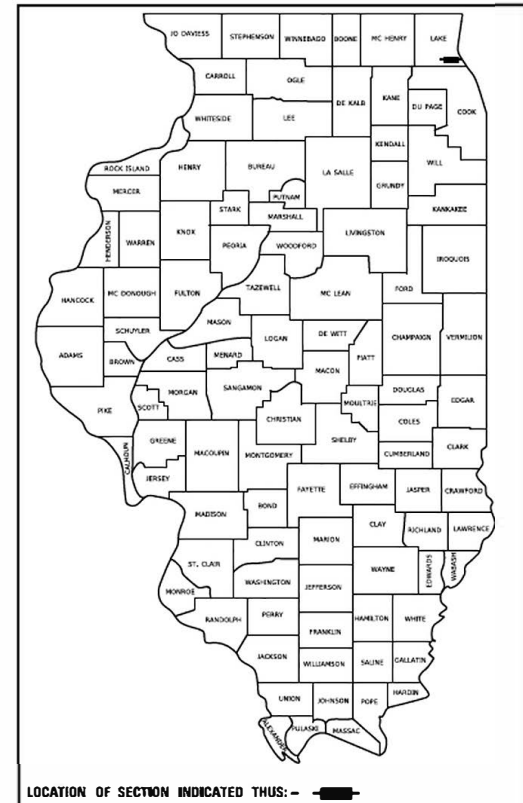


DEPARTMENT OF TRANSPORTATION
**PLANS FOR PROPOSED
 FEDERAL AID HIGHWAY**

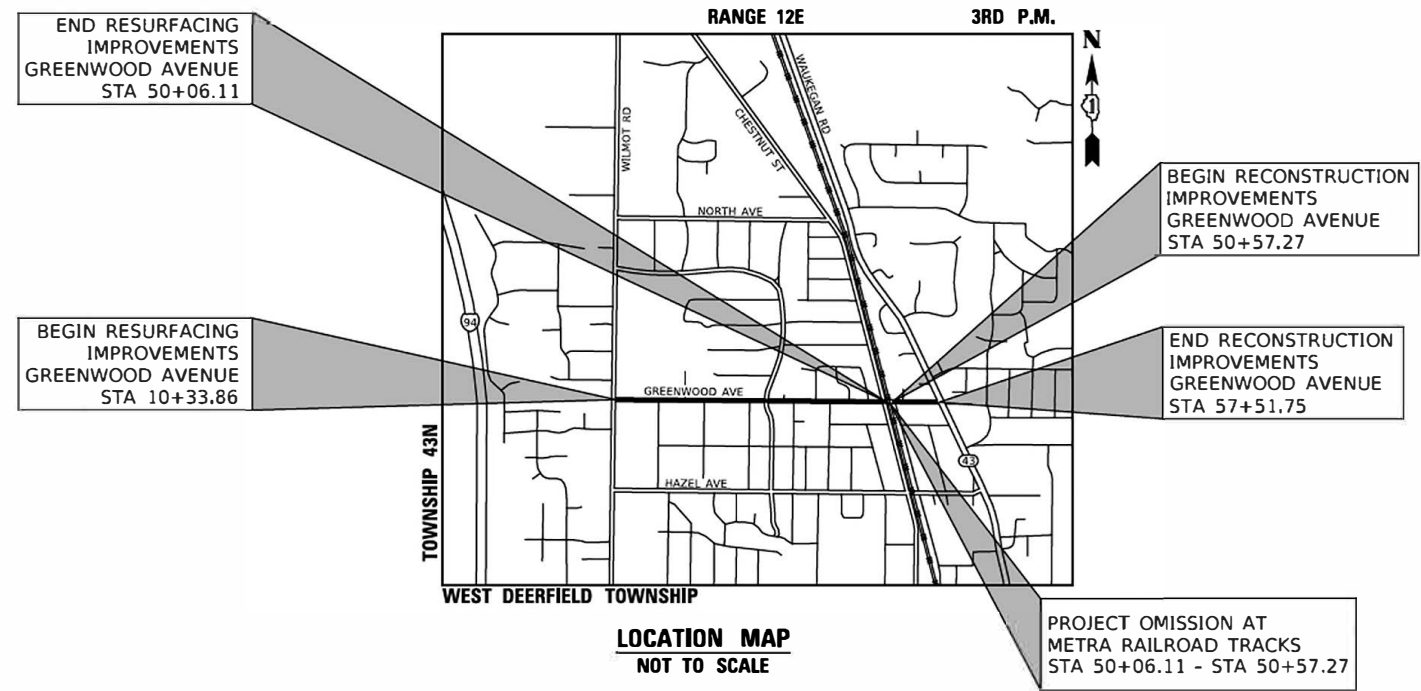
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1262	17-00103-00-PV	LAKE	93	1
		ILLINOIS	CONTRACT NO. 61F47	



FOR INDEX OF SHEETS AND LIST OF STATE STANDARDS, SEE SHEET NO. 2

FAU ROUTE 1262 GREENWOOD AVENUE
 RESURFACING / RECONSTRUCT PROJECT
 WILMOT RD TO IL RTE 43 (WAUKEGAN RD)
 SECTION 17-00103-00-PV
 PROJECT NO. P9CG(353)
 VILLAGE OF DEERFIELD
 LAKE COUNTY
 C-91-164-17

DESIGN DESIGNATION = MAJOR COLLECTOR
 DESIGN SPEED = 25 MPH
 POSTED SPEED = 25 MPH
 DESIGN YEAR = 2019
 GREENWOOD AVE WILMOT TO CHESTNUT ADT = 3,400 (2016)
 GREENWOOD AVE CHESTNUT TO WAUKEGAN ROAD ADT = 4,700 (2016)



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

PROJECT LENGTH:

GREENWOOD AVENUE (STA 10+33.86 TO STA 57+51.75) - 4,717.89 FT (0.894 MI) (GROSS)
 GREENWOOD AVENUE RESURFACING (STA 10+33.86 TO STA 50+06.11) - 3,972.25 FT (0.752 MI) (NET)
 GREENWOOD AVENUE RECONSTRUCTION (STA 50+57.27 TO STA 57+51.75) - 694.48 FT (0.132 MI) (NET)
 PROJECT TOTAL - 4,717.89 FT (0.894 MI) (GROSS)
 PROJECT TOTAL - 4,666.73 FT (0.884 MI) (NET)

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

Approved: *Robert W. Phillips*
 Robert W. Phillips
 Village of Deerfield

Passed: *DECEMBER 14, 2018*
Charles Christopher Holt
 District One Engineer of Local Roads & Streets

Releasing for Bid Based on Limited Review: *DECEMBER 17, 2018*
Anthony J. Quinley / R.E.
 Regional Engineer

APPLIES TO SHEETS 1 - 59
 69 - 93

Kristin R. Kalkowski
 REGISTERED P.E. STATE OF ILLINOIS EXPIRES 11/30/2019

APPLIES TO SHEETS 60 - 68

John J. [Signature]
 REGISTERED P.E. STATE OF ILLINOIS EXPIRES 11/30/2019



PLANS PREPARED BY:
CIVILTECH
 Two Pierce Place, Suite 1400 - Itasca, Illinois 60143
 Tel 630.773.3900 - Fax: 630.773.3975
 www.civiltechinc.com

FEDERAL AID PROGRAM ENGINEER: CARMEN E. RAMOS, P.E. SCHAUMBURG, IL

PAVING, CURB & GUTTER AND SIDEWALK

1. THE PAVEMENT PATCHING AND CURB AND GUTTER REMOVAL AND REPLACEMENT LOCATIONS SHOWN ON THE PLANS ARE APPROXIMATIONS BASED ON FIELD INVESTIGATIONS. THE ENGINEER SHALL MAKE THE FINAL DETERMINATION ON THE LOCATION OF PAVEMENT PATCHES AND CURB AND GUTTER REMOVAL AND REPLACEMENT IN THE FIELD.
2. HOT-MIX ASPHALT SHALL NOT BE PLACED ADJACENT TO CURB AND GUTTER UNTIL THE CURB AND GUTTER HAS BEEN PROPERLY CURED AND BACKFILLED TO THE SATISFACTION OF THE ENGINEER.
3. HOT-MIX ASPHALT SURFACE COURSE SHALL NOT BE PLACED UNTIL ALL EARTH EXCAVATION, TOPSOIL PLACEMENT, AND HOT-MIX ASPHALT BINDER COURSE HAVE BEEN COMPLETED TO THE SATISFACTION OF THE ENGINEER.
4. THE THICKNESSES OF HOT-MIX ASPHALT MIXTURES SHOWN ON THE PLANS ARE NOMINAL. DEVIATIONS MAY OCCUR DUE TO IRREGULARITIES IN THE SURFACE, BINDER, OR BASE UPON WHICH THE HOT-MIX ASPHALT MATERIALS ARE PLACED.
5. THE SIDEWALK ON ONE SIDE OF THE STREET MUST REMAIN OPEN AND ACCESSIBLE AT ALL TIMES. CONSTRUCTION STAGING SHALL BE COORDINATED WITH THE ENGINEER AND CONTRACTOR TO ENSURE ONE SIDEWALK REMAINS OPEN.
6. FOR WORK OUTSIDE THE LIMITS OF BRIDGE APPROACH PAVEMENT, ALL REFERENCES IN THE HIGHWAY STANDARDS AND STANDARD SPECIFICATIONS FOR REINFORCEMENT, DOWEL BARS, AND TIE BARS IN PAVEMENT, SHOULDERS, CURB, GUTTER, COMBINATION CURB AND GUTTER, MEDIAN, AND CHAIR SUPPORTS FOR CRC PAVEMENT, SHALL BE EPOXY COATED, UNLESS NOTED ON THE PLAN.

DRIVEWAY RECONSTRUCTION

1. ACCESS TO DRIVEWAYS SHALL BE PROVIDED AT THE END OF EACH WORK DAY EXCEPT WHEN CURB AND GUTTER OR SIDEWALK ACROSS DRIVEWAYS IS INSTALLED AND CURING.

EROSION CONTROL

1. ALL VEGETATIVE AND STRUCTURAL EROSION CONTROL PRACTICES SHALL BE CONSTRUCTED AND MAINTAINED IN ACCORDANCE WITH THE MINIMUM STANDARDS AND SPECIFICATIONS OF THE "ILLINOIS PROCEDURES AND STANDARDS FOR URBAN SOIL EROSION AND SEDIMENTATION CONTROL" AND THE "STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL" OF THE ILLINOIS ENVIRONMENTAL PROTECTION AGENCY.
2. SEDIMENT CONTROL MEASURES SHALL BE INSTALLED PRIOR TO COMMENCEMENT OF HYDROLOGIC DISTURBANCE OF UPLAND AREAS.
3. SOIL DISTURBANCE SHALL BE CONDUCTED IN SUCH A MANNER AS TO MINIMIZE EROSION. SOIL STABILIZATION MEASURES SHALL CONSIDER THE TIME OF YEAR, SITE CONDITIONS AND THE USE OF TEMPORARY OR PERMANENT MEASURES.
4. THE CONTRACTOR SHALL INSPECT ALL EROSION CONTROL MEASURES PERIODICALLY AND AFTER EACH RUNOFF-PRODUCING RAINFALL EVENT. ANY NECESSARY REPAIRS OR CLEANUP TO MAINTAIN THE EFFECTIVENESS OF SAID MEASURES SHALL BE MADE IMMEDIATELY.
5. ALL STORM SEWER FACILITIES THAT ARE OR WILL BE FUNCTIONING DURING CONSTRUCTION SHALL BE PROTECTED, FILTERED OR OTHERWISE TREATED TO REMOVE SEDIMENT. MUD AND SEDIMENT DEPOSITS SHALL BE REMOVED FROM THE ROADWAY AT THE END OF EACH WORK DAY BY SHOVELING AND/OR SWEEPING.
6. ALL SLOPES SHALL BE COVERED WITH SOD AS GRADING AND PLACEMENT OF TOPSOIL HAS BEEN COMPLETED. THE LIMITS OF THE SOD SHALL BE THE LIMITS OF GRADING.
7. INLET FILTERS SHALL BE PLACED ON ALL CATCH BASINS, INLETS, AND MANHOLES WITH OPEN GRATES IN THE CURB AND GUTTER AND SHOULDERS.
8. THE EROSION CONTROL MEASURES INDICATED ON THE PLANS ARE THE MINIMUM REQUIREMENTS. ADDITIONAL MEASURES MAY BE REQUIRED, AS DIRECTED BY THE ENGINEER.
9. WHEN A TOPSOIL STOCKPILE IS TO REMAIN IN PLACE FOR MORE THAN THREE DAYS, EROSION CONTROL MEASURES MEETING THE APPROVAL OF THE ENGINEER SHALL BE PROVIDED.
10. THE SURFACE OF ALL STRIPPED AREAS SHALL BE PERMANENTLY OR TEMPORARILY PROTECTED FROM SOIL EROSION WITHIN 14 DAYS AFTER FINAL GRADE IS REACHED. STRIPPED AREAS THAT WILL REMAIN UNDISTURBED FOR MORE THAN 14 DAYS AFTER INITIAL DISTURBANCE SHALL BE PROTECTED FROM EROSION WITH THE USE OF TEMPORARY EROSION CONTROL SEEDING. TEMPORARY SEDIMENT AND EROSION CONTROL MEASURES SHALL BE MAINTAINED CONTINUOUSLY UNTIL PERMANENT COVER IS ESTABLISHED.

MISCELLANEOUS

1. THE CONTRACTOR SHALL NOT CROSS COMPLETED BINDER COURSE, OR EXISTING PAVEMENT NOT SCHEDULED TO BE REMOVED, WITH CONSTRUCTION EQUIPMENT WHICH MAY DAMAGE THE PAVEMENT.
2. THE CONTRACTOR SHALL CONTACT THE IDOT TRAFFIC CONTROL SUPERVISOR AT (847) 705-4470 A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
3. IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO COORDINATE WITH THE METRA RAILROAD WHENEVER CONSTRUCTION ACTIVITY IS WITHIN 25 FEET OF THE RAILROAD ROW. THE CONTRACTOR SHALL RETAIN FLAGMEN EMPLOYED AND DESIGNATED BY THE METRA RAILROAD TO MONITOR ON-COMING TRAIN TRAFFIC, AND ADVISE CONTRACTOR PERSONNEL WHEN ACTIVITY ON OR NEAR THE RAILROAD RIGHT-OF-WAY MAY PROCEED. THIS ITEM WILL BE PAID FOR ACCORDING TO ARTICLE 107.12 AND WILL BE REIMBURSED ACCORDING TO ARTICLE 109.05.

ROADWAY EXCAVATION

1. THE SUBGRADE STABILITY SHALL BE VERIFIED BY PROOF ROLLING WITH A FULLY LOADED TANDEM-AXLE TRUCK.
2. ANY AGGREGATE SUBGRADE IMPROVEMENT CONTAMINATED AND/OR DAMAGED BY THE CONTRACTOR'S VEHICLES AND/OR EQUIPMENT IS TO BE REMOVED AND REPLACED AS DIRECTED BY THE ENGINEER.

COMMITMENTS

1. THERE ARE NO COMMITMENTS.

POINTS OF CONTACT

VILLAGE OF DEERFIELD
PUBLIC WORKS
MR. TYLER DICKINSON
465 ELM STREET
DEERFIELD, IL 60015
PH: 847.719.7463
tdickinson@deerfield.il.us

DEERFIELD-BANNOCKBURN
FIRE PROTECTION DISTRICT
500 WAUKEGAN ROAD
DEERFIELD, IL 60015
PH: 847.945.4066

DEERFIELD POLICE DEPARTMENT
850 WAUKEGAN ROAD
DEERFIELD, IL 60015
PH: 847.945.8536

DEERFIELD SCHOOL DISTRICT 109
517 DEERFIELD ROAD
DEERFIELD, IL 60015
PH: 847.945.1844

TOWNSHIP HIGH SCHOOL DISTRICT 113
1040 PARK AVENUE WEST
HIGHLAND PARK, IL 60035
PH: 224.765.1000

METRA RAILROAD
DON WHISTLER
RIGHT OF WAY ADMINISTRATOR
547 WEST JACKSON BOULEVARD
CHICAGO, IL 60661
PH: 312.322.8016
dwhstler@metrarr.com

PLAN	SURVIVED	DATE
NOTE BOOK NO.	PLOTTED	BY
	GRADES CHECKED	
	RIGHT OF WAY CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	CADD FILE NAME	

PROFILE	SURVIVED	DATE
NOTE BOOK NO.	PLOTTED	BY
	GRADES CHECKED	
	RIGHT OF WAY CHECKED	
	STRUCTURE NOTATIONS CHECKED	

MODEL: SH0DELNAMRES
FILE NAME: ...13276_NTS.dgn



Two Pierce Place, Suite 1400
Itasca, Illinois 60143
Tel: 630.773.3900 Fax: 630.773.3975
www.civiltechinc.com

DESIGNED -	JRR	REVISED -	
DRAWN -	TGB	REVISED -	
CHECKED -	KRK	REVISED -	
DATE -	1/03/2019	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES

SHEET 2 OF 2 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1262	17-00103-00-PV	LAKE	93	3
CONTRACT NO. 61F47				
ILLINOIS FED. AID PROJECT				

PLAN	DATE	BY
	NO.	
PROFILE	DATE	BY
	NO.	

DATE	BY

SPECIALTY ITEM	SPECIAL PROVISION	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
						NON-PARTICIPATING 0043	0005 ROADWAY
X		20101000	TEMPORARY FENCE	FOOT	3444		3444
	X	20101100	TREE TRUNK PROTECTION	EACH	5		5
X	X	20101200	TREE ROOT PRUNING	EACH	51		51
X		20101300	TREE PRUNING (1 TO 10 INCH DIAMETER)	EACH	22		22
X		20101350	TREE PRUNING (OVER 10 INCH DIAMETER)	EACH	29		29
		20200100	EARTH EXCAVATION	CU YD	885		885
		20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	320		320
		20800150	TRENCH BACKFILL	CU YD	274	219	55
		21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	366		366
		21101505	TOPSOIL EXCAVATION AND PLACEMENT	CU YD	520		520
		21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	750		750
X		25000400	NITROGEN FERTILIZER NUTRIENT	POUND	38		38
X		25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	38		38
X		25200110	SODDING, SALT TOLERANT	SQ YD	2898		2898
X		25200200	SUPPLEMENTAL WATERING	UNIT	10		10
		28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	63		63
		28000305	TEMPORARY DITCH CHECKS	FOOT	32		32
		28000400	PERIMETER EROSION BARRIER	FOOT	217		217
		28000510	INLET FILTERS	EACH	54		54
		28001100	TEMPORARY EROSION CONTROL BLANKET	SQ YD	2902		2902
X		30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	122		122
X		30300112	AGGREGATE SUBGRADE IMPROVEMENT 12"	SQ YD	2858		2858
		35101600	AGGREGATE BASE COURSE, TYPE B 4"	SQ YD	1722		1722
		35101800	AGGREGATE BASE COURSE, TYPE B 6"	SQ YD	195		195

MODEL: C:\PROGRAMS\CIVILTECH\17-00103-PV\SUR_01.dwg
FILE NAME: 17-00103-PV\SUR_01.dwg

CIVILTECH
Two Pierce Place, Suite 1400
Itasca, Illinois 60143
Tel: 630.773.3900 Fax: 630.773.3975
www.civiltechinc.com

DESIGNED -	JRR	REVISED -	
DRAWN -	TGB	REVISED -	
CHECKED -	KRK	REVISED -	
DATE -	1/03/2019	REVISED -	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SHEET 1 OF 7 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1262	17-00103-00-PV	LAKE	93	4
CONTRACT NO. 61F47			ILLINOIS FED. AID PROJECT	

PLAN	REVISED	DATE
	BY	
NOTE BOOK NO.	STANDARD CHECKED	
	RY. OF WAY CHECKED	
	GRID FILE NAME	

PROFILE	REVISED	DATE
	BY	
NOTE BOOK NO.	STANDARD CHECKED	
	STRUCTURE NOTATION CHECKED	

SPECIALTY ITEM	SPECIAL PROVISION	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
						NON-PARTICIPATING 0043	0005 ROADWAY
		55100400	STORM SEWER REMOVAL 10"	FOOT	161		161
		55100500	STORM SEWER REMOVAL 12"	FOOT	91		91
		55101200	STORM SEWER REMOVAL 24"	FOOT	2		2
X	X	56103000	DUCTILE IRON WATER MAIN 6"	FOOT	129	129	
X	X	56103100	DUCTILE IRON WATER MAIN 8"	FOOT	279	279	
X	X	56104900	WATER VALVES 6"	EACH	3	3	
X	X	56105000	WATER VALVES 8"	EACH	5	5	
X	X	56400820	FIRE HYDRANT WITH AUXILIARY VALVE AND VALVE BOX	EACH	3	3	
		60200105	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	EACH	10		10
		60203805	CATCH BASINS, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, OPEN LID	EACH	2		2
		60206905	CATCH BASINS, TYPE C, TYPE 1 FRAME, OPEN LID	EACH	2		2
		60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	2		2
		60234200	INLETS, TYPE A, TYPE 1 FRAME, OPEN LID	EACH	6		6
X	X	60248900	VALVE VAULTS, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	8	8	
		60253000	CATCH BASINS TO BE RECONSTRUCTED WITH NEW TYPE 1 FRAME, OPEN LID	EACH	1		1
		60255800	MANHOLES TO BE ADJUSTED WITH NEW TYPE 1 FRAME, CLOSED LID	EACH	2		2
X		60403800	LIDS, TYPE 1, CLOSED LID	EACH	2		2
		60500040	REMOVING MANHOLES	EACH	1		1
		60500050	REMOVING CATCH BASINS	EACH	6		6
		60500060	REMOVING INLETS	EACH	15		15
X	X	60500405	FILLING VALVE VAULTS	EACH	4	4	
		60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	2703		2703
		60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	104		104
X	X	66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	50		50

MODEL: SRODELMARKS
FILE NAME: 11276 SUR 01.dwg

CIVILTECH
Two Pierce Place, Suite 1400
Itasca, Illinois 60143
Tel: 630.773.3900 Fax: 630.773.3975
www.civiltechinc.com

DESIGNED -	JRR	REVISED -	
DRAWN -	TGB	REVISED -	
CHECKED -	KRK	REVISED -	
DATE -	1/03/2019	REVISED -	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SHEET 3 OF 7 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1262	17-00103-00-PV	LAKE	93	6
CONTRACT NO. 61F47				
ILLINOIS FED. AID PROJECT				

PLAN	REVISIONS	DATE
	NO.	
NOTE BOOK	NO.	
	NO.	
BY	DATE	
	DATE	
CHECKED	DATE	
	DATE	
DATE	DATE	
	DATE	

PROFILE	REVISIONS	DATE
	NO.	
NOTE BOOK	NO.	
	NO.	
BY	DATE	
	DATE	
CHECKED	DATE	
	DATE	
DATE	DATE	
	DATE	

SPECIALTY ITEM	SPECIAL PROVISION	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
						NON-PARTICIPATING 0043	0005 ROADWAY
X	X	66900400	SPECIAL WASTE GROUNDWATER DISPOSAL	GALLON	1000		1000
X		66900530	SOIL DISPOSAL ANALYSIS	EACH	1		1
X	X	66901001	REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	L SUM	1		1
X	X	66901002	ON-SITE MONITORING OF REGULATED SUBSTANCES	CAL DA	7		7
X		66901003	REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	L SUM	1		1
		67100100	MOBILIZATION	L SUM	1		1
		70107025	CHANGEABLE MESSAGE SIGN	CAL DA	168		168
		70300100	SHORT TERM PAVEMENT MARKING	FOOT	4718		4718
		70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	1573		1573
		70300210	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS	SQ FT	232		232
		70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	564		564
		70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	207		207
		70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	305		305
		70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	150		150
	X	70300904	PAVEMENT MARKING TAPE, TYPE IV 4"	FOOT	208		208
X		78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	232		232
X		78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	564		564
X		78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	207		207
X		78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	647		647
X		78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	258		258
X		81028220	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	16		16
X	X	85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1		1
X		87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	49		49
X		87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	56		56

MODEL: SRODELMARIS
FILE NAME: 1726_SDR_01.dwg



Two Pierce Place, Suite 1400
Itasca, Illinois 60143
Tel: 630.773.3900 Fax: 630.773.3975
www.civiltechinc.com

DESIGNED -	JRR	REVISED -	
DRAWN -	TGB	REVISED -	
CHECKED -	KRK	REVISED -	
DATE -	1/03/2019	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SHEET 4 OF 7 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1262	17-00103-00-PV	LAKE	93	7
CONTRACT NO. 61F47				
ILLINOIS FED. AID PROJECT				

PLAN	REVIEWED	DATE
	BY	
NOTE BOOK NO.	ALSO CHECKED	
	RTY. OF WAY CHECKED	
	CADD FILE NAME	

PROFILE	REVIEWED	DATE
	BY	
NOTE BOOK NO.	ALSO CHECKED	
	STRUCTURE NOTATIONS CHECKED	

SPECIALTY ITEM	SPECIAL PROVISION	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
						NON-PARTICIPATING 0043	0005 ROADWAY
X		87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	22		22
X		87502500	TRAFFIC SIGNAL POST, GALVANIZED STEEL 10 FT.	EACH	1		1
X		87800100	CONCRETE FOUNDATION, TYPE A	FOOT	4		4
X		87900200	DRILL EXISTING HANDHOLE	EACH	1		1
X		88600100	DETECTOR LOOP, TYPE I	FOOT	198		198
X		89500200	RELOCATE EXISTING PEDESTRIAN SIGNAL HEAD	EACH	1		1
X		89500400	RELOCATE EXISTING PEDESTRIAN PUSH-BUTTON	EACH	1		1
X		89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	79		79
X	X	89502376	REBUILD EXISTING HANDHOLE	EACH	1		1
X		A2000320	TREE, ACER MIYABEI MORTON (STATE STREET MIYABE MAPLE), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	3		3
X	X	X0300558	SANITARY SEWER REMOVAL AND REPLACEMENT 8"	FOOT	84	84	
X	X	X0324878	ADJUSTING SANITARY SEWER SERVICE LINE	EACH	3	3	
X	X	X0325003	REMOVE EXISTING VALVE AND VAULT	EACH	2	2	
X	X	X0327078	REMOVE FIRE HYDRANT AND VALVE ASSEMBLY	EACH	3	3	
X	X	X0327123	CURED-IN-PLACE PIPE LINER, 8"	FOOT	68	68	
X		X0327980	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	50		50
X		X1700021	BRICK PAVER REMOVAL AND REINSTALLATION, SPECIAL	SQ FT	40		40
X		X2130010	EXPLORATION TRENCH, SPECIAL	FOOT	200		200
X		X4021000	TEMPORARY ACCESS (PRIVATE ENTRANCE)	EACH	14		14
X		X4023000	TEMPORARY ACCESS (ROAD)	EACH	2		2
X		X4401198	HOT-MIX ASPHALT SURFACE REMOVAL (VARIABLE DEPTH)	SQ YD	125		125
X		X4405030	LONGITUDINAL PARTIAL DEPTH REMOVAL 3"	FOOT	750		750
X		X4420900	LONGITUDINAL PARTIAL DEPTH PATCHING	TON	42		42
X	X	X5610004	DUCTILE IRON WATER MAIN FITTINGS	POUND	2140	2140	

MODEL: 600DESKAMES
FILE NAME: 132716_SUM_03.dwg



Two Pierce Place, Suite 1400
Itasca, Illinois 60143
Tel: 630.773.3900 Fax: 630.773.3975
www.civiltechinc.com

DESIGNED - JRR	REVISED -
DRAWN - TGB	REVISED -
CHECKED - KRK	REVISED -
DATE - 1/03/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES		
SHEET 5 OF 7 SHEETS		

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1262	17-00103-00-PV	LAKE	93	8
CONTRACT NO. 61F47				
ILLINOIS FED. AID PROJECT				

PLAN	DATE	BY
	____	____
PROFILE	DATE	BY
	____	____

SUBMITTED BY: _____ DATE: _____ CHECKED BY: _____ DATE: _____ REVISIONS NO. _____ DATE _____	SUBMITTED BY: _____ DATE: _____ CHECKED BY: _____ DATE: _____ REVISIONS NO. _____ DATE _____
--	--

SPECIALTY ITEM	SPECIAL PROVISION	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
						NON-PARTICIPATING 0043	0005 ROADWAY
	X	Z0056606	STORM SEWER (WATER MAIN REQUIREMENTS) 10 INCH	FOOT	21		21
	X	Z0056608	STORM SEWER (WATER MAIN REQUIREMENTS) 12 INCH	FOOT	250		250
	X	Z0073510	TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1		1
<input type="radio"/>	X	Z0076600	TRAINEES	HOUR	500		500
<input type="radio"/>	X	Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	HOUR	500		500

DENOTES CONSTRUCTION TYPE CODE 0042

MODEL: SH01E1M4N6S
FILE NAME: 170319_01.dwg



Two Pierce Place, Suite 1400
Itasca, Illinois 60143
Tel: 630.773.3900 Fax: 630.773.3975
www.civiltechinc.com

DESIGNED - JRR	REVISED -
DRAWN - TGB	REVISED -
CHECKED - KRK	REVISED -
DATE - 1/03/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

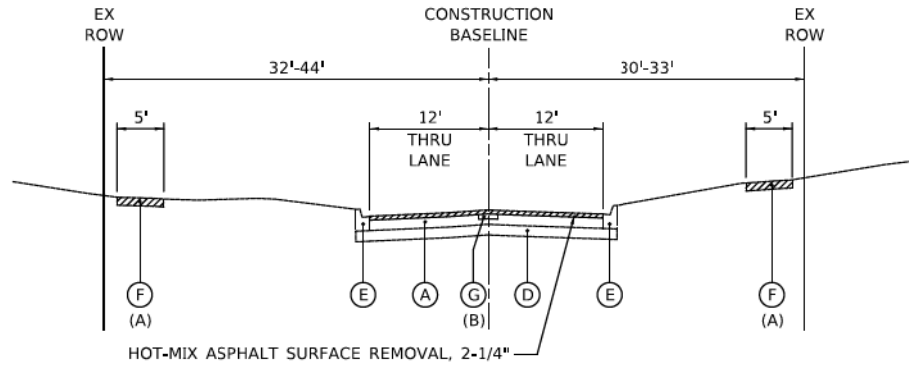
SUMMARY OF QUANTITIES

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1762	17-00103-00-PV	LAKE	93	10
CONTRACT NO. 61F47			ILLINOIS FED. AID PROJECT	

DATE	
BY	
REVISIONS	
NO.	
DESCRIPTION	
DATE	
BY	
REVISIONS	
NO.	
DESCRIPTION	
DATE	
BY	
REVISIONS	
NO.	
DESCRIPTION	

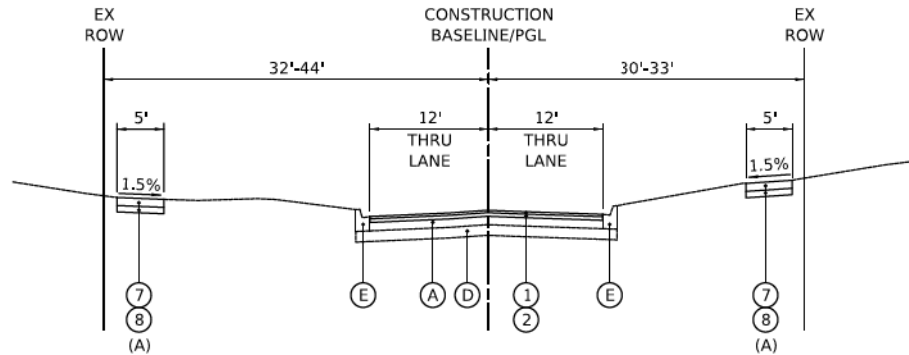
DATE	
BY	
REVISIONS	
NO.	
DESCRIPTION	
DATE	
BY	
REVISIONS	
NO.	
DESCRIPTION	
DATE	
BY	
REVISIONS	
NO.	
DESCRIPTION	

MODEL: SH06LNAME5
FILE NAME: ...3276_Typical.dgn

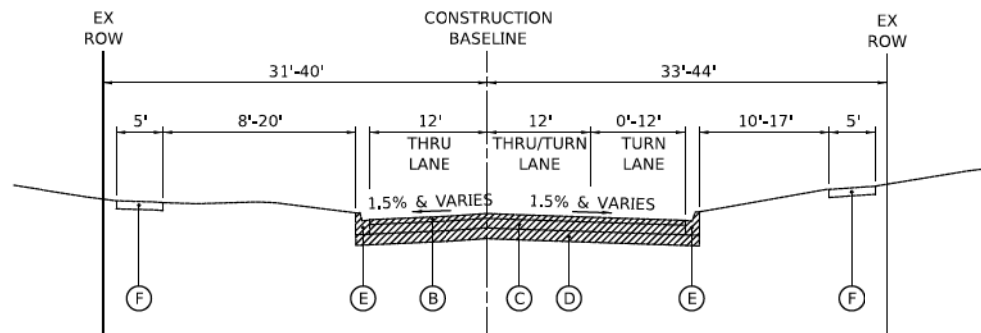


EXISTING TYPICAL SECTION
GREENWOOD AVENUE STA. 10+33.86 TO STA. 50+06.11
(A) SEE ROADWAY PLANS FOR LOCATIONS OF SPOT REPAIRS
(B) LOCATION TO BE DETERMINED IN THE FIELD BY THE ENGINEER

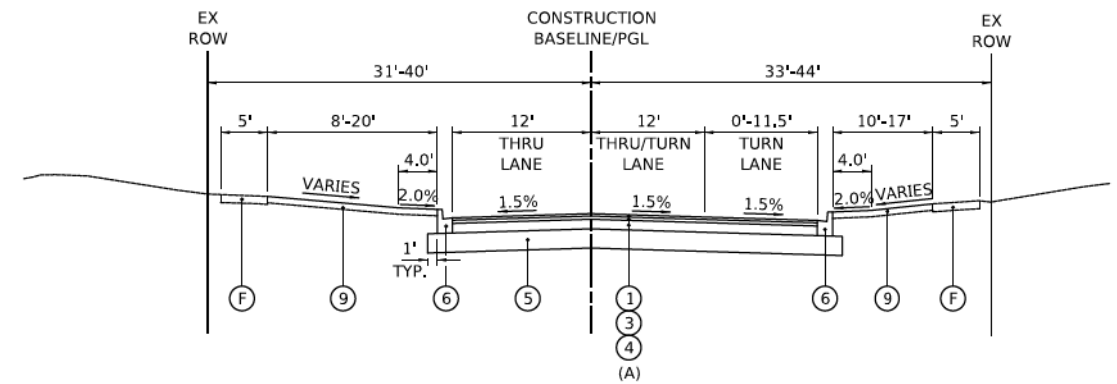
PROJECT OMISSION STA. 50+06.11 TO STA. 50+57.27



PROPOSED TYPICAL SECTION
GREENWOOD AVENUE STA. 10+33.86 TO STA. 50+06.11
(A) SEE ROADWAY PLANS FOR LOCATIONS OF SPOT REPAIRS



EXISTING TYPICAL SECTION
GREENWOOD AVENUE STA. 50+57.27 TO STA. 57+51.75



PROPOSED TYPICAL SECTION
GREENWOOD AVENUE STA. 50+57.27 TO STA. 57+51.75
(A) PAID FOR AS HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 9 1/2"

LEGEND

- (A) EXISTING HOT-MIX ASPHALT PAVEMENT, THICKNESS VARIES FROM 8-1/2" TO 10-3/4" (SEE NOTE 1)
- (B) EXISTING HOT-MIX ASPHALT PAVEMENT, THICKNESS VARIES FROM 2" TO 3" (SEE NOTE 1)
- (C) EXISTING PORTLAND CEMENT CONCRETE PAVEMENT, 6" (SEE NOTE 1)
- (D) EXISTING AGGREGATE SUBGRADE, THICKNESS VARIES FROM 4" TO 13" (SEE NOTE 1)
- (E) EXISTING CURB AND GUTTER, TYPE B-6.12
- (F) EXISTING PORTLAND CEMENT CONCRETE SIDEWALK
- (G) LONGITUDINAL PARTIAL DEPTH PATCHING, 3" (LOCATION TO BE DETERMINED IN FIELD BY ENGINEER)
- REMOVAL ITEM
- ① PROPOSED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50; 1-1/2"
- ② PROPOSED LEVELING BINDER (MACHINE METHOD), N50; 3/4"
- ③ PROPOSED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50; 2-1/4"
- ④ PROPOSED HOT-MIX ASPHALT BASE COURSE; 5-3/4"
- ⑤ PROPOSED AGGREGATE SUBGRADE IMPROVEMENT 12"
- ⑥ PROPOSED COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
- ⑦ PROPOSED PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH OR PROPOSED PORTLAND CEMENT CONCRETE SIDEWALK 6 INCH (THROUGH DRIVEWAYS)
- ⑧ PROPOSED AGGREGATE BASE COURSE, TYPE B 4"
- ⑨ PROPOSED TOPSOIL PLACEMENT 4" (SEE NOTE ON LANDSCAPING PLANS FOR PAY ITEMS) AND PROPOSED SODDING, SALT TOLERANT

HOT-MIX ASPHALT MIXTURE REQUIREMENTS

PAY ITEM	PERCENT AIR VOIDS @ Ndes.
FULL-DEPTH PAVEMENT, 9-1/2"	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL 9.5mm); 1-1/2"	4% @ 50 GYR.
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50; 2-1/4"	4% @ 50 GYR.
HOT-MIX ASPHALT BASE COURSE (HMA BINDER IL-19 MM); 5-3/4"	4% @ 50 GYR.
RESURFACING	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL 9.5mm); 1-1/2"	4% @ 50 GYR.
LEVELING BINDER (MACHINE METHOD), N50 (IL 9.5mm); 3/4"	4% @ 50 GYR.
CLASS D PATCHES, 10"	
CLASS D PATCH (HMA BINDER IL-19 MM); 10"	4% @ 70 GYR.
CLASS D PATCHES, SPECIAL	
HMA SURFACE COURSE, MIX D, N70, (IL-9.5mm); 2"	4% @ 70 GYR.
HMA BINDER COURSE, IL-19.0, N70, 8"	4% @ 70 GYR.
DRIVEWAYS	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL 9.5mm); 3"	4% @ 50 GYR.
LONGITUDINAL PARTIAL DEPTH PATCHING; 3"	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL 9.5mm); 3"	4% @ 50 GYR.

1. THE UNIT WEIGHT USED TO CALCULATE ALL HOT-MIX ASPHALT SURFACE MIXTURES IS 112 LB/SY-IN.
2. THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISIONS.
3. FOR HMA FULL DEPTH "AC TYPE" SEE SPECIAL PROVISIONS.
4. FOR USE OF RECYCLED MATERIALS SEE SPECIAL PROVISIONS.
5. WITHIN THE RESURFACING SECTION, LONGITUDINAL JOINT SEALANT SHALL BE PLACED BELOW THE SURFACE COURSE.

NOTES

1. REFERENCE ROADWAY GEOTECHNICAL REPORT PREPARED BY MIDLAND STANDARD ENGINEERING AND TESTING, INC DATED FEBRUARY 2018

CIVILTECH
Two Pierce Place, Suite 1400
Itasca, Illinois 60143
Tel: 630.773.3900 Fax: 630.773.3975
www.civiltechinc.com

DESIGNED - JRR	REVISED -
DRAWN - TGB	REVISED -
CHECKED - KRK	REVISED -
DATE - 1/03/2019	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

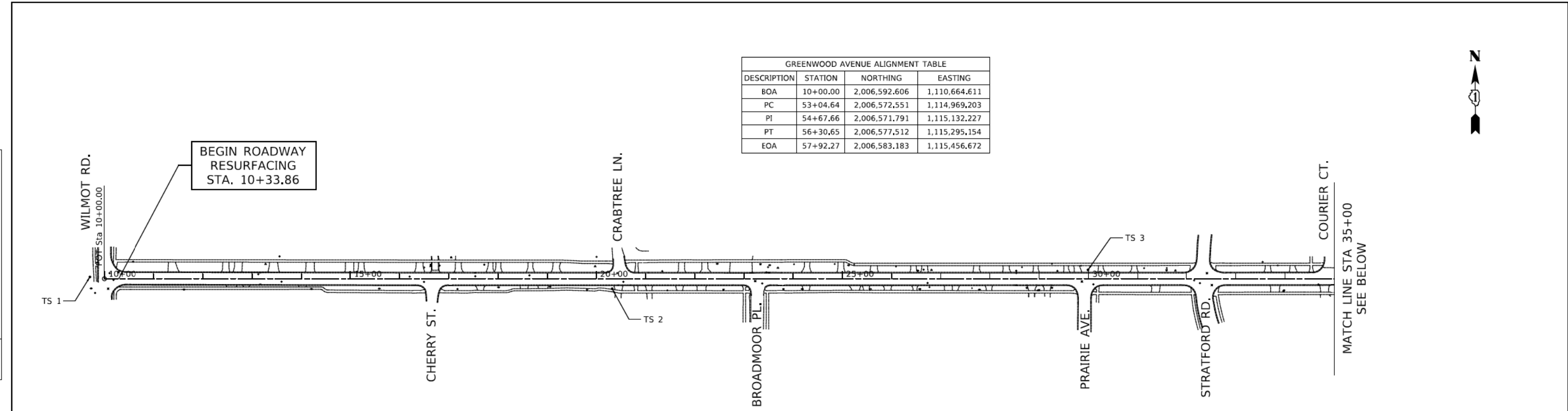
TYPICAL SECTIONS

SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1262	17-00103-00-PV	LAKE	93	11
CONTRACT NO. 61F47				
ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	DATE
	PLOTTED	BY
	CHECKED	
	NOTED	
	FILED	
	NO. _____	

PROFILE	SURVEYED	DATE
	PLOTTED	BY
	CHECKED	
	NOTED	
	FILED	
	NO. _____	

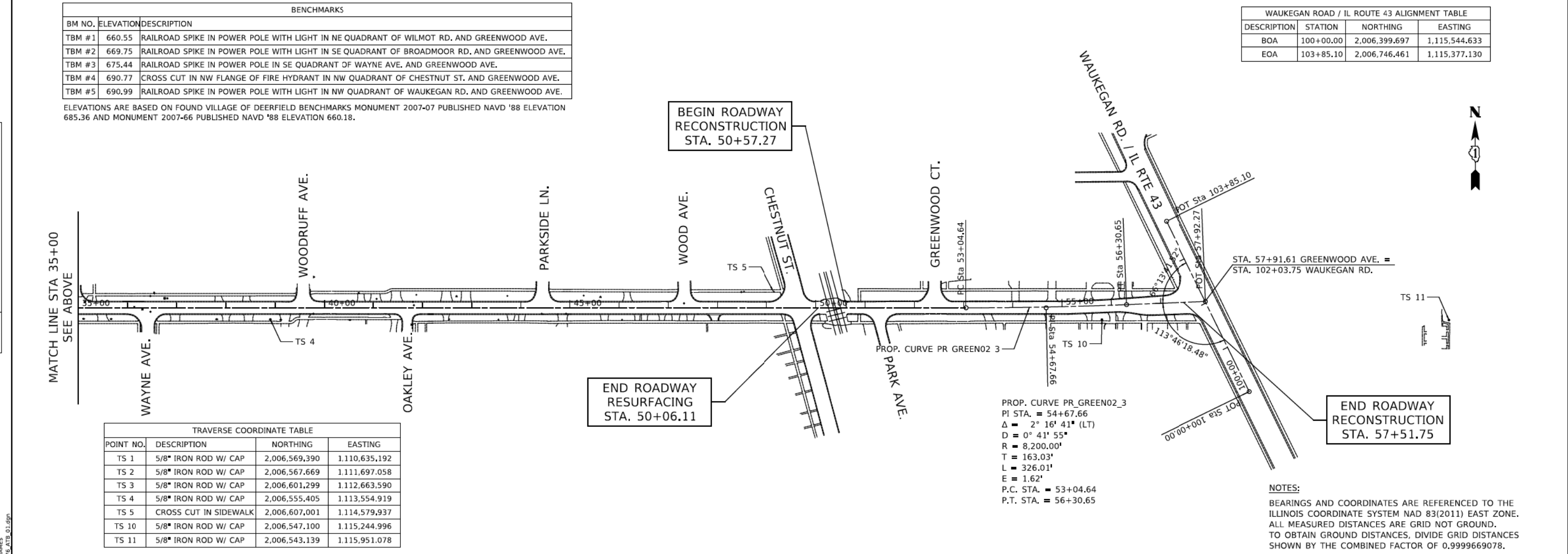


DESCRIPTION	STATION	NORTHING	EASTING
BOA	10+00.00	2,006,592.606	1,110,664.611
PC	53+04.64	2,006,572.551	1,114,969.203
PI	54+67.66	2,006,571.791	1,115,132.227
PT	56+30.65	2,006,577.512	1,115,295.154
EOA	57+92.27	2,006,583.183	1,115,456.672

BM NO.	ELEVATION	DESCRIPTION
TBM #1	660.55	RAILROAD SPIKE IN POWER POLE WITH LIGHT IN NE QUADRANT OF WILMOT RD. AND GREENWOOD AVE.
TBM #2	669.75	RAILROAD SPIKE IN POWER POLE WITH LIGHT IN SE QUADRANT OF BROADMOOR RD. AND GREENWOOD AVE.
TBM #3	675.44	RAILROAD SPIKE IN POWER POLE IN SE QUADRANT OF WAYNE AVE. AND GREENWOOD AVE.
TBM #4	690.77	CROSS CUT IN NW FLANGE OF FIRE HYDRANT IN NW QUADRANT OF CHESTNUT ST. AND GREENWOOD AVE.
TBM #5	690.99	RAILROAD SPIKE IN POWER POLE WITH LIGHT IN NW QUADRANT OF WAUKEGAN RD. AND GREENWOOD AVE.

ELEVATIONS ARE BASED ON FOUND VILLAGE OF DEERFIELD BENCHMARKS MONUMENT 2007-07 PUBLISHED NAVD '88 ELEVATION 685.36 AND MONUMENT 2007-66 PUBLISHED NAVD '88 ELEVATION 660.18.

DESCRIPTION	STATION	NORTHING	EASTING
BOA	100+00.00	2,006,399.697	1,115,544.633
EOA	103+85.10	2,006,746.461	1,115,377.130



POINT NO.	DESCRIPTION	NORTHING	EASTING
TS 1	5/8" IRON ROD W/ CAP	2,006,569.390	1,110,635.192
TS 2	5/8" IRON ROD W/ CAP	2,006,567.669	1,111,697.058
TS 3	5/8" IRON ROD W/ CAP	2,006,601.299	1,112,663.590
TS 4	5/8" IRON ROD W/ CAP	2,006,555.405	1,113,554.919
TS 5	CROSS CUT IN SIDEWALK	2,006,607.001	1,114,579.937
TS 10	5/8" IRON ROD W/ CAP	2,006,547.100	1,115,244.996
TS 11	5/8" IRON ROD W/ CAP	2,006,543.139	1,115,951.078

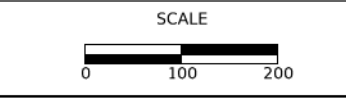
PROP. CURVE PR GREEN02_3
 PI STA. = 54+67.66
 $\Delta = 2^\circ 16' 41"$ (LT)
 $D = 0^\circ 41' 55"$
 $R = 8,200.00'$
 $T = 163.03'$
 $L = 326.01'$
 $E = 1.62'$
 P.C. STA. = 53+04.64
 P.T. STA. = 56+30.65

NOTES:
 BEARINGS AND COORDINATES ARE REFERENCED TO THE ILLINOIS COORDINATE SYSTEM NAD 83(2011) EAST ZONE. ALL MEASURED DISTANCES ARE GRID NOT GROUND. TO OBTAIN GROUND DISTANCES, DIVIDE GRID DISTANCES SHOWN BY THE COMBINED FACTOR OF 0.9999669078.

CIVILTECH
 Two Pierce Place, Suite 1400
 Itasca, Illinois 60143
 Tel: 630.773.3900 Fax: 630.773.3975
 www.civiltechinc.com

DESIGNED -	JRR	REVISED -	
DRAWN -	TGB	REVISED -	
CHECKED -	KRK	REVISED -	
DATE -	1/03/2019	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



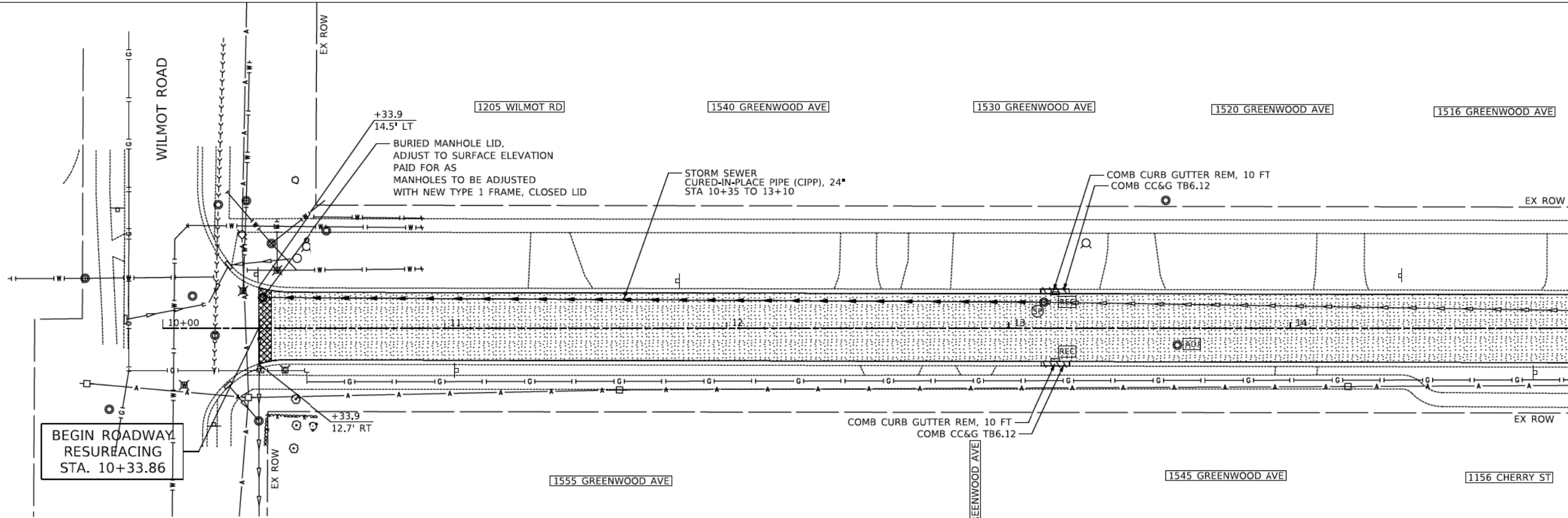
ALIGNMENT, TIES, AND BENCHMARKS	
SHEET 1 OF 1 SHEETS	STA. 10+33.86 TO STA. 57+92.27

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1262	17-00103-00-PV	LAKE	93	12
CONTRACT NO. 61F47				
ILLINOIS FED. AID PROJECT				

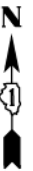
MODEL: SH06LNAME5
 FILE NAME: ...13276_ATB_01.dgn

PLAN	SURVISED	DATE
	PLOTTED	
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	NOTE BOOK NO.	
	CADD FILE NAME	

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



MATCH LINE STA 15+00
SEE BELOW

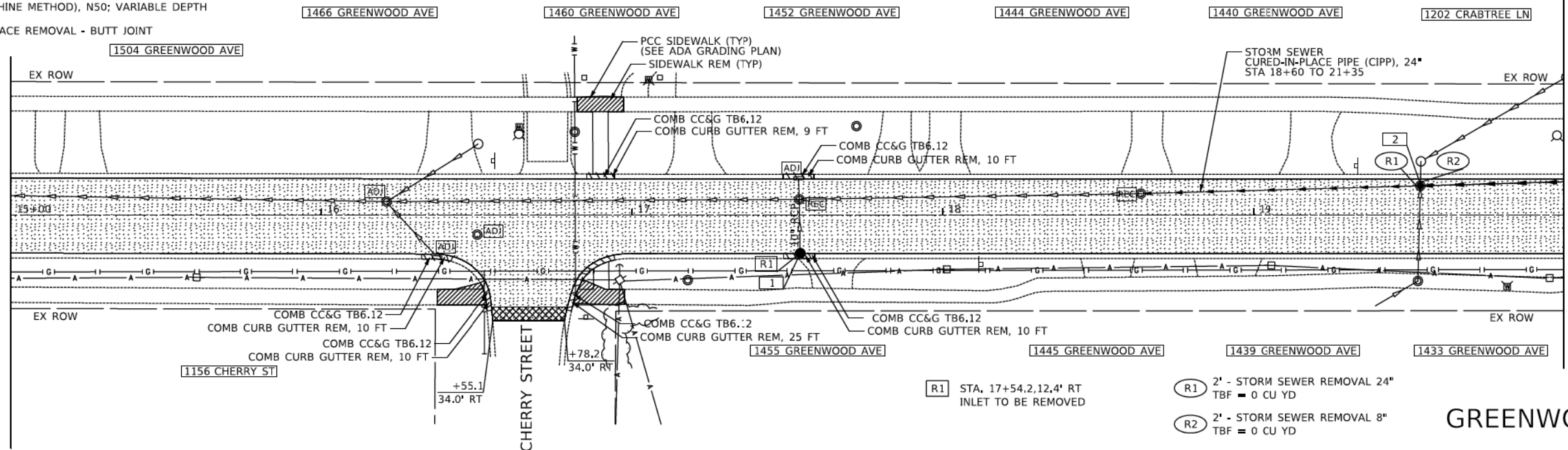


LEGEND

- [ADJ]** DRAINAGE & UTILITY STRUCTURES TO BE ADJUSTED OR SANITARY MANHOLES TO BE ADJUSTED
- [REC]** DRAINAGE & UTILITY STRUCTURES TO BE RECONSTRUCTED OR SANITARY MANHOLES TO BE RECONSTRUCTED
- [R]** DRAINAGE & UTILITY STRUCTURES TO BE REMOVED
- [SP]** FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)
- [Dotted Pattern]** HOT-MIX ASPHALT SURFACE REMOVAL, 2-1/4" HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50; 1-1/2" LEVELING BINDER (MACHINE METHOD), N50; 3/4"
- [Diagonal Lines]** HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50; 1-1/2" LEVELING BINDER (MACHINE METHOD), N50; VARIABLE DEPTH
- [Cross-hatch]** HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT
- [Horizontal Lines]** SIDEWALK REMOVAL

- [1]** STA. 17+54.2, 12.4' RT
CB TC T1F OL
RIM = 663.50
INV = 661.15 (10" N)
- [2]** STA. 19+53.8, 9.4' LT
MAN TA 4 DIA T1F CL
RIM = 664.70
INV = 660.90 (8" N)
INV = 659.70 (24" E)
INV = 660.90 (8" S)
INV = 659.70 (24" W)
EXISTING BLIND CONNECTION TO BE EXPOSED WITH EXPLORATION TRENCH.

MATCH LINE STA 15+00
SEE ABOVE



MATCH LINE STA 20+00
SEE SHEET NO 14



- [R1]** STA. 17+54.2, 12.4' RT
INLET TO BE REMOVED
- (R1)** 2' - STORM SEWER REMOVAL 24"
TBF = 0 CU YD
- (R2)** 2' - STORM SEWER REMOVAL 8"
TBF = 0 CU YD

GREENWOOD AVENUE



Two Pierce Place, Suite 1400
Itasca, Illinois 60143
Tel: 630.773.3900 Fax: 630.773.3975
www.civiltechinc.com

DESIGNED -	JRR	REVISED -	
DRAWN -	TGB	REVISED -	
CHECKED -	KRK	REVISED -	
DATE -	1/03/2019	REVISED -	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**



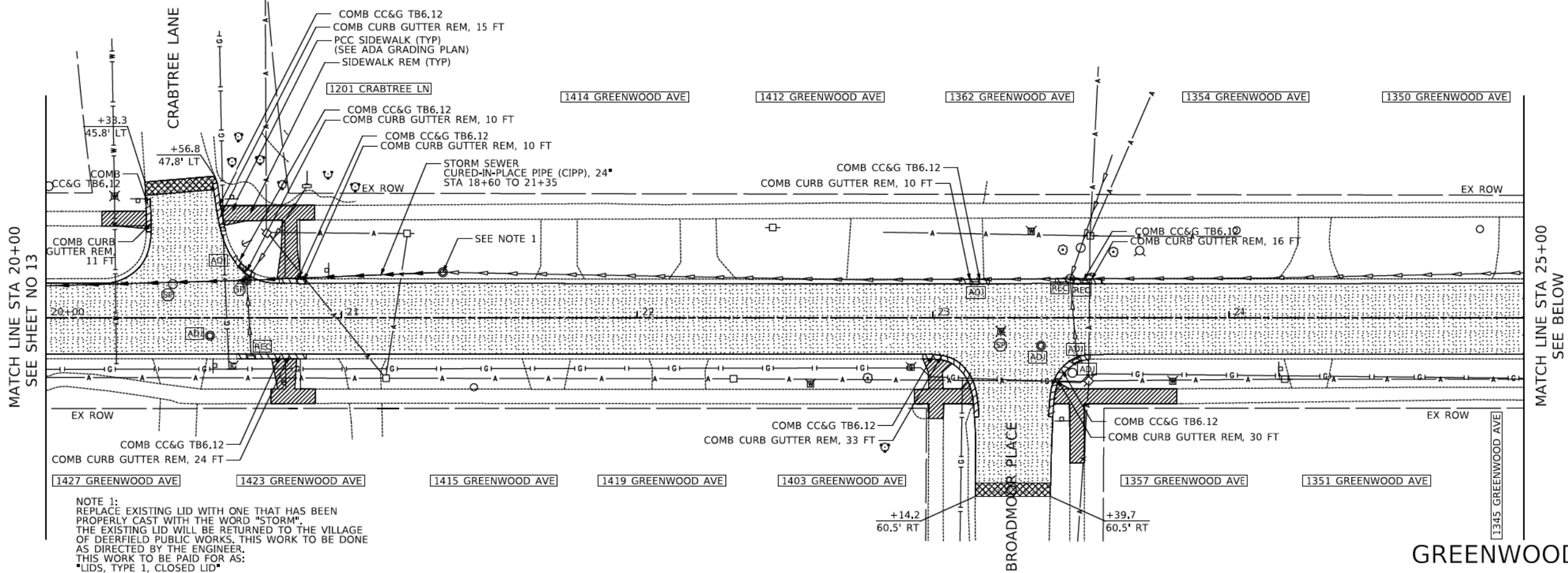
RESURFACING PLAN

SHEET 1 OF 4 SHEETS STA. 10+33.86 TO STA. 20+00.0

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1262	17-00103-00-PV	LAKE	93	13
CONTRACT NO. 61F47				
ILLINOIS FED. AID PROJECT				

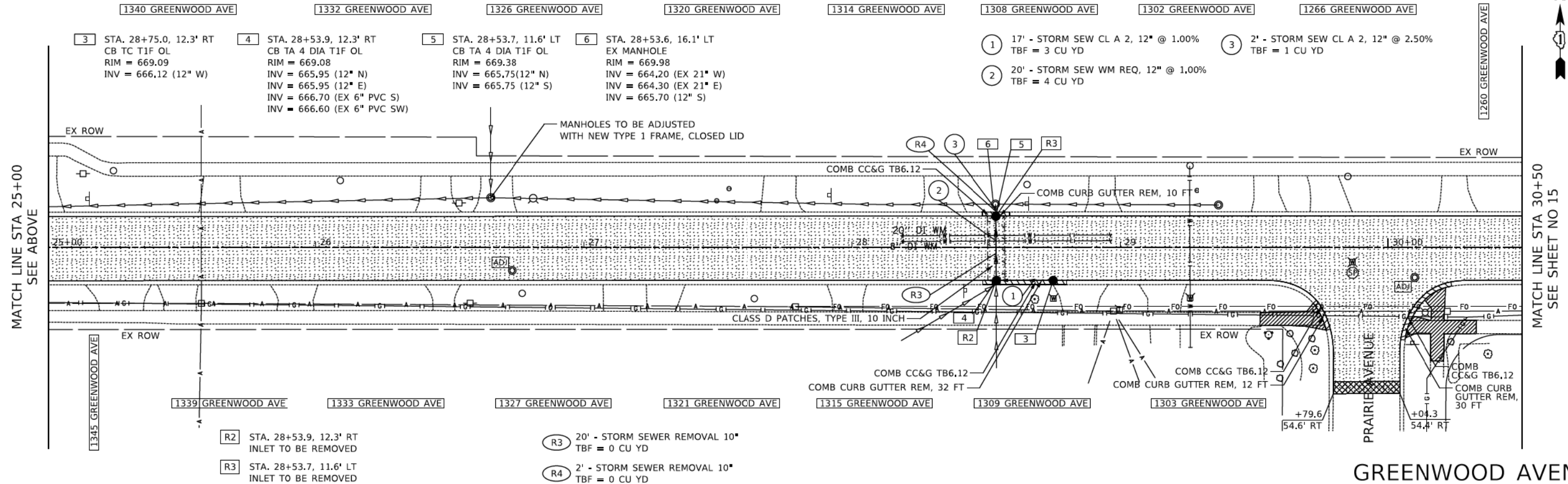
MODEL: SH06LNAME5
FILE NAME: ...13278_Resurfacing_01.dgn

PLAN	DRAWN	DATE
NOTED	BY	
PLOTTED		
FILED		
DATE		
BY		
NO.		
NO.		
NO.		
NO.		



NOTE 1:
 REPLACE EXISTING LID WITH ONE THAT HAS BEEN PROPERLY CAST WITH THE WORD "STORM". THE EXISTING LID WILL BE RETURNED TO THE VILLAGE OF DEERFIELD PUBLIC WORKS. THIS WORK TO BE DONE AS DIRECTED BY THE ENGINEER. THIS WORK TO BE PAID FOR AS:
 ■ LIDS, TYPE 1, CLOSED LID

PROFILE	DRAWN	DATE
NOTED	BY	
PLOTTED		
FILED		
DATE		
BY		
NO.		
NO.		
NO.		
NO.		



- 3 STA. 28+75.0, 12.3' RT
CB TC T1F OL
RIM = 669.09
INV = 666.12 (12" W)
- 4 STA. 28+53.9, 12.3' RT
CB TA 4 DIA T1F OL
RIM = 669.08
INV = 665.95 (12" N)
INV = 665.95 (12" E)
INV = 666.70 (EX 6" PVC S)
INV = 666.60 (EX 6" PVC SW)
- 5 STA. 28+53.7, 11.6' LT
CB TA 4 DIA T1F OL
RIM = 669.38
INV = 665.75 (12" N)
INV = 665.75 (12" S)
- 6 STA. 28+53.6, 16.1' LT
EX MANHOLE
RIM = 669.98
INV = 664.20 (EX 21" W)
INV = 664.30 (EX 21" E)
INV = 665.70 (12" S)

- 1 17' - STORM SEW CL A 2, 12" @ 1.00%
TBF = 3 CU YD
- 2 20' - STORM SEW WM REQ, 12" @ 1.00%
TBF = 4 CU YD
- 3 2' - STORM SEW CL A 2, 12" @ 2.50%
TBF = 1 CU YD

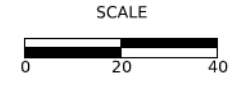
- R2 STA. 28+53.9, 12.3' RT
INLET TO BE REMOVED
- R3 STA. 28+53.7, 11.6' LT
INLET TO BE REMOVED
- R3 20' - STORM SEWER REMOVAL 10"
TBF = 0 CU YD
- R4 2' - STORM SEWER REMOVAL 10"
TBF = 0 CU YD



Two Pierce Place, Suite 1400
 Itasca, Illinois 60143
 Tel: 630.773.3900 Fax: 630.773.3975
 www.civiltechinc.com

DESIGNED	- JRR	REVISED	-
DRAWN	- TGB	REVISED	-
CHECKED	- KRK	REVISED	-
DATE	- 1/03/2019	REVISED	-

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION



RESURFACING PLAN

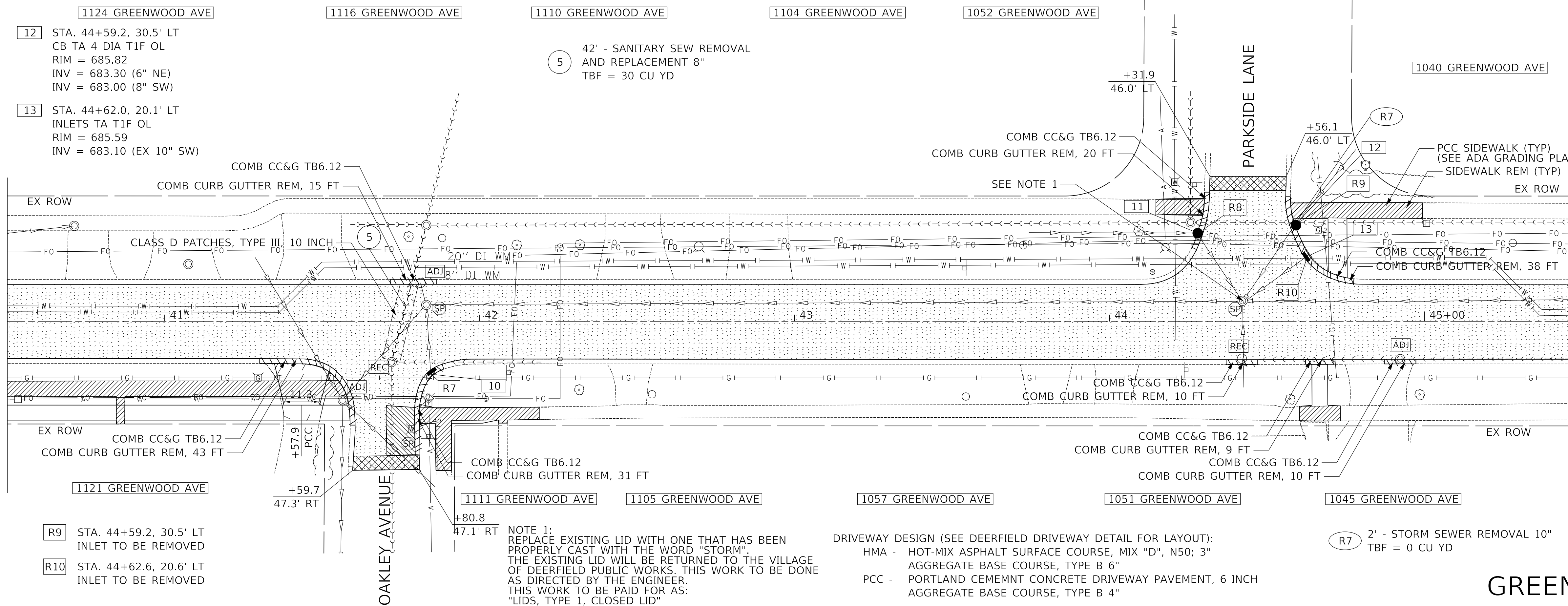
SHEET 2 OF 4 SHEETS STA. 20+00.0 TO STA. 30+50.0

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1262	17-00103-00-PV	LAKE	93	14
CONTRACT NO. 61F47				
ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	DATE
	PLOTTED	BY
	ALIGNMENT CHECKED	
	NOTE BOOK	
	NO.	

