

LUC-CR#73 (MCCORD ROAD)-04.48

SYLVANIA TOWNSHIP LUCAS COUNTY, OHIO

PID# 80038

PROJECT DESCRIPTION

IMPROVEMENT OF 0.85 MILES OF MCCORD ROAD WITH PAVEMENT RECONSTRUCTION AND WIDENING, CURB AND SIDEWALK REPLACEMENTS, DRAINAGE IMPROVEMENTS, PAVEMENT MARKINGS, UPGRADE SIGNAGE, WATER & SANITARY SYSTEM WORK, DRIVEWAY & LAWN RESTORATION, AND OTHER RELATED WORK.

2008 SPECIFICATIONS

THE STANDARD SPECIFICATIONS OF THE STATE OF OHIO, DEPARTMENT OF TRANSPORTATION, INCLUDING CHANGES AND SUPPLEMENTAL SPECIFICATIONS LISTED IN THE PROPOSAL SHALL GOVERN THIS IMPROVEMENT.

APPROVALS

WE, THE COMMISSIONERS OF LUCAS COUNTY, IN FORMAL SESSION, HEREBY APPROVE THESE PLANS AND CERTIFY THAT THE NECESSARY RIGHT OF WAY IS AVAILABLE. WE AGREE TO MAINTAIN THE PROJECT AND WILL MAKE AMPLE PROVISIONS EACH YEAR FOR MAINTENANCE AND REPAIR. DONE UNDER THE AUTHORITY OF SECTIONS 5535.01 AND 5555.02 ET. SEQ. OF THE REVISED CODE OF OHIO.

AS BUILT BY: mmk
03-21-2013
[Signature]
08-20-08
[Signature]
DATE
BOARD OF LUCAS COUNTY COMMISSIONERS

I HEREBY APPROVE THESE PLANS AND DECLARE THAT THE MAKING OF THIS IMPROVEMENT WILL NOT REQUIRE THE CLOSING OF THE HIGHWAY TO TRAFFIC, EXCEPT AS NOTED ON SHEET NO. 7. PROVISIONS FOR THE MAINTENANCE AND SAFETY OF THE TRAFFIC WILL BE AS SET FORTH ON THE PLANS.

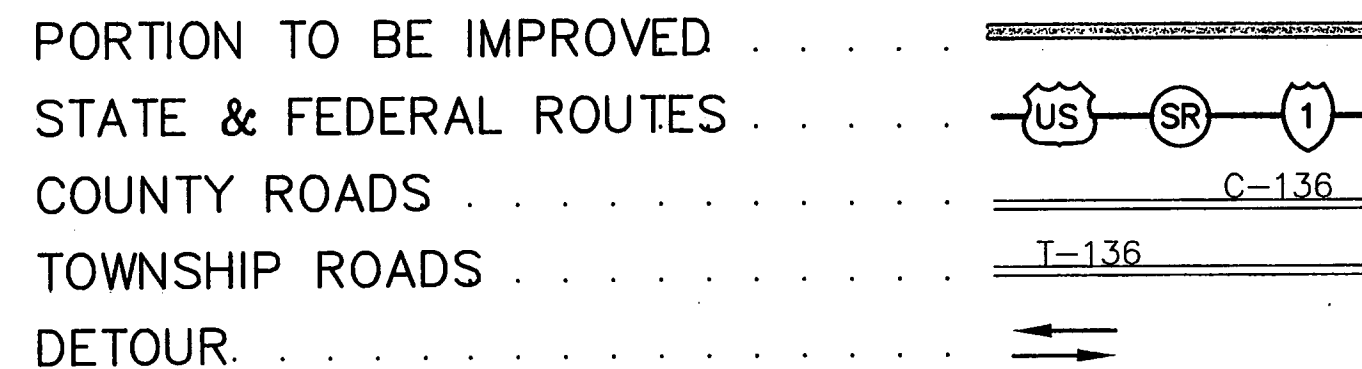
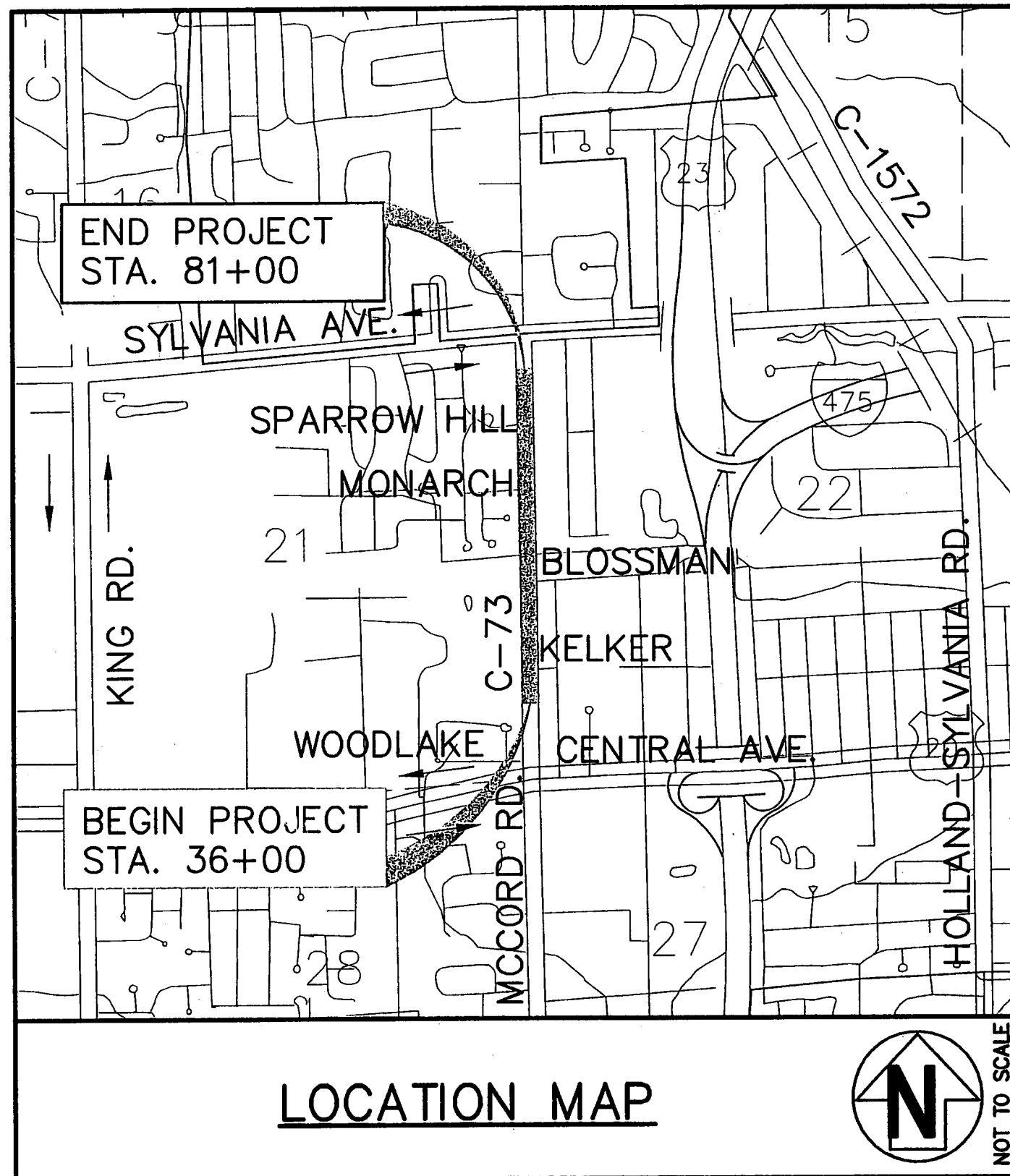
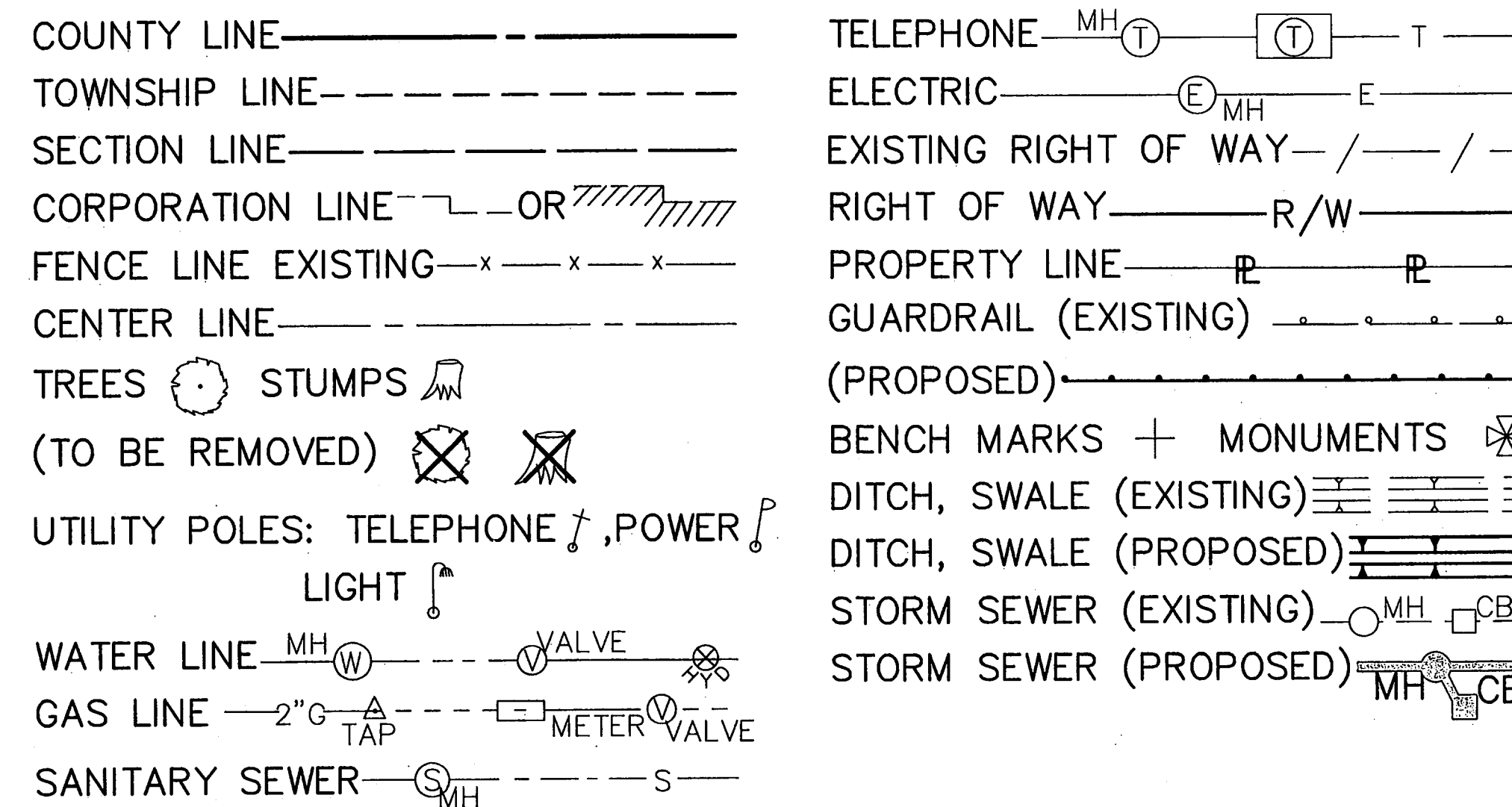
[Signature] 8-20-08
LUCAS COUNTY ENGINEER DATE

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(SHEET 79 NOT USED)

CONVENTIONAL SIGNS



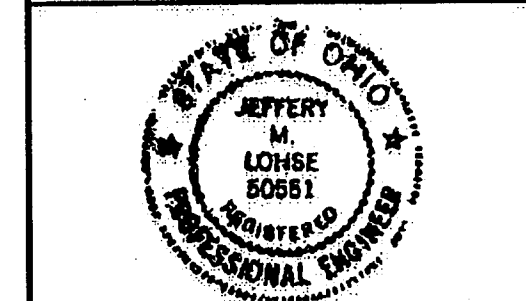
DESIGN DESIGNATION

CURRENT A.D.T.(2009)	=	16250 V.P.D.
DESIGN YEAR A.D.T.(2029)	=	21900 V.P.D.
D.H.V.	=	1970 V.P.H.
DIRECTIONAL DISTRIBUTION	=	55%
TRUCKS (24 HOUR B + C)	=	0.04%
LEGAL SPEED LIMIT	=	45 M.P.H.
DESIGN FUNCTIONAL CLASSIFICATION	=	URBAN MINOR ARTERIAL



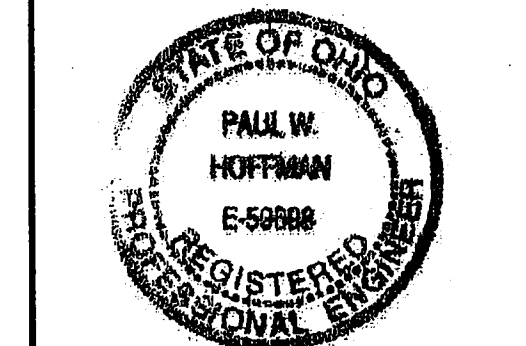
PLANS PREPARED BY:
[Signature]
DATE: 5-30-08

REVISIONS BY L.C.E.O.



SIGNED: *[Signature]*
DATE: 5/20/09

ENGINEERS SEAL:



SIGNED: *[Signature]*
DATE: May 30, 2008

STATE OF OHIO - STANDARD DRAWINGS						LUCAS COUNTY STANDARD DRAWINGS		ODOT SUPPLEMENTAL SPECIFICATIONS	
DRWG.	DATE	DRWG.	DATE	DRWG.	DATE	DRWG.	DATE		DATE
BP-3.1	10-19-07	HL-30.11	1-21-05	MT-105.10	1-16-09	RP-3	04-17-07		
BP-4.1	7-16-04	HL-30.22	1-21-05	TC-21.20	1-16-09	RP-4	04-17-07	800	4-17-09
BP-5.1	7-28-00	HW-2.2	4-21-06	TC-22.20	1-19-01	RP-8	03-06	815	1-19-07
CB-1.1	7-15-05	LA-1.1	7-28-00	TC-41.20	1-19-01	RP-9	04-09		
CB-1.3	7-15-05	WQ-1.1	4-16-04	TC-41.40	7-16-04	TR-1	4-17-07	906	1-19-07
CB-2.1	7-15-05	MH-1.2	1-20-06	TC-42.20	7-16-04	TR-2	4-17-07		
CB-2.2	7-15-05	MT-35.10	4-20-01	TC-71.10	1-16-09	TR-3	03-06	1041	1-16-09
CB-4.2	7-19-02	MT-95.31	9-05-06	TC-81.21	1-16-09	TR-4	01-19-01		
DM-1.1	4-21-06	MT-95.32	9-05-06	TC-82.10	4-19-02	TR-5	03-06		
DM-1.2	10-21-05	MT-97.10	9-05-06	TC-83.20	1-19-07	TR-6	03-06		
DM-1.4	4-21-06	MT-97.12	9-05-06	TC-85.10	4-19-02	TR-9	03-06		
DM-3.1	7-19-02	MT-99.20	1-16-09	TC-85.20	3-06-09	TR-11	4-17-07		
DM-4.4	7-19-02	MT-101.60	9-05-06						
RM-5.2	4-18-03	MT-101.90	1-16-09						

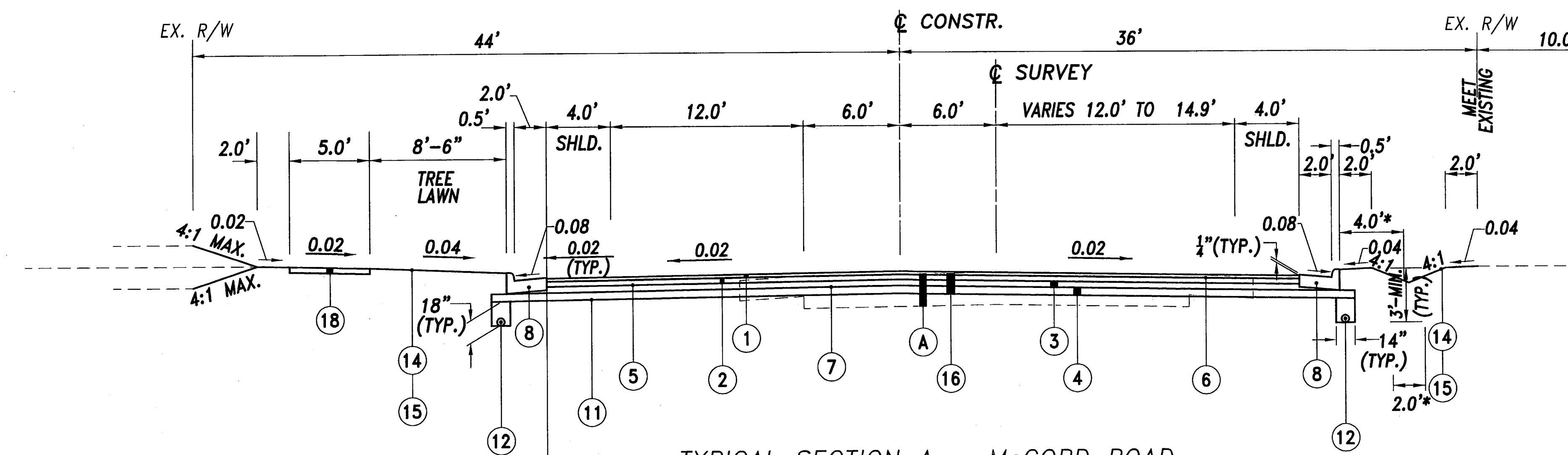
Call TWO WORKING DAYS BEFORE YOU DIG
OHIO UTILITIES PROTECTION SERVICE
IN OHIO - 800-362-2764
OUT OF OHIO - 216-744-5191
NON-MEMBERS MUST BE CALLED DIRECTLY

Contractor: Ropper Construction, Inc. Date of Letting: 9/10/2009

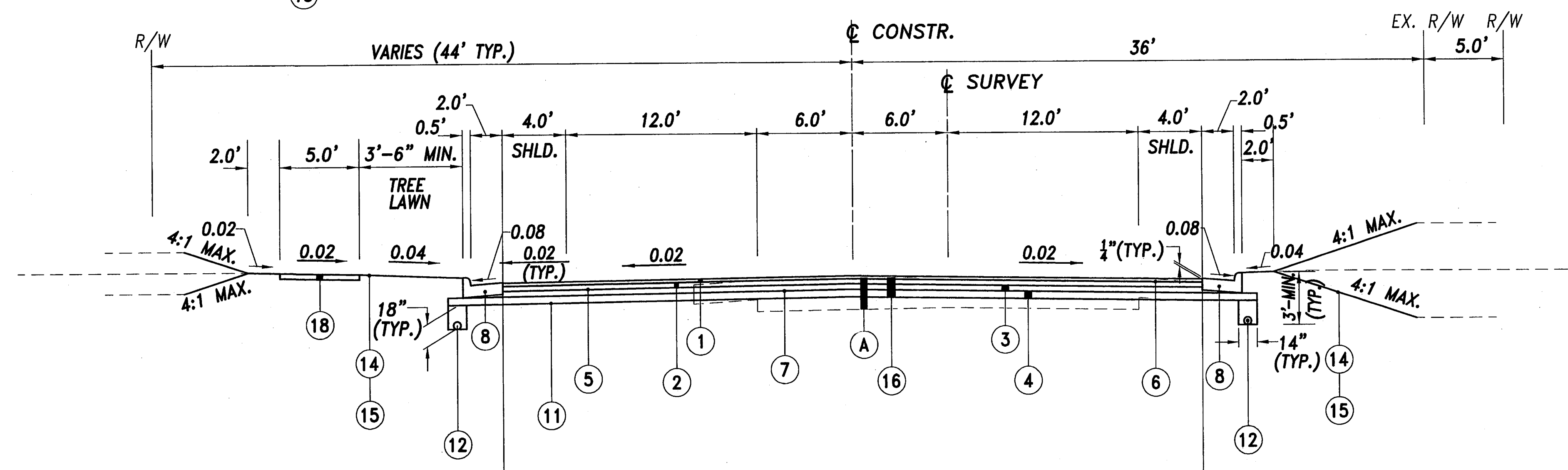
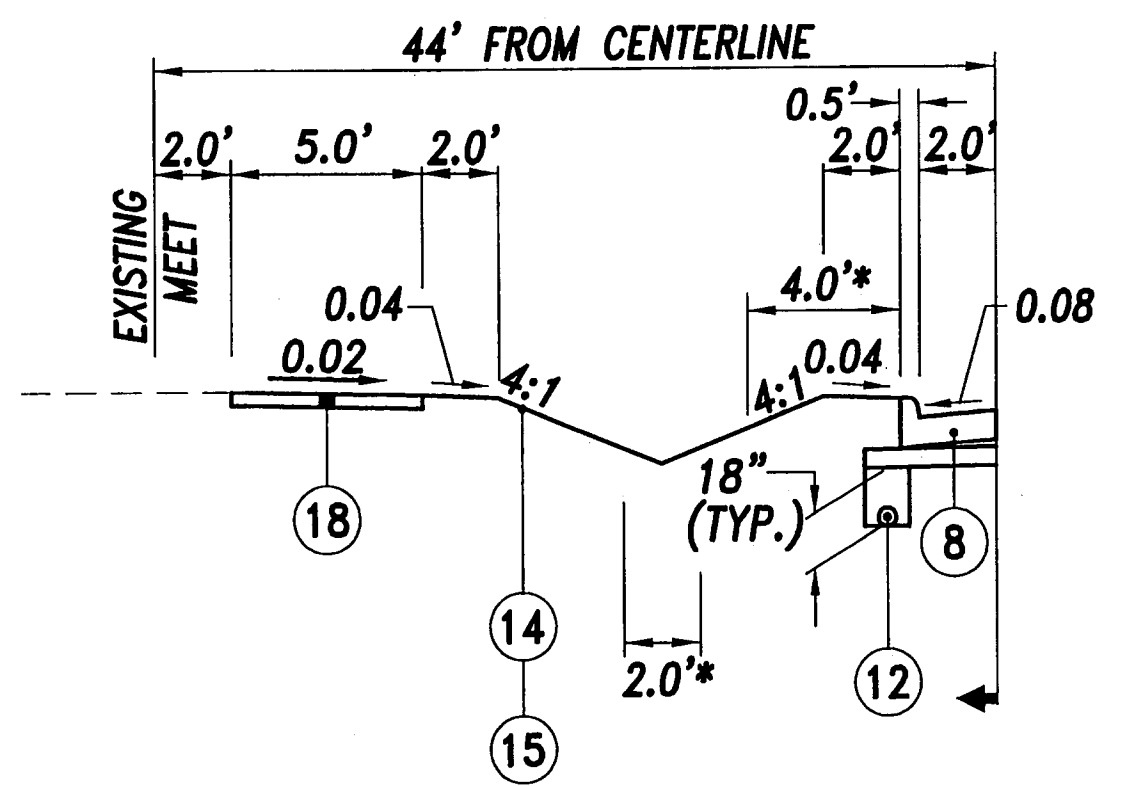
TITLE SHEET

LUC. C. R. 73
MCCORD ROAD

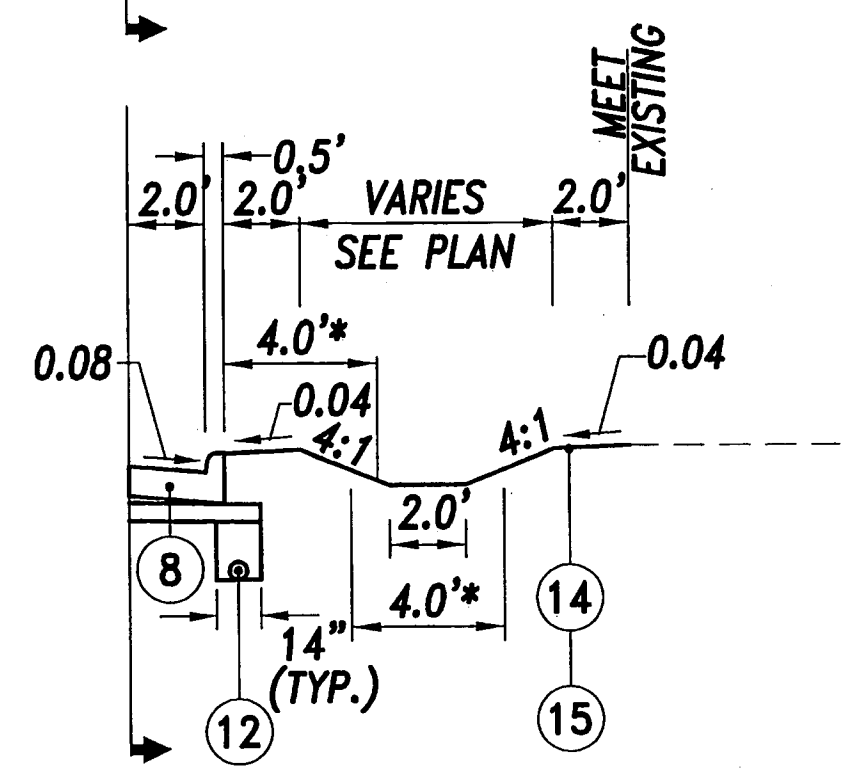
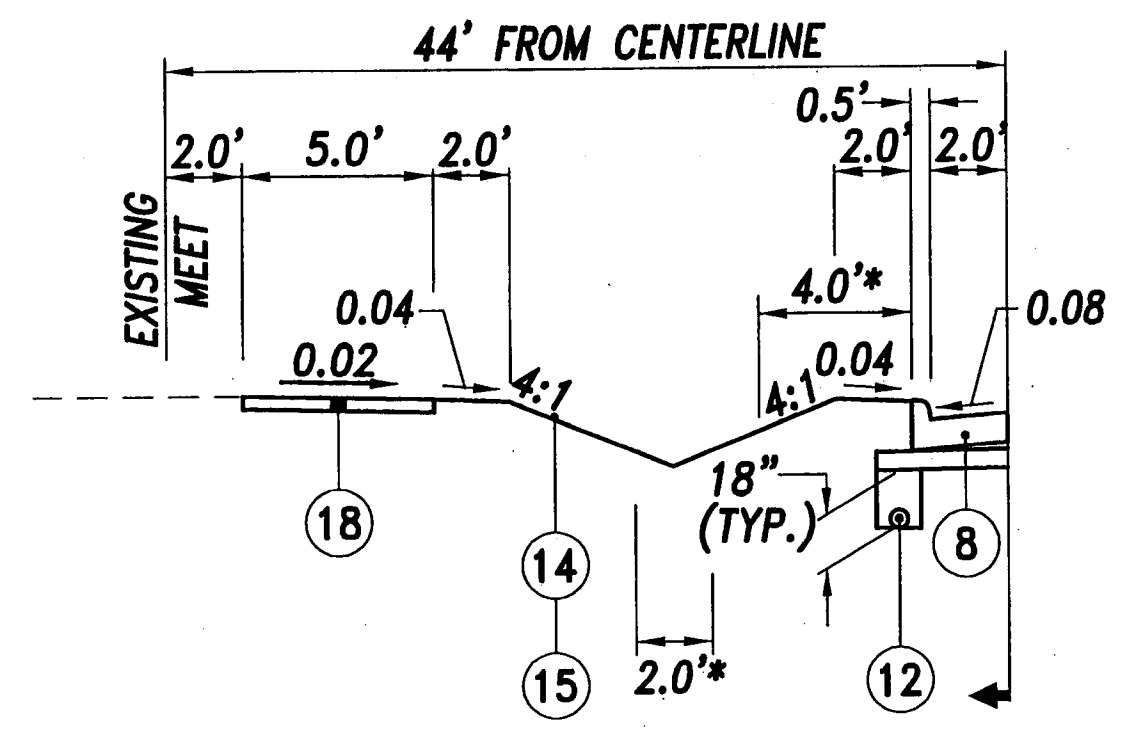
- NOTES:
1. STATION LIMITS ARE APPROXIMATE
 2. FOR LEGEND, SEE SHEET 4
 3. * ROUNDING, TYP.

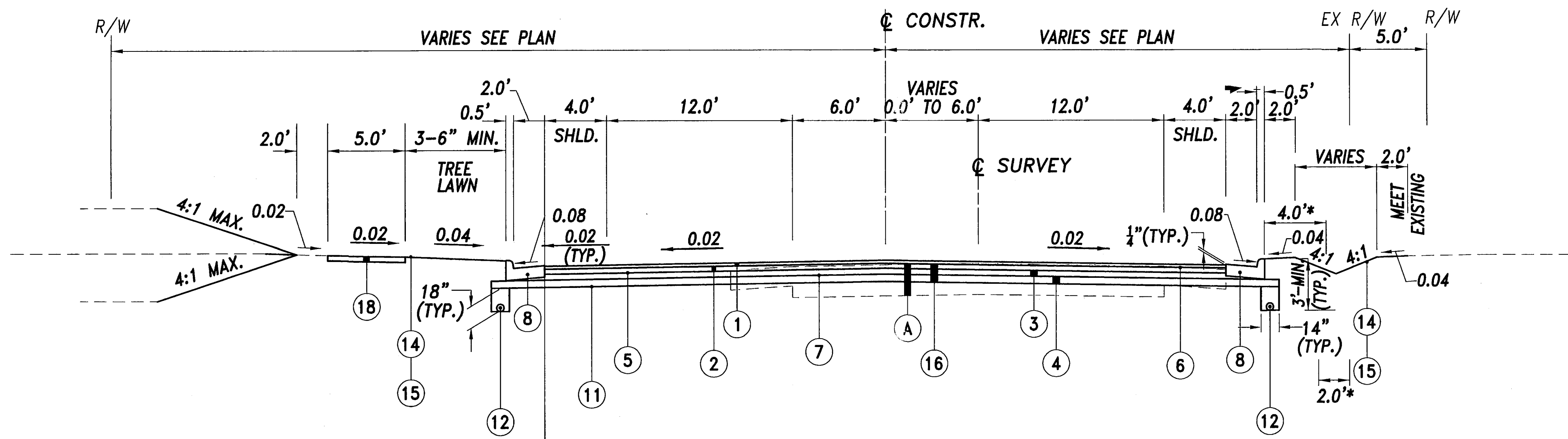


TYPICAL SECTION A - McCORD ROAD
SECTION APPLIES:
STA. 39+30 TO STA. 40+60

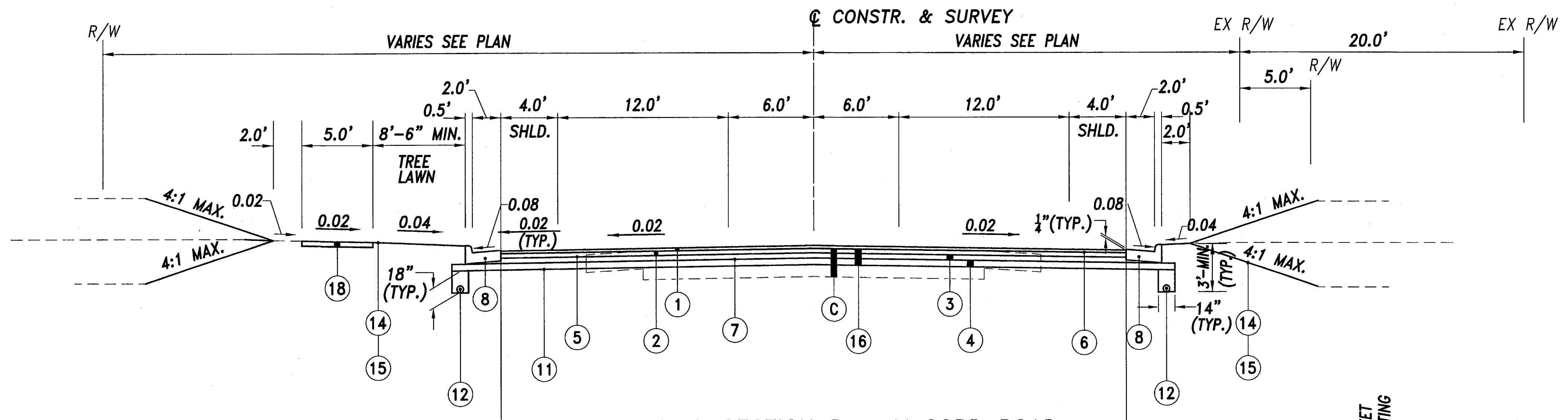
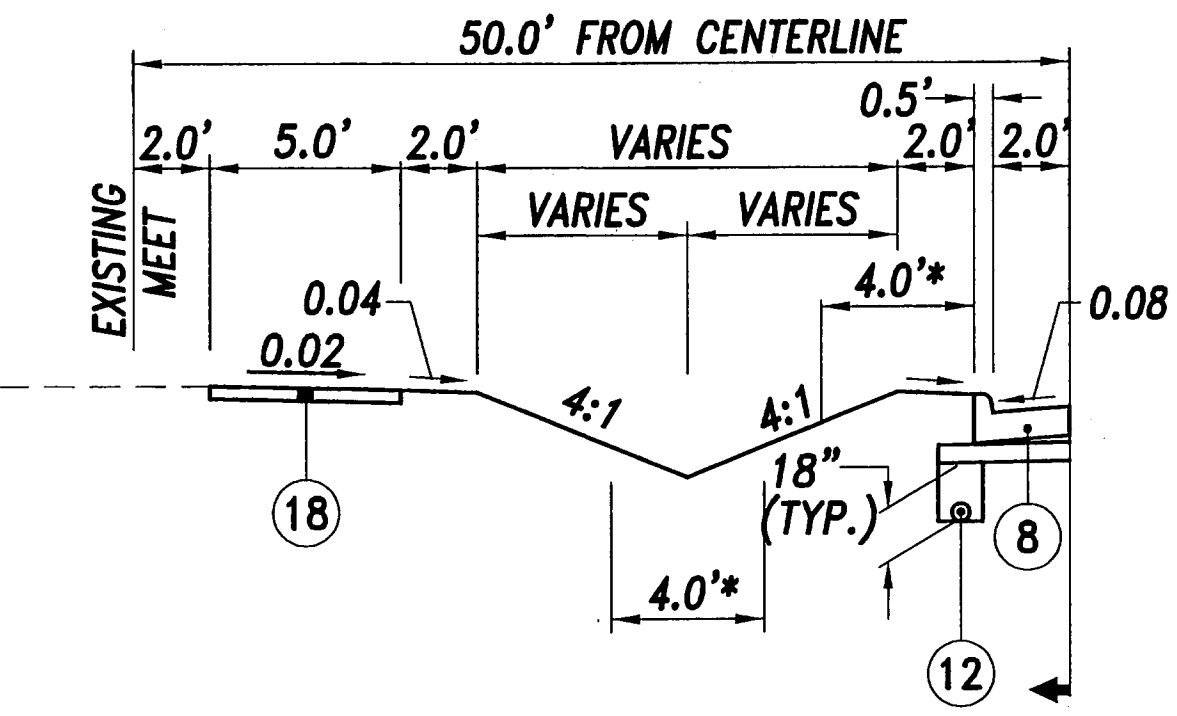


TYPICAL SECTION B - McCORD ROAD
SECTION APPLIES:
STA. 40+60 TO STA. 70+35

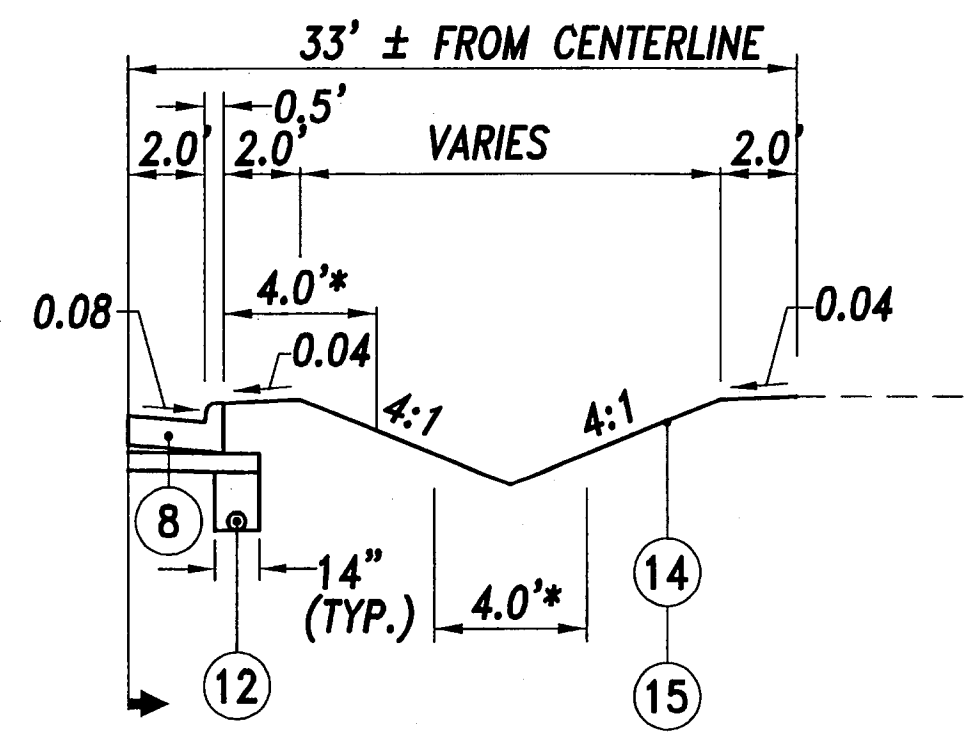
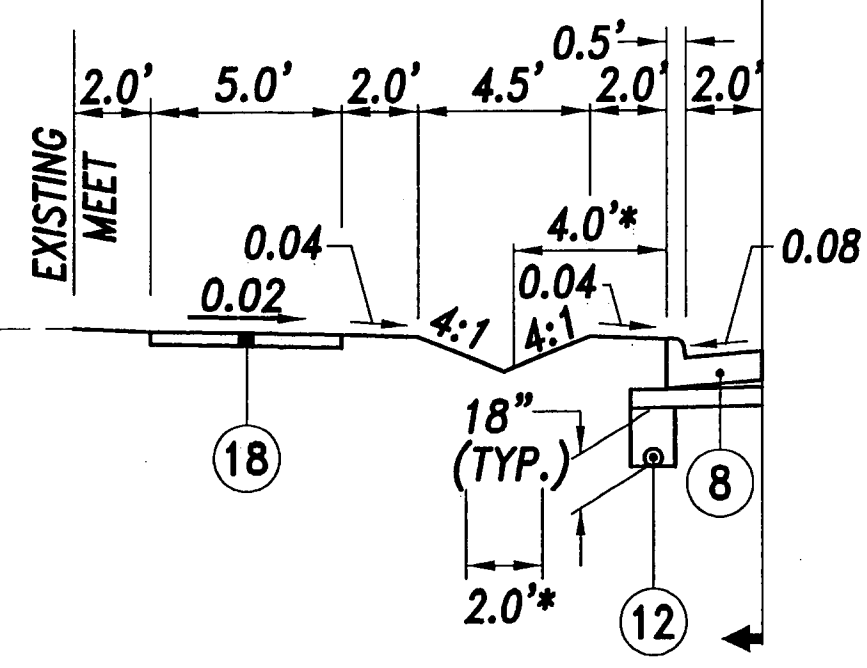




TYPICAL SECTION C - McCORD ROAD
SECTION APPLIES:
STA. 70+35 TO STA. 73+05



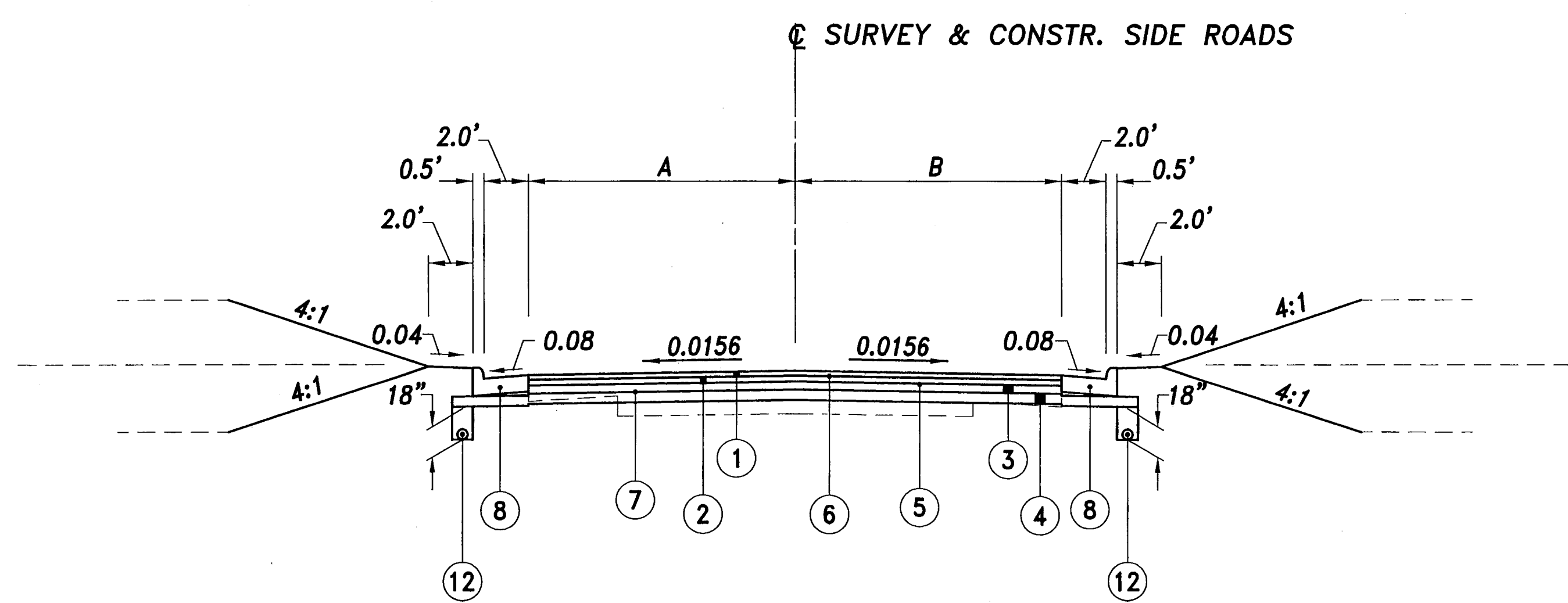
TYPICAL SECTION D - McCORD ROAD
SECTION APPLIES:
STA. 73+05 TO STA. 80+00



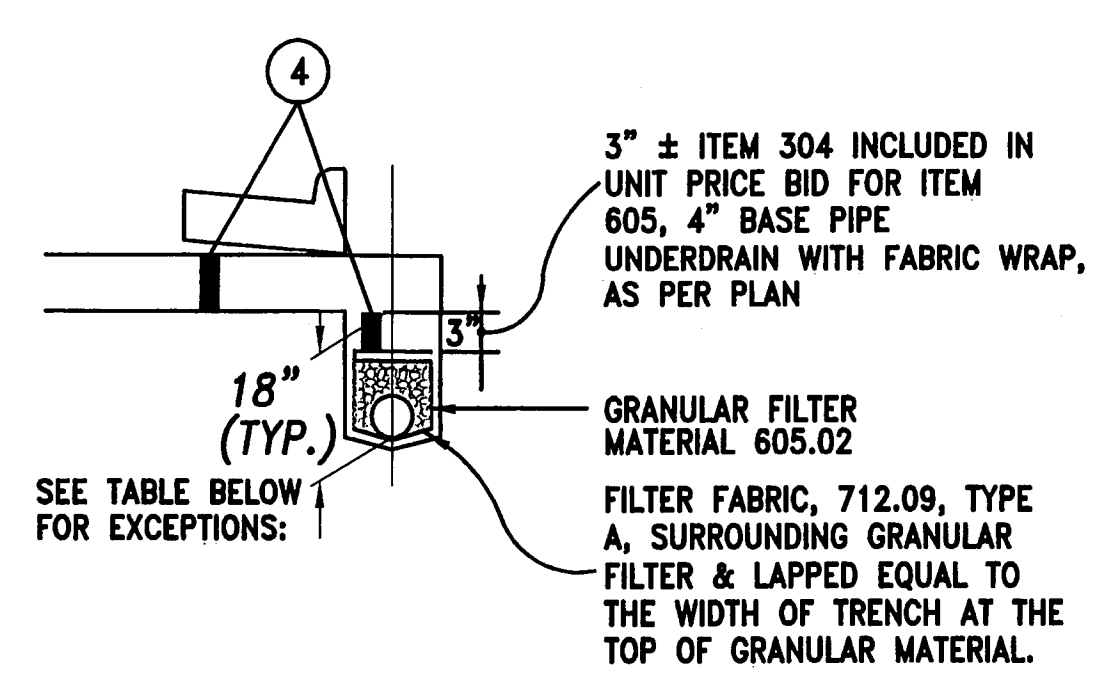
- NOTES:
1. STATION LIMITS ARE APPROXIMATE
2. FOR LEGEND, SEE SHEET 4
3. * ROUNDING, TYP.

DESIGNED	PWH	RJS
REVISED	JML	JML
TYPICAL SECTION SHEET		
LUC. C. R. 73 MCCORD ROAD		
3 107		

ROAD	A	B
KELKER STREET	12.7	10.0
RIDGEWOOD TRAIL	40.9	11.0
BLOSSMAN ROAD	12.5	10.6
MONARCH DRIVE	11.1	11.0
SPARROW HILL ROAD	14.1	10.0



TYPICAL SECTION E
SECTION APPLIES TO KELKER STREET, RIDGEWOOD TRAIL,
BLOSSMAN ROAD, MONARCH DRIVE, AND SPARROW HILL ROAD



UNDERDRAIN DETAIL

- EXCEPTIONS TO 18" DEPTH:**
- RT: Sta 39+30 FL UD= 650.36 to Sta 39+60 FL UD= 650.24
 - LT: Sta 64+87.9 FL UD= 654.96 to Sta 64+50 FL UD= 654.73
 - LT: Sta 65+16.8 FL UD= 655.33 to Sta 65+48.63 FL UD= 655.14
 - LT: Sta 65+48.63 FL UD= 655.14 to Sta 65+99.41 FL UD= 654.90

LEGEND

- ① ITEM 448 - 1 3/4" ASPHALT CONCRETE SURFACE COURSE, TYPE 1H, PG 70-22M
- ② ITEM 448 - 2" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, PG 64-28
- ③ ITEM 302 - 5" ASPHALT CONCRETE BASE, PG64-22
- ④ ITEM 304 - 6" AGGREGATE BASE
- ⑤ ITEM 407 - TACK COAT, APPLIED AT THE RATE OF 0.075 GALLONS PER SQUARE YARD
- ⑥ ITEM 407 - TACK COAT FOR INTERMEDIATE COURSE, APPLIED AT THE RATE OF 0.04 GALLONS PER SQUARE YARD
- ⑦ ITEM 408 - PRIME COAT, APPLIED AT THE RATE OF 0.40 GALLONS PER SQUARE YARD
- ⑧ ITEM 609 - COMBINATION CURB AND GUTTER, TYPE 2
- ⑨ ITEM ____ - NOT USED
- ⑩ ITEM ____ - NOT USED
- ⑪ ITEM 204 - SUBGRADE COMPACTION, AS PER PLAN
- ⑫ ITEM 605 - 4" BASE PIPE UNDERDRAIN WITH FABRIC WRAP, AS PER PLAN, 707.31
- ⑬ ITEM ____ - NOT USED
- ⑭ ITEM 659 - TOPSOIL, (4" THICKNESS)
- ⑮ ITEM 659 - SEEDING AND MULCHING, CLASS 1 (LAWN AREAS)
ITEM 659 - COMMERCIAL FERTILIZER
ITEM 659 - WATER
- ⑯ ITEM ____ - NOT USED
- ⑰ ITEM ____ - NOT USED
- ⑱ ITEM 608 - 4" CONCRETE WALK, 6" AT DRIVES

- Ⓐ 5 1/2"-6 1/2" ASPHALT CONCRETE ON 7" AGGREGATE (LIMEFLY ASH) BASE
- Ⓑ 8 1/2" ASPHALT CONCRETE ON 6" AGGREGATE STONE
- Ⓒ 6 1/2"-7 1/2" ASPHALT CONCRETE ON 7" AGGREGATE (LIMEFLY ASH) BASE

TYPICAL SECTION SHEET

LUC. C. R. 73
MCCORD ROAD

DRAINAGE (continued)

CROSSINGS AND CONNECTIONS TO EXISTING PIPES AND UTILITIES
WHERE PLANS PROVIDE FOR A PROPOSED CONDUIT TO BE CONNECTED TO, OR CROSS OVER OR UNDER AN EXISTING SEWER OR UNDERGROUND UTILITY, THE CONTRACTOR SHALL LOCATE THE EXISTING PIPES OR UTILITIES BOTH AS TO LINE AND GRADE BEFORE STARTING TO LAY THE PROPOSED CONDUIT.

IF IT IS DETERMINED THAT THE ELEVATION OF THE EXISTING CONDUIT, OR EXISTING APPURTENANCE TO BE CONNECTED, DIFFERS FROM THE PLAN ELEVATION OR RESULTS IN A CHANGE IN THE PLAN CONDUIT SLOPE, THE ENGINEER SHALL BE NOTIFIED BEFORE STARTING CONSTRUCTION OF ANY PORTION OF THE PROPOSED CONDUIT WHICH WILL BE AFFECTED BY THE VARIANCE IN THE EXISTING ELEVATIONS.

IF IT IS DETERMINED THAT THE PROPOSED CONDUIT WILL INTERSECT AN EXISTING SEWER OR UNDERGROUND UTILITY IF CONSTRUCTED AS SHOWN ON THE PLAN, THE ENGINEER SHALL BE NOTIFIED BEFORE STARTING CONSTRUCTION OF ANY PORTION OF THE PROPOSED CONDUIT WHICH WOULD BE AFFECTED BY THE INTERFERENCE WITH AN EXISTING FACILITY.

PAYMENT FOR ALL OPERATIONS DESCRIBED ABOVE SHALL BE INCLUDED IN THE CONTRACT PRICE BID FOR THE PERTINENT 603 CONDUIT ITEM.

REVIEW OF DRAINAGE FACILITIES

BEFORE ANY WORK IS STARTED ON THE PROJECT AND AGAIN BEFORE FINAL ACCEPTANCE BY THE COUNTY, REPRESENTATIVES OF THE COUNTY, AND THE CONTRACTOR SHALL MAKE AN INSPECTION OF THE EXISTING STORM SEWERS WITHIN THE PROJECT LIMITS THAT ARE TO REMAIN IN SERVICE AND WHICH MAY BE AFFECTED BY THE WORK. THE CONDITION OF THE EXISTING CONDUITS AND THEIR APPURTENANCE SHALL BE DETERMINED FROM FIELD OBSERVATIONS. RECORDS OF THE INSPECTION SHALL BE KEPT IN WRITING BY THE COUNTY.

ALL NEW CONDUITS, INLETS, CATCH BASINS, AND MANHOLES CONSTRUCTED OR RECONSTRUCTED AS A PART OF THE PROJECT SHALL BE FREE OF ALL FOREIGN MATTER AND IN A CLEAN CONDITION BEFORE THE PROJECT WILL BE ACCEPTED BY THE COUNTY.

ALL EXISTING SEWERS INSPECTED INITIALLY BY THE ABOVE MENTIONED PARTIES SHALL BE MAINTAINED AND LEFT IN A CONDITION REASONABLY COMPARABLE TO THAT DETERMINED BY THE ORIGINAL INSPECTION. ANY CHANGE IN THE CONDITION RESULTING FROM THE CONTRACTOR'S OPERATIONS SHALL BE CORRECTED BY THE CONTRACTOR TO THE SATISFACTION OF THE ENGINEER.

PAYMENT FOR ALL OPERATIONS DESCRIBED ABOVE SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR THE PERTINENT 603 CONDUIT ITEMS.

MANHOLES, CATCH BASINS AND INLETS REMOVED OR ABANDONED

ALL CASTINGS SHALL BE CAREFULLY REMOVED AND STORED WITHIN THE RIGHT-OF-WAY FOR SALVAGE BY THE LUCAS COUNTY FORCES OR THEIR AUTHORIZED REPRESENTATIVES.

PAYMENT FOR ALL OF THE ABOVE SHALL BE INCLUDED IN THE CONTRACT PRICE FOR THE PERTINENT 202 ITEM.

PIPE COLLARS

WHERE CONNECTIONS ARE MADE BETWEEN RIGID AND FLEXIBLE PIPE SECTIONS OR BETWEEN PIPE SECTIONS OF DIFFERENT KIND OR TYPE OF END FABRICATION, WHETHER REQUIRED BY THE PLANS OR ENCOUNTERED IN CONNECTION TO EXISTING FACILITIES, THE JOINT SHALL BE SEALED BY MEANS OF A CONCRETE COLLAR, AS PER STANDARD DRAWING DM-1.1, EXCEPT THAT NO SUCH COLLARS WILL BE USED ON THE OUTLET PIPES FOR FIELD DRAINS. PAYMENT FOR ALL OPERATIONS DESCRIBED ABOVE SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE PERTINENT 603 CONDUIT ITEMS.

ALTERNATE PIPE COLLARS

FERNCO FITTINGS WILL BE AN ACCEPTABLE ALTERNATE TO THE CONCRETE COLLARS SPECIFIED IN THE PLAN FOR CONNECTIONS BETWEEN EXISTING AND PROPOSED CONDUIT, 12" DIAMETER AND SMALLER.

BEDDING

THE BEDDING FOR CONDUIT ON THIS PROJECT SHALL BE AS PER 603.04 AND THE FOLLOWING:

- * TYPE 2 BEDDING FOR TYPE B CONDUIT AND TYPE C CONDUIT EXCEPT 706.02. STRUCTURAL TYPE 1 MEETING THE GRADATION OF 304 OR STRUCTURAL BACKFILL, TYPE 3 SHALL BE USED.
- * TYPE 3 BEDDING FOR 706.02 TYPE C CONDUIT MAY BE USED.

BACKFILL FOR CONDUIT

PIPE AND/OR STRUCTURES WITHIN FIVE (5) FEET OF THE PROPOSED BERM, UNDER THE PROPOSED PAVEMENT AND ACROSS DRIVEWAYS SHALL BE BACKFILLED WITH STRUCTURAL BACKFILL, TYPE 1, 304 GRADATION, 703.11, TO THE SUBGRADE, WHETHER TYPE B OR TYPE C CONDUIT. THESE COSTS SHALL BE INCLUDED IN THE PERTINENT 603 OR 604 ITEM.

JOINT TESTING

HYDROSTATIC TESTING WILL BE WAIVED FOR STORM SEWER CONDUITS SPECIFIED TO HAVE JOINTS AS PER 706.11.

ITEM 603. CONDUIT, AS PER PLAN

WHERE TYPE B OR C CONDUIT OF LESS THAN OR EQUAL TO 18" DIAMETER IS SPECIFIED THE CONTRACTOR MAY USE ANY OF THE FOLLOWING CONDUIT MATERIALS:

CONCRETE CONDUIT:

- * ODOT 706.02 WITH 706.11 JOINTS
- THE BEDDING FOR TYPE C CONDUIT MAY CONSIST OF A NATURAL FOUNDATION WITH RECESSES SHAPED TO RECEIVE THE BELL AND SPIGOT PIPE. SCARIFY AND LOOSEN THE MIDDLE ONE THIRD OF THE TRENCH.

POLYVINYL CHLORIDE (PVC) CONDUIT:

- * ODOT 707.42
 - * ODOT 707.43
 - * ODOT 707.45 (FOR 15" AND UNDER DIAMETER)
 - * ASTM F679 (FOR 18" DIAMETER)
- PVC CONDUIT WILL ONLY BE PERMITTED AT THOSE LOCATIONS WHERE A MINIMUM COVER FROM THE TOP OF THE PIPE TO THE BOTTOM OF THE SUBGRADE IS 12 INCHES, HOWEVER, IN NO INSTALLATION SHALL THE DISTANCE FROM THE TOP OF THE PIPE TO THE SURFACE OF THE PAVEMENT, OR FINISH GRADE FOR CONDUIT NOT UNDER THE PAVEMENT, BE LESS THAN 18 INCHES. THE BEDDING SHALL EXTEND TO A HEIGHT OF 12 INCHES ABOVE THE TOP OF THE PVC CONDUIT.

POLYETHYLENE CONDUIT:

- * ODOT 707.33 WITH IN-LINE BELL COUPLINGS AND O-RING RUBBER GASKETS MEETING ASTM F477 ONLY.
- POLYETHYLENE CONDUIT WILL ONLY BE PERMITTED AT THOSE LOCATIONS WHERE A MINIMUM COVER FROM THE TOP OF THE PIPE TO THE BOTTOM OF THE SUBGRADE IS 12 INCHES, HOWEVER, IN NO INSTALLATION SHALL THE DISTANCE FROM THE TOP OF THE PIPE TO THE SURFACE OF PAVEMENT, OR FINISH GRADE FOR CONDUIT NOT UNDER THE PAVEMENT, BE LESS THAN 18 INCHES. THE BEDDING SHALL EXTEND TO A HEIGHT OF 12 INCHES ABOVE THE TOP OF THE POLYETHYLENE CONDUIT.

WHERE 21" OR 24" DIAMETER IS SPECIFIED FOR EITHER TYPE B CONDUIT NOT UNDER THE MAINLINE PAVEMENT INCLUDING SHOULDER AND BERM, OR TYPE C CONDUIT, THE CONTRACTOR MAY USE ANY OF THE FOLLOWING CONDUIT MATERIAL:

CONCRETE CONDUIT:

- * ODOT 706.02 WITH 706.11 JOINTS
- THE BEDDING FOR TYPE C CONDUIT MAY CONSIST OF A NATURAL FOUNDATION WITH RECESSES SHAPED TO RECEIVE THE BELL AND SPIGOT PIPE. SCARIFY AND LOOSEN THE MIDDLE ONE THIRD OF THE TRENCH.

POLYVINYL CHLORIDE (PVC) CONDUIT:

- * ODOT 707.42
 - * ODOT 707.43
 - * ASTM F679
- PVC CONDUIT WILL ONLY BE PERMITTED AT THOSE LOCATIONS WHERE A MINIMUM COVER FROM THE FINISH GRADE TO THE TOP OF THE PIPE IS 18 INCHES OR GREATER. THE BEDDING SHALL EXTEND TO A HEIGHT OF 12 INCHES ABOVE THE TOP OF THE PVC CONDUIT.

POLYETHYLENE CONDUIT:

- * ODOT 707.33 WITH IN-LINE BELL COUPLINGS AND O-RING RUBBER GASKETS MEETING ASTM F477 ONLY.
- POLYETHYLENE CONDUIT WILL ONLY BE PERMITTED AT THOSE LOCATIONS WHERE A MINIMUM COVER FROM THE FINISH GRADE TO THE TOP OF THE PIPE IS 18 INCHES OR GREATER. THE BEDDING SHALL EXTEND TO A HEIGHT OF 12 INCHES ABOVE THE TOP OF THE POLYETHYLENE CONDUIT.

21" AND 24" UNDER MAINLINE PAVEMENT INCLUDING SHOULDER AND BERM, AND ALL CONDUIT OVER 27" SHALL BE 706.02 W/ 706.11 JOINTS.

PIPE SPECIALS

THE UNIT PRICE FOR THE CONDUIT SHALL INCLUDE ALL PIPE BENDS, TEES, WYES, AND FITTINGS NECESSARY TO CONSTRUCT THE CONDUIT. ALL PIPE SPECIALS AND ANY CONNECTIONS TO STORM DRAINAGE CONDUIT SHALL BE FACTORY MADE. ALL DRAINAGE CONNECTIONS TO EXISTING CONCRETE OR PLASTIC PIPE SHALL BE CORED AND ATTACHED WITH BOOT ASSEMBLIES OR AN APPROVED EQUAL (SUCH AS "KOR-N-TEE" OR "INSERT-A-TEE" ASSEMBLIES).

FINAL STRUCTURE ELEVATION

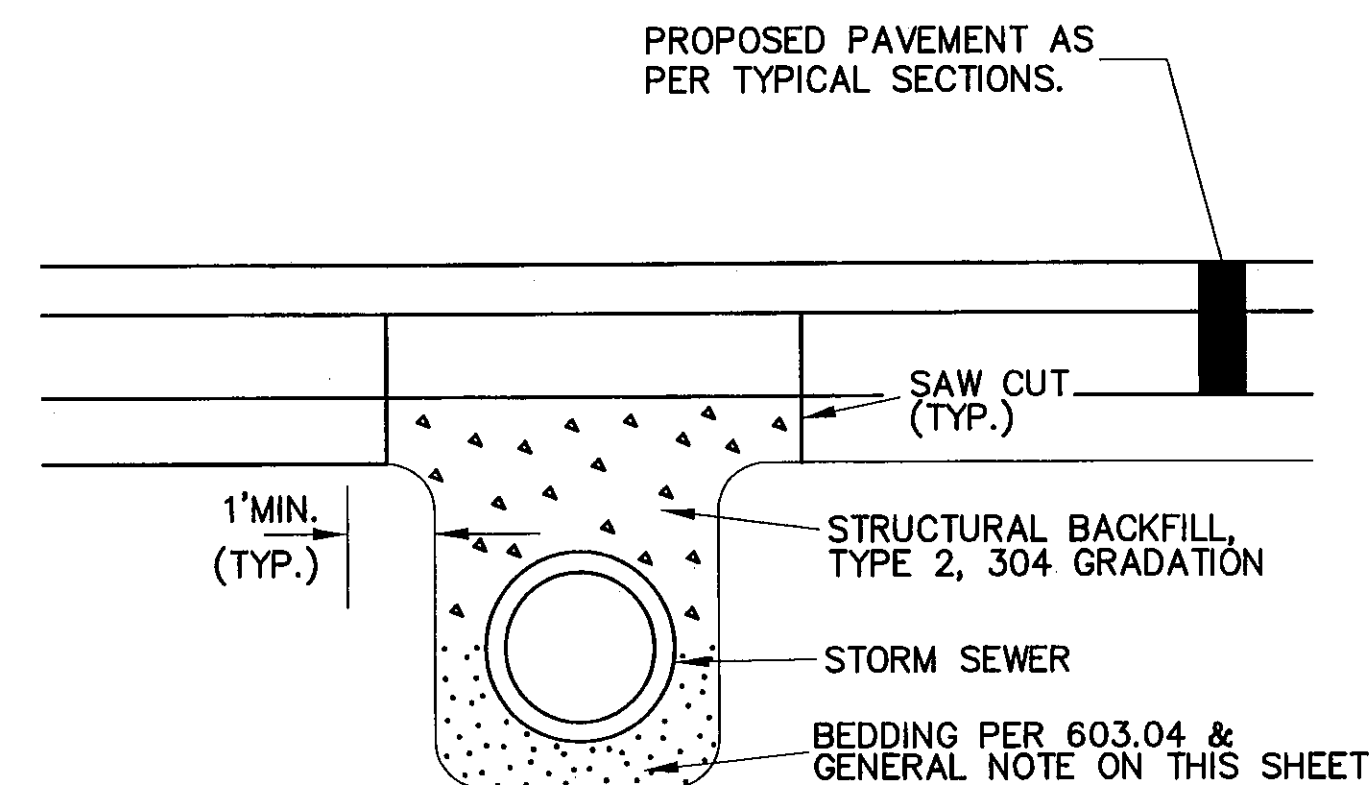
LUCAS COUNTY RESERVES THE RIGHT TO REVISE FINAL FINISHED GRADE AFTER ROUGH GRADING HAS BEEN COMPLETED. THIS COST SHALL BE INCLUDED IN ITEM 604. THE CONTRACTOR SHALL CONSIDER THIS IF PRECAST STRUCTURES ARE USED.

STRUCTURE AND TRENCH BACKFILL

NEW OR RECONSTRUCTED DRAINAGE STRUCTURES AND PIPE TRENCH SHALL BE BACKFILLED TO NORMAL GROUND ELEVATION BY THE END OF EACH DAY. STRUCTURE TOPS SHALL BE SECURELY COVERED ALSO BY THE END OF EACH DAY. IF THE CONTRACTOR IS UNABLE TO BACKFILL AROUND STRUCTURE AND PIPE TRENCH, AS STATED ABOVE, THEN A SAFETY FENCE SHALL BE PLACED SECURELY AROUND OPEN AREAS AT THE END OF THE DAY.

PAVEMENT REPLACEMENT AT CROSSOVERS

PAVEMENT REPLACEMENT AT THE PROPOSED CROSSOVERS AND MAINLINE STORM SEWER SHALL CONFORM TO THE FOLLOWING DETAIL:



PRIOR TO OPENING THE ROAD (OR LANE) TO TRAFFIC, PAVEMENT RESTORATION PER 603.10 SHOULD BE COMPLETE. SHOULD PERMANENT PAVEMENT NOT BE PLACED, 304 GRANULAR MATERIAL AND A 3" LAYER OF ITEM 448 TYPE 1 SURFACE COURSE OR APPROVED COLD MIX ASPHALT, SHALL BE USED TO BRING THE SURFACE OF THE CROSSOVER CUT EVEN WITH THE EXISTING PAVEMENT. ANY TEMPORARY PAVEMENT PLACEMENT SHALL BE CONSIDERED INCIDENTAL TO THE CONDUIT INSTALLATION.

NO TRENCH SHALL BE LEFT OPEN OVER NIGHT. IF WORK IS SUSPENDED DUE TO INCLEMENT WEATHER OR OTHER REASONS, OPEN TRENCH AREAS SHALL BE BACKFILLED AS DIRECTED BY THE ENGINEER.

PAYMENT FOR ALL LABOR, MATERIALS AND EQUIPMENT NECESSARY FOR THE PAVEMENT REPLACEMENT SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE BID FOR THE PERTINENT CONDUIT ITEM.

ITEM 604. CATCH BASIN, AS PER PLAN (STA. 73+00.84, 23.99' LT.)

THIS ITEM SHALL INCLUDE RECONSTRUCTING THE EXISTING MANHOLE TO A CATCH BASIN USING A NEENAH R-3274A FRAME AND GRATE OR EQUAL SHALL BE FURNISHED AND INSTALLED IN LIEU OR REUSING THE SALVAGED CASTINGS.

ITEM 604. CATCH BASIN NO. (2-2-B, ETC.) BICYCLE SAFE GRATES

CATCH BASINS SHALL BE CONSTRUCTED IN CONFORMANCE WITH ITEM 604 EXCEPT THAT THE GRATES SHALL BE EAST JORDAN NO. 5110 TYPE M3, NEENAH R-4859-S, OR APPROVED EQUALS.

ITEM 604. CATCH BASIN NO. (3, 3A, ETC.) BICYCLE SAFE GRATES

CATCH BASINS SHALL BE CONSTRUCTED IN CONFORMANCE WITH ITEM 604 EXCEPT THAT THE GRATES SHALL BE BICYCLE SAFE GRATES.

ITEM 604. CATCH BASIN, RECONSTRUCTED TO GRADE, AS PER PLAN (STA. 58+60.26, 26.22' RT.)

THIS ITEM SHALL BE AS PER 604.03 EXCEPT, A NEW CATCH BASIN NO 2-5 TOP WITH SINUSOIDAL GRATE SHALL BE PROVIDED IN LIEU OF REUSING THE EXISTING TOP. THE TOP SHALL BE SLANTED AS SHOWN USING ADJUSTING RINGS AND BLOCK UNLESS OTHERWISE APPROVED BY THE ENGINEER. THE EXISTING CATCH BASIN IS A PRECAST CONCRETE STRUCTURE WITH A 5' X 5' INSIDE DIMENSION (CB 2-5).

ITEM 604. MANHOLE NO. 3

FRAME AND COVER SHALL BE OF HEAVY DUTY WHEN THE MANHOLE IS PLACED WITHIN THE LIMITS OF THE PAVEMENT, IN DRIVEWAYS, PAVED BERM, OR SHOULDER AREA, OTHERWISE THE LIGHT DUTY MAY BE USED.

ITEM 604. MANHOLE NO. 3, AS PER PLAN

THE MANHOLE SHALL BE CONSTRUCTED AS PER O.D.O.T. STANDARD MANHOLE NO. 3, EXCEPT A NEENAH R-1787 FRAME AND LID OR EQUAL SHALL BE FURNISHED AND INSTALLED IN LIEU OF USING THE FRAME AND COVER INDICATED IN THE STANDARD DRAWING.

GRADING AND CLEANUP

GRADING AND CLEANUP SHALL FOLLOW CLOSELY BEHIND ANY DRAINAGE CONSTRUCTION. THIS WORK SHALL INCLUDE GRADING, TO ACHIEVE POSITIVE DRAINAGE OF WORK LIMITS AND CLEANUP INCLUDING ANY REMOVAL FROM THE SITE OF ANY MATERIALS, SPOILS, ETC. THIS GRADING AND CLEANUP SHALL BE PERFORMED SIMULTANEOUSLY WITH ALL DRAINAGE CONSTRUCTION PHASES OF THE PROJECT. ALL COST OF EQUIPMENT, MATERIAL AND LABOR NEEDED TO PERFORM THIS GRADING AND CLEANUP SHALL BE INCLUDED IN THE PERTINENT CONDUIT AND DRAINAGE STRUCTURE ITEM.

IF THE CONTRACTOR DOES NOT CONTINUOUSLY PERFORM THE WORK WITH REASONABLE PROGRESS TO THE SATISFACTION OF THE ENGINEER, OR FAILS TO PERFORM THE GRADING AND CLEANUP WORK, THEY WILL BE NOTIFIED IN WRITING BY THE LUCAS COUNTY ENGINEER. UPON RECEIPT OF THIS NOTIFICATION, THE CONTRACTOR HAS THREE (3) BUSINESS DAYS TO COMMENCE DEFICIENT WORK AS INDICATED IN THE WRITTEN NOTIFICATION. LIQUIDATED DAMAGES AS PER THE TABLE IN SECTION 108.07 OF O.D.O.T. CONSTRUCTION AND MATERIAL SPECIFICATIONS WILL BE ASSESSED FOR EACH CALENDAR DAY BEYOND THE THREE (3) BUSINESS DAYS THAT THE WORK DOES NOT COMMENCE, AND FOR EACH DAY THEREAFTER THAT THE WORK IS NOT CONTINUOUS.

PAVEMENT

TACK COAT

THE RATE OF APPLICATION OF THE TACK COAT SHALL BE SUBJECT TO ADJUSTMENT AS DIRECTED BY THE ENGINEER. PLAN QUANTITIES INDICATE AN AVERAGE APPLICATION RATE OF 0.075 GALLON PER SQUARE YARD OF TACK COAT FOR THE INITIAL APPLICATION, AND 0.04 GALLON PER SQUARE YARD FOR THE INTERMEDIATE COURSE APPLICATION FOR ESTIMATING PURPOSES ONLY.

FEATHER OR BUTT JOINTS

ALL FEATHER OR BUTT JOINTS SHALL BE AS PER O.D.O.T. STANDARD CONSTRUCTION DRAWING BP-3.1 AND IN ADDITION, SHALL INCLUDE A 6" WIDE STRIP OF ASPHALT BINDER 702.01 APPLIED TO THE SURFACE OF THE JOINT. PAYMENT FOR THE ASPHALT BINDER AND ITS APPLICATION SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE BID FOR ITEM 448. ASPHALT CONCRETE, SURFACE COURSE, TYPE 1, PG 64-22. ALL FEATHERS SHALL BE TAPER EDGE TYPE UNLESS OTHERWISE SPECIFIED.

JOINT SEALERS

ALL REFERENCES TO 705.01 OR 705.02, APPEARING ON THE PLANS OR STANDARD CONSTRUCTION DRAWINGS, SHALL BE CONSIDERED TO READ 705.04.

AUTOMATIC GRADE CONTROL

PAVERS USED FOR THE INTERMEDIATE 448 COURSE PLACEMENT SHALL UTILIZE AN AUTOMATIC GRADE CONTROL SYSTEM. THE FLOATING BEAM (SKI) SHALL HAVE A MINIMUM LENGTH OF THIRTY (30) FEET

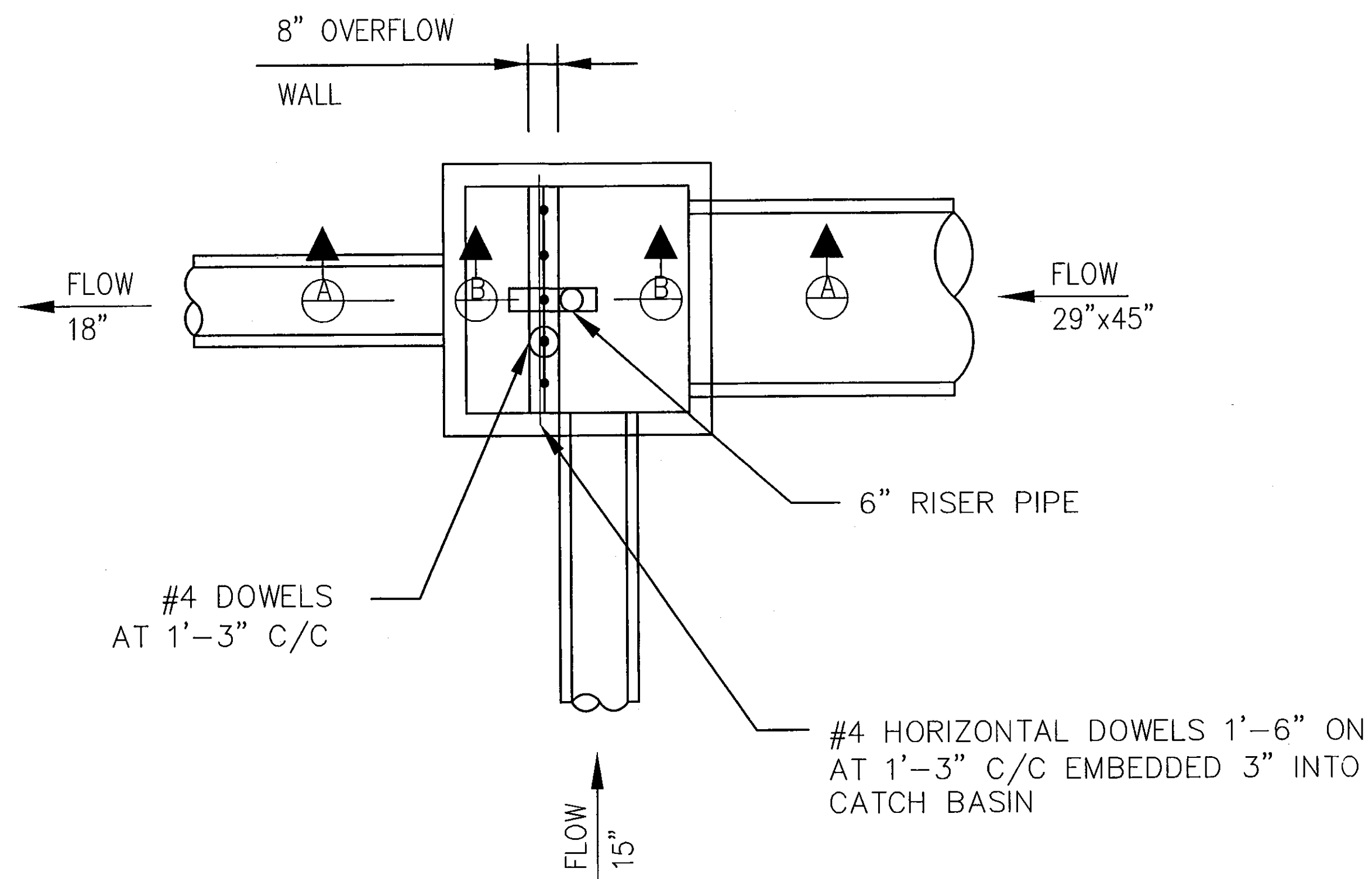
ITEM 609 - COMBINATION CURB AND GUTTER, TYPE 2

THE COST OF ADDITIONAL WORK FORMS, PROVIDING AND PLACING CONCRETE AROUND SEWER OR WATER MANHOLES SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 609 COMBINATION CURB AND GUTTER, TYPE 2.

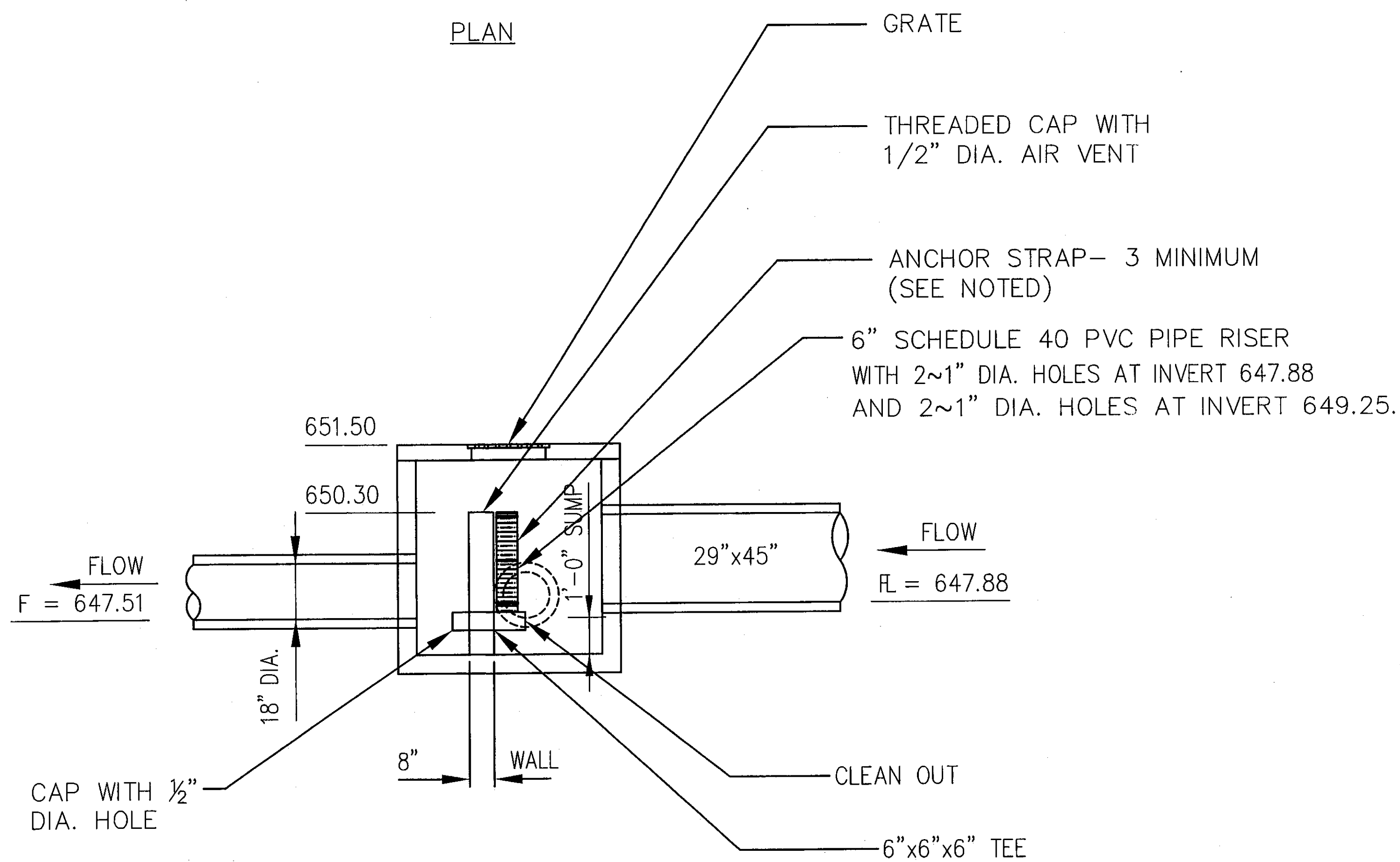
DESIGNED BY	PWH
DRAWN BY	RJS
REVIEWED BY	JML

GENERAL NOTES

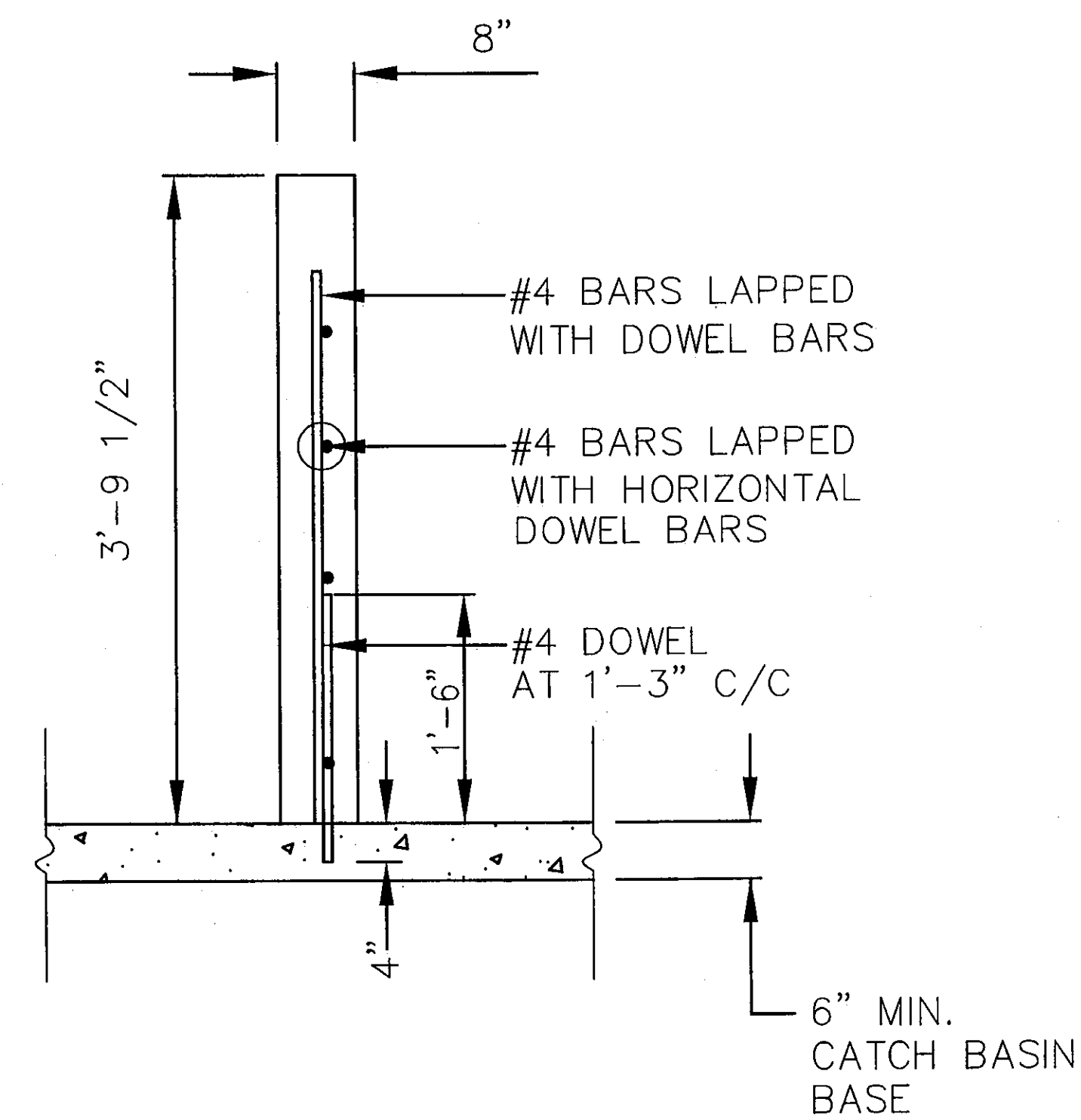
LUC. C.R. NO. 73
MCCORD ROAD



PLAN



SECTION A-A



SECTION B-B

STORM WATER DETENTION OVERFLOW CATCH BASIN DETAIL
CATCH BASIN NO. 2-5, AS PER PLAN (BMP)

NOTES:

- SEE STANDARD DRAWING CB-1.3 FOR ADDITIONAL DETAILS.
- ITEM 604 - CATCH BASIN NO. 2-5, AS PER PLAN (BMP):
FURNISH CATCH BASIN BASE WITH PRECAST OVERFLOW WALL OR CONSTRUCT OVERFLOW WALL FROM STRUCTURE CONCRETE, CLASS C. ALL MATERIAL AND LABOR, INCLUDING EXCAVATION AND BACKFILL, SHALL BE PAID FOR AT THE CONTRACT PRICE FOR ITEM 604 - CATCH BASIN NO. 2-5, AS PER PLAN (BMP).
- RISER PIPE:
USE SCHEDULE 40 POLYVINYL CHLORIDE CONDUIT.
- STABILIZER AND ANCHOR STRAP:
SECURELY FASTEN THE RISER PIPE TO THE CATCH BASIN IN THE VERTICAL POSITION USING A STABILIZER AND ANCHOR STRAP THAT CONSISTS OF A UNIVERSAL CLAMP OR A STRAP AND BLOCK. ALL METAL COMPONENTS SHALL BE GALVANIZED OR STAINLESS STEEL. ALL OTHER MATERIALS SHALL BE ROT RESISTANT.
- ALL REINFORCEMENT BARS SHALL BE EPOXY COATED.

DESIGNED BY: PW/H
DRAWN BY: JML
LMM

BMP STRUCTURE DETAILS

LUC. C.R. NO. 73
McCORD ROAD

6A
107

EXISTING SEWERS

Except as otherwise provided in these plans, flow in existing storm and sanitary sewers shall be maintained at all times during construction of this project.

The existing sewers and catch basins are to be replaced immediately if damaged during construction by conduit of equal strength and a catch basin of equal construction. These replacements, if necessary, are to be considered paid for in the unit price bid for the installation of the proposed sanitary sewer. Ditches are to be regraded to drain properly.

CONNECTIONS TO EXISTING SEWERS

Where the plans provide for the proposed conduit to be connected to, or to cross either over or under an existing sewer, it shall be the responsibility of the contractor to locate the existing pipe both as to line and grade before he starts construction of the proposed sewer.

The contractor shall be responsible for any damage to existing sewers resulting from his operation or negligence.

OBSTRUCTIONS IN RIGHT-OF-WAY

The contractor shall not remove any mail boxes, paper boxes, private light posts, signs, utility markers, trees, shrubbery, fence, guardrail or other obstructions without the prior approval of the Engineer. The contractor shall notify all property owners and request that the property owner remove fences, shrubs, bushes, light posts, private signs and ornamental landscaping which includes, but is not limited to railroad ties, statues, brick or stone, wash stone, wood chips, etc. from the public right-of-way.

If the owner of said obstruction does not remove or relocate said obstruction within a reasonable time (10 days maximum) the contractor shall remove the obstruction and place it at the direction of the Engineer. If mailboxes cannot be immediately replaced, the contractor shall provide for temporary mail service suitable to the U. S. Postal Service. Payment for this work shall be included in the unit price bid for the pertinent conduit item.

RESTORATION OF RIGHT-OF-WAY

All existing public and quasi-public features in the existing public rights-of-way that are disturbed due to construction such as, but not limited to: mail boxes, curb, guardrails, driveways, swales, sewers, ditches, catch basins, berms, seeded areas, etc., shall be replaced to their original condition in accordance with current Ohio Department of Transportation specifications and in accordance with item 603.12 to the satisfaction of the Lucas County Engineer, unless disposition is indicated separately within the roadway plan.

Payment for this work shall be included in the price bid for lump sum, bid item - Restoration of Right-of-Way, however, no payment for this item shall be made and/or final acceptance of this project until such time as restoration of right-of-way is complete to the satisfaction of both the Lucas County Sanitary Engineer and the Lucas County Engineer.

PERMIT REQUIREMENTS

The contractor shall obtain all required work permits. Copies of permits shall be submitted to the Lucas County Engineer prior to construction.

Permit shall be obtained from the Board of County Commissioners one week prior to commencing work in the public right-of-way in Lucas County. Application for permit shall be made at the office of the Lucas County Engineer, One Government Center, Suite 870, Toledo, Ohio, 43604. Copies of application can be obtained at the office of the Lucas County Sanitary Engineer.

GRADING AND CLEANUP

Grading and cleanup shall follow closely behind any construction. This work shall include grading, to achieve positive drainage of work limits and cleanup including any removal from the site of any materials, spoil, etc. This grading and cleanup shall be performed simultaneously with all construction phases of the project. All cost of equipment, material and labor needed to perform this grading and cleanup shall be included in the pertinent conduit item.

If the contractor does not continuously perform the work with reasonable progress to the satisfaction of the engineer, or fails to perform the grading and cleanup work, they will be notified by the Lucas County Engineer or the Lucas County Sanitary engineer. Upon receipt of this notification, the contractor has three (3) business days to commence deficient work as indicated in the written notification. Liquidated damages as per the table in section 108.07 of O.D.O.T. construction and material specifications will be assessed for each calendar day beyond the three (3) business days that the work does not commence, and for each day thereafter that the work is not continuous.

UTILITY POLE HOLDING

It will be the responsibility of the contractor to coordinate the holding and/or moving of any utility pole(s) with the owner(s) of said pole(s). All costs incurred for holding and/or moving of pole(s) shall be included in the bid price for pipe installed. It will be the ultimate responsibility of the contractor & owner of the pole(s) to make the decision of holding or moving pole(s).

TEMPORARY WORK AGREEMENT

The contractor is to confine construction activity within the right-of-way. If necessary, the contractor shall negotiate work agreements with the property owner. Any costs associated shall be included in the price bid for pertinent conduit items. Copies of agreements shall be provided to the Lucas County Sanitary Engineer prior to any work in these areas.

LANDSCAPING AND TREES

All trees, bushes, shrubs and landscaping are to be saved unless otherwise noted. Trees, bushes, shrubs and landscaping in the public right-of-way may be removed under the direction of the Lucas County Sanitary Engineer.

HORIZONTAL DIRECTIONAL DRILLING

Pipe shall be HDPE pressure process piping, with drilling fluid being bentonite clay mixture. Contractor to determine the pipe SDR based on proposed installation procedures. Pipe size shall be such that the I.D. of the pipe is in no case smaller than the I.D. of AWWA C-900 PVC plastic pipe.

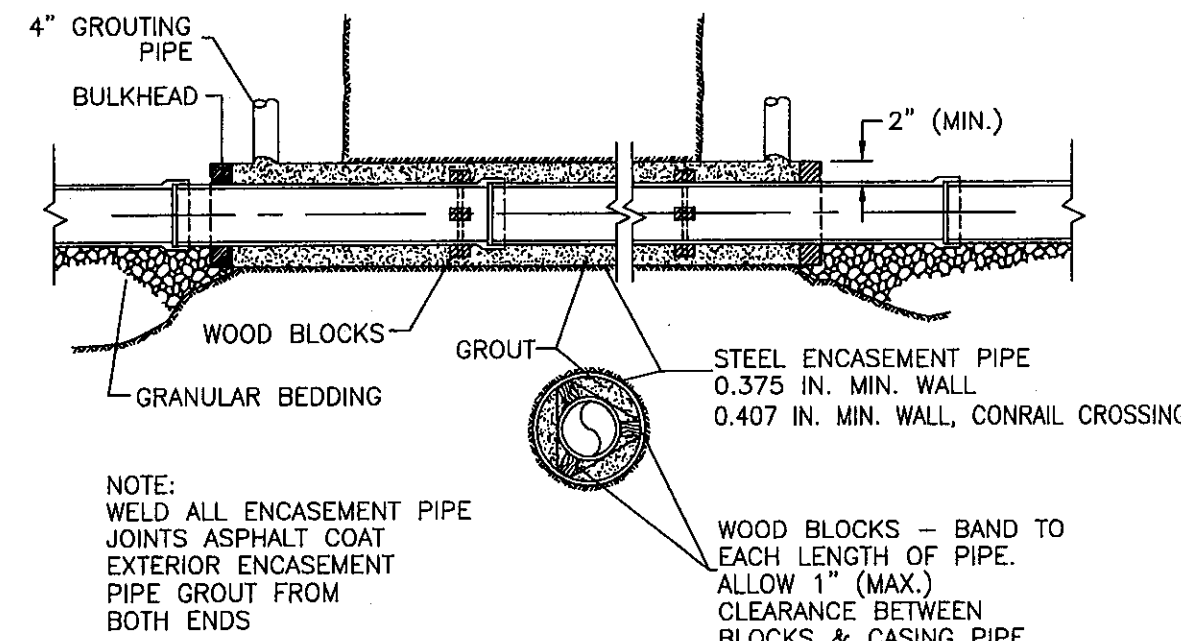
Contractor is responsible for locating the bore hole and receiving hole to allow for connection of the pipe. Pull back the entire pipeline length in one segment back through the drilling fluid along the reamed hole pathway. Pullback speed to be within manufacturer's recommendations. Any bits, drill, etc. lost or stuck in hole shall be removed at contractor's expense. If tools cannot be readily removed, contractor may abandon the hole with no payment being made for lost tools or work time on abandoned holes. A variation of greater than six (6) inches from the horizontal plan or designated grade is sufficient reason to reject the pipe and have the pipe re bored at the contractor's expense. Spent drilling fluid shall be confined to the vicinity of the drilling rig. Any drilling fluid entering the pipe shall be removed by flushing or other suitable means. Should the bore hole blowout due to excessive pressure in drilling fluid, no additional payments shall be made to contractor for cleanup costs. Pits shall be backfilled, and disturbed surface shall be restored to the satisfaction of the inspector/engineer.

