

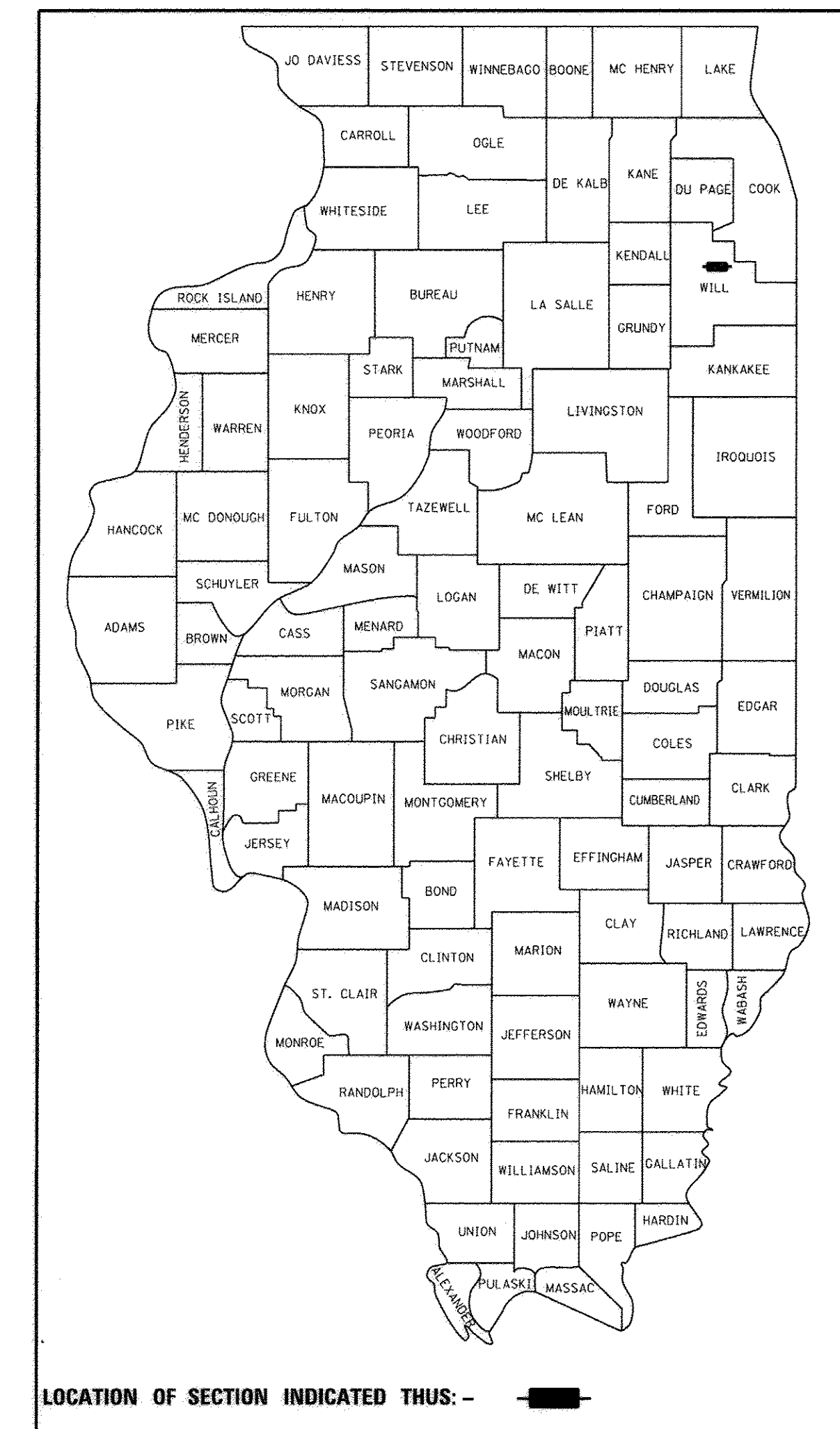
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

F.A.U. RTE. 287 & 364	SECTION 15-00082-00-PV	COUNTY WILL	TOTAL SHEETS 74	SHEET NO. 1
		ILLINOIS CONTRACT NO. 61D33		

FOR INDEX OF SHEETS, SEE SHEET NO. 2

# PLANS FOR PROPOSED FEDERAL AID HIGHWAY

## FAU ROUTE 364 (MacGREGOR ROAD) FROM NORTH STREET TO SHOALS DRIVE FAU ROUTE 287 (NORTH STREET) FROM MacGREGOR ROAD TO FARRELL ROAD SECTION: 15-00082-00-PV PROJECT: M-4003 (583) RECONSTRUCTION, RESURFACING CITY OF LOCKPORT WILL COUNTY C-91-041-16



**TRAFFIC DATA**

**ADT:**

MacGREGOR ROAD = 2,000(2015) 3,500(2040)  
NORTH STREET = 500(2015) 1,500(2040)

**DESIGN SPEED:**

MACGREGOR ROAD = 30 MPH  
NORTH STREET = 30 MPH

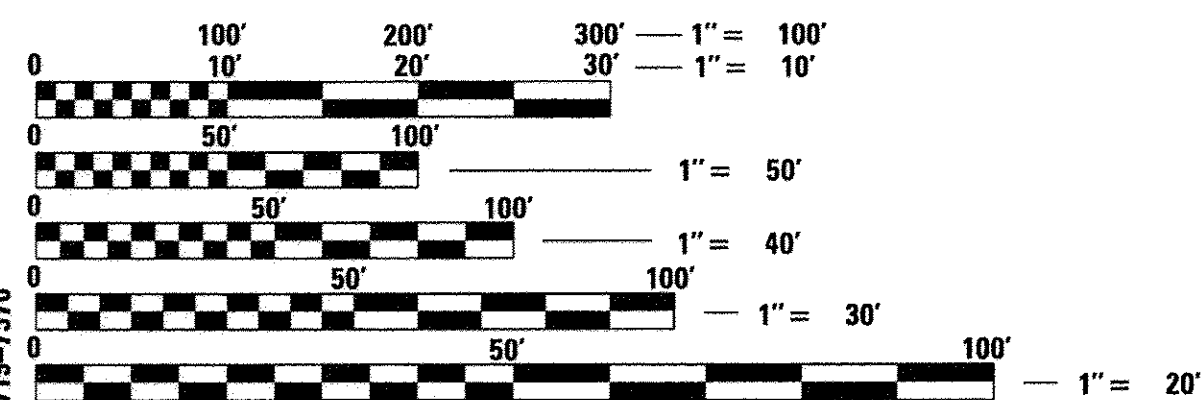
**POSTED SPEED LIMIT:**

MACGREGOR ROAD = 25 MPH  
= 20 MPH (POSTED SCHOOL ZONE)  
NORTH STREET = 25 MPH  
= 20 MPH (POSTED SCHOOL ZONE)

**DESIGN DESIGNATION:**

MacGREGOR ROAD = COLLECTOR - URBAN  
NORTH STREET = COLLECTOR - URBAN

PROJECT LOCATED IN  
CITY OF LOCKPORT



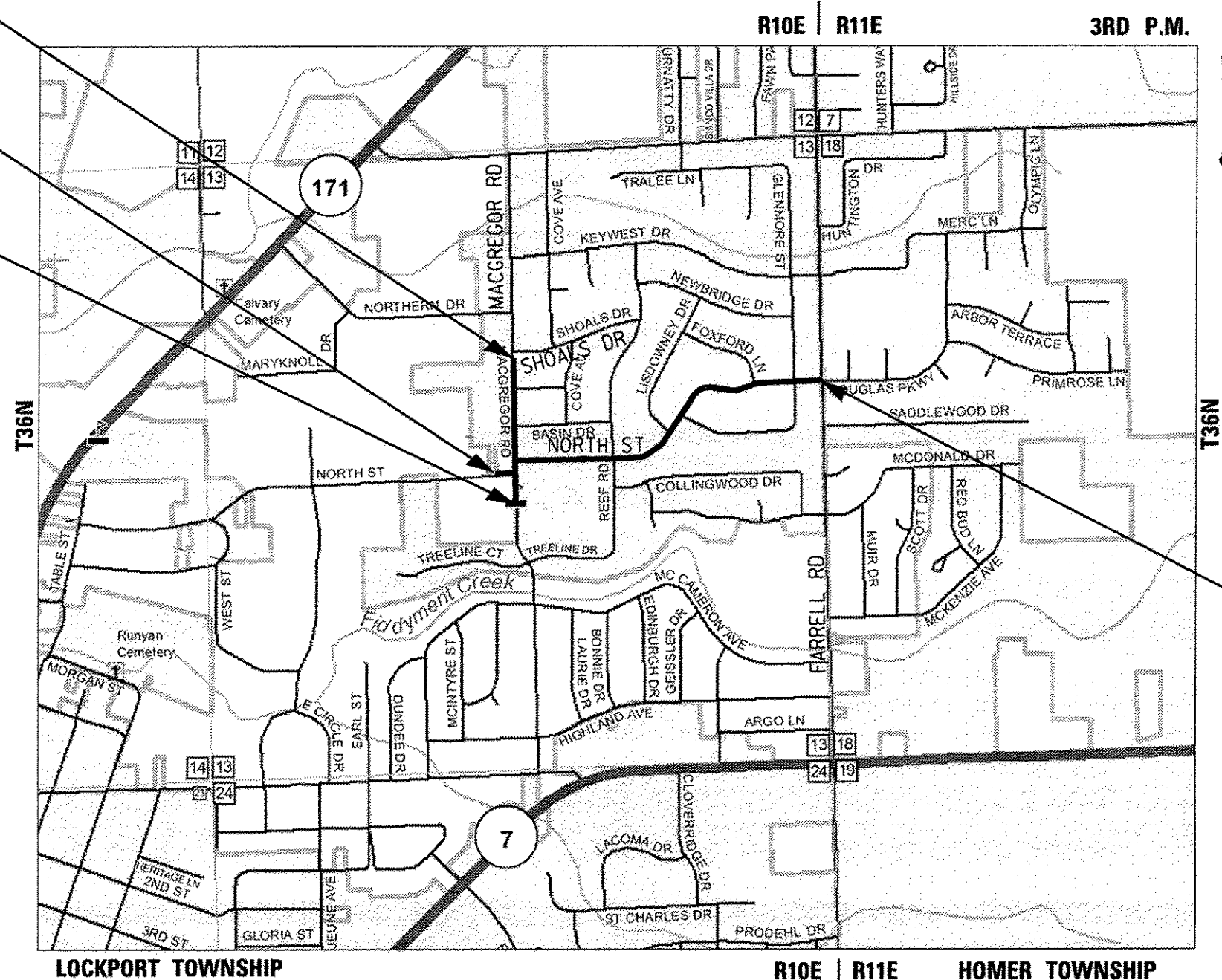
FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

PROJECT ENDS-MACGREGOR RD  
STA 18+65.68

PROJECT BEGINS-NORTH ST  
STA 48+91.37

PROJECT BEGINS-MACGREGOR RD  
STA 6+20.25



PROJECT ENDS-NORTH ST  
STA 78+20.94

LOCATION MAP  
SCALE: NTS

GROSS & NET LENGTH OF PROJECT: 4,131 FT. (0.78 MILES)

PROGRAM AND OFFICE ENGINEER: CHARLES F. RIDDLE, P.E. (847) 705-4406, SCHAUMBURG, IL  
CONSULTANT: JAMES J. BENES & ASSOCIATES, INC. (630) 719-7570

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

APPROVED: 10-11-16  
*John Williams*  
City of Lockport, Director of Engineering

PASSED: OCTOBER 28, 2016  
*Christopher Holt*  
District Engineer of Local Roads & Streets

Releasing for Bid  
Based on Limited  
Review: October 28, 2016  
*John Williams*  
Regional Engineer

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JAMES J. BENES & ASSOCIATES, INC.

JAMES J. BENES & ASSOCIATES  
CONSULTING ENGINEERS  
950 WARRENVILLE ROAD, SUITE 101  
LISLE, IL 60532  
(630) 719-7570

SIGNATURE: *Ben J. Benes*  
DATE: 10/11/2016  
IL LICENSE NO: 062-064927  
EXP. DATE: NOVEMBER 30, 2017  
FIELD: JAMES J. BENES AND ASSOCIATES, INC.  
CIVIL ENGINEERING

INDEX OF SHEETS

SHEET NO.	TITLE
1	TITLE SHEET
2	INDEX OF SHEETS, LIST OF STATE STANDARDS AND GENERAL NOTES
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11	SCHEDULE OF QUANTITIES
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22-25	GEOTECHNICAL PLAN
26-28	RESURFACING PLAN
29	TRAFFIC CONTROL PLANS
30-35	SEDIMENT AND EROSION CONTROL PLANS
36-40	DRAINAGE AND UTILITY PLANS
41-42	CONSTRUCTION DETAILS
43-50	DISTRICT DETAILS
51-74	CROSS SECTIONS

COMMITMENTS:

- CONSTRUCTION WILL NOT COMMENCE UNTIL THE WALSH ELEMENTARY SCHOOL'S 2016 SCHOOL SESSION HAS COMPLETED, JUNE 12, 2017.
- WORK WITHIN THE RECONSTRUCTION SECTION, EXCLUDING PARKWAY RESTORATION, STRIPING AND SURFACE COURSE, SHALL BE COMPLETED PRIOR TO THE START OF THE WALSH ELEMENTARY SCHOOL 2017 SCHOOL SESSION, AUGUST 21, 2017.

GENERAL NOTES

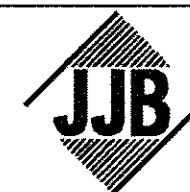
- ACCESS TO LOCAL RESIDENCES AND BUSINESSES SHALL BE MAINTAINED DURING CONSTRUCTION.
- THE CONTRACTOR SHALL GIVE THE ENGINEER, MUNICIPALITY, AND JAMES J. BENES AND ASSOCIATES, INC. THREE (3) WORKING DAYS NOTICE PRIOR TO THE COMMENCEMENT OF WORK.  
(CITY OF LOCKPORT: (815) 838-0549)  
(JAMES J. BENES AND ASSOCIATES, INC.: (630) 719-7570)
- ALL ELEVATIONS ARE ON NAVD 88 DATUM.
- DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS.
- THE ENGINEER SHALL NOT ASSUME ANY OF THE RESPONSIBILITIES OF THE CONTRACTOR'S SUPERINTENDENT OR OF SUBCONTRACTORS. ADDITIONALLY, THE ENGINEER SHALL NOT ADVISE ON, OR ISSUE DIRECTIONS CONCERNING, ASPECTS OF CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES, OR SAFETY PRECAUTIONS AND/OR PROGRAMS IN CONNECTION WITH THE WORK.
- THE LOCATIONS OF PUBLIC OR PRIVATE UTILITIES SHOWN ON THE PLANS ARE APPROXIMATE AND THEIR ACCURACY IS NOT GUARANTEED. THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION AND ELEVATION OF ALL UTILITIES. THE CONTRACTOR SHALL REPORT ANY ENCOUNTERED DISCREPANCIES TO THE ENGINEER AT ONCE. THE CONTRACTOR SHALL TAKE DUE CARE IN ALL PHASES OF CONSTRUCTION TO PROTECT ANY UTILITIES WHICH MAY BE AFFECTED BY THE WORK. ANY DAMAGE TO EXISTING UTILITIES SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE IN ACCORDANCE WITH ARTICLES 105.07, 107.20, AND 107.39.
- THE CONTRACTOR SHALL KEEP THE CONSTRUCTION AREA FREE OF DEBRIS DURING CONSTRUCTION. THE CONTRACTOR SHALL INSPECT THE SITE DAILY FOR DEBRIS ON THE ROADWAY SURFACE IN ACCORDANCE WITH ARTICLE 107.15. THE RIGHT-OF-WAY SHALL BE RESTORED TO PRE-CONSTRUCTION CONDITION IN ACCORDANCE WITH ARTICLE 107.20.
- THE CONTRACTOR SHALL MAINTAIN ALL EXISTING DRAINAGE FACILITIES DURING CONSTRUCTION AND SHALL REPAIR ANY DRAINAGE FACILITIES DAMAGED DURING CONSTRUCTION. THIS WORK SHALL BE INCLUDED IN THE COST OF THE DRAINAGE ITEMS BEING CONSTRUCTED AND WILL NOT BE PAID FOR SEPARATELY.
- THE CONTRACTOR SHALL VERIFY THE ELEVATIONS OF EXISTING STORM SEWERS PRIOR TO THE CONSTRUCTION OF PROPOSED STORM SEWER.
- THE RELOCATION OF SIGNS SHALL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION AND WILL NOT BE PAID FOR SEPARATELY IN ACCORDANCE WITH ARTICLE 107.25.
- BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "J.U.L.I.E." AT (800) 892-0123 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE, GAS, SEWERS AND WATER UTILITIES. (48 HOUR NOTIFICATION IS REQUIRED.)
- THE CONTRACTOR SHALL COORDINATE ALL CONSTRUCTION ACTIVITIES WITH ALL UTILITY COMPANIES AND THE MUNICIPALITY.
- SAW CUTTING OF PAVEMENT, SHOULDERS, CURB AND GUTTER, ETC. SHALL BE TO FULL DEPTH AND SHALL RESULT IN CLEAN, STRAIGHT EDGE ON THE PORTION REMAINING. ALL SAW CUTTING SHALL BE CONSIDERED INCLUDED IN THE COST OF THE ITEM REMOVED.
- STATIONING FOR ALL DRAINAGE STRUCTURES ARE GIVEN TO THE CENTER OF THE DRAINAGE STRUCTURE. OFFSETS FOR CURB LINE INLETS AND CATCH BASINS ARE GIVEN TO THE EDGE OF PAVEMENT. OFFSETS FOR ALL OTHER DRAINAGE STRUCTURES ARE GIVEN TO THE CENTER OF THE STRUCTURE. THE CONTRACTOR SHALL TAKE CARE TO ENSURE THAT ALL CURB LINE DRAINAGE STRUCTURES ARE PROPERLY ALIGNED WITH THE PROPOSED CURB AND GUTTER.
- WHEN REMOVING PAVEMENT, CURB AND GUTTER, SHOULDER, AND/OR ANY OTHER STRUCTURES, THE USE OF ANY TYPE OF CONCRETE BREAKERS WHICH MIGHT DAMAGE THE UNDERGROUND PUBLIC OR PRIVATE UTILITIES WILL NOT BE PERMITTED. UNDER NO CIRCUMSTANCES WILL THE USE OF A FROST BALL BE PERMITTED.
- ALL CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", ADOPTED APRIL 1, 2016: THE "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS", ADOPTED JANUARY 1, 2017: THE LATEST EDITION OF THE "ILLINOIS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS" (MUTCD), "STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS" JULY 2014 SEVENTH EDITION, THE "DETAILS" IN THE PLANS AND THE "SPECIAL PROVISIONS" INCLUDED IN THE CONTRACT DOCUMENTS.

STATE STANDARDS

000001-06	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
424001-09	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
424011-03	CORNER PARALLEL CURB RAMPS FOR SIDEWALKS
424016-03	MID-BLOCK CURB RAMPS FOR SIDEWALKS
424021-03	DEPRESSED CORNER FOR SIDEWALKS
424026-01	ENTRANCE / ALLEY PEDESTRIAN CROSSINGS
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
602406-07	MANHOLE TYPE A 6' (1.8 m) DIAMETER
602411-05	MANHOLE TYPE A 7' (2.1 m) DIAMETER
602601-04	PRECAST REINFORCED CONCRETE FLAT SLAB TOP
602701-02	MANHOLE STEPS
604001-04	FRAME AND LIDS TYPE 1
604006-05	FRAME AND GRATE TYPE 3
604011-05	FRAME AND GRATE TYPE 3V
604026-03	FRAME AND GRATE TYPE 6
606001-06	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
667101-02	PERMANENT SURVEY MARKERS
701001-02	OFF-RD OPERATIONS, 2L, 2W, MORE THAN 15' (4.5 m) AWAY
701006-05	OFF-RD OPERATIONS, 2L, 2W, 15' (4.5 m) TO 24" (600 mm) 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
701901-06	TRAFFIC CONTROL DEVICES

LIST OF DISTRICT ONE DETAILS

BD-07	STORM SEWER CONNECTION TO EXISTING SEWER
BD-22	PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT
BD-24	CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT
BD-32	BUTT JOINT AND HMA TAPER DETAILS
BD-36	FIRE HYDRANT TO BE MOVED
BM-20	PRUNING FOR SAFETY AND EQUIPMENT CLEARANCE
TC-10	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS
TC-13	DISTRICT ONE TYPICAL PAVEMENT MARKINGS



JAMES J. BENES & ASSOCIATES, INC.  
950 Warrenville Road, Suite 101, Lisle, Illinois 60532  
Tel. (630) 719-7570 • Fax (630) 719-7589

DESIGNED	— BDH	REVISED	—
DRAWN	— SMP	REVISED	—
CHECKED	— BDH	REVISED	—
DATE	— 10/07/16	REVISED	—

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

INDEX OF SHEETS, GENERAL NOTES, AND STATE STANDARDS  
MacGREGOR ROAD/NORTH STREET

SCALE: NTS SHEET NO. OF SHEETS STA. TO STA.

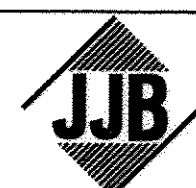
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0287 & 0364	15-00082-00-PV	WILL	74	2
			CONTRACT NO. 61D33	
ILLINOIS FED. AID PROJECT				



LEGEND

- \* - DENOTES SPECIALTY ITEMS
- △ - 0042 COST CODE

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODES	
				ROADWAY	
				80% FED 20% LOCAL 0004	
20101100	TREE TRUNK PROTECTION	EACH	34	34	
20101200	TREE ROOT PRUNING	EACH	34	34	
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	4,831	4,831	
20400800	FURNISHED EXCAVATION	CU YD	207	207	
20800150	TRENCH BACKFILL	CU YD	705	705	
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	2,801	2,801	
25200200	SUPPLEMENTAL WATERING	UNIT	80	80	
28000400	PERIMETER EROSION BARRIER	FOOT	684	684	
28000510	INLET FILTERS	EACH	36	36	
30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	1,401	1,401	
31101200	SUBBASE GRANULAR MATERIAL, TYPE B 4"	SQ YD	9,367	9,367	
35501311	HOT-MIX ASPHALT BASE COURSE, 6 3/4"	SQ YD	8,219	8,219	
35800100	PREPARATION OF BASE	SQ YD	6,088	6,088	
35800200	AGGREGATE BASE REPAIR	TON	305	305	
40201000	AGGREGATE FOR TEMPORARY ACCESS	TON	560	560	
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	6,439	6,439	



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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES  
MacGREGOR ROAD/NORTH STREET**

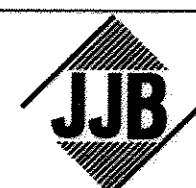
SCALE: NTS      SHEET NO. OF SHEETS      STA. TO STA.

F.A.U. RTE. 0287 & 0364	SECTION 15-00082-00-PV	COUNTY WILL	TOTAL SHEETS 74	SHEET NO. 3
CONTRACT NO. 61D33			ILLINOIS FED. AID PROJECT	

LEGEND

- \* - DENOTES SPECIALTY ITEMS
- △ - 0042 COST CODE

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODES	
				ROADWAY	
				80% FED 20% LOCAL 0004	
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	99	99	
40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	767	767	
40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	1,431	1,431	
40800025	BITUMINOUS MATERIALS (PRIME COAT)	POUND	32,191	32,191	
42001300	PROTECTIVE COAT	SQ YD	1,987	1,987	
42300200	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH	SQ YD	271	271	
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	6,435	6,435	
42400800	DETECTABLE WARNINGS	SQ FT	255	255	
44000100	PAVEMENT REMOVAL	SQ YD	6,631	6,631	
44000164	HOT-MIX ASPHALT SURFACE REMOVAL, 3 3/4"	SQ YD	6,088	6,088	
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	1,141	1,141	
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	3,087	3,087	
44000600	SIDEWALK REMOVAL	SQ FT	3,133	3,133	
44201735	CLASS D PATCHES, TYPE IV, 7 INCH	SQ YD	27	27	
54214515	PRECAST REINFORCED CONCRETE FLARED END SECTIONS, EQUIVALENT ROUND-SIZE 30"	EACH	1	1	
54248510	CONCRETE COLLAR	CU YD	2	2	



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 950 Warrenville Road, Suite 101, Lisle, Illinois 60532  
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DATE -- 10/07/16	REVISED --

STATE OF ILLINOIS  
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SUMMARY OF QUANTITIES  
 MacGREGOR ROAD/NORTH STREET

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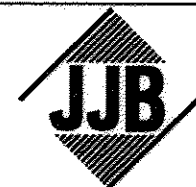
F.A.U. RTE. 0287 & 0364	SECTION 15-00082-00-PV	COUNTY WILL	TOTAL SHEETS 74	SHEET NO. 4
CONTRACT NO. 61D33			ILLINOIS FED. AID PROJECT	



LEGEND

- \* - DENOTES SPECIALTY ITEMS
- △ - 0042 COST CODE

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODES	
				ROADWAY	
				80% FED 20% LOCAL 0004	
550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	FOOT	467	467	
550A0090	STORM SEWERS, CLASS A, TYPE 1 18"	FOOT	502	502	
550A0110	STORM SEWERS, CLASS A, TYPE 1 21"	FOOT	92	92	
550A0130	STORM SEWERS, CLASS A, TYPE 1 27"	FOOT	130	130	
550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	FOOT	219	219	
550A0410	STORM SEWERS, CLASS A, TYPE 2 24"	FOOT	260	260	
550A0420	STORM SEWERS, CLASS A, TYPE 2 27"	FOOT	370	370	
550A0430	STORM SEWERS, CLASS A, TYPE 2 30"	FOOT	29	29	
550A4200	STORM SEWERS, CLASS A, TYPE 1 EQUIVALENT ROUND-SIZE 27"	FOOT	109	109	
55100900	STORM SEWER REMOVAL 18"	FOOT	323	323	
55101400	STORM SEWER REMOVAL 30"	FOOT	31	31	
* 56300100	ADJUSTING SANITARY SEWERS, 8-INCH DIAMETER OR LESS	FOOT	100	100	
* 56400100	FIRE HYDRANTS TO BE MOVED	EACH	2	2	
* 56400300	FIRE HYDRANTS TO BE ADJUSTED	EACH	1	1	
* 56500200	DOMESTIC WATER SERVICE BOXES TO BE MOVED	EACH	10	10	
* 56500600	DOMESTIC WATER SERVICE BOXES TO BE ADJUSTED	EACH	11	11	



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**STATE OF ILLINOIS  
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**SUMMARY OF QUANTITIES  
 MacGREGOR ROAD/NORTH STREET**

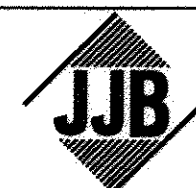
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F.A.U. RTE. 0287 & 0384	SECTION 15-00082-00-PV	COUNTY WILL	TOTAL SHEETS 74	SHEET NO. 5
CONTRACT NO. 61D33			ILLINOIS FED. AID PROJECT	

LEGEND

- \* - DENOTES SPECIALTY ITEMS
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CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODES	
				ROADWAY	
				80% FED 20% LOCAL 0004	
60200305	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 3 FRAME AND GRATE	EACH	1	1	
60200310	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 3V FRAME AND GRATE	EACH	22	22	
60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	8	8	
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	3	3	
60224446	MANHOLES, TYPE A, 7'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	3	3	
60266600	VALVE BOXES TO BE ADJUSTED	EACH	1	1	
60404500	FRAMES AND GRATES, TYPE 6	EACH	6	6	
60406000	FRAMES AND LIDS, TYPE 1, OPEN LID	EACH	2	2	
60406100	FRAMES AND LIDS, TYPE 1, CLOSED LID	EACH	10	10	
60500040	REMOVING MANHOLES	EACH	3	3	
60500050	REMOVING CATCH BASINS	EACH	5	5	
60500060	REMOVING INLETS	EACH	1	1	
60600605	CONCRETE CURB, TYPE B	FOOT	29	29	
60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	4,223	4,223	
66700305	PERMANENT SURVEY MARKERS, TYPE II	EACH	1	1	



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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES  
MacGREGOR ROAD/NORTH STREET**

SCALE: NTS      SHEET NO. OF SHEETS      STA. TO STA.

F.A.U. RTE. 0287 & 0364	SECTION 15-00082-00-PV	COUNTY WILL	TOTAL SHEETS 74	SHEET NO. 6
CONTRACT NO. 61D33			ILLINOIS FED. AID PROJECT	



**LEGEND**

- \* - DENOTES SPECIALTY ITEMS
- △ - 0042 COST CODE

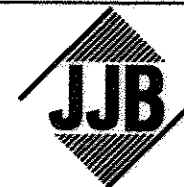
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODES	
				ROADWAY	
				80% FED 20% LOCAL 0004	
67100100	MOBILIZATION	L SUM	1	1	
78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	1,760	1,760	
78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	303	303	
78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	470	470	
78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	109	109	
Z0004514	HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 4"	SQ YD	313	313	
Z0004522	HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 6"	SQ YD	131	131	
Z0004562	COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT	FOOT	324	324	
Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1	
Z0017400	DRAINAGE & UTILITY STRUCTURES TO BE ADJUSTED	EACH	17	17	
Z0019600	DUST CONTROL WATERING	UNIT	50	50	
Z0056635	STORM SEWER (WATER MAIN REQUIREMENTS) EQUIVALENT ROUND-SIZE 30 INCH	FOOT	160	160	
△ Z0076600	TRAINEES	HOUR	500	500	
△ Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	HOUR	500	500	
X0323677	STREET SWEEPING	HOUR	40	40	
* X2520650	SODDING, SALT TOLERANT (SPECIAL)	SQ YD	4,438	4,438	

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\*



**JAMES J. BENES & ASSOCIATES, INC.**  
 950 Warrenville Road, Suite 101, Lisle, Illinois 60532  
 Tel. (630) 719-7570 • Fax (630) 719-7589

DESIGNED — BDH	REVISED —
DRAWN — SMP	REVISED —
CHECKED — BDH	REVISED —
DATE — 10/07/16	REVISED —

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES		
MacGREGOR ROAD/NORTH STREET		
SCALE: NTS	SHEET NO. OF SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0287 & 0364	15-00082-00-PV	WILL	74	7
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61D33	

**LEGEND**

- \* - DENOTES SPECIALTY ITEMS
- △ - 0042 COST CODE

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODES	
				ROADWAY	
				80% FED 20% LOCAL 0004	
X4404700	SIDEWALK REMOVAL (SPECIAL)	SQ FT	75	75	
* X5620128	ADJUSTING WATER SERVICE LINES	EACH	10	10	
X6020074	INLETS, TYPE A, TYPE 3V FRAME AND GRATE	EACH	3	3	
* X6026050	SANITARY MANHOLES TO BE ADJUSTED	EACH	5	5	
* X6026051	SANITARY MANHOLES TO BE RECONSTRUCTED	EACH	2	2	
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	1	
XX003338	TEST HOLE	EACH	5	5	
XX007201	6" PVC SEWER SERVICE PIPE	FOOT	10	10	

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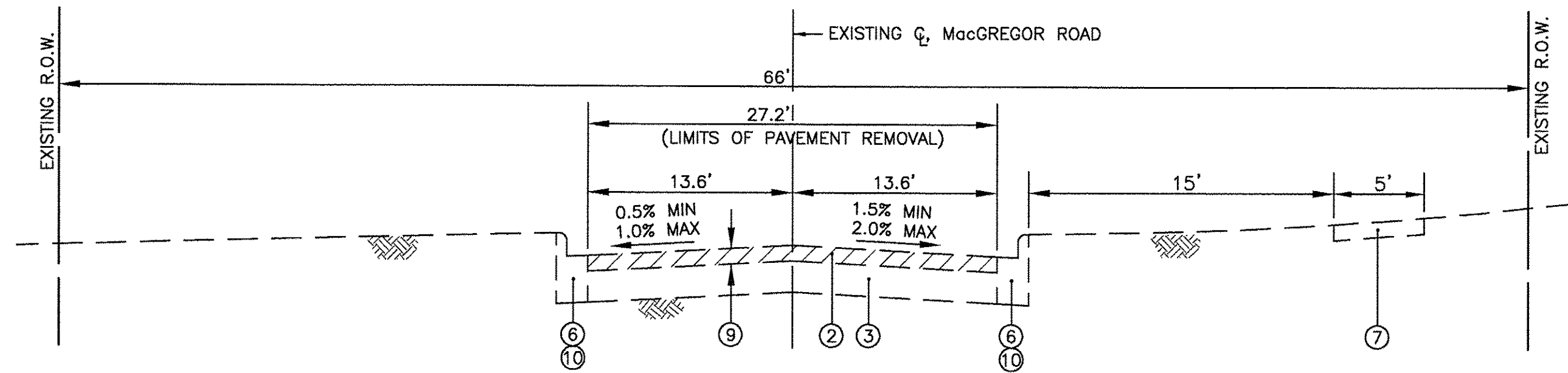
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES  
MacGREGOR ROAD/NORTH STREET**

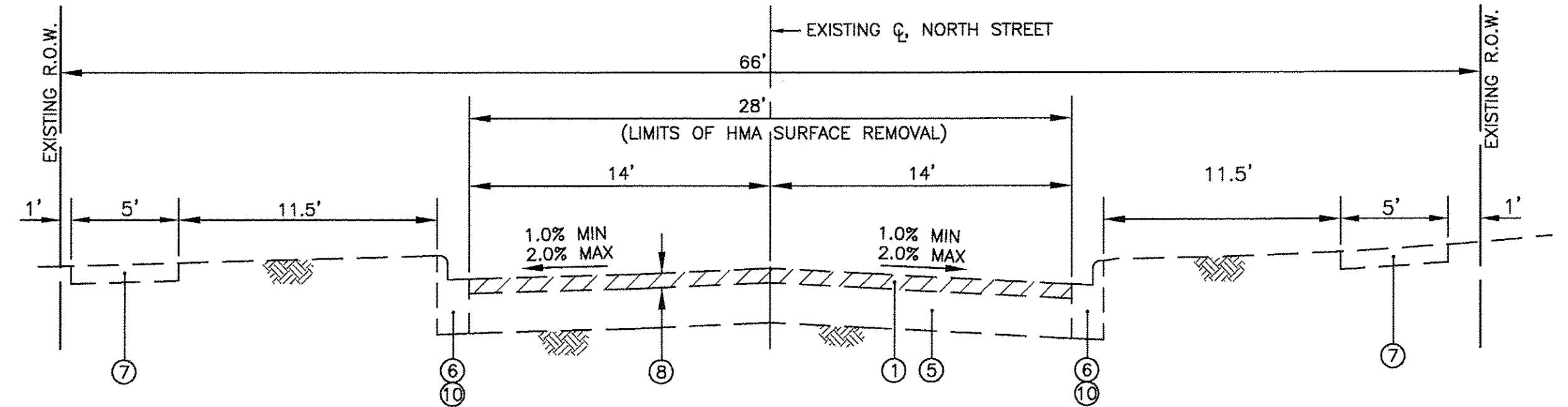
SCALE: NTS      SHEET NO. OF SHEETS      STA. TO STA.

F.A.U. RTE. 0287 & 0364	SECTION 15-00082-00-PV	COUNTY WILL	TOTAL SHEETS 74	SHEET NO. 8
CONTRACT NO. 61D33			ILLINOIS FED. AID PROJECT	

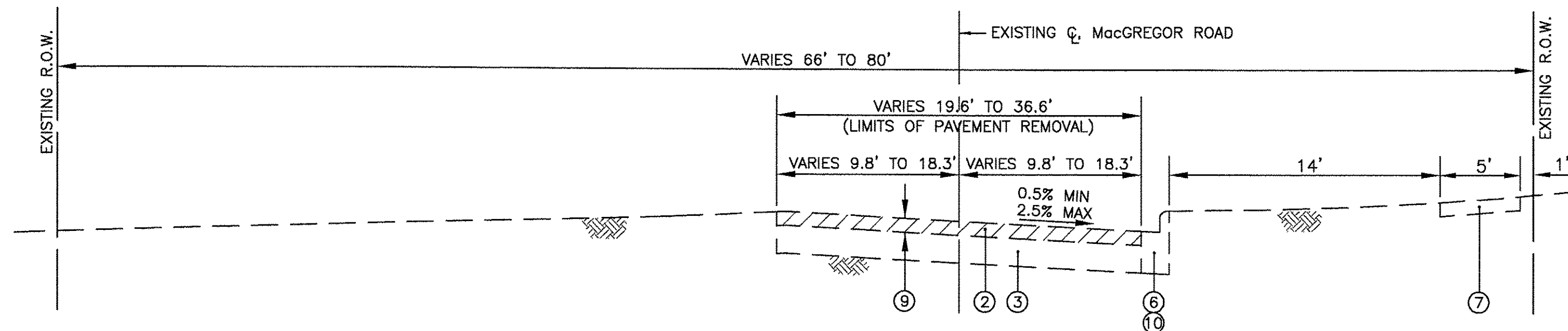




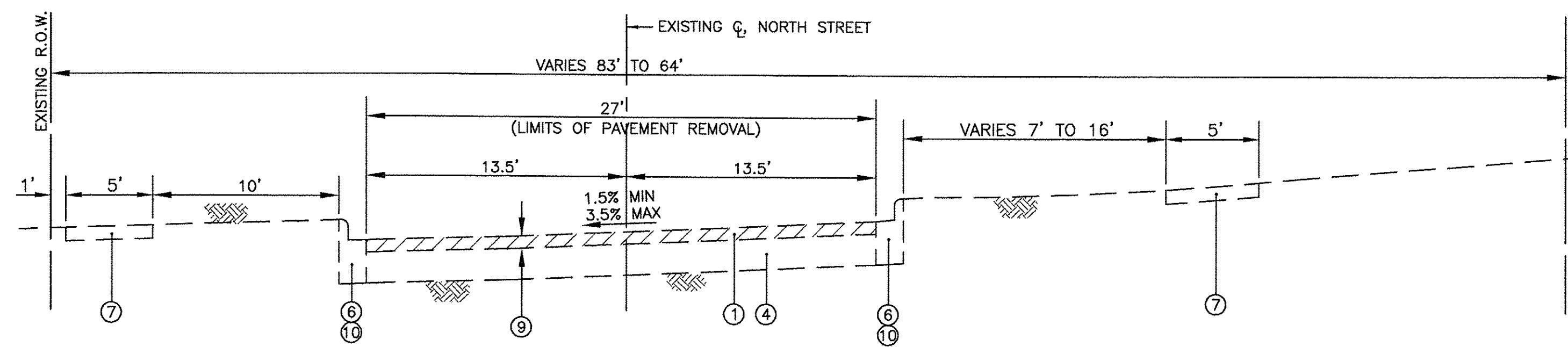
EXISTING TYPICAL SECTION  
STA. 6+20.25 TO STA. 8+96.26, MacGREGOR ROAD



EXISTING TYPICAL SECTION  
STA. 58+65.29 TO STA. 75+92.90, NORTH STREET  
STA. 76+85.90 TO STA. 78+20.94, NORTH STREET



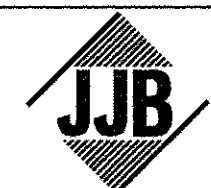
EXISTING TYPICAL SECTION  
STA. 8+96.26 TO STA. 18+65.68, MacGREGOR ROAD



EXISTING TYPICAL SECTION  
STA. 49+95.00 TO STA. 58+65.29, NORTH STREET

**LEGEND**

- ① EXISTING HOT-MIX ASPHALT PAVEMENT, 3.6" AND VARIES
- ② EXISTING HOT-MIX ASPHALT PAVEMENT, 4" AND VARIES
- ③ EXISTING AGGREGATE BASE COURSE, 8" AND VARIES
- ④ EXISTING AGGREGATE BASE COURSE, 9" AND VARIES
- ⑤ EXISTING AGGREGATE BASE COURSE, 10" AND VARIES
- ⑥ EXISTING CURB AND GUTTER, TYPE B-6.12
- ⑦ EXISTING PCC SIDEWALK
- ⑧ HOT-MIX ASPHALT SURFACE REMOVAL, 3 3/4"
- ⑨ PAVEMENT REMOVAL
- ⑩ COMBINATION CONCRETE CURB AND GUTTER REMOVAL (AT LOCATIONS DESIGNATED BY THE ENGINEER)



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DESIGNED — BDH  
DRAWN — SMP  
CHECKED — BDH  
DATE — 10/07/16

REVISED — —  
REVISED — —  
REVISED — —  
REVISED — —

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

EXISTING TYPICAL SECTIONS  
MacGREGOR ROAD/NORTH STREET

SCALE: NTS SHEET NO. OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0287 & 0384	15-00082-00-PV	WILL	74	9
CONTRACT NO. 61D33				
ILLINOIS FED. AID PROJECT				

**LEGEND**

- ① EXISTING AGGREGATE BASE COURSE, 10" & VARIES
- ② EXISTING PCC SIDEWALK
- ③ HOT-MIX ASPHALT SURFACE REMOVAL, 3 3/4"
- ④ COMBINATION CONCRETE CURB & GUTTER REMOVAL AND REPLACEMENT\*
- ⑤ CLASS D PATCHES, 7" \*
- ⑥ AGGREGATE SUBGRADE IMPROVEMENT\*
- ⑦ GEOTECHNICAL FABRIC FOR GROUND STABILIZATION\*
- ⑧ SODDING, SALT TOLERANT (SPECIAL) \*  
(INCLUDES 4" PULVERIZED TOP SOIL AND FERTILIZER)
- ⑨ SUB-BASE GRANULAR MATERIAL, TYPE B 2"  
(COST INCLUDED IN P.C.C. SIDEWALK 5")
- ⑩ SUB-BASE GRANULAR MATERIAL, TYPE B 4"  
(COST INCLUDED IN CURB & GUTTER REMOVAL & REPLACEMENT)
- ⑪ SUB-BASE GRANULAR MATERIAL, TYPE B 4"
- ⑫ HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, 1 1/2"
- ⑬ HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, 2"
- ⑭ HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 2 1/4"
- ⑮ HOT-MIX ASPHALT BASE COURSE, 6 3/4"
- ⑯ BITUMINOUS MATERIALS (TACK COAT)
- ⑰ BITUMINOUS MATERIALS (PRIME COAT)
- ⑱ PREPARATION OF BASE
- ⑲ AGGREGATE BASE REPAIR
- ⑳ PORTLAND CEMENT CONCRETE SIDEWALK 5"  
(AT ENTRANCES, THE SIDEWALK SHALL BE INCREASED TO THE THICKNESS OF THE DRIVEWAY PAVEMENT, COST INCLUDED IN P.C.C. SIDEWALK 5")
- ㉑ COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.12

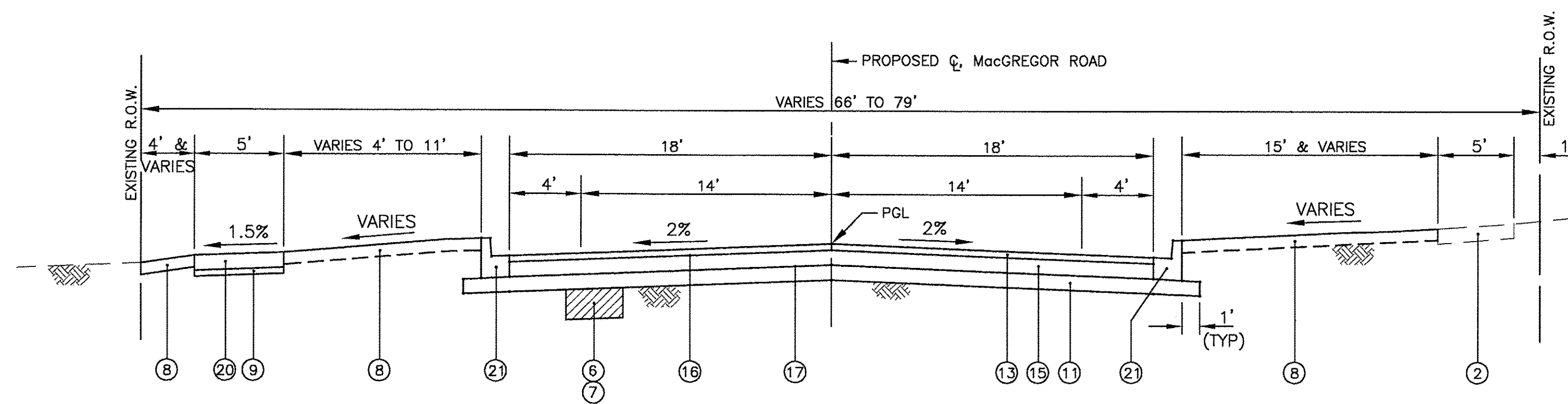
\*AT LOCATIONS DESIGNATED BY THE ENGINEER

**HOT-MIX ASPHALT MIXTURE REQUIREMENTS**

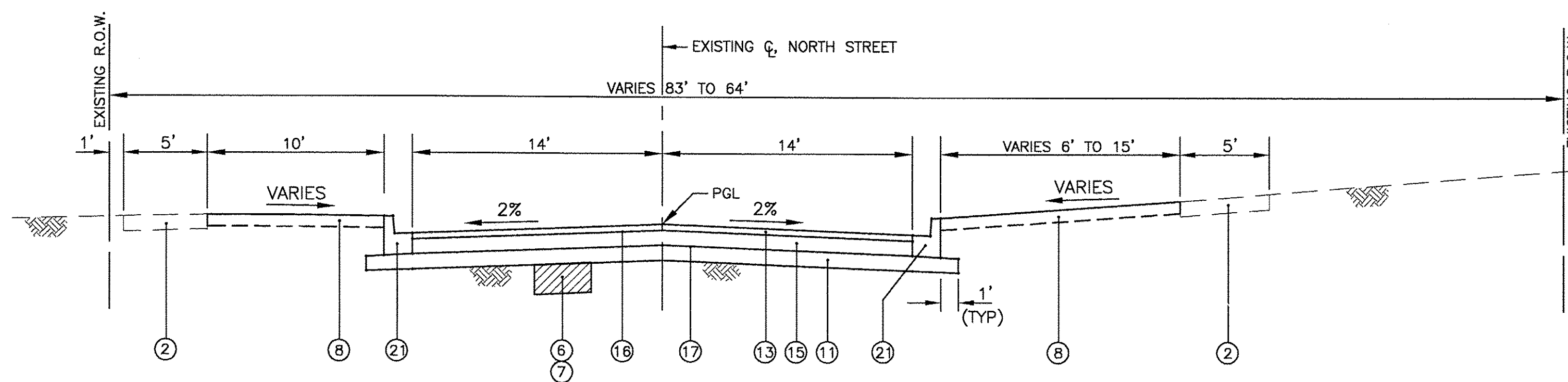
MIXTURE TYPE	AIR VOIDS @ Ndes
<b>STREET PAVEMENT</b>	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, 2", (IL-9.5mm)	4% @ 50 Gyr.
HOT-MIX ASPHALT BASE COURSE, 6 3/4" (2 LIFTS) (HMA BINDER IL-19mm)	4% @ 50 Gyr.
<b>PAVEMENT RESURFACING</b>	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, 1-1/2", (IL-9.5mm)	4% @ 50 Gyr.
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 2 1/4"	4% @ 50 Gyr.
<b>PATCHING</b>	
CLASS D PATCHES, 7" (2 LIFTS) (HMA BINDER IL-19mm)	4% @ 70 Gyr.
<b>DRIVEWAYS</b>	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, 2", (IL-9.5mm)	4% @ 50 Gyr.
HOT-MIX ASPHALT BASE COURSE, 2" OR 4" (HMA BINDER IL-19mm)	4% @ 50 Gyr.

**NOTES:**

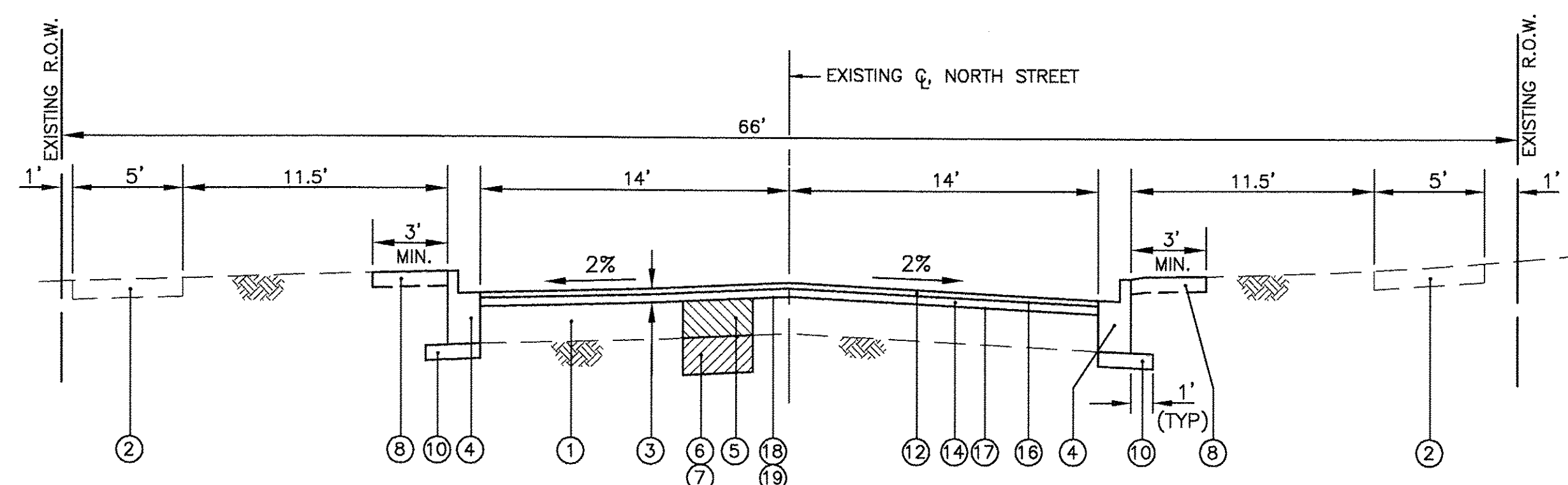
- 1) THE UNIT WEIGHT USED TO CALCULATE ALL HMA QUANTITIES IS 112 LB/SY/IN.
- 2) THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISIONS.
- 3) FOR HMA FULL DEPTH "AC TYPE" SEE SPECIAL PROVISION.
- 4) FOR USE OF RECYCLED MATERIAL SEE SPECIAL PROVISIONS.



**PROPOSED TYPICAL SECTION**  
STA. 6+20.25 TO STA. 18+65.68, MacGREGOR ROAD



**PROPOSED TYPICAL SECTION**  
STA. 49+95.00 TO STA. 58+65.29, NORTH STREET



**PROPOSED TYPICAL SECTION**  
STA. 58+65.29 TO STA. 75+92.90, NORTH STREET  
STA. 76+85.90 TO STA. 78+20.94, NORTH STREET



INLET FILTERS		
STATION		
FROM	OFFSET (FEET)	QUANTITY (EACH)
<b>MacGREGOR ROAD</b>		
6+05	14.26' RT	1
6+05	14.04' LT	1
7+70	17.86' RT	1
65+00	18.0' LT	1
65+00	18.16' RT	1
10+24	24.13' RT	1
11+40	18.0' LT	1
11+40	18.0' RT	1
12+75	18.0' RT	1
12+90	23.79' RT	1
13+38	24.49' RT	1
14+75	18.0' LT	1
14+75	18.0' RT	1
15+90	18.10' RT	1
16+10	23.80' RT	1
16+54	24.61' RT	1
16+55	18.0' LT	1
17+55	18.0' LT	1
17+55	18.0' RT	1
18+55	18.19' RT	1
19+26	23.53' RT	1
<b>TOTAL</b>		<b>36</b>
<b>NORTH STREET</b>		
51+05	14.0' LT	1
52+05	14.0' LT	1
53+10	14.14' LT	1
53+10	14.01' RT	1
54+30	14.0' LT	1
55+10	14.0' LT	1
55+80	14.0' LT	1
55+80	14.0' RT	1
56+23	12.82' LT	1
56+45	14.0' LT	1
57+15	14.0' LT	1
57+99	14.41' LT	1
58+47	15.58' LT	1
58+81	14.88' LT	1
58+81	14.29' RT	1
<b>TOTAL</b>		<b>36</b>

DRAINAGE & UTILITY STRUCTURES TO BE ADJUSTED		
STATION		
FROM	OFFSET (FEET)	QUANTITY (EACH)
<b>MacGREGOR ROAD</b>		
9+10	34' LT	1
9+12.7	27' LT	1
10+38.1	28' RT	1
13+36.3	42' RT	1
13+54.7	28' RT	1
<b>NORTH STREET</b>		
57+98.7	14' LT	1
58+06.7	20' RT	1
58+47.1	16' LT	1
58+81	14' RT	1
58+81	14' LT	1
63+86	14' RT	1
65+42	21.5' RT	1
65+80	21' RT	1
67+54	14' RT	1
67+54	14' LT	1
73+12.5	14' RT	1
73+12.5	34.5' LT	1
<b>TOTAL</b>		<b>17</b>

SANITARY MANHOLES TO BE RECONSTRUCTED		
STATION		
FROM	OFFSET (FEET)	QUANTITY (EACH)
<b>MacGREGOR ROAD</b>		
10+03.2	3' LT	1
<b>NORTH STREET</b>		
54+07.1	3' LT	1
<b>TOTAL</b>		<b>2</b>

FIRE HYDRANTS TO BE MOVED		
STATION		
FROM	OFFSET (FEET)	QUANTITY (EACH)
<b>MacGREGOR ROAD</b>		
8+31	24.4' LT	1
<b>NORTH STREET</b>		
57+92	25.1' RT	1
<b>TOTAL</b>		<b>2</b>

SANITARY MANHOLES TO BE ADJUSTED		
STATION		
FROM	OFFSET (FEET)	QUANTITY (EACH)
<b>MacGREGOR ROAD</b>		
8+84.2	31' LT	1
9+08.8	28' LT	1
13+15.4	10' RT	1
16+30.1	11' RT	1
<b>NORTH STREET</b>		
58+08.5	3' LT	1
<b>TOTAL</b>		<b>5</b>

REMOVING INLETS		
STATION		
FROM	OFFSET (FEET)	QUANTITY (EACH)
<b>NORTH STREET</b>		
56+23.3	13' LT	1
<b>TOTAL</b>		<b>1</b>

AGGREGATE SUBGRADE IMPROVEMENT		
STATION		
FROM	TO	QUANTITY (CU YD)
<b>MacGREGOR ROAD</b>		
10+50	16+00	809
16+00	18+65.68	287
<b>NORTH STREET</b>		
58+65.29	78+20.94	305
<b>TOTAL</b>		<b>1,401</b>

TREE TRUNK PROTECTION		
STATION		
FROM	OFFSET (FEET)	QUANTITY (EACH)
<b>MacGREGOR ROAD</b>		
10+46	27' RT	1
10+72	28' RT	1
11+35	30' RT	1
12+38	27' RT	1
12+96	28' LT	1
13+58	28' RT	1
13+75	28' RT	1
14+51	28' RT	1
14+94	27' RT	1
15+61	27' RT	1
16+55	25' LT	1
16+90	25' RT	1
17+07	24' LT	1
17+17	25' RT	1
17+45	25' RT	1
17+91	25' LT	1
18+13	24' LT	1
18+82	27' RT	1
<b>NORTH STREET</b>		
50+60	21' LT	1
50+85	21' LT	1
51+01	21' LT	1
51+57	21' LT	1
52+54	20' LT	1
52+74	20' LT	1
53+10	20' LT	1
53+38	19' LT	1
53+59	20' LT	1
54+10	23' LT	1
54+58	21' LT	1
55+17	21' LT	1
56+00	20' LT	1
56+95	19' RT	1
57+46	19' RT	1
57+65	20' LT	1
<b>TOTAL</b>		<b>34</b>

TREE ROOT PRUNING		
STATION		
FROM	OFFSET (FEET)	QUANTITY (EACH)
<b>MacGREGOR ROAD</b>		
10+46	27' RT	1
10+72	28' RT	1
11+35	30' RT	1
12+38	27' RT	1
12+96	28' LT	1
13+58	28' RT	1
13+75	28' RT	1
14+51	28' RT	1
14+94	27' RT	1
15+61	27' RT	1
16+55	25' LT	1
16+90	25' RT	1
17+07	24' LT	1
17+17	25' RT	1
17+45	25' RT	1
17+91	25' LT	1
18+13	24' LT	1
18+82	27' RT	1
<b>NORTH STREET</b>		
50+60	21' LT	1
50+85	21' LT	1
51+01	21' LT	1
51+57	21' LT	1
52+54	20' LT	1
52+74	20' LT	1
53+10	20' LT	1
53+38	19' LT	1
53+59	20' LT	1
54+10	23' LT	1
54+58	21' LT	1
55+17	21' LT	1
56+00	20' LT	1
56+95	19' RT	1
57+46	19' RT	1
57+65	20' LT	1
<b>TOTAL</b>		<b>34</b>

EARTHWORK		
LOCATION	REMOVAL & DISPOSAL OF UNSUITABLE MAT.* (CU YD)	FURNISHED EXCAVATION** (CU YD)
<b>MacGREGOR ROAD</b> STA 6+20.25 TO STA 18+65.68	2,074	119
<b>NORTH STREET</b> STA 50+00 TO STA 58+65.29	1,356	88
<b>UNDERCUTS</b>	1,401	0
<b>TOTAL QUANTITY =</b>	<b>4,831</b>	<b>207</b>

\*ALL CUT MATERIAL SHALL BE HAULED OFF SITE DUE TO NO ON SITE STORAGE LOCATIONS.  
\*\*ALL FILL MATERIAL (EMBANKMENT) SHALL BE BROUGHT IN FROM OFFSITE LOCATION.  
SINCE ON SITE EXCAVATED MATERIAL MUST BE HAULED OFF SITE.

