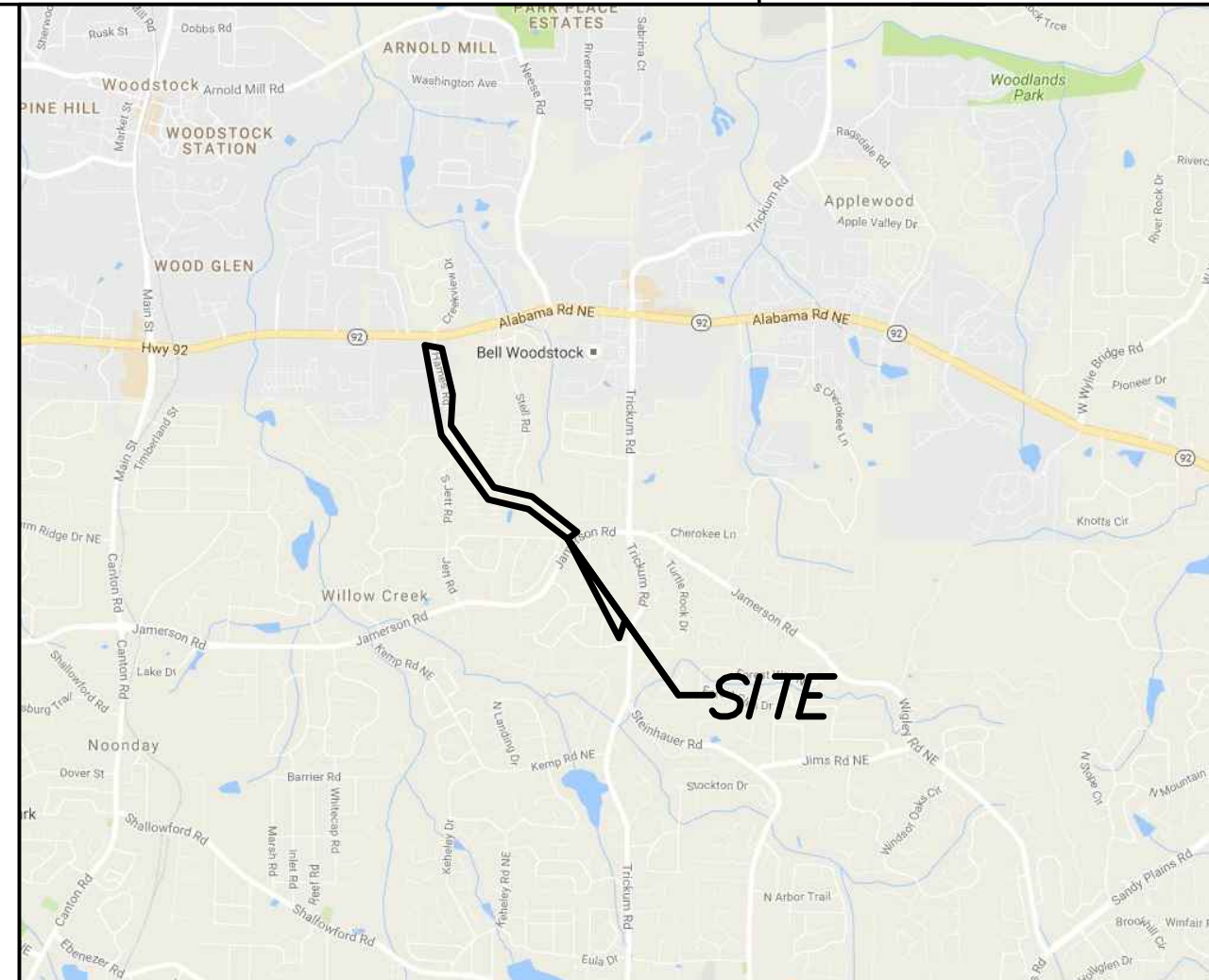


CHEROKEE COUNTY DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE OF PROPOSED HAMES ROAD IMPROVEMENTS

FEDERAL ROUTE # N/A
STATE ROUTE # N/A



LOCATION SKETCH

**P.O.C. STA. 11+00.00
BEGIN CONSTRUCTION
HAMES ROAD
N 1486530.9505
E 2195980.6190**

NOTES:

1. THIS PROJECT HAS BEEN DESIGNED TO COMPLY WITH THE TITLE II PROVISIONS OF THE AMERICANS WITH DISABILITIES ACT (ADA).
2. ALL WORK TO BE DONE IN ACCORDANCE WITH STANDARD SPECIFICATIONS OF THE DEPARTMENT OF TRANSPORTATION OF GEORGIA CURRENT EDITION AS APPROVED BY THE FEDERAL HIGHWAY ADMINISTRATION.

**LOCATION & DESIGN
APPROVAL DATE: DECEMBER 17, 2010
FUNCTIONAL CLASS:
URBAN MINOR ARTERIAL**

**THIS PROJECT IS 100% IN
CHEROKEE COUNTY AND IS
100% IN CONGRESSIONAL
DISTRICT NO. 11.**

**PROJECT DESIGNATION: EXEMPT
DESIGNED IN ENGLISH UNITS.**

**THIS PROJECT HAS BEEN PREPARED
USING THE HORIZONTAL GEORGIA
COORDINATE SYSTEM OF 1984 (NAD
1983)/94 WEST ZONE, AND THE NORTH
AMERICAN VERTICAL DATUM (NAVD)
OF 1988.**

DESIGN CRITERIA

Design Speed:	30 MPH
Classification:	Rural Collector
Minimum Lane Width:	11 Feet
Terrain:	Rolling
Minimum Stopping Sight Distance:	250 Feet
Crest Minimum K Value:	29
Sag Minimum K Value:	49
emax:	6.00%
Portion of Ret allowed prior to curve:	0.80
Controlling Criteria:	AASHTO Green Book, Current Edition MUTCD, Current Edition

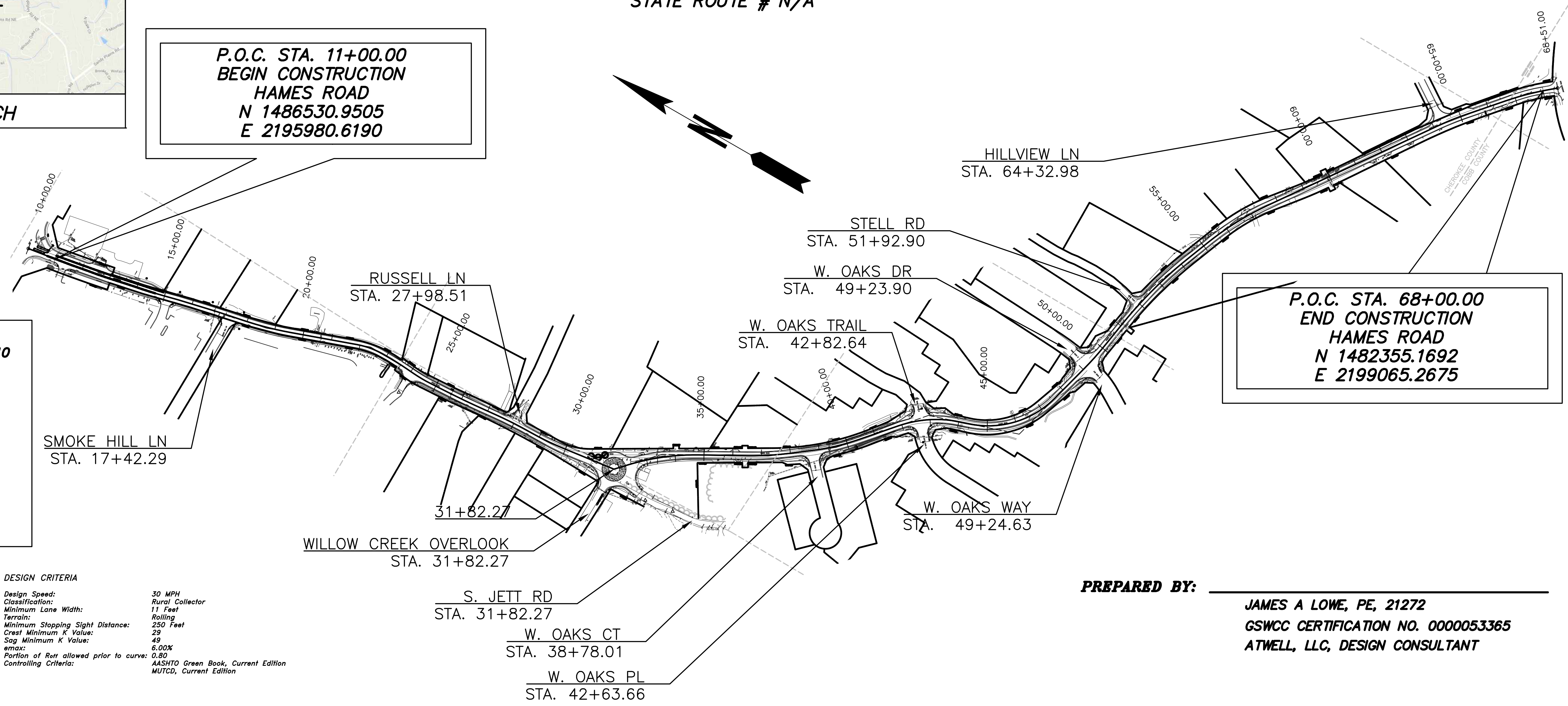
**DISTURBED AREA: 7.72AC
THIS PROJECT WILL REQUIRE NOI**

PREPARED BY:

ATWELL
866.850.4200 www.atwell-group.com
1800 PARKWAY PLACE, SUITE 700
MARIETTA, GA
770.423.0807

**MID-POINT COORDINATES
STA 38+50.00 HAMES ROAD
N 1483947.1540
E 2196702.2113**

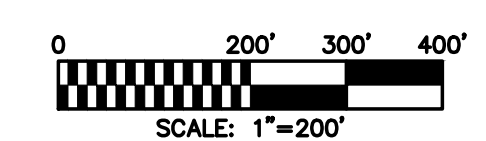
THE DATA, TOGETHER WITH ALL OTHER INFORMATION SHOWN ON THESE PLANS OR IN ANYWAY INDICATED THEREBY, WHETHER BY DRAWINGS OR NOTES, OR IN ANY OTHER MANNER, ARE BASED UPON FIELD INVESTIGATIONS AND ARE BELIEVED TO BE INDICATIVE OF ACTUAL CONDITIONS. HOWEVER, THE SAME ARE SHOWN AS INFORMATION ONLY, ARE NOT GUARANTEED, AND DO NOT BIND THE DEPARTMENT OF TRANSPORTATION IN ANY WAY. THE ATTENTION OF BIDDER IS SPECIFICALLY DIRECTED TO SUBSECTIONS 102.04, 102.05, AND 104.03 OF THE SPECIFICATIONS.



**P.O.C. STA. 68+00.00
END CONSTRUCTION
HAMES ROAD
N 1482355.1692
E 2199065.2675**

PREPARED BY: _____
JAMES A LOWE, PE, 21272
GSWCC CERTIFICATION NO. 0000053365
ATWELL, LLC, DESIGN CONSULTANT

LENGTH OF PROJECT CITY: WOODSTOCK COUNTY: CHEROKEE (057)	Project No. 14003
	HAMES ROAD
	MILES
NET LENGTH OF ROADWAY	1.108
NET LENGTH OF BRIDGES	0.000
NET LENGTH OF PROJECT	1.108
NET LENGTH OF EXCEPTIONS	0.000
GROSS LENGTH OF PROJECT	1.108



PLANS COMPLETED 08-26-2016	
REVISIONS	
COUNTY COMMENTS 03-01-2017	
COUNTY COMMENTS 03-18-2019	

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SHEET NO.	DWG. NO.	DESCRIPTION
1	1-01	Cover
2	2-01	Index
3	3-01	Revision Summary
4	4-01	General Notes
5	5-01	Typical Sections
6	9-01	Detailed Estimate/Summary of Quantities
7 to 10	11-01 to 11-04	Construction Layout
11 to 22	13-01 to 13-12	Mainline Plan
23 to 28	14-01 to 14-06	Crossroad Plan
38 to 40	17-01 to 17-03	Driveway Profiles
37	21-01	Drainage Area Map
29 to 36	22-01 to 22-08	Drainage Profiles
41 to 60	23-01 to 23-20	Cross Sections
61 to 43	24-01 to 24-11	Utility Plans
44 to 52	26-01 to 26-12	Signing and Marking Plans
53 to 65	40-01 to 40-13	Construction Details (See List)
66 to 79	41-01 to 41-14	Georgia Standards (See List)
80	50-01	Erosion Control Cover Sheet
81 to 83	51-01 to 51-03	ESPC General Notes
84 to 90	52-01 to 52-07	Erosion Control Legend and Uniform Code Sheet
91	53-01	Erosion Control Drainage Area Map
92 to 102	54-01 to 54-11	ES&PC - Phase I
103 to 113	54-12 to 54-22	ES&PC - Phase II
114 to 124	54-23 to 54-33	ES&PC - Phase III
125	55-01	Watershed Map/Site Monitoring Location
126 to 134	56-01 to 56-09	Erosion Control Standards and Details (See List)
135 to 145	60-01 to 60-02	Right of Way Plans

GEORGIA STANDARDS

SHEET NO.	DATE	NUMBER	DESCRIPTION
	10/1981	1011A	Brick Manholes
	06/1975	1011AP	Precast Reinforced Concrete Manholes
	09/2001	1030D1	Concrete and Metal Pipe Culverts Sheet 1 of 3
	09/2001	1030D2	Concrete and Metal Pipe Culverts Sheet 2 of 3
	09/2001	1030D3	Concrete and Metal Pipe Culverts Sheet 3 of 3
	11/1999	1040	Curcular Base Units and Risere for Catch Baisns and Drop Inlets
	04/2006	9003	Federal Aid and State Project Markers: Richt of Way Markers: County Line Markers
	06/1998	9031L	Retaining Wall Typical Sections. Raised Headwall. And Typical Pipe Plug (1 of 2)
	06/1998	9031L	Details of: Catch Basins Modified for Double Grates - Concrete Catch Basins of Drop Inlet. Connection to Conctete Box Culvert - Concrete. Cover for Drop Inlet - Concrete Steps - Concrete. Spring Box - Retaining Wall Typical Sectins. Raising Headwall - Typical Pipe Plug (2 of 2)
	10/1988	9031R	Placing Roff Drain Pipe Under Sidewalk - Ramp Type Barricade - Pipe Handrail for Retaining Wall Pipe Handrail for Concrete Steps
	07/1985	9031U	Junction Boxes (Precast or Built-in-Place) Pipe Collars. Pipe Elbow and Pipe Curved Alignment
	11/2011	9032B	Concrete Curb and Gutter, Concrete Curbs, Concrete Medians
	03/2006	9100	Traffic Control General Notes, Standard Length, and Miscellaneous Details
	03/2006	9102	Traffic Control Detail for Lane Closure on Two-Lane Highway

CONSTRUCTION DETAILS

SHEET NO.	DATE	NUMBER	DESCRIPTION
	07/2011	A-1	Driveways With Tapered Entrances Concrete Valley Gutters
	07/2011	A-2	Concrete Valley Gutter at Street Intersection
	06/2009	A-3	This Detail Replaces Ga Standard 9031W: Special Details - Concrete Sidewalk Details Curb Cut (Wheelchair) Ramps
	06/2009	A-4	Detectable Warning Surface Truncated Dome Size, Spacing and Alignment Requirements
	01/2000	T01	SIGN PLATES
	03/2000	T02	DETAILS FOR TYPICAL FRAMING
	07/2002	T03a	Type 7,8 and 9 SQUARE TUBE POST INSTALLATION DETAIL
	07/2002	T03b	DETAILS OF SQUARE TUBE POST (BREAKAWAY SUPPORT)
	01/2003	T05a	DETAILS OF REGULATORY SIGNS (SHEET 1 OF 2)
	01/2000	T11a	DETAILS OF PAVEMENT MARKING PLACEMENT ON NON-LIMITED ACCESS ROADWAY
	01/2000	T12a	DETAILS OF PAVEMENT MARKING ARROW LOCATION
	04/2000	T12b	DETAILS OF PAVEMENT MARKINGS - ARROWS
	01/2012	RA-2	ROUNDABOUT TYPICAL SECTION ASPHALTIC CONCRETE CIRCULATORY ROADWAY