WHERE SHOWN, THE SANITARY SEWER LINE SHALL BE INSTALLED WITHIN STEEL ENCASEMENT PIPE. THE ENCASEMENT PIPE SHALL BE WELDED STEEL PIPE, OR LUCAS COUNTY APPROVED EQUAL, AND SHALL BE ASPHALT COATED ON THE OUTSIDE. THE ENCASEMENT PIPE SHALL HAVE A MINIMUM TENSILE STRENGTH OF 60,000 P.S.I., A MINIMUM YIELD STRENGTH OF 35,000 P.S.I., AND A MINIMUM WALL THICKNESS OF 0.375 IN. AND 0.407 IN. FOR CONRAIL CROSSING. THE MINIMUM DIAMETER OF ENCASEMENT PIPE SHALL BE THE OUTSIDE DIAMETER OF THE BELL + FOUR (4) INCHES, OR AS DIRECTED BY THE ENGINEER.

THE ENCASEMENT PIPE SHALL BE INSTALLED BY BORING AND JACKING AND IN SUCH A MANNER SO AS TO ALLOW THE PIPE TO BE LAID AT THE PROPER GRADE. WHEN DIRECTED BY THE LUCAS COUNTY ENGINEER, THIS OPERATION SHALL BE CONTINUOUS (AROUND THE CLOCK UNTIL COMPLETE) AND CONDUCTED SO AS NOT TO INTERFERE WITH, INTERRUPT OR ENDANGER THE OPERATION OF TRAFFIC NOR DAMAGE, DESTROY, OR ENDANGER THE INTEGRITY OF THE ROADWAY FACILITIES.

UPON COMPLETION OF THE PIPE INSTALLATION, THE AREA BETWEEN THE PIPE AND THE ENCASEMENT PIPE SHALL BE COMPLETELY FILLED WITH A SAND AND CEMENT MIXTURE OR GROUT AS REQUIRED BY THE ENGINEER. CARE SHALL BE TAKEN TO INSURE THAT THE PIPE DOES NOT SHIFT WITHIN THE ENCASEMENT PIPE. IF REQUIRED, THE ENDS OF THE ENCASEMENT PIPE SHALL BE SEALED WITH 2 INCH THICK REDWOOD BULKHEADS.

SEWER SUPPLY LINE SHALL PASS THE REQUIRED TESTING PROCEDURES BEFORE THE ENCASEMENT PIPE IS GROUTED.



SANITARY SEWER & WATER SUPPLY LINE
BORING DETAIL
N.T.S.

SANITARY SEWER SUB-SUMMARY

ITEM	QUAN.	UNIT	DESCRIPTION
603	20	L.F.	12" CONDUIT, TYPE "B" (AVE. CUT 14'~16')
603	189	L.F.	12" CONDUIT, TYPE "C" (AVE. CUT 14'~16')
603	69	L.F.	8" CONDUIT, TYPE "B" (AVE. CUT 12'~14')
603	247	L.F.	8" CONDUIT, TYPE "C" (AVE. CUT 12'~14')
604	26.79	V.F.	TYPE 2 STANDARD MANHOLE (2)
603	20	V.F.	6" RISER
603	540	L.F.	6" SERVICE CONNECTION, TYPE "B"
603	218	L.F.	6" SERVICE CONNECTION, TYPE "C"
603	9	EA.	6" GPK DEEP SOCKET
603	10	EA.	6"~45 DEGREE BEND
603	4	EA.	8"x 6" REDUCER
603	1	EA.	6" DOUBLE WYE
603	1	EA.	8" PLUG
Spec	1	L.S.	RESTORATION OF RIGHT-OF-WAY

DESIGNED BY:
LCSE

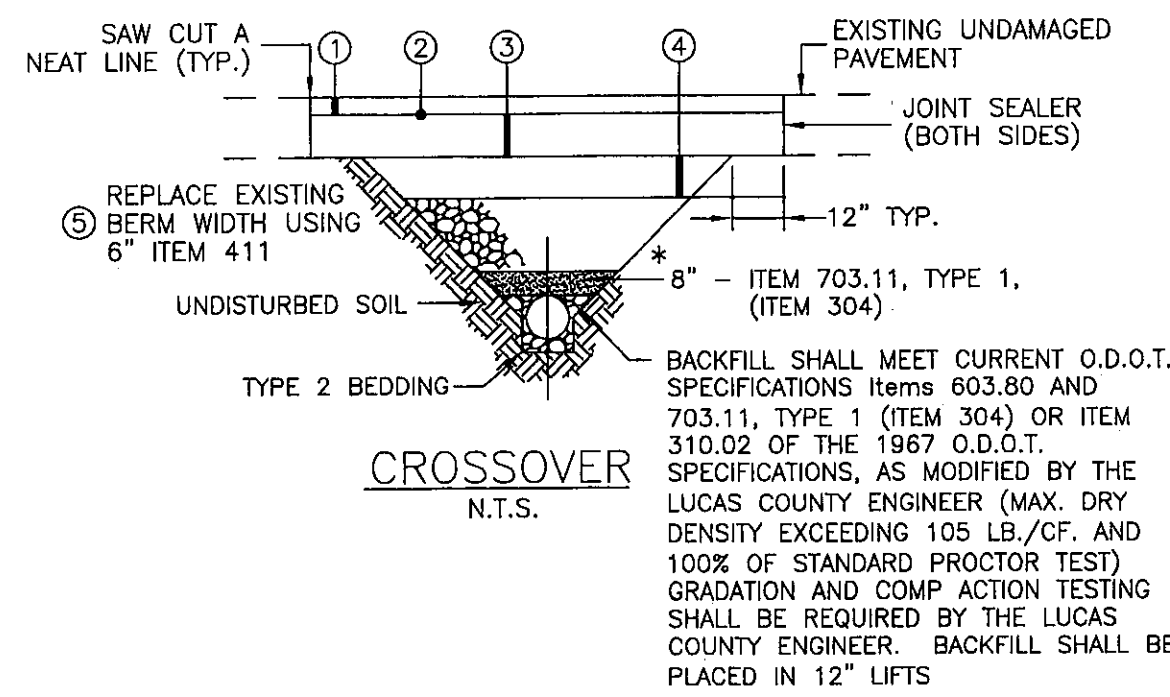
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LCSE

SANITARY SEWER
GENERAL NOTES & DETAILS

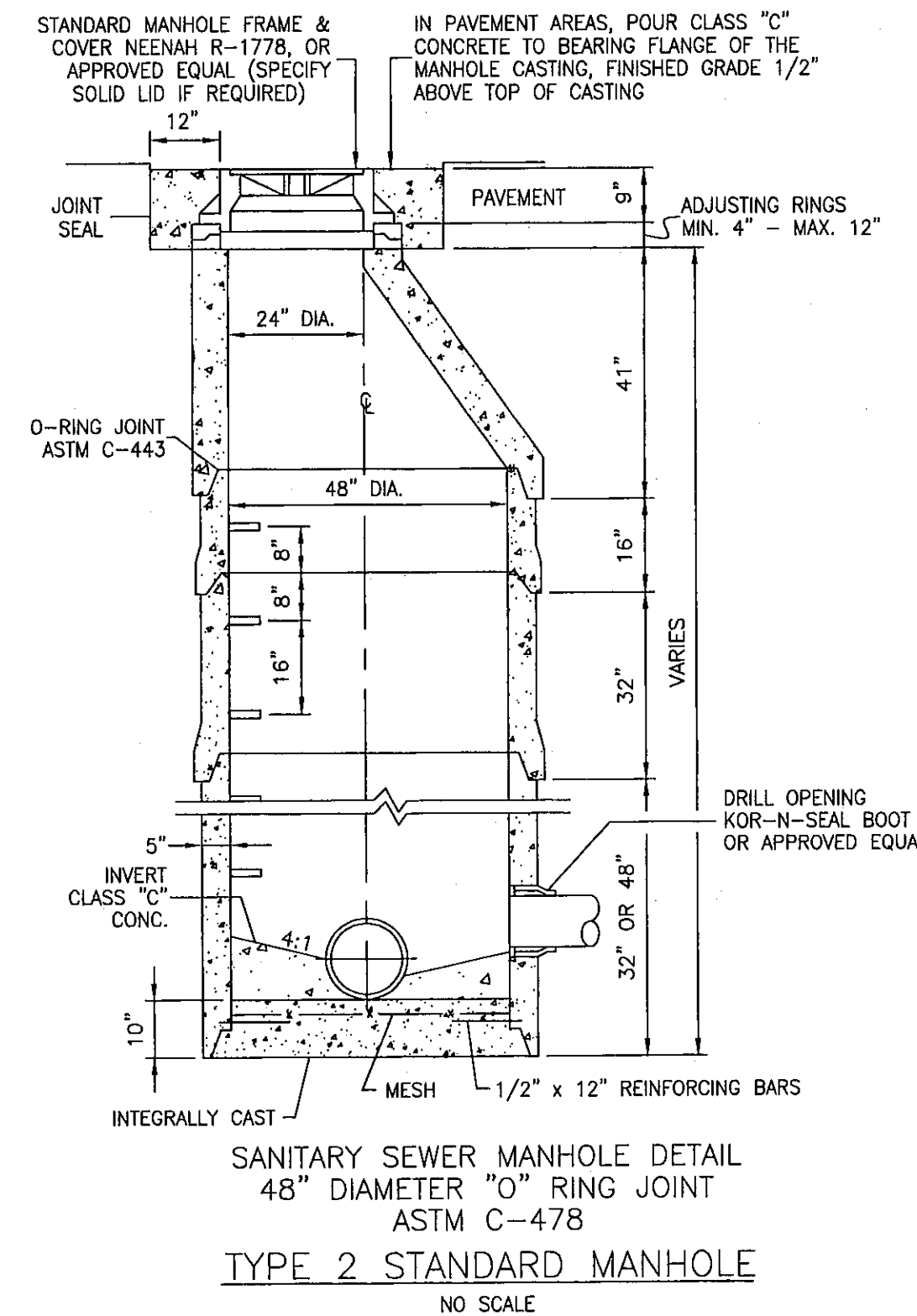
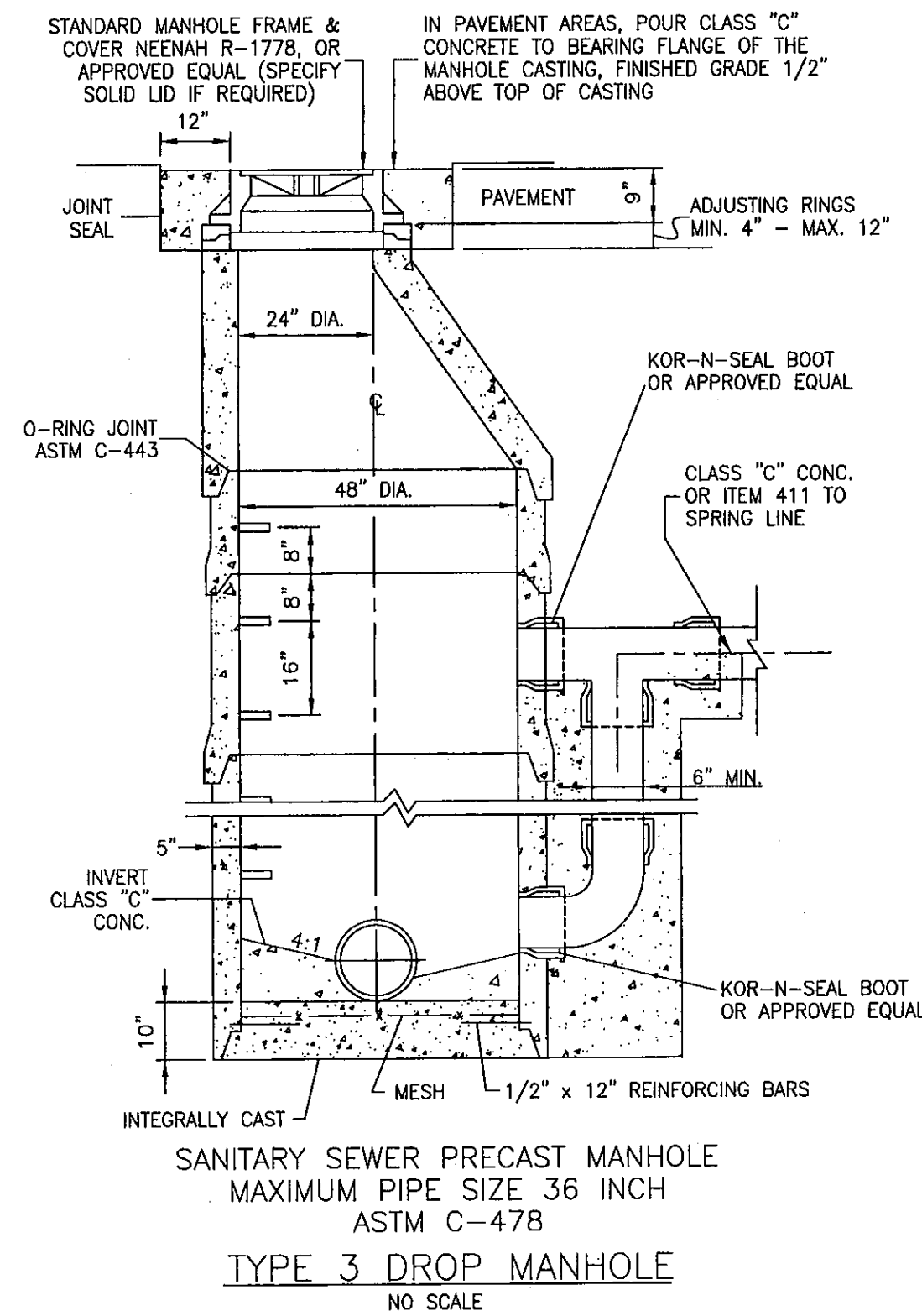
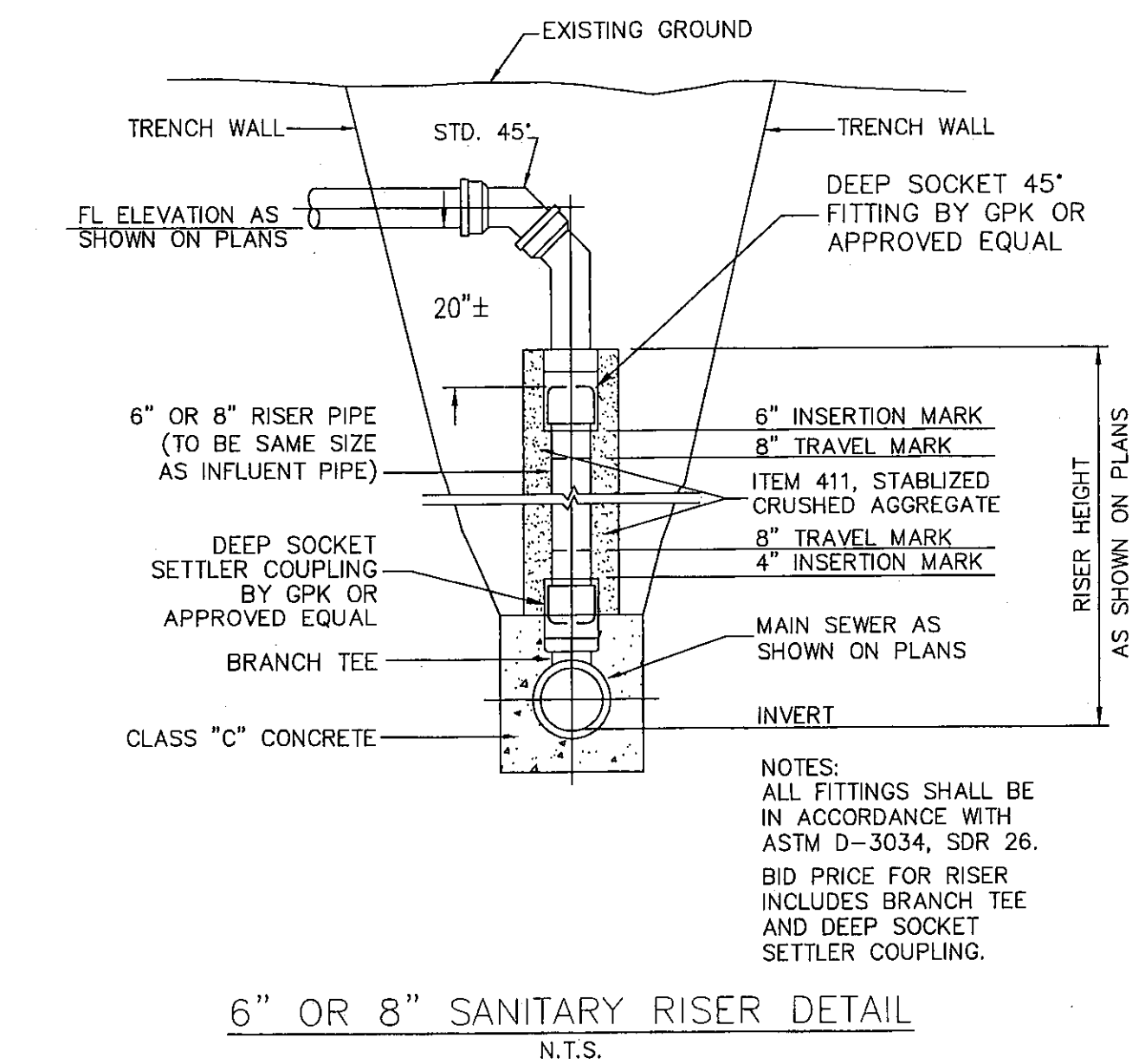
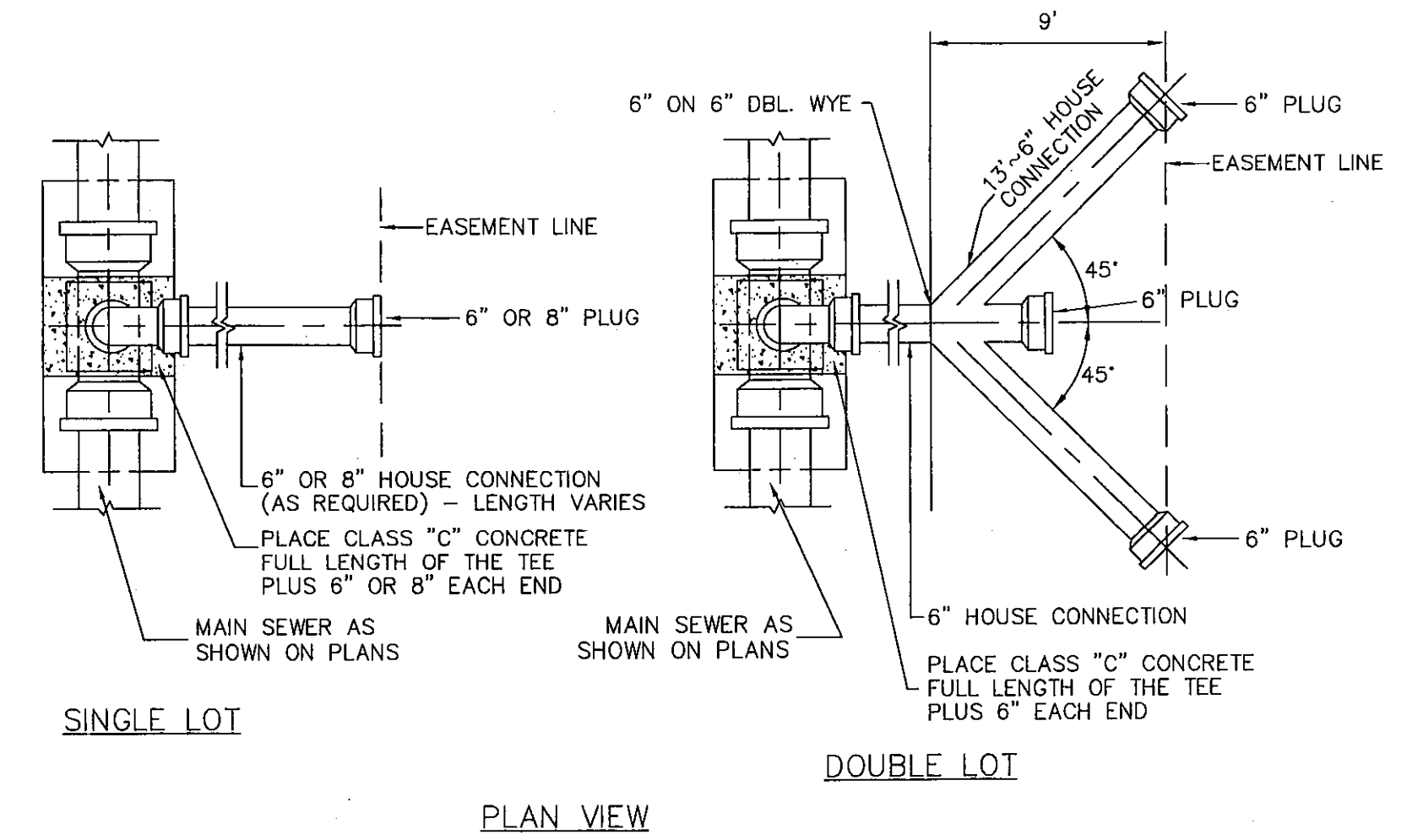
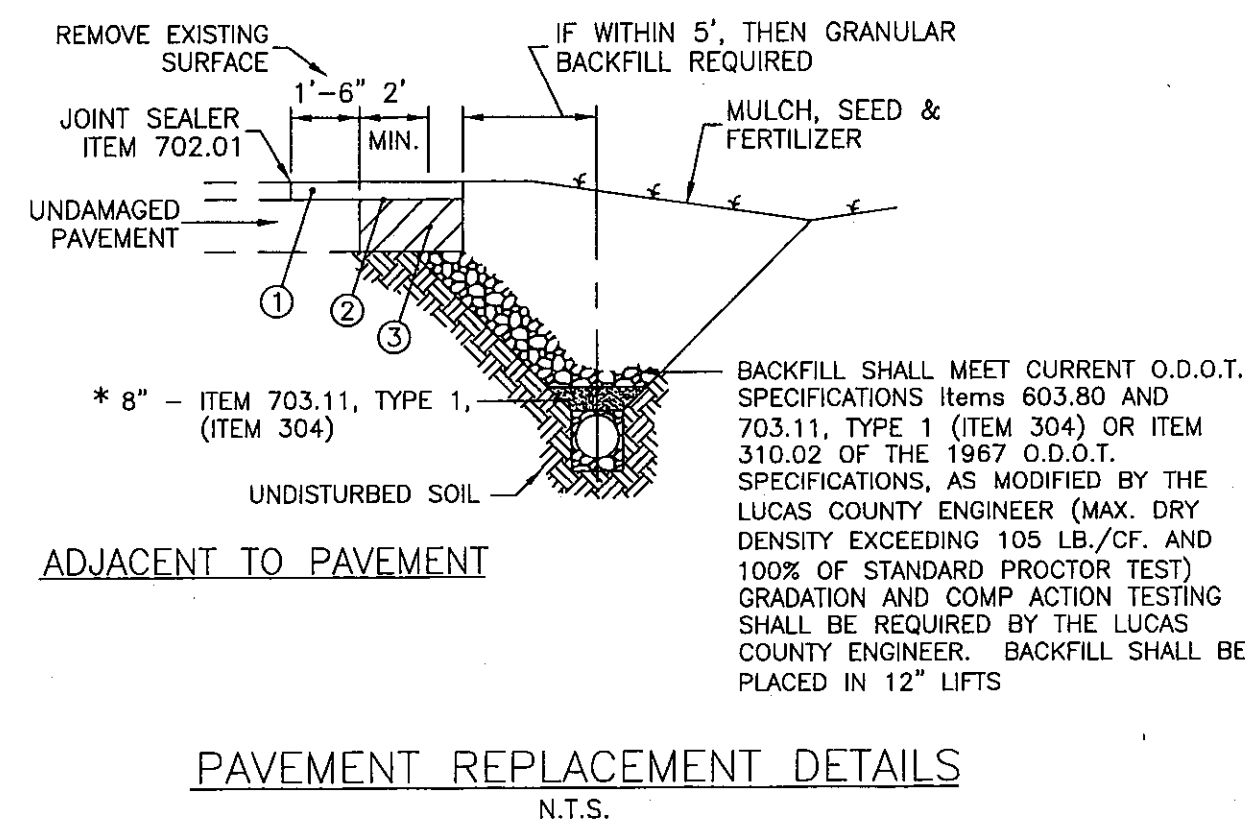
LUC. C.R. NO. 73
McCORD ROAD

- CONSTRUCTION METHODS, EQUIPMENT AND MATERIALS PROPOSED FOR PAVEMENT RESTORATION SHALL BE APPROVED BY THE LUCAS COUNTY ENGINEER PRIOR TO BEGINNING THIS WORK.
 - WHERE EXISTING PAVEMENT SURFACE AND/OR BASE IS DAMAGED OR UNDERMINED AS DETERMINED BY THE ENGINEER, TEMPORARY REPLACEMENT OR RESURFACING AS DETAILED BELOW SHALL BE REQUIRED. THE COST OF TEMPORARY PAVEMENT REPLACEMENT SHALL BE INCLUDED IN THE UNIT PRICE BID FOR PERTINENT CONDUIT ITEMS.

- ① 3" - ITEM 448 ~ ASPHALTIC CONCRETE, SURFACE COARSE, TYPE 1, PG 64-22
- ② - ITEM 408 ~ PRIME COAT @ 0.40 GAL./SY.
- ③ 10" - ITEM 304 ~ AGGREGATE BASE
- ④ 8" - ITEM 304 ~ AGGREGATE BASE



NOTE: ALL BACKFILLING SHALL BE DONE IN ACCORDANCE WITH THE SPECIFICATION FOR BACKFILLING WITHIN 5 FEET OF PAVEMENT OR PAVED BERM



DESIGNED BY:
LCSE

DRAWN BY:
LCSE

SANITARY SEWER
DETAILS

LUC. C.R. NO. 73
McCORD ROAD

6D
107

MAINTENANCE OF TRAFFIC

MAINTAINING TRAFFIC

METHODS OF MAINTAINING TRAFFIC SHALL BE IN ACCORDANCE WITH ITEM 614, THE "OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES" (THE OHIO MANUAL) AND THE FOLLOWING:

THE CONTRACTOR SHALL BE ALLOWED TO CLOSE MCCORD ROAD TO THROUGH TRAFFIC FOR A 21 CONSECUTIVE DAY PERIOD PER THE DETAILS ON SHEETS 8 & 9 (SEE STAGING DETAILS SHEETS 8 THRU 11). THE 21 DAY PERIOD SHALL BE CONSIDERED AN INTERIM COMPLETION DATE (SECTION 108). FOR EACH CALENDAR DAY BEYOND THE 21 DAYS THAT THE ROADWAY REMAINS CLOSED TO TRAFFIC, THE CONTRACTOR WILL BE ASSESSED LIQUIDATED DAMAGES IN THE AMOUNT NOTED IN SECTION 108.07 OF THE CONSTRUCTION AND MATERIAL SPECIFICATIONS.

THE DETOUR ROUTE SHALL UTILIZE CENTRAL AVENUE, KING ROAD, AND SYLVANIA AVENUE AND WILL BE SIGNED AND MAINTAINED BY THE LUCAS COUNTY ENGINEER. THE CONTRACTOR SHALL PROVIDE THE LUCAS COUNTY ENGINEER AT LEAST A 14 CALENDAR DAY NOTICE PRIOR TO CLOSING THE ROAD TO THROUGH TRAFFIC. UNTIL THE DETOUR IS IN EFFECT, TWO WAY THROUGH TRAFFIC SHALL BE MAINTAINED ON THE EXISTING ASPHALT PAVEMENT.

THE CONTRACTOR SHALL MAINTAIN TWO WAY THROUGH TRAFFIC AT ALL OTHER TIMES OF ROAD CONSTRUCTION NOT PREVIOUSLY MENTIONED. DURING PERIODS WHERE TWO WAY TRAFFIC IS MAINTAINED, THE CONTRACTOR SHALL PROVIDE, ERECT AND MAINTAIN THE FOLLOWING SIGNS AS PER OHIO MANUAL:

- A) "ROAD WORK AHEAD" (48" X 48", W20-1)
- B) "END ROAD WORK" (36" X 18", G20-2A)

WHEN NECESSITATED BY CONSTRUCTION, ONE WAY TRAFFIC FLOW MAY BE ESTABLISHED. A TRAFFIC LANE AT LEAST TEN (10) FEET WIDE SHALL BE PROVIDED WITH TRAFFIC FLOW CONTROLLED BY AT LEAST TWO FLAGGERS. TRAFFIC CONTROL DEVICES SHALL BE PLACED TO LIMIT TRAFFIC TO ONE LANE IN ACCORDANCE WITH THE OHIO MANUAL AND O.D.O.T. STANDARD DRAWING MT-97.10 AND MT-97.12. IN NO CASE WILL ONE WAY FLOW BE PERMITTED UNTIL ADEQUATE TRAFFIC CONTROL DEVICES AND FLAGGERS ARE IN PLACE AND APPROVED BY THE ENGINEER. THE ONE WAY TRAFFIC OPERATION SHALL BE LIMITED TO DAY LIGHT HOURS ONLY. THE ROAD SHALL BE REOPENED TO TWO WAY TRAFFIC FLOW AT NIGHT AND AT ALL TIMES WHEN THE CONTRACTOR IS NOT WORKING SUCH AS WEEKENDS, HOLIDAYS, OR WHEN WORK IS SUSPENDED DUE TO WEATHER CONDITIONS.

THE INTERMEDIATE COURSE(S) SHALL NOT BE ALLOWED TO LAY EXPOSED TO TRAFFIC OVER THE WINTER. ALL ASPHALT PAVING WORK SHALL BE SCHEDULED FOR COMPLETION BY OCTOBER 31. AFTER OCTOBER 31, IF WEATHER PERMITS AS PER 401.06, A PERMISSIVE CHANGE ORDER MAY BE WRITTEN BY THE ENGINEER.

ALSO, ALL FINAL PAVEMENT MARKINGS SHALL NOT BE APPLIED TO THE NEW SURFACE COURSE BETWEEN THE PERIOD OF NOVEMBER 15 AND MARCH 15. IF THIS CANNOT BE ACCOMPLISHED UNDER SPECIFICATION CONDITIONS, THE CONTRACTOR SHALL APPLY TEMPORARY PAVEMENT MARKINGS. THE PERMANENT MARKINGS SHALL THEN BE APPLIED WHEN SPECIFICATION CONDITIONS CAN BE MET.

TRAFFIC CONTROL DEVICES SHALL BE SET UP PRIOR TO THE START OF CONSTRUCTION AND SHALL BE PROPERLY MAINTAINED DURING THE TIME SUCH SPECIAL CONDITIONS EXIST. THEY SHALL REMAIN IN PLACE ONLY AS LONG AS THEY ARE NEEDED AND SHALL BE IMMEDIATELY REMOVED THEREAFTER. ALL SIGNS WITH MESSAGES WHICH DO NOT APPLY DURING A CERTAIN PERIOD SHALL BE COVERED OR SET ASIDE OUT OF VIEW OF TRAFFIC. ALL TRAFFIC CONTROL DEVICES SHALL BE KEPT IN PROPER POSITION, CLEAN, LEGIBLE AND IN GOOD WORKING CONDITION AT ALL TIMES.

DRIVEWAYS ACCESS SHALL BE MAINTAINED AT ALL PERIODS OF CONSTRUCTION BY USE OF EXISTING AND PROPOSED PAVEMENT, BERMS, OR SHOULDERS TO THE SATISFACTION OF THE ENGINEER. THE CONTRACTOR SHALL PROVIDE RESIDENTS AND/OR BUSINESSES WITH A MINIMUM TWENTY-FOUR (24) HOUR NOTICE WHEN ACCESS TO THEIR DRIVEWAYS WILL BE RESTRICTED DUE TO CONSTRUCTION.

THE FOLLOWING QUANTITIES HAVE BEEN CARRIED TO THE GENERAL SUMMARY FOR USE IN MAINTAINING TRAFFIC:

ITEM 410 600 CU. YD. TRAFFIC COMPACTED SURFACE, TYPE A OR B
 ITEM 614 120 CU. YD. ASPHALT CONCRETE FOR MAINTAINING TRAFFIC
 ITEM 615 1553 SQ. YD. PAVEMENT FOR MAINTAINING TRAFFIC, AS PER PLAN
 ITEM 616 5 MGAL. WATER

IF THE CONTRACTOR SO ELECTS, HE MAY SUBMIT ALTERNATE METHODS FOR MAINTENANCE OF TRAFFIC PROVIDED THE INTENT OF THE PREVIOUS PROVISIONS IS FOLLOWED AND NO ADDITIONAL INCONVENIENCE TO THE TRAVELING PUBLIC RESULTS THEREFROM. NO ALTERNATE PLAN SHALL BE PLACED INTO EFFECT UNTIL APPROVAL HAS BEEN GRANTED IN WRITING BY THE COUNTY.

PAYMENT FOR MAINTAINING TRAFFIC WILL BE MADE IN ACCORDANCE WITH ITEM 614, AND WILL INCLUDE FULL COMPENSATION FOR PROVIDING, ERECTING, MAINTAINING, AND REMOVING ADEQUATE TRAFFIC CONTROL SIGNS, BARRICADES, FLAGGERS, DRUMS AND LIGHTS AS SPECIFIED HEREIN AND AS DIRECTED BY THE ENGINEER.

PLACEMENT OF ASPHALT CONCRETE

TWO WAY TRAFFIC SHALL BE MAINTAINED AT ALL TIMES EXCEPT THAT ONE WAY TRAFFIC WILL BE PERMITTED FOR MINIMUM PERIODS OF TIME CONSISTENT WITH THE REQUIREMENTS OF THE SPECIFICATIONS FOR PROTECTION OF COMPLETED ASPHALT CONCRETE COURSES.

TRENCH FOR WIDENING / TEMPORARY PAVEMENT

TRENCH EXCAVATION FOR BASE WIDENING SHALL BE ONLY ON ONE SIDE OF THE PAVEMENT AT A TIME. THE OPEN TRENCH SHALL BE ADEQUATELY MAINTAINED AND PROTECTED WITH DRUMS OR BARRICADES AT ALL TIMES. PLACEMENT OF THE PROPOSED SUBBASE AND BASE MATERIAL SHALL FOLLOW AS CLOSELY AS POSSIBLE BEHIND EXCAVATION OPERATIONS. THE LENGTH OF WIDENING TRENCH WHICH IS OPEN AT ANY ONE TIME SHALL BE HELD TO A MINIMUM AND SHALL AT ALL TIMES BE SUBJECT TO APPROVAL OF THE ENGINEER.

OVERNIGHT TRENCH CLOSING

THE BASE WIDENING SHALL BE COMPLETED TO DEPTH OF NO MORE THAN FIVE (5) INCHES BELOW THE EXISTING PAVEMENT BY THE END OF EACH WORK DAY. NO TRENCH SHALL BE LEFT OPEN OVERNIGHT EXCEPT FOR A SHORT LENGTH (25 FEET OR LESS) OF A WORK SECTION AT THE END OF THE TRENCH. IN CASE WORK MUST BE SUSPENDED BECAUSE OF INCLEMENT WEATHER OR OTHER REASONS, THE TRENCH FOR THE UNCOMPLETED BASE WIDENING SHALL BE BACKFILLED AT THE DIRECTED OF THE ENGINEER.

DUST CONTROL

THE CONTRACTOR SHALL FURNISH AND APPLY WATER FOR DUST CONTROL AS DIRECTED BY THE ENGINEER. THE FOLLOWING CONTINGENCY QUANTITY HAS BEEN INCLUDED FOR DUST CONTROL PURPOSES.

ITEM 616-WATER 54 M.GAL.

ITEM 614. WORK ZONE PAVEMENT MARKINGS, CLASS I, 642 PAINT

QUANTITIES OF WORK ZONE PAVEMENT MARKINGS HAVE BEEN CARRIED TO THE GENERAL SUMMARY. THE QUANTITY IS BASED ON THREE (3) APPLICATIONS OF MARKINGS.

POWER BROOM

THE CONTRACTOR SHALL POWER BROOM SWEEP THE ROADWAY AT THE END OF EACH DAY IF DEEMED NECESSARY BY THE ENGINEER. COSTS ARE INCLUDED IN MAINTAINING TRAFFIC, ITEM 614.

IF THE CONTRACTOR FAILS TO DO ANY OF THE WORK AS PER GENERAL NOTES AND STANDARD SPECIFICATIONS, THE WORK WILL BE DONE BY LUCAS COUNTY FORCES AND ALL COSTS WILL BE DEDUCTED FROM PAYMENTS TO THE CONTRACTOR. A MINIMUM OF \$500 WILL BE DEDUCTED FOR EACH EVENT.

CONSTRUCTION NOISE

ALL LAND USES AND ACTIVITIES ADJACENT TO THIS PROJECT MAY BE AFFECTED BY NOISE DURING CONSTRUCTION OF THIS PROJECT. IN ORDER TO MINIMIZE ANY ADVERSE CONSTRUCTION NOISE IMPACTS, ANY POWER OPERATED CONSTRUCTION TYPE DEVICE SHALL NOT BE OPERATED BETWEEN 9:00 P.M. AND 7:00 A.M. IN ADDITION, ANY POWER OPERATED CONSTRUCTION TYPE DEVICE SHALL NOT BE OPERATED IN SUCH A MANNER THAT THE NOISE CREATED SUBSTANTIALLY EXCEEDS THE NOISE CUSTOMARILY AND NECESSARILY ATTENDANT TO THE REASONABLE AND EFFICIENT PERFORMANCE OF SUCH EQUIPMENT.

PAVEMENT FOR MAINTAINING TRAFFIC, AS PER PLAN

THIS ITEM SHALL BE AS PER ODOT ITEM 615 EXCEPT, THE MINIMUM COURSE THICKNESS SHALL BE 1-1/2" 448 TYPE 1 ON 6" 302.

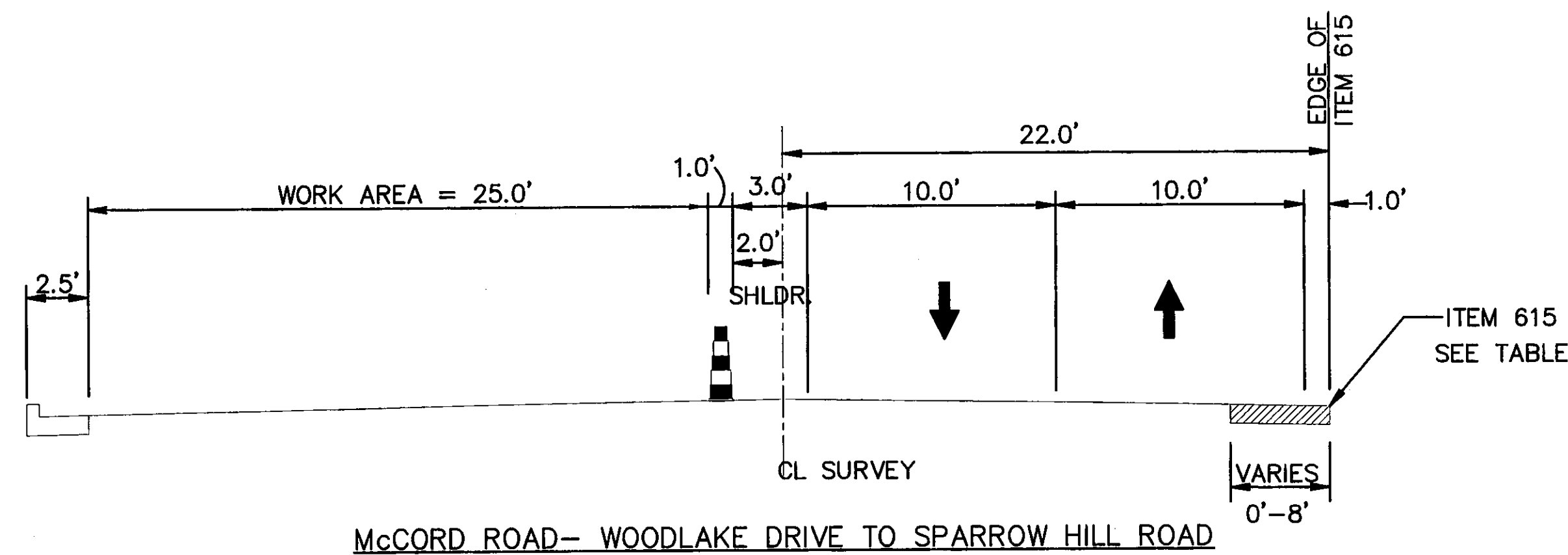
MANHOLES AND CATCH BASINS IN NEED OF ADJUSTMENT, RECONSTRUCTION, PLATING, ETC. AS APPROVED BY THE ENGINEER FOR TEMPORARY PAVEMENT PLACEMENT SHALL BE INCLUDED FOR PAYMENT WITH ITEM 615~ TEMPORARY PAVEMENT FOR MAINTAINING TRAFFIC, AS PER PLAN.

DESIGNED BY: P.W.H.
 REVISION BY: J.M.L.
 DRAWN BY: J.M.L.
 L.M.M.

MAINTENANCE OF TRAFFIC NOTES

LUC. C.R. NO. 73
 MCCORD ROAD

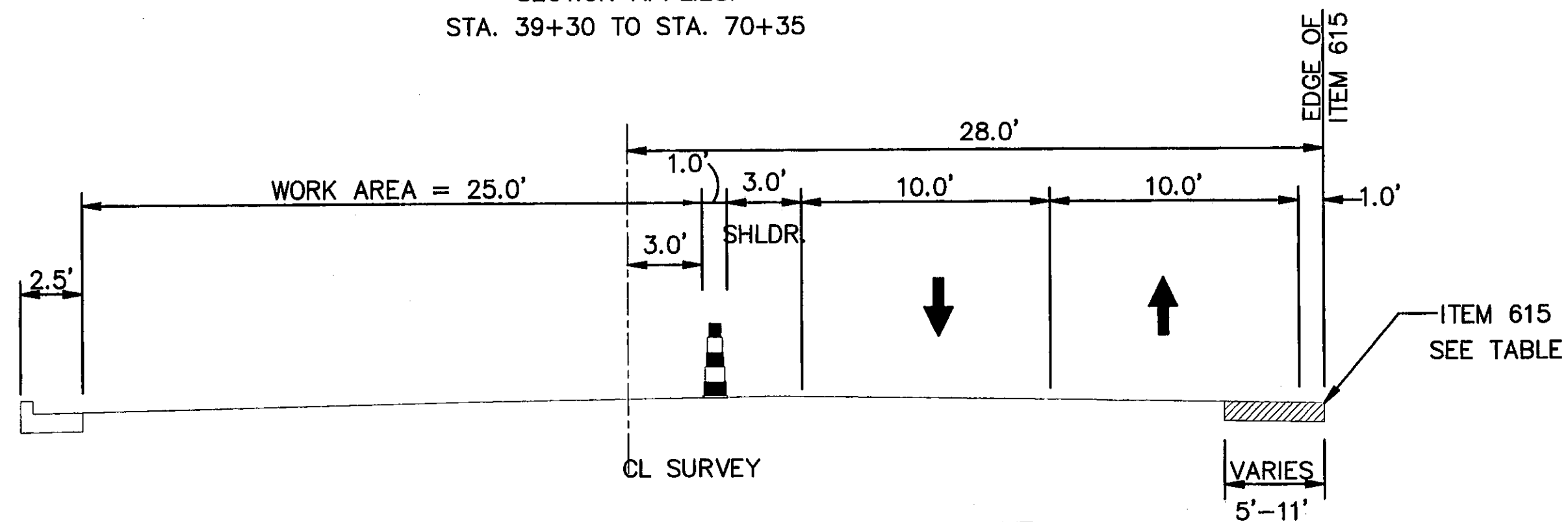
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McCord Road— Woodlake Drive to Sparrow Hill Road

STAGE 1, SECTION A

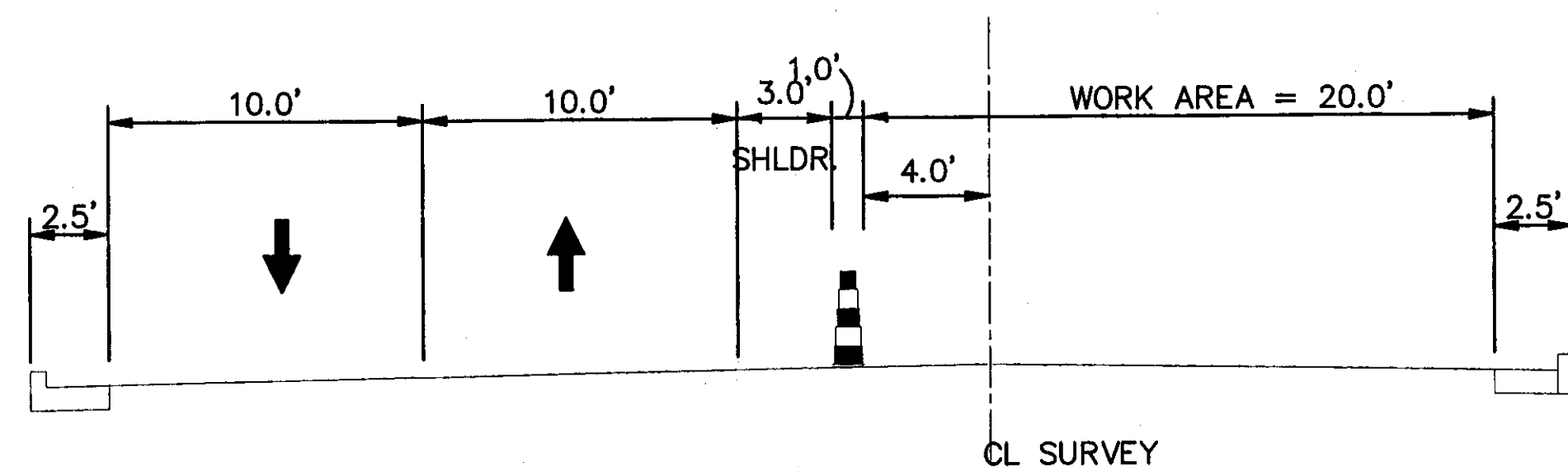
SECTION APPLIES:
STA. 39+30 TO STA. 70+35



McCord Road— Sparrow Hill Road to Sylvania Ave.

STAGE 1, SECTION B

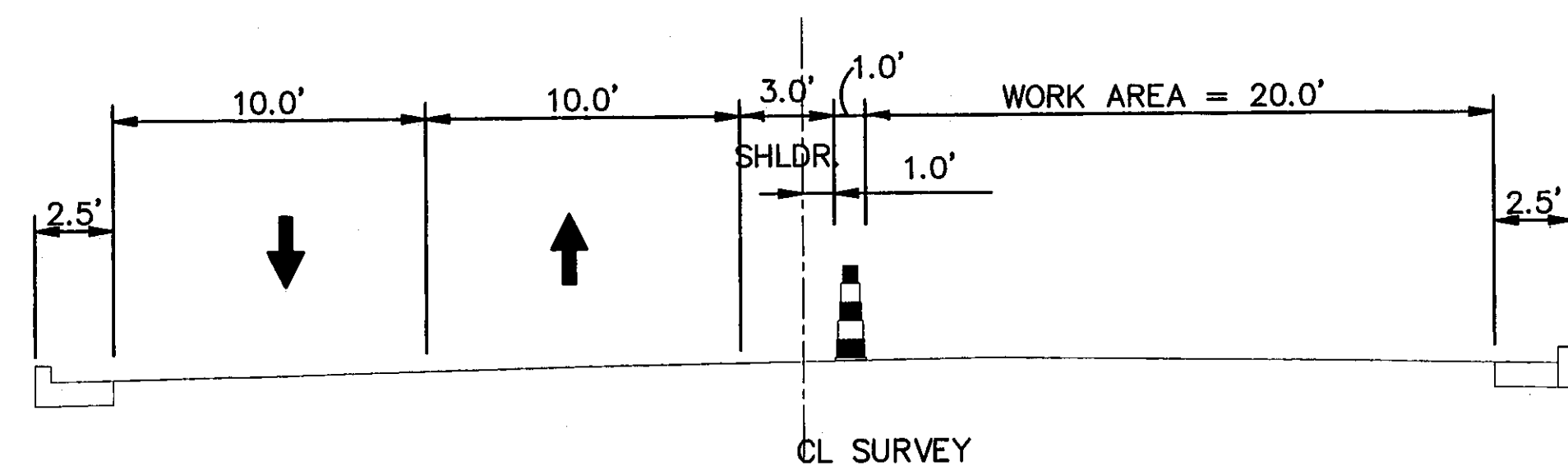
SECTION APPLIES:
STA. 73+05 TO STA. 82+20
FOR STA. 70+35 TO STA. 73+05, TRANSITION FROM SECTION A TO SECTION B



McCord Road— Woodlake Drive to Sparrow Hill Road

STAGE 2, SECTION C

SECTION APPLIES:
STA. 39+30 TO STA. 70+35



McCord Road— Sparrow Hill Road to Sylvania Ave.

STAGE 2, SECTION D

SECTION APPLIES:
STA. 73+05 TO STA. 82+20
FOR STA. 70+35 TO STA. 73+05, TRANSITION FROM SECTION C TO SECTION D

* THE CONTRACTOR SHALL COMPLETE THESE TWO STEPS IN A COMBINED TOTAL OF 75 CALENDAR DAYS.

SEQUENCE OF CONSTRUCTION

PREPARATION FOR STAGE 1

1. CONSTRUCT SANITARY SEWER MAIN STA 47+73± TO STA 52+98± WHILE MAINTAINING McCORD ROAD TRAFFIC.
2. REVISE / ADJUST SIGNAL HEADS OVER TRAFFIC LANES UNIVERSITY PARK (U.P.) TRAIL AS NEEDED (SEE SHEET #73).

STAGE 1

3. CLOSE McCORD ROAD TO THRU TRAFFIC FROM CENTRAL AVENUE TO SYLVANIA AVENUE FOR A 21 CONSECUTIVE DAY PERIOD AND CONSTRUCT THE FOLLOWING:
 - A) REPLACE CULVERT AT SCHLICKE DITCH STA 56+89±. RESTORE PAVEMENT PER GENERAL NOTE SHEET NO. 6.
 - B) INSTALL THE NINE SANITARY SEWER SERVICE CONNECTIONS (STA 42+55± TO STA 52+78±), ONE AT A TIME, RESTORE PAVEMENT PER DETAIL SHEET 6D.
 - C) CONSTRUCT PROPOSED DRAINAGE CROSSEOVERS AND RESTORE PAVEMENT PER GENERAL NOTE DETAIL SHEET 6 AT THE FOLLOWING LOCATIONS:
 - STA 43+00 TO EXIST. CB SOUTHSIDE KELKER RD 86.2' RT OF McCORD ROAD CENTERLINE, TEMPORARY CONNECT TO EXISTING 18" CONDUIT @ 26FT LT±.
 - STA 46+22± TO MANHOLE 25.4' RT, TEMPORARY CONNECT TO EXISTING 15" CONDUIT @ 25.5 FT LT. ±.
 - STA 51+58± TO PROP CB STA 52+01, 26' RT., TEMPORARY CONNECT TO EXISTING 15" CONDUIT @ 25 FT LT ±.
 - D) CONSTRUCT TEMPORARY PAVEMENT ALONG EAST SIDE OF McCORD ROAD. OPEN McCORD TO TWO WAY TRAFFIC ON EXISTING LANES.

COMPLETE THE PREVIOUS BY NOVEMBER 21, 2009, UNLESS OTHERWISE APPROVED BY THE ENGINEER. PREPARE WORK ZONE FOR WINTER.

WINTER / SPRING

4. CONSTRUCT STORM SEWER MAIN STA 36+17± TO STA 56+00± WHILE MAINTAINING TWO WAY TRAFFIC ON McCORD ROAD. RESTORE PAVEMENT PER GENERAL NOTE ON SHEET #6.
5. CONSTRUCT TEMPORARY PAVEMENT MARKING, SIGNING, AND DRUMS FOR EAST SIDE, TWO WAY TRAFFIC. ADJUST TRAFFIC SIGNAL AT UNIVERSITY PARKS TRAIL AS NEEDED (SEE NOTE SHEET #73). SHIFT TRAFFIC TO EAST SIDE AND CONSTRUCT WEST SIDE McCORD ROAD INCLUDING REMAINING DRAINAGE THROUGH INTERMEDIATE ASPHALT COURSE PLACEMENT. ALSO CONSTRUCT DRIVE APPROACHES, SIDEWALK, TOPSOIL, SEEDING AND MULCHING ON WEST SIDE PRIOR TO STAGE 2.

STAGE 2

6. CONSTRUCT TEMPORARY PAVEMENT MARKING, SIGNING, AND DRUMS FOR WEST SIDE TWO-WAY TRAFFIC, AND ADJUST TRAFFIC SIGNAL AT UNIVERSITY PARKS TRAIL AS NEEDED.
7. SHIFT TRAFFIC TO WEST SIDE OF McCORD ROAD AND CONSTRUCT EAST SIDE OF McCORD ROAD INCLUDING DRAINAGE UP TO INTERMEDIATE COURSE. ALSO CONSTRUCT DRIVE APPROACHES, TOPSOIL, SEEDING AND MULCHING ON EAST SIDE.

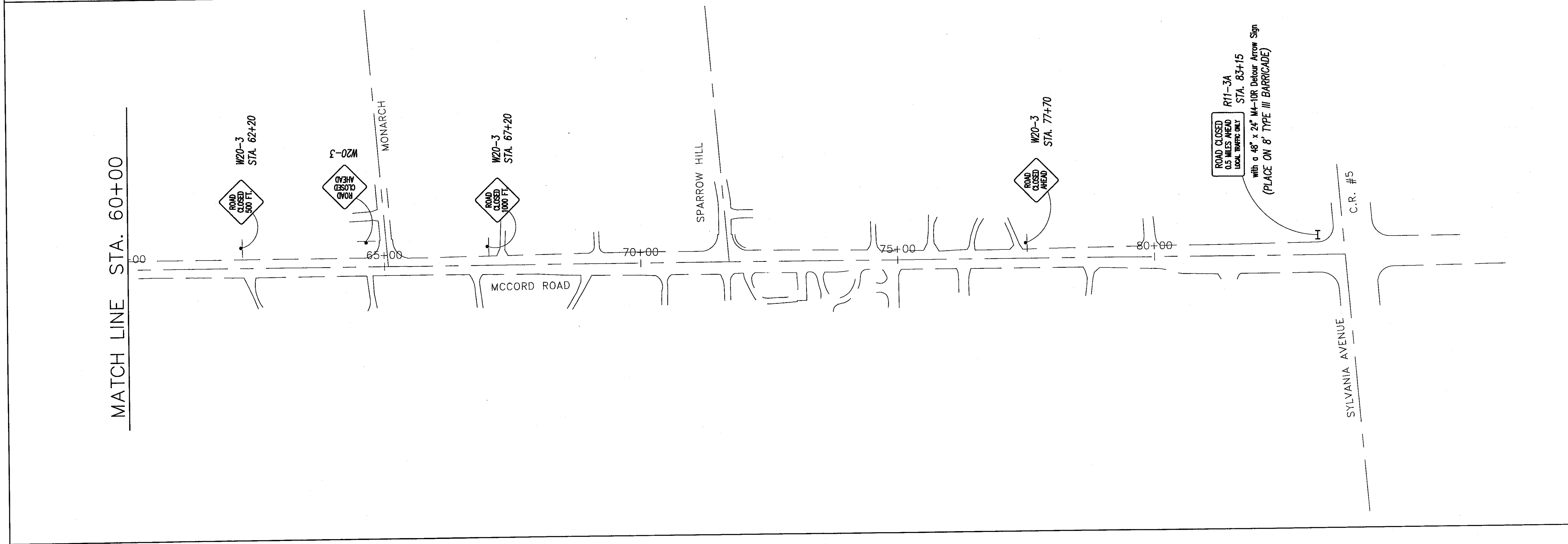
STAGE 3

8. CONSTRUCT EAST SIDE SURFACE COURSE PAVEMENT CLEAR OF TRAFFIC.
9. SHIFT TRAFFIC TO EAST SIDE AND CONSTRUCT WEST SIDE SURFACE COURSE CLEAR OF TRAFFIC.
10. INSTALL PERMANENT PAVEMENT MARKING AND SIGNS.
11. REMOVE MAINTENANCE OF TRAFFIC PROVISION AND OPEN ALL LANES OF McCORD ROAD.

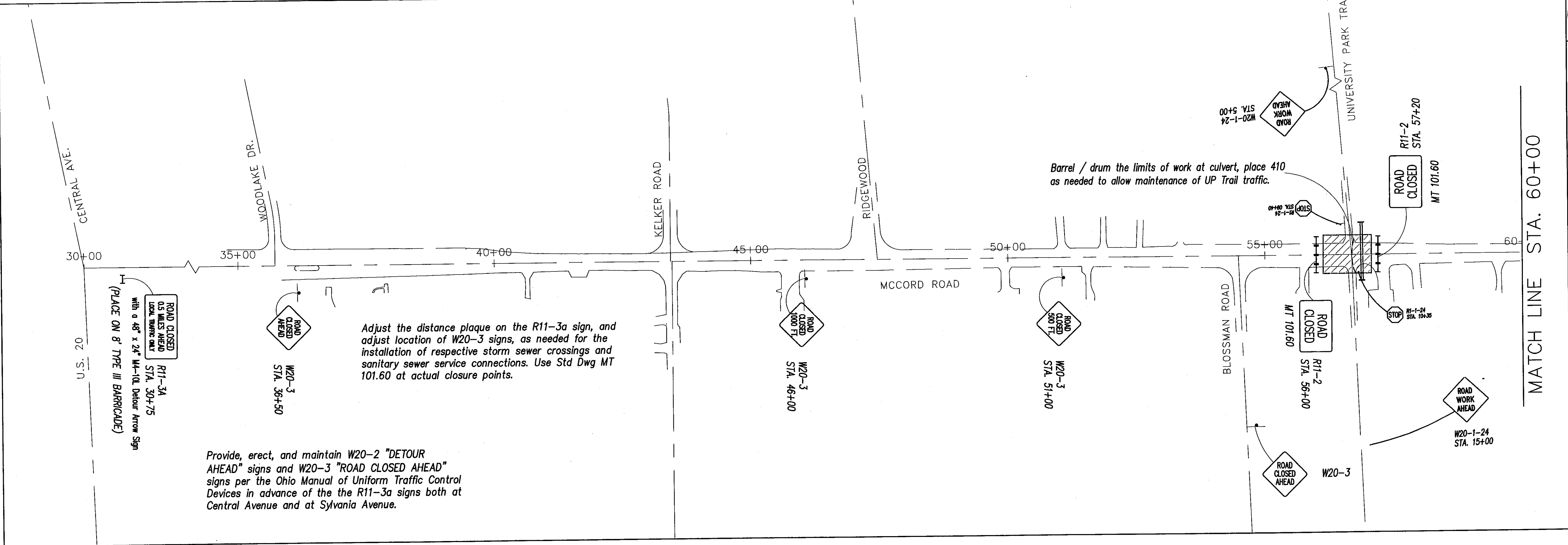
STA.	Station	Widths	Station	Widths	Station	Widths	Station	Widths	DTH
	39+00	3.0	53+10	2.4	68+64	2.0	76+44	7.5	
	40+00	4.5	53+10	4.8			76+44	10.0	7.5
	41+00	5.5	54+14	3.6	64+99	3.0	76+76	10.0	1.8
	42+00	7.5	54+14	3.5	70+17	3.0	76+76	12.0	1.8
	43+00	5.0	54+31	5.5	70+17	2.0	77+76	11.0	2.0
	44+00	5.0			70+53	2.0	78+14	10.0	2.0
	45+00		57+49	3.4	70+53	2.2	78+14	10.5	
	46+00	2.0	57+74	3.4	70+78	2.2	78+00	8.4	
	47+00				70+78	2.2	80+09	5.6	
	48+00		58+08	2.4	70+93	3.2	80+30	4.0	
	49+00	2.3	58+62	4.6	70+93	5.5			
	50+00	1.3	59+00	5.6	71+27	5.5			
	51+00		61+23	5.6	71+27	5.0			
	52+00		61+45	4.6	71+35	5.0			
	53+00	2.0	61+45	4.5	71+35	6.0			
	54+00	3.8	62+00	3.5	71+60	5.6			
	55+00	2.2	62+00	3.4	71+60	5.0			
	56+00	3.0	62+00	3.4	71+60	5.0			
	57+00	3.4	62+51	5.0	73+25	6.0			
	58+00	5.0	62+51	5.0	73+25	5.5			
		3.5	62+51	4.5	73+61	5.5			
		4.5	63+75	4.5	73+61	10.0			
		5.0	63+75	5.0	75+00	10.8			
		5.0	64+87	5.0	75+00	9.9			
		4.5	64+87	4.5	75+61	11.0			
		4.5	65+27	4.5	75+61	11.5			
		4.0	65+27	5.0	76+20	11.5			
		4.0	67+54	5.0	76+20	7.5			

GENERAL NOTES—MAINTENANCE OF TRAFFIC

LUC. C.R. NO. 73
McCord Road



MATCH LINE STA. 60+00

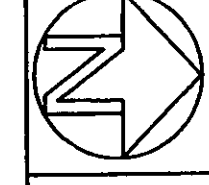


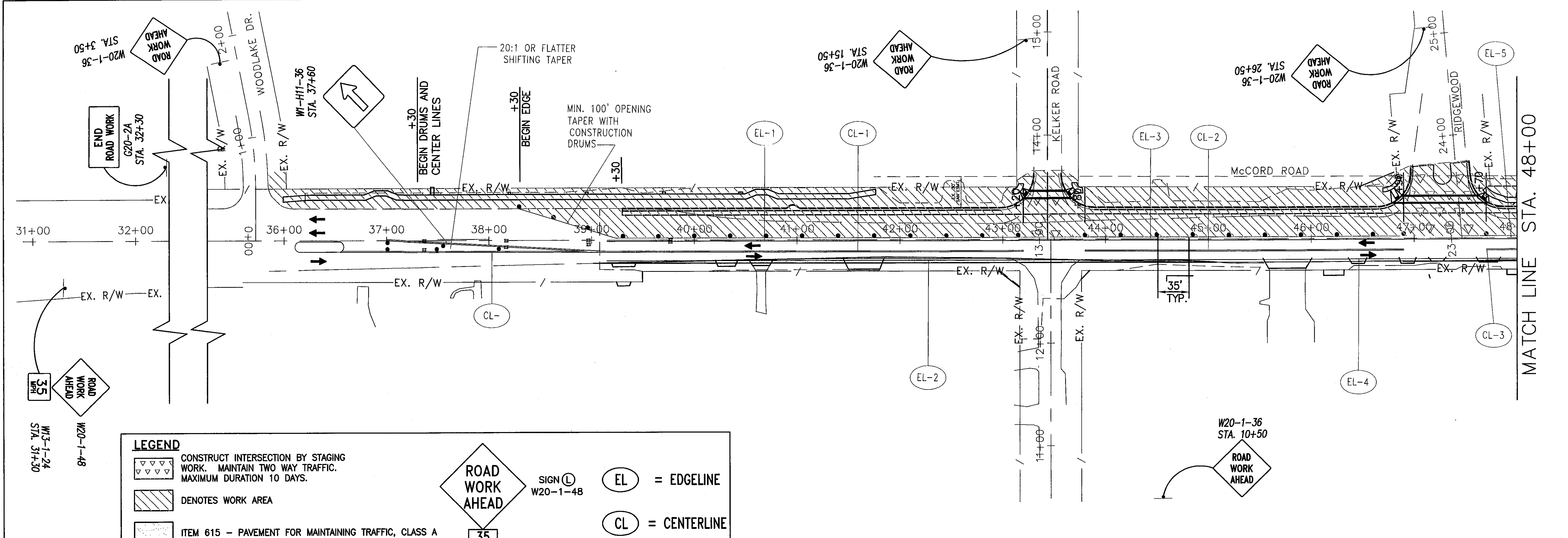
MATCH LINE STA. 60+00

Provide, erect, and maintain W20-2 "DETOUR AHEAD" signs and W20-3 "ROAD CLOSED AHEAD" signs per the Ohio Manual of Uniform Traffic Control Devices in advance of the the R11-3a signs both at Central Avenue and at Sylvania Avenue.

Adjust the distance plaque on the R11-3a sign, and adjust location of W20-3 signs, as needed for the installation of respective storm sewer crossings and sanitary sewer service connections. Use Std Dwg MT 101.60 at actual closure points.

Barrel / drum the limits of work at culvert, place 410 as needed to allow maintenance of UP Trail traffic.





LEGEND

- CONSTRUCT INTERSECTION BY STAGING WORK. MAINTAIN TWO WAY TRAFFIC. MAXIMUM DURATION 10 DAYS.
- DENOTES WORK AREA
- ITEM 615 - PAVEMENT FOR MAINTAINING TRAFFIC, CLASS A
- DENOTES TYPE III BARRICADE WITH FLASHING YELLOW TYPE B BARRICADE WARNING LIGHTS WITH ROAD CLOSED SIGN.
- DENOTES TRAFFIC FLOW
- PEDESTRIAN W/ BICYCLE, ETC. ROUTE
- RAISED PAVEMENT MARKERS (TO BE REMOVED)

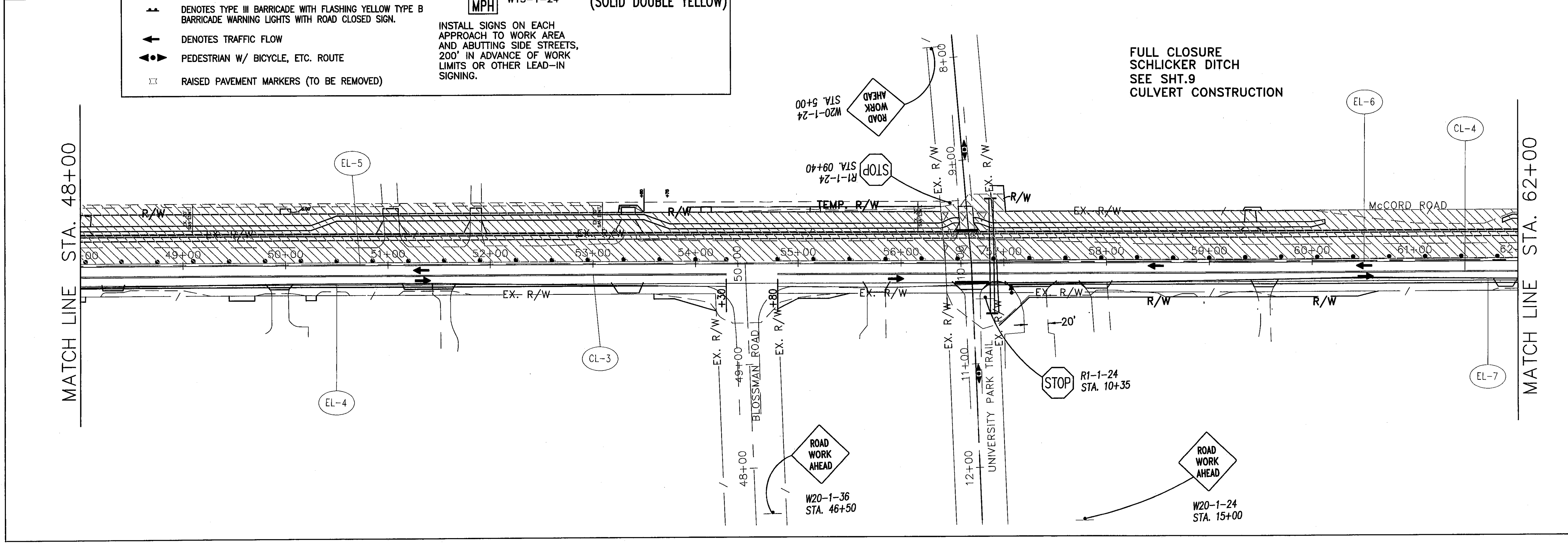
ROAD WORK AHEAD SIGN (L) W20-1-48

35 MPH W13-1-24

EL = EDGELINE

CL = CENTERLINE (SOLID DOUBLE YELLOW)

INSTALL SIGNS ON EACH APPROACH TO WORK AREA AND ABUTTING SIDE STREETS, 200' IN ADVANCE OF WORK LIMITS OR OTHER LEAD-IN SIGNING.



MAINTENANCE OF TRAFFIC-STAGE 1 PLAN
McCord Road

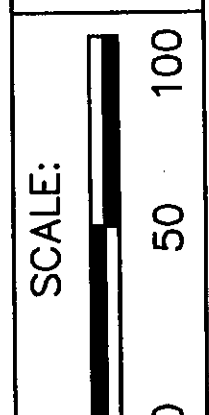
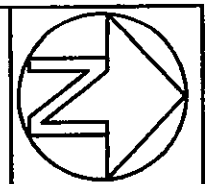
LUC. C. R. NO. CR73

10
107

DESIGNED BY: PWH
DRAWN BY: LMM

REVISIONS BY: JML
DRAWN BY: JML

SCALE: 1" = 50'
0 50 100

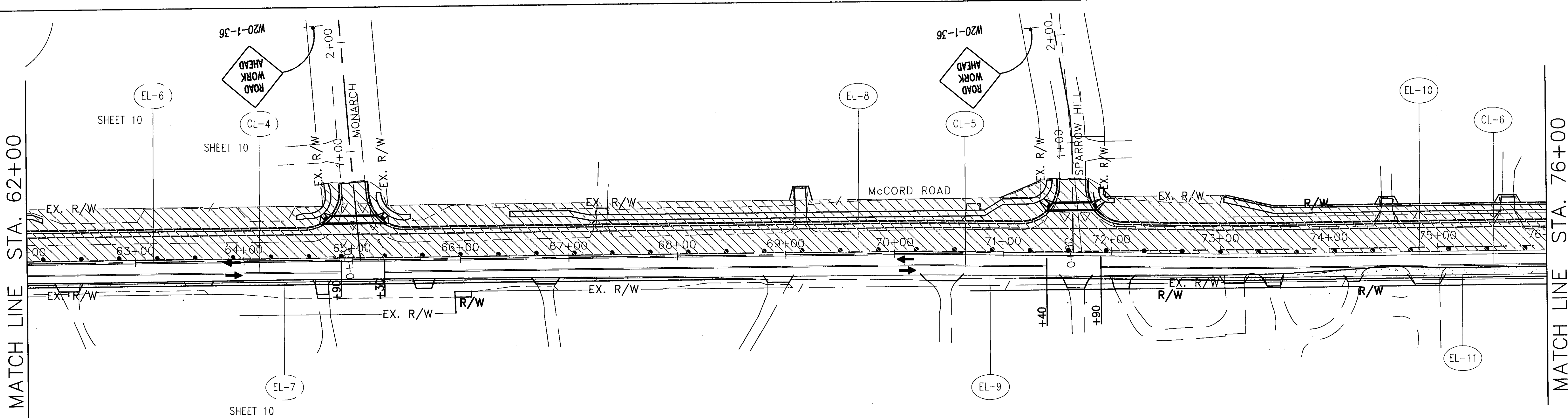


DESIGNED BY: PMH
 DRAWN BY: LMM
 REVISED BY: JML
 JML

MAINTENANCE OF TRAFFIC-STAGE 1 PLAN
 MCCORD ROAD

LUC. C. R. NO. CR73

11
107



LEGEND

- CONSTRUCT INTERSECTION BY STAGING WORK. MAINTAIN TWO WAY TRAFFIC. MAXIMUM DURATION 10 DAYS.
- DENOTES WORK AREA
- ITEM 615 - PAVEMENT FOR MAINTAINING TRAFFIC, CLASS A
- DENOTES TYPE III BARRICADE WITH FLASHING YELLOW TYPE B BARRICADE WARNING LIGHTS WITH ROAD CLOSED SIGN.
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- PEDESTRIAN W/ BICYCLE, ETC. ROUTE
- RAISED PAVEMENT MARKERS (TO BE REMOVED)

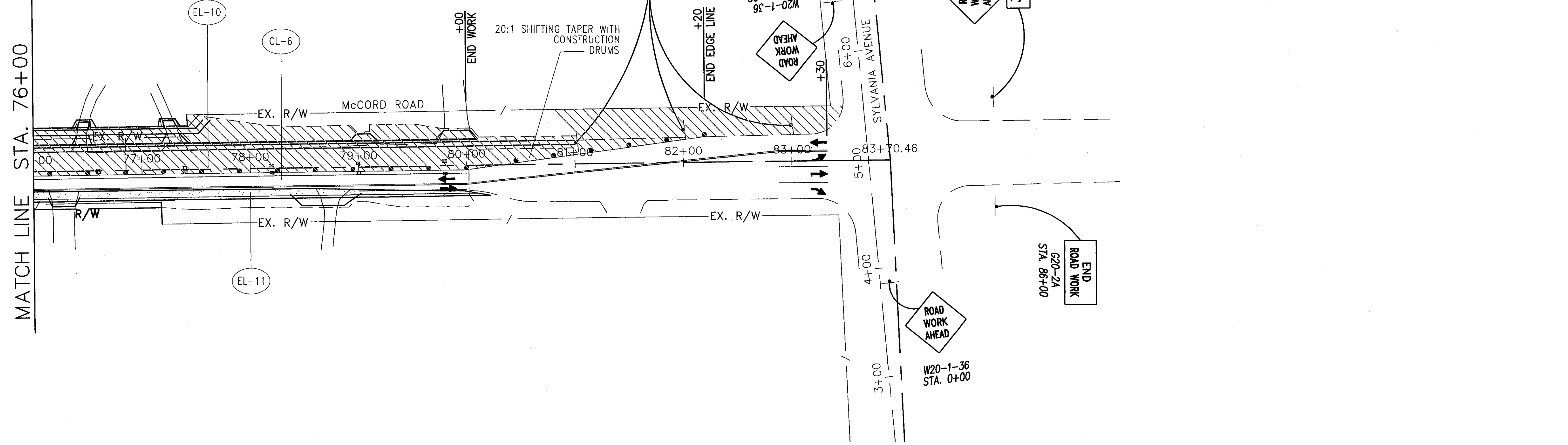
ROAD WORK AHEAD SIGN (L) W20-1-48

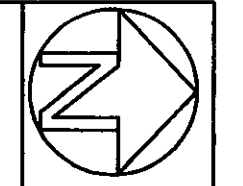
35 MPH W13-1-24

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INSTALL SIGNS ON EACH APPROACH TO WORK AREA AND ABUTTING SIDE STREETS, 200' IN ADVANCE OF WORK LIMITS OR OTHER LEAD-IN SIGNING.





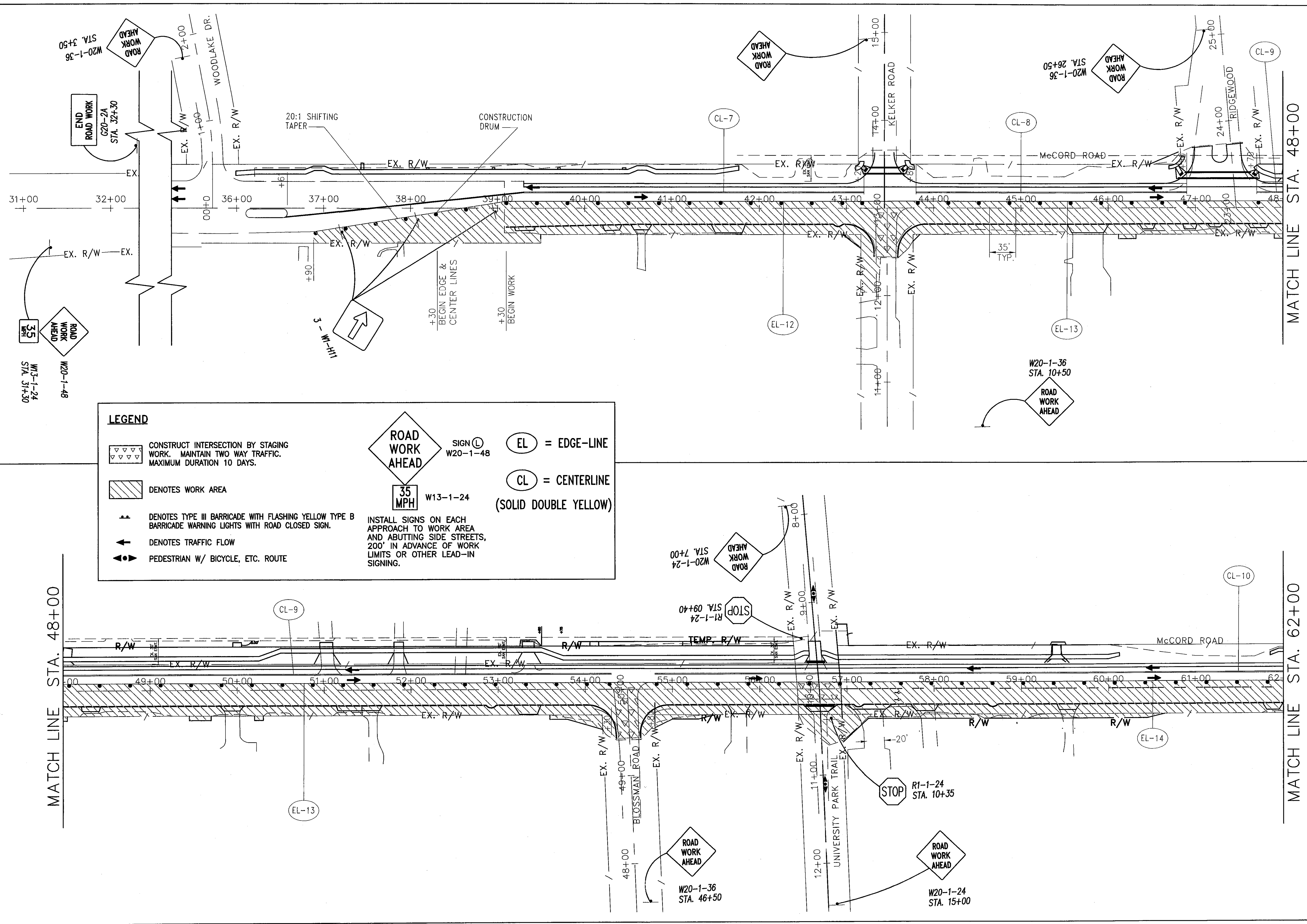
DESIGNED BY: PWH
 DRAWN BY: LMM

SCALE: 1" = 50'
 0 50 100

MAINTENANCE OF TRAFFIC-STAGE 2 PLAN
 McCORD ROAD

LUC. C. R. NO. CR73

12
 107



LEGEND

- CONSTRUCT INTERSECTION BY STAGING WORK. MAINTAIN TWO WAY TRAFFIC. MAXIMUM DURATION 10 DAYS.
- DENOTES WORK AREA
- DENOTES TYPE III BARRICADE WITH FLASHING YELLOW TYPE B BARRICADE WARNING LIGHTS WITH ROAD CLOSED SIGN.
- DENOTES TRAFFIC FLOW
- PEDESTRIAN W/ BICYCLE, ETC. ROUTE

ROAD WORK AHEAD
 SIGN (L) W20-1-48

35 MPH
 W13-1-24

(EL) = EDGE-LINE
 (CL) = CENTERLINE
 (SOLID DOUBLE YELLOW)

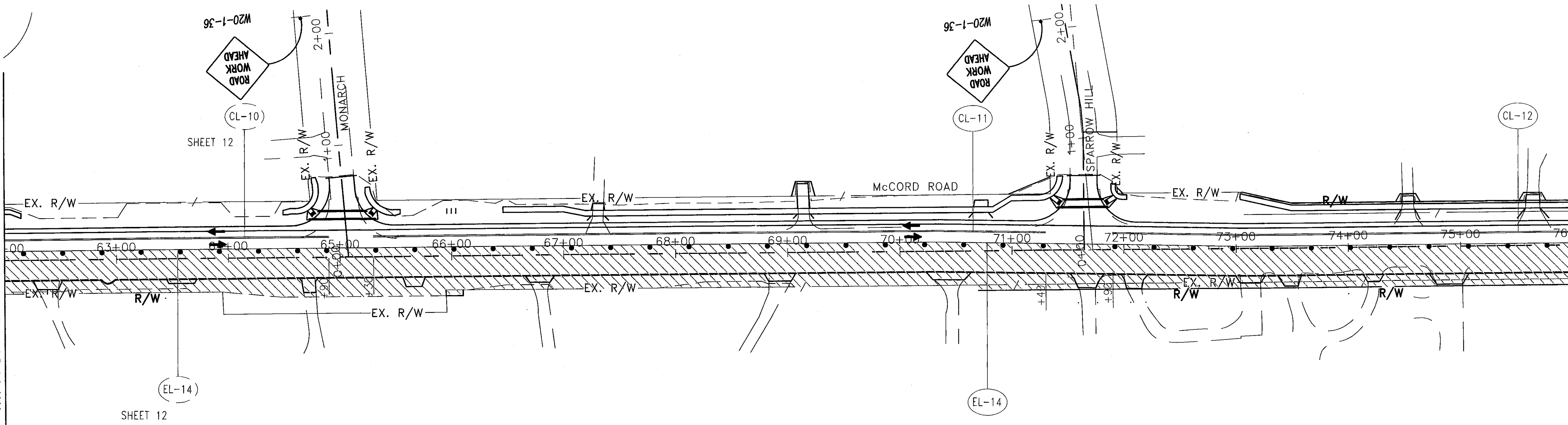
INSTALL SIGNS ON EACH APPROACH TO WORK AREA AND ABUTTING SIDE STREETS, 200' IN ADVANCE OF WORK LIMITS OR OTHER LEAD-IN SIGNING.

MATCH LINE STA. 48+00

MATCH LINE STA. 62+00

MATCH LINE STA. 62+00

MATCH LINE STA. 76+00



LEGEND

- CONSTRUCT INTERSECTION BY STAGING WORK. MAINTAIN TWO WAY TRAFFIC. MAXIMUM DURATION 10 DAYS.
- DENOTES WORK AREA
- DENOTES TYPE III BARRICADE WITH FLASHING YELLOW TYPE B BARRICADE WARNING LIGHTS WITH ROAD CLOSED SIGN.
- DENOTES TRAFFIC FLOW
- PEDESTRIAN W/ BICYCLE, ETC. ROUTE

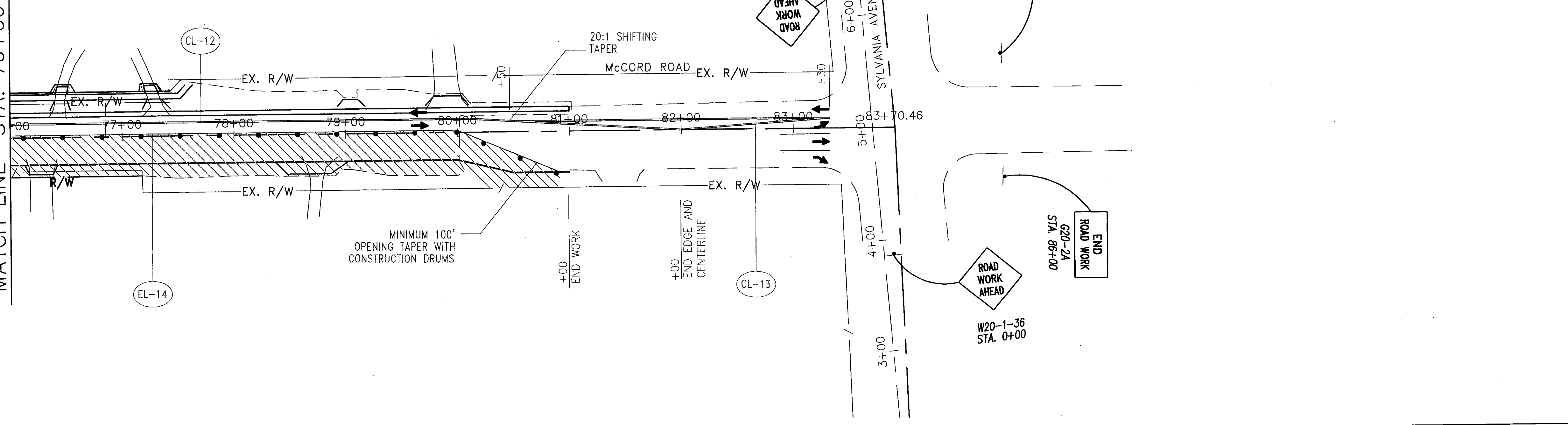
ROAD WORK AHEAD SIGN L W20-1-48

EL = EDGE-LINE

CL = CENTERLINE (SOLID DOUBLE YELLOW)

35 MPH W13-1-24

INSTALL SIGNS ON EACH APPROACH TO WORK AREA AND ABUTTING SIDE STREETS, 200' IN ADVANCE OF WORK LIMITS OR OTHER LEAD-IN SIGNING.



