

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION PLANS FOR PROPOSED LOCAL AGENCY IMPROVEMENT FEDERAL-AID PROJECT

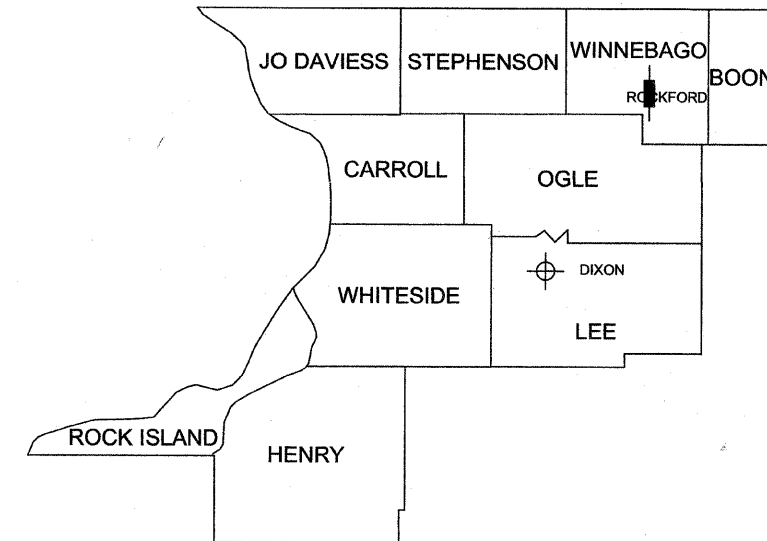


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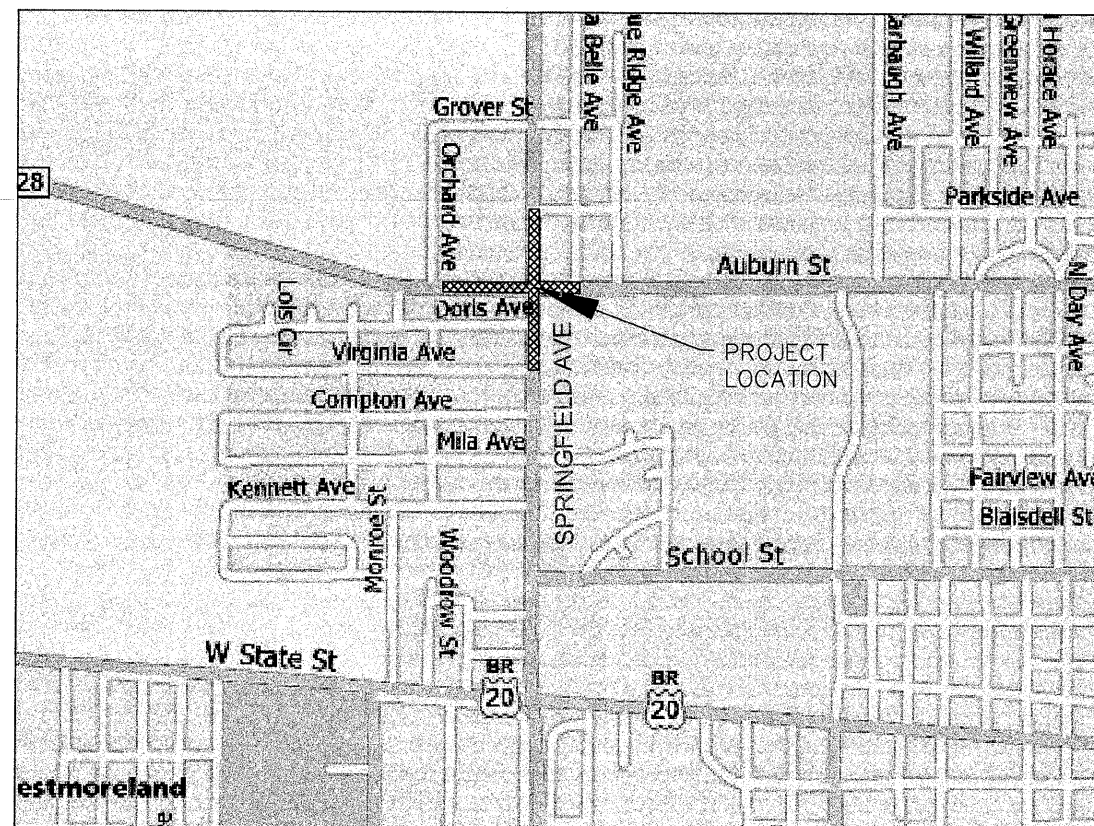
FAP 525 (SPRINGFIELD AVE.)
SECTION 05-00378-00-SP
PROJECT NO. HSIP-HS-0525(112)
JOB NO. C-92-076-06
CONTRACT NO. 85413



⊕ DISTRICT HEADQUARTER | PROJECT LOCATION

STANDARDS

280001-04	TEMPORARY EROSION CONTROL SYSTEMS
353001-04	PCC BASE CSE WITH HMA BINDER & SURFACE CSE
406201-01	MAILBOX TURNOUT
420001-07	PAVEMENT JOINTS
424001-05	CURB RAMPS FOR SIDEWALKS
442101-07	CLASS B PATCHES
482006-03	HMA SHOULDER ADJACENT TO RIGID PAVEMENT
542301-02	PRECAST REINFORCED CONCRETE FLARED END SECTION
542401-01	METAL END SECTION FOR PIPE CULVERTS
602401-02	MANHOLE - TYPE A
602601-02	PRECAST REINFORCED CONCRETE FLAT SLAB TOP
604001-03	FRAME & LIDS TYPE 1
604026-02	FRAME & GRATE TYPE 6
606001-04	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB & GUTTER
606006-02	OUTLETS FOR CONCRETE CURB & GUTTER TYPE B-6.24
606301-04	PC CONCRETE ISLANDS AND MEDIANS
701001-02	OFF-RD OPERATIONS 2L, 2W, MORE THAN 15' AWAY
701006-03	OFF-RD OPERATIONS 2L, 2W 4.5M (15') TO PAVEMENT EDGE FOR SPEEDS ≥ 45 MPH
701011-02	OFF-RD MOVING OPERATIONS 2L, 2W DAY ONLY FOR SPEEDS ≥ 45 MPH
701201-03	LANE CLOSURE, 2L, 2W, DAY ONLY FOR SPEEDS ≥ 45 MPH
701306-02	LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY, FOR SPEEDS ≥ 45 MPH
701311-03	LANE CLOSURE, 2L, 2W, MOVING OPERATIONS - DAY ONLY
701326-03	LANE CLOSURE, 2L, 2W, PAVEMENT WIDENING FOR SPEEDS ≥ 45 MPH
701501-05	URBAN LANE CLOSURE 2L, 2W UNDIVIDED
701602-04	URBAN LANE CLOSURE, MULTILANE 2W WITH BI-DIRECTIONAL LEFT TURN LANE
701606-06	URBAN LANE CLOSURE, MULTILANE 2W WITH MOUNTABLE MEDIAN
701701-06	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701901-01	TRAFFIC CONTROL DEVICES
720011-01	METAL POSTS FOR SIGNS, MARKERS & DELINEATORS
720016-02	MAST ARM MOUNTED STREET NAME SIGN
728001-01	TELESCOPING STEEL SIGN SUPPORT
729001-01	APPLICATIONS OF TYPE A & B METAL POSTS
780001-02	TYPICAL PAVEMENT MARKINGS
781001-03	TYPICAL APPLICATIONS RAISED SELECTIVE PAVEMENT MARKERS
805001-01	ELECTRICAL SERVICE INSTALLATION DETAILS
814001-02	CONCRETE HANDHOLES
814006-02	DOUBLE HANDHOLES
857001-01	STANDARD PHASE DESIGNATION DIAGRAMS AND PHASE SEQUENCES
873001-02	TRAFFIC SIGNAL GROUNDING AND BONDING
877011-04	STEEL COMBINATION MAST ARM ASSEMBLY & POLE 16' - 55'
878001-07	CONCRETE FOUNDATION DETAILS
880001-01	SPAN WIRE MOUNTED SIGNALS AND FLASHING BEACON INSTALLATION
B.L.R. 10-6	PCC PAVEMENT SPECIAL (NONREINFORCED)
B.L.R. 14-10	PORTLAND CEMENT CONCRETE PAVEMENT
B.L.R. 24-2	MAILBOX TURNOUT FOR LOCAL ROADS



SCALES:	
CROSS-SECTIONS FULL SIZE HORIZONTAL: 1" = 20' VERTICAL: 1" = 10' 1/4 SIZE HORIZONTAL: 1" = 40' VERTICAL: 1" = 20'	PLAN & PROFILE FULL SIZE HORIZONTAL: 1" = 50' VERTICAL: 1" = 10' 1/4 SIZE HORIZONTAL: 1" = 100' VERTICAL: 1" = 20'

SPRINGFIELD AVE: NET LENGTH: 1483.24 FT (0.281 MILES) ADT: 11,200 TRUCK: 10% URBAN MINOR ARTERIAL	AUBURN ROAD: NET LENGTH: 1648.23 FT (0.312 MILES) ADT: 8,450 TRUCK: 5% URBAN MINOR ARTERIAL
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CALL J.U.L.I.E.
BEFORE YOU DIG
1-800-892-0123
T.44 N. - R.1 E.
SEC. 17

JOSEPH A. VANDERKAM
REGISTERED PROFESSIONAL ENGINEER
OF ILLINOIS
Exp 11/30/09

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS	
APPROVED <u>October 31</u> 20 <u>07</u> <i>Paul R. Wray</i> WINNEBAGO COUNTY ENGINEER	
PASSED <u>NOVEMBER 8</u> 20 <u>07</u> <i>John T. Nelson</i> DISTRICT 2 ENGINEER OF LOCAL ROADS & STREETS	
RELEASING FOR BID BASED ON LIMITED REVIEW <u>NOVEMBER 8</u> 20 <u>07</u> <i>George F. Ryan</i> DEPUTY DIRECTOR OF HIGHWAYS, REGION 2 ENGINEER	

GENERAL NOTES

GENERAL NOTES AND CONDITIONS

All earthwork, grading and paving shall be performed in accordance with the "Standard Specifications for Road and Bridge Construction, State of Illinois Department of Transportation, adopted January 1, 2007"; the "Supplemental Specifications and Recurring Special Provisions" (current addition), and all revisions and supplements thereto, and the requirements and specifications of the County of Winnebago.

The scale shown on the drawings applies only to the full size plans and not reduced size plans.

The Contractor shall field verify the elevations of the benchmarks prior to commencing work. The Contractor shall also field verify location, elevation and size of existing work. The contractor shall field verify horizontal control by referencing shown coordinates to known property lines. Notify the Engineer of discrepancies in either vertical or horizontal control prior to proceeding with work.

UTILITIES

Exact horizontal and vertical locations of existing utilities shall be determined by the Contractor at no additional cost to the contract. Locations and depths shown on these plans are only schematic representation.

The Contractor shall be responsible for protecting utility property during construction operations as outlined in Article 107.31 of the Standard Specifications. The phone number for J.U.L.I.E. is 800-892-0123. The utilities located within the project limits or immediately adjacent to the project construction limits are members of J.U.L.I.E.

Commonwealth Edison
123 Energy Ave.
Rockford, IL 61109
Phone - (815) 490-2869

Nicor Gas
300 W. Terra Cotta
Crystal Lake, IL 60014
Phone - (815) 455-0271

Rock River Reclamation District
3333 Kishwaukee St.
Rockford, IL 61126-7480
Phone - (815) 387-7660

AT&T/SBC
2404 - 8th Avenue
Rockford, IL 61108
Phone - (815) 394-7270

Water Division, City of Rockford
425 E. State St.
Rockford, IL 61104
Phone - (815) 961-3766

Insight Communication
811 - 21st Street
Rockford, IL 61108
Phone - (815) 962-4400

Abandoned underground utilities that conflict with construction or have the potential for creating future problems shall be disposed of outside the limits of the right-of-way according to Article 202.03 of the standard specifications and as directed by the Engineer. This work will not be paid for separately but shall be considered incidental to EARTH EXCAVATION and no additional compensation will be allowed.

New manhole, valve vault, and inlet lids on this project shall have the word "STORM", or "WATER", or "SANITARY" on the lid. It will be the Contractor's responsibility to determine the appropriate type of lid. No additional compensation will be allowed for this work.

EARTHWORK, GRADING, AND PAVING

A contingency quantity of UNDERCUT UNSUITABLE MATERIAL has been included in the contract quantities for undercutting unsuitable or unstable subgrade. The subgrade shall be processed in accordance with Section 301 of the Standard Specifications before a determination by the Engineer for the necessity of undercut is made. Field determinations in regards to exact location and depths will be made by the Engineer. After excavation of unsuitable material and after the Engineer's approval, GEOTECHNICAL FABRIC FOR GROUND STABILIZATION shall be placed and Porous Granular Embankment shall be used to backfill the excavated area. The excavated unsuitable material shall be disposed outside of the Right-of-Way.

Cut or fill slopes shall have a maximum ratio of 3 horizontal to 1 vertical. These slope constraints apply to temporary stock piles as well as finished slope conditions.

See cross sections for special slopes, including driveway slopes.

Cut and fill quantities, as shown on the cross sections, are based on finished grade for all cross sections.

EARTHWORK, GRADING & PAVING CONT.)

The Contractor is responsible for maintaining positive drainage at the conclusion of each working day.

Existing topsoil and vegetation shall be stripped in embankment areas prior to the placement of fill material. The cost of this work shall be incidental to EARTH EXCAVATION.

The Contractor shall use care in grading or excavating near any and all existing items which are not indicated to be removed. Any damage done to existing items by the Contractor's operations shall be repaired at no additional expense to the owner.

Excavation in old gravel or macadam road is to be paid for as EARTH EXCAVATION.

The earth removed in shaping the subgrade of the pavement and not needed to complete the earth shoulders within the project limits shall be disposed of by the Contractor as directed by the Engineer, without additional compensation, it being understood that the cost of performing such work is included in the contract unit price for the particular type of excavation.

The final top four inches of soil in any right-of-way area disturbed by the Contractor must be a cohesive soil capable of supporting vegetation.

All saw cuts, including saw cut pavement (Full Depth), sawing Bituminous Surface and other saw cutting listed or implied on the plans shall be incidental to the accompanying removal items shown, in accordance with the special provisions for this project.

All gutter outlets shall be extended to ditch flow as directed by the Engineer.

Where section or subsection monuments are encountered, the Engineer shall be notified before such monuments are removed. The Contractor shall protect and carefully preserve all property markers, monuments and right-of-way pins until the owner, an authorized surveyor, or agent has been witnessed or otherwise referenced their location.

All private entrances and side road approaches shall be bladed and rolled, as directed by the Engineer, prior to placing Hot Mix Asphalt. This work shall not be paid for separately but shall be considered incidental to INCIDENTAL HMA SURFACING. AGGREGATE BASE COURSE TYPE B (TONS) is provided in the plan quantities and shall be used only as needed and as directed by the Engineer.

Existing, uncontaminated base course material should be used for the purpose of building up entrances for temporary access during construction. However, no additional compensation will be paid beyond the initial EARTH EXCAVATION unit bid price per CY for the existing material used.

The existing signs that interfere with construction shall be removed or relocated as directed by the Engineer. After the construction is completed, the Contractor shall replace the signs as directed by the Engineer. This work will not be paid for separately and shall be considered incidental to the contract and no additional compensation shall be allowed.

It is anticipated that several mailboxes will require relocation to the approach side of the entrances. When this is done, the contractor shall be required to mount the mailbox on a 4"x4" wood post, 40 inches above the shoulder surface and extending to a minimum of 24 inches into the embankment. This work shall be included in the contract unit price for the EARTH EXCAVATION. There are an estimated 20 mailboxes to be relocated.

A contingency quantity of 100 cubic yards for ROCK EXCAVATION STRUCTURE has been included in the contract quantities for various size storm sewer installation - and 12" water main extension.

TEMPORARY EROSION CONTROL

Temporary erosion control measures shall be constructed in accordance with section 280 of the standard specifications and the enclosed Erosion Control Plan.

Temporary erosion control measures includes temporary ditch checks, perimeter erosion barrier, inlet and pipe protection, temporary seeding, and any other temporary erosion control measure needed to limit the amount of soil erosion and sedimentation during construction.

TEMPORARY EROSION CONTROL CONT.)

The Contractor shall place permanent erosion control systems and seeding within a reasonable amount of time; therefore reducing the amount of area being open to the possibility of erosion and reducing the amount of temporary seeding. The Engineer shall determine if temporary erosion control systems shown in the plan can be deleted. The size of proposed ditch check, the proper method of installation, and if any additional temporary erosion control systems shall be added which are not included in the plans. The Contractor shall perform all work as directed by the Engineer and as shown in standard 280001

The erosion control system shall be maintained throughout the course of the project. After each significant rainfall event, the Contractor shall check the condition of the erosion control system and correct any deficiencies. This shall include but is not limited to correcting improper installation and repairing of the erosion control system, removal of trapped sediment, and cleaning of silt filter fence and all roadway and driveway culverts. The cost of maintaining the erosion control system shall be included in the cost of the erosion control items and shall not be paid for separately.

At the completion of the project, all temporary erosion control items shall be removed from the site, becoming the property of the Contractor, and shall be disposed of in accordance with the N.P.D.E.S. permit requirements.

The following items have been estimated for this contract:

Nitrogen Fertilizer Nutrients	90 LB / ACRE
Phosphorus Fertilizer Nutrients	90 LB / ACRE
Potassium Fertilizer Nutrients	90 LB / ACRE
Seeding, Class 1A	1.62 ACRE

SEEDING

Fertilizer having an analysis of 1-1-1 shall be applied at the rate of 270 LB / AC to all disturbed areas and incorporated into the seeding prior to the sowing of the seed.

The Contractor shall seed all disturbed areas within the project limits using SEEDING, CLASS 1A.

STORM SEWER

All frames and grates of drainage structures to be removed or filled shall be carefully salvaged and shall remain the property of Winnebago County Highway Department.

The cost of making sewer connections to existing drainage structures shall be included in the various contract unit prices for STORM SEWER.

The cost of removing existing Storm Sewer during the installation of new storm sewers shall be included in the contract unit prices for the STORM SEWER being installed.

All proposed manholes on this project shall be cast in place or precast. This work will be paid for the contract unit price EACH for MANHOLE of the type and size specified.

The Contractor shall determine flowlines of existing sewer lines which are shown on the plans as estimated or unknown. This information is necessary before ordering inlets and manholes.

CONCRETE ISLAND

The Contractor shall install a 18" diameter formed opening in the Concrete Median Surface of the Island as directed by the Engineer. Also, a 4" diameter formed opening shall be installed in each corner of the Island 1 foot behind the back of curb. All existing pavement surfaces of other existing obstructions beneath these openings shall be removed by the Contractor.

HOT-MIX ASPHALT

The following Mixture requirements are applicable for this project:

Mixture Uses:	Surface Mixture	Level Binder Mixture
PG:	PG70-22	PG70-22
Design Air Voids	Ndes=70 @ 4.0% Voids	Ndes=70 @ 4.0% Voids
Mixture Composition (gradation Mixture)	IL-9.5mm	IL-9.5mm or IL-12.5mm
Friction Aggregate	Mixture F	
Mixture Weight	112 lb/sy/in	112 lb/sy/in
20 years ESAL	8.6	8.6
















PCC BASE COURSE

The Contractor shall place contraction joint in prolongation with joints in the existing pavement. The joint shall be a sawed contraction joint with dowel bar assembly as shown on the Highway Standard 420001. The cost for this work shall be included in the contract unit price per SQUARE YARD for the PCC BASE COURSE.

TRAFFIC CONTROL COMPLETE

Striping removal (permanent and temporary) shall be incidental to traffic control complete. This work will not be paid for separately and shall be considered incidental to the contract and no additional compensation shall be allowed.

LEGEND

EXISTING	PROPOSED	DESCRIPTION
		TREE
		UTILITY POLE
		ELECTRIC LINE
		ELECTRIC PED/TRANS
		GAS LINE
		GAS VALVE
		TELEPHONE LINE
		TELEPHONE PEDESTAL
		TELEPHONE VAULT
		WATER LINE
		WATER VALVE
		FIRE HYDRANT
		SANITARY SEWER
		SANITARY MANHOLE
		CONCRETE END SECTION
		METAL END SECTION
		RIGHT-OF-WAY
		DITCH FLOW



SUMMARY OF QUANTITIES

Item No	Item	Unit	QTY	I000	Y031-1F	Non - Participating
20100110	TREE REMOV 6-15	UNIT	192.00	192.00		
20100210	TREE REMOV OVER 15	UNIT	230.00	230.00		
20200100	EARTH EXCAVATION	CU YD	7,612.00	7,612.00		
x 20201200	REM & DISP UNS MATL	CU YD	500.00	500.00		
20800150	TRENCH BACKFILL	CU YD	33.25	33.25		
21001000	GEO TECH FAB F/GR STAB	SQ YD	1,000.00	1,000.00		
x 21101615	TOPSOIL F & P 4	SQ YD	8,229.00	8,229.00		
25000110	SEEDING CL 1A	ACRE	1.70	1.70		
25100125	MULCH METHOD 3	ACRE	1.70	1.70		
25000400	NITROGEN FERT NUTR	POUND	152.85	152.85		
25000500	PHOSPHORUS FERT NUTR	POUND	152.85	152.85		
25000600	POTASSIUM FERT NUTR	POUND	152.85	152.85		
25100630	EROSION CONTR BLANKET	SQ YD	1,635.00	1,635.00		
28000250	TEMP EROS CONTR SEED	POUND	300.00	300.00		
28000300	TEMP DITCH CHECKS	EACH	14.00	14.00		
28000400	PERIMETER EROS BAR	FOOT	5,500.00	5,500.00		
28000500	INLET & PIPE PROTECT	EACH	18.00	18.00		
31101810	SUB GRAN MAT B 12	SQ YD	4,287.00	4,287.00		
35101400	AGG BASE CSE B	TON	964.00	964.00		
35300400	PCC BSE CSE 9	SQ YD	4,490.00	4,490.00		
40600200	BIT MATLS PR CT	TON	5.75	5.75		
40600300	AGG PR CT	TON	27.50	27.50		
40600400	MIX CR JTS FLANGEWYS	TON	5.00	5.00		
40600837	P LEV BIND MM N70	TON	1,565.00	1,565.00		
40600990	TEMPORARY RAMP	SQ YD	100.00	100.00		
40603590	P HMA SC "F" N70	TON	1,565.00	1,565.00		
40800050	INCIDENTAL HMA SURF	TON	107.53	107.53		
42300200	PCC DRIVEWAY PAVT 6	SQ YD	362.40	362.40		
42400800	DETECTABLE WARNINGS	SQ FT	24.00	24.00		
44000100	PAVEMENT REM	SQ YD	113.20	113.20		
44000200	DRIVE PAVEMENT REM	SQ YD	1,803.30	1,803.30		
44000500	COMB CURB GUTTER REM	FOOT	4,460.00	4,460.00		
x 44002600	GUT OUTLET REM	FOOT	85.00	85.00		
x 44003100	MEDIAN REMOVAL	SQ FT	1,808.00	1,808.00		
44003510	MEDIAN REMOVAL (PD)	SQ FT	4,365.00	4,365.00		
44200956	CL B PATCH T2 9	SQ YD	80.00	80.00		
44200962	CL B PATCH T3 9	SQ YD	213.00	213.00		
44200964	CL B PATCH T4 9	SQ YD	70.00	70.00		
44400100	FIBERGLASS FAB REP SY	SQ YD	3,123.00	3,123.00		
48203029	HMA SHOULDERS 8	SQ YD	945.00	945.00		
54200640	P CUL 1 CS/A CP 15	FOOT	28.00	28.00		
54213660	PRC FLAR END SEC 15	EACH	4.00	4.00		
54213669	PRC FLAR END SEC 24	EACH	1.00	1.00		
54213870	STEEL END SEC 15	EACH	2.00	2.00		
55019500	SS 1 RCP CL 4 12	FOOT	79.00	79.00		
55019600	SS 1 RCP CL 4 15	FOOT	62.00	62.00		
55019700	SS 1 RCP CL 4 18	FOOT	28.00	28.00		
55019900	SS 1 RCP CL 4 24	FOOT	36.00	36.00		
60242500	INLETS SPL N1	EACH	12.00	12.00		
60255500	MAN ADJUST	EACH	8.00	8.00		
60256300	MAN ADJ NEW T6F&G	EACH	2.00	2.00		
x 60260200	INLETS ADJUST SPL	EACH	3.00	3.00		
60262700	INLETS RECONST	EACH	1.00	1.00		
60265700	VV ADJUST	EACH	6.00	6.00		
x 60500090	REM INLET- MAIN FLOW	EACH	8.00	8.00		
60600095	CLASS SI CONC OUTLET	CU YD	6.00	6.00		
60603800	COMB CC&G TB6.12	FOOT	115.00	115.00		
60605000	COMB CC&G TB6.24	FOOT	4,539.00	4,539.00		
67100100	MOBILIZATION	L SUM	1.00	1.00		
x 70103700	TRAF CONT COMPL	L SUM	1.00	1.00		
70106800	CHANGEABLE MESSAGE SN	CAL MO	16.00	16.00		
70300100	SHRT-TERM PVMNT MARKING	FOOT	4,000.00	4,000.00		