EROSION CONTROL CONSTRUCTION STANDARDS AND DETAILS

SHEET NO.	DATE	NUMBER	DESCRIPTION
52-01	01/2016	EC-L1	EROSION CONTROL LEGEND AND UNIFORM CODE SHEET (SHEET 1 OF 7)
52-02	01/2016	EC-L2	EROSION CONTROL LEGEND AND UNIFORM CODE SHEET (SHEET 2 OF 7)
52-03	01/2016	EC-L3	EROSION CONTROL LEGEND AND UNIFORM CODE SHEET (SHEET 3 OF 7)
52-04	01/2016	EC-L4	EROSION CONTROL LEGEND AND UNIFORM CODE SHEET (SHEET 4 OF 7)
52-05	01/2016	EC-L5	EROSION CONTROL LEGEND AND UNIFORM CODE SHEET (SHEET 5 OF 7)
52-06	01/2016	EC-L6	EROSION CONTROL LEGEND AND UNIFORM CODE SHEET (SHEET 6 OF 7)
52-07	01/2016	EC-L7	EROSION CONTROL LEGEND AND UNIFORM CODE SHEET (SHEET 7 OF 7)
	02/2000	D-19	Temporary Pipe Slope Drain With Drain Inlet
	04/2016	D-20	Silt Control Gates for Structures Type -1, 2, and 3
	01/2011	D-24A	Temporary Silt Fence (Sheet 1 of 4)
	01/2011	D-24B	Temporary Silt Fence Berm Ditch, Installation, Brush Barrier (Sheet 2 of 4)
	01/2011	D-24C	Temporary Silt Fence J-Hooks, Inlet Sediment Traps (Sheet 3 of 4)
	07/2015	D-24D	Temporary Silt Fence Fabric Check Dam (Sheet 4 of 4)
	01/2011	D-35	Permanent Soil Reinforcing Mat (Turf Reinforcing Mat) Installatin on ditches
	04/2016	D-41	Construction Exit
	05/2008	D-42	Inlet Sediment Traps

CPLN



REVISION DATES

CHEROKEE COUNTY DEPARTMENT OF TRANSPORTATION

OFFICE:

INDEX

HAMES ROAD

DRAWING No. 2-01

04-15-2019	TIME\$\$\$	\$PRF\$	\$DGN\$	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
\$USER\$	\$PENTABLES\$		14003 - TESTIMATE	GA	14003	4	150

CONSTRUCTION NOTES

- A NOTICE OF INTENT (N.O.I.) IS REQUIRED FOR THIS PROJECT.
- THE CONTRACTOR IS RESPONSIBLE FOR PREPARING THE NOTICE OF INTENT (N.O.I.).
- THIS PROJECT IS LOCATED 100 PERCENT WITHIN CONGRESSIONAL DISTRICT NO 11.
- HORIZONTAL CONTROL IS BASED UPON GEORGIA STATE PLANE COORDINATE SYSTEM. SEE PLANS FOR LOCATIONS OF MONUMENTS USED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONSTRUCTION LAYOUT. REFER TO SECTION 149 OF THE STANDARD SPECIFICATION AND SPECIAL PROVISIONS. NO SEPARATE PAYMENT WILL BE MADE FOR ANY COST INCURRED TO COMPLY WITH THIS REQUIREMENT.
- ALL COSTS FOR EARTHWORK AND GRADING SHALL BE PAID FOR AT THE PRICE BID FOR GRADING COMPLETE. THE CONTRACTOR WILL BE RESPONSIBLE FOR FURNISHING SUITABLE MATERIAL FOR THIS PROJECT AND DISPOSE OF ANY UNSUITABLE OR WASTE MATERIAL. ALL FILL AREAS MUST BE COMPACTED TO MINIMUM 95% STANDARD PROCTOR.
- CLEARING AND GRUBBING ON THIS PROJECT IS LIMITED TO THE ACTUAL CONSTRUCTION LIMITS. THIS WORK WILL BE PAID FOR UNDER GRADING COMPLETE. NO CLEARING AND GRUBBING BEYOND THE CONSTRUCTION LIMITS UNLESS DIRECTED BY THE ENGINEER. STRUCTURES, TREES, SHRUBS, AND OTHER LANDSCAPE MATERIAL THAT FALL WITHIN THE RIGHT-OF-WAY AND EASEMENT LIMITS, BUT OUTSIDE THE LIMITS OF CONSTRUCTION SHALL NOT BE DISRUPTED. IF DISTURBED, THE CONTRACTOR IS RESPONSIBLE FOR REPLACING IN LIKENESS OR IN-KIND AT HIS EXPENSE.
- ALL BORROW AND WASTE SITES FOR THIS PROJECT SHALL BE ENVIRONMENTALLY APPROVED PRIOR TO CONSTRUCTION ACTIVITIES OCCURRING IN THEM. ALL COMMON FILL OR EXCESS MATERIAL DISPOSED OUTSIDE THE PROJECT RIGHT OF WAY SHALL BE PLACED IN EITHER A PERMITTED SOLID WASTE FACILITY, A PERMITTED INERT WASTE LANDFILL OR IN AN ENGINEERED FILL. SEE SECTION 201 OF THE STANDARD SPECIFICATION AND SUPPLEMENTS THERETO FOR ADDITIONAL INFORMATION. THERE IS NO SUITABLE PLACE TO BURY EXISTING CONSTRUCTION DEBRIS WITHIN THE PROJECT'S LIMITS. THE CONTRACTOR SHALL PROVIDE AN ENVIRONMENTALLY APPROVED SITE TO DISPOSE OF EXISTING CONSTRUCTION DEBRIS AT NO ADDITIONAL COST TO THE COUNTY.
- ALL SIDEWALKS AND CURB RAMPS WILL BE CONSTRUCTED TO MEET ALL REQUIREMENTS OF THE UNIFORM FEDERAL ACCESSIBILITY STANDARDS (UFAS) AND AMERICAN DISABILITY ACT OF 1991. SEE GDOT CONSTRUCTION DETAIL CURB CUT (WHEELCHAIR) RAMPS. RAMPS SHALL BE CONSTRUCTED AT ALL SIDE STREETS THAT INTERSECT THAT SIDEWALK CONSTRUCTION.
- THE COST OF REMOVAL AND DISPOSAL OF EXISTING SIDEWALKS AND ANY OTHER MISC. ITEMS TO BE INCLUDED IN THE PRICE BID FOR GRADING COMPLETE AND NO ADDITIONAL PAYMENT WILL BE MADE.
- ALL NEW CROSSWALKS MARKINGS SHALL BE IN ACCORDANCE WITH CURRENT GDOT AND MUTCD STANDARDS. REMOVE ANY EXISTING CROSSWALKS MARKINGS THAT ARE IN CONFLICT WITH THE NEW MARKINGS.
- TOTAL PROJECT AREA IS **XXXX** ACRES AND TOTAL DISTURBED AREA IS **XXX** ACRES.
- IN AREAS WHERE PORTIONS OF EXISTING SIDEWALKS ARE TO REMAIN AND PROPOSED SIDEWALKS OR WHEELCHAIR RAMPS OR CUT THRU'S ARE TO BE CONSTRUCTED, THE EXISTING SIDEWALKS SHALL BE REMOVED AT EVEN JOINTS BY SAWCUTTING OR OTHER MEANS TO PROVIDE A CLEAN STRAIGHT EDGE. THE COST FOR ALL THIS WORK SHALL BE INCLUDED IN THE OVERALL BID PRICE FOR GRADING COMPLETE AND NO ADDITIONAL PAYMENT WILL BE MADE.
- WHERE CURB AND GUTTER IS TO BE REMOVED TO PLACE WHEELCHAIR RAMPS OR DRIVEWAYS THE EXISTING CURB AND GUTTER SHALL BE SAWCUT TO PROVIDE A CLEAN STRAIGHT EDGE. CONTRACTOR SHALL REMOVE CURB AND GUTTER BACK TO AN EXISTING JOINT.
- ALL DRIVEWAYS THAT ARE TO BE RECONSTRUCTED SHALL BE REPLACED IN KIND I.E. ASPHALT FOR ASPHALT, CONCRETE FOR CONCRETE, AND ASPHALT SURFACE COURSE FOR EARTH DRIVES. DRIVEWAY RELOCATIONS ARE SHOWN FROM THE BEST AVAILABLE DATA. THE CONTRACTOR SHALL CONSTRUCT NEW DRIVEWAYS TO MATCH THE ACTUAL FIELD LOCATION OF EXISTING DRIVEWAYS OR AS LOCATED IN THE PLANS. RESIDENTIAL DRIVES SHALL BE 14 FEET WIDE AT THE THROAT UNLESS NOTED OTHERWISE IN THE PLANS. COMMERCIAL DRIVES SHALL BE 24 FEET WIDE UNLESS NOTED OTHERWISE IN THE PLANS. THE CONTRACTOR SHALL OBTAIN THE APPROVAL FROM THE ENGINEER PRIOR TO MAKING ANY REVISIONS TO LOCATION, WIDTH, AND/OR NUMBER OF DRIVES TO BE CONSTRUCTED. DRIVES SHALL BE CONSTRUCTED USING:

ASPHALT - ASPH CONC 9.5mm SUPERPAVE (140 LB/SY)
GRADED AGGREGATE BASE, 6"
CONCRETE - RESIDENTIAL - DRIVEWAY CONCRETE, 6" THICK
- FORM SIDEWALK CONCRETE FLUSH AROUND EXISTING INLET TOPS WITH JOINT SEAL FILLING THE GAP. THE COST OF JOINT SEAL SHALL BE INCLUDED IN THE OVERALL BID PRICE FOR GRADING COMPLETE AND NO ADDITIONAL PAYMENT WILL BE MADE.
- ALL EXISTING MANHOLES, VALVES, SURVEY POINTS/BENCHMARKS, ETC., LOCATED WITHIN THE AREAS WHERE THE SIDEWALK IS TO BE CONSTRUCTED SHALL BE ADJUSTED TO GRADE OR RELOCATED. THE TOPS OF THESE OBJECTS MUST REMAIN ACCESSIBLE AND FLUSH WITH THE TOP OF THE SIDEWALK OR FINISHED GRADE. THIS WORK WILL BE PAID FOR UNDER GRADING COMPLETE AND NO ADDITIONAL PAYMENT WILL BE MADE.

CONSTRUCTION NOTES

- THE COST FOR INSTALLATION OF DETECTABLE WARNING SURFACES AND CUT THRU'S SHALL BE INCLUDED IN THE OVERALL BID PRICE FOR GRADING COMPLETE AND NO ADDITIONAL PAYMENT WILL BE MADE.
- ALL EXISTING PIPE SHALL REMAIN UNLESS OTHERWISE NOTED ON THE PLANS OR AS DIRECTED BY THE ENGINEER. REMOVAL SHALL BE INCLUDED IN THE PRICE BID FOR GRADING COMPLETE AND NO ADDITIONAL PAYMENT WILL BE MADE.
- THE CONTRACTOR SHALL ENSURE THE POSITIVE AND ADEQUATE DRAINAGE IS MAINTAINED AT ALL TIMES WITHIN THE PROJECT LIMITS. THIS MAY INCLUDE, BUT NOT LIMITED TO, PLACEMENT OR RECONSTRUCTION OF EXISTING DRAINAGE STRUCTURES THAT HAVE BEEN DAMAGED OR REMOVED, OR RE-GRADING AS REQUIRED BY THE ENGINEER. EXCEPT FOR THOSE DRAINAGE ITEMS SHOWN AT SPECIFIC PAY ITEMS IN THE DETAILED ESTIMATE. NO SEPARATE PAYMENT WILL BE MADE FOR ANY COSTS INCURRED TO COMPLY WITH THIS REQUIREMENT.
- THE CONTRACTOR SHALL ADHERE TO DUST CONTROL REGULATIONS. ALL AREAS SUBJECTED TO DUST FORMATION MUST BE PERIODICALLY WATERED SUFFICIENTLY TO RETARD DUST. ALL COSTS FOR DUST CONTROL SHALL BE INCLUDED IN PRICE BID FOR GRADING COMPLETE AND NO ADDITIONAL PAYMENT WILL BE MADE.
- ALL SIDE DRAIN PIPES SHALL BE 18" MINIMUM DIAMETER UNLESS OTHERWISE SHOWN.
- ANY REFERENCE TO A CODE OR STANDARD SHALL BE UNDERSTOOD TO REFER TO THE LATEST EDITION AND/OR REVISION OF THAT CODE OR STANDARD UNLESS OTHERWISE NOTED.
- THE LIMITS OF CONSTRUCTION ARE SHOWN ON THE PLAN.
- THE CONTRACTOR SHALL PROVIDE ADEQUATE TRASH RECEPTACLES AT THE WORKSITES. THE RECEPTACLES SHALL BE EMPTIED AT LEAST ONCE A WEEK OR MORE OFTEN AS NEEDED. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT AND NO ADDITIONAL PAYMENTS WILL BE MADE.
- CONTRACTOR SHALL REMOVE ALL DEBRIS AND EXCESS CONCRETE BEFORE BACKFILLING AND FINAL GRADING.
- STARTING WORK CONSTITUTES ACCEPTANCE OF THE CONDITIONS UNDER WHICH THE WORK IS TO BE PERFORMED.
- ALL DIMENSIONS AND DETAILS OF EXISTING CONDITIONS INDICATED ON THE DRAWINGS SHALL BE FIELD MEASURED AND VERIFIED BEFORE PROCEEDING. NECESSARY FIELD CHECKING SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. ANY DISCREPANCIES SHALL BE REPORTED TO THE ENGINEER IMMEDIATELY.
- CONTRACTOR SHALL FURNISH AND MAINTAIN ALL NECESSARY BARRICADES AROUND THE WORK AND SHALL PROVIDE PROTECTION AGAINST WATER DAMAGE AND EROSION, SUFFICIENT LIGHTS, SIGNS, AND TRAFFIC CONTROL METHODS SHALL BE INSTALLED FOR THE PROTECTION AND SAFETY OF THE PUBLIC AND MAINTAINED AS NECESSARY THROUGHOUT THE CONSTRUCTION PROCESS OF THE PROJECT. ALL SIGNING INCLUDING TRAFFIC CONTROL AND CONSTRUCTION SIGNING SHALL CONFORM TO THE 2009 MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES. (2009 MUTCD)
- LOCATION OF ALL CONSTRUCTION ITEMS SHALL BE FIELD VERIFIED BY THE CONTRACTOR AND APPROVED BY ENGINEER PRIOR TO PLACEMENT.
- THERE IS NO SUITABLE PLACE FOR DISPOSAL OF REMOVED SLABS WITHIN THE PROJECT LIMITS. THE CONTRACTOR SHALL MAKE HIS OWN ARRANGEMENTS TO DISPOSE OF THE MATERIAL OFF SITE.
- THE CONTRACTOR WILL BE RESPONSIBLE FOR PREPARING A TRAFFIC CONTROL PLAN SHOWING THE PROPOSED MEASURES TO MANAGE TRAFFIC DURING CONSTRUCTION ACTIVITIES. THE PLAN SHALL CONFORM TO THE 2009 MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES AND GEORGIA DOT SPECIFICATION 150. ANY LANE CLOSURES MUST BE APPROVED BY AND COORDINATED WITH CHEROKEE COUNTY. LANE CLOSURES WILL REQUIRE PROPER LANE TAPERS AND ADVANCE WARNINGS PER GEORGIA DOT STANDARDS AND SHALL BE COMPLETED DURING THE HOURS SPECIFIED BY CHEROKEE COUNTY.
- ALL SIGNING MARKING, AND TRAFFIC CONTROL SHALL CONFORM TO THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES, 2009 EDITION.
- TIME RESTRICTIONS ON LANE CLOSURES: BEFORE 9AM AND AFTER 4PM, OR AS SPECIFIED BY CHEROKEE COUNTY.
- CONTRACTOR IS REQUIRED TO MAINTAIN A MINIMUM OF 80 INCHES VERTICAL CLEARANCE ABOVE FINISHED SIDEWALK GRADE.
- AT NO TIME DURING CONSTRUCTION OF THIS PROJECT SHALL THE US MAIL SERVICE BE INTERRUPTED TO THE PROPERTIES AFFECTED BY THE PROJECT. IF NECESSARY, THE CONTRACTOR SHALL ERECT TEMPORARY MAIL BOXES AND OTHER METHODS TO ASSURE SERVICE. UPON SUBSTANTIAL COMPLETION OF ALL GRADING, CURB, PIPE, AND SIDEWALK CONSTRUCTION, EACH MAILBOX SHALL BE PERMANENTLY RESET IN A LOCATION PRESCRIBED BY THE US POSTAL SERVICE.
- REMOVAL AND RESETTING OF MAILBOXES SHALL BE INCLUDED IN GRADING COMPLETE.
- REMOVAL OF EXISTING SIDEWALKS SHALL BE INCLUDED IN GRADING COMPLETE.
- CONTRACTOR SHALL EXERCISE CAUTION WHEN EXCAVATING ADJACENT TO EXISTING UTILITY POLES. IN SOME LOCATIONS, HE MAY BE REQUIRED TO RESTRAIN THE POLE UNTIL BACKFILL IS PLACED.

