACED ON THE NEWLY CONSTRUCTED WEST SIDE OF THE ROAD. CONSTRUCT THE EAST SIDE OF BROADWAY TO THE PROPOSED CENTERLINE.

# CONSTRUCTION STAGING

### STAGE 1 – RECONSTRUCTION OF THE WEST SIDE OF BROADWAY STREET FROM CENTER STREET TO DIVISION STREET

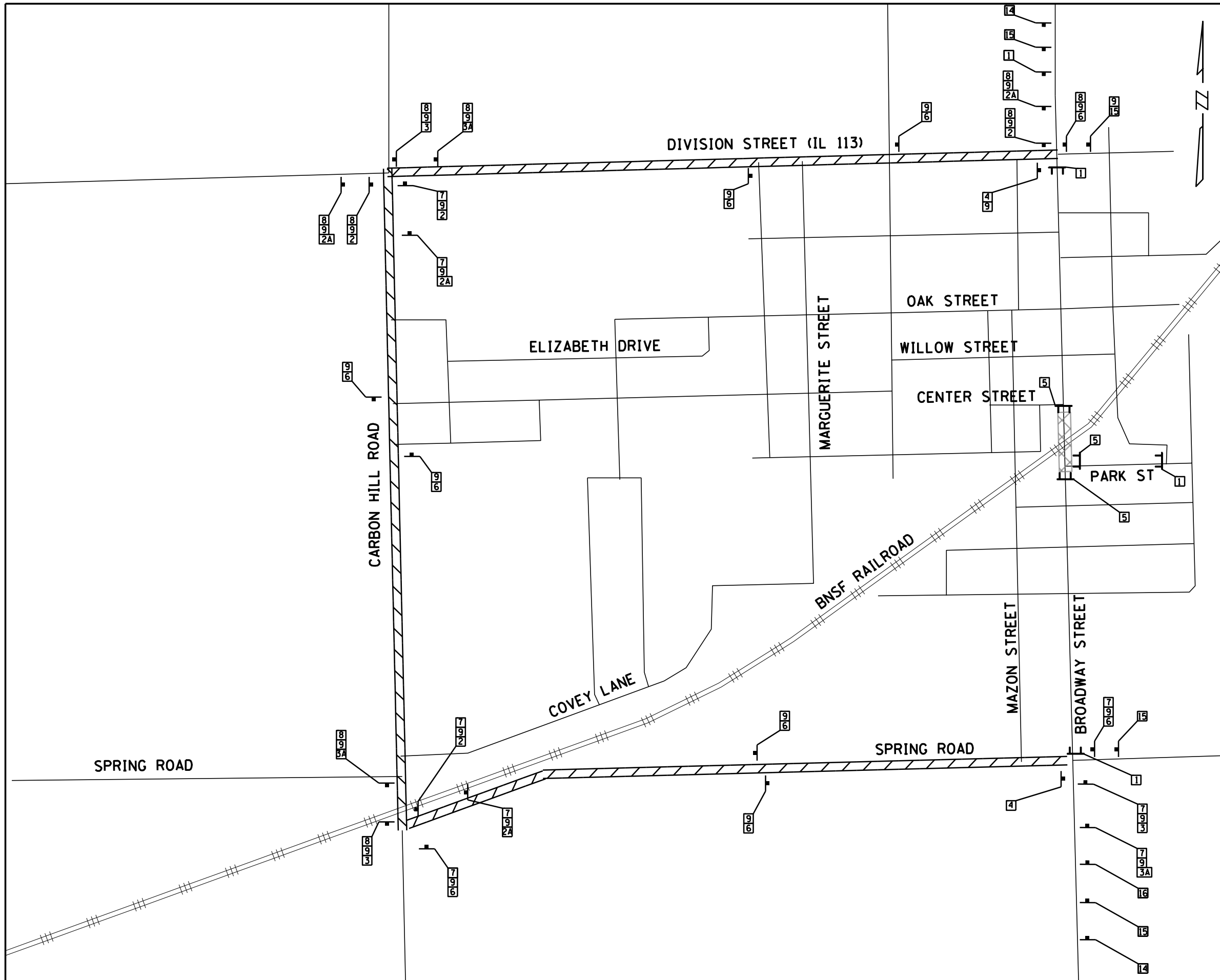
- RELOCATE TRAFFIC AS SHOWN ON THE STAGE 1 MAINTENANCE OF TRAFFIC SHEETS.
- PLACE AND MAINTAIN SEDIMENT AND EROSION CONTROL MEASURES PER THE STORM WATER POLLUTION PREVENTION PLAN AND AS DIRECTED BY THE ENGINEER.
- INSTALL PROPOSED STORM SEWER. STORM SEWER LATERALS AND EAST SIDE CATCH BASINS WILL REQUIRE PAVEMENT PATCHING. THIS WILL BE PAID FOR AS CLASS D PATCHES, TYPE III, 6 INCH AND CLASS D PATCHES, TYPE IV, 6 INCH. EAST SIDE DRAINAGE STRUCTURES SHALL BE COVERED WITH A STEEL PLATE UNTIL THE FINAL CASTING IS INSTALLED DURING STAGE 3. NO ADDITIONAL COMPENSATION WILL BE PROVIDED FOR FURNISHING, PLACING OR REMOVING THE STEEL PLATE. THE EXISTING STORM SEWER ON THE EAST SIDE OF BROADWAY STREET SHALL REMAIN ACTIVE DURING THIS STAGE.

## LEGEND

- WORK ZONE
- EXISTING PAVEMENT

- ① PAVEMENT MARKING: WHITE (SEE MOT PLAN SHEETS)
- ② PAVEMENT MARKING: YELLOW (SEE MOT PLAN SHEETS)
- ③ DRUM W/ STEADY BURN BI-DIRECTIONAL LIGHTS
- ④ PROPOSED ROADWAY (CONSTRUCTED IN PREVIOUS STAGE)

9575 W. Higgins Road, Suite 600 Rosemont, Illinois 60018 (847) 823-0500	USER NAME = rhowellindgren	DESIGNED - MBT	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>BROADWAY STREET</b> <b>MAINTENANCE OF TRAFFIC</b> <b>GENERAL NOTES TYPICAL SECTIONS</b>	F.A.S. RTE. = 288	SECTION = 14-00030-00-WR	COUNTY = GRUNDY	TOTAL SHEETS = 95	SHEET NO. = 21
	PLOT SCALE = 28'	CHECKED - SNS	REVISED -			SCALE: 20'	SHEET OF SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT	
FILE NAME = N:\Coal City\170314\Civil\MOT_TYP_170314_01.DGN	PLOT DATE = 11/13/2018	DATE -	REVISED -	CONTRACT NO. 87710						



SIGN NO.		SIGN TYPE	
1		ROAD CLOSED AT RAILROAD CROSSING	60X30
2		DETOUR M4-9 R (O) 30X24	
2A		DETOUR M4-9 R (O) 30X24	
3		DETOUR M4-9 L (O) 30X24	
3A		DETOUR M4-9 L (O) 30X24	
4		END DETOUR M4-8g (O) 24X18	
5		ROAD CLOSED R-11-2-48X18	
6		DETOUR M4-9 (O) 30X21	
7		NORTH M3-1-219 24X12	
8		SOUTH M3-1-219 24X12	
9		BROADWAY ST 8" UC LETTERS 48X18	
12		DETOUR M4-10R 48X18	
13		DETOUR M4-10L 48X18	
14		ROAD CLOSED AHEAD W20-3 48X48	
15		DETOUR AHEAD W20-2 48X48	
16		ROAD CLOSED 500 FT W20-3 48X48	

- LEGEND**
- DETOUR SIGNS, NUMBER DENOTES TYPE.
  - TYPE III BARRICADES WITH AMBER FLASHING LIGHTS.
  - DETOUR ROUTE
  - ROAD CLOSED TO ALL TRAFFIC

9575 W. Higgins Road, Suite 600  
 Rosemont, Illinois 60018  
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USER NAME = rhowellindgren  
 DESIGNED - MBT  
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 DATE -  
 PLOT SCALE = 28"  
 PLOT DATE = 11/13/2018

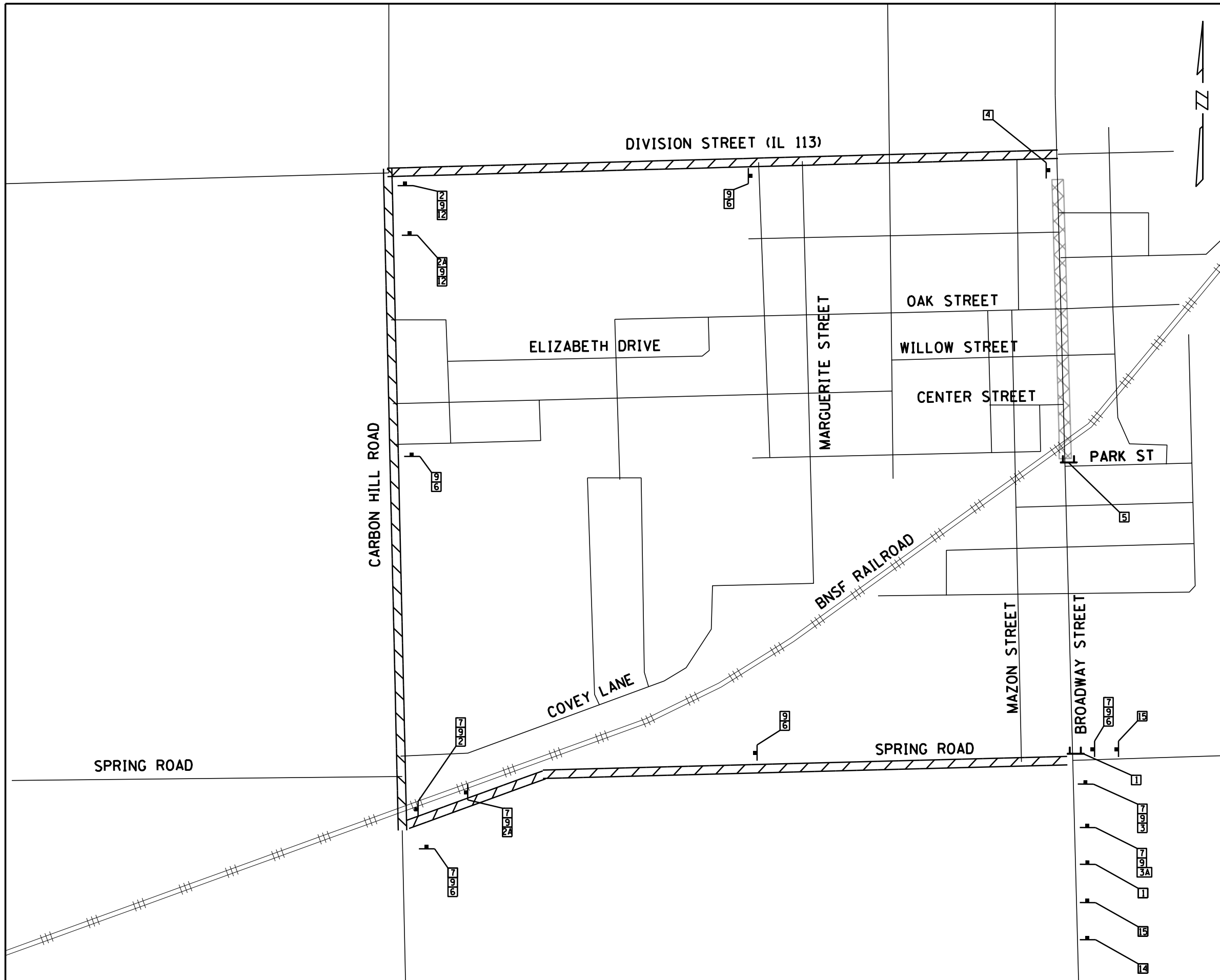
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 REVISED -  
 REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**BROADWAY STREET**  
**DETOUR PLAN - STAGE 2**

SCALE: 20' SHEET OF SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
288	14-00030-00-WR	GRUNDY	95	22
				<b>CONTRACT NO. 87710</b>
ILLINOIS FED. AID PROJECT				



SIGN NO.		SIGN TYPE	
1		ROAD CLOSED AT RAILROAD CROSSING	60X30
2		DETOUR	M4-9 R (O) 30X24
2A		DETOUR	M4-9 R (O) 30X24
3		DETOUR	M4-9 L (O) 30X24
3A		DETOUR	M4-9 L (O) 30X24
4		END DETOUR	M4-8a (O) 24X18
5		ROAD CLOSED	R-11-2-48X18
6		DETOUR	M4-9 (O) 30X21
7		NORTH	M3-1-219 24X12
8		SOUTH	M3-1-219 24X12
9		BROADWAY ST	8" UC LETTERS 48X18
12		DETOUR	M4-10R 48X18
13		DETOUR	M4-10L 48X18
14		ROAD CLOSED AHEAD	W20-3 48X48
15		DETOUR AHEAD	W20-2 48X48
16		ROAD CLOSED 500 FT	W20-3 48X48

**LEGEND**

	DETOUR SIGNS. NUMBER DENOTES TYPE.
	TYPE III BARRICADES WITH AMBER FLASHING LIGHTS.
	DETOUR ROUTE
	ROAD CLOSED TO NORTHBOUND TRAFFIC

9575 W. Higgins Road, Suite 600 Rosemont, Illinois 60018 (847) 823-0500	USER NAME = rhowellindgren	DESIGNED - MBT	REVISED -
	DRAWN - MBT	CHECKED - SNS	REVISED -
	PLLOT SCALE = 28'	DATE -	REVISED -
	PLLOT DATE = 11/13/2018		












**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

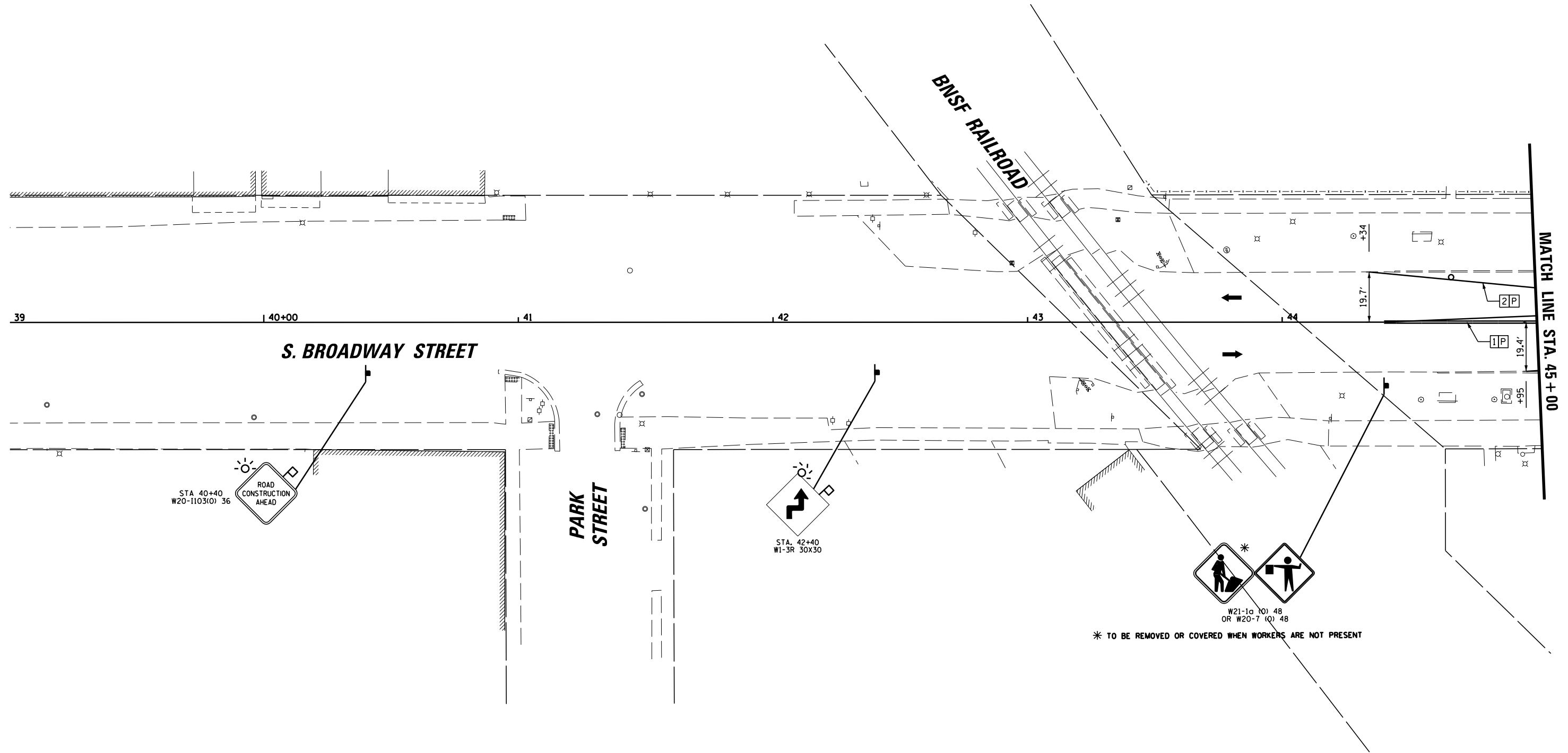
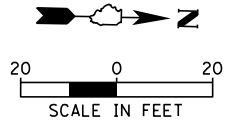
**BROADWAY STREET**  
**DETOUR PLAN - STAGE 3**

SCALE: 20'      SHEET      OF      SHEETS      STA.      TO      STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
288	14-00030-00-WR	GRUNDY	95	23
CONTRACT NO. 87710			ILLINOIS FED. AID PROJECT	

**LEGEND**

	WORK ZONE		PAVEMENT MARKING 4" (DOUBLE YELLOW)
	DRUMS WITH STEADY BURNING LIGHTS @ 50 FT CENTERS ALONG ROADWAY AND 25 FT CENTERS ALONG TAPERS OR CURVES		PAVEMENT MARKING 4" (WHITE)
	TYPE III BARRICADE WITH FLASHING LIGHT		PAVEMENT MARKING 24" (WHITE)
	WORK ZONE SIGN		PAVEMENT MARKING - LETTERS AND SYMBOLS
	TRAFFIC FLOW		TEMPORARY PAVEMENT MARKING
			PAVEMENT MARKING TAPE TYPE III



\* TO BE REMOVED OR COVERED WHEN WORKERS ARE NOT PRESENT

**CB** 9575 W. Higgins Road, Suite 600  
Rosemont, Illinois 60018  
(847) 823-0500

USER NAME = rhowellindgren	DESIGNED - MBT	REVISED -
DRAWN - MBT	REVISIONS -	
PLOT SCALE = 48"	CHECKED - SNS	REVISED -
PLOT DATE = 11/13/2018	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**












**BROADWAY STREET  
MAINTENANCE OF TRAFFIC - STAGE 1**

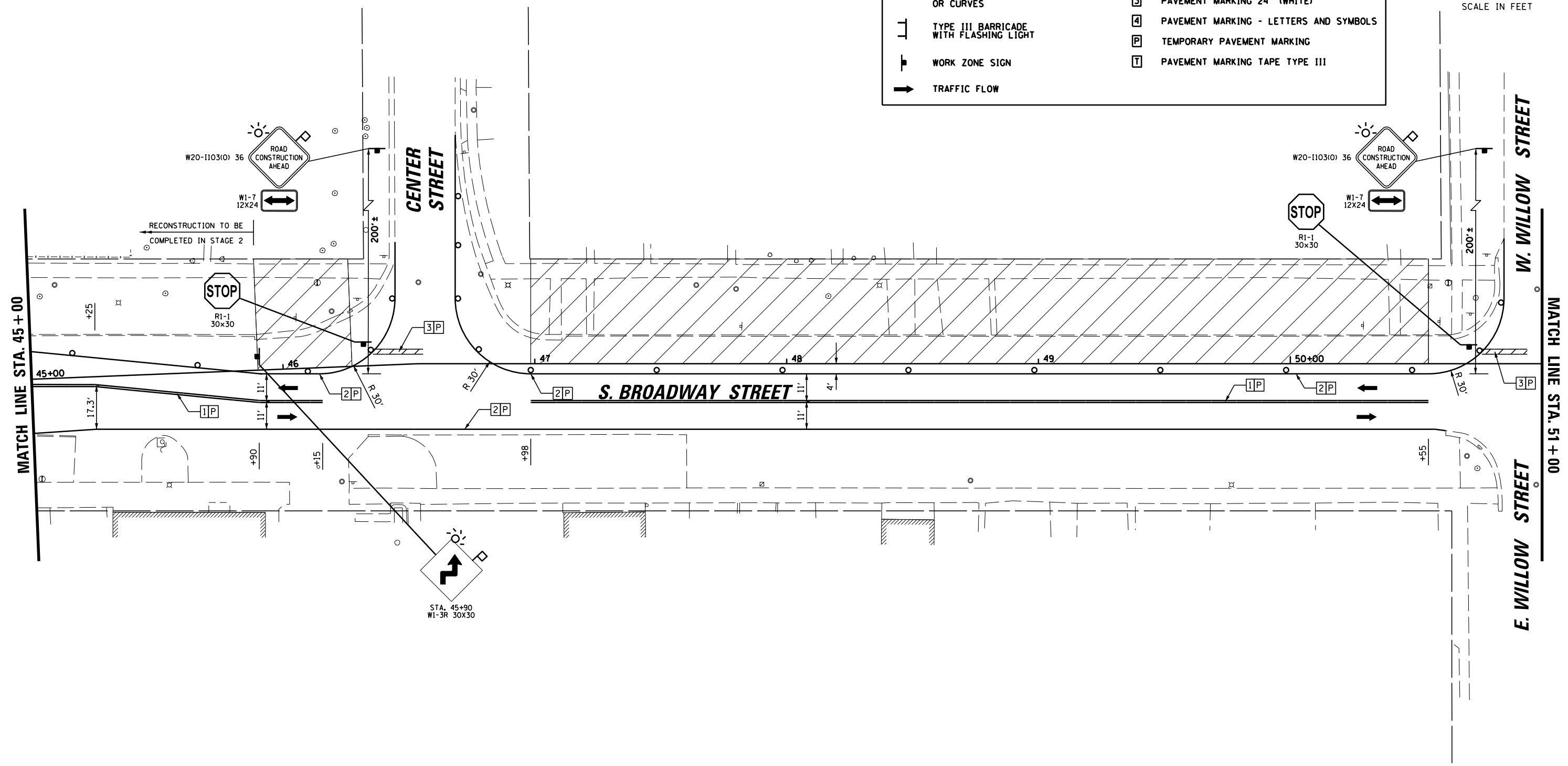
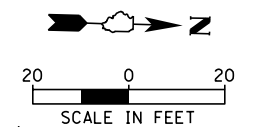
SCALE: 40' SHEET OF SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
288	14-00030-00-WR	GRUNDY	95	24
ILLINOIS FED. AID PROJECT			CONTRACT NO. 87710	



**LEGEND**

 WORK ZONE	 PAVEMENT MARKING 4" (DOUBLE YELLOW)
 DRUMS WITH STEADY BURNING LIGHTS @ 50 FT CENTERS ALONG ROADWAY AND 25 FT CENTERS ALONG TAPERS OR CURVES	 PAVEMENT MARKING 4" (WHITE)
 TYPE III BARRICADE WITH FLASHING LIGHT	 PAVEMENT MARKING 24" (WHITE)
 WORK ZONE SIGN	 PAVEMENT MARKING - LETTERS AND SYMBOLS
 TRAFFIC FLOW	 TEMPORARY PAVEMENT MARKING
	 PAVEMENT MARKING TAPE TYPE III



**B** 9575 W. Higgins Road, Suite 600  
Rosemont, Illinois 60018  
(847) 823-0500

USER NAME = rhowellindgren  
DESIGNED - MBT  
DRAWN - MBT  
CHECKED - SNS  
DATE -  
PLOT SCALE = 48"  
PLOT DATE = 11/13/2018

DESIGNED - MBT  
DRAWN - MBT  
CHECKED - SNS  
DATE -

REVISED -  
REVISED -  
REVISED -  
REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

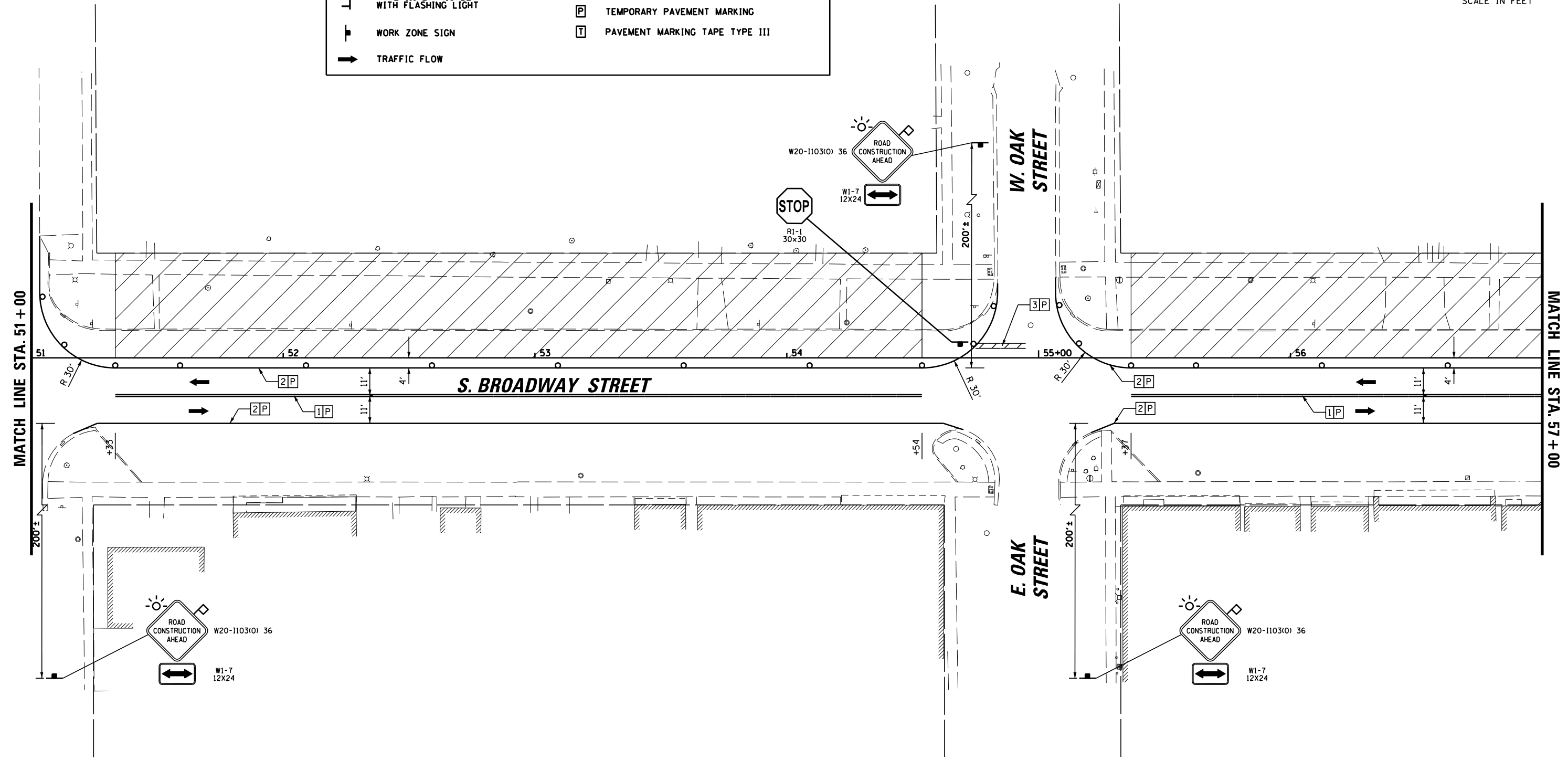
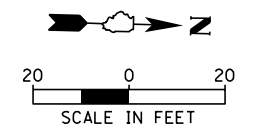
**BROADWAY STREET  
MAINTENANCE OF TRAFFIC - STAGE 1**

SCALE: 40' SHEET OF SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
288	14-00030-00-WR	GRUNDY	95	25
<b>CONTRACT NO. 87710</b>				
ILLINOIS FED. AID PROJECT				

FILE NAME = N:\Coal City\170314\Civil\M011.170314\_04.DGN

LEGEND	
	WORK ZONE
	DRUMS WITH STEADY BURNING LIGHTS @ 50 FT CENTERS ALONG ROADWAY AND 25 FT CENTERS ALONG TAPERS OR CURVES
	TYPE III BARRICADE WITH FLASHING LIGHT
	WORK ZONE SIGN
	TRAFFIC FLOW
	1 PAVEMENT MARKING 4" (DOUBLE YELLOW)
	2 PAVEMENT MARKING 4" (WHITE)
	3 PAVEMENT MARKING 24" (WHITE)
	4 PAVEMENT MARKING - LETTERS AND SYMBOLS
	P TEMPORARY PAVEMENT MARKING
	T PAVEMENT MARKING TAPE TYPE III



9575 W. Higgins Road, Suite 600  
 Rosemont, Illinois 60018  
 (847) 823-0500

USER NAME = rhowellindgren	DESIGNED - MBT	REVISED -
DRAWN - MBT	REVISIONS -	
PLOT SCALE = 48"	CHECKED - SNS	REVISED -
PLOT DATE = 11/13/2018	DATE -	REVISED -












**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

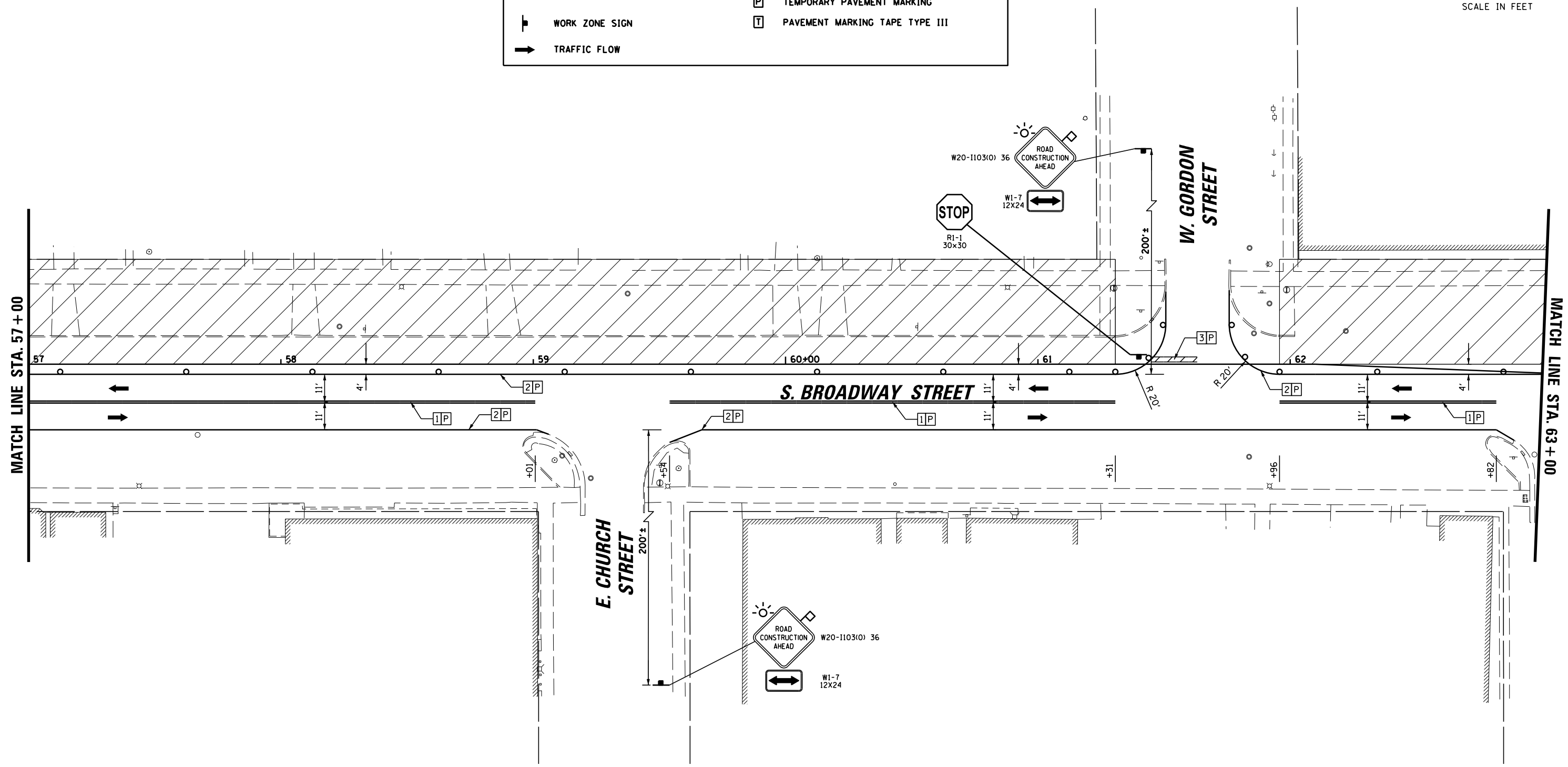
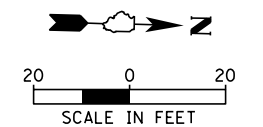
**BROADWAY STREET**  
**MAINTENANCE OF TRAFFIC - STAGE 1**

SCALE: 40' SHEET OF SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
288	14-00030-00-WR	GRUNDY	95	26
CONTRACT NO. 87710			ILLINOIS FED. AID PROJECT	

FILE NAME = N:\Coal\_City\170314\Civil\M011.170314\_05.DGN

LEGEND			
	WORK ZONE		PAVEMENT MARKING 4" (DOUBLE YELLOW)
	DRUMS WITH STEADY BURNING LIGHTS 50 FT CENTERS ALONG ROADWAY AND 25 FT CENTERS ALONG TAPERS OR CURVES		PAVEMENT MARKING 4" (WHITE)
	TYPE III BARRICADE WITH FLASHING LIGHT		PAVEMENT MARKING 24" (WHITE)
	WORK ZONE SIGN		PAVEMENT MARKING - LETTERS AND SYMBOLS
	TRAFFIC FLOW		TEMPORARY PAVEMENT MARKING
			PAVEMENT MARKING TAPE TYPE III



**B** 9575 W. Higgins Road, Suite 600  
Rosemont, Illinois 60018  
(847) 823-0500

USER NAME = rhowellindgren	DESIGNED - MBT	REVISED -
	DRAWN - MBT	REVISED -
PLOT SCALE = 48"	CHECKED - SNS	REVISED -
PLOT DATE = 11/13/2018	DATE -	REVISED -












**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

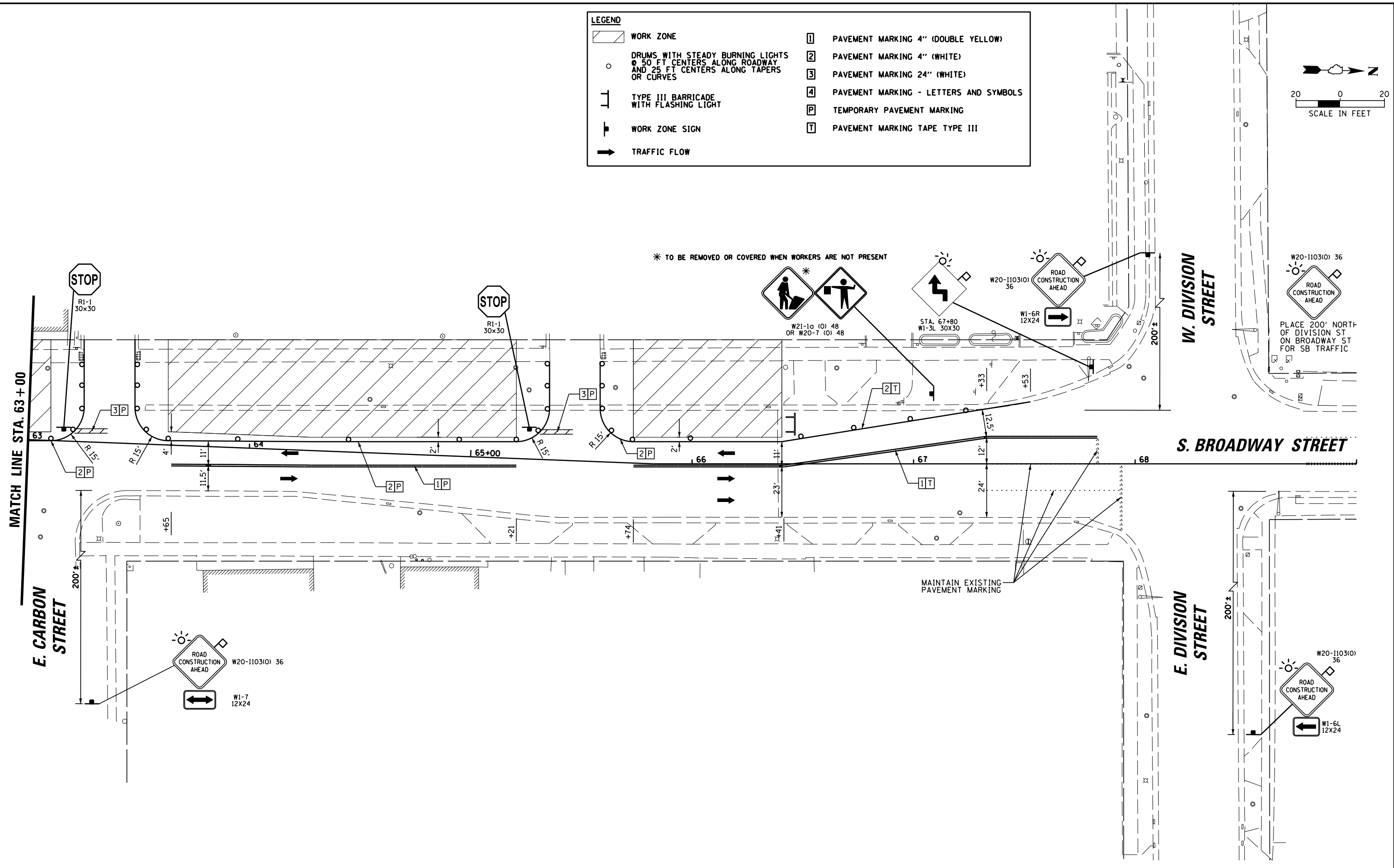
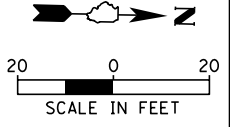
<b>BROADWAY STREET MAINTENANCE OF TRAFFIC - STAGE 1</b>			
SCALE: 40'	SHEET	OF SHEETS	STA. TO STA.

F.A.S. RTE. 288	SECTION 14-00030-00-WR	COUNTY GRUNDY	TOTAL SHEETS 95	SHEET NO. 27
<b>CONTRACT NO. 87710</b>				
ILLINOIS FED. AID PROJECT				

FILE NAME = N:\Coal\_City\170314\Civil\M011.170314\_06.DGN

**LEGEND**

 WORK ZONE	 PAVEMENT MARKING 4" (DOUBLE YELLOW)
 DRUMS WITH STEADY BURNING LIGHTS @ 50 FT CENTERS ALONG ROADWAY AND 25 FT CENTERS ALONG TAPERS OR CURVES	 PAVEMENT MARKING 4" (WHITE)
 TYPE III BARRICADE WITH FLASHING LIGHT	 PAVEMENT MARKING 24" (WHITE)
 WORK ZONE SIGN	 PAVEMENT MARKING - LETTERS AND SYMBOLS
 TRAFFIC FLOW	 TEMPORARY PAVEMENT MARKING
	 PAVEMENT MARKING TAPE TYPE III



**EGC**  
 9575 W. Higgins Road, Suite 600  
 Rosemont, Illinois 60018  
 (847) 823-0500

USER NAME = rhowellindgren  
 PLOT SCALE = 48"  
 PLOT DATE = 11/13/2018

DESIGNED - MBT  
 DRAWN - MBT  
 CHECKED - SNS  
 DATE -

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**












**BROADWAY STREET  
 MAINTENANCE OF TRAFFIC - STAGE 1**

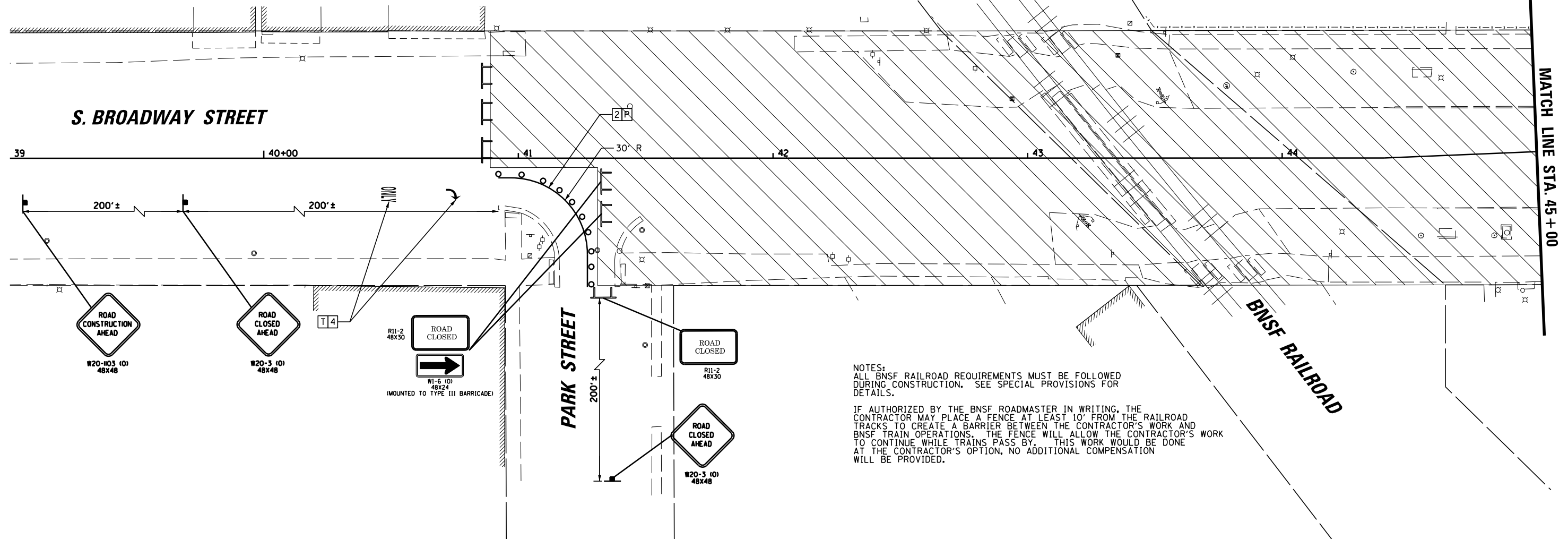
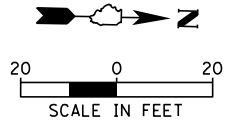
SCALE: 40' SHEET OF SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
288	14-00030-00-WR	GRUNDY	95	28
CONTRACT NO. 87710				
ILLINOIS FED. AID PROJECT				

FILE NAME = N:\Coal City\170314\Civil\M011.170314.07.DGN

**LEGEND**

 WORK ZONE	 PAVEMENT MARKING 4" (DOUBLE YELLOW)
 DRUMS WITH STEADY BURNING LIGHTS @ 50 FT CENTERS ALONG ROADWAY AND 25 FT CENTERS ALONG TAPERS OR CURVES	 PAVEMENT MARKING 4" (WHITE)
 TYPE III BARRICADE WITH FLASHING LIGHT	 PAVEMENT MARKING 24" (WHITE)
 WORK ZONE SIGN	 PAVEMENT MARKING - LETTERS AND SYMBOLS
 TRAFFIC FLOW	 TEMPORARY PAVEMENT MARKING
	 PAVEMENT MARKING TAPE TYPE III



NOTES:  
 ALL BNSF RAILROAD REQUIREMENTS MUST BE FOLLOWED DURING CONSTRUCTION. SEE SPECIAL PROVISIONS FOR DETAILS.  
 IF AUTHORIZED BY THE BNSF ROADMASTER IN WRITING, THE CONTRACTOR MAY PLACE A FENCE AT LEAST 10' FROM THE RAILROAD TRACKS TO CREATE A BARRIER BETWEEN THE CONTRACTOR'S WORK AND BNSF TRAIN OPERATIONS. THE FENCE WILL ALLOW THE CONTRACTOR'S WORK TO CONTINUE WHILE TRAINS PASS BY. THIS WORK WOULD BE DONE AT THE CONTRACTOR'S OPTION, NO ADDITIONAL COMPENSATION WILL BE PROVIDED.