- 10 STA. 41+84.4, 15.5' RT
INLETS TA T1F OL
RIM = 682.48
INV = 680.30 (10" N)
- 11 STA. 44+27.9
CB TA 4 DIA T1F OL
RIM = 685.57
INV = 683.00 (12" SE)
INV = 683.60 (8" W)
- 12 STA. 44+59.2, 30.5' LT
CB TA 4 DIA T1F OL
RIM = 685.82
INV = 683.30 (6" NE)
INV = 683.00 (8" SW)
- 13 STA. 44+62.0, 20.1' LT
INLETS TA T1F OL
RIM = 685.59
INV = 683.10 (EX 10" SW)

MATCH LINE STA 40+50
SEE SHEET NO 15



- R7 STA. 41+84.4, 15.5' RT
INLET TO BE REMOVED
- R8 STA. 44+27.9, 27.8' LT
INLET TO BE REMOVED
- R9 STA. 44+59.2, 30.5' LT
INLET TO BE REMOVED
- R10 STA. 44+62.6, 20.6' LT
INLET TO BE REMOVED

NOTE 1:
REPLACE EXISTING LID WITH ONE THAT HAS BEEN PROPERLY CAST WITH THE WORD "STORM". THE EXISTING LID WILL BE RETURNED TO THE VILLAGE OF DEERFIELD PUBLIC WORKS. THIS WORK TO BE DONE AS DIRECTED BY THE ENGINEER. THIS WORK TO BE PAID FOR AS: "LIDS, TYPE 1, CLOSED LID"

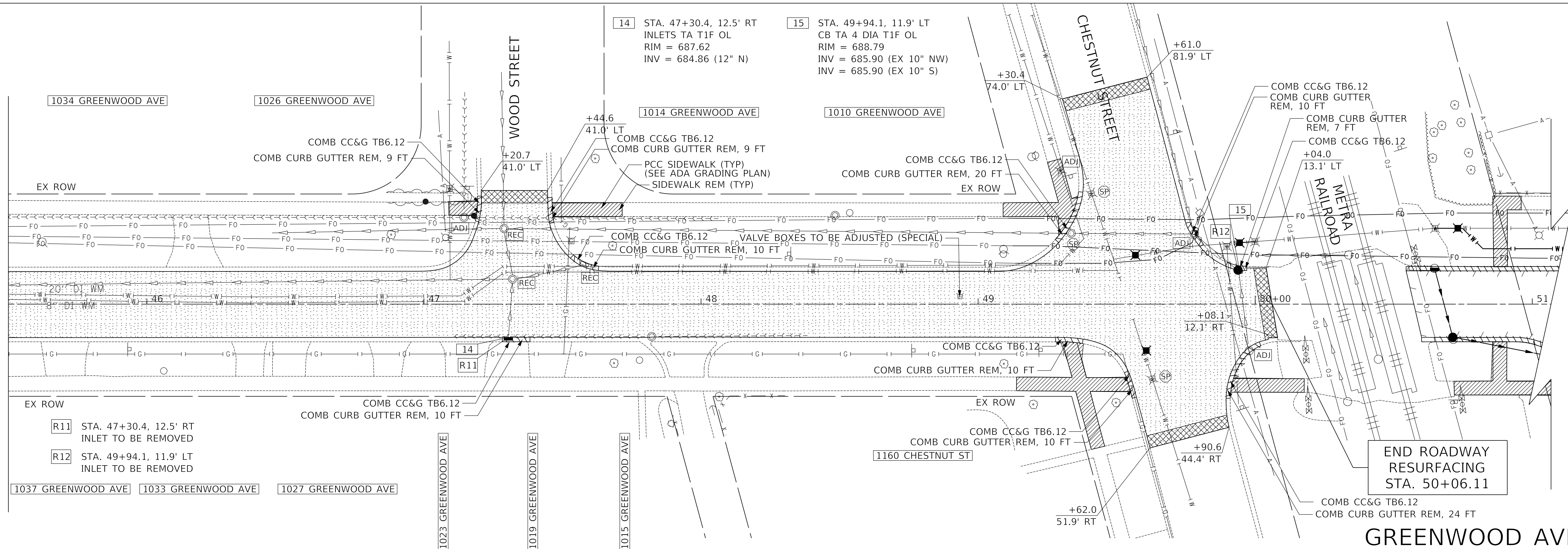
DRIVEWAY DESIGN (SEE DEERFIELD DRIVEWAY DETAIL FOR LAYOUT):
HMA - HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50; 3"
AGGREGATE BASE COURSE, TYPE B 6"
PCC - PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH AGGREGATE BASE COURSE, TYPE B 4"

- R7 2' - STORM SEWER REMOVAL 10"
TBF = 0 CU YD

GREENWOOD AVENUE

PROFILE	SURVEYED	DATE
	PLOTTED	BY
	GRADES CHECKED	
	NOTE BOOK	
	NO.	

MATCH LINE STA 45+50
SEE ABOVE

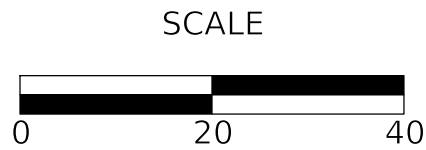


- R11 STA. 47+30.4, 12.5' RT
INLET TO BE REMOVED
- R12 STA. 49+94.1, 11.9' LT
INLET TO BE REMOVED

END ROADWAY RESURFACING
STA. 50+06.11

GREENWOOD AVENUE

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



RESURFACING PLAN

SHEET 4 OF 4 SHEETS STA. 40+50.0 TO STA. 50+50.0

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1262	17-00103-00-PV	LAKE	93	16
				CONTRACT NO. 61F47
				ILLINOIS FED. AID PROJECT



Two Pierce Place, Suite 1400
Itasca, Illinois 60143
Tel: 630.773.3900 Fax: 630.773.3975
www.civiltechinc.com

DESIGNED -	JRR	REVISED -	
DRAWN -	TGB	REVISED -	
CHECKED -	KRK	REVISED -	
DATE -	1/03/2019	REVISED -	

MODEL: SPODELNAMEN
FILE NAME: ...13276 Resurfacing_01.dgn

PLAN	SURVEYED	DATE
	PLOTTED	BY
	ALIGNMENT CHECKED	
	NOTE BOOK	
	NO.	
	CADD FILE NAME	

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

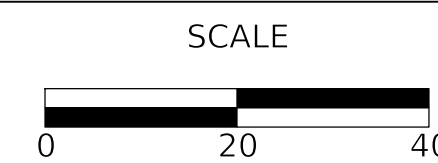
MODEL: SPODELINAMES
FILE NAME: ...13276 Removal_01.dgn



Two Pierce Place, Suite 1400
Itasca, Illinois 60143
Tel: 630.773.3900 Fax: 630.773.3975
www.civiltechinc.com

DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE - 1/03/2019	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

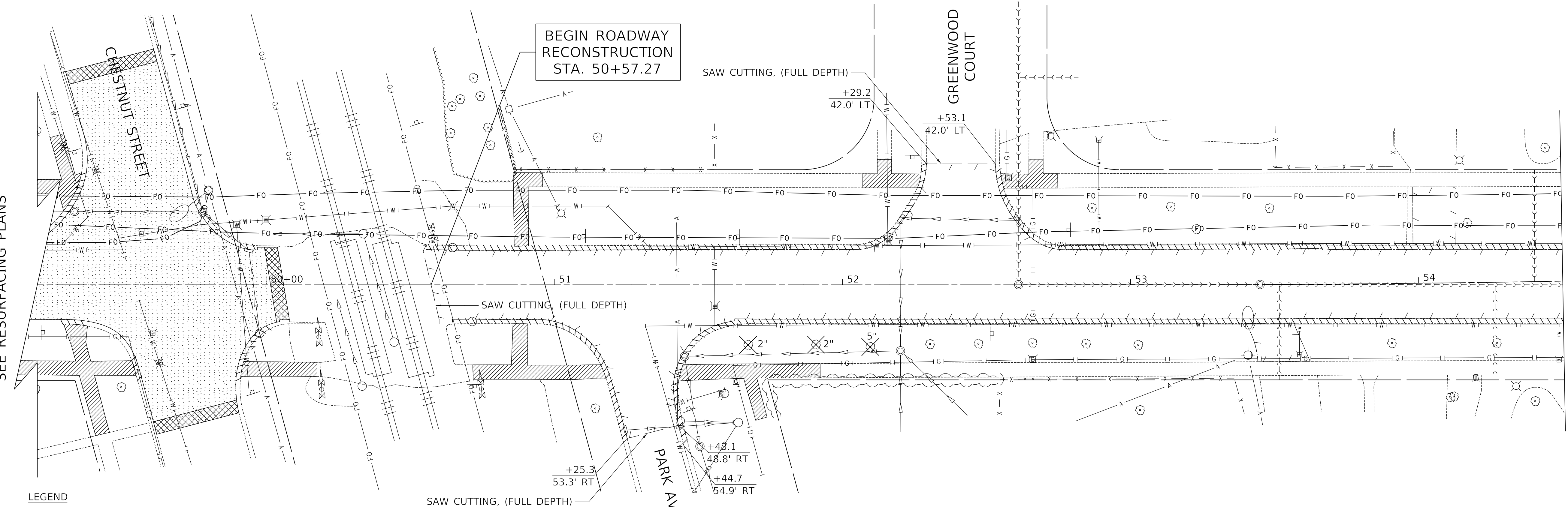


RECONSTRUCTION REMOVAL PLAN

SHEET 1 OF 1 SHEETS STA. 50+57.27 TO STA. 57+51.75

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1262	17-00103-00-PV	LAKE	93	17
CONTRACT NO. 61F47				
ILLINOIS FED. AID PROJECT				

SEE RESURFACING PLANS

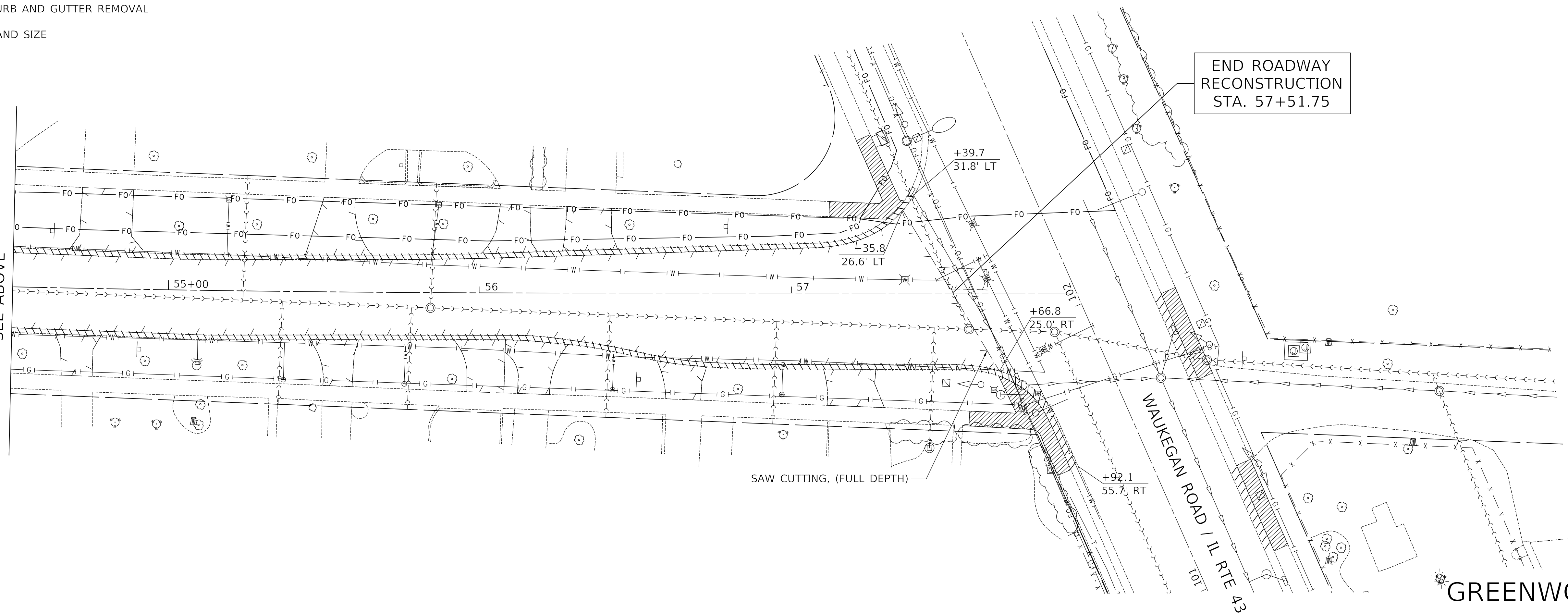


LEGEND

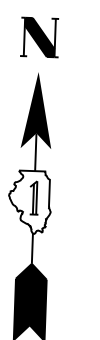
- PAVEMENT REMOVAL OR DRIVEWAY PAVEMENT REMOVAL
- SIDEWALK REMOVAL
- COMBINATION CURB AND GUTTER REMOVAL
- XX" TREE REMOVAL AND SIZE

GREENWOOD AVENUE

MATCH LINE STA 54+50
SEE ABOVE



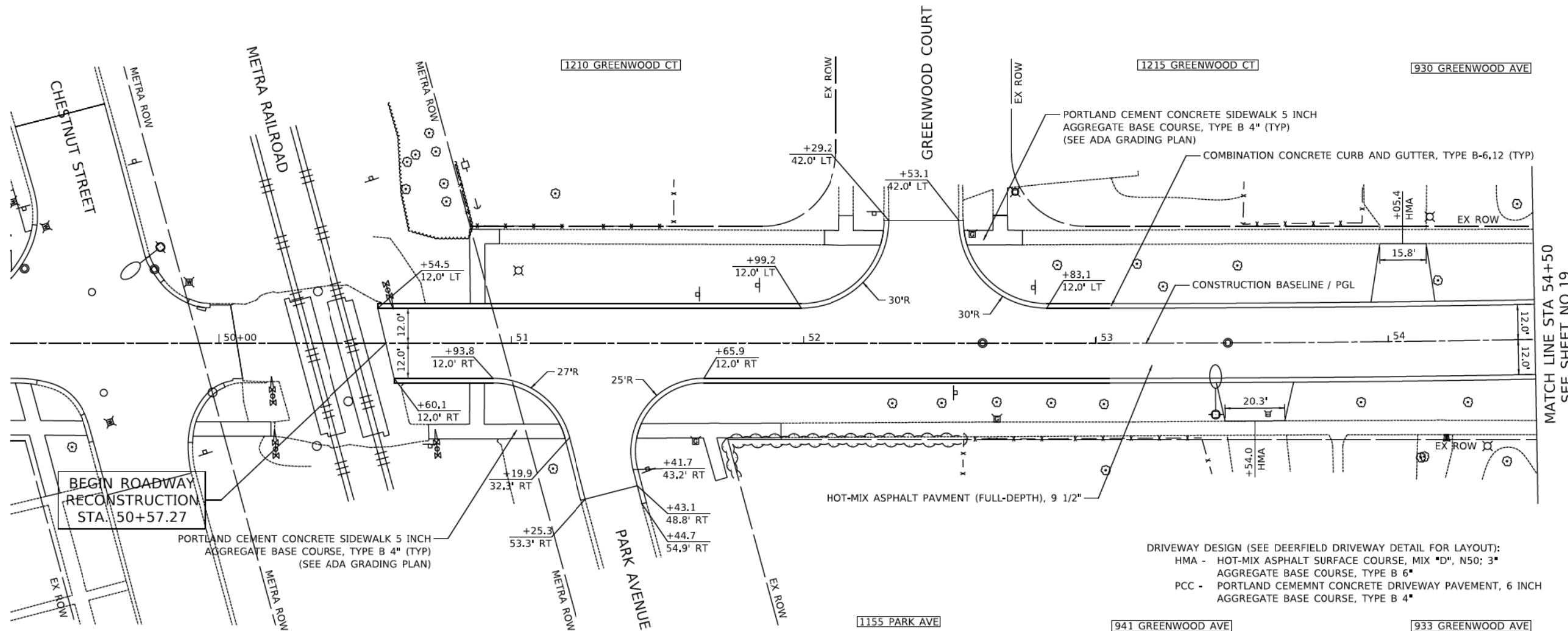
GREENWOOD AVENUE





PLAN	SUBMITTED	DATE
	PLOTTED	
	NOTED	
	BY	
	NO.	
	FILE NAME	

PROFILE	SUBMITTED	DATE
	PLOTTED	
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	NO.	
	FILE NAME	



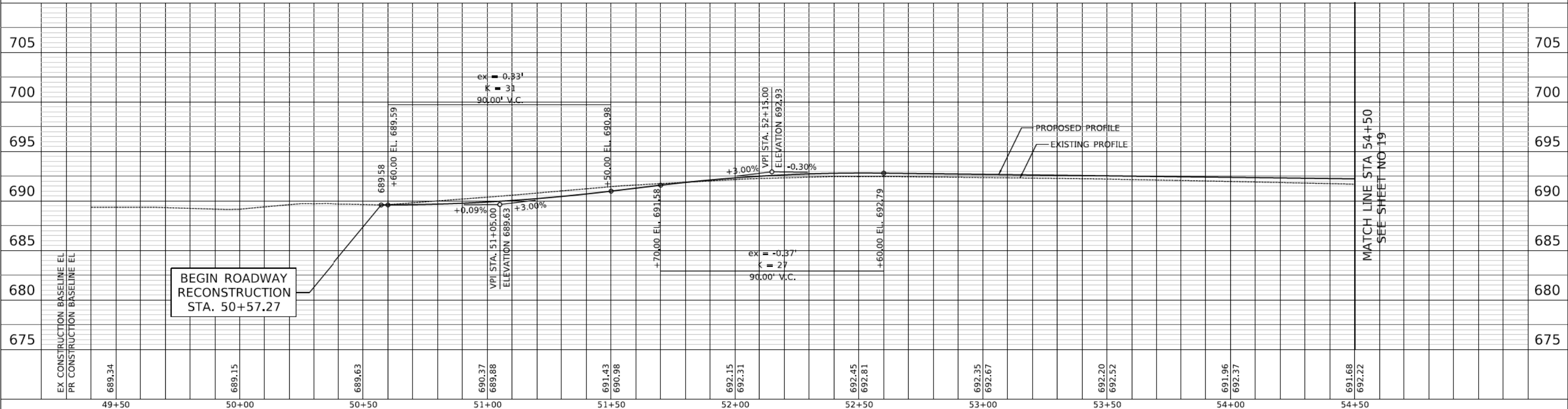
MATCH LINE STA 54+50
SEE SHEET NO 19

BEGIN ROADWAY RECONSTRUCTION STA. 50+57.27

PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH
AGGREGATE BASE COURSE, TYPE B 4" (TYP)
(SEE ADA GRADING PLAN)

DRIVEWAY DESIGN (SEE DEERFIELD DRIVEWAY DETAIL FOR LAYOUT):
HMA - HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50; 3"
AGGREGATE BASE COURSE, TYPE B 6"
PCC - PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH
AGGREGATE BASE COURSE, TYPE B 4"

GREENWOOD AVENUE



BEGIN ROADWAY RECONSTRUCTION STA. 50+57.27

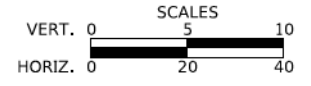
MATCH LINE STA 54+50
SEE SHEET NO 19

MODEL: SH01DELNAMER
FILE NAME: ...13276_PP_01.dgn

CIVILTECH
Two Pierce Place, Suite 1400
Itasca, Illinois 60143
Tel: 630.773.3900 Fax: 630.773.3975
www.civiltechinc.com

DESIGNED -	REVISD -
DRAWN -	REVISD -
CHECKED -	REVISD -
DATE - 1/03/2019	REVISD -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**



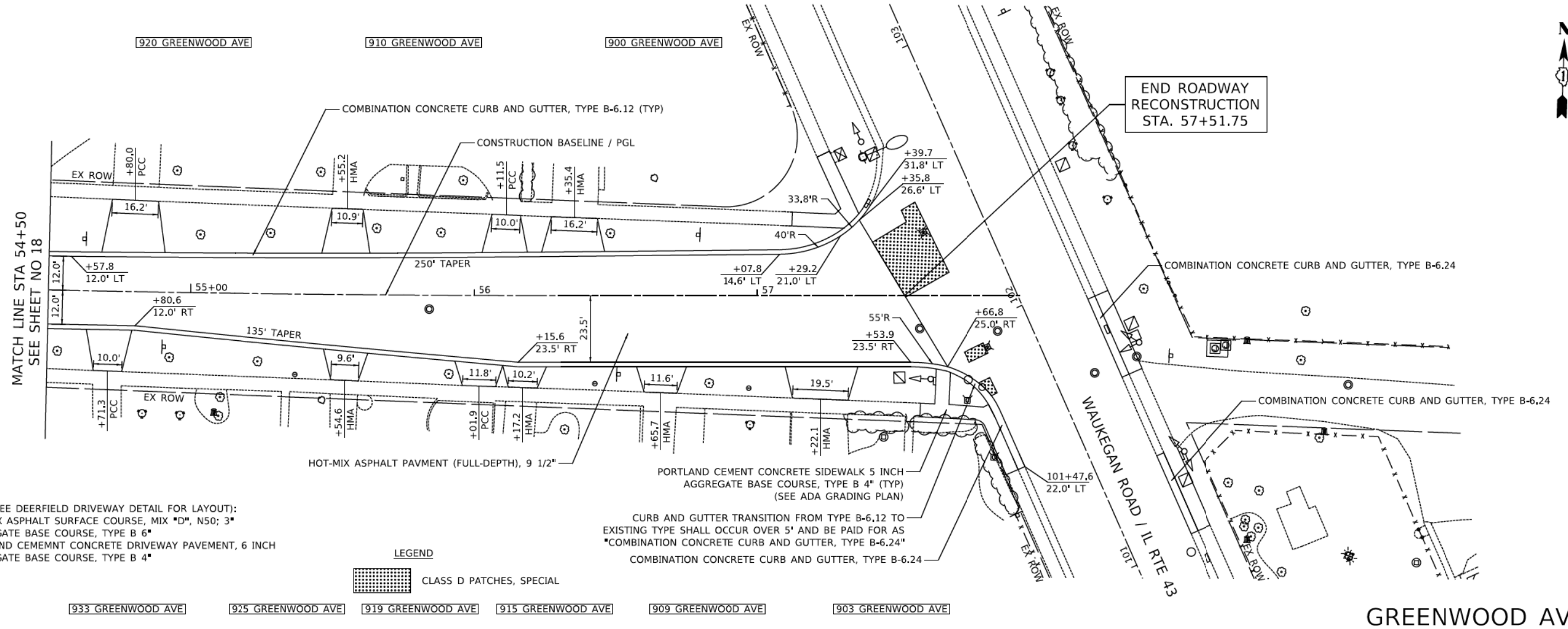
RECONSTRUCTION PLAN & PROFILE

SHEET 1 OF 2 SHEETS STA. 50+57.27 TO STA. 54+50.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1262	17-00103-00-PV	LAKE	93	18
CONTRACT NO. 61F47				
ILLINOIS FED. AID PROJECT				

DATE	
BY	
PLAN	
DATE	
BY	
PROFILE	
DATE	
BY	

DATE	
BY	
PROFILE	
DATE	
BY	



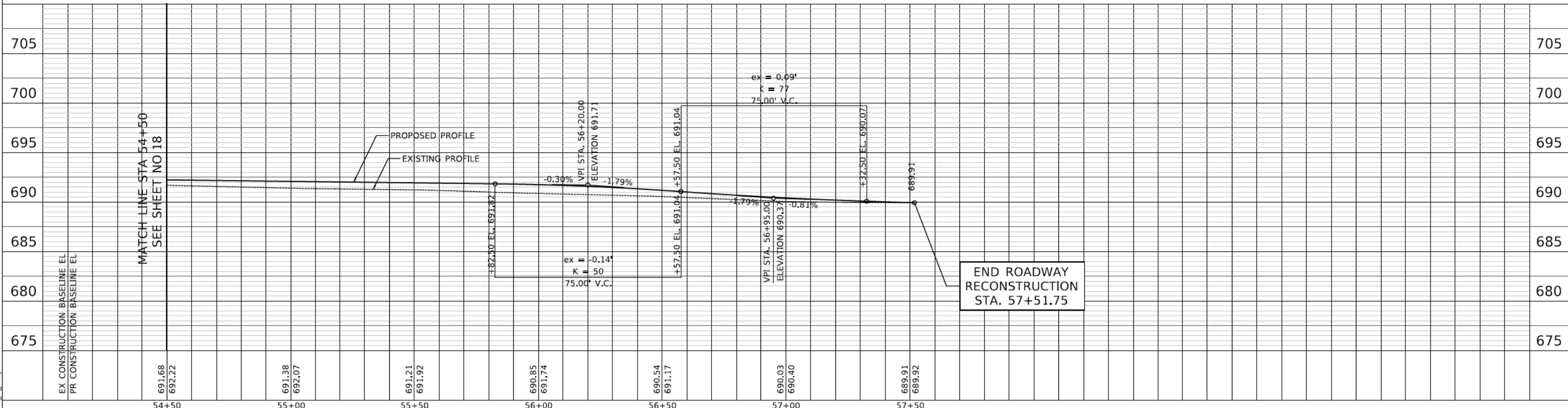
DRIVEWAY DESIGN (SEE DEERFIELD DRIVEWAY DETAIL FOR LAYOUT):
 HMA - HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50; 3"
 AGGREGATE BASE COURSE, TYPE B 6"
 PCC - PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH
 AGGREGATE BASE COURSE, TYPE B 4"

LEGEND
 CLASS D PATCHES, SPECIAL

CURB AND GUTTER TRANSITION FROM TYPE B-6.12 TO EXISTING TYPE SHALL OCCUR OVER 5' AND BE PAID FOR AS "COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24"

933 GREENWOOD AVE 925 GREENWOOD AVE 919 GREENWOOD AVE 915 GREENWOOD AVE 909 GREENWOOD AVE 903 GREENWOOD AVE

GREENWOOD AVENUE

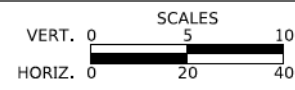


MODEL: SH06LNAME
 FILE NAME: ...13276_P0_01.dgn

CIVILTECH
 Two Pierce Place, Suite 1400
 Itasca, Illinois 60143
 Tel: 630.773.3900 Fax: 630.773.3975
 www.civiltechinc.com

DESIGNED -	REVISÉ -
DRAWN -	REVISÉ -
CHECKED -	REVISÉ -
DATE - 1/03/2019	REVISÉ -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION



RECONSTRUCTION PLAN & PROFILE

SHEET 2 OF 2 SHEETS STA. 54+50.00 TO STA. 57+51.75

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1262	17-00103-00-PV	LAKE	93	19
CONTRACT NO. 61F47				
ILLINOIS FED. AID PROJECT				

MAINTENANCE OF TRAFFIC GENERAL NOTES

1. NO WORK SHALL BEGIN UNTIL THE TRAFFIC CONTROL MEASURES ARE IN PLACE. THE CONTRACTOR SHALL AT ALL TIMES PROVIDE TRAFFIC PROTECTION BY THE APPLICATION OF TRAFFIC CONTROL DEVICES ACCORDING TO THE "STANDARD SPECIFICATIONS" AND AS SHOWN ON THE PLANS.
2. THE PERMANENT TRAFFIC CONTROL SHOWN ON THE PLANS IS THE MINIMUM REQUIREMENT. ADDITIONAL TRAFFIC CONTROL DEVICES AS SPECIFIED BY THE ABOVE HIGHWAY STANDARDS AND THE SPECIAL PROVISIONS SHALL BE PLACED BY THE CONTRACTOR TO THE SATISFACTION OF THE ENGINEER. ALL TRAFFIC CONTROL DEVICES SHALL BE CONSIDERED INCLUDED IN THE LUMP SUM PAY ITEM "TRAFFIC CONTROL AND PROTECTION, (SPECIAL)" UNLESS OTHERWISE SHOWN ON THE PLANS OR IN THE SPECIAL PROVISIONS.
3. ALL TRAFFIC CONTROL WARNING SIGNS AND ASSOCIATED SIGNING MOUNTED WITH THE WARNING SIGNS SHALL HAVE BLACK LEGENDS AND BORDERS ON FLUORESCENT ORANGE REFLECTIVE SHEETING.
4. ALL CONSTRUCTION SIGNS, BARRICADES AND OTHER DEVICES REQUIRED TO CONTROL TRAFFIC SHALL BE FURNISHED, INSTALLED AND MAINTAINED BY THE CONTRACTOR.
5. ALL TRAFFIC CONTROL DEVICES SHALL BE REMOVED, COVERED OR TURNED AWAY FROM TRAFFIC IMMEDIATELY WHEN THEY ARE NO LONGER NECESSARY. WHEN A SIGN IS COVERED, ITS POST SHALL HAVE A REFLECTIVE 3 INCH X 6 INCH DELINEATOR INSTALLED.
6. "ROAD CONSTRUCTION AHEAD" SIGNS SHALL BE EQUIPPED WITH MONO-DIRECTIONAL TYPE A AMBER FLASHING LIGHTS.
7. WHEN MILLED PAVEMENT IS OPEN TO TRAFFIC THE GRADE DIFFERENCE BETWEEN ADJACENT LANES SHALL BE LIMITED TO A MAXIMUM OF 1.5 INCHES. THE GRADE DIFFERENCE MAY BE INCREASED TO A MAXIMUM OF 3 INCHES WITH THE FOLLOWING
 - A 3:1 OR FLATTER SLOPE IS PROVIDED BETWEEN LANES.
 - WRITTEN APPROVAL FROM THE ENGINEER.
8. TRAFFIC CONTROL DEPICTED IN THESE PLANS AND THE APPLICABLE IDOT DETAILS AND STANDARDS ARE THE MINIMUM REQUIREMENTS. OTHER WORK OR SIGNING MAY BE REQUIRED BY THE ENGINEER. TRAFFIC CONTROL AND PROTECTION SHALL BE PERFORMED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS, DIVISION 700; APPLICABLE GUIDELINES IN THE ILLINOIS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS; AND APPLICABLE HIGHWAY STANDARDS FOR TRAFFIC CONTROL, UNLESS HEREIN REVISED.
9. THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND TRAFFIC CONTROL DEVICES SHALL FIT FIELD CONDITIONS AS DIRECTED BY THE ENGINEER.
10. ALL SIGNS SHALL BE MOUNTED ON METAL POSTS, 7 FEET ABOVE THE EXISTING GROUND AND DRIVEN A MINIMUM OF 3 FEET INTO THE GROUND. A J.U.L.I.E. LOCATE SHALL BE PERFORMED PRIOR TO THE INSTALLATION OF THE POSTS.
11. BARRICADES WITH MONO-DIRECTIONAL STEADY-BURN LIGHTS WILL BE REQUIRED ADJACENT TO PAVEMENT EDGES WHERE WIDENING, CURB AND GUTTER OR OVERLAYING WORK IS BEING DONE, AS SPECIFIED IN SECTION 701 OF THE STANDARD SPECIFICATIONS. SPACING SHALL BE AS SHOWN ON THE CONSTRUCTION STAGING PLANS UNLESS OTHERWISE DIRECTED BY THE ENGINEER. BARRICADES THAT MUST BE PLACED IN EXCAVATED AREAS SHALL HAVE LEG EXTENSIONS INSTALLED SUCH THAT THE TOPS OF THE BARRICADES ARE IN COMPLIANCE WITH THE HEIGHT REQUIREMENTS OF STANDARD 701901.
12. BARRICADES EQUIPPED WITH ONE-WAY FLASHING LIGHTS WILL BE REQUIRED AT ALL OPEN TRENCHES, EXCAVATIONS, OPEN OR EXPOSED SEWER STRUCTURES, AND AT ANY OTHER LOCATIONS DESIGNATED BY THE ENGINEER OR LAW ENFORCEMENT AGENCIES. BARRICADES SHALL BE PLACED AT 50' CENTERS ALONG TANGENTS, 25' ALONG TAPERS AND 10' AROUND RADII.
13. TYPE III BARRICADES ARE TO BE PLACED IN ACCORDANCE WITH STANDARD 701901 UNLESS AUTHORIZED BY THE ENGINEER TO USE AN ALTERNATE ARRANGEMENT.
14. THE CONTRACTOR SHALL INFORM THE ENGINEER OF ANY STAGE CHANGE AT LEAST TWO WEEKS IN ADVANCE OF THE CHANGE.
15. EXISTING TRAFFIC CONTROL SIGNS AND DEVICES SHALL BE REMOVED OR RELOCATED BY THE CONTRACTOR AFTER THE TRAFFIC CONTROL REQUIREMENTS ARE MET OR AS AUTHORIZED BY THE ENGINEER; ANY SIGNS OR DEVICES LEFT IN PLACE ARE TO BE PROTECTED FROM DAMAGE AND MAINTAINED. ANY DAMAGE CAUSED BY HIS WORK SHALL BE REPAIRED TO THE SATISFACTION OF THE ENGINEER AT THE EXPENSE OF THE CONTRACTOR.
16. THE FIRST TWO WARNING SIGNS IN EACH DIRECTION OF TRAVEL SHALL BE EQUIPPED WITH MONO-DIRECTIONAL AMBER FLASHING LIGHTS DURING HOURS OF DARKNESS. FLAGS ARE OPTIONAL.
17. EXCEPT FOR APPROVED CLOSURES AS DEPICTED ON THE MAINTENANCE OF TRAFFIC PLANS, ALL ROADS SHALL BE KEPT OPEN TO TRAFFIC DURING THE ENTIRE CONSTRUCTION PERIOD. THE CONTRACTOR MAY CLOSE ONE LANE OF TRAFFIC (BECAUSE OF CONSTRUCTION) ONLY BETWEEN THE HOURS OF 9:00 AM AND 3:00 PM.

WHEN NECESSARY TO CLOSE ONE LANE OF THE ROADWAY ON TWO-LANE ROADS, THE CONTRACTOR SHALL MAINTAIN TWO-WAY TRAFFIC DURING THE RESTRICTED HOURS WITH THE USE OF SIGNS AND FLAGGERS AS SHOWN ON THE TRAFFIC CONTROL STANDARDS. WHEN NECESSARY TO CLOSE ONE LANE OF THE ROADWAY ON FOUR-LANE ROADS, THE CONTRACTOR SHALL MAINTAIN TWO-WAY TRAFFIC DURING THE RESTRICTED HOURS WITH THE USE OF SIGNS AND BARRICADES AS SHOWN ON THE TRAFFIC CONTROL STANDARDS. ALL EXISTING LANES OF TRAFFIC IN EACH DIRECTION SHALL BE MAINTAINED BETWEEN 3:00 PM AND 9:00 AM WHEN NO CONSTRUCTION ACTIVITIES ARE BEING CARRIED ON. THE ENGINEER MAY WAIVE THE LANE CLOSURE TIME RESTRICTION AT HIS DISCRETION.
18. "WORKERS" SIGNS SHALL ONLY BE ERECTED WHEN WORKERS ARE PRESENT. SIGN MUST BE COVERED OR REMOVED WHEN NO WORKERS ARE PRESENT. THIS WORK SHALL BE INCLUDED IN THE COST OF "TRAFFIC CONTROL AND PROTECTION, (SPECIAL)".
19. THE CONTRACTOR SHALL ERECT TEMPORARY STREET NAME SIGNS ON METAL POSTS THROUGHOUT CONSTRUCTION TO THE SATISFACTION OF THE ENGINEER. THE COST OF THESE SIGNS SHALL BE INCLUDED IN THE PAY ITEM "TRAFFIC CONTROL AND PROTECTION, (SPECIAL)".
20. QUANTITIES FOR SHORT-TERM PAVEMENT MARKINGS, SHORT-TERM PAVEMENT MARKING REMOVAL, TEMPORARY PAVEMENT MARKINGS, AND TEMPORARY PAVEMENT MARKING REMOVAL ARE NOT INCLUDED IN THE ITEM "TRAFFIC CONTROL AND PROTECTION, (SPECIAL)" AND SHALL BE MEASURED SEPARATELY FOR PAYMENT.
21. THE "ROAD CLOSED" (R11-2) SIGNS SHALL BE MOUNTED ON THE TYPE III BARRICADES. ALL TYPE III BARRICADES SHALL HAVE 2 AMBER TYPE A- LOW INTENSITY FLASHING LIGHTS SPACED NEAR THE CENTERLINES OF THE SUPPORTS.
22. WHEN EXCAVATING ADJACENT TO TRAFFIC, DAILY LANE CLOSURES IN ACCORDANCE WITH THE IDOT HIGHWAY STANDARDS WILL BE ALLOWED BETWEEN THE HOURS OF 9:00 AM AND 3:00 PM.
23. WHEN WORKING ADJACENT TO THE ROAD AND UTILIZING DAILY LANE CLOSURES, DROP-OFFS ADJACENT TO THE TRAVEL LANES SHALL BE KEPT TO A MINIMUM, DROP-OFFS GREATER THAN 18" WILL NOT BE ALLOWED WHEN TRAFFIC IS PRESENT IN THE ADJACENT LANE. THE CONTRACTOR WILL BE REQUIRED TO PERFORM THE EXCAVATION REQUIRED FOR THE CONSTRUCTION DURING THE TIME THAT THE ADJACENT LANE IS CLOSED. AS NOTED ABOVE, PRIOR TO REOPENING THE LANE TO TRAFFIC THE CONTRACTOR SHALL PLACE SUFFICIENT MATERIAL TO REDUCE THE DROP-OFF TO LESS THAN 18". THE CONTRACTOR SHALL BE RESPONSIBLE TO DETERMINE THE AMOUNT OF WORK THAT CAN BE COMPLETED WITHIN THE TIME OF THE DAILY LANE CLOSURE. NO ADDITIONAL COMPENSATION SHALL BE ALLOWED TO COMPLY WITH THIS REQUIREMENT.
24. 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.
25. 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)".
26. SEE HIGHWAY STANDARDS AND DISTRICT ONE DETAILS FOR ADDITIONAL REQUIREMENTS AND INFORMATION.
27. DRIVEWAY ACCESS AND ACCESS TO SIDE ROADS SHALL BE MAINTAINED AT ALL TIMES THROUGH THE USE OF "TEMPORARY ACCESS (PRIVATE ENTRANCE)" AND "TEMPORARY ACCESS (ROAD)". AT THE DIRECTION OF THE ENGINEER, DRIVEWAYS MAY BE CLOSED FOR A MAXIMUM OF TWO WEEKS TO FACILITATE DRIVEWAY, SIDEWALK, AND CURB AND GUTTER CONSTRUCTION. THE CONTRACTOR SHALL WORK COOPERATIVELY WITH THE RESIDENTS AND ENGINEER TO ACCOMMODATE ACCESS THROUGHOUT THE PROJECT.
28. THE SIDEWALK ON ONE SIDE OF THE STREET MUST REMAIN OPEN AND ACCESSIBLE AT ALL TIMES, CONSTRUCTION STAGING SHALL BE COORDINATED WITH THE ENGINEER AND CONTRACTOR TO ENSURE ONE SIDEWALK REMAINS OPEN. SIGNING DIRECTING PEDESTRIANS TO THE OPEN SIDEWALK SHALL IN ACCORDANCE WITH IDOT HIGHWAY STANDARD 701801. THE WORK REQUIRED TO COMPLY WITH THESE REQUIREMENTS SHALL BE INCLUDED IN THE COST OF "TRAFFIC CONTROL AND PROTECTION, (SPECIAL)".

PLAN	DATE
SURVIVED PLOTTED GRADES CHECKED BY	BY
NOTE BOOK NO.	DATE
TRAFFIC CONTROL CHECKED BY	DATE
TRAFFIC CONTROL CHECKED BY	DATE

PROFILE	DATE
SURVIVED PLOTTED GRADES CHECKED BY	BY
NOTE BOOK NO.	DATE
TRAFFIC CONTROL CHECKED BY	DATE
TRAFFIC CONTROL CHECKED BY	DATE

MODEL: SH01DELNAM05
FILE NAME: ...030A - W0113276 - SOC - Notes.dgn



Two Pierce Place, Suite 1400
Itasca, Illinois 60143
Tel: 630.773.3900 Fax: 630.773.3975
www.civiltechinc.com

DESIGNED - JRR	REVISED -
DRAWN - TGB	REVISED -
CHECKED - KRK	REVISED -
DATE - 1/03/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

MAINTENANCE OF TRAFFIC - GENERAL NOTES	
SHEET 1 OF 2 SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1262	17-00103-00-PV	LAKE	93	20
CONTRACT NO. 61F47				
ILLINOIS FED. AID PROJECT				

SEQUENCE OF CONSTRUCTION NOTES

RECONSTRUCTION SECTION

GREENWOOD AVENUE - RAILROAD TRACKS TO IL ROUTE 43

THIS WORK MAY BE COMPLETED IN CONJUNCTION WITH WORK ITEMS FOR THE RESURFACING SECTION. SEE THE PROJECT SPECIFICATIONS FOR WORK RESTRICTIONS IN THE RECONSTRUCTION SECTION. THIS SECTION OF GREENWOOD AVENUE MUST HAVE ALL UNDERGROUND, SIDEWALK, CURB AND GUTTER AND PAVEMENT UP TO THE TOP OF BINDER COURSE CONSTRUCTED AND BE REOPENED TO TWO WAY TRAFFIC BY 11:59 PM ON AUGUST 16, 2019.

1. PLACE ALL CONSTRUCTION SIGNS AS SHOWN ON SHEET 22. CLOSE GREENWOOD AVENUE TO THRU TRAFFIC FROM CHESTNUT STREET TO IL ROUTE 43. IMPLEMENT DETOUR SHOWN ON SHEET 22.
2. INSTALL EROSION CONTROL MEASURES AND TREE PROTECTION. PERFORM TREE ROOT PRUNING AND TREE PRUNING. REMOVE TREES AS SHOWN ON THE PLANS.
3. CONSTRUCT WATERMAIN AND WATERMAIN LINING. CONSTRUCT STORM SEWERS AND DRAINAGE STRUCTURES. OPEN TRENCHES SHALL BE BACKFILLED TO THE EXISTING SURFACE ELEVATION WITH CA-7 PRIOR TO OPENING THE ROADWAY TO LOCAL TRAFFIC AT THE END OF EACH DAY. MATERIAL ABOVE THAT SHOWN ON THE TRENCH BACKFILL DETAIL AND ANY REMOVAL OF THAT MATERIAL TO ACCOMMODATE THE ROAD SUBBASE SHALL BE CONSIDERED INCLUDED IN THE COST OF "TEMPORARY ACCESS (ROAD)".
4. INSTALL NEW TRAFFIC SIGNALS AND RELOCATE POSTS AT THE INTERSECTION OF GREENWOOD AVENUE AND IL ROUTE 43.
5. CONSTRUCT CURB AND GUTTER, DRIVEWAYS, SIDEWALK, AND PAVEMENT TO THE TOP OF BINDER.
6. CONSTRUCT CURB RAMPS AT THE INTERSECTION OF GREENWOOD AVENUE AND IL ROUTE 43 AND ON THE EAST SIDE OF IL ROUTE 43 UTILIZING DAILY LANE CLOSURES IN ACCORDANCE WITH IDOT HIGHWAY STANDARDS 701606 AND 701701.
7. PLACE TEMPORARY PAVEMENT MARKINGS TO MATCH THE FINAL PAVEMENT MARKINGS AS SHOWN ON THE STRIPING PLAN.
8. OPEN GREENWOOD AVENUE TO TRAFFIC. TWO-WAY TRAFFIC SHALL BE MAINTAINED THROUGH THE USE OF FLAGGERS IN ACCORDANCE WITH IDOT HIGHWAY STANDARD 701501.
9. COMPLETE LANDSCAPING RESTORATION.
10. PLACE SURFACE COURSE.
11. INSTALL PERMANENT STRIPING.
12. REMOVE CONSTRUCTION SIGNS.

RESURFACING SECTION

GREENWOOD AVENUE - WILMOT ROAD TO RAILROAD TRACKS

THIS WORK MAY BE COMPLETED IN CONJUNCTION WITH WORK ITEMS FOR THE RECONSTRUCTION SECTION.

1. PLACE ALL ADVANCE CONSTRUCTION SIGNS ON GREENWOOD AVENUE AND SIDE STREETS PER IDOT HIGHWAY STANDARD 701501.
2. INSTALL EROSION CONTROL MEASURES AND TREE PROTECTION. PERFORM TREE ROOT PRUNING AND TREE PRUNING.
3. CONSTRUCT SANITARY SEWER REPLACEMENT AT OAKLEY AVENUE. CONSTRUCT STORM SEWERS AND DRAINAGE STRUCTURES WEST OF PRAIRIE AVENUE. TWO-WAY TRAFFIC SHALL BE MAINTAINED THROUGH THE USE OF FLAGGERS IN ACCORDANCE WITH IDOT HIGHWAY STANDARD 701501.
4. CONSTRUCT DRAINAGE AND UTILITY STRUCTURE ADJUSTMENTS.
5. CONSTRUCT CURB RAMPS AND SIDEWALK.
6. REMOVE AND REPLACE CURB AND GUTTER AS DETERMINED BY THE ENGINEER.
7. COMPLETE LANDSCAPING RESTORATION.
8. MILL EXISTING PAVEMENT.
9. CONSTRUCT PAVEMENT PATCHING AS DETERMINED BY THE ENGINEER.
10. PLACE SURFACE COURSE. TWO-WAY TRAFFIC SHALL BE MAINTAINED THROUGH THE USE OF FLAGGERS IN ACCORDANCE WITH IDOT HIGHWAY STANDARD 701501.
11. INSTALL PERMANENT STRIPING.
12. REMOVE CONSTRUCTION SIGNS.

PLAN	DATE
SURVIVED PLOTTED GRADES CHECKED STRUCTURE NOTATIONS OK'D	BY
NOTE BOOK NO.	DATE

PROFILE	DATE
SURVIVED PLOTTED GRADES CHECKED STRUCTURE NOTATIONS OK'D	BY
NOTE BOOK NO.	DATE

MODEL: SH06LNAME5
FILE NAME: ...08A - W0113276_S0C_Notes.dgn



Two Pierce Place, Suite 1400
Itasca, Illinois 60143
Tel: 630.773.3900 Fax: 630.773.3975
www.civiltechinc.com

DESIGNED - JRR	REVISED -
DRAWN - TGB	REVISED -
CHECKED - KRK	REVISED -
DATE - 1/03/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

MAINTENANCE OF TRAFFIC - GENERAL NOTES

SHEET 2 OF 2 SHEETS STA. TO STA.

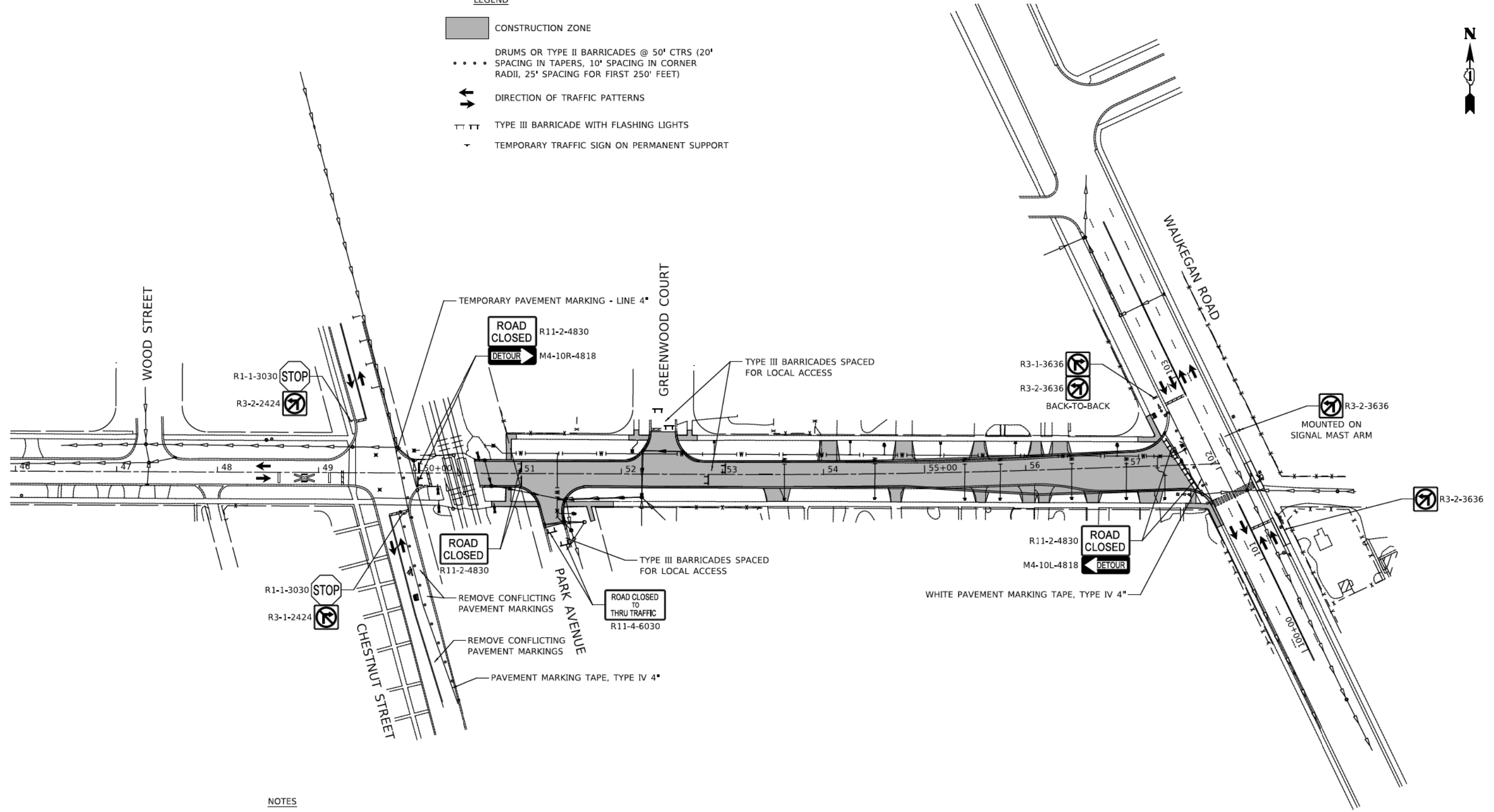
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1262	17-00103-00-PV	LAKE	93	21
CONTRACT NO. 61F47				
ILLINOIS FED. AID PROJECT				

PLAN	SURVIVED	DATE
	PLOTTED	
	ALIGNED	
	CHECKED	
	BY	
	NOTE BOOK	
	NO.	
	CADD FILE NAME	

PROFILE	SURVIVED	DATE
	PLOTTED	
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	BY	
	NOTE BOOK	
	NO.	

LEGEND

- CONSTRUCTION ZONE
- DRUMS OR TYPE II BARRICADES @ 50' CTRS (20' SPACING IN TAPERS, 10' SPACING IN CORNER RADII, 25' SPACING FOR FIRST 250' FEET)
- ↔ DIRECTION OF TRAFFIC PATTERNS
- ⊥⊥ TYPE III BARRICADE WITH FLASHING LIGHTS
- ⊥ TEMPORARY TRAFFIC SIGN ON PERMANENT SUPPORT



NOTES

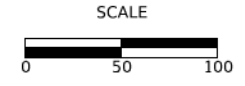
1. TEMPORARY PAVEMENT MARKINGS ON PAVEMENT SURFACES THAT WILL BE RESURFACED OR RECONSTRUCTED AS PART OF THIS CONTRACT MAY BE PAINT OR TAPE, TEMPORARY PAVEMENT MARKINGS ON FINAL PAVEMENT SURFACES OR NON-IMPROVEMENT SURFACES AS PART OF THIS CONTRACT MUST BE TAPE.
2. TEMPORARY PAVEMENT MARKING REMOVAL SHALL BE PAID FOR AS "PAVEMENT MARKING REMOVAL".
3. REMOVAL OF CONFLICTING EXISTING PAVEMENT MARKINGS OUTSIDE THE RECONSTRUCTION AND RESURFACING LIMITS SHALL BE PAID FOR AS "PAVEMENT MARKING REMOVAL - WATER BLASTING".



Two Pierce Place, Suite 1400
Itasca, Illinois 60143
Tel: 630.773.3900 Fax: 630.773.3975
www.civiltechinc.com

DESIGNED -	JRR	REVISED -	
DRAWN -	TGB	REVISED -	
CHECKED -	KRK	REVISED -	
DATE -	1/03/2019	REVISED -	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**



STAGES OF CONSTRUCTION

SHEET 1 OF 1 SHEETS STA. TO STA.

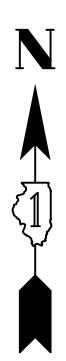
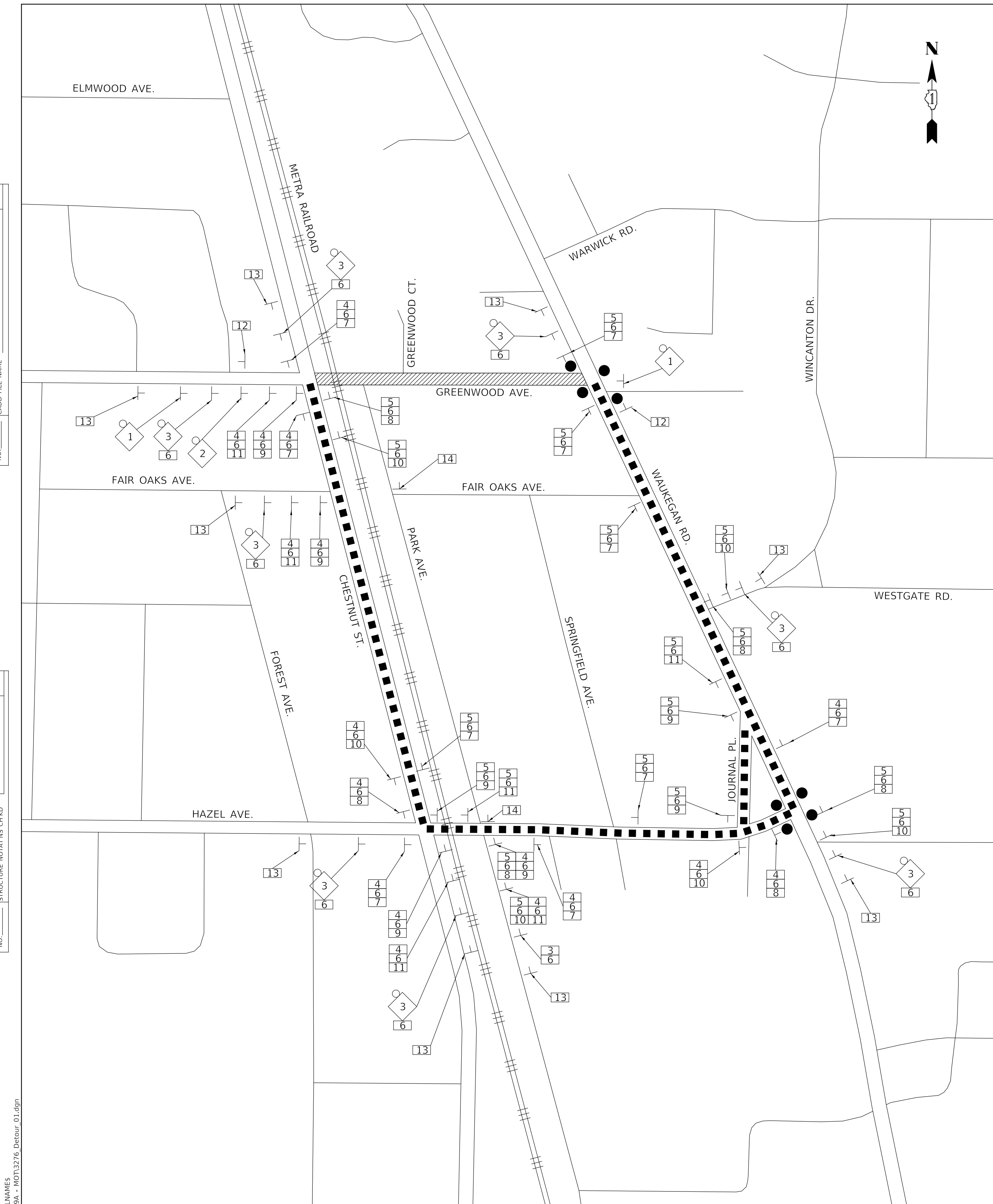
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1262	17-00103-00-PV	LAKE	93	22
CONTRACT NO. 61F47				
ILLINOIS FED. AID PROJECT				

GREENWOOD AVENUE

MODEL: SH06LNAME5 FILE NAME: ...D09A - W013276 - S0C1_01.dgn

PLAN	SURVEYED	DATE
	PLOTTED	BY
	ALIGNMENT CHECKED	
	NOTE BOOK	
	NO.	
	FILE NAME	
	NO.	

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



LEGEND

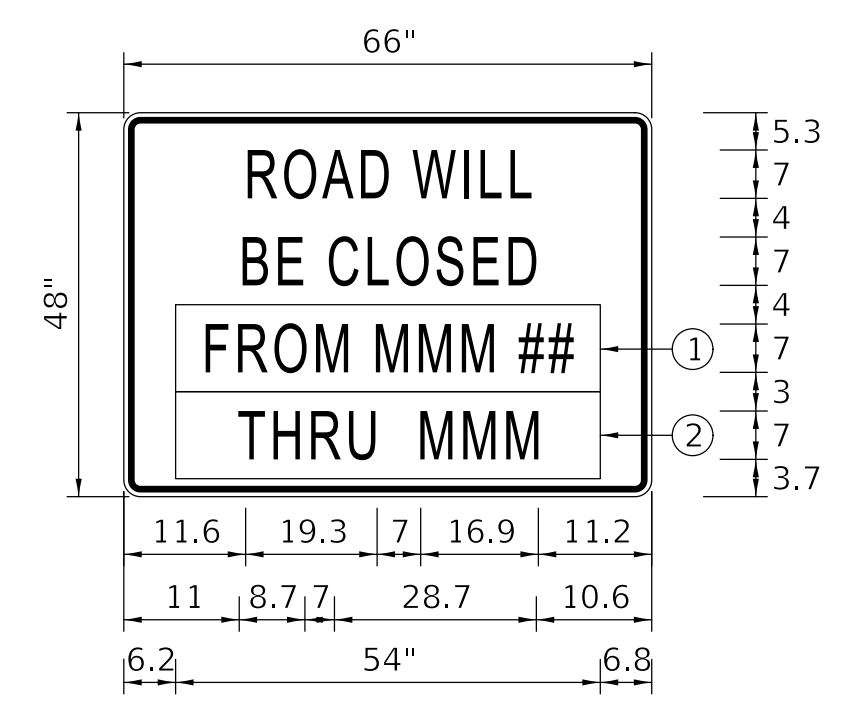
- SIGNALIZED INTERSECTION
- 48"x48" CONSTRUCTION WARNING SIGN WITH AMBER FLASHING LIGHT, NUMBER DENOTES TYPE
- M4-9 SERIES DETOUR SIGN WITH ROAD NAME AND DIRECTION PLATES, NUMBER DENOTES TYPE
- OTHER DETOUR SIGNS, NUMBER DENOTES TYPE
- CONSTRUCTION WORK ZONE
- DETOUR ROUTE

NOTES

1. ALL DETOUR SIGNING SHALL BE INCLUDED IN THE COST OF "TRAFFIC CONTROL AND PROTECTION, (SPECIAL)".
2. THE CONTRACTOR SHALL NOTIFY IDOT ONE MONTH PRIOR TO CLOSURE. DETOUR ROUTES AND ASSOCIATED SIGNAGE WILL NEED TO BE IN PLACE TWO WEEKS PRIOR TO CLOSURE.
3. PARKWAY SPACE IS LIMITED. CONTRACTOR WILL MAKE SURE THESE SIGNS DO NOT BLOCK THE SIDEWALK OR EXTEND ONTO THE STREET.
4. ALL DETOUR SIGN SPACING SHALL BE IN ACCORDANCE WITH IDOT DISTRICT 1 DETAIL TC-21.

SCHEDULE OF SIGNS

SIGN NO.	ROAD CLOSED AHEAD	SIGN TYPE
1		W20-3(O)-4848
2		W20-3(O)-4848
3		W20-2-3636
4		M3-1(O)-2412
5		M3-3(O)-2412
6		W17-1100-3612
7		M4-9(O)-3030
8		M4-9L(O)-3024
9		M4-9R(O)-3024
10		M4-9L(O)-3030
11		M4-9R(O)-3030
12		M4-8A(O)-2418
13		SPECIAL-4836
14		SPECIAL-4836



ARTERIAL ROAD INFORMATION SIGN FOR ROADS TO BE FULLY CLOSED AND DETOURED

6'R, 1.3" BORDER, BLACK ON ORANGE

ARTERIAL ROAD INFORMATION SIGN NOTES:

1. SIGN SHALL BE PAID FOR AS TEMPORARY INFORMATION SIGNING. ONE SIGN ASSEMBLY EQUALS 27.3 SQ FT.
2. OVERLAY PANELS SHALL BE "HIGHWAY C" FONT.
3. OVERLAY PANEL ① TO CONTAIN STARTING DATE OF FULL CLOSURE AND DETOUR IMPLEMENTATION
4. OVERLAY PANEL ② TO CONTAIN ENDING MONTH OF FULL CLOSURE AND DETOUR. OMIT THE DATE ON PANEL; MONTH ONLY.
5. ERECT SIGN ASSEMBLY (POST-MOUNTED) WITH PANELS 1 AND 2 IN PLACE ON ROAD TO BE CLOSED IN EACH DIRECTION NEAR POINT OF CLOSURE OR WITHIN SECTION TO BE FULLY CLOSED TWO (2) WEEKS PRIOR TO START DATE OF FULL CLOSURE. REMOVE ASSEMBLY AFTER CLOSURE.

MODEL: S:\MODEL\NAMES
FILE NAME: ...09A - Detour_01.dgn



Two Pierce Place, Suite 1400
Itasca, Illinois 60143
Tel: 630.773.3900 Fax: 630.773.3975
www.civiltechinc.com

DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE - 1/03/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DETOUR PLAN

SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1262	17-00103-00-PV	LAKE	93	23
CONTRACT NO. 61F47				
ILLINOIS FED. AID PROJECT				

SEDIMENTATION AND EROSION CONTROL NOTES

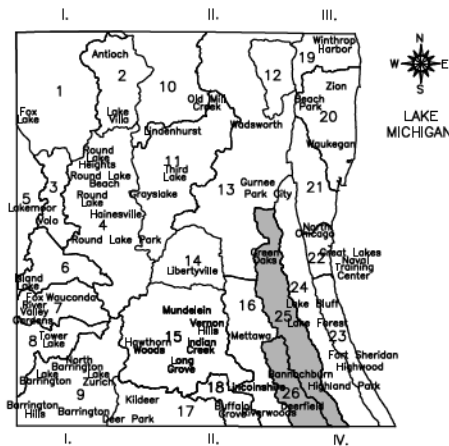
- A. SEDIMENT CONTROL MEASURES SHALL BE INSTALLED PRIOR TO THE COMMENCEMENT OF HYDROLOGIC DISTURBANCE OF UPLAND AREAS.
- B. FOR THOSE DEVELOPMENTS THAT REQUIRE A DESIGNATED EROSION CONTROL INSPECTOR (DECI), INSPECTIONS AND DOCUMENTATION SHALL BE PREFORMED, AT A MINIMUM:
 - UPON COMPLETION OF SEDIMENT AND RUNOFF CONTROL MEASURES (INCLUDING PERIMETER CONTROLS AND DIVERSIONS), PRIOR TO PROCEEDING WITH ANY OTHER EARTH DISTURBANCE OR GRADING.
 - AFTER EVERY SEVEN (7) CALENDAR DAYS OR STORM EVENT WITH GREATER THAN 0.5 INCH OF RAINFALL OR LIQUID EQUIVALENT PRECIPITATION.
- C. SOIL DISTURBANCE SHALL BE CONDUCTED IN A MANNER AS TO MINIMIZE EROSION. IF STRIPPING, CLEARING, GRADING, OR LANDSCAPING ARE TO BE DONE IN PHASES, THE PERMITEE SHALL PLAN FOR APPROPRIATE SOIL EROSION AND SEDIMENT CONTROL MEASURES.
- D. A STABILIZED MAT OF CRUSHED STONE MEETING IDOT GRADATION CA-1 UNDERLAIN WITH FILTER FABRIC AND IN ACCORDANCE WITH THE ILLINOIS URBAN MANUAL, OR OTHER APPROPRIATE MEASURE(S) AS APPROVED BY THE ENFORCEMENT OFFICER, SHALL BE INSTALLED AT ANY POINT WHERE TRAFFIC WILL BE ENTERING OR LEAVING A CONSTRUCTION SITE. SEDIMENT OR SOIL REACHING AN IMPROVED PUBLIC RIGHT-OF-WAY, STREET, ALLEY OR PARKING AREA SHALL BE REMOVED BY SCRAPING OR STREET CLEANING AS ACCUMULATIONS WARRANT AND TRANSPORTED TO A CONTROLLED SEDIMENT DISPOSAL AREA.
- E. TEMPORARY DIVERSIONS SHALL BE CONSTRUCTED AS NECESSARY TO DIRECT ALL RUNOFF FROM HYDROLOGICALLY DISTURBED AREAS TO AN APPROPRIATE SEDIMENT TRAP OR BASIN.
- F. DISTURBED AREAS SHALL BE STABILIZED WITH TEMPORARY OR PERMANENT MEASURES WITHIN SEVEN (7) CALENDAR DAYS FOLLOWING THE END OF ACTIVE HYDROLOGIC DISTURBANCE OR REDISTURBANCE.
- G. ALL STOCKPILES SHALL HAVE APPROPRIATE MEASURES TO PREVENT EROSION. STOCKPILES SHALL NOT BE PLACED IN FLOOD PRONE AREAS OR WETLANDS AND DESIGNATED BUFFERS.
- H. SLOPES STEEPER THAN 3H:1V SHALL BE STABILIZED WITH APPROPRIATE MEASURES AS APPROVED BY THE ENFORCEMENT OFFICER.
- I. APPROPRIATE EROSION CONTROL BLANKET SHALL BE INSTALLED ON ALL INTERIOR DETENTION BASIN SIDE SLOPES BETWEEN THE NORMAL WATER LEVEL AND HIGH WATER LEVEL.
- J. STORM SEWERS THAT ARE OR WILL BE FUNCTIONING DURING CONSTRUCTION SHALL BE PROTECTED BY AN APPROPRIATE SEDIMENT CONTROL MEASURE.
- K. IF DEWATERING SERVICES ARE USED, ADJOINING PROPERTIES AND DISCHARGE LOCATIONS SHALL BE PROTECTED FROM EROSION AND SEDIMENTATION. DISCHARGES SHALL BE ROUTED THROUGH AN APPROVED ANIONIC POLYMER DEWATERING SYSTEM OR A SIMILAR MEASURE AS APPROVED BY THE ENFORCEMENT OFFICER. DEWATERING SYSTEMS SHOULD BE INSPECTED DAILY DURING OPERATIONAL PERIODS. THE ENFORCEMENT OFFICER, OR APPROVED REPRESENTATIVE, MUST BE PRESENT AT THE COMMENCEMENT OF DEWATERING ACTIVITIES.
- L. IF INSTALLED EROSION AND SEDIMENT CONTROL MEASURES DO NOT MINIMIZE SEDIMENT LEAVING THE DEVELOPMENT SITE, ADDITIONAL MEASURES SUCH AS ANIONIC POLYMERS OR FILTRATION SYSTEMS MAY BE REQUIRED BY THE ENFORCEMENT OFFICER.
- M. ALL TEMPORARY AND PERMANENT EROSION CONTROL MEASURES MUST BE MAINTAINED AND REPAIRED AS NEEDED. THE PROPERTY OWNER SHALL BE ULTIMATELY RESPONSIBLE FOR MAINTENANCE AND REPAIR.
- M. ALL TEMPORARY SEDIMENT CONTROL MEASURES SHALL BE REMOVED WITHIN 30 DAYS AFTER FINAL STABILIZATION IS ACHIEVED OR AFTER THE TEMPORARY MEASURES ARE NO LONGER NEEDED.
- O. THE EROSION CONTROL MEASURES INDICATED ON THE PLANS ARE THE MINIMUM REQUIREMENTS. ADDITIONAL MEASURES MAY BE REQUIRED, AS DIRECTED BY THE ENGINEER, ENFORCEMENT OFFICER, OR OTHER GOVERNING AGENCY.
- P. ESTIMATED QUANTITIES HAVE BEEN PROVIDED FOR EROSION CONTROL MEASURES TO BE USED AT THE DIRECTION OF THE RESIDENT ENGINEER.
- Q. PERIMETER EROSION BARRIER SHALL BE INSTALLED ONE (1) FOOT FROM RIGHT-OF-WAY OR EASEMENT UNLESS OTHERWISE NOTED ON THE PLANS. REFERENCE THE PLAT OF HIGHWAY SHEETS FOR STATIONS AND OFFSETS.
- R. SEE DRAINAGE AND UTILITY SHEETS FOR RIPRAP CLASSES AND QUANTITIES.
- S. QUANTITIES OF EROSION CONTROL MAT, FLOATING SILT CURTAIN, FLOCCULATION LOGS, AND FLOCCULATION POWDER HAVE BEEN PROVIDED AND ARE TO BE MADE AVAILABLE FOR USE AT THE DIRECTION OF THE RESIDENT ENGINEER.
- T. PERMANENT DITCH CHECKS AND TEMPORARY SEDIMENT TRAPS SHALL BE PAID FOR AS EARTH EXCAVATION, STONE RIPRAP CLASS A2, STONE RIPRAP CLASS A4, AND FILTER FABRIC.
- U. TEMPORARY FENCE SHALL BE PLACED THROUGHOUT THE LIMITS OF THE PROJECT WHERE PERIMETER EROSION BARRIER IS NOT ALREADY UTILIZED AND AROUND ALL TREES THAT ARE TO BE PROTECTED AT THE DIRECTION OF THE ENGINEER, WHICH SHALL BE PAID FOR AS "TEMPORARY FENCE".

EROSION CONTROL PLAN

THIS PROJECT DISTURBS 3.98 ACRES OF TOTAL LAND AREA. COMPLIANCE WITH THE NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM (NPDES) STORMWATER PERMIT IS ONLY NECESSARY IF A PROJECT DISTURBS 1.0 OR MORE ACRES OF TOTAL LAND AREA; AN NPDES PERMIT IS REQUIRED FOR THIS PROJECT.