SUMMARY OF QUANTITIES

Item No	Item	Unit	QTY	I000	Y031-1F	Non - Participating
* 78000100	THPL PVT MK LTR & SYM	SQ FT	300.00	300.00		
* 78000400	THPL PVT MK LINE 6	FOOT	19,420.00	19,420.00		
* 78000500	THPL PVT MK LINE 8	FOOT	1,920.00	1,920.00		
* 78000600	THPL PVT MK LINE 12	FOOT	2,030.00	2,030.00		
* 78000650	THPL PVT MK LINE 24	FOOT	305.00	305.00		
* 78100100	RAISED REFL PAVT MKR	EACH	260.00	260.00		
* 80500200	SERV INSTALL TY B	EACH	1.00		1.00	
* 81012300	CON T 1 PVC	FOOT	40.00		40.00	
* 81012600	CON T 2 PVC	FOOT	65.00		65.00	
* 81012800	CON T 3 PVC	FOOT	40.00		40.00	
* 81013000	CON T 4 PVC	FOOT	30.00		30.00	
* 81018900	CON P 4 GALVS	FOOT	245.00		245.00	
* 81306500	REM EX JUNCTION BOX	EACH	3.00		3.00	
* 81400100	HANDHOLE	EACH	1.00		1.00	
* 81400200	HD HANDHOLE	EACH	4.00		4.00	
* 81400300	DBL HANDHOLE	EACH	1.00		1.00	
* 81702110	EC C XLP USE 1C 10	FOOT	1,485.00		1,485.00	
* 81900200	TR & BKFIL F ELECT WK	FOOT	130.00		130.00	
* 87301245	ELCBL C SIGNAL 14 5C	FOOT	1,455.00		1,455.00	
* 87301255	ELCBL C SIGNAL 14 7C	FOOT	1,915.00		1,915.00	
* 87301815	ELCBL C SERV 6 3C	FOOT	70.00		70.00	
* 87500600	TS POST 10	EACH	1.00		1.00	
* 87800100	CONC FDN TY A	FOOT	3.00		3.00	
* 87800200	CONC FDN TY D	FOOT	3.00		3.00	
* 87800400	CONC FDN TY E 30D	FOOT	68.00		68.00	
* 88040090	SH P LED 1F 3S MAM	EACH	8.00		8.00	
* 88040150	SH P LED 1F 5S BM	EACH	6.00		6.00	
* 88040160	SH P LED 1F 5S MAM	EACH	4.00		4.00	
* 88200100	TS BACKPLATE	EACH	12.00		12.00	
* 88700200	LIGHT DETECTOR	EACH	2.00		2.00	
* 88700300	LIGHT DETECTOR AMP	EACH	2.00		2.00	
* 89000100	TEMP TR SIG INSTALL	EACH	1.00		1.00	
* 89501100	RELOC EX TS CONT	EACH	1.00		1.00	
* 89501300	RELOC EX MAA & POLE	EACH	4.00		4.00	
* 89502375	REMOV EX TS EQUIP	EACH	1.00		1.00	
* 89502380	REMOV EX HANDHOLE	EACH	4.00		4.00	
* 89502385	REMOV EX CONC FDN	EACH	5.00		5.00	
* X0301023	CONFIRMATION BEACON	EACH	2.00		2.00	
* X0320837	EM VEH PR SY DUAL D U	EACH	2.00		2.00	
* X0323230	ISLAND SPECIAL	SQ YD	114.00	114.00		
* X0324134	BATT BACKUP SYS/CABNT	EACH	2.00		1.00	1.00
* X0935300	MA STL MONOTUBE 44	EACH	3.00		3.00	
* Z0013798	CONSTRUCTION LAYOUT	L SUM	1.00	1.00		
* Z0029200	GRIND PCC SURFACE	SQ YD	16.00	16.00		
* Z0051500	REM & RESET ST SIGNS	EACH	4.00		4.00	
* Z0075310	TIE-BAR 3/4"	EACH	2,636.00	2,636.00		
* XX000405	BUTT JOINTS SPECIAL	SQ YD	498.00	498.00		
* XX001909	ELCBL C 20 3C	FOOT	605.00		605.00	
* XX002012	REL SIGN SPL	EACH	2.00	2.00		
* XX002185	REL EX LIGHT POLE	EACH	1.00		1.00	
* XX003577	BREAKER RUN AGGREGATE	CU YD	500.00	500.00		
* XX003583	VIDEO ELCBL C 16 3C	FOOT	745.00		745.00	
* XX003584	VIDEO B 8281 CXL CBL C	FOOT	745.00		745.00	
* XX003982	VIDEO VEH DET SYS	L SUM	1.00		1.00	
* XX004114	TEMP TR SIG SYSTEM	EACH	1.00			1.00
* XX004373	REM & RELOCATE INLETS	EACH	2.00	2.00		
* X0322923	SEGMENT CONC BLK WALL	SQ FT	740.00	740.00		
* XX006075	DEPRESS CURB RAMP DIS	SQ FT	188.00	188.00		
* 56400100	FIRE HYDNITS TO BE MVD	EACH	2.00			2.00
* 56100900	WATER MAIN 12	FOOT	20.00			20.00
* 50200400	ROCK EXC STRUCT	CU YD	100.00	100.00		
* 70300200	TEMP PAVT MARKING	FOOT	12,000.00	12,000.00		

* - SPECIALTY ITEMS
 X - SEE SPECIAL PROVISIONS



PERIMETER EROSION BARRIER (FT)	
170+20, 44' RT to 178+00, 75' RT Auburn	840.00
170+70, 39' LT to 178+00, 55' LT Auburn	785.00
179+85, 98' LT to 186+18, 55' LT Auburn	680.00
179+85, 88' RT to 184+85, 38' RT Auburn	540.00
12+35, 43' RT to 19+12, 58' RT Springfield	730.00
14+00, 42' LT to 19+25, 128' LT Springfield	565.00
20+55, 128' LT to 27+92, 45' LT Springfield	795.00
21+00, 58' RT to 26+25, 35' RT Springfield	565.00
TOTAL	5,500.00

TEMPORARY DITCH CHECKS (EA)	
170+00 RT to 178+00 RT Auburn	6.00
170+00 LT to 178+00 LT Auburn	5.00
16+00 LT to 19+00 LT Springfield	2.00
16+00 RT to 19+00 RT Springfield	1.00
TOTAL	14.00

INLET AND PIPE PROTECTION (EA)	
13+79.92, 34.4' RT Spgflid	1.00
16+31.40, 35.4' LT Spgflid	1.00
16+33.91, 37.0' RT Spgflid	1.00
16+46.42, 58.1' LT Spgflid	1.00
16+97.62, 54.6' LT Spgflid	1.00
17+06.24, 35.5' LT Spgflid	1.00
17+94.0, 47.0' LT Spgflid	1.00
18+39.55, 41.4' LT Spgflid	1.00
19+50.34, 49.4' LT Spgflid	1.00
24+48.85, 33.9' RT Spgflid	1.00
24+50.07, 38.3' LT Spgflid	1.00
26+92.12, 33.3' LT Spgflid	1.00
176+73.46, 47.9' LT Abm	1.00
178+32.43, 53.4' LT Abm	1.00
180+12.16, 53.4' LT Abm	1.00
182+41.25, 38.1' LT Abm	1.00
182+42.42, 36.2' RT Abm	1.00
186+04.39, 32.6' LT Abm	1.00
TOTAL	18.00

TREE REMOVAL, 6-15" DIA. (UNIT)	
Auburn	
171+76, 38' RT	10.00
171+78, 42' RT	7.00
171+83, 42' RT	12.00
172+00, 45' RT	7.00
172+00, 45' RT	8.00
172+02, 40' RT	13.00
172+15, 41' RT	7.00
173+14, 37' LT	8.00
173+20, 46' RT	10.00
173+23, 47' RT	10.00
173+25, 47' RT	7.00
173+30, 48' RT	10.00
173+42, 46' RT	7.00
173+42, 42' RT	9.00
173+42, 42' RT	11.00
173+44, 37' LT	11.00
Springfield	
20+98, 40' LT	15.00
21+02, 39' LT	15.00
22+75, 40' LT	15.00
TOTAL	192.00

TREE REMOVAL, OVER 15" DIA. (UNIT)	
Auburn	
172+34, 47' RT	19.00
172+65, 46' RT	17.00
172+65, 46' RT	20.00
172+71, 45' RT	17.00
173+36, 41' RT	16.00
173+38, 45' RT	33.00
173+61, 47' RT	16.00
173+69, 46' RT	16.00
173+72, 44' RT	16.00
176+94, 51' RT	20.00
178+29, 57' RT	20.00
Springfield	
19+11, 67' LT	20.00
TOTAL	230.00

EARTH EXCAVATION (CY)	
169+85 to 186+35 Auburn	4,253.00
12+10 to 27+90 Springfield	3,359.00
TOTAL	7,612.00

RELOCATE SIGN, SPECIAL (EA)	
179+92, 39' LT to 60' LT Auburn	1.00
184+34, 35' LT to 42' LT Auburn	1.00
TOTAL	2.00

MEDIAN REMOVAL (SF)	
177+35to178+89 Auburn	558.00
179+65to180+54 Auburn	345.00
18+03to19+62 Springfield	622.00
20+37to21+48 Springfield	283.00
TOTAL	1,808.00

MEDIAN REMOVAL PD (SF)	
13+73 to 18+03 Springfield	1,701.00
175+00 to 177+35 Auburn	936.00
180+53 to 184+85 Auburn	1,728.00
TOTAL	4,365.00

COMBINATION CURB & GUTTER REMOVAL (FT)	
170+67, 14'RT to 173+62, 22'RT Auburn	300.00
178+25, 28'RT Auburn to 16+81.60, 61.5' LT Spgflid	355.00
16+55.26, 62.4'LT to 13+73.32, 26.0' LT Spgflid	305.00
171+85, 14' LT to 173+49, 14' LT Auburn	170.00
178+25, 28' LT Auburn to 27+91.85, 26.0' LT Spgflid	810.00
12+08.39, 26.0'RT Spgflid to 184+83.88, 26.1'RT Abn	1,260.00
186+34.24, 55.8'LT Abm to 26+22.04, 26.1'RT Spfd	1,260.00
TOTAL	4,460.00

PAVEMENT REMOVAL (SY)	
AUBURN	
178+85, 34 RT	28.40
178+85, 34 LT	28.40
179+65, 31 RT	28.40
179+65, 34 LT	28.00
TOTAL	113.20

GUTTER OUTLET REMOVAL (FT)	
171+75 LT Auburn	45.00
170+50 RT Auburn	40.00
TOTAL	85.00

DRIVEWAY PAVEMENT REMOVAL (SY)	
AUBURN	
PE 170+10 RT	79.40
PE 171+00 RT	60.20
PE 172+91 RT	55.60
PE 173+92 RT	138.90
PE 174+82 RT	216.10
PE 172+66 LT	60.80
PE 173+65 LT	52.00
FE 176+27 LT	-----
CE 180+60 RT	120.00
CE 181+04 LT	105.00
CE 181+73 RT	107.30
CE 183+75 LT	48.30
CE 185+06 LT	48.30
SPRINGFIELD	
PE 14+70 LT	13.30
PE 15+37 LT	20.20
CE 17+98 RT	130.80
CE 19+00 RT	289.00
CE 21+88 RT	44.40
PE 22+36 RT	34.80
PE 23+15 RT	31.10
PE 23+57 RT	28.70
PE 24+75 RT	19.20
PE 25+13 LT	28.30
PE 26+06 LT	35.60
PE 26+28 LT	36.00
TOTAL	1,803.30

CLASS B PATCH, TYPE 2, 9" (SY)	
6' x 12'	
180+54 LT Auburn	8.00
180+74, 12' RT Auburn	8.00
18+76 RT Springfield	8.00
18+90 LT Springfield	8.00
MISC.	
178+85, 37' RT Auburn	9.00
180+19, 24' RT Auburn	6.00
180+45, 12' RT to 180+56, 12' RT Auburn	15.00
19+25, 24' LT Springfield	5.00
19+45, 35' RT Springfield	13.00
TOTAL	80.00

CLASS B PATCH, TYPE 3, 9" (SY)	
6' x 24'	
178+63 LT Auburn	16.00
178+80 LT Auburn	16.00
180+33 RT Auburn	16.00
18+92 RT Springfield	16.00
19+10 RT Springfield	16.00
19+51 RT Springfield	16.00
20+27 RT Springfield	16.00
20+46 RT Springfield	16.00
MISC.	
178+85, 35' LT Auburn	18.00
179+65, 37' LT Auburn	16.00
180+42, 12' LT to 180+57, 12' LT Auburn	21.00
19+67, 12' LT to 19+78, 12' LT Springfield	15.00
20+70, 24' LT Springfield	15.00
TOTAL	213.00

CLASS B PATCH, TYPE 4, 9" (SY)	
180+44 RT (12' W.) to 180+77 RT (12' W.)	44.00
18+73, 12' LT to 18+93, 12' LT Springfield	26.00
TOTAL	70.00

GRINDING PCC SURFACE (SY)	
181+44 RT Auburn	16.00
TOTAL	16.00

FIBER GLASS FABRIC REPAIR SYSTEM (12" WIDE) (SY)	
AUBURN	
178+36 LT	3.00
178+39 RT	3.00
178+50 LT	2.00
178+65, 32' RT	2.00
178+70, 32' LT	2.00
178+80 RT	3.00
178+90, 45' LT	2.00
179+27 LT/RT	2.00
179+65, 40' RT	1.00
179+68 RT	3.00
179+79 LT	3.00
179+83 RT	3.00
179+85, 32' RT	2.00
179+85, 32' LT	2.00
179+96 RT	3.00
180+03, 29' LT	1.00
180+04 LT	3.00
180+08 RT	2.00
180+12, 12' RT	2.00
180+19 LT	3.00
180+32 LT	3.00
180+98 RT	2.00
181+14 LT	3.00
181+44 RT	3.00
181+72 LT	3.00
182+05, 12' RT	2.00
182+10 RT	2.00
182+26, 12' LT	2.00
182+62 RT	4.00
SPRINGFIELD	
18+68, 12' RT	3.00
19+04 LT	3.00
19+21 LT	3.00
19+32 RT	3.00
19+36 LT	3.00
19+47, 12' LT	2.00
19+63, 12' LT	3.00
19+75 RT	3.00
20+00 RT	3.00
20+04 LT	3.00
20+27 LT	3.00
20+42 LT	3.00
20+45, 44' RT	2.00
20+56 LT	3.00
20+59, 34' RT	2.00
20+62 RT	3.00
20+70 LT	3.00
20+76 RT	3.00
20+87 LT	3.00

SEGMENTAL CONCRETE BLOCK WALL (SF)	
171+99.97, 36.8' LT to 172+58.31, 40.1' LT Abm	180.00
172+78.83, 40.0' LT to 173+55.46, 39.9' LT Abm	300.00
23+28.85, 40.0' RT to 23+43.55, 39.8' RT Spgflid	40.00
23+71.15, 39.0' RT to 24+63.28, 37.3' RT Spgflid	190.00
24+87.01, 36.8' RT to 25+00.00, 35.4' RT Spgflid	30.00
TOTAL	740.00

COMBINATION CONC. CURB & GUTTER, TYPE B-6.12 (FT)	
18+68, 96' RT to 19+23, 103' RT Springfield	60.00
180+44, 63' RT to 180+97, 57' RT Auburn	55.00
TOTAL	115.00

COMBINATION CONC. CURB & GUTTER, TYPE B-6.24 (FT)	
171+50.00, 26.6'LT to 173+57.43, 31.1'LT	208.00
170+75.7, 22.5'RT to 173+77.73, 37.7'RT Auburn	302.00
177+81.41, 32.9'RT Auburn to 16+81.60, 61.5'LT Spfd	366.00
16+55.26, 62.4'LT to 13+73.32, 26.0' LT Spgflid	300.00
177+14.60, 34.0'LT Auburn to 27+91.85, 26.0'LT Spgflid	891.00
12+08.39, 26.0'RT Spgflid to 184+83.88, 26.1'RT	1,238.00
186+34.24, 55.8'LT to 182+96.49, 63.5'LT	371.00
182+66.45, 62.1'LT Auburn to 26+22.04, 26.1'RT Spfd	863.00
TOTAL	4,539.00

MIXTURE FOR CRACKS, JOINTS AND FLANGWAYS (TON)	
178+25 to 182+75 Auburn	2.50
18+50 to 21+00 Spmgflid	2.50
TOTAL	5.00

BUTT JOINTS, SPECIAL (SY)	
169+85 to 170+5 Abm	55.00
185+80 to 186+00 Abm	116.00
12+95 to 13+15 Spgflid	116.00
21+80 to 21+50 Spgflid	116.00
Orchard Ave (170+45, 35' LT to 45' LT Auburn)	25.00
LaBelle Ave (182+80, 53' LT to 63' LT Auburn)	35.00
Doris Ave (16+70, 53' LT to 63' LT Springfield)	35.00
TOTAL	498.00

TEMPORARY RAMPS (SY)	
169+85 Auburn	10.00
186+00 Auburn	20.00
12+95 Springfield	20.00
21+50 Springfield	20.00
Orchard Ave (170+45, 45' LT Auburn)	8.00
LaBelle Ave (182+80, 63' LT Auburn)	12.00
Doris Ave (16+70, 63' LT Springfield)	10.00
TOTAL	100.00

DEPRESSED CURB RAMP ACCESSIBLE TO THE DISABLED (SF)	
19+29.22, 68.5' LT Spgflid	47.00
19+34.05, 67.8' RT Spgflid	47.00
20+68.95, 68.6' RT Spgflid	47.00
20+71.72, 69.1' LT Spgflid	47.00
TOTAL	188.00

DETECTABLE WARNINGS (SF)	
19+29.22, 68.5' LT Spgflid	6.00
19+34.05, 67.8' RT Spgflid	6.00
20+68.95, 68.6' RT Spgflid	6.00
20+71.72, 69.1' LT Spgflid	6.00
TOTAL	24.00

MANHOLES TO BE ADJUSTED (EA)	
176+86, 37.1' RT Auburn	1.00
179+55, 37.1' LT Auburn	1.00
180+29, 37.1' RT Auburn	1.00
16+50, 37.1' LT Spgflid	1.00
16+58, 37.1' LT Spgflid	1.00
16+70, 37.1' LT Spgflid	1.00
17+70, 37.1' LT Spg	



TRENCH BACKFILL (CY)	
13+79.92, 30.5' RT Spgflid	1.25
13+92.39, 30.5' LT Spgflid	1.00
16+31.40, 35.4' LT Spgflid	1.00
16+33.91, 32.0' RT Spgflid	1.50
16+06.24, 35.5' LT Spgflid	1.00
17+57.11, 39.1' LT Spgflid	1.00
19+50.34, 49.4' LT Spgflid	1.00
24+48.85, 27.9' RT Spgflid	1.50
24+50.07, 28.3' LT Spgflid	2.50
26+92.12, 28.3' LT Spgflid	1.25
178+64.39, 38.6' LT Aubrm	8.25
179+87.25, 40.8' LT Aubrm	6.25
182+41.25, 28.1' LT Aubrm	2.50
182+42.42, 28.2' RT Aubrm	2.00
186+04.39, 28.6' LT Aubrm	1.25
TOTAL	33.25

SUB-BASE GRANULAR MATERIAL, TYPE B, 12" (SY)	
170+34.35, 12.4' RT Aubrm to 16+81.60, 61.5' LT Spgflid	1,449.00
16+55.26, 62.4' LT to 13+73.32, 26.0' LT Spmgflid	75.00
170+87.25, 16.2' LT Aubrm to 27+91.85, 26.0' LT Spgflid	1,068.00
12+08.39, 26.0' RT Spgflid to 184+83.88, 26.1' RT Abn	893.00
186+33.99, 56.4' LT Aubrm to 26+22.04, 26.1' RT Spfd	802.00
TOTAL	4,287.00

AGGREGATE BASE COURSE, TYPE B (TON)	
6" TH	
AUBURN	
PE 170+10 RT	22.90
PE 171+00 RT	12.90
PE 172+91 RT	17.76
PE 173+92 RT	25.26
PE 174+82 RT	20.20
PE 172+66 LT	13.93
PE 173+65 LT	21.66
FE 176+27 LT	13.60
CE 180+60 RT	---
CE 181+04 LT	25.13
CE 181+73 RT	29.86
CE 183+75 LT	12.53
CE 185+06 LT	12.53
SPRINGFIELD	
PE 14+70 LT	4.13
PE 15+37 LT	3.67
CE 17+98 RT	30.56
CE 19+00 RT	---
CE 21+88 RT	13.95
PE 22+36 RT	6.10
PE 23+15 RT	5.40
PE 23+57 RT	5.93
PE 24+75 RT	5.93
PE 25+13 LT	7.93
PE 26+06 LT	11.00
PE 26+28 LT	11.26
SUB-TOTAL (6" TH)	334.12
12" TH	
170+68, 20' LT to 177+15, 39' LT Auburn	289.94
170+20, 18' RT to 177+82, 39' RT Auburn	339.94
SUB-TOTAL (12" TH)	629.88
TOTAL	964.00

PORTLAND CEMENT CONC. DRIVEWAY PAVEMENT, 6" (SY)	
AUBURN	
CE 181+04 LT	75.40
SPRINGFIELD	
PE 15+37 LT	11.00
CE 17+98 RT	91.70
CE 21+88 RT	41.90
PE 23+15 RT	16.20
PE 23+57 RT	17.80
PE 24+75 RT	17.80
PE 25+13 LT	23.80
PE 26+06 LT	33.00
PE 26+28 LT	33.80
TOTAL	362.40

PCC BASE COURSE 9" (SY)	
170+34.35, 12.4' RT Aubrm to 16+81.60, 61.5' LT Spgflid	1,449.00
16+55.26, 62.4' LT to 13+73.32, 26.0' LT Spmgflid	75.00
170+87.25, 16.2' LT Aubrm to 27+91.85, 26.0' LT Spgflid	1,068.00
12+08.39, 26.0' RT Spgflid to 184+83.88, 26.1' RT Abn	893.00
186+33.99, 56.4' LT Aubrm to 26+22.04, 26.1' RT Spfd	802.00
Med 177+35to178+89 Abrm	62.00
Med 179+65to180+54 Abrm	39.00
Med 18+03to19+62 Spgflid	70.00
Med 20+37to21+48 Spgflid	32.00
TOTAL	4,490.00