**CB**  
 9575 W. Higgins Road, Suite 600  
 Rosemont, Illinois 60018  
 (847) 823-0500

USER NAME = rhowellindgren  
 PLOT SCALE = 48"  
 PLOT DATE = 11/13/2018

DESIGNED - MBT  
 DRAWN - MBT  
 CHECKED - SNS  
 DATE -












REVISED -  
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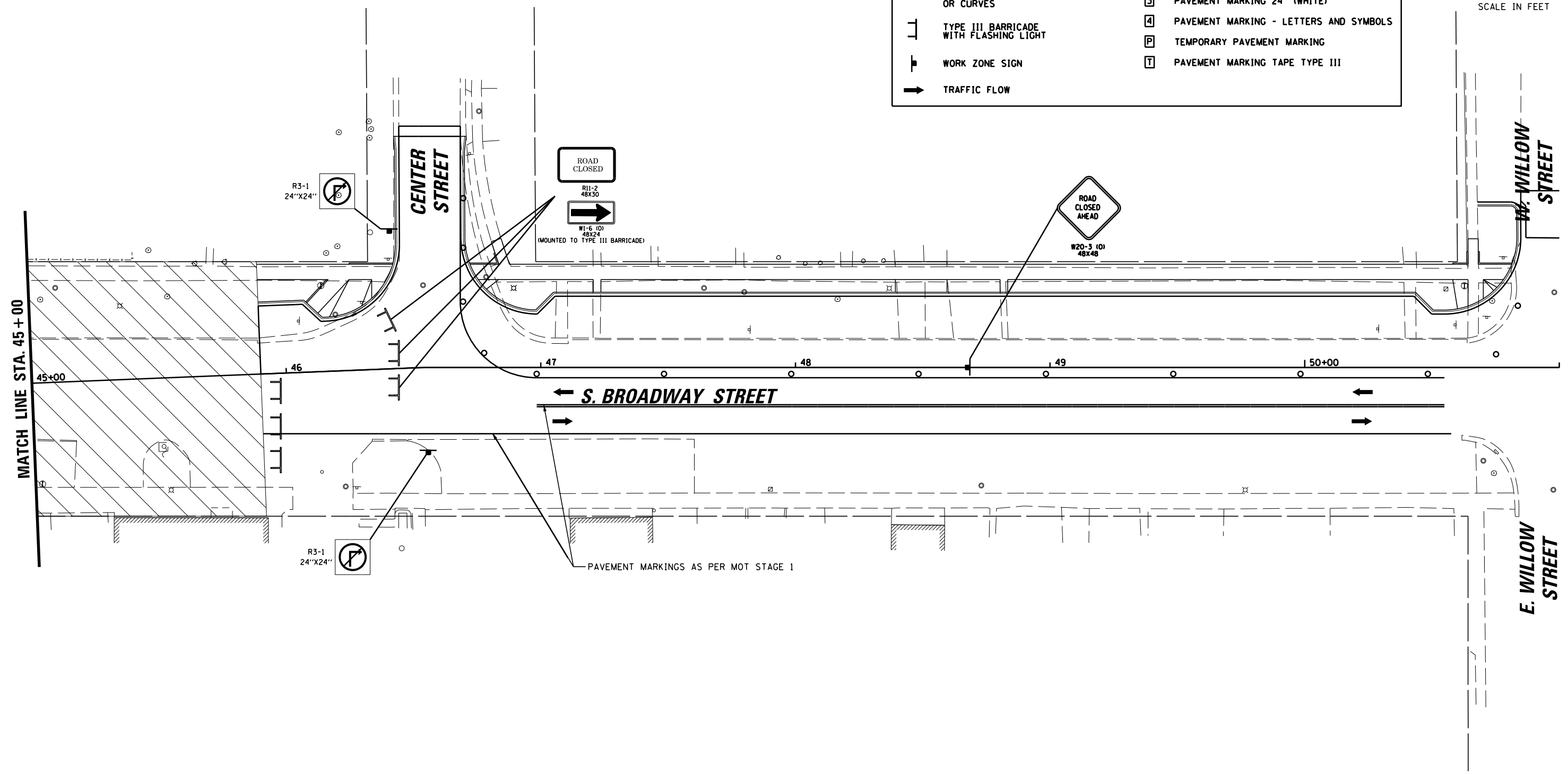
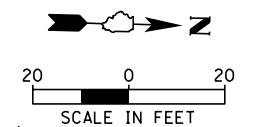
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**BROADWAY STREET  
 MAINTENANCE OF TRAFFIC - STAGE 2**  
 SCALE: 40' SHEET OF SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
288	14-00030-00-WR	GRUNDY	95	29
<b>CONTRACT NO. 87710</b>				
ILLINOIS FED. AID PROJECT				

**LEGEND**

 WORK ZONE	 PAVEMENT MARKING 4" (DOUBLE YELLOW)
 DRUMS WITH STEADY BURNING LIGHTS @ 50 FT CENTERS ALONG ROADWAY AND 25 FT CENTERS ALONG TAPERS OR CURVES	 PAVEMENT MARKING 4" (WHITE)
 TYPE III BARRICADE WITH FLASHING LIGHT	 PAVEMENT MARKING 24" (WHITE)
 WORK ZONE SIGN	 PAVEMENT MARKING - LETTERS AND SYMBOLS
 TRAFFIC FLOW	 TEMPORARY PAVEMENT MARKING
	 PAVEMENT MARKING TAPE TYPE III



MATCH LINE STA. 45+00

S. BROADWAY STREET

W. WILLOW STREET

E. WILLOW STREET

PAVEMENT MARKINGS AS PER MOT STAGE 1

**EGC**  
9575 W. Higgins Road, Suite 600  
Rosemont, Illinois 60018  
(847) 823-0500

USER NAME = rhowellindgren	DESIGNED - MBT	REVISED -
DRAWN - MBT	REVISIONS -	
PLOT SCALE = 48"	CHECKED - SNS	REVISED -
PLOT DATE = 11/13/2018	DATE -	REVISED -












STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

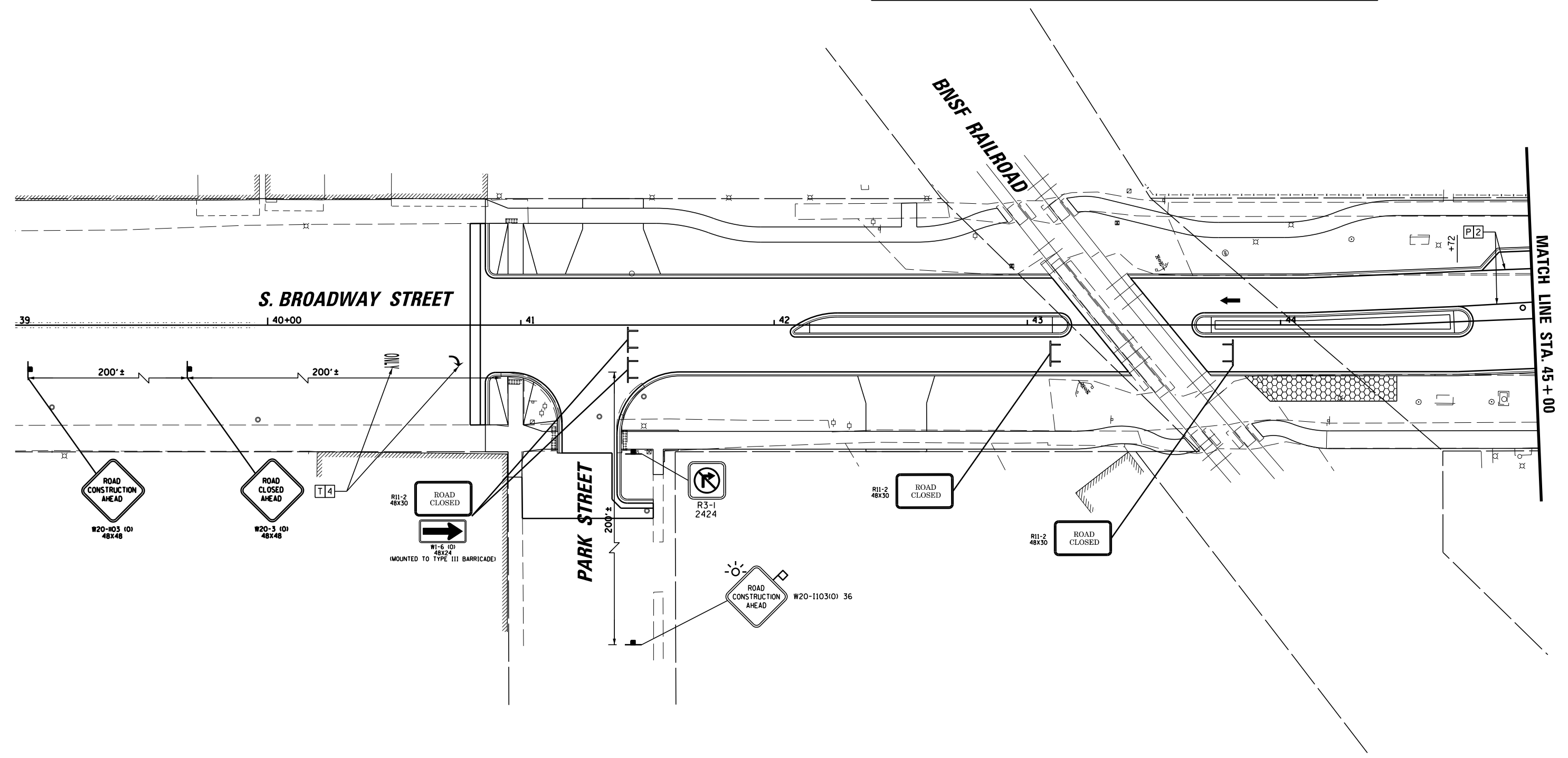
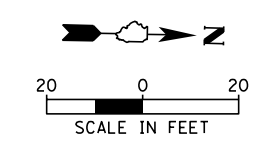
BROADWAY STREET  
MAINTENANCE OF TRAFFIC - STAGE 2

SCALE: 40' SHEET OF SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
288	14-00030-00-WR	GRUNDY	95	30
CONTRACT NO. 87710				
ILLINOIS FED. AID PROJECT				

**LEGEND**

 WORK ZONE	 PAVEMENT MARKING 4" (DOUBLE YELLOW)
 DRUMS WITH STEADY BURNING LIGHTS @ 50 FT CENTERS ALONG ROADWAY AND 25 FT CENTERS ALONG TAPERS OR CURVES	 PAVEMENT MARKING 4" (WHITE)
 TYPE III BARRICADE WITH FLASHING LIGHT	 PAVEMENT MARKING 24" (WHITE)
 WORK ZONE SIGN	 PAVEMENT MARKING - LETTERS AND SYMBOLS
 TRAFFIC FLOW	 TEMPORARY PAVEMENT MARKING
	 PAVEMENT MARKING TAPE TYPE III



**CB** 9575 W. Higgins Road, Suite 600  
Rosemont, Illinois 60018  
(847) 823-0500

USER NAME = rhowellindgren  
DESIGNED - MBT  
DRAWN - MBT  
PLOT SCALE = 48"  
PLOT DATE = 11/13/2018

CHECKED - SNS  
DATE -

REVISED -  
REVISED -  
REVISED -  
REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**BROADWAY STREET  
MAINTENANCE OF TRAFFIC - STAGE 3**












SCALE: 40' SHEET OF SHEETS STA. TO STA.

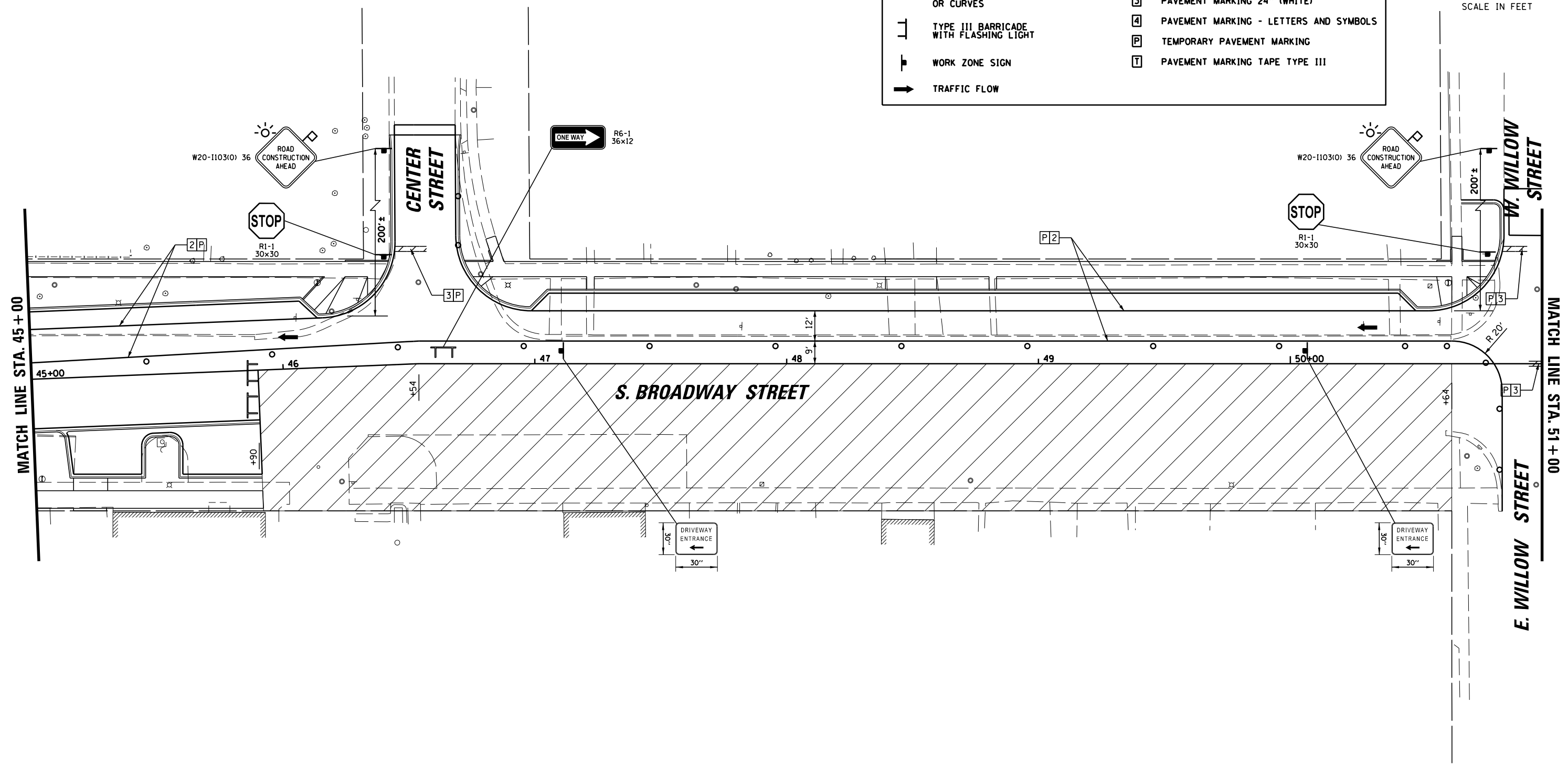
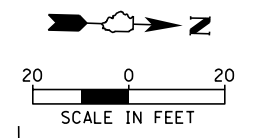
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
288	14-00030-00-WR	GRUNDY	95	31
<b>CONTRACT NO. 87710</b>				
ILLINOIS FED. AID PROJECT				

FILE NAME = N:\Coal City\170314\Civil\M0T3.170314\_03.DGN



**LEGEND**

 WORK ZONE	 PAVEMENT MARKING 4" (DOUBLE YELLOW)
 DRUMS WITH STEADY BURNING LIGHTS @ 50 FT CENTERS ALONG ROADWAY AND 25 FT CENTERS ALONG TAPERS OR CURVES	 PAVEMENT MARKING 4" (WHITE)
 TYPE III BARRICADE WITH FLASHING LIGHT	 PAVEMENT MARKING 24" (WHITE)
 WORK ZONE SIGN	 PAVEMENT MARKING - LETTERS AND SYMBOLS
 TRAFFIC FLOW	 TEMPORARY PAVEMENT MARKING
	 PAVEMENT MARKING TAPE TYPE III



**EG** 9575 W. Higgins Road, Suite 600  
Rosemont, Illinois 60018  
(847) 823-0500

USER NAME = rhowellindgren  
DESIGNED - MBT  
DRAWN - MBT  
PLOT SCALE = 48"  
PLOT DATE = 11/13/2018

REVISOR  
REVISIONS  
CHECKED - SNS  
DATE

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

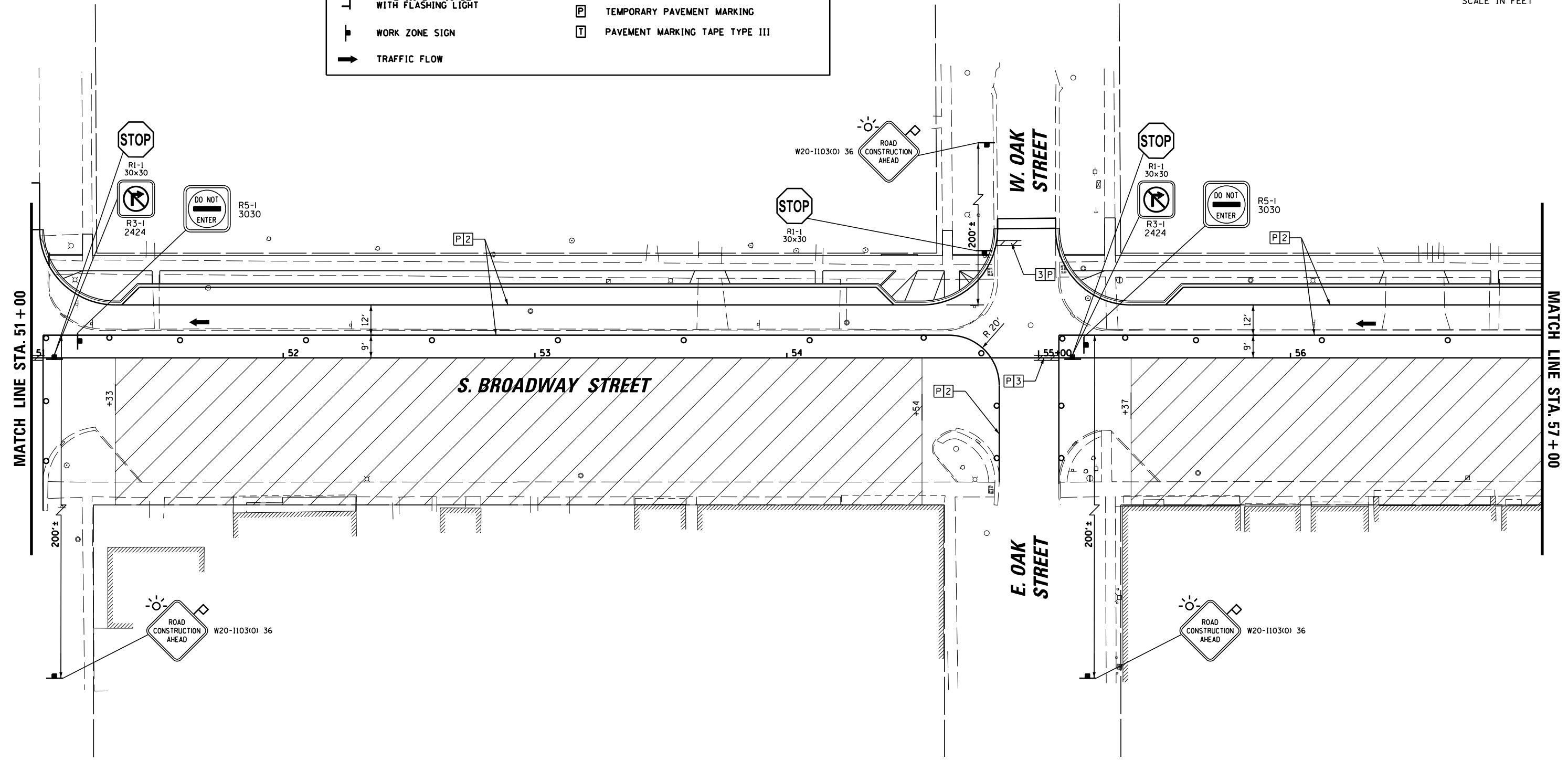
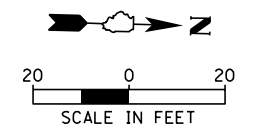
**BROADWAY STREET  
MAINTENANCE OF TRAFFIC - STAGE 3**

SCALE: 40' SHEET OF SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
288	14-00030-00-WR	GRUNDY	95	32
CONTRACT NO. 87710			ILLINOIS FED. AID PROJECT	

FILE NAME = N:\Coal\_City\170314\Civil\MOT3.170314\_04.DGN

LEGEND			
	WORK ZONE		1 PAVEMENT MARKING 4" (DOUBLE YELLOW)
	DRUMS WITH STEADY BURNING LIGHTS @ 50 FT CENTERS ALONG ROADWAY AND 25 FT CENTERS ALONG TAPERS OR CURVES		2 PAVEMENT MARKING 4" (WHITE)
	TYPE III BARRICADE WITH FLASHING LIGHT		3 PAVEMENT MARKING 24" (WHITE)
	WORK ZONE SIGN		4 PAVEMENT MARKING - LETTERS AND SYMBOLS
	TRAFFIC FLOW		P TEMPORARY PAVEMENT MARKING
			T PAVEMENT MARKING TAPE TYPE III



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










USER NAME = rhowellindgren	DESIGNED - MBT	REVISED -
DRAWN - MBT	REVISED -	
PLOT SCALE = 48"	CHECKED - SNS	REVISED -
PLOT DATE = 11/13/2018	DATE -	REVISED -

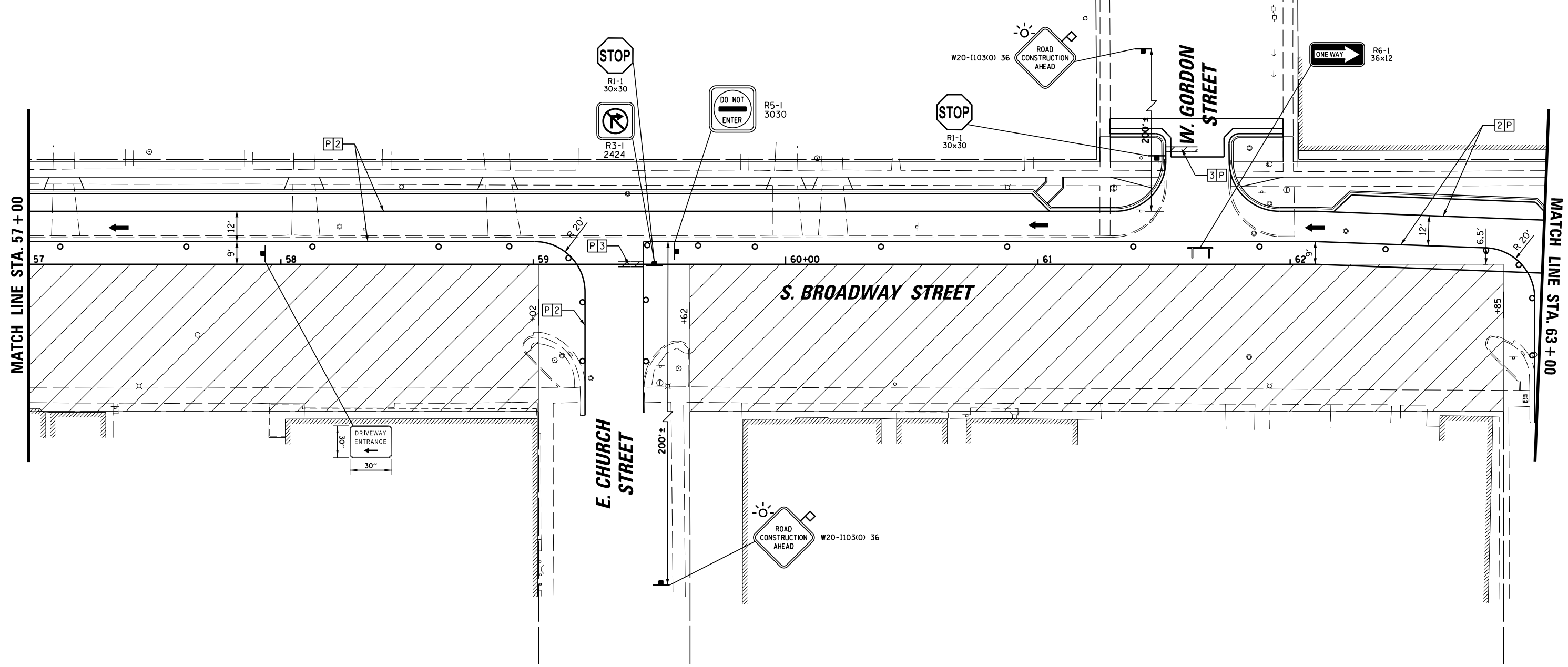
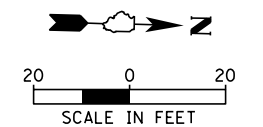
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**BROADWAY STREET**  
**MAINTENANCE OF TRAFFIC - STAGE 3**

SCALE: 40' SHEET OF SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
288	14-00030-00-WR	GRUNDY	95	33
<b>CONTRACT NO. 87710</b>				
ILLINOIS FED. AID PROJECT				

LEGEND			
	WORK ZONE		PAVEMENT MARKING 4" (DOUBLE YELLOW)
	DRUMS WITH STEADY BURNING LIGHTS 50 FT CENTERS ALONG ROADWAY AND 25 FT CENTERS ALONG TAPERS OR CURVES		PAVEMENT MARKING 4" (WHITE)
	TYPE III BARRICADE WITH FLASHING LIGHT		PAVEMENT MARKING 24" (WHITE)
	WORK ZONE SIGN		PAVEMENT MARKING - LETTERS AND SYMBOLS
	TRAFFIC FLOW		TEMPORARY PAVEMENT MARKING
			PAVEMENT MARKING TAPE TYPE III



**EGC**  
 9575 W. Higgins Road, Suite 600  
 Rosemont, Illinois 60018  
 (847) 823-0500

USER NAME = rhowellindgren	DESIGNED - MBT	REVISED -
	DRAWN - MBT	REVISED -
PLOT SCALE = 48"	CHECKED - SNS	REVISED -
PLOT DATE = 11/13/2018	DATE -	REVISED -












**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

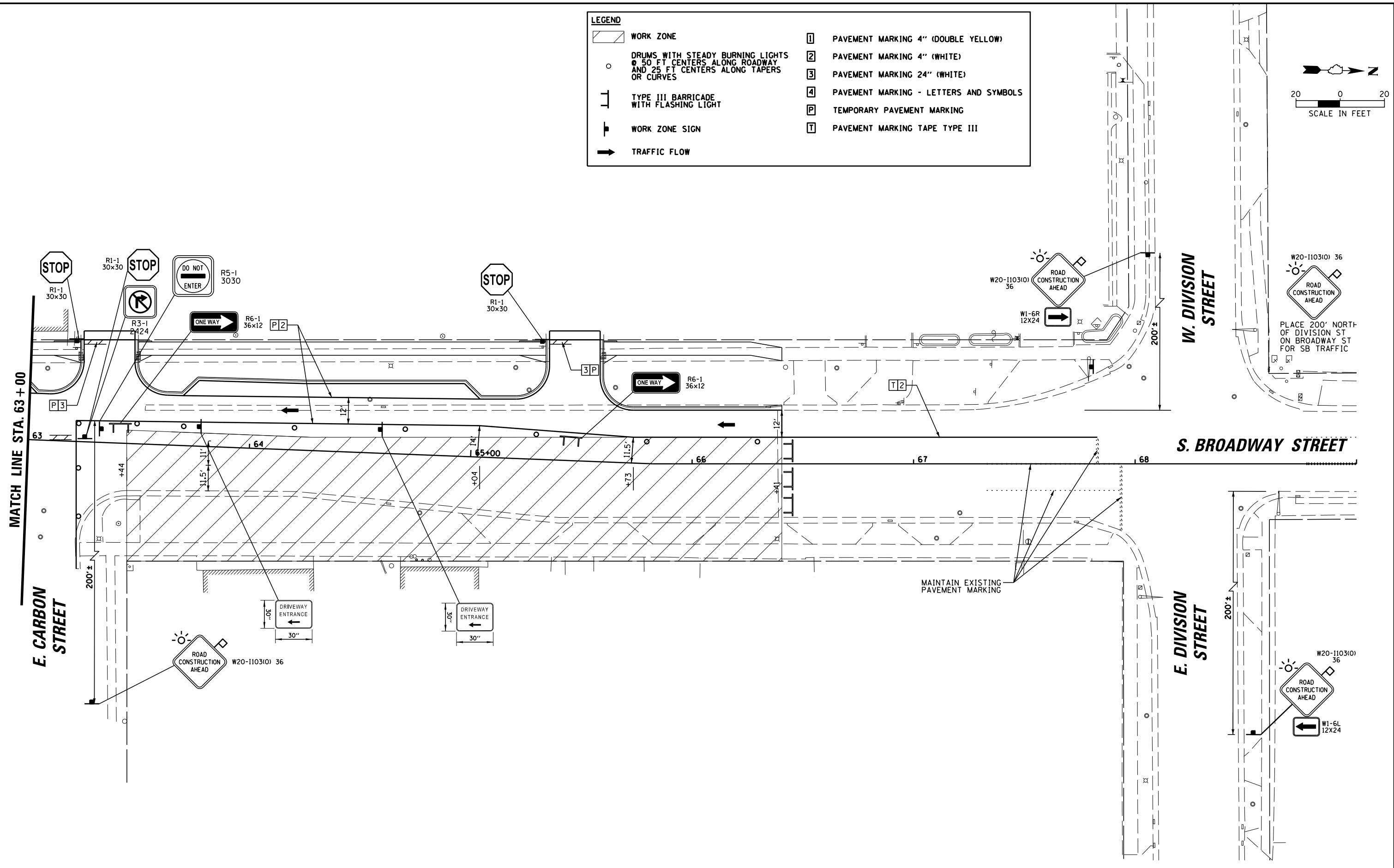
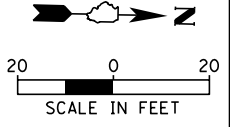
<b>BROADWAY STREET    MAINTENANCE OF TRAFFIC - STAGE 3</b>			
SCALE: 40'	SHEET	OF SHEETS	STA. TO STA.

F.A.S. RTE. 288	SECTION 14-00030-00-WR	COUNTY GRUNDY	TOTAL SHEETS 95	SHEET NO. 34
<b>CONTRACT NO. 87710</b>				
ILLINOIS FED. AID PROJECT				

FILE NAME = N:\Coal City\170314\Civil\M0T3.170314\_06.DGN

**LEGEND**

	WORK ZONE		PAVEMENT MARKING 4" (DOUBLE YELLOW)
	DRUMS WITH STEADY BURNING LIGHTS @ 50 FT CENTERS ALONG ROADWAY AND 25 FT CENTERS ALONG TAPERS OR CURVES		PAVEMENT MARKING 4" (WHITE)
	TYPE III BARRICADE WITH FLASHING LIGHT		PAVEMENT MARKING 24" (WHITE)
	WORK ZONE SIGN		PAVEMENT MARKING - LETTERS AND SYMBOLS
	TRAFFIC FLOW		TEMPORARY PAVEMENT MARKING
			PAVEMENT MARKING TAPE TYPE III



**EGC**  
 9575 W. Higgins Road, Suite 600  
 Rosemont, Illinois 60018  
 (847) 823-0500

USER NAME = rhowellindgren  
 PLOT SCALE = 48"  
 PLOT DATE = 11/13/2018

DESIGNED - MBT  
 DRAWN - MBT  
 CHECKED - SNS  
 DATE -

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**BROADWAY STREET  
 MAINTENANCE OF TRAFFIC - STAGE 3**

SCALE: 40' SHEET OF SHEETS STA. TO STA.

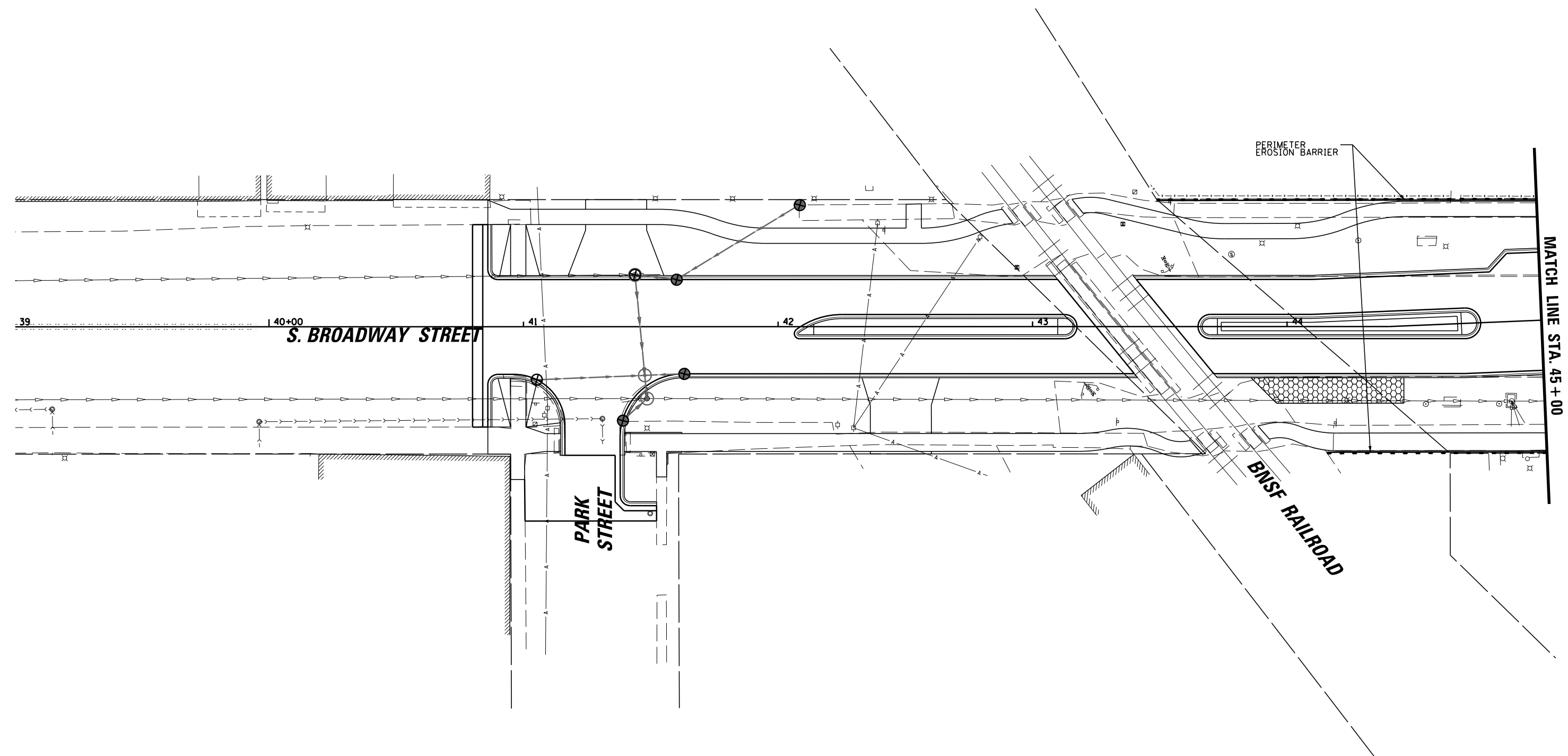
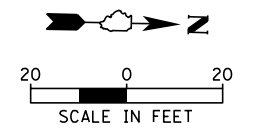
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
288	14-00030-00-WR	GRUNDY	95	35
<b>CONTRACT NO. 87710</b>				
ILLINOIS FED. AID PROJECT				

FILE NAME = N:\Coal City\170314\civ\170314\_07.DGN

**EROSION CONTROL LEGEND:**

--- PERIMETER EROSION BARRIER

⊕ INLET FILTER



**CB** 9575 W. Higgins Road, Suite 600  
Rosemont, Illinois 60018  
(847) 823-0500

USER NAME = rhowellindgren	DESIGNED - MBT	REVISED -
DRAWN - MBT	REVISOR -	
PLOT SCALE = 48"	CHECKED - SNS	REVISED -
PLOT DATE = 11/13/2018	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**BROADWAY STREET  
EROSION AND SEDIMENT CONTROL PLAN**

SCALE: 40' SHEET OF SHEETS STA. TO STA.

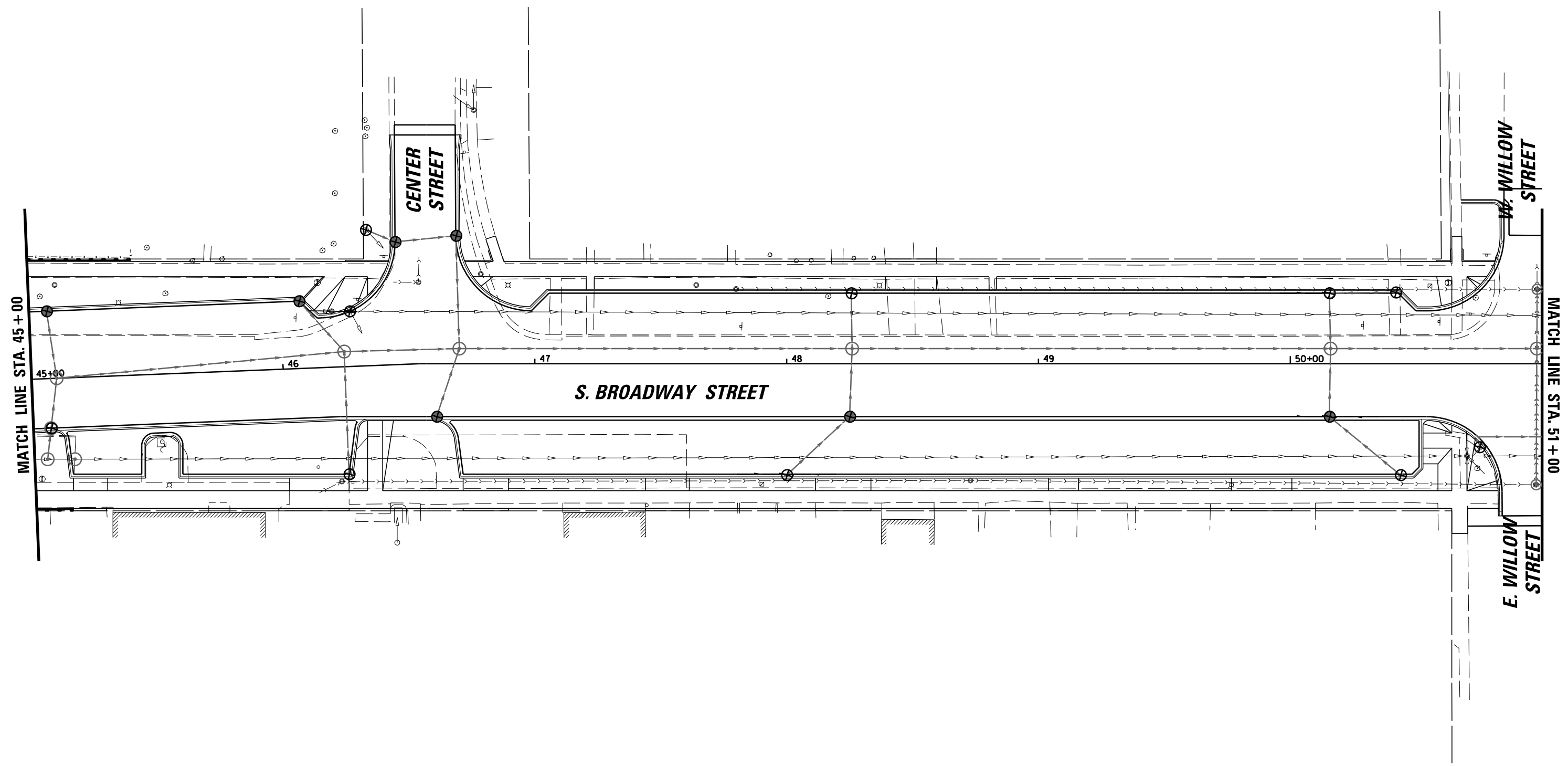
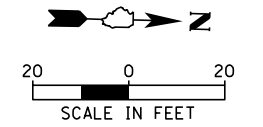
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
288	14-00030-00-WR	GRUNDY	95	36
<b>CONTRACT NO. 87710</b>				
ILLINOIS FED. AID PROJECT				

FILE NAME = N:\Coal City\170314\Civil\ECP\_170314\_03.DGN

**EROSION CONTROL LEGEND:**

PERIMETER EROSION BARRIER

INLET FILTER



**B** 9575 W. Higgins Road, Suite 600  
Rosemont, Illinois 60018  
(847) 823-0500

USER NAME = rhowellindgren  
PLOT SCALE = 48"  
PLOT DATE = 11/13/2018

DESIGNED - MBT  
DRAWN - MBT  
CHECKED - SNS  
DATE -

REVISED -  
REVISED -  
REVISED -  
REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**BROADWAY STREET  
EROSION AND SEDIMENT CONTROL PLAN**

SCALE: 40' SHEET OF SHEETS STA. TO STA.

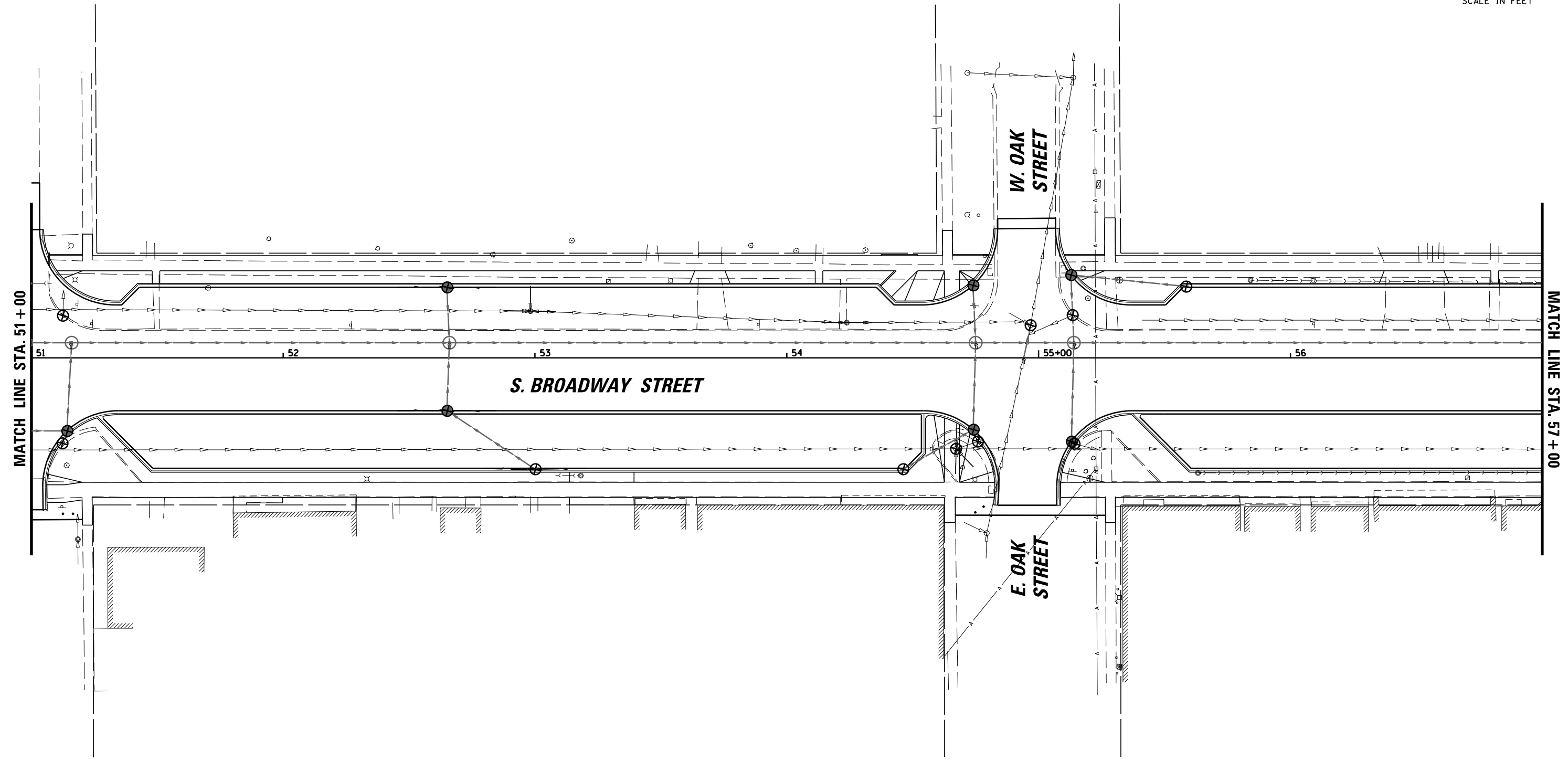
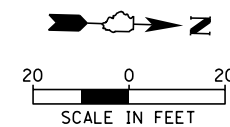
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288	14-00030-00-WR	GRUNDY	95	37
CONTRACT NO. 87710			ILLINOIS FED. AID PROJECT	

FILE NAME = N:\Coal\_City\170314\Civil\ECP\_170314\_04.DGN

**EROSION CONTROL LEGEND:**

--- PERIMETER EROSION BARRIER

⊕ INLET FILTER



<p>9575 W. Higgins Road, Suite 600 Rosemont, Illinois 60018 (847) 823-0500</p>	USER NAME = rhowellindgren	DESIGNED - MBT	REVISED -
	PLOT SCALE = 48"	DRAWN - MBT	REVISED -
	PLOT DATE = 11/13/2018	CHECKED - SNS	REVISED -
		DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>BROADWAY STREET EROSION AND SEDIMENT CONTROL PLAN</b>			
SCALE: 40'	SHEET	OF	SHEETS
	STA.	TO	STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
288	14-00030-00-WR	GRUNDY	95	38
ILLINOIS FED. AID PROJECT			<b>CONTRACT NO. 87710</b>	

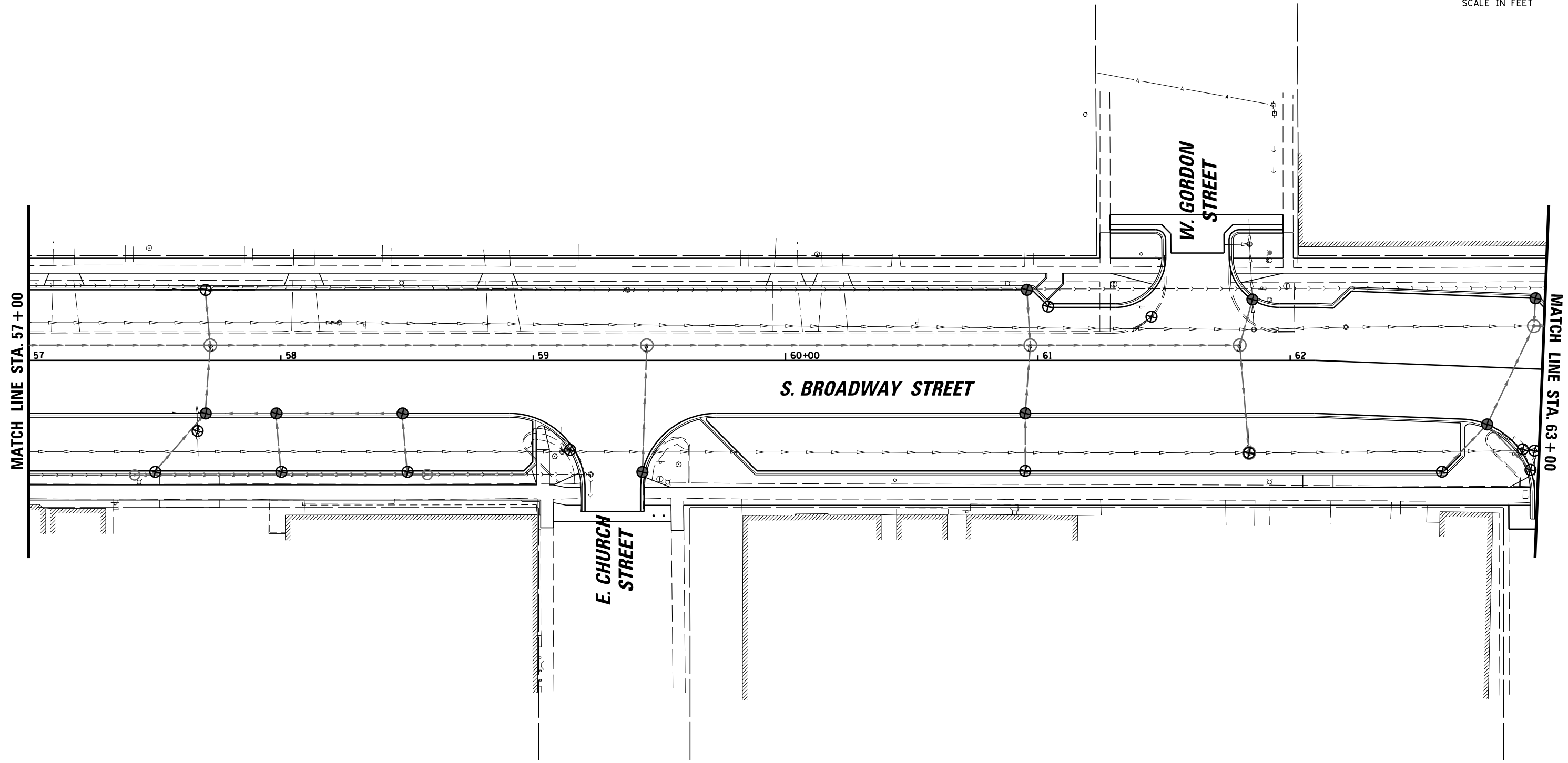
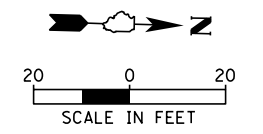
FILE NAME = N:\Coal City\170314\Civil\EC\170314\_05.DGN



**EROSION CONTROL LEGEND:**

--- PERIMETER EROSION BARRIER

⊕ INLET FILTER



<p>9575 W. Higgins Road, Suite 600 Rosemont, Illinois 60018 (847) 823-0500</p>	USER NAME = rhowellindgren	DESIGNED - MBT	REVISED -
	PLOT SCALE = 48"	DRAWN - MBT	REVISED -
	PLOT DATE = 11/13/2018	CHECKED - SNS	REVISED -
		DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**BROADWAY STREET  
EROSION AND SEDIMENT CONTROL PLAN**

SCALE: 40' SHEET OF SHEETS STA. TO STA.

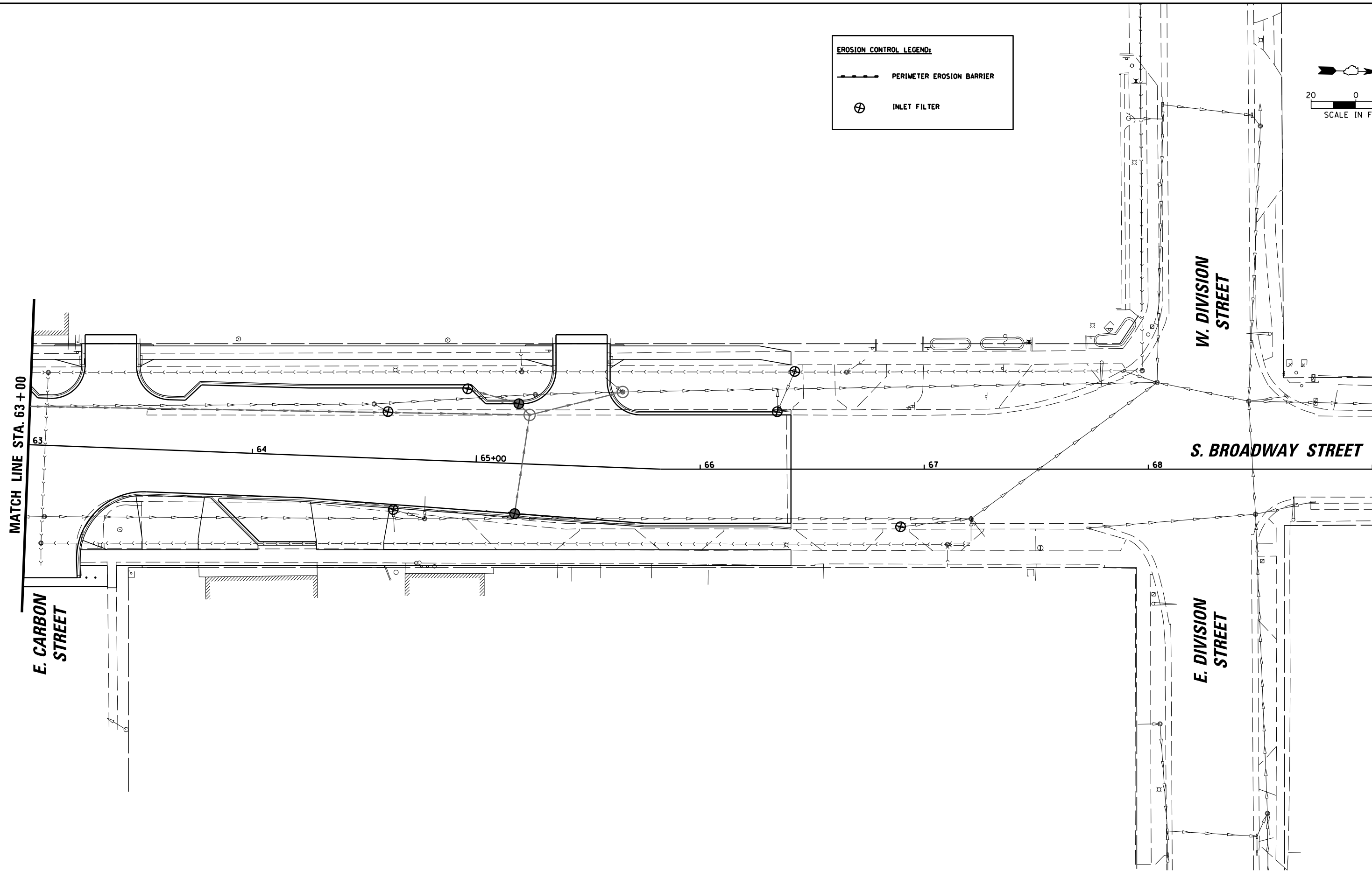
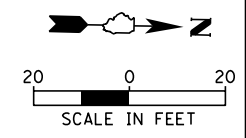
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
288	14-00030-00-WR	GRUNDY	95	39
CONTRACT NO. 87710			ILLINOIS FED. AID PROJECT	

FILE NAME = N:\Coal City\170314\Civil\QCP\_170314\_06.DGN

**EROSION CONTROL LEGEND:**

--- PERIMETER EROSION BARRIER

⊕ INLET FILTER



**EGC**  
 9575 W. Higgins Road, Suite 600  
 Rosemont, Illinois 60018  
 (847) 823-0500

USER NAME = rhowellindgren	DESIGNED - MBT	REVISED -
DRAWN - MBT	REVISIONS -	
PLOT SCALE = 48"	CHECKED - SNS	REVISED -
PLOT DATE = 11/13/2018	DATE -	REVISED -

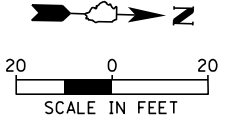
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**BROADWAY STREET  
 EROSION AND SEDIMENT CONTROL PLAN**

SCALE: 40' SHEET OF SHEETS STA. TO STA.