TRAFFIC NOTES

- THE CONTRACTOR'S ATTENTION IS DIRECTED TO ARTICLES 104.05 AND 107.07 OF THE STANDARD SPECIFICATIONS AND THE SPECIAL PROVISIONS FOR TRAFFIC CONTROL AND SEQUENCE OF OPERATIONS IN REGARDS TO MAINTENANCE OF TRAFFIC DURING CONSTRUCTION. FOR ADDITIONAL TRAFFIC CONTROL NOTES SEE GDOT STD. DRAWING NO. 9100.
- PRICE BID FOR TRAFFIC CONTROL SHALL INCLUDE BUT IS NOT LIMITED TO CONSTRUCTION, MAINTENANCE, AND REMOVAL OF TEMPORARY SIGNING AND PAVEMENT MARKINGS, BARRICADES, CHANNELIZING DEVICES, ETC. REQUIRED FOR MAINTENANCE OF TRAFFIC DURING CONSTRUCTION. ALL TEMPORARY SIGNING AND PAVEMENT MARKING SHALL BE IN ACCORDANCE WITH THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES, CURRENT EDITION AND/OR AS DIRECTED BY ENGINEER.

UTILITY NOTES

- ALL KNOWN UTILITIES HAVE BEEN SHOWN SCHEMATICALLY ON THE PLANS AND MAY NOT BE SHOWN ACCURATELY, HORIZONTALLY OR VERTICALLY. UTILITIES MAY EXIST WHICH ARE NOT SHOWN ON THE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING ALL UTILITY COMPANIES HAVING UTILITIES WITHIN OR ADJACENT TO THE WORK AREA. THE CONTRACTOR SHALL HAVE THE UTILITIES FIELD LOCATED AND COORDINATE WITH UTILITY COMPANIES TO HAVE THEM RELOCATED AND/OR ADAPTED FOR THE TIE-INS. ALL UTILITY COORDINATION SHALL BE CLEARLY BEGUN, AND ALL UTILITIES MARKED PRIOR TO CONSTRUCTION.
- THE CONTRACTOR (OR UTILITY) SHALL DISCONNECT AND SEAL OFF ABANDONED UTILITIES AND UTILITIES TO BE REMOVED PRIOR TO THE START OF DEMOLITION. UTILITIES SHALL BE DISCONNECTED BELOW EXISTING GRADE OR OUTSIDE OF CONTRACT LIMITS BY THE APPLICABLE PUBLIC UTILITY. ALL COSTS FOR THIS WORK SHALL BE BORNE BY THE CONTRACTOR.
- PRIOR TO CLEARING, THE CONTRACTOR SHALL OBTAIN WRITTEN VERIFICATION FORM ALL UTILITY COMPANIES THAT ABANDONED UTILITIES LEFT ON-SITE HAVE BEEN ISOLATED FROM THEIR SOURCE AND MAY BE REMOVED BY THE CONTRACTOR. IF UTILITIES ARE TO REMAIN AND HAVE BEEN LEFT ACTIVE, THE CONTRACTOR SHALL CAREFULLY PROTECT THEM AND IS RESPONSIBLE FOR RESTORING THEM TO THEIR PREVIOUS CONDITION OR BETTER IF DAMAGED.
- ALL STRUCTURES TO BE DEMOLISHED SHALL BE COMPLETELY REMOVED WITH A DEMOLITION PERMIT ABOVE AND BELOW GRADE. ABANDONED SERVICE LINES TO THE STRUCTURES SHALL ALSO BE REMOVED PER HEALTH DEPARTMENT REGULATIONS.
- CONTRACTOR SHALL CLEARLY MARK AND MAINTAIN PROPERTY CORNER MONUMENTATION AND BENCHMARKS WHENEVER POSSIBLE AND WILL BE RESPONSIBLE FOR THE COST OF REPLACING THEM IF DISTURBED OR DESTROYED. ALL MONUMENTS DISTURBED MUST BE RE-SET BY A LICENSED GEORGIA LAND SURVEYOR AUTHORIZED BY THE STATE TO PROVIDE PROFESSIONAL SERVICES.
- ALL VEGETATION (UNLESS OTHERWISE NOTED), EXISTING ASPHALT PAVEMENT, ORGANICS AND UNSUITABLE BEARING SOILS SHALL BE STRIPPED FROM THE SURFACE WITHIN THE CONSTRUCTION LIMITS AND DISPOSED OF OFF-SITE.
- THE CONTRACTOR SHALL LEAVE THE SITE IN A CLEAN AND NEAT CONDITION. ALL DEBRIS, VEGETATION, LUMBER, CONCRETE, ETC., SHALL BE REMOVED FROM THE SITE AND PROPERLY DISPOSED OF IN ACCORDANCE WITH APPLICABLE LAWS OF THE STATE AND LOCAL GOVERNING AUTHORITIES.
- CONTRACTOR SHALL HAVE THE LIMITS OF CLEARING AND BUFFERS STAKED WITH FLAGGING STRUNG BETWEEN ANGLE POINTS TO INSURE PROPER LOCATION OF TREE-SAVE FENCE AND PROPOSED IMPROVEMENTS.

UTILITY OWNERS

Power:	Mr. Terry Terrell (West of I-75 & I575) Cobb EMC P. O. Box 369 Marietta, Georgia 30061 E-mail: Terry.Terrell@cobbemc.com Phone: 678-355-3457	Telephone: Mr. Faribourz (Fred) Bastanpour (East of I-575) BellSouth (AT&T) 37 Powder Springs St. Marietta, Georgia 30064 E-mail: fb2559@att.com Phone: 706-701-6075 Cell: 770-905-4440
	Mr. Nathan Sutton (East Cherokee Dr/Trickum, East of Hwy 5) Cobb EMC P.O. Box 369 Marietta, Georgia 30061 E-mail: Nathan.Sutton@cobbemc.com Phone: 678-898-0455	Mr. Al McGee BellSouth (AT&T) 37 Powder Springs St. Marietta, Georgia 30064 E-mail: almcgee@att.com Phone: 706-701-6077 Cell: 404-376-9858
Water & Sewer:	Mr. Carey Gharley Cherokee County Water & Sewerage Authority P.O. Box 5000 391 West Main Street Canton, Georgia 30114 E-mail: careygharley@ccwsa.com Phone: 770-479-1813 x 206	Mr. Joe Ordway (West of I-575) BellSouth (AT&T) 37 Powder Springs St. Marietta, Georgia 30064 E-mail: jo322@att.com Phone: 706-701-6078 Cell: 770-905-4590
Gas:	Mr. Timothy (Josh) McCrary AGL Resources Engineering Design Ten Peachtree Place NE, Suite 1000 Atlanta, Georgia 30309 E-mail: tmccrary@aglresources.com Phone: 404-584-3837	Cable: Mr. Shelby Maddox Comcast Cable 707 E. 1st Street Rome, Georgia 30165 Phone: 706-233-7059 Cell: 770-480-0452 E-mail: Shelby_Maddox@cable.comcast.com
	Mr. Dale Brookshire AGL Resources 2311 Ridge Road Canton, Georgia 30144 E-mail: edbrooks@aglresources.com Phone: 678-878-5083	Mr. Shawn Hicks Comcast Cable 697 Marietta Hwy Canton, GA 30144 Phone: 678-898-7068 E-mail: Shawn_Hicks@cable.comcast.com

REVISION DATES

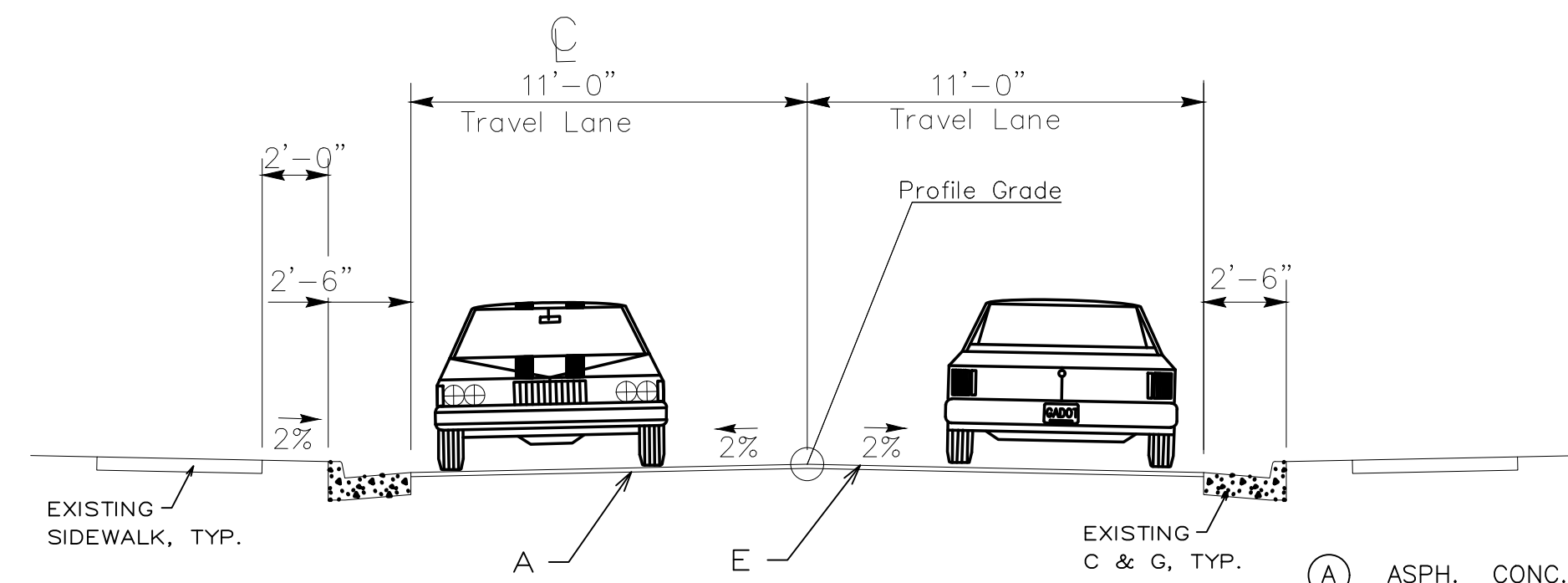
CHEROKEE COUNTY
DEPARTMENT OF TRANSPORTATION
OFFICE:

GENERAL NOTES

HAMES ROAD

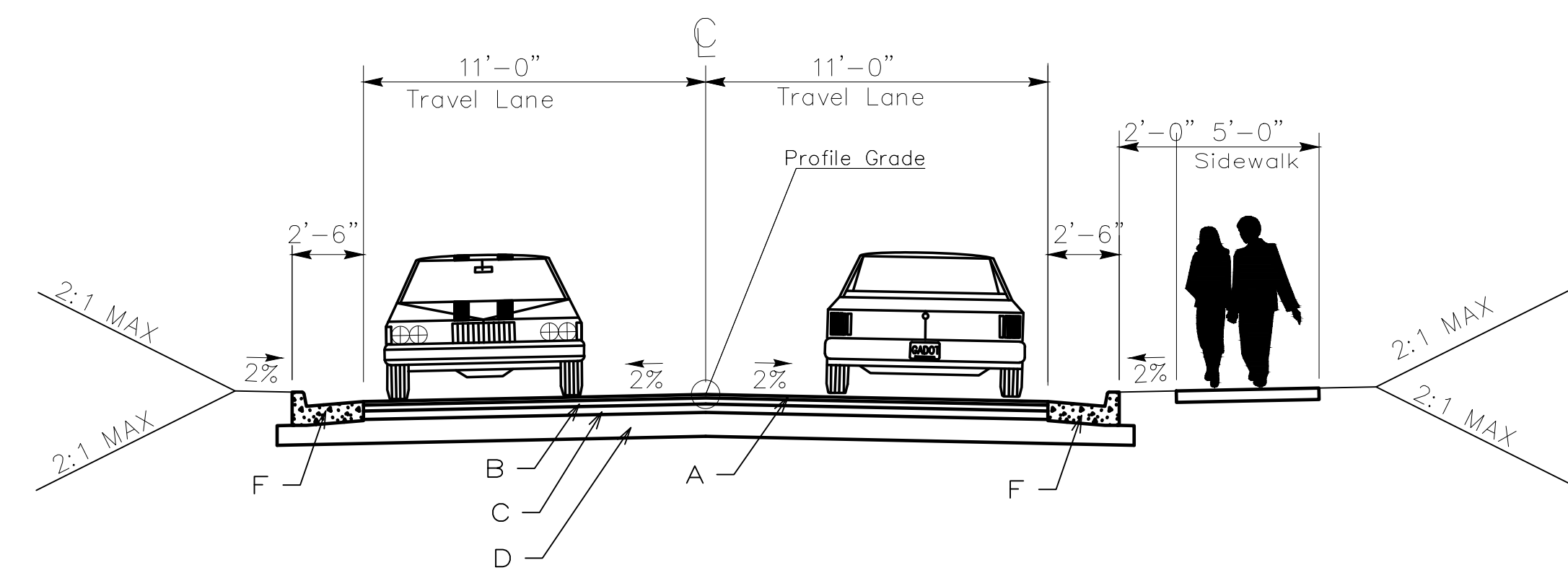
DRAWING No.
4-01



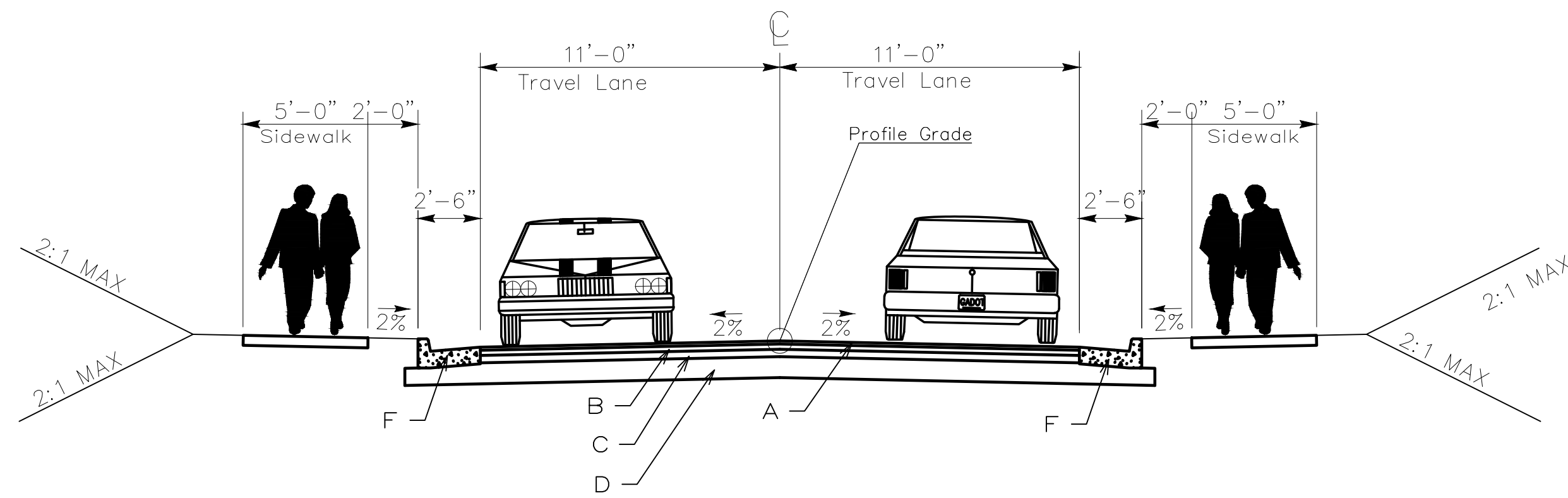


TYPICAL SECTION 1
STA. 11+00.00 TO STA. 12+00.00

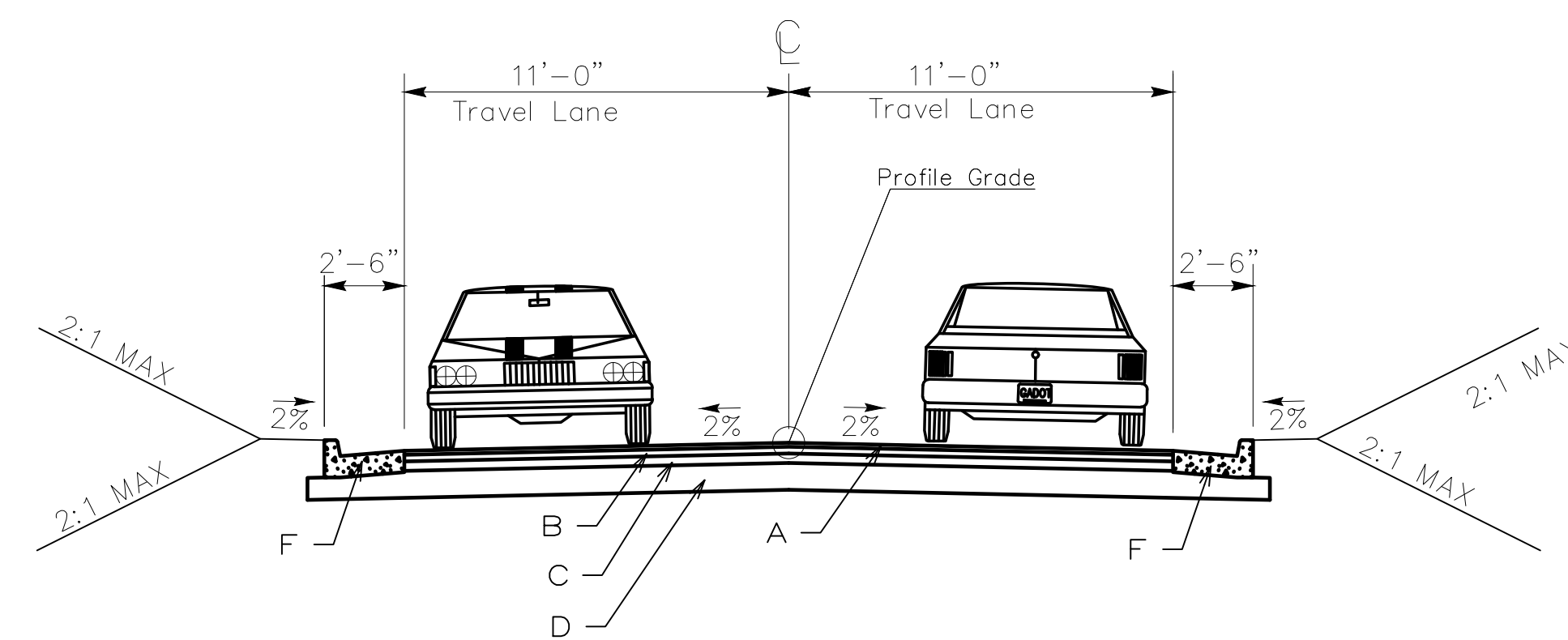
- (A) ASPH. CONC. 12.5 mm SUPERPAVE GROUP 2 ONLY, INCL. BITUM. MAT'L. & H. LIME, 165LB./S.Y.
 - (B) ASPH. CONC. 19 mm SUPERPAVE GP 1 OR 2, INCL. BITUM. MAT'L. & H. LIME, 330 LB./S.Y.
 - (C) ASPH. CONC. 25 mm SUPERPAVE GP 1 OR 2, INCL. BITUM. MAT'L. & H. LIME, 660 LB./S.Y.
 - (D) 12" GR AGGR BASE CRS, INCL MATL
 - (E) MILL ASPH CONC PVMNT, 1 1/2 IN DEPTH
 - (F) CONC CURB & GUTTER, 8 IN X 30 IN, TP 2
 - (G) CONC SIDEWALK, 4 IN*
- *NOTE: CONC SIDEWALK, 8 IN, SHALL BE USED IN THE ADA RAMPS



TYPICAL SECTION 1
STA. 15+04.00 TO STA. 31+00.00
STA. 31+00.00 TO STA. 33+00.00 (ROUNDBOUT)
STA. 33+00.00 TO STA. 49+75.00



TYPICAL SECTION 1
STA. 12+00.00 TO STA. 15+04.00



TYPICAL SECTION 1
STA. 49+75.00 TO STA. 65+49.00

FILE NAME: 14003 - TESTIMATE.dwg USER: rpellhum DATE: 07/10/2019 3:13 PM PROJECT: 14003 - HAMES ROAD



REVISION DATES	

CHEROKEE COUNTY
DEPARTMENT OF TRANSPORTATION

OFFICE: TYPICAL SECTIONS

HAMES ROAD

DRAWING No.	05-01
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ITEM#	PAY ITEM#	UNIT	ITEM DESCRIPTION	QUANTITY
	150-1000	LUMP SUM	TRAFFIC CONTROL - DAILY LANE CLOSURES	1
	163-0001	LUMP SUM	EROSION CONTROL - NON-REFUNDABLE DEDUCT	1
	210-0100	LUMP SUM	GRADING COMPLETE - GENERAL SITE WORK	1
	310-1101	TN	GR AGGR BASE CRS, INCL MATL	9,251
	402-3113	TN	RECYL AC 12.5MM SP, GP1/2, BM&HL	1,443
	402-3190	TN	RECYL AC 19MM SP, GP 1 OR 2, INC BM&HL	2,885
	413-1000	GAL	BITUM TACK COAT	920
	430-0210	SY	PLAIN PORTLAND CEMENT CONCRETE PAVEMENT, CLASS 2, 10 IN	565
	441-0104	SY	CONCRETE SIDEWALK, 4IN	1,689
	441-0108	SY	CONCRETE SIDEWALK, 8IN	40
	441-6222	LF	CONCRETE CURB & GUTTER 8"X30" TYPE 2	10,418
	441-5008	LF	CONCRETE HEADER CURB 6" TYPE 7	119
	441-5025	LF	CONCRETE HEADER CURB 4" TYPE 9	450
	441-0600	CY	CONCRETE HEADWALLS	24
	441-0018	SY	DRIVEWAY CONCRETE 8"	391
	441-7011	EA	CURB CUT WHEELCHAIR RAMPS, TYPE A	20
	441-7014	EA	CURB CUT WHEELCHAIR RAMPS, TYPE D	4
	550-1180	LF	STM DR PIPE 18", H 1-10	3,237
	550-1240	LF	STM DR PIPE 24", H 1-10	901
	550-1241	LF	STM DR PIPE 24", H 10-20	146
	550-1300	LF	STM DR PIPE 30", H 1-10	75
	550-1360	LF	STM DR PIPE 36", H 1-10	37
	550-1480	LF	STM DR PIPE 48", H 1-10	88
	550-4218	EA	FLARED END SECTION 18"	4
	603-1024	SY	STONE PLAIN RIP RAP	258
	610-5715	EA	REM CATCH BASIN, DROP INLET OR JCT BOX	8
	610-0355	LF	REMOVE CONC CURB AND GUTTER ALL SIZES	2,415
	611-3000	EA	RECONSTRUCT CATCH BASIN	1
	634-1200	EA	RIGHT-OF-WAY MARKERS	41
	636-0000	EA	HIGHWAY SIGNS	72
	668-1100	EA	CATCH BASIN, GROUP 1	52
	668-2100	EA	DROP INLET, GROUP 1	5
	668-4300	EA	STORM SEWER MANHOLE, TYPE 1	2

ITEM#	PAY ITEM#	UNIT	ITEM DESCRIPTION	QUANTITY
	668-4400	EA	STORM SEWER MANHOLE, TYPE 2	2
	653-1501	LF	THERMO SOLID TRAF ST 5 IN, WHI	12,121
	653-1804	LF	THERMO SOLID TRAF ST 8 IN, WHI	3,750
	653-1704	LF	THERMO SOLID TRAF ST 24 IN, WHI	271
	653-1502	LF	THERMO SOLID TRAF ST 5 IN, YEL	9,015
	653-3501	LF	THERMO SKIP TRAF ST 5 IN, WHI	75
	653-4830	GLF	THERMO SKIP TRAF ST 18 IN, WHI	81
	655-5000	EA	PVMT ARROW THERM W/R REFLECTOR	4
	653-6006	SY	THERMO TRAF STRIPE, YELLOW	228
	653-0000	LF	THERMO TRAF STRIPE, YIELD MARKING	48

PROPERTY AND EXISTING R/W LINE
 REQUIRED R/W LINE
 CONSTRUCTION LIMITS
 EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
 EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
 END LIMIT OF ACCESS.....ELA
 LIMIT OF ACCESS
 REQ'D R/W & LIMIT OF ACCESS
 ROOT ZONES OF HISTORIC TREES



REVISION DATES

CHEROKEE COUNTY
 DEPARTMENT OF TRANSPORTATION
 OFFICE:
 DETAILED ESTIMATE
 HAMES ROAD
 DRAWING No. 9-01

SUMMARY OF QUANTITIES

TRAFFIC CONTROL			
DESCRIPTION	LOCATION	UNIT	QUANTITY
LANE CLOSURES	ENTIRE PROJECT	LS	1

EROSION CONTROL			
DESCRIPTION	LOCATION	UNIT	QUANTITY
EROSION	ENTIRE PROJECT	LS	1

GRADING			
DESCRIPTION	LOCATION	UNIT	QUANTITY
SITE GRADING	ENTIRE PROJECT	LS	1

RECONSTRUCT CATCH BASIN			
DESCRIPTION	LOCATION	UNIT	QUANTITY
I-1.1	16+85 RT	EA	1

REMOVE CONCRETE CURB & GUTTER			
DESCRIPTION	LOCATION	UNIT	QUANTITY
ALL SIDES	VARIOUS	LF	2,415

CURB CUT WHEELCHAIR RAMPS (ADA)			
STATION	ALIGNMENT	TYPE	SIDE
11+15.00	HAMES RD	D	RT
11+58.00	HAMES RD	D	RT
14+85.00	HAMES RD	D	RT
15+35.00	HAMES RD	D	RT
17+10.00	HAMES RD	A	RT
17+60.00	HAMES RD	A	RT
23+80.00	HAMES RD	A	RT
24+34.00	HAMES RD	A	RT
31+47.00	HAMES RD	A	RT
32+87.00	HAMES RD	A	LT
32+88.00	HAMES RD	A	RT
0+70.00	WILLOW CREEK	A	LT
801+07.00	SOUTH JET	A	LT
801+08.00	SOUTH JET	A	RT
38+50.00	HAMES RD	A	RT
39+10.00	HAMES RD	A	RT
42+34.00	HAMES RD	A	RT
42+39.00	HAMES RD	A	LT
43+00.00	HAMES RD	A	LT
43+04.00	HAMES RD	A	RT
48+83.00	HAMES RD	A	RT
48+84.00	HAMES RD	A	LT
49+53.00	HAMES RD	A	RT
49+55.00	HAMES RD	A	LT

REMOVE CATCH BASIN			
DESCRIPTION	LOCATION	UNIT	QUANTITY
CURB INLET	25+63 RT	EA	1
DROP INLET	25+96 RT	EA	1
CURB INLET	38+59 RT	EA	1
CURB INLET	42+47 RT	EA	1
CURB INLET	42+94 RT	EA	1
STORM MANHOLE	48+73 LT	EA	1
STORM MANHOLE	48+94 LT	EA	1
STORM MANHOLE	49+60 LT	EA	1

CONCRETE HEADER CURB				
DESCRIPTION	LOCATION	SIDE	UNIT	QUANTITY
TYPE 9, 4 IN	AT ROUNDABOUT	CL	LF	260
TYPE 7, 6 IN	AT ROUNDABOUT	CL	LF	119
TOTAL =				379

CONCRETE CURB & GUTTER				
DESCRIPTION	LOCATION	SIDE	UNIT	QUANTITY
TY 2, 8 IN x 30 IN	15+05 TO 27+90	LT	LF	1,308
	17+46 TO 23+94	RT	LF	700
	24+15 TO 31+55	RT	LF	810
	28+08 TO 42+50	LT	LF	1,489
	31+82 TO 32+32	RT	LF	131
	32+56 TO 38+65	RT	LF	721
	38+94 TO 42+52	RT	LF	409
	42+80 TO 49+02	LT	LF	660
	42+87 TO 49+05	RT	LF	696
	49+33 TO 51+86	LT	LF	303
	49+34 TO 66+90	RT	LF	1,773
	52+02 TO 64+20	LT	LF	1,278
	65+28 TO 66+88	LT	LF	140
TOTAL =				10,418

PORTLAND CEMENT CONCRETE				
DESCRIPTION	LOCATION	SIDE	UNIT	QUANTITY
CLASS 2, 10 IN	AT ROUNDABOUT	RT	SY	471
TOTAL =				471

CONCRETE SIDEWALK				
DESCRIPTION	LOCATION	SIDE	UNIT	QUANTITY
4 IN	17+00	RT	SY	10
	17+66 TO 23+75	RT	SY	338
	24+40 TO 30+60	RT	SY	347
	31+05 TO 31+45	RT	SY	31
	31+82 TO 32+15	RT	SY	43
	32+48 TO 32+78	RT	SY	37
	32+97 TO 36+05	RT	SY	169
	36+34 TO 38+42	RT	SY	121
	39+16 TO 42+26	RT	SY	176
	42+47	LT	SY	15
	42+47	RT	SY	6
	42+92	LT	SY	6
	43+00	RT	SY	15
	43+12 TO 48+76	RT	SY	321
	48+90	RT	SY	13
	48+91	LT	SY	14
	49+45	RT	SY	11
	49+45	LT	SY	16
TOTAL =				1,689
8 IN	30+80	RT	SY	23
	36+20	RT	SY	17
TOTAL =				40