TIE BARS 3/4" (EA)	
170+34.35, 12.4' RT Aubrm to 16+81.60, 61.5' LT Spgflid	445.00
16+55.26, 62.4' LT to 13+73.32, 26.0' LT Spmgflid	120.00
170+87.25, 16.2' LT Aubrm to 27+91.85, 26.0' LT Spgflid	599.00
12+08.39, 26.0' RT Spgflid to 184+83.88, 26.1' RT Abn	466.00
186+33.99, 56.4' LT Aubrm to 26+22.04, 26.1' RT Spfd	474.00
Med 177+35to178+89 Abrm	125.00
Med 179+65to180+54 Abrm	73.00
Med 18+03to19+62 Spgflid	128.00
Med 20+37to21+48 Spgflid	88.00
Islans 4 @ 29 ea.	116.00
TOTAL	2,634.00

POLYMERIZED LEVELING BINDER (MACHINE METHOD), N70 (TON)	
169+85 to 186+00 Auburn	900.00
12+95 to 19+67 Springfield	465.00
20+33 to 27+92 Springfield	200.00
TOTAL	1,565.00

POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N70 (TON)	
169+85 to 186+00 Auburn	900.00
12+95 to 19+67 Springfield	465.00
20+33 to 27+92 Springfield	200.00
TOTAL	1,565.00

BITUMINOUS MATERIALS (PRIME COAT) (TON)	
169+85 to 186+00 Auburn	3.35
12+95 to 19+67 Springfield	1.70
20+33 to 27+92 Springfield	0.70
TOTAL	5.75

FIRE HYDRANTS TO BE MOVED (EA)	
Auburn	1.00
180+46.2	1.00
Springfield	1.00
14+86.5	1.00
TOTAL	2.00

AGGREGATE (PRIME COAT) (TON)	
169+85 to 186+00 Auburn	15.95
12+95 to 19+67 Springfield	8.15
20+33 to 27+92 Springfield	3.40
TOTAL	27.50

HMA SHOULDERS, 8" (SY)	
170+68, 20' LT to 177+15, 39' LT Auburn	435.00
170+20, 18' RT to 177+82, 39' RT Auburn	510.00
TOTAL	945.00

INCIDENTAL HOT-MIX ASPHALT SURFACING (TON)	
AUBURN	
PE 170+10 RT	11.54
PE 171+00 RT	6.50
PE 172+91 RT	8.95
PE 173+92 RT	12.73
PE 174+82 RT	10.18
PE 172+66 LT	7.02
PE 173+65 LT	10.92
FE 176+27 LT	6.85
CE 181+73 RT	15.05
CE 183+66 LT	6.32
CE 185+06 LT	6.32
SPRINGFIELD	
PE 14+70 LT	2.08
PE 22+36 RT	3.07
TOTAL	107.53

SHORT TERM PAVEMENT MARKING (FT)	
Auburn	2,000.00
Springfield	2,000.00
TOTAL	4,000.00

THERMOPLASTIC PAVEMENT MARKING - L & S (SF)	
Auburn/Springfield Intersection (2 left arrows + 2 "ONLY" typ.)	
NB Springfield	75.00
SB Springfield	75.00
EB Auburn	75.00
WB Auburn	75.00
TOTAL	300.00

THERMOPLASTIC PAVEMENT MARKING - LINE 6" WHITE (LF)	
Springfield	
13+73L to 178+00R Abm.	675.00
12+08R to 180+00 R Abm.	770.00
178+00L Abm. To 27+92L	825.00
180+00L Abm. To 26+22R	585.00
Auburn	
169+86L to 178+00L	870.00
169+86R to 178+00R	830.00
180+00L to 186+35L	705.00
180+00R to 184+84R	510.00

THERMOPLASTIC PAVEMENT MARKING - LINE 6" WHITE, 10' DASH, 30' SKIP	
Springfield Ave.	
13+73L to 19+44 L	190.00
13+73 R to 19+44 R	190.00
20+56L to 27+92L	190.00
20+56R to 27+92R	190.00
Auburn Rd.	
173+90L to 178+69L	150.00
174+27R to 178+69R	140.00
179+85L to 186+80L	190.00
179+85R to 186+80R	190.00

THERMOPLASTIC PAVEMENT MARKING - LINE 12" (LF)	
Springfield Median	
12+09 to 19+46	3,000.00
20+55 to 27+92	3,020.00
Auburn Median	
170+34 to 178+72	3,340.00
179+82 to 186+80	2,860.00
TOTAL	19,420.00

THERMOPLASTIC PAVEMENT MARKING - LINE 8" (LF)	
8" WHITE	
Springfield	
17+29R to 19+44R	280.00
20+56L to 22+72L	280.00
Auburn Rd.	
176+54R to 178+69R	280.00
179+85L to 181+70L	250.00
Auburn/Springfield Intersection	
NW Island	160.00
NE Island	165.00
SE Island	165.00
SW Island	165.00
8" WHITE, 2' DASH, 6' SKIP	
Springfield Ave.	
15+09R to 17+29R	60.00
Auburn Rd.	
174+34R to 176+54R	60.00
181+70L to 183+70L	55.00
TOTAL	1,920.00

THERMOPLASTIC PAVEMENT MARKING - LINE 12" (LF)	
12" WHITE	
Auburn/Springfield Intersection	
NW Island	75.00
NE Island	80.00
SE Island	95.00
SW Island	95.00
SUB-TOTAL	345.00
12" YELLOW	
Springfield Median	
12+09 to 19+46	420.00
20+55 to 27+92	410.00
Auburn Median	
170+34 to 178+72	450.00
179+82 to 186+80	405.00
SUB-TOTAL	1,685.00
TOTAL	2,030.00

THERMOPLASTIC PAVEMENT MARKING - LINE 24" WHITE (LF)	
Stop Bars	
Auburn/Springfield Intersect. (includes left and right turn lanes)	
NB Springfield	60.00
SB Springfield	60.00
EB Auburn	60.00
WB Auburn	60.00
Springfield/Doris Ave.	15.00
Auburn/Orchard Ave.	15.00
Auburn/LaBelle Ave.	20.00
Auburn/Blueridge Ave.	15.00
TOTAL	305.00

RAISED REFLECTIVE PAVEMENT MARKER (EA)	
Auburn	130.00
Springfield	130.00
TOTAL	260.00

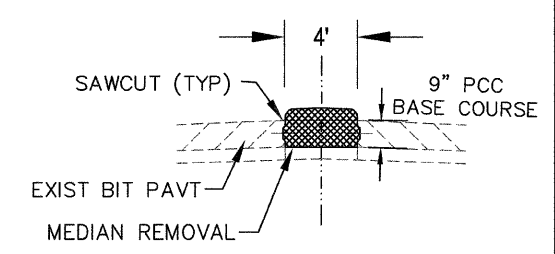
WATER MAIN 12" (FT)	
Auburn	
177+05	20.00
TOTAL	20.00

TOPSOIL F & P, 4" (SY)	
Auburn	
169+85LT to 170+35LT	97.00
170+55LT to 172+60LT	290.00
170+20RT to 170+95RT	194.00
171+05RT to 172+85 RT	339.00
172+70LT to 173+60LT	49.00
172+95RT to 173+80RT	145.00
173+70LT to 25+05LT Sp	1,355.00
174+05RT to 174+70RT	145.00
174+90RT to 16+80LT Sp	1,597.00
21+65RT Sp to 182+65LT	436.00
18+05RT Sp to 181+55RT	774.00
181+95RT to 185+00RT	436.00
183+00LT to 184+90LT	194.00
185+25LT to 186+35LT	97.00
Springfield	
12+10RT to 17+65RT	1210.00
13+75LT to 15+30LT	194.00
15+45LT to 16+55LT	145.00
22+05RT to 23+50RT	48.00
23+65RT to 24+70RT	48.00
24+80RT to 26+25RT	145.00
25+20LT to 26+00LT	97.00
26+35LT to 27+90LT	194.00
TOTAL	8,229.00

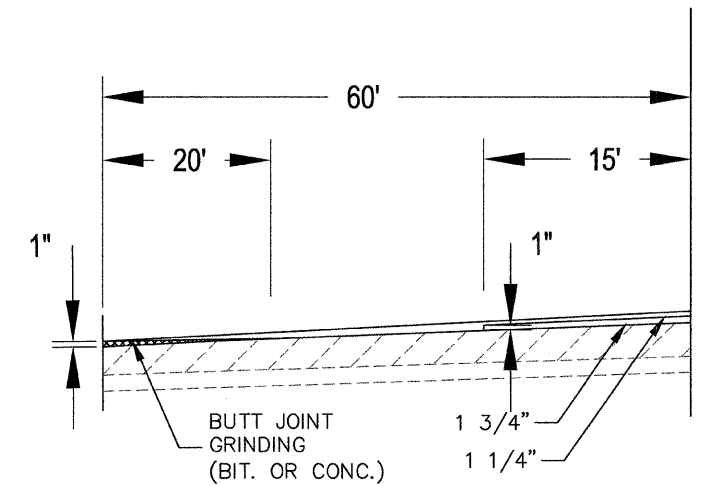
SEEDING, CLASS 1A (ACRE)	
Auburn	
169+85LT to 170+35LT	0.02
170+55LT to 172+60LT	0.06
170+20RT to 170+95RT	0.04
171+05RT to 172+85 RT	0.07
172+70LT to 173+60LT	0.01
172+95RT to 173+80RT	0.03
173+70LT to 25+05LT Sp	0.28
174+05RT to 174+70RT	0.03
174+90RT to 16+80LT Sp	0.33
21+65RT Sp to 182+65LT	0.09
18+05RT Sp to 181+55RT	0.16
181+95RT to 185+00RT	0.09
183+00LT to 184+90LT	0.04
185+25LT to 186+35LT	0.02
Springfield	
12+10RT to 17+65RT	0.25
13+75LT to 15+30LT	0.04
15+45LT to 16+55LT	0.03
22+05RT to 23+50RT	0.01
23+65RT to 24+70RT	0.01
24+80RT to 26+25RT	0.03
25+20LT to 26+00LT	0.02
26+35LT to 27+90LT	0.04
TOTAL	1.70

NITROGEN FERTILIZER NUTRIENT (LB)	
Auburn	
169+85LT to 170+35LT	1.80
170+55LT to 172+60LT	5.40
170+20RT to 170+95RT	3.60
171+05RT to 172+85 RT	6.15
172+70LT to 173+60LT	0.90
172+95RT to 173+80RT	85.00
173+70LT to 177+25LT	355.00
174+05RT to 174+70RT	65.00
174+90RT to 18+00LT Sp	480.00
TOTAL	1,635.00
Springfield	
12+10RT to 17+65RT	22.5
13+75LT to 15+30LT	3.60
15+45LT to 16+55LT	2.70
22+05RT to 23+50RT	0.90
23+65RT to 24+70RT	0.90
24+80RT to 26+25RT	2.70
25+20LT to 26+00LT	1.80
26+35LT to 27+90LT	3.60
TOTAL	152.85

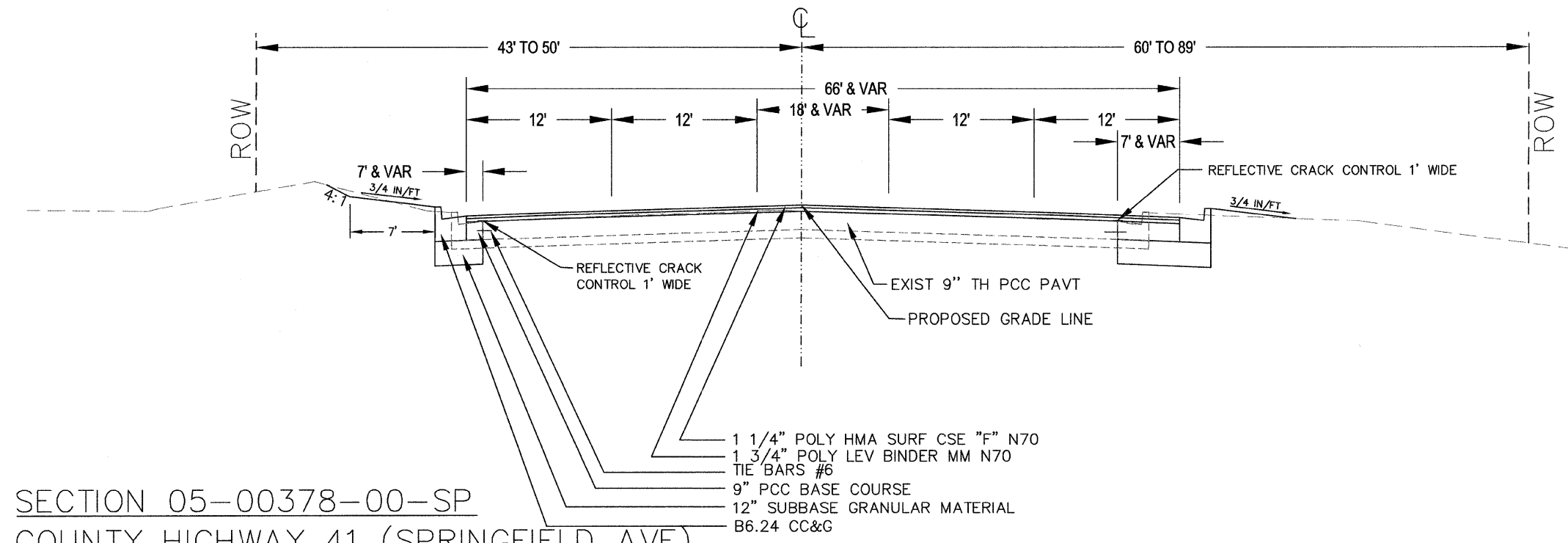
PHOSPHORUS FERTILIZER NUTRIENT (LB)	
Auburn	
169+85LT to 170+35LT	1.80
170+55LT to 172+60LT	5.40
170+20RT to 170+95RT	3.60
171+05RT to 172+85 RT	6.15
172+70LT to 173+60LT	0.90
172+95RT to 173+80RT	2.70
173+70LT to 25+05LT Sp	25.20
174+05RT to 174+70RT	2.70
174+90RT to 16+80LT Sp	29.70
21+65RT Sp to 182+65LT	8.10
18+05RT Sp to 181+55RT	14.40
181+95RT to 185+00RT	8.10
183+00LT to 184+90LT	3.60
185+25LT to 186+35LT	1.80
Springfield	
12+10RT to 17+65RT	22.5
13+75LT to 15+30LT	3.60
15+45LT to 16+55LT	2.70
22+05RT to 23+50RT	0.90
23+65RT to 24+70RT	



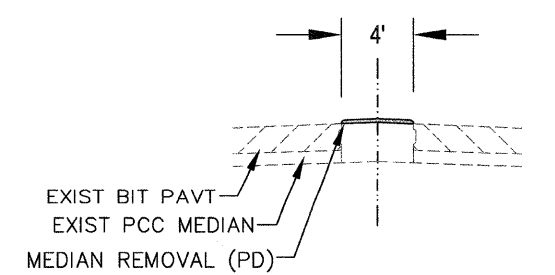
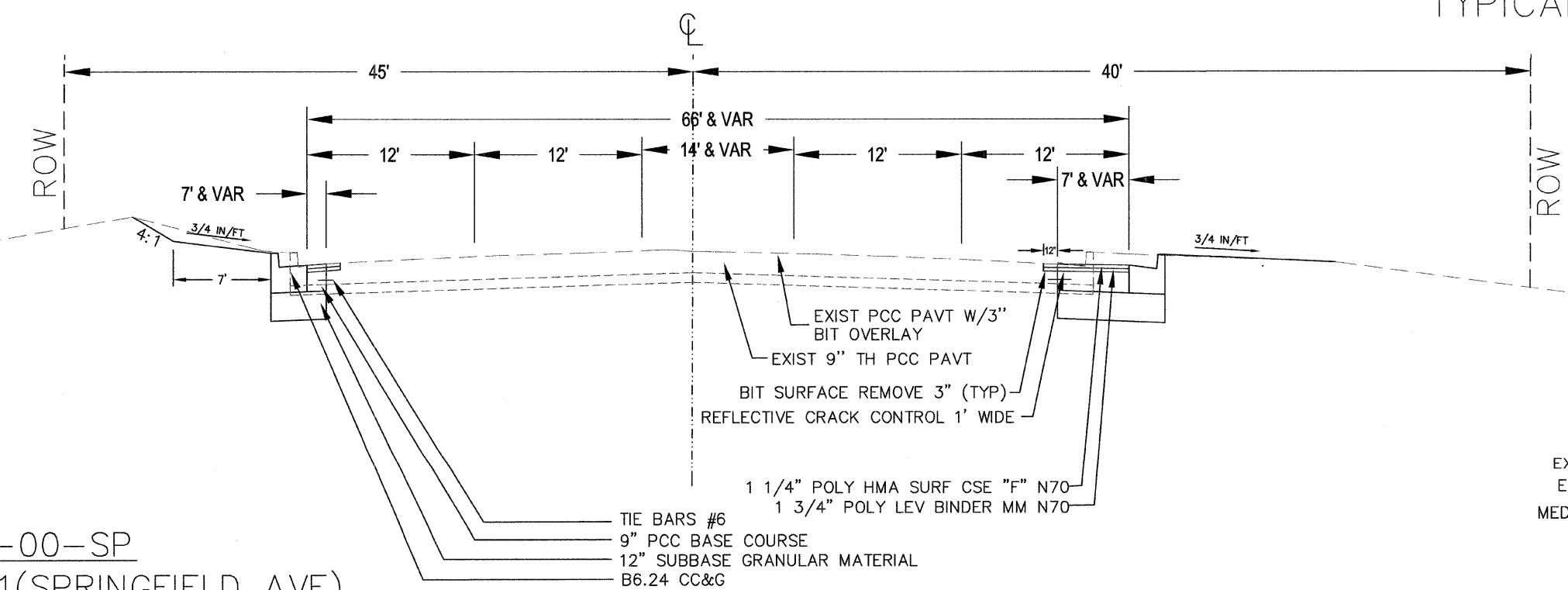
TYPICAL MEDIAN REMOVAL



TYPICAL 60' TAPER

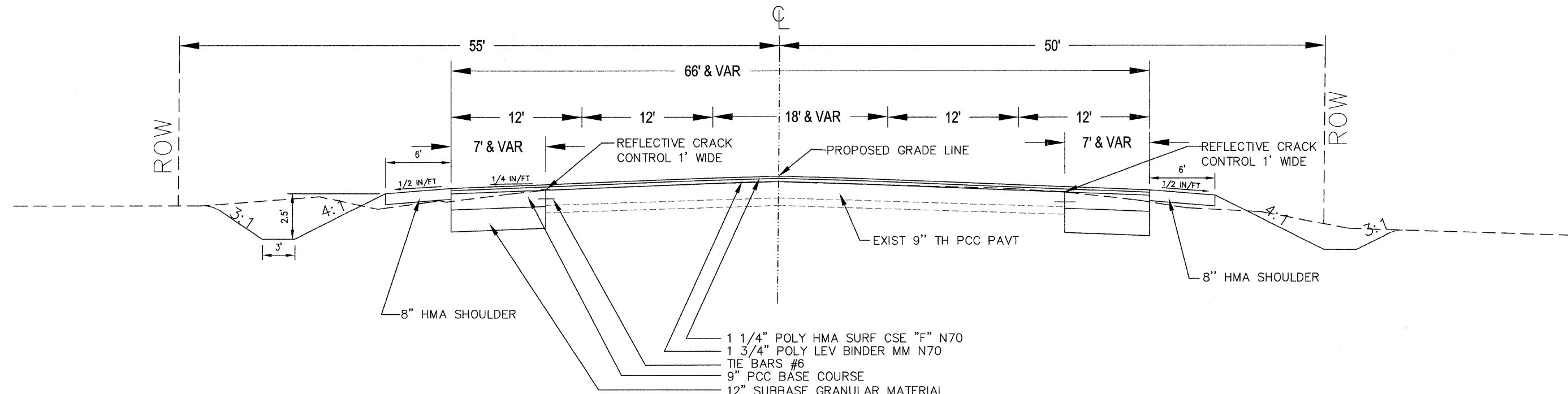


SECTION 05-00378-00-SP
 COUNTY HIGHWAY 41 (SPRINGFIELD AVE)
 STA. 12+08.61 TO STA. 21+50

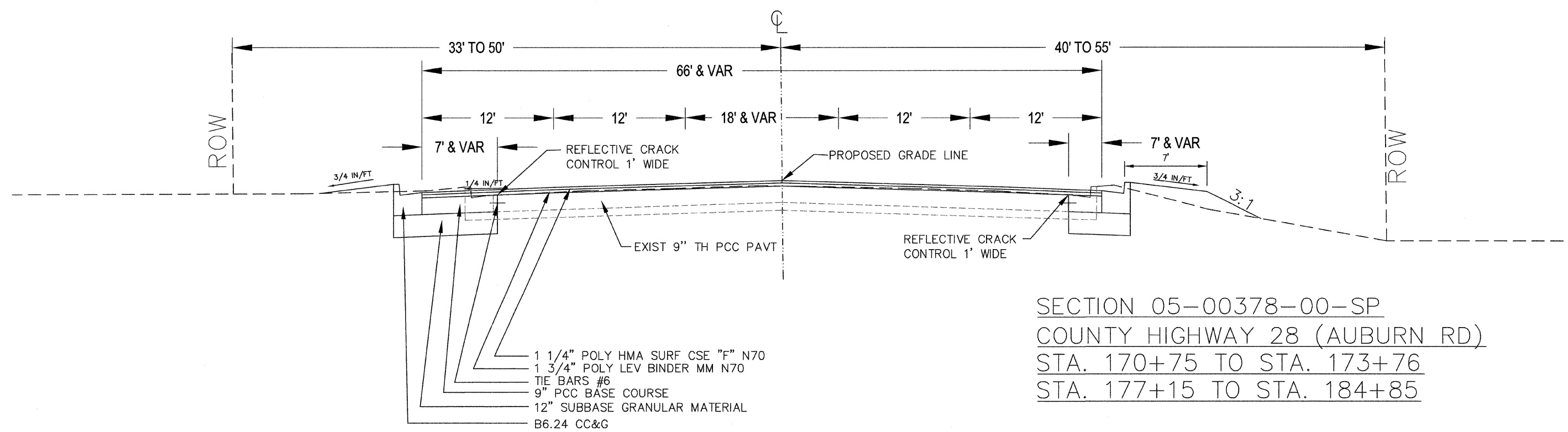


TYPICAL MEDIAN REMOVAL (PD)

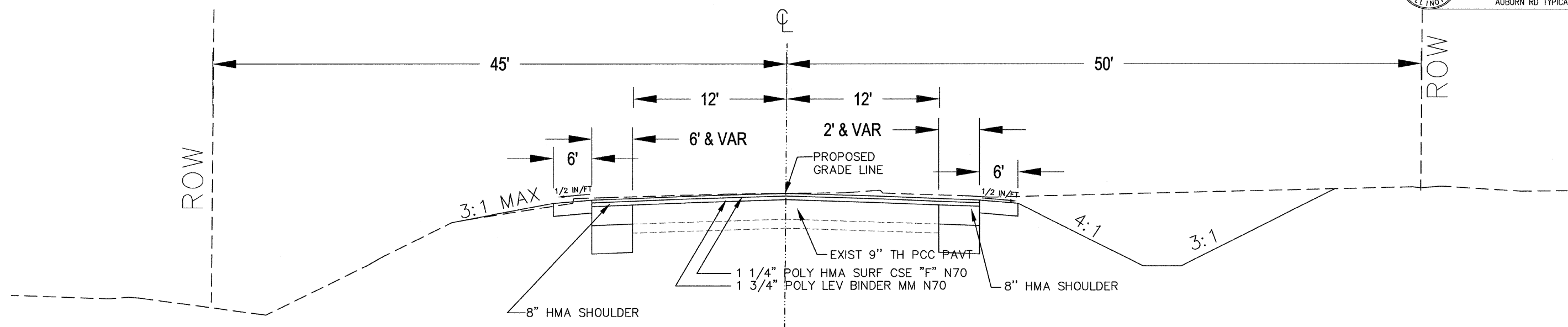
SECTION 05-00378-00-SP
 COUNTY HIGHWAY 41 (SPRINGFIELD AVE)
 STA. 21+50 TO STA. 27+91.7



