

PAVEMENT AND DRAINAGE IMPROVEMENTS  
FOR  
*The Village at Riverbend Plat Seven*  
MIDDLETON TOWNSHIP, WOOD COUNTY, OHIO

**INDEX OF SHEETS**

TITLE SHEET	1
GENERAL NOTES AND SPECIFICATIONS	2
GENERAL NOTES, SPECIFICATIONS, & GENERAL SUMMARY	3
INTERSECTION DETAILS AND STREET SIGNING PLAN	4
TYPICAL SECTIONS	5
BASIN DETAILS	6
EXISTING SITE/TOPO PLAN	7
SITE GRADING PLAN	8
PLAN AND PROFILES	9-11
CROSS SECTIONS	12-16

**BENCH MARK DATA**

**SITE BENCH MARK No. 202**

CENTERLINE MONUMENT AT THE INTERSECTION OF JOHN F. McCARTHY WAY AND WATERVILLE DRIVE.

ELEVATION . . . . . 645.39

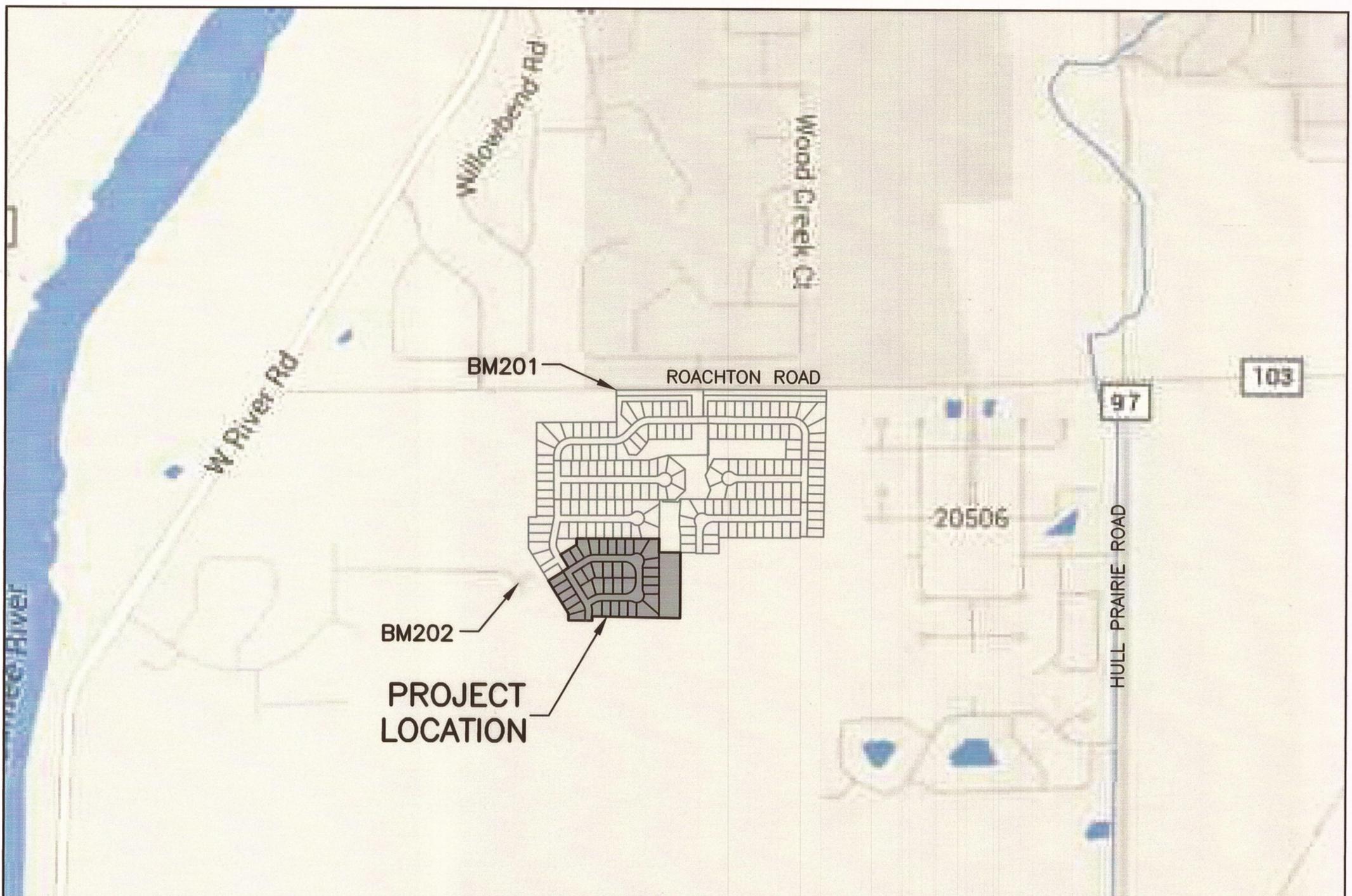
**SITE BENCH MARK No. 201**

"X" CUT ON WEST END OF HEADWALL, 7.2' SOUTH OF THE CENTERLINE OF ROACHTON ROAD AND 662.2' WEST OF THE CENTERLINE OF HIGH MEADOWS LANE.

ELEVATION . . . . . 639.54

**CONVENTIONAL SIGNS**

	PROPOSED	EXISTING
SANITARY SEWER . . . . .	—S—	—S—
STORM SEWER . . . . .	— — —	—ST—
WATERLINE . . . . .	—W—	—W—
SANITARY MANHOLE . . . . .	●	◎
STORM MANHOLE . . . . .	●	◎
CATCH BASIN . . . . .	■	□
YARD BASIN . . . . .	●	◎
WATER VALVE IN MANHOLE . . . . .	●	◎
HYDRANT . . . . .	●	◎
CENTERLINE . . . . .	— — —	— — —
TYPE B MONUMENT . . . . .	◎	



**LOCATION MAP**

SCALE: 1" ~ 1,000'



**INSPECTION SCHEDULING**

FOR INSPECTION CALL 419-354-9060  
BETWEEN 7:30 A.M. AND 4:00 P.M.  
48 HOURS IN ADVANCE. IT IS THE  
RESPONSIBILITY OF THE CONTRACTOR.

**STANDARD DRAWINGS**

**ODOT**

CB-1.1	CATCH BASIN NO.'S. 2-2A AND B.	1/17/14
CB-2.1	CATCH BASIN NO. 3	1/15/21
CB-2.2	CATCH BASIN NO. 3A	1/17/14
MH-1.2	MANHOLE NO. 3	1/18/13
RM-1.1	ROADWAY MONUMENTS	7/18/14
BP-5.1	CONCRETE CURB, TYPE 6	7/19/13
CB-1.2	CATCH BASINS NO.'S 2-3 & 2-4	1/15/16

**SUPPLEMENTAL SPECIFICATIONS (ODOT)**

SS 800	REVISIONS TO 2013 ODOT CMS	1/21/15
SS 811	CONDUIT AND DRAINAGE STRUCTURES	1/18/13

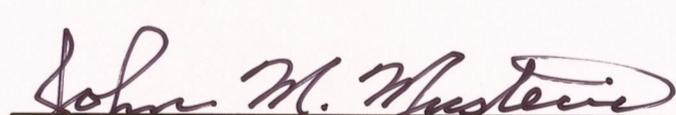
**WOOD COUNTY:** (<http://engineer.co.wood.oh.us/index.php/standard-drawings>)

TRENCH DETAILS	8/05/14
TYPE A AND B MONUMENT ASSEMBLIES	8/05/14
STANDARD BARRICADE AND TURN AROUNDS	8/05/14

**SCALES**

PLAN	1" = 50'
PROFILE, HORIZONTAL	1" = 50'
PROFILE, VERTICAL	1" = 5'
CROSS-SECTION, HORIZONTAL	1" = 20'
CROSS-SECTION, VERTICAL	1" = 5'

**APPROVED BY**

  
JOHN M. MUSTERIC, P.E., P.S.  
WOOD COUNTY ENGINEER

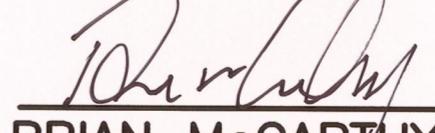
09 DEC 2021

DATE

THE ABOVE SIGNATURE CONSTITUTES ACKNOWLEDGEMENT THOSE ITEMS OUTLINED IN THE CURRENT EDITION OF THE "WOOD COUNTY SUBDIVISION AND SITE IMPROVEMENT MANUAL" OR AS AMENDED BY THE WOOD COUNTY ENGINEER, HAVE BEEN UTILIZED. TECHNICAL CORRECTNESS AND INTERPRETATION OF THOSE ITEMS CONTAINED WITHIN THE MANUAL REMAIN THE RESPONSIBILITY OF THE ENGINEER PREPARING THE PLANS. THE ABOVE SIGNATURE IS VALID FOR 18 MONTHS FROM THE DATE OF SIGNING.

**DEVELOPED BY:**

McCARTHY RIVERBEND,LLC  
3618 KING ROAD, SUITE C  
TOLEDO, OHIO 43617  
419-476-1474

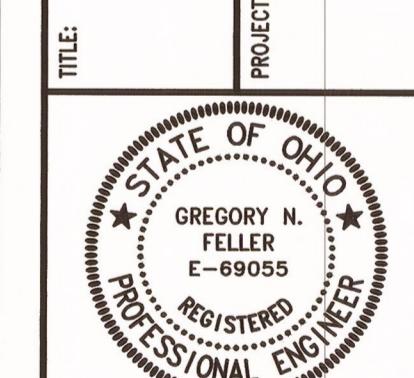
  
BRIAN McCARTHY  
PRESIDENT

11/19/21

DATE

Feller Finch & ASSOCIATES, INC.  
Engineers • Surveyors  
1683 Woodlands Drive, Maumee, Ohio 43537  
Phone: (419) 893-3680  
Fax: (419) 893-2982  
[www.fellerfinch.com](http://www.fellerfinch.com)

TITLE SHEET  
THE VILLAGE AT RIVERBEND  
PLAT SEVEN



CO. OF FELDER  
SIGNED 11/19/21  
DATE  
DESIGNED BY CMG  
DRAWN BY DEM  
CHECKED BY GNF  
REVIEWED BY GNF  
DATE: 5-21-21  
PROJECT: 10E07849  
1  
16

## GENERAL NOTES

### 1.GENERAL SPECIFICATIONS

ALL MATERIAL AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE WOOD COUNTY ENGINEERS OFFICE, THE WOOD COUNTY CONSTRUCTION STANDARDS AND THE OHIO DEPARTMENT OF TRANSPORTATION STANDARDS AND SPECIFICATIONS DATED JANUARY 1, 2019

### 2.REGULATIONS

ALL WORK MUST COMPLY WITH APPLICABLE FEDERAL, STATE AND LOCAL REGULATIONS IN ALL RESPECTS, INCLUDING COMPLIANCE WITH THE OCCUPATIONAL HEALTH AND SAFETY ACT.

### 3.LICENSES AND PERMITS

ALL LICENSES AND PERMITS REQUIRED BY LOCAL, STATE OR FEDERAL AGENCIES SHALL BE OBTAINED BY THE CONTRACTOR.

### 4.BEGINNING CONSTRUCTION

THE WOOD COUNTY ENGINEER SHALL BE NOTIFIED SEVEN (7) DAYS PRIOR TO THE BEGINNING OF ACTUAL CONSTRUCTION.

### 5.STAKING RESPONSIBILITY

THE CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR PRESERVATION OF INITIAL STAKEOUT WORK ORDERED AND OWNER IS NOT RESPONSIBLE FOR DISTURBED STAKING AND RESTAKING OF INITIAL STAKEOUT WORK ORDERED. OWNER WILL BE GIVEN A SEVEN (7) DAY NOTICE FOR ALL STAKEOUT WORK ORDERED PER ODOT ITEM 623.

### 6.EXISTING BENCH MARKS, MONUMENTS AND CONTROL POINTS

EXISTING SURVEY MONUMENTS, BENCH MARKS, PROPERTY CORNER POINTS AND CONTROL POINTS DAMAGED OR DISTURBED BY CONSTRUCTION WILL BE REPLACED BY A REGISTERED LAND SURVEYOR AT THE EXPENSE OF THE CONTRACTOR. SHOULD THE CONTRACTOR FAIL TO PROPERLY REPLACE THESE POINTS, THE WOOD COUNTY ENGINEER SHALL REPLACE THESE POINTS AT THE CONTRACTOR'S EXPENSE, AFTER THREE (3) WEEKS NOTICE. THE CONTRACTOR IS TO NOTIFY THE WOOD COUNTY ENGINEER OF ANY ANTICIPATED CONFLICTS.

### 7.EXISTING STORM DRAINAGE

THE CONTRACTOR SHALL CONDUCT HIS OPERATIONS SO AS TO MAINTAIN EXISTING SEWER FLOWS AT ALL TIMES AND SHALL PROMPTLY REPLACE IN KIND ANY STORM SEWER DISTURBED BY CONSTRUCTION TO THE SATISFACTION OF THE WOOD COUNTY ENGINEER. THE COST OF MAKING INSPECTIONS AND ANY REPAIRING OR CORRECTION OF SEWERS AS A RESULT OF CONSTRUCTION OPERATIONS SHALL BE INCLUDED IN THE UNIT PRICE FOR THE PERTINENT BID ITEM. WHERE CONSTRUCTION CROSSES AN EXISTING DITCH OR FOLLOWS THE COURSE OF SUCH DITCH, THE CONTRACTOR MAY DIVERT THE FLOW OF DRAINAGE WATER TEMPORARILY AT HIS OWN COST AND EXPENSE WITH THE APPROVAL OF THE WOOD COUNTY ENGINEER. DITCH FLOW SHALL BE MAINTAINED AT ALL TIMES.

### 8.INSPECTION

ALL WORK PERFORMED ON THIS PROJECT IS SUBJECT TO THE INSPECTION AND APPROVAL OF THE WOOD COUNTY ENGINEER. COST OF INSPECTION BY THE WOOD COUNTY ENGINEER SHALL BE PAID FOR BY THE DEVELOPER.

### 9.AS-BUILT DRAWINGS

THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING A COMPLETE SET OF CONSTRUCTION DRAWINGS CLEARLY MARKED TO SHOW ALL DEVIATIONS FROM THE APPROVED PLANS. AT COMPLETION OF CONSTRUCTION, THE CONTRACTOR WILL PROVIDE THE COUNTY ENGINEER WITH A SET OF MYLAR AS-BUILT DRAWINGS.

### 10.SUBDIVISION IMPROVEMENT MAINTENANCE BOND

PRIOR TO THE DATE OF FINAL ACCEPTANCE OF THE STORM DRAINAGE, ROADWAY AND PAVEMENT IMPROVEMENTS BY WOOD COUNTY AND THE PLACEMENT OF SAID IMPROVEMENTS ON THE PUBLIC ROAD SYSTEM, THE CONTRACTOR SHALL FURNISH A SUBDIVISION IMPROVEMENT MAINTENANCE BOND TO WOOD COUNTY. THE BOND SHALL BE FOR A TWO (2) YEAR PERIOD IN THE AMOUNT OF TWENTY-FIVE (25) PERCENT OF THE COST OF IMPROVEMENT. THE COST OF THE MAINTENANCE BOND SHALL BE INCLUDED IN THE CONTRACTOR'S BID UNDER ITEM SPECIAL, SUBDIVISION IMPROVEMENT MAINTENANCE BOND.

### 11.MAINTAINING PUBLIC SAFETY

THE CONTRACTOR SHALL BE RESPONSIBLE FOR FURNISHING AND MAINTAINING ALL LIGHTS, SIGNS AND BARRICADES NECESSARY TO MAINTAIN PUBLIC SAFETY PER ODOT ITEM 614.

### 12.MAINTENANCE OF TRAFFIC

TWO-WAY TRAFFIC SHALL BE MAINTAINED AT ALL TIMES ON DEDICATED ROADS. IF CONSTRUCTION ALONG DEDICATED ROADS INTERFERES WITH TRAFFIC, IN THE OPINION OF THE WOOD COUNTY ENGINEER, THEN TWO (2) FLAGMEN SHALL BE PROVIDED BY THE CONTRACTOR DURING ONE LANE OPERATIONS AT THE INTERSECTION, A THIRD FLAGGER WILL BE NEEDED TO DIRECT INGRESS/EGRESS TRAFFIC FOR HIGH MEADOW LANE AND VILLAGE DRIVE. ALL BARRICADES, SIGNS, FLAGMEN AND OTHER TRAFFIC CONTROL MEASURES SHALL MEET THE REQUIREMENTS OF THE OHIO DEPARTMENT OF TRANSPORTATION SPECIFICATIONS, ITEM 614, MAINTAINING TRAFFIC AND THE "OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS".

### 13.ROAD NAME SIGNS AND STOP SIGNS

ROAD NAME SIGNS AND STOP SIGNS WILL BE PLACED BY THE WOOD COUNTY ENGINEER. THE COST SHALL BE PAID BY THE DEVELOPER.

### 14.UNDERGROUND UTILITIES AND UTILITY ADJUSTMENTS

THE LOCATION OF EXISTING UTILITIES SHOWN ON THESE PLANS IS APPROXIMATE.

THE EXACT LOCATION SHALL BE VERIFIED BY THE CONTRACTOR. THE CONTRACTOR SHALL NOTIFY EACH RESPECTIVE UTILITY COMPANY AND THE OHIO UTILITY PROTECTION SERVICE (800-362-2764), AT LEAST SEVEN (7) DAYS PRIOR TO THE TIME OF CONSTRUCTION. ANY AND ALL ADJUSTMENTS OR EXTENSIONS REQUIRED FOR PUBLIC OR PRIVATE UTILITIES WILL BE DONE BY AND AT THE EXPENSE OF THEIR RESPECTIVE OWNERS, UNLESS OTHERWISE NOTED ON THE PLANS.

