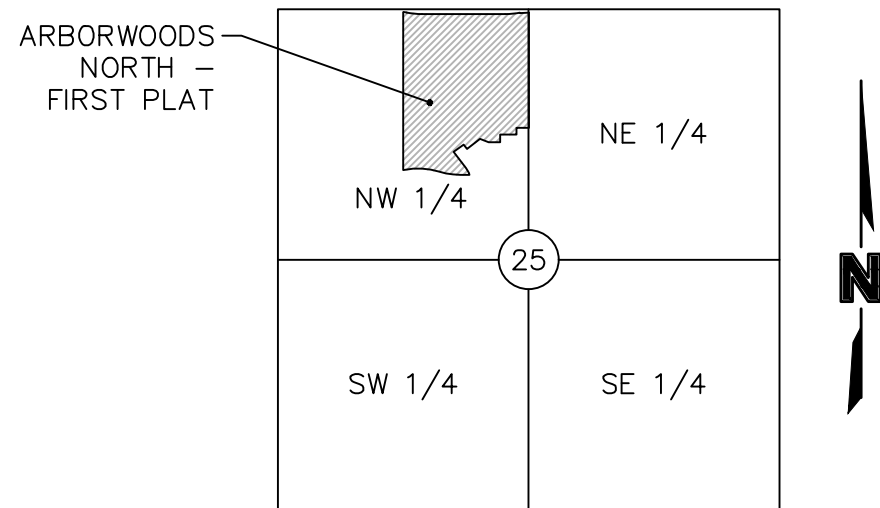


SECTION 25, TOWNSHIP 47 N., RANGE 32 W.
IN LEE'S SUMMIT, JACKSON, MO

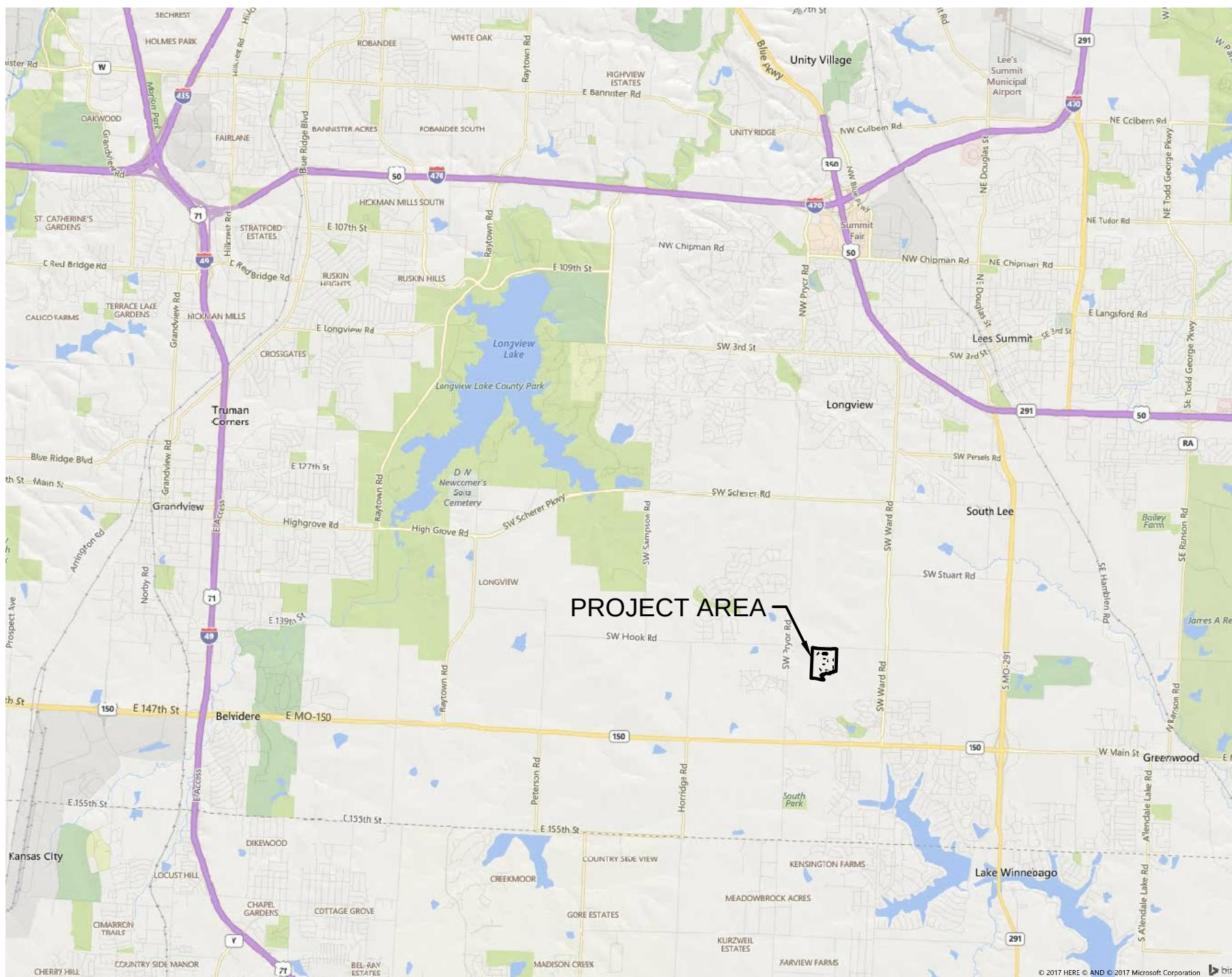


LOCATION MAP
Sec. 25, Twp. 47 N., Rge. 32 W.
(N.T.S.)

☐	NOT FOR CONSTRUCTION
☐	REVIEWED FOR CONSTRUCTION

DEVELOPMENT TEAM CONTACT INFORMATION		
CIVIL ENGINEER		
MELISSA G DEGONIA, P.E. OLSSON ASSOCIATES	1301 BURLINGTON, SUITE 100 NORTH KANSAS CITY, MO 64116 TEL: 816.587.4320 FAX: 816.587.1393 MDEGONIA@OLSSONASSOCIATES.COM	
OWNER/DEVELOPER		
DAVID PRICE CWH PARKS, INC. D/B/A SUMMIT CUSTOM HOMES	120 SE 30TH ST LEE'S SUMMIT, MO 64082 TEL: 816.246.6700 DAVID@SUMMITCUSTOMHOMESKC.COM	

UTILITY SERVICE NUMBERS	
LEE'S SUMMIT PUBLIC WORKS	816-969-1800
LEE'S SUMMIT WATER & SEWER DEPARTMENT	816-969-1940
MISSOURI GAS ENERGY	816-756-5252
AT&T	800-286-8313
KCP&L	816-471-5275
TIME WARNER CABLE	816-358-5360
GOOGLE FIBER	877-454-6959



A tract of land in the NorthwestQuarter of Section 25, Township 47 North, Range 32 West of the 5th Principal Meridian in Lee's Summit, Jackson County, Missouri being bounded and described as follows: Commencing at the center of said Section 25; thence North 02°18'36" East, along the West line of said Northwest Quarter, 1,392.58 feet to the Point of Beginning of the tract of land to be herein described; thence North 87°41'24" West, 130.00 feet; thence South 02°18'36" West, 72.00 feet; thence North 87°41'24" West, 175.00 feet; thence South 02°18'36" West, 78.00 feet; thence North 87°41'24" West, 121.73 feet; thence North 65°30'07" West, 95.33 feet; thence South 54°57'38" West, 175.90 feet; thence North 35°02'22" West, 58.00 feet; thence South 54°57'38" West, 130.00 feet; thence South 35°02'22" East, 216.00 feet; thence South 26°05'21" East, 59.04 feet; thence South 54°57'38" East, 18.27 feet; thence North 87°41'24" West, 95.00 feet; thence North 75°13'24" West, 75.61 feet; thence North 77°26'18" West, 74.74 feet; thence North 73°51'15" West, 80.00 feet; thence North 75°24'39" West, 87.64 feet; thence North 81°26'34" West, 91.19 feet; thence North 87°51'30" West, 91.19 feet; thence South 86°06'14" West, 105.62 feet to a point on the West line of the East half said Northwest Quarter; thence North 02°27'15" East, along said West line, 1,681.30 feet to a point on the South right-of-way line of SW Hook Road, as now established; thence Easterly along said South right-of-way line, along a curve to the right, having an initial tangent bearing of South 02°28'37" East with a radius of 830.00 feet, and an arc distance of 4°08'23" and an arc distance of 33.96 feet; thence Easterly along said South right-of-way line, along a curve to the right, having an initial tangent bearing of South 02°28'37" East with a radius of 830.00 feet, and an arc distance of 11°15'17" and an arc distance of 163.04 feet; thence South 87°35'31" East, continuing along said South right-of-way line, 873.16 feet; thence Easterly continuing along said South right-of-way line, along a curve to the left having an initial tangent bearing of South 87°35'30" East with a radius of 830.00 feet, a central angle of 10°48'20" and an arc distance of 156.53 feet; thence South 87°45'42" East, continuing along said South right-of-way line, 95.80 feet to a point on said East line; thence South 02°18'36" West, along said East line, 1,210.33 feet to the Point of Beginning. Containing 1,939,986 square feet or 44.54 acres, more or less.

RR SPIKE IN SOUTH FACE OF POWER POLE ON NORTH SIDE OF SW. HOOK ROAD, IMMEDIATELY WEST OF DRIVEWAY FOR HOUSE#1622. ELEVATION= 1024.63'

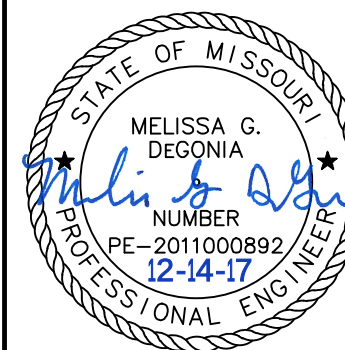
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Date _____

Date _____

MO# 2011000892

The Policy of the "Plan Preparation Criteria and Procedure" and Policy Document No. 880544 "As-Built Drawings for Sewer Built by Permit" stipulate the following regarding "as-built" drawings: 1. Drawings are to be provided within thirty (30) days after the date the "Request for As-Built's" letter is issued by the City to the contractor. 2. Drawings must be accepted by the City before any service connections will be allowed. 3. Drawings are part of the permit obligations making them the responsibility of the permittee. 4. The cost of preparing "as-built" drawings shall be included in the performance bond.

[illegible]

TITLE SHEET

HOOK ROAD IMPROVEMENTS PLAN

HAWTHORN RIDGE
1ST PLAT

LEE'S SUMMIT MO

drawn by: _____ D.A.H.
checked by: _____ M.G.D.
designed by: _____ P.M.
QA/QC by: _____ K.S.
project no.: _____ 017-018
date: _____ 03.03.201

SHEET
C301

GENERAL NOTES:

1. THE CONSTRUCTION COVERED BY THESE PLANS SHALL CONFORM TO THE LEE'S SUMMIT, MISSOURI DESIGN AND CONSTRUCTION MANUAL AS ADOPTED BY ORDINANCE 5813. WHERE DISCREPANCIES EXIST BETWEEN THESE PLANS AND THE DESIGN AND CONSTRUCTION MANUAL, THE DESIGN AND CONSTRUCTION MANUAL SHALL PREVAIL.
2. ALL MANHOLES, CATCH BASINS, UTILITY VALVES, AND METER PITS TO BE ADJUSTED OR REBUILT TO GRADE AS REQUIRED.
3. ALL SIGNS (I.E. STREET NAME AND STOP SIGNS) SHALL BE INSTALLED IN ACCORDANCE WITH THE STANDARDS AND SPECIFICATIONS OF THE CITY OF LEE'S SUMMIT, DESIGN AND CONSTRUCTION MANUAL, PRIOR TO SUBSTANTIAL COMPLETION. REFER TO SHEET C134 FOR SIGNAGE DETAILS.
4. THE ASPHALTIC CONCRETE SURFACES ON ALL PERMITTED STREETS SHALL BE VIRGIN MATERIAL.
5. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO CONTROL DOWNSTREAM EROSION AND SILTATION DURING ALL PHASES OF CONSTRUCTION. EROSION CONTROL PLANS AND PROCEDURES SHALL BE IN PLACE PRIOR TO ANY EXCAVATION.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR RECORDING ROCK ELEVATIONS AT 25 FOOT (MAXIMUM) INTERVALS WHERE ENCOUNTERED, AND FURNISHING THIS INFORMATION TO THE DESIGN ENGINEER FOR USE ON "AS-BUILT" PLANS.
7. THE LOCATIONS OF EXISTING UTILITIES AS SHOWN ARE APPROXIMATE. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE LOCATIONS OF ALL EXISTING UTILITIES.
8. NO SUBSURFACE EXPLORATION FOR THE DETERMINATION OF AND/OR THE LOCATION OF EXISTING ROCK HAS BEEN MADE.
9. CONTRACTOR SHALL PROVIDE EARTHWORK AND MATERIAL TESTING TO COMPLY WITH THE STANDARD SPECIFICATIONS OF THE PUBLIC WORKS DEPARTMENT OR AS REQUIRED BY THE CITY'S FIELD REPRESENTATIVE.
10. CONTRACTOR MUST CONTACT PUBLIC WORKS INSPECTIONS AT 816-969-1827 48 HOURS PRIOR TO ANY CONSTRUCTION ACTIVITIES.
11. THE EXISTENCE AND LOCATION OF UNDERGROUND UTILITY PIPES AND STRUCTURES SHOWN ON THESE PLANS WERE OBTAINED BY A SEARCH OF AVAILABLE RECORDS AND TO THE BEST OF OUR KNOWLEDGE CONSTITUTES ALL KNOWN FACILITIES. HOWEVER, THE CONTRACTOR IS REQUIRED TO TAKE DUE PRECAUTIONARY MEASURES TO PROTECT ANY EXISTING UTILITIES OR STRUCTURES LOCATED AT THE WORK SITE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONTACT UNDERGROUND SERVICE ALERT AT 1-800-331-5666 IN ADVANCE OF ANY EXCAVATION FOR THE MARK-OUT OF THE LOCATION OF UTILITIES AND NOTIFICATION OF COMMENCEMENT OF WORK.
12. CONTRACTOR IS REQUIRED TO TAKE PRECAUTIONARY MEASURES TO PROTECT THE UTILITY LINES SHOWN AND ANY OTHER EXISTING LINES NOTE OF RECORD OR SHOWN ON THESE PLANS.
13. CONTRACTOR SHALL CONTACT THE LOCAL BRANCH OF THE UNITED STATES POSTAL SERVICE PRIOR TO DISTURBANCE OF EXISTING MAILBOXES TO COORDINATE MAIL SERVICE TO PROPERTY OWNERS AS NEEDED AND EXACT LOCATION OF NEW MAILBOXES.
14. PRIOR TO ORDERING STRUCTURES, SHOP DRAWINGS SHOULD BE SUBMITTED TO THE ENGINEER FOR REVIEW.
15. OLSSON ASSOCIATES HAS BEEN RETAINED BY THE DEVELOPER TO PROVIDE CONSTRUCTION STAKING FOR THIS PROJECT.
16. DRIVEWAY ACCESS FOR HOUSES ALONG HOOK ROAD SHALL BE MAINTAINED AT ALL TIMES.
17. ALLOWABLE HOURS OF OPERATION SHALL BE BETWEEN 7:00 AM AND 10:00 PM.
18. REMOVAL AND DISPOSAL OF BUSHES AND TREES SMALLER THAN 12" IN DIAMETER SHALL BE CONSIDERED SUBSIDIARY TO THE PRICE BID FOR CLEARING AND GRUBBING.
19. ALL THE ITEMS REMOVED SHALL BE LEGALLY DISPOSED OFF SITE BY THE CONTRACTOR.
20. ALL SIDEWALK AND PAVEMENT TO REMAIN SHALL BE PROTECTED IN PLACE INCLUDING PROTECTION FROM DAMAGE CAUSED BY REMOVAL OF ABUTTING PAVEMENT. CONTRACTOR SHALL SAW CUT WHERE NECESSARY.
21. CONTRACTOR SHALL PROTECT THE PUBLIC AT ALL TIMES WITH FENCING, BARRICADES, ENCLOSURES, ETC. TO THE BEST PRACTICES AND AS APPROVED BY THE ENGINEER AND THE CITY.
22. DAMAGE TO ALL EXISTING CONDITIONS TO REMAIN SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
23. LANDSCAPE AREAS WITHIN LIMITS OF DISTURBANCE SHALL BE CLEARED AND GRUBBED TO A DEPTH OF SIX INCHES.
24. ALL REMOVALS SHALL INCLUDE BUT NOT BE LIMITED TO ITEMS SUCH AS BUILDING FOOTINGS, SUB SURFACE STRUCTURES, SURFACE STRUCTURES, DRAINAGE STRUCTURES, PIPES, PAVEMENT OF ALL TYPES, CURB & GUTTER, SIDEWALK, ROCK, ABANDONED UTILITIES AS DIRECTED BY THE ENGINEER, TREES, TREE ROOTS, AND UNKNOWN MATERIALS, AND UNSUITABLE SUBGRADE MATERIALS.
25. CONTRACTOR TO PROVIDE NEAT SAWCUT LINE WHEN CUTTING EXISTING PAVEMENT.
26. ALL EXCAVATION IS CONSIDERED UNCLASSIFIED INCLUDING ROCK. THERE WILL BE NO ADDITIONAL PAYMENT FOR ROCK EXCAVATION.

SITE DISTURBANCE NOTES:

1. THE INTENT OF THIS EROSION CONTROL PLAN IS TO ASSIST THE CONTRACTOR IN HIS RESPONSIBILITY TO PROVIDE ALL MATERIALS, TOOLS, EQUIPMENT AND LABOR NECESSARY TO CONTROL EROSION, SILTATION AND DISCHARGES OF SOIL MATERIAL (SEDIMENT) INTO DOWNSTREAM SYSTEMS OR RECEIVING CHANNELS. THIS SHALL BE REQUIRED DURING ALL PHASES OF CONSTRUCTION AND UNTIL SUITABLE GROUND COVER IS ESTABLISHED FOR ALL DISTURBED AREAS. IF ANY METHOD OF CONTROL FAILS, THE CONTRACTOR SHALL NOTIFY THE OWNER IMMEDIATELY, SO THAT THE OWNER OR HIS AGENT CAN REVIEW THE CONTRACTOR'S PROPOSED METHOD OF REPAIR.

THIS PLAN INDICATES THE CRITICAL AREA(S) OF CONCERN AND THESE AREA(S) WILL BE CONTROLLED AS A MINIMUM. THE CONTROL MAY CONSIST OF TEMPORARY CONTROL MEASURES AS SHOWN ON THE PLANS OR ORDERED BY THE OWNER DURING THE LIFE OF THE CONTRACT TO CONTROL EROSION OR WATER POLLUTION, THROUGH THE USE OF BERMS, DIKES, DAMS, SEDIMENT BASINS, FIBER MATS, NETTING, STRAW BALES, GRAVEL, MULCHES, GRASSES, SLOPE DRAINS, DIVERSION SWALES OR OTHER EROSION CONTROL DEVICES OR METHODS. THE OWNER HAS THE AUTHORITY TO LIMIT THE SURFACE AREA OF ERODIBLE EARTH MATERIAL EXPOSED BY THE CONSTRUCTION OPERATIONS AND TO DIRECT THE CONTRACTOR TO PROVIDE IMMEDIATE PERMANENT OR TEMPORARY POLLUTION CONTROL MEASURES TO PREVENT CONTAMINATION OF ADJACENT STREAMS OR OTHER WATER COURSES, LAKES, PONDS, OR OTHER AREAS OF WATER IMPOUNDMENT OR CONVEYANCES.

THE TEMPORARY POLLUTION CONTROL PROVISIONS CONTAINED HEREIN SHALL BE COORDINATED WITH ANY PERMANENT EROSION CONTROL FEATURES SPECIFIED ELSEWHERE IN THE CONTRACT TO THE EXTENT PRACTICAL TO ASSURE ECONOMICAL, EFFECTIVE AND CONTINUOUS EROSION CONTROL THROUGHOUT THE CONSTRUCTION AND POST CONSTRUCTION PERIOD.
2. THIS SEDIMENTATION CONTROL PLAN MAKES USE OF THE FOLLOWING APPLICATIONS:
 - ☒ PRESERVATION OF EXISTING VEGETATION
 - ☒ SEDIMENT BARRIERS
 - ☒ SEDIMENT TRAPS
 - ☒ INLET PROTECTION
 - ☐ OUTLET PROTECTION
 - ☐ SOIL RETAINING SYSTEMS
 - ☐ SLOPE DRAINS
 - ☐ SUBSURFACE DRAINS

PHYSICAL DESCRIPTION OF EACH SPECIFIC SEDIMENT CONTROL DEVICE TO BE UTILIZED IS CALLED OUT ON THE PLANS WITH INSTALLATION PROCEDURES, CONSTRUCTION SPECIFICATIONS AND MAINTENANCE ARRANGEMENT AS CALLED FOR ON THE DETAIL SHEET. IN ADDITION TO THE MEASURES SPECIFIED, THE FOLLOWING GENERAL PRACTICES SHALL BE ADHERED TO WHEN APPLICABLE.

A) CLEARING AND GRUBBING WITHIN 50' OF A DEFINED DRAINAGE COURSE SHOULD BE AVOIDED WHEN POSSIBLE. WHERE CHANGES TO A DEFINED DRAINAGE COURSE OCCUR, WORK SHOULD BE DELAYED UNTIL ALL MATERIALS AND EQUIPMENT NECESSARY TO PROTECT AND COMPLETE THE DRAINAGE CHANGE ARE ON SITE. CHANGES SHALL BE COMPLETED AS QUICKLY AS POSSIBLE ONCE THE WORK HAS BEEN INITIATED. THE AREA IMPACTED BY THE CONSTRUCTION ACTIVITIES SHALL BE REVEGETATED OR PROTECTED FROM EROSION AS SOON AS POSSIBLE, AREAS WITHIN 50' OF A DEFINED DRAINAGE WAYS SHOULD BE RECONTOURED AS NEEDED OR OTHERWISE PROTECTED WITHIN FIVE (5) WORKING DAYS AFTER GRADING HAS CEASED.

B) WHERE SOIL DISTURBING ACTIVITIES CEASE IN AN AREA FOR MORE THAN 14 DAYS, THE DISTURBED AREAS SHALL BE PROTECTED FROM EROSION BY STABILIZING THE AREA WITH MULCH OR OTHER SIMILARLY EFFECTIVE EROSION CONTROL MEASURES. IF THE SLOPE OF THE AREA IS GREATER THAN 3:1 OR IF THE SLOPE IS GREATER THAN 3% AND GREATER THAN 150 FEET IN LENGTH, THEN THE DISTURBED AREAS SHALL BE PROTECTED FROM EROSION BY STABILIZING THE AREA WITH MULCH OR OTHER SIMILARLY EFFECTIVE EROSION CONTROL MEASURES IF ACTIVITIES CEASE FOR MORE THAN SEVEN (7) DAYS.

C) EXISTING VEGETATION SHALL BE PRESERVED TO THE EXTENT AND WHERE PRACTICAL. IN NO CASE SHALL DISTURBED AREAS REMAIN WITHOUT VEGETATIVE GROUND COVER FOR A PERIOD IN EXCESS OF 60 DAYS.

D) ADDITIONAL SITE MANAGEMENT PRACTICES WHICH SHALL BE ADHERED TO DURING THE CONSTRUCTION PROCESS SHALL INCLUDE:

SOLID AND HAZARDOUS WASTE MANAGEMENT INCLUDING PROVIDING TRASH CONTAINERS AND REGULAR SITE CLEAN UP FOR PROPER DISPOSAL OF SOLID WASTE SUCH AS BUILDING MATERIAL, PRODUCT/MATERIAL SHIPPING WASTE, FOOD CONTAINERS AND CUPS, AND PROVIDING CONTAINERS FOR THE PROPER DISPOSAL OF WASTE PAINTS SOLVENTS, AND CLEANING COMPOUNDS.

PROVISIONS OF PORTABLE TOILETS FOR PROPER DISPOSAL OF SANITARY SEWAGE.

STORAGE OF CONSTRUCTION MATERIALS AWAY FROM DRAINAGE COURSES AND LOW AREAS.

INSTALLATION OF CONTAINMENT BERMS AND USE OF DRIP PANS AT PETROLEUM PRODUCT AND LIQUID STORAGE TANKS AND CONTAINERS.
3. ALL DISTURBED AREAS SHALL BE SEEDED, FERTILIZED AND MULCHED, IN ACCORDANCE WITH THE STANDARDS AND SPECIFICATIONS ADOPTED BY THE REVIEWING GOVERNING AGENCY AND GOOD ENGINEERING PRACTICES. THIS SHALL BE COMPLETED WITHIN FOURTEEN (14) DAYS AFTER COMPLETING THE WORK, IN ANY AREA. IF THIS IS OUTSIDE OF THE SEEDING PERIOD, SILT BARRIERS OR OTHER SIMILARLY EFFECTIVE MEASURES SHALL BE PROVIDED UNTIL SUCH TIME THAT THE AREAS CAN BE SEEDED.
4. THE CONSTRUCTION COVERED BY THESE PLANS SHALL CONFORM TO ALL CURRENT STANDARDS AND SPECIFICATIONS ADOPTED BY THE REVIEWING GOVERNING AGENCY. THE CONTRACTOR WILL BE RESPONSIBLE FOR DETERMINING ALL ADDITIONAL STANDARDS, SPECIFICATIONS OR REQUIREMENTS WHICH ARE REQUIRED BY GOVERNING AGENCIES (INCLUDING LOCAL, STATE AND FEDERAL AUTHORITIES) HAVING JURISDICTION OVER THE WORK PROPOSED BY THESE CONSTRUCTION DRAWINGS.
5. ALL EROSION CONTROL MEASURES, TEMPORARY OR PERMANENT, REQUIRE MAINTENANCE TO PRESERVE THEIR EFFECTIVENESS. ALL EROSION CONTROL DEVICES SHALL BE INSPECTED IMMEDIATELY AFTER EACH HEAVY RAINSTORM AND AT LEAST DAILY DURING PROLONGED RAINFALL. ANY REQUIRED REPAIRS SHOULD BE MADE IMMEDIATELY. ALL COSTS ASSOCIATED WITH THE REPAIR WORK INCLUDING RELATED INCIDENTALS WILL BE THE CONTRACTOR'S RESPONSIBILITY AND SHALL BE INCLUDED IN THE CONTRACTOR'S BID FOR THE PROPOSED WORK.

ESTIMATE OF QUANTITIES				
ITEM NO.	DESCRIPTION	UNIT	QUANTITY	AS-BUILT
STREET				
1	ASPHALT PAVEMENT	S.Y.	2645	
2	ASPHALT MILL & OVERLAY	S.Y.	1826	
3	CONCRETE PAVEMENT	S.Y.	418	
4	4" SOLID DOUBLE YELLOW STRIPING	L.F.	396	
5	YELLOW DIAGONAL CROSSHATCH STRIPING	S.Y.	814	
6	4" SOLID YELLOW STRIPING	L.F.	2117	
7	6" SOLID WHITE STRIPING	L.F.	3179	
8	4" SOLID WHITE STRIPING	L.F.	400	
9	PAVEMENT MARKING ARROW	EA.	8	
10	15" CMP	L.F.	109	
11	15" CMP END SECTION	EA.	8	
SITE DISTURBANCE				
12	INLET PROTECTION	EA.	5	
13	SILT FENCE	L.F.	1291	
14	ROCK CHECK DAM	EA.	26	
15	TURF REINFORCED MAT	S.Y.	182	
16	STONE CONSTRUCTION ENTRANCE	EA.	1	

SUMMARY OF QUANTITIES AS INDICATED ABOVE AND ANY QUANTITIES AS SHOWN WITHIN THE PLANS HAVE BEEN PROVIDED FOR PERMITTING PURPOSES ONLY AND ARE NOT INTENDED FOR USE IN PREPARATION OF CONTRACT DOCUMENTS. QUANTITIES INTENDED FOR, BUT NOT LIMITED TO, THE PREPARATION OF PROPOSALS AND BID DOCUMENTS SHALL BE INDEPENDENTLY EVALUATED BY THE ESTIMATING PARTY BASED UPON THE CONTENTS OF THESE PLANS.

CONTROL POINT TABLE				
Point Number	Northing	Easting	Point Elevation	Raw Description
800	983674.9350'	2813892.5500'	1016.38'	CP 800
801	983630.4880'	2815280.9210'	1019.74'	CP 801
802	981004.3220'	2812429.0660'	994.50'	CP 802
803	980493.4250'	2815984.1140'	1024.20'	CP 803
902	983638.8300'	2814391.8860'	1021.01'	CP 902



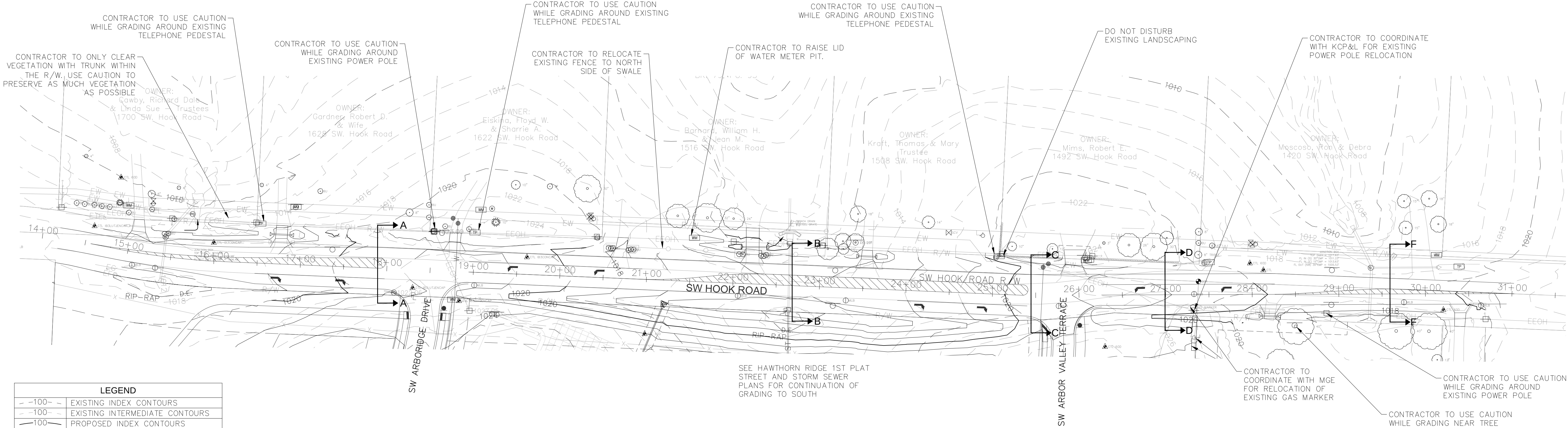
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GENERAL NOTES		2017	
HAWTHORN RIDGE 1ST PLAT		2017	
LEE'S SUMMIT, MO			