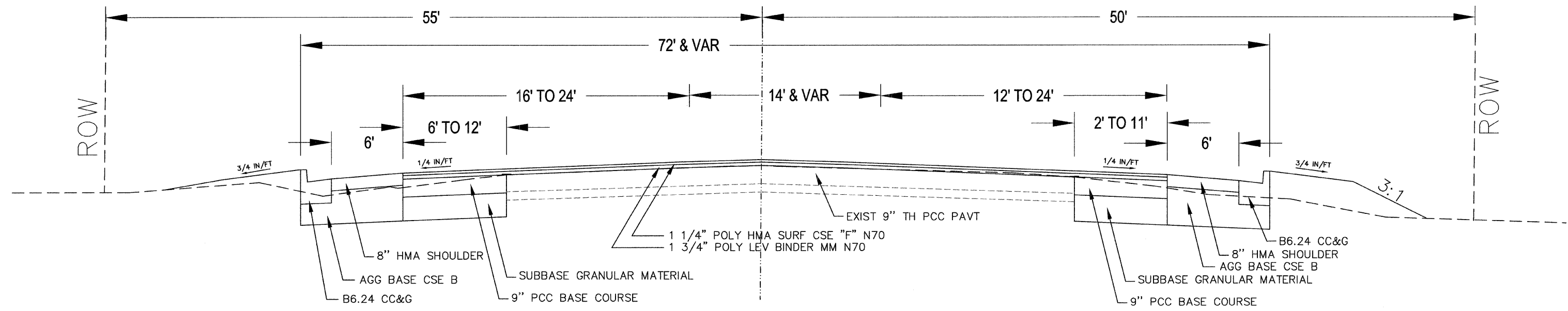
SECTION 05-00378-00-SP
COUNTY HIGHWAY 28 (AUBURN RD)
STA. 173+76 TO STA. 177+15



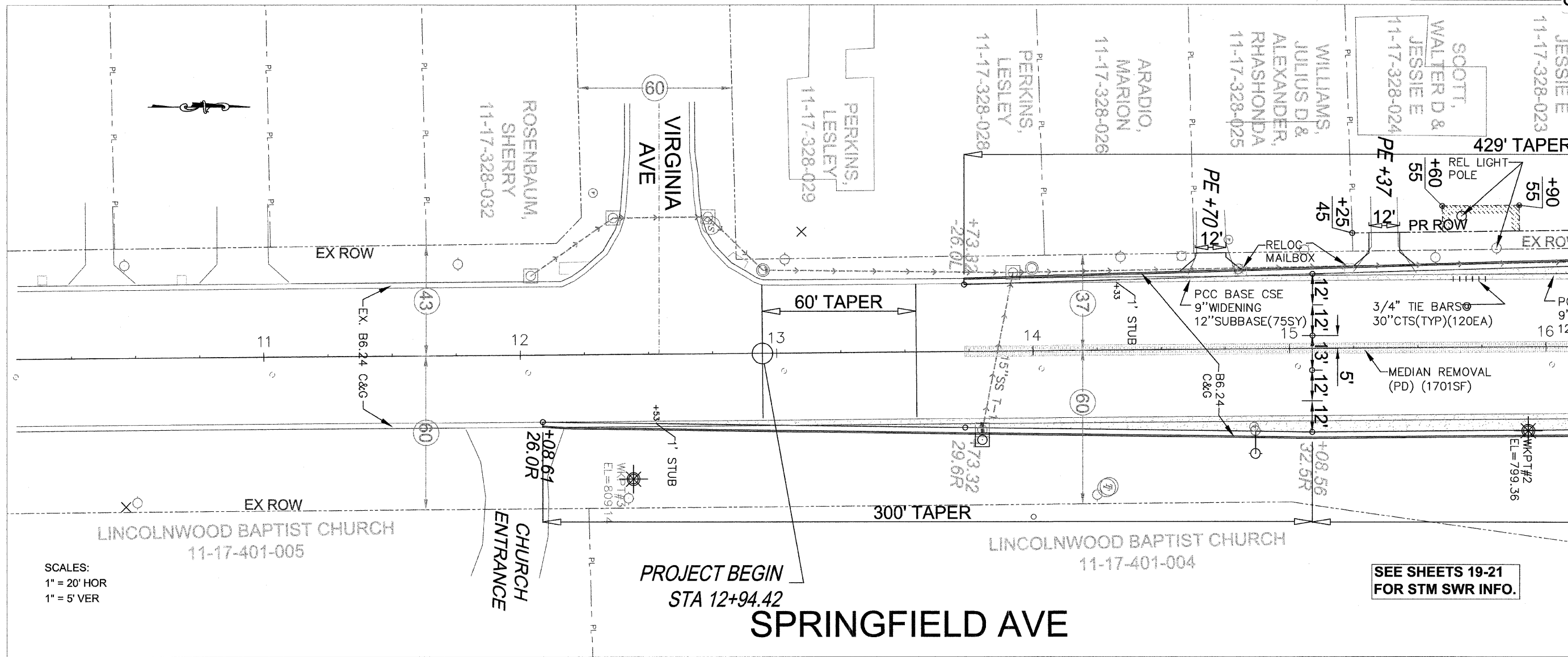
SECTION 05-00378-00-SP
COUNTY HIGHWAY 28 (AUBURN RD)
STA. 170+75 TO STA. 173+76
STA. 177+15 TO STA. 184+85



SECTION 05-00378-00-SP
 COUNTY HIGHWAY 28 (AUBURN RD)
 STA. 169+85.76 RT TO STA. 170+63 RT
 STA. 169+85.76 LT TO STA. 171+40 LT

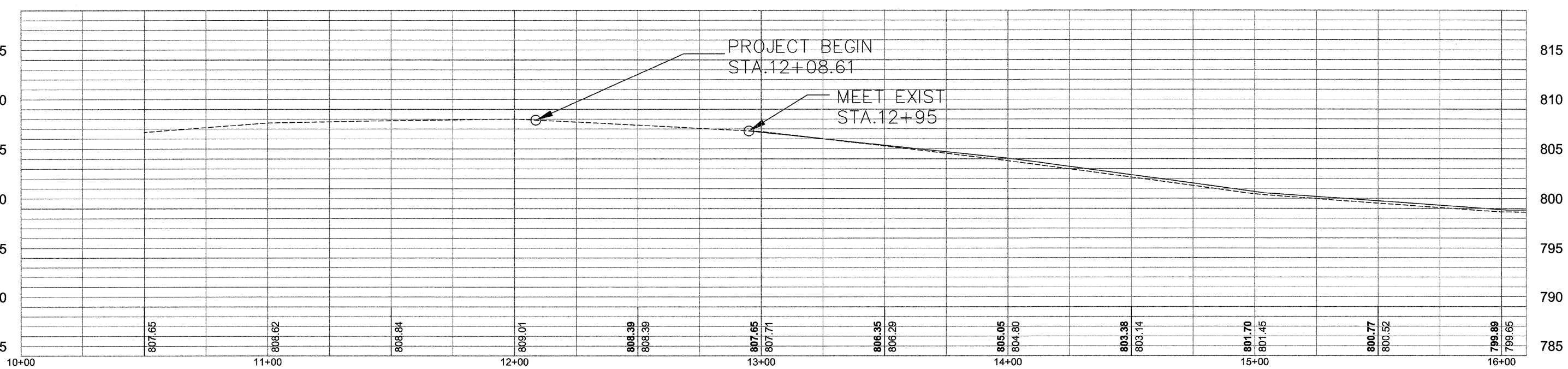


SECTION 05-00378-00-SP
 COUNTY HIGHWAY 28 (AUBURN RD)
 STA. 170+63 RT TO STA. 174+63 RT
 STA. 171+40 LT TO STA. 173+52 LT



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

SEE SHEETS 19-21
FOR STM SWR INFO.



SPRINGFIELD AVE
PLAN & PROFILE



AUBURN RD

SPRINGFIELD AVE

SEE SHEETS 19-21
FOR STM SWR INFO.

STRAUTKALNS,
TALIVALDIS &
ALDELA M
11-17-326-012

STRAUTKALNS,
TALIVALDIS & ALDELA M
11-17-326-012

2-Centered
Coumpound
85'R-350'R
12' O/S

2-Centered
Coumpound
85'R-350'R
12' O/S

2-Centered
Coumpound
85'R-350'R
12' O/S

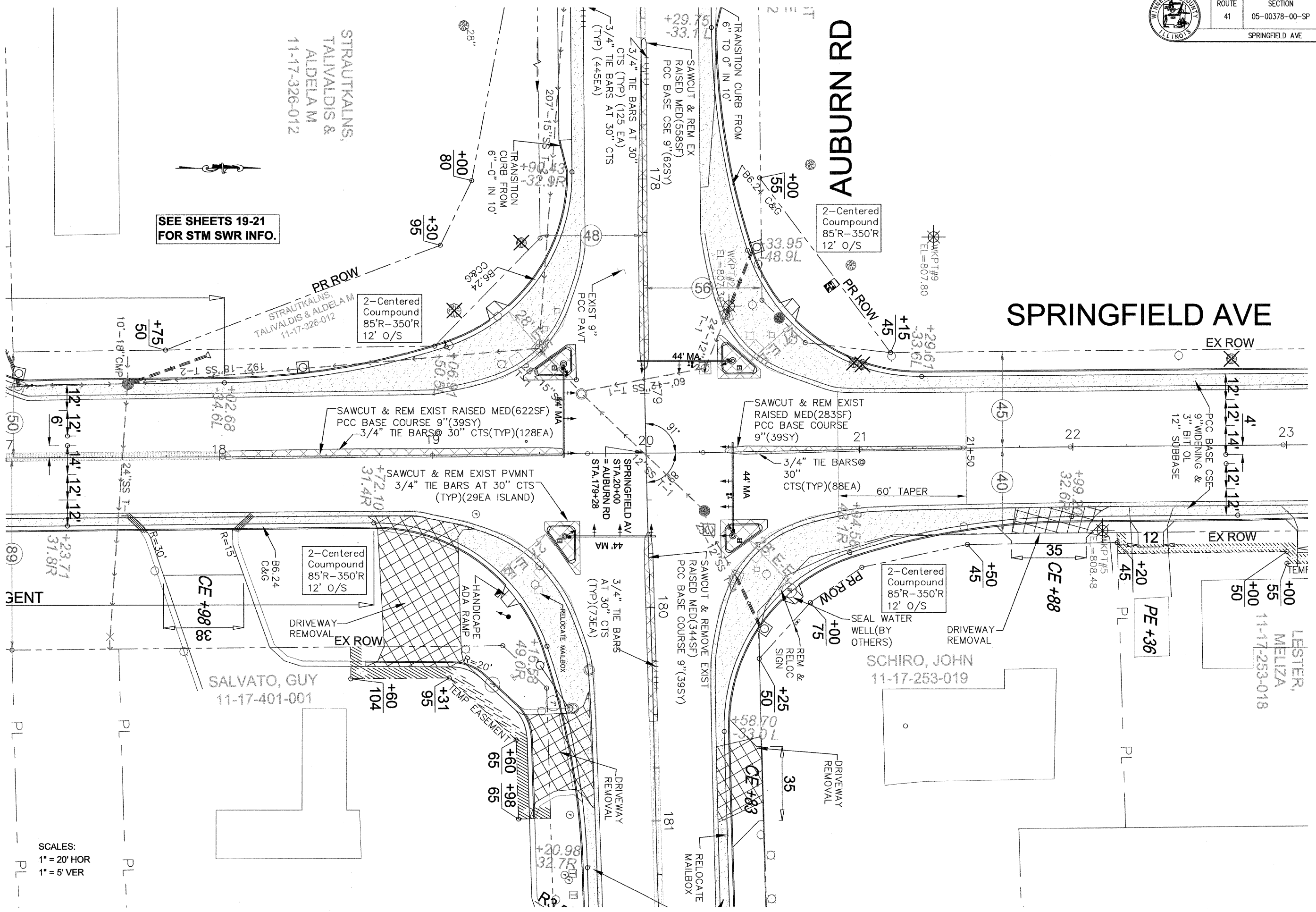
2-Centered
Coumpound
85'R-350'R
12' O/S

LESTER,
MELIZA
11-17-253-018

SCHIRO, JOHN
11-17-253-019

SALVATO, GUY
11-17-401-001

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

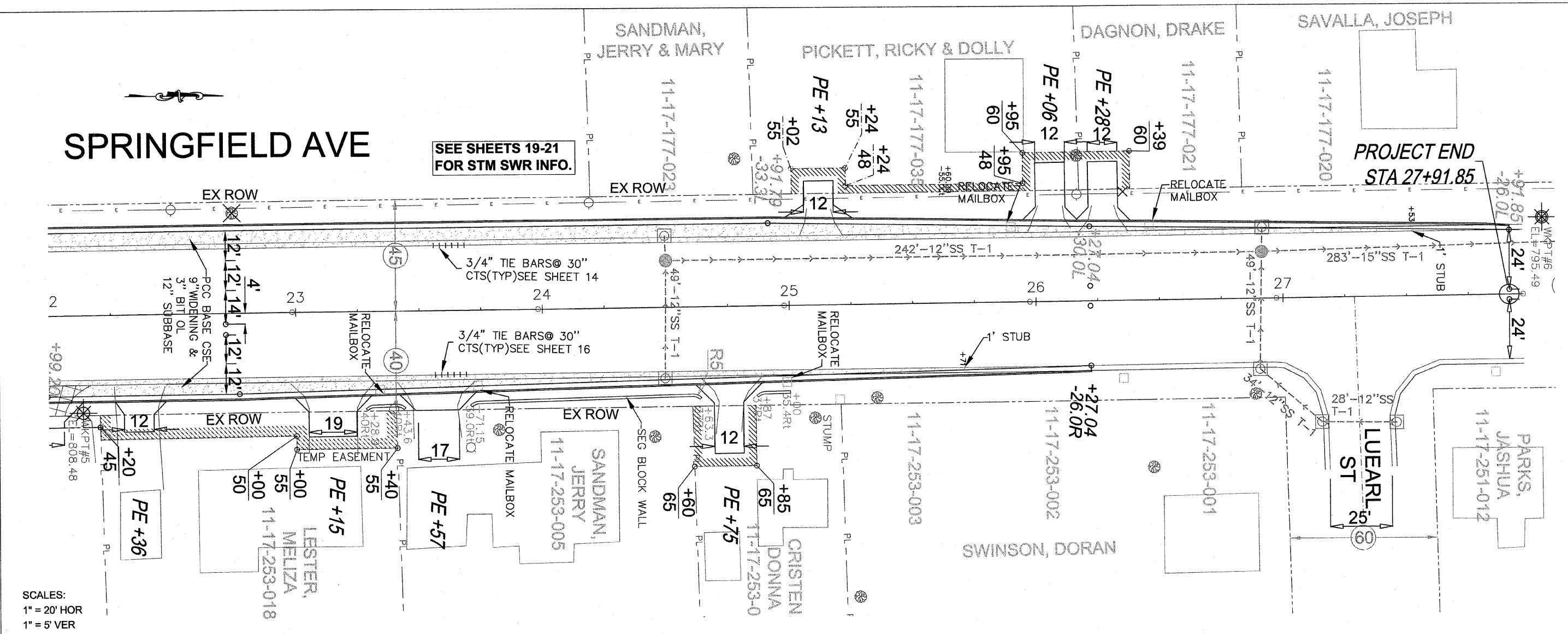




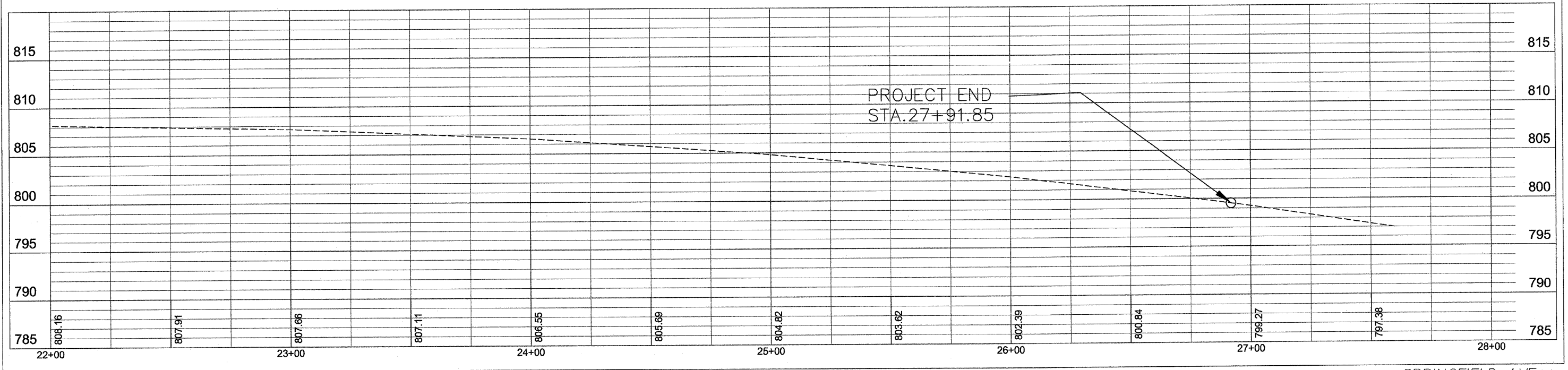
SPRINGFIELD AVE

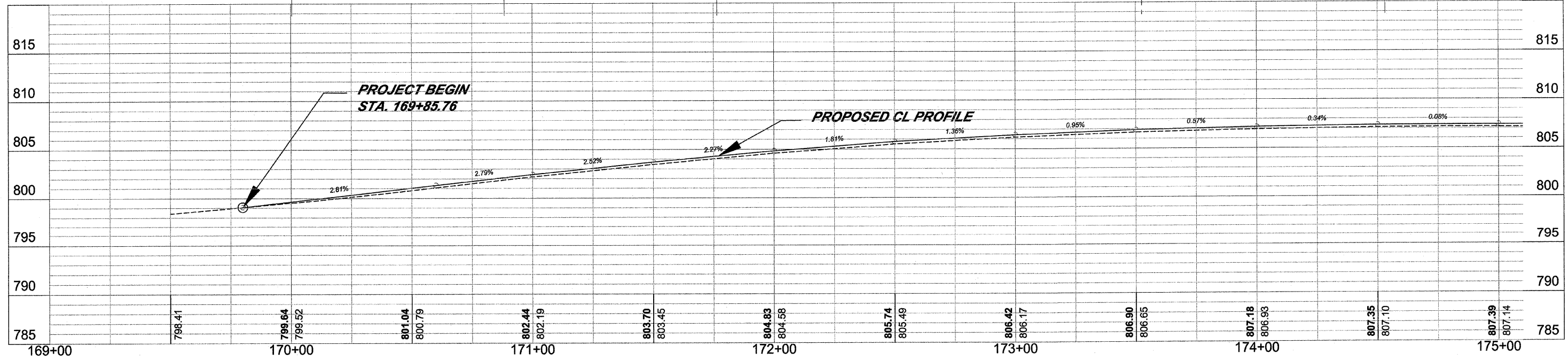
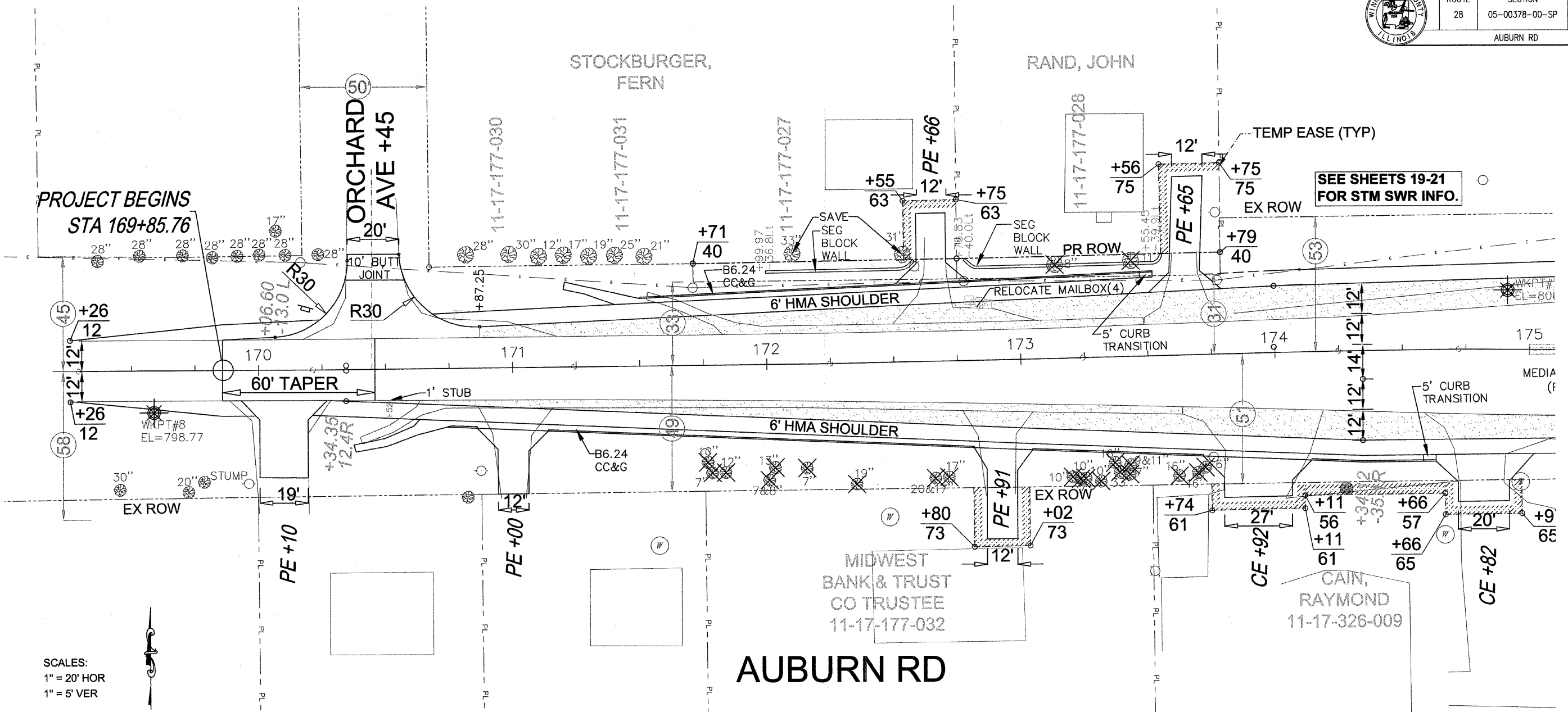
SEE SHEETS 19-21 FOR STM SWR INFO.