FRAMES AND GRATES, TYPE 6		
STATION		
FROM	OFFSET (FEET)	QUANTITY (EACH)
<b>NORTH STREET</b>		
58+81	14' LT	1
63+86	14' RT	1
65+42	21.5' RT	1
67+54	14' RT	1
67+54	14' LT	1
73+12.5	34.5' LT	1
<b>TOTAL</b>		<b>6</b>

REMOVING MANHOLES		
STATION		
FROM	OFFSET (FEET)	QUANTITY (EACH)
<b>MacGREGOR ROAD</b>		
6+05	25' RT	1
9+89.2	6' LT	1
<b>NORTH STREET</b>		
56+43.7	3' RT	1
<b>TOTAL</b>		<b>3</b>

STORM SEWER REMOVAL 18"		
STATION		
FROM	TO	QUANTITY (FEET)
<b>MacGREGOR ROAD</b>		
6+20.25	10+50	231
10+50	16+00	48
16+00	18+65.68	44
<b>TOTAL</b>		<b>323</b>

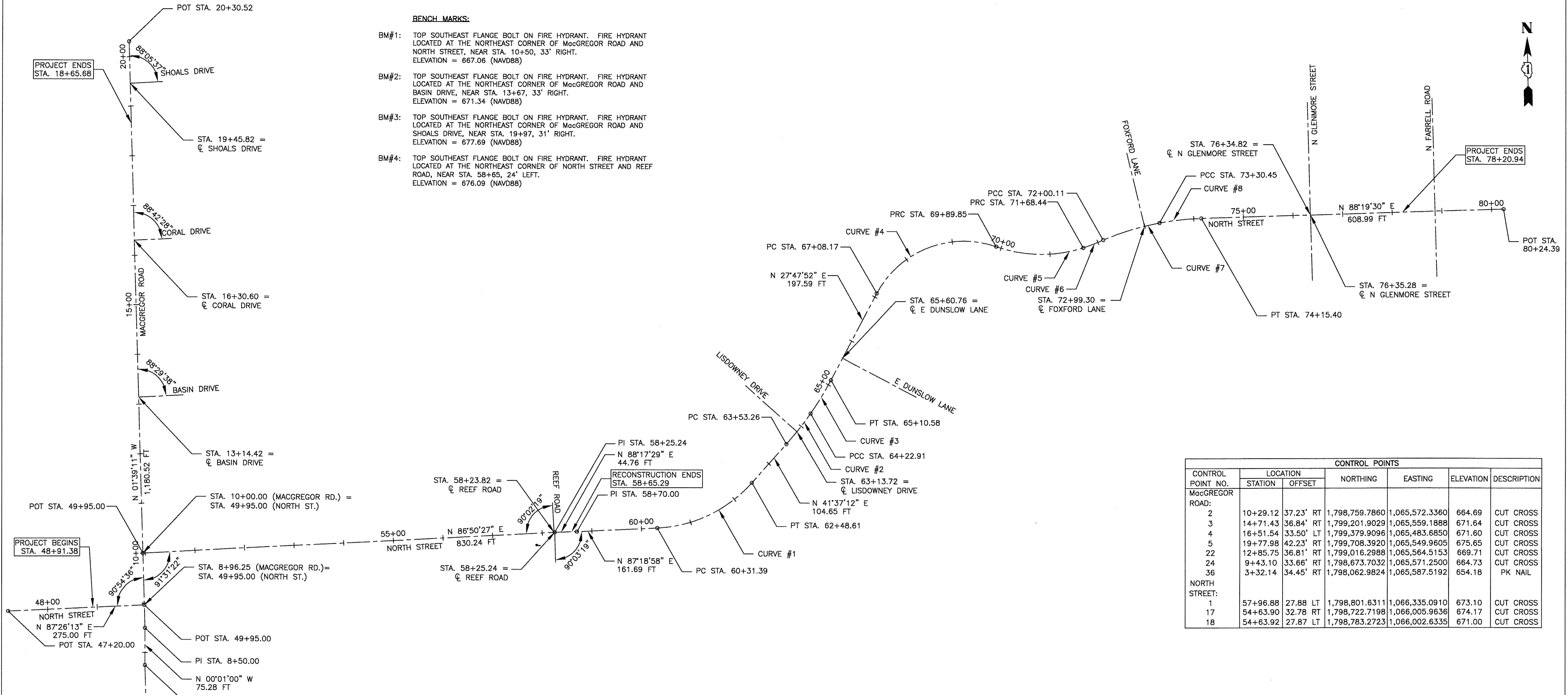
FRAMES AND LIDS, TYPE 1, CLOSED LID		
STATION		
FROM	OFFSET (FEET)	QUANTITY (EACH)
<b>MacGREGOR ROAD</b>		
8+84.2	31' LT	1
9+08.8	28' LT	1
9+10	34' LT	1
9+12.7	27' LT	1
10+03.2	3' LT	1
13+15.4	10' RT	1
16+30.1	11' RT	1
<b>NORTH STREET</b>		
54+07.1	3' LT	1
58+06.7	20' RT	1
58+08.5	3' LT	1
<b>TOTAL</b>		<b>10</b>

STORM SEWER REMOVAL 30"		
STATION		
FROM	TO	QUANTITY (FEET)
<b>NORTH STREET</b>		
54+00	58+65.29	31
<b>TOTAL</b>		<b>31</b>

FRAMES AND LIDS, TYPE 1, OPEN LID		
STATION		
FROM	OFFSET (FEET)	QUANTITY (EACH)
<b>NORTH STREET</b>		
57+98.7	14' LT	1
58+47.1	16' LT	1
<b>TOTAL</b>		<b>2</b>

REMOVING CATCH BASINS		
STATION		
FROM	OFFSET (FEET)	QUANTITY (EACH)
<b>MacGREGOR ROAD</b>		
10+23.8	24' RT	1
12+89.7	24' RT	1
13+38.5	24' RT	1
16+10.1	24' RT	1
16+53.8	25' RT	1
<b>TOTAL</b>		<b>5</b>

DRIVEWAY QUANTITY SCHEDULE							
STATION	OFFSET	EXISTING PAVEMENT	DRIVEWAY PAVEMENT REMOVAL (SQ. YD.)	HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 4" (SQ. YD.)	HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 6" (SQ. YD.)	P.C.C. DRIVEWAY PVMT 6 INCHES (SQ. YD.)	AGG. FOR TEMP ACCESS (TONS)
<b>MacGREGOR ROAD</b>							
8+89	RT	HMA	91	-	65	-	10
10+74	LT	HMA	68	18	-	-	3
11+21	RT	PCC	30	-	-	32	5
11+79	RT	HMA	38	38	-	-	6
12+01	LT	PCC	85	-	-	34	6
12+40	LT	HMA	55	22	-	-	4
13+22	LT	PCC	80	-	-	31	5
13+62	LT	HMA	72	31	-	-	5
14+34	RT	PCC	22	-	-	25	4
14+48	LT	PCC	78	-	-	30	5
15+12	LT	HMA	46	20	-	-	3
15+22	RT	HMA	22	25	-	-	4
15+50	LT	HMA	95	33	-	-	5
16+82	LT	PCC	54	-	-	20	3
18+24	RT	PCC	22	-	-	24	4
18+45	LT	HMA	34	28	-	-	5
<b>NORTH STREET</b>							
51+17	LT	HMA	16	15	-	-	3
51+79	LT	PCC	15	-	-	15	3
52+33	LT	PCC	15	-	-	15	3
52+61	RT	HMA	74	-	66	-	10
52+94	LT	PCC	15	-	-	15	3
54+00	LT	HMA	15	15	-	-	3
54+17	LT	HMA	14	15	-	-	3
54+72	LT	PCC	13	-	-	15	3
55+33	LT	HMA	19	16	-	-	3
56+57	LT	PCC	16	-	-	15	3
56+72	LT	HMA	16	15	-	-	3
57+34	LT	HMA	21	22	-	-	4
<b>TOTAL QUANTITY =</b>			<b>1141</b>	<b>313</b>	<b>131</b>	<b>271</b>	<b>121</b>



- BENCH MARKS:**
- BM#1: TOP SOUTHEAST FLANGE BOLT ON FIRE HYDRANT. FIRE HYDRANT LOCATED AT THE NORTHEAST CORNER OF MacGREGOR ROAD AND NORTH STREET, NEAR STA. 10+50, 33' RIGHT. ELEVATION = 667.06 (NAVD88)
  - BM#2: TOP SOUTHEAST FLANGE BOLT ON FIRE HYDRANT. FIRE HYDRANT LOCATED AT THE NORTHEAST CORNER OF MacGREGOR ROAD AND BASIN DRIVE, NEAR STA. 13+67, 33' RIGHT. ELEVATION = 671.34 (NAVD88)
  - BM#3: TOP SOUTHEAST FLANGE BOLT ON FIRE HYDRANT. FIRE HYDRANT LOCATED AT THE NORTHEAST CORNER OF MacGREGOR ROAD AND SHOALS DRIVE, NEAR STA. 19+97, 31' RIGHT. ELEVATION = 677.69 (NAVD88)
  - BM#4: TOP SOUTHEAST FLANGE BOLT ON FIRE HYDRANT. FIRE HYDRANT LOCATED AT THE NORTHEAST CORNER OF NORTH STREET AND REEF ROAD, NEAR STA. 58+65, 24' LEFT. ELEVATION = 676.09 (NAVD88)

CONTROL POINTS						
CONTROL POINT NO.	LOCATION		NORTHING	EASTING	ELEVATION	DESCRIPTION
	STATION	OFFSET				
<b>MacGREGOR ROAD:</b>						
2	10+29.12	37.23' RT	1,798,759.7860	1,065,572.3360	664.69	CUT CROSS
3	14+71.43	36.84' RT	1,799,201.9029	1,065,559.1888	671.64	CUT CROSS
4	16+51.54	33.50' LT	1,799,379.9096	1,065,483.6850	671.60	CUT CROSS
5	19+77.98	42.23' RT	1,799,708.3920	1,065,549.9605	675.65	CUT CROSS
22	12+85.75	36.81' RT	1,799,016.2988	1,065,564.5153	669.71	CUT CROSS
24	9+43.10	33.66' RT	1,798,673.7032	1,065,571.2500	664.73	CUT CROSS
36	3+32.14	34.45' RT	1,798,062.9824	1,065,587.5192	654.18	PK NAIL
<b>NORTH STREET:</b>						
1	57+96.88	27.88 LT	1,798,801.6311	1,066,335.0910	673.10	CUT CROSS
17	54+63.90	32.78 RT	1,798,722.7198	1,066,005.9636	674.17	CUT CROSS
18	54+63.92	27.87 LT	1,798,783.2723	1,066,002.6335	671.00	CUT CROSS

CURVE NO.	Δ	D <sub>a</sub>	T	R	L	E	POT/PI STATION	POT/PI COORDINATES		PC STATION	PC COORDINATES		PT STATION	PT COORDINATES	
								NORTHING	EASTING		NORTHING	EASTING		NORTHING	EASTING
<b>MacGREGOR ROAD:</b>															
							3+31.57	1,798,061.4178	1,065,553.0986						
							7+74.72	1,798,504.3862	1,065,540.3143						
							8+50.00	1,798,579.6669	1,065,540.2925						
							20+30.52	1,799,759.6937	1,065,506.2363						
<b>NORTH STREET: (WEST OF MACGREGOR)</b>															
							47+20.00	1,798,613.6062	1,065,264.2332						
							49+95.00	1,798,625.9045	1,065,538.9581						
<b>NORTH STREET:</b>															
							49+95.00	1,798,729.6045	1,065,535.9652						
							58+25.24	1,798,775.3604	1,066,364.9405						
							58+70.00	1,798,776.6950	1,066,409.6836						
							64+46.29	1,798,789.6332	1,066,685.6714	60+31.69	1,798,784.2667	1,066,571.1973	62+48.61	1,798,875.3010	1,066,761.7907
1	45°41'37"	21°03'53"	114.60'	272.00'	216.92'	23.16'									
2	06°07'15"	08°47'16"	34.86'	651.99'	69.65'	0.93'									
3	07°41'56"	08°46'56"	43.90'	652.41'	87.66'	1.48'									
4	81°30'34"	28°56'14"	170.64'	198.00'	281.68'	63.38'									
5	36°56'23"	20°41'02"	92.52'	277.01'	178.59'	15.04'									
6	06°33'08"	20°41'04"	15.86'	277.00'	31.68'	0.45'									
7	13°37'42"	10°27'21"	65.48'	547.98'	130.34'	3.90'									
8	08°52'54"	10°27'20"	42.56'	548.00'	84.95'	1.65'									
							72+65.59	1,799,387.4274	1,067,518.2263						
							73+73.01	1,799,407.2124	1,067,624.4383						
							80+24.39	1,799,426.2551	1,068,275.7034						

**NOTES:**

- SHOULD CONTROL POINTS OR BENCH MARKS BE DESTROYED, THE CONTRACTOR SHALL BE RESPONSIBLE FOR THEIR RE-ESTABLISHMENT, WHICH SHALL BE INCLUDED IN THE CONTRACT COST PER LUMP SUM OF CONSTRUCTION LAYOUT.
- ALL ELEVATIONS ARE NAVD88 DATUM.
- COORDINATES, BEARINGS & DISTANCES SHOWN HEREON REFERENCE THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (NAD83) (2011 ADJUSTMENT) "GRID".

ALL MEASURED AND CALCULATED DISTANCES ARE "GRID" NOT "GROUND". TO OBTAIN GROUND DISTANCES, DIVIDE GRID DISTANCES SHOWN BY THE COMBINATION FACTOR OF 0.999957 PER NGS PID'S AE2535 AND AE2558.

**JJB**  
**JAMES J. BENES & ASSOCIATES, INC.**  
 950 Warrenville Road, Suite 101, Lisle, Illinois 60532  
 Tel. (630) 719-7570 • Fax (630) 719-7589

DESIGNED -- BDH	REVISED --
DRAWN -- TLA	REVISED --
CHECKED -- BDH	REVISED --
DATE -- 10/07/16	REVISED --

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

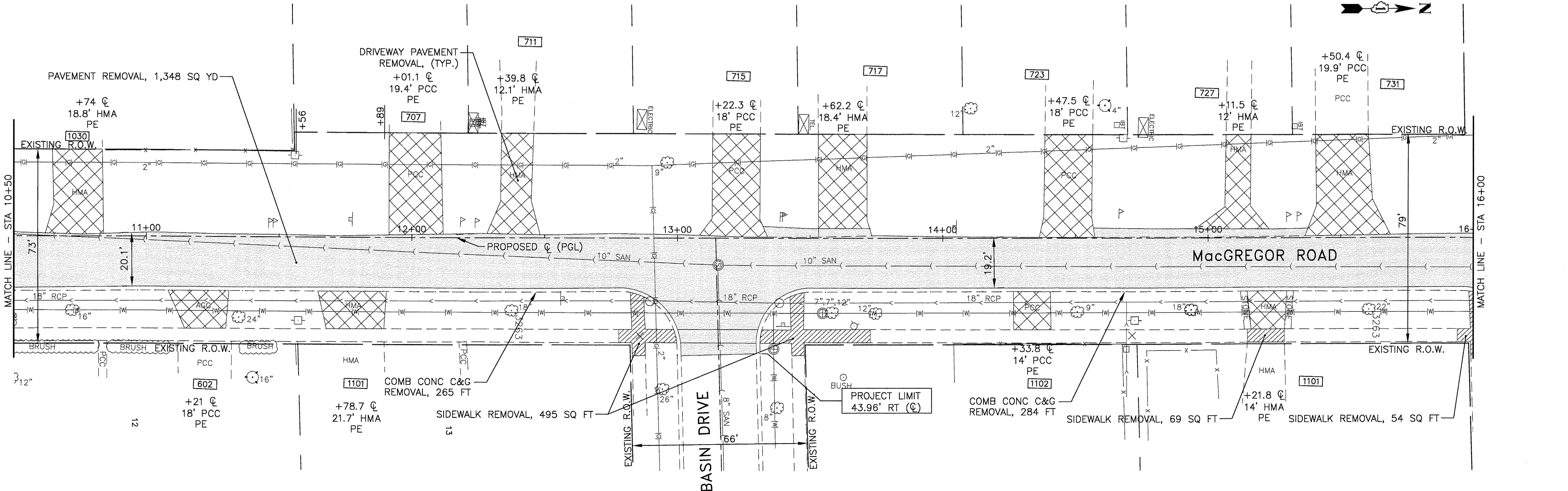
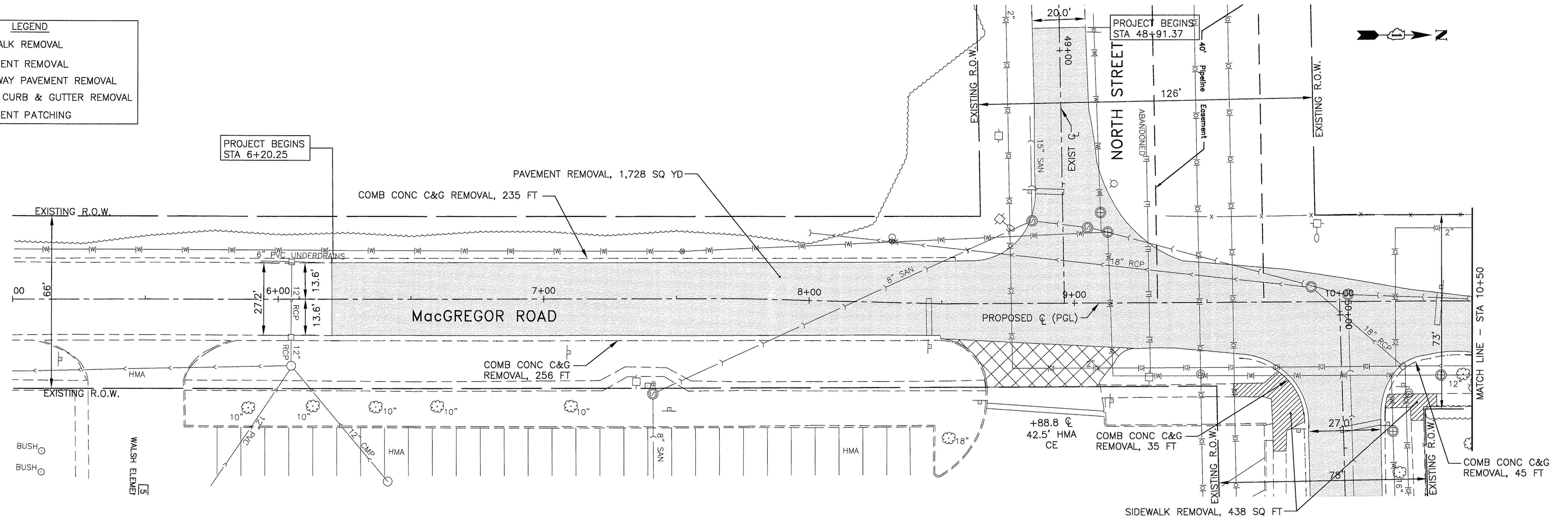
**ALIGNMENT, CURVE DATA AND BENCH MARKS**  
**MacGREGOR ROAD/NORTH STREET**

SCALE: 1" = 100' SHEET NO. OF SHEETS STA. TO STA.

F.A.U. RTE. 0287 & 0364	SECTION 15-00082-00-PV	COUNTY WILL	TOTAL SHEETS 74	SHEET NO. 12
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61D33	



LEGEND	
	SIDEWALK REMOVAL
	PAVEMENT REMOVAL
	DRIVEWAY PAVEMENT REMOVAL
	COMB CURB & GUTTER REMOVAL
	PAVEMENT PATCHING



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DRAWN —	TLA	REVISED —	_____
CHECKED —	BDH	REVISED —	_____
DATE —	10/07/16	REVISED —	_____

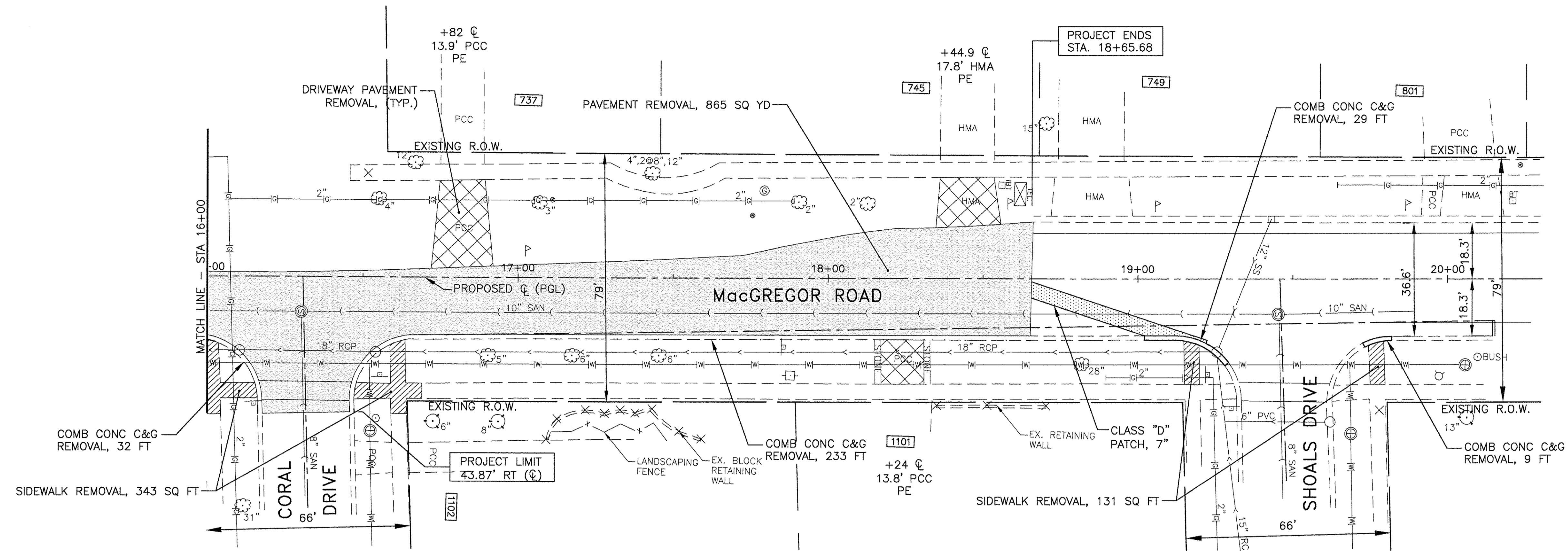
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**REMOVAL PLAN  
 MacGREGOR ROAD - NORTH STREET TO SHOALS DRIVE**

SCALE: 1"=20' SHEET NO. \_\_\_ OF \_\_\_ SHEETS STA. \_\_\_\_\_ TO STA. \_\_\_\_\_

F.A.U. RTE. 0287 & 0364	SECTION 15-00082-00-PV	COUNTY WILL	TOTAL SHEETS 74	SHEET NO. 13
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61D33	





LEGEND	
	SIDEWALK REMOVAL
	PAVEMENT REMOVAL
	DRIVEWAY PAVEMENT REMOVAL
	COMB CURB & GUTTER REMOVAL
	PAVEMENT PATCHING

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DRAWN	—	TLA	REVISED	—
CHECKED	—	BDH	REVISED	—
DATE	—	10/07/16	REVISED	—

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

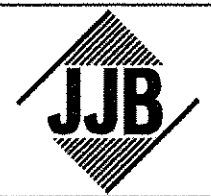
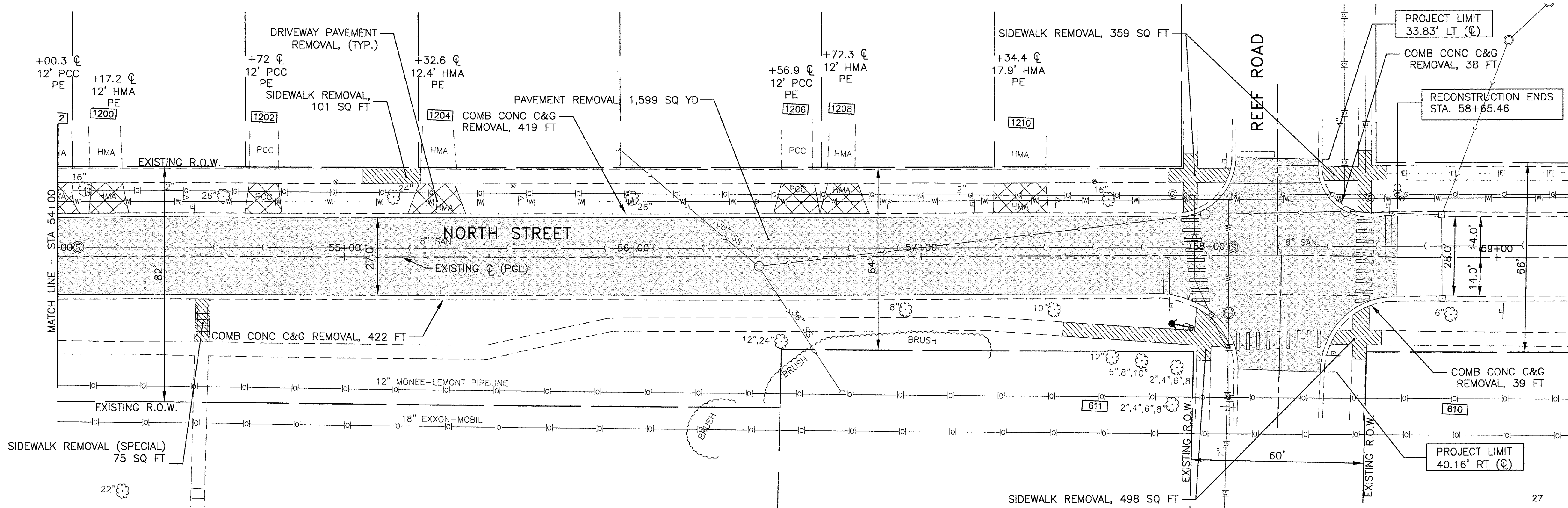
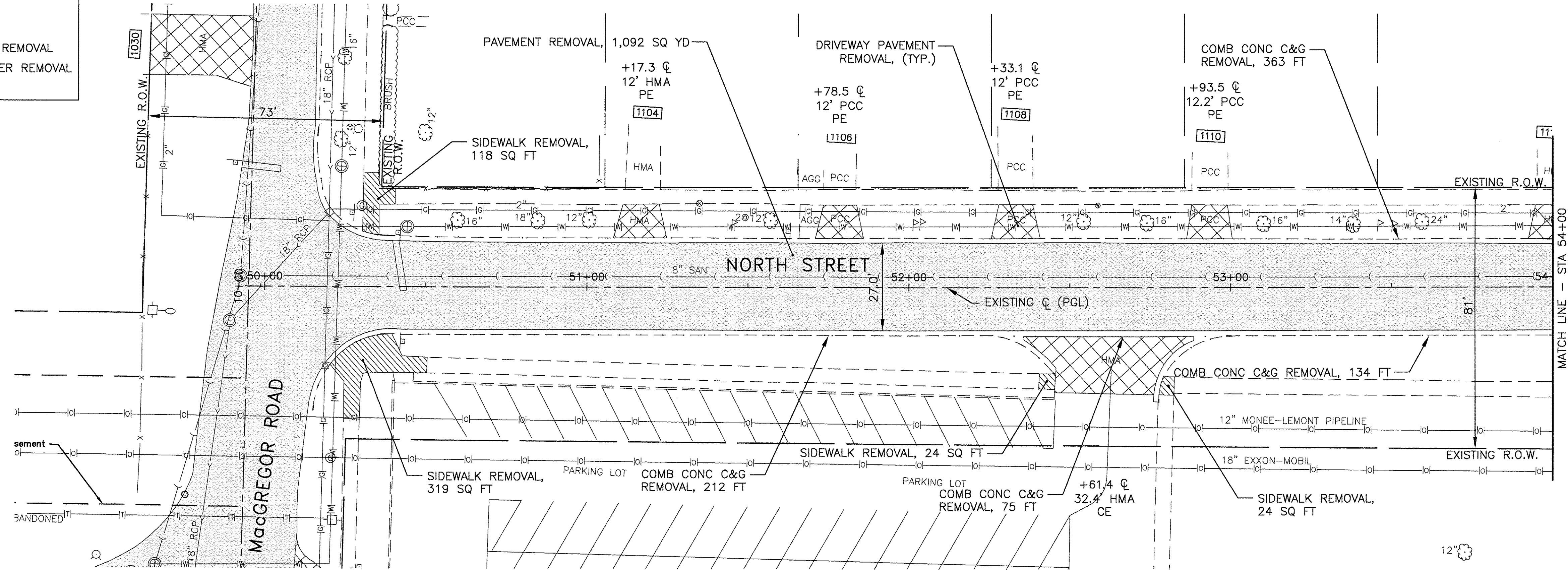
**REMOVAL PLAN**  
**MacGREGOR ROAD - NORTH STREET TO SHOALS DRIVE**

SCALE: 1"=20' SHEET NO. \_\_\_ OF \_\_\_ SHEETS STA. \_\_\_\_\_ TO STA. \_\_\_\_\_

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0287 & 0364	15-00082-00-PV	WILL	74	14
CONTRACT NO. 61D33			ILLINOIS FED. AID PROJECT	

**LEGEND**

	SIDEWALK REMOVAL
	PAVEMENT REMOVAL
	DRIVEWAY PAVEMENT REMOVAL
	COMB CURB & GUTTER REMOVAL
	PAVEMENT PATCHING



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DESIGNED —	BLG	REVISED —	
DRAWN —	TLA	REVISED —	
CHECKED —	BDH	REVISED —	
DATE —	10/07/16	REVISED —	

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**REMOVAL PLAN  
 MacGREGOR ROAD - NORTH STREET TO SHOALS DRIVE**

SCALE: 1"=20' SHEET NO. \_\_\_ OF \_\_\_ SHEETS STA. \_\_\_\_\_ TO STA. \_\_\_\_\_

F.A.U. RTE. 0287 & 0364	SECTION 15-00082-00-PV	COUNTY WILL	TOTAL SHEETS 74	SHEET NO. 15
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61D33	

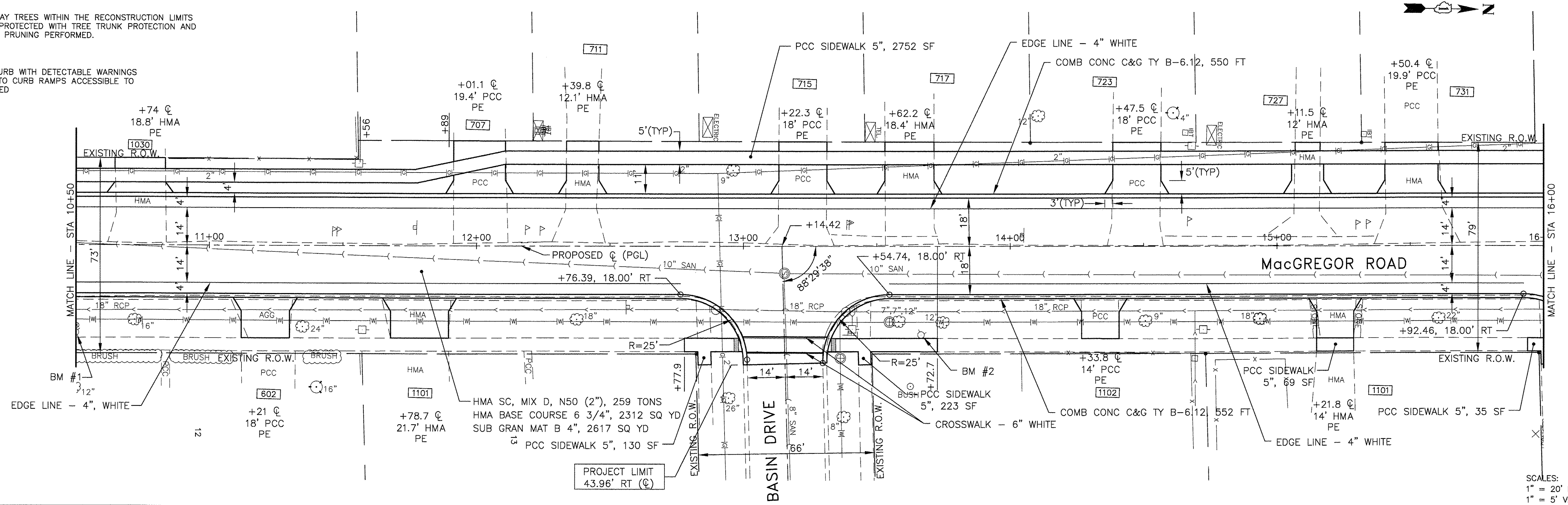






NOTES :  
 1) ALL PARKWAY TREES WITHIN THE RECONSTRUCTION LIMITS SHALL BE PROTECTED WITH TREE TRUNK PROTECTION AND TREE ROOT PRUNING PERFORMED.

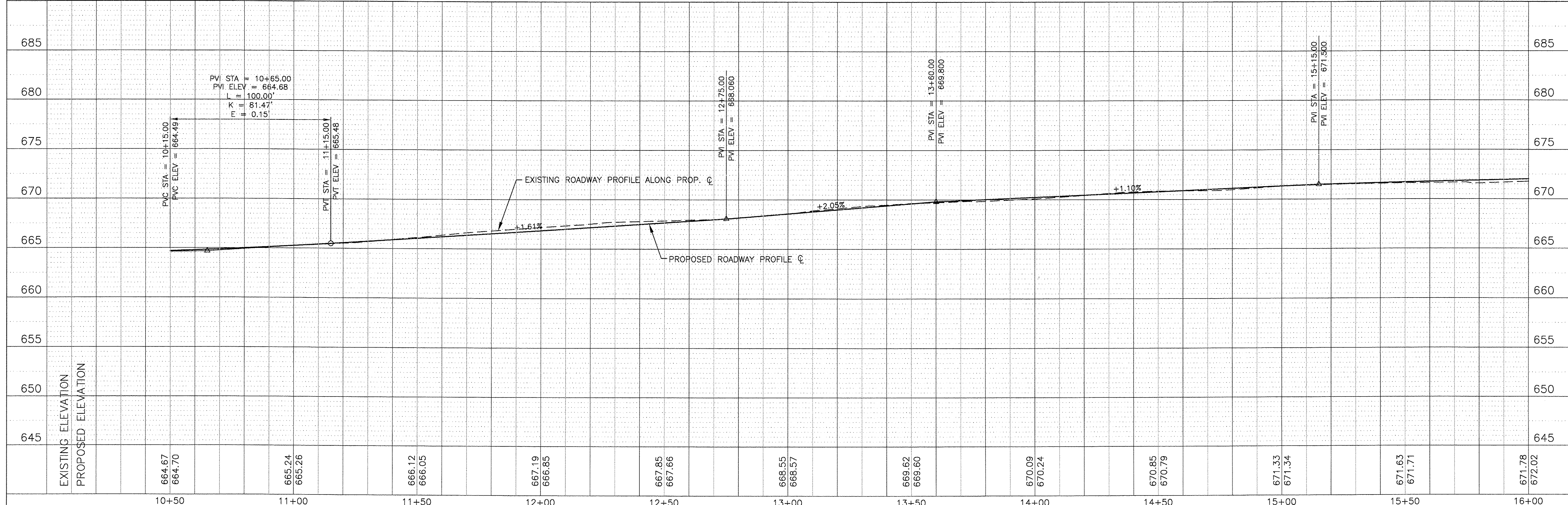
LEGEND  
 DEPRESS CURB WITH DETECTABLE WARNINGS ADJACENT TO CURB RAMPS ACCESSIBLE TO THE DISABLED



SCALES:  
 1" = 20' HOR  
 1" = 5' VER

DATE	
BY	
PLANNED	
NOTED	
NO.	

DATE	
BY	
PLANNED	
NOTED	
NO.	



EXISTING ELEVATION	664.67	665.24	666.12	667.19	668.85	669.85	670.09	670.85	671.33	671.63	671.78
PROPOSED ELEVATION	664.70	665.26	666.05	666.85	667.66	668.57	669.60	670.24	671.34	671.71	672.02
	10+50	11+00	11+50	12+00	12+50	13+00	13+50	14+00	14+50	15+00	16+00

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DESIGNED - BDH	REVISED -
DRAWN - SMP	REVISED -
CHECKED - BDH	REVISED -
DATE - 10/07/16	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

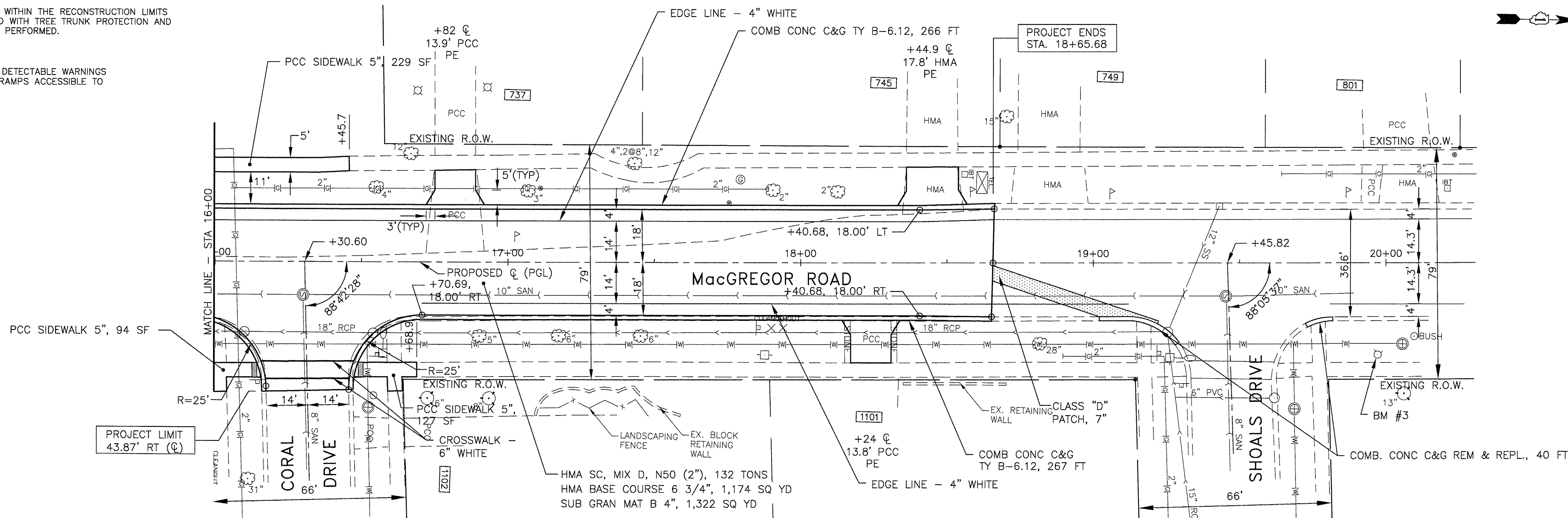
PLAN AND PROFILE  
 MacGREGOR ROAD - NORTH STREET TO SHOALS DRIVE  
 SCALE: 1"=20' SHEET NO. \_\_\_ OF \_\_\_ SHEETS STA. 10+50 TO STA. 16+00

F.A.U. RTE. 0287 & 0364	SECTION 15-00082-00-PV	COUNTY WILL	TOTAL SHEETS 74	SHEET NO. 17
CONTRACT NO. 61D33			ILLINOIS FED. AID PROJECT	



NOTES:  
 1) ALL PARKWAY TREES WITHIN THE RECONSTRUCTION LIMITS SHALL BE PROTECTED WITH TREE TRUNK PROTECTION AND TREE ROOT PRUNING PERFORMED.

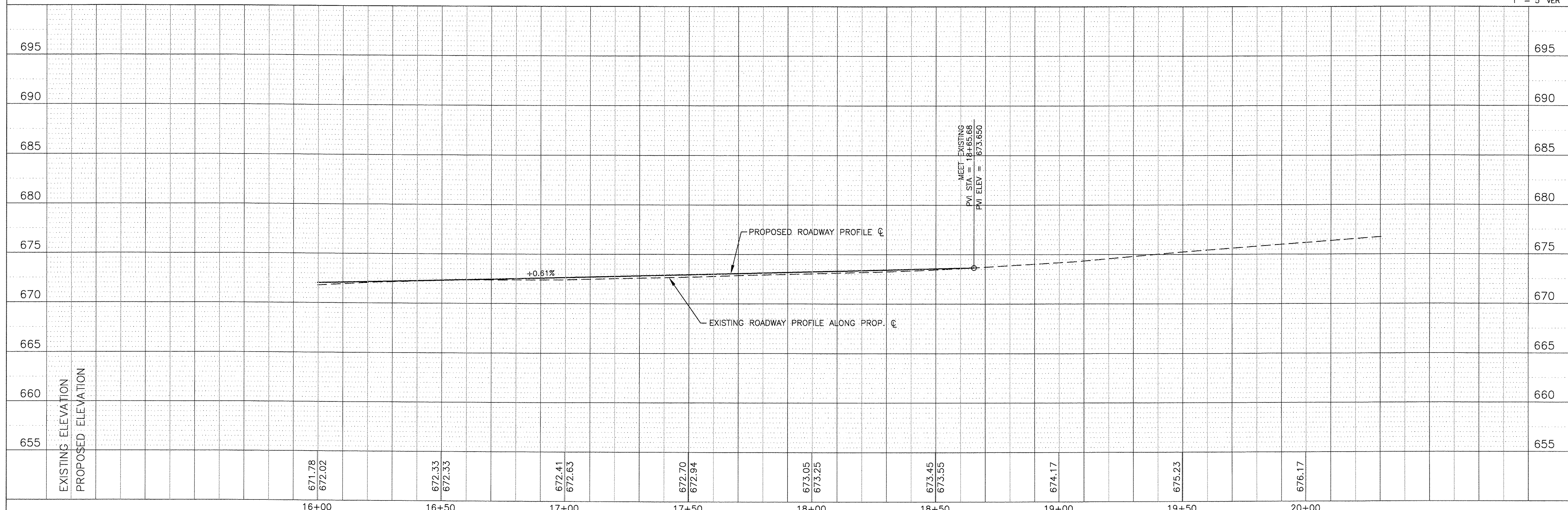
LEGEND  
 DEPRESS CURB WITH DETECTABLE WARNINGS ADJACENT TO CURB RAMPS ACCESSIBLE TO THE DISABLED



SCALES:  
 1" = 20' HOR  
 1" = 5' VER

PLAN	BY	DATE
SURVEYED		
PLOTTED		
CHECKED		
NO. _____		

PROFILE	BY	DATE
SURVEYED		
PLOTTED		
CHECKED		
NO. _____		



16+00	671.78 672.02	16+50	672.33 672.33	17+00	672.41 672.63	17+50	672.70 672.94	18+00	673.05 673.25	18+50	673.45 673.55	19+00	674.17	19+50	675.23	20+00	676.17
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DRAWN - SMP	REVISED -
CHECKED - BDH	REVISED -
DATE - 10/07/16	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE  
 MacGREGOR ROAD - NORTH STREET TO SHOALS DRIVE

SCALE: 1"=20' SHEET NO. \_\_\_ OF \_\_\_ SHEETS STA. 16+00 TO STA. 20+00

F.A.U. RTE. 0287 & 0364	SECTION 15-00082-00-PV	COUNTY WILL	TOTAL SHEETS 74	SHEET NO. 18
CONTRACT NO. 61D.33			ILLINOIS FED. AID PROJECT	



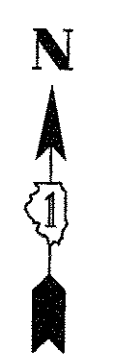
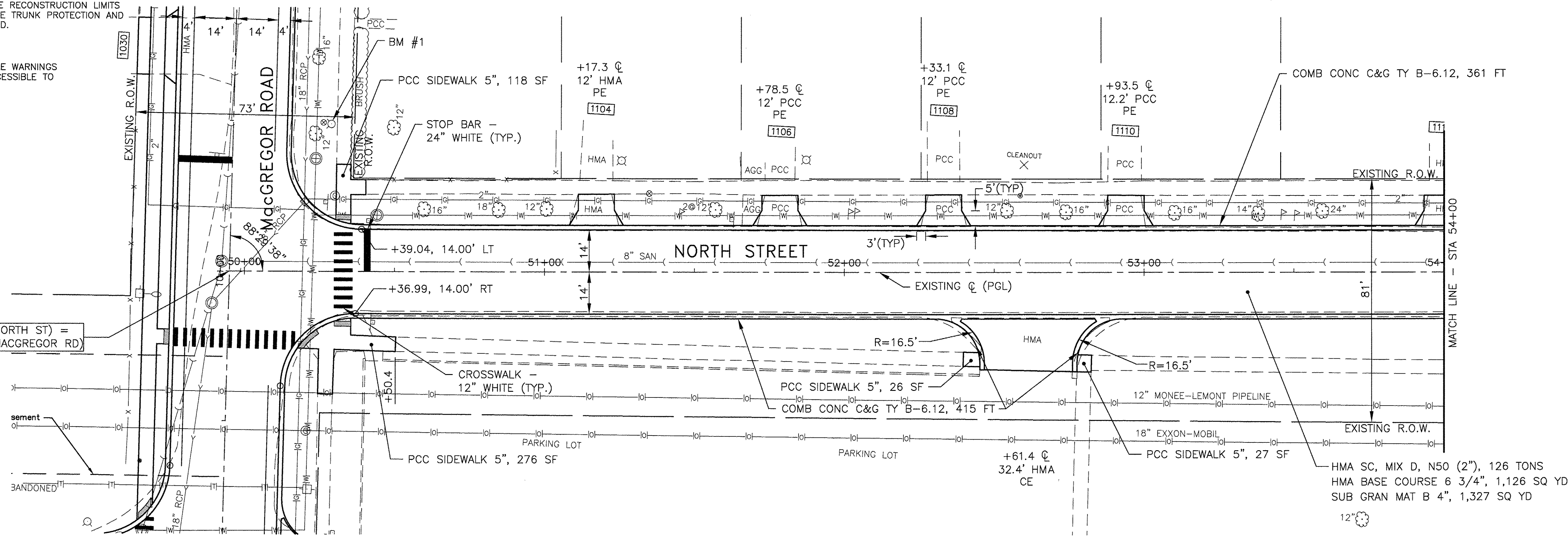




NOTES:  
 1) ALL PARKWAY TREES WITHIN THE RECONSTRUCTION LIMITS SHALL BE PROTECTED WITH TREE TRUNK PROTECTION AND TREE ROOT PRUNING PERFORMED.

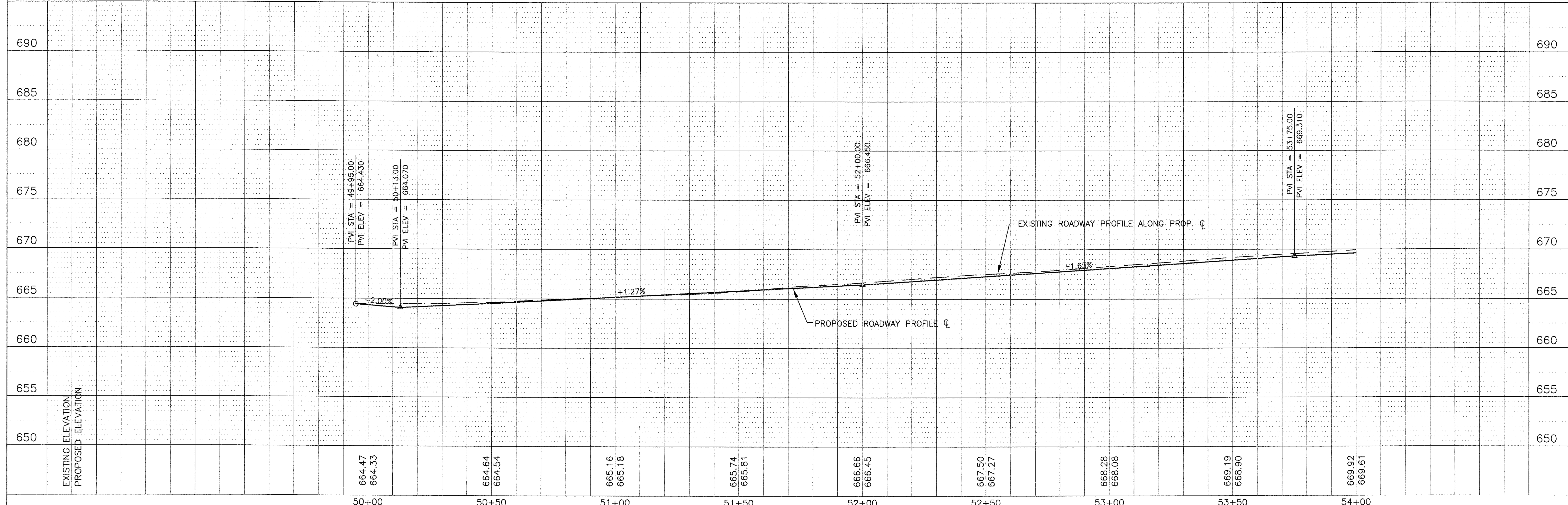
LEGEND  
 DEPRESS CURB WITH DETECTABLE WARNINGS ADJACENT TO CURB RAMPS ACCESSIBLE TO THE DISABLED

DATE	
BY	
PLAN	
NO.	
DATE	
BY	
PROFILE	
NO.	



SCALES:  
 1" = 20' HOR  
 1" = 5' VER

DATE	
BY	
PROFILE	
NO.	
DATE	
BY	
PLAN	
NO.	



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DRAWN	- SMP	REVISED	-
CHECKED	- BDH	REVISED	-
DATE	- 10/07/16	REVISED	-

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE  
 NORTH STREET - MacGREGOR ROAD TO FARRELL ROAD  
 SCALE: 1"=20' SHEET NO. \_\_\_ OF \_\_\_ SHEETS STA. 50+00 TO STA. 54+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0287 & 0364	15-00082-00-PV	WILL	74	20
CONTRACT NO. 61D33			ILLINOIS FED. AID PROJECT	

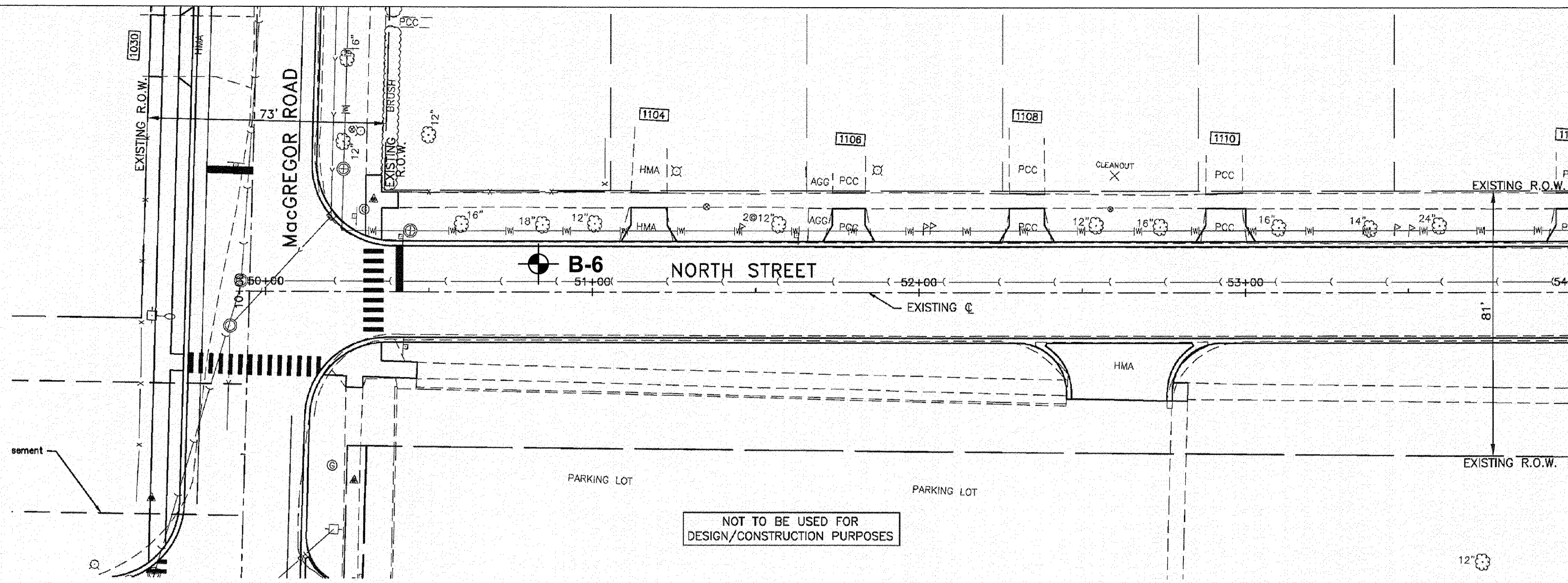






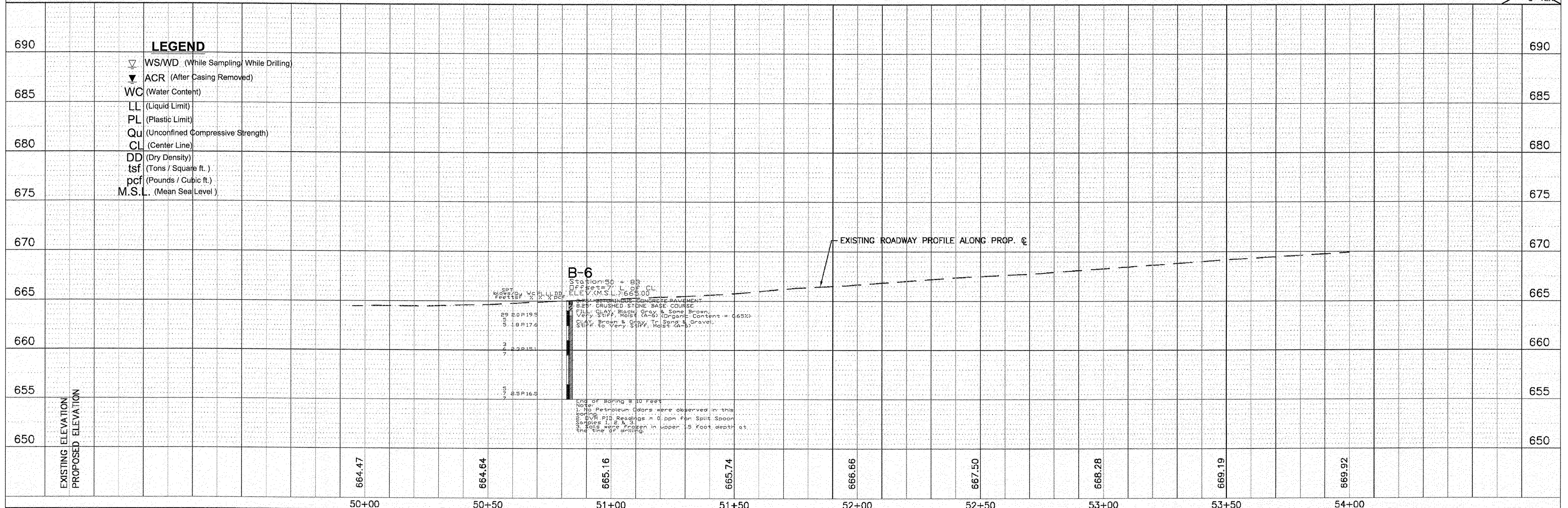
PLAN	SURVEYED	DATE
	PLOTTED	BY
	CHECKED	
	REVISIONS	
NOTE BOOK	NO. OF WAY CHECKED	
NO.	CADD FILE NAME	

PROFILE	SURVEYED	DATE
	PLOTTED	BY
	CHECKED	
	REVISIONS	
NOTE BOOK	NO. OF WAY CHECKED	
NO.	STRUCTURE NOTATION CHKO	



NOT TO BE USED FOR DESIGN/CONSTRUCTION PURPOSES

SCALE: 1" = 40' HOR 1" = 5' VER



**LEGEND**

- ▽ WS/WD (While Sampling/While Drilling)
- ▼ ACR (After Casing Removed)
- WC (Water Content)
- LL (Liquid Limit)
- PL (Plastic Limit)
- Qu (Unconfined Compressive Strength)
- CL (Center Line)
- DD (Dry Density)
- tsf (Tons / Square ft.)
- pcf (Pounds / Cubic ft.)
- M.S.L. (Mean Sea Level)

PREPARED BY:  
**SEECO Consultants, Inc.**  
 7350 Duwan Drive, Tinley Park, Illinois 60477  
 OFFICE: (708) 429-1666 FAX: (708) 429-1689

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 JAMES J. BENES & ASSOCIATES, INC.  
 950 Warrenville Road, Suite 101, Lisle, Illinois 60532  
 Tel. (630) 719-7570 • Fax (630) 719-7589

DESIGNED	—	BLG	REVISED	—
DRAWN	—	SMP	REVISED	—
CHECKED	—	BLG	REVISED	—
DATE	—	10/07/16	REVISED	—

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

**GEOTECHNICAL PLAN AND PROFILES**  
**MacGREGOR ROAD/NORTH STREET**

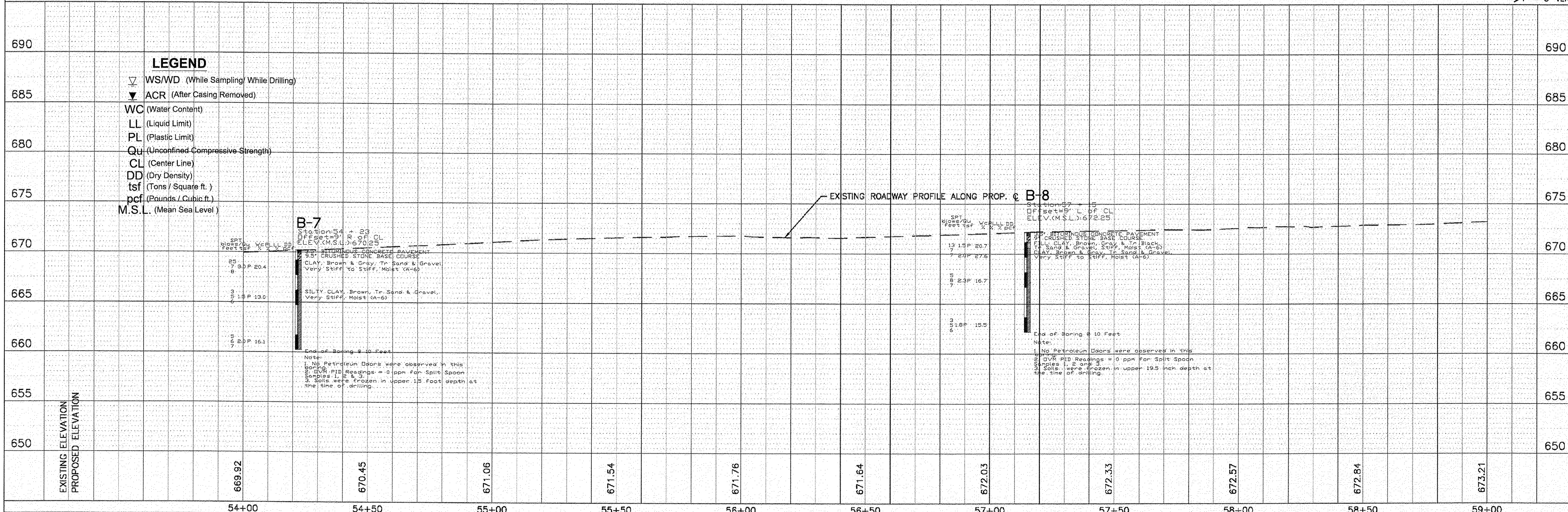
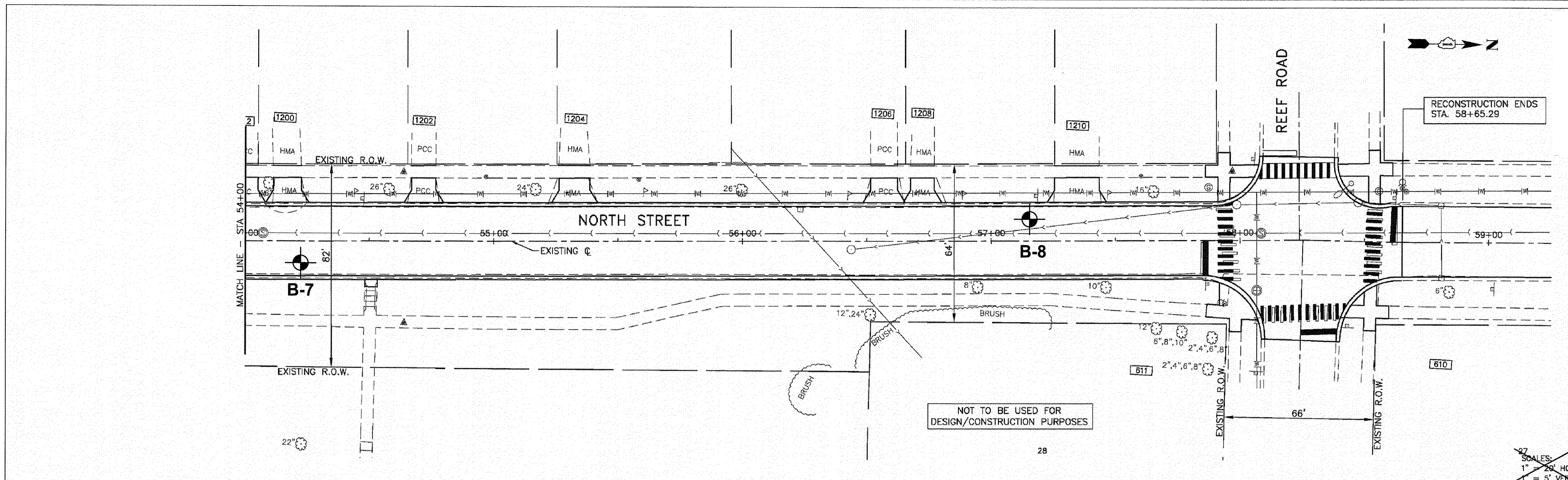
SCALE: NTS SHEET NO. \_\_\_ OF \_\_\_ SHEETS STA. \_\_\_\_\_ TO STA. \_\_\_\_\_

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0287 & 0364	15-00082-00-PV	WILL	74	22
				CONTRACT NO. 61D33
ILLINOIS FED. AID PROJECT				



PLAN	SURVEYED	DATE
	PLOTTED	
	CHECKED	
	BY	
	NO. OF WAY CHECKED	
	CADD FILE NAME	
	NO.	

