

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS

PLANS FOR PROPOSED FEDERAL AID HIGHWAY

**FAU 3714 (NORTH AVENUE)
FROM WILMOT ROAD TO TELEGRAPH ROAD
RECONSTRUCTION
SECTION: 15-00100-00-PV
PROJECT: M-4003 (515)
VILLAGE OF DEERFIELD
LAKE COUNTY
C-91-323-15**

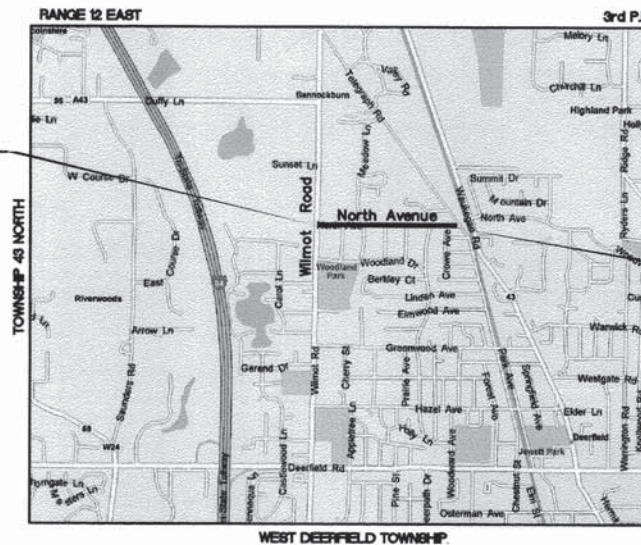
FOR INDEX OF SHEETS, SEE SHEET NO. 2

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3714	15-00100-00-PV	LAKE	50	1
		ILLINOIS	CONTRACT NO. 61C40	



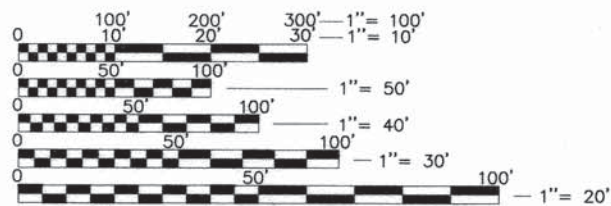
TRAFFIC DATA:
NORTH AVENUE - MAJOR COLLECTOR
ADT = 400
SPEED LIMIT = 25 MPH

**BEGIN IMPROVEMENTS
STA. 1+10**



**END IMPROVEMENTS
STA. 32+14**

**LOCATION MAP
(Not to Scale)**



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**

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

CONTRACT NO. 61C40

**GROSS LENGTH OF PROJECT ■ 3,204 FEET (0.607 MILES)
NET LENGTH OF PROJECT ■ 3,204 FEET (0.607 MILES)**

**GHA GEWALT HAMILTON
ASSOCIATES, INC.**
625 Forest Edge Drive ■ Vernon Hills, IL 60061
TEL 847.478.9700 ■ FAX 847.478.9701

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS
APPROVED <u>November 23, 2015</u> VILLAGE OF DEERFIELD
APPROVED <u>November 23, 2015</u> VILLAGE OF BANNOCKBURN
PASSED <u>JANUARY 28, 2016</u> DISTRICT ONE ENGINEER OF LOCAL ROADS AND STREETS
RELEASING FOR BID BASED ON LIMITED REVIEW <u>January 29, 2016</u> DEPUTY DIRECTOR OF HIGHWAYS, REGION ONE ENGINEER
SIGNED: <u>Kevin L. Belgrave</u> KEVIN L. BELGRAVE, EXP. 11/30/2017
DATE: <u>NOVEMBER 23, 2015</u>



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OF THE STATE OF ILLINOIS**

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GENERAL NOTES

THE ILLINOIS DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" LATEST EDITION, THE "STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS" LATEST EDITION, PROJECT SPECIFICATIONS, ALL APPLICABLE REQUIREMENTS OF THE ILLINOIS ENVIRONMENTAL PROTECTION AGENCY, THE VILLAGE OF DEERFIELD, ALL APPLICABLE REQUIREMENTS OF THE ORDINANCES OR AUTHORITIES HAVING JURISDICTION AND ALL ADDENDA THERETO SHALL GOVERN THIS WORK.

IT IS THE CONTRACTOR'S RESPONSIBILITY TO ASCERTAIN EXISTING FIELD CONDITIONS PRIOR TO BIDDING ON THIS PROJECT. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR FAILURE TO VERIFY EXISTING DIMENSIONS OR CONDITIONS.

THE CONTRACTOR SHALL LIMIT HIS CONSTRUCTION ACTIVITIES TO THE WORK AREAS DESIGNATED ON THE PLANS OR AS DETERMINED BY THE ENGINEER. ANY DAMAGE TO AREAS OUTSIDE OF THESE LIMITS SHALL BE REPAIRED BY THE CONTRACTOR AT HIS OWN EXPENSE TO THE SATISFACTION OF THE ENGINEER.

WHERE SECTION OR SUBSECTION MONUMENTS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED. THE CONTRACTOR SHALL CAREFULLY PRESERVE ALL PROPERTY MARKERS AND MONUMENTS UNTIL THE OWNER, AN AUTHORIZED SURVEYOR OR AGENT HAS WITNESSED OR OTHERWISE REFERENCED EACH LOCATION.

UTILITY NOTES

ALL WATER MAIN CONSTRUCTION SHALL CONFORM TO THE VILLAGE OF DEERFIELD, THE IEPA REQUIREMENTS, AND THE STANDARD SPECIFICATIONS FOR SEWER AND WATERMAIN CONSTRUCTION IN ILLINOIS, LATEST EDITION.

ALL UNDERGROUND UTILITY LOCATIONS, INCLUDING SANITARY SEWERS, STORM SEWERS, WATER MAINS, AND THEIR SERVICE LINES SHOWN ON THE PLANS ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO HAVE THE RESPECTIVE UTILITY COMPANIES FIELD LOCATE THESE UTILITIES, ASCERTAIN THEIR STATUS AND ADJUST OR RELOCATE THESE UTILITIES AS NECESSARY PRIOR TO STARTING CONSTRUCTION. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.

THE CONTRACTOR SHALL PROVIDE A LIST OF SEWER AND WATER SERVICE MEASUREMENTS TO THE VILLAGE UPON COMPLETION OF THE PROJECT.

UNDERGROUND WORK SHALL INCLUDE TRENCHING, DEWATERING, INSTALLATION OF PIPE, CASTINGS, STRUCTURES, BACKFILLING OF TRENCHES AND COMPACTION, AND TESTING AS SHOWN ON THE PLANS. FITTINGS AND ACCESSORIES NECESSARY TO COMPLETE THE WORK MAY NOT BE SPECIFIED BUT SHALL BE CONSIDERED INCLUDED IN THE COST OF THE ITEM OF WORK. ALL SEWERS SHALL BE INSTALLED USING A LASER.

CONTRACTOR SHALL MACHINE CORE ALL CONNECTIONS TO EXISTING STRUCTURES. PIPE PENETRATIONS INTO EXISTING SANITARY MANHOLES SHALL BE PROPERLY SIZED AND CORED AND SEALED WITH FLEXIBLE WATER TIGHT CONNECTIONS.

ALL EXISTING STRUCTURES SHALL BE ADJUSTED AS NECESSARY TO MATCH PROPOSED GRADES AND LANDSCAPING.

SERVICE CONNECTIONS TO NEW SEWERS SHALL BE MADE WITH WYE BRANCHES. WYE BRANCHES SHALL BE FACTORY MANUFACTURED PERMANENTLY AFFIXED TO THE MAIN SEWER. TEE BRANCHES ARE NOT ALLOWED.

THE STATION, OFFSET AND ELEVATIONS NOTED FOR ALL DRAINAGE STRUCTURES LOCATED IN THE CURB LINE REFER TO THE PROPOSED EDGE OF PAVEMENT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE OFFSET NECESSARY FOR EACH STRUCTURE TO SET THE FRAME AND GRATE IN THE PROPER LOCATION. ALL OTHER STRUCTURES ARE DIMENSIONED TO THE CENTER OF THE STRUCTURE.

FRAME ELEVATIONS GIVEN ON THE PLANS ARE ONLY TO ASSIST THE CONTRACTOR IN DETERMINING THE APPROXIMATE OVERALL HEIGHT OF THE STRUCTURE. THE ADJUSTMENT OF FRAMES ON ALL NEW STRUCTURES SHALL BE FIRST TO THE TOP OF THE PROPOSED BINDER ELEVATION WITH BITUMINOUS CONCRETE AND FINALLY TO THE PROPOSED SURFACE ELEVATION WITH P.C.C. COLLARS. THE TWO ADJUSTMENTS SHALL BE INCLUDED IN THE COST OF THE NEW STRUCTURES.

THE COST OF MAKING NEW STORM SEWER OR SANITARY SEWER CONNECTIONS TO EXISTING OR PROPOSED SEWER OR DRAINAGE STRUCTURES SHALL BE INCLUDED IN THE COST OF THE STORM SEWER OR SANITARY SEWER BEING CONNECTED.

THE CONTRACTOR SHALL MAINTAIN FLOWS THROUGH EXISTING SEWERS AT ALL TIMES. THE EXISTING STRUCTURES SHALL BE INSPECTED BEFORE CONSTRUCTION STARTS. ANY ACCUMULATION OF MATERIAL IN THE STRUCTURE DUE TO CONSTRUCTION OPERATIONS SHALL BE REMOVED BY THE CONTRACTOR AT HIS EXPENSE.

WHEN EXISTING DRAINAGE FACILITIES ARE DISTURBED, THE CONTRACTOR SHALL PROVIDE AND MAINTAIN TEMPORARY OUTLETS AND CONNECTIONS FOR ALL PRIVATE OR PUBLIC DRAINS, SEWERS OR STRUCTURES. HE SHALL PROVIDE FACILITIES TO TAKE IN ALL STORM WATER WHICH WILL BE RECEIVED BY THESE DRAINS AND SEWERS, AND DISCHARGE THE SAME. HE SHALL PROVIDE AND MAINTAIN AN EFFICIENT PUMPING PLANT, IF NECESSARY, AND A TEMPORARY OUTLET. HE SHALL BE PREPARED AT ALL TIMES TO DISPOSE OF THE WATER RECEIVED FROM TEMPORARY CONNECTIONS UNTIL SUCH TIME AS THE PERMANENT CONNECTIONS WITH SEWERS ARE BUILT AND IN SERVICE. THIS WORK WILL NOT BE PAID FOR SEPERATELY BUT SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.

THE CONTRACTOR SHALL FURNISH ALL LABOR, MATERIALS, AND EQUIPMENT NECESSARY FOR DEWATERING TRENCH EXCAVATIONS AS WELL AS SHORING TRENCH WALLS DURING UTILITY INSTALLATION OPERATIONS. COMPLIANCE WITH THE ABOVE IS CONSIDERED INCLUDED IN THE COST OF THE UTILITY BEING INSTALLED.

THE COST OF CONNECTING EXISTING STORM SEWERS, PIPE DRAINS, OR PIPE UNDERDRAINS TO THE PROPOSED DRAINAGE SYSTEM SHALL BE INCLUDED IN THE UNIT COST OF THE PROPOSED DRAINAGE STRUCTURE. THE COST OF CONNECTING PROPOSED STORM SEWER, PIPE DRAINS, OR UNDERDRAINS TO EXISTING STRUCTURES SHALL BE INCLUDED IN THE UNIT COST OF THE PROPOSED STORM SEWER. ADDITIONAL PIPE REQUIRED TO COMPLETE THE CONNECTIONS WILL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR "STORM SEWER", "PIPE DRAINS" OR "PIPE UNDERDRAINS", OF THE TYPE, SIZE AND CLASS REQUIRED.

UTILITY NOTES (CONTINUED)

PRIOR TO WATER MAIN INSTALLATION AS SHOWN ON THE PLANS OR AS NEEDED OTHERWISE, THE CONTRACTOR SHALL SUBMIT A PLAN SHOWING THE SEQUENCE OF OPERATIONS TO THE ENGINEER FOR APPROVAL. THE ENGINEER WILL COORDINATE WITH THE VILLAGE OF DEERFIELD DURING THE REVIEW AND APPROVAL PROCESS.

FIRE HYDRANTS SHALL BE BAGGED TO INDICATE THEY ARE NOT IN SERVICE UNTIL ALL TESTING AND DISINFECTION HAS BEEN COMPLETED AND NEW WATER MAIN SECTION IS IN SERVICE.

FOR WATER MAIN SHUTOFFS, THE CONTRACTOR SHALL GIVE THE VILLAGE A MINIMUM OF 48 HOURS NOTICE. THE VILLAGE WILL PROVIDE NOTIFICATION FORMS AND DETERMINE THE LIMITS OF THE AFFECTED AREAS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DISTRIBUTION OF THE NOTIFICATION TO ALL AFFECTED RESIDENTS A MINIMUM OF 24 HOURS IN ADVANCE OF THE SHUTOFF.

"W" SHALL BE STAMPED IN THE CURB LINE WITH THE PROPOSED WATER SERVICE

ALL FRAMES AND GRATES DAMAGED BY THE CONTRACTOR DURING CONSTRUCTION SHALL BE REPLACED BY THE CONTRACTOR AT HIS EXPENSE.

VALVES ON EXISTING WATER MAIN LINES SHALL BE OPERATED BY VILLAGE PERSONNEL ONLY. THE ENGINEER AND THE VILLAGE WATER DEPARTMENT SHALL BE NOTIFIED 48 HOURS IN ADVANCE WHEN WATER MAIN ADJUSTMENTS WILL BE MADE SO THAT LOCAL RESIDENTS MAY BE NOTIFIED. THE VILLAGE WATER DEPARTMENT SHALL BE PRESENT FOR INSPECTION OF WATER MAIN ADJUSTMENTS.

ONLY HDPE RECYCLED PLASTIC ADJUSTMENT RINGS WILL BE ALLOWED FOR THE ADJUSTMENTS OF INLETS, CATCH BASINS, MANHOLES, AND VALVE VAULTS. NO MORE THAN 2 RINGS FOR A TOTAL ADJUSTMENT OF 8 INCHES WILL BE ALLOWED.

THE CONTRACTOR SHALL USE ALL NECESSARY PRECAUTIONS AND PROTECTION MEASURES REQUIRED TO MAINTAIN EXISTING UTILITIES, SEWERS, AND APPURTENANCES THAT MUST BE KEPT IN OPERATION. IN PARTICULAR, THE CONTRACTOR WILL TAKE ADEQUATE MEASURES TO PREVENT THE UNDERMINING OF UTILITIES AND SEWERS WHICH ARE STILL IN SERVICE. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROTECT EXCAVATION TRENCHES DURING THE INSTALLATION OF STORM SEWER, SANITARY SEWER AND WATER MAIN TO INCLUDE SHORING OR DEWATERING EQUIPMENT NECESSARY. THE COST OF THIS WORK IS CONSIDERED INCLUDED IN THE CONTRACT.

PROPER DRAINAGE SHALL BE MAINTAINED IN THE IMPROVEMENT AREA DURING CONSTRUCTION. THE COST OF THIS WORK SHALL BE CONSIDERED INCLUDED IN THE COST OF THE CONTRACT.

FRAMES OF ALL NEW STRUCTURES WILL BE ADJUSTED TO THE FINAL ELEVATION OF THE AREA IN WHICH THEY ARE LOCATED. THOSE LOCATED IN THE PAVEMENT SHALL BE LOCKED IN CONCRETE. THIS WORK SHALL BE CONSIDERED INCLUDED IN THE COST OF THE NEW FRAME.

SIGNING

ALL SIGN POSTS SHALL CONFORM TO VILLAGE STANDARDS

ALL SIGNS NOT REQUIRED FOR REUSE AFTER CONSTRUCTION IS COMPLETED SHALL REMAIN THE PROPERTY OF THE VILLAGE. THE CONTRACTOR SHALL BE REQUIRED TO STORE THEM AT THE JOBSITE FOR PICKUP BY THE VILLAGE.

PAVING AND GRADING NOTES

ALL PAVEMENT DIMENSIONS SHOWN ON THE PLANS ARE TO THE EDGE OF PAVEMENT UNLESS OTHERWISE SPECIFIED.

BASE COURSE SHALL NOT BE PLACED ADJACENT TO CURB AND GUTTER UNTIL THE CURB AND GUTTER HAS BEEN PROPERLY BACKFILLED TO THE SATISFACTION OF THE ENGINEER.

PRIOR TO PLACING HOT MIX ASPHALT ADJACENT TO PAVEMENT TO REMAIN, THE EXPOSED EDGE SHALL BE CLEANED OF LOOSE MATERIAL TO THE SATISFACTION OF THE ENGINEER. THIS WORK SHALL BE CONSIDERED INCLUDED IN THE COST OF THE HOT MIX ASPHALT BEING PLACED.

HMA SURFACE COURSE SHALL NOT BE PLACED UNTIL ALL EARTH EXCAVATION, TOP SOIL PLACEMENT, AND HMA BINDER COURSE HAVE BEEN COMPLETED TO THE SATISFACTION OF THE ENGINEER.

ALL PAVING MATERIALS INCORPORATED INTO THE PROJECT SHALL BE FROM ILLINOIS DEPARTMENT OF TRANSPORTATION APPROVED STOCKPILES UNLESS OTHERWISE APPROVED BY THE ENGINEER.

SUBBASE SHALL BE MECHANICALLY COMPACTED PRIOR TO PLACING CURB AND GUTTER.

NO P.C.C. SHALL BE PLACED UNTIL THE FORMS HAVE BEEN INSPECTED FOR LINE, GRADE AND SUBGRADE CONDITIONS BY THE ENGINEER. CONTRACTOR SHALL ARRANGE FOR INSPECTIONS 24 HOURS IN ADVANCE OF ALL P.C.C. PLACEMENT.

DURING THE CONSTRUCTION OPERATIONS WHEN ANY LOOSE MATERIAL IS DEPOSITED IN THE FLOW LINE OF DITCHES, GUTTERS, OR DRAINAGE STRUCTURES SO THE NATURAL FLOW OF WATER IS OBSTRUCTED, THE MATERIAL SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY. AT THE CONCLUSION OF THE CONSTRUCTION OPERATIONS ALL DRAINAGE STRUCTURES SHALL BE FREE FROM ALL DIRT AND DEBRIS. THIS WORK SHALL NOT BE PAID FOR SEPERATELY BUT SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.

ALL CURB AND GUTTER REMOVAL AND REPLACEMENT SHALL BE COMPLETED PRIOR TO PLACING ANY BITUMINOUS MATERIAL ON THE STREET.

STATE STANDARDS

- 000001-06 STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
- 442201-03 CLASS C AND D PATCHES
- 542306-03 PRECAST REINFORCED CONCRETE ELLIPTICAL FLARED END SECTION
- 602001-02 CATCH BASIN TYPE A
- 602301-04 INLET TYPE A
- 602401-03 MANHOLE TYPE A
- 602701-02 MANHOLE STEPS
- 604001-04 FRAME AND LIDS TYPE 1
- 606001-06 CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
- 701001-02 OFF-RD OPERATIONS, 2L, 2W, MORE THAN 15' AWAY
- 701006-05 OFF-RD OPERATIONS, 2L, 2W, 15' TO 24" FROM PAVEMENT EDGE
- 701301-04 LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
- 701311-03 LANE CLOSURE 2L, 2W, MOVING OPERATIONS-DAY ONLY
- 701501-06 URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
- 701801-06 SIDEWALK, CORNER OR CROSSWALK CLOSURE
- 701901-05 TRAFFIC CONTROL DEVICES

DISTRICT ONE DETAILS

- BD-7 DETAIL OF STORM SEWER CONNECTION TO EXISTING SEWER
- BD-22 PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT
- TC-10 TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS
- TC-13 DISTRICT ONE TYPICAL PAVEMENT MARKING
- TC-22 ARTERIAL ROAD INFORMATION SIGNING

NOTE:

CONSTRUCTION MEANS, METHODS AND JOBSITE SAFETY IS THE SOLE AND EXCLUSIVE RESPONSIBILITY OF THE CONTRACTOR.

FILE NAME = 8101-805-dt1.dwg	USER NAME = GW3	DESIGNED - KLB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SHEET INDEX/GENERAL NOTES AND STATE STANDARDS	FA RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
	PLOT SCALE = 1:1	DRAWN - GW3	REVISED -			3714	15-00017-00-PV	LAKE	50	2	
	PLOT DATE = 01.10.15	CHECKED - DJG	REVISED -			CONTRACT # 61C40					
		DATE - -	REVISED -			ILLINOIS FED. AID PROJECT					
				SCALE AS NOTED		SHEET NO. - OF - SHEETS		STA. - TO STA. -			

SUMMARY OF QUANTITIES

SUMMARY OF QUANTITIES					CONSTRUCTION CODE	
SP	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	80% FEDERAL / 10% DEERFIELD / 10% BANNOCKBURN	100% DEERFIELD
					0004	0043
*	20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	450	450	
*	20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	470	470	
	20101000	TEMPORARY FENCE	FOOT	1,050	1,050	
*	20101200	TREE ROOT PRUNING	EACH	30	30	
*	20101300	TREE PRUNING (1 TO 10 INCH DIAMETER)	EACH	20	20	
*	20101350	TREE PRUNING (OVER 10 INCH DIAMETER)	EACH	20	20	
*	20101400	NITROGEN FERTILIZER NUTRENT	POUND	90	90	
*	20101600	POTASSIUM FERTILIZER NUTRENT	POUND	90	90	
	20200100	EARTH EXCAVATION	CU YD	2,550	2,550	
	20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	535	535	
	20800150	TRENCH BACKFILL	CU YD	3,275	3,275	
	21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	2,500	2,500	
*	21101625	TOPSOIL FURNISH AND PLACE, 6"	SQ YD	7,000	7,000	
*	25200110	SODDING, SALT TOLERANT	SQ YD	7,000	7,000	
	25200200	SUPPLEMENTAL WATERING	UNIT	105	105	
	28000400	PERMETER EROSION BARRIER	FOOT	3,200	3,200	
	28000510	INLET FILTERS	EACH	25	25	
	30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	535	535	
	30300112	AGGREGATE SUBGRADE IMPROVEMENT 12"	SQ YD	10,100	10,100	
	35101600	AGGREGATE BASE COURSE, TYPE B 4"	SQ YD	790	790	
	40700100	BITUMINOUS MATERIALS (TACK COAT)	POUND	11,880	11,880	
	40701816	HOT-MIX ASPHALT PAVEMENT (FULL DEPTH), 6-3/4"	SQ YD	8,800	8,800	
	42300200	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH	SQ YD	75	75	
	42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	275	275	
	42400800	DETECTABLE WARNINGS	SQ FT	40	40	
	44000100	PAVEMENT REMOVAL	SQ YD	8,400	8,400	
	44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	950	950	
	44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	1,400	1,400	
	44000600	SIDEWALK REMOVAL	SQ FT	155	155	
	44201757	CLASS D PATCHES, TYPE III, 9 INCH	SQ YD	35	20	15
	50105220	PIPE CULVERT REMOVAL	FOOT	45	45	0
	54214737	PRECAST REINFORCED CONCRETE FLARED END SECTIONS - ELLIPTICAL, EQUIVALENT ROUND-SIZE 42"	EACH	1	1	
	550A0360	STORM SEWERS, CLASS A, TYPE 2 15"	FOOT	12	12	
	550A0380	STORM SEWERS, CLASS A, TYPE 2 18"	FOOT	952	952	
	550A0400	STORM SEWERS, CLASS A, TYPE 2 21"	FOOT	15	15	
	550A0430	STORM SEWERS, CLASS A, TYPE 2 30"	FOOT	690	690	
	550A5500	STORM SEWERS, CLASS A, TYPE 2 EQUIVALENT ROUND-SIZE 42"	FOOT	100	100	

SUMMARY OF QUANTITIES					CONSTRUCTION CODE	
SP	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	80% FEDERAL / 10% DEERFIELD / 10% BANNOCKBURN	100% DEERFIELD
					0004	0043
	550B0040	STORM SEWERS, CLASS B, TYPE 1 10"	FOOT	233	233	
	550B0050	STORM SEWERS, CLASS B, TYPE 2 12"	FOOT	619	619	
	55100200	STORM SEWER REMOVAL 6"	FOOT	375	375	
	55100300	STORM SEWER REMOVAL 8"	FOOT	495	495	
	55100400	STORM SEWER REMOVAL 10"	FOOT	230	230	
	55100500	STORM SEWER REMOVAL 12"	FOOT	245	245	
	55100700	STORM SEWER REMOVAL 15"	FOOT	780	780	
	55100900	STORM SEWER REMOVAL 18"	FOOT	670	670	
	55101100	STORM SEWER REMOVAL 21"	FOOT	310	310	
	55101400	STORM SEWER REMOVAL 30"	FOOT	110	110	
*	56102900	DUCTILE IRON WATER MAIN 4"	FOOT	30		30
*	56103000	DUCTILE IRON WATER MAIN 6"	FOOT	65		65
*	56103100	DUCTILE IRON WATER MAIN 8"	FOOT	140		140
*	56103200	DUCTILE IRON WATER MAIN 10"	FOOT	1,000		1,000
*	56105000	WATER VALVES 8"	EACH	6		6
*	56105100	WATER VALVES 10"	EACH	4		4
*	56400500	FIRE HYDRANTS TO BE REMOVED	EACH	6		6
	60100915	PIPE DRAINS 6"	FOOT	35	35	
	60108206	PIPE UNDERDRAINS, TYPE 2, 6"	FOOT	300	300	
	60200105	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	EACH	1	1	
	60200805	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 8 GRATE	EACH	6	6	
	60201330	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 23 FRAME AND GRATE	EACH	5	5	
	60208230	CATCH BASINS, TYPE C, TYPE 23 FRAME AND GRATE	EACH	1	1	
	60218300	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	EACH	1	1	
	60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	4	4	
	60219000	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 8 GRATE	EACH	2	2	
	60219530	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 23 FRAME AND GRATE	EACH	2	2	
	60221100	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	5	5	
	60223800	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1	1	
	60224446	MANHOLES, TYPE A, 7'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1	1	
	60236200	INLETS, TYPE A, TYPE 8 GRATE	EACH	12	12	
	60237460	INLETS, TYPE A, TYPE 23 FRAME AND GRATE	EACH	18	18	
*	60248900	VALVE VAULTS, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	10		10
	60500040	REMOVING MANHOLES	EACH	10	10	
	60500050	REMOVING CATCH BASINS	EACH	15	15	
	60500060	REMOVING INLETS	EACH	15	15	
	60608572	COMBINATION CONCRETE CURB AND GUTTER, TYPE M-4.18	FOOT	6,450	6,450	

* SPECIALTY ITEM

FILE NAME = 8101-805-dt1.dwg	USER NAME = GW3	DESIGNED - KLB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES			FA RTE 3714	SECTION 15-00017-00-PV	COUNTY LAKE	TOTAL SHEETS 50	SHEET NO. 3
	PLOT SCALE = 1:1	DRAWN - GW3	REVISED -		SCALE AS NOTED	SHEET NO. -- OF -- SHEETS	STA. -- TO STA. --	CONTRACT # 61C40				
	PLOT DATE = 01.10.15	CHECKED - DJG	REVISED -		ILLINOIS FED. AID PROJECT							
		DATE - --	REVISED -									

SUMMARY OF QUANTITIES

SUMMARY OF QUANTITIES					CONSTRUCTION CODE	
					80% FEDERAL / 10% DEERFIELD / 10% BANNOCKBURN	100% DEERFIELD
SP	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	0004	0043
	67100100	MOBLIZATION	L SUM	1	1	
	70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1	1	
	70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1	1	
	72000100	SIGN PANEL - TYPE 1	SQ FT	81	81	
	72400100	REMOVE SIGN PANEL ASSEMBLY - TYPE A	EACH	20	20	
	72900200	METAL POST - TYPE B	FOOT	280	280	
*	78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	148	148	
*	78001180	THERMOPLASTIC PAVEMENT MARKING LINE 24"	FOOT	111	111	
*	A2C05680	TREE, OSTRYA VIRGINIA (IRONWOOD), 7' HEIGHT, CLUMP FORM, BALLED AND BURLAPPED	EACH	6	6	
*	A2006516	TREE, QUERCUS BICOLOR (SWAMP WHITE OAK), 2" CALIPER, BALLED AND BURLAPPED	EACH	3	3	
*	A2006716	TREE, QUERCUS MACROCARPA (BUR OAK), 2" CALIPER, BALLED AND BURLAPPED	EACH	3	3	
*	A2007116	TREE, QUERCUS RUBRA (RED OAK), 2" CALIPER, BALLED AND BURLAPPED	EACH	3	3	
*	A2012916	TREE, CELTIS OCCIDENTALIS ULZAM (COMMON HACKBERRY), 2" CALIPER, BALLED AND BURLAPPED	EACH	3	3	
*	A2017816	TREE, TILIA AMERICANA MCKSENTRY (SENTRY AMERICAN LINDEN/BASSWOOD), 2" CALIPER, BALLED AND BURLAPPED	EACH	3	3	
*	B2001420	TREE, CORNUS MAS (CORNELIAN CHERRY DOG WOOD), 2" CALIPER, TREE FORM, BALLED AND BURLAPPED	EACH	6	6	
*	B2005370	TREE, MALUS ZUMI CALOCARPA (REDBUD ZUMI CRABAPPLE), 8" HEIGHT, CLUMP FORM, BALLED AND BURLAPPED.	EACH	6	6	
*	B2006270	TREE, SYRINGA RETICULATA (JAPANESE TREE LILAC), 8" HEIGHT, CLUMP FORM, BALLED AND BURLAPPED	EACH	6	6	
* X	K0029624	WEED CONTROL, TEASEL	GALLON	3	3	
* X	K0029634	WEED CONTROL, PRE-EMERGENT GRANULAR HERBICIDE	POUND	5	5	
* X	X0326658	CURED-IN-PLACE PIPE LINER, 10"	FOOT	1,250		1,250
X	X0326658	PLUG EXISTING STORM SEWERS	CU YD	10	10	
* X	X0327123	CURED-IN-PLACE PIPE LINER, 8"	FOOT	570		570
X	X2010510	CLEARING AND GRUBBING	L SUM	1	1	
X	X4021000	TEMPORARY ACCESS (PRVATE ENTRANCE)	EACH	22	22	
X	X4023000	TEMPORARY ACCESS (ROAD)	EACH	7	7	
* X	X5620112	WATER SERVICE CONNECTION	EACH	13		13
* X	X5640150	FIRE HYDRANT ASSEMBLY COMPLETE	EACH	6		6
* X	X6026057	SANITARY MANHOLE TO BE RECONSTRUCTED WITH NEW TYPE 1 FRAME, CLOSED LID	EACH	5		5
* X	X6026622	VALVE VAULTS TO BE REMOVED	EACH	11		11
X	XX000406	BRICK PAVER REMOVAL AND REPLACEMENT	SQ FT	330	330	
* X	XX000679	CUT AND CAP EXISTING WATER MAIN	EACH	10		10
* X	XX003536	CONNECTIONS TO EXISTING WATER MAINS (NON-PRESSURE)	EACH	8		8
X	XX002258	STRUCTURES TO BE ADJUSTED	EACH	20	20	

SUMMARY OF QUANTITIES					CONSTRUCTION CODE	
					80% FEDERAL / 10% DEERFIELD / 10% BANNOCKBURN	100% DEERFIELD
SP	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	0004	0043
X	XX002258	STRUCTURES TO BE ADJUSTED	EACH	20	20	
X	XX003338	TEST HOLE	EACH	15	15	
* X	XX003358	SANITARY MANHOLE, 5' DIA	EACH	1		1
* X	XX003673	SANITARY SERVICE REPLACEMENT	EACH	13		13
* X	XX004689	SANITARY SERVICE TO BE ADJUSTED	EACH	5	5	
* X	XX008959	DUCTILE IRON WATER MAIN (SPECIAL)	FOOT	2,000		2,000
X	Z0004522	HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 6"	SQ YD	715	715	
X	Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1	
X	Z0016702	DETOUR SIGNING	L SUM	1	1	
X	Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	51.4	51.4	
X	Z0056646	STORM SEWERS, TYPE 1, WATER MAIN QUALITY PIPE, 10"	FOOT	130	130	
X	Z0056648	STORM SEWERS, TYPE 1, WATER MAIN QUALITY PIPE, 12"	FOOT	217	217	
X	Z0056688	STORM SEWERS, TYPE 2, WATER MAIN QUALITY PIPE, 12"	FOOT	465	465	
Δ X	Z0076600	TRAINEES	HOURL	500	500	
Δ X	Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	HOURL	500	500	
* X	XX009091	SANITARY MANHOLE LINING	FOOT	125		125
* X	XX009092	SANITARY SEWER SPOT REPAIR (GREATER THAN 8 FOOT DEPTH)	FOOT	200		200

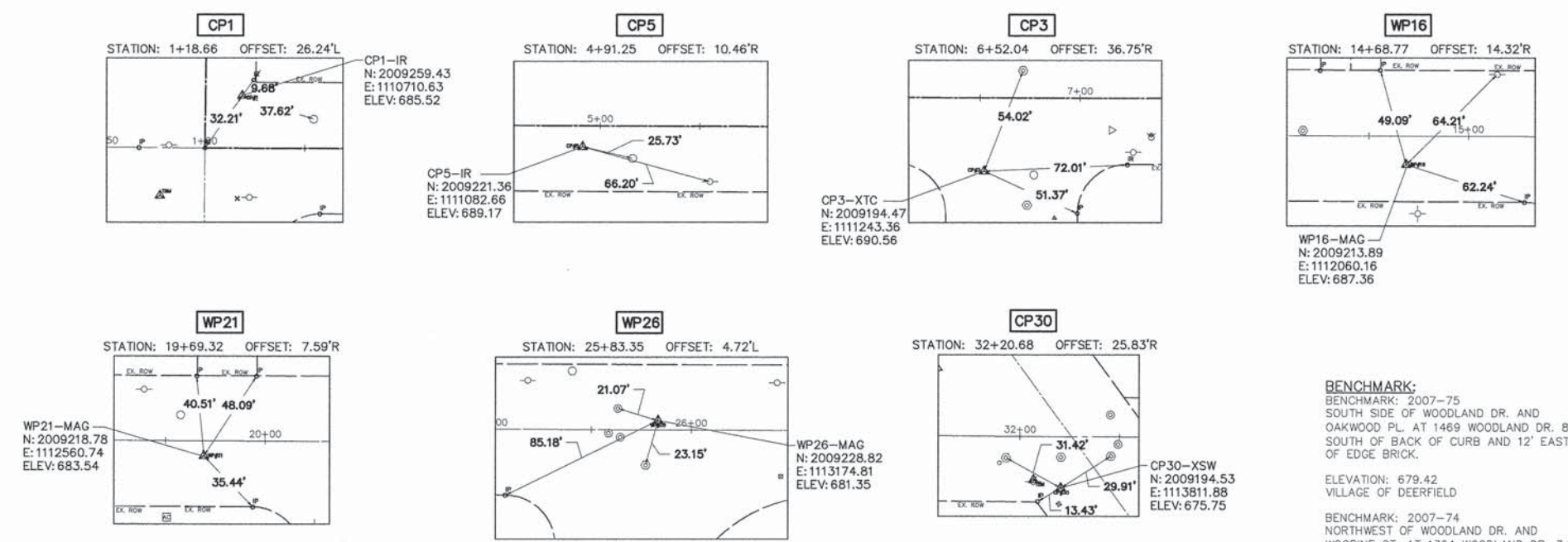
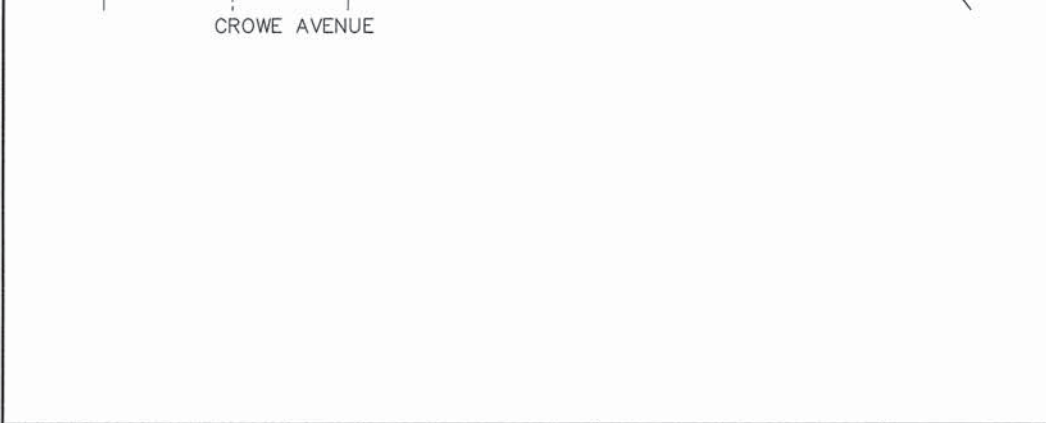
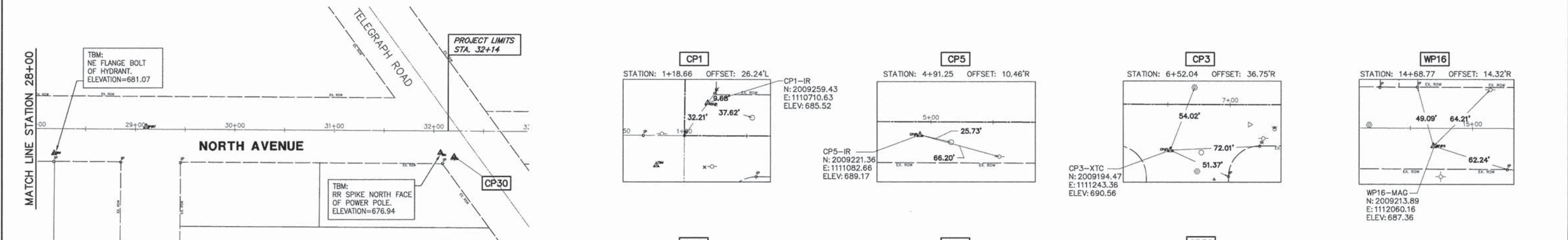
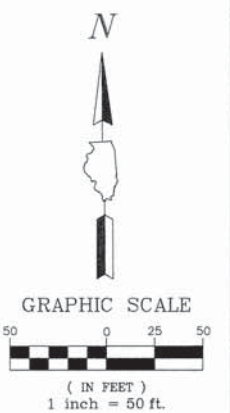
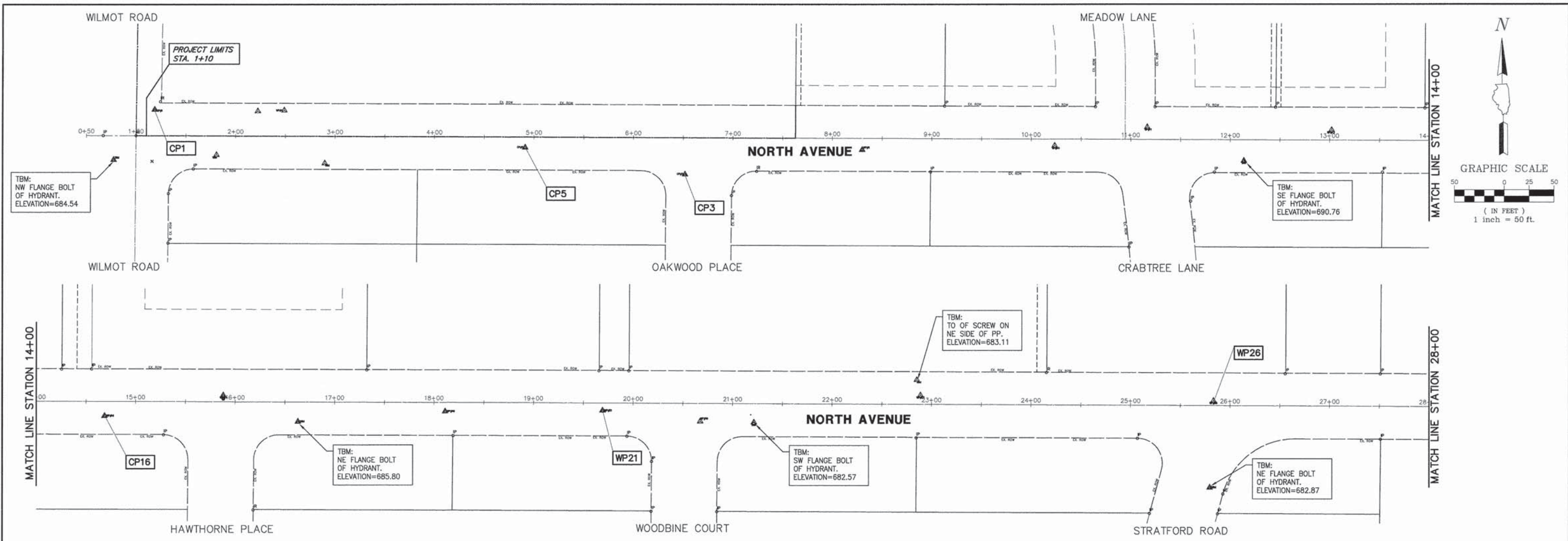
Δ 0042

* SPECIALTY ITEM

FILE NAME = 8101-805-dt1.dwg	USER NAME = GW3	DESIGNED - KLB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES	FA RTE 3714	SECTION 15-00017-00-PV	COUNTY LAKE	TOTAL SHEETS 50	SHEET NO. 4
	PLOT SCALE = 1:1	DRAWN - GW3	REVISED -							
	PLOT DATE = 01.10.15	CHECKED - DJG	REVISED -							
		DATE - -	REVISED -							
SCALE AS NOTED SHEET NO. -- OF -- SHEETS STA. -- TO STA. --						CONTRACT # 61C40 ILLINOIS FED. AID PROJECT				

Total Volume Table						
Station	Fill Area	Cut Area	Fill Volume	Cut Volume	Cumulative Fill Vol	Cumulative Cut Vol
1+00	0.00	0.00	0.00	0.00	0.00	0.00
1+50	0.00	12.08	0.00	11.19	0.00	11.19
2+00	0.00	15.16	0.00	25.22	0.00	36.41
2+45	0.00	25.99	0.00	34.29	0.00	70.70
2+50	0.00	24.66	0.00	4.69	0.00	75.39
3+00	0.13	10.20	0.12	32.28	0.12	107.67
3+50	0.12	7.54	0.23	16.43	0.35	124.09
4+00	0.00	6.02	0.11	12.56	0.46	136.65
4+50	0.00	14.07	0.00	18.60	0.46	155.25
5+00	0.00	15.84	0.00	27.69	0.46	182.94
5+50	0.00	23.23	0.00	36.18	0.46	219.12
6+00	0.00	20.49	0.00	40.48	0.46	259.60
6+50	1.44	24.00	1.33	41.19	1.80	300.80
6+65	0.25	24.81	0.47	13.56	2.27	314.35
7+00	0.00	11.02	0.16	23.22	2.43	337.58
7+50	0.00	11.73	0.00	21.06	2.43	358.64
7+75	0.00	11.04	0.00	10.54	2.43	369.18
8+00	3.93	5.98	1.82	7.88	4.25	377.06
8+20	0.00	9.04	1.46	5.56	5.70	382.63
8+50	6.39	4.01	3.55	7.25	9.25	389.88
8+80	1.77	8.92	4.53	7.18	13.79	397.06
9+00	0.00	14.99	0.66	8.86	14.44	405.92
9+50	0.00	22.22	0.00	34.45	14.44	440.37
9+85	0.00	18.32	0.00	26.28	14.44	466.65
10+00	0.00	17.18	0.00	9.86	14.44	476.51
10+20	0.00	27.30	0.00	16.47	14.44	492.98
10+50	0.00	18.57	0.00	25.48	14.44	518.46
11+00	0.60	31.66	0.56	46.51	15.00	564.97
11+25	0.09	26.45	0.32	26.90	15.32	591.88
11+50	0.02	16.89	0.05	20.06	15.37	611.94
12+00	2.47	11.52	2.31	26.31	17.67	638.25
12+50	0.38	17.23	2.64	26.62	20.31	664.87
12+90	0.25	23.97	0.47	30.52	20.78	695.39
13+00	0.22	25.12	0.09	9.09	20.87	704.48
13+50	0.00	16.84	0.20	38.85	21.07	743.33
14+00	0.00	19.22	0.00	33.39	21.07	776.72
14+17	1.60	30.58	0.50	15.68	21.57	792.39
14+50	1.85	17.64	2.11	29.47	23.68	821.86
14+88	0.00	22.76	1.30	28.43	24.98	850.29
15+00	3.10	15.51	0.69	8.50	25.67	858.80
15+50	0.00	18.25	2.87	31.26	28.54	890.06
15+85	0.00	32.24	0.00	32.73	28.54	922.78
16+00	1.02	49.61	0.28	22.74	28.83	945.52
16+50	0.00	25.64	0.94	69.68	29.77	1015.19
17+00	0.00	31.02	0.00	52.46	29.77	1067.66

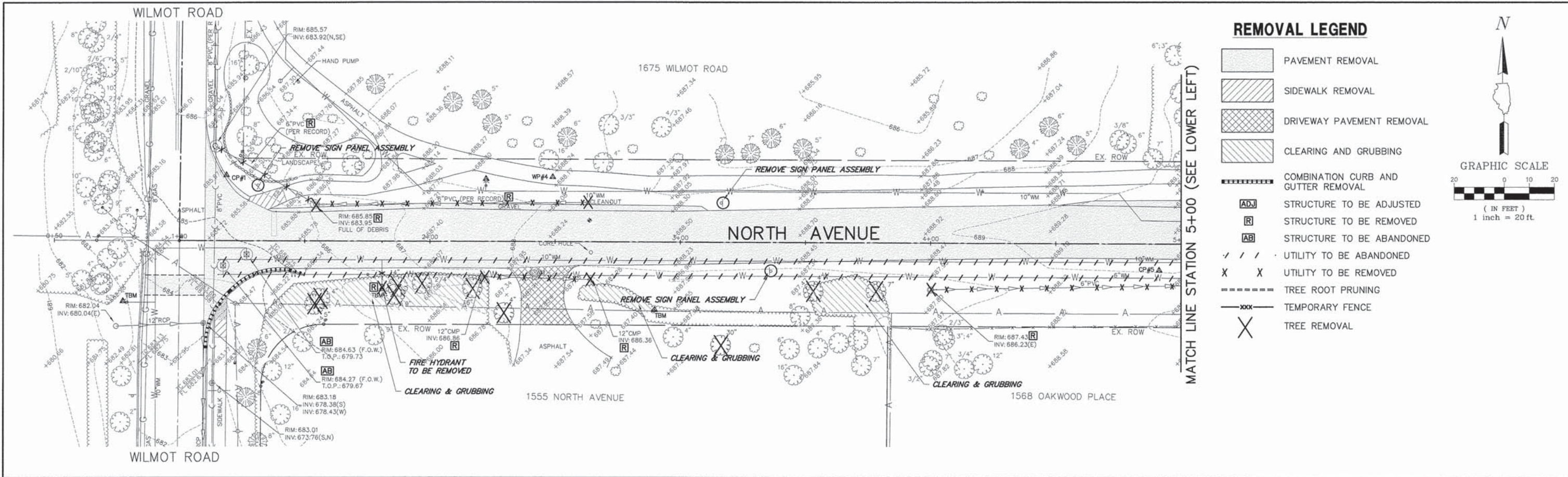
Total Volume Table						
Station	Fill Area	Cut Area	Fill Volume	Cut Volume	Cumulative Fill Vol	Cumulative Cut Vol
17+50	0.00	25.25	0.00	52.10	29.77	1119.76
18+00	0.00	34.83	0.00	55.63	29.77	1175.39
18+50	0.00	27.50	0.00	57.71	29.77	1233.10
19+00	0.00	28.84	0.00	52.17	29.77	1285.27
19+50	0.00	27.42	0.00	52.09	29.77	1337.36
20+00	0.00	24.01	0.00	47.62	29.77	1384.98
20+50	0.00	60.11	0.00	77.89	29.77	1462.87
21+00	0.00	32.04	0.00	85.32	29.77	1548.19
21+35	0.00	45.74	0.00	50.41	29.77	1598.61
21+50	0.00	40.89	0.00	24.06	29.77	1622.67
22+00	0.00	42.34	0.00	77.06	29.77	1699.73
22+50	0.00	30.85	0.00	67.77	29.77	1767.50
23+00	0.31	12.13	0.29	39.80	30.06	1807.30
23+25	0.00	20.55	0.14	15.13	30.20	1822.43
23+50	0.00	10.81	0.00	14.52	30.20	1836.95
23+88	0.00	26.14	0.00	26.00	30.20	1862.95
24+00	0.91	21.34	0.20	10.55	30.40	1873.50
24+50	0.00	27.56	0.84	45.28	31.25	1918.78
24+75	0.00	37.51	0.00	30.13	31.25	1948.90
25+00	0.00	21.37	0.00	27.26	31.25	1976.16
25+50	0.35	33.13	0.32	50.46	31.57	2026.63
25+70	0.15	37.70	0.19	26.23	31.76	2052.86
25+90	0.00	59.18	0.06	35.88	31.81	2088.74
26+00	0.11	43.64	0.02	19.04	31.83	2107.78
26+50	0.00	16.94	0.10	56.09	31.93	2163.87
27+00	0.00	15.65	0.00	30.18	31.93	2194.05
27+38	2.35	17.62	1.65	23.41	33.59	2217.46
27+50	0.00	17.67	0.52	7.84	34.11	2225.30
27+65	0.00	17.37	0.00	9.73	34.11	2235.04
28+00	0.00	17.35	0.00	22.50	34.11	2257.54
28+50	0.00	17.86	0.00	32.60	34.11	2290.14
29+00	1.25	32.07	1.16	46.23	35.27	2336.37
29+15	0.00	57.55	0.35	24.89	35.61	2361.27
29+50	0.02	13.80	0.01	46.25	35.63	2407.51
30+00	0.00	12.56	0.02	24.41	35.64	2431.92
30+32	0.03	18.36	0.02	18.32	35.66	2450.24
30+50	0.00	14.19	0.01	10.85	35.67	2461.09
30+94	0.00	22.79	0.00	30.13	35.67	2491.23
31+00	0.00	19.61	0.00	4.71	35.67	2495.94
31+50	0.00	7.93	0.00	25.50	35.67	2521.44
31+60	0.00	10.68	0.00	3.45	35.67	2524.88
32+00	0.00	18.16	0.00	21.36	35.67	2546.25