AGGREGATE BASE COURSE			
DESCRIPTION	LOCATION	UNIT	QUANTITY
INCL MATL	11+00 TO 68+00	TN	9,251
TOTAL = 9,251			

ROADWAY QUANTITIES											
LOCATION	GR AGGR BASE CRS, 8 INCH INCL MATL	GR AGGR BASE CRS, 12 INCH INCL MATL	RECYCLED ASPH CONC PATCHING, INCL BITUM MATL & H LIME	RECYCLED ASPH CONC LEVELING, INCL BITUM MATL & H LIME	RECYCLED ASPH CONC 9.5MM SUPERPAVE, GP 2 ONLY, INCL BITUM MATL & H LIME	RECYCLED ASPH CONC 12.5MM SUPERPAVE, GP 2 ONLY, INCL BITUM MATL & H LIME	RECYCLED ASPH CONC 19MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME	RECYCLED ASPH CONC 25MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME	BITUMINOUS TACK COAT	MILL ASPH CONC P.V.M.T. 1/2 INCH DEPTH	DRIVEWAY CONCRETE, 8 IN THK
	TN	TN	TN	TN	TN	TN	TN	TN	GAL	SY	SY
HAMES RD	9,251					1,443	2,885		920		
DRIVEWAYS											18
15+50.00 LT											15
17+64.00 LT											15
20+42.00 LT											16
23+66.00 LT											14
26+06.00 LT											14
27+44.00 LT											26
30+81.00 RT											14
33+74.00 LT											14
34+73.00 LT											19
36+08.00 LT											14
36+19.00 RT											20
46+46.00 LT											15
54+71.00 LT											13
55+20.00 LT											15
55+44.00 LT											23
56+86.00 LT											14
56+98.00 RT											15
58+51.00 LT											16
60+11.00 LT											17
61+61.00 RT											19
62+17.00 RT											15
62+90.00 LT											14
63+03.00 RT											
66+57.00 RT											
TOTALS =	9,251					1,443	2,885		920		391

SUMMARY OF SIGN QUANTITIES									
STATION	SIDE	SIGN CODE	HIGHWAY SIGNS				HIGHWAY SIGNS		
			TP 1 MATL, REFL SHEETING TP 9			TP 1 MATL, REFL SHEETING TP 11			
			SIZE	QUANTITY	SQUARE FEET	SIZE	QUANTITY	SQUARE FEET	
11+02	RT	R2-1	24"x36"	1	6.00				
11+50	RT	R1-1				30"x30"	1	6.25	
13+00	RT	W14-3	48"x48"x36"	1	12.00				
15+21	LT	W3-3	36"x36"	1	9.00				
15+31	RT	R1-1				30"x30"	1	6.25	
17+51	RT	R1-1				30"x30"	1	6.25	
21+00	LT	W14-3	48"x48"x36"	1	12.00				
21+90	RT	W1-2	30"x30"	1	6.25				
23+00	RT	W14-3	48"x48"x36"	1	12.00				
24+26	RT	R1-1				30"x30"	1	6.25	
27+00	RT	R2-1	24"x36"	1	6.00				
27+00	LT	R2-2	24"x36"	1	6.00				
27+71	LT	R1-1				30"x30"	1	6.25	
29+00	RT	W2-6	30"x30"	1	6.25				
29+00	RT	W16-12P	18"x24"	1	3.00				
29+00	RT	W13-1	18"x18"	1	2.25				
31+28	RT	R1-2				36"x36"x36"	1	4.50	
31+46	RT	W11-2	30"x30"	1	6.25				
31+65	RT	W2-6	30"x30"	1	6.25				
31+65	RT	W16-12P	18"x24"	1	3.00				
31+65	RT	W13-1	18"x18"	1	2.25				
31+69	RT	R6-1	36"x12"	1	3.00				
31+69	RT	R6-4A	48"x24"	1	8.00				
31+82	RT	R6-1	36"x12"	1	3.00				
31+82	RT	R6-4A	48"x24"	1	8.00				
31+90	RT	R6-1	36"x12"	1	3.00				
31+90	RT	R6-4A	48"x24"	1	8.00				
31+92	LT	R6-1	36"x12"	1	3.00				
31+92	LT	R6-4A	48"x24"	1	8.00				
0+54	RT	R1-2				36"x36"x36"	1	4.50	
0+80	RT	W11-2	30"x30"	1	6.25				
32+14	RT	W11-2	30"x30"	1	6.25				
32+34	LT	R1-2				36"x36"x36"	1	4.50	
32+52	RT	R1-2				36"x36"x36"	1	4.50	
32+57	RT	W11-2	30"x30"	1	6.25				
32+76	RT	W11-2	30"x30"	1	6.25				
32+96	LT	W11-2	30"x30"	1	6.25				
34+55	RT	W2-6	30"x30"	1	6.25				
34+55	RT	W16-12P	18"x24"	1	3.00				
34+55	RT	W13-1	18"x18"	1	2.25				
35+00	RT	R2-1	24"x36"	1	6.00				
35+00	LT	W2-6	30"x30"	1	6.25				
35+00	LT	W16-12P	18"x24"	1	3.00				
35+00	LT	W13-1	18"x18"	1	2.25				
39+00	RT	R1-1				30"x30"	1	6.25	
42+20	RT	R1-1				30"x30"	1	6.25	
42+20	RT	R1-3				6"x18"	1	0.75	
42+50	LT	R1-1				30"x30"	1	6.25	
42+50	LT	R1-3				6"x18"	1	0.75	
42+93	RT	R1-1				30"x30"	1	6.25	
42+93	RT	R1-3				6"x18"	1	0.75	
43+12	LT	R1-1				30"x30"	1	6.25	
43+12	LT	R1-3				6"x18"	1	0.75	
44+38	RT	W1-2	30"x30"	1	6.25				
44+38	RT	W3-1	36"x36"	1	9.00				
47+50	LT	W1-2	30"x30"	1	6.25				
47+50	LT	W3-1	36"x36"	1	9.00				
48+61	RT	R1-1				30"x30"	1	6.25	
48+61	RT	R1-3				6"x18"	1	0.75	
48+93	LT	R1-1				30"x30"	1	6.25	
48+93	LT	R1-3				6"x18"	1	0.75	
49+43	RT	R1-1				30"x30"	1	6.25	
49+43	RT	R1-3				6"x18"	1	0.75	
49+79	LT	R1-1				30"x30"	1	6.25	
49+79	LT	R1-3				6"x18"	1	0.75	
51+66	LT	R1-1				30"x30"	1	6.25	
53+00	LT	W3-1	36"x36"	1	9.00				
63+50	RT	W3-1	36"x36"	1	9.00				
64+14	LT	R1-1				30"x30"	1	6.25	
66+21	RT	"ENTERING COBB COUNTY" SIGN							
66+50	LT	R2-1	24"x36"	1	6.00				
67+04	LT	"ENTERING CHEROKEE COUNTY" SIGN							
68+37	RT	R1-1				30"x30"	1	6.25	

SUMMARY OF QUANTITIES

THERMOPLASTIC PAVEMENT MARKINGS				
DESCRIPTION	LOCATION	SIDE	UNIT	QUANTITY
5 IN SOLID, WHITE	11+00 TO 11+25	RT	LF	37
	11+00 TO 14+55	LT	LF	355
	11+00 TO 15+05	LT	LF	403
	11+44 TO 14+95	RT	LF	368
	15+03 TO 27+90	LT	LF	1,308
	15+26 TO 17+20	RT	LF	212
	17+46 TO 23+94	RT	LF	678
	24+15 TO 31+55	RT	LF	799
	28+08 TO 42+50	LT	LF	1,489
	31+82 TO 32+32	RT	LF	131
	32+56 TO 38+65	RT	LF	721
	38+94 TO 42+52	RT	LF	409
	42+80 TO 49+02	LT	LF	672
	42+87 TO 49+05	RT	LF	673
	49+33 TO 51+86	LT	LF	303
	49+34 TO 68+00	RT	LF	1,830
	52+02 TO 64+20	LT	LF	1,278
	64+55 TO 65+25	LT	LF	70
	64+40 TO 65+50	LT	LF	135
	65+50 TO 68+00	LT	LF	250
TOTAL =				12,121

THERMOPLASTIC PAVEMENT MARKINGS				
DESCRIPTION	LOCATION	SIDE	UNIT	QUANTITY
5 IN SOLID, YELLOW	11+00 TO 17+05	CL	LF	1,210
	17+80 TO 23+50	CL	LF	1,140
	24+60 TO 27+58	CL	LF	596
	28+40 TO 28+72	CL	LF	64
	34+82 TO 38+32	CL	LF	700
	39+20 TO 42+20	CL	LF	600
	43+12 TO 48+59	CL	LF	1,094
	49+81 TO 51+54	CL	LF	346
	52+35 TO 63+82	CL	LF	2,294
	64+56 TO 68+00	CL	LF	688
	TRAFFIC CIRCLE STRIPE		LF	283
TOTAL =				9,015

THERMOPLASTIC PAVEMENT MARKINGS				
DESCRIPTION	LOCATION	SIDE	UNIT	QUANTITY
TRAFFIC STRIPE, YELLOW GORE	TRAFFIC CIRCLE HAMES RD	CL	SY	96
	TRAFFIC CIRCLE HAMES RD	CL	SY	66
	WILLOW CREEK OVERLOOK	CL	SY	16
	SOUTH JET	CL	SY	50
TOTAL =				228

THERMOPLASTIC PAVEMENT MARKINGS				
DESCRIPTION	LOCATION	SIDE	UNIT	QUANTITY
8 IN SOLID, WHITE	CROSSWALK STA 11+35	RT	LF	153
	CROSSWALK STA 12+50	LT	LF	234
	CROSSWALK STA 15+10	RT	LF	210
	CROSSWALK STA 17+34	RT	LF	368
	CROSSWALK STA 24+05	RT	LF	215
	CROSSWALK STA 31+70	RT	LF	190
	CROSSWALK STA 32+35	RT	LF	133
	CROSSWALK STA 32+87	CL	LF	155
	CROSSWALK STA 38+80	RT	LF	257
	CROSSWALK STA 42+70	INT	LF	785
	CROSSWALK STA 49+20	INT	LF	1,050
TOTAL =				3,750

THERMOPLASTIC PAVEMENT MARKINGS				
DESCRIPTION	LOCATION	SIDE	UNIT	QUANTITY
5 IN SKIP, WHITE	14+55 TO 15+05	LT	LF	50
	65+25 TO 65+50	LT	LF	25
TOTAL =				75

THERMOPLASTIC PAVEMENT MARKINGS				
DESCRIPTION	LOCATION	SIDE	UNIT	QUANTITY
YIELD MARKING	TRAFFIC CIRCLE HAMES RD	RT	LF	12
	TRAFFIC CIRCLE HAMES RD	LT	LF	12
	WILLOW CREEK OVERLOOK	RT	LF	12
	SOUTH JET	RT	LF	12
TOTAL =				48

THERMOPLASTIC PAVEMENT MARKINGS				
DESCRIPTION	LOCATION	SIDE	UNIT	QUANTITY
24 IN SOLID, WHITE	STOP BAR STA 11+35	RT	LF	11
	STOP BAR STA 15+12	RT	LF	15
	STOP BAR STA 17+35	RT	LF	14
	STOP BAR STA 24+05	RT	LF	17
	STOP BAR STA 28+00	LT	LF	18
	STOP BAR STA 38+80	RT	LF	19
	STOP BAR STA 42+20	CL	LF	12
	STOP BAR STA 42+68	RT	LF	22
	STOP BAR STA 42+68	LT	LF	17
	STOP BAR STA 43+42	CL	LF	12
	STOP BAR STA 48+59	CL	LF	12
	STOP BAR STA 49+17	RT	LF	23
	STOP BAR STA 49+17	LT	LF	20
	STOP BAR STA 49+81	CL	LF	12
	STOP BAR STA 51+93	LT	LF	19
	STOP BAR STA 64+33	LT	LF	16
	STOP BAR STA 68+36	CL	LF	12
TOTAL =				271

THERMOPLASTIC PAVEMENT MARKINGS				
DESCRIPTION	LOCATION	SIDE	UNIT	QUANTITY
18 IN SKIP, WHITE	TRAFFIC CIRCLE STRIPE		LF	81
TOTAL =				81

THERMOPLASTIC PAVEMENT MARKINGS				
DESCRIPTION	LOCATION	SIDE	UNIT	QUANTITY
TRAFFIC STRIPE, WHITE GORE	TRAFFIC CIRCLE HAMES RD AND SOUTH JET		SY	105
TOTAL =				105

THERMOPLASTIC PAVEMENT MARKINGS				
DESCRIPTION	LOCATION	SIDE	UNIT	QUANTITY
PVMT ARROW	11+84	LT	EA	1
	13+14	LT	EA	1
	14+48	LT	EA	1
	64+80	LT	EA	1
TOTAL =				4

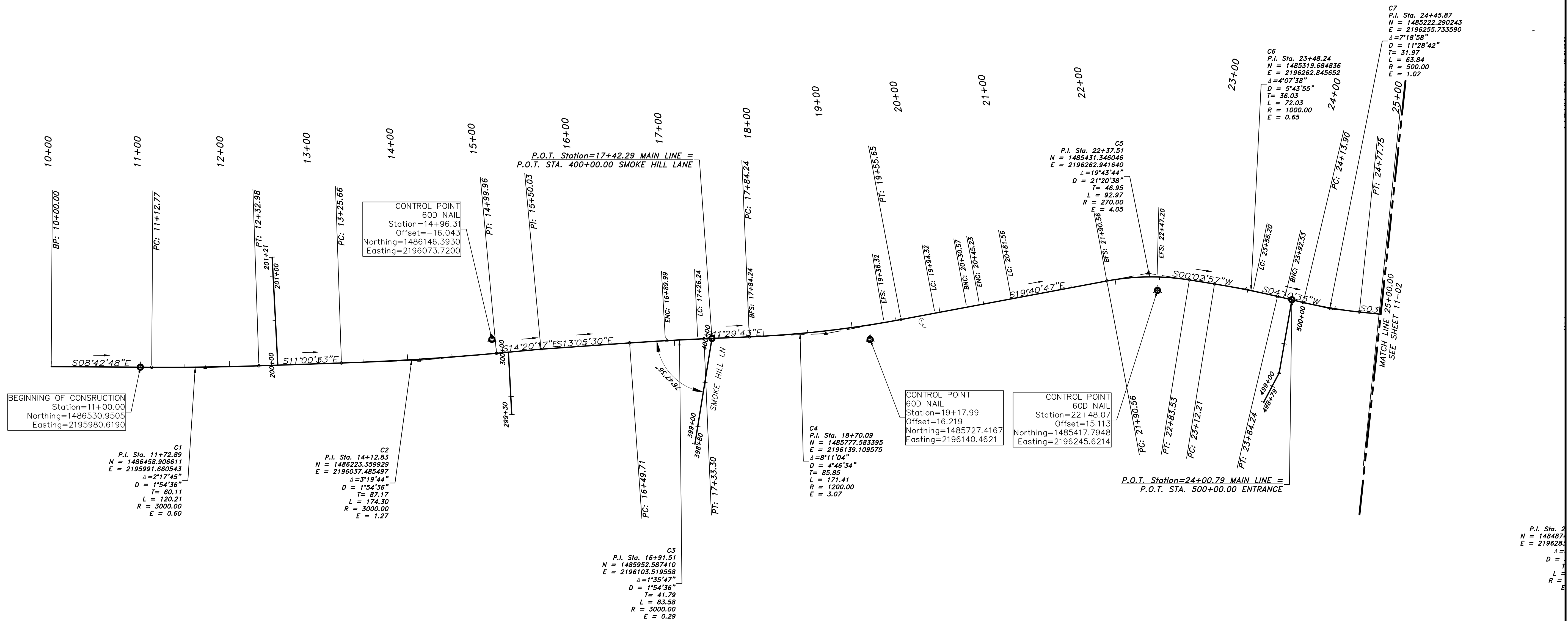
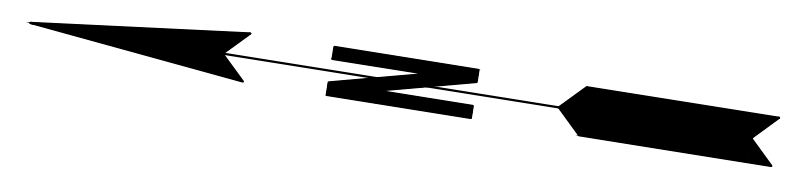
PROPERTY AND EXISTING R/W LINE
 REQUIRED R/W LINE
 CONSTRUCTION LIMITS
 EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
 EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
 END LIMIT OF ACCESS.....ELA
 LIMIT OF ACCESS
 REQ'D R/W & LIMIT OF ACCESS
 ROOT ZONES OF HISTORIC TREES