PROFILE	SURVEYED	DATE
	PLOTTED	
	CHECKED	
	BY	
	NO. OF WAY CHECKED	
	STRUCTURE NOTATIONS CHKD	
	NO.	



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DESIGNED	—	BLG	REVISED	—
DRAWN	—	SMP	REVISED	—
CHECKED	—	BLG	REVISED	—
DATE	—	10/07/16	REVISED	—

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

**GEOTECHNICAL PLAN AND PROFILES**  
**MacGREGOR ROAD/NORTH STREET**

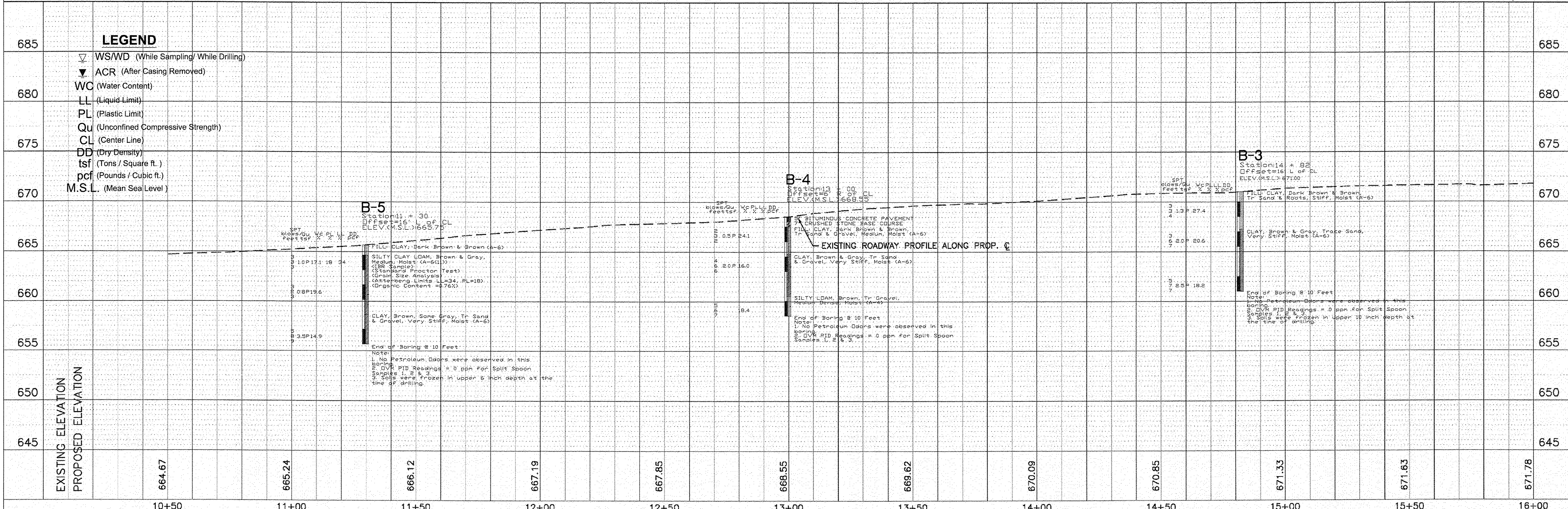
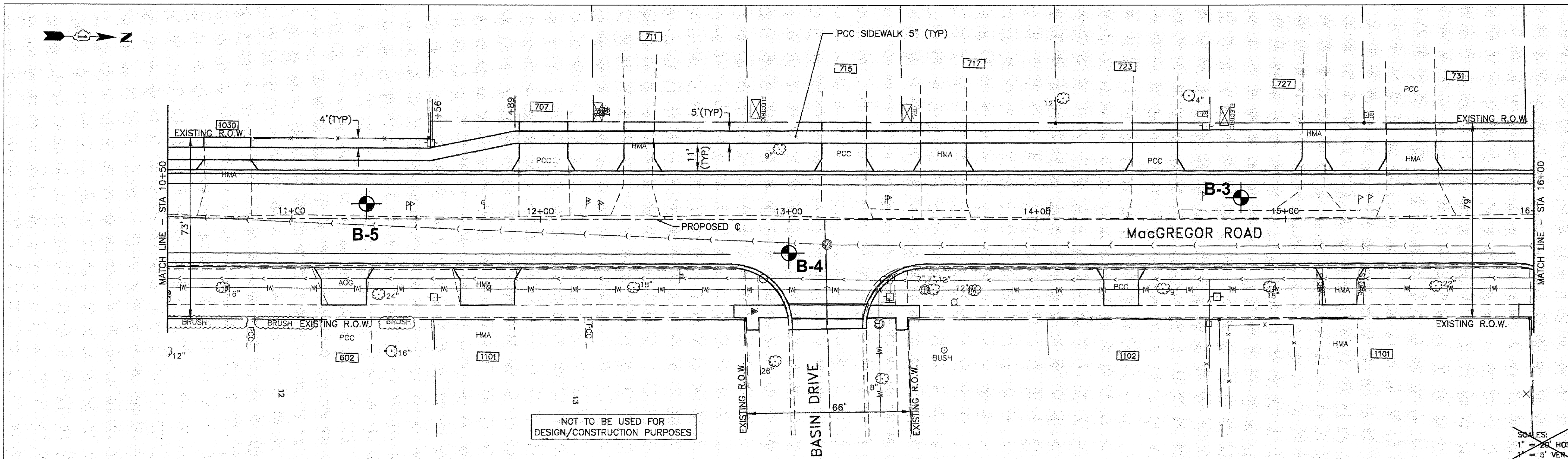
SCALE: NTS SHEET NO. \_\_\_ OF \_\_\_ SHEETS STA. \_\_\_\_\_ TO STA. \_\_\_\_\_

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0287 & 0364	15-00082-00-PV	WILL	74	23
CONTRACT NO. 61D33				
ILLINOIS FED. AID PROJECT				



PLAN	SURVEYED	DATE
	PLOTTED	
	CHECKED	
	BY	
	NO. OF WAY CHECKED	
	CADD FILE NAME	

PROFILE	SURVEYED	DATE
	PLOTTED	
	CHECKED	
	BY	
	NO. OF WAY CHECKED	
	STRUCTURE NOTATIONS CHK'D	



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DESIGNED	—	BLG	REVISED	—
DRAWN	—	SMP	REVISED	—
CHECKED	—	BLG	REVISED	—
DATE	—	10/07/16	REVISED	—

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

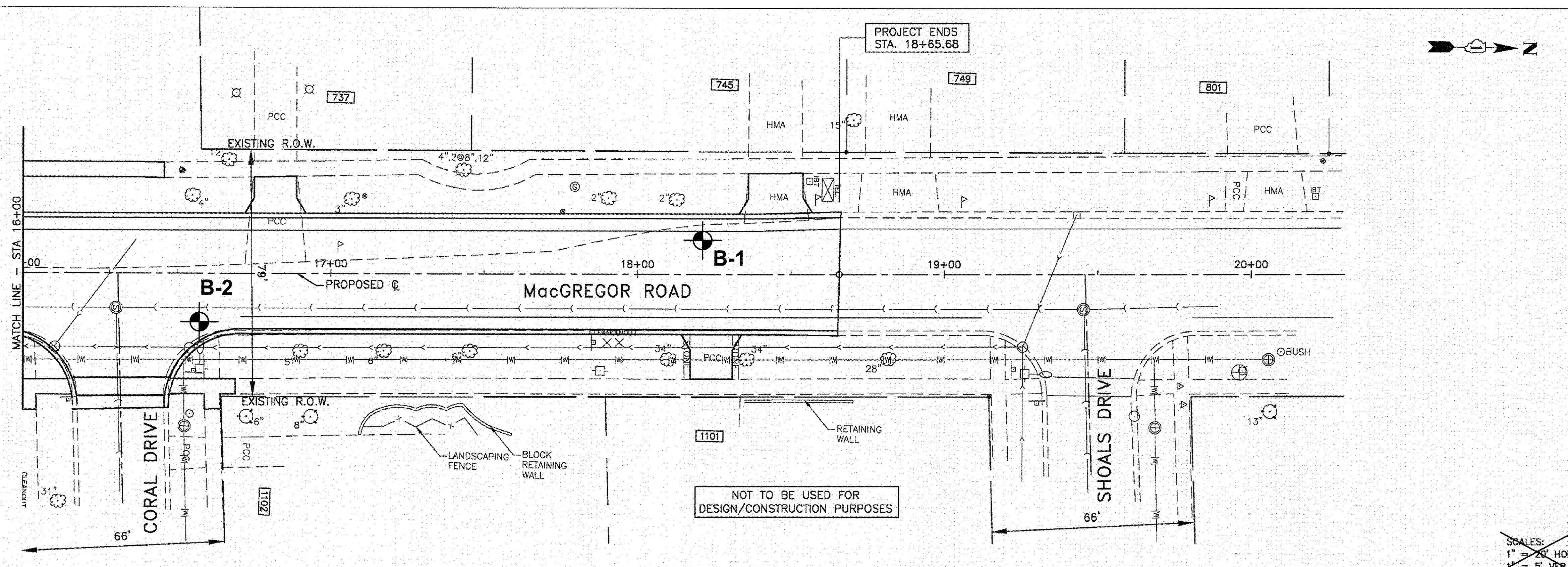
GEOTECHNICAL PLAN AND PROFILES  
 MacGREGOR ROAD/NORTH STREET  
 SCALE: NTS SHEET NO. \_\_\_ OF \_\_\_ SHEETS STA. \_\_\_\_\_ TO STA. \_\_\_\_\_

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0287 & 0364	15-00082-00-PV	WILL	74	24
CONTRACT NO. 61D33			ILLINOIS FED. AID PROJECT	

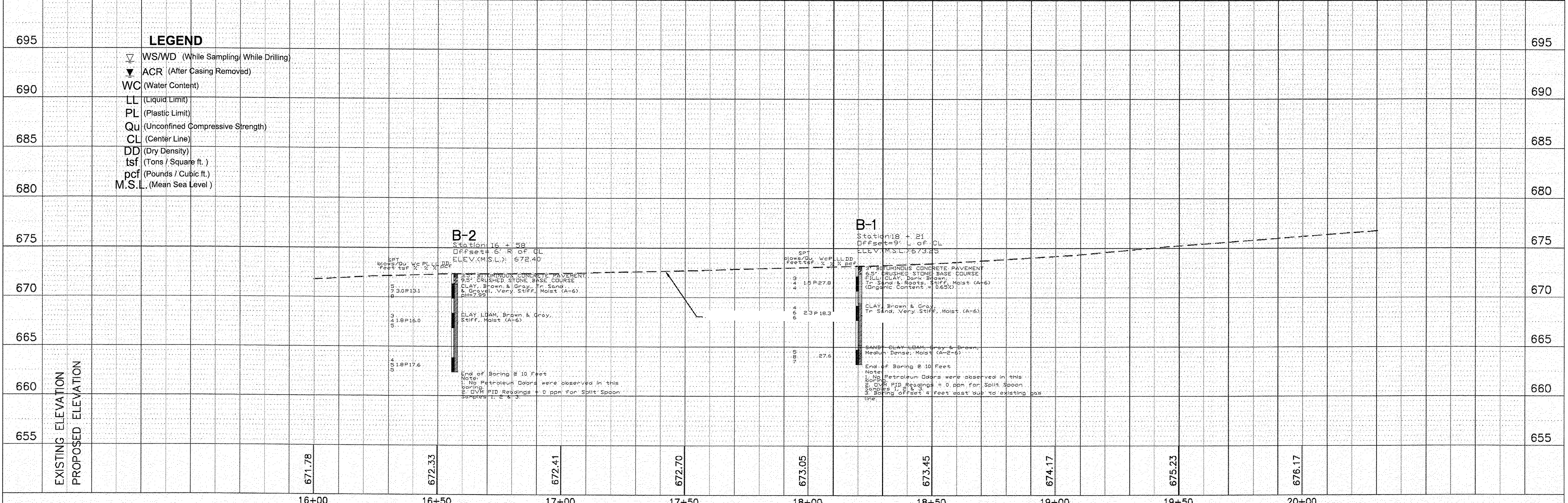


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	PLOTTED		
	NOTE BOOK		
	NO.		
	FILE NAME		

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	NOTE BOOK		
	NO.		
	STRUCTURE NOTATIONS		



SCALE: 1" = 20' HOR  
1" = 5' VER



PREPARED BY:

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OFFICE: (708) 429-1686 FAX: (708) 429-1689

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DESIGNED	—	BLG	REVISED	—
DRAWN	—	SMP	REVISED	—
CHECKED	—	BLG	REVISED	—
DATE	—	10/07/16	REVISED	—

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

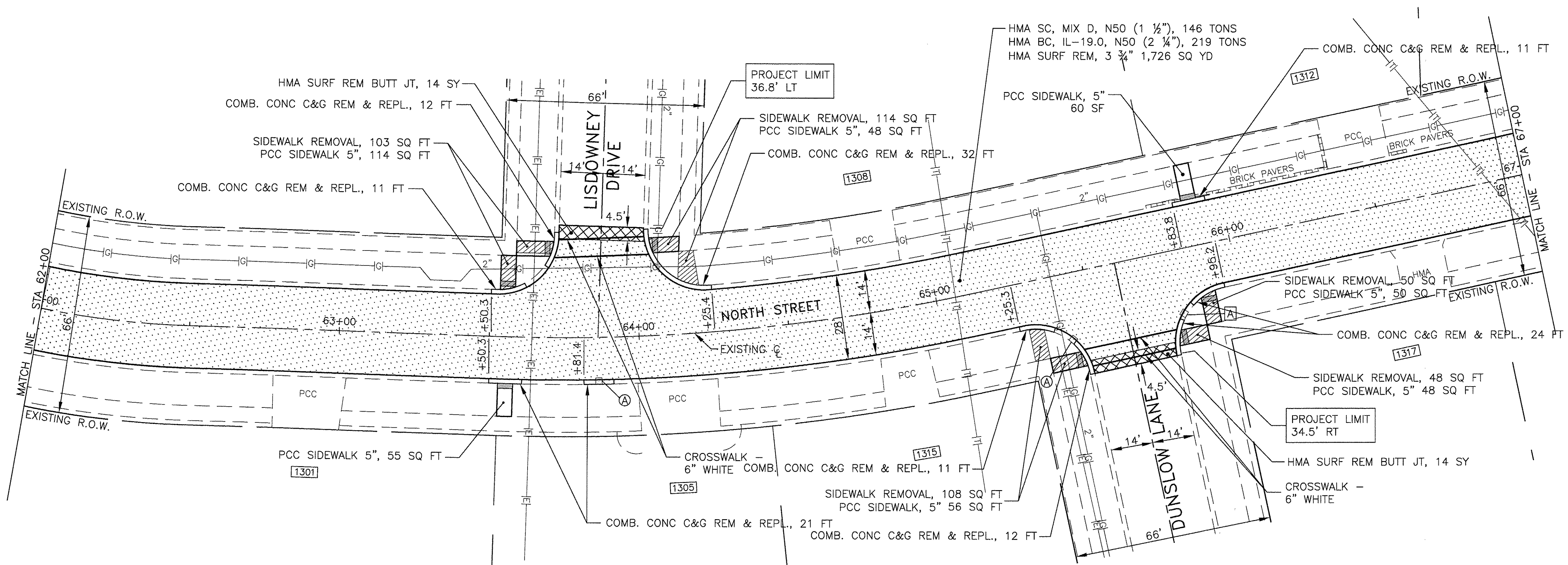
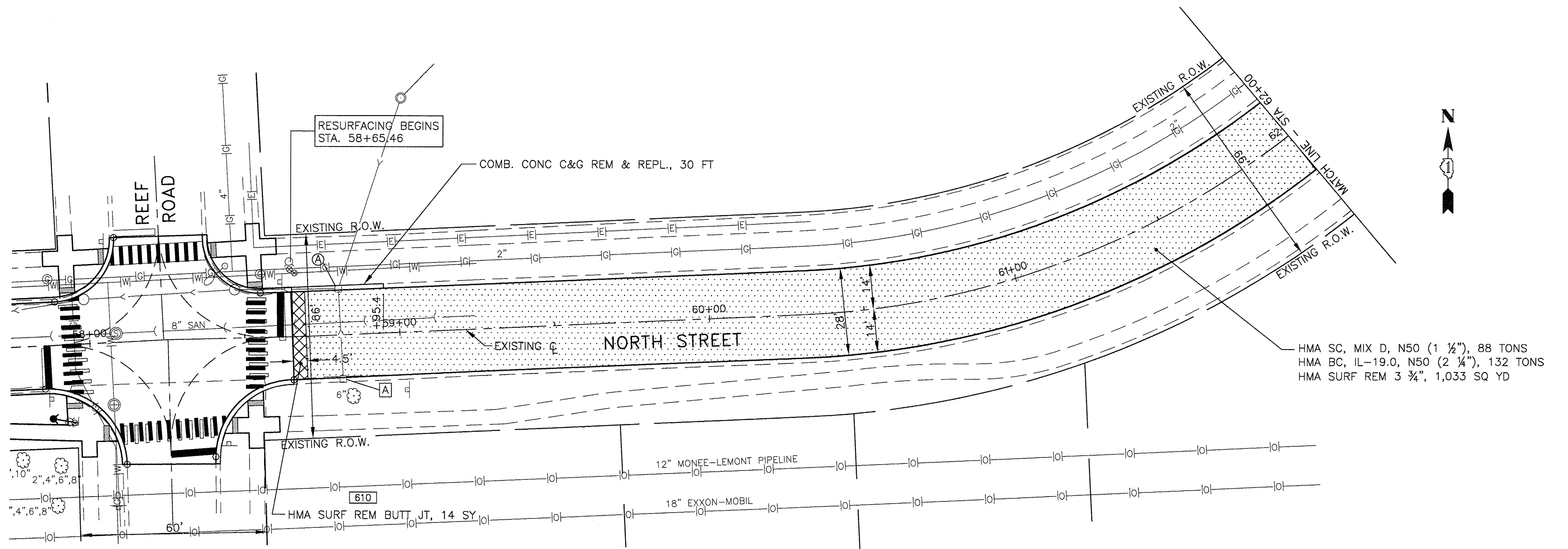
**GEOTECHNICAL PLAN AND PROFILES**  
**MacGREGOR ROAD/NORTH STREET**

SCALE: NTS SHEET NO. \_\_\_ OF \_\_\_ SHEETS STA. \_\_\_\_\_ TO STA. \_\_\_\_\_

F.A.U. RTE. 0287 & 0364	SECTION 15-00082-00-PV	COUNTY WILL	TOTAL SHEETS 74	SHEET NO. 25
CONTRACT NO. 61D33				ILLINOIS FED. AID PROJECT



LEGEND	
(A)	STRUCTURE TO BE ADJUSTED
(A)	STRUCTURE TO BE ADJUSTED WITH NEW FRAME & LID
(R)	STRUCTURE TO BE RECONSTRUCTED WITH NEW FRAME & LID
(REM)	STRUCTURE TO BE REMOVED
[Pattern]	DETECTABLE WARNINGS ON SIDEWALK RAMPS
[Pattern]	SIDEWALK REMOVAL
[Pattern]	SURFACE REMOVAL
[Pattern]	COMB CURB & GUTTER REMOVAL



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DESIGNED	BDH	REVISED	---
DRAWN	SMP	REVISED	---
CHECKED	BDH	REVISED	---
DATE	10/07/16	REVISED	---

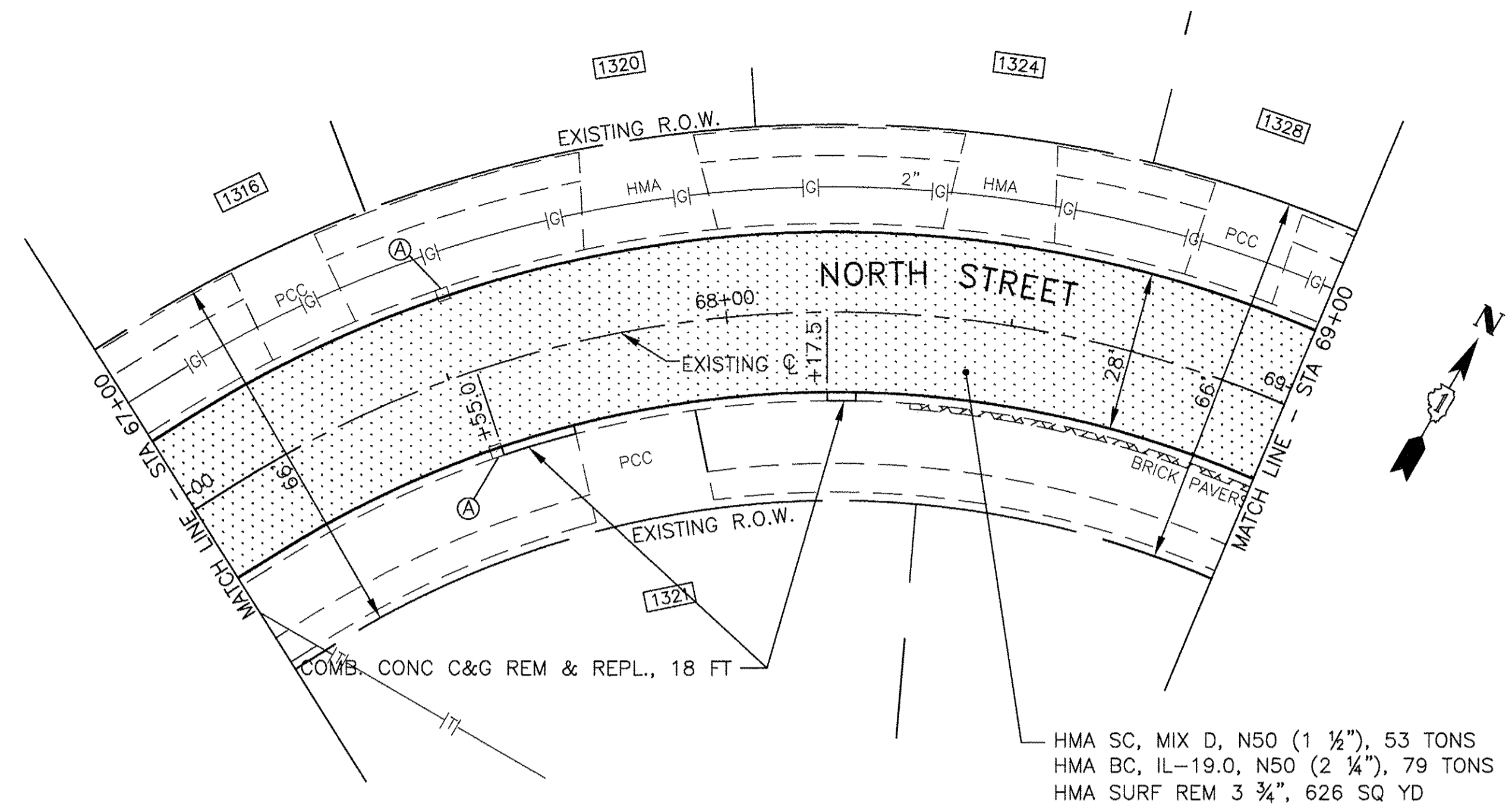
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**NORTH STREET  
 RESURFACING PLAN**

SCALE: 1"=20'    SHEET NO. OF SHEETS    STA. 58+00 TO STA. 67+00

F.A.U. RTE. 0287 & 0364	SECTION 15-00082-00-PV	COUNTY WILL	TOTAL SHEETS 74	SHEET NO. 26
CONTRACT NO. 61D33				ILLINOIS FED. AID PROJECT

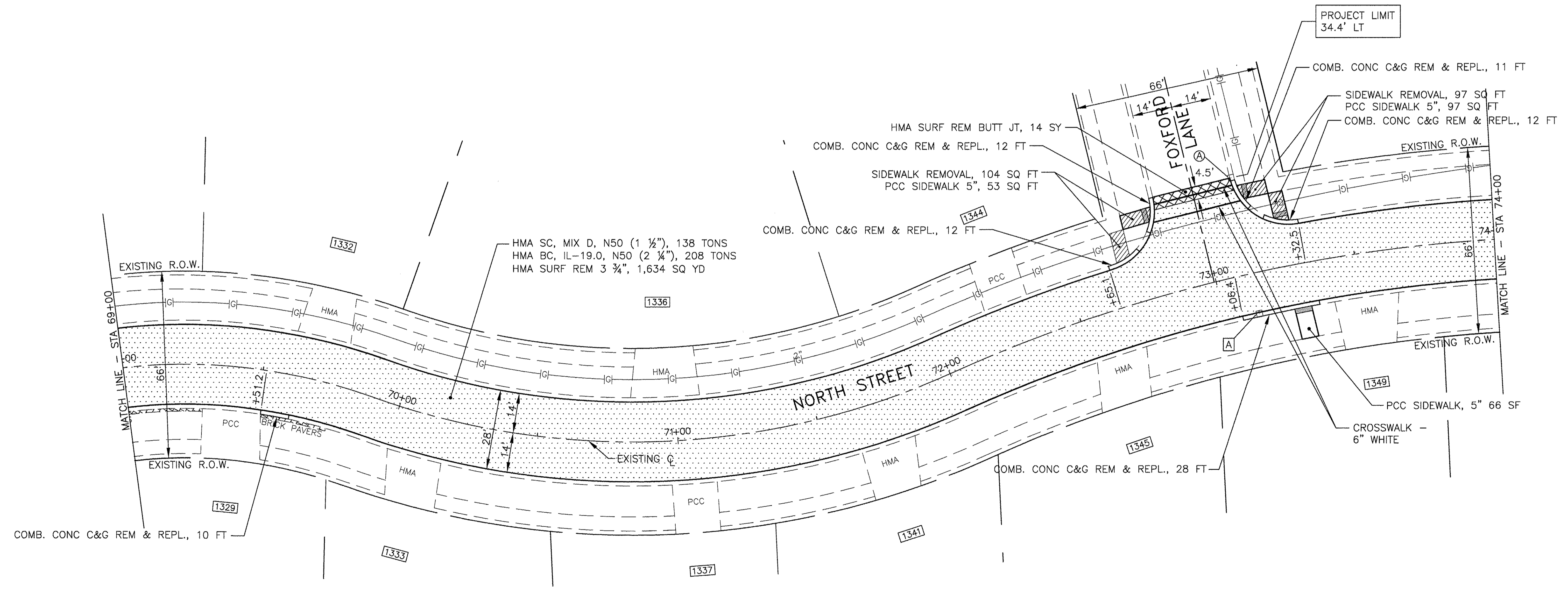




**LEGEND**

- (A) STRUCTURE TO BE ADJUSTED
- (A) STRUCTURE TO BE ADJUSTED WITH NEW FRAME & LID
- (R) STRUCTURE TO BE RECONSTRUCTED WITH NEW FRAME & LID
- REM STRUCTURE TO BE REMOVED
- [Pattern] DETECTABLE WARNINGS ON SIDEWALK RAMPS
- [Pattern] SIDEWALK REMOVAL
- [Pattern] SURFACE REMOVAL
- [Pattern] COMB CURB & GUTTER REMOVAL

HMA SC, MIX D, N50 (1 1/2"), 53 TONS  
 HMA BC, IL-19.0, N50 (2 1/4"), 79 TONS  
 HMA SURF REM 3 3/4", 626 SQ YD



HMA SC, MIX D, N50 (1 1/2"), 138 TONS  
 HMA BC, IL-19.0, N50 (2 1/4"), 208 TONS  
 HMA SURF REM 3 3/4", 1,634 SQ YD

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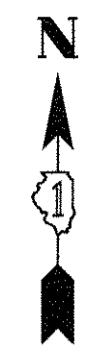
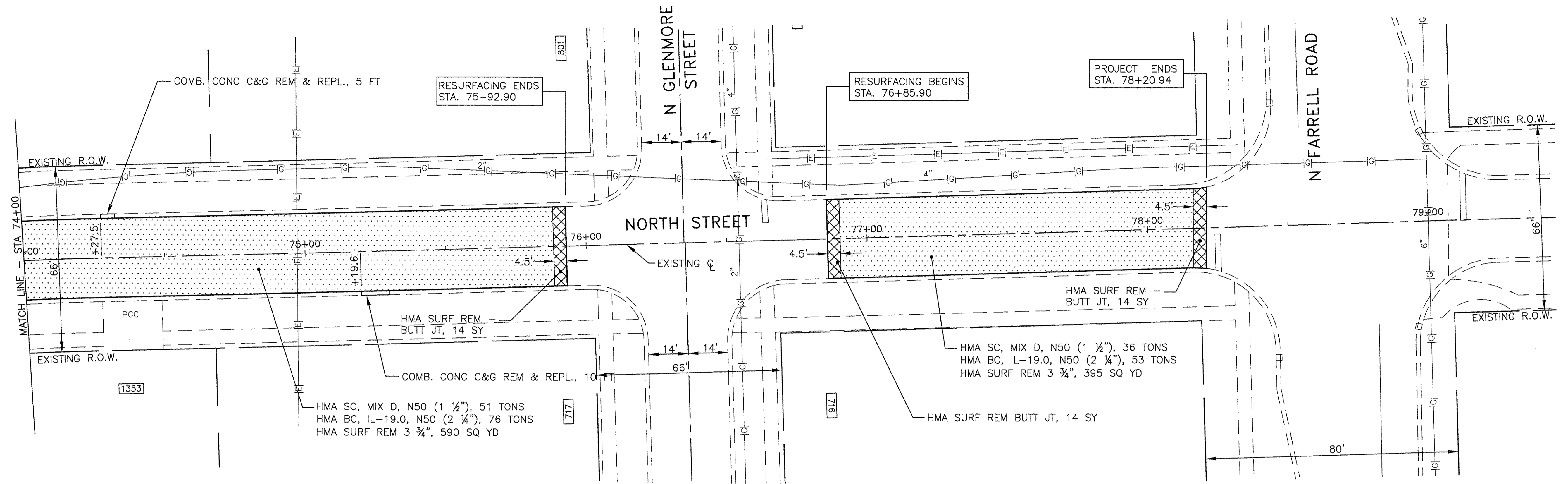
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**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

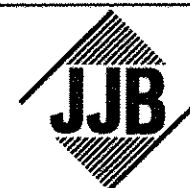
**NORTH STREET**  
**RESURFACING PLAN**

SCALE: 1"=20'    SHEET NO. OF SHEETS    STA. 67+00 TO STA. 74+00

F.A.U. RTE. 0287 & 0364	SECTION 15-00082-00-PV	COUNTY WILL	TOTAL SHEETS 74	SHEET NO. 27
CONTRACT NO. 61D33				
ILLINOIS FED. AID PROJECT				



LEGEND	
(A)	STRUCTURE TO BE ADJUSTED
[A]	STRUCTURE TO BE ADJUSTED WITH NEW FRAME & LID
(R)	STRUCTURE TO BE RECONSTRUCTED WITH NEW FRAME & LID
[REM]	STRUCTURE TO BE REMOVED
[Pattern]	DETECTABLE WARNINGS ON SIDEWALK RAMPS
[Pattern]	SIDEWALK REMOVAL
[Pattern]	SURFACE REMOVAL
[Pattern]	COMB CURB & GUTTER REMOVAL



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CHECKED	— BDH	REVISED	—
DATE	— 10/07/16	REVISED	—

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**NORTH STREET  
 RESURFACING PLAN**

SCALE: 1"=20'      SHEET NO. OF SHEETS      STA. 74+00 TO STA. 79+00

F.A.U. RTE. 0287 & 0364	SECTION 15-00082-00-PV	COUNTY WILL	TOTAL SHEETS 74	SHEET NO. 28
CONTRACT NO. 61D33			ILLINOIS FED. AID PROJECT	



**TRAFFIC CONTROL GENERAL NOTES**

- ALL ROADS SHALL REMAIN OPEN TO EMERGENCY VEHICLES AT ALL TIMES.
- ACCESS TO DRIVEWAYS SHALL BE MAINTAINED AS MUCH AS POSSIBLE. TEMPORARY CLOSURE OF A DRIVEWAY WILL BE ALLOWED ONLY WITH THE APPROVAL OF THE ENGINEER.
- ALL ADVANCE WARNING SIGNS SHALL BE INSTALLED TWO DAYS PRIOR TO THE START OF CONSTRUCTION. ALL TRAFFIC CONTROL ITEMS SHALL CONFORM TO THE REQUIREMENTS OF THE IDOT STANDARD SPECIFICATIONS AND IDOT STANDARD 701501 AS WELL AS THE SPECIAL PROVISIONS FOR TRAFFIC CONTROL AND PROTECTION.
- ALL WARNING SIGNS SHALL HAVE BLACK LEGEND AND BORDER ON REFLECTORIZED ORANGE BACKGROUND UNLESS OTHERWISE SPECIFIED. WARNING SIGNS SHALL BE 48" x 48" IN SIZE AND SHALL BE IN LIKE NEW CONDITION. DAMAGED AND/OR DIRTY WARNING SIGNS WILL NOT BE ALLOWED.
- WORK WHICH MAY INTERFERE WITH TRAFFIC FLOW AT INTERSECTIONS SHALL BE PERFORMED BETWEEN 9:00 A.M. AND 3:00 P.M. ONLY. FLAGGERS SHALL BE USED FOR ALL SUCH OPERATIONS.
- EXCAVATION FOR UNDERCUTS SHALL BE BACKFILLED WITH "AGGREGATE SUBGRADE IMPROVEMENT" THE SAME DAY AS EXCAVATED. "SUB-BASE GRANULAR MATERIAL" SHALL BE INSTALLED THE SAME DAY AS SUB-BASE EXCAVATION.
- CONSTRUCTION WILL NOT COMMENCE UNTIL THE WALSH ELEMENTARY SCHOOL'S 2016 SCHOOL SESSION HAS COMPLETED, JUNE 12, 2017.
- WORK WITHIN THE RECONSTRUCTION SECTION, EXCLUDING PARKWAY RESTORATION, STRIPING AND SURFACE COURSE, SHALL BE COMPLETED PRIOR TO THE START OF THE WALSH ELEMENTARY SCHOOL 2017 SCHOOL SESSION, AUGUST 21, 2017.

**SUGGESTED MAINTENANCE OF TRAFFIC STAGING:**

**STAGE I: (MacGREGOR ROAD - UTILITIES)**

**TRAFFIC:**

- TWO-WAY TRAFFIC WILL BE MAINTAINED WITH TEMPORARY LANE CLOSURES TO CONSTRUCT THE DRAINAGE IMPROVEMENTS USING IDOT TRAFFIC CONTROL AND PROTECTION STANDARDS.

**CONSTRUCTION:**

- CONSTRUCT THE PROPOSED DRAINAGE IMPROVEMENTS.

**STAGE II: (NORTH STREET - UTILITIES)**

**TRAFFIC:**

- TWO-WAY TRAFFIC WILL BE MAINTAINED WITH TEMPORARY LANE CLOSURES TO CONSTRUCT THE DRAINAGE IMPROVEMENTS USING IDOT TRAFFIC CONTROL AND PROTECTION STANDARDS.

**CONSTRUCTION:**

- CONSTRUCT THE PROPOSED DRAINAGE IMPROVEMENTS.

**STAGE III: (MacGREGOR ROAD - RECONSTRUCTION)**

**TRAFFIC:**

- TWO-WAY TRAFFIC WILL BE MAINTAINED WITH TEMPORARY LANE CLOSURES TO CONSTRUCT THE ROADWAY IMPROVEMENTS USING IDOT TRAFFIC CONTROL AND PROTECTION STANDARDS.

**CONSTRUCTION:**

- REMOVE THE EXISTING PAVEMENT, CURB & GUTTER, DRIVEWAYS, AND SIDEWALK ON MacGREGOR ROAD.
- CONSTRUCT THE PROPOSED CURB & GUTTER, SIDEWALK, DRIVEWAYS, AND HMA BASE COURSE ON MacGREGOR ROAD.

**STAGE IV: (NORTH STREET - RECONSTRUCTION)**

**TRAFFIC:**

- TWO-WAY TRAFFIC WILL BE MAINTAINED WITH TEMPORARY LANE CLOSURES TO CONSTRUCT THE ROADWAY IMPROVEMENTS USING IDOT TRAFFIC CONTROL AND PROTECTION STANDARDS.

**CONSTRUCTION:**

- REMOVE THE EXISTING PAVEMENT, CURB & GUTTER, DRIVEWAYS AND SIDEWALK ON NORTH STREET FROM MacGREGOR ROAD TO REEF ROAD.
- CONSTRUCT THE PROPOSED CURB & GUTTER, SIDEWALK, DRIVEWAYS AND HMA BASE COURSE ON NORTH STREET FROM MacGREGOR ROAD TO REEF ROAD.

**STAGE V: (NORTH STREET - RESURFACING)**

**TRAFFIC:**

- TWO-WAY TRAFFIC WILL BE MAINTAINED WITH TEMPORARY LANE CLOSURES TO ACCOMPLISH THE RESURFACING OPERATION USING IDOT TRAFFIC CONTROL AND PROTECTION STANDARDS.

**CONSTRUCTION:**

- REMOVE EXISTING HMA SURFACE COURSE ON NORTH STREET FROM REEF ROAD TO FARRELL ROAD.
- CONSTRUCT THE PROPOSED HMA BINDER COURSE ON NORTH STREET FROM REEF ROAD TO FARRELL ROAD.

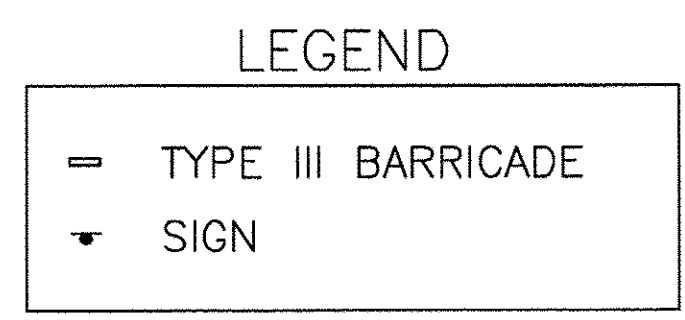
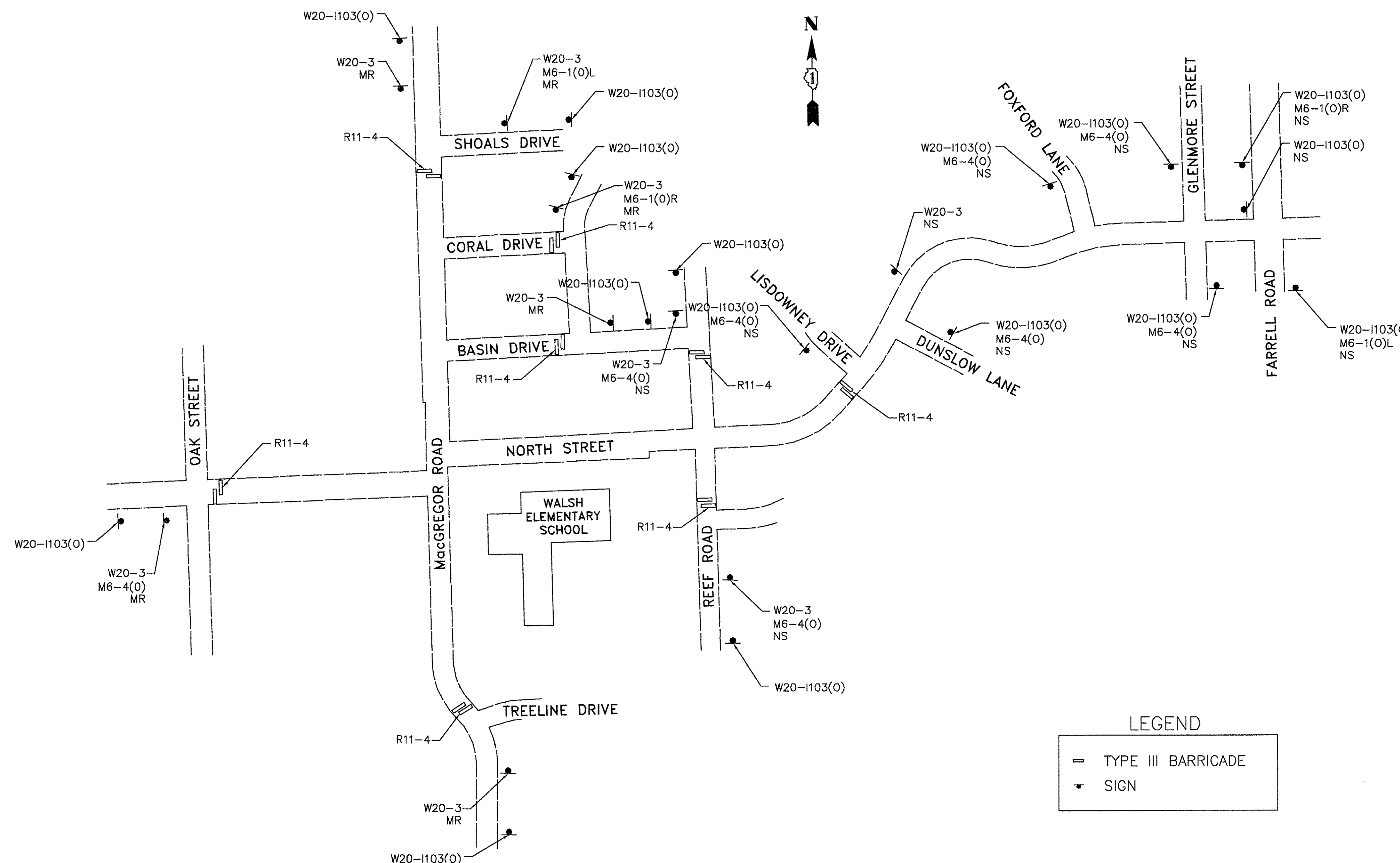
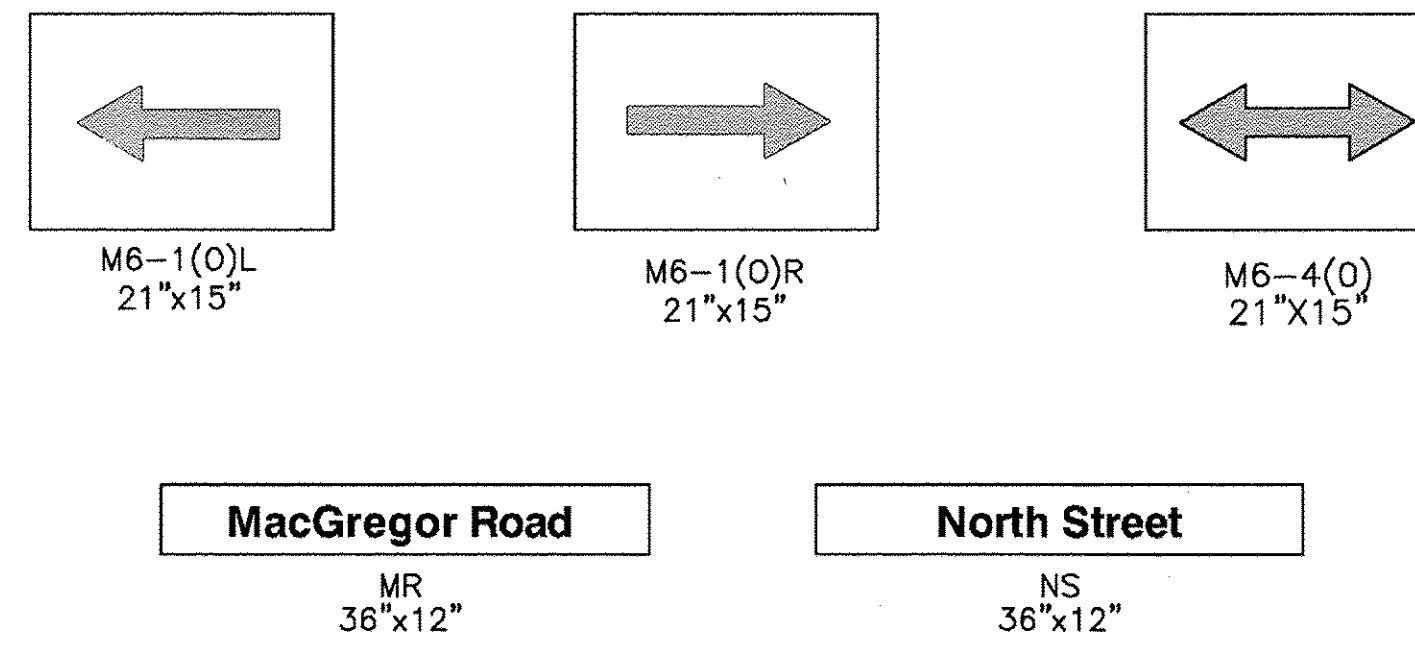
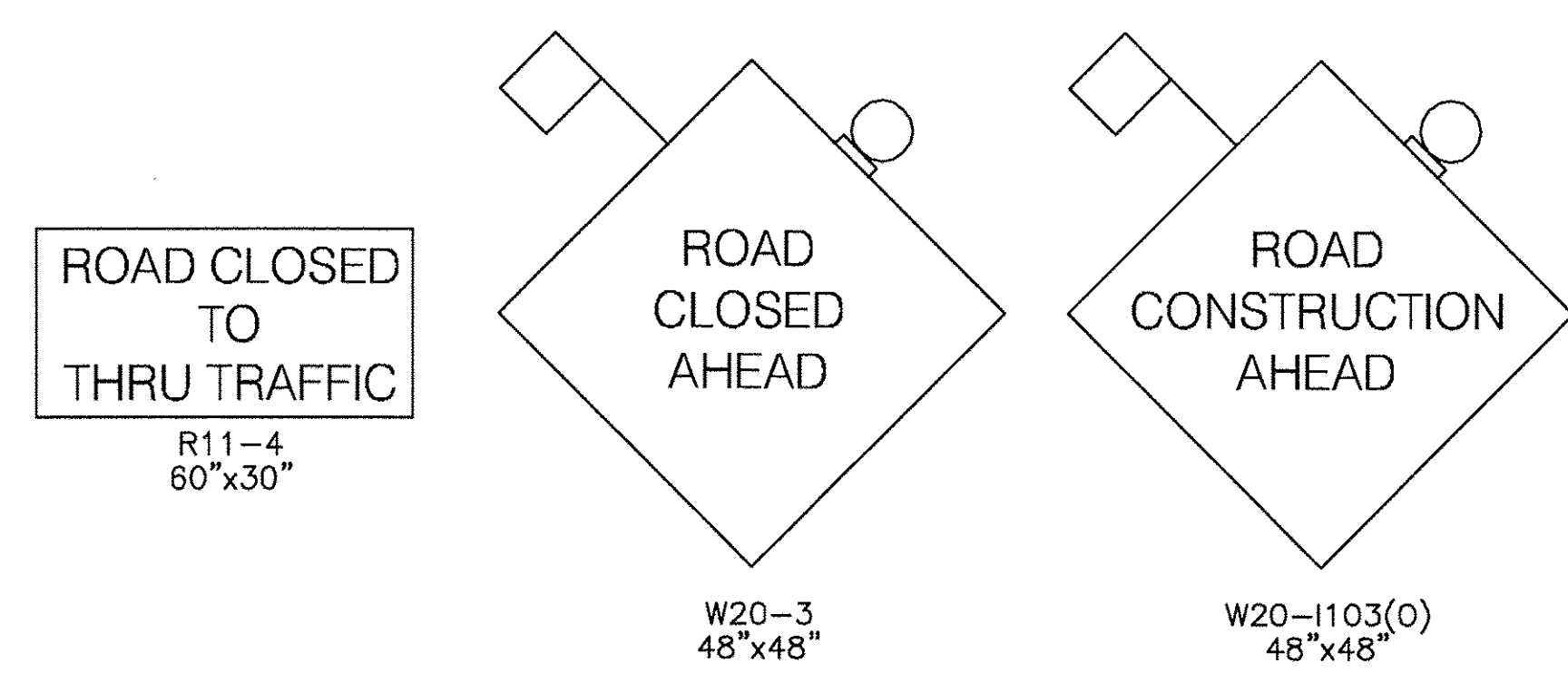
**STAGE VI: (NORTH STREET - RESURFACING)**

**TRAFFIC:**

- TWO-WAY TRAFFIC WILL BE MAINTAINED WITH TEMPORARY LANE CLOSURES NECESSARY TO ACCOMPLISH THE FINAL WORK USING IDOT TRAFFIC CONTROL AND PROTECTION STANDARDS.

**CONSTRUCTION:**

- COMPLETE FINAL LANDSCAPE RESTORATION.
- PLACE THE PROPOSED HMA SURFACE COURSE ON ENTIRE PROJECT LIMITS OF MacGREGOR ROAD AND NORTH STREET.
- PLACE FINAL PAVEMENT MARKINGS.