### 15.UTILITY OWNERSHIP

THE FOLLOWING IS A LIST OF THE OWNERS OF UTILITIES KNOWN TO BE WITHIN THE LIMITS OF CONSTRUCTION:

SBC  
130 NORTH ERIE  
ROOM 714  
TOLEDO, OH 43604  
419-245-5420

CABLEVISION OF OHIO  
116 NORTH MAIN STREET  
PO BOX 105  
GIBSONBURG, OH 43401-0105  
419-637-2199

COLUMBIA GAS OF OHIO  
333 SOUTH ERIE STREET  
TOLEDO, OH 43602  
419-252-8110

NORTHWESTERN WATER & SEWER DISTRICT  
12560 MIDDLETON PIKE  
BOWLING GREEN, OH 43402  
419-354-9090

WATERVILLE GAS COMPANY  
PO BOX 259  
WATERVILLE, OHIO 43566

DOME PETROLEUM  
PO BOX 138  
GOSHEN, IN 46527

SPRINT  
375 EAST RIVERVIEW AVE.  
NAPOLEON, OH 43545  
419-599-4022

TIME WARNER CABLE  
118 NORTH MAIN STREET  
BOWLING GREEN, OH 43402  
419-352-8424

TOLEDO EDISON  
900 LEMOYNE ROAD  
NORTHWOOD, OH 43619  
419-249-5967

WOOD COUNTY ENGINEER  
ONE COURTHOUSE SQUARE  
BOWLING GREEN, OH 43402  
419-354-9060

MILTONVILLE COMMUNITY WATERLINE  
CARL HUDAECIK, PRESIDENT  
23757 WEST RIVER ROAD  
PERRYSBURG, OH 43551

OHIO UTILITIES PROTECTION SERVICE (OUPS)  
1-800-362-2764

### 16.EXISTING DRAINAGE TILE

ALL EXISTING DRAINAGE TILE ENCOUNTERED DURING CONSTRUCTION SHALL BE CONNECTED TO AN APPROPRIATE DRAINAGE OUTLET APPROVED BY THE COUNTY ENGINEER. COST SHALL BE INCLUDED IN THE UNIT PRICE FOR THE PERTINENT CONDUIT ITEM.

### 17.SHALLOW PIPE UNDERDRAINS

ALL PIPE UNDERDRAINS SHALL BE CONNECTED TO AN APPROPRIATE DRAINAGE OUTLET OR AS DIRECTED BY THE COUNTY ENGINEER.

### 18.EMBANKMENT CONSTRUCTION

WHERE NECESSARY TO CONSTRUCT PAVEMENT SUBGRADE IN FILL, THE CONTRACTOR SHALL REMOVE ALL TOPSOIL BENEATH THE PROPOSED PAVEMENT AND INCLUDE THE COST OF REMOVAL IN THE LUMP SUM FOR ITEM 201, CLEARING AND GRUBBING.

### 19.PAVEMENT CONSTRUCTION

NO PAVEMENT SHALL BE PLACED UNTIL ALL WATER SERVICES, VALVE BOXES AND ELECTRICAL CONDUIT HAVE BEEN INSTALLED.

### 20.TRENCH MAINTENANCE

AT ALL TIMES DURING THE PROGRESS OF THE WORK, AND UNTIL THE RELEASE FROM HIS GUARANTEE BY THE COUNTY, THE CONTRACTOR SHALL MAINTAIN ALL BACKFILLED TRENCHES. ANY SETTLEMENT THAT OCCURS DURING SUCH TIME SHALL BE FILLED IMMEDIATELY.

### 21.RIGHT-OF-WAY RESTORATION

ALL EXISTING FEATURES IN EXISTING COUNTY OR TOWNSHIP RIGHTS-OF-WAY THAT ARE DISTURBED DUE TO CONSTRUCTION, SUCH AS: MAILBOXES, TREES, SHRUBS, BUSHES, GUARDRAILS, DRIVEWAYS, ROADWAY PAVEMENT, SWALES, SEWERS, CATCH BASINS, BERMS, SEADED AREAS, ETC. SHALL BE REPLACED TO THEIR ORIGINAL CONDITIONS IN ACCORDANCE WITH CURRENT ODOT SPECIFICATION ITEM 107.10

AND TO THE SATISFACTION OF THE WOOD COUNTY ENGINEER. PAYMENT FOR THIS WORK SHALL BE INCLUDED IN THE UNIT PRICE FOR THE PERTINENT ITEM.

### 22.SEEDING AND MULCHING

SEEDING AND MULCHING SHALL BE AS PER ODOT ITEM 659, USING THE FOLLOWING SEED MIXTURE: 50% CREEPING RED FESCUE, 25% DOMESTIC RYEGRASS, AND 25% KENTUCKY BLUEGRASS. ALL REAR LOT SWALES AND/OR DRAINAGE SWALES SHALL BE RESTORED AFTER ALL UTILITIES HAVE BEEN CONSTRUCTED. THESE AREAS SHALL BE SEADED AND MULCHED AS PER ABOVE SEEDING MIXTURE. SEEDING AND MULCHING SHALL NOT BE PLACED WITHOUT APPROVAL OF THE WOOD COUNTY ENGINEER.

### 23.ESTIMATED QUANTITIES

THE ESTIMATED PLAN QUANTITIES ARE FOR THE PURPOSE OF COMPETITIVE BIDDING AND NOT NECESSARILY THE FINAL PAY QUANTITIES. FINAL FIELD MEASUREMENTS AND CALCULATIONS SHALL DETERMINE THE FINAL PAY QUANTITIES. DURING THE BIDDING PERIOD THE CONTRACTOR SHALL COMMUNICATE TO THE PROJECT ENGINEER ANY DIFFERENCES IN HIS BID QUANTITIES AND THOSE LISTED ON THE PLANS.

### 24.HAUL ROUTES

THE CONTRACTOR SHALL MAINTAIN ALL HAUL ROUTES IN A CONDITION ACCEPTABLE TO THE COUNTY ENGINEER, FOR THE DURATION OF THE PROJECT. THIS MAINTENANCE INCLUDES THE REMOVAL OF MUD, STONE AND OTHER FOREIGN MATERIALS.

### 25.ROOF DRAINS

ROOF DRAINS, FOUNDATION DRAINS AND ALL OTHER CLEAN WATER CONNECTIONS TO THE SANITARY SEWER ARE PROHIBITED.

### GRADING & PAVING NOTES

#### 1.GENERAL SPECIFICATIONS

THE CONTRACTOR SHALL INCLUDE ALL LABOR, MATERIALS AND EQUIPMENT NECESSARY TO COMPLETE ALL GRUBBING, CLEARING, EXCAVATING, STOCKPILING, EMBANKMENT, GRADING, COMPACTION AND PAVING IN ACCORDANCE WITH THE PLANS AND THE INTENT OF THE CONTRACT DOCUMENTS. IN GENERAL, ODOT CONSTRUCTION AND MATERIAL SPECIFICATIONS SHALL BE ADHERED TO.

#### 2.RESTORATION

THE CONTRACTOR SHALL RESTORE ALL DISTURBED OFF-SITE AREAS TO A CONDITION EQUAL OR BETTER THAN THAT EXISTING PRIOR TO BEGINNING CONSTRUCTION.

#### 3.EROSION PROTECTION

THE CONTRACTOR SHALL PROVIDE ALL ACCEPTABLE AND COMMON PRACTICES TO MINIMIZE WIND AND WATER EROSION OF THE SOILS AT THE PROJECT, THE CONTRACTOR SHALL MONITOR AND EMPLOY BOTH TEMPORARY AND PERMANENT METHODS TO THE SATISFACTION OF THE OWNER, THE WOOD COUNTY ENGINEER, ODOT DISTRICT 2 AND ODEPA.

#### 4.CLEARING AND GRUBBING

IF DEEMED NECESSARY, THE CONTRACTOR SHALL CLEAR AND STRIP THE PROJECT ROADWAYS OF ALL VEGETATION, ROOTS, TOPSOIL, REFUSE AND OTHER DELETERIOUS NON-SOIL MATERIALS TO BE DISPOSED OF AT AN APPROVED DUMP SITE. MATERIAL CONSIDERED ACCEPTABLE TOPSOIL SHALL BE STOCKPILED IN AN AREA ON SITE DESIGNATED BY THE OWNER, WHICH COST SHALL BE INCLUDED IN THE COST OF CLEARING AND GRUBBING.

#### 5.EXCAVATION AND EMBANKMENT

AFTER CLEARING AND STRIPPING THE CONTRACTOR SHALL EXCAVATE THOSE AREAS REQUIRING FURTHER EXCAVATION AND EMBANK THOSE AREAS OF THE RIGHT OF WAY AND LOTS. PRIOR TO PLACING OF THE FILL, AREAS TO SUPPORT NEW FILL PAVEMENTS OR FUTURE BUILDINGS SHALL BE CAREFULLY EVALUATED BY A GEOTECHNICAL ENGINEER. THE GEOTECHNICAL ENGINEER SHALL REQUIRE PROOF ROLLING OF THE SOIL WITH A 20 TO 30 TON LOADED TRUCK TO LOCATE SOFT, WEAK, WET SOILS PRESENT AT THE TIME OF CONSTRUCTION. ANY UNSUITABLE MATERIALS SHALL BE REPLACED WITH ACCEPTABLE MATERIAL PROPERLY COMPACTED.

STRUCTURAL FILL SHOULD BE PLACED IN LIFTS OF 6 TO 8 - INCHES LOOSE MEASURE. ALL FILL MATERIAL SHOULD BE PLACED IN HORIZONTAL LIFTS ADEQUATELY KEYED INTO SUBGRADE SOILS. ALL FILL SHALL BE COMPACTED TO A MINIMUM OF 98% STANDARD PROCTOR (ASTM D698) UNLESS OTHER DIRECTIVES FROM A RETAINED GEOTECHNICAL ENGINEER ARE GIVEN. ALL FILL SHALL BE TESTED WITH AT LEAST ONE (1) FIELD DENSITY TEST PER EVERY 2500 SQUARE FEET OF FILL AREA PER EACH LIFT OF COMPACTED FILL WITHIN THE RIGHT OF WAY.

ALL AREAS SHALL BE GRADED TO WITHIN ONE-INCH (1") OF DESIGN PAVEMENT SUBGRADES.

ALL FILL MATERIAL SHALL BE ACCEPTABLE TO A RETAINED GEOTECHNICAL ENGINEER. NO SLAG MATERIAL SHALL BE PERMITTED. ALL MATERIALS AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH ODOT ITEM 203.

#### 6.TESTING

##### A.SUBGRADE COMPACTION TEST

COMPACTION OF EMBANKMENT AND PAVEMENT SUBGRADE AREAS SHALL BE AT 98% AS DETERMINED BY THE STANDARD PROCTOR TEST. COMPACTION TESTS SHALL BE TAKEN EVERY FOUR HUNDRED (400) LINEAL FEET MAXIMUM PER THE WOOD COUNTY ENGINEER.

### B.BASE COMPACTION

COMPACTION OF SUBBASE AND BASE MATERIALS SHALL BE AS PER ODOT SPECIFICATIONS, COMPACTION OF SUBBASE AND BASE MATERIALS SHALL BE AT 98% AS DETERMINED BY THE STANDARD PROCTOR TEST (ASTM D698). COMPACTION TESTS SHALL BE TAKEN EVERY FOUR HUNDRED (400) LINEAL FEET MAXIMUM PER THE WOOD COUNTY ENGINEER.

### C.CONCRETE TEST

THREE (3) CONCRETE CYLINDERS SHALL BE TESTED FROM EACH DAY'S POUR PER THE WOOD COUNTY ENGINEER. CONCRETE SHALL MEET A MINIMUM OF 4000 PSI AT 28 DAYS.

### D.ASPHALT CONCRETE CERTIFICATION

PROVIDE JOB-MIX FORMULA CERTIFICATION TO THE WOOD COUNTY ENGINEER FOR EACH PAVEMENT TYPE, CONFORMING TO THE REQUIREMENTS OF ODOT ITEM 441.

### 7.COST

MATERIAL SAMPLING AND TESTING SHALL BE BY A TESTING FIRM APPROVED BY THE WOOD COUNTY ENGINEER. WOOD COUNTY ENGINEER SHALL RECEIVE AN ORIGINAL COPY OF ALL TEST REPORTS DIRECTLY FROM THE TESTING FIRM. THE COST OF MATERIAL SAMPLING AND TESTING SHALL BE PAID BY THE DEVELOPER.

### 8.SEEDING / TOPSOIL

ALL AREAS OF THE RIGHT OF WAY NOT OTHERWISE OCCUPIED SHALL BE COVERED WITH A MINIMUM OF FOUR INCHES (4") OF TOPSOIL, SEADED, AND MULCHED IN ACCORDANCE WITH PREVIOUS SECTIONS OF THIS SPECIFICATION.

### 9.OVERLOT GRADING

THE CONTRACTOR SHALL PROVIDE THE MINIMUM OVERLOT GRADING AND DRAINAGE WORK NECESSARY TO PREVENT STANDING WATER IN THE LOTS DURING THE INTERIM PERIOD BETWEEN DEVELOPMENT OF THE PROPOSED RIGHT OF WAYS AND FINAL LOT DEVELOPMENT. THIS WORK INCLUDES SURFACE GRADING OF THE LOTS, CUTTING SWALES ACROSS THE LOTS AND THE POSSIBLE USE OF STORM SEWER LATERALS AS TEMPORARY DRAINAGE OUTLETS FOR THE LOTS IF NECESSARY. ALL SURFACE WATER RUNOFF SHALL BE DIRECTED TO A STORM SEWER OR EXISTING DRAINAGE DITCH.

### 10.BACK LOT DRAINAGE

ALL BACK LOT DRAINAGE SWALES SHALL BE CONSTRUCTED IN CONJUNCTION WITH PAVEMENT SUBGRADE PREPARATION. NO PUBLIC UTILITIES SHALL BE PLACED WITHIN THE DRAINAGE AND UTILITY EASEMENT UNTIL THE REAR LOT GRADING HAS BEEN APPROVED BY THE WOOD COUNTY ENGINEER.

### 11.ITEM SPECIAL - SUBGRADE IMPROVEMENT

AREAS DESIGNATED BY THE GEOTECHNICAL ENGINEER IN CONJUNCTION WITH THE WOOD COUNTY ENGINEER FOR SUBGRADE IMPROVEMENT SHALL BE UNDERCUT AND BACKFILLED WITH STONE MATERIALS PRIOR TO PLACEMENT OF THE AGGREGATE BASE COURSE. A MINIMUM UNDERCUT OF 6" SHALL BE PROVIDED. ACCEPTABLE STONE MATERIALS ARE NO. 1 AND NO. 2 SIZE AGGREGATE AND ITEM 304, AGGREGATE BASE. COMPACTION SHALL BE EQUAL TO OR EXCEEDING 98% OF MAXIMUM STANDARD PROCTOR DRY UNIT WEIGHT (ASTM D698).

PAYMENT WILL BE BASED UPON THE QUANTITY OF EXCAVATION ONLY AND SHALL INCLUDE BACKFILLING WITH APPROVED MATERIALS. A CONTINGENCY QUANTITY HAS BEEN CARRIED TO THE GENERAL SUMMARY.

### STORM SEWER GENERAL NOTES

#### 1.PIPE

ALL SEWER PIPE SHALL BE A MINIMUM OF 12" DIAMETER PIPE EXCEPT FOR METER LINES AND UNDERDRAINS. ALL PIPE 12" DIAMETER AND SMALLER SHALL BE EITHER PVC MEETING THE L

FELLER, FINCH & ASSOCIATES, INC.
REVISION
DATE
DESIGN BY: CMG
DRAWN BY: DEM
DATE: 5-21-21
CHK'D BY: GNF
DRAWING: 10-07849DP07A1

#### STORM SEWER GENERAL NOTES CONTINUED

##### 4.BEDDING

ALL BEDDING SHALL BE CLASS "B" BEDDING AND MEET THE REQUIREMENTS OF ODOT ITEM 611.06 BEDDING. WHERE PVC PIPE IS USED, THE BEDDING SHALL BE EXTENDED TO 12" ABOVE THE TOP OF THE PIPE.

##### 5.BACKFILL

TYPE A AND TYPE B PIPE WITHIN FIVE (5) FEET OF THE EDGE OR BACK OF CURB OF EXISTING OR PROPOSED PAVEMENT AND UNDER THE EXISTING OR PROPOSED PAVEMENT SHALL BE BACKILLED WITH APPROVED GRANULAR MATERIAL TO THE SUBGRADE. GRANULAR MATERIAL SHALL MEET THE GRADING REQUIREMENTS OF ITEM 411 OR 304 STONE, ODOT SPECIFICATIONS, OR 1997 ODOT SPECIFICATIONS AS MODIFIED BY THE WOOD COUNTY ENGINEER (MAXIMUM DRY DENSITY EXCEEDING 105 POUNDS/CUBIC FEET AND 98% COMPACTION AS DETERMINED BY THE STANDARD PROCTOR TEST ASTM D698). THE WOOD COUNTY ENGINEER RESERVES THE RIGHT TO ORDER COMPACTION TESTS IF THE WOOD COUNTY ENGINEER DEEMS NECESSARY. TYPE C PIPE OUTSIDE THE LIMITS OF FIVE (5) FEET FROM THE EDGE OR BACK OF CURB OF THE EXISTING OR PROPOSED PAVEMENT MAY BE BACKILLED WITH SUITABLE EXCAVATED MATERIAL. ITEM 411 OR 304 STONE APPROVED GRANULAR MATERIAL SHALL BE INCLUDED IN THE UNIT PRICE PER LINEAL FOOT OF PIPE.

##### 6.CONNECTING TO/OR CROSSING EXISTING UTILITIES

WHERE THE PLANS PROVIDE FOR PROPOSED CONDUIT TO BE CONNECTED TO, OR TO CROSS OVER OR UNDER AN EXISTING UTILITY, IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE THE EXISTING UTILITY AS TO LINE AND GRADE BEFORE LAYING THE PROPOSED CONDUIT. WHEN CONNECTING TO AN EXISTING MANHOLE THE CONTRACTOR SHALL CUT A CIRCULAR HOLE AND INSTALL A KOR-N-SEAL BOOT OR APPROVED EQUAL.