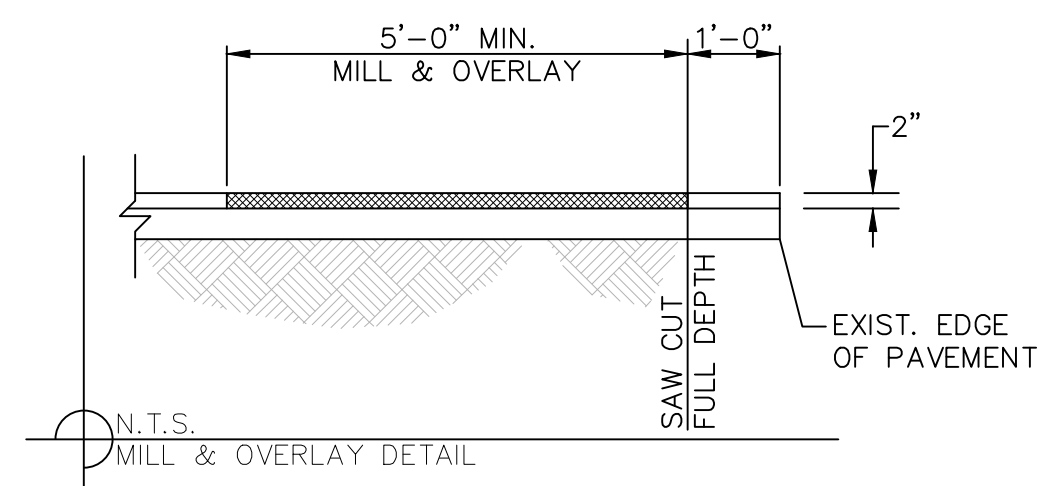
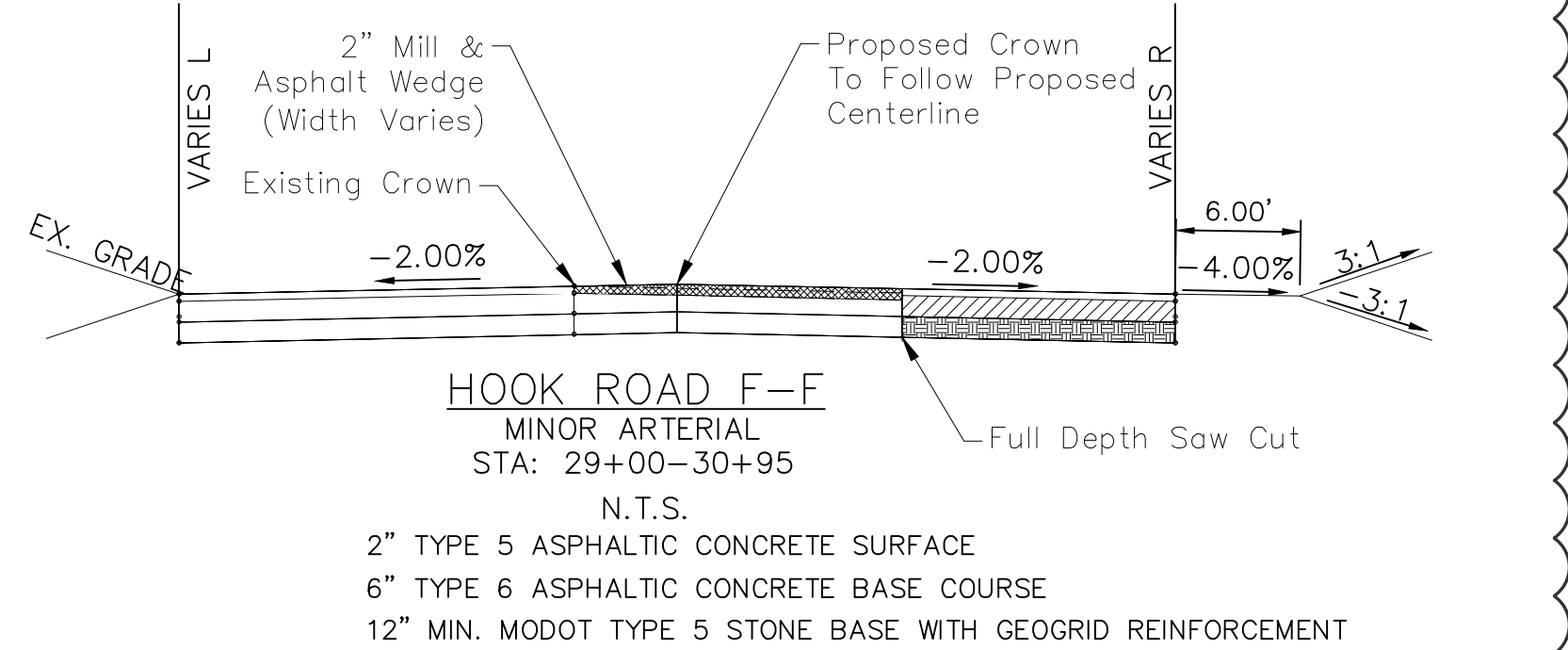
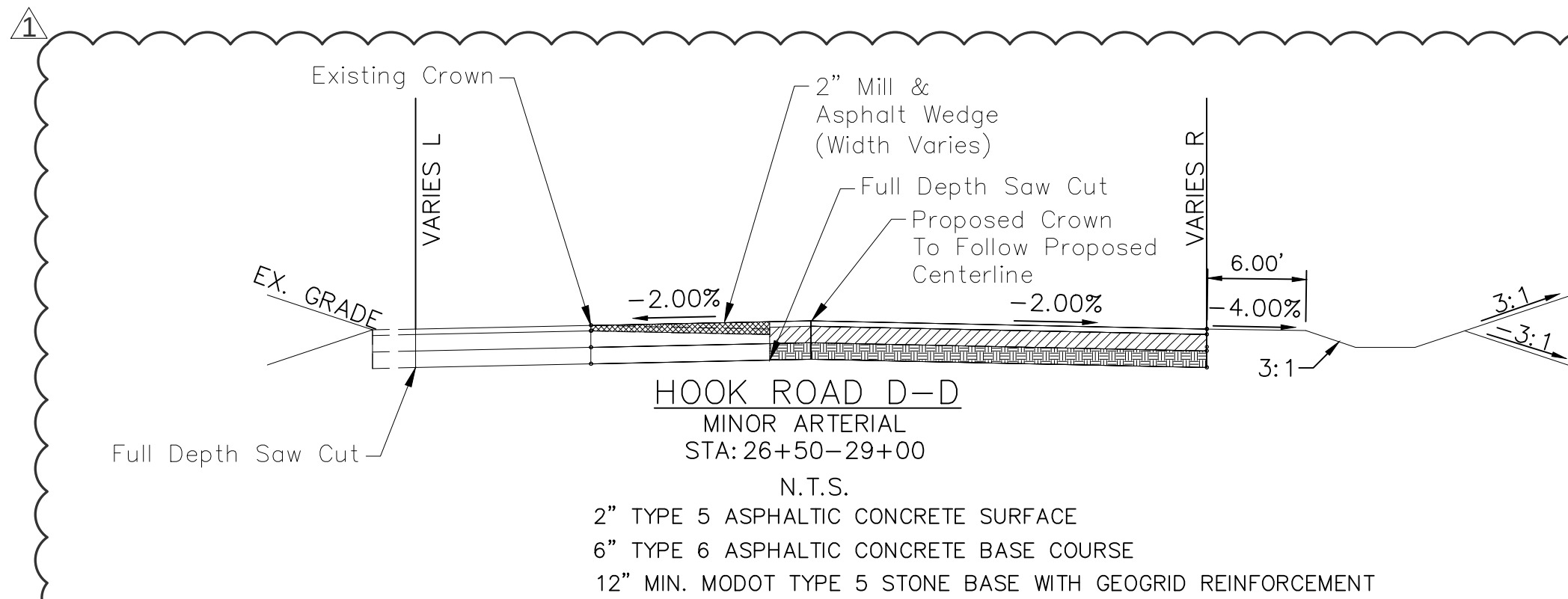
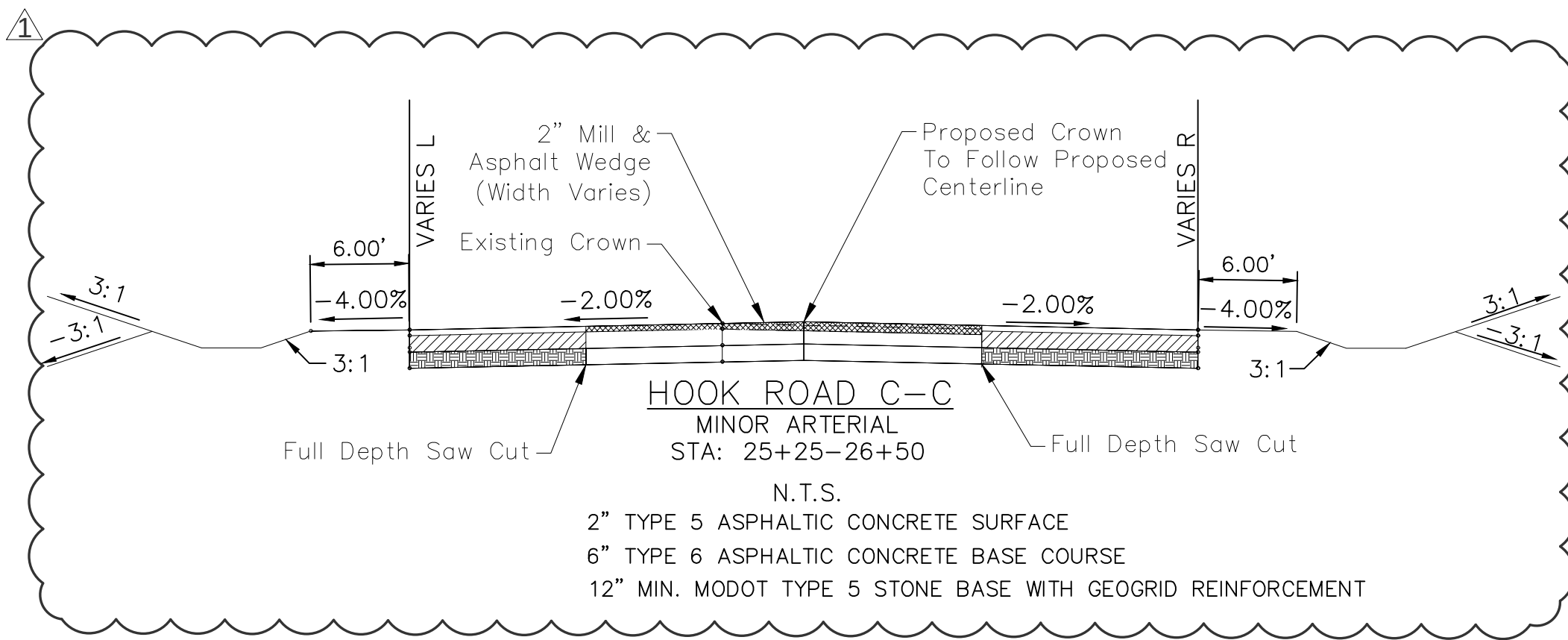
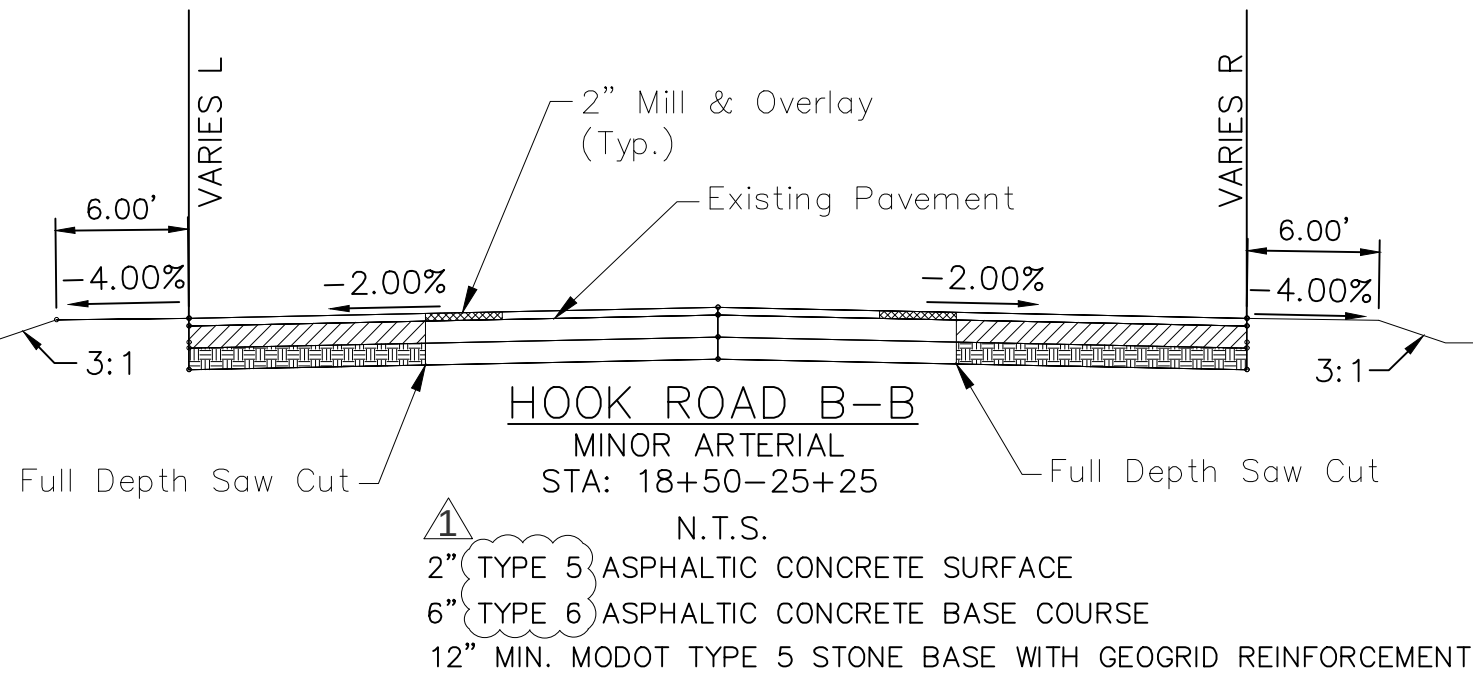
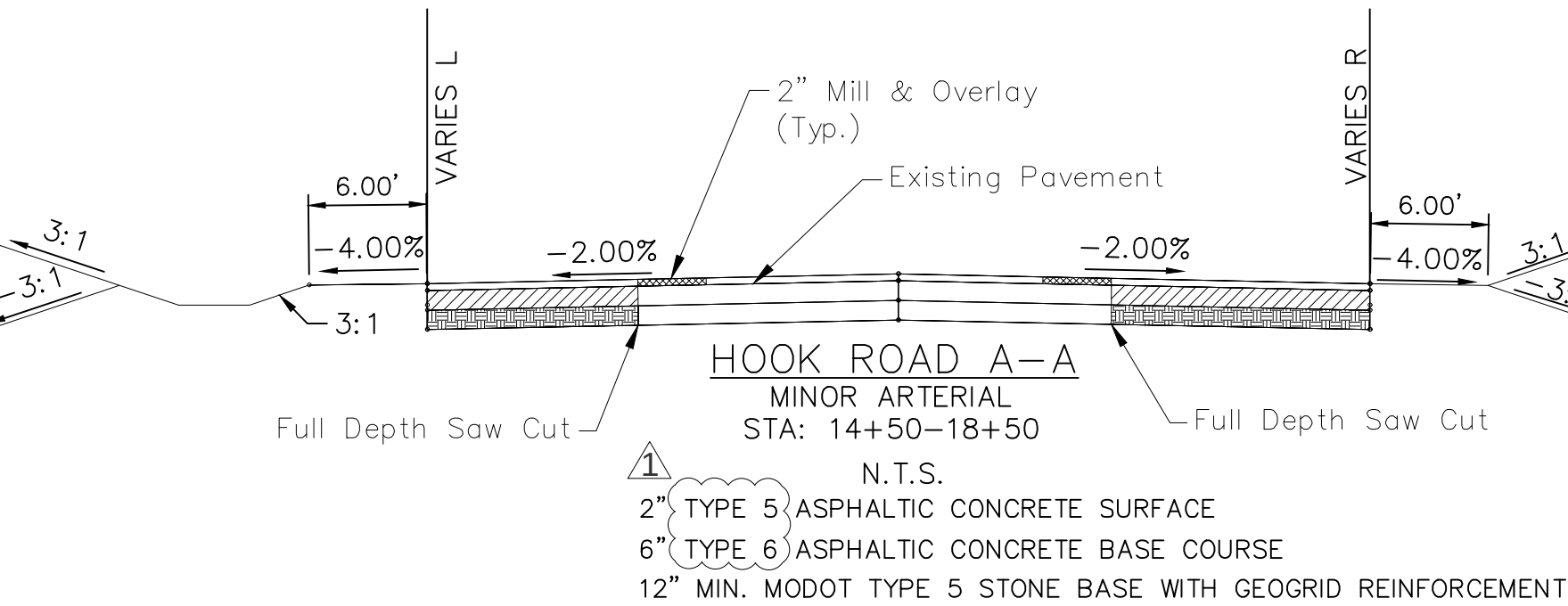
drawn by: D.A.H.O.
checked by: M.G.D.
designed by: P.M.L.
QA/QC by: K.S.J.
project no.: 017-0188
date: 03.03.2017

GENERAL NOTES:

1. GRADING AND SITE PREPARATION SHALL CONFORM TO SECTION 2100 OF THE LEE'S SUMMIT DESIGN AND CONSTRUCTION MANUAL AS ADOPTED BY ORDINANCE 5813. WHERE DISCREPANCIES EXIST BETWEEN THESE PLANS AND THE DESIGN AND CONSTRUCTION MANUAL, THE DESIGN AND CONSTRUCTION MANUAL SHALL PREVAIL.
2. AREAS OF CONSTRUCTION SHALL BE STRIPPED OF ALL VEGETATION, ORGANIC MATTER AND TOPSOIL TO A DEPTH AS RECOMMENDED BY TESTING AGENCY. SOILS REMOVED DURING SITE STRIPPING SHOULD BE EVALUATED TO DETERMINE IF PORTIONS OF THE TOPSOIL STRATUM MAY BE UTILIZED AS STRUCTURAL FILL WITHIN PAVEMENT AREAS. ANY MATERIAL NOT DEMAED AS SUITABLE FILL MATERIAL BY THE TESTING AGENCY SHALL BE REMOVED FROM THE JOB SITE, OR STOCKPILED AND RESPREAD AS TOPSOIL.



LEGEND	
—100—	EXISTING INDEX CONTOURS
—100—	EXISTING INTERMEDIATE CONTOURS
—100—	PROPOSED INDEX CONTOURS
—100—	PROPOSED INTERMEDIATE CONTOURS
—100—	FUTURE INDEX CONTOURS
—100—	FUTURE INTERMEDIATE CONTOURS



- EARTHWORK QUANTITIES NOTES:
1. EARTHWORK QUANTITIES BASED ON FINISHED GRADE SURFACE AND DO NOT INCLUDE ADJUSTMENTS FOR TOPSOIL AND SHRINKAGE.
2. EARTHWORK QUANTITIES DO NOT TAKE INTO CONSIDERATION EXCAVATION, REMOVAL AND DISPOSAL OF MATERIAL DEEMED UNSUITABLE BY A GEOTECHNICAL ENGINEER. THE EARTHWORK CONTRACTOR IS RESPONSIBLE FOR EXCAVATION, REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL AND FOR REPLACING IT WITH SUITABLE MATERIAL.

LOCATION	CUT (C.Y.)	FILL (C.Y.)
TOTAL	1,151	524

ROADWAY AND SWALE DIMENSIONS VARY.
SEE CROSS SECTIONS SHEETS FOR DETAILS.

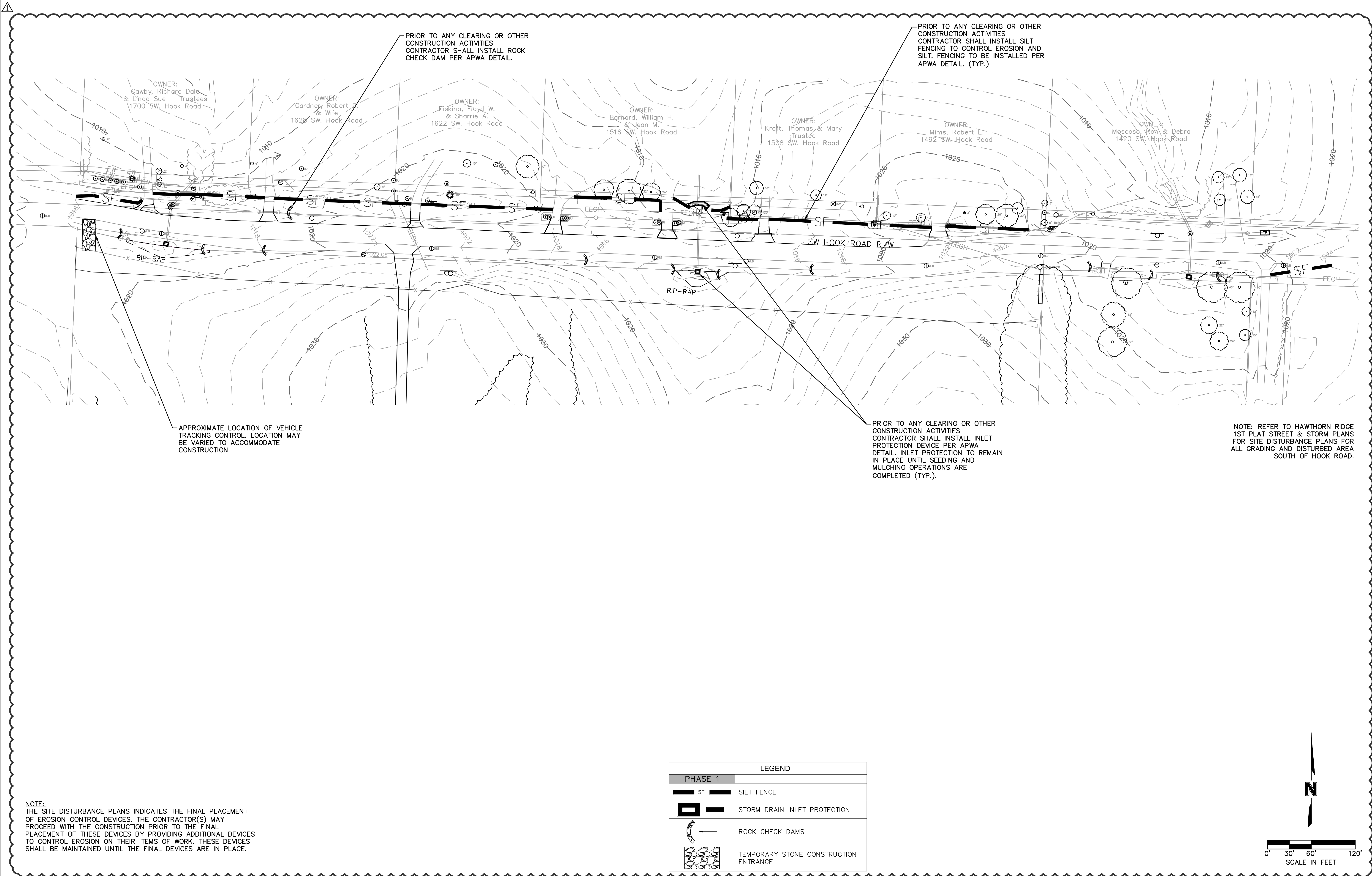
—→ DIRECTION OF FLOW

NO.	REV.	DATE	REVISIONS DESCRIPTION
1		12.13.2017	Typical Sections Revised

NO.	REV.	DATE	REVISIONS DESCRIPTION
1		12.13.2017	Typical Sections Revised

2017

drawn by: D.A.H.O.
checked by: M.G.D.
designed by: P.M.D.
QA/QC by: K.S.P.
project no.: 017-0188
date: 03.03.2017



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STATE OF MISSOURI
MELISSA G. DECONIA
NUMBER
PE-2011000892
2-14-17
PROFESSIONAL ENGINEER

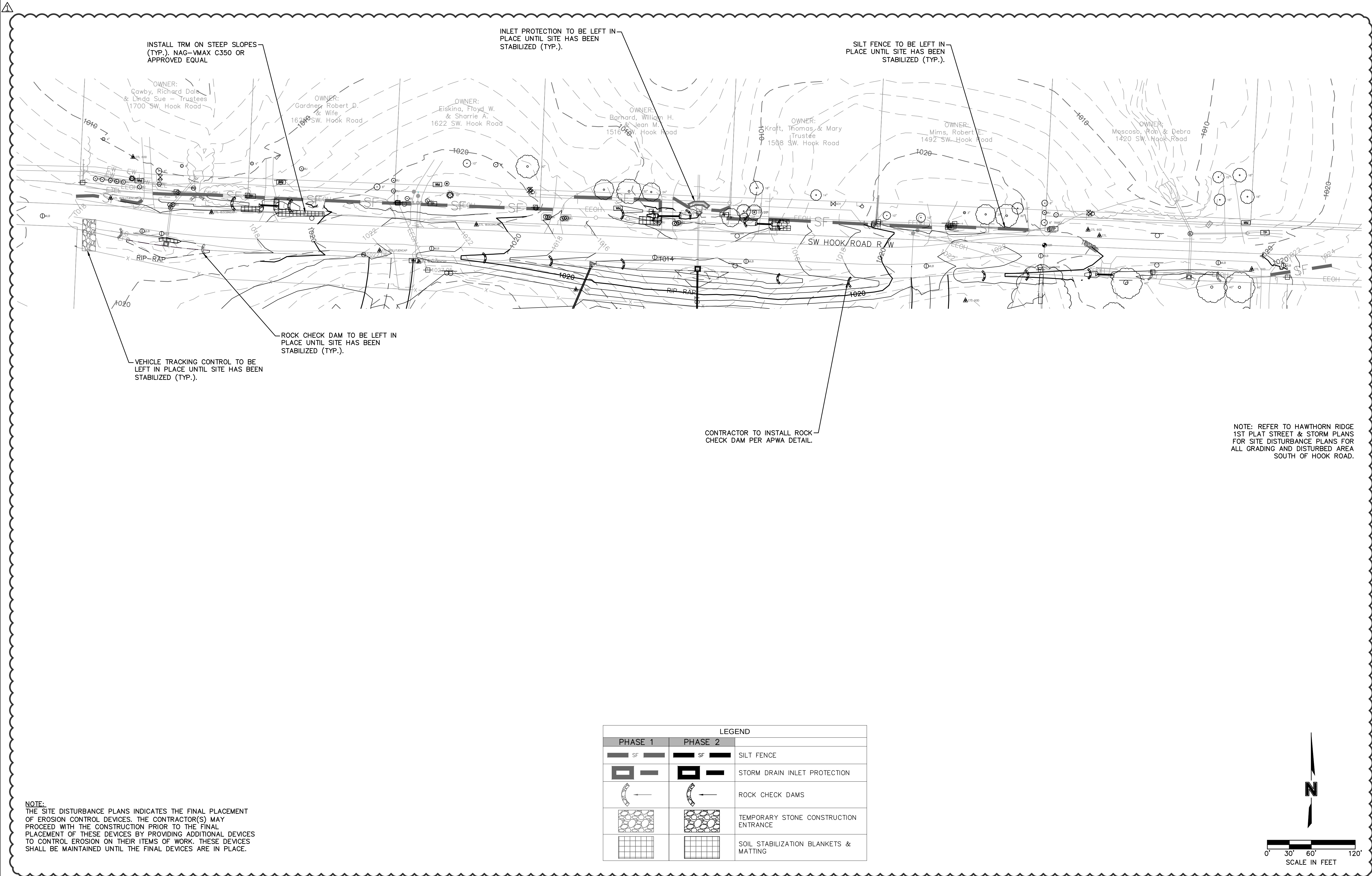
BY	REVISIONS DESCRIPTION	DATE	NO. REV.
	Site Dist. Added Per City Comments	12.13.2017	1

SITE DISTURBANCE PLAN - PHASE 1	2017
HAWTHORN RIDGE 1ST PLAT	
LEE'S SUMMIT, MO	

drawn by: D.A.H.O.
checked by: M.G.D.
designed by: E.M.L.B.
QA/QC by: K.S.L.
project no.: 017-0188
date: 03.03.2017

SHEET
C304

DWG: F:\2017\0001-0500\017-0188\40-Design\AutoCAD\Final Plans\Sheets\GNCV\01_Road Improvements_36x24\C_ERC02_017-0188.dwg
DATE: Dec 13, 2017 9:20am
USER: mdiebolt



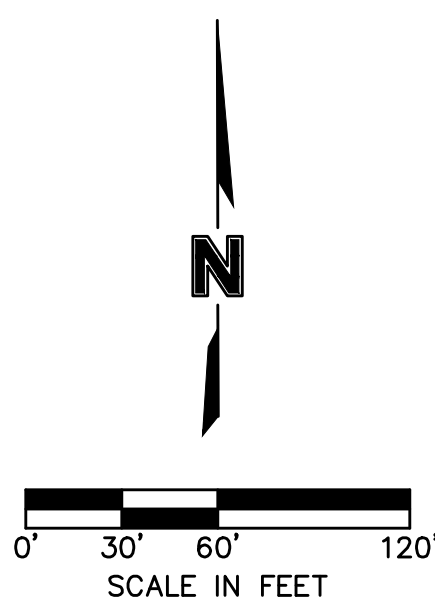
NOTE:
THE SITE DISTURBANCE PLANS INDICATES THE FINAL PLACEMENT OF EROSION CONTROL DEVICES. THE CONTRACTOR(S) MAY PROCEED WITH THE CONSTRUCTION PRIOR TO THE FINAL PLACEMENT OF THESE DEVICES BY PROVIDING ADDITIONAL DEVICES TO CONTROL EROSION ON THEIR ITEMS OF WORK. THESE DEVICES SHALL BE MAINTAINED UNTIL THE FINAL DEVICES ARE IN PLACE.

LEGEND	
PHASE 1	PHASE 2

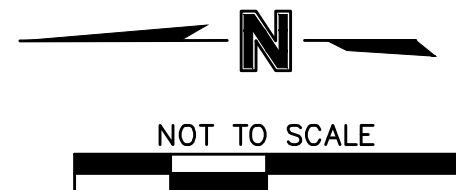
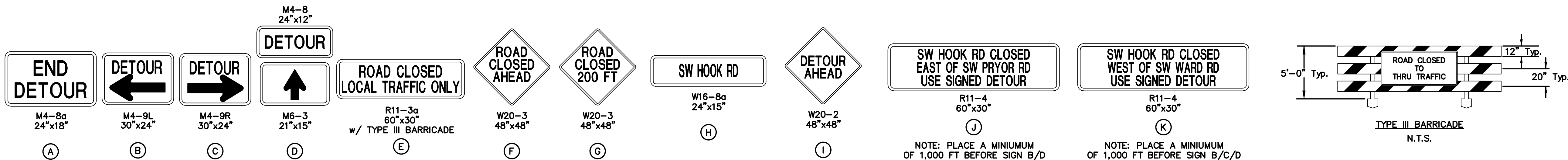
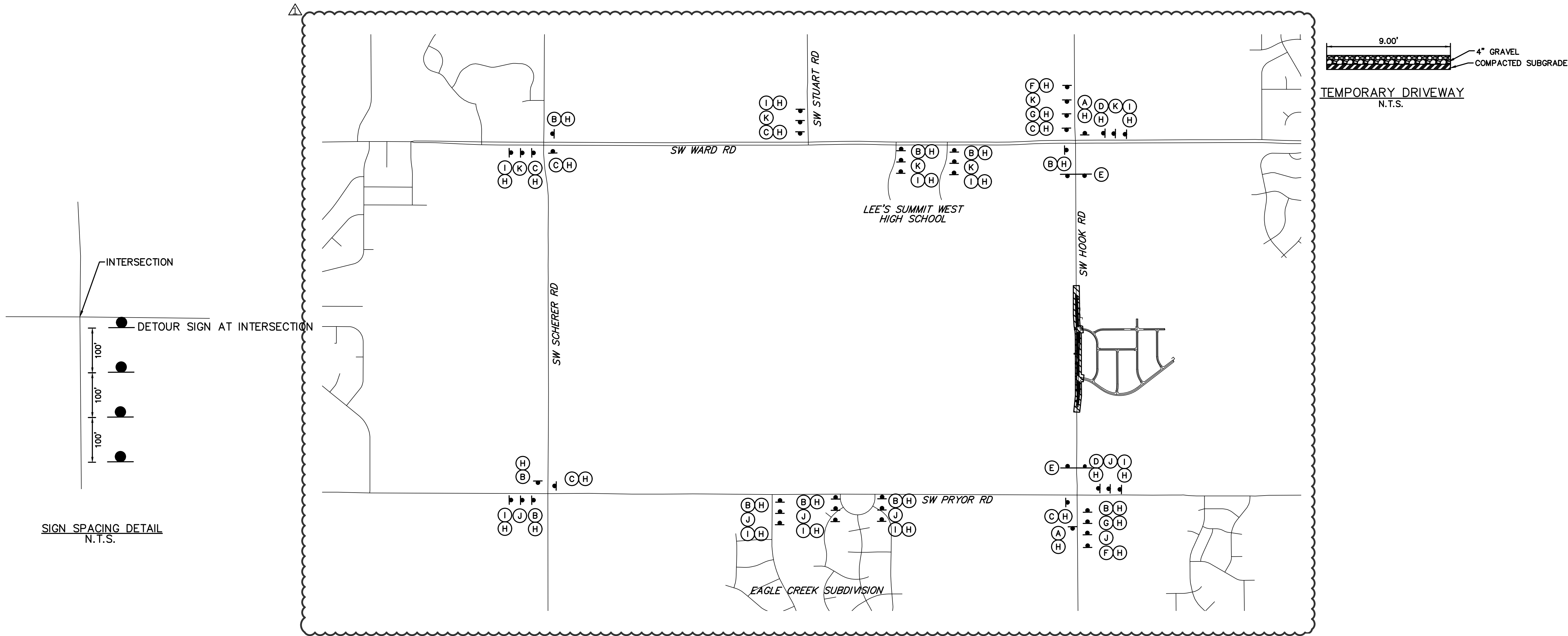
NO.	REV.	DATE	REVISIONS DESCRIPTION
1	A	12.13.2017	Site Dist. Added Per City Comments

SITE DISTURBANCE PLAN - PHASE 2	
HAWTHORN RIDGE 1ST PLAT	
LEE'S SUMMIT, MO	
2017	

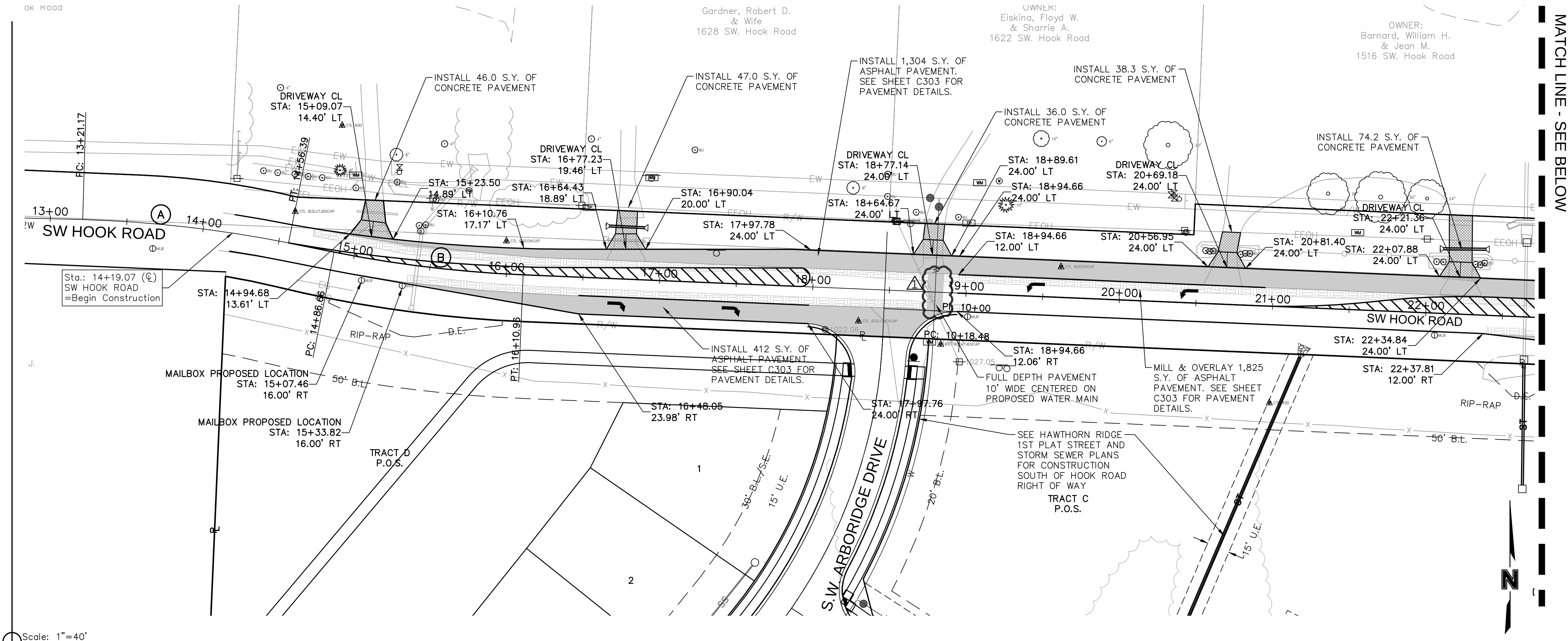
drawn by: D.A.H.O.
checked by: M.G.D.
designed by: E.M.L.B.
QA/QC by: K.S.L.
project no.: 017-0188
date: 03.03.2017



- NOTE: 1. ALL TEMPORARY TRAFFIC CONTROL AND DETOUR SIGNS SHALL BE PLACED ON BREAKAWAY SIGN POSTS.
2. DRIVEWAY ACCESS FOR HOUSES ALONG HOOK ROAD SHALL BE MAINTAINED AT ALL TIMES.
3. SIGNS SHALL BE INSTALLED PER THE LATEST EDITION MUTCD STANDARDS AND GUIDELINES
4. CONTRACTOR SHALL COORDINATE WITH SCHOOL DISTRICT TO MAINTAIN BUS ACCESS.