BENCHMARK:
 BENCHMARK: 2007-75
 SOUTH SIDE OF WOODLAND DR. AND
 OAKWOOD PL. AT 1469 WOODLAND DR. 8'
 SOUTH OF BACK OF CURB AND 12' EAST
 OF EDGE BRICK.
 ELEVATION: 679.42
 VILLAGE OF DEERFIELD

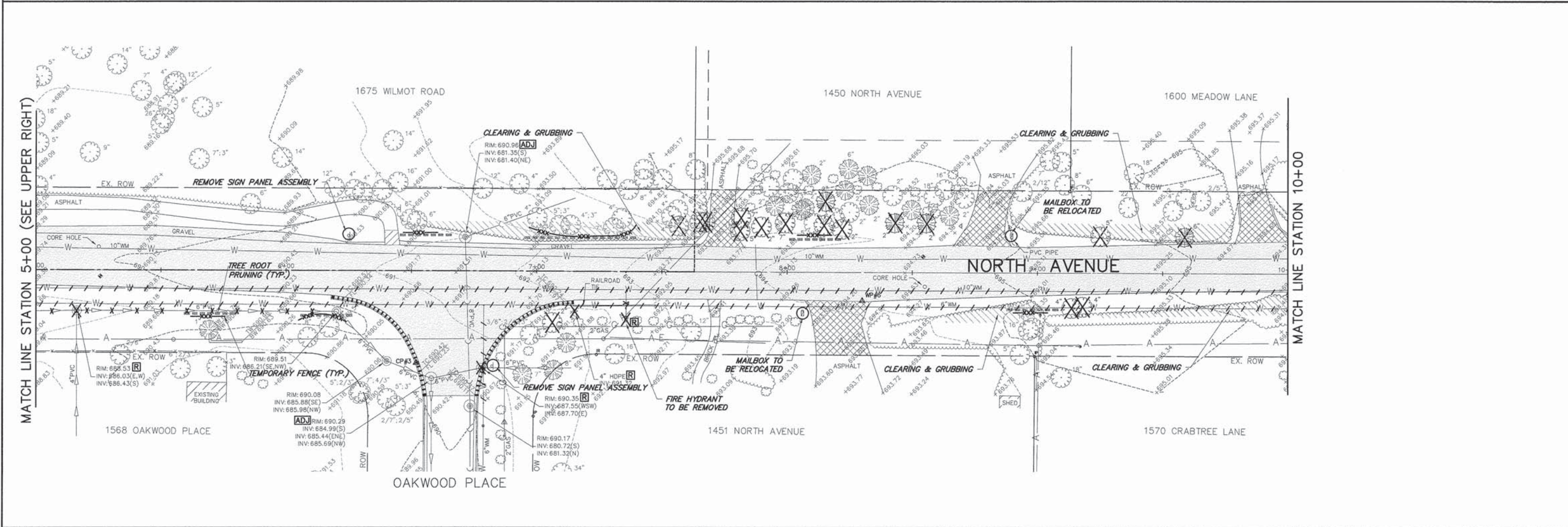
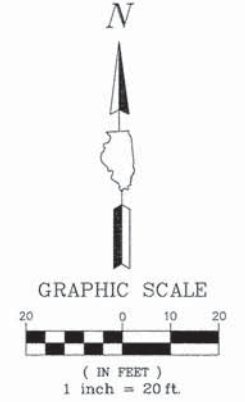
BENCHMARK: 2007-74
 NORTHWEST OF WOODLAND DR. AND
 WOODBINE CT. AT 1304 WOODLAND DR. 3.6'
 NORTH OF BACK OF CURB AND 26.6'
 EAST OF EDGE OF ASPHALT DRIVEWAY.
 ELEVATION: 688.05
 VILLAGE OF DEERFIELD

FILE NAME = 8101-805-pr1.dwg	USER NAME = GW3	DESIGNED - KLB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ALIGNMENT, TIES AND BENCHMARK			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 1:1	DRAWN - GW3	REVISED -		SCALE AS NOTED	SHEET NO. -- OF -- SHEETS	STA. -- TO STA. --	3714	15-00100-00-PV	LAKE	50	7
	PLOT DATE = 01.10.15	CHECKED - DJG	REVISED -									
		DATE - -	REVISED -									
								CONTRACT #:		61C40		
ILLINOIS FED. AID PROJECT												

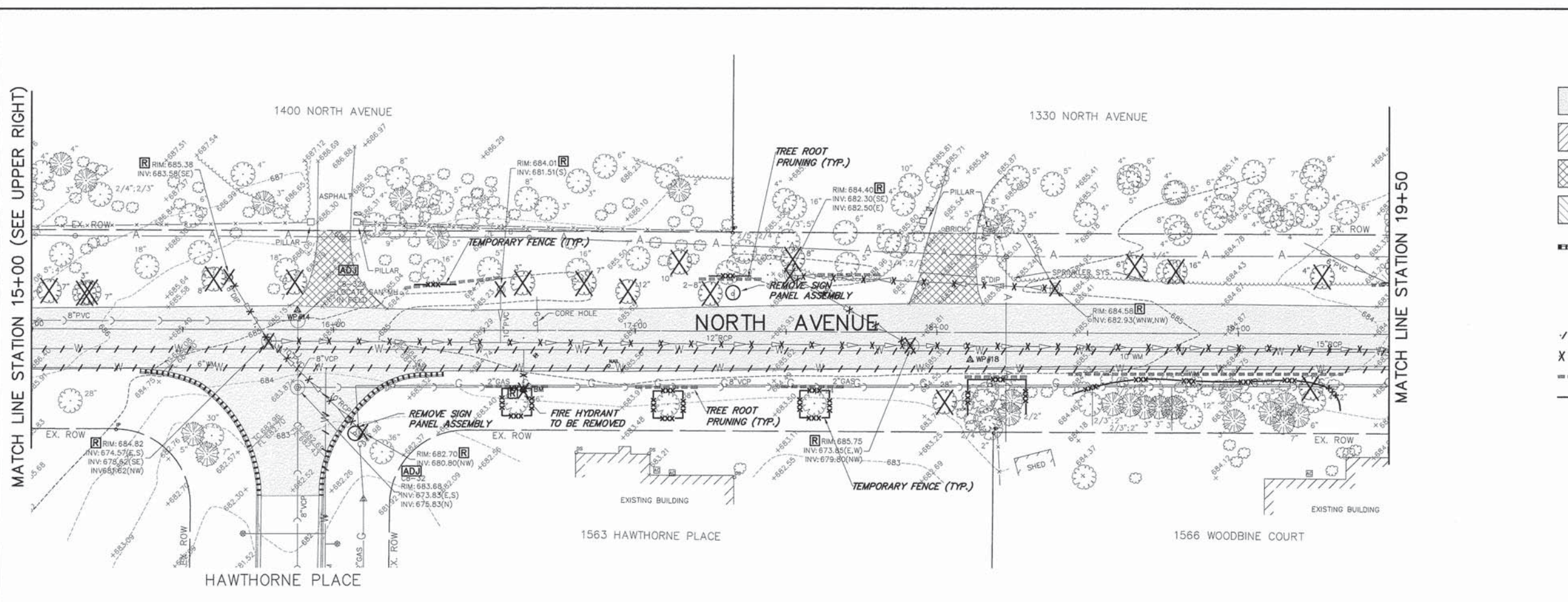
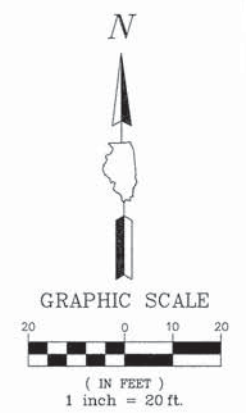
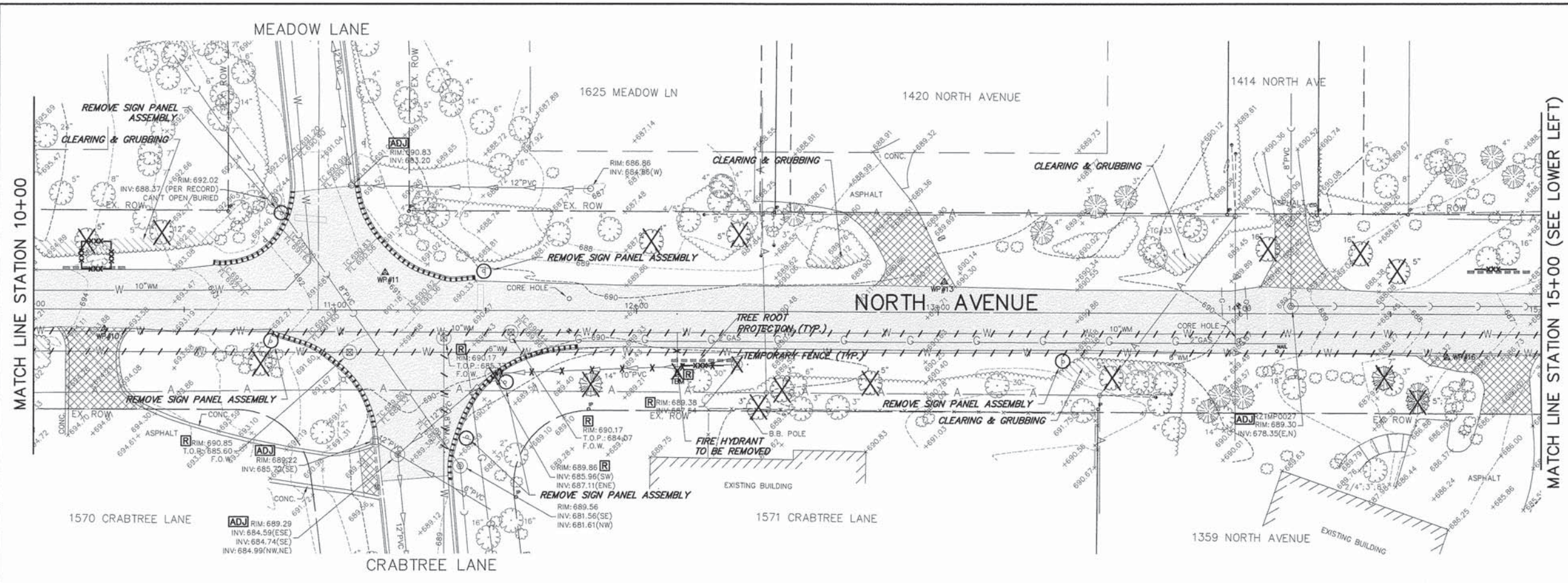


REMOVAL LEGEND

-  PAVEMENT REMOVAL
-  SIDEWALK REMOVAL
-  DRIVEWAY PAVEMENT REMOVAL
-  CLEARING AND GRUBBING
-  COMBINATION CURB AND GUTTER REMOVAL
-  STRUCTURE TO BE ADJUSTED
-  STRUCTURE TO BE REMOVED
-  STRUCTURE TO BE ABANDONED
-  UTILITY TO BE ABANDONED
-  UTILITY TO BE REMOVED
-  TREE ROOT PRUNING
-  TEMPORARY FENCE
-  TREE REMOVAL



FILE NAME = 8101-805-pr2.dwg	USER NAME = GW3	DESIGNED - KLB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING CONDITIONS/REMOVAL PLAN			FA. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 1:1	CHECKED - DJC	REVISED -		SCALE AS NOTED	SHEET NO. - OF - SHEETS	STA. - TO STA. -	3714	15-00100-00-PV	LAKE	50	8
	PLOT DATE = 01.10.15	DATE - -	REVISED -									
ILLINOIS FED. AID PROJECT												



REMOVAL LEGEND

- PAVEMENT REMOVAL
- SIDEWALK REMOVAL
- DRIVEWAY PAVEMENT REMOVAL
- CLEARING AND GRUBBING
- COMBINATION CURB AND GUTTER REMOVAL
- STRUCTURE TO BE ADJUSTED
- STRUCTURE TO BE REMOVED
- STRUCTURE TO BE ABANDONED
- UTILITY TO BE ABANDONED
- UTILITY TO BE REMOVED
- TREE ROOT PRUNING
- TEMPORARY FENCE
- TREE REMOVAL

FILE NAME =
8101-805-pr2.dwg

USER NAME = GW3
PLOT SCALE = 1:1
PLOT DATE = 01.10.15

DESIGNED - KLB
DRAWN - GW3
CHECKED - DJG
DATE - -

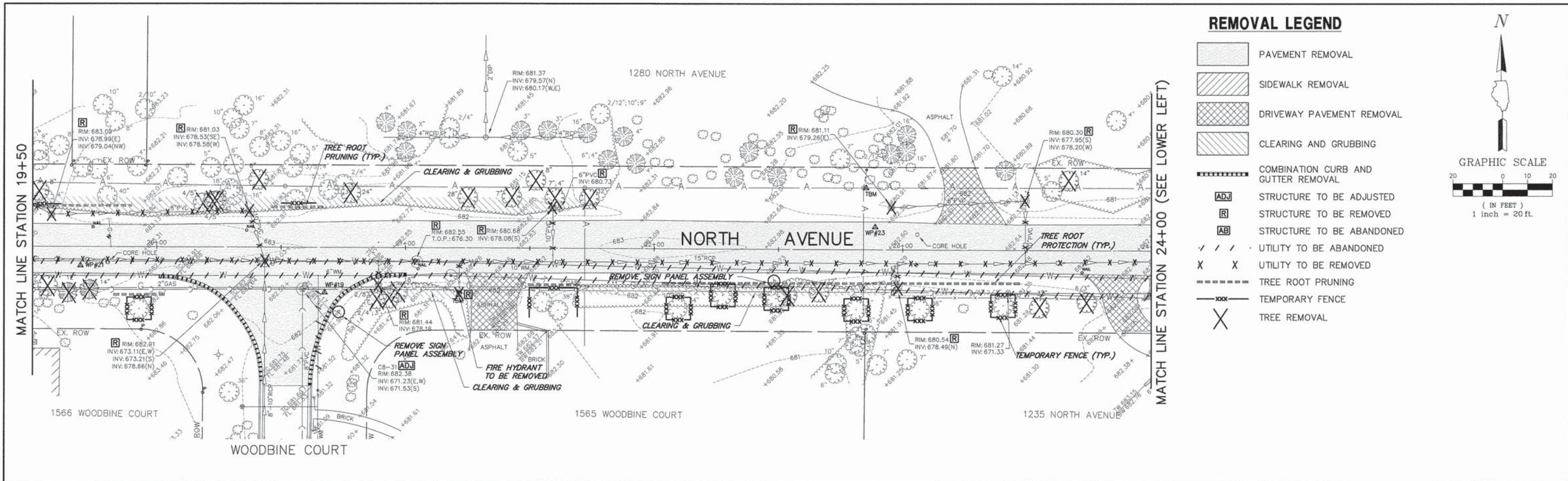
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

EXISTING CONDITIONS/REMOVAL PLAN

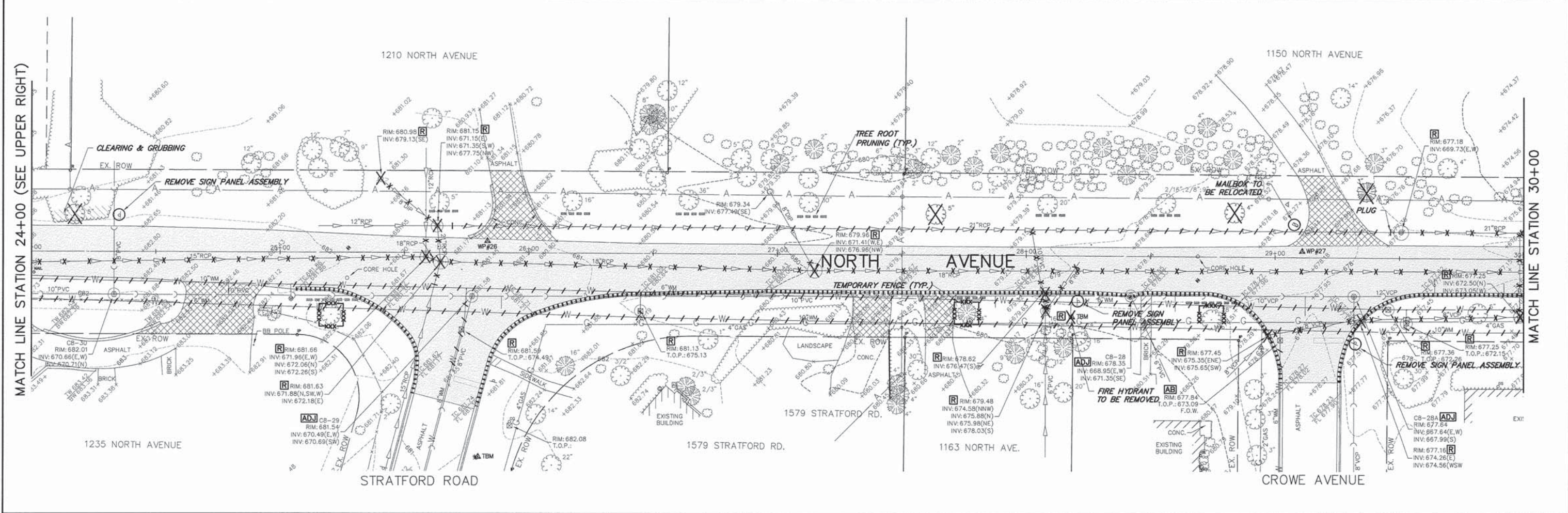
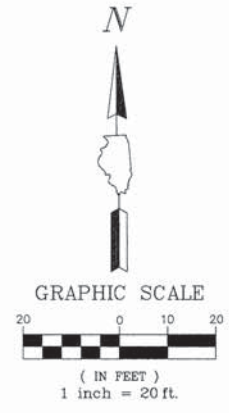
FA. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3714	15-00100-00-PV	LAKE	50	9
CONTRACT #			61C40	
ILLINOIS FED. AID PROJECT				

SCALE AS NOTED SHEET NO. - OF - SHEETS STA. - TO STA. -

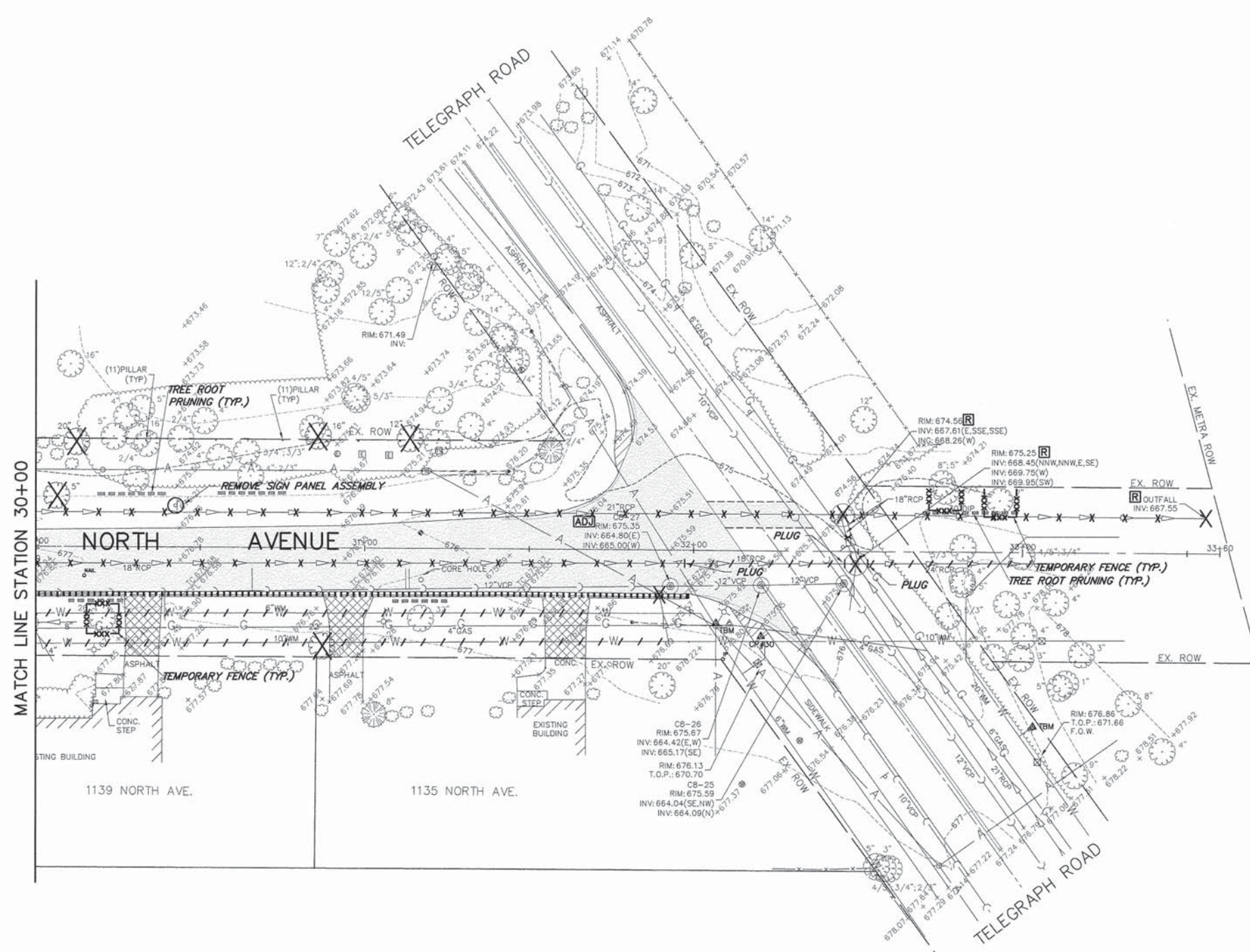
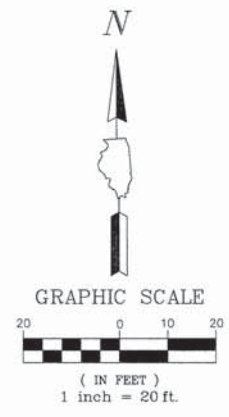


REMOVAL LEGEND

-  PAVEMENT REMOVAL
-  SIDEWALK REMOVAL
-  DRIVEWAY PAVEMENT REMOVAL
-  CLEARING AND GRUBBING
-  COMBINATION CURB AND GUTTER REMOVAL
-  STRUCTURE TO BE ADJUSTED
-  STRUCTURE TO BE REMOVED
-  STRUCTURE TO BE ABANDONED
-  UTILITY TO BE ABANDONED
-  UTILITY TO BE REMOVED
-  TREE ROOT PRUNING
-  TEMPORARY FENCE
-  TREE REMOVAL



FILE NAME = 8101-805-pr2.dwg	USER NAME = GW3	DESIGNED - KLB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING CONDITIONS/REMOVAL PLAN		FA. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 1:1	DRAWN - GW3	REVISED -				3714	15-00100-00-PV	LAKE	50	10
	PLOT DATE = 01.10.15	CHECKED - DJG	REVISED -		SCALE AS NOTED	SHEET NO. - OF - SHEETS	STA. -	TO STA. -	CONTRACT # 61C40		
		DATE - -	REVISED -						ILLINOIS FED. AID PROJECT		



- REMOVAL LEGEND**
- PAVEMENT REMOVAL
 - SIDEWALK REMOVAL
 - DRIVEWAY PAVEMENT REMOVAL
 - CLEARING AND GRUBBING
 - COMBINATION CURB AND GUTTER REMOVAL
 - STRUCTURE TO BE ADJUSTED
 - STRUCTURE TO BE REMOVED
 - STRUCTURE TO BE ABANDONED
 - UTILITY TO BE ABANDONED
 - UTILITY TO BE REMOVED
 - TREE ROOT PRUNING
 - TEMPORARY FENCE
 - TREE REMOVAL

FILE NAME = 8101-805-pr2.dwg

USER NAME = GW3
 PLOT SCALE = 1:1
 PLOT DATE = 01.10.15

DESIGNED - KLB
 DRAWN - GW3
 CHECKED - DJG
 DATE - -

REVISED -
 REVISED -
 REVISED -
 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

EXISTING CONDITIONS/REMOVAL PLAN
 SCALE AS NOTED SHEET NO. - OF - SHEETS STA. - TO STA. -

FA. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3714	15-00100-00-PV	LAKE	50	11
CONTRACT #				61C40
ILLINOIS FED. AID PROJECT				

DETOUR GENERAL NOTES

- ALL SIGNING SHALL BE IN ACCORDANCE WITH THE APPLICABLE PROVISIONS OF THE STATE OF ILLINOIS "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION ADOPTED JANUARY 1, 2012," "THE QUALITY STANDARD FOR WORK ZONE TRAFFIC CONTROL DEVICES ADOPTED 2010," "THE DETAILS IN THESE PLANS, THE LATEST EDITION OF THE STATE OF ILLINOIS "MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES", THE SPECIAL PROVISIONS FOR TRAFFIC CONTROL AND PROTECTION (LC-T-SECTION 700).
- THE ENGINEER SHALL BE NOTIFIED IN WRITING AT LEAST THREE WEEKS PRIOR TO THE DAY THE DETOUR IS TO BE IN EFFECT. THE ENGINEER SHALL DETERMINE THE HOUR OF CLOSURE. THE ENGINEER WILL CONTACT THE APPROPRIATE LOCAL AGENCIES AND INTERESTED PARTIES.
- IF DEEMED NECESSARY BY THE ENGINEER, A PRE-CONSTRUCTION MEETING WITH THE CONTRACTOR SHALL BE HELD AT LEAST TWO WEEKS PRIOR TO THE DAY THE DETOUR IS TO BE IN EFFECT.
- THE CONTRACTOR SHALL SUPPLY TO THE ENGINEER THE NAMES AND TELEPHONE NUMBERS OF HIS REPRESENTATIVES ON THE CONSTRUCTION SITE AND HIS REPRESENTATIVE RESPONSIBLE FOR THE DETOUR SIGNING PRIOR TO THE START OF THE WORK.
- IF REQUESTED BY THE CONTRACTOR IN WRITING AT LEAST THREE WEEKS PRIOR TO THE DAY THE DETOUR IS TO BE IN EFFECT, THE ENGINEER WILL FIELD LOCATE THE POSITIONS OF ANY SIGNS.
- LONGITUDINAL DIMENSIONS SHOWN ON THESE PLANS MAY BE ADJUSTED TO FIT FIELD CONDITIONS, WITH THE APPROVAL OF THE ENGINEER.
- THE ROAD SHALL NOT BE CLOSED UNTIL ALL SIGNING IS ERECTED IN ACCORDANCE WITH THE DETOUR PLAN AND INSPECTED AND APPROVED BY THE ENGINEER.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING THAT ALL BARRICADES, SIGNS, LIGHTS, AND OTHER DEVICES INSTALLED BY HIM ARE IN PLACE AND OPERATING 24 HOURS EACH DAY INCLUDING SUNDAYS AND HOLIDAYS DURING THE TIME THE DETOUR IS IN EFFECT.
- THE TRAFFIC CONTROL SHOWN ON THE DETOUR PLAN IS THE MINIMUM NECESSARY TO ENSURE THIS ROAD CLOSURE. THE CONTRACTOR SHALL MAKE ALL CHANGES IN TRAFFIC CONTROL THAT IS DEEMED NECESSARY BY THE ENGINEER, ADDITIONS AND DELETIONS OF TRAFFIC CONTROL FOR THIS DETOUR SHALL BE CONSIDERED INCIDENTAL TO THE PAY ITEM "TRAFFIC CONTROL AND PROTECTION".
- ALL EXISTING SIGNING THAT IS NOT APPLICABLE WHILE THE DETOUR IS IN EFFECT SHALL BE COMPLETELY COVERED BY THE CONTRACTOR, IN A MANNER APPROVED BY THE ENGINEER.
- ALL DETOUR SIGNING SHALL BE POST MOUNTED IF THE ROAD CLOSURE IS TO EXCEED FOUR (4) CALENDAR DAYS.
- ALL DETOUR SIGNING EXCEPT REGULATORY SIGNS SHALL HAVE BLACK LEGENDS ON FLUORESCENT ORANGE SHEETING AND STANDARD BLACK BORDERS. THE FLUORESCENT ORANGE REFLECTIVE SHEETING SHALL MEET THE REQUIREMENTS OF SECTION 1091 OF THE STANDARD SPECIFICATIONS. ALL DETOUR SIGNING SHALL BE NEW OR LIKE NEW CONDITION. THE ENGINEER SHALL BE THE SOLE JUDGE OF THE CONDITION OF THE SIGNS.
- THE SIZES OF ALL SIGNS NOT SPECIFIED IN THESE PLANS SHALL BE AS REQUIRED BY THE ILLINOIS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
- AS A MINIMUM, ALL AMBER FLASHING LIGHTS THAT ARE REQUIRED FOR THIS DETOUR SHALL MEET THE REQUIREMENTS FOR TYPE A-LOW INTENSITY FLASHING LIGHTS IN ARTICLE 1106.02 OF THE STANDARD SPECIFICATIONS. ALL LIGHTS SHALL OPERATE DURING THE HOURS OF DARKNESS, ONLY LIGHTS THAT HAVE BEEN APPROVED BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION SHALL BE USED.
- ALL BARRICADES SHALL HAVE REFLECTORIZED STRIPING ON BOTH SIDES OF THE BARRICADES. THE TYPE III BARRICADES USED AT THE POINT OF CLOSURE TO THRU TRAFFIC SHALL NOT EXCEED 8 FEET IN WIDTH EACH, FOR A SINGLE APPROACH LANE.
- THE "ROAD CLOSED" (R11-2), THE "ROAD CLOSED XX MILES AHEAD LOCAL TRAFFIC ONLY" (R11-3) AND THE "ROAD CLOSED TO THRU TRAFFIC" (R11-4) SIGNS SHALL BE MOUNTED ABOVE THE TOP OF THE BARRICADE. ALL TYPE III BARRICADES SHALL HAVE TWO (2) AMBER TYPE A-LOW INTENSITY FLASHING LIGHTS SPACED NEAR THE CENTERLINE OF THE SUPPORTS.
- THE ROAD NAME SIGN SHALL HAVE A BLACK LEGEND ON FLUORESCENT ORANGE REFLECTIVE SHEETING. THE SIGN BLANK SHALL BE A 9" X VARIABLE OR A 12" X VARIABLE WITH DESIGN SERIES C LETTERS. THE CAPITAL LETTERS SHALL BE 6" WITH 5" LOWER CASE.
- DURING NON-WORKING HOURS AT THE POINT OF ROAD CLOSURE TO ALL TRAFFIC, THE CONTRACTOR SHALL PROVIDE A MEANS TO RESTRAIN THE BARRICADES FROM EASY MOVEMENT BY VANDALS. THE CHOSEN METHOD SHALL BE APPROVED BY THE ENGINEER.
- CONSTRUCTION EQUIPMENT SHALL NOT BE PARKED IMMEDIATELY BEHIND THE TYPE III BARRICADES DURING NON-WORKING HOURS. IN ANY EVENT, ARTICLE 701.04 OF THE STANDARD SPECIFICATIONS SHALL APPLY.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE VISIBILITY OF ALL DETOUR AND CONSTRUCTION SIGNING, INCLUDING BRUSHING BACK VEGETATION IF DEEMED NECESSARY BY THE ENGINEER.
- THE FOLLOWING ILLINOIS DEPARTMENT OF TRANSPORTATION STANDARD IS APPLICABLE FOR THIS WORK.

STANDARD 701901

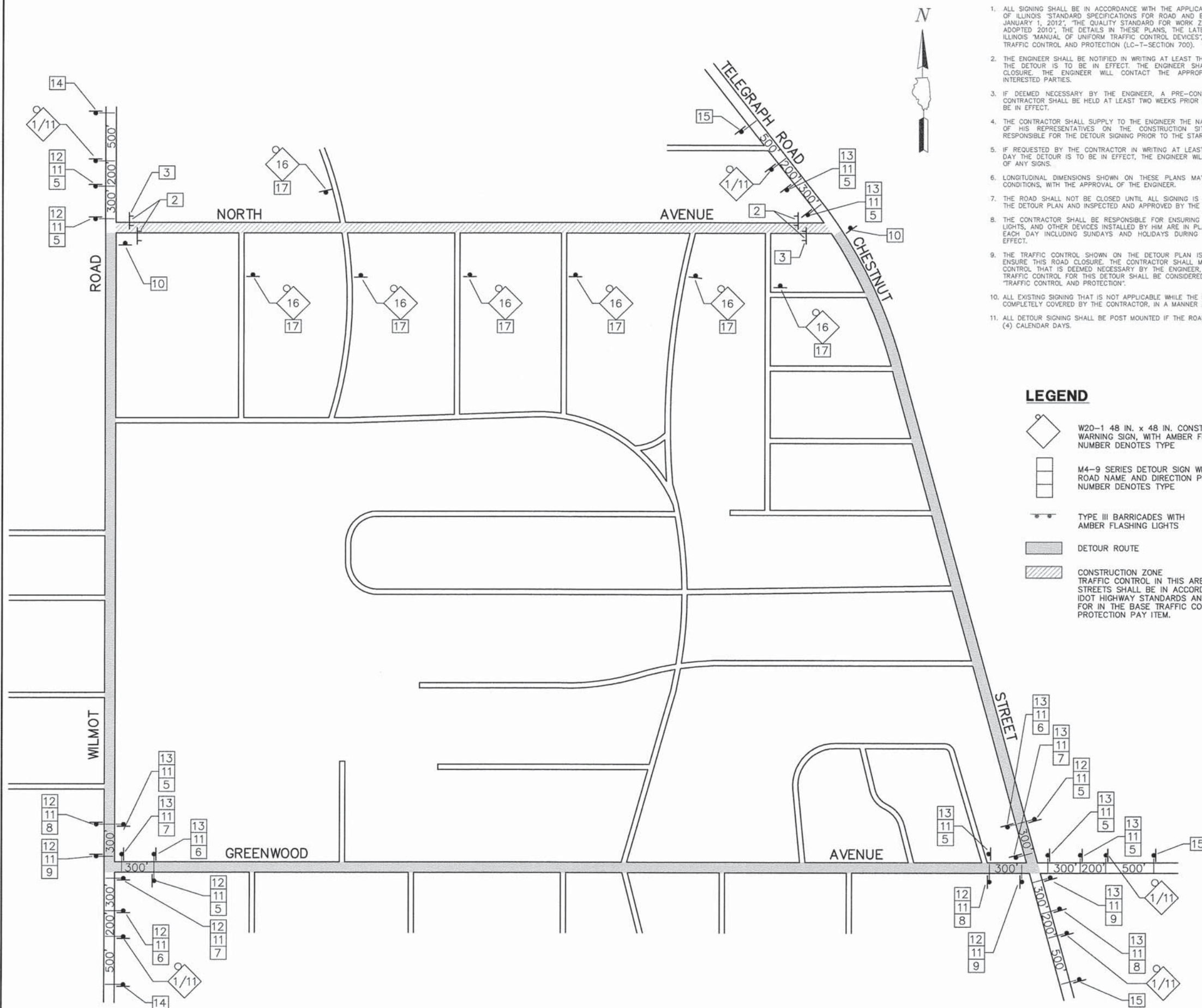
- THE ENGINEER SHALL BE NOTIFIED AT LEAST TWO (2) HOURS BEFORE THE ROAD IS TO BE OPENED TO TRAFFIC. THE ENGINEER WILL CONTACT THE APPROPRIATE LOCAL AGENCIES AND INTERESTED PARTIES.

LEGEND

- W20-1 48 IN. x 48 IN. CONSTRUCTION WARNING SIGN, WITH AMBER FLASHING LIGHT. NUMBER DENOTES TYPE
- M4-9 SERIES DETOUR SIGN WITH ROAD NAME AND DIRECTION PLATES. NUMBER DENOTES TYPE
- TYPE III BARRICADES WITH AMBER FLASHING LIGHTS
- DETOUR ROUTE
- CONSTRUCTION ZONE TRAFFIC CONTROL IN THIS AREA AND ON SIDE STREETS SHALL BE IN ACCORDANCE WITH IDOT HIGHWAY STANDARDS AND SHALL BE PAID FOR IN THE BASE TRAFFIC CONTROL AND PROTECTION PAY ITEM.

SIGN LEGEND

SIGN NO.	SIGN TYPE	DESCRIPTION
1		W20-2 (0) 48
2		R11-4 6030
3		M4-10R (0) 4818
4		M4-10L (0) 4818
5		M4-9 (0) 3021
6		M4-9R (0) 3021
7		M4-9R (0) 3021
8		M4-9L (0) 3021
9		M4-9L (0) 3021
10		M4-8a (0) 2418
11		SPECIAL (0)9 VARIABLE
12		M3-2 (0) 2412
13		M3-4 (0) 2412
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16		W20-1 (0) 4848
17		M6-4 (0) 2115



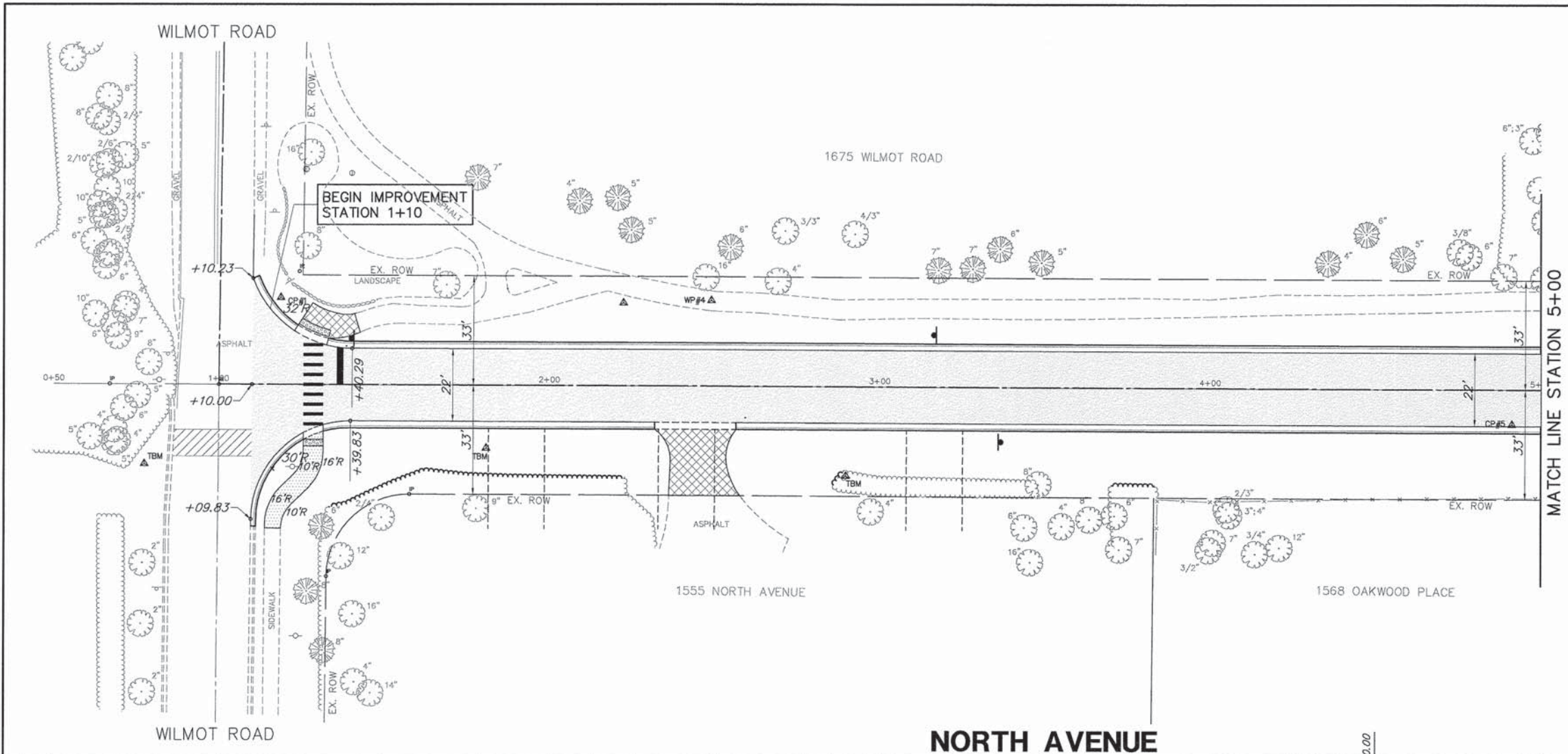
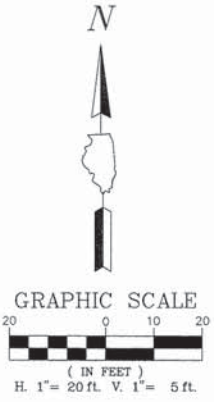
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DRAWN - GW3	REVISED -
CHECKED - DJG	REVISED -
DATE -	REVISED -

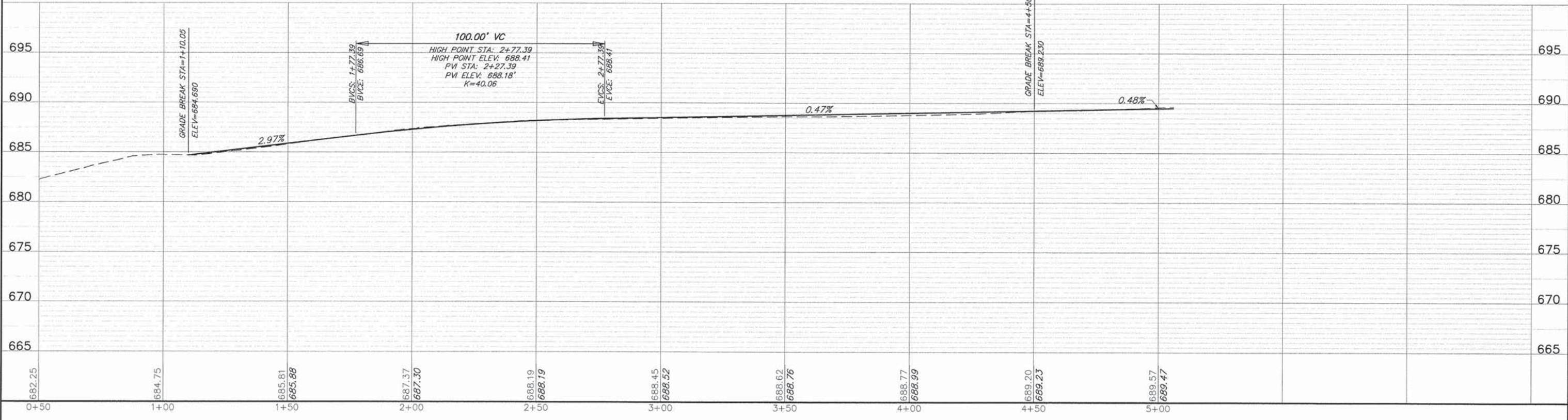
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETOUR PLAN
 SCALE N.T.S. SHEET NO. -- OF -- SHEETS STA. -- TO STA. --

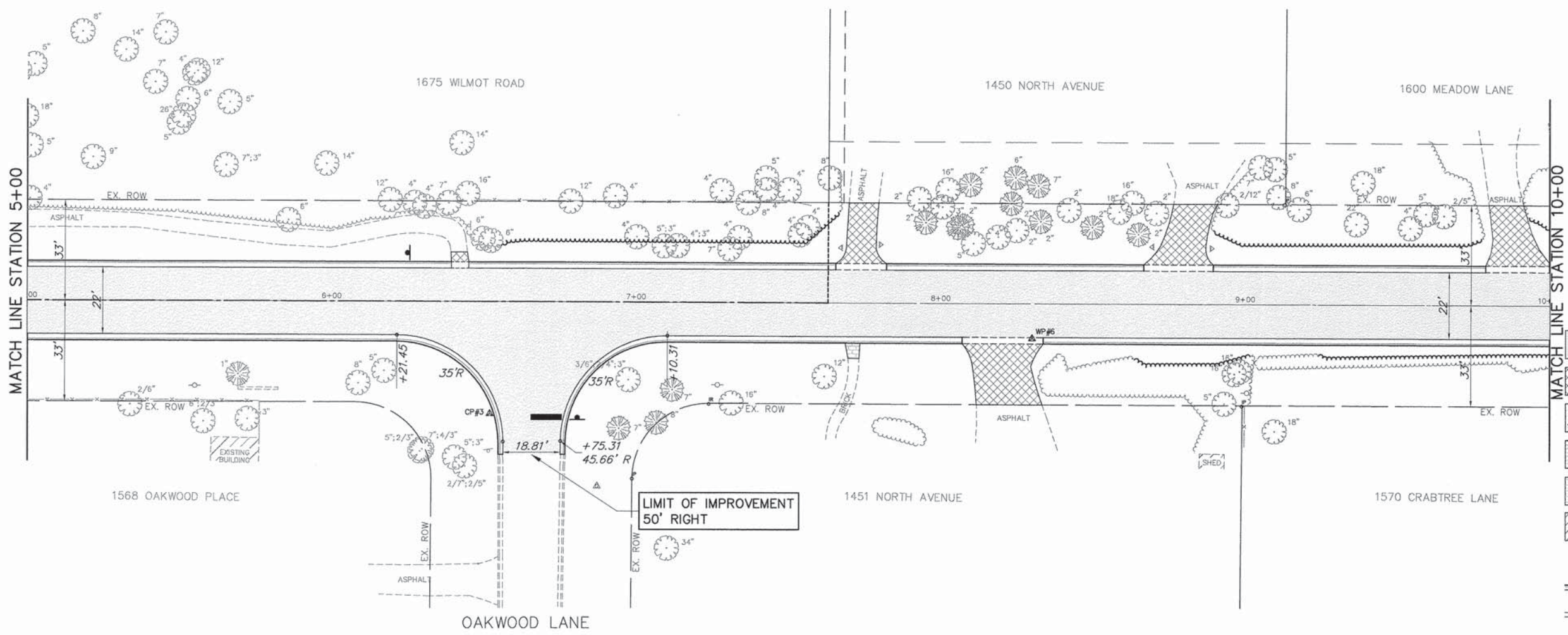
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3714	15-00100-00-PV	LAKE	50	12
CONTRACT # 61C40				
ILLINOIS FED. AID PROJECT				



- PROPOSED LEGEND**
- HOT-MIX ASPHALT PAVEMENT (SEE TYPICAL)
 - HMA DRIVEWAY PAVEMENT, 6 INCH
 - PCC DRIVEWAY
 - BRICK PAVER DRIVEWAY
 - PCC SIDEWALK, 5"
 - CLASS D PATCH, 9 INCH
 - DETECTABLE WARNINGS
 - M4.18 CURB & GUTTER (REGULAR)
 - M4.18 CURB & GUTTER (DEPRESSED)



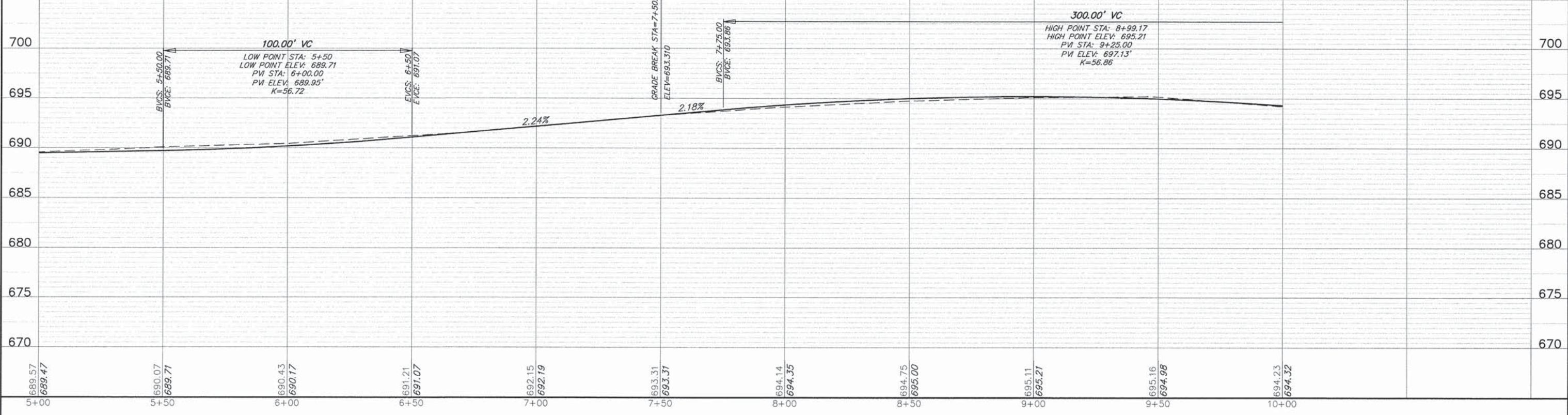
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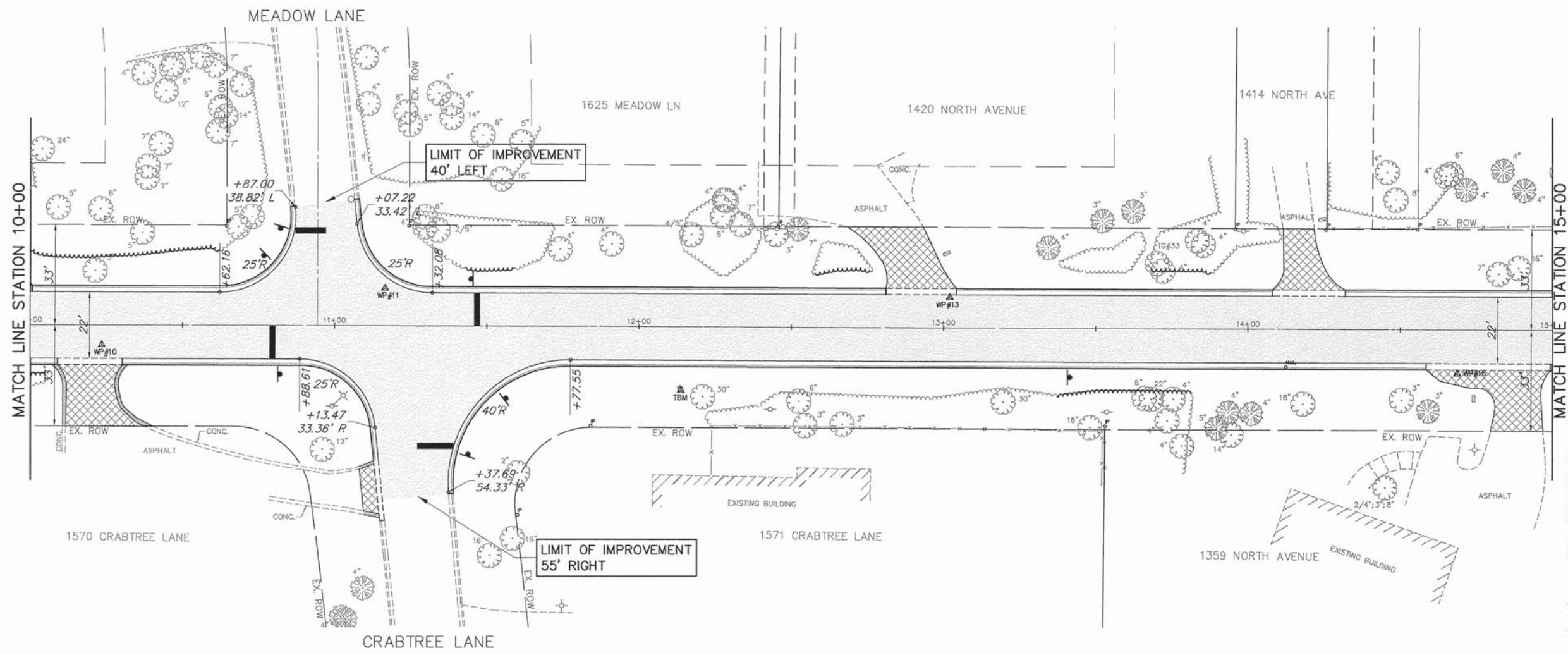
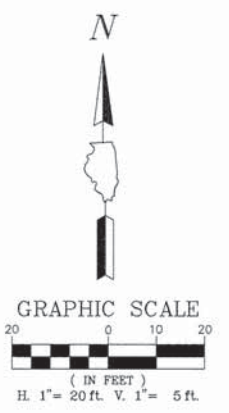
PROPOSED LEGEND