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DATE	—	10/07/16	REVISED	—	_____

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**DEPARTMENT OF TRANSPORTATION**

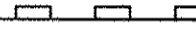



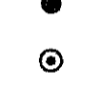
**TRAFFIC CONTROL**  
**MacGREGOR ROAD/NORTH STREET**  
 SCALE: NTS SHEET NO. \_\_\_ OF \_\_\_ SHEETS STA. \_\_\_\_\_ TO STA. \_\_\_\_\_

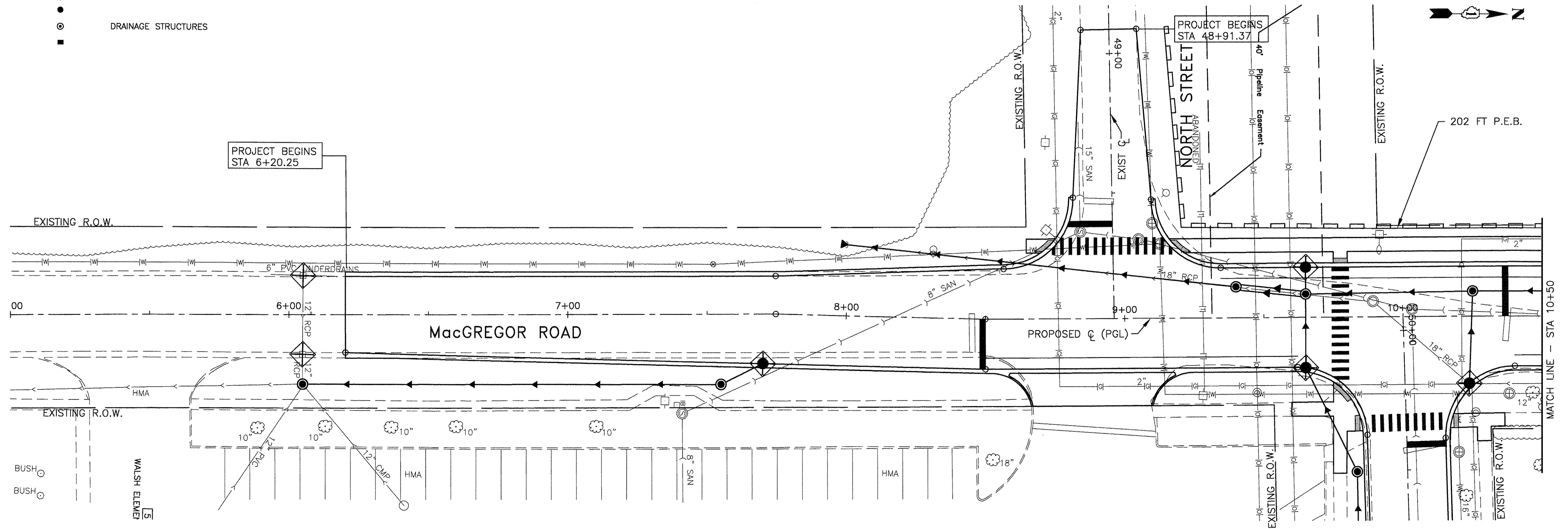
F.A.U. R.T.E. 0287 & 0384	SECTION 15-00082-00-PV	COUNTY WILL	TOTAL SHEETS 74	SHEET NO. 29
CONTRACT NO. 61D33			ILLINOIS FED. AID PROJECT	

TEMPORARY EROSION CONTROL NOTES

1. SEDIMENT AND EROSION CONTROL DEVICES SHALL BE FUNCTIONAL BEFORE LAND IS OTHERWISE DISTURBED ON THE SITE.
2. THE SURFACE OF STRIPPED AREAS SHALL BE PERMANENTLY OR TEMPORARILY PROTECTED FROM SOIL EROSION WITHIN 15 DAYS AFTER FINAL GRADE IS REACHED. STRIPPED AREAS NOT AT FINAL GRADE THAT WILL REMAIN UNDISTURBED FOR MORE THAN 15 DAYS AFTER INITIAL DISTURBANCE SHALL BE PROTECTED FROM EROSION.
3. IF A STOCKPILE IS TO REMAIN IN PLACE FOR MORE THAN 3 DAYS, THEN SEDIMENT AND EROSION CONTROL DEVICES SHALL BE INSTALLED DURING CONSTRUCTION.
4. STORM SEWER INLETS SHALL BE PROTECTED WITH SEDIMENT TRAPPING OR FILTER CONTROL DEVICES DURING CONSTRUCTION.
5. THE QUANTITIES SHOWN FOR ALL EROSION CONTROL MEASURES INCLUDE THE INSTALLATION, MAINTENANCE, AND REMOVAL OF THE MEASURE.
6. THE CONTRACTOR SHALL MAINTAIN ALL EROSION CONTROL MEASURES IN SERVICEABLE CONDITION AT ALL TIMES. EROSION CONTROL MEASURES WILL BE INSPECTED ON A WEEKLY BASIS AND WITHIN 24 HOURS OF ANY STORM EXCEEDING 0.5 INCHES OF PRECIPITATION, OR EQUIVALENT SNOWFALL.
7. ALL CONSTRUCTION ACTIVITIES SHALL BE IN ACCORDANCE WITH THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM STORM WATER PERMIT FOR THIS PROJECT.
8. AS WORK PROGRESSES, ALL SLOPES 3:1 OR GREATER SHALL RECEIVE TEMPORARY EROSION CONTROL SEEDING AND EROSION CONTROL BLANKET IMMEDIATELY. ALL FLATTER AREAS THAT DO NOT HAVE A COVER OF VEGETATION, AND WHERE NO FURTHER WORK IS TO OCCUR FOR 14 DAYS OR MORE, SHALL BE TEMPORARILY SEEDED WITHIN SEVEN (7) CALENDAR DAYS UNLESS OTHERWISE DIRECTED BY THE ENGINEER. A SUFFICIENT QUANTITY OF TEMPORARY EROSION CONTROL SEEDING IS INCLUDED TO COVER THE LIMITS OF PERMANENT LANDSCAPING.
9. TEMPORARY DITCH CHECKS SHALL BE PLACED IMMEDIATELY AFTER DITCH GRADING (OR CLEANING AND REGRADING) IS COMPLETED.
10. ALL PROPOSED OPEN LID DRAINAGE STRUCTURES SHALL BE PROTECTED AS DIRECTED BY THE ENGINEER WITH INLET FILTERS, AND THIS WORK SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER EACH FOR "INLET FILTERS". ALL OPEN END CULVERTS SHALL BE PROTECTED AS DIRECTED BY THE ENGINEER, WHICH WORK SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR "INLET AND PIPE PROTECTION". "INLET AND PIPE PROTECTION" SHALL BE COMPRISED OF DITCH CHECKS, TEMPORARY SEEDING AND TEMPORARY EROSION CONTROL BLANKET. STRAW BALES AND SILT FENCE SHALL NOT BE USED AS NLET AND PIPE PROTECTION.
11. WATER PUMPED OR OTHERWISE DISCHARGED FROM THE SITE DURING CONSTRUCTION DEWATERING SHALL BE FILTERED.
12. ANY SOIL, MUD OR DEBRIS WASHED, TRACKED, OR DEPOSITED ONTO THE STREET SHALL BE REMOVED PRIOR TO THE END OF THE WORK DAY.
13. SILT FENCE IS NOT REQUIRED WHERE THE PERIMETER IS HIGHER THAN THE WORK ZONE, AND SILT FENCE SHALL NOT BE INSTALLED ACROSS CONCENTRATED FLOW, OR ACROSS CONTOURS WITHOUT J-HOOKS (HIGHWAY STANDARD 280001). IN AREAS OF CONCENTRATED FLOW, TEMPORARY DITCH CHECKS AREA A SUITABLE ALTERNATIVE PERIMETER EROSION BARRIER IN PLACE OF THE SILT FENCE.
14. PORTABLE TOILETS SHALL BE PLACED AWAY FROM INLETS AND WATER COURSES.
15. ALL TEMPORARY EROSION CONTROL MEASURES SHALL BE REMOVED WITHIN 30 DAYS AFTER FINAL SITE STABILIZATION IS ACHIEVED OR AFTER THE TEMPORARY MEASURES AREA NO LONGER NEEDED AS DIRECTED BY THE ENGINEER.
16. THE EROSION CONTROL MEASURES INDICATED IN THE PLANS ARE THE MINIMUM REQUIREMENTS. ADDITIONAL MEASURES MAY BE REQUIRED, AS DIRECTED BY THE ENGINEER OR GOVERNING AGENCY.
17. TEMPORARY CONCRETE WASHOUT AREA FACILITY SHALL BE AT LOCATIONS DESIGNATED BY THE ENGINEER AND WILL NOT BE PAID FOR SEPARATELY BUT INCLUDED IN THE COST OF THE ITEMS BEING POURED.
18. MAINTENANCE OF TEMPORARY EROSION CONTROL SYSTEMS WILL NOT BE PAID FOR SEPARATELY, BUT INCLUDED IN THE COST OF TEMPORARY EROSION CONTROL ITEM.
19. THE CONTRACTOR IS RESPONSIBLE FOR THE CONTROL OF DUST AT ALL TIMES DURING THE DURATION OF THE PROJECT, 24 HOURS PER DAY, 7 DAYS PER WEEK, INCLUDING NON-WORKING HOURS, WEEKENDS AND HOLIDAYS. THIS WORK SHALL BE CONSIDERED COMPLETE AFTER THE COMPLETION OF ALL PERMANENT EROSION CONTROL MEASURES REQUIRED FOR THE PROJECT, AND AFTER ALL TEMPORARY AND PERMANENT SEEDING HAS TAKEN PLACE. WORK ON THIS PROJECT SHALL BE CONDUCTED IN A MANNER THAT WILL NOT RESULT IN GENERATING EXCESSIVE AIRBORNE PARTICULATE MATTER OR NUISANCE DUST CONDITIONS.

LEGEND

-  PERIMETER EROSION BARRIER (P.E.B.)
-  INLET AND PIPE PROTECTION
-  INLET FILTERS (EXISTING DRAINAGE STRUCTURES)
-  INLET FILTERS (PROPOSED DRAINAGE STRUCTURES)
-  DRAINAGE STRUCTURES



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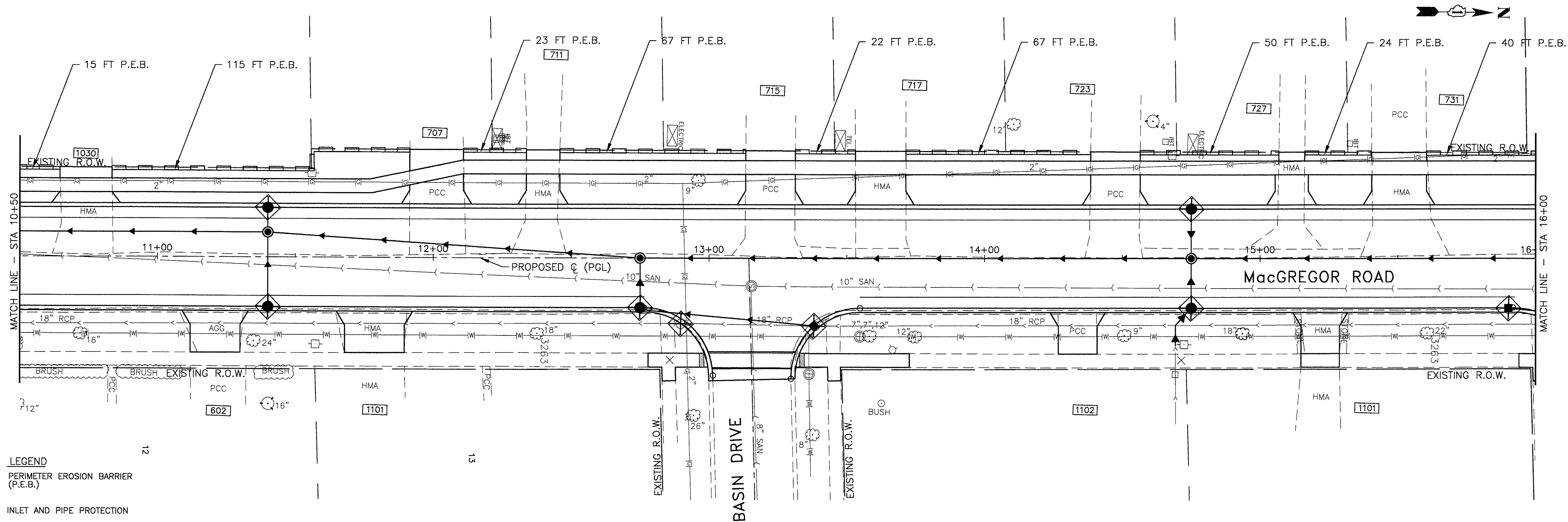
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**EROSION AND SEDIMENT CONTROL PLAN**  
**MacGREGOR ROAD - NORTH STREET TO SHOALS DRIVE**

SCALE: 1"=20' SHEET NO. \_\_\_ OF \_\_\_ SHEETS STA. 6+20.25 TO STA. 10+50

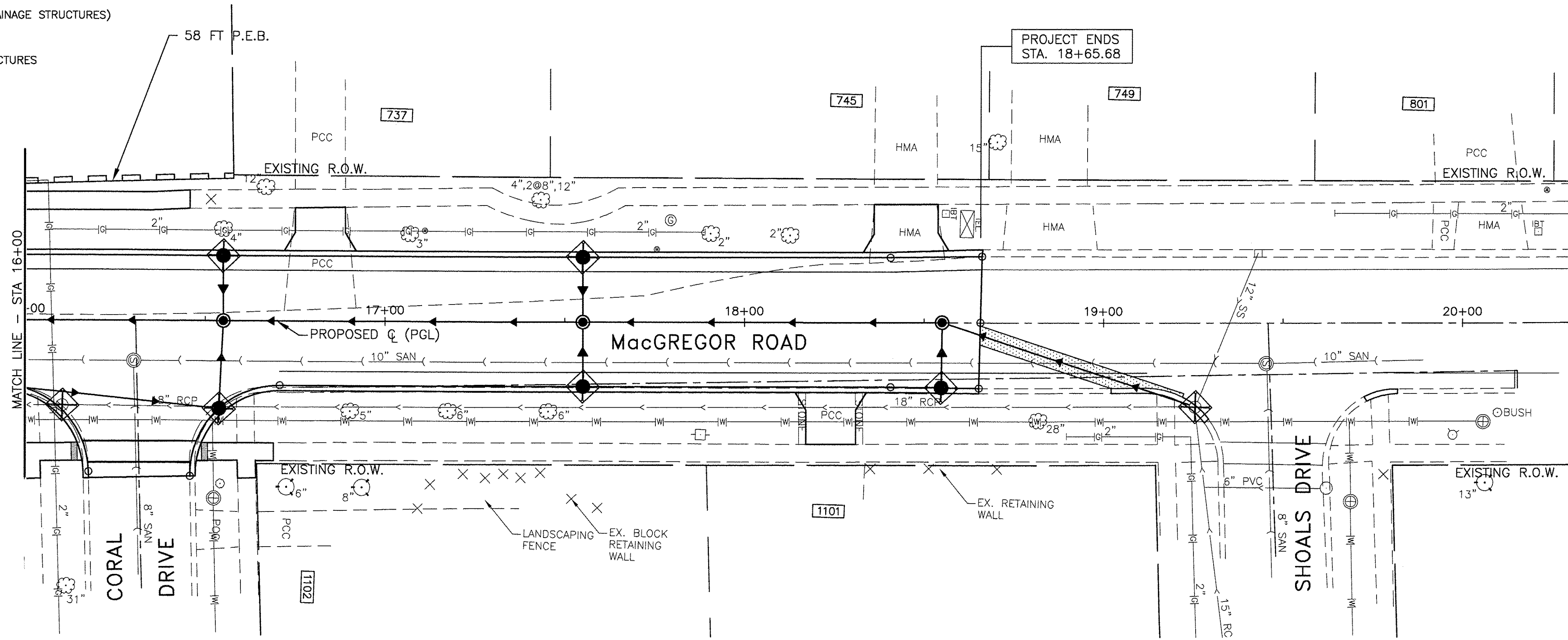
F.A.U. RTE. 0987 & 0364	SECTION 15-00082-00-PV	COUNTY WILL	TOTAL SHEETS 74	SHEET NO. 30
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61D33	





**LEGEND**  
 PERIMETER EROSION BARRIER (P.E.B.)

- INLET AND PIPE PROTECTION
- INLET FILTERS (EXISTING DRAINAGE STRUCTURES)
- INLET FILTERS (PROPOSED DRAINAGE STRUCTURES)
- DRAINAGE STRUCTURES



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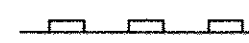




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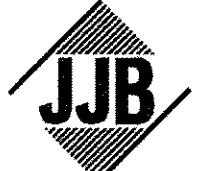
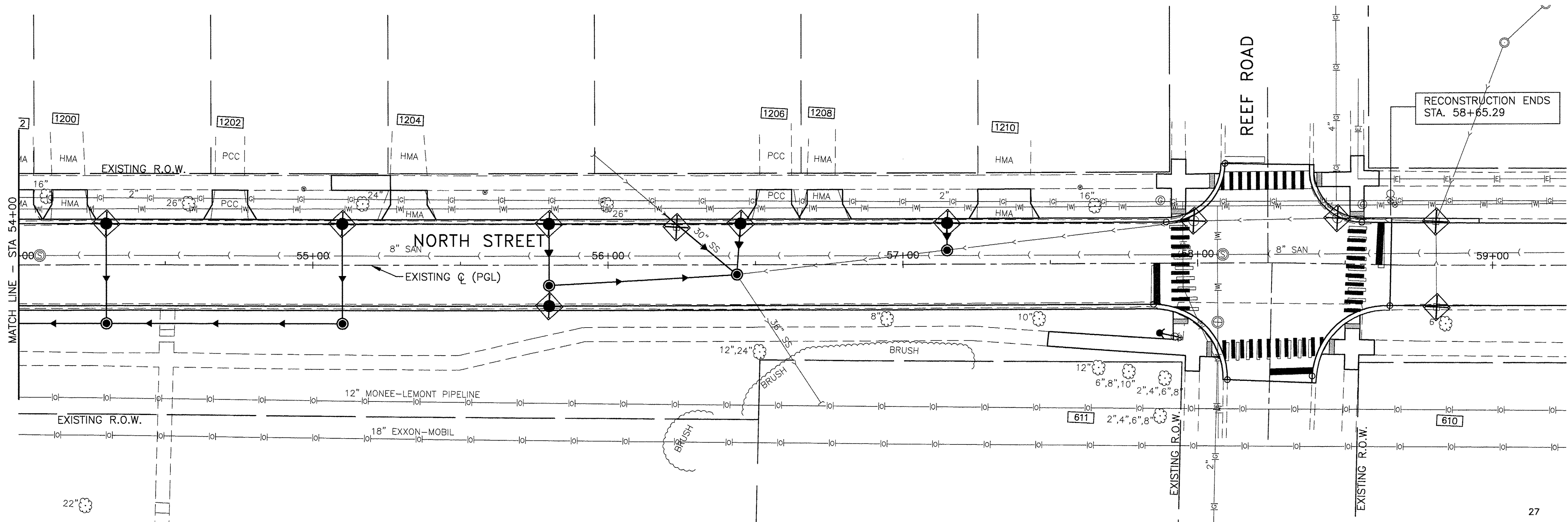
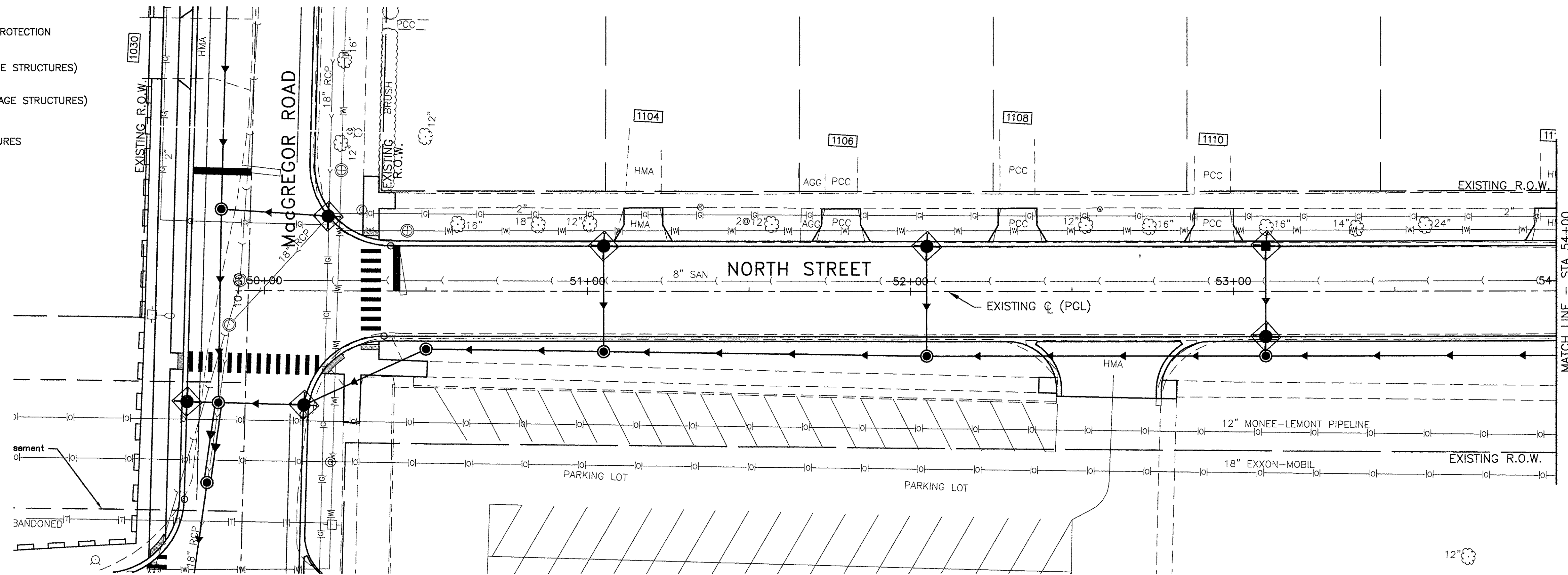
**EROSION AND SEDIMENT CONTROL PLAN**  
**MacGREGOR ROAD - NORTH STREET TO SHOALS DRIVE**

SCALE: 1"=20' SHEET NO. \_\_\_ OF \_\_\_ SHEETS STA. 10+50 TO STA. 18+65.68

F.A.U. RTE. 0367 & 0364	SECTION 15-00082-00-PV	COUNTY WILL	TOTAL SHEETS 74	SHEET NO. 31
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61D33	

**LEGEND**

-  PERIMETER EROSION BARRIER (P.E.B.)
-  INLET AND PIPE PROTECTION
-  INLET FILTERS (EXISTING DRAINAGE STRUCTURES)
-  INLET FILTERS (PROPOSED DRAINAGE STRUCTURES)
-  DRAINAGE STRUCTURES



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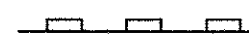




**EROSION AND SEDIMENT CONTROL PLAN  
 MacGREGOR ROAD - NORTH STREET TO SHOALS DRIVE**

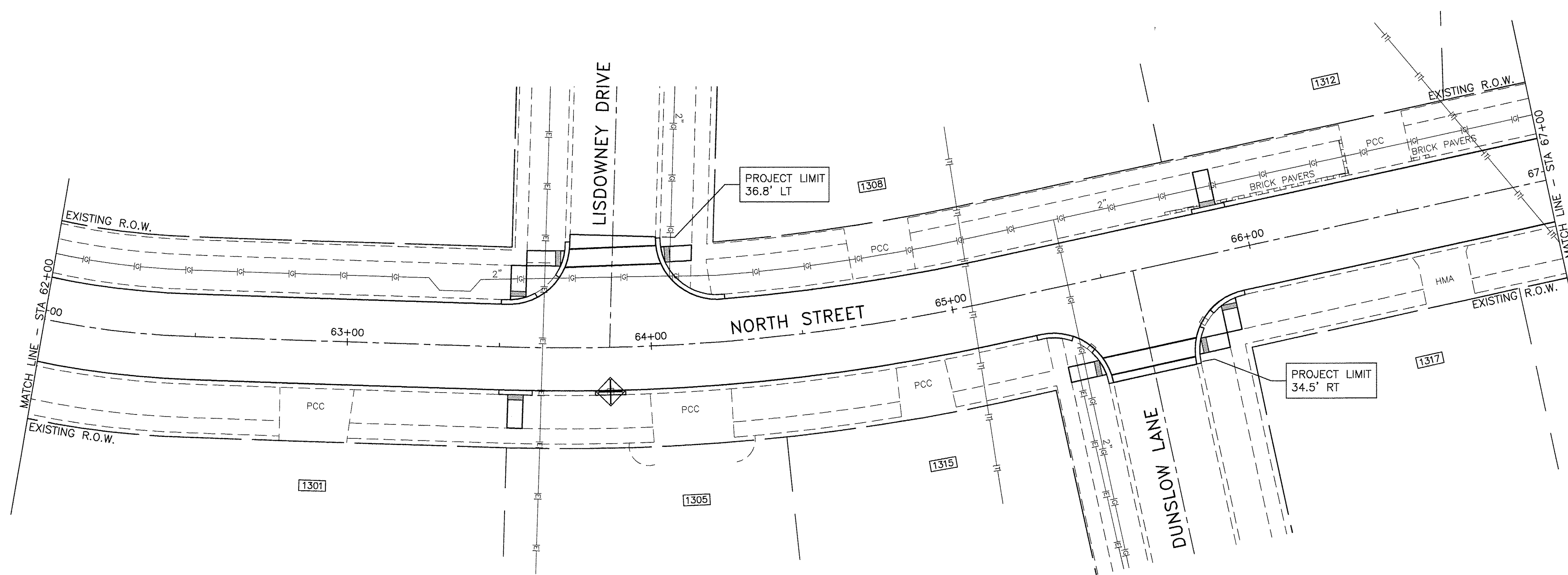
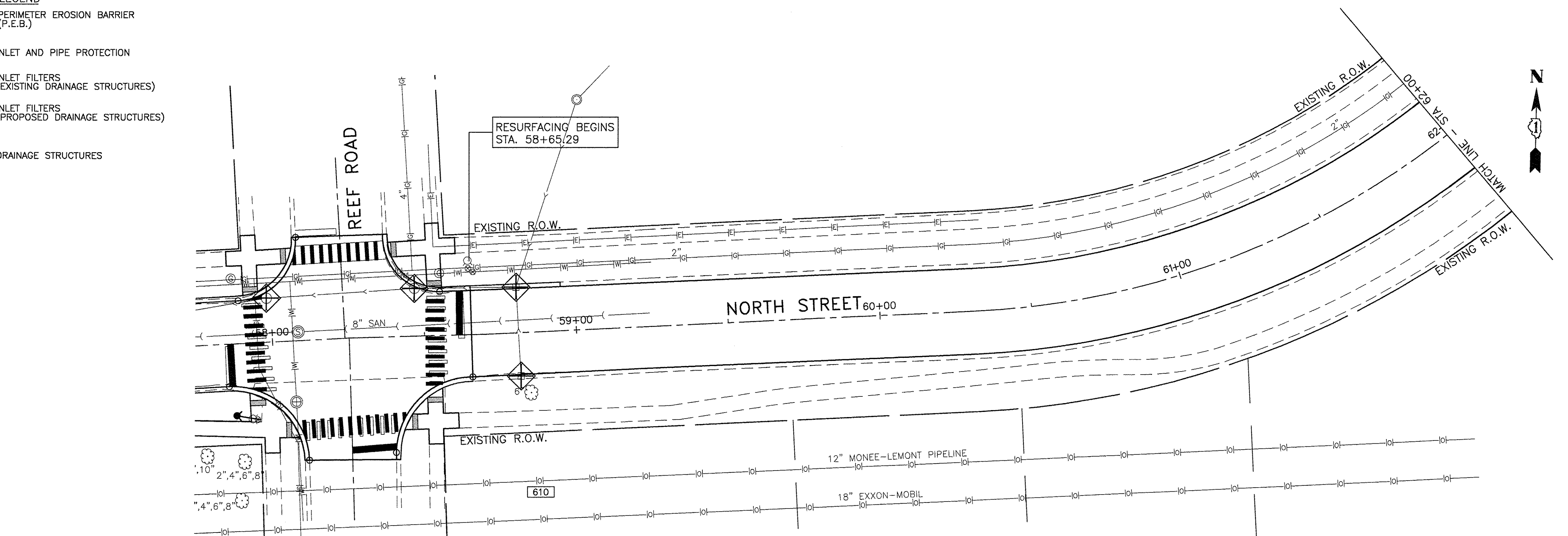
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F.A.U. RTE. 0287 & 0364	SECTION 15-00082-00-PV	COUNTY WILL	TOTAL SHEETS 74	SHEET NO. 32
CONTRACT NO. 61D33			ILLINOIS FED. AID PROJECT	



**LEGEND**

-  PERIMETER EROSION BARRIER (P.E.B.)
-  INLET AND PIPE PROTECTION
-  INLET FILTERS (EXISTING DRAINAGE STRUCTURES)
-  INLET FILTERS (PROPOSED DRAINAGE STRUCTURES)
-  DRAINAGE STRUCTURES



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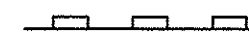




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DATE —	10/07/16	REVISED —	

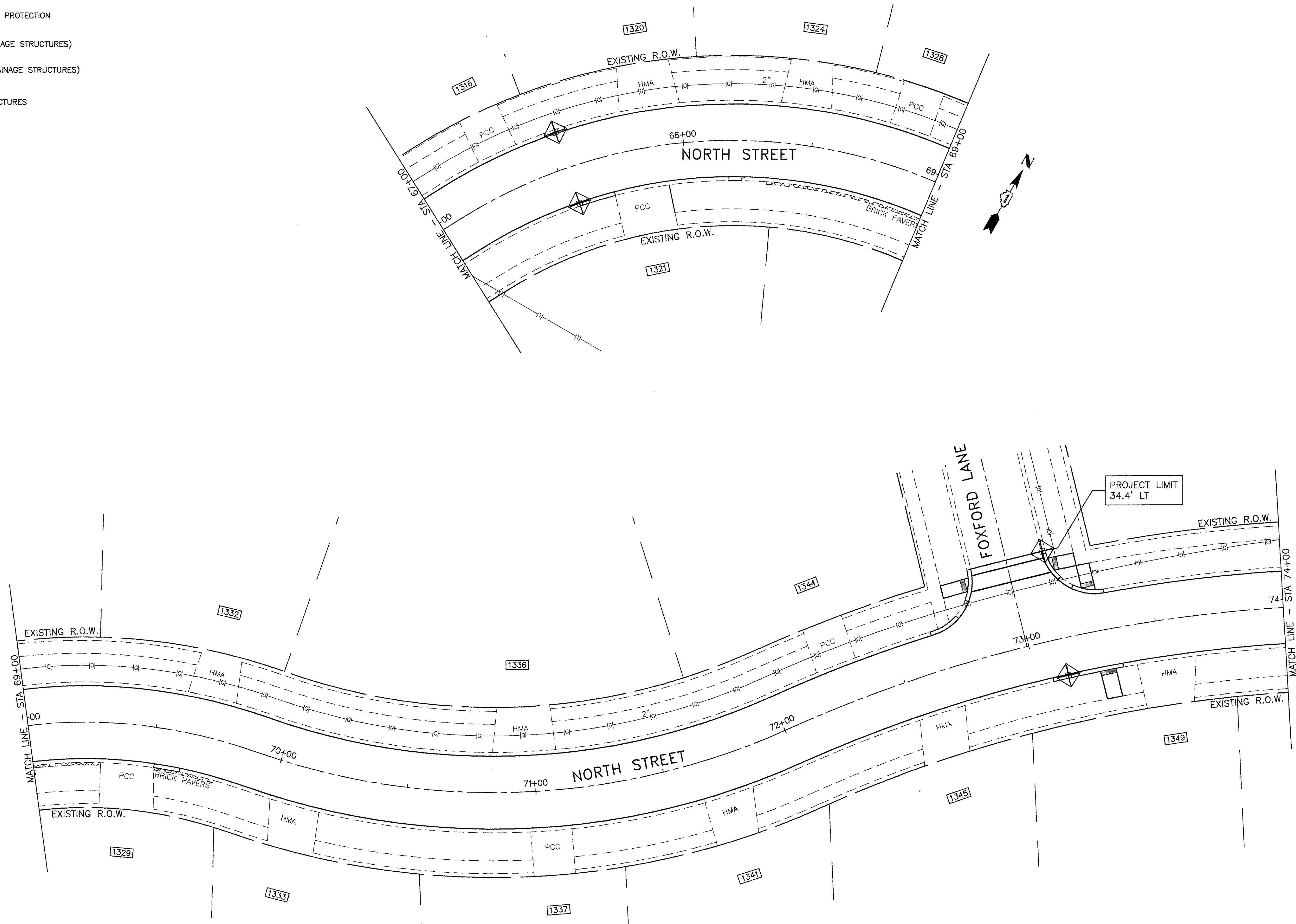
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**EROSION AND SEDIMENT CONTROL PLAN**  
**NORTH STREET - REEF ROAD TO N FARRELL ROAD**  
 SCALE: 1"=20' SHEET NO. \_\_\_ OF \_\_\_ SHEETS STA. 58+65.29 TO STA. 67+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0287 & 0364	15-00082-00-PV	WILL	74	33
CONTRACT NO. 61D33			ILLINOIS FED. AID PROJECT	

**LEGEND**

-  PERIMETER EROSION BARRIER (P.E.B.)
-  INLET AND PIPE PROTECTION
-  INLET FILTERS (EXISTING DRAINAGE STRUCTURES)
-  INLET FILTERS (PROPOSED DRAINAGE STRUCTURES)
-  DRAINAGE STRUCTURES



**JJB**  
 JAMES J. BENES & ASSOCIATES, INC.  
 950 Warrenville Road, Suite 101, Lisle, Illinois 60532  
 Tel. (630) 719-7570 • Fax (630) 719-7589

DESIGNED	— BLG	REVISED	—
DRAWN	— TLA	REVISED	—
CHECKED	— BDH	REVISED	—
DATE	— 10/07/16	REVISED	—

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

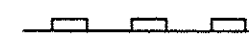




**EROSION AND SEDIMENT CONTROL PLAN  
 NORTH STREET - REEF ROAD TO N FARRELL ROAD**

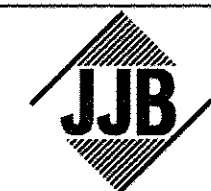
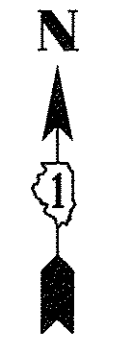
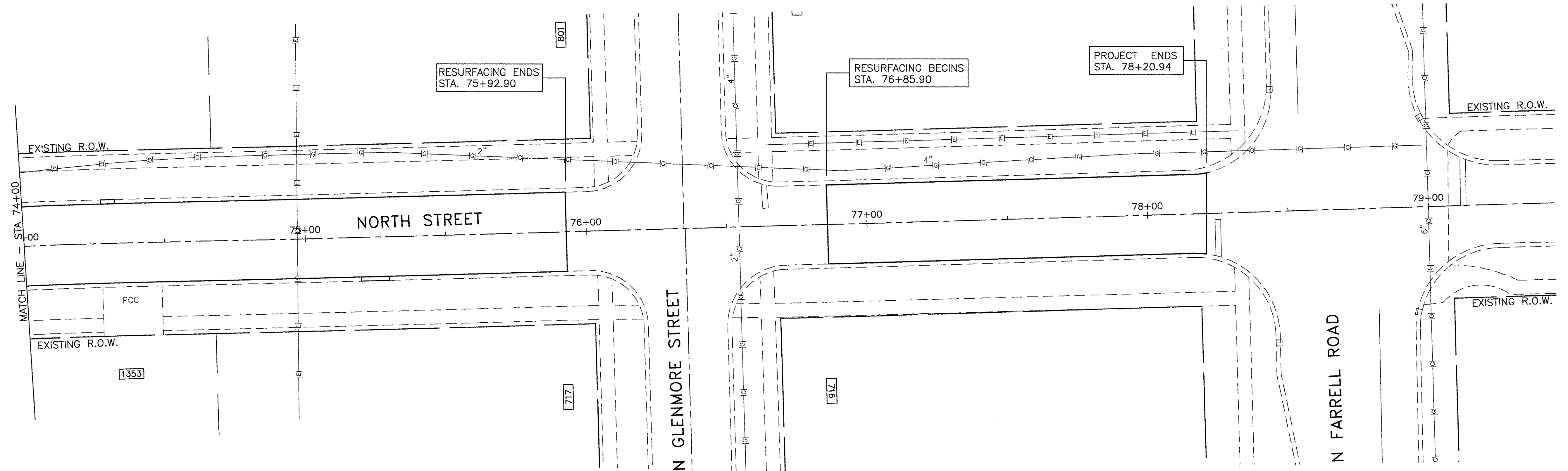
SCALE: 1"=20' SHEET NO. \_\_\_ OF \_\_\_ SHEETS STA. 67+00 TO STA. 74+00

F.A.U. RTE 0287 & 0364	SECTION 15-00082-00-PV	COUNTY WILL	TOTAL SHEETS 74	SHEET NO. 34
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61D33	



LEGEND

-  PERIMETER EROSION BARRIER (P.E.B.)
-  INLET AND PIPE PROTECTION
-  INLET FILTERS (EXISTING DRAINAGE STRUCTURES)
-  INLET FILTERS (PROPOSED DRAINAGE STRUCTURES)
-  DRAINAGE STRUCTURES



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DRAWN	—	TLA	REVISED	—	_____
CHECKED	—	BDH	REVISED	—	_____
DATE	—	10/07/16	REVISED	—	_____

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

EROSION AND SEDIMENT CONTROL PLAN  
 NORTH STREET - REEF ROAD TO N FARRELL ROAD

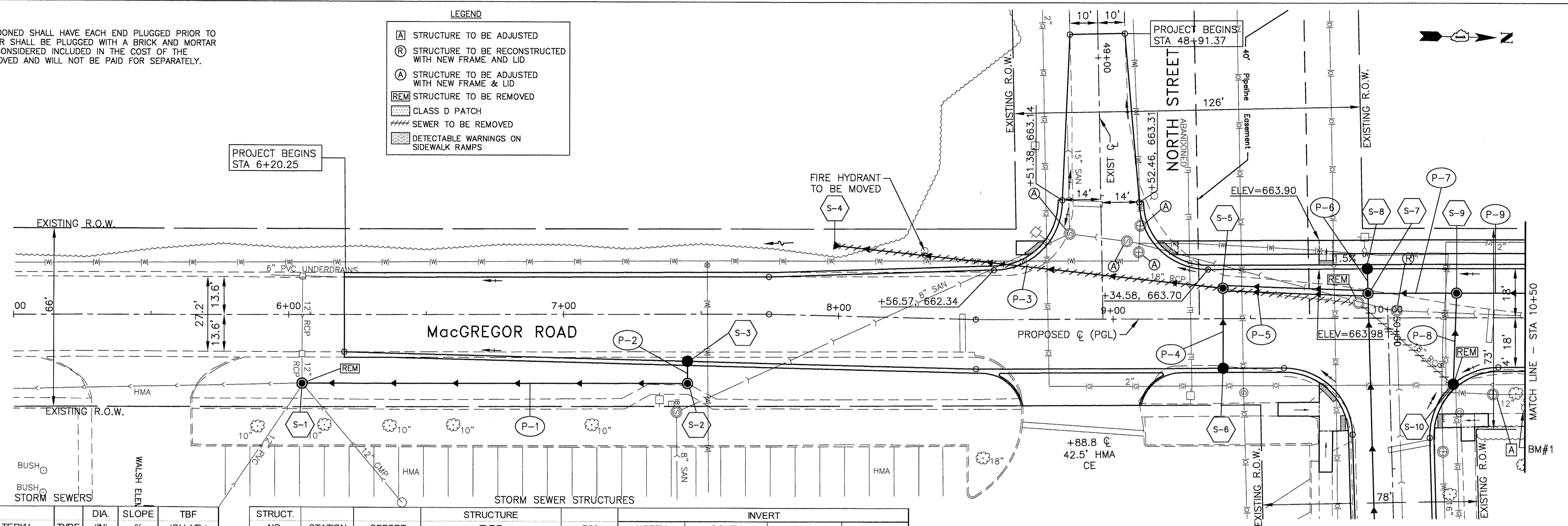
SCALE: 1"=20' SHEET NO. \_\_\_ OF \_\_\_ SHEETS STA. 74+00 TO STA. 78+20.94

F.A.U. RTE. 0287 & 0364	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	15-00082-00-PV	WILL	74	35
CONTRACT NO. 61D33			ILLINOIS FED. AID PROJECT	

**NOTES:**  
 1) SEWERS THAT ARE TO BE ABANDONED SHALL HAVE EACH END PLUGGED PRIOR TO FILLING THE STRUCTURE. THE SEWER SHALL BE PLUGGED WITH A BRICK AND MORTAR BULKHEAD. THIS WORK SHALL BE CONSIDERED INCLUDED IN THE COST OF THE DRAINAGE STRUCTURES TO BE REMOVED AND WILL NOT BE PAID FOR SEPARATELY.

**LEGEND**

- (A) STRUCTURE TO BE ADJUSTED
- (R) STRUCTURE TO BE RECONSTRUCTED WITH NEW FRAME AND LID
- (A) STRUCTURE TO BE ADJUSTED WITH NEW FRAME & LID
- (REM) STRUCTURE TO BE REMOVED
- CLASS D PATCH
- SEWER TO BE REMOVED
- DETECTABLE WARNINGS ON SIDEWALK RAMP



NO.	LENGTH (FOOT)	MATERIAL	TYPE	DIA. (IN)	SLOPE %	TBF (CU. YD.)
P-1	136	SS, CLA	2	12	1.00	30.7
P-2	2	SS, CLA	2	12	1.00	0.4
P-3	134	SS, WM REQ, EQRS	-	24 x 38	1.00	15.1
P-4	26	SS, CLA	1	12	1.00	3.7
P-5	46	SS, CLA	1	2 @ 21	0.90	10.2
P-6	6	SS, CLA	1	12	1.00	0.8
P-7	26	SS, WM REQ, EQRS	-	24 x 38	0.80	3.4
P-8	30	SS, CLA	1	12	1.00	4.0
P-9	109	SS, CLA, EQRS	1	22 x 34	0.80	14.4

STRUCT. NO.	STATION	OFFSET	STRUCTURE TYPE	RIM	INVERT			
					NORTH	SOUTH	EAST	WEST
S-1	6+04.8	25' RT	MH TA 5' DIA T1F, CL	658.00	655.00	652.64 (EX)	653.20 (EX)	652.64 (EX)
S-2	7+45	25' RT	MH TA 4' DIA T1F, CL	661.25	-	656.36	-	656.84
S-3	7+45	17.2' RT	CB TA 4' DIA T3V F&G	659.86	-	-	656.86	-
S-4	7+98	25.7' LT	PRC FES 24" x 38"	658.78	658.78	-	-	-
S-5	9+40	11.1' LT	MH TA 7' DIA T1F, CL	663.90	660.60	660.10	660.50	-
S-6	9+40	18' RT	CB TA 4' DIA T3V F&G	663.76	-	-	-	660.76
S-7	9+92.8	9' LT	MH TA 7' DIA T1F, CL	664.22	661.01	661.01	661.01	661.01
S-8	9+92.8	18' LT	CB TA 4' DIA T3V F&G	664.04	-	-	661.07	-
S-9	10+25	9' LT	MH TA 6' DIA T1F, CL	664.35	661.22	661.22	661.22	-
S-10	10+23.7	24.1' RT	CB TA 4' DIA T3 F&G	663.90	-	-	-	661.52

SCALES:  
 1" = 20' HOR  
 1" = 5' VER

PVI STA = 9+20.00  
 PVI ELEV = 664.12  
 L = 100.00'  
 K = 53.84'  
 E = 0.23'

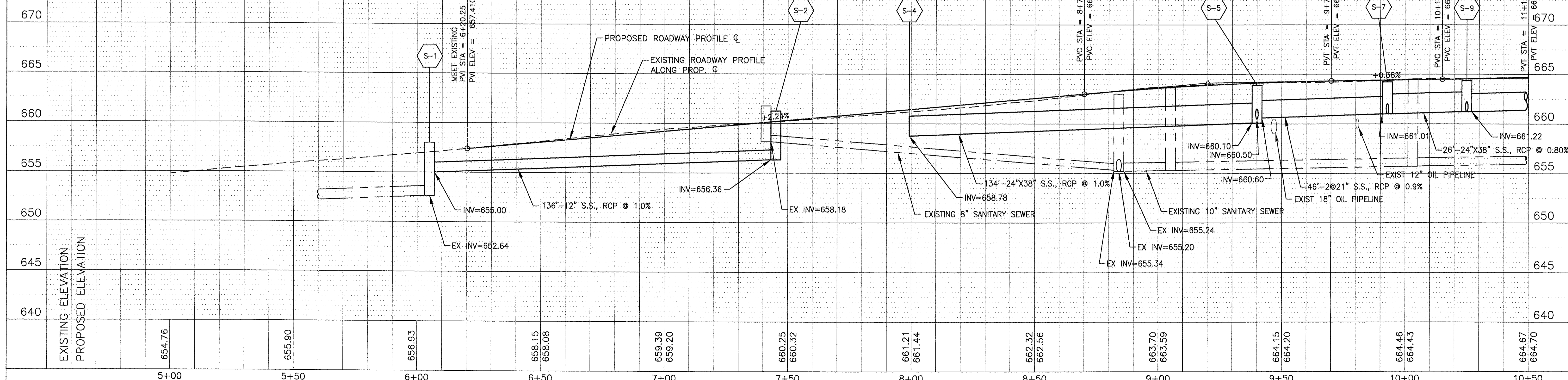
PVI STA = 10+65.00  
 PVI ELEV = 664.68  
 L = 100.00'  
 K = 81.47'  
 E = 0.15'

PLAN

BY	DATE
SURVEYED	
PLOTTED	
CHECKED	
DATE	
NO.	

PROFILE

BY	DATE
SURVEYED	
PLOTTED	
CHECKED	
DATE	
NO.	



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DRAWN - SMP	REVISED -
CHECKED - BDH	REVISED -
DATE - 10/07/16	REVISED -

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

**DRAINAGE AND UTILITY PLAN**  
**MacGREGOR ROAD - NORTH STREET TO SHOALS DRIVE**

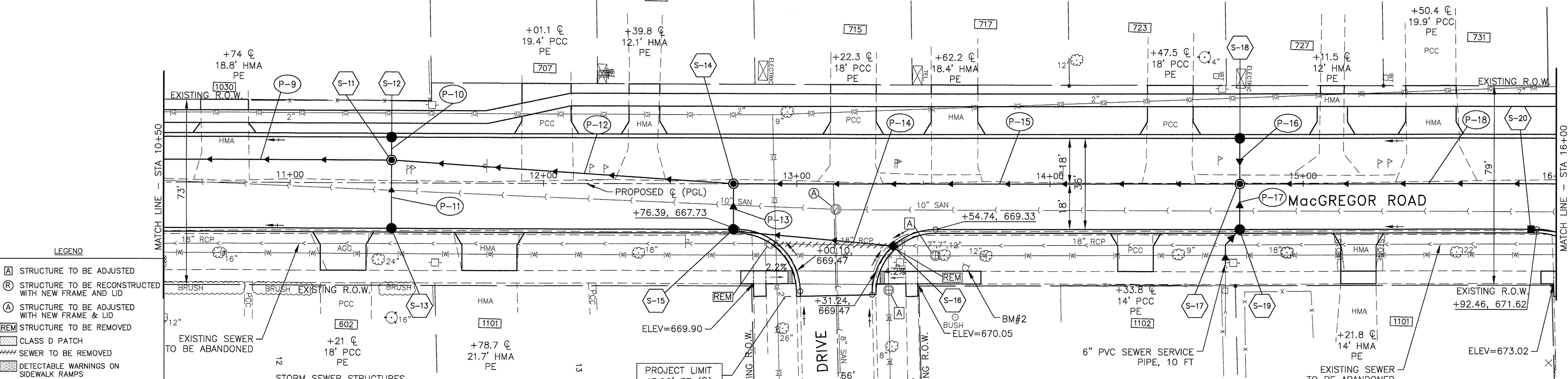
F.A.U. RTE. 0287 & 0364	SECTION 15-00082-00-PV	COUNTY WILL	TOTAL SHEETS 74	SHEET NO. 36
SCALE: 1"=20'			SHEET NO. ___ OF ___ SHEETS	
STA. 5+00 TO STA. 10+50			CONTRACT NO. 61D33	
ILLINOIS FED. AID PROJECT				



NOTES:  
 1) SEWERS THAT ARE TO BE ABANDONED SHALL HAVE EACH END PLUGGED PRIOR TO FILLING THE STRUCTURE. THE SEWER SHALL BE PLUGGED WITH A BRICK AND MORTAR BULKHEAD. THIS WORK SHALL BE CONSIDERED INCLUDED IN THE COST OF THE DRAINAGE STRUCTURES TO BE REMOVED AND WILL NOT BE PAID FOR SEPARATELY.

DATE	
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REVISION	
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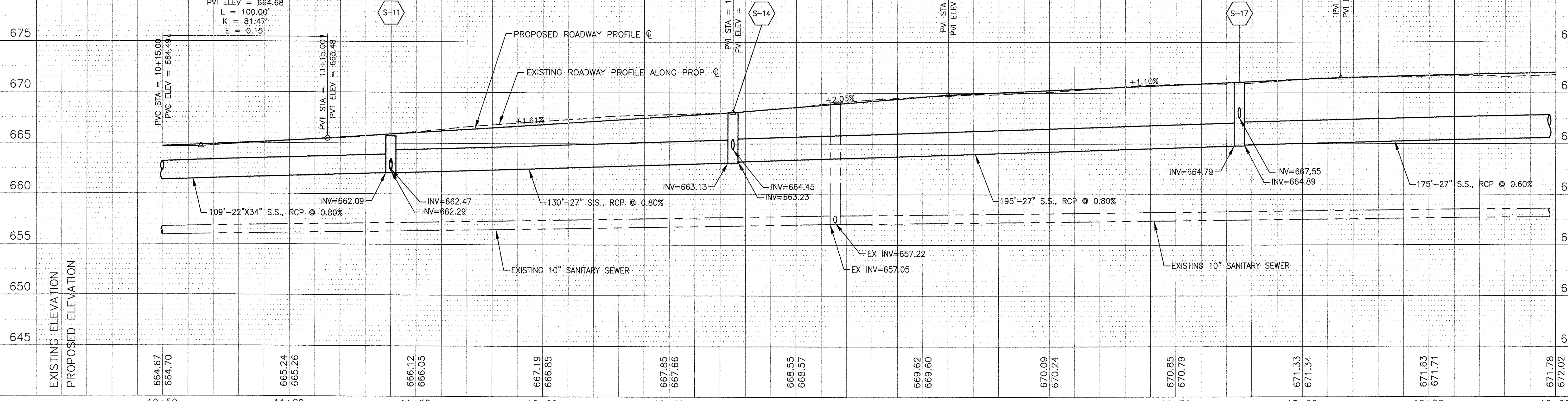
DATE	
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- LEGEND**
- (A) STRUCTURE TO BE ADJUSTED
  - (R) STRUCTURE TO BE RECONSTRUCTED WITH NEW FRAME AND LID
  - (A) STRUCTURE TO BE ADJUSTED WITH NEW FRAME & LID
  - (REM) STRUCTURE TO BE REMOVED
  - CLASS D PATCH
  - SEWER TO BE REMOVED
  - DETECTABLE WARNINGS ON SIDEWALK RAMPS

STRUCT. NO.	STATION	OFFSET	STRUCTURE TYPE	RIM	INVERT			
					NORTH	SOUTH	EAST	WEST
S-11	11+40	9' LT	MH TA 6' DIA T1F, CL	665.71	662.09	662.09	662.29	662.47
S-12	11+40	18' LT	CB TA 4' DIA T3V F&G	665.53	-	-	662.53	-
S-13	11+40	18' RT	CB TA 4' DIA T3V F&G	665.53	-	-	662.53	662.53
S-14	12+75	0' RT	MH TA 5' DIA T1F, CL	668.06	663.23	663.13	664.45	-
S-15	12+75	18' RT	CB TA 4' DIA T3V F&G	667.70	664.70	-	-	664.80
S-16	13+38.2	24.5' RT	INL TA T3V F&G	669.17	-	665.31	-	-
S-17	14+75	0' RT	MH TA 5' DIA T1F, CL	671.06	664.89	664.79	667.55	667.55
S-18	14+75	18' LT	CB TA 4' DIA T3V F&G	670.70	-	-	667.70	-
S-19	14+75	18' RT	CB TA 4' DIA T3V F&G	670.70	-	-	667.70	-
S-20	15+90	18' RT	INL TA T3V F&G	671.60	668.60	-	-	-

NO.	LENGTH (FOOT)	MATERIAL	TYPE	DIA. (IN)	SLOPE (%)	TBF
						(CU. YD.)
P-10	6	SS, CL A	1	12	1.00	0.9
P-11	24	SS, CL A	1	12	1.00	3.4
P-12	130	SS, CL A	1	27	0.80	28.1
P-13	15	SS, CL A	1	12	1.00	2.4
P-14	61	SS, CL A	1	12	1.00	10.6
P-15	195	SS, CL A	2	27	0.80	101.3
P-16	15	SS, CL A	1	12	1.00	2.3
P-17	15	SS, CL A	1	12	1.00	2.3
P-18	175	SS, CL A	2	27	0.60	133.0



10+50	11+00	11+50	12+00	12+50	13+00	13+50	14+00	14+50	15+00	15+50	16+00
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DATE - 10/07/16	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

**DRAINAGE AND UTILITY PLAN**  
**MacGREGOR ROAD - NORTH STREET TO SHOALS DRIVE**  
 SCALE: 1"=20' SHEET NO. \_\_\_ OF \_\_\_ SHEETS STA. 10+50 TO STA. 16+00

F.A.U. RTE. 0287 & 0364	SECTION 15-000B2-00-PV	COUNTY WILL	TOTAL SHEETS 74	SHEET NO. 37
CONTRACT NO. 61D33			ILLINOIS FED. AID PROJECT	





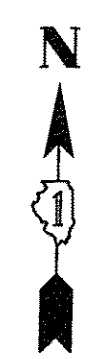
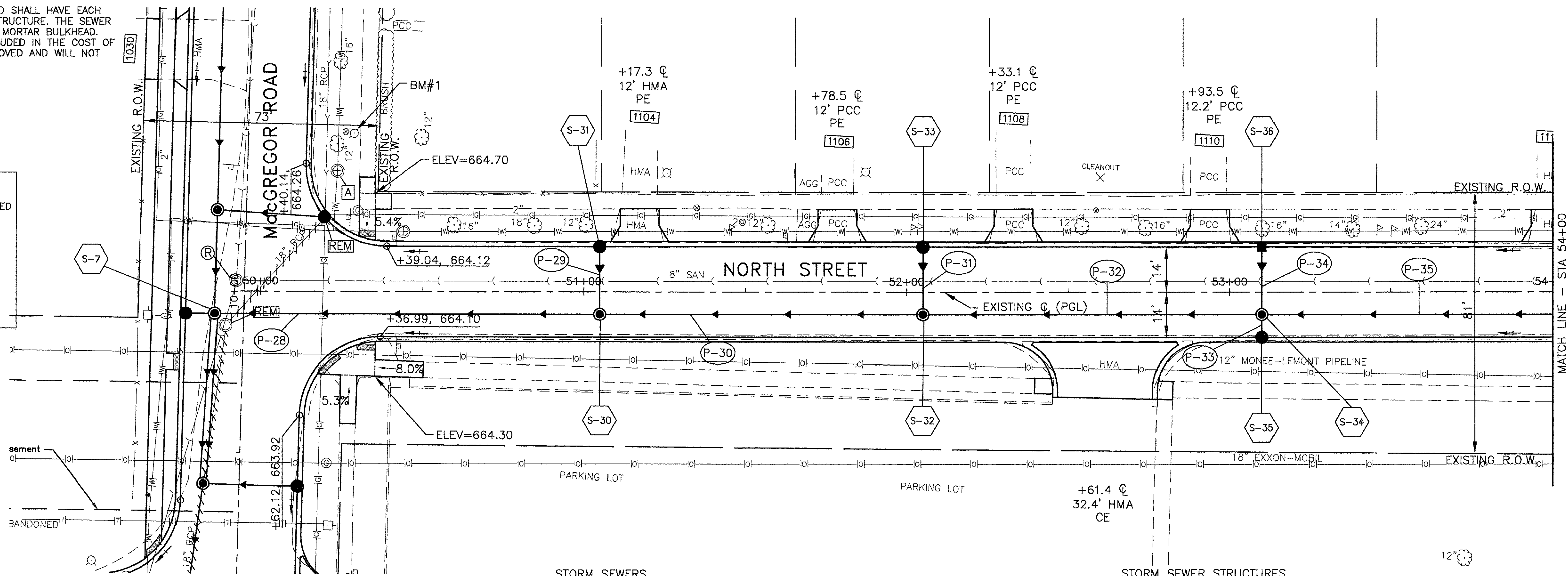


**NOTES:**

1) SEWERS THAT ARE TO BE ABANDONED SHALL HAVE EACH END PLUGGED PRIOR TO FILLING THE STRUCTURE. THE SEWER SHALL BE PLUGGED WITH A BRICK AND MORTAR BULKHEAD. THIS WORK SHALL BE CONSIDERED INCLUDED IN THE COST OF THE DRAINAGE STRUCTURES TO BE REMOVED AND WILL NOT BE PAID FOR SEPARATELY.