##### 7.SERVICE CONNECTIONS

ALL SEWER SERVICE CONNECTIONS SHALL BE PROPERLY PLUGGED, WITH THE COST OF ALL LABOR AND MATERIALS FOR INSTALLATION INCLUDED IN THE UNIT PRICE BID FOR THE CONDUIT. THE ENDS OF ALL SEWER SERVICE CONNECTIONS SHALL BE MARKED WITH A TWO INCH (2") BY FOUR INCH (4") STAKE EXTENDING FROM THE FLOW LINE TO WITHIN 18 INCHES OF PROPOSED FINISHED GRADE.

##### 8.PLUGS AND FITTINGS

ANY PIPE NOT CONNECTED SHALL BE FITTED WITH PREMIUM JOINT PLUGS FASTENED IN AN APPROVED MANNER. ALL PIPE SPECIALS, SUCH AS PLUGS, BENDS, TEES, WYES, ETC., SHALL BE ONE-PIECE FACTORY FORMED AND CONSIDERED PAID FOR IN THE UNIT PRICE FOR THE PERTINENT CONDUIT ITEM.

##### 9.MANHOLES, CATCH BASINS AND HEADWALLS

MANHOLES, CATCH BASINS AND HEADWALLS SHALL BE CONSTRUCTED ACCORDING TO THE ODOT STANDARD CONSTRUCTION DRAWINGS. ALL CATCH BASINS AND MANHOLES SHALL BE BUILT WITHOUT SUMPS UNLESS OTHERWISE NOTED.

##### 10.MANHOLES

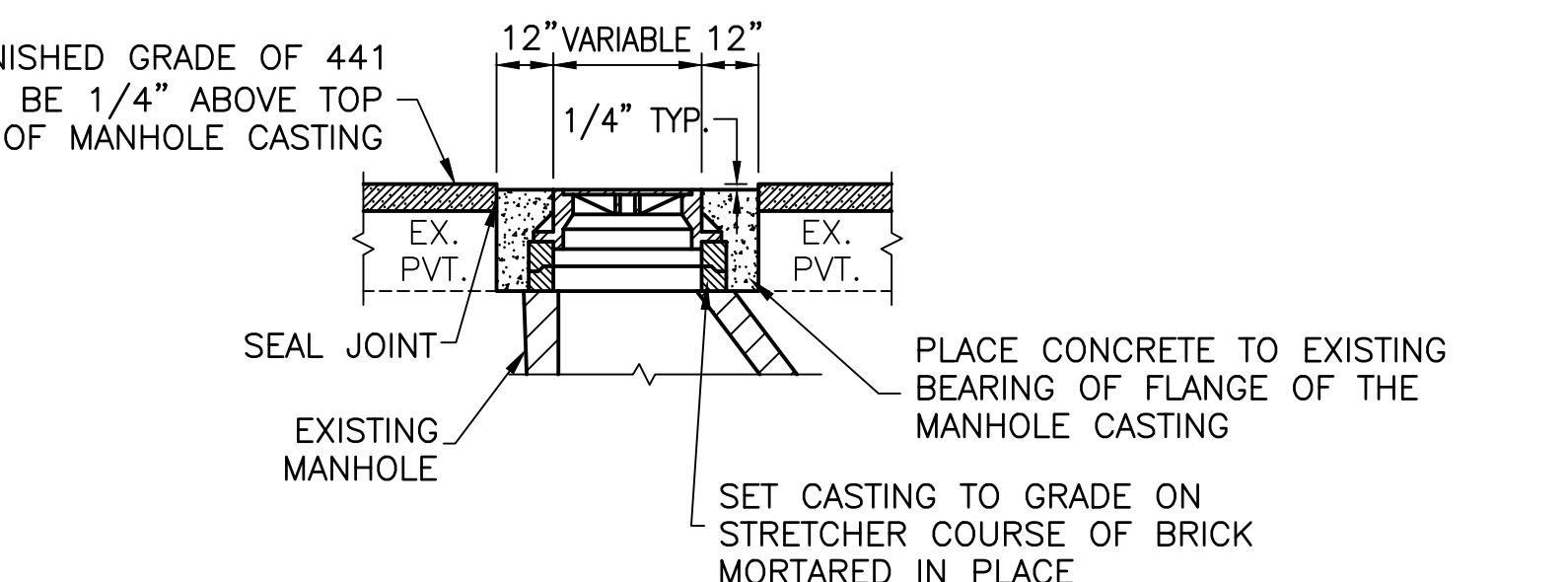
ALL MANHOLES SHALL BE PRECAST CONCRETE CONSTRUCTED ACCORDING TO THE ODOT STANDARDS CONSTRUCTION DRAWING. THE RISER SECTIONS WILL BE "O-RING" TYPE CONFORMING TO ASTM C-443.

##### 11.MANHOLE RIM ELEVATIONS

WHEN MANHOLES ARE LOCATED WITHIN THE PAVEMENT, THE UPPERMOST SURFACE OF THE FRAME OR COVER SHALL BE  $\frac{1}{4}$  INCH BELOW THE PAVEMENT SURFACE. WHEN MANHOLES ARE LOCATED OUTSIDE THE PAVEMENT, THE TOP SHALL BE SET ONE INCH (1") ABOVE THE FINISHED GROUND GRADE TOP ELEVATIONS SHOWN ON THE DRAWINGS ARE GIVEN AT GROUND OR PAVEMENT.

##### 12.STORM SEWER ACCEPTANCE

PRIOR TO FINAL ACCEPTANCE OF THE PROJECT BY THE WOOD COUNTY ENGINEER, ALL STORM SEWERS INSTALLED OR REPAIRED SHALL BE THOROUGHLY CLEANED AND FLUSHED WITH CLEAN WATER AND ALL NEW INLETS AND MANHOLES CONSTRUCTED AS PART OF THE PROJECT SHALL BE FREE OF FOREIGN MATTER AND IN A CLEAN CONDITION.



##### RESET CASTING BY THE FOLLOWING METHOD:

**STEP 1** THE ASPHALT CONCRETE, INCLUDING LEVELING, BINDER AND WEARING COURSES, SHALL BE LAID CONTINUOUSLY OVER THE CASTING. SPECIAL PRECAUTIONS SHALL BE TAKEN BY THE CONTRACTOR, THE ENGINEER, AND THE INSPECTORS, FOR THE MARKING AND RE-ESTABLISHMENT OF THE LOCATIONS OF THE CASTINGS.

**STEP 2** AFTER COMPLETELY PLACING AND COMPACTING THE ASPHALT CONCRETE, ONE-HALF THE WIDTH OF THE STREET SHALL BE BARRICADED. THE NEW ASPHALT CONCRETE SURFACE AND THE OLD PAVEMENT SHALL BE NEATLY CUT AWAY WITH AIR SPADES AND REMOVED IN A CIRCULAR AREA OF SPECIFIED DIAMETER AROUND EACH CASTING, DOWN TO THE EXISTING BEARING OF THE FLANGE OF THE CASTINGS AS DETAILED.

**STEP 3** THE CASTING SHALL THEN BE RAISED TO 1/4" BELOW THE NEW ASPHALT CONCRETE SURFACE AND SET TO GRADE. THE EXCAVATED AREA AROUND THE CASTING SHALL THEN BE FILLED AND COMPACTED TO 1/4" BELOW THE NEW SURFACE WITH "HIGH-EARLY STRENGTH" CONCRETE AS SPECIFIED BY THE ENGINEER. THE CONCRETE SHALL BE ALLOWED TO CURE AT LEAST TWENTY-FIVE (24) HOURS BEFORE THIS SIDE OF THE STREET IS OPENED TO TRAFFIC.

**STEP 4** AFTER STEP 3 HAS BEEN COMPLETED THE REMAINING ONE-HALF THE WIDTH OF THE STREET SHALL BE COMPLETED IN THE SAME MANNER AS OUTLINED IN STEP 2 AND 3 ABOVE.

**STEP 5** ALL SANITARY MANHOLES ADJUSTMENT RINGS AND CASTINGS SHALL BE SEALED WITH AN INTERNAL OR EXTERNAL SEAL. INTERNAL SEALS SHALL BE FLEX SEAL. EXTERNAL SEALS SHALL BE WRAPID SEAL OR APPROVED EQUAL. SEALS SHALL BE INSTALLED PER THE REQUIREMENTS OF THE NORTHWESTERN WATER AND SEWER DISTRICT.

FOR SPECIFICATIONS ON RESETTING CATCH BASINS REFER TO C.M.S. SPECIFICATION SS811.

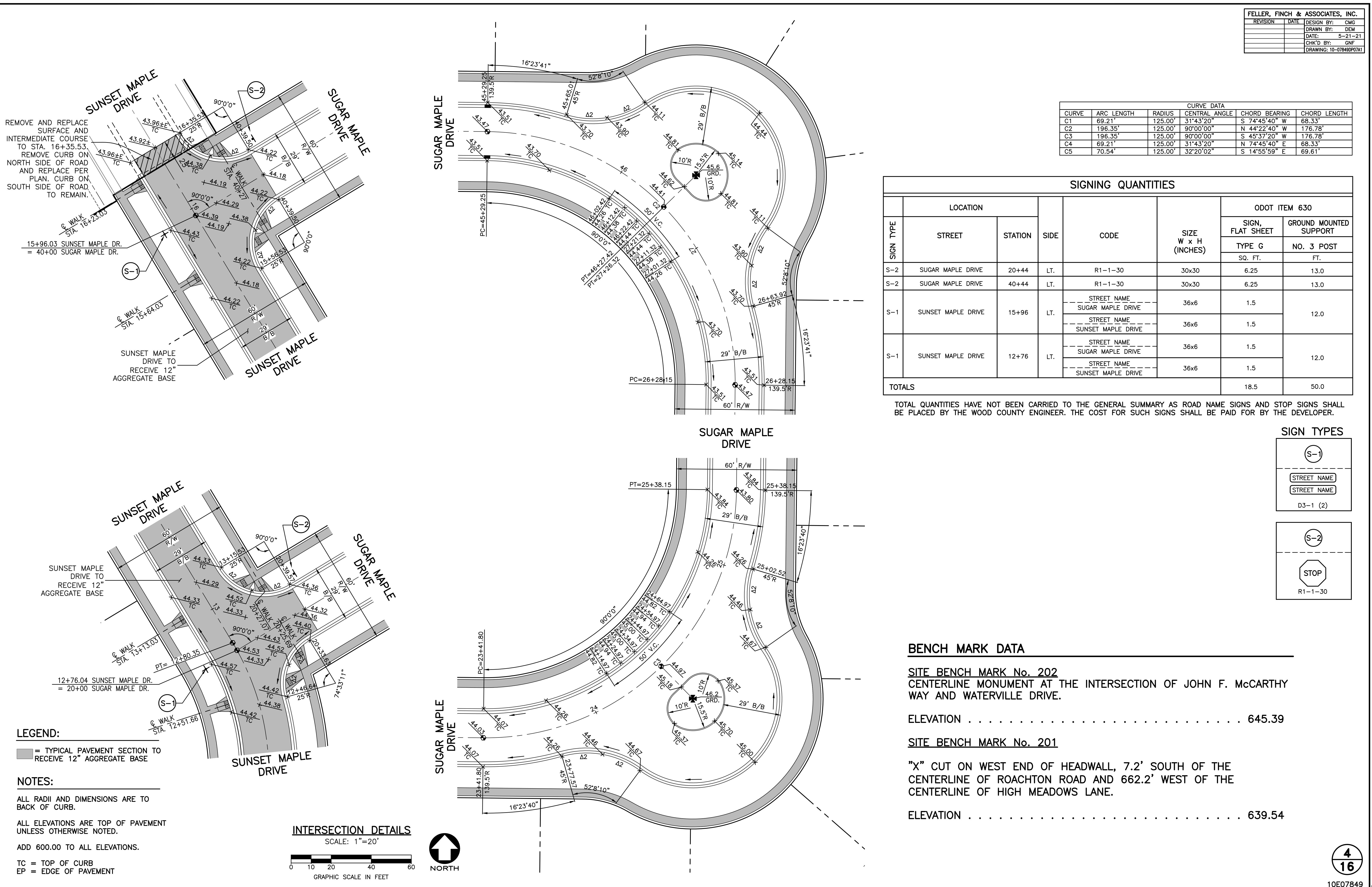
PAYMENT FOR ADJUSTMENT OF EXISTING MANHOLE / CATCH BASIN / CURB BOX CASTINGS SHALL BE PAID FOR UNDER ITEM SS811, ADJUST CASTING TO GRADE. PAYMENT FOR PLACEMENT AND ADJUSTMENT OF NEW CASTINGS TO FINAL GRADE SHALL BE PAID FOR UNDER THE PERTINENT NEW MANHOLE OR CATCH BASIN PAY ITEM.

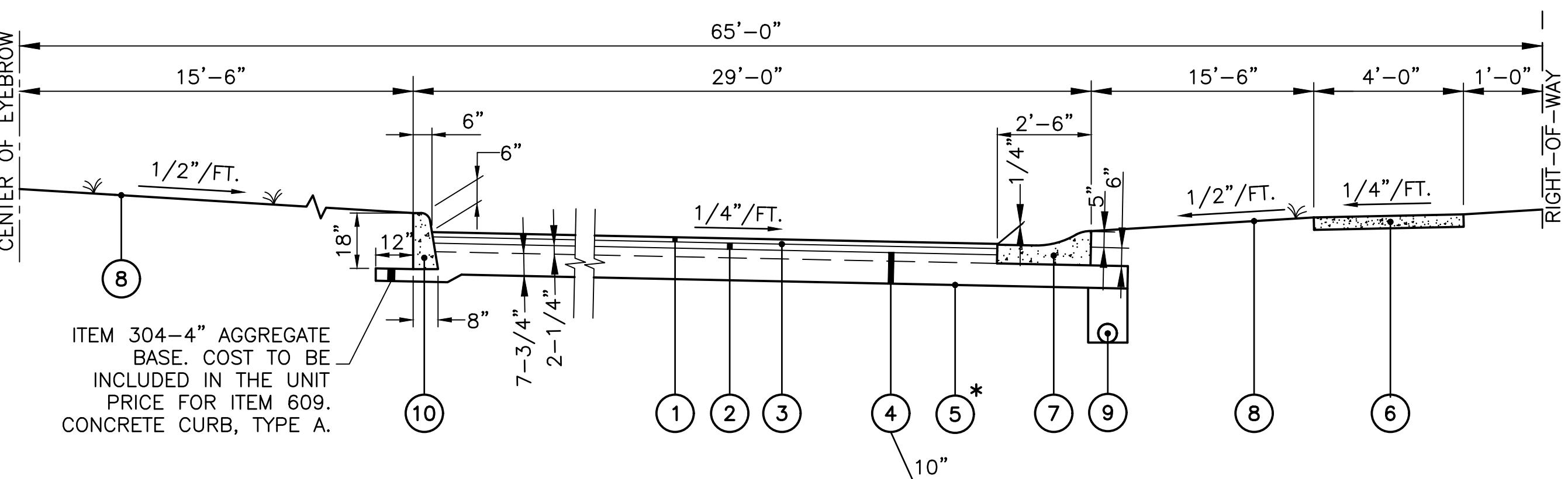
#### DETAIL OF ADJUSTMENT AND PLACEMENT OF MANHOLE / CATCH BASIN / CURB BOX CASTINGS INCLUDING NEW CONSTRUCTION