	HOT-MIX ASPHALT PAVEMENT (SEE TYPICAL)
	HMA DRIVEWAY PAVEMENT, 6 INCH
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	BRICK PAVER DRIVEWAY
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	M4.18 CURB & GUTTER (REGULAR)
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NORTH AVENUE



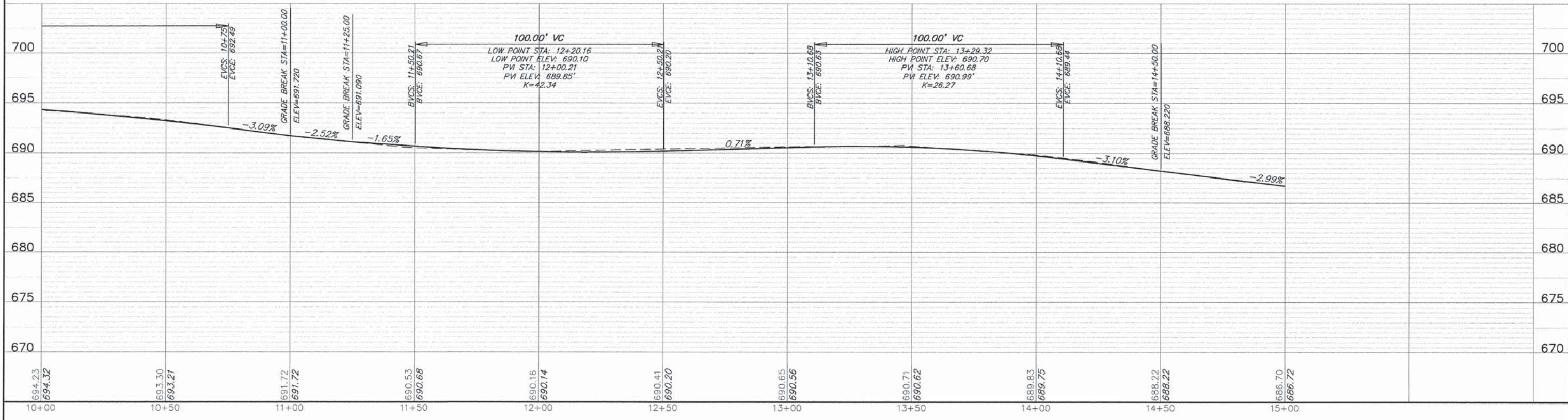
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		DATE -	REVISED -									



PROPOSED LEGEND

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NORTH AVENUE



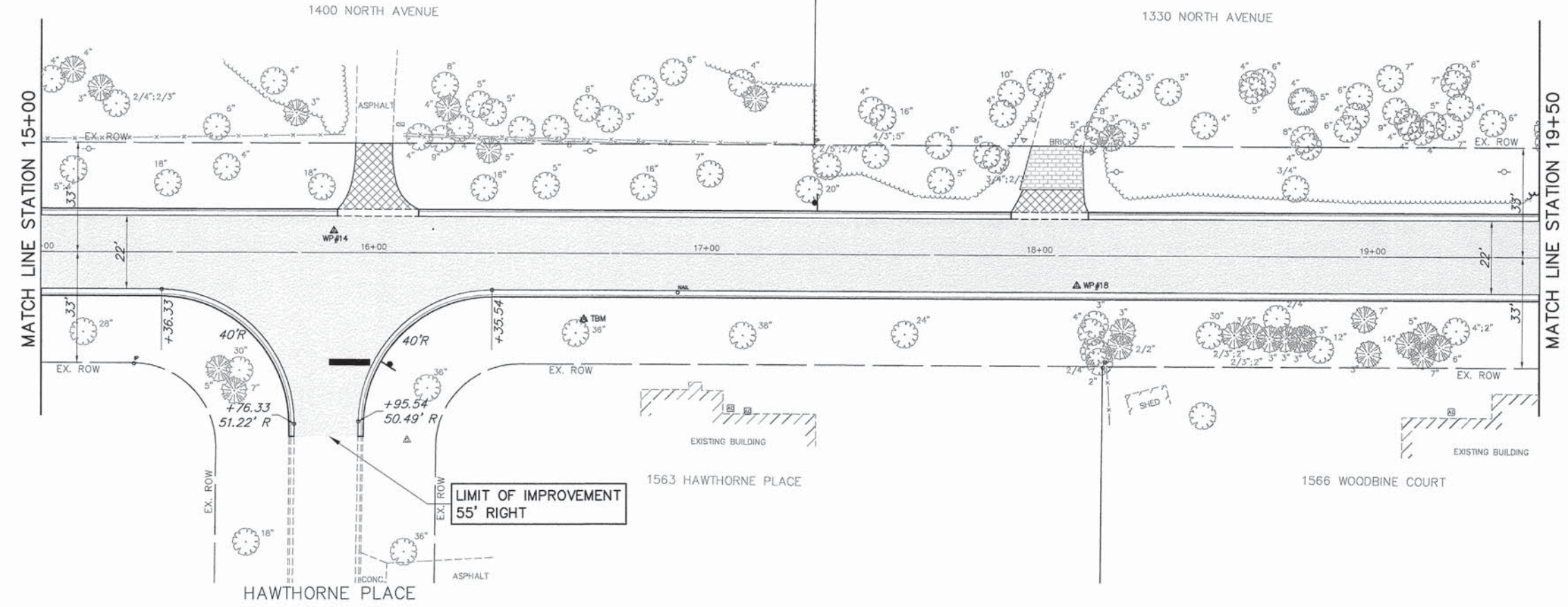
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REVISIONS	

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DATE =		REVISIONS	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PLAN & PROFILE	
SCALE AS NOTED	SHEET NO. - OF - SHEETS
STA. -	TO STA. -

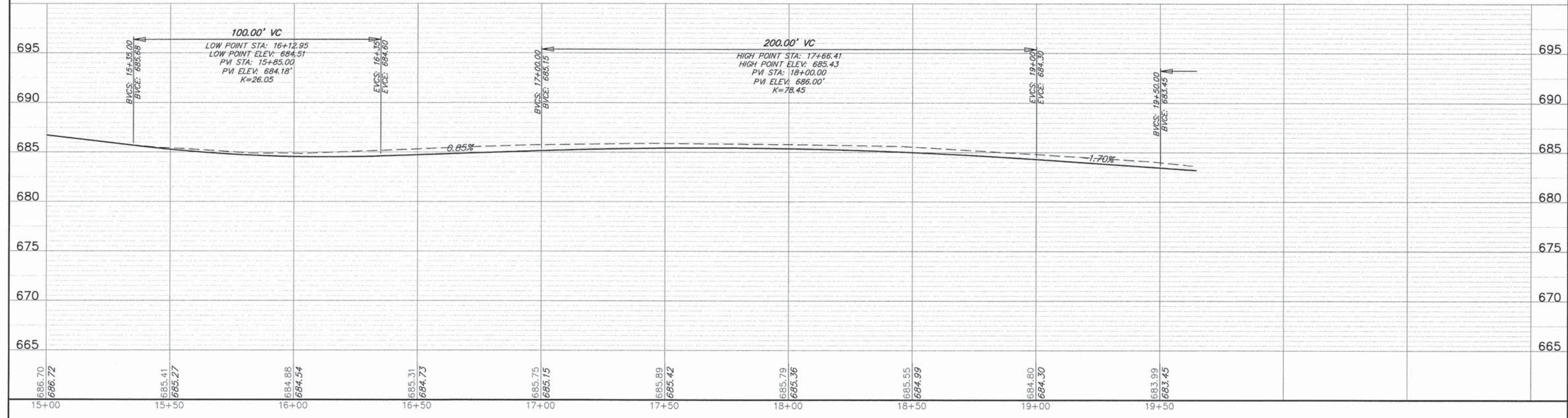
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CONTRACT #			61C40	
ILLINOIS FED. AID PROJECT				



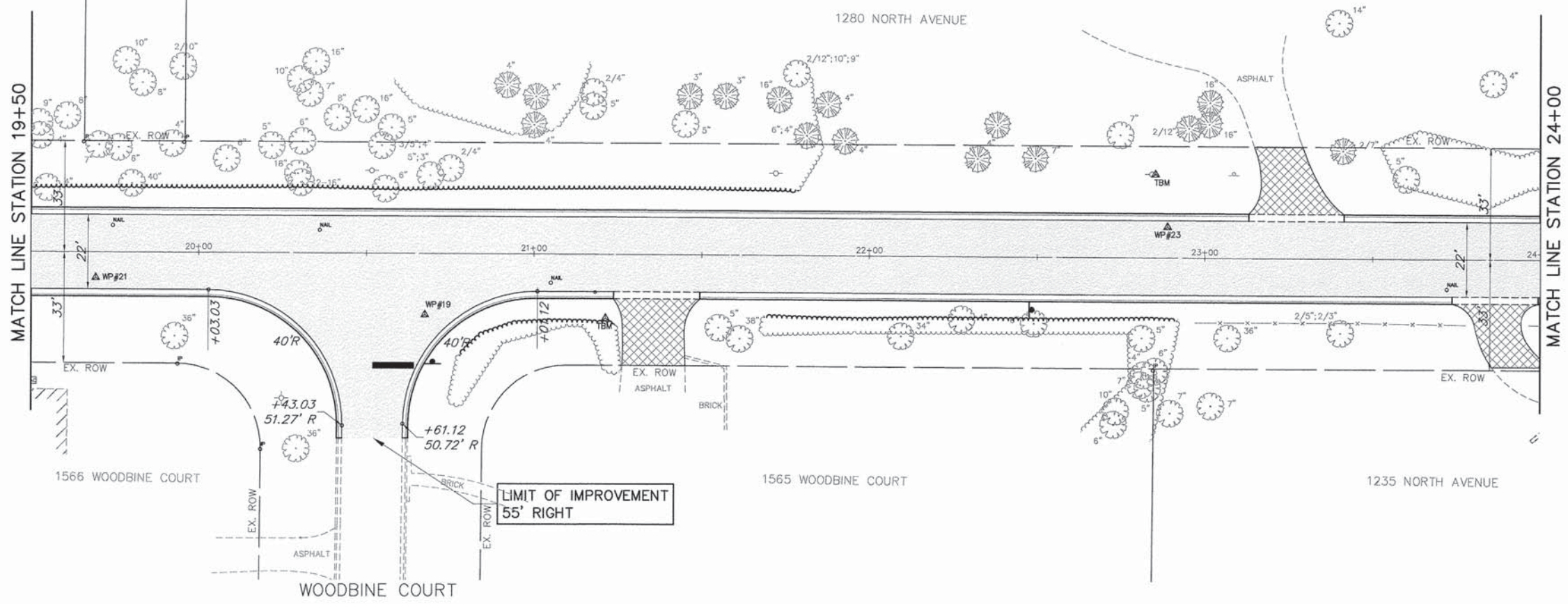
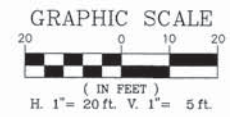
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NORTH AVENUE



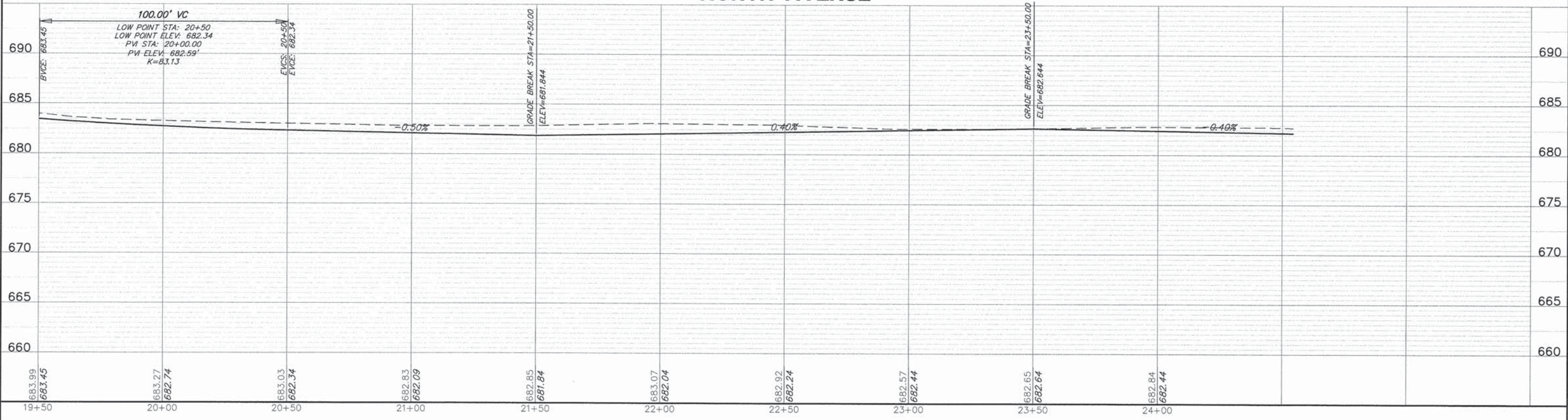
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		DATE - -	REVISED -									



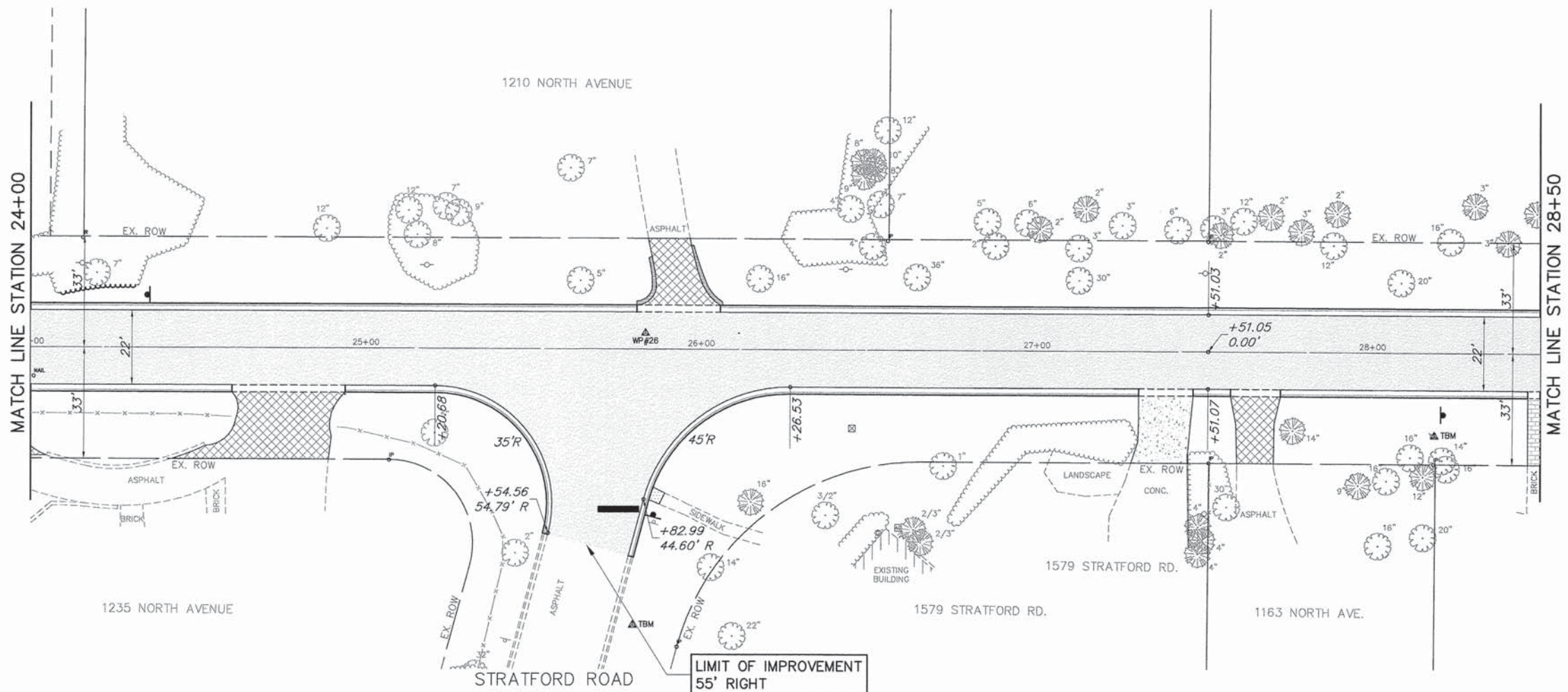
PROPOSED LEGEND

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- DETECTABLE WARNINGS
- M4.18 CURB & GUTTER (REGULAR)
- M4.18 CURB & GUTTER (DEPRESSED)

NORTH AVENUE



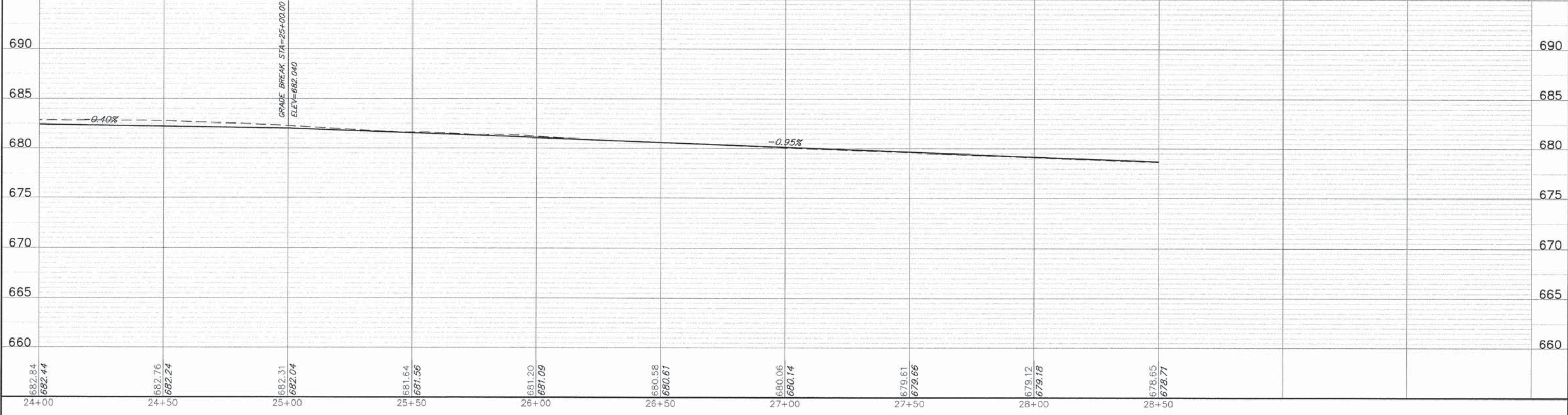
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	PLOT DATE = 01.10.15	CHECKED - DJG	REVISED -					CONTRACT # 61C40				
ILLINOIS FED. AID PROJECT												



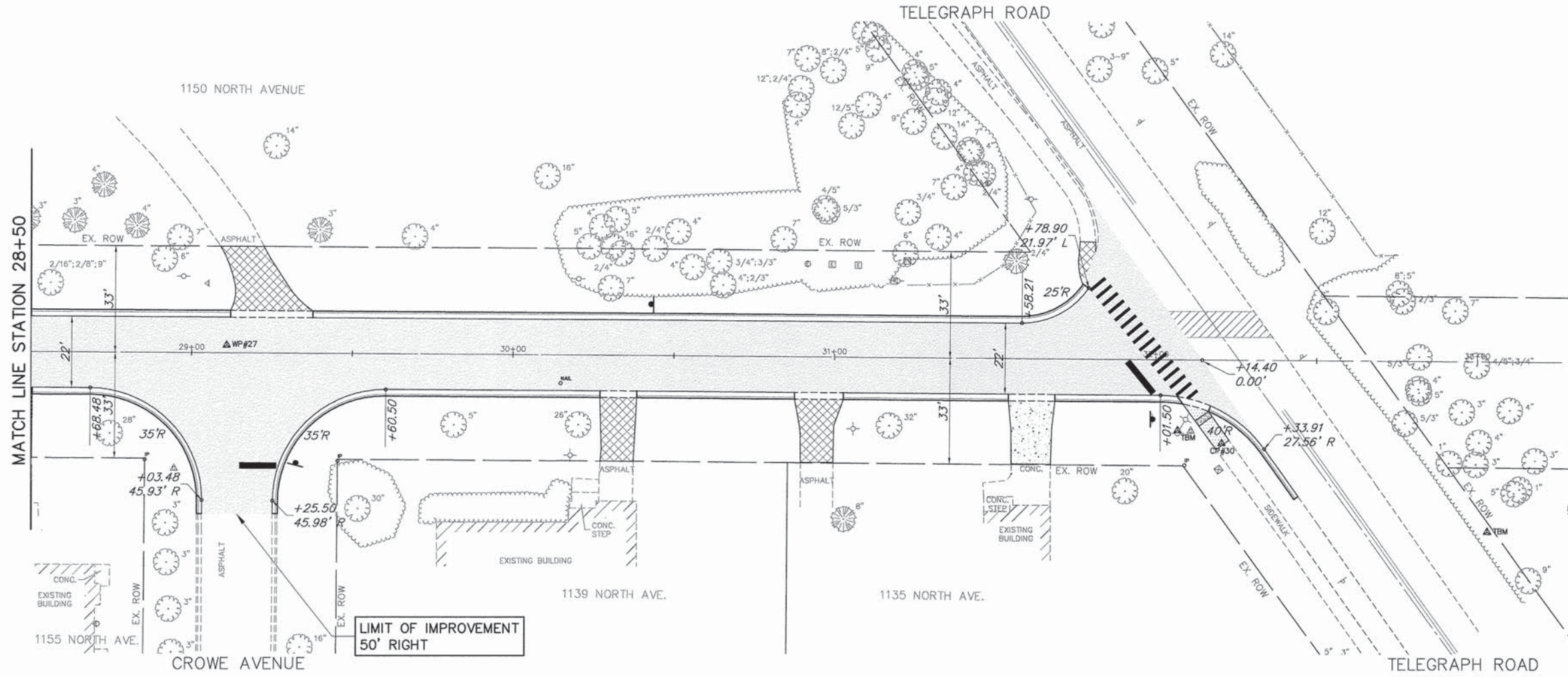
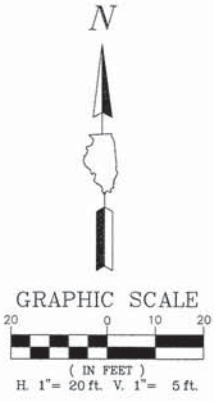
PROPOSED LEGEND

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- HMA DRIVEWAY PAVEMENT, 6 INCH
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- M4.18 CURB & GUTTER (DEPRESSED)

NORTH AVENUE

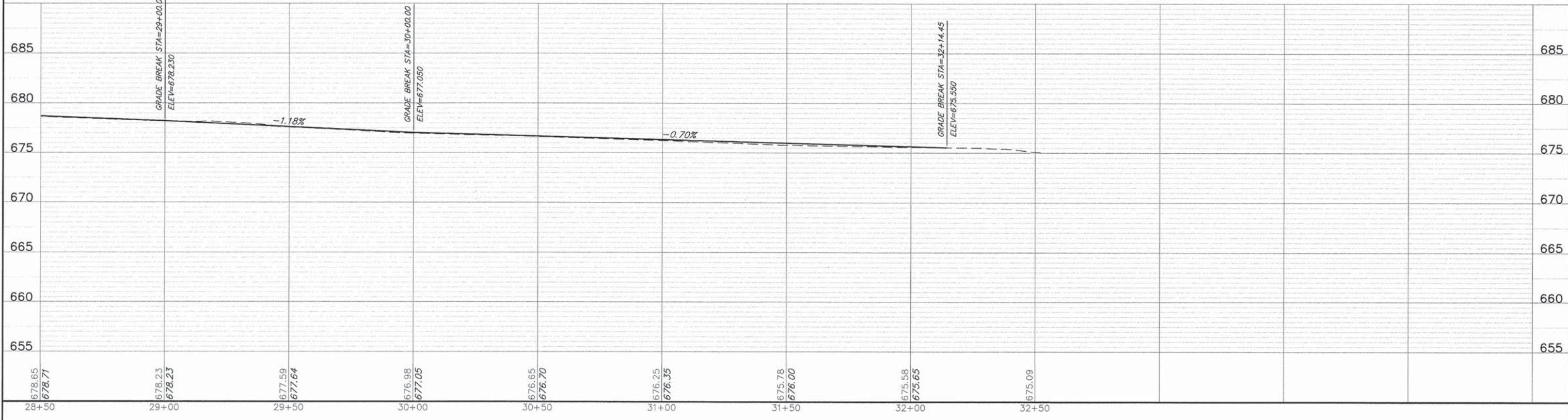


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	PLOT DATE = 01.10.15	CHECKED - DJG	REVISED -		ILLINOIS FED. AID PROJECT							
		DATE -	REVISED -									



- PROPOSED LEGEND**
- HOT-MIX ASPHALT PAVEMENT (SEE TYPICAL)
 - HMA DRIVEWAY PAVEMENT, 6 INCH
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 - DETECTABLE WARNINGS
 - M4.18 CURB & GUTTER (REGULAR)
 - M4.18 CURB & GUTTER (DEPRESSED)

NORTH AVENUE



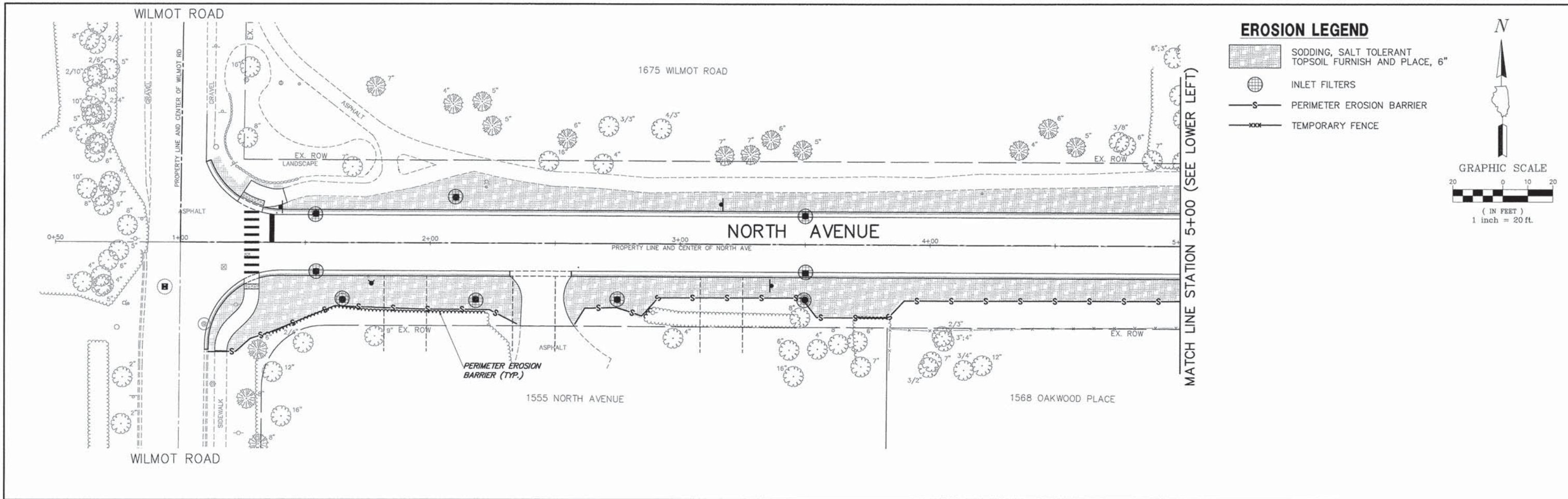
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DATE -	REVISED -

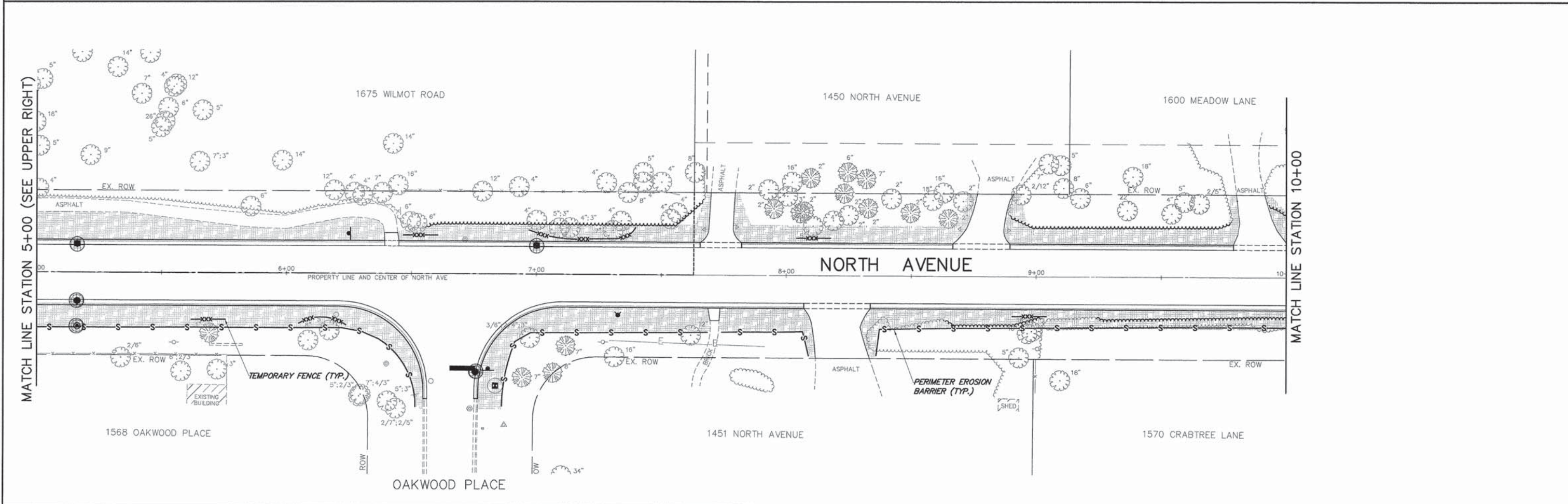
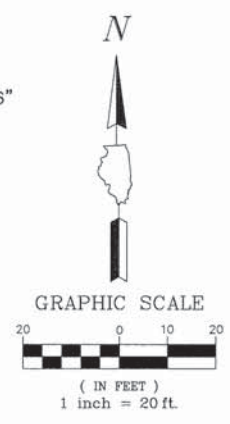
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

PLAN & PROFILE
 SCALE AS NOTED SHEET NO. - OF - SHEETS STA. - TO STA. -

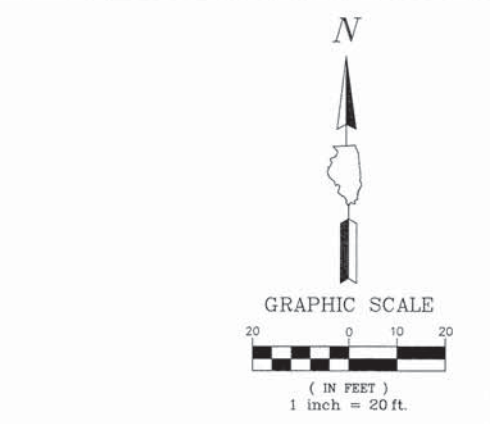
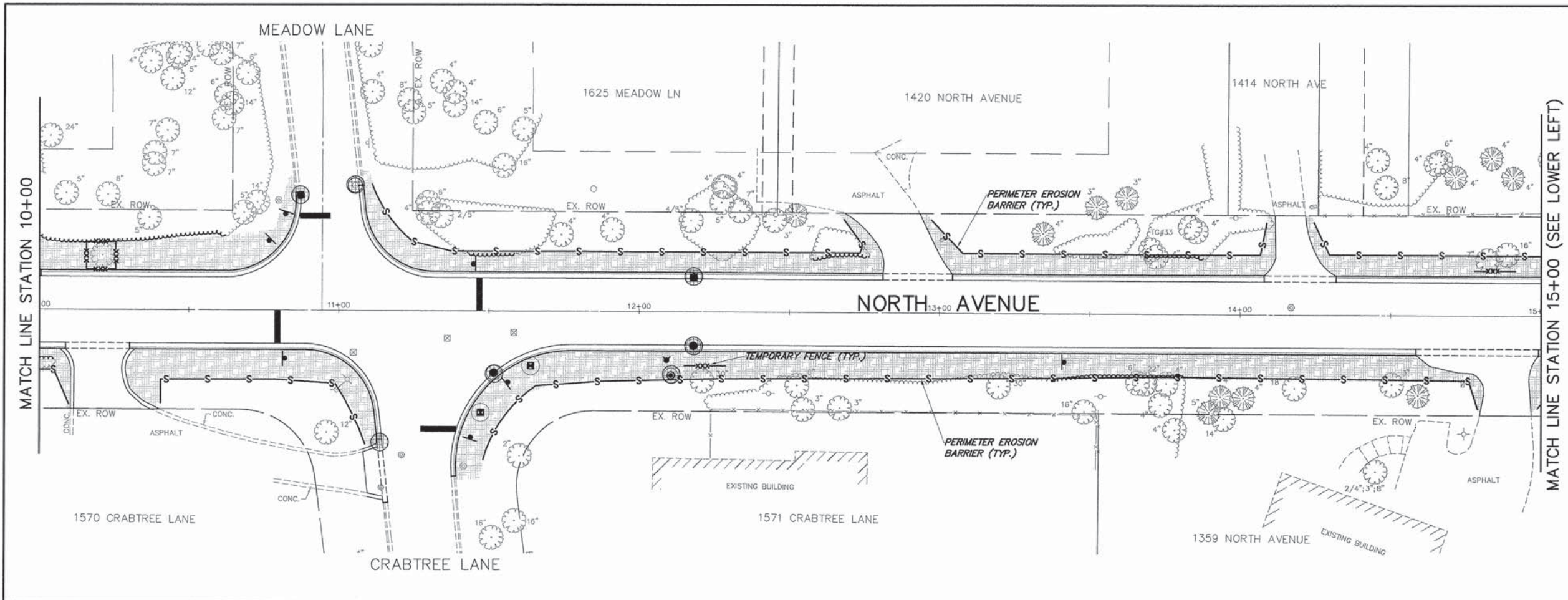
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3714	15-00100-00-PV	LAKE	50	19
CONTRACT #			61C40	
ILLINOIS FED. AID PROJECT				







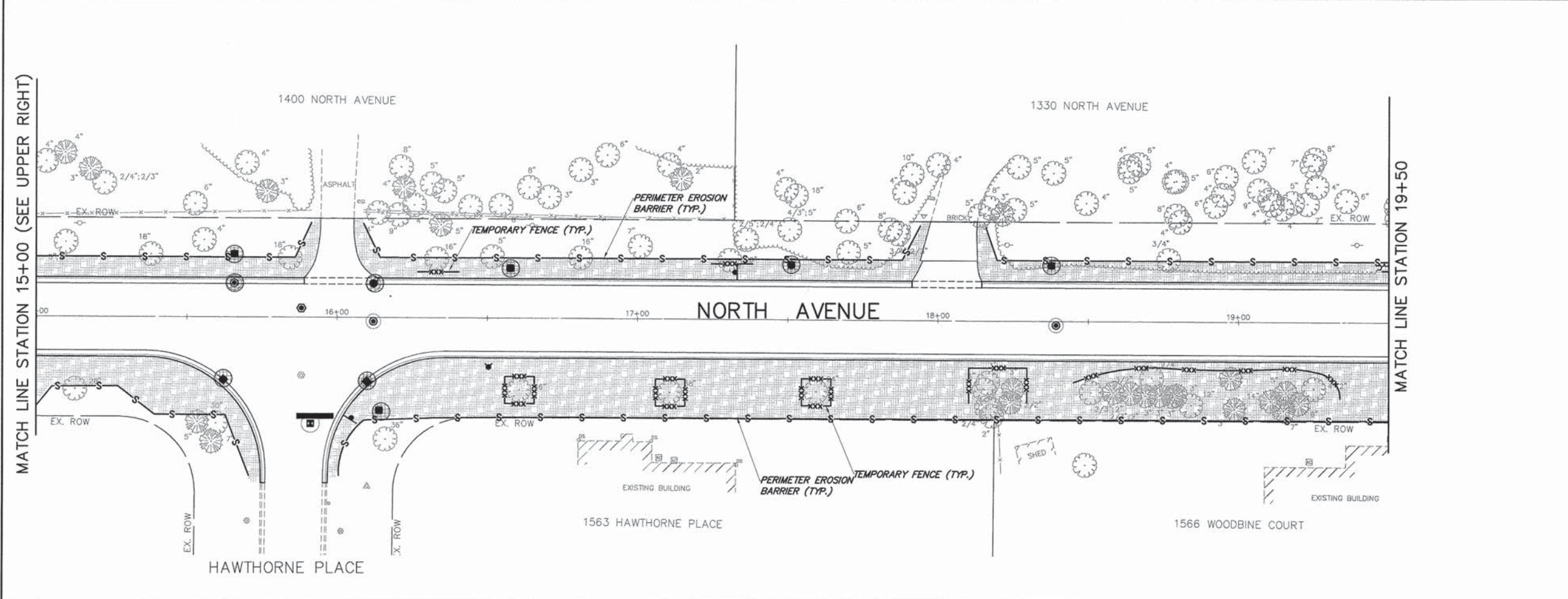
- EROSION LEGEND**
- SODDING, SALT TOLERANT TOPSOIL FURNISH AND PLACE, 6"
 - INLET FILTERS
 - PERIMETER EROSION BARRIER
 - TEMPORARY FENCE



FILE NAME = 8101-805-pr1.dwg	USER NAME = GW3	DESIGNED - KLB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SOIL EROSION AND SEDIMENT CONTROL PLAN			FA. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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	PLOT DATE = 01.10.15	CHECKED - DJG	REVISED -					CONTRACT # 61C40				
	DATE -	REVISED -		SCALE AS NOTED	SHEET NO. - OF - SHEETS	STA. - TO STA. -	ILLINOIS FED. AID PROJECT					



- EROSION LEGEND**
-  SODDING, SALT TOLERANT TOPSOIL FURNISH AND PLACE, 6"
 -  INLET FILTERS
 -  PERIMETER EROSION BARRIER
 -  TEMPORARY FENCE



FILE NAME = 8101-805-pr1.dwg
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 PLOT DATE = 01.10.15

DESIGNED - KLB	REVISED -
DRAWN - GW3	REVISED -
CHECKED - DJG	REVISED -
DATE -	REVISED -





**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

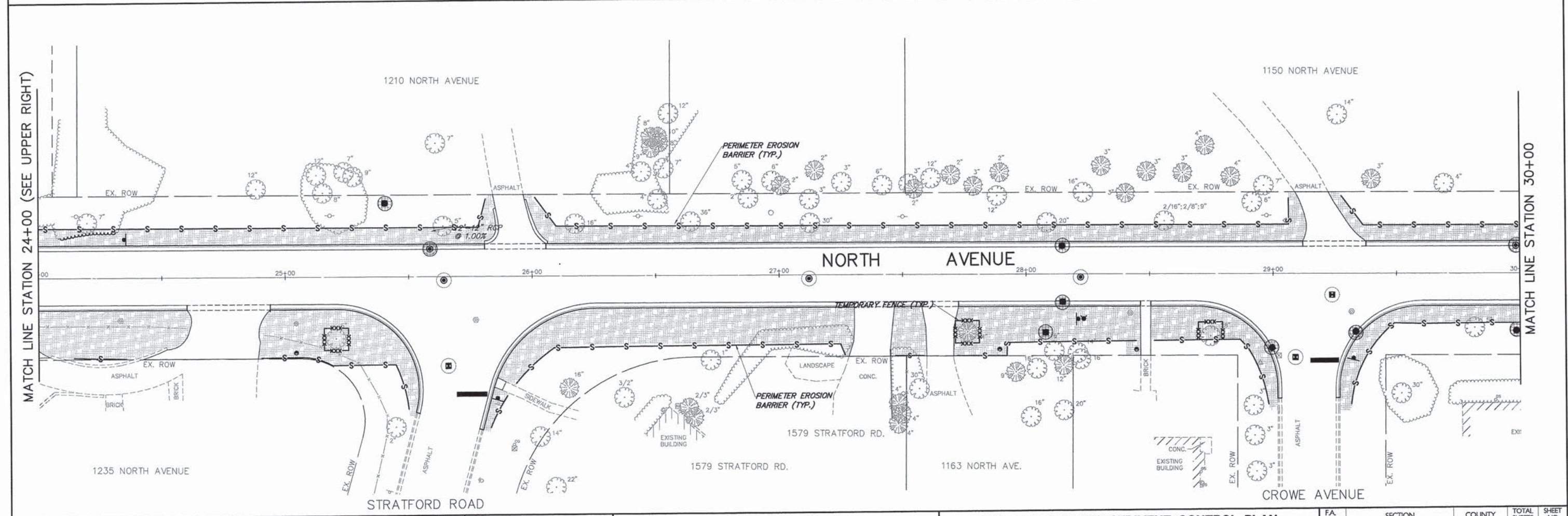
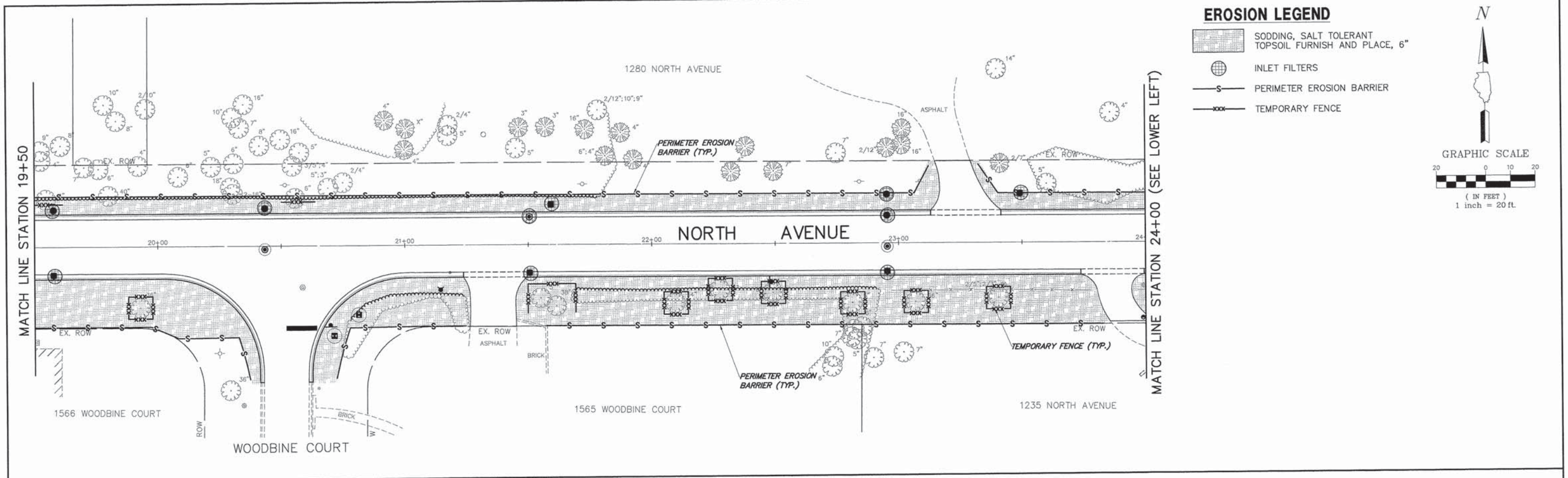
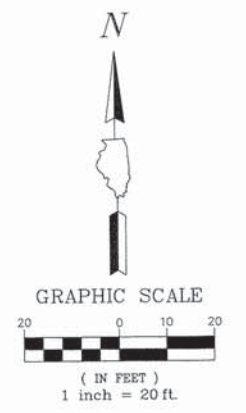
SOIL EROSION AND SEDIMENT CONTROL PLAN

SCALE AS NOTED SHEET NO. - OF - SHEETS STA. - TO STA. -

FA. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3714	15-00100-00-PV	LAKE	50	21
CONTRACT #: 61C40				
ILLINOIS FED. AID PROJECT				

EROSION LEGEND

-  SODDING, SALT TOLERANT TOPSOIL FURNISH AND PLACE, 6"
-  INLET FILTERS
-  PERIMETER EROSION BARRIER (TYP.)
-  TEMPORARY FENCE



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 DATE - -

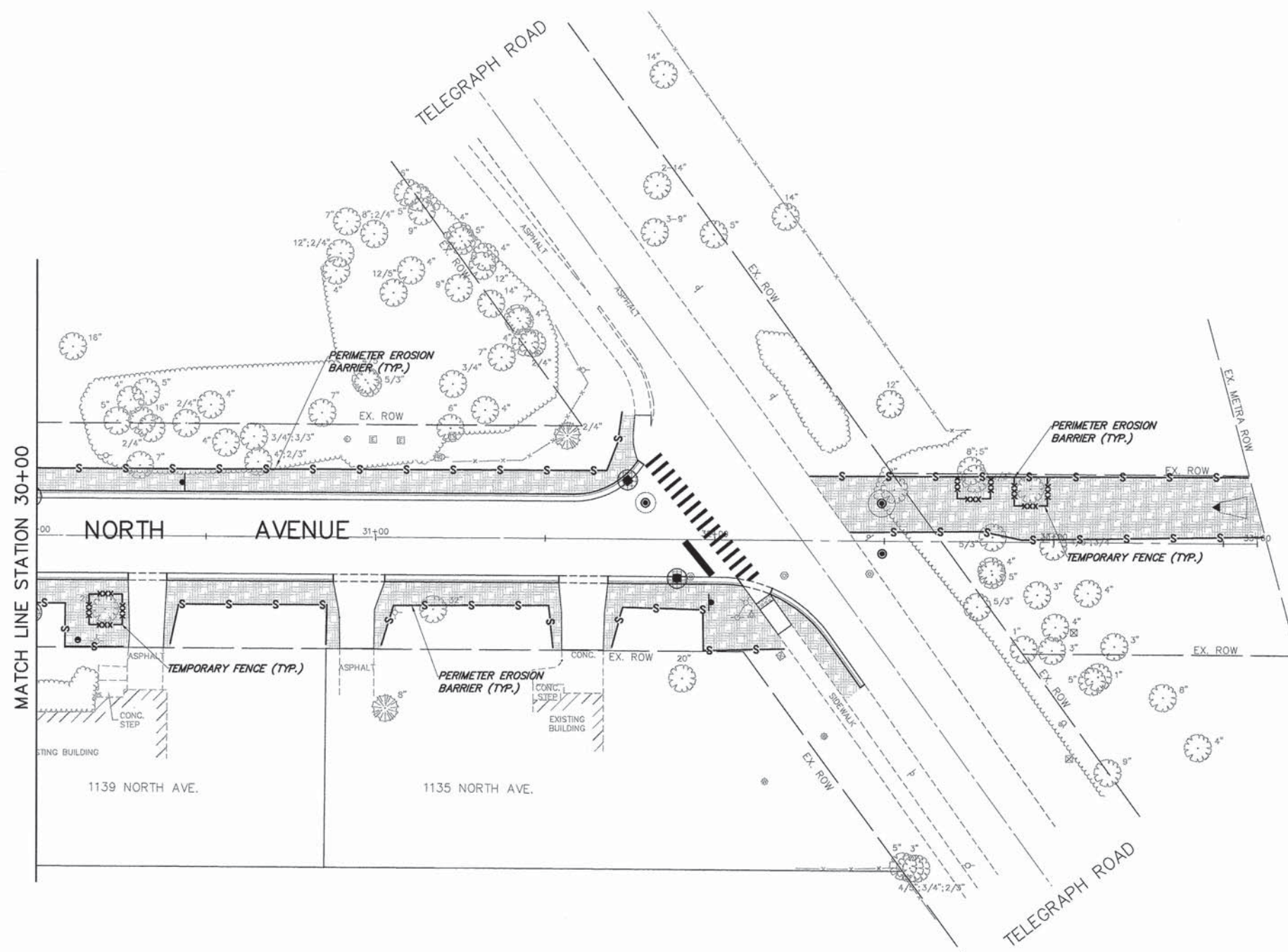
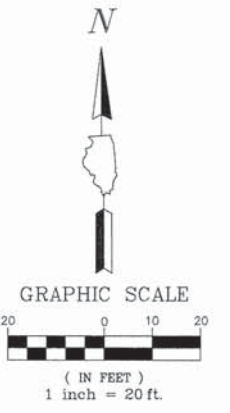
REVISED -
 REVISED -
 REVISED -
 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**