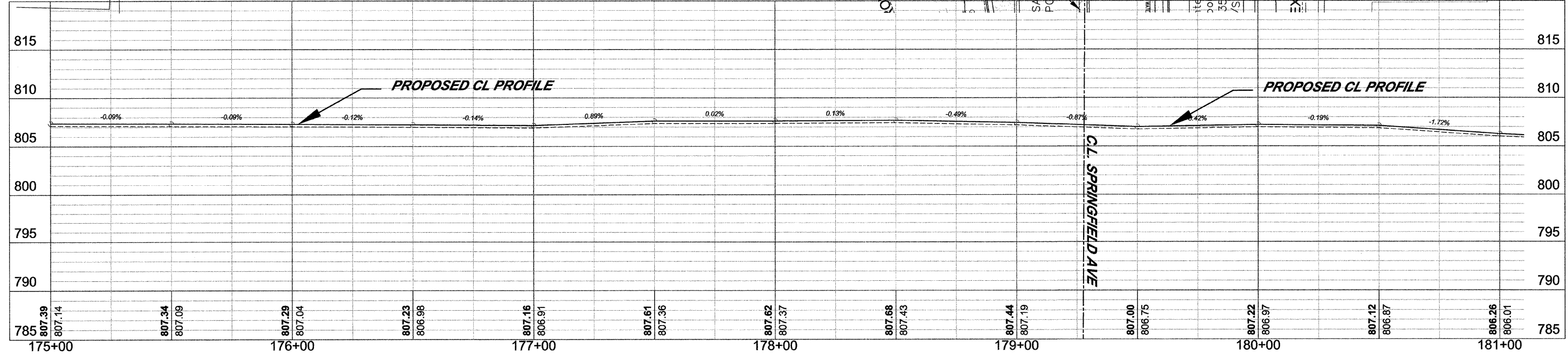
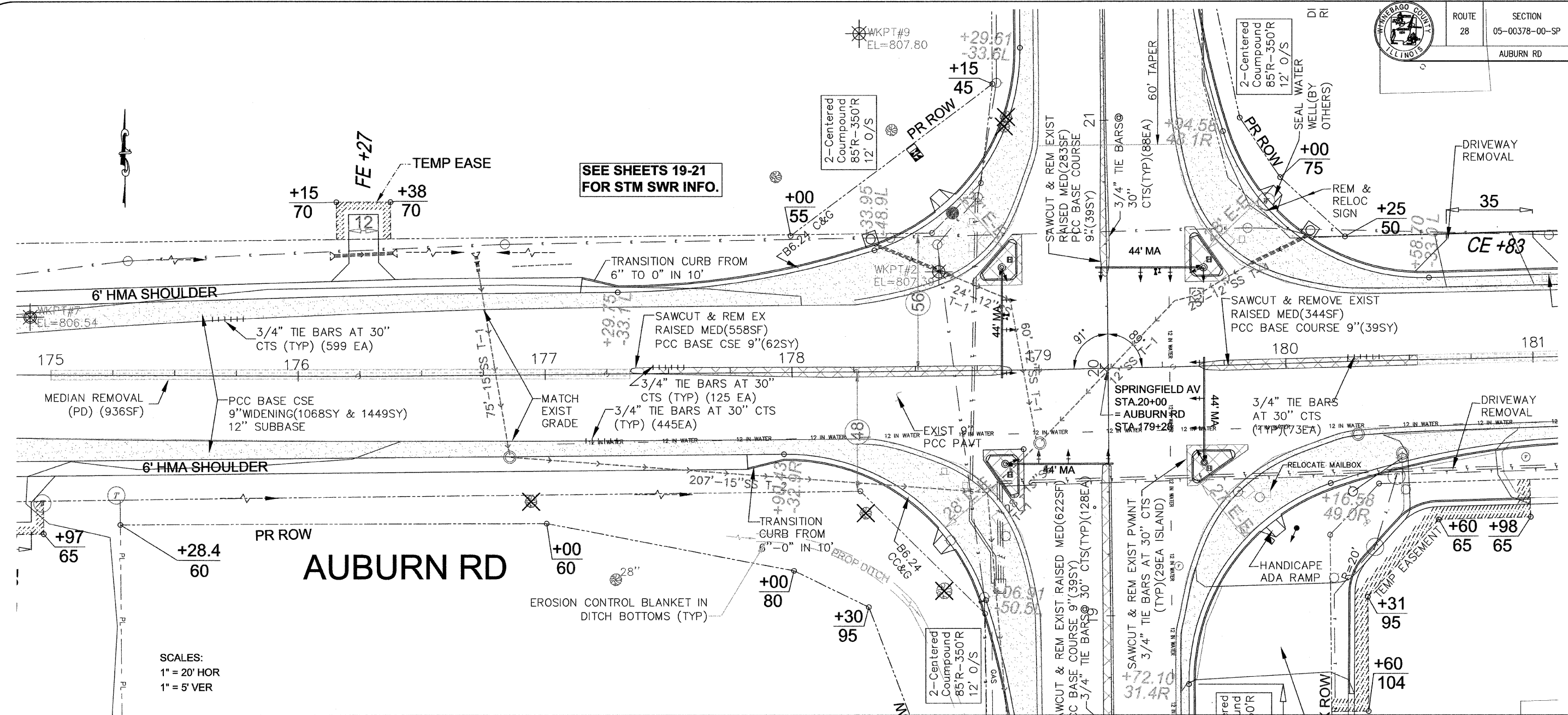
PROJECT END STA 27+91.85

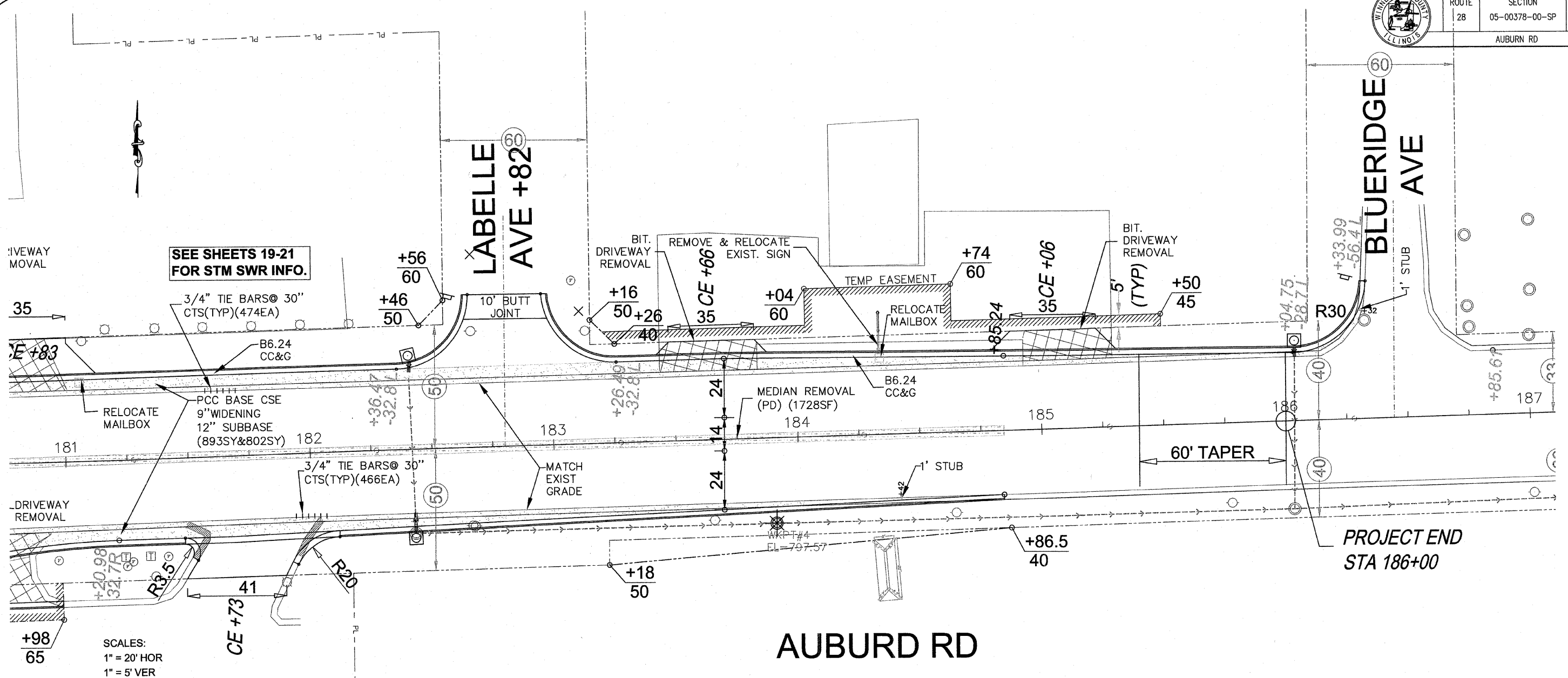


SCALES:
 1" = 20' HOR
 1" = 5' VER

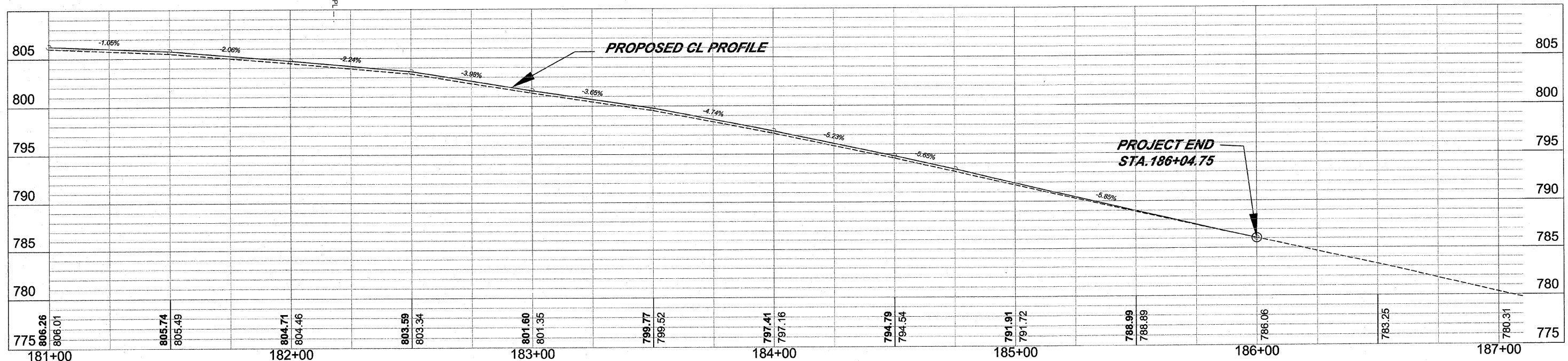






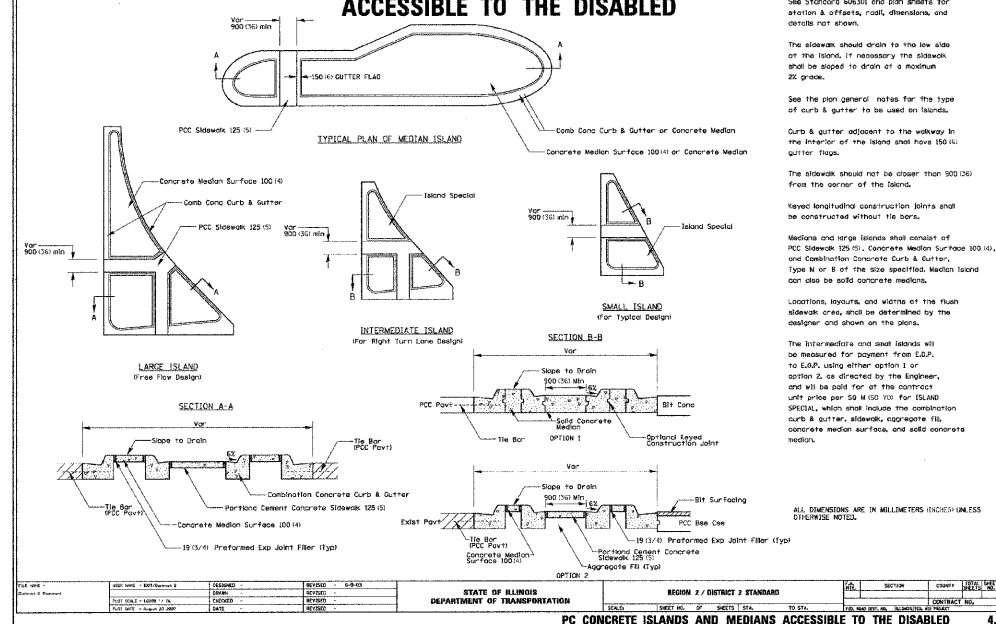


SCALES:
1" = 20' HOR
1" = 5' VER



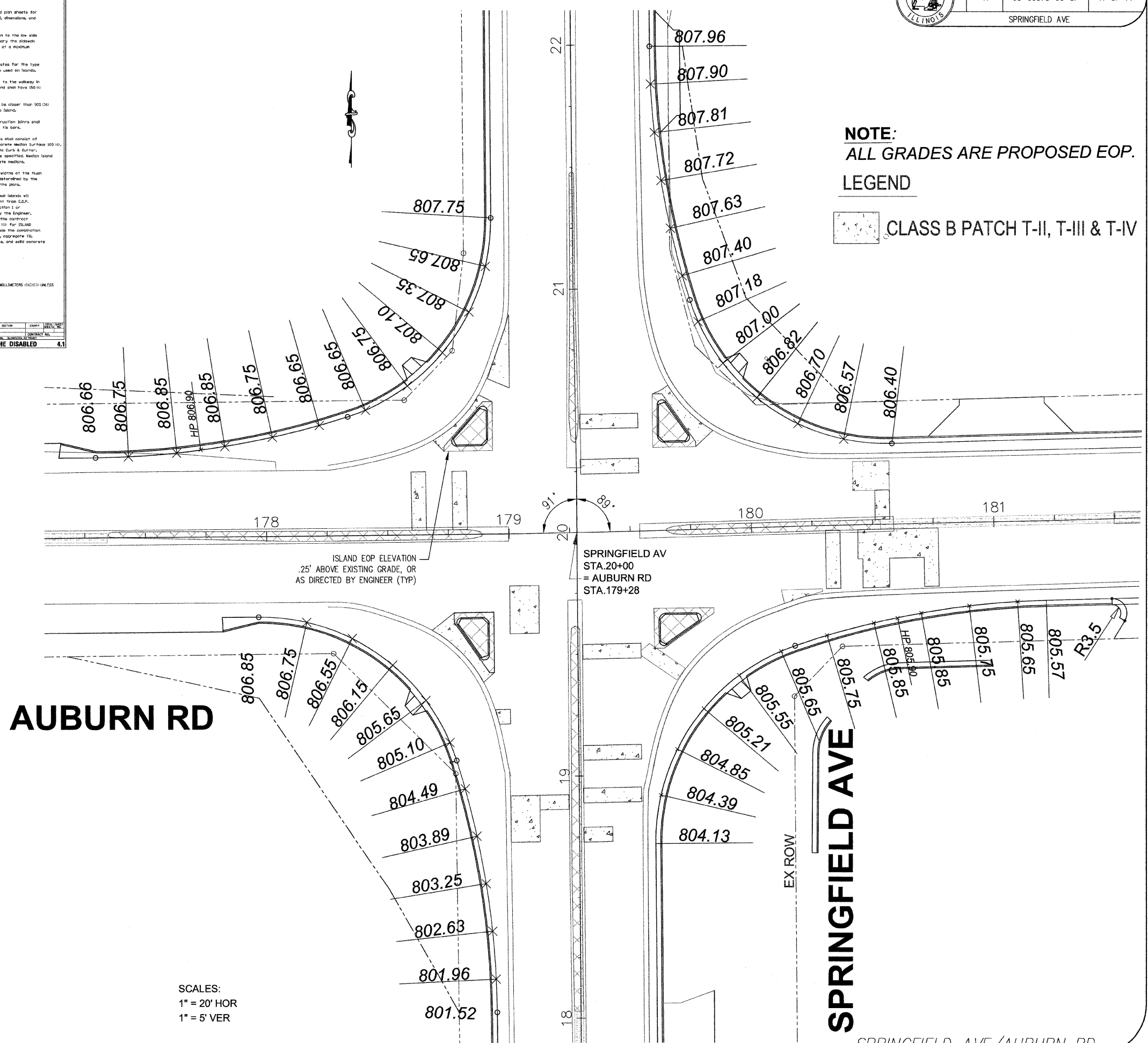


PC CONCRETE ISLANDS AND MEDIANS ACCESSIBLE TO THE DISABLED

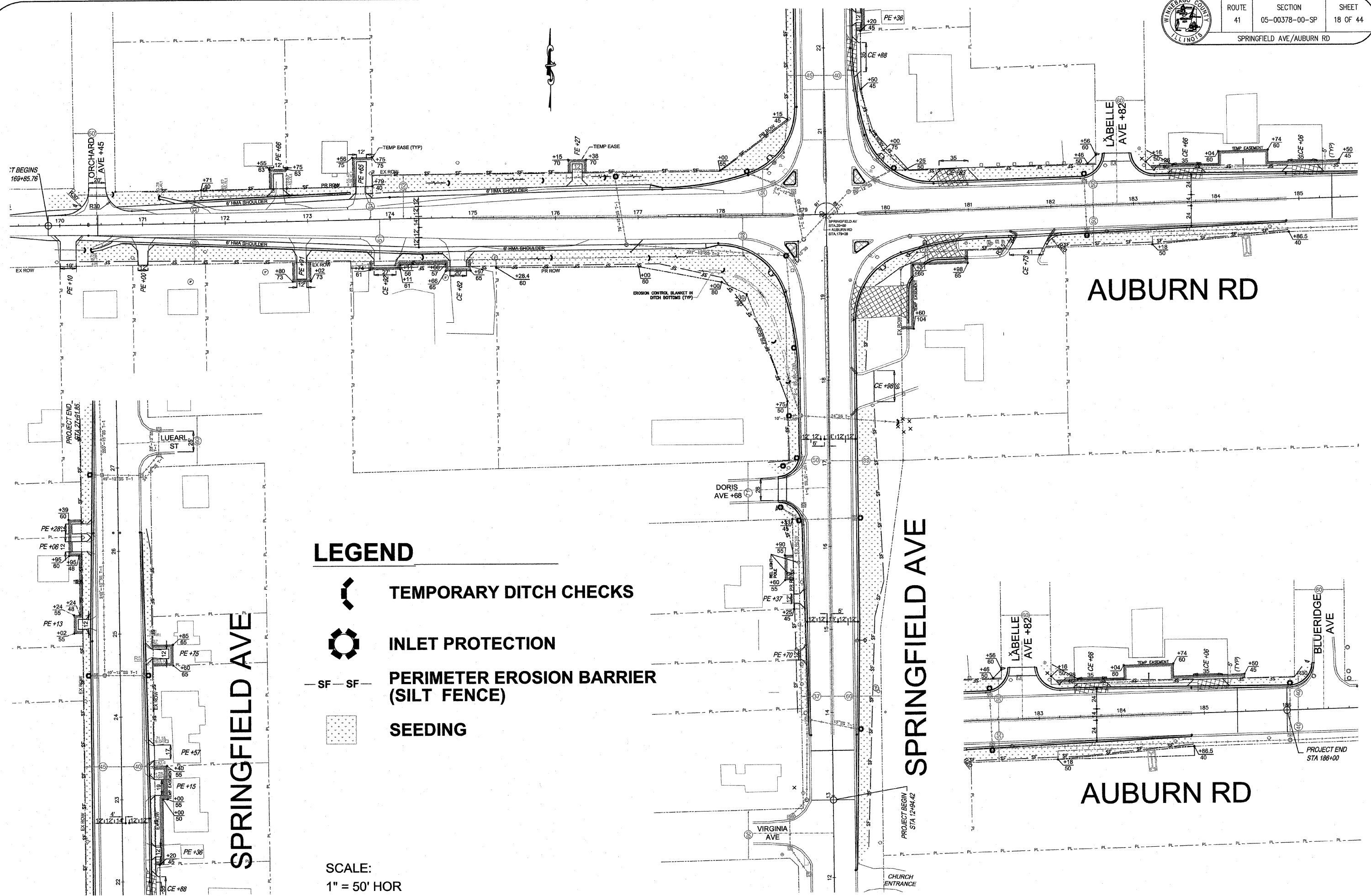


NOTE:
 ALL GRADES ARE PROPOSED EOP.



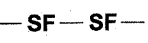

LEGEND
 CLASS B PATCH T-II, T-III & T-IV



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



LEGEND

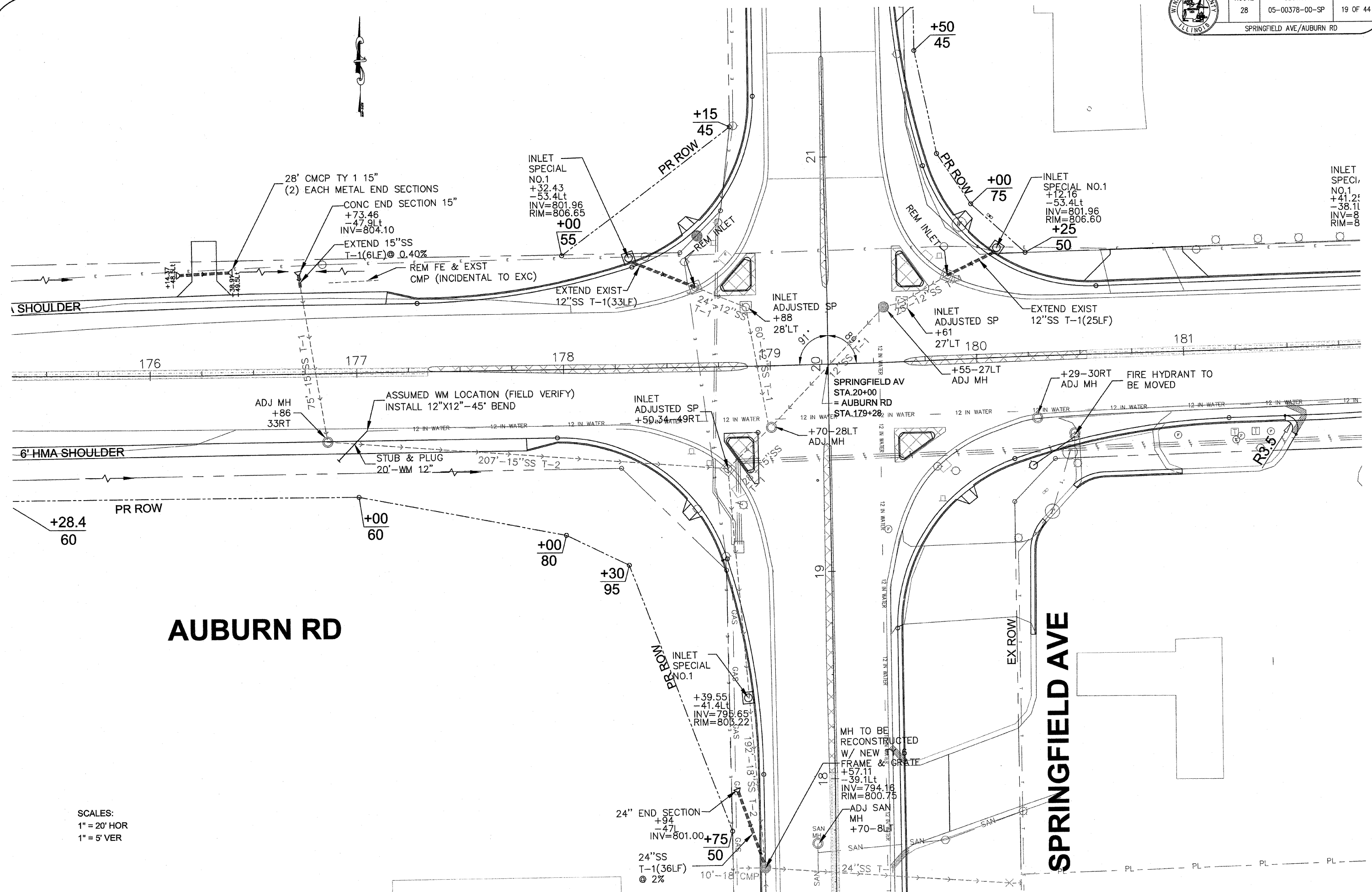
-  TEMPORARY DITCH CHECKS
-  INLET PROTECTION
-  PERIMETER EROSION BARRIER (SILT FENCE)
-  SEEDING