## GENERAL SUMMARY

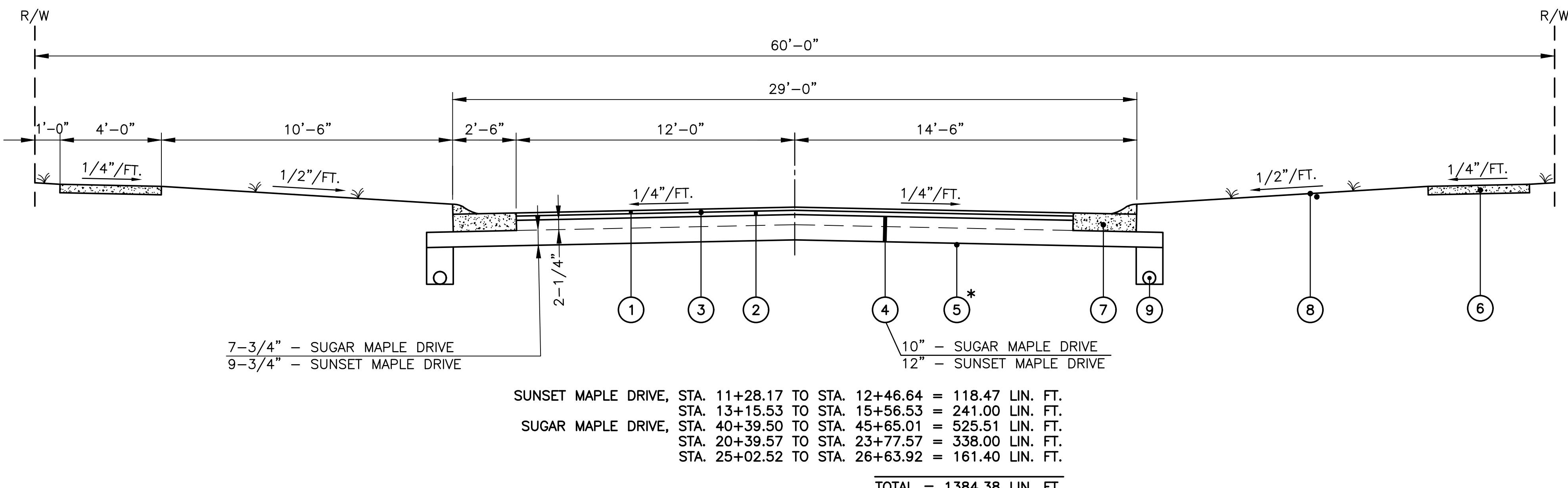
ITEM	QTY.	UNIT	DESCRIPTION
ROADWAY AND PAVEMENT			
202	1	EACH	CATCH BASIN REMOVED
203	19,899	CU. YD.	EMBANKMENT, AS PER PLAN
203	37,029	CU. YD.	EXCAVATION, AS PER PLAN
204	7044	SQ. YD.	SUBGRADE COMPACTION
623	8	EACH	TYPE A MONUMENTS (BY OTHERS)
623	14	EACH	TYPE B MONUMENTS
608	14,757	SQ. FT.	4" AND 6" CONCRETE WALKS (BY OTHERS)
608	12	EACH	CURB RAMPS (BY DEVELOPER)
304	2029	CU. YD.	AGGREGATE BASE, AS PER PLAN (INCLUDING TEMP. TURNAROUND)
407	287	GALLON	TACK COAT FOR INTERMEDIATE COURSE
441	399	CU. YD.	ASPHALT CONCRETE, INTERMEDIATE COURSE, TYPE 2, (448) PG64-22
441	252	CU. YD.	ASPHALT CONCRETE, SURFACE COURSE, TYPE 1, (448) PG64-22 (INCLUDING TEMP. TURNAROUND)
609	3714	FT.	MOUNTABLE CURB AND GUTTER, WOOD COUNTY TYPE F
609	176	FT.	CONCRETE CURB, ODOT TYPE 6
SPEC.	1	FT.	GUARDRAIL BARRICADE REMOVED FOR RE-USE
SPEC.	1	FT.	GUARDRAIL BARRICADE REBUILT
SPEC.	400	CU. YD.	SUBGRADE IMPROVEMENT (CONTINGENCY)
SPEC.	8	FT.	CURB REMOVED
SPEC.	8	FT.	CURB REMOVED (CONTINGENCY)
SPEC.	198	SQ. FT.	ASPHALT REMOVED
SPEC.	1	LUMP SUM	SUBDIVISION IMPROVEMENT MAINTENANCE BOND
DRAINAGE			
611	182	FT.	12" CONDUIT, TYPE B, AS PER PLAN
611	41	FT.	15" CONDUIT, TYPE B, AS PER PLAN
611	42	FT.	30" CONDUIT, TYPE B, AS PER PLAN
611	42	FT.	36" CONDUIT, TYPE B, AS PER PLAN
611	516	FT.	6" CONDUIT, TYPE C, AS PER PLAN
611	1479	FT.	12" CONDUIT, TYPE C, AS PER PLAN
611	727	FT.	15" CONDUIT, TYPE C, AS PER PLAN
611	189	FT.	18" CONDUIT, TYPE C, AS PER PLAN
611	186	FT.	30" CONDUIT, TYPE C, AS PER PLAN
611	672	FT.	36" CONDUIT, TYPE C, AS PER PLAN
611	105	FT.	36" CONDUIT, TYPE C, ASTM F-794 PS46 W/ASTM D3212 JOINTS
611	12	EACH	ODOT No. 3 MANHOLE
611	2	EACH	ODOT No. 3 MANHOLE W/5' DIA. BASE
611	2	EACH	ODOT No. 3 MANHOLE W/6' DIA. BASE
611	8	EACH	ODOT CATCH BASIN NO. 3A
611	12	EACH	ODOT CATCH BASIN NO. 2-2B
611	1	EACH	ODOT No. 3 MANHOLE W/5' DIA. BASE & NEENAH R-2554 FRAME & GRATE
611	2	EACH	ODOT CATCH BASIN NO. 3
605	3714	FT.	6" UNDERDRAINS, 707.31

SEE SWP3 PLANS FOR EROSION CONTROL QUANTITIES.



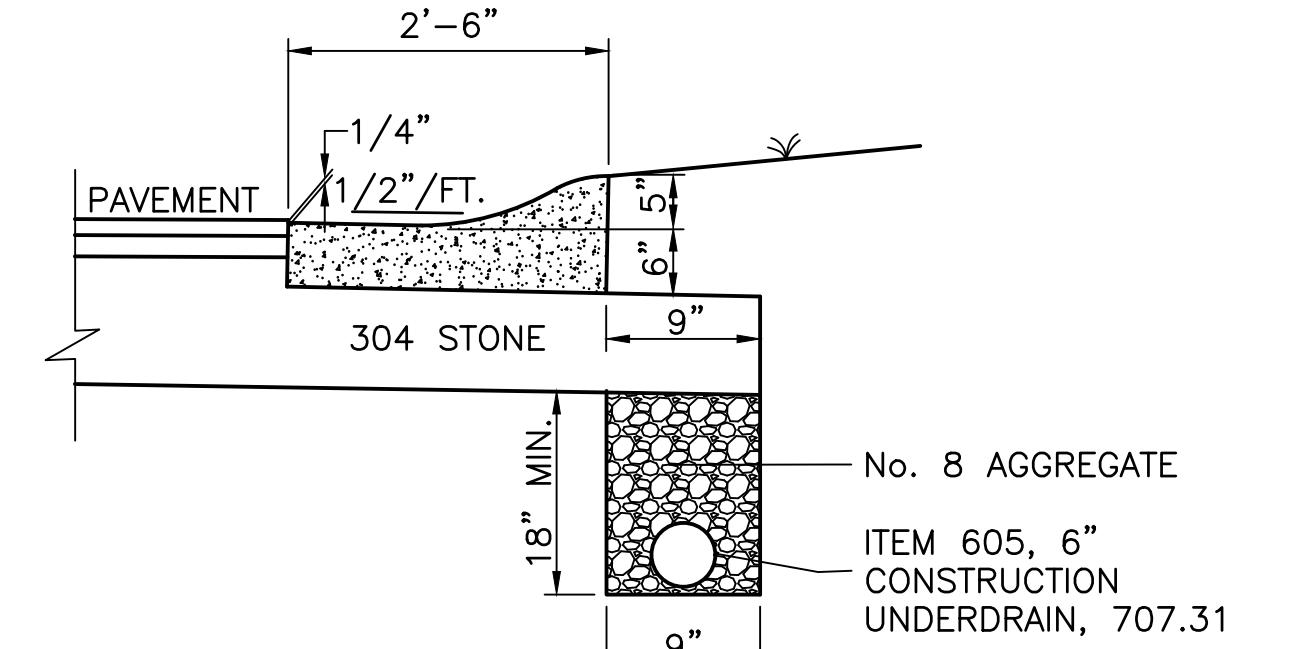


**NOTE:**  
\* VERIFY NO VEGETATION/ORGANIC MATERIAL HAS BEEN BURIED IN ROAD/EYEBROW CONSTRUCTION AREA. UNDERCUTTING WILL BE REQUIRED.



#### TYPICAL SECTION LEGEND

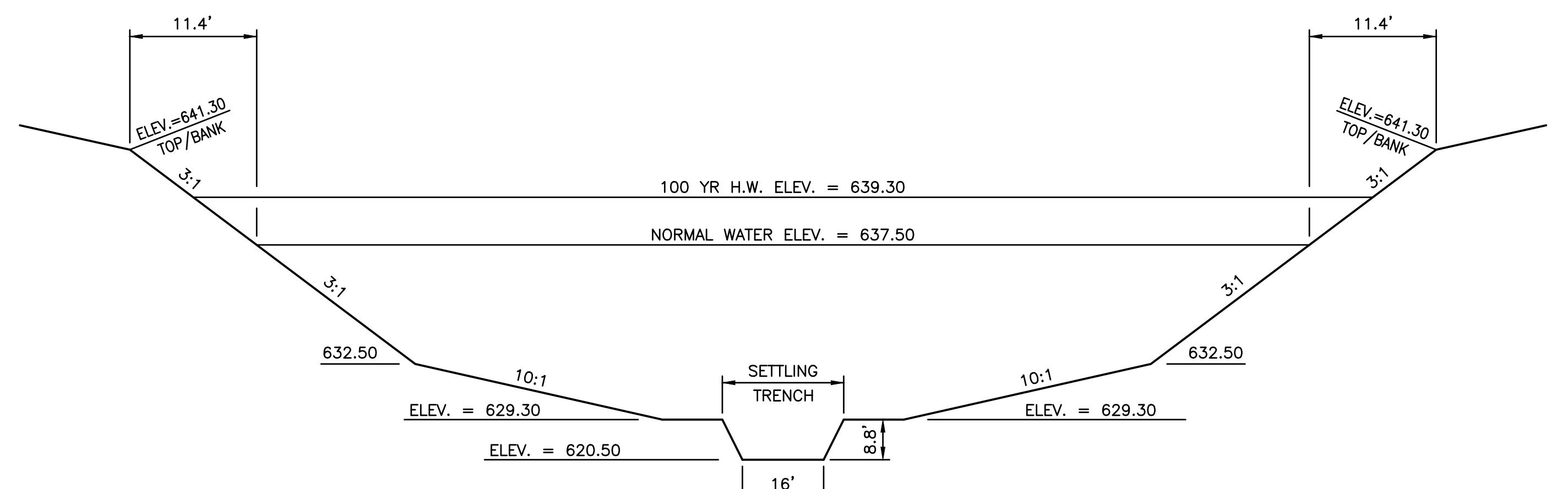
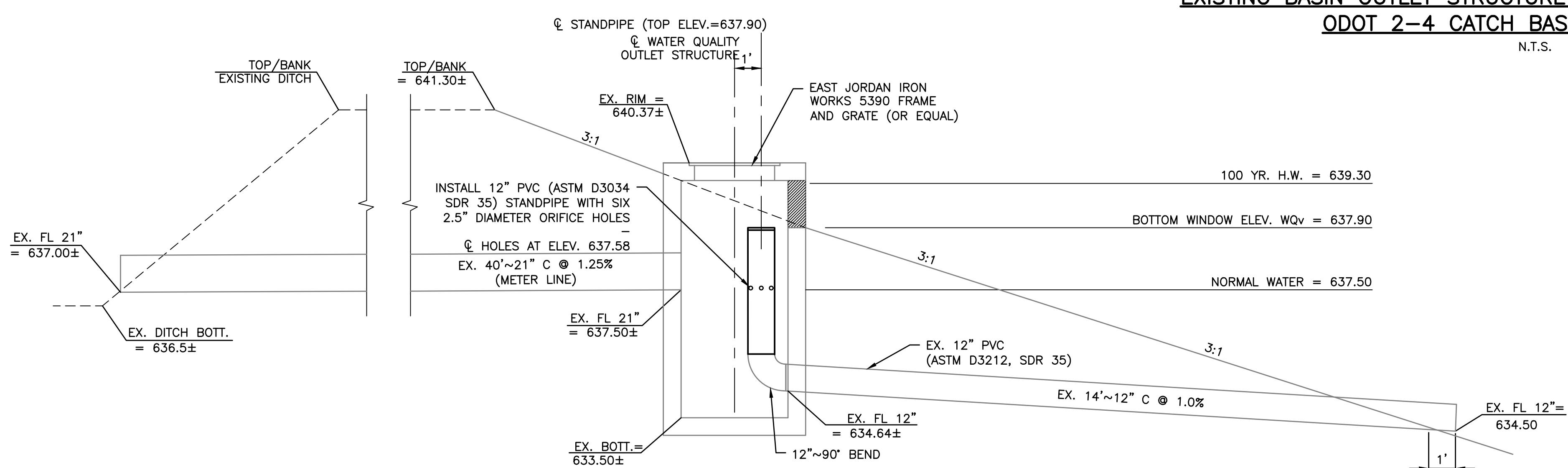
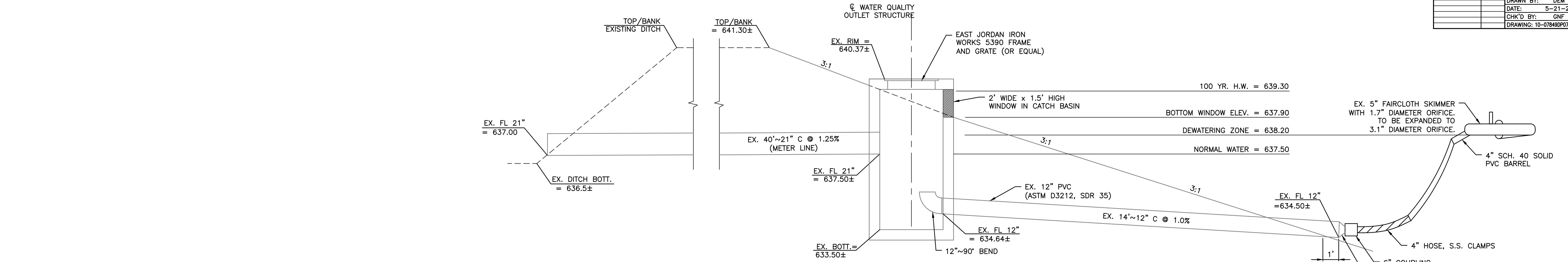
- (1) ITEM 441 1-1/2" ASPHALT CONCRETE, SURFACE COURSE, TYPE 1, (448) PG 64 - 22
- (2) ITEM 441 2 1/2" ASPHALT CONCRETE, INTERMEDIATE COURSE, TYPE 2, (448) PG 64 - 22
- (3) ITEM 407 TACK COAT FOR INTERMEDIATE COURSE @ 0.05 GAL./SQ YD.
- (4) ITEM 304 AGGREGATE BASE (THICKNESS PER PLAN)
- (5) ITEM 204 SUBGRADE COMPACTION
- (6) ITEM 608 4" CONCRETE WALK, 6" AT DRIVES (BY OTHERS)
- (7) ITEM 609 MOUNTABLE CURB AND GUTTER, WOOD COUNTY TYPE F
- (8) ITEM 659 SEEDING AND MULCHING; COMMERCIAL FERTILIZER
- (9) ITEM 605 6" UNDERDRAIN, 707.31
- (10) ITEM 609 CONCRETE CURB, ODOT TYPE 6