DESIGNED BY: PWH
 DRAWN BY: LMM

SCALE: 1" = 50'
 0 50 100

MAINTENANCE OF TRAFFIC-STAGE 2 PLAN
MCCORD ROAD

LUC. C. R. NO. CR73

GENERAL SUMMARY

REF NO.	SHEET NO.	ITEM	QUANT.	AS BUILT	UNIT	DESCRIPTION	REF NO.	SHEET NO.	ITEM	QUANT.	UNIT	DESCRIPTION	
--ROADWAY--													
1	5	201	1	1	L.S.	CLEARING AND GRUBBING	53	17	604	19	16	EACH	MANHOLE NO. 3
2	52	202	1	1	L.S.	STRUCTURE REMOVED	54	17	604	3	3	EACH	MANHOLE NO. 3, AS PER PLAN
3	16	202	141	329.33	SQ. YD.	PAVEMENT REMOVED	55	17	604	7	10	EACH	MANHOLE ADJUSTED TO GRADE
4	19	202	1487	2081	SQ. FT.	WALK REMOVED	56	6	604	4000	536.4	LBS	SPECIAL - MISCELLANEOUS METAL
5	15	202	137	310	FOOT	CURB AND GUTTER REMOVED	57	6	604	5	0	EACH	INSPECTION WELL
6	19	202	2946	2194	FOOT	PIPE REMOVED, 24" AND UNDER	55A		SPEC		1	L.S.	CONCRETE MATERIALS, MISC. ADJUSTMENTS
7	19	202	3	2	EACH	MANHOLE REMOVED	58	15A	605	7420	7204	FOOT	4" BASE PIPE UNDERDRAINS WITH FABRIC WRAP, AS PER PLAN, 707.31
8	19	202	21	21	EACH	CATCH BASIN REMOVED	58A		253		1	LS	PAVEMENT REPAIR (TRENCH IN FRONT OF CURB)
9	19	202	4	4	EACH	INLET REMOVED	58B		253		1	LS	PAVEMENT REPAIR (WATER MAIN BREAK)
10		202	190	36	FOOT	FENCE REMOVED	58C		254		1	LS	PAVEMENT PLANING, ASPHALT CONCRETE (NORTH BOUND LANE)
11	25	202	1	1	EACH	REMOVAL MISC: LANDSCAPE PLANTER	58D		254		1	LS	PAVEMENT PLANING, ASPHALT CONCRETE (SB LANE, DIAMOND GRINDING)
12	33	202	16	16	FOOT	REMOVAL MISC: STONE WALL, AS PER PLAN	59	15	302	2988	2834.52	CU. YD.	ASPHALT CONCRETE BASE, PG 64-22
12A		202		1	L.S.	WEARING COURSE REMOVED	58E		SPEC		1	LS	MISC.: ASPHALT DRIVE REPAIRS
13	16, 19	203	12,122	12,596.6	CU. YD.	EXCAVATION	60	15	304	4310	4290.33	CU. YD.	AGGREGATE BASE
14	19	203	1519	1493.6	CU. YD.	EMBANKMENT, AS PER PLAN	60A		401.20		1	L.S.	ASPHALT BINDER PRICE ADJUSTMENT
15	15	204	25,480	25,480	SQ. YD.	SUBGRADE COMPACTION, AS PER PLAN	61	15	407	1583	1369.2	GAL	TACK COAT
16	5	204	1325	0	CU. YD.	EXCAVATION OF SUBGRADE, AS PER PLAN	62	15	407	844	843.8	GAL	TACK COAT FOR INTERMEDIATE COURSE
17	5	204	1325	0	CU. YD.	GRANULAR MATERIAL, TYPE B	63	15	408	8823	6900	GAL	PRIME COAT
18	29, 35	604	2	2	EACH	MONUMENT ASSEMBLY, AS PER PLAN (TYPE 1B OR TYPE 2B)	64	15	448	1046	1346.98	CU. YD.	ASPHALT CONCRETE SURFACE COURSE, TYPE 1H, PG 70-22M
18A		604		1	L.S.	MONUMENT ASSEMBLY, AS PER PLAN (TYPE A OR TYPE B, SUBDIVISION)	65	15	448	1221	1213.09	CU. YD.	ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, PG 64-28
19	19	608	14,848	15,188	SQ. FT.	4" CONCRETE WALK	66	16	448	58	62.06	CU. YD.	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, PG 64-22, (DRIVEWAYS)
20	19	608	733	1112	SQ. FT.	6" CONCRETE WALK	67	16	452	144	216.52	SQ. YD.	6" NON-REINFORCED CONCRETE PAVEMENT
21	19	608	10	13	EACH	CURB RAMP, AS PER PLAN	68	15	609	8291	8600.59	FOOT	COMBINATION CURB AND GUTTER, TYPE 2
22	5	SPECIAL	41	7	EACH	MAILBOX SUPPORT, TYPE 1 OR TYPE 2	68A		609		108.50	FOOT	CURB, TYPE 6
--EROSION CONTROL--													
23	5	207	8140	100	FOOT	PERIMETER FILTER FABRIC FENCE	69	15	621	158	124	EACH	RPM
24	5	207	240	0	FOOT	FILTER FABRIC DITCH CHECK	70	15	621	18	9	EACH	RAISED PAVEMENT MARKER REMOVED
25	5	207	632	820.5	FOOT	INLET PROTECTION	71	20	630	670.5	658.5	FOOT	GROUND MOUNTED SUPPORT, NO. 3 POST, AS PER PLAN
26	17	601	25	13	CU. YD.	ROCK CHANNEL PROTECTION, TYPE D, WITH FILTER	72	20	630	274.76	274.76	SQ. FT.	SIGN, FLAT SHEET, TYPE G
27	19	659	7189	7189	SQ. YD.	SEEDING AND MULCHING	73	20	630	32	32	EACH	REMOVAL OF GROUND MOUNTED POST SUPPORT AND STORAGE
28	19	659	360	800	SQ. YD.	REPAIR SEEDING AND MULCHING	74	20	630	32	31	EACH	REMOVAL OF GROUND MOUNTED SIGN AND STORAGE
29	19	659	0.65	0.647	TON	COMMERCIAL FERTILIZER	75	20	630	6	9	EACH	REMOVAL OF GROUND MOUNTED SIGN AND REERECTION
30	19	659	39	38.82	MGAL	WATER	76	20	630	5	6	EACH	SIGN POST REFLECTOR
31	19	659	791	791	CU. YD.	TOPSOIL	77	15	644	1.66	1.65	MILE	EDGE LINE
27A		659		129.40	MSF	MOWING	78	15	644	0.11	0.12	MILE	LANE LINE
29A		659		1	L.S.	MISC.: COMMERCIAL FERTILIZER, WEED & PEST APPLICATION	79	15	644	1.42	1.39	MILE	CENTER LINE
--DRAINAGE--							80	15	644	944	653	FOOT	CHANNELIZING LINE
32	17	602	2.18	1.09	CU. YD.	CONCRETE MASONRY	81	15	644	103	193	FOOT	STOP LINE
32A		603		1	L.S.	DRAINAGE INVESTIGATION AND REPAIR	82	15	644	465	462	FOOT	CROSSWALK LINE
33	17	603	45	188.5	FOOT	6" CONDUIT, TYPE C, 707.33, 707.42, 707.43, OR 707.45	83	15	644	421	250.5	FOOT	TRANSVERSE / DIAGONAL LINE (YELLOW)
34	15A	603	371	271	FOOT	6" CONDUIT, TYPE F, 707.33, 707.41 NON-PERFORATED, 707.42, OR 707.45	84	15	644	132	123	FOOT	TRANSVERSE / DIAGONAL LINE (WHITE)
35	17	603	1040	1285	FOOT	12" CONDUIT, TYPE B, AS PER PLAN	85	15	644	132	287	SQ. FT.	ISLAND MARKING
36	17	603	42	8.5	FOOT	15" CONDUIT, TYPE B, AS PER PLAN	86	15	644	50	46	EACH	LANE ARROW
37	17	603	1140	803	FOOT	12" CONDUIT, TYPE C, AS PER PLAN	87	72	644	2	2	EACH	BICYCLE DETECTOR SYMBOL, AS PER PLAN
38	17	603	40	7	FOOT	15" CONDUIT, TYPE C, AS PER PLAN							
39	17	603	352	342	FOOT	24" CONDUIT, TYPE B, 706.02 WITH 706.11 JOINTS							
40	17	603	536	536	FOOT	27" CONDUIT, TYPE B, 706.02 WITH 706.11 JOINTS							
41	17	603	704	708	FOOT	33" CONDUIT, TYPE B, 706.02 WITH 706.11 JOINTS							
42	17	603	144	131	FOOT	33" CONDUIT, TYPE C, 706.02 WITH 706.11 JOINTS							
43	17	603	188	195	FOOT	29" x 45" CONDUIT, TYPE C, 706.04							
44	17	603	112	96	FOOT	48" CONDUIT, TYPE A, 706.02 WITH 706.11 JOINTS							
45	17	604	41	43	EACH	CATCH BASIN, NO. 3A							
46	17	604	2	2	EACH	CATCH BASIN, NO. 3							
47	17	604	18	19	EACH	CATCH BASIN, NO. 2-2B							
48	17	604	1	1	EACH	CATCH BASIN, NO. 2-5, AS PER PLAN (BMP)							
49	17	604	1	1	EACH	CATCH BASIN, AS PER PLAN							
50	17	604	7	10	EACH	CATCH BASIN ADJUSTED TO GRADE							
51	17	604	1	4	EACH	CATCH BASIN RECONSTRUCTED TO GRADE, AS PER PLAN							
52	17	604	23	23	EACH	SIDE DITCH INLET							

CALCULATED: RJS PWH
 REVISION: JML SLR
 CHECKED: SLR
 GENERAL SUMMARY
 LUC. C.R. NO. 73
 MCCORD ROAD

QUANTITIES			QUANTITIES		
CALC. BY	JML	DATE 3/09	CALC. BY	RJS	DATE 4/09/08
CHKD. BY	SLR	DATE 3/09	CHKD. BY	P.W.H.	DATE 4/09/08

GENERAL SUMMARY

REF NO.	SHEET NO.	ITEM	QUANT.		UNIT	DESCRIPTION	REF NO.	SHEET NO.	ITEM	QUANT.		UNIT	DESCRIPTION
-TRAFFIC SIGNALS-							-MAINTENANCE OF TRAFFIC-						
88	75	202	3	3	EACH	PULLBOX REMOVED	131	7	410	600	182.26	CU. YD.	TRAFFIC COMPACTED SURFACE, TYPE A OR B
89	75	603	50	0	FOOT	3" CONDUIT, TYPE F	132	7	614	120	0	CU. YD.	ASPHALT CONCRETE FOR MAINTAINING TRAFFIC
90	75	614	8	8	HOUR	LAW ENFORCEMENT OFFICER WITH PATROL CAR	133	15	614	3.10	4.65	MILE	WORK ZONE CENTERLINE, CLASS 1, 642 PAINT
91	73	614	1	1	L.S.	SPECIAL - TEMPORARY MAINTENANCE OF EXISTING TRAFFIC SIGNALS	134	15	614	0.08	0.14	MILE	WORK ZONE CENTERLINE, CLASS 1, 740.06 TYPE 1
92	75	625	442	386.5	FOOT	CONDUIT, 2", 725.05, AS PER PLAN	135	15	614	3.92	6.38	MILE	WORK ZONE EDGE LINE, CLASS 1, 642 PAINT
93	75	625	63	38	FOOT	CONDUIT, 3", 725.05, AS PER PLAN	136	15	614	0.10	0.17	MILE	WORK ZONE EDGE LINE, CLASS 1, 740.06 TYPE 1
94	75	625	430	455	FOOT	TRENCH, AS PER PLAN	137		614	25	20	EACH	REPLACEMENT DRUM
95	75	625	2	1	EACH	PULLBOX, TYPE A	138		614	10	4	EACH	REPLACEMENT SIGN
96	75	625	3	2	EACH	PULLBOX, TYPE B	139A		614	2	2	EACH/NO.	PORTABLE CHANGEABLE MESSAGE SIGN
97	75	625	3	0	EACH	PULL BOX ADJUSTED TO GRADE	139	7	615	1553	1909	SQ. YD.	PAVEMENT FOR MAINTAINING TRAFFIC, AS PER PLAN
98	75	625	2	2	EACH	GROUND ROD	138B		614	2	2	EACH	ADVANCED "ROAD CLOSED AHEAD" SIGN, MISC.
93A		625	1	1	L.S.	CONDUIT, 3" MISC. REPAIR	140	7	616	59	0	MGAL	WATER
99	75	632	4	4	EACH	VEHICULAR SIGNAL HEAD WITH LED LAMP UNITS, 3 SECTION, POLYCARBONATE, 12" LENS, 1-WAY, AS PER PLAN	-MISCELLANEOUS-						
100	75	632	4	4	EACH	COVERING OF VEHICULAR SIGNAL HEAD	141	7	614	1	1	L.S.	MAINTAINING TRAFFIC
101	75	632	6	5	EACH	DETECTOR LOOP	142		619	12	12	MONTH	FIELD OFFICE, TYPE A
102	75	632	128	128	FOOT	SIGNAL CABLE, 2 CONDUCTOR, NO. 12 AWG, AS PER PLAN	143		623	1	1	L.S.	CONSTRUCTION LAYOUT STAKES
103	75	632	1042	1116	FOOT	SIGNAL CABLE, 5 CONDUCTOR, NO. 12 AWG, AS PER PLAN	144		624	1	1	L.S.	MOBILIZATION
104	75	632	2	2	EACH	SIGNAL SUPPORT FOUNDATION	145		108.06D	1	1	L.S.	EXCUSABLE, COMPENSABLE DELAYS
105	75	632	868	812.5	FOOT	LOOP DETECTOR LEAD-IN CABLE							
106	75	632	2	2	EACH	CABLE SUPPORT ASSEMBLY							
107	75	632	1	1	EACH	COMBINATION SIGNAL SUPPORT, TYPE TC-81.20, DESIGN NO. 1							
108	75	632	1	1	EACH	SIGNAL SUPPORT, TYPE TC-81.20, DESIGN NO. 2							
109	75	632	1	1	EACH	REMOVAL OF TRAFFIC SIGNAL INSTALLATION, AS PER PLAN							
108A		632	1	1	L.S.	PEDESTAL, MISC., PLUMB EXISTING PEDESTAL							
-SANITARY AND WATERWORK-													
110	6C	603	20	20	L.F.	12" CONDUIT, TYPE B (AVG CUT 14'-16')							
111	6C	603	189	189	L.F.	12" CONDUIT, TYPE C (AVG CUT 14'-16')							
112	6C	603	69	45	L.F.	8" CONDUIT, TYPE B (AVG CUT 12'-14')							
113	6C	603	247	253	L.F.	8" CONDUIT, TYPE C (AVG CUT 12'-14')							
114	6C	603	20	25	V.F.	6" RISER							
115	6C	603	540	540	L.F.	6" SERVICE CONNECTION, TYPE B							
116	6C	603	218	218	L.F.	6" SERVICE CONNECTION, TYPE C							
117	6C	603	9	11	EACH	6" GPK DEEP SOCKET							
118	6C	603	10	13	EACH	6" ~ 45° BEND							
119	6C	603	4	3	EACH	8" X 6" REDUCER							
120	6C	603	1	1	EACH	6" DOUBLE WYE							
121	6C	603	1	1	EACH	8" PLUG							
122	6	603	180	0	FOOT	6" CONDUIT, TYPE B, FOR SANITARY							
123	6	603	140	0	FOOT	6" CONDUIT, TYPE C, FOR SANITARY							
124	6C	604	26.79	26.79	V.F.	LUCAS COUNTY TYPE 2 STANDARD MANHOLE							
125	6C	SPECIAL	1	1	L.S.	RESTORATION OF RIGHT OF WAY							
126	19	604	14	19	EACH	MANHOLE ADJUSTED TO GRADE							
127	19	604	14	13	EACH	MANHOLE RECONSTRUCTED TO GRADE							
127A		SPEC	1	1	L.S.	CONCRETE MATERIALS MISC. ADJUSTMENTS							
128	19	638	11	5	EACH	FIRE HYDRANT AND GATE VALVE REMOVED AND RESET							
129	19	638	4	4	EACH	VALVE BOX ADJUSTED TO GRADE							
130	19	638	30	0	FOOT	8" WATER MAIN DUCTILE IRON PIPE ANSI CLASS 52 MECHANICAL JOINT AND FITTINGS							
129A		638	6	6	EACH	FIRE HYDRANT AND GATE VALVE REMOVED & RESET PROVIDE NEW VALVE							
130A		638	1	1	L.S.	8" WATER MAIN RELOCATION @ SCH LICKER DITCH							
130B		SPEC	1	1	L.S.	REMOVAL OF SEPTIC TANK @ 3427 N. MCCORD ROAD							
130C		SPEC	1	1	L.S.	16" SANITARY SEWER FORCE MAIN RELOCATION							
130D		638	1	1	L.S.	8" WATER MAIN RELOCATION @ KELKER STREET							

CALCULATED: RJS
 CHECKED: PWH
 REVISION: JML
 CHECKED: LJP

GENERAL SUMMARY

LUC. C.R. NO. 73
 MCCORD ROAD

QUANTITIES			QUANTITIES		
CALC. BY	JML	DATE 3/09	CALC. BY	R.J.S.	DATE 4/09/08
CHKD. BY	SLR	DATE 3/09	CHKD. BY	P.W.H.	DATE 4/09/08

14A
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UNDERDRAIN SUMMARY

LOCATION	SIDE	PIPE SPECIALS	605		603		SEE SHEET NO. 4
			4" BASE PIPE UNDERDRAINS WITH FABRIC WRAP, AS PER PLAN, 707.31	6" CONDUIT, TYPE F, 707.33, 707.41 NON-PERFORATED, 707.42, OR 707.45	605	603	
FROM	TO/AT		FOOT				
39+30	41+00	LT		163.5	6.5		
39+30	39+60	RT	6"x6" TEE	30	4	*	
39+60	40+50	RT		90	-		
40+50	41+00	RT		44.5	6.5		
41+05	42+95	LT		183.5	6.5		
41+05	42+95	RT		183.5	6.5		
43+05	43+30.4	LT		32.5	6.5		
43+05	43+27.89	RT		21.5	6.5		
43+56.7	43+95	LT		45.5	6.5		
43+63.93	43+95	RT		30.5	6.5		
44+00	46+17	LT		210.5	6.5		
44+00	46+17	RT		210.5	6.5		
46+21.95	46+63.94	LT		35.5	6.5		
46+63.94	46+96.8	LT		41.5	6.5		
47+55.8	47+87.29	LT		35.5	6.5		
46+21.95	47+50	RT		121.5	6.5		
47+87.29	50+00	LT		206.5	6.5		
47+50	50+00	RT		243.5	6.5		
50+05	51+57.94	LT		146.5	6.5		
50+05	51+57.94	RT		146.5	6.5		
51+57.94	53+95	LT		230.5	6.5		
51+57.94	53+95	RT		230.5	6.5		
54+05	54+33.7	RT	6"x6" TEE	41	4		
54+00	54+95	LT		88.5	6.5		
54+67.7	54+95	RT		34	5		
55+00	56+36	LT		129.5	6.5		
55+00	56+36	RT		129.5	6.5		
56+36	58+50	LT		207.5	6.5		
56+36	58+60.37	RT		217.5	6.5		
58+55	60+25	LT		163.5	6.5		
58+74	60+47.92	RT		167.5	6.5		
60+49	61+13.18	LT		57.5	6.5		
61+13.18	63+10	RT		190.5	6.5		
61+13.18	62+05	LT		85.5	6.5		
62+07.45	62+95	LT		81.5	6.5		
63+14.57	65+83	RT		261.5	6.5		
63+00	64+45	LT		138.5	6.5		
64+50	64+87.9	LT		50.5	6.5	*	
65+16.8	65+48.63	LT		47	-	*	
65+48.63	65+99.41	LT		43	10	*	
66+01.27	67+32	RT		124.5	6.5		
65+99.41	67+45	LT		136	10		

UNDERDRAIN SUMMARY

LOCATION	SIDE	PIPE SPECIALS	605		603		SEE SHEET NO. 4
			4" BASE PIPE UNDERDRAINS WITH FABRIC WRAP, AS PER PLAN, 707.31	6" CONDUIT, TYPE F, 707.33, 707.41 NON-PERFORATED, 707.42, OR 707.45	605	603	
FROM	TO/AT		FOOT				
67+50	69+45	RT		188.5	6.5		
67+50	69+45	LT		188.5	6.5		
69+50	71+12	RT		155.5	6.5		
69+50	71+16.31	LT		159.5	6.5		
71+16.31	71+49.4	LT		46.5	6.5		
71+78.7	72+96	LT		134.5	6.5		
71+16.61	72+96	RT		173.5	6.5		
73+00.84	74+95	LT		187.5	6.5		
73+01.21	74+45	RT		137.5	6.5		
74+50	76+58	RT		201.5	6.5		
75+00	76+48	LT		141.5	6.5		
76+63.34	77+86	RT		116.5	6.5		
76+63.34	77+87	LT		117.5	6.5		
77+90.81	79+46	RT		148.5	6.5		
77+91.65	79+42	LT		143.5	6.5		
79+51.06	80+00	RT		42.5	6.5		
79+47.48	80+12	LT		58.5	6.5		
TOTAL TO GENERAL SUMMARY:				7420	371		

QUANTITIES
 CALC. BY: JML DATE: 3/09
 CHKD. BY: SLR DATE: 3/09

LUC. C.R. NO. 73
 MCCORD ROAD

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MISCELLANEOUS TABLES

CALCULATED: JML
 CHECKED: SLR

GROUND MOUNTED SIGN SUMMARY - TABLE 1

SEE SHEET NO.	LOCATION	STATION	SIDE	SIGN CODE NO.	SIGN SIZE	630					
						SIGN FLAT SHEET TYPE G	GROUND MOUNTED SUPPORT, NO. 3 POST	REMOVAL OF GROUND MOUNTED POST SUPPORT AND STORAGE	REMOVAL OF GROUND MOUNTED SIGN & STORAGE	REMOVAL OF GROUND MOUNTED SIGN & REELECTION	SIGN POST REFLECTORS
70	MCCORD ROAD	39+43	LT	R3-H8bg-30							
70	MCCORD ROAD	42+00	RT	R3-H8bh-36	36 X 30	7.5	15.0				
				*D3-1	36 X 12						
70	MCCORD ROAD	42+77	LT	R2-1-24	24 X 30	5	14.0				
70	MCCORD ROAD	44+15	RT	R2-1-24	24 X 30	5	14.0				
70	MCCORD ROAD	44+53	RT	R2-1-24				1	1		
70	MCCORD ROAD	44+54	LT	R2-1-24				1	1		
70	MCCORD ROAD	45+10	RT	R3-H8ba-30	30 X 30	6.25	15.0				
				*D3-1	30 X 12						
70	MCCORD ROAD	45+43	RT	R3-H8ba-30				1	1		
70	MCCORD ROAD	45+60	LT	R3-H8bh-36	36 X 30	7.5	15.0				
				*D3-1	36 X 12						
70	MCCORD ROAD	46+69	RT	R3-H8ba-30				1	1		
70	MCCORD ROAD	47+82	LT	R3-9B-24	24 X 36	6	15.0				
				R3-H9k-24	24 X 6	1					
70	MCCORD ROAD	48+00	RT	R3-9B-24	24 X 36	6	15.0				
				R3-H9J-24	24 X 6	1					
70	MCCORD ROAD	49+08	RT	W2-2R-30				1	1		
70	MCCORD ROAD	49+10	RT	W2-2R-30	30 X 30	6.25	16.0				
				W16-8-30	30 X 8	1.67					
70	MCCORD ROAD	50+08	LT	W2-2R-30				1	1		
70	MCCORD ROAD	50+25	LT	W2-2R-30	30 X 30	6.25	16.0				
				W16-8-30	30 X 8	1.67					
70	MCCORD ROAD	50+55	RT	W3-3-36				1	1		
70	MCCORD ROAD	52+31	LT	R2-1-24	24 X 30	5	14.0				
70	MCCORD ROAD	53+00	RT	W11-1-30	30 X 30	6.25	15.0				
70	MCCORD ROAD	53+60	LT	R3-9B-24	24 X 36	6	15.0				
				R3-H9J-24	24 X 6	1					
70	MCCORD ROAD	53+60	RT	R3-9B-24	24 X 36	6	15.0				
				R3-H9k-24	24 X 6	1					
70	MCCORD ROAD	53+95	RT	W11-1-30				1	1		
70	MCCORD ROAD	54+84	LT	R3-H8ba-30				1	1		
70	MCCORD ROAD	54+85	LT	R3-H8ba-30	30 X 30	6.25	14.0				
70	MCCORD ROAD	56+20	LT	R3-H8ba-30	30 X 30	6.25	15.0				
				*D3-1	30 X 12						
70	MCCORD ROAD	56+25	RT	R10-6-24	24 X 36	6.0	14.5				
70	MCCORD ROAD	56+33	LT	R3-H8ba-30				1	1		
70	MCCORD ROAD	56+35	RT	R10-6-24				1	1		
70	MCCORD ROAD	56+44	LT	R2-1-24				1	1		
70	MCCORD ROAD	56+40	LT	D11-1-24	24 X 18	3.0	13.5				
				I-H12a-24	24 X 6	1.0					
70	MCCORD ROAD	56+49	LT	D11-1-24				1	1		
70	KELKER STREET	43+23	RT	R5-H2b-24				1	1		
70	KELKER STREET	43+29	RT	R5-H2b-24	24 X 24	4.0	13.5				
70	KELKER STREET	43+60	RT	R1-1-30				1	1		
70	KELKER STREET	43+63	RT	R1-1-30	30 X 30	6.25	14.0				1
70	RIDGEWOOD TRAIL	46+88	LT	R1-1-30				1	1		
				D3						2	
70	RIDGEWOOD TRAIL	46+93	LT	R1-1-30	30 X 30	6.25	15.5				1
70	RIDGEWOOD TRAIL	47+56	LT	R5-H2b-24				1	1		
70	RIDGEWOOD TRAIL	47+58	LT	R5-H2b-24	24 X 24	4.0	13.5				
70	BLOSSMAN ROAD	54+67	RT	R1-1-30	30 X 30	6.25	15.5				1
70	BLOSSMAN ROAD	54+71	RT	R1-1-30				1	1		
				D3						2	
70	UNIVERSITY TRAIL	56+54	LT	R10-22-12	12 X 18	1.5	13.0				
70	UNIVERSITY TRAIL	56+54	RT	R5-3-24				1	1		
70	UNIVERSITY TRAIL	56+55	RT	R5-3-24	24 X 24	4.0	13.5				
70	UNIVERSITY TRAIL	56+77	LT	R5-3-24				1	1		
70	UNIVERSITY TRAIL	56+77	LT	R5-3-24	24 X 24	4.0	13.5				
70	UNIVERSITY TRAIL	56+81	RT	R10-22-12	12 X 18	1.5	13.0				
TOTALS FROM TABLE 1						146.59	376	21	21	4	3

GROUND MOUNTED SIGN SUMMARY - TABLE 2

SEE SHEET NO.	LOCATION	STATION	SIDE	SIGN CODE NO.	SIGN SIZE	630					
						SIGN FLAT SHEET TYPE G	GROUND MOUNTED SUPPORT, NO. 3 POST	REMOVAL OF GROUND MOUNTED POST SUPPORT AND STORAGE	REMOVAL OF GROUND MOUNTED SIGN & STORAGE	REMOVAL OF GROUND MOUNTED SIGN & REELECTION	SIGN POST REFLECTORS
71	MCCORD ROAD	57+10	LT	R10-6-24							
71	MCCORD ROAD	57+27	LT	R10-6-24	24 X 36	6	14.5				
71	MCCORD ROAD	57+27	LT	R3-9B-24	24 X 36	6	15.0				
				R3-H9k-24	24 X 6	1					
71	MCCORD ROAD	57+67	RT	R2-1-24				1	1		
71	MCCORD ROAD	57+67	RT	R3-9B-24	24 X 36	6	15.0				
				R3-H9J-24	24 X 6	1					
71	MCCORD ROAD	58+25	RT	R2-1-24	24 X 30	5	14.0				
71	MCCORD ROAD	58+50	LT	W2-2L-30	30 X 30	6.25	16.0				
				W16-8-30	30 X 8	1.67					
71	MCCORD ROAD	58+51	LT	W2-2L-30				1	1		
71	MCCORD ROAD	57+20	LT	W11-1-30				1	1		
71	MCCORD ROAD	57+20	LT	W11-1-30	30 X 30	6.25	15.0				
71	MCCORD ROAD	62+59	LT	W3-3-36				1	1		
71	MCCORD ROAD	62+59	LT	R2-1-24	24 X 30	5	14.0				
71	MCCORD ROAD	63+50	LT	R3-9B-24	24 X 36	6	15.0				
				R3-H9J-24	24 X 6	1					
71	MCCORD ROAD	63+80	RT	R3-H8ba-30	30 X 30	6.25	15.0				
				*D3-1	30 X 12						
71	MCCORD ROAD	65+61	LT	R3-9B-24	24 X 36	6	15.0				
				R3-H9k-24	24 X 6	1					
71	MCCORD ROAD	65+90	RT	R3-9B-24	24 X 36	6	15.0				
				R3-H9J-24	24 X 6	1					
71	MCCORD ROAD	68+60	LT	R2-1-24	24 X 30	5	14.0				
71	MCCORD ROAD	68+63	LT	R2-1-24				1	1		
71	MCCORD ROAD	69+65	RT	R3-H8ba-30				1	1		
71	MCCORD ROAD	70+00	RT	R3-H8ba-30	30 X 30	6.25	15.0				
				*D3-1	30 X 12						
71	MCCORD ROAD	70+00	LT	R3-9B-24	24 X 36	6	15.0				
				R3-H9J-24	24 X 6	1					
71	MCCORD ROAD	71+25	RT	R3-H8ba-30				1	1		
71	MCCORD ROAD	72+00	LT	R3-9B-24	24 X 36	6	15.0				
				R3-H9k-24	24 X 6	1					
71	MCCORD ROAD	74+47	RT	R2-1-24				1	1		
71	MCCORD ROAD	74+50	RT	R2-1-24	24 X 30	5	14.0				
71	MONARCH DRIVE	64+82	LT	R1-1-30	30 X 30	6.25	14.0				1
71	MONARCH DRIVE	64+87	LT	R1-1-30				1	1		
71	SPARROW HILL ROAD	71+47	LT	R1-1-30	30 X 30	6.25	14.0				1
71	SPARROW HILL ROAD	71+48	LT	R1-1-30				1	1		
				D3						2	
72	MCCORD ROAD	79+60	LT	R3-9B-24	24 X 36	6	15.0				
				R3-H9J-24	24 X 6	1					
72	MCCORD ROAD	79+90	RT	R3-9B-24	24 X 36	6	15.0				
				R3-H9k-24	24 X 6	1					
TOTALS FROM TABLE 2						128.17	294.5	11	11	2	2
TOTALS FROM TABLE 1						146.59	376	21	21	4	3
TOTALS TO GENERAL SUMMARY						274.76	670.5	32	32	6	5

QUANTITIES
 CALC.BY: KPW DATE 3/09
 CHKD.BY: GJT DATE 3/09
 QUANTITIES
 CALC.BY: R.J.S. DATE 4/09/08
 CHKD.BY: P.W.H. DATE 4/09/08

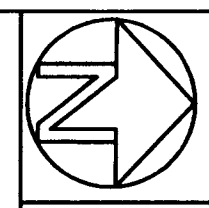
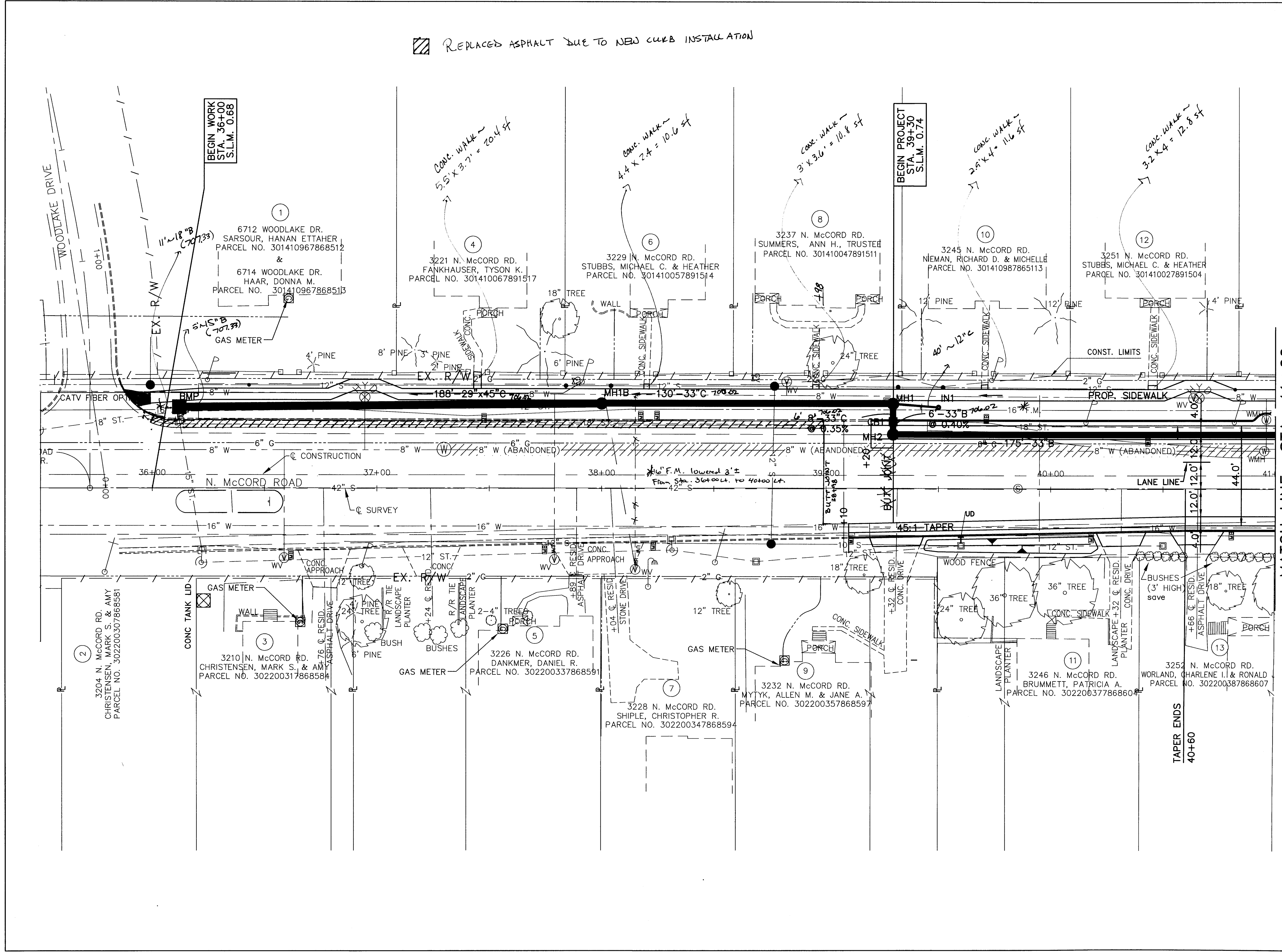
REVISIONS:
 CALCULATED: RJS
 CHECKED: PWH
 GJT

MISCELLANEOUS TABLES

LUC. C.R. NO. 73
 MCCORD ROAD

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REPLACED ASPHALT DUE TO NEW CURB INSTALLATION

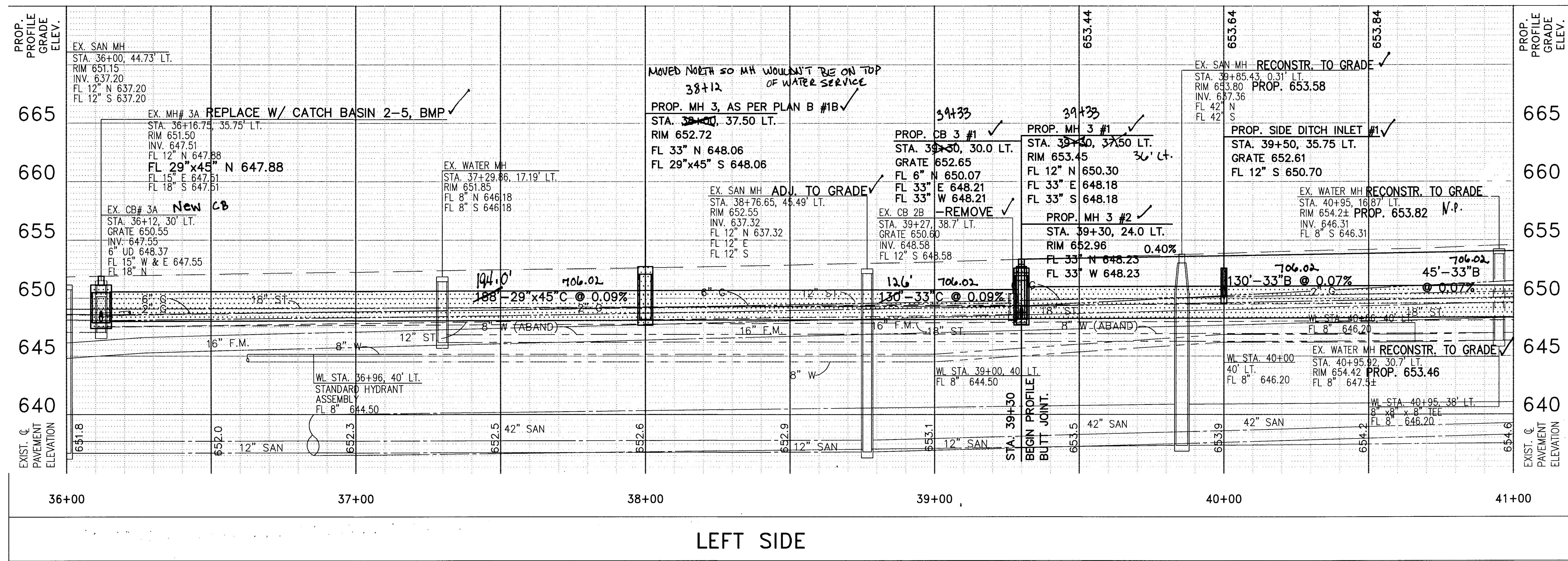


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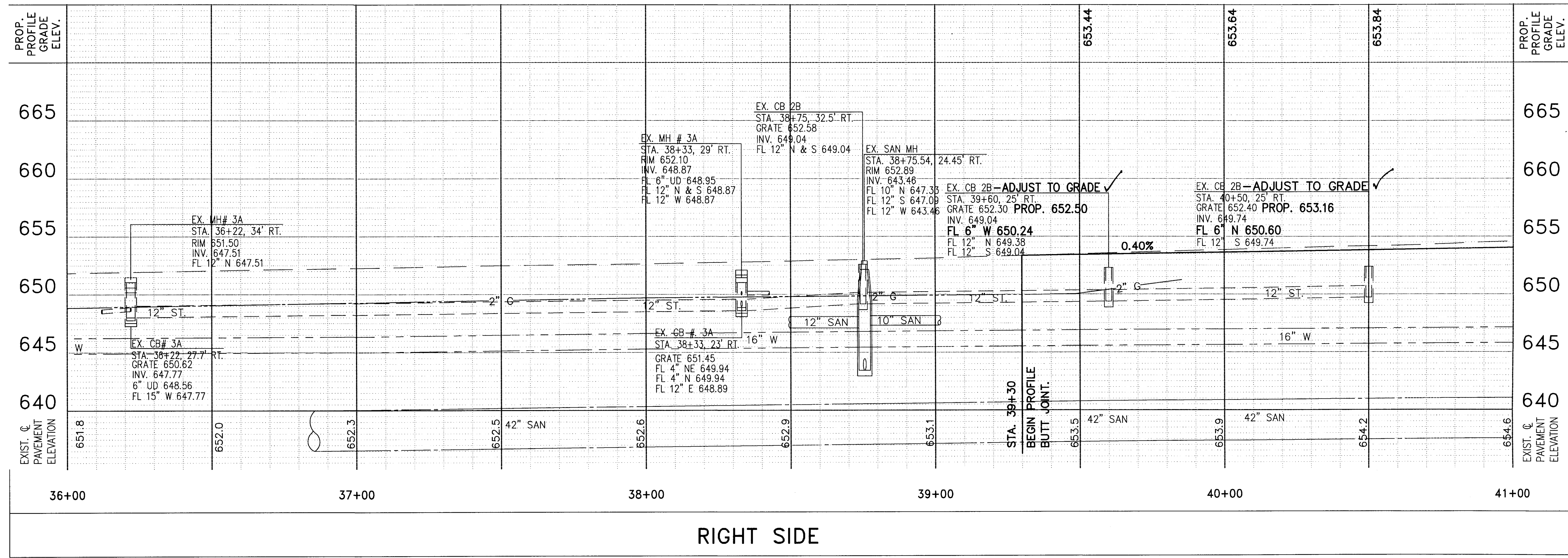
DESIGNED BY: PWH
 DRAWN BY: LMM
 REVISION BY: JML
 DRAWN BY: BSM

PLAN C.R. 73
 STA. 36+00 TO STA. 41+00

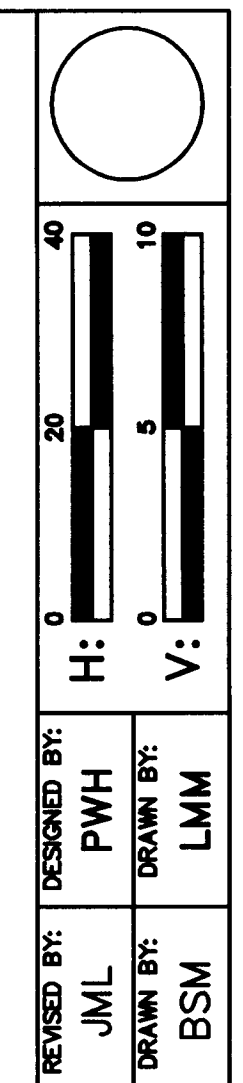
LUC. C.R. NO. 73
 MCCORD ROAD



LEFT SIDE



RIGHT SIDE



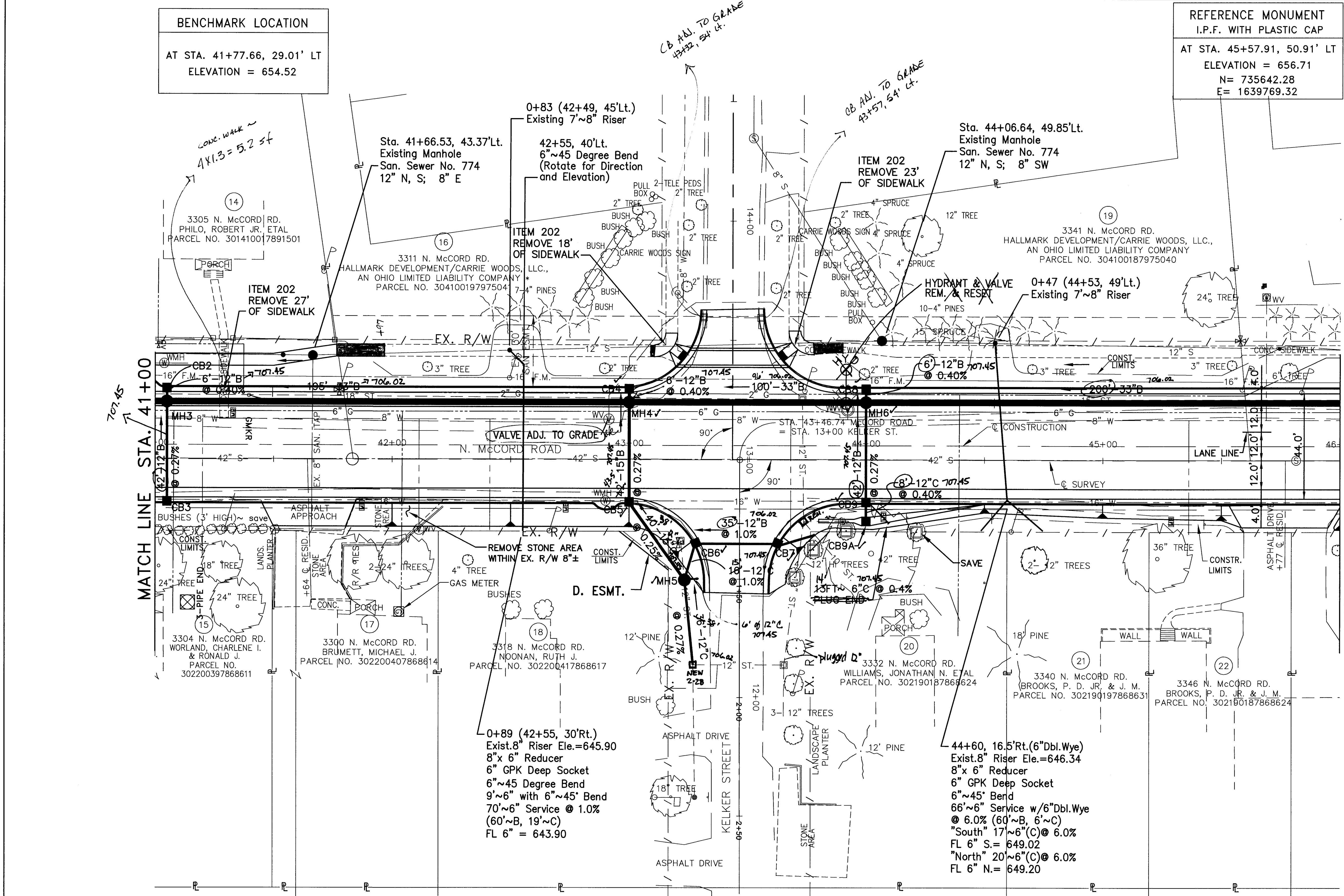
PROFILE C.R.73
STA. 36+00 TO STA. 41+00

LUC. C.R. NO. 73
MCCORD ROAD

BENCHMARK LOCATION
 AT STA. 41+77.66, 29.01' LT
 ELEVATION = 654.52

REFERENCE MONUMENT
 I.P.F. WITH PLASTIC CAP
 AT STA. 45+57.91, 50.91' LT
 ELEVATION = 656.71
 N= 735642.28
 E= 1639769.32

REFERENCE MONUMENT
 "X" IN EXISTING CATCH BASIN
 AT STA. 43+20.71, 34.68' RT
 ELEVATION = 654.89
 N= 735405.50
 E= 1639855.29



DESIGNED BY: PWH
 DRAWN BY: LMM
 REVISIONS: JML
 DRAWN BY: BSM

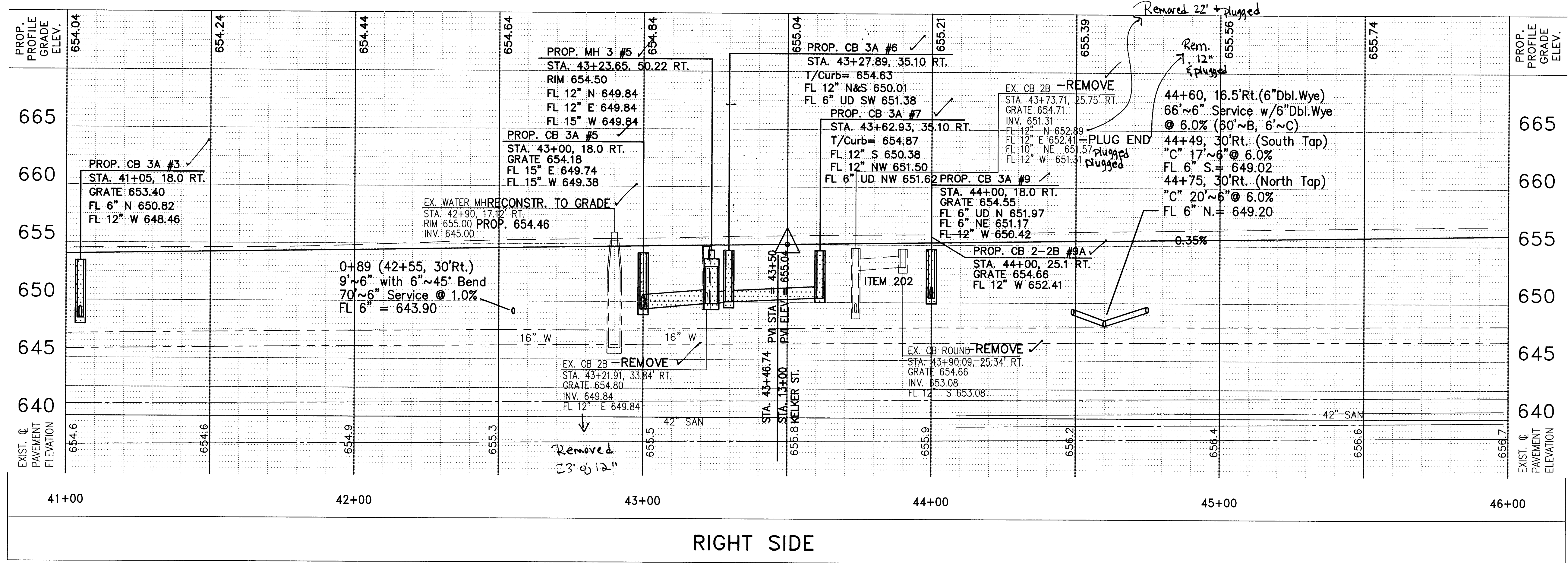
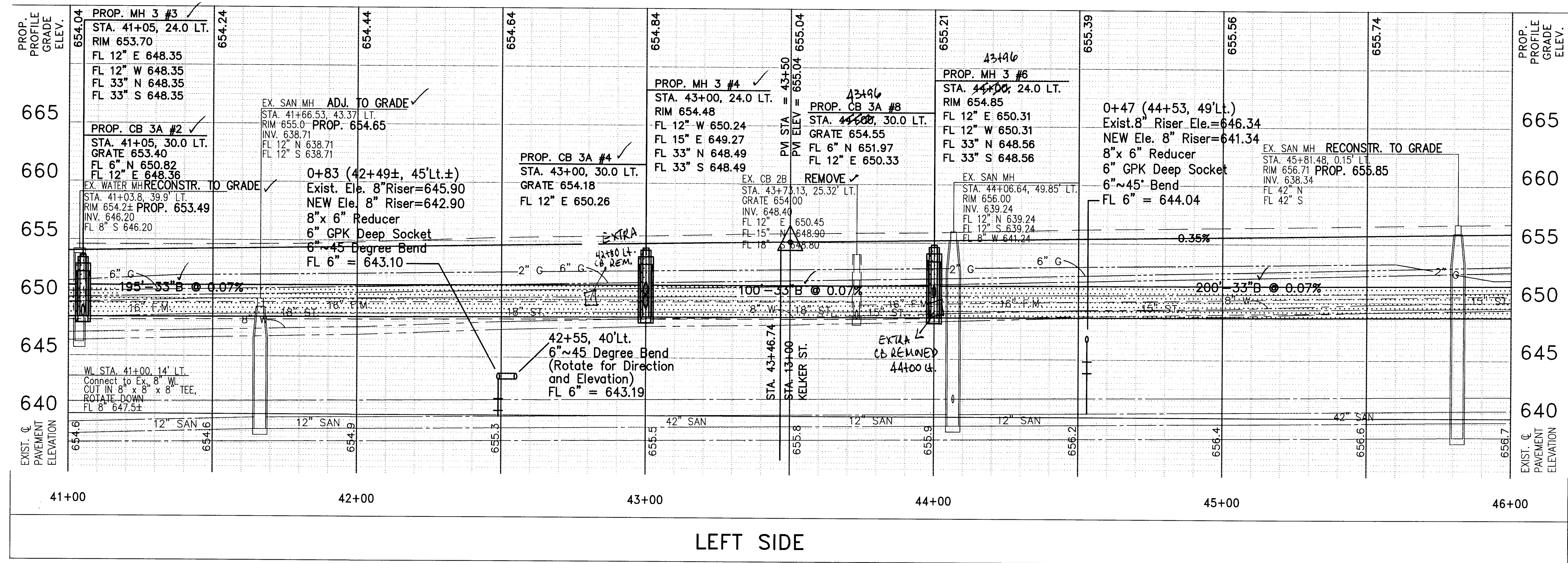
SCALE: 1" = 40'
 0' 20' 40'

PLAN C.R. 73
 STA. 41+00 TO STA. 46+00

LUC. C.R. NO. 73
 McCord Road

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NOTE:
 (*) - ADJUST VALVE AND RELOCATE HYDRANT



DESIGNED BY: PWH
 DRAWN BY: LMM
 CHECKED BY: JML
 DRAWN BY: BSM

PROFILE C.R. 73
 STA. 41+00 TO STA. 46+00

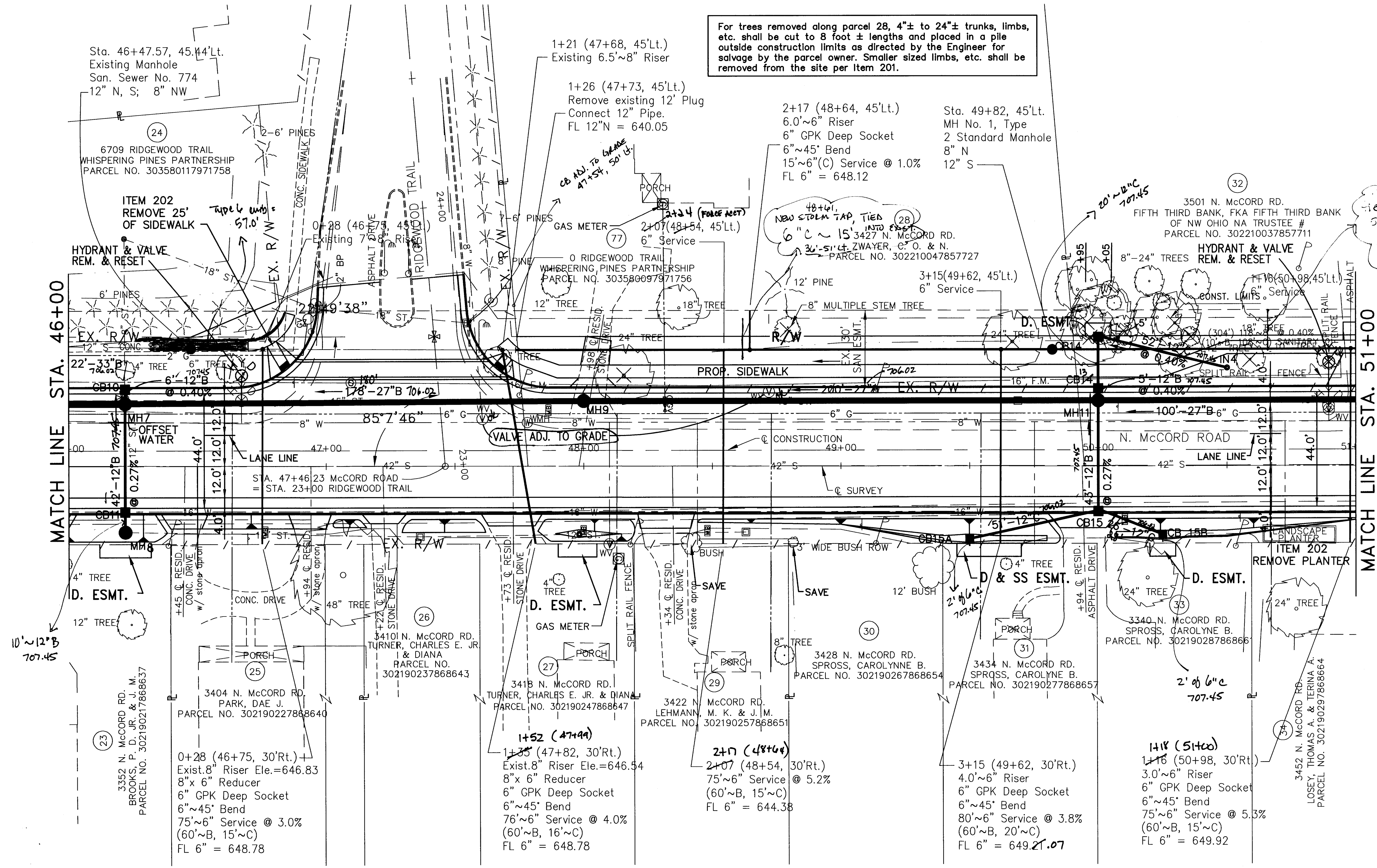
LUC. C.R. NO. 73
 MCCORD ROAD

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 107

REFERENCE MONUMENT
 "X" IN EXISTING CATCH BASIN
 AT STA. 46+20.69, 26.63' LT
 ELEVATION = 655.16
 N= 735705.18
 E= 1639792.53

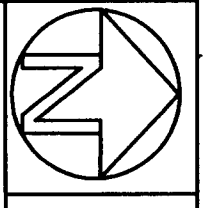
CENTERLINE MONUMENT
 I-BOLT IN 6" DIA. CONC. W/ "X"
 AT STA. 47+42.07, 50.07' LT
 ELEVATION = 655.01
 N= 735826.44
 E= 1639768.50

For trees removed along parcel 28, 4"± to 24"± trunks, limbs, etc. shall be cut to 8 foot ± lengths and placed in a pile outside construction limits as directed by the Engineer for salvage by the parcel owner. Smaller sized limbs, etc. shall be removed from the site per Item 201.



MATCH LINE STA. 46+00

MATCH LINE STA. 51+00



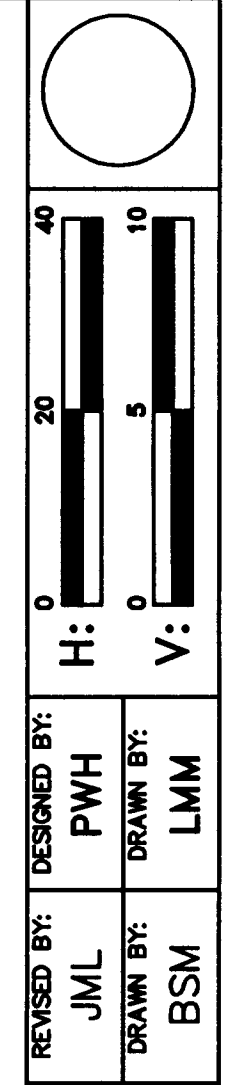
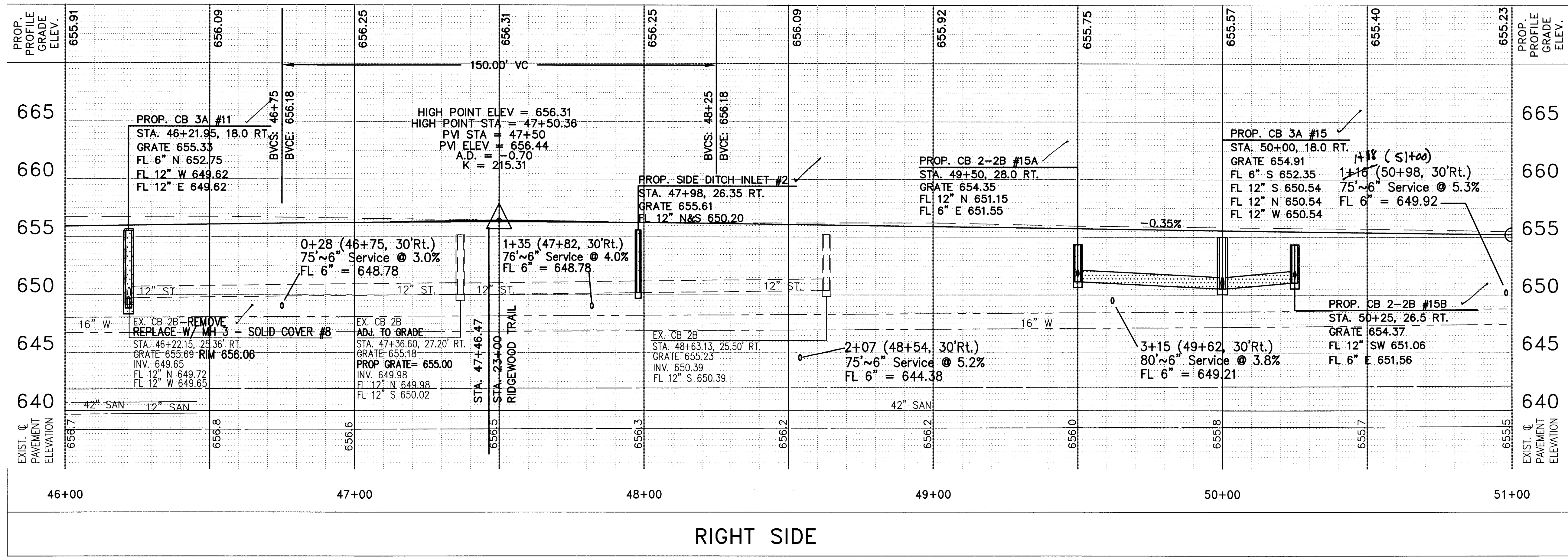
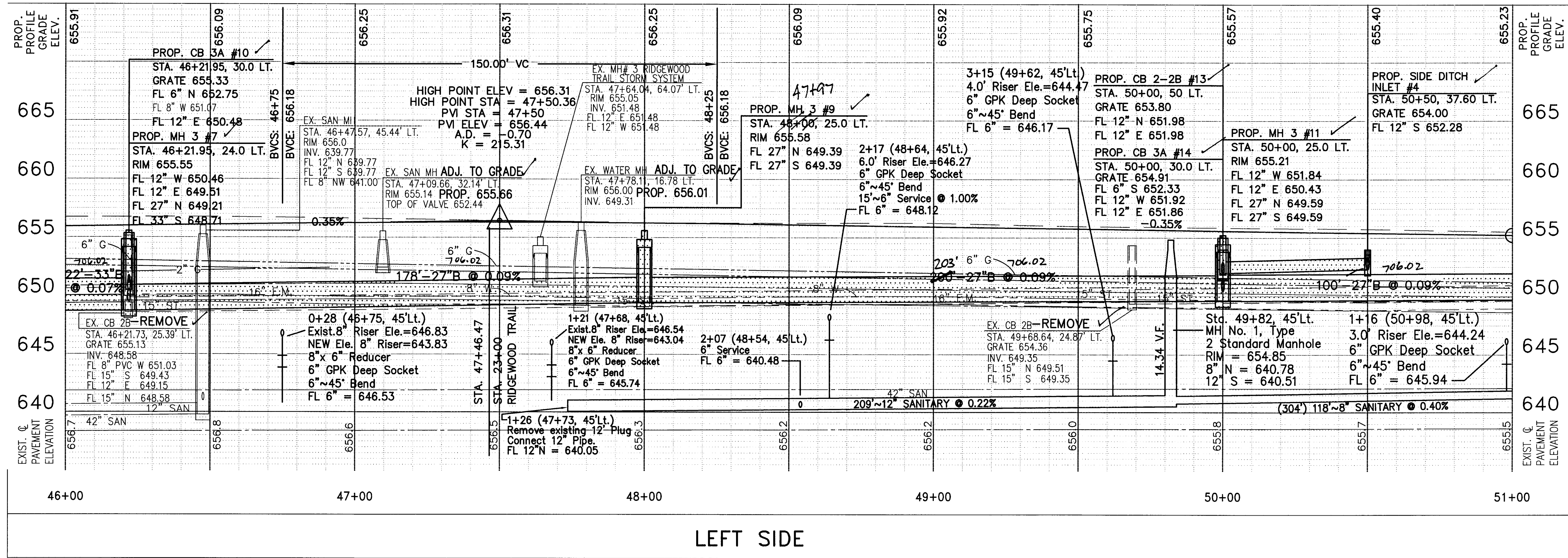
SCALE: 1" = 20' 40'

DESIGNED BY: PWH
 DRAWN BY: LMM
 CHECKED BY: JML
 DRAWN BY: BSM

PLAN C.R. 73
 STA. 46+00 TO STA. 51+00

LUC. C.R. NO. 73
 McCORD ROAD

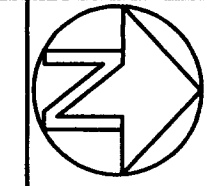
25
 107



DESIGNED BY: JMW
 REVISED BY: JMW
 DRAWN BY: BSM
 PWH
 LMM

PROFILE C.R.73
 STA. 46+00 TO STA. 51+00

LUC. C.R. NO. 73
 McCORD ROAD



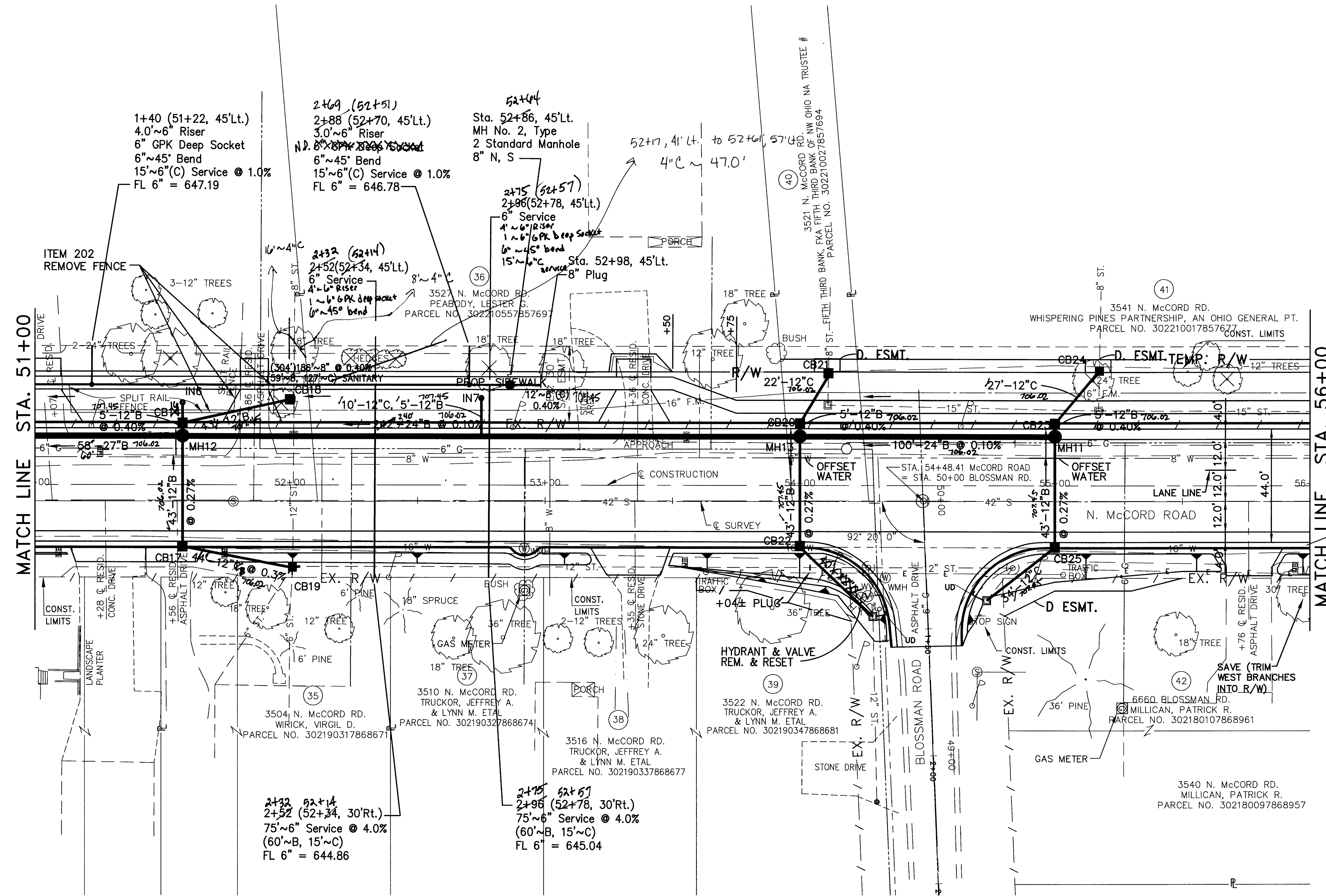
SCALE: 0' 20' 40'

DESIGNED BY: PWH
DRAWN BY: LMM
REVIEWED BY: JML
BSM

PLAN C.R. 73
STA. 51+00 TO STA. 56+00

LUC. C.R. NO. 73
McCORD ROAD

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MATCH LINE STA. 51+00

MATCH LINE STA. 56+00

1+40 (51+22, 45'Lt.)
4.0'~6" Riser
6" GPK Deep Socket
6"~45" Bend
15'~6" (C) Service @ 1.0%
FL 6" = 647.19

2+69 (52+51)
2+88 (52+70, 45'Lt.)
3.0'~6" Riser
6"~45" Bend
15'~6" (C) Service @ 1.0%
FL 6" = 646.78

52+04
Sta. 52+86, 45'Lt.
MH No. 2, Type
2 Standard Manhole
8" N, S

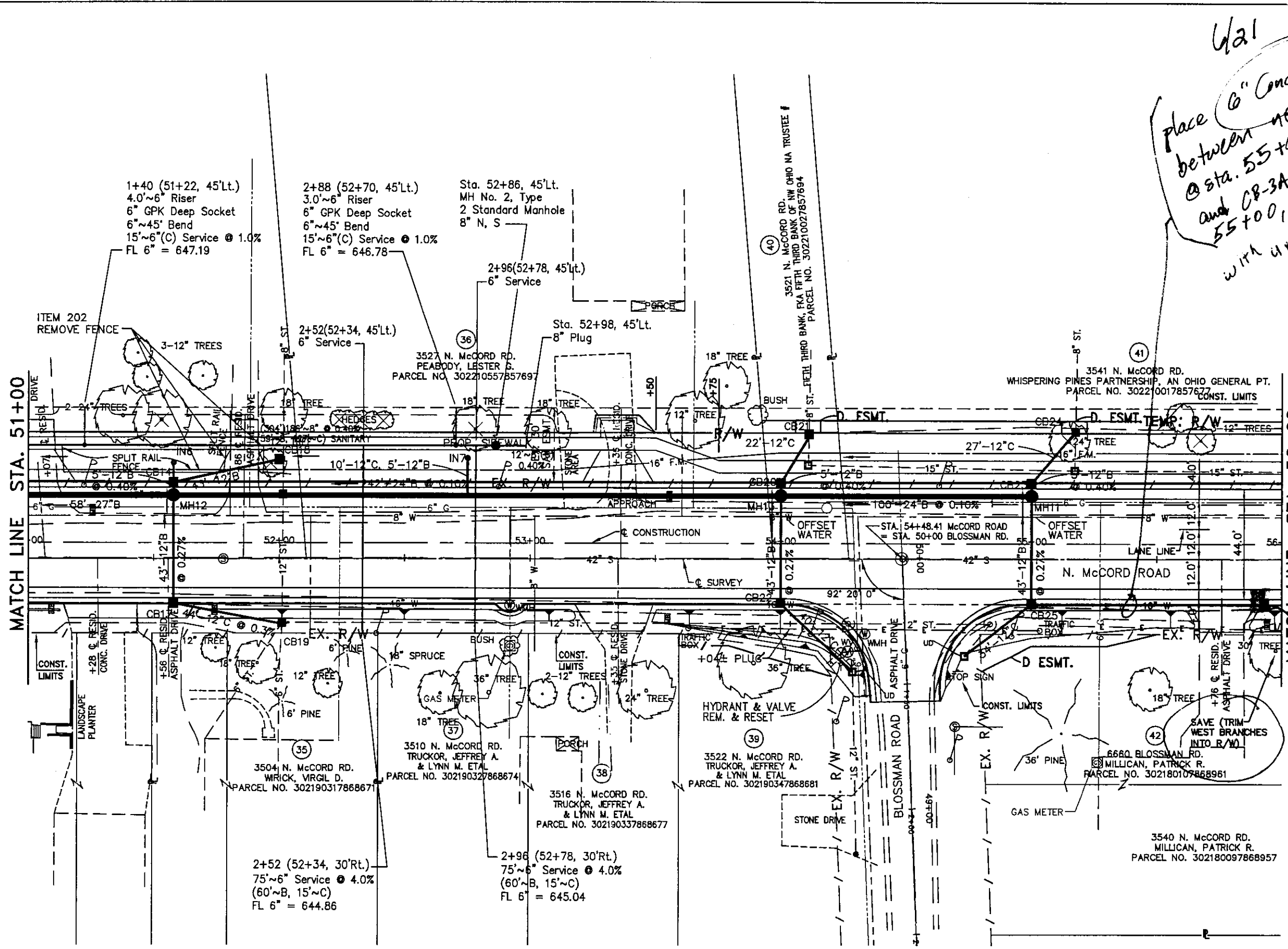
2+75 (52+57)
2+96 (52+78, 45'Lt.)
6" Service
4'~6" Riser
1~6" GPK Deep Socket
6"~45" Bend
15'~6" (C) Service
8" Plug

2+32 (52+14)
2+52 (52+34, 45'Lt.)
6" Service
4'~6" Riser
1~6" GPK Deep Socket
6"~45" Bend

2+32 (52+14)
2+52 (52+34, 30'Rt.)
75'~6" Service @ 4.0%
(60'~B, 15'~C)
FL 6" = 644.86

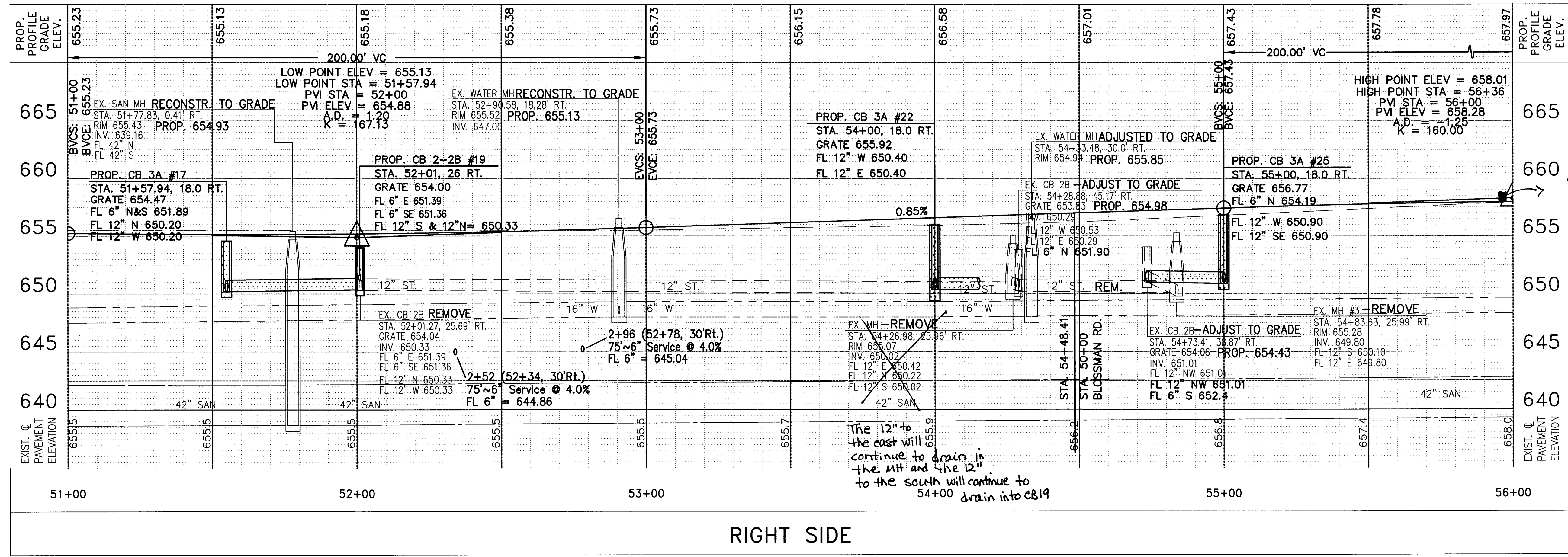
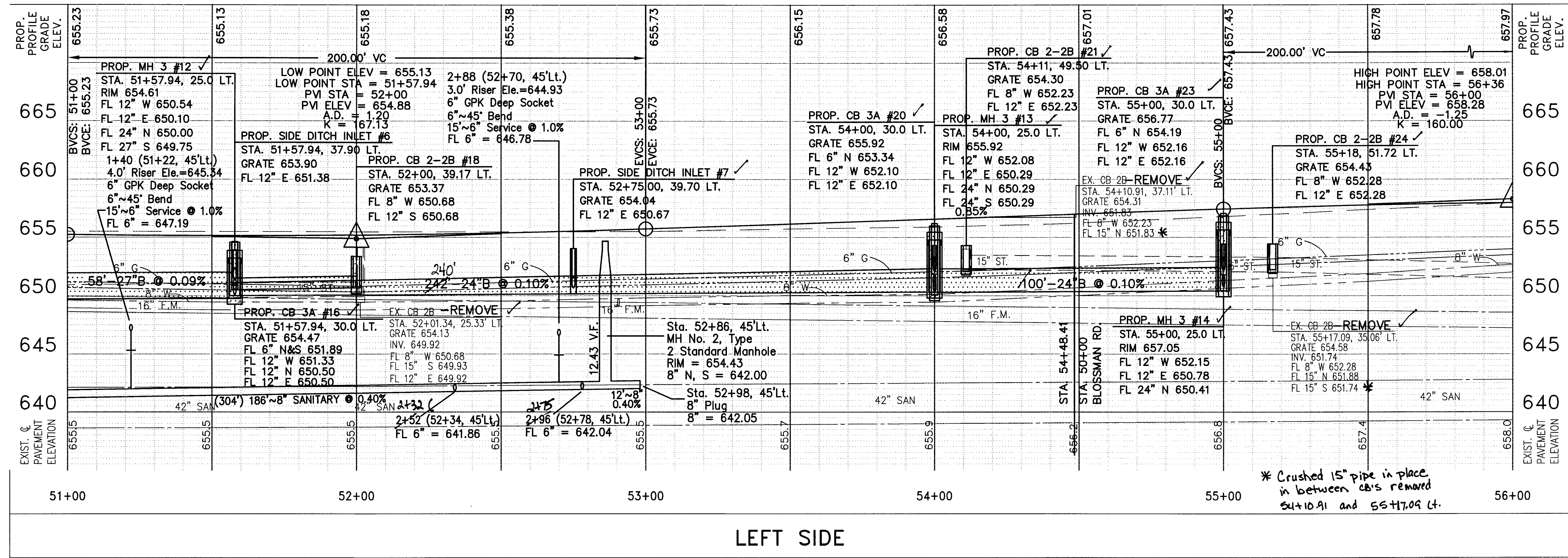
2+75 (52+57)
2+96 (52+78, 30'Rt.)
75'~6" Service @ 4.0%
(60'~B, 15'~C)
FL 6" = 645.04

See attached Plan for additional CB & connections



W21
 place 6" Conduit, Type 8
 @ sta. 55+93, 18' Rt.
 and CB-3A @ sta.
 55+00, 18' Rt.
 with under
 draw
 N x S

SCALE:	0'	20'	40'
DESIGNED BY:	JML	DRWN BY:	LMN
CHECKED BY:	PWH	DATE:	
APPROVED BY:	BSM		
PLAN C.R. 73			
STA. 51+00 TO STA. 56+00			
LUC. C.R. NO. 73			
McCord Road			
(27)			
(107)			

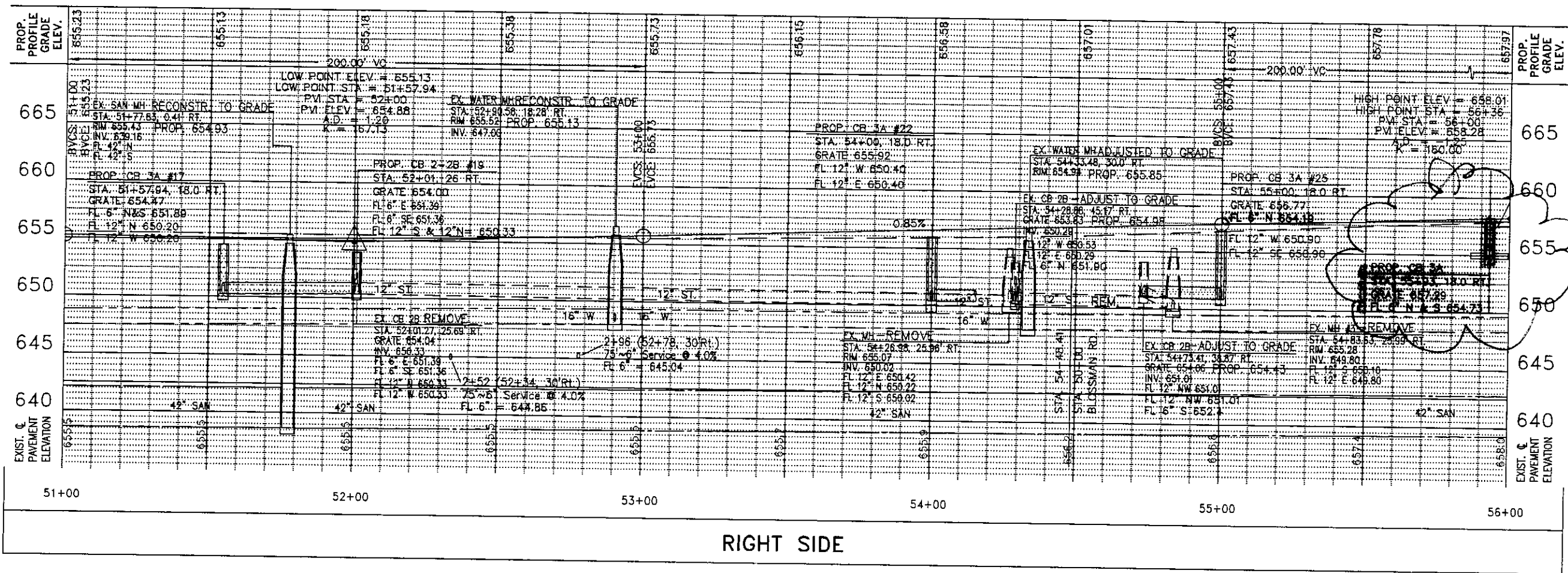
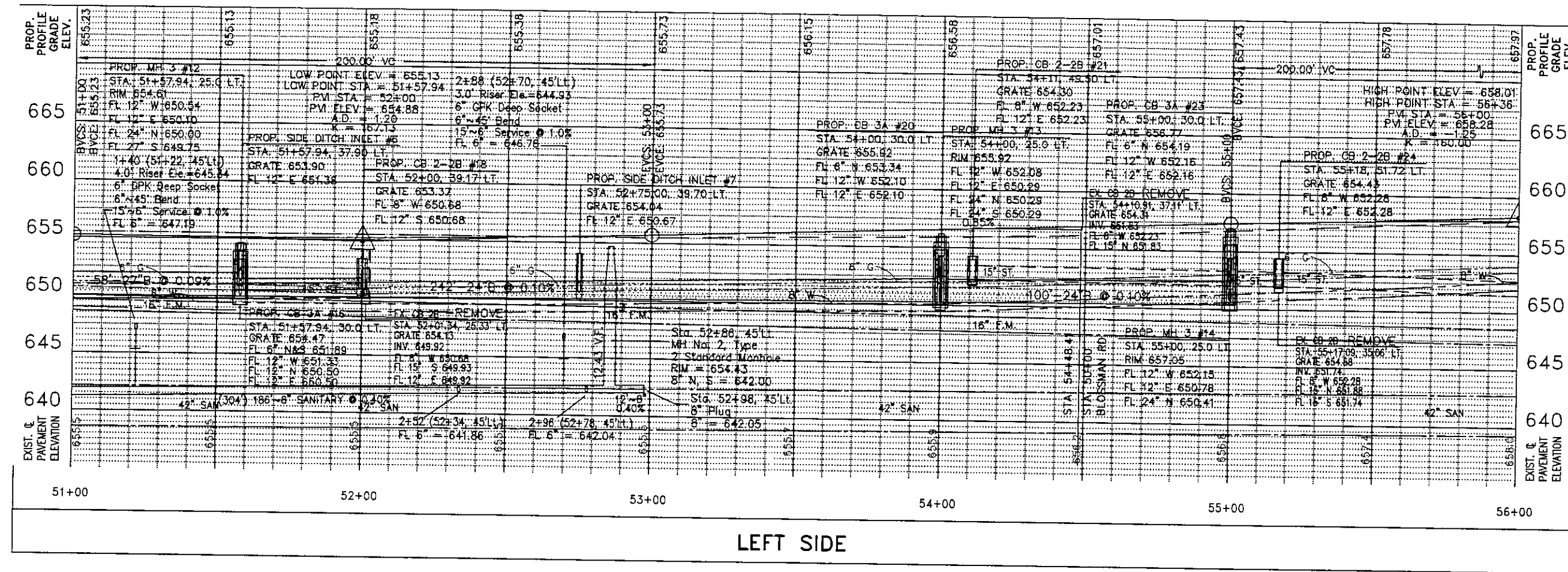


DESIGNED BY: JML
 REVISED BY: JML
 DRAWN BY: BSM
 CHECKED BY: LMM

PROFILE C.R.73
 STA. 51+00 TO STA. 56+00

LUC. C.R. NO. 73
 MCCORD ROAD

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PROFILE C.R.73
 STA. 51+00 TO STA. 56+00

LUC. C.R. NO. 73
 McCORD ROAD

REVISIONS:
 DESIGNED BY: JML
 CHECKED BY: PWH
 DRAWN BY: BSM
 DATE: 10/10/00

SCALE: 1" = 10'

28
 107

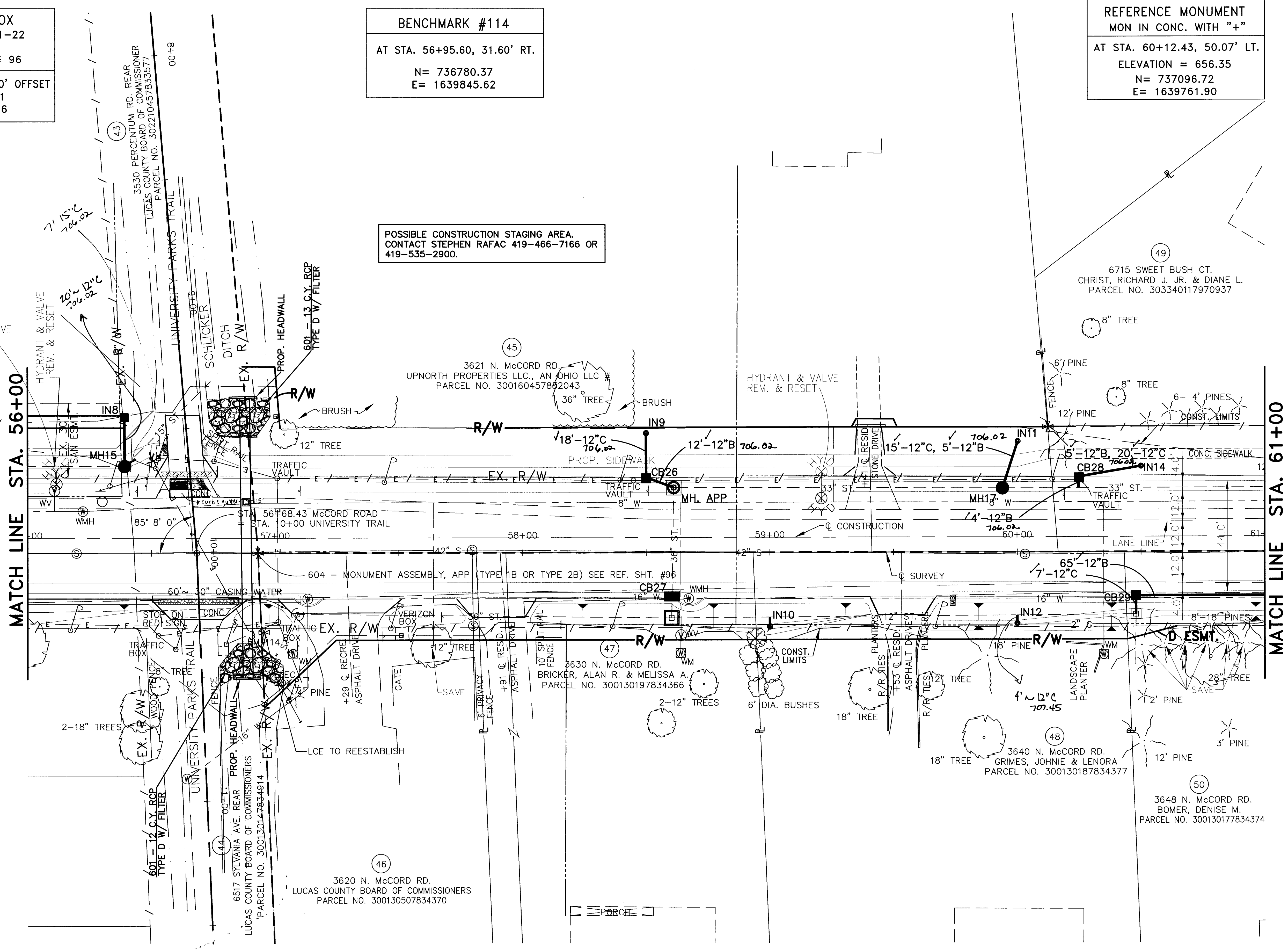
MONUMENT BOX
 1/4 COR. SEC 21-22
 T9S R6E
 SEE REF. SHT. # 96
 AT STA. 56+93.20, 0.0' OFFSET
 N= 736777.81
 E= 1639813.96

BENCHMARK #114
 AT STA. 56+95.60, 31.60' RT.
 N= 736780.37
 E= 1639845.62

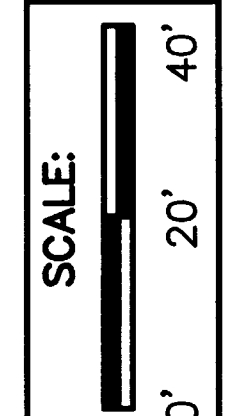
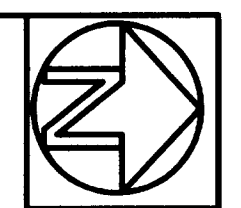
REFERENCE MONUMENT
 MON IN CONC. WITH "+"
 AT STA. 60+12.43, 50.07' LT.
 ELEVATION = 656.35
 N= 737096.72
 E= 1639761.90

POSSIBLE CONSTRUCTION STAGING AREA.
 CONTACT STEPHEN RAFAC 419-466-7166 OR
 419-535-2900.