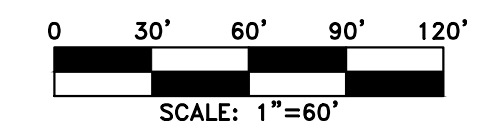
REVISION DATES	

CHEROKEE COUNTY
 DEPARTMENT OF TRANSPORTATION
 OFFICE:
 SUMMARY OF QUANTITIES
 HAMES ROAD
 DRAWING No.
 9-04



FILE NAME: 14003-CONSTRUCTION.dwg LAST DATE: 4/16/2019 3:13 PM PLOTTED BY: rpellhum 4/16/2019 4:08:52 PM

ATWELL
 866.850.4200 www.atwell-group.com
 1800 PARKWAY PLACE, SUITE 700
 MARIETTA, GA
 770.423.0807

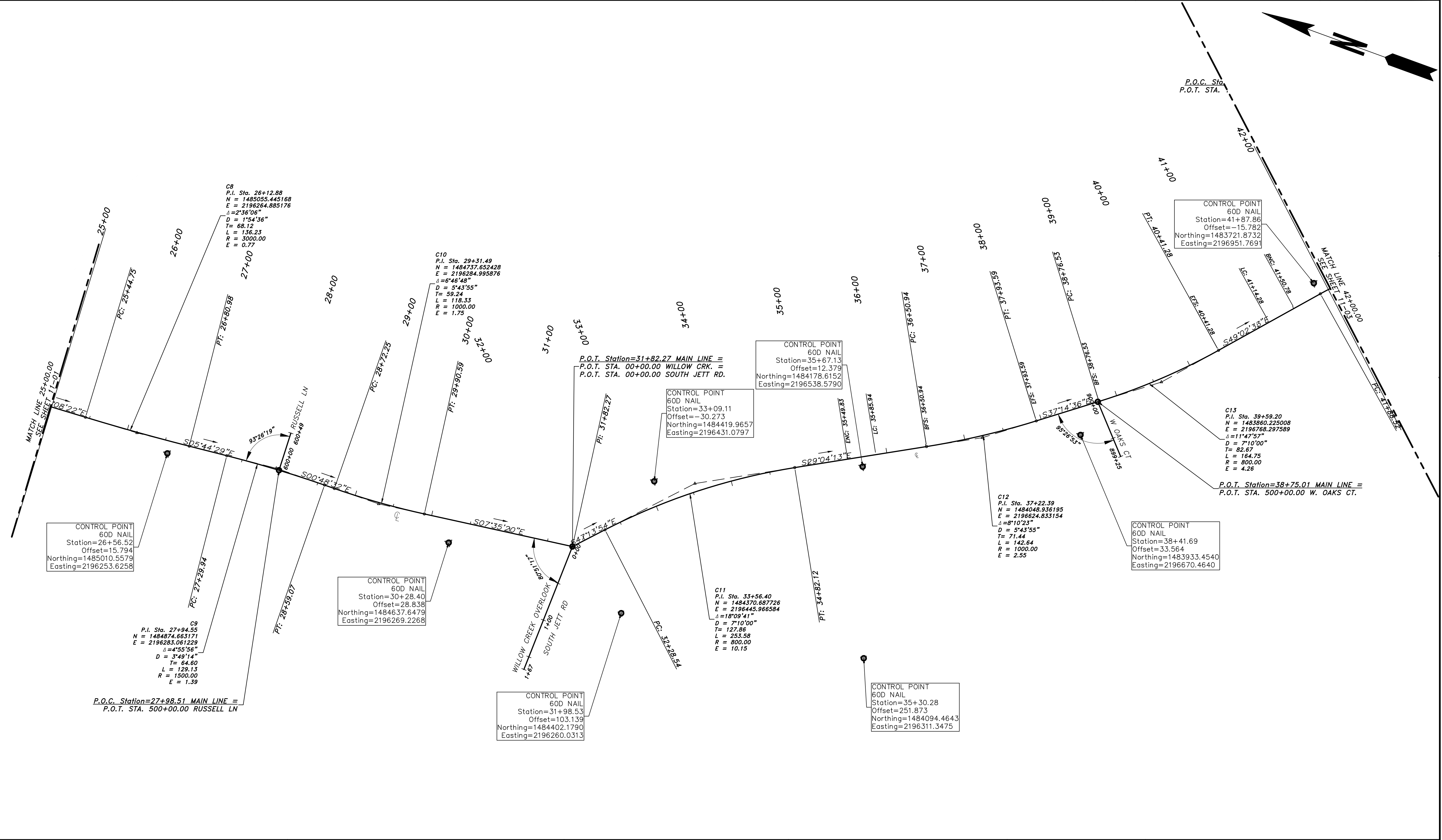


REVISION DATES	

CHEROKEE COUNTY
 DEPARTMENT OF TRANSPORTATION
 OFFICE:
 CONSTRUCTION LAYOUT

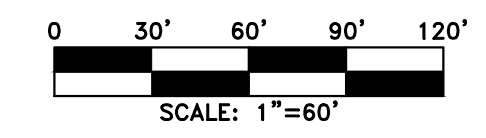
STA. 10+00 TO STA 25+00
 HAMES ROAD

DRAWING No.
11-01



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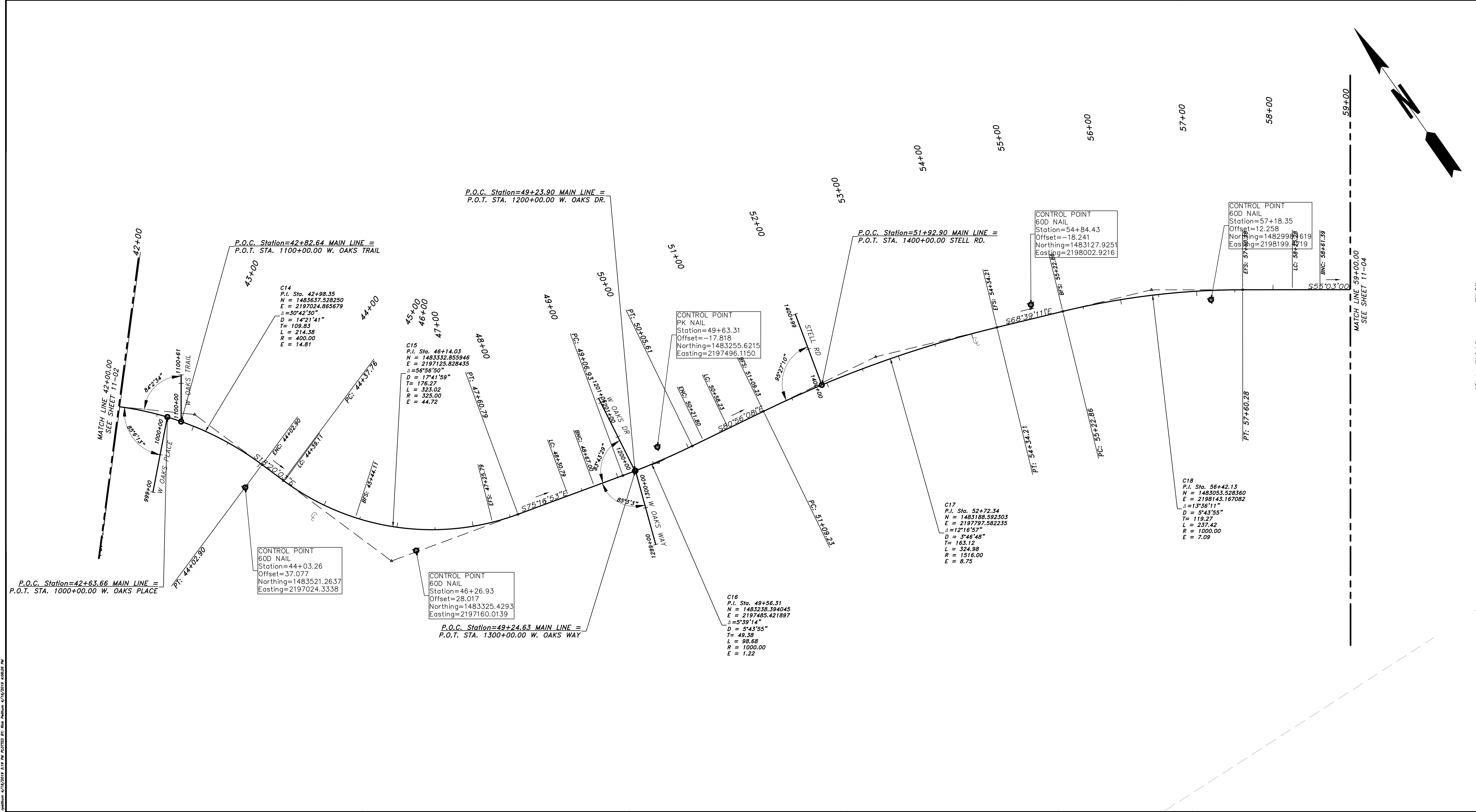
ATWELL
 866.850.4200 www.atwell-group.com
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 MARIETTA, GA
 770.423.0807



REVISION DATES	

CHEROKEE COUNTY
 DEPARTMENT OF TRANSPORTATION
 OFFICE:
 CONSTRUCTION LAYOUT
 STA. 25+00 TO STA 42+00
 HAMES ROAD

DRAWING No.
11-02



FILE NAME: I:\003-CONSTRUCTION.dwg LAST DATE: 4/16/2019 3:13 PM PLOTTED BY: rpellhum 4/16/2019 4:08:52 PM

NO.	DATE	DESCRIPTION



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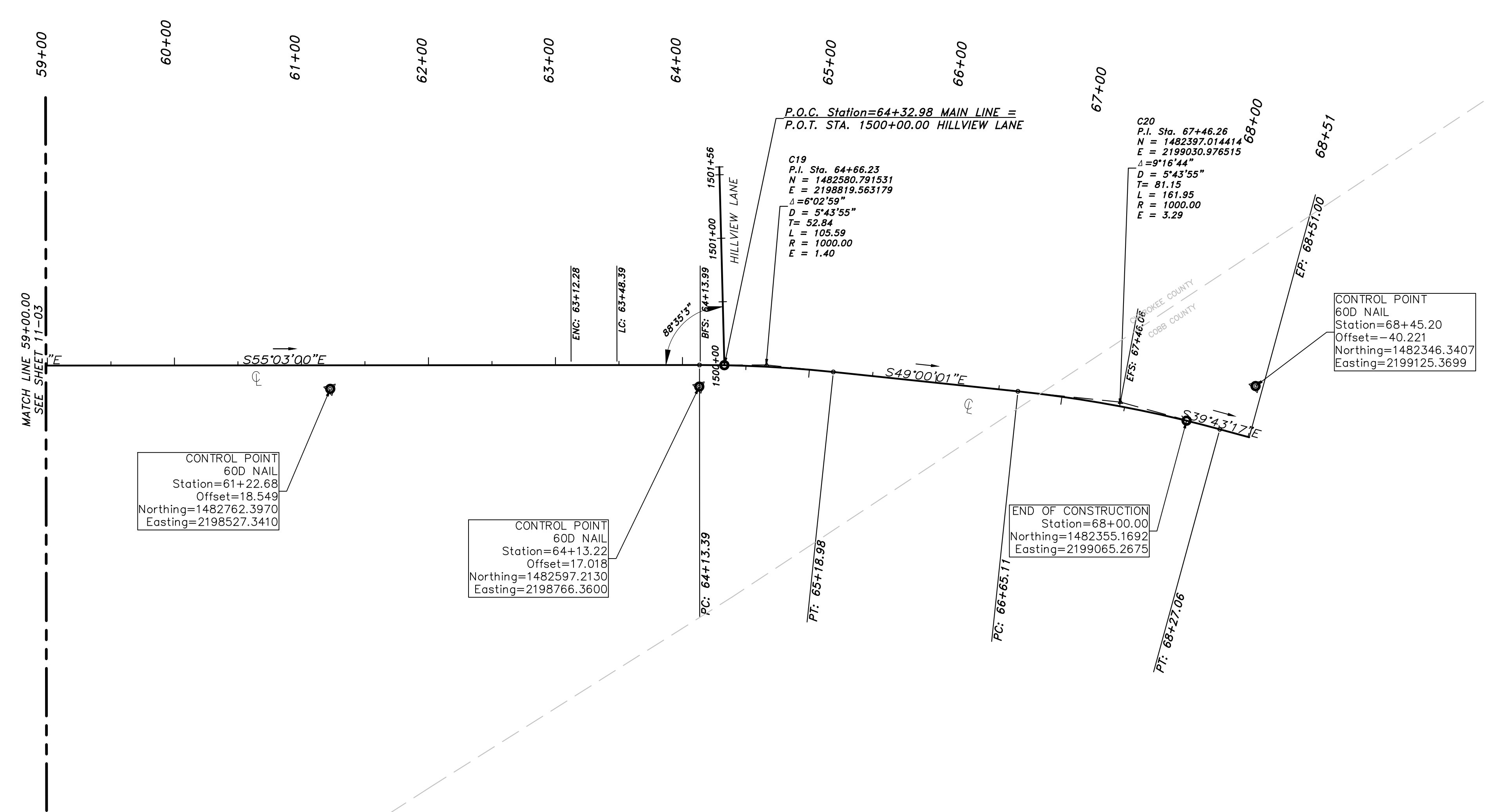