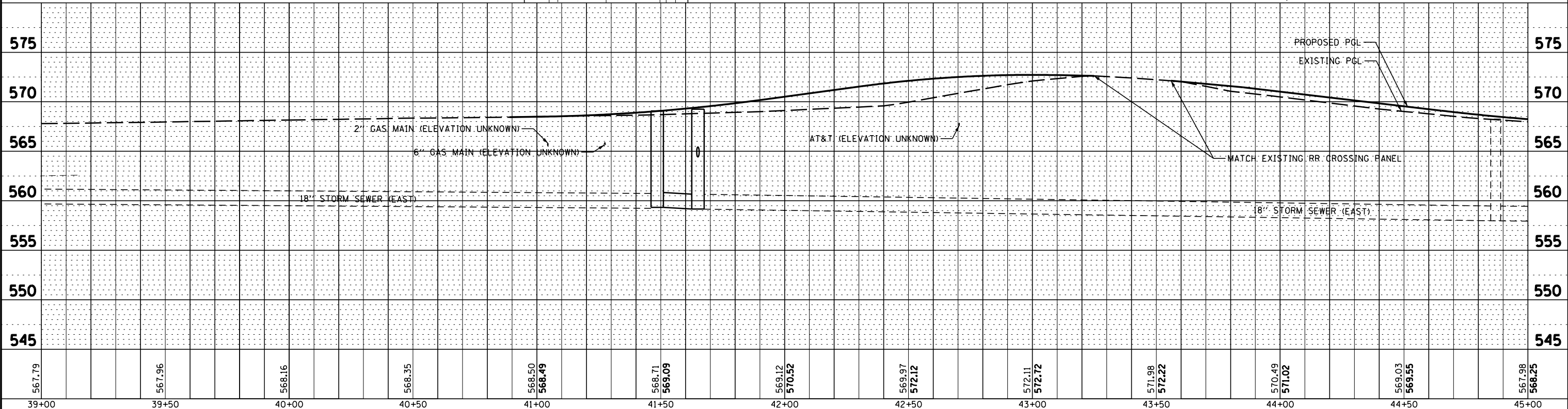
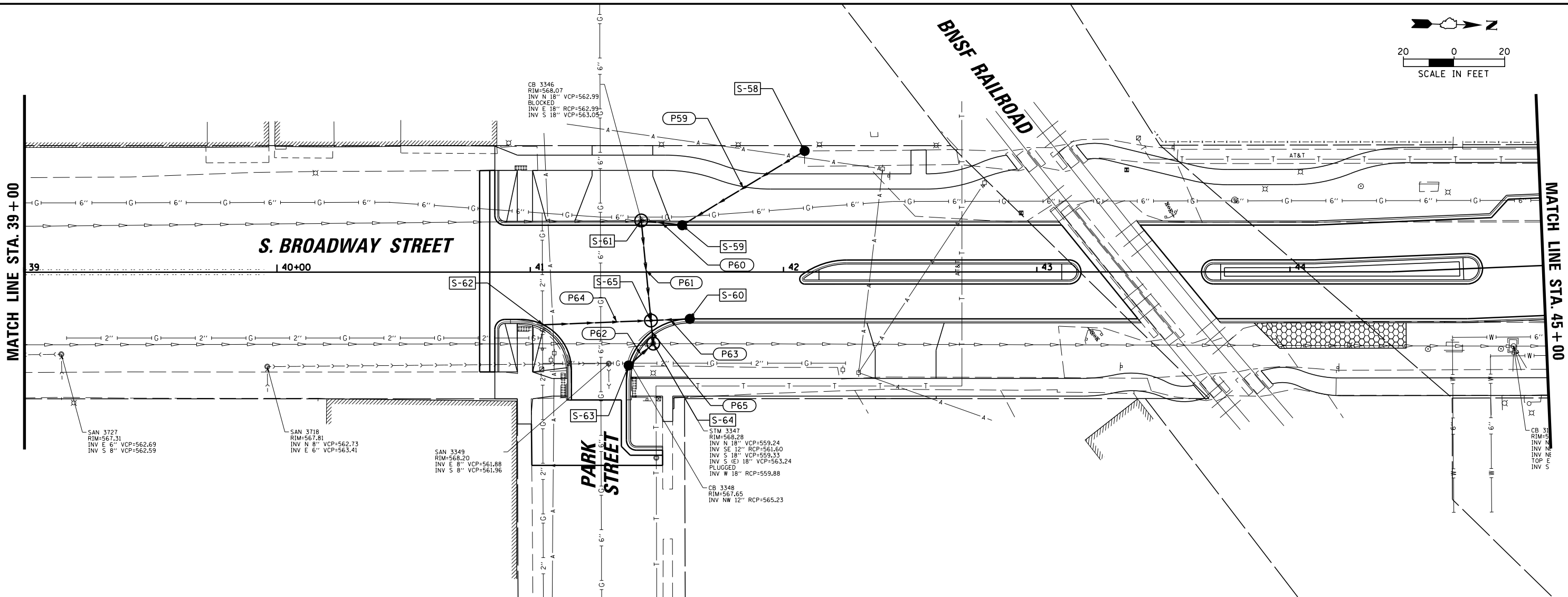
F.A.S. RTÉ.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
288	14-00030-00-WR	GRUNDY	95	40
<b>CONTRACT NO. 87710</b>				
ILLINOIS FED. AID PROJECT				

FILE NAME = N:\Coal City\170314\Civil\QCP\_170314\_07.DGN



PLAN	SURVEYED	DATE
	PLOTTED	BY
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	NOTE BOOK NO.	
	FILE NAME	

PROFILE	SURVEYED	DATE
	PLOTTED	BY
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	NOTE BOOK NO.	
	FILE NAME	



39+00	39+50	40+00	40+50	41+00	41+50	42+00	42+50	43+00	43+50	44+00	44+50	45+00
567.79	567.96	568.16	568.35	568.50 568.49	568.71 569.09	569.12 570.52	569.97 572.12	572.11 572.72	571.98 572.22	570.49 571.02	569.03 569.55	567.98 568.25

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 Rosemont, Illinois 60018  
 (847) 823-0500

USER NAME = rhowellindgren	DESIGNED MBT	REVISED -
	DRAWN MBT	REVISED -
PLOT SCALE = 48"	CHECKED SNS	REVISED -
PLOT DATE = 11/13/2018	DATE -	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

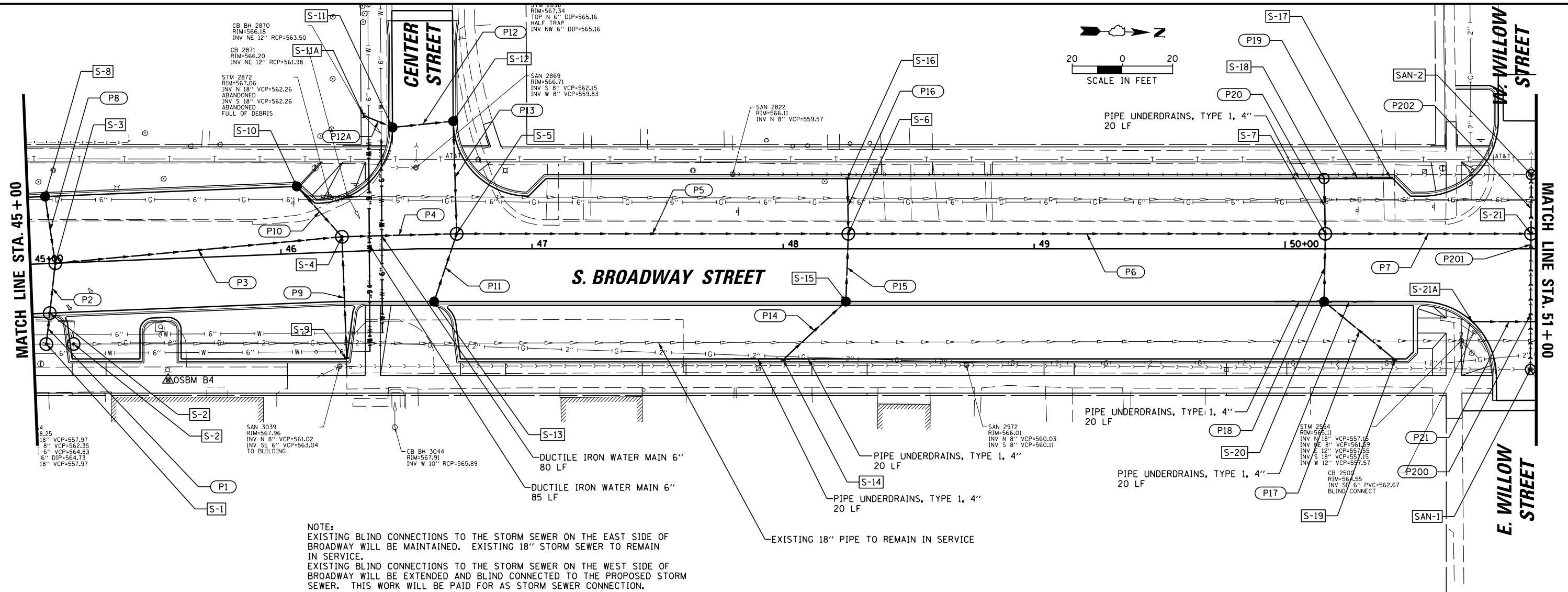
BROADWAY STREET  
 UTILITY PLAN AND PROFILE  
 SCALE: 40' SHEET OF SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
288	14-00030-00-WR	GRUNDY	95	41
CONTRACT NO. 87710				
ILLINOIS FED. AID PROJECT				

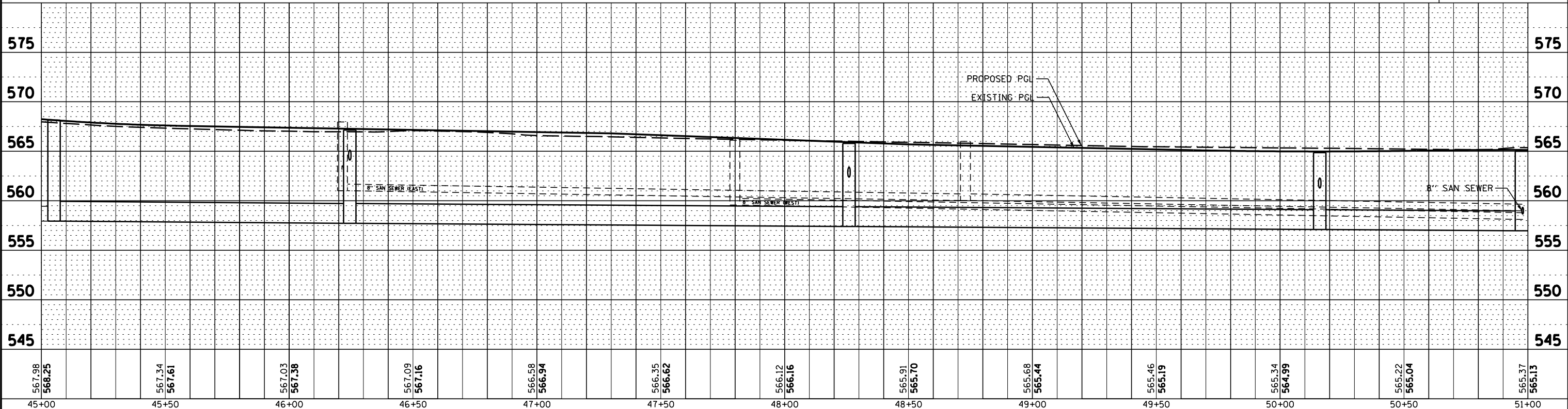
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	PLOTTED	BY
	ALIGNED	CHECKED
	NOTED	FILE NAME
	NO.	

PROFILE	SURVEYED	DATE
	PLOTTED	BY
	GRADES	CHECKED
	STRUCTURE	NOTATIONS
	NO.	



NOTE:  
 EXISTING BLIND CONNECTIONS TO THE STORM SEWER ON THE EAST SIDE OF BROADWAY WILL BE MAINTAINED. EXISTING 18" STORM SEWER TO REMAIN IN SERVICE.  
 EXISTING BLIND CONNECTIONS TO THE STORM SEWER ON THE WEST SIDE OF BROADWAY WILL BE EXTENDED AND BLIND CONNECTED TO THE PROPOSED STORM SEWER. THIS WORK WILL BE PAID FOR AS STORM SEWER CONNECTION.



567.98	568.25	567.34	567.61	567.03	567.38	567.09	567.16	566.58	566.94	566.35	566.62	566.12	566.16	565.91	565.70	565.68	565.44	565.46	565.19	565.34	564.99	565.22	565.04	565.37	565.13
45+00	45+50	46+00	46+50	47+00	47+50	48+00	48+50	49+00	49+50	50+00	50+50	51+00													

9575 W. Higgins Road, Suite 600 Rosemont, Illinois 60018 (847) 823-0500	USER NAME = rhowellindgren	DESIGNED MBT	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>BROADWAY STREET</b> <b>UTILITY PLAN AND PROFILE</b>			F.A.S. R.T.E. 288	SECTION 14-00030-00-WR	COUNTY GRUNDY	TOTAL SHEETS 95	SHEET NO. 42	
	PLOT SCALE = 48"	CHECKED SNS	REVISED -		SCALE: 40'	SHEET	OF SHEETS	STA.	TO STA.	CONTRACT NO. 87710			
	PLOT DATE = 11/13/2018	DATE -	REVISED -		ILLINOIS FED. AID PROJECT								



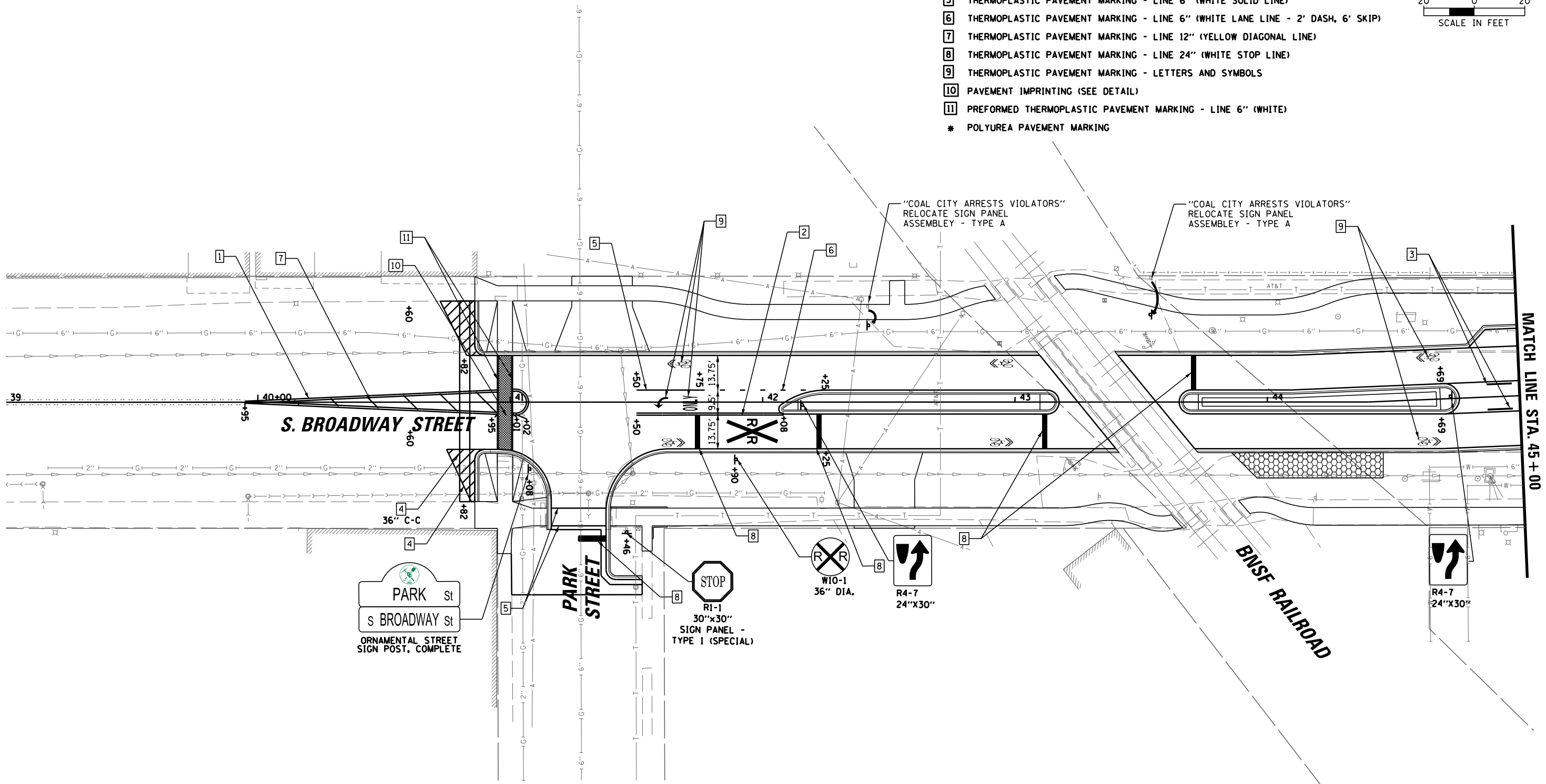
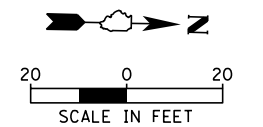






**PAVEMENT MARKING LEGEND:**

- 1 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (DOUBLE YELLOW SOLID LINE 11" C-C)
- 2 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW SOLID LINE)
- 3 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW SOLID LINE - 10' DASH, 30' SKIP)
- 4 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE SOLID LINE)
- 5 THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE SOLID LINE)
- 6 THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE LANE LINE - 2' DASH, 6' SKIP)
- 7 THERMOPLASTIC PAVEMENT MARKING - LINE 12" (YELLOW DIAGONAL LINE)
- 8 THERMOPLASTIC PAVEMENT MARKING - LINE 24" (WHITE STOP LINE)
- 9 THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS
- 10 PAVEMENT IMPRINTING (SEE DETAIL)
- 11 PREFORMED THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE)
- \* POLYUREA PAVEMENT MARKING



**C B B**  
 9575 W. Higgins Road, Suite 600  
 Rosemont, Illinois 60018  
 (847) 823-0500

USER NAME = rhowellindgren  
 DESIGNED - MBT  
 DRAWN - MBT  
 CHECKED - SNS  
 DATE -  
 PLOT SCALE = 48"  
 PLOT DATE = 11/13/2018

REVISIED -  
 REVISIED -  
 REVISIED -  
 REVISIED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

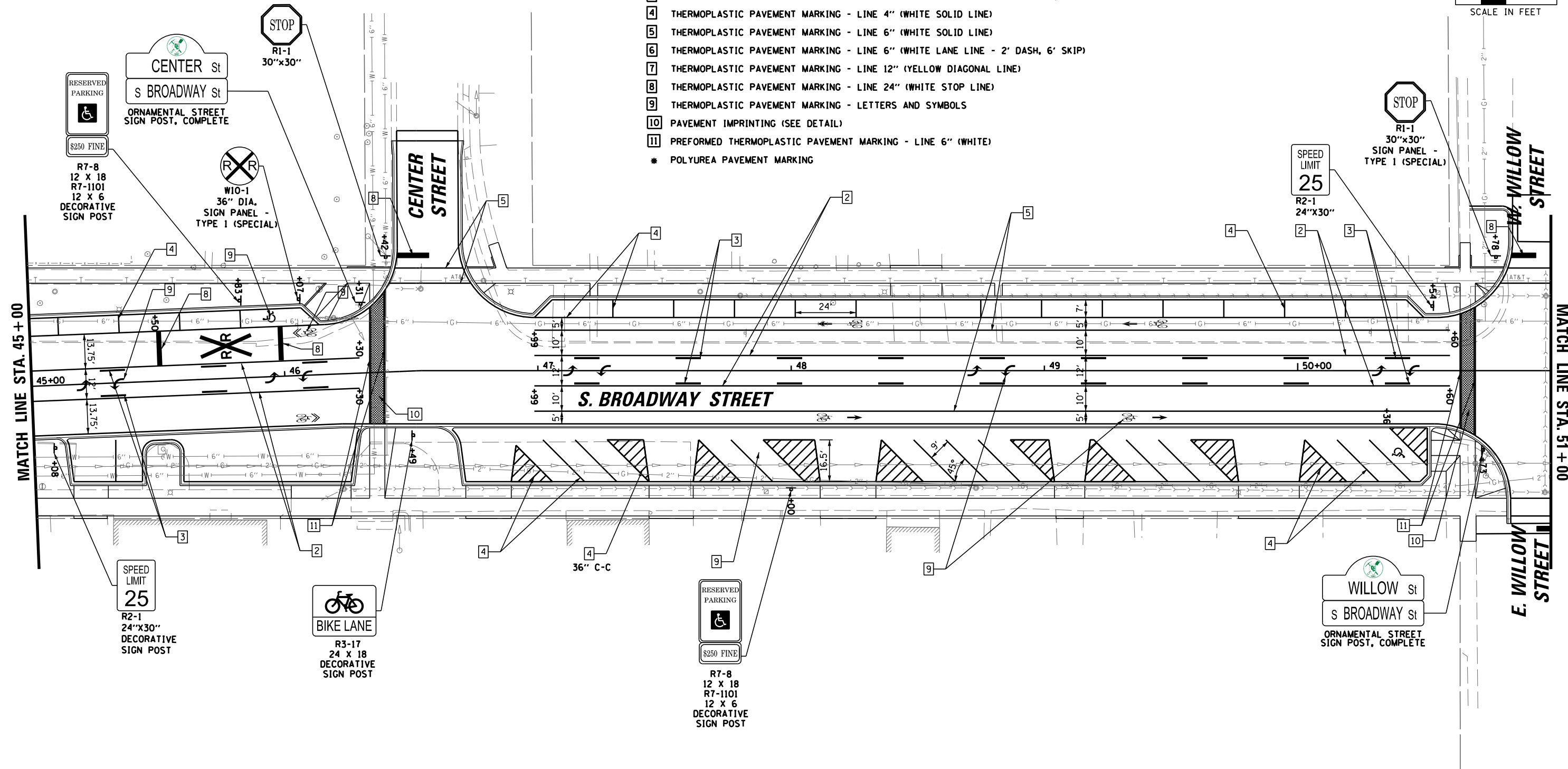
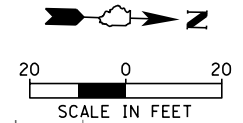
**BROADWAY STREET  
 PAVEMENT MARKING AND SIGNING PLAN**

SCALE: 40' SHEET OF SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
288	14-00030-00-WR	GRUNDY	95	46
<b>CONTRACT NO. 87710</b>				
ILLINOIS FED. AID PROJECT				

FILE NAME = N:\Coal City\170314\Civil\PMK\_170314\_03.DGN

- PAVEMENT MARKING LEGEND:**
- 1 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (DOUBLE YELLOW SOLID LINE 11" C-C)
  - 2 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW SOLID LINE)
  - 3 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW SOLID LINE - 10' DASH, 30' SKIP)
  - 4 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE SOLID LINE)
  - 5 THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE SOLID LINE)
  - 6 THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE LANE LINE - 2' DASH, 6' SKIP)
  - 7 THERMOPLASTIC PAVEMENT MARKING - LINE 12" (YELLOW DIAGONAL LINE)
  - 8 THERMOPLASTIC PAVEMENT MARKING - LINE 24" (WHITE STOP LINE)
  - 9 THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS
  - 10 PAVEMENT IMPRINTING (SEE DETAIL)
  - 11 PREFORMED THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE)
- \* POLYUREA PAVEMENT MARKING



9575 W. Higgins Road, Suite 600  
Rosemont, Illinois 60018  
(847) 823-0500

USER NAME = rhowellindgren  
PLOT SCALE = 48"  
PLOT DATE = 11/13/2018

DESIGNED - MBT  
DRAWN - MBT  
CHECKED - SNS  
DATE -

REVISED -  
REVISED -  
REVISED -  
REVISED -

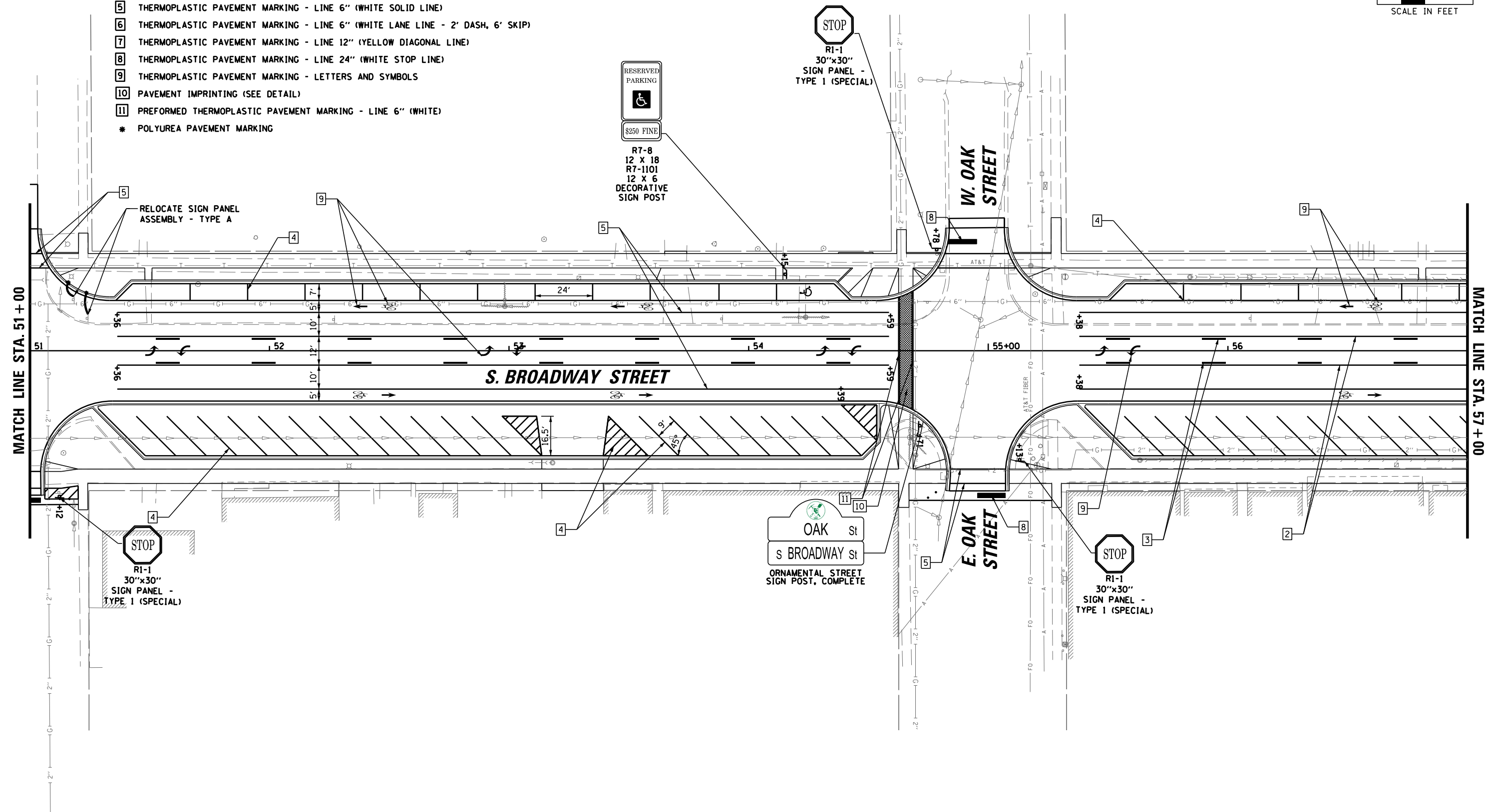
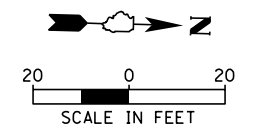
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**BROADWAY STREET  
PAVEMENT MARKING AND SIGNING PLAN**

SCALE: 40' SHEET OF SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
288	14-00030-00-WR	GRUNDY	95	47
CONTRACT NO. 87710			ILLINOIS FED. AID PROJECT	

- PAVEMENT MARKING LEGEND:**
- 1 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (DOUBLE YELLOW SOLID LINE 11" C-C)
  - 2 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW SOLID LINE)
  - 3 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW SOLID LINE - 10' DASH, 30' SKIP)
  - 4 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE SOLID LINE)
  - 5 THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE SOLID LINE)
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  - 8 THERMOPLASTIC PAVEMENT MARKING - LINE 24" (WHITE STOP LINE)
  - 9 THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS
  - 10 PAVEMENT IMPRINTING (SEE DETAIL)
  - 11 PREFORMED THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE)
  - \* POLYUREA PAVEMENT MARKING



9575 W. Higgins Road, Suite 600  
 Rosemont, Illinois 60018  
 (847) 823-0500

USER NAME = rhowellindgren  
 PLOT SCALE = 48"  
 PLOT DATE = 11/13/2018

DESIGNED - MBT	REVISED -
DRAWN - MBT	REVISED -
CHECKED - SNS	REVISED -
DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

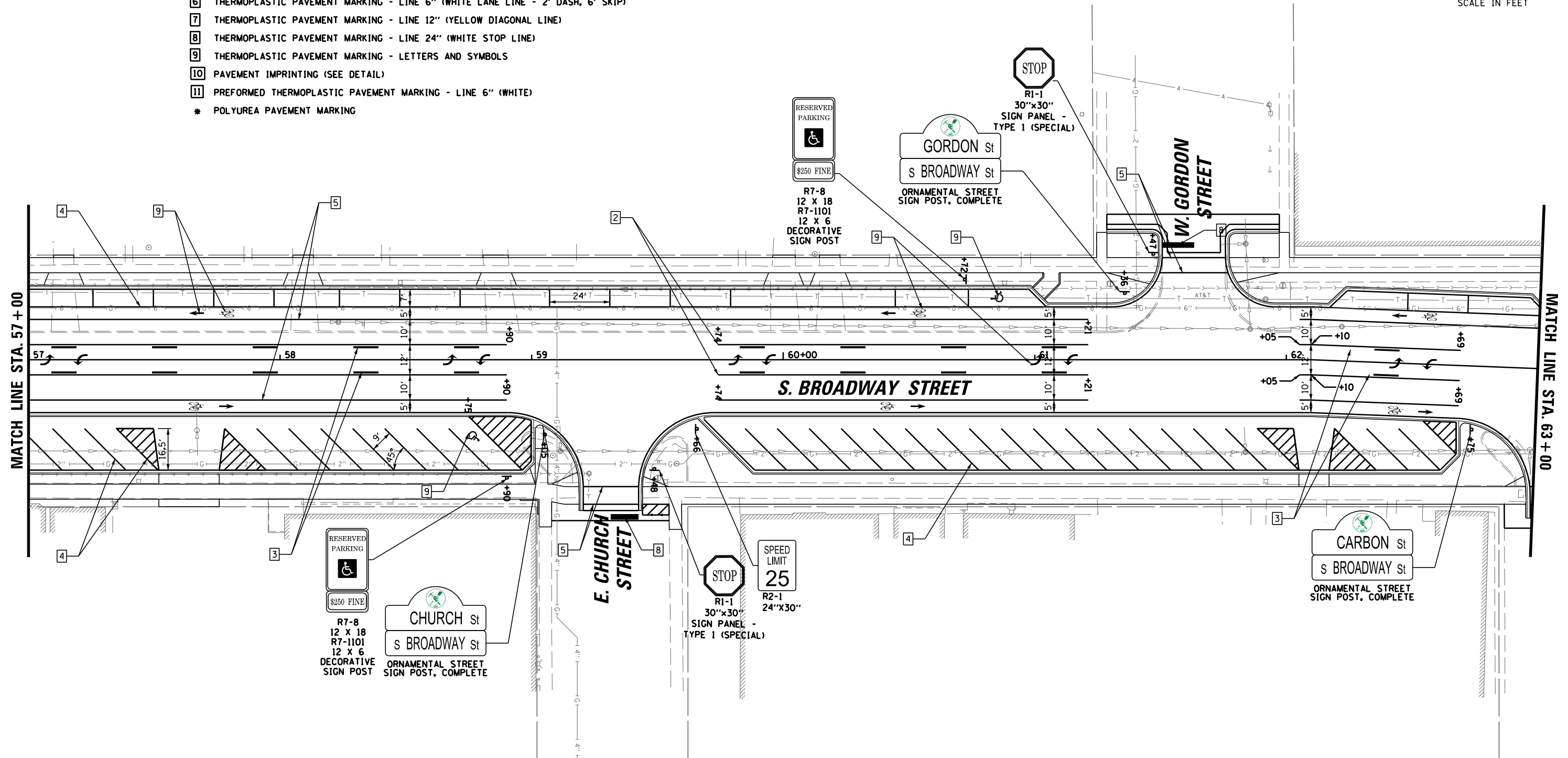
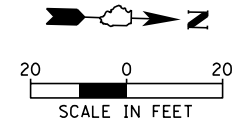
**BROADWAY STREET  
 PAVEMENT MARKING AND SIGNING PLAN**

SCALE: 40' SHEET OF SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
288	14-00030-00-WR	GRUNDY	95	48
CONTRACT NO. 87710				
ILLINOIS FED. AID PROJECT				

**PAVEMENT MARKING LEGEND:**

- 1 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (DOUBLE YELLOW SOLID LINE 11" C-C)
- 2 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW SOLID LINE)
- 3 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW SOLID LINE - 10' DASH, 30' SKIP)
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- 11 PREFORMED THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE)
- \* POLYUREA PAVEMENT MARKING



**BGC**  
 9575 W. Higgins Road, Suite 600  
 Rosemont, Illinois 60018  
 (847) 823-0500

USER NAME = rhowellindgren  
 PLOT SCALE = 48"  
 PLOT DATE = 11/13/2018

DESIGNED - MBT  
 DRAWN - MBT  
 CHECKED - SNS  
 DATE -

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

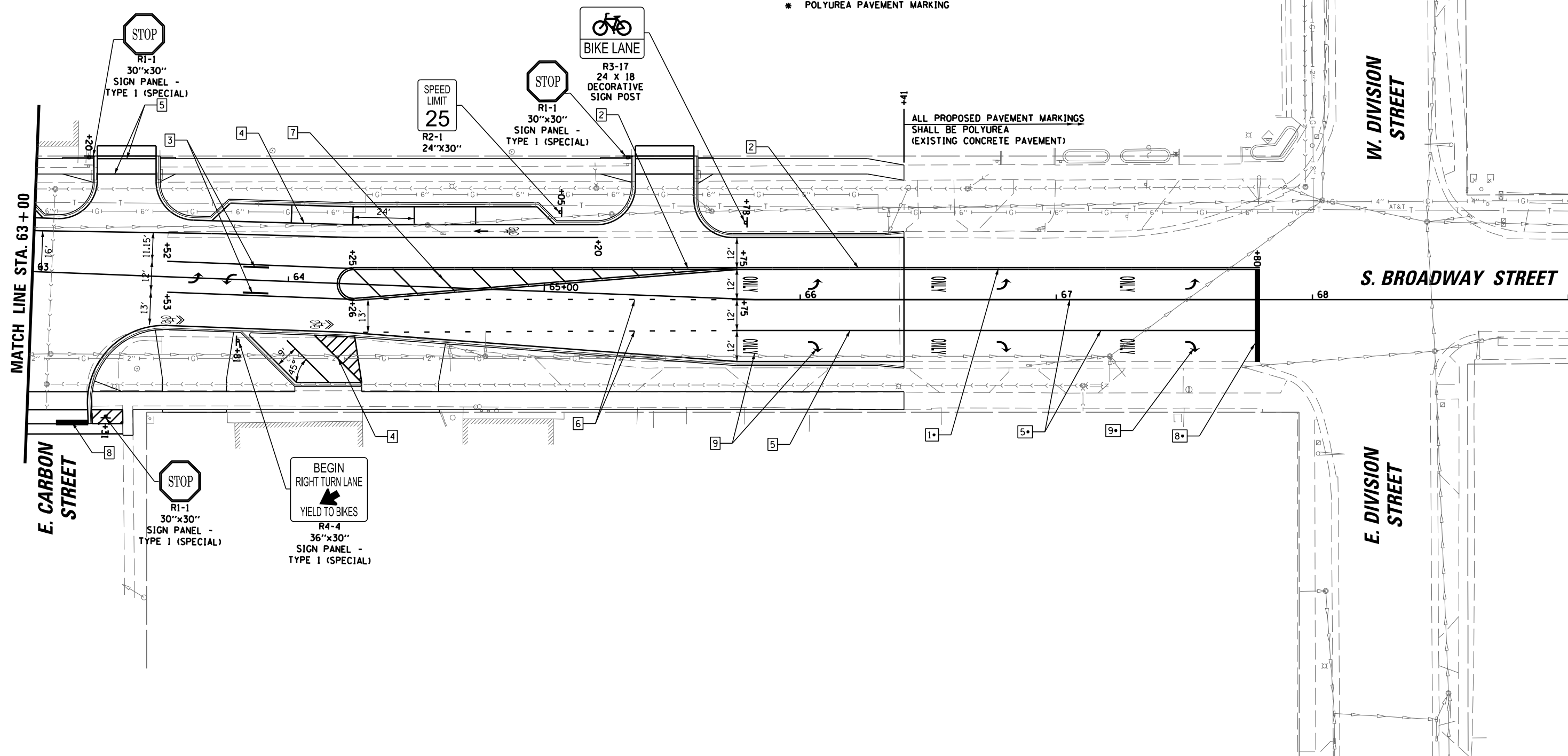
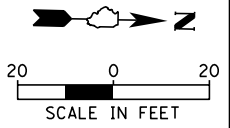
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**BROADWAY STREET  
 PAVEMENT MARKING AND SIGNING PLAN**

SCALE: 40' SHEET OF SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
288	14-00030-00-WR	GRUNDY	95	49
<b>CONTRACT NO. 87710</b>				
ILLINOIS FED. AID PROJECT				

- PAVEMENT MARKING LEGEND:**
- 1 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (DOUBLE YELLOW SOLID LINE 11" C-C)
  - 2 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW SOLID LINE)
  - 3 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW SOLID LINE - 10' DASH, 30' SKIP)
  - 4 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE SOLID LINE)
  - 5 THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE SOLID LINE)
  - 6 THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE LANE LINE - 2' DASH, 6' SKIP)
  - 7 THERMOPLASTIC PAVEMENT MARKING - LINE 12" (YELLOW DIAGONAL LINE)
  - 8 THERMOPLASTIC PAVEMENT MARKING - LINE 24" (WHITE STOP LINE)
  - 9 THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS
  - 10 PAVEMENT IMPRINTING (SEE DETAIL)
  - 11 PREFORMED THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE)
  - \* POLYUREA PAVEMENT MARKING



9575 W. Higgins Road, Suite 600  
Rosemont, Illinois 60018  
(847) 823-0500

USER NAME = rhowellindgren  
PLOT SCALE = 48"  
PLOT DATE = 11/13/2018

DESIGNED - MBT  
DRAWN - MBT  
CHECKED - SNS  
DATE -

REVISED -  
REVISED -  
REVISED -  
REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**BROADWAY STREET  
PAVEMENT MARKING AND SIGNING PLAN**

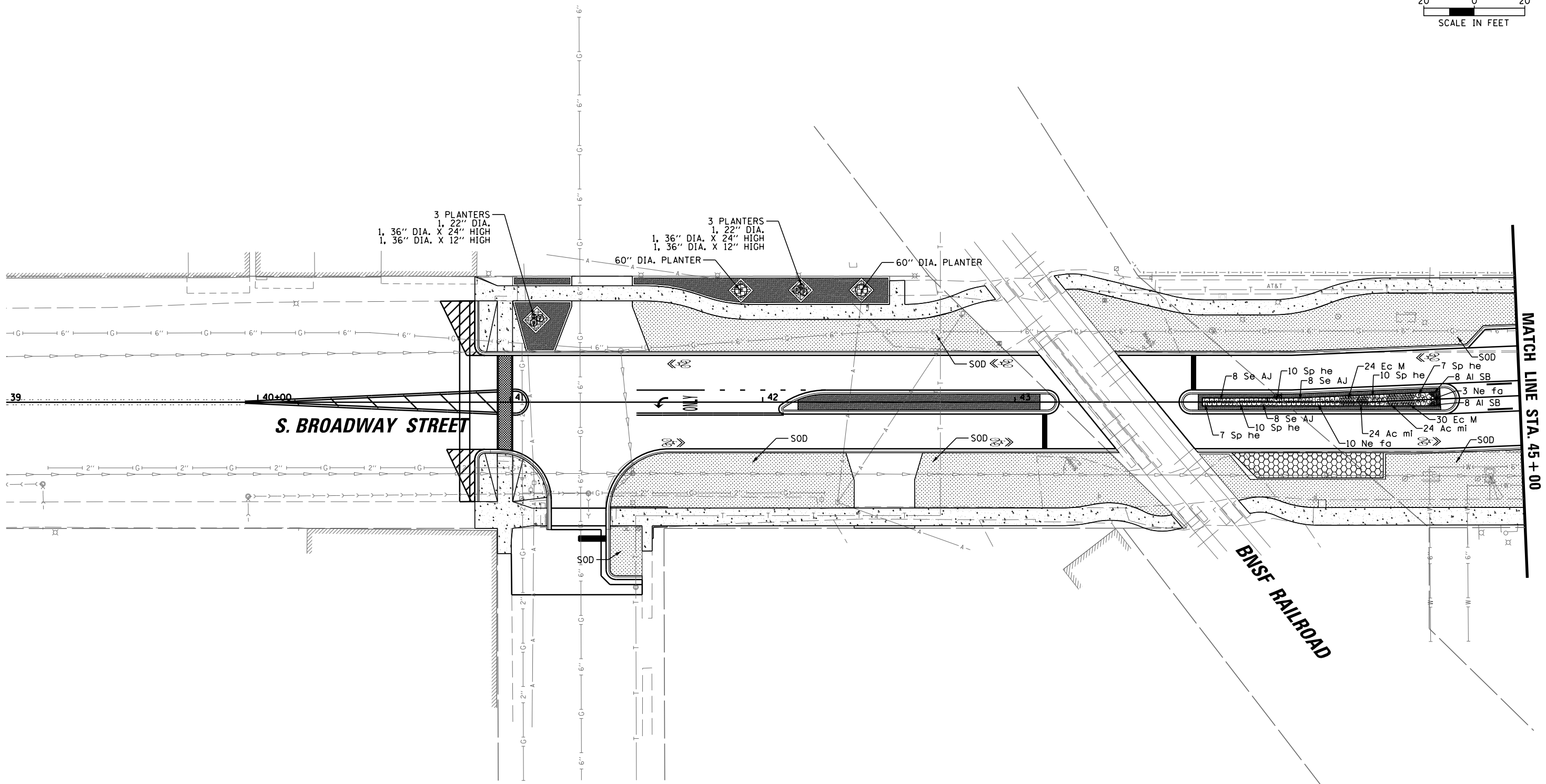
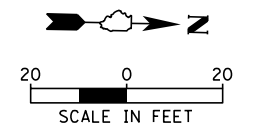
SCALE: 40' SHEET OF SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
288	14-00030-00-WR	GRUNDY	95	50
<b>CONTRACT NO. 87710</b>				
ILLINOIS FED. AID PROJECT				



**LANDSCAPING LEGEND:**

	PCC SIDEWALK, 5"
	BRICK PAVERS
	SODDING



**CB** 9575 W. Higgins Road, Suite 600  
Rosemont, Illinois 60018  
(847) 823-0500

USER NAME = rhowellindgren	DESIGNED - MBT	REVISED -
DRAWN - MBT	REVISOR -	REVISED -
PLOT SCALE = 48"	CHECKED - SNS	REVISED -
PLOT DATE = 11/13/2018	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

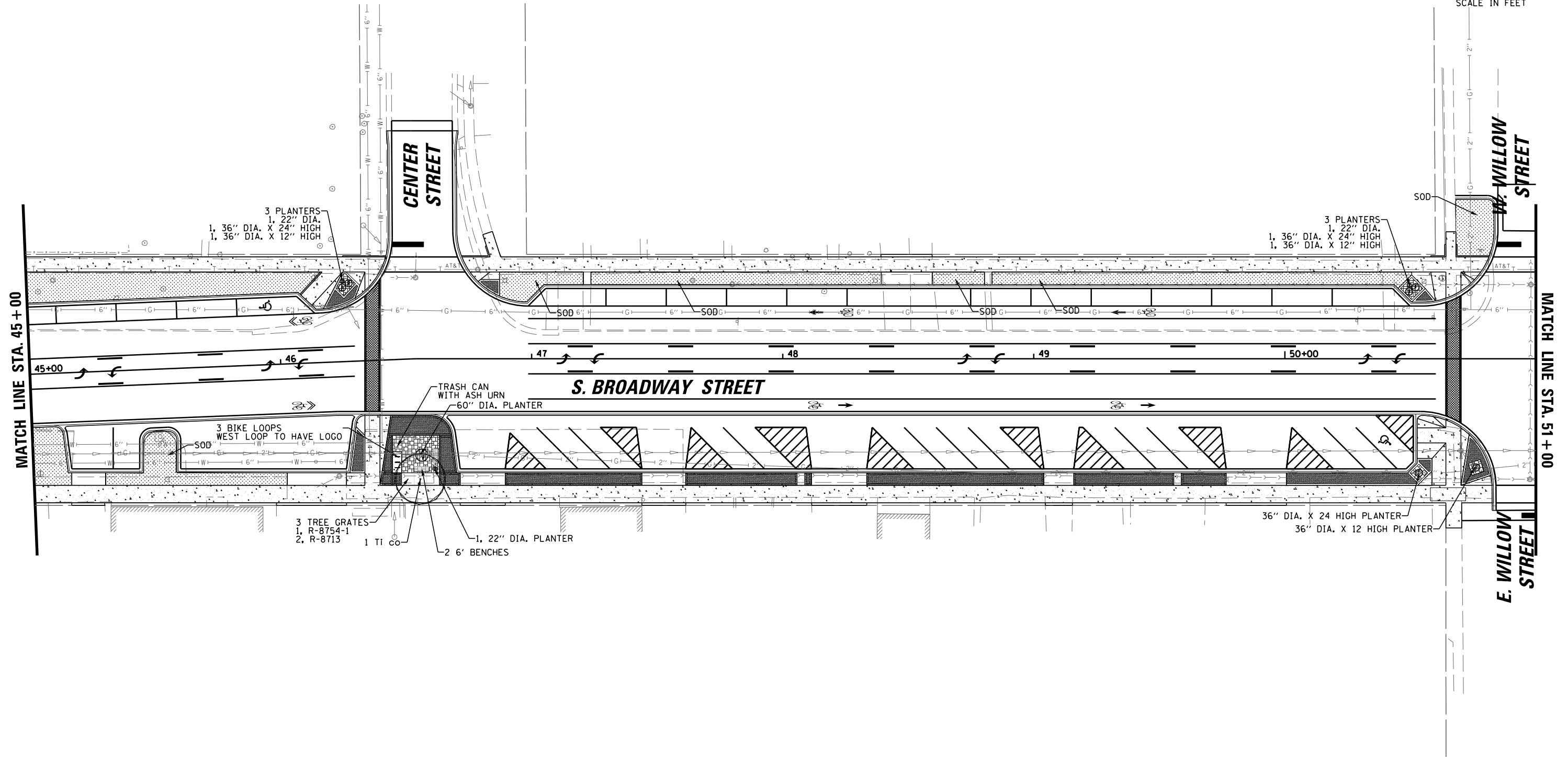
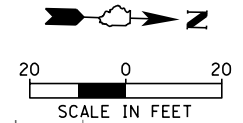
**BROADWAY STREET  
LANDSCAPING PLAN**

SCALE: 40' SHEET OF SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
288	14-00030-00-WR	GRUNDY	95	51
<b>CONTRACT NO. 87710</b>				
ILLINOIS FED. AID PROJECT				

**LANDSCAPING LEGEND:**

	PCC SIDEWALK, 5"
	BRICK PAVERS
	SODDING




9575 W. Higgins Road, Suite 600 Rosemont, Illinois 60018 (847) 823-0500	USER NAME = rhowellindgren	DESIGNED - MBT	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>BROADWAY STREET</b> <b>LANDSCAPING PLAN</b>		F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 48"	DRAWN - MBT	REVISED -				288	14-00030-00-WR	GRUNDY	95	52
	PLOT DATE = 11/13/2018	CHECKED - SNS	REVISED -	SCALE: 40'    SHEET    OF    SHEETS    STA.    TO    STA.		<b>CONTRACT NO. 87710</b>		ILLINOIS FED. AID PROJECT			

FILE NAME = N:\Coal City\170314\Civil\LS.170314\_04.DGN



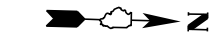


**LANDSCAPING LEGEND:**

 PCC SIDEWALK, 5"