See 750-76
 for curb info
 around signal pole



NOTE:
 (*) - ADJUST VALVE AND RELOCATE HYDRANT

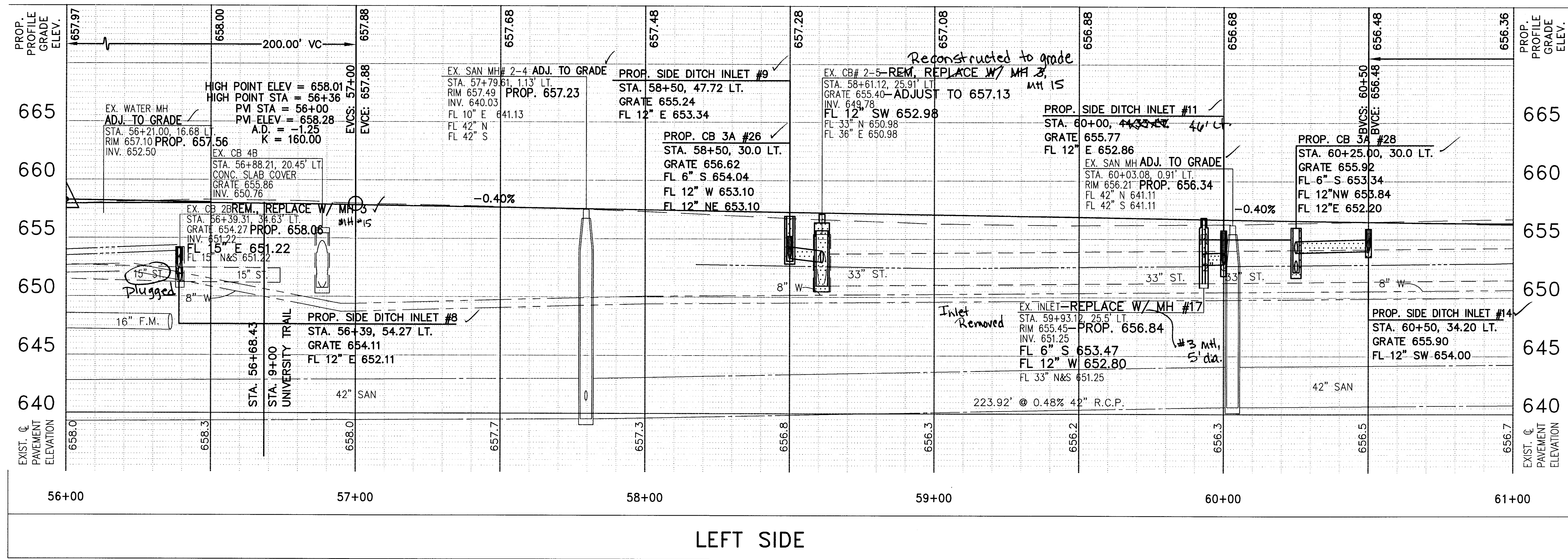


DESIGNED BY	PWH
DRAWN BY	LMW
CHECKED BY	JML
DATE	BSM

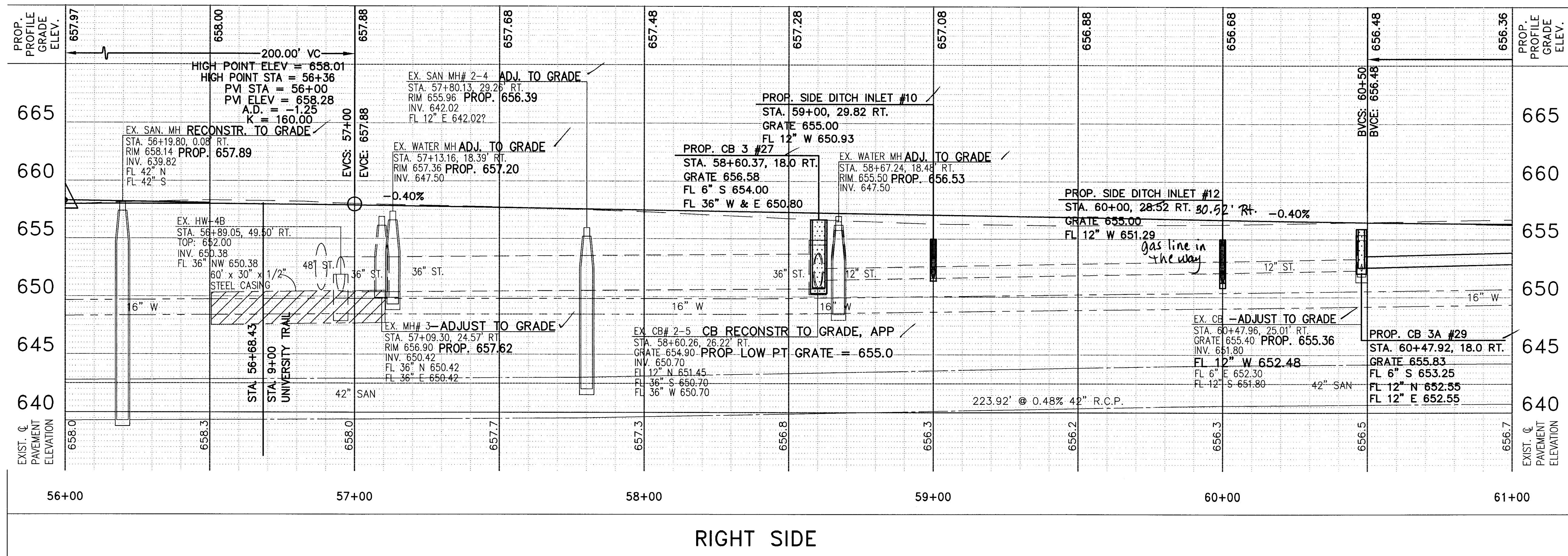
PLAN C.R. 73
 STA. 56+00 TO STA. 61+00

LUC. C.R. NO. 73
 MCCORD ROAD

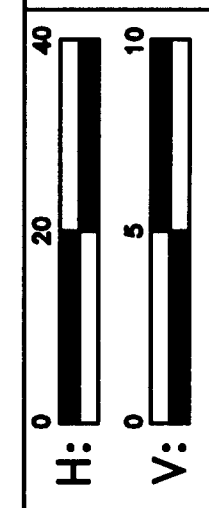
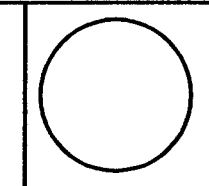
29
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LEFT SIDE



RIGHT SIDE

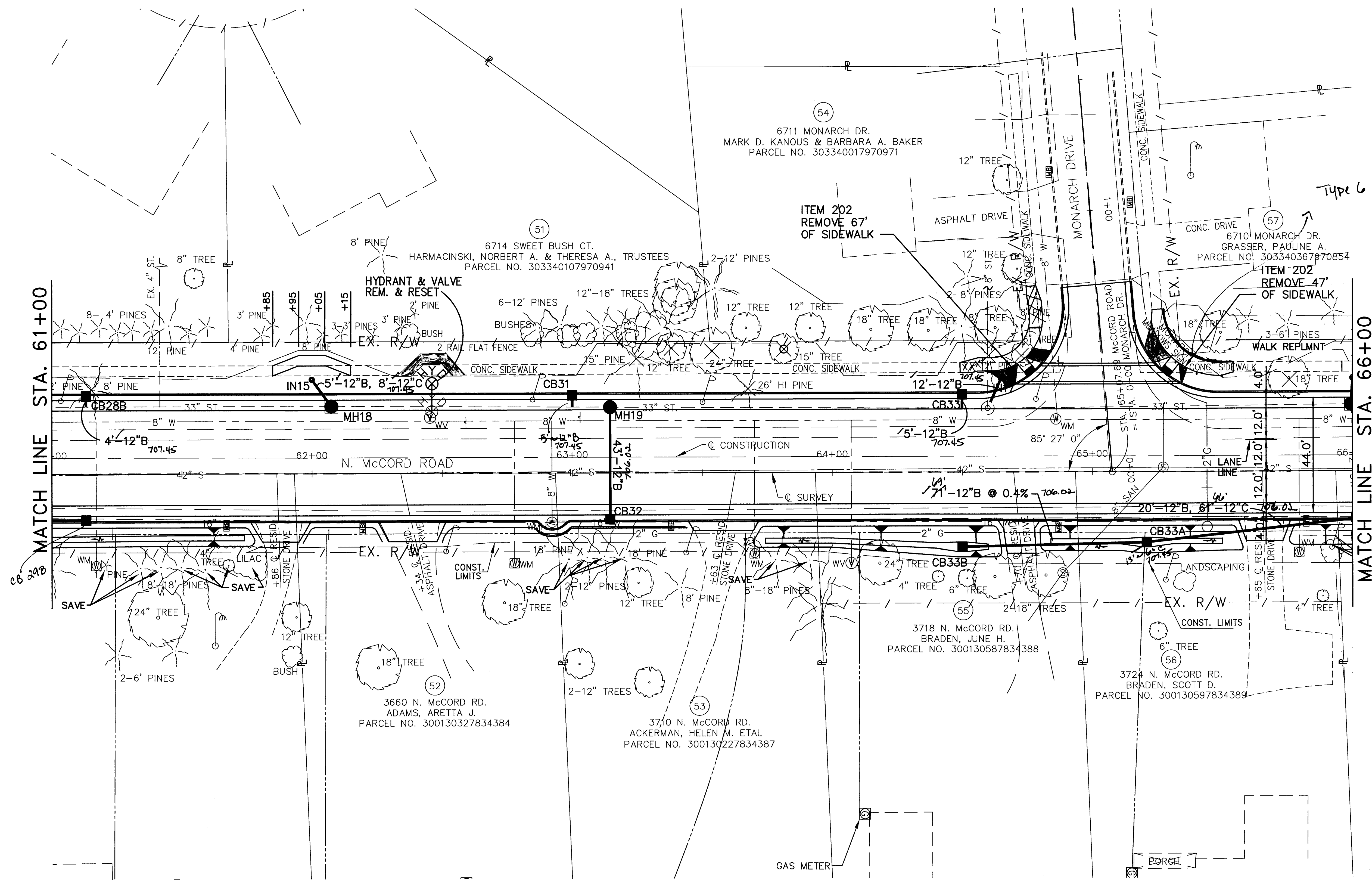


DESIGNED BY: PWH
 REVISION BY: JML
 DRAWN BY: LMM
 BSM

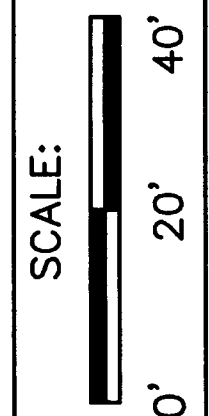
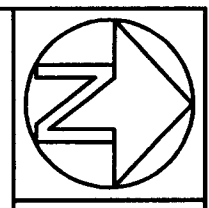
PROFILE C.R.73
 STA. 56+00 TO STA. 61+00

LUC. C.R. NO. 73
 McCORD ROAD

30
 107



NOTE:
 (*) - ADJUST VALVE AND RELOCATE HYDRANT



DESIGNED BY: JML
 DRAWN BY: BSM
 DESIGNED BY: PWH
 DRAWN BY: LMM

PLAN C.R. 73
 STA. 61+00 TO STA. 66+00

LUC. C.R. NO. 73
 McCord Road

31
 107

Type 6 curb = 36'

ITEM 202
 REMOVE 67'
 OF SIDEWALK

ITEM 202
 REMOVE 47'
 OF SIDEWALK

6714 SWEET BUSH CT.
 HARMACINSKI, NORBERT A. & THERESA A., TRUSTEES
 PARCEL NO. 303340107970941

6711 MONARCH DR.
 MARK D. KANOUS & BARBARA A. BAKER
 PARCEL NO. 303340017970971

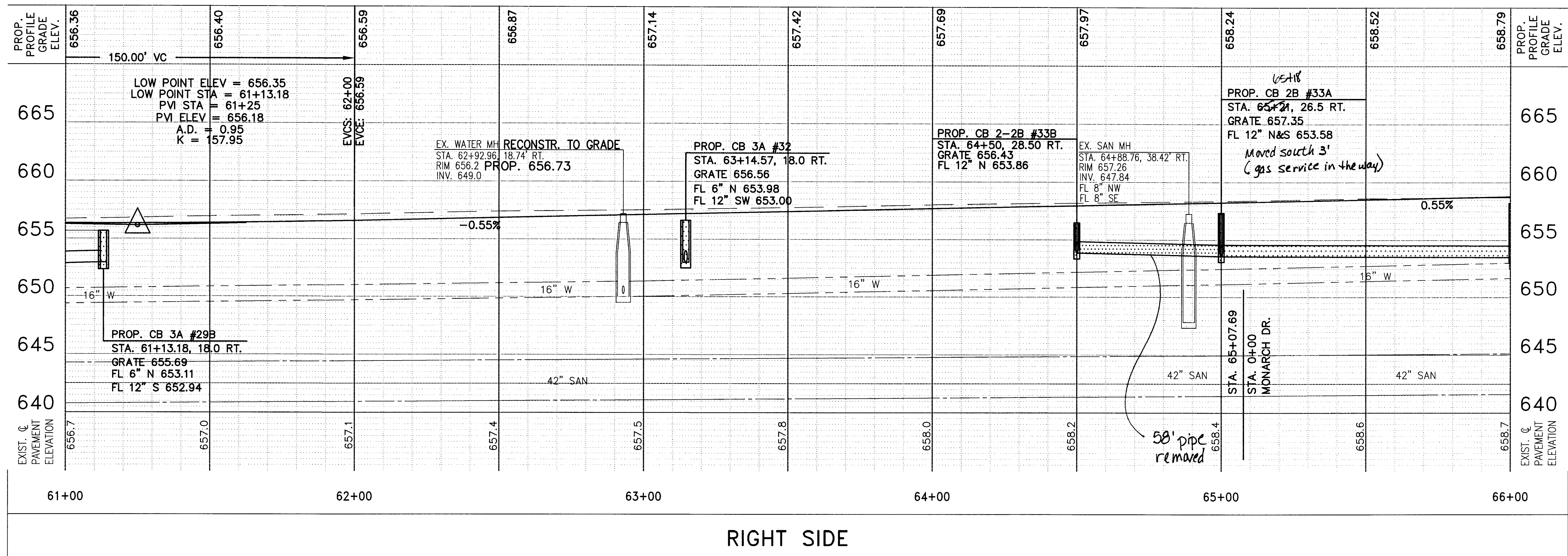
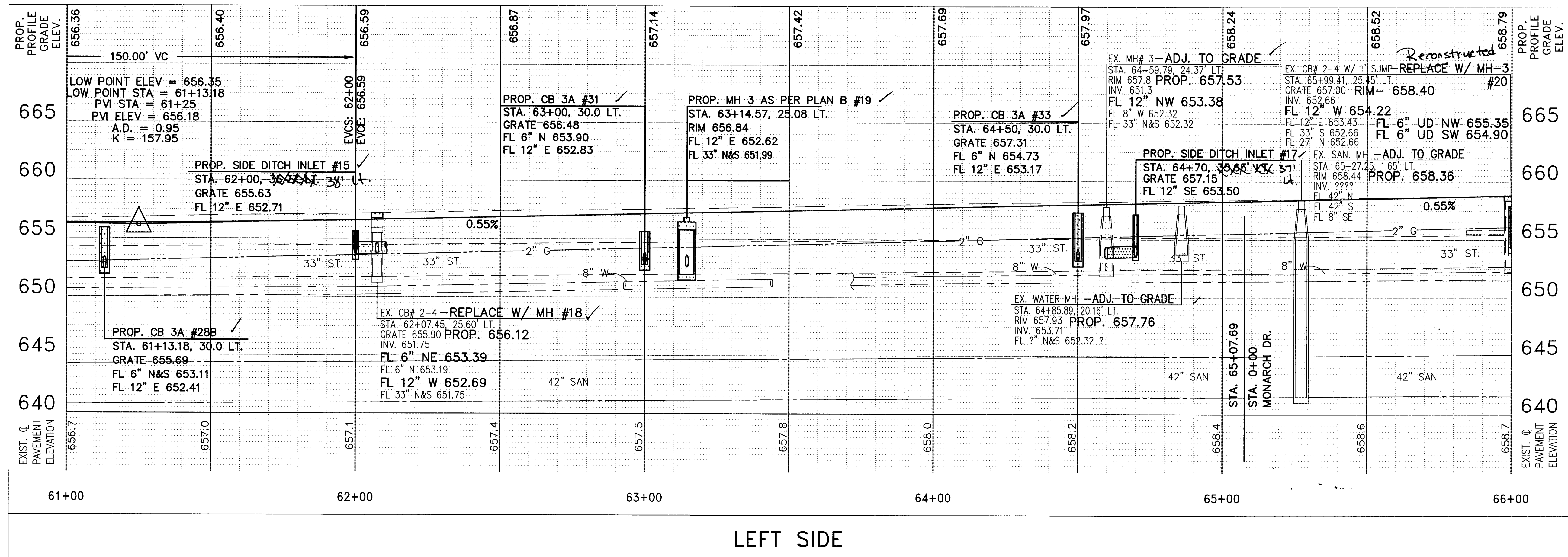
6710 MONARCH DR.
 GRASSER, PAULINE A.
 PARCEL NO. 303340367970854

3660 N. McCORD RD.
 ADAMS, ARETTA J.
 PARCEL NO. 300130327834384

3710 N. McCORD RD.
 ACKERMAN, HELEN M. ETAL
 PARCEL NO. 300130227834387

3718 N. McCORD RD.
 BRADEN, JUNE H.
 PARCEL NO. 300130587834388

3724 N. McCORD RD.
 BRADEN, SCOTT D.
 PARCEL NO. 300130597834389



PROFILE C.R. 73
STA. 61+00 TO STA. 66+00

LUC. C.R. NO. 73
McCord Road

DESIGNED BY: PWH

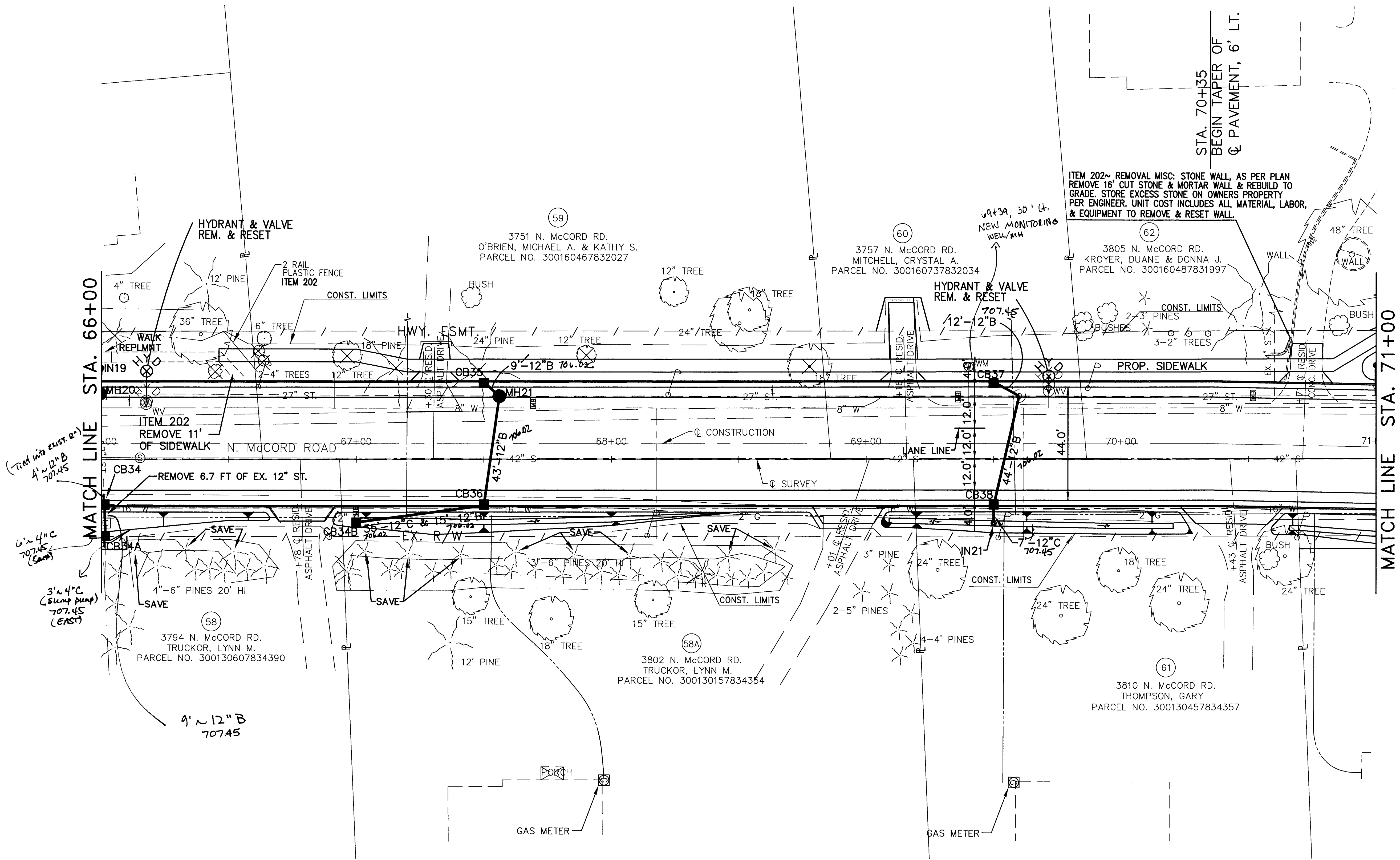
DRAWN BY: BSM

REVISED BY: JML

DATE: 10/10/10

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NOTE:
 (*) - ADJUST VALVE AND RELOCATE HYDRANT

ITEM 202- REMOVAL MISC: STONE WALL, AS PER PLAN REMOVE 16' CUT STONE & MORTAR WALL & REBUILD TO GRADE. STORE EXCESS STONE ON OWNERS PROPERTY PER ENGINEER. UNIT COST INCLUDES ALL MATERIAL, LABOR, & EQUIPMENT TO REMOVE & RESET WALL.

STA. 70+35
 BEGIN TAPER OF
 C/P AVENUE, 6' LT.

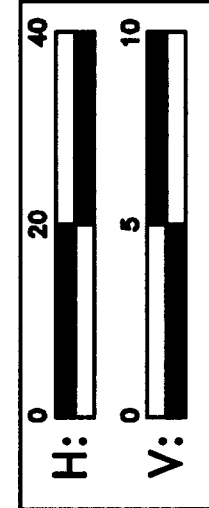
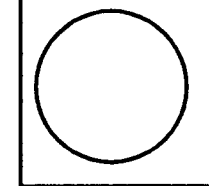
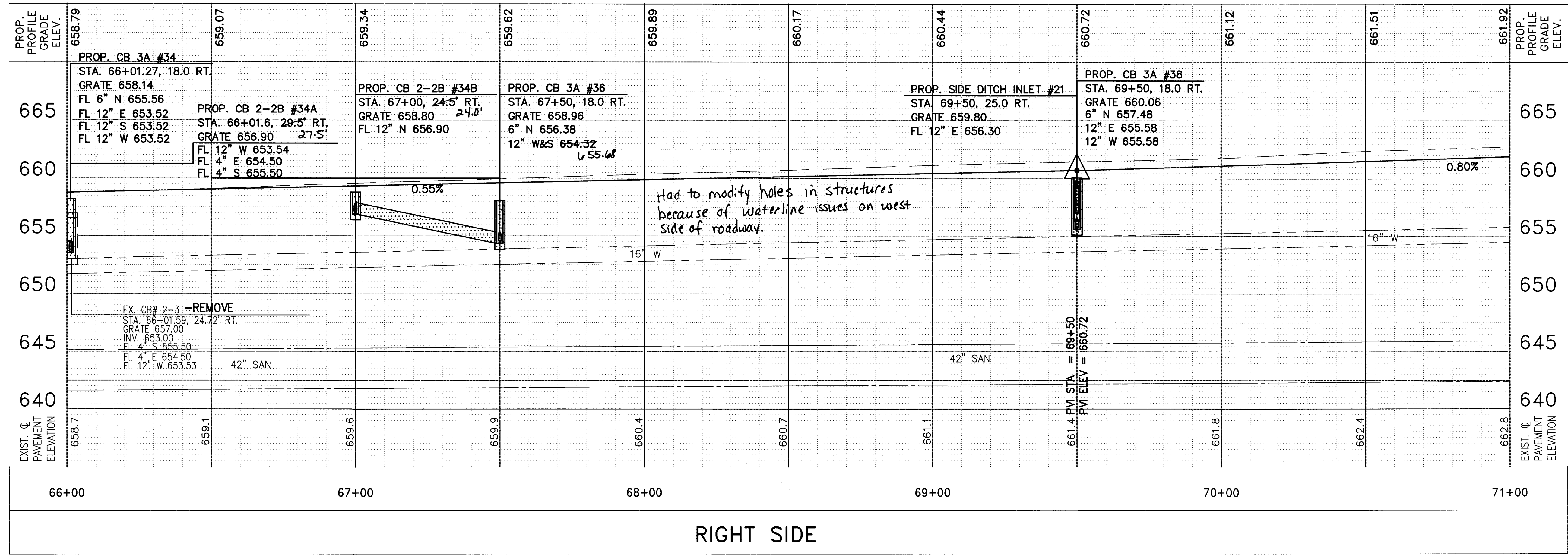
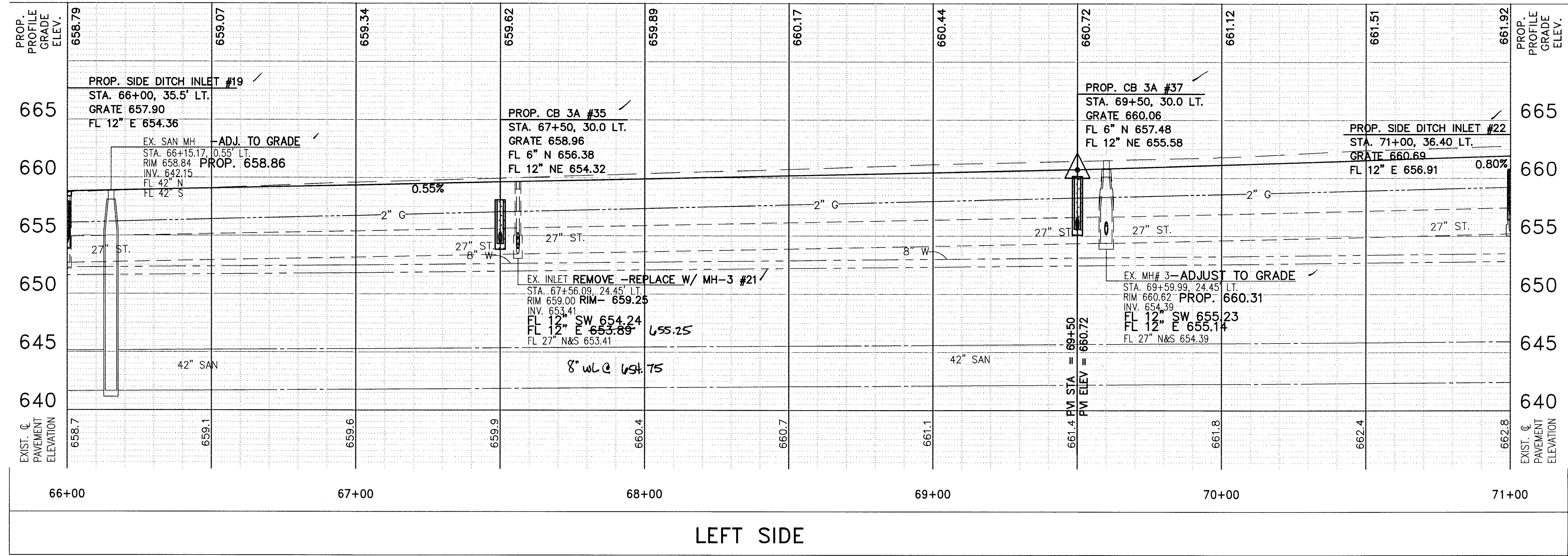
DESIGNED BY: PWH
 DRAWN BY: LMM
 REVISIONS BY: JML
 BSM

PLAN C.R. 73
 STA. 66+00 TO STA. 71+00

LUC. C.R. NO. 73
 McCORD ROAD

SCALE: 1" = 20' 40'

33
 107



DESIGNED BY: PWL
 DRAWN BY: LMM
 REVISION BY: JML
 DRAWN BY: BSM

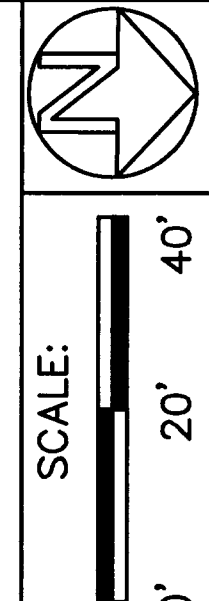
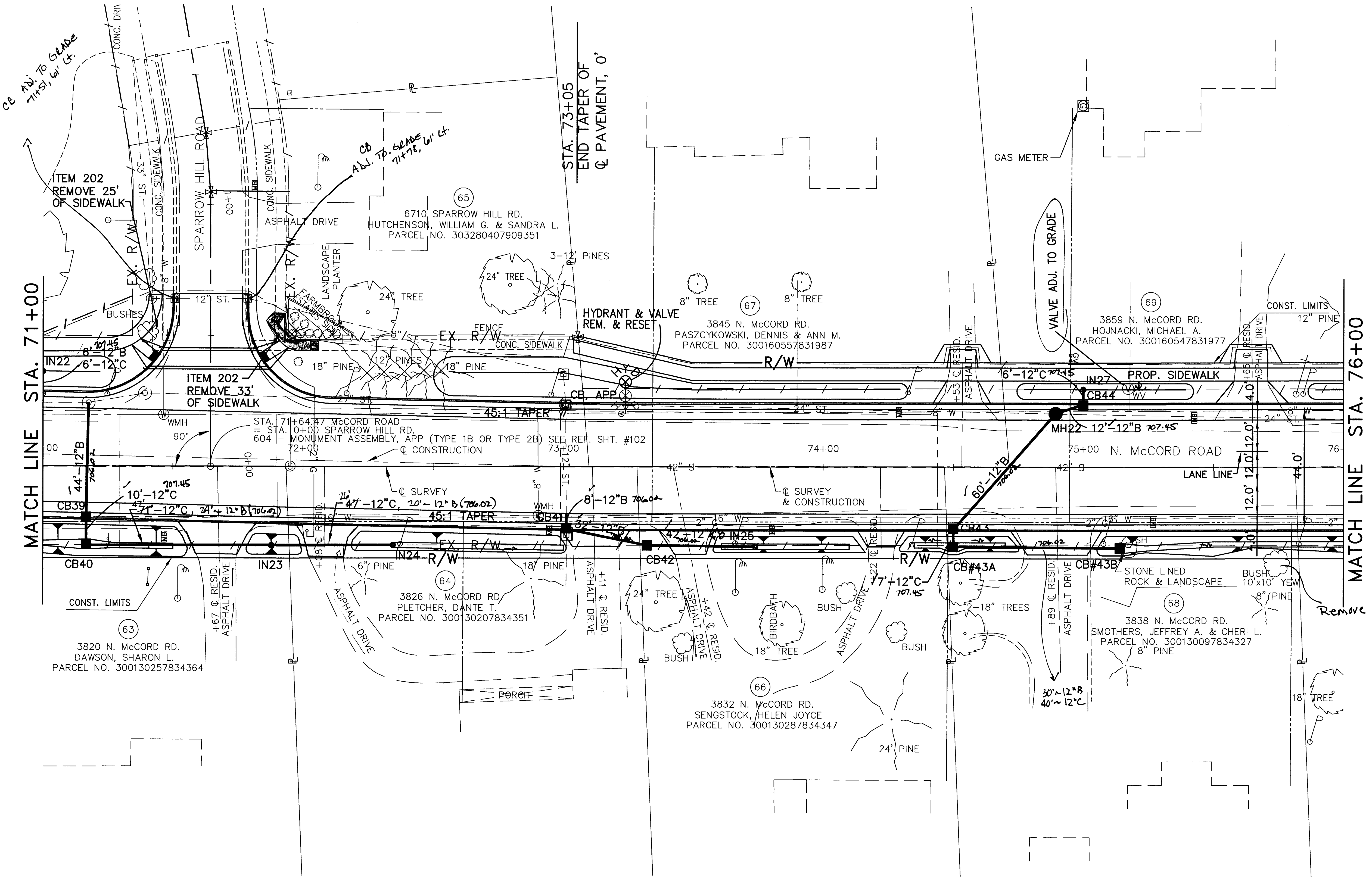
PROFILE C.R.73
 STA. 66+00 TO STA. 71+00

LUC. C.R. NO. 73
 MCCORD ROAD

CENTERLINE MONUMENT
I-BOLT IN CONCRETE
AT STA. 71+62.69, 127.33' LT.
ELEVATION = 662.06
N= 738246.47
E= 1639677.47

CENTERLINE MONUMENT
I-BOLT IN CONCRETE
AT STA. 71+64.60, 104.79' LT.
ELEVATION = 661.72
N= 738248.52
E= 1639699.99

MONUMENT
AT STA. 73+05.55, 49.72' LT.
ELEVATION = 663.44
N= 738389.82
E= 1639754.19



DESIGNED BY: PWH
REVISED BY: JML
DRAWN BY: BSM
LMM

PLAN C.R. 73
STA. 71+00 TO STA. 76+00

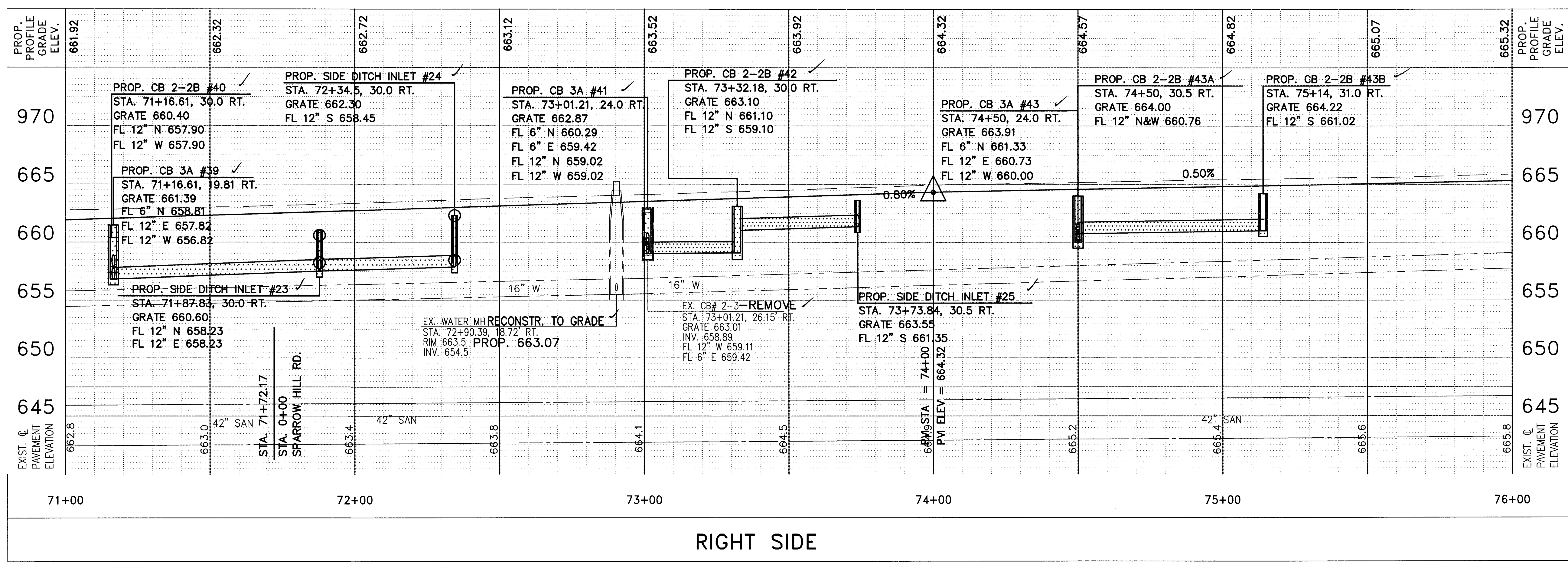
LUC. C.R. NO. 73
McCord Road

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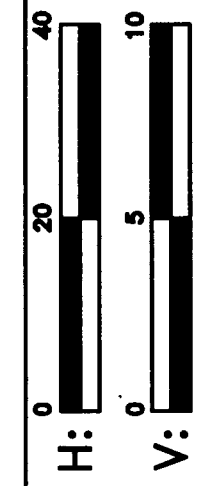
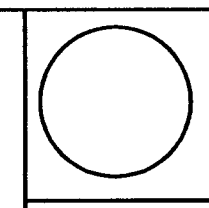
NOTE:
(*) - ADJUST VALVE AND RELOCATE HYDRANT



LEFT SIDE



RIGHT SIDE

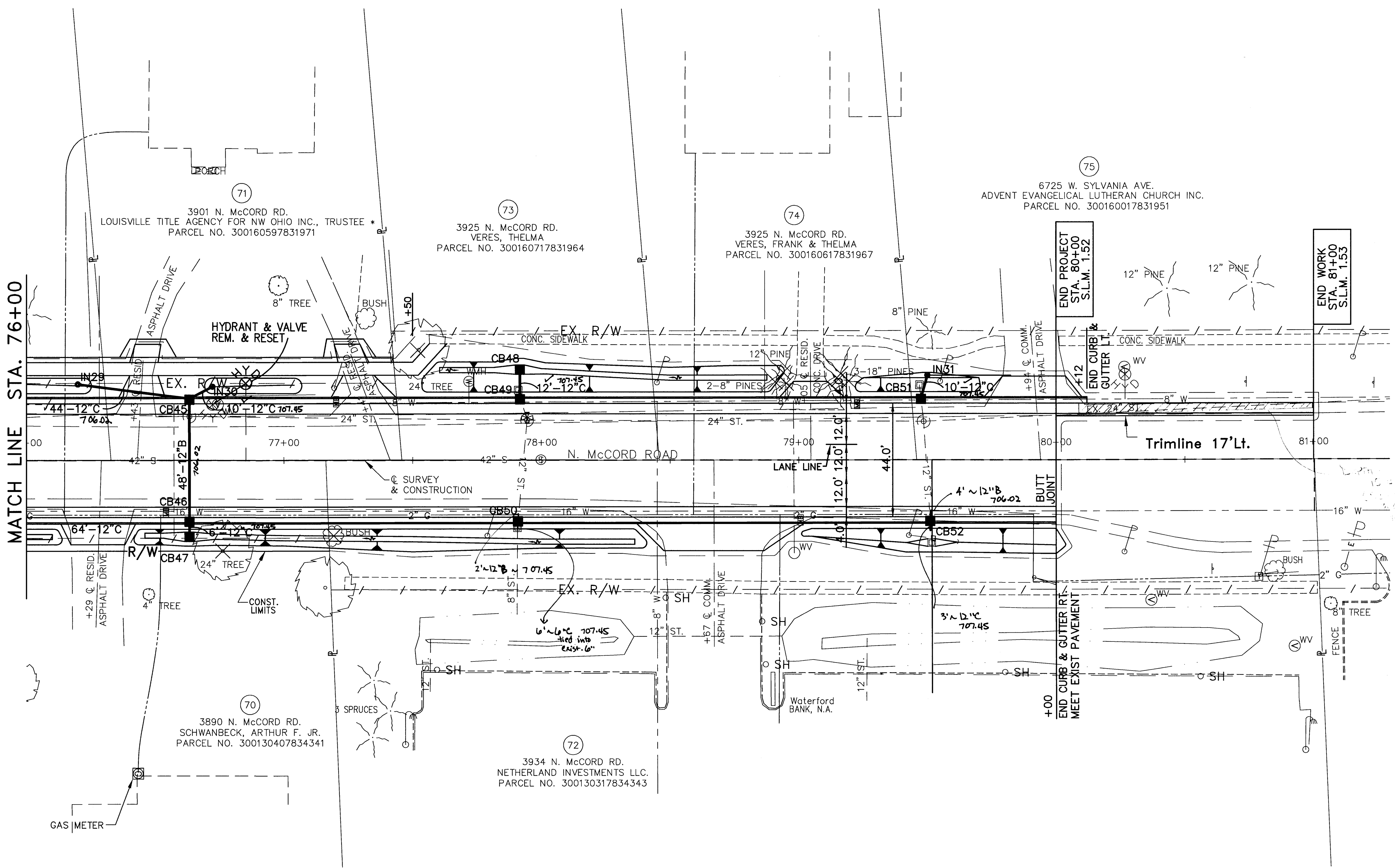


DESIGNED BY: PWH
 DRAWN BY: LMM
 REVISION BY: JML
 DRAWN BY: BSM

PROFILE C.R. 73
 STA. 71+00 TO STA. 76+00

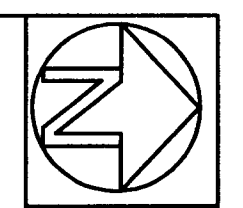
LUC. C.R. NO. 73
 McCORD ROAD

MONUMENT BOX
 AT STA. 77+94.44, 16.48' LT.
 ELEVATION = 666.80
 N= 738878.91
 E= 1639784.38



MATCH LINE STA. 76+00

W/100



SCALE:
 0' 20' 40'

DESIGNED BY: PWH
 DRAWN BY: LMM
 REVISED BY: JML
 DRAWN BY: BSM

PLAN C.R. 73
 STA. 76+00 TO STA. 81+00

LUC. C.R. NO. 73
 McCORD ROAD

37
 107

3901 N. McCORD RD.
 LOUISVILLE TITLE AGENCY FOR NW OHIO INC., TRUSTEE *
 PARCEL NO. 300160597831971

3925 N. McCORD RD.
 VERES, THELMA
 PARCEL NO. 300160717831964

3925 N. McCORD RD.
 VERES, FRANK & THELMA
 PARCEL NO. 300160617831967

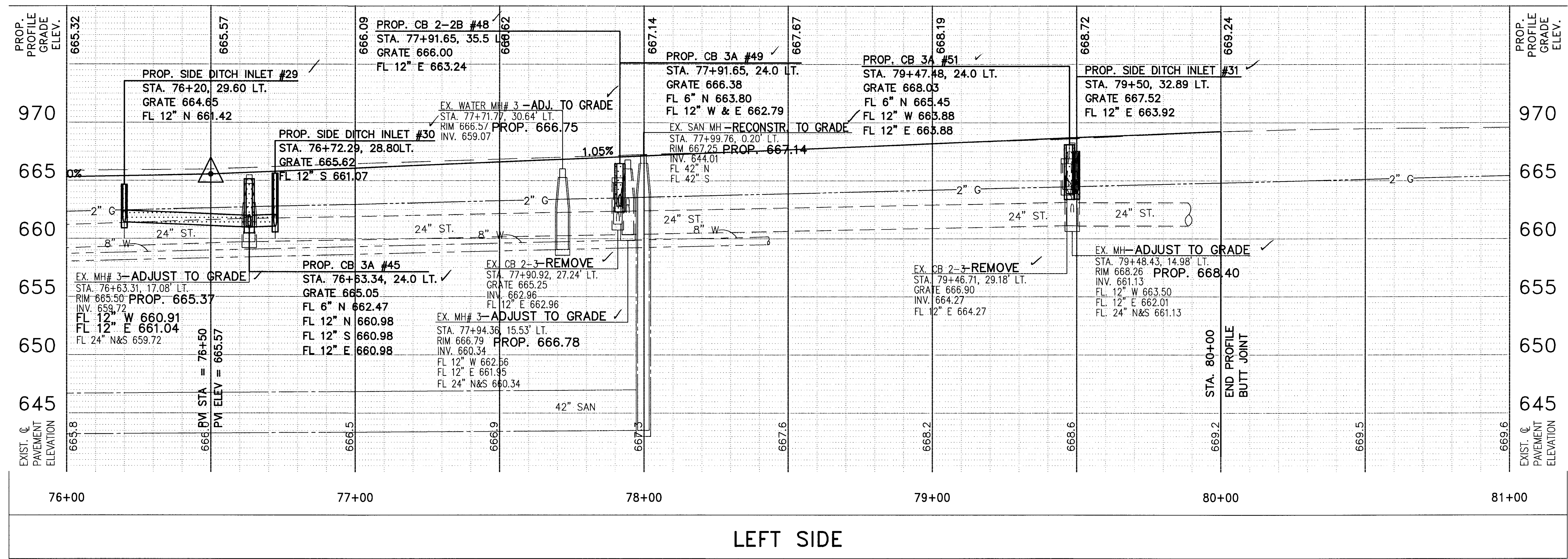
6725 W. SYLVANIA AVE.
 ADVENT EVANGELICAL LUTHERAN CHURCH INC.
 PARCEL NO. 300160017831951

3890 N. McCORD RD.
 SCHWANBECK, ARTHUR F. JR.
 PARCEL NO. 300130407834341

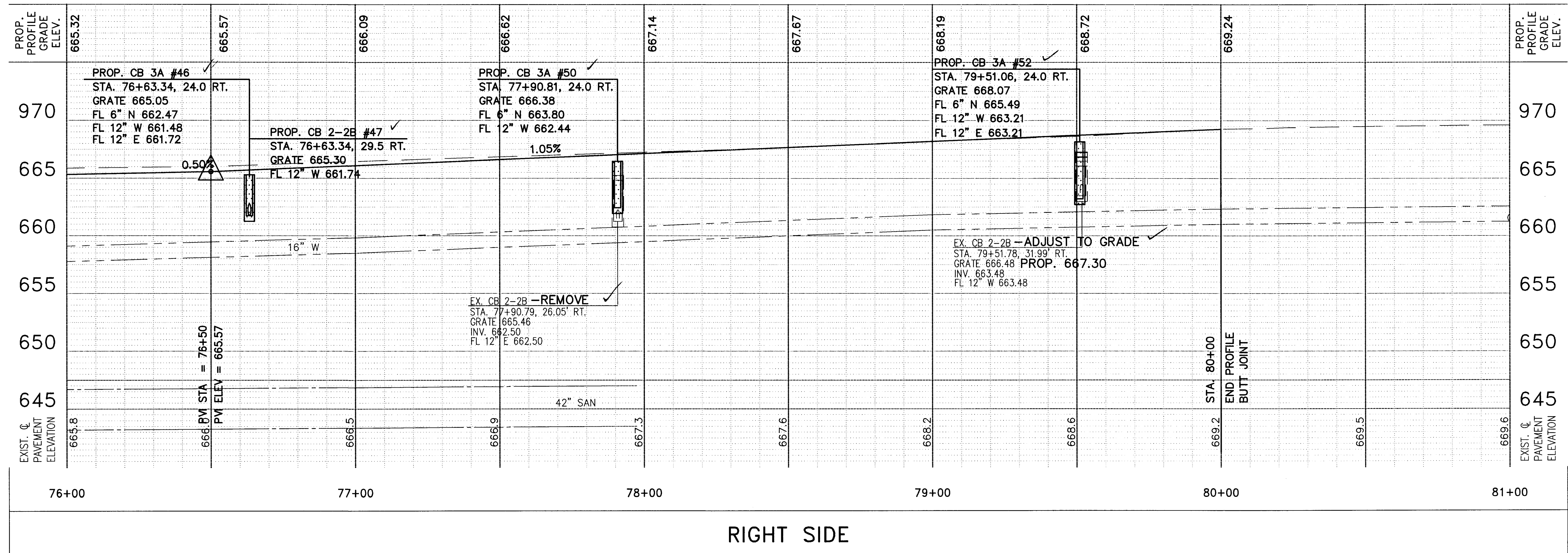
3934 N. McCORD RD.
 NETHERLAND INVESTMENTS LLC.
 PARCEL NO. 300130317834343

END PROJECT
 STA. 80+00
 S.L.M. 1.52

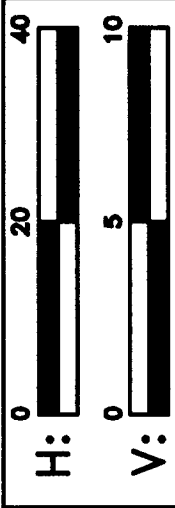
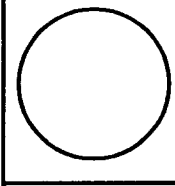
END WORK
 STA. 81+00
 S.L.M. 1.53



LEFT SIDE



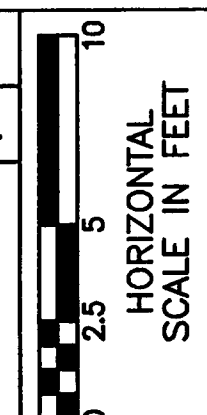
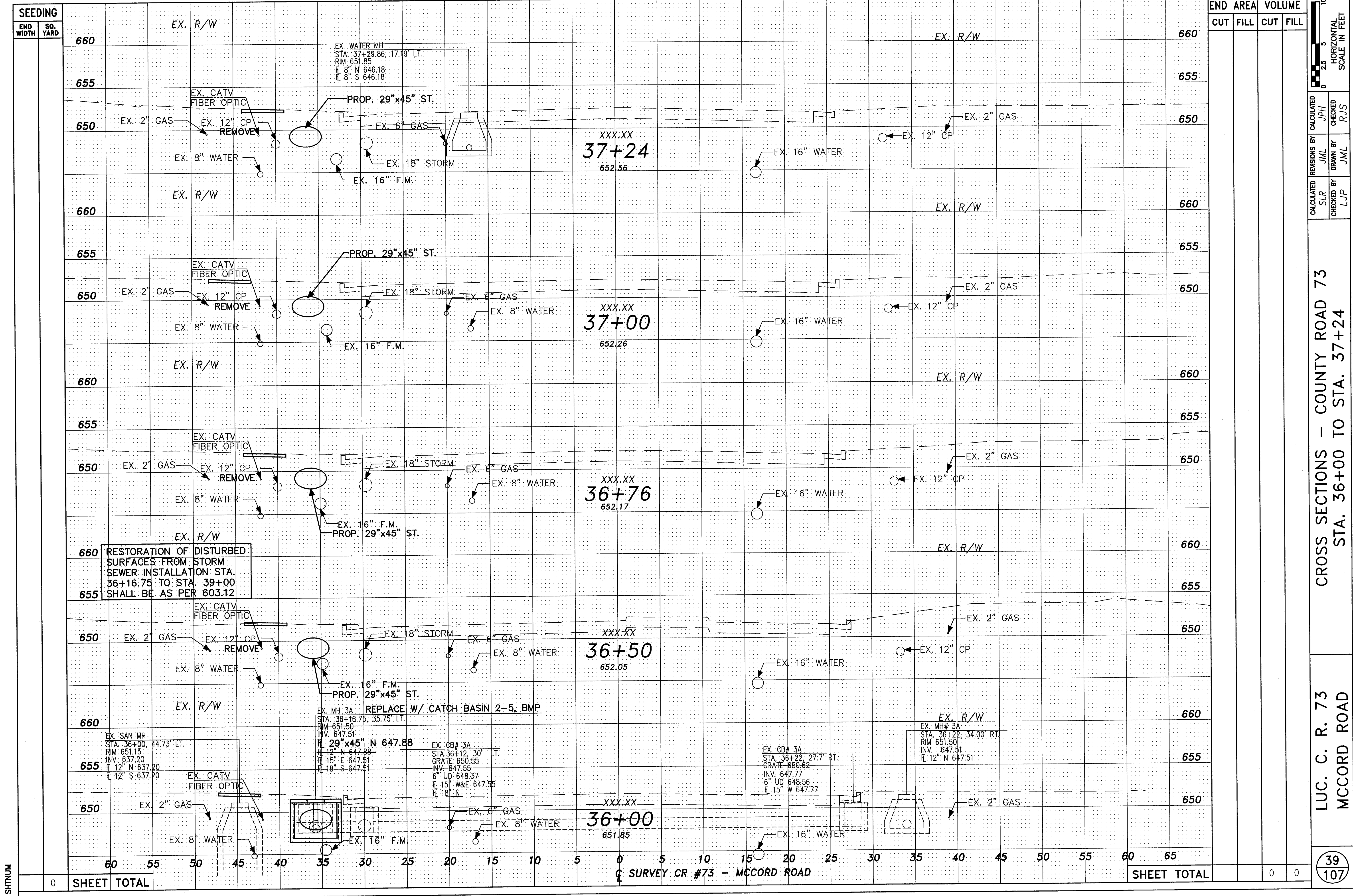
RIGHT SIDE



DESIGNED BY: PWH
 DRAWN BY: LMM
 REVISION BY: JML
 DRAWN BY: BSM

PROFILE C.R.73
 STA. 76+00 TO STA. 81+00

LUC. C.R. NO. 73
 MCCORD ROAD



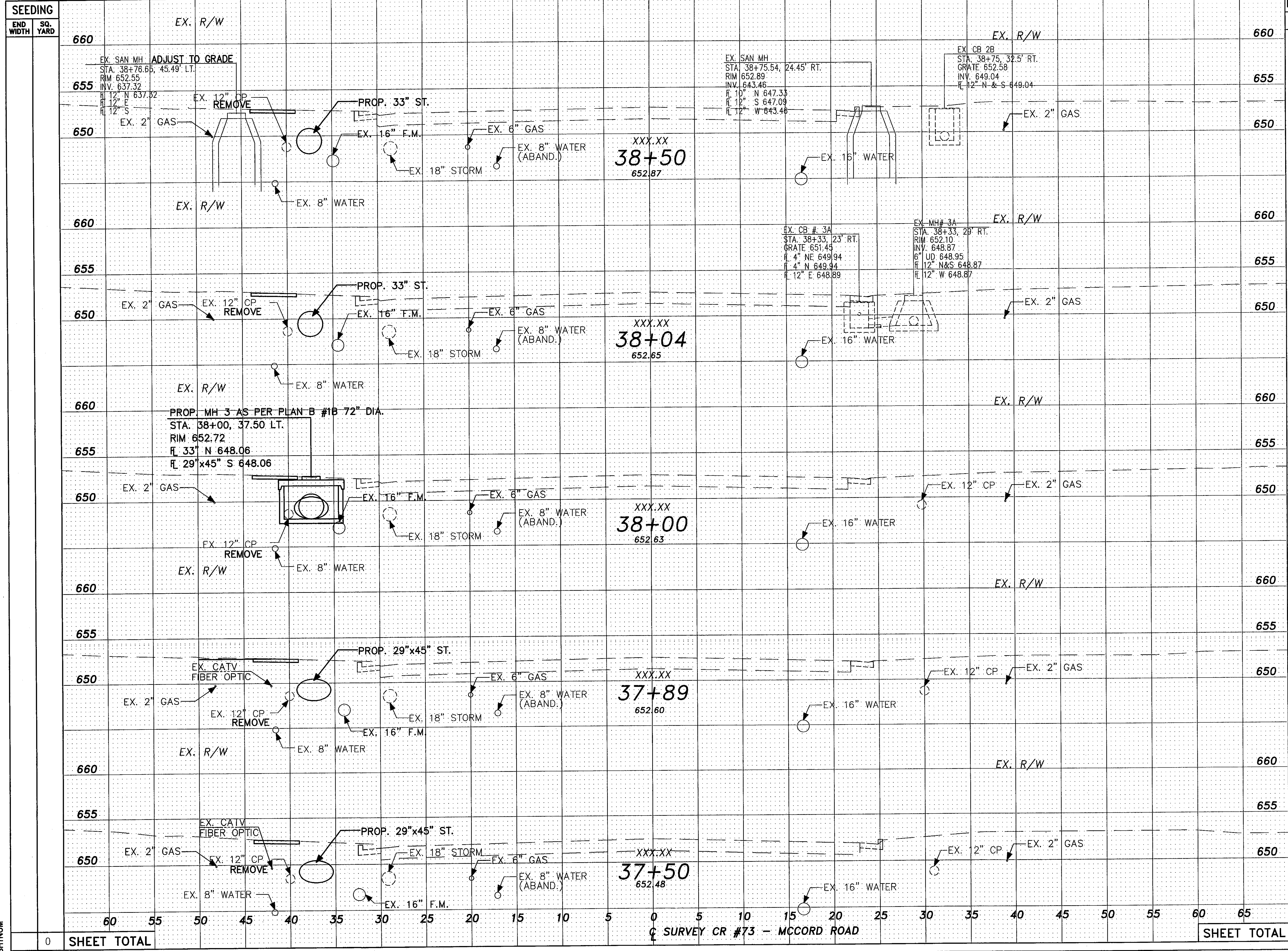
REVISIONS BY
CALCULATED BY JPH
CHECKED BY RJS
DRAWN BY JML
JML

CROSS SECTIONS - COUNTY ROAD 73
STA. 36+00 TO STA. 37+24

LUC. C. R. 73
MCCORD ROAD

SEEDING	END WIDTH	SQ. YARD
660	60	55
655	55	50
650	50	45
660	45	40
655	40	35
650	35	30
660	30	25
655	25	20
650	20	15
660	15	10
655	10	5
650	5	0
660	0	5
655	5	10
650	10	15
660	15	20
655	20	25
650	25	30
660	30	35
655	35	40
650	40	45
660	45	50
655	50	55
650	55	60
660	60	65

STATION	END AREA CUT	END AREA FILL	VOLUME CUT	VOLUME FILL
36+00	0	0	0	0
36+50	0	0	0	0
37+00	0	0	0	0
37+24	0	0	0	0
SHEET TOTAL	0	0	0	0



END AREA	VOLUME	CUT	FILL	CUT	FILL	REVISIONS BY		CALCULATED	CHECKED BY
						JML	JML		
						JPH	JPH	JLP	LJP
						RJS	RJS		

0	5	10	15	20	25	30	35	40	45	50	55	60	65
SHEET TOTAL													

0	5	10	15	20	25	30	35	40	45	50	55	60	65
SHEET TOTAL													

0	5	10	15	20	25	30	35	40	45	50	55	60	65
SHEET TOTAL													

CROSS SECTIONS - COUNTY ROAD 73
STA. 37+50 TO STA. 38+50

LUC. C. R. 73
MCCORD ROAD

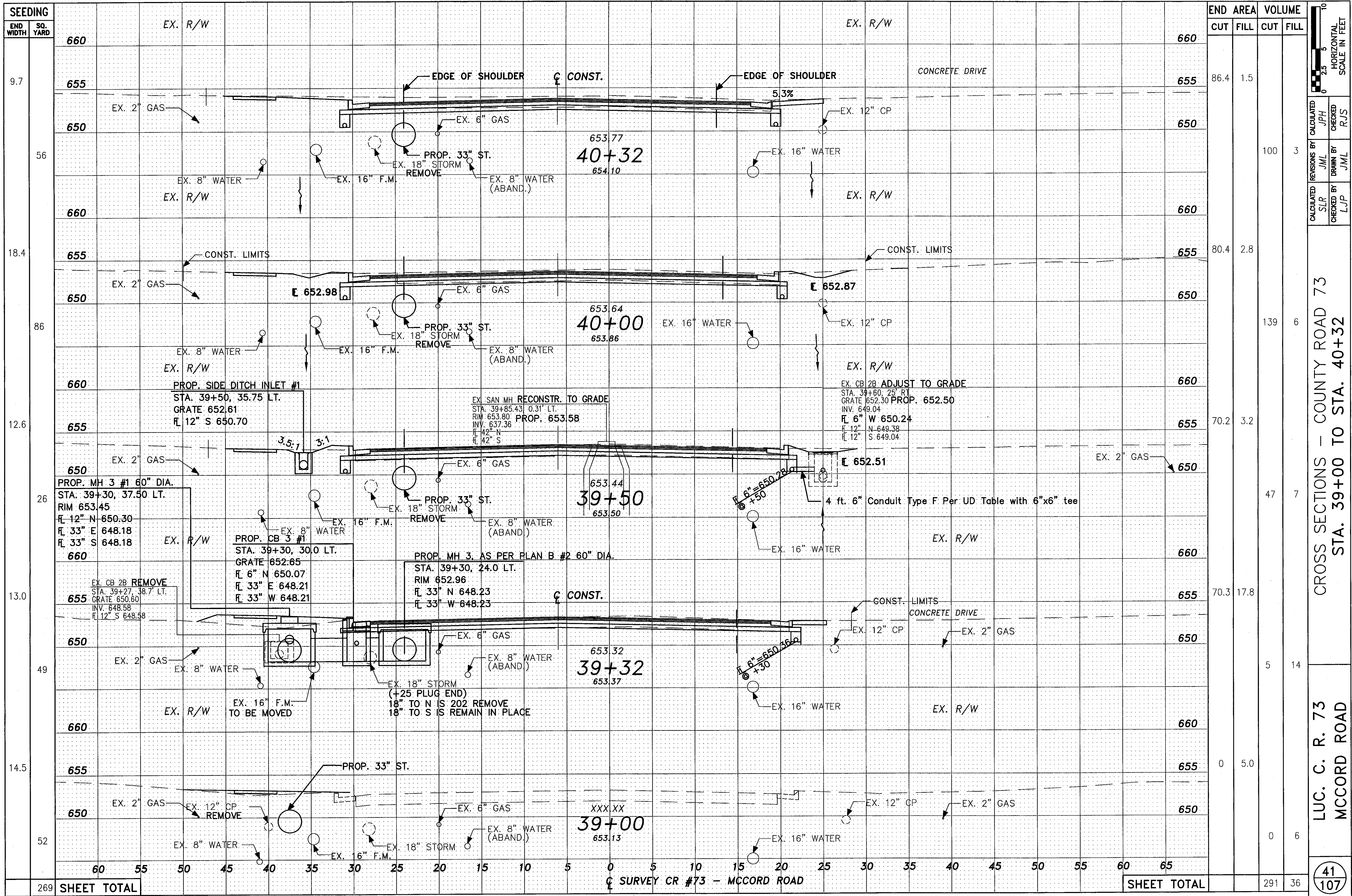
40
107

SHEET TOTAL

SURVEY CR #73 - MCCORD ROAD

HORIZONTAL SCALE IN FEET

CALCULATED BY JPH
CHECKED BY RJS
REVISIONS BY JML
DRAWN BY JML



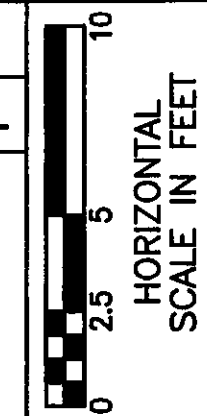
END AREA	VOLUME	
	CUT	FILL
660		
655	86.4	1.5
650		
660		
655	80.4	2.8
650		
660		
655	80.4	2.8
650		
660		
655	70.2	3.2
650		
660		
655	70.3	17.8
650		
660		
655	0	5.0
650		
SHEET TOTAL	291	36

CROSS SECTIONS - COUNTY ROAD 73
STA. 39+00 TO STA. 40+32

LUC. C. R. 73
MCCORD ROAD

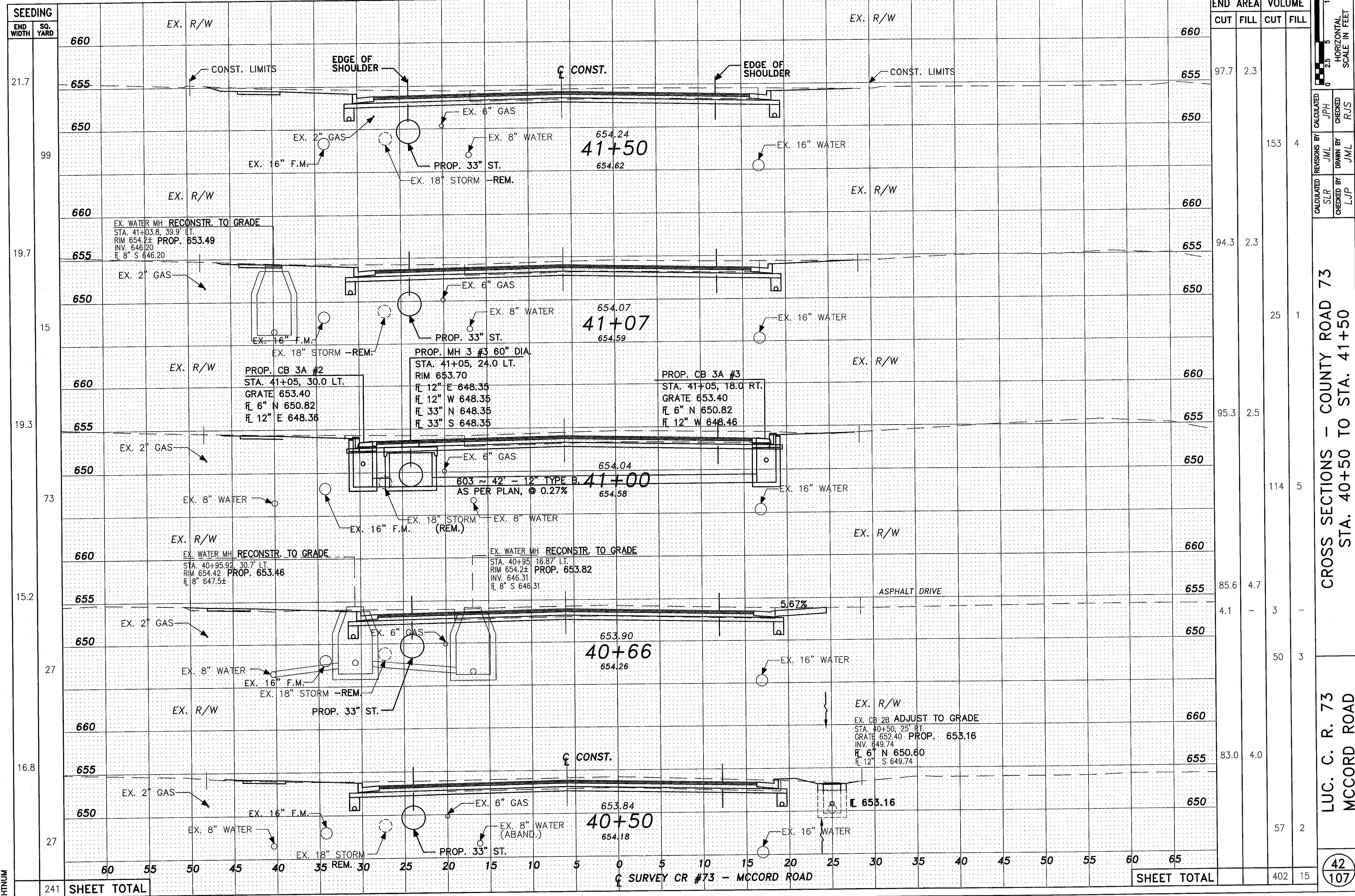
41
107

CALCULATED BY JPH
CHECKED BY RJS
REVISIONS BY JML
DRAWN BY JML
CALCULATED BY SLR
CHECKED BY LJP



SHEET TOTAL

SURVEY CR #73 - MCCORD ROAD



END STA	AREA		VOLUME	
	CUT	FILL	CUT	FILL
660				
655	97.7	2.3		
650			153	4
660				
655	94.3	2.3		
650			25	1
660				
655	95.3	2.5		
650			114	5
660				
655	85.6	4.7		
650	4.1	-	3	-
660				
655			50	3
650				
660				
655	83.0	4.0		
650			57	2
SHEET TOTAL			402	15

CROSS SECTIONS - COUNTY ROAD 73
STA. 40+50 TO STA. 41+50

LUC. C. R. 73
MCCORD ROAD

42
107

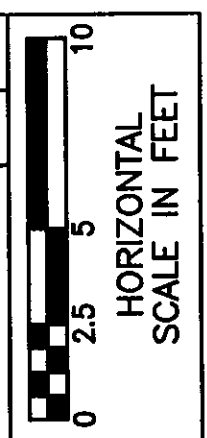
SHEET TOTAL

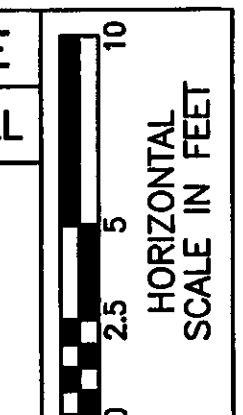
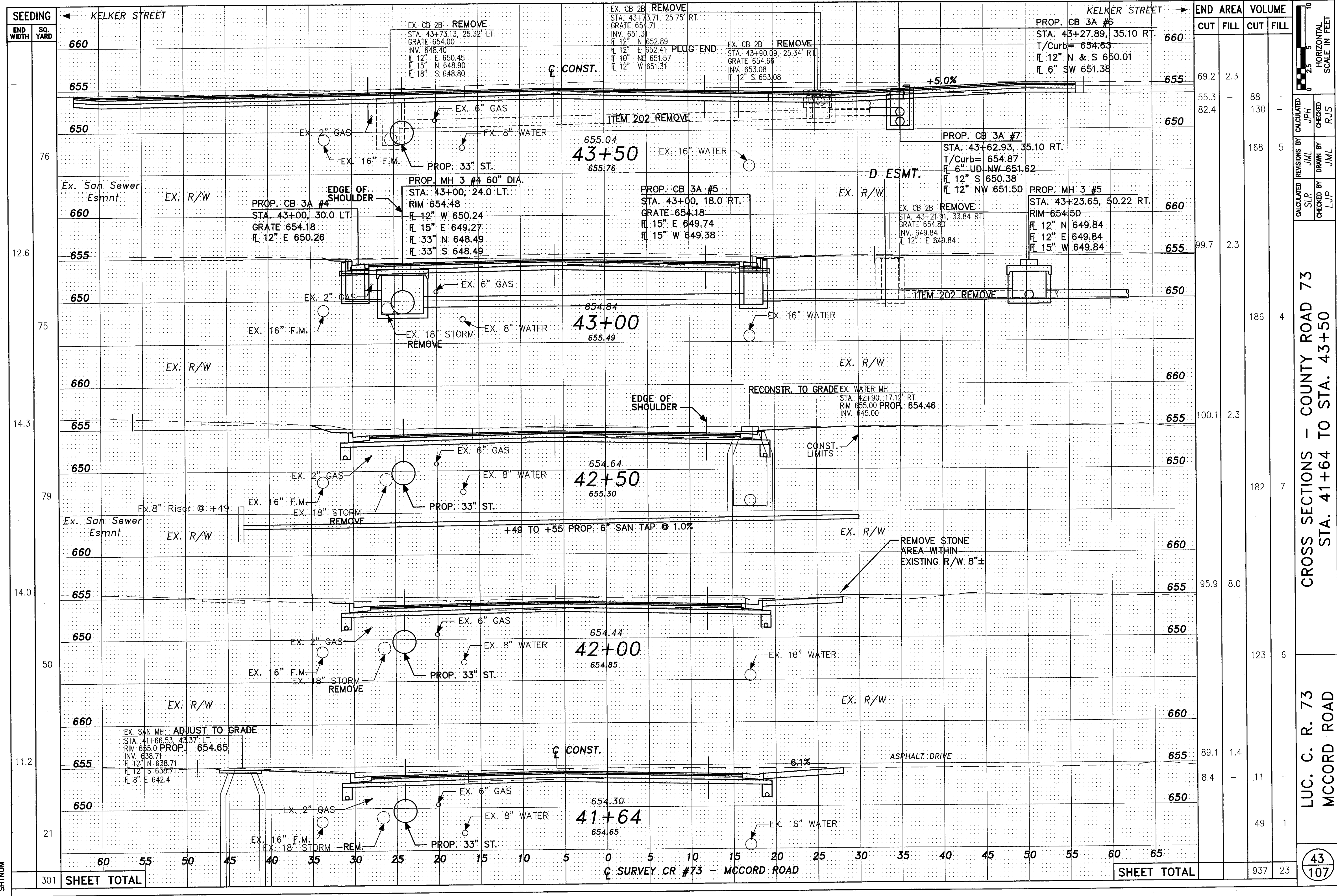
241 SHEET TOTAL

SHEET TOTAL

SURVEY CR #73 - MCCORD ROAD

REVISIONS BY
CALCULATED BY JPH
CHECKED BY RJS
DRAWN BY JML
CHECKED BY JML





CALCULATED BY	JPH
CHECKED BY	RJS
REVISIONS BY	JML
DRAWN BY	JML
CALCULATED BY	SLR
CHECKED BY	LJP

CROSS SECTIONS - COUNTY ROAD 73
STA. 41+64 TO STA. 43+50

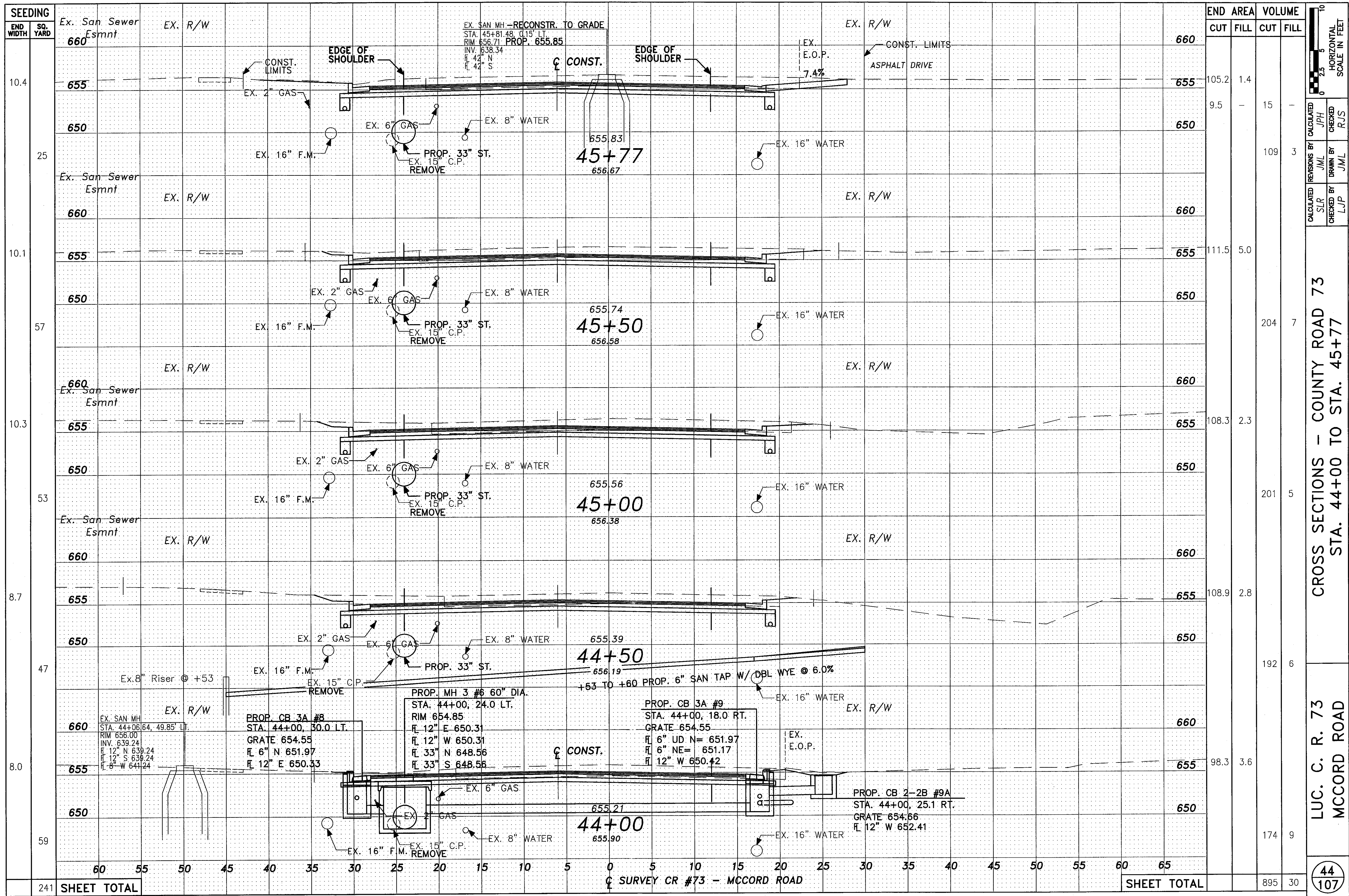
LUC. C. R. 73
MCCORD ROAD

43
107

SHTNUM

301	SHEET TOTAL
-----	-------------

SHEET TOTAL	CUT	FILL	CUT	FILL
	89.2	2.3	88	-
	55.3	-	130	-
	82.4	-	168	5
	99.7	2.3	186	4
	100.1	2.3	182	7
	95.9	8.0	123	6
	89.1	1.4	49	1
	8.4	-	937	23



END AREA	VOLUME	
	CUT	FILL
660		
655	105.2	1.4
650	9.5	15
660		
655	111.5	5.0
650		
660		
655	108.3	2.3
650		
660		
655	108.9	2.8
650		
660		
655	98.3	3.6
650		
660		
655	174	9
650		
SHEET TOTAL		
	895	30

CALCULATED BY	JPH
REVISIONS BY	JML
CHECKED BY	RJS
DRAWN BY	JML
CHECKED BY	LJP

CROSS SECTIONS - COUNTY ROAD 73
 STA. 44+00 TO STA. 45+77

LUC. C. R. 73
 MCCORD ROAD

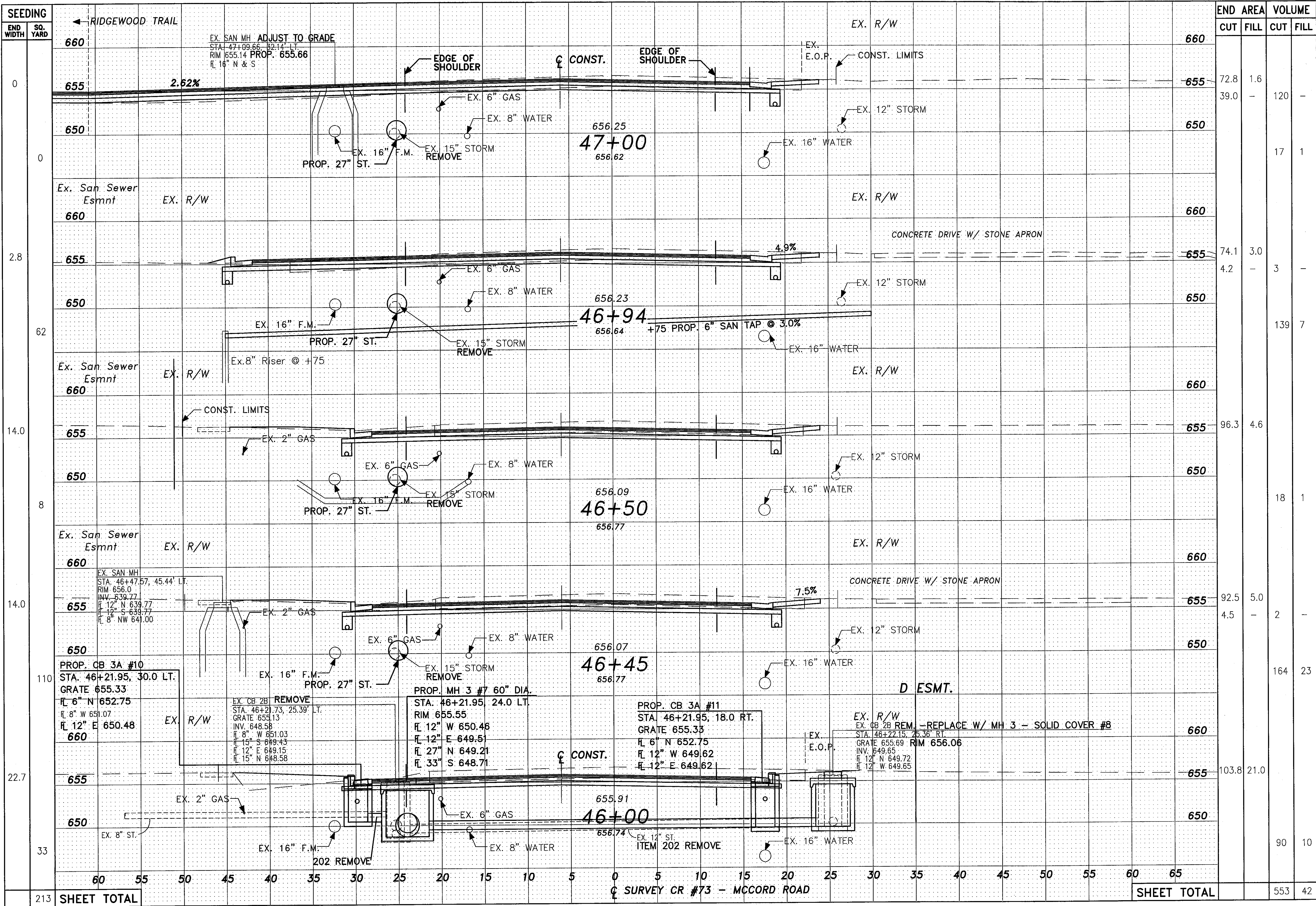
SHTNUM

241

SHEET TOTAL

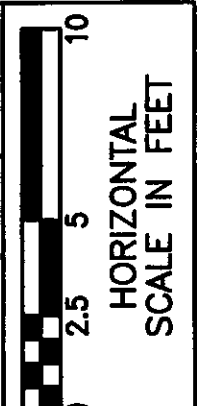
☩ SURVEY CR #73 - MCCORD ROAD

SHEET TOTAL



SEEDING	END AREA		VOLUME	
	CUT	FILL	CUT	FILL
660	72.8	1.6	120	-
655	39.0	-	-	-
650	-	-	17	1
660	74.1	3.0	-	-
655	4.2	-	3	-
650	-	-	139	7
660	96.3	4.6	-	-
655	-	-	18	1
650	92.5	5.0	-	-
660	4.5	-	2	-
655	-	-	164	23
650	103.8	21.0	-	-
660	-	-	90	10
SHEET TOTAL			553	42

CROSS SECTIONS - COUNTY ROAD 73
 STA. 46+00 TO STA. 47+00
 LUC. C. R. 73
 MCCORD ROAD
 45
 107



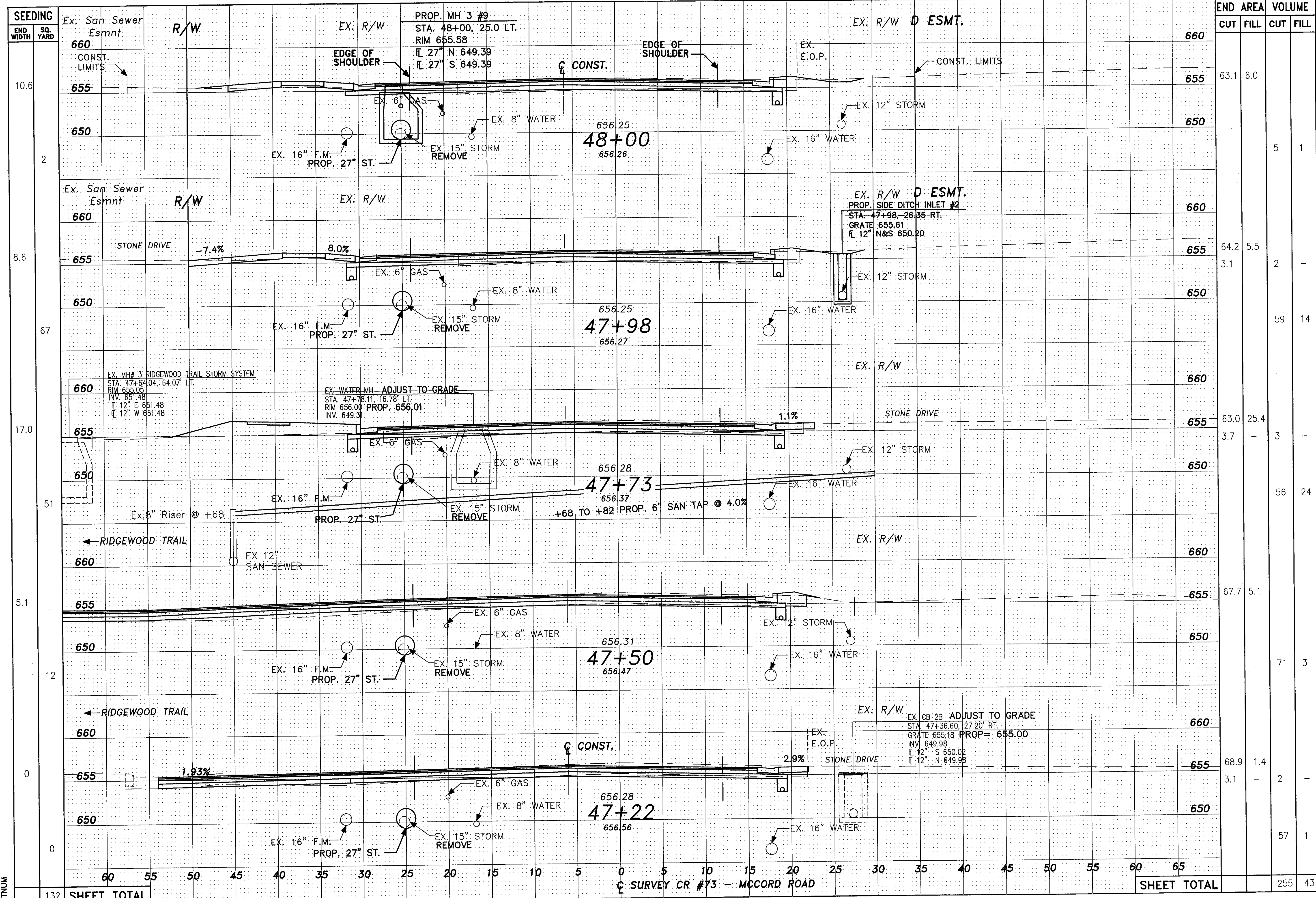
CALCULATED BY	SLR	CHECKED BY	LJP
REVISIONS BY	JML	DRAWN BY	JML
CALCULATED BY	JPH	CHECKED BY	RJS

SHEET TOTAL

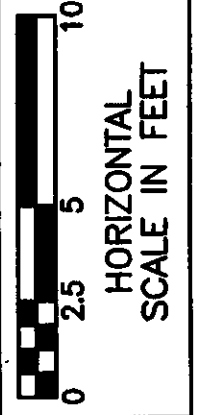
☉ SURVEY CR #73 - MCCORD ROAD

SHEET TOTAL

45
107



END AREA	VOLUME	
	CUT	FILL
63.1	6.0	
64.2	5.5	
63.0	25.4	
67.7	5.1	
68.9	1.4	
SHEET TOTAL		
	255	43



CALCULATED BY	JPH	CHECKED BY	RJS
REVISIONS BY	JML	DRAWN BY	JML
CALCULATED BY	SLR	CHECKED BY	LJP

CROSS SECTIONS - COUNTY ROAD 73
 STA. 47+22 TO STA. 48+00

LUC. C. R. 73
 MCCORD ROAD

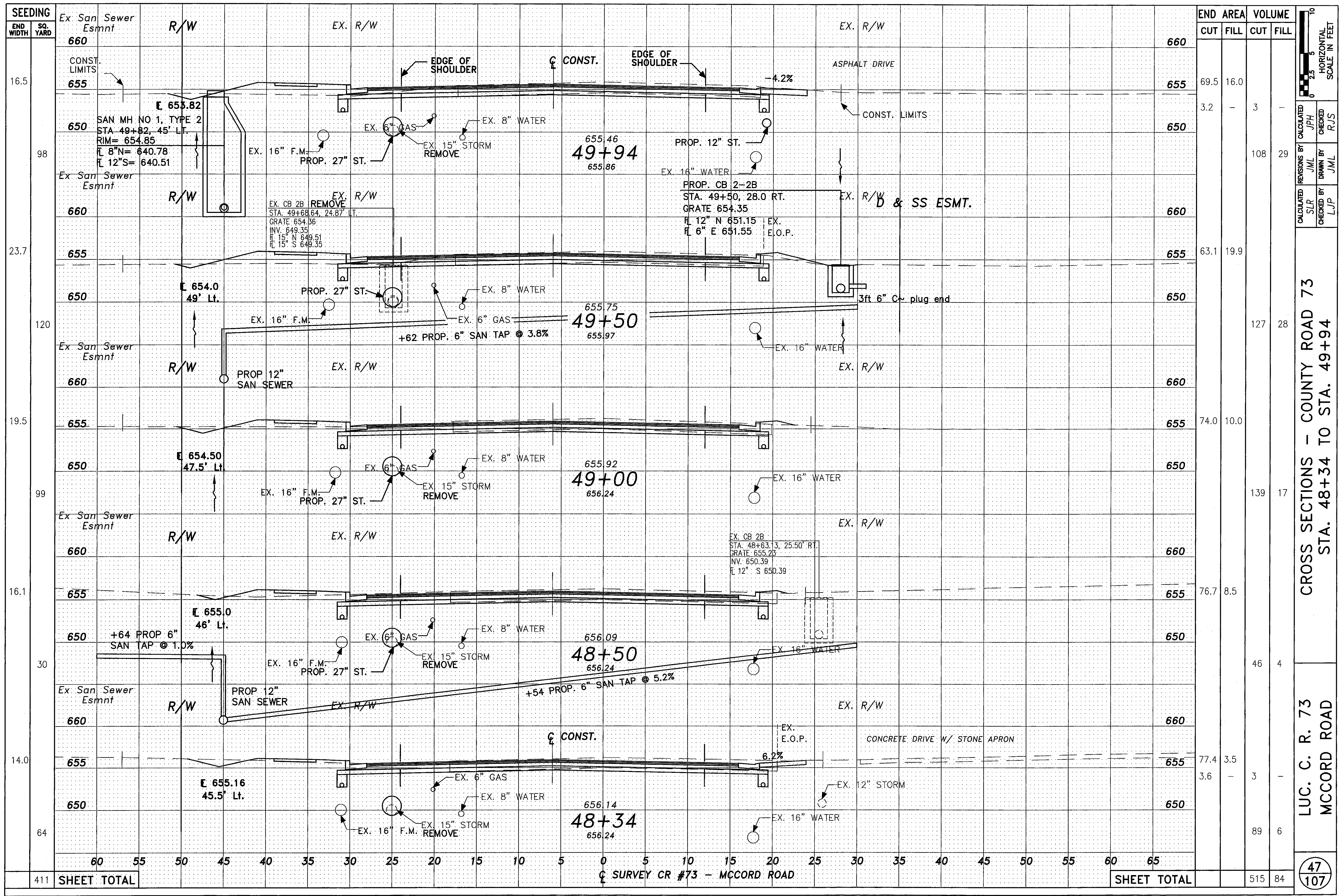
SHEET NO.

132 SHEET TOTAL

☉ SURVEY CR #73 - MCCORD ROAD

SHEET TOTAL

46
107



SEEDING		END AREA		VOLUME	
END WIDTH	SQ. YARD	CUT	FILL	CUT	FILL
660		69.5	16.0		
655				3.2	3
650				108	29
660		63.1	19.9		
655				127	28
650					
660		74.0	10.0		
655				139	17
650					
660		76.7	8.5		
655				46	4
650					
660		77.4	3.5		
655				3	3
650				89	6
660					
SHEET TOTAL				515	84

CROSS SECTIONS - COUNTY ROAD 73
 STA. 48+34 TO STA. 49+94

LUC. C. R. 73
 MCCORD ROAD

47
 107

SHTNUM

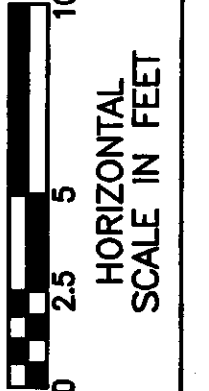
411

SHEET TOTAL

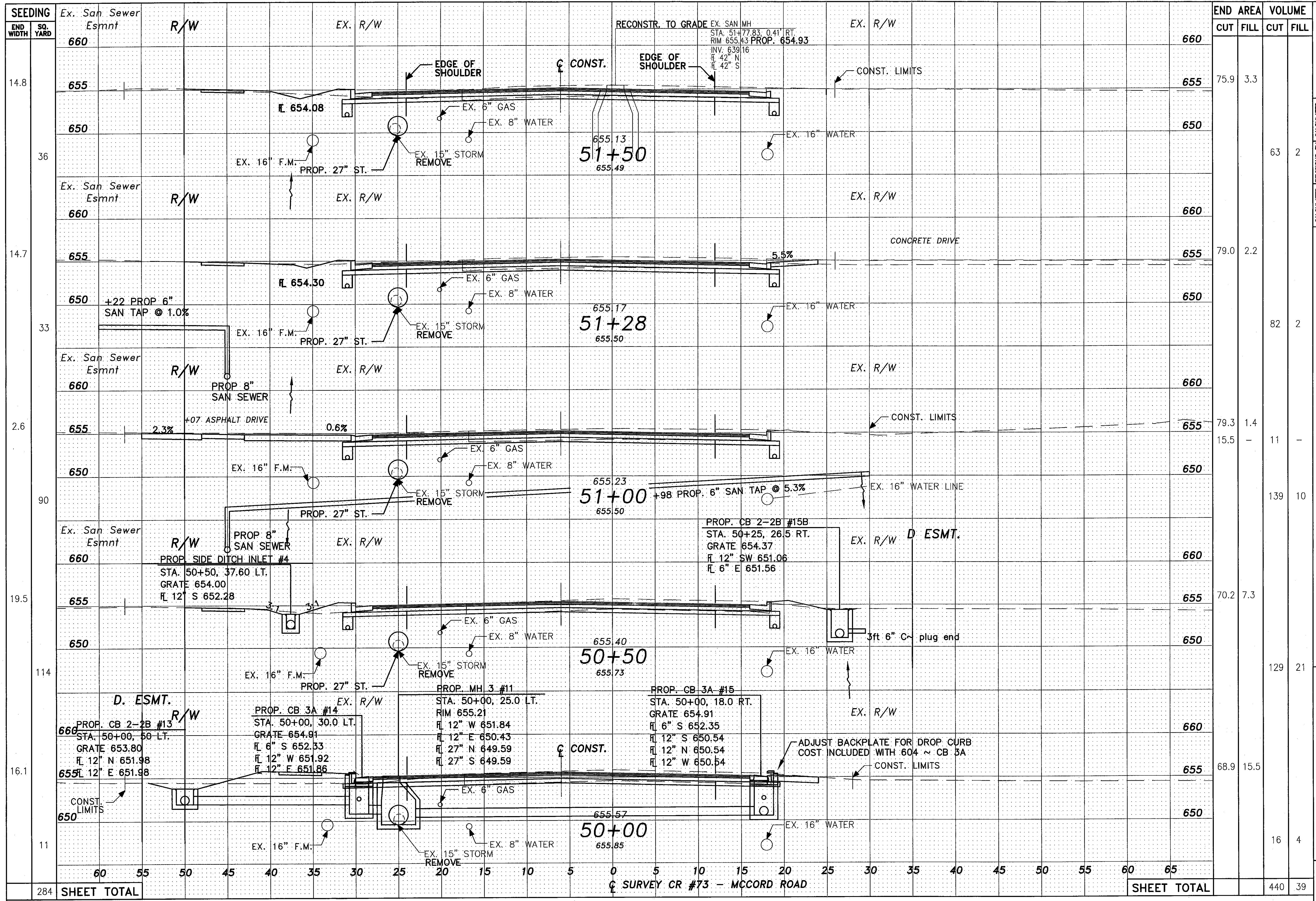
SHEET TOTAL

♻️ SURVEY CR #73 - MCCORD ROAD

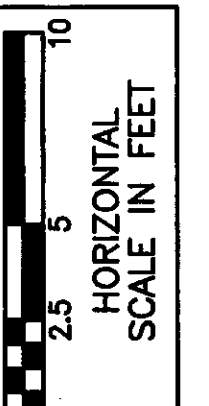
REVISIONS BY			
CALCULATED	JML	DRAWN BY	JML
CHECKED BY	JLP	CHECKED BY	RJS



60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65

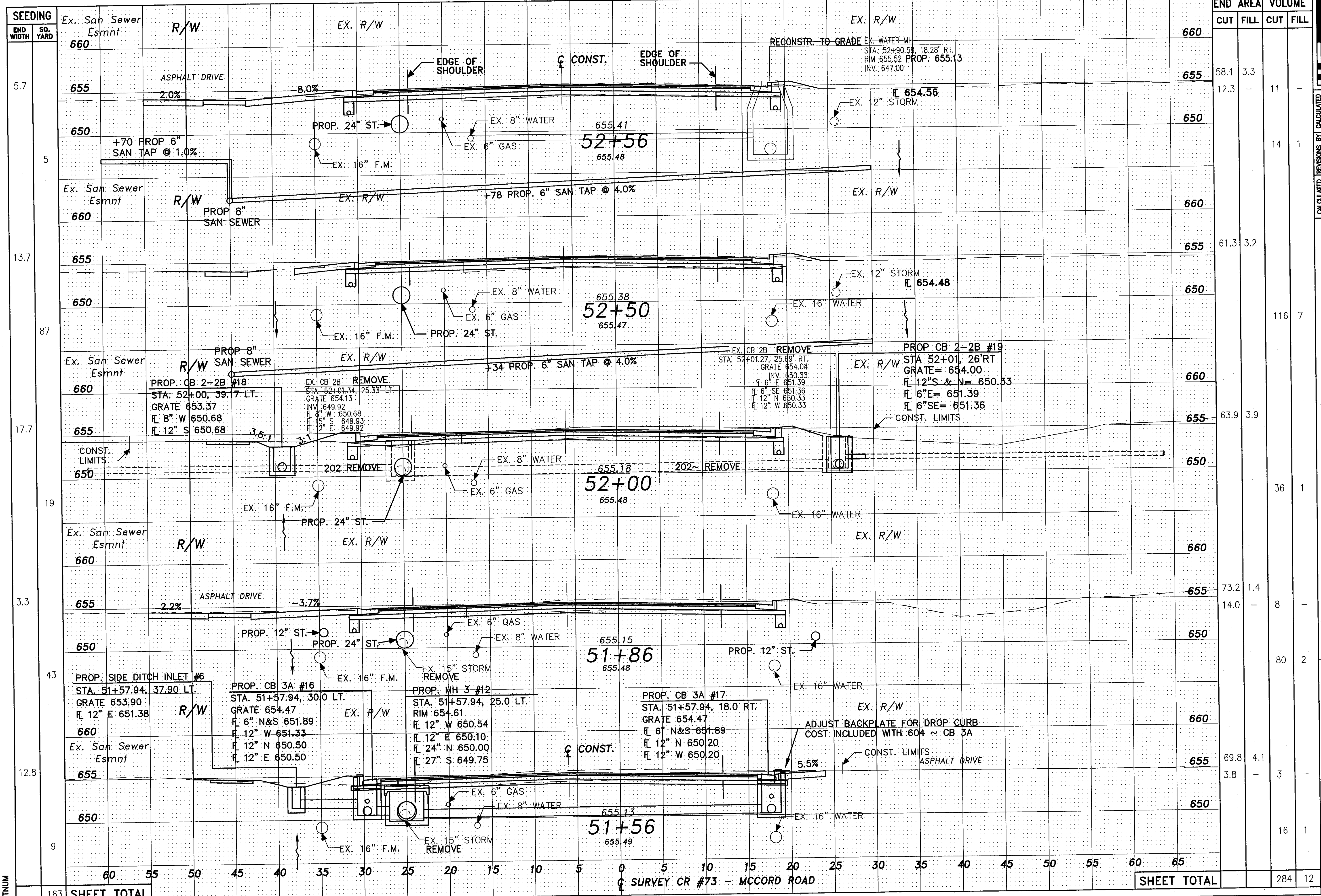


SEEDING		END WIDTH	SO. YARD	CUT	FILL	CUT	FILL
14.8	660			75.9	3.3		
36	655					63	2
14.7	660			79.0	2.2		
33	655					82	2
2.6	660			79.3	1.4		
90	655			15.5	-	11	-
19.5	660					139	10
114	655			70.2	7.3		
16.1	660					129	21
11	655			68.9	15.5		
SHEET TOTAL		284				440	39



CALCULATED BY	SLR	REVISIONS BY	JPH
CHECKED BY	LJP	DRAWN BY	JML
		CHECKED BY	RJS

LUC. C. R. 73
 MCCORD ROAD
 CROSS SECTIONS - COUNTY ROAD 73
 STA. 50+00 TO STA. 51+50



SEEDING	END WIDTH	SQ. YARD	END AREA		VOLUME	
			CUT	FILL	CUT	FILL
660	60					
655	55					
650	50					
660	45					
655	40					
650	35					
660	30					
655	25					
650	20					
660	15					
655	10					
650	5					
660	0					
655	5					
650	10					
660	15					
655	20					
650	25					
660	30					
655	35					
650	40					
660	45					
655	50					
650	55					
660	60					
655	65					
650	65					
SHEET TOTAL					284	12

CROSS SECTIONS - COUNTY ROAD 73
 STA. 51+56 TO STA. 52+56
 LUC. C. R. 73
 MCCORD ROAD

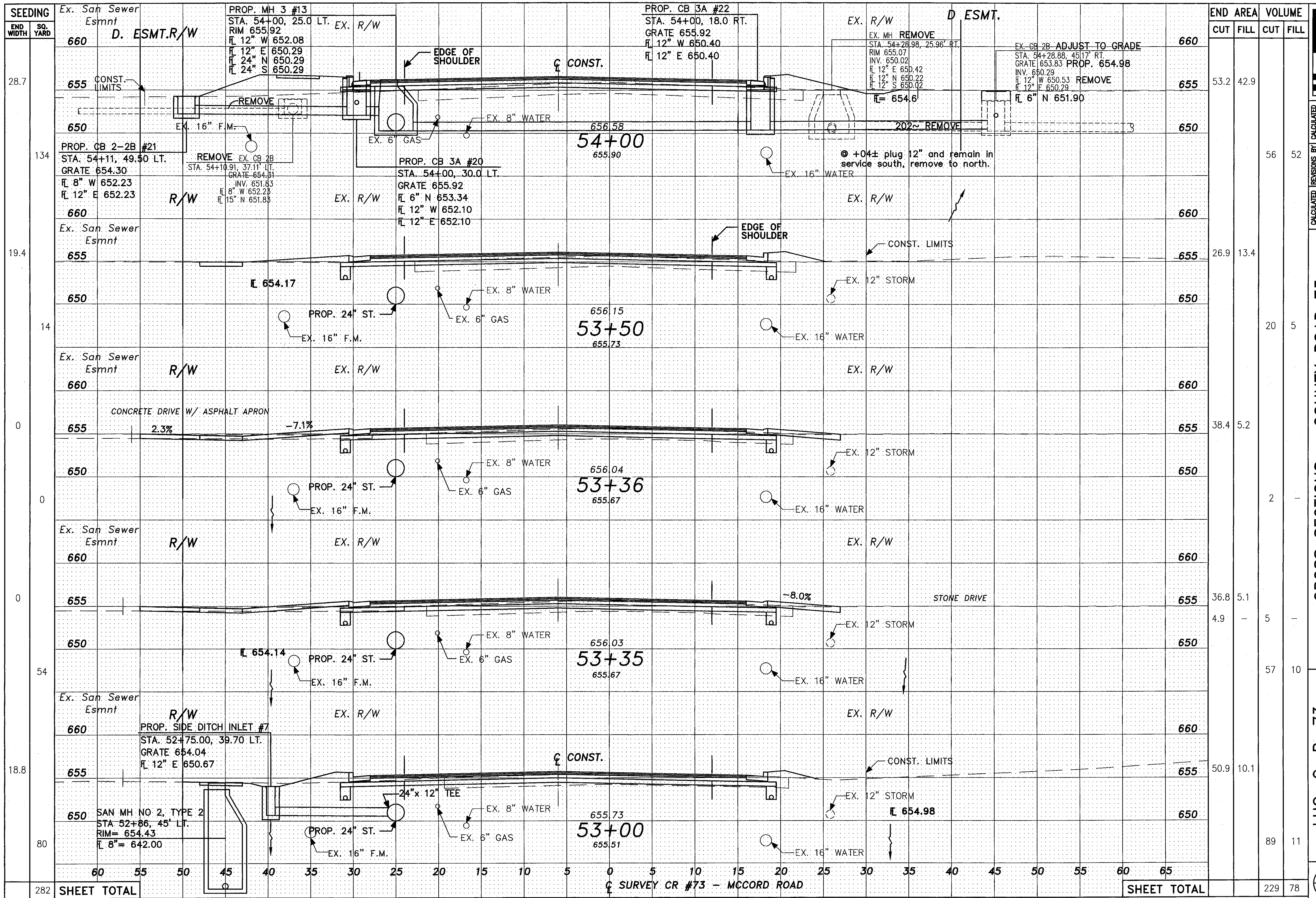
49
 107

REVISIONS BY	CHECKED BY	DATE
JPH	JML	
JPH	JML	
JPH	JML	



SHEET NO.