**LEGEND**

- [A] STRUCTURE TO BE ADJUSTED
- [R] STRUCTURE TO BE RECONSTRUCTED WITH NEW FRAME AND LID
- [A] STRUCTURE TO BE ADJUSTED WITH NEW FRAME & LID
- [REM] STRUCTURE TO BE REMOVED
- [HMA] CLASS D PATCH
- [---] SEWER TO BE REMOVED
- [---] DETECTABLE WARNINGS ON SIDEWALK RAMP



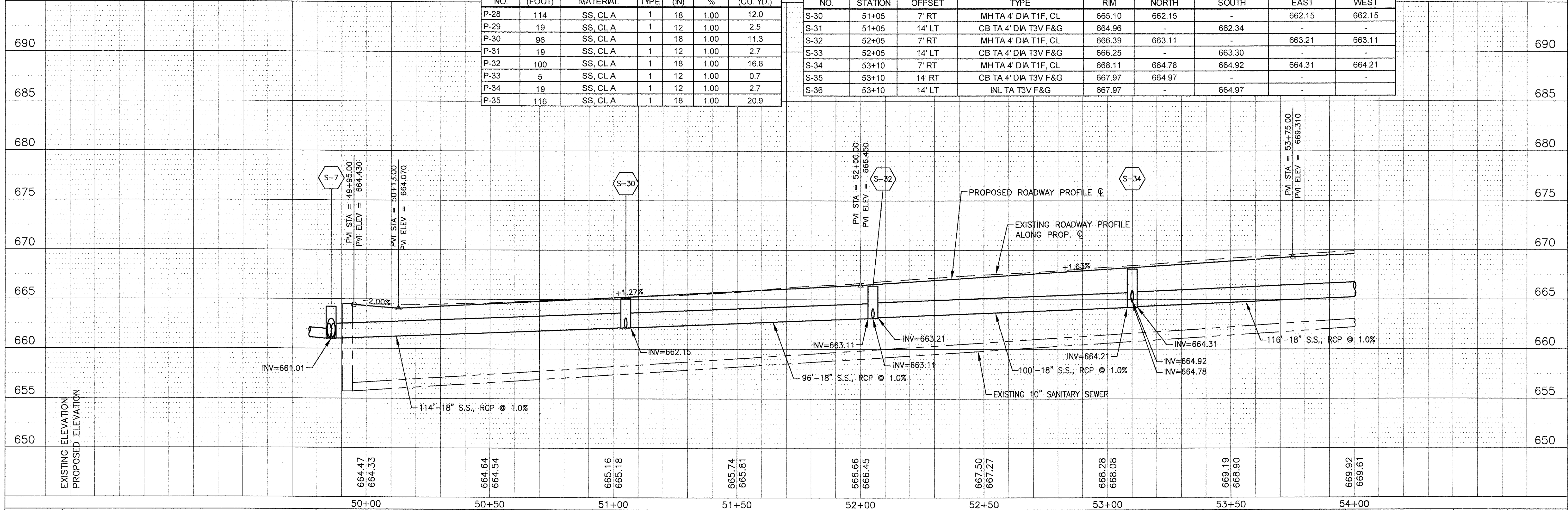
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BY	
PROFILE	
NO.	
NO.	
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NO.	
NO.	
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NO.	LENGTH (FOOT)	MATERIAL	TYPE	DIA. (IN)	SLOPE %	TBF (CU. YD.)
P-28	114	SS, CLA	1	18	1.00	12.0
P-29	19	SS, CLA	1	12	1.00	2.5
P-30	96	SS, CLA	1	18	1.00	11.3
P-31	19	SS, CLA	1	12	1.00	2.7
P-32	100	SS, CLA	1	18	1.00	16.8
P-33	5	SS, CLA	1	12	1.00	0.7
P-34	19	SS, CLA	1	12	1.00	2.7
P-35	116	SS, CLA	1	18	1.00	20.9

STRUCT. NO.	STATION	OFFSET	STRUCTURE TYPE	RIM	INVERT			
					NORTH	SOUTH	EAST	WEST
S-30	51+05	7' RT	MH TA 4' DIA T1F, CL	665.10	662.15	-	662.15	662.15
S-31	51+05	14' LT	CB TA 4' DIA T3V F&G	664.96	-	662.34	-	-
S-32	52+05	7' RT	MH TA 4' DIA T1F, CL	666.39	663.11	-	663.21	663.11
S-33	52+05	14' LT	CB TA 4' DIA T3V F&G	666.25	-	663.30	-	-
S-34	53+10	7' RT	MH TA 4' DIA T1F, CL	668.11	664.78	664.92	664.31	664.21
S-35	53+10	14' RT	CB TA 4' DIA T3V F&G	667.97	664.97	-	-	-
S-36	53+10	14' LT	INL TA T3V F&G	667.97	-	664.97	-	-

SCALES:  
1" = 20' HOR  
1" = 5' VER



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DRAWN - SMP	REVISED -
CHECKED - BDH	REVISED -
DATE - 10/07/16	REVISED -

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

**DRAINAGE AND UTILITY PLAN**  
**NORTH STREET - MacGREGOR ROAD TO FARRELL ROAD**

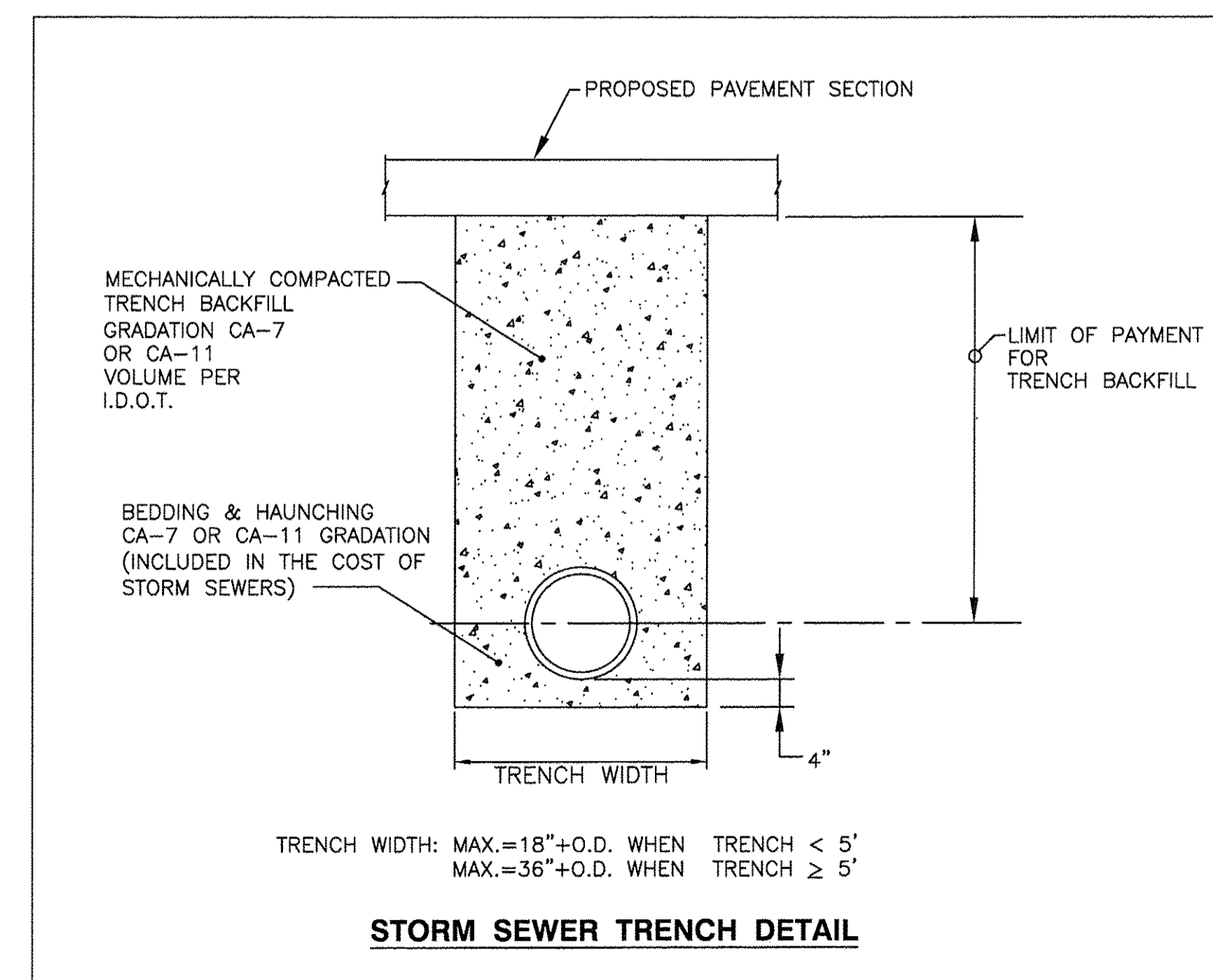
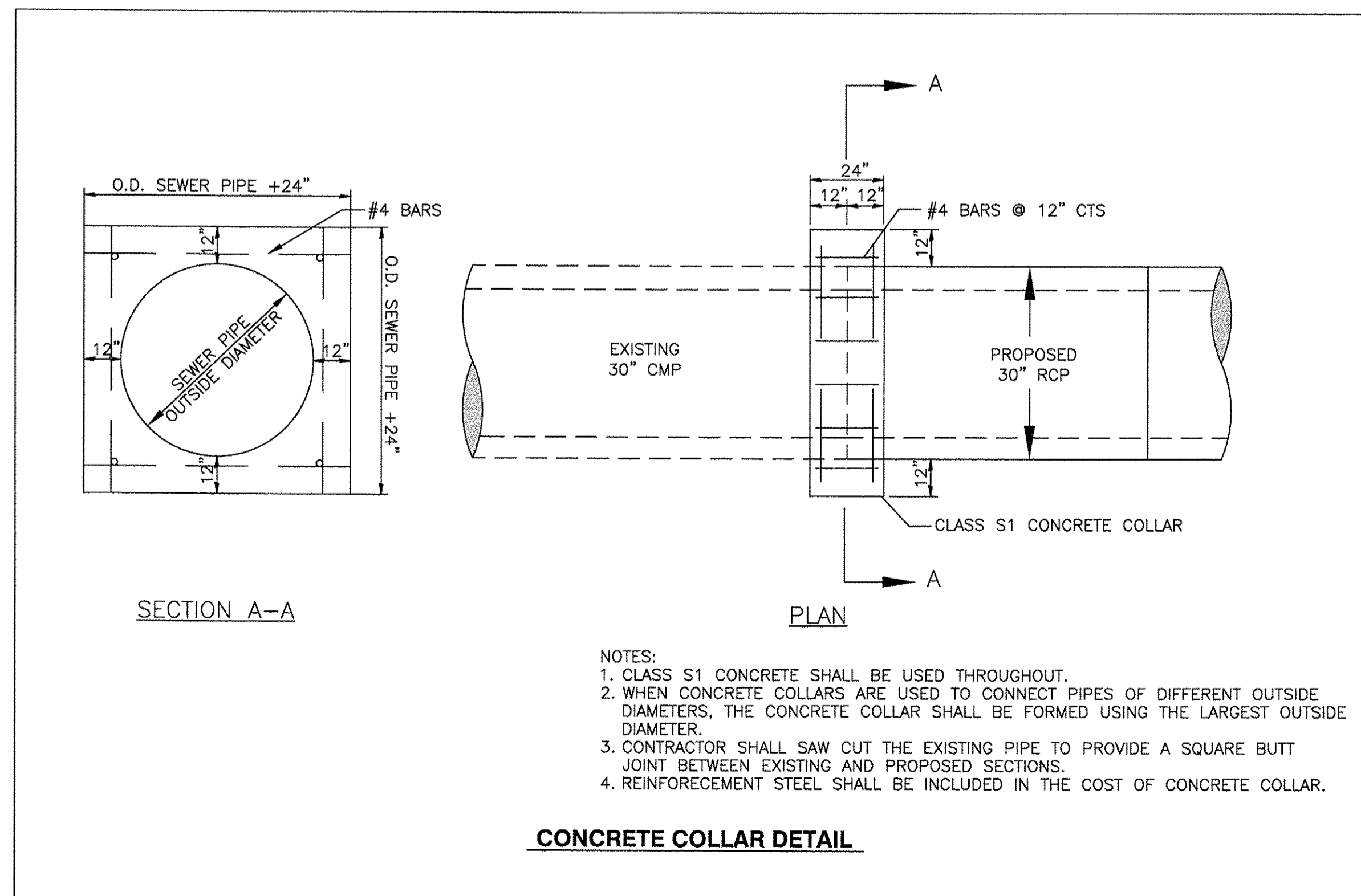
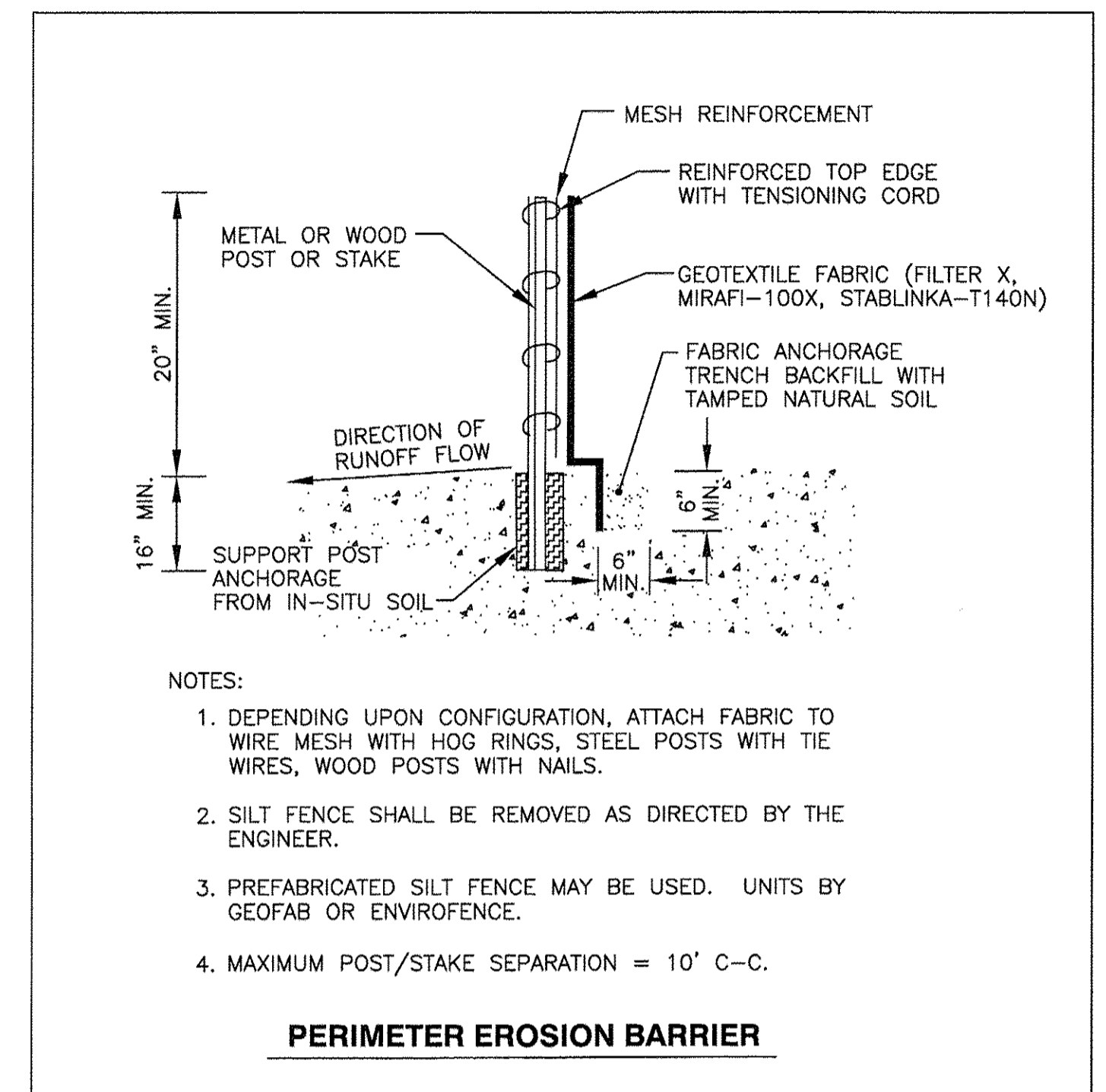
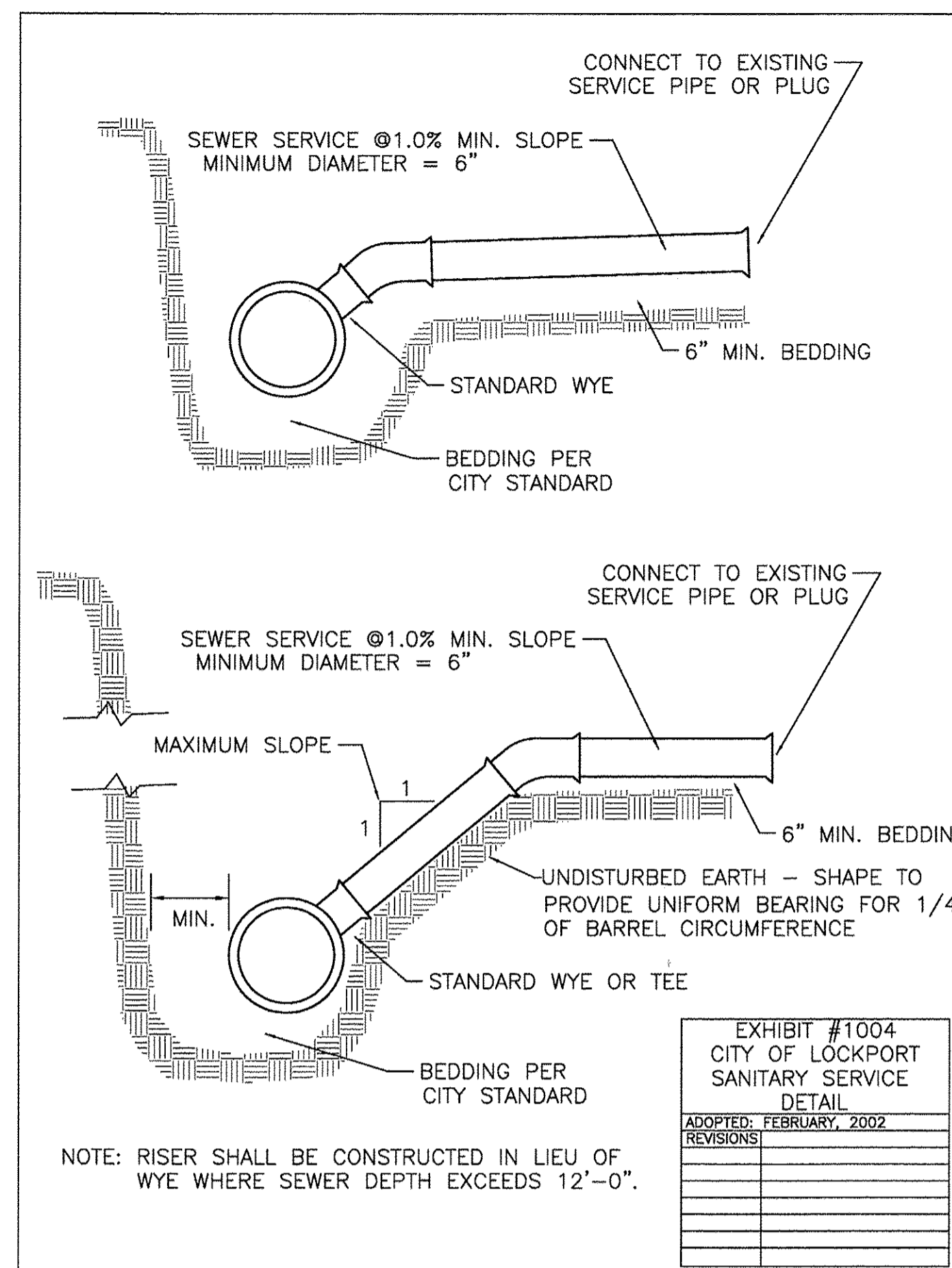
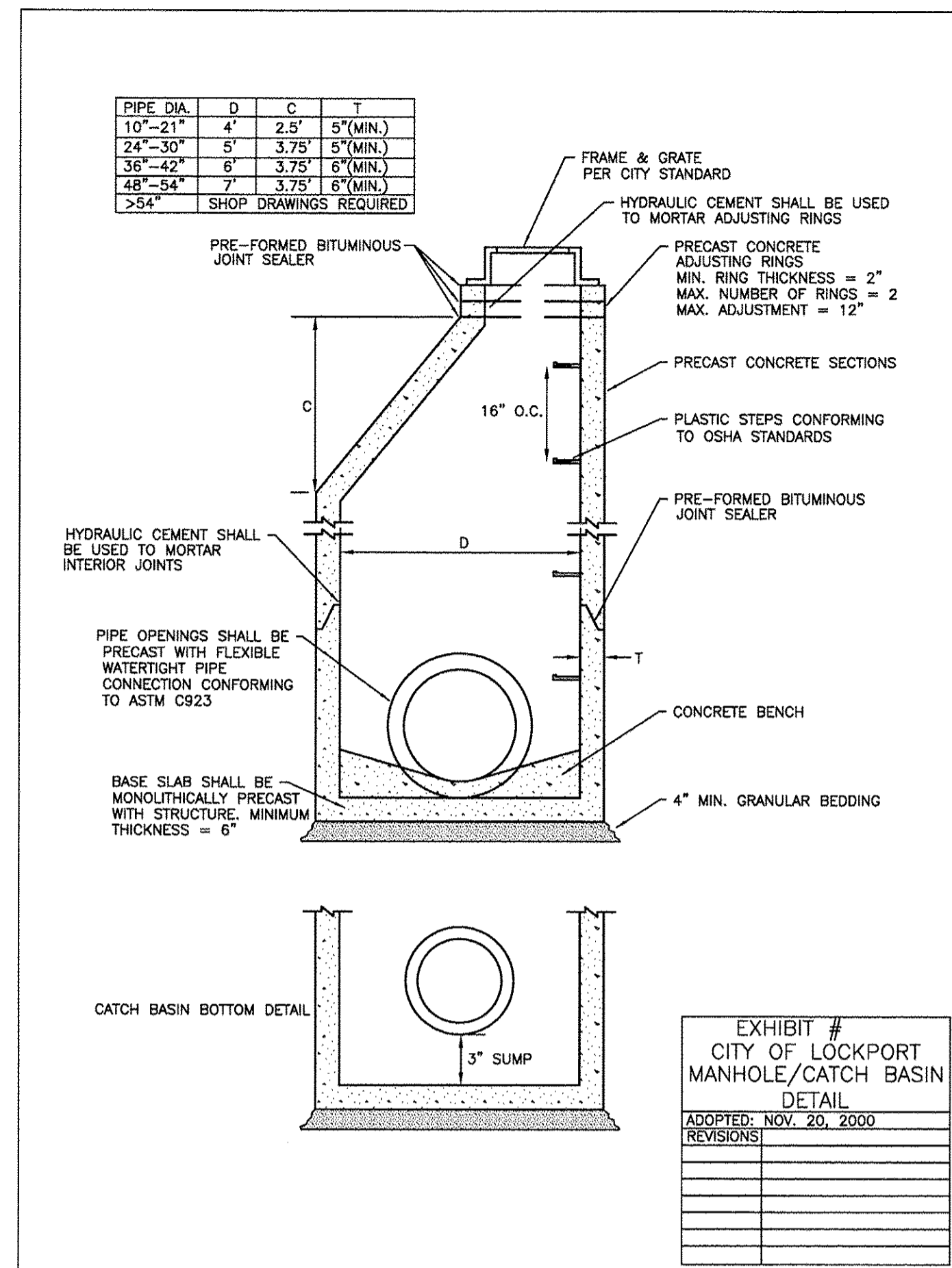
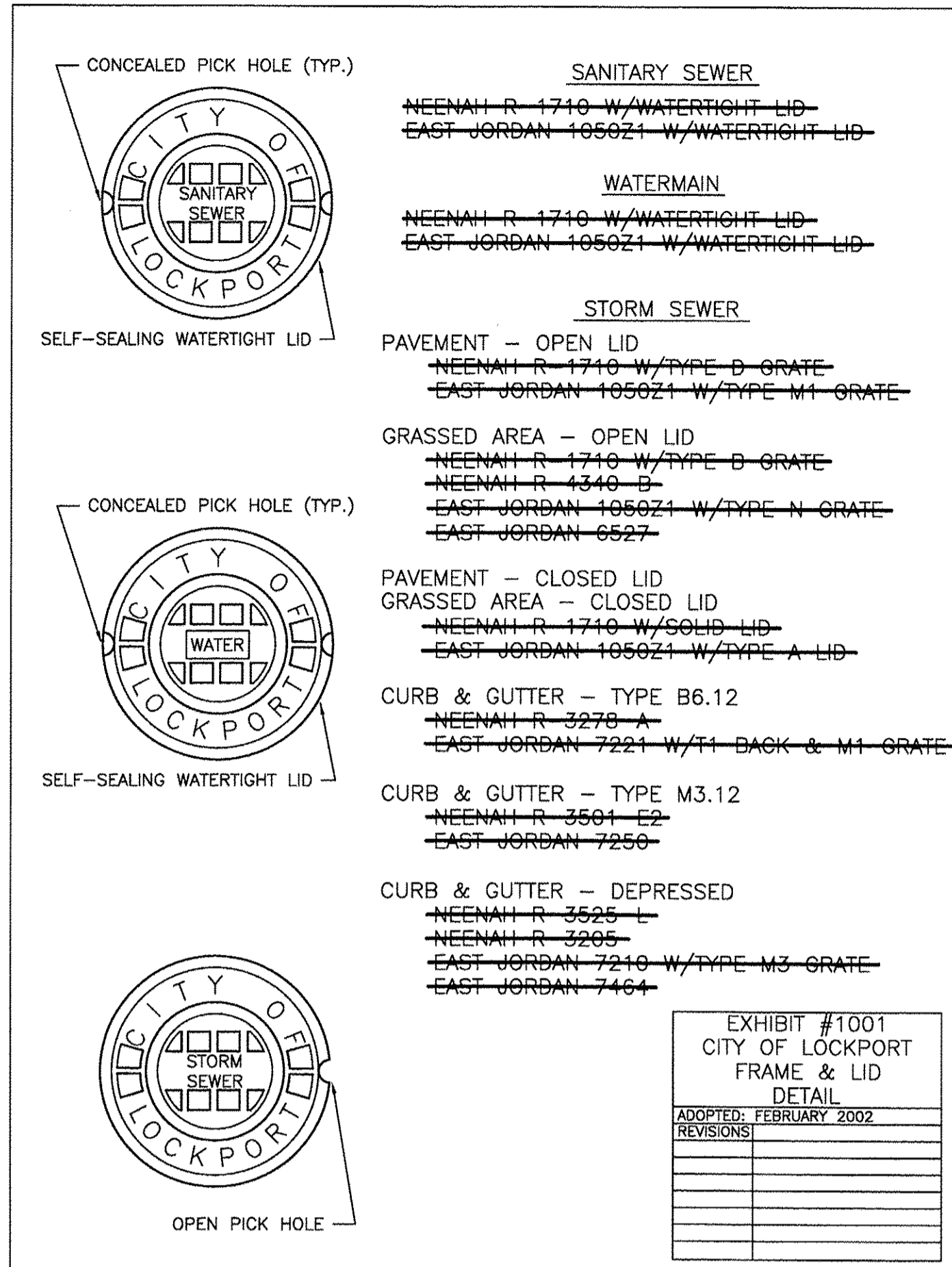
SCALE: 1"=20' SHEET NO. \_\_\_ OF \_\_\_ SHEETS STA. 50+00 TO STA. 54+00

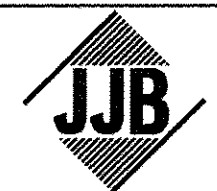
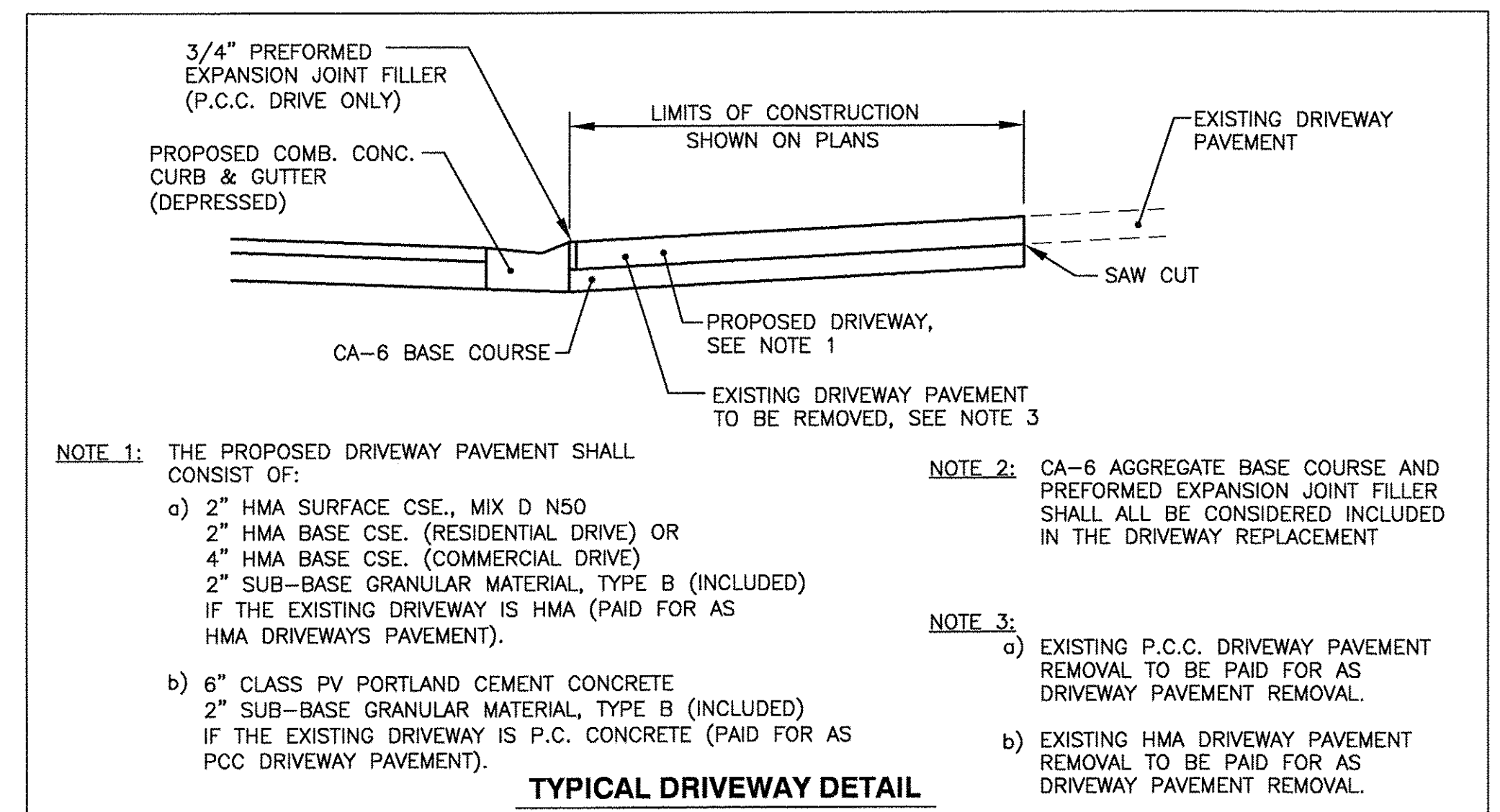
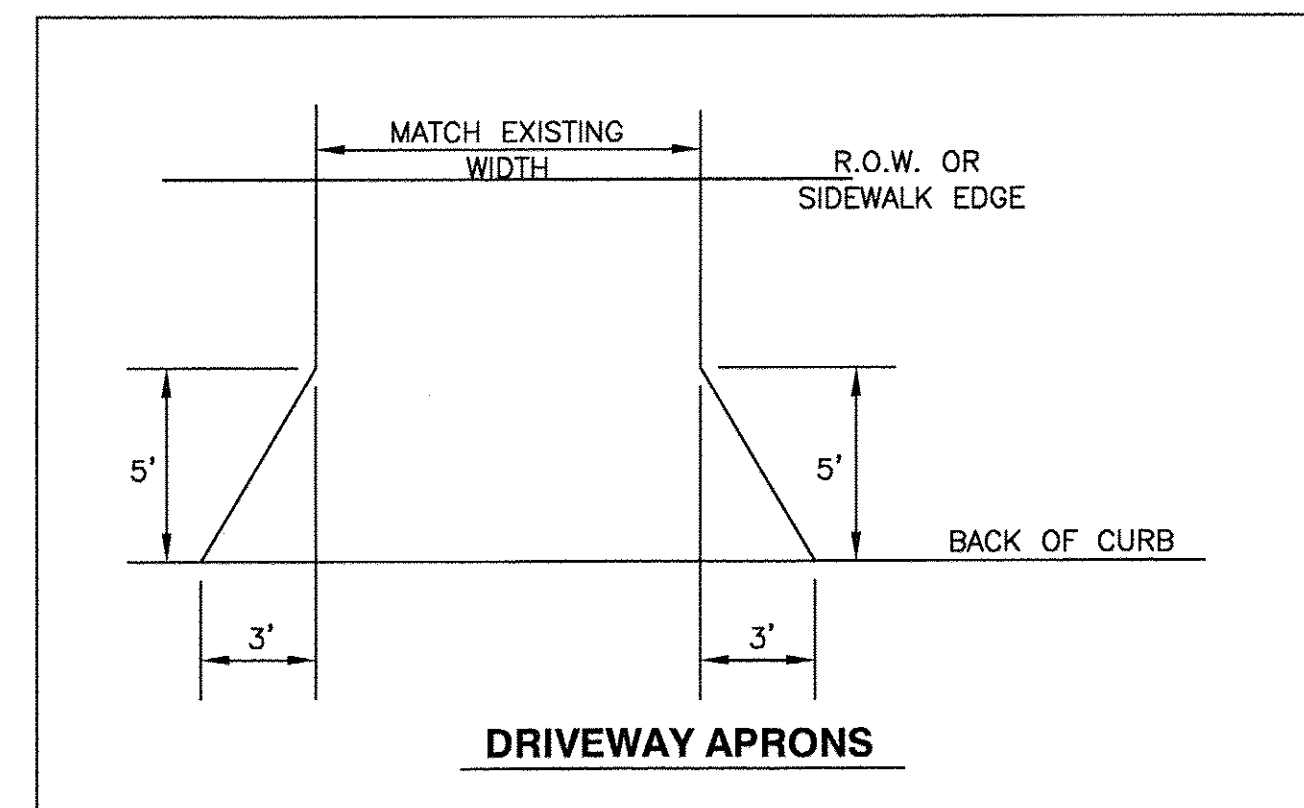
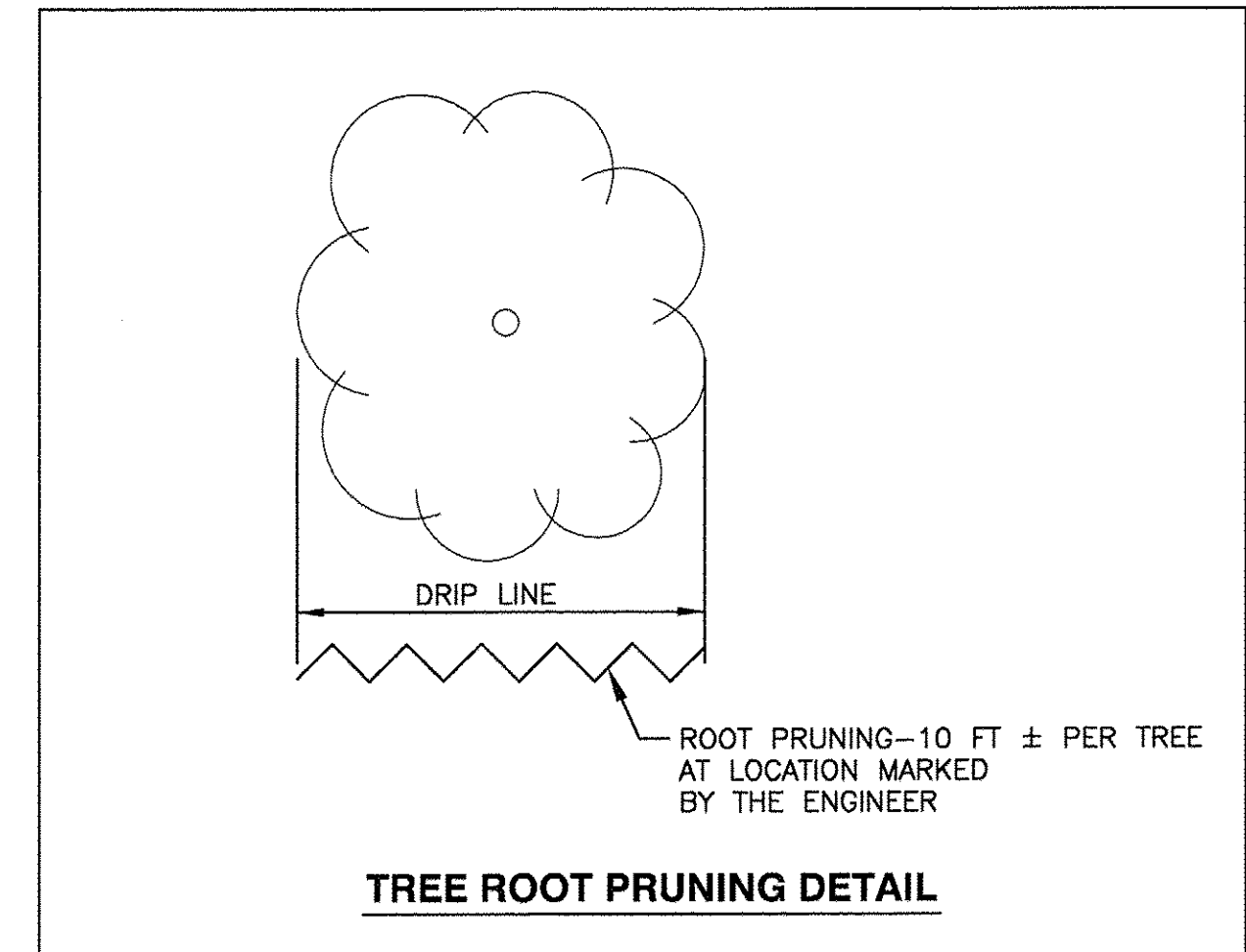
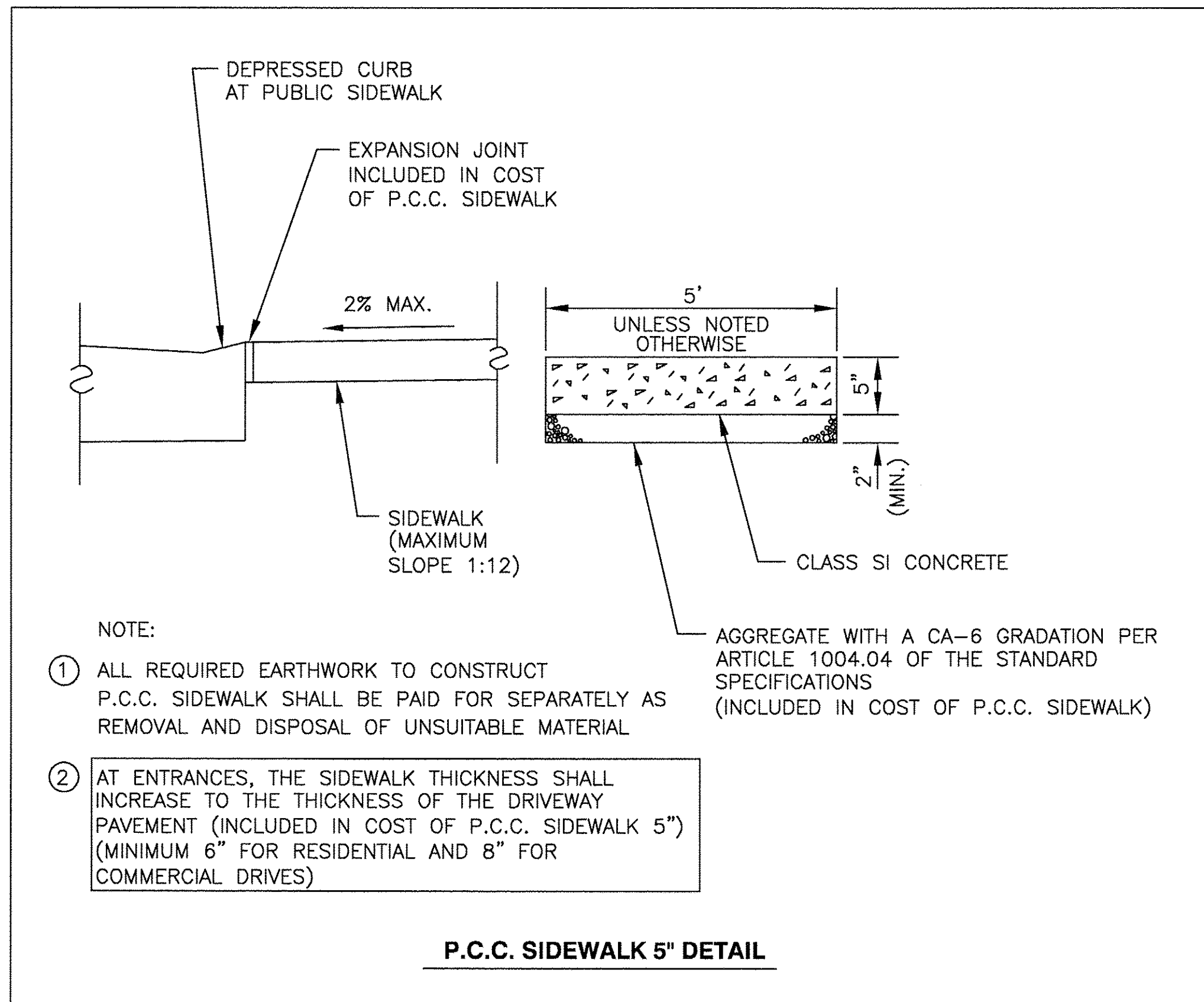
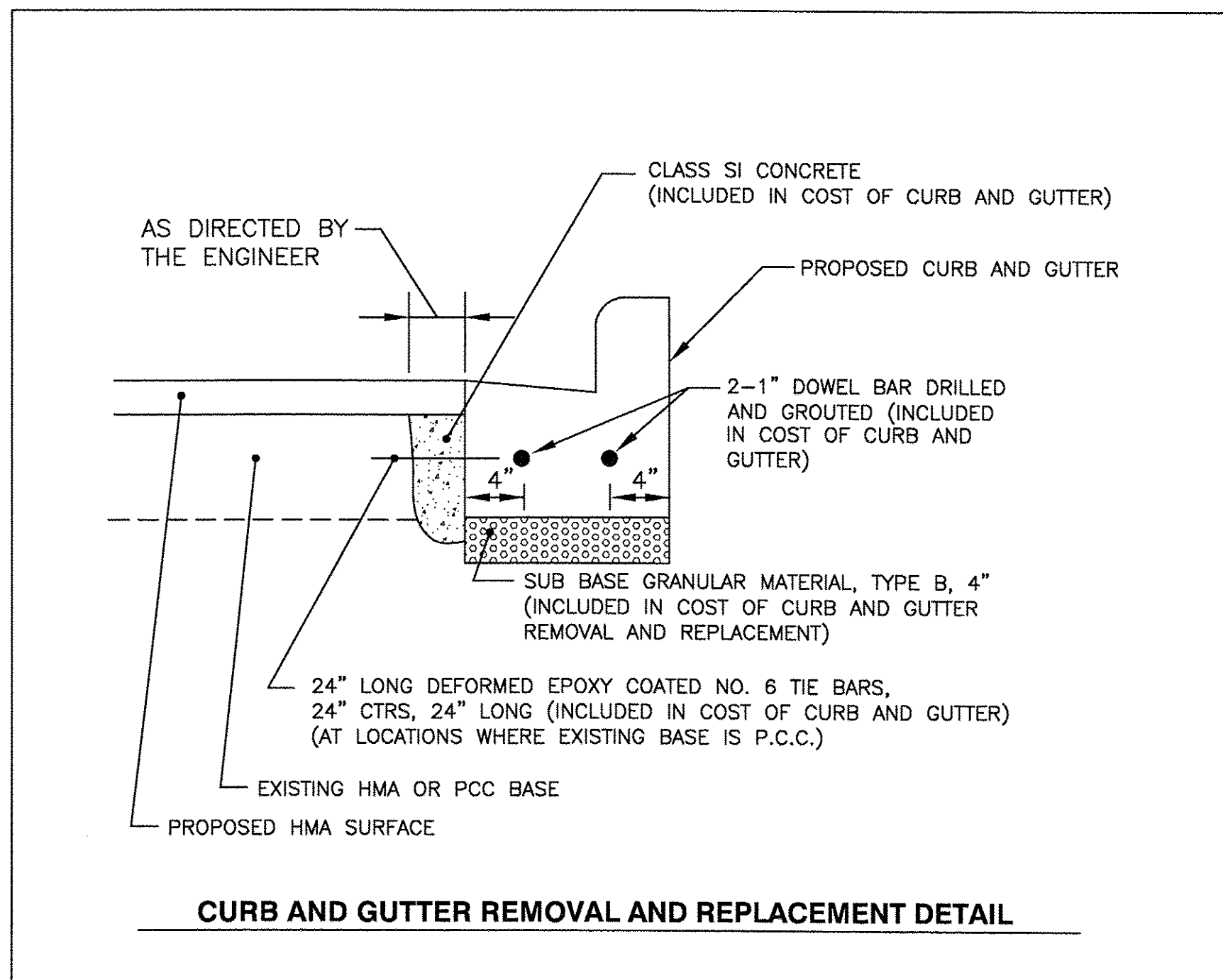
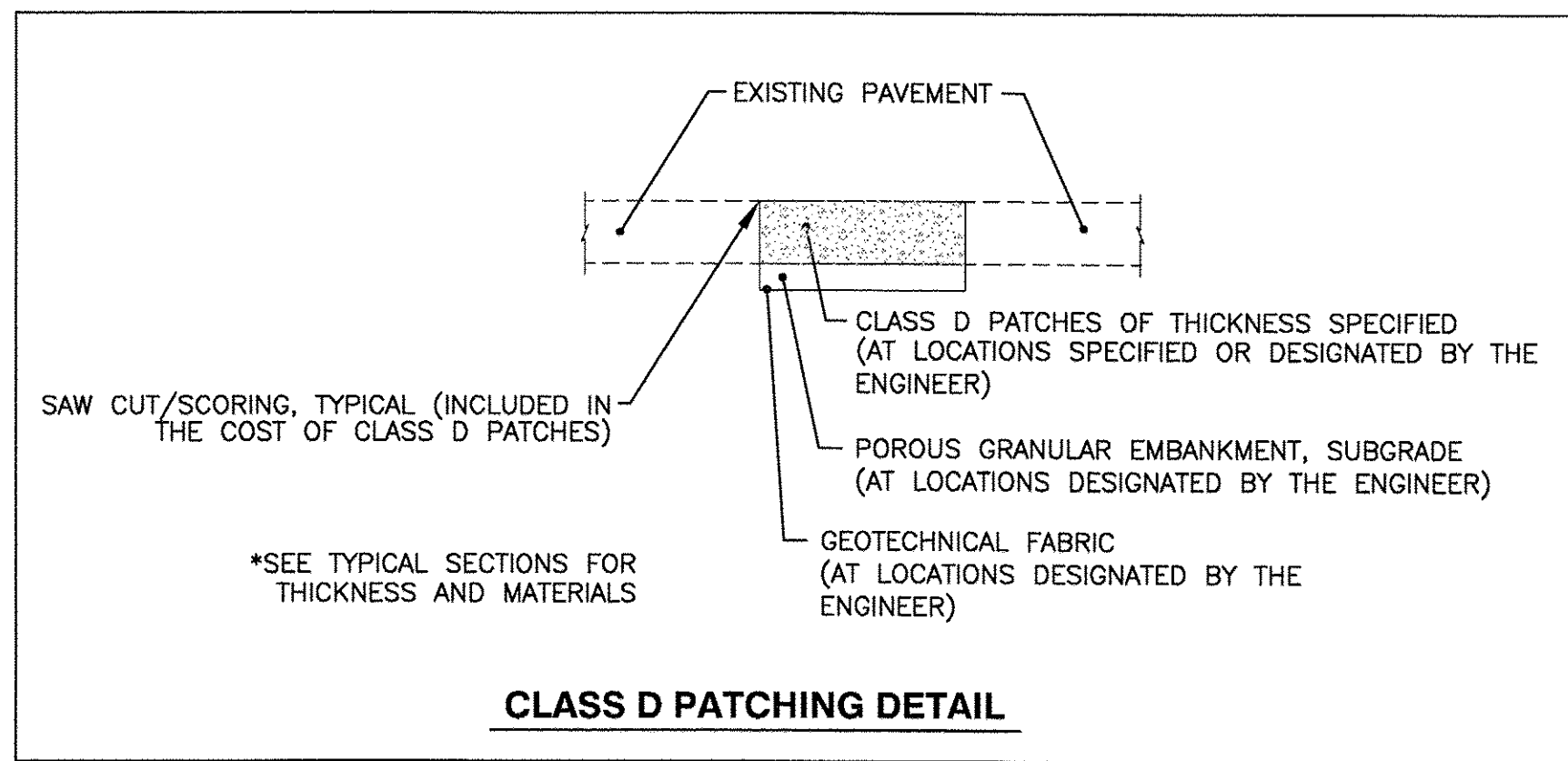
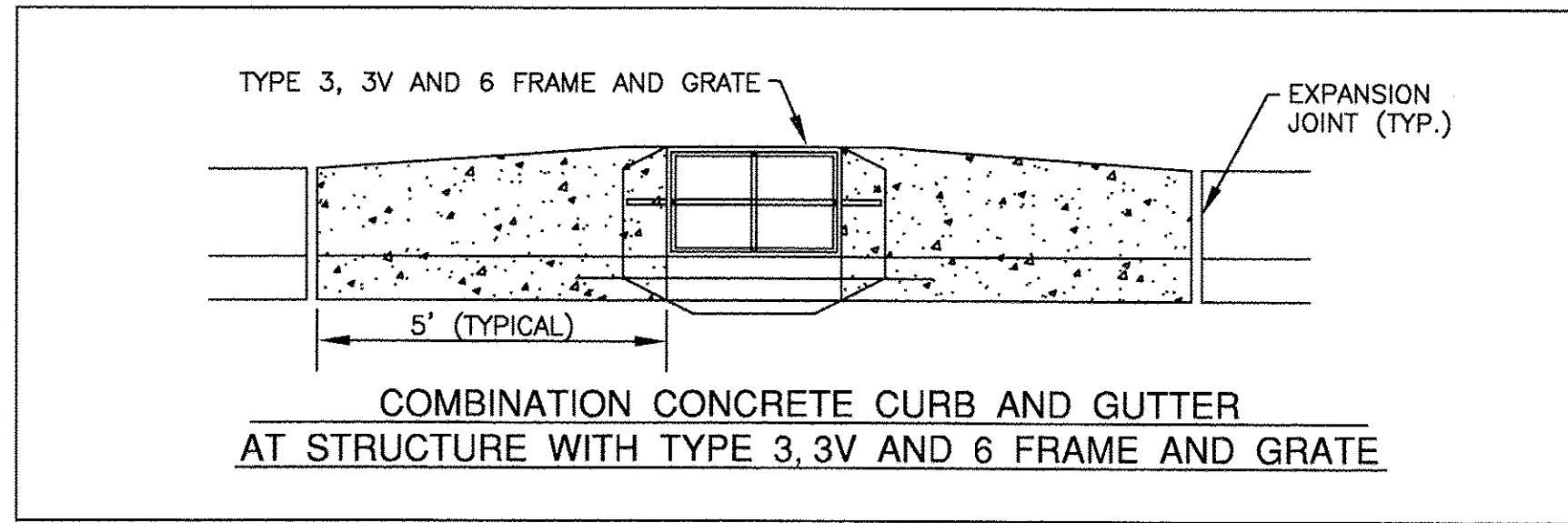
F.A.U. RTE. 0267 & 0364	SECTION 15-00082-00-PV	COUNTY WILL	TOTAL SHEETS 74	SHEET NO. 39
CONTRACT NO. 61D333			ILLINOIS FED. AID PROJECT	











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DRAWN —	SMP	REVISED —	_____
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DATE —	10-07-16	REVISED —	_____

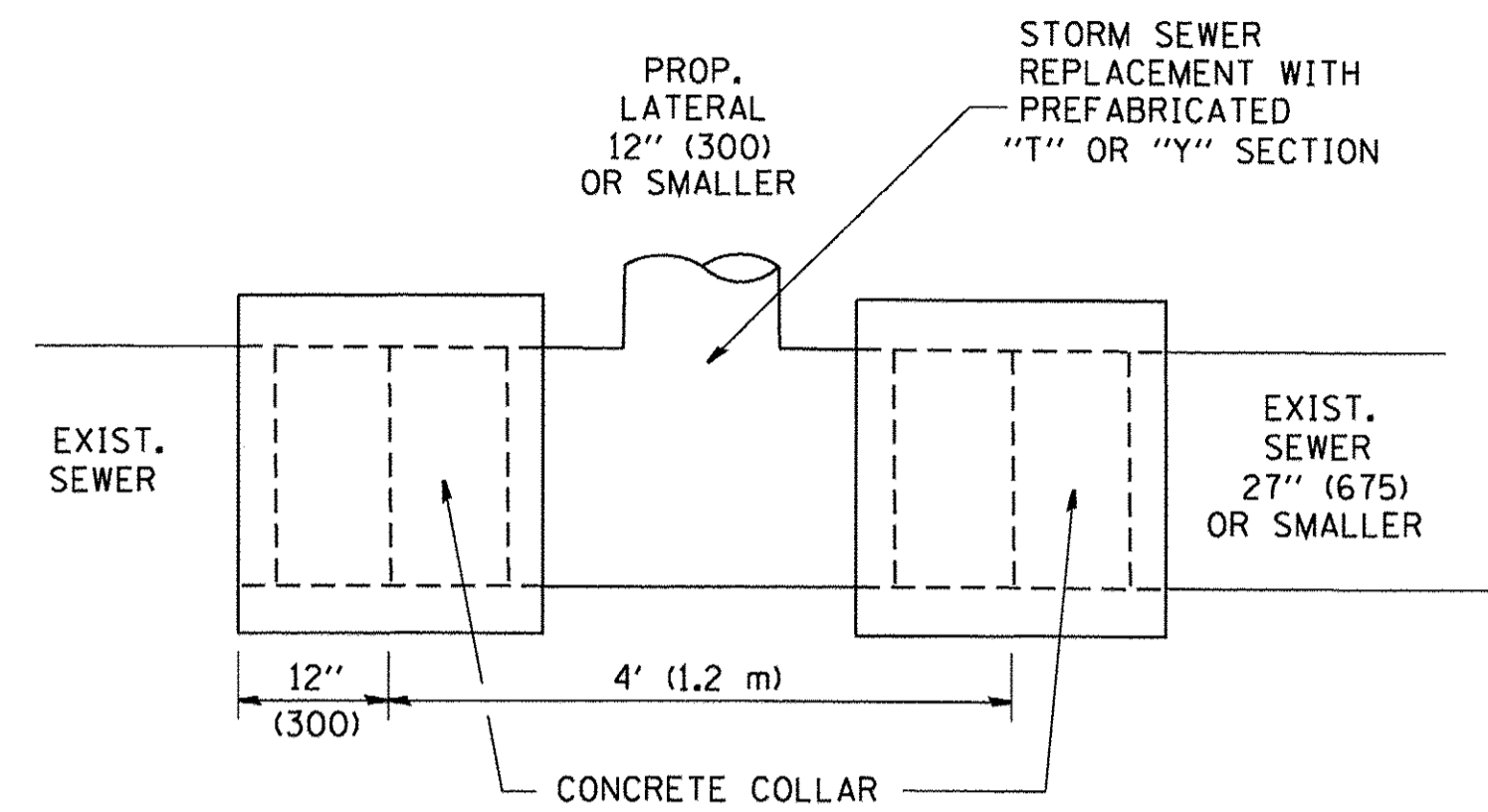
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