MATCH LINE - SEE ABOVE

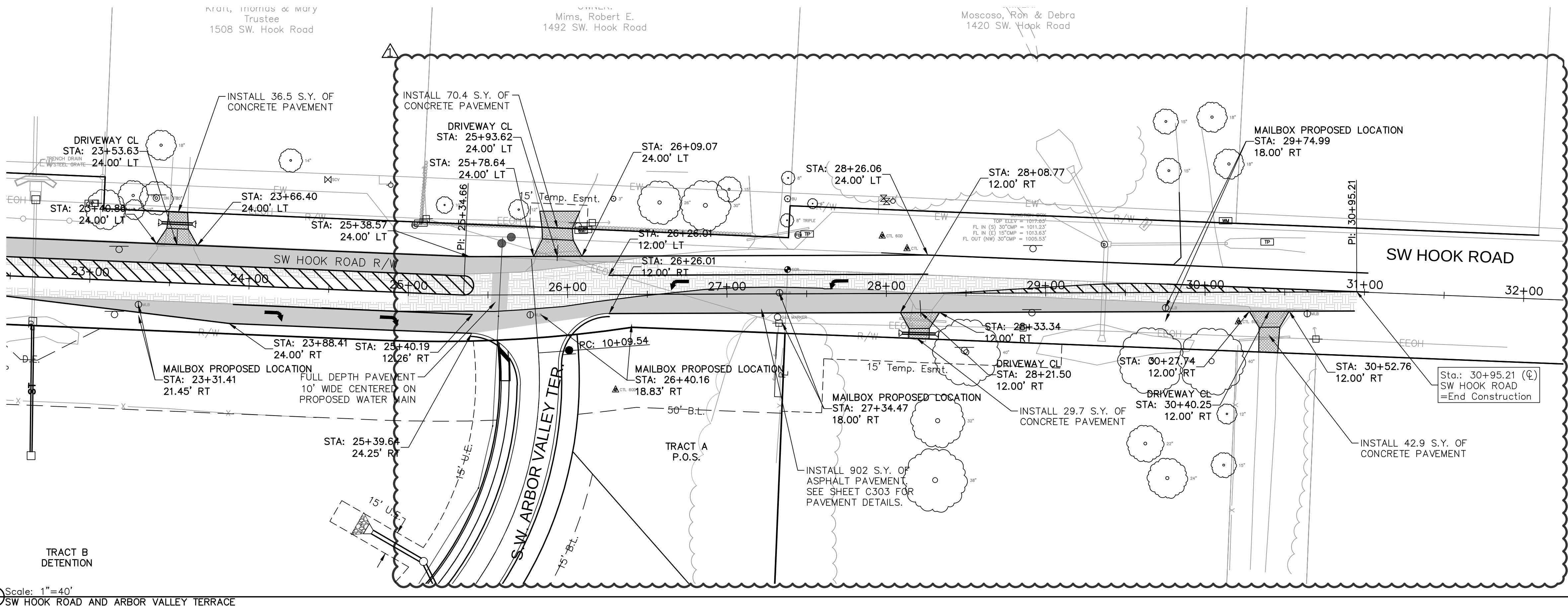


MATCH LINE - SEE BELOW

- CONCRETE PAVEMENT
(6" PORTLAND CEMENT CONCRETE WITH 4" AGGREGATE BASE)
- ASPHALT PAVEMENT
- GRAVEL PAVEMENT
- MILL AND OVERLAY

NOTE: CONTRACTOR TO PROVIDE ACCESS TO PROPERTY OWNERS AT ALL TIMES

CURVE	RADIUS	LENGTH	TANGENT	DELTA	P.I. STA. (BK.)
A	800	133.47	66.89	09°33'34"	13+89.50
B	800	124.30	62.28	08°54'09"	15+48.68



Scale: 1"=40'
SW HOOK ROAD AND ARBOR VALLEY TERRACE

OLSSON ASSOCIATES

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1400 S. Centerville Rd. Suite 100
North Kansas City, MO 64116
TEL 816.897.4320
FAX 816.897.1393
www.olssonassociates.com

STATE OF MISSOURI
MELISSA G. DECONIA
NUMBER
PE-2011000892
2-14-17
PROFESSIONAL ENGINEER

BY

REVISIONS DESCRIPTION

DATE

NO. REV.

12.13.2017

Mill & Overlay Sections Revised. Driveways To Be Concrete.

2017

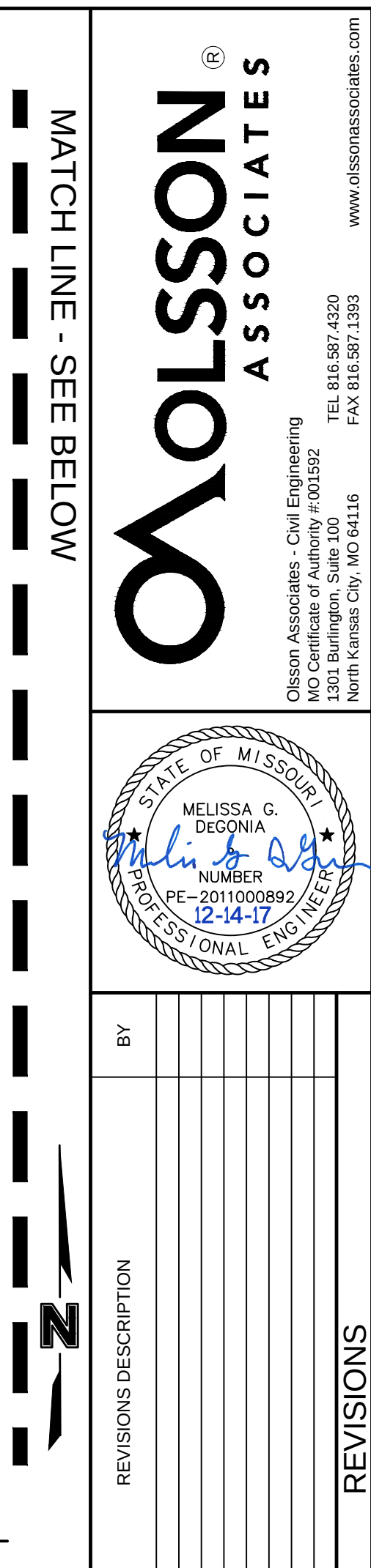
ROADWAY PAVEMENT PLAN

HAWTHORN RIDGE
1ST PLAT

LEE'S SUMMIT, MO

drawn by: D.A.H.D.
checked by: M.G.D.
designed by: P.M.L.D.
QA/QC by: K.S.J.
project no.: 017-0188
date: 03.03.2017

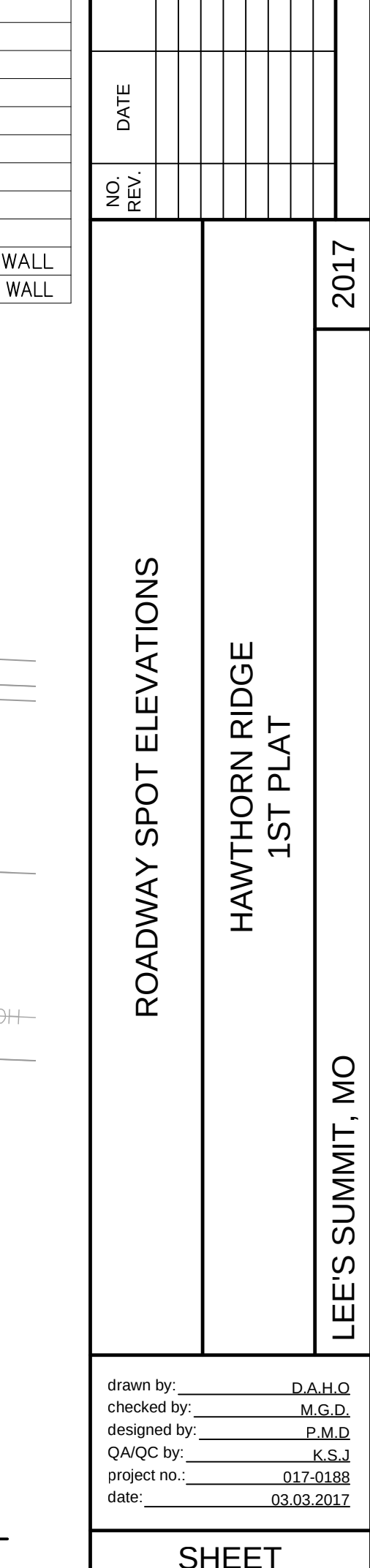
SHEET
C309

[illegible]

ROADWAY SPOT ELEVATIONS	
HAWTHORN RIDGE 1ST PLAT	
LEE'S SUMMIT, MO	2017

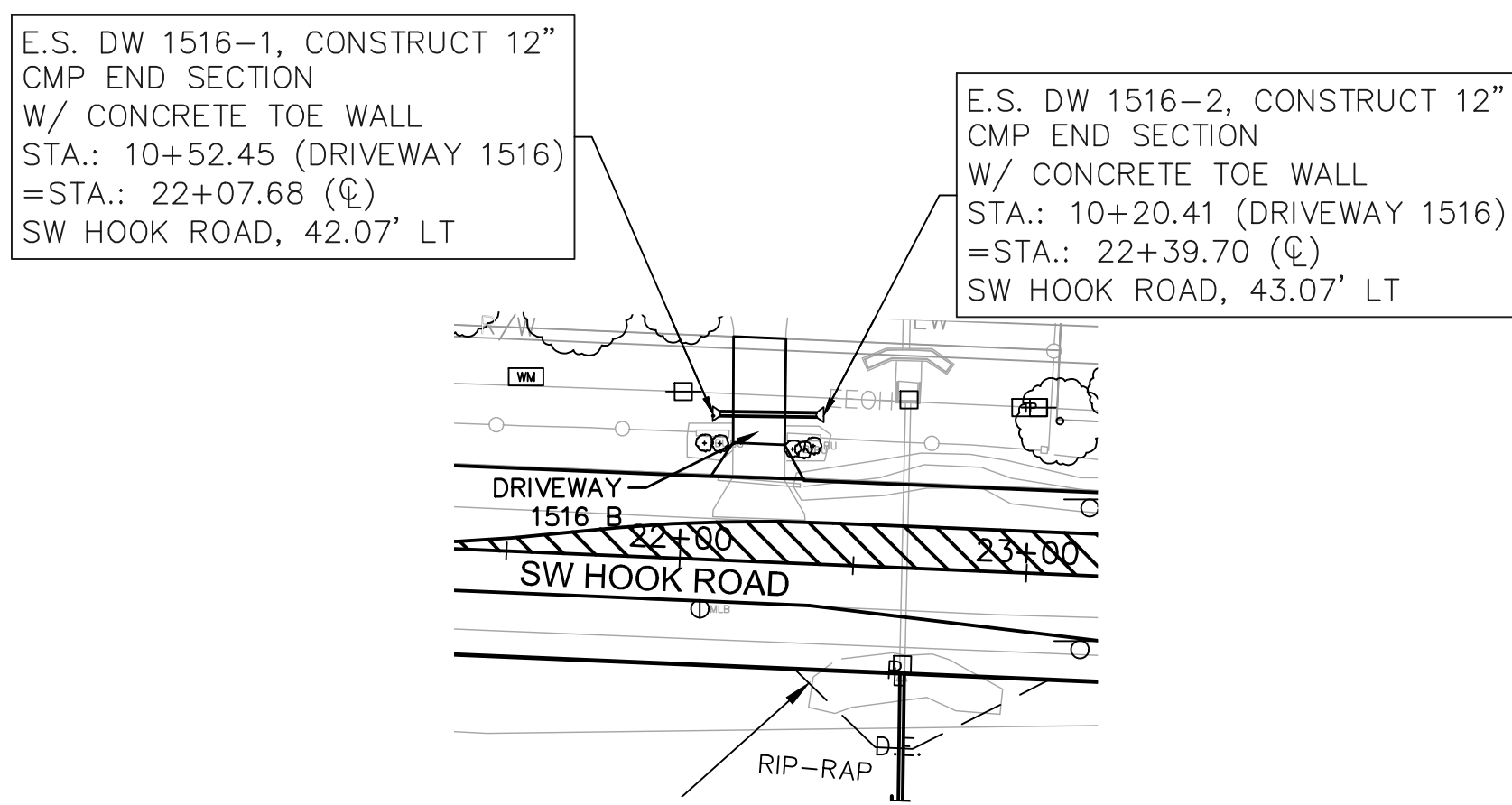
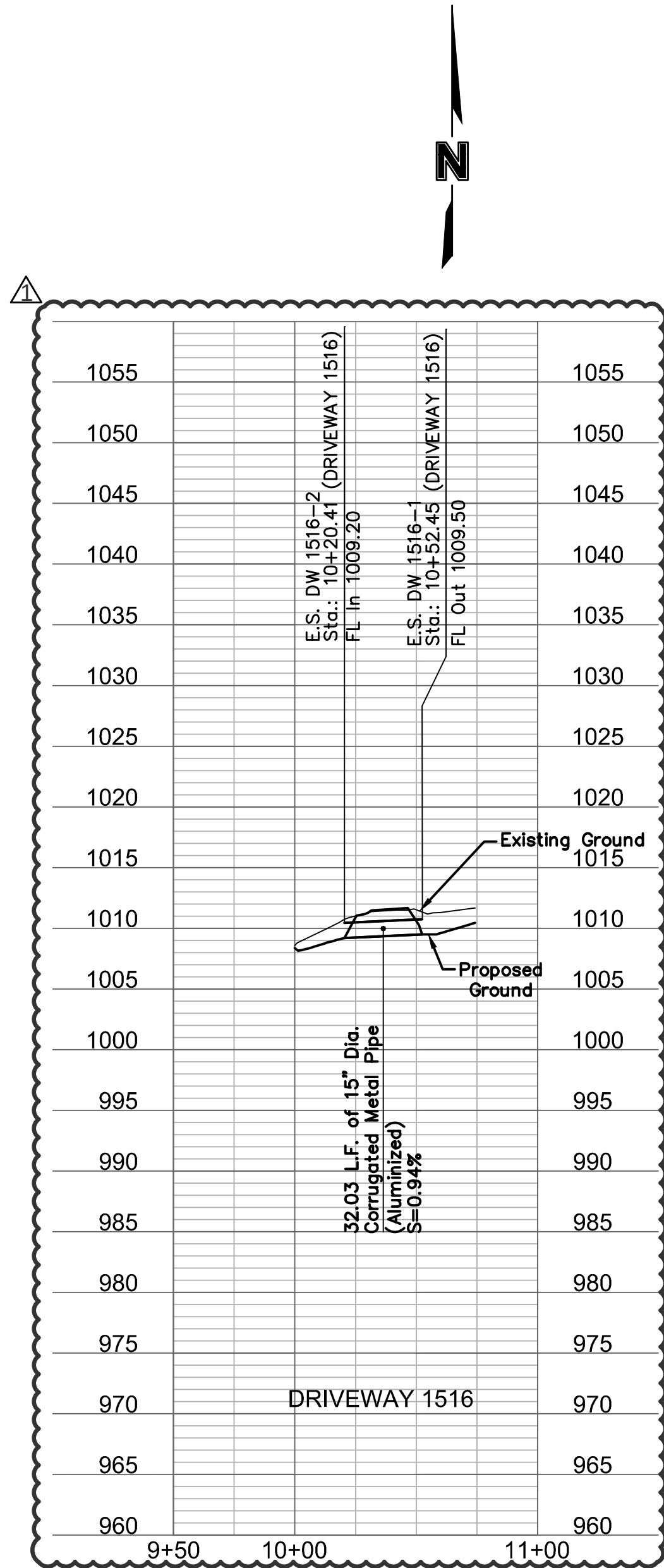
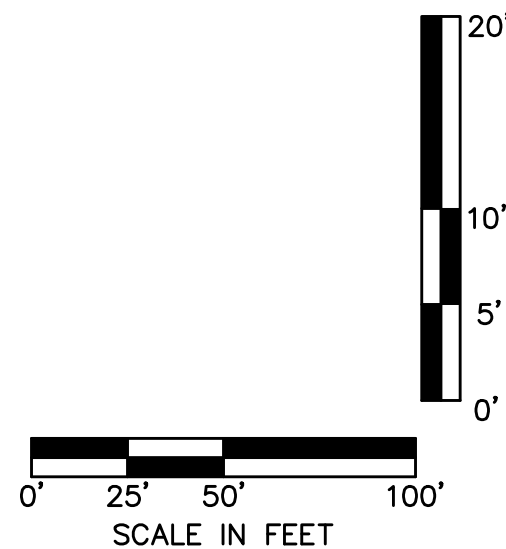
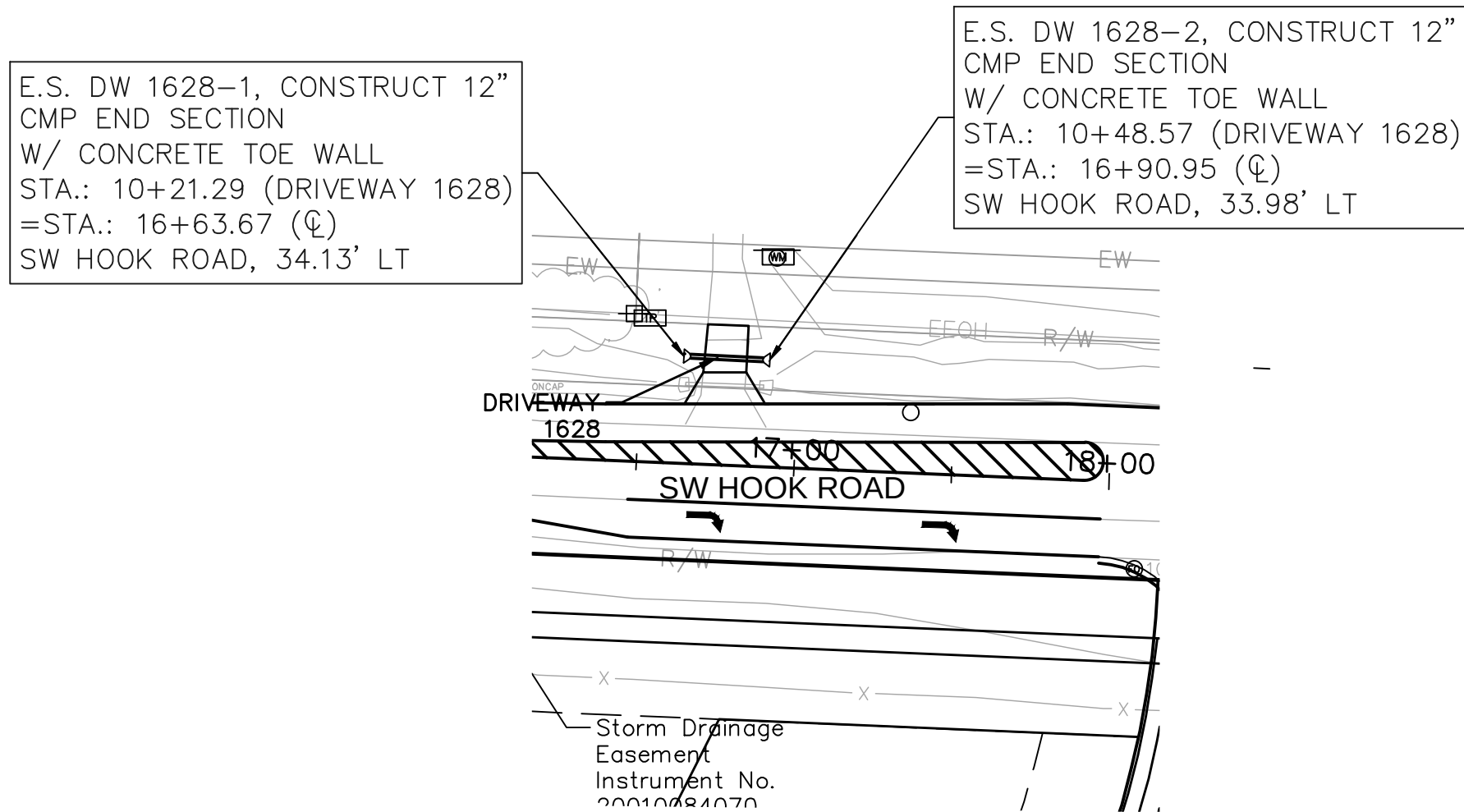
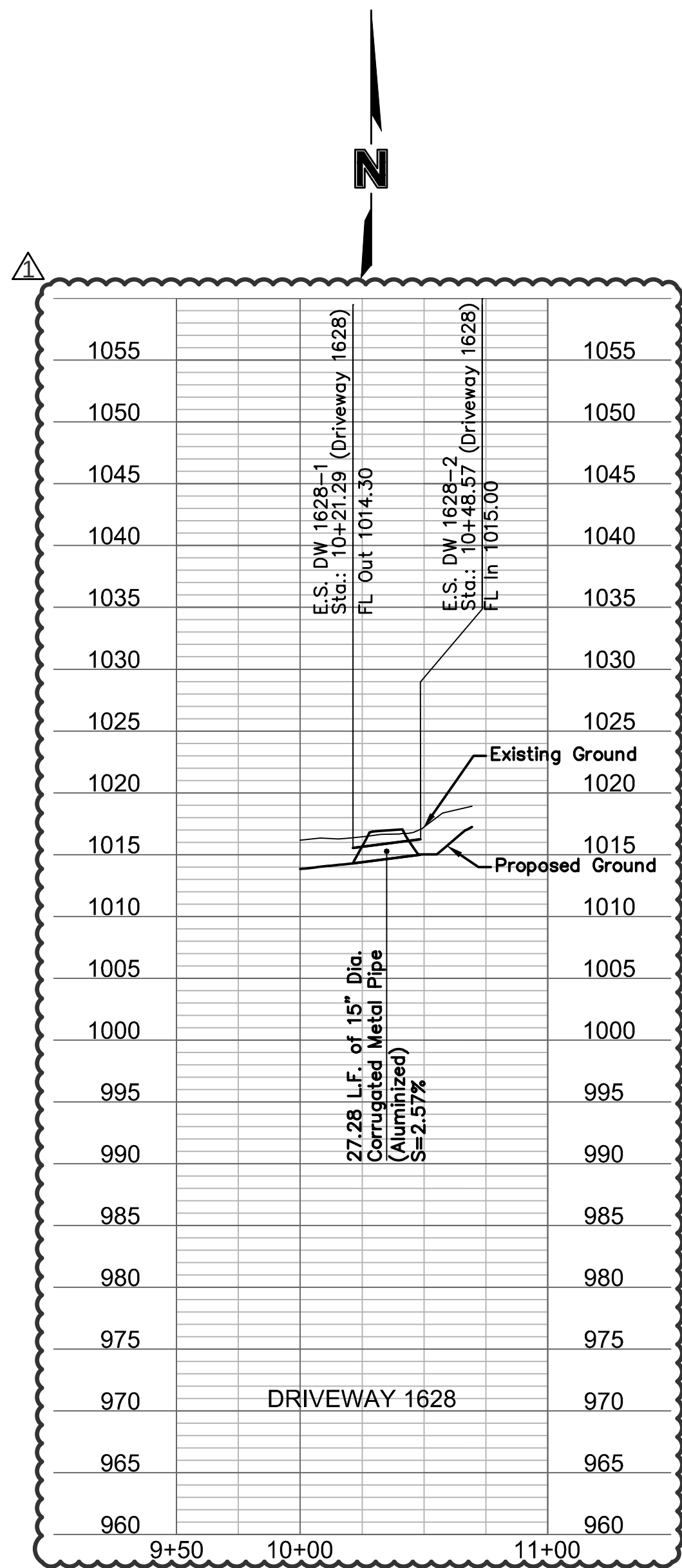
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checked by: M.G.D.
designed by: P.M.D
QA/QC by: K.S.J
project no.: 017-0188
date: 03.03.2017