163



SEEDING	END WIDTH	SQ. YARD	END AREA		VOLUME	
			CUT	FILL	CUT	FILL
28.7						
134						
19.4						
14						
0						
0						
0						
54						
18.8						
80						
282	SHEET TOTAL				229	78



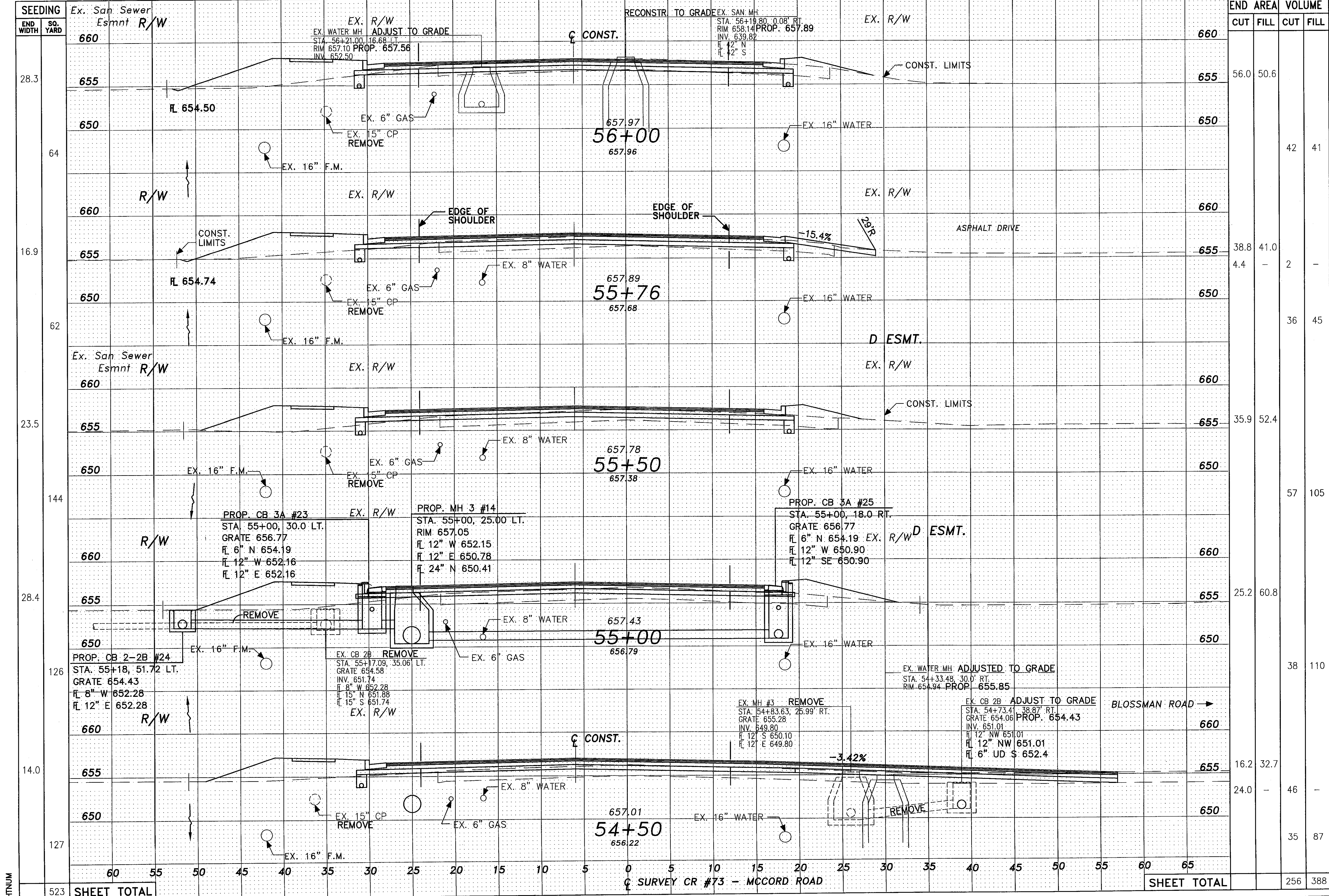
CALCULATED BY JPH
 REVISIONS BY JML
 SLR
 CHECKED BY LJP

DRAWN BY JML
 RJS

CROSS SECTIONS - COUNTY ROAD 73
 STA. 53+00 TO STA. 54+00

LUC. C. R. 73
 MCCORD ROAD

50
 107



SHTNUM

523

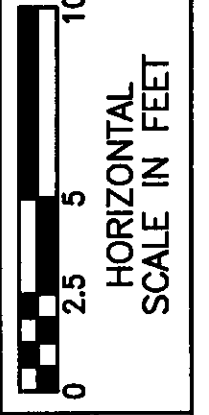
SHEET TOTAL

☉ SURVEY CR #73 - MCCORD ROAD

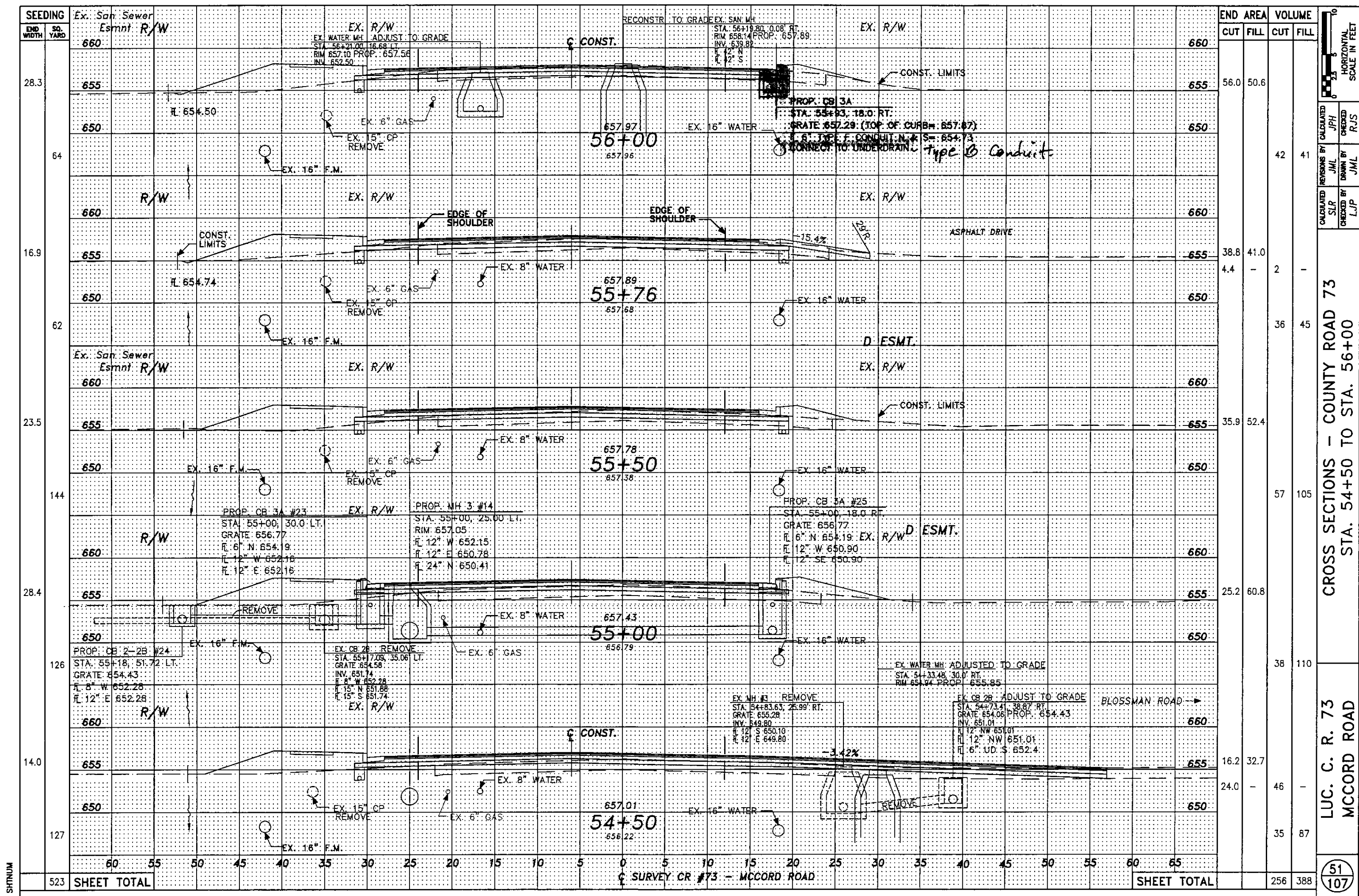
SHEET TOTAL

END AREA	VOLUME	CUT		FILL	
		CUT	FILL	CUT	FILL
56.0	50.6				
				42	41
38.8	41.0				
4.4	-	2	-		
				36	45
35.9	52.4				
				57	105
25.2	60.8				
				38	110
16.2	32.7				
24.0	-	46	-		
				35	87
				256	388

CROSS SECTIONS - COUNTY ROAD 73
 STA. 54+50 TO STA. 56+00
 LUC. C. R. 73
 MCCORD ROAD
 51
 107



CALCULATED BY JPH
 CHECKED BY RJS
 REVISIONS BY JML
 DRAWN BY JML
 CHECKED BY LJP



CALCULATED BY	JPH
CHECKED BY	RJS
REVISIONS BY	JML
DRAWN BY	JML
CHECKED BY	LJP

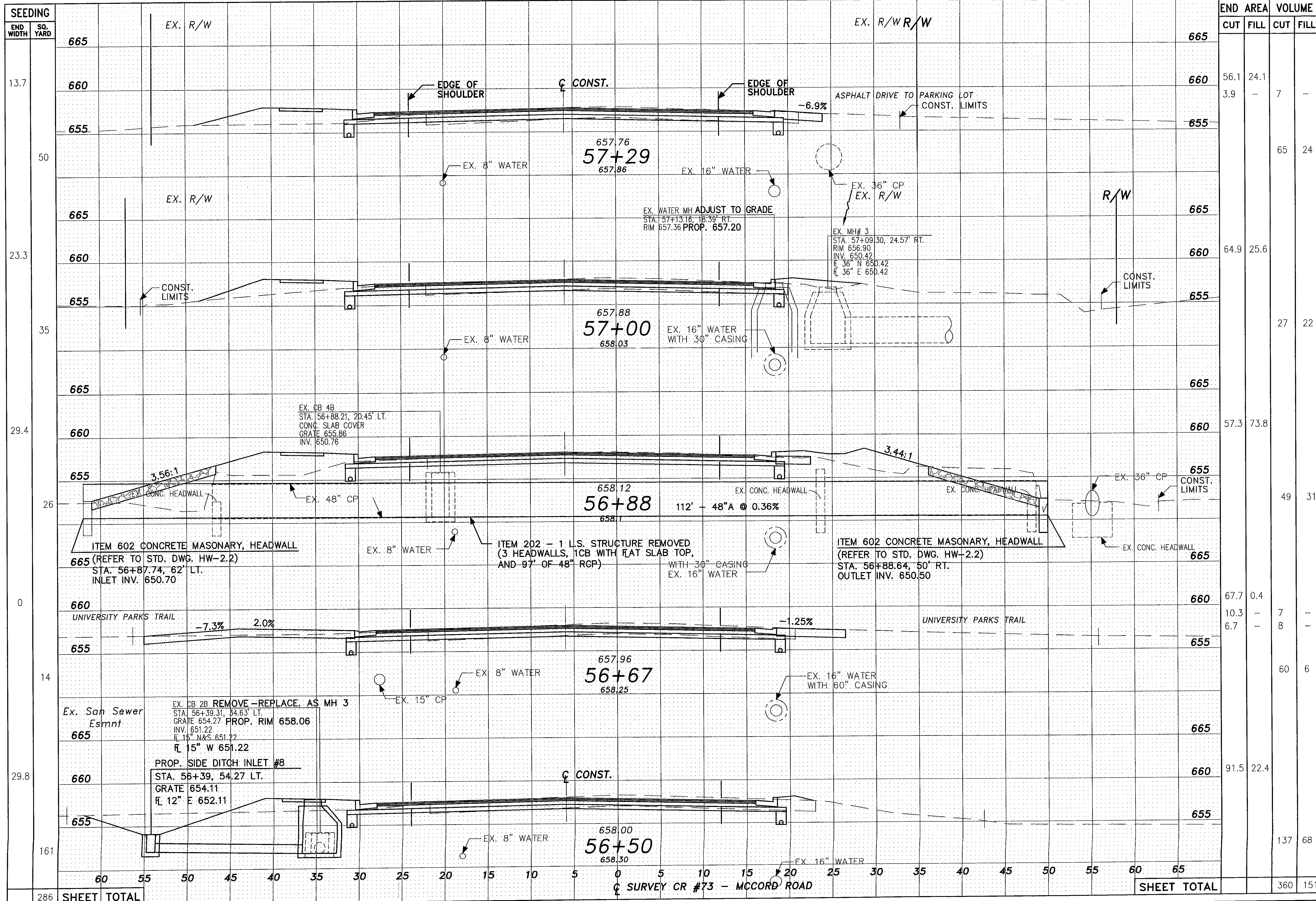
CROSS SECTIONS - COUNTY ROAD 73
STA. 54+50 TO STA. 56+00

LUC. C. R. 73
MCCORD ROAD

SHEET TOTAL

523	SHEET TOTAL	256	388
-----	-------------	-----	-----

STATION	SEEDING	END WIDTH	SO. YARD	END AREA		VOLUME	
				CUT	FILL	CUT	FILL
28.3	660	660	660	56.0	50.6		
64	655	655	655			42	41
16.9	660	660	660	38.8	41.0		
62	655	655	655	4.4	2		
23.5	660	660	660	35.9	52.4		
144	655	655	655			57	105
28.4	660	660	660	25.2	60.8		
126	655	655	655			38	110
14.0	660	660	660	16.2	32.7		
127	655	655	655	24.0	46		
	660	660	660	35	87		
				SHEET TOTAL		256	388



STATION	END AREA		VOLUME	
	CUT	FILL	CUT	FILL
665				
660	56.1	24.1		
655	3.9	-	7	-
665			65	24
660	64.9	25.6		
655			27	22
665				
660	57.3	73.8		
655			49	31
660	67.7	0.4		
655	10.3	-	7	-
	6.7	-	8	-
665			60	6
660	91.5	22.4		
655			137	68
SHEET TOTAL			360	151

CROSS SECTIONS - COUNTY ROAD 73
 STA. 56+50 TO STA. 57+29
 LUC. C. R. 73
 MCCORD ROAD
 52
 107

CALCULATED BY: JPH
 CHECKED BY: RJS
 CALCULATED BY: JML
 CHECKED BY: JML
 CALCULATED BY: SLR
 CHECKED BY: LJP

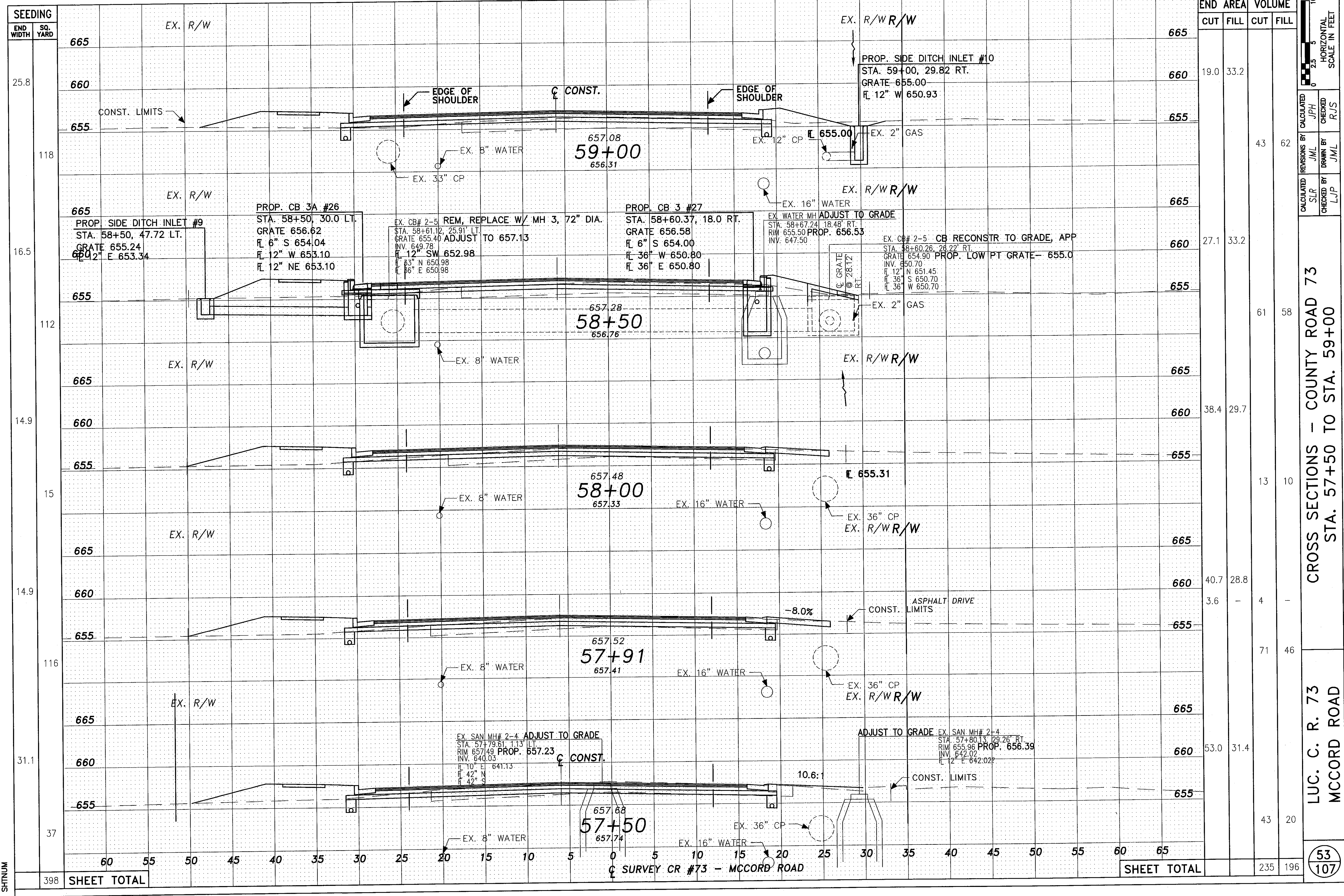
52
 107

SHEET TOTAL

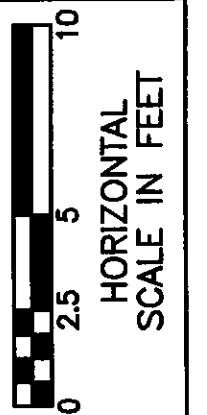
286 SHEET TOTAL

SHEET TOTAL

¢ SURVEY CR #73 - MCCORD ROAD



STATION	END AREA		VOLUME	
	CUT	FILL	CUT	FILL
665				
660	19.0	33.2		
655			43	62
665				
660	27.1	33.2		
655			61	58
665				
660	38.4	29.7		
655			13	10
665				
660	40.7	28.8		
655	3.6	-	4	-
665			71	46
660	53.0	31.4		
655			43	20
SHEET TOTAL			235	196



CALCULATED BY JPH
 CHECKED BY RJS
 REVISIONS BY JML
 DRAWN BY JML
 CALCULATED BY SLR
 CHECKED BY LJP

CROSS SECTIONS - COUNTY ROAD 73
 STA. 57+50 TO STA. 59+00

LUC. C. R. 73
 MCCORD ROAD

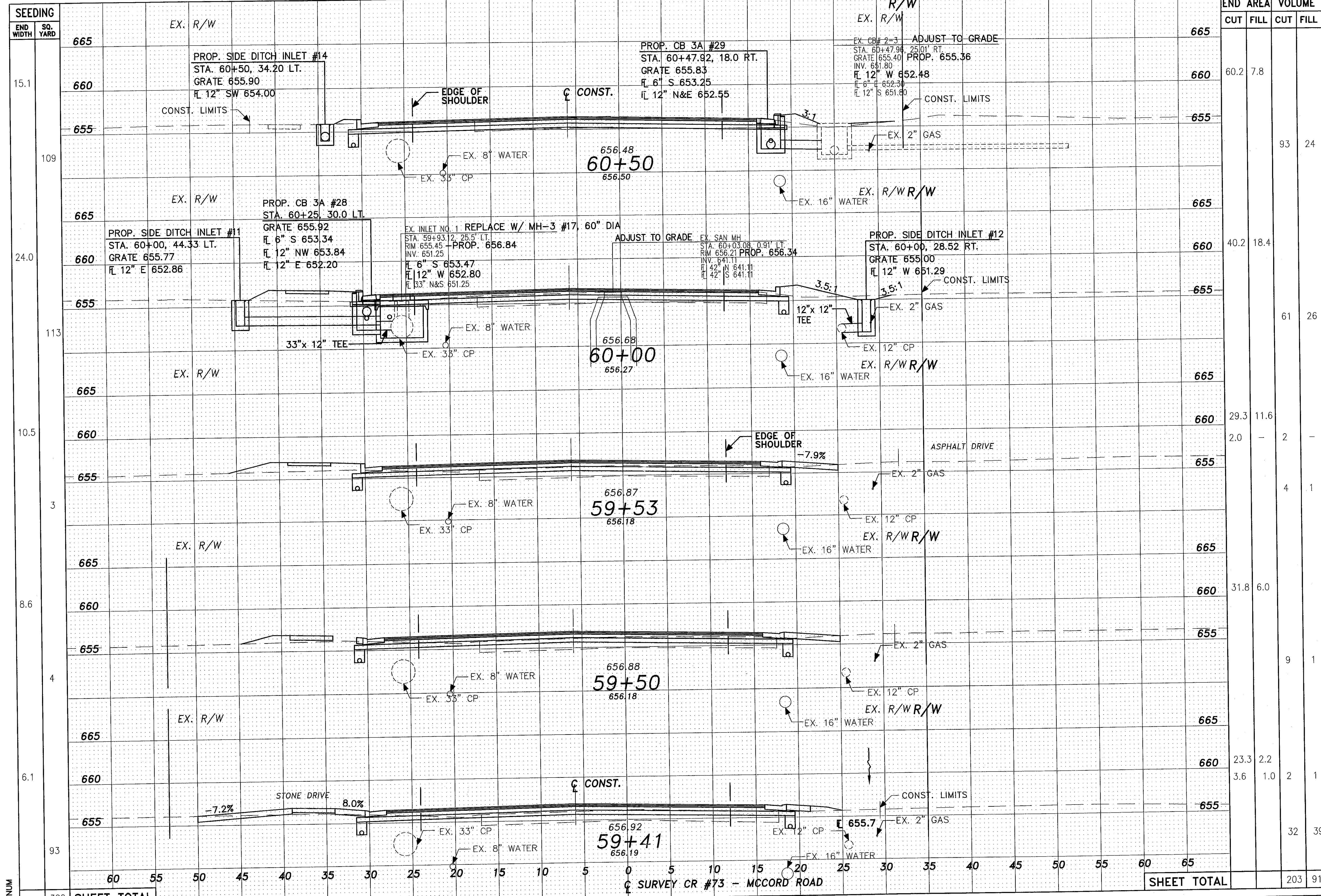
53
 107

SHEET NUMBER

398 SHEET TOTAL

SHEET TOTAL

CL SURVEY CR #73 - MCCORD ROAD



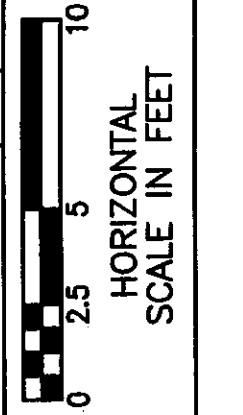
SEEDING	END WIDTH	SQ. YARD	EX. R/W	
			CUT	FILL
665	15.1			
660	109			
655	24.0			
665	113			
660	10.5			
655	3			
665	8.6			
660	4			
655	6.1			
665	93			
SHEET TOTAL	322			

END AREA	VOLUME	CUT		FILL	
		AREA	VOLUME	AREA	VOLUME
665	60.2	7.8			
660	93		24		
655	40.2	18.4			
665	61	26			
660	29.3	11.6			
655	2.0		2		
665	4		1		
660	31.8	6.0			
655	9		1		
665	23.3	2.2			
660	3.6	1.0	2	1	
655			32	39	
SHEET TOTAL			203	91	

CROSS SECTIONS - COUNTY ROAD 73
 STA. 59+41 TO STA. 60+50

LUC. C. R. 73
 MCCORD ROAD

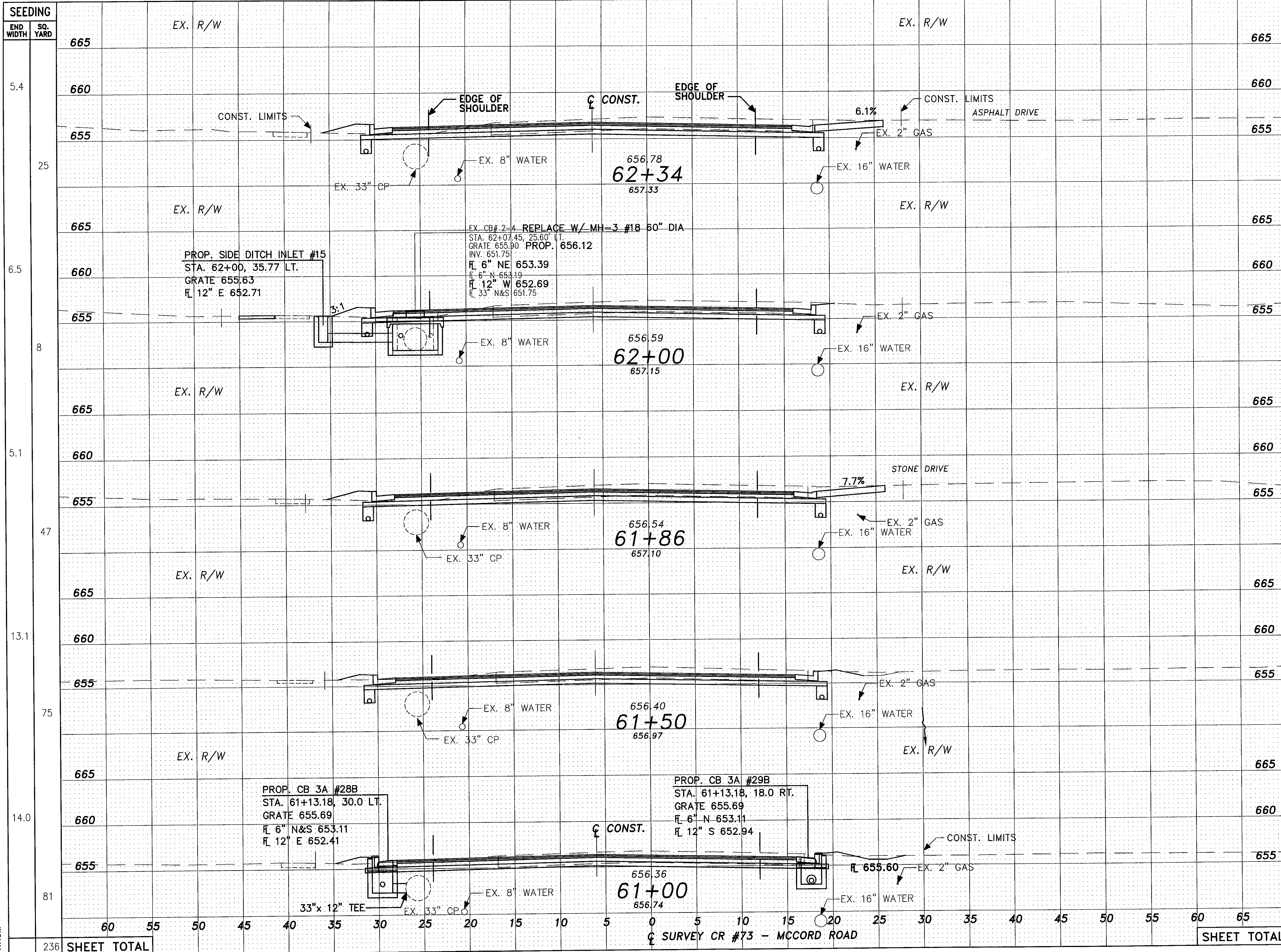
54
 107



CALCULATED BY JPH
 CHECKED BY RJS

REVISIONS BY JML
 DRAWN BY JML

CALCULATED BY SJR
 CHECKED BY LJP



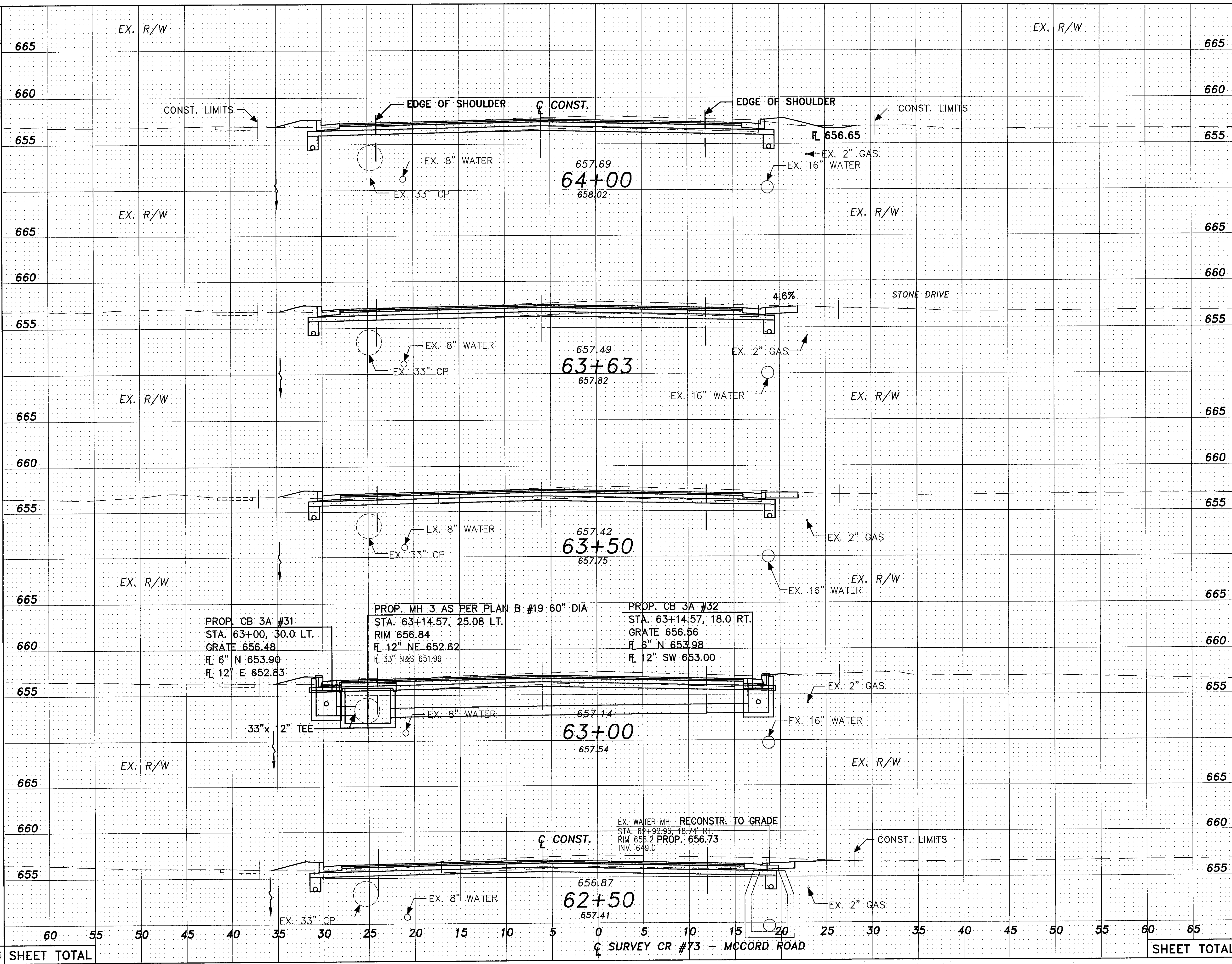
END AREA	VOLUME	
	CUT	FILL
665		
660	74.1	3.8
655	5.8	-
665		
660		
655		
665		
660	75.0	4.4
655		
665		
660		
655		
665		
660	74.9	3.4
655	5.7	-
665		
660		
655		
665		
660	82.1	3.5
655		
665		
660		
655		
665		
660		
655		
665		
660	75.8	4.6
655		
SHEET TOTAL		
	519	31

HORIZONTAL SCALE IN FEET
 0 2.5 5 10
 CALCULATED BY JPH
 CHECKED BY RJS
 DRAWN BY JML
 CHECKED BY LJP
 CROSS SECTIONS - COUNTY ROAD 73
 STA. 61+00 TO STA. 62+34
 LUC. C. R. 73
 MCCORD ROAD
 55
 107

SEEDING
 END WIDTH SQ. YARD
 5.4
 25
 6.5
 8
 5.1
 47
 13.1
 75
 14.0
 81
 236
 SHEET TOTAL

SHTNUM

SEEDING	
END WIDTH	SQ. YARD
14.9	
52	
4.2	
6	
4.4	
39	
7.5	
49	
10.3	
10	
156	SHEET TOTAL



END AREA		VOLUME	
CUT	FILL	CUT	FILL
71.1	3.5		
71.3	2.6		
1.9	-	2	-
		34	1
67.9	2.9		
		128	7
69.7	4.4		
		136	7
77.3	3.6		
		45	2
		443	21

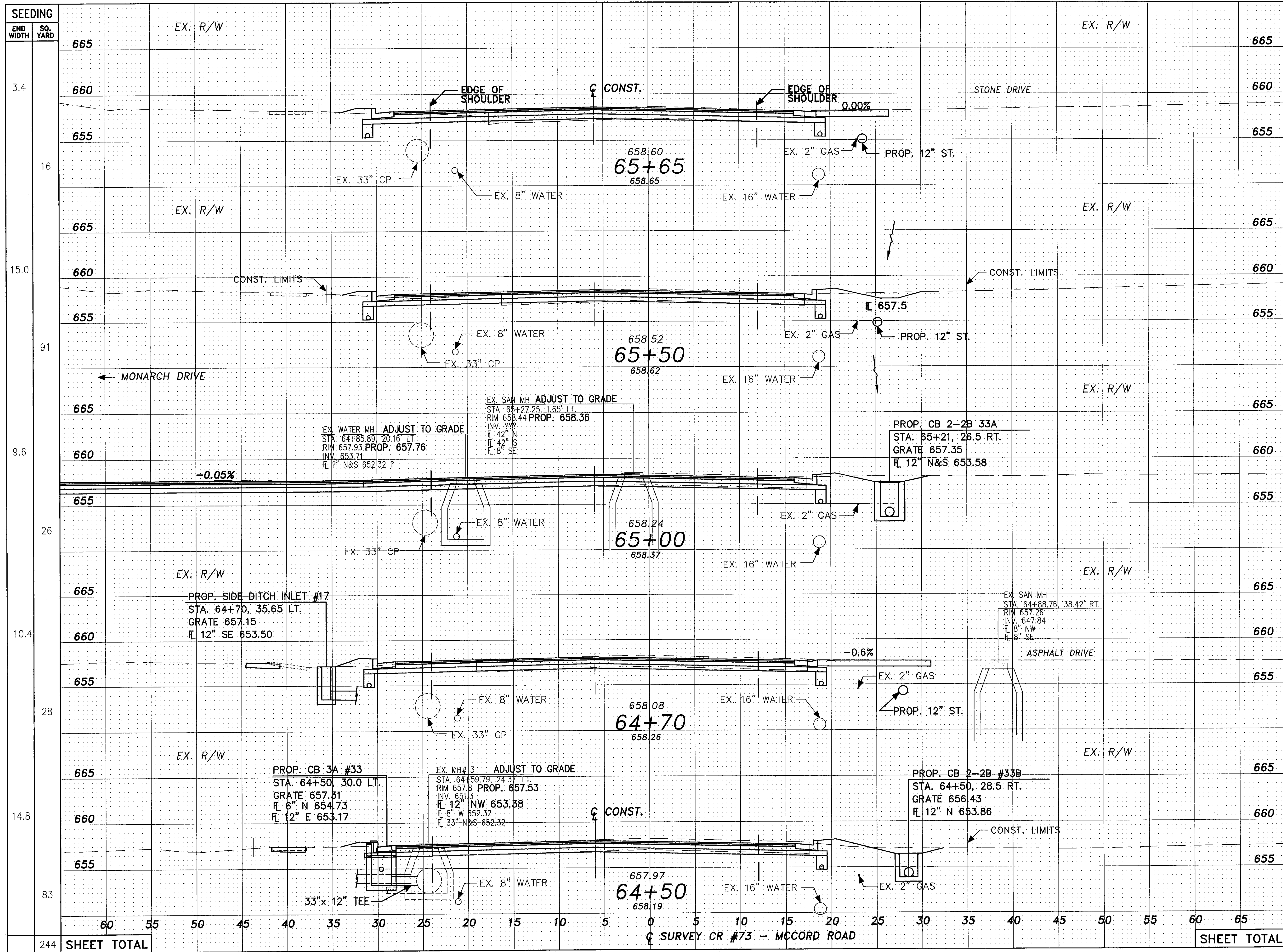
HORIZONTAL SCALE IN FEET
 10
 5
 2.5
 0

CALCULATED BY JPH
 REVISIONS BY JML
 SLR
 CHECKED BY LJP
 DRAWN BY JML
 R/S

CROSS SECTIONS - COUNTY ROAD 73
STA. 62+50 TO STA. 64+00

LUC. C. R. 73
MCCORD ROAD

56
 107



STATION	END AREA		VOLUME	
	CUT	FILL	CUT	FILL
665				
660	58.0	2.1		
655			3	
665				2
660	60.1	4.3		
655				8
665				
660	71.1	1.9		
655	41.8		89	
665				6
660	65.6	2.9		
655	7.4		4	
665				3
660	73.5	5.1		
655				8
SHEET TOTAL			513	27

CROSS SECTIONS - COUNTY ROAD 73
STA. 64+50 TO STA. 65+65
LUC. C. R. 73
MCCORD ROAD

CALCULATED BY JPH
 CHECKED BY RJS
 REVISIONS BY JML
 DRAWN BY JML
 CHECKED BY LJP

HORIZONTAL SCALE IN FEET
 1" = 20'
 2.5'
 5'
 10'

(57)
(107)

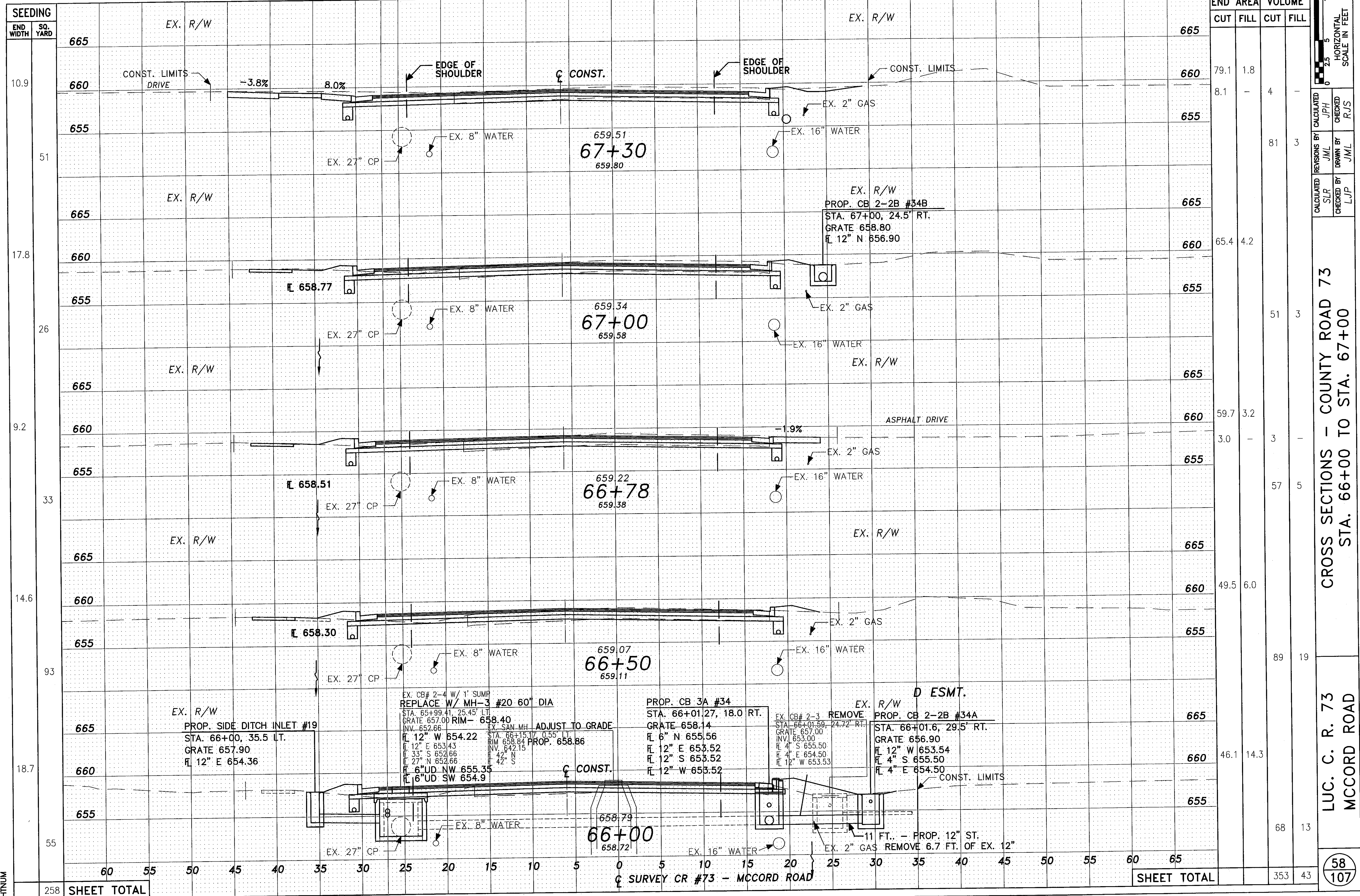
SHEET NUMBER

244 **SHEET TOTAL**

 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65

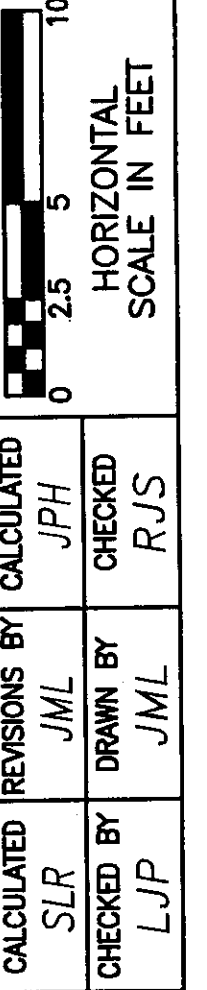
SHEET TOTAL

C SURVEY CR #73 - MCCORD ROAD



SEEDING	END WIDTH	SQ. YARD	EX. R/W	END AREA		VOLUME	
				CUT	FILL	CUT	FILL
665							
660	10.9			79.1	1.8	8.1	4
655	51					81	3
665							
660	17.8			65.4	4.2		
655							
665							
660	26					51	3
655							
665							
660	9.2			59.7	3.2	3.0	3
655							
665							
660	33					57	5
655							
665							
660	14.6			49.5	6.0		
655							
665							
660	93					89	19
655							
665							
660	18.7			46.1	14.3		
655							
665	55					68	13
660							
655							
SHEET TOTAL	258					353	43

CROSS SECTIONS - COUNTY ROAD 73
 STA. 66+00 TO STA. 67+00
 LUC. C. R. 73
 MCCORD ROAD
 58
 107

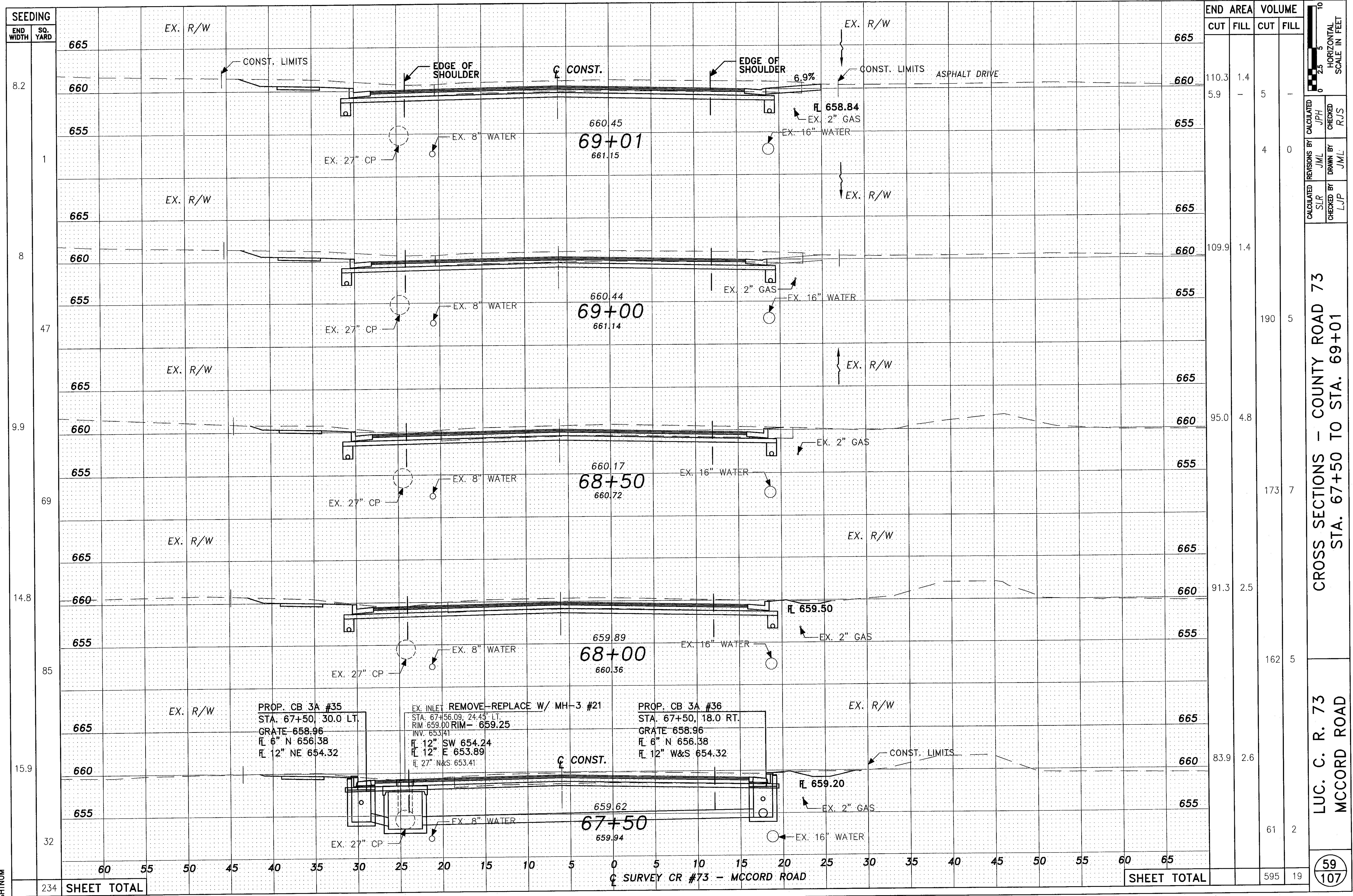


SHEET TOTAL

☐ SURVEY CR #73 - MCCORD ROAD

SHEET TOTAL

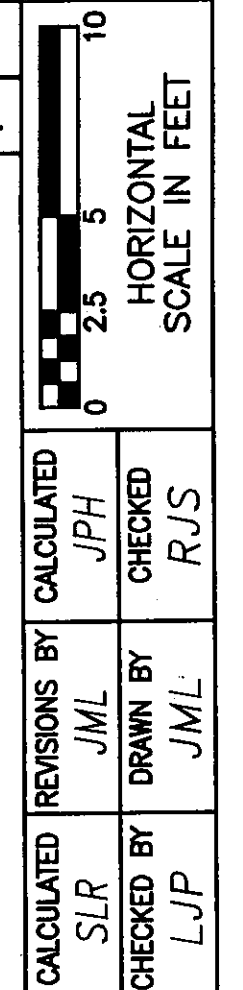
58
107

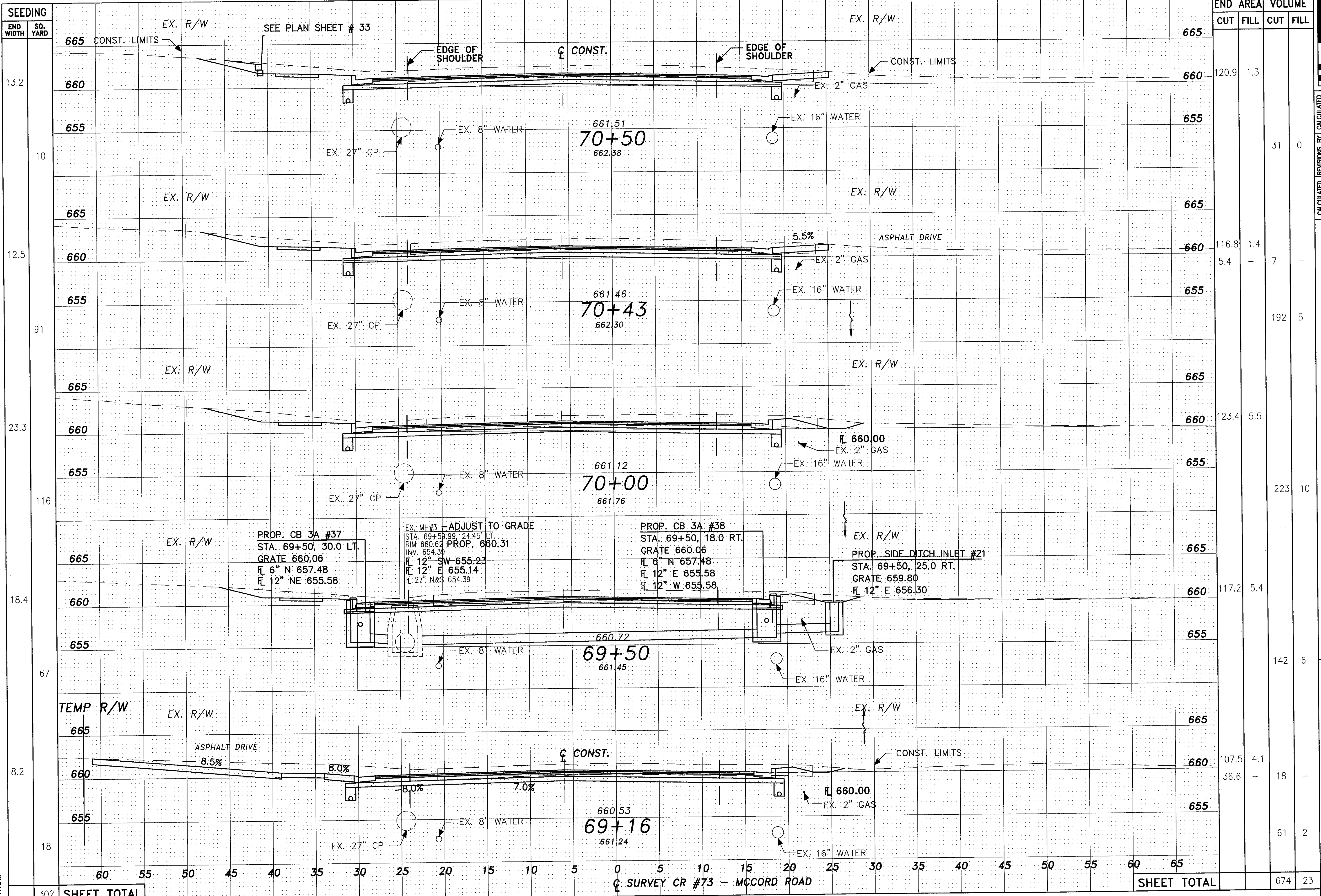


SEEDING	END WIDTH	SO. YARD	STATION	END AREA		VOLUME	
				CUT	FILL	CUT	FILL
665			665				
660			660	110.3	1.4	5.9	-
655			655				
665			665				
660			660	109.9	1.4		
655			655			190	5
665			665				
660			660	95.0	4.8		
655			655			173	7
665			665				
660			660	91.3	2.5		
655			655			162	5
665			665				
660			660	83.9	2.6		
655			655			61	2
SHEET TOTAL						595	19

CROSS SECTIONS - COUNTY ROAD 73
 STA. 67+50 TO STA. 69+01
 LUC. C. R. 73
 MCCORD ROAD
 59
 107

SHTNUM





SECTION NUMBER	SEEDING	
	END WIDTH	SQ. YARD
13.2	665	665
10	660	660
12.5	665	665
91	660	660
23.3	665	665
116	660	660
18.4	665	665
67	660	660
8.2	665	665
18	660	660
302	SHEET TOTAL	

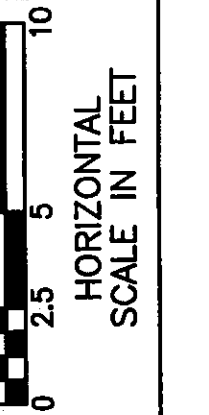
END AREA	VOLUME	CUT		FILL	
		CUT	FILL	CUT	FILL
120.9	1.3				
116.8	1.4	5.4	7		
123.4	5.5			192	5
117.2	5.4			223	10
107.5	4.1	36.6	18		
SHEET TOTAL				674	23

CROSS SECTIONS - COUNTY ROAD 73
STA. 69+16 TO STA. 70+50

LUC. C. R. 73
MCCORD ROAD

60
107

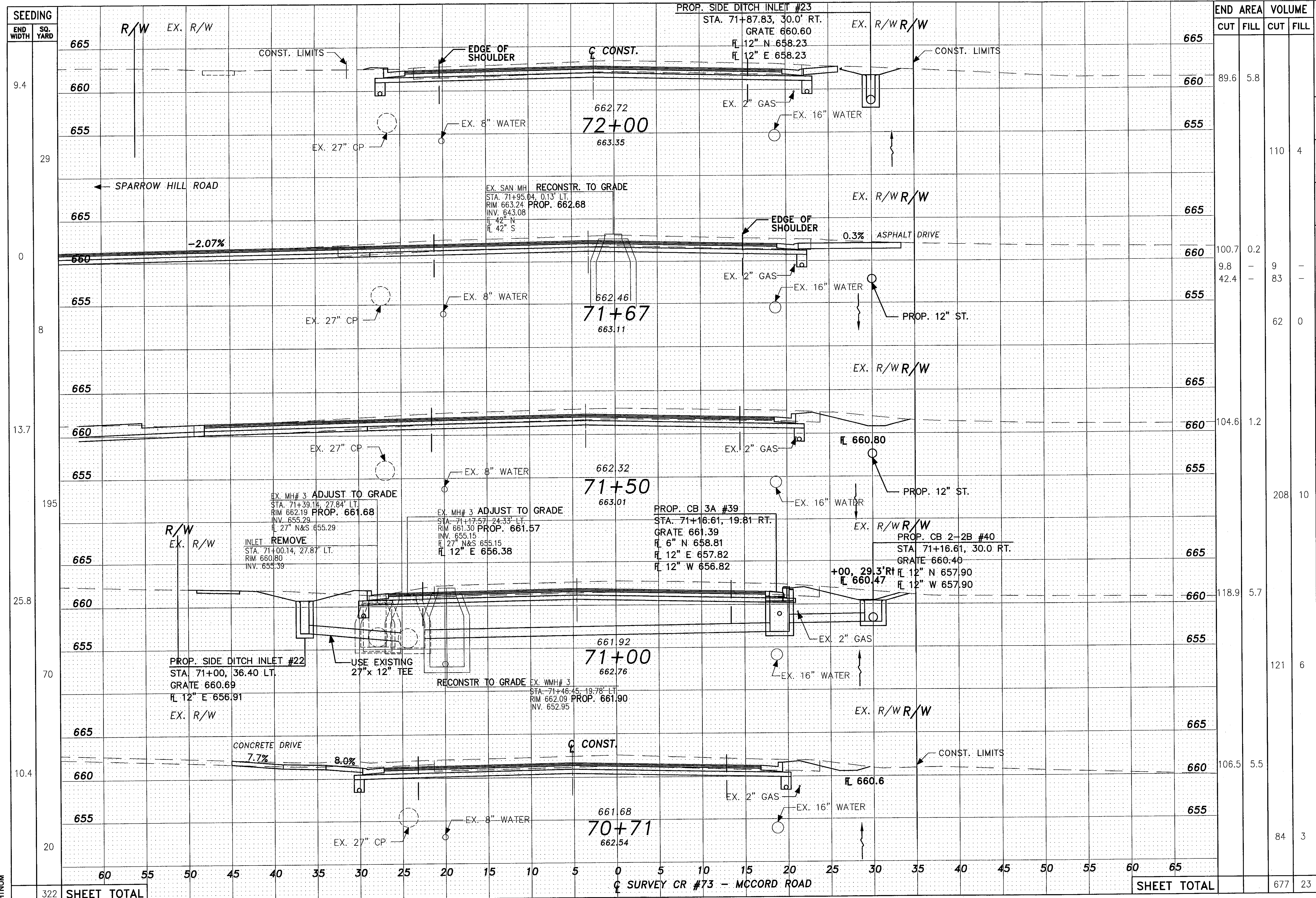
CALCULATED BY: JPH
 CHECKED BY: RJS
 REVISIONS BY: JML
 DRAWN BY: JML
 CALCULATED BY: S/R
 CHECKED BY: LJP



SHTNUM

SURVEY CR #73 - MCCORD ROAD

SHEET TOTAL

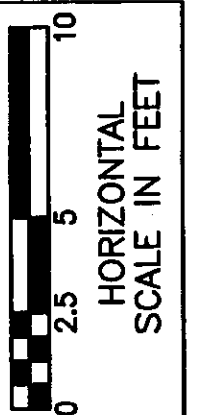


SEEDING	END WIDTH	SQ. YARD	END AREA		VOLUME	
			CUT	FILL	CUT	FILL
665						
660			89.6	5.8		
655					110	4
665						
660			100.7	0.2		
655			9.8		9	
			42.4		83	
665					62	0
660			104.6	1.2		
655					208	10
665						
660			118.9	5.7		
655					121	6
665						
660			106.5	5.5		
655					84	3
SHEET TOTAL					677	23

CROSS SECTIONS - COUNTY ROAD 73
 STA. 70+71 TO STA. 72+00
 LUC. C. R. 73
 MCCORD ROAD

61
 107

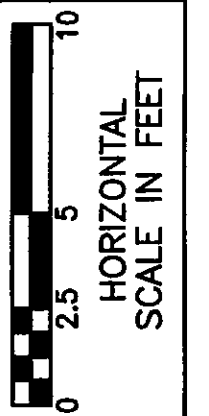
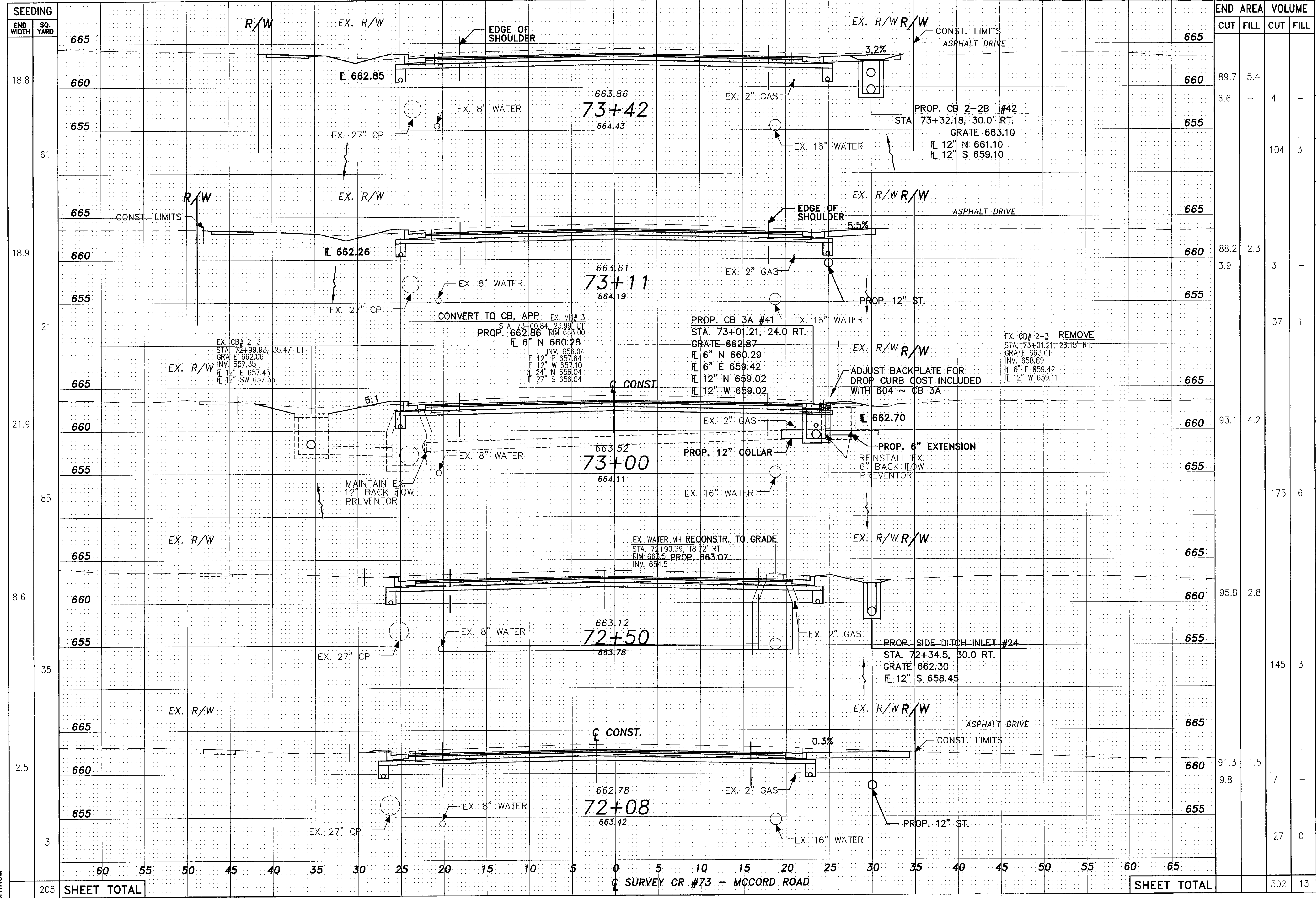
CALCULATED BY	JPH
REVISIONS BY	JML
CHECKED BY	RJS
CHECKED BY	LJP
DRAWN BY	JML



SHEET NO.

322

SURVEY CR #73 - MCCORD ROAD



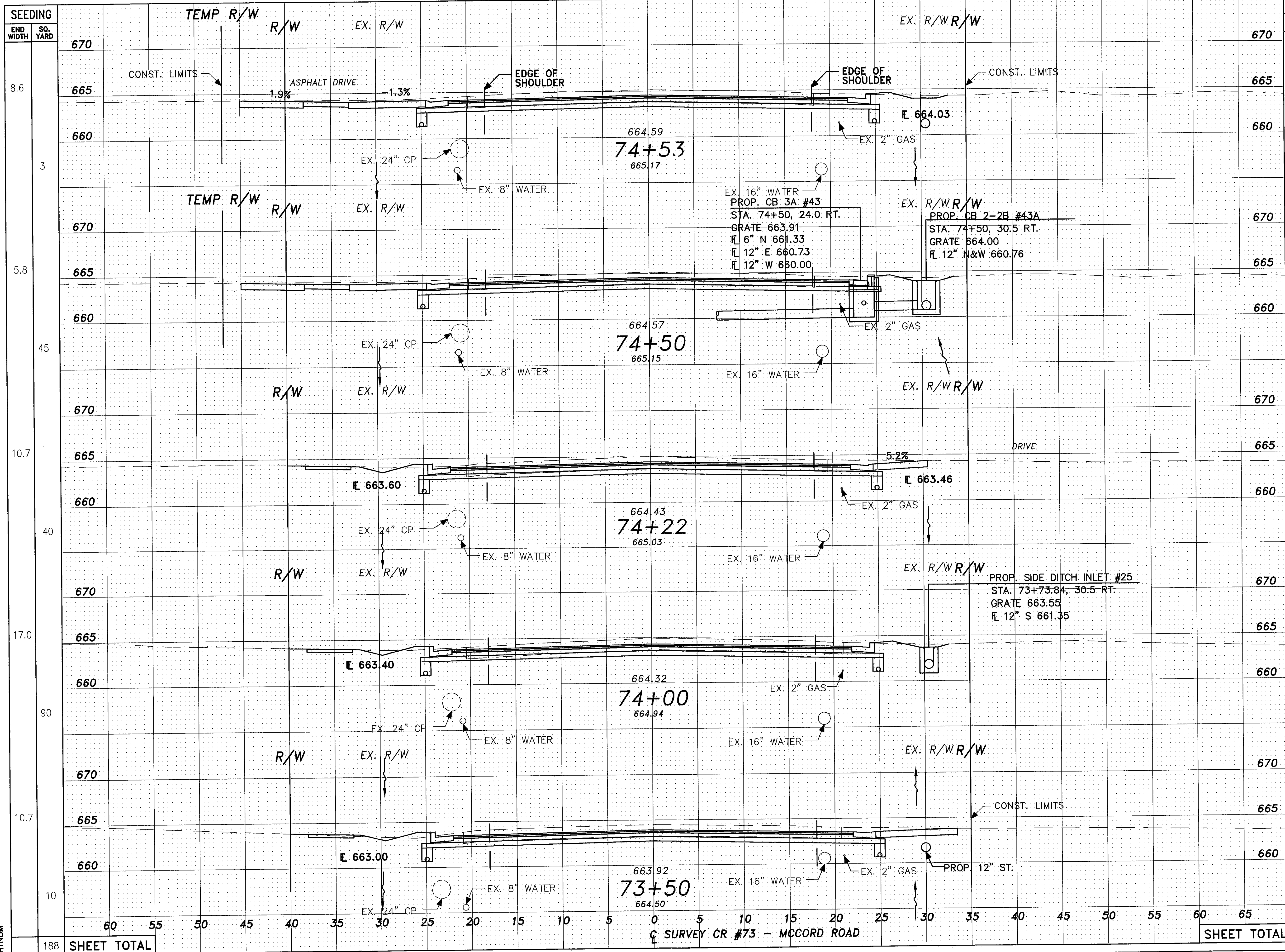
SHTNUM

205 SHEET TOTAL

SHEET TOTAL

Q SURVEY CR #73 - MCCORD ROAD

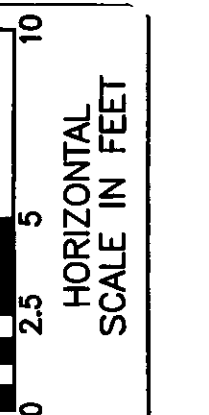
502 13



STATION	END AREA		VOLUME	
	FILL	CUT	FILL	CUT
74+53	89.1	1.7	-	-
74+50	12.2	-	7	-
74+22	90.0	1.7	-	-
74+00	86.8	1.7	2	-
73+50	4.0	-	2	-
SHEET TOTAL			378	11

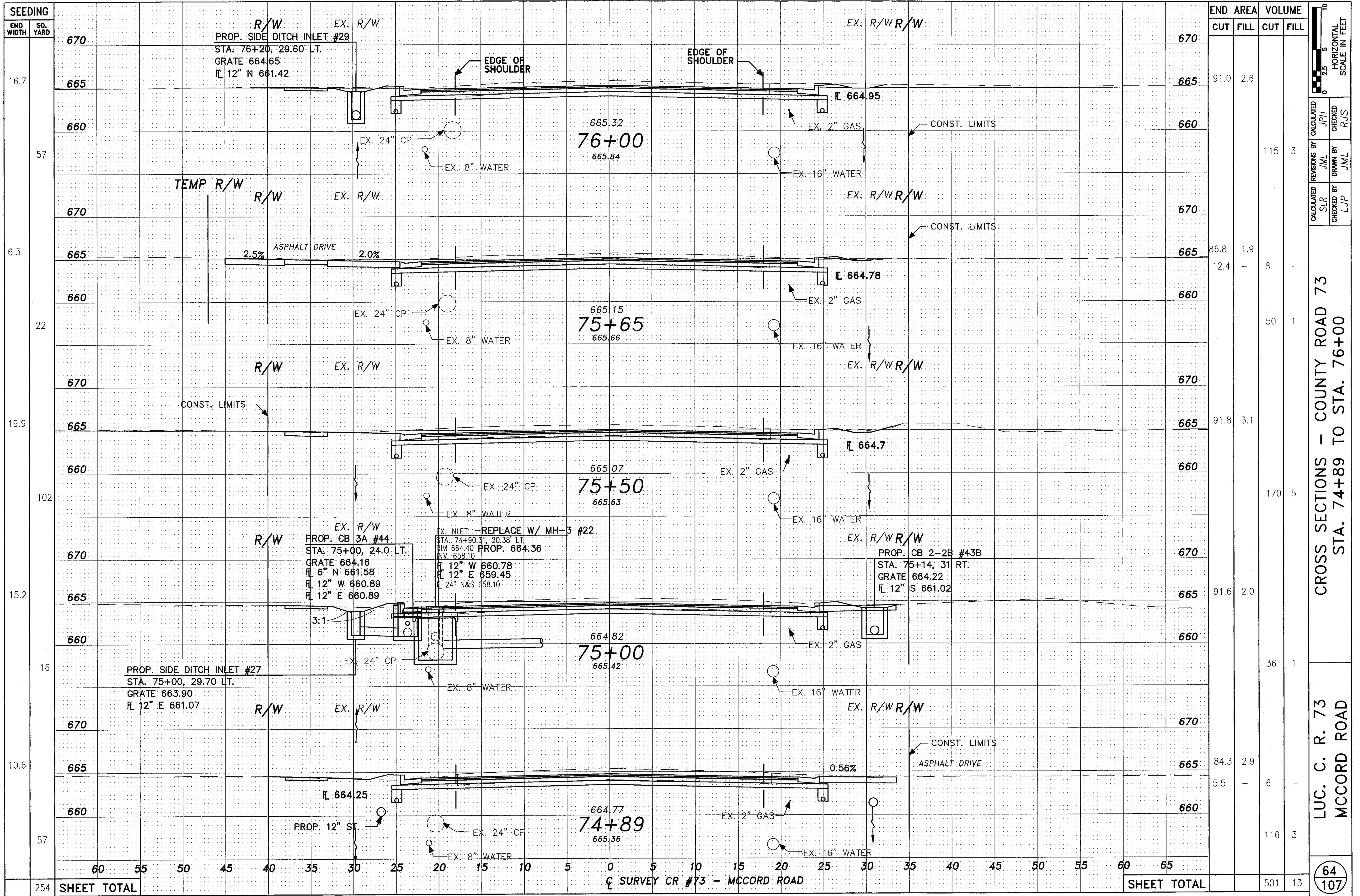
CROSS SECTIONS - COUNTY ROAD 73
 STA. 73+50 TO STA. 74+53
 LUC. C. R. 73
 MCCORD ROAD
 63
 107

SEEDING
 END WIDTH SQ. YARD
 8.6
 3
 5.8
 45
 10.7
 40
 17.0
 90
 10.7
 10
 188 SHEET TOTAL

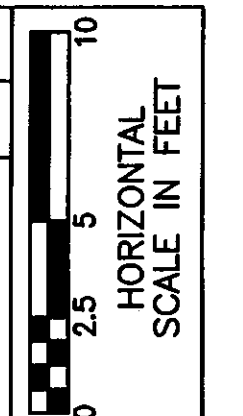


CALCULATED BY JPH
 CHECKED BY RJS
 REVISIONS BY JML
 DRAWN BY JML
 SLR
 LJP

Q SURVEY CR #73 - MCCORD ROAD



SEEDING	END AREA		VOLUME	
	CUT	FILL	CUT	FILL
16.7				
57				
6.3				
22				
19.9				
102				
15.2				
16				
10.6				
57				
254	SHEET TOTAL		501	13



CALCULATED BY	JPH	CHECKED BY	RJS
REVISIONS BY	JML	DRAWN BY	JML
CALCULATED BY	SLR	CHECKED BY	LJP

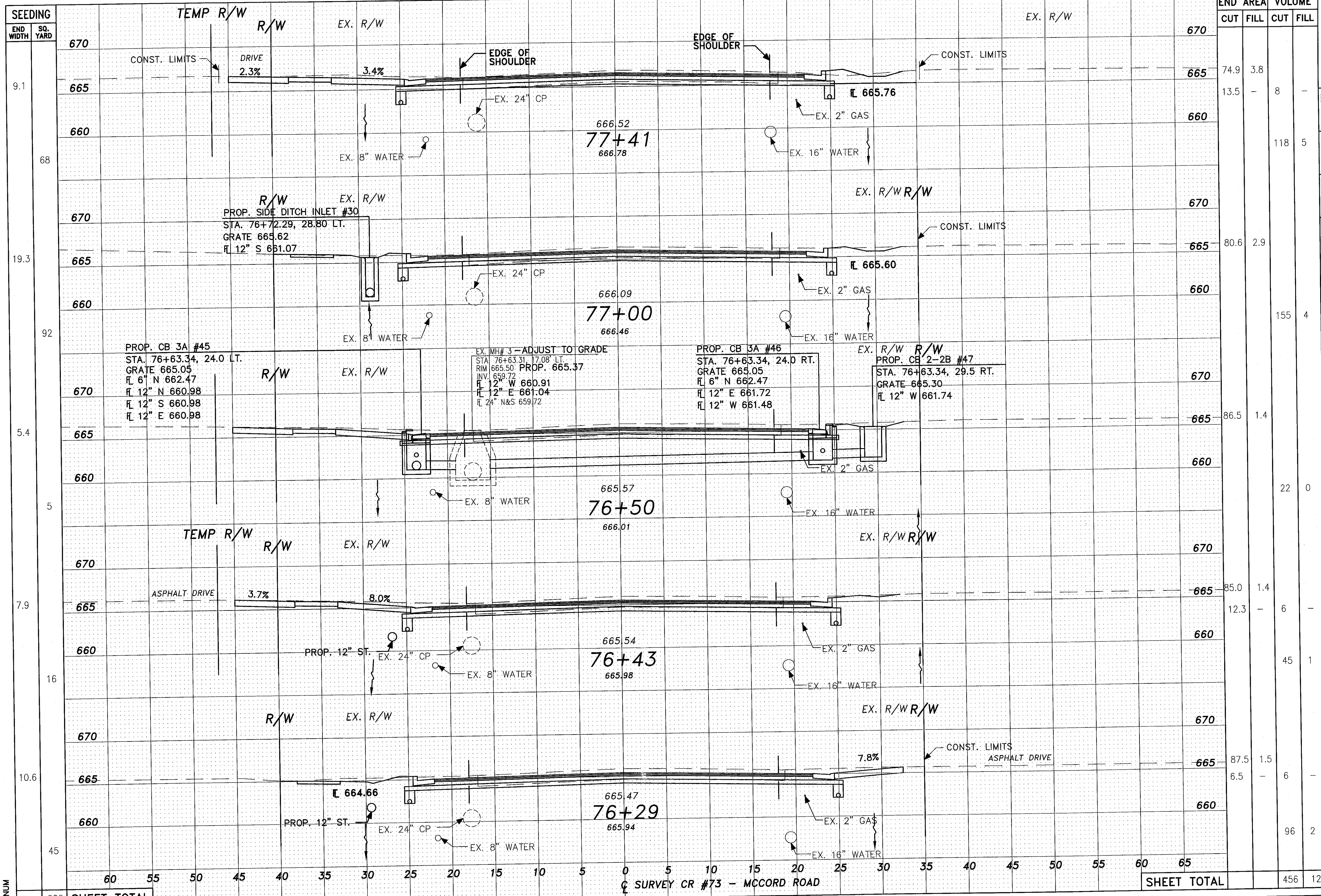
CROSS SECTIONS - COUNTY ROAD 73
STA. 74+89 TO STA. 76+00

LUC. C. R. 73
MCCORD ROAD

64
107

SHTNUM

Q SURVEY CR #73 - MCCORD ROAD



SEEDING	END AREA		VOLUME	
	CUT	FILL	CUT	FILL
670				
665	74.9	3.8		
660			118	5
670				
665	80.6	2.9		
660			155	4
670				
665	86.5	1.4		
660			22	0
670				
665	85.0	1.4		
660	12.3		45	1
670				
665	87.5	1.5		
660	6.5		96	2
SHEET TOTAL			456	12

CROSS SECTIONS - COUNTY ROAD 73
 STA. 76+29 TO STA. 77+41
 LUC. C. R. 73
 MCCORD ROAD

CALCULATED BY JPH
 CHECKED BY RJS
 CALCULATED BY JML
 CHECKED BY JML
 CALCULATED BY LJP
 CHECKED BY LJP

65
 107

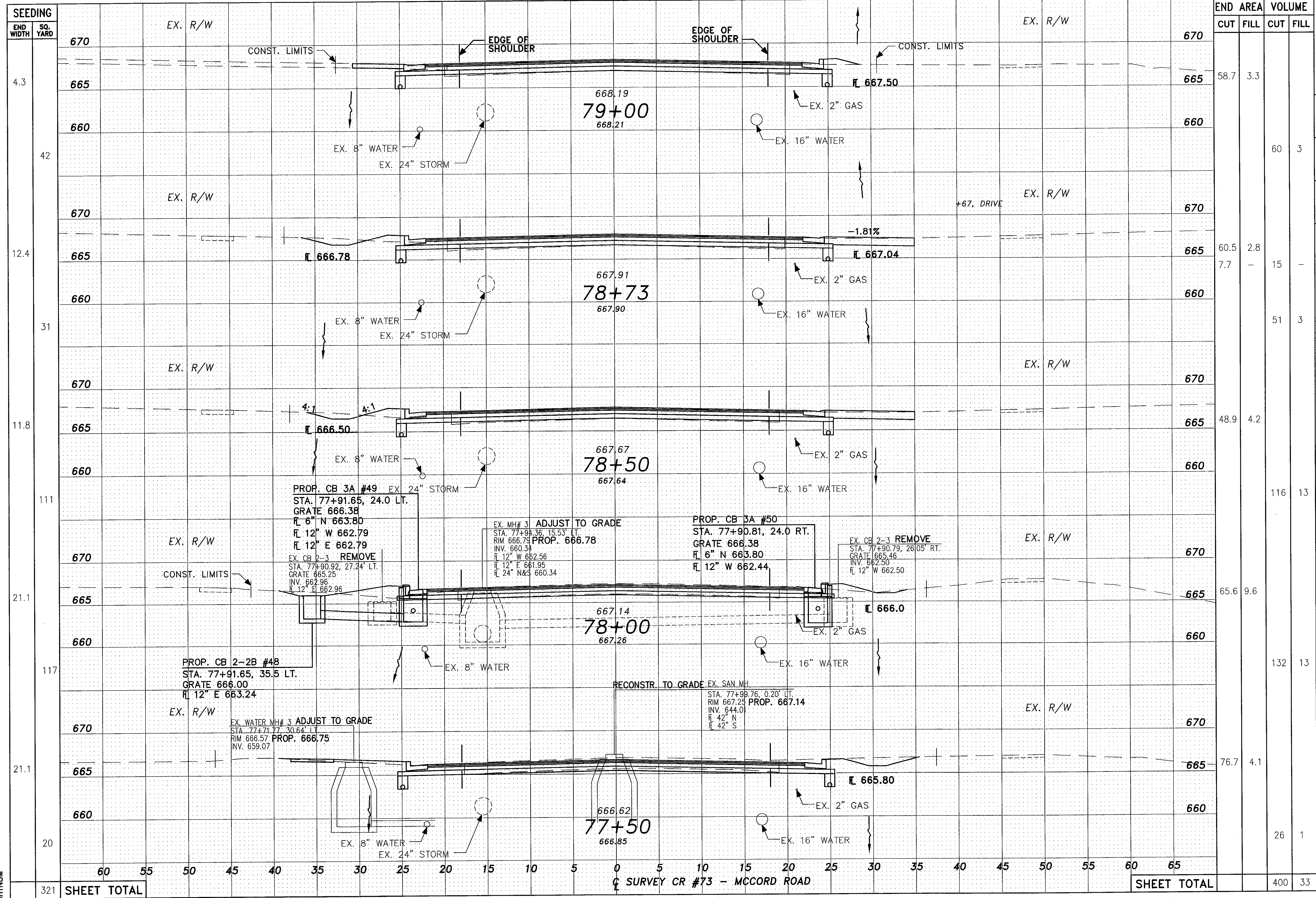
SHTNUM

226 SHEET TOTAL

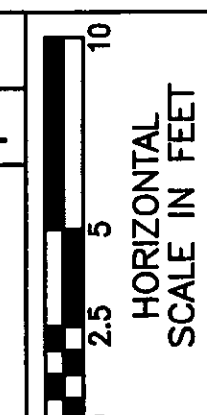
SURVEY CR #73 - MCCORD ROAD

SHEET TOTAL

65
 107



SEEDING	END WIDTH	SQ. YARD	EX. R/W	CONST. LIMITS	EDGE OF SHOULDER	EDGE OF SHOULDER	CONST. LIMITS	EX. R/W	670	665	660	END AREA		VOLUME		
												CUT	FILL	CUT	FILL	
4.3									670	665	660	58.7	3.3			
42									670	665	660			60	3	
12.4									670	665	660	60.5	2.8			
									670	665	660	7.7	-	15	-	
31									670	665	660			51	3	
11.8									670	665	660	48.9	4.2			
									670	665	660			116	13	
21.1									670	665	660	65.6	9.6			
									670	665	660			132	13	
21.1									670	665	660	76.7	4.1			
20									670	665	660			26	1	
321	SHEET TOTAL														400	33



REVISIONS BY
 CALCULATED BY JPH
 SLR
 CHECKED BY LJP
 DRAWN BY JML
 RJS

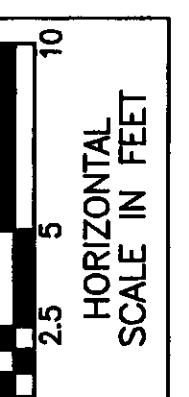
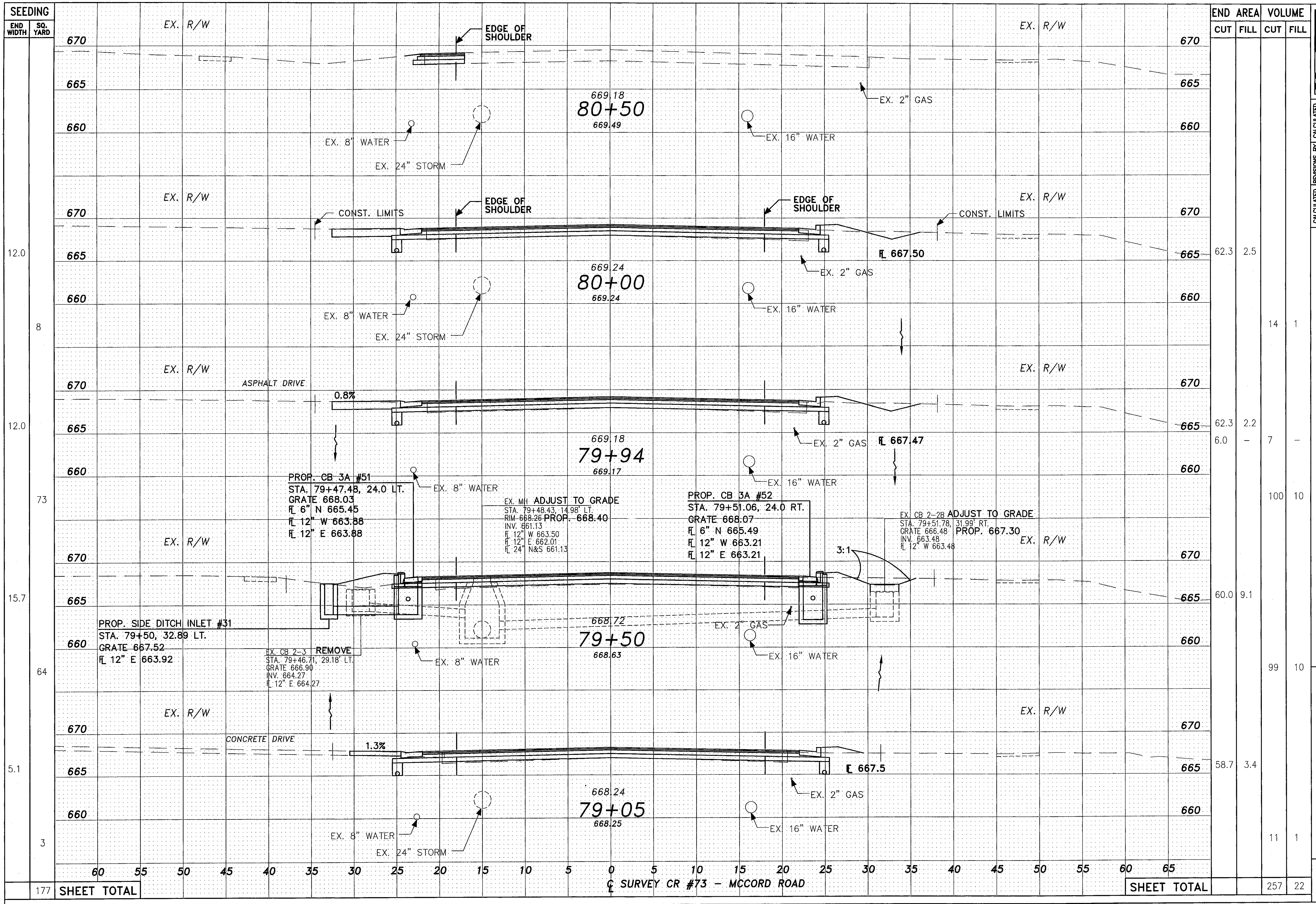
CROSS SECTIONS - COUNTY ROAD 73
 STA. 77+50 TO STA. 79+00

LUC. C. R. 73
 MCCORD ROAD

66
 107

SHEET TOTAL

SURVEY CR #73 - MCCORD ROAD



REVISIONS BY
 CALCULATED BY JPH
 SLR
 CHECKED BY RJS
 DRAWN BY JML
 CHECKED BY LJP

CROSS SECTIONS - COUNTY ROAD 73
 STA. 79+05 TO STA. 80+50

LUC. C. R. 73
 MCCORD ROAD

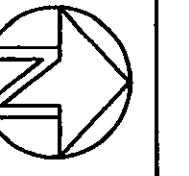
67
 107

SHEET NO.