SOIL EROSION AND SEDIMENT CONTROL PLAN

SCALE AS NOTED | SHEET NO. - OF - SHEETS | STA. - TO STA. -

FA. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3714	15-00100-00-PV	LAKE	50	22
				CONTRACT #: 61C40
ILLINOIS FED. AID PROJECT				



EROSION LEGEND

-  SODDING, SALT TOLERANT TOPSOIL FURNISH AND PLACE, 6"
-  INLET FILTERS
-  PERIMETER EROSION BARRIER
-  TEMPORARY FENCE

FILE NAME = 8101-805-pr2.dwg
 USER NAME = GW3
 PLOT SCALE = 1:1
 PLOT DATE = 01.10.15

DESIGNED - KLB
 DRAWN - GW3
 CHECKED - DJG
 DATE - -

REVISED -
 REVISED -
 REVISED -
 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SOIL EROSION AND SEDIMENT CONTROL PLAN

SCALE AS NOTED SHEET NO. - OF - SHEETS STA. - TO STA. -

FA. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3714	15-00100-00-PV	LAKE	50	23
CONTRACT #:			61C40	
ILLINOIS FED. AID PROJECT				

WHERE CALLED FOR ON THE PLANS, STORM SEWER, WATER MAIN QUALITY PIPE, SHALL CONSIST OF THE FOLLOWING:

PIPE: PVC AWWA C900 DR 25
 JOINT: ASTM D-3139
 GASKET: ASTM F-477

STORM STRUCTURE TABLE

SS#1 CB TY A 4' DIA.
 TY 8 GRATE
 RIM: 685.92
 INV: 681.19 (W)
 INV: 681.19 (E)
 INV: 681.98 (NW)

SS#11 INL TY A
 TY 23 GRATE
 RIM: 685.75
 INV: 684.06 (E)
 INV: 684.06 (NW)

SS#2 INL TY A
 TY 23 GRATE
 RIM: 685.76
 INV: 682.29 (SE)

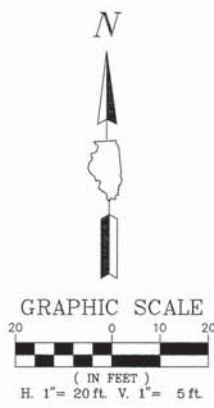
SS#3 INL TY A
 TY 8 GRATE
 RIM: 687.29
 INV: 681.72 (W)
 INV: 681.72 (E)

SS#4 INL TY A
 TY 8 GRATE
 RIM: 687.40
 INV: 682.29 (W)
 INV: 682.29 (E)

SS#5 CB TY A 4' DIA.
 TY 8 GRATE
 RIM: 687.30
 INV: 683.04 (W)
 INV: 683.04 (E)
 INV: 685.59 (N)

SS#6 INL TY A
 TY 23 GRATE
 RIM: 688.51
 INV: 685.80 (S)
 INV: 685.80 (N)

SS#7 INL TY A
 TY 23 GRATE
 RIM: 688.51
 INV: 686.04 (S)



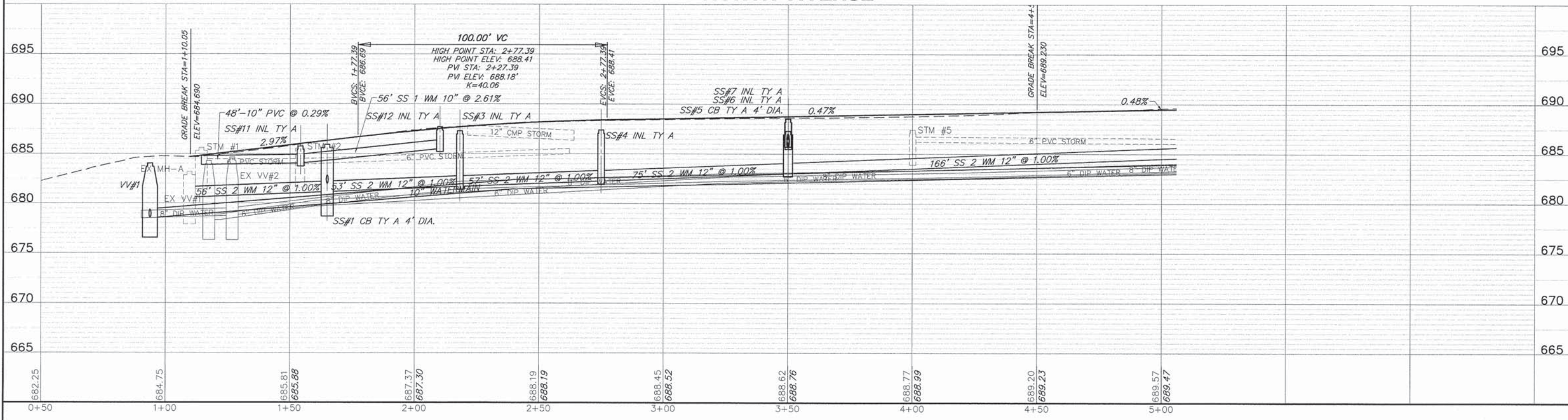
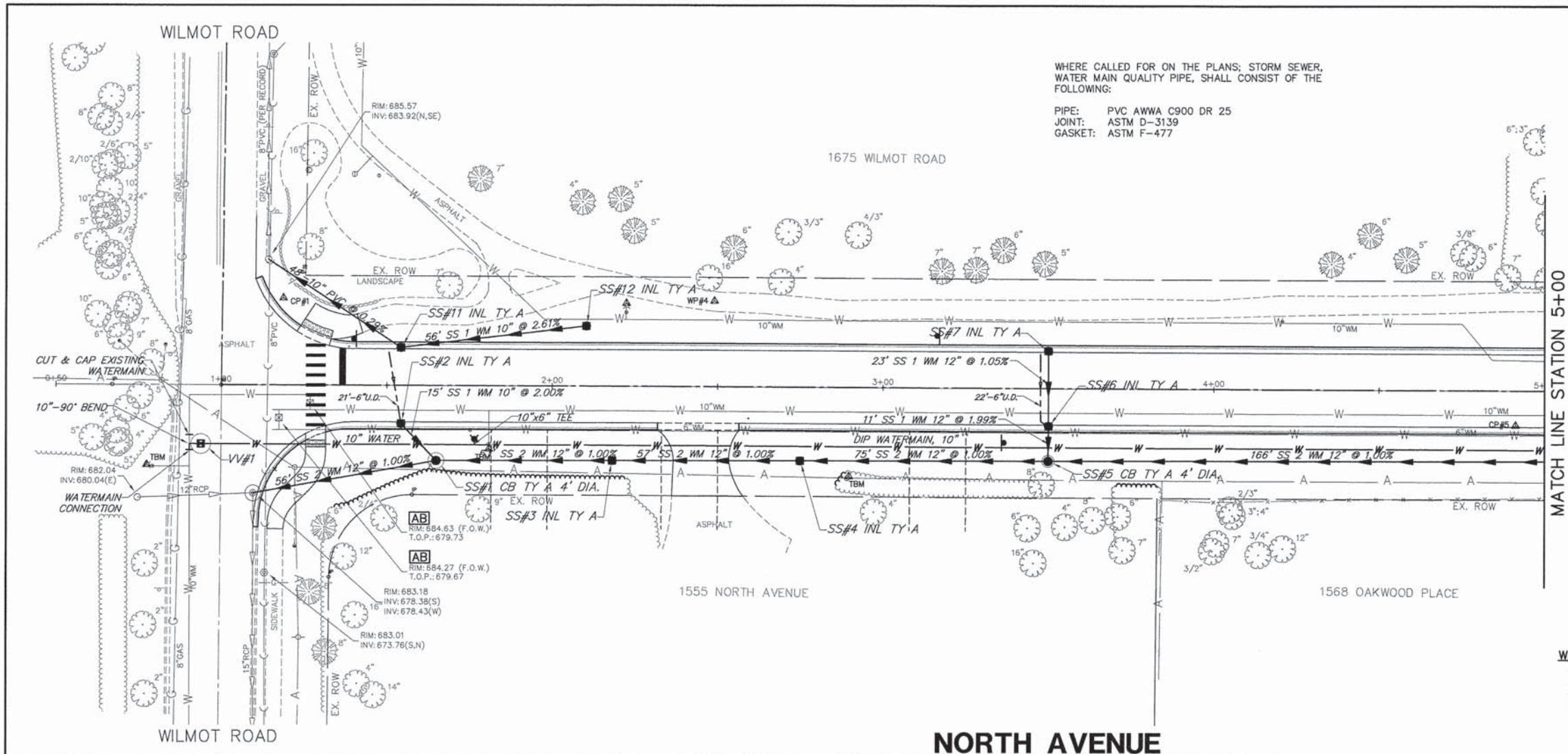
DRAINAGE & UTILITY LEGEND

- EXISTING STORM SEWER
- EXISTING SANITARY SEWER
- EXISTING WATERMAIN
- PROPOSED STORM SEWER
- PIPE UNDERDRAINS, TYPE 2, 6"
- PROPOSED WATERMAIN

- EXISTING PROPOSED**
- STORM MANHOLE
 - STORM MANHOLE
 - STORM CATCHBASIN
 - STORM CATCHBASIN
 - STORM INLET
 - STORM INLET
 - SANITARY MANHOLE
 - SANITARY MANHOLE
 - VALVE VAULT
 - VALVE VAULT
 - FIRE HYDRANT
 - FIRE HYDRANT
 - STREET LIGHT
 - STREET LIGHT

WATER STRUCTURE TABLE

VV#1
 5' DIA
 RIM: 684.03
 TOP: 679.41
 TOP: 679.41



FILE NAME = 8101-805-pr2.dwg
 USER NAME = GW3
 DESIGNED - KLB
 DRAWN - GW3
 CHECKED - DJG
 DATE - - -

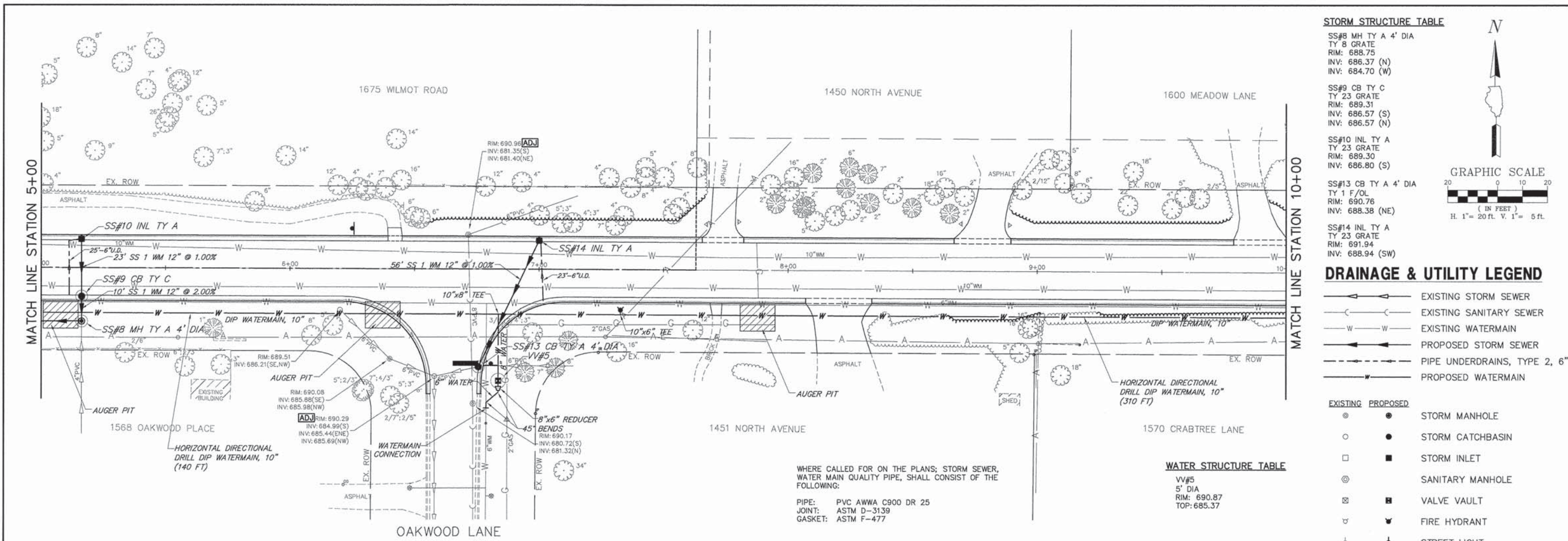
REVISIONS
 REVISED -
 REVISED -
 REVISED -
 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

DRAINAGE & UTILITY PLAN

SCALE AS NOTED	SHEET NO. - OF - SHEETS	STA. - TO STA. -
----------------	-------------------------	------------------

FA. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3714	15-00100-00-PV	LAKE	50	25
CONTRACT #:			61C40	
ILLINOIS FED. AID PROJECT				



STORM STRUCTURE TABLE

SS#8 MH TY A 4' DIA TY 8 GRATE RIM: 688.75 INV: 686.37 (N) INV: 684.70 (W)
SS#9 CB TY C TY 23 GRATE RIM: 689.31 INV: 686.57 (S) INV: 686.57 (N)
SS#10 INL TY A TY 23 GRATE RIM: 689.30 INV: 686.80 (S)
SS#13 CB TY A 4' DIA TY 1 F/OL RIM: 690.76 INV: 688.38 (NE)
SS#14 INL TY A TY 23 GRATE RIM: 691.94 INV: 688.94 (SW)

GRAPHIC SCALE
 20 0 10 20
 (IN FEET)
 H. 1" = 20 ft. V. 1" = 5 ft.

DRAINAGE & UTILITY LEGEND

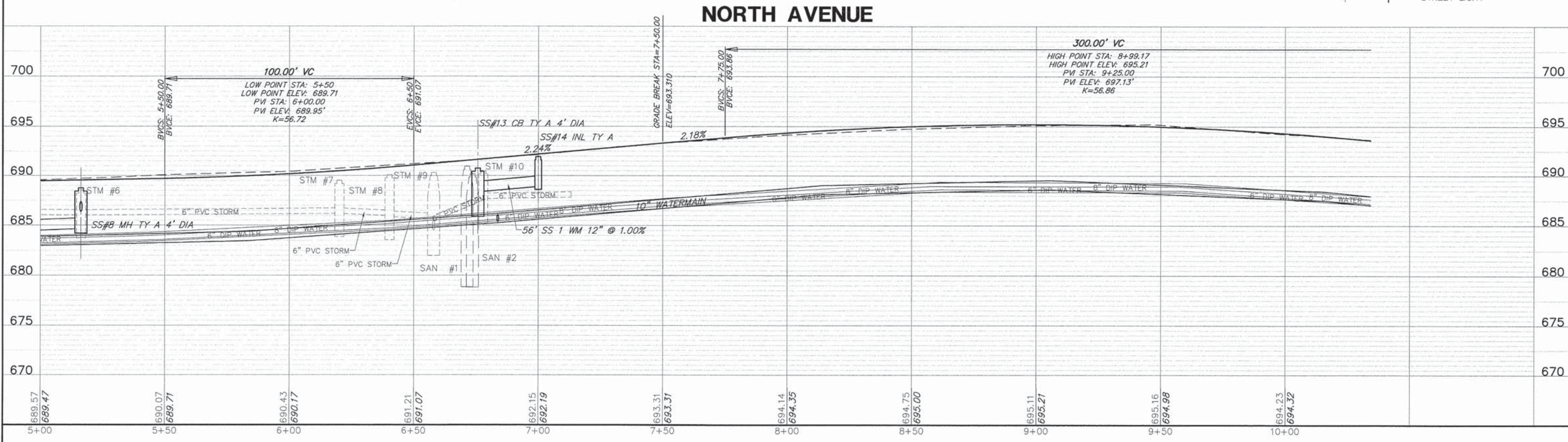
	EXISTING STORM SEWER
	EXISTING SANITARY SEWER
	EXISTING WATERMAIN
	PROPOSED STORM SEWER
	PIPE UNDERDRAINS, TYPE 2, 6"
	PROPOSED WATERMAIN

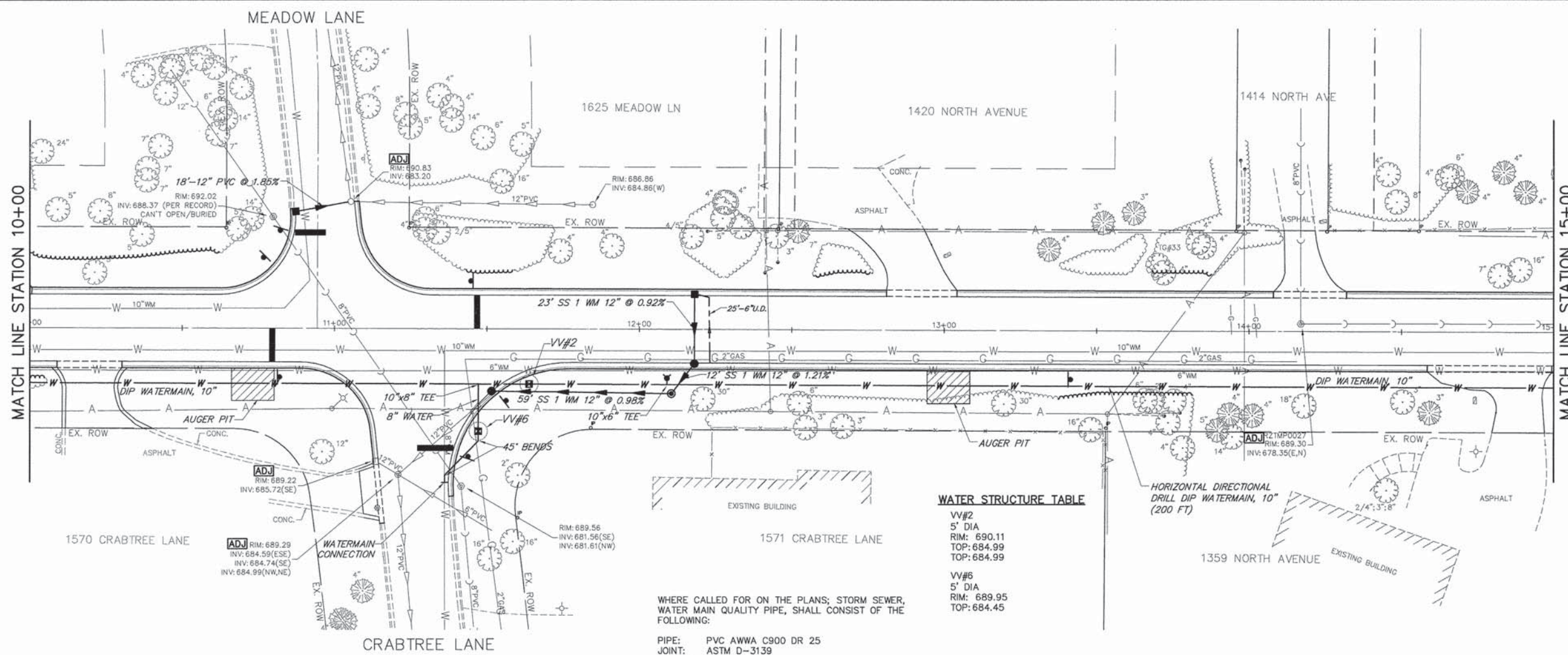
	EXISTING	PROPOSED	STORM MANHOLE
	EXISTING	PROPOSED	STORM CATCHBASIN
	EXISTING	PROPOSED	STORM INLET
	EXISTING	PROPOSED	SANITARY MANHOLE
	EXISTING	PROPOSED	VALVE VAULT
	EXISTING	PROPOSED	FIRE HYDRANT
	EXISTING	PROPOSED	STREET LIGHT

WHERE CALLED FOR ON THE PLANS; STORM SEWER, WATER MAIN QUALITY PIPE, SHALL CONSIST OF THE FOLLOWING:
 PIPE: PVC AWWA C900 DR 25
 JOINT: ASTM D-3139
 GASKET: ASTM F-477

WATER STRUCTURE TABLE

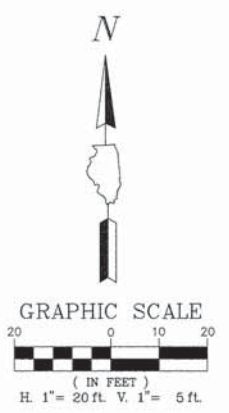
VV#5 5' DIA RIM: 690.87 TOP: 685.37
--





STORM STRUCTURE TABLE

SS#15 INL TY A TY 23 GRATE RIM: 691.44 INV: 687.34 (E)
SS#16 CB TY A 4' DIA TY 23 GRATE RIM: 690.24 INV: 686.21 (E)
SS#17 MH TY A 4' DIA TY 8 GRATE RIM: 689.75 INV: 686.79 (W) INV: 686.89 (NE)
SS#18 CB TY A 4' DIA TY 23 GRATE RIM: 689.86 INV: 687.04 (SW) INV: 687.14 (N)
SS#19 INL TY A TY 23 GRATE RIM: 689.85 INV: 687.35 (S)



DRAINAGE & UTILITY LEGEND

	EXISTING STORM SEWER
	EXISTING SANITARY SEWER
	EXISTING WATERMAIN
	PROPOSED STORM SEWER
	PIPE UNDERDRAINS, TYPE 2, 6"
	PROPOSED WATERMAIN

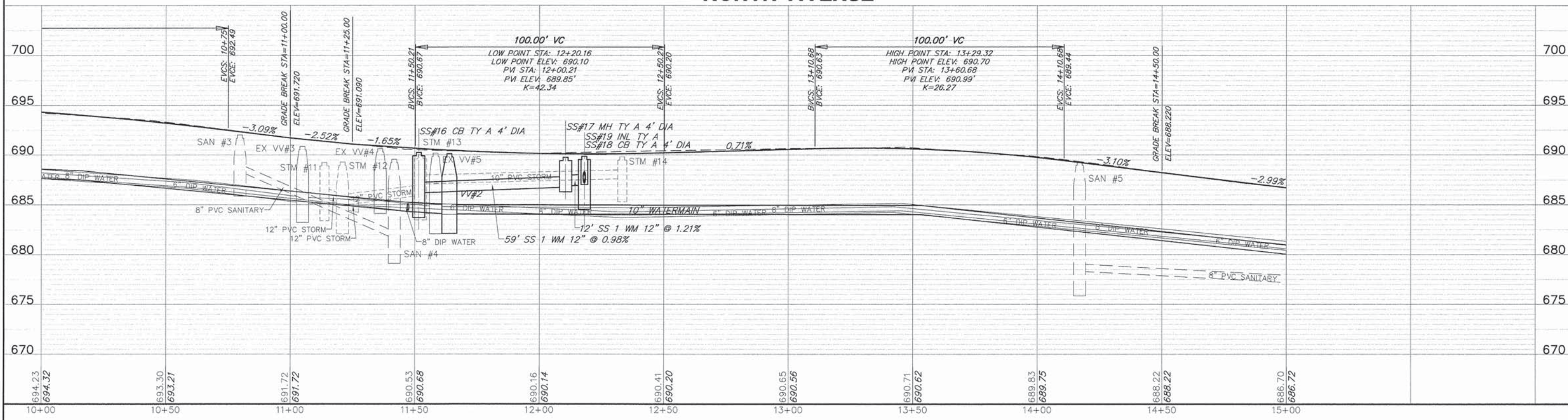
EXISTING	PROPOSED	
		STORM MANHOLE
		STORM CATCHBASIN
		STORM INLET
		SANITARY MANHOLE
		VALVE VAULT
		FIRE HYDRANT
		STREET LIGHT

WATER STRUCTURE TABLE

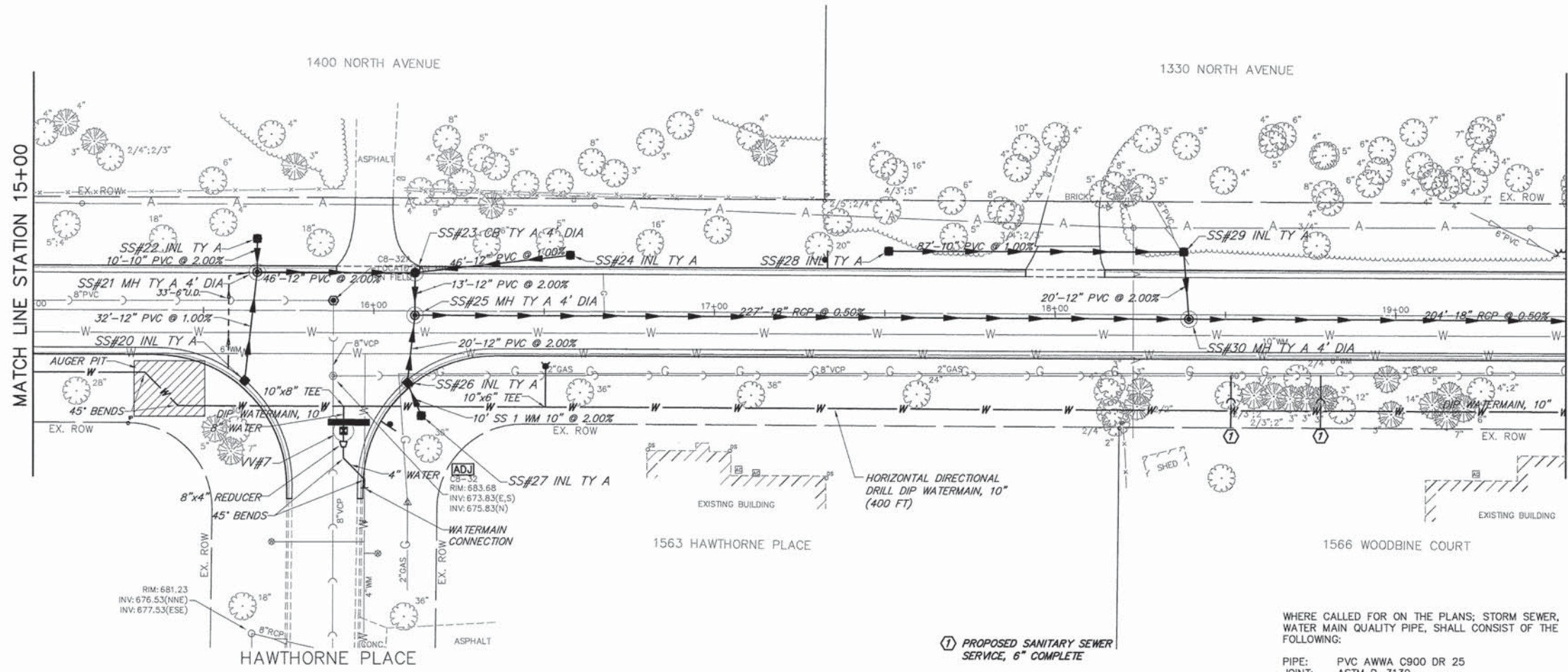
VV#2 5' DIA RIM: 690.11 TOP: 684.99
VV#6 5' DIA RIM: 689.95 TOP: 684.45

WHERE CALLED FOR ON THE PLANS; STORM SEWER, WATER MAIN QUALITY PIPE, SHALL CONSIST OF THE FOLLOWING:
 PIPE: PVC AWWA C900 DR 25
 JOINT: ASTM D-3139
 GASKET: ASTM F-477

NORTH AVENUE

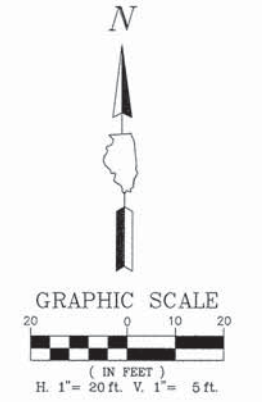


FILE NAME = 8101-805-pr2.dwg	USER NAME = GW3	DESIGNED - KLB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DRAINAGE & UTILITY PLAN			FA. RTE. 3714	SECTION 15-00100-00-PV	COUNTY LAKE	TOTAL SHEETS 50	SHEET NO. 27
PLOT SCALE = 1:1	PLOT DATE = 01.10.15	DRAWN - GW3	REVISED -		SCALE AS NOTED	SHEET NO. - - - SHEETS	STA. - TO STA. -	CONTRACT #: 61C40				
		CHECKED - DJG	REVISED -		ILLINOIS FED. AID PROJECT							
		DATE - - -	REVISED -									



STORM STRUCTURE TABLE

SS#20 INL TY A TY 8 GRATE RIM: 684.59 INV: 682.09 (N)	SS#27 INL TY A TY 8 GRATE RIM: 682.70 INV: 680.21 (NW)
SS#21 MH TY A 4' DIA TY 1 F/OL RIM: 684.70 INV: 681.77 (S) INV: 681.70 (E) INV: 682.92 (N)	SS#28 INL TY A TY 8 GRATE RIM: 684.40 INV: 681.90 (E)
SS#22 INL TY A TY 8 GRATE RIM: 685.66 INV: 683.11 (S)	SS#29 INL TY A TY 8 GRATE RIM: 684.60 INV: 681.03 (W) INV: 681.03 (S)
SS#23 CB TY A 4' DIA TY 1 F/CL RIM: 684.38 INV: 680.78 (W) INV: 679.86 (S) INV: 682.48 (E)	SS#30 MH TY A 4' DIA TY 1 F/CL RIM: 685.07 INV: 680.63 (N) INV: 674.10 (E) INV: 674.10 (W)
SS#24 INL TY A TY 8 GRATE RIM: 684.97 INV: 682.94 (W)	SS#25 MH TY A 4' DIA TY 1 F/CL RIM: 684.49 INV: 679.60 (N) INV: 679.60 (S) INV: 675.25 (E)
SS#26 INL TY A TY 23 GRATE RIM: 684.49 INV: 680.00 (N) INV: 680.00 (SE)	



DRAINAGE & UTILITY LEGEND

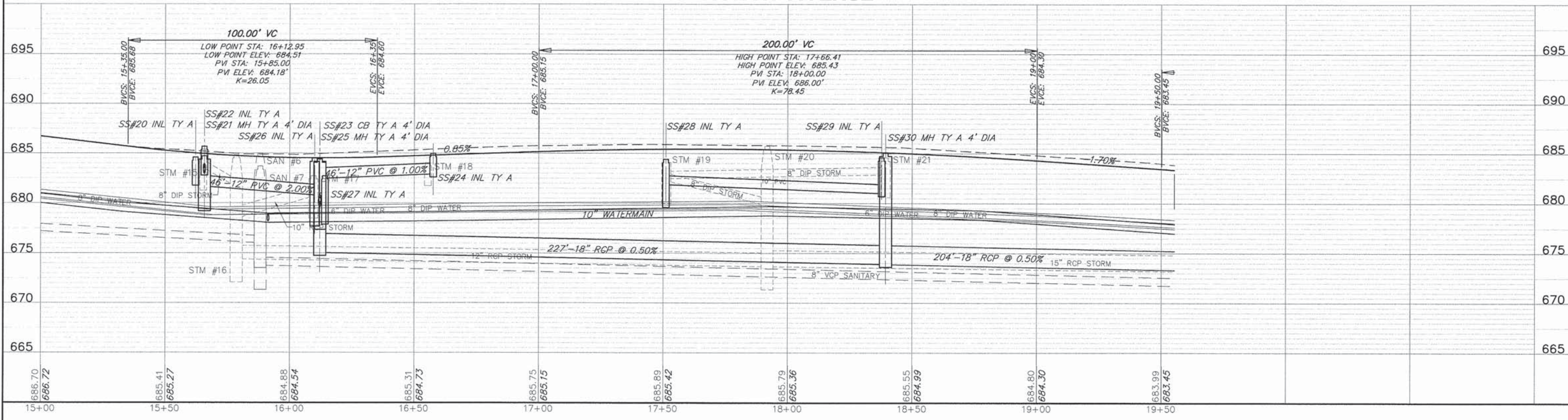
	EXISTING STORM SEWER
	EXISTING SANITARY SEWER
	EXISTING WATERMAIN
	PROPOSED STORM SEWER
	PIPE UNDERDRAINS, TYPE 2, 6"
	PROPOSED WATERMAIN
EXISTING	PROPOSED
	STORM MANHOLE
	STORM CATCHBASIN
	STORM INLET
	SANITARY MANHOLE
	VALVE VAULT
	FIRE HYDRANT
	STREET LIGHT

WATER STRUCTURE TABLE

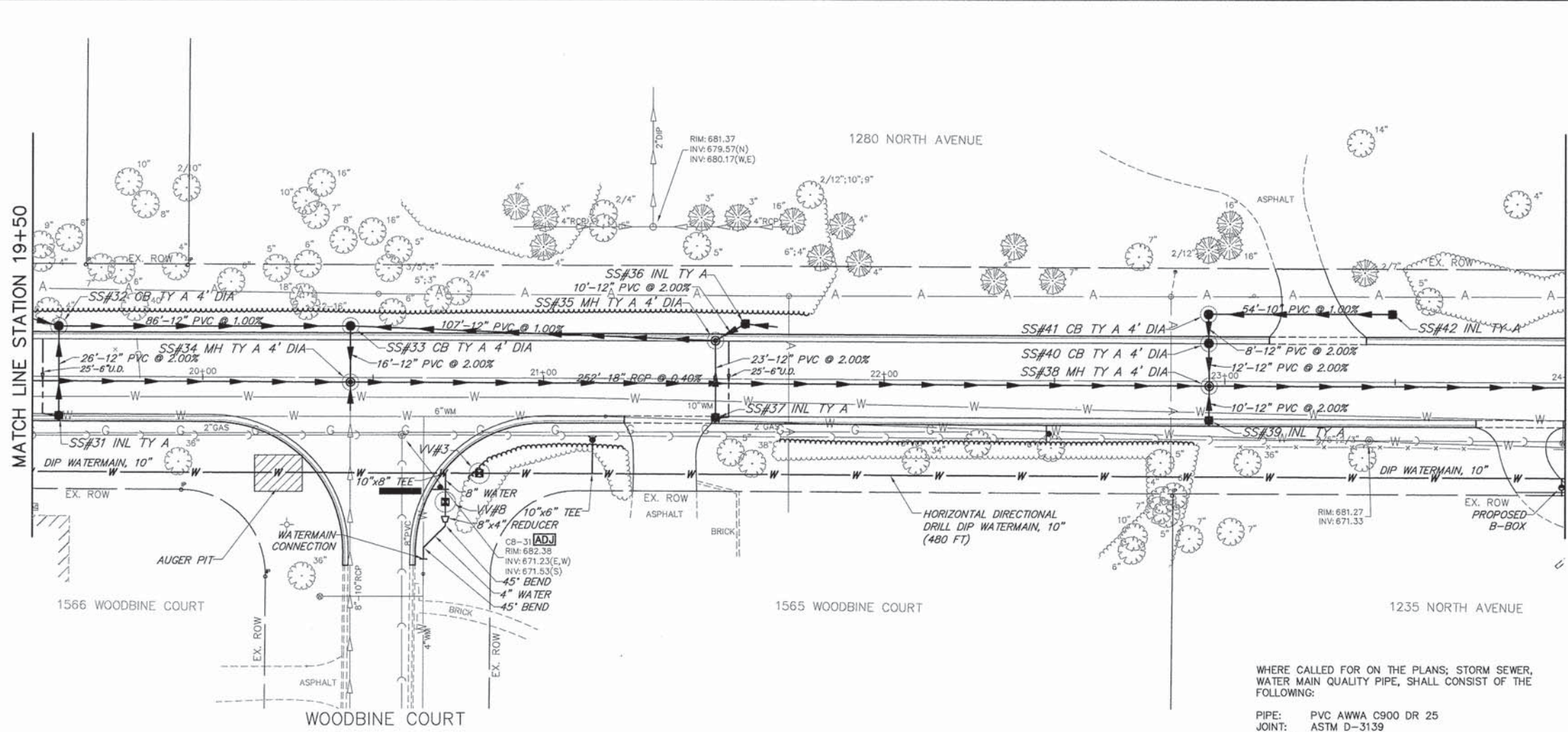
VV#7 5' DIA RIM: 682.99 TOP: 677.88
--

WHERE CALLED FOR ON THE PLANS; STORM SEWER, WATER MAIN QUALITY PIPE, SHALL CONSIST OF THE FOLLOWING:
 PIPE: PVC AWWA C900 DR 25
 JOINT: ASTM D-3139
 GASKET: ASTM F-477

NORTH AVENUE

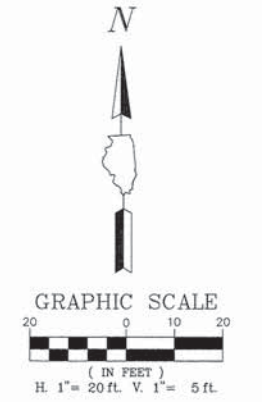


FILE NAME = 8101-805-pr2.dwg	USER NAME = GW3	DESIGNED - KLB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DRAINAGE & UTILITY PLAN			FA RTE = 3714	SECTION = 15-00100-00-PV	COUNTY = LAKE	TOTAL SHEETS = 50	SHEET NO. = 28
PLOT SCALE = 1:1	PLOT DATE = 01.10.15	DRAWN - GW3	REVISED -		SCALE = AS NOTED	SHEET NO. = OF - SHEETS	STA. - TO STA. -	CONTRACT # = 61C40				
		CHECKED - DJG	REVISED -		ILLINOIS FED. AID PROJECT							
		DATE - -	REVISED -									



STORM STRUCTURE TABLE

SS#31 INL TY A TY 23 GRATE RIM: 683.07 INV: 680.57 (N)	SS#39 INL TY A TY 23 GRATE RIM: 682.18 INV: 679.68 (N)
SS#32 CB TY A 4' DIA TY 8 GRATE RIM: 683.31 INV: 680.04 (E) INV: 680.04 (S)	SS#40 CB TY A 4' DIA TY 23 GRATE RIM: 682.20 INV: 677.17 (S) INV: 677.27 (N)
SS#33 CB TY A 4' DIA TY 8 GRATE RIM: 682.36 INV: 678.00 (S) INV: 679.18 (W) INV: 678.50 (E)	SS#41 CB TY A 4' DIA TY 8 GRATE RIM: 681.32 INV: 677.44 (S) INV: 677.54 (E)
SS#34 MH TY A 4' DIA TY 1 F/CL RIM: 682.35 INV: 673.08 (W) INV: 677.67 (N) INV: 673.08 (E)	SS#42 INL TY A TY 8 GRATE RIM: 680.58 INV: 678.08 (W)
SS#35 MH TY A 4' DIA TY 23 GRATE RIM: 681.61 INV: 678.65 (S) INV: 679.10 (NE) INV: 677.43 (W)	
SS#36 INL TY A TY 8 GRATE RIM: 681.80 INV: 679.30 (SW)	
SS#37 INL TY A TY 23 GRATE RIM: 681.60 INV: 679.10 (N)	
SS#38 MH TY A 4' DIA TY 1 F/CL RIM: 682.40 INV: 679.48 (S) INV: 676.92 (N) INV: 672.07 (W) INV: 672.07 (E)	



DRAINAGE & UTILITY LEGEND

	EXISTING STORM SEWER
	EXISTING SANITARY SEWER
	EXISTING WATERMAIN
	PROPOSED STORM SEWER
	PIPE UNDERDRAINS, TYPE 2, 6"
	PROPOSED WATERMAIN

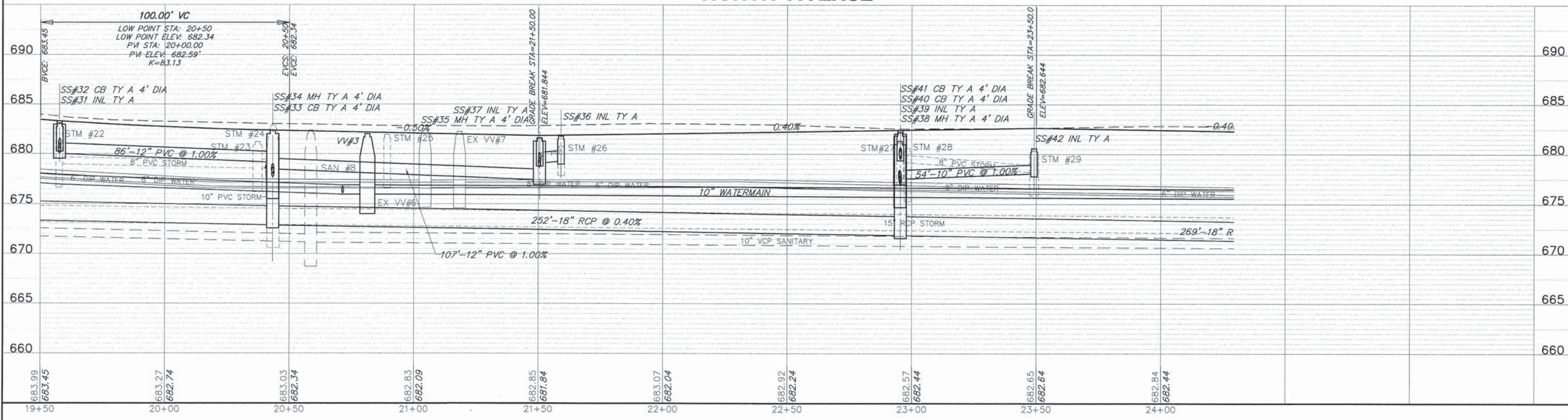
	EXISTING		PROPOSED	STORM MANHOLE
	EXISTING		PROPOSED	STORM CATCHBASIN
	EXISTING		PROPOSED	STORM INLET
	EXISTING		PROPOSED	SANITARY MANHOLE
	EXISTING		PROPOSED	VALVE VAULT
	EXISTING		PROPOSED	FIRE HYDRANT
	EXISTING		PROPOSED	STREET LIGHT

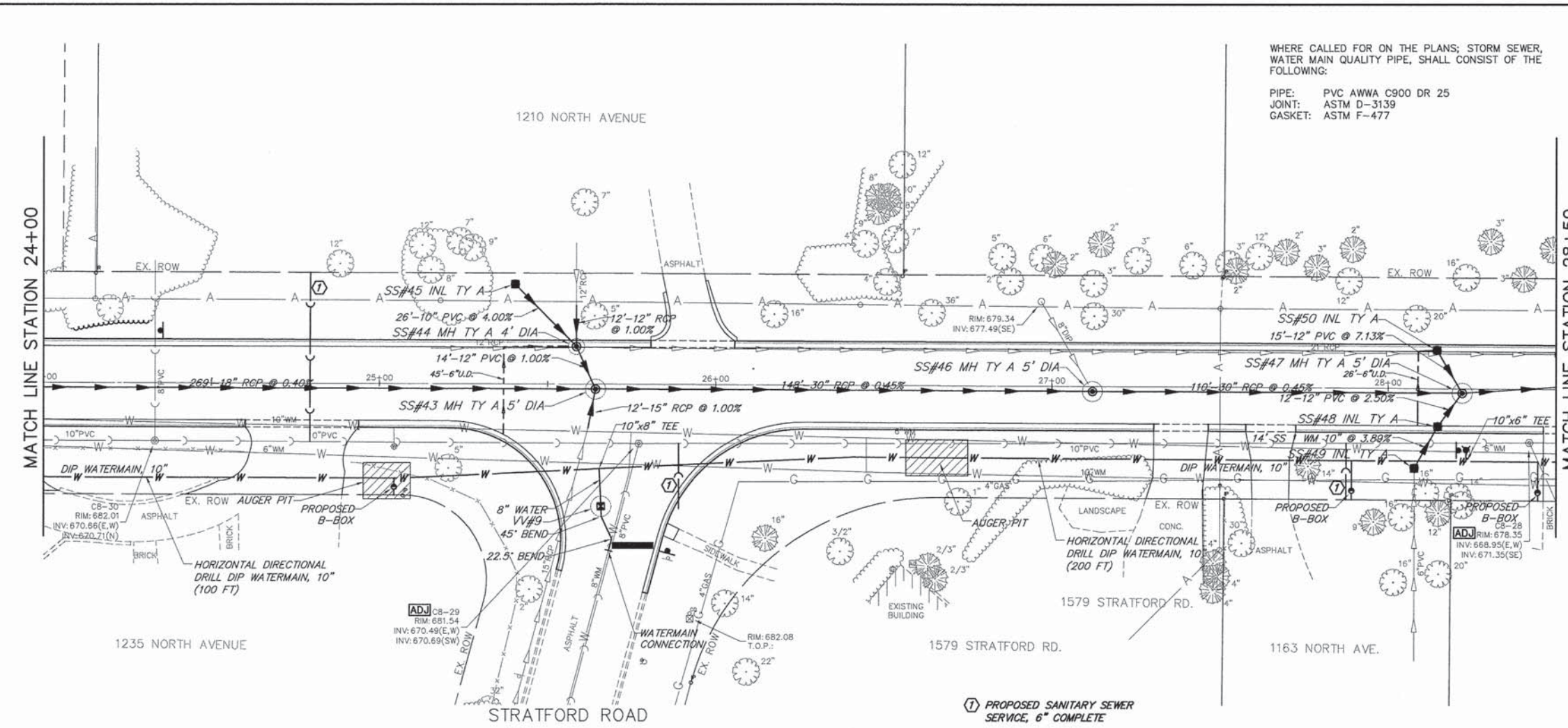
WATER STRUCTURE TABLE

VV#3 5' DIA RIM: 682.03 TOP: 676.88 TOP: 676.88
VV#8 5' DIA RIM: 681.56 TOP: 676.07

WHERE CALLED FOR ON THE PLANS; STORM SEWER, WATER MAIN QUALITY PIPE, SHALL CONSIST OF THE FOLLOWING:
 PIPE: PVC AWWA C900 DR 25
 JOINT: ASTM D-3139
 GASKET: ASTM F-477

NORTH AVENUE





STORM STRUCTURE TABLE

SS#43 MH TY A 5' DIA TY 1 F/CL RIM: 681.40 INV: 677.20 (NW) INV: 671.00 (E) INV: 671.00 (W) INV: 671.88 (S)
SS#44 MH TY A 4' DIA TY 23 GRATE RIM: 681.25 INV: 677.44 (NW) INV: 677.34 (SE)
SS#45 INL TY A TY 8 GRATE RIM: 680.98 INV: 678.48 (SE)
SS#46 MH TY A 5' DIA TY 1 F/CL RIM: 679.99 INV: 670.33 (W) INV: 670.33 (E)
SS#47 MH TY A 5' DIA TY 1 F/CL RIM: 678.95 INV: 669.84 (W) INV: 675.87 (SW) INV: 676.88 (NW) INV: 669.84 (E)
SS#48 INL TY A TY 23 GRATE RIM: 678.81 INV: 676.18 (NE) INV: 676.28 (SW)
SS#49 INL TY A TY 8 GRATE RIM: 679.33 INV: 676.83 (NE)
SS#50 INL TY A TY 23 GRATE RIM: 678.82 INV: 675.82 (SE)

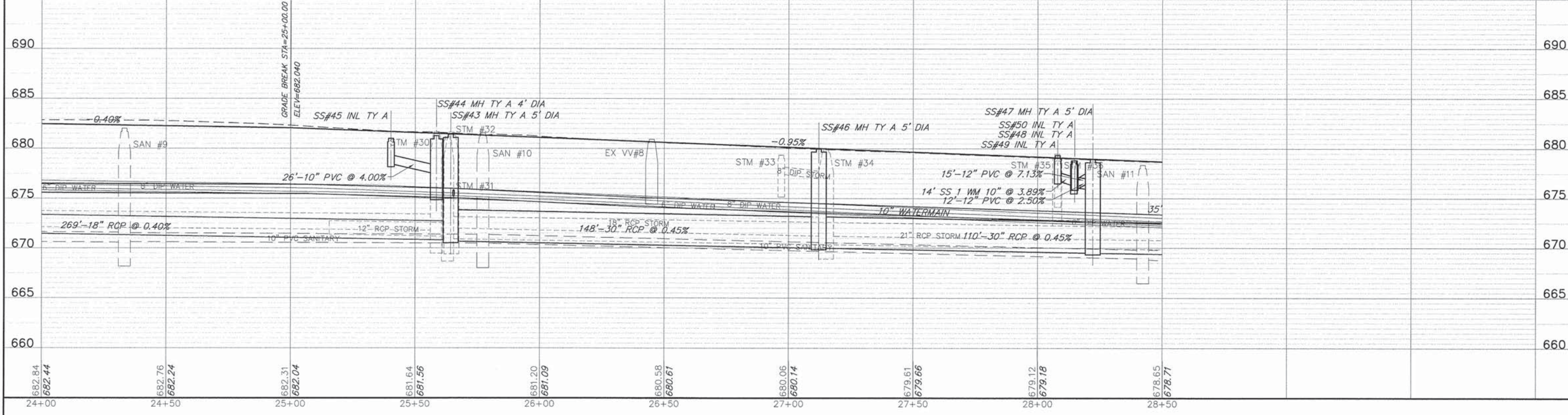
DRAINAGE & UTILITY LEGEND

	EXISTING STORM SEWER
	EXISTING SANITARY SEWER
	EXISTING WATERMAIN
	PROPOSED STORM SEWER
	PIPE UNDERDRAINS, TYPE 2, 6"
	PROPOSED WATERMAIN
	EXISTING STORM MANHOLE
	PROPOSED STORM MANHOLE
	EXISTING STORM CATCHBASIN
	PROPOSED STORM CATCHBASIN
	EXISTING STORM INLET
	PROPOSED STORM INLET
	EXISTING SANITARY MANHOLE
	PROPOSED SANITARY MANHOLE
	EXISTING VALVE VAULT
	PROPOSED VALVE VAULT
	EXISTING FIRE HYDRANT
	PROPOSED FIRE HYDRANT
	EXISTING STREET LIGHT
	PROPOSED STREET LIGHT