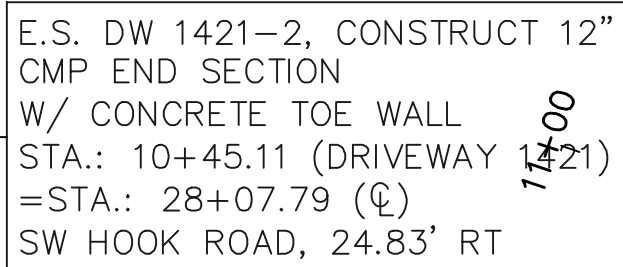
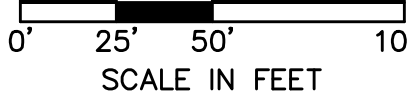
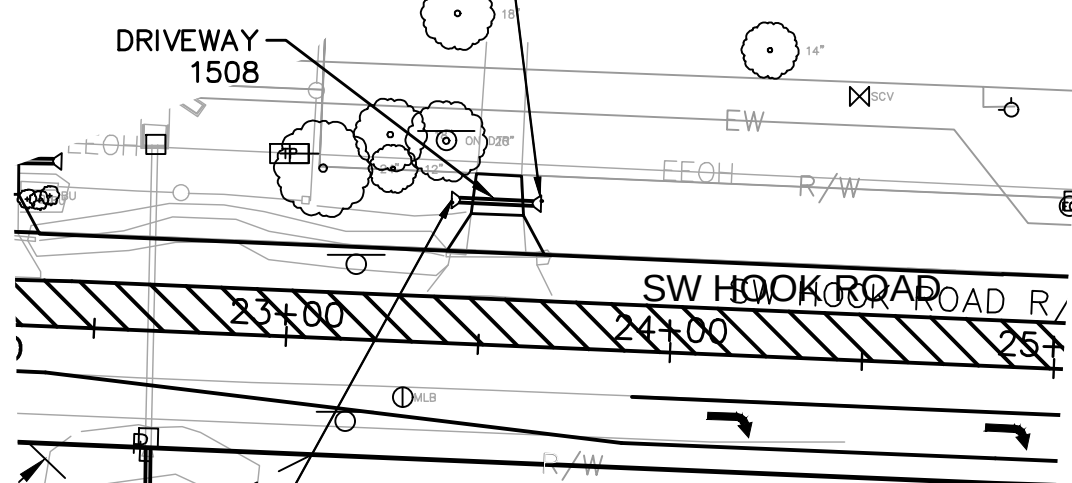
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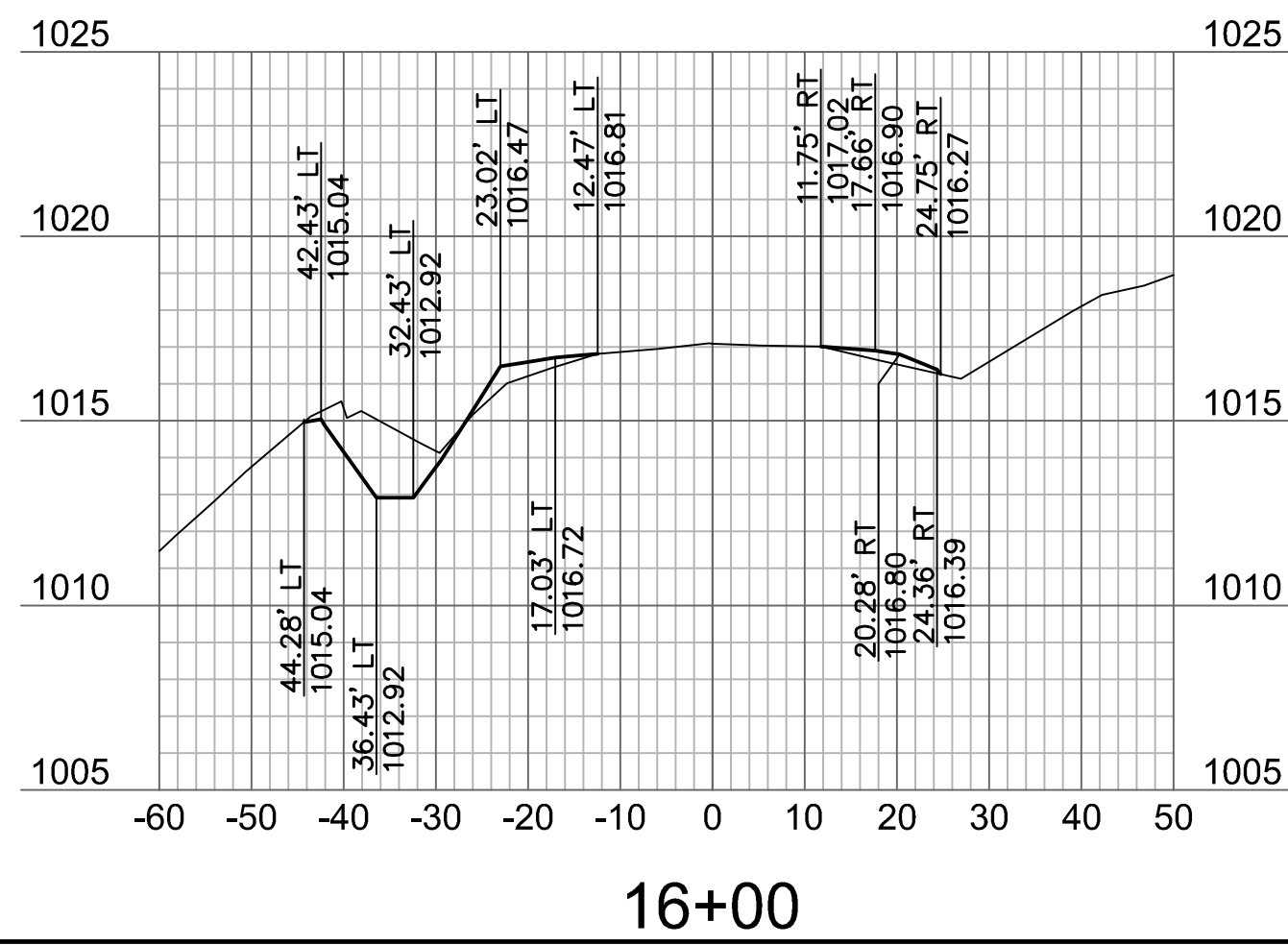
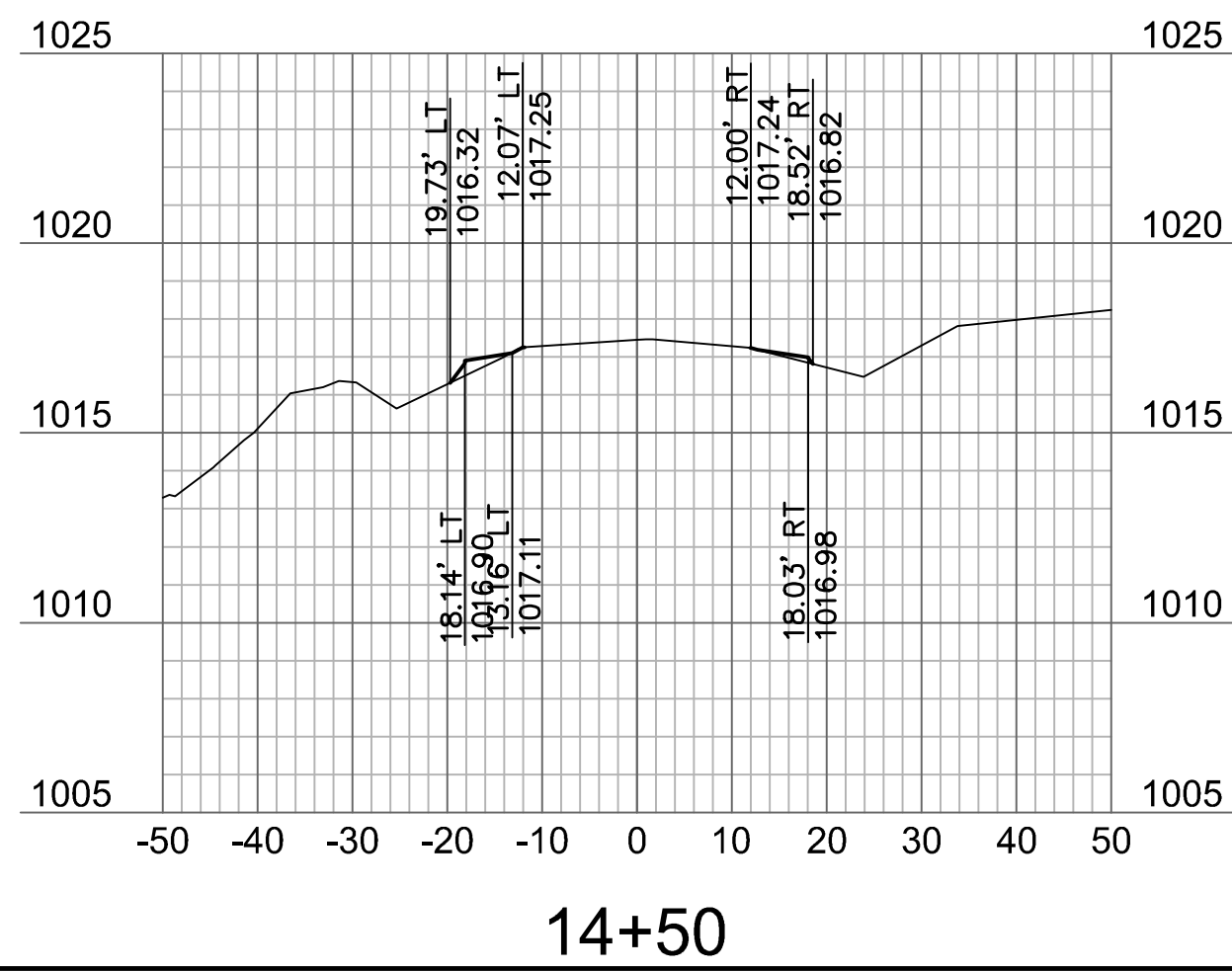
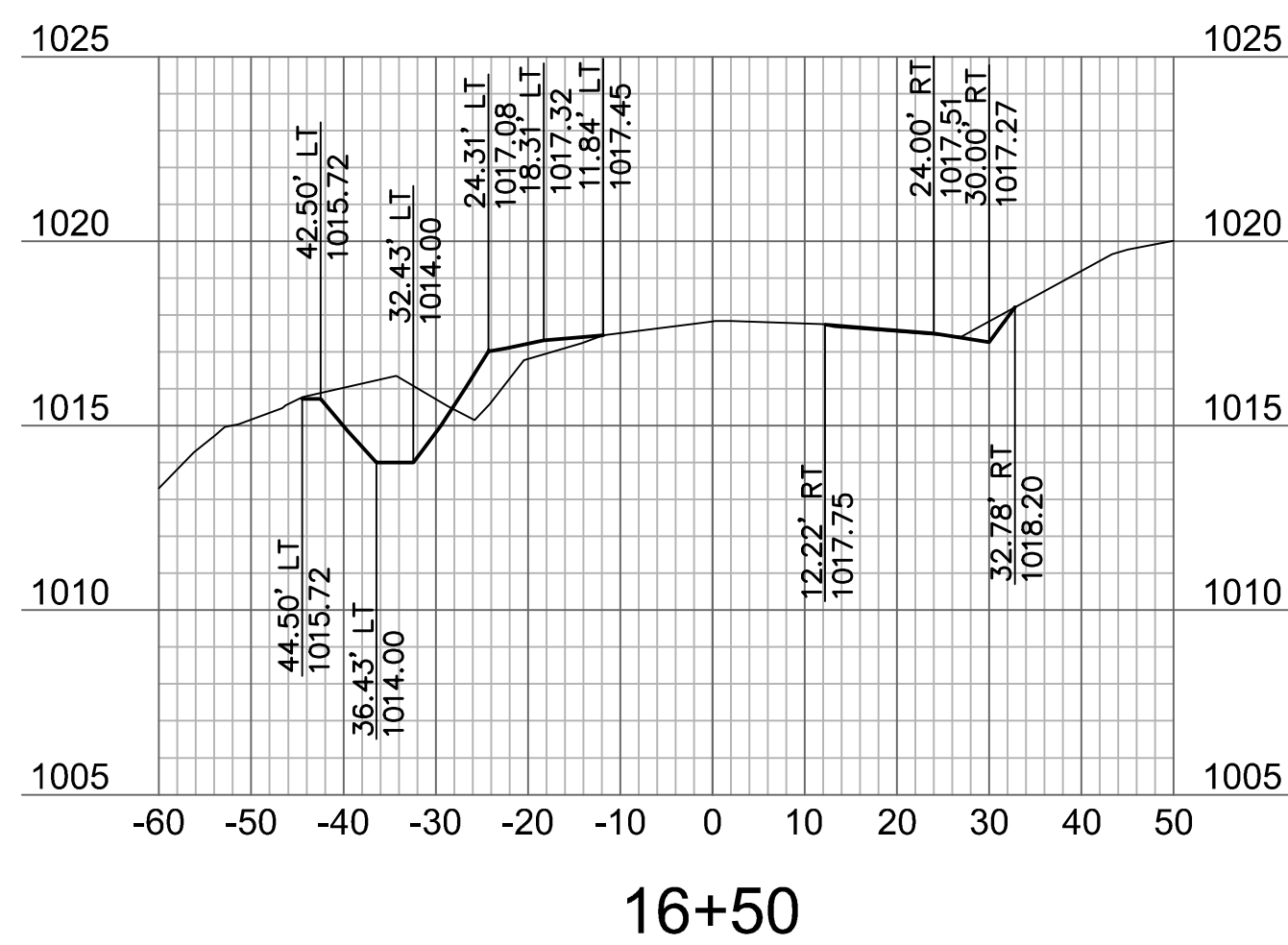
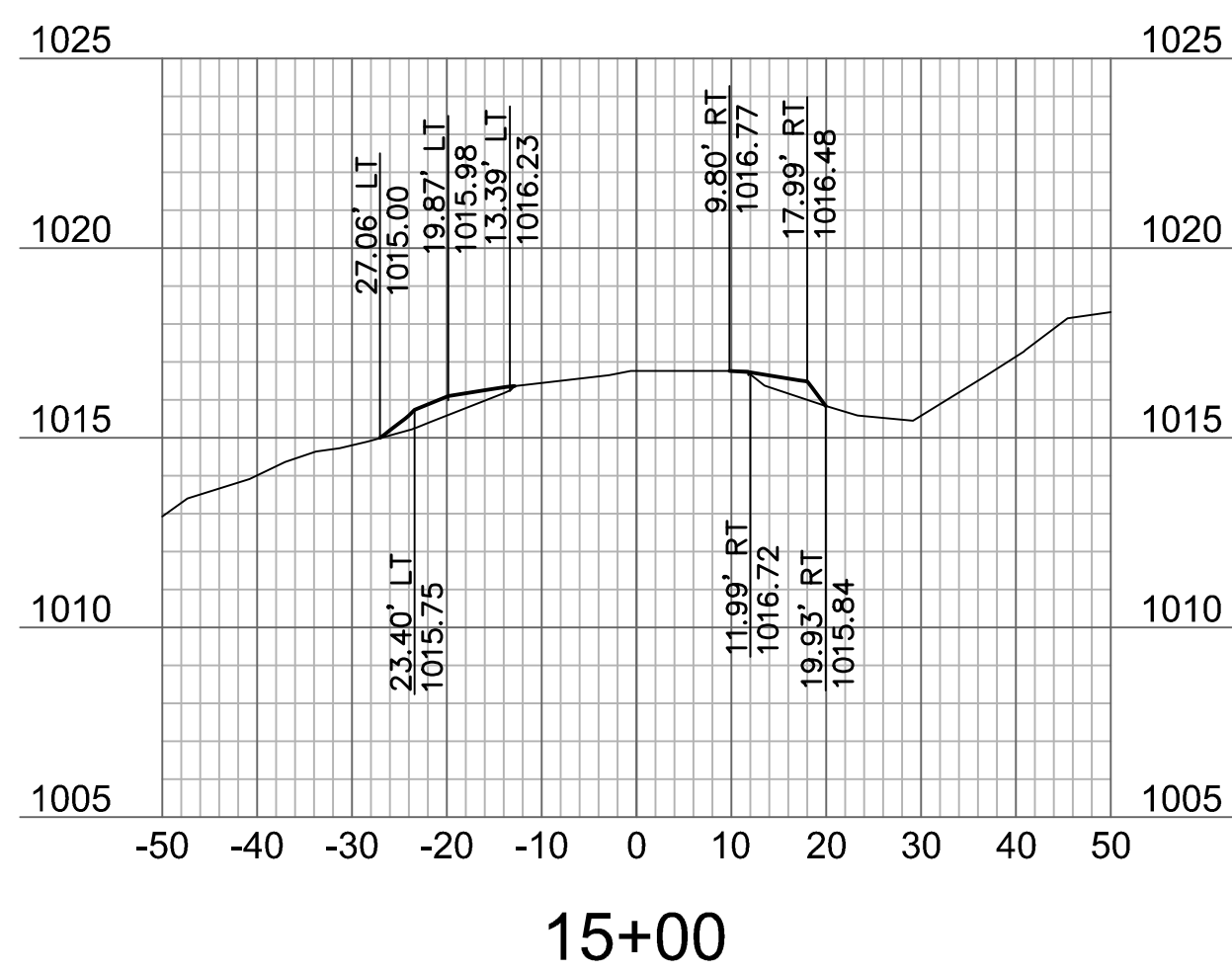
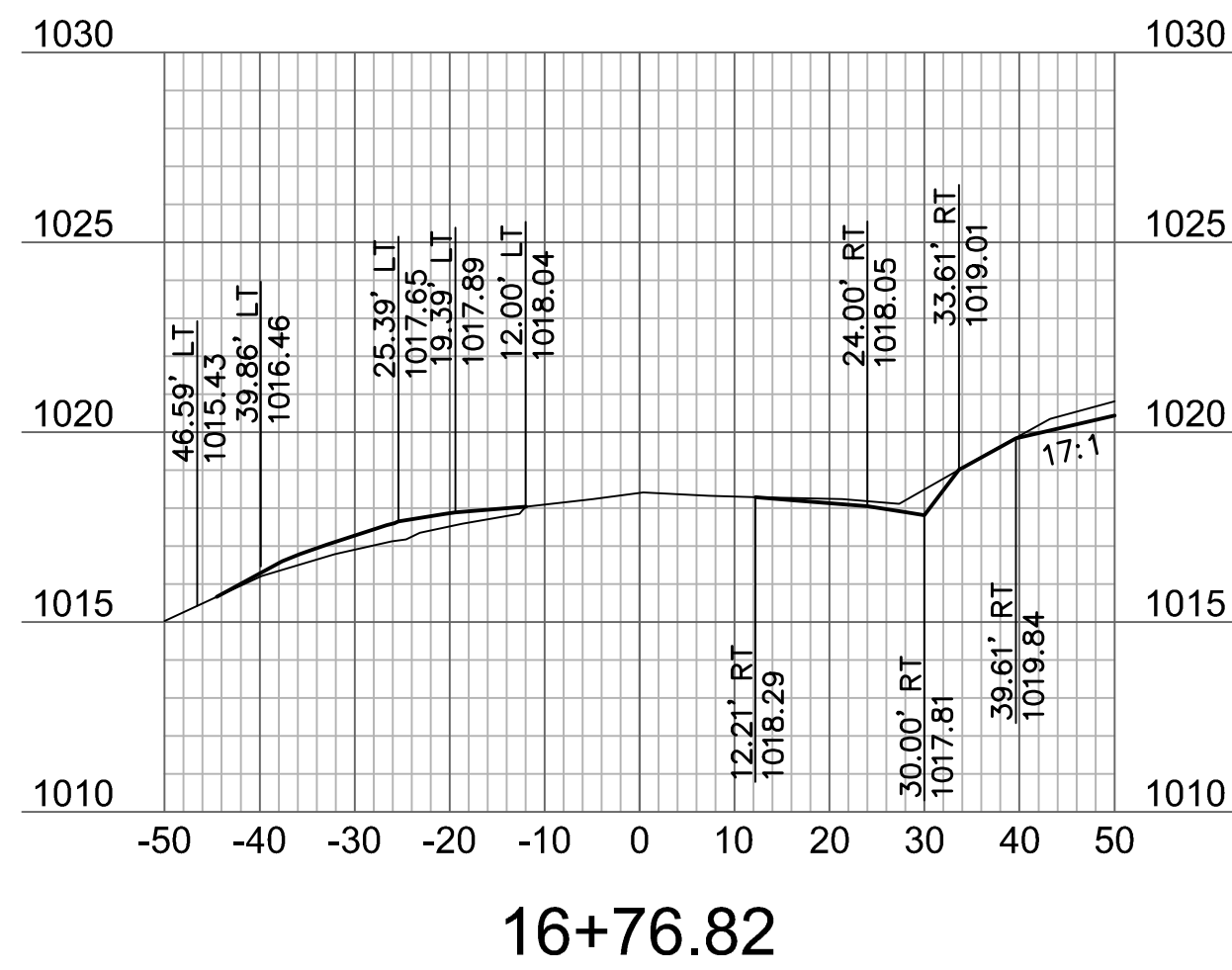
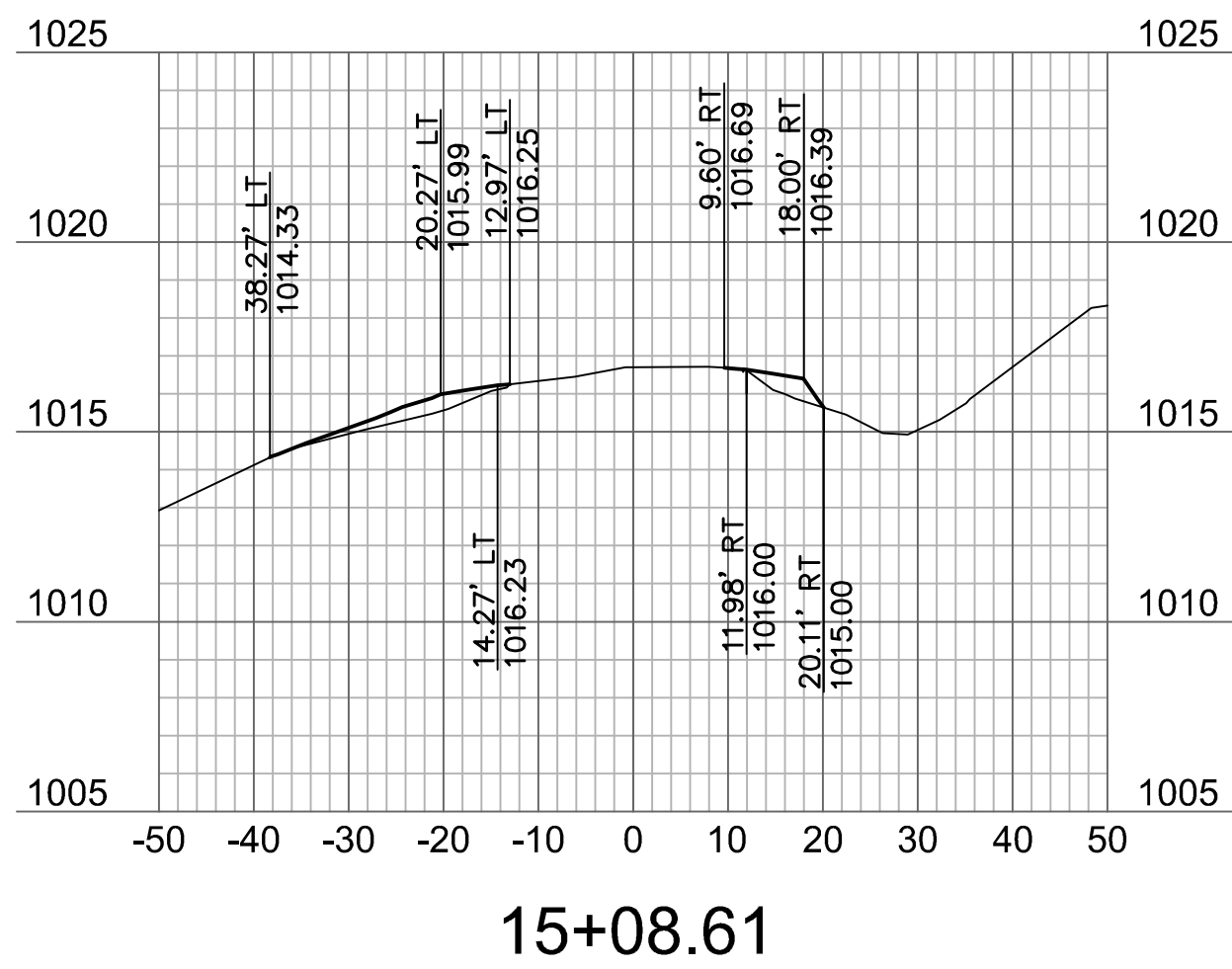
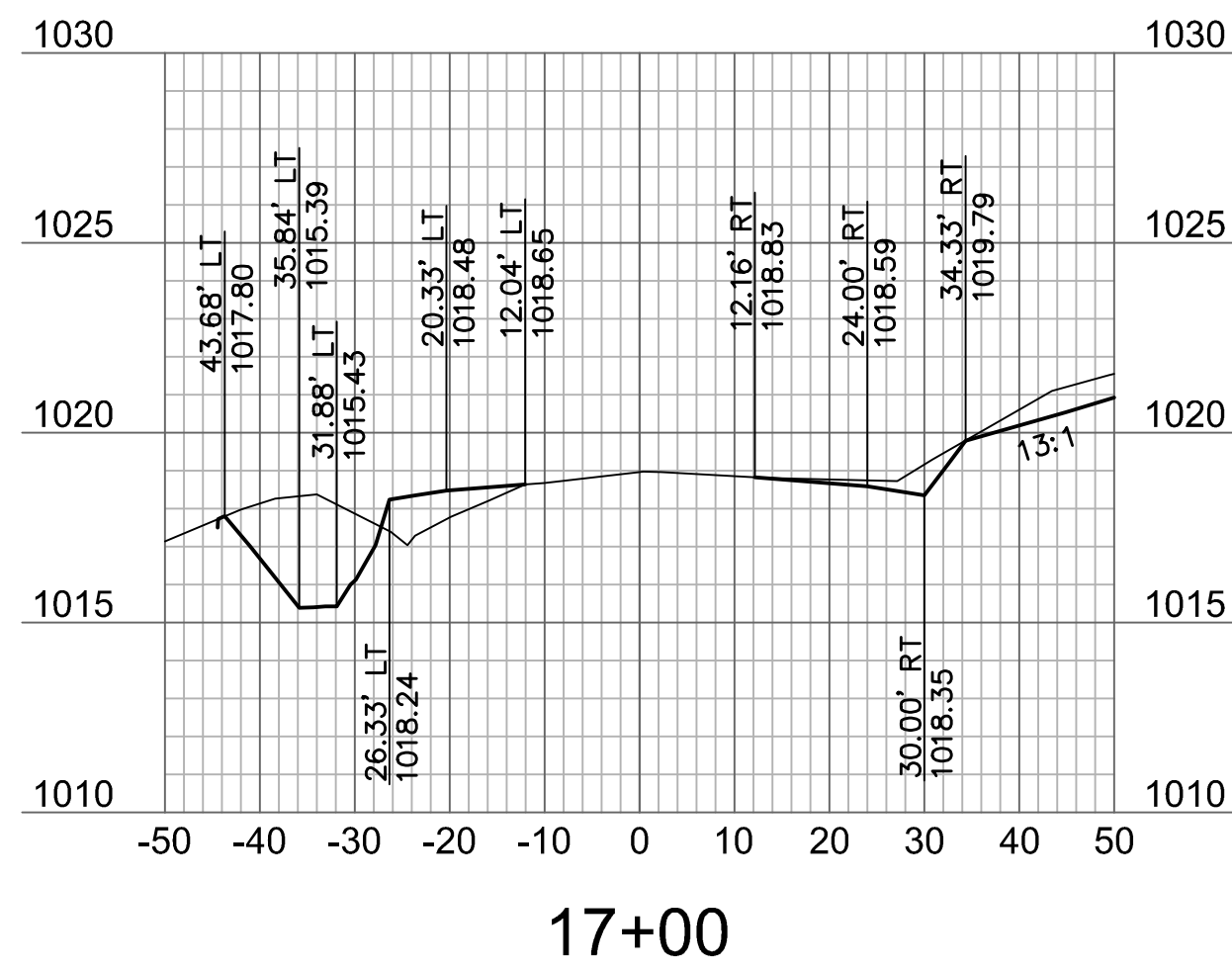
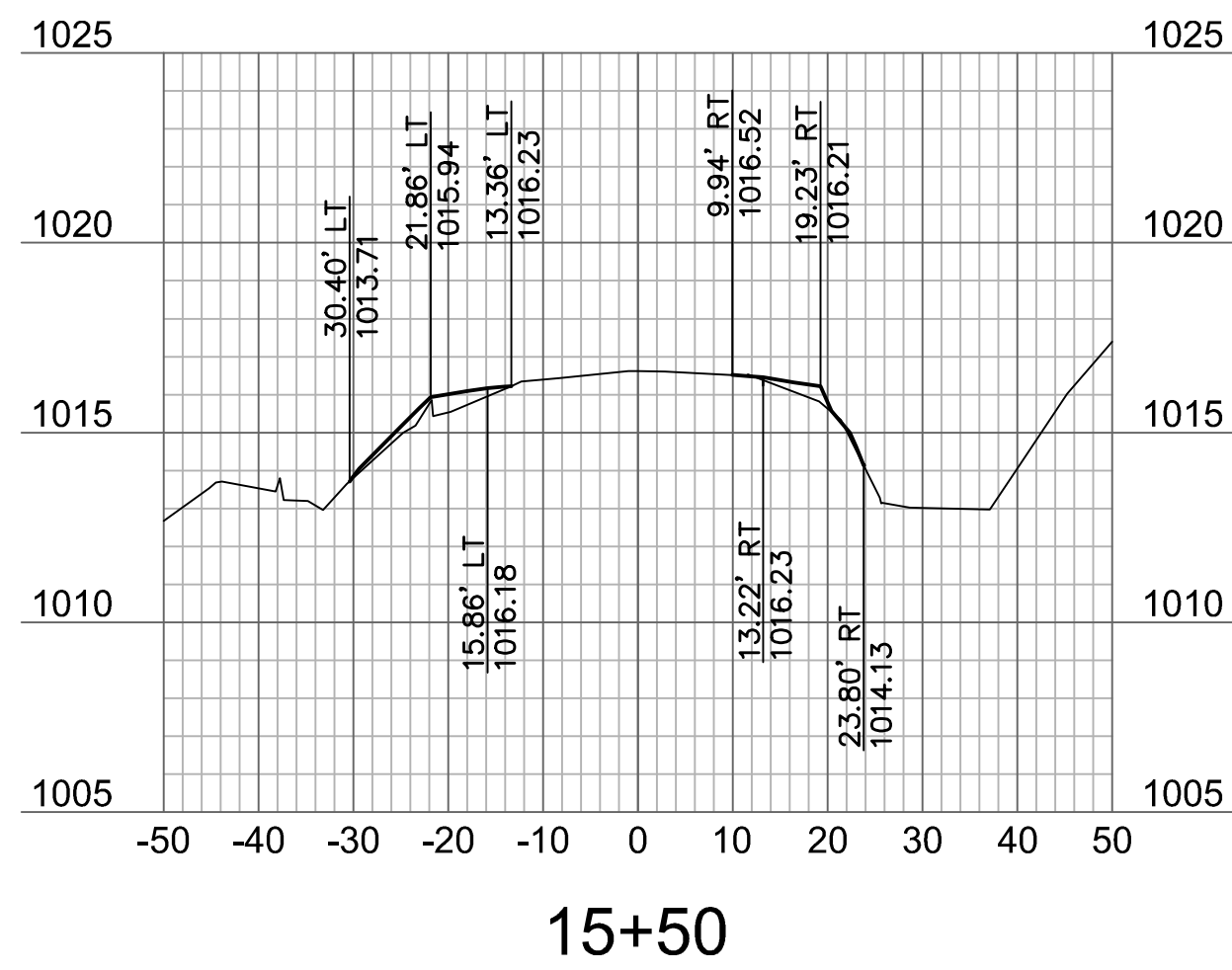


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DATE: Dec 13 2017 9:26am
USER: mdiebolt

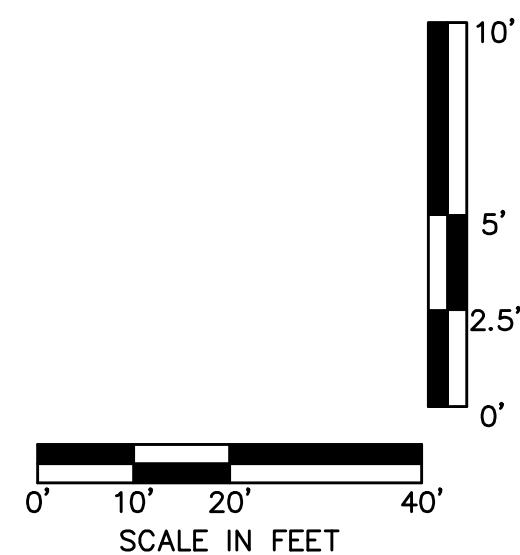
MATCH LINE - SEE ABOVE

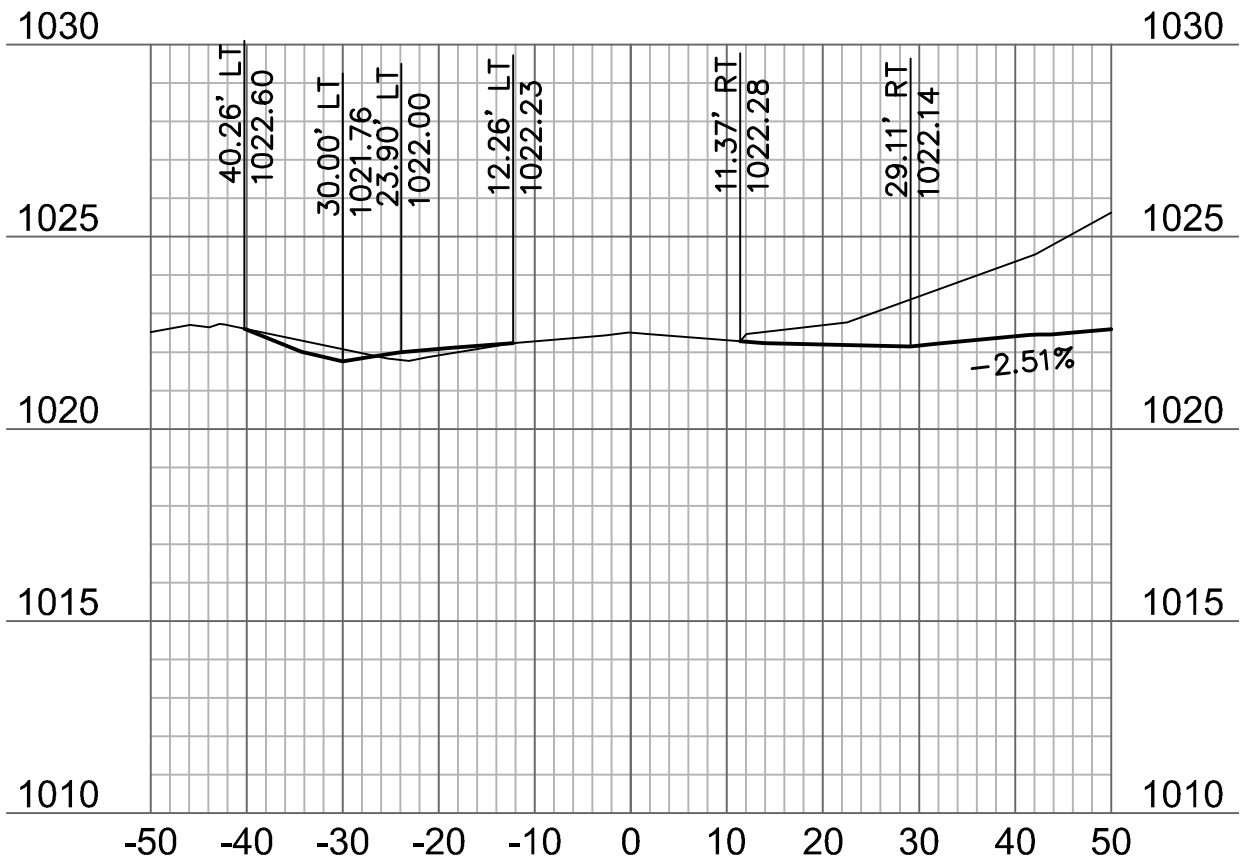




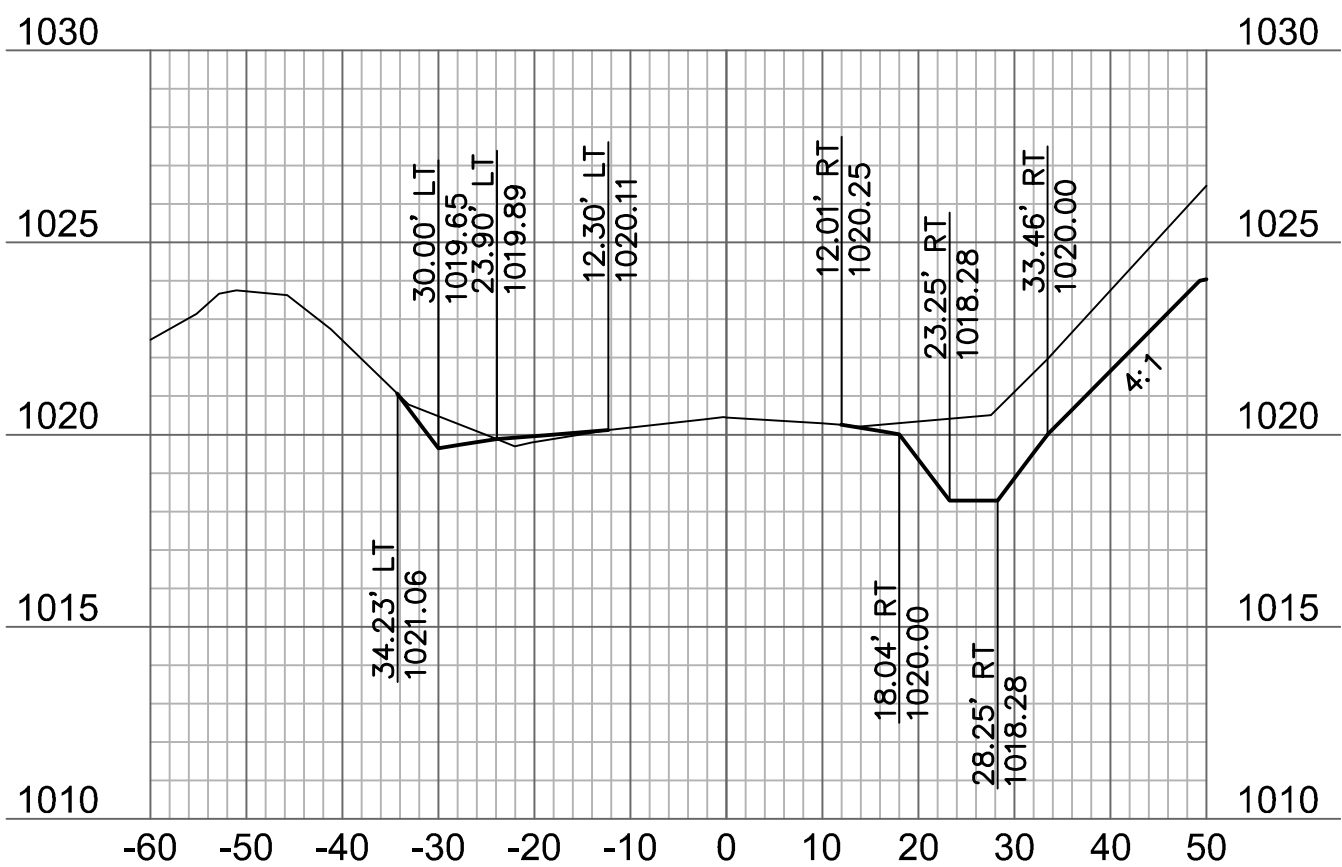


NOTE: WHERE GRADING EXCEEDS CROSS SECTION
VIEW ON RIGHT SIDE, SEE HAWTHORN RIDGE 1ST
PLAT STREET AND STORM SEWER PLANS FOR
CONTINUATION OF GRADING.