177 SHEET TOTAL

SURVEY CR #73 - MCCORD ROAD

SHEET TOTAL



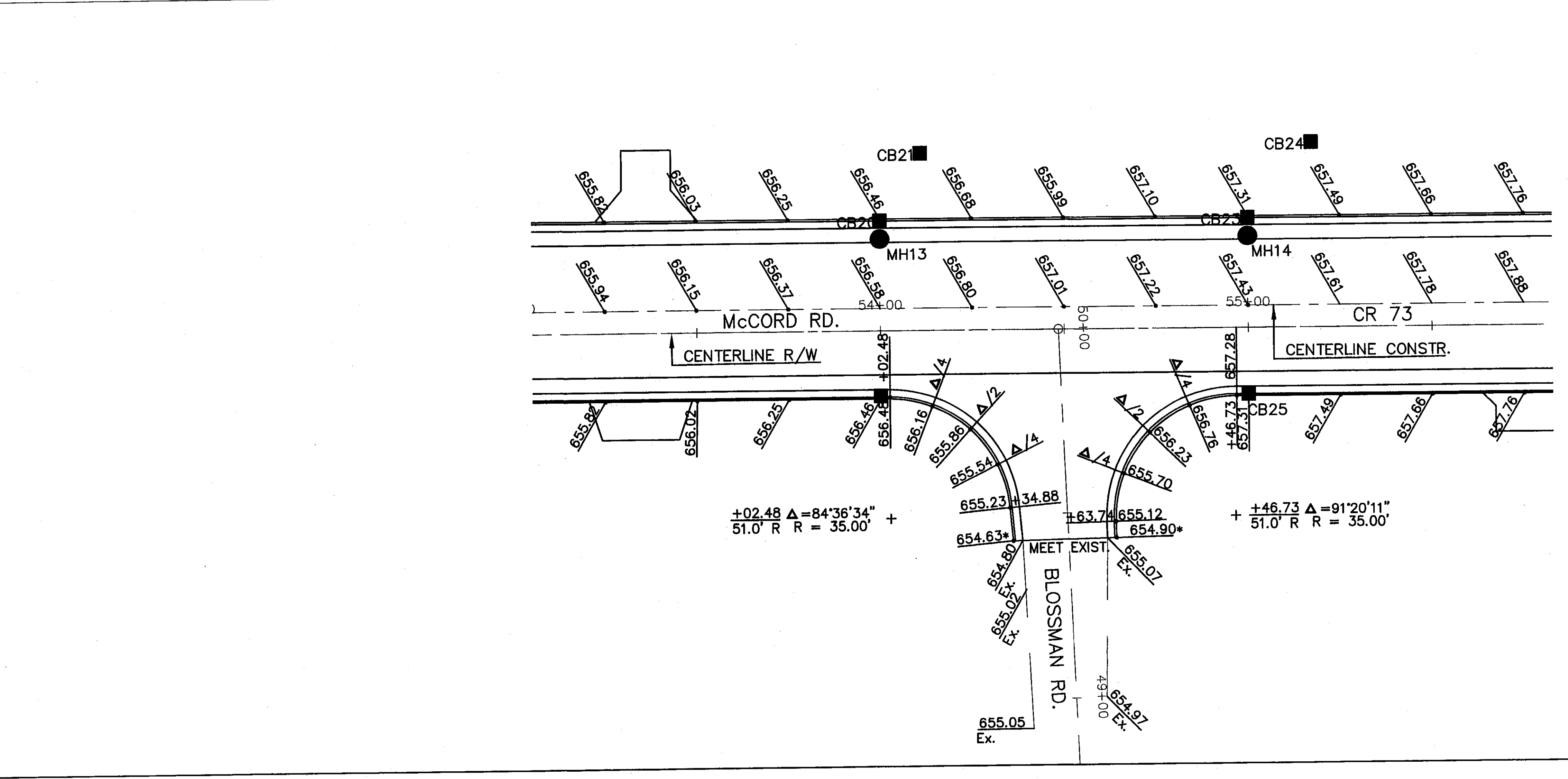
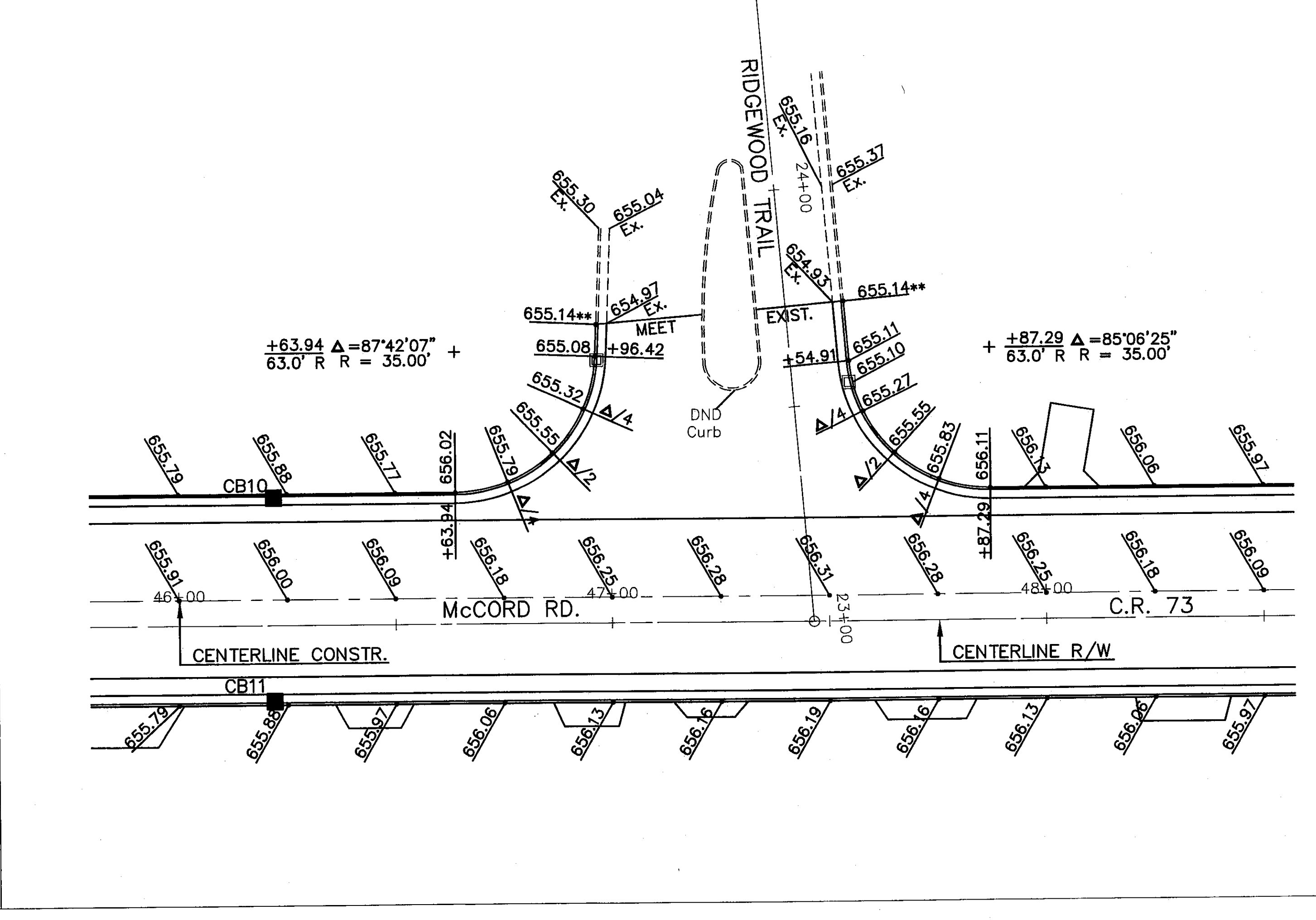
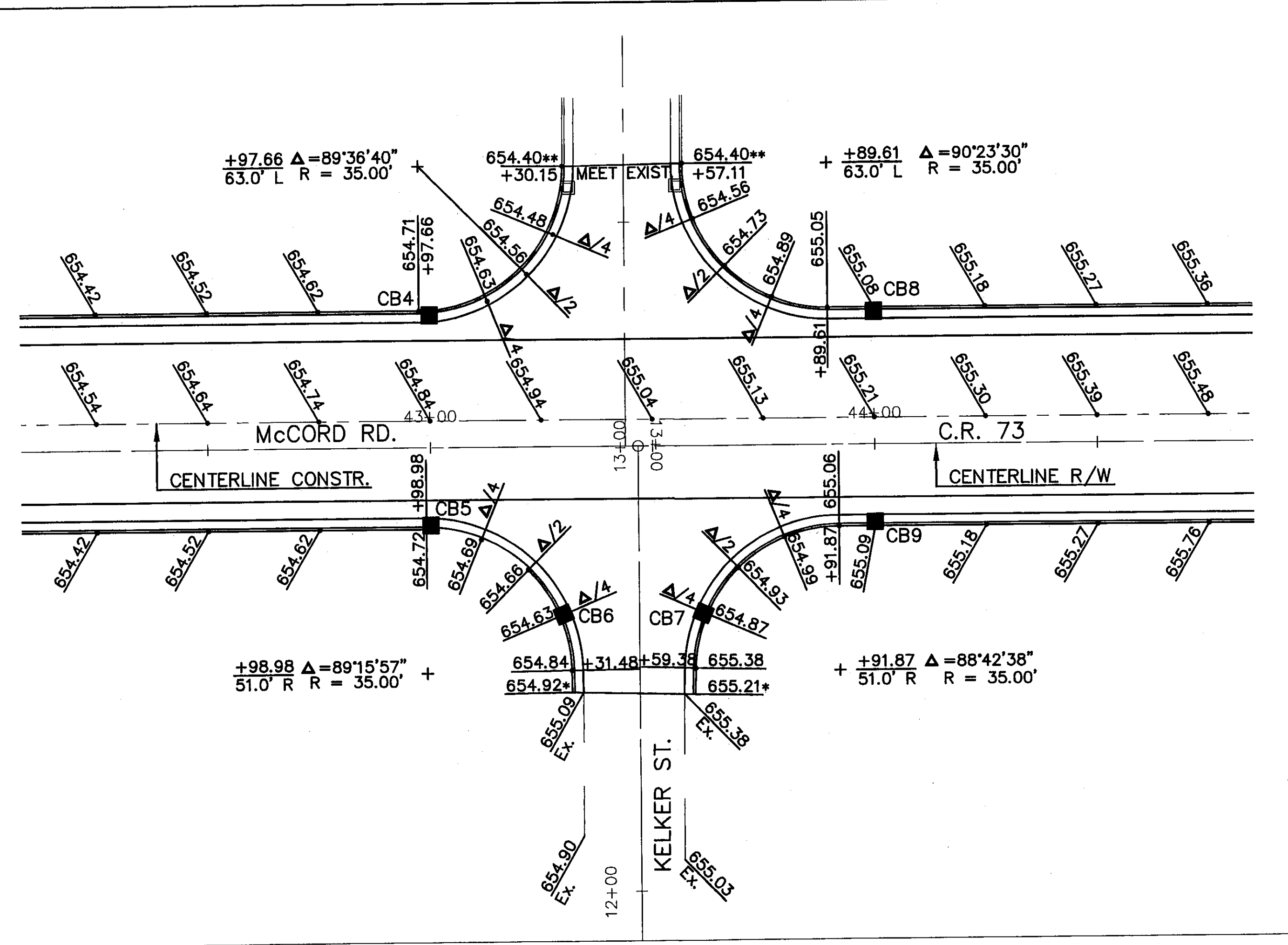
SCALE: 1" = 20' 0"

DESIGNED BY: RUS
 DRAWN BY: LMM
 CHECKED BY: JML

INTERSECTION DETAILS
 KELKER ROAD, RIDGEWOOD TRAIL, AND BLOSSMAN ROAD

COUNTY ROAD 73
 McCORD ROAD

68
 107



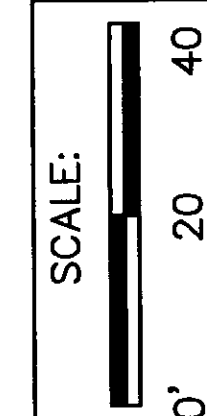
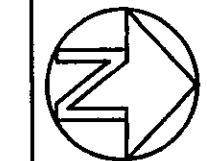
* Transition curb & gutter to 0" curb height in last 10 feet.

** Transition curb & gutter to meet existing mountable curb & gutter.

NOTES:

- Deduct 4" from curb elevation at drives to obtain top of drop curb elevation.

- Elevations at curb & gutter denote top of curb elevation.

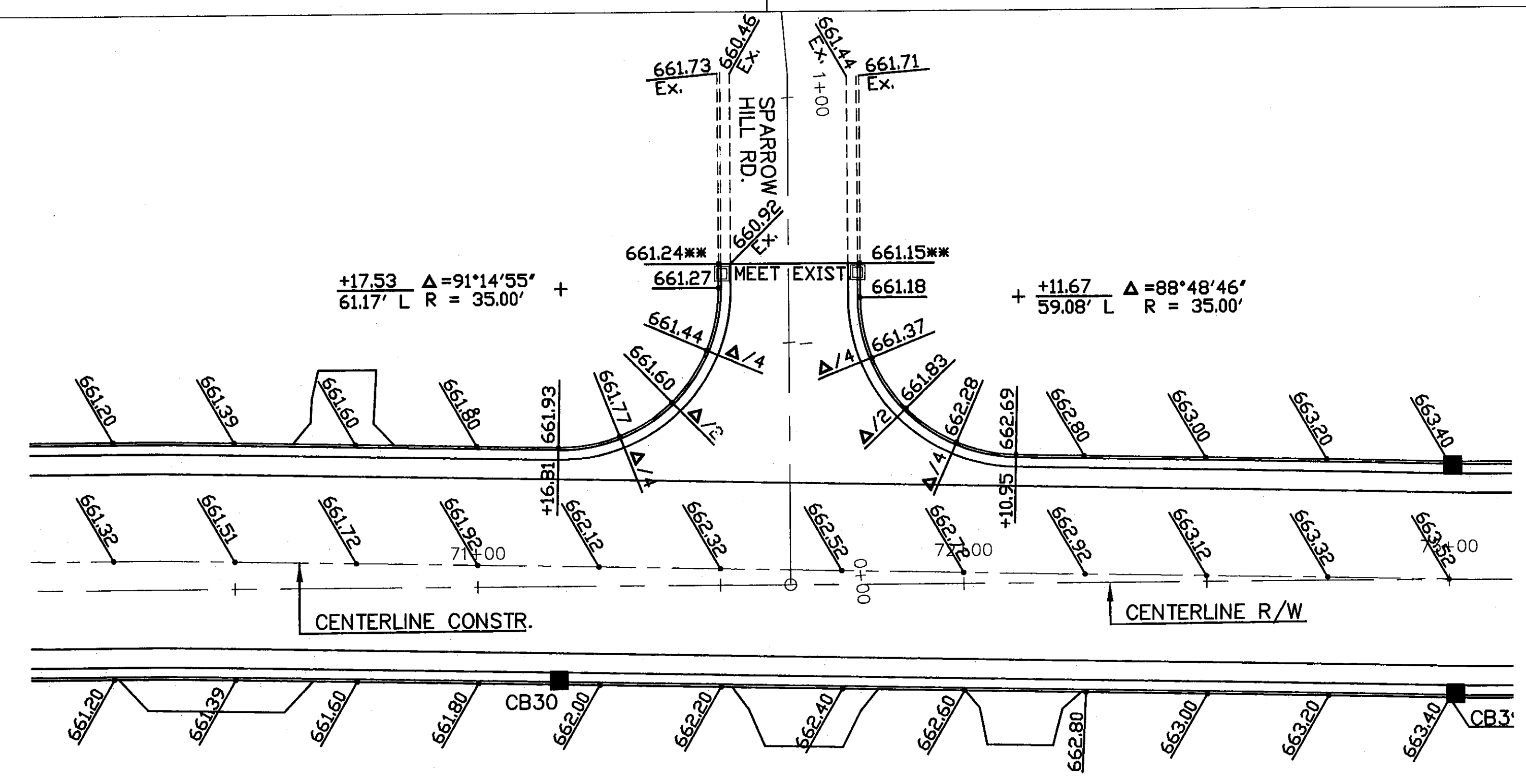
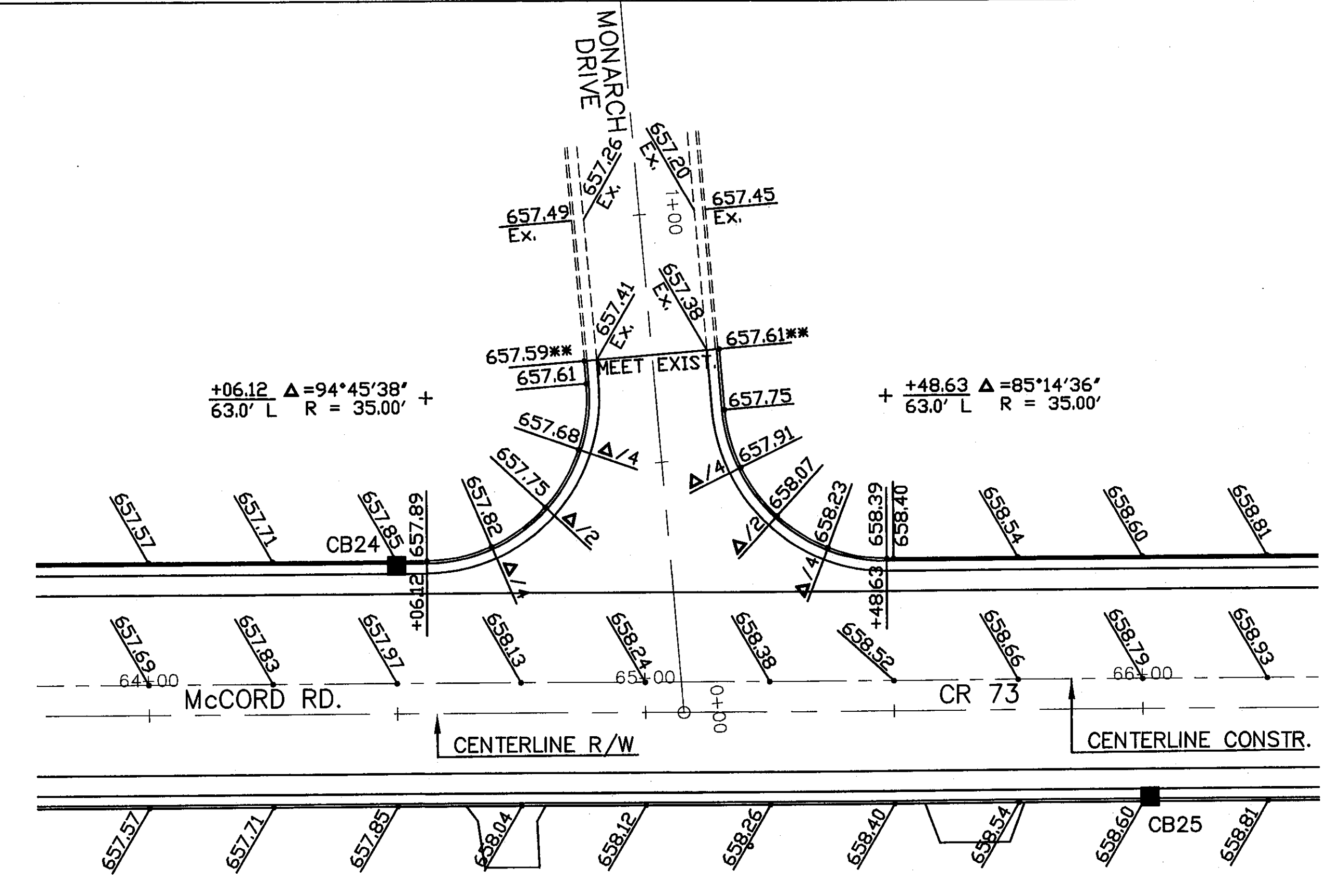
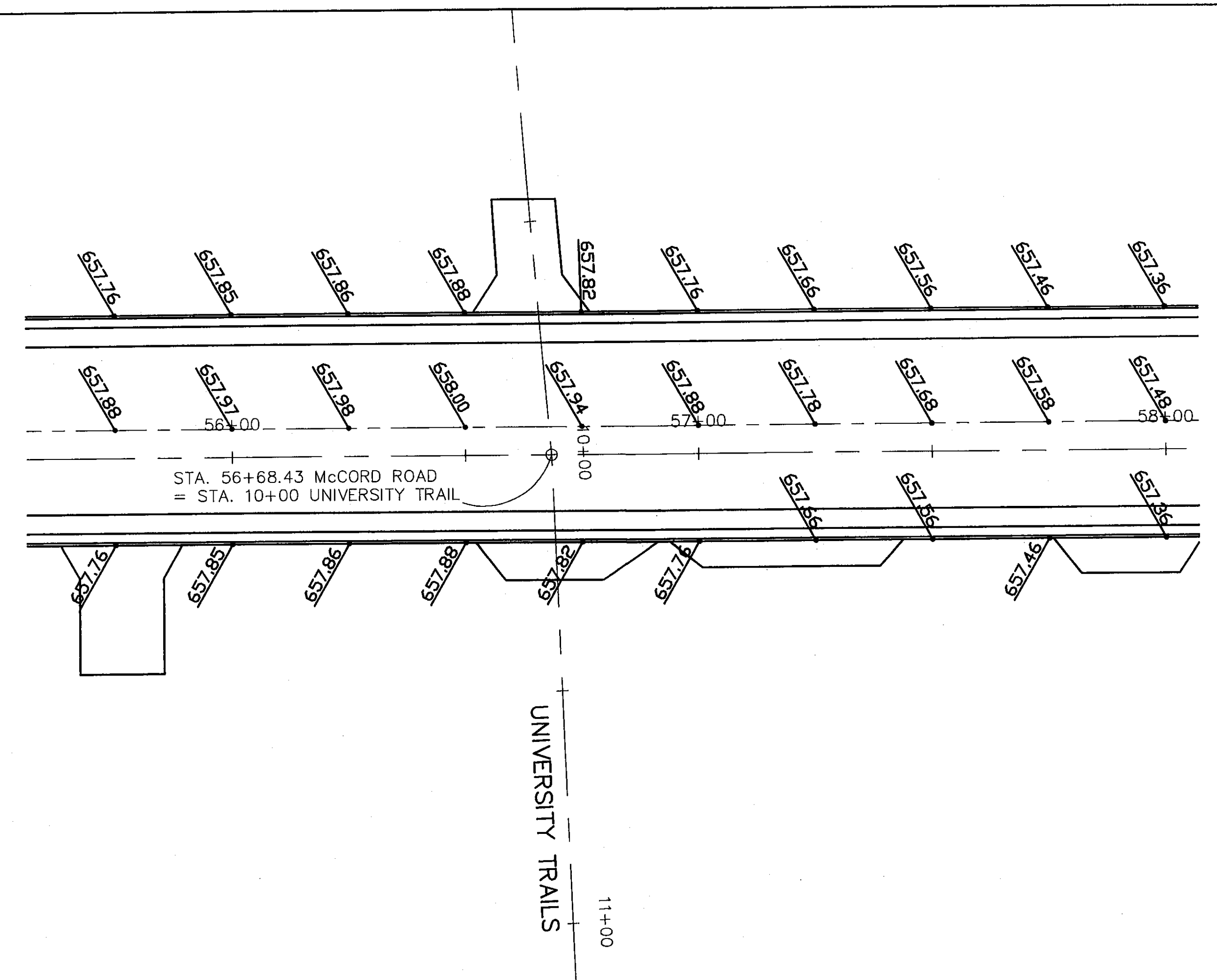


DESIGNED BY: RJS
 DRAWN BY: LMM
 REVISIONS BY: JML
 DRAWN BY: JML

INTERSECTION DETAILS
 UNIVERSITY TRAILS, MONARCH DRIVE, AND SPARROW HILL ROAD

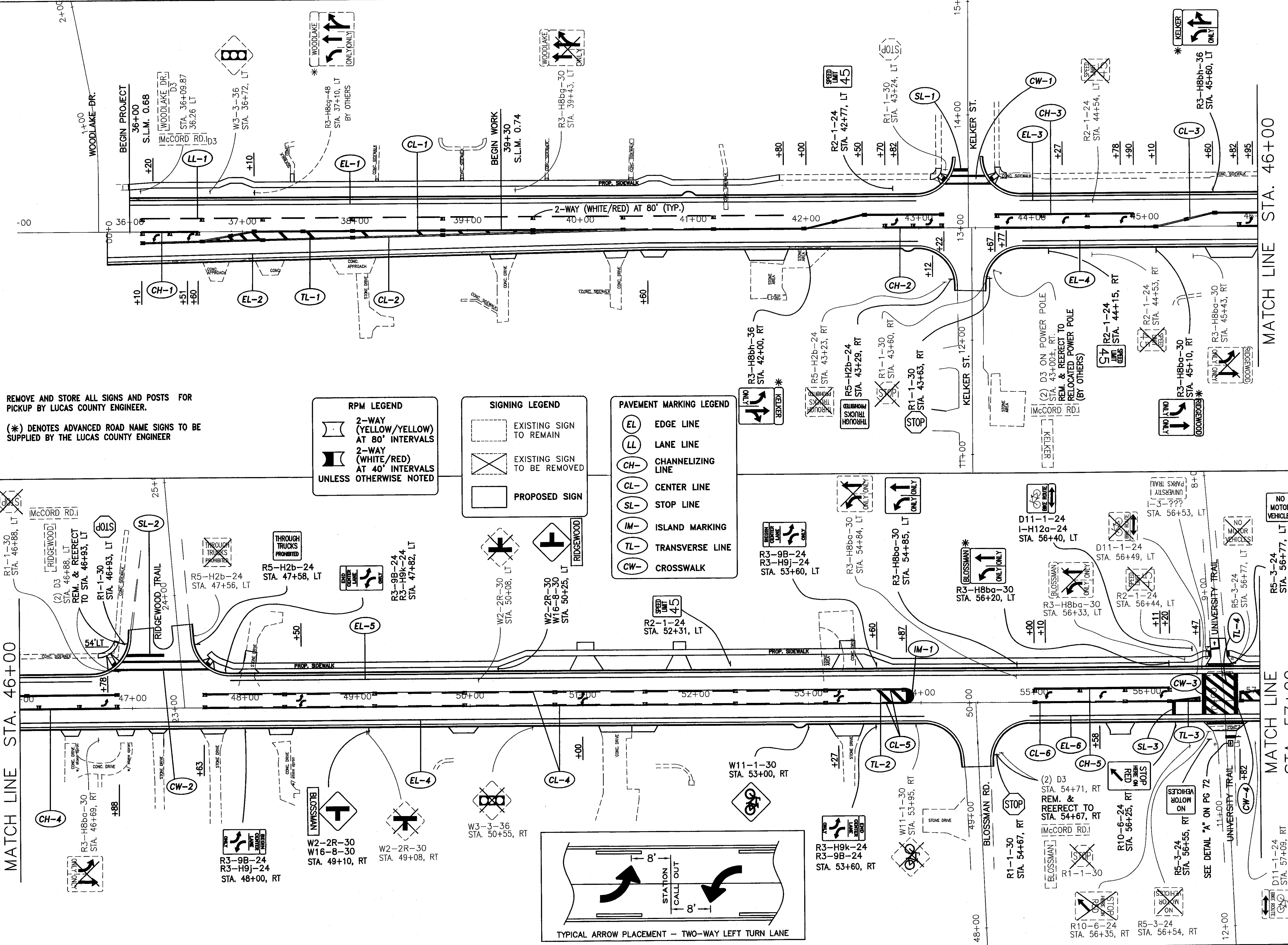
COUNTY ROAD 73
 MCCORD ROAD

69
 107



* Transition curb & gutter to 0" curb height in last 10 feet.
 ** Transition curb & gutter to meet existing mountable curb & gutter.

NOTES:
 - Deduct 4" from curb elevation at drives to obtain top of drop curb elevation.
 - Elevations at curb & gutter denote top of curb elevation.



NOTES: REMOVE AND STORE ALL SIGNS AND POSTS FOR PICKUP BY LUCAS COUNTY ENGINEER.
 (*) DENOTES ADVANCED ROAD NAME SIGNS TO BE SUPPLIED BY THE LUCAS COUNTY ENGINEER

RPM LEGEND

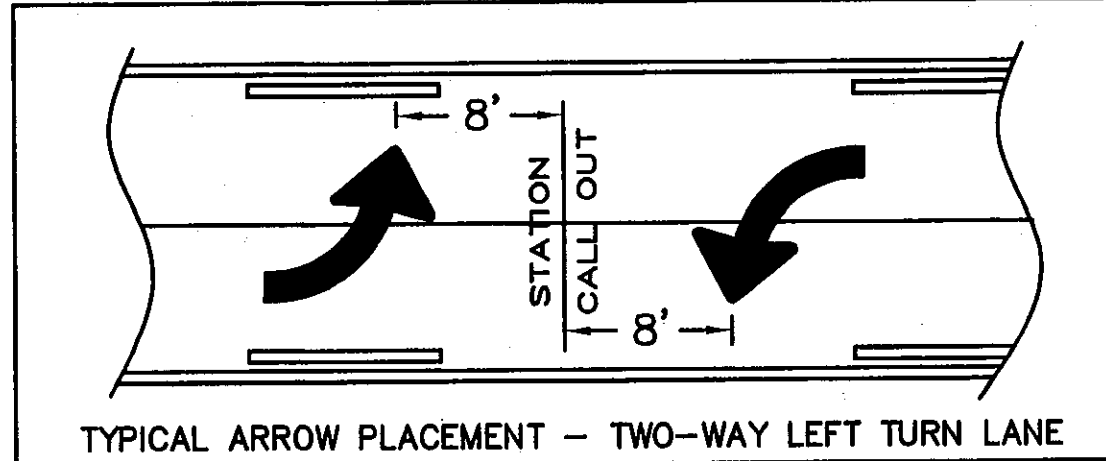
- 2-WAY (YELLOW/YELLOW) AT 80' INTERVALS
- 2-WAY (WHITE/RED) AT 40' INTERVALS UNLESS OTHERWISE NOTED

SIGNING LEGEND

- EXISTING SIGN TO REMAIN
- EXISTING SIGN TO BE REMOVED
- PROPOSED SIGN

PAVEMENT MARKING LEGEND

- EDGE LINE
- LANE LINE
- CHANNELIZING LINE
- CENTER LINE
- STOP LINE
- ISLAND MARKING
- TRANSVERSE LINE
- CROSSWALK



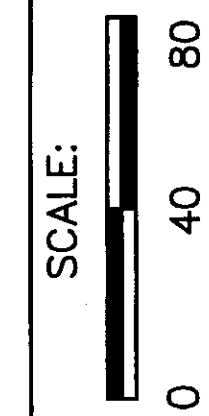
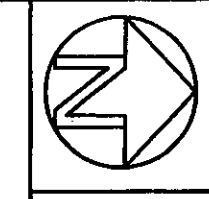
SIGNING AND STRIPING PLAN - McCord Road
BEGINNING TO STA. 57+00

LUC. C. R. NO. CR73
McCord Road

(70)
107

REVISIONS: DESIGNED BY: PWH
GJT
DRAWN BY: KPW
RJS

SCALE: 1" = 40'
0 40 80



REVISIONS: DESIGNED BY: PWH
DRAWN BY: KPW
CHECKED BY: RJS

SIGNING AND STRIPING PLAN - McCORD ROAD
STA. 57+00 TO STA. 79+00

LUCAS COUNTY ENGINEER
LUC. C. R. NO. CR73
McCORD ROAD

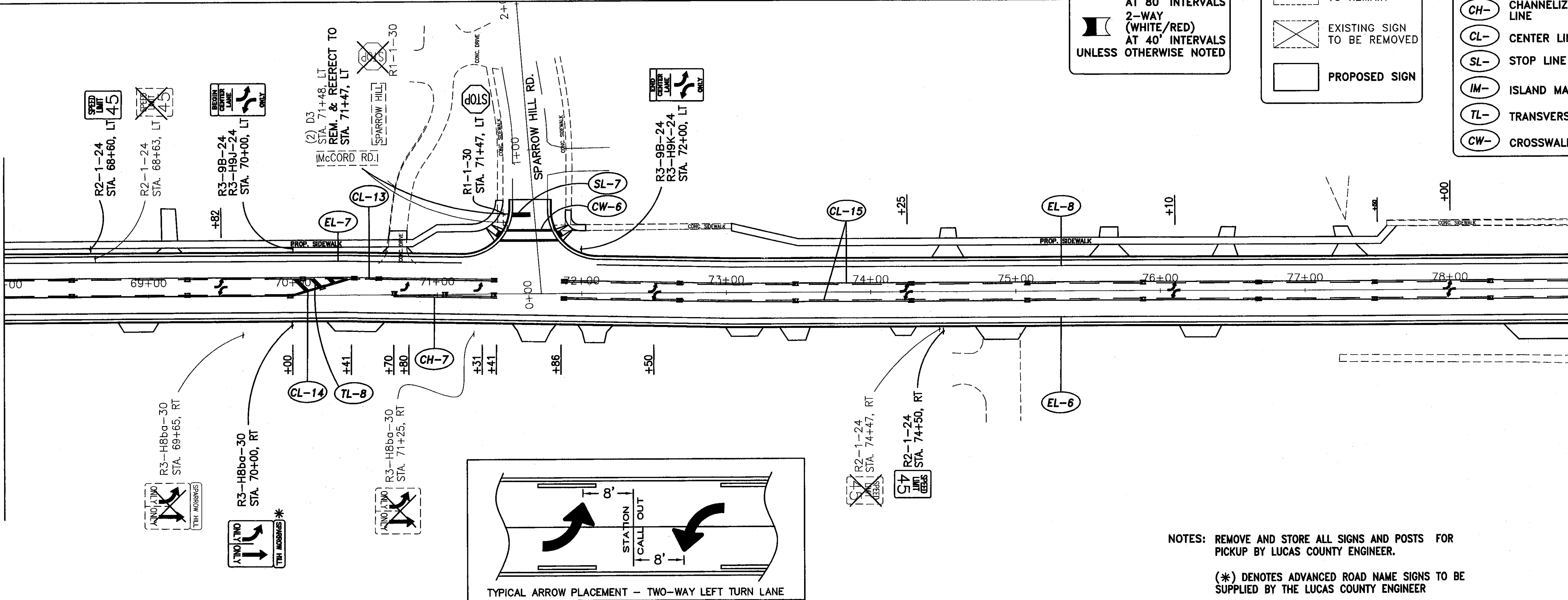
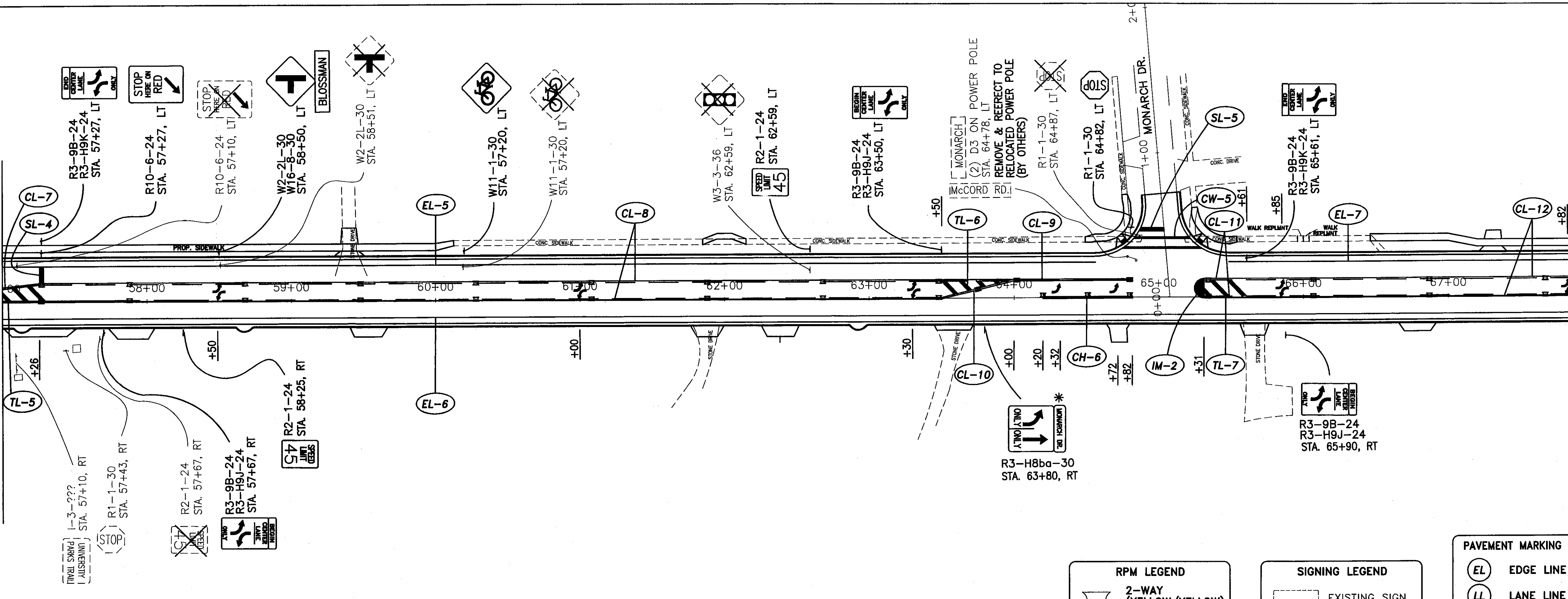
71
107

MATCH LINE STA. 57+00

MATCH LINE STA. 68+00

MATCH LINE STA. 68+00

MATCH LINE STA. 79+00



RPM LEGEND

2-WAY (YELLOW/YELLOW) AT 80' INTERVALS

2-WAY (WHITE/RED) AT 40' INTERVALS UNLESS OTHERWISE NOTED

SIGNING LEGEND

EXISTING SIGN TO REMAIN

EXISTING SIGN TO BE REMOVED

PROPOSED SIGN

PAVEMENT MARKING LEGEND

EDGE LINE

LANE LINE

CHANNELIZING LINE

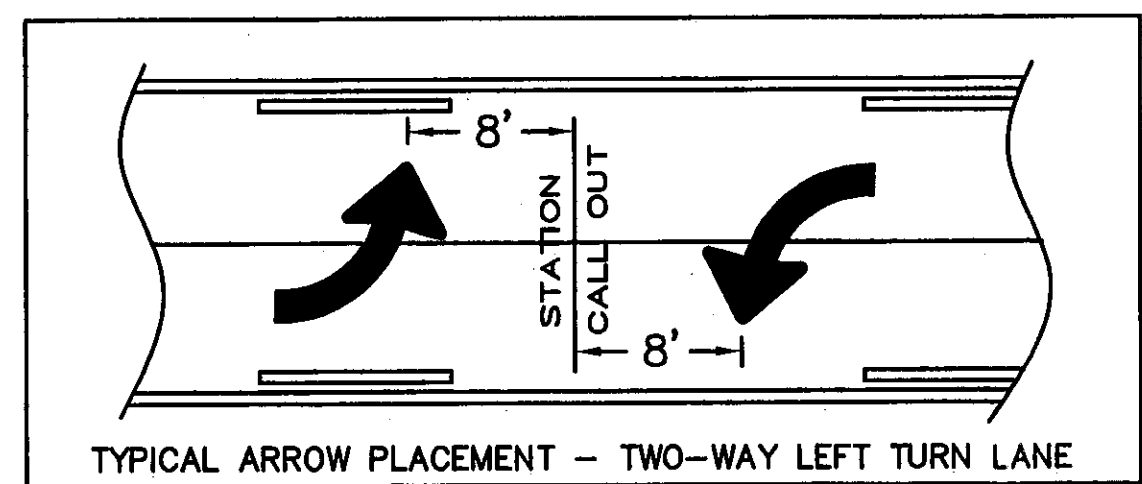
CENTER LINE

STOP LINE

ISLAND MARKING

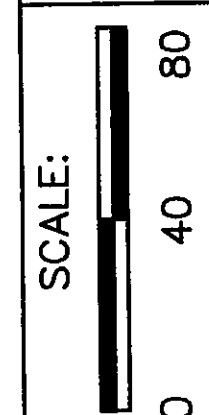
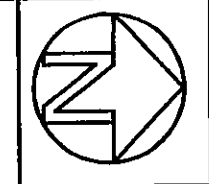
TRANSVERSE LINE

CROSSWALK



NOTES: REMOVE AND STORE ALL SIGNS AND POSTS FOR PICKUP BY LUCAS COUNTY ENGINEER.

(*) DENOTES ADVANCED ROAD NAME SIGNS TO BE SUPPLIED BY THE LUCAS COUNTY ENGINEER



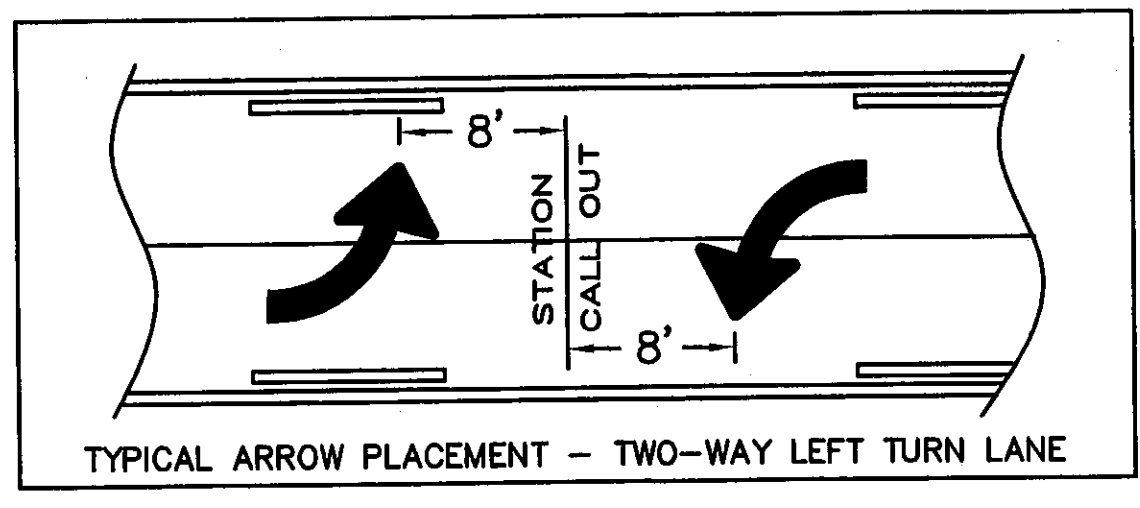
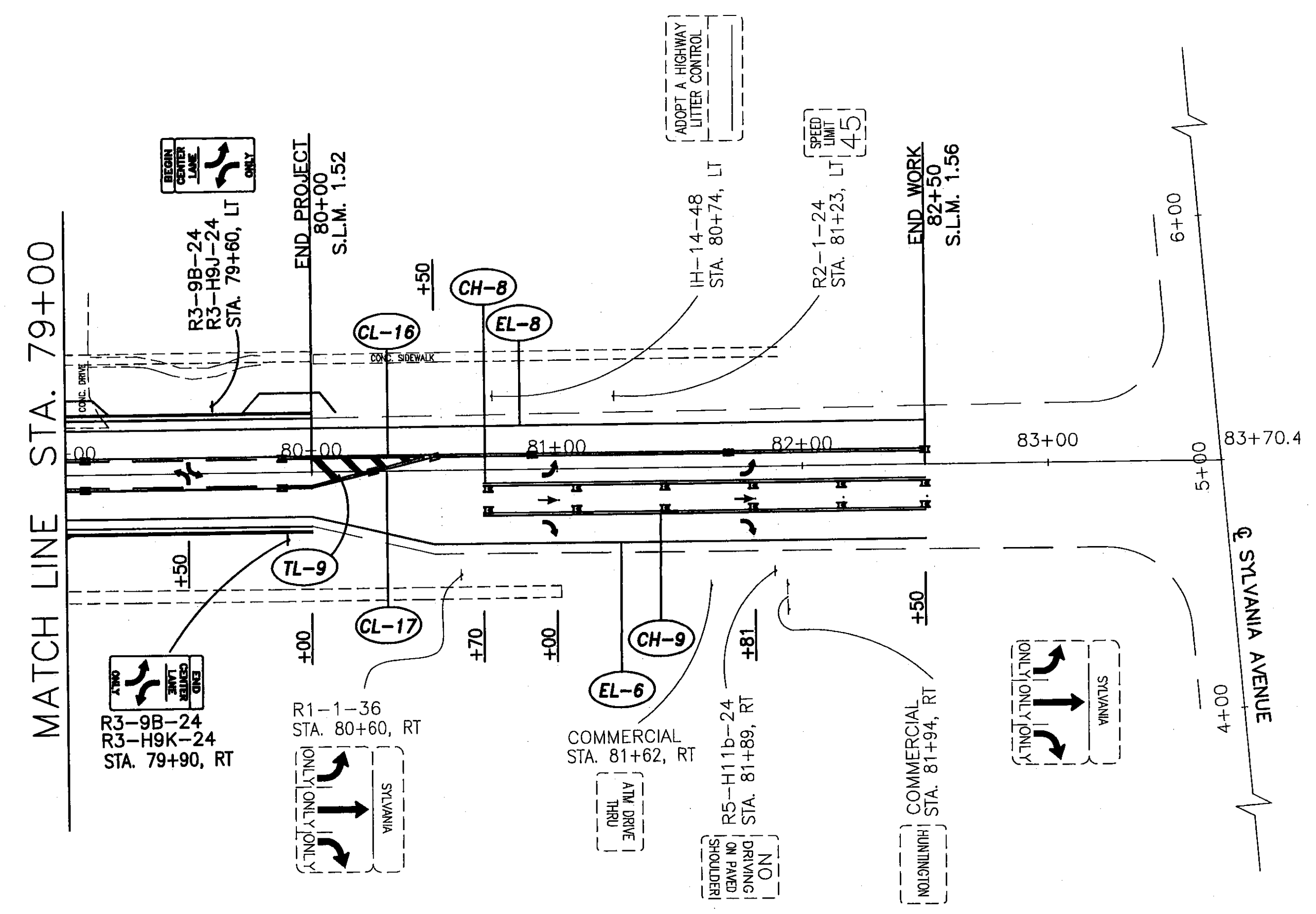
DESIGNED BY: PWH
 GUT: KPW
 DRAWN BY: RJS

SIGNING AND STRIPING PLAN - McCORD ROAD
 STA. 79+00 TO END

LUC. C. R. NO. CR73
 McCORD ROAD

NOTES: REMOVE AND STORE ALL SIGNS AND POSTS FOR PICKUP BY LUCAS COUNTY ENGINEER.

(*) DENOTES ADVANCED ROAD NAME SIGNS TO BE SUPPLIED BY THE LUCAS COUNTY ENGINEER



RPM LEGEND

- 2-WAY (YELLOW/YELLOW) AT 80' INTERVALS
- 2-WAY (WHITE/RED) AT 40' INTERVALS UNLESS OTHERWISE NOTED

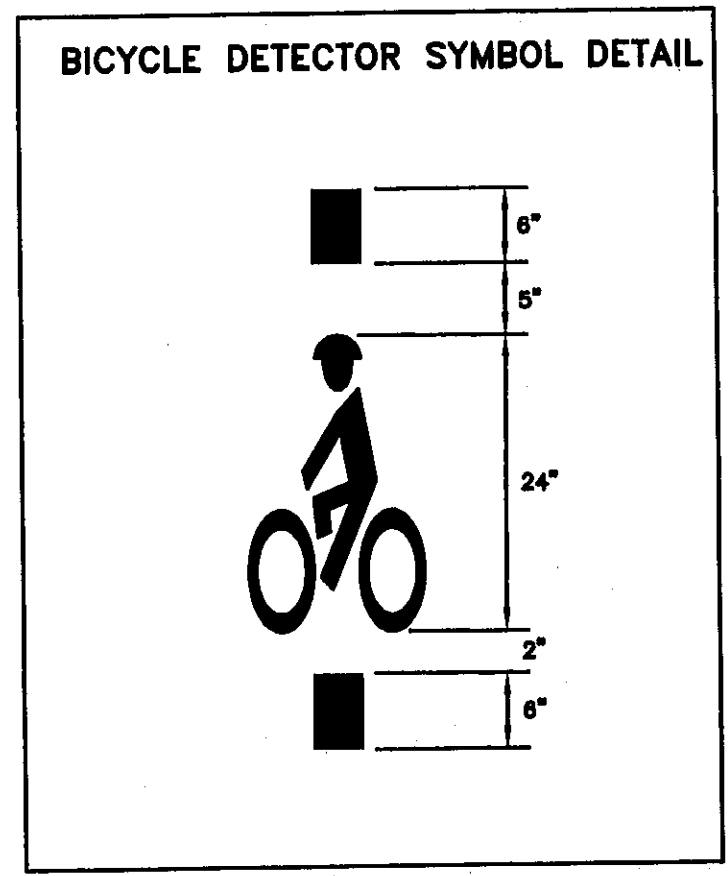
SIGNING LEGEND

- EXISTING SIGN TO REMAIN
- EXISTING SIGN TO BE REMOVED
- PROPOSED SIGN

PAVEMENT MARKING LEGEND

- EL - EDGE LINE
- LL - LANE LINE
- CH - CHANNELIZING LINE
- CL - CENTER LINE
- SL - STOP LINE
- IM - ISLAND MARKING
- TL - TRANSVERSE LINE
- CW - CROSSWALK

DETAIL A



ITEM 644. BICYCLE DETECTOR SYMBOL, AS PER PLAN
 IN ADDITION TO THE REQUIREMENTS OF CMS 644 AND 740, THE FOLLOWING REQUIREMENTS SHALL ALSO APPLY:

THIS ITEM SHALL CONSIST OF FURNISHING AND INSTALLING THE BICYCLE DETECTOR SYMBOL PAVEMENT MARKING SPECIFIED IN DETAIL "A". THE BICYCLE DETECTOR SYMBOL SHALL BE INSTALLED ON THE ASPHALT DIRECTLY ON TOP OF THE BICYCLE LOOP DETECTORS CALLED OUT AS "ADD-1a" AND "ADD-2" ON PG (75 OF 107) OF THIS PROJECT.

7b

SIGN IDENTIFICATION STICKER
 USE STICKERS AS PER 630.04 EXCEPT AS FOLLOWS:
 INDICATE OWNERSHIP AS PROPERTY OF "LUCAS COUNTY ENGINEER 419-893-2232" RATHER THAN "STATE OF OHIO".

TRAFFIC SIGNAL GENERAL NOTES

GROUNDING AND BONDING

THE REQUIREMENTS OF THE CONSTRUCTION AND MATERIAL SPECIFICATIONS (C&MS) AND THE HL AND TC SERIES OF STANDARD CONSTRUCTION DRAWINGS ARE MODIFIED AS FOLLOWS :

1. ALL METALLIC PARTS CONTAINING ELECTRICAL CONDUCTORS SHALL BE PERMANENTLY JOINED TO FORM AN EFFECTIVE GROUND FAULT CURRENT PATH BACK TO THE GROUNDED CONDUCTOR IN THE POWER SERVICE DISCONNECT SWITCH.
 - A. PROVIDE AN EQUIPMENT GROUNDING CONDUCTOR IN METALLIC CONDUITS (725.04) IN ADDITION TO THE CONDUCTORS SPECIFIED AND BOND THE CONDUIT TO THIS GROUNDING CONDUCTOR.
 - B. WHEN AN EQUIPMENT GROUNDING CONDUCTOR IS REQUIRED IN PLASTIC CONDUIT (725.05), THE INSTALLATION SHALL INCLUDE A SEPARATE EQUIPMENT GROUNDING CONDUCTOR IN ADDITION TO THE CONDUCTORS SPECIFIED.
 - C. METALLIC CONDUIT CARRYING THE LOOP WIRES FROM IN THE PAVEMENT TO THE PULL BOX SPLICE LOCATION WILL ONLY BE BONDED AT THE PULL BOX END, AND WILL NOT CONTAIN AN EQUIPMENT GROUNDING CONDUCTOR.
 - D. METAL PULL BOX LIDS SHALL BE BONDED BY ATTACHMENT OF THE EQUIPMENT GROUNDING CONDUCTOR TO THE FRAME DIAGONAL AS PROVIDED ON HL-30.11
 - E. IF MULTIPLE CONDUIT RUNS BEGIN AND END AT THE SAME POINTS, ONLY ONE EQUIPMENT GROUNDING CONDUCTOR IS REQUIRED.
 - F. IF AN EQUIPMENT GROUNDING CONDUCTOR IS NEEDED IN CONDUIT BETWEEN SIGNALIZED INTERSECTIONS FOR UNDERGROUND INTERCONNECT CABLE, THE GROUNDING SYSTEM FOR EACH SIGNALIZED INTERSECTION WILL BE SEPARATED ABOUT MIDWAY BETWEEN THE INTERSECTIONS.
 - G. THE MESSENGER WIRE AT SIGNALIZED INTERSECTIONS WILL BE USED AS THE CONDUCTIVE PATH FROM CORNER TO CORNER IF CONDUIT IS NOT PROVIDED UNDER THE ROADWAY. WHEN CONDUIT CONNECTS THE CORNERS OF AN INTERSECTION, AN EQUIPMENT GROUNDING CONDUCTOR SHALL BE USED IN THE CONDUIT.
2. CONDUITS
 - A. THE 725.04 CONDUIT SHALL HAVE GROUNDING BUSHINGS INSTALLED AT ALL TERMINATION POINTS. THE BUSHING MATERIAL SHALL BE COMPATIBLE WITH GALVANIZED STEEL CONDUIT AND THE GROUNDING LUG MATERIAL SHALL BE COMPATIBLE FOR USE WITH COPPER WIRE. THREADED OR COMPRESSION TYPE BUSHINGS MAY BE USED.
 - B. THE 725.05 CONDUIT SHALL HAVE THE INSIDE AND OUTSIDE DIAMETERS OF THE CONDUIT DEBURRED AT ALL TERMINATION POINTS.
 - C. BOTH ENDS OF METALLIC CONDUIT SHALL BE BONDED TO THE EQUIPMENT GROUNDING CONDUCTOR.
 - D. METALLIC CONDUIT MAY BE BONDED TO METALLIC BOXES THROUGH THE USE OF CONDUIT FITTINGS UL APPROVED FOR THIS TYPE OF CONNECTION, WITH THE BOX BONDED TO THE EQUIPMENT GROUNDING CONDUCTOR.
3. WIRE FOR GROUNDING AND BONDING
 - A. USE INSULATED, COPPER WIRE FOR THE EQUIPMENT GROUNDING CONDUCTOR. BONDING JUMPERS IN BOXES AND ENCLOSURES MAY BE BARE OR INSULATED COPPER WIRE. WIRE SIZE SHALL BE AS FOLLOWS :
 - I. USE 4 AWG BETWEEN THE POWER SERVICE AND SUPPORTS, POLES, PEDESTALS, CONTROLLER OR FLASHER CABINETS.
 - II. USE A MINIMUM 8 AWG BETWEEN LOOP DETECTOR PULL BOXES AND THE FIRST CONDUIT THAT REQUIRES A LARGER SIZE AS SPECIFIED IN 3. A.I. ABOVE.
 - III. USE A MINIMUM 8 AWG BETWEEN THE "PREPARE TO STOP WHEN FLASHING" INSTALLATION (INCLUDING SUPPORT) AND THE FIRST CONDUIT THAT REQUIRES A LARGER SIZE AS SPECIFIED IN 3.A.I. ABOVE.
 - IV. THE INSULATION SHALL BE GREEN OR GREEN WITH YELLOW STRIPE(S). FOR 4 AWG OR LARGER, INSULATION MAY ALSO BE BLACK WITH GREEN TAPE/LABELS INSTALLED AT ALL ACCESS POINTS.
 - B. IN A HIGHWAY LIGHTING SYSTEM, THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE THE SAME WIRE SIZE AS THE DUCT CABLE OR DISTRIBUTION CABLE CIRCUIT CONDUCTORS, WITH THE MINIMUM CONDUCTOR SIZE OF 4 AWG. BONDING JUMPERS WILL BE MINIMUM SIZE 4 AWG.

4. GROUND ROD

- A. A 3/4 INCH SCHEDULE 40 PVC CONDUIT WILL BE USED IN FOUNDATIONS AND CONCRETE WALLS FOR THE GROUNDING CONDUCTOR (GROUND WIRE) RACEWAY TO THE GROUND ROD. SHOULD METALLIC CONDUIT BE USED, BOTH ENDS OF THE CONDUIT SHALL BE BONDED TO THE GROUNDING CONDUCTOR.
- B. THE TYPICAL GROUNDING CONDUCTOR (GROUND WIRE) SHALL BE 4 AWG INSULATED, COPPER.

5. THE GREEN CONDUCTOR IN SIGNAL CABLES (CONDUCTOR #4) SHALL NOT BE USED TO SUPPLY POWER TO A SIGNAL INDICATION. IT WILL BE CONNECTED TO THE SIGNAL BODY AS AN EQUIPMENT GROUND IN ALUMINUM HEADS AND IT WILL BE UNUSED IN PLASTIC HEADS. UNUSED CONDUCTORS SHALL BE GROUNDED IN THE CABINET. TYPICAL USE OF CONDUCTORS IS AS FOLLOWS :

COND. NO.	COLOR	VEHICLE SIGNAL	PEDESTRIAN SIGNAL
1	BLACK	GREEN BALL	#1 WALK
2	WHITE	AC NEUTRAL	AC NEUTRAL
3	RED	RED BALL	#1 DW/FDW
4	GREEN	EQUIP. GROUND	EQUIP. GROUND
5	ORANGE	YELLOW BALL	#2 DW/FDW
6	BLUE	GREEN ARROW	#2 WALK
7	WHITE/BLACK STRIPE	YELLOW ARROW	NOT USED

6. POWER SERVICE AND DISCONNECT SWITCH

- A. AT THE POWER SERVICE LOCATION, THE GROUNDING CONDUCTOR (GROUND WIRE) FROM THE DISCONNECT SWITCH NEUTRAL (AC-) BAR TO THE GROUND ROD SHALL BE A CONTINUOUS, UNSPLICED CONDUCTOR. IF SPLICED, IT SHALL BE AN EXOTHERMIC WELD BUTT SPLICE.

- B. THE SERVICE NEUTRAL (AC-) SHALL ONLY BE CONNECTED TO GROUND AT THE PRIMARY POWER SERVICE DISCONNECT SWITCH.

- I. NEMA CONTROLLER CABINETS : IF A POWER SERVICE DISCONNECT SWITCH IS LOCATED BEFORE THE CONTROLLER CABINET, THE NEUTRAL (AC-) AND THE GROUNDING BARS IN THE CONTROLLER CABINET SHALL NOT BE CONNECTED TOGETHER AS SHOWN IN NEMA TS-2, FIGURE 5-4.

- II. IF SECONDARY DISCONNECT SWITCHES ARE CONNECTED AFTER THE PRIMARY DISCONNECT SWITCH, THE NEUTRAL (AC-) SHALL ONLY BE GROUNDED AT THE PRIMARY SWITCH. EQUIPMENT GROUNDING CONDUCTORS SHALL BE BROUGHT TO THE PRIMARY SWITCH BUT SHALL BE GROUNDED AT BOTH SECONDARY AND PRIMARY SWITCHES.

7. STRUCTURE GROUNDING : HL-50.21 SHOWS A 1/0 AWG STRANDED COPPER CABLE USED FOR STRUCTURE GROUNDING. ADDITIONALLY, THIS SAME CABLE SHALL BE INSULATED AND ANY CONNECTIONS AND BARE COPPER STRANDS EXPOSED TO CONCRETE SHALL BE COVERED WITH MASTIC TO PREVENT CONTACT WITH THE CONCRETE.

8. PAYMENT

- A. ALL MATERIALS AND WORK REQUIRED TO COMPLETE THE EFFECTIVE GROUND FAULT CURRENT PATH SYSTEM ARE INCIDENTAL TO THE CONDUCTORS INSTALLED BY CONTRACT.
- B. WORK ON BRIDGES MAY BE INCLUDED IN THE BID ITEM FOR "ITEM 625, STRUCTURE GROUNDING".
- C. IN A 3-WIRE HIGHWAY LIGHTING SYSTEM, THE THIRD CONDUCTOR OF THE DUCT CABLE OR DISTRIBUTION CABLE WILL BE USED AS THE EQUIPMENT GROUNDING CONDUCTOR AND MAY AS SUCH BE PART OF THE CABLE BID ITEM.

ITEM 614 LAW ENFORCEMENT OFFICER WITH PATROL CAR

IN ADDITION TO THE REQUIREMENTS OF ODOT CMS ITEM 614 AND THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (OMUTCD), A UNIFORMED LAW ENFORCEMENT OFFICER (AND AN OFFICIAL PATROL CAR WITH WORKING TOP-MOUNTED EMERGENCY FLASHING LIGHTS) SHALL BE PROVIDED FOR CONTROLLING TRAFFIC FOR THE FOLLOWING TASKS:

- FOR LANE CLOSURES, DURING INITIAL SET-UP PERIODS, TEAR DOWN PERIODS, SUBSTANTIAL SHIFTS OF A CLOSURE POINT OR WHEN NEW LANE CLOSURE ARRANGEMENTS ARE INITIATED.

- DURING THE ENTIRE ADVANCE PREPARATION AND CLOSURE SEQUENCE WHERE COMPLETE BLOCKAGE OF TRAFFIC IS REQUIRED.

- DURING A TRAFFIC SIGNAL INSTALLATION.

LAW ENFORCEMENT OFFICERS (LEO'S) SHOULD NOT BE USED WHERE THE OMUTCD INTENDS THAT FLAGGERS BE USED. THE LEO'S ARE CONSIDERED TO BE EMPLOYED BY THE THE CONTRACTOR AND THE CONTRACTOR SHALL BE RESPONSIBLE FOR THEIR ACTIONS. ALTHOUGH THEY ARE EMPLOYED BY THE CONTRACTOR, THE ENGINEER SHALL HAVE CONTROL OVER THEIR PLACEMENT. THE OFFICIAL PATROL CAR SHALL BE A PUBLIC SAFETY VEHICLE AS REQUIRED BY THE OHIO REVISED CODE. THE CONTRACTOR SHALL MAKE ARRANGEMENTS FOR THESE SERVICED WITH:

OHIO STATE HIGHWAY PATROL
10391 AIRPORT HWY
SWANTON, OHIO 43558
(419) 865 - 5544

LUCAS COUNTY SHERIFF
1622 SPIELBUSH AVENUE
TOLEDO, OHIO 43624
(419) 213 - 4784

SYLVANIA TOWNSHIP POLICE
4420 KING ROAD
SYLVANIA, OHIO 43560
(419) 882 - 2055

LAW ENFORCEMENT OFFICERS WITH PATROL CAR REQUIRED BY THE TRAFFIC MAINTENANCE TASKS ABOVE SHALL BE PAID FOR ON A UNIT PRICE (HOURLY) BASIS UNDER ITEM 614, LAW ENFORCEMENT OFFICER (WITH PATROL CAR). THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN CARRIED TO THE GENERAL SUMMARY:

ITEM 614, LAW ENFORCEMENT OFFICER WITH PATROL CAR 8 HOURS
THE HOURS PAID SHALL INCLUDE MINIMUM SHOW-UP TIME REQUIRED BY THE LAW ENFORCEMENT AGENCY INVOLVED.

IF THE CONTRACTOR WISHES TO UTILIZE LEO'S FOR FLAGGING AND TRAFFIC CONTROL OTHER THAN FOR THAT REQUIRED IN THESE PLANS, THEY MAY DO SO AT THEIR OWN EXPENSE. PAYMENT FOR THE EXCESS ABOVE THE CONTRACT REQUIREMENTS WILL BE INCLUDED FOR PAYMENT UNDER ITEM 614, MAINTAINING TRAFFIC.

DESIGNED BY: THY
REVISIONS BY: RLM
DRAWN BY: JML
DAM

McCORD/UNIVERSITY PARKS TRAIL
TRAFFIC SIGNAL GENERAL NOTES

COUNTY ROAD 73
McCORD ROAD

74
107

SIGNAL SUBSUMMARY

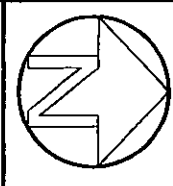
SHEET NO.	STATION		SIDE	202		603	614	625							632																					
				PULLBOX REMOVED		CONDUIT, 3", TYPE F	LAW ENFORCEMENT OFFICER WITH PATROL CAR	GROUND ROD	PULLBOX, TYPE B		PULLBOX, TYPE A		TRENCH, AS PER PLAN	CONDUIT, 3", 725.05, AS PER PLAN			CONDUIT, 2", 725.05, AS PER PLAN	PULL BOX ADJUSTED TO GRADE	CABLE SUPPORT ASSEMBLY	COVERING OF VEHICULAR SIGNAL HEAD	SIGNAL SUPPORT, TYPE TC-81.20, DESIGN NO. 2	SIGNAL SUPPORT FOUNDATION	LOOP DETECTOR LEAD-IN CABLE		DETECTOR LOOP	COMBINATION SIGNAL SUPPORT, TYPE TC-81.20, DESIGN NO. 1		VEHICULAR SIGNAL HEAD WITH LED LAMP UNITS, 3 SECTION, POLYCARBONATE, 12" LENS, 1-WAY, APP.	SIGNAL CABLE, 2-CONDUCTOR, NO. 12 AWG, AS PER PLAN		SIGNAL CABLE, 5-CONDUCTOR, NO. 12 AWG, AS PER PLAN		REMOVAL OF TRAFFIC SIGNAL INSTALLATION, AS PER PLAN			
	EA.	FT.		EA.	EA.				EA.	EA.	EA.	EA.		EA.	EA.	EA.	EA.						EA.	EA.		EA.	EA.		EA.	EA.	EA.	EA.		EA.	EA.	EA.
76	53+63	DET. L-6	R												1								1													
	55+04	DET. L-5	R												1								1													
	56+60	-	R																																	
	60+25	DET. L-4	L																					1												
	60+25	58+46	L	2						179	179												189													
	58+46	DET. L-3	L																					1												
	58+46	57+01	L							145	145												305													
	56+40	-	L					1									1	2	1	1							2				124					
	56+40	57+01	L							61	61																							66		
	56+75	57+01	L							26	26																									
	57+01	57+01	L & R	1						12	12												234						78		546					
	56+96	-	R					1								1	2			1						1	2					109				
	56+90	57+01	R								7	7																					17			
	56+80	-	R																																	
		LOOP DET.	L-1	L																				1												
		LOOP DET.	L-2	R																				1												
		57+01	57+10	R																			140										80			
		57+10	CONTROLLER	R																																
		ENTIRE INTERSECTION		L & R																															1	
	73,74	GENERAL NOTES		-			50	8			1	1		25	50																					
TOTALS TO GENERAL SUMMARY						3	50	8	2	3	2	430	63	442	3	2	4	1	2			868	6	1		4	128	1042	1							

REVISION	CALCULATED
RLM	THY
DRAWN	CHECKED
LJP	JPH

McCORD/UNIVERSITY PARKS TRAIL
SIGNAL SUBSUMMARY

COUNTY ROAD 73
McCORD ROAD

75
107



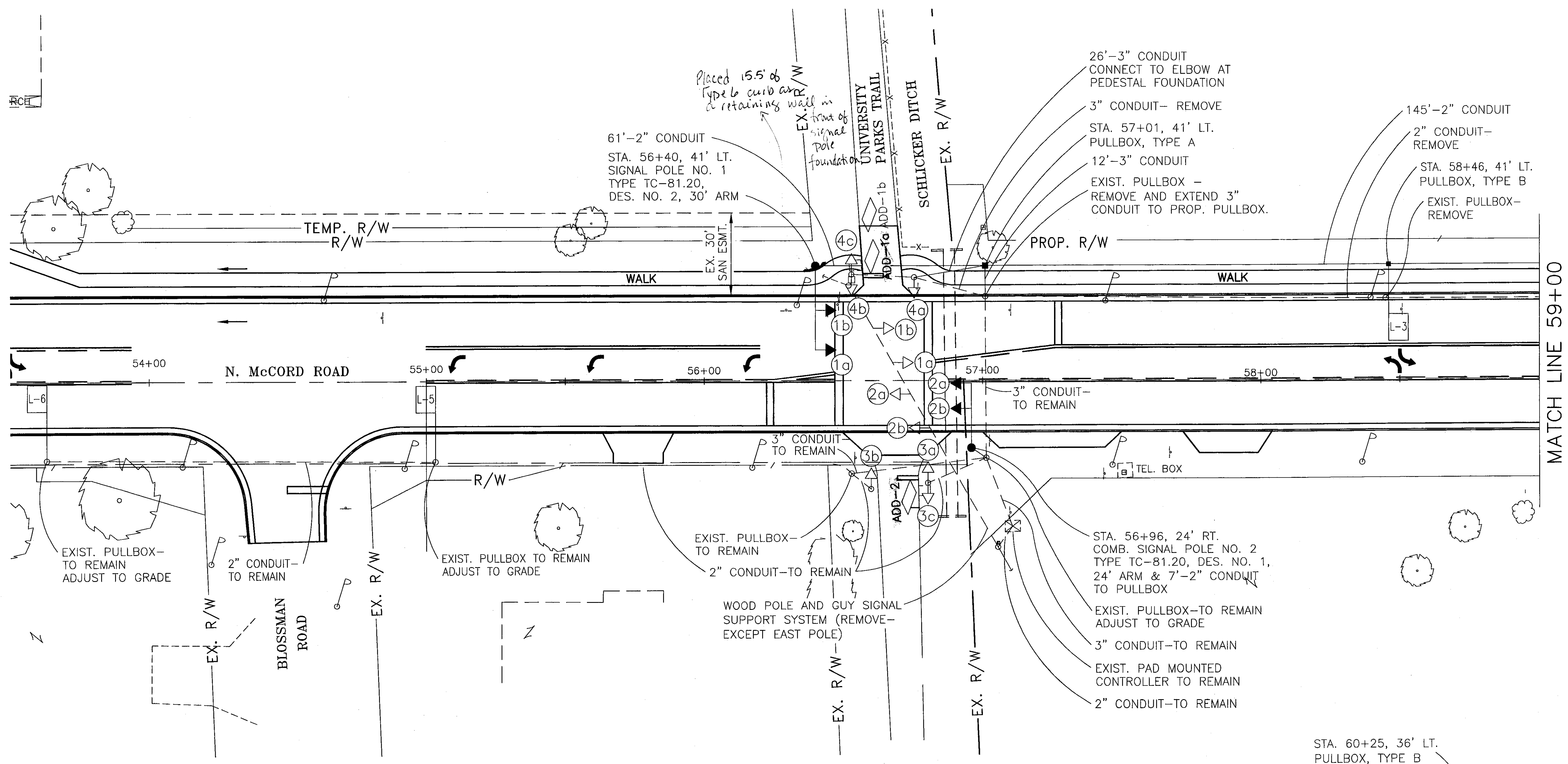
SCALE: 1" = 20' 0"

DESIGNED BY: THY
REVIEWED BY: RLM
DRAWN BY: LJP
DAM

MCCORD / UNIVERSITY PARKS TRAIL
SIGNAL PLAN

COUNTY ROAD 73
MCCORD ROAD


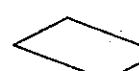




76
107

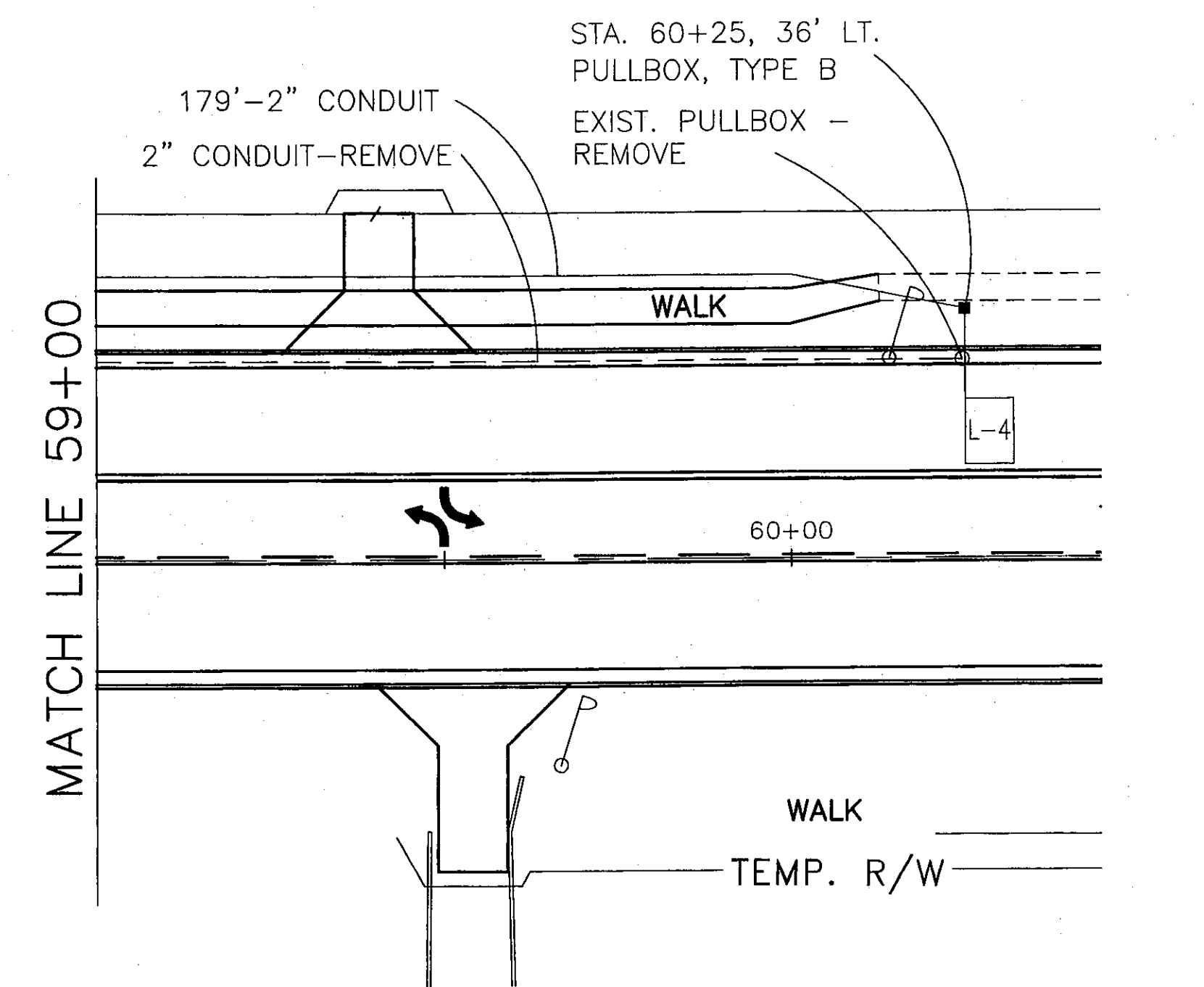


NOTES:

1. INSTALL 2 MAST ARM POLES AND CONNECTING CONDUIT FOR McCORD ROAD.
2. REMOVE EXISTING SPAN WIRE AND WEST WOOD POLE & GUYS FROM SIGNAL SUPPORT SYSTEM.
3. INSTALL 4 ADVANCE LOOPS ON McCORD ROAD AND 2 LOOPS ON TRAIL. ABANDON EXISTING LOOPS.
4. INSTALL NEW CONDUIT AND PULLBOXES WHERE NOTED.
5. INSTALL NEW SIGNAL CABLE WHERE NOTED, AND REMOVE EXISTING CABLE TO BE REPLACED.

LEGEND:

-  EXISTING 11' HIGH PEDESTAL WITH VEHICULAR AND PEDESTRIAN SIGNALS, PUSH BUTTON & SIGN
-  ANGULAR DESIGN DETECTION (ADD)
-  PROPOSED PULLBOX
-  EXISTING PULLBOX
-  PROPOSED SIGNAL HEAD
-  EXISTING SIGNAL HEAD



NOTES

1. STATION AND OUTS ARE IN REFERENCE TO McCORD RD.
2. CONDUIT TO BE 725.05, UNLESS OTHERWISE NOTED.
3. ADJACENT UTILITIES SHALL BE VISIBLY LOCATED PRIOR TO INSTALLATION OF POLE FOUNDATIONS.
4. EXISTING & PROPOSED CABLE IS NO. 12 AWG, UNLESS NOTED OTHERWISE.

LEGEND

- * EXISTING CABLE TO BE REPLACED (AS DIRECTED BY THE ENGINEER)
- EXISTING CABLE
- PROPOSED CABLE
- CABLE SPLICE
- 3b VEHICULAR SIGNAL HEAD
- [A] PEDESTRIAN SIGNAL HEAD
- (A) PEDESTRIAN PUSH BUTTON
- LIC LOOP DETECTOR LEAD IN CABLE

TIMING CHART— EXISTING (PROPOSED)

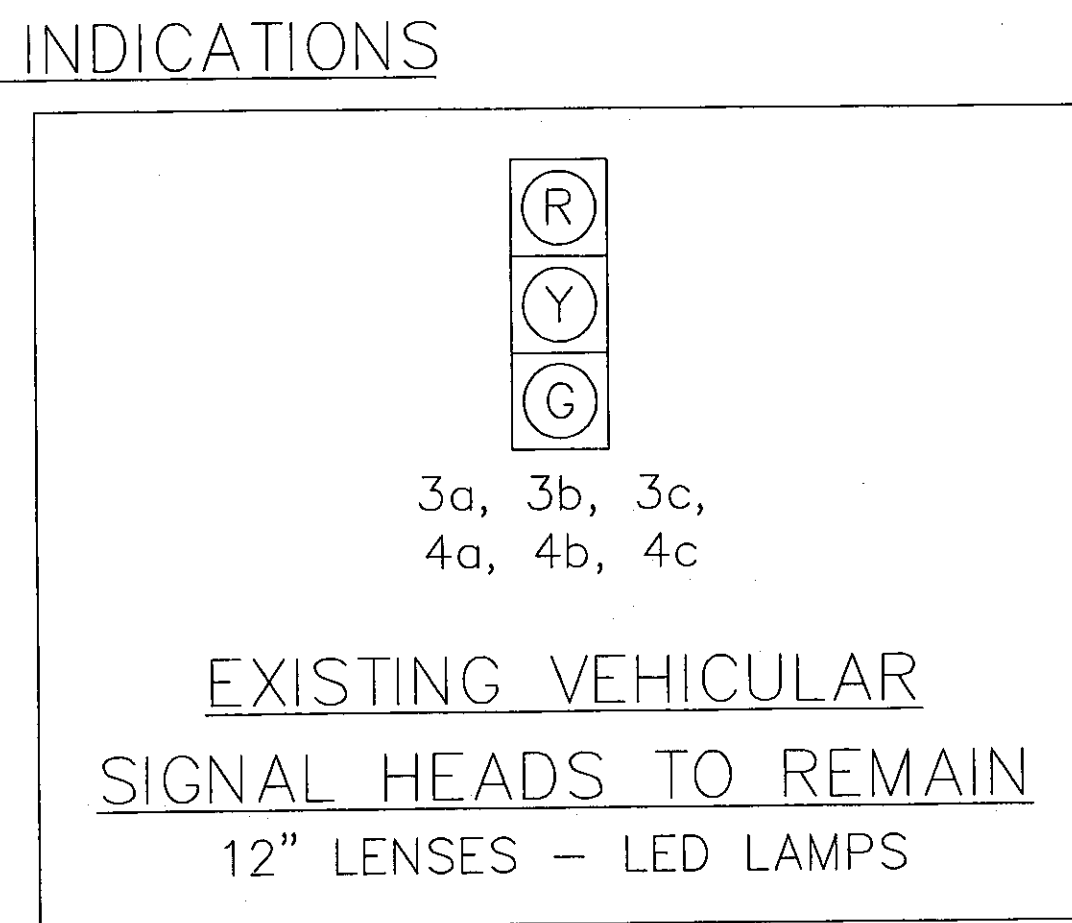
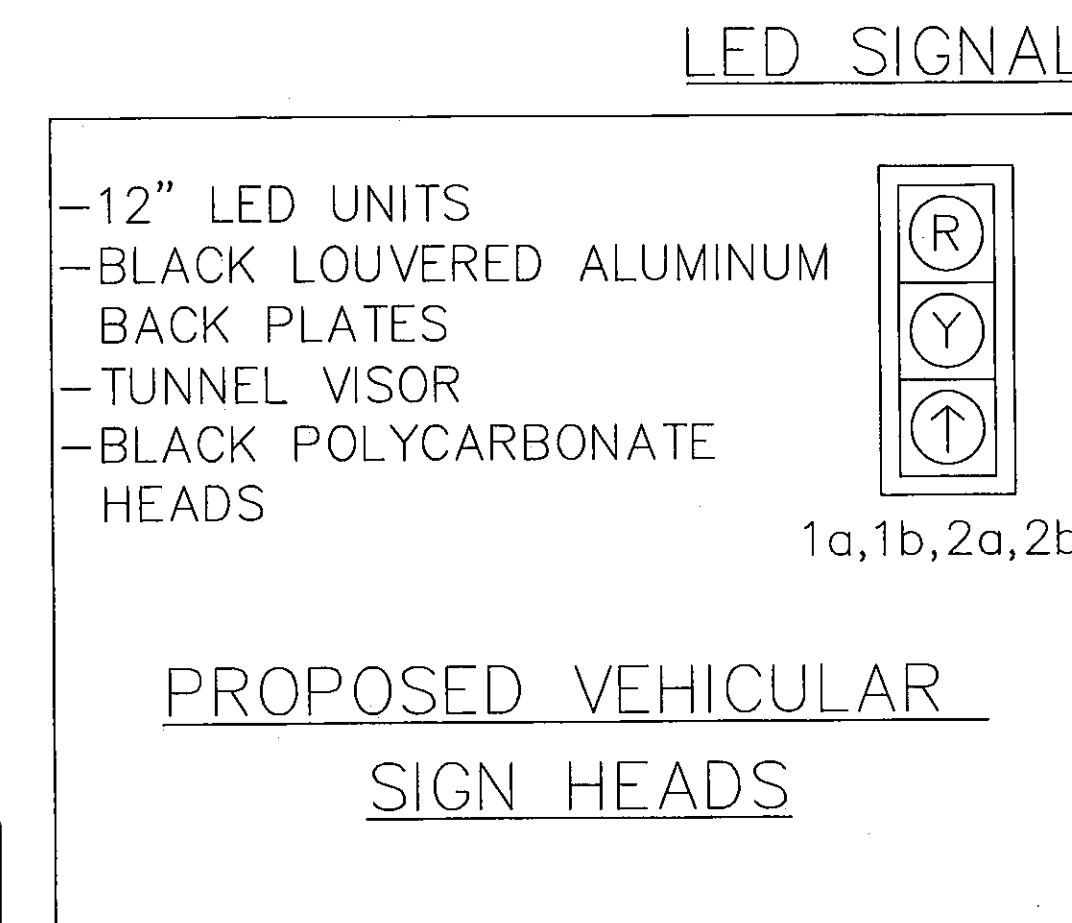
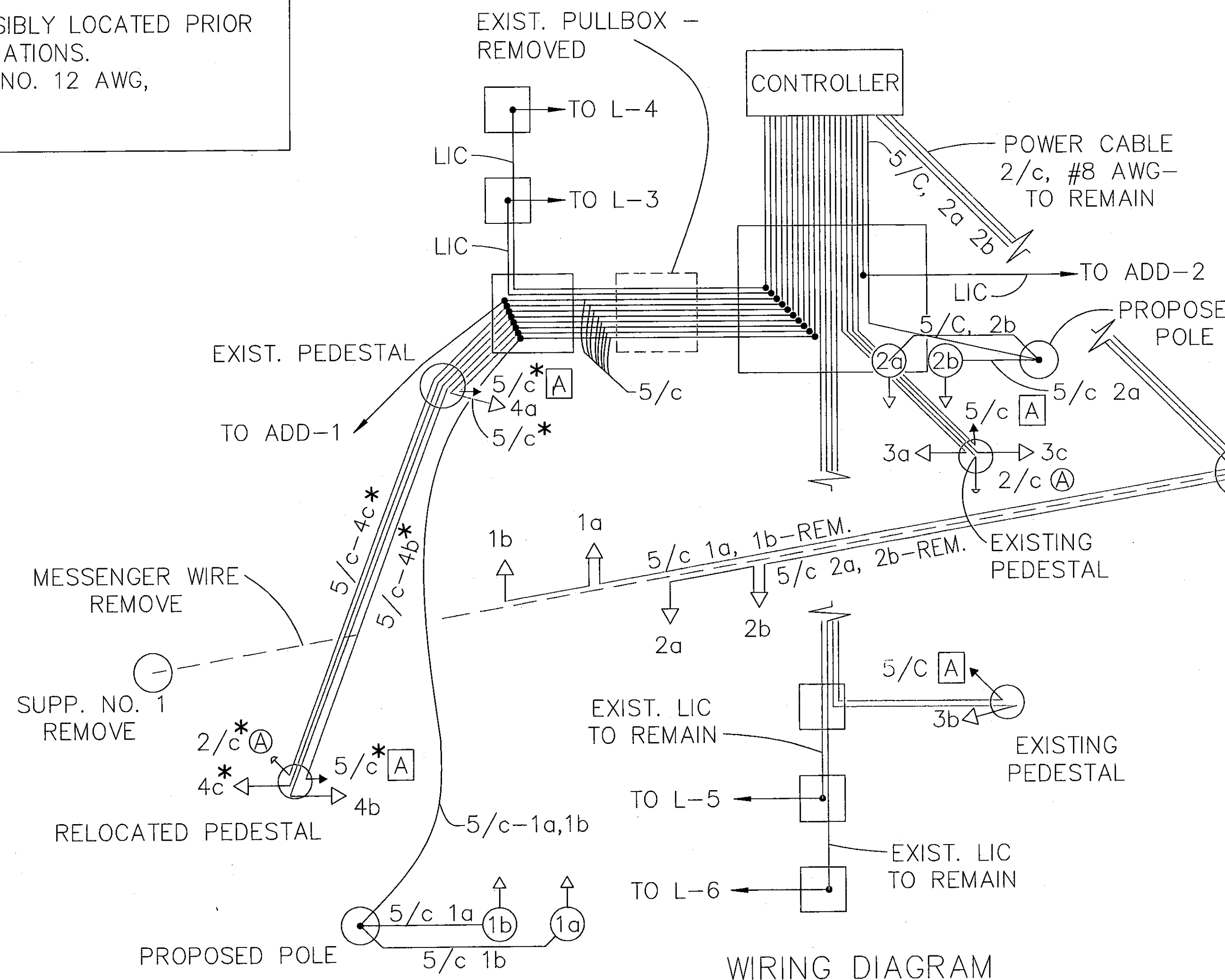
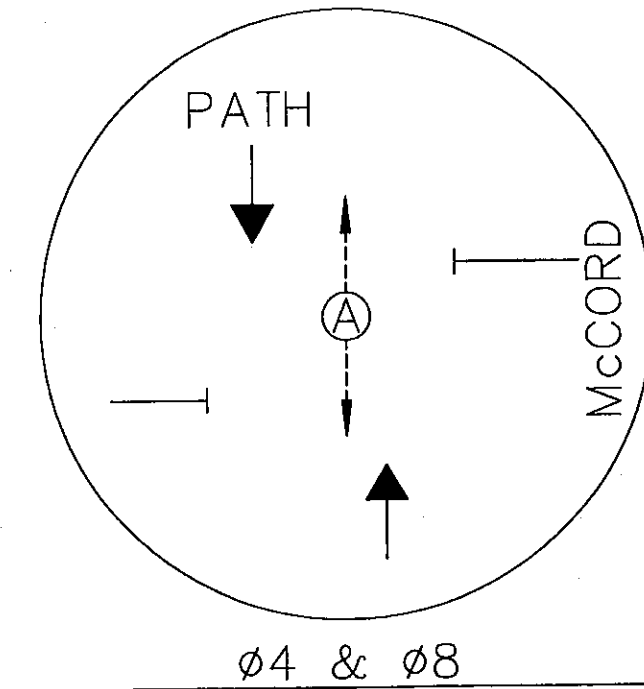
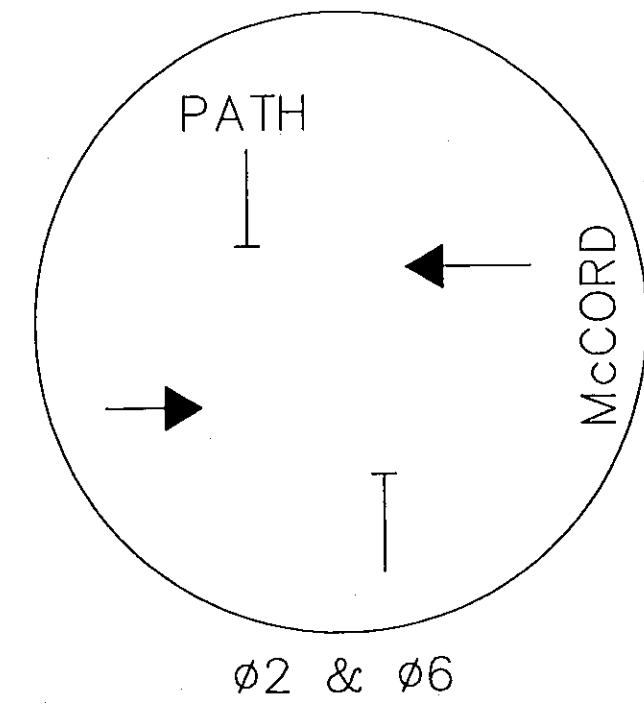
	Ø2 & Ø6	Ø4 & Ø8
MIN. GREEN	34	(8) 14
PASSAGE	4	3
WALK	—	(*4) 6
FLASHING DW	—	(*16) 14
MAX 1	58	20
MAX 2	0	0
SEC / ACT	4	3
MAX INITIAL	—	—
PED RECALL	—	—
YELLOW	4	4
ALL RED	2	2

SIGNAL TO OPERATE FREE TIME IN SECONDS

FLASH OPERATION MIDNIGHT TO 6AM,
10PM TO MIDNIGHT
M-F, SA & SU

* W/PUSHBUTTON ACTUATION ONLY

PHASING DIAGRAM EXISTING & PROPOSED



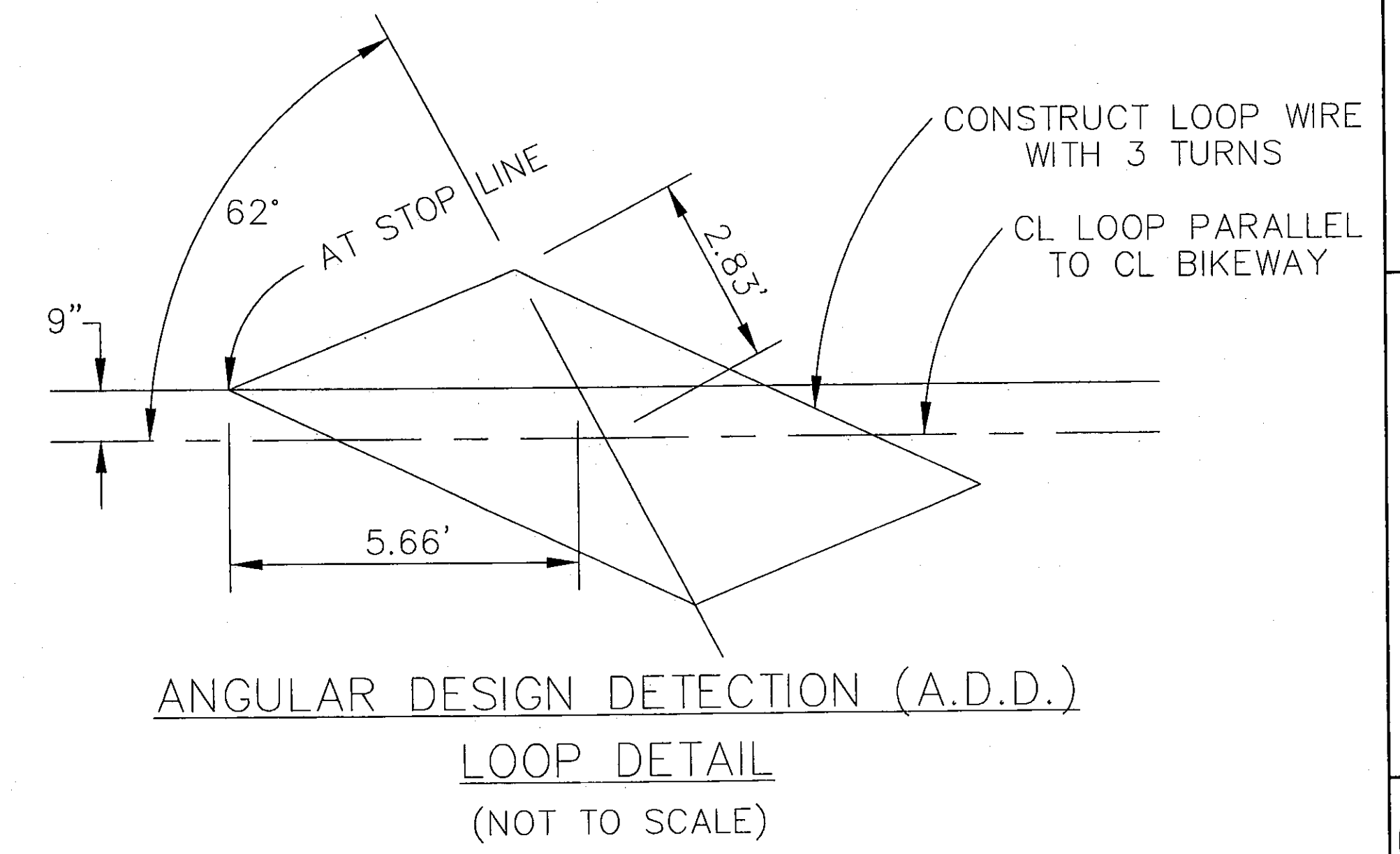
COLOR PHASING - EXISTING & PROPOSED

	FLASH	HEAD	INTERVAL						
			1*	2	3	4	5	6	7
NB - McCORD	Y	2a, 2b	G	Y	R	R	R	R	R
SB - McCORD	Y	1a, 1b	G	Y	R	R	R	R	R
EB - UPT	R	3a, 3b, 3c	R	R	R	G	G	Y	R
WB - UPT	R	4a, 4b, 4c	R	R	R	G	G	Y	R
CROSSWALK (A)	DARK		DW	DW	DW	W	FL DW	FL DW	DW
PHASE			Ø2 & Ø6	ALL RED	Ø4 & Ø8	ALL RED			

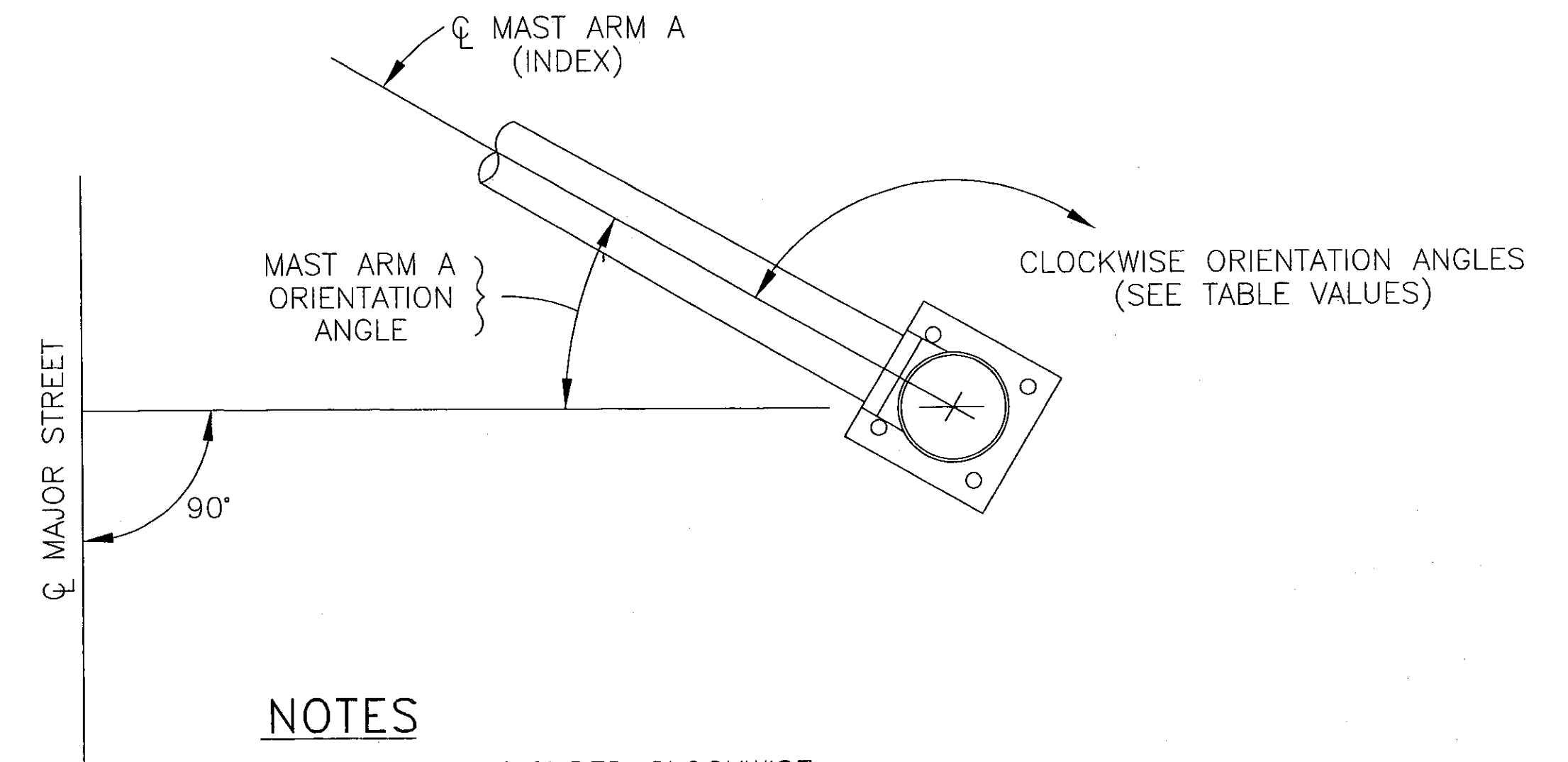
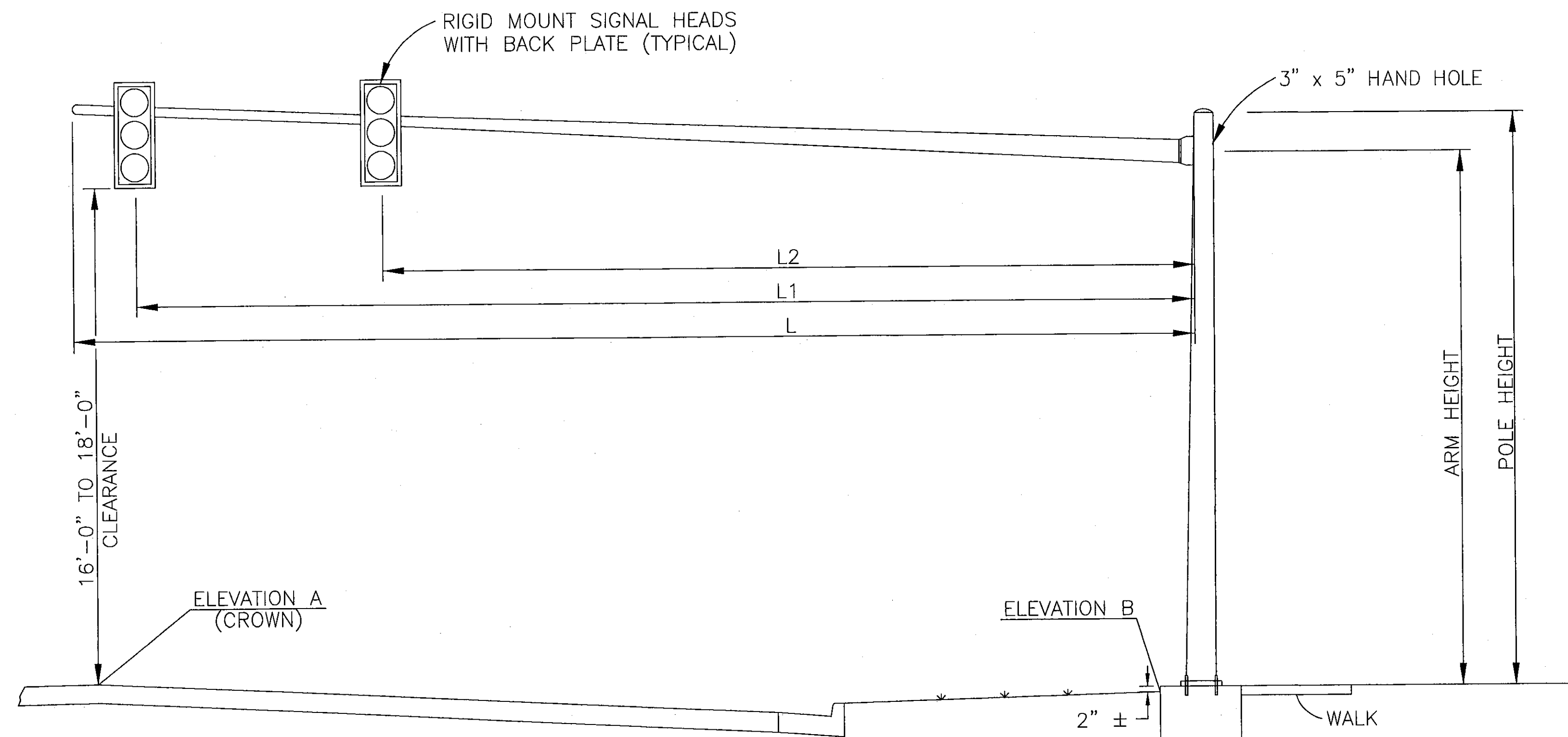
* = DWELL IN INTERVAL 1 W/O ACTUATION ON THE TRAIL

LOOP DETECTOR TABLE - EXISTING & (PROPOSED)

LOOP NO.	SIZE (Ft.)	NO. TURNS	SHAPE	DELAY	MODE	MINIMUM	INTERVAL	CONNECT TO UNIT	ASSOC. CONTR. Ø	MEMORY
L-1(a&b)	SEE DETAIL	3	A.D.D.	(3) 1 SEC.	PRES.	—	1 SEC.	1	Ø4 & Ø8	ON
L-2	SEE DETAIL	3	A.D.D.	(3) 1 SEC.	PRES.	—	1 SEC.	2	Ø4 & Ø8	ON
L-3	6 x 10	2	RECT.	1 SEC.	PULSE	—	1 SEC.	3	Ø2 & Ø6	ON
L-4	6 x 10	2	RECT.	3 SEC.	PULSE	—	1 SEC.	4	Ø2 & Ø6	ON
L-5	6 x 10	2	RECT.	1 SEC.	PULSE	—	1 SEC.	5	Ø2 & Ø6	ON
L-6	6 x 10	2	RECT.	3 SEC.	PULSE	—	1 SEC.	6	Ø2 & Ø6	ON



DESIGNED BY: THY
 CHECKED BY: LJM
 DRAWN BY: LJP
 DAM
 McCORD/UNIVERSITY PARKS TRAIL
 SIGNAL PLAN DETAILS
 COUNTY ROAD 73
 McCORD ROAD
 77
 107



NOTES

- ALL ANGLES MEASURED CLOCKWISE
- BASE PLATE IS ORIENTED SQUARE TO MAST ARM A

NOTES

- FOR SIGNAL SUPPORT DETAILS SEE STD. DWG. TC-81.20
- FOR FOUNDATION DETAILS SEE STD. DWG. TC-21.20

SIGNAL SUPPORT
N.T.S.