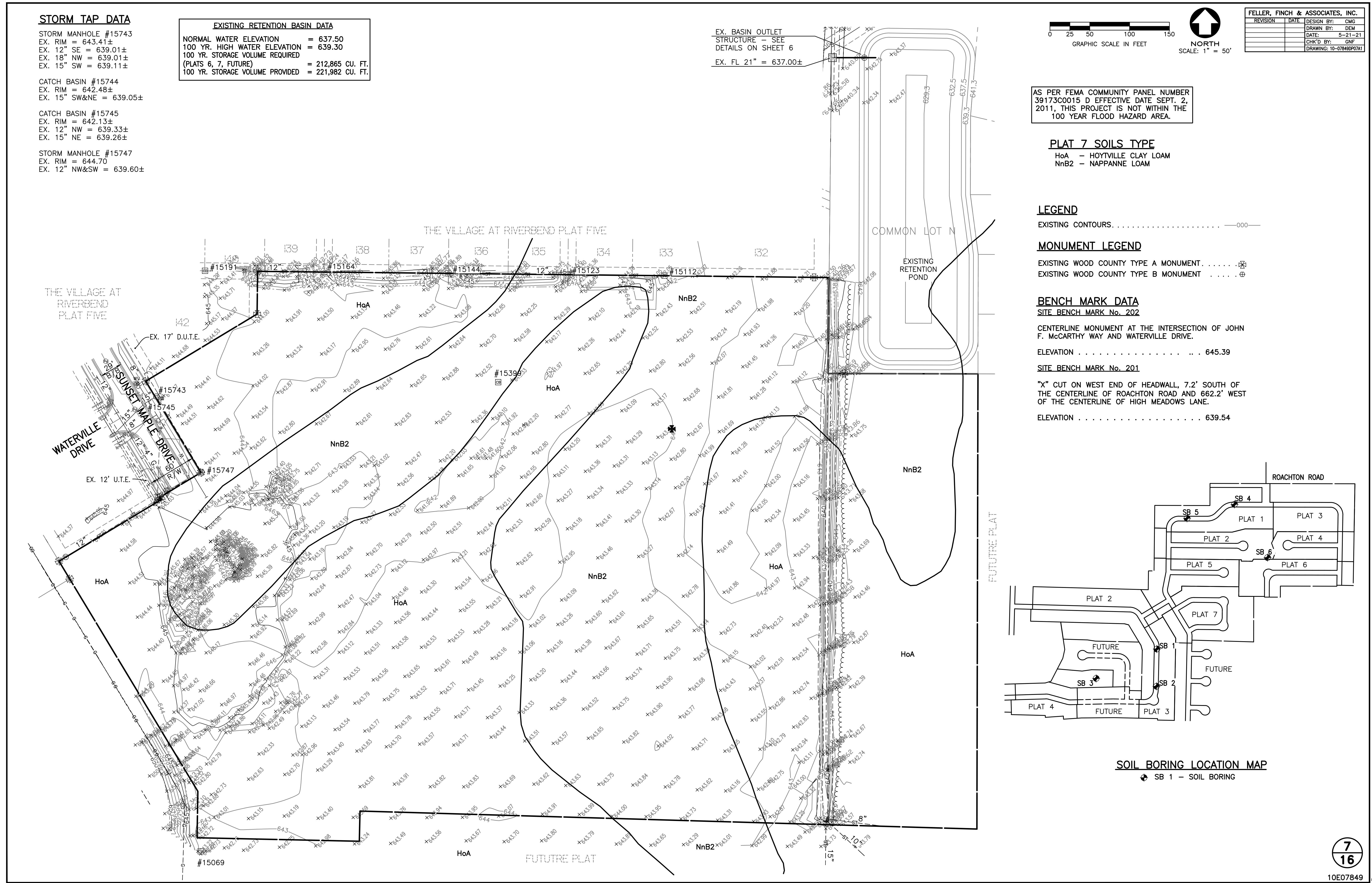


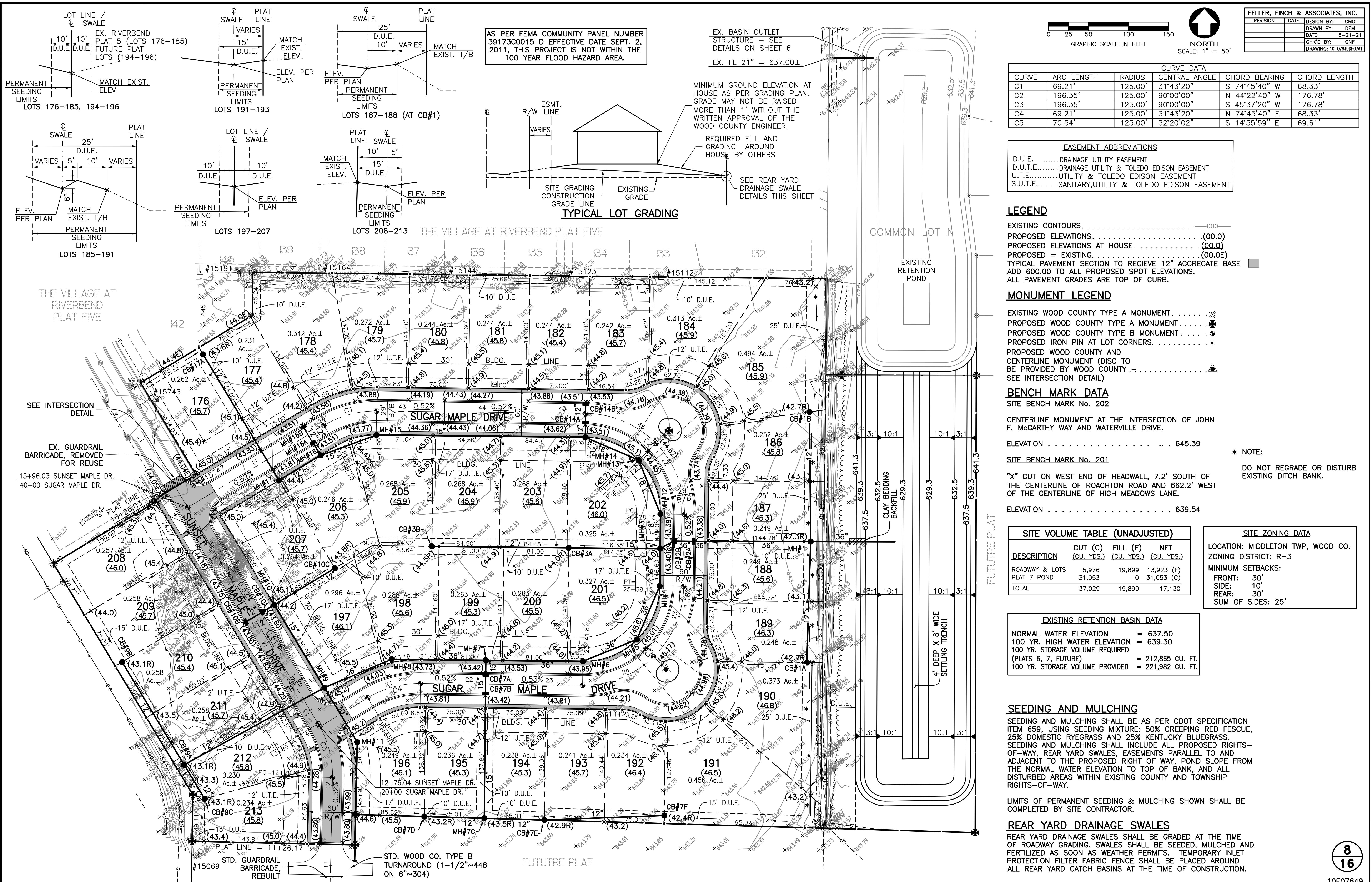
**MOUNTABLE CURB AND GUTTER,  
WOOD COUNTY, TYPE F**

SCALE: NTS

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REVISION	DATE	DESIGN BY:	CWG
		DRAWN BY:	DEM
		DATE:	5-21-21
		CHK'D BY:	GNF
		DRAWING:	10-07849DP07A1







FELLER, FINCH & ASSOCIATES, INC.  
 REVISION DATE DESIGN BY: CMG  
 DRAWN BY: DEM  
 DATE: 5-21-21  
 CHK'D BY: GNF  
 DRAWING# 10E07849DP07A1



NORTH  
 SCALE: 1" = 50'

#### EASEMENT ABBREVIATIONS

D.U.E. .... DRAINAGE UTILITY EASEMENT  
 D.U.T.E. .... DRAINAGE UTILITY & TOLEDO EDISON EASEMENT  
 U.T.E. .... UTILITY & TOLEDO EDISON EASEMENT

#### BENCH MARK DATA

SITE BENCH MARK NO. 202

CENTERLINE MONUMENT AT THE INTERSECTION OF JOHN F. MCCARTHY WAY AND WATERVILLE DRIVE.

ELEVATION . . . . . 645.39

SITE BENCH MARK No. 201

"X" CUT ON WEST END OF HEADWALL, 7.2' SOUTH OF THE CENTERLINE OF ROACHTON ROAD AND 662.2' WEST OF THE CENTERLINE OF HIGH MEADOWS LANE.

ELEVATION . . . . . 639.54

SUNSET MAPLE  
DRIVE TO  
RECEIVE 12"  
AGGREGATE BASE

CURVE DATA					
CURVE	ARC LENGTH	RADIUS	CENTRAL ANGLE	CHORD BEARING	CHORD LENGTH
C1	69.21'	125.00'	31°43'20"	S 74°45'40" W	68.33'
C2	196.35'	125.00'	90°00'00"	N 44°22'40" W	176.78'
C3	196.35'	125.00'	90°00'00"	S 45°37'20" W	176.78'
C4	69.21'	125.00'	31°43'20"	N 74°45'40" E	68.33'
C5	70.54'	125.00'	32°20'02"	S 14°55'59" E	69.61'

LINE DATA		
LINE	BEARING	DISTANCE
L1	S 31°06'01" E	30.00'
L2	S 31°06'01" E	315.69'
L3	S 01°14'02" W	83.63'

#### STORM TAP DATA

LOT 197  
 0+00 (14+26.13, 108.43 RT.)  
 14'~6" C @ 1.0%  
 FL 6" = 640.70

LOT 208  
 1+10 (16+12.92±, 79.80± LT.)  
 EX. 6" ON 12" TEE  
 EX. 11'~6" C @ 1.0%  
 EX. FL 6" = 640.40±

LOT 209  
 0+00 (14+82.82, 160.15 LT.)  
 14'~6" C @ 1.0%  
 FL 6" = 641.24

LOT 210  
 0+00 (14+63.02, 160.15' LT.)  
 14'~6" C @ 1.0%  
 FL 6" = 641.24

LOT 211  
 0+00 (13+32.82, 160.11' LT.)  
 14'~6" C @ 1.0%  
 FL 6" = 641.02

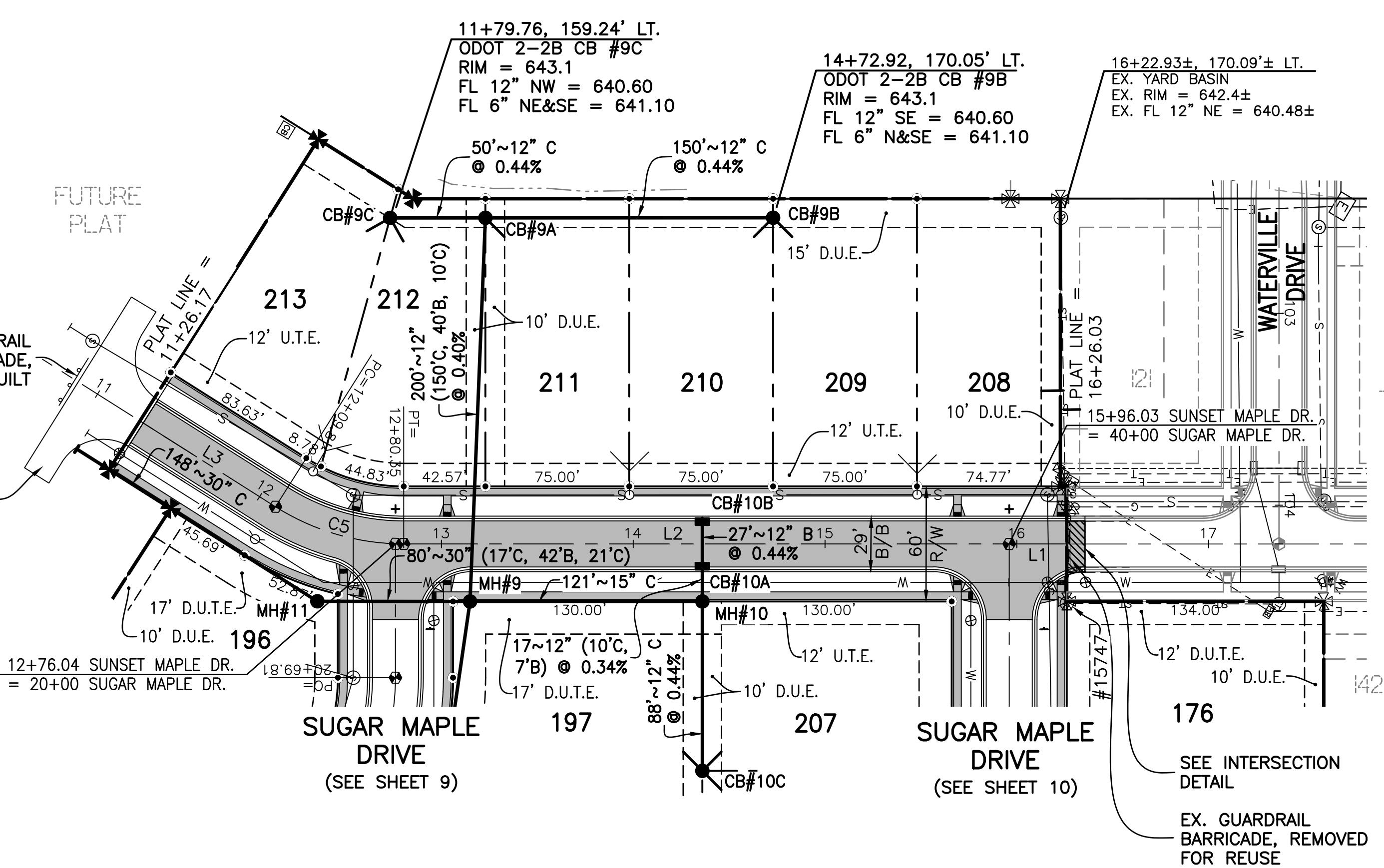
LOT 212  
 0+00 (11+92.10, 152.62' LT.)  
 14'~6" C @ 1.0%  
 FL 6" = 641.24

LOT 213  
 0+00 (11+73.14, 146.90' LT.)  
 14'~6" C @ 1.0%  
 FL 6" = 641.24

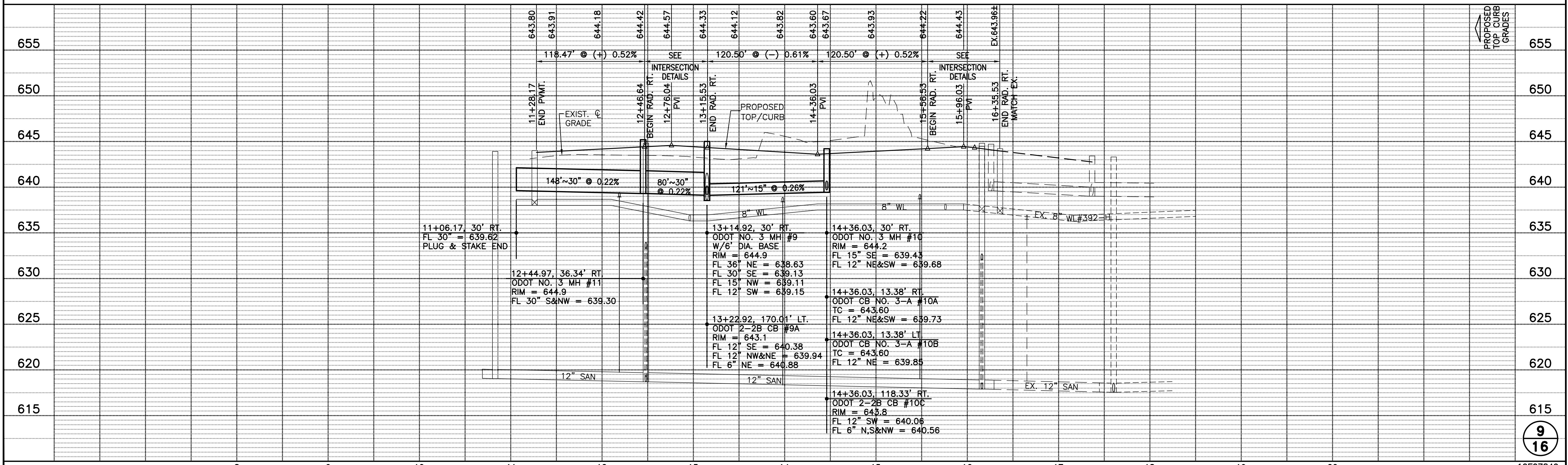
#### EXISTING STRUCTURE DATA

EX. MH #15747  
 16+26.08±, 30.95± RT.  
 EX. RIM = 644.70±  
 EX. FL 12" SW&NW = 639.60±

STD. GUARDRAIL  
BARRICADE,  
REBUILT  
STD. WOOD CO. TYPE B  
TURNAROUND (1-1/2"~448  
ON 6"~304)



#### SUNSET MAPLE DRIVE



### STORM TAP DATA

**LOT 176**  
0+00 (41+05.43, 144.08 LT.)  
14'~6" C @ 1.0%  
FL 6" = 641.74

**LOT 203**  
0+00 (45+19.80, 158.50' RT.)  
14'~6" C @ 1.0%  
FL 6" = 640.89

**LOT 177**  
0+00 (41+25.22, 144.08' LT.)  
14'~6" C @ 1.0%  
FL 6" = 641.74

**LOT 178**  
0+32 (42+23.46, 176.45' LT.)  
EX. 6" ON 12" TEE  
EX. 14'~6" C @ 1.0%  
EX. FL 6" = 639.63

**LOT 179**  
0+00 (42+40.89, 68.43' LT.)  
14'~6" C @ 1.0%  
EX. FL 6" = 639.74  
19'~6" C @ 1.0%  
FL 6" = 639.93

**LOT 180**  
0+00 (43+50.98, 157.60' LT.)  
EX. 14'~6" C @ 1.0%  
EX. FL 6" = 639.57

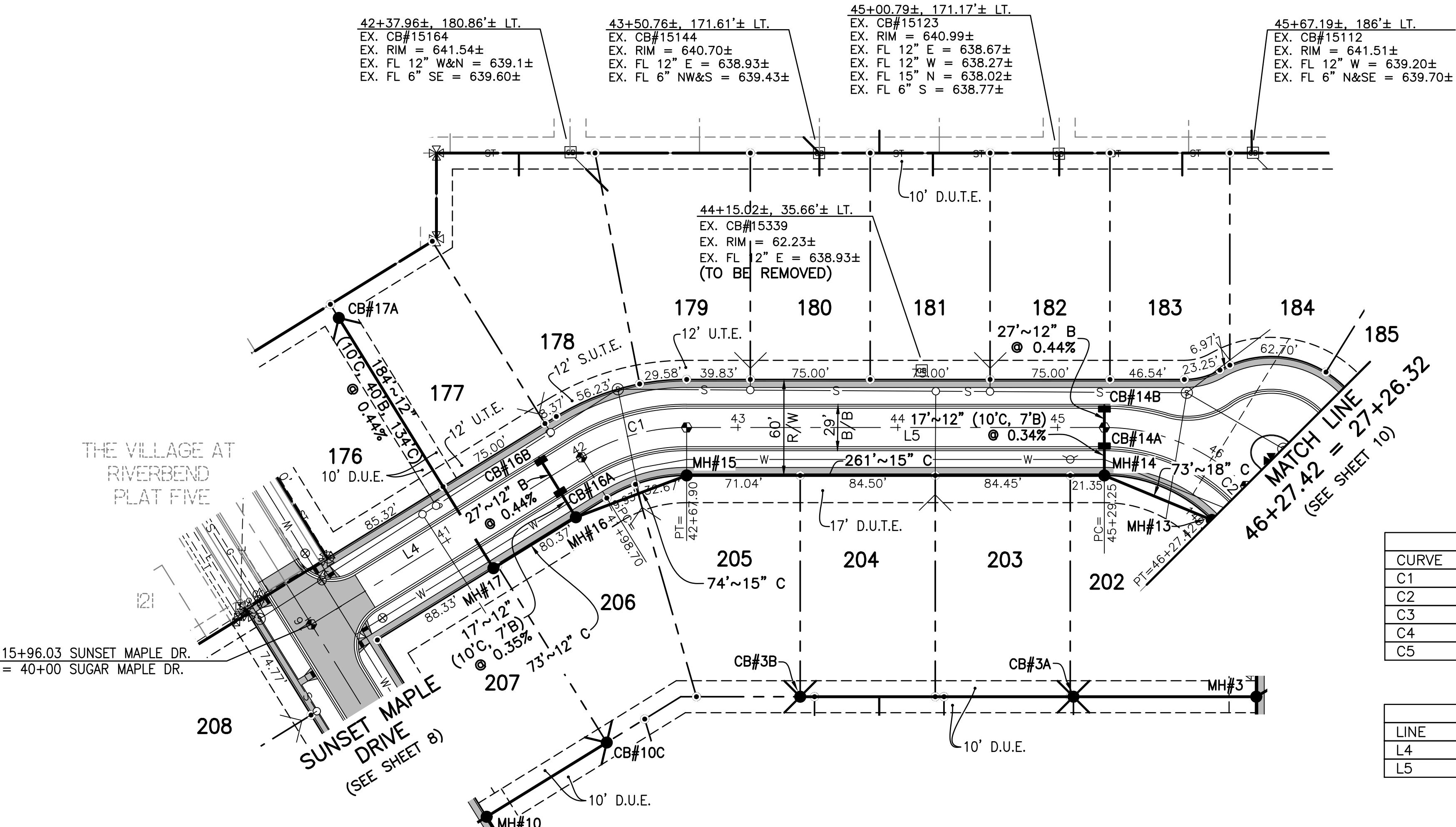
**LOT 181**  
0+79 (44+21.97, 157.60' LT.)  
EX. 6" ON 12" TEE  
EX. 14'~6" C @ 1.0%  
EX. FL 6" = 639.01

**LOT 182**  
0+00 (45+00.98, 157.60' LT.)  
EX. 14'~6" C @ 1.0%  
EX. FL 6" = 638.91

**LOT 183**  
0+77 (45+50.59, 161.77' LT.)  
EX. 6" ON 12" TEE  
EX. 14'~6" C @ 1.0%  
EX. FL 6" = 639.40

**LOT 184**  
0+00 (45+72.01, 179.34' LT.)  
EX. 14'~6" C @ 1.0%  
EX. FL 6" = 639.84

**LOT 202**  
0+00 (45+00, 158.50' RT.)  
14'~6" C @ 1.0%  
FL 6" = 640.89



NORTH

SCALE: 1" = 50'

FELLER, FINCH & ASSOCIATES, INC.	
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	DRAWN BY: DEM
	DATE: 5-21-21
	CHK'D BY: CNF
	DRAWING# 10E07849DP07A1

### EASEMENT ABBREVIATIONS

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- D.U.T.E. .... DRAINAGE UTILITY & TOLEDO EDISON EASEMENT
- U.T.E. .... UTILITY & TOLEDO EDISON EASEMENT
- S.U.T.E. .... SANITARY,UTILITY & TOLEDO EDISON EASEMENT

### BENCH MARK DATA

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CENTERLINE MONUMENT AT THE INTERSECTION OF JOHN F. MCCARTHY WAY AND WATERVILLE DRIVE.