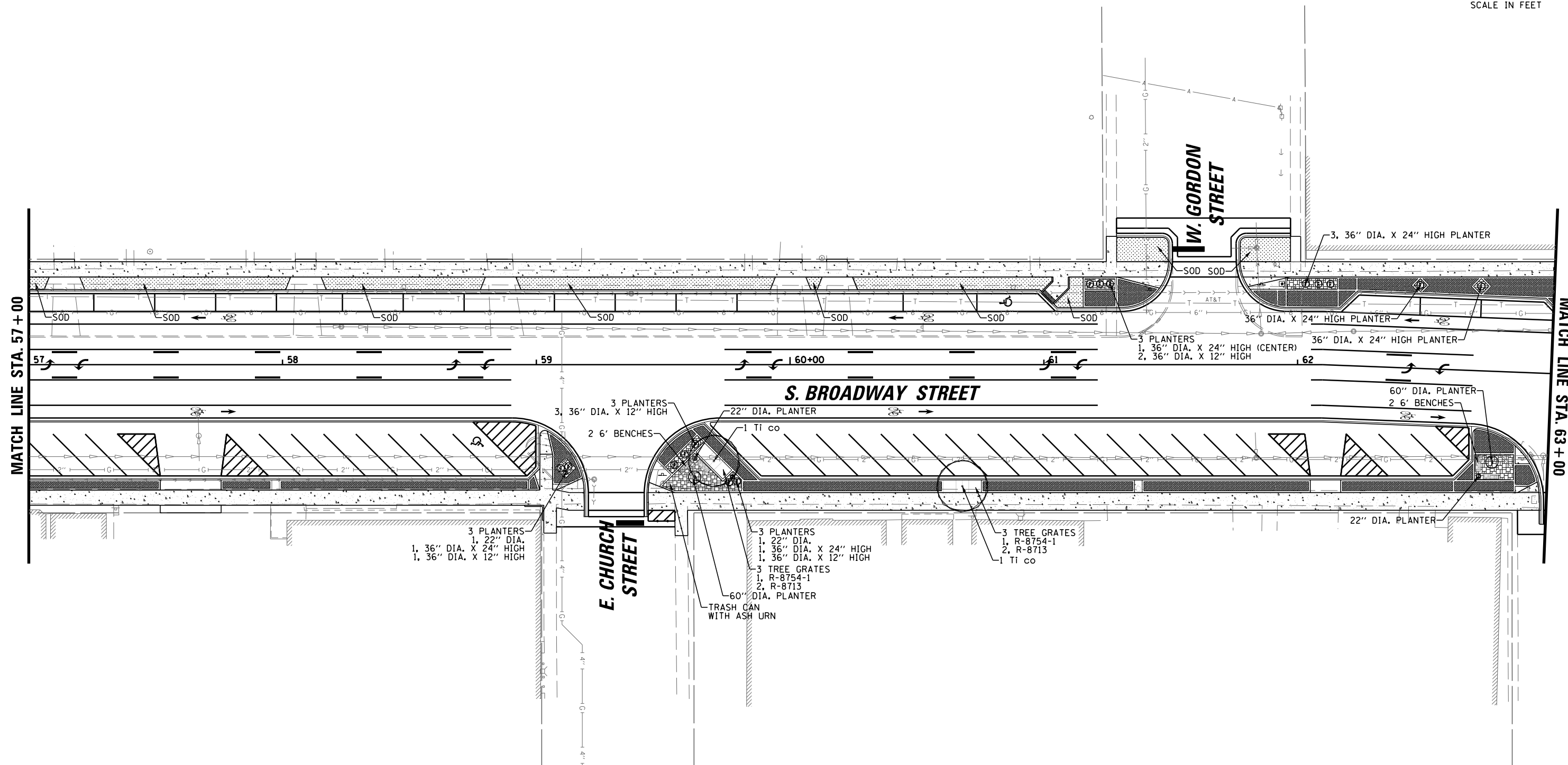
 BRICK PAVERS


 SODDING



20 0 20

SCALE IN FEET






 9575 W. Higgins Road, Suite 600 Rosemont, Illinois 60018 (847) 823-0500	USER NAME = rhowellindgren	DESIGNED - MBT	REVISED -
		DRAWN - MBT	REVISED -
	PLOT SCALE = 48"	CHECKED - SNS	REVISED -
	PLOT DATE = 11/13/2018	DATE -	REVISED -

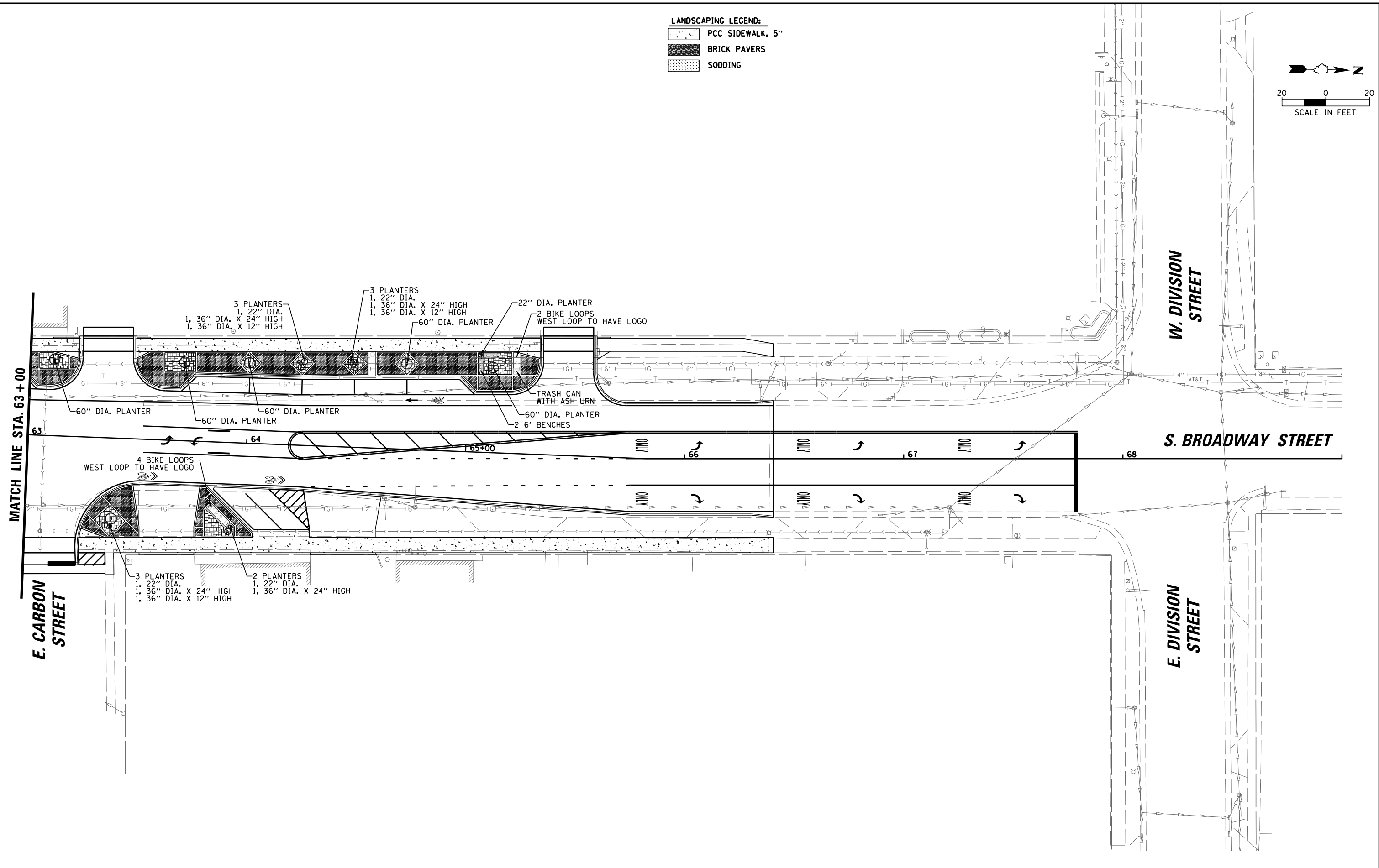
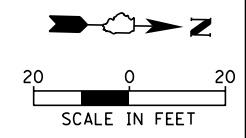
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

<b>BROADWAY STREET</b> <b>LANDSCAPING PLAN</b>			
SCALE: 40'	SHEET	OF SHEETS	STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
288	14-00030-00-WR	GRUNDY	95	54
<b>CONTRACT NO. 87710</b>				
ILLINOIS FED. AID PROJECT				

**LANDSCAPING LEGEND:**

-  PCC SIDEWALK, 5"
-  BRICK PAVERS
-  SODDING



**BEG**  
 9575 W. Higgins Road, Suite 600  
 Rosemont, Illinois 60018  
 (847) 823-0500

USER NAME = rhowellindgren	DESIGNED - MBT	REVISED -
DRAWN - MBT	REVISIONS -	
PLOT SCALE = 48"	CHECKED - SNS	REVISED -
PLOT DATE = 11/13/2018	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**BROADWAY STREET  
 LANDSCAPING PLAN**

SCALE: 40' SHEET OF SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
288	14-00030-00-WR	GRUNDY	95	55
CONTRACT NO. 87710				
ILLINOIS FED. AID PROJECT				

FILE NAME = N:\Coal City\170314\Civil\LS.170314.07.DGN

## LIGHTING GENERAL NOTES

1. THE EXACT LOCATIONS OF ALL UTILITIES SHALL BE VERIFIED BY THE CONTRACTOR BEFORE THE INSTALLATION OF ANY EQUIPMENT. FOR THE LOCATIONS OF THE UTILITIES, CALL JULIE TOLL FREE AT (800) 892-0123.
2. BEFORE INSTALLING LIGHT STANDARDS NEAR OVERHEAD AND UNDERGROUND ELECTRIC UTILITIES CONTRACTOR SHALL CALL COM ED FOR LOCATION APPROVAL AND MINIMUM CLEARANCE REQUIREMENTS.
3. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR JOB SITE SAFETY AS WELL AS SUPERVISION/ DIRECTION AND MEANS/METHODS OF CONSTRUCTION.
4. 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.
  - D. COMED STANDARDS
5. NO MATERIALS SHALL BE DELIVERED TO THE JOB SITE UNTIL ALL PERTINENT EQUIPMENT SUBMITTALS HAVE BEEN REVIEWED BY THE ENGINEER.
6. ALL UNDERGROUND WIRING SHALL BE XLP TYPE-USE, EXTRA ABRASION RESISTANCE, 600 VOLTS, BURIED A MINIMUM 30 INCHES BELOW FINISHED GRADE, FOLLOWING THE ROADWAY OR SIDEWALK EDGE. CONDUIT FOR LIGHTING AND POWER SHALL BE BLACK SCH 40 HDPE. CONDUIT FOR FIBER OPTIC SHALL BE ORANGE SCH 40 HDPE. ALL EMPTY CONDUITS SHALL HAVE A LOCATABLE / TONEABLE PULL STRING TAPE.
7. NO POLES SHALL BE ERECTED UNTIL THE RESPECTIVE FOUNDATIONS HAVE CURED, (IF APPLICABLE) AND HAVE BEEN REVIEWED BY THE ENGINEER.
8. TO MAINTAIN THE STRUCTURAL INTEGRITY OF LIGHT POLES WITH MAST ARMS, THEY SHALL NOT BE ERECTED AND LEFT TO STAND WITHOUT LUMINAIRES.
9. ALL POLE HANDHOLES SHALL FACE AWAY FROM TRAFFIC.
10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE ESTABLISHMENT OF THE TOP OF FOUNDATION ELEVATION WITH THE FINISHED GRADE.
11. 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.
12. UPON COMPLETION OF THE PROPOSED LIGHTING IMPROVEMENTS, THE CONTRACTOR SHALL PERFORM ELECTRICAL TESTING AND VERIFY THAT THE INSTALLATION COMPLIES WITH THE LATEST EDITION OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION IN ILLINOIS.
13. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TIMELY NOTIFICATION AND ALL COORDINATION WITH COM ED FOR NEW ELECTRIC SERVICE TO THE PROPOSED LIGHTING CONTROLLERS.
14. THE CONTRACTOR SHALL LABEL ALL WIRES WITH WIRE MARKERS INDICATING THE CIRCUIT ID IN EVERY CONTROLLER, POLE BASE, HAND HOLE AND SPLICE/CONNECTION POINT. WIRE MARKERS SHALL BE WHITE NYLON WITH INTEGRAL MECHANICAL FASTENER WITH MINIMUM 3/4" X 1" WRITEABLE AREA.
15. THERE ARE LOCATIONS THROUGHOUT THE PROJECT WHERE EXISTING UNDERGROUND UTILITIES ARE WITHIN CLOSE PROXIMITY TO THE PROPOSED LIGHT POLE FOUNDATIONS. CONTRACTOR SHALL LOCATE THE EDGE OF THE UTILITY IN THESE LOCATIONS AS DIRECTED BY THE ENGINEER USING THE HYDRO EXCAVATION METHOD (SEE SPECIAL PROVISION FOR "EXPLORATION EXCAVATION (UTILITY)").
16. ONE DIRECTION OF TRAFFIC IS PROPOSED TO REMAIN OPEN AT ALL TIMES. CONTRACTOR SHALL ENSURE THAT ALL LIGHTS ON SAME SIDE OF ROAD THAT IS OPEN TO TRAFFIC REMAINS OPERATIONAL EVERY NIGHT DUSK TO DAWN.
17. THE CONTRACTOR SHALL USE A STANDARD FOUNDATION WHENEVER POSSIBLE. WHEN UTILITY CONFLICT PROHIBITS USE OF STANDARD FOUNDATION THE CONTRACTOR MAY USE AN OFFSET FOUNDATION AT THE DIRECTION OF THE ENGINEER.

## BILL OF MATERIALS

DESCRIPTION	UNIT	QUANTITY
TRENCH BACKFILL	CU YD	60
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	695
UNDERGROUND CONDUIT, GALVANIZED STEEL, 5" DIA.	FOOT	265
UNDERGROUND CONDUIT, GALVANIZED STEEL, 6" DIA.	FOOT	110
UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 1" DIA.	FOOT	585
UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 1 1/4" DIA.	FOOT	6715
UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 1 1/2" DIA.	FOOT	6790
UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 2" DIA.	FOOT	6740
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 8	FOOT	29145
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 6	FOOT	29290
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 2	FOOT	450
LIGHT POLE FOUNDATION, 24" DIAMETER	FOOT	420
REMOVAL OF LIGHTING UNIT, SALVAGE	EACH	10
REMOVAL OF LIGHTING UNIT, NO SALVAGE	EACH	13
REMOVAL OF POLE FOUNDATION	EACH	23
• REMOVE EXISTING HANDHOLE	EACH	6
• REMOVE EXISTING CABLE	FOOT	140
• LIGHTING STANDARD, TYPE 4A	EACH	40
• LIGHTING STANDARD, TYPE 4B	EACH	2
• PAINT EXISTING POLE COMPLETE	EACH	1
• LUMINAIRE, LED, SPECIAL	EACH	44
• CONDUIT SPLICE	EACH	1
• HANDHOLE (SPECIAL)	EACH	1
• HEAVY-DUTY HANDHOLE (SPECIAL)	EACH	11
• HANDHOLE, COMPOSITE CONCRETE (SPECIAL)	EACH	12
• LIGHT POLE FOUNDATION, 24" DIAMETER, OFFSET	FOOT	68
• MODIFY EXISTING LIGHTING CONTROLLER	EACH	1
• EXPLORATION EXCAVATION (UTILITY)	FOOT	120
• MAINTENANCE OF LIGHTING SYSTEM	CAL MO	9
• SEE SPECIAL PROVISION		

## ABBREVIATIONS

A	AMPS
BOC	BACK OF CURB
CKT	CIRCUIT
DIA	DIAMETER
EOP	EDGE OF PAVEMENT
FT	FOOT
FOC	FACE OF CURB
FOS	FACE OF SIDEWALK
GND	GROUND
HD	HEAVY DUTY
HDPE	HIGH DENSITY POLYETHYLENE
HH	HAND HOLE
HPS	HIGH PRESSURE SODIUM
PVC	POLYVINYL CHLORIDE
RGS	RIGID GALVANIZED STEEL
ROW	RIGHT OF WAY
STA	STATION
V	VOLTS
W	WATTS

### CAUTION NOTICE TO CONTRACTOR

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

THE VILLAGE OF COAL CITY WILL OWN AND MAINTAIN THE PROPOSED LIGHTING SYSTEM.

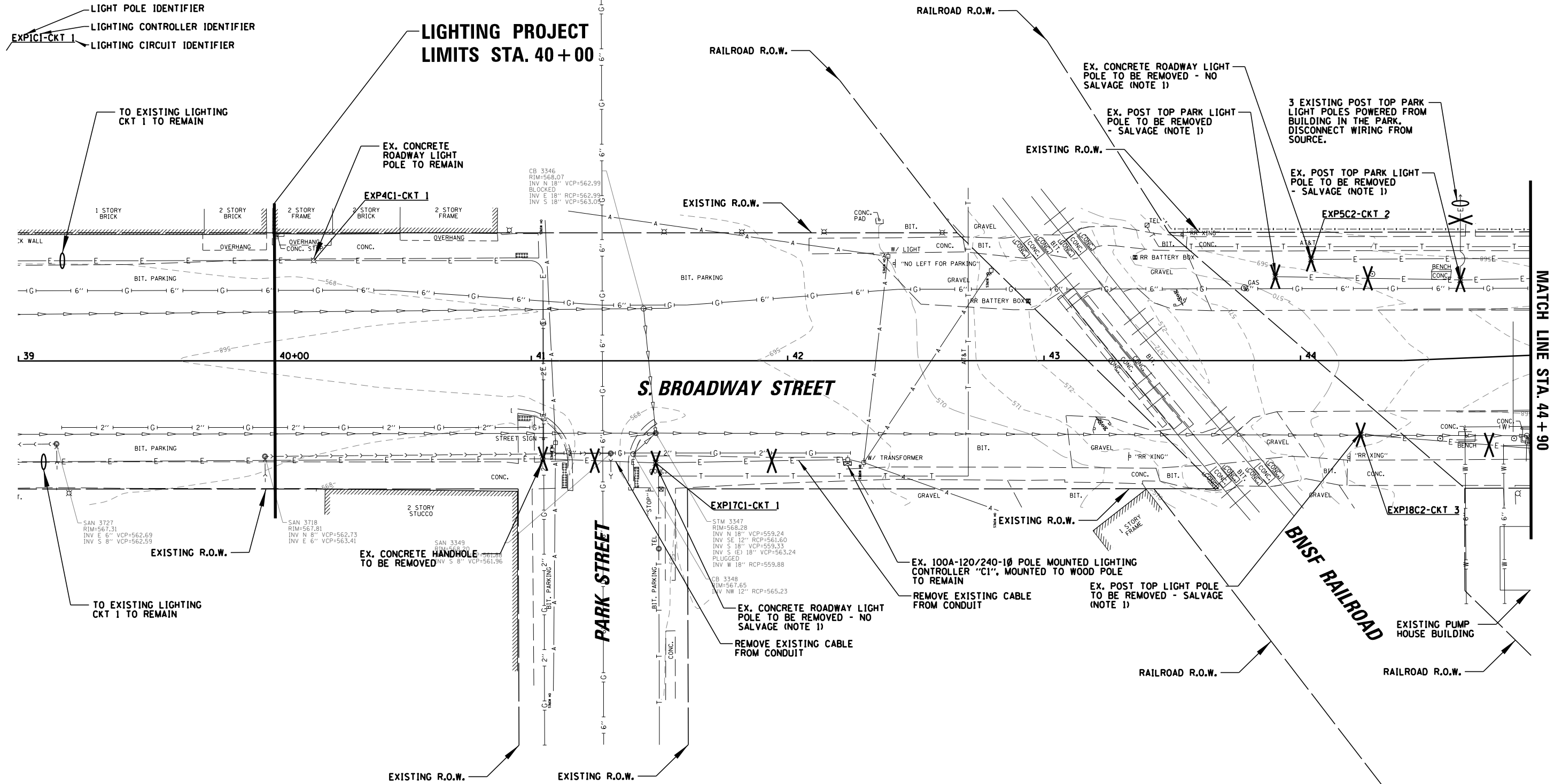
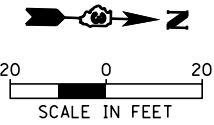
 9575 W. Higgins Road, Suite 600 Rosemont, Illinois 60018 (847) 823-0500	USER NAME = rhowellindgren	DESIGNED AJD	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>BROADWAY STREET</b> <b>LIGHTING GENERAL NOTES &amp; B.O.M.</b>			F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN RJJ	REVISIONS	REVISED -		288	14-00030-00-WR	GRUNDY	95	56			
PLOT SCALE = 48"	CHECKED AJD	REVISIONS	REVISED -		SCALE: 40' SHEET OF SHEETS STA. TO STA.			CONTRACT NO. 87710				
PLOT DATE = 11/13/2018	DATE -	REVISIONS	REVISED -		ILLINOIS FED. AID PROJECT							

**LEGEND**

- EXISTING VILLAGE OF COAL CITY LIGHT STANDARD AND FOUNDATION TO BE REMOVED
- EXISTING ELECTRICAL CONDUIT TO BE ABANDONED IN PLACE
- EXISTING LIGHTING CONTROLLER TO BE REMOVED
- EXISTING CONCRETE HANDHOLE TO BE REMOVED

**NOTES:**

1. AFTER PROPOSED LIGHTING IS INSTALLED & OPERATIONAL, THE CONTRACTOR SHALL DISCONNECT EXISTING LIGHT POLE AND REMOVE POLE/LUMINAIRE. EXISTING CONCRETE FOUNDATION SHALL BE REMOVED. AFTER LIGHT POLES HAVE BEEN REMOVED, CONTRACTOR SHALL REMOVE CONDUIT/WIRE TO 2' BELOW GRADE & ABANDON.
2. APPROXIMATE LOCATION WHERE EXISTING CONDUIT TO BE CUT AND CONNECTED TO PROPOSED HANDHOLE (SEE PROPOSED DRAWING).
3. REMOVE EXISTING CABLES FROM LOCATION OF PROPOSED HANDHOLE TO EXISTING LIGHT POLE NORTH. EXISTING CABLES TO BE ROUTED (UNCUT) THROUGH PROPOSED HANDHOLE TO PROPOSED POLE AND SPLICED IN POLE.



9575 W. Higgins Road, Suite 600  
Rosemont, Illinois 60018  
(847) 823-0500

USER NAME = rhowellindgren  
DESIGNED AJD  
DRAWN RJJ  
CHECKED AJD  
DATE -

REVISIONS  
REVISOR  
REVISION  
REVISOR  
REVISION  
REVISOR

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

BROADWAY STREET  
LIGHTING REMOVAL PLAN (1 OF 5)  
SCALE: 40'  
SHEET OF SHEETS STA. TO STA.

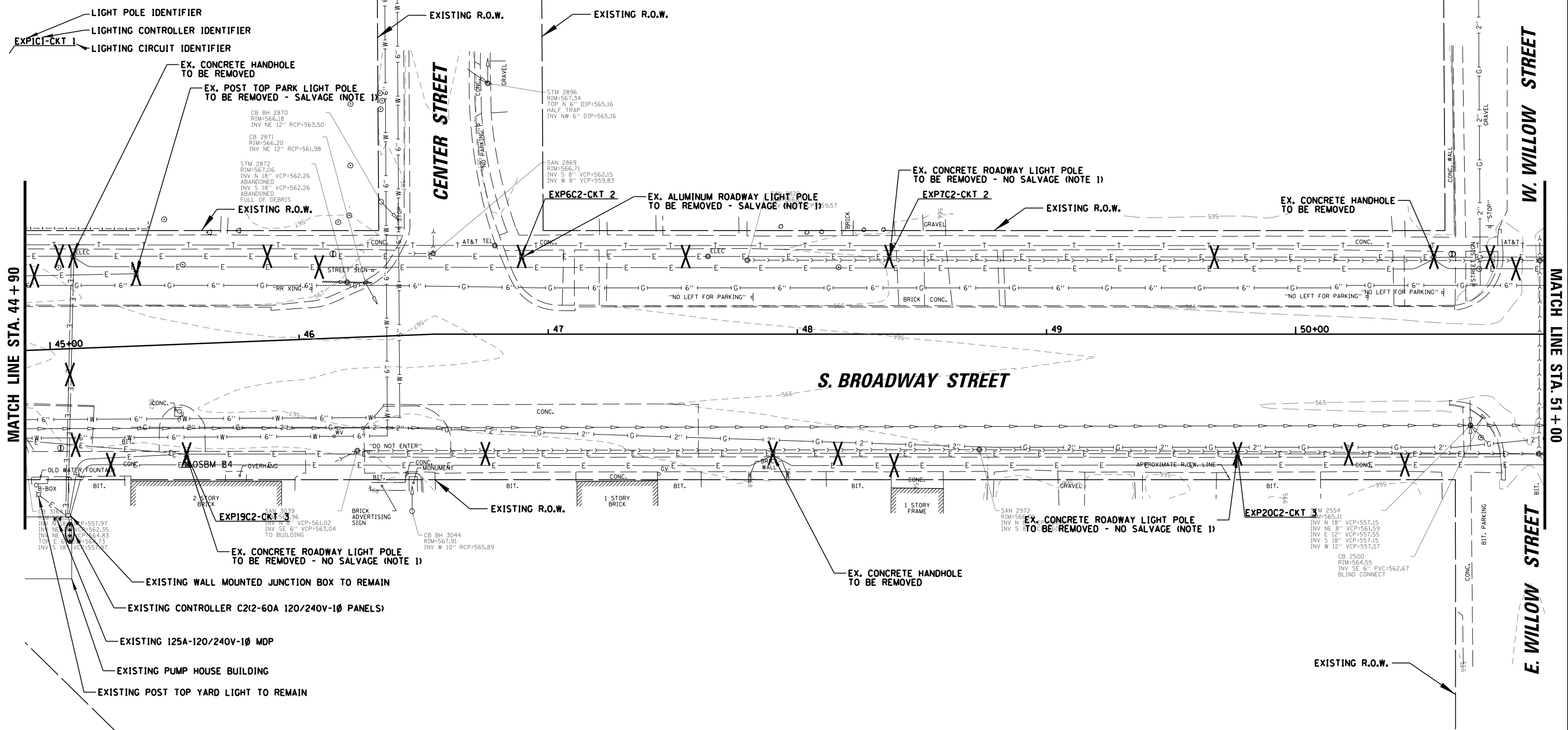
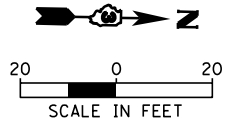
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
288	14-00030-00-WR	GRUNDY	95	57
CONTRACT NO. 87710			ILLINOIS FED. AID PROJECT	

**LEGEND**

- EXISTING VILLAGE OF COAL CITY LIGHT STANDARD AND FOUNDATION TO BE REMOVED
- EXISTING ELECTRICAL CONDUIT TO BE ABANDONED IN PLACE
- EXISTING LIGHTING CONTROLLER TO BE REMOVED
- EXISTING CONCRETE HANDHOLE TO BE REMOVED

**NOTES:**

1. AFTER PROPOSED LIGHTING IS INSTALLED & OPERATIONAL, THE CONTRACTOR SHALL DISCONNECT EXISTING LIGHT POLE AND REMOVE POLE/LUMINAIRE. EXISTING CONCRETE FOUNDATION SHALL BE REMOVED. AFTER LIGHT POLES HAVE BEEN REMOVED, CONTRACTOR SHALL REMOVE CONDUIT/WIRE TO 2' BELOW GRADE & ABANDON.
2. APPROXIMATE LOCATION WHERE EXISTING CONDUIT TO BE CUT AND CONNECTED TO PROPOSED HANDHOLE (SEE PROPOSED DRAWING).
3. REMOVE EXISTING CABLES FROM LOCATION OF PROPOSED HANDHOLE TO EXISTING LIGHT POLE NORTH. EXISTING CABLES TO BE ROUTED (UNCUT) THROUGH PROPOSED HANDHOLE TO PROPOSED POLE AND SPLICED IN POLE.



MATCH LINE STA. 44 + 90

MATCH LINE STA. 51 + 00

9575 W. Higgins Road, Suite 600  
Rosemont, Illinois 60018  
(847) 823-0500

USER NAME = rhowellindgren	DESIGNED AJD	REVISED -
DRAWN RJJ	REVISED -	
CHECKED AJD	REVISED -	
DATE -	REVISED -	

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**BROADWAY STREET  
LIGHTING REMOVAL PLAN (2 OF 5)**

SCALE: 40' SHEET OF SHEETS STA. TO STA.

F.A.S. RTE. 288	SECTION 14-00030-00-WR	COUNTY GRUNDY	TOTAL SHEETS 95	SHEET NO. 58
CONTRACT NO. 87710				
ILLINOIS FED. AID PROJECT				

FILE NAME = N:\Coal City\170314\Mech\REM\_170314\_02.DGN

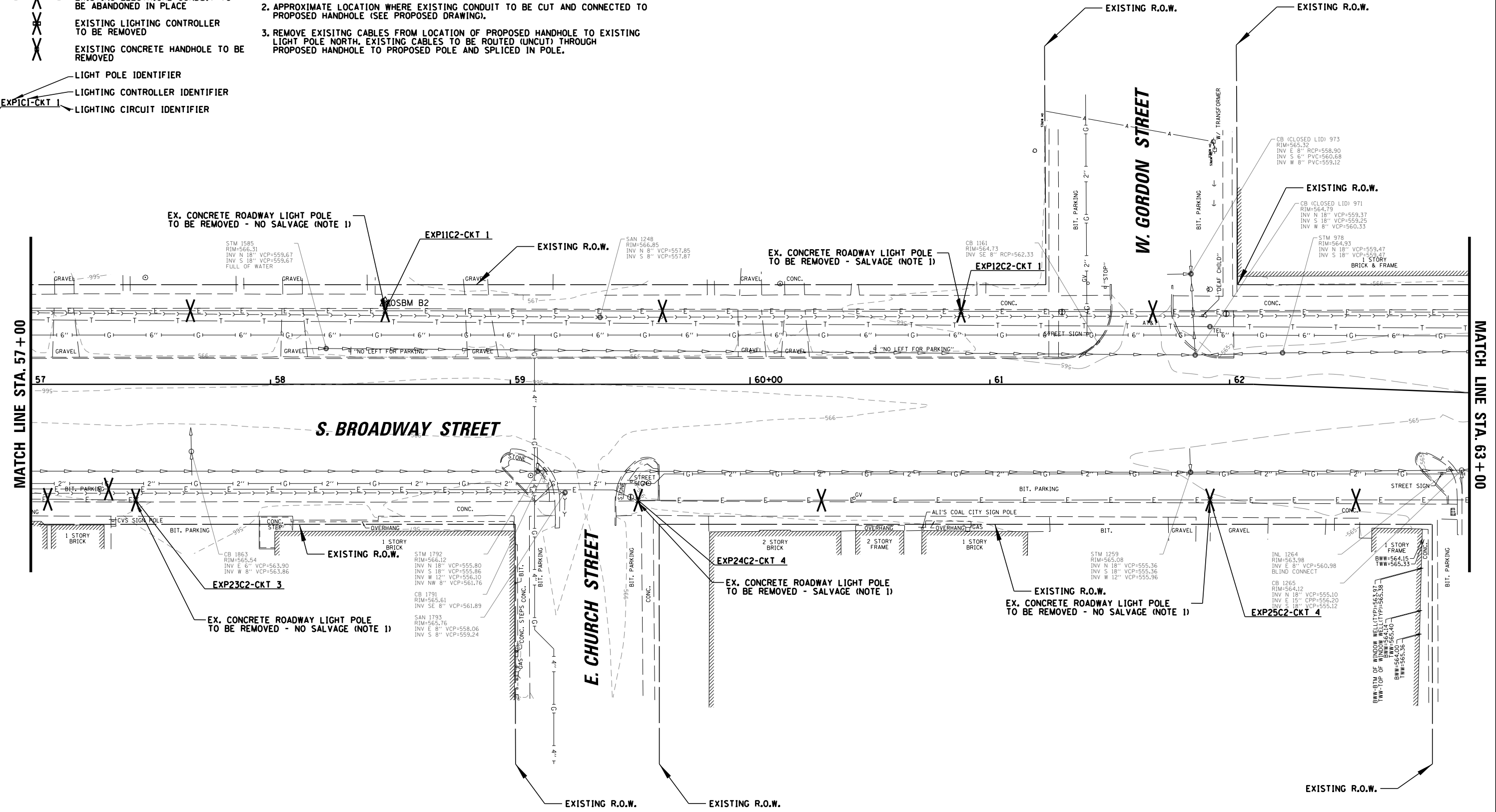
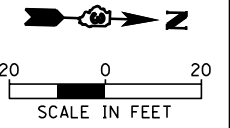


**LEGEND**

- EXISTING VILLAGE OF COAL CITY LIGHT STANDARD AND FOUNDATION TO BE REMOVED
- EXISTING ELECTRICAL CONDUIT TO BE ABANDONED IN PLACE
- EXISTING LIGHTING CONTROLLER TO BE REMOVED
- EXISTING CONCRETE HANDHOLE TO BE REMOVED
- LIGHT POLE IDENTIFIER
- LIGHTING CONTROLLER IDENTIFIER
- LIGHTING CIRCUIT IDENTIFIER

**NOTES:**

1. AFTER PROPOSED LIGHTING IS INSTALLED & OPERATIONAL, THE CONTRACTOR SHALL DISCONNECT EXISTING LIGHT POLE AND REMOVE POLE/LUMINAIRE. EXISTING CONCRETE FOUNDATION SHALL BE REMOVED. AFTER LIGHT POLES HAVE BEEN REMOVED, CONTRACTOR SHALL REMOVE CONDUIT/WIRE TO 2' BELOW GRADE & ABANDON.
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9575 W. Higgins Road, Suite 600  
Rosemont, Illinois 60018  
(847) 823-0500

USER NAME = rhowellindgren	DESIGNED AJD	REVISED -
DRAWN RJJ	REVISED -	
CHECKED AJD	REVISED -	
DATE -	REVISED -	

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**BROADWAY STREET  
LIGHTING REMOVAL PLAN (4 OF 5)**

SCALE: 40' SHEET OF SHEETS STA. TO STA.

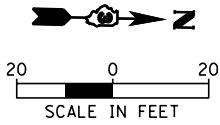
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
288	14-00030-00-WR	GRUNDY	95	60
CONTRACT NO. 87710				
ILLINOIS FED. AID PROJECT				

**LEGEND**

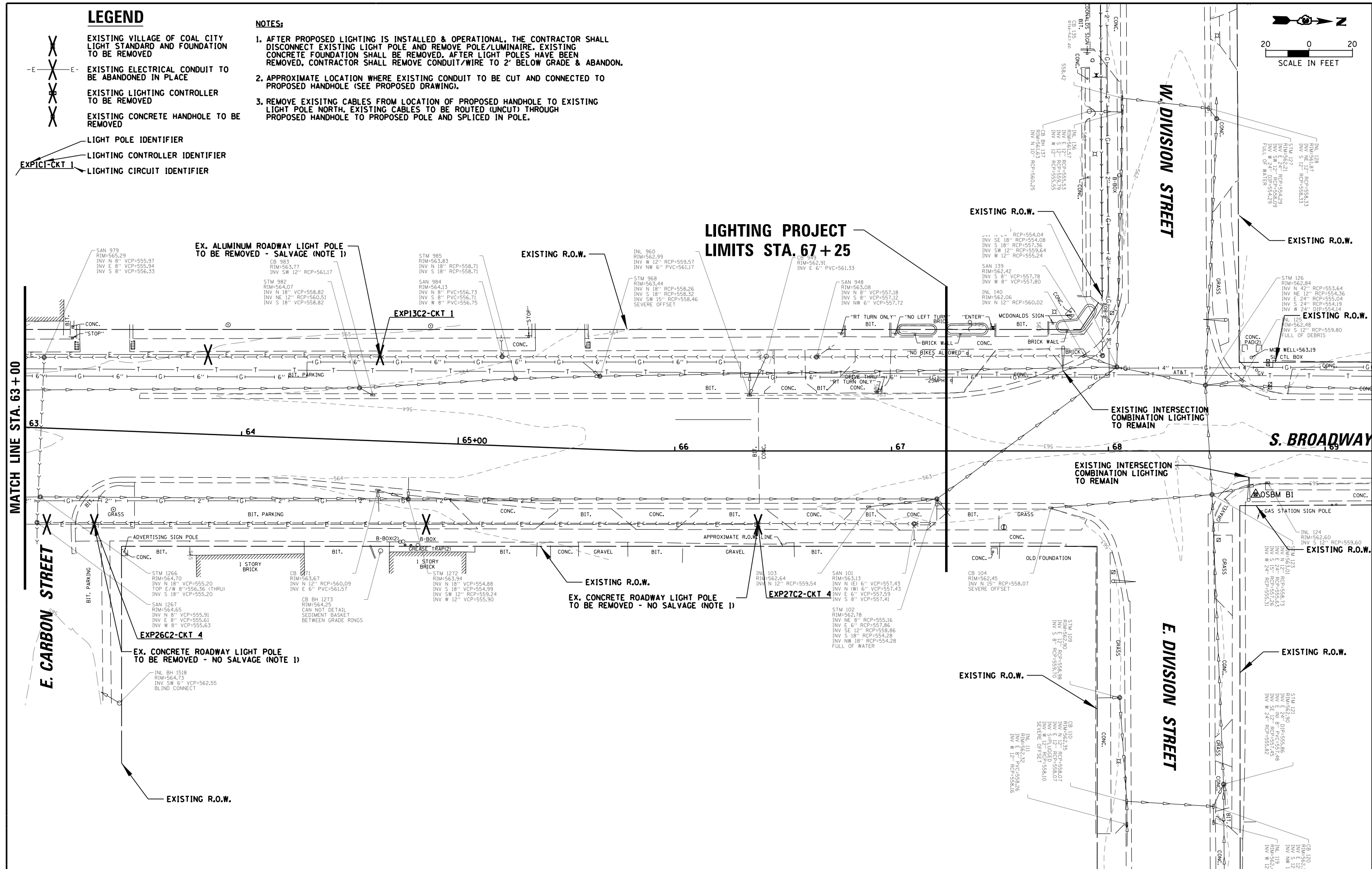
- EXISTING VILLAGE OF COAL CITY LIGHT STANDARD AND FOUNDATION TO BE REMOVED
- EXISTING ELECTRICAL CONDUIT TO BE ABANDONED IN PLACE
- EXISTING LIGHTING CONTROLLER TO BE REMOVED
- EXISTING CONCRETE HANDHOLE TO BE REMOVED
- LIGHT POLE IDENTIFIER
- LIGHTING CONTROLLER IDENTIFIER
- LIGHTING CIRCUIT IDENTIFIER

**NOTES:**

1. AFTER PROPOSED LIGHTING IS INSTALLED & OPERATIONAL, THE CONTRACTOR SHALL DISCONNECT EXISTING LIGHT POLE AND REMOVE POLE/LUMINAIRE. EXISTING CONCRETE FOUNDATION SHALL BE REMOVED. AFTER LIGHT POLES HAVE BEEN REMOVED, CONTRACTOR SHALL REMOVE CONDUIT/WIRE TO 2' BELOW GRADE & ABANDON.
2. APPROXIMATE LOCATION WHERE EXISTING CONDUIT TO BE CUT AND CONNECTED TO PROPOSED HANDHOLE (SEE PROPOSED DRAWING).
3. REMOVE EXISTING CABLES FROM LOCATION OF PROPOSED HANDHOLE TO EXISTING LIGHT POLE NORTH. EXISTING CABLES TO BE ROUTED (UNCUT) THROUGH PROPOSED HANDHOLE TO PROPOSED POLE AND SPLICED IN POLE.



**LIGHTING PROJECT LIMITS STA. 67+25**



MATCH LINE STA. 63+00

E. CARBON STREET

E. DIVISION STREET

W. DIVISION STREET

S. BROADWAY

**BCB** 9575 W. Higgins Road, Suite 600  
Rosemont, Illinois 60018  
(847) 823-0500

USER NAME = rhowellindgren
PLOT SCALE = 48"
PLOT DATE = 11/13/2018

DESIGNED AJD	REVISED -
DRAWN RJJ	REVISED -
CHECKED AJD	REVISED -
DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

SCALE: 40'	SHEET OF SHEETS	STA. TO STA.
<b>BROADWAY STREET LIGHTING REMOVAL PLAN (5 OF 5)</b>		

F.A.S. RTE. 288	SECTION 14-00030-00-WR	COUNTY GRUNDY	TOTAL SHEETS 95	SHEET NO. 61
CONTRACT NO. 87710				
ILLINOIS FED. AID PROJECT				

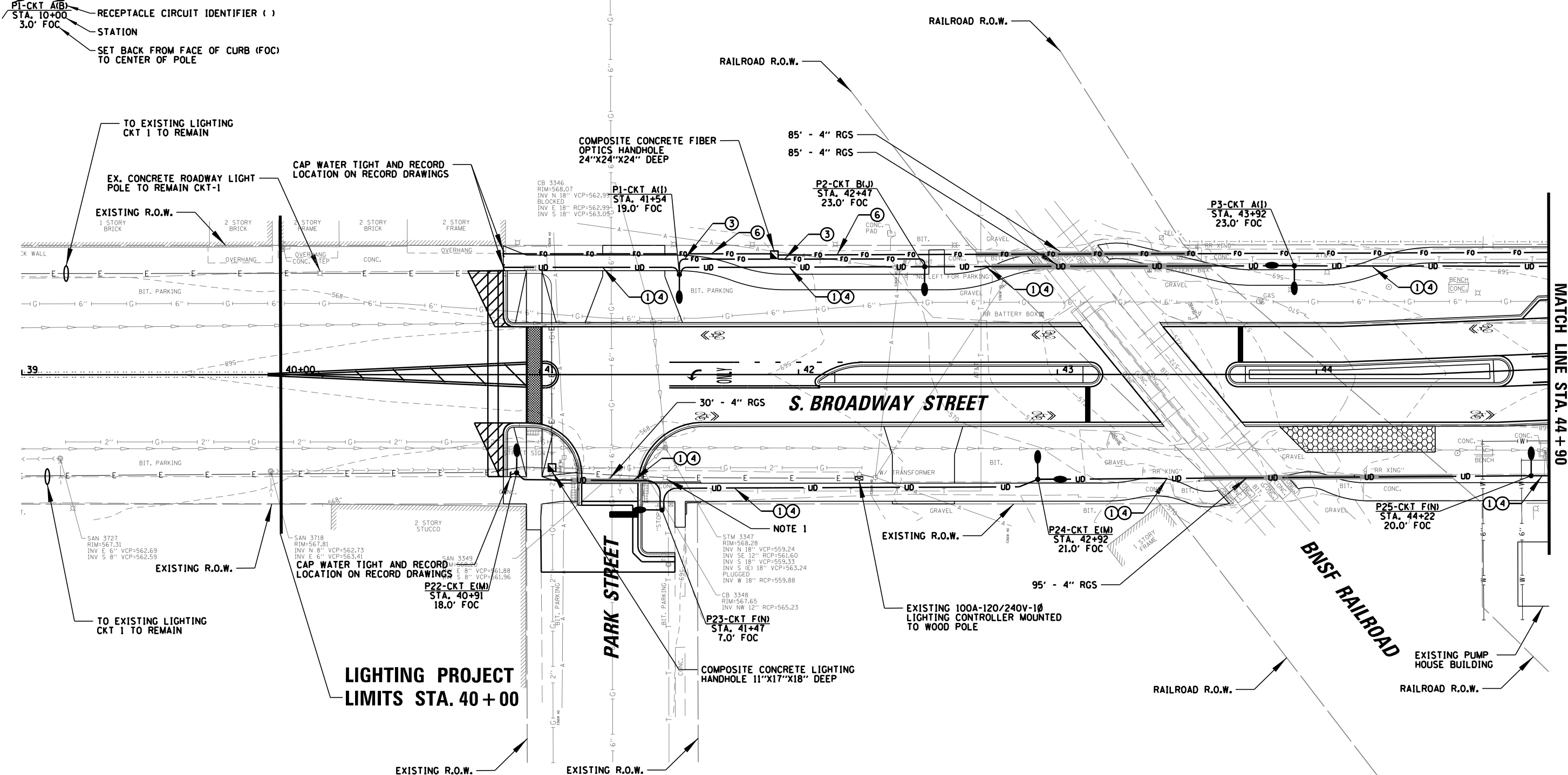
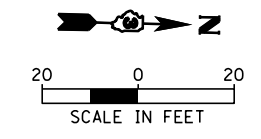


**LEGEND**

- PROPOSED 35' DECORATIVE ALUMINUM POLE WITH LED LUMINAIRE MOUNTED ON 4' MAST ARM
- PROPOSED 35' DECORATIVE ALUMINUM POLE WITH (2) LED LUMINAIRES MOUNTED ON 4' MAST ARMS
- LIGHT POLE IDENTIFIER
- LIGHTING CIRCUIT IDENTIFIER
- RECEPTACLE CIRCUIT IDENTIFIER ( )
- STATION
- SET BACK FROM FACE OF CURB (FOC) TO CENTER OF POLE
- PROPOSED CONCRETE HANDHOLE
- PROPOSED SCH 40 HDPE CONDUIT
- PROPOSED RGS CONDUIT SLEEVE (SIZE AS INDICATED)
- PROPOSED LIGHTING CONTROLLER

**CONDUCTOR/CONDUIT SCHEDULE**

- ① 4/C #8, 2/C #6, 1/C #6 N & 1/C #6 GND XLP-TYPE USE CABLES IN 1/2" SCH40 HDPE CONDUIT (#8 LIGHTING, #6 RECEPTACLES)
- ② 2/C #8, 1/C #6, 1/C #6 N & 1/C #6 GND XLP-TYPE USE CABLES IN 1/2" SCH40 HDPE CONDUIT (#8 LIGHTING, #6 RECEPTACLES)
- ③ PULL STRING IN 1" SCH40 HDPE CONDUIT (FUTURE FIBER)
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**NOTES:**  
 1. CONNECT TWO EXISTING HDPE CONDUITS TOGETHER AT LOCATION OF REMOVED POLE WITH LISTED COUPLER AND INSTALL NEW SPAN OF 2/C #2, 1/C #2 N & 1/C #8 GND. COUPLER PAID FOR UNDER "CONDUIT SPLICE" (SEE SPECIAL PROVISION).

**CB**  
 9575 W. Higgins Road, Suite 600  
 Rosemont, Illinois 60018  
 (847) 823-0500

USER NAME = rhowellindgren  
 DESIGNED AJD  
 DRAWN RJJ  
 CHECKED AJD  
 DATE -

REVISIED -  
 REVISIED -  
 REVISIED -  
 REVISIED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**BROADWAY STREET  
 PROPOSED LIGHTING PLAN (1 OF 5)**  
 SCALE: 40'  
 SHEET OF SHEETS STA. TO STA.

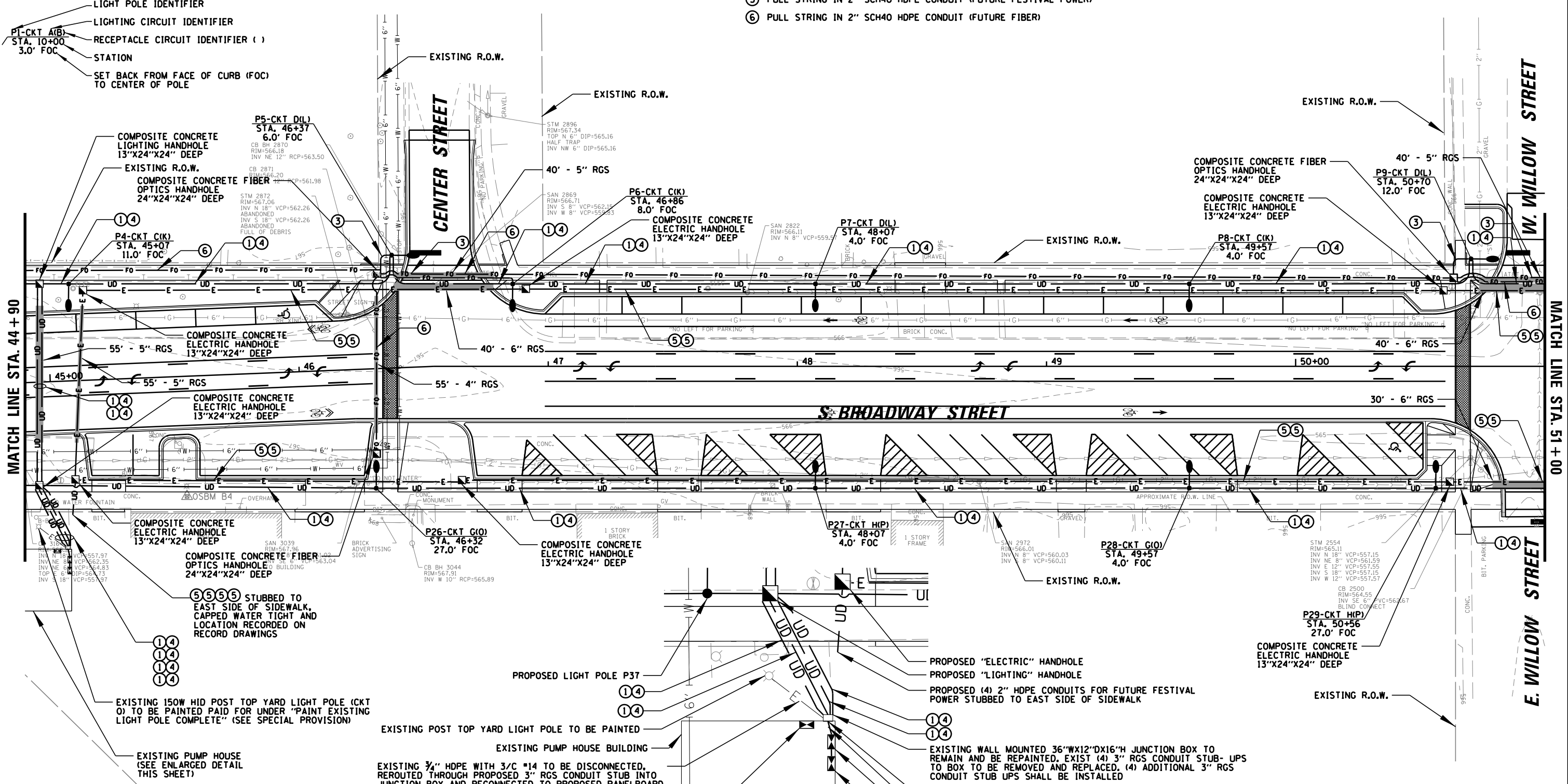
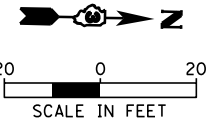
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
288	14-00030-00-WR	GRUNDY	95	62
ILLINOIS FED. AID PROJECT			CONTRACT NO. 87710	

**LEGEND**

- PROPOSED 35' DECORATIVE ALUMINUM POLE WITH LED LUMINAIRE MOUNTED ON 4' MAST ARM
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**NOTES:**

1. CONNECT TWO EXISTING HDPE CONDUITS TOGETHER AT LOCATION OF REMOVED POLE WITH LISTED COUPLER AND INSTALL NEW SPAN OF 2/C #2, 1/C #2 N & 1/C #8 GND. COUPLER PAID FOR UNDER "CONDUIT SPLICE" (SEE SPECIAL PROVISION).