LOCATION	SIGNAL SUPPORT TYPE TC-81.20							ORIENTATION ANGLES (DEG.) FROM MAST ARM A			ELEVATION		
	POLE NO.	DESIGN NO.	POLE HEIGHT (FEET)	ARM HEIGHT (FEET)	L (FT.)	L1 (FT.)	L2 (FT.)	MAST ARM A ORIENTATION ANGLE (DEG.)	SIGNAL SUPPORT	FOUNDATION		A	B
									HANDHOLE	CONDUIT ELL, 2" SPARE	CONDUIT ELL, TRAFFIC CONTROL	PROFILE GRADE	TOP OF FOUNDATION
STA. 56+40	1	2	20.5	19	30	29	17	0	180	90	270	658.23	658.50
STA. 56+96	2	1	20.5	19	24	23	14	0	180	270	130	658.06	657.90

DESIGNED BY: THY
DRAWN BY: DAM

MCCORD/UNIVERSITY PARKS TRAIL
SIGNAL POLE DETAILS

COUNTY ROAD 73
MCCORD ROAD

78
107

LUC-CR#73 (MCCORD ROAD) -04.48

SECTIONS 21 & 22

TOWNSHIP 9 SOUTH, RANGE 6 EAST

SYLVANIA TOWNSHIP

LUCAS COUNTY

STRUCTURE KEY

- RESIDENTIAL
- COMMERCIAL
- OUT-BUILDING

CONVENTIONAL SIGNS

- SECTION LINE
- EXISTING RIGHT OF WAY
- RIGHT OF WAY R/W
- PROPERTY LINE
- CENTER LINE

UTILITIES :

CABLEVISION :
BUCKEYE CABLEVISION, INC.
4818 ANGOLA ROAD
TOLEDO, OHIO 43615
419-724-9820

VERIZON NORTH
300 WEST GYPSY LANE
BOWLING GREEN, OH 43402
419-354-9452

GAS :
COLUMBIA GAS OF OHIO
333 S. ERIE STREET
TOLEDO, OHIO 43602
419-252-8110

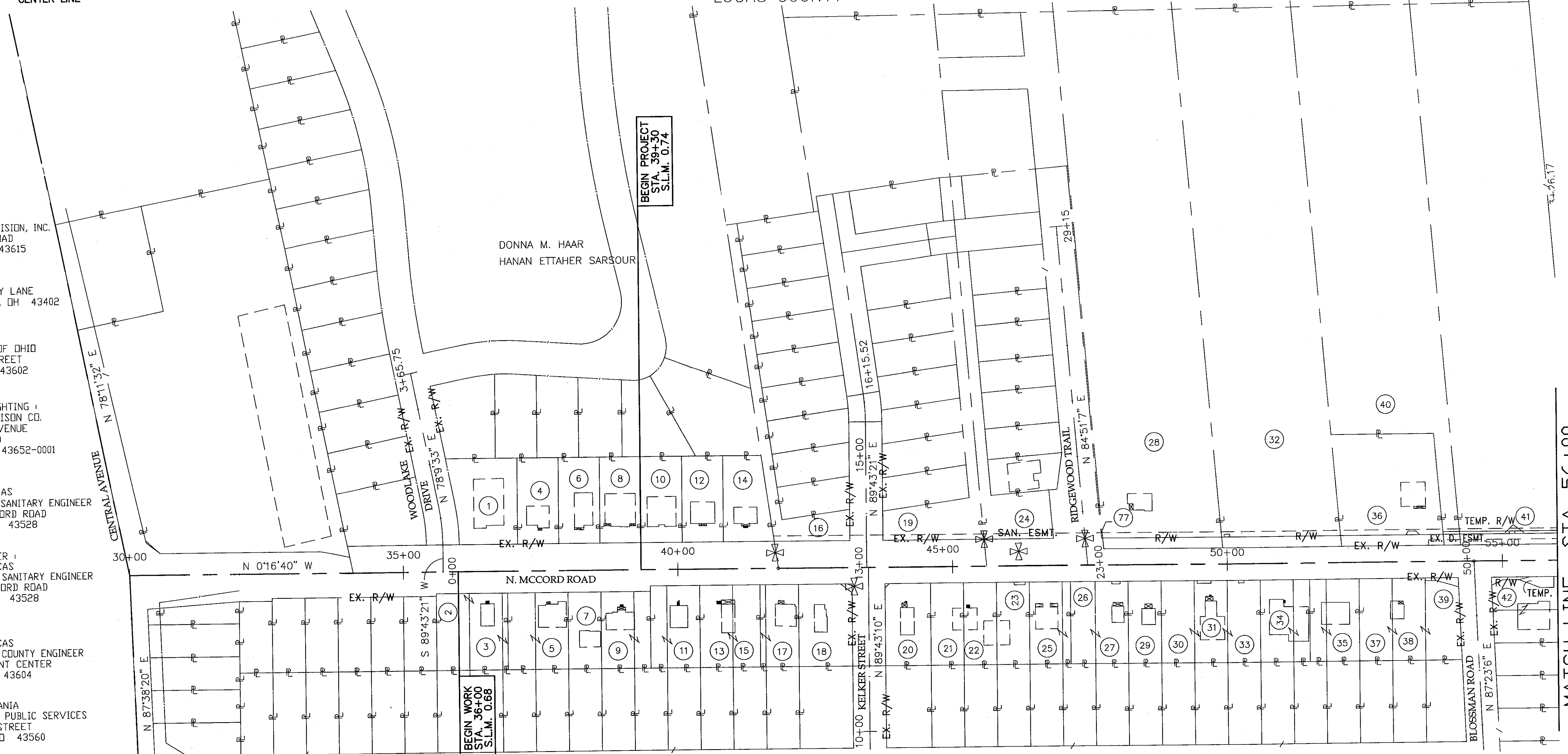
ELECTRIC & LIGHTING :
THE TOLEDO EDISON CO.
300 MADISON AVENUE
MAIL STOP 1880
TOLEDO, OHIO 43652-0001
419-249-5218

WATER :
COUNTY OF LUCAS
OFFICE OF THE SANITARY ENGINEER
1111 SOUTH MCCORD ROAD
HOLLAND, OHIO 43528
419-213-2926

SANITARY SEWER :
COUNTY OF LUCAS
OFFICE OF THE SANITARY ENGINEER
1111 SOUTH MCCORD ROAD
HOLLAND, OHIO 43528
419-213-2926

STORM SEWER :
COUNTY OF LUCAS
OFFICE OF THE COUNTY ENGINEER
ONE GOVERNMENT CENTER
TOLEDO, OHIO 43604
419-213-4540

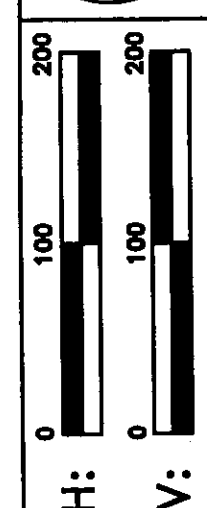
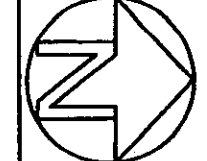
CITY OF SYLVANIA
DEPARTMENT OF PUBLIC SERVICES
6730 MONROE STREET
SYLVANIA, OHIO 43560
419-885-8965



PARCEL	OWNER	PARCEL	OWNER	PARCEL	OWNER
1	DONNA M. HAAR & HANAN ETTAHER SARSDUR	17	MICHAEL J. BRUMETT	33	CARDLYNE B. SPROSS
2	MARK S. & AMY CHRISTENSEN	18	RUTH J. NOONAN	34	THOMAS A. & TERINA A. LOSEY
3	MARK S. & AMY CHRISTENSEN	19	HALLMARK DEVELOPMENT/CARRIE WOODS, LLC., AN OHIO LIMITED LIABILITY COMPANY	35	VIRGIL D. WIRICK
4	TYSON K. FANKHAUSER	20	JONATHAN N. WILLIAMS ETAL	36	LESTER G. PEABODY
5	DANIEL R. DANKMER	21	P. D. JR. & J. M. BROOKS	37	JEFFREY A. & LYNN M. TRUCKOR ETAL
6	MICHAEL C. & HEATHER STUBBS, TRUSTEES	22	P. D. JR. & J. M. BROOKS	38	JEFFREY A. & LYNN M. TRUCKOR ETAL
7	CHRISTOPHER R. SHIPLE	23	P. D. JR. & J. M. BROOKS	39	JEFFREY A. & LYNN M. TRUCKOR ETAL
8	ANN H. SUMMERS, TRUSTEE	24	WHISPERING PINES PARTNERSHIP, AN OHIO GENERAL PT	40	FIFTH THIRD BANK FKA, FIFTH THIRD BANK OF NW OHIO, NA, TRUSTEE
9	ALLEN M. & JANE A. MYTYK	25	DAE J. PARK	41	WHISPERING PINES PARTNERSHIP, AN OHIO GENERAL PT
10	RICHARD D. & MICHELLE NIEMAN	26	CHARLES E. JR. & DIANA TURNER	42	PATRICK R. MILLICAN
11	PATRICIA A. BRUMETT	27	CHARLES E. JR. & DIANA TURNER	77	WHISPERING PINES PARTNERSHIP, AN OHIO GENERAL PT
12	MICHAEL C. & HEATHER STUBBS, TRUSTEES	28	C. D. & N. ZWAYER		
13	CHARLENE I. & RONALD J. WORLAND	29	M. K. & J. M. LEHMANN		
14	ROBERT JR., PHILB, ETAL	30	CARDLYNE B. SPROSS		
15	CHARLENE I. & RONALD J. WORLAND	31	CARDLYNE B. SPROSS		
16	HALLMARK DEVELOPMENT/CARRIE WOODS, LLC., AN OHIO LIMITED LIABILITY COMPANY	32	FIFTH THIRD BANK FKA, FIFTH THIRD BANK OF NW OHIO, NA, TRUSTEE		



FIELD REVIEW BY:	DATE:		
OWNERSHIP VERIFIED BY:	DATE:	RJS	4/18/08 REMOVED PARCEL 42A
PLAN COMPLETION DATE :		REV'D.	DATE DESCRIPTION



H: V:

CALCULATED CHECKED

PROPERTY MAP - MCCORD ROAD
BEGINNING TO STA. 56+00

MATCH LINE STA. 56+00

LUC. C. R. NO. 73
MCCORD ROAD

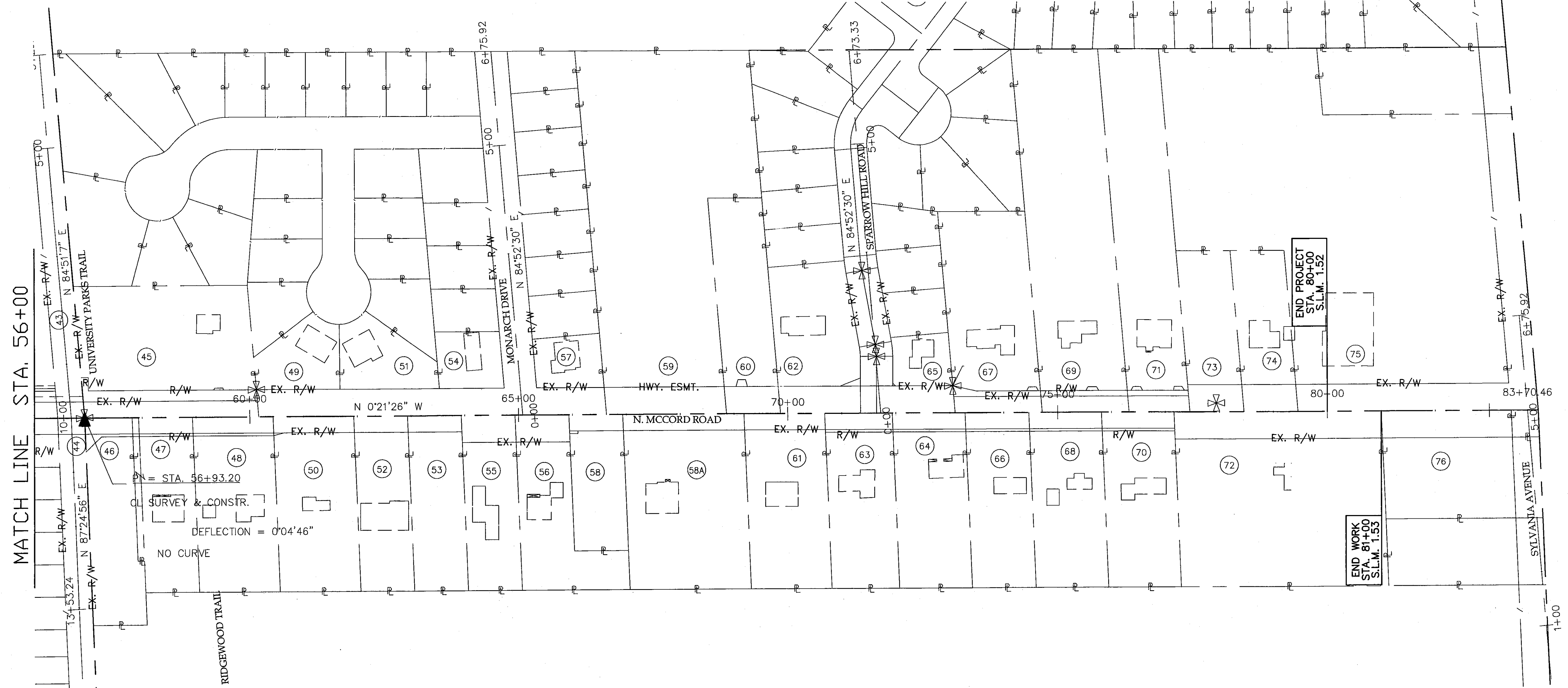
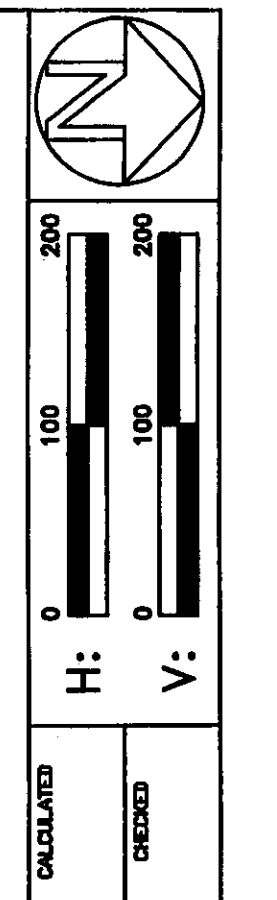
2/17A

80
107

CONVENTIONAL SIGNS
 SECTION LINE ————
 EXISTING RIGHT OF WAY - - - -
 RIGHT OF WAY ——— R/W ———
 PROPERTY LINE ——— P ———
 CENTER LINE ——— C ———

LUC-CR#73 (MCCORD ROAD) -04.48
 SECTIONS 21 & 22
 TOWNSHIP 9 SOUTH, RANGE 6 EAST
 SYLVANIA TOWNSHIP
 LUCAS COUNTY

STRUCTURE KEY
 □ RESIDENTIAL
 ■ COMMERCIAL
 ▨ OUT-BUILDING



PARCEL	OWNER	PARCEL	OWNER	PARCEL	OWNER
43	BOARD OF LUCAS COUNTY COMMISSIONERS	55	JUNE H. BRADEN	66	HELEN JOYCE SENGSTOCK
44	BOARD OF LUCAS COUNTY COMMISSIONERS	56	SCOTT D. & LISA J. BRADEN	67	DENNIS & ANN M. PASZCZYKOWSKI
45	UPNORTH PROPERTIES, LLC AN OHIO LLC	57	PAULINE A. GRASSER	68	JEFFREY A. & CHERI L. SMOTHERS
46	BOARD OF LUCAS COUNTY COMMISSIONERS	58	LYNN M. TRUCKOR	69	MICHAEL A. HOJNACKI
47	ALAN R. & MELISSA A. BRICKER	58-A	LYNN M. TRUCKOR	70	ARTHUR F. JR. SCHWANBECK
48	JOHNIE & LENDRA GRIMES	59	MICHAEL A. & KATHY S. O'BRIEN	71	LOUISVILLE TITLE AGENCY FOR NW OHIO INC., TRUSTEE
49	RICHARD J. JR. & DIANE L. CHRIST	60	CRYSTAL A. MITCHELL	72	NETHERLAND INVESTMENTS, LLC
50	DENISE M. BOMER	61	GARY THOMPSON	73	THELMA VERES
51	NORBERT A. & THERESA A. HARMACINSKI, TRUSTEES	62	DUANE & DONNA J. KROYER	74	FRANK & THELMA VERES
52	ARETTA J. ADAMS	63	SHARON L. DAWSON	75	ADVENT EVANGELICAL LUTHERAN CHURCH, INC.
53	HELEN M. ETAL ACKERMAN	64	DANTE T. PLETCHER	76	BANCITES INC., AN OH CORP
54	MARK D. KANDUS & BARBARA A. BAKER	65	WILLIAM G. & SANDRA L. HUTCHENSON		



FIELD REVIEW BY:	DATE:		
OWNERSHIP VERIFIED BY:	DATE:		
PLAN COMPLETION DATE :	REV'D.	DATE	DESCRIPTION

PROPERTY MAP - MCCORD ROAD
 STA. 56+00 TO END

LUC. C. R. NO. 73
 MCCORD ROAD

3 / 17A

81
 107

TOTAL NUMBER OF:
XX OWNERSHIPS 0 OWNERSHIPS WITH STRUCTURES INVOLVED
XX PARCELS X OWNERSHIPS WITH "P" ITEMS
X TOTAL TAKES

NOTE: TYPE OF OWNERS RECORD IS INDICATED AS FOLLOWS
(B)-(P) DENOTES BOOK & PAGE
(M) DENOTES MICROFICHE NUMBER
(I) DENOTES INSTRUMENT NUMBER

NET RESIDUE = RECORD AREA - TOTAL P.R.O. - NET TAKE

GRANTEE: ALL RIGHT OF WAY ACQUIRED IN THE NAME OF LUCAS COUNTY UNLESS SHOWN OTHERWISE ON THE SUMMARY OF ADDITIONAL RIGHT OF WAY SHEET.

Table with columns: PARCEL NO., OWNER, SHEET NO., OWNERS RECORD (BOOK/PAGE), AUDITOR'S PARCEL, RECORD AREA, TOTAL P.R.O., GROSS TAKE, P.R.O. IN TAKE, NET TAKE, STRUC-TURE, NET RESIDUE (LEFT/RIGHT), TYPE FUND, REMARKS AND PERSONALTY, AS ACQUIRED (BOOK/PAGE).

FEDERAL PROJECT NO.

STATE JOB NO.

PID NO. 80038

R/W DESIGNER RJS
R/W REVIEWER MRT

SUMMARY OF ADDITIONAL RIGHT OF WAY PARCELS

LUC. C.R. NO. 73
McCORD ROAD

4/17A

NOTE: ALL TEMPORARY PARCELS TO BE OF 18 MONTHS DURATION.

NOTE: UNDER NO CIRCUMSTANCES ARE TEMPORARY EASEMENTS TO BE USED FOR STORAGE OF MATERIAL OR EQUIPMENT BY THE CONTRACTOR UNLESS NOTED OTHERWISE.



Summary table with columns: FIELD REVIEW BY, OWNERSHIP VERIFIED BY, PLAN COMPLETION DATE, LCEO, DATE, REV'D, DATE, DESCRIPTION.

82
107

TOTAL NUMBER OF:

XX OWNERSHIPS
XX PARCELS
X TOTAL TAKES

0 OWNERSHIPS WITH STRUCTURES INVOLVED
X OWNERSHIPS WITH "P" ITEMS

NOTE: TYPE OF OWNERS RECORD IS INDICATED AS FOLLOWS

(B)-(P) DENOTES BOOK & PAGE
(M) DENOTES MICROFICHE NUMBER
(I) DENOTES INSTRUMENT NUMBER

NET RESIDUE = RECORD AREA - TOTAL P.R.O. - NET TAKE

GRANTEE:

ALL RIGHT OF WAY ACQUIRED IN THE NAME OF LUCAS COUNTY UNLESS SHOWN OTHERWISE ON THE SUMMARY OF ADDITIONAL RIGHT OF WAY SHEET.

Main table with columns: PARCEL NO., OWNER, SHEET NO., OWNERS RECORD BOOK/PAGE, AUDITOR'S PARCEL, RECORD AREA, TOTAL P.R.O., GROSS TAKE, P.R.O. IN TAKE, NET TAKE, STRUCTURE, NET RESIDUE LEFT/RIGHT, TYPE FUND COUNTY, REMARKS AND PERSONALTY, AS ACQUIRED BOOK/PAGE.

FEDERAL PROJECT NO. STATE JOB NO. PID NO. 80038 R/W DESIGNER: RJS R/W DRAWER: MRT SUMMARY OF ADDITIONAL RIGHT OF WAY PARCELS LUC. C.R. NO. 73 McCORD ROAD

NOTE: ALL TEMPORARY PARCELS TO BE OF 18 MONTHS DURATION.

NOTE: UNDER NO CIRCUMSTANCES ARE TEMPORARY EASEMENTS TO BE USED FOR STORAGE OF MATERIAL OR EQUIPMENT BY THE CONTRACTOR UNLESS NOTED OTHERWISE.



Summary table with columns: FIELD REVIEW BY, OWNERSHIP VERIFIED BY, PLAN COMPLETION DATE, LCEO DATE, and descriptions like 'SIDEWALK ESMNT ADDED FOR 65', 'REVISED 62-T TO 62-SW', 'EAST SIDE REVISED PER PUBLIC HRG', 'PARCEL 42 AUDITORS #. 45-WD NET'.

6/17A 84 107

TOTAL NUMBER OF:

XX OWNERSHIPS 0 OWNERSHIPS WITH STRUCTURES INVOLVED
XX PARCELS X OWNERSHIPS WITH "P" ITEMS
X TOTAL TAKES

NOTE: TYPE OF OWNERS RECORD IS INDICATED AS FOLLOWS

(B)-(P) DENOTES BOOK & PAGE
(M) DENOTES MICROFICHE NUMBER
(I) DENOTES INSTRUMENT NUMBER

NET RESIDUE = RECORD AREA - TOTAL P.R.O. - NET TAKE

GRANTEE: ALL RIGHT OF WAY ACQUIRED IN THE NAME OF
LUCAS COUNTY UNLESS SHOWN OTHERWISE ON
THE SUMMARY OF ADDITIONAL RIGHT OF WAY SHEET.

FEDERAL PROJECT NO.
STATE JOB NO.
PID NO. 80038
R/W DESIGNER RJS
R/W REVIEWER MRT
SUMMARY OF ADDITIONAL RIGHT OF WAY PARCELS
LUC. C.R. NO. 73
McCORD ROAD
6A/17A
85
107

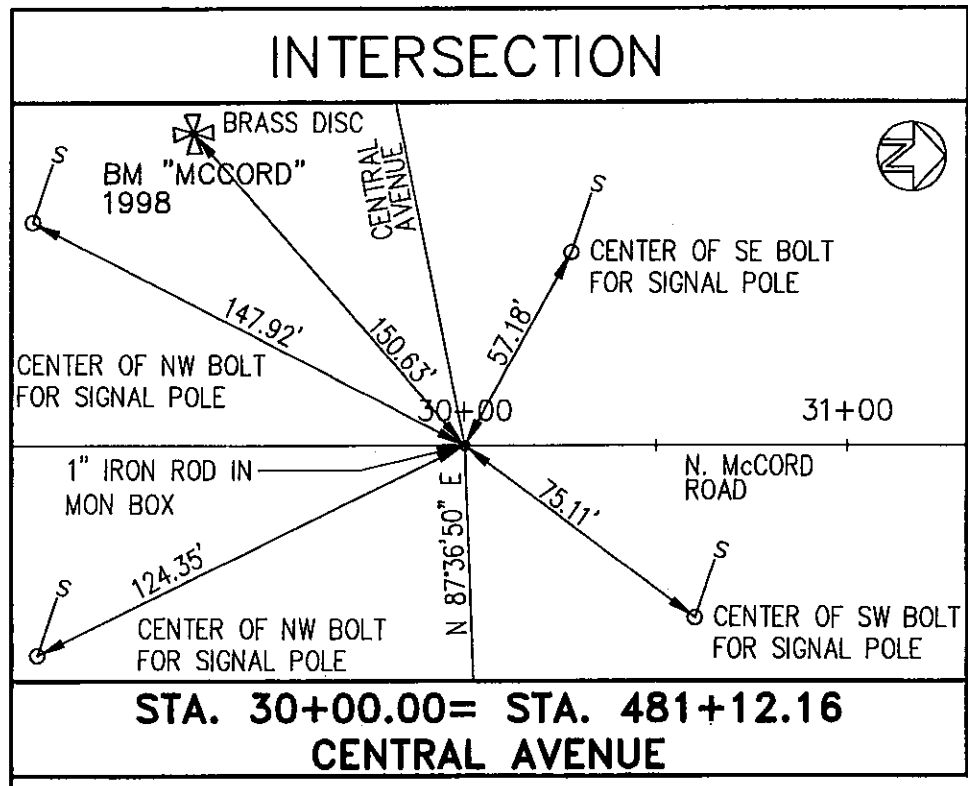
PARCEL NO.	OWNER	SHEET NO.	OWNERS RECORD		AUDITOR'S PARCEL	RECORD AREA	TOTAL P.R.O.	GROSS TAKE	P.R.O. IN TAKE	NET TAKE	STRUC-TURE	NET RESIDUE		TYPE FUND	REMARKS AND PERSONALTY	AS ACQUIRED	
			BOOK	PAGE								LEFT	RIGHT			BOOK	PAGE
68-WD	JEFFREY A. & CHERI L. SMOTHERS	15	(M) 96	0262D02	78-34327	1.000	0.093	0.108	0.093	0.015	NONE		0.892				20090728 00353E
69-WD 69-T	MICHAEL A. HOJNACKI	15	(M) 99	322E06	78-31977	2.480	0.111	0.148	0.111	0.037	NONE	2.332		DRIVEWAY			20090728 0035306
70-WD	ARTHUR F. JR. SCHWANBECK	16	(I) 20050303-0014148		78-34341	1.000	0.093	0.108	0.093	0.015	NONE		0.892				20110525 0020534
71-WD 71-T1 71-T2	LOUISVILLE TITLE AGENCY FOR NW OHIO INC., TRUSTEE	16	(I) 20051219-0094283		78-31971	1.700	0.078	0.104	0.078	0.026	NONE	1.596					20090728 0035305
72	NETHERLAND INVESTMENTS, LLC	16	(M) 93	0319E01	78-34343	2.410	0.044	0.000	0.044	0.000	NONE	2.366		NO TAKE			
73	THELMA VERES	16	(B) 1846-(P) 314		78-31964	0.640	0.115	0.000	0.115	0.000	NONE	0.525		NO TAKE			
74	FRANK & THELMA VERES	16	(B) 1587-(P) 495		78-31967	0.640	0.115	0.000	0.115	0.000	NONE	0.525		NO TAKE			
75	ADVENT EVANGELICAL LUTHERAN CHURCH, INC.	16	(B) 1759-(P) 319		78-31951	4.730	0.000	0.000	0.000	0.000	NONE	4.730		NO TAKE			
76	BANCITES INC., AN OH CORP	16	(M) 87	579C08	78-34337	1.103	0.276	0.000	0.276	0.000	NONE		0.827	NO TAKE			
77	WHISPERING PINES PARTNERSHIP, AN OHIO GENERAL PT	10	(B) 139-(P) 70		79-71756	0.025	0.000	0.000	0.000	0.000	NONE	0.025		NO TAKE			
COUNTY																	

NOTE: ALL TEMPORARY PARCELS TO BE OF 18 MONTHS DURATION.

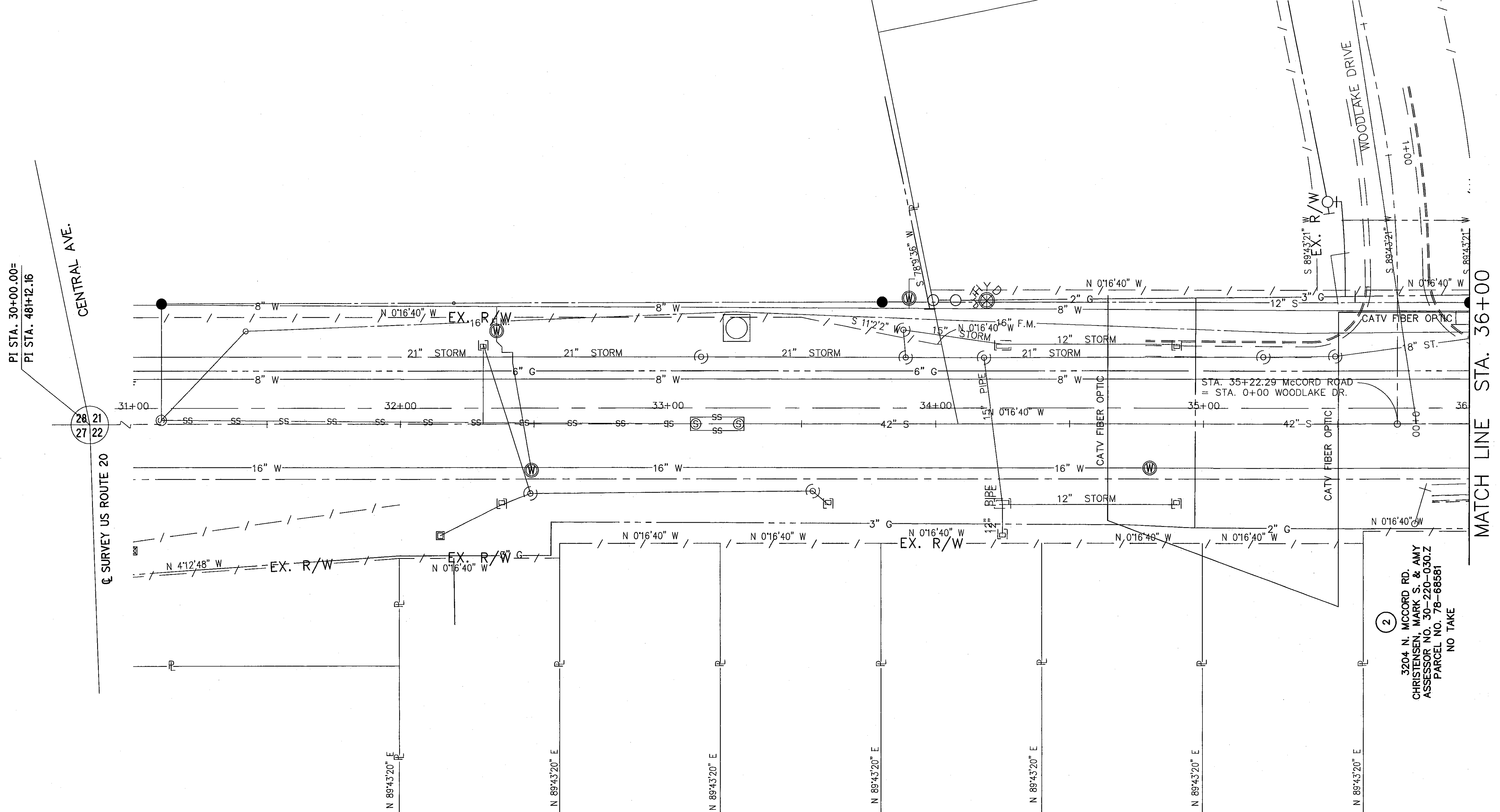
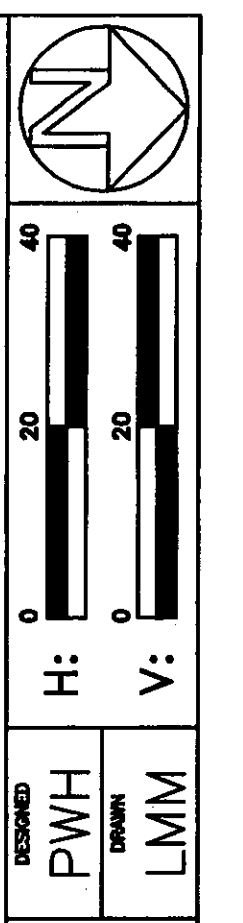
NOTE: UNDER NO CIRCUMSTANCES ARE TEMPORARY EASEMENTS TO BE USED FOR STORAGE OF MATERIAL OR EQUIPMENT BY THE CONTRACTOR UNLESS NOTED OTHERWISE.



FIELD REVIEW BY:	LCEO	DATE:	8/08			
OWNERSHIP VERIFIED BY:	LCEO	DATE:	5&12/08	LCEO	11/08	EAST SIDE REVISED PER PUBLIC HRG
PLAN COMPLETION DATE :	09/28/07	REV:	12/08	REV'D.	DATE	DESCRIPTION



SECTIONS 21 & 22
TOWNSHIP 9 SOUTH, RANGE 6 EAST
SYLVANIA TOWNSHIP
LUCAS COUNTY



PI STA. 30+00.00 =
PI STA. 481+12.16
CENTRAL AVE.
SURVEY US ROUTE 20

MATCH LINE STA. 36+00

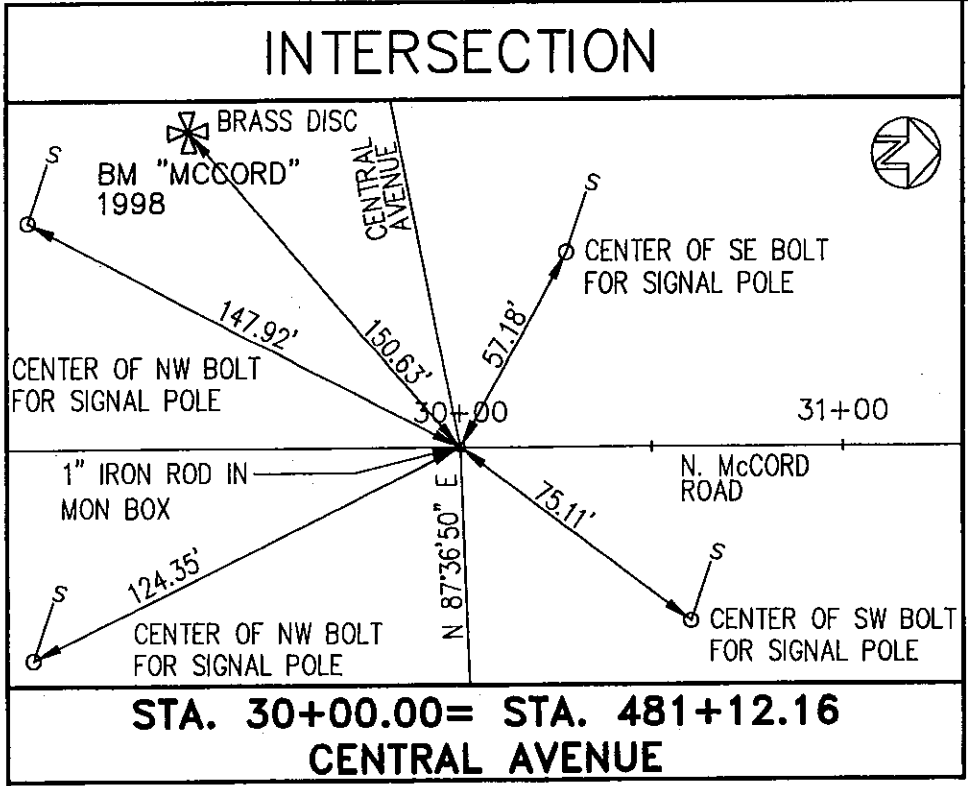
ZONE OF HEALTH
PLAT VOLUME 41 PAGE 21



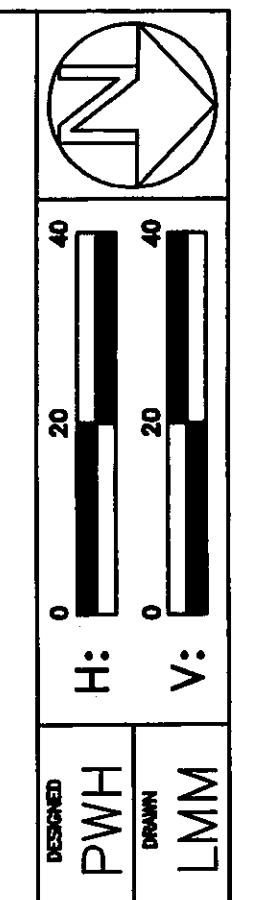
FIELD REVIEW BY:	DATE:		
OWNERSHIP VERIFIED BY:	DATE:		
PLAN COMPLETION DATE:	REV'D.	DATE	DESCRIPTION

LUC. C.R. NO. 73
MCCORD ROAD
RIGHT OF WAY DETAIL - C.R. 73
STA. 31+00 TO STA. 36+00

7/17A
86
107



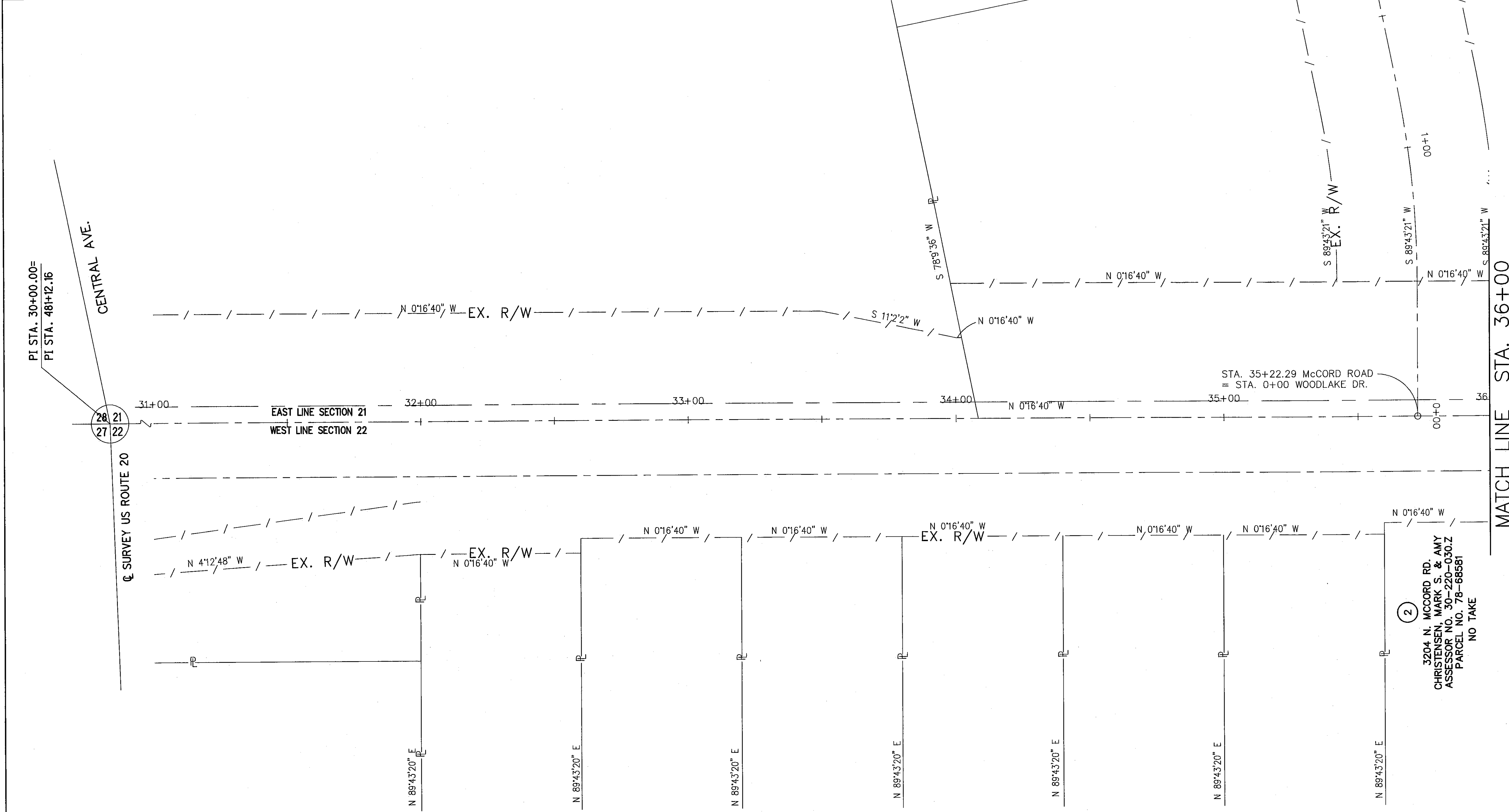
SECTIONS 21 & 22
TOWNSHIP 9 SOUTH, RANGE 6 EAST
SYLVANIA TOWNSHIP
LUCAS COUNTY



RIGHT OF WAY DETAIL—C.R. 73
STA. 31+00 TO STA. 36+00

LUC. C.R. NO. 73
McCord Road

7A/17A
87
107



ZONE OF HEALTH
PLAT VOLUME 41 PAGE 21

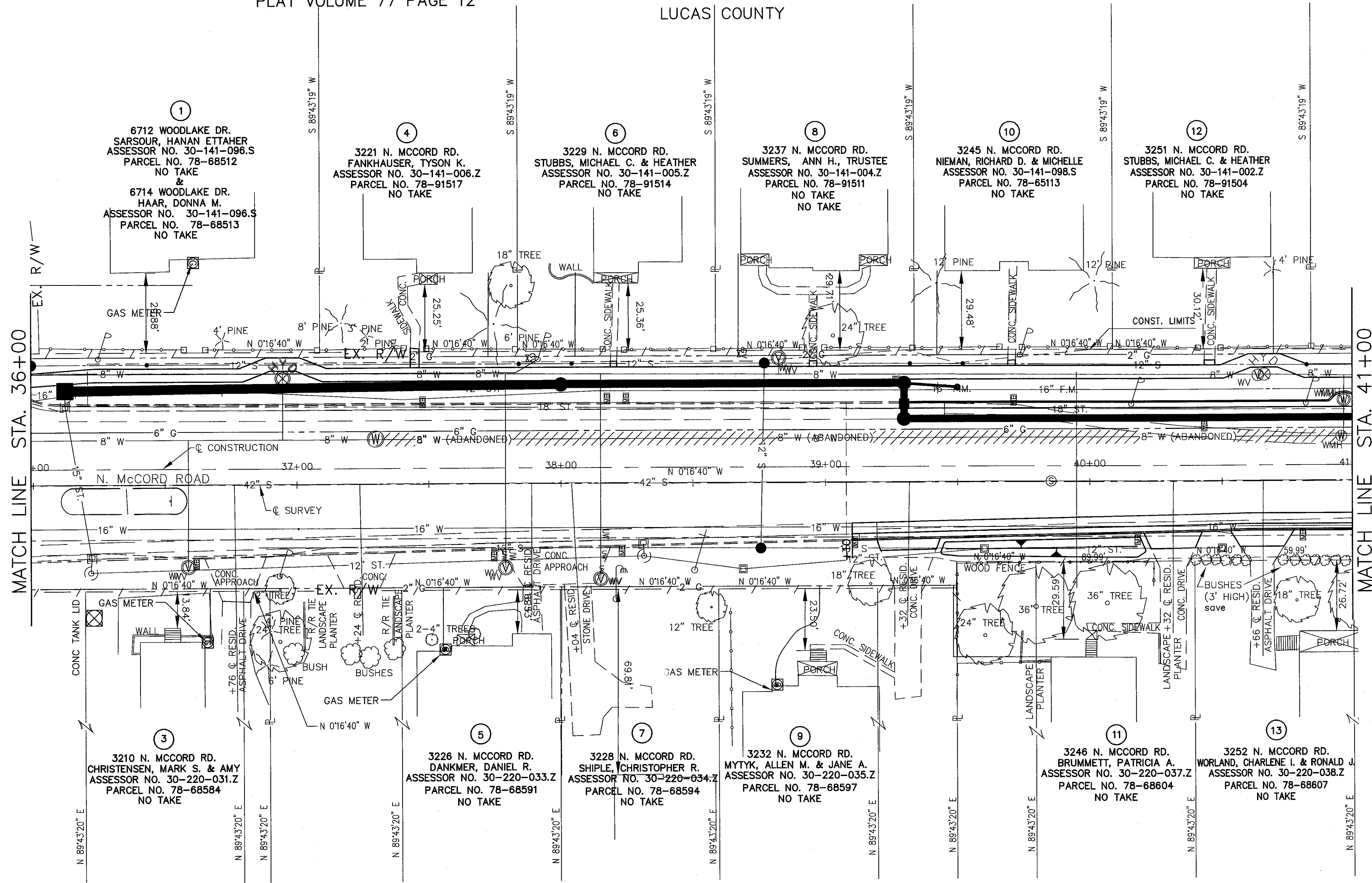


FIELD REVIEW BY:	DATE:		
OWNERSHIP VERIFIED BY:	DATE:		
PLAN COMPLETION DATE :	REV'D.	DATE	DESCRIPTION

SECTIONS 21 & 22
TOWNSHIP 9 SOUTH, RANGE 6 EAST
SYLVANIA TOWNSHIP
LUCAS COUNTY

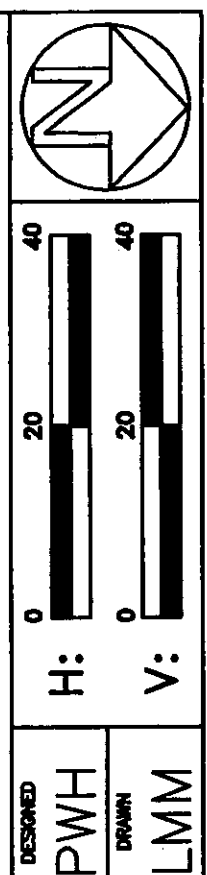
WESTCHESTER MEADOWS
PLAT VOLUME 77 PAGE 12

ZONE OF HEALTH
PLAT VOLUME 41 PAGE 21



MATCH LINE STA. 36+00

MATCH LINE STA. 41+00



RIGHT OF WAY DETAIL—C.R. 73
STA. 36+00 TO STA. 41+00

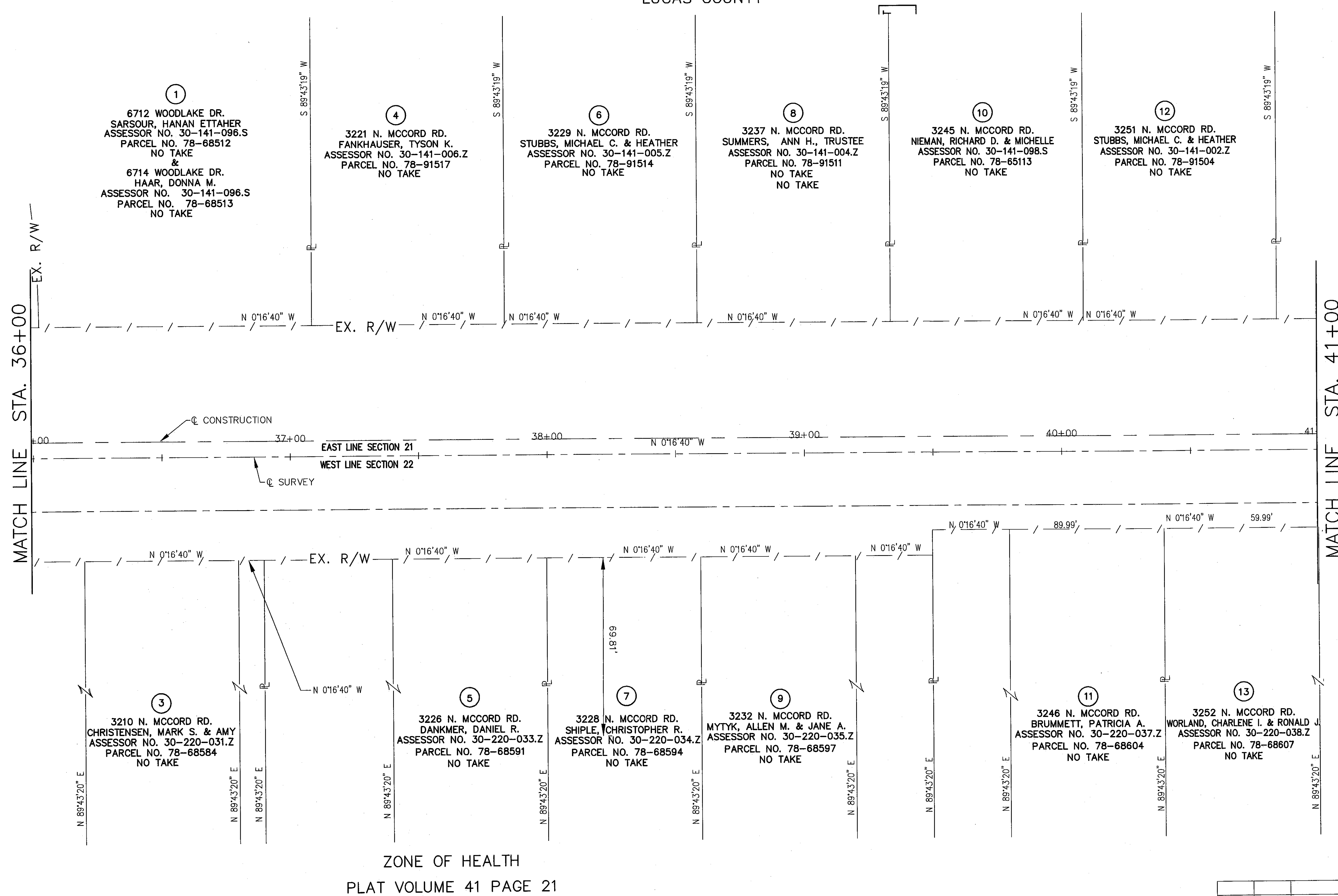
LUC. C.R. NO. 73
McCord Road

REV'D.	DATE	DESCRIPTION

8/17A
88
107

WESTCHESTER MEADOWS
PLAT VOLUME 77 PAGE 12

SECTIONS 21 & 22
TOWNSHIP 9 SOUTH, RANGE 6 EAST
SYLVANIA TOWNSHIP
LUCAS COUNTY



①
6712 WOODLAKE DR.
SARSOUR, HANAN ETTAHER
ASSESSOR NO. 30-141-096.S
PARCEL NO. 78-68512
NO TAKE
&
6714 WOODLAKE DR.
HAAR, DONNA M.
ASSESSOR NO. 30-141-096.S
PARCEL NO. 78-68513
NO TAKE

④
3221 N. MCCORD RD.
FANKHAUSER, TYSON K.
ASSESSOR NO. 30-141-006.Z
PARCEL NO. 78-91517
NO TAKE

⑥
3229 N. MCCORD RD.
STUBBS, MICHAEL C. & HEATHER
ASSESSOR NO. 30-141-005.Z
PARCEL NO. 78-91514
NO TAKE

⑧
3237 N. MCCORD RD.
SUMMERS, ANN H., TRUSTEE
ASSESSOR NO. 30-141-004.Z
PARCEL NO. 78-91511
NO TAKE
NO TAKE

⑩
3245 N. MCCORD RD.
NIEMAN, RICHARD D. & MICHELLE
ASSESSOR NO. 30-141-098.S
PARCEL NO. 78-65113
NO TAKE

⑫
3251 N. MCCORD RD.
STUBBS, MICHAEL C. & HEATHER
ASSESSOR NO. 30-141-002.Z
PARCEL NO. 78-91504
NO TAKE

③
3210 N. MCCORD RD.
CHRISTENSEN, MARK S. & AMY
ASSESSOR NO. 30-220-031.Z
PARCEL NO. 78-68584
NO TAKE

⑤
3226 N. MCCORD RD.
DANKMER, DANIEL R.
ASSESSOR NO. 30-220-033.Z
PARCEL NO. 78-68591
NO TAKE

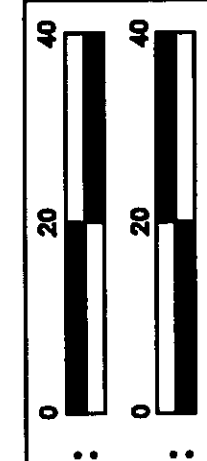
⑦
3228 N. MCCORD RD.
SHIPLE, CHRISTOPHER R.
ASSESSOR NO. 30-220-034.Z
PARCEL NO. 78-68594
NO TAKE

⑨
3232 N. MCCORD RD.
MYTYK, ALLEN M. & JANE A.
ASSESSOR NO. 30-220-035.Z
PARCEL NO. 78-68597
NO TAKE

⑪
3246 N. MCCORD RD.
BRUMMETT, PATRICIA A.
ASSESSOR NO. 30-220-037.Z
PARCEL NO. 78-68604
NO TAKE

⑬
3252 N. MCCORD RD.
WORLAND, CHARLENE I. & RONALD J.
ASSESSOR NO. 30-220-038.Z
PARCEL NO. 78-68607
NO TAKE

ZONE OF HEALTH
PLAT VOLUME 41 PAGE 21



H: PWH
V: LMM

RIGHT OF WAY DETAIL-C.R. 73
STA. 36+00 TO STA. 41+00

LUC. C.R. NO. 73
MCCORD ROAD

8A/17A

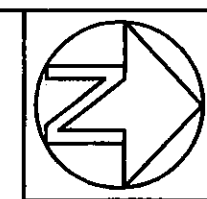
89
107

LCEO	11/08	EAST SIDE REVISED
REV'D.	DATE	DESCRIPTION

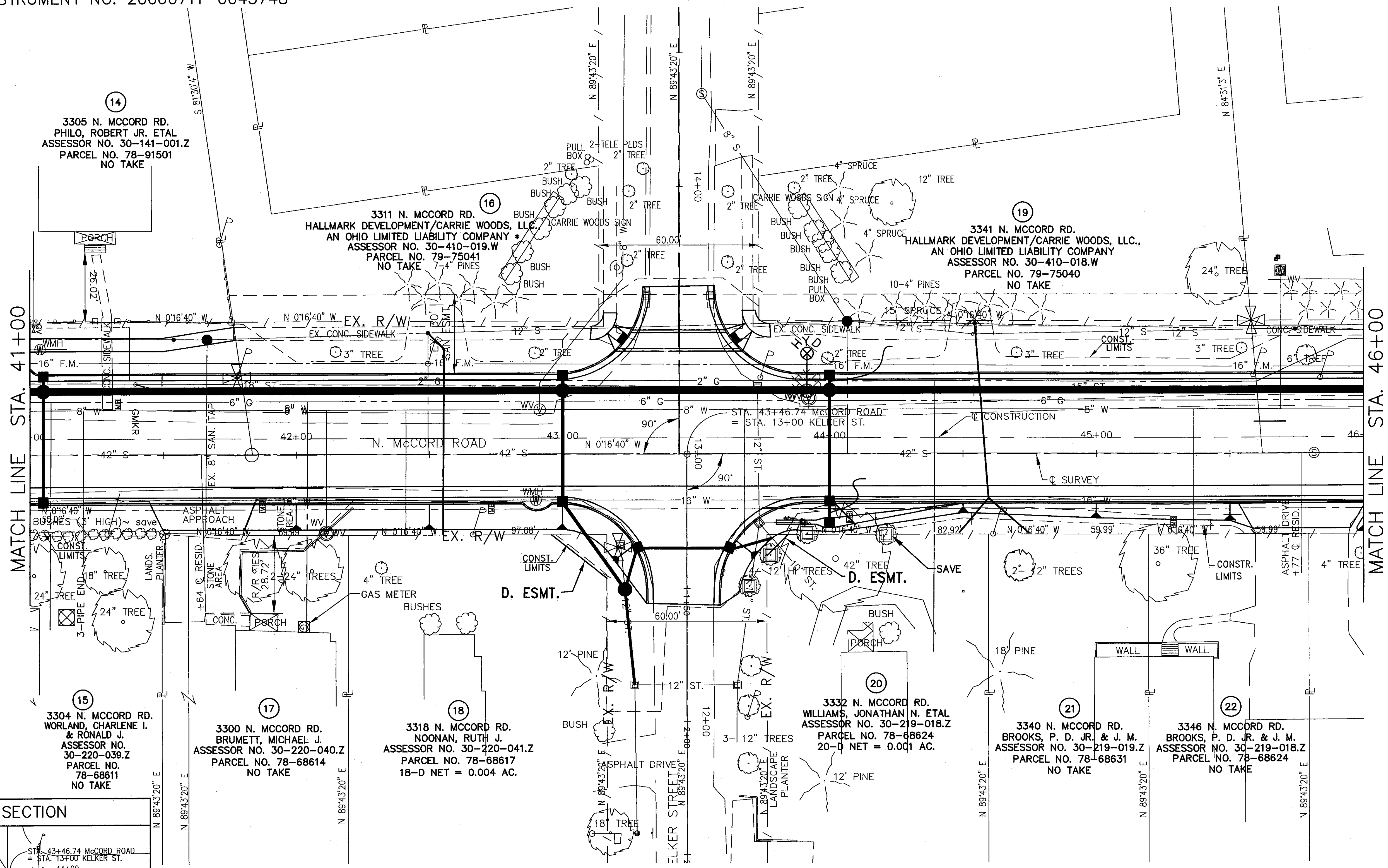
WESTCHESTER MEADOWS
 PLAT VOLUME 77 PAGE 12
 AND
 CARRIE WOODS ONE
 INSTRUMENT NO. 20060711-0045748

SECTIONS 21 & 22
 TOWNSHIP 9 SOUTH, RANGE 6 EAST
 SYLVANIA TOWNSHIP
 LUCAS COUNTY

CARRIETOWNE NORTH PLAT ONE
 PLAT VOLUME 139 PAGE 70



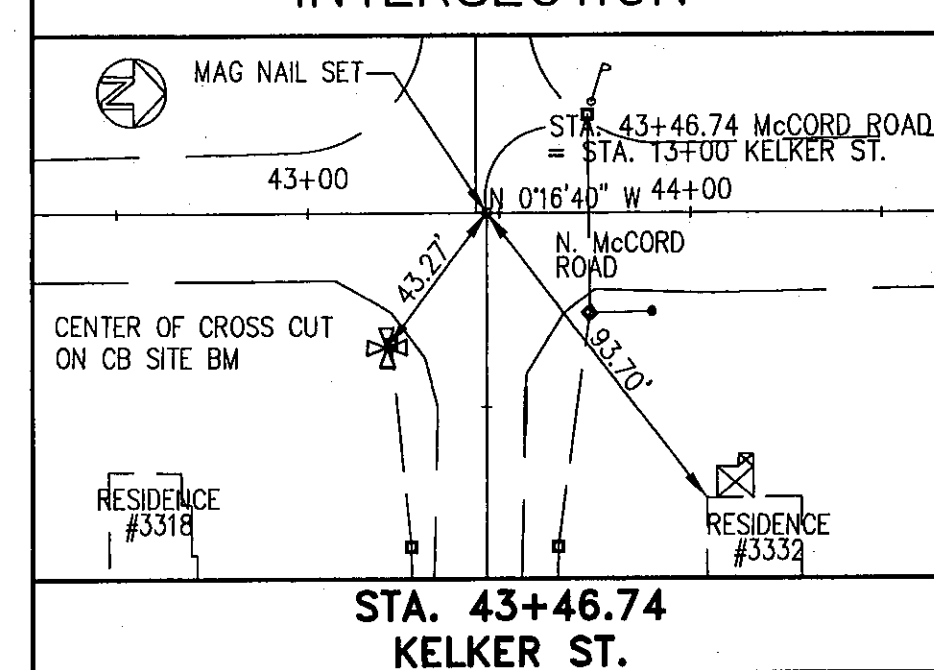
0	20	40
H:		V:
PWH		LMM



MATCH LINE STA. 41+00

MATCH LINE STA. 46+00

INTERSECTION



ZONE OF HEALTH
 PLAT VOLUME 41 PAGE 21

RIGHT OF WAY DETAIL-C.R. 73
 STA. 41+00 TO STA. 46+00

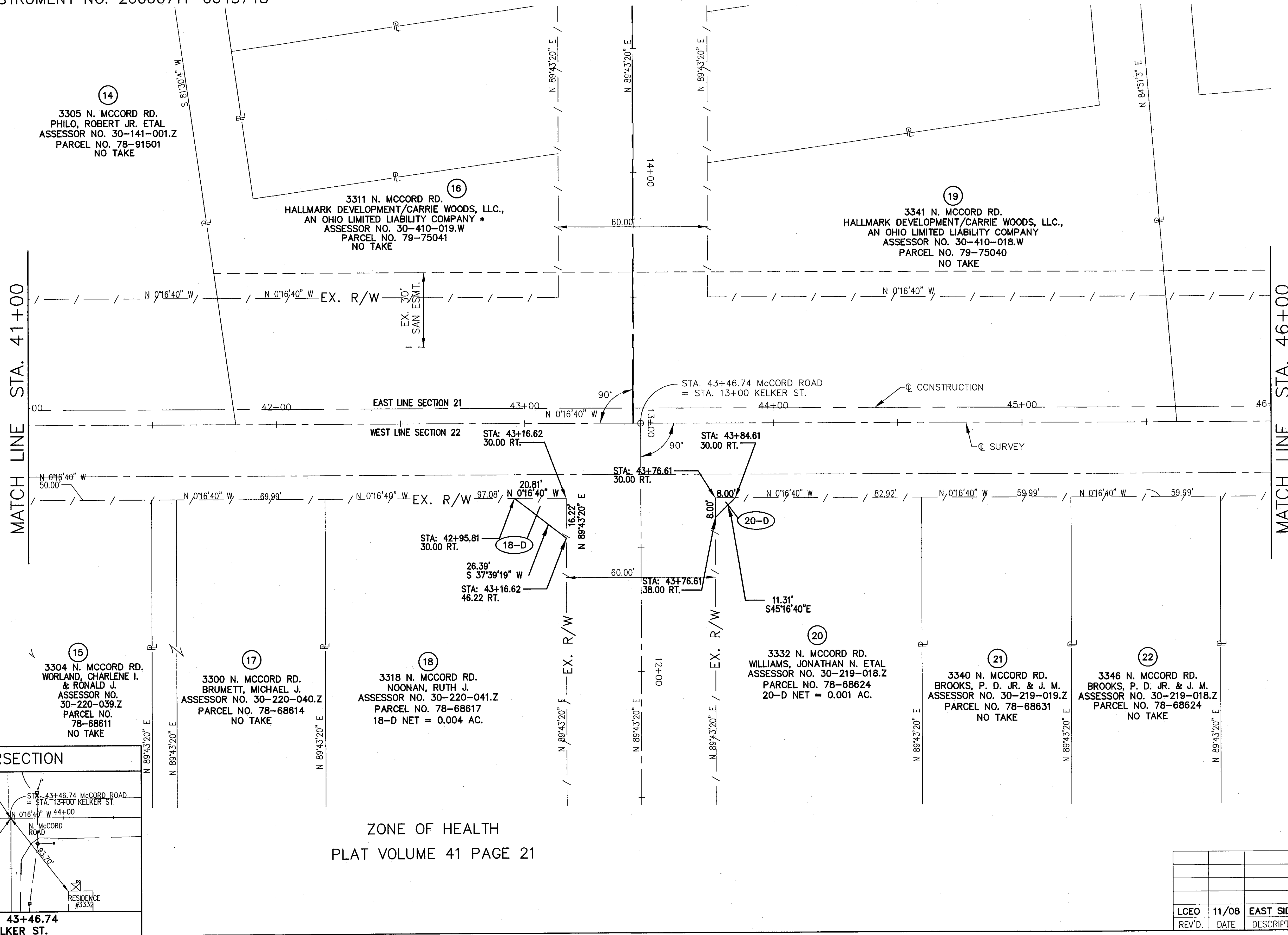
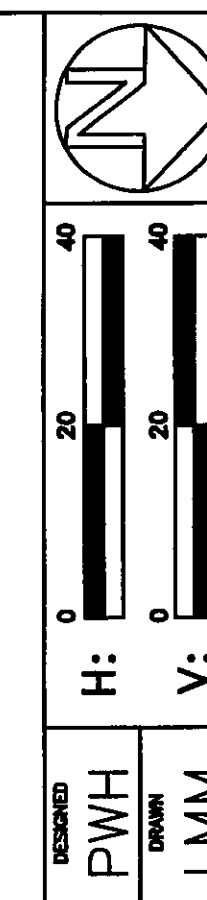
LUC. C.R. NO. 73
 MCCORD ROAD

9/17A
90
107
LCEO 11/08 EAST SIDE REVISED
REV'D. DATE DESCRIPTION

WESTCHESTER MEADOWS
 PLAT VOLUME 77 PAGE 12
 AND
 CARRIE WOODS ONE
 INSTRUMENT NO. 20060711-0045748

SECTIONS 21 & 22
 TOWNSHIP 9 SOUTH, RANGE 6 EAST
 SYLVANIA TOWNSHIP
 LUCAS COUNTY

CARRIETOWNE NORTH PLAT ONE
 PLAT VOLUME 139 PAGE 70

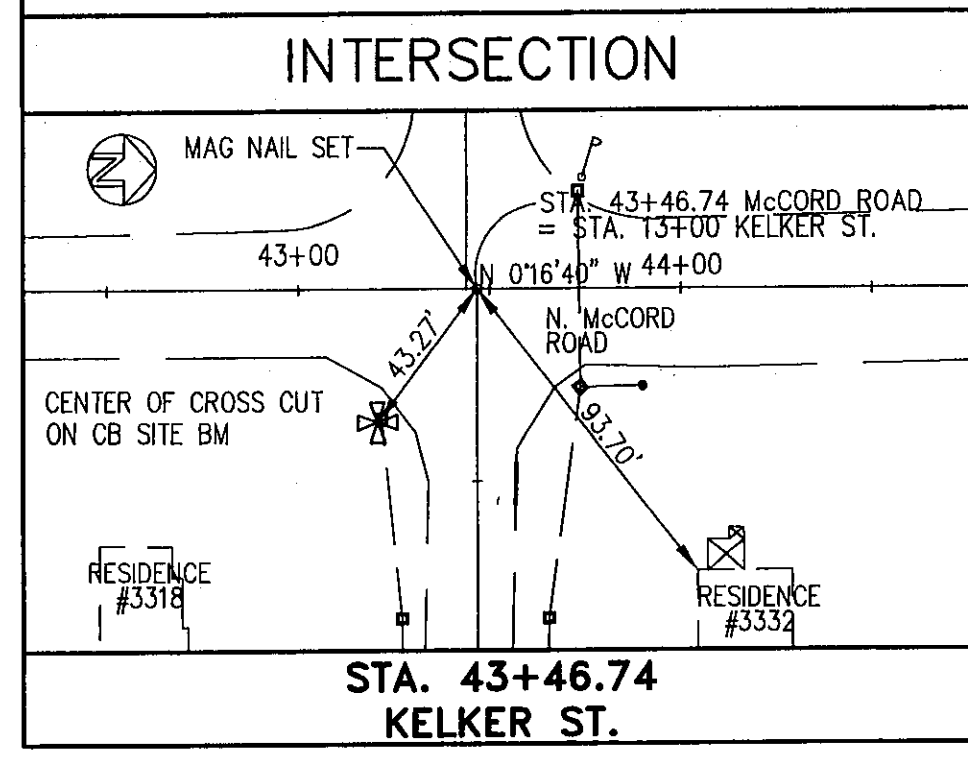


MATCH LINE STA. 41+00

MATCH LINE STA. 46+00

RIGHT OF WAY DETAIL-C.R. 73
 STA. 41+00 TO STA. 46+00

LUC. C.R. NO. 73
 MCCORD ROAD



ZONE OF HEALTH
 PLAT VOLUME 41 PAGE 21

LCEO	11/08	EAST SIDE REVISED
REV'D.	DATE	DESCRIPTION

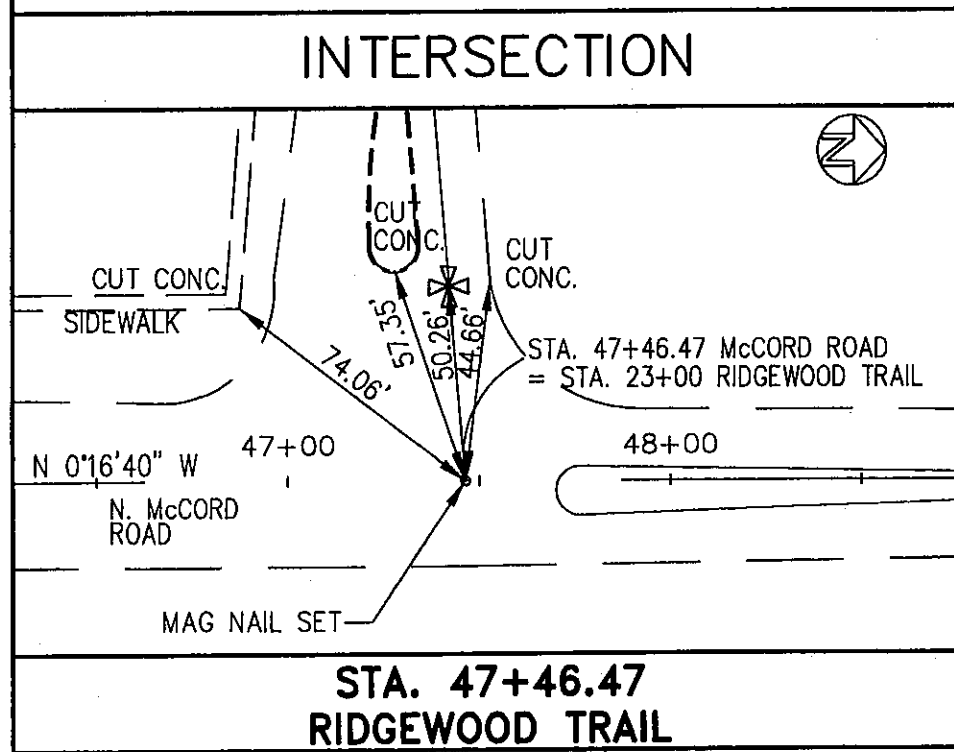
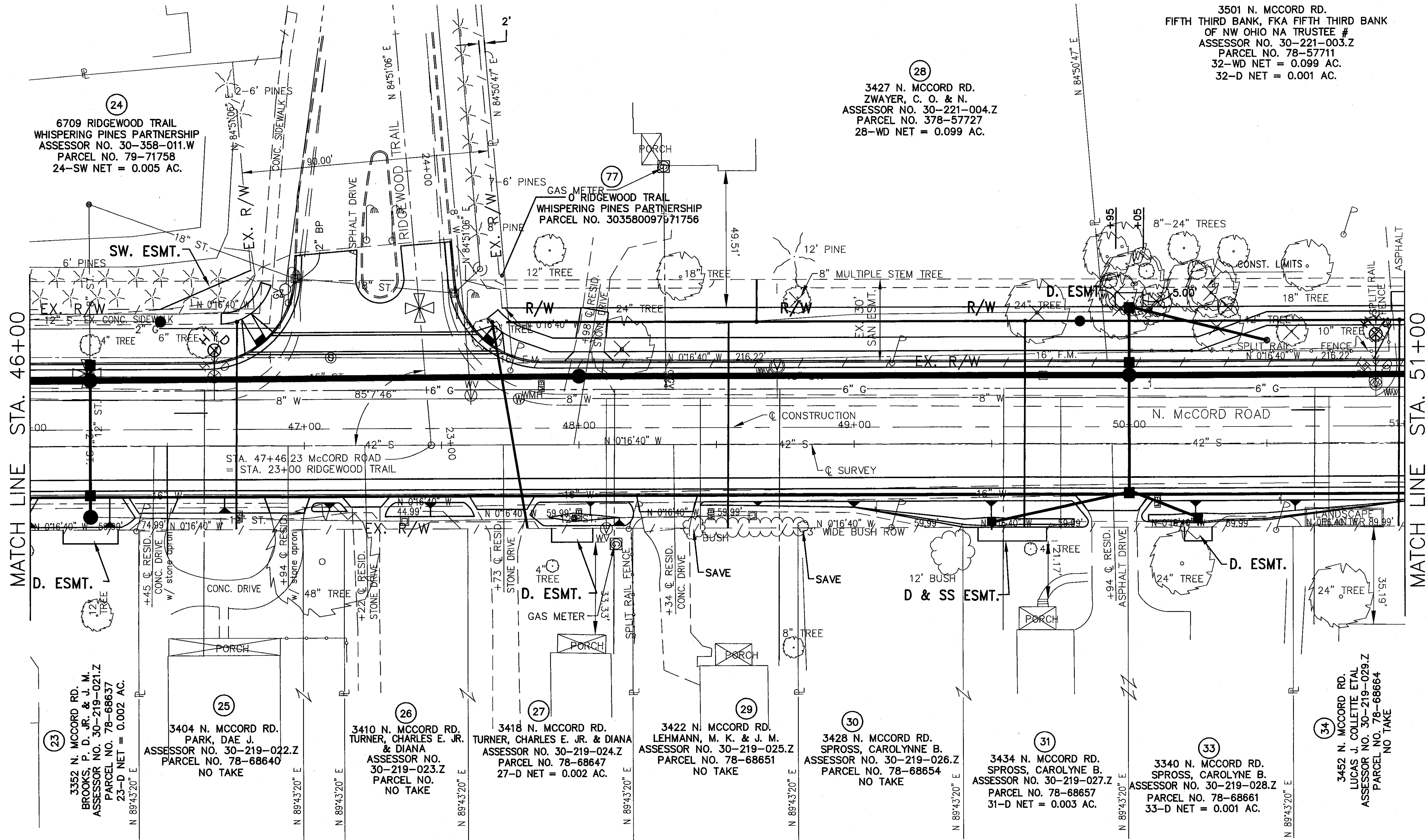
9A/17A
 91
 107

3501 N. MCCORD RD.
FIFTH THIRD BANK, FKA FIFTH THIRD BANK
OF NW OHIO NA TRUSTEE #
ASSESSOR NO. 30-221-003.Z
PARCEL NO. 78-57711
32-WD NET = 0.099 AC.
32-D NET = 0.001 AC.

3427 N. MCCORD RD.
ZWAYER, C. O. & N.
ASSESSOR NO. 30-221-004.Z
PARCEL NO. 378-57727
28-WD NET = 0.099 AC.

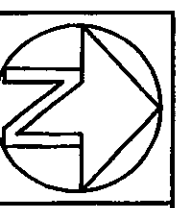
6709 RIDGEWOOD TRAIL
WHISPERING PINES PARTNERSHIP
ASSESSOR NO. 30-358-011.W
PARCEL NO. 79-71758
24-SW NET = 0.005 AC.

0 RIDGEWOOD TRAIL
WHISPERING PINES PARTNERSHIP
PARCEL NO. 303580097971756



ZONE OF HEALTH
PLAT VOLUME 41 PAGE 21

REV'D.	DATE	DESCRIPTION
	12/08	CORRECTED RIDGEWOOD TR. ROW
	11/08	REMOVED 28T AND 32T
	11/08	ADDED 24 SW
	11/08	EAST SIDE REVISED



FORWARD PWH
LMM

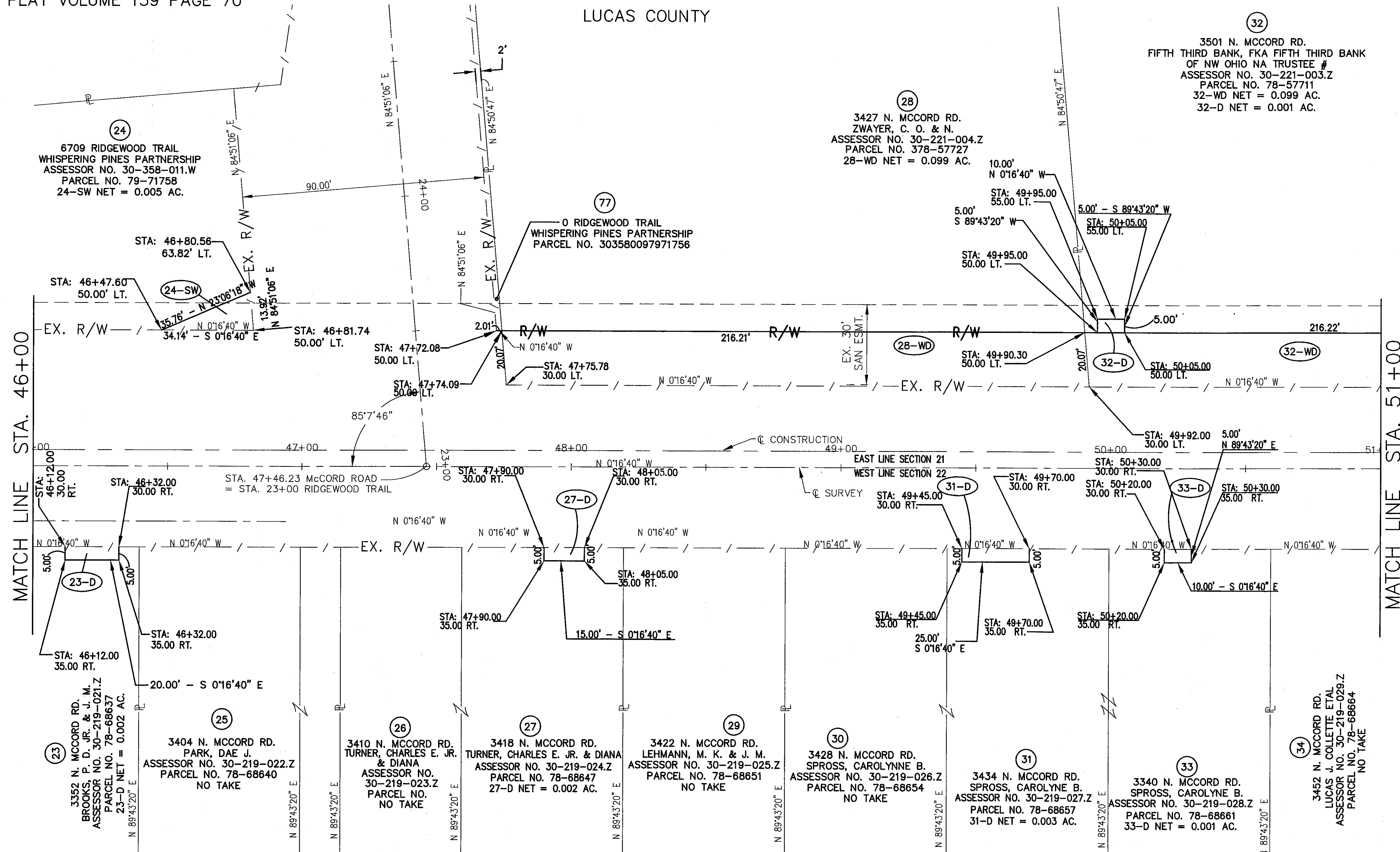
RIGHT OF WAY DETAIL-C.R. 73
STA. 46+00 TO STA. 51+00

LUC. C.R. NO. 73
McCord Road

10/17A

92

107



32
3501 N. MCCORD RD.
FIFTH THIRD BANK, FKA FIFTH THIRD BANK
OF NW OHIO NA TRUSTEE #
ASSESSOR NO. 30-221-004.Z
PARCEL NO. 78-57711
32-WD NET = 0.099 AC.
32-D NET = 0.001 AC.

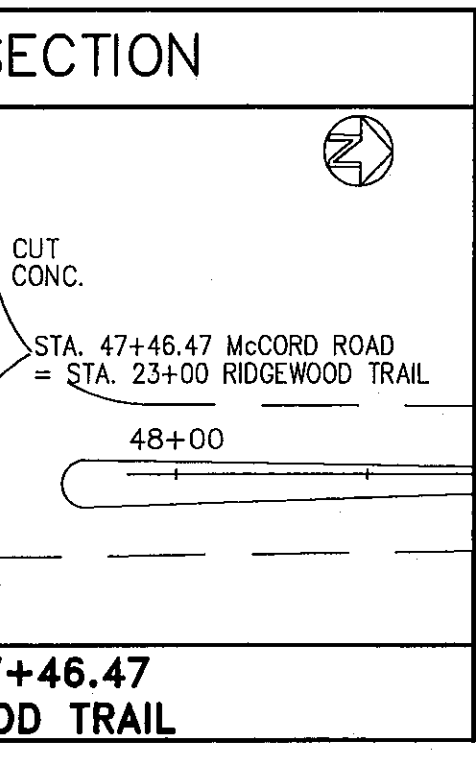
28
3427 N. MCCORD RD.
ZWAYER, C. O. & N.
ASSESSOR NO. 30-221-004.Z
PARCEL NO. 378-57727
28-WD NET = 0.099 AC.

24
6709 RIDGEWOOD TRAIL
WHISPERING PINES PARTNERSHIP
ASSESSOR NO. 30-358-011.W
PARCEL NO. 79-71758
24-SW NET = 0.005 AC.

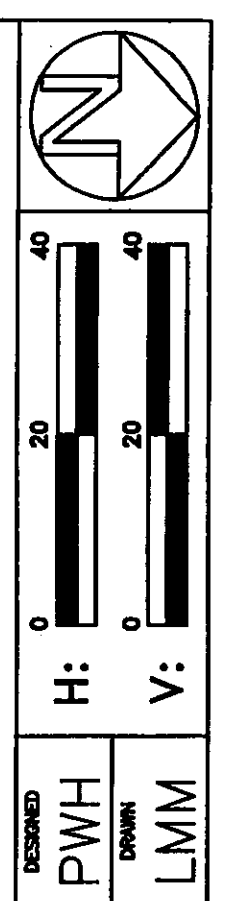
77
0 RIDGEWOOD TRAIL
WHISPERING PINES PARTNERSHIP
PARCEL NO. 303580097971756

MATCH LINE STA. 46+00

MATCH LINE STA. 51+00



ZONE OF HEALTH
PLAT VOLUME 41 PAGE 21

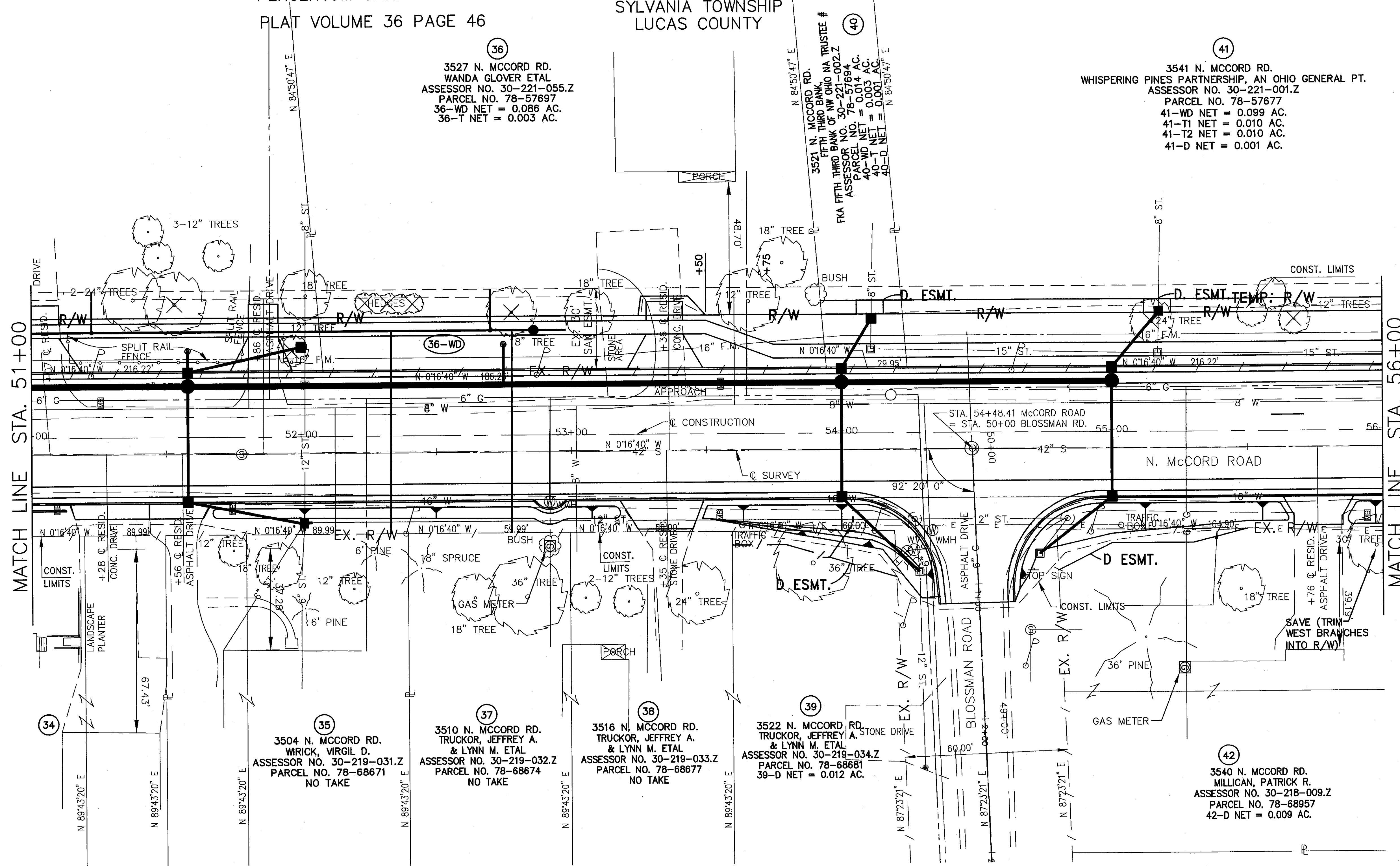


RIGHT OF WAY DETAIL-C.R. 73
STA. 46+00 TO STA. 51+00

LUC. C.R. NO. 73
MCCORD ROAD

REV'D.	DATE	DESCRIPTION
LCEO	12/08	CORRECTED RIDGEWOOD TR. ROW
LCEO	11/08	REMOVED 28T AND 32T
LCEO	11/08	ADDED 24 SW
LCEO	11/08	EAST SIDE REVISED

93
107



36
3527 N. MCCORD RD.
WANDA GLOVER ETAL
ASSESSOR NO. 30-221-055.Z
PARCEL NO. 78-57697
36-WD NET = 0.086 AC.
36-T NET = 0.003 AC.