CONSTRUCTION DETAILS  
MacGREGOR ROAD/NORTH STREET

SCALE: NTS SHEET NO. \_\_\_ OF \_\_\_ SHEETS STA. \_\_\_\_\_ TO STA. \_\_\_\_\_

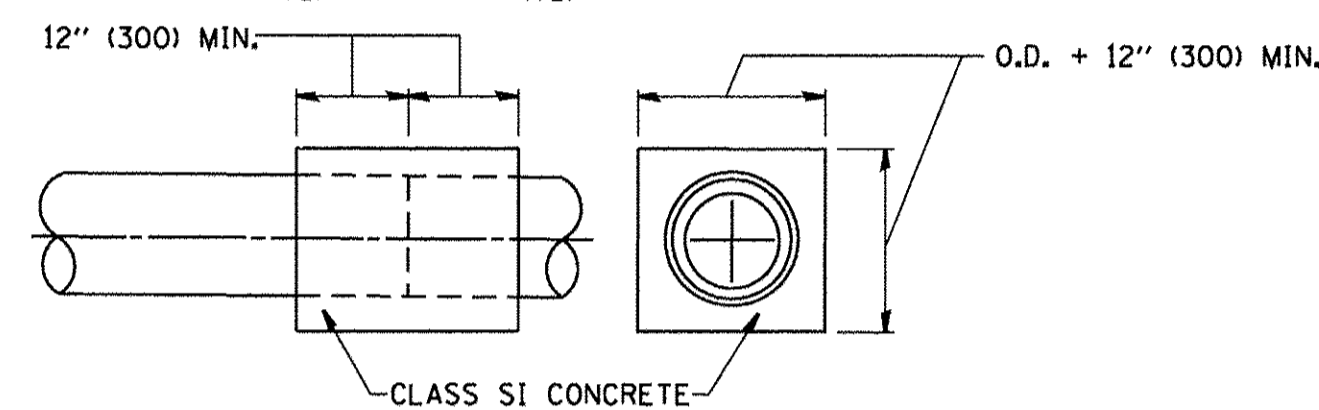
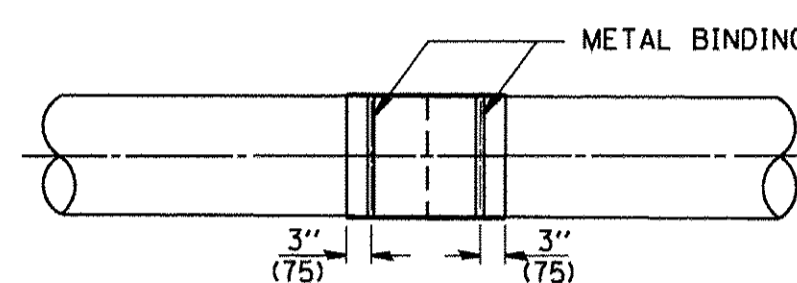
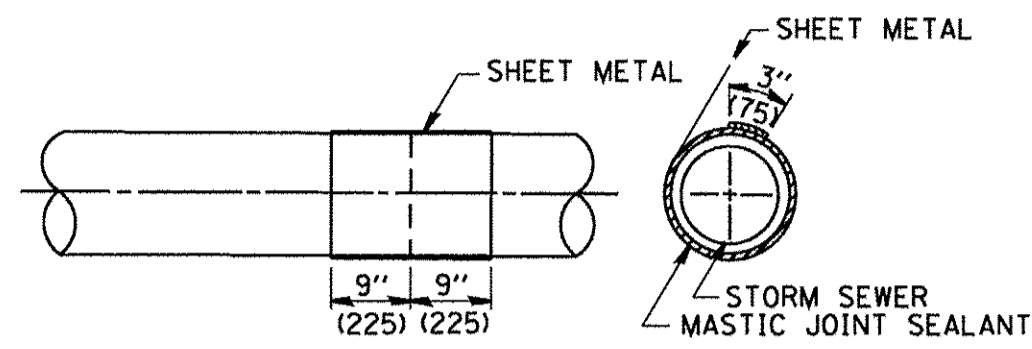
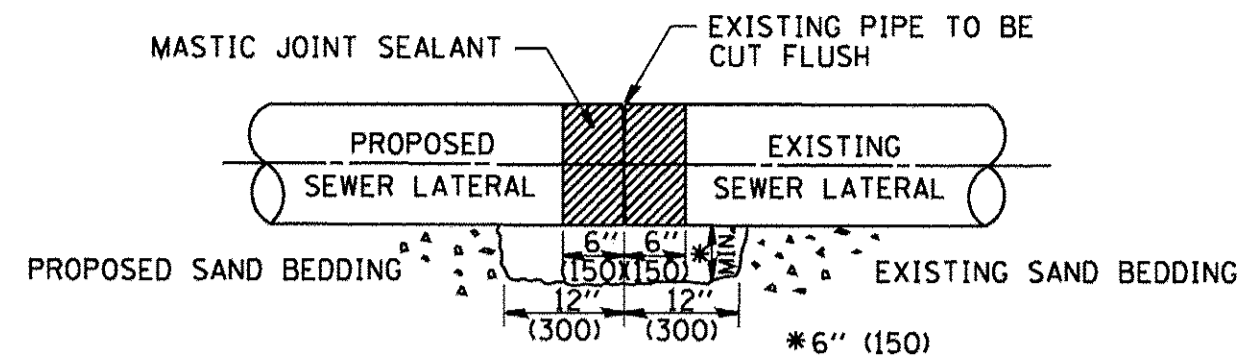
F.A.U. RTE. 0287 & 0364	SECTION 15-00082-00-PV	COUNTY WILL	TOTAL SHEETS 74	SHEET NO. 42
ILLINOIS FED. AID PROJECT				CONTRACT NO. 61D33





**DETAIL "A"**

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

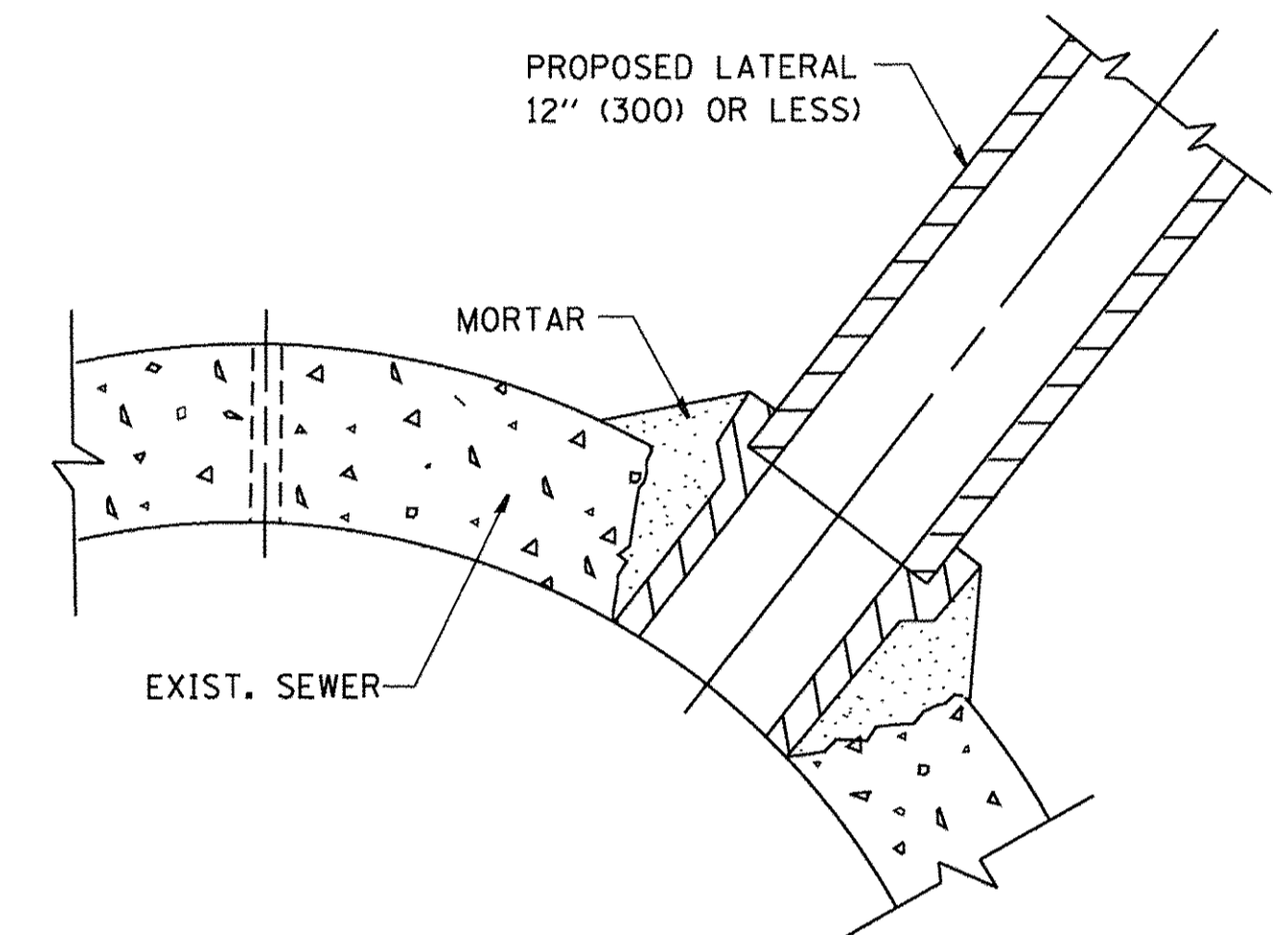


**DETAIL "B"**

CLASS SI CONCRETE COLLAR

**CONSTRUCTION SEQUENCE**

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



**DETAIL "C"**

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

**NOTES**

**MATERIAL**

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

**CONSTRUCTION METHODS**

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

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

**GENERAL**

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

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

**BASIS OF PAYMENT**

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

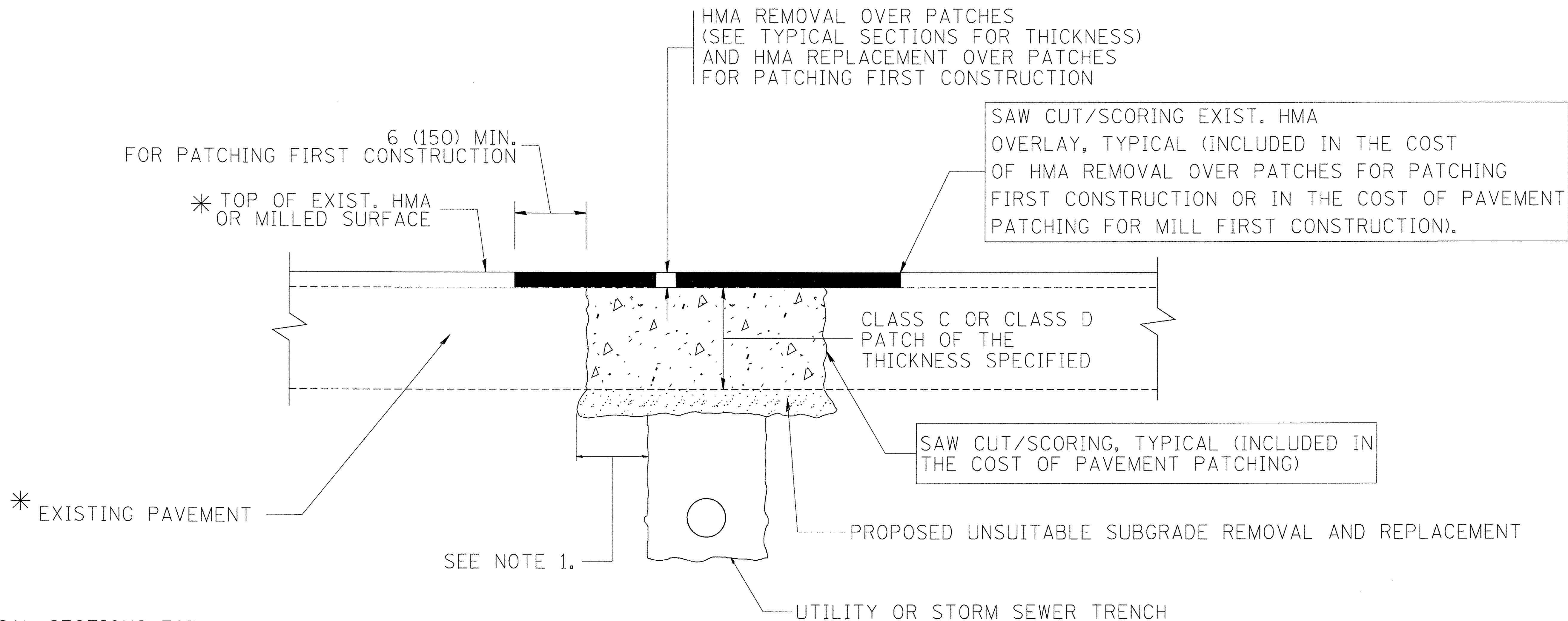
REMOVAL AND REINSTALLATION OF EXISTING STORM SEWER ADJACENT TO THE PROPOSED TEE OR WYE SECTION, FOR THE PURPOSE OF FACILITATING THE INSTALLATION OF THE TEE OR WYE SECTION, WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE WORK.

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

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

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

FILE NAME = W:\dietsd\22x34\bd07.dgn	USER NAME = geglienobt	DESIGNED - M. DE YONG	REVISED - M. DE YONG 05-08-92	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>DETAIL OF STORM SEWER CONNECTION TO EXISTING SEWER</b>			F.A.U. R.T.E. 0287 & 0364	SECTION 15-00082-00-PV	COUNTY WILL	TOTAL SHEETS 74	SHEET NO. 43
	PLOT SCALE = 50.000' / 1"	CHECKED -	REVISED - R. SHAH 09-09-94		SCALE: NONE	SHEET NO. 1	OF 1 SHEETS	STA.	TO STA.	CONTRACT NO. 61D33		
	PLOT DATE = 1/4/2008	DATE - 07-25-90	REVISED - R. SHAH 10-25-94		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT							
			REVISED - R. SHAH 06-12-96									



\* SEE TYPICAL SECTIONS FOR THICKNESS AND MATERIALS

**NOTES:**

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

**SEQUENCE OF CONSTRUCTION (PATCHING FIRST)**

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

**SEQUENCE OF CONSTRUCTION (MILLING FIRST)**

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

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

FILE NAME = c:\projects\dststd22x34\bd22.dgn	USER NAME = bauerd	DESIGNED - R. SHAH	REVISED - A. ABBAS 04-27-98	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT</b>			F.A.U. RTE. 0287 & 0364	SECTION 15-00082-00-PV	COUNTY WILL	TOTAL SHEETS 74	SHEET NO. 44
	PLOT SCALE = 50,000 ' / IN.	CHECKED -	REVISED - R. BORO 01-01-07		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	<b>BD400-04 (BD-22)</b>			
	PLOT DATE = 10/27/2008	DATE - 10-25-94	REVISED - R. BORO 09-04-07		CONTRACT NO. 61D33							
		DATE - 10-25-94	REVISED - K. ENG 10-27-08		FED. ROAD DIST. NO. 1   ILLINOIS FED. AID PROJECT							



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

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

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

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

18" (450) MAX.

1/4" (5) \*\*

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

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

EXISTING CONCRETE PAVEMENT, CONCRETE BASE COURSE OR FLEXIBLE PAVEMENT

3" (75) MIN.

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

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

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

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

UNSUITABLE SUB-BASE MATERIAL TO BE REMOVED, IF DIRECTED BY THE ENGINEER, SHALL BE REPLACED WITH EITHER SUB-BASE GRANULAR MATERIAL, TYPE B OR ADDITIONAL THICKNESS OF CONCRETE.

REMOVAL AND REPLACEMENT 4" (100) OR LESS IS INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT.

REMOVAL AND REPLACEMENT IN EXCESS OF 4" (100) WILL BE PAID FOR IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS.

NOTE: ① SIDEWALK, DRIVEWAY PAVEMENT OR MEDIAN SURFACE SHALL BE SIMILAR TO THE MATERIAL BEING REMOVED AND WILL BE PAID FOR SEPARATELY.  
SODDING, SALT TOLERANT AND TOP SOIL, FURNISH AND PLACE 4" WILL BE PAID FOR SEPARATELY,

② FERTILIZER FOR THE PLACEMENT OF THE SOD IS NOT REQUIRED

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

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

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

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

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

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

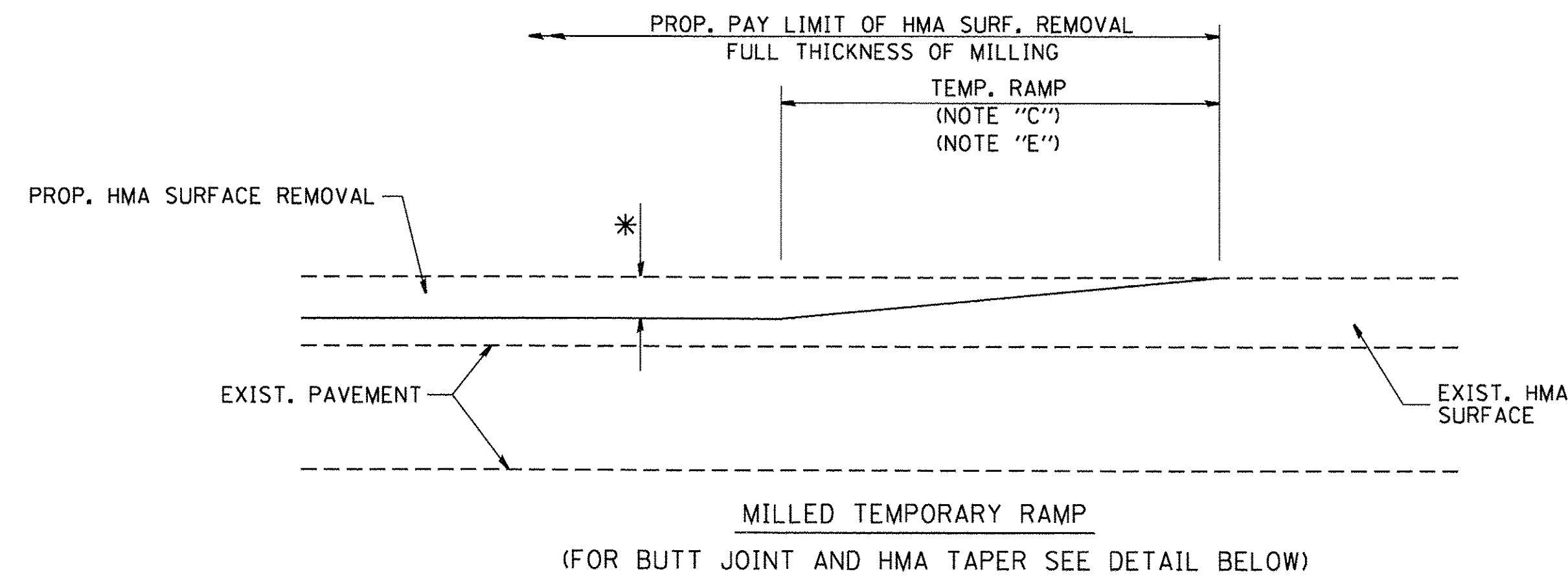
PROPOSED #6 (20) EPOXY COATED TIE BARS 24" (600) LONG AT 24" (600) CENTERS WILL NOT BE PAID FOR SEPARATELY. DELETE EPOXY COATED TIE BARS IF EXISTING TIE BARS ARE USUABLE AS DETERMINED BY THE ENGINEER. (SEE NOTE ③).

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

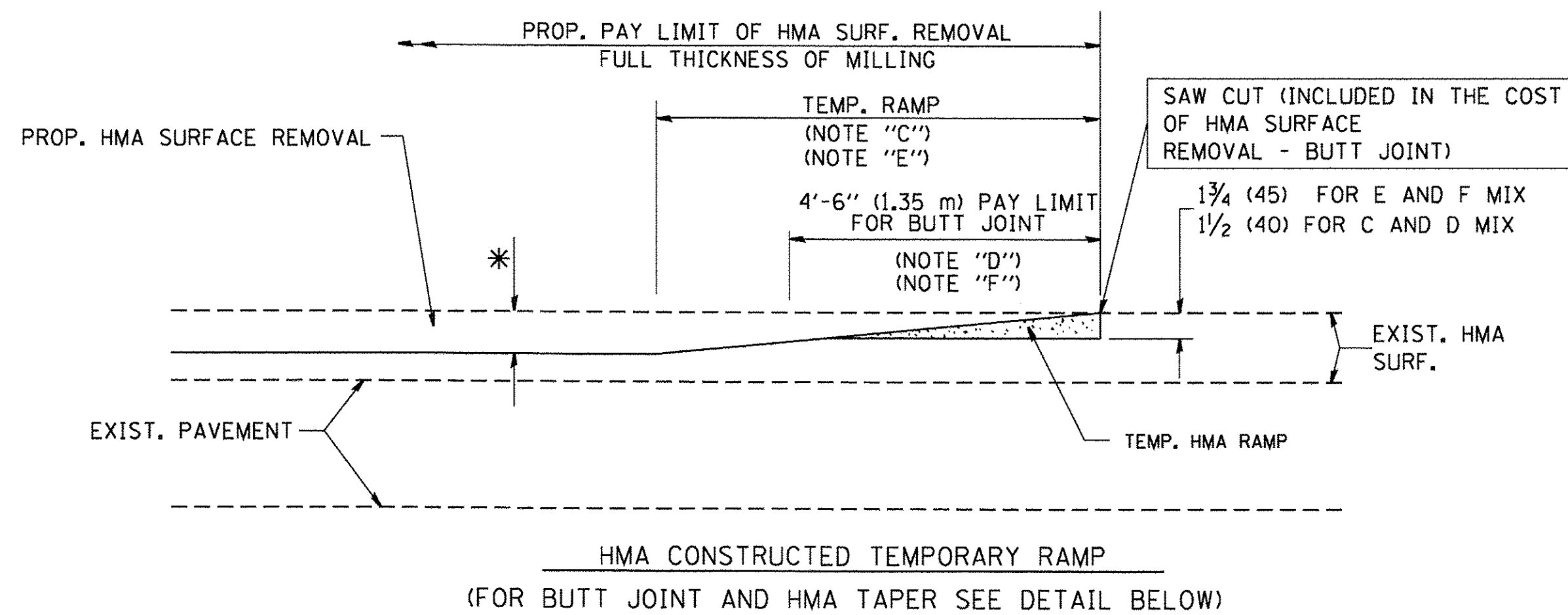
# CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

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

FILE NAME =	USER NAME = drvakosgn	DESIGNED - A. HOUSEH	REVISED - R. SHAH 10-03-96	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT</b>			F.A.U. RTE. 0287 & 0384	SECTION 15-00082-00-PV	COUNTY WILL	TOTAL SHEETS 74	SHEET NO. 45
c:\pw_work\pwsdot\drvakosgn\d0108315\bd24.dgn		DRAWN -	REVISED - A. ABBAS 03-21-97		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	<b>BD600-06 (BD-24)</b>		CONTRACT NO. 61D33	
		CHECKED -	REVISED - M. GOMEZ 01-22-01		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT							
		DATE - 03-11-94	REVISED - R. BORO 12-15-09									

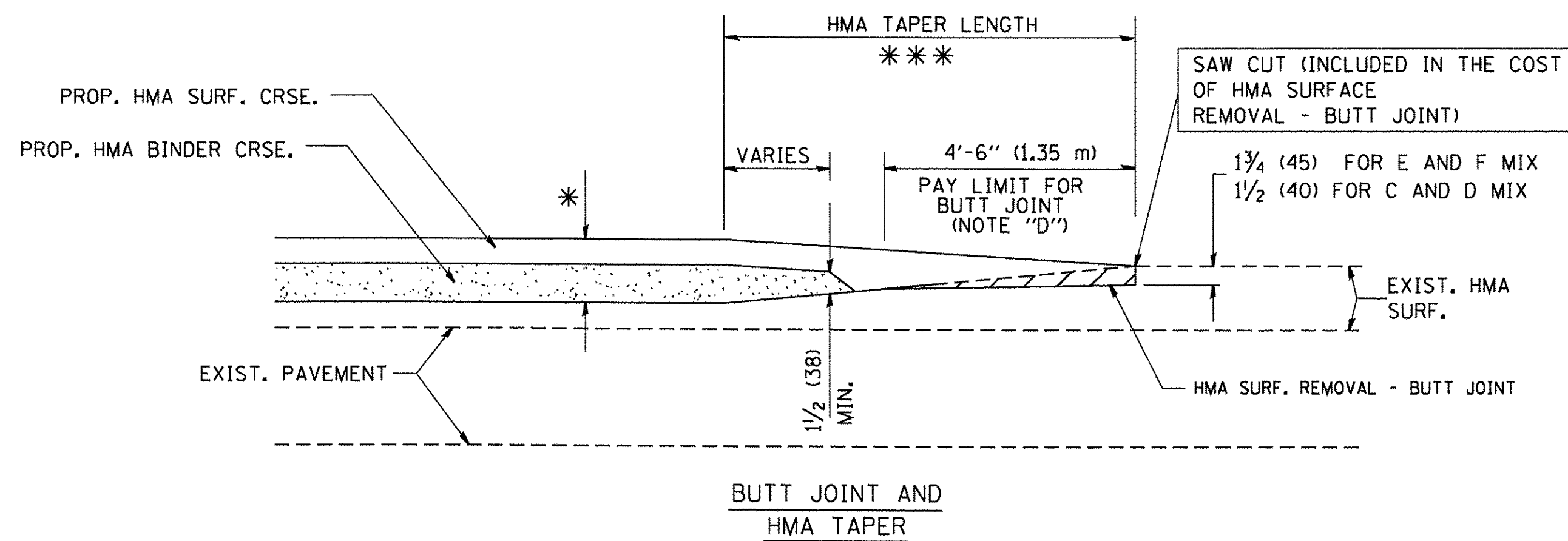


**OPTION 1**

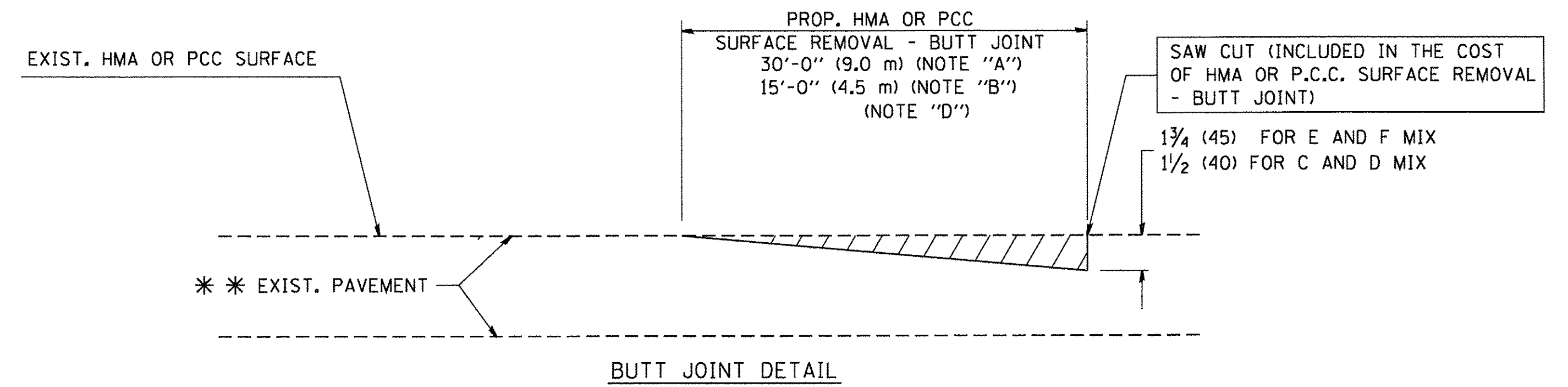


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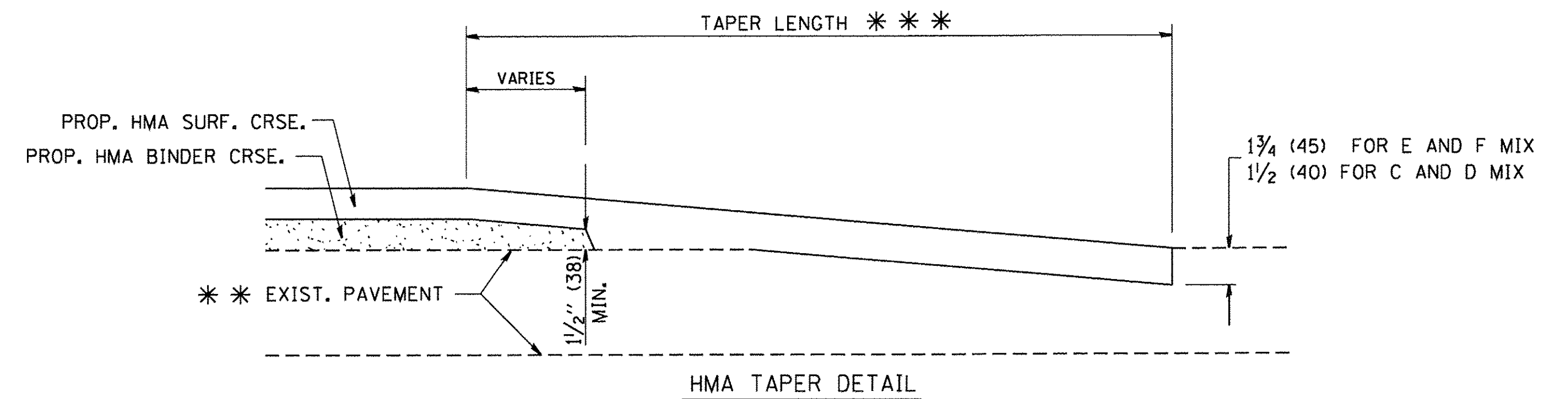
**TYPICAL TEMPORARY RAMP**



**TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING**



**BUTT JOINT DETAIL**



**HMA TAPER DETAIL**

**TYPICAL BUTT JOINT AND HMA TAPER FOR RESURFACING ONLY**

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

**NOTES**

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

\* SEE TYPICAL SECTIONS FOR MILLING THICKNESS.

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

**BASIS OF PAYMENT:**

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

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

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

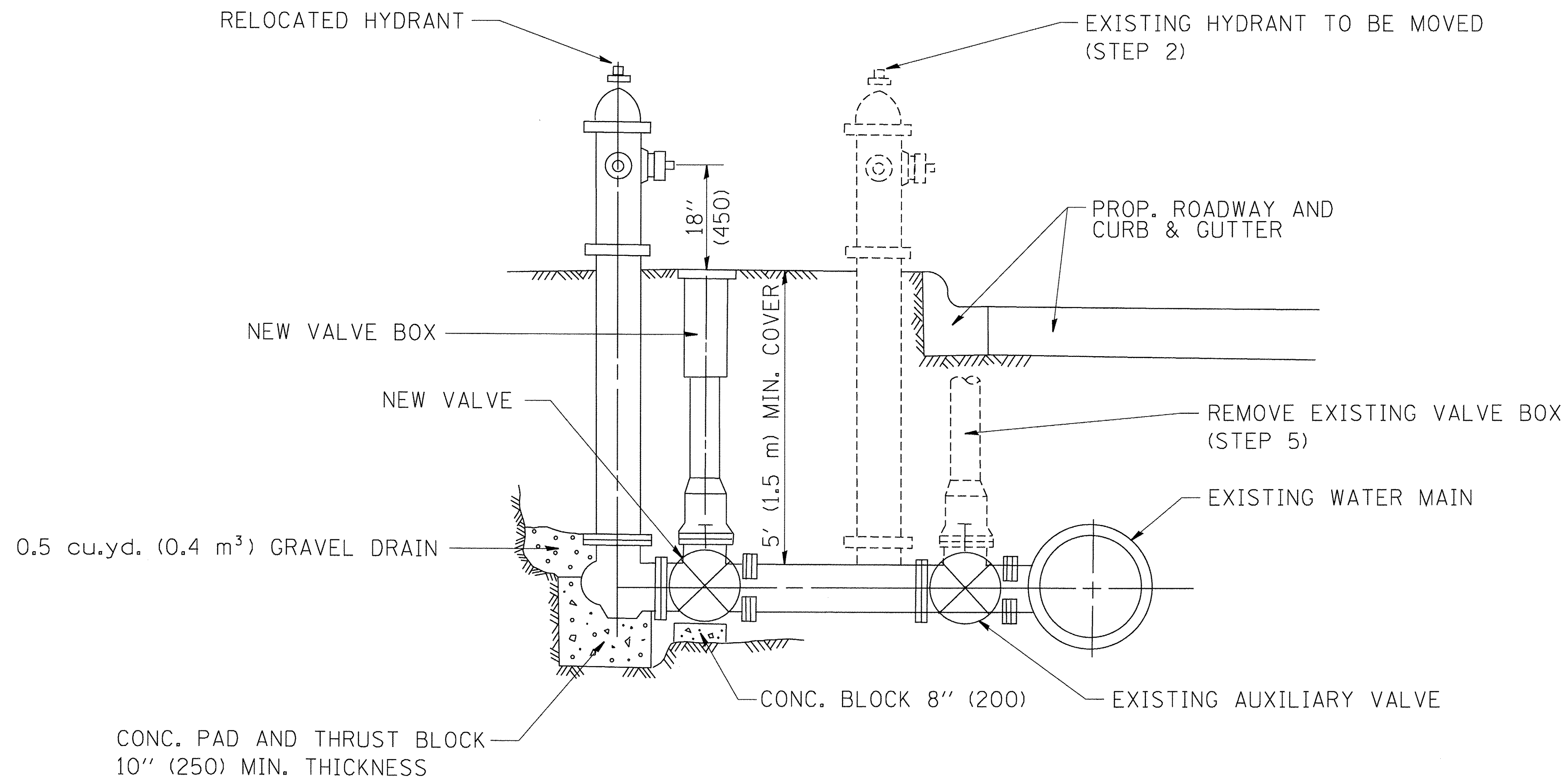
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**BUTT JOINT AND  
HMA TAPER DETAILS**

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

F.A.U. RTE. 0287 & 0384	SECTION 15-00082-00-PV	COUNTY WILL	TOTAL SHEETS 74	SHEET NO. 46
BD400-05 BD32		CONTRACT NO. 61D33		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				





SEQUENCE OF CONSTRUCTION:

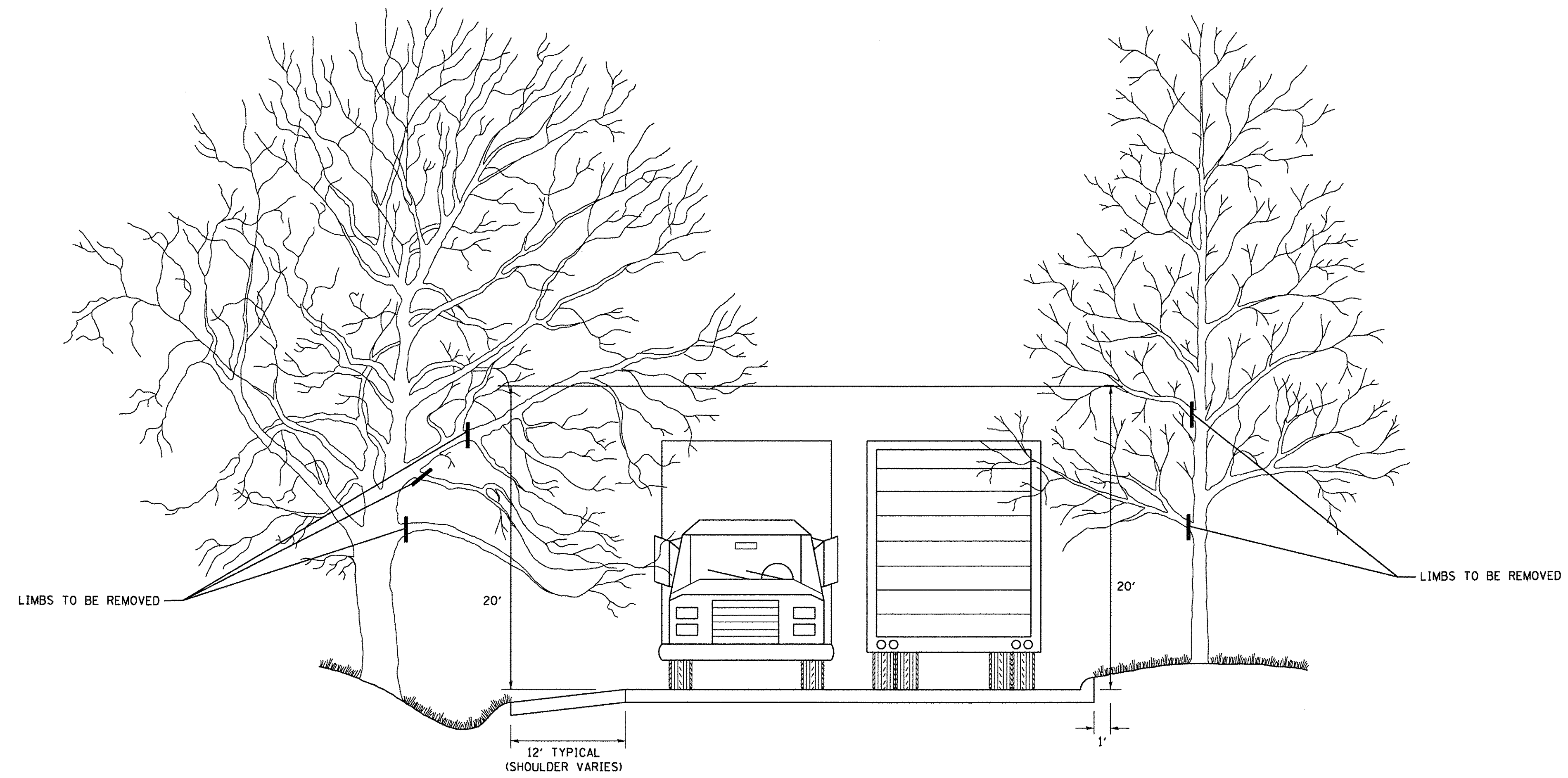
1. CLOSE EXISTING VALVE.
2. REMOVE EXISTING HYDRANT.
3. INSTALL HYDRANT EXTENSION AND NEW VALVE.
4. RELOCATE EXISTING HYDRANT.
5. OPEN EXISTING VALVE, REMOVE BOX.
6. BACKFILL.
7. FLUSH AND TEST FOR CHLORIDE RESIDUAL AND PROVIDE TEST.

ALL WORK TO BE DONE IN ACCORDANCE WITH ARTICLE 564 OF THE STANDARD SPECIFICATIONS. NEW VALVE AND BOX SHALL BE SAME MAKE AND MODEL AS EXISTING.

FIRE HYDRANT TO BE MOVED

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

FILE NAME = W:\diststd\22x34\bd36.dgn	USER NAME = gaglionobt	DESIGNED -	REVISED - R. SHAH 09-09-94	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>FIRE HYDRANT TO BE MOVED</b>			F.A.U. RTE. 0287 & 0364	SECTION 15-00082-00-PV	COUNTY VILL	TOTAL SHEETS 74	SHEET NO. 47
	PLOT SCALE = 50.0000' / IN.	CHECKED -	REVISED -		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	<b>BD-36</b>		CONTRACT NO. 61D33	
PLOT DATE = 1/4/2008	DATE -	REVISED -	FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT							



FILE NAME =  
W:\diststd\22x34\bm20.dgn

USER NAME = gaglionobt

DESIGNED -

REVISED - R. BORO 10-31-06

DRAWN -

REVISED -

PLOT SCALE = 50.000' / IN.

CHECKED -

REVISED -

PLOT DATE = 1/4/2008

DATE -

REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PRUNING FOR SAFETY AND  
EQUIPMENT CLEARANCE**

SCALE: NONE

SHEET NO. 1 OF 1 SHEETS

STA.

TO STA.

F.A.U.  
RTE.  
0287 &  
0384

SECTION

15-00082-00-PV

COUNTY

WILL

TOTAL SHEETS

74

SHEET NO.

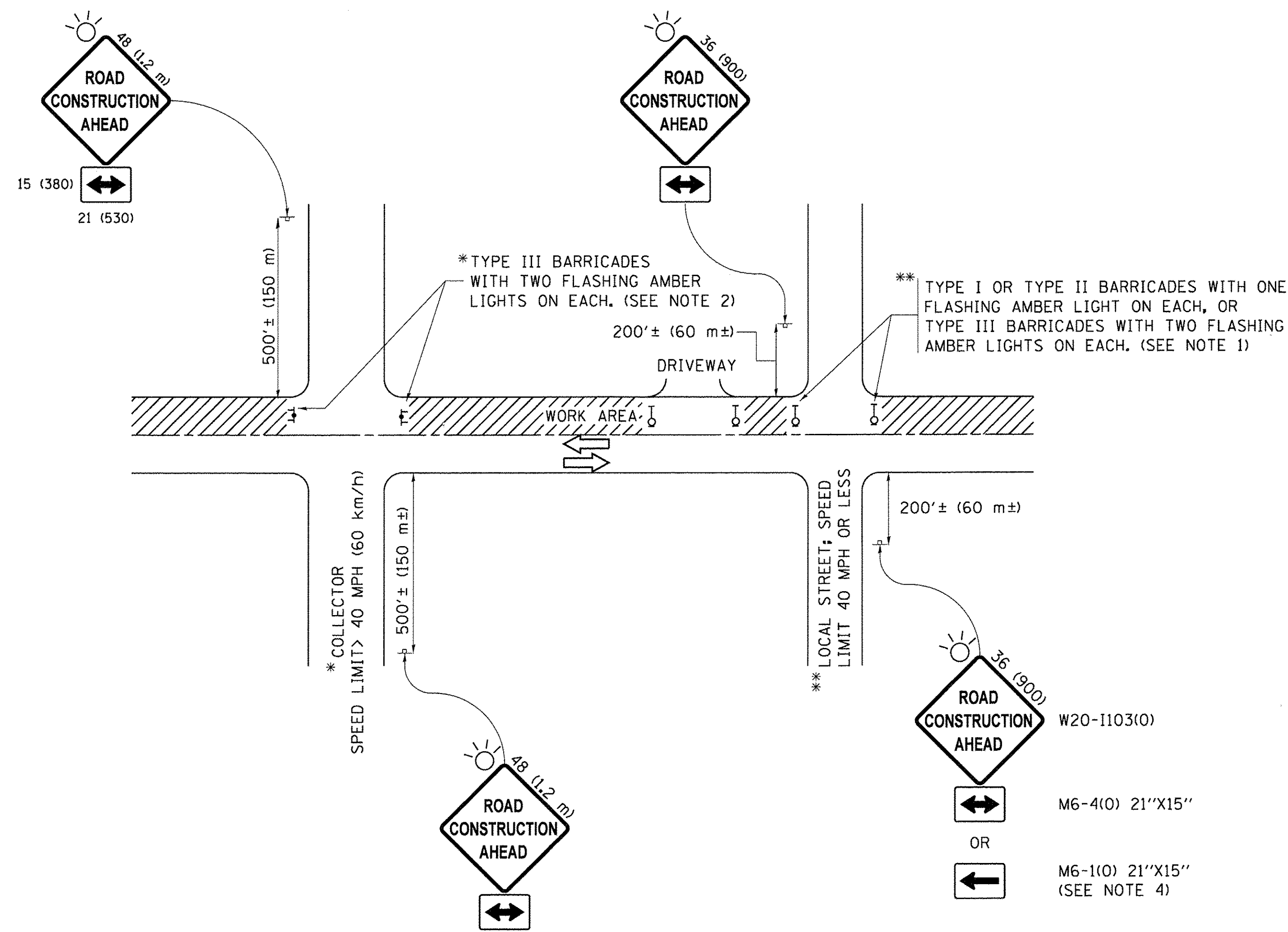
48

**BM-20**

CONTRACT NO. 61D33

FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT





**NOTES:**

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

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

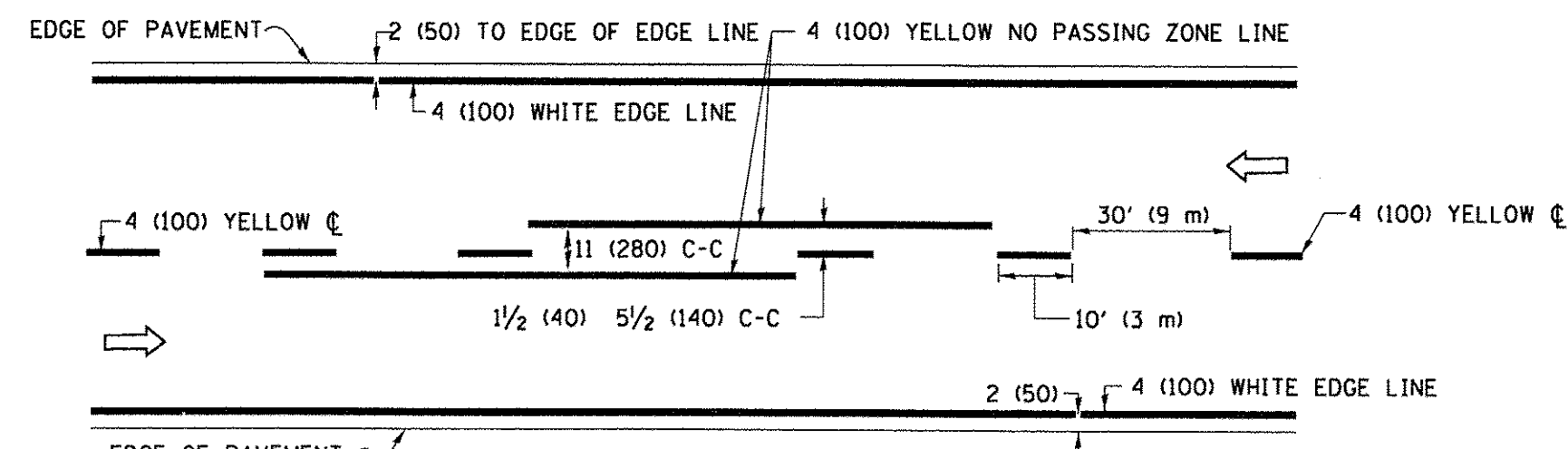
FILE NAME =	USER NAME = footemj	DESIGNED - L.H.A.	REVISED - A. HOUSEH 10-15-96
p:\IL\084EBID\INTEG.ILLINOIS.GOV\PWIDOT\Documents\DOT Offices\District 1\Projects\Dist	DRAWN\CA00Data\CADsheets\tol10.dgn	CHECKED -	REVISED - T. RAMMACHER 01-06-00
Default	PLOT DATE = 9/15/2016	DATE - 06-89	REVISED - A. SCHUETZE 09-15-16

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

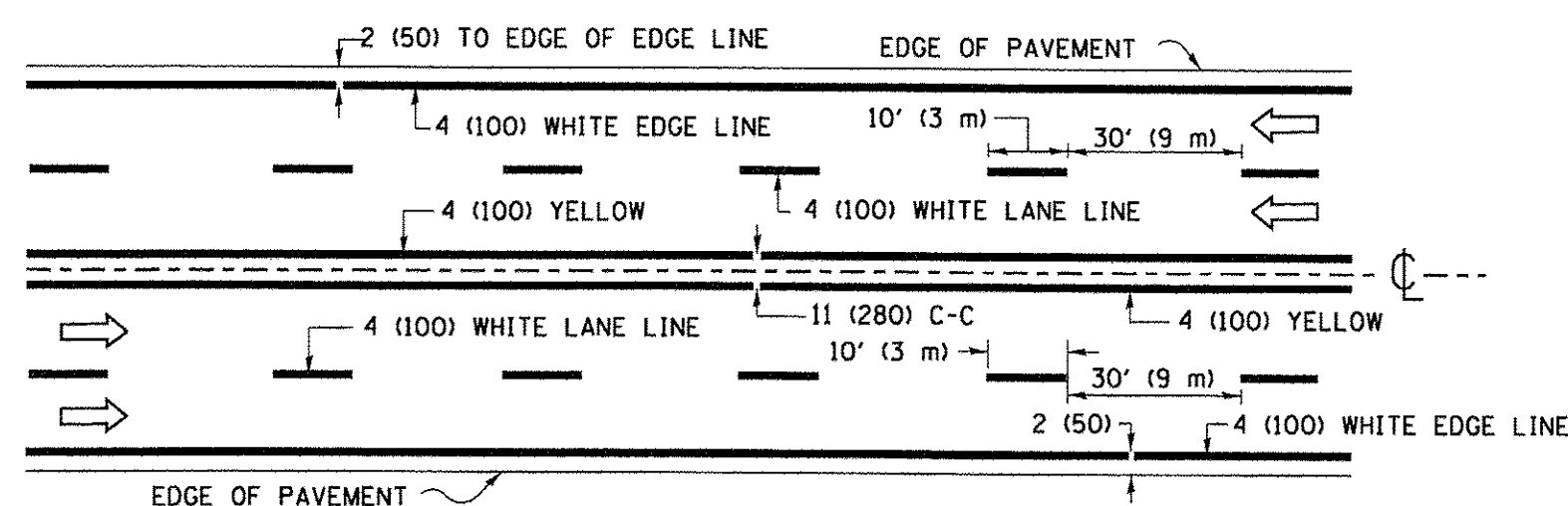
**TRAFFIC CONTROL AND PROTECTION FOR  
SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS**

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

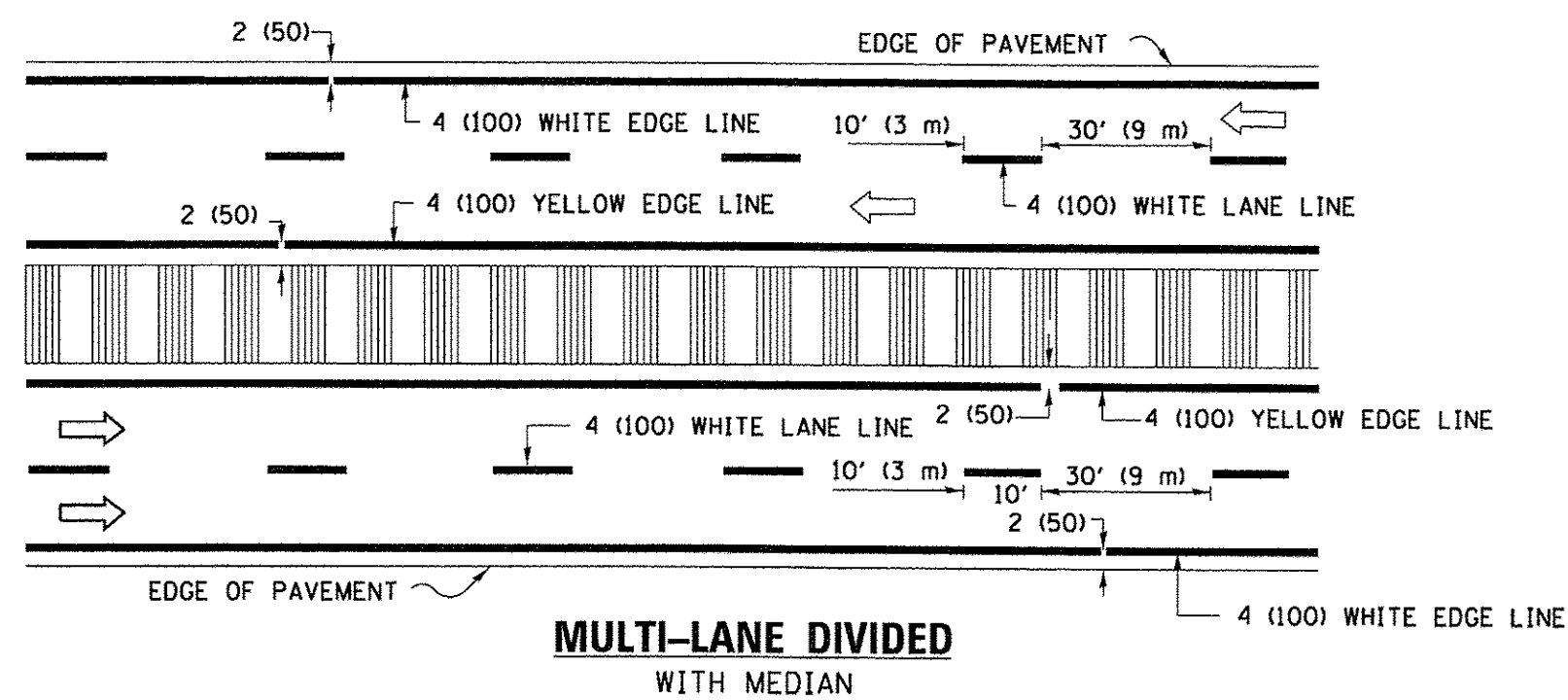
F.A.U. RTE. 0287 & 0284	SECTION 15-00082-00-PV	COUNTY WILL	TOTAL SHEETS 74	SHEET NO. 49
TC-10			CONTRACT NO. 61D33	
ILLINOIS FED. AID PROJECT				