EXISTING 125A-120/240V-1Ø-8 SPACE MDP

**ENLARGED PUMP HOUSE LAYOUT**  
N.T.S.

- PROPOSED "ELECTRIC" HANDHOLE
- PROPOSED "LIGHTING" HANDHOLE
- PROPOSED (4) 2" HDPE CONDUITS FOR FUTURE FESTIVAL POWER STUBBED TO EAST SIDE OF SIDEWALK
- EXISTING WALL MOUNTED 36"WX12"DIX16"H JUNCTION BOX TO REMAIN AND BE REPAINTED. EXIST (4) 3" RGS CONDUIT STUB-UPS TO BOX TO BE REMOVED AND REPLACED. (4) ADDITIONAL 3" RGS CONDUIT STUB UPS SHALL BE INSTALLED
- EXISTING 4" RGS CONDUIT THROUGH WALL TO REMAIN
- EXISTING 36"WX6"HX6"D WIREWAY TO REMAIN
- EXISTING 120/240V-1Ø-6 SPACE PANELBOARD TO BE REMOVED AND REPLACED WITH NEW 20 SPACE PANELBOARD LP-1
- EXISTING 120/240V-1Ø-6 SPACE PANELBOARD TO BE REMOVED AND REPLACED WITH NEW 20 SPACE PANELBOARD RP-1

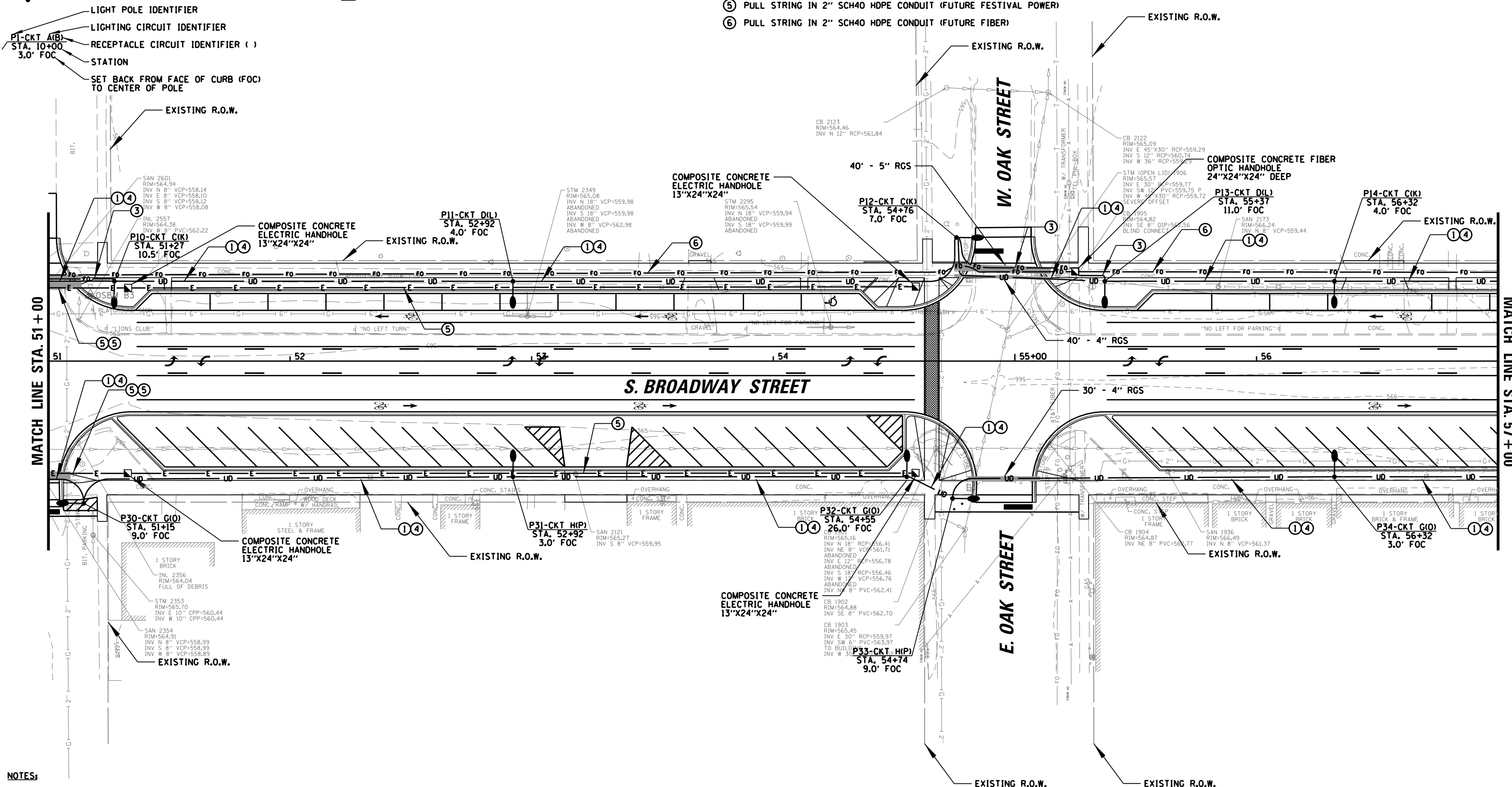
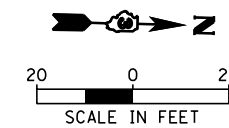
9575 W. Higgins Road, Suite 600 Rosemont, Illinois 60018 (847) 823-0500	USER NAME = rhowellindgren	DESIGNED AJD	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	BROADWAY STREET PROPOSED LIGHTING PLAN (2 OF 5)		F.A.S. RT. 288	SECTION 14-00030-00-WR	COUNTY GRUNDY	TOTAL SHEETS 95	SHEET NO. 63
	PLOT SCALE = 48"	DRAWN RJJ	REVISED -		SCALE: 40'	SHEET OF SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT		CONTRACT NO. 87710	
	PLOT DATE = 11/13/2018	CHECKED AJD	REVISED -								
		DATE -	REVISED -								

**LEGEND**

- PROPOSED 35' DECORATIVE ALUMINUM POLE WITH LED LUMINAIRE MOUNTED ON 4' MAST ARM
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 9575 W. Higgins Road, Suite 600  
 Rosemont, Illinois 60018  
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USER NAME = rhowellindgren  
 DESIGNED AJD  
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 DATE -

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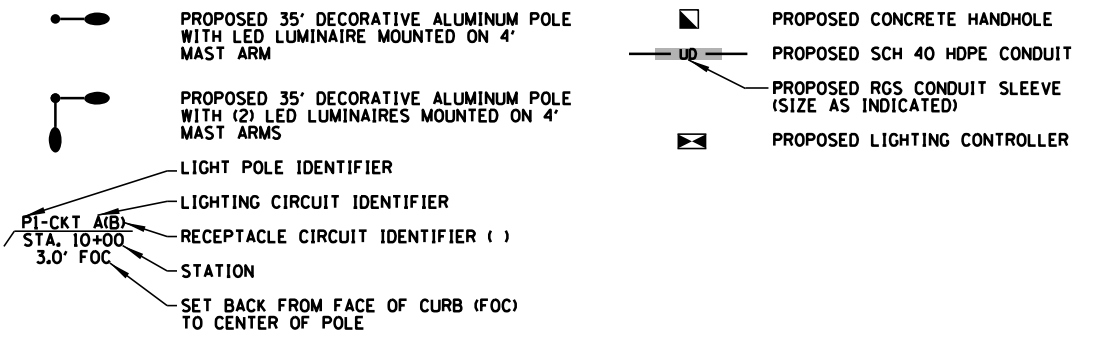
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**BROADWAY STREET  
 PROPOSED LIGHTING PLAN (3 OF 5)**  
 SCALE: 40' SHEET OF SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
288	14-00030-00-WR	GRUNDY	95	64
CONTRACT NO. 87710				
ILLINOIS FED. AID PROJECT				

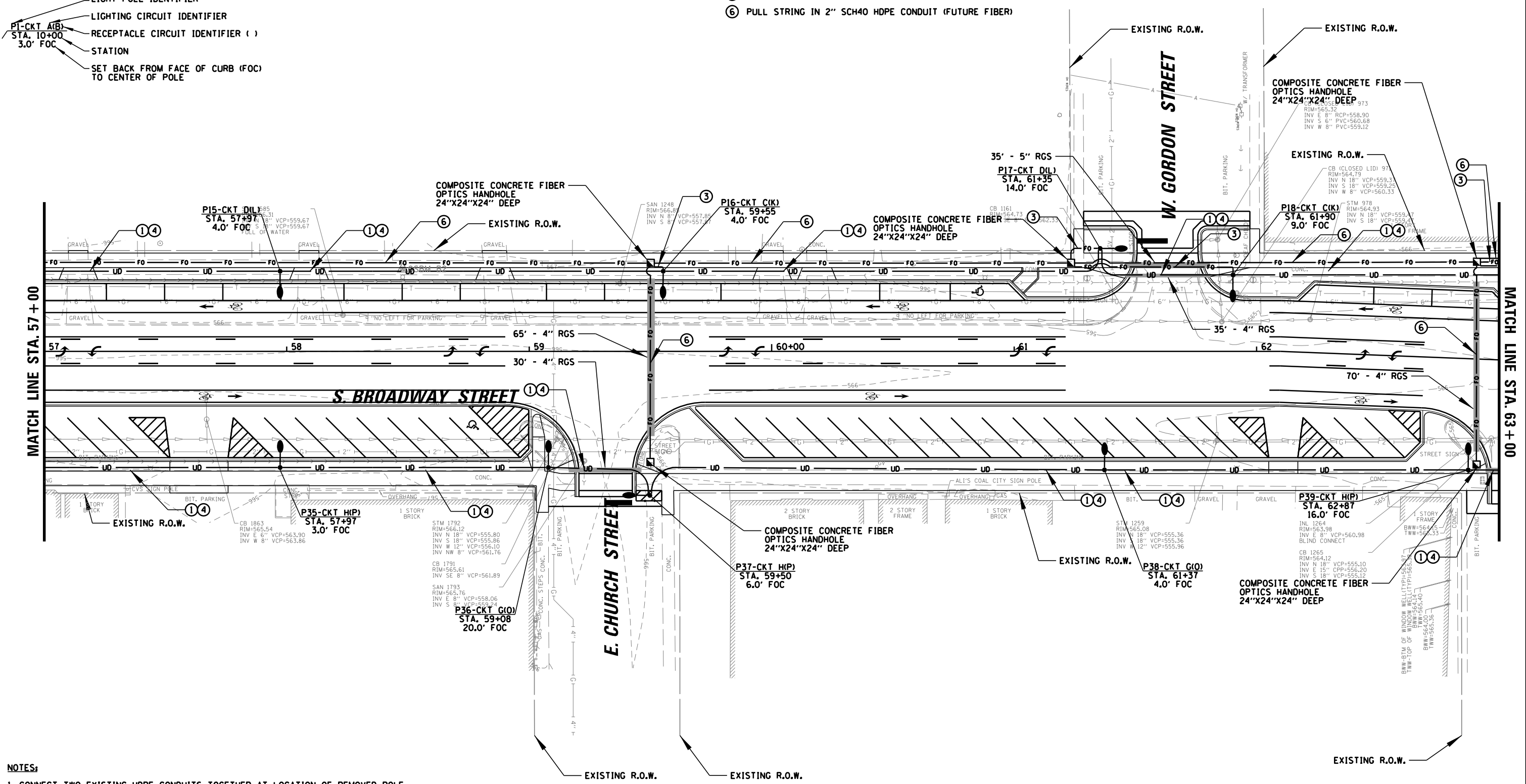
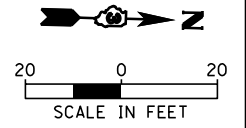
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**LEGEND**



**CONDUCTOR/CONDUIT SCHEDULE**

- ① 4/C #8, 2/C #6, 1/C #6 N & 1/C #6 GND XLP-TYPE USE CABLES IN 1/2" SCH40 HDPE CONDUIT (#8 LIGHTING, #6 RECEPTACLES)
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9575 W. Higgins Road, Suite 600  
Rosemont, Illinois 60018  
(847) 823-0500

USER NAME = rhowellindgren	DESIGNED AJD	REVISED -
	DRAWN RJJ	REVISED -
PLOT SCALE = 48"	CHECKED AJD	REVISED -
PLOT DATE = 11/13/2018	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

BROADWAY STREET PROPOSED LIGHTING PLAN (4 OF 5)	
SCALE: 40'	SHEET OF SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
288	14-00030-00-WR	GRUNDY	95	65
ILLINOIS FED. AID PROJECT				

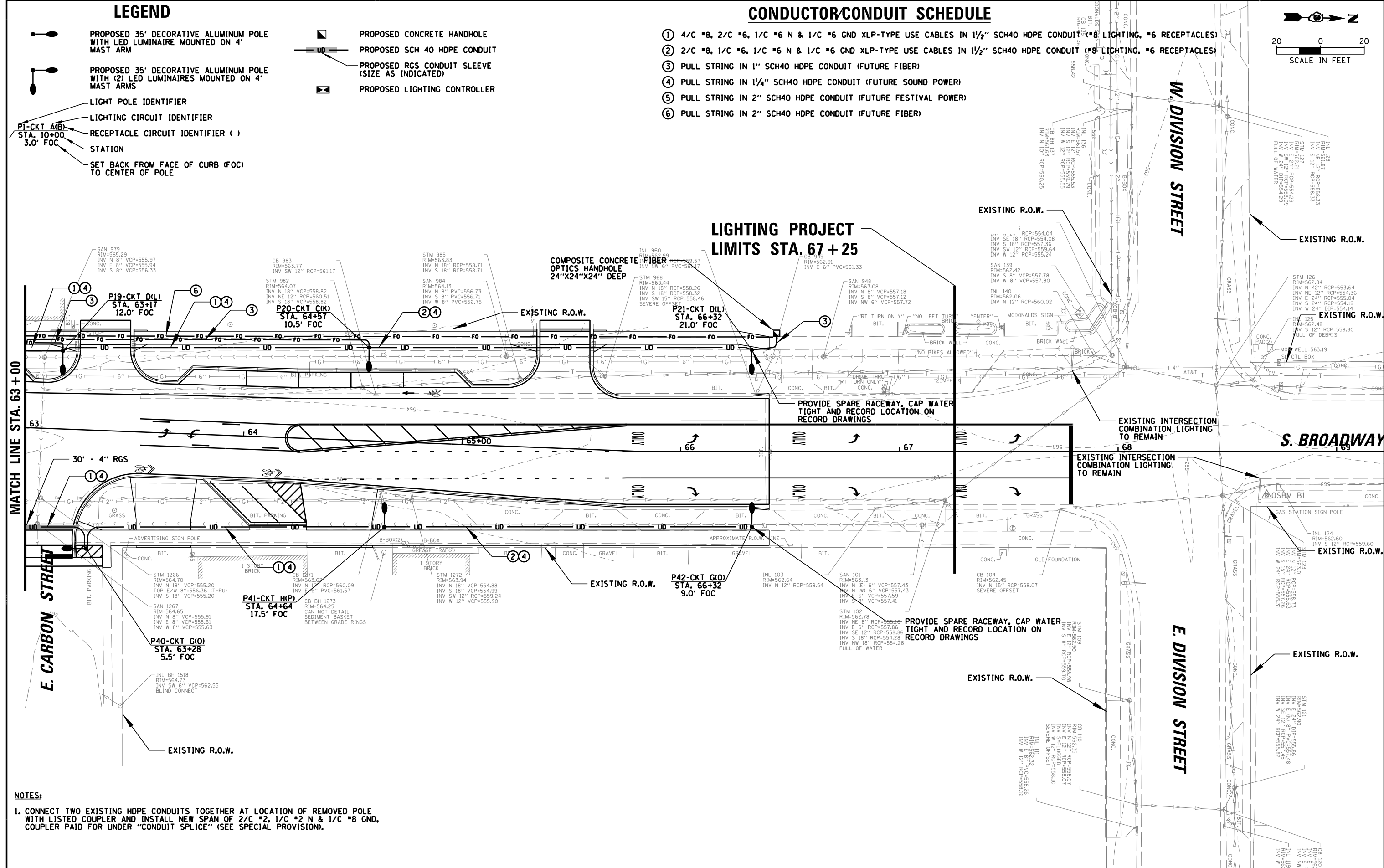
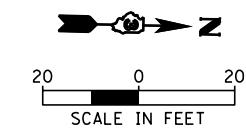
CONTRACT NO. 87710

**LEGEND**

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- PROPOSED RGS CONDUIT SLEEVE (SIZE AS INDICATED)
- PROPOSED LIGHTING CONTROLLER

**CONDUCTOR/CONDUIT SCHEDULE**

- ① 1/4" #8, 2/2" #6, 1/1" #6 N & 1/1" #6 GND XLP-TYPE USE CABLES IN 1 1/2" SCH40 HDPE CONDUIT (#8 LIGHTING, #6 RECEPTACLES)
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9575 W. Higgins Road, Suite 600 Rosemont, Illinois 60018 (847) 823-0500	USER NAME = rhowellindgren DESIGNED AJD DRAWN RJJ PLOT SCALE = 48" PLOT DATE = 11/13/2018	CHECKED AJD DATE -	REVISED - REVISED - REVISED - REVISED -	<b>STATE OF ILLINOIS                  DEPARTMENT OF TRANSPORTATION</b>	<b>BROADWAY STREET                  PROPOSED LIGHTING PLAN (5 OF 5)</b>			F.A.S. RTE. 288 SECTION 14-00030-00-WR COUNTY GRUNDY TOTAL SHEETS 95 SHEET NO. 66
	SCALE: 40' SHEET OF SHEETS STA. TO STA.				CONTRACT NO. 87710 ILLINOIS FED. AID PROJECT			

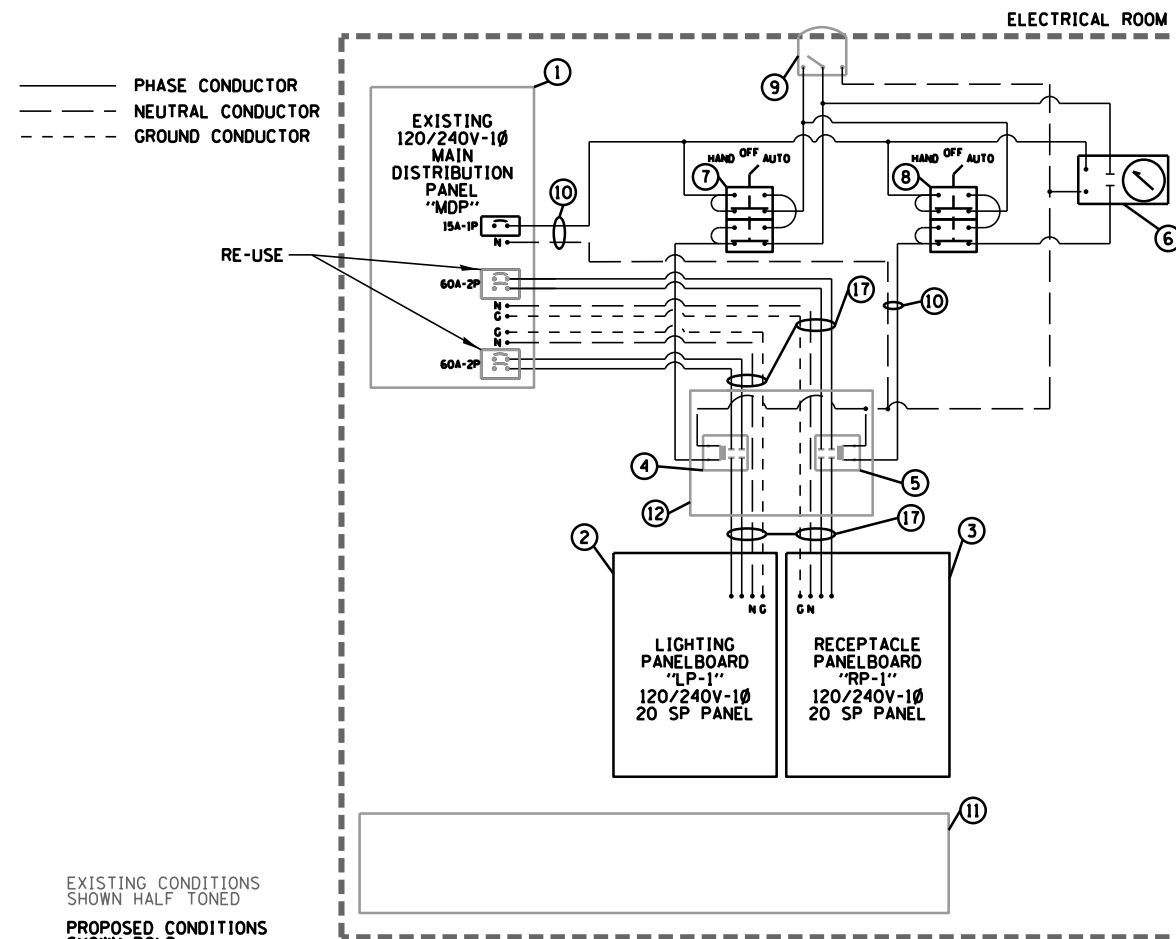


LIGHTING PANELBOARD SCHEDULE LP-1									
FED FROM: EXISTING MDP				TOT. 'A' PHASE:		3765 VA			
VOLTAGE: 240V, 1 PH, 3W				TOT. 'B' PHASE:		3970 VA			
BUS SIZE: 125				TOTAL 'A' + 'B':		7735 VA			
MAINS: 100A - MAIN LUGS ONLY				TOTAL AMPS:		32.2 A			
SPACES: 20									
SHORT CKT RATING: 10KAIC									
BONDING JUMPER: NO									
MOUNTING: SURFACE									
CKT #	CB/ POLES	DESCRIPTION	A PH VA	B PH VA	A PH VA	B PH VA	DESCRIPTION	CB/ POLES	CKT #
1	20A/2P	S.W. LIGHTING CKT A	257	257	171		S.E. LIGHTING CKT E	20A/2P	2
3									4
5	20A/2P	S.W. LIGHTING CKT B	86		257		S.E. LIGHTING CKT F	20A/2P	6
7				86		257			8
9	20A/2P	N.W. LIGHTING CKT C	770		770		N.E. LIGHTING CKT G	20A/2P	10
11				770		770			12
13	20A/2P	N.W. LIGHTING CKT D	770		684		N.E. LIGHTING CKT H	20A/2P	14
15				770		684			16
17	20A/2P	SPARE					SPACE		18
19							YARD LIGHTING CKT Q	20A/1P	20
SUBTOTALS:			1883	1883	1882	2087			

NOTE: ALL CIRCUIT BREAKERS SHALL BE BOLT ON TYPE

RECEPTACLE PANELBOARD SCHEDULE RP-1									
FED FROM: EXISTING MDP				TOT. 'A' PHASE:		2728 VA			
VOLTAGE: 240V, 1 PH, 3W				TOT. 'B' PHASE:		2480 VA			
BUS SIZE: 125				TOTAL 'A' + 'B':		5208 VA			
MAINS: 100A - MAIN LUGS ONLY				TOTAL AMPS:		21.7 A			
SPACES: 20									
SHORT CKT RATING: 10KAIC									
BONDING JUMPER: NO									
MOUNTING: SURFACE									
CKT #	CB/ POLES	DESCRIPTION	A PH VA	B PH VA	A PH VA	B PH VA	DESCRIPTION	CB/ POLES	CKT #
1	20A/2P	S.W. RECEPTACLE CKT I	248		248		S.E. RECEPTACLE CKT M	20A/2P	2
3		S.W. RECEPTACLE CKT J		124		248	S.E. RECEPTACLE CKT N		4
5	20A/2P	N.W. RECEPTACLE CKT K	1116		1116		N.E. RECEPTACLE CKT O	20A/2P	6
7		N.W. RECEPTACLE CKT L		1116		992	N.E. RECEPTACLE CKT P		8
9	20A/2P	SPARE					SPACE	20A/2P	10
11		SPARE					SPACE		12
13		SPACE					SPACE		14
15		SPACE					SPACE		16
17		SPACE					SPACE		18
19		SPACE					SPACE		20
SUBTOTALS:			1364	1240	1364	1240			

NOTE: ALL CIRCUIT BREAKERS SHALL BE BOLT ON TYPE

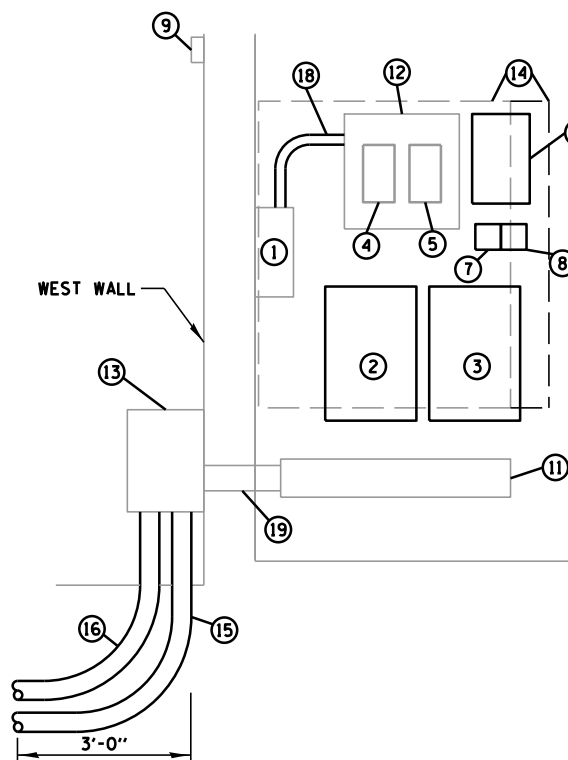


**LIGHTING CONTROL DIAGRAM**  
N.T.S.

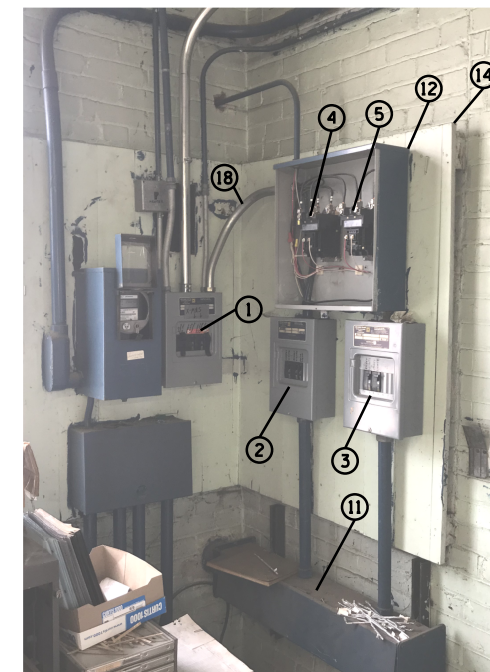
ITEM	SPECIFICATION	NOTES
1 MAIN DISTRIBUTION PANEL (MDP)	120/240V, 1Ø, 20 SPACE, 10KAIC	RE-USE EXISTING (2) 60 A CB'S, ADD NEW 15A-1P CB
2 LIGHTING PANELBOARD (LP-1)	100A MLO, 120/240V, 1Ø, 20 SPACE, 10KAIC	REMOVE AND REPLACE
3 RECEPTACLE PANELBOARD (RP-1)	100A MLO, 120/240V, 1Ø, 12 SPACE, 10KAIC	REMOVE AND REPLACE
4 LIGHTING CONTACTOR (C1)	60A, 2 POLE, 120V COIL, ELECT HELD	EXISTING TO REMAIN
5 RECEPTACLE CONTACTOR (C2)	60A, 2 POLE, 120V COIL, ELECT HELD	EXISTING TO REMAIN
6 TIME CLOCK	20A, 1PST, 120V, MECH, CARRYOVER, 3R ENCLOSURE	PROPOSED
7 HAND-AUTO-OFF (HOA1) SWITCH	20A, 3 POS. MTD IN CAST ALUM. ENCLOSURE	PROPOSED
8 HAND-AUTO-OFF (HOA2) SWITCH	20A, 3 POS. MTD IN CAST ALUM. ENCLOSURE	PROPOSED
9 PHOTOCCELL	120V, 20A, JB MTD, DELAY TYPE, SPST-NC	EXISTING TO REMAIN
10 CONTROL WIRE	600V XLP NO. 14 THWN	REMOVE AND REPLACE
11 WIREWAY	36"x6"x6", NEMA 3R	EXISTING TO REMAIN
12 CONTACTOR JUNCTION BOX	18"x18"x6", NEMA 3R	EXISTING TO REMAIN
13 EXTERIOR JUNCTION BOX	21"x12"x16", NEMA 3R	REPAINT SAME COLOR AS EXISTING
14 BACKBOARD	WOOD, 3/4" THICK	WIDEN 6"
15 CONDUIT SLEEVES	(4) 3" RGS (FROM EXTERIOR JBOX TOP BELOW GRADE)	REMOVE AND REPLACE
16 CONDUIT SLEEVES	(4) 3" RGS (FROM EXTERIOR JBOX TOP BELOW GRADE)	PROPOSED
17 INTERIOR POWER WIRING	2/C #6, 1/C #6N AND 1/C #10 GND, 600V, THWN	REMOVE AND REPLACE
18 INTERIOR POWER CONDUIT	EMT FROM MDP TO CONTACTOR JBOX	REMOVE 1" AND REPLACE W/ 1 1/4"
19 CONDUIT THRU WALL	4" RGS FROM WIREWAY TO EXTERIOR JBOX	EXISTING TO REMAIN

- NOTES: 1. ALL WORK SHOWN ON THIS SHEET SHALL BE INCLUDED IN THE PAY ITEM FOR "MODIFY EXISTING LIGHTING CONTROLLER" (SEE SPECIAL PROVISION).
2. HOA SWITCHES, CONTACTORS AND TIME CLOCK SHALL BE IDENTIFIED USING TWO COLOR ENGRAVED NAMEPLATES.
3. THE TIMECLOCK SHALL BE SET TO TURN OFF RECEPTACLE PANELBOARD FROM 11:00PM TO 6:00AM.
4. ALL WIRING SHALL BE COPPER.

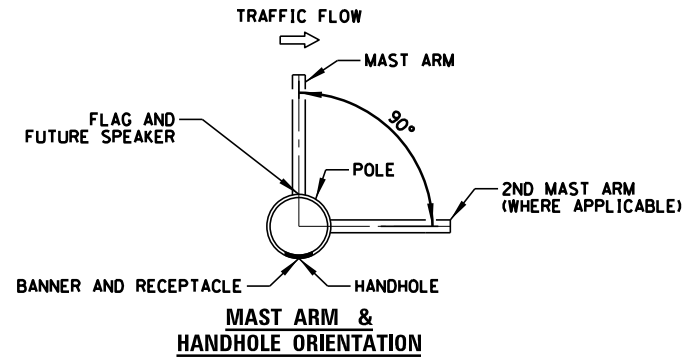
**LIGHTING CONTROL COMPONENT SCHEDULE**



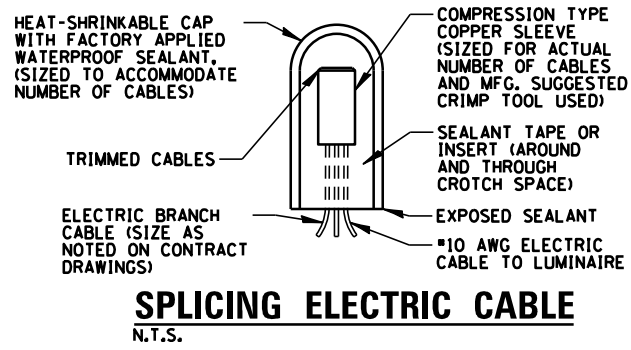
**ELECTRIC PANEL AND EQUIPMENT LAYOUT**  
N.T.S.



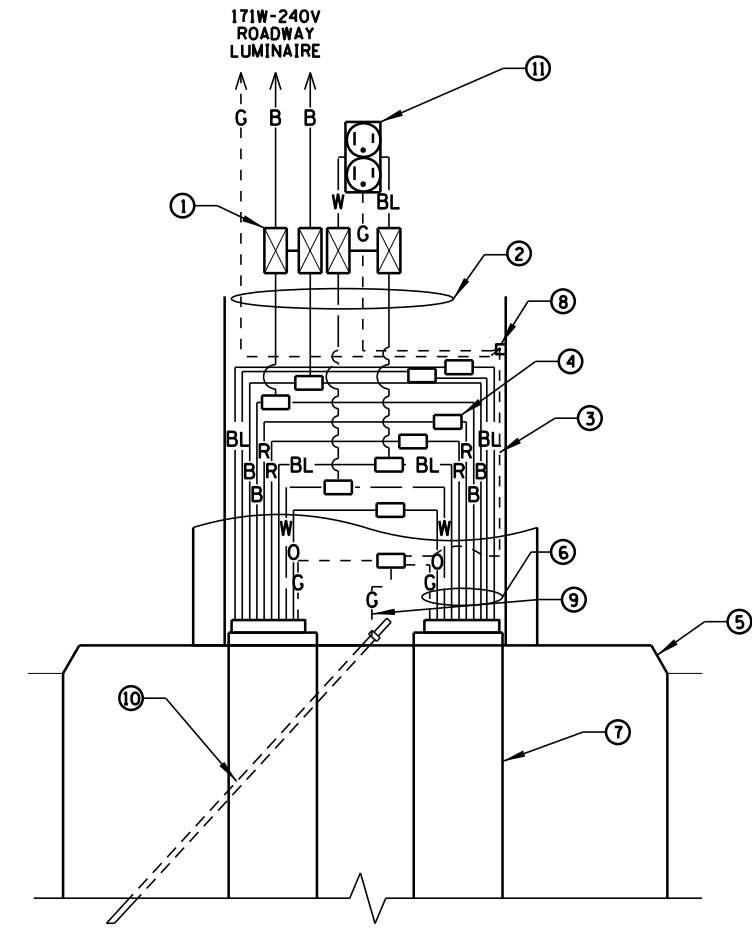
**PICTURE OF EXISTING CONTROLS**



**MAST ARM & HANDHOLE ORIENTATION**  
N.T.S.

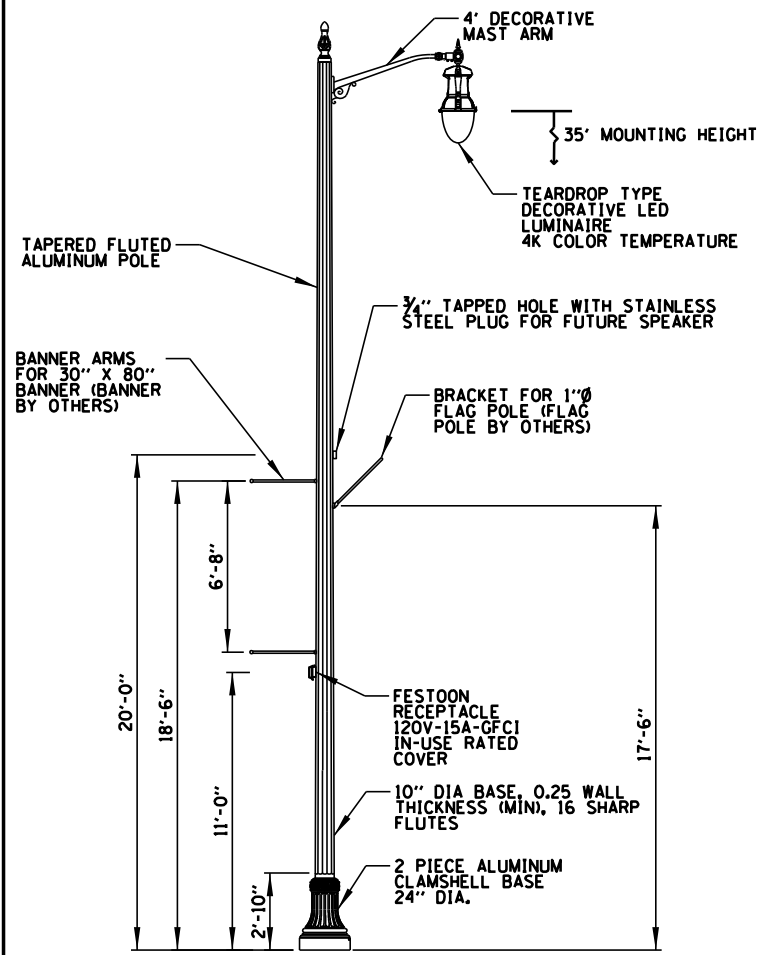


**SPlicing ELECTRIC CABLE**  
N.T.S.



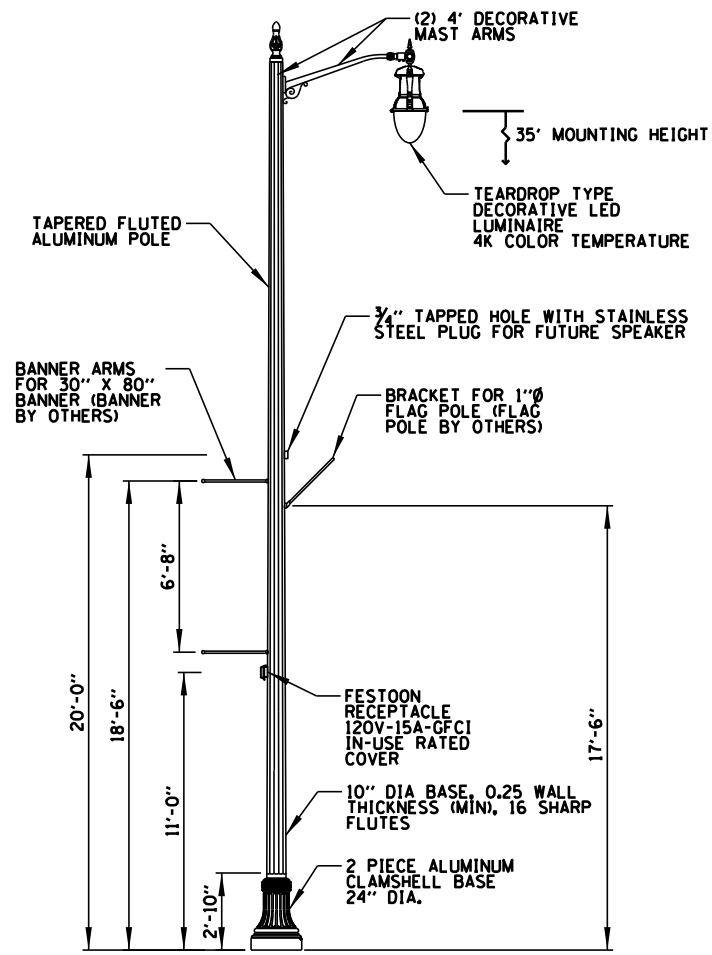
- 1 6A FUSE FOR ROADWAY LUMINAIRE, & 2A FUSE FOR FESTOON RECEPTACLE (NEUTRAL SHALL BE NON-FUSED) 2-POLE BREAKAWAY FUSE HOLDER & INSULATING BOOTS
  - 2 NO. 10 XLP-TYPE USE POLE WIRES TO LUMINAIRE & RECEPTACLE, SEE NOTE
  - 3 NO. 10 GROUND WIRE CONNECTED TO GROUND LUG IN LUMINAIRE
  - 4 MULTIPLE COMPRESSION FITTINGS (SPICE), TYP.
  - 5 CONCRETE FOUNDATION
  - 6 WIRES AS SHOWN ON PLANS
  - 7 PROPOSED LIGHTING CONDUIT PULLED THROUGH PVC RACEWAY
  - 8 POLE GROUND LUG, 1/4" 20 THREADED BOLT
  - 9 NO. 6 GROUND WIRE MECHANICALLY CLAMPED TO GROUND ROD
  - 10 GROUND ROD
  - 11 15A-120V GFCI RECEPTACLE
- NOTE: POLE WIRING INSULATION COLORING TO MATCH BRANCH CIRCUIT WIRING  
B=BLACK #8, R=RED #8, BL=BLUE #6, O=ORANGE #6, W=WHITE #6, G=GREEN #6

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



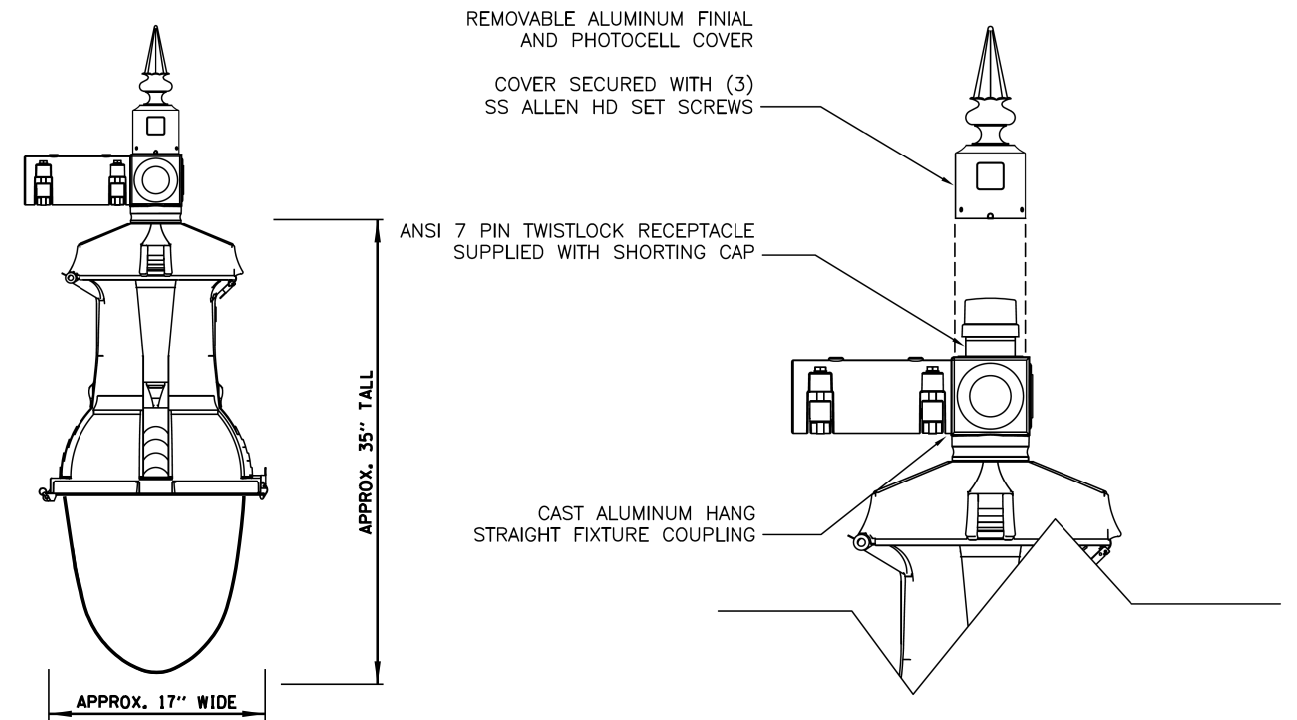
- NOTES:**
- LIGHT POLES SHALL MEET WIND LOADING & VIBRATION REQUIREMENTS ACCORDING TO THE LATEST AASHTO STANDARDS AND ARTICLE 1069.01 IN STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.
  - POLE HANDHOLE SHALL FACE AWAY FROM TRAFFIC.
  - LIGHT POLE COMPLETE SHALL BE PAID FOR UNDER "LIGHT STANDARD, TYPE 4A" (SEE SPECIAL PROVISION). LED LUMINAIRE SHALL BE PAID FOR UNDER "LUMINAIRE, LED, SPECIAL" (SEE SPECIAL PROVISION).
  - POLE, BASE, ARMS, LUMINAIRE, AND BRACKET PAINTED CUSTOM GREEN SIMILAR TO RAL 6005. CONTRACTOR SHALL COORDINATE EXACT COLOR WITH ENGINEER.

**LIGHT POLE TYPE 4A DETAIL**  
N.T.S.



- NOTES:**
- LIGHT POLES SHALL MEET WIND LOADING & VIBRATION REQUIREMENTS ACCORDING TO THE LATEST AASHTO STANDARDS AND ARTICLE 1069.01 IN STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.
  - POLE HANDHOLE SHALL FACE AWAY FROM TRAFFIC.
  - LIGHT POLE COMPLETE SHALL BE PAID FOR UNDER "LIGHT STANDARD, TYPE 4B" (SEE SPECIAL PROVISION). LED LUMINAIRE SHALL BE PAID FOR UNDER "LUMINAIRE, LED, SPECIAL" (SEE SPECIAL PROVISION).
  - POLE, BASE, ARMS, LUMINAIRE, AND BRACKET PAINTED CUSTOM GREEN SIMILAR TO RAL 6005. CONTRACTOR SHALL COORDINATE EXACT COLOR WITH ENGINEER.

**LIGHT POLE TYPE 4B DETAIL**  
N.T.S.



**ENLARGED LUMINAIRE DETAIL**  
N.T.S.

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

BROADWAY STREET  
LIGHTING DETAILS (2 OF 6)

SCALE: 40' SHEET OF SHEETS STA. TO STA.