SCALE:
1" = 50' HOR

AUBURN RD

SPRINGFIELD AVE

AUBURN RD



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

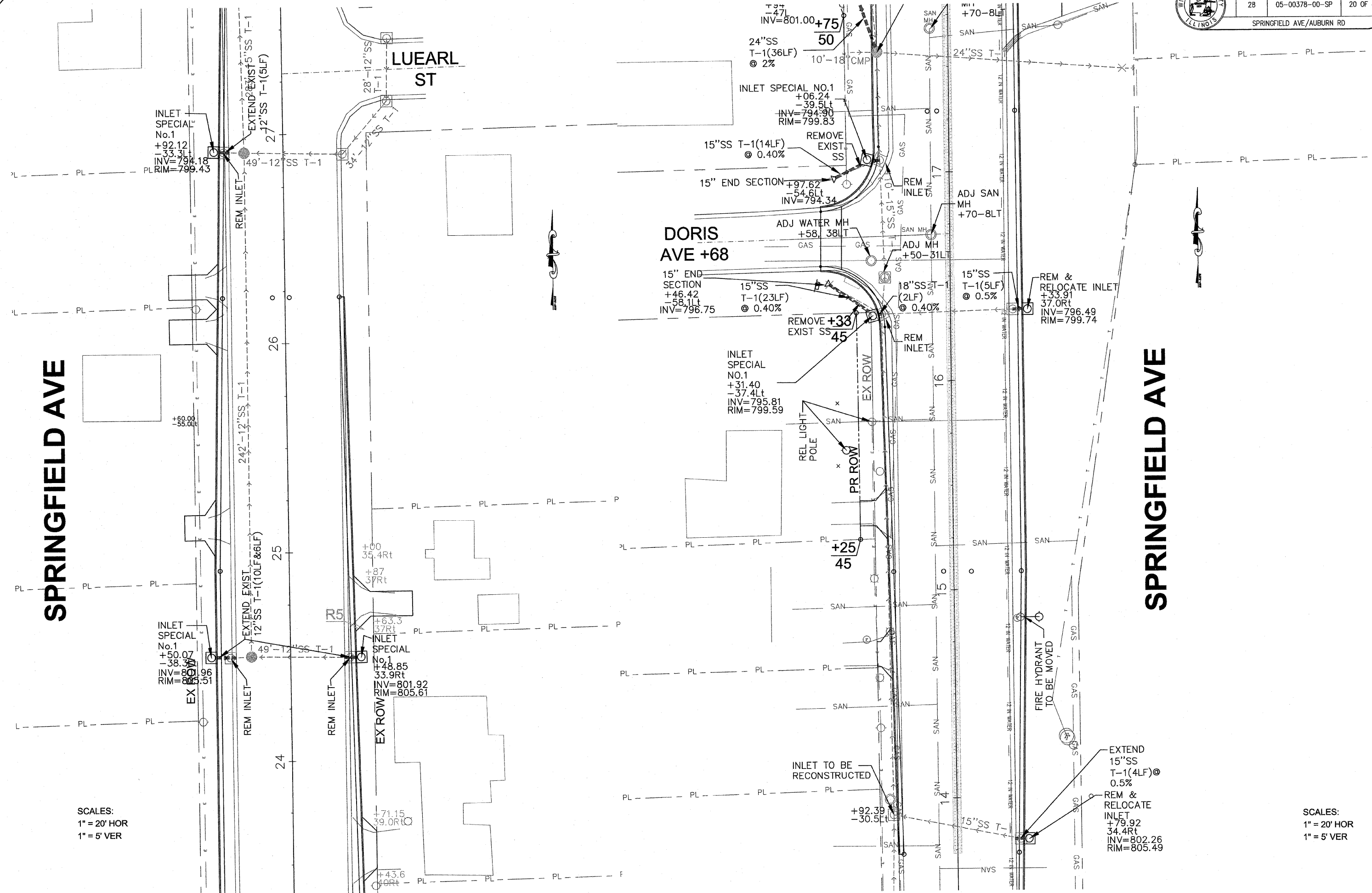
AUBURN RD

SPRINGFIELD AVE



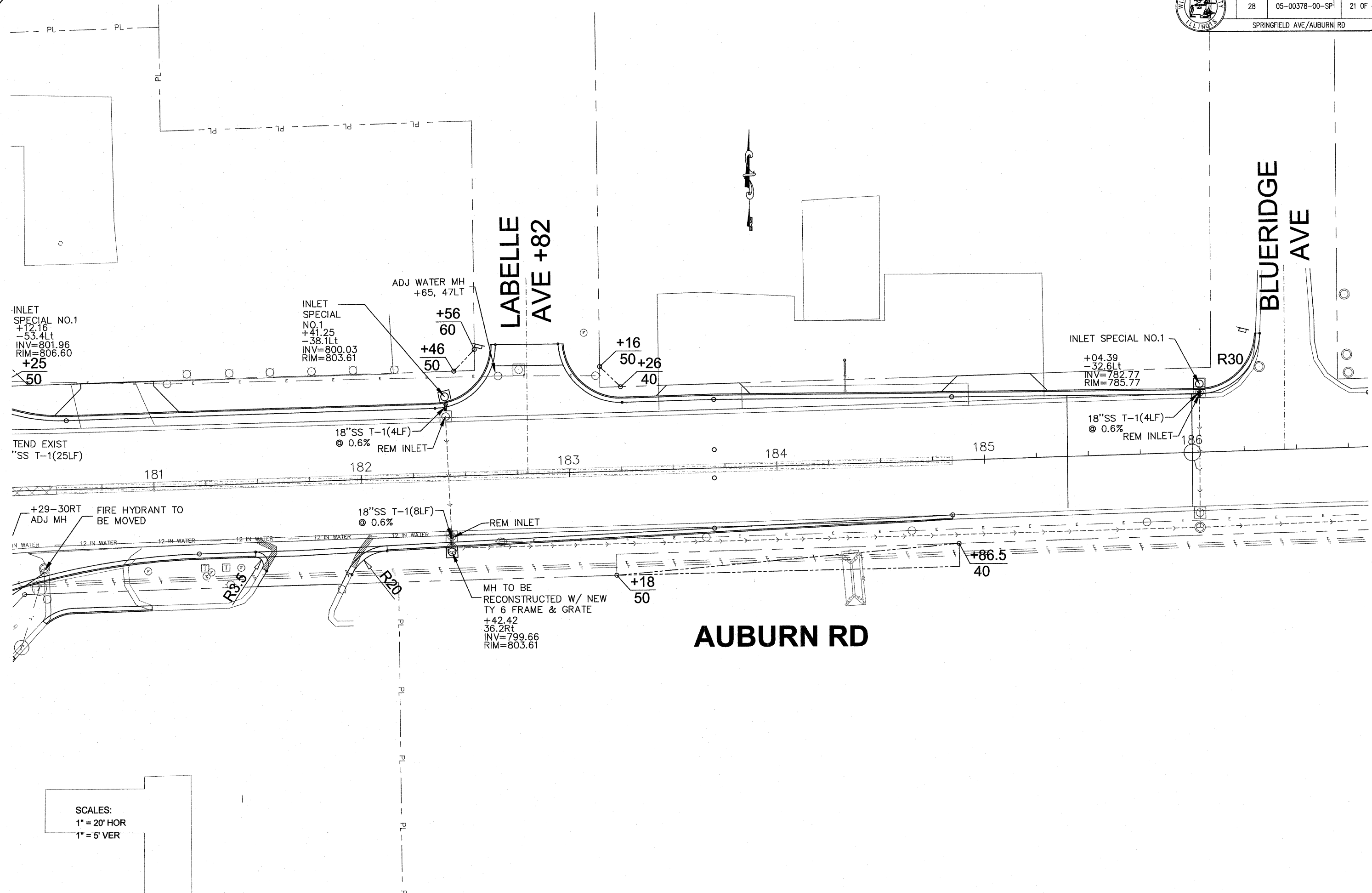
SPRINGFIELD AVE

SPRINGFIELD AVE



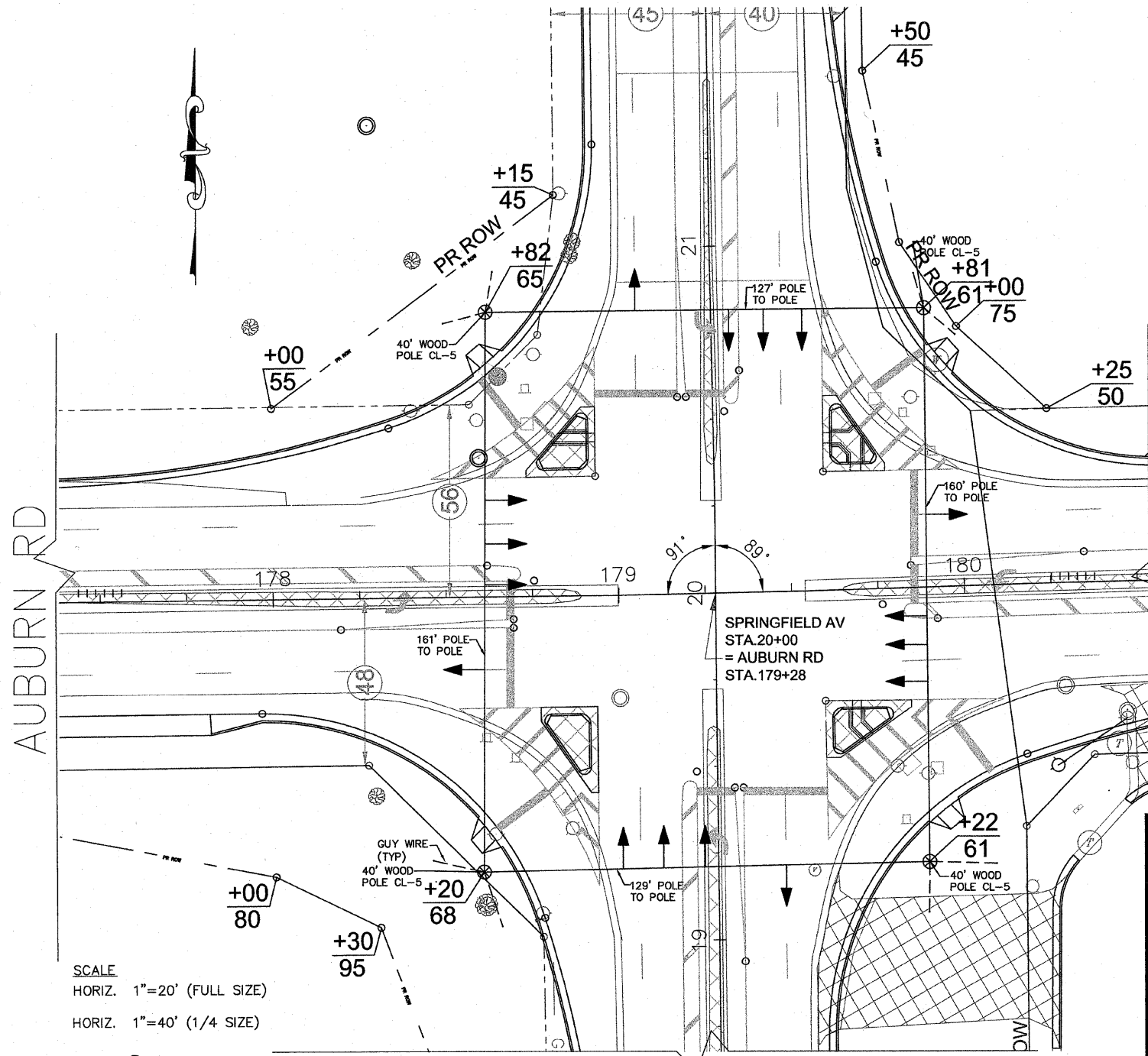
SCALES:
1" = 20' HOR
1" = 5' VER

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

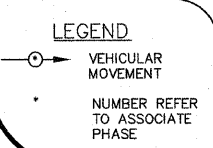
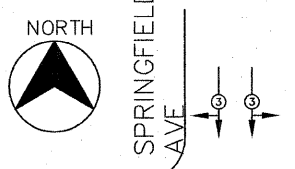


SCALES:
1" = 20' HOR
1" = 5' VER

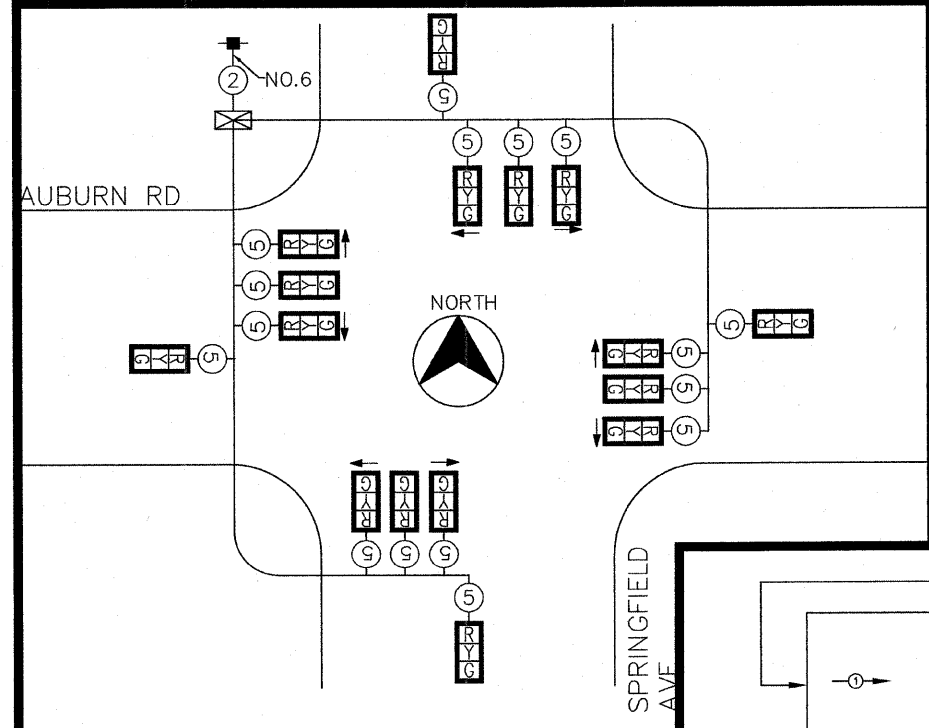
SPRINGFIELD AVE/AUBURN RD INTERSECTION TEMPORARY TRAFFIC SIGNAL PLAN



SCALE
HORIZ. 1"=20' (FULL SIZE)
HORIZ. 1"=40' (1/4 SIZE)

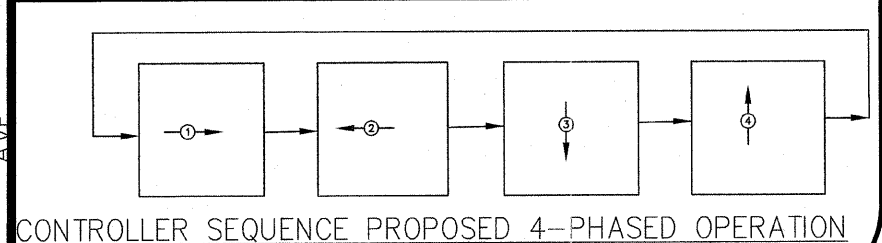


- ### NOTES FOR TEMPORARY TRAFFIC SIGNALS
1. THE CONTRACTOR WILL SUPPLY AND INSTALL ALL TEMPORARY TRAFFIC SIGNAL EQUIPMENT. ALL LABOR AND MATERIAL REQUIRED TO COMPLY WITH THESE REQUIREMENTS SHALL BE CONSIDERED INCIDENTAL TO THE BID PRICE OF TEMPORARY TRAFFIC SIGNAL INSTALLATION. THE CONTRACTOR WILL BE RESPONSIBLE FOR THE COORDINATION OF THE ELECTRICAL SERVICE TO THE TEMPORARY SIGNALS WITH COMED AND WILL PROVIDE THE ELECTRICAL CABLE NECESSARY TO FEED THE CONTROLLER.
 2. ALL CONTROLLERS USED FOR THE TEMPORARY TRAFFIC SIGNAL INSTALLATION SHALL MEET OR EXCEED THE REQUIREMENTS OF SECTION 857 OF THE "STANDARD SPECIFICATIONS FOR THE ROAD AND BRIDGE CONSTRUCTION" WITH REGARDS TO INTERNAL TIME BASE COORDINATION AND PREEMPTION. THIS TEMPORARY CONTROLLER SHALL BE A FULLY ACTUATED NEMA MICROPROCESSOR WITH INDIVIDUAL PHASE LENGTH SETTING UP TO 99 SECONDS. THE CONTROLLER SHALL BE PROGRAMMED AS DIRECTED BY THE CITY OF ROCKFORD. THE TEMPORARY TRAFFIC CONTROLLER SHALL REMAIN IN OPERATION DURING ALL SIGNAL HEAD RELOCATIONS.
 3. ALL TRAFFIC SIGNAL SECTIONS SHALL BE 12 INCHES. EACH TRAFFIC SIGNAL HEAD SHALL HAVE ITS OWN CABLE FROM THE CONTROLLER CABINET TO THE SIGNAL HEAD. THE CONTRACTOR SHALL FURNISH ENOUGH CABLE SLACK TO RELOCATE THE HEADS TO ANY POSITION ON THE SPAN WIRE. THE TEMPORARY TRAFFIC SIGNALS AND POLES SHALL BE RELOCATED AS REQUIRED TO THE APPROPRIATE LOCATIONS PER THE CONTRACTOR'S STAGED CONSTRUCTION PLAN.
 4. THE INSTALLATION OF THE POLES SHALL CONFORM WITH SECTION 830 OF THE ILLINOIS DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR THE ROAD AND BRIDGE CONSTRUCTION".
 5. ALL EXISTING TRAFFIC SIGNAL EQUIPMENT TO BE REMOVED WILL REMAIN THE PROPERTY OF THE WINNEBAGO COUNTY HIGHWAY DEPARTMENT.
 6. ALL EXISTING STREET NAME AND INTERSECTION REGULATORY SIGNS SHALL BE REMOVED FROM EXISTING POLES, RELOCATED AND SECURELY FASTENED TO THE SIGNAL SPAN WIRE.



TEMPORARY CABLE PLAN
NO SCALE

TEMPORARY TRAFFIC SIGNAL LEGEND	
TEMPORARY CONTROLLER CABINET	☒
TEMPORARY WOOD POLE	⊗
TEMPORARY TRAFFIC SIGNAL HEAD SPAN WIRE MOUNTED	→
TEMPORARY SPAN WIRE, TETHER WIRE, AND CABLE	—
GUY WIRE	- - -
SIGNAL HEAD WITH BACKPLATE (12" LENSES)	⊠
CABLE WITH NO. OF CONDUCTORS	⑤
SERVICE INSTALLATION	■



CONTROLLER SEQUENCE PROPOSED 4-PHASED OPERATION

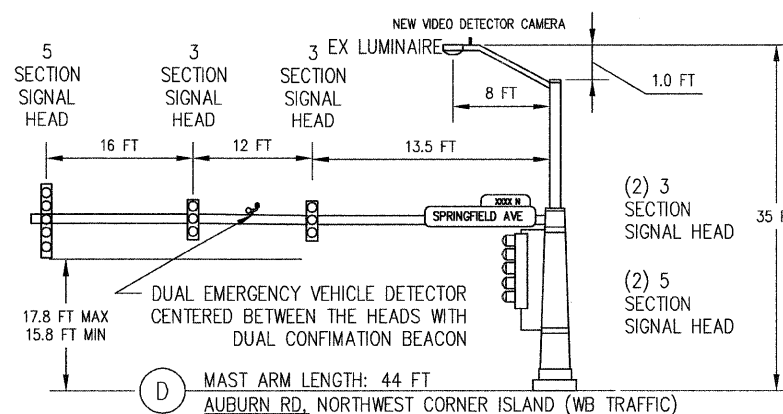
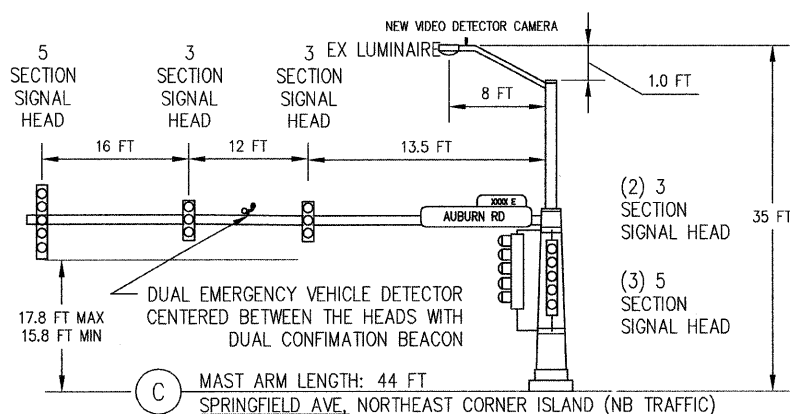
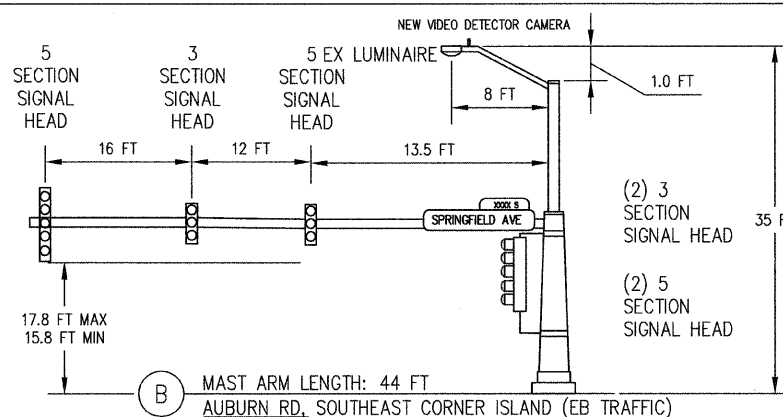
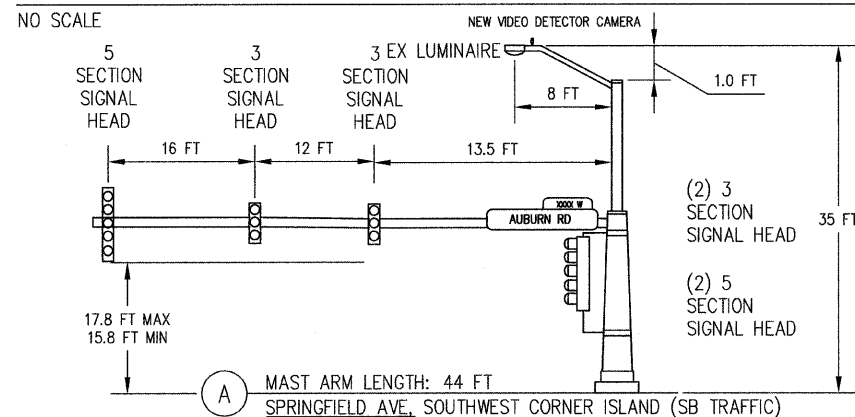