**2-LANE ROADWAY**

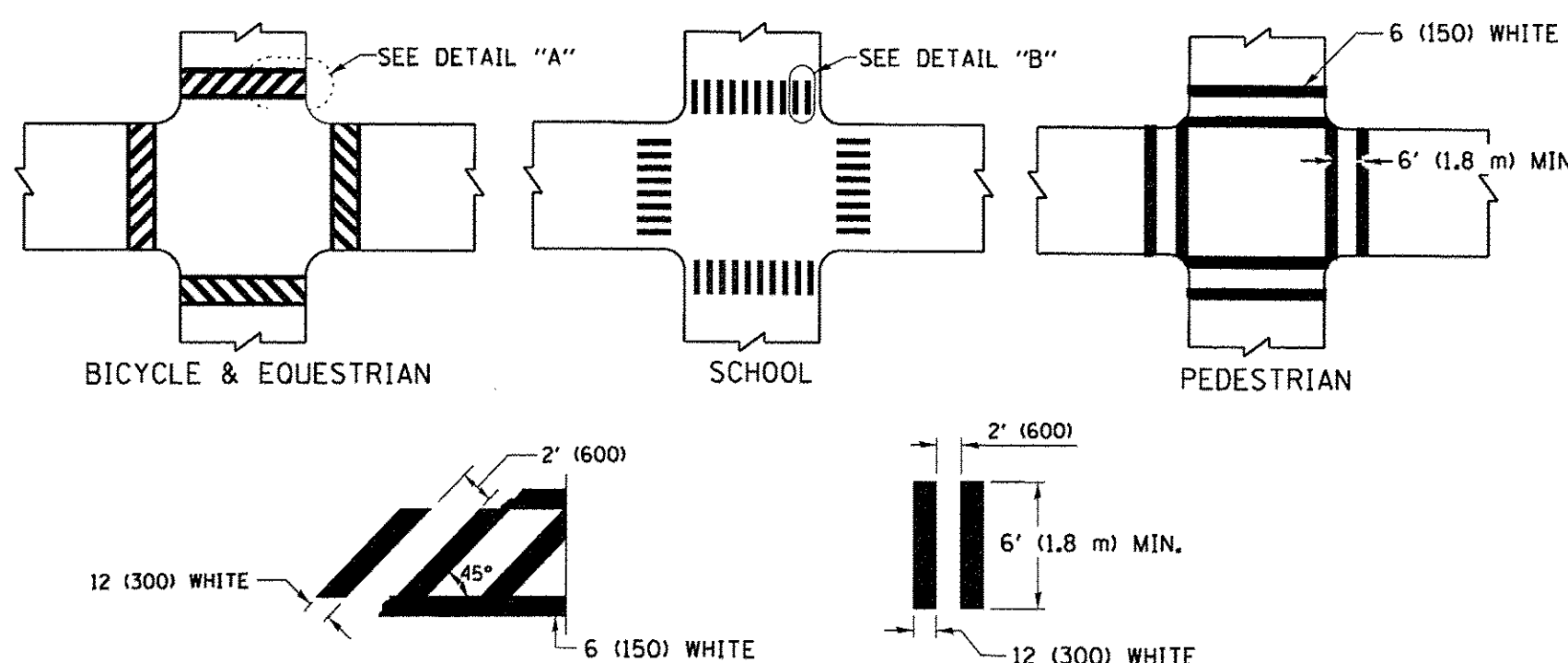


**MULTI-LANE UNDIVIDED**



**MULTI-LANE DIVIDED WITH MEDIAN**

**TYPICAL LANE AND EDGE LINE MARKING**

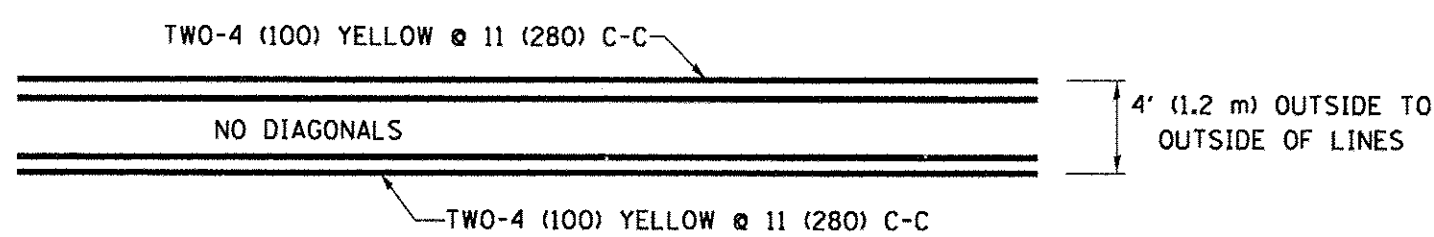


**DETAIL "A"**

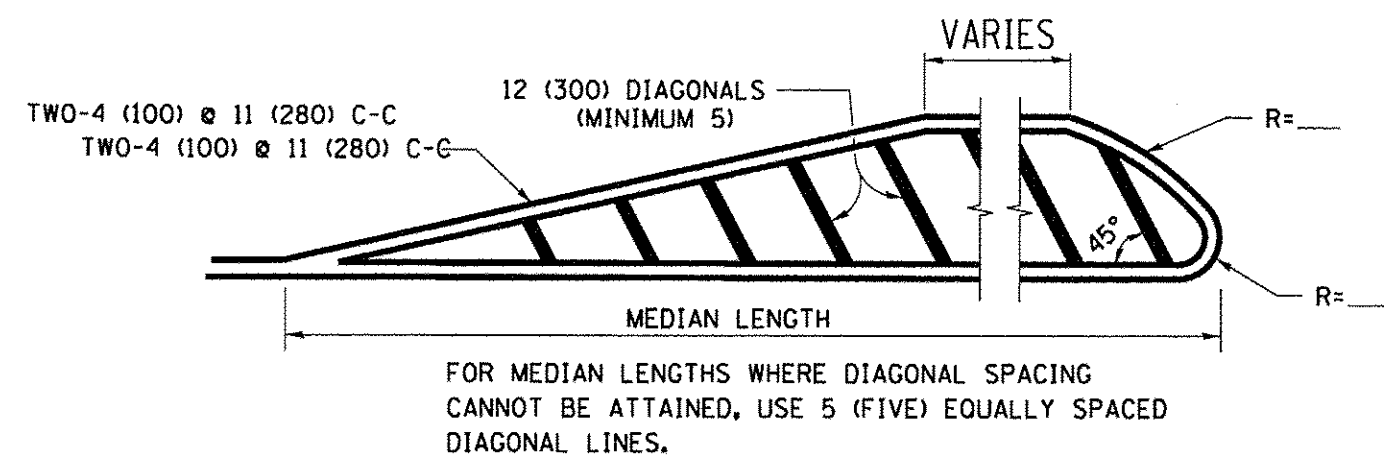
**DETAIL "B"**

**TYPICAL CROSSWALK MARKING**

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

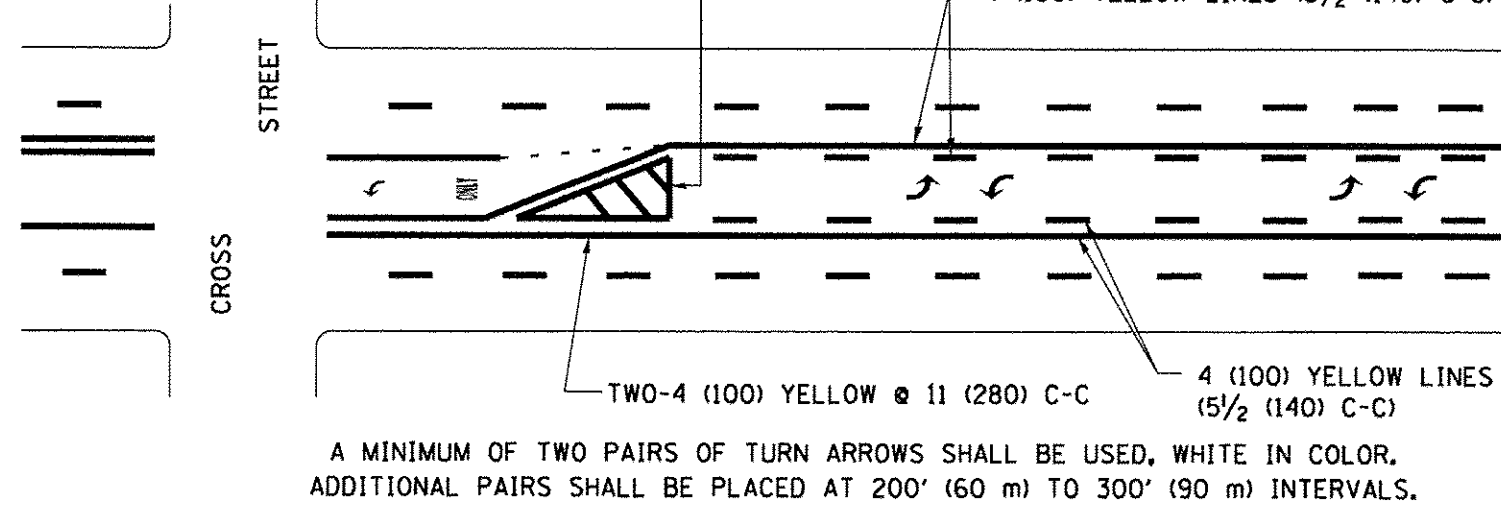


**4' (1.2 m) WIDE MEDIANS ONLY**



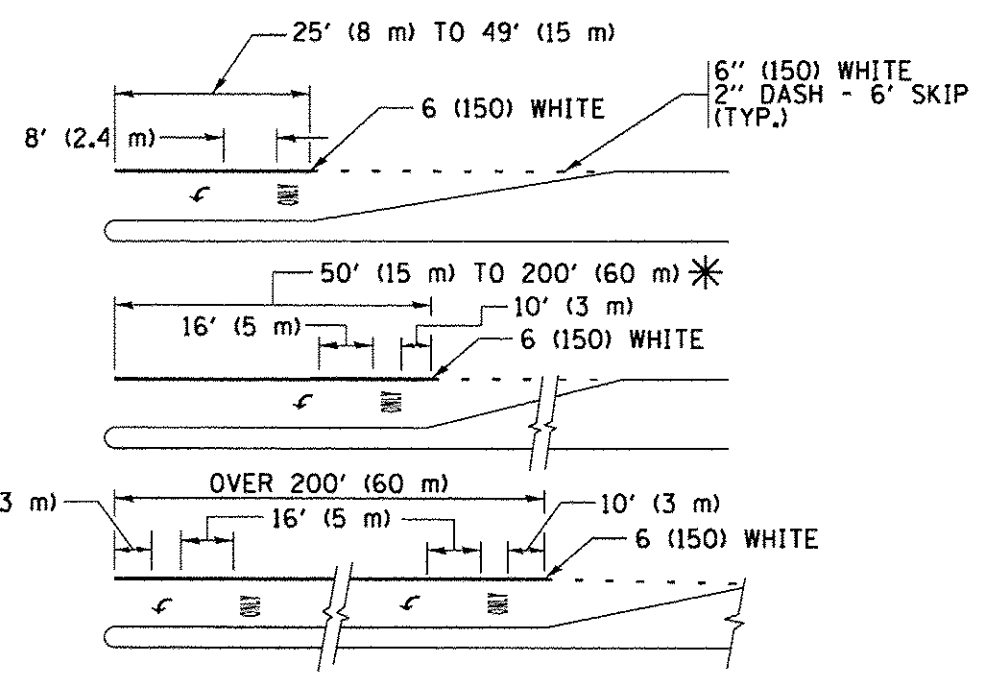
**MEDIANS OVER 4' (1.2 m) WIDE**

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



**MEDIAN WITH TWO-WAY LEFT TURN LANE**

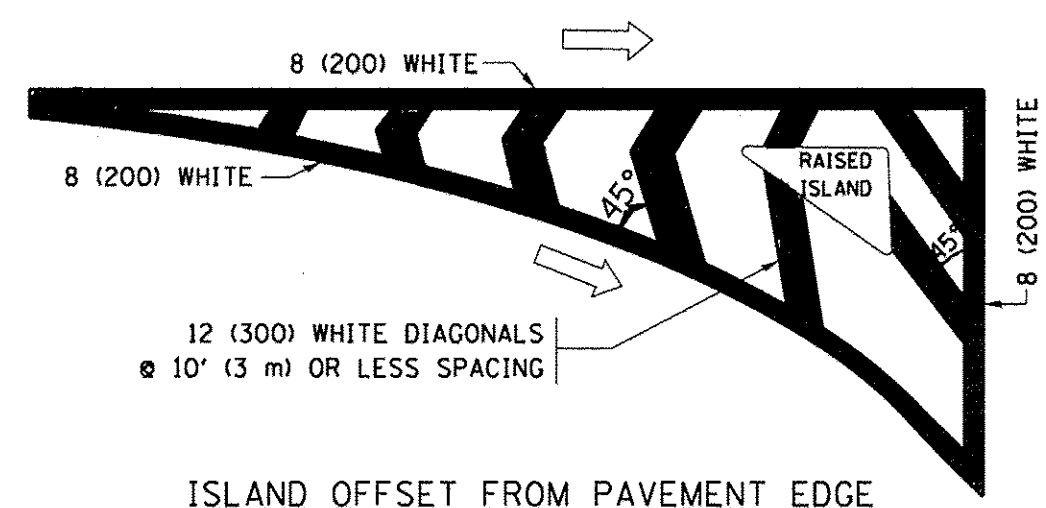
**TYPICAL PAINTED MEDIAN MARKING**



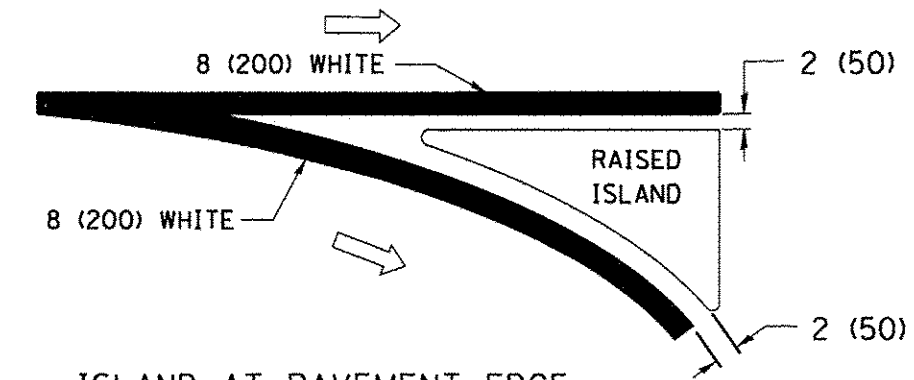
**TYPICAL LEFT (OR RIGHT) TURN LANE**

**TYPICAL TURN LANE MARKING**

FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.  
AREA = 15.6 SQ. FT. (1.5 m<sup>2</sup>) ONLY AREA = 20.8 SQ. FT. (1.9 m<sup>2</sup>)  
\* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

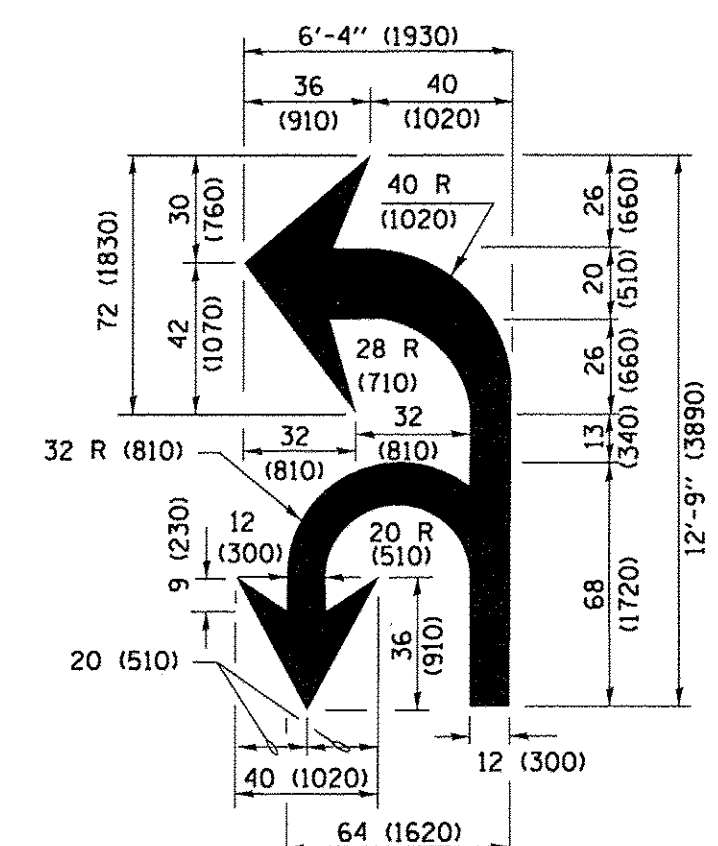


**ISLAND OFFSET FROM PAVEMENT EDGE**

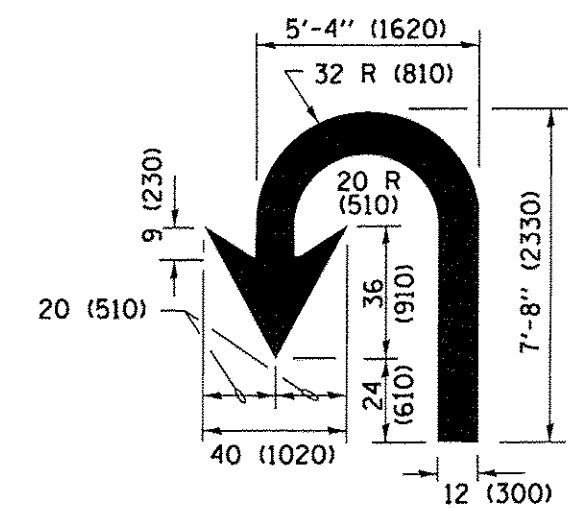


**ISLAND AT PAVEMENT EDGE**

**TYPICAL ISLAND MARKING**



**COMBINATION LEFT AND U-TURN**



**U-TURN**

**LANE REDUCTION TRANSITION**

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

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

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

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

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

FILE NAME =	USER NAME = footemj	DESIGNED - EVERS	REVISED - C. JUCIUS 09-09-09
pw:\NL084EBIDINTEG.illinois.gov\PWIDOT\Documents\DOT Offices\District 1\Projects\District 1\CADData\CADSheets\tcl3.dgn	DRAWN	CHECKED -	REVISED - C. JUCIUS 07-01-13
PLOT SCALE = 50.000' / in.	CHECKED -	DATE - 03-19-90	REVISED - C. JUCIUS 12-21-15
PLOT DATE = 4/13/2016	DATE -		REVISED - C. JUCIUS 04-12-16

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE  
TYPICAL PAVEMENT MARKINGS**

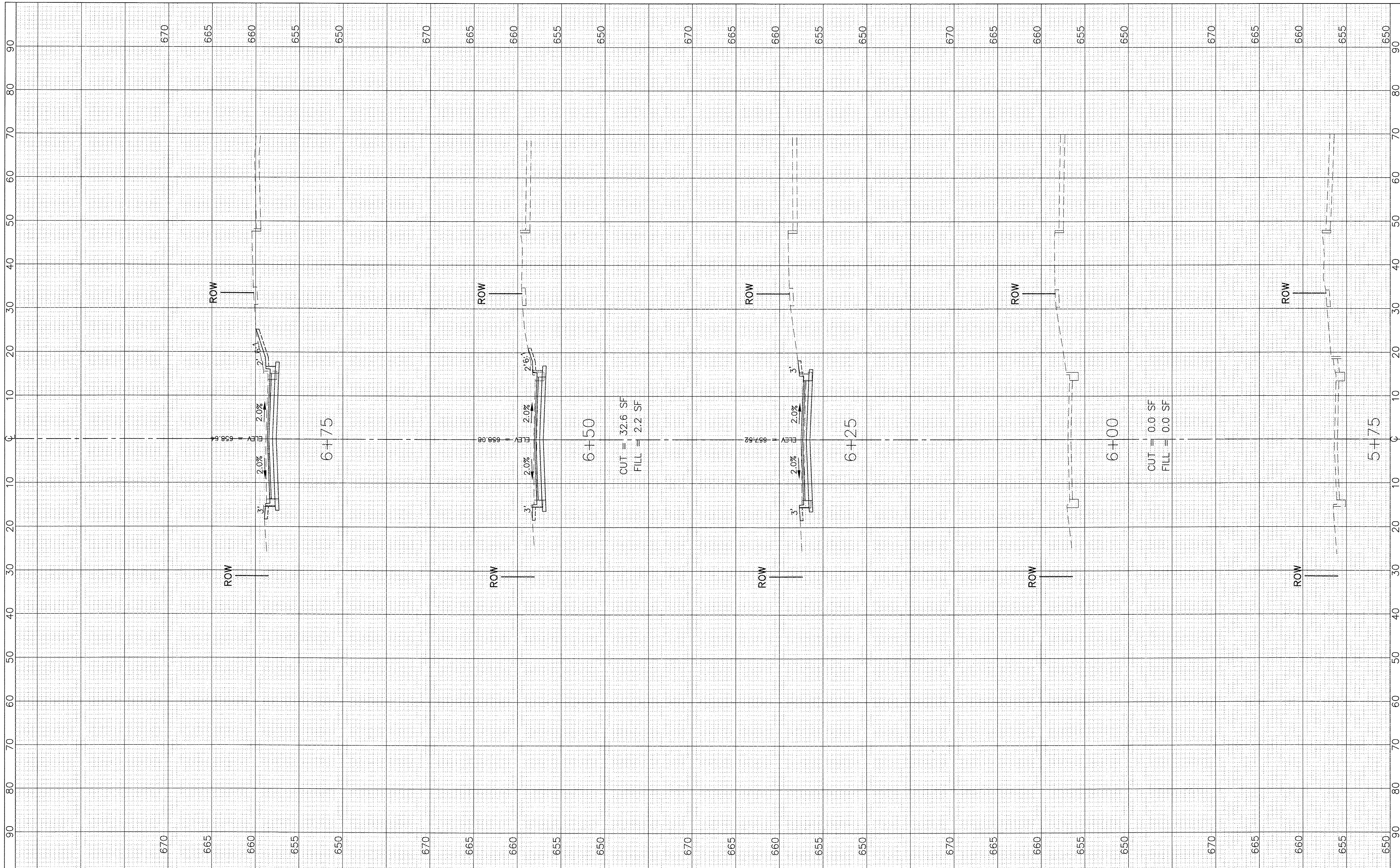
SCALE: NONE	SHEET 1 OF 1 SHEETS	STA. TO STA.
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F.A.U. RTE. 0287 & 0284	SECTION 15-00082-00-PV	COUNTY WILL	TOTAL SHEETS 74	SHEET NO. 50
TC-13			CONTRACT NO. 61D33	
ILLINOIS FED. AID PROJECT				



FINAL SURVEY NO.	SURVEYED BY	DATE

ORIGINAL SURVEY NO.	SURVEYED BY	DATE



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 Tel. (630) 719-7570 Fax (630) 719-7589

USER NAME =	DESIGNED - BDH	REVISED -
PLOT SCALE: 1"=10' HOR, 1"=5' VERT.	DRAWN - SMP	REVISED -
PLOT DATE =	CHECKED - BDH	REVISED -
	DATE - 10/07/16	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

1"=10' HOR.		SCALE: 1"=5' VERT.	
SHEET NO.	OF SHEETS	STA. 5+75 TO STA. 6+75	

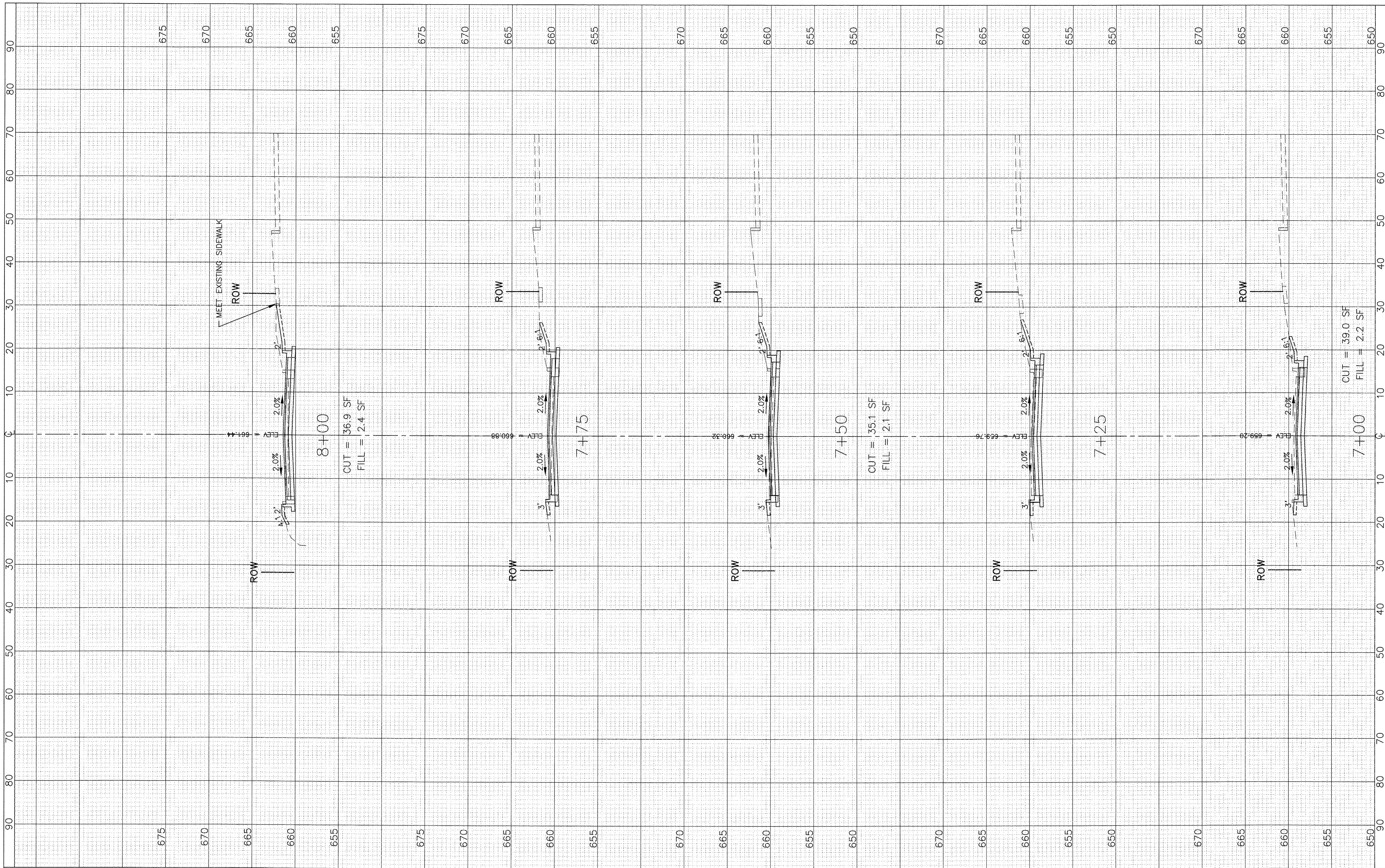
**CROSS SECTIONS  
 MacGREGOR ROAD**

F.A.U. RTE. 0287 & 0364	SECTION 15-00082-00-PV	COUNTY WILL	TOTAL SHEETS 74	SHEET NO. 51
CONTRACT NO. 61D33			ILLINOIS FED. AID PROJECT	



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

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



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PLOT DATE =	CHECKED - BDH	REVISED -
	DATE - 10/07/16	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

1"=10' HOR	
SCALE: 1"=5' VERT.	
SHEET NO.	OF SHEETS
STA. 7+00 TO STA. 8+00	

**CROSS SECTIONS  
MacGREGOR ROAD**

F.A.U. RTE. 0987 & 0364	SECTION 15-00082-00-PV	COUNTY WILL	TOTAL SHEETS 74	SHEET NO. 52
ILLINOIS FED. AID PROJECT				CONTRACT NO. 61D33

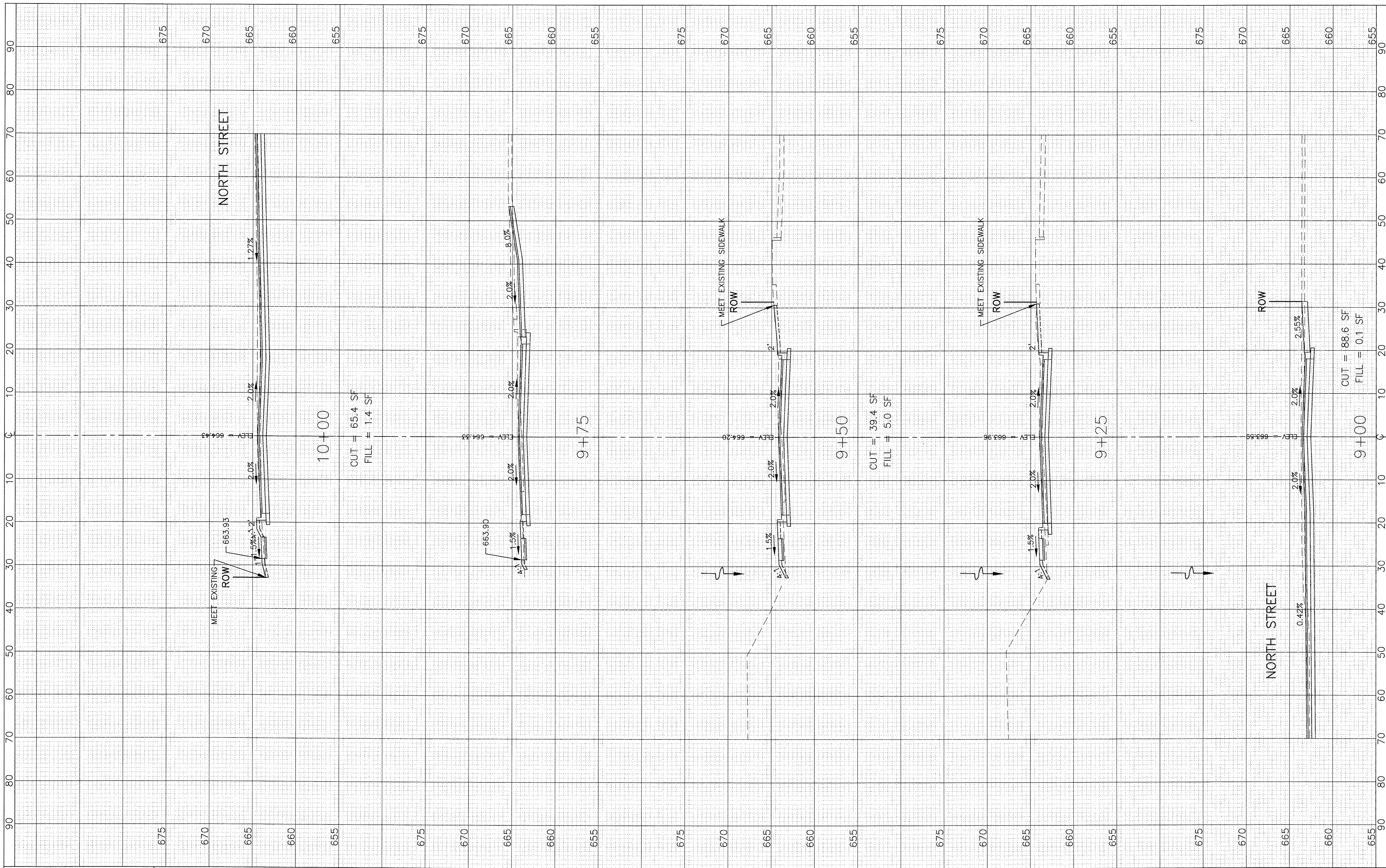






FINAL SURVEY NO.	BY	DATE
SURVEYED		
PLOTTED		
TEMPLATE		
NOTE BOOK		
AREAS CHECKED		

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



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PLOT SCALE: 1"=10' HOR, 1"=5' VERT.	DRAWN - SMP	REVISED -
PLOT DATE =	CHECKED - BDH	REVISED -
	DATE - 10/07/16	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

SCALE: 1"=5' VERT.		SHEET NO. OF SHEETS		STA. 9+00 TO STA. 10+00	
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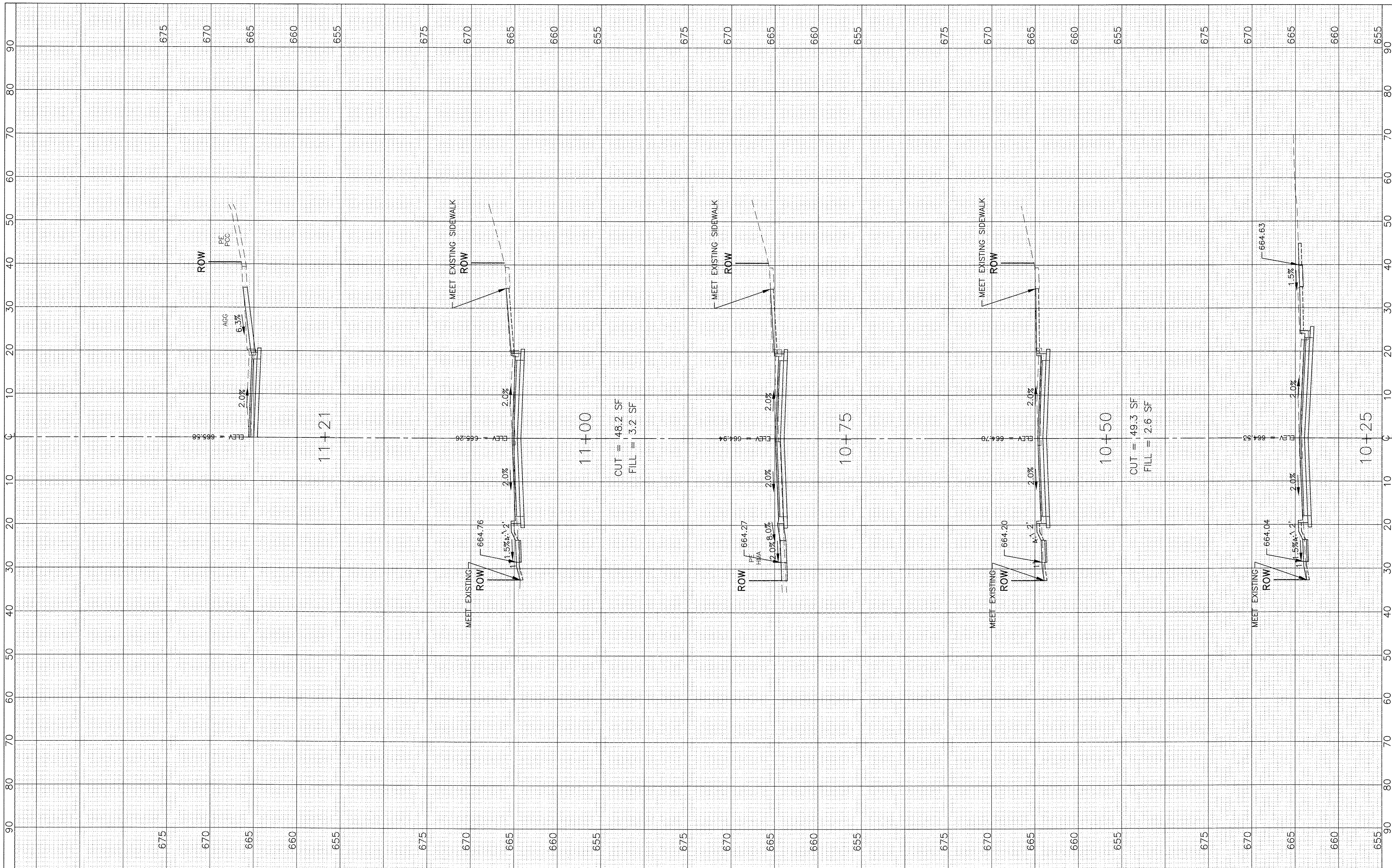
**CROSS SECTIONS  
MacGREGOR ROAD**

F.A.U. RTE. 0287 & 0364	SECTION 15-00082-00-PV	COUNTY WILL	TOTAL SHEETS 74	SHEET NO. 54
CONTRACT NO. 61D33			ILLINOIS FED. AID PROJECT	



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

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



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PLOT SCALE: 1"=10' HOR, 1"=5' VERT.	DRAWN - SMP	REVISED -
PLOT DATE =	CHECKED - BDH	REVISED -
	DATE - 10/07/16	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

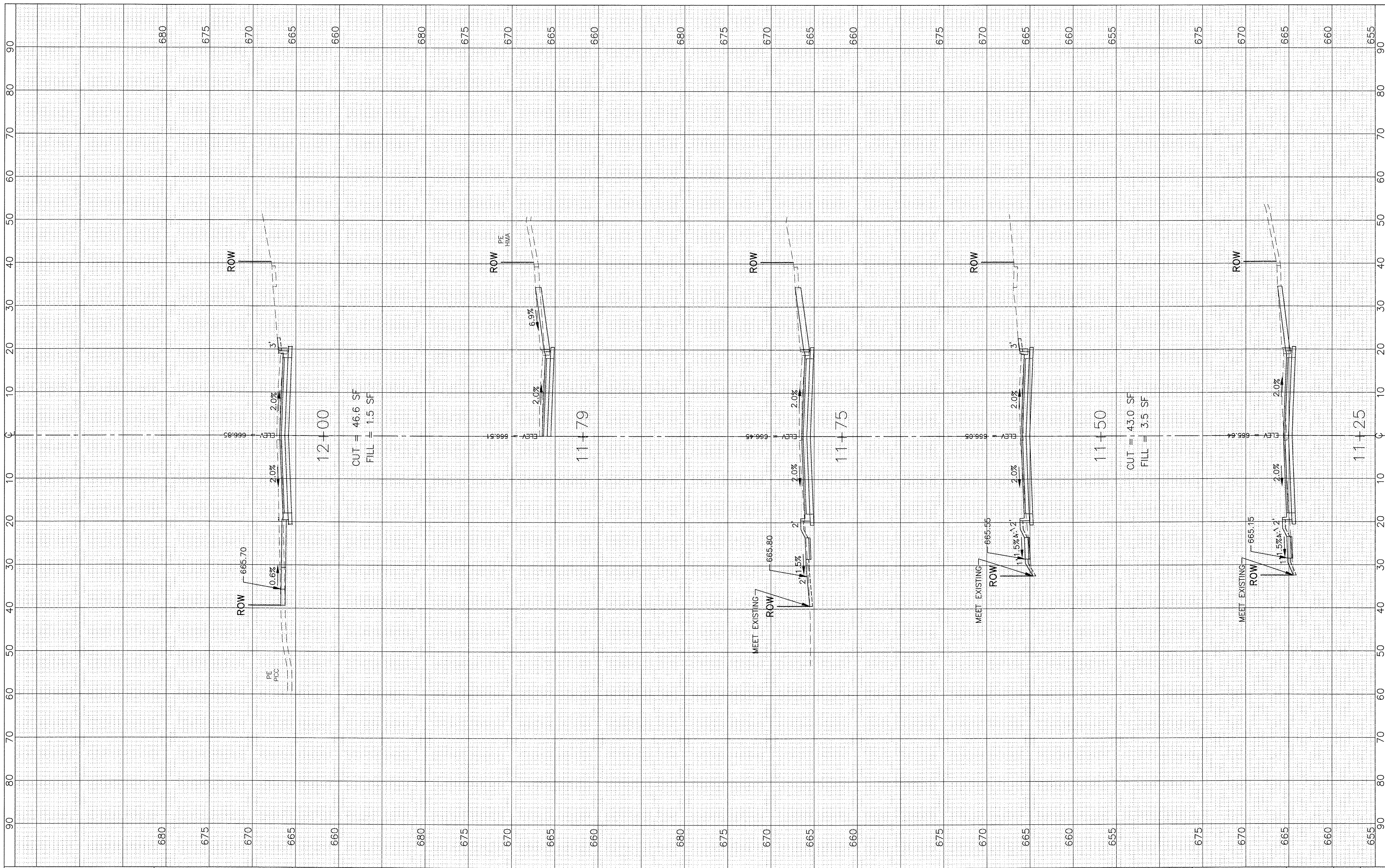
**CROSS SECTIONS  
 MacGREGOR ROAD**  
 1"=10' HOR.  
 SCALE: 1"=5' VERT. SHEET NO. OF SHEETS STA. 10+25 TO STA. 11+21

F.A.U. RTE. 0287 & 0364	SECTION 15-0082-00-PV	COUNTY WILL	TOTAL SHEETS 74	SHEET NO. 55
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61D33	



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

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



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PLOT SCALE: 1"=10' HOR, 1"=5' VERT.	DRAWN - SMP	REVISED -
PLOT DATE =	CHECKED - BDH	REVISED -
	DATE - 10/07/16	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

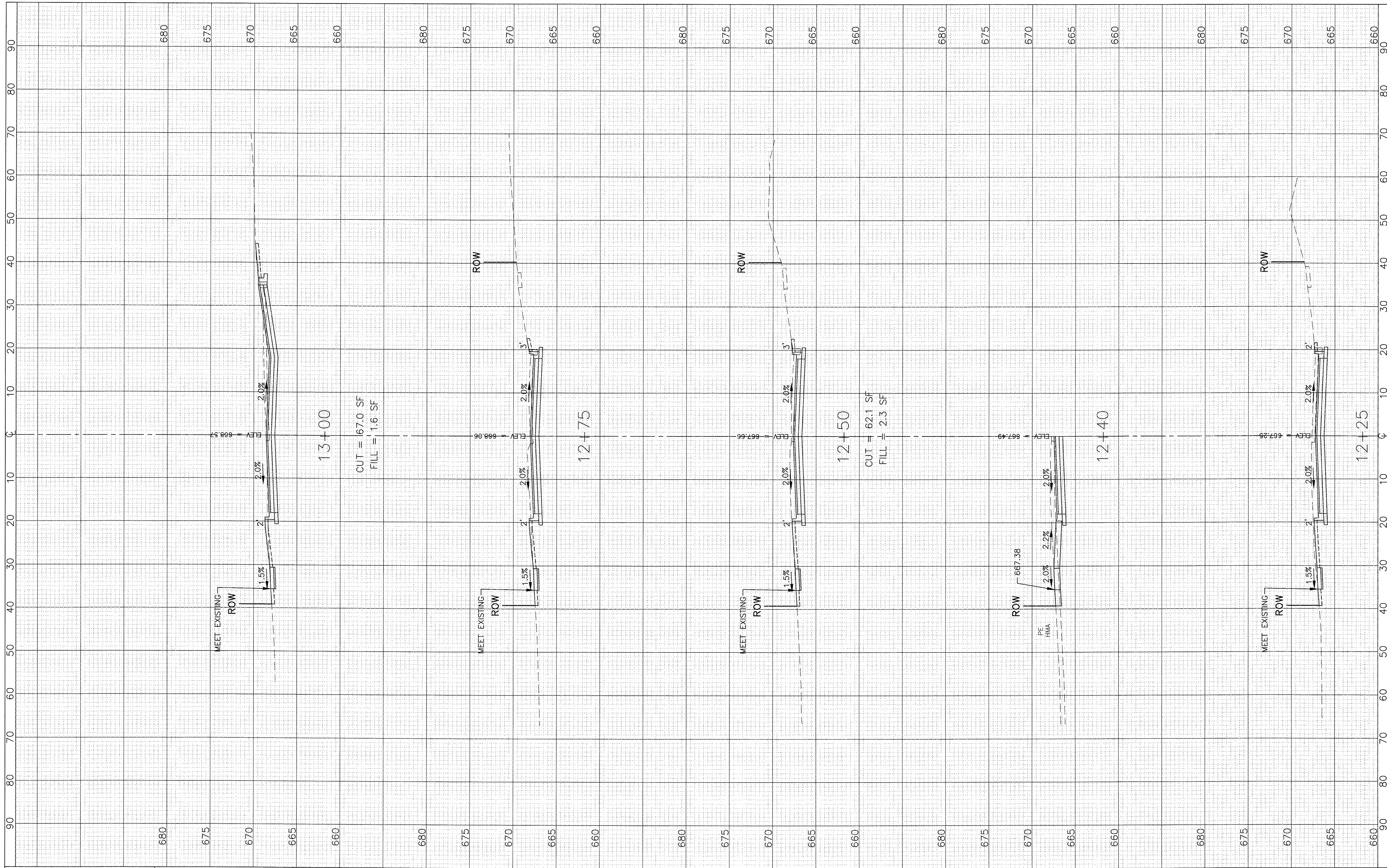
<b>CROSS SECTIONS</b>	
<b>MacGREGOR ROAD</b>	
1"=10' HOR.	SHEET NO. OF SHEETS
SCALE: 1"=5' VERT.	STA. 11+25 TO STA. 12+00

F.A.U. RTE. 0287 & 0364	SECTION 15-00082-00-PV	COUNTY WILL	TOTAL SHEETS 74	SHEET NO. 56
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61D33	



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

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



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PLOT SCALE: 1"=10' HOR, 1"=5' VERT.	DRAWN - SMP	REVISED -
PLOT DATE =	CHECKED - BDH	REVISED -
	DATE - 10/07/16	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

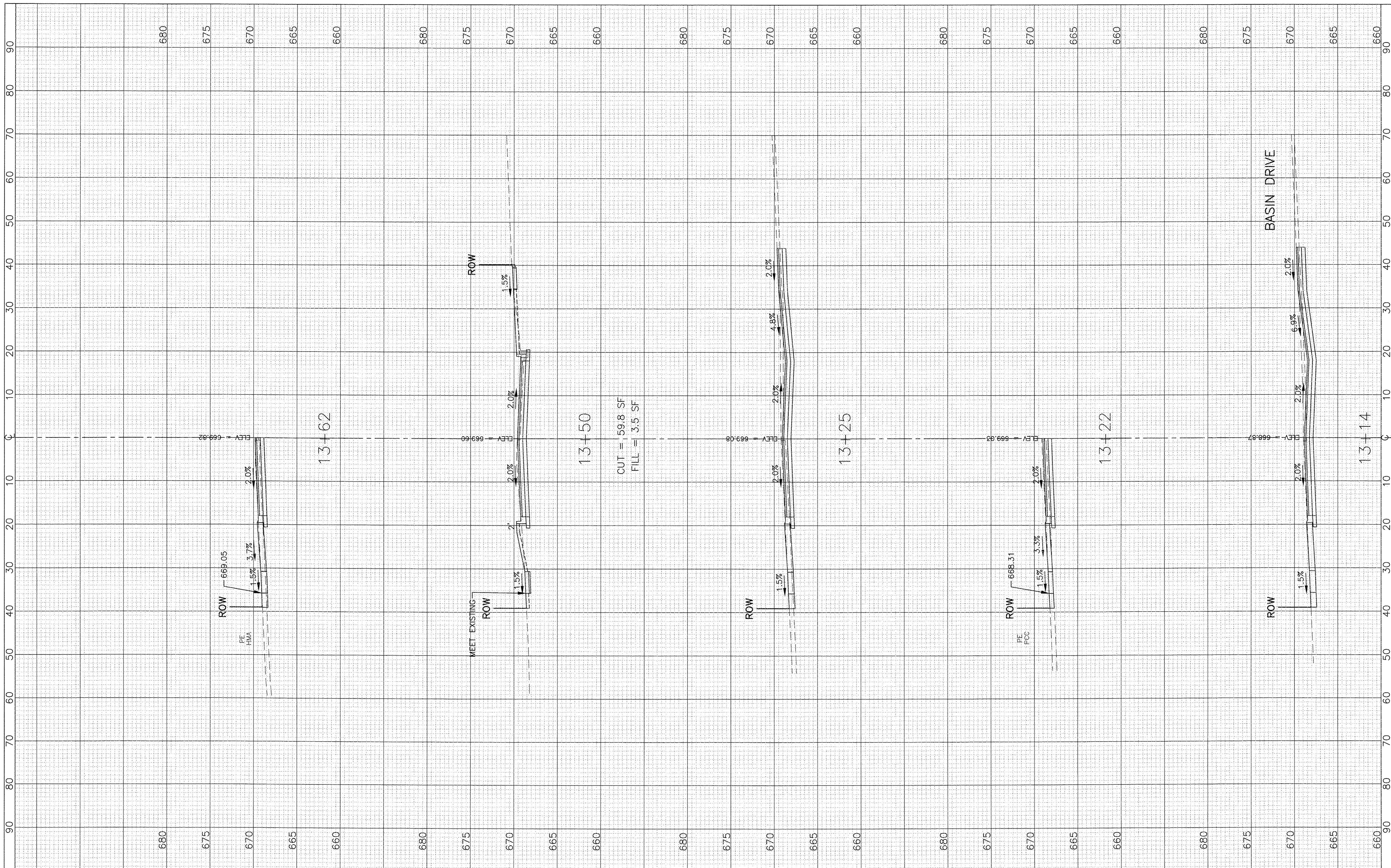
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SCALE: 1"=5' VERT.		<b>MacGREGOR ROAD</b>	
SHEET NO.	OF SHEETS	SECTION	15-00082-00-PV
		COUNTY	WILL
		TOTAL SHEETS	74
		SHEET NO.	57
STA. 12+25 TO STA. 13+00			

F.A.U. RTE. 0287 & 0364	SECTION 15-00082-00-PV	COUNTY WILL	TOTAL SHEETS 74	SHEET NO. 57
CONTRACT NO. 61D33				
ILLINOIS FED. AID PROJECT				



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

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



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PLOT SCALE: 1"=10' HOR, 1"=5' VERT.	DRAWN - SMP	REVISED -
PLOT DATE =	CHECKED - BDH	REVISED -
	DATE - 10/07/16	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

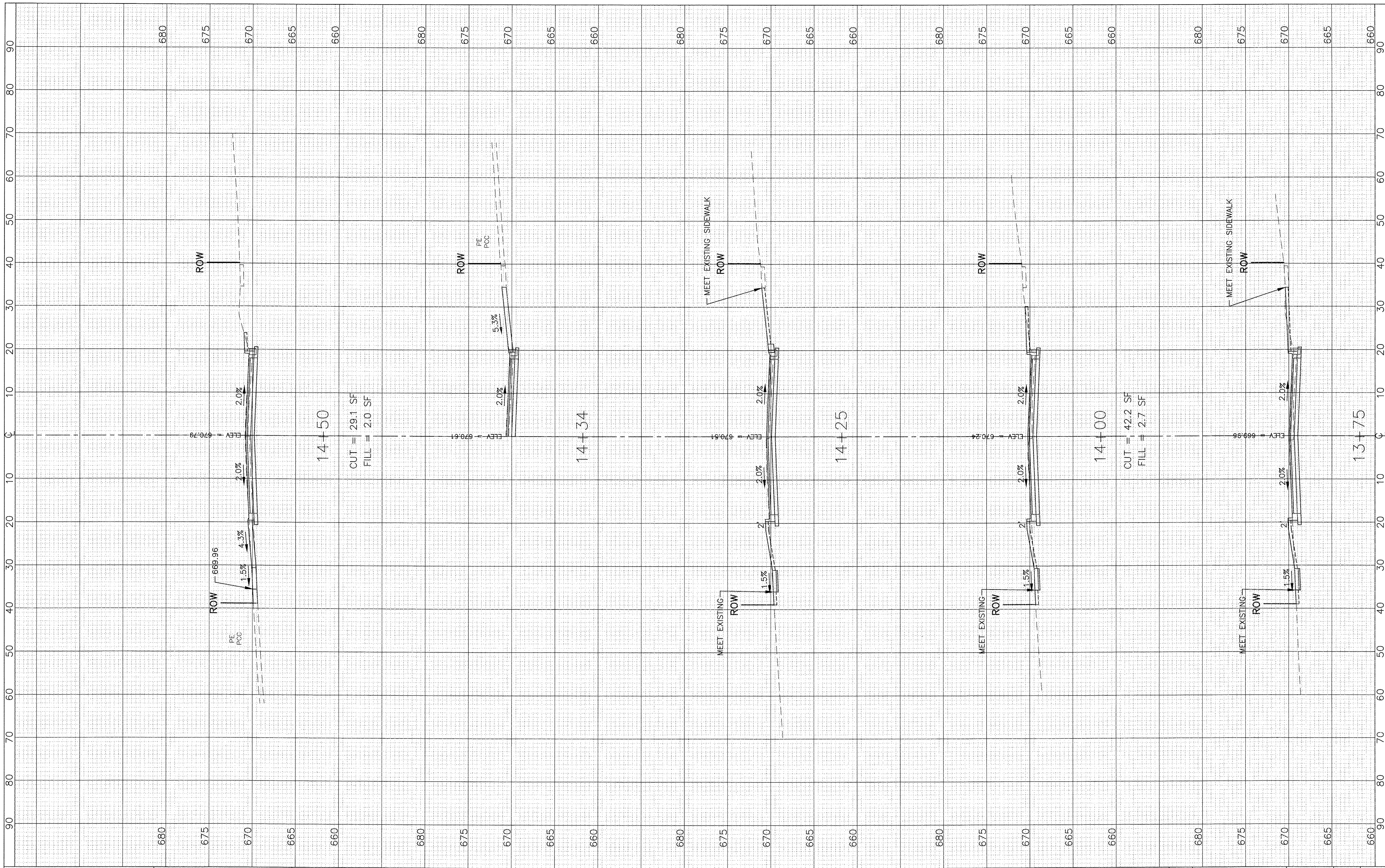
<b>CROSS SECTIONS</b>	
<b>MacGREGOR ROAD</b>	
SCALE: 1"=5' VERT.	SHEET NO. OF SHEETS
STA. 13+14 TO STA. 13+62	

F.A.U. RTE. 0287 & 0364	SECTION 15-00082-00-PV	COUNTY WILL	TOTAL SHEETS 74	SHEET NO. 58
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61D33	



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

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



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PLOT SCALE: 1"=10' HOR, 1"=5' VERT.	DRAWN - SMP	REVISED -
PLOT DATE =	CHECKED - BDH	REVISED -
	DATE - 10/07/16	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS  
MacGREGOR ROAD**

1"=10' HOR.  
SCALE: 1"=5' VERT.

SHEET NO. OF SHEETS

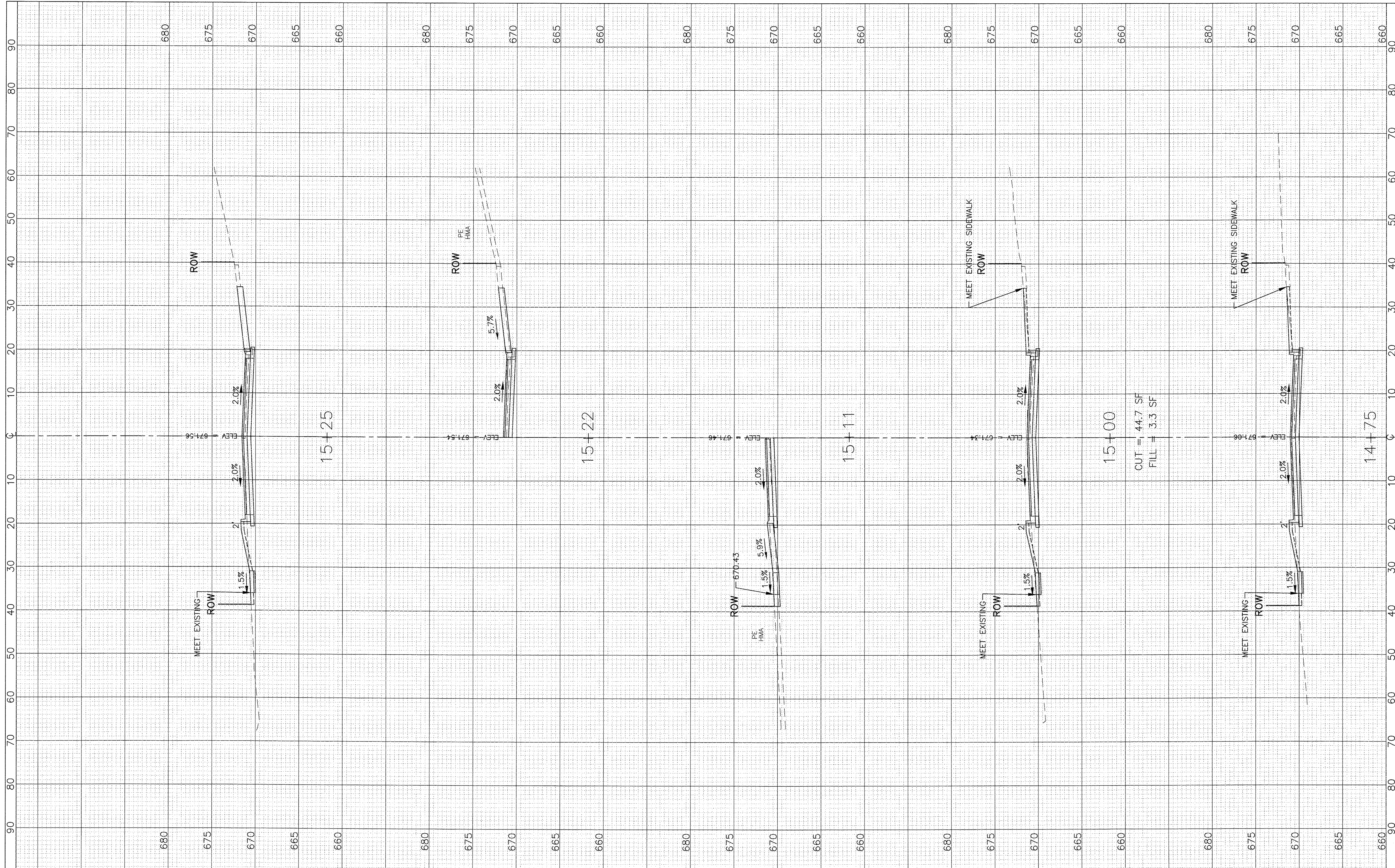
STA. 13+75 TO STA. 14+50

F.A.U. RT# 0287 & 0364	SECTION 15-00082-00-PV	COUNTY WILL	TOTAL SHEETS 74	SHEET NO. 59
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61D33	



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

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



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PLOT SCALE: 1"=10' HOR, 1"=5' VERT.	DRAWN - SMP	REVISED -
PLOT DATE =	CHECKED - BDH	REVISED -
	DATE - 10/07/16	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

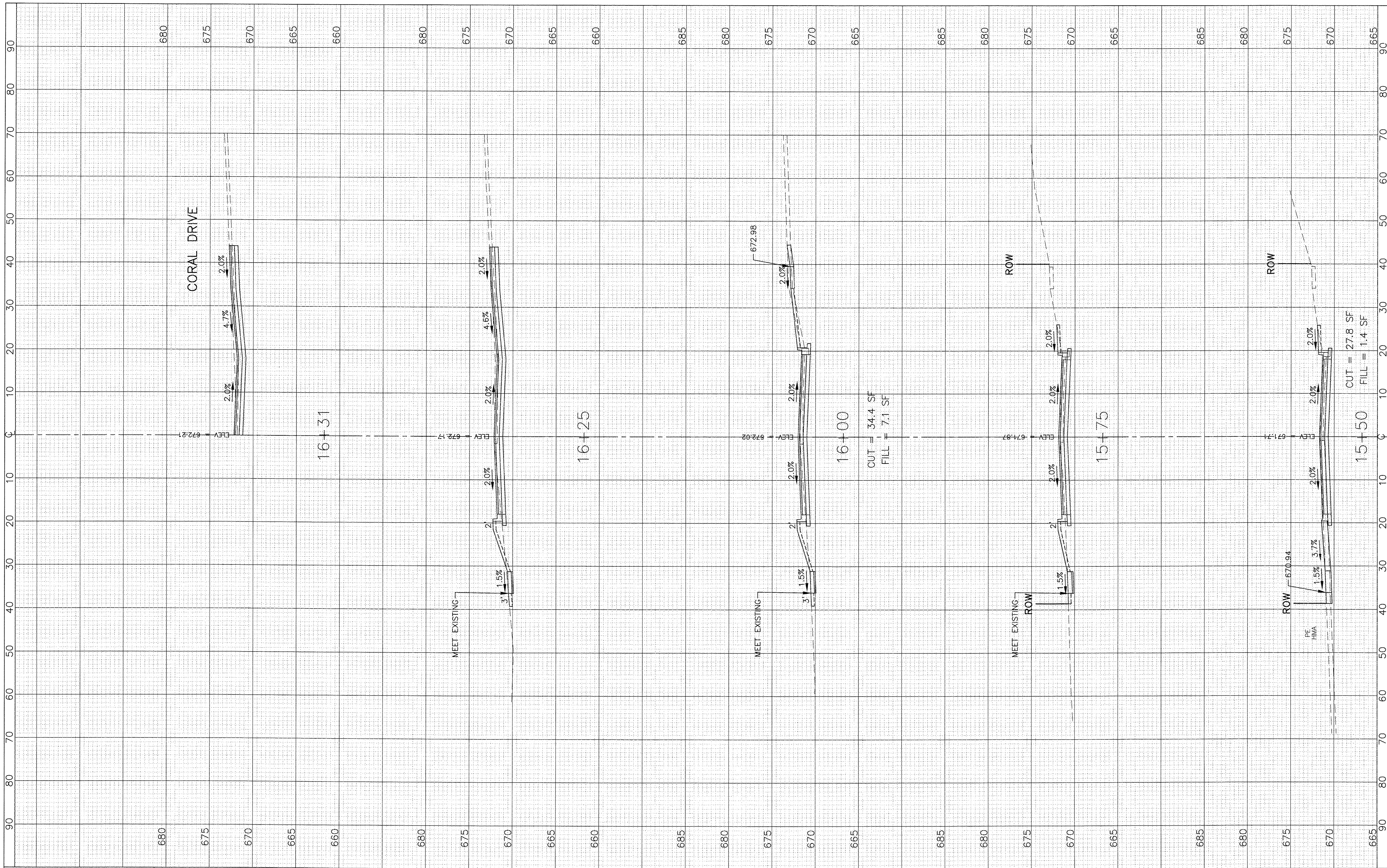
<b>CROSS SECTIONS</b>	
<b>MacGREGOR ROAD</b>	
1"=10' HOR.	SHEET NO. OF SHEETS
SCALE: 1"=5' VERT.	STA. 14+75 TO STA. 15+25

F.A.U. RT# 0287 & 0364	SECTION 15-00082-00-PV	COUNTY WILL	TOTAL SHEETS 74	SHEET NO. 60
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61D33	



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

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



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PLOT SCALE: 1"=10' HOR, 1"=5' VERT.	DRAWN - SMP	REVISED -
PLOT DATE =	CHECKED - BDH	REVISED -
	DATE - 10/07/16	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