DRAINAGE BASINS OF LAKE COUNTY

- I. FOX RIVER WATERSHED
 - 1. Upper Fox River
 - 2. Sequoit Creek
 - 3. Fish Lake Drain
 - 4. Squaw Creek
 - 5. Lower Fox River
 - 6. Mutton Creek
 - 7. Stocum Lake Drain
 - 8. Tower Lake Drain
 - 9. Flint Creek
- II. DES PLAINES RIVER WATERSHED
 - 10. North Mill Creek
 - 11. Mill Creek
 - 12. Newport Drainage Ditch
 - 13. Upper Des Plaines River
 - 14. Bull Creek
 - 15. Indian Creek
 - 16. Lower Des Plaines River
 - 17. Buffalo Creek
 - 18. Aptakisis Creek
- III. LAKE MICHIGAN WATERSHED
 - 19. Kellogg Creek
 - 20. Dead River
 - 21. Waukegan River
 - 22. Pettibone Creek
 - 23. Bluff/Ravine
- IV. CHICAGO RIVER WATERSHED
 - 24. Skokie River
 - 25. Middle Fork
 - 26. West Fork



SMC TYPICAL CONSTRUCTION SEQUENCE (PER STAGE)

1. INSTALLATION OF SOIL EROSION AND SEDIMENT CONTROL SE/SC MEASURES
 - A. SELECTIVE VEGETATION REMOVAL FOR SILT FENCE INSTALLATION
 - B. SILT FENCE INSTALLATION
 - C. CONSTRUCTION FENCING AROUND AREAS NOT TO BE DISTURBED
 - D. STABILIZED CONSTRUCTION ENTRANCE
2. TREE REMOVAL WHERE NECESSARY (CLEAR & GRUB)
3. CONSTRUCT SEDIMENT TRAPPING DEVICES (SEDIMENT TRAPS, BASINS, ETC.)
4. CONSTRUCT DETENTION FACILITIES AND OUTLET CONTROL STRUCTURE WITH RESTRICTOR & TEMPORARY PERFORATED RISER
5. STRIP TOPSOIL, STOCKPILE TOPSOIL AND GRADE SITE
6. TEMPORARILY STABILIZE TOPSOIL STOCKPILES (SEED AND SILT FENCE AROUND TOE OF SLOPE)
7. INSTALL STORM SEWER, SANITARY SEWER, WATER AND ASSOCIATED INLET & OUTLET PROTECTION
8. PERMANENTLY STABILIZE DETENTION BASIN WITH SEED AND EROSION CONTROL BLANKET
9. TEMPORARILY STABILIZE ALL AREAS INCLUDING LOTS THAT HAVE REACHED TEMPORARY GRADE
10. INSTALL ROADWAYS
11. PERMANENTLY STABILIZE ALL OUTLOT AREAS
12. INSTALL STRUCTURES AND GRADE INDIVIDUAL LOTS
13. PERMANENTLY STABILIZE LOTS
14. REMOVE ALL TEMPORARY SE/SC MEASURES AFTER THE SITE IS STABILIZED WITH VEGETATION

*SOIL EROSION AND SEDIMENT CONTROL MAINTENANCE MUST OCCUR EVERY TWO WEEKS AND AFTER EVERY 1/2" OR GREATER RAINFALL EVENT.

ESTIMATED QUANTITIES

5 EACH	TREE TRUNK PROTECTION
51 EACH	TREE PROTECTION AND PRESERVATION (PAID FOR AS 40 LF OF TEMPORARY FENCE, TREE ROOT PRUNING, AND TREE PRUNING AT THE DIRECTION OF THE ENGINEER.)
63 POUND	TEMPORARY EROSION CONTROL SEEDING
32 FOOT	TEMPORARY DITCH CHECKS
217 FOOT	PERIMETER EROSION BARRIER
54 EACH	INLET FILTERS
2,902 SQ YD	TEMPORARY EROSION CONTROL BLANKET

PLAN	SURVISED	DATE
	PLOTTED	
	ALIGNED	
	CHECKED	
	FILED	
	NO.	

PROFILE	SURVISED	DATE
	PLOTTED	
	GRADES	
	CHECKED	
	STRUCTURE	
	NOTATIONS	
	NO.	

MODEL: SH06LNAME5
FILE NAME: ...13278 EC_01.dgn



Two Pierce Place, Suite 1400
Itasca, Illinois 60143
Tel: 630.773.3900 Fax: 630.773.3975
www.civiltechinc.com

DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE - 1/03/2019	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



EROSION CONTROL PLAN

SHEET 1 OF 3 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1262	17-00103-00-PV	LAKE	93	24
CONTRACT NO. 61F47				

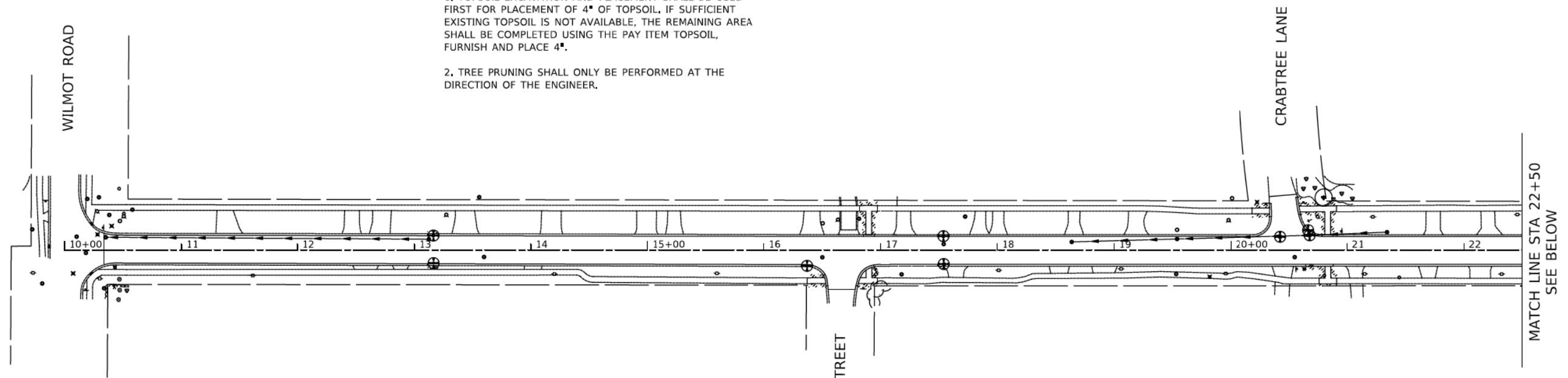
ILLINOIS FED. AID PROJECT

PLAN	SURVIVED	DATE
	PLOTTED	
	CHECKED	
	BY	
	NO.	

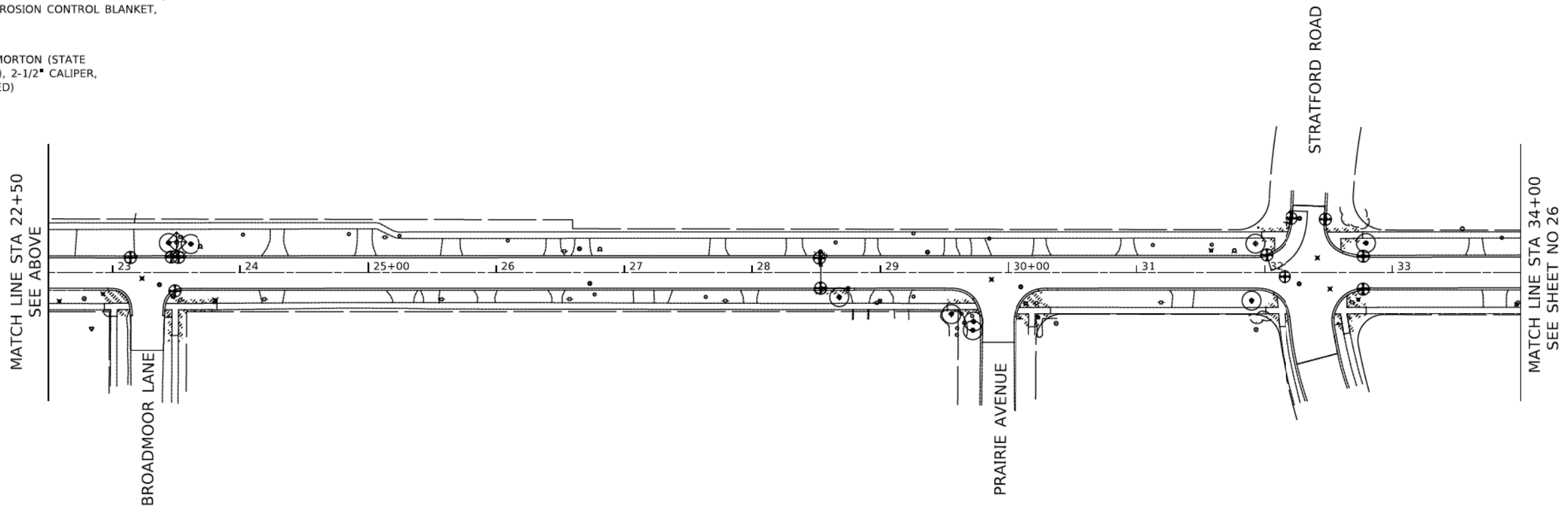
PROFILE	SURVIVED	DATE
	GRADES CHECKED	
	STRUCTURE NOTATIONS OK'D	
	NO.	

NOTES

1. TOPSOIL EXCAVATION AND PLACEMENT SHALL BE USED FIRST FOR PLACEMENT OF 4" OF TOPSOIL. IF SUFFICIENT EXISTING TOPSOIL IS NOT AVAILABLE, THE REMAINING AREA SHALL BE COMPLETED USING THE PAY ITEM TOPSOIL, FURNISH AND PLACE 4".
2. TREE PRUNING SHALL ONLY BE PERFORMED AT THE DIRECTION OF THE ENGINEER.



- LEGEND**
- ⊕ INLET FILTER
 - ⊙ TREE PROTECTION (PAID FOR AS 40 LF TEMPORARY FENCE, TREE ROOT PRUNING, AND TREE PRUNING)
 - ▨ TOPSOIL PLACEMENT 4" (SEE NOTE) SODDING, SALT TOLERANT
 - PERIMETER EROSION BARRIER
 - ◊ INLET AND PIPE PROTECTION (PAID FOR AS 16 LF OF TEMPORARY DITCH CHECKS, 2 SY OF TEMPORARY EROSION CONTROL BLANKET, AND 1 INLET FILTER)
 - ⊙ PROPOSED TREE (TREE, ACER MIYABEI MORTON (STATE STREET MIYABE MAPLE), 2-1/2" CALIPER, BALLED AND BURLAPPED)



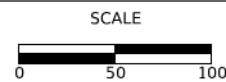
MODEL: SH06LNAME5
FILE NAME: ...13276_EC_01.dgn



Two Pierce Place, Suite 1400
Itasca, Illinois 60143
Tel: 630.773.3900 Fax: 630.773.3975
www.civiltechinc.com

DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE - 1/03/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**



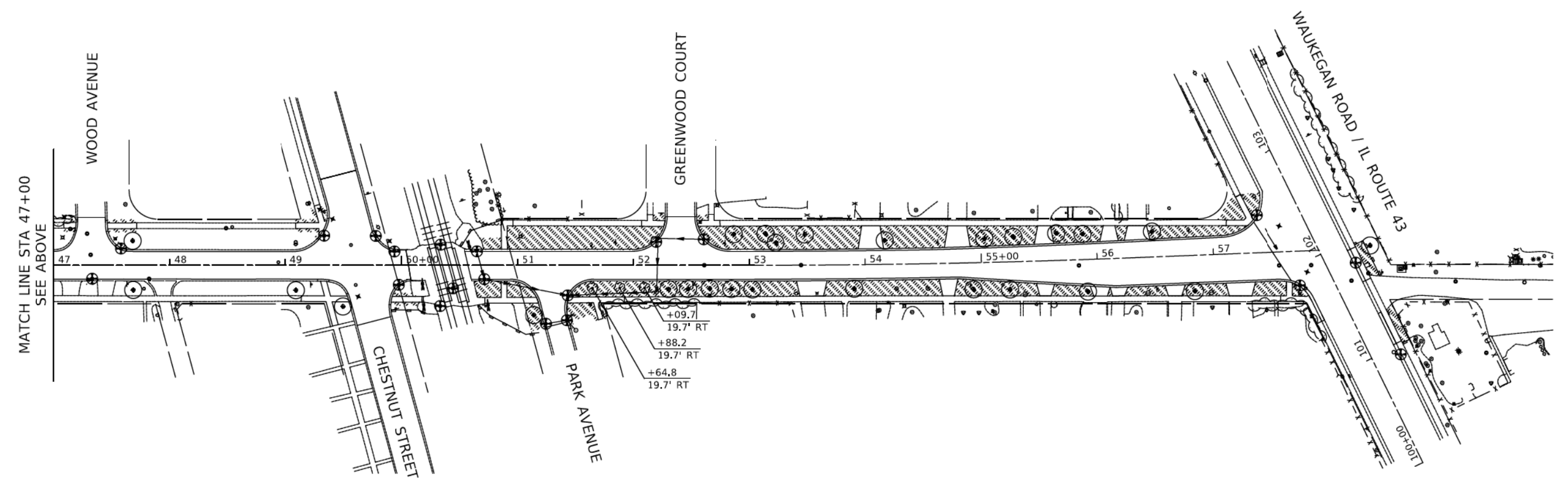
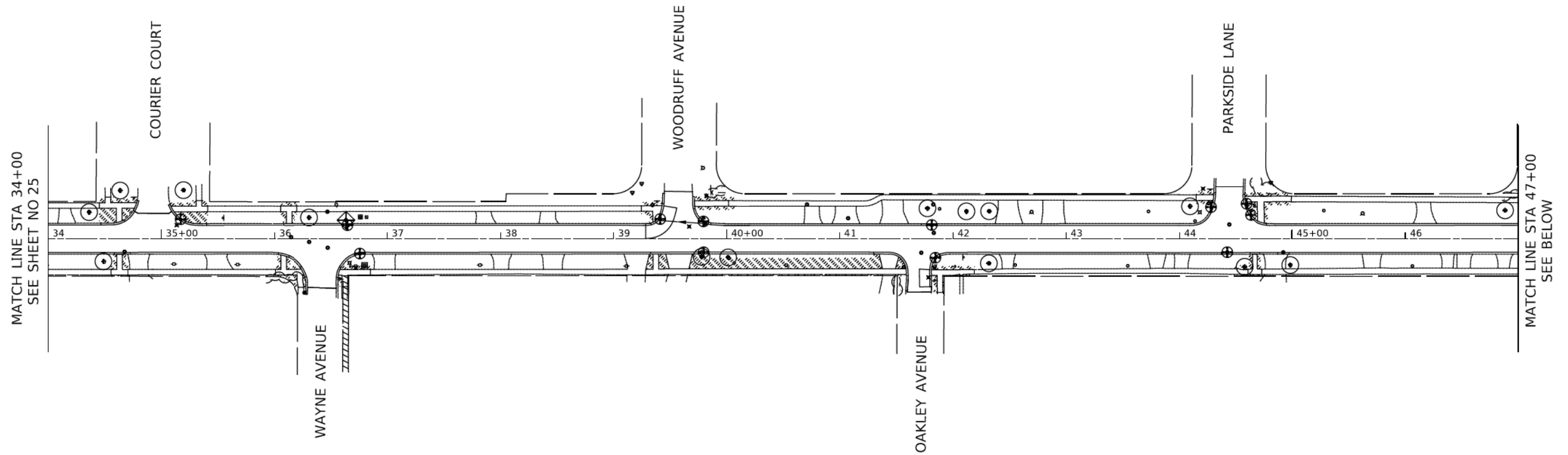
EROSION CONTROL AND LANDSCAPING

SHEET 2 OF 3 SHEETS STA. 10+00 TO STA. 34+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1262	17-00103-00-PV	LAKE	93	25
CONTRACT NO. 61F47				
ILLINOIS FED. AID PROJECT				

PLAN	SURVIVED	DATE
	PLOTTED	
	CHECKED	
	BY	
	NO.	

PROFILE	SURVIVED	DATE
	PLOTTED	
	CHECKED	
	BY	
	NO.	



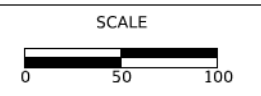
MODEL: SH01DELNAMRES
FILE NAME: ...13278_EC_01.dgn



Two Pierce Place, Suite 1400
Itasca, Illinois 60143
Tel: 630.773.3900 Fax: 630.773.3975
www.civiltechinc.com

DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE - 1/03/2019	REVISED -

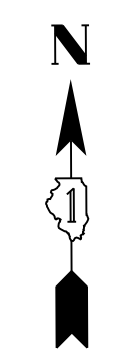
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



EROSION CONTROL AND LANDSCAPING
SHEET 3 OF 3 SHEETS STA. 34+00 TO STA. 57+51.75

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1262	17-00103-00-PV	LAKE	93	26
CONTRACT NO. 61F47				
ILLINOIS FED. AID PROJECT				

- 16 STA. 50+65.0, 12.0' LT INLETS TA T1F OL RIM = 689.42 INV = 686.12
- 17 STA. 50+71.3, 11.9' RT CB TA 4 DIA T1F OL RIM = 689.44 INV = 685.93 (12" N) INV = 685.93 (12" SE)
- 18 STA. 51+43.5, 26.0' RT CB TA 5 DIA T1F OL RIM = 690.76 INV = 686.98 (12" E) INV = 685.64 (12" W) INV = 685.45 (12" S)
- 19 STA. 51+24.6, 50.5' RT INLETS TA T1F OL RIM = 691.35 INV = 687.65
- 20 STA. 51+42.8, 47.4' RT CB TA 5 DIA T1F OL RIM = 691.34 INV = 687.50 (12" W) INV = 685.26 (12" N) INV = 685.20 (12" SE)
- 21 STA. 51+50.6, 56.1' RT CB TA 4 DIA T1F CL RIM = 692.29 INV = 685.14 (12" NW) INV = 685.10 (EX 12" PVC)
- 22 STA. 52+60.7, 22.4' LT INLETS TA T1F OL RIM = 692.31 INV = 688.88
- 23 STA. 52+21.4, 23.2' LT CB TA 4 DIA T1F OL RIM = 692.26 INV = 688.30 (12" E) INV = 688.30 (12" S)
- 24 STA. 52+20.2, 22.9' RT MAN TA 4 DIA T1F CL RIM = 693.32 INV = 687.90 (12" N) INV = 687.70 (12" W)



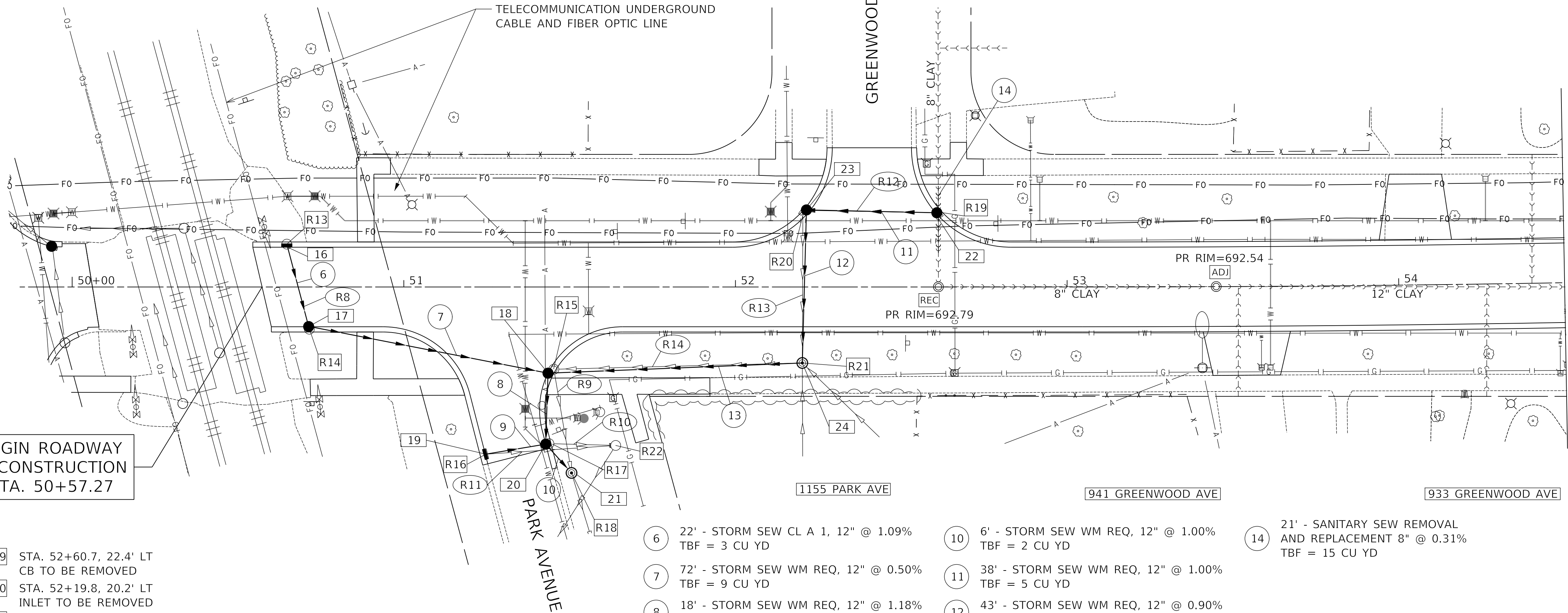
PLAN	SURVEYED	DATE
	PLOTTED	
	ALIGNMENT CHECKED	
	GRADES CHECKED	
	STRUCTURE NOTATION CHECKED	
	NOTE BOOK NO.	
	FILE NAME	

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

- LEGEND**
- (ADJ) DRAINAGE & UTILITY STRUCTURES TO BE ADJUSTED OR SANITARY MANHOLES TO BE ADJUSTED
 - (REC) DRAINAGE & UTILITY STRUCTURES TO BE RECONSTRUCTED OR SANITARY MANHOLES TO BE RECONSTRUCTED

BEGIN ROADWAY RECONSTRUCTION STA. 50+57.27

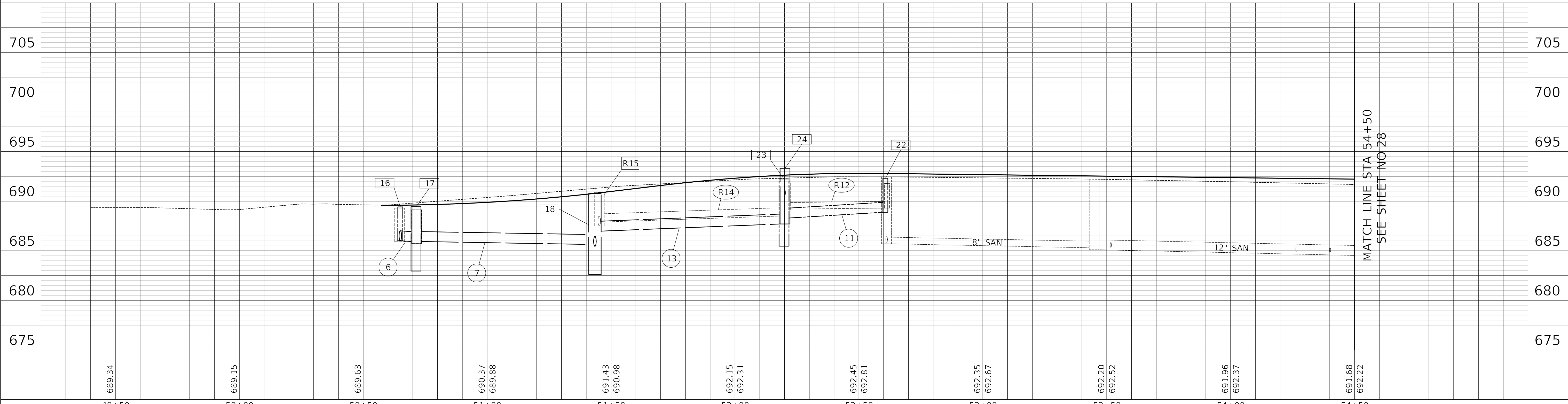
- R13 STA. 50+65.0, 12.0' LT CB TO BE REMOVED
- R14 STA. 50+71.3, 11.9' RT CB TO BE REMOVED
- R15 STA. 51+43.5, 26.0' RT MH TO BE REMOVED
- R16 STA. 51+24.6, 50.5' RT INLET TO BE REMOVED
- R17 STA. 51+42.8, 47.4' RT CB TO BE REMOVED
- R18 STA. 51+50.6, 56.1' RT CB TO BE REMOVED
- R19 STA. 52+60.7, 22.4' LT CB TO BE REMOVED
- R20 STA. 52+19.8, 20.2' LT INLET TO BE REMOVED
- R21 STA. 52+20.2, 22.9' RT INLET TO BE REMOVED
- R22 STA. 51+63.9, 47.8' RT CB TO BE REMOVED



MATCH LINE STA 54+50
SEE SHEET NO 28

- R8 24' - STORM SEWER REMOVAL 12" TBF = 0 CU YD
- R9 28' - STORM SEWER REMOVAL 12" TBF = 0 CU YD
- R10 17' - STORM SEWER REMOVAL 8" TBF = 1 CU YD
- R11 37' - STORM SEWER REMOVAL 8" TBF = 2 CU YD
- R12 40' - STORM SEWER REMOVAL 8" TBF = 1 CU YD
- R13 44' - STORM SEWER REMOVAL 10" TBF = 0 CU YD
- R14 72' - STORM SEWER REMOVAL 10" TBF = 0 CU YD
- 6 22' - STORM SEW CL A 1, 12" @ 1.09% TBF = 3 CU YD
- 7 72' - STORM SEW WM REQ, 12" @ 0.50% TBF = 9 CU YD
- 8 18' - STORM SEW WM REQ, 12" @ 1.18% TBF = 6 CU YD
- 9 18' - STORM SEW WM REQ, 12" @ 0.80% TBF = 5 CU YD
- 10 6' - STORM SEW WM REQ, 12" @ 1.00% TBF = 2 CU YD
- 11 38' - STORM SEW WM REQ, 12" @ 1.00% TBF = 5 CU YD
- 12 43' - STORM SEW WM REQ, 12" @ 0.90% TBF = 9 CU YD
- 13 72' - STORM SEW CL A 2, 12" @ 1.00% TBF = 1 CU YD
- 14 21' - SANITARY SEW REMOVAL AND REPLACEMENT 8" @ 0.31% TBF = 15 CU YD

GREENWOOD AVENUE



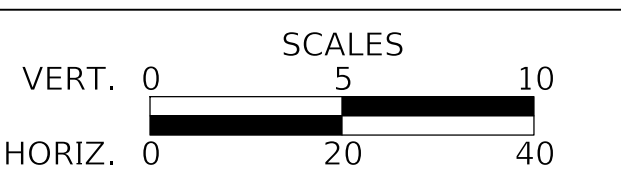
MATCH LINE STA 54+50
SEE SHEET NO 28

MODEL: SPODELNAMES
FILE NAME: ...13276.DWG_01.dgn

CIVILTECH
Two Pierce Place, Suite 1400
Itasca, Illinois 60143
Tel: 630.773.3900 Fax: 630.773.3975
www.civiltechinc.com

DESIGNED	-	JRR	REVISED	-
DRAWN	-	TGB	REVISED	-
CHECKED	-	KRK	REVISED	-
DATE	-	1/03/2019	REVISED	-

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**



DRAINAGE AND UTILITIES

SHEET 1 OF 2 SHEETS STA. 50+57.27 TO STA. 54+50.00

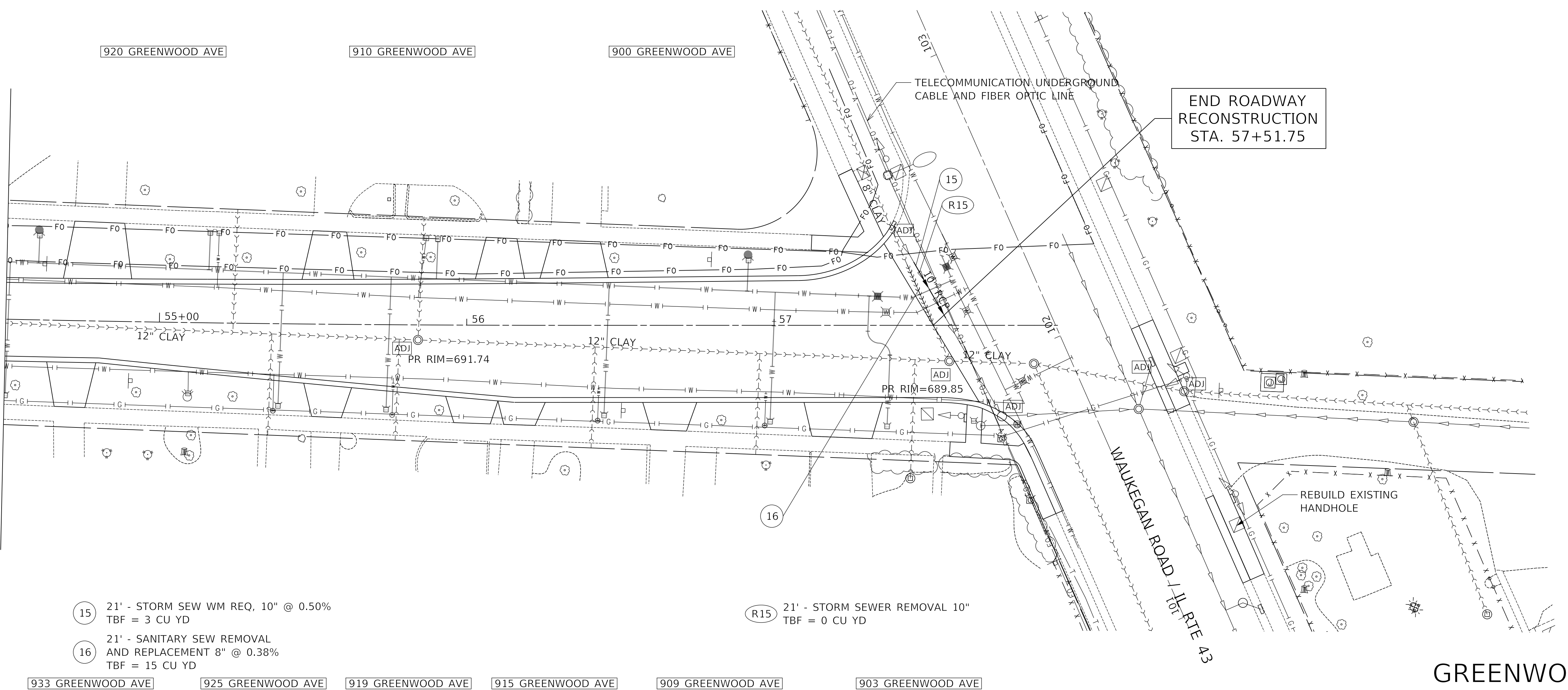
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1262	17-00103-00-PV	LAKE	93	27
CONTRACT NO. 61F47				
ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	DATE
	PLOTTED	BY
	ALIGNMENT CHECKED	
	NOTE BOOK	
	NO.	
	CADD FILE NAME	

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

MATCH LINE STA 54+50
SEE SHEET NO 27

MATCH LINE STA 54+50
SEE SHEET NO 27

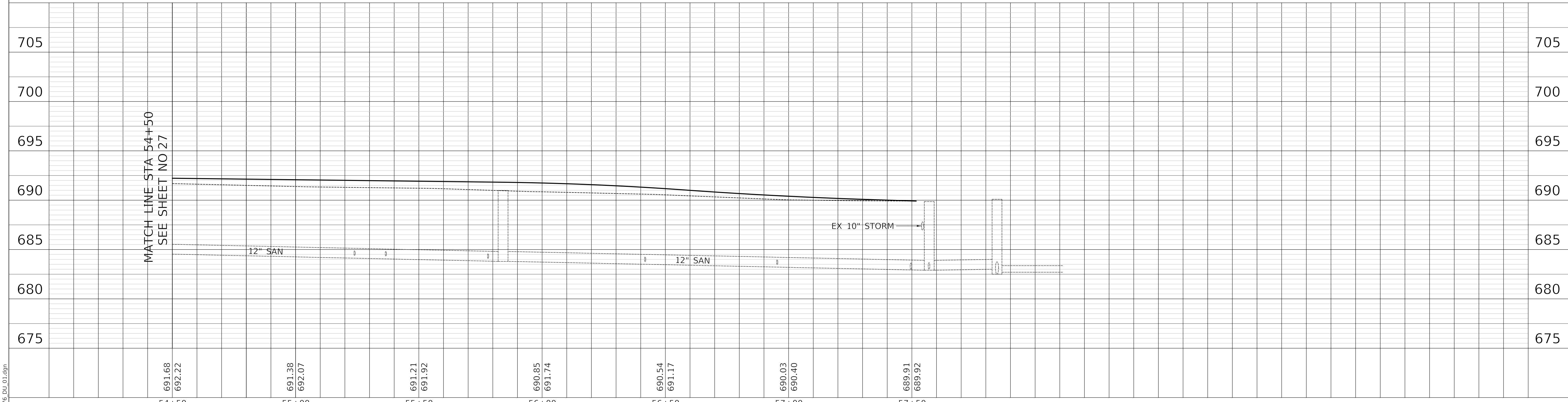


- 15 21' - STORM SEW WM REQ, 10" @ 0.50%
TBF = 3 CU YD
- 16 21' - SANITARY SEW REMOVAL
AND REPLACEMENT 8" @ 0.38%
TBF = 15 CU YD

- R15 21' - STORM SEWER REMOVAL 10"
TBF = 0 CU YD

933 GREENWOOD AVE 925 GREENWOOD AVE 919 GREENWOOD AVE 915 GREENWOOD AVE 909 GREENWOOD AVE 903 GREENWOOD AVE

GREENWOOD AVENUE



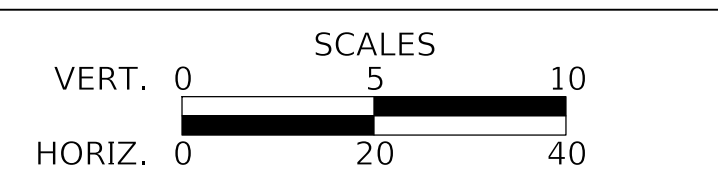
691.68	691.38	691.21	690.85	690.54	690.03	689.91
692.22	692.07	691.92	691.74	691.17	690.40	689.92
54+50	55+00	55+50	56+00	56+50	57+00	57+50



Two Pierce Place, Suite 1400
Itasca, Illinois 60143
Tel: 630.773.3900 Fax: 630.773.3975
www.civiltechinc.com

DESIGNED -	JRR	REVISED -	
DRAWN -	TGB	REVISED -	
CHECKED -	KRK	REVISED -	
DATE -	1/03/2019	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



DRAINAGE AND UTILITIES

SHEET 2 OF 2 SHEETS STA. 54+50.00 TO STA. 57+51.75

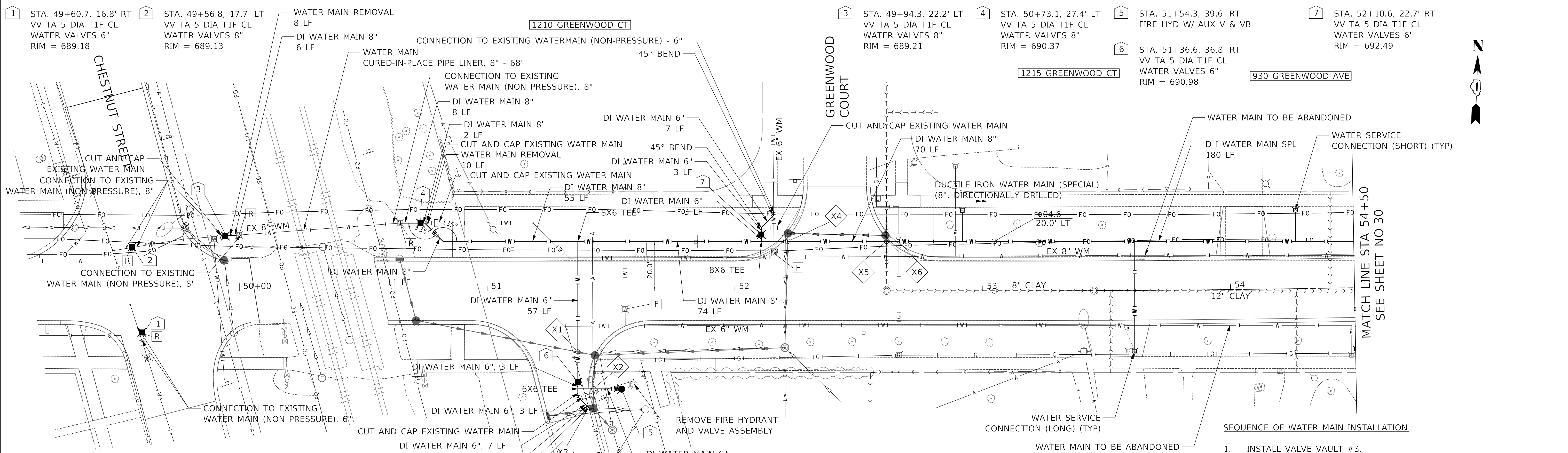
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1262	17-00103-00-PV	LAKE	93	28
CONTRACT NO. 61F47				
ILLINOIS FED. AID PROJECT				



MODEL: SH06LNAME\$
FILE NAME: ...13276.DW_01.dgn

DATE	
BY	
PLAN	
SURVEYED	
PLOTTED	
ALIGNMENT CHECKED	
NOTE BOOK NO.	
CADD FILE NAME	

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



NOTES

1. ALL WATER SERVICE BOX LOCATIONS NEED TO BE FIELD DISCOVERED AND CONNECTED APPROPRIATELY. (PAID FOR AS WATER SERVICE CONNECTION (LONG) OR (SHORT)).

2. THE CONTRACTOR SHALL EXPOSE ALL SANITARY SERVICES, WATER SERVICES, AND SEWER WHERE THEY CROSS PROPOSED PROPOSED WATER MAIN AND WATER SERVICES, AND RECORD THEIR DEPTHS, TO AVOID CONFLICTS DURING DRILLING OR BORING OPERATIONS. THIS WORK SHALL BE PAID FOR AS "EXPLORATION TRENCH, SPECIAL".

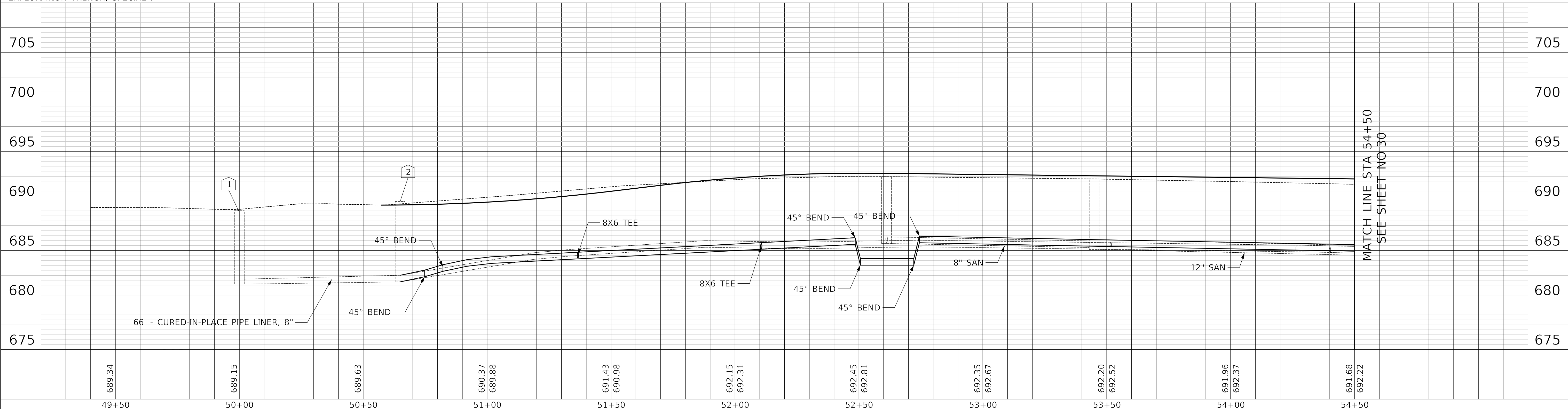
- X1 BOTTOM STORM = 685.50
TOP WATER MAIN = 683.65
- X2 BOTTOM STORM = 685.16
TOP WATER MAIN = 683.65
- X3 BOTTOM STORM = 687.52
TOP WATER MAIN = 685.32
- X4 BOTTOM STORM = 688.12
TOP WATER MAIN = 686.24
- X5 BOTTOM SANITARY = 685.86
TOP WATER MAIN = 684.19
- X6 BOTTOM GAS = 686.00
TOP WATER MAIN = 684.16

LEGEND

F FILLING VALVE VAULTS

R REMOVE EXISTING VALVE AND VAULT VALVE BOXES TO BE REMOVED

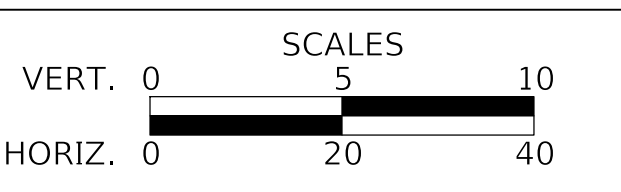
- SEQUENCE OF WATER MAIN INSTALLATION**
1. INSTALL VALVE VAULT #3.
 2. INSTALL CURED IN PLACE PIPE LINER 8".
 3. INSTALL VALVE VAULT #4 AND DUCTILE IRON WATERMAIN (SPECIAL).
 4. INSTALL OPEN CUT WATERMAIN.
 5. PRESSURE TEST AND CHLORINATE.
 6. INSTALL WATER SERVICES.
 7. COMPLETE WATERMAIN CONNECTIONS.



Two Pierce Place, Suite 1400
Itasca, Illinois 60143
Tel: 630.773.3900 Fax: 630.773.3975
www.civiltechinc.com

DESIGNED	-	JRR	REVISED	-
DRAWN	-	TGB	REVISED	-
CHECKED	-	KRK	REVISED	-
DATE	-	1/03/2019	REVISED	-

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**



WATERMAIN PLAN & PROFILE

SHEET 1 OF 2 SHEETS STA. 50+57.27 TO STA. 54+50.00

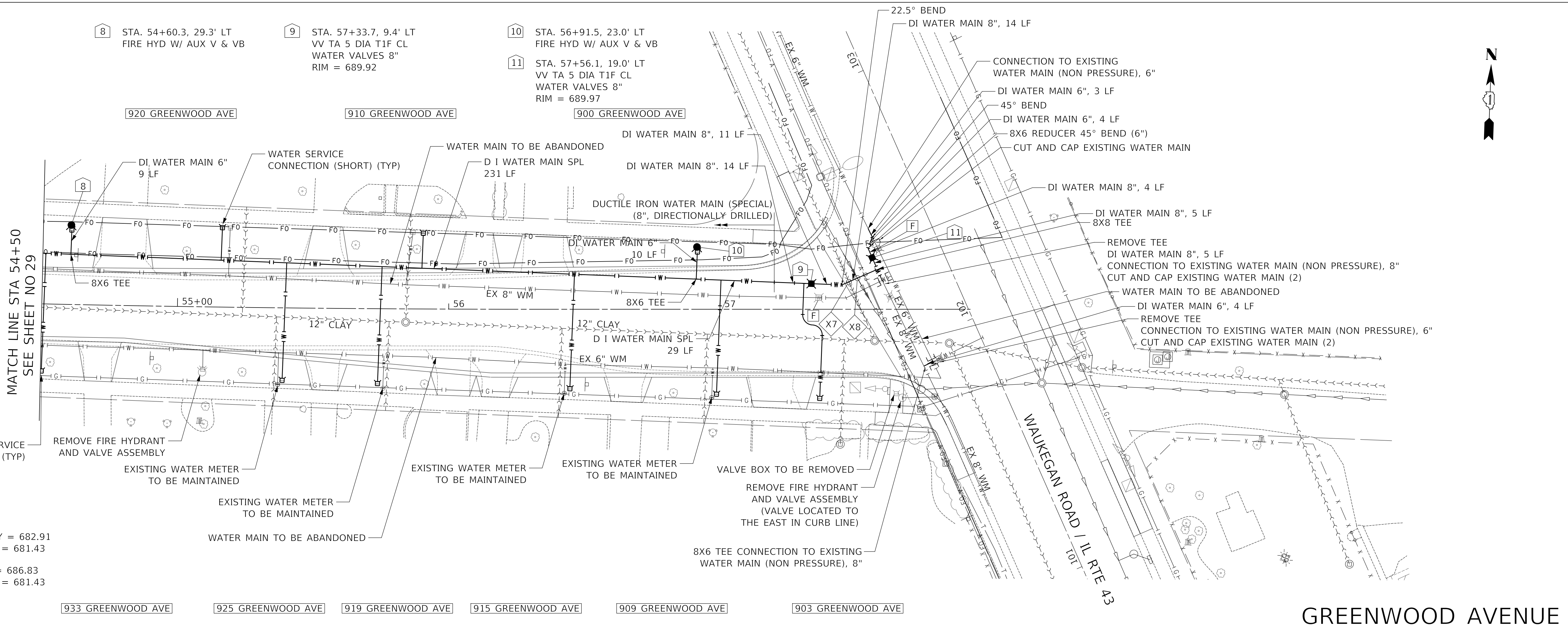
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1262	17-00103-00-PV	LAKE	93	29
CONTRACT NO. 61F47				
ILLINOIS FED. AID PROJECT				

MODEL: SPODELNAME
FILE NAME: ...09 - Watermain1276 WM 01.dgn

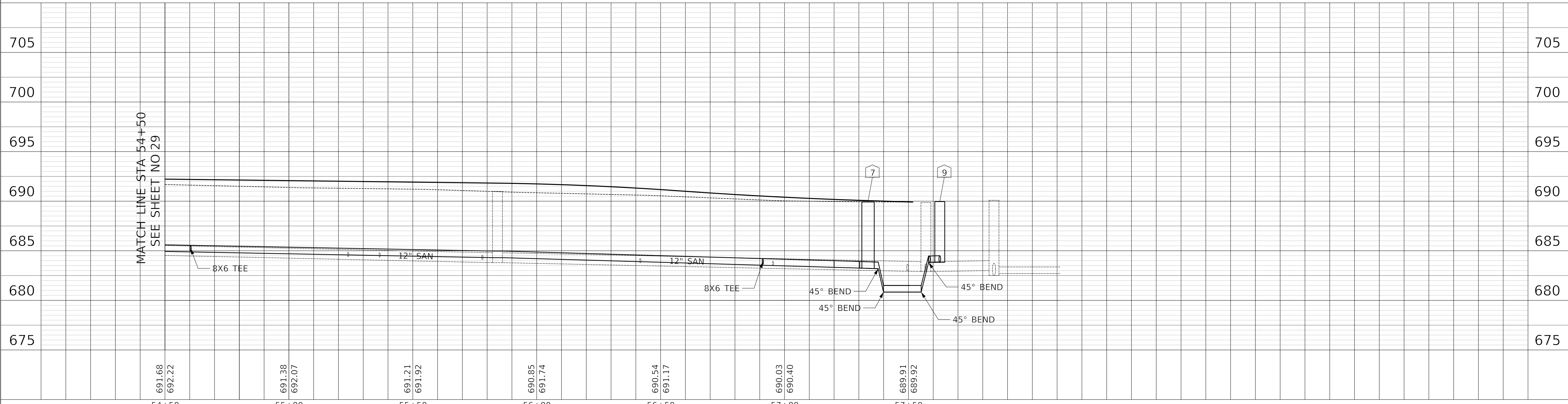
PLAN	SURVEYED	DATE
	PLOTTED	BY
	ALIGNMENT CHECKED	
	NOTE BOOK NO.	
	FIELD FILE NAME	

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

MODEL: S:\MODEL\NAMES
FILE NAME: ...109 - Watermain\276 WM 01.dgn



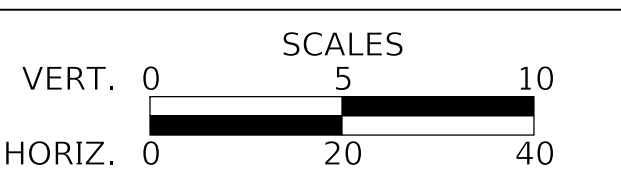
- X7 BOTTOM SANITARY = 682.91
TOP WATER MAIN = 681.43
- X8 BOTTOM STORM = 686.83
TOP WATER MAIN = 681.43



CIVILTECH
Two Pierce Place, Suite 1400
Itasca, Illinois 60143
Tel: 630.773.3900 Fax: 630.773.3975
www.civiltechinc.com

DESIGNED -	JRR	REVISED -
DRAWN -	TGB	REVISED -
CHECKED -	KRK	REVISED -
DATE -	1/03/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**



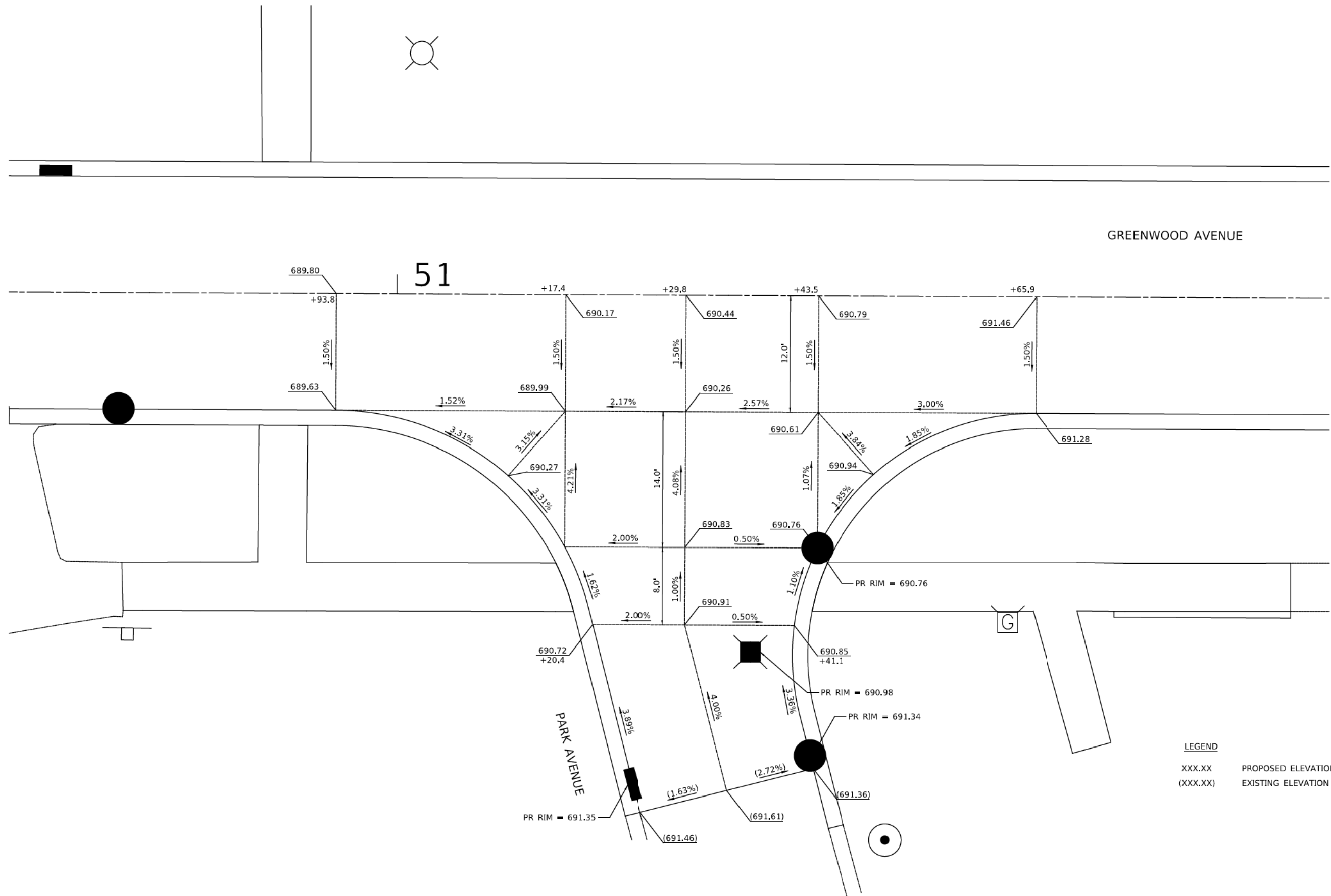
WATERMAIN PLAN & PROFILE
SHEET 2 OF 2 SHEETS
STA. 54+50.00 TO STA. 57+51.75

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1262	17-00103-00-PV	LAKE	93	30
CONTRACT NO. 61F47				
ILLINOIS FED. AID PROJECT				



PLAN	SURVIVED	DATE
	PLOTTED	
	CHECKED	
	BY	
	NO.	

PROFILE	SURVIVED	DATE
	PLOTTED	
	CHECKED	
	BY	
	NO.	



LEGEND
 XXX.XX PROPOSED ELEVATION
 (XXX.XX) EXISTING ELEVATION

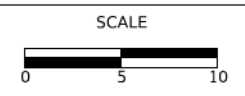
MODEL: SHODLNAME
 FILE NAME: ...31278_00_Park.dgn



Two Pierce Place, Suite 1400
 Itasca, Illinois 60143
 Tel: 630.773.3900 Fax: 630.773.3975
 www.civiltechinc.com

DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE - 1/03/2019	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



INTERSECTION GRADING PLAN
PARK AVENUE
 SHEET 1 OF 3 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1262	17-00103-00-PV	LAKE	93	31
CONTRACT NO. 61F47				
ILLINOIS FED. AID PROJECT				

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

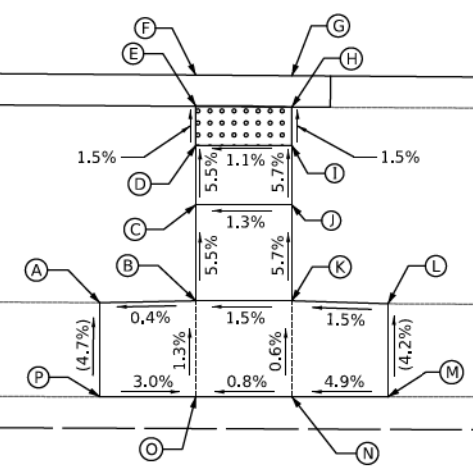
PROFILE	SURVIVED	DATE
	PLOTTED	BY
NOTE BOOK NO.	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	

CRABTREE (SE QUADRANT)			
	STATION	OFFSET	ELEVATION
A	20+76.14	24.20' RT	(665.52)
B	20+81.14	24.08' RT	665.54
C	20+81.12	19.08' RT	665.26
D	20+81.10	15.98' RT	665.09
E	20+81.09	13.92' RT	665.06
F	20+81.09	12.32' RT	(665.07)
G	20+86.09	12.33' RT	(665.13)
H	20+86.09	13.96' RT	665.12
I	20+86.10	15.96' RT	665.15
J	20+86.12	19.05' RT	665.33
K	20+86.14	24.05' RT	665.61
L	20+91.14	24.18' RT	(665.69)
M	20+91.17	29.03' RT	(665.89)
N	20+86.17	29.05' RT	(664.16)
O	20+81.17	29.08' RT	665.60
P	20+76.17	29.09' RT	(665.75)

20+00

21

GREENWOOD AVENUE



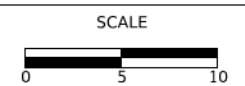
MODEL SHODLNAME
FILE NAME: .\3278_ADA03_Crabtree 5.dgn



Two Pierce Place, Suite 1400
Itasca, Illinois 60143
Tel: 630.773.3900 Fax: 630.773.3975
www.civiltechinc.com

DESIGNED - JRR	REVISED -
DRAWN - TGB	REVISED -
CHECKED - KRK	REVISED -
DATE - 1/03/2019	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



ADA GRADING

SHEET 3 OF 24 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1262	17-00103-00-PV	LAKE	93	36
CONTRACT NO. 61F47				
ILLINOIS FED. AID PROJECT				

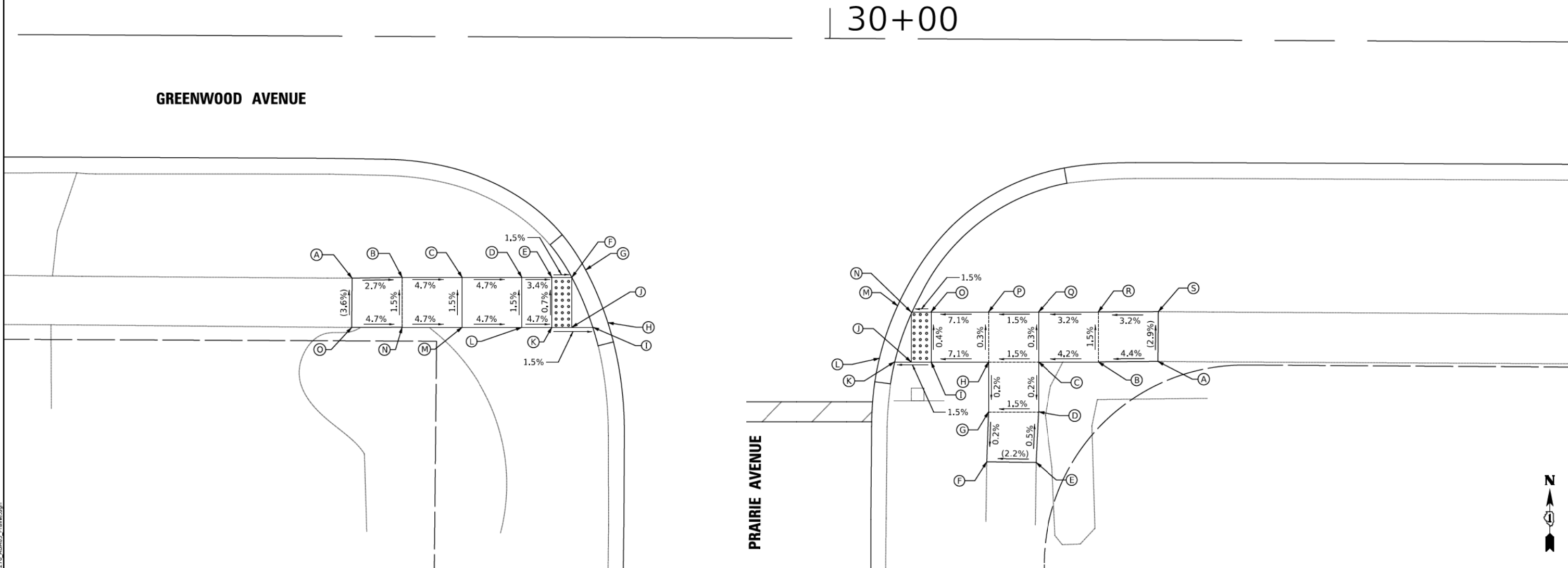
PLAN	SUBMITTED	DATE
	PLOTTED	
	ALIGNED	
	CHECKED	
	FILE NAME	
	NO.	

PRAIRIE (SW QUADRANT)			
	STATION	OFFSET	ELEVATION
A	29+52.32	24.21' RT	(670.55)
B	29+57.32	24.10' RT	670.41
C	29+63.32	24.08' RT	670.13
D	29+69.32	24.05' RT	669.85
E	29+72.32	24.03' RT	669.75
F	29+74.32	24.03' RT	669.72
G	29+75.68	23.28' RT	(669.73)
H	29+77.92	28.54' RT	(669.73)
I	29+76.47	29.02' RT	669.72
J	29+74.34	29.03' RT	669.75
K	29+72.34	29.03' RT	669.78
L	29+69.34	29.05 RT	669.92
M	29+63.34	29.08' RT	670.21
N	29+57.34	29.10' RT	670.49
O	29+52.30	29.15' RT	(670.73)

PRAIRIE (SE QUADRANT)			
	STATION	OFFSET	ELEVATION
A	30+32.97	32.17' RT	(670.78)
B	30+27.01	32.24' RT	670.52
C	30+21.01	32.27' RT	670.27
D	30+21.03	37.27' RT	670.26
E	30+20.81	42.33' RT	(670.28)
F	30+15.87	42.29' RT	(670.18)
G	30+16.03	37.29' RT	670.18
H	30+16.01	32.29' RT	670.19
I	30+10.26	32.32' RT	669.79
J	30+08.26	32.33' RT	669.76

PRAIRIE (SE QUADRANT)			
	STATION	OFFSET	ELEVATION
K	30+06.60	32.34' RT	669.73
L	30+05.11	31.98' RT	(669.74)
M	30+06.9	26.73' RT	(669.75)
N	30+08.23	27.33' RT	669.74
O	30+10.23	27.32' RT	669.77
P	30+15.98	27.29' RT	670.18
Q	30+20.98	27.27' RT	670.25
R	30+26.98	27.24' RT	670.45
S	30+32.98	27.19' RT	(670.64)

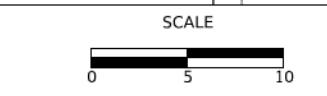
PROFILE	SUBMITTED	DATE
	PLOTTED	
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	NO.	