WATER STRUCTURE TABLE

VV#9 5' DIA RIM: 681.44 TOP: 676.33
--

NORTH AVENUE



WATER STRUCTURE TABLE

VV#4
5' DIA
RIM: 677.77
TOP: 672.76
VVP: 672.76

VV#10
5' DIA
RIM: 678.17
TOP: 672.70

WHERE CALLED FOR ON THE PLANS; STORM SEWER,
WATER MAIN QUALITY PIPE, SHALL CONSIST OF THE
FOLLOWING:

PIPE: PVC AWWA C900 DR 25
JOINT: ASTM D-3139
GASKET: ASTM F-477

STORM STRUCTURE TABLE

SS#51 MH TY A 5' DIA
TY 1 F/CL
RIM: 676.84
INV: 672.48 (S)
INV: 669.05 (E)
INV: 669.05 (W)

SS#52 CB TY A 4' DIA
TY 8 GRATE
RIM: 677.26
INV: 673.26 (W)
INV: 673.16 (N)

SS#53 CB TY A 4' DIA
TY 23 GRATE
RIM: 677.76
INV: 674.66 (W)
INV: 674.56 (E)

SS#54 INL TY A
TY 23 GRATE
RIM: 677.85
INV: 675.35 (E)

SS#55 MH TY A 5' DIA
TY 1 F/CL
RIM: 675.58
INV: 668.24 (W)
INV: 672.04 (NW)
INV: 672.09 (W)
INV: 672.02 (SE)
INV: 668.24 (E)

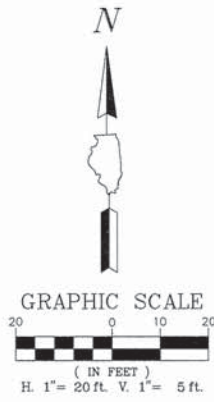
SS#56 INL TY A
TY 23 GRATE
RIM: 675.50
INV: 672.50 (NW)

SS#57 INL TY A
TY 23 GRATE
RIM: 675.51
INV: 672.57 (SE)

SS#58 MH TY A 7' DIA
TY 1 F/CL
RIM: 674.56
INV: 667.89 (W)
INV: 667.85 (E)
INV: 667.90 (S)

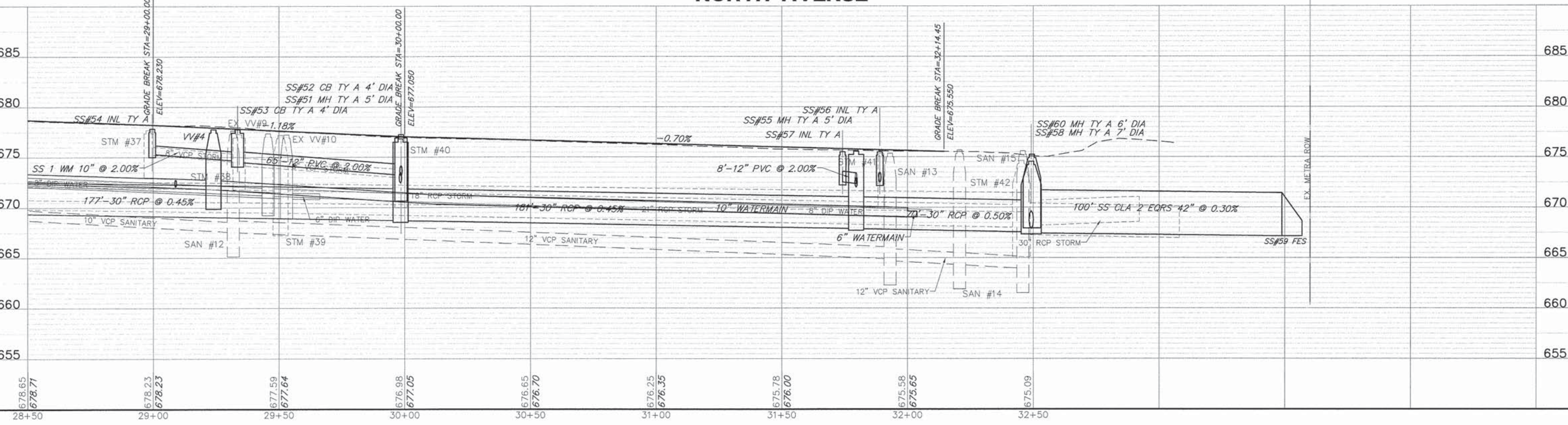
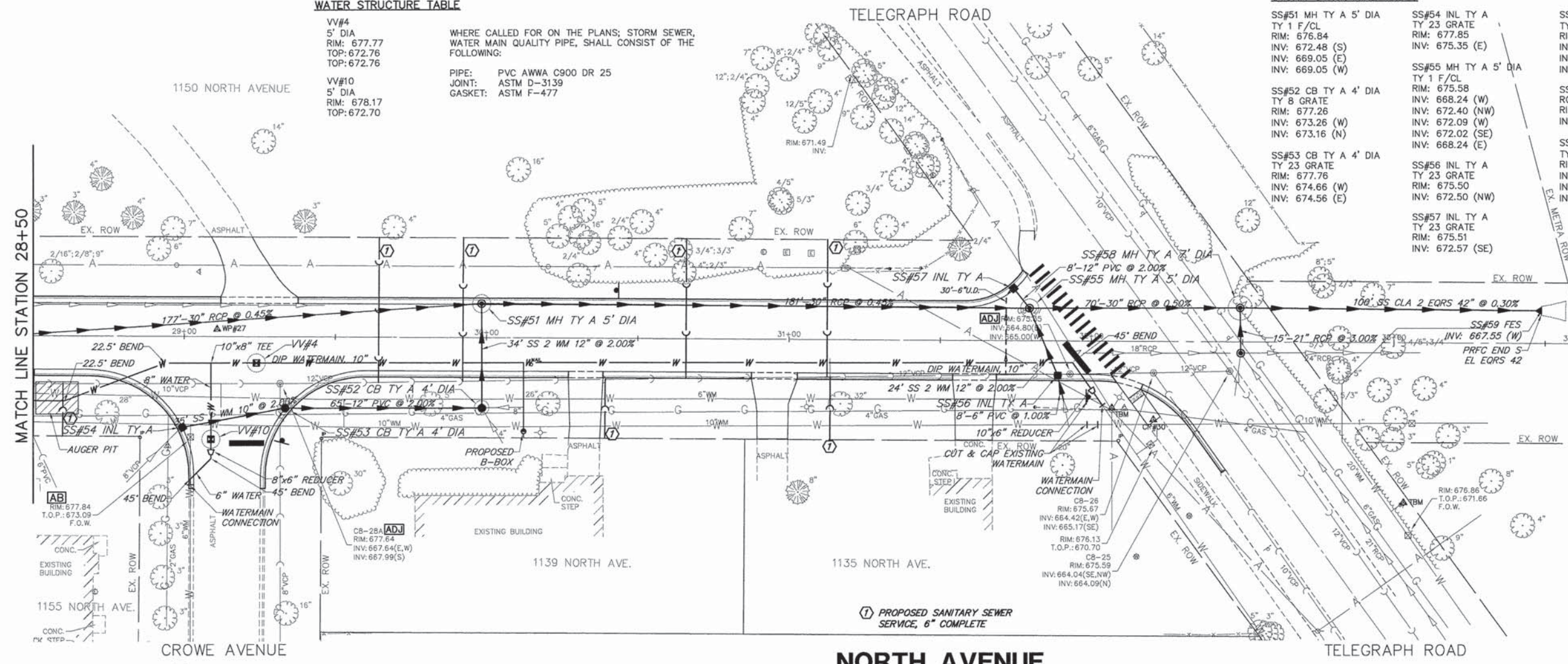
SS#59 FES
RCP Flared End Section
RIM: 668.67
INV: 667.55 (W)

SS#60 MH TY A 6' DIA
TY 1 F/CL
RIM: 675.25
INV: 669.75 (W)
INV: 668.45 (E)
INV: 668.45 (N)



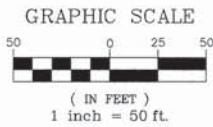
DRAINAGE & UTILITY LEGEND

- EXISTING STORM SEWER
 - EXISTING SANITARY SEWER
 - EXISTING WATERMAIN
 - PROPOSED STORM SEWER
 - PIPE UNDERDRAINS, TYPE 2, 6"
 - PROPOSED WATERMAIN
-
- EXISTING STORM MANHOLE
 - PROPOSED STORM MANHOLE
 - EXISTING STORM CATCHBASIN
 - PROPOSED STORM CATCHBASIN
 - EXISTING STORM INLET
 - PROPOSED STORM INLET
 - EXISTING SANITARY MANHOLE
 - PROPOSED SANITARY MANHOLE
 - EXISTING VALVE VAULT
 - PROPOSED VALVE VAULT
 - EXISTING FIRE HYDRANT
 - PROPOSED FIRE HYDRANT
 - EXISTING STREET LIGHT
 - PROPOSED STREET LIGHT

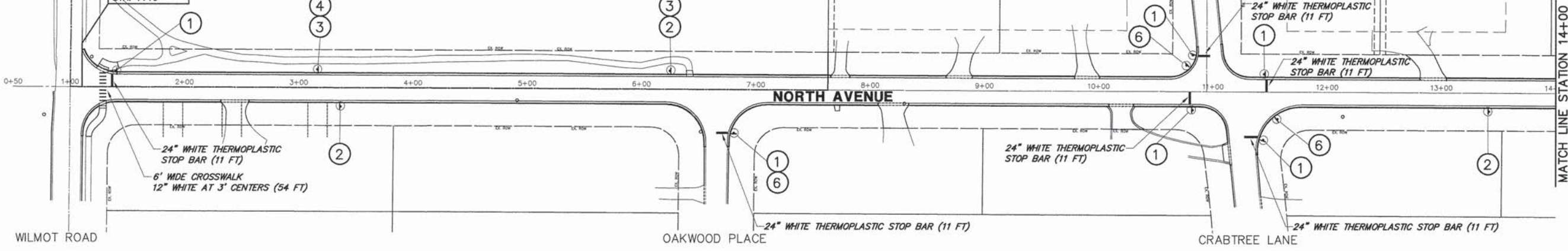


WILMOT ROAD

MEADOW LANE

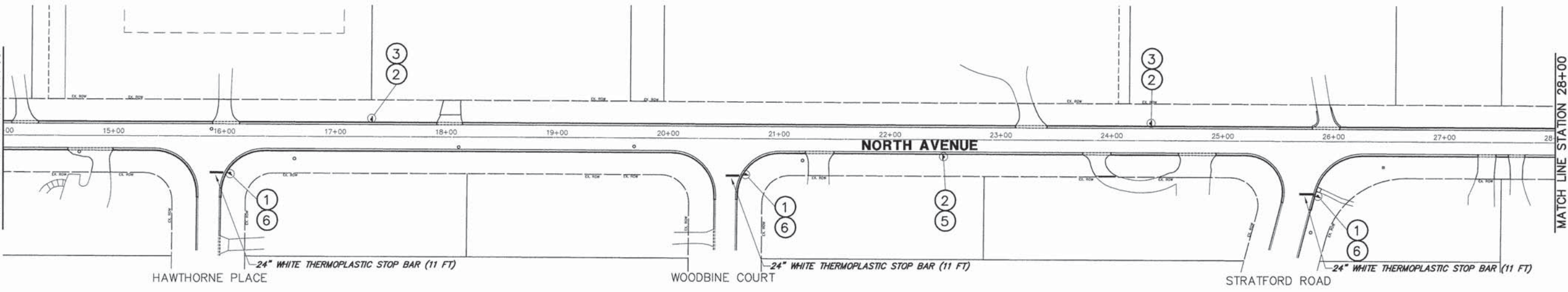


PROJECT LIMITS STA. 1+10



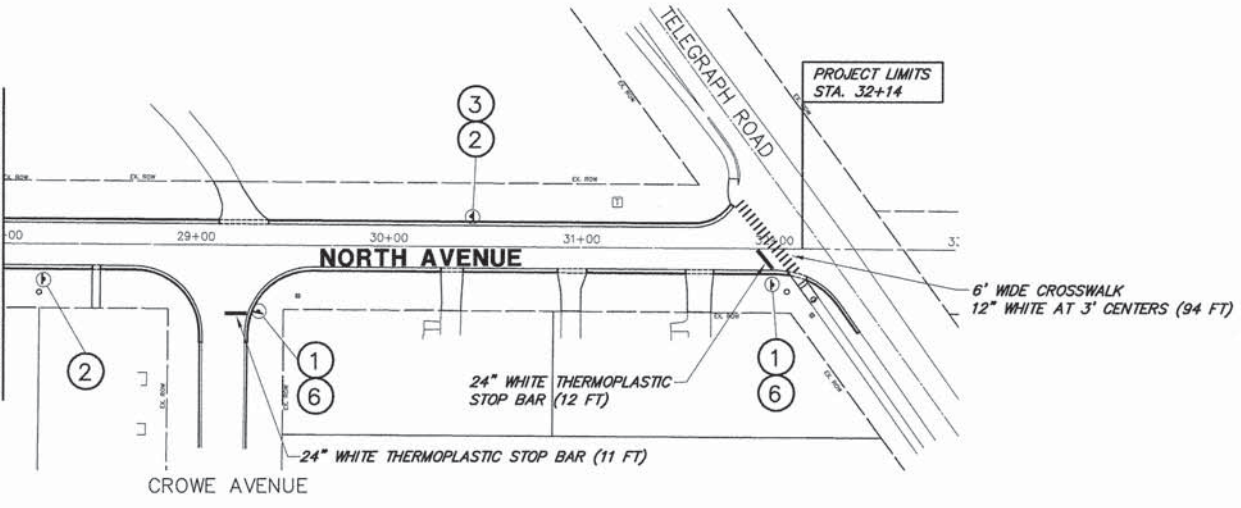
MATCH LINE STATION 14+00

MATCH LINE STATION 14+00








MATCH LINE STATION 28+00

MATCH LINE STATION 28+00



PROJECT LIMITS STA. 32+14

SIGN LEGEND

- ①  R1-1, 30"x30"
- ②  R2-1, 18"x24"
- ③  R8-3a, 12"x12"
- ④  W3-1, 30"x30"
- ⑤  R7-1, 18"x12"
- ⑥ EXISTING STREET NAME SIGN

NOTE:
CONTRACTOR SHALL REMOVE/STORE AND REINSTALL ALL STREET NAME SIGNS AT LOCATIONS SHOWN ON PLANS OR AS DIRECTED BY THE ENGINEER. NO ADDITIONAL COMPENSATION WILL BE PROVIDED FOR COMPLETING THIS WORK.

FILE NAME =	8101-805-pr1.dwg
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USER NAME =	GW3
PLOT SCALE =	1:1
PLOT DATE =	01.10.15

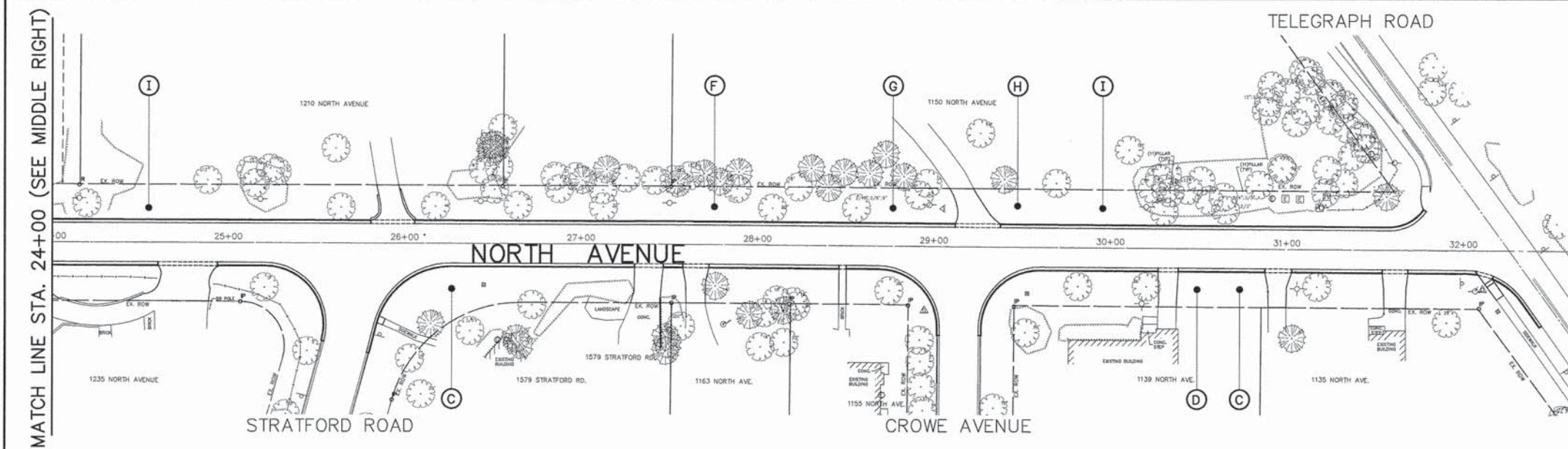
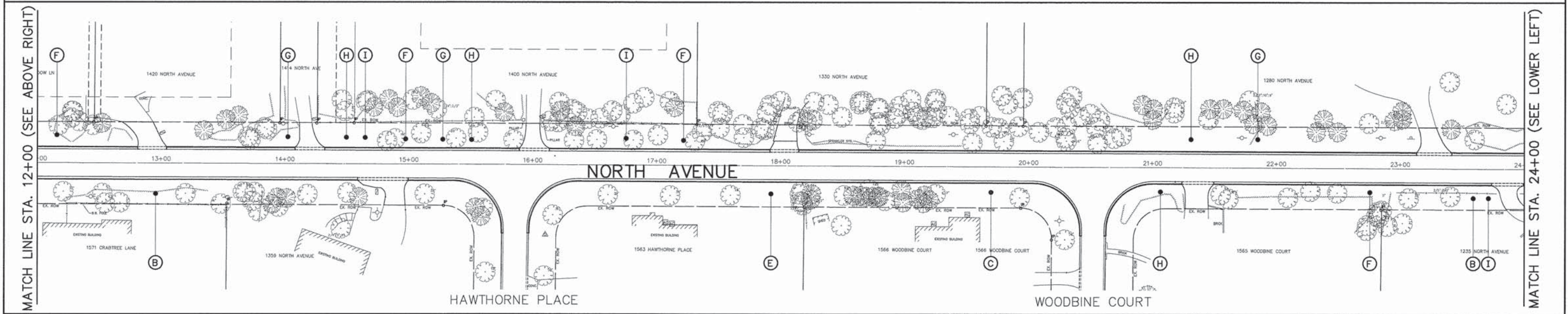
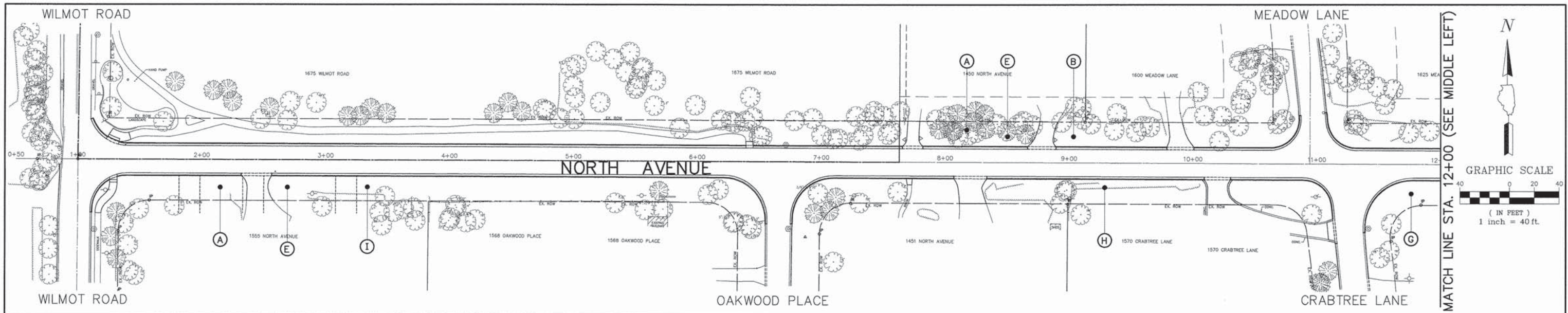
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DRAWN -	GW3
CHECKED -	DJG
DATE -	-

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKING AND SIGNAGE PLAN	
SCALE AS NOTED	SHEET NO. - OF - SHEETS
STA. -	TO STA. -

FA. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3714	15-00100-00-PV	LAKE	50	32
				CONTRACT # 61C40
ILLINOIS FED. AID PROJECT				



SHADE TREES	ITEM NO.	DESCRIPTION	UNIT	QUANTITY
(A)	A2006516	TREE, QUERCUS BICOLOR (SWAMP WHITE OAK), 2" CALIPER, BALLED AND BURLAPPED	EACH	3
(B)	A2006716	TREE, QUERCUS MACROCARPA (BUR OAK), 2" CALIPER, BALLED AND BURLAPPED	EACH	3
(C)	A2007116	TREE, QUERCUS RUBRA (RED OAK), 2" CALIPER, BALLED AND BURLAPPED	EACH	3
(D)	A2012916	TREE, CELTIS OCCIDENTALIS ULZAM (COMMON HACKBERRY), 2" CALIPER, BALLED AND BURLAPPED	EACH	3
(E)	A2017816	TREE, TILIA AMERICANA (AMERICAN LINDEN/BASSWOOD), 2" CALIPER, BALLED AND BURLAPPED	EACH	3
				15
ORNAMENTAL TREES	ITEM NO.	DESCRIPTION	UNIT	QUANTITY
(F)	B2006270	TREE, SYRINGA RETICULATA (JAPANESE TREE LILAC), 8' HEIGHT, CLUMP FORM, BALLED AND BURLAPPED	EACH	6
(G)	B2005370	TREE, MALUS ZUMI CALOCARPA (REDBUD ZUMI CRABAPPLE), 8' HEIGHT, CLUMP FORM, BALLED AND BURLAPPED	EACH	6
(H)	B2001420	TREE, CORNUS MAS (CORNELIAN CHERRY DOG WOOD), 2" CALIPER, TREE FORM, BALLED AND BURLAPPED	EACH	6
(I)	A2C05660	TREE, OSTRYA VIRGINIANA (IRONWOOD), 7' HEIGHT, CLUMP FORM, BALLED AND BURLAPPED	EACH	6
				24

FILE NAME = 8101-805-pr1.dwg
 USER NAME = GW3
 PLOT SCALE = 1:1
 PLOT DATE = 01.10.15

DESIGNED - KLB
 DRAWN - GW3
 CHECKED - DJG
 DATE - -

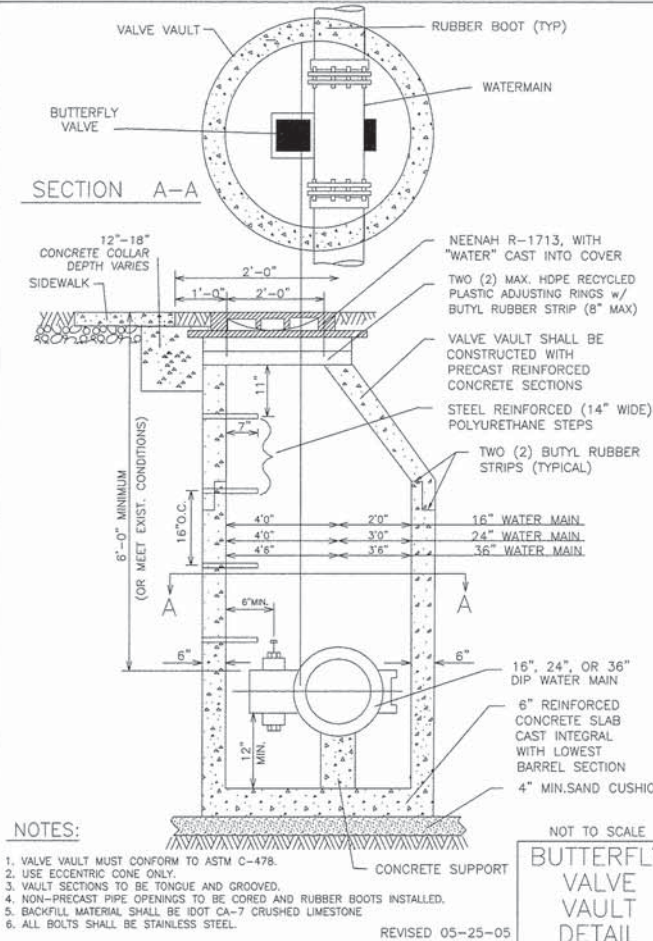
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

TREE REPLACEMENT PLAN

SCALE AS NOTED SHEET NO. - OF - SHEETS STA. - TO STA. -

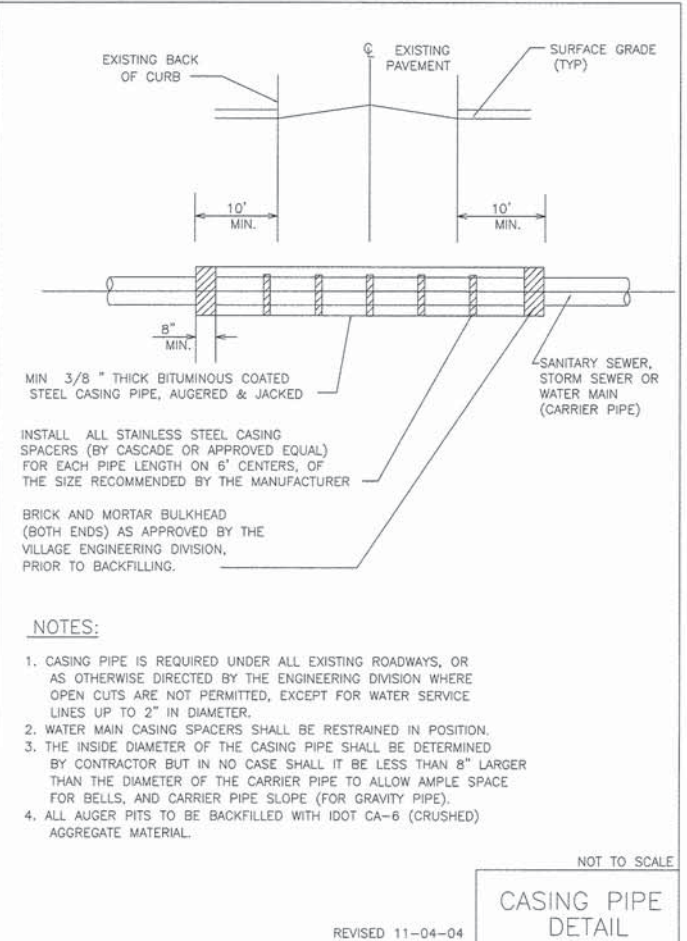
FA. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3714	15-00100-00-PV	LAKE	50	33
CONTRACT # 61C40				
ILLINOIS FED. AID PROJECT				



NOTES:

1. VALVE VAULT MUST CONFORM TO ASTM C-478.
2. USE ECCENTRIC CONE ONLY.
3. VAULT SECTIONS TO BE TONGUE AND GROOVED.
4. NON-PRECAST PIPE OPENINGS TO BE CORED AND RUBBER BOOTS INSTALLED.
5. BACKFILL MATERIAL SHALL BE IDOT CA-7 CRUSHED LIMESTONE.
6. ALL BOLTS SHALL BE STAINLESS STEEL.

REVISED 05-25-05



NOTES:

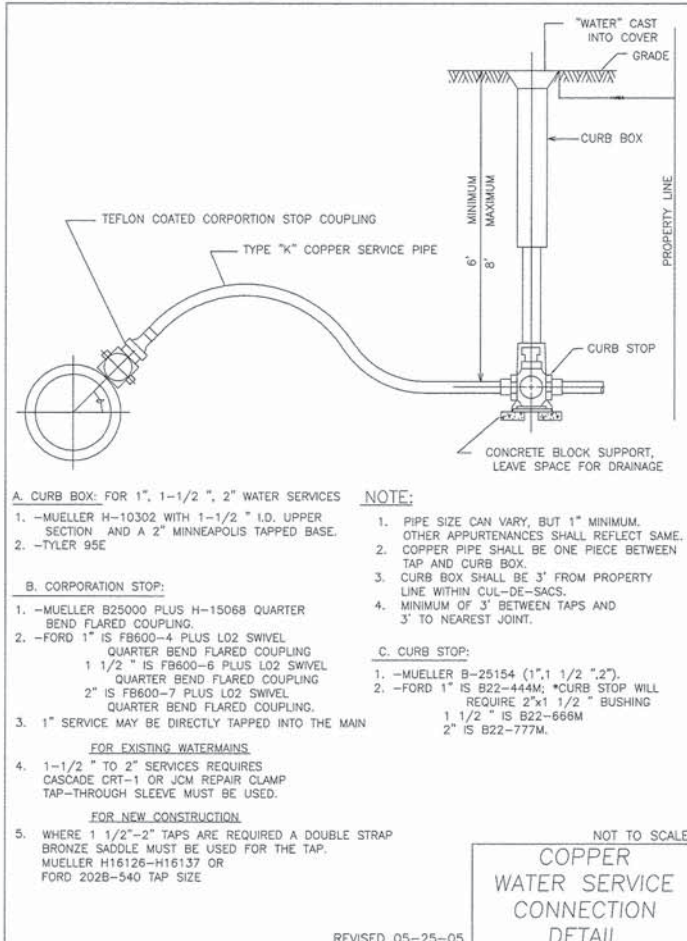
1. CASING PIPE IS REQUIRED UNDER ALL EXISTING ROADWAYS, OR AS OTHERWISE DIRECTED BY THE ENGINEERING DIVISION WHERE OPEN CUTS ARE NOT PERMITTED, EXCEPT FOR WATER SERVICE LINES UP TO 2\"/>
2. WATER MAIN CASING SPACERS SHALL BE RESTRAINED IN POSITION.
3. THE INSIDE DIAMETER OF THE CASING PIPE SHALL BE DETERMINED BY CONTRACTOR BUT IN NO CASE SHALL IT BE LESS THAN 8\"/>
4. ALL AUGER PITS TO BE BACKFILLED WITH IDOT CA-6 (CRUSHED) AGGREGATE MATERIAL.

BRICK AND MORTAR BULKHEAD (BOTH ENDS) AS APPROVED BY THE VILLAGE ENGINEERING DIVISION, PRIOR TO BACKFILLING.

INSTALL ALL STAINLESS STEEL CASING SPACERS (BY CASCADE OR APPROVED EQUAL) FOR EACH PIPE LENGTH ON 6' CENTERS, OF THE SIZE RECOMMENDED BY THE MANUFACTURER.

MIN 3/8\"/>

REVISED 11-04-04



NOTE:

A. CURB BOX: FOR 1\", 1-1/2\", 2\"/>

1. -MUELLER H-10302 WITH 1-1/2\"/>
2. -TYLER 95E

B. CORPORATION STOP:

1. -MUELLER B25000 PLUS H-15068 QUARTER BEND FLARED COUPLING.
2. -FORD 1\"/>
3. 1\"/>

C. CURB STOP:

1. -MUELLER B-25154 (1\", 1 1/2 \", 2 \").
2. -FORD 1\"/>

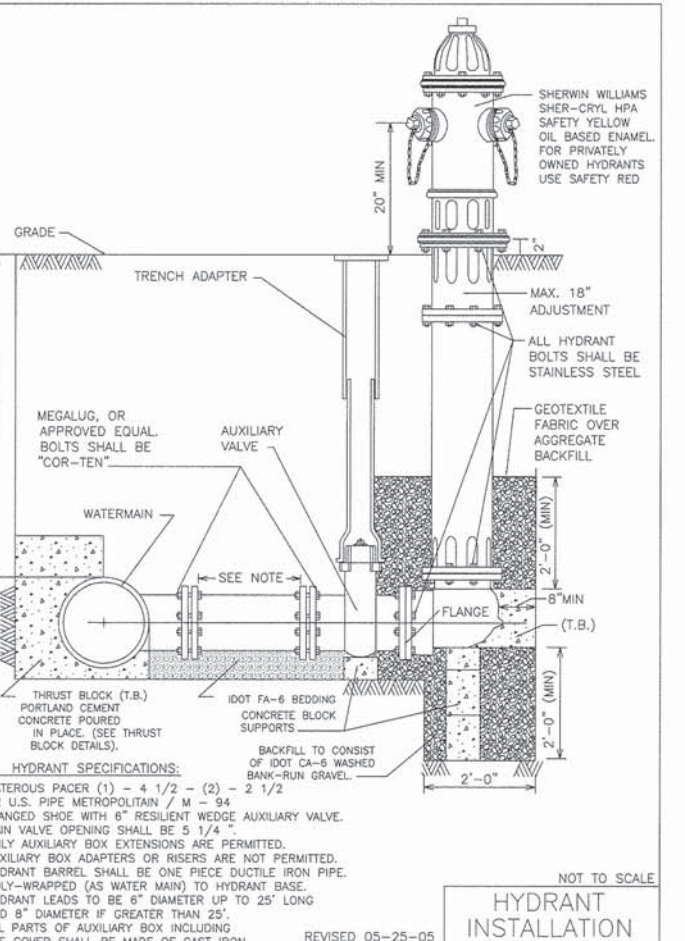
FOR EXISTING WATERMAINS:

1. 1-1/2\"/>
2. 2\"/>
3. 1\"/>

FOR NEW CONSTRUCTION:

1. 1-1/2\"/>

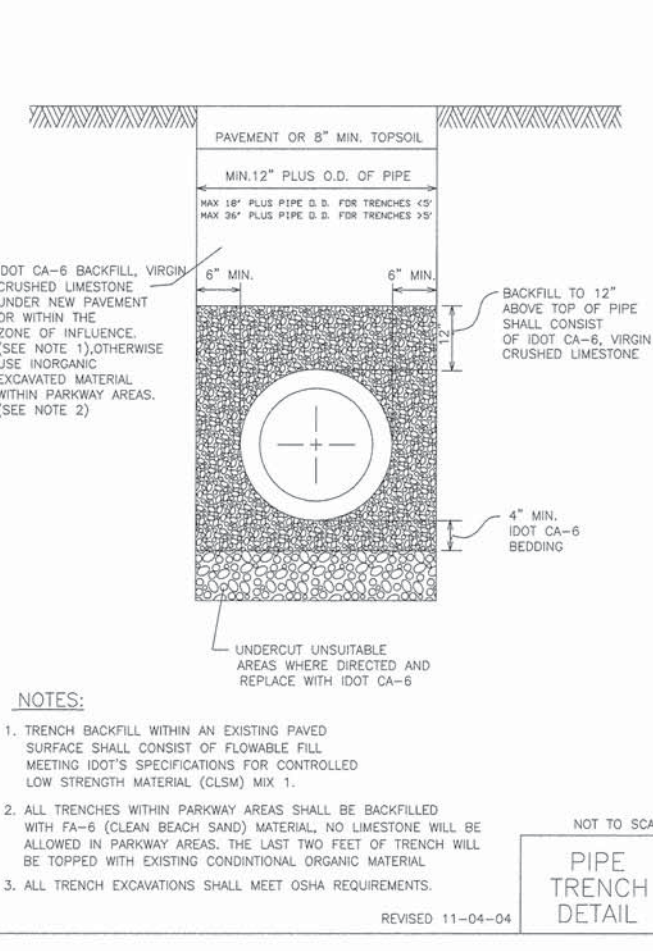
REVISED 05-25-05



HYDRANT SPECIFICATIONS:

WATEROUS PACER (1) - 4 1/2 - (2) - 2 1/2 OR U.S. PIPE METROPOLITAN / M - 94 FLANGED SHOE WITH 6\"/>

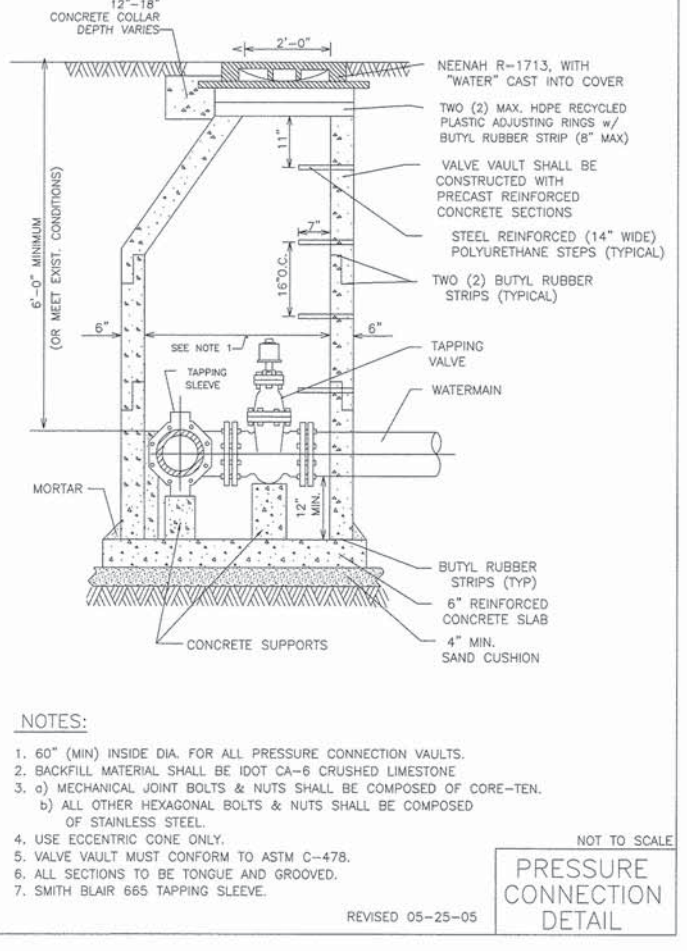
REVISED 05-25-05



NOTES:

1. TRENCH BACKFILL WITHIN AN EXISTING PAVED SURFACE SHALL CONSIST OF FLOWABLE FILL MEETING IDOT'S SPECIFICATIONS FOR CONTROLLED LOW STRENGTH MATERIAL (CLSM) MIX 1.
2. 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.
3. ALL TRENCH EXCAVATIONS SHALL MEET OSHA REQUIREMENTS.

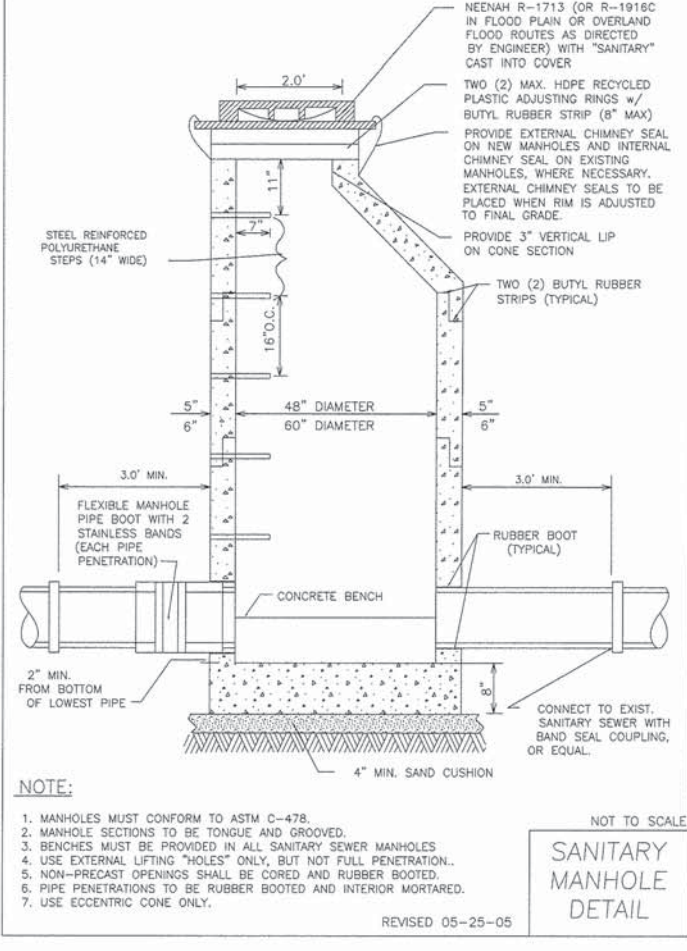
REVISED 11-04-04



NOTES:

1. 60\"/>
2. BACKFILL MATERIAL SHALL BE IDOT CA-6 CRUSHED LIMESTONE.
3. a) MECHANICAL JOINT BOLTS & NUTS SHALL BE COMPOSED OF CORE-TEN. b) ALL OTHER HEXAGONAL BOLTS & NUTS SHALL BE COMPOSED OF STAINLESS STEEL.
4. USE ECCENTRIC CONE ONLY.
5. VALVE VAULT MUST CONFORM TO ASTM C-478.
6. ALL SECTIONS TO BE TONGUE AND GROOVED.
7. SMITH BLAIR 665 TAPPING SLEEVE.

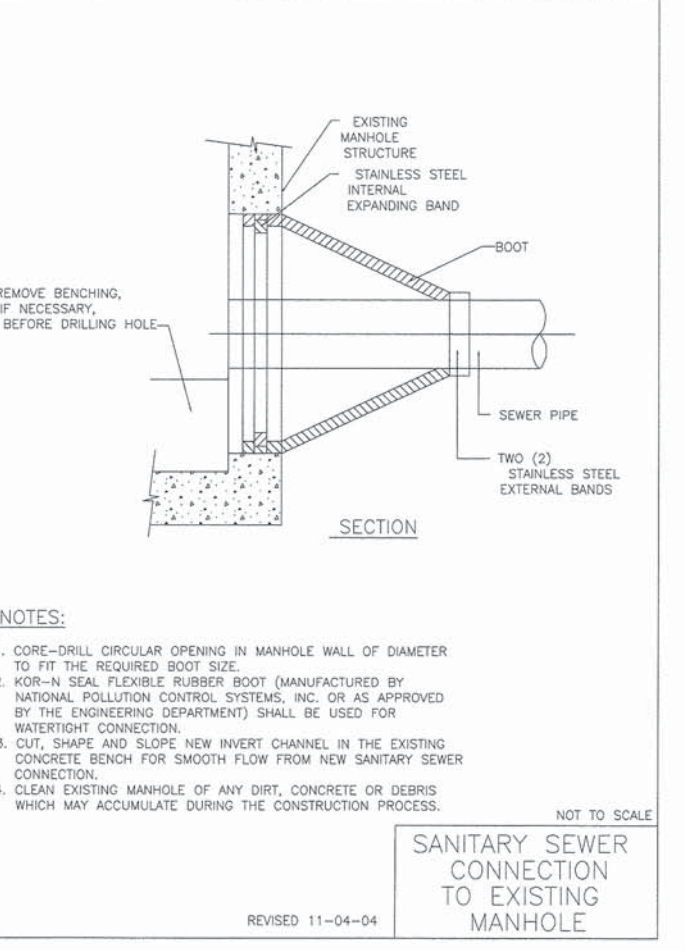
REVISED 05-25-05



NOTE:

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.

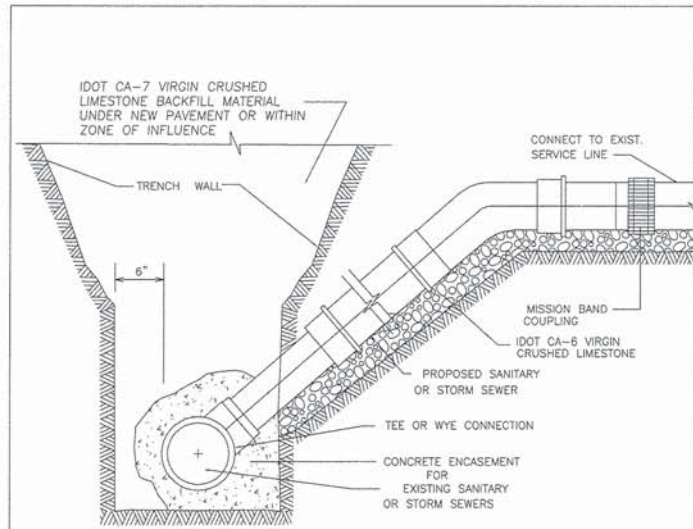
REVISED 05-25-05



NOTES:

1. CORE-DRILL CIRCULAR OPENING IN MANHOLE WALL OF DIAMETER TO FIT THE REQUIRED BOOT SIZE.
2. KOR-N SEAL FLEXIBLE RUBBER BOOT (MANUFACTURED BY NATIONAL POLLUTION CONTROL SYSTEMS, INC. OR AS APPROVED BY THE ENGINEERING DEPARTMENT) SHALL BE USED FOR WATERTIGHT CONNECTION.
3. CUT, SHAPE AND SLOPE NEW INVERT CHANNEL IN THE EXISTING CONCRETE BENCH FOR SMOOTH FLOW FROM NEW SANITARY SEWER CONNECTION.
4. CLEAN EXISTING MANHOLE OF ANY DIRT, CONCRETE OR DEBRIS WHICH MAY ACCUMULATE DURING THE CONSTRUCTION PROCESS.

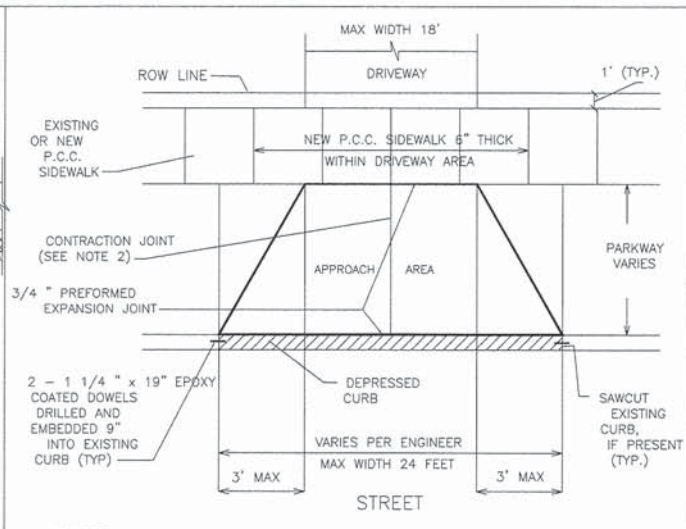
REVISED 11-04-04



- NOTES:**
1. MINIMUM 6" CONNECTION AT MAIN FOR STORM SEWER SERVICE. PIPE MUST BE CORED AND BOOT CONNECTION USED.
 2. FOR STORM SEWER SERVICE $\geq 8"$, A MANHOLE MUST BE INSTALLED.
 3. FOR SANITARY SEWER SERVICE CONNECTION TO EXISTING VILLAGE SEWER $\leq 12"$, A SECTION OF PIPE MUST BE REMOVED AND A TEE OR WYE INSTALLED.
 4. FOR SANITARY SEWER SERVICE CONNECTION TO EXISTING VILLAGE SEWER $\geq 15"$, PIPE MUST BE CIRCULAR SAW-CUT AND A HUB WYE OR TEE SADDLE CONNECTION INSTALLED.
 5. FOR ALL PROPOSED STORM OR SANITARY SERVICES, ALL CONNECTIONS MUST BE ENCASED IN LOW-STRENGTH CONCRETE TO PREVENT FITTING ROTATION.
 6. FOR TRENCHES WITHIN A PAVED SURFACE AREA, FLOWABLE FILL BACKFILL MEETING IDOT SPECIFICATIONS FOR CONTROLLED LOW-STRENGTH MATERIAL (CLSM) MIX 1 MUST BE USED.

REVISED 11-04-04

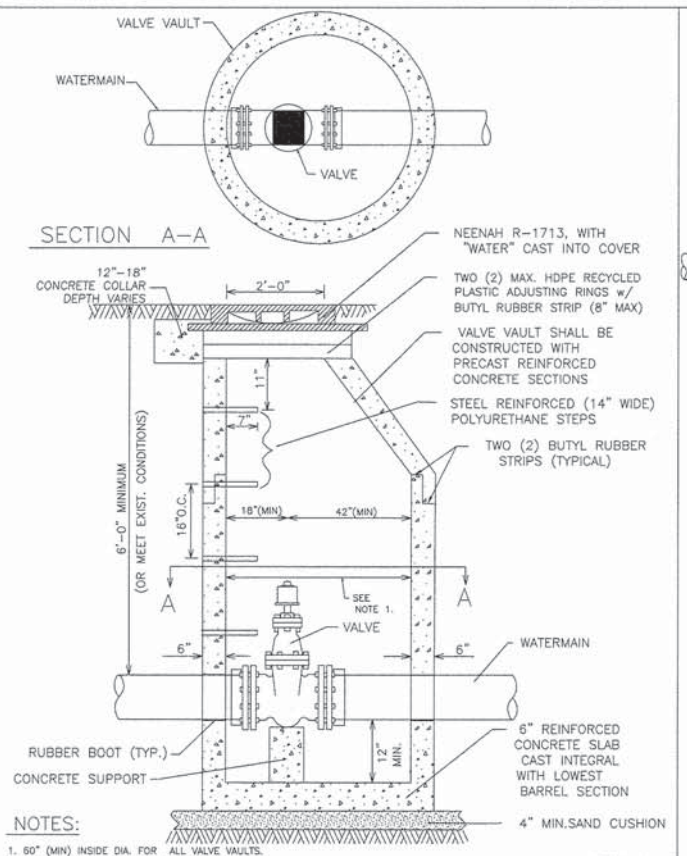
NOT TO SCALE
SANITARY & STORM SERVICE DETAIL



- NOTES:**
1. 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.
 2. FOR CONCRETE APPROACH WIDER THAN 16", A CONTRACTION JOINT SHALL BE LOCATED ALONG THE CENTERLINE.
 3. 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
 4. BITUMINOUS DRIVEWAYS:
APPROACH- 6" (MIN) IDOT CA-8 CRUSHED STONE AND 3" (MIN) BITUMINOUS CONCRETE
DRIVEWAY- 4" (MIN) IDOT CA-6 CRUSHED STONE AND 3" (MIN) BITUMINOUS CONCRETE
 5. 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
 6. MAINTAIN FULL SIDEWALK WIDTH THROUGH DRIVEWAYS UNLESS DIRECTED OTHERWISE BY VILLAGE ENGINEER. CURBING SHALL NOT RUN THROUGH SIDEWALK AREAS IN DRIVEWAYS.