ELEVATION . . . . . 645.39

SITE BENCH MARK No. 201

"X" CUT ON WEST END OF HEADWALL, 7.2' SOUTH OF THE CENTERLINE OF ROACHTON ROAD AND 662.2' WEST OF THE CENTERLINE OF HIGH MEADOWS LANE.

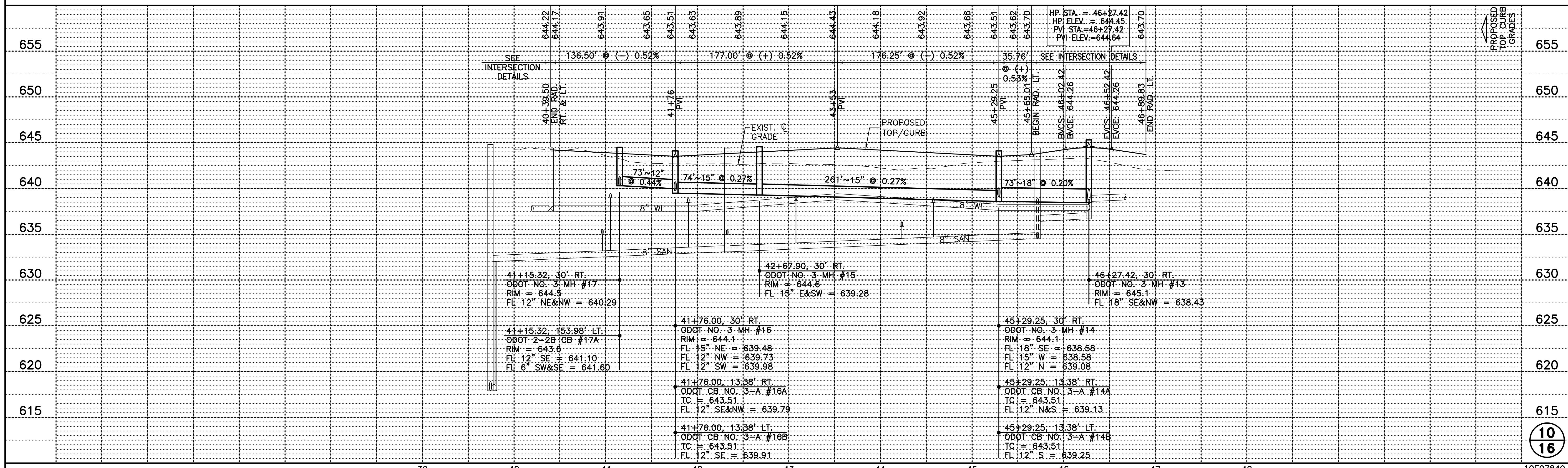
ELEVATION . . . . . 639.54

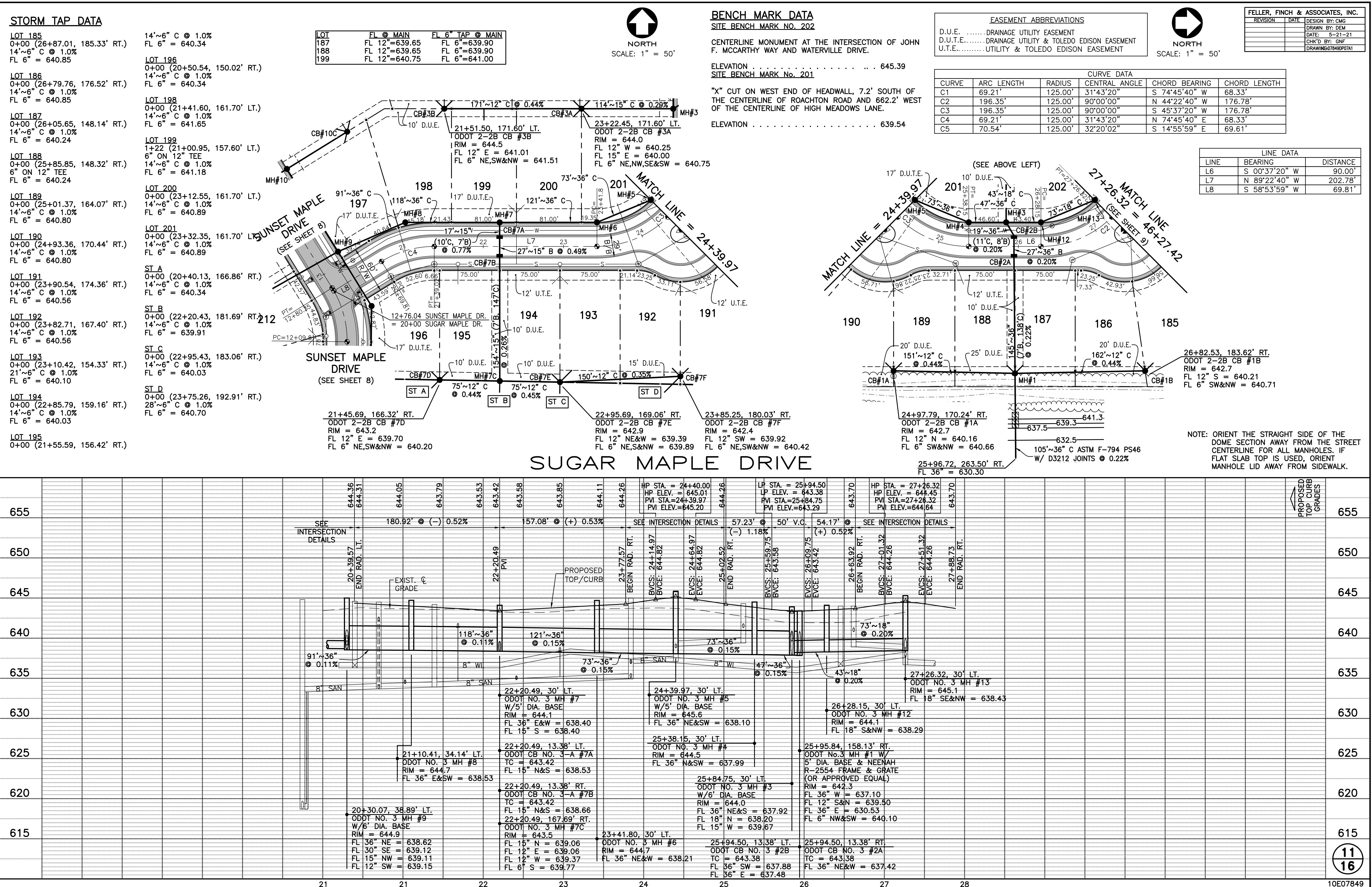
CURVE DATA					
CURVE	ARC LENGTH	RADIUS	CENTRAL ANGLE	CHORD BEARING	CHORD LENGTH
C1	69.21'	125.00'	31°43'20"	S 74°45'40" W	68.33'
C2	196.35'	125.00'	90°00'00"	N 44°22'40" W	176.78'
C3	196.35'	125.00'	90°00'00"	S 45°37'20" W	176.78'
C4	69.21'	125.00'	31°43'20"	N 74°45'40" E	68.33'
C5	70.54'	125.00'	32°20'02"	S 14°55'59" E	69.61'

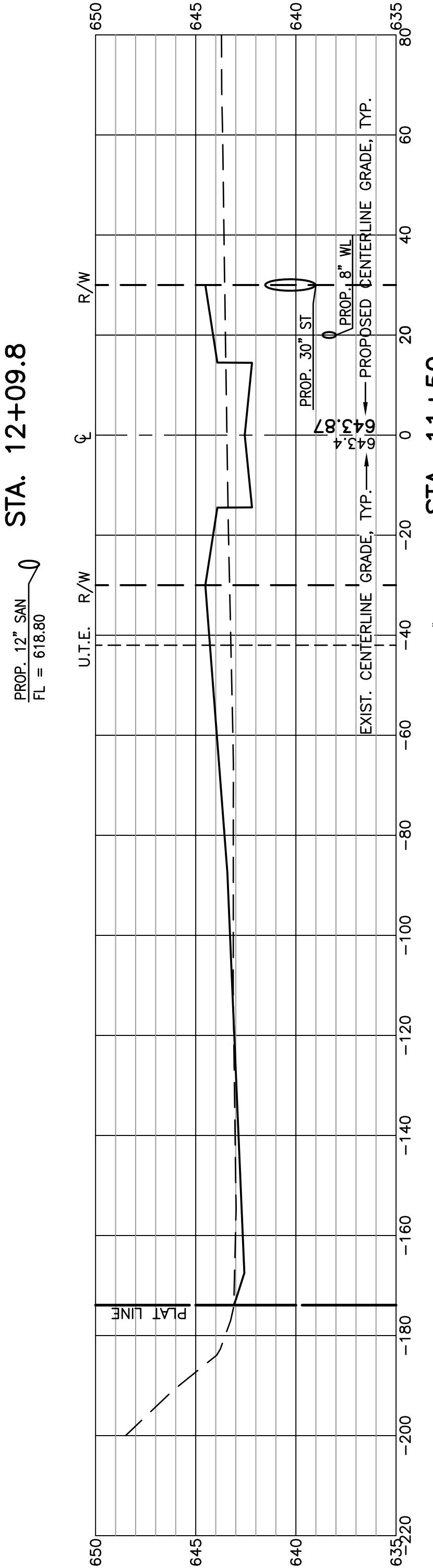
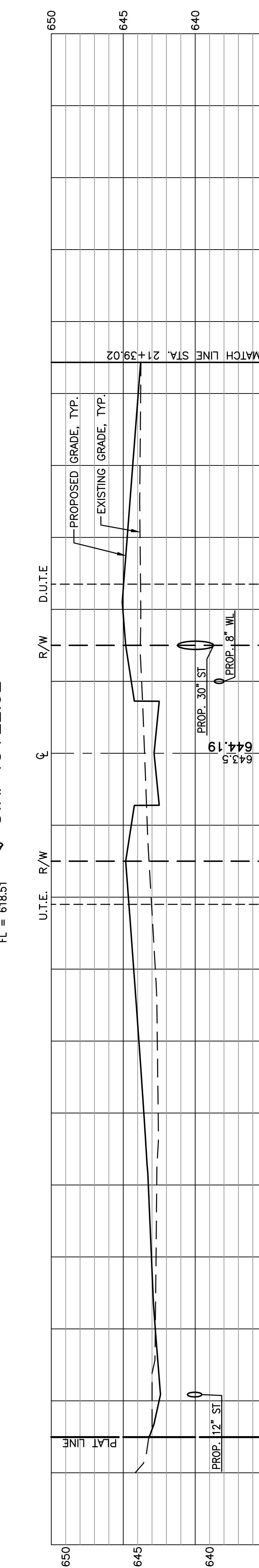
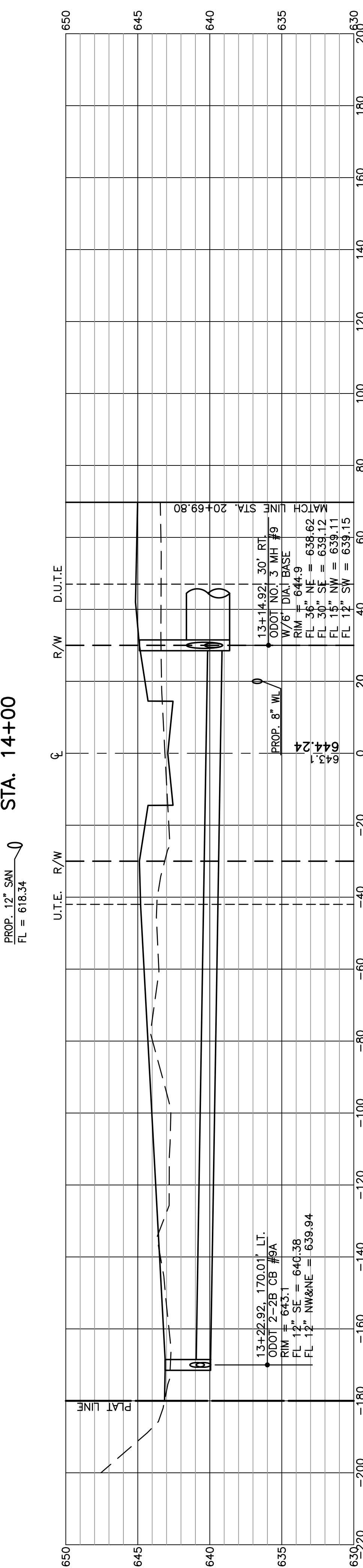
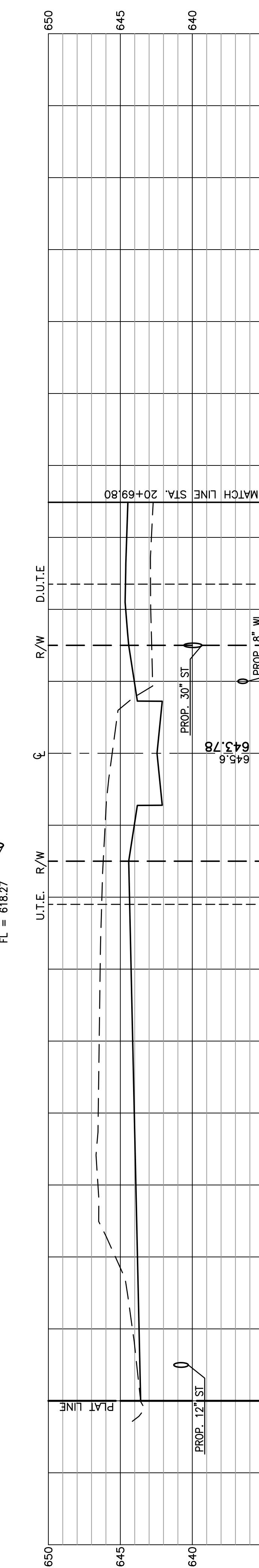
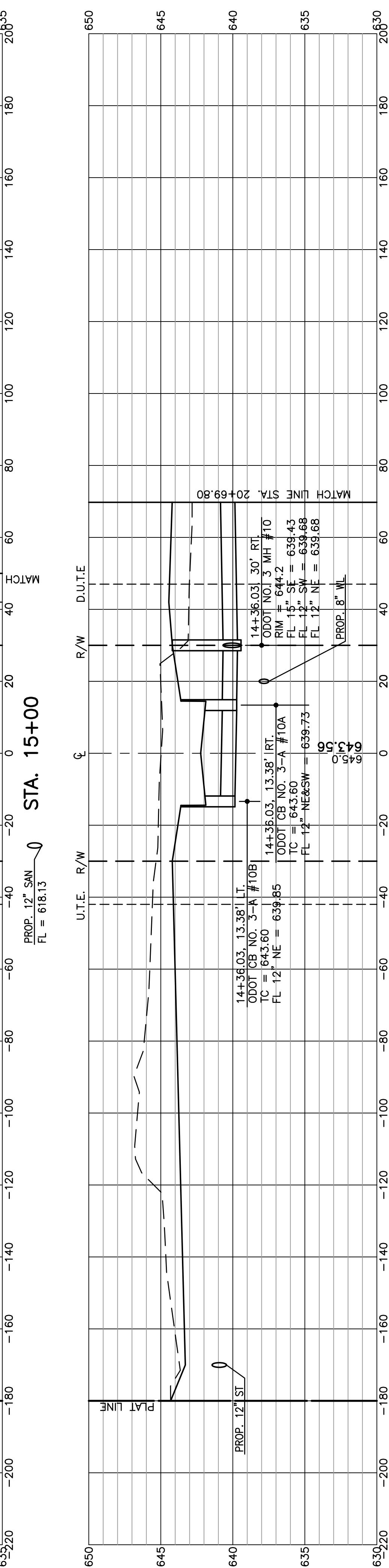
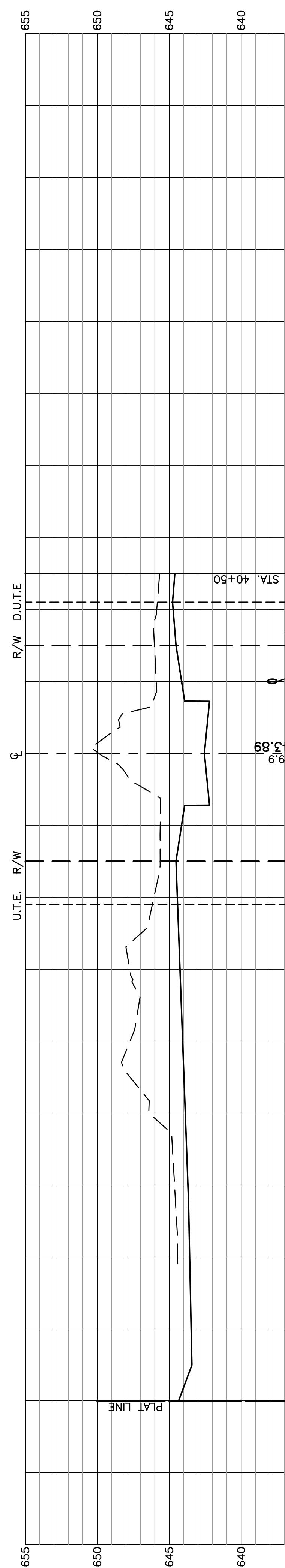
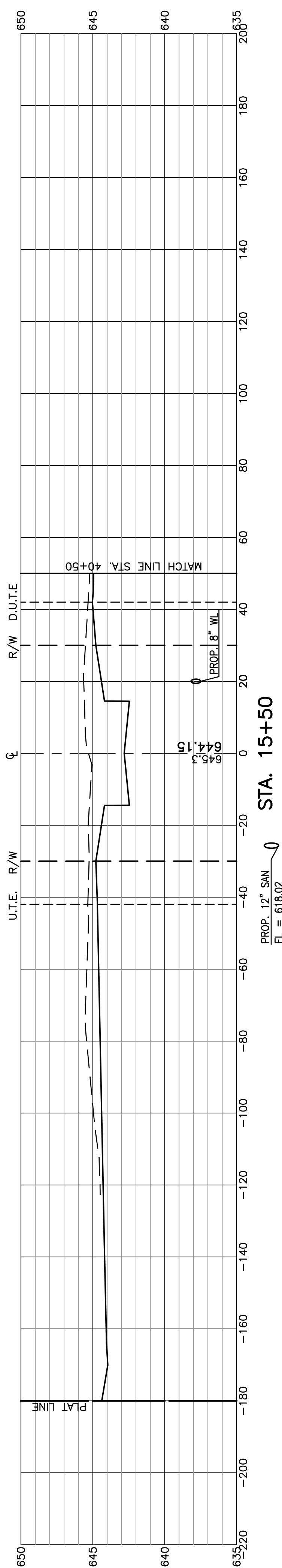
LINE DATA		
LINE	BEARING	DISTANCE
L4	N 58°53'59" E	198.70'
L5	S 89°22'40" E	261.34'