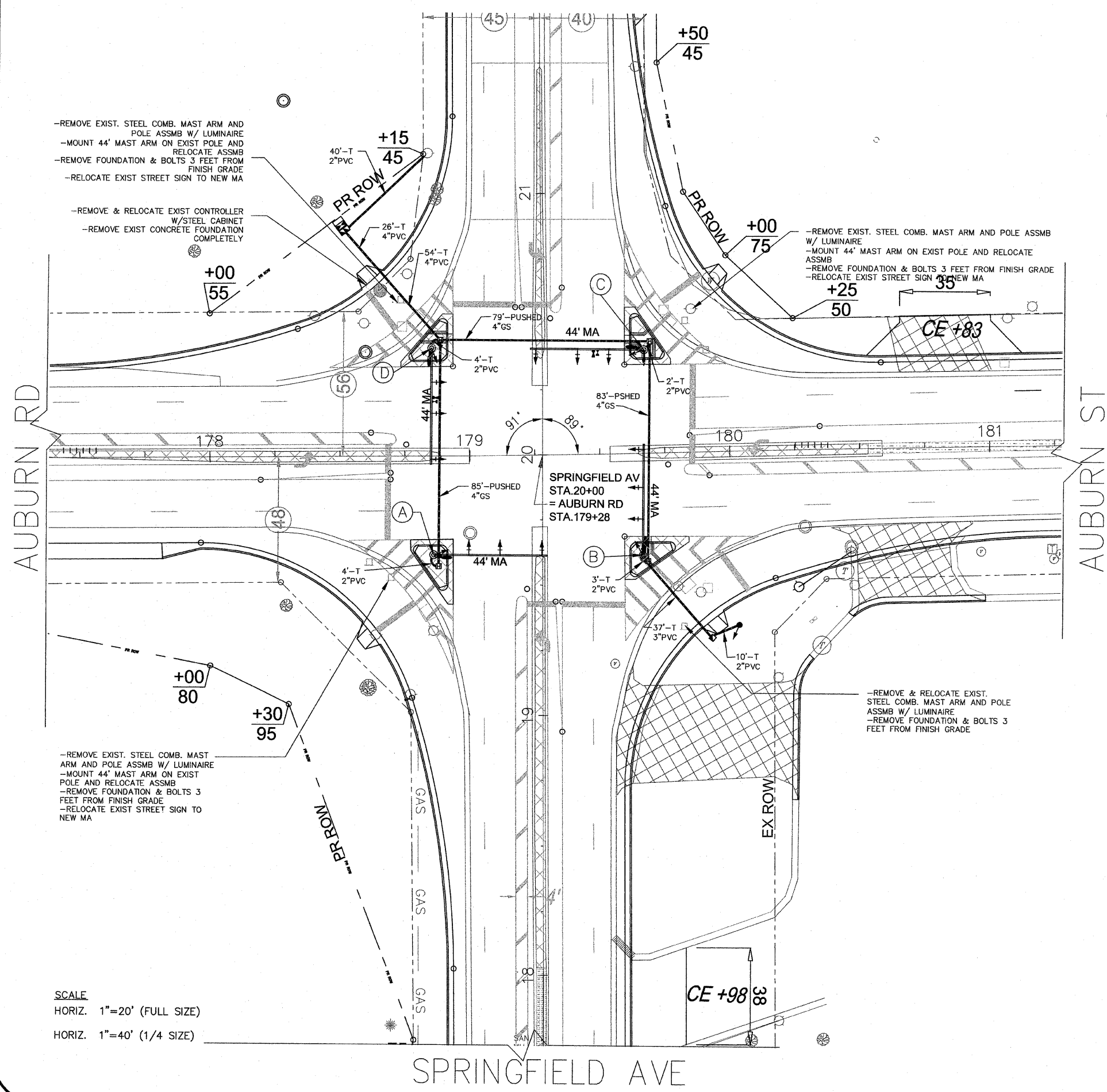
GENERAL NOTES

SUMMARY OF QUANTITIES			
NUMBER	ITEM	UNIT	QUANTITY
80500200	SERVICE INSTALLATION, TYPE B	EA	1
81012300	CONDUIT IN TRENCH, 1" DIA., PVC	FT	40
81012600	CONDUIT IN TRENCH, 2" DIA., PVC	FT	65
81012800	CONDUIT IN TRENCH, 3" DIA., PVC	FT	40
81013000	CONDUIT IN TRENCH, 4" DIA., PVC	FT	30
81018900	CONDUIT PUSHED, 4" DIA., GALVANIZED STEEL	FT	245
81306500	REMOVE EXISTING JUNCTION BOX	EA	3
81400100	HANDHOLE	EA	1
81400200	HEAVY-DUTY HANDHOLE	EA	4
81400300	DOUBLE HANDHOLE	EA	1
81702110	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 10	FT	1485
81900200	TRENCH AND BACKFILL FOR ELECTRICAL WORK	FT	130
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FT	1455
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FT	1915
87301815	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 3 C	FT	70
87500600	TRAFFIC SIGNAL POST, 10 FT.	EA	1
87800100	CONCRETE FOUNDATION, TYPE A	FT	3
87800200	CONCRETE FOUNDATION, TYPE D	FT	3
87800400	CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FT	68
88040090	SIGNAL HEAD, POLYCARB, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EA	8
88040150	SIGNAL HEAD, POLYCARB, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EA	6
88040160	SIGNAL HEAD, POLYCARB, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED	EA	4
88200100	TRAFFIC SIGNAL BACKPLATE	EA	12
88700200	LIGHT DETECTOR	EA	2
88700300	LIGHT DETECTOR AMP	EA	2
89000100	TEMPORARY TRAFFIC SIGNAL INSTALLATION	EA	1
89501100	RELOCATE EXISTING TRAFFIC SIGNAL CONTROLLER	EA	1
89501300	RELOCATE EXISTING MAST ARM ASSEMBLY AND POLE	EA	4
89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EA	1
89502380	REMOVE EXISTING HANDHOLE	EA	4
89502385	REMOVE EXISTING CONCRETE FOUNDATION	EA	5
X0301023	CONFIRMATION BEACON	EA	2
X0320837	EMERGENCY VEHICLE PRIORITY SYSTEM DUAL DETECTOR UNIT	EA	2
X0935300	MAST ARM, STEEL, MONOTUBE 44 FT.	EA	3
Z0051500	REMOVING AND RESETTNG (REMOUNT) STREET SIGNS	EA	4
XX001909	ELECTRIC CABLE IN CONDUIT NO. 20 3/C	FT	605
XX002185	RELOCATE EXISTING LIGHT POLE	EA	1
XX003583	VIDEO ELECTRIC CABLE IN CONDUIT, NO. 16 3/C	FT	745
XX003584	VIDEO BELDEN 8281 COAXIAL CABLE IN CONDUIT	FT	745
XX003982	VIDEO VEHICLE DETECTOR SYSTEM	L SUM	1

- CALL J.U.L.L.E. AT LEAST 48 HRS PRIOR TO CONSTRUCTION (800) 892-0123
- ALL UTILITIES SHALL BE LOCATED IN THE FIELD PRIOR TO CONSTRUCTION. NOTIFY THE ENGINEER OF ANY CONFLICTS PRIOR TO CONSTRUCTION
- ALL SIGNING, STRIPING, TRAFFIC SIGNALS AND TRAFFIC CONTROL DEVICES DURING CONSTRUCTION SHALL CONFIRM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (M.U.T.C.D.) CURRENT EDITION.
- ALL NEW CONSTRUCTION SHALL CONFORM TO THE STANDARDS OF THE ILLINOIS DEPARTMENT OF TRANSPORTATION. ALL TRAFFIC SIGNAL EQUIPEMENT IS TO BE SPUN ALLUMINIUM OR GALVANISED FINISH EXCEPT FOR SIGNAL HEADS.
- ALL LENSES SHALL BE 12"
- COORDINATE EXECT TYPE AND LOCATION OF SERVICE WITH COMED.
- EAGLE BRAND EQUIPMENT MUST BE USED FOR COMPATIBILITY WITH EXISTING COUNTY EQUIPMENT.
- THE EMERGENCY VEHICLE PRE-EMPTION SYSTEM SHALL BE THE "TOMAR/OPTRONX OPTICAL PRE-EMPTION SYSTEM". THIS TRAFFIC SIGNAL INSTALLATION SHALL INCLUDE ONE SINGLE EMERGENCY VEHICLE DETECTOR WITH SINGLE CONFERMATION BEACON FOR EACH DIRECTION OF TRAFFIC. CONTACT BROWN TRAFFIC PRODUCTS AT 1-800-888-7078 FOR FURTHER INFORMATION IN REGARDS TO THE MANUFACTURER'S INSTALLATION REQUIREMENTS.
- PROVIDE TWO CONDUITS FROM THE CONTROLLER TO THE ADJUCENT SERVICE POLE. THE 2" CONDUIT SHALL BE USED FOR POWER. THE 1" CONDUIT SHALL BE RESERVED FOR THE TELEPHONE SERVICE.
- MAST ARM SHALL BE DESIGNED TO ACCOMMODATE 18"X 72" STREET NAME SIGN. ALL TRAFFIC SIGNAL MOUNTED SIGNS TO BE INSTALLED BY THE CONTRACTOR.
- CONDUIT AND CABLE FOR THE NEW SERVICE SHALL BE PAID UP TO THE BASE OF THE NEW POLE. ALL OTHER MATERIALS SHALL BE INCLUDED IN THE COST OF SERVICE INSTALLATION, TYPE-B.
- CONTRACTOR SHOULD CHECK THE CRITICAL DIMENSIONS OF THE NEW TYPE E FOUNDATIONS, SUCH AS ANCHOR BOLT SIZE AND BOLT CIRCLE WITH THE REUSED COMBINATION MAST ARM ASSEMBLIES BEFORE THE CONSTRUCTION OF THE NEW TYPE E FOUNDATIONS.
- SALVAGE EXISTING STREET NAME SIGNS FROM EXISTING MAST ARMS AND REUSE ON NEW MAST ARMS, COST INCIDENTAL TO TRAFFIC CONTROL COMPLETE.

MAST ARM EQUIPMENT MOUNTING DETAIL





- (A) STA. 19+61.79, 42.0FT LT
RELOCATE EXIST POLE W/NEW 44' MAST ARM
USE EXST. LUMINAIRE, SV HORI MT PC 400W, 8' M.A., 35' MTG HT
CONCRETE FOUNDATION, TY-E, 30" DIA, 17FT
VIDEO DETECTOR CAMERA, 1 EA
- (B) STA. 19+61.52, 38.6 FT RT
RELOCATE EXIST. STEEL COMB. MAST ARM ASSEMBLY AND POLE, 44' M.A.
USE EXST. LUMINAIRE, SV HORI MT PC 400W, 8' M.A., 35' MTG HT
CONCRETE FOUNDATION, TY-E, 30" DIA, 17FT
VIDEO DETECTOR CAMERA, 1 EA
- (C) STA. 20+39.87, 39.1FT RT
RELOCATE EXIST POLE W/NEW 44' MAST ARM
USE EXST. LUMINAIRE, SV HORI MT PC 400W, 8' M.A., 35' MTG HT
CONCRETE FOUNDATION, TY-E, 30" DIA, 17FT
VIDEO DETECTOR CAMERA, 1 EA
EMERG DOUBLE OPTICLE DETECTOR W/ DOUBLE CONF. BEACON, 1 EA
- (D) STA. 20+41.51, 42.5FT LT
RELOCATE EXIST POLE W/NEW 44' MAST ARM
USE EXST. LUMINAIRE, SV HORI MT PC 400W, 8' M.A., 35' MTG HT
CONCRETE FOUNDATION, TY-E, 30" DIA, 17FT
VIDEO DETECTOR CAMERA, 1 EA
EMERG DOUBLE OPTICLE DETECTOR W/ DOUBLE CONF. BEACON, 1 EA

TRAFFIC SIGNAL LEGEND

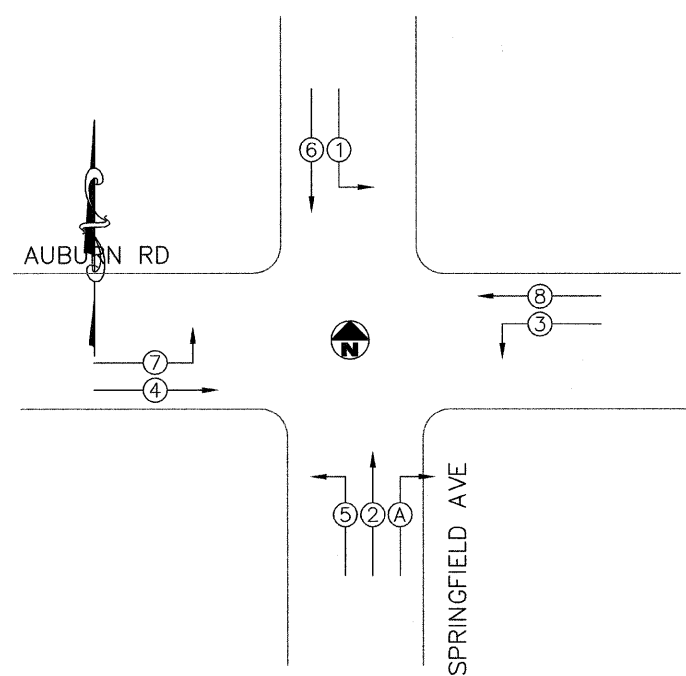
	EXISTING	PROPOSED
CONTROLLER		
SERVICE INSTALLATION		
SIGNAL HEAD		
SIGNAL HEAD WITH BACKPLATE		
SIGNAL HEAD, PEDESTRIAN		
PEDESTRIAN PUSHBUTTON DETECTOR		
SIGNAL POST		
MAST ARM ASSEMBLY AND POLE		
HANDHOLE		
HEAVY DUTY HANDHOLE		
DOUBLE HANDHOLE		
EMERGENCY VEHICLE SYSTEM DETECTOR		
CONFIRMATION BEACON		
WOOD POLE		
CONDUIT IN TRENCH OR PUSHED		
COMMON TRENCH		
DETECTOR LOOP		
LUMINAIRE W/MAST ARM		
VIDEO DETECTOR CAMERA		

SCALE
HORIZ. 1"=20' (FULL SIZE)
HORIZ. 1"=40' (1/4 SIZE)



PHASE DESIGNATION DIAGRAM

NO SCALE REFER TO I.D.O.T. STANDARD 857001



LEGEND

- (with circle and arrow) VEHICULAR MOVEMENT
- * NUMBER REFERS TO ASSOCIATED PHASE

THE POSTED SPEED LIMIT ON:

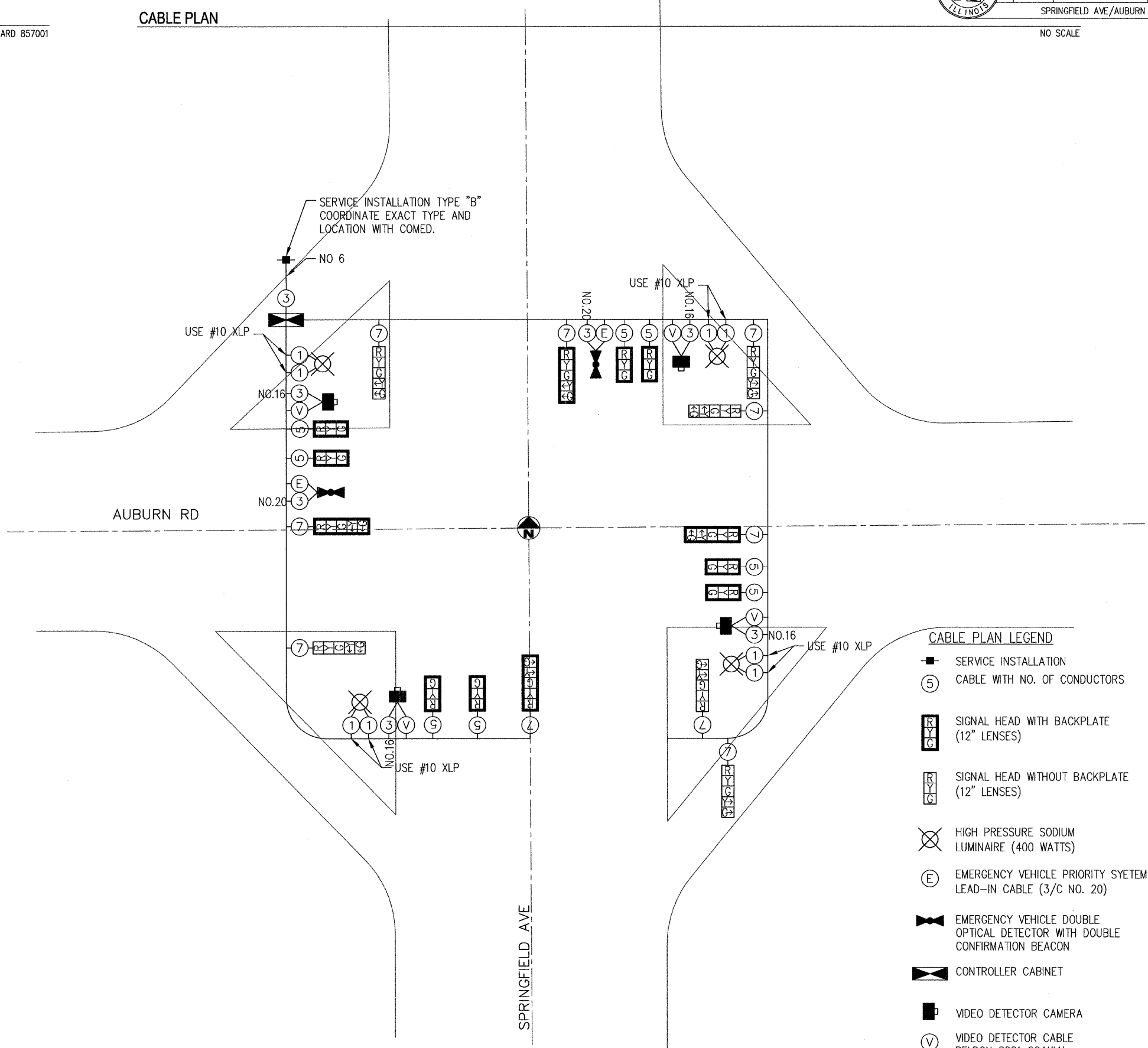
AUBURN RD IS 45 mph
 SPRINGFIELD AVE IS 45 mph

CONTROLLER SPECIFIED:

RELOCATE EXISTING FULL ACTUATED CONTROLLER, AND TYPE IV CABINET

CABLE PLAN

NO SCALE



CABLE PLAN LEGEND

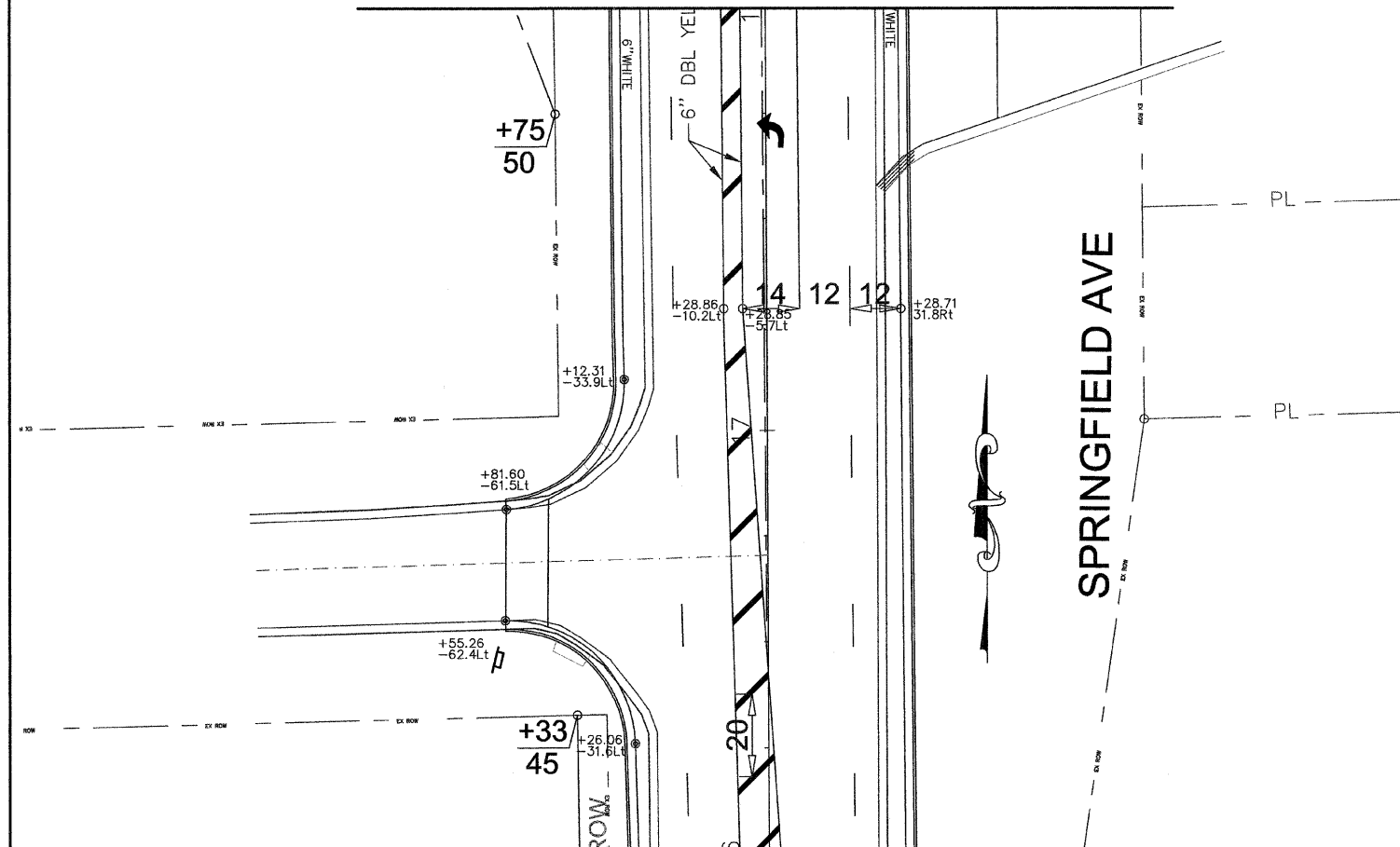
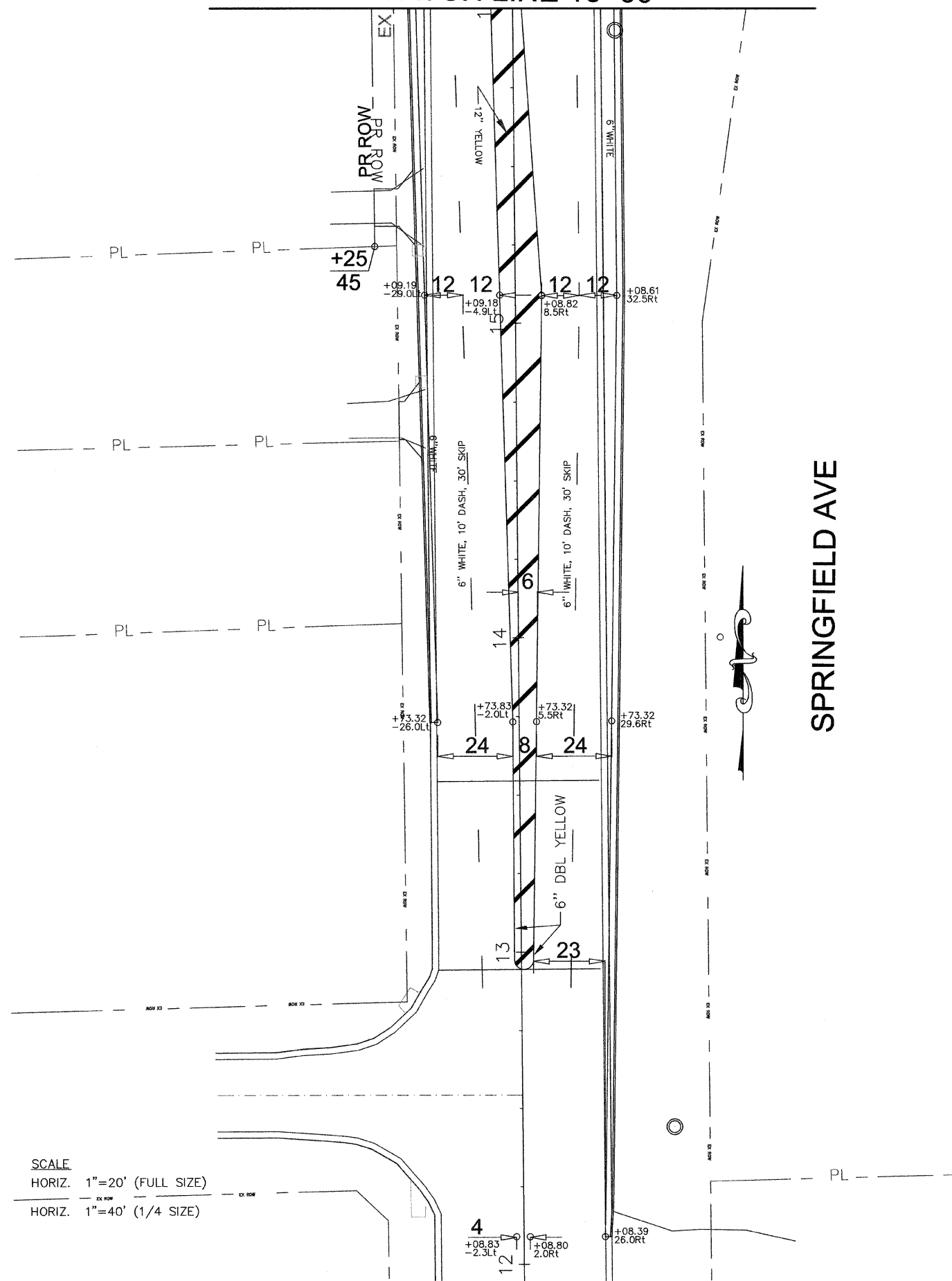
- SERVICE INSTALLATION
- ⑤ CABLE WITH NO. OF CONDUCTORS
- RYG SIGNAL HEAD WITH BACKPLATE (12" LENSES)
- RYG SIGNAL HEAD WITHOUT BACKPLATE (12" LENSES)
- ⊗ HIGH PRESSURE SODIUM LUMINAIRE (400 WATTS)
- ⓔ EMERGENCY VEHICLE PRIORITY SYSTEM LEAD-IN CABLE (3/C NO. 20)
- ⊞ EMERGENCY VEHICLE DOUBLE OPTICAL DETECTOR WITH DOUBLE CONFIRMATION BEACON
- ⊞ CONTROLLER CABINET
- VIDEO DETECTOR CAMERA
- Ⓟ VIDEO DETECTOR CABLE BELDON 8281 COAXIAL