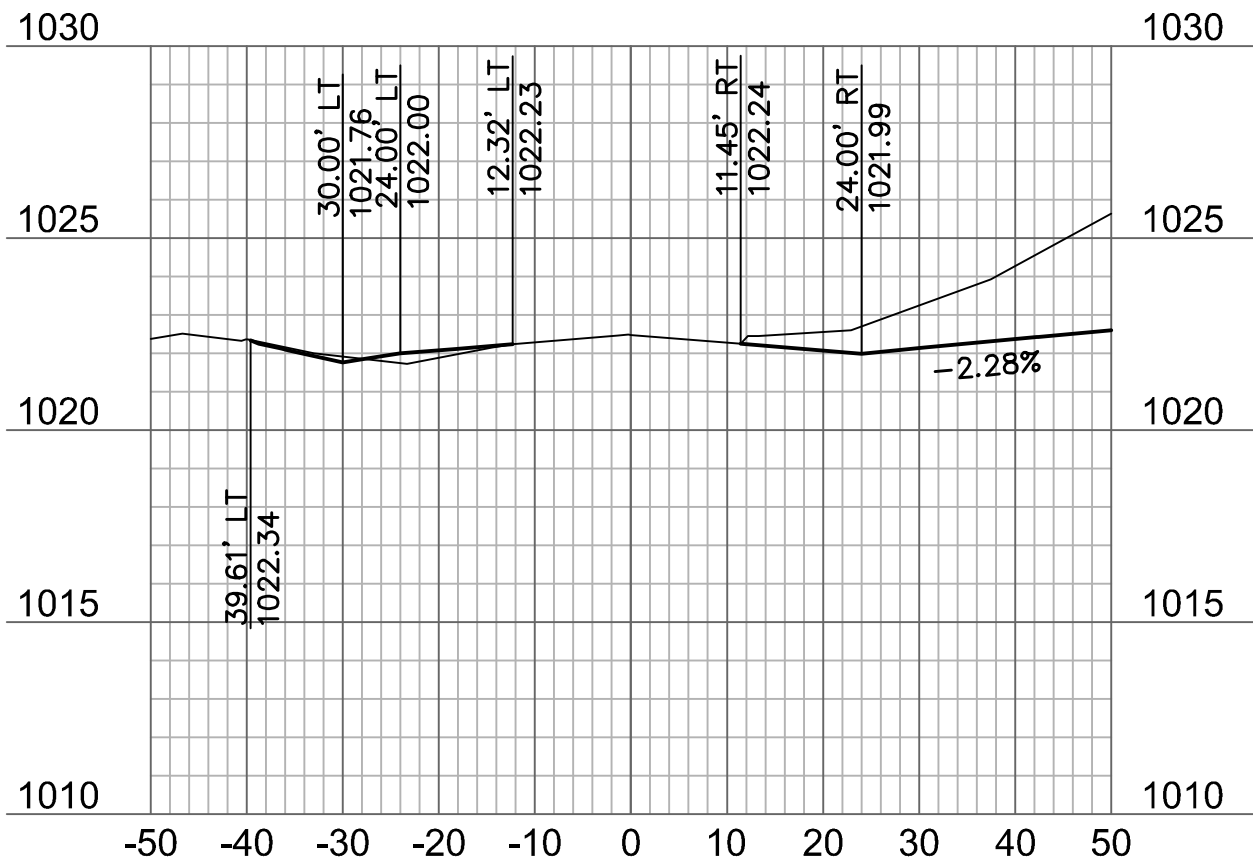




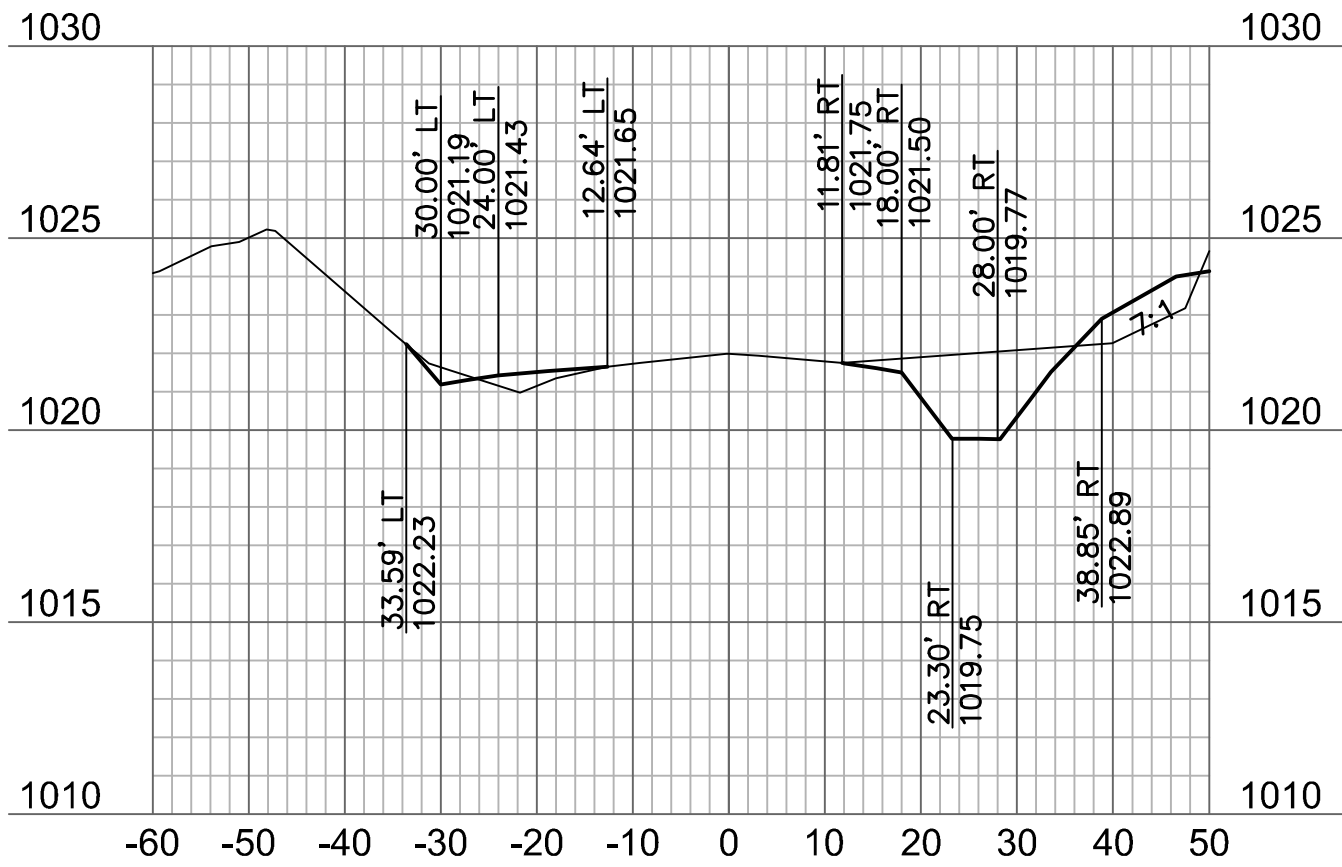
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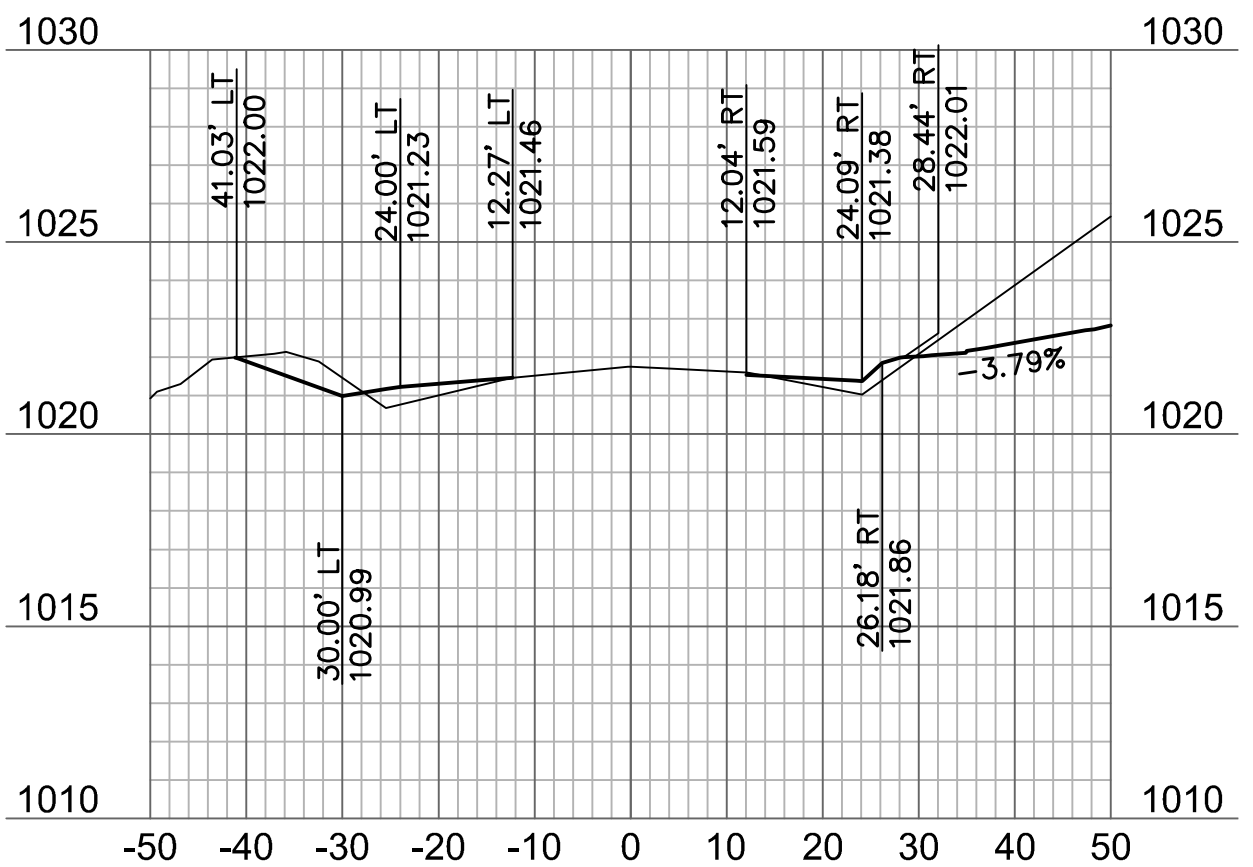
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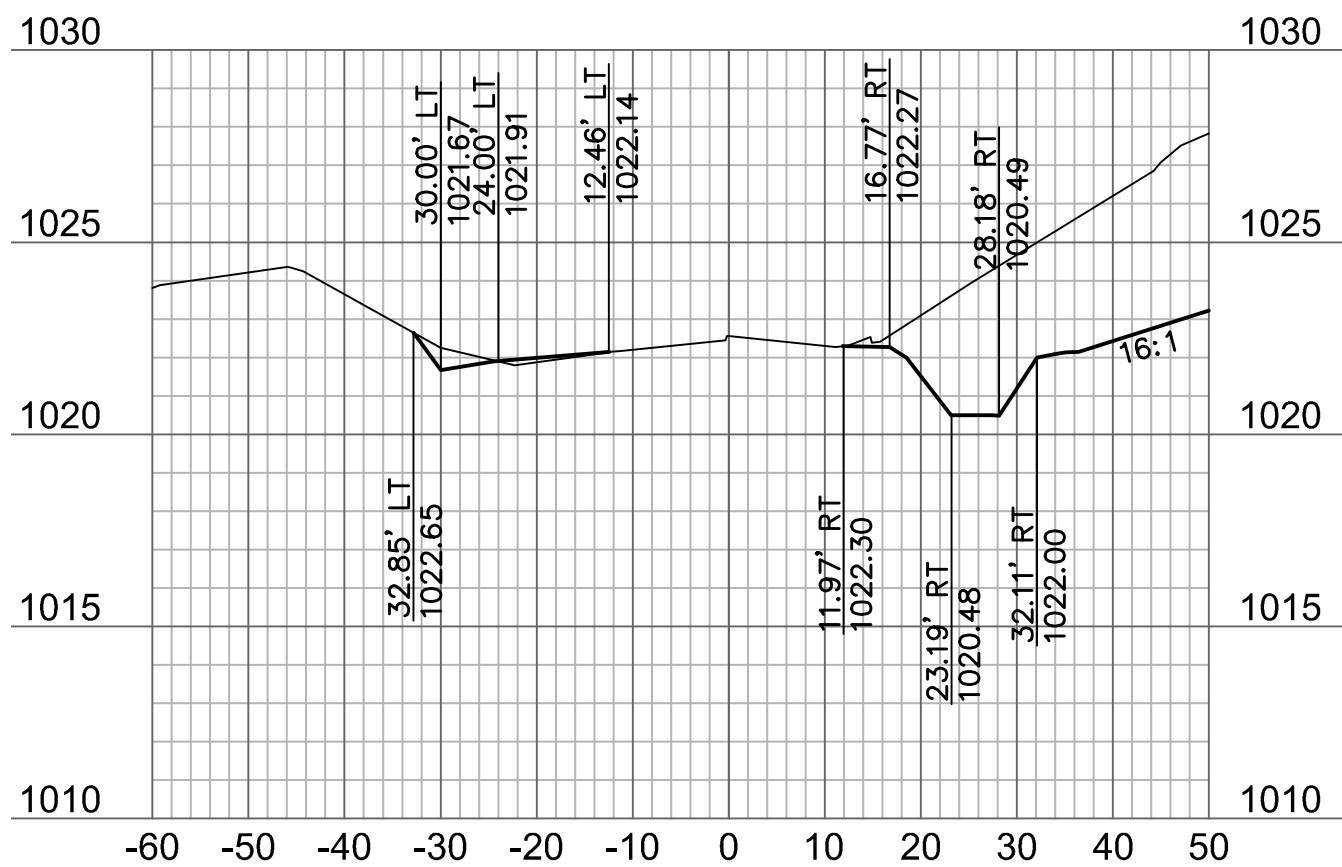
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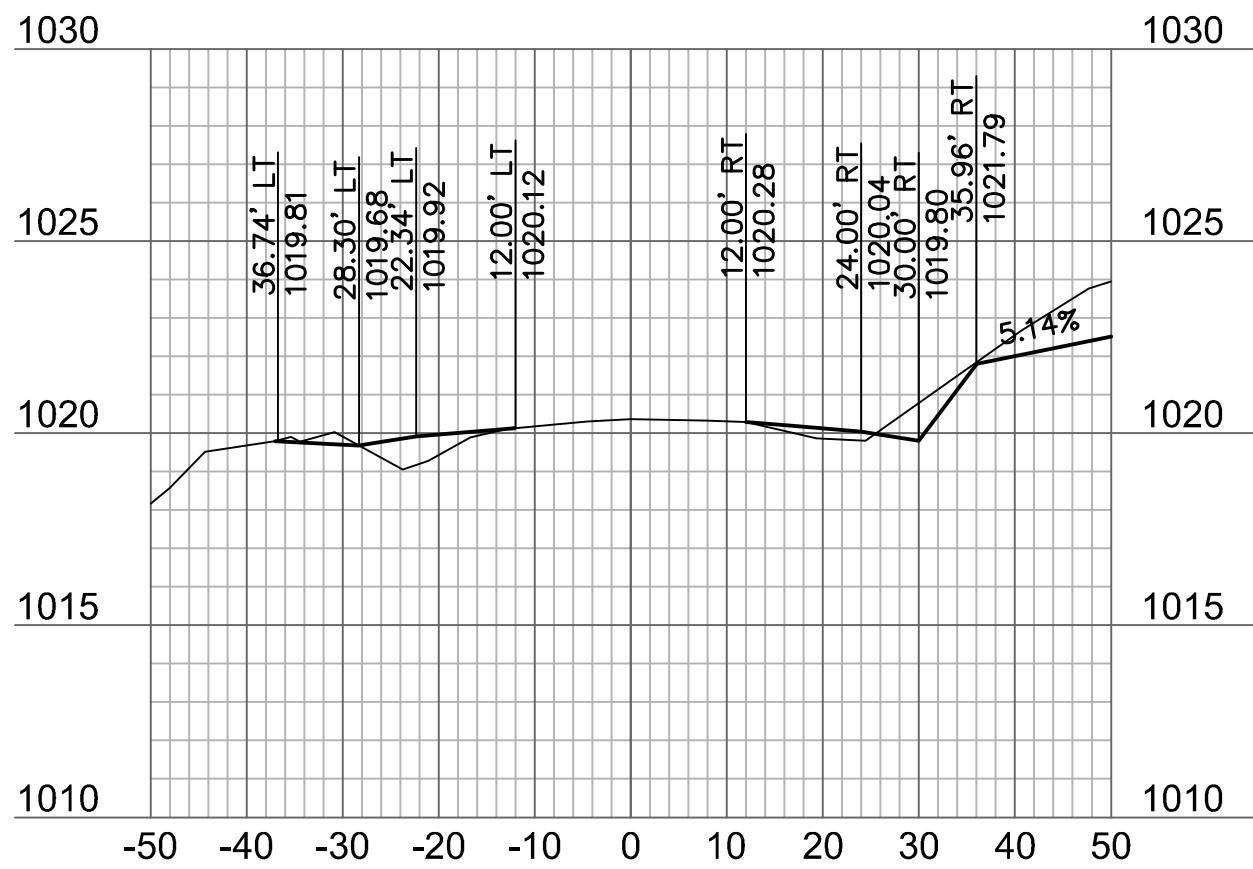
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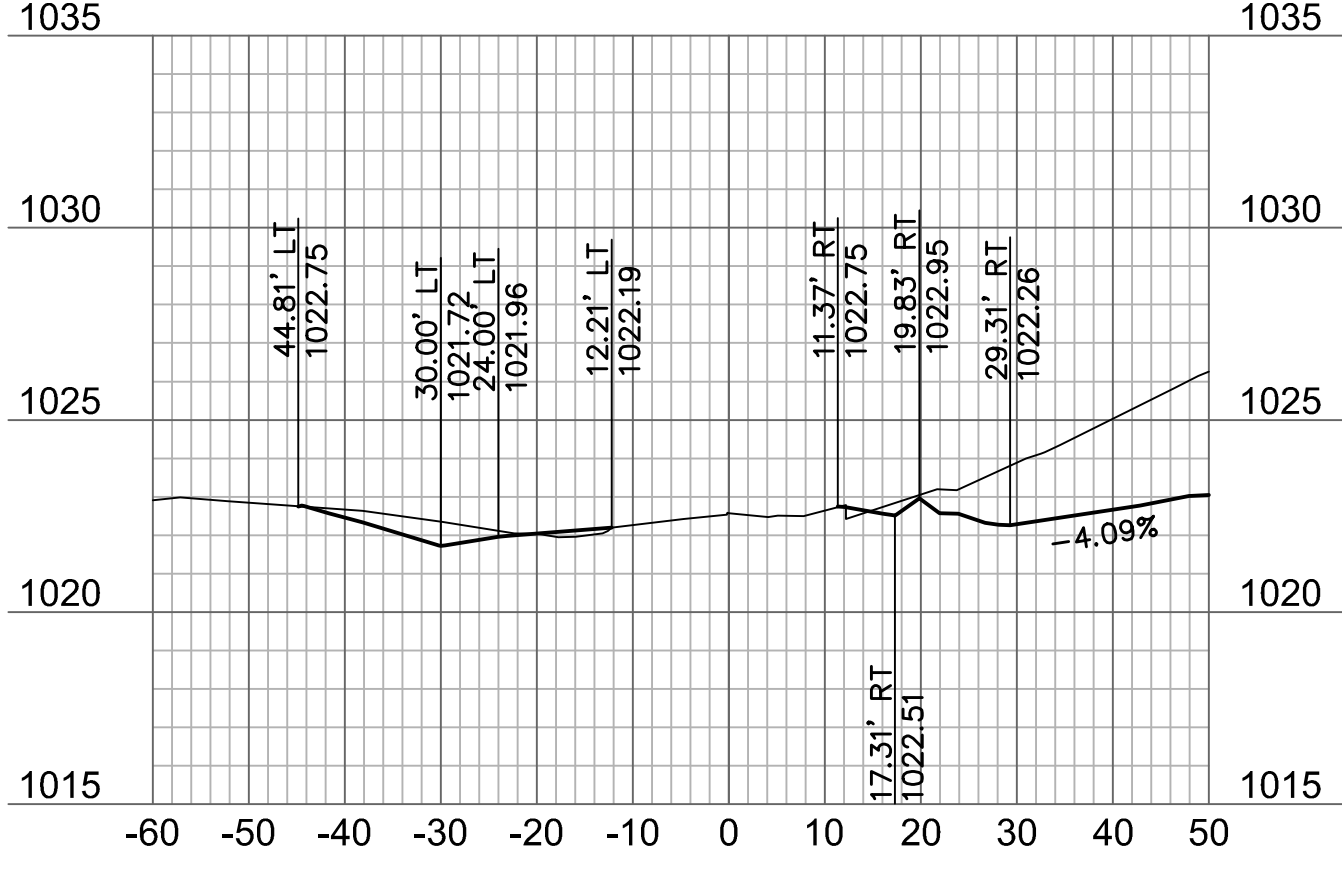
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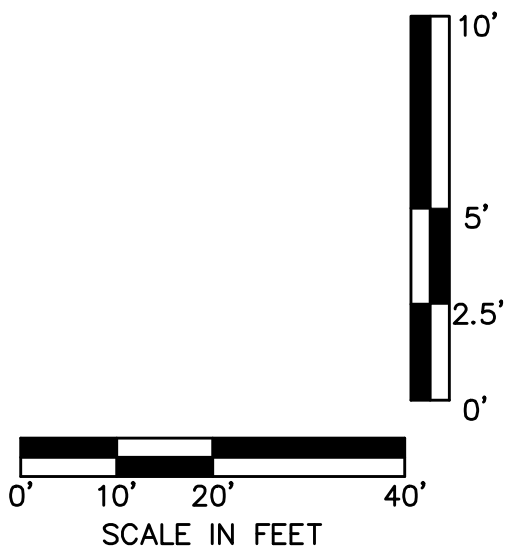


17+50



18+77.14

NOTE: WHERE GRADING EXCEEDS CROSS SECTION VIEW ON RIGHT SIDE, SEE HAWTHORN RIDGE 1ST PLAT STREET AND STORM SEWER PLANS FOR CONTINUATION OF GRADING.