CIVILTECH
 Two Pierce Place, Suite 1400
 Itasca, Illinois 60143
 Tel: 630.773.3900 Fax: 630.773.3975
 www.civiltechinc.com

DESIGNED -	JRR	REVISED -	
DRAWN -	TGB	REVISED -	
CHECKED -	KRK	REVISED -	
DATE -	1/03/2019	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



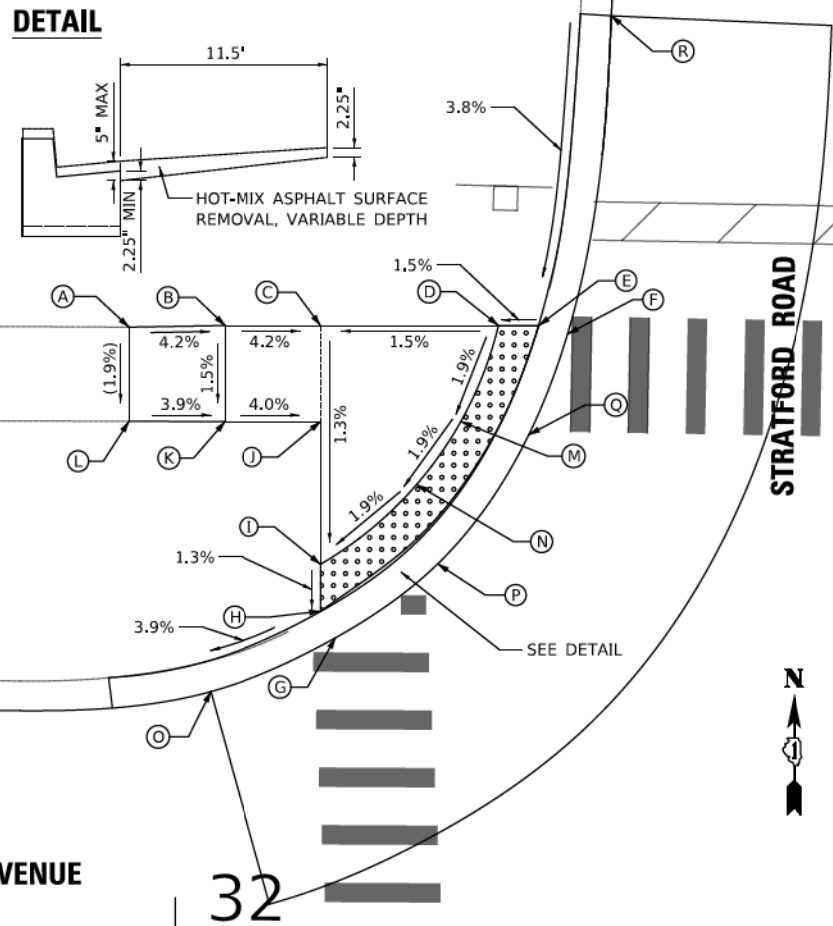
ADA GRADING
 SHEET 5 OF 24 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1262	17-00103-00-PV	LAKE	93	38
CONTRACT NO. 61F47				
ILLINOIS FED. AID PROJECT				

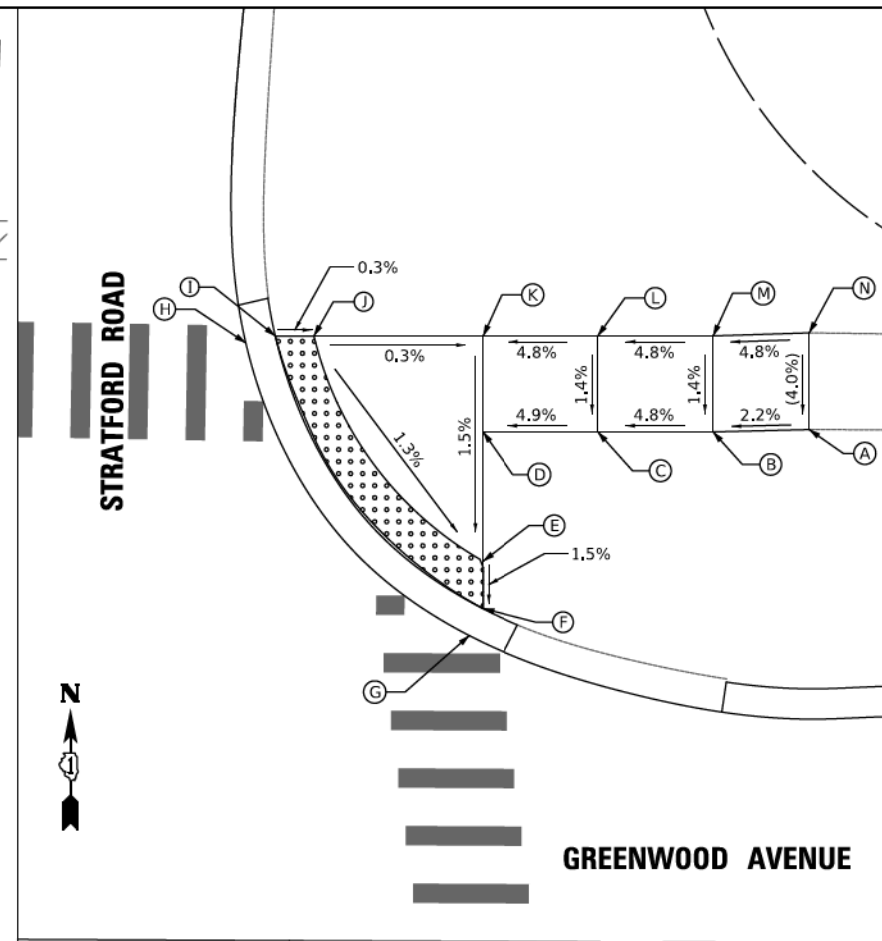
DATE	
BY	
SURVIVED	
PLOTTED	
ALIGNED	
CHECKED	
NO. 1	
NO. 2	
NO. 3	
NO. 4	
NO. 5	
NO. 6	
NO. 7	
NO. 8	
NO. 9	
NO. 10	
NO. 11	
NO. 12	
NO. 13	
NO. 14	
NO. 15	
NO. 16	
NO. 17	
NO. 18	
NO. 19	
NO. 20	
NO. 21	
NO. 22	
NO. 23	
NO. 24	
NO. 25	
NO. 26	
NO. 27	
NO. 28	
NO. 29	
NO. 30	
NO. 31	
NO. 32	
NO. 33	
NO. 34	
NO. 35	
NO. 36	
NO. 37	
NO. 38	
NO. 39	
NO. 40	
NO. 41	
NO. 42	
NO. 43	
NO. 44	
NO. 45	
NO. 46	
NO. 47	
NO. 48	
NO. 49	
NO. 50	
NO. 51	
NO. 52	
NO. 53	
NO. 54	
NO. 55	
NO. 56	
NO. 57	
NO. 58	
NO. 59	
NO. 60	
NO. 61	
NO. 62	
NO. 63	
NO. 64	
NO. 65	
NO. 66	
NO. 67	
NO. 68	
NO. 69	
NO. 70	
NO. 71	
NO. 72	
NO. 73	
NO. 74	
NO. 75	
NO. 76	
NO. 77	
NO. 78	
NO. 79	
NO. 80	
NO. 81	
NO. 82	
NO. 83	
NO. 84	
NO. 85	
NO. 86	
NO. 87	
NO. 88	
NO. 89	
NO. 90	
NO. 91	
NO. 92	
NO. 93	
NO. 94	
NO. 95	
NO. 96	
NO. 97	
NO. 98	
NO. 99	
NO. 100	

DATE	
BY	
SURVIVED	
PLOTTED	
ALIGNED	
CHECKED	
NO. 1	
NO. 2	
NO. 3	
NO. 4	
NO. 5	
NO. 6	
NO. 7	
NO. 8	
NO. 9	
NO. 10	
NO. 11	
NO. 12	
NO. 13	
NO. 14	
NO. 15	
NO. 16	
NO. 17	
NO. 18	
NO. 19	
NO. 20	
NO. 21	
NO. 22	
NO. 23	
NO. 24	
NO. 25	
NO. 26	
NO. 27	
NO. 28	
NO. 29	
NO. 30	
NO. 31	
NO. 32	
NO. 33	
NO. 34	
NO. 35	
NO. 36	
NO. 37	
NO. 38	
NO. 39	
NO. 40	
NO. 41	
NO. 42	
NO. 43	
NO. 44	
NO. 45	
NO. 46	
NO. 47	
NO. 48	
NO. 49	
NO. 50	
NO. 51	
NO. 52	
NO. 53	
NO. 54	
NO. 55	
NO. 56	
NO. 57	
NO. 58	
NO. 59	
NO. 60	
NO. 61	
NO. 62	
NO. 63	
NO. 64	
NO. 65	
NO. 66	
NO. 67	
NO. 68	
NO. 69	
NO. 70	
NO. 71	
NO. 72	
NO. 73	
NO. 74	
NO. 75	
NO. 76	
NO. 77	
NO. 78	
NO. 79	
NO. 80	
NO. 81	
NO. 82	
NO. 83	
NO. 84	
NO. 85	
NO. 86	
NO. 87	
NO. 88	
NO. 89	
NO. 90	
NO. 91	
NO. 92	
NO. 93	
NO. 94	
NO. 95	
NO. 96	
NO. 97	
NO. 98	
NO. 99	
NO. 100	

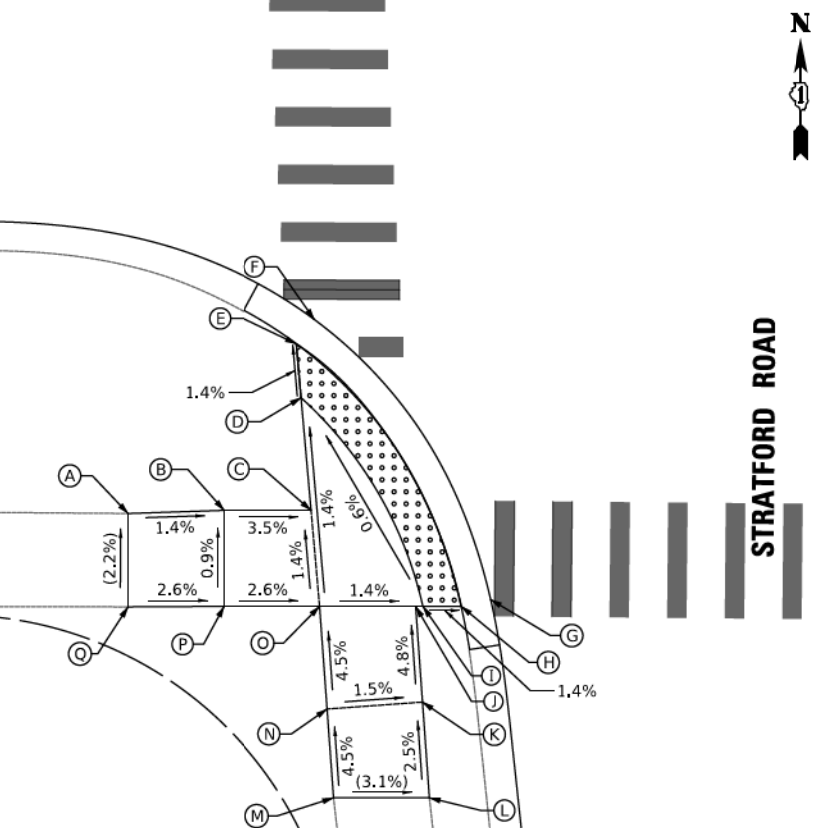
STRATFORD (NW QUADRANT)			
	STATION	OFFSET	ELEVATION
A	31+97.45	31.70' LT	(671.53)
B	32+02.45	31.81' LT	671.33
C	32+07.45	31.84' LT	671.12
D	32+16.71	31.88' LT	671.25
E	32+18.81	31.89' LT	671.29
F	32+20.30	31.45' LT	671.31
G	32+08.30	15.58' LT	670.91
H	32+07.52	16.96' LT	670.92
I	32+07.51	19.40' LT	670.95
J	32+07.47	26.84' LT	671.05
K	32+02.47	26.81' LT	671.25
L	31+97.47	26.80' LT	(671.44)
M	32+14.77	26.87' LT	671.15
N	32+12.49	23.57' LT	671.08
O	32+01.80	12.75' LT	(670.67)
P	32+13.61	19.45' LT	671.02
Q	32+18.31	26.20' LT	671.21
R	32+22.50	48.04' LT	(671.92)



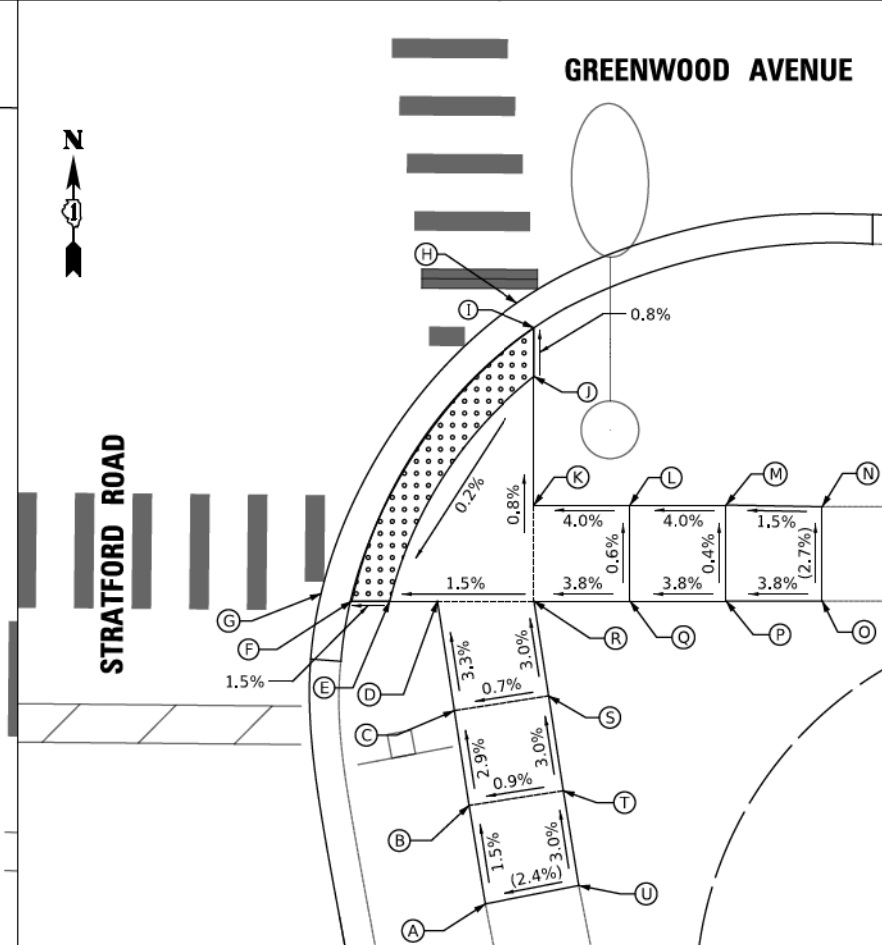
STRATFORD (NE QUADRANT)			
	STATION	OFFSET	ELEVATION
A	32+76.96	26.75' LT	(671.99)
B	32+71.96	26.60' LT	671.88
C	32+65.96	26.58' LT	671.59
D	32+59.97	26.55' LT	671.30
E	32+60.00	19.81' LT	671.20
F	32+60.01	17.35' LT	671.16
G	32+59.29	15.95' LT	(671.17)
H	32+47.60	31.13' LT	(671.42)
I	32+49.13	31.50' LT	671.41
J	32+51.13	31.51' LT	671.40
K	32+59.94	31.55' LT	671.37
L	32+65.94	31.58' LT	671.66
M	32+71.94	11.68' LT	671.95
N	32+76.94	31.79' LT	(664.16)



STRATFORD (SW QUADRANT)			
	STATION	OFFSET	ELEVATION
A	32+00.71	27.40' RT	(671.14)
B	32+05.70	27.21' RT	671.07
C	32+10.26	27.19' RT	670.91
D	32+09.71	21.33' RT	670.83
E	32+09.45	18.52' RT	670.79
F	32+10.38	17.26' RT	(670.80)
G	32+19.62	31.80' RT	(670.89)
H	32+18.10	32.15' RT	670.88
I	32+16.10	32.16' RT	670.91
J	32+15.73	32.17' RT	670.91
K	32+16.11	37.15' RT	671.15
L	32+16.49	42.14' RT	671.28
M	32+11.50	42.16' RT	671.43
N	32+11.14	37.54' RT	671.22
O	32+10.73	32.19' RT	670.98
P	32+05.73	32.21' RT	671.12
Q	32+00.73	32.26' RT	(671.25)



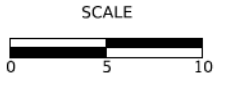
STRATFORD (SE QUADRANT)			
	STATION	OFFSET	ELEVATION
A	32+62.30	48.06' RT	(671.37)
B	32+61.42	42.93' RT	671.29
C	32+60.64	37.99' RT	671.15
D	32+59.73	32.29' RT	670.96
E	32+57.25	32.30' RT	670.92
F	32+55.27	32.31' RT	670.89
G	32+53.68	31.94' RT	(670.90)
H	32+63.82	16.76' RT	(670.94)
I	32+64.72	18.04' RT	670.93
J	32+64.73	20.56' RT	670.95
K	32+64.76	27.27' RT	671.00
L	32+69.76	27.24' RT	671.20
M	32+74.76	27.22' RT	671.40
N	32+79.76	27.29' RT	(671.47)
O	32+79.79	32.20' RT	(671.61)
P	32+74.79	32.22' RT	671.42
Q	32+69.79	32.24' RT	671.23
R	32+64.79	32.27' RT	671.04
S	32+65.57	37.21' RT	671.19
T	32+66.36	42.14' RT	671.34
U	32+67.19	47.07' RT	(671.49)



CIVILTECH
Two Pierce Place, Suite 1400
Itasca, Illinois 60143
Tel: 630.773.3900 Fax: 630.773.3975
www.civiltechinc.com

DESIGNED -	JRR	REVISED -	
DRAWN -	TGB	REVISED -	
CHECKED -	KRK	REVISED -	
DATE -	1/03/2019	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

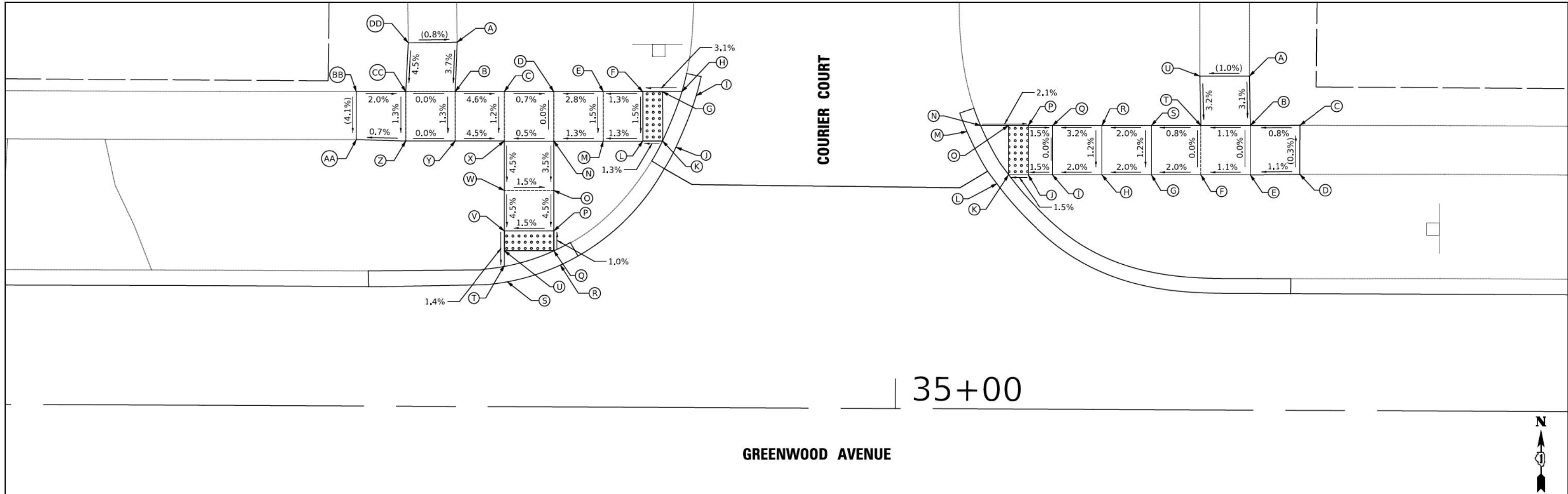


ADA GRADING
SHEET 6 OF 24 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1262	17-00103-00-PV	LAKE	93	39
CONTRACT NO. 61F47				
ILLINOIS FED. AID PROJECT				

PLAN	SURVIVED	DATE
	PLOTTED	
	ALIGNED	
	CHECKED	
	FILE NAME	
	NO.	

PROFILE	SURVIVED	DATE
	PLOTTED	
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	NO.	



COURIER (NW QUADRANT)			
	STATION	OFFSET	ELEVATION
A	34+55.47	36.83' LT	(672.67)
B	34+55.31	31.83' LT	672.48
C	34+60.31	31.86' LT	672.25
D	34+65.31	31.88' LT	672.22
E	34+70.31	31.91' LT	672.36
F	34+74.31	31.93' LT	672.41
G	34+76.31	31.94' LT	672.47
H	34+78.27	31.95' LT	672.54
I	34+79.69	31.53' LT	(672.55)
J	34+77.67	26.33' LT	(672.37)
K	34+76.33	26.94' LT	672.36
L	34+74.33	26.93' LT	672.34
M	34+70.33	26.91' LT	672.28
N	34+65.33	26.89' LT	672.22
O	34+65.35	21.89' LT	672.04

COURIER (NW QUADRANT)			
	STATION	OFFSET	ELEVATION
P	34+65.37	17.79' LT	671.86
Q	34+65.38	15.79' LT	671.88
R	34+66.05	14.35' LT	(671.89)
S	34+60.70	12.63' LT	(671.74)
T	34+60.39	14.27' LT	(671.73)
U	34+60.38	15.77' LT	671.75
V	34+60.37	17.77' LT	671.78
W	34+60.35	21.87' LT	671.97
X	34+60.33	24.87' LT	672.19
Y	34+55.33	26.84' LT	672.42
Z	34+50.33	26.82' LT	672.42
AA	34+45.33	26.93' LT	(672.38)
BB	34+45.31	31.78' LT	(672.58)
CC	34+50.31	31.81' LT	672.48
DD	34+50.54	36.75' LT	(672.71)

COURIER (NE QUADRANT)			
	STATION	OFFSET	ELEVATION
A	35+35.68	33.78' LT	(672.95)
B	35+35.79	28.78' LT	672.79
C	35+40.80	28.83' LT	(672.83)
D	35+40.82	23.87' LT	(672.85)
E	35+35.82	23.78' LT	672.79
F	35+30.82	23.76' LT	672.74
G	35+25.82	23.74' LT	672.64
H	35+20.82	23.71' LT	672.54
I	35+15.82	23.69' LT	672.44
J	35+13.32	23.68' LT	672.40
K	35+11.32	23.67' LT	672.37

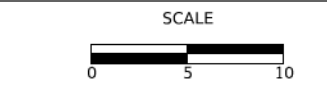
COURIER (NE QUADRANT)			
	STATION	OFFSET	ELEVATION
L	35+10.15	22.78' LT	(672.38)
M	35+07.11	28.04' LT	(672.59)
N	35+08.50	28.65' LT	672.58
O	35+11.29	28.67' LT	672.52
P	35+13.29	28.68' LT	672.48
Q	35+15.79	28.69' LT	672.44
R	35+20.79	28.71' LT	672.60
S	35+25.79	28.74' LT	672.70
T	35+30.79	28.76' LT	672.74
U	35+30.66	33.75' LT	(672.90)

MODEL: SH06LNAME5
FILE NAME: ...3278_ADA07_Courier_Nadgn

CIVILTECH
Two Pierce Place, Suite 1400
Itasca, Illinois 60143
Tel: 630.773.3900 Fax: 630.773.3975
www.civiltechinc.com

DESIGNED -	JRR	REVISED -	
DRAWN -	TGB	REVISED -	
CHECKED -	KRK	REVISED -	
DATE -	1/03/2019	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



ADA GRADING
SHEET 7 OF 24 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1262	17-00103-00-PV	LAKE	93	40
CONTRACT NO. 61F47				
ILLINOIS FED. AID PROJECT				

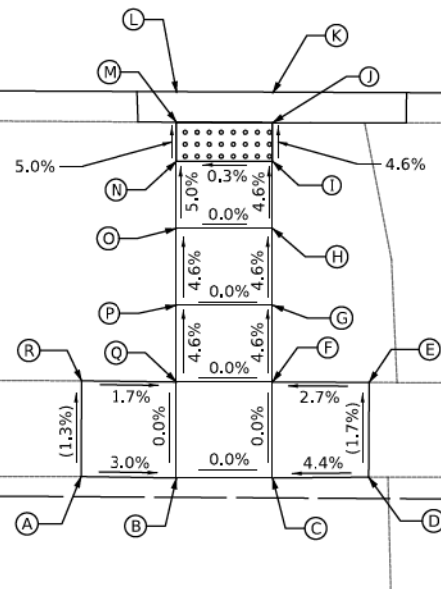
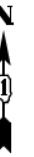
PLAN	SUBMITTED	DATE
	PLOTTED	
	ALIGNED	
	CHECKED	
	FILE NAME	
	NO.	

PROFILE	SUBMITTED	DATE
	PLOTTED	
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	NO.	

COURIER (SW QUADRANT)			
	STATION	OFFSET	ELEVATION
A	34+55.75	32.10' RT	(672.36)
B	34+60.75	32.15' RT	672.21
C	34+65.75	32.13' RT	672.21
D	34+70.75	32.06' RT	(672.43)
E	34+70.76	27.13' RT	(672.35)
F	34+65.73	27.13' RT	672.21
G	34+65.71	23.13' RT	672.03
H	34+65.69	19.13' RT	671.85
I	34+65.67	15.63' RT	671.69
J	34+65.67	13.63' RT	671.59
K	34+65.67	12.08' RT	(671.60)
L	34+60.67	12.08' RT	(671.58)
M	34+60.67	13.62' RT	671.57
N	34+60.67	15.65' RT	671.67
O	34+60.69	19.15' RT	671.85
P	34+60.71	23.15' RT	672.03
Q	34+60.73	27.15' RT	672.21
R	34+55.76	27.12' RT	(672.30)

35+00

GREENWOOD AVENUE



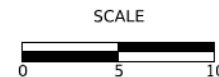
MODEL: SH06LNAME5
FILE NAME: ...33278_A0A08B_Courier_Sdgn



Two Pierce Place, Suite 1400
Itasca, Illinois 60143
Tel: 630.773.3900 Fax: 630.773.3975
www.civiltechinc.com

DESIGNED -	JRR	REVISED -	
DRAWN -	TGB	REVISED -	
CHECKED -	KRK	REVISED -	
DATE -	1/03/2019	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



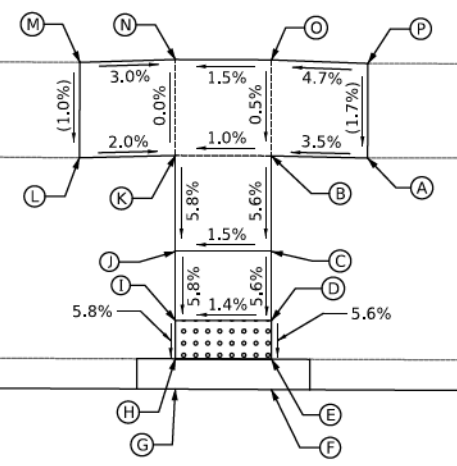
ADA GRADING

SHEET 8 OF 24 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1262	17-00103-00-PV	LAKE	93	41
CONTRACT NO. 61F47				
ILLINOIS FED. AID PROJECT				

PLAN	SURVIVED	DATE
	PLOTTED	
	ALIGNMENT CHECKED	
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	FILE NAME	
	NO.	

PROFILE	SURVIVED	DATE
	PLOTTED	
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	FILE NAME	
	NO.	



36

37

GREENWOOD AVENUE



WAYNE (NW QUADRANT)			
	STATION	OFFSET	ELEVATION
A	30+20.21	23.89' LT	(673.77)
B	36+15.21	23.98' LT	673.60
C	36+15.23	19.00' LT	673.32
D	36+15.25	15.41' LT	673.12
E	36+15.26	13.39' LT	673.01
F	36+15.26	11.81' LT	(673.02)
G	36+10.26	11.81' LT	(672.95)
H	36+10.26	13.39' LT	672.94
I	36+10.25	15.39' LT	673.05
J	36+10.23	18.98' LT	673.26
K	36+10.21	23.98' LT	673.55
L	36+05.21	23.84' LT	(673.65)
M	36+05.22	28.81' LT	(673.70)
N	36+10.19	28.98' LT	673.55
O	36+15.19	28.98' LT	673.62
P	36+20.20	28.82' LT	(673.86)

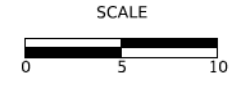
MODEL: SH06LNAME5
FILE NAME: ...33278_A0A09_Wayne_N.dgn



Two Pierce Place, Suite 1400
Itasca, Illinois 60143
Tel: 630.773.3900 Fax: 630.773.3975
www.civiltechinc.com

DESIGNED -	JRR	REVISED -	
DRAWN -	TGB	REVISED -	
CHECKED -	KRK	REVISED -	
DATE -	1/03/2019	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



ADA GRADING

SHEET 9 OF 24 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1262	17-00103-00-PV	LAKE	93	42
CONTRACT NO. 61F47				
ILLINOIS FED. AID PROJECT				

PLAN	SUBMITTED	DATE
	PLOTTED	
	ALIGNED	
	CHECKED	
	FILE NAME	
NOTE BOOK NO.		

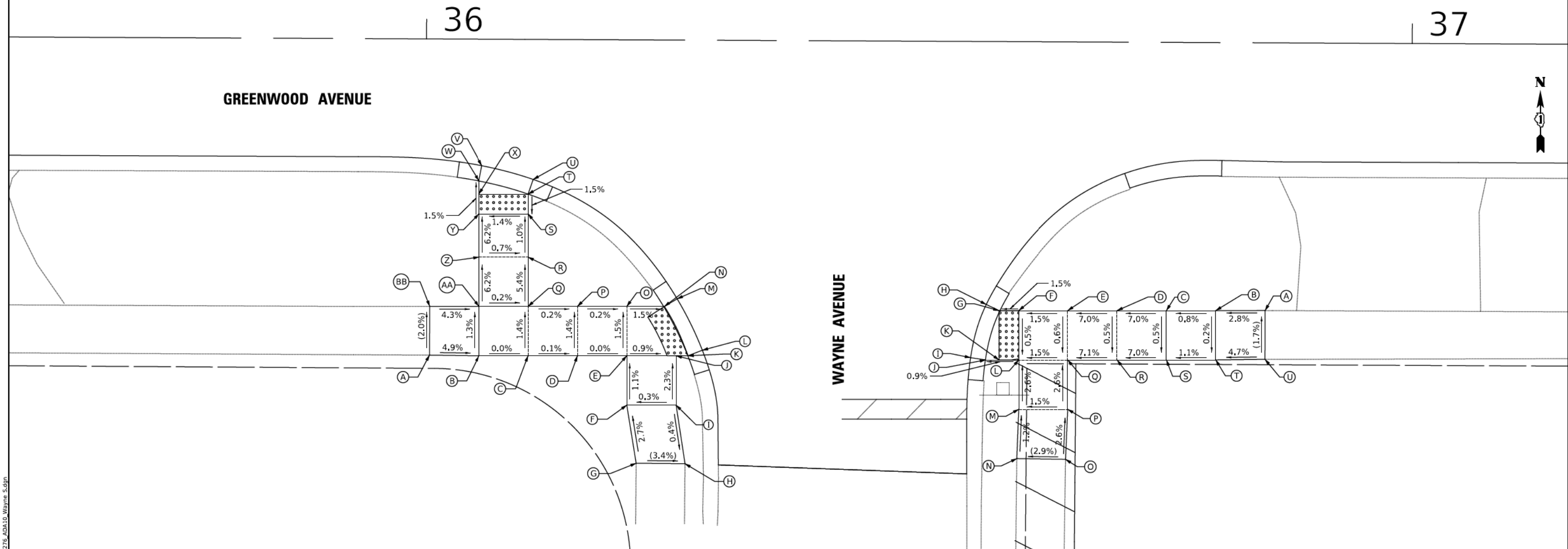
PROFILE	SUBMITTED	DATE
	PLOTTED	
	GRADES CHECKED	
	STRUCTURE NOTATIONS OK'D	
NOTE BOOK NO.		

WAYNE (SW QUADRANT)			
	STATION	OFFSET	ELEVATION
A	36+00.44	32.04' RT	(673.88)
B	36+05.47	32.09' LT	673.63
C	36+10.47	32.06' RT	673.63
D	36+15.47	32.04' RT	673.62
E	36+20.47	32.02' RT	673.62
F	36+20.50	37.02' RT	673.67
G	36+21.47	42.90' RT	(673.83)
H	36+26.42	42.92' RT	(673.66)
I	36+25.50	36.99' RT	673.68
J	36+25.47	31.99' RT	673.57
K	36+26.68	31.99' RT	673.56
L	36+28.11	31.42' RT	(673.57)
M	36+25.54	26.23' RT	(673.49)
N	36+24.26	27.00' RT	673.48

WAYNE (SW QUADRANT)			
	STATION	OFFSET	ELEVATION
O	36+20.45	27.02' RT	673.54
P	36+15.45	27.04' RT	673.55
Q	36+10.45	27.06' RT	673.56
R	36+10.43	22.06' RT	673.29
S	36+10.40	17.68' RT	673.05
T	36+10.40	15.68' RT	673.08
U	36+10.90	14.20' RT	(673.09)
V	36+05.68	12.83' RT	(672.94)
W	36+05.39	14.37' RT	672.93
X	36+05.40	15.70' RT	672.95
Y	36+05.41	17.70' RT	672.98
Z	36+05.43	22.09' RT	673.26
AA	36+05.45	27.09' RT	673.57
BB	36+00.45	27.10' RT	(673.78)

WAYNE (SW QUADRANT)			
	STATION	OFFSET	ELEVATION
A	36+85.18	27.13' RT	(674.74)
B	36+80.18	27.16' RT	674.60
C	36+75.18	27.18' RT	674.56
D	36+70.18	27.21' RT	674.21
E	36+65.18	27.23' RT	673.86
F	36+60.18	27.25' RT	673.78
G	36+58.18	27.26' RT	673.75
H	36+56.89	26.65' RT	(673.76)
I	36+55.33	32.05' RT	(673.73)
J	36+56.85	32.27' RT	673.72
K	36+58.20	32.26' RT	673.73

WAYNE (SW QUADRANT)			
	STATION	OFFSET	ELEVATION
L	36+60.20	32.25' RT	673.75
M	36+60.22	37.25' RT	673.88
N	36+60.05	42.25' RT	(673.94)
O	36+65.03	42.30' RT	(674.09)
P	36+65.22	37.23' RT	673.96
Q	36+65.20	32.23' RT	673.83
R	36+70.20	32.21' RT	674.18
S	36+75.20	32.18' RT	674.53
T	36+80.20	32.16' RT	674.59
U	36+85.18	32.07' RT	(674.82)

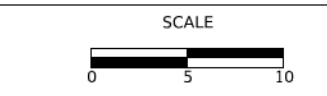


MODEL: SH06LNAME5
FILE NAME: ...3276 ADA10 Wayne S.dgn

CIVILTECH
Two Pierce Place, Suite 1400
Itasca, Illinois 60143
Tel: 630.773.3900 Fax: 630.773.3975
www.civiltechinc.com

DESIGNED -	JRR	REVISED -	
DRAWN -	TGB	REVISED -	
CHECKED -	KRK	REVISED -	
DATE -	1/03/2019	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



ADA GRADING
SHEET 10 OF 24 SHEETS

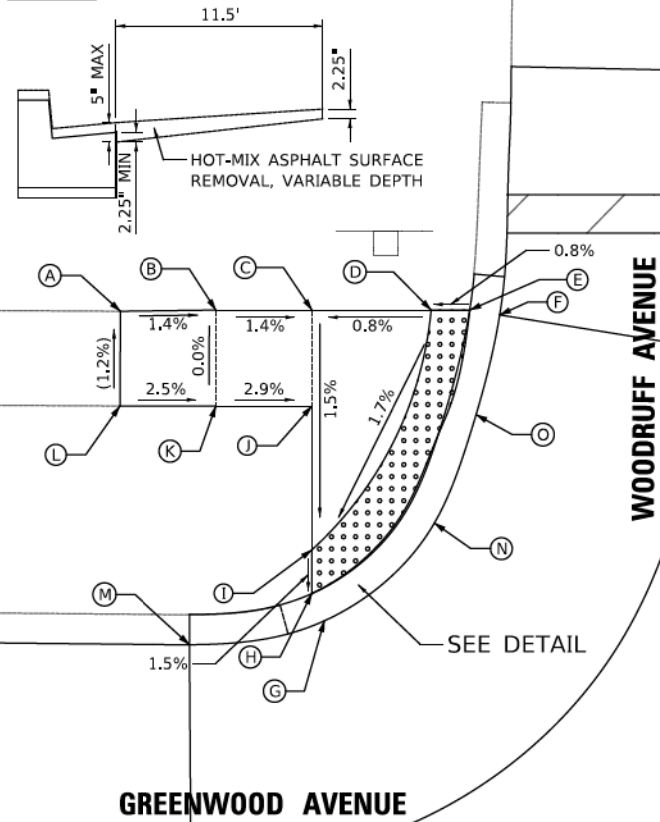
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1262	17-00103-00-PV	LAKE	93	43
CONTRACT NO. 61F47				
ILLINOIS FED. AID PROJECT				

PLAN	SURVIVED	DATE
	PLOTTED	BY
	ALIGNED	
	CHECKED	
	NO.	
	NOTE BOOK	
	NO.	
	FILE NAME	

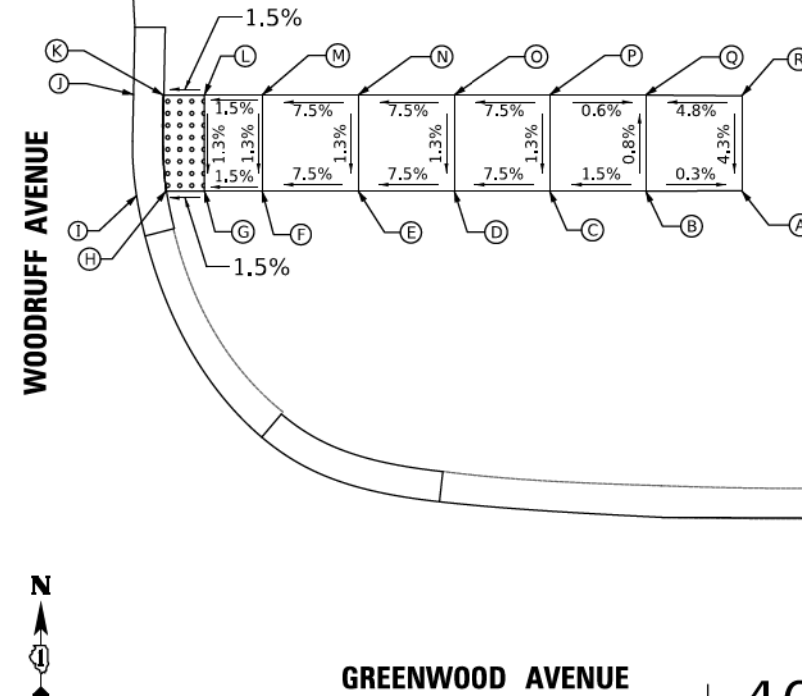
PROFILE	SURVIVED	DATE
	PLOTTED	BY
	GRADES	
	CHECKED	
	NO.	
	NOTE BOOK	
	NO.	
	FILE NAME	

WOODRUFF (NW QUADRANT)			
	STATION	OFFSET	ELEVATION
A	39+24.64	29.11' LT	(678.60)
B	39+29.64	29.19' LT	678.53
C	39+34.64	29.22' LT	678.46
D	39+40.84	29.25' LT	678.51
E	39+42.86	29.26' LT	678.53
F	39+44.40	29.01' LT	(678.54)
G	39+35.36	13.04' LT	678.25
H	39+34.71	14.45' LT	678.24
I	39+34.70	16.73' LT	678.27
J	39+34.67	24.22' LT	678.39
K	39+29.67	24.19' LT	678.53
L	39+24.64	24.17' LT	(678.66)
M	39+28.35	11.76' LT	(677.97)
N	39+41.07	18.16' LT	678.37
O	39+43.21	23.81' LT	678.46

DETAIL



WOODRUFF (NE QUADRANT)			
	STATION	OFFSET	ELEVATION
A	40+01.64	28.73' LT	(679.89)
B	39+96.64	28.69' LT	679.90
C	39+91.64	28.67' LT	679.82
D	39+86.64	28.65' LT	679.45
E	39+81.64	28.62' LT	679.07
F	39+76.64	28.60' LT	678.70
G	39+73.64	28.59' LT	678.70
H	39+71.64	28.58' LT	678.62
I	39+70.11	28.33' LT	(678.63)
J	39+69.93	33.60' LT	(678.70)
K	39+71.48	33.58' LT	678.69
L	39+73.62	33.59' LT	678.72
M	39+76.62	33.60' LT	678.76
N	39+81.62	33.62' LT	679.14
O	39+86.62	33.65' LT	679.51
P	39+91.62	33.67' LT	679.89
Q	39+96.62	33.69' LT	679.86
R	40+01.62	33.68' LT	(680.10)



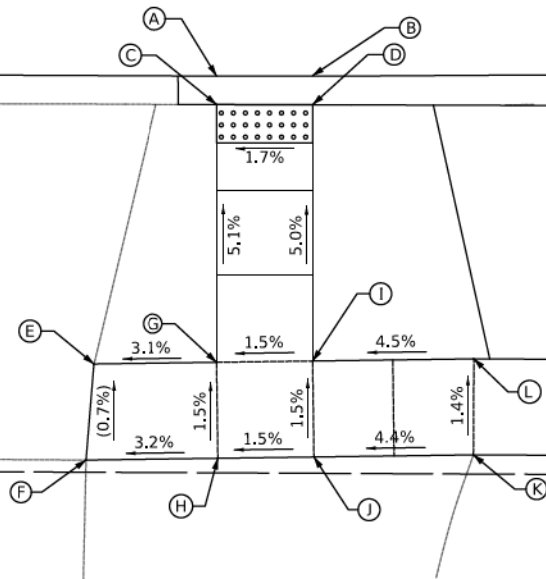
39

40+00

39

GREENWOOD AVENUE

WOODRUFF (SW QUADRANT)			
	STATION	OFFSET	ELEVATION
A	39+34.83	11.95' RT	(678.03)
B	39+39.83	11.92' RT	(678.12)
C	39+34.84	13.45' RT	678.02
D	39+39.84	13.43' RT	678.11
E	39+28.48	26.99' RT	(678.50)
F	39+28.10	32.00' RT	(678.56)
G	39+34.90	26.88' RT	678.70
H	39+34.99	31.88' RT	678.78
I	39+39.90	26.79' RT	678.78
J	39+39.99	31.79' RT	678.86
K	39+48.29	31.64' RT	(679.23)
L	39+48.29	26.64' RT	(679.16)



MODEL: SH06LNAME5
FILE NAME: ...3276_ADA11_Woodruff.dgn

CIVILTECH
Two Pierce Place, Suite 1400
Itasca, Illinois 60143
Tel: 630.773.3900 Fax: 630.773.3975
www.civiltechinc.com

DESIGNED -	JRR	REVISED -	
DRAWN -	TGB	REVISED -	
CHECKED -	KRK	REVISED -	
DATE -	1/03/2019	REVISED -	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**



ADA GRADING

SHEET 11 OF 24 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1262	17-00103-00-PV	LAKE	93	44
CONTRACT NO. 61F47				
ILLINOIS FED. AID PROJECT				

PLAN	SUBMITTED	DATE
	PLOTTED	
	ALIGNED	
	CHECKED	
	NOTED	
	FILE NAME	
NOTE BOOK NO.		

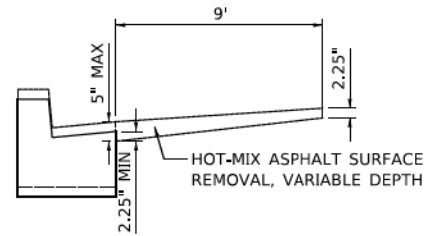
PROFILE	SUBMITTED	DATE
	PLOTTED	
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
NOTE BOOK NO.		

OAKLEY (SW QUADRANT)			
	STATION	OFFSET	ELEVATION
A	41+60.43	31.59' RT	(682.82)
B	41+60.05	26.42' RT	(682.75)
C	41+58.48	26.65' RT	682.74
D	41+58.85	31.65' RT	682.81
E	41+58.48	31.65' RT	682.82
F	41+49.18	31.65' RT	(682.97)
G	41+49.18	26.65' RT	682.89
H	41+37.85	26.65' RT	682.89
I	41+37.85	31.65' RT	(682.97)

OAKLEY (SE QUADRANT)			
	STATION	OFFSET	ELEVATION
A	42+18.93	31.25' RT	(684.70)
B	42+13.93	31.35' RT	684.64
C	42+08.93	31.37' RT	684.54
D	42+08.93	32.36' RT	(684.59)
E	42+05.96	32.35' RT	(684.53)
F	42+05.96	31.35' RT	684.49
G	42+00.97	32.38' RT	684.11
H	41+95.97	32.41' RT	683.72
I	41+90.97	32.43' RT	683.34
J	41+90.99	37.43' RT	683.75
K	41+91.02	42.43' RT	684.16
L	41+91.05	47.43' RT	(684.46)
M	41+86.14	47.41' RT	(684.18)
N	41+86.02	42.45' RT	684.08
O	41+85.99	37.45' RT	683.68
P	41+85.97	32.45' RT	683.29

OAKLEY (SE QUADRANT)			
	STATION	OFFSET	ELEVATION
Q	41+82.95	32.47' RT	683.04
R	41+80.95	32.48' RT	683.00
S	41+79.35	32.51' RT	683.01
T	41+79.40	27.38' RT	(682.93)
U	41+80.85	27.48' RT	682.92
V	41+82.92	27.47' RT	682.96
W	41+85.95	27.45' RT	693.19
X	41+90.95	27.43' RT	683.26
Y	41+95.95	27.41' RT	683.64
Z	42+00.95	27.38' RT	684.04
AA	42+05.94	27.36' RT	684.43
BB	42+09.94	27.34' RT	684.50
CC	42+13.91	27.32' RT	684.58
DD	42+18.93	27.33' RT	(684.69)
EE	42+09.96	31.37' RT	684.56
FF	41+79.56	42.41' RT	(683.12)

DETAIL

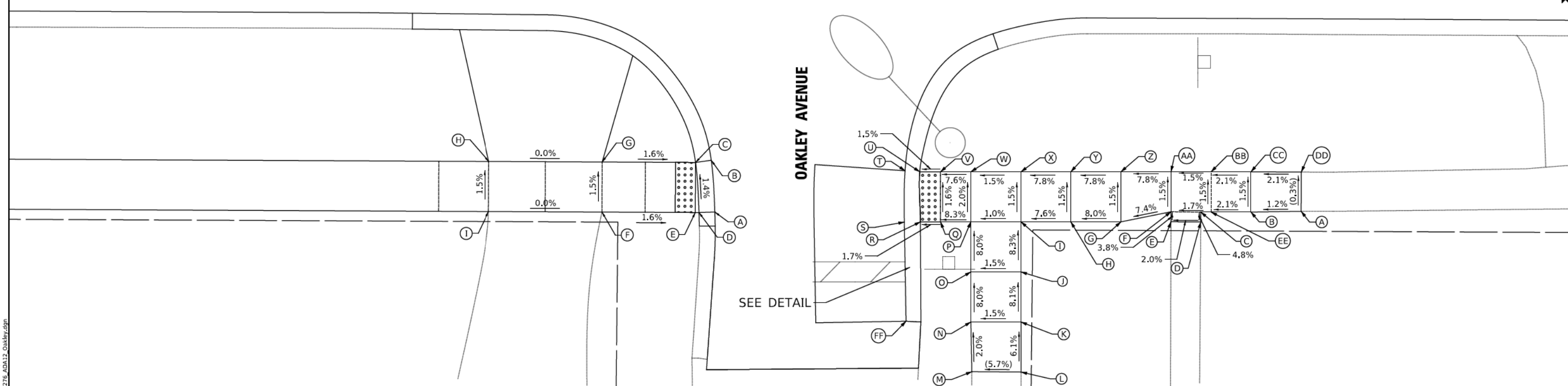


41

42

GREENWOOD AVENUE

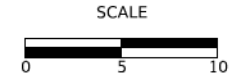
OAKLEY AVENUE



CIVILTECH
Two Pierce Place, Suite 1400
Itasca, Illinois 60143
Tel: 630.773.3900 Fax: 630.773.3975
www.civiltechinc.com

DESIGNED -	JRR	REVISED -	
DRAWN -	TGB	REVISED -	
CHECKED -	KRK	REVISED -	
DATE -	1/03/2019	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



ADA GRADING

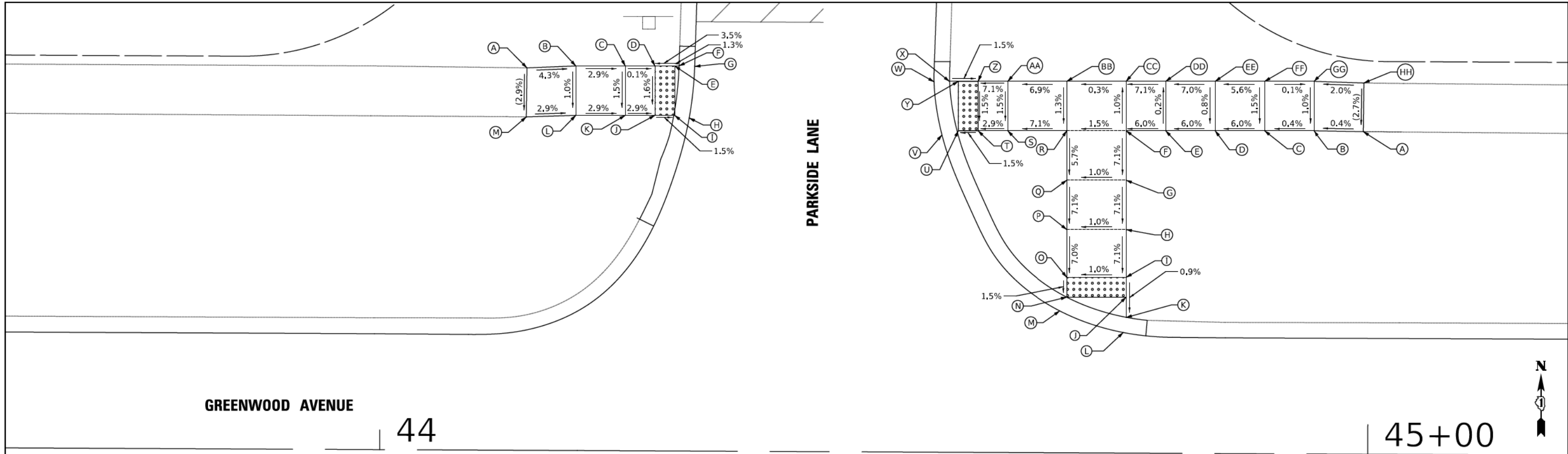
SHEET 12 OF 24 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1262	17-00103-00-PV	LAKE	93	45
CONTRACT NO. 61F47				
ILLINOIS FED. AID PROJECT				

MODEL: SH06LNAME5
FILE NAME: ...3276_ADA12_Oakley.dgn

PLAN	SURVIVED	DATE
	PLOTTED	
	ALIGNED	
	CHECKED	
	NOTED	
	CADD FILE NAME	
NOTE BOOK NO.		

PROFILE	SURVIVED	DATE
	PLOTTED	
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
NOTE BOOK NO.		



PARKSIDE (NW QUADRANT)			
	STATION	OFFSET	ELEVATION
A	44+14.75	38.70' LT	(686.48)
B	44+19.68	38.92' LT	686.27
C	44+24.68	38.94' LT	686.13
D	44+27.68	38.96' LT	686.05
E	44+29.68	38.97' LT	686.12
F	44+30.12	38.97' LT	686.12
G	44+31.69	38.92' LT	(686.13)
H	44+31.16	33.71' LT	(685.95)
I	44+29.70	33.97' LT	685.94
J	44+27.70	33.96' LT	685.97
K	44+24.70	33.94' LT	686.05
L	44+19.70	33.92' LT	686.19
M	44+14.70	33.74' LT	(686.34)

PARKSIDE (NE QUADRANT)			
	STATION	OFFSET	ELEVATION
A	44+99.41	32.64' LT	(687.60)
B	44+94.39	32.71' LT	687.58
C	44+89.39	32.68' LT	687.56
D	44+84.39	32.66' LT	687.31
E	44+79.39	32.64' LT	687.01
F	44+75.39	32.62' LT	686.77
G	44+75.42	27.62' LT	686.41
H	44+75.44	22.62' LT	686.06
I	44+75.46	17.78' LT	685.72
J	44+75.47	15.78' LT	685.70
K	44+75.48	13.72' LT	685.68
L	44+75.20	12.21' LT	(685.69)
M	44+68.77	14.37' LT	(685.64)
N	44+69.47	15.76' LT	685.63
O	44+69.46	17.76' LT	685.66
P	44+69.44	22.59' LT	686.00
Q	44+69.42	27.59' LT	686.35

PARKSIDE (NE QUADRANT)			
	STATION	OFFSET	ELEVATION
R	44+69.39	32.59' LT	686.64
S	44+63.39	32.56' LT	686.21
T	44+60.39	32.55' LT	686.00
U	44+58.39	32.54' LT	685.97
V	44+56.75	32.11' LT	(686.01)
W	44+55.93	37.49' LT	(686.13)
X	44+57.47	37.54' LT	686.12
Y	44+58.37	37.54' LT	686.10
Z	44+60.37	37.55' LT	686.07
AA	44+63.37	37.56' LT	686.29
BB	44+69.37	37.59' LT	686.70
CC	44+75.37	37.62' LT	686.72
DD	44+79.37	37.64' LT	687.00
EE	44+84.37	37.66' LT	687.35
FF	44+89.37	37.68' LT	687.63
GG	44+97.37	37.71' LT	687.63
HH	44+99.44	37.57' LT	(687.73)

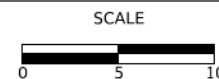
MODEL: SH06LNAME5
FILE NAME: ...3276_ADA13_Parkside_Ruign



Two Pierce Place, Suite 1400
Itasca, Illinois 60143
Tel: 630.773.3900 Fax: 630.773.3975
www.civiltechinc.com

DESIGNED -	JRR	REVISED -	
DRAWN -	TGB	REVISED -	
CHECKED -	KRK	REVISED -	
DATE -	1/03/2019	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



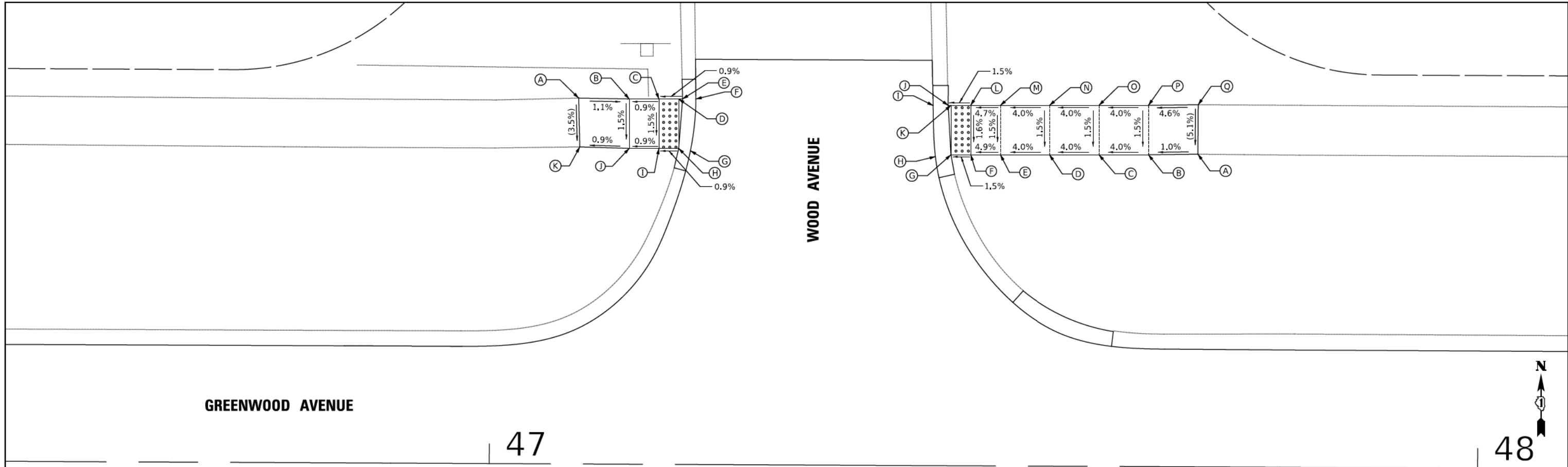
ADA GRADING

SHEET 13 OF 24 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1262	17-00103-00-PV	LAKE	93	46
CONTRACT NO. 61F47				
ILLINOIS FED. AID PROJECT				

PLAN	SURVIVED	DATE
	PLOTTED	
	ALIGNED	
	CHECKED	
	FILE NAME	
	NO.	

PROFILE	SURVIVED	DATE
	PLOTTED	
	GRADES	
	CHECKED	
	STRUCTURE	
	NOTATIONS	
	NO.	



GREENWOOD AVENUE

WOOD AVENUE

47

48

WOOD (NW QUADRANT)			
	STATION	OFFSET	ELEVATION
A	47+08.87	37.02' LT	(688.13)
B	47+13.98	36.95' LT	688.08
C	47+16.98	36.97' LT	688.10
D	47+18.98	36.97' LT	688.12
E	47+19.37	36.98' LT	688.12
F	47+20.72	36.98' LT	(688.13)
G	47+20.19	31.74' LT	(688.05)
H	47+19.00	31.97' LT	688.04
I	47+17.01	31.97' LT	688.03
J	47+14.01	31.95' LT	688.00
K	47+09.00	32.08' LT	(687.96)

PARKSIDE (NE QUADRANT)			
	STATION	OFFSET	ELEVATION
A	47+71.54	31.63' LT	(689.05)
B	47+66.54	31.55' LT	689.00
C	47+61.54	31.53' LT	688.80
D	47+56.54	31.50' LT	688.60
E	47+51.54	31.48' LT	688.40
F	47+48.54	31.47' LT	688.25
G	47+46.54	31.46' LT	688.22
H	47+44.98	31.27' LT	(688.23)
I	47+44.73	36.43' LT	(688.30)
J	47+46.24	36.46' LT	688.29
K	47+46.52	36.46' LT	688.30
L	47+48.52	36.47' LT	688.33
M	47+51.52	36.48' LT	688.47
N	47+56.52	36.50' LT	688.67
O	47+61.52	36.53' LT	688.87
P	47+66.52	36.55' LT	689.07
Q	47+71.55	27.59' LT	(689.30)

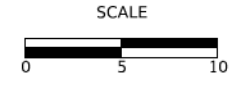
MODEL: SHODLNAME
FILE NAME: ...3278_ADA13_Wood.dgn



Two Pierce Place, Suite 1400
Itasca, Illinois 60143
Tel: 630.773.3900 Fax: 630.773.3975
www.civiltechinc.com

DESIGNED -	JRR	REVISED -	
DRAWN -	TGB	REVISED -	
CHECKED -	KRK	REVISED -	
DATE -	1/03/2019	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



ADA GRADING

SHEET 15 OF 24 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1262	17-00103-00-PV	LAKE	93	48
CONTRACT NO. 61F47				
ILLINOIS FED. AID PROJECT				

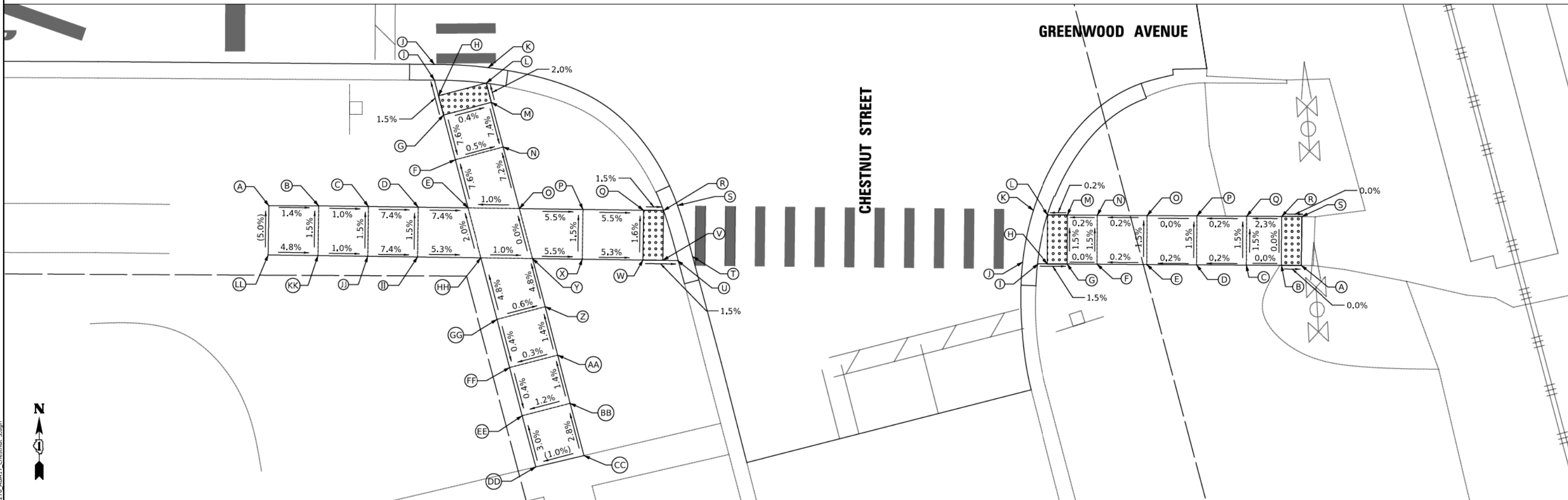
PLAN	SUBMITTED	DATE
	PLOTTED	
	ALIGNED	
	CHECKED	
	NOTES	
	FILE NAME	
NO.		

PROFILE	SUBMITTED	DATE
	PLOTTED	
	GRADES	
	CHECKED	
	STRUCTURE	
	NOTATIONS	
	CHANGED	
NO.		

CHESTNUT (SW QUADRANT)			
	STATION	OFFSET	ELEVATION
A	49+13.88	26.30' RT	(690.73)
B	49+18.88	26.29' RT	690.66
C	49+23.88	26.33' RT	690.61
D	49+28.88	26.38' RT	690.24
E	49+33.88	26.42' RT	689.87
F	49+32.59	21.59' RT	689.49
G	49+31.38	17.11' RT	689.14
H	49+30.87	15.17' RT	689.11
I	49+30.44	13.58' RT	689.08
J	49+30.44	12.03' RT	(689.09)
K	49+35.88	12.33' RT	(689.09)
L	49+35.69	13.88' RT	689.08
M	49+36.21	15.81' RT	689.12
N	49+37.42	20.30' RT	689.47
O	49+39.07	26.47' RT	689.92
P	49+45.46	26.53' RT	689.57
Q	49+51.56	26.58' RT	689.24
R	49+53.56	26.60' RT	689.21
S	49+54.96	26.09' RT	(689.22)

CHESTNUT (SW QUADRANT)			
	STATION	OFFSET	ELEVATION
T	49+56.50	31.20' RT	(689.28)
U	49+54.99	31.61' RT	689.27
V	49+53.51	31.60' RT	689.29
W	49+51.51	31.58' RT	689.32
X	49+45.42	31.53' RT	689.65
Y	49+40.42	31.48' RT	689.92
Z	49+41.71	36.31' RT	690.16
AA	49+42.99	41.47' RT	690.23
BB	49+44.26	46.01' RT	690.30
CC	49+45.68	51.25' RT	(690.45)
DD	49+40.85	52.41' RT	(690.40)
EE	49+39.45	47.27' RT	690.24
FF	49+38.17	42.44' RT	690.26
GG	49+36.88	37.61' RT	690.28
HH	49+35.23	31.44' RT	689.98
II	49+28.84	31.38' RT	690.32
JJ	49+23.84	31.33' RT	690.69
KK	49+18.84	31.29' RT	690.74
LL	49+13.84	31.24' RT	(690.98)

CHESTNUT (SE QUADRANT)			
	STATION	OFFSET	ELEVATION
A	50+17.68	31.82' RT	(688.90)
B	50+15.68	31.81' RT	688.90
C	50+12.16	31.81' RT	688.90
D	50+07.16	31.80' RT	688.89
E	50+02.16	31.79' RT	688.88
F	49+97.16	31.79' RT	688.87
G	49+94.16	31.78' RT	688.87
H	49+92.16	31.78' RT	688.90
I	49+91.22	31.78' RT	688.91
J	49+89.66	31.61' RT	(688.92)
K	49+90.72	26.41' RT	(688.80)
L	49+92.17	26.86' RT	688.79
M	49+94.17	26.86' RT	688.79
N	49+97.17	26.87' RT	688.80
O	50+02.17	26.88' RT	688.81
P	50+07.17	26.89' RT	688.81
Q	50+12.17	26.90' RT	688.82
R	50+15.69	26.90' RT	688.90
S	50+17.71	26.91' RT	(688.90)

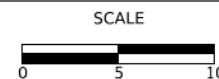


MODEL: SHODLNAME
FILE NAME: ...3278_ADA17_Chestnut_S.dgn

CIVILTECH
Two Pierce Place, Suite 1400
Itasca, Illinois 60143
Tel: 630.773.3900 Fax: 630.773.3975
www.civiltechinc.com

DESIGNED -	JRR	REVISED -	
DRAWN -	TGB	REVISED -	
CHECKED -	KRK	REVISED -	
DATE -	1/03/2019	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



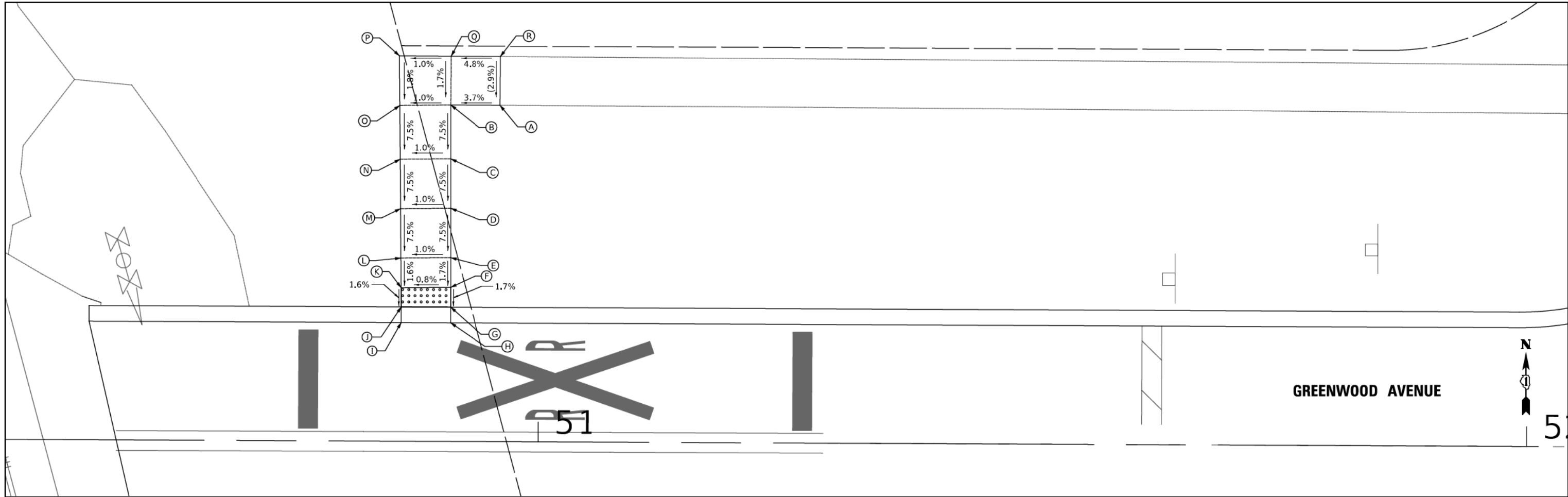
ADA GRADING

SHEET 17 OF 24 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1262	17-00103-00-PV	LAKE	93	50
CONTRACT NO. 61F47				
ILLINOIS FED. AID PROJECT				

PLAN	SURVIVED	DATE
	PLOTTED	
	ALIGNED	
	CHECKED	
	INCHES	
	CADD FILE NAME	
NOTE BOOK NO.		

PROFILE	SURVIVED	DATE
	PLOTTED	
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
NOTE BOOK NO.		



PARK (NW QUADRANT)			
	STATION	OFFSET	ELEVATION
A	50+95.98	34.02' LT	(691.01)
B	50+90.98	34.03' LT	690.82
C	50+91.00	28.58' LT	690.41
D	50+91.02	23.58' LT	690.04
E	50+91.04	18.58' LT	689.66
F	50+91.06	15.58' LT	689.61
G	50+91.06	13.58' LT	689.58
H	50+91.06	12.00' LT	(689.59)
I	50+86.06	12.00' LT	(689.54)
J	50+86.06	13.58' LT	689.53
K	50+86.04	15.53' LT	689.57
L	50+86.01	18.53' LT	689.61
M	50+85.95	23.53' LT	689.99
N	50+85.89	28.52' LT	690.36
O	50+85.83	33.96' LT	690.77
P	50+85.76	38.98' LT	690.86
Q	50+90.99	38.96' LT	690.91
R	50+95.99	38.95' LT	(691.15)

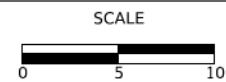
MODEL: SH06LNAME5
FILE NAME: ...33278_ADA18_Park_NW.dgn



Two Pierce Place, Suite 1400
Itasca, Illinois 60143
Tel: 630.773.3900 Fax: 630.773.3975
www.civiltechinc.com

DESIGNED -	JRR	REVISED -	
DRAWN -	TGB	REVISED -	
CHECKED -	KRK	REVISED -	
DATE -	1/03/2019	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



ADA GRADING

SHEET 18 OF 24 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1262	17-00103-00-PV	LAKE	93	51
CONTRACT NO. 61F47				
ILLINOIS FED. AID PROJECT				

PLAN	SUBMITTED	DATE
	PLOTTED	
	ALIGNED	
	CHECKED	
	NOTES	
	FILE NAME	
NOTE BOOK NO.		

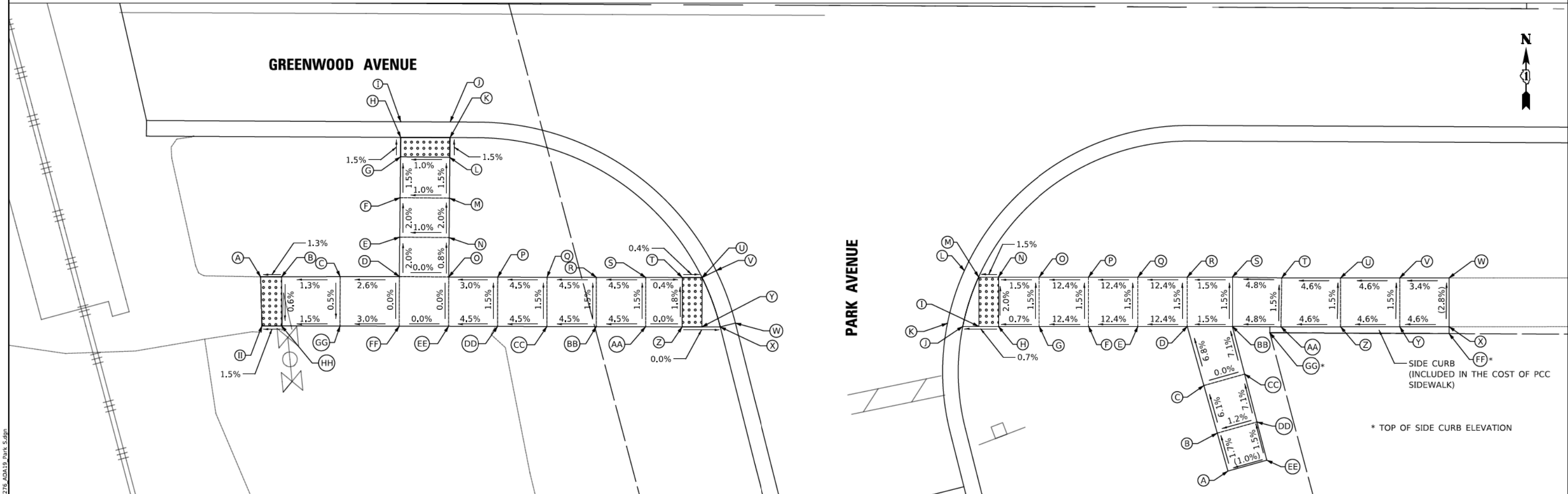
PROFILE	SUBMITTED	DATE
	PLOTTED	
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
NOTE BOOK NO.		

PARK (SW QUADRANT)			
	STATION	OFFSET	ELEVATION
A	50+71.74	27.80' RT	(689.53)
B	50+73.85	27.78' RT	689.55
C	50+79.79	27.74' RT	689.63
D	50+85.79	27.70' RT	689.79
E	50+85.81	23.70' RT	689.71
F	50+85.83	19.70' RT	689.62
G	50+85.85	15.56' RT	689.56
H	50+85.86	13.58' RT	689.53
I	50+85.86	12.00' RT	(689.54)
J	50+90.86	12.00' RT	(689.59)
K	50+90.86	13.58' RT	689.58
L	50+90.85	15.58' RT	689.61
M	50+90.83	19.73' RT	689.67
N	50+90.81	23.73' RT	689.76
O	50+90.79	27.73' RT	689.79
P	50+95.79	27.72' RT	689.94
Q	51+00.79	27.70' RT	690.16
R	51+05.79	27.69' RT	690.39

PARK (SW QUADRANT)			
	STATION	OFFSET	ELEVATION
S	51+10.79	27.68' RT	690.61
T	51+14.50	27.67' RT	690.60
U	51+16.50	27.66' RT	690.59
V	51+17.92	26.96' RT	(690.60)
W	51+19.90	32.27' RT	(690.69)
X	51+18.37	32.66' RT	690.68
Y	51+16.51	32.66' RT	690.68
Z	51+14.51	32.67' RT	690.69
AA	51+10.80	32.68' RT	690.69
BB	51+05.80	32.69' RT	690.46
CC	51+00.80	32.70' RT	690.24
DD	50+95.80	32.72' RT	690.01
EE	50+90.80	32.73' RT	689.79
FF	50+85.80	32.74' RT	689.79
GG	50+79.80	32.75' RT	689.61
HH	50+73.89	32.77' RT	689.52
II	50+71.89	32.77' RT	(689.49)

PARK (SE QUADRANT)			
	STATION	OFFSET	ELEVATION
A	51+69.92	47.05' RT	(693.58)
B	51+68.82	43.20' RT	693.51
C	51+67.44	38.38' RT	693.21
D	51+65.73	32.38' RT	692.79
E	51+60.73	32.41' RT	692.17
F	51+55.73	32.43' RT	691.55
G	51+50.73	32.45' RT	690.93
H	51+46.56	32.47' RT	690.90
I	51+44.56	32.48' RT	690.89
J	51+42.95	32.49' RT	690.88
K	51+41.40	32.19' RT	(690.89)
L	51+43.09	26.84' RT	(690.77)
M	51+44.53	27.48' RT	690.76
N	51+46.53	27.47' RT	690.79
O	51+50.71	27.45' RT	690.85
P	51+55.71	27.43' RT	691.47
Q	51+60.71	27.41' RT	692.09

PARK (SE QUADRANT)			
	STATION	OFFSET	ELEVATION
R	51+65.71	27.38' RT	692.71
S	51+70.28	27.36' RT	692.78
T	51+75.28	27.43' RT	693.02
U	51+81.28	27.40' RT	693.30
V	51+87.28	27.37' RT	693.57
W	51+92.28	27.34' RT	(693.74)
X	51+92.30	32.30' RT	(693.87)
Y	51+87.30	32.32' RT	693.64
Z	51+81.30	32.36' RT	693.27
AA	51+75.23	32.39' RT	693.09
BB	51+70.30	32.36' RT	692.85
CC	51+71.57	37.20' RT	693.21
DD	51+72.84	42.05' RT	693.56
EE	51+73.85	45.92' RT	693.62
FF	51+92.30	33.00' RT	(693.98)
GG	51+74.10	33.00' RT	(693.84)

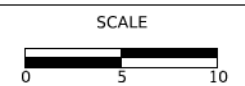


MODEL: SHODLNAME
FILE NAME: ...3276 ADA19 Part 5.dgn

CIVILTECH
Two Pierce Place, Suite 1400
Itasca, Illinois 60143
Tel: 630.773.3900 Fax: 630.773.3975
www.civiltechinc.com

DESIGNED -	JRR	REVISED -	
DRAWN -	TGB	REVISED -	
CHECKED -	KRK	REVISED -	
DATE -	1/03/2019	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



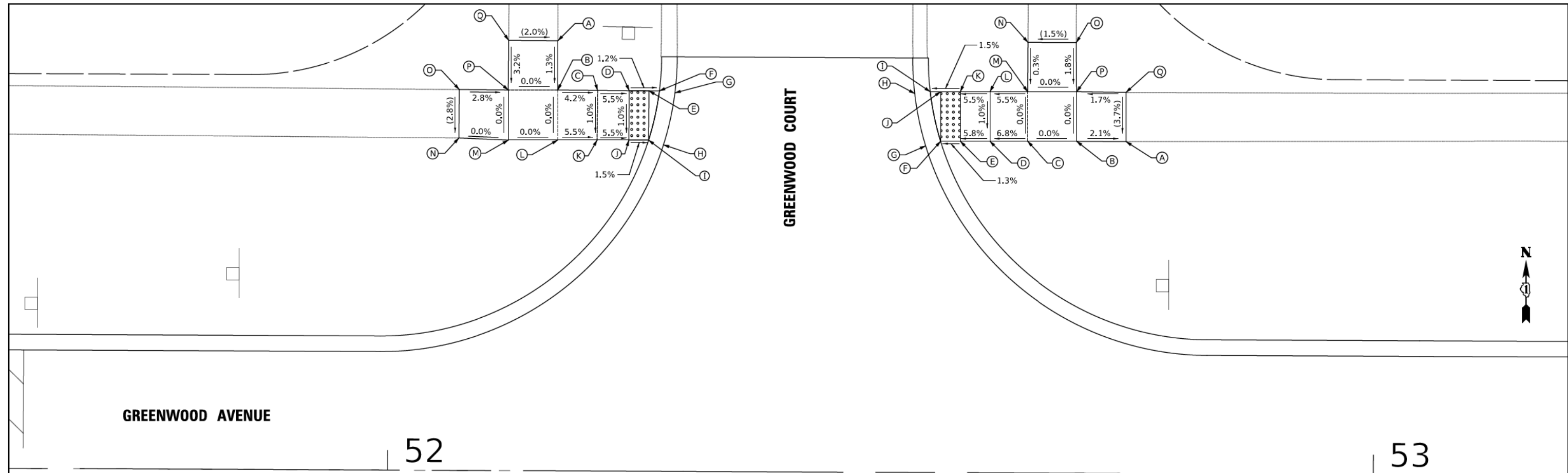
ADA GRADING

SHEET 19 OF 24 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1262	17-00103-00-PV	LAKE	93	52
CONTRACT NO. 61F47				
ILLINOIS FED. AID PROJECT				

PLAN	SURVIVED	DATE
	PLOTTED	
	ALIGNED	
	CHECKED	
	FILE NAME	
	NO.	