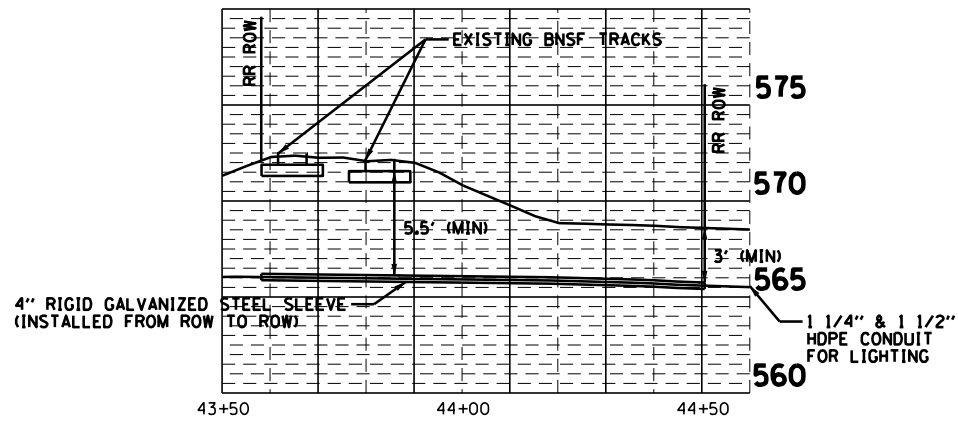
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
288	14-00030-00-WR	GRUNDY	95	68
CONTRACT NO. 87710			ILLINOIS FED. AID PROJECT	

9575 W. Higgins Road, Suite 600  
Rosemont, Illinois 60018  
(847) 823-0500

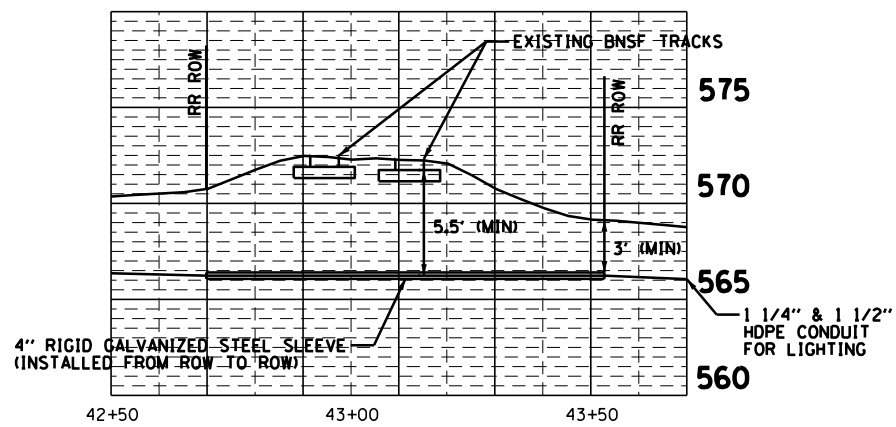
USER NAME = rhowellindgren  
DESIGNED AJD  
DRAWN RJJ  
PLOT SCALE = 48"  
CHECKED AJD  
PLOT DATE = 11/13/2018  
DATE

REVISD -  
REVISD -  
REVISD -  
REVISD -

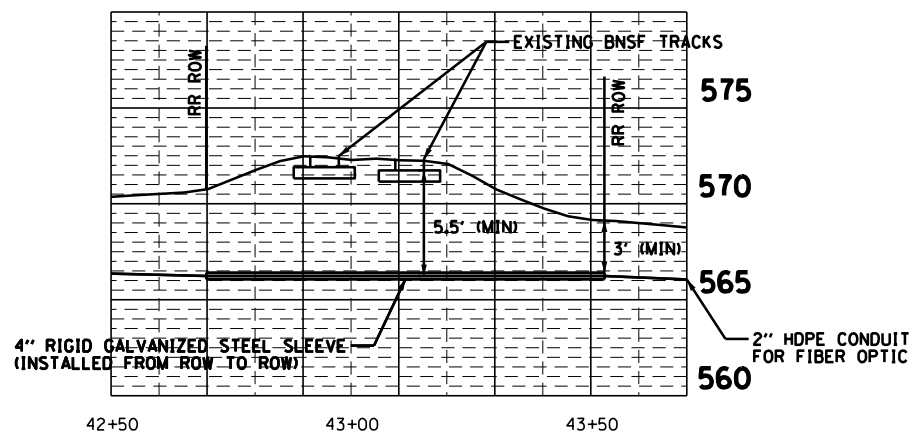
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**RAILROAD CROSSING – ELECTRIC EAST SIDE**



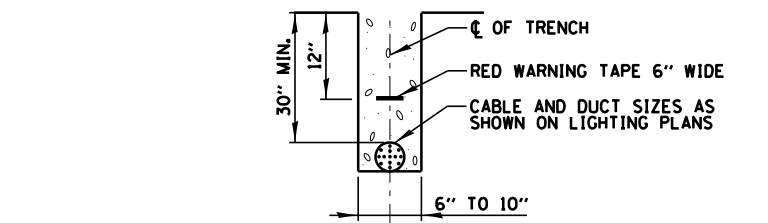
**RAILROAD CROSSING – ELECTRIC WEST SIDE**



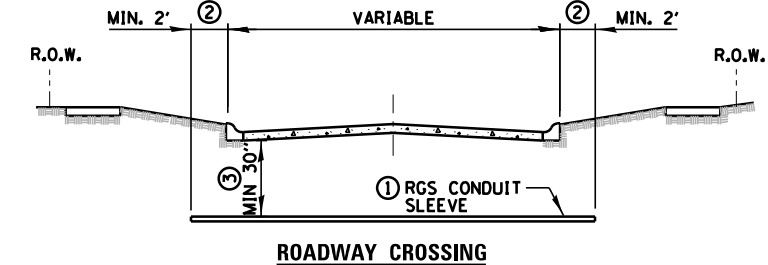
**RAILROAD CROSSING – FIBER WEST SIDE**

**LUMINAIRE AND POLE SCHEDULE**

LIGHT POLE IDENTIFIER	POLE TYPE	LUMINAIRE		RECEPTACLE		LOCATION	
		WATTAGE	CKT ID	WATTAGE	CKT ID	STATION	OFFSET
P1	4A	171W	A	124W	I	41+54L	19.0' F. O. C.
P2	4A	171W	B	124W	J	42+47L	23.0' F. O. C.
P3	4B	(2) 171W	A	124W	I	43+92L	23.0' F. O. C.
P4	4A	171W	C	124W	K	45+07L	11.0' F. O. C.
P5	4A	171W	D	124W	L	46+37L	6.0' F. O. C.
P6	4A	171W	C	124W	K	46+86L	8.0' F. O. C.
P7	4A	171W	D	124W	L	48+07L	4.0' F. O. C.
P8	4A	171W	C	124W	K	49+57L	4.0' F. O. C.
P9	4A	171W	D	124W	L	50+70L	12.0' F. O. C.
P10	4A	171W	C	124W	K	51+27L	10.5' F. O. C.
P11	4A	171W	D	124W	L	52+92L	4.0' F. O. C.
P12	4A	171W	C	124W	K	54+76L	7.0' F. O. C.
P13	4A	171W	D	124W	L	55+37L	11.0' F. O. C.
P14	4A	171W	C	124W	K	56+32L	4.0' F. O. C.
P15	4A	171W	D	124W	L	57+97L	4.0' F. O. C.
P16	4A	171W	C	124W	K	59+55L	4.0' F. O. C.
P17	4A	171W	D	124W	L	61+35L	14.0' F. O. C.
P18	4A	171W	C	124W	K	61+90L	9.0' F. O. C.
P19	4A	171W	D	124W	L	63+17L	12.0' F. O. C.
P20	4A	171W	C	124W	K	64+57L	10.5' F. O. C.
P21	4A	171W	D	124W	L	66+32L	21.0' F. O. C.
P22	4A	171W	E	124W	M	40+91R	18.0' F. O. C.
P23	4A	171W	F	124W	N	41+47R	7.0' F. O. C.
P24	4B	(2) 171W	E	124W	M	42+92R	21.0' F. O. C.
P25	4A	171W	F	124W	N	44+22R	20.0' F. O. C.
P26	4A	171W	G	124W	O	46+32R	27.0' F. O. C.
P27	4A	171W	H	124W	P	48+07R	4.0' F. O. C.
P28	4A	171W	G	124W	O	49+57R	4.0' F. O. C.
P29	4A	171W	H	124W	P	50+56R	27.0' F. O. C.
P30	4A	171W	G	124W	O	51+15R	9.0' F. O. C.
P31	4A	171W	H	124W	P	52+92R	3.0' F. O. C.
P32	4A	171W	G	124W	O	54+55R	26.0' F. O. C.
P33	4A	171W	H	124W	P	54+74R	9.0' F. O. C.
P34	4A	171W	G	124W	O	56+32R	3.0' F. O. C.
P35	4A	171W	H	124W	P	57+97R	3.0' F. O. C.
P36	4A	171W	G	124W	O	59+08R	20.0' F. O. C.
P37	4A	171W	H	124W	P	59+50R	6.0' F. O. C.
P38	4A	171W	G	124W	O	61+37R	4.0' F. O. C.
P39	4A	171W	H	124W	P	62+87R	16.0' F. O. C.
P40	4A	171W	G	124W	O	63+28R	5.5' F. O. C.
P41	4A	171W	H	124W	P	64+64R	17.5' F. O. C.
P42	4A	171W	G	124W	O	66+32R	9.0' F. O. C.



**TRENCH CROSS SECTION**

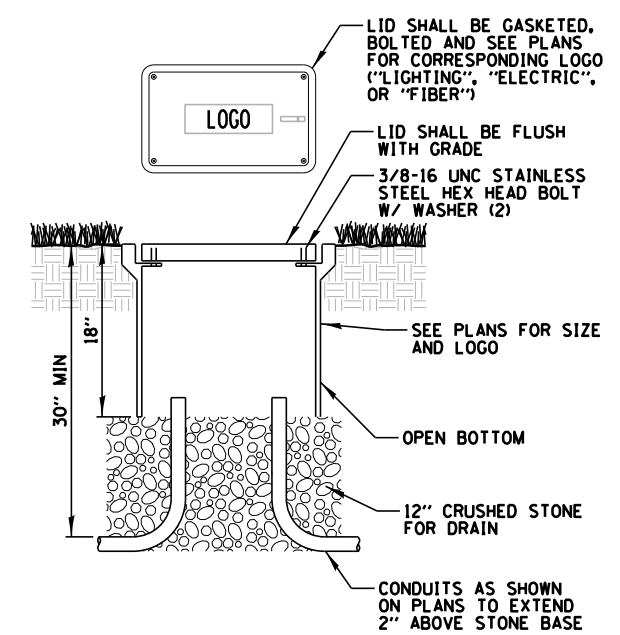


**ROADWAY CROSSING**

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

**ELECTRIC CONDUIT INSTALLATION**

N.T.S.



NOTES:






1. NO SPLICING ALLOWED IN HANDHOLES UNLESS OTHERWISE SHOWN.
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.
4. HANDHOLES ARE PAID FOR AS SHOWN BELOW (SEE SPECIAL PROVISIONS)  
 11"x17"x18" DEEP - "HANDHOLE (SPECIAL)"  
 13"x24"x24" DEEP - "HANDHOLE, COMPOSITE CONCRETE (SPECIAL)"  
 24"x24"x24" DEEP - "HEAVY-DUTY HANDHOLE (SPECIAL)"

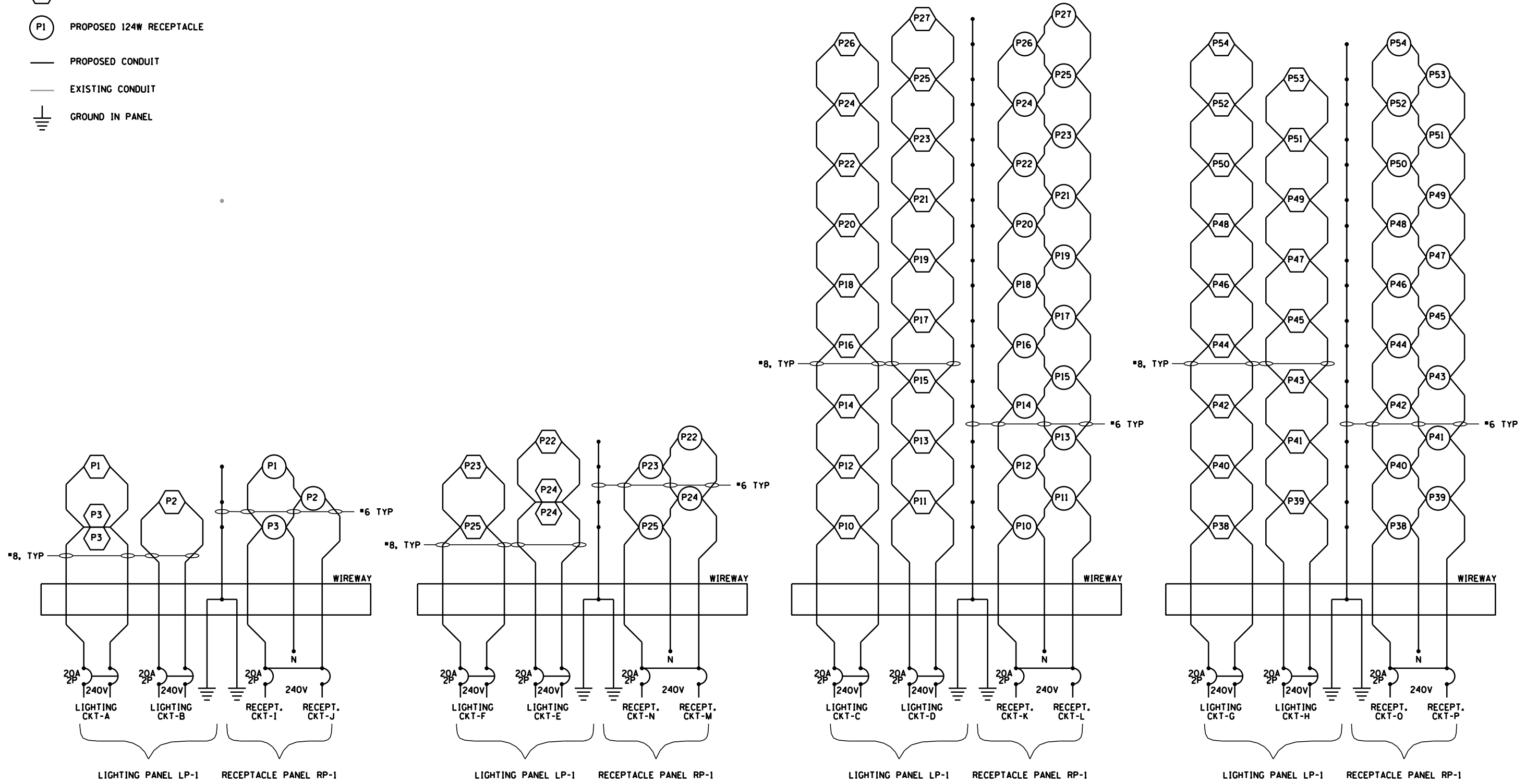
**COMPOSITE CONCRETE HANDHOLE**

N.T.S.



**LEGEND**

-  PROPOSED 171W LED LUMINAIRE
-  PROPOSED 124W RECEPTACLE
-  PROPOSED CONDUIT
-  EXISTING CONDUIT
-  GROUND IN PANEL



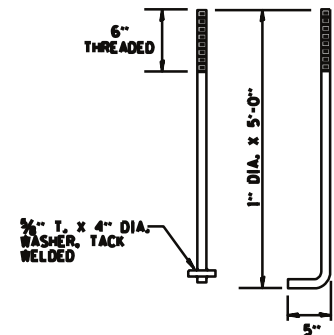
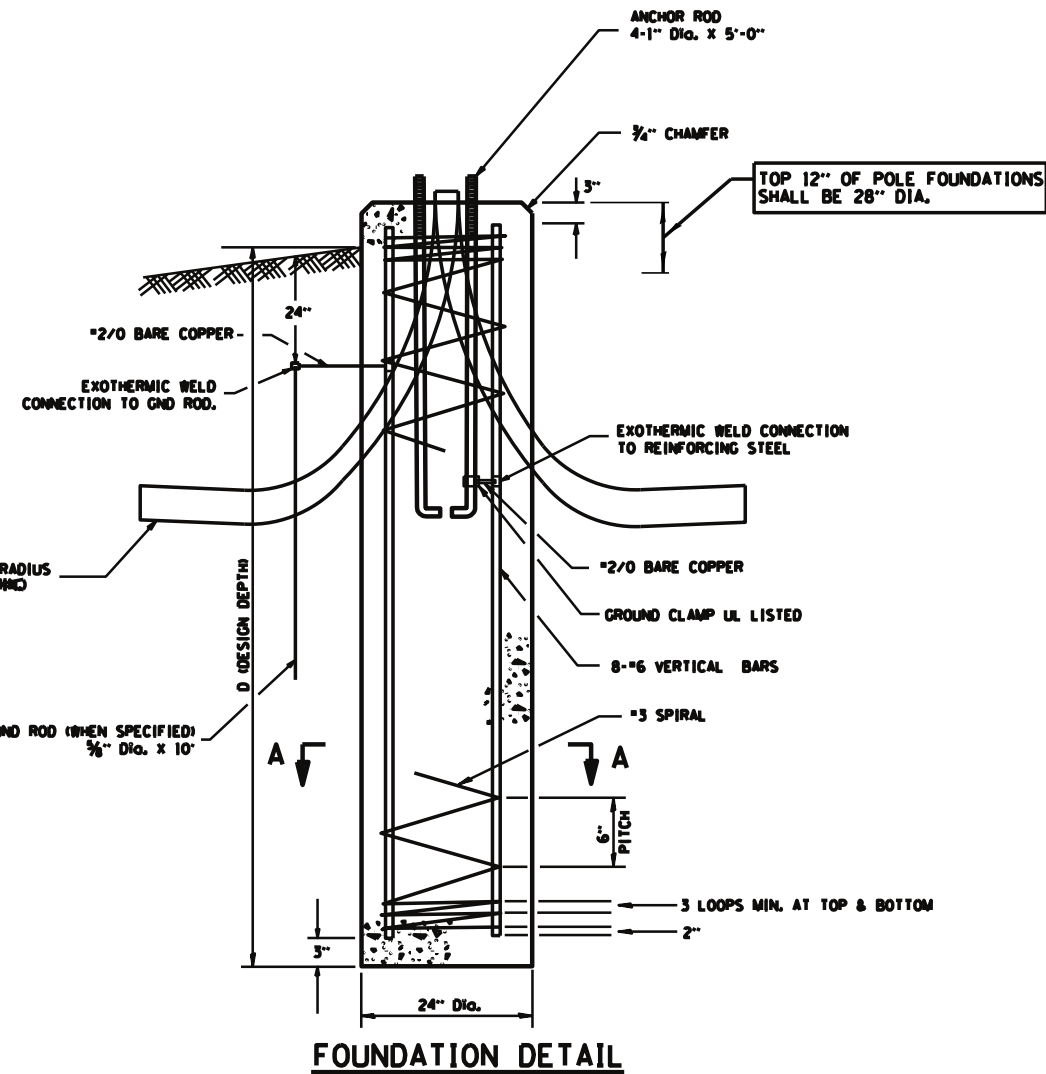
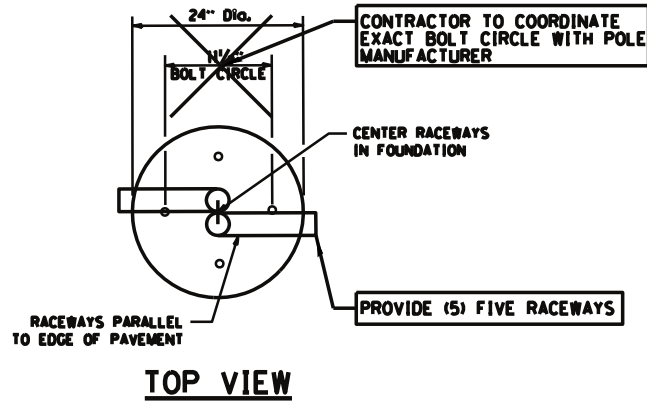
**LIGHTING ONE-LINE DIAGRAM**  
N.T.S.

	9575 W. Higgins Road, Suite 600 Rosemont, Illinois 60018 (847) 823-0500	USER NAME = rhowellindgren DESIGNED AJD DRAWN RJJ CHECKED AJD DATE -	REVISED - REVISED - REVISED - REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>BROADWAY STREET</b> <b>LIGHTING DETAILS (4 OF 6)</b>	F.A.S. RTÉ. 288	SECTION 14-00030-00-WR	COUNTY GRUNDY	TOTAL SHEETS 95	SHEET NO. 70
	SCALE: 40' SHEET OF SHEETS STA. TO STA.						CONTRACT NO. 87710 ILLINOIS FED. AID PROJECT			

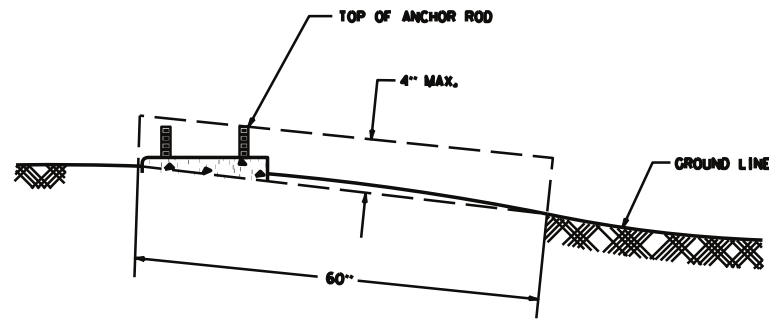
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**LIGHT POLE FOUNDATION DEPTH TABLE**  
30 FT. (9.144 m) TO 35 FT. MOUNTING HEIGHT

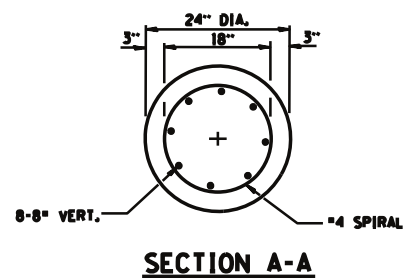
SOIL CONDITIONS	DESIGN DEPTH "D" OF FOUNDATION	
	SINGLE ARM POLE	TWIN ARM POLE
SOFT CLAY O <sub>u</sub> = 0.375 TON/SO. FT.	11'-0"	12'-8"
MEDIUM CLAY O <sub>u</sub> = 0.75 TON/SO. FT.	9'-0"	14'-10"
STIFF CLAY O <sub>u</sub> = 1.50 TON/SO. FT.	7'-6"	8'-7"
LOOSE SAND θ = 34°	9'-6"	10'-7"
MEDIUM SAND θ = 37.5°	9'-0"	9'-10"
DENSE SAND θ = 40°	8'-3"	9'-7"



**ANCHOR BOLT DETAIL**



**FOUNDATION EXTENSION DETAIL**



**SECTION A-A**

**NOTES**

1. THE ANCHOR RODS AND RACEWAYS SHALL BE PROPERLY SECURED IN PLACE BEFORE THE CONCRETE IS PLACED.
2. THE FOUNDATION SHALL NOT PROTRUDE MORE THAN 4 IN. (100 mm) ABOVE THE FINISHED GRADE WITHIN A 60 IN. (1.5 m) CHORD ACROSS THE FOUNDATION WITH ANCHOR RODS INCLUDED, IN ACCORDANCE WITH AASHTO GUIDELINES. IF THE FOUNDATION HEIGHT, INCLUDING ANCHOR RODS, EXTENDS BEYOND THESE SPECIFIED LIMITS, THE FOUNDATION SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE. SEE FOUNDATION EXTENSION DETAIL.
3. THE HOLE FOR THE FOUNDATION SHALL BE MADE BY DRILLING WITH AN AUGER, OF THE SAME DIAMETER AS THE FOUNDATION. IF SOIL CONDITIONS REQUIRE THE USE OF A LINER TO FORM THE HOLE, THE LINER SHALL BE WITHDRAWN AS THE CONCRETE IS DEPOSITED.
4. THE TOP OF THE FOUNDATION SHALL BE CONSTRUCTED LEVEL. A LINER OR FORM SHALL BE USED TO PRODUCE A UNIFORM SMOOTH SIDE TO THE TOP OF THE FOUNDATION. FOUNDATION TOP SHALL BE CHAMFERED 3/4 -IN. (20 mm).
5. THE CONCRETE SHALL BE CLASS SI. CONCRETE SHALL CURE ACCORDING TO ARTICLE 1020.13 BEFORE LIGHT POLES ARE INSTALLED.
6. THE ANCHOR ROD SHALL BE A HOOK ROD TYPE. COLD BENDING OF THE ANCHOR ROD WILL NOT BE ALLOWED. THE RADIUS OF THE HOOK BEND SHALL NOT BE LESS THAN 4 TIMES THE NOMINAL DIAMETER OF THE ANCHOR ROD. A TACK WELDED ANCHOR ROD MAY BE SUBSTITUTED WITH THE APPROVAL OF THE ENGINEER.
7. THE ANCHOR RODS SHALL BE ACCORDING TO ASTM F1554 GRADE 725 (GRADE 105). NUTS SHALL BE HEXAGON NUTS ACCORDING TO ASTM A 194 2H OR ASTM A 563 DA, AND WASHERS SHALL BE ACCORDING TO ASTM F 436.
8. ANCHOR RODS, NUTS AND WASHERS SHALL BE COMPLETELY GALVANIZED BY EITHER THE HOT-DIPPED PROCESS CONFORMING WITH AASHTO M 232, THE MECHANICAL PLATING METHOD CONFORMING TO AASHTO M 298, CLASS 50 WITH A MAXIMUM COATING THICKNESS OF 150 (4.06 MILS) OR THE ELECTROLYTIC PROCESS ACCORDING TO ASTM F 1136.
9. THE ANCHOR RODS SHALL BE THREADED A MINIMUM OF 6 INCHES (150 mm) WITH A MINIMUM OF 3 INCHES (75 mm) OF THREADED ANCHOR ROD EMBEDDED IN THE FOUNDATION.
10. ANCHOR RODS SHALL PROJECT 2 3/4" (69.9 mm) ABOVE THE TOP OF THE FOUNDATION. IF BREAKAWAY COUPLINGS ARE SPECIFIED, THE CONTRACTOR SHALL CAREFULLY COORDINATE THE ANCHOR ROD PROJECTION WITH THE INSTALLATION REQUIREMENTS OF THE BREAKAWAY COUPLINGS.
11. THE CONTRACTOR SHALL USE A #3 SPIRAL AT 6" (152.4 mm) PITCH OR MAY SUBSTITUTE #3 TIES AT 12" (304.8 mm) O.C. WITH THE APPROVAL OF THE ENGINEER.
12. THE CABLE TRENCHES AND FOUNDATION SHALL BE BACK FILLED AND COMPACTED AS SPECIFIED BEFORE THE LIGHT POLE IS ERECTED.
13. THE RACEWAYS SHALL PROJECT 1" (25.4 mm) ABOVE THE TOP OF THE FOUNDATION.

PAID FOR UNDER "LIGHT POLE FOUNDATION, 24" DIAMETER"

IDOT BE-300 STANDARD MODIFIED AS NOTED FOR THIS PROJECT.

FOUNDATION DESIGN TABLE

TYPE OF SOIL	DESIGN DEPTH OF FOUNDATION		REINFORCEMENT IN FOUNDATION			
	SINGLE ARM D	TWIN ARM D	SINGLE ARM		TWIN ARM	
			VERT BARS	SPIRAL	VERT BARS	SPIRAL
SOFT CLAY	13'-0" (3.962 m)	15'-0" (4.572 m)	8-#6X12'-6" (3.810 m)	#3X122' (37.186 m)	8-#6X14'-3" (4.343 m)	#3X141' (42.977 m)
MEDIUM CLAY	9'-6" (2.896 m)	10'-9" (3.277 m)	8-#6X9'-0" (2.743 m)	#3X90' (27.432 m)	8-#6X10'-0" (3.048 m)	#3X100' (30.480 m)
STIFF CLAY	7'-0" (2.134 m)	8'-0" (2.438 m)	8-#6X6'-6" (1.981 m)	#3X66' (20.112 m)	8-#6X7'-6" (2.286 m)	#3X76' (23.165 m)
LOOSE SAND	9'-0" (2.743 m)	10'-0" (3.048 m)	8-#6X8'-6" (2.591 m)	#3X85' (25.908 m)	8-#6X9'-6" (2.896 m)	#3X94' (28.651 m)
MEDIUM SAND	8'-3" (2.515 m)	9'-0" (2.743 m)	8-#6X8'-0" (2.438 m)	#3X78' (23.774 m)	8-#6X8'-6" (2.591 m)	#3X85' (25.908 m)
DENSE SAND	7'-9" (2.362 m)	9'-0" (2.743 m)	8-#6X7'-6" (2.286 m)	#3X73' (22.250 m)	8-#6X8'-6" (2.591 m)	#3X85' (25.908 m)
ROCK OR SOLIDIFIED SLAG	5'-0" (1.524 m)	5'-0" (1.524 m)	NONE	NONE	NONE	NONE

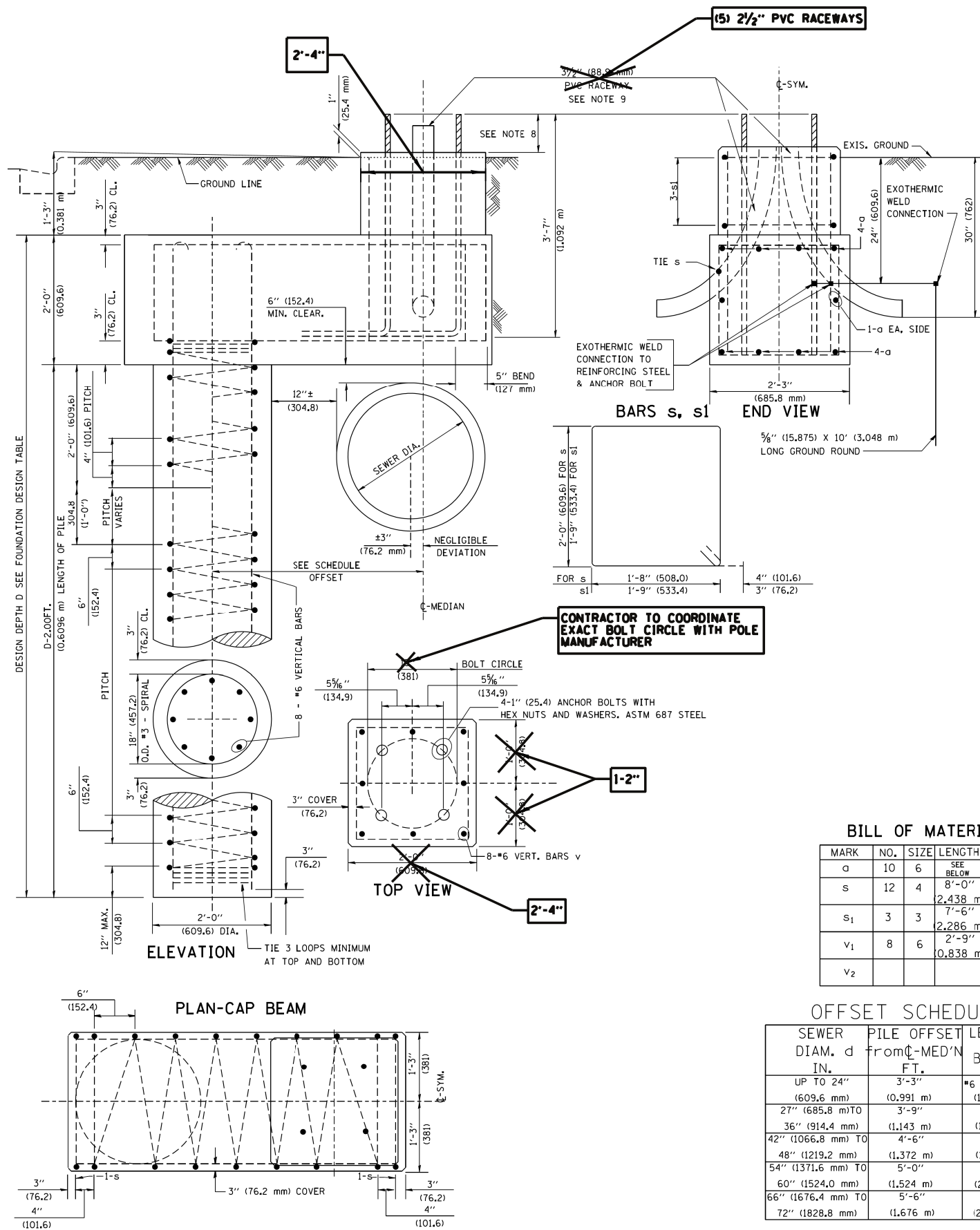
PAID FOR UNDER "LIGHT POLE FOUNDATION, 24" DIAMETER, OFFSET"

THE CONTRACTOR SHALL USE A STANDARD FOUNDATION WHEREVER POSSIBLE. WHEN UTILITY CONFLICT PROHIBITS USE OF STANDARD FOUNDATION THE CONTRACTOR MAY USE AN OFFSET FOUNDATION AT THE DIRECTION OF THE ENGINEER.

NOTES

- ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.
- THE ENGINEER SHALL DETERMINE THE CLASS OF SOIL DURING EXCAVATION AND SELECT THE DESIGN DEPTH OF FOUNDATION FROM THE DESIGN TABLE.
- EXCAVATION OF THE POLE FOUNDATION SHALL BE MADE WITH AN AUGER, 24" (609.6 mm) OR 30" (762.0 mm) IN DIAMETER.
- THE ANCHOR ROD SHALL BE A HOOK ROD TYPE. COLD BENDING OF THE ANCHOR ROD WILL NOT BE ALLOWED. THE RADIUS OF THE HOOK BEND SHALL NOT BE LESS THAN 4 TIMES THE NOMINAL DIAMETER OF THE ANCHOR ROD. A TACK WELDED ANCHOR ROD MAY BE SUBSTITUTED WITH THE APPROVAL OF THE ENGINEER.
- THE ANCHOR BOLTS AND RACEWAYS SHALL BE PROPERLY SECURED IN PLACE BEFORE THE CONCRETE IS PLACED IN THE FORM.
- THE ANCHOR RODS SHALL BE ACCORDING TO ASTM F1554 GRADE 725 (GRADE 105). NUTS SHALL BE HEXAGON NUTS ACCORDING TO ASTM A 194 2H OR ASTM A 563 DH, AND WASHERS SHALL BE ACCORDING TO ASTM F 436.
- THE CONTRACTOR SHALL COORDINATE EXTENSION OF ANCHOR BOLTS ABOVE TOP OF FOUNDATION WITH THE BREAKAWAY DEVICE MANUFACTURER'S REQUIREMENTS. IF LIGHT POLE IS MOUNTED WITHOUT BREAKAWAY DEVICE, ANCHOR BOLTS SHALL PROJECT 2 3/4" (69.9 mm) ABOVE TOP OF THE FOUNDATION. THE CONTRACTOR SHALL CONFIRM ANCHOR BOLT EXTENTION WITH ENGINEER.
- RACEWAYS SHALL PROJECT 1" (25.4 mm) ABOVE THE TOP OF THE FOUNDATION.
- THE CABLE TRENCH SHALL BE BACKFILLED AND FIRMLY COMPACTED BEFORE THE LIGHT IS ERRECTED.

IDOT BE-310 STANDARD MODIFIED AS NOTED FOR THIS PROJECT

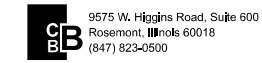


BILL OF MATERIAL

MARK	NO.	SIZE	LENGTH	SHAPE
a	10	6	SEE BELOW	—
s	12	4	8'-0" (2,438 m)	□
s <sub>1</sub>	3	3	7'-6" (2,286 m)	□
v <sub>1</sub>	8	6	2'-9" (0,838 m)	—
v <sub>2</sub>				

OFFSET SCHEDULE

SEWER DIAM. d IN.	PILE OFFSET from C-MED'N FT.	LENGTH of BAR a FT.
UP TO 24" (609.6 mm)	3'-3" (0,991 m)	#6 x 5'-3" (1,600 m)
27" (685.8 mm) TO	3'-9" (1,143 m)	5'-9" (1,753 m)
36" (914.4 mm)	(1,143 m)	(1,753 m)
42" (1066.8 mm) TO	4'-6" (1,372 m)	6'-6" (1,981 m)
48" (1219.2 mm)	(1,372 m)	(1,981 m)
54" (1371.6 mm) TO	5'-0" (1,524 m)	7'-0" (2,134 m)
60" (1524.0 mm)	(1,524 m)	(2,134 m)
66" (1676.4 mm) TO	5'-6" (1,676 m)	7'-6" (2,286 m)
72" (1828.8 mm)	(1,676 m)	(2,286 m)



USER NAME = rhowellindgren	DESIGNED AJD	REVISED -
PLOT SCALE = 48"	DRAWN RJJ	REVISED -
PLOT DATE = 11/13/2018	CHECKED AJD	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

BROADWAY STREET  
LIGHTING DETAILS (6 OF 6)

SCALE: 40' SHEET OF SHEETS STA. TO STA.

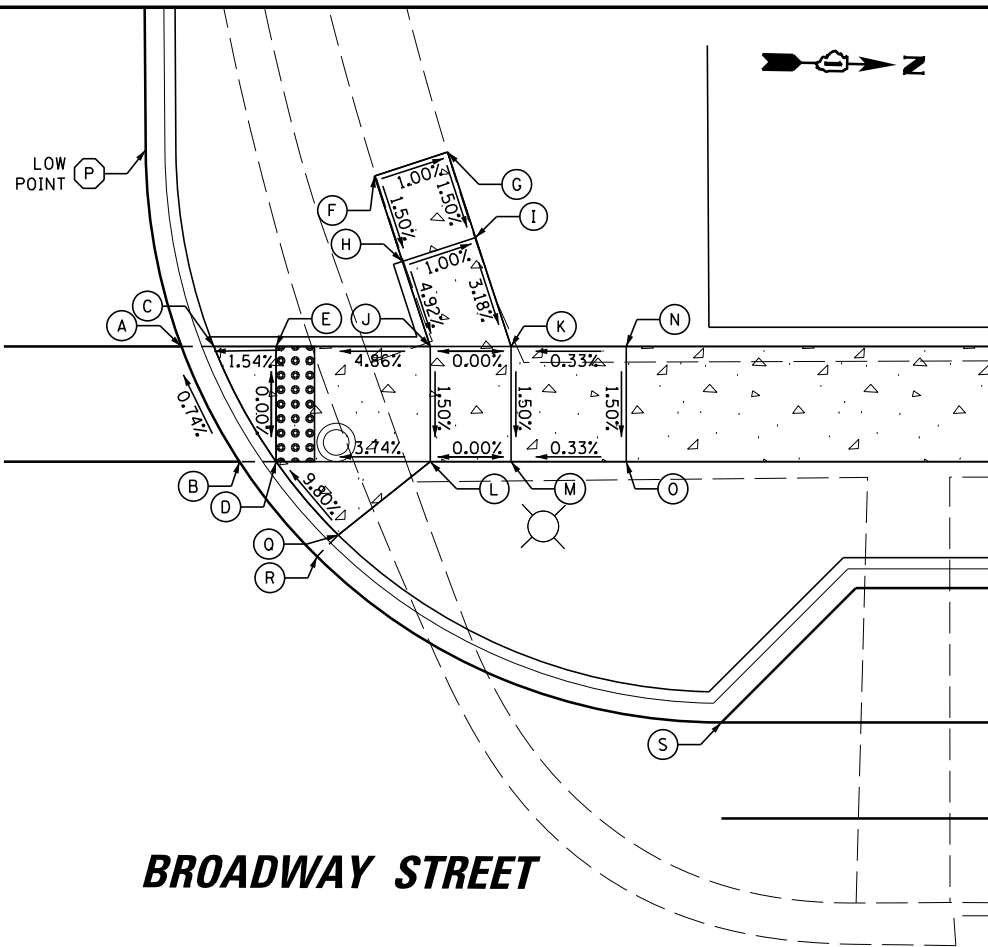
F.A.S. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
288	14-00030-00-WR	GRUNDY	95	72
CONTRACT NO. 87710				
ILLINOIS FED. AID PROJECT				







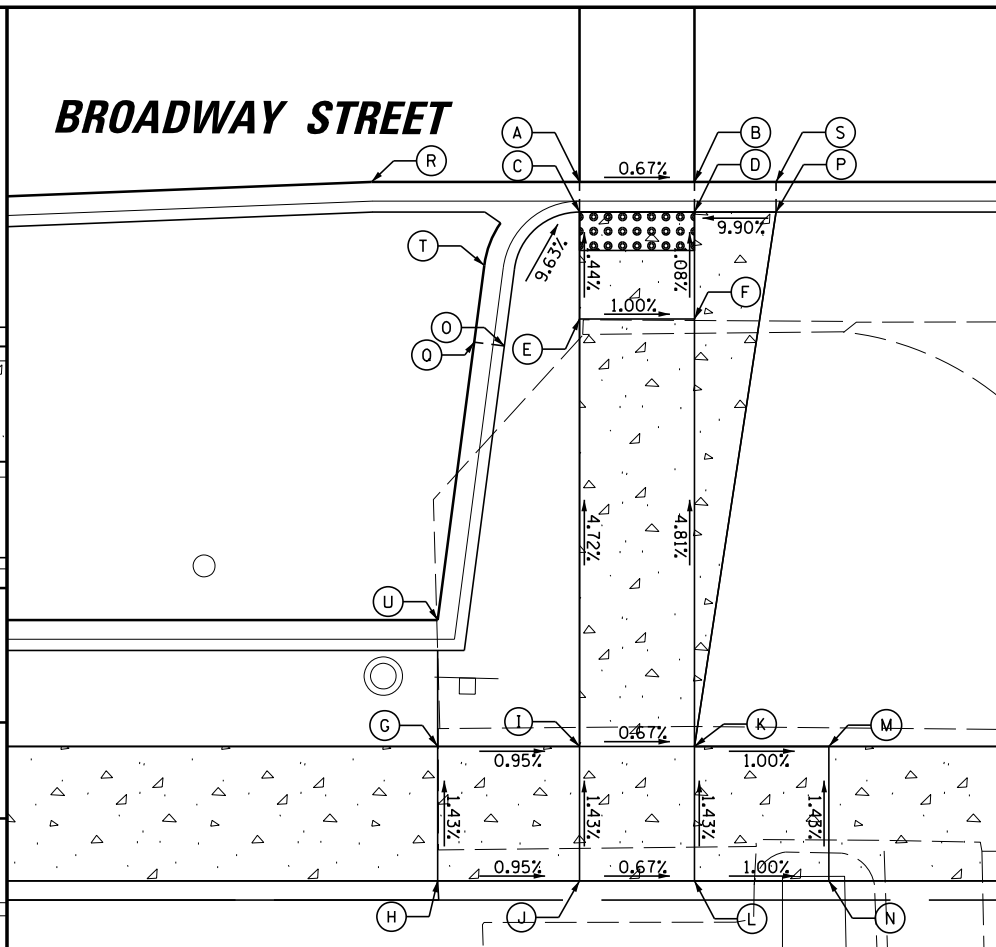
CENTER STREET



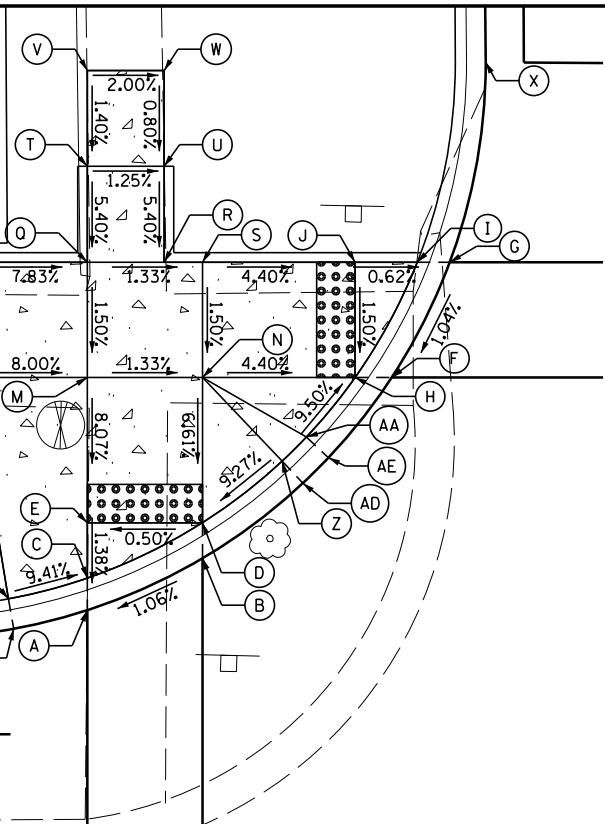
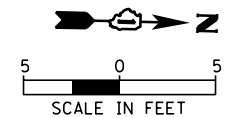
NW CENTER STREET			
POINT	STA	OFFSET	ELEV
A	46+70.48	40.58' LT	566.27
B	46+73.50	34.58' LT	566.32
C	46+72.17	40.58' LT	566.27
D	46+75.41	34.58' LT	566.32
E	46+75.41	40.58' LT	566.32
F	46+80.54	49.47' LT	567.01
G	46+84.34	50.71' LT	566.97
H	46+81.99	45.02' LT	566.94
I	46+85.79	46.26' LT	566.90
J	46+83.44	40.58' LT	566.71
K	46+87.64	40.58' LT	566.71
L	46+83.44	34.58' LT	566.62
M	46+87.64	34.58' LT	566.62
N	46+93.64	40.58' LT	566.73
O	46+93.64	34.58' LT	566.64
P	46+68.61	50.82' LT	566.20
Q	46+78.65	30.77' LT	566.81
R	46+77.54	29.64' LT	566.37
S	46+98.61	21.00' LT	566.53

BROADWAY STREET

BROADWAY STREET



E CENTER STREET			
POINT	STA	OFFSET	ELEV
A	46+32.77	20.16' RT	566.84
B	46+38.77	20.40' RT	566.80
C	46+32.71	21.74' RT	566.84
D	46+38.71	21.98' RT	566.80
E	46+32.49	27.30' RT	566.92
F	46+38.48	27.54' RT	566.86
G	46+24.22	49.26' RT	568.04
H	46+23.94	56.25' RT	568.14
I	46+31.60	49.55' RT	567.97
J	46+31.32	56.55' RT	568.07
K	46+37.59	49.79' RT	567.93
L	46+37.31	56.79' RT	568.03
M	46+44.59	50.07' RT	567.86
N	46+44.31	57.07' RT	567.96
O	46+28.52	28.55' RT	567.61
P	46+42.95	22.15' RT	567.22
Q	46+26.96	28.29' RT	567.17
R	46+21.96	19.73' RT	566.89
S	46+43.02	20.57' RT	566.78
T	46+27.65	24.31' RT	567.05
U	46+24.48	42.68' RT	567.60



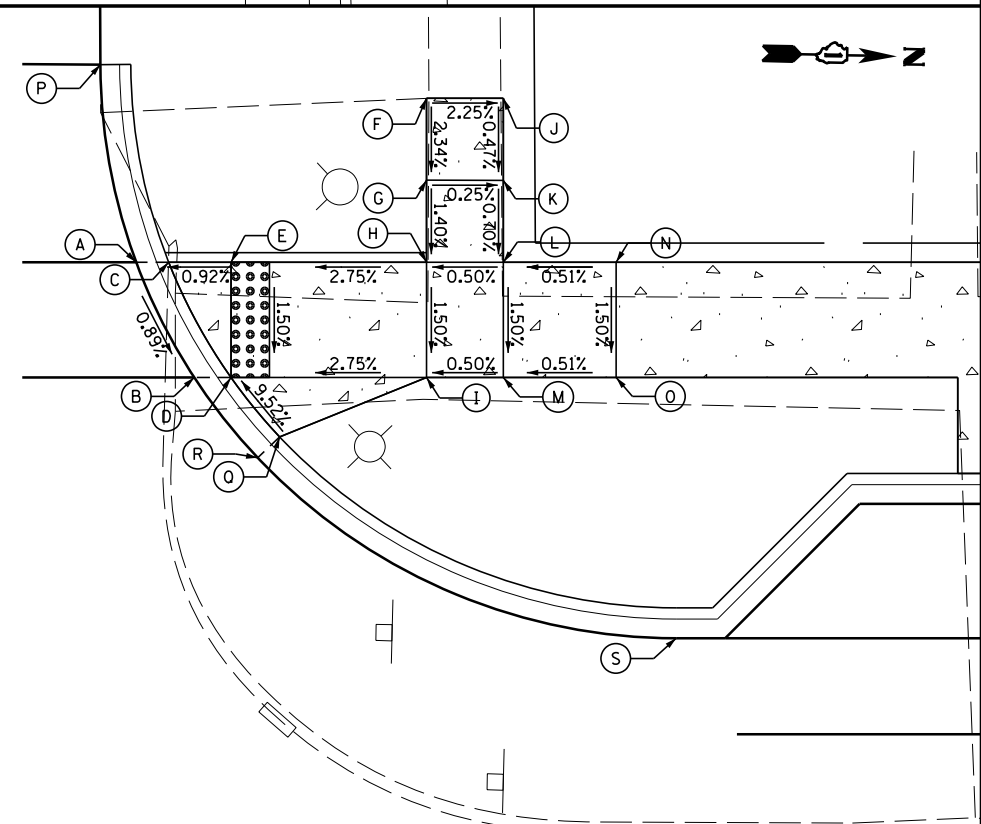
W WILLOW STREET

SW WILLOW STREET			
POINT	STA	OFFSET	ELEV
A	50+64.13	22.46' LT	564.74
B	50+70.13	25.16' LT	564.81
C	50+64.13	24.13' LT	564.74
D	50+70.13	27.02' LT	564.81
E	50+64.13	27.02' LT	564.78
F	50+79.99	34.58' LT	564.96
G	50+83.01	40.58' LT	565.03
H	50+78.08	34.58' LT	564.96
I	50+81.32	40.58' LT	565.03
J	50+78.08	40.58' LT	565.05
K	50+52.13	34.58' LT	565.95
L	50+58.13	34.58' LT	565.87
M	50+64.13	34.58' LT	565.39
N	50+70.13	34.58' LT	565.31
O	50+52.13	40.58' LT	566.04
P	50+58.13	40.58' LT	565.96
Q	50+64.13	40.58' LT	565.48
R	50+68.13	40.58' LT	565.43
S	50+70.13	40.58' LT	565.40
T	50+64.13	45.58' LT	565.75
U	50+68.13	45.58' LT	565.70
V	50+64.13	50.58' LT	565.82
W	50+68.13	50.58' LT	565.74
X	50+84.88	51.01' LT	565.15
Y	50+60.02	23.05' LT	565.14
Z	50+74.28	30.23' LT	565.32
AA	50+75.54	31.49' LT	565.34
AB	50+54.88	21.00' LT	564.64
AC	50+60.30	21.49' LT	564.70
AD	50+75.36	29.08' LT	564.88
AE	50+76.69	30.40' LT	564.90

BROADWAY STREET

NW WILLOW STREET			
POINT	STA	OFFSET	ELEV
A	51+05.17	40.58' LT	564.99
B	51+08.20	34.58' LT	564.93
C	51+06.86	40.58' LT	564.99
D	51+10.11	34.58' LT	564.93
E	51+10.11	40.58' LT	565.02
F	51+20.29	49.13' LT	565.46
G	51+20.29	44.86' LT	565.36
H	51+20.29	40.58' LT	565.30
I	51+20.29	34.58' LT	565.21
J	51+24.29	49.13' LT	565.37
K	51+24.29	44.85' LT	565.35
L	51+24.29	40.58' LT	565.32
M	51+24.29	34.58' LT	565.23
N	51+30.17	40.58' LT	565.35
O	51+30.17	34.58' LT	565.26
P	51+03.30	50.88' LT	565.10
Q	51+12.64	31.49' LT	565.31
R	51+11.49	30.40' LT	564.87
S	51+33.30	21.00' LT	564.63

W WILLOW STREET



BROADWAY STREET

**CB** 9575 W. Higgins Road, Suite 600  
Rosemont, Illinois 60018  
(847) 823-0500

USER NAME = rhowellindgren  
PLOT SCALE = 1/8"  
PLOT DATE = 11/13/2018

DESIGNED - MBT  
DRAWN - MBT  
CHECKED - SNS  
DATE -

REVISED -  
REVISED -  
REVISED -  
REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

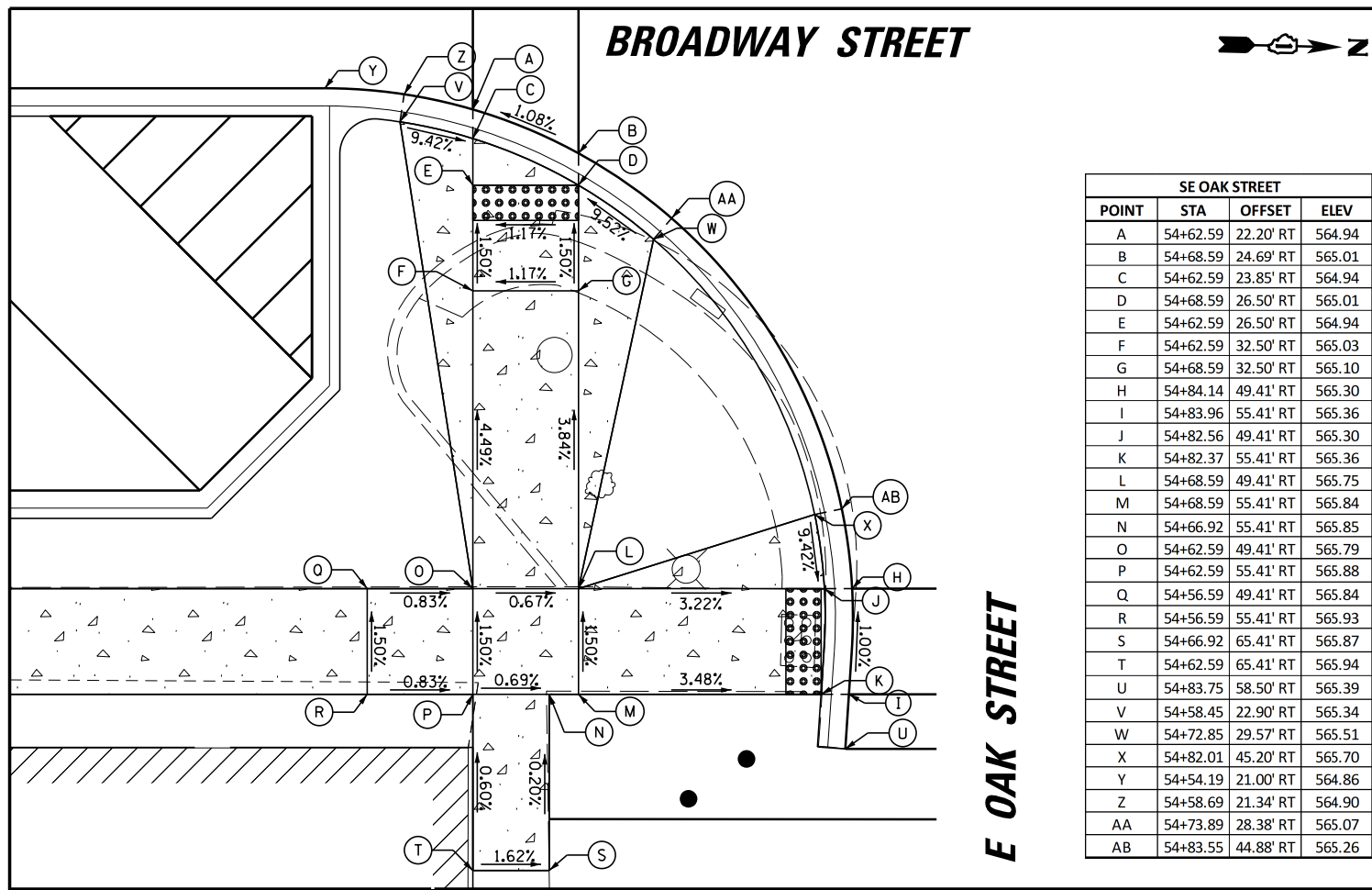
BROADWAY STREET  
SIDEWALK RAMP DETAILS

SCALE: 6/32" SHEET 3 OF 7 SHEETS STA. TO STA.