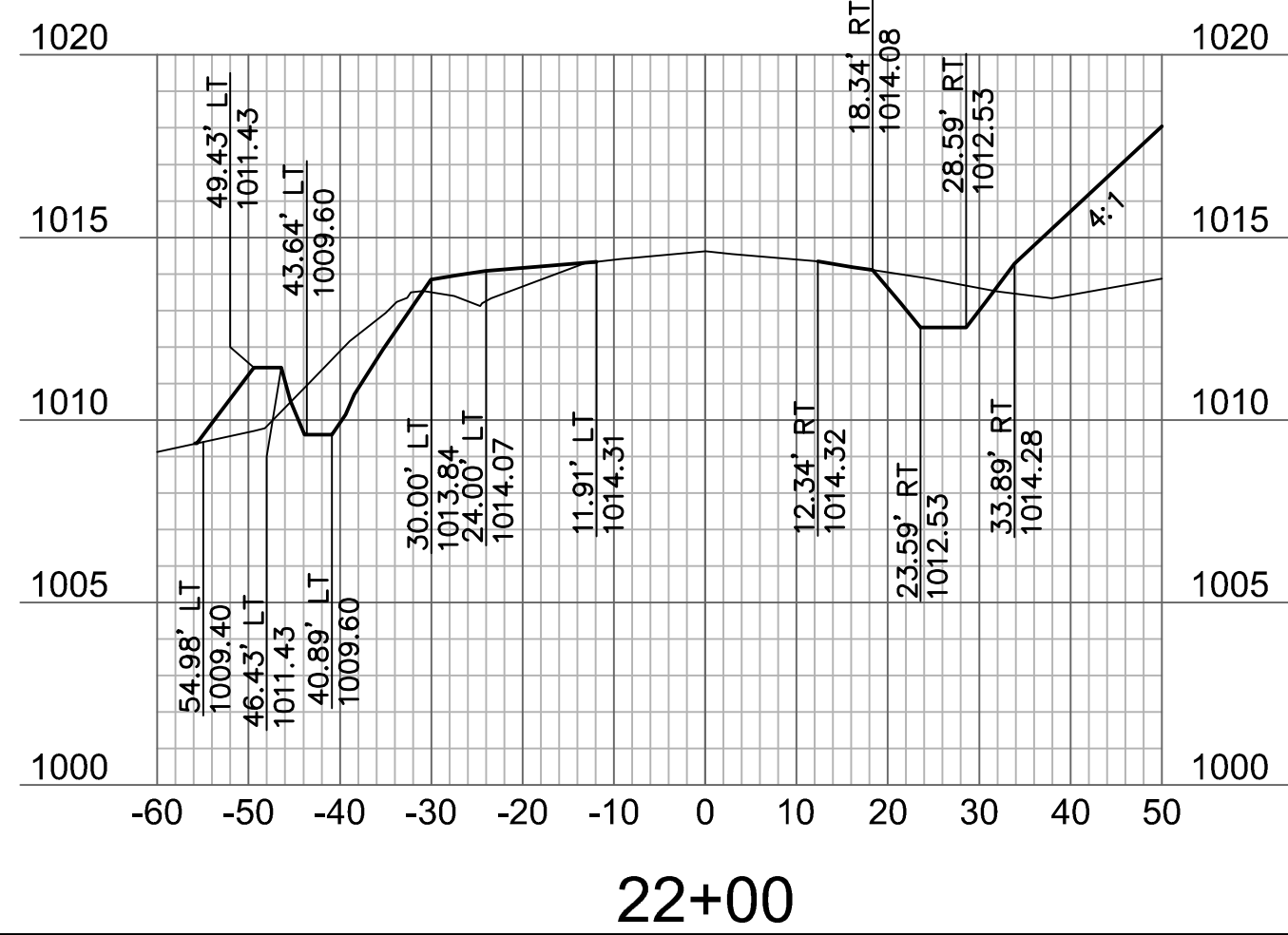
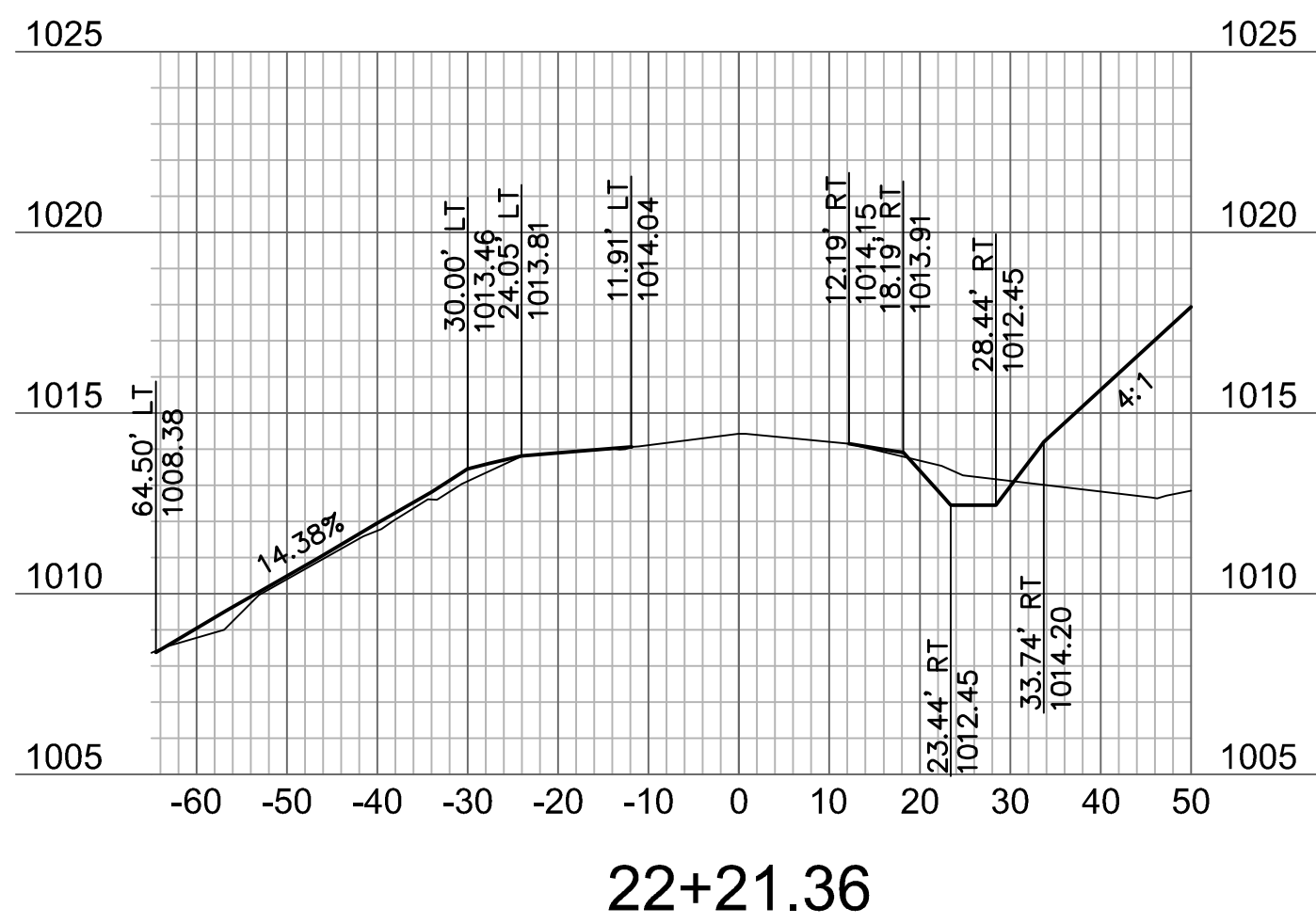
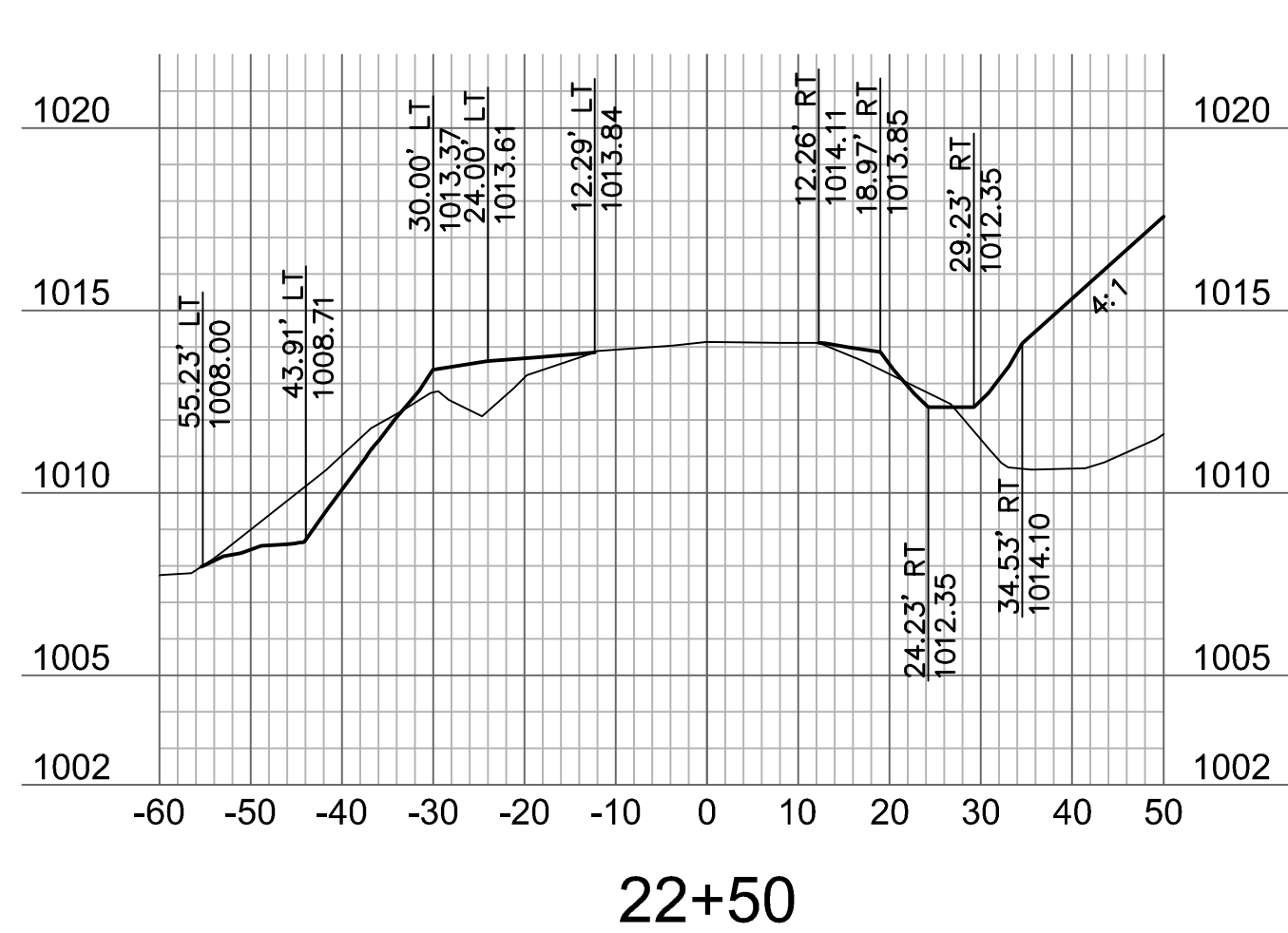
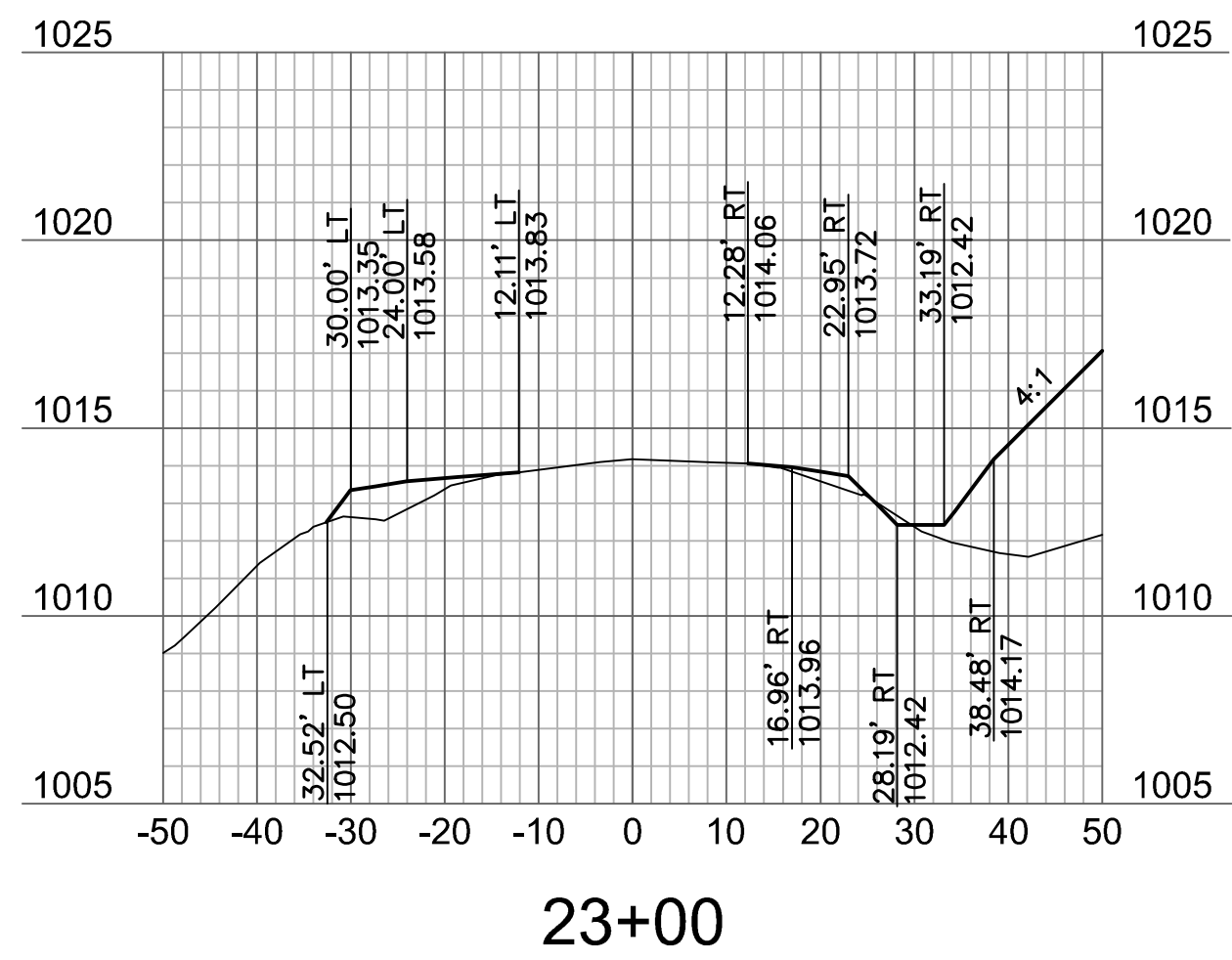
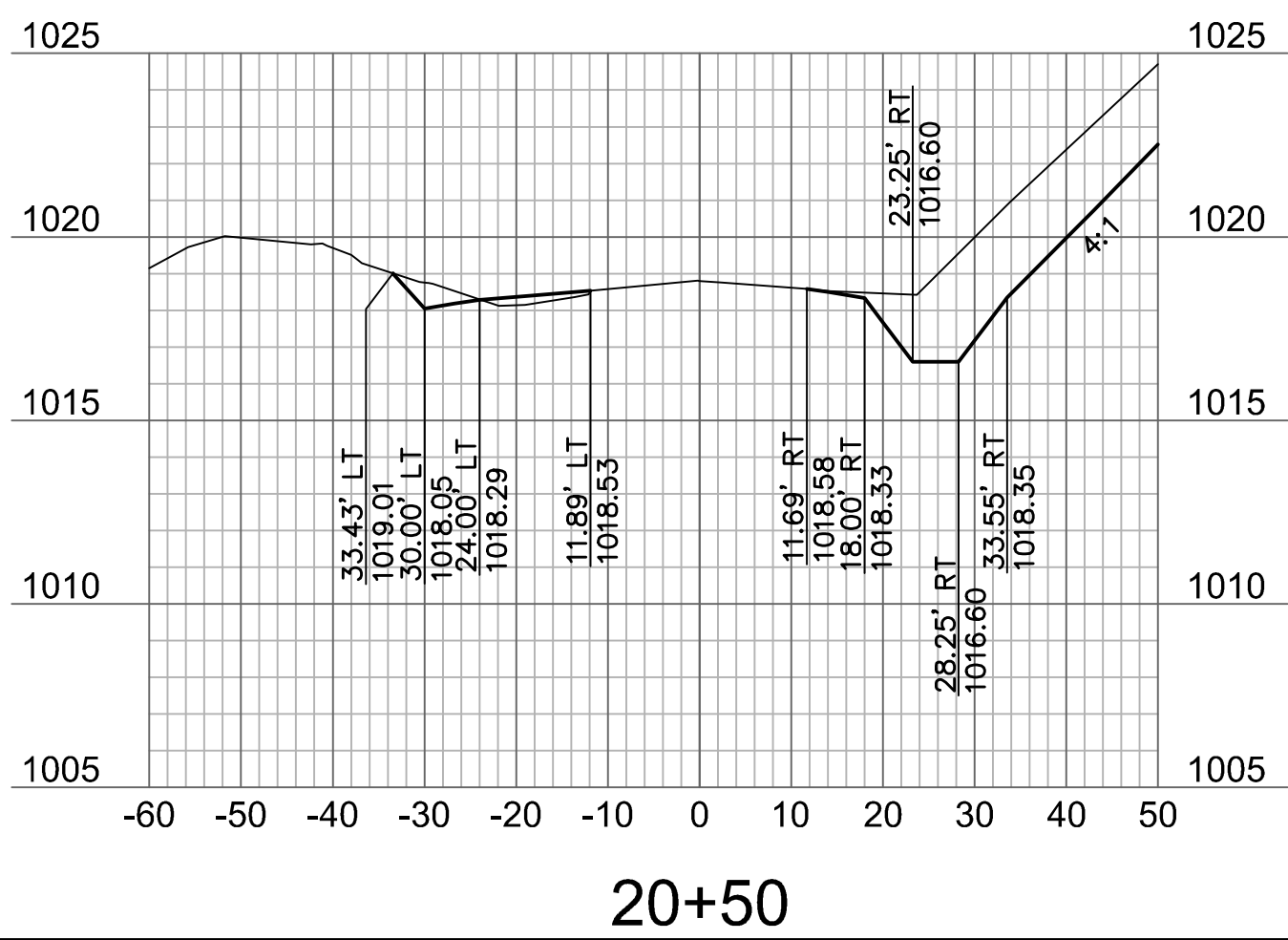
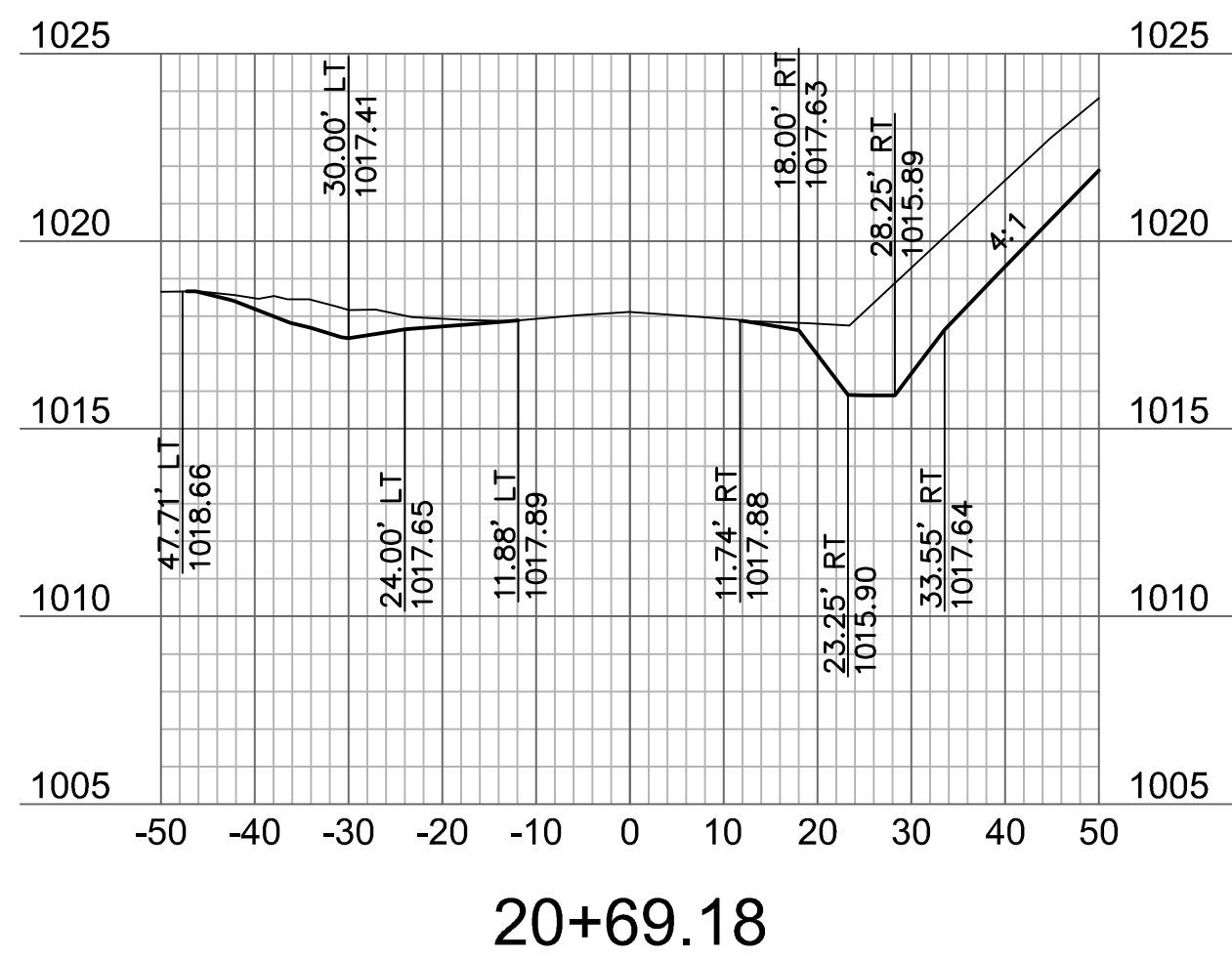
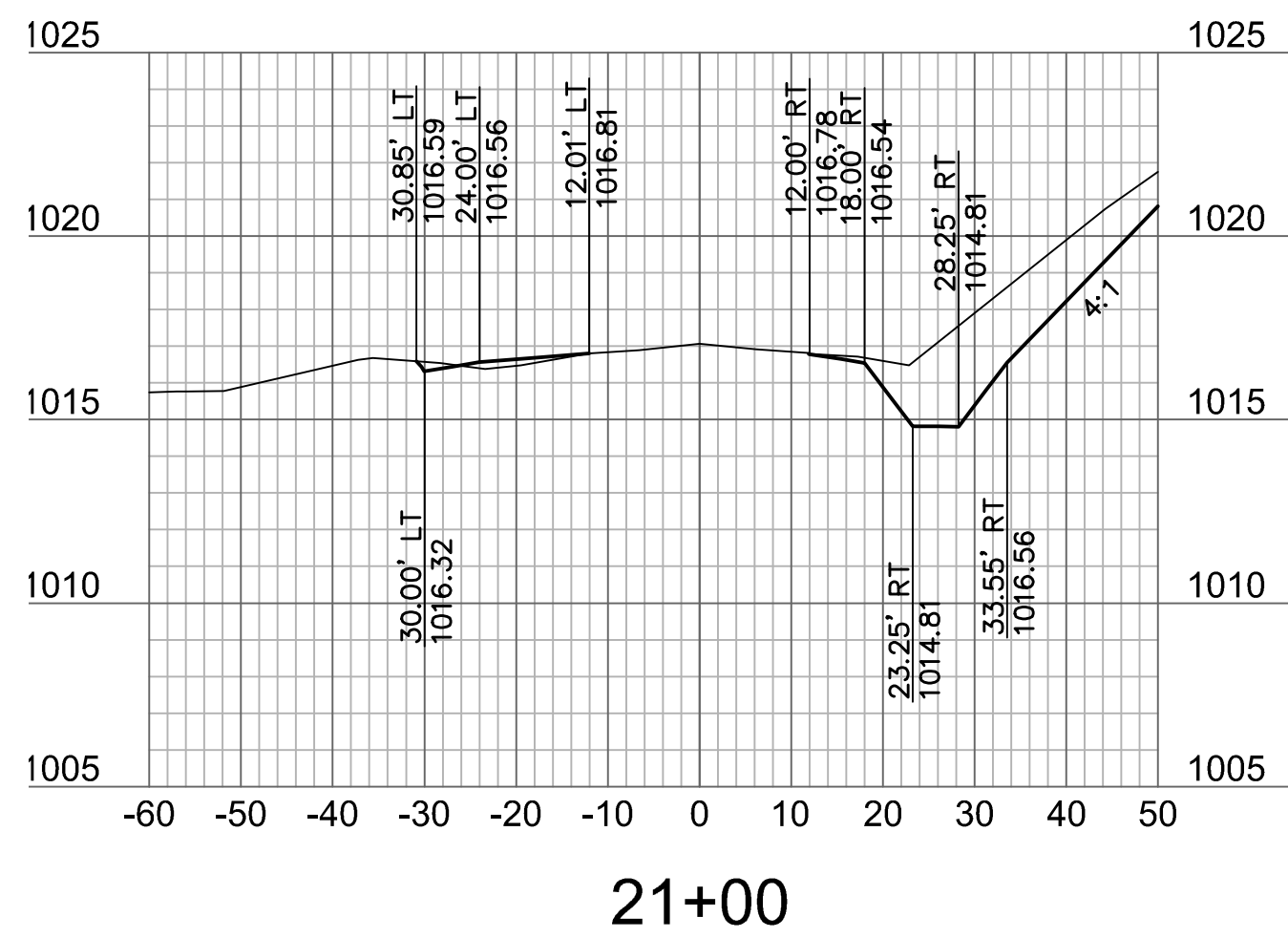
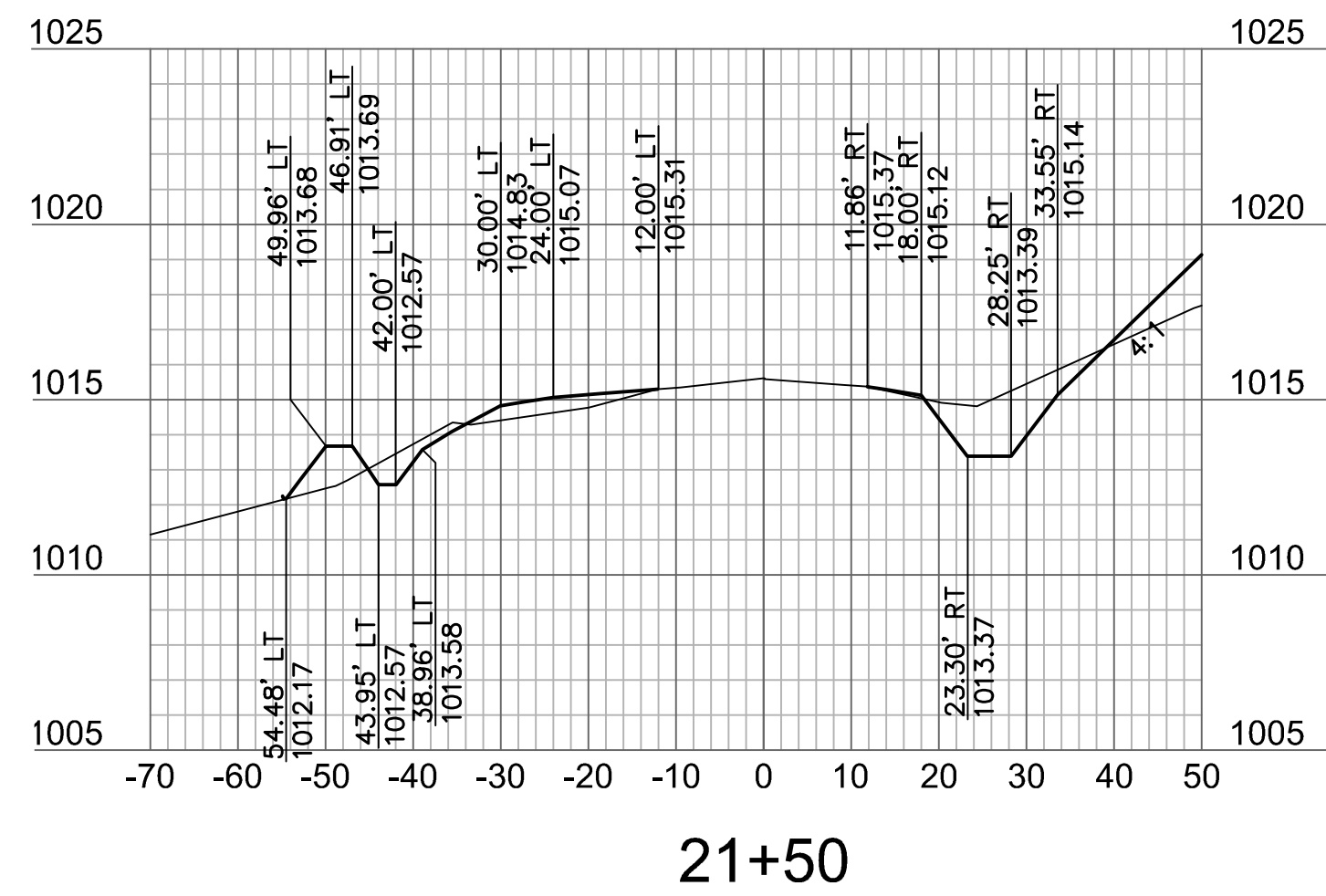


CROSS SECTION PROFILE (1-2)		BY	
HAWTHORN RIDGE 1ST PLAT		REVISIONS DESCRIPTION	
		NO. REV.	DATE
LEE'S SUMMIT, MO		2017	
		REVISIONS	
SHEET C316			

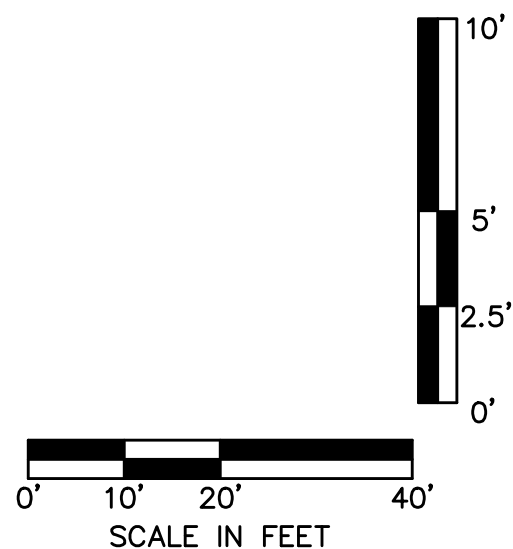
drawn by: DAHQ
checked by: M.G.D.
designed by: P.M.D.
QA/QC by: K.S.P.
project no.: 017-0188
date: 03.03.2017

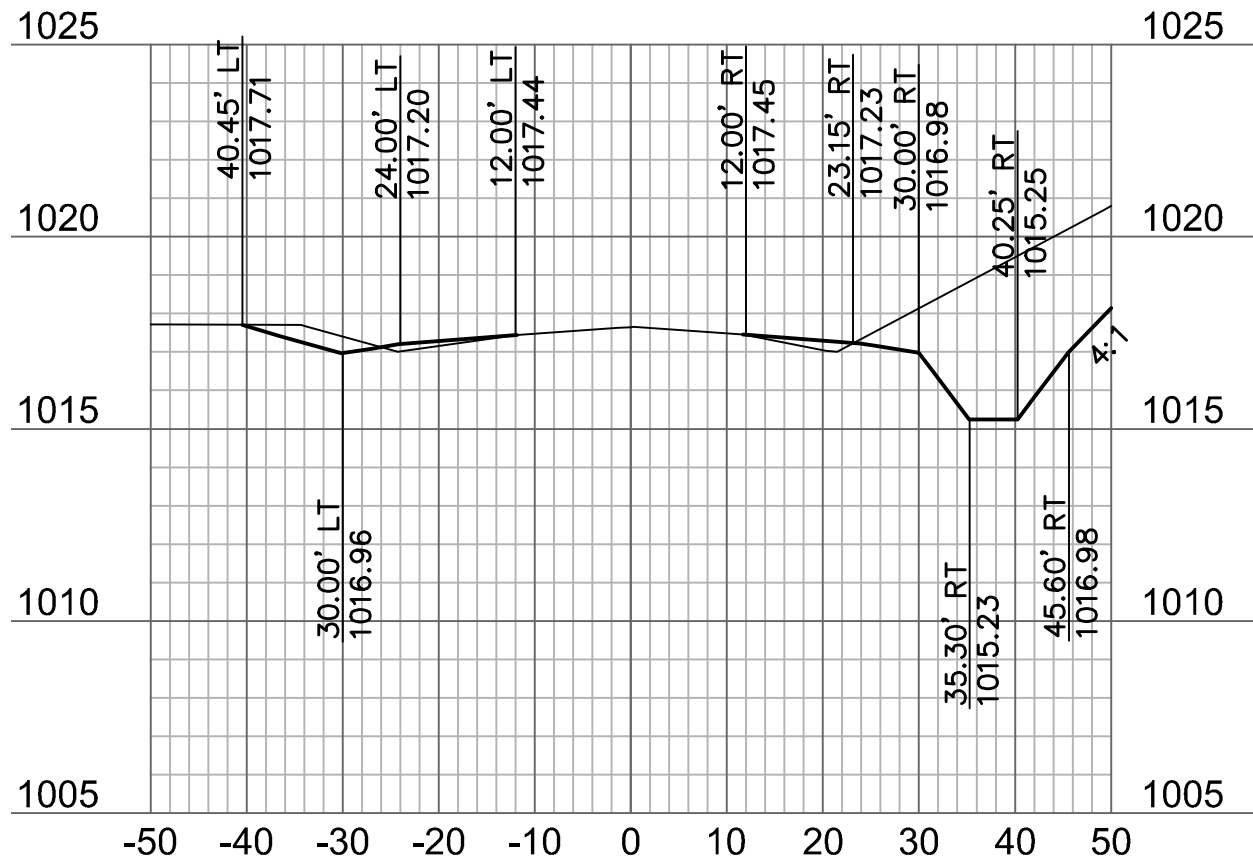


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FAX 816.897.1393
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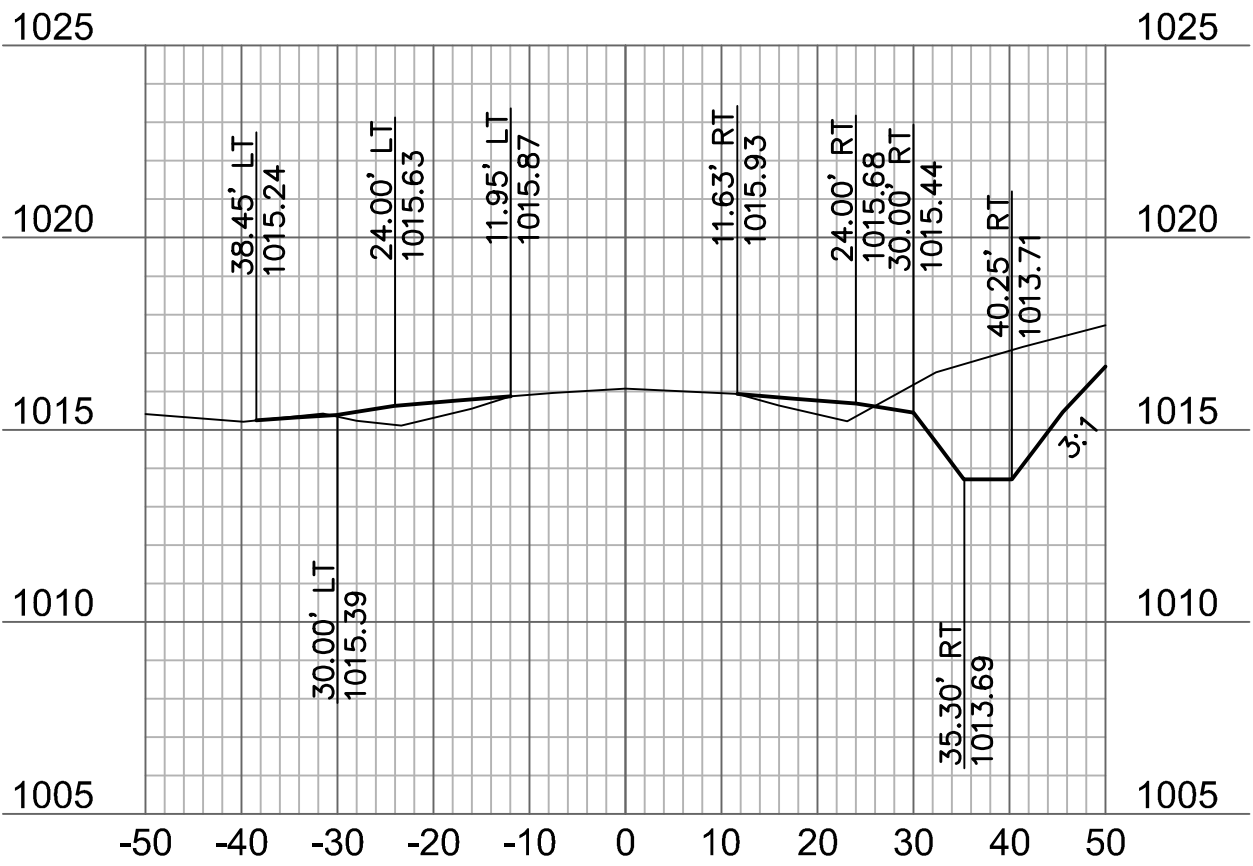


NOTE: WHERE GRADING EXCEEDS CROSS SECTION
VIEW ON RIGHT SIDE, SEE HAWTHORN RIDGE 1ST
PLAT STREET AND STORM SEWER PLANS FOR
CONTINUATION OF GRADING.