PROFILE	SURVIVED	DATE
	PLOTTED	
	GRADES	
	CHECKED	
	STRUCTURE	
	NOTATIONS	
	NO.	



GREENWOOD CT (NW QUADRANT)			
	STATION	OFFSET	ELEVATION
A	52+17.09	43.58' LT	(692.81)
B	52+17.09	38.58' LT	692.75
C	52+21.13	38.57' LT	692.58
D	52+24.35	38.55' LT	692.40
E	52+26.35	38.55' LT	692.38
F	52+27.40	38.54' LT	692.36
G	52+28.97	38.35' LT	(692.37)
H	52+27.84	33.09' LT	(692.33)
I	52+26.33	33.56' LT	692.32
J	52+24.33	33.55' LT	692.35
K	52+21.11	33.53' LT	692.53
L	52+17.11	33.51' LT	692.75
M	52+12.12	33.49' LT	692.75
N	52+07.07	33.68' LT	(692.75)
O	52+07.09	38.59' LT	(692.89)
P	52+12.09	38.56' LT	692.75
Q	52+12.10	43.59' LT	(692.91)

GREENWOOD CT (NE QUADRANT)			
	STATION	OFFSET	ELEVATION
A	52+74.75	33.62' LT	(692.72)
B	52+69.75	33.64' LT	692.83
C	52+64.75	33.61' LT	692.83
D	52+60.93	33.59' LT	692.57
E	52+57.93	33.58' LT	692.39
F	52+55.93	33.57' LT	692.37
G	52+54.41	33.10' LT	(692.38)
H	52+53.28	38.40' LT	(692.42)
I	52+54.85	38.59' LT	692.41
J	52+55.90	38.59' LT	692.42
K	52+57.90	38.60' LT	692.45
L	52+60.90	38.62' LT	692.62
M	52+64.73	38.64' LT	692.83
N	52+64.73	43.64' LT	(692.84)
O	52+69.97	43.64' LT	(692.92)
P	52+69.72	38.66' LT	692.83
Q	52+74.73	38.61' LT	(692.91)

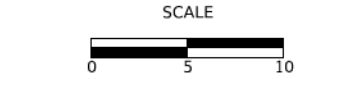
MODEL: SH06LNAME5
FILE NAME: ...3276_ADA20_Greenwood.dgn



Two Pierce Place, Suite 1400
Itasca, Illinois 60143
Tel: 630.773.3900 Fax: 630.773.3975
www.civiltechinc.com

DESIGNED -	JRR	REVISED -	
DRAWN -	TGB	REVISED -	
CHECKED -	KRK	REVISED -	
DATE -	1/03/2019	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



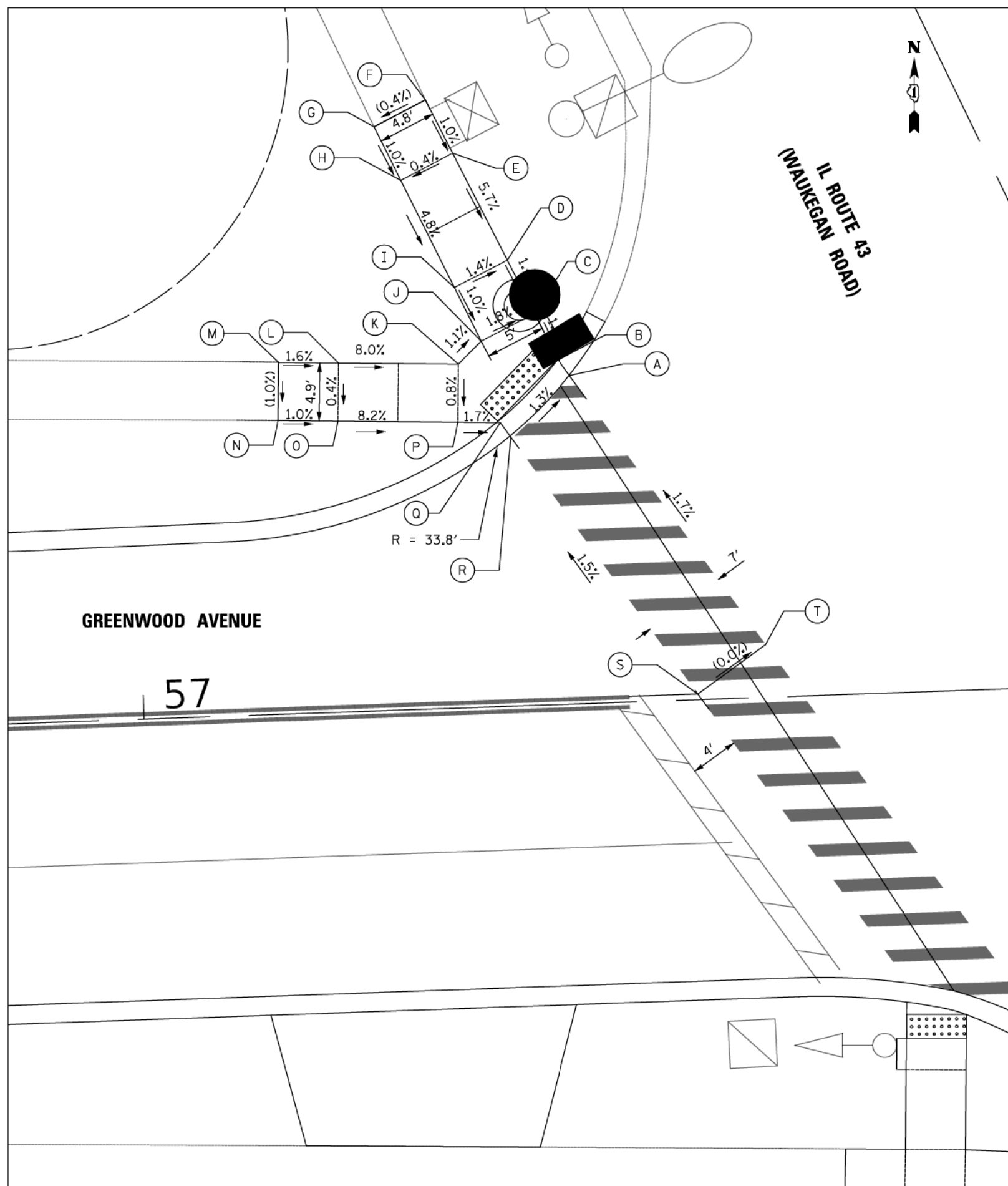
ADA GRADING
SHEET 20 OF 24 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1262	17-00103-00-PV	LAKE	93	53
CONTRACT NO. 61F47				
ILLINOIS FED. AID PROJECT				

PLAN	SURVIVED	DATE
	PLOTTED	
	ALIGNED	
	CHECKED	
	FILE NAME	
	NO.	

PROFILE	SURVIVED	DATE
	PLOTTED	
	GRADES	
	CHECKED	
	STRUCTURE	
	NOTATIONS	
	NO.	

MODEL: SH06LNAME
FILE NAME: ...3278_A0A21_Waukegan_NW.dgn

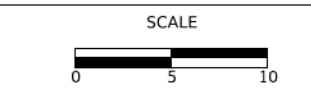


WAUKEGAN RD (NW QUADRANT)			
	STATION	OFFSET	ELEVATION
A	57+36.34	27.25' LT	(689.42)
B	57+35.64	28.75' LT	689.41
C	57+33.76	32.70' LT	689.48
D	57+31.67	37.24' LT	689.55
E	57+27.42	46.32' LT	690.12
F	57+25.30	50.85' LT	(690.17)
G	57+20.94	48.76' LT	(690.15)
H	57+23.02	44.21' LT	690.10
I	57+27.17	35.11' LT	689.62
J	57+29.25	30.56' LT	689.57
K	57+27.28	28.70' LT	689.60
L	57+17.29	29.14' LT	690.40
M	57+12.30	29.37' LT	(690.48)
N	57+12.08	24.52' LT	(690.43)
O	57+17.08	24.29' LT	690.38
P	57+27.07	23.85' LT	689.56
Q	57+30.27	23.71' LT	689.50
R	57+31.51	22.66' LT	(689.51)
S	57+46.32	0.48' LT	689.90
T	57+52.11	4.40' LT	(689.90)

CIVILTECH
Two Pierce Place, Suite 1400
Itasca, Illinois 60143
Tel: 630.773.3900 Fax: 630.773.3975
www.civiltechinc.com

DESIGNED -	JRR	REVISED -	
DRAWN -	TGB	REVISED -	
CHECKED -	KRK	REVISED -	
DATE -	1/03/2019	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



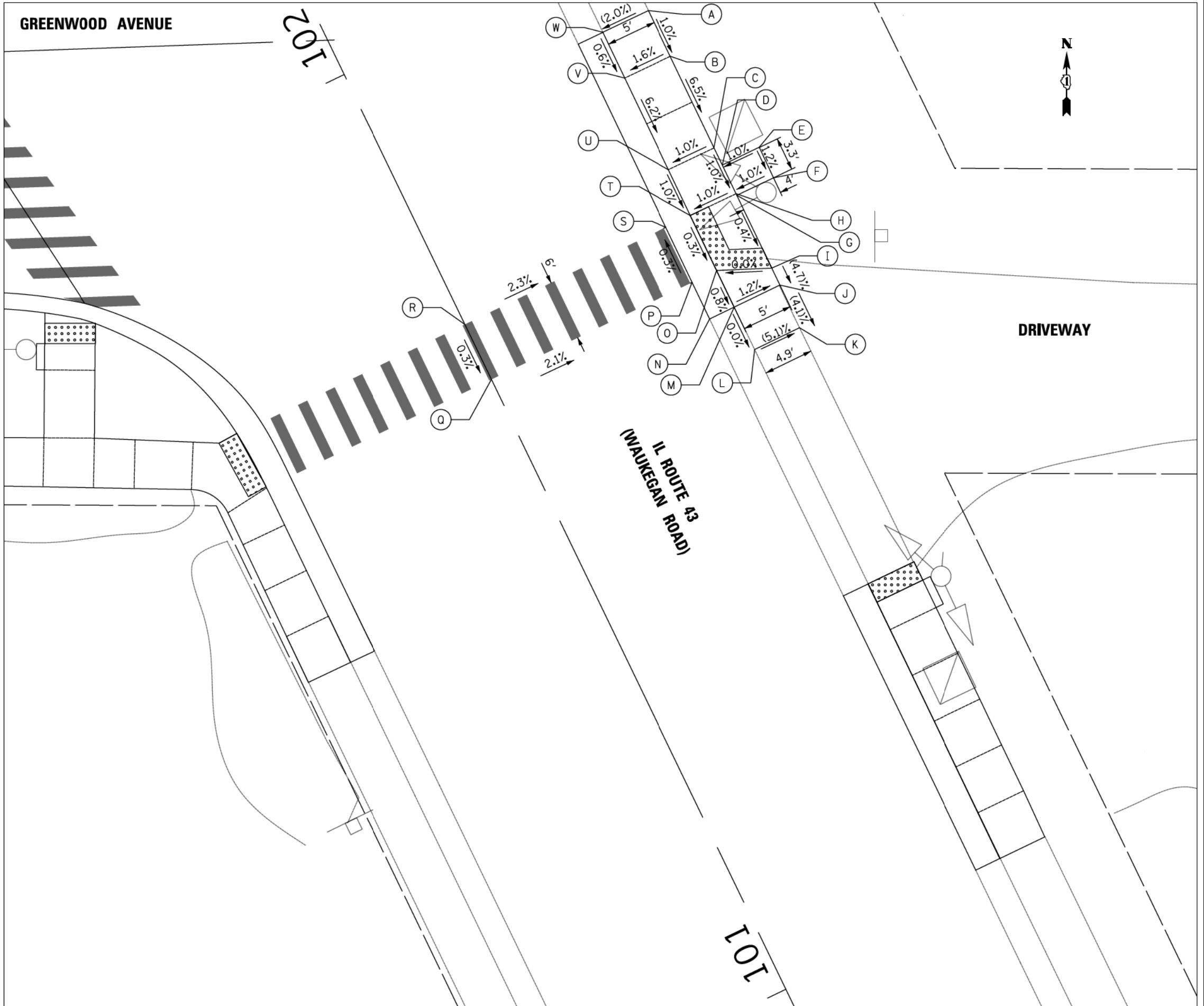
ADA GRADING
SHEET 21 OF 24 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1262	17-00103-00-PV	LAKE	93	54
CONTRACT NO. 61F47				
ILLINOIS FED. AID PROJECT				

PLAN	SURVIVED	DATE
	PLOTTED	
	ALIGNED	
	CHECKED	
	FILED	
	NO.	

PROFILE	SURVIVED	DATE
	PLOTTED	
	GRADES	
	CHECKED	
	STRUCTURE	
	NOTATIONS	
	CHECKED	
	NO.	

WAUKEGAN RD (EAST SIDE NORTH)			
	STATION	OFFSET	ELEVATION
A	101+92.64	29.70' RT	(690.40)
B	101+87.64	29.69' RT	690.35
C	101+77.64	29.62' RT	689.70
D	101+75.77	29.66' RT	689.68
E	101+75.75	33.66' RT	689.73
F	101+72.45	33.65' RT	689.69
G	101+72.47	29.64' RT	689.64
H	101+72.64	29.59' RT	689.65
I	101+64.53	29.63' RT	(689.62)
J	101+62.67	29.62' RT	(689.53)
K	101+58.05	29.53' RT	(689.34)
L	101+58.04	24.63' RT	(689.59)
M	101+62.67	24.63' RT	(689.59)
N	101+62.67	21.94' RT	(689.69)
O	101+66.67	24.63' RT	689.62
P	101+66.68	21.96' RT	(689.68)
Q	101+66.67	0.00' RT	(690.15)
R	101+72.67	0.00' LT	(690.17)
S	101+72.69	21.98' RT	(689.66)
T	101+72.67	24.65' RT	689.60
U	101+77.68	24.65' RT	689.65
V	101+87.67	24.71' RT	690.27
W	101+92.67	24.73' RT	(690.30)



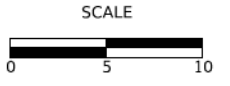
MODEL: SH06LNAME5
FILE NAME: ...3276_A0A23_Waukegan_ESN.dgn



Two Pierce Place, Suite 1400
Itasca, Illinois 60143
Tel: 630.773.3900 Fax: 630.773.3975
www.civiltechinc.com

DESIGNED -	JRR	REVISED -	
DRAWN -	TGB	REVISED -	
CHECKED -	KRK	REVISED -	
DATE -	1/03/2019	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



ADA GRADING

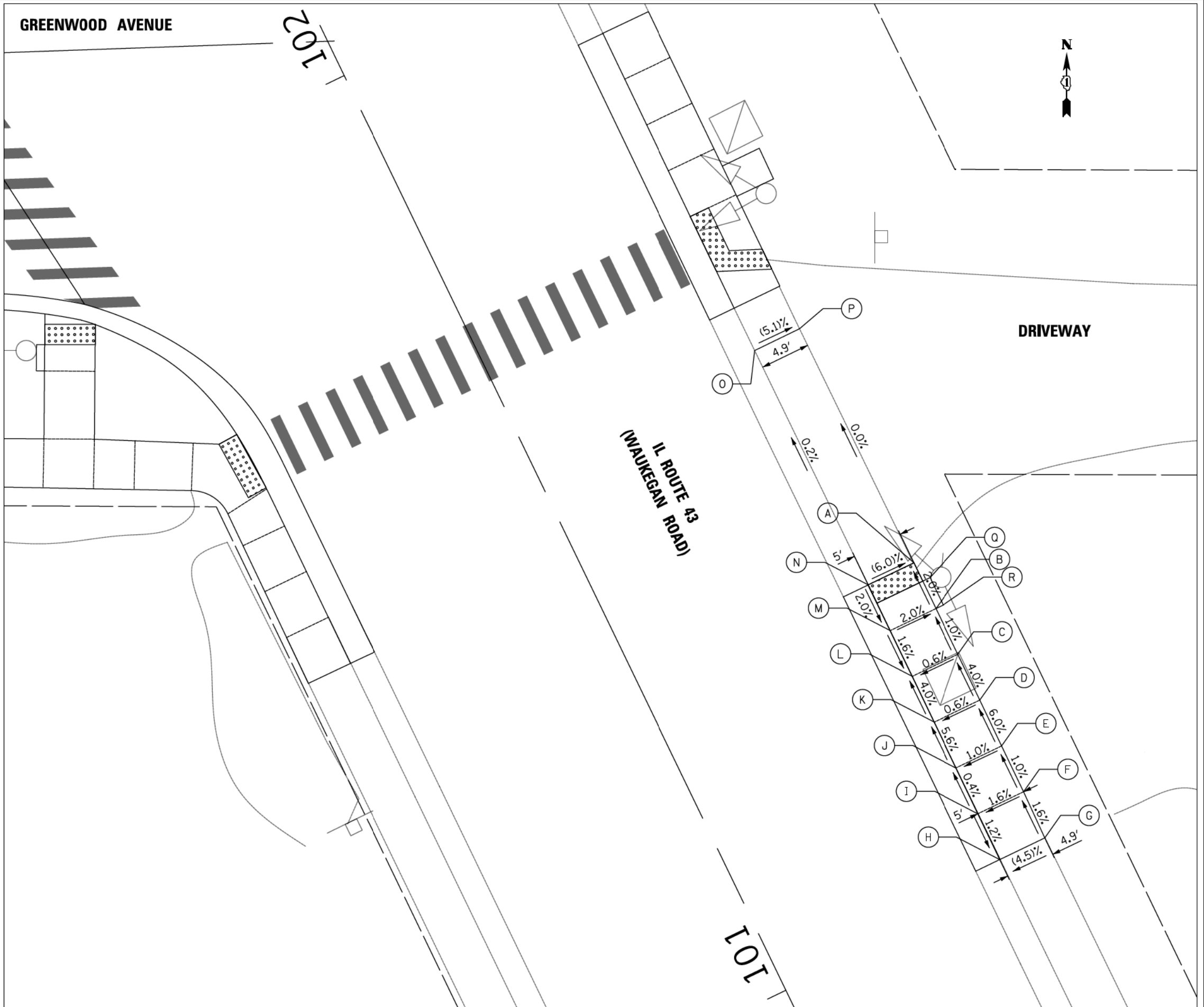
SHEET 23 OF 24 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1262	17-00103-00-PV	LAKE	93	56
CONTRACT NO. 61F47				
ILLINOIS FED. AID PROJECT				

DATE	
BY	
SURVIVED	
PLOTTED	
ALIGNMENT CHECKED	
NOTE BOOK NO.	
FILE NAME	

DATE	
BY	
SURVIVED	
PLOTTED	
GRADES CHECKED	
NOTE BOOK NO.	
FILE NAME	

WAUKEGAN RD (EAST SIDE SOUTH)			
	STATION	OFFSET	ELEVATION
A	101+32.41	29.65' RT	(689.35)
B	101+27.41	29.65' RT	689.45
C	101+22.41	29.61' RT	689.50
D	101+17.41	29.61' RT	689.70
E	101+12.41	29.60' RT	690.00
F	101+07.41	29.59' RT	690.05
G	101+02.41	29.49' RT	(690.13)
H	101+02.42	24.57' RT	(689.91)
I	101+07.42	24.59' RT	689.97
J	101+12.42	24.60' RT	689.95
K	101+17.42	24.61' RT	689.67
L	101+22.42	24.61' RT	689.47
M	101+27.42	24.62' RT	689.55
N	101+32.42	24.65' RT	(689.65)
O	101+58.04	24.63' RT	(689.59)
P	101+58.05	29.53' RT	(689.34)
Q	101+30.41	30.45' RT	689.43
R	101+27.41	30.45' RT	689.43



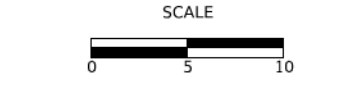
MODEL: SH06LNAME5
FILE NAME: ...3278_A0A24_Waukegan_ESS.dgn



Two Pierce Place, Suite 1400
Itasca, Illinois 60143
Tel: 630.773.3900 Fax: 630.773.3975
www.civiltechinc.com

DESIGNED -	JRR	REVISED -	
DRAWN -	TGB	REVISED -	
CHECKED -	KRK	REVISED -	
DATE -	1/03/2019	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

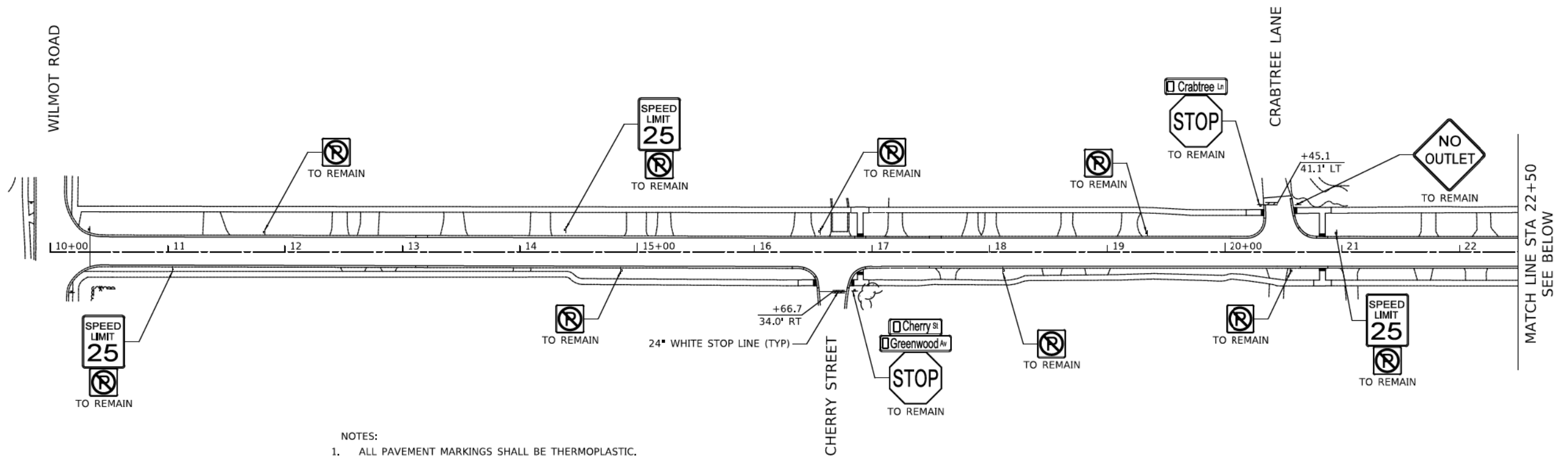


ADA GRADING

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1262	17-00103-00-PV	LAKE	93	57

CONTRACT NO. 61F47	
ILLINOIS FED. AID PROJECT	

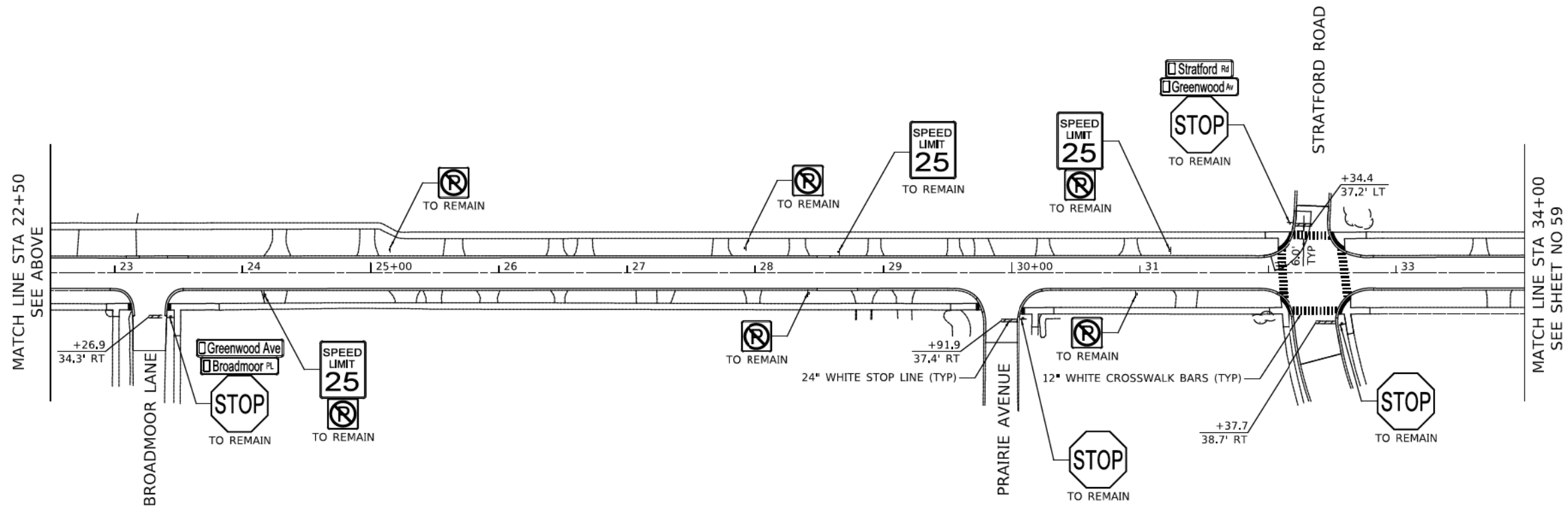
PLAN	SURVISED	DATE
	PLOTTED	
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	NOTE BOOK NO.	
	FILE NAME	



NOTES:
1. ALL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC.

GREENWOOD AVENUE

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



GREENWOOD AVENUE

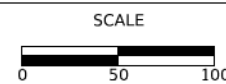
MODEL: SH06LNAME5
FILE NAME: ...13276_PMK_01.dgn



Two Pierce Place, Suite 1400
Itasca, Illinois 60143
Tel: 630.773.3900 Fax: 630.773.3975
www.civiltechinc.com

DESIGNED -	JRR	REVISED -	
DRAWN -	TGB	REVISED -	
CHECKED -	KRK	REVISED -	
DATE -	1/03/2019	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



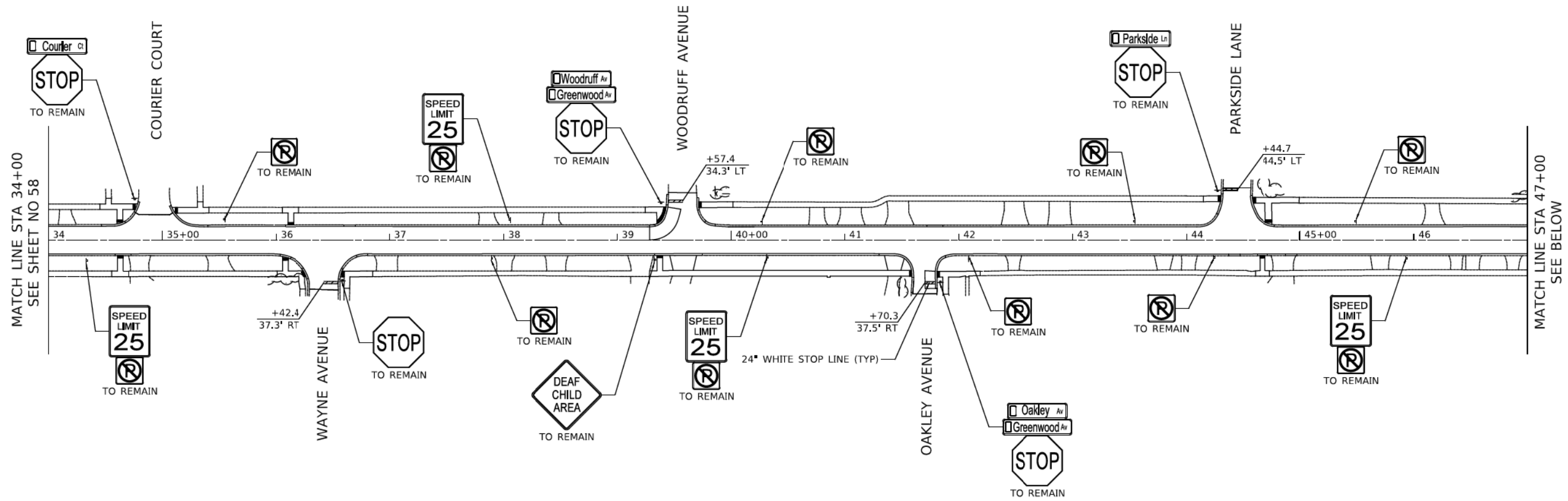
PAVEMENT MARKING AND SIGNING

SHEET 1 OF 2 SHEETS STA. 10+00 TO STA. 34+00

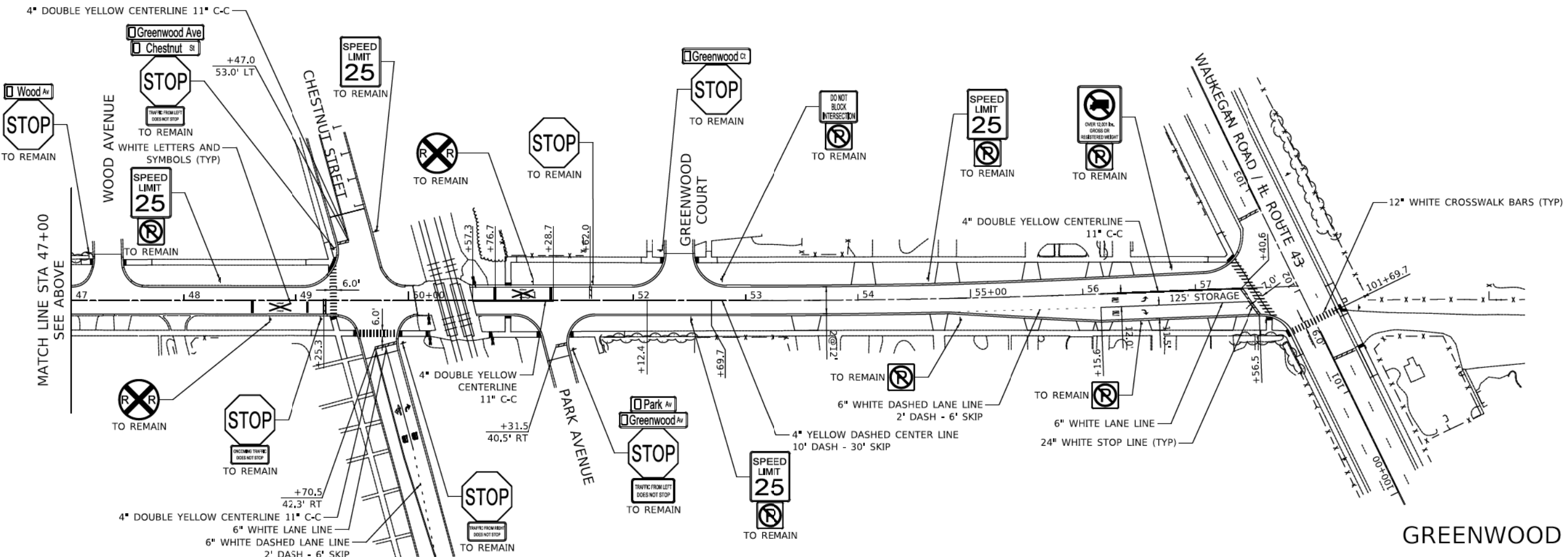
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1262	17-00103-00-PV	LAKE	93	58
CONTRACT NO. 61F47				
ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	DATE
	PLOTTED	
	CHECKED	
	BY	
	NO.	
	FILE NAME	

PROFILE	SURVEYED	DATE
	PLOTTED	
	CHECKED	
	BY	
	NO.	
	FILE NAME	



GREENWOOD AVENUE



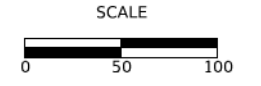
GREENWOOD AVENUE



Two Pierce Place, Suite 1400
Itasca, Illinois 60143
Tel: 630.773.3900 Fax: 630.773.3975
www.civiltechinc.com

DESIGNED	-	JRR	REVISED	-
DRAWN	-	TGB	REVISED	-
CHECKED	-	KRK	REVISED	-
DATE	-	1/03/2019	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



PAVEMENT MARKING AND SIGNING
SHEET 2 OF 2 SHEETS
STA. 34+00 TO STA. 57+51.75

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1262	17-00103-00-PV	LAKE	93	59
CONTRACT NO. 61F47				
ILLINOIS FED. AID PROJECT				

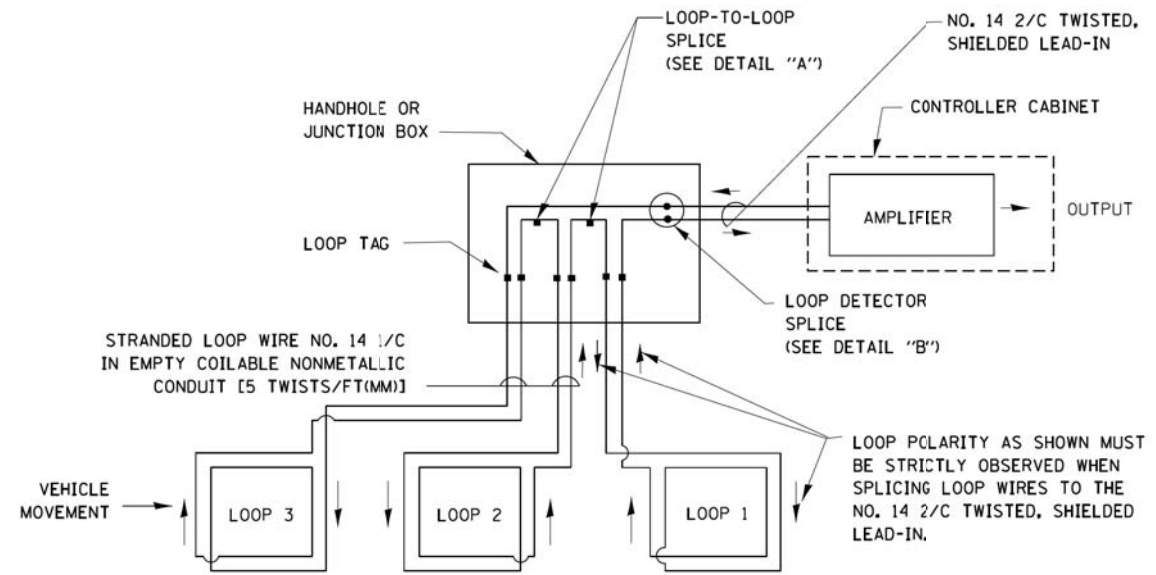
TRAFFIC SIGNAL LEGEND

(NOT TO SCALE)

ITEM	EXISTING	PROPOSED	ITEM	EXISTING	PROPOSED	ITEM	EXISTING	PROPOSED
CONTROLLER CABINET			HANDHOLE -SQUARE -ROUND			SIGNAL HEAD -(P) PROGRAMMABLE SIGNAL HEAD		
COMMUNICATION CABINET			HEAVY DUTY HANDHOLE -SQUARE -ROUND			SIGNAL HEAD WITH BACKPLATE -(P) PROGRAMMABLE SIGNAL HEAD -(RB) RETROREFLECTIVE BACKPLATE		
MASTER CONTROLLER			DOUBLE HANDHOLE			PEDESTRIAN SIGNAL HEAD AT RAILROAD INTERSECTIONS		
MASTER MASTER CONTROLLER			JUNCTION BOX			PEDESTRIAN SIGNAL HEAD WITH COUNTDOWN TIMER		
UNINTERRUPTABLE POWER SUPPLY			RAILROAD CANTILEVER MAST ARM			ILLUMINATED SIGN "NO LEFT TURN"/"NO RIGHT TURN"		
SERVICE INSTALLATION -(P) POLE MOUNTED			RAILROAD FLASHING SIGNAL			NUMBER OF CONDUCTORS, ELECTRIC CABLE NO. 14, UNLESS NOTED OTHERWISE. ALL DETECTOR LOOP CABLE TO BE SHIELDED		
SERVICE INSTALLATION -(G) GROUND MOUNTED -(GM) GROUND MOUNTED METERED			RAILROAD CROSSING GATE			GROUND CABLE IN CONDUIT, NO. 6 SOLID COPPER (GREEN)		
TELEPHONE CONNECTION			RAILROAD CROSSBUCK			ELECTRIC CABLE IN CONDUIT, TRACER NO. 14 1/C		
STEEL MAST ARM ASSEMBLY AND POLE			RAILROAD CONTROLLER CABINET			COAXIAL CABLE		
ALUMINUM MAST ARM ASSEMBLY AND POLE			UNDERGROUND CONDUIT (UC), GALVANIZED STEEL			VENDOR CABLE		
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH LUMINAIRE			TEMPORARY SPAN WIRE, TETHER WIRE, AND CABLE			COPPER INTERCONNECT CABLE, NO. 18, 3 PAIR TWISTED, SHIELDED		
SIGNAL POST -(BM) BARREL MOUNTED - TEMPORARY			SYSTEM ITEM			FIBER OPTIC CABLE -NO. 62.5/125, MM12F -NO. 62.5/125, MM12F SM12F -NO. 62.5/125, MM12F SM24F		
WOOD POLE			INTERSECTION ITEM			GROUND ROD -(C) CONTROLLER -(M) MAST ARM -(P) POST -(S) SERVICE		
GUY WIRE			REMOVE ITEM					
SIGNAL HEAD			RELOCATE ITEM					
SIGNAL HEAD WITH BACKPLATE			ABANDON ITEM					
SIGNAL HEAD OPTICALLY PROGRAMMED			CONTROLLER CABINET AND FOUNDATION TO BE REMOVED					
FLASHER INSTALLATION -(FS) SOLAR POWERED			MAST ARM POLE AND FOUNDATION TO BE REMOVED					
PEDESTRIAN SIGNAL HEAD			SIGNAL POST AND FOUNDATION TO BE REMOVED					
PEDESTRIAN PUSH BUTTON -(APS) ACCESSIBLE PEDESTRIAN PUSH BUTTON			DETECTOR LOOP, TYPE I					
RADAR DETECTION SENSOR			PREFORMED DETECTOR LOOP					
VIDEO DETECTION CAMERA			SAMPLING (SYSTEM) DETECTOR					
RADAR/VIDEO DETECTION ZONE			INTERSECTION AND SAMPLING (SYSTEM) DETECTOR					
PAN, TILT, ZOOM (PTZ) CAMERA			QUEUE AND SAMPLING (SYSTEM) DETECTOR					
EMERGENCY VEHICLE LIGHT DETECTOR			WIRELESS DETECTOR SENSOR					
CONFIRMATION BEACON			WIRELESS ACCESS POINT					
WIRELESS INTERCONNECT								
WIRELESS INTERCONNECT RADIO REPEATER								

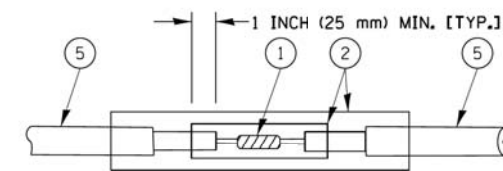
LOOP DETECTOR NOTES

1. EACH PAIR OF LOOP WIRES SHALL BE PLACED IN A SEPARATE EMPTY COILABLE NONMETALLIC CONDUIT FROM THE EDGE OF PAVEMENT TO THE HANDHOLE. SPACING BETWEEN THE HOLES DRILLED IN THE PAVEMENT SHALL NOT BE LESS THAN 6" (150 mm). EMPTY COILABLE NONMETALLIC CONDUIT SHALL BE INCLUDED IN THE COST OF THE LOOP WIRE.
2. THE NUMBER OF LOOP TURNS SHALL BE AS RECOMMENDED BY THE AMPLIFIER MANUFACTURER. ALL ADJACENT SIDES OF THE LOOPS SHALL BE INSTALLED IN SUCH A WAY THAT THE CURRENT FLOW IS IN THE SAME DIRECTION TO REINFORCE ITS MAGNETIC FIELDS FOR SMALL VEHICLE DETECTION.
3. EACH LOOP LEAD-IN SHALL BE IDENTIFIED AND PERMANENTLY TAGGED IN THE HANDHOLE. EACH LEAD-IN CABLE TAG SHALL INDICATE THE LOCATION OF THE LOOP, LOOP ROTATION (CLOCKWISE/COUNTERCLOCKWISE), LOOP LEAD-IN DIRECTION (IN OR OUT), LOOP CABLE NUMBER AND LOCATION IN CABINET, AND NUMBER OF TURNS IN THE DETECTOR LOOPS IN WATER PROOF INK AS INDICATED ON THE DISTRICT 1 STANDARD TRAFFIC SIGNAL DESIGN DETAIL. THE CONTRACTOR SHALL MARK LOOP LOCATIONS ON RECORD DRAWINGS AND PRESENT TO THE ENGINEER AFTER FINAL INSPECTION. LOOPS SHALL BE MARKED BY LANE AND LOOP NUMBER. SEE DETAIL BELOW.
4. ALL LOOP CABLE SHALL BE FASTENED WITH PLASTIC TIE WRAP TO THE HANDHOLE HOOKS.
5. IN ASPHALT PAVEMENT, LOOPS SHOULD BE PLACED IN THE BINDER AND DIVEHOLES MARKED AT THE CURB WITH A SAW-CUT. THE SAW-CUT SHALL BE CUT IN ACCORDANCE WITH LOCAL AND E.P.A. DJST CONTROL REQUIREMENTS. DETECTOR LOOP(S) SHALL NOT BE INSTALLED IN WET CONDITIONS AND THE SAW-CUTS MUST BE FREE OF DEBRIS AND RESIDUE SUCH AS DUST AND WATER WHICH IS TO BE ACHIEVED BY THE USE OF COMPRESSED AIR, WIRE BRUSHING AND HEAT DRYING ACCORDING TO SEALANT MANUFACTURER REQUIREMENTS. THE DETECTOR WIRE SHALL BE HELD IN PLACE BY THE USE OF FORM WEDGES. WEDGES SHALL BE SPACED NO MORE THAN 18" (450 mm) APART.
6. LOOP SPLICES SHALL BE SOLDERED USING A SOLDERING IRON. BLOW TORCHES OR OTHER DEVICES WHICH OXIDIZE COPPER CABLE SHALL NOT BE ALLOWED FOR SOLDERING OPERATIONS. SEE DETAIL BELOW RIGHT.
7. PREFORMED DETECTOR LOOPS SHALL BE USED, AS SHOWN ON THE PLANS, WHERE NEW CONCRETE PAVEMENT IS PROPOSED. THE INSTALLATION OF PREFORMED LOOPS SHALL BE IN ACCORDANCE WITH THE DISTRICT 1 SPECIFICATIONS OR AS DIRECTED BY THE ENGINEER.

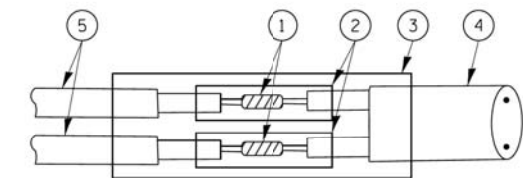


DETECTOR LOOP WIRING SCHEMATIC

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

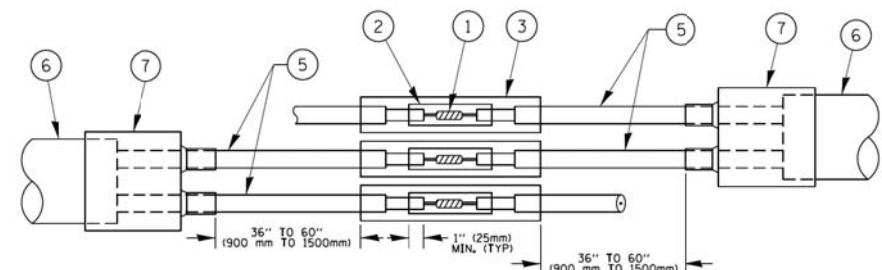


DETAIL "A"
LOOP-TO-LOOP SPLICE

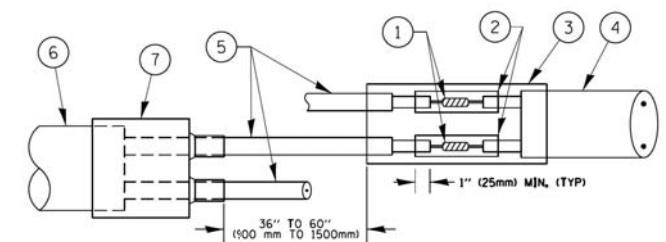


DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

TYPE I LOOP



DETAIL "A"
LOOP-TO-LOOP SPLICE

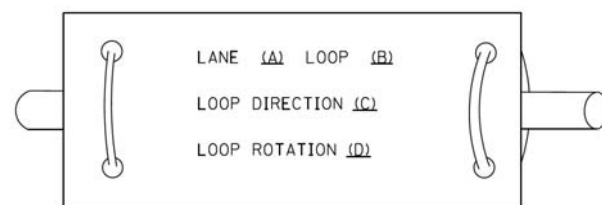


DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

PRE-FORMED LOOP

LOOP DETECTOR SPLICE

LOOP LEAD-IN CABLE TAG



- A. LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY
- B. LOOP #1 IS THE LOOP IN THE LANE CLOSEST TO THE INTERSECTION.
- C. LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".
- D. LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.

- ① WESTERN UNION SPLICE SOLDERED WITH ROSIN CORE FLUX. ALL EXPOSED SURFACES OF THE SOLDER SHALL BE SMOOTH. THE WESTERN UNION SPLICES SHALL BE STAGGERED.
- ② WCSMW 30/100 HEAT SHRINK TUBE, MINIMUM LENGTH 3" (75 mm), UNDERWATER GRADE.
- ③ WCS 200/750 HEAT SHRINK TUBE, MINIMUM LENGTH 6" (150 mm), UNDERWATER GRADE.
- ④ NO. 14 2/C TWISTED, SHIELDED CABLE.
- ⑤ LOOP CONDUCTOR WITH FLEXIBLE PLASTIC TUBE.
- ⑥ PRE-FORMED LOOP
- ⑦ XL POLYOLEFIN 2 CONDUCTOR BREAKOUT SEALS, TYCO CBR-2 OR APPROVED EQUAL

FILE NAME =	USER NAME = footemj	DESIGNED - DAD	REVISED - DAG 1-1-14
ct:\pw\work\pmdot\footemj\d0108315\ts05.dgn		DRAWN - BCK	REVISED -
	PLOT SCALE = 50.0000 / in.	CHECKED - DAD	REVISED -
	PLOT DATE = 1/13/2014	DATE - 10-28-09	REVISED -

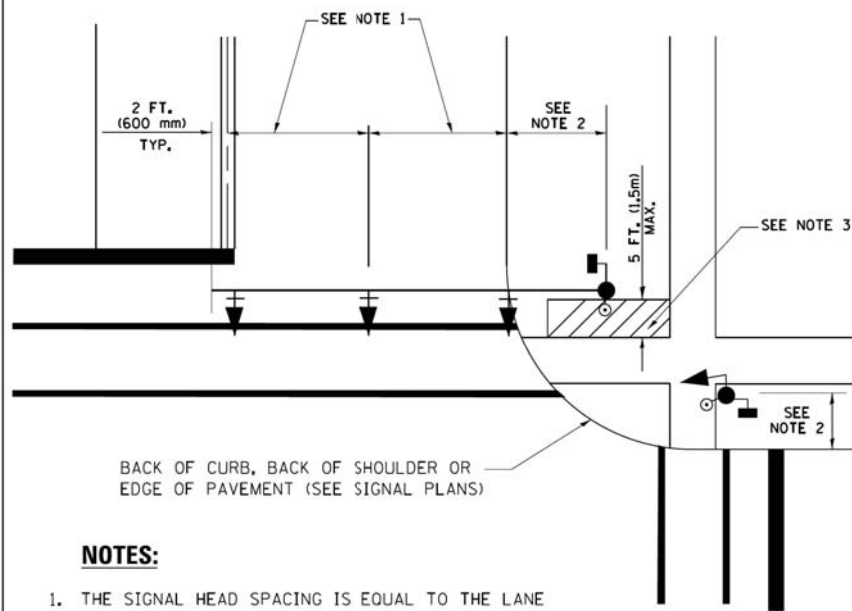
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1262	17-00103-00-PV	LAKE	93	61
TS-05			CONTRACT NO. 61F47	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

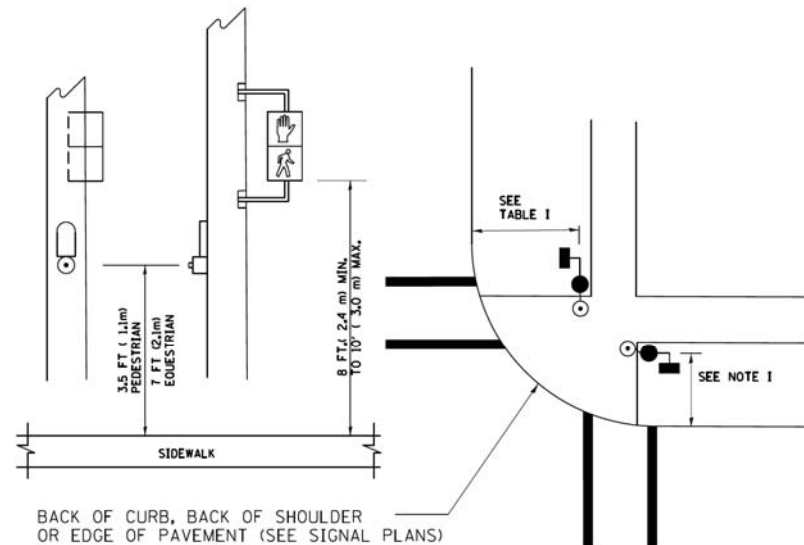
**TRAFFIC SIGNAL MAST ARM AND SIGNAL POST
MAST ARM MOUNTED SIGNALS IN EXISTING, PROPOSED OR
FUTURE SIDEWALK/BICYCLE PATH AREA. INTERSECTION SHOWN
WITH PEDESTRIAN SIGNALS AND PEDESTRIAN PUSHBUTTON DETECTORS.**



NOTES:

1. THE SIGNAL HEAD SPACING IS EQUAL TO THE LANE WIDTH OR AS SHOWN ON THE TRAFFIC SIGNAL PLAN.
2. REFER TO THE TRAFFIC SIGNAL EQUIPMENT OFFSET TABLE.
3. PROVIDE A LEVEL ALL-WEATHER SURFACE (CONCRETE SIDEWALK, ASPHALT BICYCLE PATH SURFACE OR MATCHING MATERIAL TO THE ADJACENT SURFACE) UP TO THE MAST ARM SHAFT OR THE SIGNAL POST.
4. THE FACE OF THE PEDESTRIAN PUSHBUTTON SHALL BE PARALLEL TO THE CROSSWALK TO BE USED.
5. THE LOCATIONS AND INSTALLATION OF PEDESTRIAN SIGNAL HEADS AND PEDESTRIAN PUSHBUTTONS SHALL MEET THE REQUIREMENTS OF THE MUTCD AND INFORMATION FOUND IN THE "AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES FOR BUILDINGS AND FACILITIES."

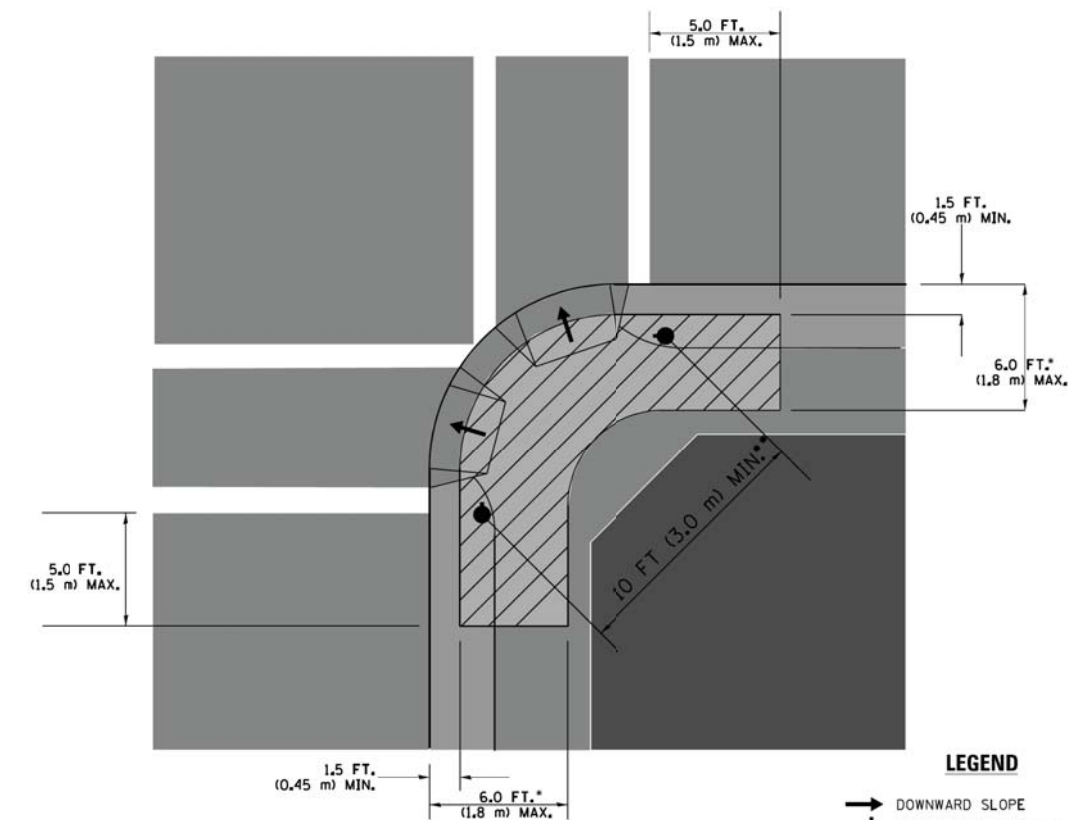
**PEDESTRIAN SIGNAL POST
AND
PEDESTRIAN PUSH BUTTON POST**



NOTES:

1. REFER TO THE TRAFFIC SIGNAL EQUIPMENT OFFSET TABLE.
2. PROVIDE A LEVEL ALL-WEATHER SURFACE (CONCRETE SIDEWALK, ASPHALT BICYCLE PATH SURFACE OR MATCHING MATERIAL TO THE ADJACENT SURFACE) UP TO THE PEDESTRIAN SIGNAL POST OR THE PEDESTRIAN PUSH BUTTON POST.
3. THE FACE OF THE PEDESTRIAN PUSHBUTTON SHALL BE PARALLEL TO THE CROSSWALK TO BE USED.
4. THE LOCATIONS AND INSTALLATION OF PEDESTRIAN SIGNAL HEADS AND PEDESTRIAN PUSHBUTTONS SHALL MEET THE REQUIREMENTS OF THE MUTCD AND INFORMATION FOUND IN THE "AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES FOR BUILDINGS AND FACILITIES."

RECOMMENDED PUSHBUTTON LOCATIONS



LEGEND

- DOWNWARD SLOPE
- PEDESTRIAN PUSHBUTTON
- ▨ RECOMMENDED PUSHBUTTON LOCATIONS

- WHERE THERE ARE CONSTRAINTS THAT MAKE IT IMPRACTICAL TO PLACE THE PEDESTRIAN PUSHBUTTON BETWEEN 1.5 FT (0.45 m) AND 6 FT (1.8 m) FROM THE EDGE OF THE CURB, SHOULDER, OR PAVEMENT, IT SHOULD NOT BE FURTHER THAN 10 FT (3 m) FROM THE EDGE OF CURB, SHOULDER, OR PAVEMENT.
- WHERE THERE ARE CONSTRAINTS ON A PARTICULAR CORNER THAT MAKE IT IMPRACTICAL TO PROVIDE THE 10 FT (3 m) SEPARATION BETWEEN THE TWO PEDESTRIAN PUSHBUTTONS, THE PUSHBUTTONS MAY BE PLACED CLOSER TOGETHER OR ON THE SAME POLE.

NOTES:

1. PEDESTRIAN SIGNAL HEADS SHALL BE MOUNTED WITH THE BOTTOM OF THE SIGNAL HOUSING INCLUDING BRACKETS NOT LESS THAN 8 FT (2.4 m) OR MORE THAN 10 FT (3 m) ABOVE SIDEWALK LEVEL, AND SHALL BE POSITIONED AND ADJUSTED TO PROVIDE MAXIMUM VISIBILITY AT THE BEGINNING OF THE CONTROLLED CROSSWALK.
2. THE BOTTOM OF THE SIGNAL HOUSING (INCLUDING BRACKETS) OF A VEHICULAR SIGNAL FACE THAT IS NOT LOCATED OVER A HIGHWAY SHALL BE AT LEAST 8 FT (2.4 m) BUT NOT MORE THAN 19 FT (5.8 m) ABOVE THE SIDEWALK OR, IF THERE IS NO SIDEWALK, ABOVE THE PAVEMENT GRADE AT THE CENTER OF THE ROADWAY.
3. THE BOTTOM OF THE SIGNAL HOUSING AND ANY RELATED ATTACHMENTS TO A SIGNAL FACE LOCATED OVER ANY PORTION OF A HIGHWAY SHALL BE ACCORDING TO CURRENT STATE STANDARDS 877001, 877002, 877006, 877011 AND 877012 WITH A MINIMUM OF 16 FT (5.0 m) AND A MAXIMUM OF 18 FT. (5.5 m) FROM THE HIGHEST POINT OF PAVEMENT.
4. THE BOTTOM OF THE TEMPORARY SPAN WIRE MOUNTED SIGNAL HOUSING AND ANY RELATED ATTACHMENTS TO A SIGNAL FACE LOCATED OVER ANY PORTION OF A HIGHWAY SHALL BE ACCORDING TO CURRENT STATE STANDARD 880001 WITH A MINIMUM OF 17 FT (5.18 m) FROM THE HIGHEST POINT OF PAVEMENT.
5. THE TOP OF THE SIGNAL HOUSING OF A SIGNAL FACE LOCATED OVER ANY PORTION OF A HIGHWAY SHALL NOT BE MORE THAN 25.6 FT (7.8 m) ABOVE THE PAVEMENT.

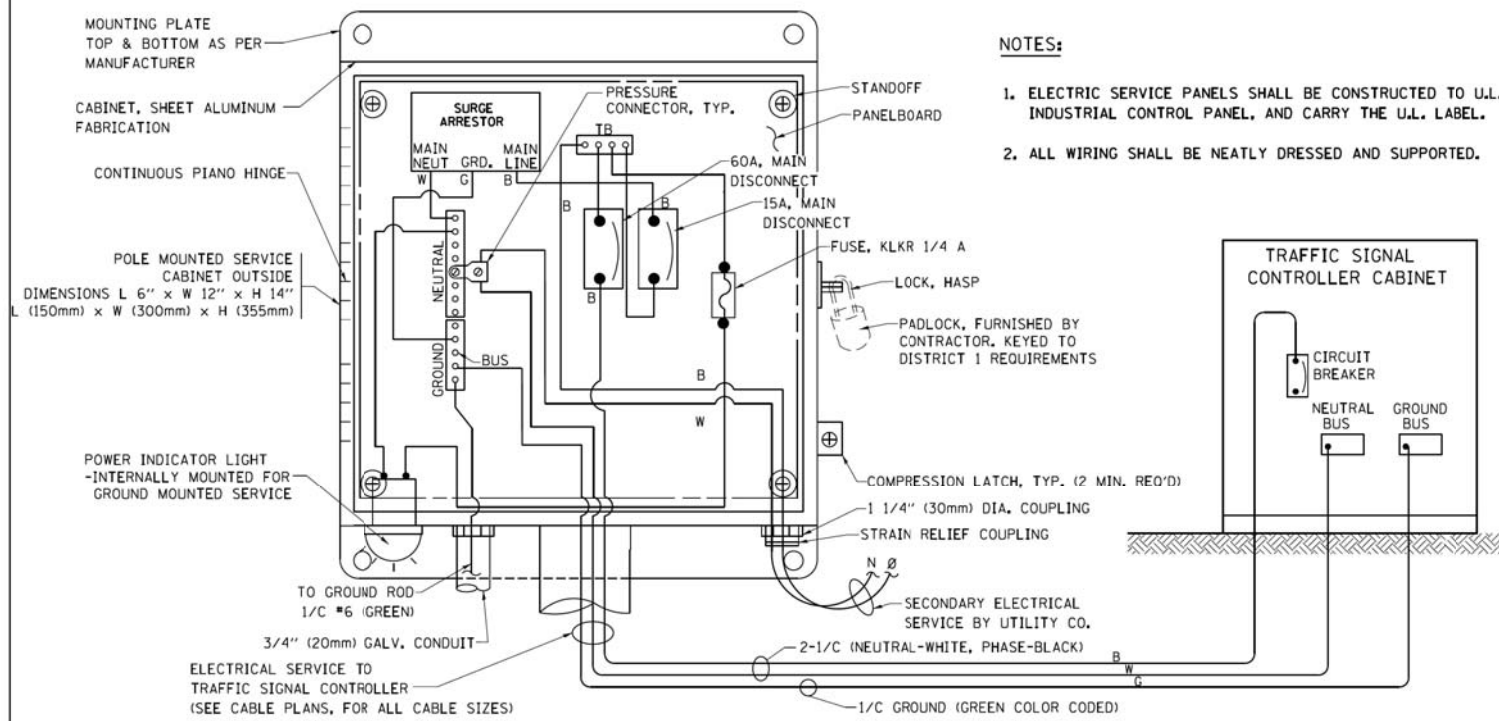
TRAFFIC SIGNAL EQUIPMENT OFFSET

TRAFFIC SIGNAL EQUIPMENT	COMBINATION CONCRETE CURB AND GUTTER (MINIMUM DISTANCE FROM BACK OF CURB TO CENTERLINE OF FOUNDATION)	SHOULDER/NON-CURBED AREA (MINIMUM DISTANCE FROM EDGE OF PAVEMENT TO CENTERLINE OF FOUNDATION)
TRAFFIC SIGNAL MAST ARM POLE	6 FT (1.8m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
TRAFFIC SIGNAL POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
PEDESTRIAN SIGNAL POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
PEDESTRIAN PUSHBUTTON POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
TEMPORARY WOOD POLE	6 FT (1.8m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
CONTROLLER CABINET	6 FT (1.8m) MINIMUM DISTANCE SEE NOTE 2	SHOULDER WIDTH + 6 FT (1.8m), MINIMUM 16 FT (4.9m) SEE NOTE 3.
SERVICE INSTALLATION, GROUND MOUNT	6 FT (1.8m) MINIMUM DISTANCE SEE NOTE 2	SHOULDER WIDTH + 6 FT (1.8m), MINIMUM 16 FT (4.9m) SEE NOTE 3.

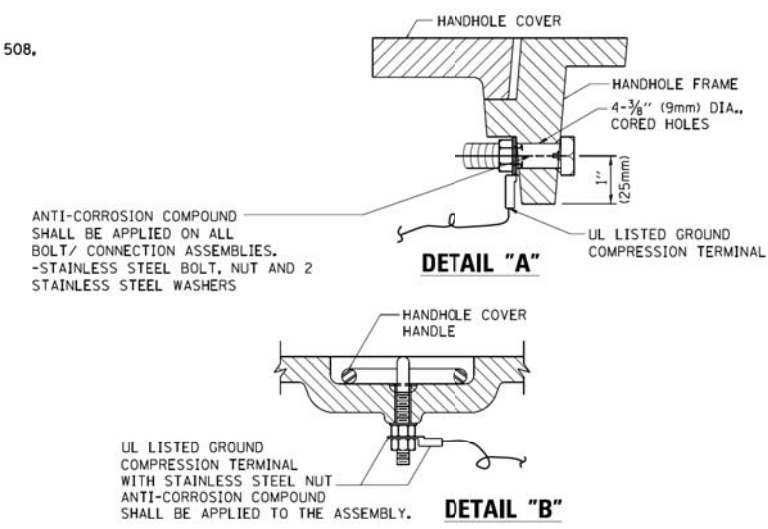
NOTES:

1. CONTACT THE "AREA TRAFFIC SIGNAL MAINTENANCE AND OPERATIONS ENGINEER" FOR ASSISTANCE IN LOCATING THE TRAFFIC SIGNAL EQUIPMENT WHEN THERE ARE CONFLICTS WITH DITCHES OR THE MINIMUM OFFSET DISTANCES CANNOT BE MET.
2. MINIMUM DISTANCE FROM THE BACK OF CURB TO THE ROADWAY SIDE OF THE FOUNDATION.
3. MINIMUM DISTANCE FROM THE EDGE OF PAVEMENT TO THE ROADWAY SIDE OF THE FOUNDATION.
4. ANY CHANGES TO THE OFFSETS OF THE FOUNDATIONS, FROM THE MINIMUM DISTANCES LISTED IN THE "TRAFFIC SIGNAL EQUIPMENT OFFSET" CHART AND THE TRAFFIC SIGNAL INSTALLATION PLAN, COULD EFFECT THE PLACEMENT OF THE SIGNAL HEADS, PEDESTRIAN SIGNAL HEADS AND THE PEDESTRIAN PUSHBUTTONS. THE SIGNAL HEAD PLACEMENT ON THE MAST ARMS SHALL REMAIN AS PER THE TRAFFIC SIGNAL INSTALLATION PLAN AND THE "TRAFFIC SIGNAL MAST ARM AND SIGNAL POST" DETAIL ABOVE. THE PROPOSED MAST ARM LENGTHS MAY NEED TO BE REVISED TO MEET THE ABOVE REQUIREMENTS. THE PEDESTRIAN SIGNAL HEADS AND PEDESTRIAN PUSHBUTTONS MUST MEET THE REQUIREMENTS UNDER THE DETAILS ON THIS SHEET.