REVISED 08-19-04

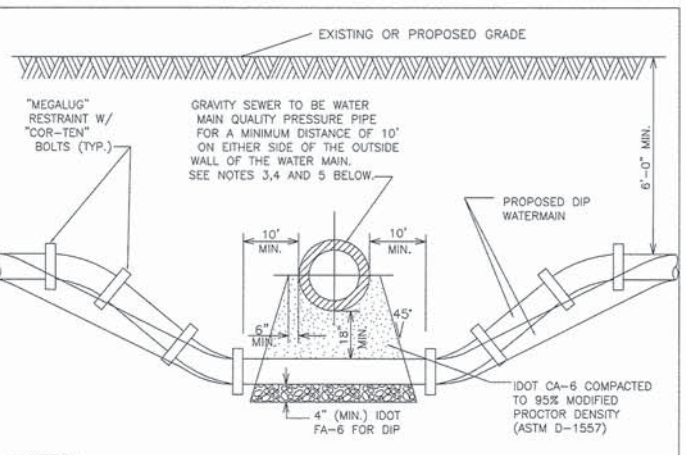
NOT TO SCALE
DRIVEWAY DETAIL



- 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-8 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.

REVISED 05-25-05

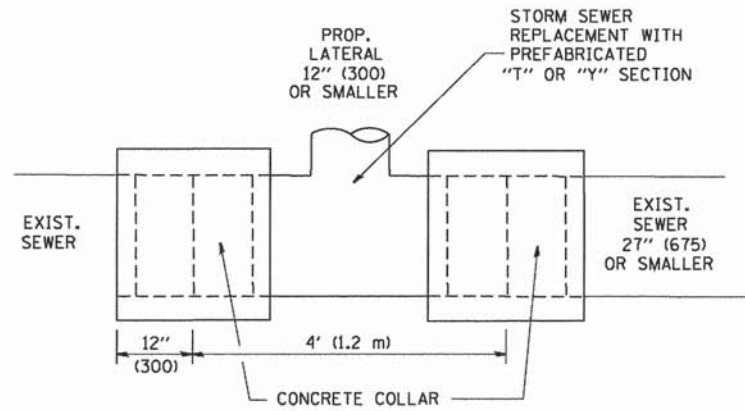
NOT TO SCALE
VALVE VAULT DETAIL



- NOTES:**
1. HORIZONTAL AND VERTICAL SEPARATION BETWEEN WATERMAINS AND SEWERS SHALL COMPLY WITH APPLICABLE SECTIONS OF THE VILLAGE OF DEERFIELD ENGINEERING GUIDE OR IEPA REQUIREMENTS, WHICHEVER IS MORE STRINGENT.
 2. CONTRACTOR MAY BEND WATER MAIN PIPE UNIFORMLY UNDER SEWERS WITHOUT USING FITTINGS, PROVIDED THAT JOINT DEFLECTION DOES NOT EXCEED 5 DEGREES PER JOINT FOR PIPE UNDER 14" IN DIAMETER AND 3 DEGREES PER JOINT FOR PIPE 14" AND OVER IN DIAMETER. IF FITTINGS ARE USED, CONTINUOUS STRAPPING WITH RODS, STRAPS, NUTS AND BOLTS BELOW NORMAL WATERMAIN DEPTH ARE REQUIRED, OR RETAINER GLANDS MAY BE USED IN LIEU OF STRAPPING. RETAINER GLANDS TO BE CLOW No. F-1058 OR APPROVED EQUAL.
 3. ALL SANITARY SEWER (INCLUDING SERVICE) CROSSINGS WHERE THE WATER MAINS OR WATER SERVICES ARE LESS THAN 18" VERTICALLY ABOVE THE SEWER SHALL BE POLYVINYL CHLORIDE PRESSURE PIPE (SDR 26-180 PSI) AND SHALL CONFORM WITH THE LATEST REVISION OF ASTM D- 2241. JOINTS SHALL CONFORM TO ASTM D-3139 AND ELASTOMERIC GASKETS SHALL CONFORM TO ASTM F-477. THE SAME PIPE AND JOINT MATERIALS SHALL BE USED WHENEVER WATER MAIN CROSSES BELOW THE SEWER.
 4. ALL STORM SEWER (INCLUDING SERVICE) CROSSINGS WHERE THE WATER MAINS ARE LESS THAN 18" VERTICALLY ABOVE THE SEWER SHALL BE REINFORCED CONCRETE PIPE, ASTM C-361, CLASS D-25, WITH BELL AND SPIGOT JOINTS AND RUBBER GASKETS, OR PVC SDR 26 AS SPECIFIED IN NOTE 3 ABOVE. THE SAME PIPE AND JOINT MATERIAL SHALL BE USED WHENEVER WATER MAIN CROSSES BELOW THE SEWER.
 5. FOR NEW SEWER INSTALLATIONS CROSSING OVER WATER MAINS, THE ENTIRE RUN OF NEW SEWER SHALL BE WATER MAIN QUALITY PIPE, EXTENDING FROM STRUCTURE TO STRUCTURE ON EACH SIDE OF THE CROSSING.

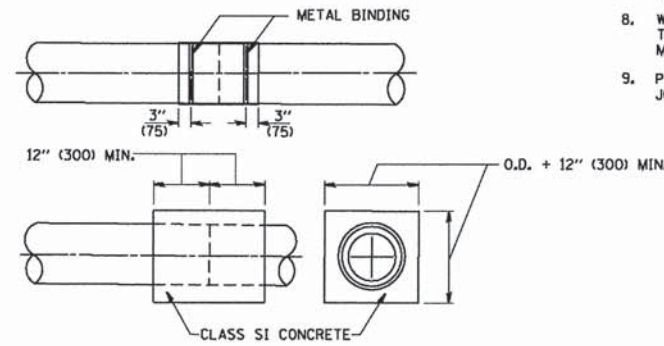
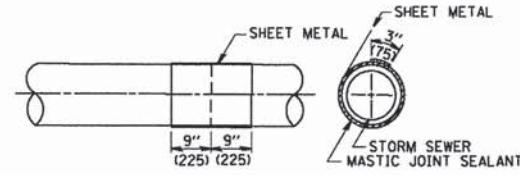
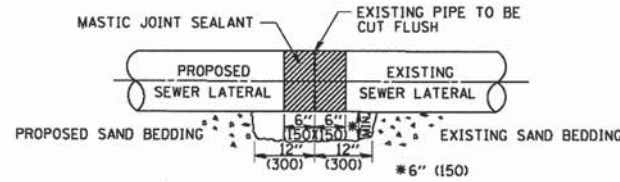
REVISED 11-04-04

NOT TO SCALE
WATER MAIN CROSSING DETAIL



DETAIL "A"

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

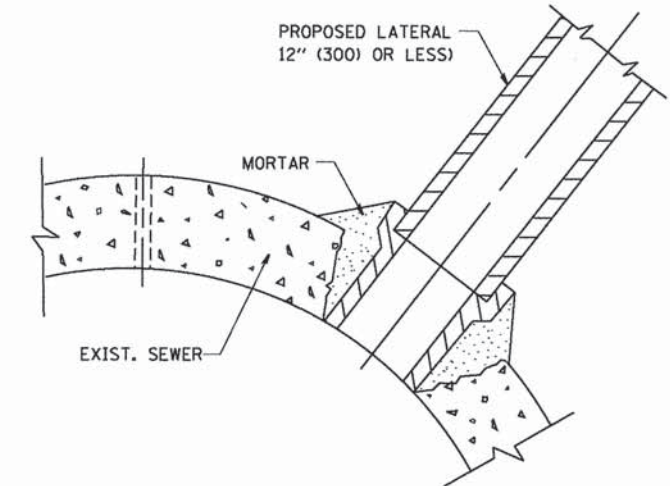


DETAIL "B"

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 OZZES 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.

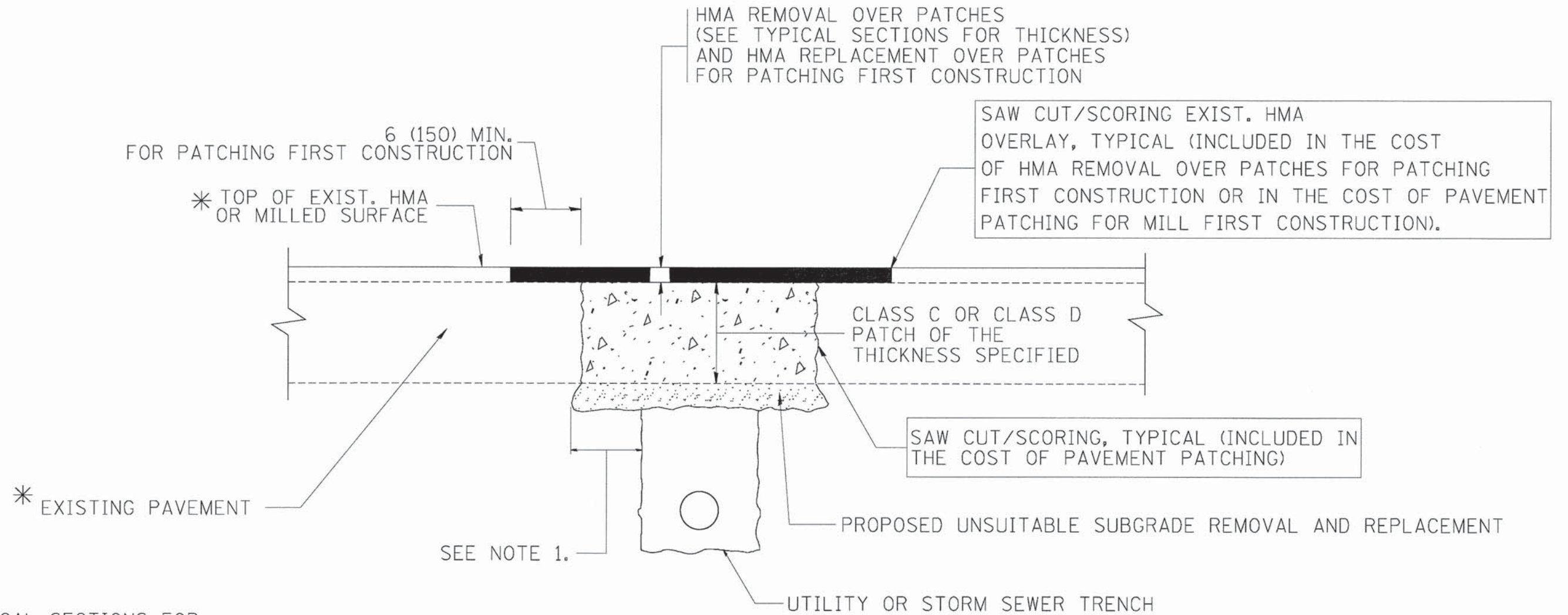
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		DRAWN -	REVISED - R. SHAH 09-09-94
	PLOT SCALE = 50.000' / IN.	CHECKED -	REVISED - R. SHAH 10-25-94
	PLOT DATE = 1/4/2008	DATE - 07-25-90	REVISED - R. SHAH 06-12-96

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. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3714	15-00100-00-PV	LAKE	50	36
BD500-01 (BD-7)			CONTRACT NO. 61C40	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



* SEE TYPICAL SECTIONS FOR THICKNESS AND MATERIALS

NOTES:

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

SEQUENCE OF CONSTRUCTION (PATCHING FIRST)

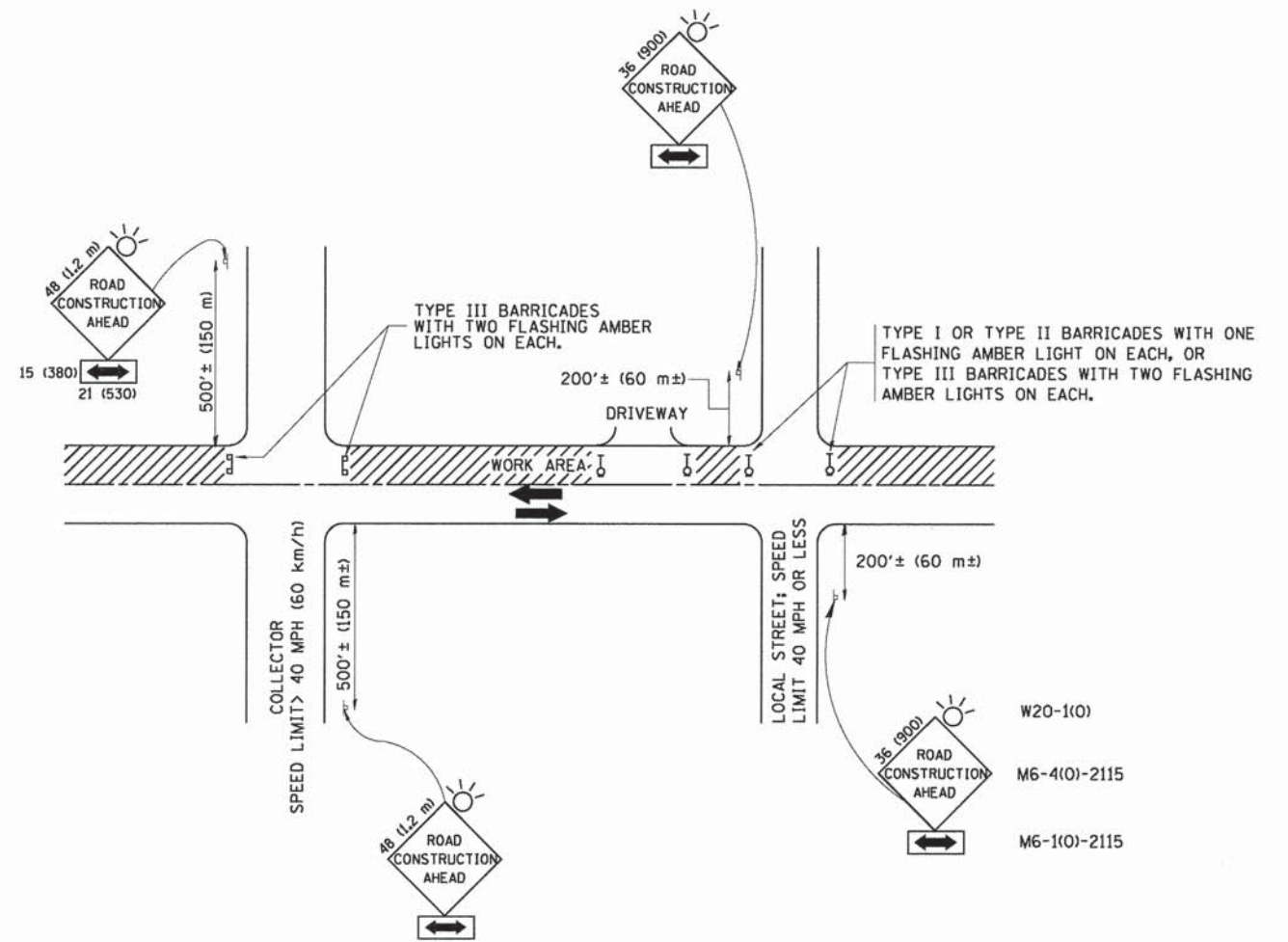
1. REMOVE THE EXISTING HMA MATERIAL OVER THE AREA TO BE PATCHED.
2. REMOVE AND REPLACE WITH CLASS C OR D PATCH.
3. REPLACE HMA MATERIAL OVER THE AREA TO BE PATCHED.

SEQUENCE OF CONSTRUCTION (MILLING FIRST)

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

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

FILE NAME = a:\projects\diststd22x34\bd22.dgn	USER NAME = beuerdl	DESIGNED - R. SHAH	REVISED - A. ABBAS 04-27-98	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT			F.A. RTE. = 3714	SECTION = 15-00100-00-PV	COUNTY = LAKE	TOTAL SHEETS = 50	SHEET NO. = 37
	PLOT SCALE = 50.000' / IN.	CHECKED -	REVISED - R. BORO 01-01-07		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA. TO STA.	BD400-04 (BD-22)		CONTRACT NO. 61C40		
	PLOT DATE = 10/27/2008	DATE = 10-25-94	REVISED - K. ENG 10-27-08		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT							



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

NOTES:

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

1. SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - a) ONE ROAD CONSTRUCTION AHEAD SIGN 36 x 36 (900x900) WITH A FLASHER AND FLAG MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.
 - b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.
2. SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - a) ONE ROAD CONSTRUCTION AHEAD SIGN 48 x 48 (1.2 m x 1.2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE OF THE MAIN ROUTE.
 - b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.
3. WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).

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

USE APPLICABLE PORTIONS OF THE TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES (STD. 701501, STD. 701606 OR THE APPROPRIATE STANDARD). THE SPACING OF SIGNS AND BARRICADES SHALL BE ADJUSTED FOR FIELD CONDITIONS AS DIRECTED BY THE ENGINEER. THE DIRECTIONAL ARROW SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE SIDE ROAD LANE CLOSURE.

C. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAY UNLESS OTHERWISE NOTED.

D. THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCIDENTAL TO THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

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

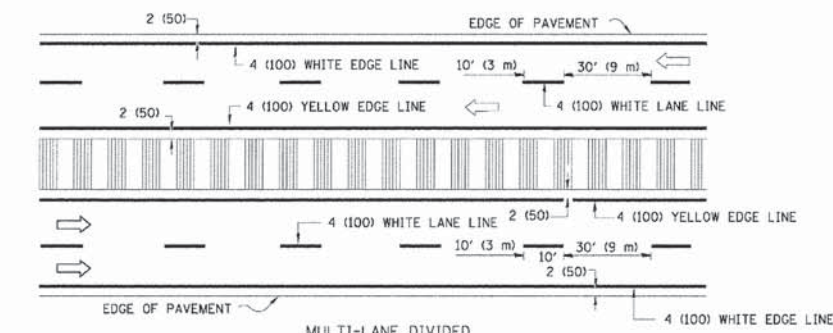
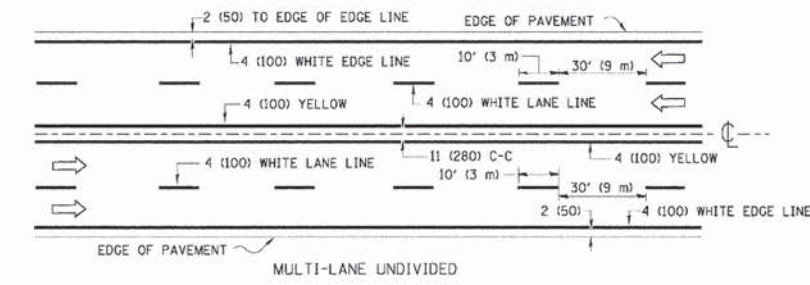
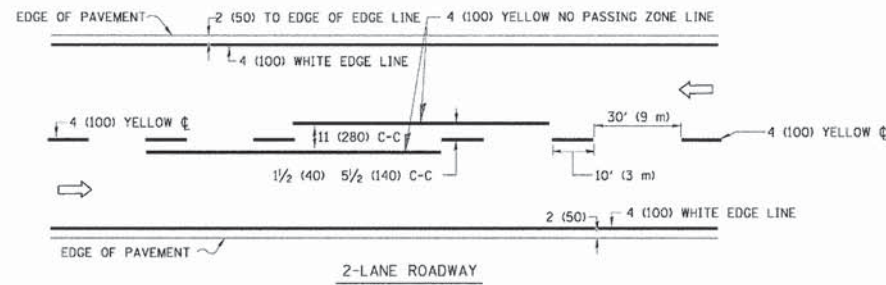
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		DATE - 06-89	REVISED - T. RAMMACHER 01-06-00

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

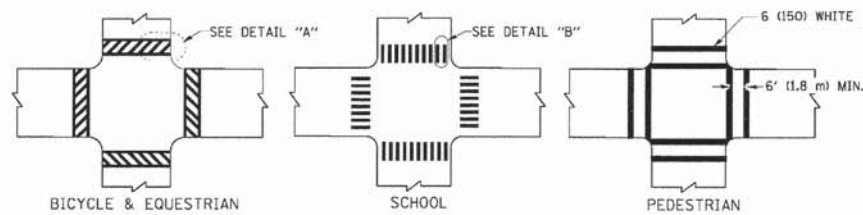
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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TC-10			CONTRACT NO. 61C40	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

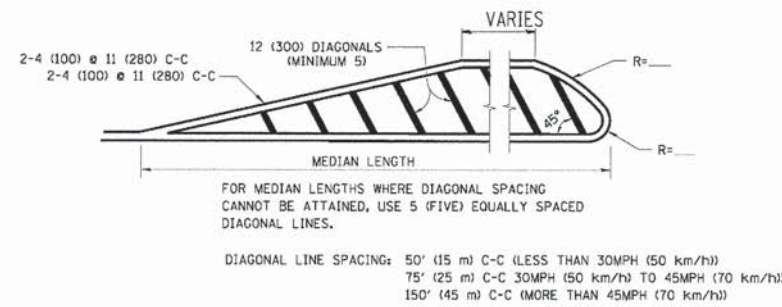
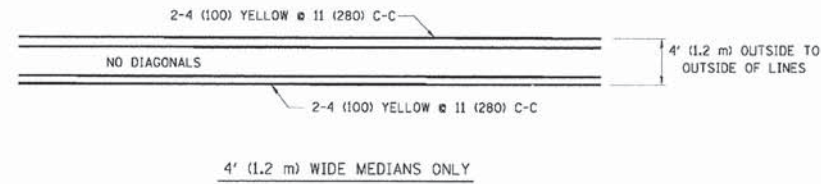


NOTE: MEDIANS WITH BARRIER CURB DO NOT REQUIRE AN EDGE LINE

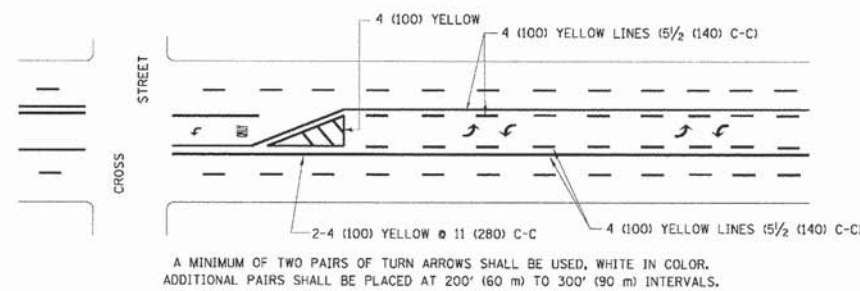
TYPICAL LANE AND EDGE LINE MARKING



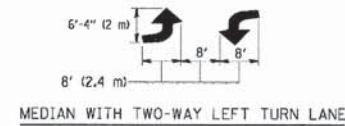
TYPICAL CROSSWALK MARKING



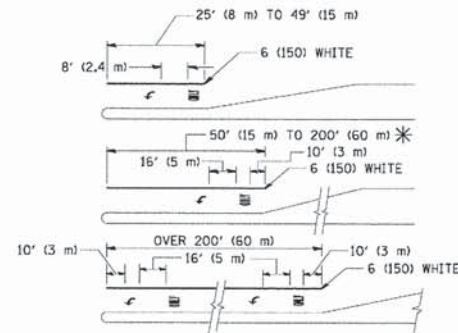
MEDIANS OVER 4' (1.2 m) WIDE



TYPICAL PAINTED MEDIAN MARKING



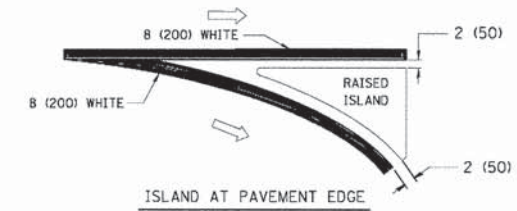
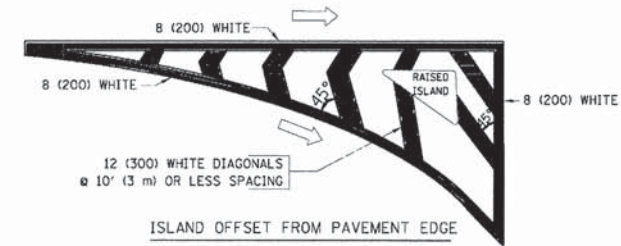
MEDIAN WITH TWO-WAY LEFT TURN LANE



FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.
 * 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



TYPICAL ISLAND MARKING

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING / REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES: FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 @ 4 (100)	SOLID SOLID	YELLOW YELLOW	5 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 MOUNTABLE MEDIANS IN YELLOW; EDGE LINES ARE NOT USED NEXT TO BARRIER CURB
TURN LANE MARKINGS	6 (150) LINE; FULL SIZE LETTERS & SYMBOLS (8' (2.4 m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION 8' (2.4 m) 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 SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT. OTHERWISE, PLACE AT DESIRED STOPPING POINT, PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE
PAINTED MEDIANS	2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45° NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS	SOLID	YELLOW: TWO WAY TRAFFIC WHITE: ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
GORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES; "RR" IS 6' (1.8 m) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "R"=3.6 SQ. FT. (0.33 m²) EACH "X"=54.0 SQ. FT. (5.0 m²)
SHOULDER DIAGONALS	12 (300) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (OVER 45MPH (70 km/h))

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

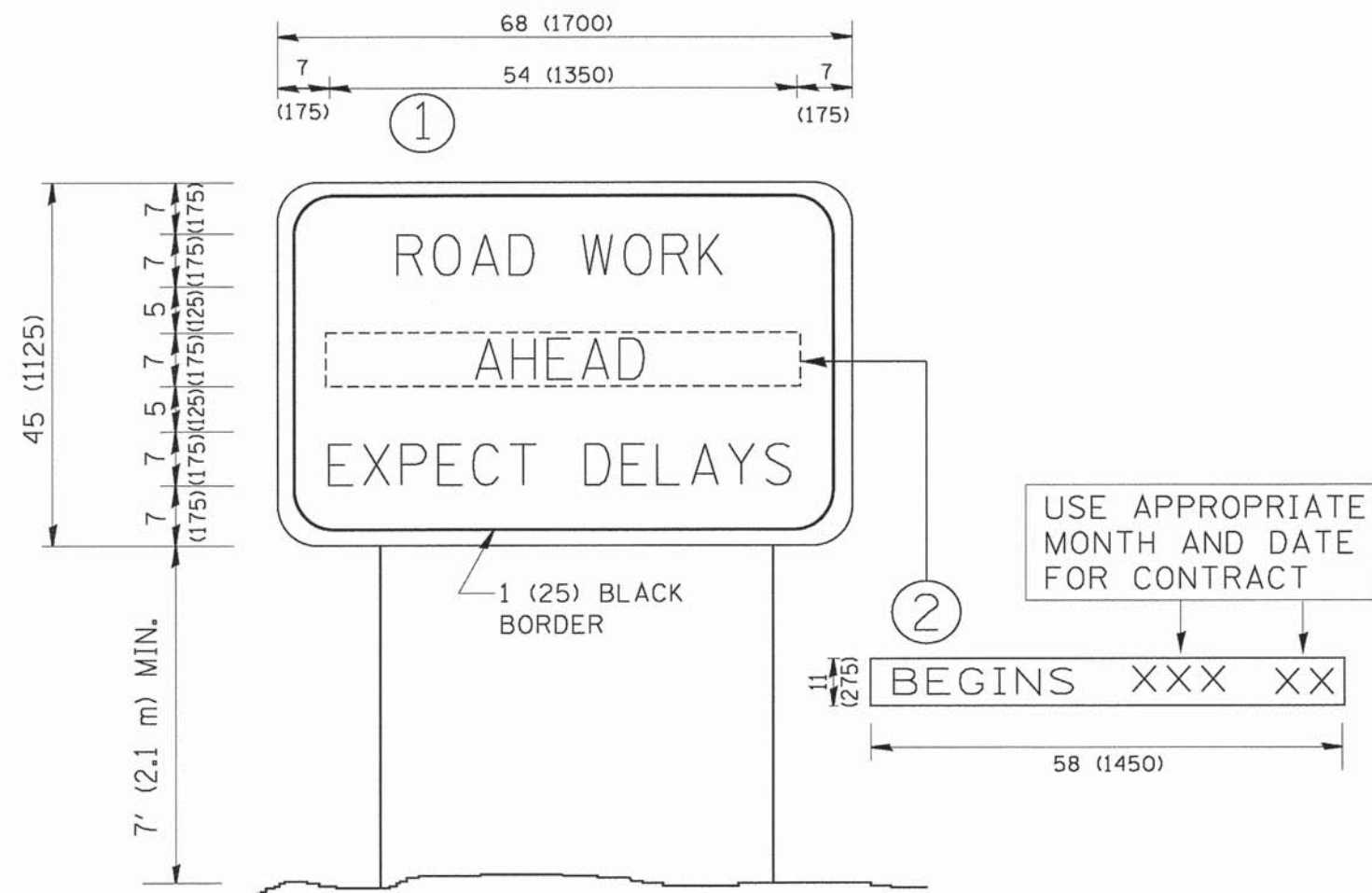
All dimensions are in inches (millimeters) unless otherwise shown.

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STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

DISTRICT ONE			
TYPICAL PAVEMENT MARKINGS			
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA. TO STA.	

F.A. -	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3714	15-00100-00-PV	LAKE	50	39
TC-13		CONTRACT NO. 61C40		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



NOTES:

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

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

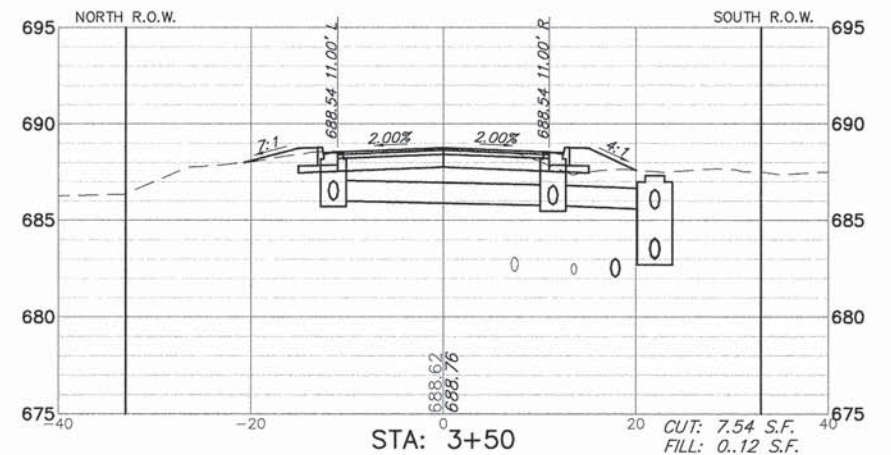
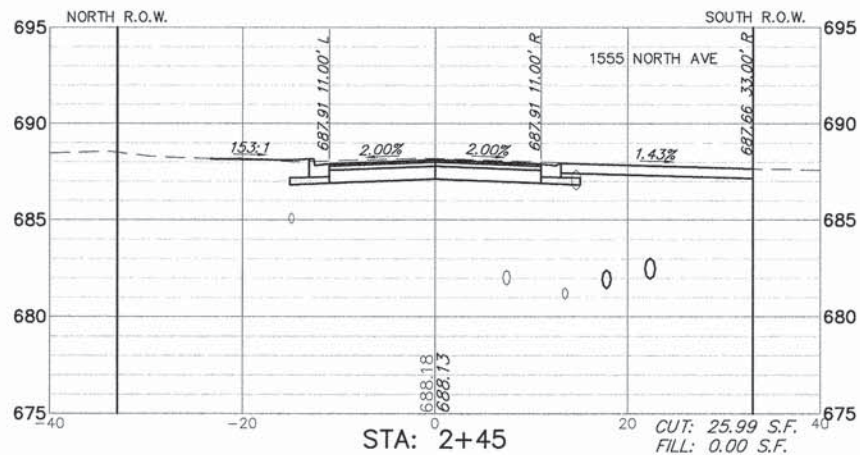
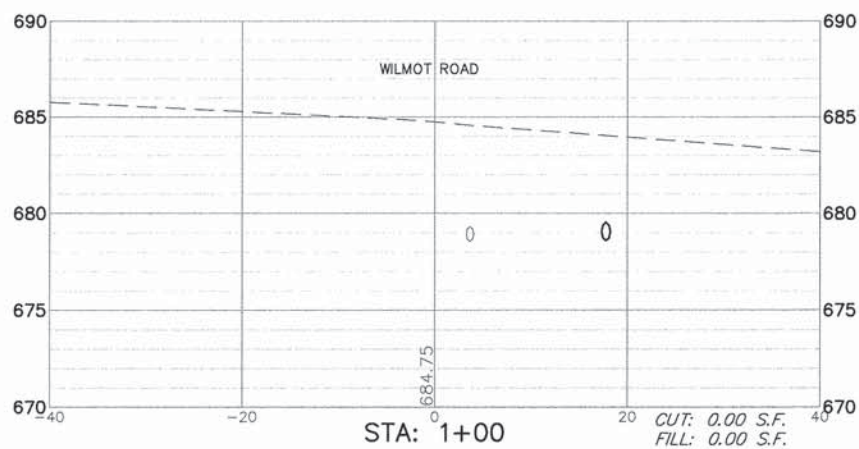
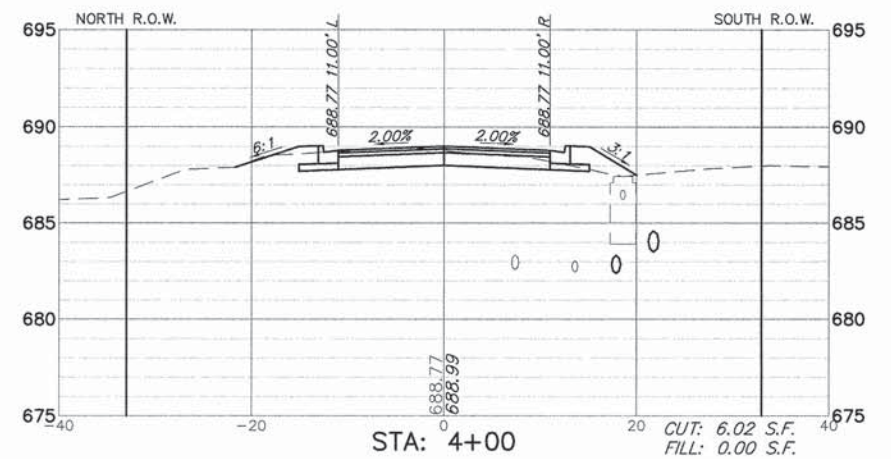
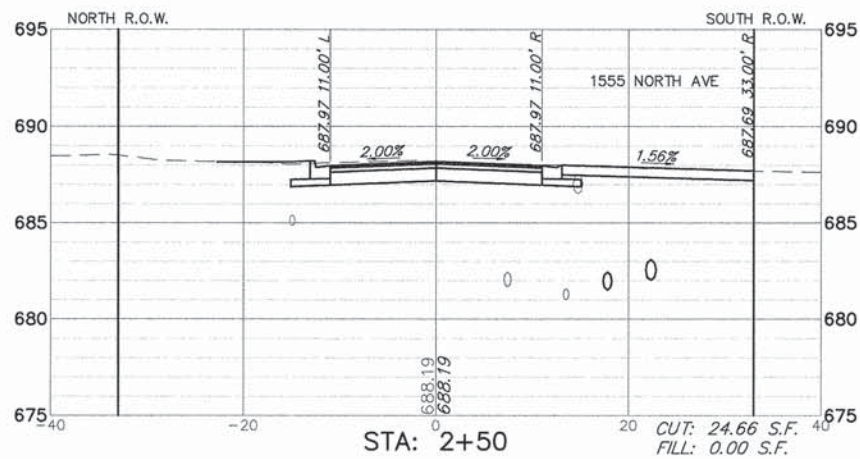
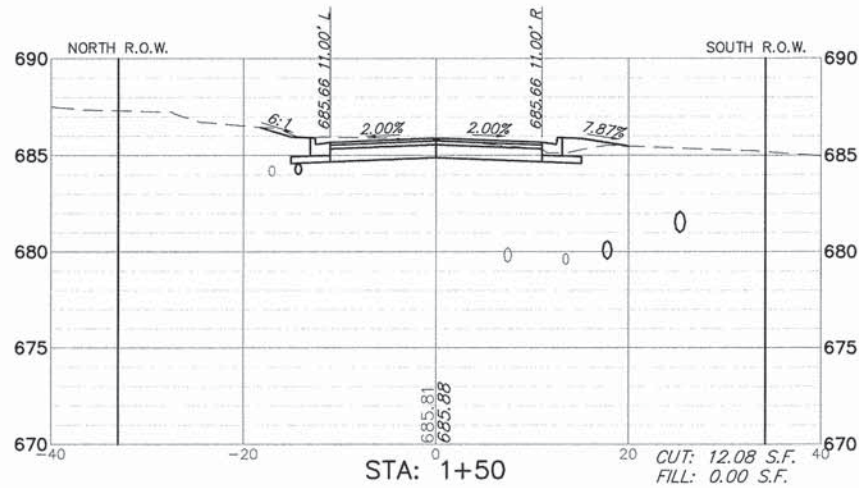
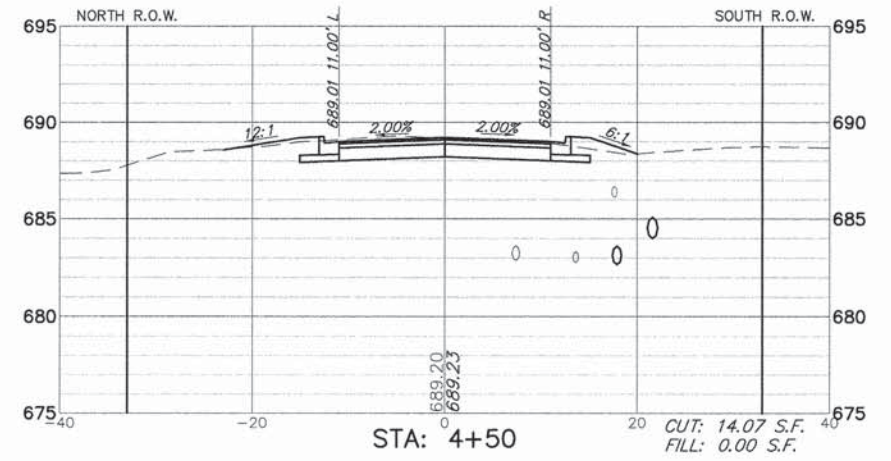
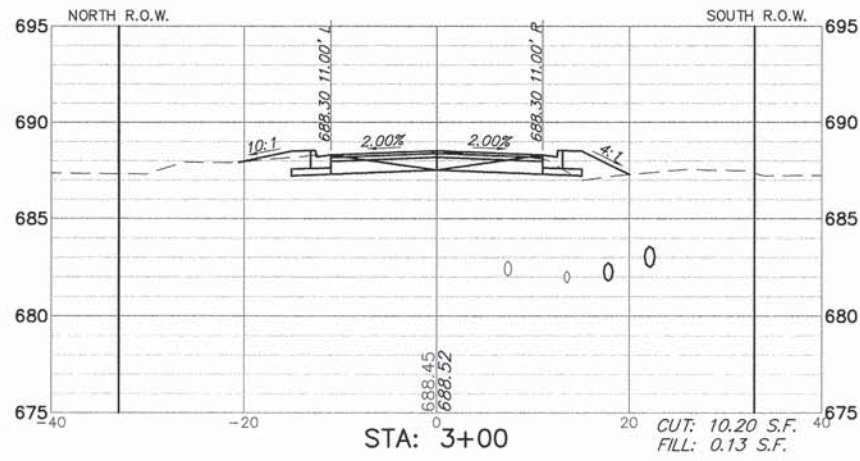
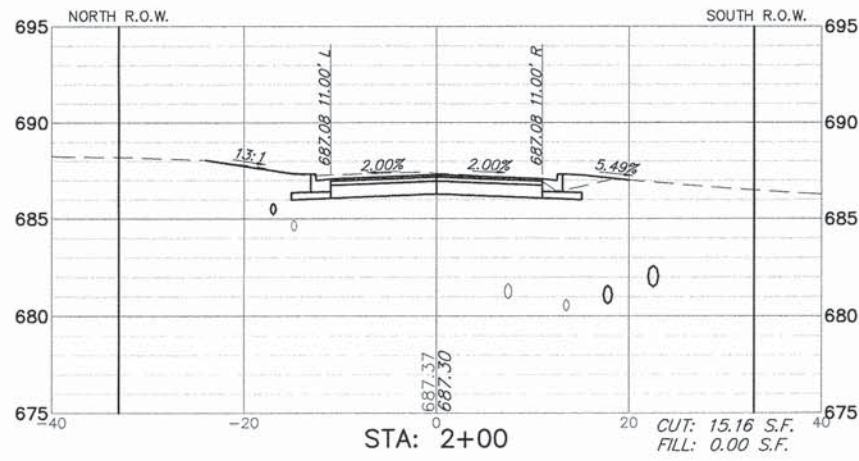
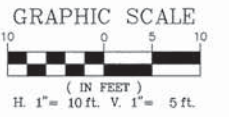
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ARTERIAL ROAD
INFORMATION SIGN

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3714	15-00100-00-PV	LAKE	50	40
TC-22			CONTRACT NO. 61C40	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



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B101-805-pr1.dwg	

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DATE -	REVIS -

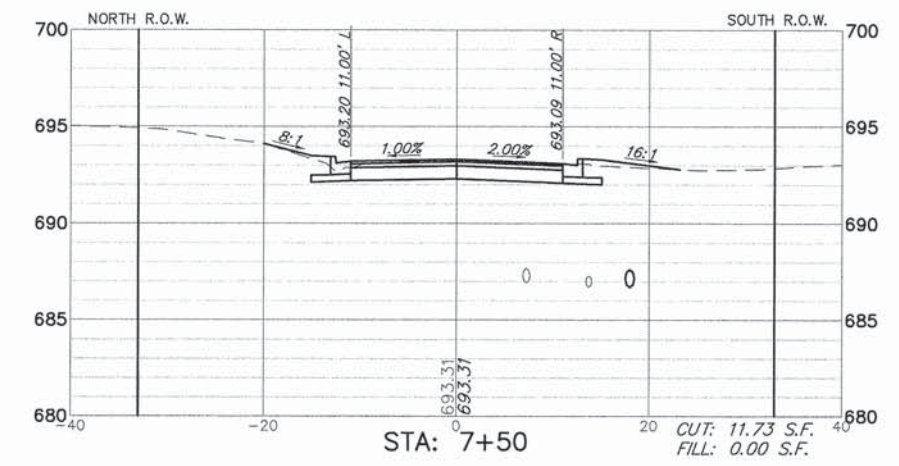
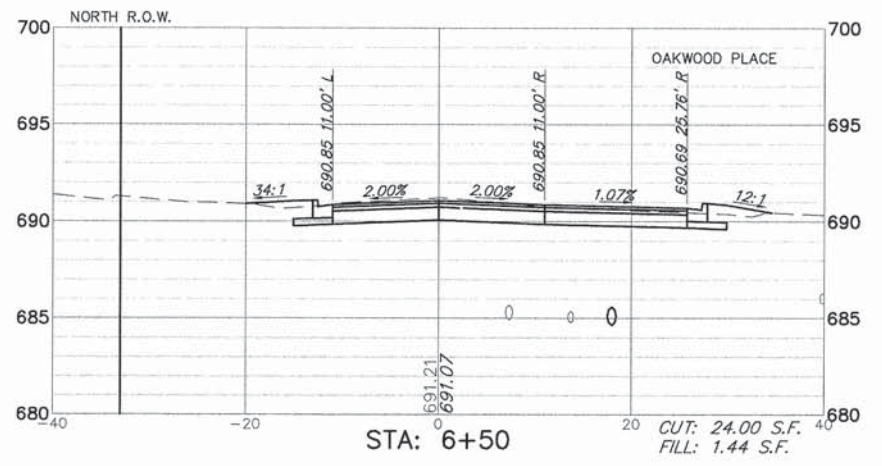
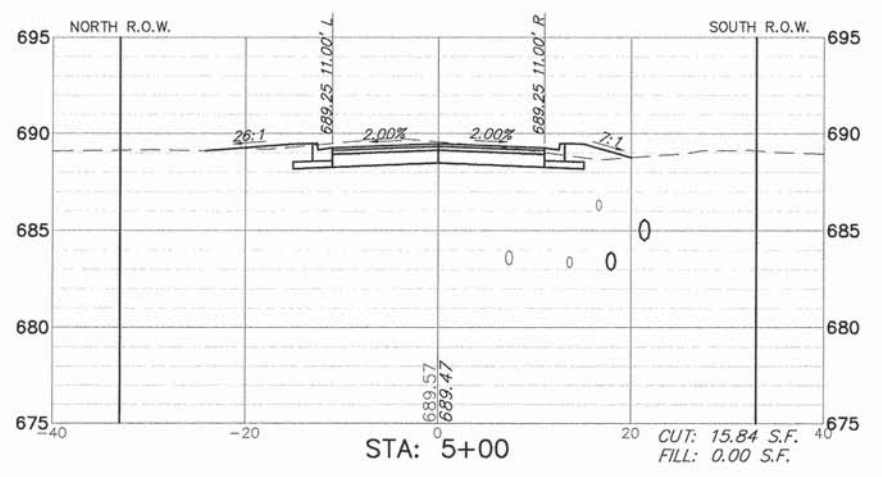
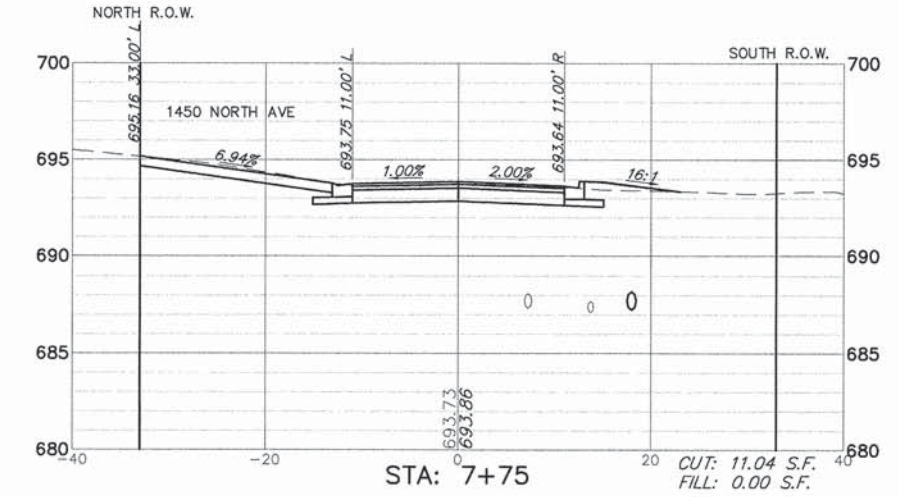
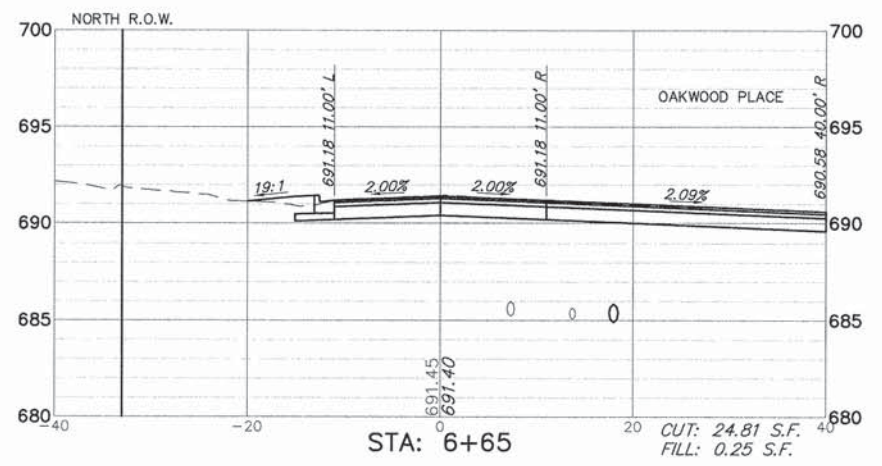
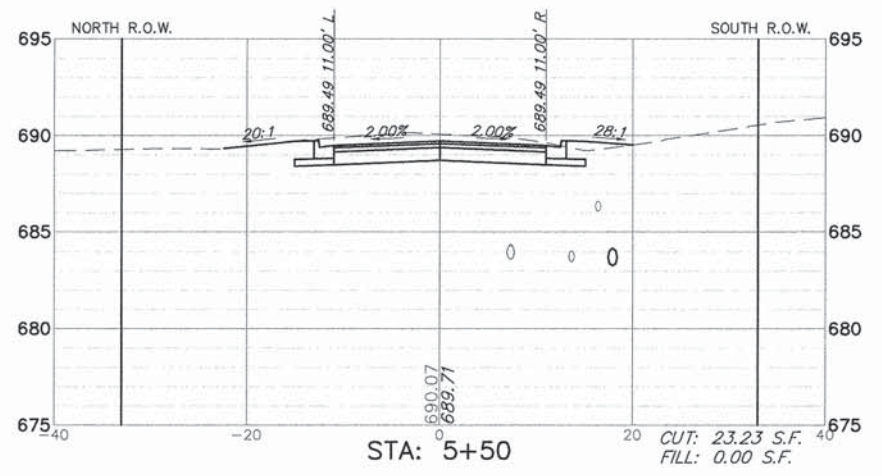
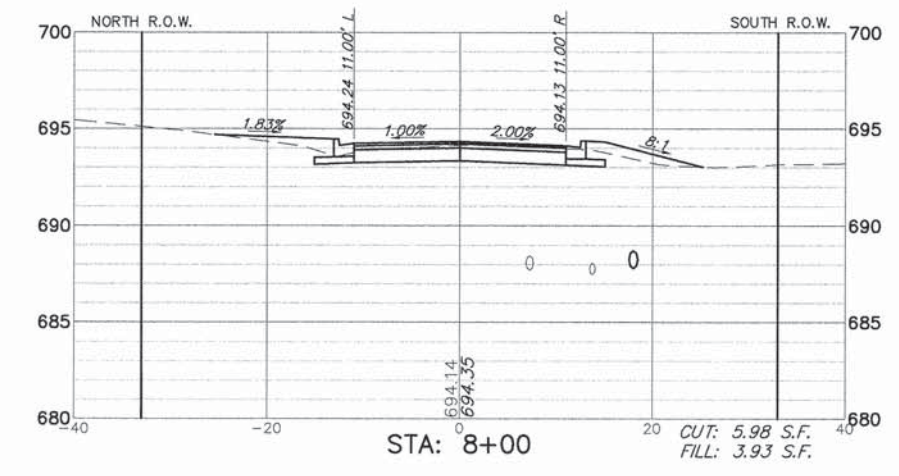
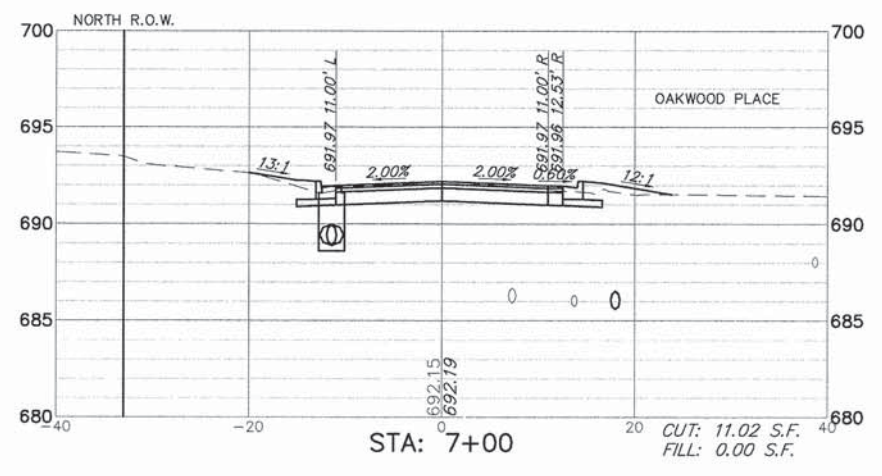
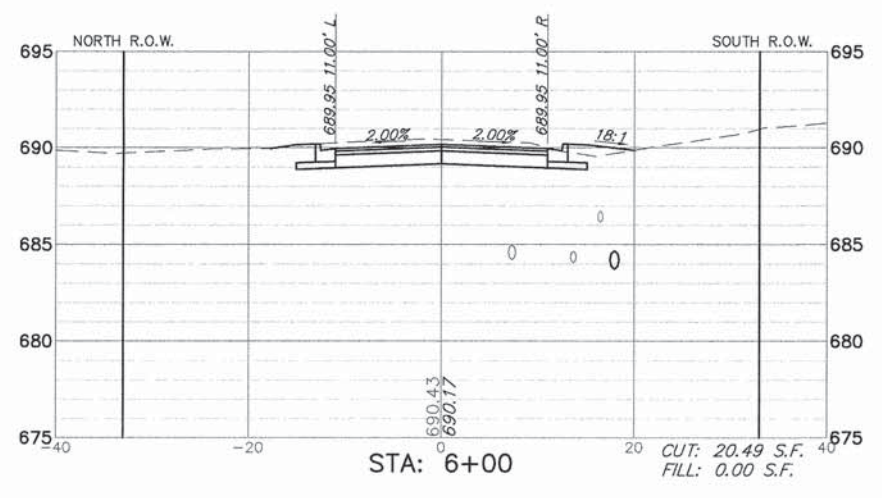
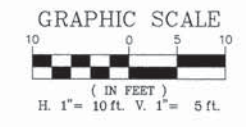
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS

SCALE AS NOTED	SHEET NO. - OF - SHEETS	STA. - TO STA. -
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FA RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT #:				61C40
ILLINOIS FED. AID PROJECT				



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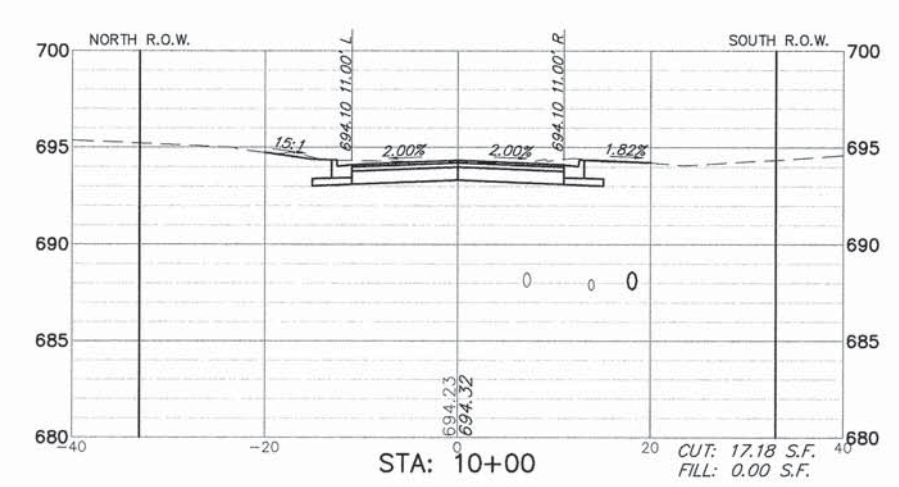
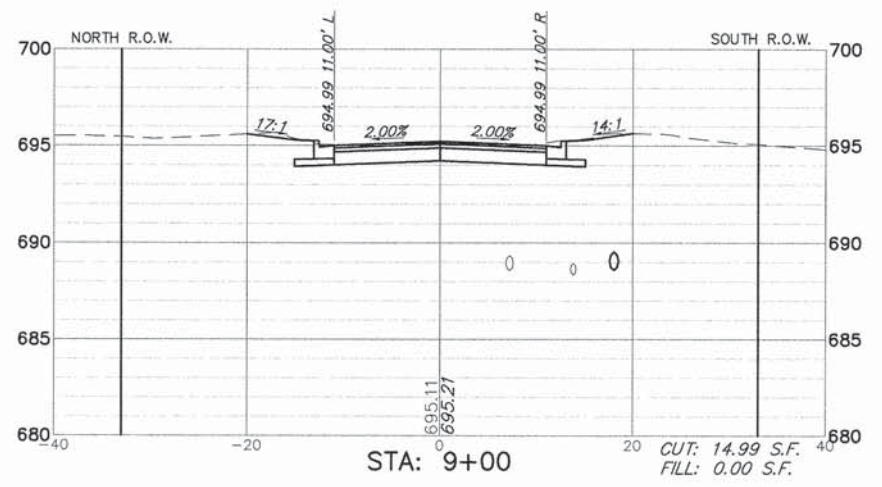
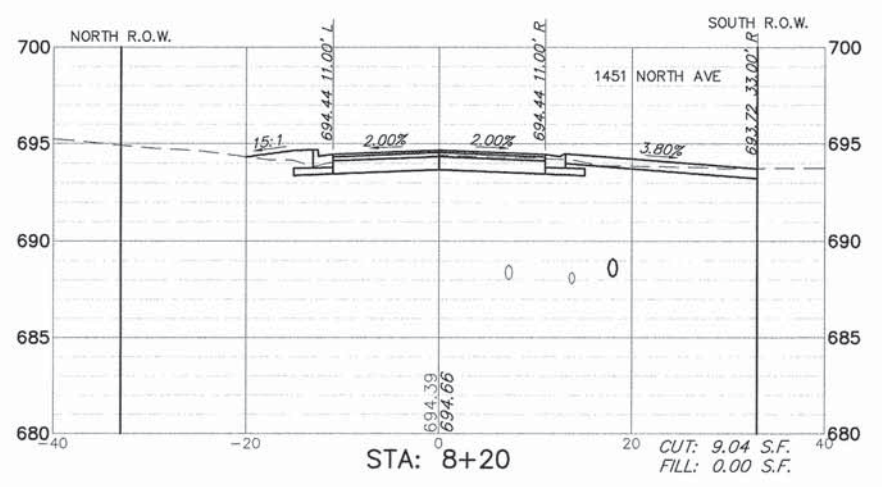
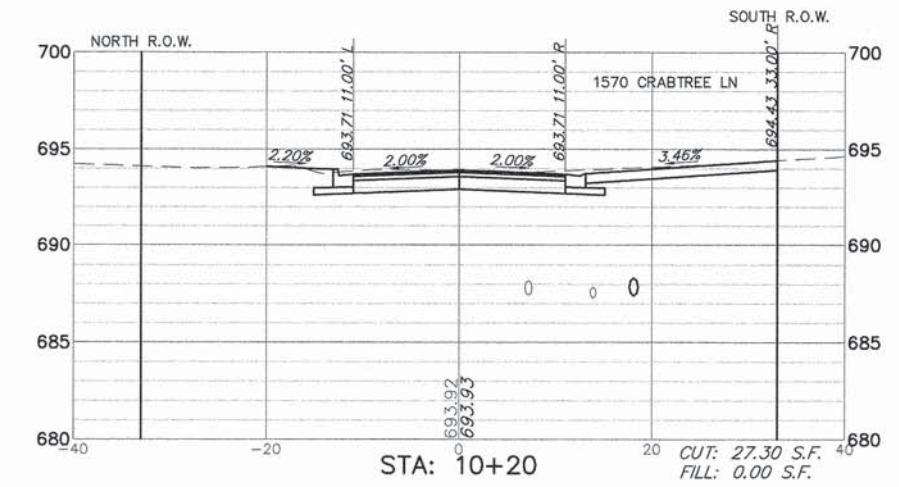
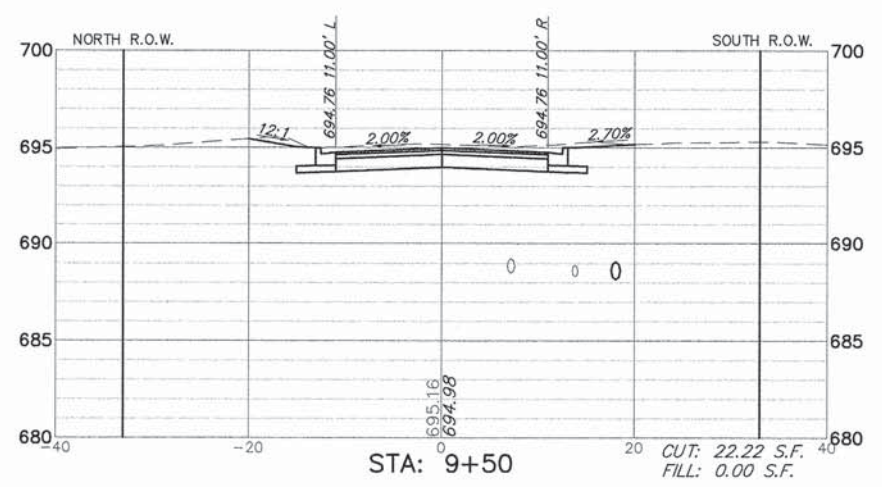
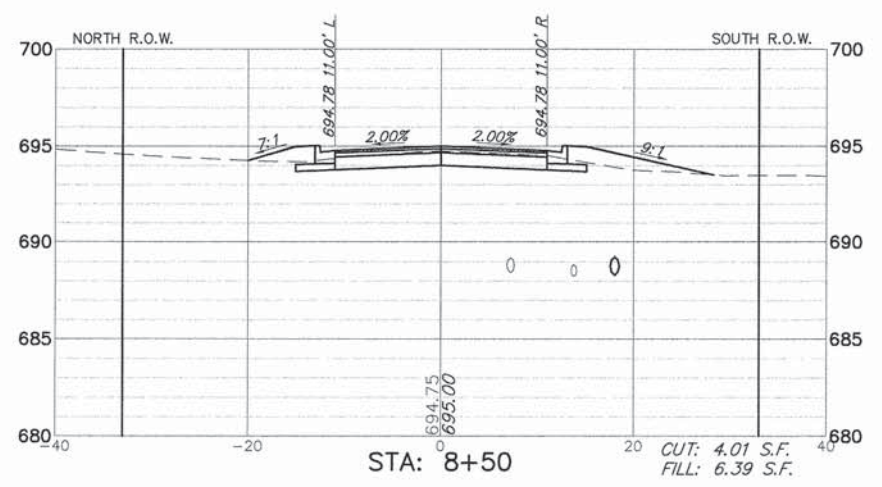
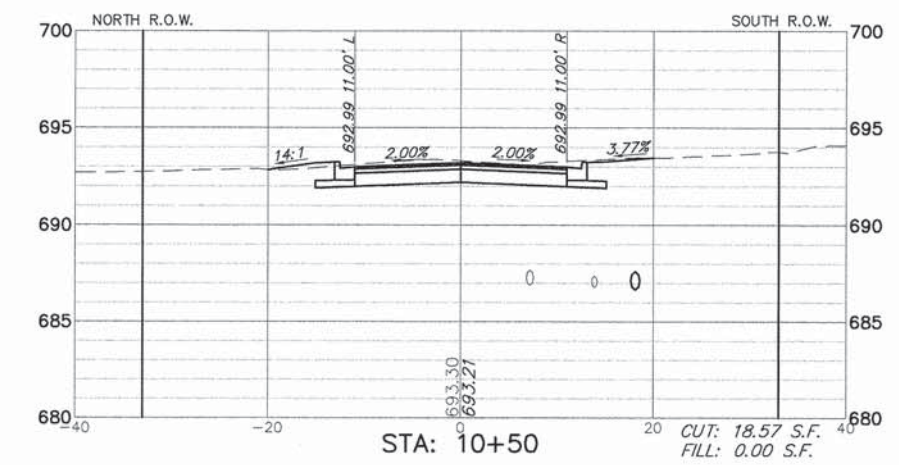
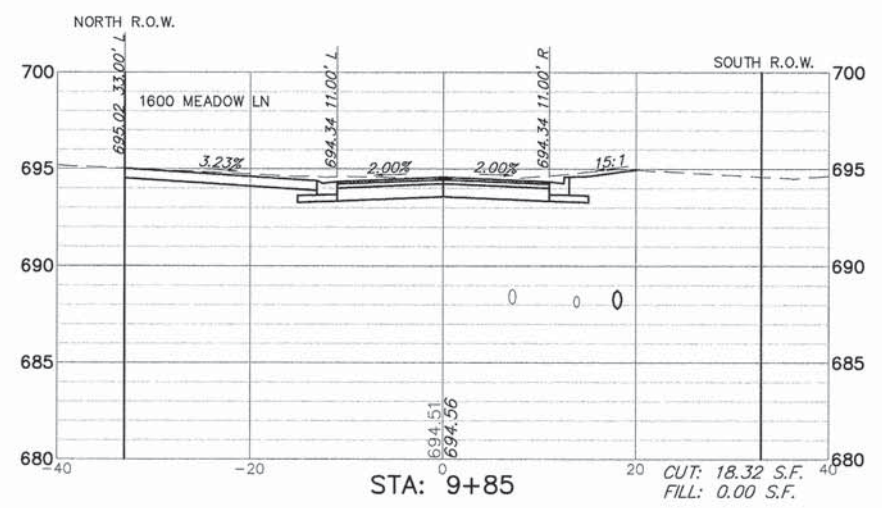
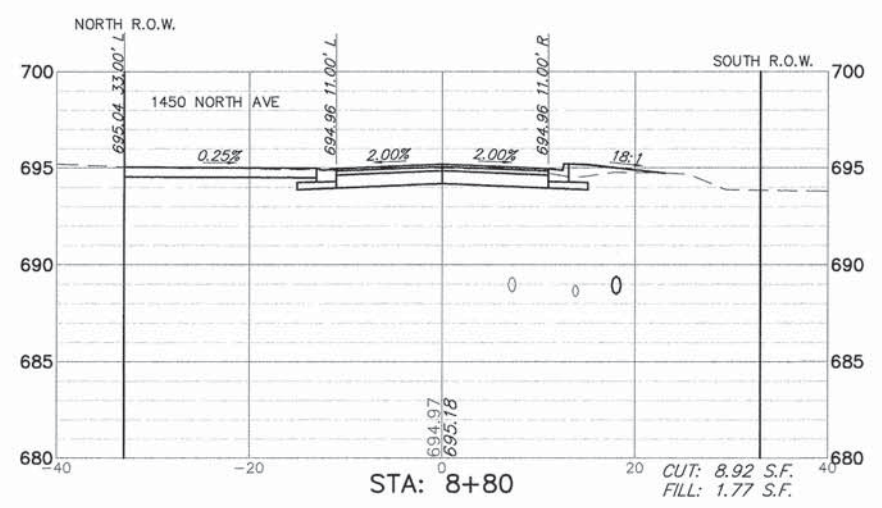
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS

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FA RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3714	15-00100-00-PV	LAKE	50	42
CONTRACT # 61C40				
ILLINOIS FED. AID PROJECT				



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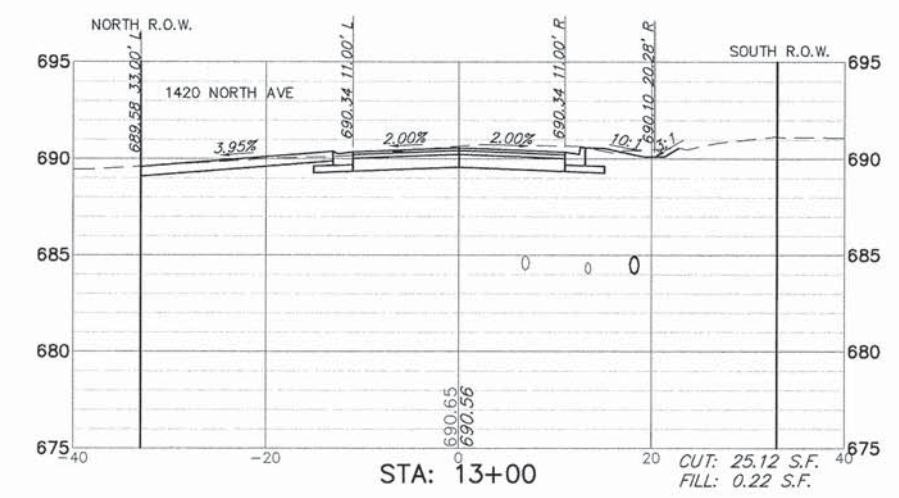
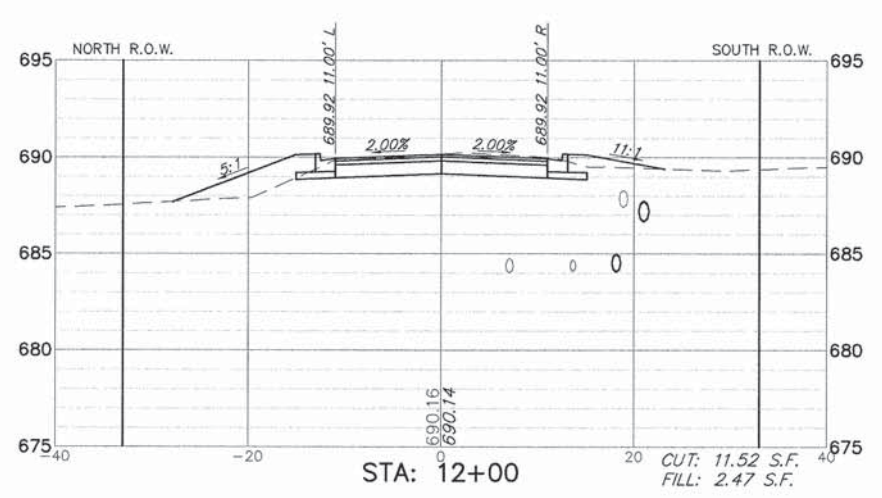
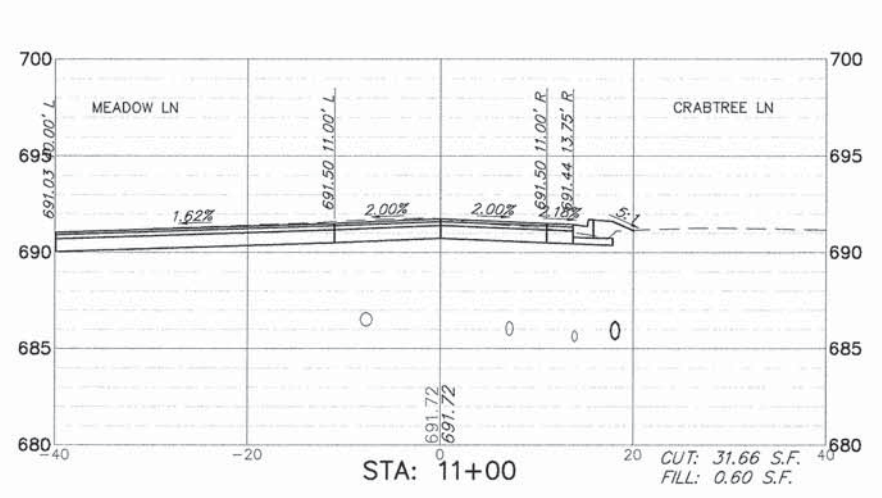
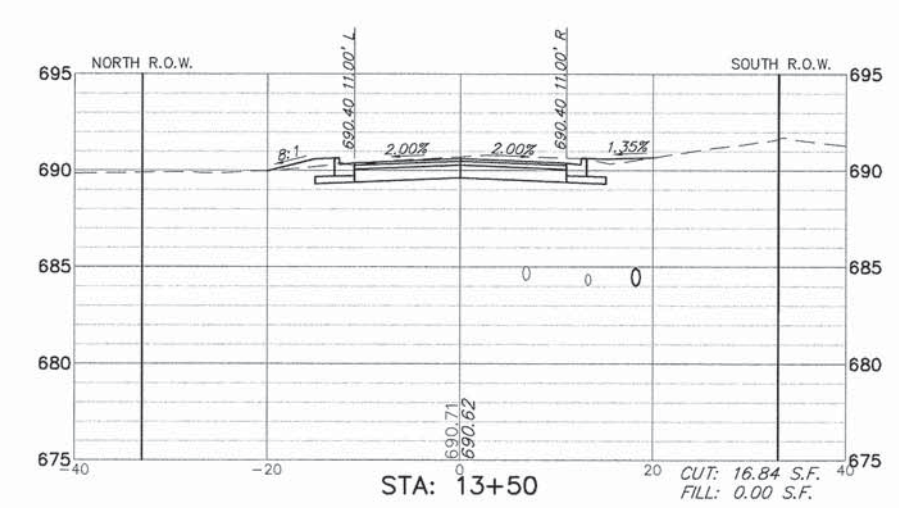
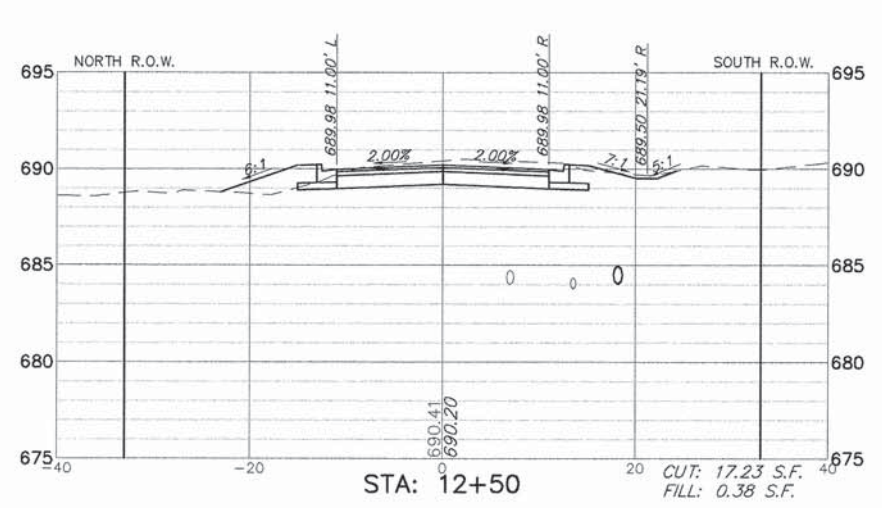
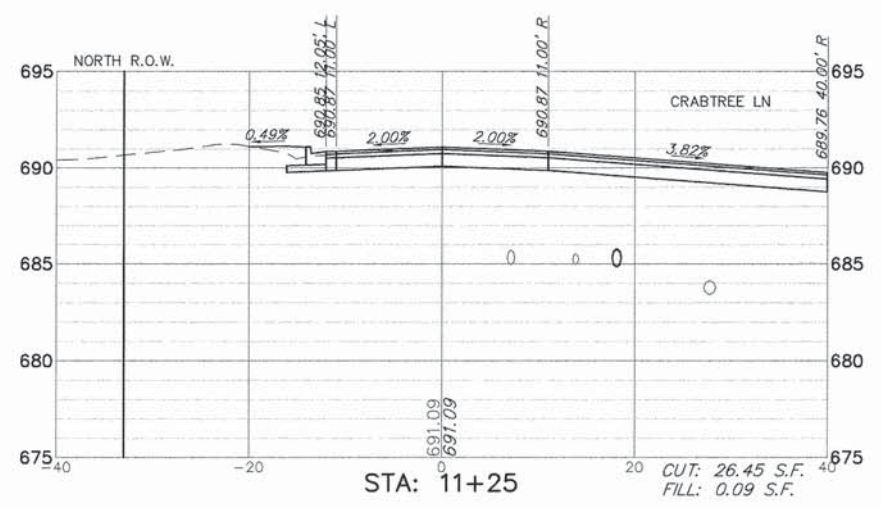
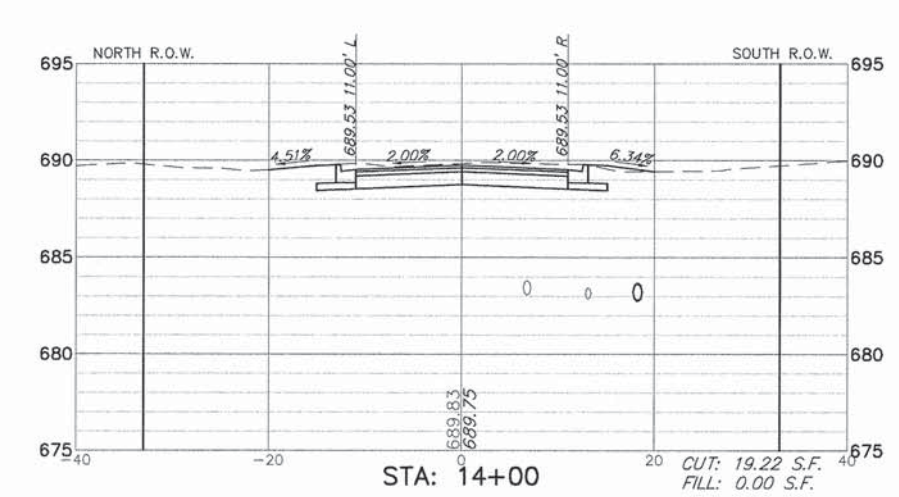
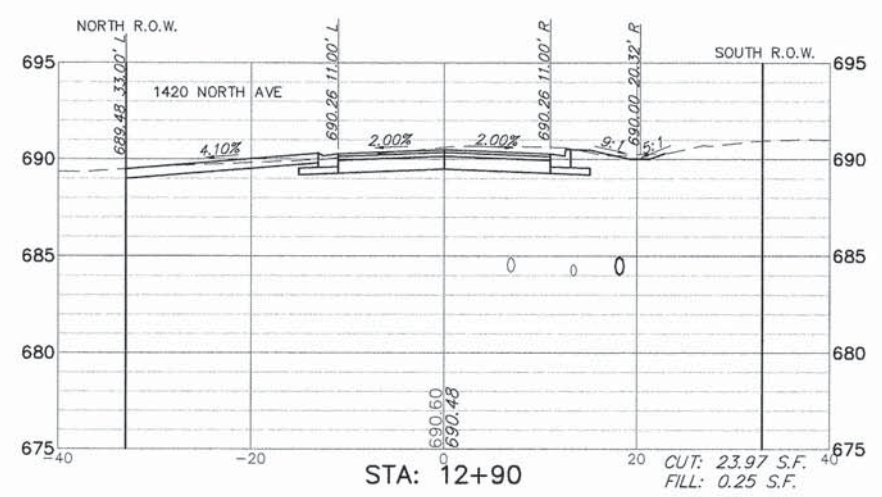
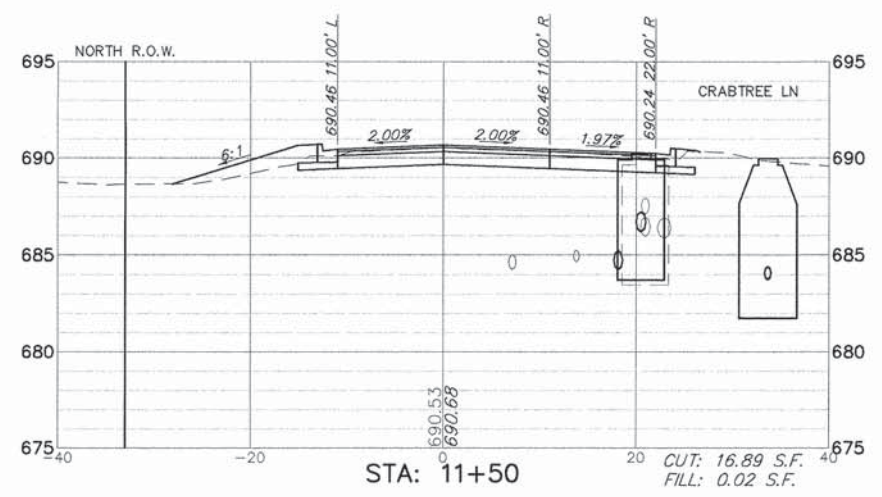
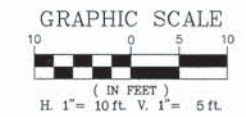
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS

SCALE AS NOTED SHEET NO. - OF - SHEETS STA. - TO STA. -

FA RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3714	15-00100-00-PV	LAKE	50	43
CONTRACT # 61C40				
ILLINOIS FED. AID PROJECT				



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PLOT DATE = 01.10.15

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CHECKED - DJG
DATE - -

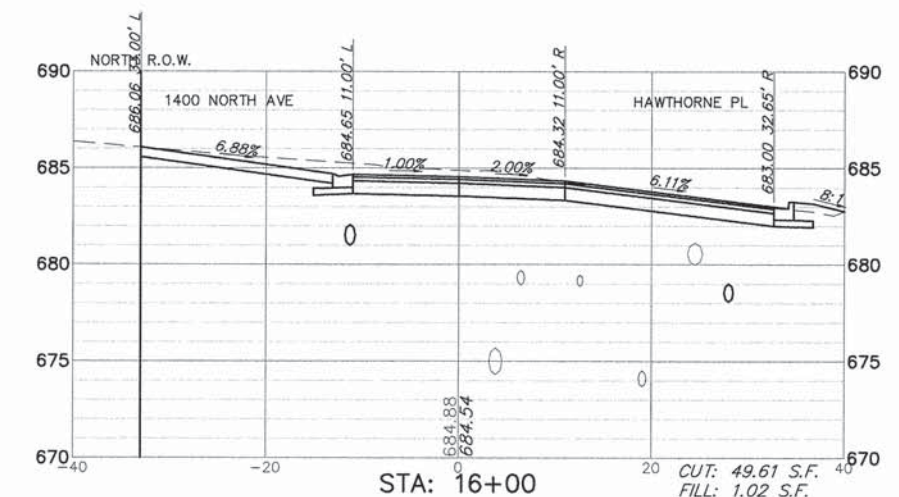
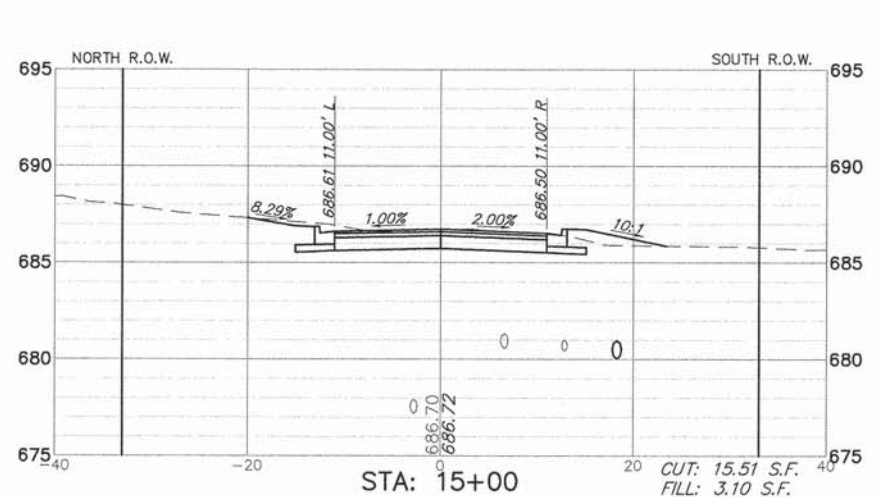
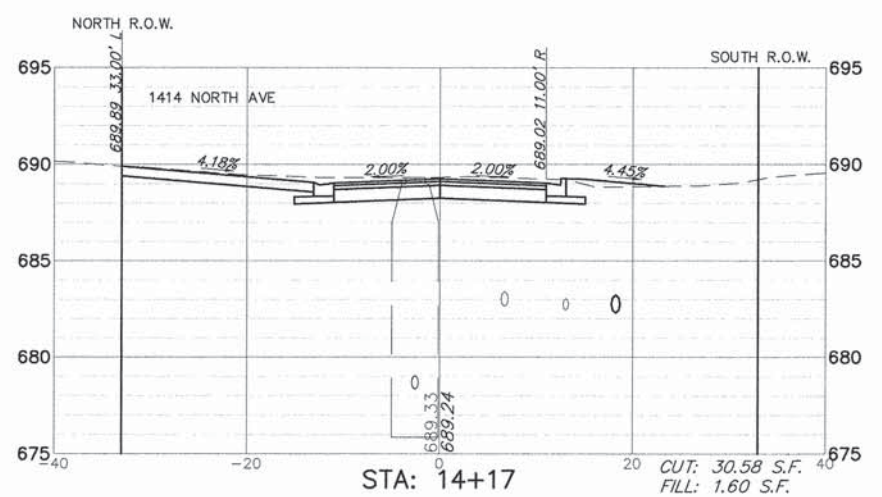
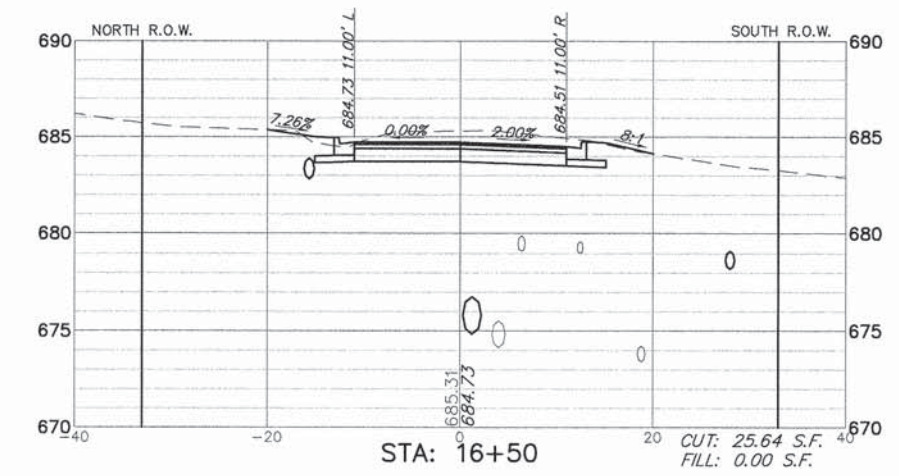
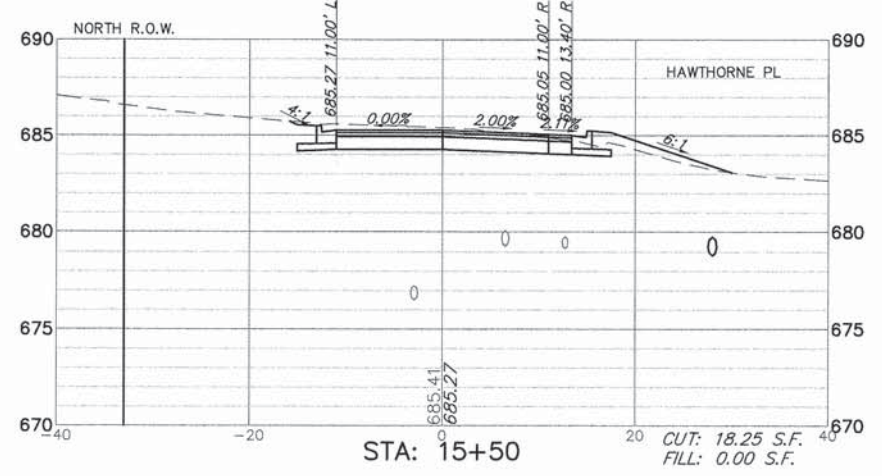
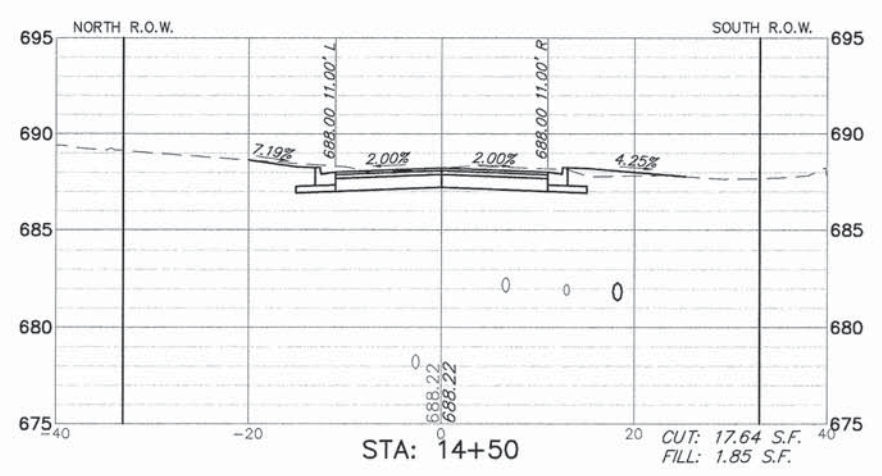
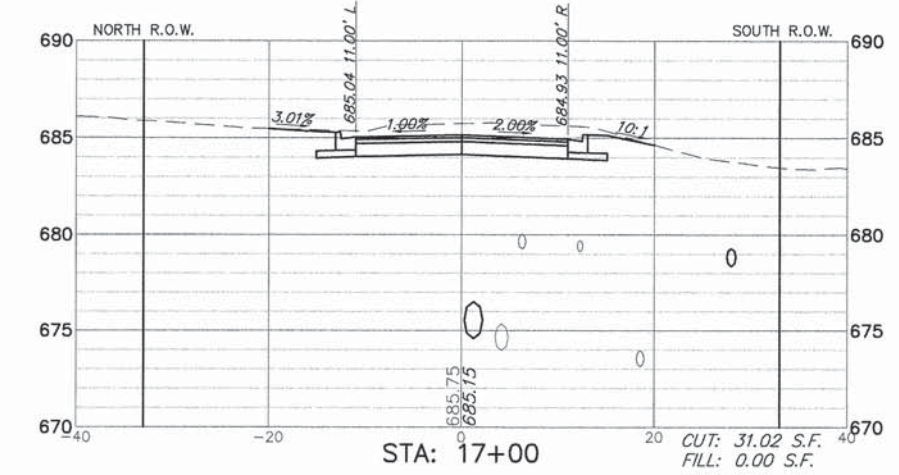
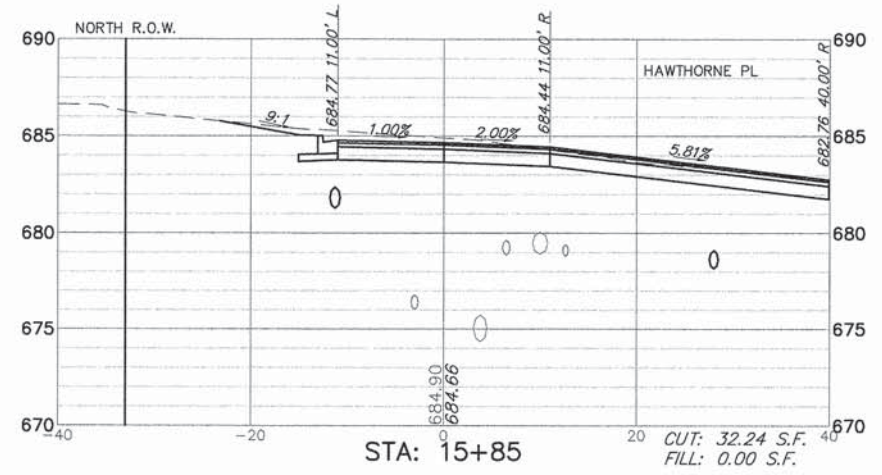
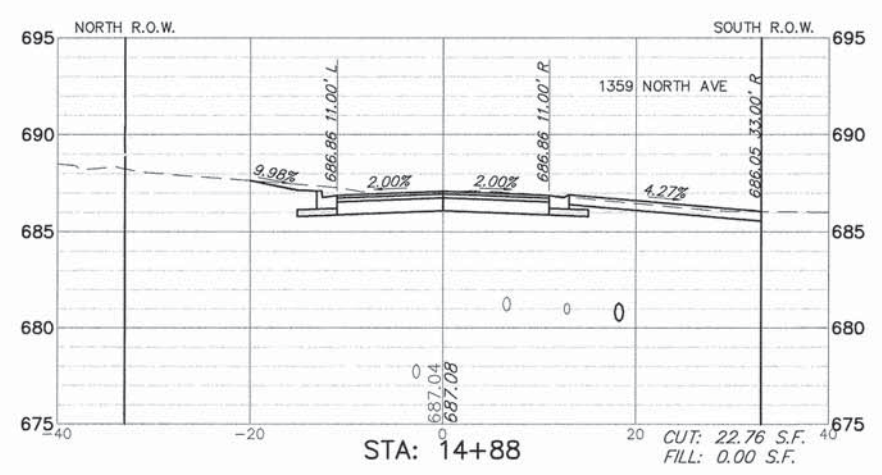
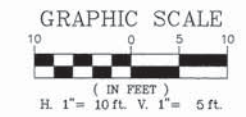
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS

SCALE: AS NOTED SHEET NO. - OF - SHEETS STA - TO STA -

FA RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3714	15-00100-00-PV	LAKE	50	44
CONTRACT #			61C40	
ILLINOIS FED. AID PROJECT				



FILE NAME = 8101-805-pr1.dwg

USER NAME = GW3
 PLOT SCALE = 1:1
 PLOT DATE = 01.10.15

DESIGNED - KLB
 DRAWN - GW3
 CHECKED - DJG
 DATE - -

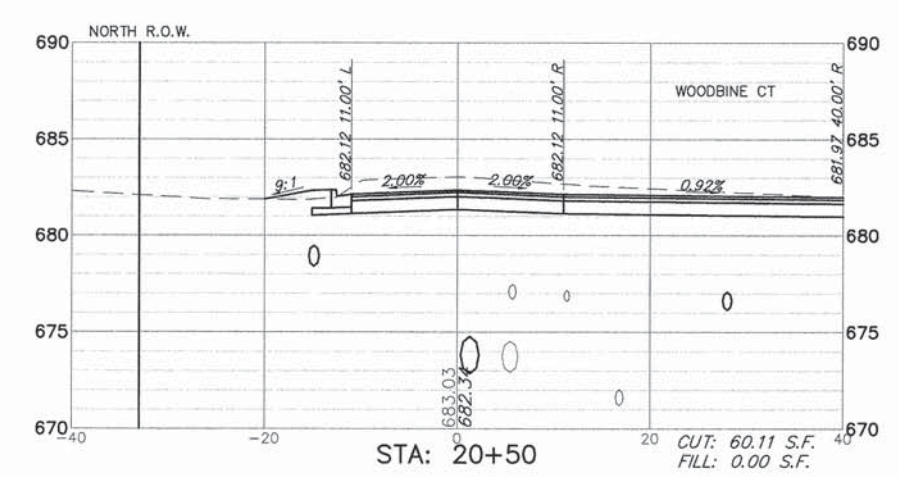
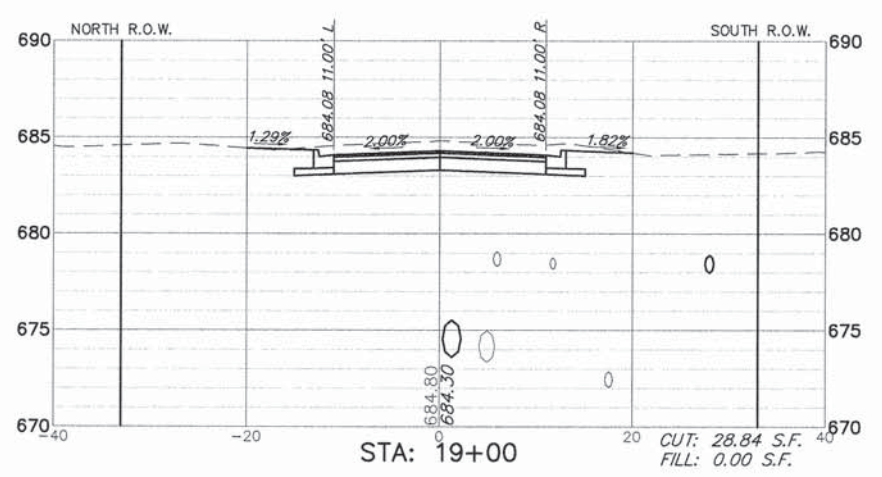
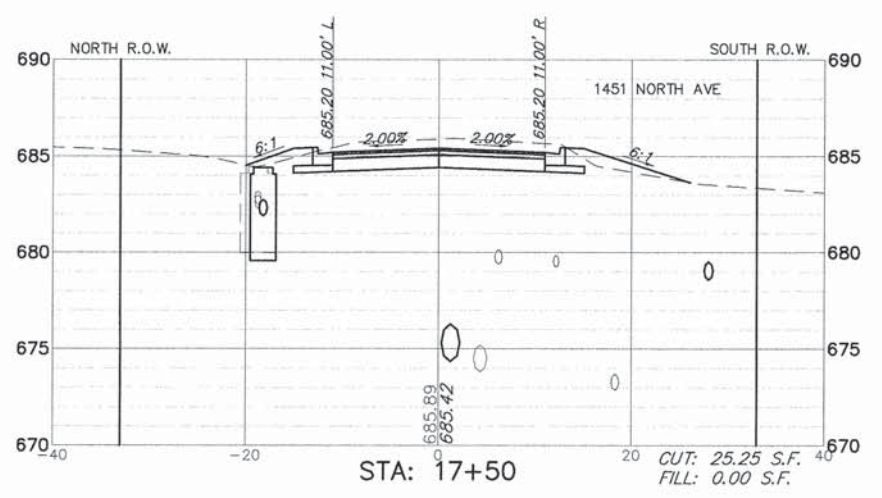
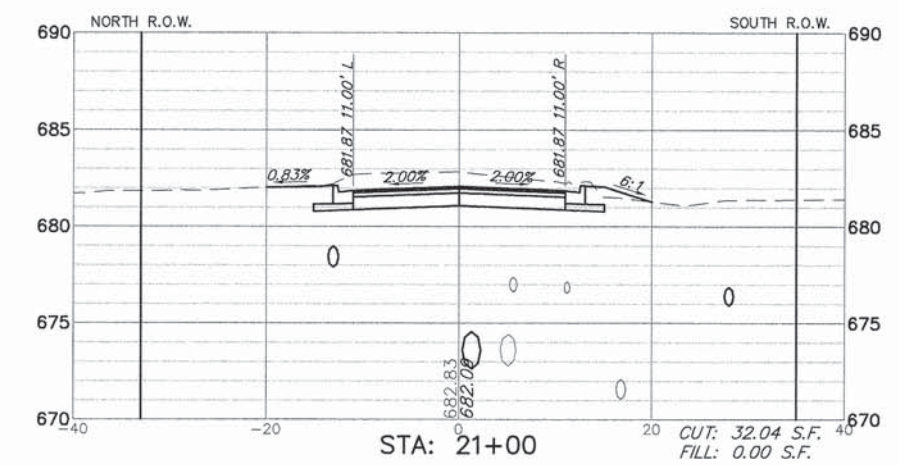
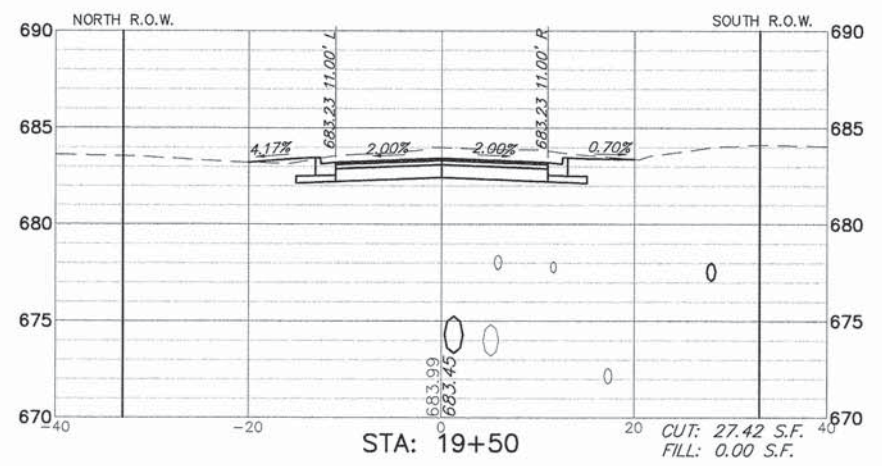
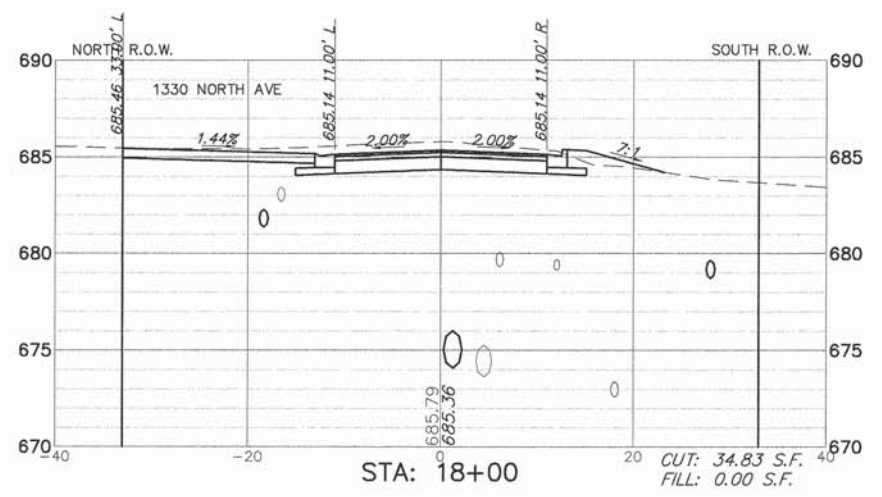
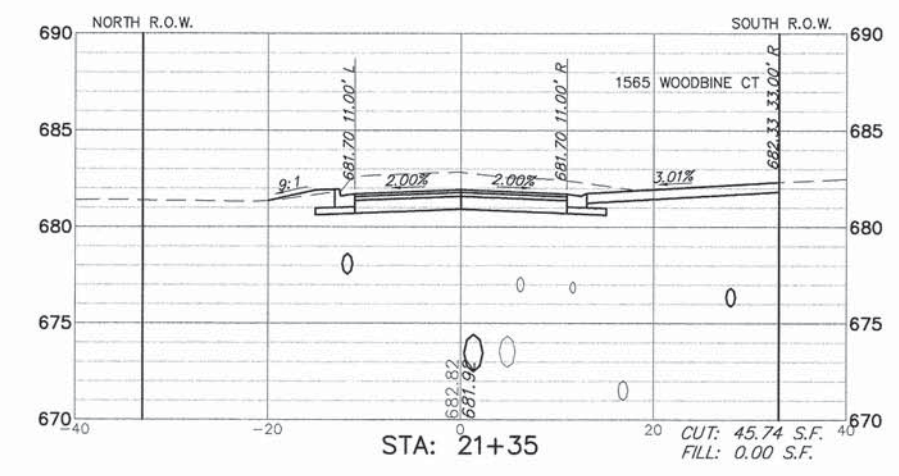
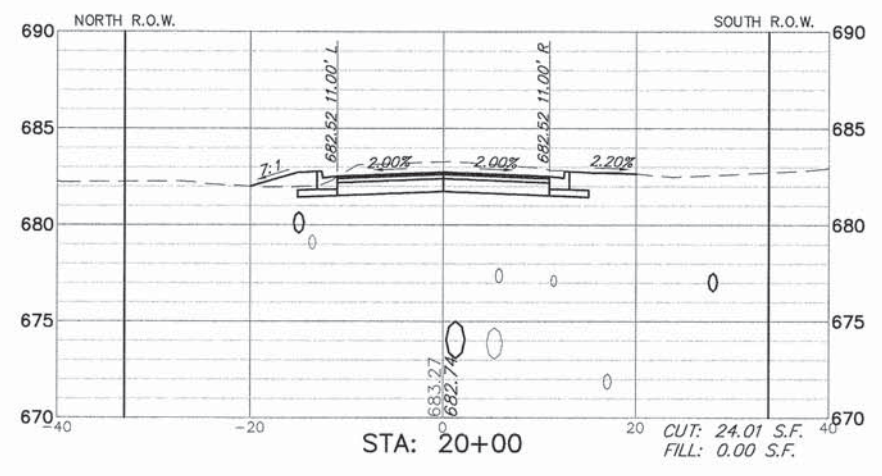
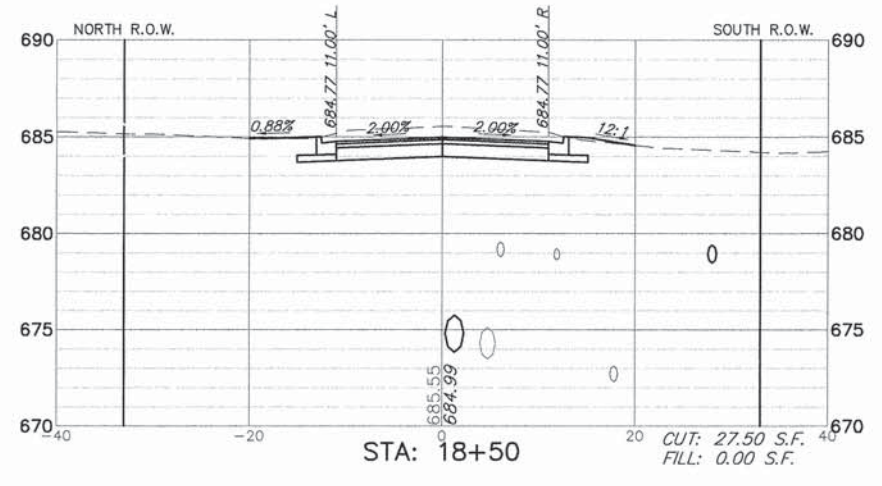
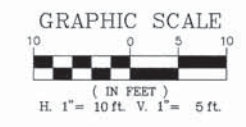
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS

SCALE AS NOTED SHEET NO. - OF - SHEETS STA. - TO STA. -

FA. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3714	15-00100-00-PV	LAKE	50	45
CONTRACT # 61C40				
ILLINOIS FED. AID PROJECT				



FILE NAME = B101-805-pr1.dwg
 USER NAME = GW3
 PLOT SCALE = 1:1
 PLOT DATE = 01.10.15

DESIGNED - KLB
 DRAWN - GW3
 CHECKED - DJG
 DATE - -

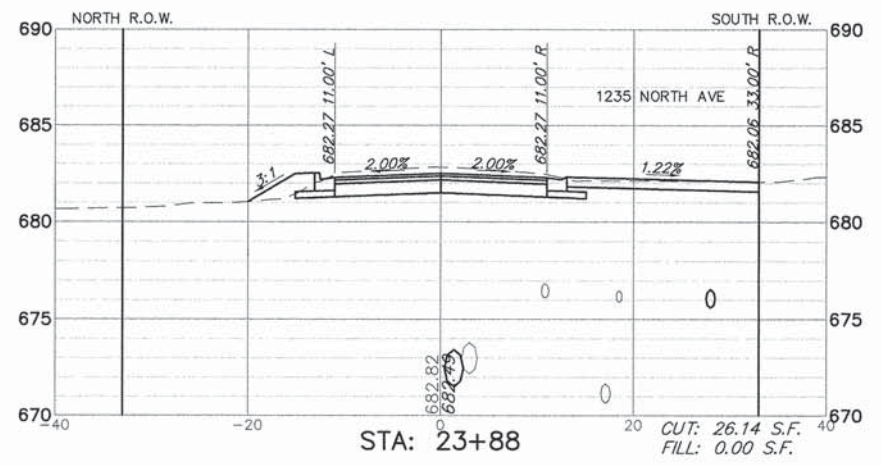
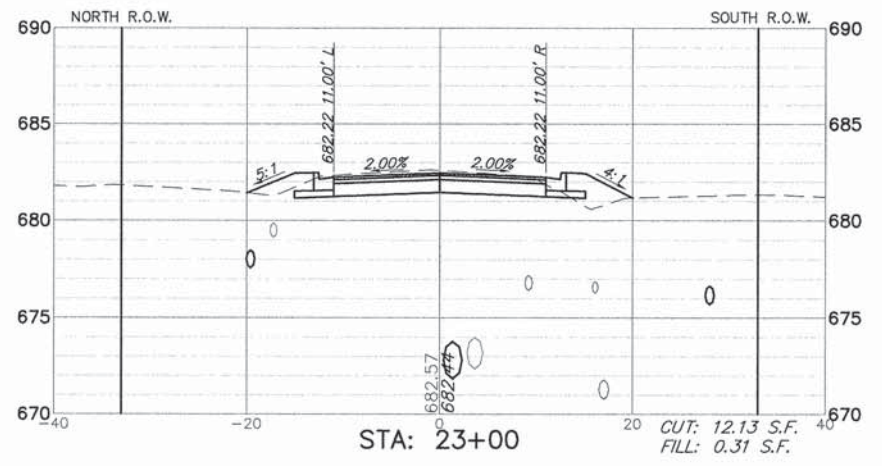
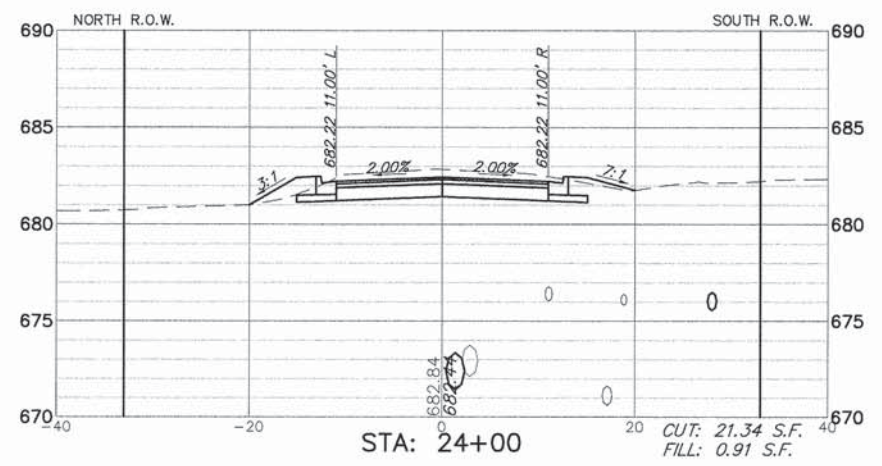
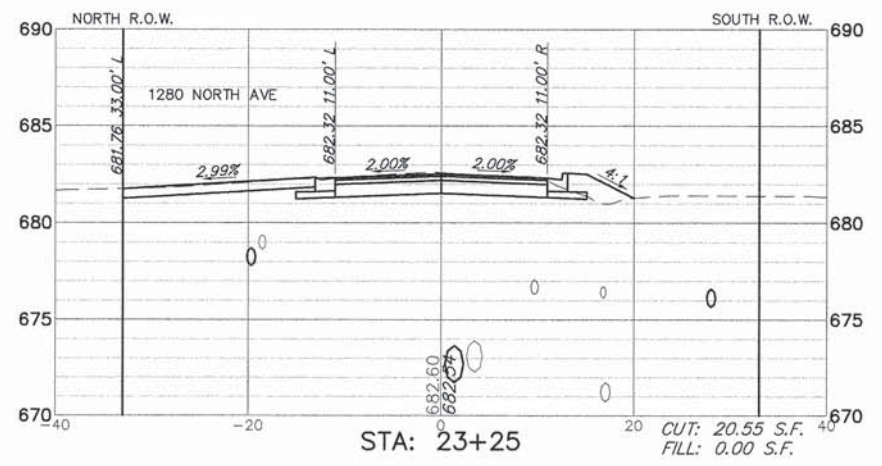
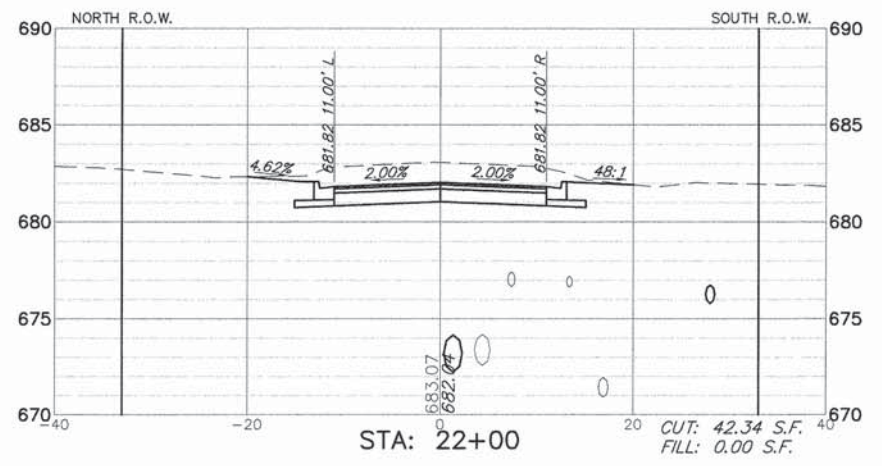
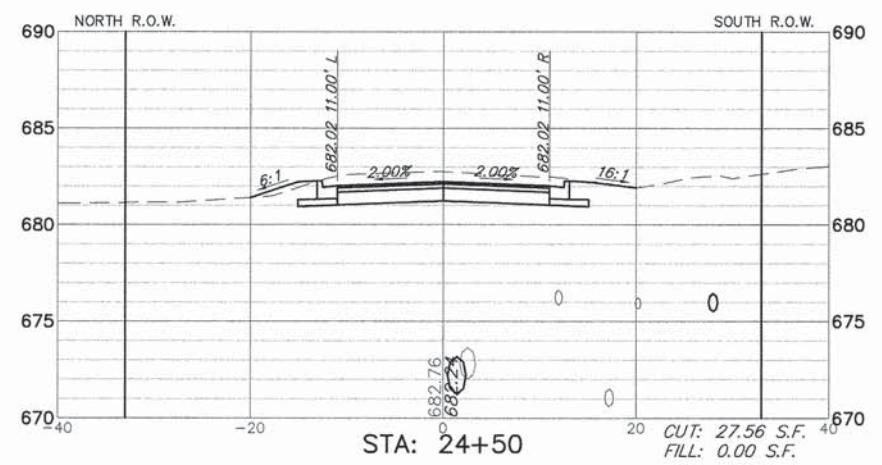
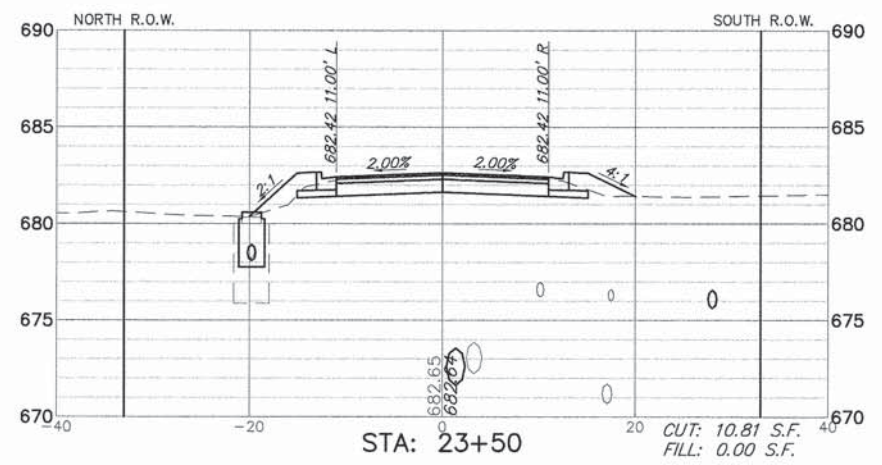
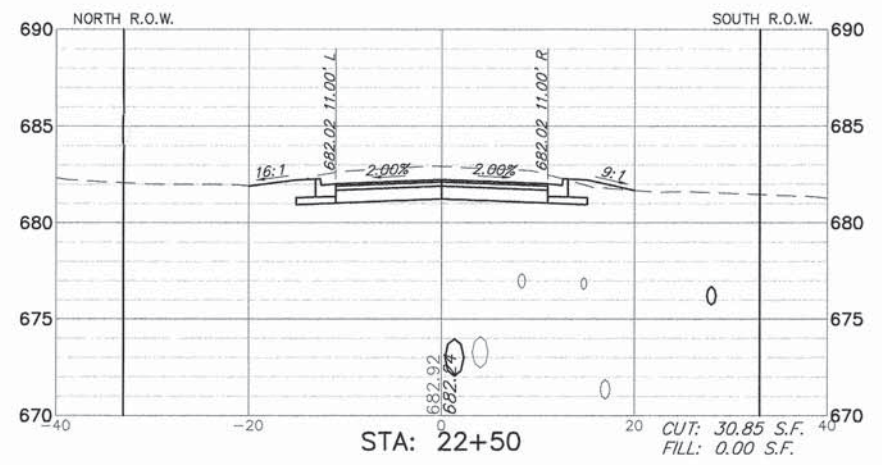
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS

SCALE AS NOTED SHEET NO. - OF - SHEETS STA. - TO STA. -

FA. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3714	15-00100-00-PV	LAKE	50	46
CONTRACT # 61C40				
ILLINOIS FED. AID PROJECT				



FILE NAME = 8101-805-pr1.dwg

USER NAME = GW3
 PLOT SCALE = 1:1
 PLOT DATE = 01.10.15

DESIGNED - KLB
 DRAWN - GW3
 CHECKED - DJG
 DATE - -

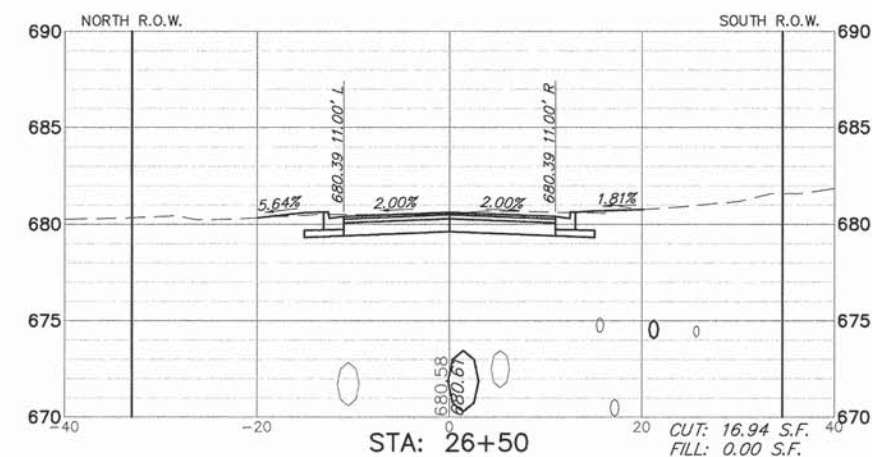
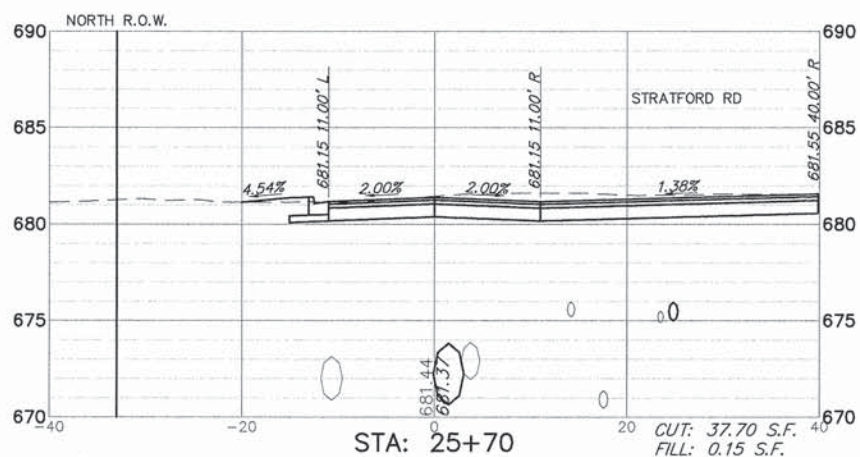
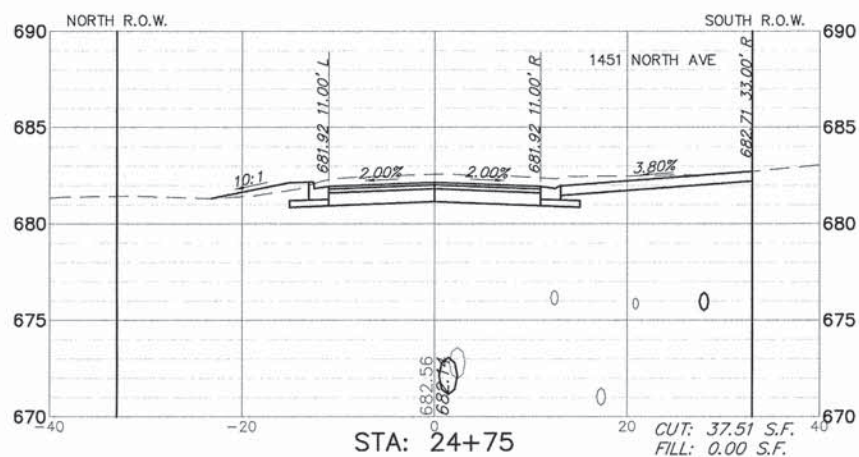
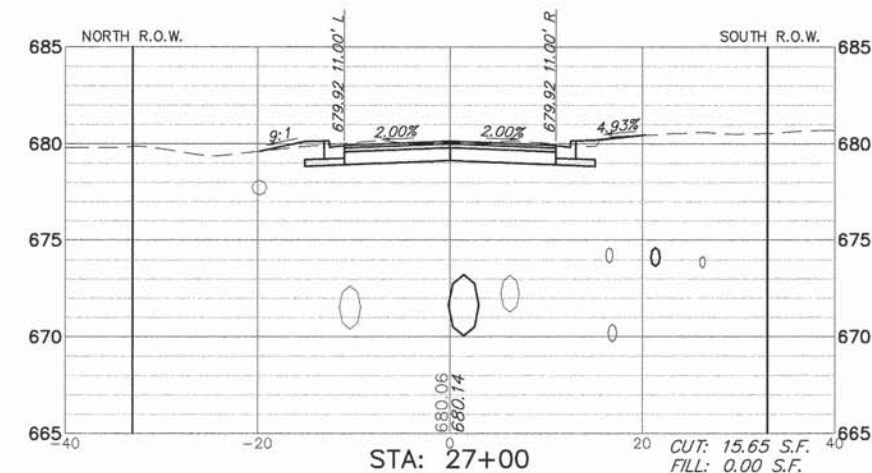
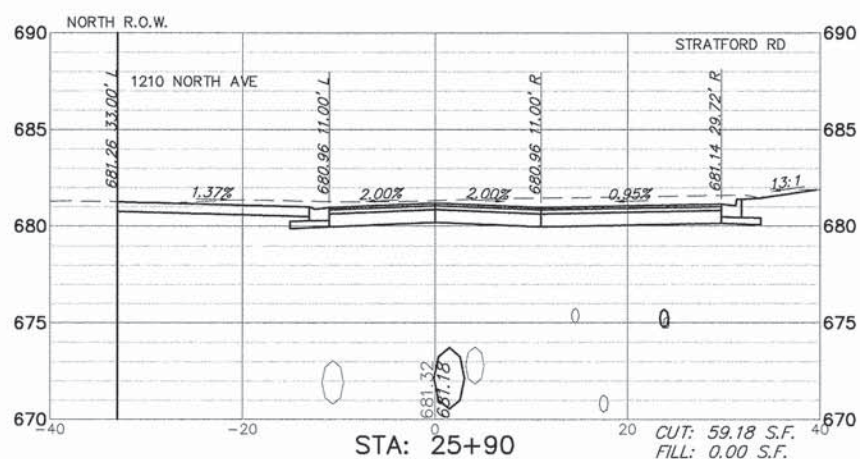
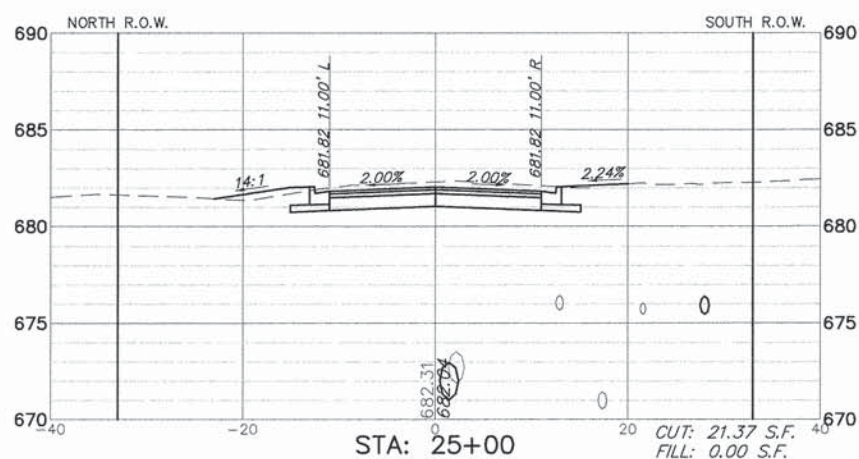
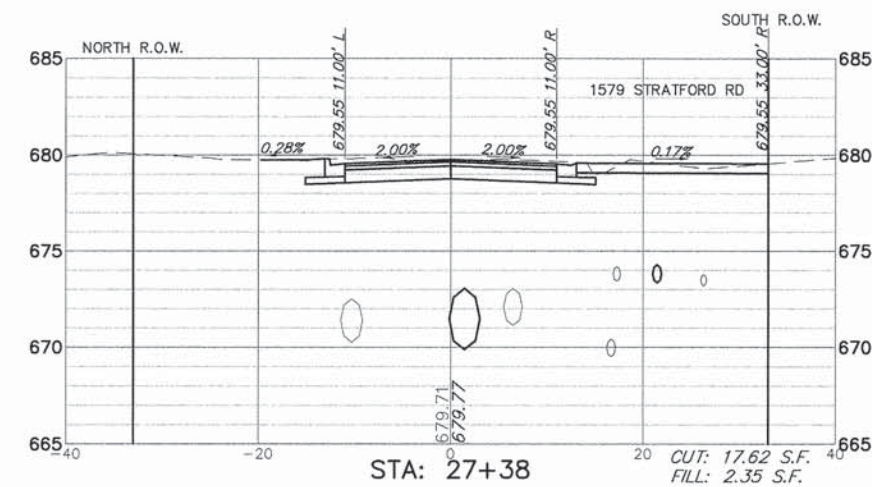
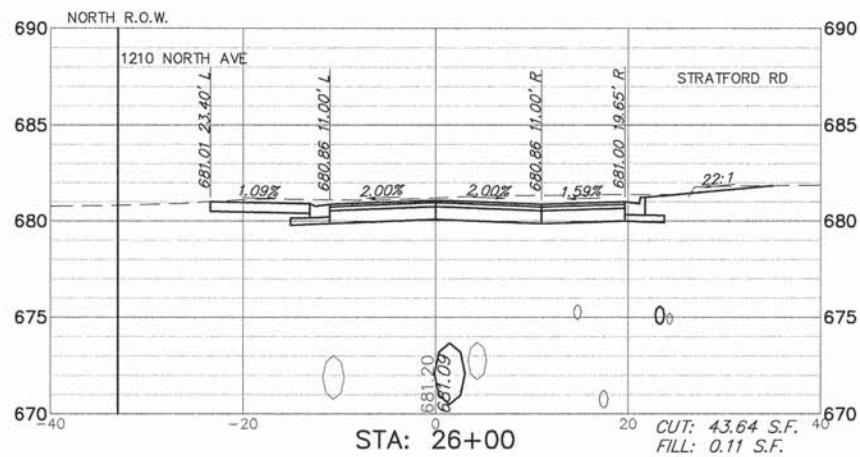
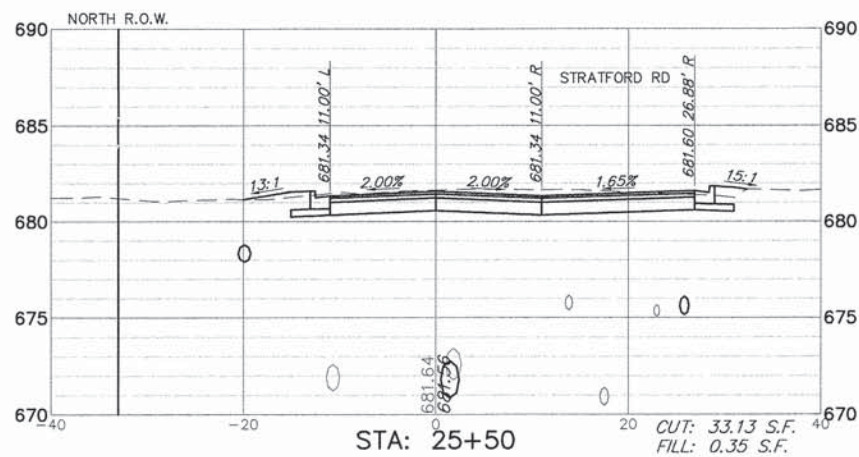
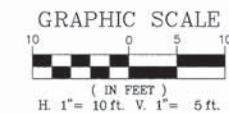
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

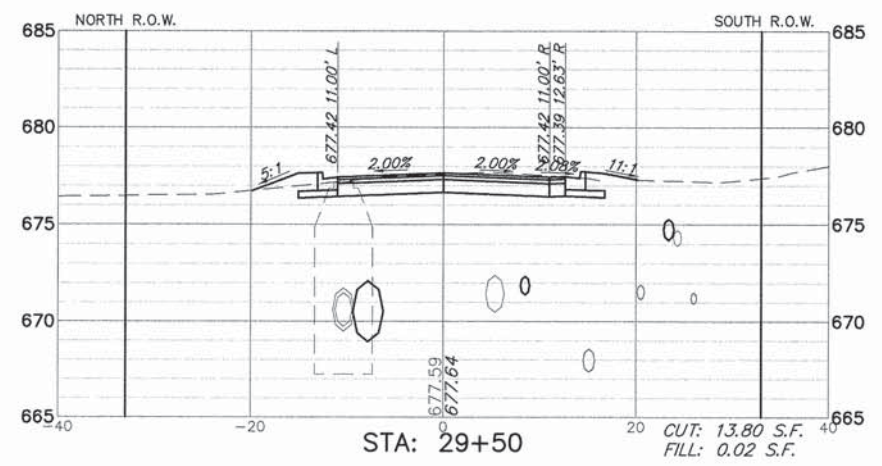
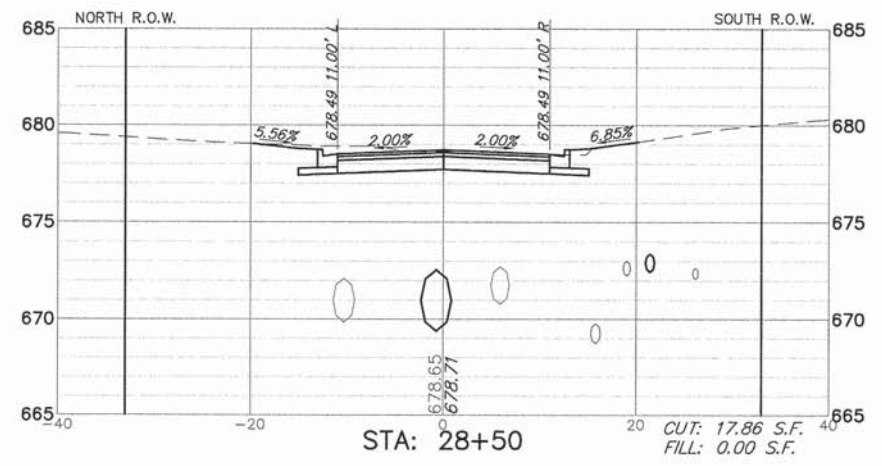
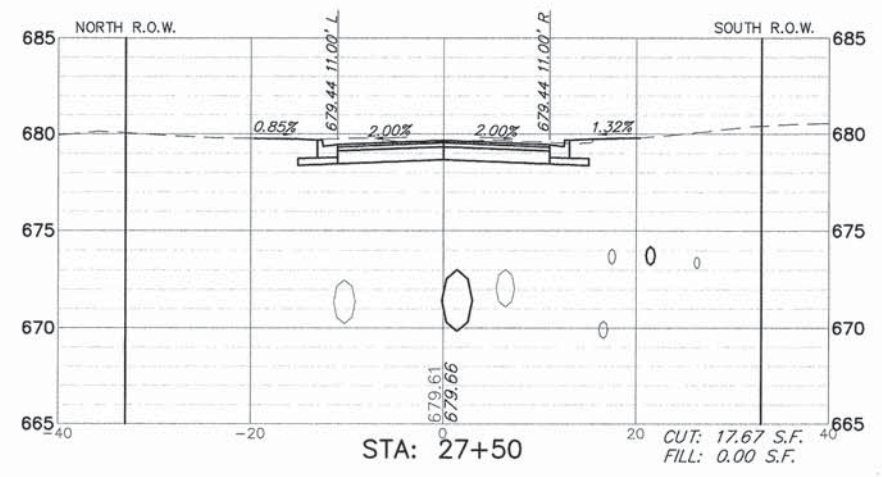
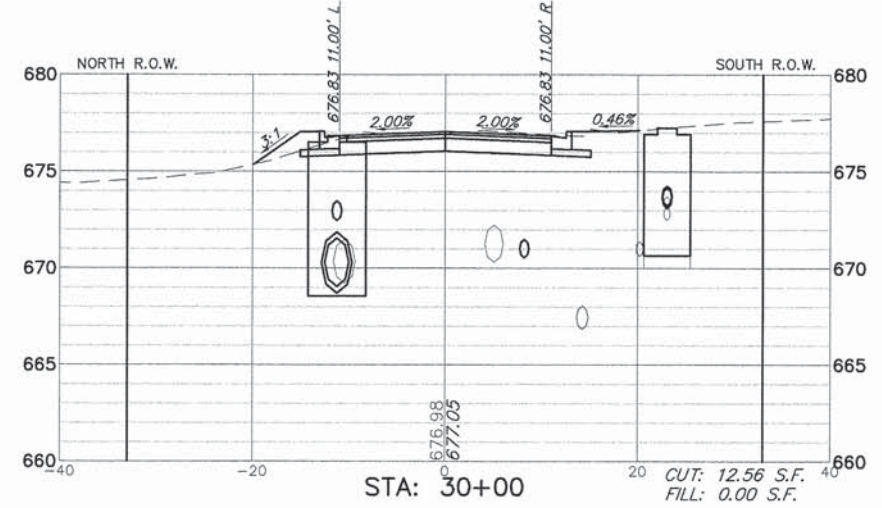
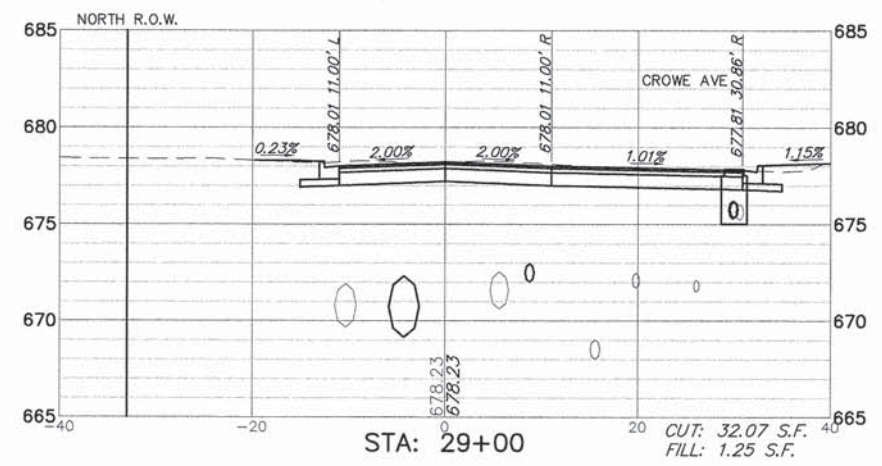
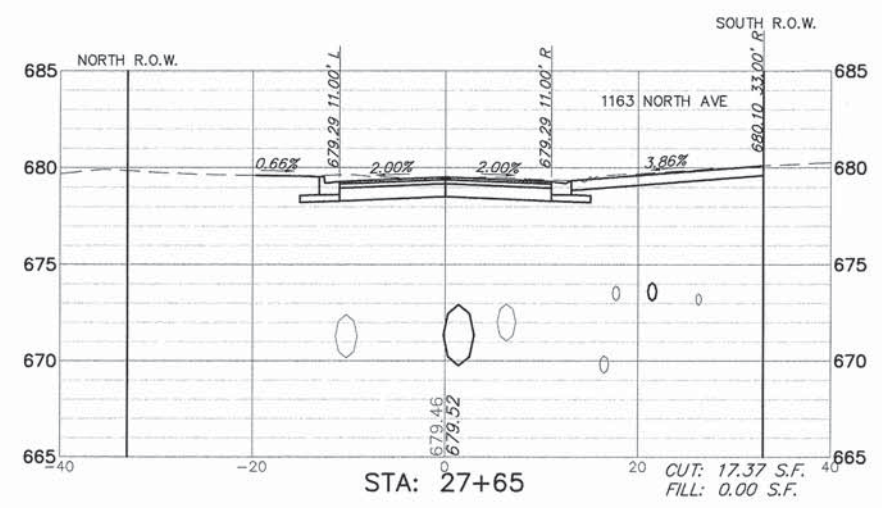
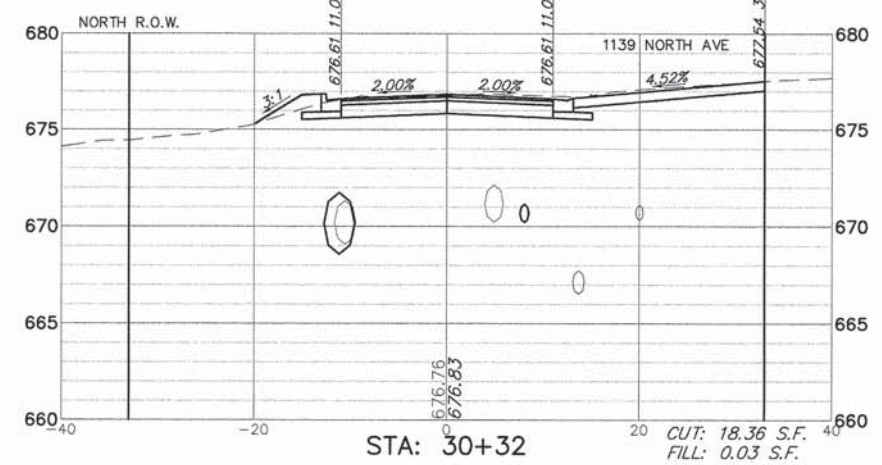
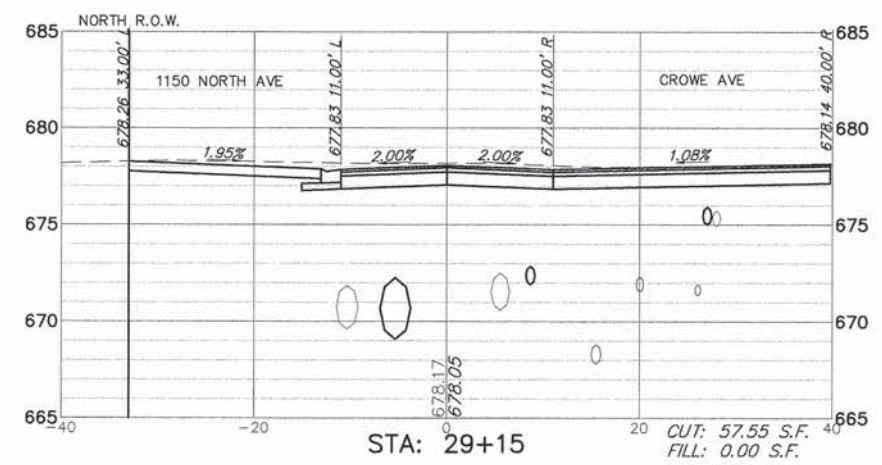
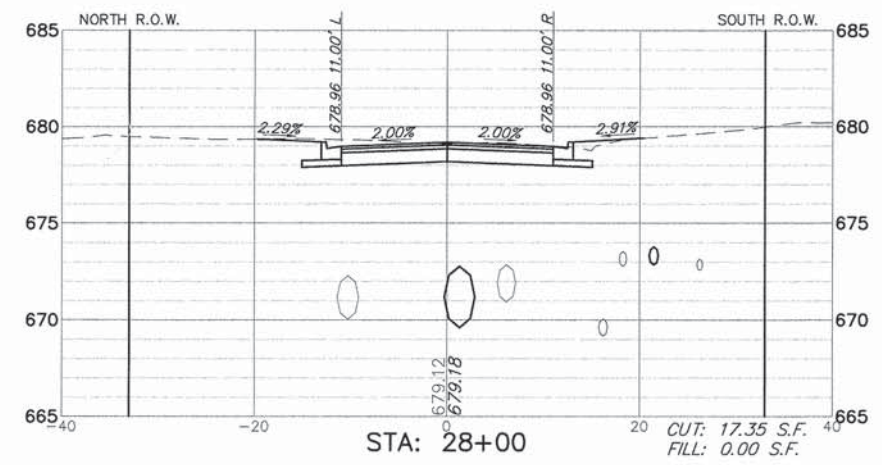
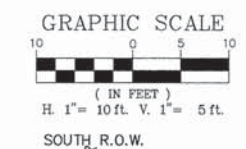
CROSS SECTIONS

SCALE AS NOTED SHEET NO. - OF - SHEETS STA. - TO STA. -

FA RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3714	15-00100-00-PV	LAKE	50	47
CONTRACT # 61C40				
ILLINOIS FED. AID PROJECT				



FILE NAME = 8101-805-pr1.dwg	USER NAME = GW3	DESIGNED - KLB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS			FA RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
	PLOT SCALE = 1:1	DRAWN - GW3	REVISED -		SCALE AS NOTED	SHEET NO. -	OF -	SHEETS	3714	15-00100-00-PV	LAKE	50	48
	PLOT DATE = 01.10.15	CHECKED - DJG	REVISED -		STA. -	TO STA. -	CONTRACT # 61C40						
		DATE - -	REVISED -		ILLINOIS FED. AID PROJECT								



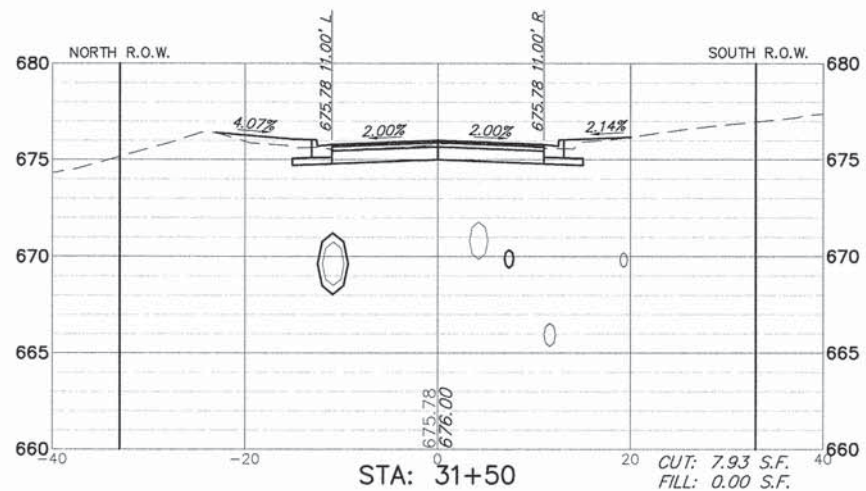
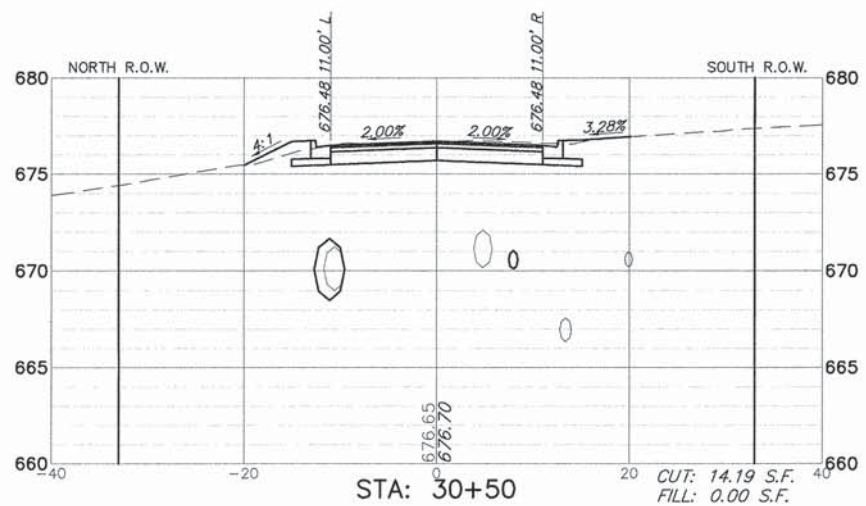
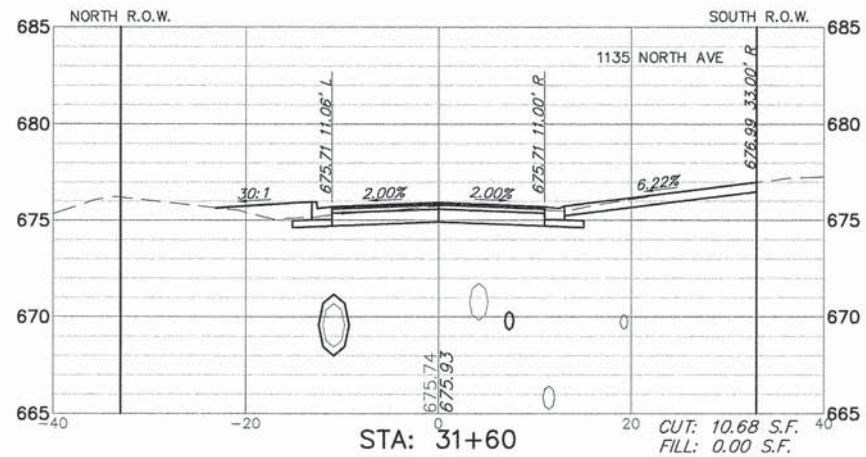
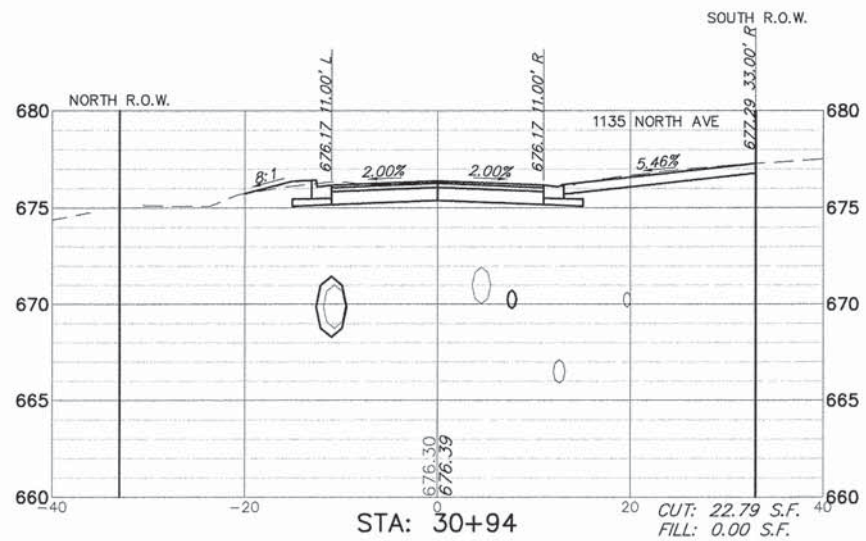
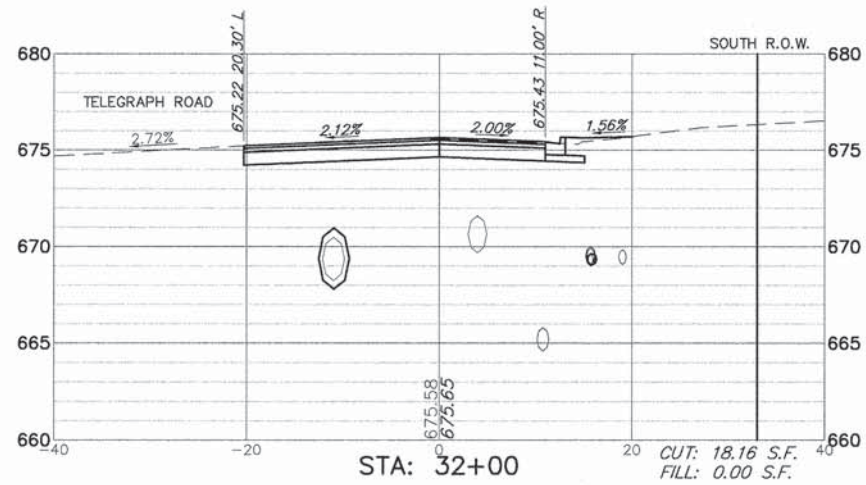
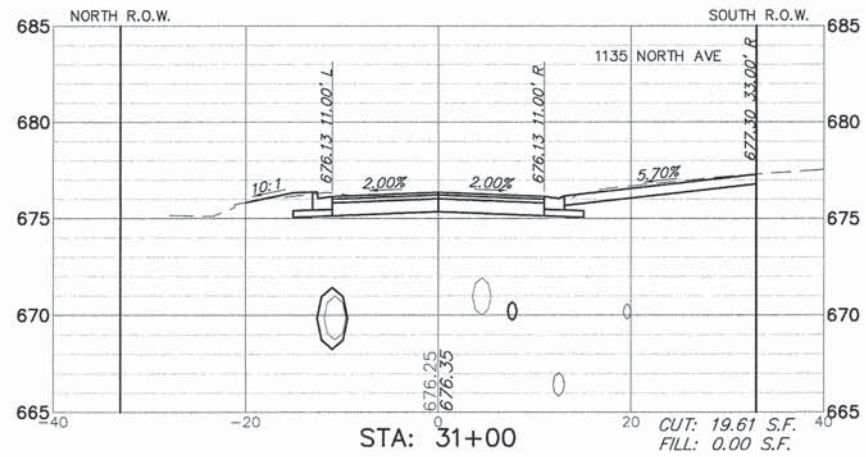
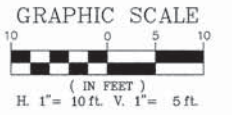
FILE NAME = 8101-805-pr2.dwg	USER NAME = GW3	DESIGNED - KLB	REVISED -
	PLOT SCALE = 1:1	DRAWN - GW3	REVISED -
	PLOT DATE = 01.10.15	CHECKED - DJG	REVISED -
		DATE - -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS

SCALE AS NOTED SHEET NO. - OF - SHEETS STA. - TO STA. -

FA RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3714	15-00100-00-PV	LAKE	50	49
CONTRACT # 61C40				
ILLINOIS FED. AID PROJECT				



FILE NAME =
 8101-805-pr2.dwg

USER NAME = GW3
 PLOT SCALE = 1:1
 PLOT DATE = 01.10.15

DESIGNED - KLB
 DRAWN - GW3
 CHECKED - DJG
 DATE - -

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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
 SCALE AS NOTED SHEET NO. - OF - SHEETS STA. - TO STA. -

FA. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3714	15-00100-00-PV	LAKE	50	50
CONTRACT #			61C40	
ILLINOIS FED. AID PROJECT				