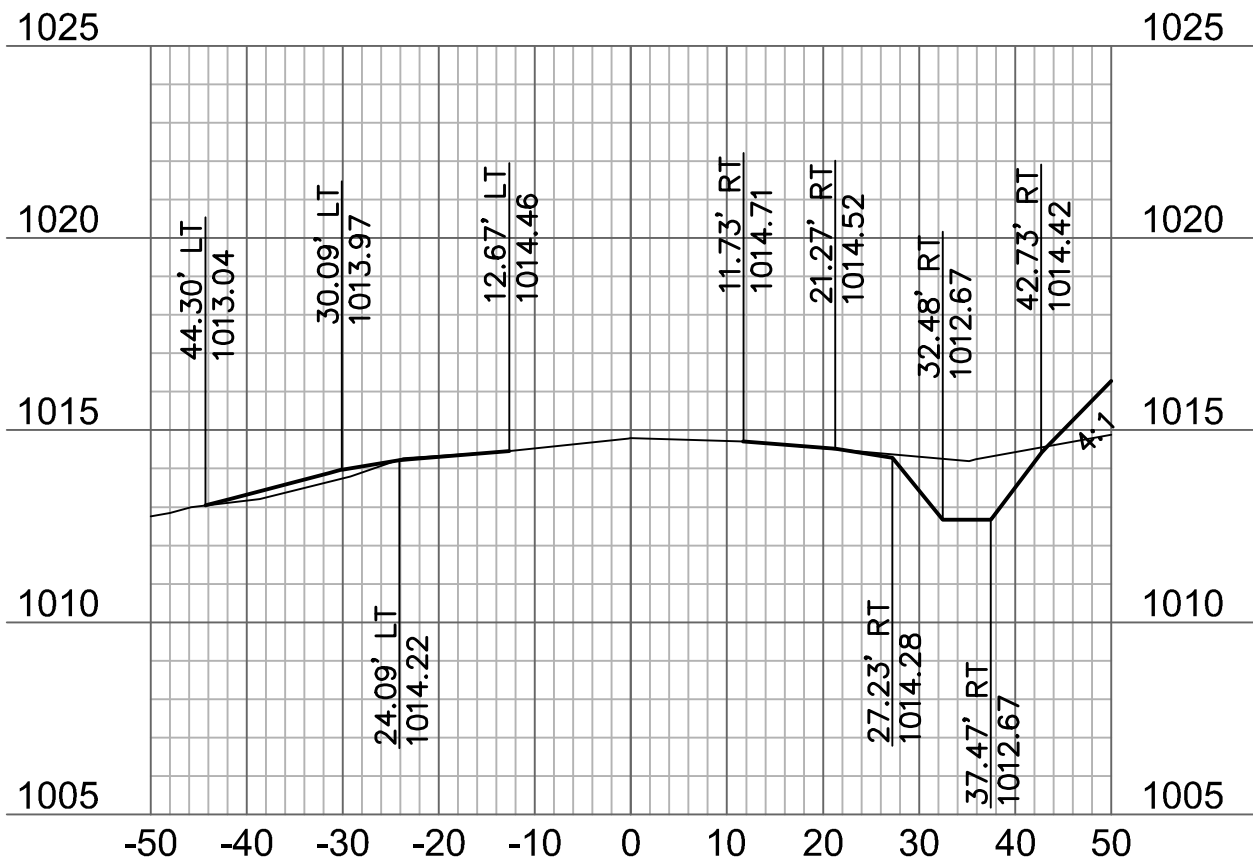




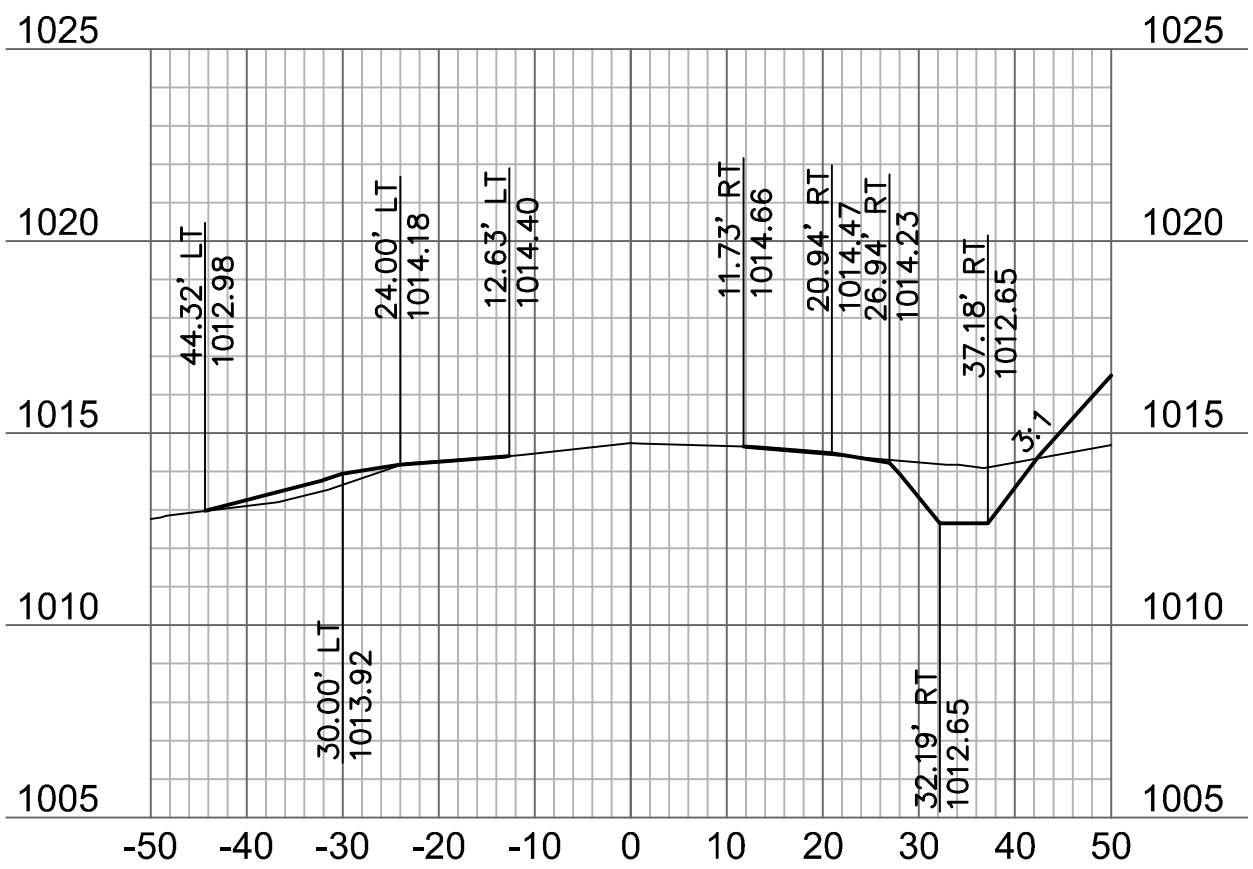
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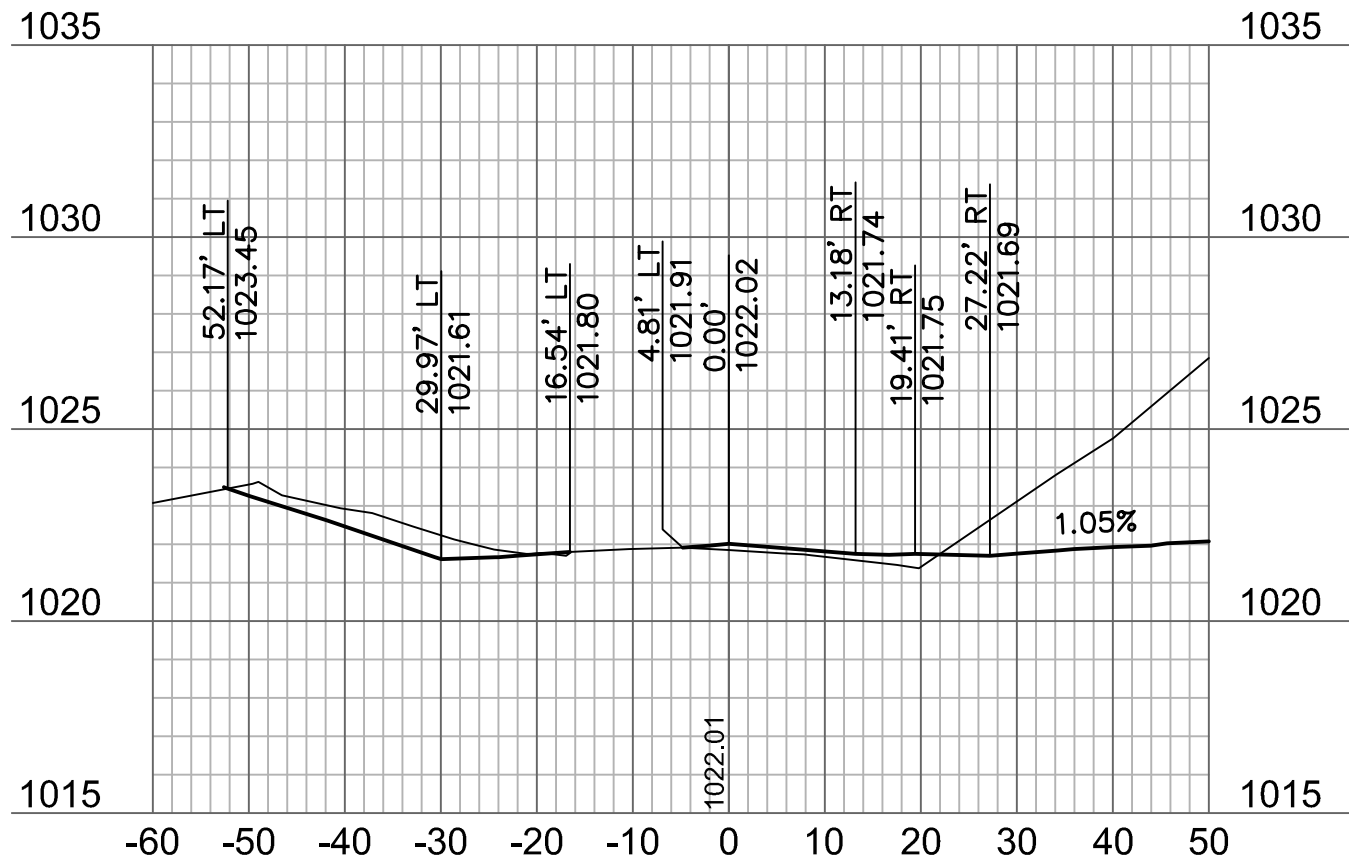
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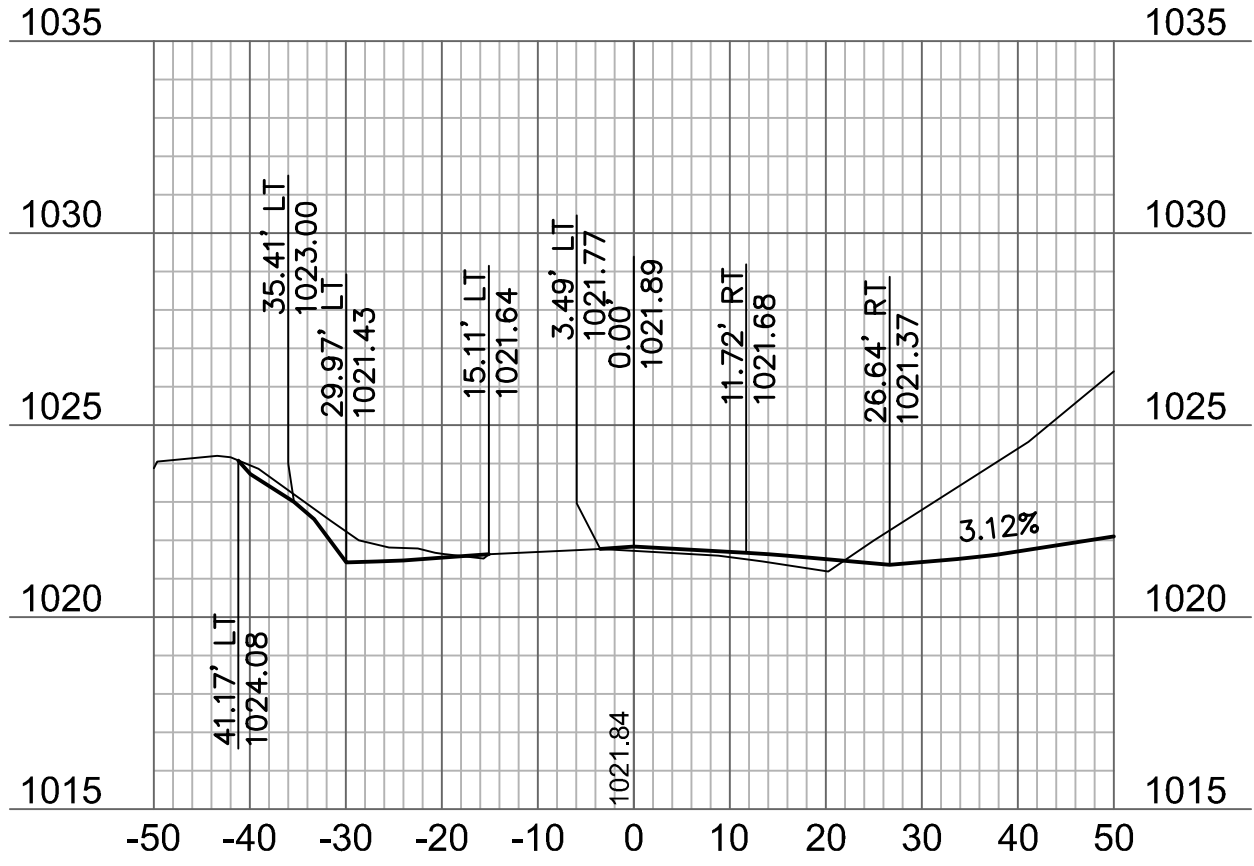
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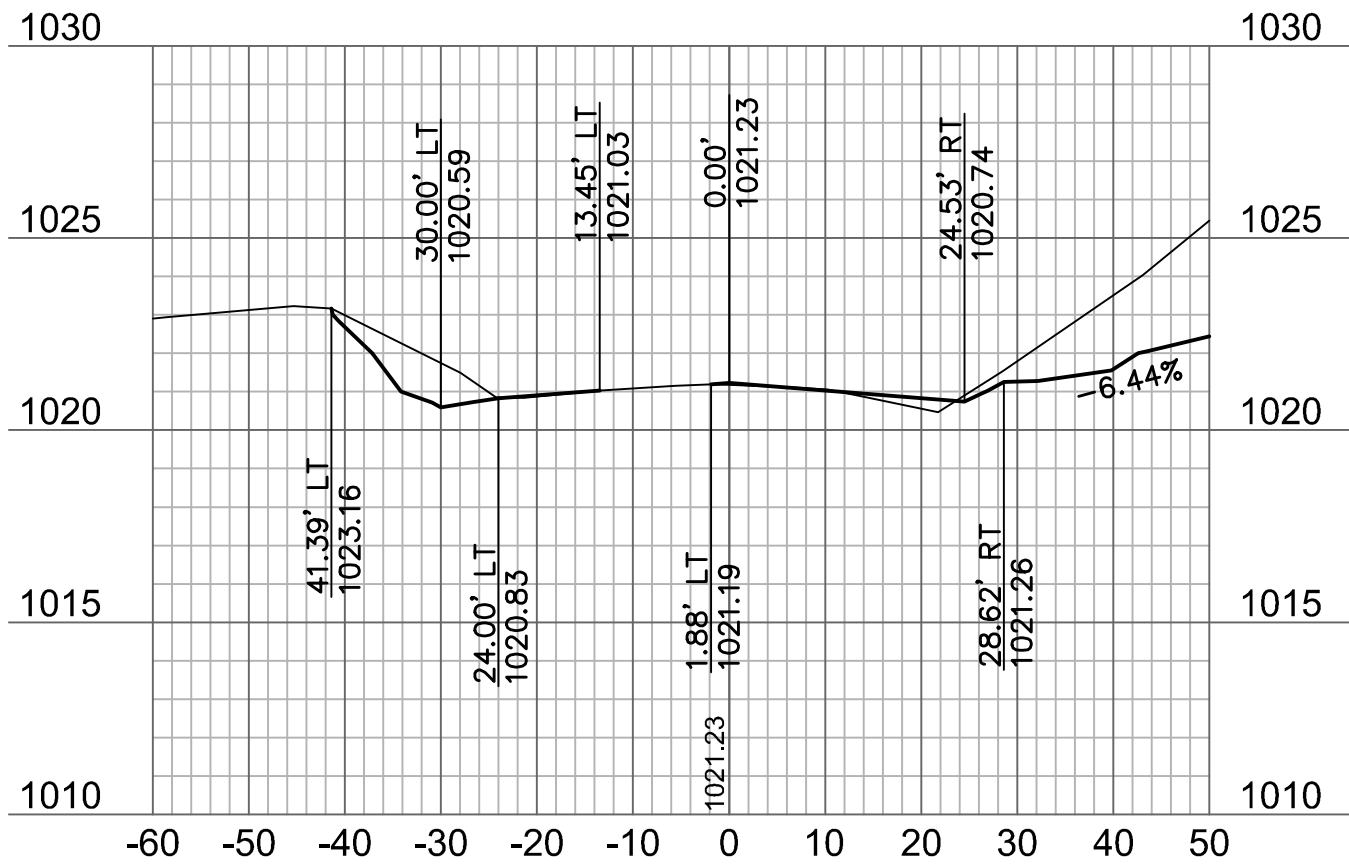
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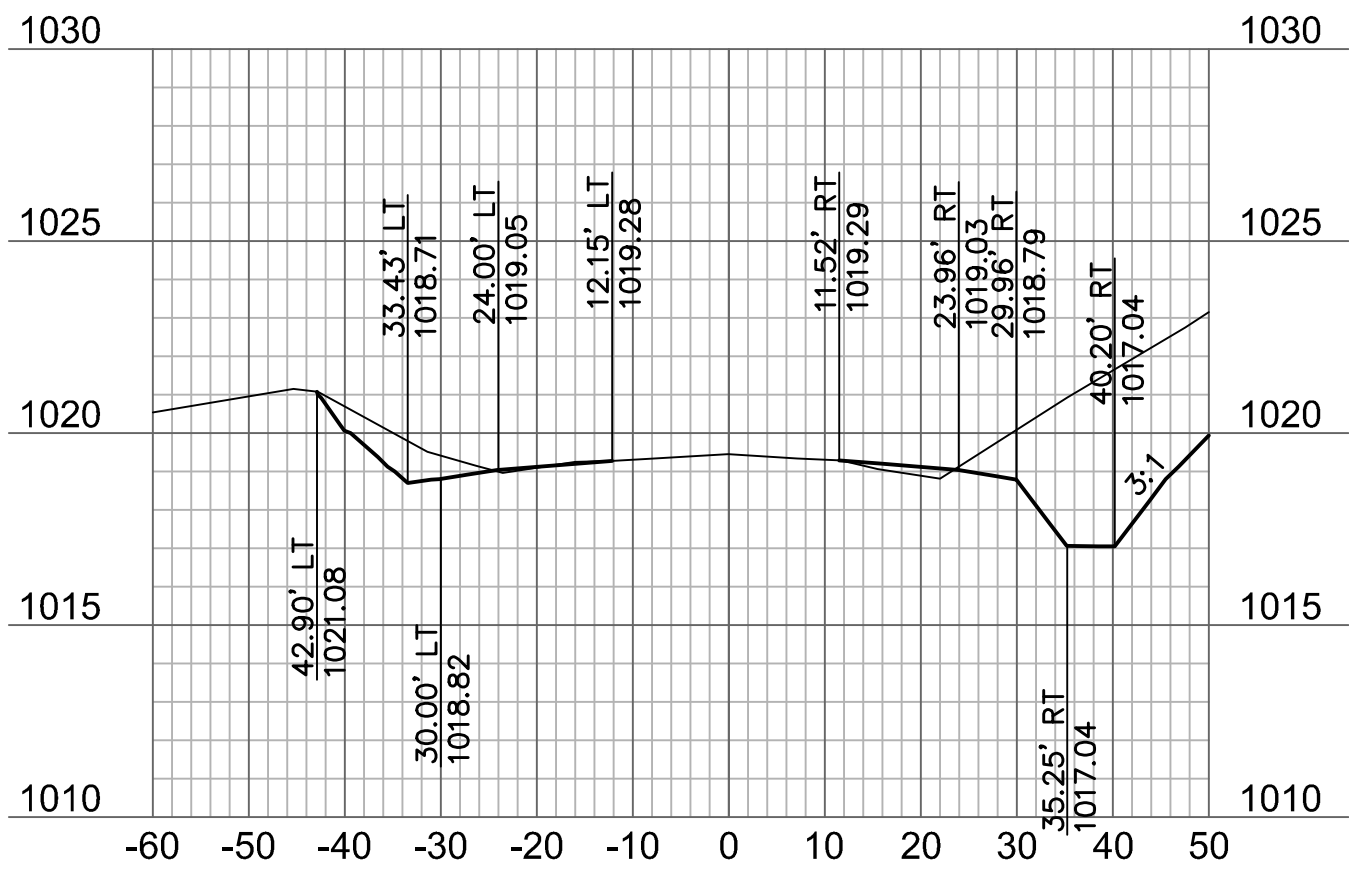
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25+79.18

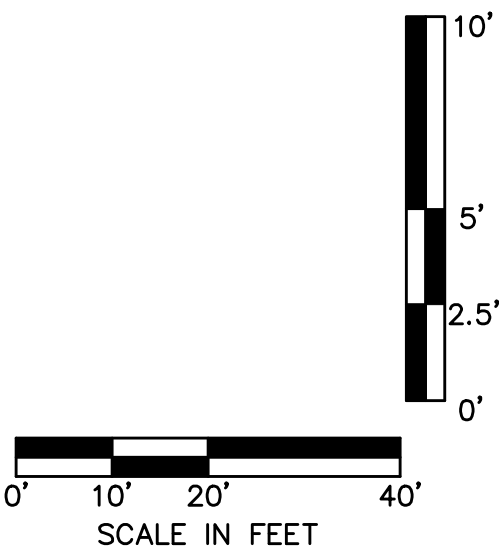


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NOTE: WHERE GRADING EXCEEDS CROSS SECTION VIEW ON RIGHT SIDE, SEE HAWTHORN RIDGE 1ST PLAT STREET AND STORM SEWER PLANS FOR CONTINUATION OF GRADING.



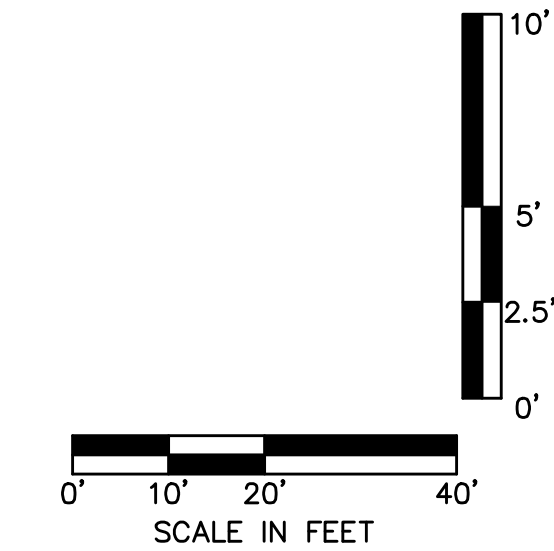
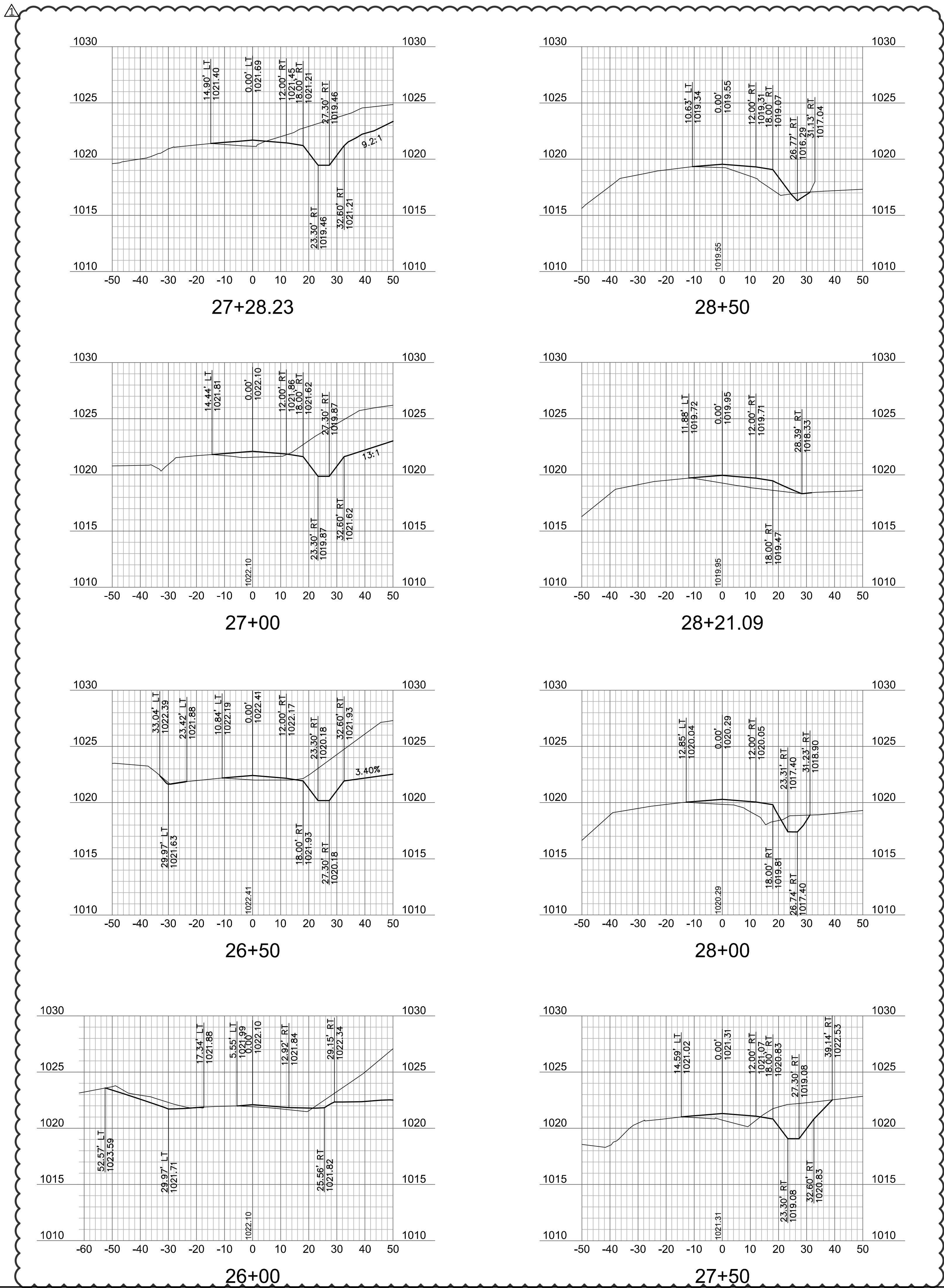
CROSS SECTION PROFILE (2-2)

HAWTHORN RIDGE
1ST PLAT

LEE'S SUMMIT, MO

drawn by: DAHJO
checked by: M.G.D.
designed by: E.M.L.
QA/QC by: K.S.P.
project no.: 017-0188
date: 03.03.2017

BY:
REVISIONS DESCRIPTION
Revised Cross Sections For Shifted Road Crown
NO. REV. DATE
1 12.13.2017
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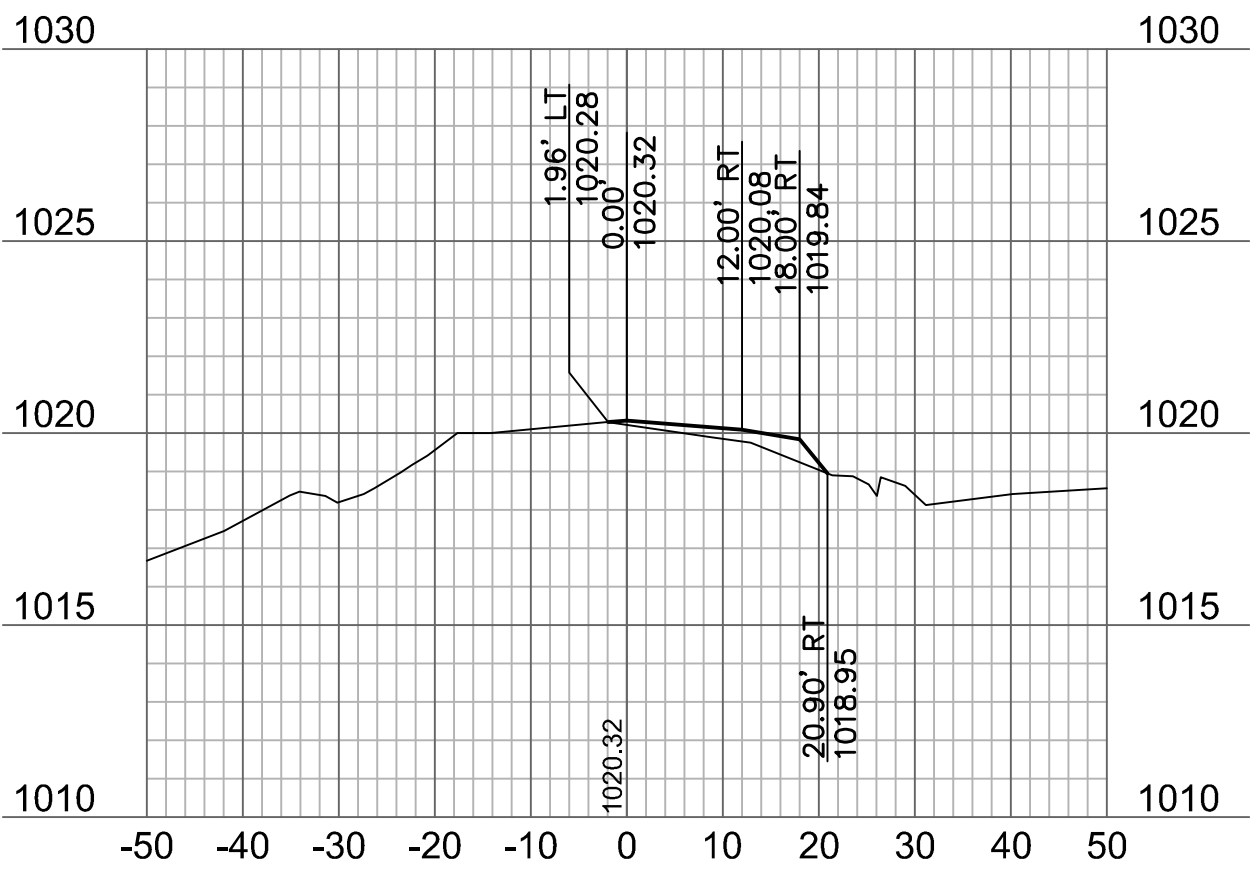
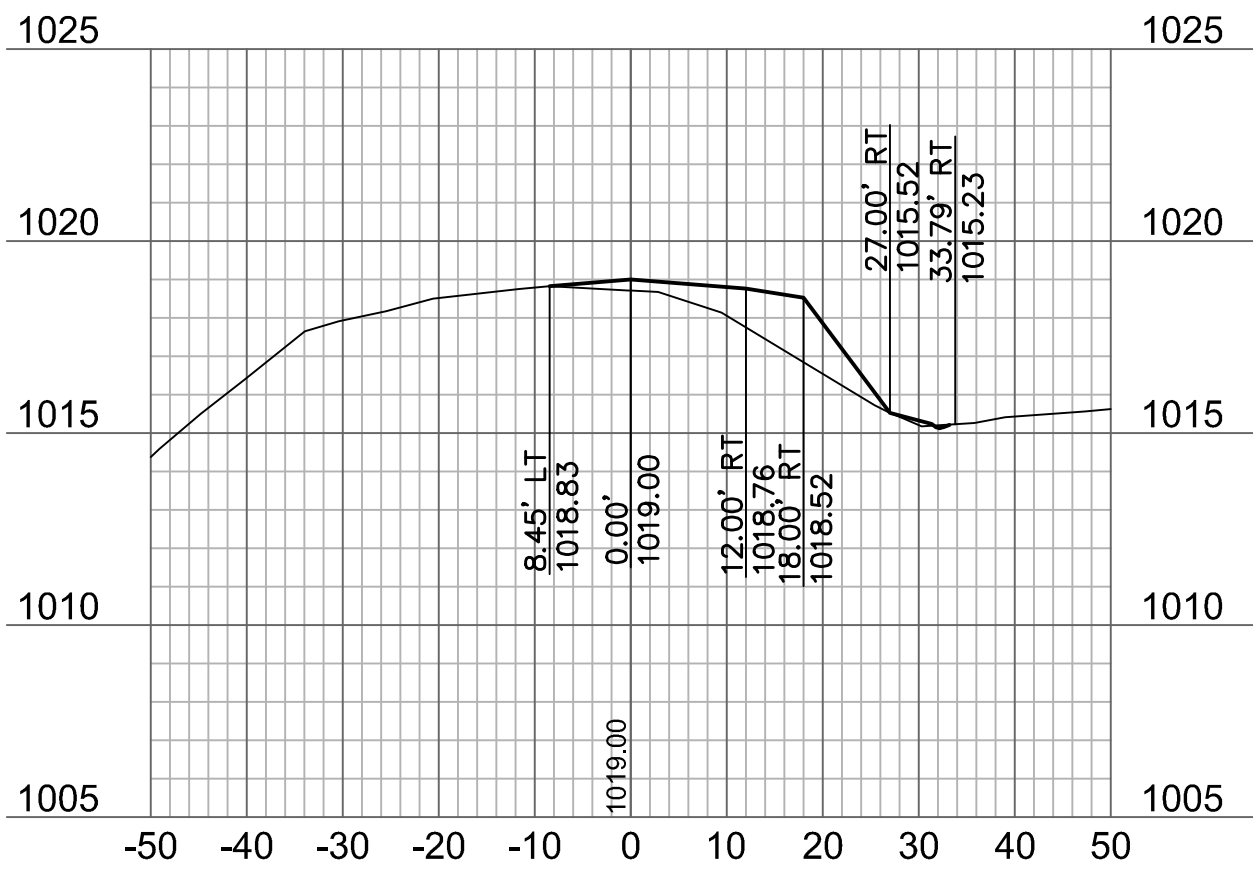
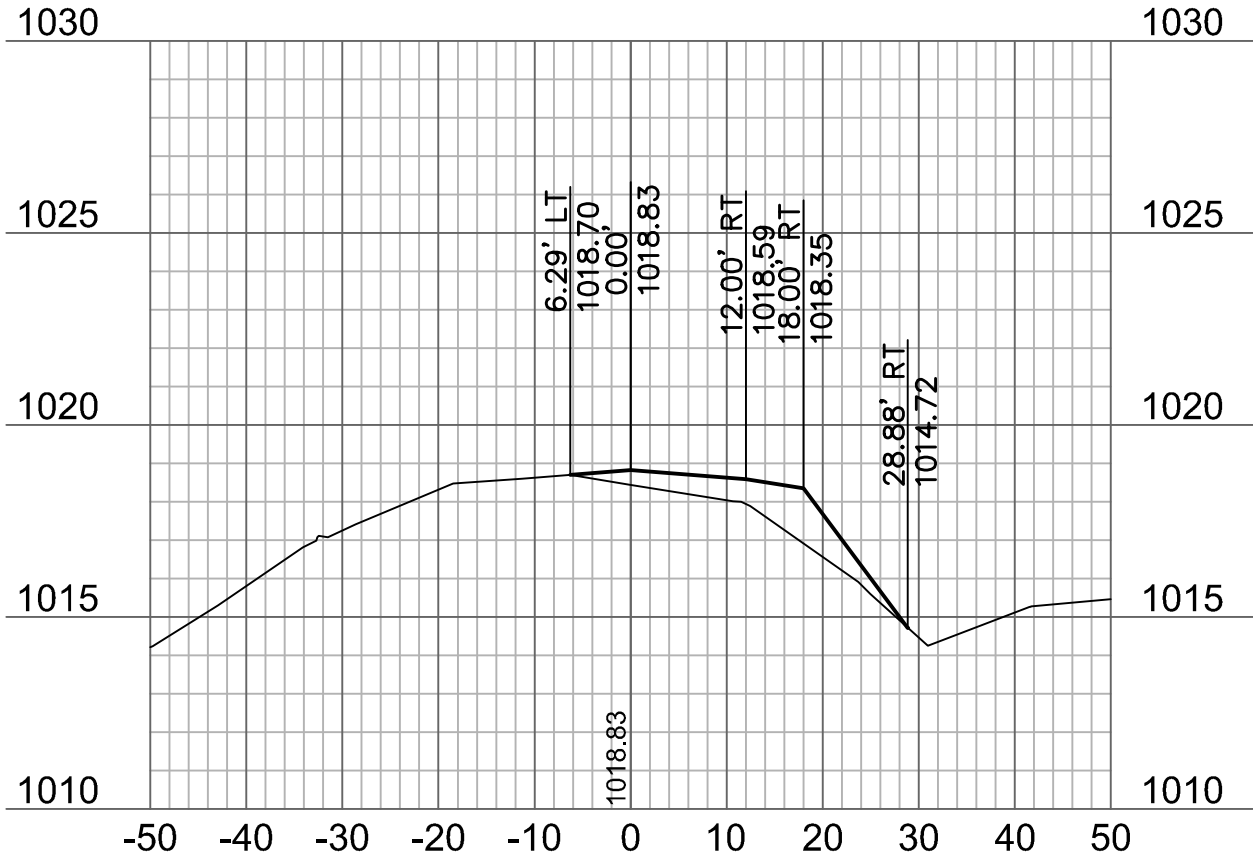
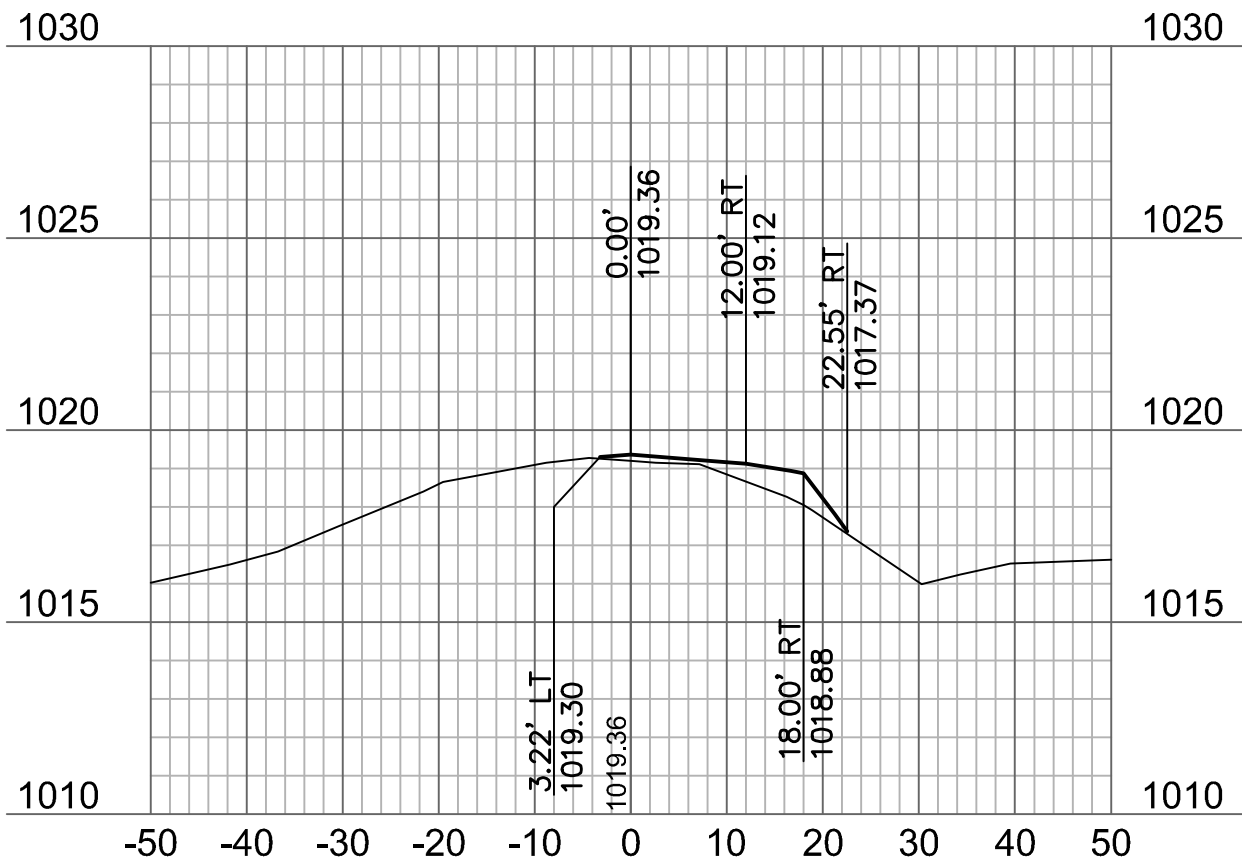
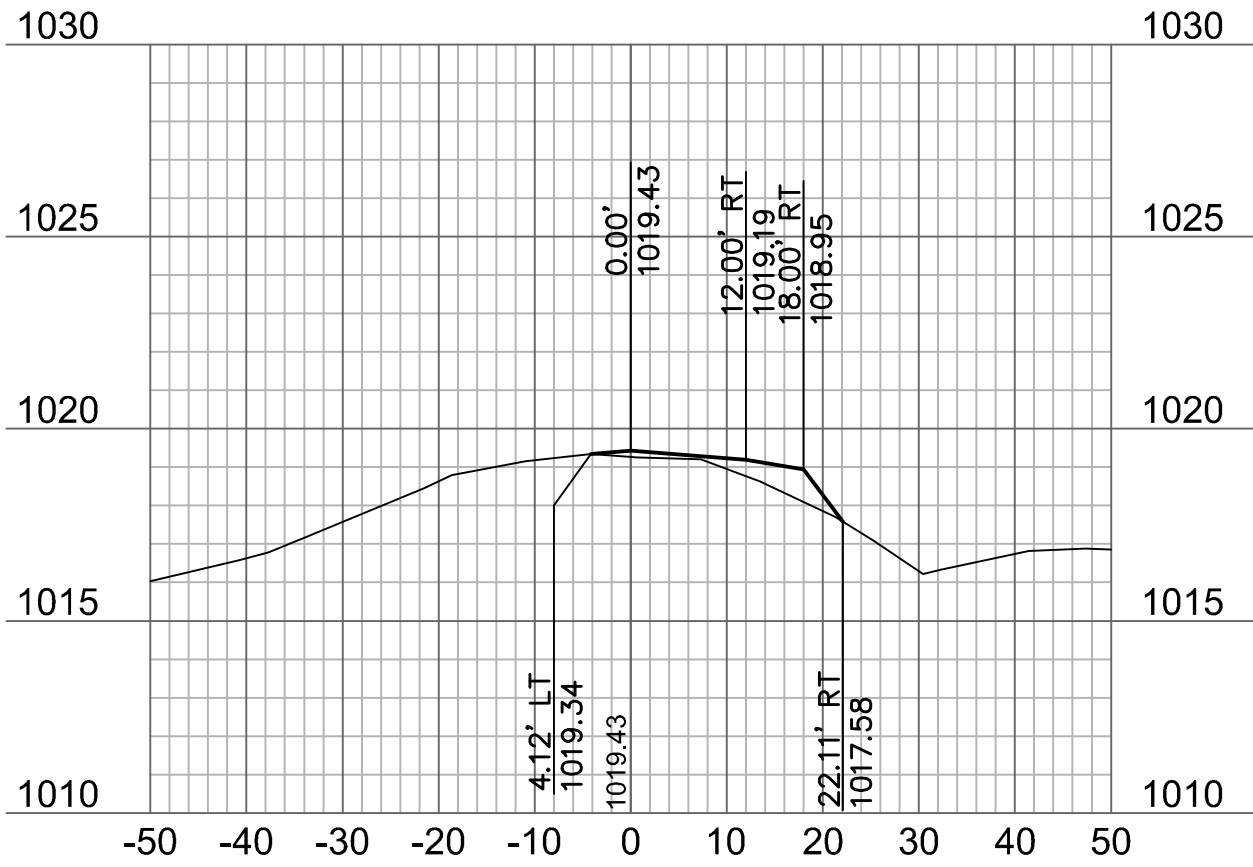


NOTE: WHERE GRADING EXCEEDS CROSS SECTION VIEW ON RIGHT SIDE, SEE HAWTHORN RIDGE 1ST PLAT STREET AND STORM SEWER PLANS FOR CONTINUATION OF GRADING.