FILE NAME =	USER NAME = footemj	DESIGNED - DAD	REVISED - DAG 1-1-14	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
ct:\pw\work\p\dtdot\footemj\d0108315\ts05.dgn		DRAWN - BCK	REVISED -		SCALE: NONE	SHEET NO. 3	OF 7 SHEETS	STA.	TO STA.	1262	17-00103-00-PV	LAKE	93 62
		CHECKED - DAD	REVISED -		TS-05		CONTRACT NO. 61F47						
		DATE - 10-28-09	REVISED -		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT								

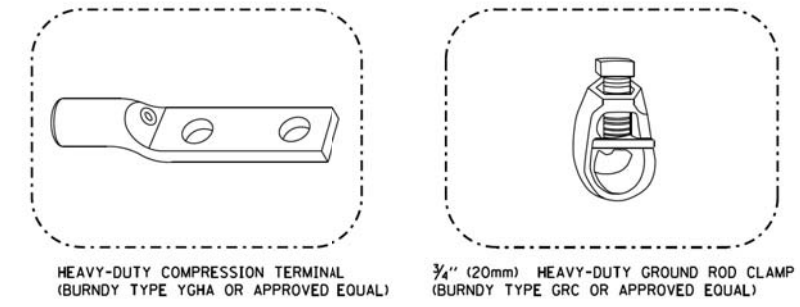


ELECTRICAL SERVICE - PANEL DIAGRAM (TYPICAL FOR POLE AND GROUND MOUNTED SERVICE) SERVICE INSTALLATION POLE MOUNT (SHOWN) (NOT TO SCALE)



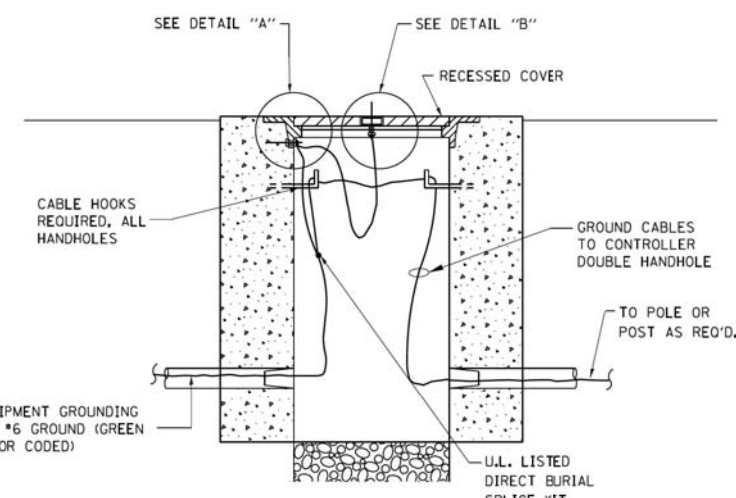
NOTES:
GROUNDING SYSTEM

- THE GROUNDING SYSTEM SHALL CONSIST OF AN INSULATED CONDUCTOR TYPE XLP, NO. 6 A.W.G., STRANDED COPPER TO BE INSTALLED IN RACEWAYS. THE GROUNDING CABLE SHALL BE INSTALLED IN A CONTINUOUS MANNER AS SHOWN ON THE CABLE PLAN PROVIDED. ALL GROUNDING CONDUCTORS SHALL BE BONDED TO METAL ENCLOSURE (HANDHOLE, POST, MAST ARM, CONTROLLER, ETC.). GROUND ROD SHALL BE 3/4" DIA. x 10'-0" (20mm x 3.0m) LONG, COPPER CLAD, ONE GROUND ROD SHALL BE INSTALLED AT ALL POST FOUNDATIONS, POLE FOUNDATIONS, CONTROLLER CABINET FOUNDATION AND ELECTRICAL SERVICE INSTALLATION AS INDICATED ON THE CABLE PLAN. IF THERE ARE ANY SPECIAL CONDITIONS SUCH AS SUB-SURFACE CONDITIONS OR INSTALLATION PROBLEMS, THE RESIDENT ENGINEER SHALL BE NOTIFIED OR CONTACT THE BUREAU OF TRAFFIC, ILLINOIS DEPARTMENT OF TRANSPORTATION DISTRICT ONE AT (847) 705-4139.
- THE NEUTRAL CONDUCTOR AND THE GROUND CONDUCTOR SHALL BE CONNECTED IN THE SERVICE INSTALLATION, AT NO OTHER POINT IN THE TRAFFIC SIGNAL SYSTEM SHALL THE NEUTRAL AND GROUND CONDUCTORS BE CONNECTED.
- ALL EQUIPMENT GROUNDING CONDUCTORS SHALL TERMINATE AT THE GROUND BUS IN THE CONTROLLER CABINET.
- THE CONTRACTOR SHALL PROVIDE A GROUND CABLE WITH CONNECTORS BETWEEN THE HANDHOLE COVER AND HANDHOLE FRAME.

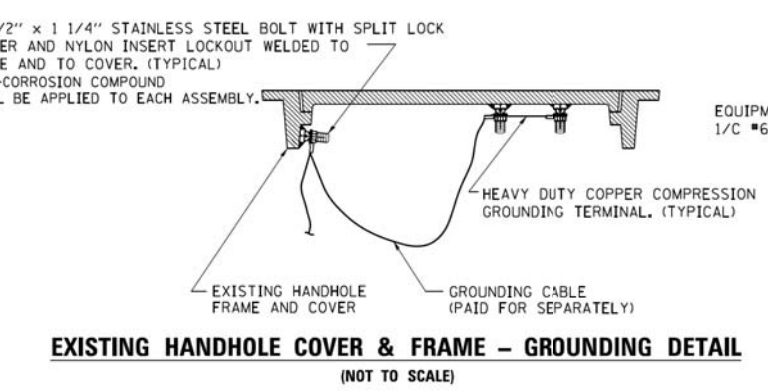


NOTES:

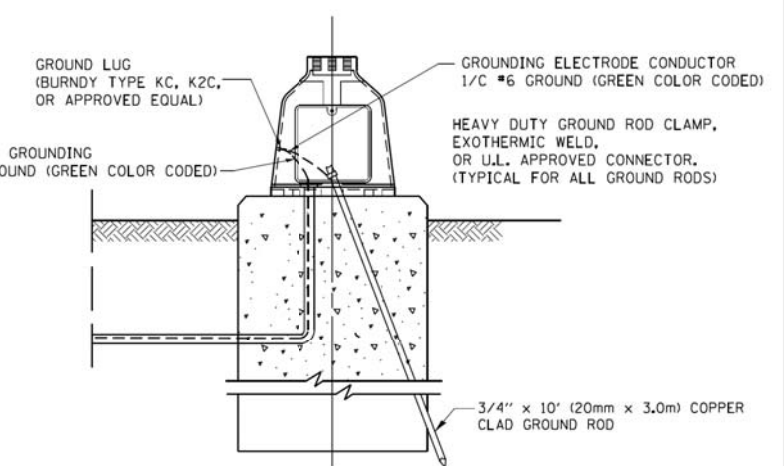
- ALL CLAMPS SHALL BE BRONZE OR COPPER, UL APPROVED.
- GROUND CABLE SHALL BE LOOPED OVER HOOKS IN THE HANDHOLES 6.5' (2.0m) SLACK SHALL BE PROVIDED IN SINGLE HANDHOLES 13' (4.0m) OF SLACK SHALL BE PROVIDED IN DOUBLE HANDHOLES. 5' (1.4m) OF SLACK SHALL BE PROVIDED BETWEEN FRAME AND COVER.



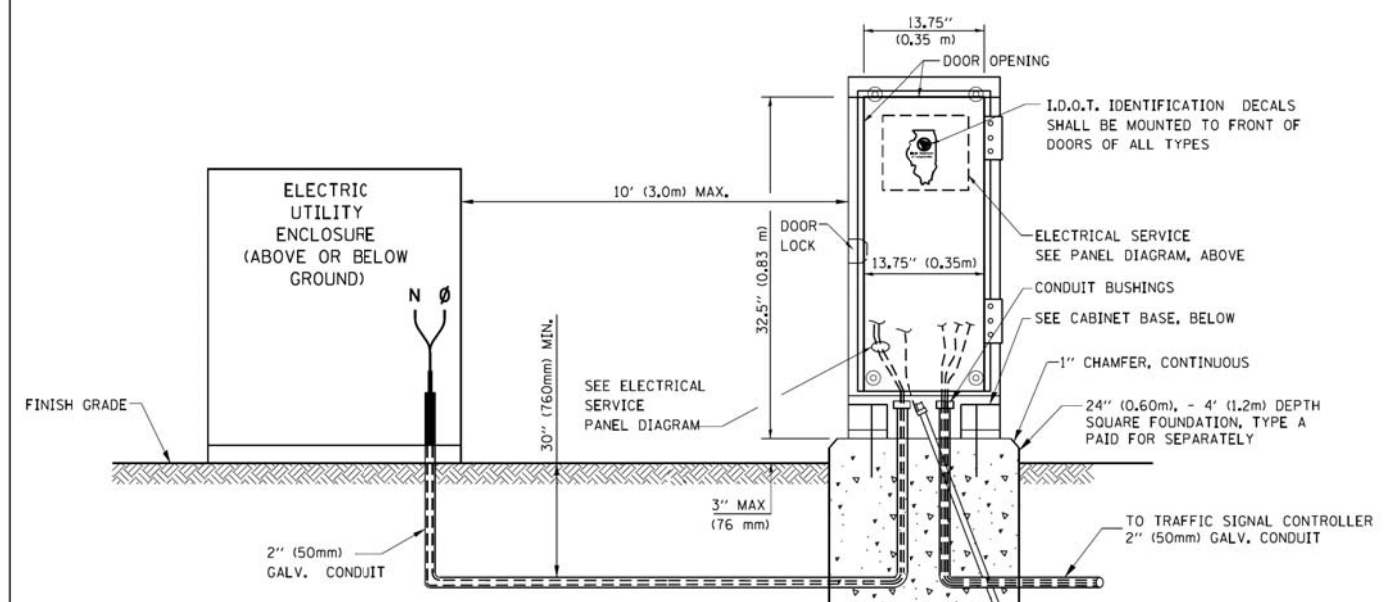
HANDHOLE COVER & FRAME - GROUNDING DETAIL (NOT TO SCALE)



EXISTING HANDHOLE COVER & FRAME - GROUNDING DETAIL (NOT TO SCALE)

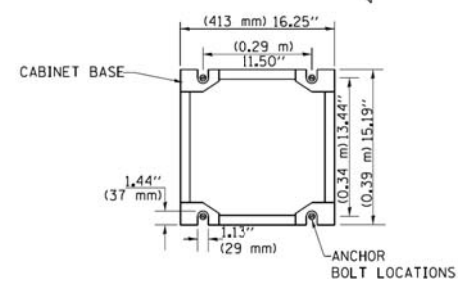


MAST ARM POLE / POST-GROUNDING DETAIL (NOT TO SCALE)



SERVICE INSTALLATION GROUND MOUNT (NOT TO SCALE)

CABINET - BASE BOLT PATTERN (NOT TO SCALE)

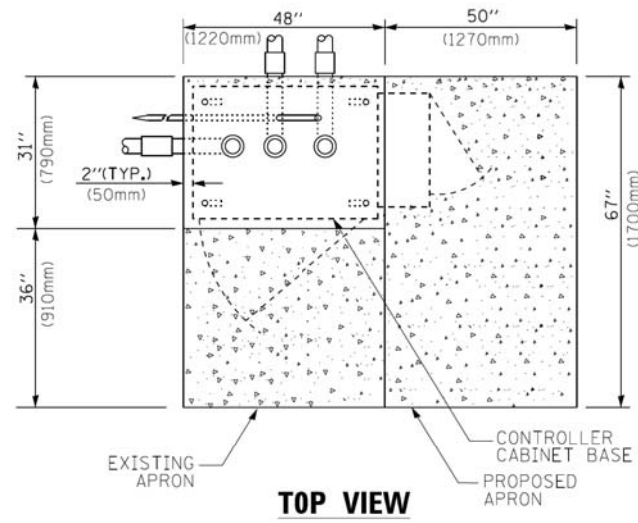


FILE NAME =	USER NAME = footemj	DESIGNED - DAD	REVISED - DAG 1-1-14
ct:\pw\work\p\dot\footemj\0108315\ts05.dgn		DRAWN - BCK	REVISED -
		CHECKED - DAD	REVISED -
		DATE - 10-28-09	REVISED -

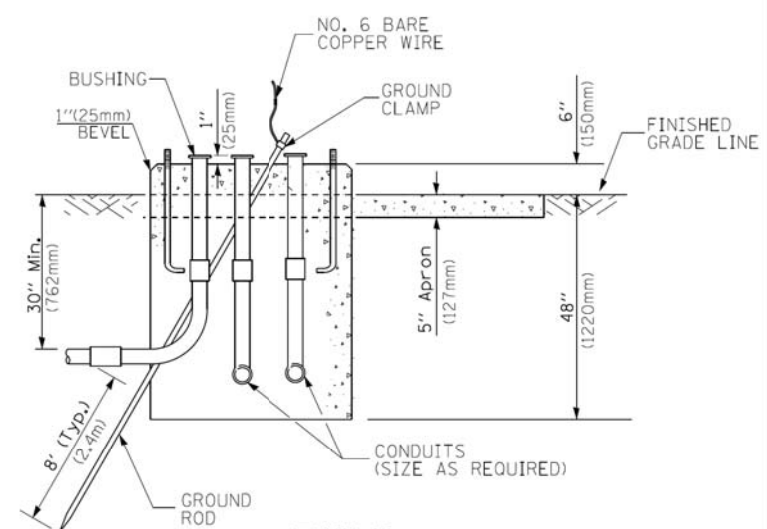
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

DISTRICT ONE	
STANDARD TRAFFIC SIGNAL DESIGN DETAILS	
SCALE: NONE	SHEET NO. 4 OF 7 SHEETS STA. TO STA.

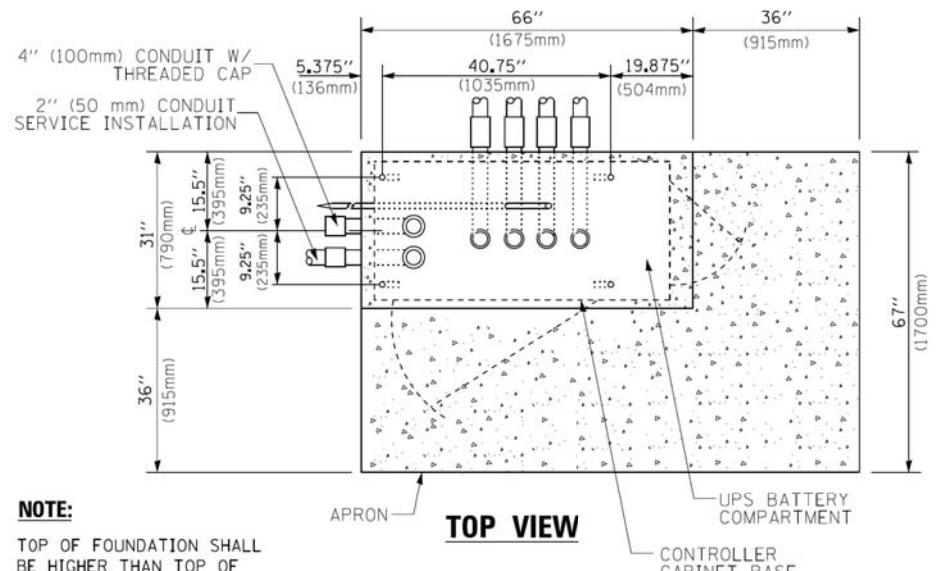
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1262	17-00103-00-PV	LAKE	93	63
TS-05		CONTRACT NO. 61F47		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



TOP VIEW

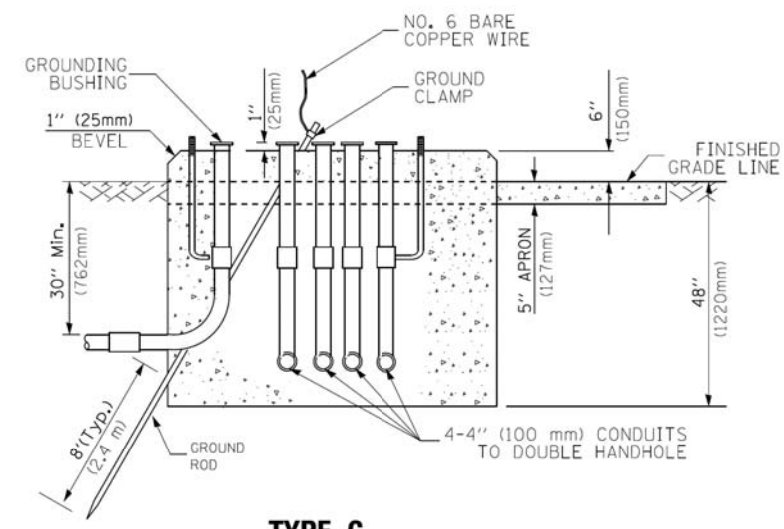


**TYPE D
FOR GROUND MOUNTED
CONTROLLER CABINET
AND UPS BATTERY CABINET**

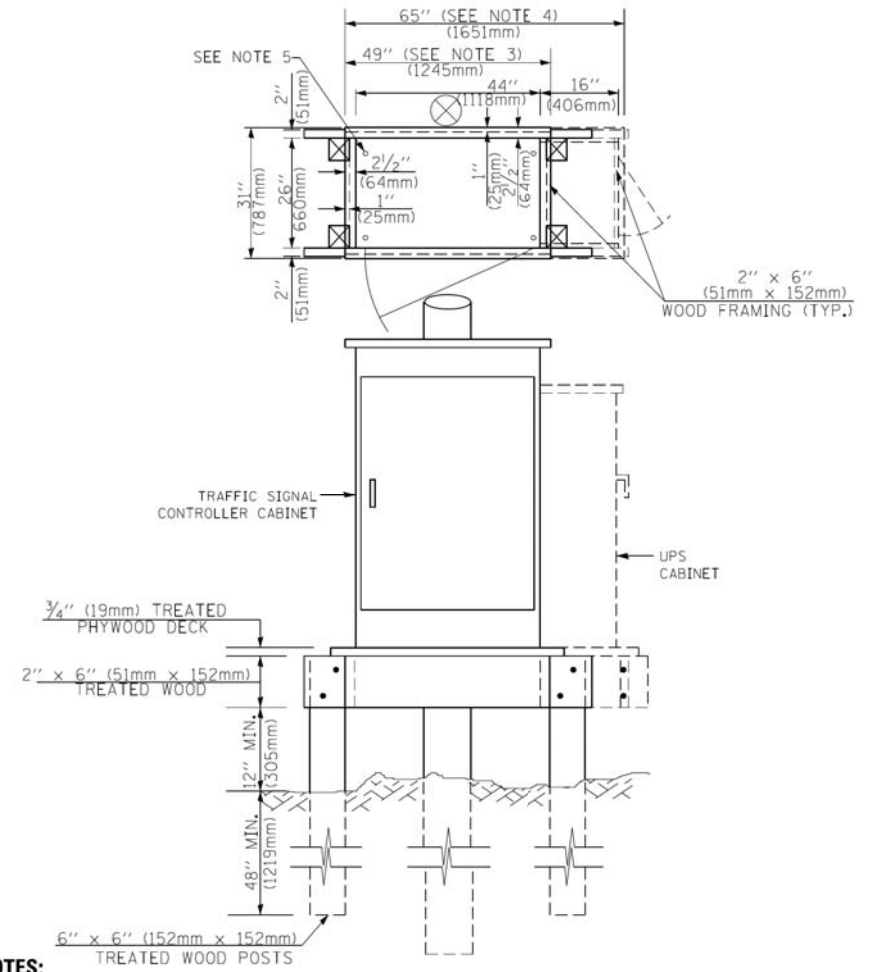


TOP VIEW

NOTE:
TOP OF FOUNDATION SHALL BE HIGHER THAN TOP OF DOUBLE HANDHOLE



**TYPE C
FOR GROUND MOUNTED
SUPER P (TYPE IV) AND SUPER R (TYPE V)
CONTROLLER CABINETS**



NOTES:

- BASED ON CONTROLLER CABINET TYPE IV WITH BASE DIMENSIONS OF 26" x 44" (660mm x 1118mm). ADJUST PLATFORM SIZE TO FIT CABINET BASE DIMENSIONS BEING SUPPLIED.
- BASED ON UNINTERRUPTIBLE POWER SUPPLY CABINET WITH BASE DIMENSIONS OF 16" x 25" (406mm x 635mm). ADJUST PLATFORM SIZE TO FIT CABINET BASE DIMENSIONS BEING SUPPLIED.
- PLATFORM SIZE FOR CONTROLLER CABINET TYPE IV.
- PLATFORM SIZE FOR CONTROLLER CABINET TYPE IV AND UNINTERRUPTIBLE POWER SUPPLY CABINET.
- DRILLED HOLES THROUGH THE PLATFORM BASE TO MATCH THE CONTROLLER CABINET BOLT TEMPLATE. FASTEN THE CONTROLLER CABINET TO THE PLATFORM WITH CARRIAGE BOLTS, WASHERS AND NUTS.
- FASTEN ALL SUPPORT WOOD FRAMING TO THE WOOD POSTS WITH 2 LAG SCREWS FOR EACH CONNECTION.

**TEMPORARY SIGNAL CONTROLLER
WOOD SUPPORT PLATFORM**

CABLE SLACK LENGTH	FEET	METER
HANDHOLE	6.5	2.0
DOUBLE HANDHOLE	13.0	4.0
SIGNAL POST	2.0	0.6
MAST ARM	2.0	0.6
CONTROLLER CABINET	1.5	0.5
FIBER OPTIC AT CABINET	13.0	4.0
ELECTRIC SERVICE AT (CABINET OR SERVICE LOCATION)	1.5	0.5
GROUND CABLE (SIGNAL POST, MAST ARM, CABINET)	1.5	0.5
GROUND CABLE (BETWEEN FRAME AND COVER)	5.0	1.6

CABLE SLACK

VERTICAL CABLE LENGTH	FEET	METER
MAST ARM POLE (MAST ARM MOUNTED SIGNAL HEAD) (L = MAST ARM LENGTH - DISTANCE TO SIGNAL HEAD FROM END OF ARM)	20.0+L	6.0+L
BRACKET MOUNTED (MAST ARM POLE OR SIGNAL POLE)	13.0	4.0
PEDESTRIAN PUSH BUTTON	6.0	2.0
SERVICE INSTALLATION POLE MOUNT TO SERVICE DROP	13.5	4.1
SERVICE INSTALLATION POLE MOUNT TO GROUND	13.5	4.1
SERVICE INSTALLATION GROUND MOUNT	6.0	2.0
FOUNDATION (SIGNAL POST, MAST ARM POLE, CONTROLLER CABINET, SERVICE-GROUND MOUNT)	3.0	1.0

VERTICAL CABLE LENGTH

FOUNDATION	DEPTH
TYPE A - Signal Post	4'-0" (1.2m)
TYPE C - CONTROLLER W/ UPS	4'-0" (1.2m)
TYPE D - CONTROLLER	4'-0" (1.2m)
SERVICE INSTALLATION, GROUND MOUNT, TYPE A - SQUARE	4'-0" (1.2m)

DEPTH OF FOUNDATION

MAST ARM LENGTH	① FOUNDATION DEPTH	FOUNDATION DIAMETER	SPIRAL DIAMETER	QUANTITY OF REBARS	SIZE OF REBARS
Less than 30' (9.1 m)	10'-0" (3.0 m)	30" (750mm)	24" (600mm)	8	6(19)
Greater than or equal to 30' (9.1 m) and less than 40' (12.2 m)	13'-6" (4.1 m)	30" (750mm)	24" (600mm)	8	6(19)
Greater than or equal to 40' (12.2 m) and less than 50' (15.2 m)	11'-0" (3.4 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 50' (15.2 m) and up to 55' (16.8 m)	13'-0" (4.0 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 56' (16.8 m) and less than 65' (19.8 m)	15'-0" (4.6 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 65' (19.8 m) and less than 75' (22.9 m)	21'-0" (6.4 m)	42" (1060mm)	36" (900mm)	16	8(25)
Greater than or equal to 75' (22.9 m) and up to 75' (22.9 m)	25'-0" (7.6 m)	42" (1060mm)	36" (900mm)	16	8(25)

NOTES:

- These foundation depths are for sites which have cohesive soils (clayey silt, sandy clay, etc.) along the length of the shaft, with an average Unconfined Compressive Strength (Qu) > 1.0 tsf (100 kpa). This strength shall be verified by boring data prior to construction or with testing by the Engineer during foundation drilling. The Bureau of Bridges & Structures should be contacted for a revised design if other conditions are encountered.
- Combination mast arm assemblies under 55 feet (16.8 m) shall use 36" (900 mm) diameter foundations.
- Combination mast arm assemblies under 56 feet (16.8 m) through 75 feet (22.9 m) shall use 42" (1060 mm) diameter foundations.
- For mast arm assemblies with dual arms refer to state standard 878001..

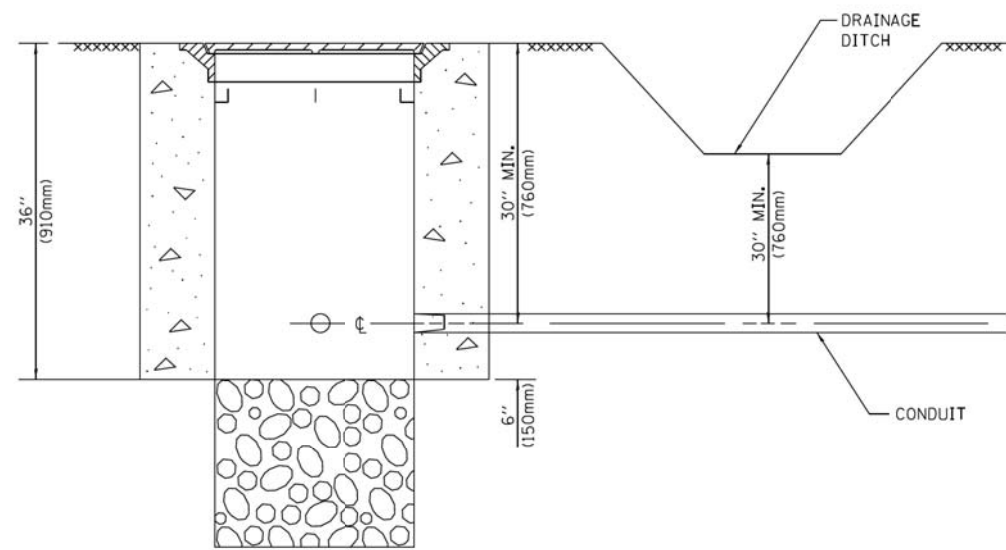
DEPTH OF MAST ARM FOUNDATIONS, TYPE E

FILE NAME =	USER NAME = footemj	DESIGNED - DAG	REVISED - DAG 1-1-14
ct:\pw\work\p1dot\footemj\d0108315\ts05.dgn		DRAWN - BCK	REVISED -
	PLOT SCALE = 58.0000 1/16"	CHECKED - DAD	REVISED -
	PLOT DATE = 1/13/2014	DATE - 10-28-09	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DISTRICT ONE			
STANDARD TRAFFIC SIGNAL DESIGN DETAILS			
SCALE: NONE	SHEET NO. 5 OF 7 SHEETS	STA.	TO STA.

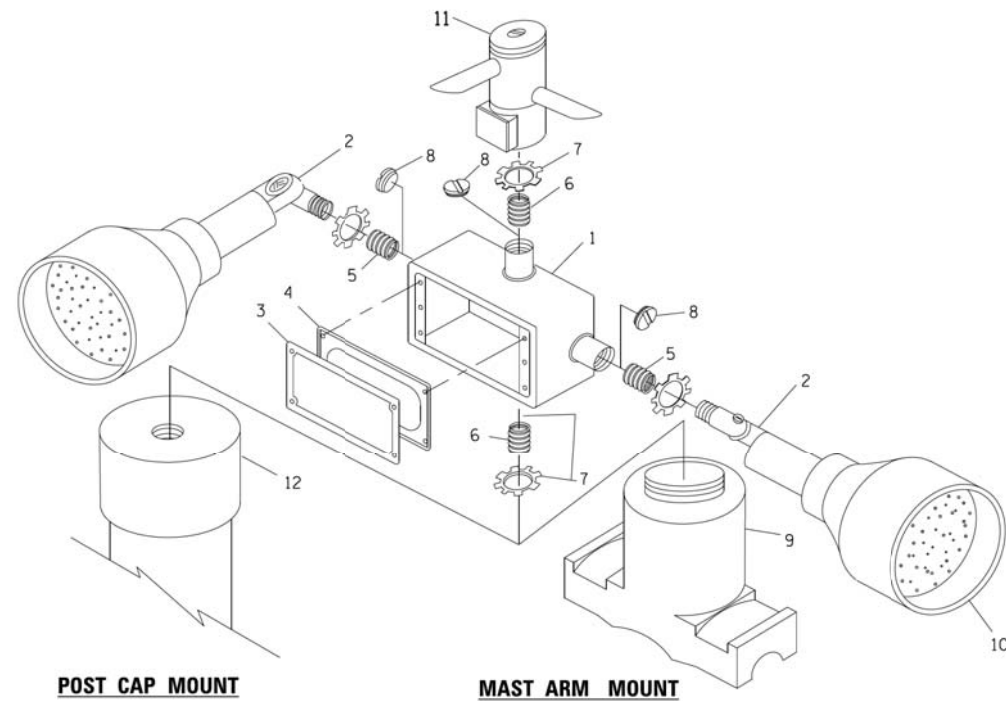
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1262	17-00103-00-PV	LAKE	93	64
TS-05		CONTRACT NO.	61F47	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



NOTES:

1. CONDUIT DEPTH SHALL BE A MINIMUM OF 30" (760mm) BELOW THE BOTTOM OF THE DRAINAGE DITCH OR ANY SLOPING GROUND
2. THE MINIMUM CONDUIT DEPTH APPLIES TO ALL CONDUIT PLACED UNDER ROADWAY PAVEMENT, MULTI-USE PATHS, SIDEWALKS AND SOIL SURFACES.
3. THE MINIMUM CONDUIT DEPTH APPLIES TO ALL HANDHOLES, HEAVY DUTY HANDHOLES AND DOUBLE HANDHOLES.

HANDHOLE WITH MINIMUM CONDUIT DEPTH
(NOT TO SCALE)

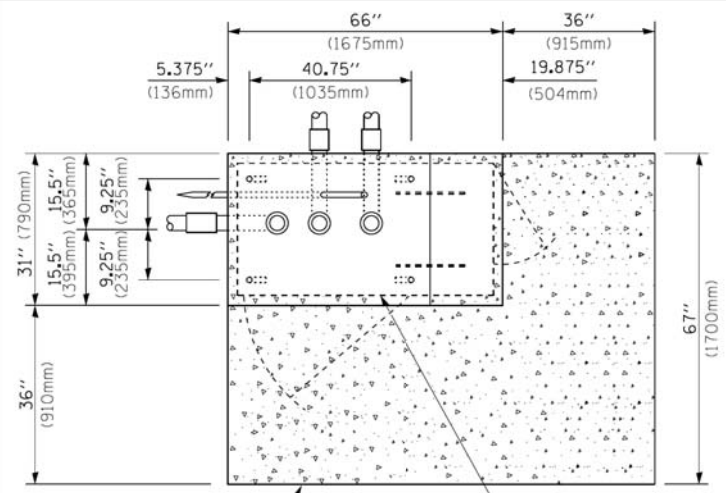


POST CAP MOUNT **MAST ARM MOUNT**
EMERGENCY VEHICLE DETECTOR WITH CONFIRMATION BEACON MOUNTING DETAIL

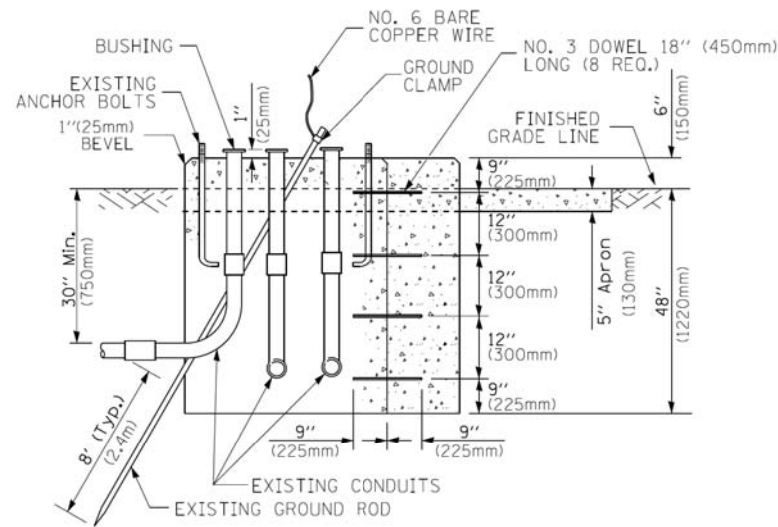
ITEM NO.	IDENTIFICATION
1	OUTLET BOX- GALV. 21 CU.IN. (0,000344 CU-M)
2	LAMP HOLDER AND COVER
3	OUTLET BOX COVER
4	RUBBER COVER GASKET
5	REDUCING BUSHING
6	3/4" (19 mm) CLOSE NIPPLE
7	3/4" (19 mm) LOCKNUT
8	3/4" (19 mm) HOLE PLUG
9	SADDLE BRACKET - GALV.
10	6 WATT PAR 38 LED FLOOD LAMP
11	DETECTOR UNIT
12	POST CAP [18 FT. (5.4 m) POST MIN.]

NOTES:

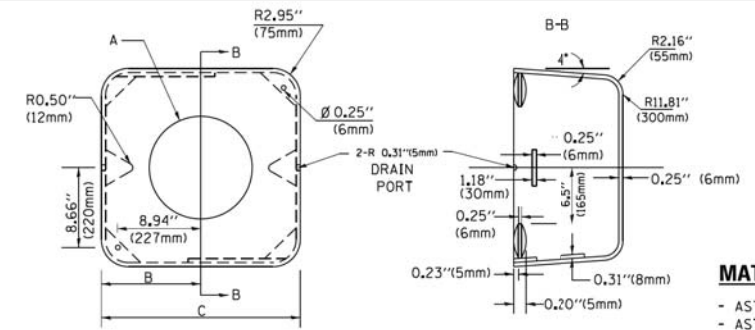
1. ALL ELECTRICAL ITEMS, EXCEPT ITEMS #2 AND #11 SHALL BE ALUMINUM OR GALVANIZED
2. ITEM #1- OZ/GEDNEY FSX-1-50 OR EQUIVALENT
ITEM #2- MULBERRY CON-O-SHADE LAMP SHIELD OR EQUIVALENT
ITEM #9- "BAND-IT" SADDLE BRACKET OR EQUIVALENT
3. WHEN POST MOUNTING IS SPECIFIED, ITEM #9 SHALL NOT BE REQUIRED. THE DETECTION UNIT SHALL BE MOUNTED DIRECTLY ON TOP OF THE CAP BY DRILLING AND TAPPING A 3/4" (19 mm) HOLE WITH PIPE THREADS. THE POST CAP SHALL EITHER BE SCREWED TO THE TOP OF THE POST OR A MINIMUM OF 3 TIGHTENING SCREWS SHALL BE REQUIRED ON EACH CAP.



TOP VIEW
(NOT TO SCALE)



MODIFY EXISTING TYPE "D" FOUNDATION TO TYPE "C" FOUNDATION
(NOT TO SCALE)



MATERIAL:
- ASTM A36 STEEL
- ASTM A-123 HOT DIPPED GALVANIZED

A	B	C	HEIGHT	WEIGHT
VARIABLES	9.5" (241mm)	19" (483mm)	7" (178mm) - 12" (300mm)	53 lbs (24kg)
VARIABLES	10.75" (273mm)	21.5" (546mm)	7" (178mm) - 12" (300mm)	68 lbs (31 kg)
VARIABLES	13.0" (330mm)	26" (660mm)	7" (178mm) - 12" (300mm)	81 lbs (37 kg)
VARIABLES	18.5" (470mm)	37" (940mm)	7" (178mm) - 12" (300mm)	126 lbs (57 kg)

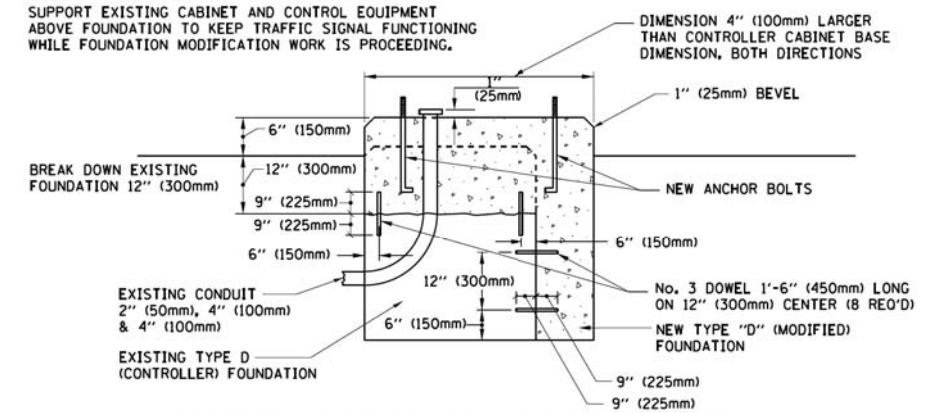
SHROUD

NOTES:

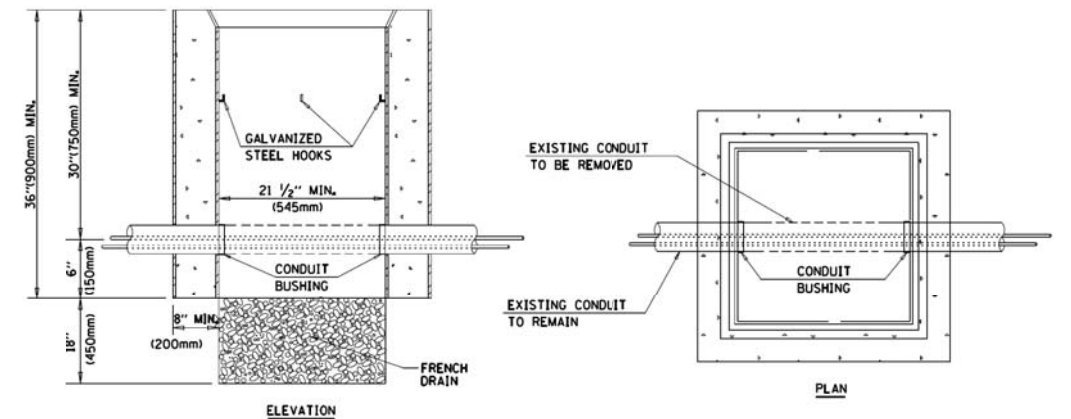
1. DIMENSION "A" IS EQUAL TO THE DIAMETER OF THE MAST ARM POLE AT THE TOP OF THE SHROUD. THE SHROUD SHALL BE TIGHT TO THE MAST ARM POLE.
2. THE SUPPLIER SHALL VERIFY THE ABOVE DIMENSIONS BASED ON MAST ARM REQUIREMENTS.
3. THE HEIGHT OF THE SHROUD SHALL COVER THE ANCHOR BOLTS, NUTS AND MAST ARM POLE BASE.

NOTE:

SUPPORT EXISTING CABINET AND CONTROL EQUIPMENT ABOVE FOUNDATION TO KEEP TRAFFIC SIGNAL FUNCTIONING WHILE FOUNDATION MODIFICATION WORK IS PROCEEDING.



MODIFY EXISTING TYPE "D" FOUNDATION



NOTES:

1. HANDHOLE CONSTRUCTED PER STATE STANDARD 814001.
2. REMOVAL OF THE EXISTING CONDUIT FROM THE HANDHOLE AND THE INSTALLATION OF THE CONDUIT BUSHINGS SHALL BE INCLUDED WITH THE COST OF THE HANDHOLE.

HANDHOLE TO INTERCEPT EXISTING CONDUIT

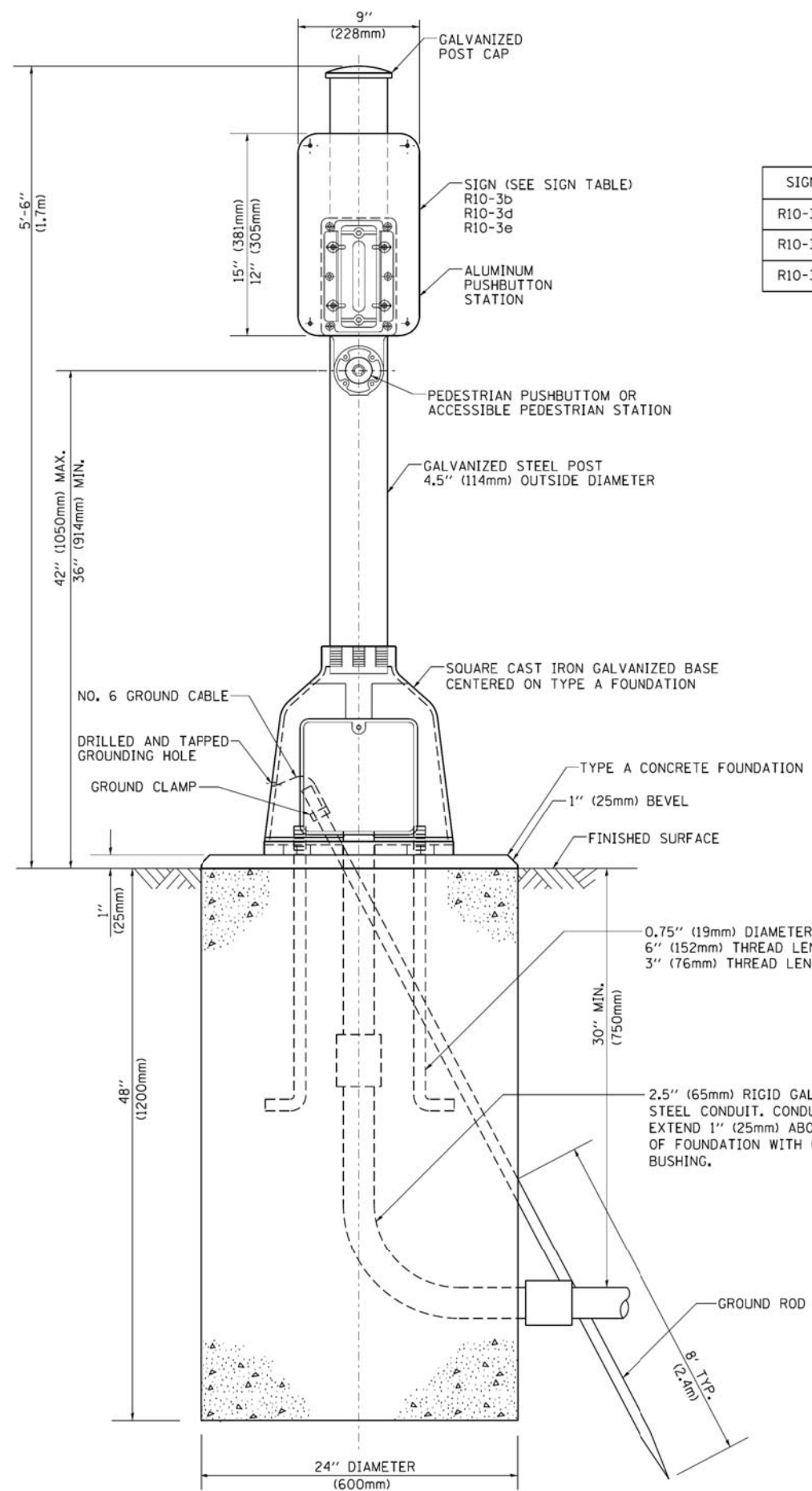
FILE NAME =	USER NAME = footemj	DESIGNED - DAD	REVISED - DAG 1-1-14
ct:\pw_work\p1dot\footemj\d0108315\ts05.dgn		DRAWN - BCK	REVISED -
	PLOT SCALE = 50.0000 1 / in.	CHECKED - DAD	REVISED -
	PLOT DATE = 1/13/2014	DATE - 10-28-09	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

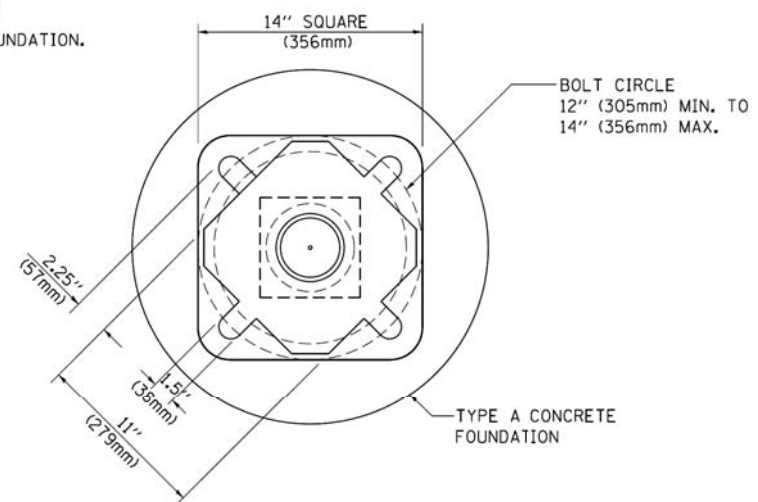
SCALE: NONE SHEET NO. 6 OF 7 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1262	17-00103-00-PV	LAKE	93	65
TS-05		CONTRACT NO.	61F47	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



SIGN TABLE

SIGN	DIMENSIONS
R10-3b	9" (228mm) X 12" (305mm)
R10-3d	9" (228mm) X 12" (305mm)
R10-3e	9" (228mm) X 15" (381mm)



BOLT PATTERN

PEDESTRIAN PUSH BUTTON POST, TYPE A

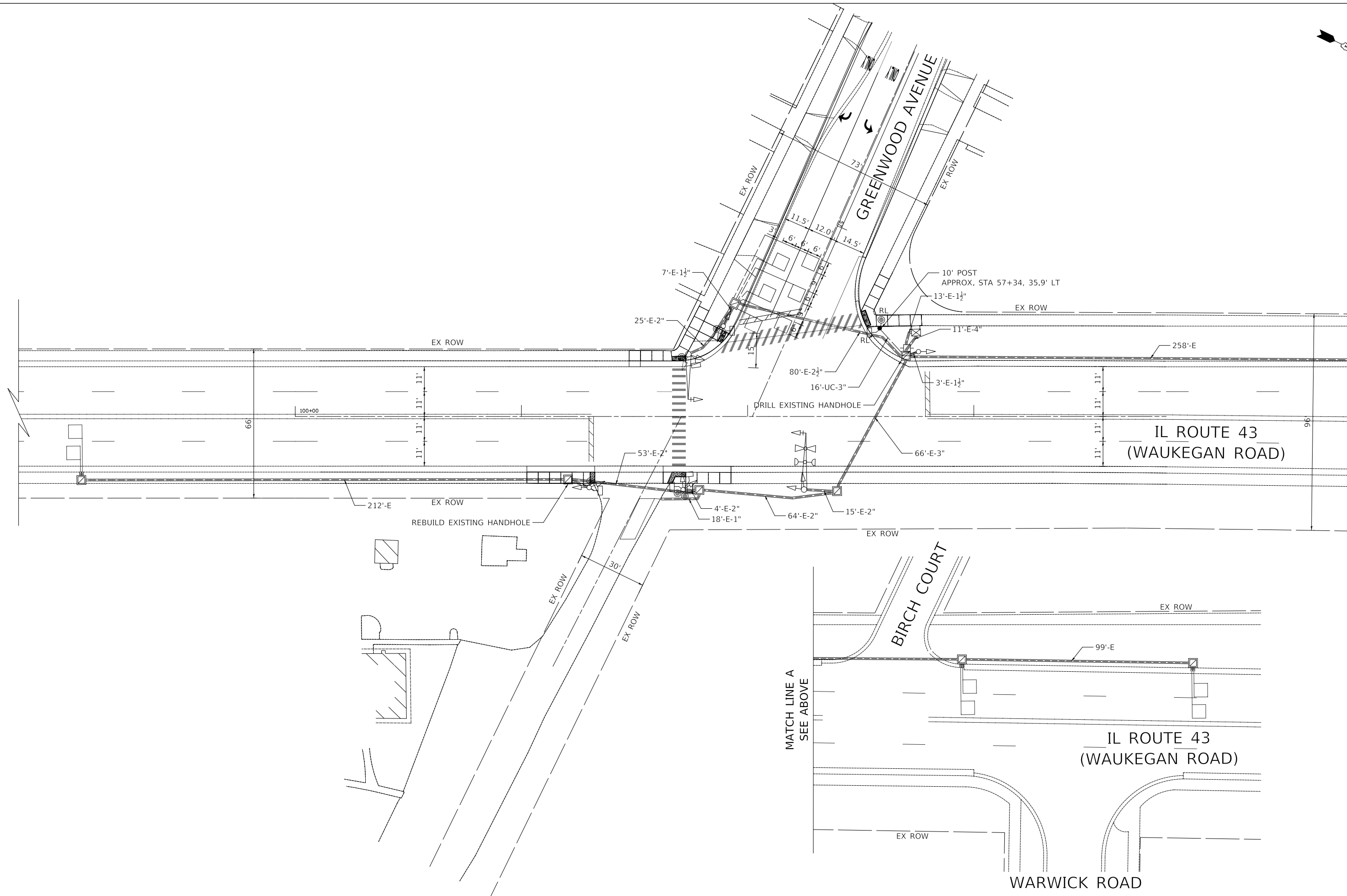
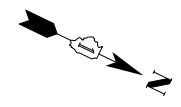
FILE NAME =	USER NAME = footemj	DESIGNED - DAG	REVISED - DAG 1-1-14
ct:\pw_work\pwidot\footemj\d0108315\ts05.dgn		DRAWN - GND	REVISED -
PLOT SCALE = 50.0000' / in.		CHECKED - DAD	REVISED -
PLOT DATE = 1/13/2014		DATE - 10/1/2012	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1262	17-00103-00-PV	LAKE	93	66
TS-05		CONTRACT NO. 61F47		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



MATCH LINE A
(SEE BELOW)

MATCH LINE A
SEE ABOVE

PLOT DRIVER = #PLOTDRVL\$
PEN TABLE = #PENTBL\$
FILE NAME = ...3275-shr-ts08.dgn



USER NAME = jrr	DESIGNED - TEM	REVISED -
	DRAWN - OJT	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - JJE	REVISED -
PLOT DATE = 1/4/2019	DATE - \$DATE	REVISED -

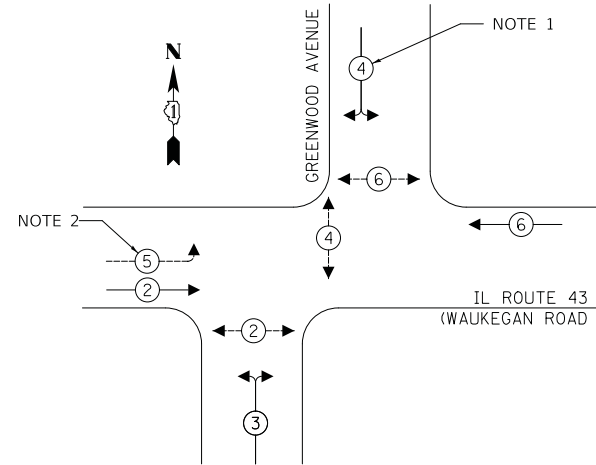
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC SIGNAL MODIFICATION PLAN
IL ROUTE 43 (WAUKEGAN ROAD) AT GREENWOOD AVENUE**

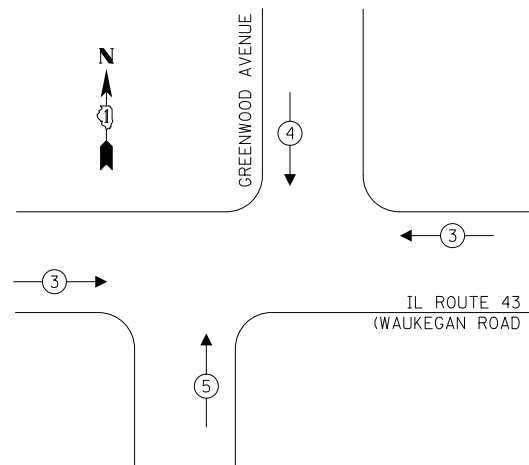
SCALE: 1"=20' SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1262	17-00103-00-PV	LAKE	93	67
CONTRACT NO. 61F47				
ILLINOIS FED. AID PROJECT				

EXISTING AND PROPOSED CONTROLLER SEQUENCE



EXISTING AND PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE



LEGEND:

- ← * → PROTECTED PHASE
- ← * → PROTECTED/PERMITTED PHASE
- ← * → PEDESTRIAN PHASE
- ← * OL → OVERLAP

NOTES

1. THESE SIGNAL HEADS SHALL BE BAGGED AND PHASE 4 DISCONNECTED DURING THE CLOSURE OF GREENWOOD AVENUE.
2. THE LEFT-TURN SECTIONS OF THESE SIGNAL HEADS SHALL BE BAGGED AND PHASE 5 DISCONNECTED DURING THE CLOSURE OF GREENWOOD AVENUE.

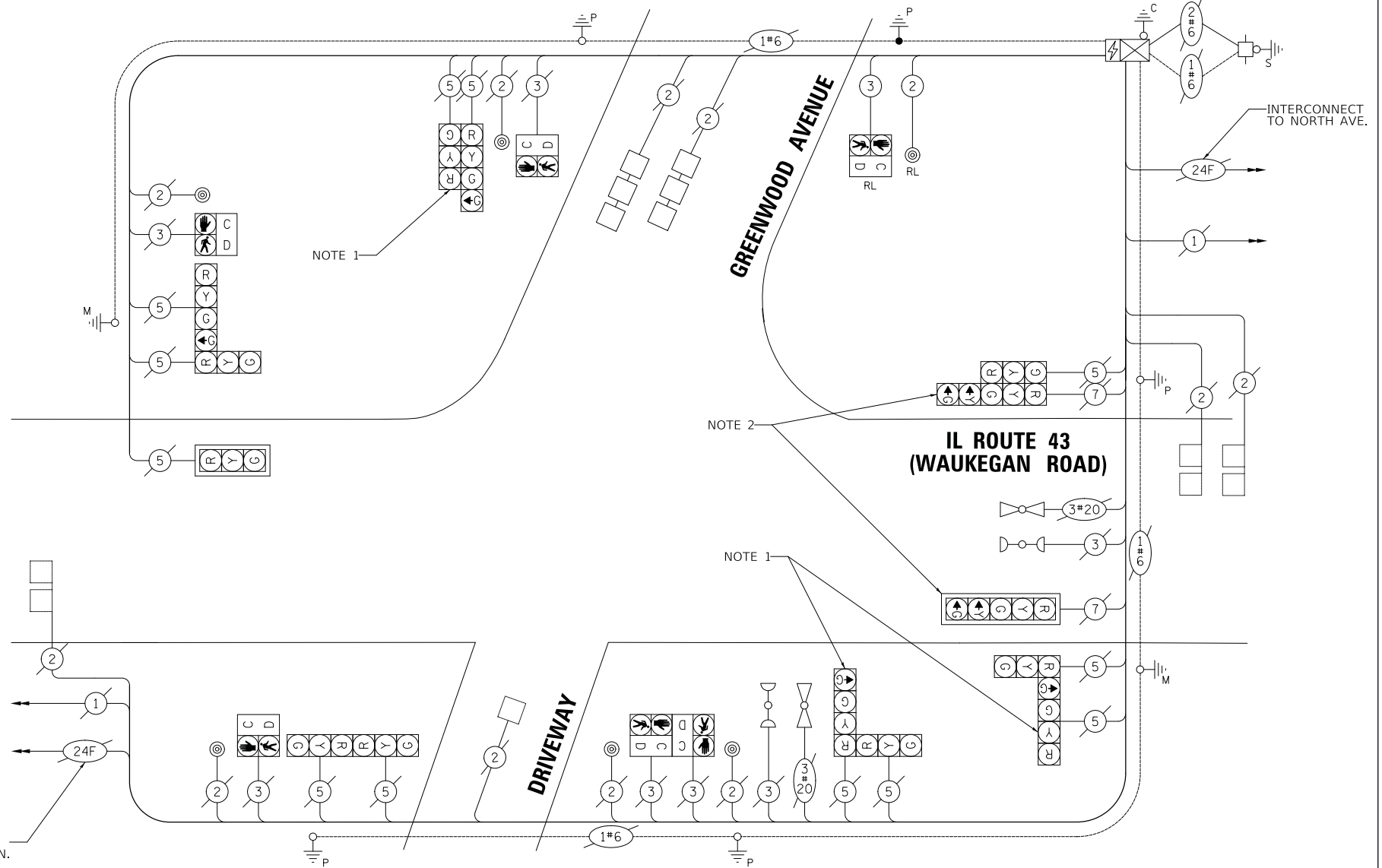
INTERCONNECT TO HAZEL AVE. / ELDER LN.

SCHEDULE OF QUANTITIES

PAY ITEM	UNIT	QNTY.
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	16
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	49
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	56
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	22
TRAFFIC SIGNAL POST, GALVANIZED STEEL 10 FT.	EACH	1
CONCRETE FOUNDATION, TYPE A	FOOT	4
DRILL EXISTING HANDHOLE	EACH	1
DETECTOR LOOP, TYPE I	FOOT	198
RELOCATE EXISTING PEDESTRIAN SIGNAL HEAD	EACH	1
RELOCATE EXISTING PEDESTRIAN PUSH-BUTTON	EACH	1
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	79
REBUILD EXISTING HANDHOLE	EACH	1
TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1

CABLE PLAN

(NOT TO SCALE)



TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	14	17	50	119
(YELLOW)	14	25	5	17.5
(GREEN)	18	15	45	121.5
PERMISSIVE ARROW	4	12	10	4.8
PED. SIGNAL	6	25	100	150
CONTROLLER	1	100	100	100.0
UPS	-	-	100	-
VIDEO SYSTEM	-	-	100	-
BLANK-OUT SIGN	-	-	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	-	50	-
LUMINAIRE	-	-	-	-
TOTAL =				512.8

ENERGY COSTS TO:

VILLAGE OF DEERFIELD
850 WAUKEGAN ROAD
DEERFIELD, ILLINOIS 60015

ENERGY SUPPLY: CONTACT: NEW BUSINESS
PHONE: (866) 639-3532
COMPANY: COM ED
ACCOUNT NUMBER: ---

PLOT DRIVER = #PLOTDRVL\$
PEN TABLE = #PENITBL\$
FILE NAME = ...3276-shr-ts09.dgn



USER NAME = jrr
DESIGNED - JJE
DRAWN - OJT
PLOT SCALE = 20.0000' / in.
CHECKED - JJE
PLOT DATE = 1/4/2019
DATE - \$DATE

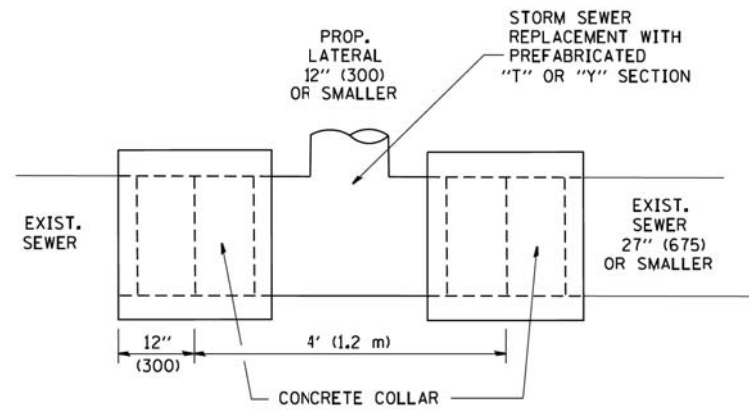
REVISED -
REVISED -
REVISED -
REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CABLE PLAN, PHASE DESIGNATION DIAGRAM, EMERGENCY VEHICLE
PREEMPTION SEQUENCE AND SCHEDULE OF QUANTITIES
IL ROUTE 43 (WAUKEGAN ROAD) AT GREENWOOD AVENUE**

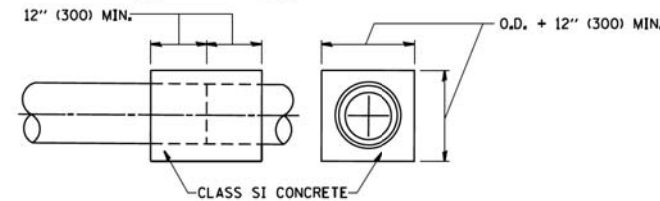
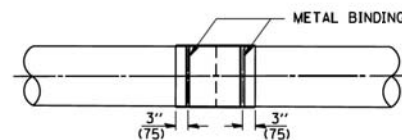
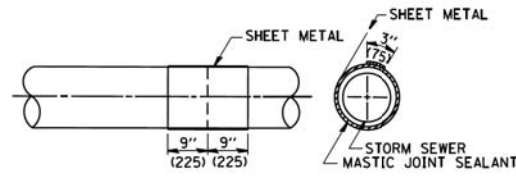
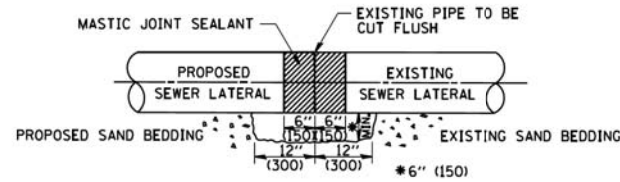
SCALE: NTS SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1262	17-00103-00-PV	LAKE	93	68
CONTRACT NO. 61F47			ILLINOIS FED. AID PROJECT	



DETAIL "A"

LATERAL CONNECTION TO EXISTING SEWER OF 27" (675) OR SMALLER

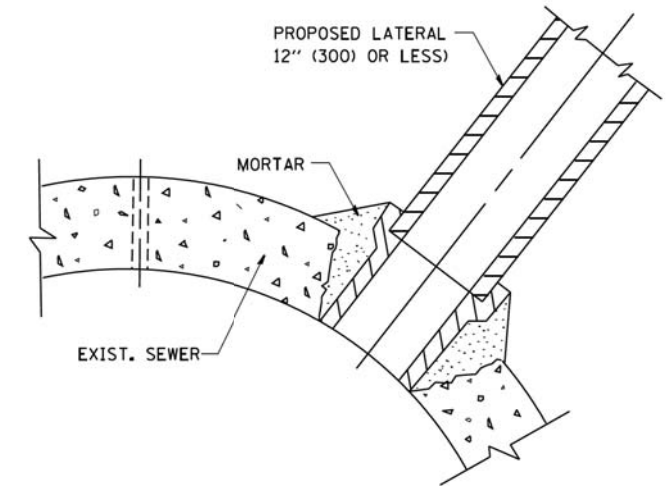


DETAIL "B"

CLASS SI CONCRETE COLLAR

CONSTRUCTION SEQUENCE

1. CUT THE EXISTING END OF THE PIPE SO AS TO PRESENT A FLUSH BUTT JOINT. BRUSH AND CLEAN ALL PIPES.
2. APPLY THE MASTIC JOINT SEALANT TO THE FIRST 6" (150) OF EACH PIPE.
3. BUTT THE PIPES TOGETHER LEAVING A MINIMUM OF 12" x 6" (300 x 150) DEEP EXCAVATION UNDER AND AROUND EACH PIPE END.
4. CUT A PIECE OF SHEET METAL GAGE NO. 19 1.1 (0.0418) 18" (450) WIDE BY THE OUTSIDE CIRCUMFERENCE OF THE PIPE PLUS 3" (75) LONG.
5. WRAP THE SHEET METAL AROUND THE PIPES, 9" (225) ON EACH SIDE OF THE JOINT, STARTING AT THE TOP OF THE PIPE.
6. LAP THE SHEET METAL AT LEAST 3" (75) AT THE TOP OF THE PIPE AND PLACE THE MASTIC JOINT SEALANT BETWEEN THE LAP.
7. PLACE TWO METAL BANDS AROUND THE SHEET METAL AND TIGHTEN.
8. WIPE OFF ANY EXCESS MASTIC JOINT SEALANT THAT OZES OUT FROM BETWEEN THE SHEET METAL AND THE PIPES.
9. PLACE CLASS SI CONCRETE AROUND THE JOINT.



DETAIL "C"

PROPOSED LATERAL CONNECTION TO EXISTING SEWER OF 30" (750) OR LARGER

NOTES

MATERIAL

MATERIAL USED FOR THE TEE OR WYE SECTION SHALL BE COMPATIBLE WITH THE EXISTING STORM SEWER OR THE PROPOSED STORM SEWER.

CONSTRUCTION METHODS

- THIS WORK SHALL BE CONSTRUCTED IN CONFORMANCE WITH THE APPLICABLE PORTIONS OF SECTION 550 OF THE STANDARD SPECIFICATIONS.
- CONNECTION TO AN EXISTING STORM SEWER SHALL BE BY EITHER OF THE FOLLOWING METHODS:
 - PROPOSED STORM SEWER CONNECTION TO EXISTING SEWER OF 27" (675) OR SMALLER SEE DETAIL "A" AND "B".
 - PROPOSED STORM SEWER CONNECTION TO EXISTING SEWER OF 30" (750) OR LARGER SEE DETAIL "C".

IF THE EXISTING SEWER PIPE IS CRACKED, BROKEN OR OTHERWISE DAMAGED BY THE CONTRACTOR IN MAKING THE CIRCULAR OPENING, THE CONTRACTOR SHALL REPLACE THAT SECTION OF PIPE WITH PIPE EQUAL AND SIMILAR IN ALL RESPECTS TO THE PIPE IN THE EXISTING SEWER, IN A CAREFUL WORKMANLIKE MANNER, WITHOUT EXTRA COMPENSATION.

GENERAL

CARE MUST BE TAKEN TO PREVENT DEBRIS FROM ENTERING THE SEWER. ALL DEBRIS WHICH ENTERS THE SEWER MUST BE REMOVED. THE SEWER MUST BE LEFT CLEAN AND UNOBSTRUCTED UPON COMPLETION OF THE CONTRACT.

CARE MUST BE TAKEN TO PREVENT ANY PART OF THE NEW PIPE CONNECTION FROM PROJECTING INTO THE EXISTING SEWER.

BASIS OF PAYMENT

TEE OR WYE CONNECTIONS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR STORM SEWER TEE OR WYE OF THE TYPE AND SIZE SPECIFIED IN THE PLANS. THIS PRICE SHALL INCLUDE ALL EXCAVATION OF THE TRENCH, REMOVAL OF THE EXISTING STORM SEWER, FURNISHING AND INSTALLING THE SPECIFIED TEE OR WYE SECTION, FURNISHING AND INSTALLING THE REQUIRED CONCRETE COLLAR, AND ALL OTHER MATERIAL NECESSARY TO COMPLETE THIS WORK AS SHOWN AND SPECIFIED.

REMOVAL AND REINSTALLATION OF EXISTING STORM SEWER ADJACENT TO THE PROPOSED TEE OR WYE SECTION, FOR THE PURPOSE OF FACILITATING THE INSTALLATION OF THE TEE OR WYE SECTION, WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE WORK.

TRENCH BACKFILL, EXCAVATION IN ROCK AND REMOVAL AND REPLACEMENT OF UNSUITABLE MATERIAL BELOW PLAN BEDDING GRADE WILL BE PAID FOR SEPARATELY.

CONCRETE COLLAR FOR CONNECTING A PROPOSED STORM SEWER TO AN EXISTING STORM SEWER WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF THE PROPOSED STORM SEWER.

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

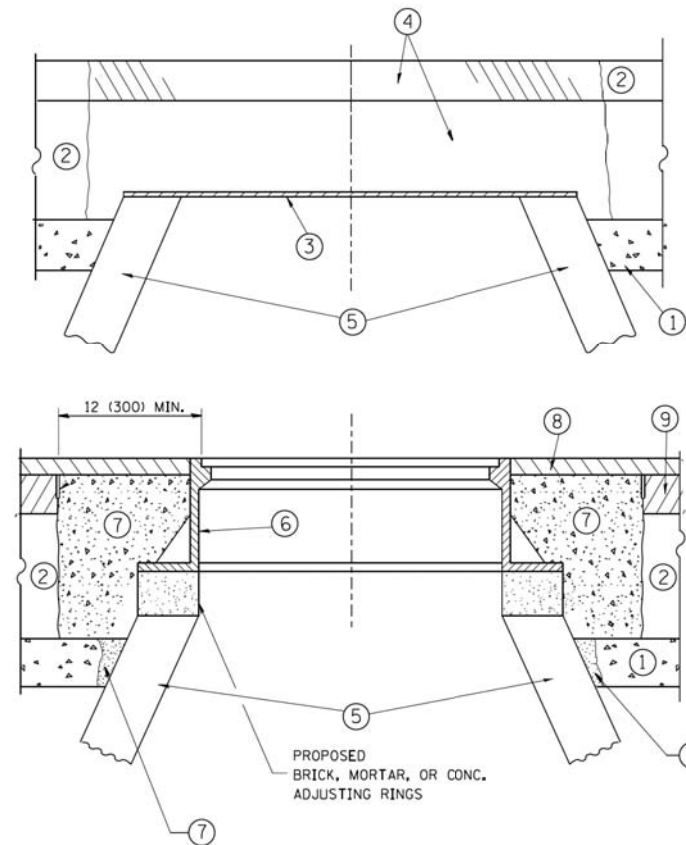
FILE NAME =	USER NAME = geglano01	DESIGNED - M. DE YONG	REVISED - M. DE YONG 05-08-92
W:\distsd\22x34\bd07.dgn		DRAWN -	REVISED - R. SHAH 09-09-94
	PLOT SCALE = 50,000' / IN.	CHECKED -	REVISED - R. SHAH 10-25-94
	PLOT DATE = 1/4/2008	DATE - 07-25-90	REVISED - R. SHAH 06-12-96

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DETAIL OF STORM SEWER
CONNECTION TO EXISTING SEWER**

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1262	17-00103-00-PV	LAKE	93	69
BD500-01 (BD-7)			CONTRACT NO. 61F47	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



CONSTRUCTION PROCEDURES

STAGE 1 (BEFORE PAVEMENT MILLING)

- A) REMOVE A MINIMUM OF 12 (300) OF THE PAVEMENT FROM AROUND THE STRUCTURE.
- B) REMOVE THE EXISTING FRAME AND LID FROM THE STRUCTURE.
- C) COVER THE STRUCTURE OPENING WITH A 36 (900) DIAMETER METAL PLATE.
- D) BACKFILL WITH CRUSHED STONE AND A MINIMUM 1/2 (40) THICK HMA SURFACE MIX APPROVED BY THE ENGINEER.