40
3521 N. MCCORD RD.
FIFTH THIRD BANK,
RKA FIFTH THIRD BANK OF OHIO NA TRUSTEE #
ASSESSOR NO. 30-221-002.Z
PARCEL NO. 78-57694
40-WD NET = 0.014 AC.
40-T NET = 0.003 AC.
40-D NET = 0.001 AC.

41
3541 N. MCCORD RD.
WHISPERING PINES PARTNERSHIP, AN OHIO GENERAL PT.
ASSESSOR NO. 30-221-001.Z
PARCEL NO. 78-57677
41-WD NET = 0.099 AC.
41-T1 NET = 0.010 AC.
41-T2 NET = 0.010 AC.
41-D NET = 0.001 AC.

35
3504 N. MCCORD RD.
WIRICK, VIRGIL D.
ASSESSOR NO. 30-219-031.Z
PARCEL NO. 78-68671
NO TAKE

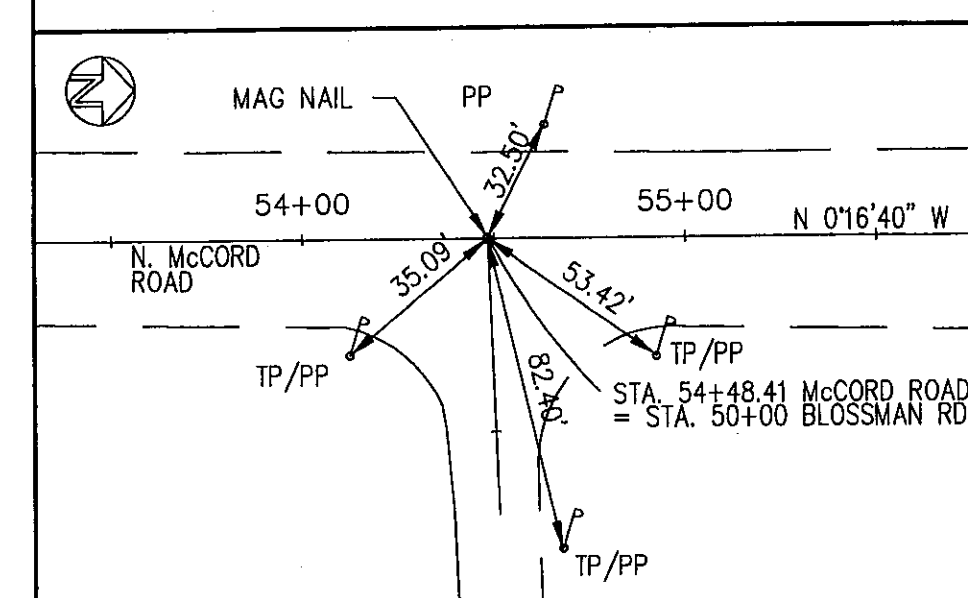
37
3510 N. MCCORD RD.
TRUCKOR, JEFFREY A.
& LYNN M. ETAL
ASSESSOR NO. 30-219-032.Z
PARCEL NO. 78-68674
NO TAKE

38
3516 N. MCCORD RD.
TRUCKOR, JEFFREY A.
& LYNN M. ETAL
ASSESSOR NO. 30-219-033.Z
PARCEL NO. 78-68677
NO TAKE

39
3522 N. MCCORD RD.
TRUCKOR, JEFFREY A.
& LYNN M. ETAL
ASSESSOR NO. 30-219-034.Z
PARCEL NO. 78-68681
39-D NET = 0.012 AC.

42
3540 N. MCCORD RD.
MILLICAN, PATRICK R.
ASSESSOR NO. 30-218-009.Z
PARCEL NO. 78-68957
42-D NET = 0.009 AC.

INTERSECTION



ZONE OF HEALTH
PLAT VOLUME 41 PAGE 21

REV'D.	DATE	DESCRIPTION
	LCEO 4/09	ELIMINATED 42T
	LCEO 12/08	REVISED/RENAMED 36T2
	LCEO 11/08	REMOVED 32T AND 36T1
	LCEO 11/08	ADDED 24 SW
	RJS 4/30/08	ADDED 42-D

DESIGNED	PWH	H:
DRAWN	LMM	V:

RIGHT OF WAY DETAIL-C.R. 73
STA. 51+00 TO STA. 56+00

LUC. C.R. NO. 73
MCCORD ROAD

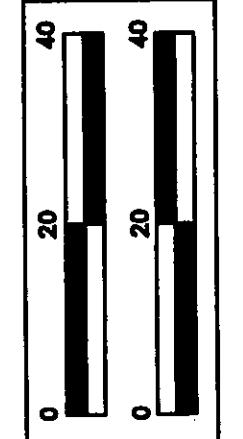
11/17A

94

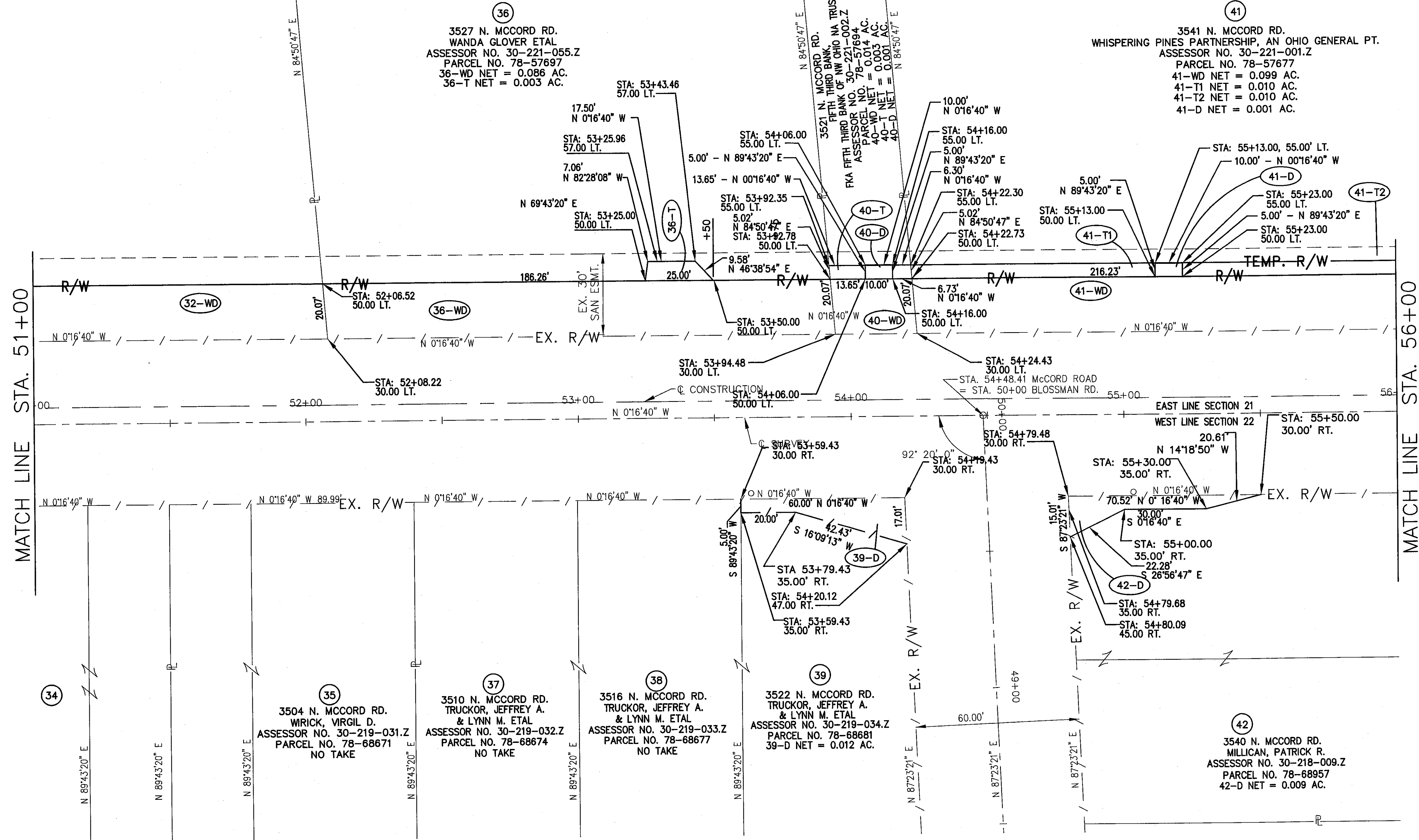
107

SECTIONS 21 & 22
TOWNSHIP 9 SOUTH, RANGE 6 EAST
SYLVANIA TOWNSHIP
LUCAS COUNTY

PERCENTUM GARDENS PLAT
PLAT VOLUME 36 PAGE 46



H: PWH
V: LMM

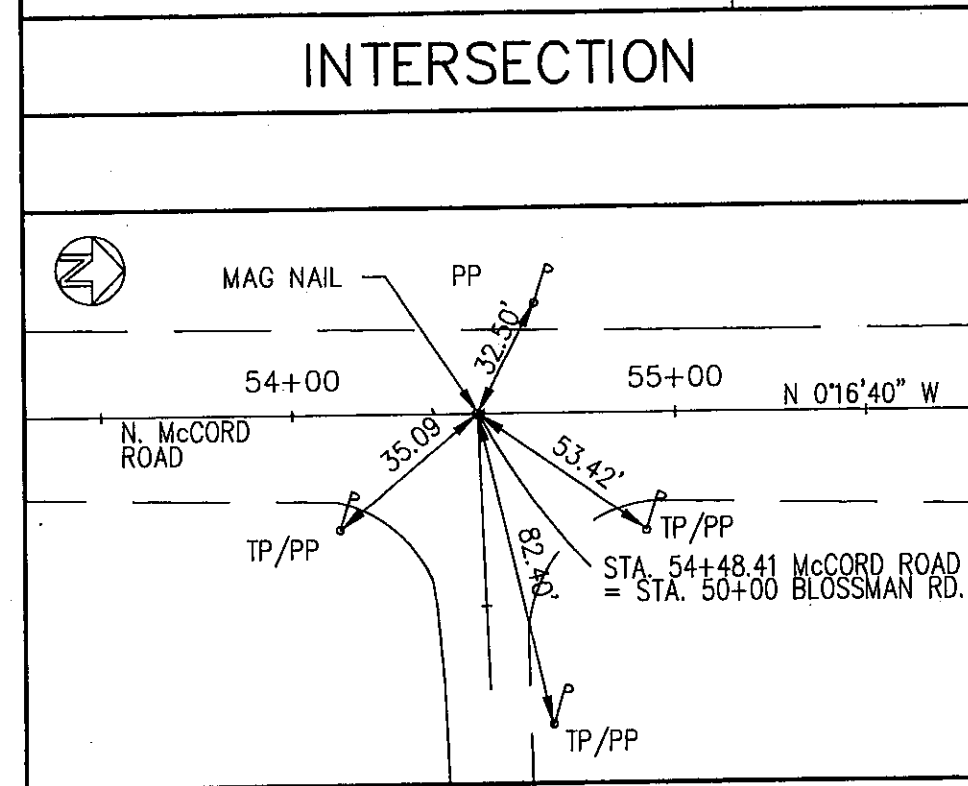


MATCH LINE STA. 51+00

MATCH LINE STA. 56+00

RIGHT OF WAY DETAIL - C.R. 73
STA. 51+00 TO STA. 56+00

LUC. C.R. NO. 73
McCord Road



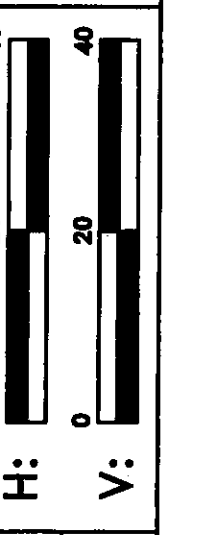
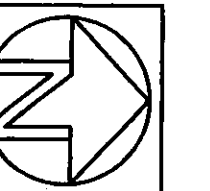
ZONE OF HEALTH
PLAT VOLUME 41 PAGE 21

REV'D.	DATE	DESCRIPTION
LCEO	12/08	REVISED/RENAMED 36T2
LCEO	11/08	REMOVED 32T AND 36T1
LCEO	11/08	ADDED 24 SW
RJS	4/30/08	ADDED 42-D

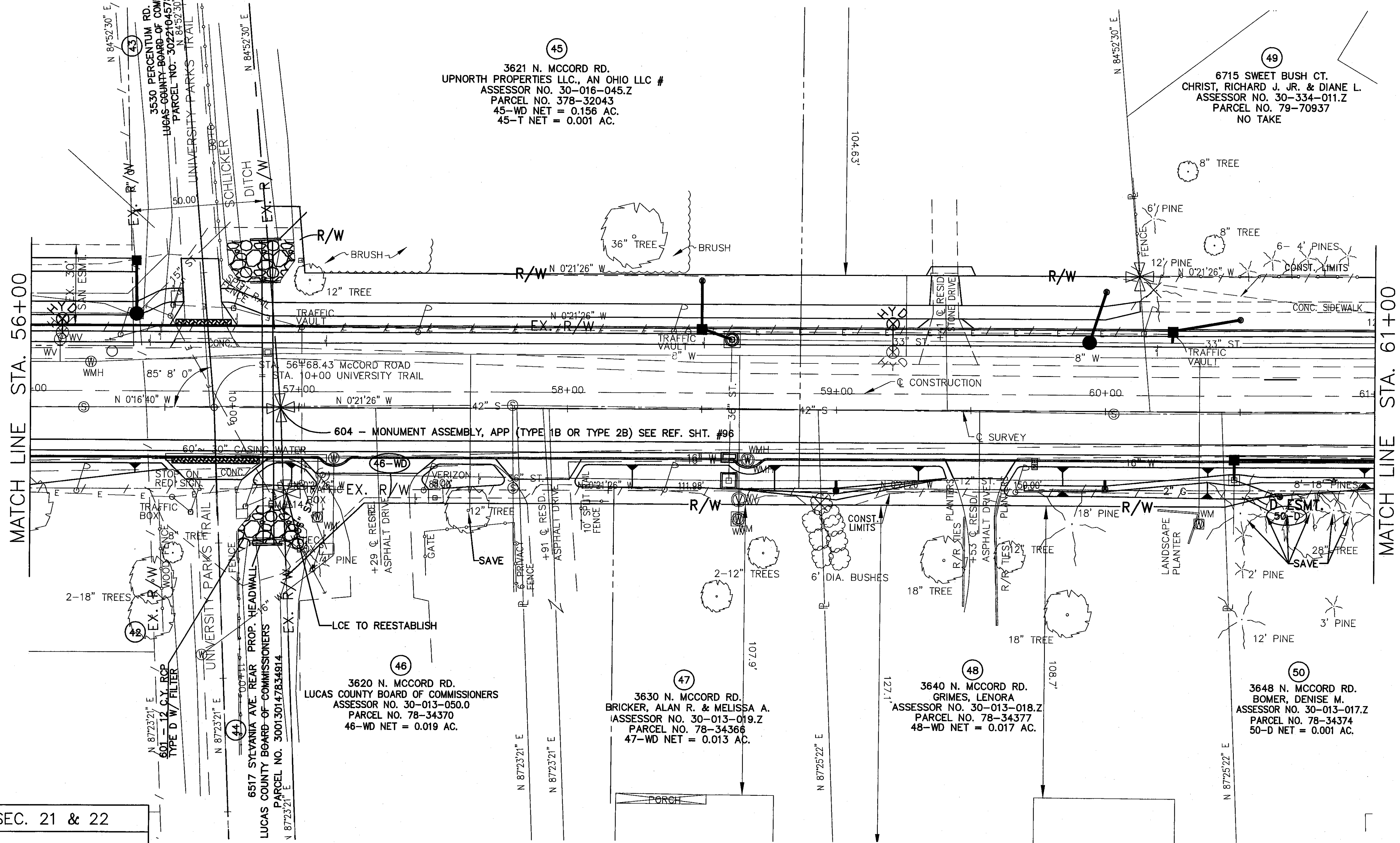
11A/17A
95
107

SECTIONS 21 & 22
 TOWNSHIP 9 SOUTH, RANGE 6 EAST
 SYLVANIA TOWNSHIP
 LUCAS COUNTY

MONARCH MEADOWS PLAT
 PLAT VOLUME 128 PAGE 69



H: PWH
 V: LMM



MATCH LINE STA. 56+00

MATCH LINE STA. 61+00

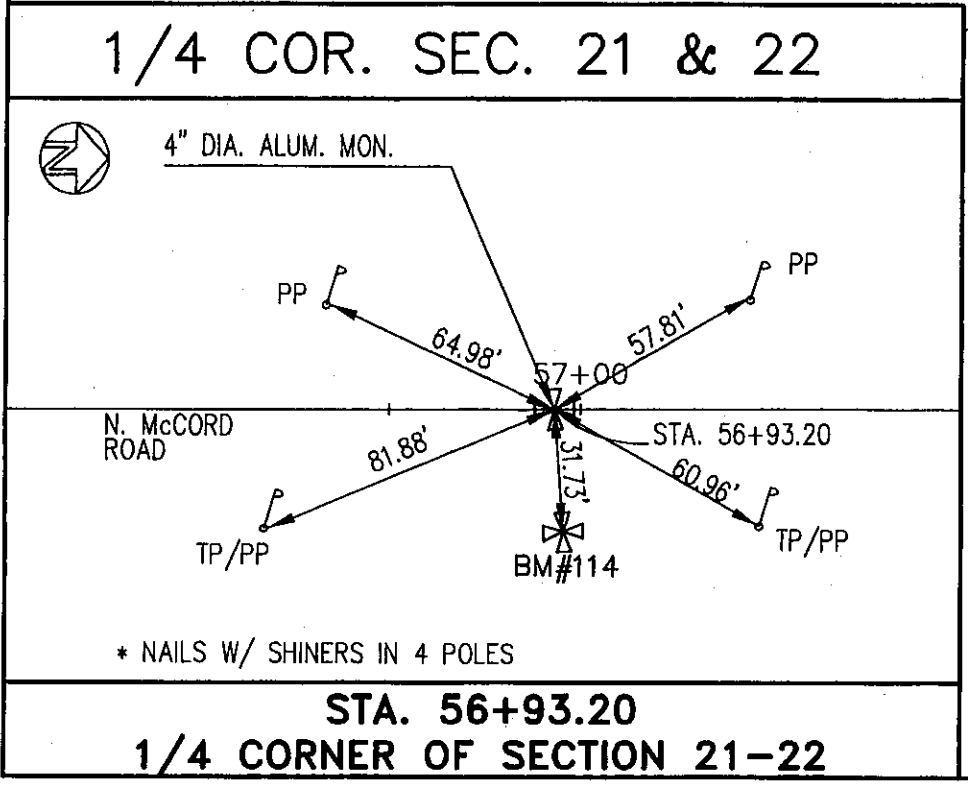
RIGHT OF WAY DETAIL - C.R. 73
 STA. 56+00 TO STA. 61+00

LUC. C.R. NO. 73
 MCCORD ROAD

12/17A

96

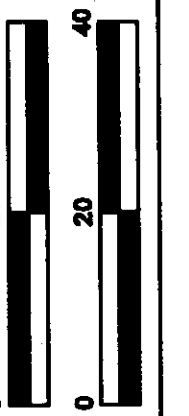
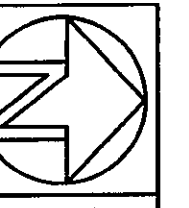
107



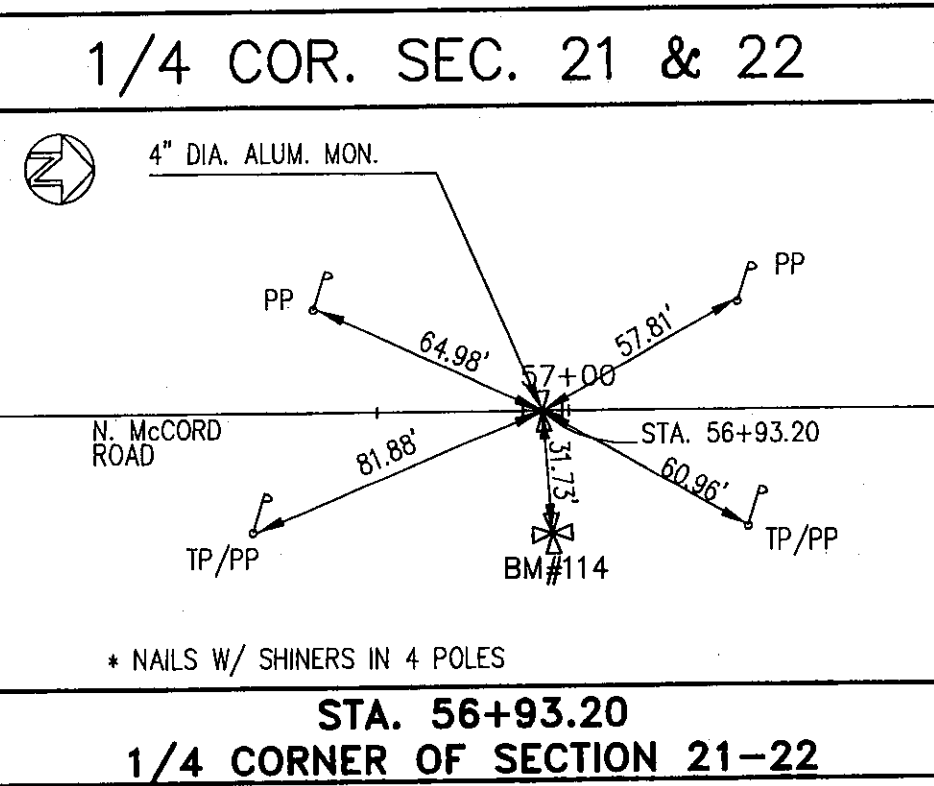
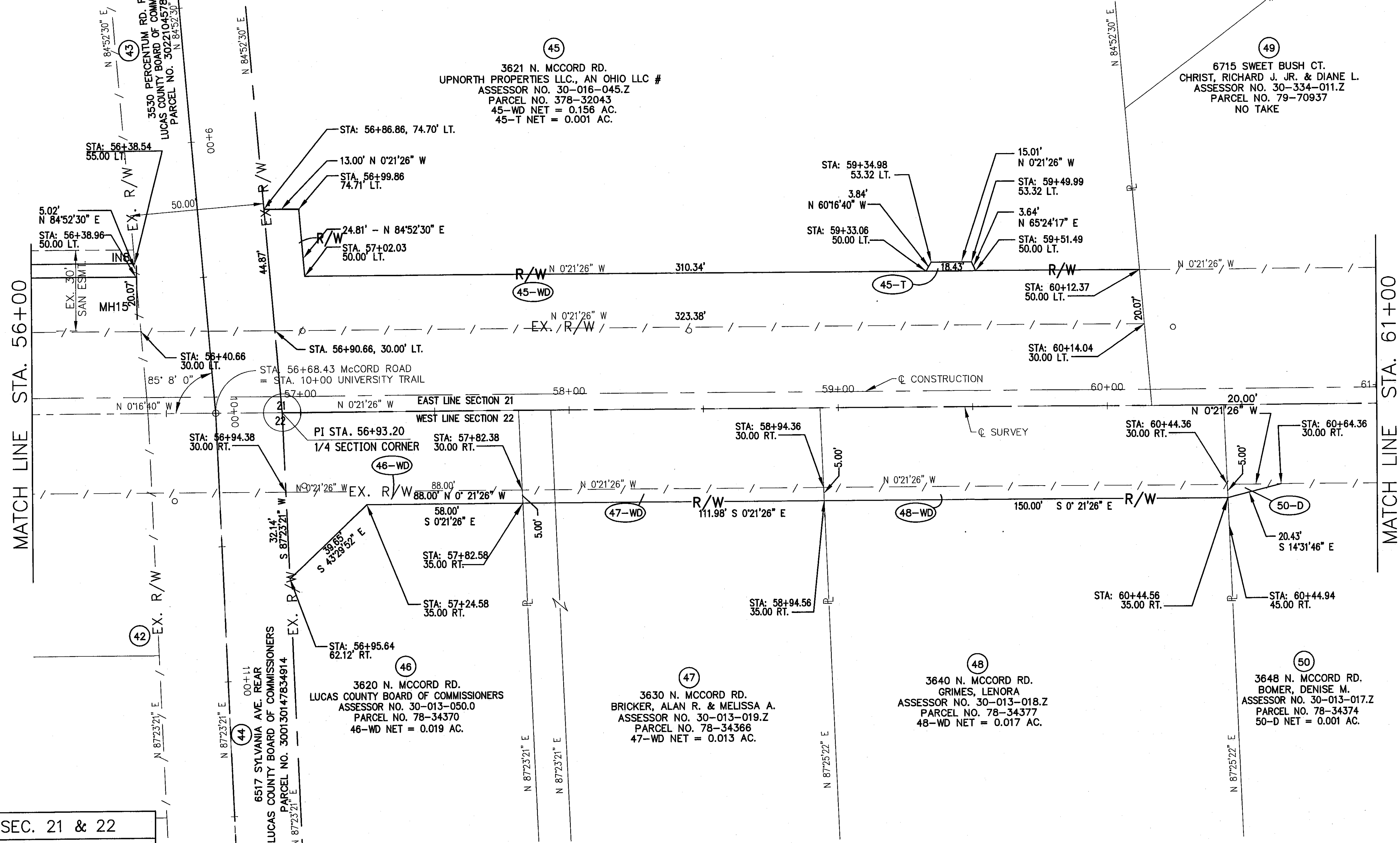
REV'D.	DATE	DESCRIPTION
LCEO	11/08	CORRECTED 45 WD
LCEO	11/08	REVISED EAST SIDE
RJS	4/18/08	REMOVED PARCEL 42A, 45-WD R/W
REV'D.	DATE	DESCRIPTION

SECTIONS 21 & 22
TOWNSHIP 9 SOUTH, RANGE 6 EAST
SYLVANIA TOWNSHIP
LUCAS COUNTY

MONARCH MEADOWS PLAT
PLAT VOLUME 128 PAGE 69



H: V:
PWH LMM



45
3621 N. MCCORD RD.
UPNORTH PROPERTIES LLC., AN OHIO LLC #
ASSESSOR NO. 30-016-045.Z
PARCEL NO. 378-32043
45-WD NET = 0.156 AC.
45-T NET = 0.001 AC.

49
6715 SWEET BUSH CT.
CHRIST, RICHARD J. JR. & DIANE L.
ASSESSOR NO. 30-334-011.Z
PARCEL NO. 79-70937
NO TAKE

44
6517 SYLVANIA AVE. REAR
LUCAS COUNTY BOARD OF COMMISSIONERS
PARCEL NO. 300130147634914

46
3620 N. MCCORD RD.
LUCAS COUNTY BOARD OF COMMISSIONERS
ASSESSOR NO. 30-013-050.0
PARCEL NO. 78-34370
46-WD NET = 0.019 AC.

47
3630 N. MCCORD RD.
BRICKER, ALAN R. & MELISSA A.
ASSESSOR NO. 30-013-019.Z
PARCEL NO. 78-34366
47-WD NET = 0.013 AC.

48
3640 N. MCCORD RD.
GRIMES, LENORA
ASSESSOR NO. 30-013-018.Z
PARCEL NO. 78-34377
48-WD NET = 0.017 AC.

50
3648 N. MCCORD RD.
BOMER, DENISE M.
ASSESSOR NO. 30-013-017.Z
PARCEL NO. 78-34374
50-D NET = 0.001 AC.

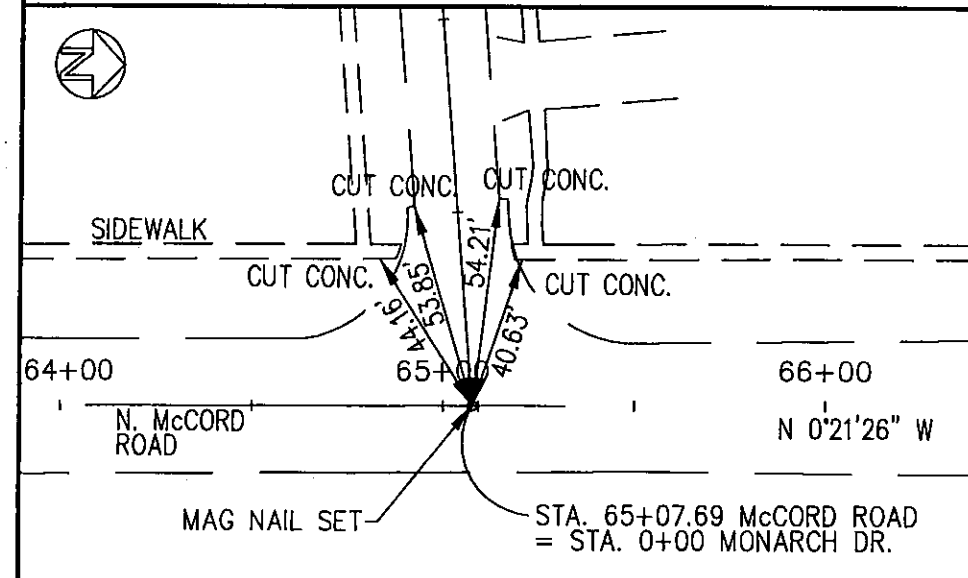
REV'D.	DATE	DESCRIPTION
LCEO	11/08	CORRECTED 45 WD
LCEO	11/08	REVISED EAST SIDE
RJS	4/18/08	REMOVED PARCEL 42A, 45-WD R/W
		1/2 SECTION MONUMENT

RIGHT OF WAY DETAIL-C.R. 73
STA. 56+00 TO STA. 61+00

LUC. C.R. NO. 73
MCCORD ROAD

12A/17A
97
107

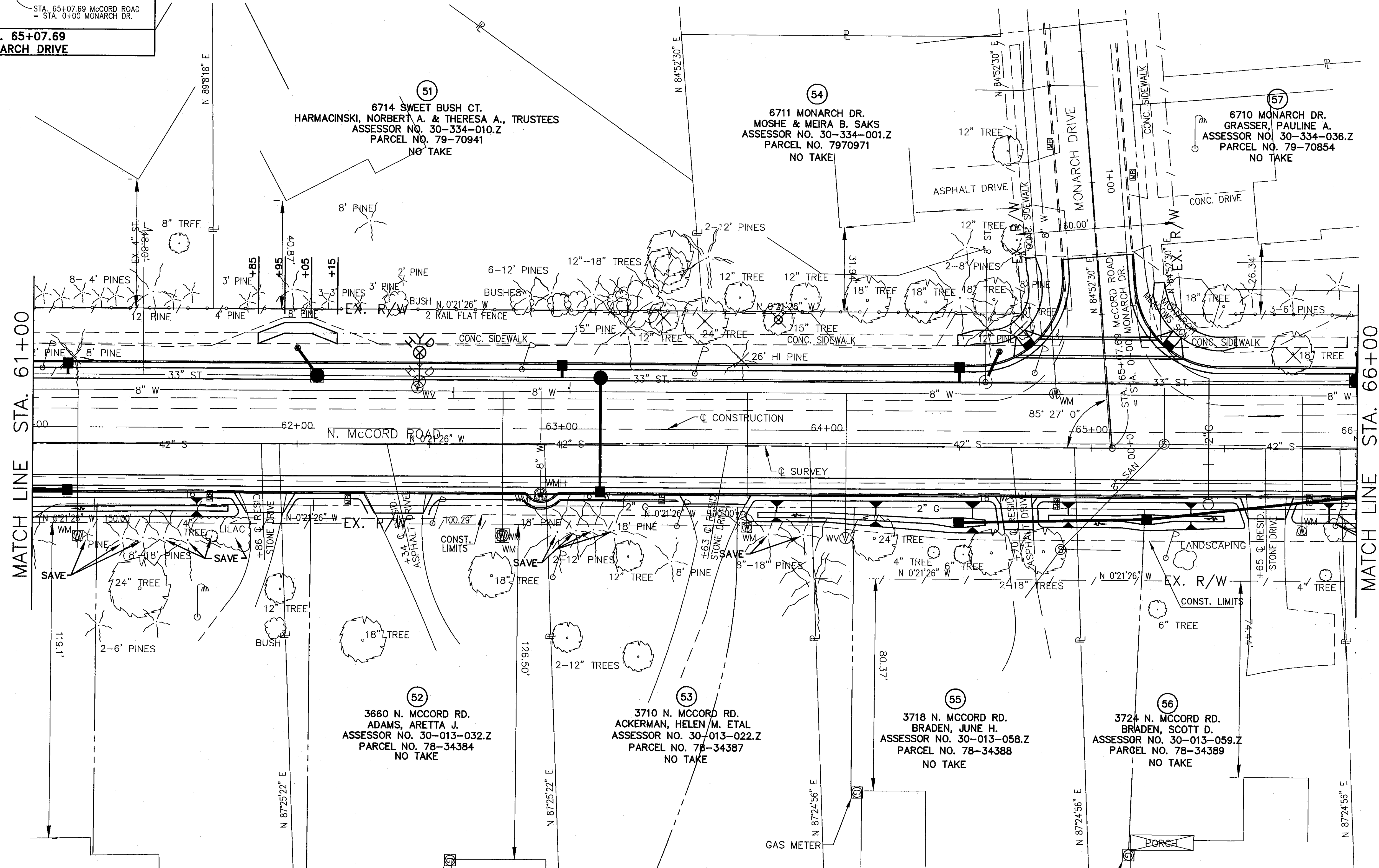
INTERSECTION



STA. 65+07.69
MONARCH DRIVE

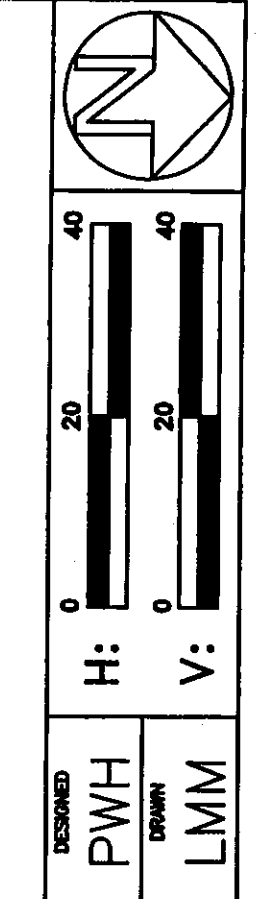
SECTIONS 21 & 22
TOWNSHIP 9 SOUTH, RANGE 6 EAST
SYLVANIA TOWNSHIP
LUCAS COUNTY

MONARCH MEADOWS PLAT
PLAT VOLUME 128 PAGE 69



MATCH LINE STA. 61+00

MATCH LINE STA. 66+00

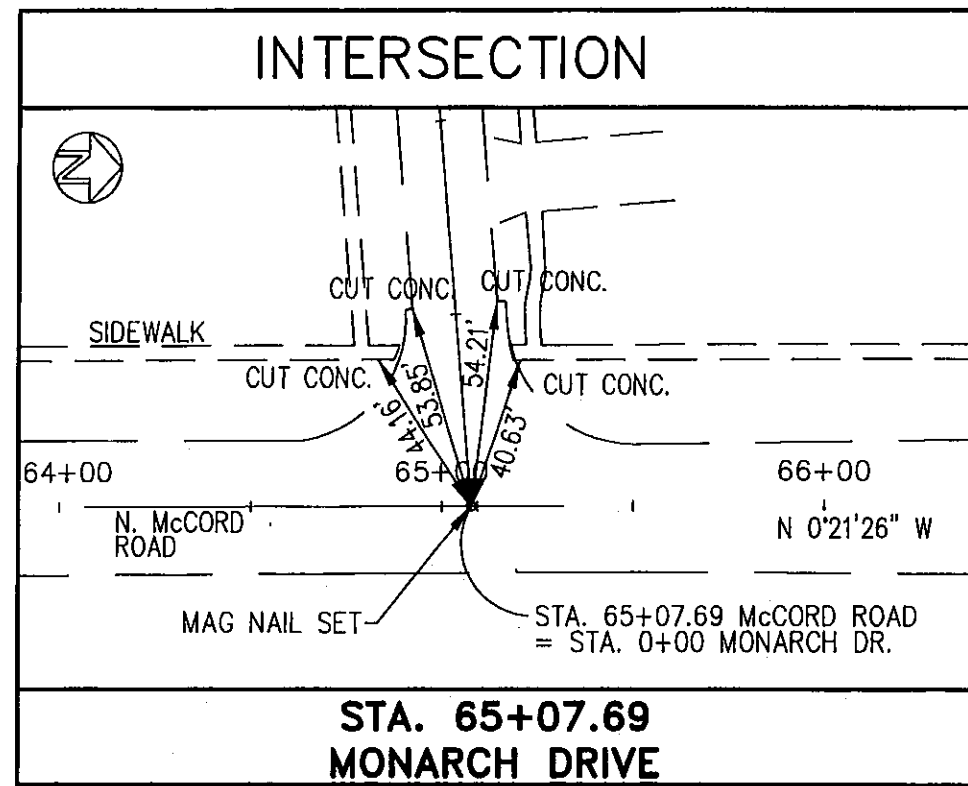


RIGHT OF WAY DETAIL—C.R. 73
STA. 61+00 TO STA. 66+00

LUC. C.R. NO. 73
McCord Road

LCEO	11/08	REVISED EAST SIDE
REV'D.	DATE	DESCRIPTION

13/17A
98
107

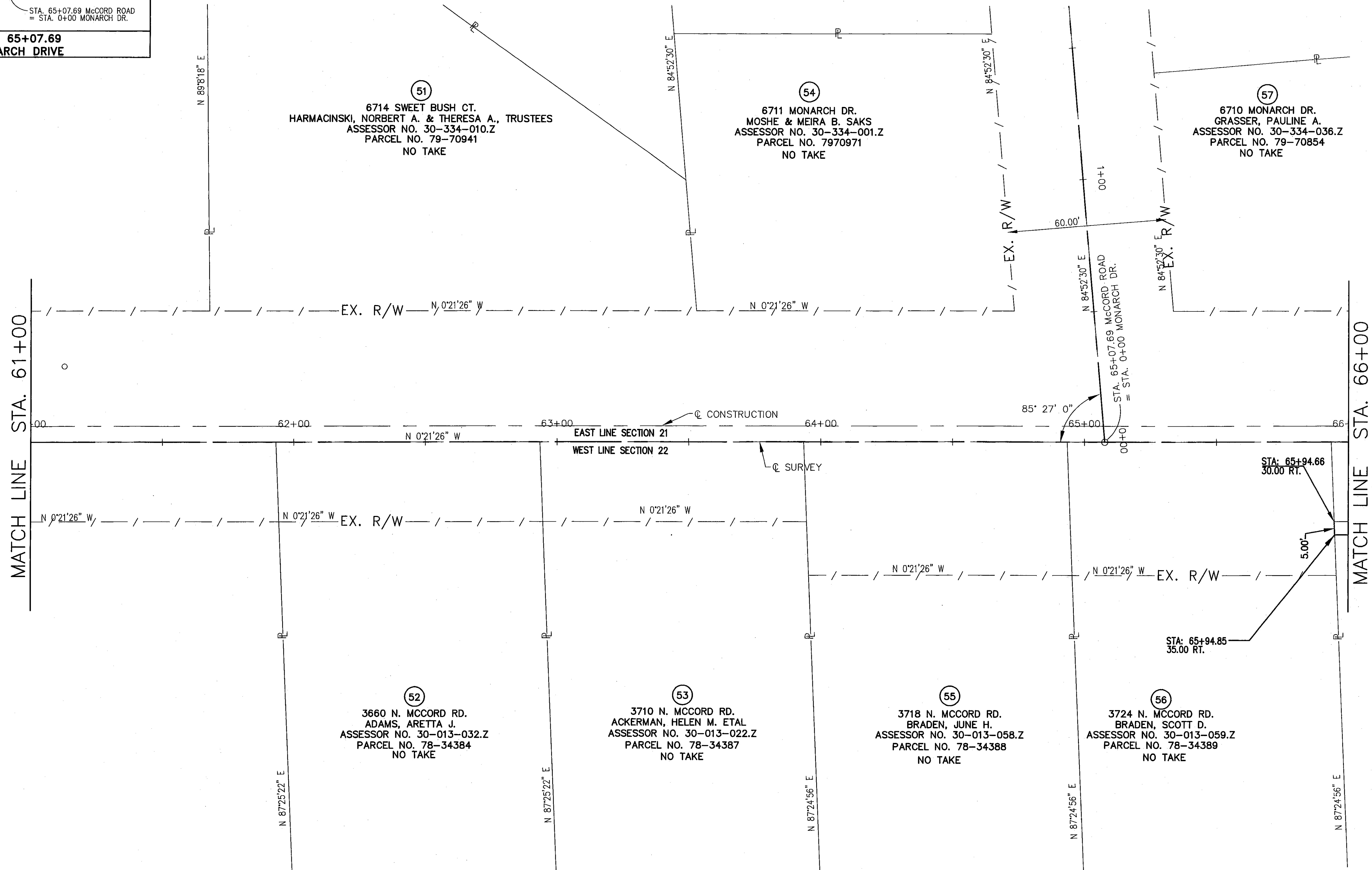


SECTIONS 21 & 22
TOWNSHIP 9 SOUTH, RANGE 6 EAST
SYLVANIA TOWNSHIP
LUCAS COUNTY

MONARCH MEADOWS PLAT
PLAT VOLUME 128 PAGE 69

H: 0 20 40
V: 0 20 40

PWH
LMM



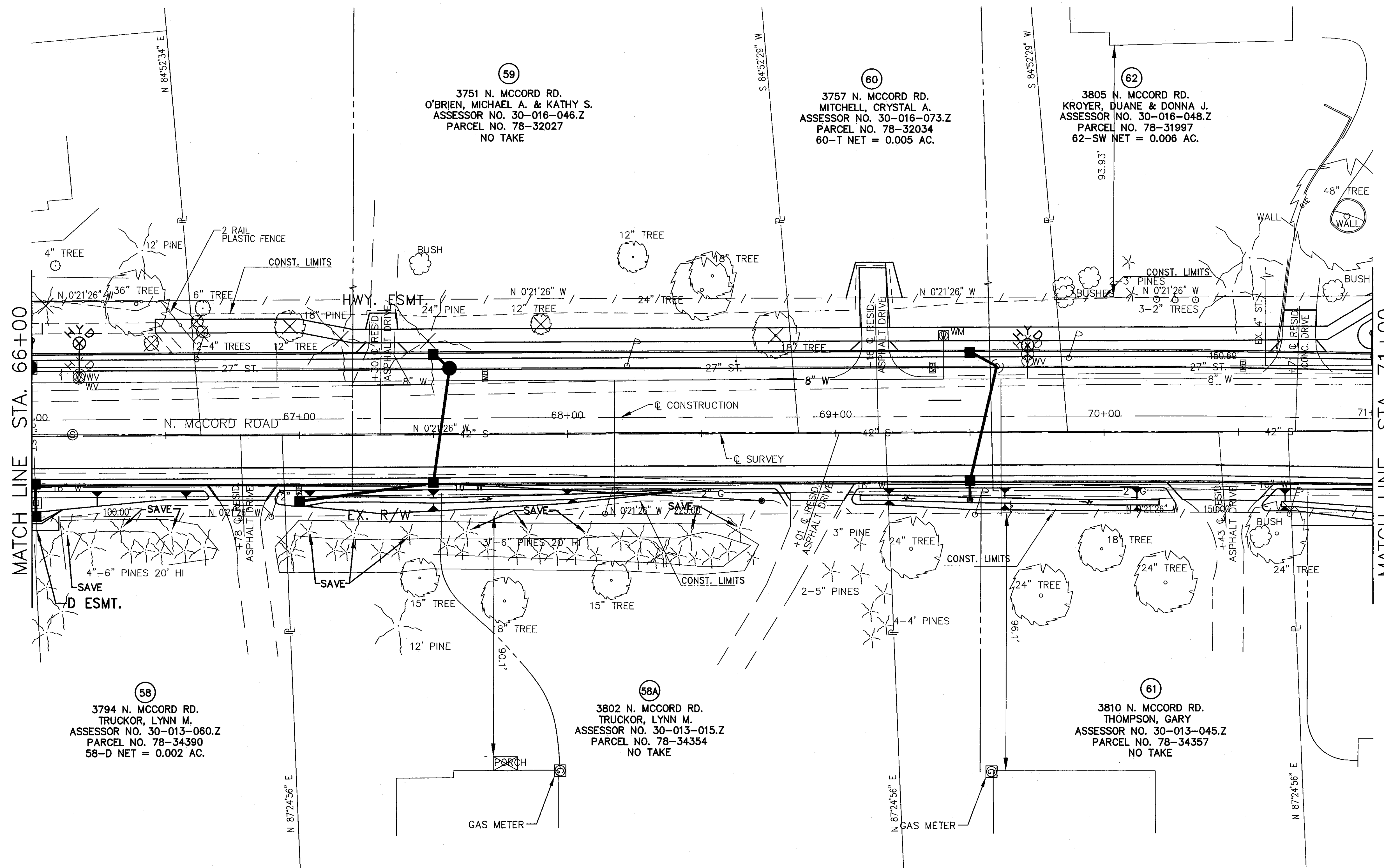
RIGHT OF WAY DETAIL—C.R. 73
STA. 61+00 TO STA. 66+00

LUC. C.R. NO. 73
McCORD ROAD

			13A/17A
			99
			107
LCEO	11/08	REVISED EAST SIDE	
REV'D.	DATE	DESCRIPTION	

SECTIONS 21 & 22
 TOWNSHIP 9 SOUTH, RANGE 6 EAST
 SYLVANIA TOWNSHIP
 LUCAS COUNTY

FARMBROOK ESTATES PLAT
 PLAT VOLUME 124 PAGE 65



MATCH LINE STA. 66+00

MATCH LINE STA. 71+00

58
 3794 N. MCCORD RD.
 TRUCKOR, LYNN M.
 ASSESSOR NO. 30-013-060.Z
 PARCEL NO. 78-34390
 58-D NET = 0.002 AC.

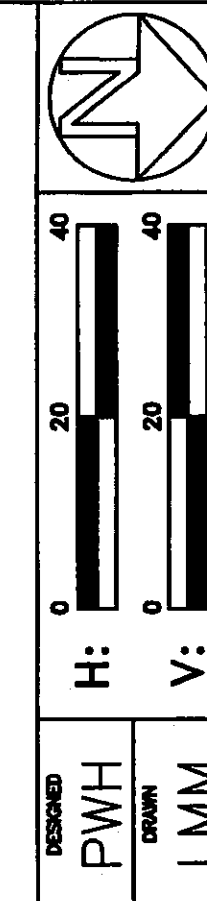
58A
 3802 N. MCCORD RD.
 TRUCKOR, LYNN M.
 ASSESSOR NO. 30-013-015.Z
 PARCEL NO. 78-34354
 NO TAKE

59
 3751 N. MCCORD RD.
 O'BRIEN, MICHAEL A. & KATHY S.
 ASSESSOR NO. 30-016-046.Z
 PARCEL NO. 78-32027
 NO TAKE

60
 3757 N. MCCORD RD.
 MITCHELL, CRYSTAL A.
 ASSESSOR NO. 30-016-073.Z
 PARCEL NO. 78-32034
 60-T NET = 0.005 AC.

62
 3805 N. MCCORD RD.
 KROYER, DUANE & DONNA J.
 ASSESSOR NO. 30-016-048.Z
 PARCEL NO. 78-31997
 62-SW NET = 0.006 AC.

61
 3810 N. MCCORD RD.
 THOMPSON, GARY
 ASSESSOR NO. 30-013-045.Z
 PARCEL NO. 78-34357
 NO TAKE



RIGHT OF WAY DETAIL-C.R. 73
 STA. 66+00 TO STA. 71+00

LUC. C.R. NO. 73
 MCCORD ROAD

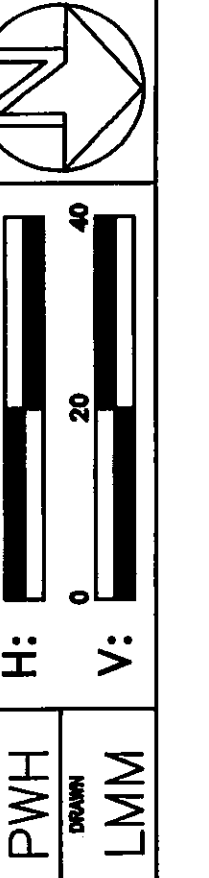
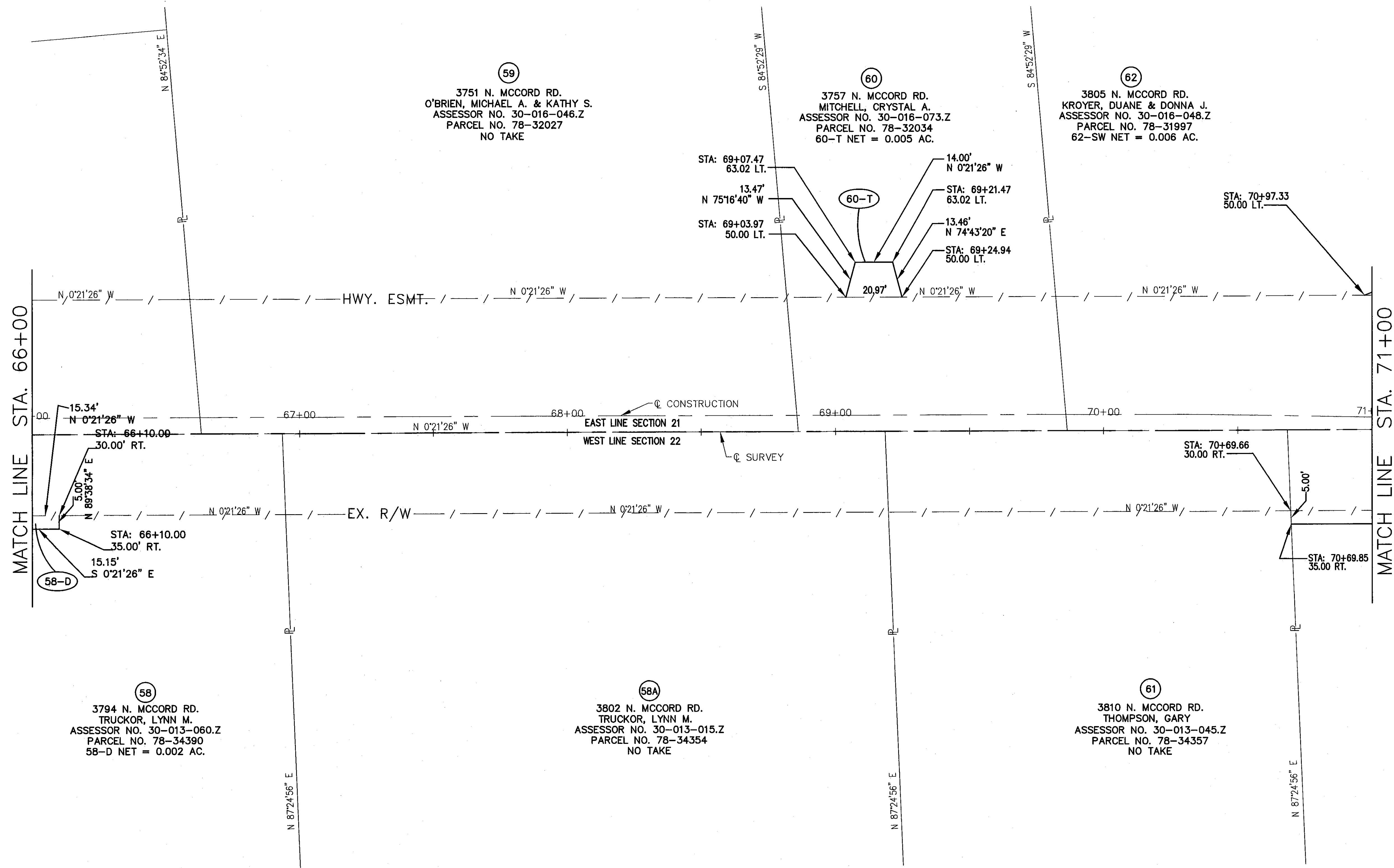
REV'D.	DATE	DESCRIPTION
LCEO	11/08	EAST SIDE REVISED

14/17A

100
 107

SECTIONS 21 & 22
TOWNSHIP 9 SOUTH, RANGE 6 EAST
SYLVANIA TOWNSHIP
LUCAS COUNTY

FARMBROOK ESTATES PLAT
PLAT VOLUME 124 PAGE 65



RIGHT OF WAY DETAIL - C.R. 73
STA. 66+00 TO STA. 71+00

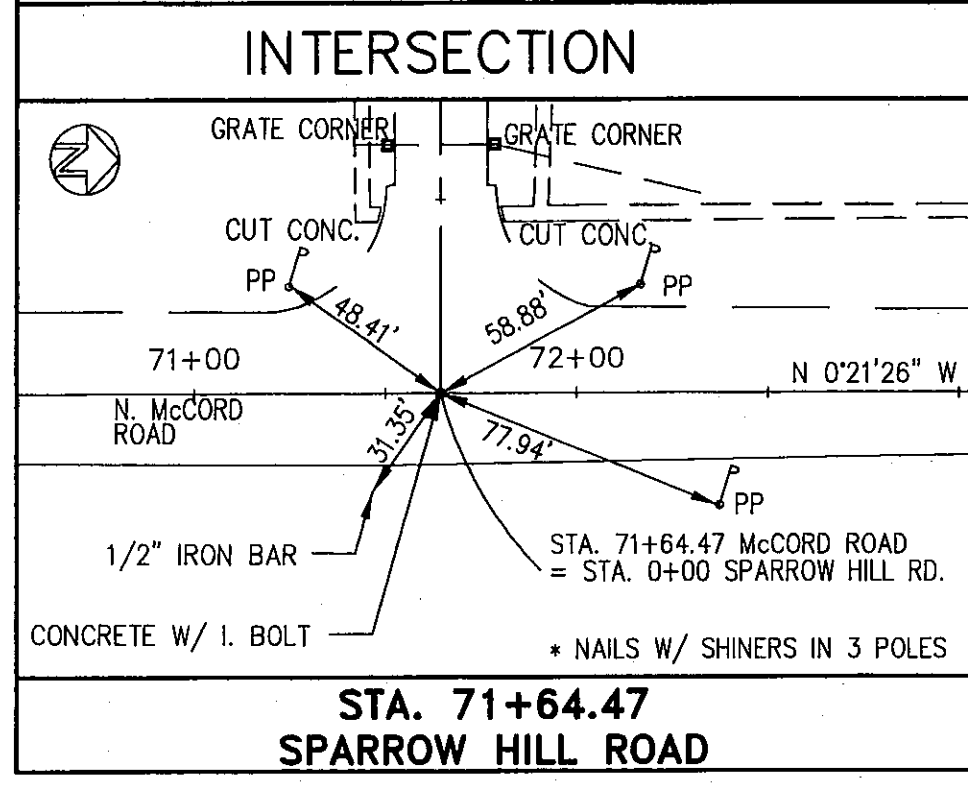
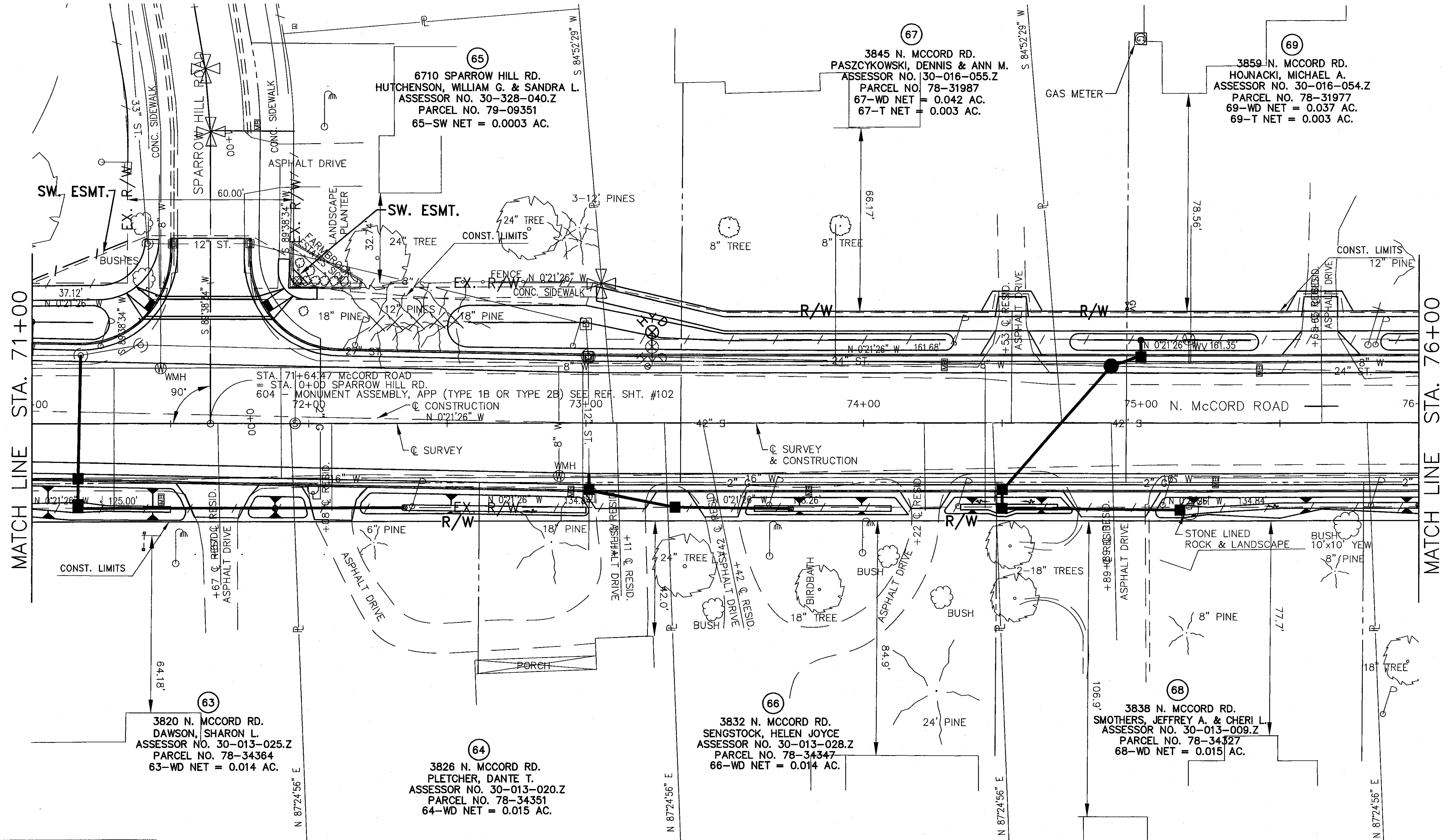
LUC. C.R. NO. 73
MCCORD ROAD

LCEO	11/08	EAST SIDE REVISED
REV'D.	DATE	DESCRIPTION

14A/17A
101
107

SECTIONS 21 & 22
TOWNSHIP 9 SOUTH, RANGE 6 EAST
SYLVANIA TOWNSHIP
LUCAS COUNTY

FARMBROOK ESTATES PLAT 5
PLAT VOLUME 124 PAGE 65



REV'D.	DATE	DESCRIPTION
LCEO	12/08	ADDED 65 SW
LCEO	12/08	REVISED 62 T TO 62 SW
LCEO	11/08	CORRECTED SPARROW HILL ROW
LCEO	11/08	REVISED EAST SIDE PER PUBLIC HRG.
RJS	4/10/08	SPARROW HILL R/W
REV'D.	DATE	DESCRIPTION

LUC. C.R. NO. 73
MCCORD ROAD

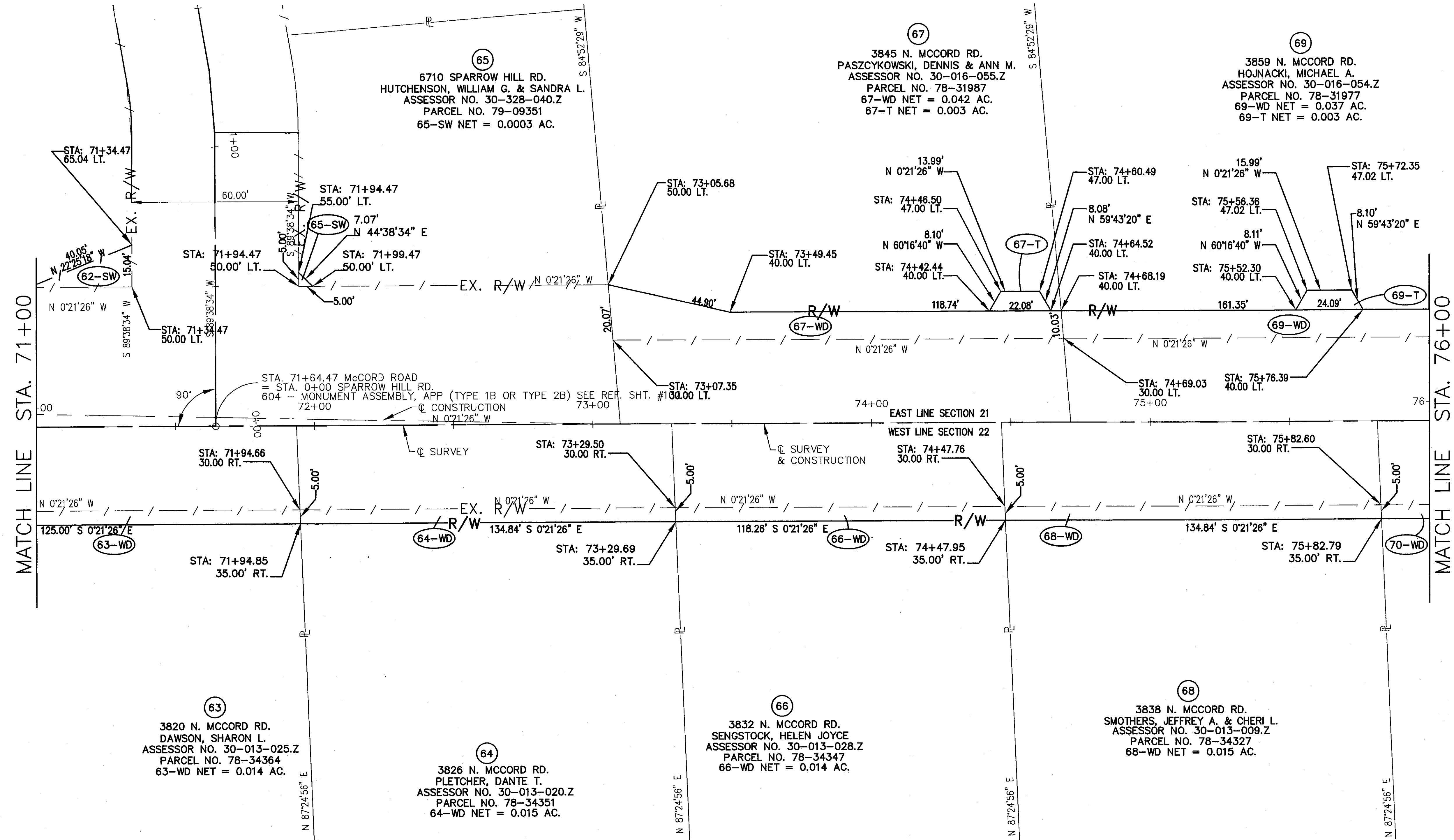
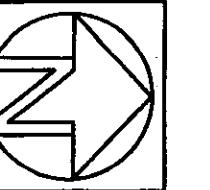
RIGHT OF WAY DETAIL—C.R. 73
STA. 71+00 TO STA. 76+00

15/17A

102
107

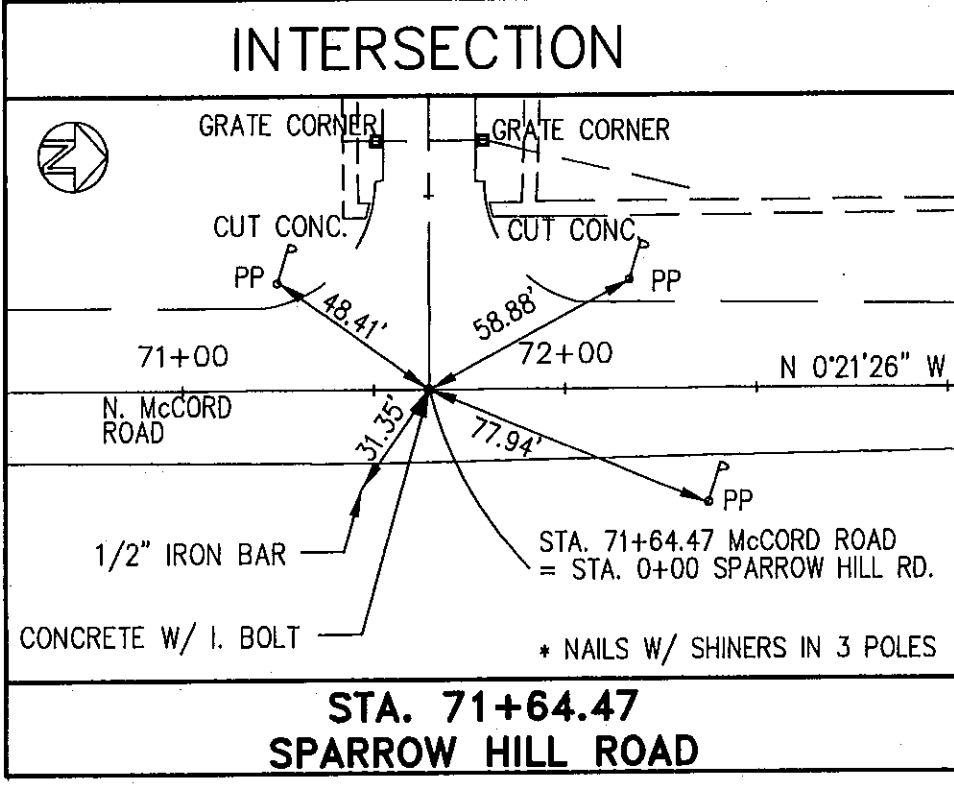
SECTIONS 21 & 22
TOWNSHIP 9 SOUTH, RANGE 6 EAST
SYLVANIA TOWNSHIP
LUCAS COUNTY

FARMBROOK ESTATES PLAT 5
PLAT VOLUME 124 PAGE 65



MATCH LINE STA. 71+00

MATCH LINE STA. 76+00



63
3820 N. MCCORD RD.
DAWSON, SHARON L.
ASSESSOR NO. 30-013-025.Z
PARCEL NO. 78-34364
63-WD NET = 0.014 AC.

64
3826 N. MCCORD RD.
PLETCHER, DANTE T.
ASSESSOR NO. 30-013-020.Z
PARCEL NO. 78-34351
64-WD NET = 0.015 AC.

66
3832 N. MCCORD RD.
SENGSTOCK, HELEN JOYCE
ASSESSOR NO. 30-013-028.Z
PARCEL NO. 78-34347
66-WD NET = 0.014 AC.

68
3838 N. MCCORD RD.
SMOTHERS, JEFFREY A. & CHERI L.
ASSESSOR NO. 30-013-009.Z
PARCEL NO. 78-34327
68-WD NET = 0.015 AC.

65
6710 SPARROW HILL RD.
HUTCHENSON, WILLIAM G. & SANDRA L.
ASSESSOR NO. 30-328-040.Z
PARCEL NO. 79-09351
65-SW NET = 0.0003 AC.

67
3845 N. MCCORD RD.
PASZCZYKOWSKI, DENNIS & ANN M.
ASSESSOR NO. 30-016-055.Z
PARCEL NO. 78-31987
67-WD NET = 0.042 AC.
67-T NET = 0.003 AC.

69
3859 N. MCCORD RD.
HOJNACKI, MICHAEL A.
ASSESSOR NO. 30-016-054.Z
PARCEL NO. 78-31977
69-WD NET = 0.037 AC.
69-T NET = 0.003 AC.

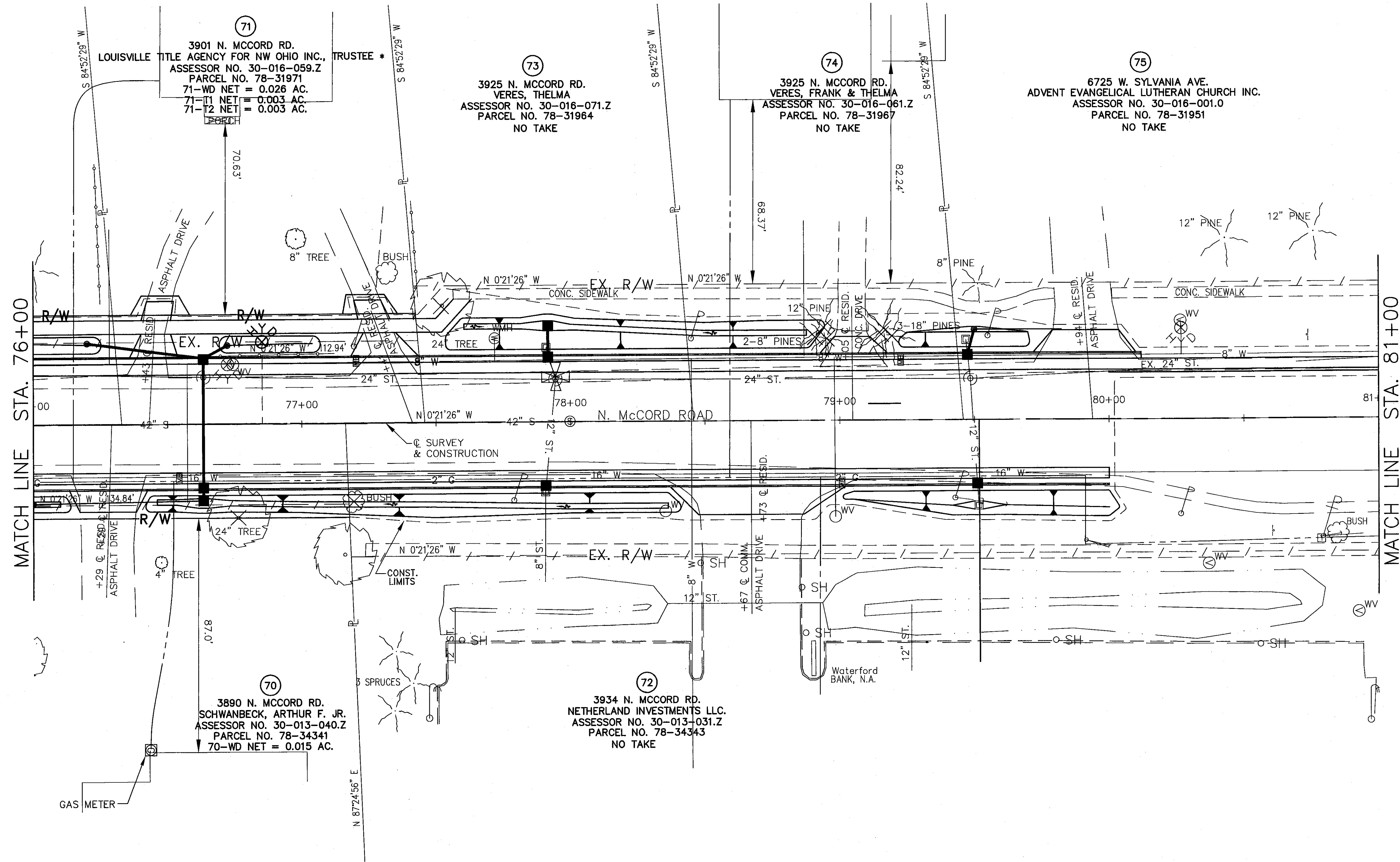
REV'D.	DATE	DESCRIPTION
LCEO	12/08	ADDED 65 SW
LCEO	12/08	REVISED 62 T TO 62 SW
LCEO	11/08	CORRECTED SPARROW HILL ROW
LCEO	11/08	REVISED EAST SIDE PER PUBLIC HRG
RJS	4/10/08	SPARROW HILL R/W, 62-T DIMS
REV'D.	DATE	DESCRIPTION

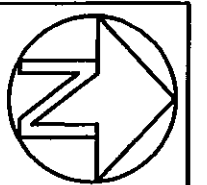
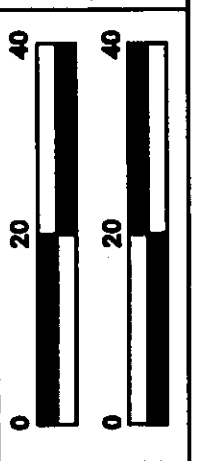

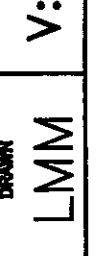
RIGHT OF WAY DETAIL-C.R. 73
STA. 71+00 TO STA. 76+00

LUC. C.R. NO. 73
MCCORD ROAD

15A/17A
103
107

SECTIONS 21 & 22
 TOWNSHIP 9 SOUTH, RANGE 6 EAST
 SYLVANIA TOWNSHIP
 LUCAS COUNTY





 H: 
 V: 
 DRAWN: PWH
 LMM

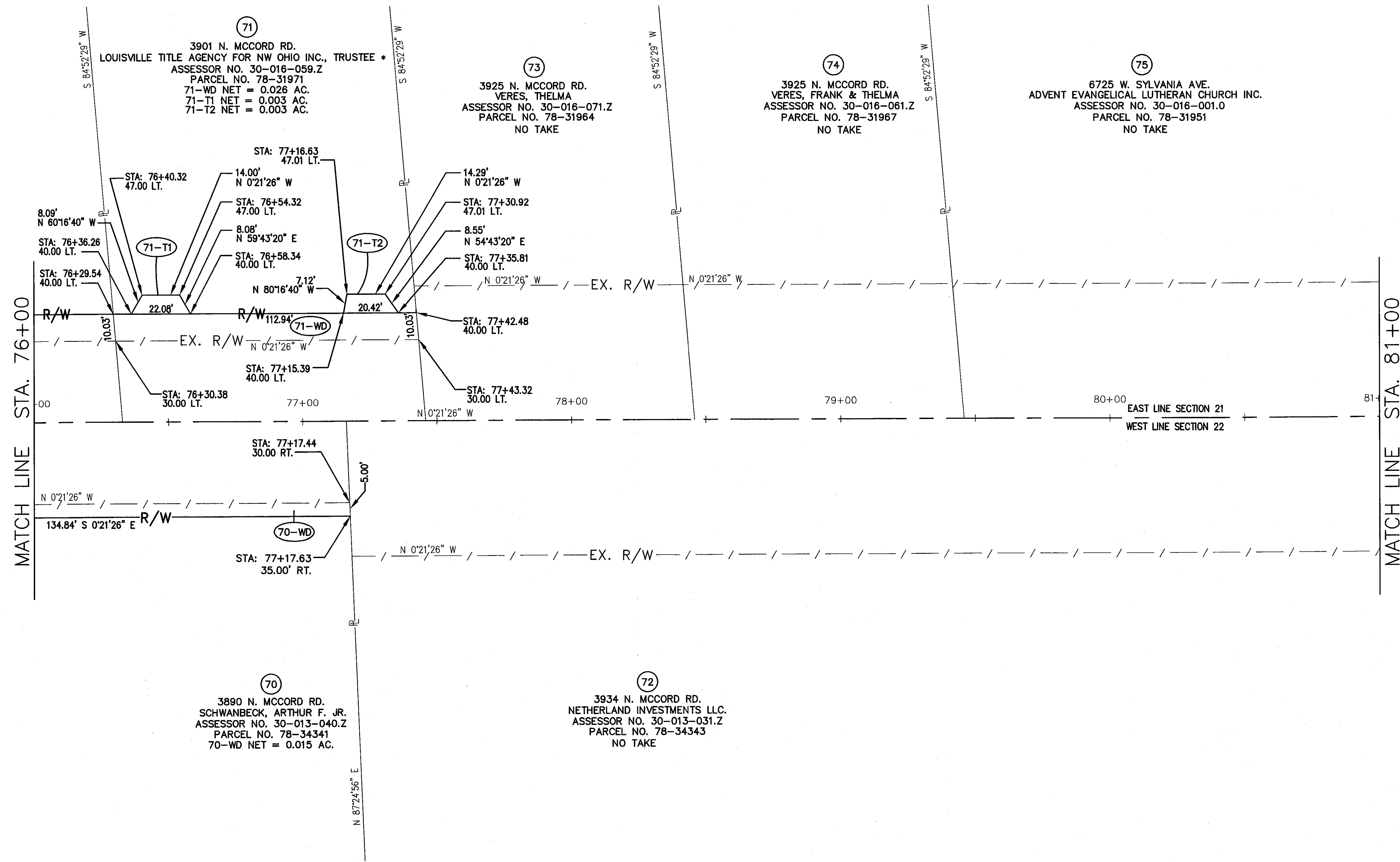
RIGHT OF WAY DETAIL-C.R. 73
 STA. 76+00 TO STA. 81+00

LUC. C.R. NO. 73
 MCCORD ROAD

LCEO	11/08	REVISED EAST SIDE PER PUBLIC HRG.
REV'D.	DATE	DESCRIPTION

16/17A
 104
 107

SECTIONS 21 & 22
 TOWNSHIP 9 SOUTH, RANGE 6 EAST
 SYLVANIA TOWNSHIP
 LUCAS COUNTY



North arrow pointing up and slightly right.

Graphic scale bars for horizontal (H) and vertical (V) dimensions, both showing 0, 20, and 40 units.

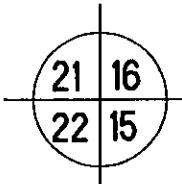
Legend for drawing types: PWH (Professional Work), LMM (Licensed Mechanical/Mechanical).

RIGHT OF WAY DETAIL - C.R. 73
 STA. 76+00 TO STA. 81+00

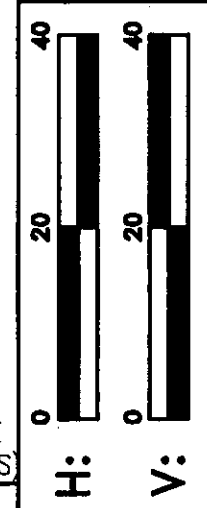
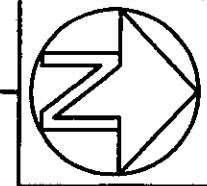
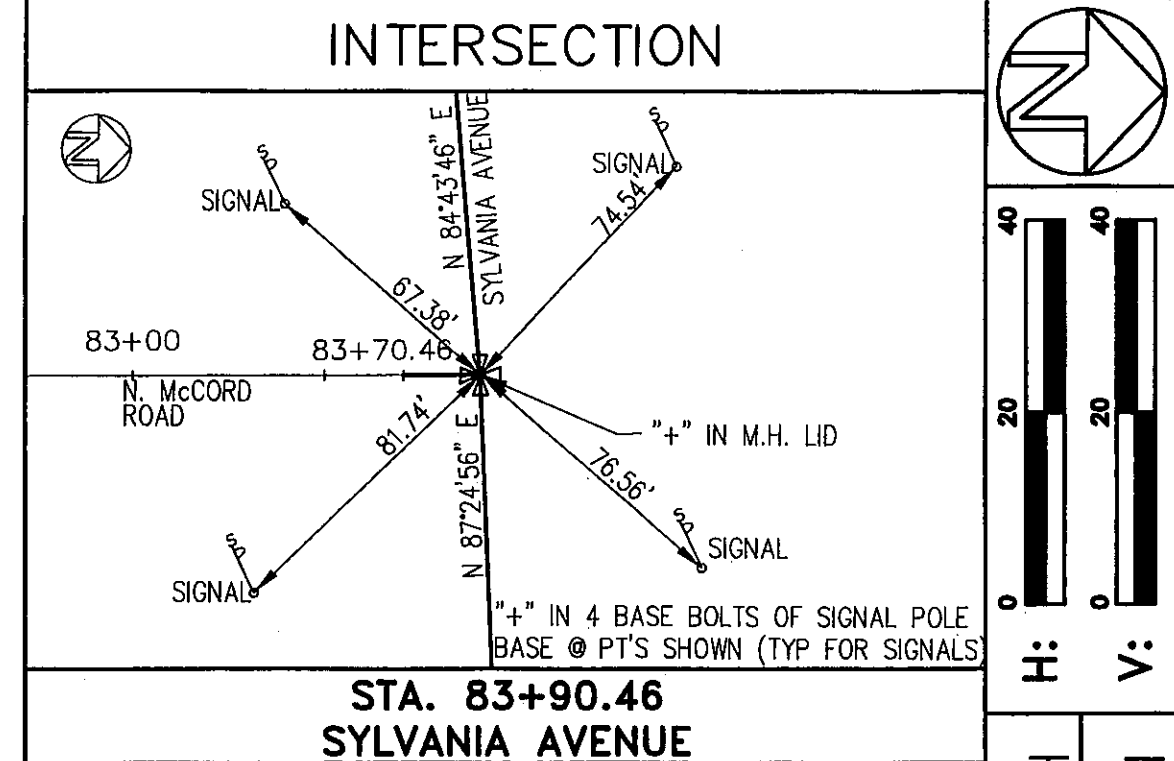
LUC. C.R. NO. 73
 MCCORD ROAD

16A/17A	105	
LCEO	11/08	REVISED EAST SIDE PER PUBLIC HRG.
REV'D.	DATE	DESCRIPTION

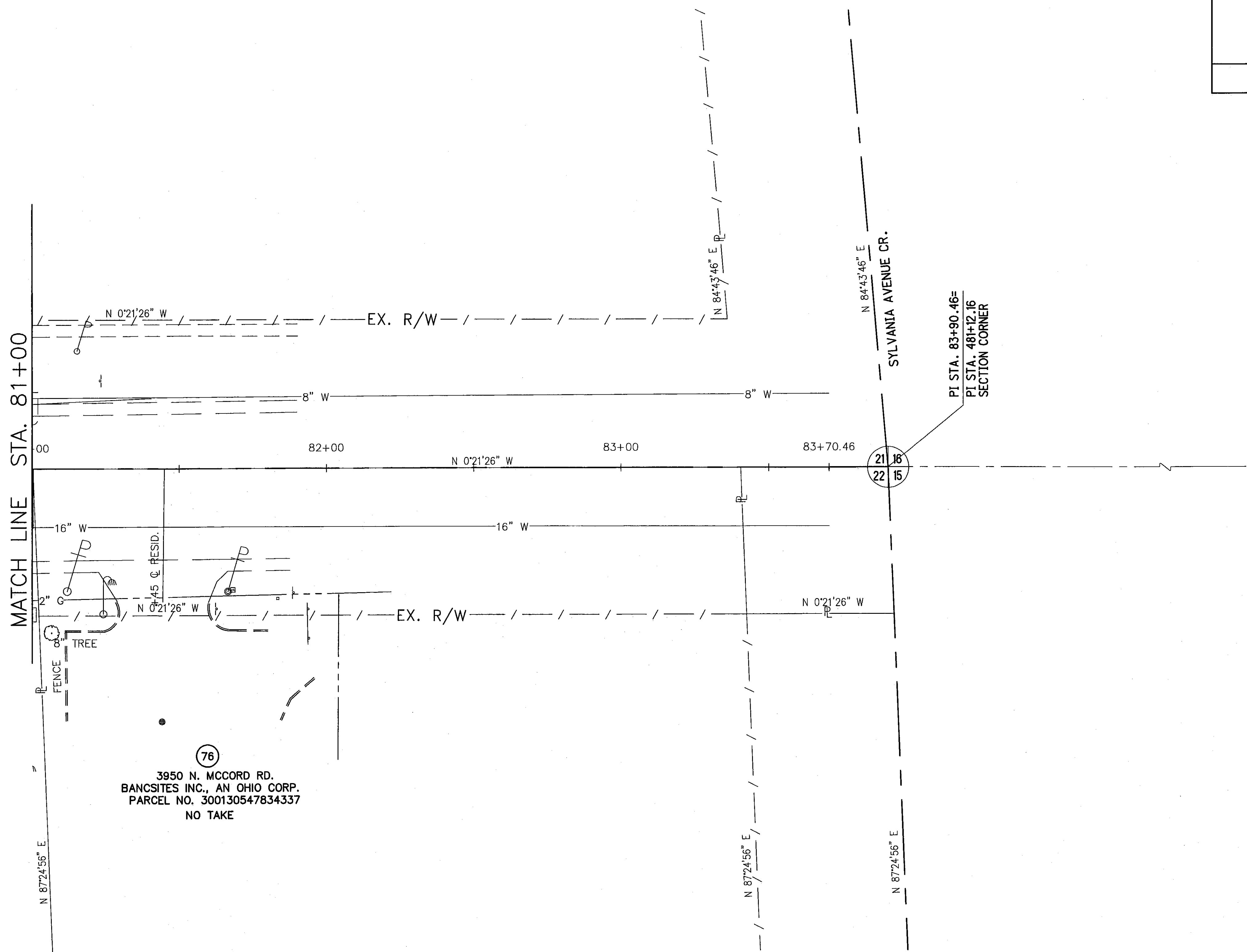
SECTION CORNERS



SECTIONS 21 & 22
TOWNSHIP 9 SOUTH, RANGE 6 EAST
SYLVANIA TOWNSHIP
LUCAS COUNTY



DESIGNED BY
PWH
LMM



MATCH LINE STA. 81+00

3950 N. MCCORD RD.
BANCSITES INC., AN OHIO CORP.
PARCEL NO. 300130547834337
NO TAKE

PT STA. 83+90.46=
PT STA. 481+12.16
SECTION CORNER

RIGHT OF WAY DETAIL—C.R. 73
STA. 81+00 TO END

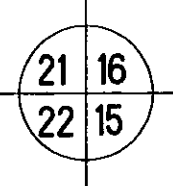
LUC. C.R. NO. 73
MCCORD ROAD

REV'D.	DATE	DESCRIPTION

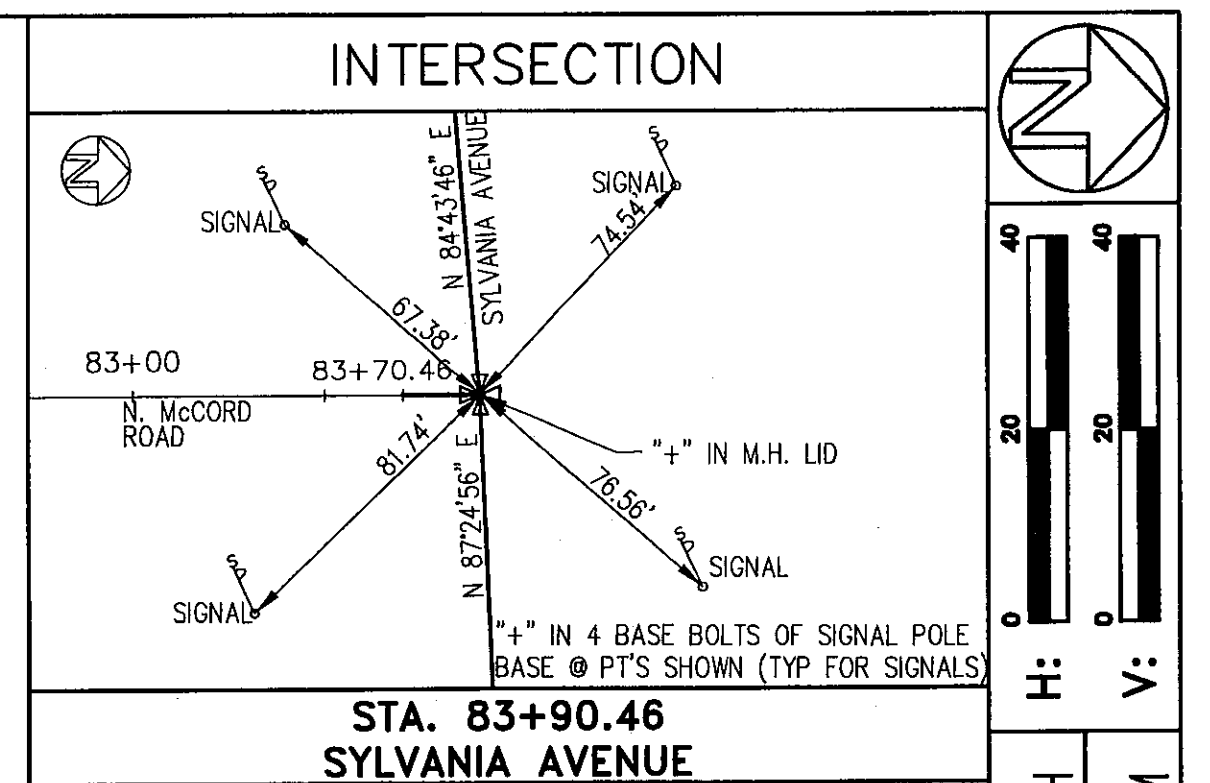
17/17A

106
107

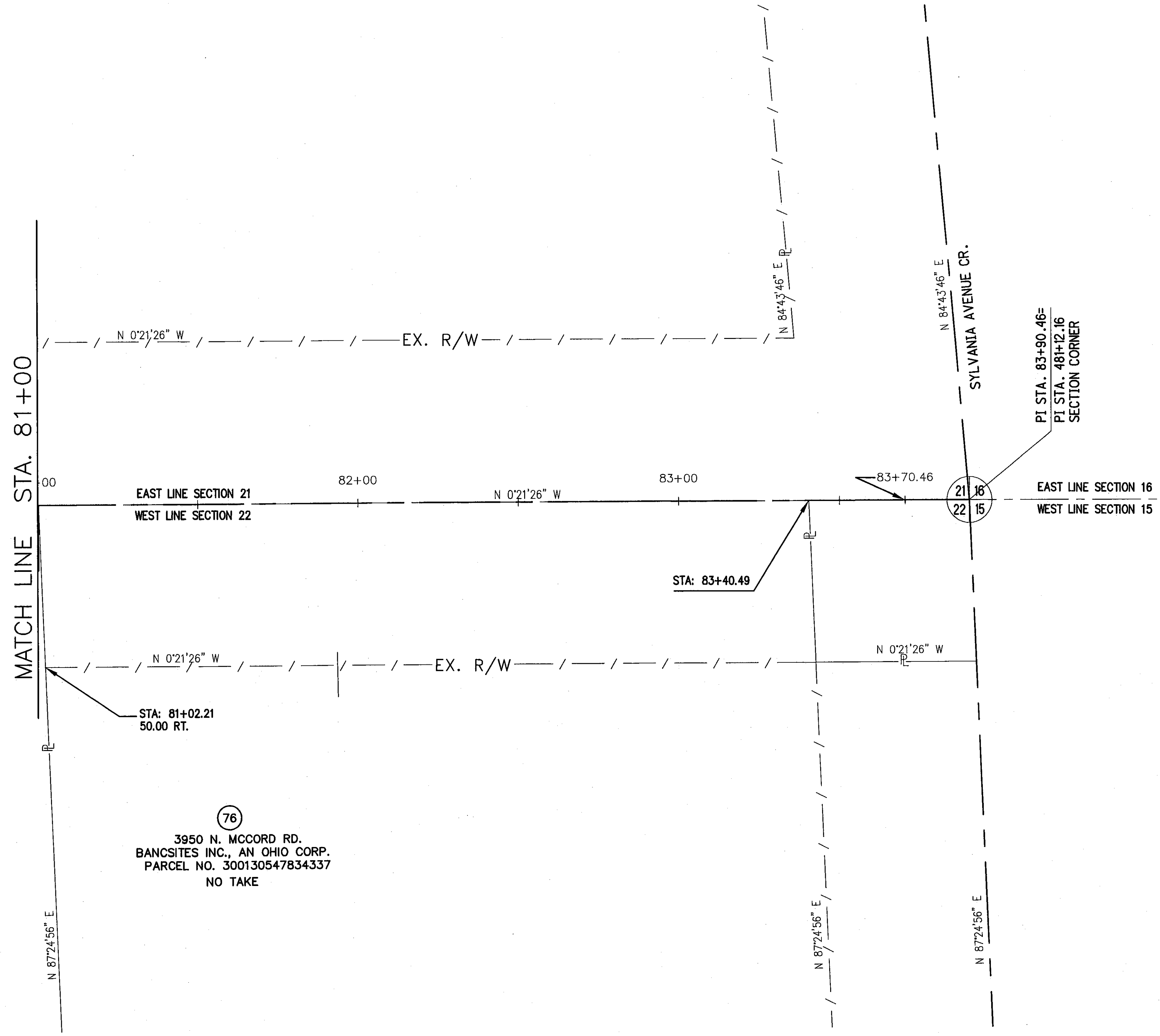
SECTION CORNERS



SECTIONS 21 & 22
TOWNSHIP 9 SOUTH, RANGE 6 EAST
SYLVANIA TOWNSHIP
LUCAS COUNTY



NOTE: LINE UP THE "TIC" MARKS ON THE LID WITH THE "TIC" MARKS ON THE RIM OF THE MANHOLE TO GET THE CORRECT LOCATION OF THE "+".



RIGHT OF WAY DETAIL—C.R. 73
STA. 81+00 TO END

LUC. C.R. NO. 73
MCCORD ROAD

REV'D.	DATE	DESCRIPTION

17A/17A
107
107