NO.	DATE	DESCRIPTION

CHEROKEE COUNTY
 DEPARTMENT OF TRANSPORTATION
 OFFICE:
CONSTRUCTION LAYOUT

STA. 42+00 TO STA 59+00
 HAMES ROAD

DRAWING No.
11-03



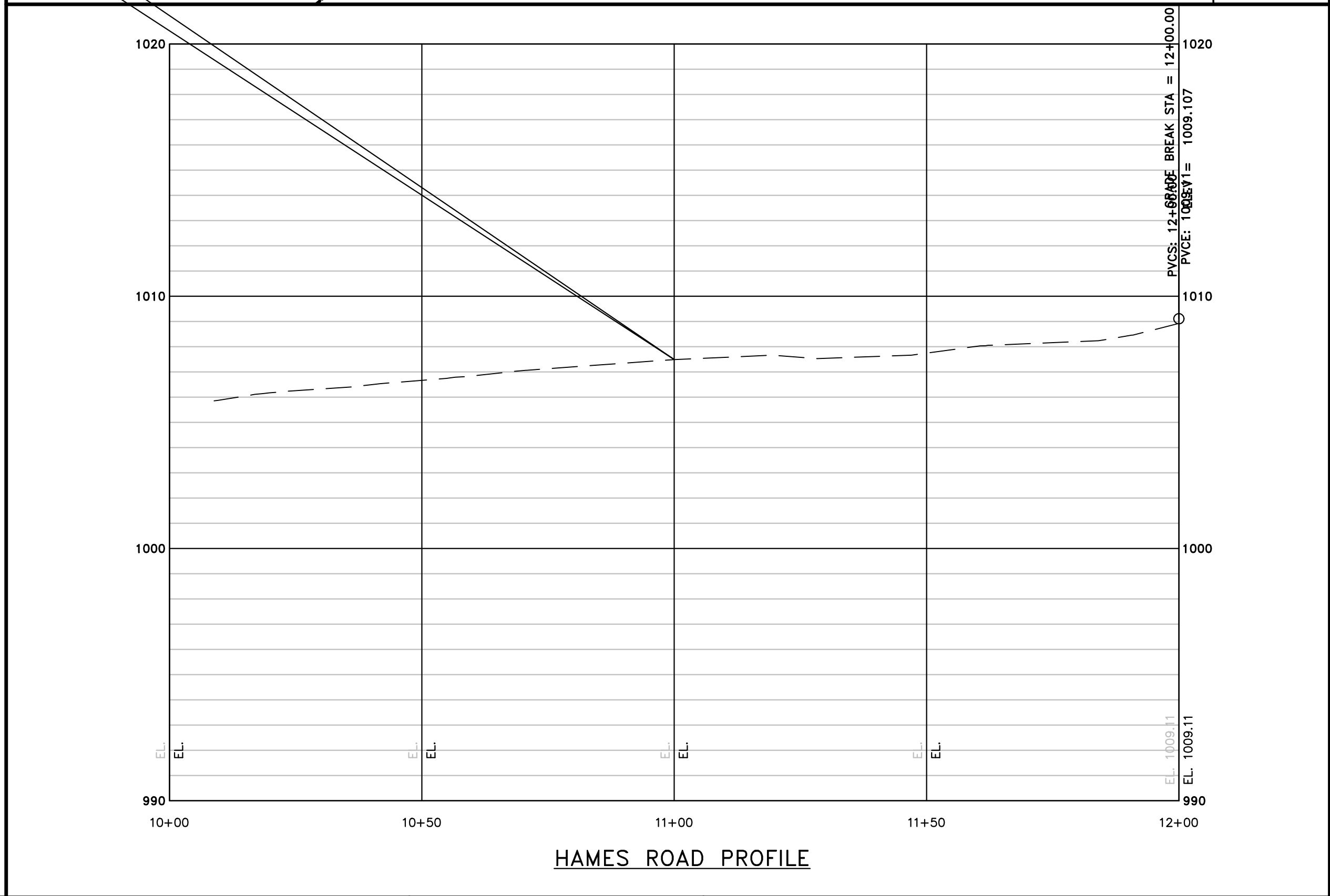
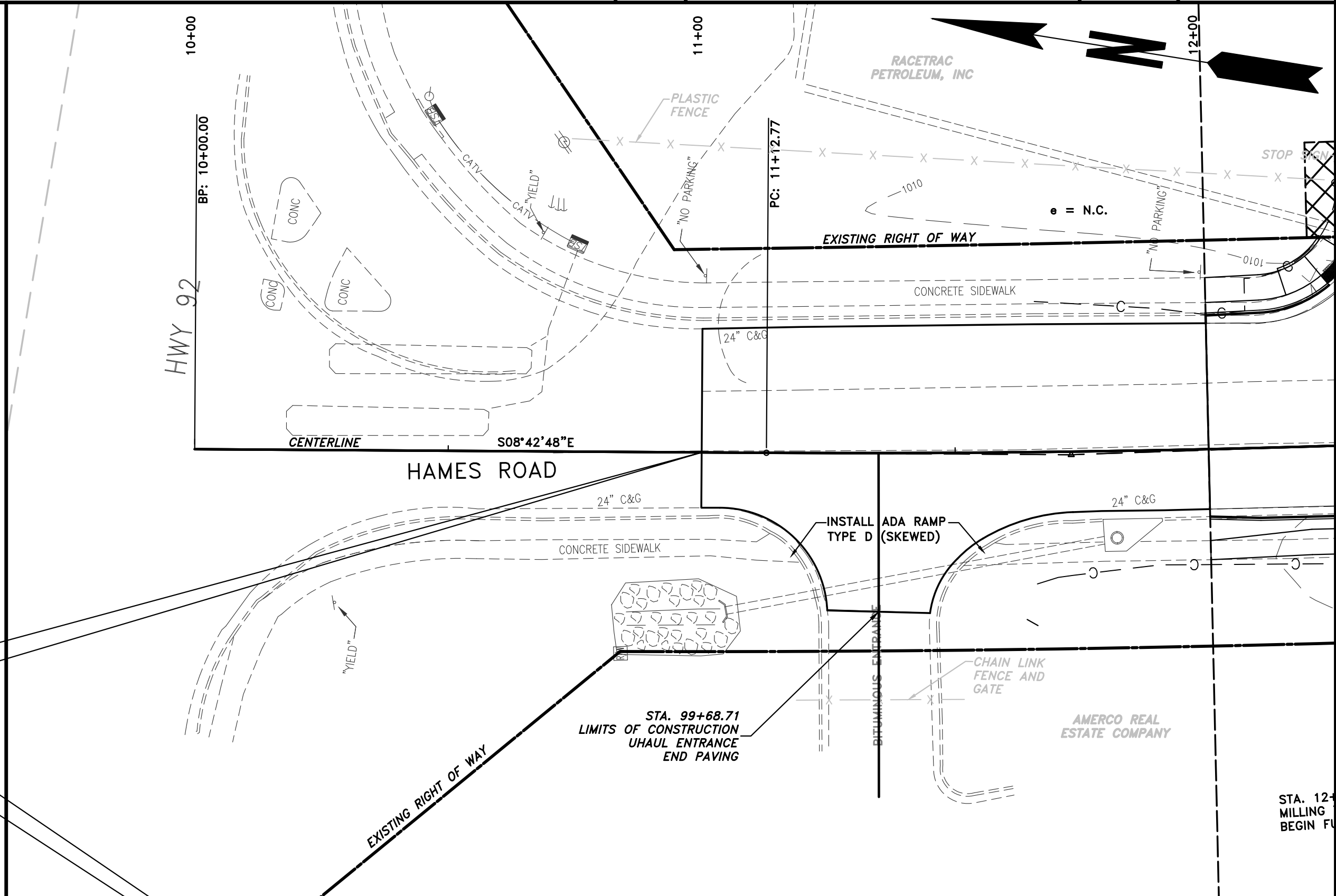
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REVISION DATES	

CHEROKEE COUNTY
 DEPARTMENT OF TRANSPORTATION
 OFFICE:
 CONSTRUCTION LAYOUT
 STA. 59+00 TO STA 68+51
 HAMES ROAD

DRAWING No.
 11-04

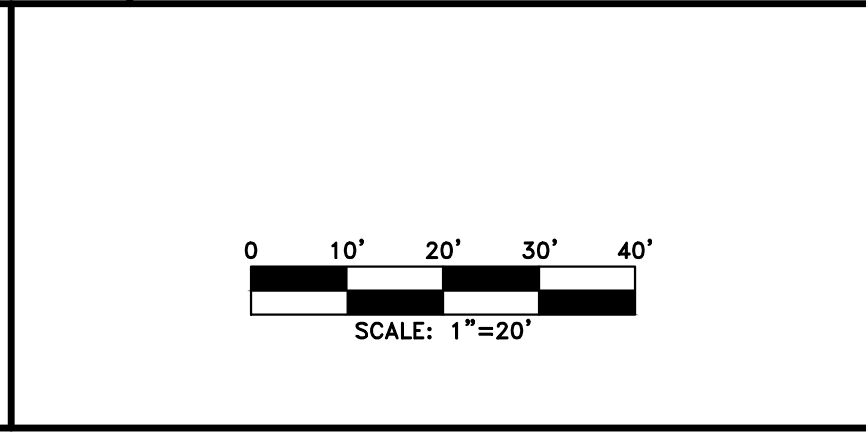


PROPERTY AND EXISTING R/W LINE	
REQUIRED R/W LINE	
CONSTRUCTION LIMITS	
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES	
EASEMENT FOR CONSTR OF SLOPES	
EASEMENT FOR CONSTR OF DRIVES	

BEGIN LIMIT OF ACCESS.....BLA	
END LIMIT OF ACCESS.....ELA	
LIMIT OF ACCESS	
REQ'D R/W & LIMIT OF ACCESS	

PROPOSED 5' WIDE CONC. SIDEWALK

ATWELL
 866.850.4200 www.atwell-group.com
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 770.423.0807

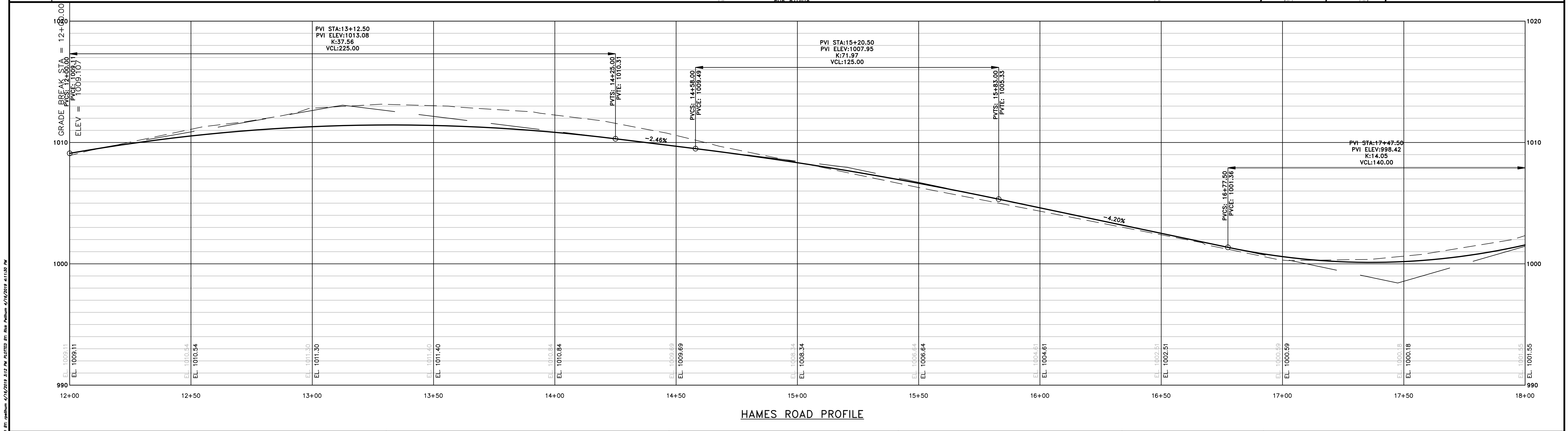
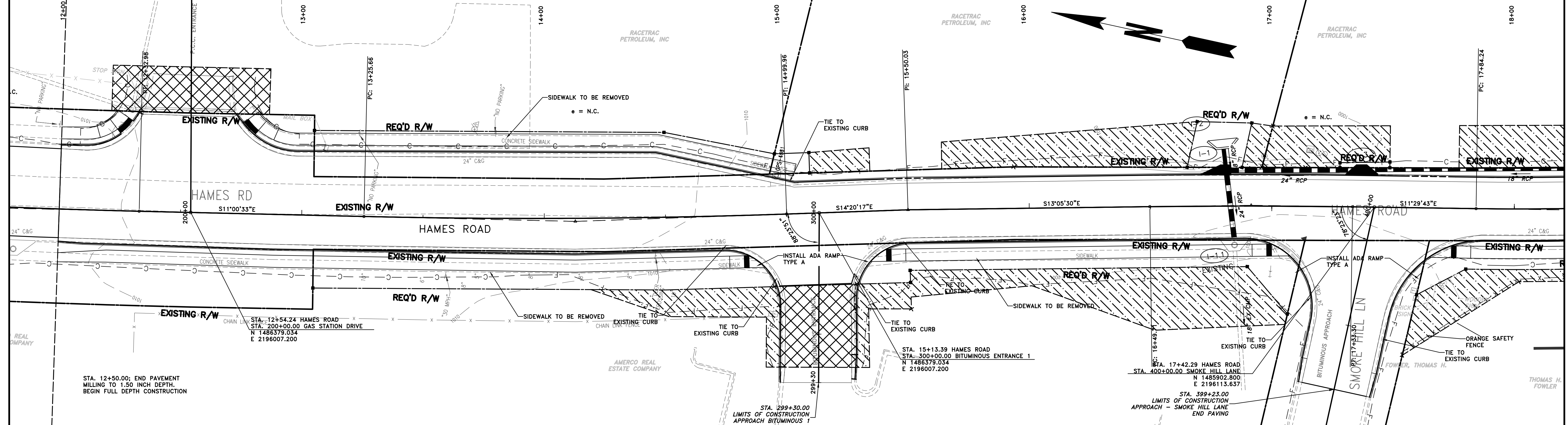


REVISION	DATE	DESCRIPTION

CHEROKEE COUNTY
 DEPARTMENT OF TRANSPORTATION
 OFFICE:
 MAINLINE PLAN AND PROFILE
 STA. 10+00 TO STA 12+00
 HAMES ROAD

DRAWING No.
13-01

THE MAKE, MODEL, YEAR AND PARTS LIST SHOWN ON THIS DRAWING ARE NOT TO BE USED BY ANY OTHER PARTY WITHOUT THE WRITTEN PERMISSION OF ATWELL GROUP, INC. DATE: 04/15/2019 4:11:15 PM

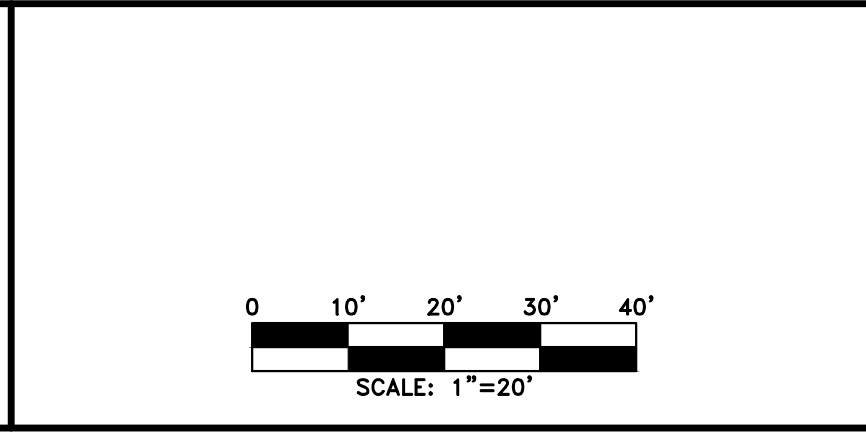


PROPERTY AND EXISTING R/W LINE	
REQUIRED R/W LINE	
CONSTRUCTION LIMITS	
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES	
EASEMENT FOR CONSTR OF SLOPES	
EASEMENT FOR CONSTR OF DRIVES	

BEGIN LIMIT OF ACCESS.....BLA
 END LIMIT OF ACCESS.....ELA
 LIMIT OF ACCESS
 REQ'D R/W & LIMIT OF ACCESS

PROPOSED 5' WIDE CONC. SIDEWALK

ATWELL
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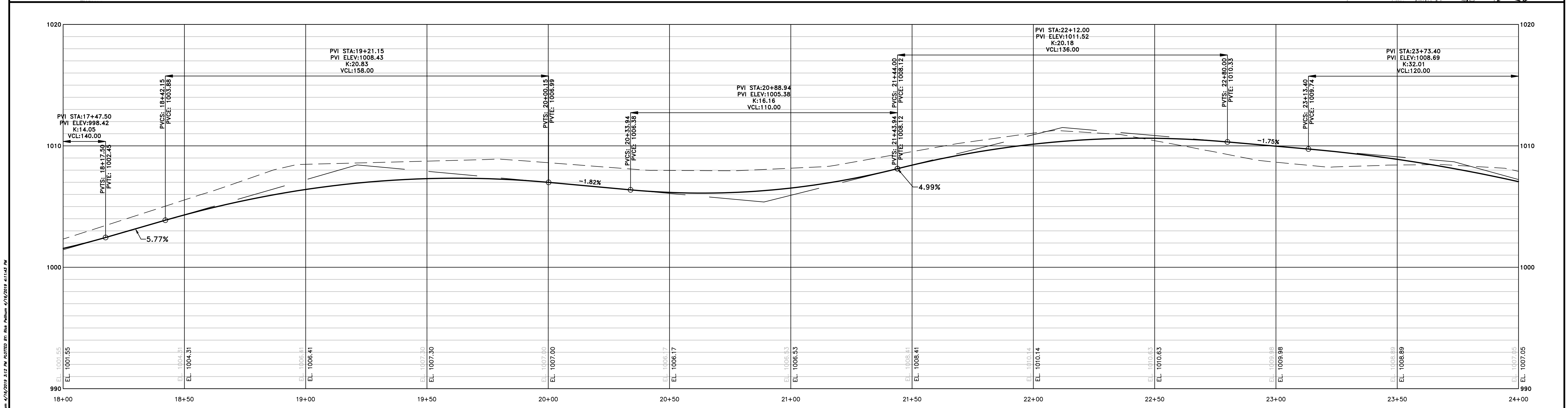
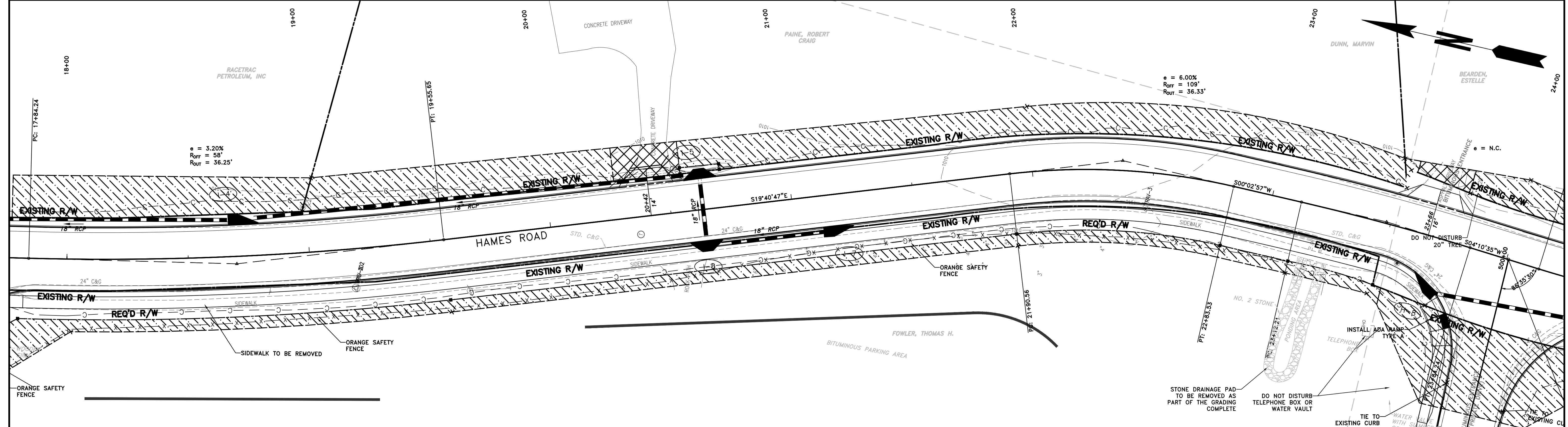
REVISION	DATE	DESCRIPTION