STAGE 2 (AFTER PAVEMENT MILLING)

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

* UNLESS OTHERWISE SPECIFIED IN THE PLANS.

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

LEGEND

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

LOCATION OF STRUCTURES:

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

BASIS OF PAYMENT:

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

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

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

NOTES:

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

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

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

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

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

DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING

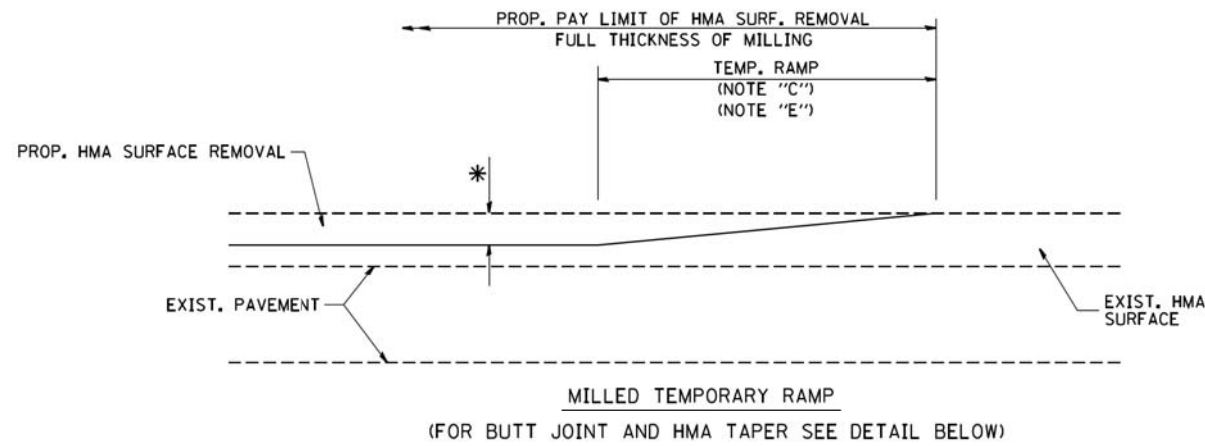
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

FILE NAME =	USER NAME = bauerdl	DESIGNED - R. SHAH	REVISED - R. WIEDEMAN 05-14-04
ct\pw\work\p\dot\bauerdl\d0108315\bd08.egn		DRAWN -	REVISED - R. BORO 01-01-07
	PLOT SCALE = 1/68,5000' / m	CHECKED -	REVISED - R. BORO 03-09-11
	PLOT DATE = 12/6/2011	DATE - 10-25-94	REVISED - R. BORO 12-06-11

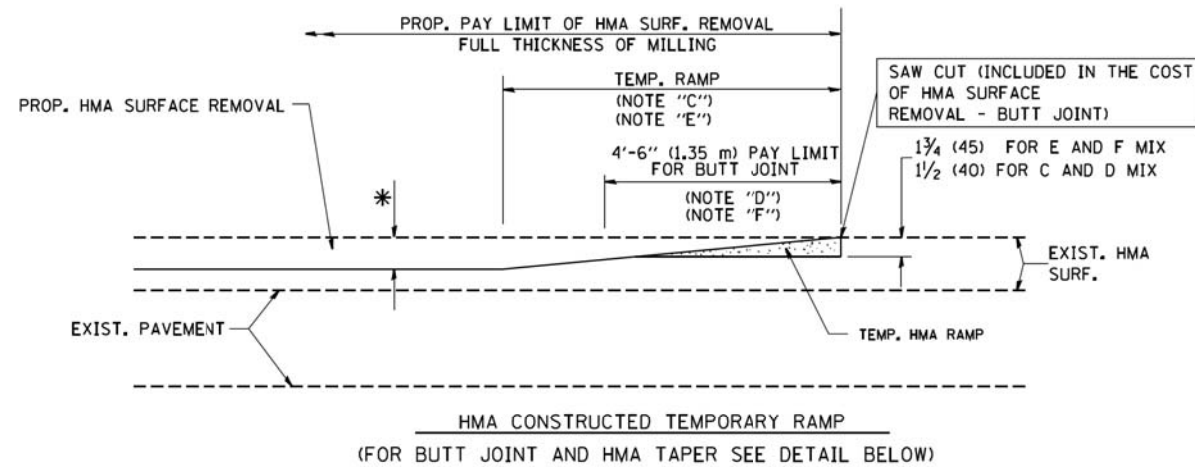
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1262	17-00103-00-PV	LAKE	93	70
BD600-03 (BD-8)			CONTRACT NO.	61F47
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

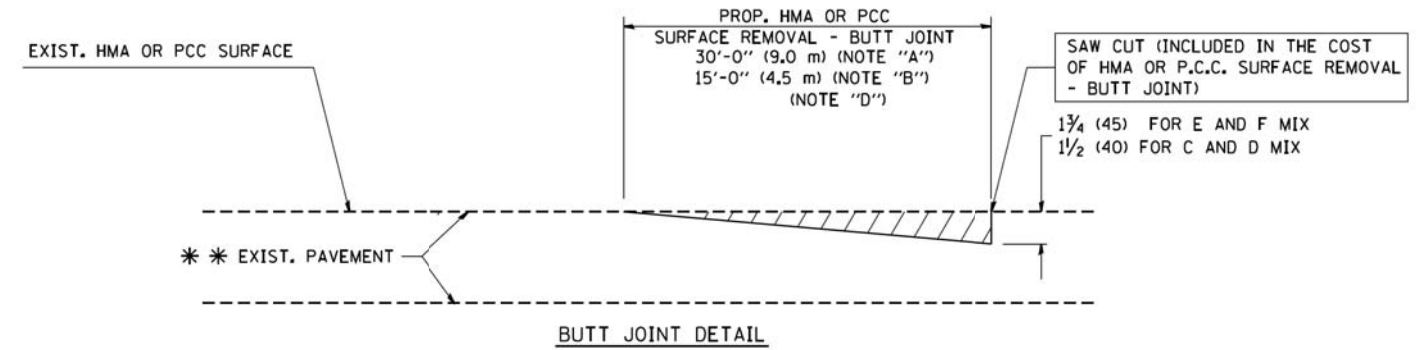


OPTION 1

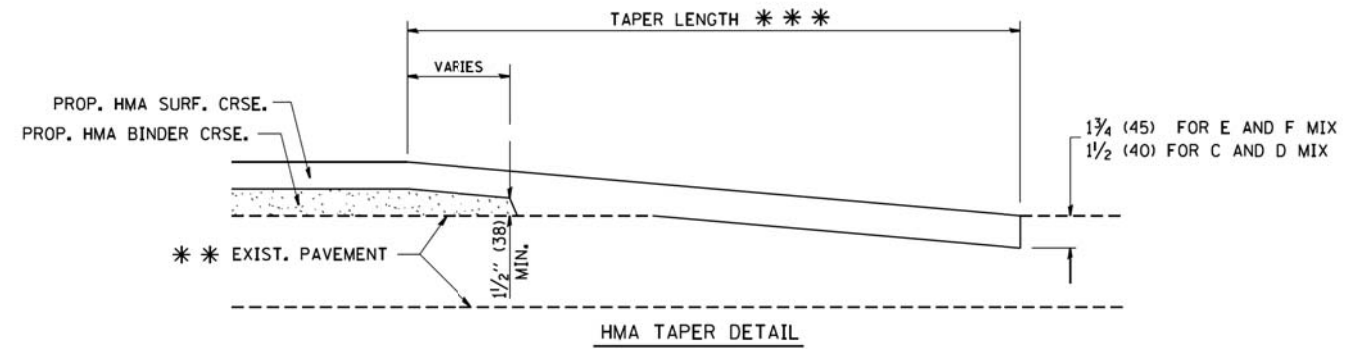


OPTION 2

TYPICAL TEMPORARY RAMP



BUTT JOINT DETAIL



HMA TAPER DETAIL

TYPICAL BUTT JOINT AND HMA TAPER FOR RESURFACING ONLY

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

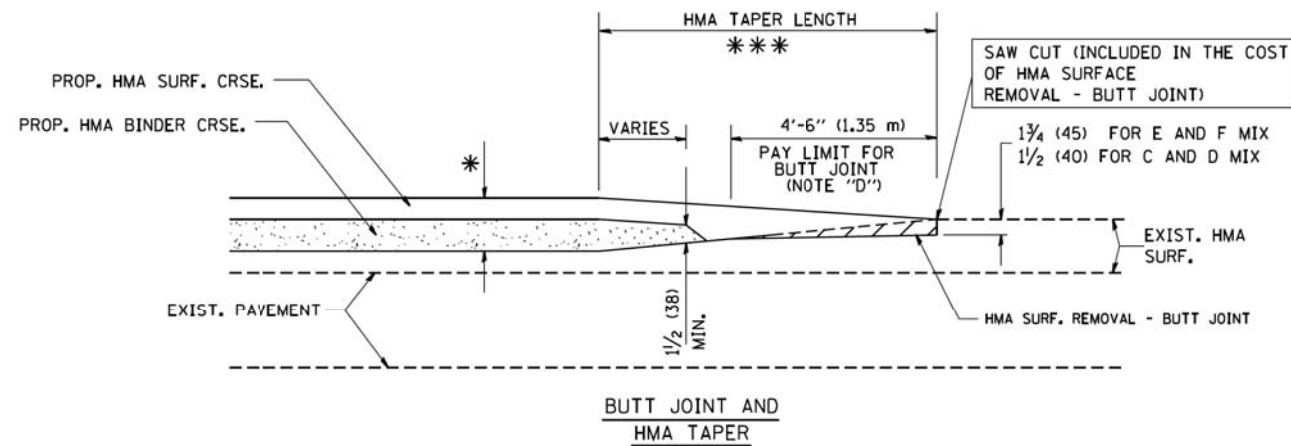
NOTES

- A: MAINLINE ROADWAYS AND MAJOR SIDE ROADS.
 - B: MINOR SIDE ROADS.
 - C: THE TEMP. RAMP SHALL BE CONSTRUCTED IMMEDIATELY UPON REMOVAL OF THE EXISTING HMA SURFACE.
 - D: THE BUTT JOINT SHALL BE CONSTRUCTED IMMEDIATELY PRIOR TO PLACING THE PROPOSED HMA COURSES.
 - E: TAPER THE TEMP. RAMP AT A RATE OF 3'-0" (900 mm) PER 1 INCH (25 mm) OF MILLING THICKNESS.
 - F: INSTALLATION AND REMOVAL OF THE 4'-6" (1.35 m) TEMP. RAMP IS INCLUDED IN COST OF HMA SURFACE REMOVAL - BUTT JOINT
 - G: SEE ARTICLE 406.08 AND 406.14 OF THE STANDARD SPECIFICATIONS FOR "HMA AND/OR PCC SURFACE REMOVAL, BUTT JOINT".
- * SEE TYPICAL SECTIONS FOR MILLING THICKNESS.
- *** 20'-0" (6.1 m) PER 1 (25) RESURFACING (NOTE "A")
10'-0" (3.0 m) PER 1 (25) RESURFACING (NOTE "B")

BASIS OF PAYMENT:

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

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



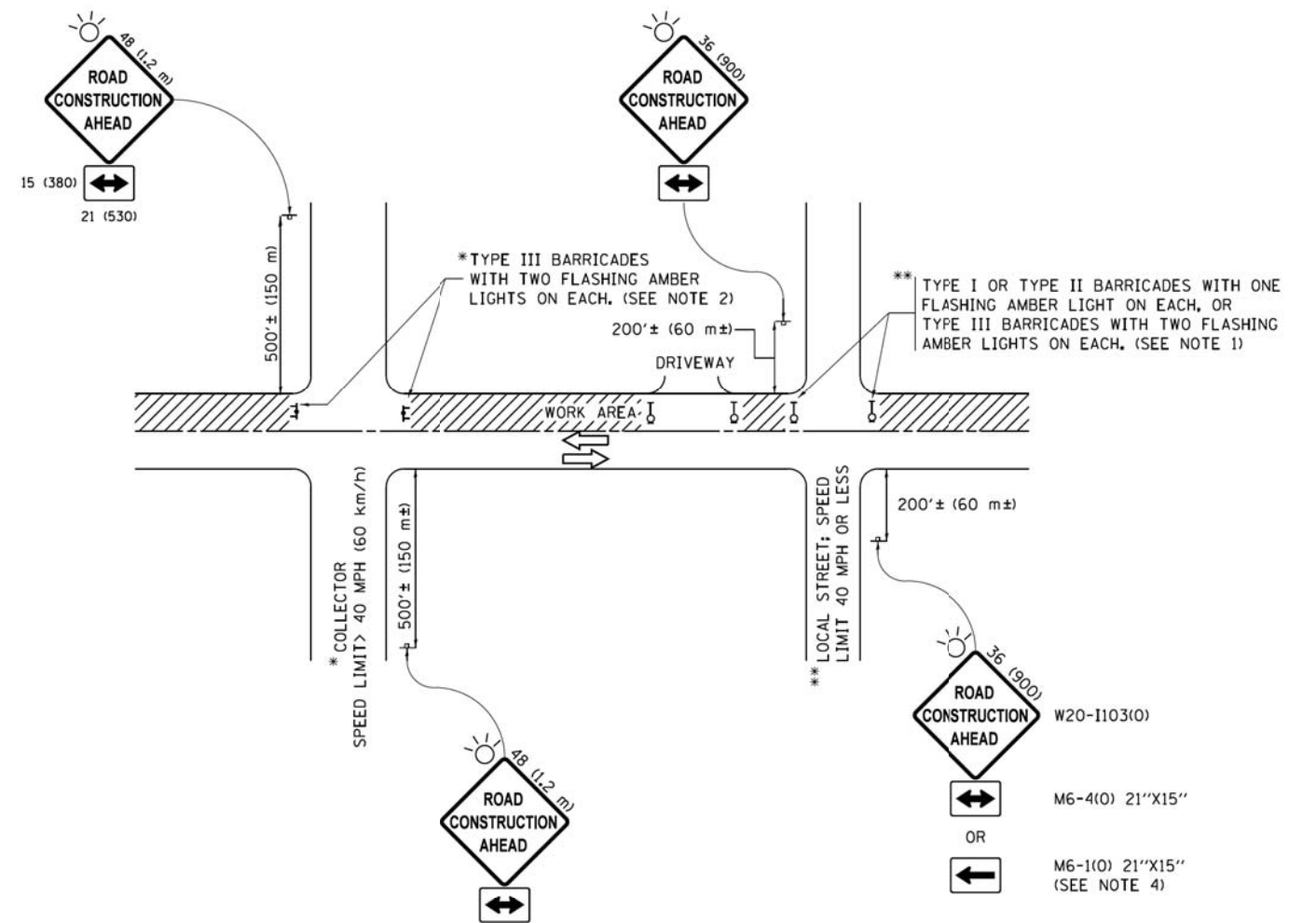
TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING

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

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1262	17-00103-00-PV	LAKE	93	71
BD400-05 BD32			CONTRACT NO. 61F47	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



NOTES:

1. SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - a) ONE "ROAD CONSTRUCTION AHEAD" SIGN 36 x 36 (900x900) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.
 - b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.
2. SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - a) ONE "ROAD CONSTRUCTION AHEAD" SIGN 48 x 48 (1.2 m x 1.2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE OF THE MAIN ROUTE.
 - b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.
3. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT.
4. WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).
5. WHEN WORK IS BEING PERFORMED ON A SIDE ROAD OR DRIVEWAY, FOLLOW THE APPLICABLE STANDARD(S). THE DIRECTIONAL ARROW (M6-1 OR M6-4) SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE TRAFFIC CONTROL SET-UP.
6. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAYS UNLESS OTHERWISE SPECIFIED IN THE PLANS OR BY THE ENGINEER.
7. THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

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

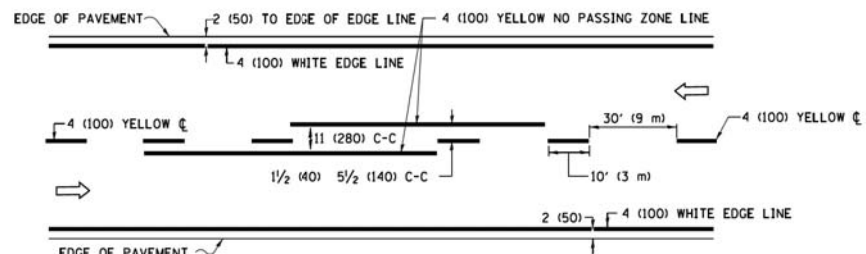
FILE NAME =	USER NAME = footemj	DESIGNED - L.H.A.	REVISED - A. HOUSEH 10-15-96
pw\l\084EBIDINTEG\illinois.gov\PWIDOT\Documents\DOT Offices\District 1\Projects\Dist 5\DRAWN\CADData\CADsheets\tc18.dgn		CHECKED -	REVISED - T. RAMMACHER 01-06-00
Default	PLOT SCALE = 50,000' / in	DATE - 06-89	REVISED - A. SCHUETZE 07-01-13
	PLOT DATE = 9/15/2016		REVISED - A. SCHUETZE 09-15-16

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

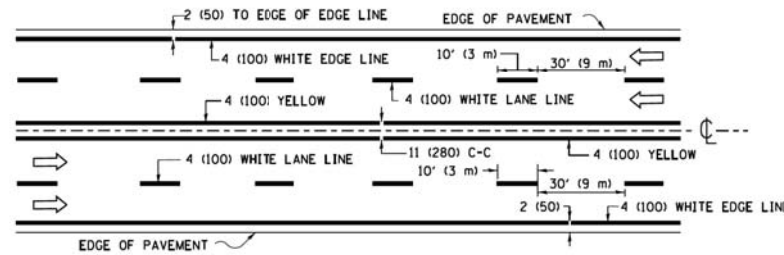
**TRAFFIC CONTROL AND PROTECTION FOR
SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS**

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

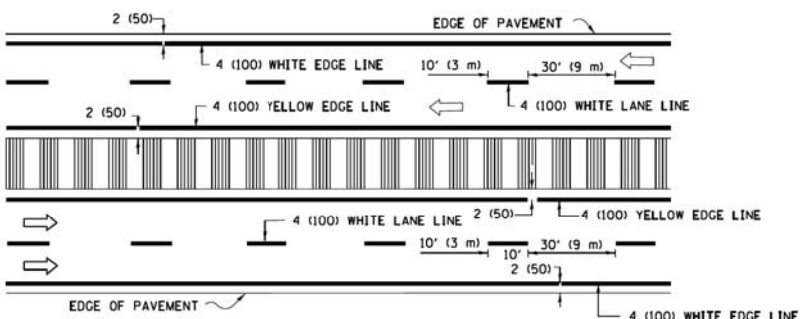
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1262	17-00103-00-PV	LAKE	93	72
TC-10			CONTRACT NO. 61F47	
ILLINOIS FED. AID PROJECT				



2-LANE ROADWAY

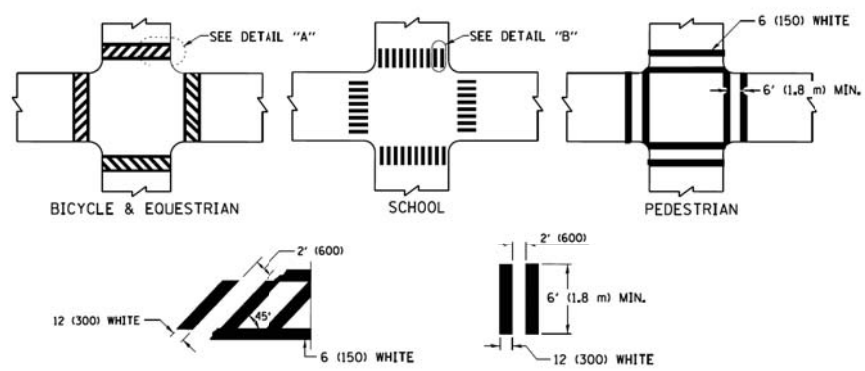


MULTI-LANE UNDIVIDED



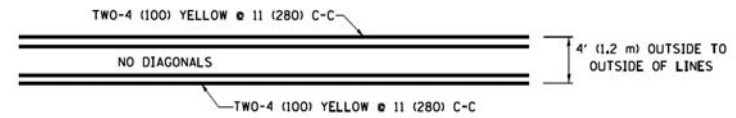
MULTI-LANE DIVIDED WITH MEDIAN

TYPICAL LANE AND EDGE LINE MARKING

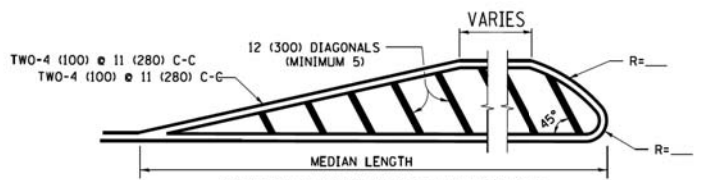


TYPICAL CROSSWALK MARKING

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

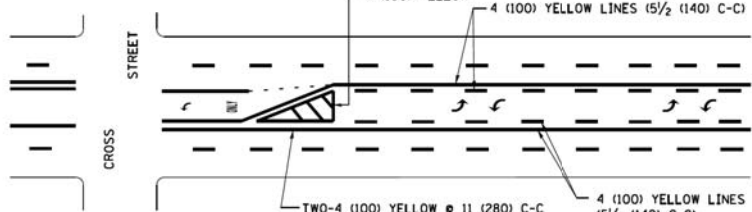


4' (1.2 m) WIDE MEDIANS ONLY

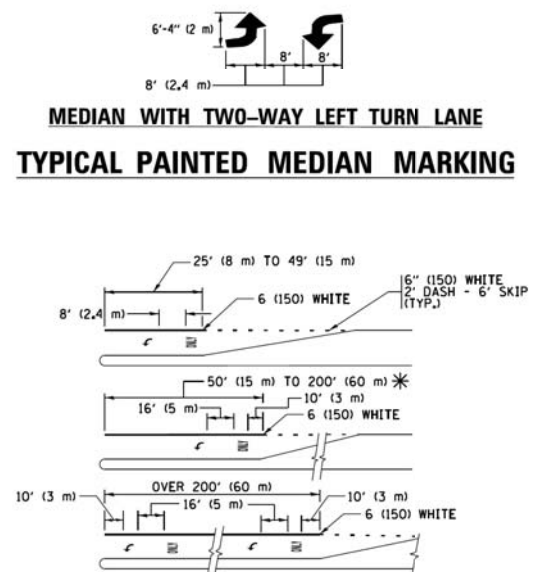


MEDIANS OVER 4' (1.2 m) WIDE

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

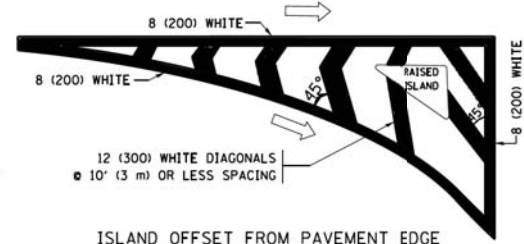


MEDIAN WITH TWO-WAY LEFT TURN LANE TYPICAL PAINTED MEDIAN MARKING

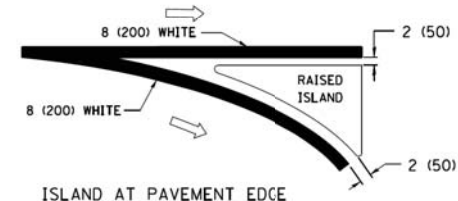


FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.
AREA = 15.6 SQ. FT. (1.5 m²) ONLY AREA = 20.8 SQ. FT. (1.9 m²)
* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

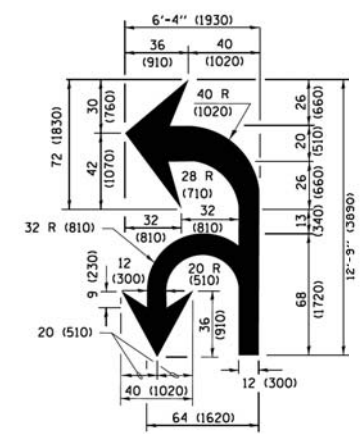
TYPICAL LEFT (OR RIGHT) TURN LANE TYPICAL TURN LANE MARKING



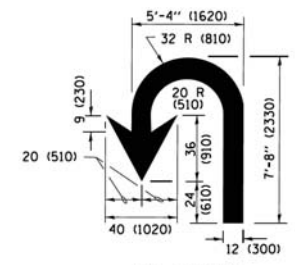
ISLAND OFFSET FROM PAVEMENT EDGE



ISLAND AT PAVEMENT EDGE TYPICAL ISLAND MARKING



COMBINATION LEFT AND U-TURN



U-TURN

LANE REDUCTION TRANSITION

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

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

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING /REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 @ 4 (100)	SOLID SOLID	YELLOW YELLOW	5 1/2 (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1.8 m) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MEDIANS IN YELLOW
TURN LANE MARKINGS	6 (150) LINE; FULL SIZE LETTERS & SYMBOLS (8' (2.4m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION 8' (2.4m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH 5 1/2 (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 @ 6 (150) 12 (300) @ 45° 12 (300) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT, OTHERWISE, PLACE AT DESIRED STOPPING POINT, PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE
PAINTED MEDIANS	2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45° NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS	SOLID	YELLOW; TWO WAY TRAFFIC WHITE; ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
CORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES; "RR" 15' 6" (4.7 m) LETTERS; 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "R"=3.6 SQ. FT. (0.33 m ²) EACH "X"=54.0 SQ. FT. (5.0 m ²)
SHOULDER DIAGONALS (REQUIRED FOR SHOULDERS ≥ 8')	12 (300) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (OVER 45MPH (70 km/h))
U TURN ARROW	SEE DETAIL	SOLID	WHITE	16.3 SF
2 ARROW COMBINATION LEFT AND U TURN	SEE DETAIL	SOLID	WHITE	30.4 SF

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

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

FILE NAME = W:\dststd\22x34\td13.dgn	USER NAME = lmyso	DESIGNED - EVERS	REVISED - C. JUCIUS 09-09-09
Default	PLOT SCALE = 50,000' / 1" = 1/4"	DRAWN -	REVISED - C. JUCIUS 07-01-13
	PLOT DATE = 6/23/2017	CHECKED -	REVISED - C. JUCIUS 12-21-15
		DATE - 03-19-90	REVISED - C. JUCIUS 04-12-16

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

DISTRICT ONE TYPICAL PAVEMENT MARKINGS

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1262	17-00103-00-PV	LAKE	93	73
TC-13		CONTRACT NO.	61F47	
ILLINOIS FED. AID PROJECT				

TURN BAY ENTRANCE AT START OF LANE CLOSURE TAPER

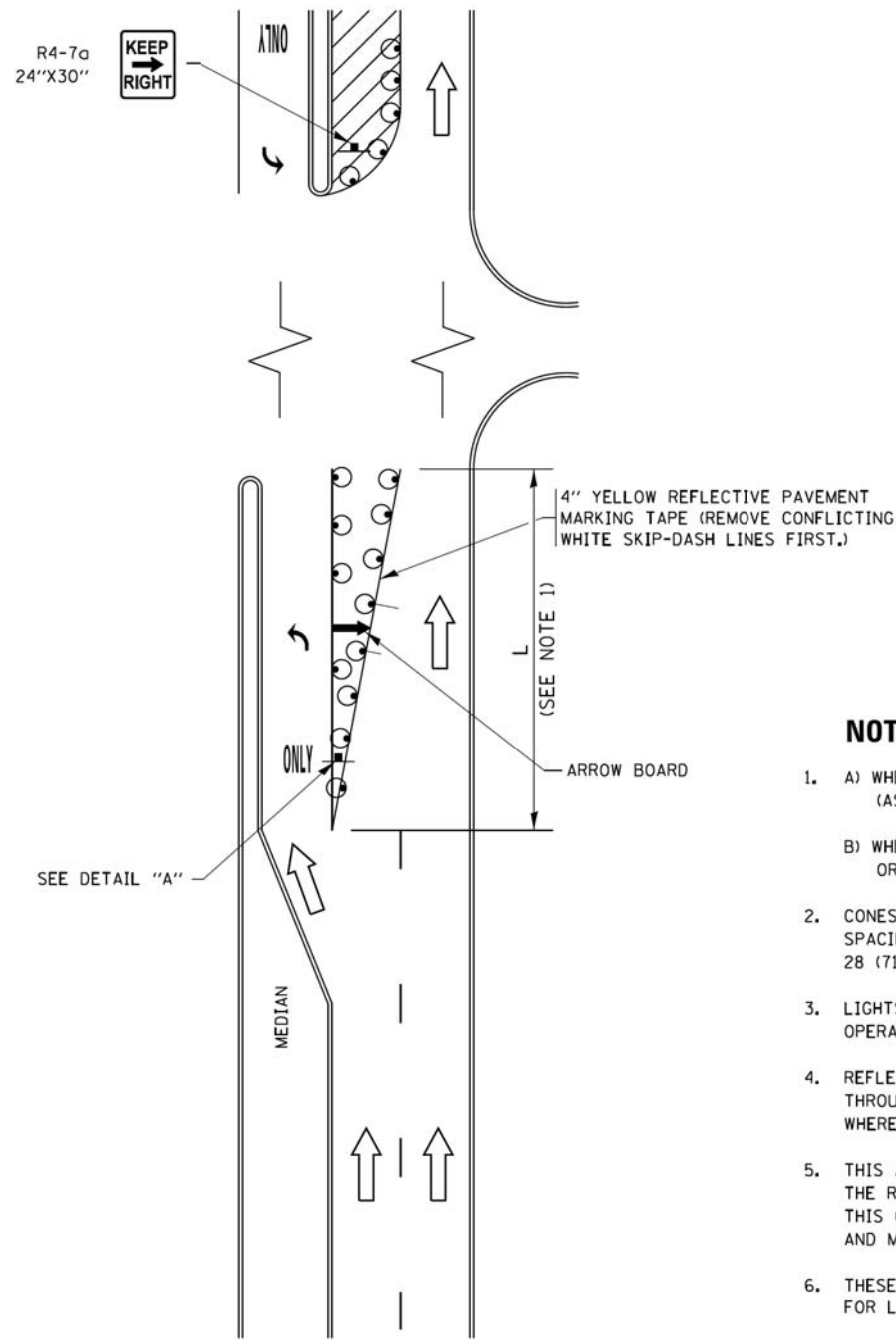


FIGURE 1

TURN BAY ENTRANCE WITHIN A LANE CLOSURE

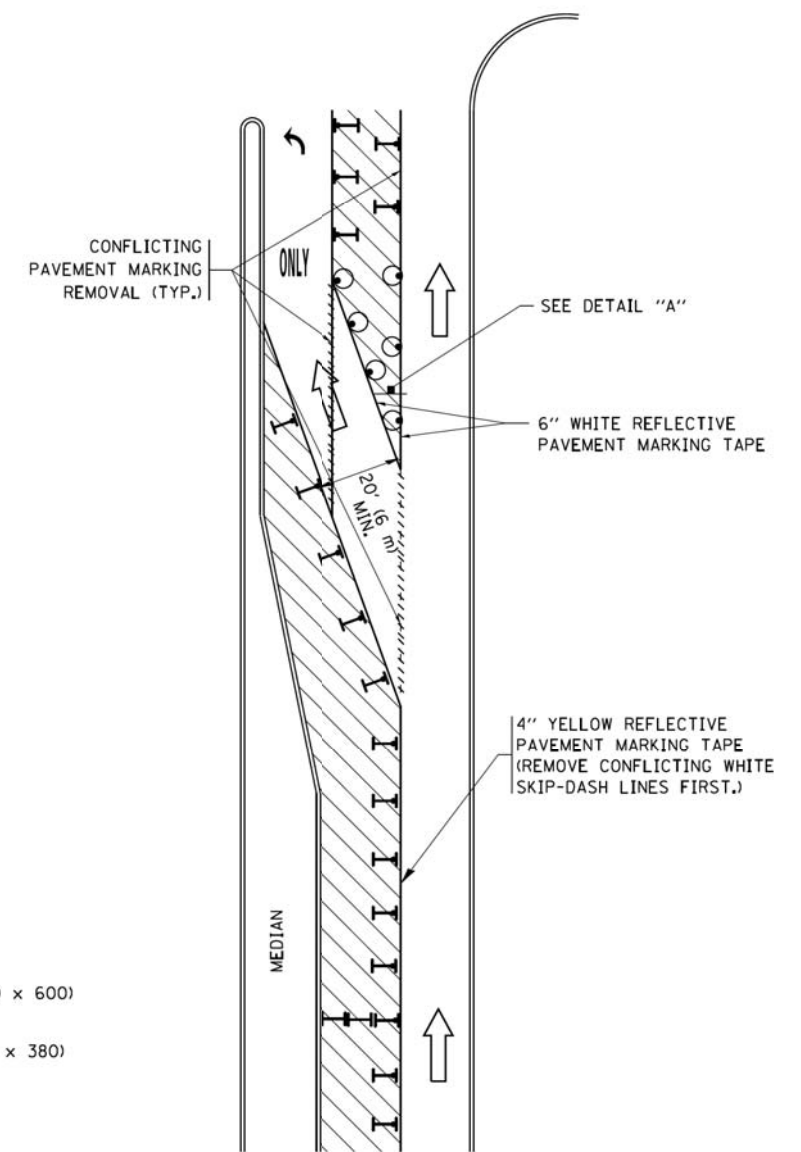









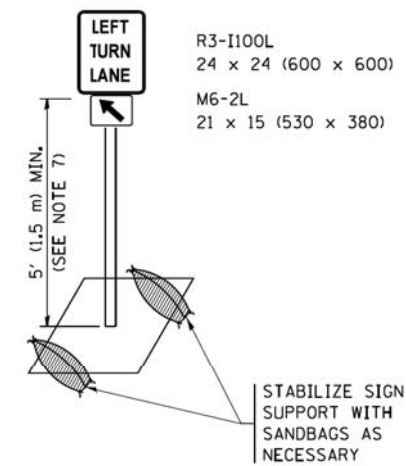
FIGURE 2

LEGEND

-  WORK AREA
-  LANE OPEN TO TRAFFIC
-  ARROW BOARD
-  TYPE I OR II BARRICADE OR DRUM WITH STEADY BURN LIGHT
-  DRUM WITH STEADY BURN LIGHT
-  SIGN ASSEMBLY
-  TYPE I OR II CHECK BARRICADE WITH FLASHING LIGHT

NOTES:

1. A) WHEN "L" IS \leq THE STORAGE LENGTH OF THE TURN LANE (AS SHOWN IN FIG. 1), USE FIGURE 1.
B) WHEN "L" IS $>$ THE STORAGE LENGTH OF THE TURN LANE OR THE TURN LANE IS WITHIN THE LANE CLOSURE, USE FIGURE 2.
2. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT.
3. LIGHTS WILL NOT BE REQUIRED ON BARRICADES OR DRUMS FOR DAY OPERATIONS. ALL LIGHTS SHALL BE MONODIRECTIONAL.
4. REFLECTIVE TEMPORARY PAVEMENT MARKINGS SHALL BE PLACED THROUGHOUT THE BARRICADED AREAS OF EACH TURN BAY AS SHOWN WHERE THE CLOSURE TIME IS GREATER THAN FOURTEEN (14) DAYS.
5. THIS APPLICATION ALSO APPLIES WHEN WORK IS BEING PERFORMED IN THE RIGHT LANE(S) AND THE RIGHT TURN BAY IS TO REMAIN OPEN. UNDER THIS CONDITION, "RIGHT TURN LANE" R3-I100R 24 x 24 (600 x 600) AND M6-2R 21 x 15 (530 x 380) SHALL BE USED.
6. THESE CONTROLS SHALL SUPPLEMENT MAINLINE TRAFFIC CONTROL FOR LANE CLOSURES.
7. THE SIGNS SHALL BE MOUNTED ABOVE THE BARRICADES/DRUMS ON SEPARATE SIGN SUPPORTS THAT MEET NCHRP 350 OR MASH PREQUIREMENTS.
8. TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.



DETAIL A

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

FILE NAME =	USER NAME = footenj	REVISED - T. RAMMACHER 09-08-94	REVISED - R. BORO 09-14-09	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC)			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
Default	Default	REVISED - A. HOUSEH 10-07-95	REVISED - A. SCHUETZE 07-01-13					1262	17-00103-00-PV	LAKE	93	74
	PLOT SCALE = 50,0000' / in.	REVISED - A. HOUSEH 10-12-96	REVISED - A. SCHUETZE 09-15-16		TC-14			CONTRACT NO. 61F47				
	PLOT DATE = 9/15/2016	REVISED - T. RAMMACHER 01-06-00	REVISED -		SCALE: NONE			SHEET 1 OF 1 SHEETS STA. TO STA.		ILLINOIS FED. AID PROJECT		

ROUTE MARKERS

FOR U.S. ROUTES
M1-40-2424

FOR ILLINOIS ROUTES
M1-50-2424

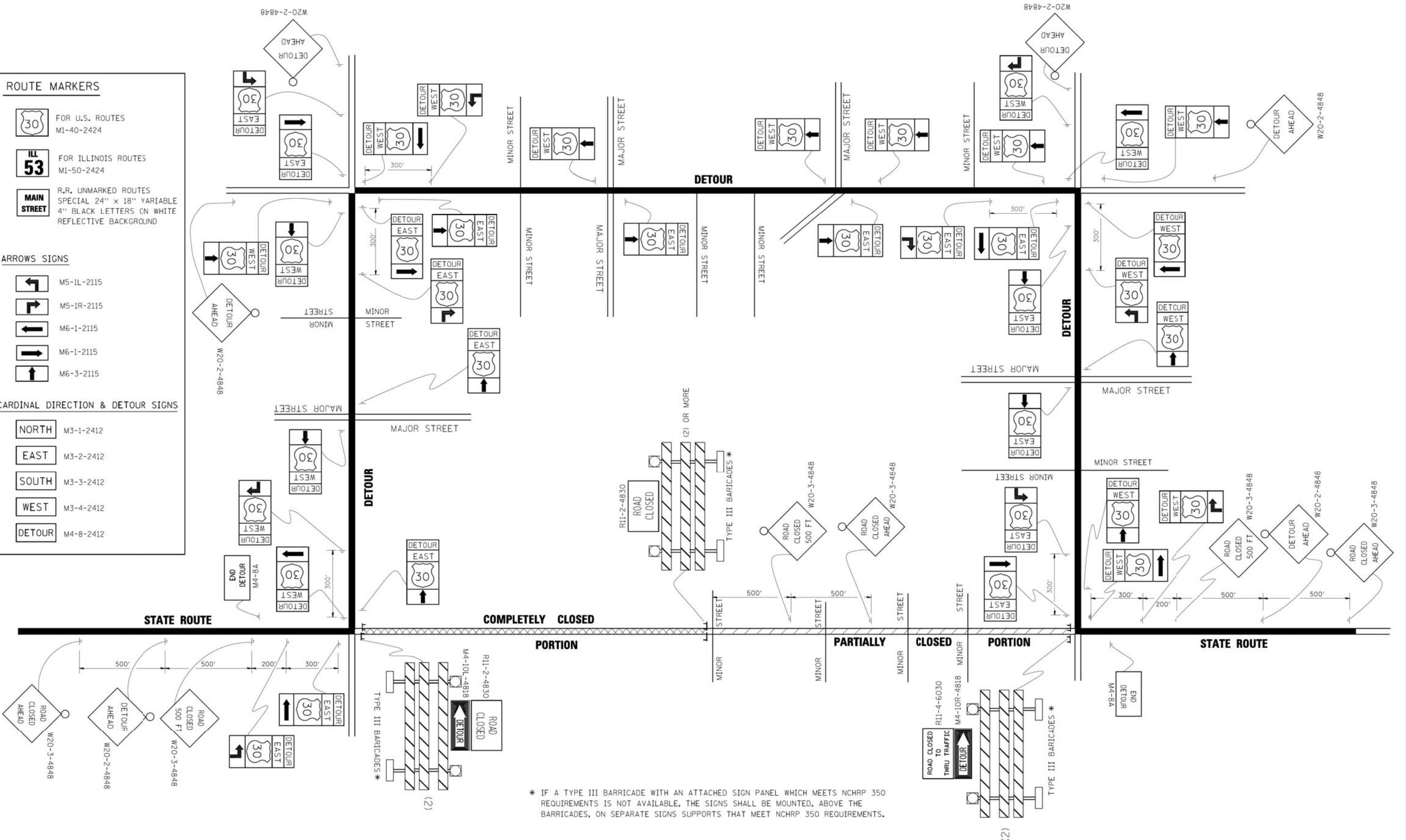
R,R, UNMARKED ROUTES
SPECIAL 24" x 18" VARIABLE
4" BLACK LETTERS ON WHITE
REFLECTIVE BACKGROUND

ARROWS SIGNS

- M5-1L-2115
- M5-1R-2115
- M6-1-2115
- M6-1-2115
- M6-3-2115

CARDINAL DIRECTION & DETOUR SIGNS

- NORTH M3-1-2412
- EAST M3-2-2412
- SOUTH M3-3-2412
- WEST M3-4-2412
- DETOUR M4-8-2412



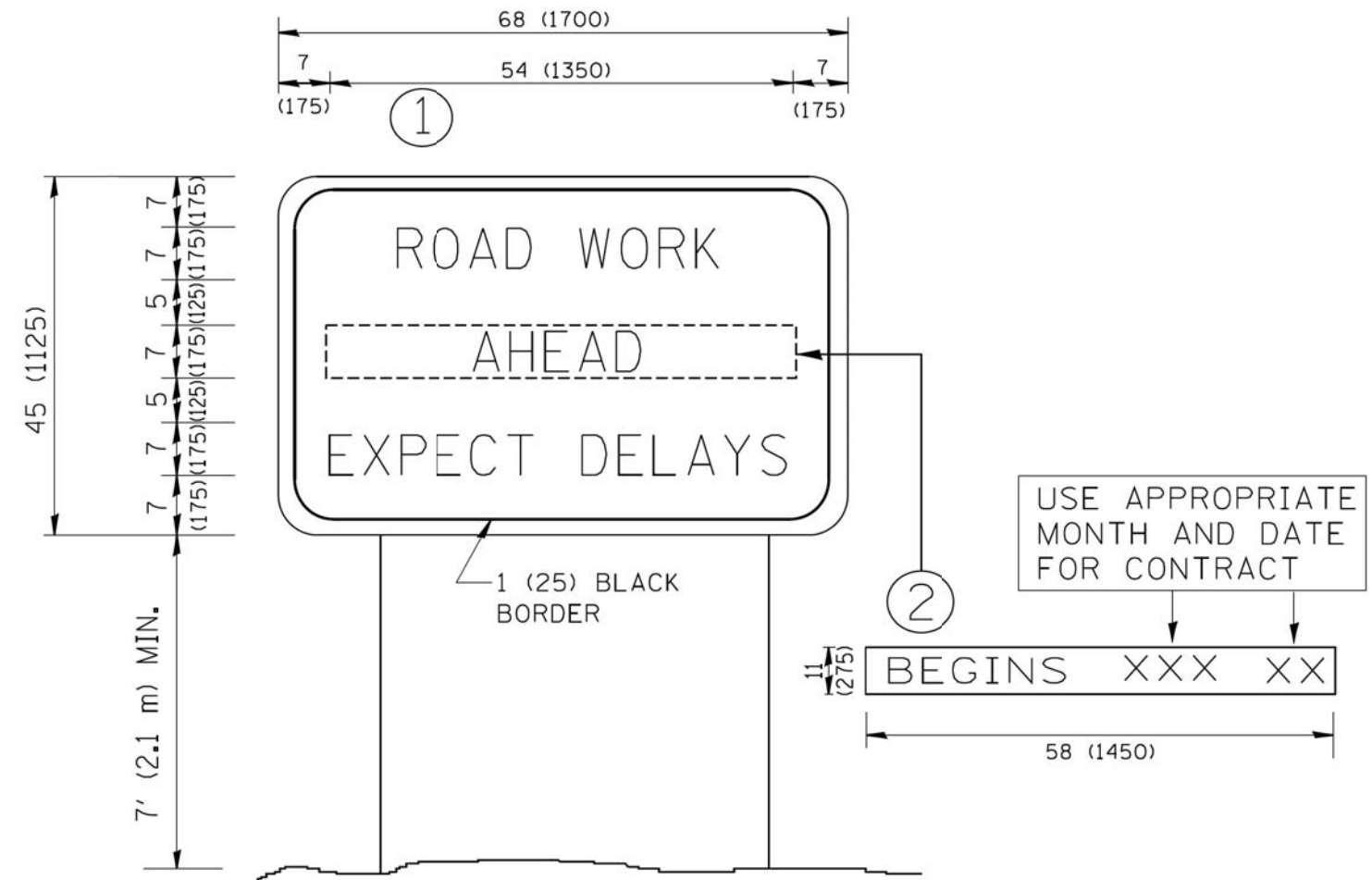
* IF A TYPE III BARRICADE WITH AN ATTACHED SIGN PANEL WHICH MEETS NCHRP 350 REQUIREMENTS IS NOT AVAILABLE, THE SIGNS SHALL BE MOUNTED, ABOVE THE BARRICADES, ON SEPARATE SIGNS SUPPORTS THAT MEET NCHRP 350 REQUIREMENTS.

FILE NAME = et:\pw\work\PWIDDT\DRIVAKOSGN\0108315\14	USER NAME = drivakosgn	DESIGNED - DRAWN -	REVISED - 10-18-02 REVISED - R, BORO 09-14-09
PLOT SCALE = 49,9999' / IN.	CHECKED -	REVISOR -	REVISOR -
PLOT DATE = 9/14/2009	DATE -	REVISOR -	REVISOR -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DETOUR SIGNING FOR CLOSING STATE HIGHWAYS	
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS
STA.	TO STA.

F.A.U. RTE. 1262	SECTION 17-00103-00-PV	COUNTY LAKE	TOTAL SHEETS 93	SHEET NO. 76
TC-21		CONTRACT NO. 61F47		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



NOTES:

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

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

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

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ARTERIAL ROAD
INFORMATION SIGN**

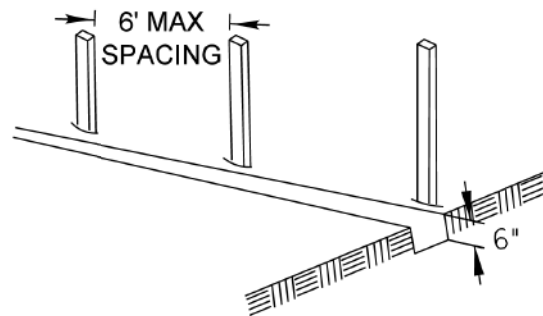
SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1262	17-00103-00-PV	LAKE	93	77
TC-22			CONTRACT NO. 61F47	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

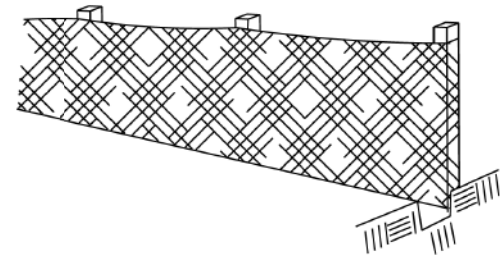
PLAN	DATE
BY	
REVISIONS	
NO.	
DATE	
BY	
REVISIONS	
NO.	
DATE	
BY	
REVISIONS	
NO.	
DATE	
BY	
REVISIONS	
NO.	
DATE	

PROFILE	DATE
BY	
REVISIONS	
NO.	
DATE	
BY	
REVISIONS	
NO.	
DATE	
BY	
REVISIONS	
NO.	
DATE	

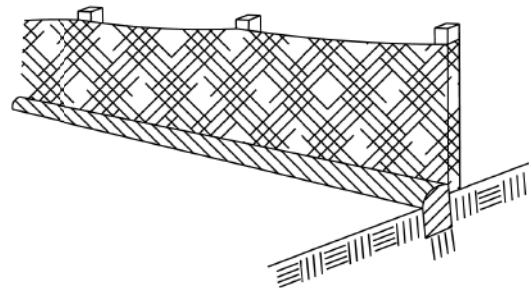
1. SET POSTS AND EXCAVATE OR SLIT-TRENCH A 6-INCH DEEP TRENCH UPSLOPE ALONG THE LINE OF POSTS



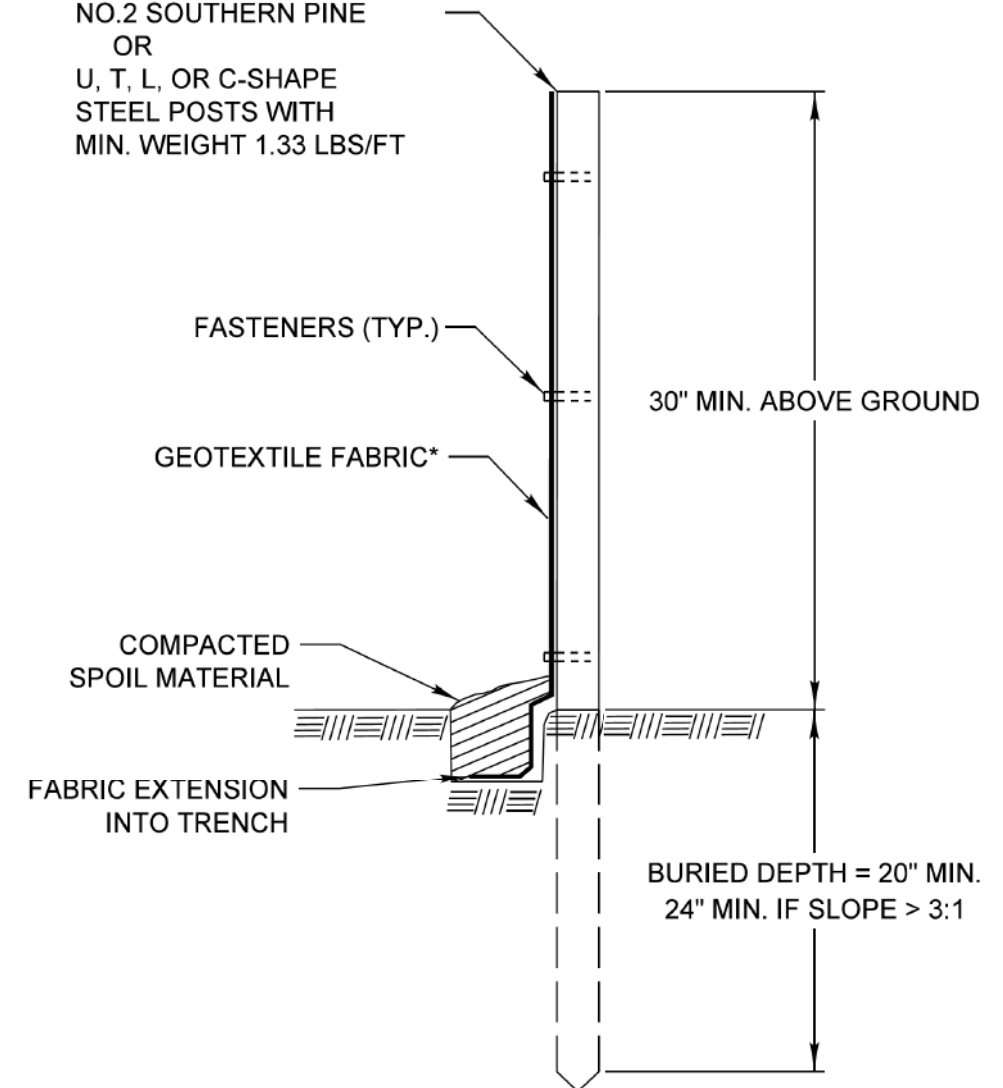
2. ATTACH GEOTEXTILE FILTER FABRIC TO EACH POST WITH A MINIMUM OF 3 (THREE) FASTENERS PER POST AND EXTEND FABRIC TO THE BOTTOM OF THE TRENCH



3. BACKFILL AND COMPACT THE EXCAVATED MATERIALS



POSTS - CHOICE OF:
 1.2" X 1.2" NOMINAL
 HARDWOOD POSTS
 2.6" X 2.6" NOMINAL
 NO.2 SOUTHERN PINE
 OR
 U, T, L, OR C-SHAPE
 STEEL POSTS WITH
 MIN. WEIGHT 1.33 LBS/FT



* NOTE: OPTIONAL WIRE SUPPORT
 - MIN. 30" HEIGHT
 - MIN. 14 GAUGE WIRE
 - MIN. 6 HORIZ. WIRES
 - MIN. 6" VERTICAL SPACING

SCALE 1" = 1'

Requirements	Test Methods	Wire Backed Supported Silt Fence ^a	Unsupported Silt Fence	
			Geotextile Elongation >=50% ^b	Geotextile Elongation <50% ^b
Maximum Post Spacing		4 feet	4 feet	6 feet
Grab Strength	ASTM D 4632			
Machine direction		90 lbs	124 lbs	124 lbs
X-Machine direction		90 lbs	100 lbs	100lbs
Permittivity ^c	ASTM D 4491	0.05 sec ⁻¹	0.05 sec ⁻¹	0.05 sec ⁻¹
Apparent Opening Size	ASTM D 4751	0.024in maximum average roll value		
Ultraviolet stability (retained strength)	ASTM D 4355	70% after 500 hours of exposure		

REVISIONS	DATE
ORIG. by LCSCMC	4/21/08
Update Text	7/15/11



APPROVED BY: M. G. ZEMAITIS
 DATE: JUNE 20, 2008

PERIMETER EROSION BARRIER INSTALLATION

LC2051

MODEL: SH06LNAME5
 FILE NAME: ...118 - Detail3276_DET.dgn



Two Pierce Place, Suite 1400
 Itasca, Illinois 60143
 Tel: 630.773.3900 Fax: 630.773.3975
 www.civiltechinc.com

DESIGNED - JRR	REVISED -
DRAWN - TGB	REVISED -
CHECKED - KRK	REVISED -
DATE - 1/03/2019	REVISED -

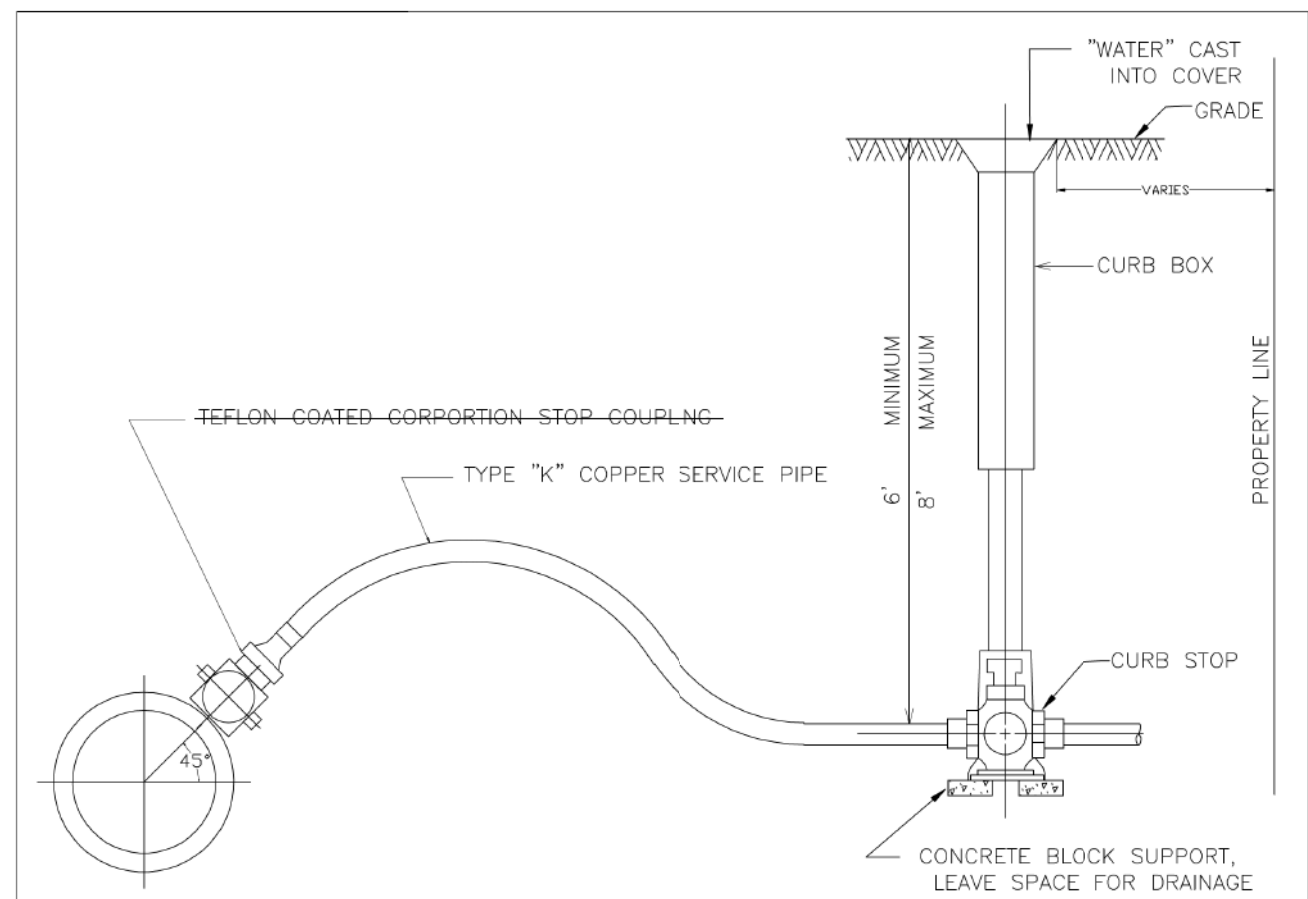
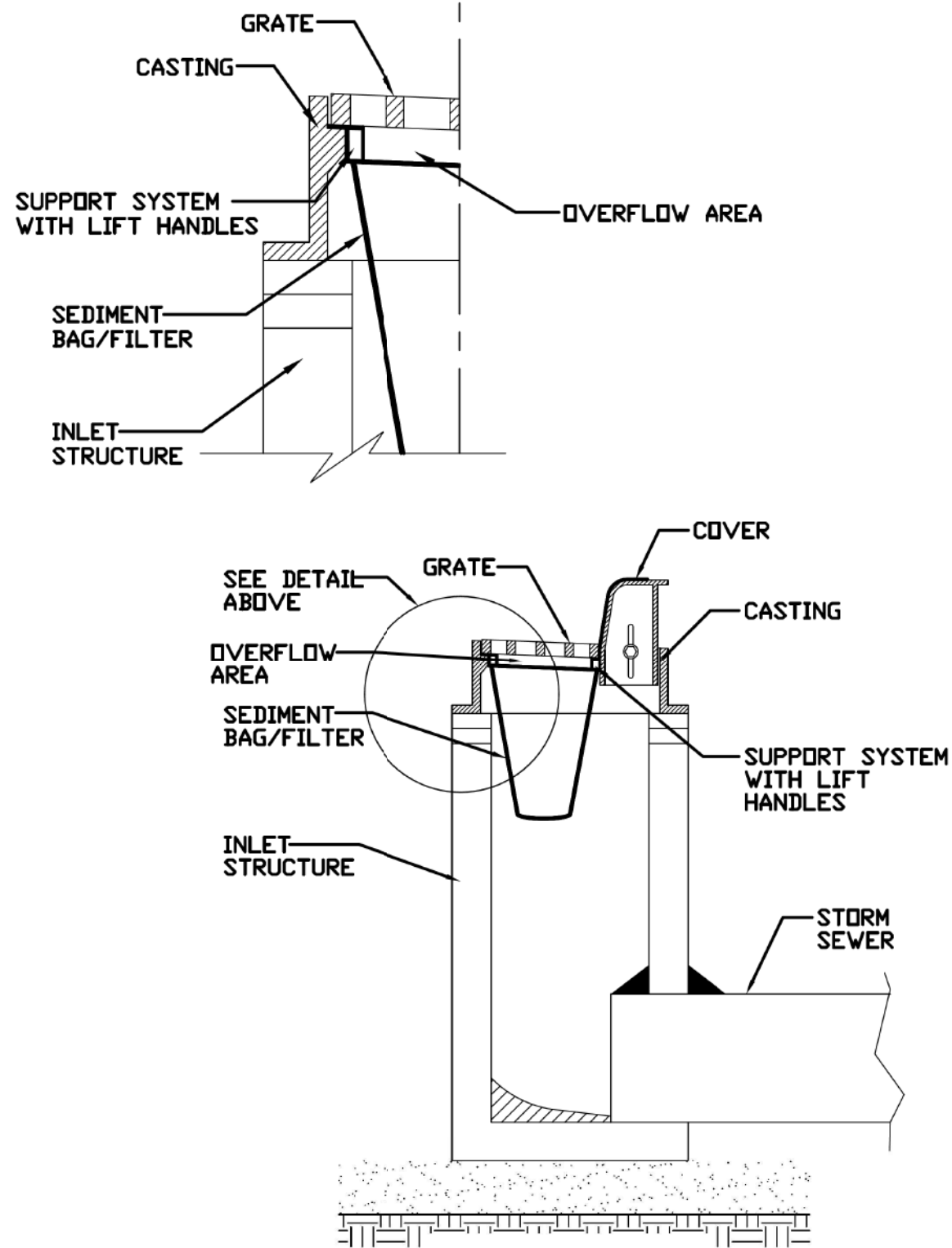
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

CONSTRUCTION DETAILS

SHEET 1 OF 7 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1262	17-00103-00-PV	LAKE	93	78
CONTRACT NO. 61F47				
ILLINOIS FED. AID PROJECT				

INLET PROTECTION - PAVED AREAS DROP-IN PROTECTION



- A. CURB BOX:** FOR 1", 1-1/2", 2" WATER SERVICES
- MUELLER H-10302 WITH 1-1/2" I.D. UPPER SECTION AND A 2" MINNEAPOLIS TAPPED BASE.
 - TYLER 95E
- B. CORPORATION STOP:**
- MUELLER B25000 PLUS H-15068 QUARTER BEND FLARED COUPLING.
 - FORD 1" IS FB600-4 PLUS L02 SWIVEL QUARTER BEND FLARED COUPLING
1 1/2" IS FB600-6 PLUS L02 SWIVEL QUARTER BEND FLARED COUPLING
2" IS FB600-7 PLUS L02 SWIVEL QUARTER BEND FLARED COUPLING.
 - 1" SERVICE MAY BE DIRECTLY TAPPED INTO THE MAIN
- FOR EXISTING WATERMAINS**
- 1-1/2" TO 2" SERVICES REQUIRES CASCADE CRT-1 OR JCM REPAIR CLAMP TAP-THROUGH SLEEVE MUST BE USED.
- FOR NEW CONSTRUCTION**
- WHERE 1 1/2"-2" TAPS ARE REQUIRED A DOUBLE STRAP BRONZE SADDLE MUST BE USED FOR THE TAP. MUELLER H16126-H16137 OR FORD 202B-540 TAP SIZE

- NOTE:**
- PIPE SIZE CAN VARY, BUT 1" MINIMUM. OTHER APPURTENANCES SHALL REFLECT SAME.
 - COPPER PIPE SHALL BE ONE PIECE BETWEEN TAP AND CURB BOX.
 - CURB BOX SHALL BE 3' FROM PROPERTY LINE WITHIN CUL-DE-SACS.
 - MINIMUM OF 3' BETWEEN TAPS AND 3' TO NEAREST JOINT.
- C. CURB STOP:**
- MUELLER B-25154 (1", 1 1/2", 2").
 - FORD 1" IS B22-444M; *CURB STOP WILL REQUIRE 2"x1 1/2" BUSHING
1 1/2" IS B22-666M
2" IS B22-777M.

NOT TO SCALE
**COPPER
WATER SERVICE
CONNECTION
DETAIL**

REVISED 05-25-05

PLAN	SURVIVED	DATE
	PLOTTED	
	GRADES CHECKED	
	STRUCTURE NOTATION CHECKED	
	NO. _____	

PROFILE	SURVIVED	DATE
	PLOTTED	
	GRADES CHECKED	
	STRUCTURE NOTATION CHECKED	
	NO. _____	

REFERENCE	Project _____
	Designed _____ Date _____
	Checked _____ Date _____
	Approved _____ Date _____



STANDARD DWG. NO.
IUM-561D
SHEET 1 OF 1
DATE 01-11-11



Two Pierce Place, Suite 1400
Itasca, Illinois 60143
Tel: 630.773.3900 Fax: 630.773.3975
www.civiltechinc.com

DESIGNED	-	JRR	REVISED	-
DRAWN	-	TGB	REVISED	-
CHECKED	-	KRK	REVISED	-
DATE	-	1/03/2019	REVISED	-

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CONSTRUCTION DETAILS

SHEET 2 OF 7 SHEETS STA. TO STA.

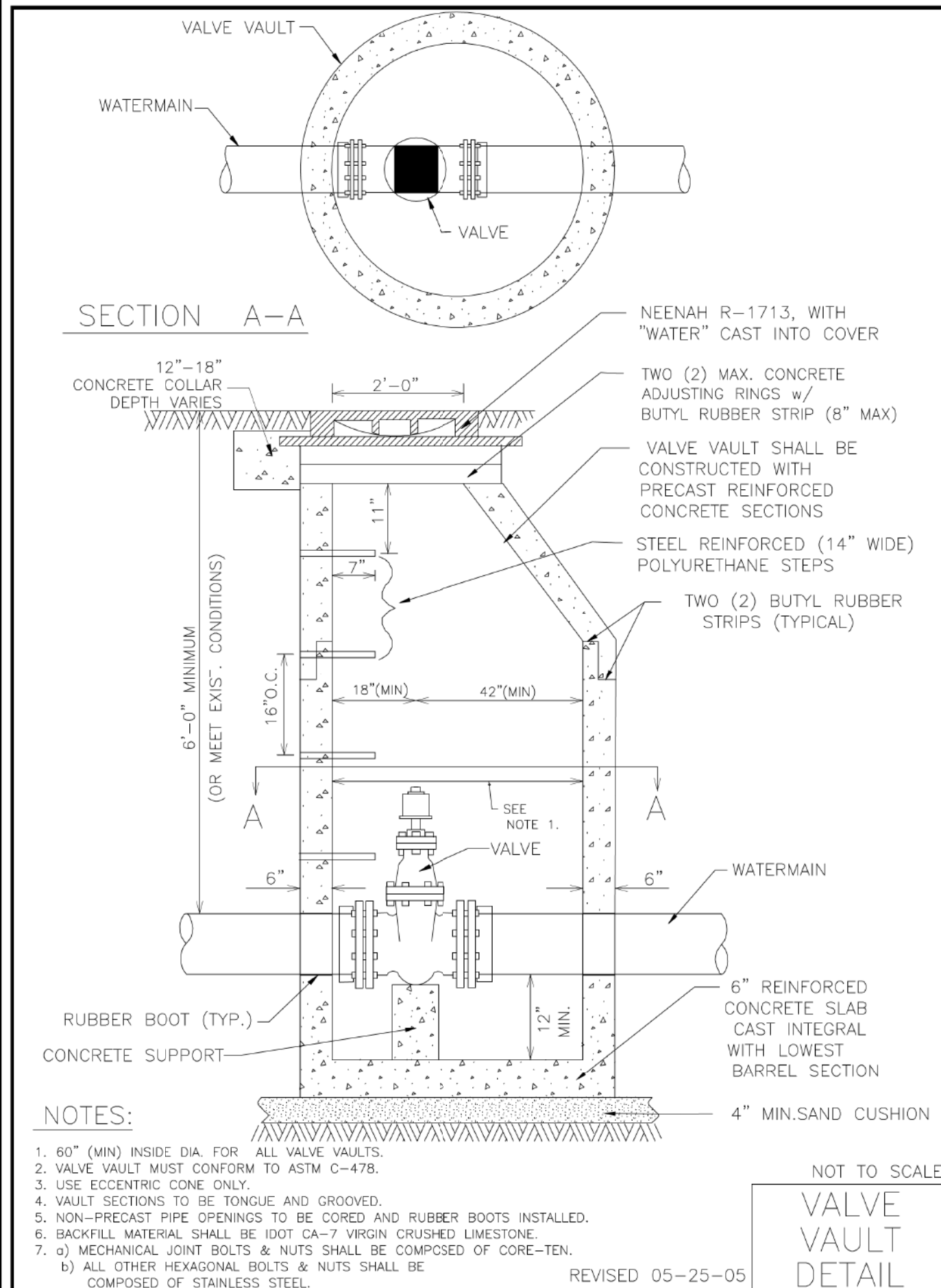
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1262	17-00103-00-PV	LAKE	93	79
CONTRACT NO. 61F47				
ILLINOIS FED. AID PROJECT				

MODEL: SH06LNAME5
FILE NAME: ...118 - Detail03276_DET.dgn

DATE	
BY	
REVISIONS	
NO.	
DATE	
BY	
REVISIONS	
NO.	
DATE	
BY	
REVISIONS	
NO.	

DATE	
BY	
REVISIONS	
NO.	
DATE	
BY	
REVISIONS	
NO.	
DATE	
BY	
REVISIONS	
NO.	