NOTE: ORIENT THE STRAIGHT SIDE OF THE DOME SECTION AWAY FROM THE STREET CENTERLINE FOR ALL MANHOLES. IF FLAT SLAB TOP IS USED, ORIENT MANHOLE LID AWAY FROM SIDEWALK.

### SUGAR MAPLE DRIVE







## **PAVEMENT AND DRAINAGE**

## CROSS SECTIONS

## **SUNSET MAPLE DRIVI**

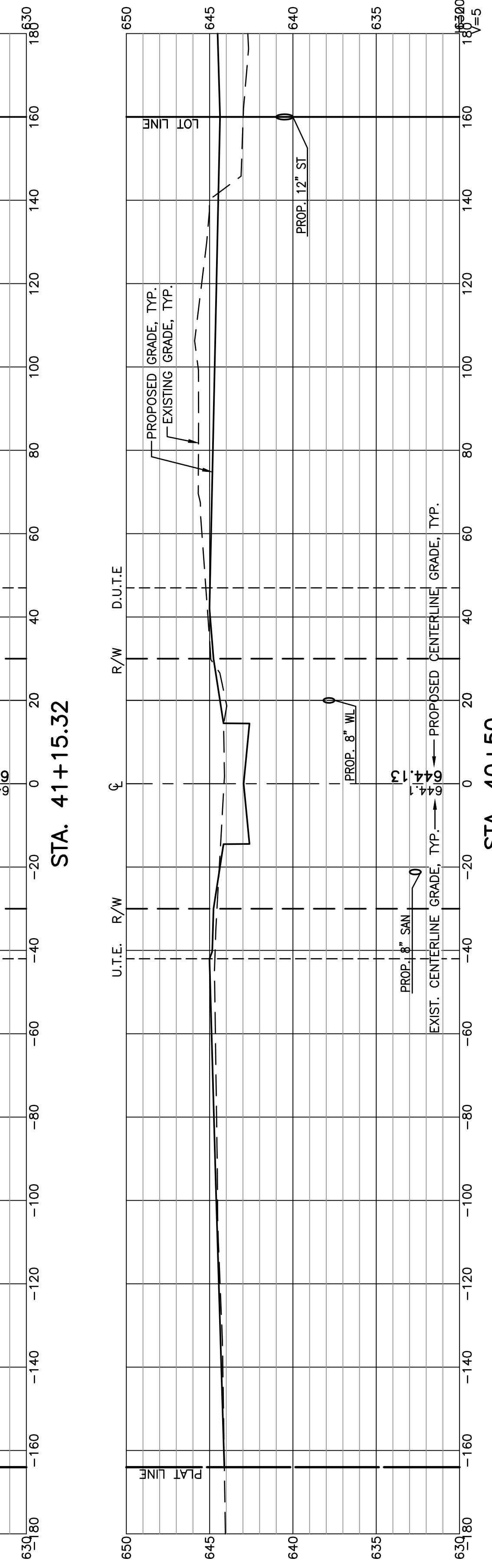
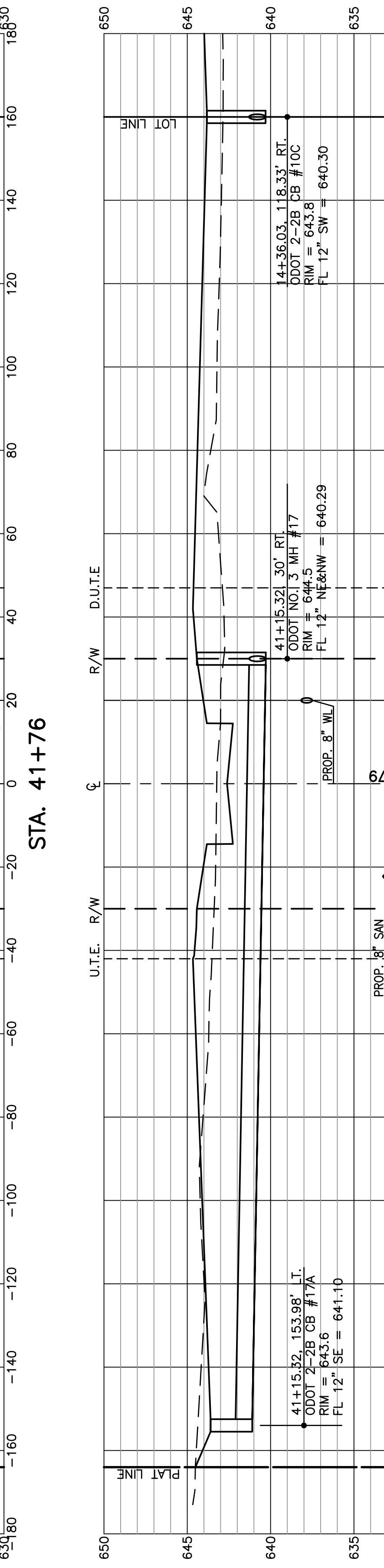
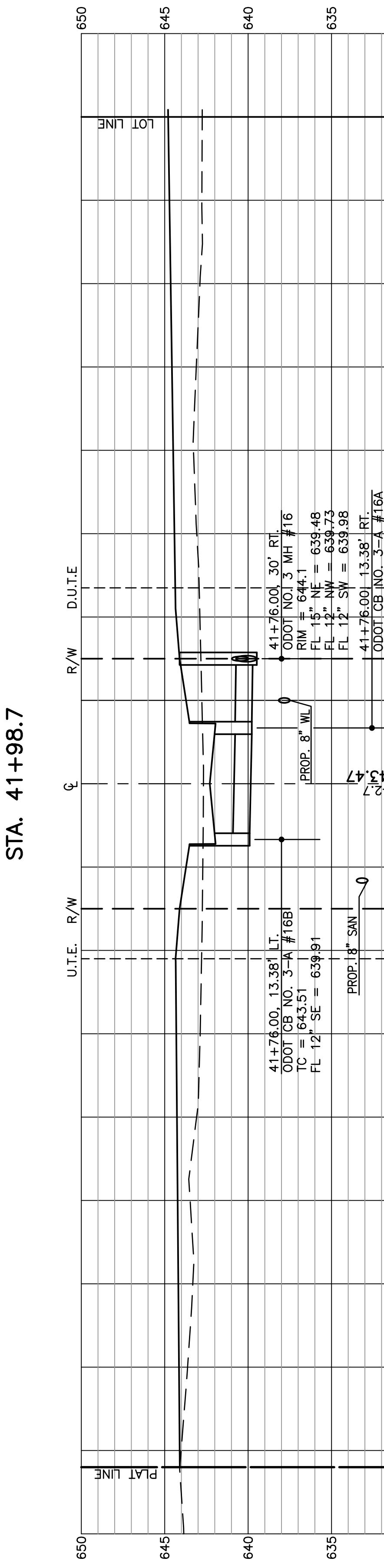
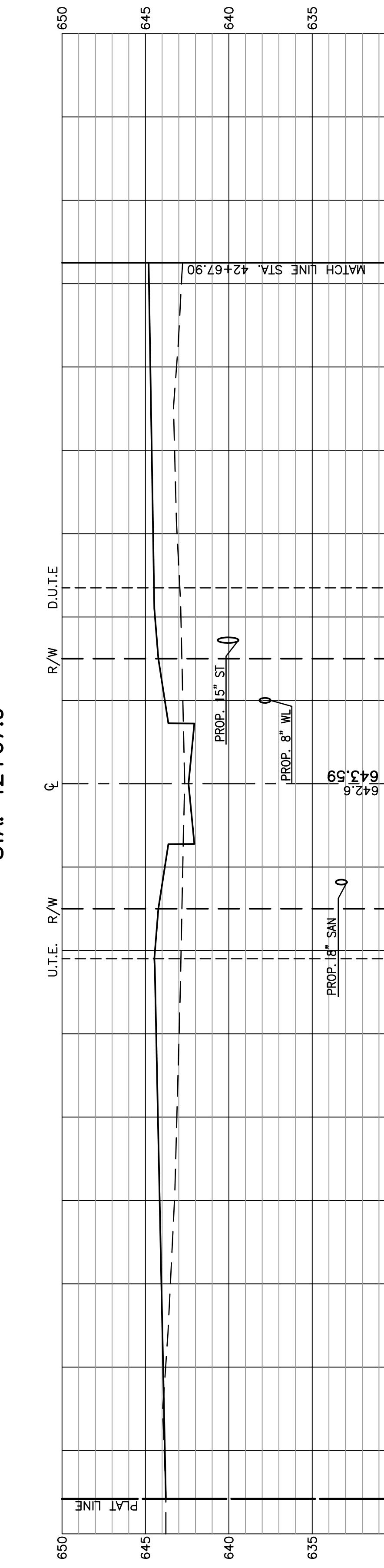
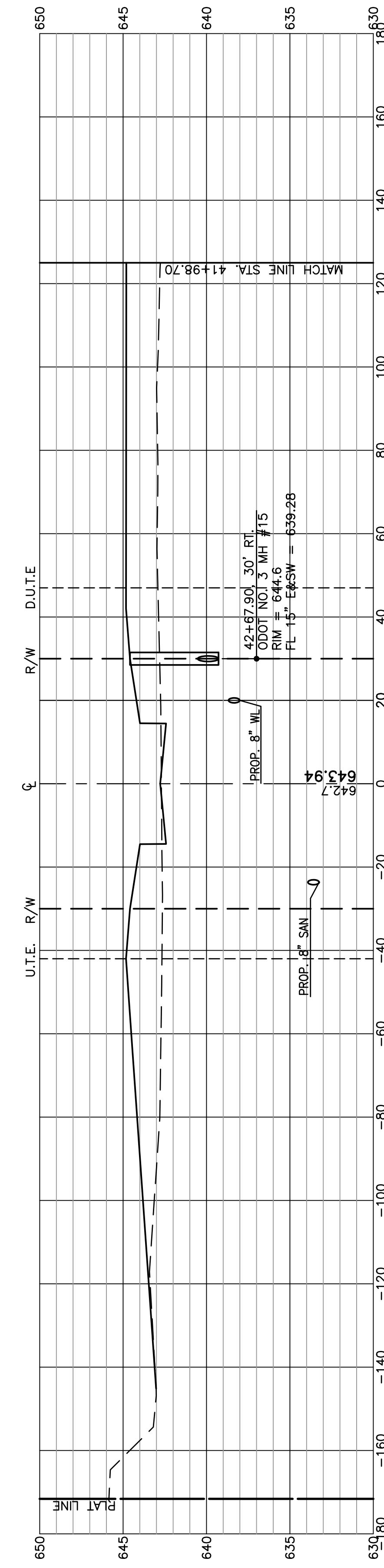
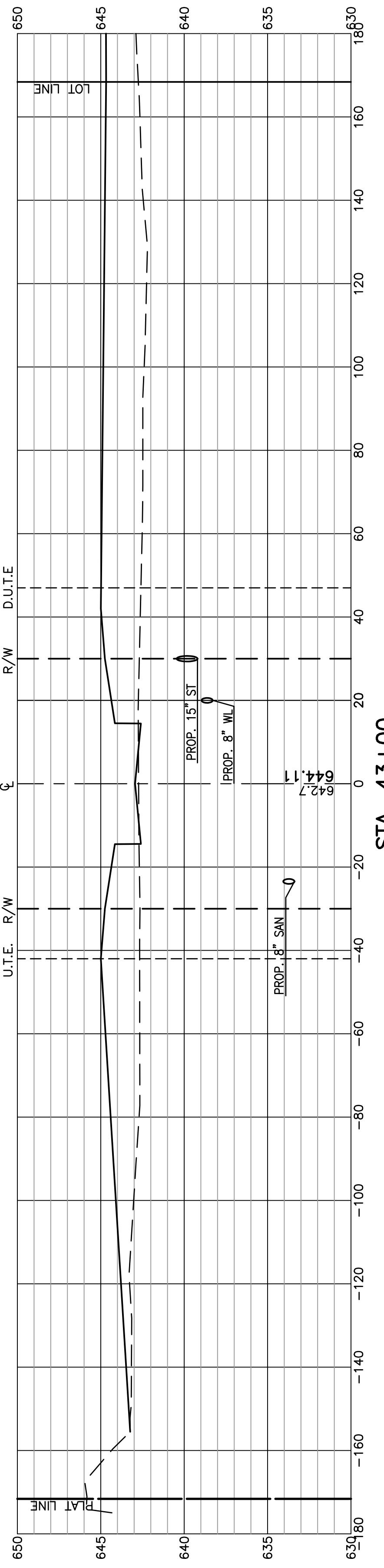
THE VILLAGE AT RIVERBEND PLAT SEVEN