MATCH LINE 16+00

MATCH LINE 18+00

MATCH LINE 16+00



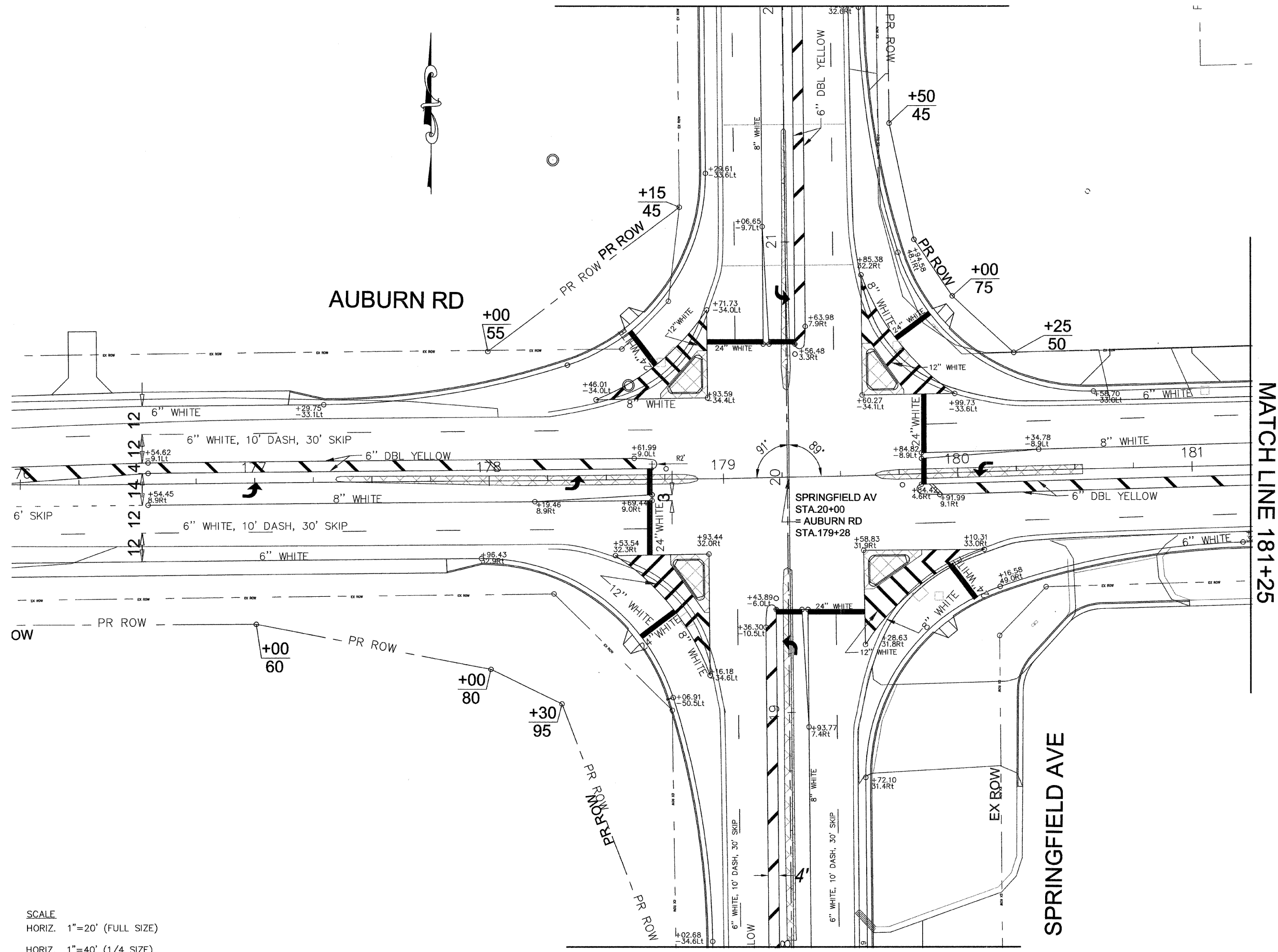
SCALE
 HORIZ. 1"=20' (FULL SIZE)
 HORIZ. 1"=40' (1/4 SIZE)

SPRINGFIELD AVE

SPRINGFIELD AVE



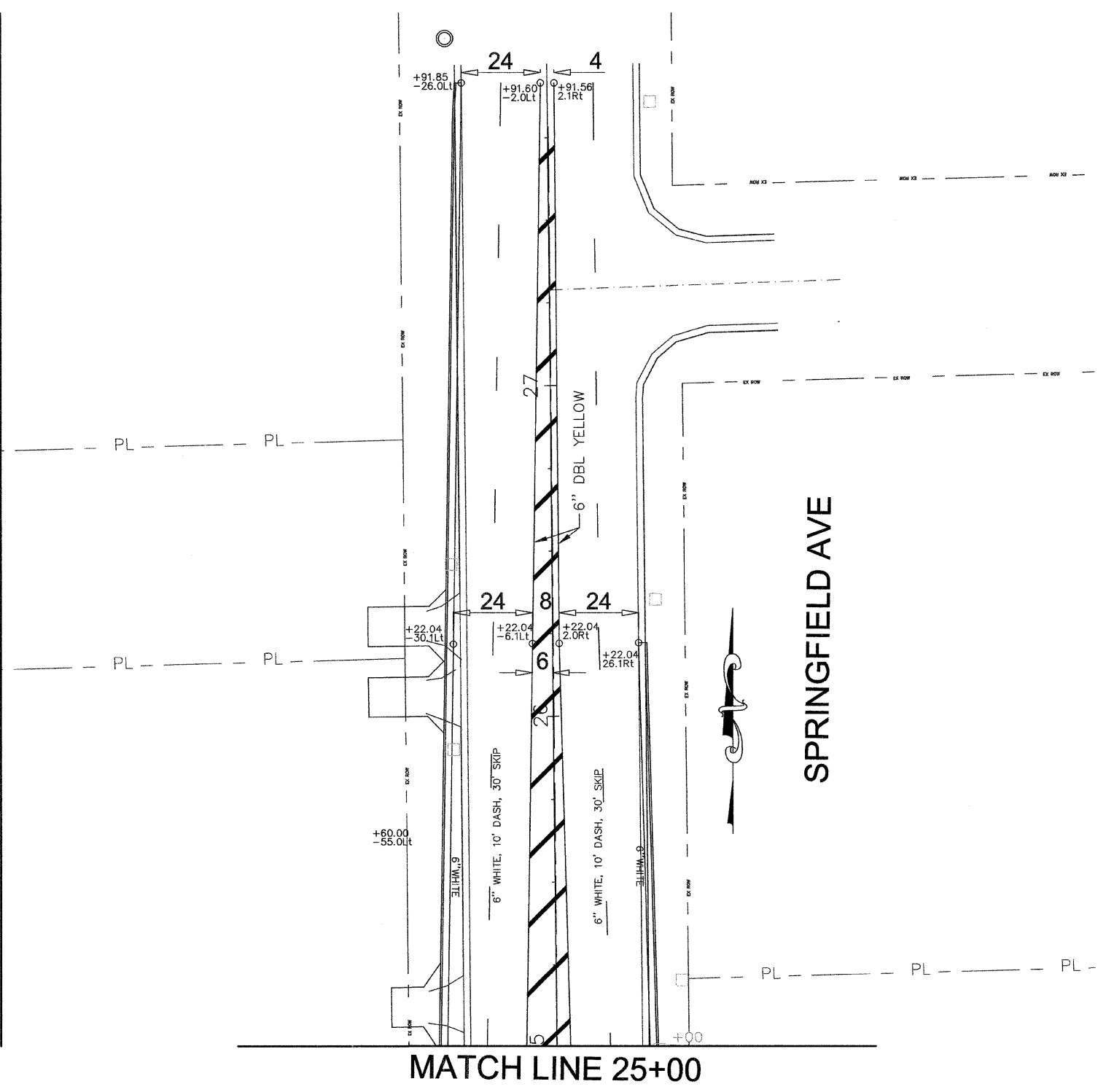
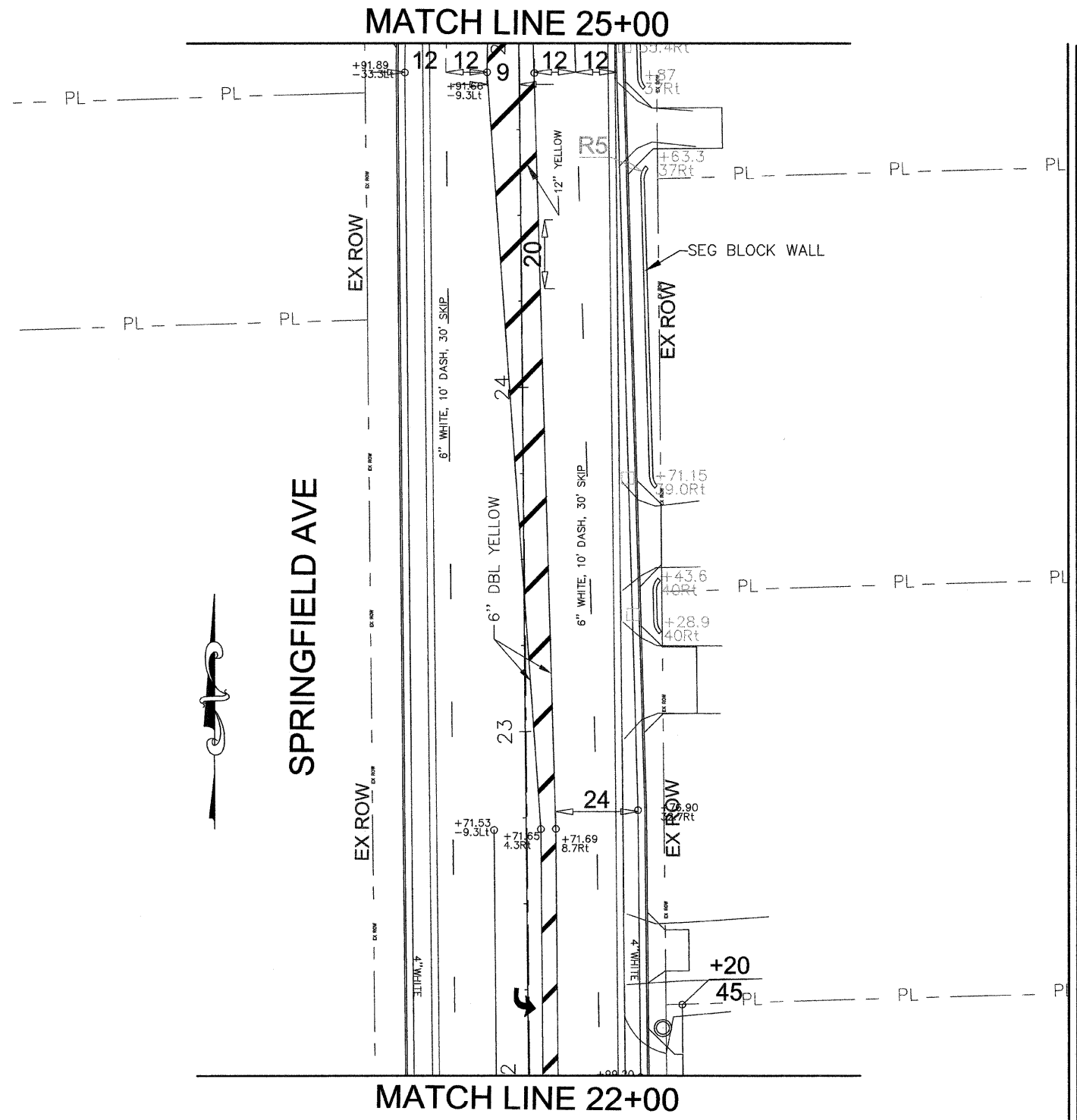
MATCH LINE 22+00



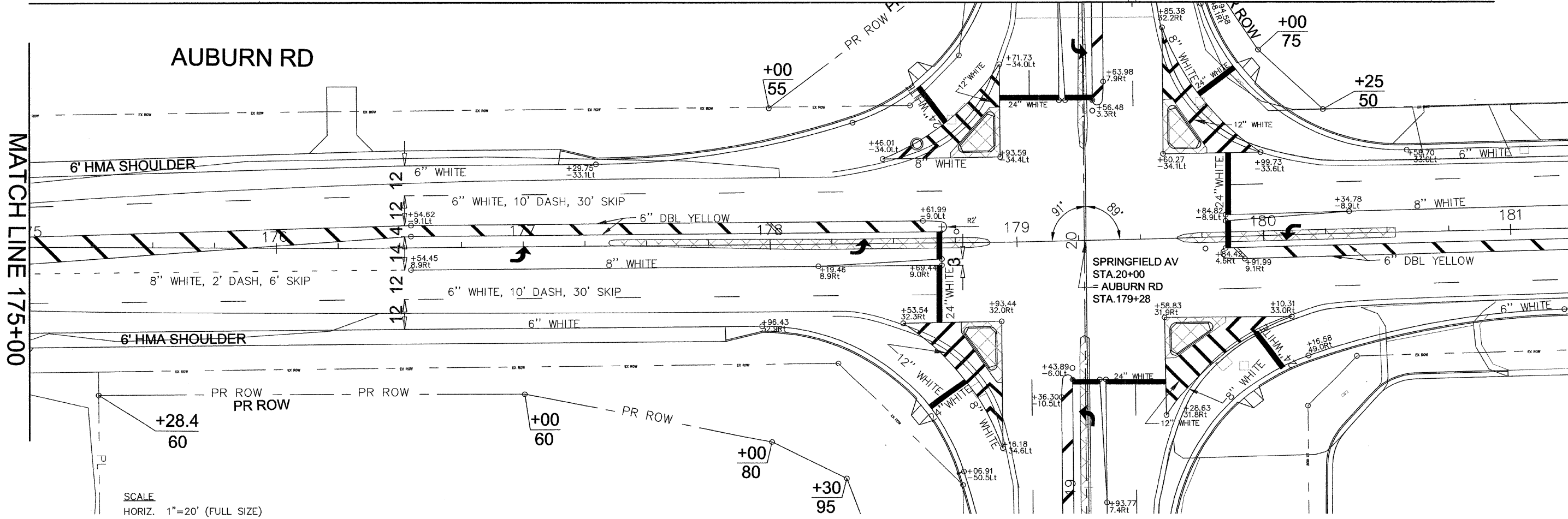
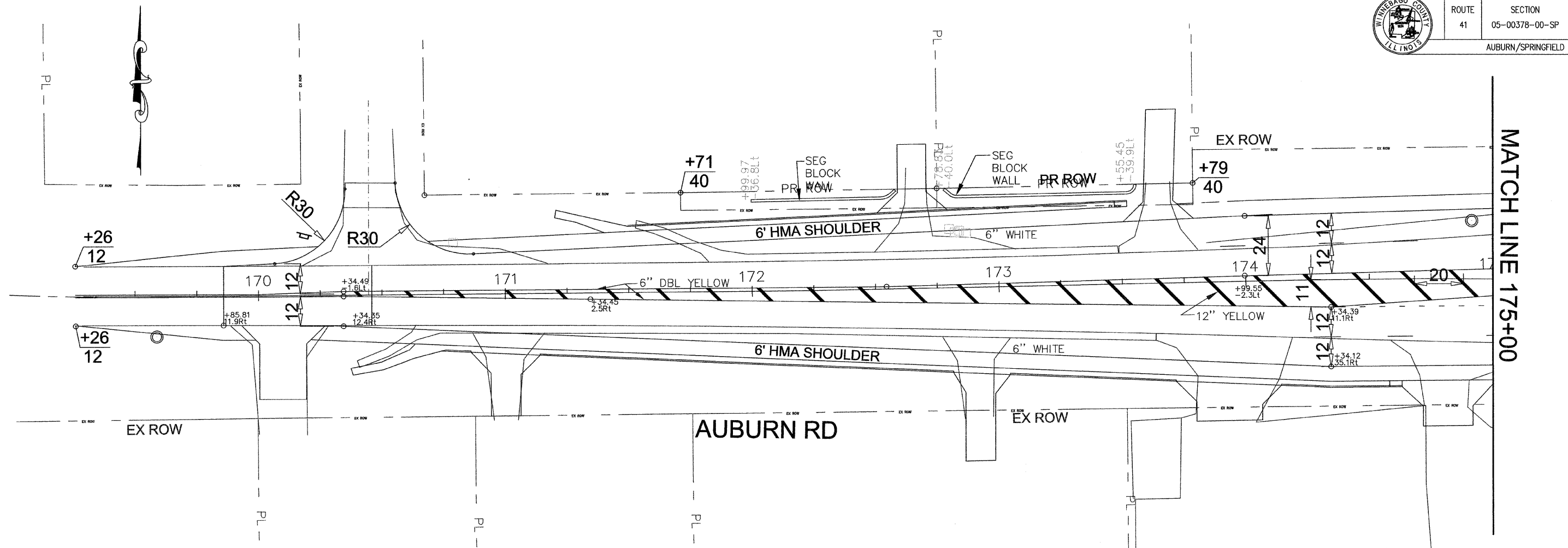
MATCH LINE 181+25

MATCH LINE 18+00

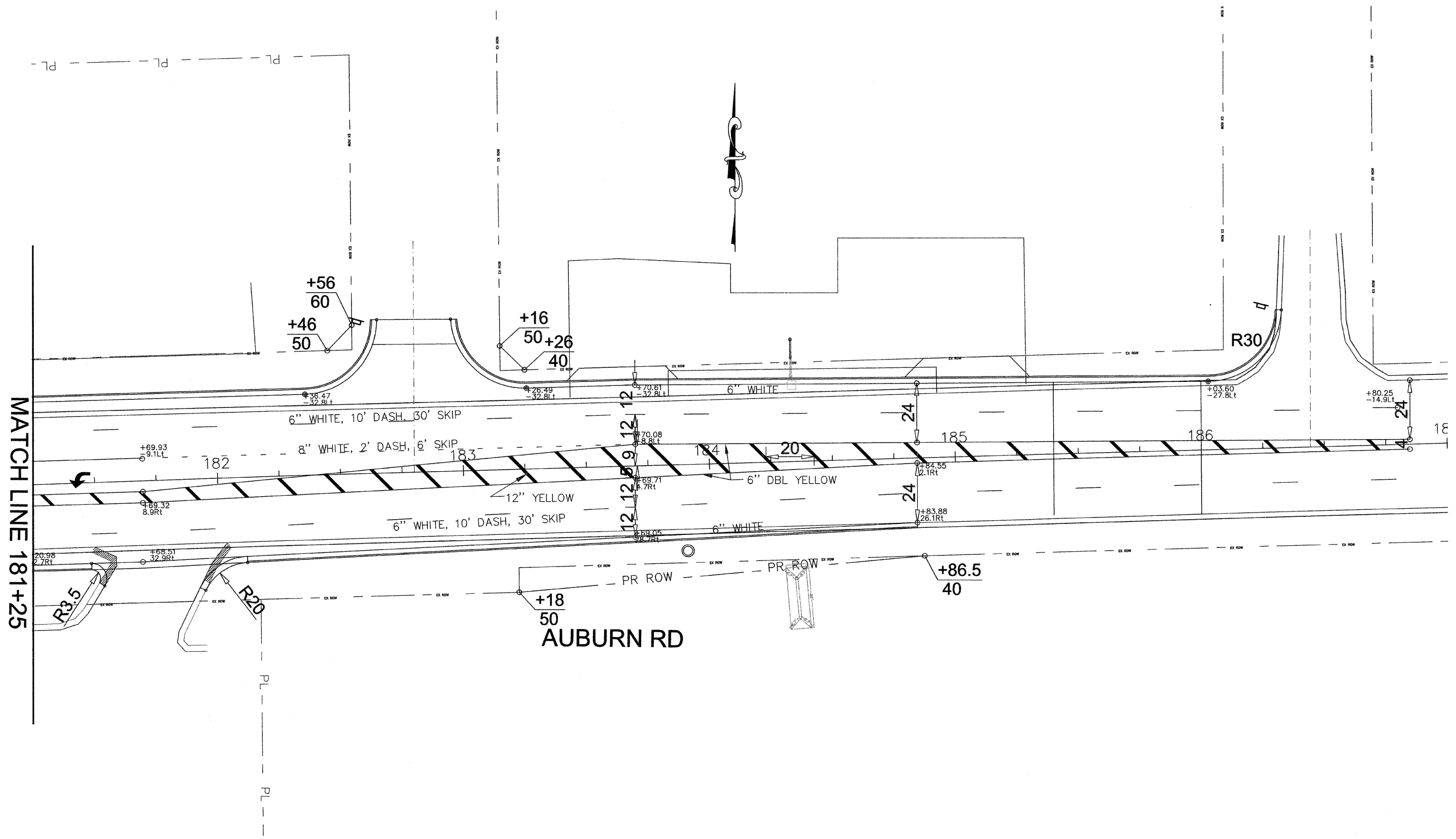
SCALE
 HORIZ. 1"=20' (FULL SIZE)
 HORIZ. 1"=40' (1/4 SIZE)



SCALE
 HORIZ. 1"=20' (FULL SIZE)
 HORIZ. 1"=40' (1/4 SIZE)



SCALE
 HORIZ. 1"=20' (FULL SIZE)
 HORIZ. 1"=40' (1/4 SIZE)



SCALE
 HORIZ. 1"=20' (FULL SIZE)
 HORIZ. 1"=40' (1/4 SIZE)