MODEL: SH06LNAME\$
FILE NAME: .115 - Detail3276_DET.dgn



NOTES:

1. 60" (MIN) INSIDE DIA. FOR ALL VALVE VAULTS.
2. VALVE VAULT MUST CONFORM TO ASTM C-478.
3. USE ECCENTRIC CONE ONLY.
4. VAULT SECTIONS TO BE TONGUE AND GROOVED.
5. NON-PRECAST PIPE OPENINGS TO BE CORED AND RUBBER BOOTS INSTALLED.
6. BACKFILL MATERIAL SHALL BE IDOT CA-7 VIRGIN CRUSHED LIMESTONE.
7. a) MECHANICAL JOINT BOLTS & NUTS SHALL BE COMPOSED OF CORE-TEN.
b) ALL OTHER HEXAGONAL BOLTS & NUTS SHALL BE COMPOSED OF STAINLESS STEEL.

NOT TO SCALE

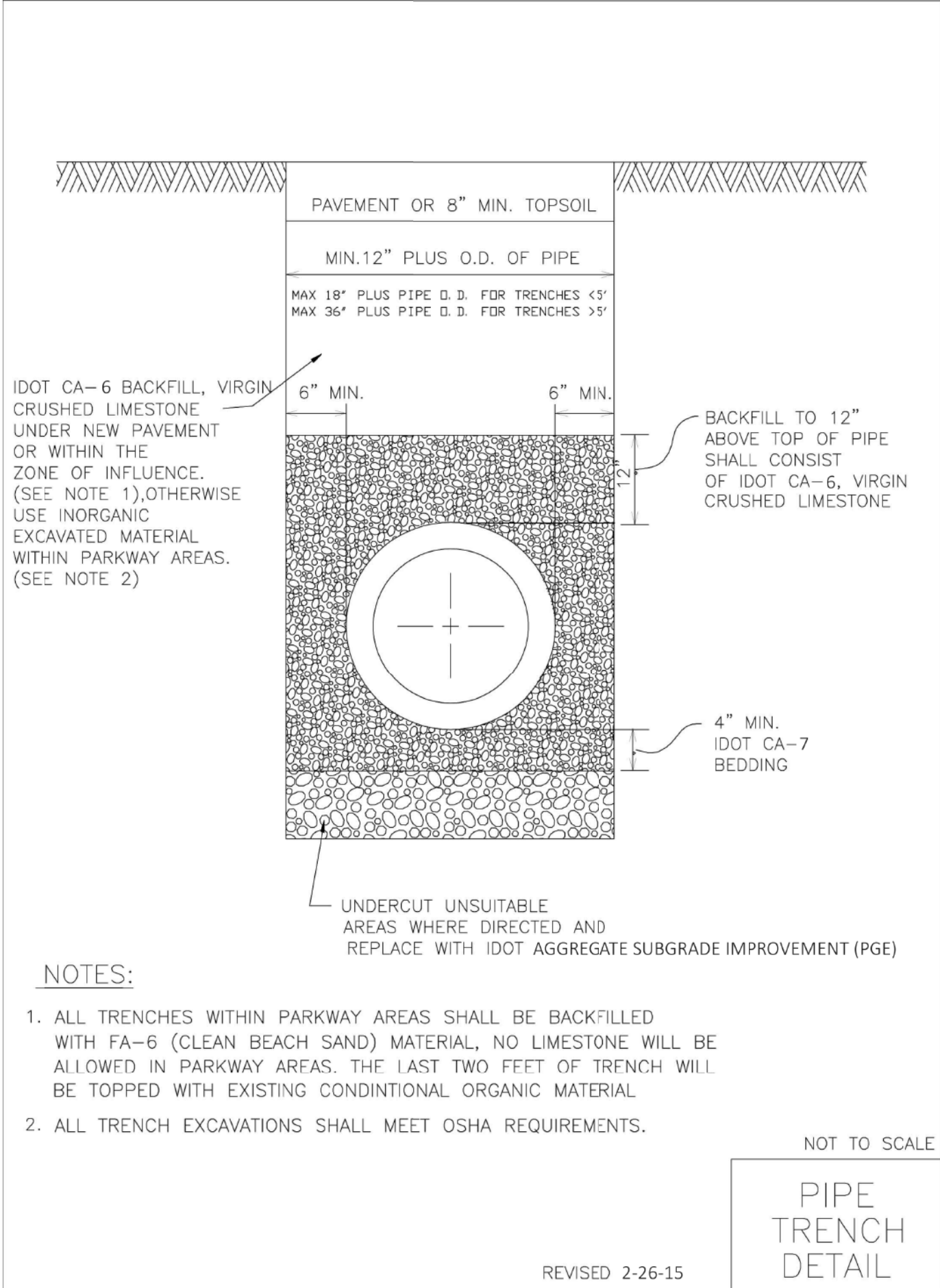
VALVE VAULT DETAIL

REVISED 05-25-05

CIVILTECH
Two Pierce Place, Suite 1400
Itasca, Illinois 60143
Tel: 630.773.3900 Fax: 630.773.3975
www.civiltechinc.com

DESIGNED -	JRR	REVISED -	
DRAWN -	TGB	REVISED -	
CHECKED -	KRK	REVISED -	
DATE -	1/03/2019	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



NOTES:

1. ALL TRENCHES WITHIN PARKWAY AREAS SHALL BE BACKFILLED WITH FA-6 (CLEAN BEACH SAND) MATERIAL, NO LIMESTONE WILL BE ALLOWED IN PARKWAY AREAS. THE LAST TWO FEET OF TRENCH WILL BE TOPPED WITH EXISTING CONDITIONAL ORGANIC MATERIAL
2. ALL TRENCH EXCAVATIONS SHALL MEET OSHA REQUIREMENTS.

NOT TO SCALE

PIPE TRENCH DETAIL

REVISED 2-26-15

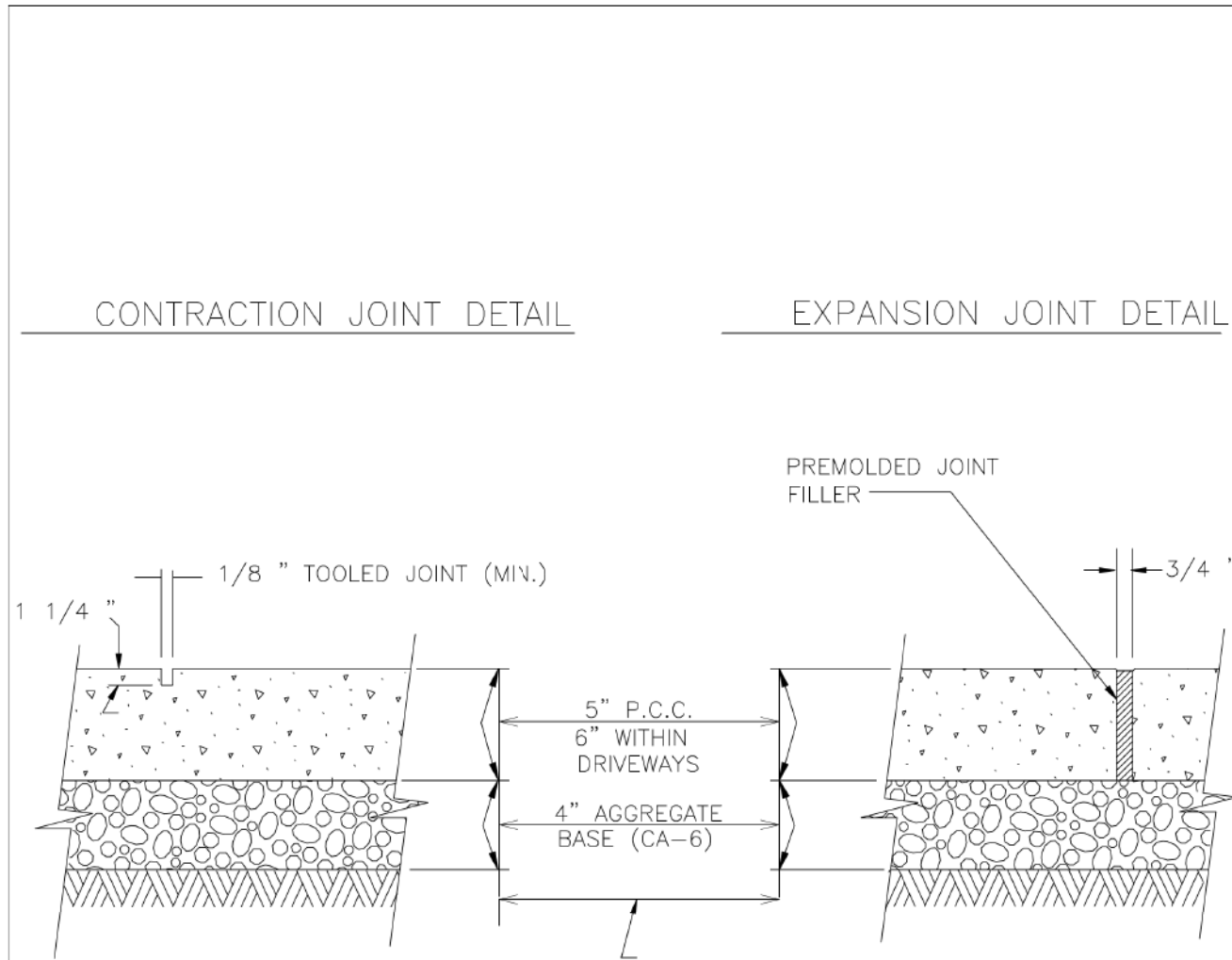
CONSTRUCTION DETAILS

SHEET 4 OF 7 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1262	17-00103-00-PV	LAKE	93	81
CONTRACT NO. 61F47				
ILLINOIS FED. AID PROJECT				

DATE	
BY	
REVISIONS	
NO.	
DATE	
BY	
REVISIONS	
NO.	
DATE	
BY	
REVISIONS	
NO.	
DATE	
BY	
REVISIONS	
NO.	
DATE	
BY	
REVISIONS	
NO.	

DATE	
BY	
REVISIONS	
NO.	
DATE	
BY	
REVISIONS	
NO.	
DATE	
BY	
REVISIONS	
NO.	
DATE	
BY	
REVISIONS	
NO.	
DATE	
BY	
REVISIONS	
NO.	



COMPACTED SUBGRADE OR TRENCH BACKFILL

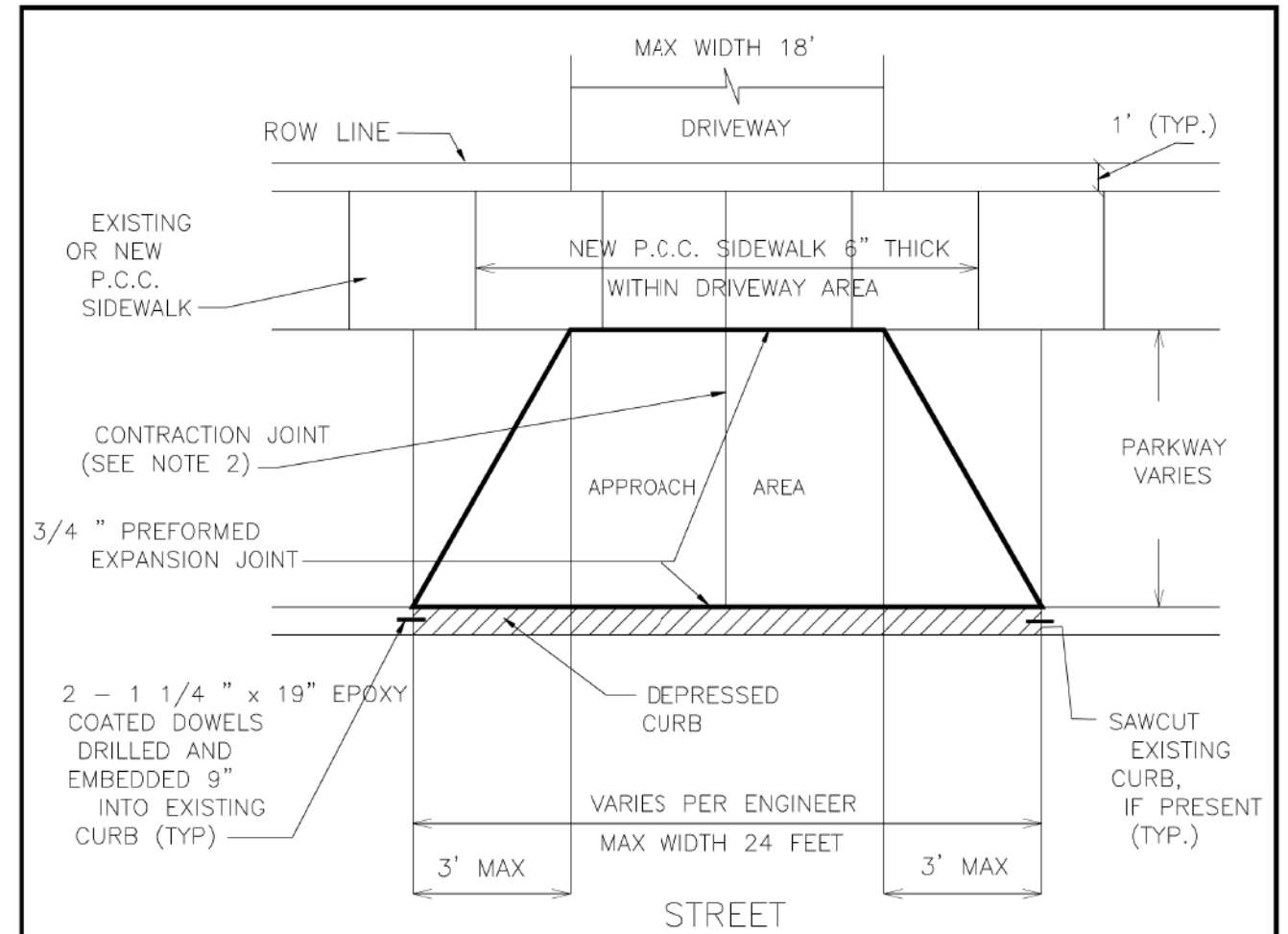
NOTES:

- UNLESS OTHERWISE NOTED ON PLANS, CONTRACTION JOINTS TO BE AT 5'-0" O.C.
- EXPANSION JOINTS TO BE 50'-0" O.C. MAX. OR AT BACK OF CURB, CHANGE OF DIRECTION, OTHER WALK, UTILITY APPURTENANCE, OR FACE OF STRUCTURE.
- PORTLAND CEMENT CONCRETE SHALL CONFORM TO IDOT CLASS SI, MIN. 3,500 PSI (6.1 BAG MIX) AT 14 DAYS, WITH 5% TO 8% AIR ENTRAINMENT. (NO FLY ASH ALLOWED)

NOT TO SCALE

CONCRETE WALK JOINT DETAILS

REVISED 11-04-04



NOTES:

- FOR P.C.C. DRIVEWAY OVER AN UNDERGROUND UTILITY TRENCH, PLACE 6X6 - W2.9XW2.9 WELD AND WIRE FABRIC AT MID-DEPTH OF THE CONCRETE.
- FOR CONCRETE APPROACH WIDER THAN 16', A CONTRACTION JOINT SHALL BE LOCATED ALONG THE CENTERLINE.
- P.C.C. CONCRETE DRIVEWAYS:
APPROACH- 6" (MIN) PORTLAND CEMENT CONCRETE AND 4" (MIN) IDOT CA-6 CRUSHED STONE
DRIVEWAY- 6" (MIN) PORTLAND CEMENT CONCRETE AND 4" (MIN) IDOT CA-6 CRUSHED STONE
- BITUMINOUS DRIVEWAYS:
APPROACH- 6" (MIN) IDOT CA-6 CRUSHED STONE AND 3" (MIN) BITUMINOUS CONCRETE
DRIVEWAY- 4" (MIN) IDOT CA-6 CRUSHED STONE AND 3" (MIN) BITUMINOUS CONCRETE
- BRICK PAVERS OR OTHER ARCHITECTURAL PAVING MATERIALS ARE NOT ALLOWED IN A DRIVEWAY APPROACH AREA WITHOUT A BUILDING PERMIT AND WRITTEN PERMISSION -INCLUDING A HOLD HARMLESS AGREEMENT- FROM THE BUILDING DEPARTMENT
- MAINTAIN FULL SIDEWALK WIDTH THROUGH DRIVEWAYS UNLESS DIRECTED OTHERWISE BY VILLAGE ENGINEER. CURBING SHALL NOT RUN THROUGH SIDEWALK AREAS IN DRIVEWAYS.

NOT TO SCALE

DRIVEWAY DETAIL

REVISED 08-19-04

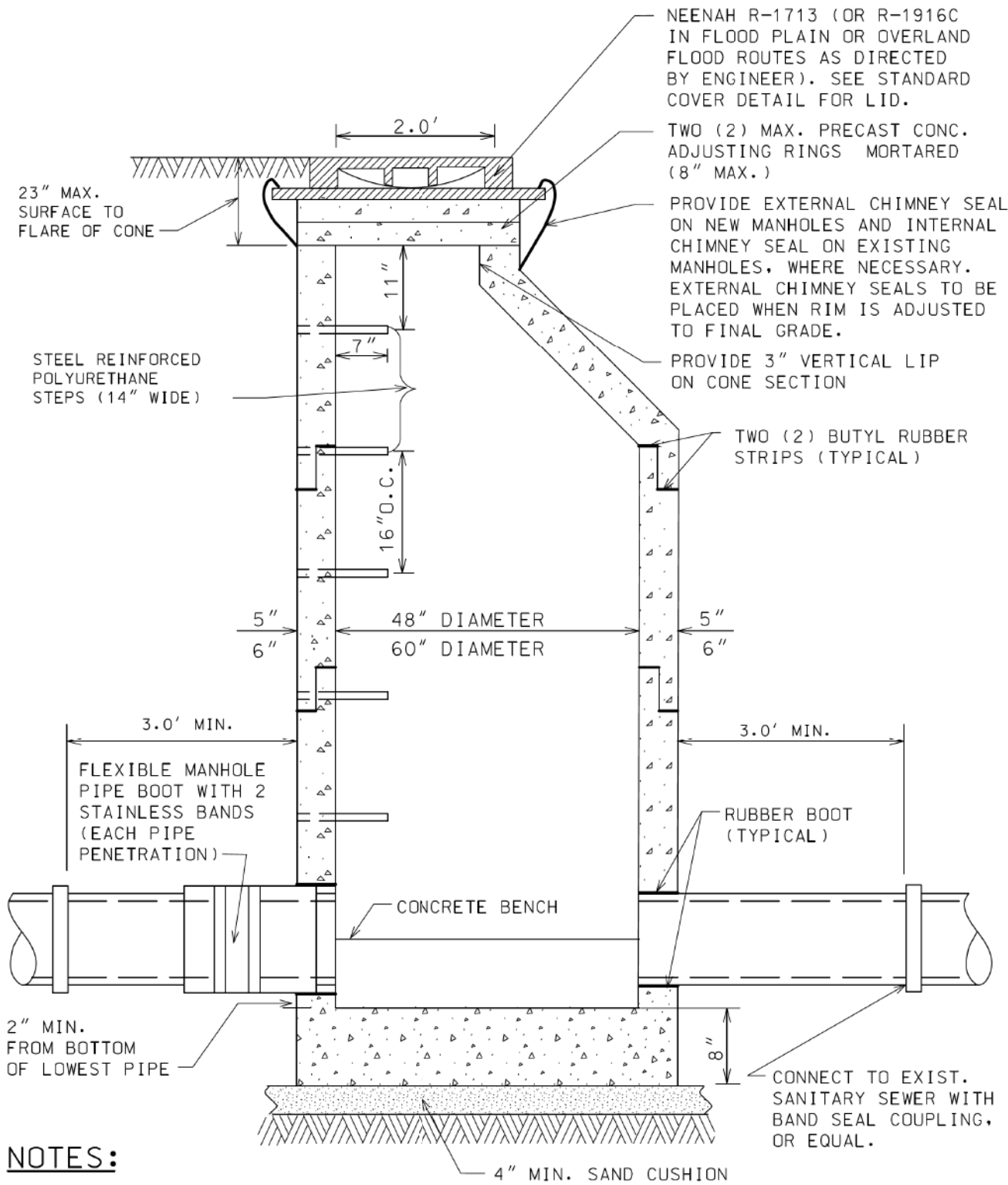
MODEL: SH06LNAME5
FILE NAME: .119 - Detail03276_DET.dgn

DESIGNED -	JRR	REVISED -	
DRAWN -	TGB	REVISED -	
CHECKED -	KRK	REVISED -	
DATE -	1/03/2019	REVISED -	

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1262	17-00103-00-PV	LAKE	93	83
CONTRACT NO. 61F47				
ILLINOIS FED. AID PROJECT				

DATE	
BY	
REVISIONS	
NO.	
DATE	
BY	
REVISIONS	
NO.	
DATE	
BY	
REVISIONS	
NO.	
DATE	
BY	
REVISIONS	
NO.	

DATE	
BY	
REVISIONS	
NO.	
DATE	
BY	
REVISIONS	
NO.	
DATE	
BY	
REVISIONS	
NO.	



NOTES:

1. MANHOLES MUST CONFORM TO ASTM C-478.
2. MANHOLE SECTIONS TO BE TONGUE AND GROOVED.
3. BENCHES MUST BE PROVIDED IN ALL SANITARY SEWER MANHOLES
4. USE EXTERNAL LIFTING "HOLES" ONLY, BUT NOT FULL PENETRATION.
5. NON-PRECAST OPENINGS SHALL BE CORED AND RUBBER BOOTED.
6. PIPE PENETRATIONS TO BE RUBBER BOOTED AND INTERIOR MORTARED.
7. USE ECCENTRIC CONE ONLY.
8. PRIOR TO THE PLACEMENT OF FINAL LAYER OF ROADWAY, FRAMES AND ADJUSTING RINGS LOCATED WITHIN PAVED AREAS SHALL BE SET IN AN IDOT APPROVED CONCRETE "SI" MIXTURE.

NOT TO SCALE

SANITARY MANHOLE DETAIL

DATE: 7-27-10

MODEL: SH06LNAME5
FILE NAME: .118 - Detail03276_DET.dgn



Two Pierce Place, Suite 1400
Itasca, Illinois 60143
Tel: 630.773.3900 Fax: 630.773.3975
www.civiltechinc.com

DESIGNED -	JRR	REVISED -	
DRAWN -	TGB	REVISED -	
CHECKED -	KRK	REVISED -	
DATE -	1/03/2019	REVISED -	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

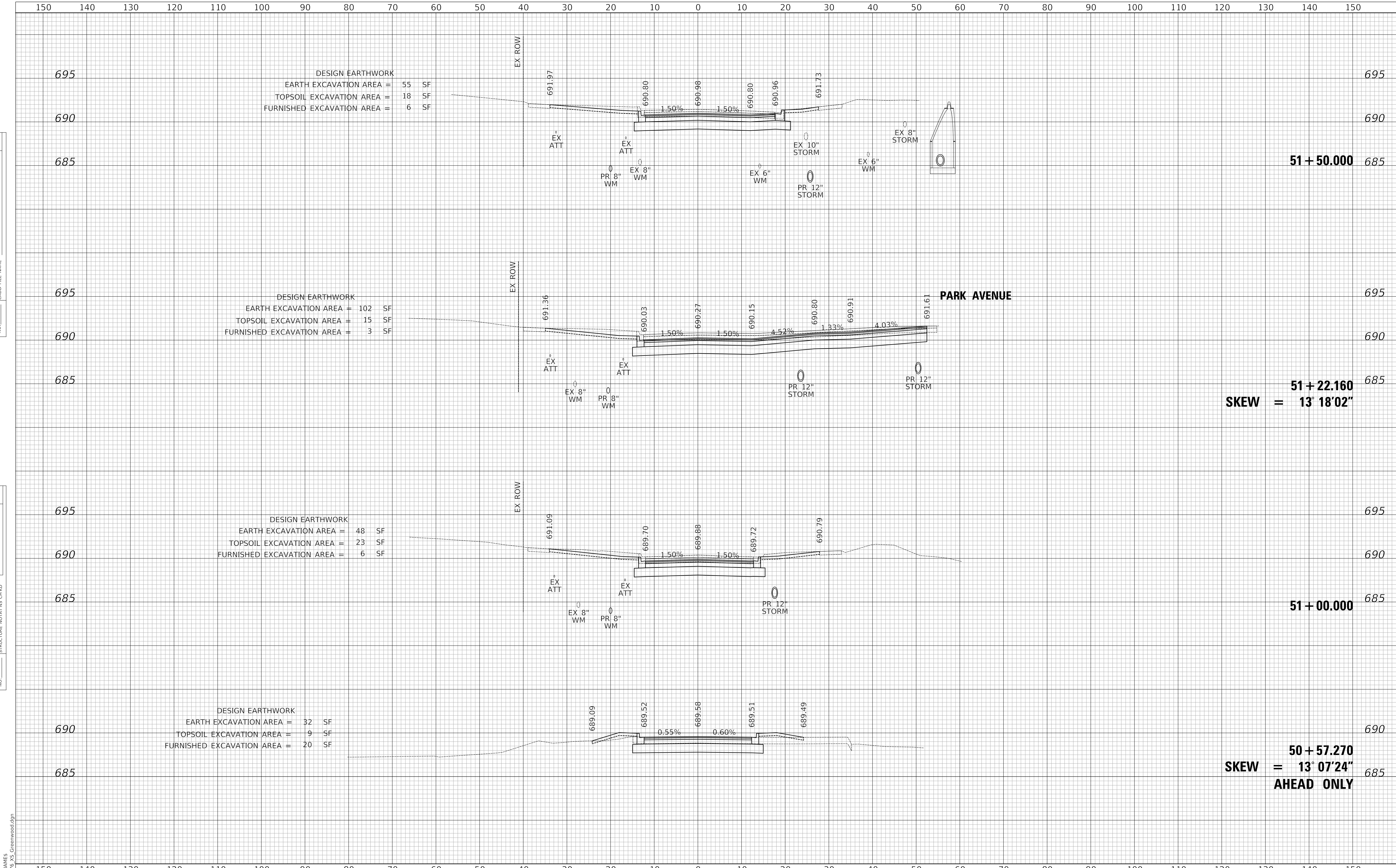
CONSTRUCTION DETAILS

SHEET 7 OF 7 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1262	17-00103-00-PV	LAKE	93	84
CONTRACT NO. 61F47				
ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	DATE
	PLOTTED	BY
NOTE BOOK NO.	ALIGNMENT CHECKED	
	CADD FILE NAME	

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

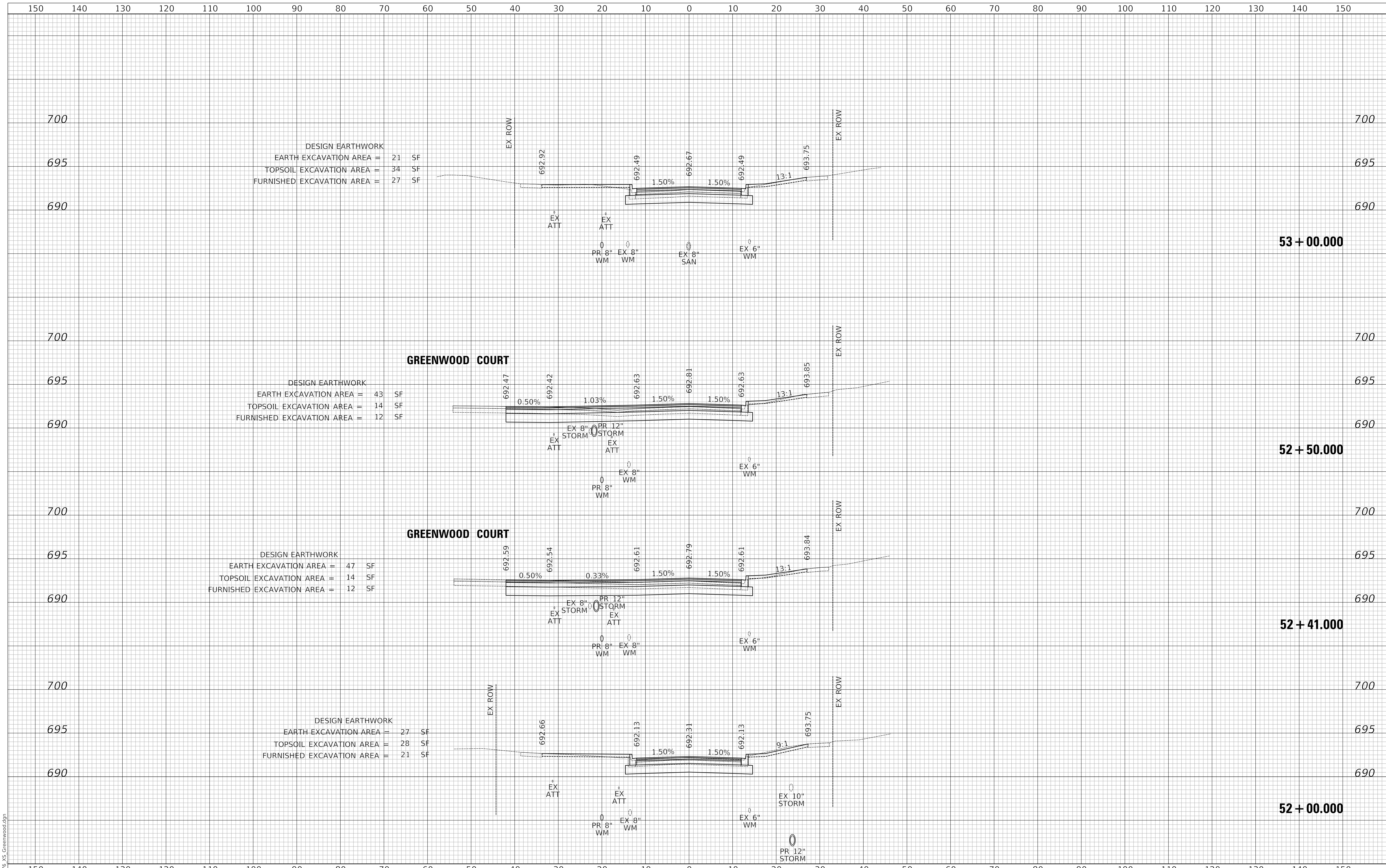


SKEW = 13° 18' 02"

**50 + 57.270
SKEW = 13° 07' 24"
AHEAD ONLY**

PLAN	SURVEYED	DATE
	PLOTTED	BY
	ALIGNMENT CHECKED	
	CADD FILE NAME	
	NO.	

PROFILE	SURVEYED	DATE
	GRADES CHECKED	BY
	STRUCTURE NOTATION	
	NO.	



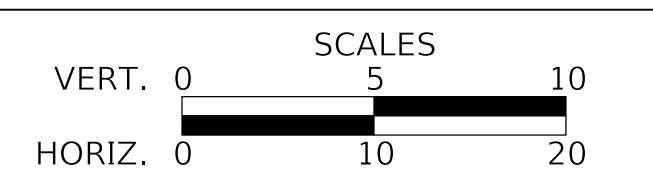
MODEL: SH06DELIMAMES
FILE NAME: ...13276 XS Greenwood.dgn



Two Pierce Place, Suite 1400
Itasca, Illinois 60143
Tel: 630.773.3900 Fax: 630.773.3975
www.civiltechinc.com

DESIGNED -	JRR	REVISED -	
DRAWN -	TGB	REVISED -	
CHECKED -	KRK	REVISED -	
DATE -	1/03/2019	REVISED -	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**



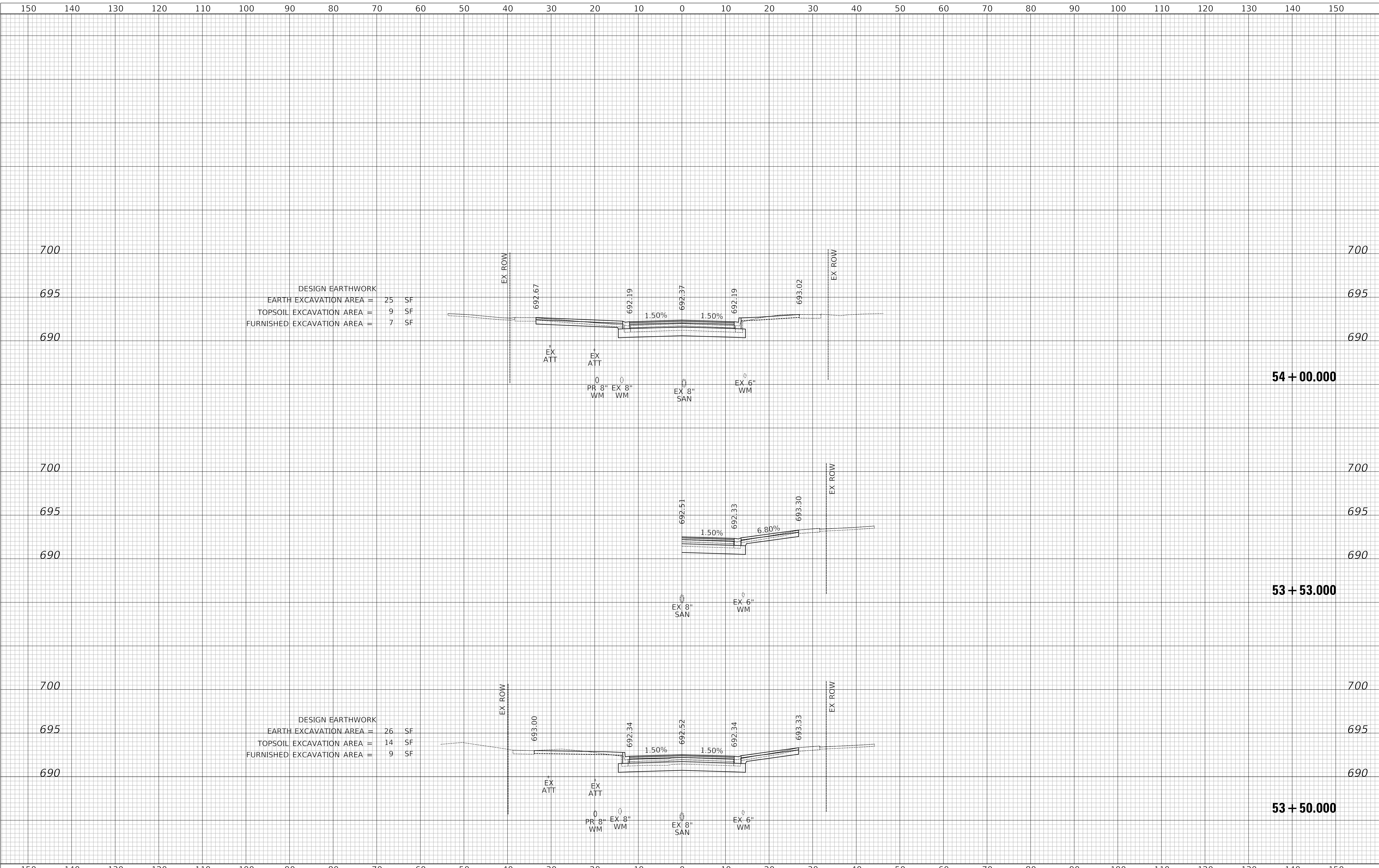
CROSS SECTIONS
SHEET 2 OF 9 SHEETS STA. 52+00.000 TO STA. 53+00.000

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1262	17-00103-00-PV	LAKE	93	86
				CONTRACT NO. 61F47
				ILLINOIS FED. AID PROJECT

PLAN	SURVEYED	DATE
	PLOTTED	BY
	ALIGNMENT CHECKED	
	GRADE CHECKED	
	CADD FILE NAME	
	NO.	

PROFILE	SURVEYED	DATE
	PLOTTED	BY
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	NO.	

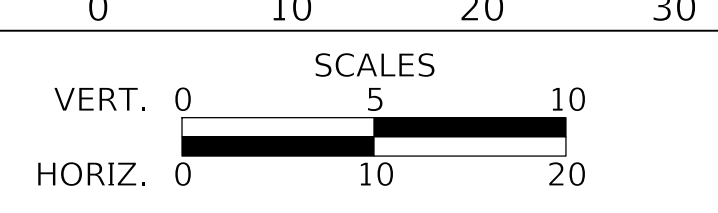
MODEL: SH02DELINAMES
FILE NAME: ...13276 XS Greenwood.dgn



CIVILTECH
 Two Pierce Place, Suite 1400
 Itasca, Illinois 60143
 Tel: 630.773.3900 Fax: 630.773.3975
 www.civiltechinc.com

DESIGNED -	JRR	REVISED -
DRAWN -	TGB	REVISED -
CHECKED -	KRK	REVISED -
DATE -	1/03/2019	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



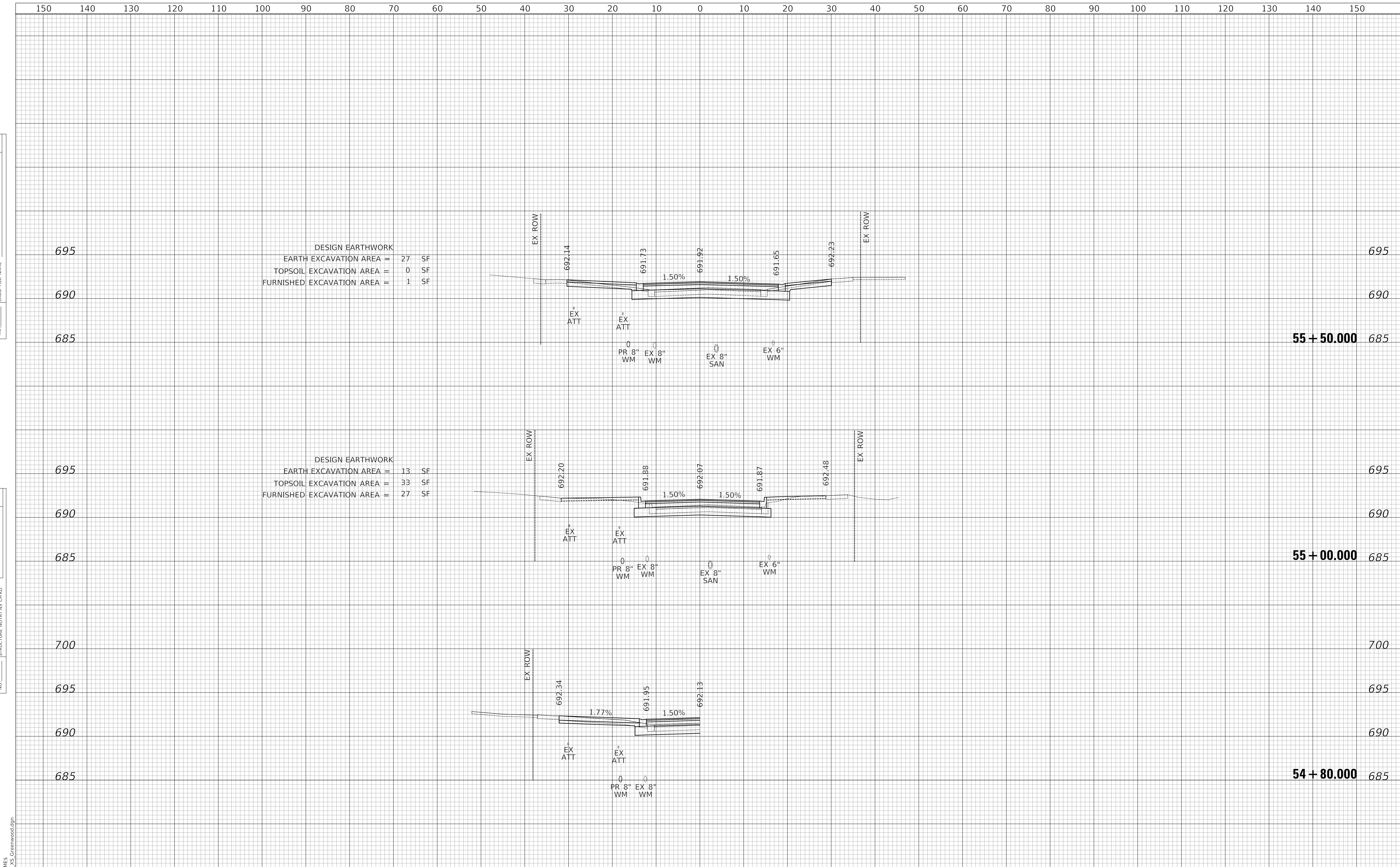
CROSS SECTIONS

SHEET 3 OF 9 SHEETS STA. 53+50.00 TO STA. 54+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1262	17-00103-00-PV	LAKE	93	87
				CONTRACT NO. 61F47
				ILLINOIS FED. AID PROJECT

PLAN	SURVEYED	DATE
	PLOTTED	BY
	ALIGNMENT CHECKED	
	GRADE CHECKED	
	CADD FILE NAME	
	NO.	

PROFILE	SURVEYED	DATE
	PLOTTED	BY
	GRADES CHECKED	
	STRUCTURE NOTATION CHECKED	
	NO.	



DESIGN EARTHWORK
 EARTH EXCAVATION AREA = 27 SF
 TOPSOIL EXCAVATION AREA = 0 SF
 FURNISHED EXCAVATION AREA = 1 SF

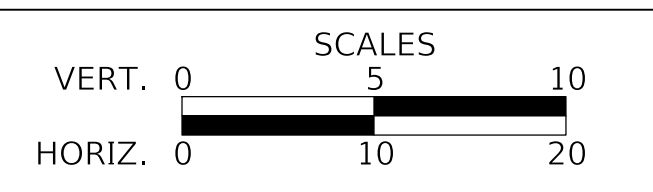
DESIGN EARTHWORK
 EARTH EXCAVATION AREA = 13 SF
 TOPSOIL EXCAVATION AREA = 33 SF
 FURNISHED EXCAVATION AREA = 27 SF



Two Pierce Place, Suite 1400
 Itasca, Illinois 60143
 Tel: 630.773.3900 Fax: 630.773.3975
 www.civiltechinc.com

DESIGNED	-	JRR	REVISED	-
DRAWN	-	TGB	REVISED	-
CHECKED	-	KRK	REVISED	-
DATE	-	1/03/2019	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



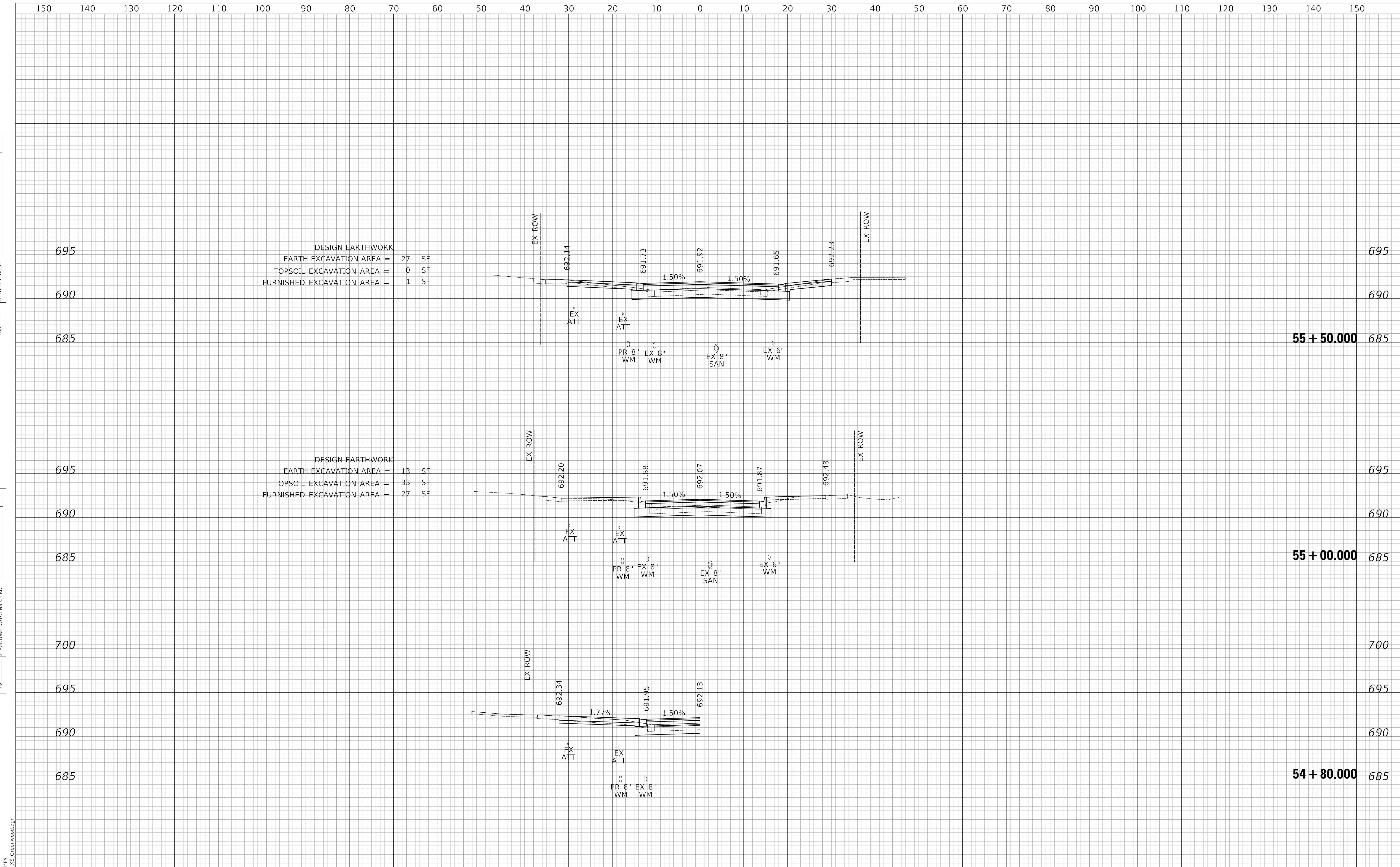
CROSS SECTIONS
 SHEET 5 OF 9 SHEETS STA. 54+80.00 TO STA. 55+50.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1262	17-00103-00-PV	LAKE	93	89
				CONTRACT NO. 61F47
				ILLINOIS FED. AID PROJECT

MODEL: SH06DELINAMES
 FILE NAME: ...13276 XS Greenwood.dgn

PLAN	SURVEYED	DATE
	PLOTTED	BY
	ALIGNMENT CHECKED	
	GRADE CHECKED	
	CADD FILE NAME	
	NO.	

PROFILE	SURVEYED	DATE
	PLOTTED	BY
	GRADES CHECKED	
	STRUCTURE NOTATION CHECKED	
	NO.	



DESIGN EARTHWORK
 EARTH EXCAVATION AREA = 27 SF
 TOPSOIL EXCAVATION AREA = 0 SF
 FURNISHED EXCAVATION AREA = 1 SF

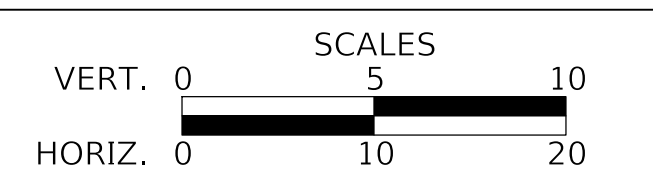
DESIGN EARTHWORK
 EARTH EXCAVATION AREA = 13 SF
 TOPSOIL EXCAVATION AREA = 33 SF
 FURNISHED EXCAVATION AREA = 27 SF



Two Pierce Place, Suite 1400
 Itasca, Illinois 60143
 Tel: 630.773.3900 Fax: 630.773.3975
 www.civiltechinc.com

DESIGNED	-	JRR	REVISED	-
DRAWN	-	TGB	REVISED	-
CHECKED	-	KRK	REVISED	-
DATE	-	1/03/2019	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



CROSS SECTIONS
 SHEET 5 OF 9 SHEETS STA. 54+80.00 TO STA. 55+50.00

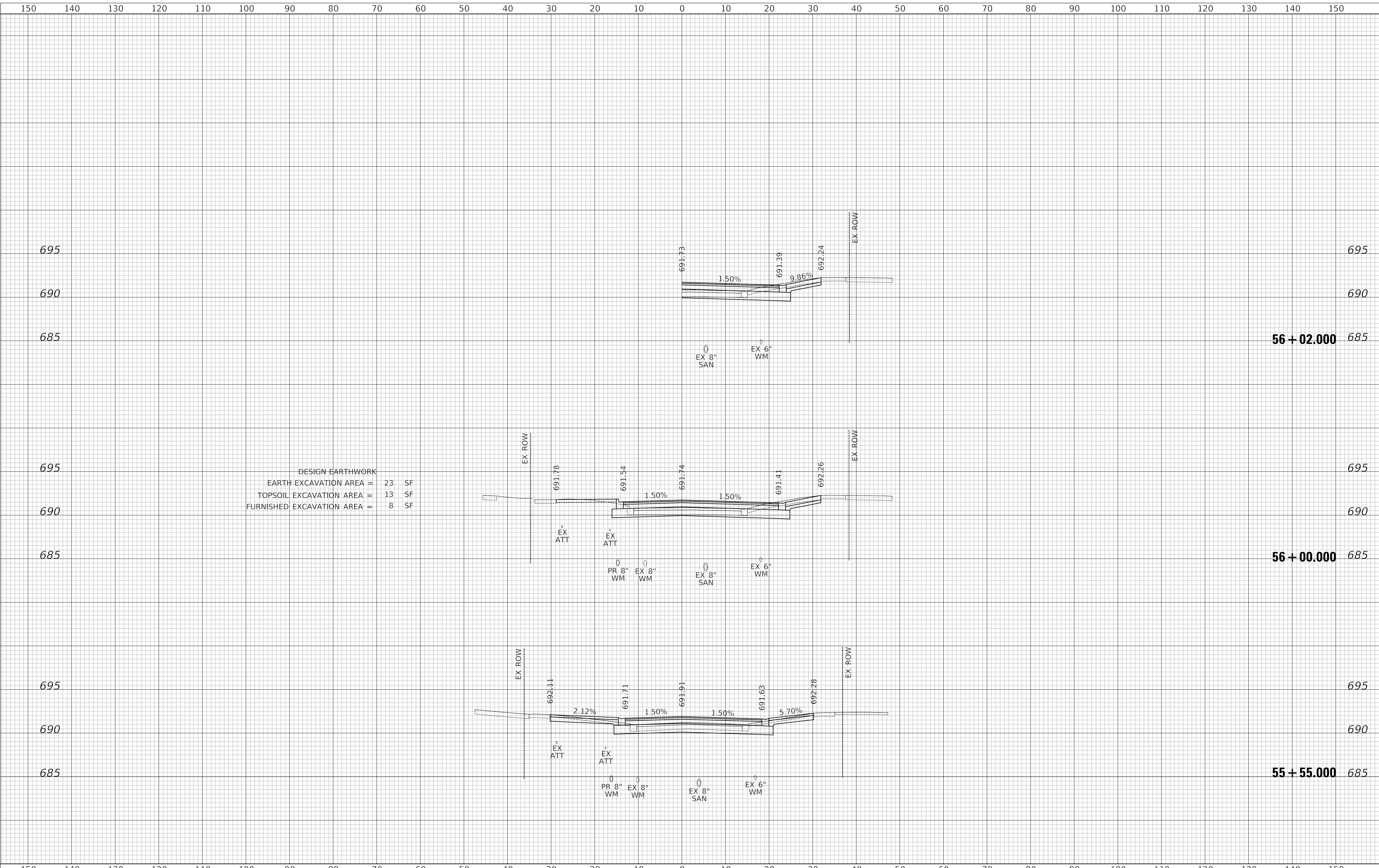
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1262	17-00103-00-PV	LAKE	93	89
				CONTRACT NO. 61F47
				ILLINOIS FED. AID PROJECT

MODEL: SH06DELINAMES
 FILE NAME: ...13276 XS Greenwood.dgn

PLAN	SURVEYED	DATE
	PLOTTED	BY
	ALIGNMENT CHECKED	
	GRADE CHECKED	
	CADD FILE NAME	
	NO.	

PROFILE	SURVEYED	DATE
	PLOTTED	BY
	GRADES CHECKED	
	STRUCTURE NOTATION CHECKED	
	NO.	

MODEL: SH06DELINAMES
FILE NAME: ...13276_X5_Greenwood.dgn

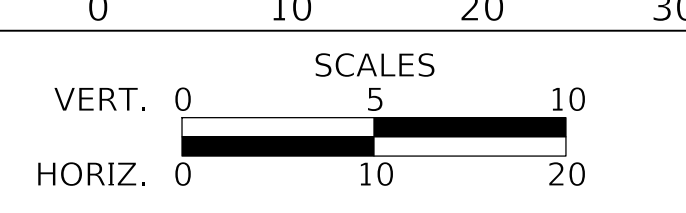


DESIGN EARTHWORK
 EARTH EXCAVATION AREA = 23 SF
 TOPSOIL EXCAVATION AREA = 13 SF
 FURNISHED EXCAVATION AREA = 8 SF

CIVILTECH
 Two Pierce Place, Suite 1400
 Itasca, Illinois 60143
 Tel: 630.773.3900 Fax: 630.773.3975
 www.civiltechinc.com

DESIGNED -	JRR	REVISED -	
DRAWN -	TGB	REVISED -	
CHECKED -	KRK	REVISED -	
DATE -	1/03/2019	REVISED -	

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**



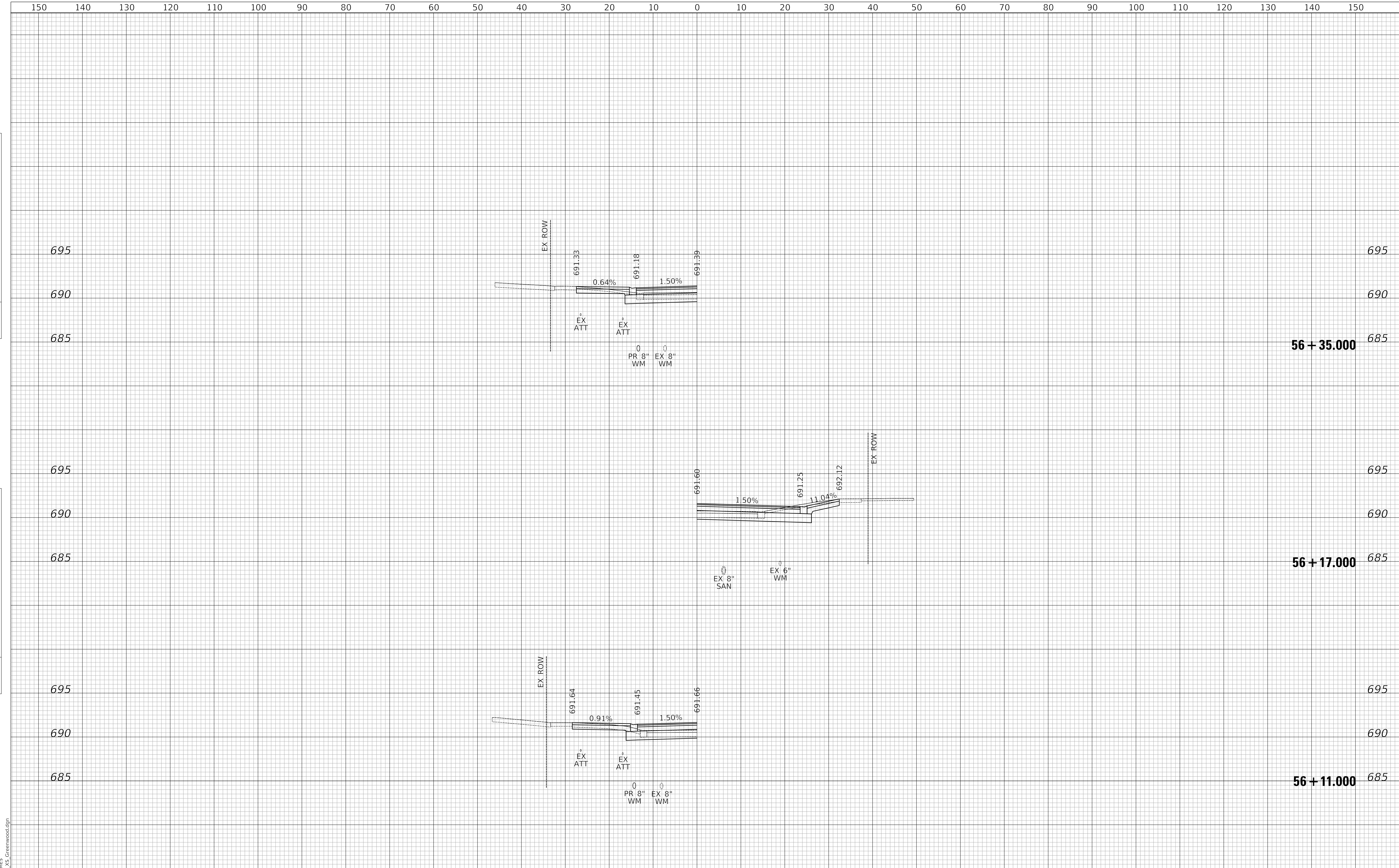
CROSS SECTIONS

SHEET 6 OF 9 SHEETS STA. 55+55.000 TO STA. 56+02.000

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1262	17-00103-00-PV	LAKE	93	90
				CONTRACT NO. 61F47
				ILLINOIS FED. AID PROJECT

PLAN	SURVEYED	DATE
	PLOTTED	BY
	GRADES CHECKED	
	ALIGNMENT CHECKED	
	CADD FILE NAME	
	NO.	

PROFILE	SURVEYED	DATE
	PLOTTED	BY
	GRADES CHECKED	
	STRUCTURE NOTATION	
	NO.	



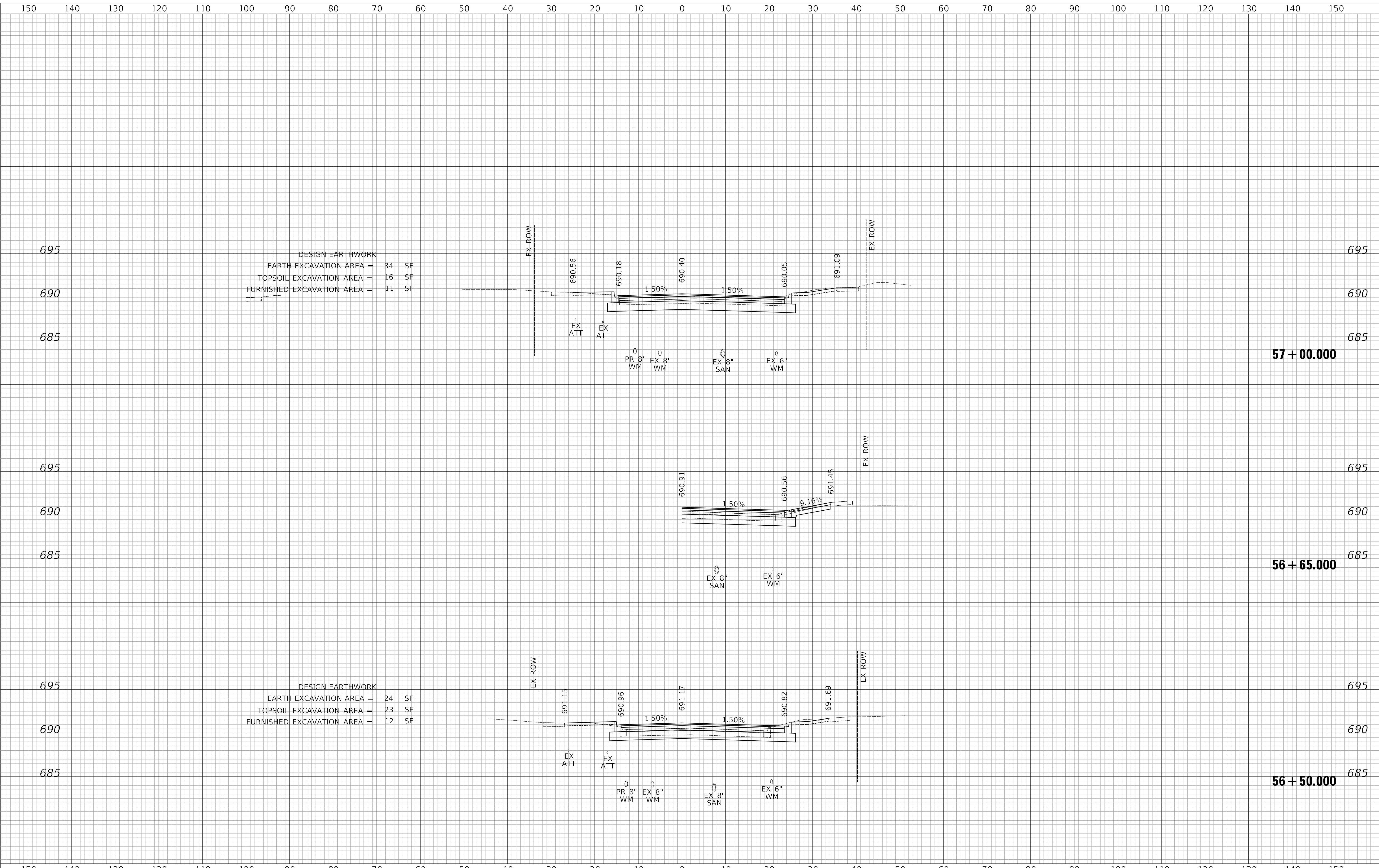
<p>Two Pierce Place, Suite 1400 Itasca, Illinois 60143 Tel: 630.773.3900 Fax: 630.773.3975 www.civiltechinc.com</p>	DESIGNED - JRR DRAWN - TGB CHECKED - KRK DATE - 1/03/2019	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	VERT. 0 5 10 HORIZ. 0 10 20	CROSS SECTIONS	SHEET 7 OF 9 SHEETS	STA. 56+11.000 TO STA. 56+35.000	F.A.U. RTE. 1262	SECTION 17-00103-00-PV	COUNTY LAKE	TOTAL SHEETS 93	SHEET NO. 91
						CONTRACT NO. 61F47		ILLINOIS FED. AID PROJECT				

MODEL: SH06DELINAMES
 FILE NAME: ...13276 XS Greenwood.dgn

PLAN	SURVEYED	DATE
	PLOTTED	BY
	ALIGNMENT CHECKED	
	GRADE CHECKED	
	CADD FILE NAME	
	NO.	

PROFILE	SURVEYED	DATE
	PLOTTED	BY
	GRADES CHECKED	
	STRUCTURE NOTATION CHECKED	
	NO.	

MODEL: SH06DELINAMES
FILE NAME: ...13276 XS Greenwood.dgn



DESIGN EARTHWORK
EARTH EXCAVATION AREA = 34 SF
TOPSOIL EXCAVATION AREA = 16 SF
FURNISHED EXCAVATION AREA = 11 SF

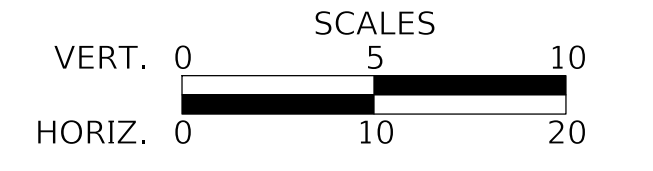
DESIGN EARTHWORK
EARTH EXCAVATION AREA = 24 SF
TOPSOIL EXCAVATION AREA = 23 SF
FURNISHED EXCAVATION AREA = 12 SF



Two Pierce Place, Suite 1400
Itasca, Illinois 60143
Tel: 630.773.3900 Fax: 630.773.3975
www.civiltechinc.com

DESIGNED -	JRR	REVISED -
DRAWN -	TGB	REVISED -
CHECKED -	KRK	REVISED -
DATE -	1/03/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**



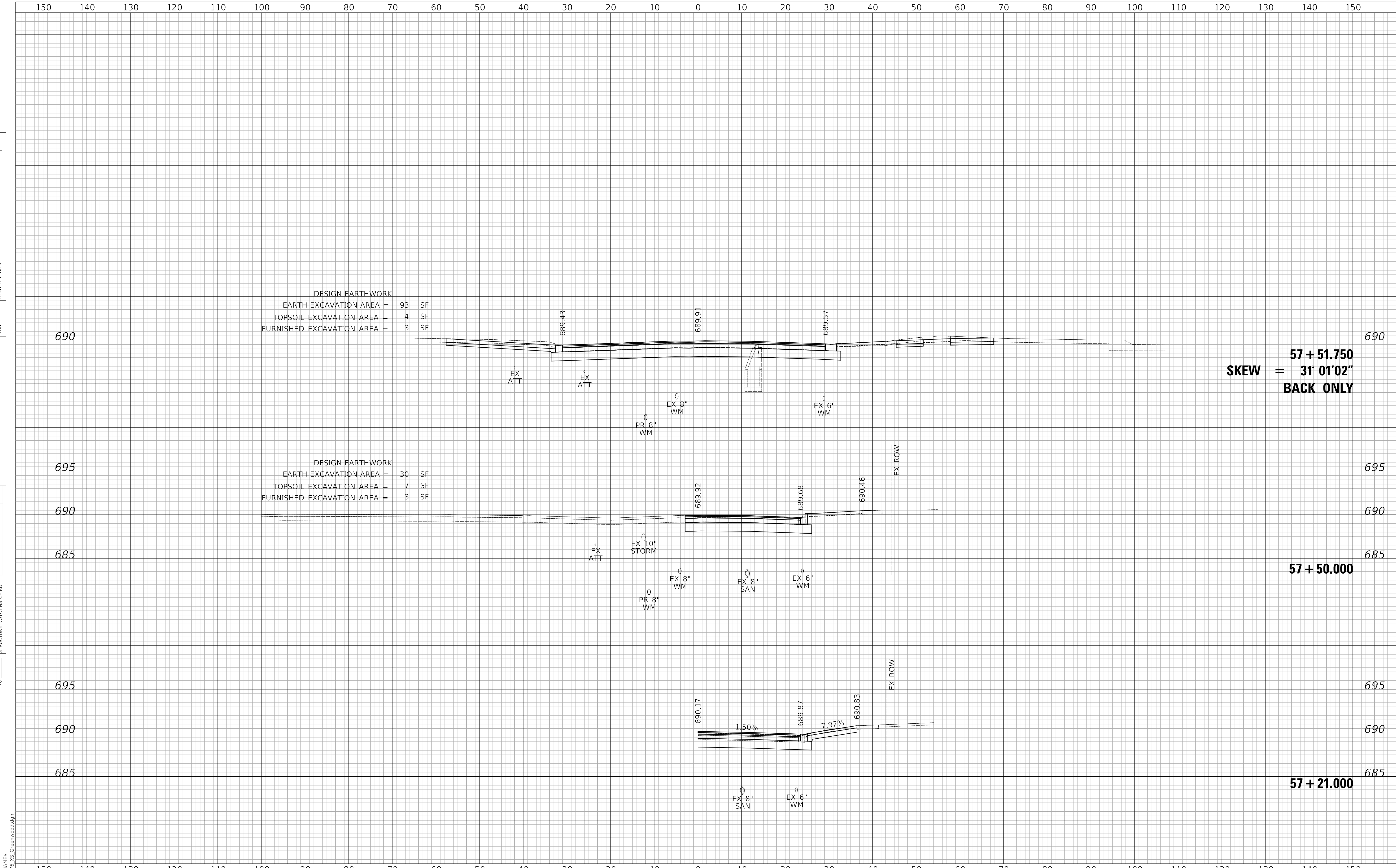
CROSS SECTIONS

SHEET 8 OF 9 SHEETS STA. 56+50.000 TO STA. 57+00.000

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1262	17-00103-00-PV	LAKE	93	92
				CONTRACT NO. 61F47
				ILLINOIS FED. AID PROJECT

PLAN	SURVEYED	DATE
	PLOTTED	BY
	ALIGNMENT CHECKED	
	CADD FILE NAME	
	NO.	

PROFILE	SURVEYED	DATE
	PLOTTED	BY
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	NO.	



DESIGN EARTHWORK
 EARTH EXCAVATION AREA = 93 SF
 TOPSOIL EXCAVATION AREA = 4 SF
 FURNISHED EXCAVATION AREA = 3 SF

DESIGN EARTHWORK
 EARTH EXCAVATION AREA = 30 SF
 TOPSOIL EXCAVATION AREA = 7 SF
 FURNISHED EXCAVATION AREA = 3 SF

57 + 51.750
SKEW = 31° 01' 02"
BACK ONLY

57 + 50.000

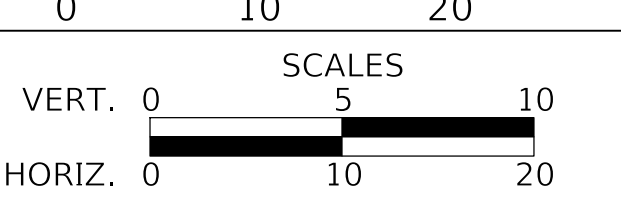
57 + 21.000

MODEL: SH06DELINAMES
 FILE NAME: ...13276_X5_Greenwood.dgn

Two Pierce Place, Suite 1400
 Itasca, Illinois 60143
 Tel: 630.773.3900 Fax: 630.773.3975
 www.civiltechinc.com

DESIGNED	-	JRR	REVISED	-
DRAWN	-	TGB	REVISED	-
CHECKED	-	KRK	REVISED	-
DATE	-	1/03/2019	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



CROSS SECTIONS

SHEET 9 OF 9 SHEETS STA. 57+21.000 TO STA. 57+51.750

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1262	17-00103-00-PV	LAKE	93	93
				CONTRACT NO. 61F47
				ILLINOIS FED. AID PROJECT