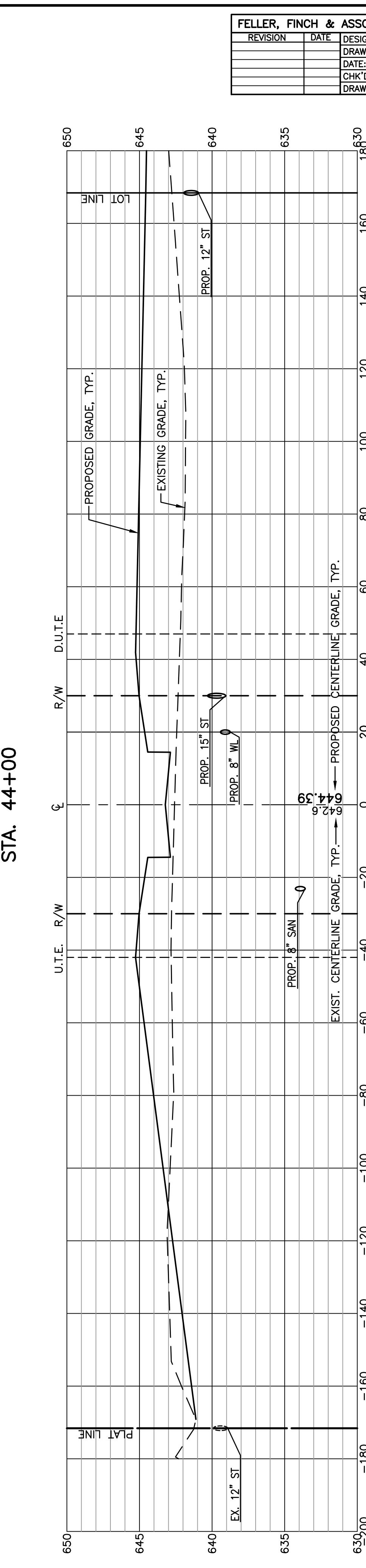
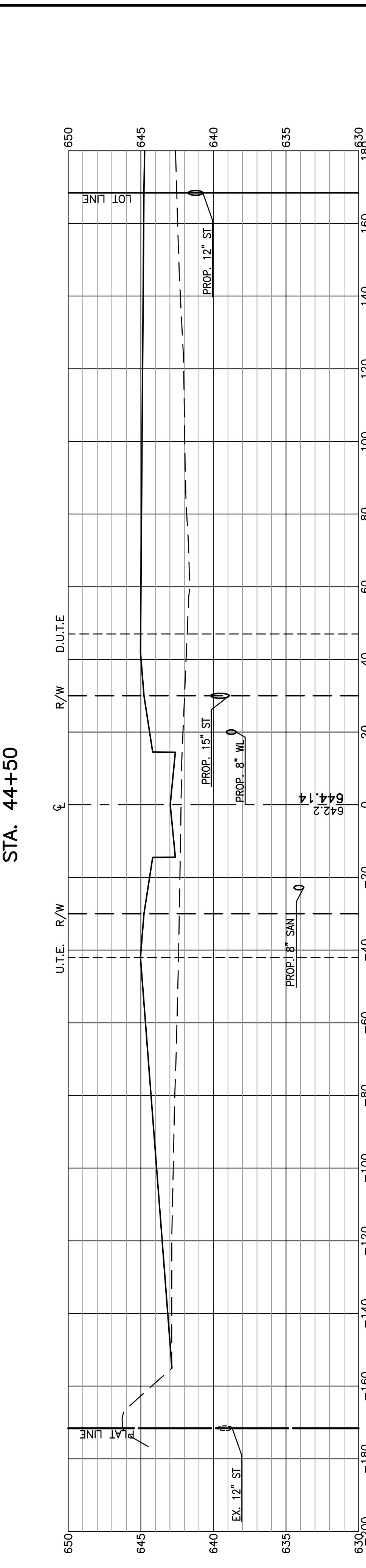
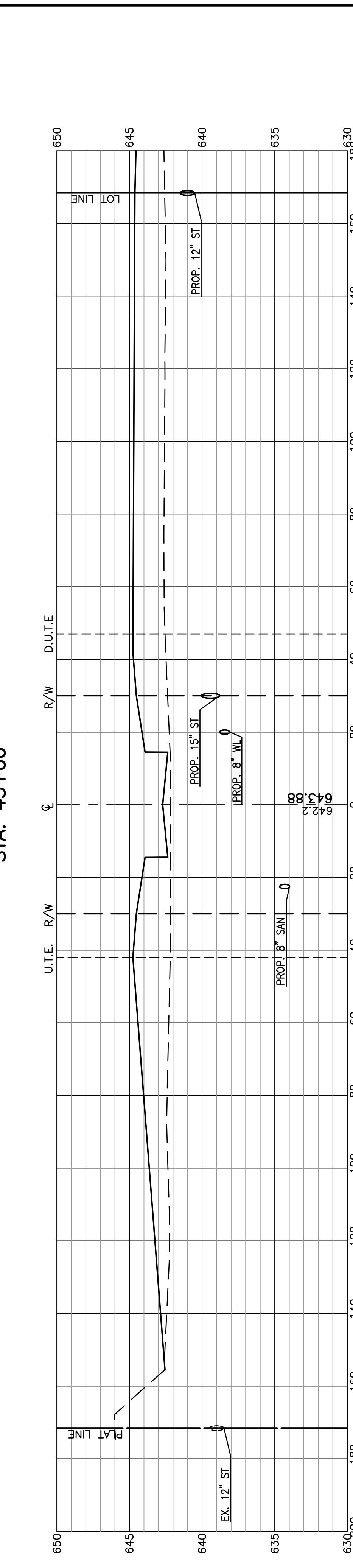
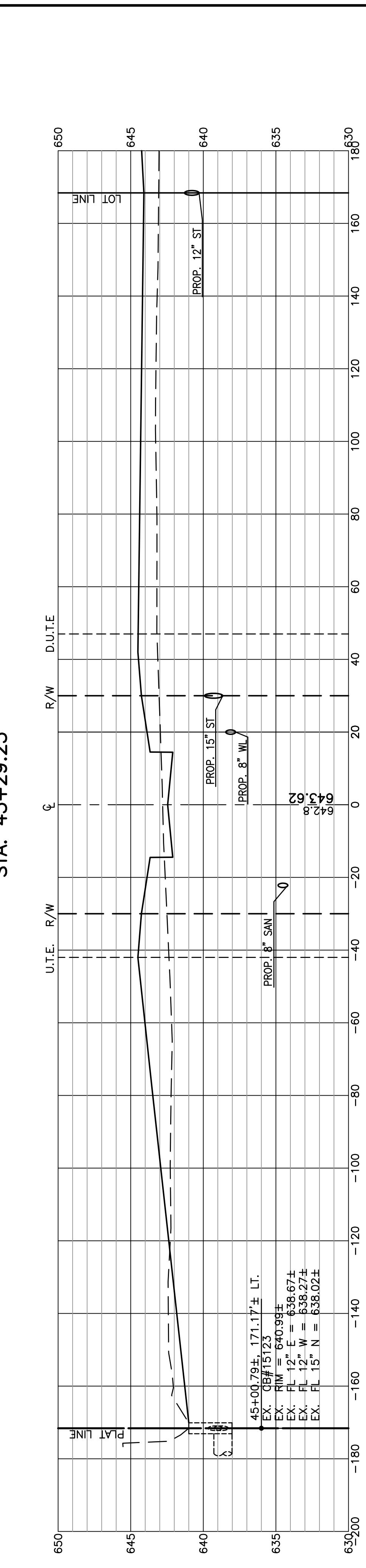
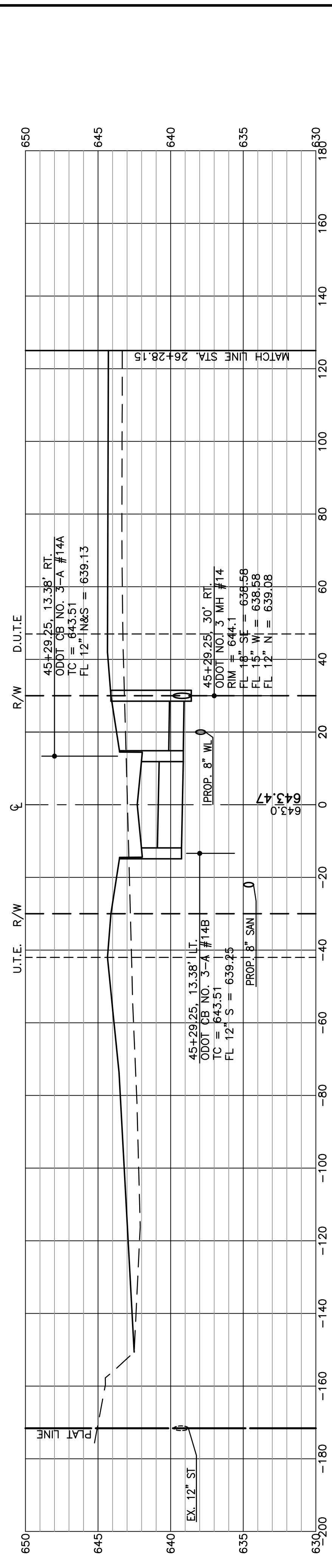
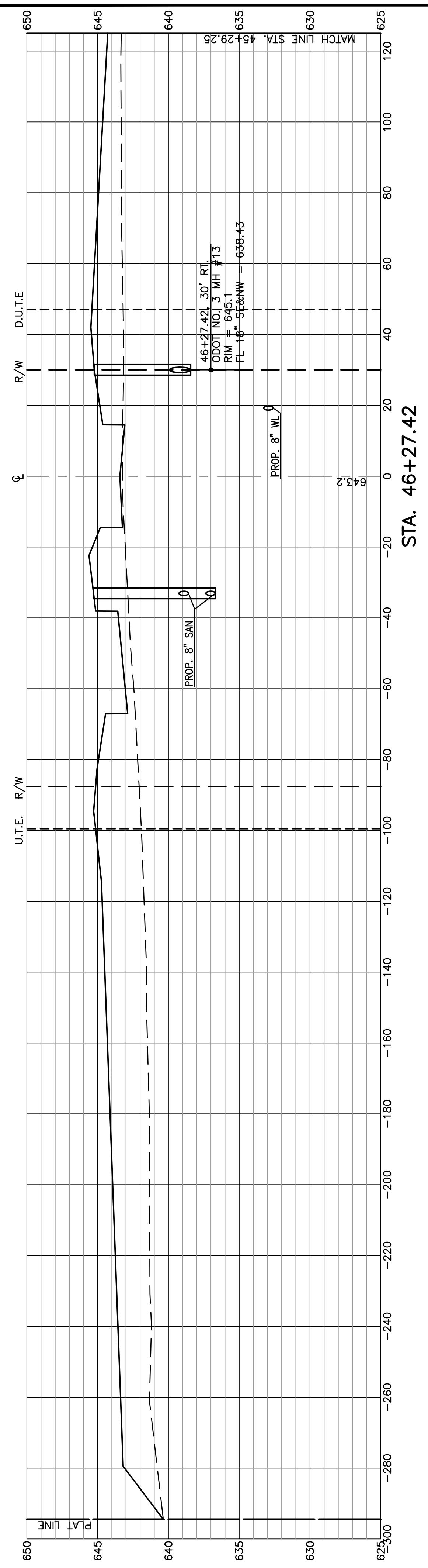
12  
16

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<b>FELLER, FINCH &amp; ASSOCIATES, INC.</b>			
<b>REVISION</b>	<b>DATE</b>	<b>DESIGN BY:</b>	CMG
		DRAWN BY:	DEM
		DATE:	5-21-
		CHK'D BY:	GNF
		DRAWING:	10-07849DPC

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## **PAVEMENT AND DRAINAGE**

## CROSS SECTIONS

**SUGAR MAPLE DRIVE**

## **THE VILLAGE AT RIVERBEND PLAT SEVEN**

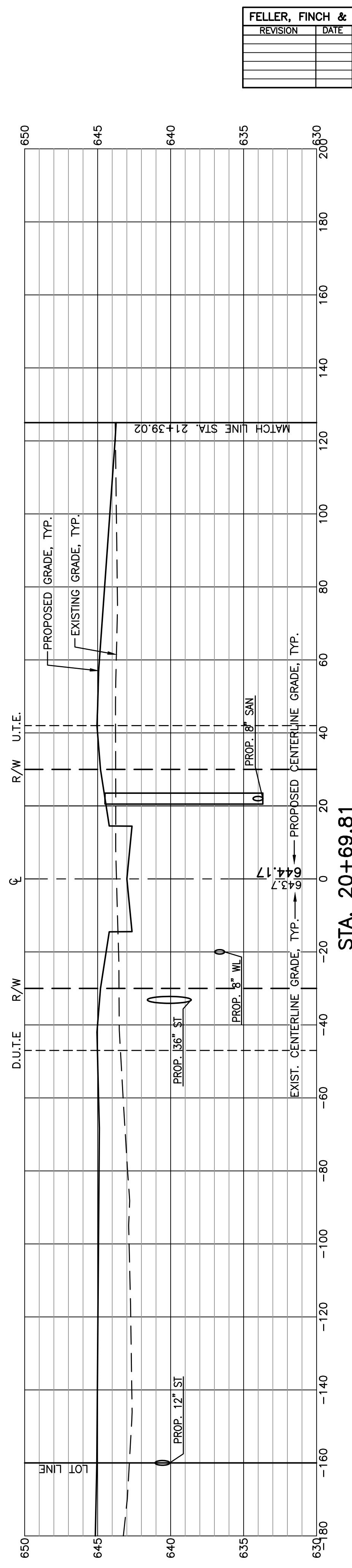
14  
16

10E07849 © 20

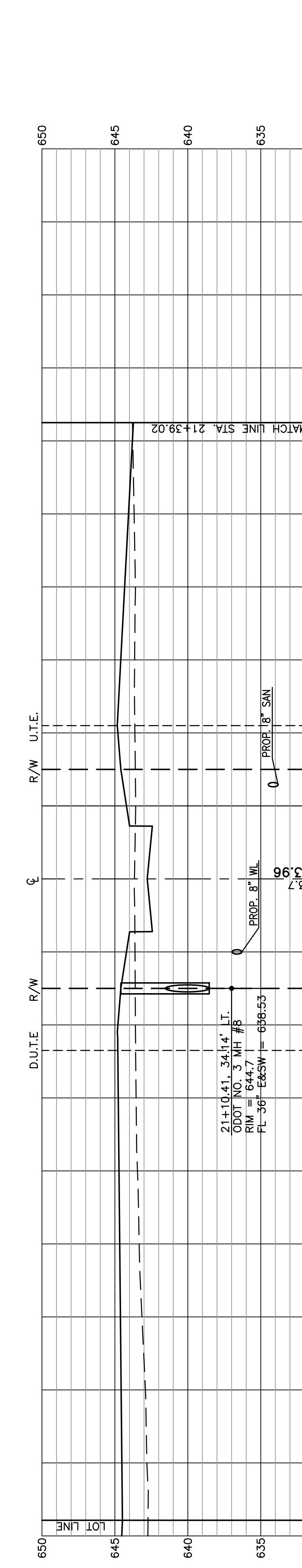
SEVEN

FELLER, FINCH & ASSOCIATES, INC.			
REVISION	DATE	DESIGN BY:	CMG
		DRAWN BY:	DEM
		DATE:	5-21-21
		CHK'D BY:	GNF
		DRAWING:	10-07849DP07A1

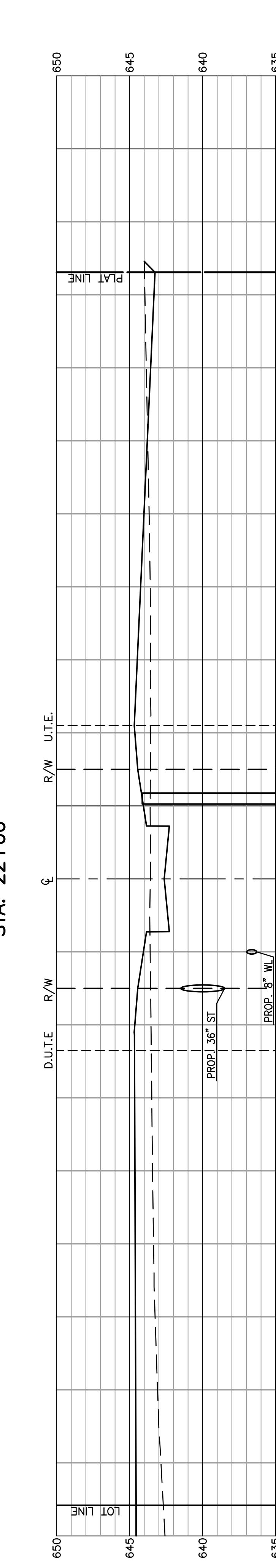
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 CHKD BY: GNF  
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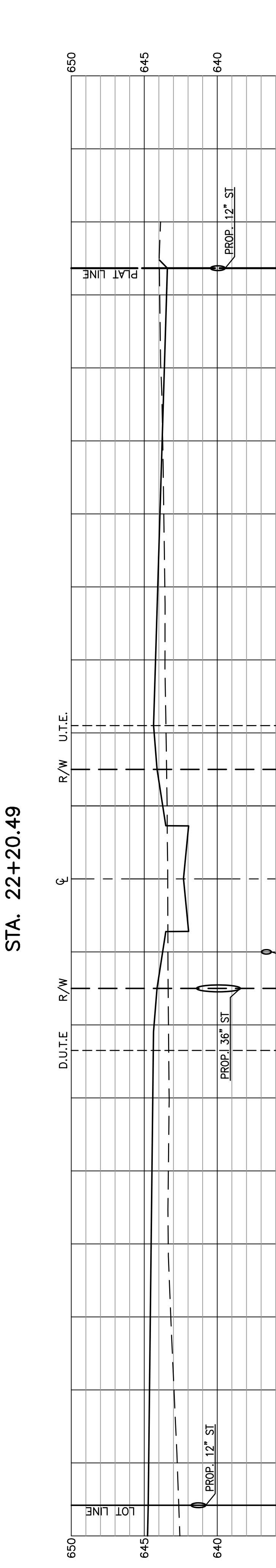
MATCH LINE STA. 21+39.02



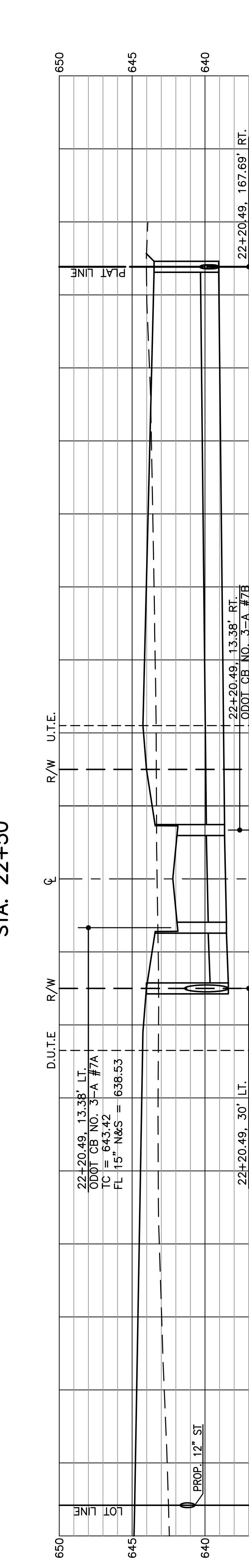
MATCH LINE STA. 21+39.02



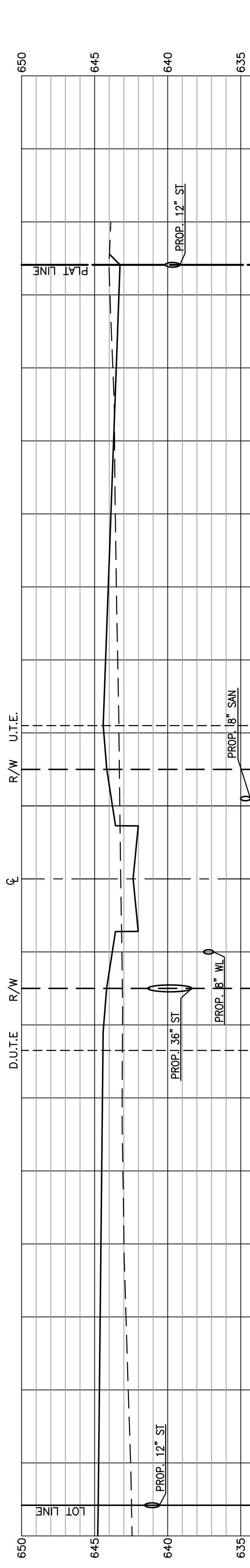
MATCH LINE STA. 21+39.02



MATCH LINE STA. 21+39.02



MATCH LINE STA. 21+39.02



MATCH LINE STA. 21+39.02