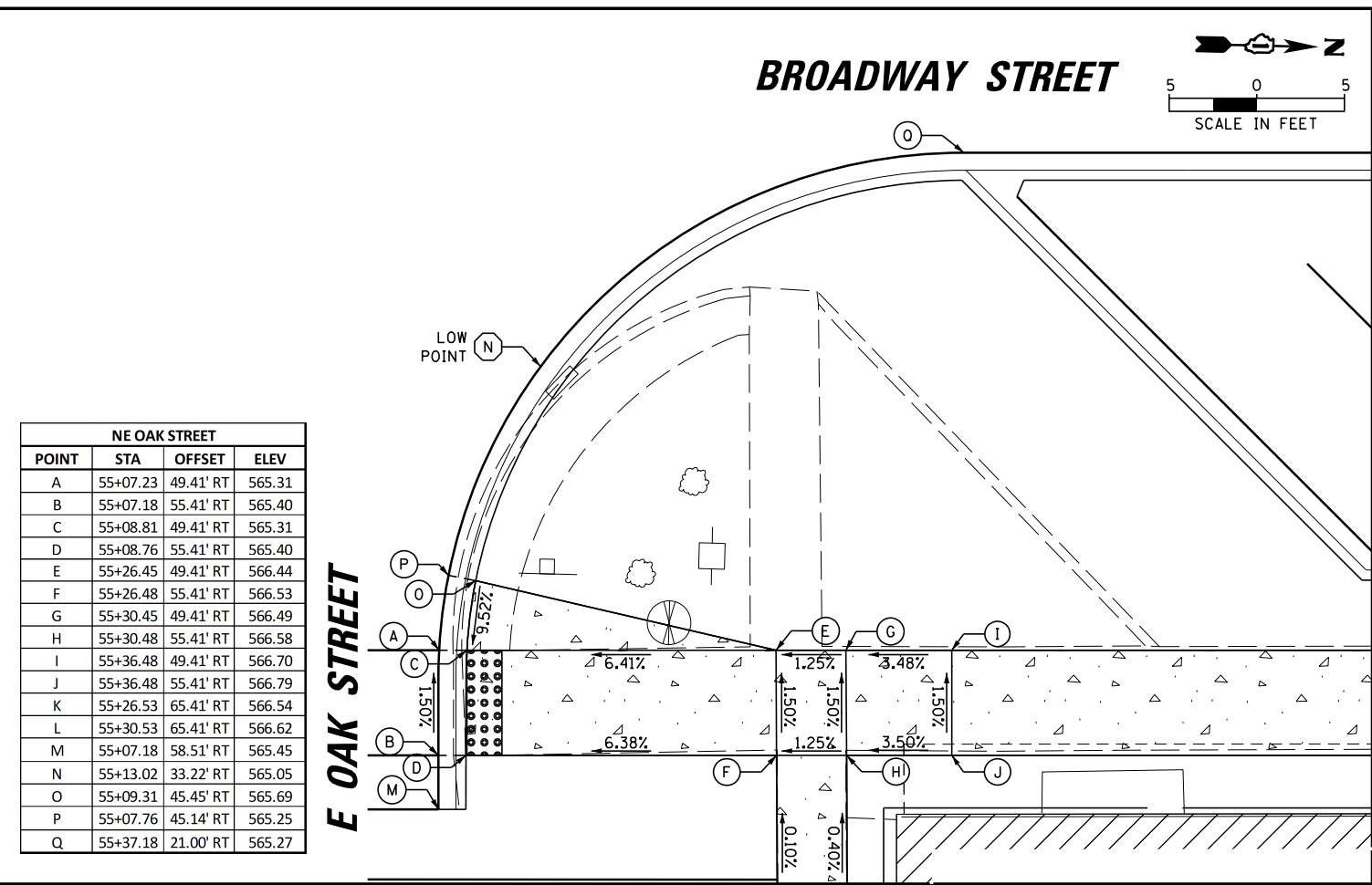
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
288	14-00030-00-WR	GRUNDY	95	75
				CONTRACT NO. 87710
ILLINOIS FED. AID PROJECT				



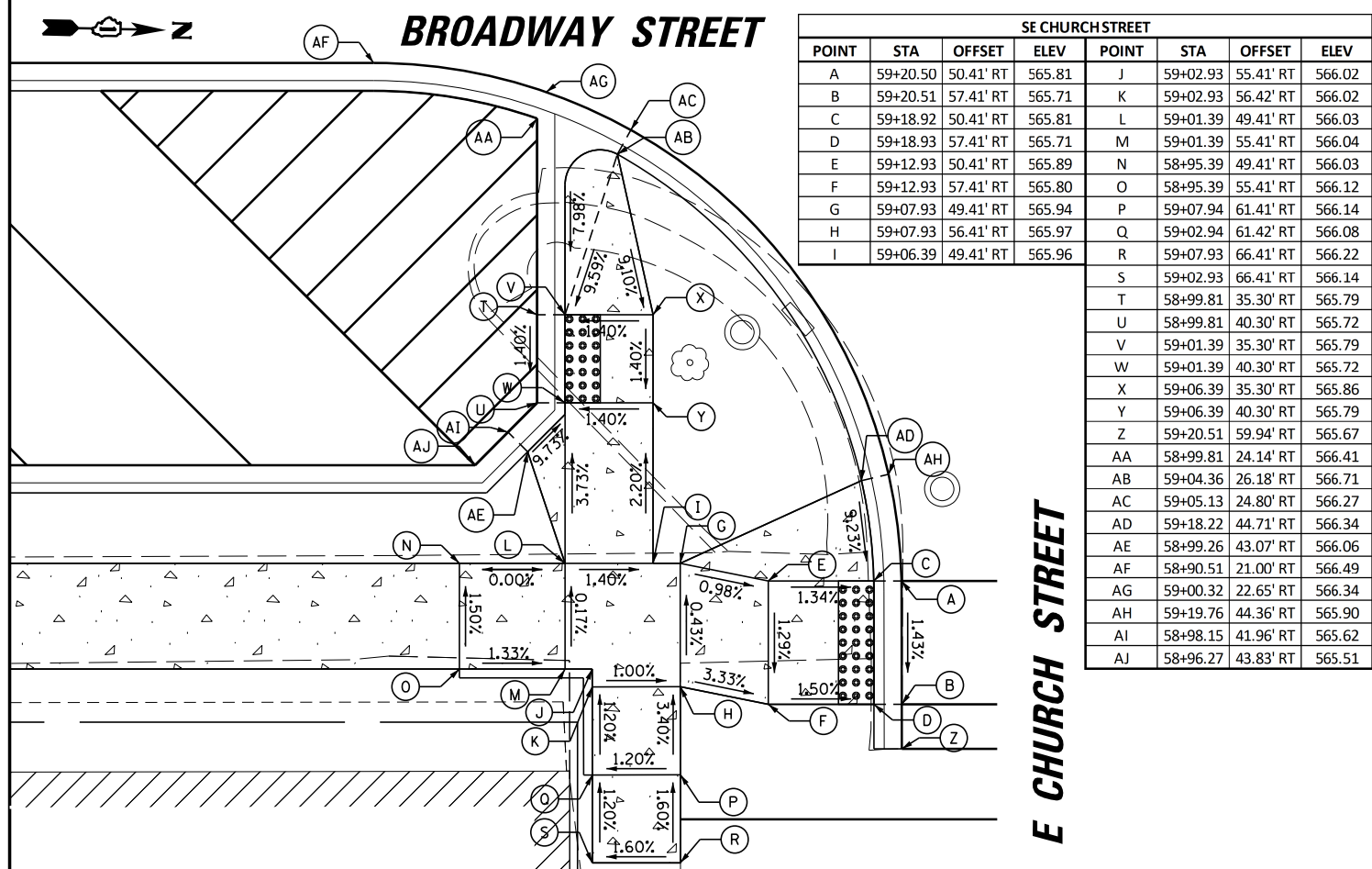




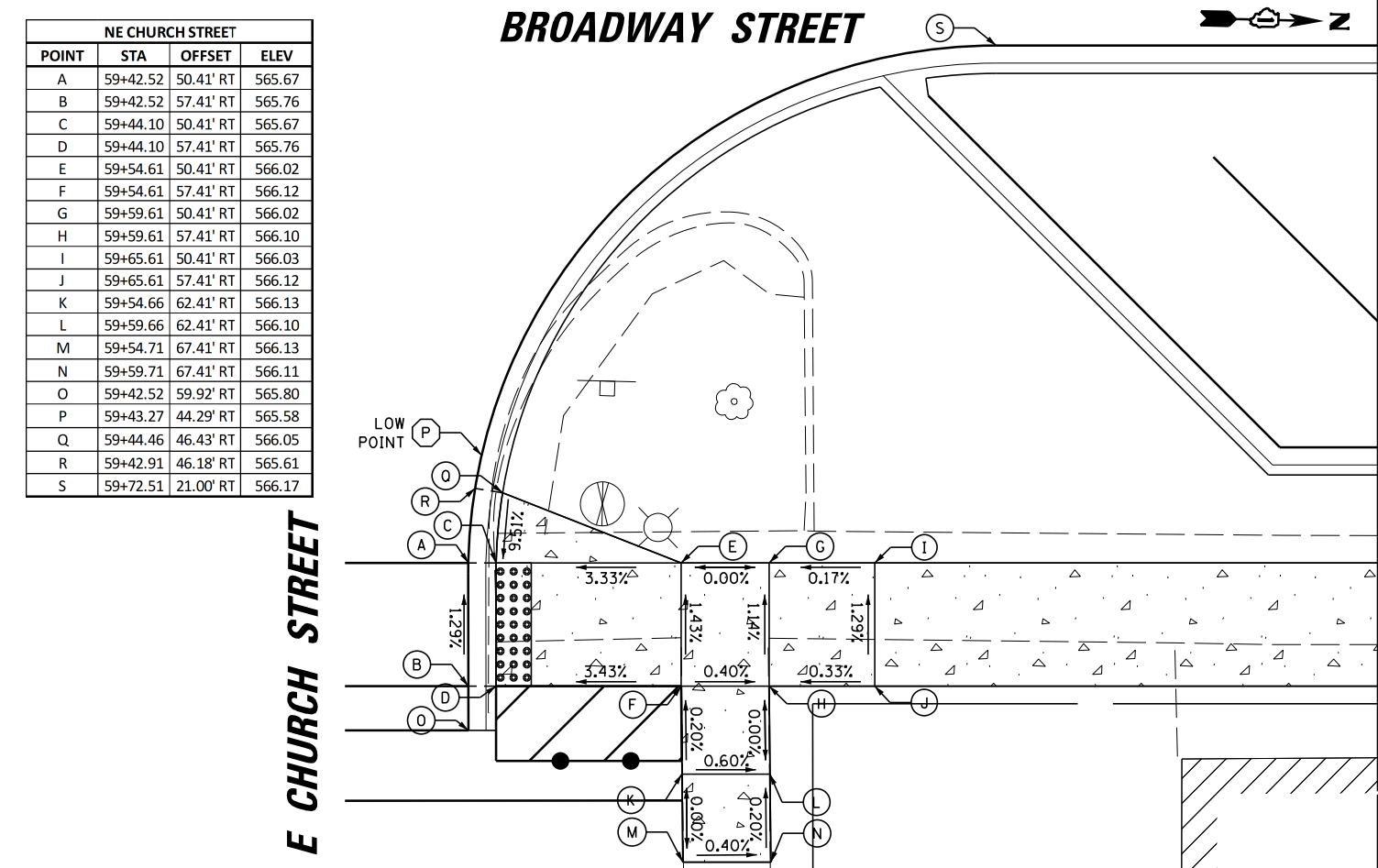
SE OAK STREET			
POINT	STA	OFFSET	ELEV
A	54+62.59	22.20' RT	564.94
B	54+68.59	24.69' RT	565.01
C	54+62.59	23.85' RT	564.94
D	54+68.59	26.50' RT	565.01
E	54+62.59	26.50' RT	564.94
F	54+62.59	32.50' RT	565.03
G	54+68.59	32.50' RT	565.10
H	54+84.14	49.41' RT	565.30
I	54+83.96	55.41' RT	565.36
J	54+82.56	49.41' RT	565.30
K	54+82.37	55.41' RT	565.36
L	54+68.59	49.41' RT	565.75
M	54+68.59	55.41' RT	565.84
N	54+66.92	55.41' RT	565.85
O	54+62.59	49.41' RT	565.79
P	54+62.59	55.41' RT	565.88
Q	54+56.59	49.41' RT	565.84
R	54+56.59	55.41' RT	565.93
S	54+66.92	65.41' RT	565.87
T	54+62.59	65.41' RT	565.94
U	54+83.75	58.50' RT	565.39
V	54+58.45	22.90' RT	565.34
W	54+72.85	29.57' RT	565.51
X	54+82.01	45.20' RT	565.70
Y	54+54.19	21.00' RT	564.86
Z	54+58.69	21.34' RT	564.90
AA	54+73.89	28.38' RT	565.07
AB	54+83.55	44.88' RT	565.26



NE OAK STREET			
POINT	STA	OFFSET	ELEV
A	55+07.23	49.41' RT	565.31
B	55+07.18	55.41' RT	565.40
C	55+08.81	49.41' RT	565.31
D	55+08.76	55.41' RT	565.40
E	55+26.45	49.41' RT	566.44
F	55+26.48	55.41' RT	566.53
G	55+30.45	49.41' RT	566.49
H	55+30.48	55.41' RT	566.58
I	55+36.48	49.41' RT	566.70
J	55+36.48	55.41' RT	566.79
K	55+26.53	65.41' RT	566.54
L	55+30.53	65.41' RT	566.62
M	55+07.18	58.51' RT	565.45
N	55+13.02	33.22' RT	565.05
O	55+09.31	45.45' RT	565.69
P	55+07.76	45.14' RT	565.25
Q	55+37.18	21.00' RT	565.27



SE CHURCH STREET				NE CHURCH STREET			
POINT	STA	OFFSET	ELEV	POINT	STA	OFFSET	ELEV
A	59+20.50	50.41' RT	565.81	J	59+02.93	55.41' RT	566.02
B	59+20.51	57.41' RT	565.71	K	59+02.93	56.42' RT	566.02
C	59+18.92	50.41' RT	565.81	L	59+01.39	49.41' RT	566.03
D	59+18.93	57.41' RT	565.71	M	59+01.39	55.41' RT	566.04
E	59+12.93	50.41' RT	565.89	N	58+95.39	49.41' RT	566.03
F	59+12.93	57.41' RT	565.80	O	58+95.39	55.41' RT	566.12
G	59+07.93	49.41' RT	565.94	P	59+07.94	61.41' RT	566.14
H	59+07.93	56.41' RT	565.97	Q	59+02.94	61.42' RT	566.08
I	59+06.39	49.41' RT	565.96	R	59+07.93	66.41' RT	566.22
				S	59+02.93	66.41' RT	566.14
				T	58+99.81	35.30' RT	565.79
				U	58+99.81	40.30' RT	565.72
				V	59+01.39	35.30' RT	565.79
				W	59+01.39	40.30' RT	565.72
				X	59+06.39	35.30' RT	565.86
				Y	59+06.39	40.30' RT	565.79
				Z	59+20.51	59.94' RT	565.67
				AA	58+99.81	24.14' RT	566.41
				AB	59+04.36	26.18' RT	566.71
				AC	59+05.13	24.80' RT	566.27
				AD	59+18.22	44.71' RT	566.34
				AE	58+99.26	43.07' RT	566.06
				AF	58+90.51	21.00' RT	566.49
				AG	59+00.32	22.65' RT	566.34
				AH	59+19.76	44.36' RT	565.90
				AI	58+98.15	41.96' RT	565.62
				AJ	58+96.27	43.83' RT	565.51



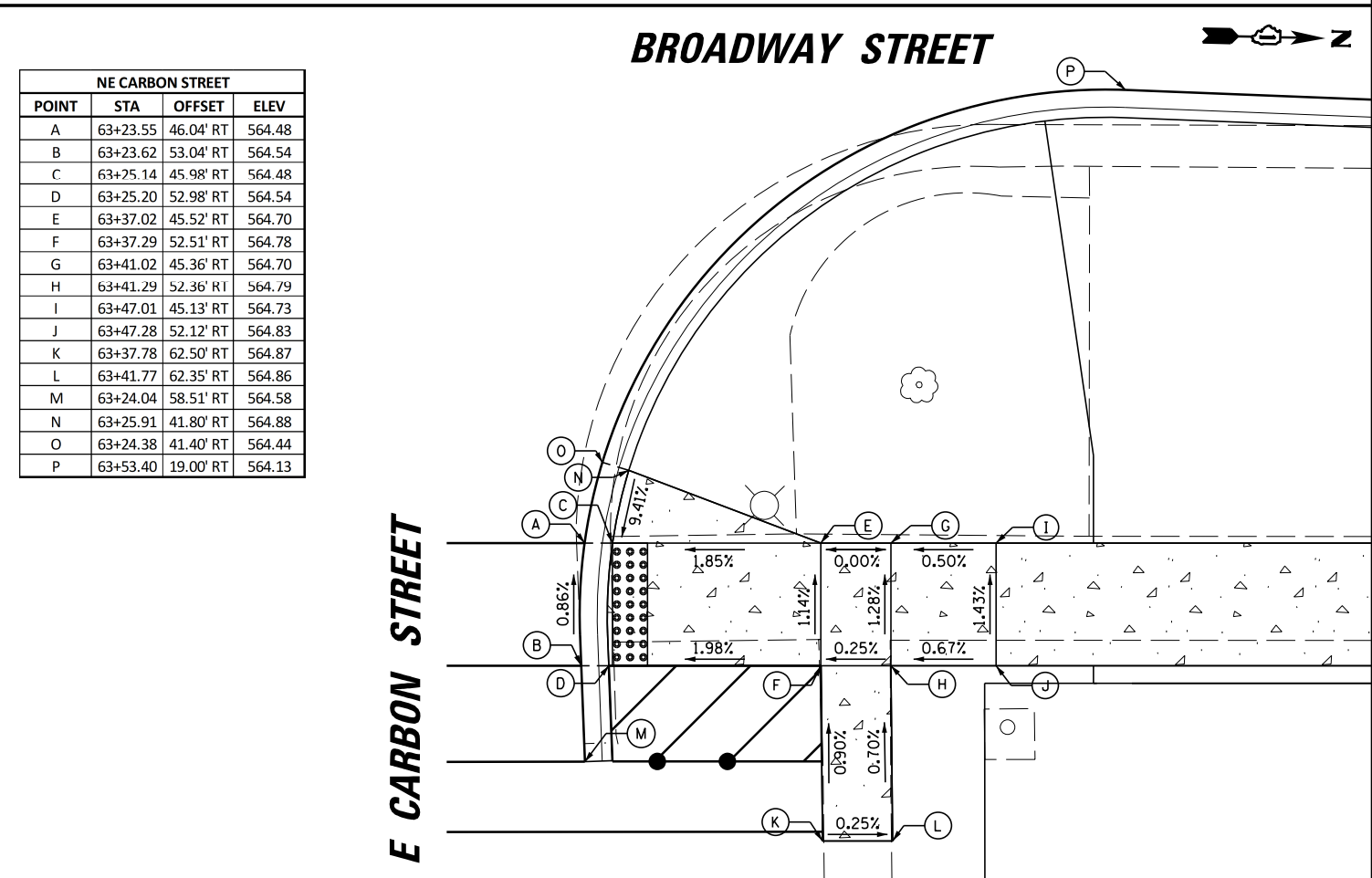
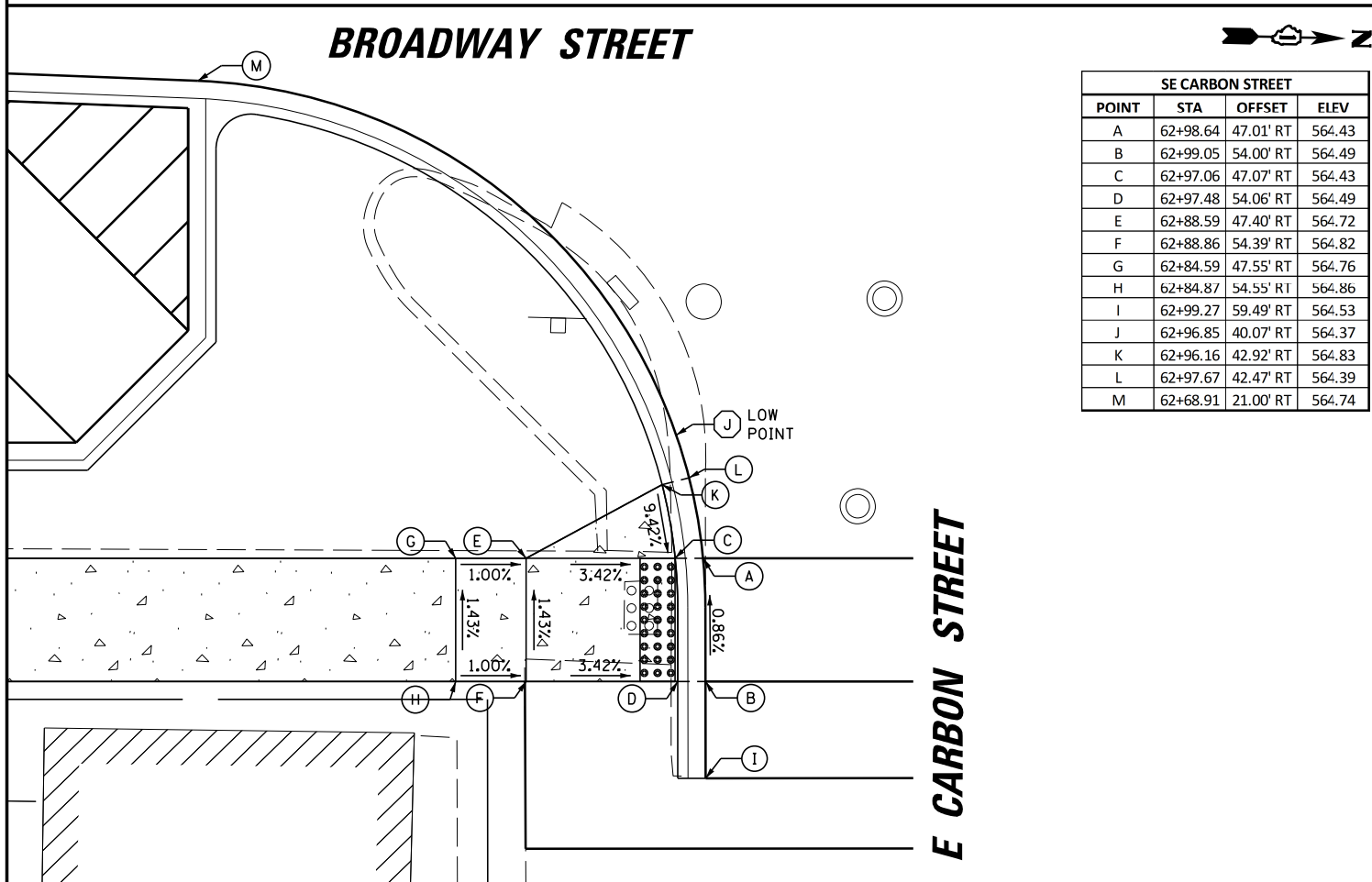
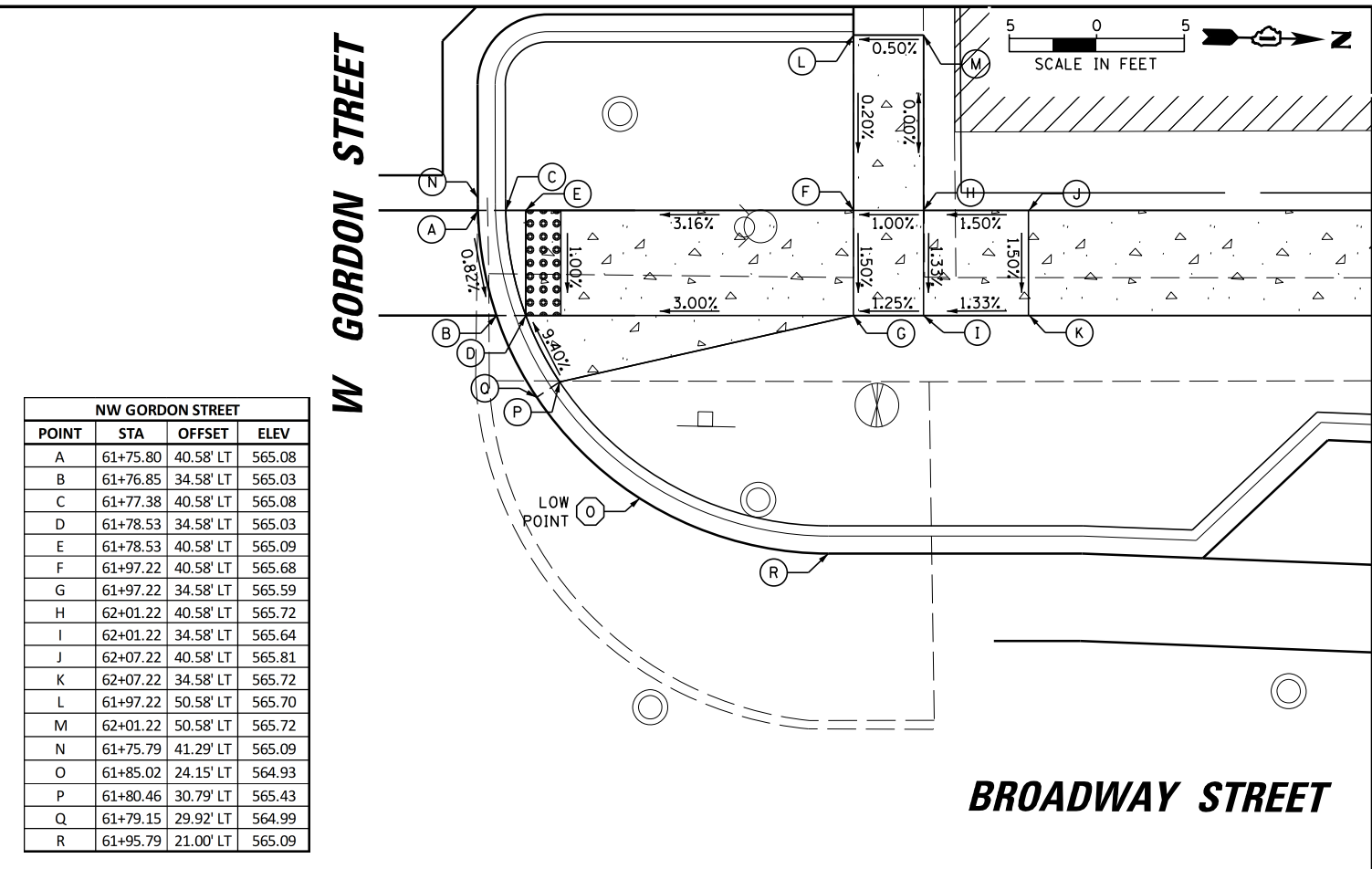
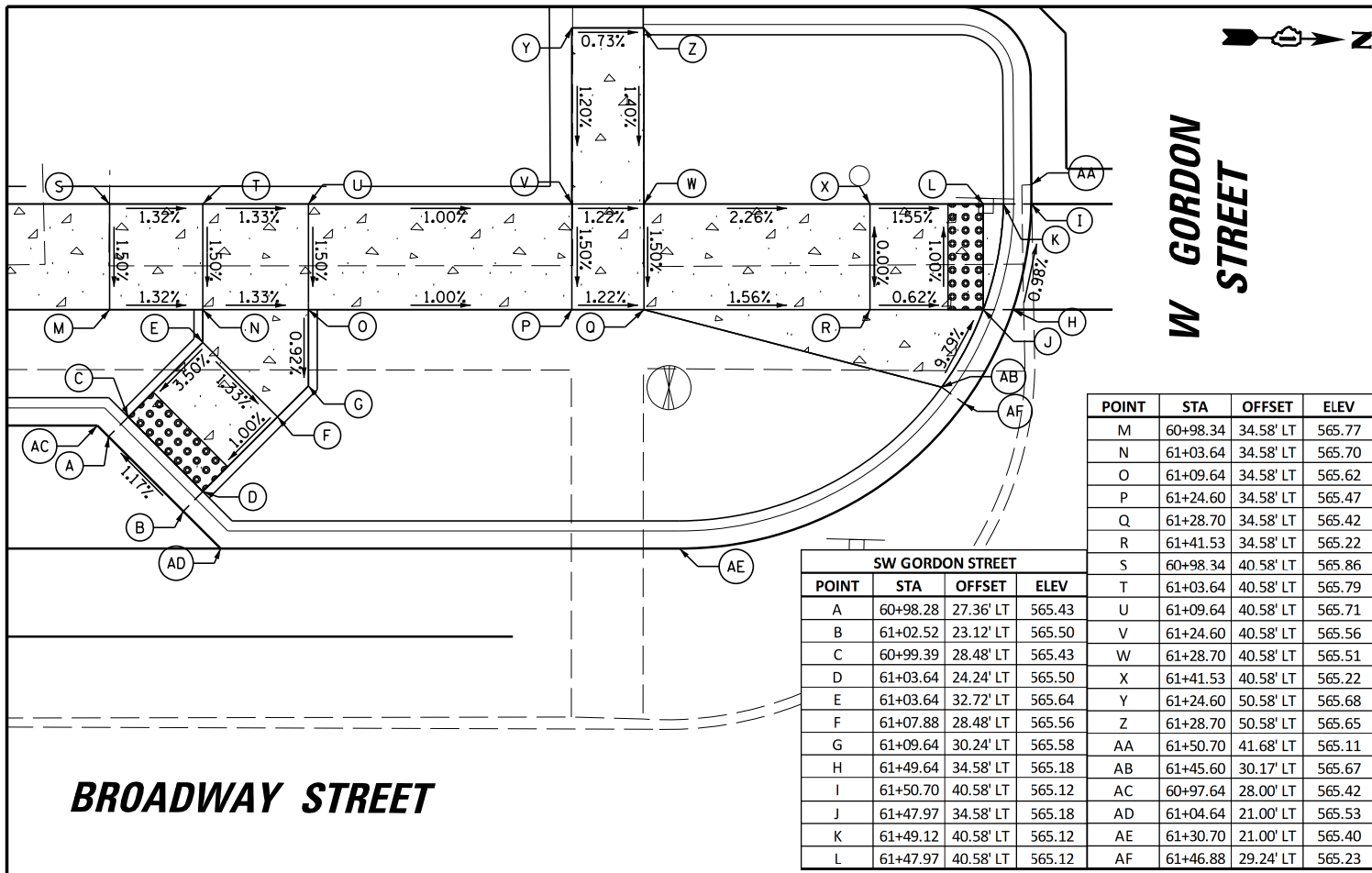
9575 W. Higgins Road, Suite 600  
 Rosemont, Illinois 60018  
 (847) 823-0500  
 USER NAME = rhowellindgren  
 DESIGNED - MBT  
 DRAWN - MBT  
 PLOT SCALE = 1/8"  
 CHECKED - SNS  
 PLOT DATE = 11/13/2018  
 DATE -  
 REVISIONS -  
 REVISIONS -  
 REVISIONS -  
 REVISIONS -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION  
 SCALE: 60'

BROADWAY STREET  
 SIDEWALK RAMP DETAILS  
 SHEET 5 OF 7 SHEETS STA. TO STA.

F.A.S. R.E. SECTION COUNTY TOTAL SHEETS SHEET NO.  
 288 14-00030-00-WR GRUNDY 95 77  
 CONTRACT NO. 87710  
 ILLINOIS FED. AID PROJECT





9575 W. Higgins Road, Suite 600  
Rosemont, Illinois 60018  
(847) 823-0500

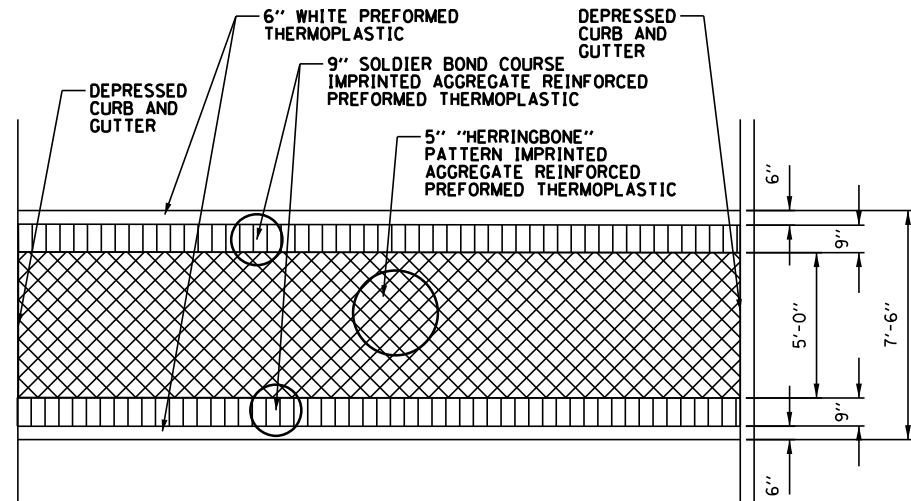
USER NAME = rhowellindgren	DESIGNED - MBT	REVISED -
PLOT SCALE = 10'	DRAWN - MBT	REVISED -
PLOT DATE = 11/13/2018	CHECKED - SNS	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

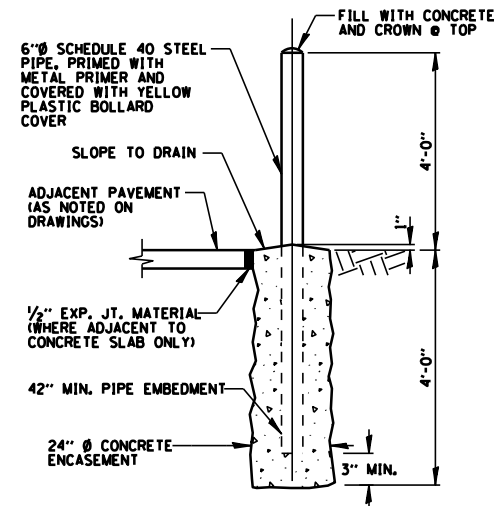
BROADWAY STREET  
SIDEWALK RAMP DETAILS

SCALE: 50' SHEET 6 OF 7 SHEETS STA. TO STA.

F.A.S. RTE. 288	SECTION 14-00030-00-WR	COUNTY GRUNDY	TOTAL SHEETS 95	SHEET NO. 78
CONTRACT NO. 87710				
ILLINOIS FED. AID PROJECT				

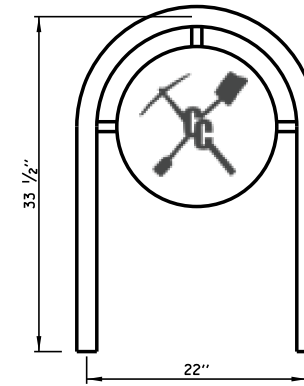


**PAVEMENT IMPRINTING DETAIL**

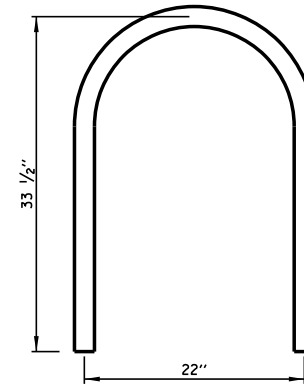


- NOTES:**
1. SEE SITE DRAWING FOR LOCATION.
  2. THIS WORK PAID FOR UNDER "BOLLARDS". (SEE SPECIAL PROVISIONS).

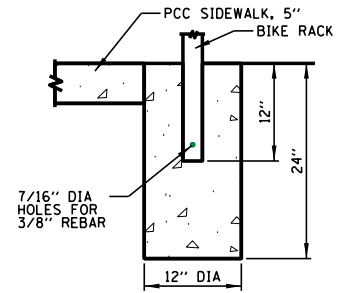
**BOLLARD DETAIL**  
N.T.S.



**TYPE 1**

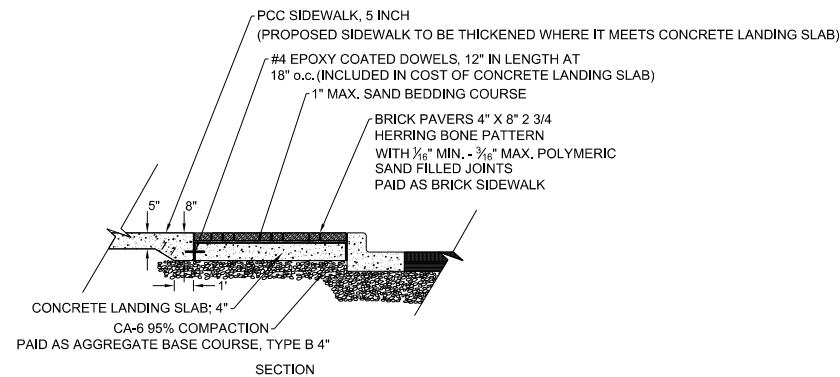


**TYPE 2**

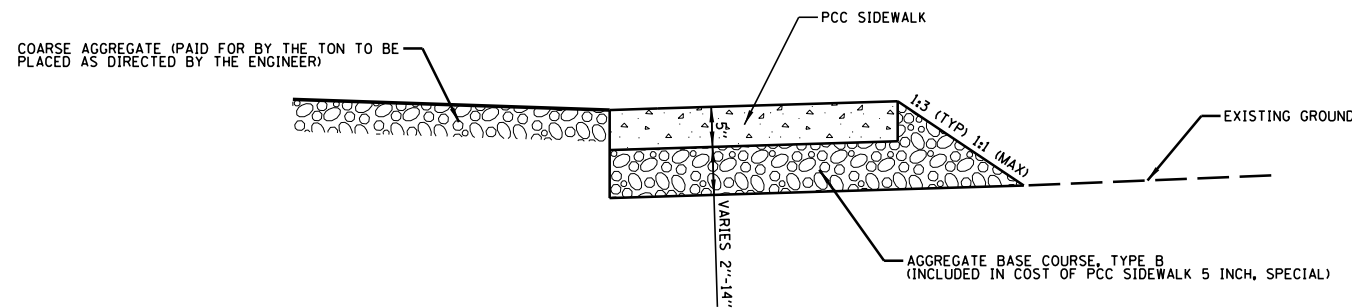


**MOUNTING**

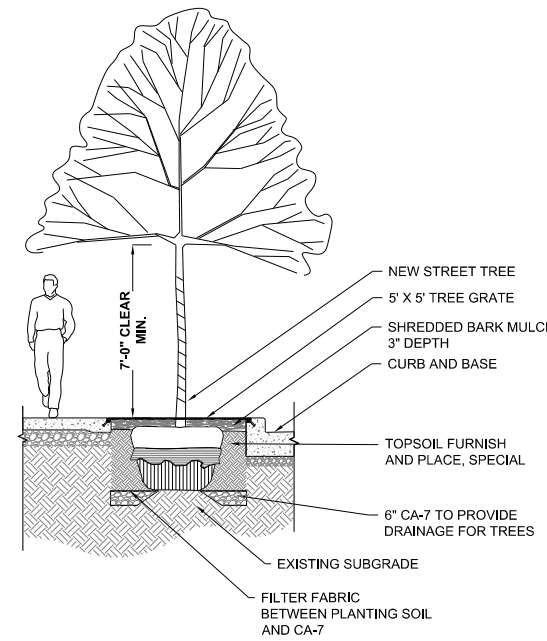
**BICYCLE RACKS**



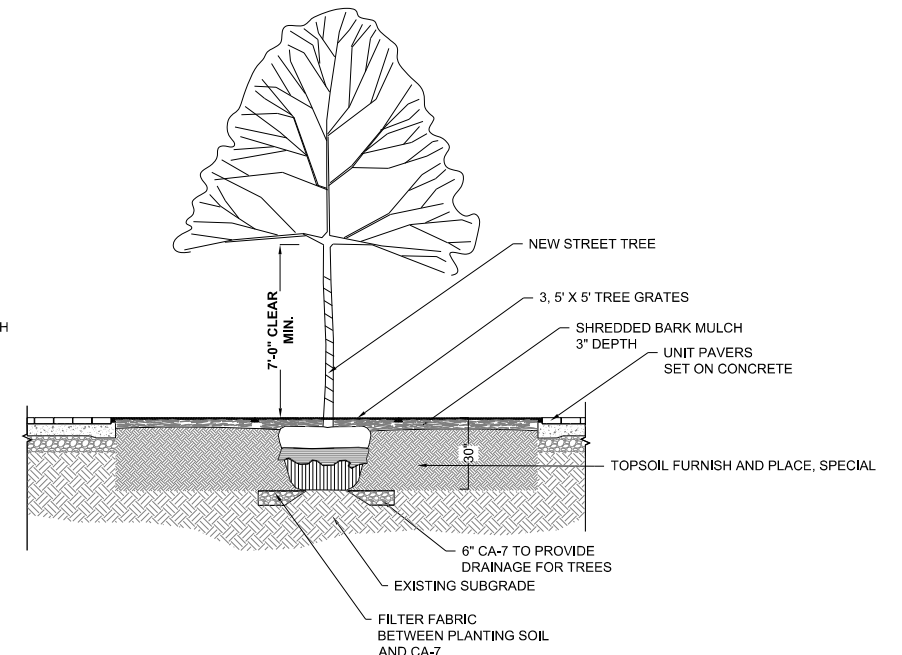
**BRICK SIDEWALK DETAIL**  
NO SCALE

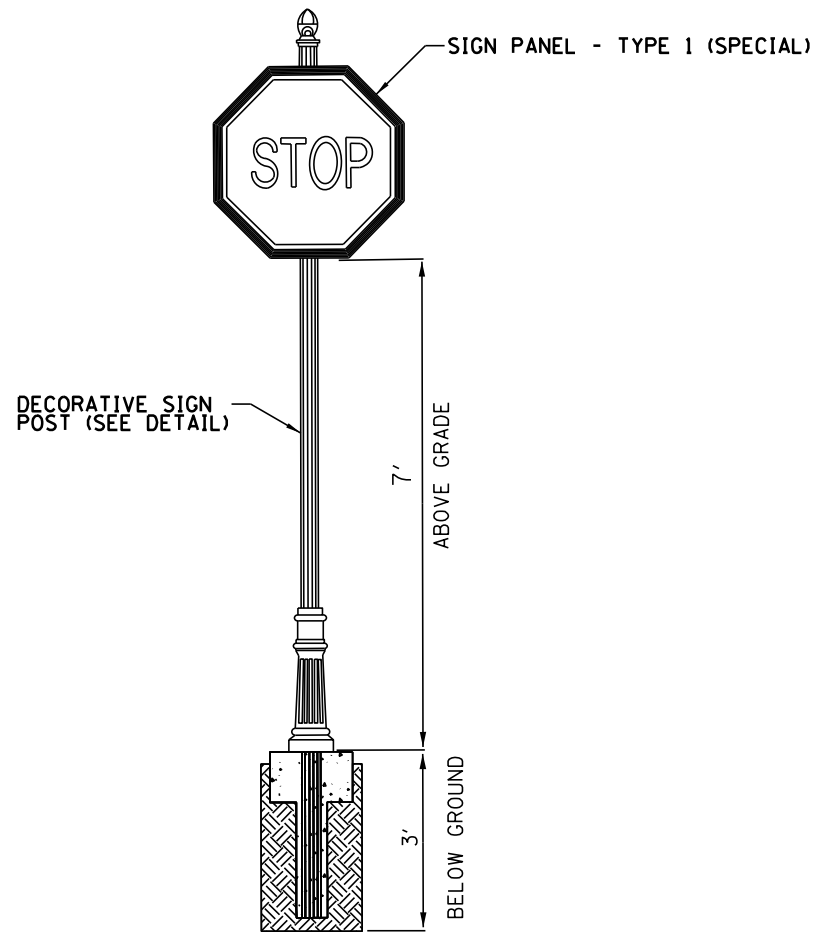


**PCC SIDEWALK 5 INCH, SPECIAL**  
(STA 42+74.00 TO 43+65.50, LT)  
(STA 43+08.50 TO 44.03.00, RT)

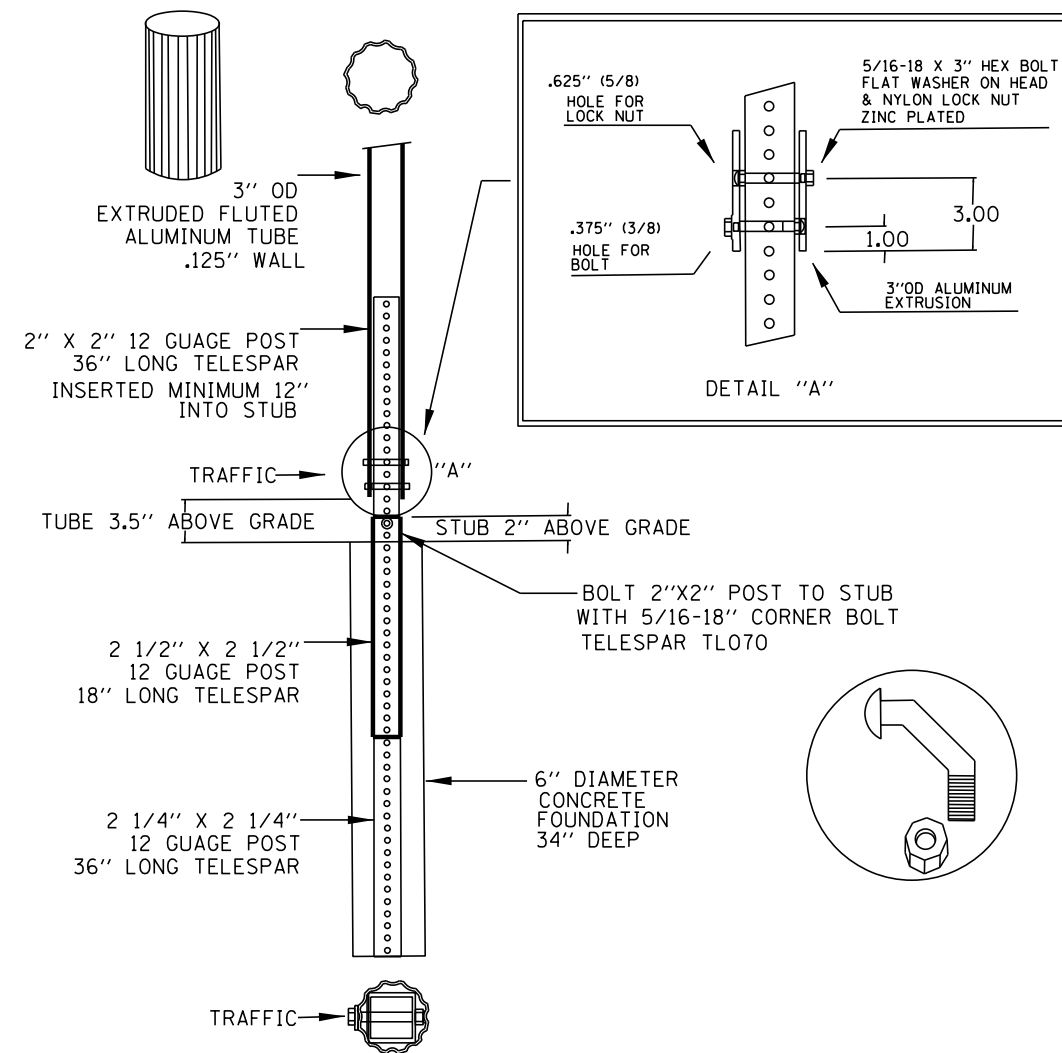


**TREE FRAME AND GRATES**

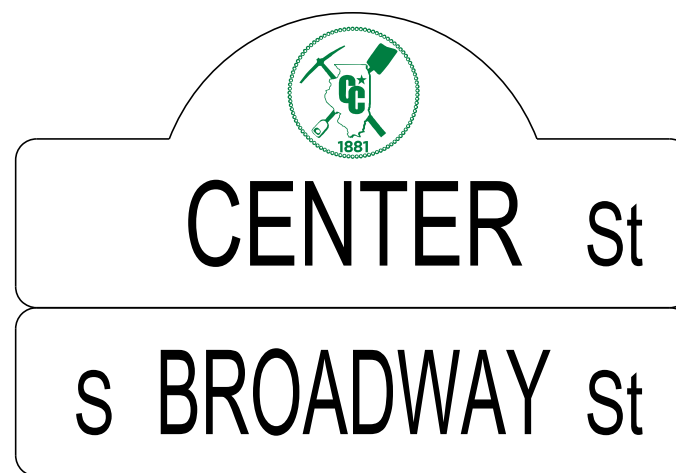




**SIGN PANEL – TYPE 1 (SPECIAL)  
INSTALLATION DETAIL**

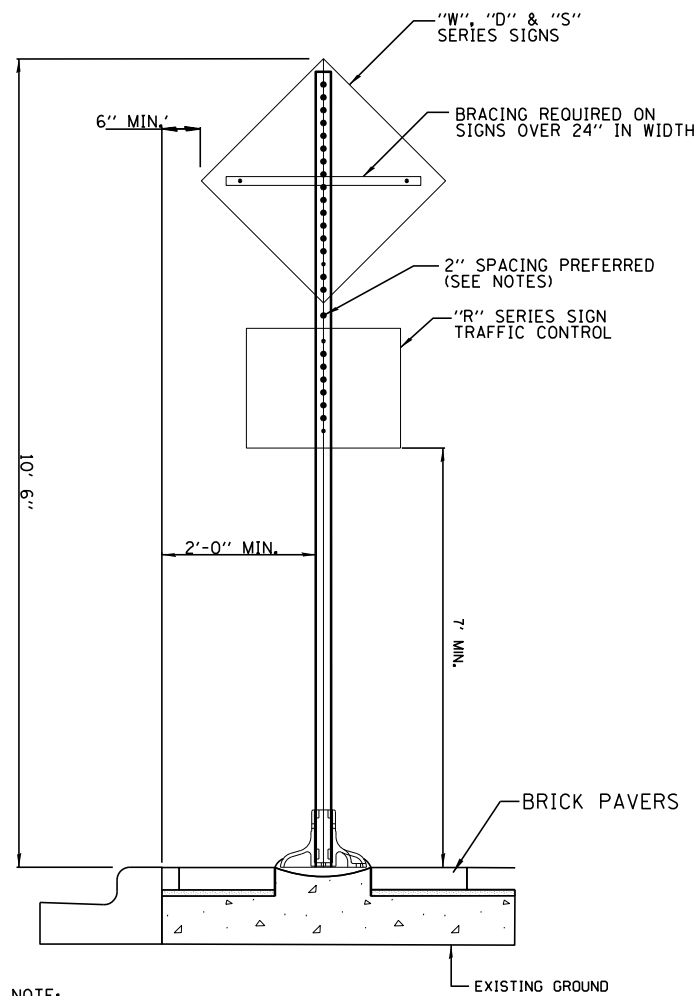


**DECORATIVE SIGN POST DETAIL**



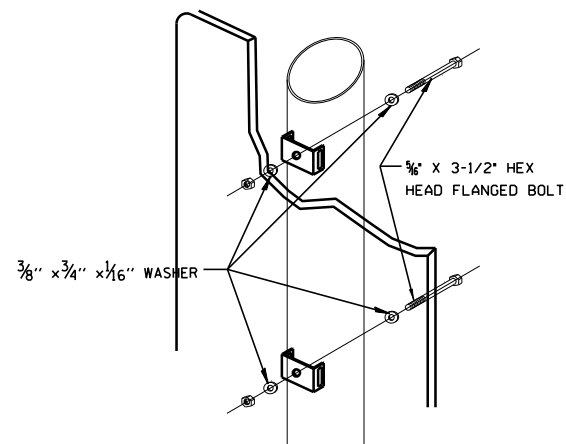
**ORNAMENTAL STREET SIGN POST, COMPLETE**

(USE APPROPRIATE STREET NAME  
AT EACH INTERSECTION)  
(INCLUDES SIGNING AND POST)



NOTE:  
2" SPACING MAY BE REDUCED IF REQUIRED TO MAINTAIN MIN. 7'-0" CLEARANCE TO BASE OF SIGN.