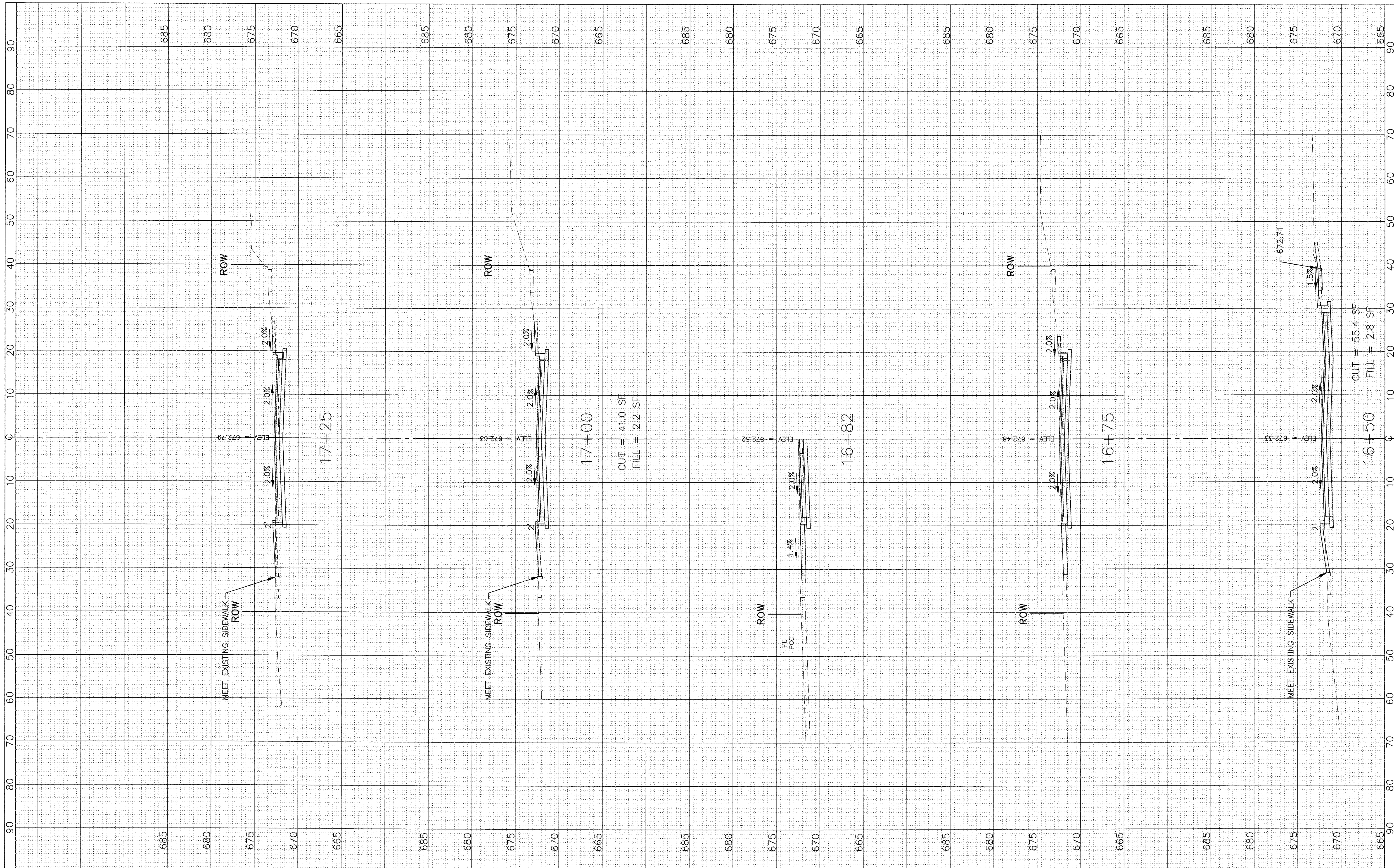
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SHEET NO.	OF SHEETS	STA. 15+50 TO STA. 16+31

F.A.U. RTE. 6987 & 6364	SECTION 15-00082-00-PV	COUNTY WILL	TOTAL SHEETS 74	SHEET NO. 61
CONTRACT NO. 61D33				ILLINOIS FED. AID PROJECT



FINAL SURVEY NO.	SURVEYED	BY	DATE
NO.	PLOTTED		
	TEMPLATE		
	AREAS CHECKED		

ORIGINAL SURVEY NO.	SURVEYED	BY	DATE
NO.	PLOTTED		
	TEMPLATE		
	AREAS CHECKED		



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PLOT SCALE: 1"=10' HOR, 1"=5' VERT.	DRAWN - SMP	REVISED -
PLOT DATE =	CHECKED - BDH	REVISED -
	DATE - 10/07/16	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS  
 MacGREGOR ROAD**

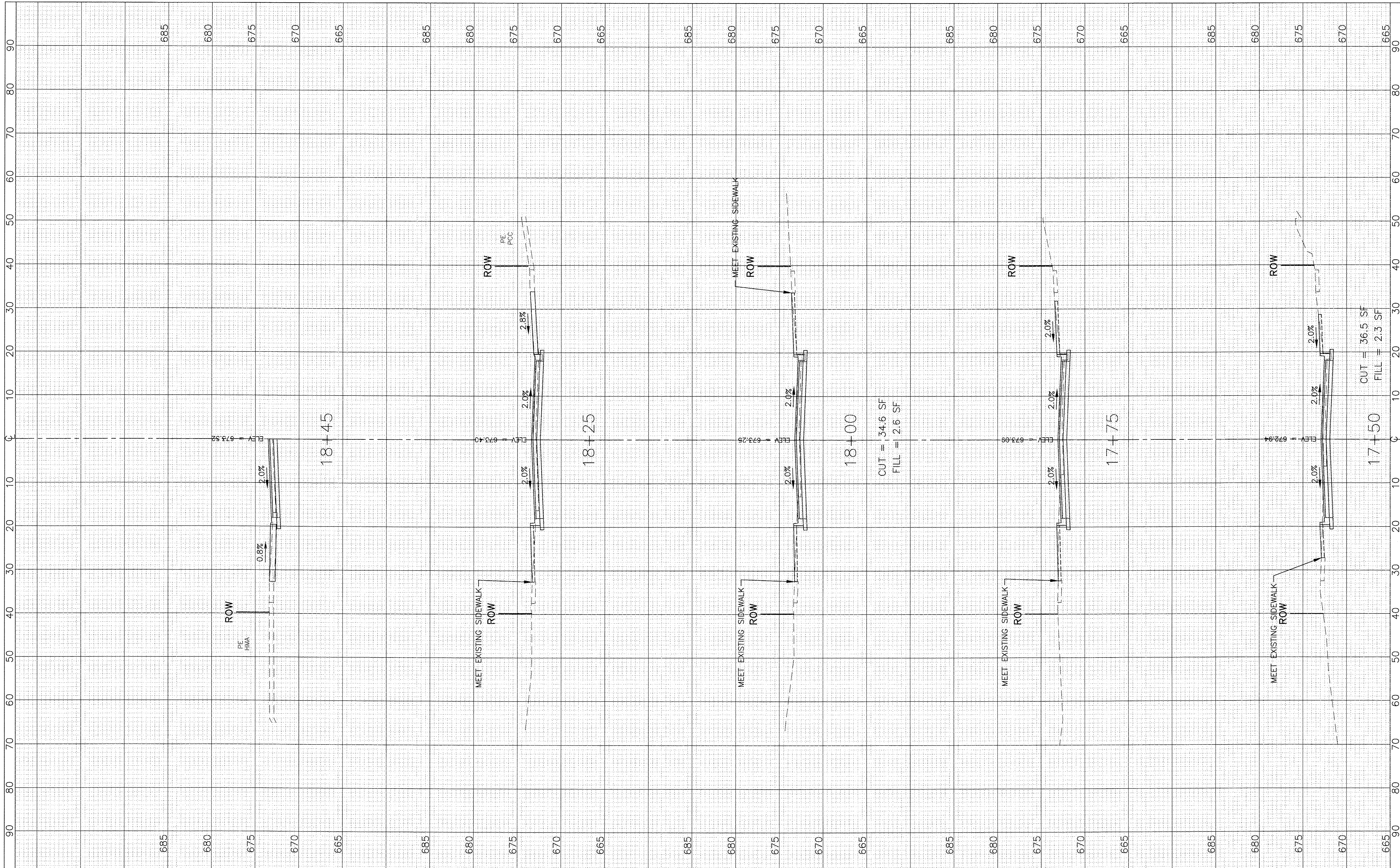
1"=10' HOR.  
 SCALE: 1"=5' VERT. SHEET NO. OF SHEETS STA. 16+50 TO STA. 17+25

F.A.U. RT# 0287 & 0364	SECTION 15-00082-00-PV	COUNTY WILL	TOTAL SHEETS 74	SHEET NO. 62
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61D33	



FINAL SURVEY NO.	SURVEYED	BY	DATE
	PLOTTED		
	TEMPLATE		
	AREAS CHECKED		

ORIGINAL SURVEY NO.	SURVEYED	BY	DATE
	PLOTTED		
	TEMPLATE		
	AREAS CHECKED		



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USER NAME =	DESIGNED - BDH	REVISED -
	DRAWN - SMP	REVISED -
PLOT SCALE: 1"=10' HOR, 1"=5' VERT.	CHECKED - BDH	REVISED -
PLOT DATE =	DATE - 10/07/16	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

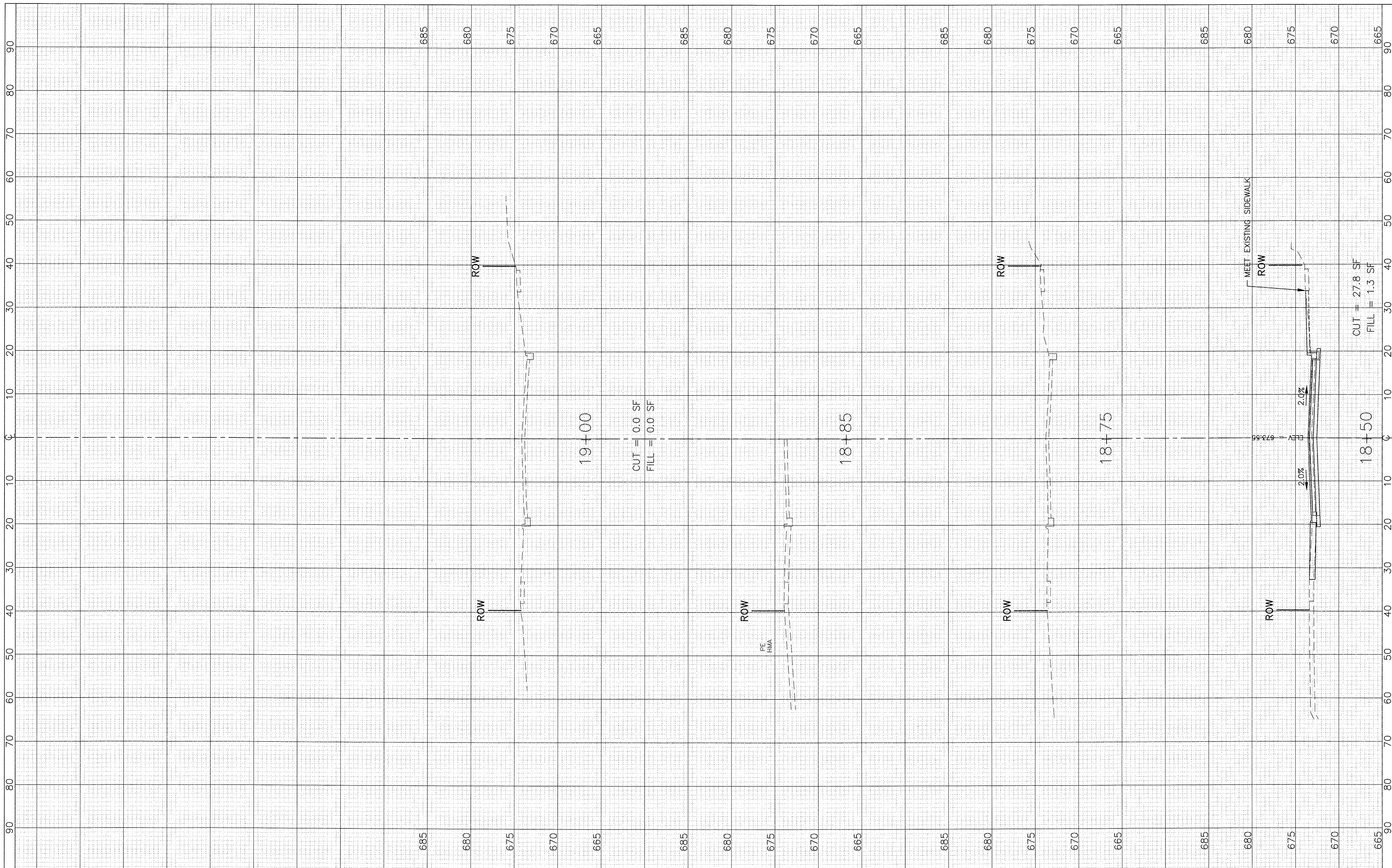
**CROSS SECTIONS  
 MacGREGOR ROAD**  
 1"=10' HOR.  
 SCALE: 1"=5' VERT. SHEET NO. OF SHEETS STA. 17+50 TO STA. 18+45

F.A.U. RTE. 0287 & 0364	SECTION 15-00082-00-PV	COUNTY WILL	TOTAL SHEETS 74	SHEET NO. 63
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61D33	



FINAL SURVEY NO.	BY	DATE
SURVEYED		
PLOTTED		
TEMPLATE		
AREAS CHECKED		

ORIGINAL SURVEY NO.	BY	DATE
SURVEYED		
PLOTTED		
TEMPLATE		
AREAS CHECKED		



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PLOT DATE =	CHECKED - BDH	REVISED -
	DATE - 10/07/16	REVISED -

**STATE OF ILLINOIS  
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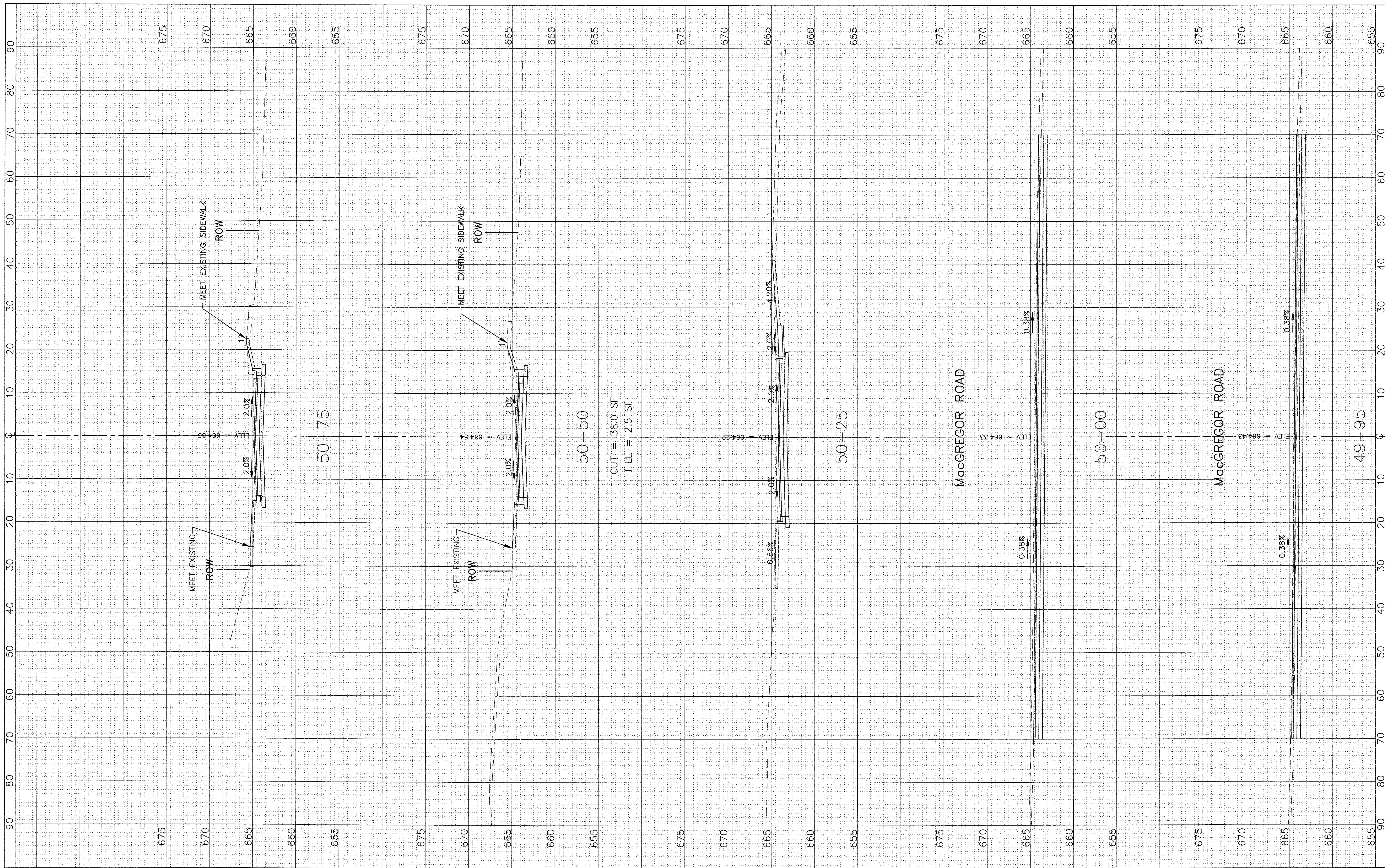
<b>CROSS SECTIONS</b>	
<b>MacGREGOR ROAD</b>	
1"=10' HOR. SCALE: 1"=5' VERT.	SHEET NO. OF SHEETS
STA. 18+50 TO STA. 19+00	

F.A.U. R.T.E. 0287 & 0364	SECTION 15-00082-00-PV	COUNTY WILL	TOTAL SHEETS 74	SHEET NO. 64
CONTRACT NO. 61D33				
ILLINOIS FED. AID PROJECT				



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

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



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PLOT SCALE: 1"=10' HOR, 1"=5' VERT.	DRAWN - SMP	REVISED -
PLOT DATE =	CHECKED - BDH	REVISED -
	DATE - 10/07/16	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

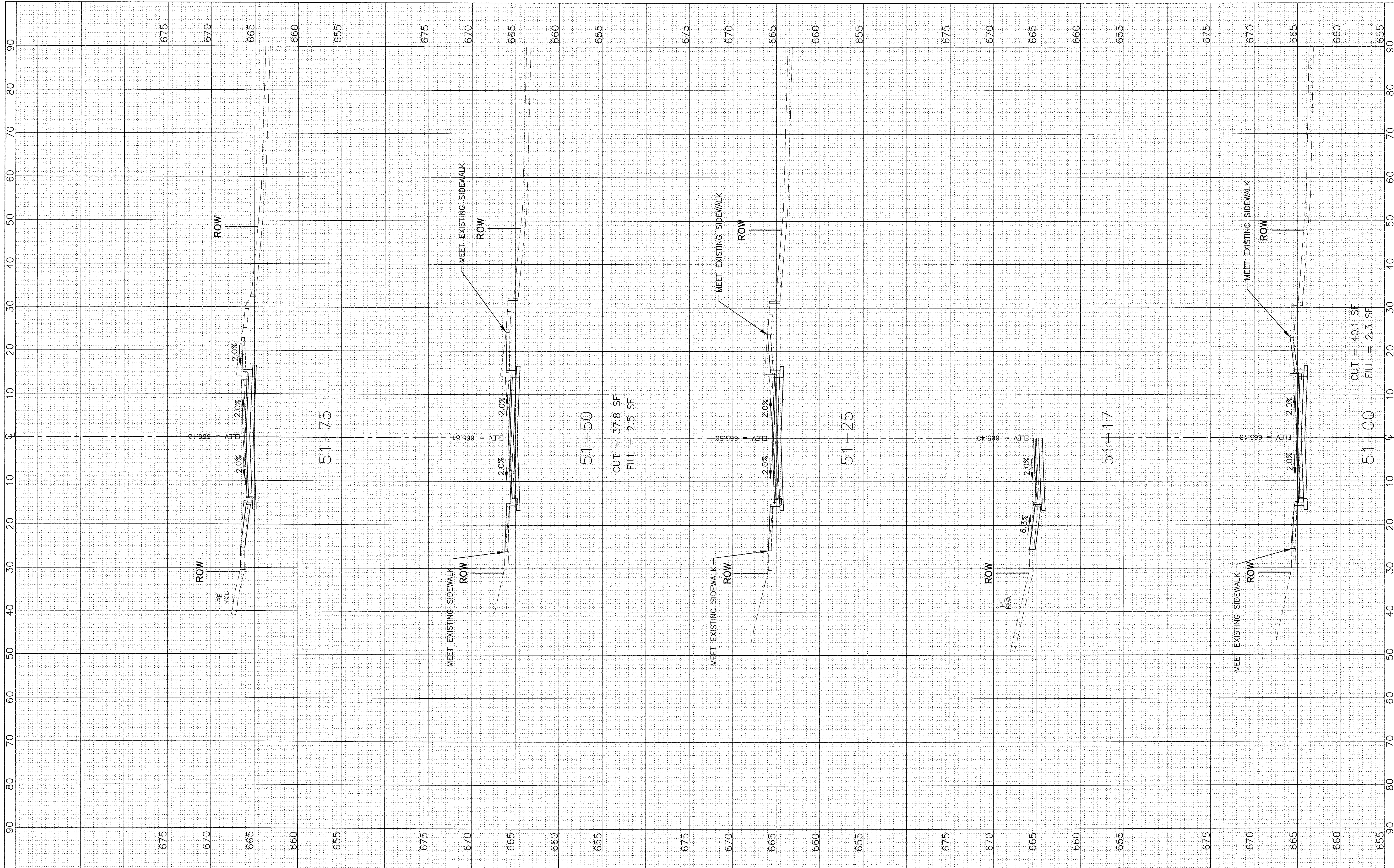
1"=10' HOR.		<b>CROSS SECTIONS</b>	
SCALE: 1"=5' VERT.		<b>NORTH STREET</b>	
SHEET NO.	OF SHEETS	STA. 49+95 TO STA. 50+75	

F.A.U. RTE. 6287 & 6364	SECTION 15-00082-00-PV	COUNTY WILL	TOTAL SHEETS 74	SHEET NO. 65
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61D33	



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

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



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DRAWN - SMP	REVISED -	REVISED -
CHECKED - BDH	REVISED -	REVISED -
DATE - 10/07/16	REVISED -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

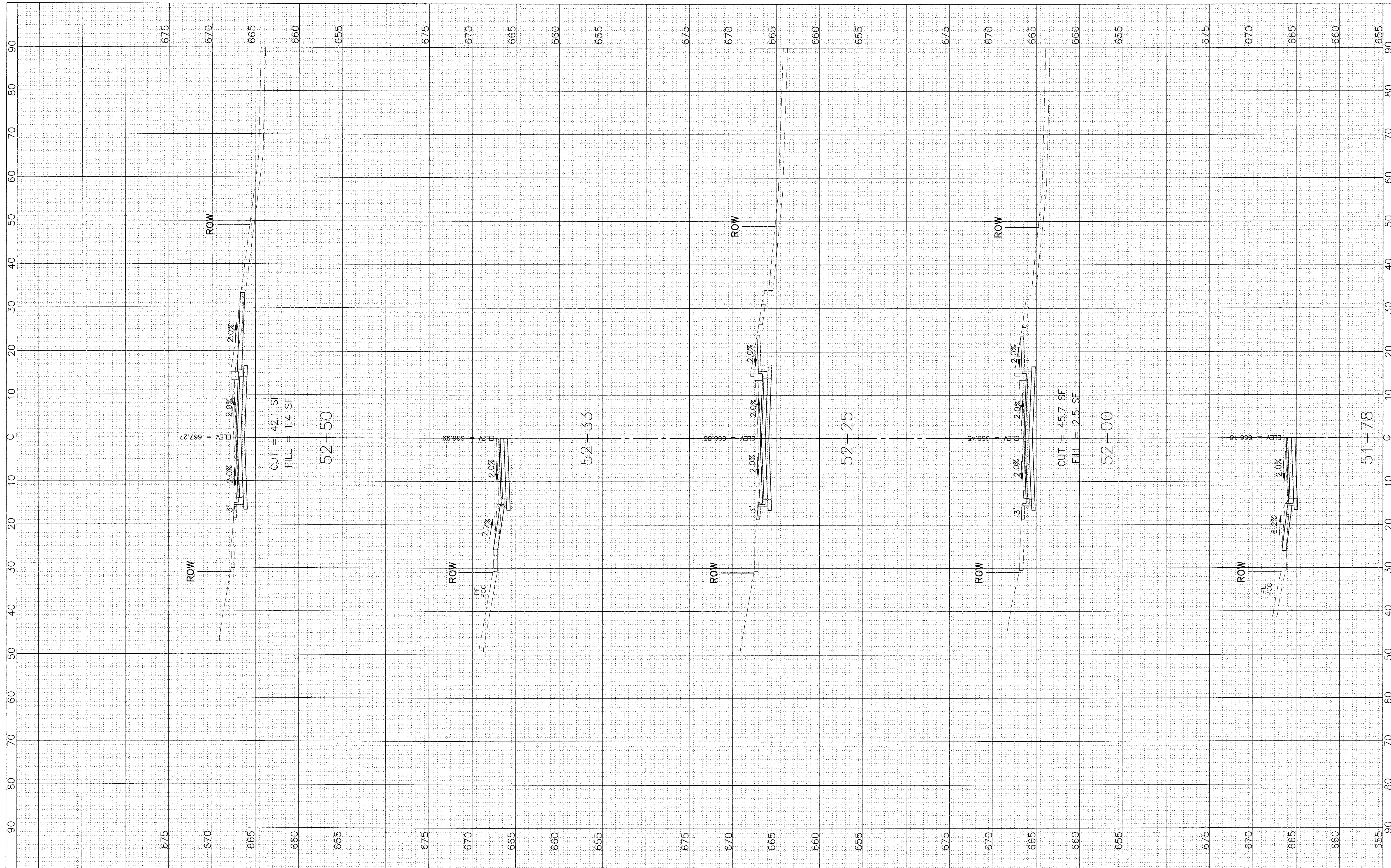
1"=10' HOR.		<b>CROSS SECTIONS</b>	
SCALE: 1"=5' VERT.		<b>NORTH STREET</b>	
SHEET NO.	OF SHEETS	STA. 51+00 TO STA. 51+75	

F.A.U. R.T.E. & 0364	SECTION 15-00082-00-PV	COUNTY WILL	TOTAL SHEETS 74	SHEET NO. 66
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61D33	



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

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



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	DRAWN -	SMP
PLOT SCALE: 1"=10' HOR, 1"=5' VERT.	CHECKED -	BDH
PLOT DATE =	DATE -	10/07/16

REVISED -	-	-
REVISED -	-	-
REVISED -	-	-
REVISED -	-	-

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

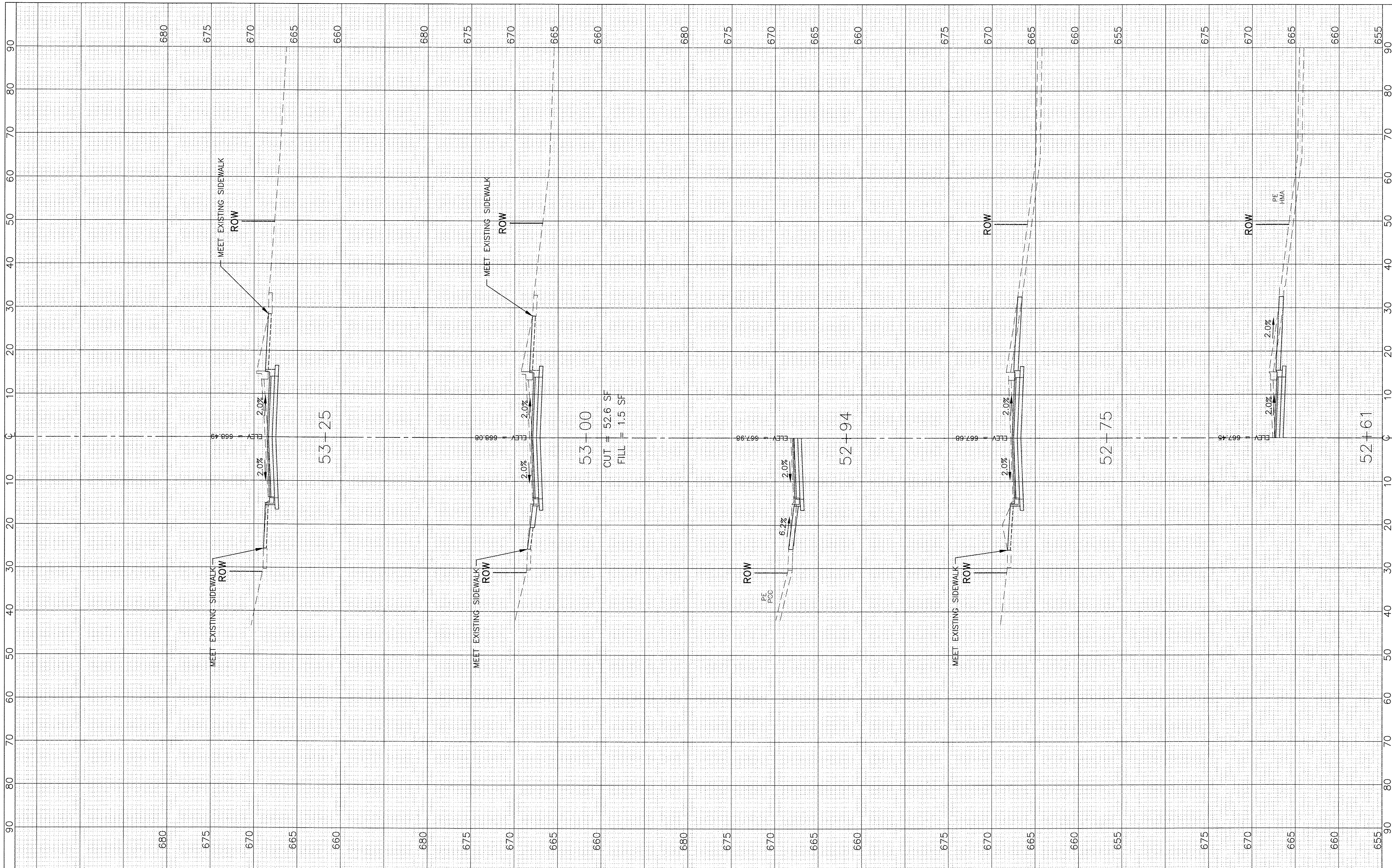
**CROSS SECTIONS  
 NORTH STREET**  
 1"=10' HOR.  
 SCALE: 1"=5' VERT. SHEET NO. OF SHEETS STA. 51+78 TO STA. 52+50

F.A.U. RTE. 0287 & 0364	SECTION 15-00082-00-PV	COUNTY WILL	TOTAL SHEETS 74	SHEET NO. 67
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61D33	



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

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



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PLLOT SCALE: 1"=10' HOR, 1"=5' VERT.	DRAWN - SMP	REVISED -
PLLOT DATE =	CHECKED - BDH	REVISED -
	DATE - 10/07/16	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

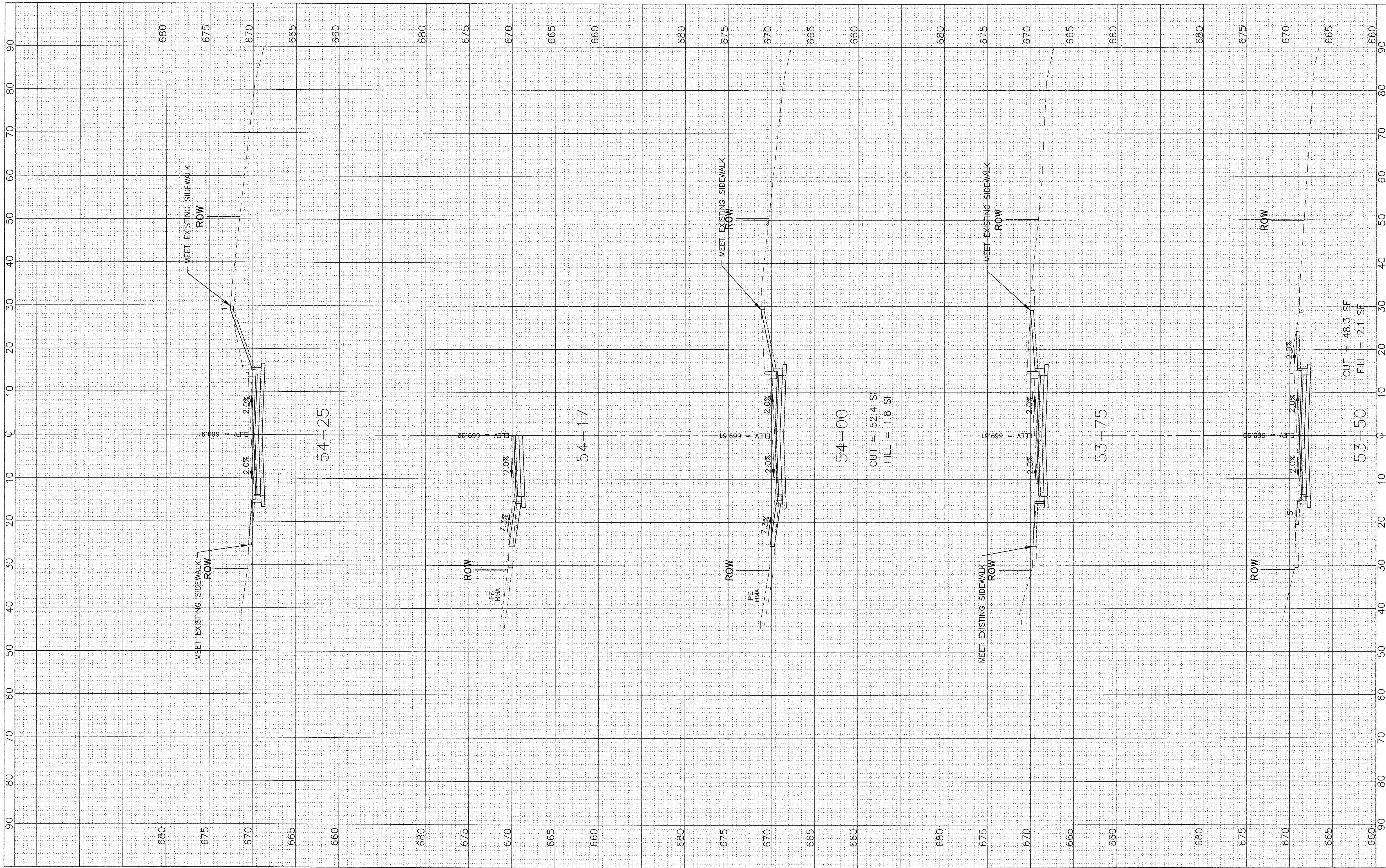
1"=10' HOR.		<b>CROSS SECTIONS</b>	
SCALE: 1"=5' VERT.	SHEET NO. OF SHEETS	<b>NORTH STREET</b>	
		STA. 52+61 TO STA. 53+25	

F.A.U. RTE. 0287 & 0364	SECTION 15-00082-00-PV	COUNTY WILL	TOTAL SHEETS 74	SHEET NO. 68
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61D33	



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

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



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PLOT DATE =	CHECKED - BDH	REVISED -
	DATE - 10/07/16	REVISED -

DESIGNED - BDH	REVISED -
DRAWN - SMP	REVISED -
CHECKED - BDH	REVISED -
DATE - 10/07/16	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

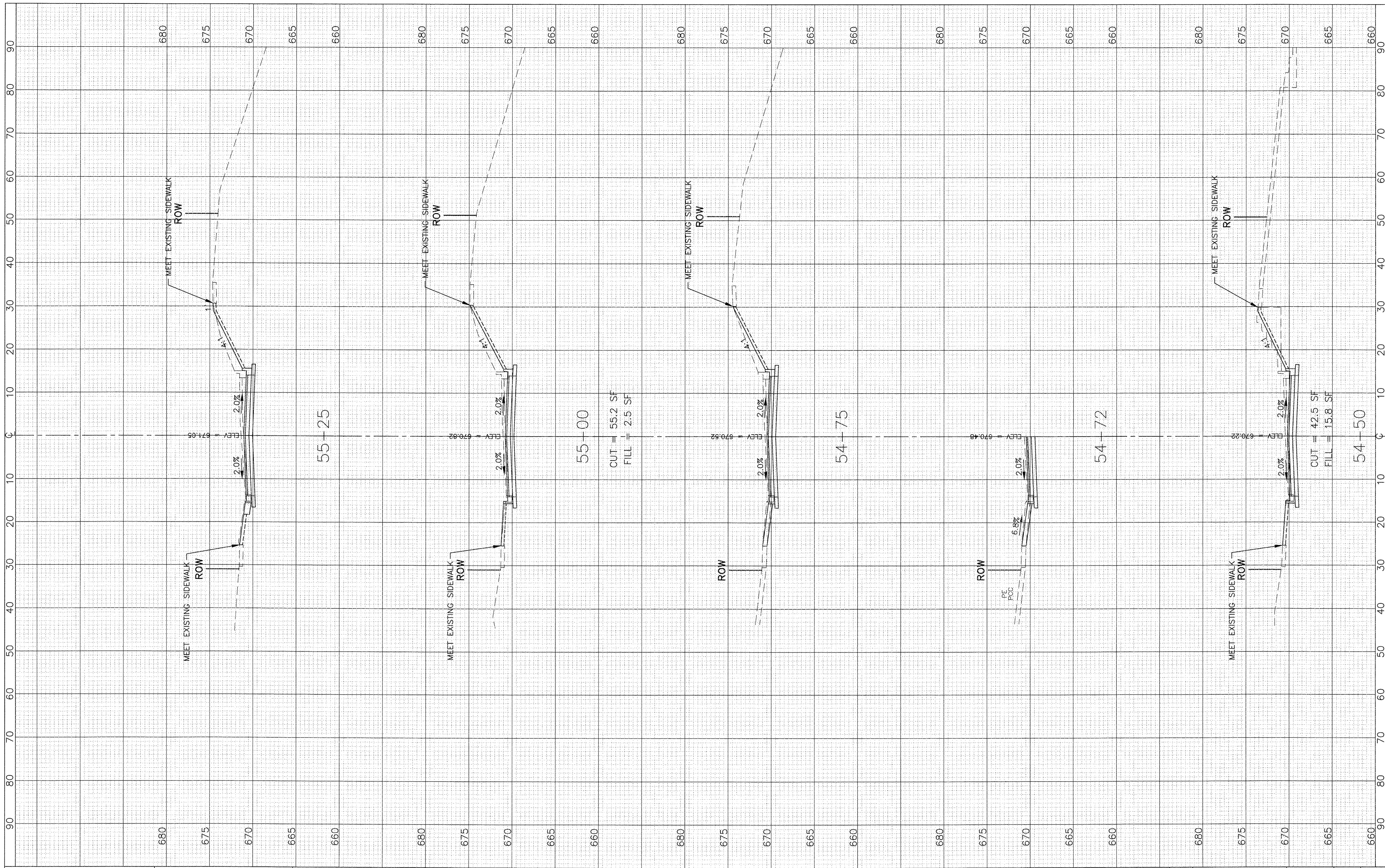
1"=10' HOR		<b>CROSS SECTIONS</b>	
SCALE: 1"=5' VERT.		<b>NORTH STREET</b>	
SHEET NO.	OF SHEETS	SECTION	COUNTY
		15-00082-00-PV	WILL
STA. 53+50 TO STA. 54+25		TOTAL SHEETS	SHEET NO.
		74	69
ILLINOIS FED. AID PROJECT			

F.A.U. RTE. 0287 & 0364	SECTION 15-00082-00-PV	COUNTY WILL	TOTAL SHEETS 74	SHEET NO. 69
CONTRACT NO. 61D33				



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

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



**STATE OF ILLINOIS  
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**CROSS SECTIONS  
NORTH STREET**

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PLOT SCALE: 1"=10' HOR, 1"=5' VERT.	DRAWN - SMP	REVISED -
PLOT DATE =	CHECKED - BDH	REVISED -
	DATE - 10/07/16	REVISED -

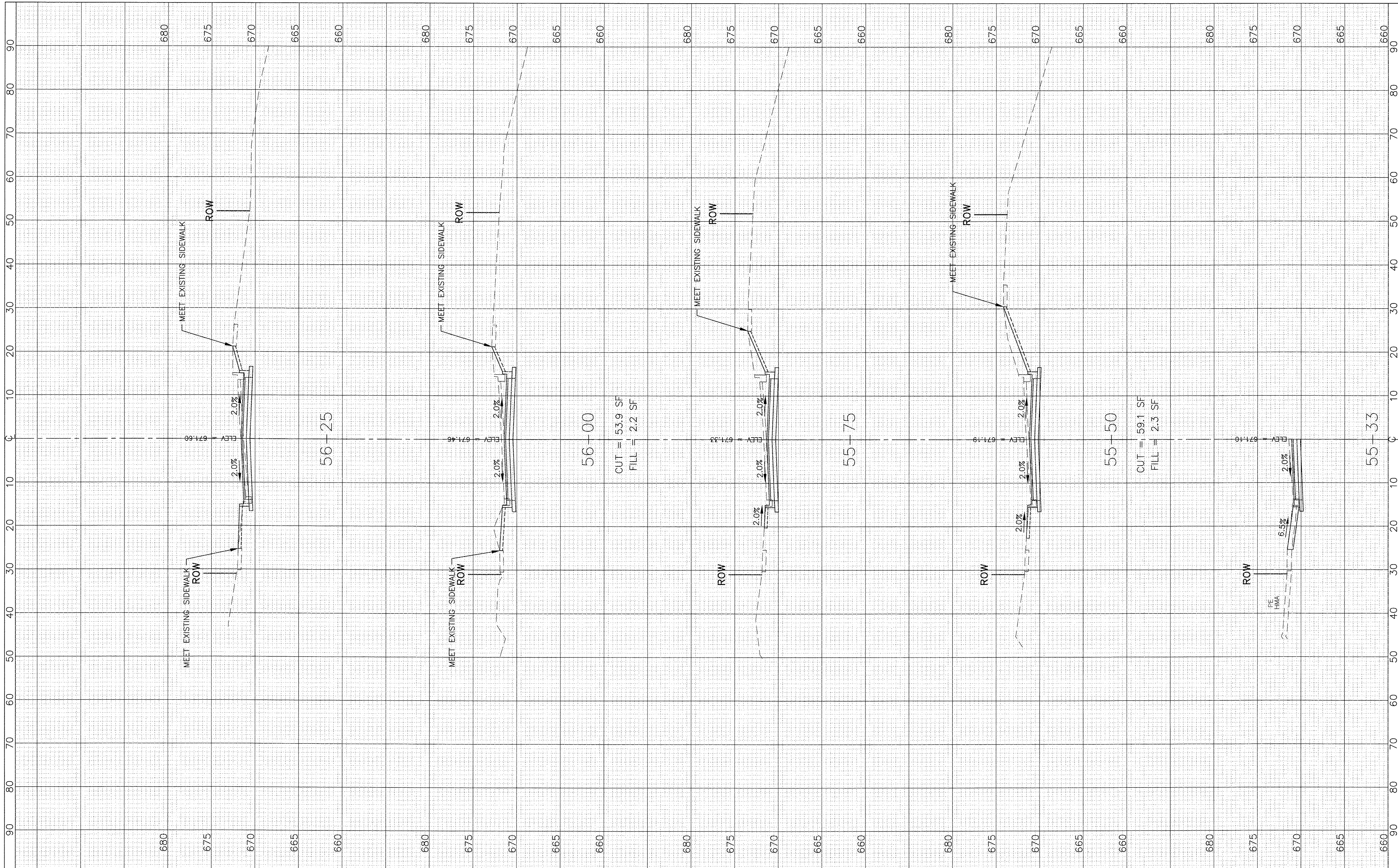
1"=10' HOR.  
SCALE: 1"=5' VERT. SHEET NO. OF SHEETS STA. 54+50 TO STA. 55+25

F.A.U. RT. & 0364	SECTION 15-00082-00-PV	COUNTY WILL	TOTAL SHEETS 74	SHEET NO. 70
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61D33	



FINAL SURVEY NO.	SURVEYED	BY	DATE
	PLOTTED		
	TEMPLATE		
	AREAS CHECKED		

ORIGINAL SURVEY NO.	SURVEYED	BY	DATE
	PLOTTED		
	TEMPLATE		
	AREAS CHECKED		



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PLOT SCALE: 1"=10' HOR, 1"=5' VERT.	DRAWN - SMP	REVISED -
PLOT DATE =	CHECKED - BDH	REVISED -
	DATE - 10/07/16	REVISED -

**STATE OF ILLINOIS  
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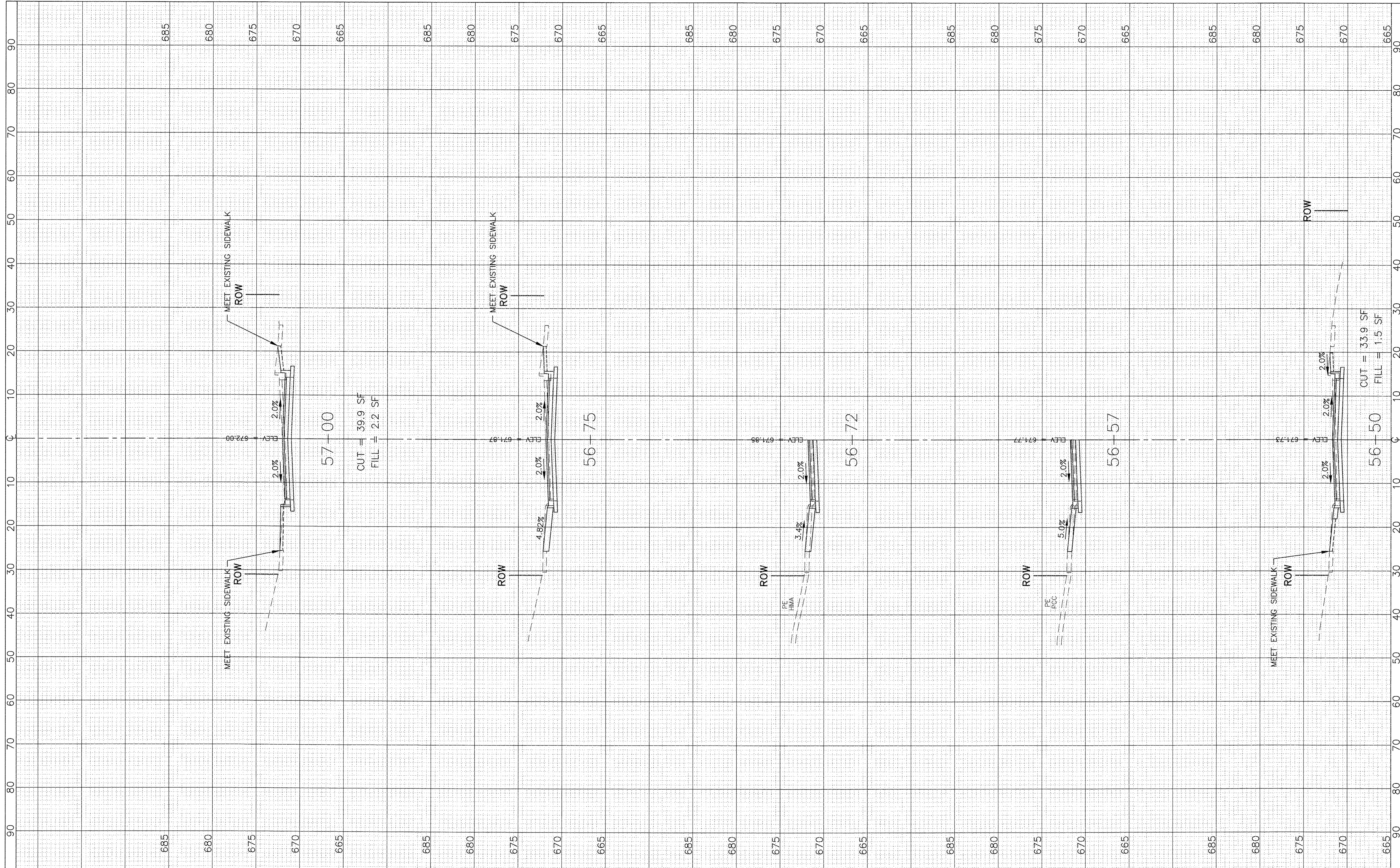
1"=10' HOR.	<b>CROSS SECTIONS</b>
SCALE: 1"=5' VERT.	<b>NORTH STREET</b>
SHEET NO. OF SHEETS	STA. 55+33 TO STA. 56+25

F.A.U. RTE. 0287 & 0364	SECTION 15-00082-00-PV	COUNTY WILL	TOTAL SHEETS 74	SHEET NO. 71
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61D33	



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

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



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PLOT SCALE: 1"=10' HOR, 1"=5' VERT.	DRAWN - SMP	REVISED -
PLOT DATE =	CHECKED - BDH	REVISED -
	DATE - 10/07/16	REVISED -

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**CROSS SECTIONS  
 NORTH STREET**

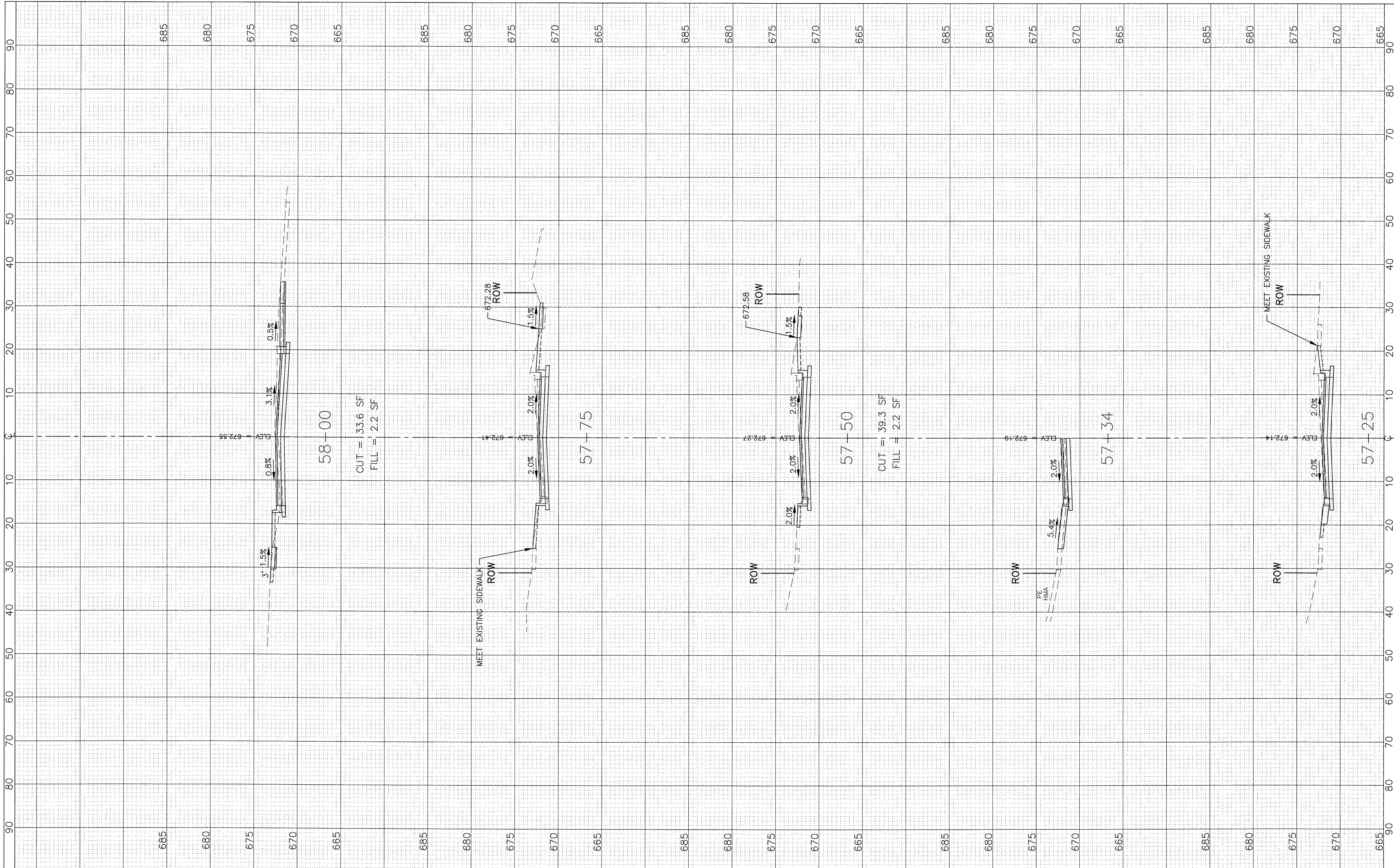
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 SCALE: 1"=5' VERT. SHEET NO. OF SHEETS STA. 56+50 TO STA. 57+00

F.A.U. RTF 0287 & 0384	SECTION 15-00082-00-PV	COUNTY WILL	TOTAL SHEETS 74	SHEET NO. 72
			CONTRACT NO. 61D33	
ILLINOIS FED. AID PROJECT				



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

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



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PLOT SCALE: 1"=10' HOR, 1"=5' VERT.	DRAWN -	SMP	REVISED -	---
PLOT DATE =	CHECKED -	BDH	REVISED -	---
	DATE -	10/07/16	REVISED -	---

**STATE OF ILLINOIS  
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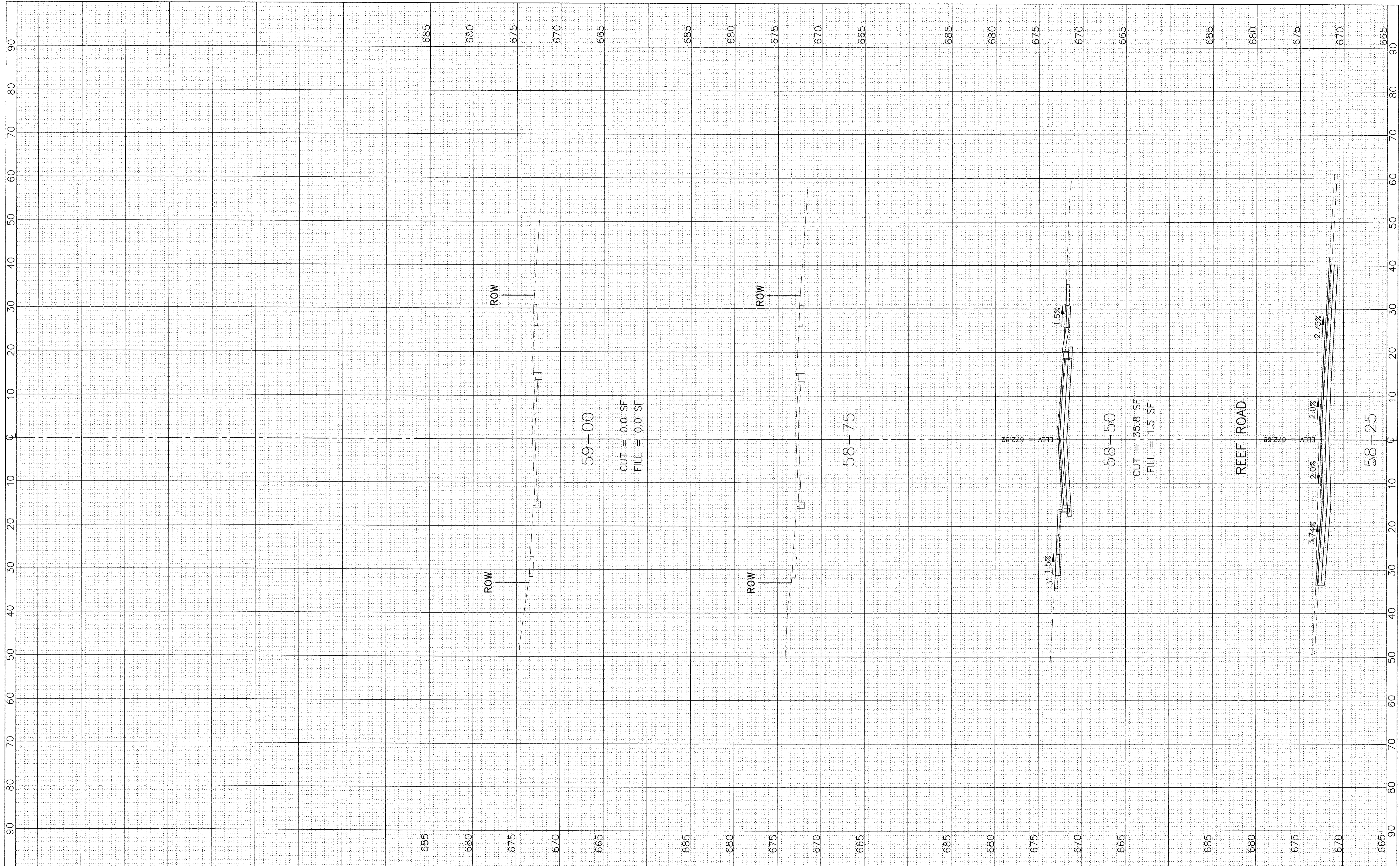
1"=10' HOR	
SCALE: 1"=5' VERT.	SHEET NO. OF SHEETS
CROSS SECTIONS NORTH STREET	
STA. 57+25 TO STA. 58+00	

F.A.U. RTE. 0287 & 0364	SECTION 15-00082-00-PV	COUNTY WILL	TOTAL SHEETS 74	SHEET NO. 73
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61D33	



FINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE



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PLOT DATE =	CHECKED -- BDH	REVISED --
	DATE -- 10/07/16	REVISED --

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<b>CROSS SECTIONS NORTH STREET</b>	
SCALE: 1"=5' VERT.	SHEET NO. OF SHEETS
1"=10' HOR.	STA. 58+25 TO STA. 59+00

F.A.U. 0287 & 0364	SECTION 15-00082-00-PV	COUNTY WILL	TOTAL SHEETS 74	SHEET NO. 74
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61D33	