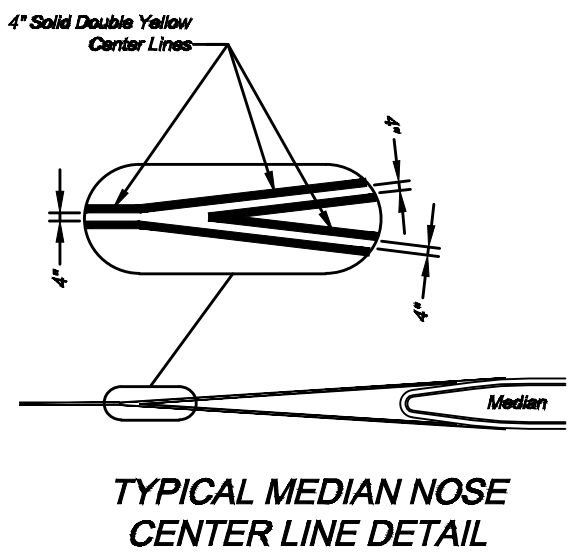
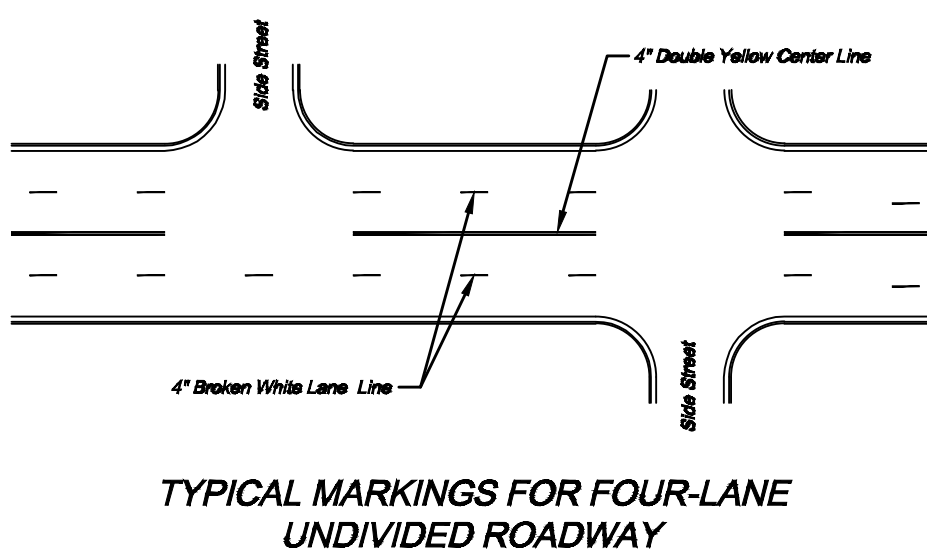
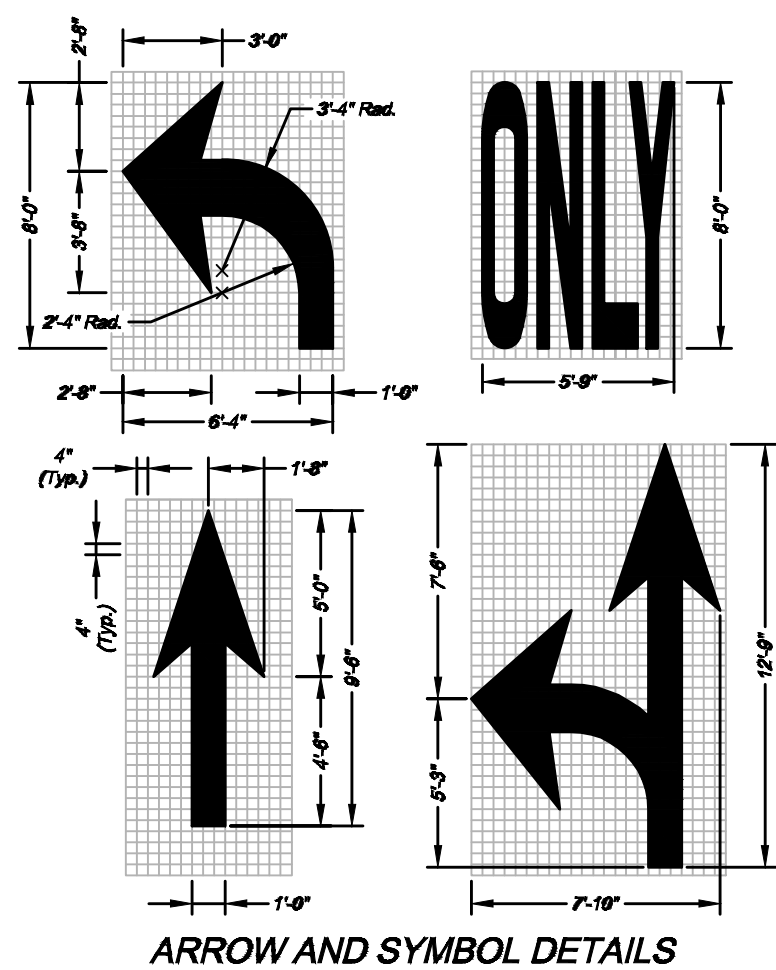
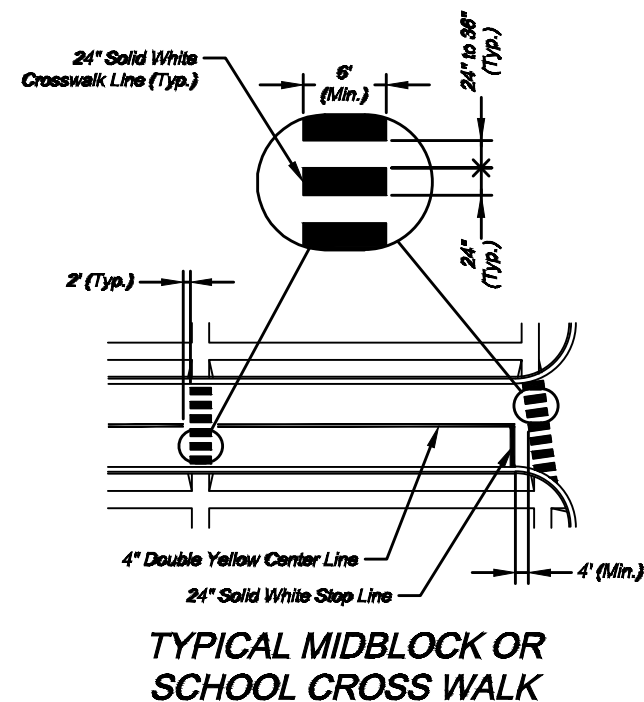
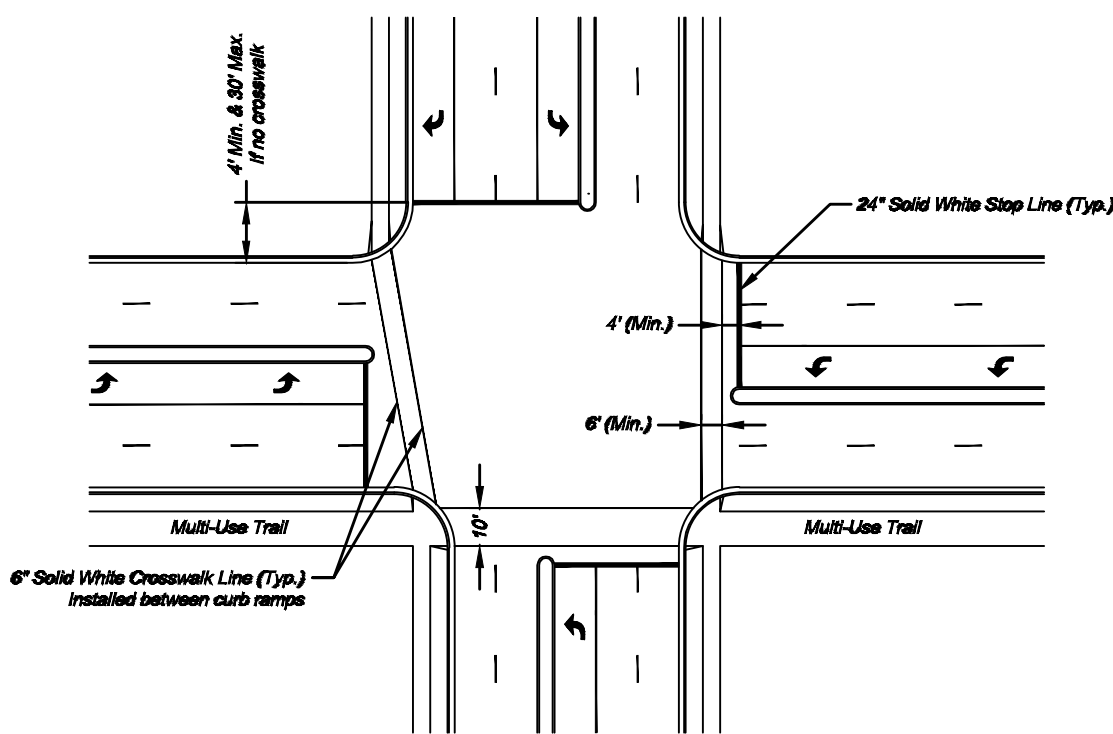
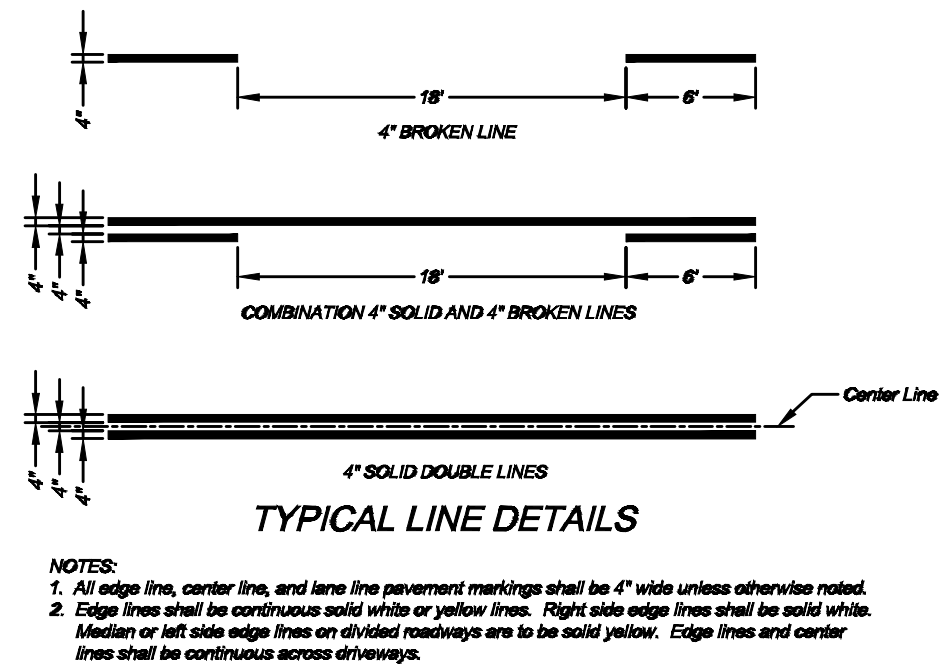
CROSS SECTION PROFILE (3)		NO. REV.		DATE	REVISIONS DESCRIPTION	BY
HAWTHORN RIDGE 1ST PLAT		1	12.13.2017	Revised Cross Sections For Shifted Road Crown		
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		3				
		4				
LEE'S SUMMIT, MO		2017		REVISIONS		
SHEET C319		drawn by: D.A.H.Q. checked by: M.G.D. designed by: E.M.L. QA/QC by: K.S.J. project no.: 017-0188 date: 03.03.2017				

Olsson Associates - Civil Engineering
Professional Engineer
No. 2011000892
Date: 12-14-17
Melissa G. DeGonia
STATE OF MISSOURI
PE-2011000892
12-14-17
PROFESSIONAL ENGINEER

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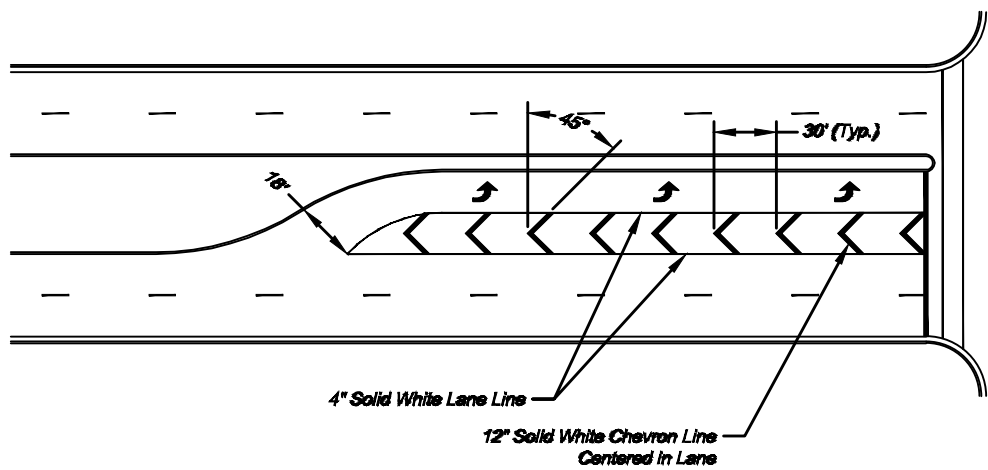
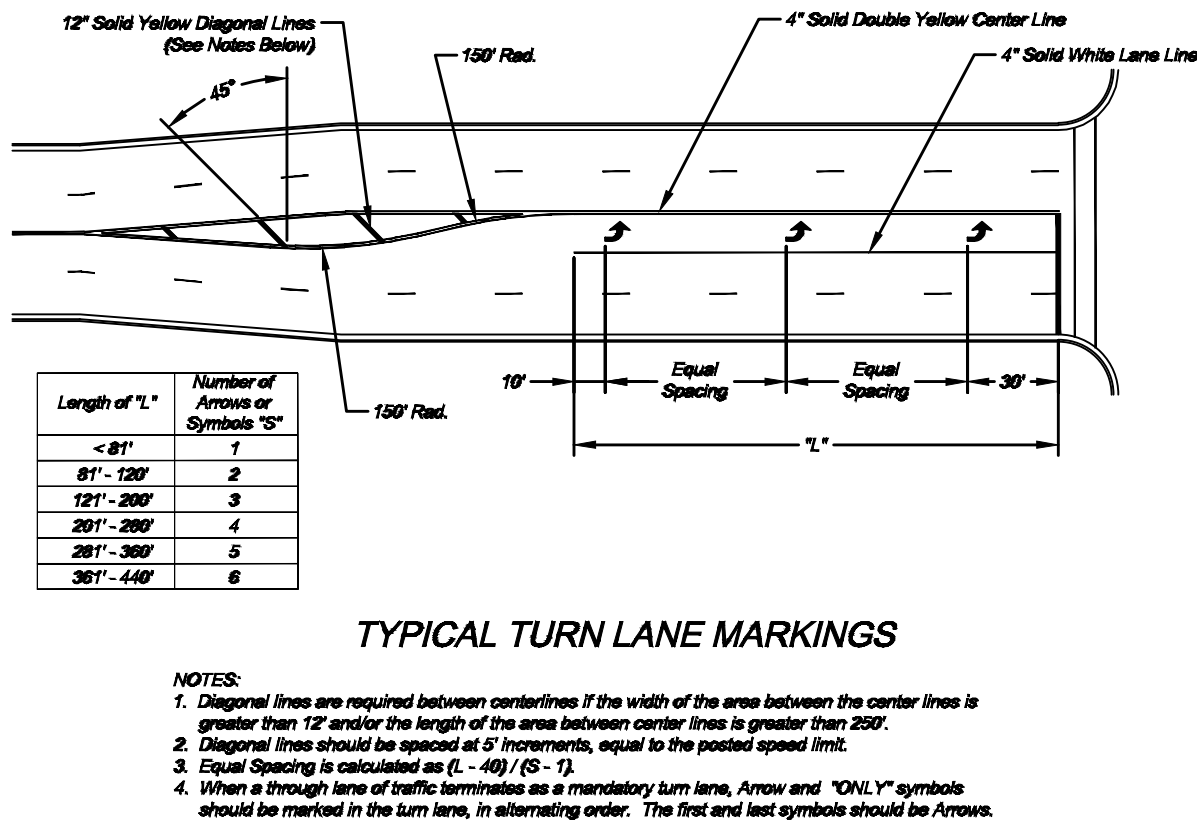
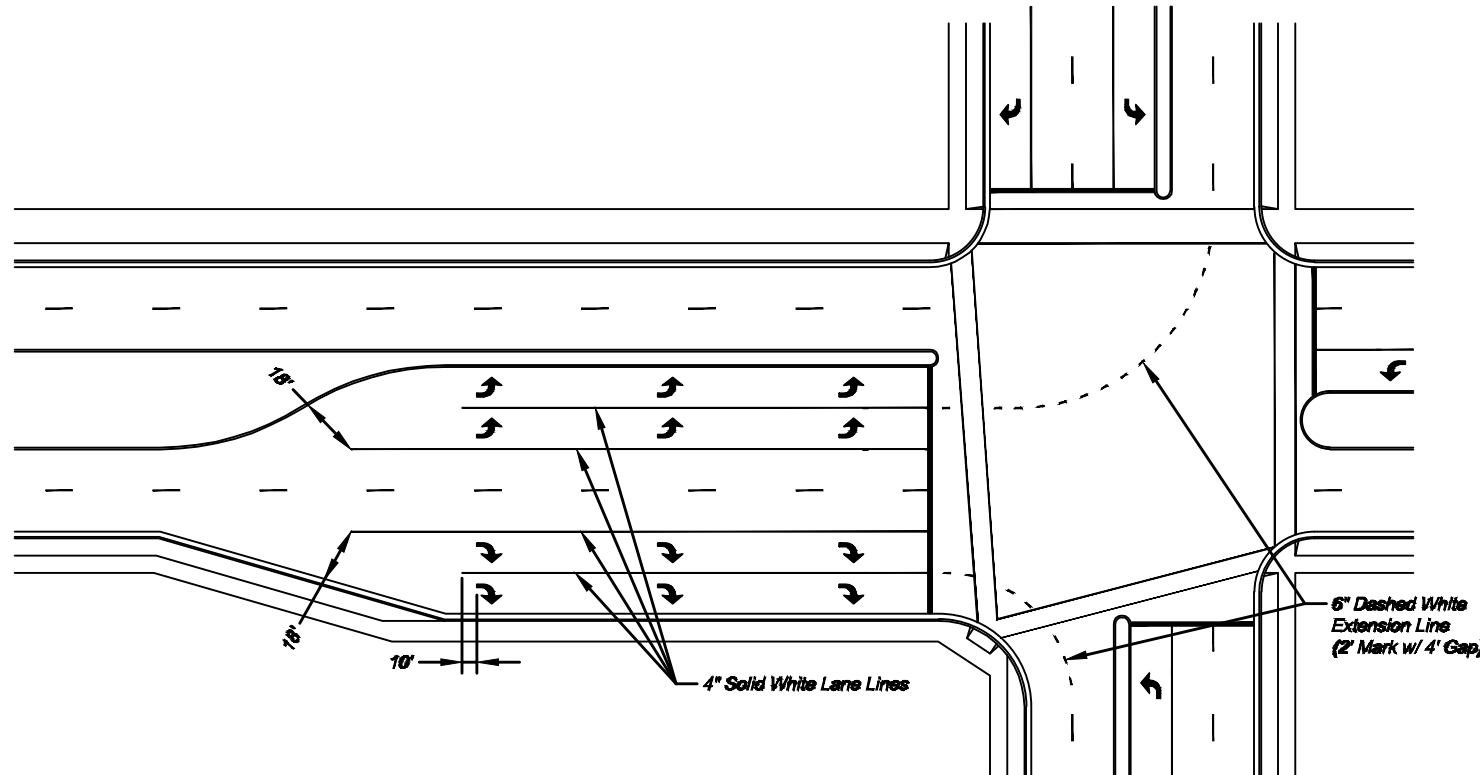
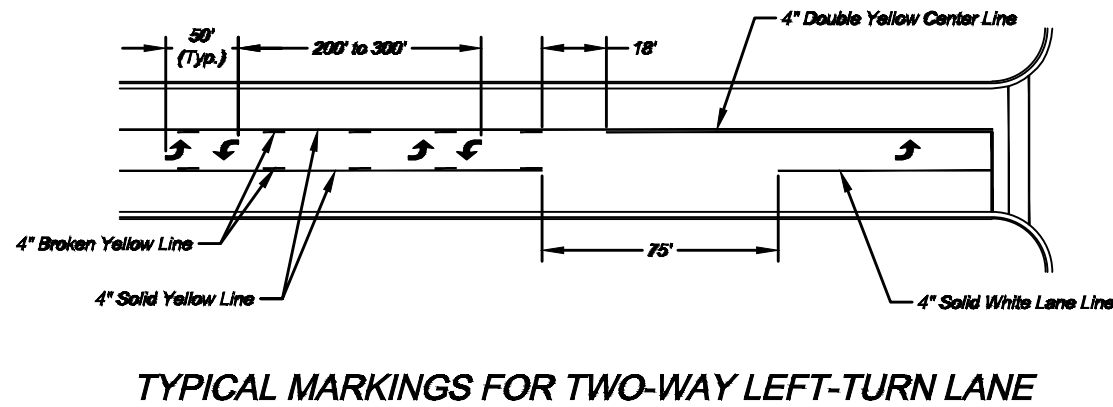


01 N.T.S.
ROADWAY MARKING DETAILS – CITY OF LEE’S SUMMIT



- PAVEMENT MARKING GENERAL NOTES:
1. All pavement markings shall be in accordance with the latest edition of the *Manual on Uniform Traffic Control Devices (MUTCD)*.
 2. All words and symbols shall conform to the latest edition of *Standard Alphabets for Highway Signs and Pavement Markings* printed by the U.S. Department of Transportation, Federal Highway Administration.
 3. Pavement markings, either temporary or permanent are required at all times if the roadway is open to traffic.
 4. All pavement markings that conflict with the desired markings shall be completely removed. Removals shall not leave the road surface scarred with an image that misleads traffic. Any excess damage or scarring of pavement shall be repaired at the Contractor's expense.
 5. The proposed permanent markings shall be laid out by the Contractor in advance of the marking installation. Markings shall not be applied until the layout has been approved by the City Traffic Engineer.
 6. Center lines shall be marked on all undivided arterial streets, and any other undivided street with more than two lanes and/or a speed limit of 30 mph or more.
 7. Edge lines shall be marked on all non-curbed streets.

02 N.T.S.
INTERSECTION MARKING DETAILS – CITY OF LEE’S SUMMIT



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STATE OF MISSOURI

MELISSA G. DECONIA
NUMBER
PE-2011000892
2-14-17
PROFESSIONAL ENGINEER

BY

REVISIONS DESCRIPTION

DATE

NO. REV.

DETAILS

HAWTHORN RIDGE
1ST PLAT

LEE'S SUMMIT, MO

2017

drawn by: D.A.H.O.
checked by: M.G.D.
designed by: P.M.L.
QA/QC by: K.S.J.
project no.: 017-0188
date: 03.03.2017

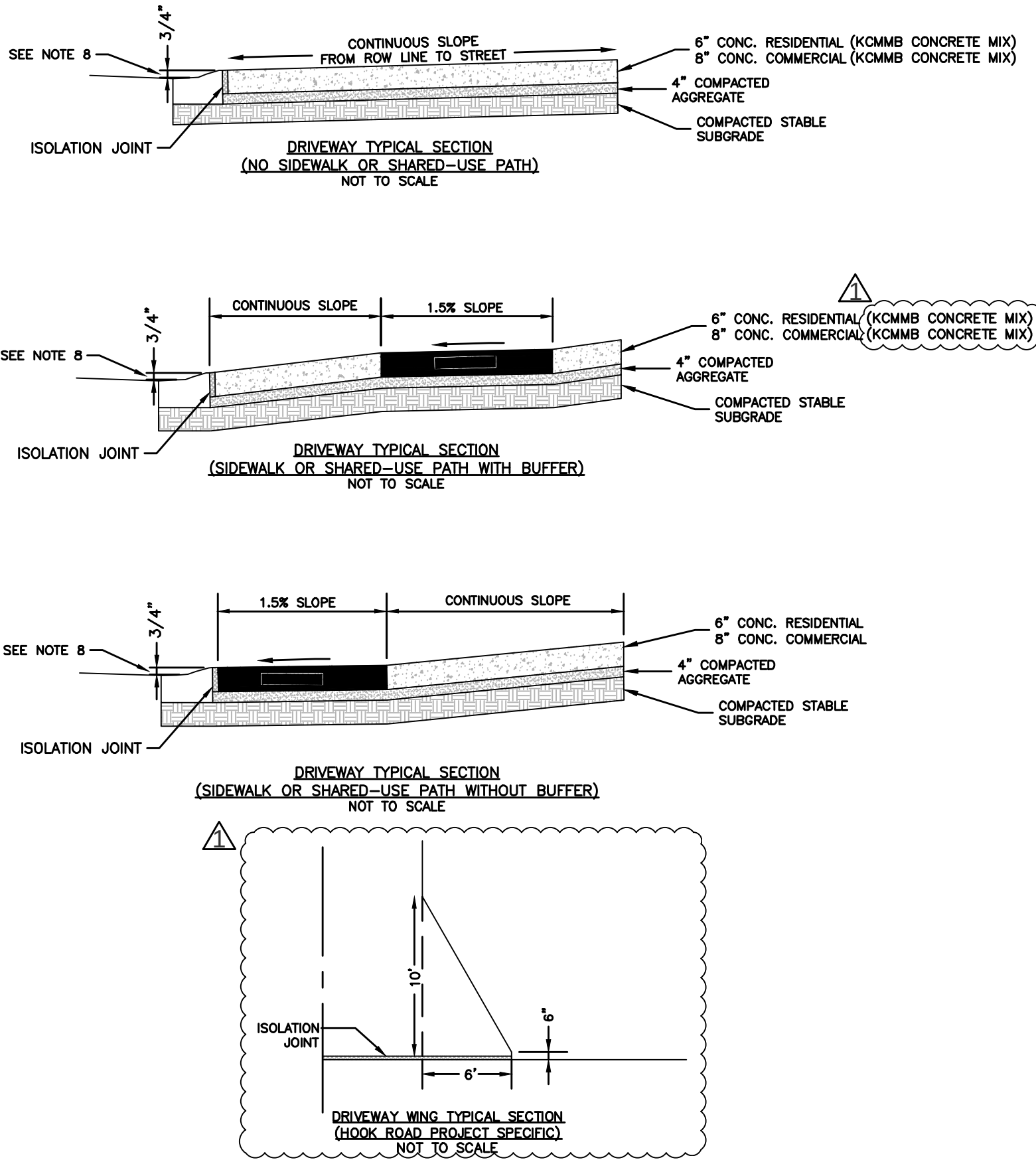
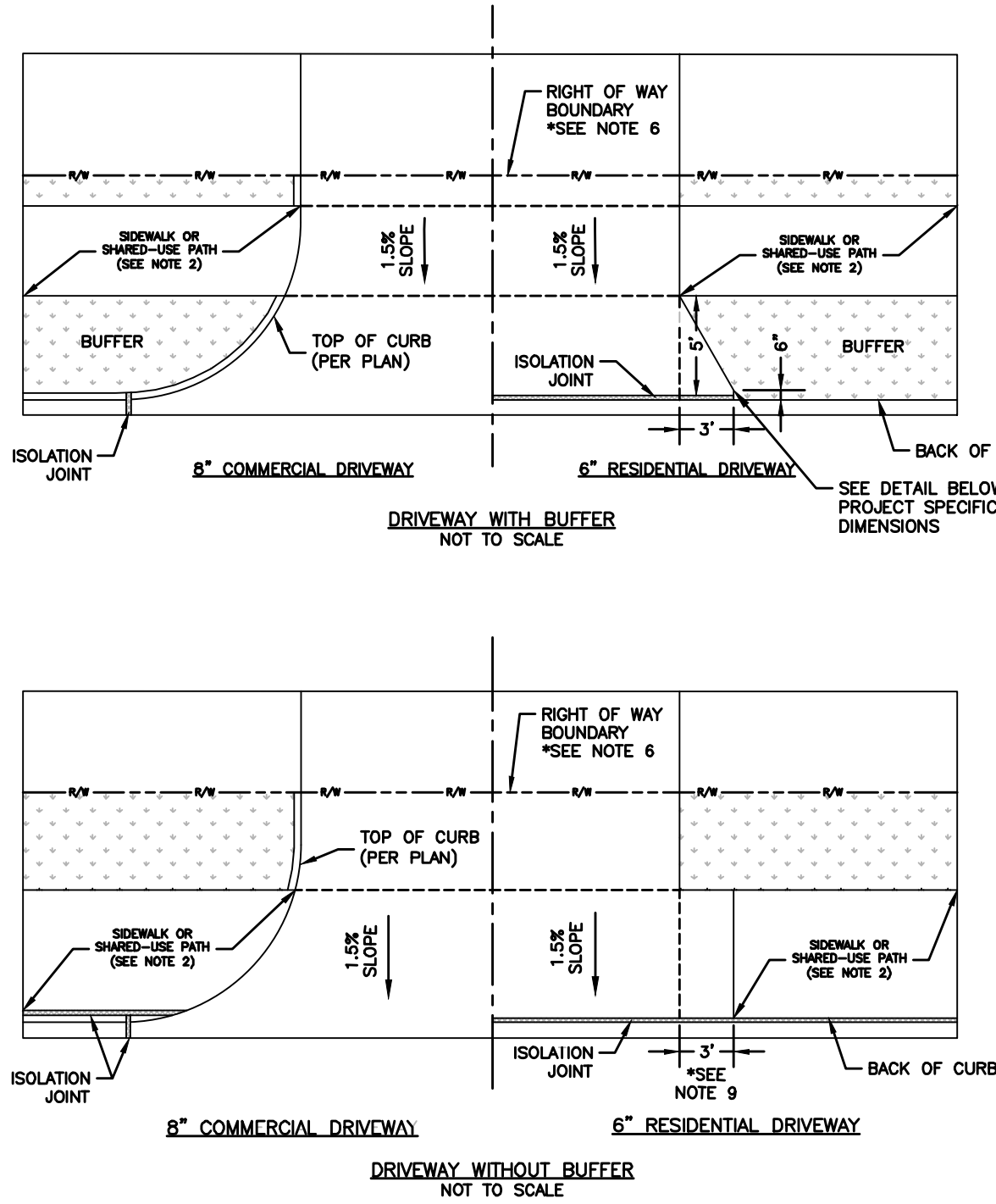
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DRIVEWAY DETAIL – CITY OF LEE’S SUMMIT

- GENERAL NOTES
- SUBGRADE SHALL BE STABLE, COMPACTED EARTH AND SHALL BE OVERLAYED WITH 4" COMPACTED DENSE GRADED AGGREGATE BASE.
 - ALL DRIVE APPROACHES SHALL MEET CURRENT PUBLIC RIGHT OF WAY ACCESSIBILITY GUIDELINES (PROWAG) FOR SLOPE REQUIREMENTS WHEN SIDEWALK IS REQUIRED (SEE ADA RAMP RETROFIT DETAIL).
 - JOINT AT BACK OF CURB LINE SHALL BE AN ISOLATION JOINT FOR RESIDENTIAL DRIVEWAYS.
 - KOMMB 4K CONCRETE MIX IS REQUIRED FOR ALL CURBS.
 - COMMERCIAL DRIVEWAYS AND DRIVEWAY APPROACHES, IN THE PUBLIC RIGHT OF WAY, SHALL BE KOMMB 4K CONCRETE MIX.
 - A JOINT MUST BE INSTALLED AT THE RIGHT OF WAY BOUNDARY FOR PROPERTY DELINEATION.
 - WHITE CURING COMPOUND MUST BE APPLIED UNIFORMLY TO THE CONCRETE SURFACE IMMEDIATELY AFTER FINAL FINISHING.
 - 3/4" FROM TOP OF CURB TO FLOWLINE AT DRIVEWAY (TYPE CG-1 CURB ONLY). MUST MAINTAIN ORIGINAL FLOWLINE OF CURB.
 - SIDEWALK ADJOINING CURB SHALL BE 6" THICK, EXTENDING 3' FROM THE DRIVEWAY.
 - THE MAXIMUM WIDTH OF A RESIDENTIAL DRIVEWAY IS 36 FEET WITHIN THE RIGHT OF WAY.



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DETAILS	HAWTHORN RIDGE 1ST PLAT	LEE'S SUMMIT, MO	2017

drawn by: D.A.H.O.
checked by: M.G.D.
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