**STEEL POSTS, SPECIAL**  
NOT TO SCALE



NOTE:

**2-3/8" O.D. PIPE SIGN ASSEMBLY**

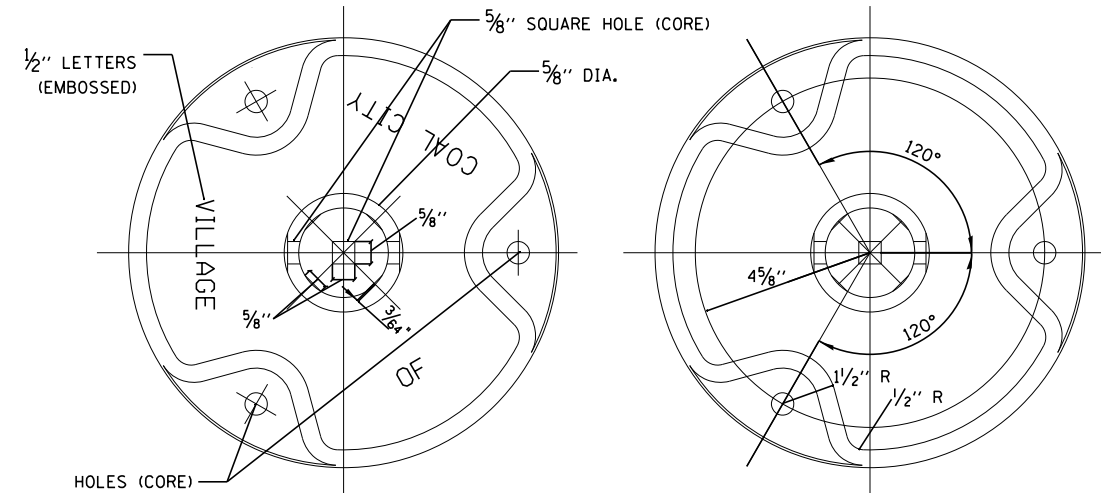
SIGN INSTALLATION STARTS AT 10'-6". PROVIDE MINIMUM 7'-0" CLEARANCE BETWEEN GROUND AND BOTTOM OF SIGN. RAISE INITIAL INSTALLATION HEIGHT IF REQ'D TO MAINTAIN 7' CLEAR.

REQUIREMENT

2 BANDS PER SIGN UNDER 6'

3 BANDS PER SIGN OVER 6'

**SIGN PANEL TYPE 1 ASSEMBLY**  
NOT TO SCALE

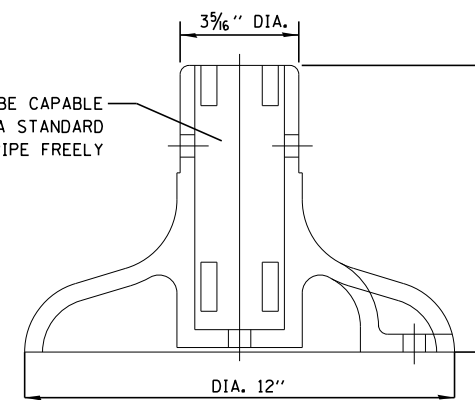


TOP VIEW

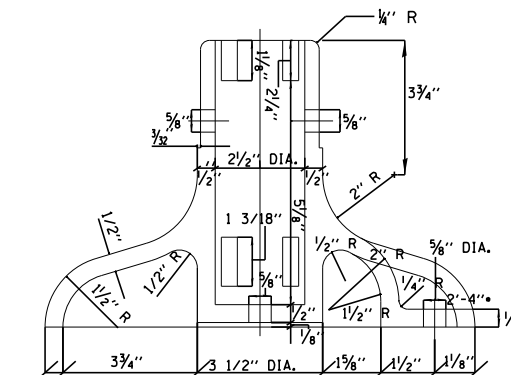
BOTTOM VIEW

MATERIAL GRAY IRON A.S.T.M. A-126-LATEST, CLASS-B  
APPROXIMATE WT: 82.75 POUNDS

THE WELL SHALL BE CAPABLE OF RECEIVING A STANDARD 2" GALVANIZED PIPE FREELY



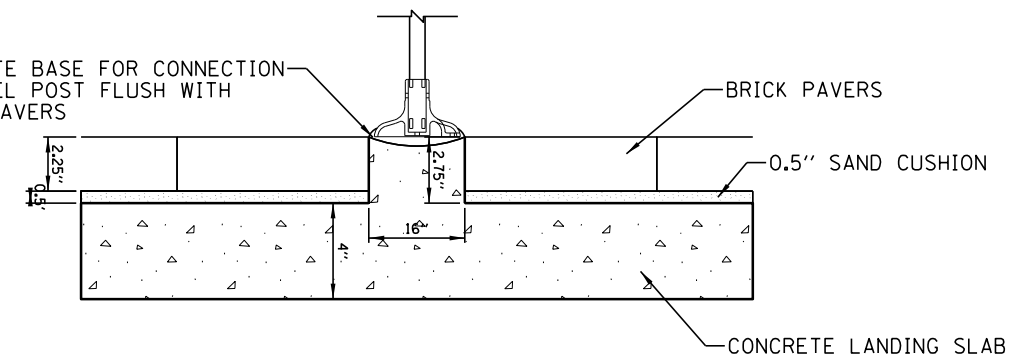
FRONT VIEW



SECTION "A-A"

**STEEL POSTS, SPECIAL BASE DETAIL**

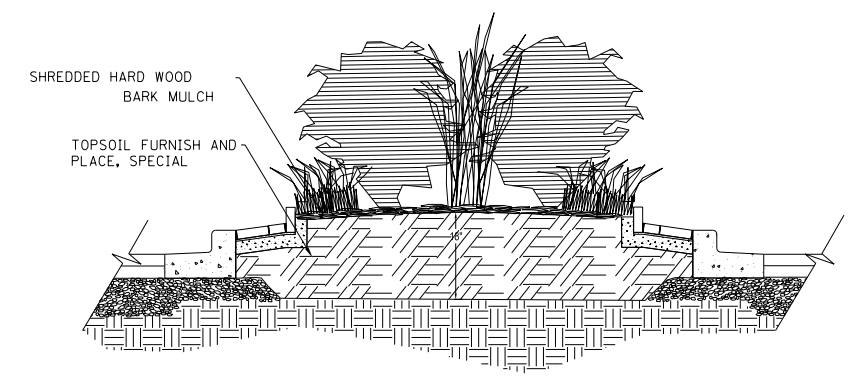
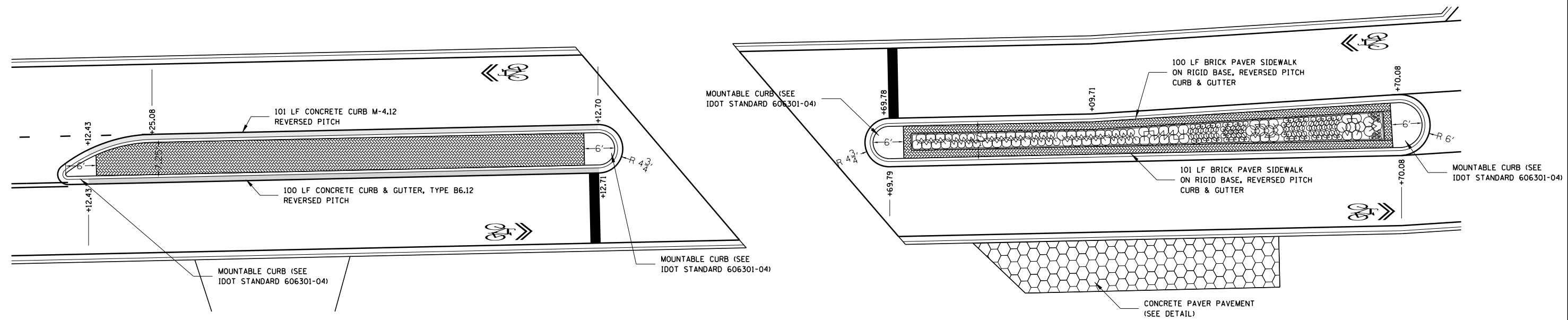
CONCRETE BASE FOR CONNECTION TO STEEL POST FLUSH WITH BRICK PAVERS



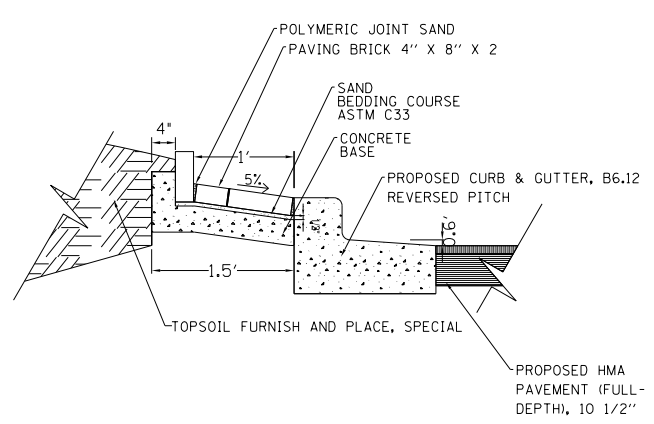
**STEEL POSTS, SPECIAL**

**CONCRETE CONNECTION DETAIL**

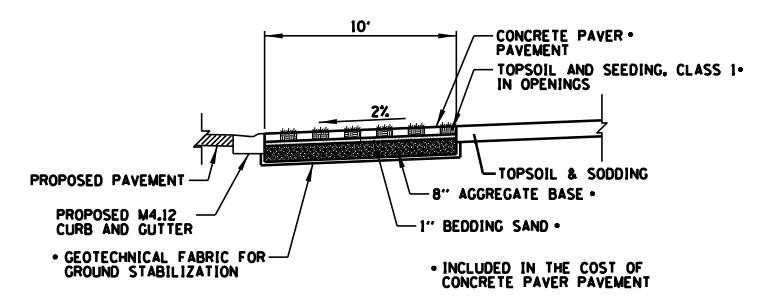
LEGEND	
	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
	UNIT PAVERS ON SAND BED
	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH W/ DETECTABLE WARNING
	PROPOSED PLANTER (SEE PLANT LIST)



TYPICAL MEDIAN CROSS SECTION  
(STA. 43+70 TO STA. 44+70)



BRICK PAVER SIDEWALK ON RIGID BASE



CONCRETE PAVER PAVEMENT  
(STA 43+80 TO STA 44+45, RT)

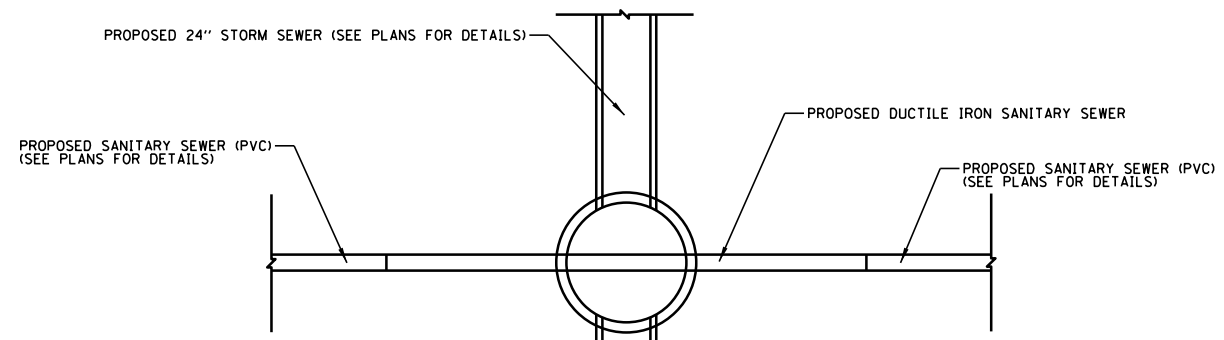
**CB**  
9575 W. Higgins Road, Suite 600  
Rosemont, Illinois 60018  
(847) 823-0500

USER NAME = rhowellindgren	DESIGNED - MBT	REVISED -
DRAWN - MBT	REVISIONS -	
PLOT SCALE = 28'	CHECKED - SNS	REVISED -
PLOT DATE = 11/13/2018	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

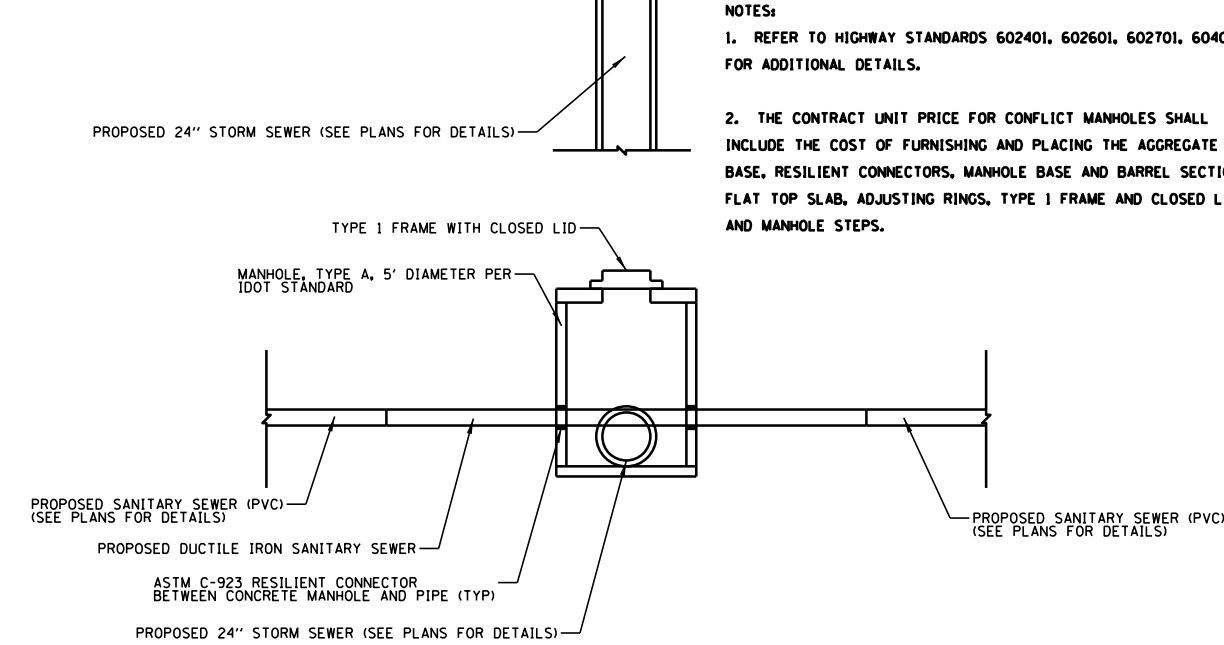
BROADWAY STREET CONSTRUCTION DETAILS	
SCALE:	SHEET 4 OF 5 SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
288	14-00030-00-WR	GRUNDY	95	82
CONTRACT NO. 87710			ILLINOIS FED. AID PROJECT	

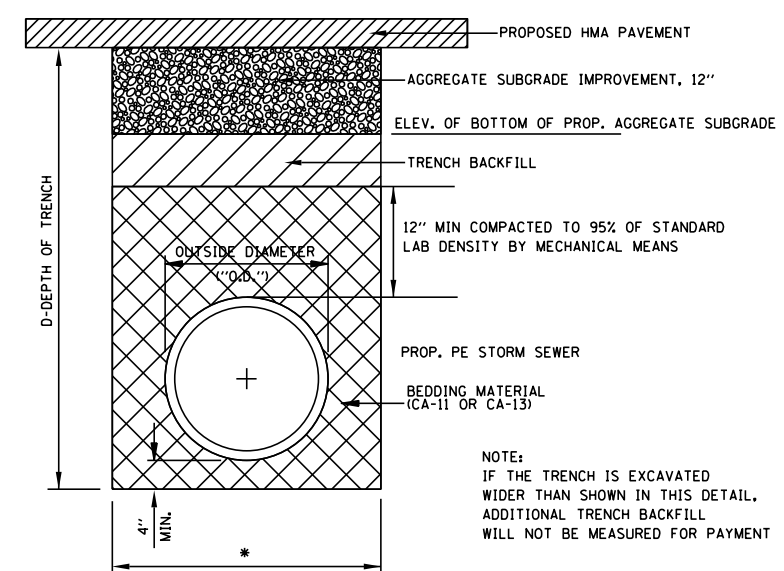


**NOTES:**

1. REFER TO HIGHWAY STANDARDS 602401, 602601, 602701, 604001 FOR ADDITIONAL DETAILS.
2. THE CONTRACT UNIT PRICE FOR CONFLICT MANHOLES SHALL INCLUDE THE COST OF FURNISHING AND PLACING THE AGGREGATE BASE, RESILIENT CONNECTORS, MANHOLE BASE AND BARREL SECTIONS, FLAT TOP SLAB, ADJUSTING RINGS, TYPE 1 FRAME AND CLOSED LID, AND MANHOLE STEPS.

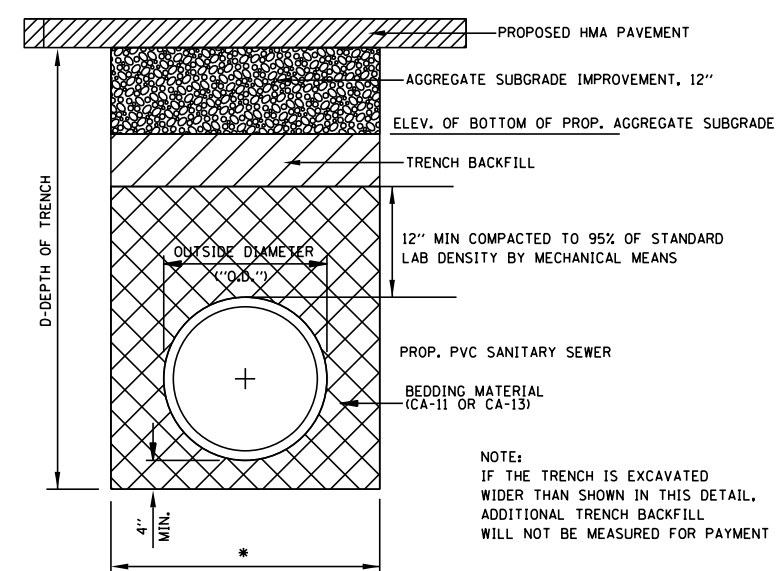


**CONFLICT MANHOLE**



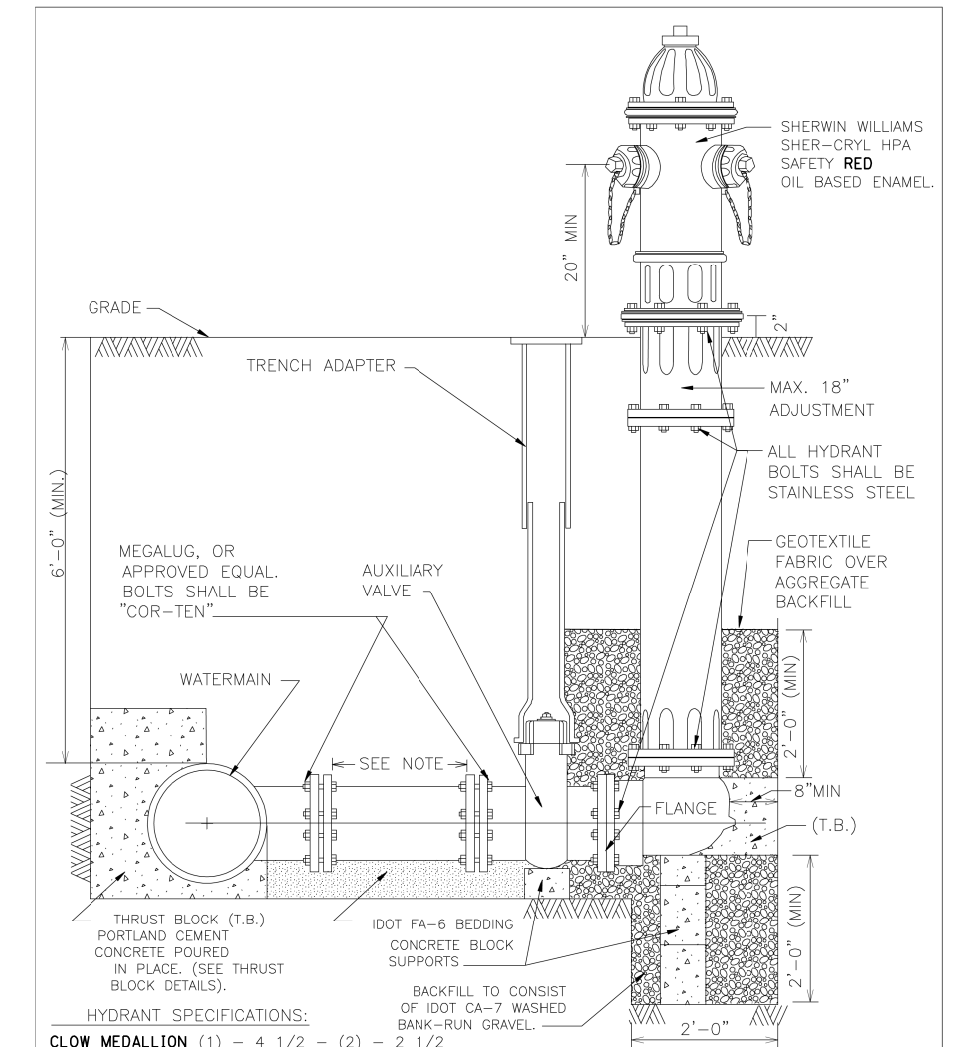
\* TRENCH BACKFILL, PAY LIMIT  
 MAX. WIDTH = 9"+O.D.+9" WHEN D ≤ 5 FT.  
 MAX. WIDTH = 18"+O.D.+18" WHEN D > 5 FT.

**TRENCH BACKFILL DETAIL FOR CORRUGATED POLYETHYLENE STORM SEWER**



\* TRENCH BACKFILL, PAY LIMIT  
 MAX. WIDTH = 9"+O.D.+9" WHEN D ≤ 5 FT.  
 MAX. WIDTH = 18"+O.D.+18" WHEN D > 5 FT.

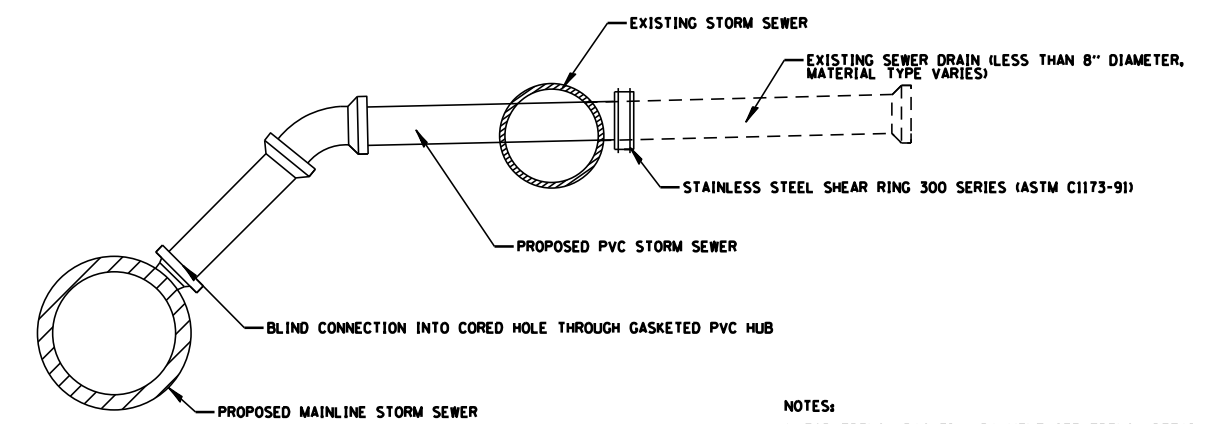
**TRENCH BACKFILL DETAIL FOR SANITARY SEWER**



**HYDRANT SPECIFICATIONS:**  
 CLOW MEDALLION (1) - 4 1/2 - (2) - 2 1/2

FLANGED SHOE WITH 6" RESILIENT WEDGE AUXILIARY VALVE. MAIN VALVE OPENING SHALL BE 5 1/4". ONLY AUXILIARY BOX EXTENSIONS ARE PERMITTED. AUXILIARY BOX ADAPTERS OR RISERS ARE NOT PERMITTED. HYDRANT BARREL SHALL BE ONE PIECE DUCTILE IRON PIPE. POLY-WRAPPED (AS WATER MAIN) TO HYDRANT" BASE. HYDRANT LEADS TO BE 6" DIAMETER UP TO 25' LONG AND 8" DIAMETER IF GREATER THAN 25'. ALL PARTS OF AUXILIARY BOX INCLUDING THE COVER SHALL BE MADE OF CAST IRON.

**HYDRANT INSTALLATION**



**STORM SEWER CONNECTION**

**NOTES:**

1. FOR TRENCH BACKFILL PAYMENT SEE TRENCH DETAIL.
2. ALL PVC SEWER AND BENDS SHALL BE SDR 26.
3. STORM SEWER CONNECTIONS TO BE MADE AT THE DIRECTION OF THE ENGINEER.

**CB** 9575 W. Higgins Road, Suite 600  
 Rosemont, Illinois 60018  
 (847) 823-0500

USER NAME = rhowellindgren	DESIGNED - MBT	REVISIONS
PLOT SCALE = 4'	DRAWN - MBT	REVISIONS
PLOT DATE = 11/13/2018	CHECKED - SNS	REVISIONS
	DATE -	REVISIONS

DESIGNED - MBT	REVISIONS
DRAWN - MBT	REVISIONS
CHECKED - SNS	REVISIONS
DATE -	REVISIONS

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**BROADWAY STREET  
 CONSTRUCTION DETAILS**

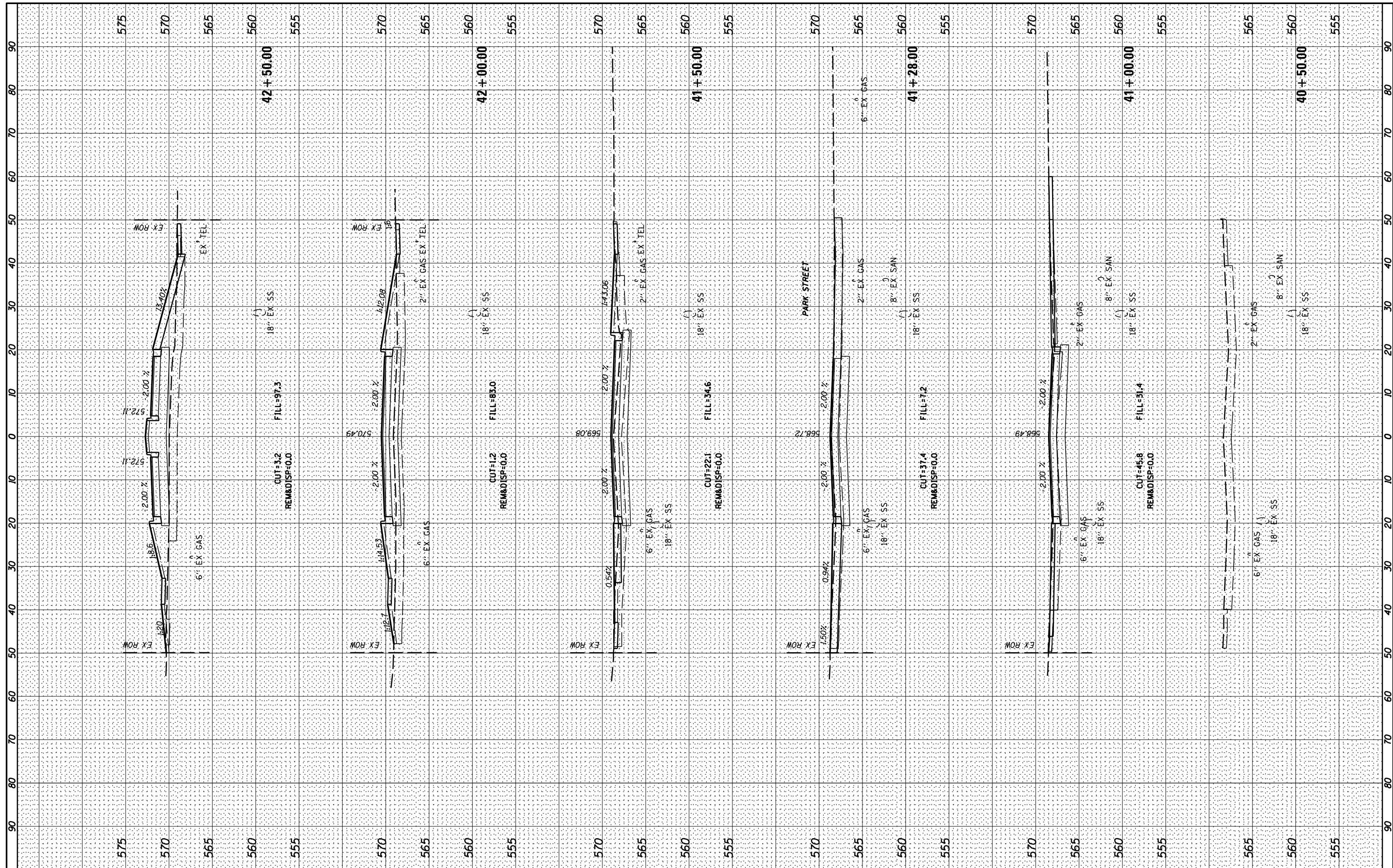
SCALE: SHEET 5 OF 5 SHEETS TO SCALE TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
288	14-00030-00-WR	GRUNDY	95	83
CONTRACT NO. 87710			ILLINOIS FED. AID PROJECT	



BY	DATE

ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS CHECKED
	AREAS CHECKED



FILE NAME = N:\Cool City\170314\Civil\X5\_170314\_01.DGN  
 PLOT SCALE = 28"  
 PLOT DATE = 11/13/2018

USER NAME = rhowellindgren  
 DESIGNED -  
 DRAWN -  
 CHECKED -  
 DATE -

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

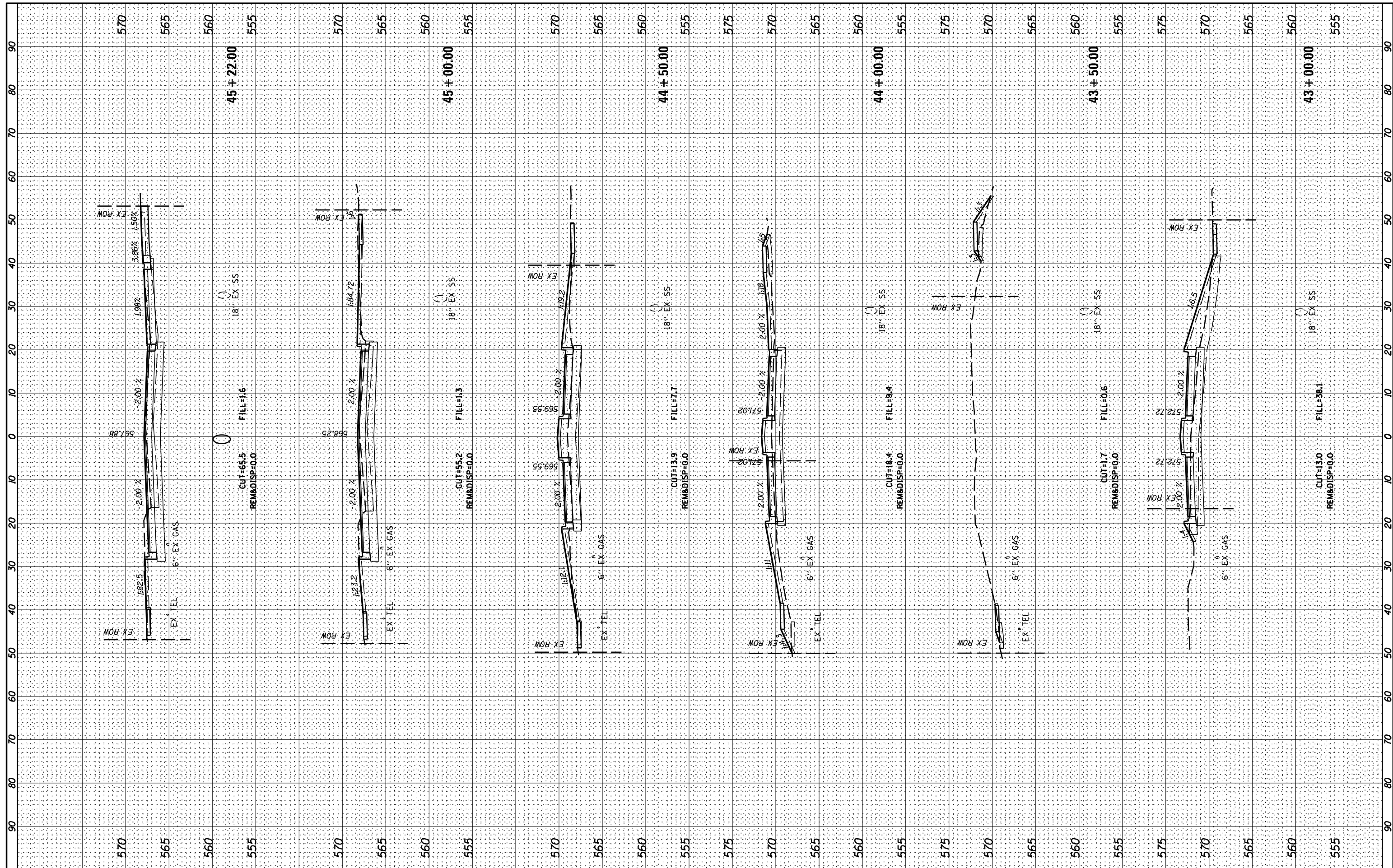
**BROADWAY STREET  
 CROSS SECTIONS**

SCALE: 1"=10' H 1"=5' V SHEET OF SHEETS STA. 40+50.00 TO STA. 42+50.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
288	14-00030-00-WR	GRUNDY	95	84
CONTRACT NO. 87710			ILLINOIS FED. AID PROJECT	

BY	DATE

ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS
	CHECKED



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 PLOT SCALE = 28"  
 PLOT DATE = 11/13/2018

USER NAME = rhowellindgren  
 DESIGNED -  
 DRAWN -  
 CHECKED -  
 DATE -

REVISOR -  
 REVISION -  
 REVISION -  
 REVISION -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**BROADWAY STREET  
 CROSS SECTIONS**

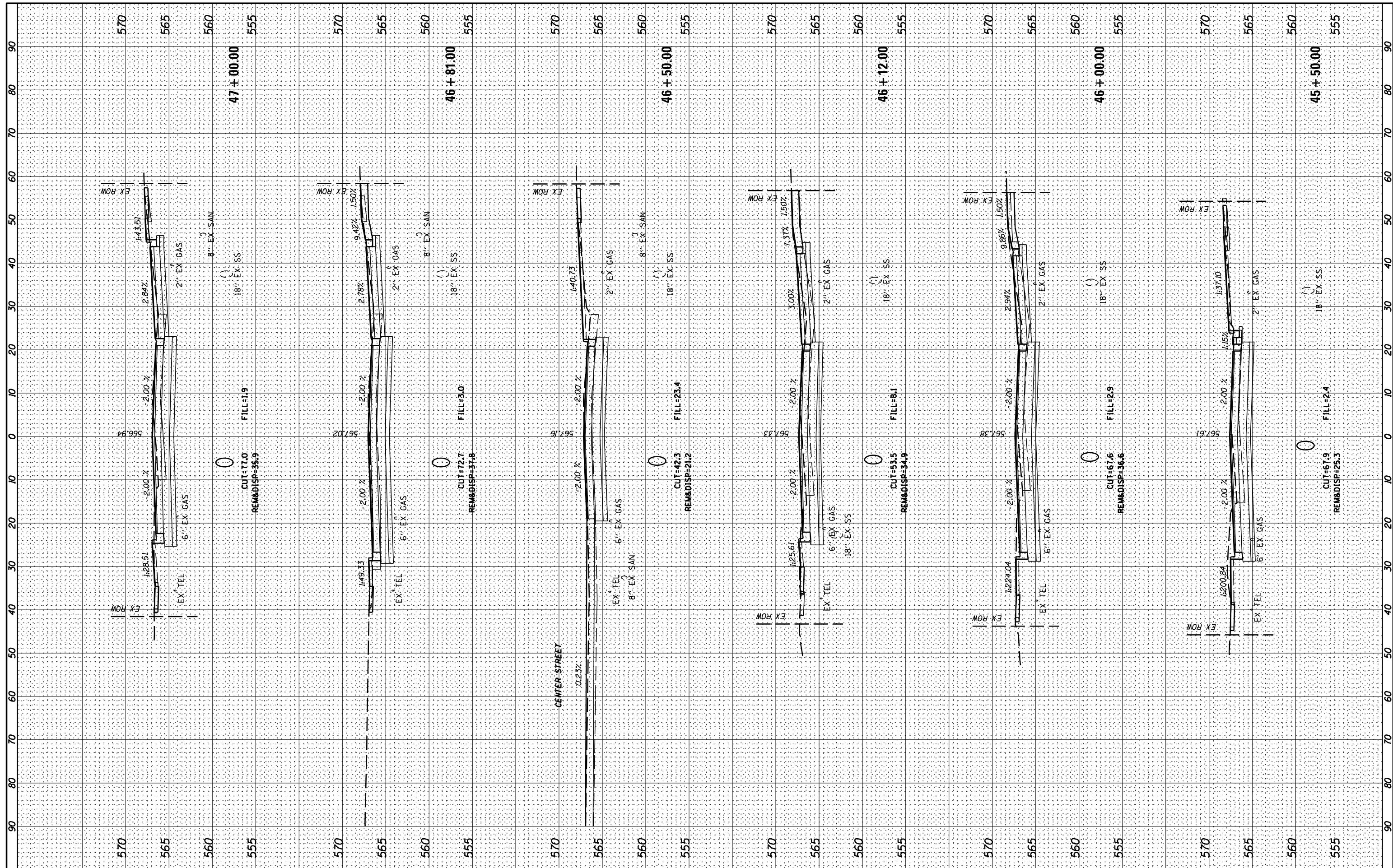
SCALE: 1"=10'H 1"=5'V SHEET OF SHEETS STA. 43+00.00 TO STA. 45+22.00

F.A.S. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
288	14-00030-00-WR	GRUNDY	95	85
CONTRACT NO. 87710				
ILLINOIS FED. AID PROJECT				



BY: \_\_\_\_\_ DATE: \_\_\_\_\_  
 SURVEYED \_\_\_\_\_  
 PLOTTED \_\_\_\_\_  
 TEMPLATE \_\_\_\_\_  
 NOTE BOOK \_\_\_\_\_  
 AREAS CHECKED \_\_\_\_\_  
 NO. \_\_\_\_\_

BY: \_\_\_\_\_ DATE: \_\_\_\_\_  
 SURVEYED \_\_\_\_\_  
 PLOTTED \_\_\_\_\_  
 TEMPLATE \_\_\_\_\_  
 NOTE BOOK \_\_\_\_\_  
 AREAS CHECKED \_\_\_\_\_  
 NO. \_\_\_\_\_



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 USER NAME = rhowellindgren  
 PLOT SCALE = 20'  
 PLOT DATE = 11/13/2018

DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**BROADWAY STREET  
 CROSS SECTIONS**

SCALE: 1"=10'H 1"=5' V SHEET OF SHEETS STA. 45+50.00 TO STA. 47+00.00

F.A.S. RTE. 288	SECTION 14-00030-00-WR	COUNTY GRUNDY	TOTAL SHEETS 95	SHEET NO. 86
			CONTRACT NO. 87710	
ILLINOIS FED. AID PROJECT				





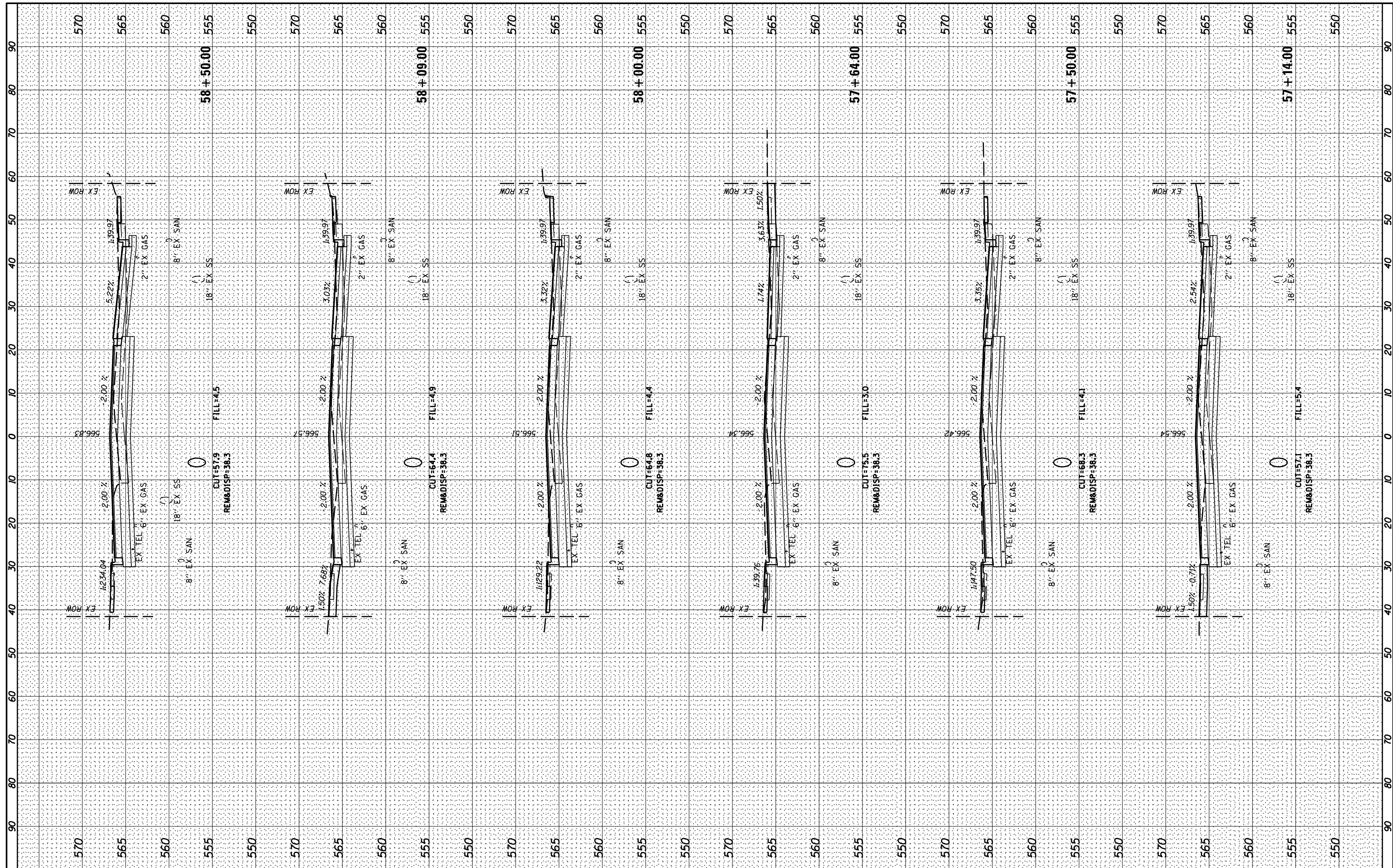






BY: \_\_\_\_\_ DATE: \_\_\_\_\_  
 SURVEYED \_\_\_\_\_  
 PLOTTED \_\_\_\_\_  
 TEMPLATE \_\_\_\_\_  
 NO. \_\_\_\_\_

BY: \_\_\_\_\_ DATE: \_\_\_\_\_  
 SURVEYED \_\_\_\_\_  
 PLOTTED \_\_\_\_\_  
 TEMPLATE \_\_\_\_\_  
 NO. \_\_\_\_\_



FILE NAME = N:\Cool City\170314\Civil\XSS\_170314\_01.DGN  
 USER NAME = rhowellindgren  
 PLOT SCALE = 28"  
 PLOT DATE = 11/13/2018

DESIGNED -  
 DRAWN -  
 CHECKED -  
 DATE -

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**BROADWAY STREET  
 CROSS SECTIONS**  
 SCALE: 1"=10' H 1"=5' V SHEET OF SHEETS STA. 57+14.00 TO STA. 58+50.00

F.A.S. RTE. 288	SECTION 14-00030-00-WR	COUNTY GRUNDY	TOTAL SHEETS 95	SHEET NO. 91
			CONTRACT NO. 87710	
ILLINOIS FED. AID PROJECT				