CHEROKEE COUNTY
 DEPARTMENT OF TRANSPORTATION
 OFFICE:
 MAINLINE PLAN AND PROFILE

STA. 12+00 TO STA. 18+00
 HAMES ROAD

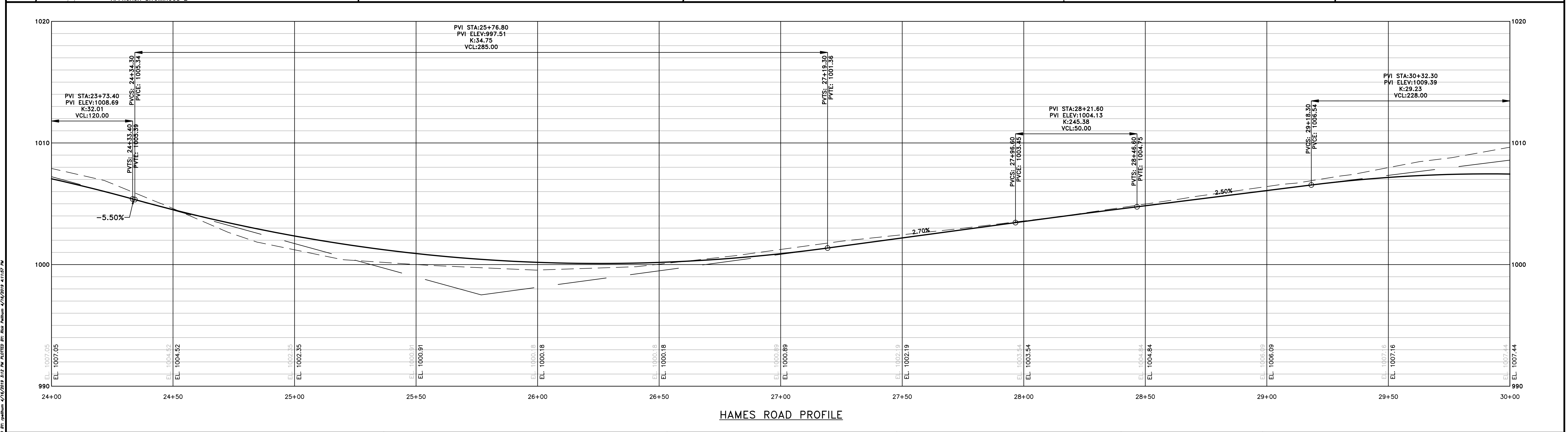
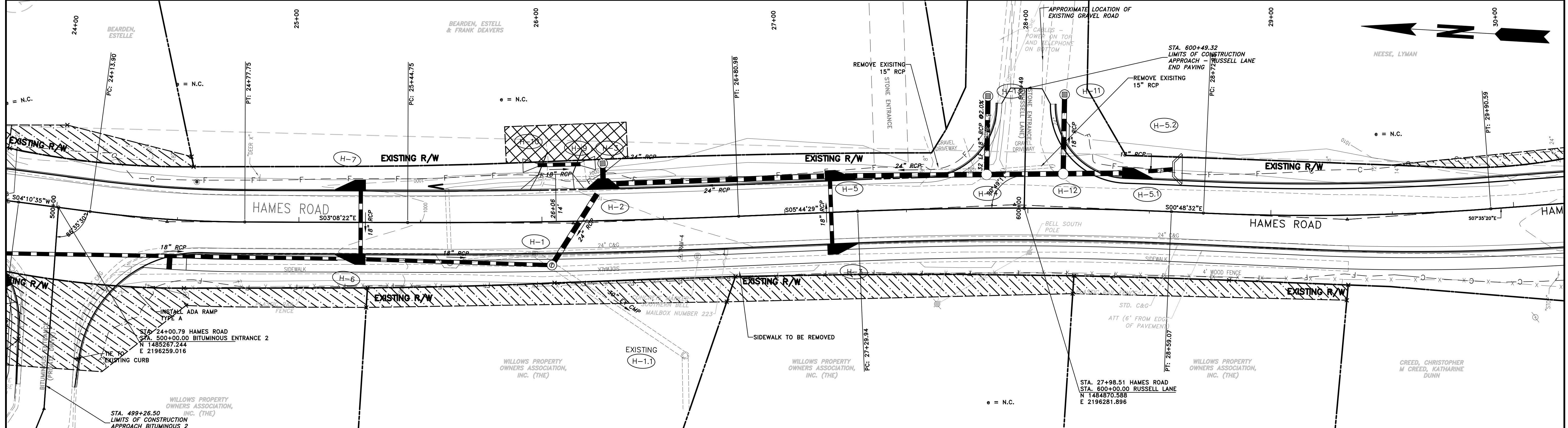
DRAWING No.
13-02

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 DATE: 04/15/2019 3:13:44 PM
 PLOT DATE: 04/15/2019 4:11:03 PM



<p>PROPERTY AND EXISTING R/W LINE REQUIRED R/W LINE CONSTRUCTION LIMITS EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES EASEMENT FOR CONSTR OF SLOPES EASEMENT FOR CONSTR OF DRIVES</p>	<p>BEGIN LIMIT OF ACCESS.....BLA END LIMIT OF ACCESS.....ELA LIMIT OF ACCESS REQ'D R/W & LIMIT OF ACCESS</p> <p>PROPOSED 5' WIDE CONC. SIDEWALK</p>	 866.850.4200 www.atwell-group.com 1800 PARKWAY PLACE, SUITE 700 MARIETTA, GA 30067	 SCALE: 1"=20'	<table border="1" style="width:100%; border-collapse: collapse;"> <tr><th colspan="2">REVISION DATES</th></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> </table>	REVISION DATES												CHEROKEE COUNTY DEPARTMENT OF TRANSPORTATION OFFICE: MAINLINE PLAN AND PROFILE STA. 18+00 TO 24+00 HAMES ROAD	DRAWING No. 13-03
REVISION DATES																		

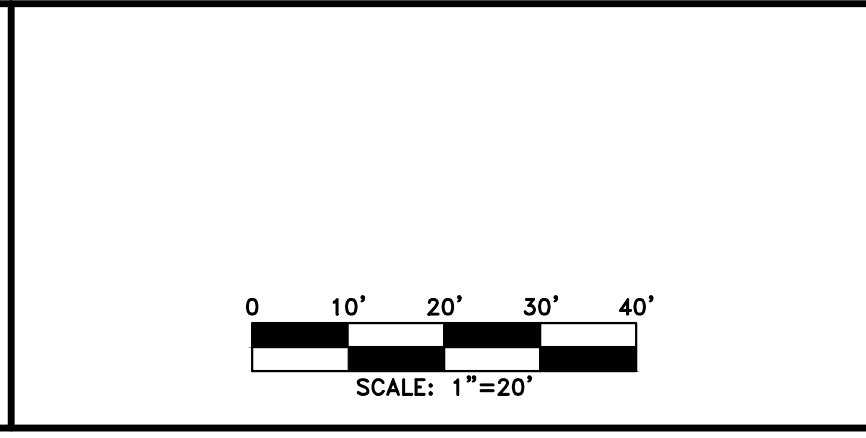
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PROPERTY AND EXISTING R/W LINE	
REQUIRED R/W LINE	
CONSTRUCTION LIMITS	
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES	
EASEMENT FOR CONSTR OF SLOPES	
EASEMENT FOR CONSTR OF DRIVES	

BEGIN LIMIT OF ACCESS.....BLA
 END LIMIT OF ACCESS.....ELA
 LIMIT OF ACCESS
 REQ'D R/W & LIMIT OF ACCESS
 PROPOSED 5' WIDE CONC. SIDEWALK

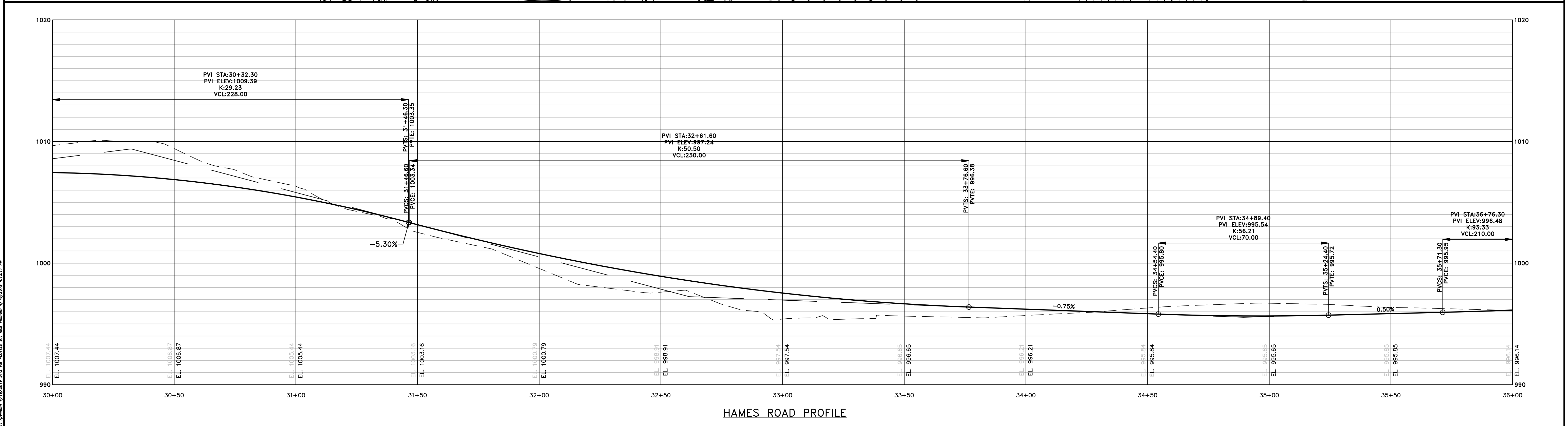
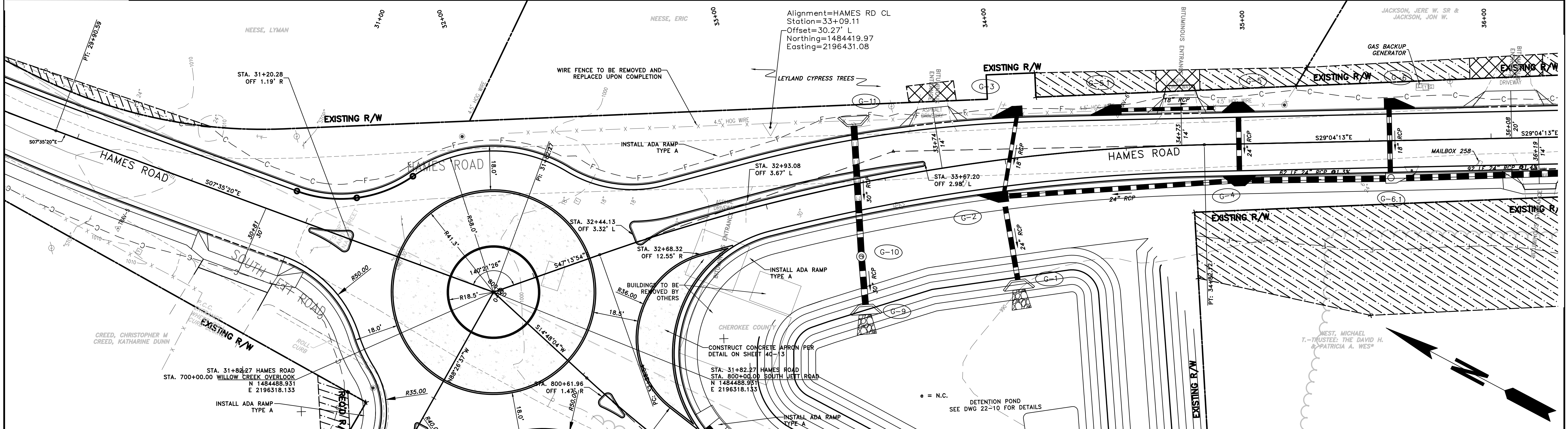
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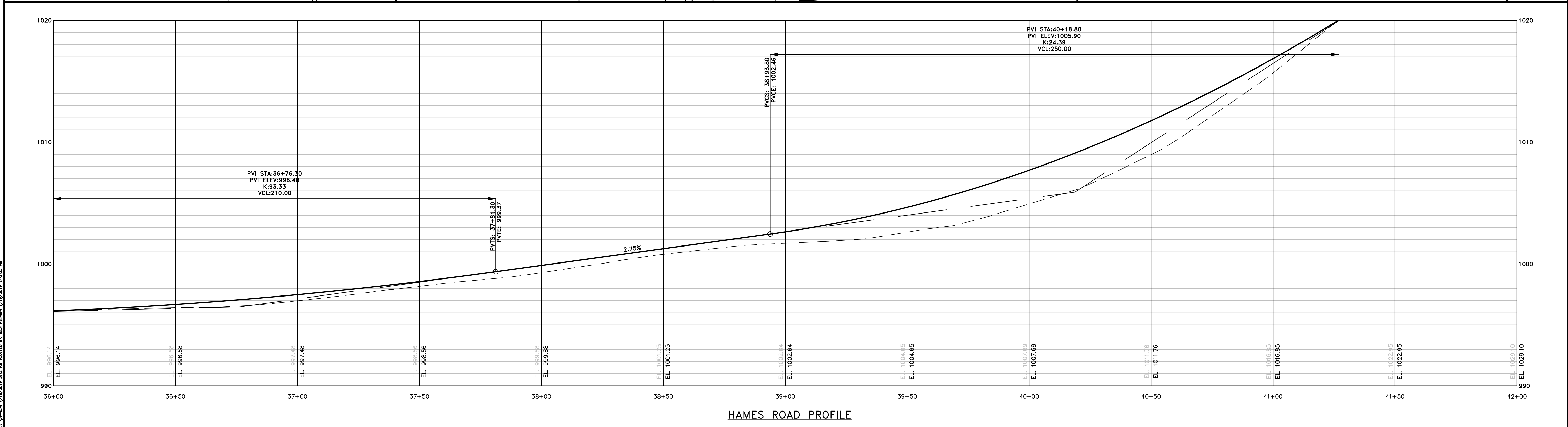
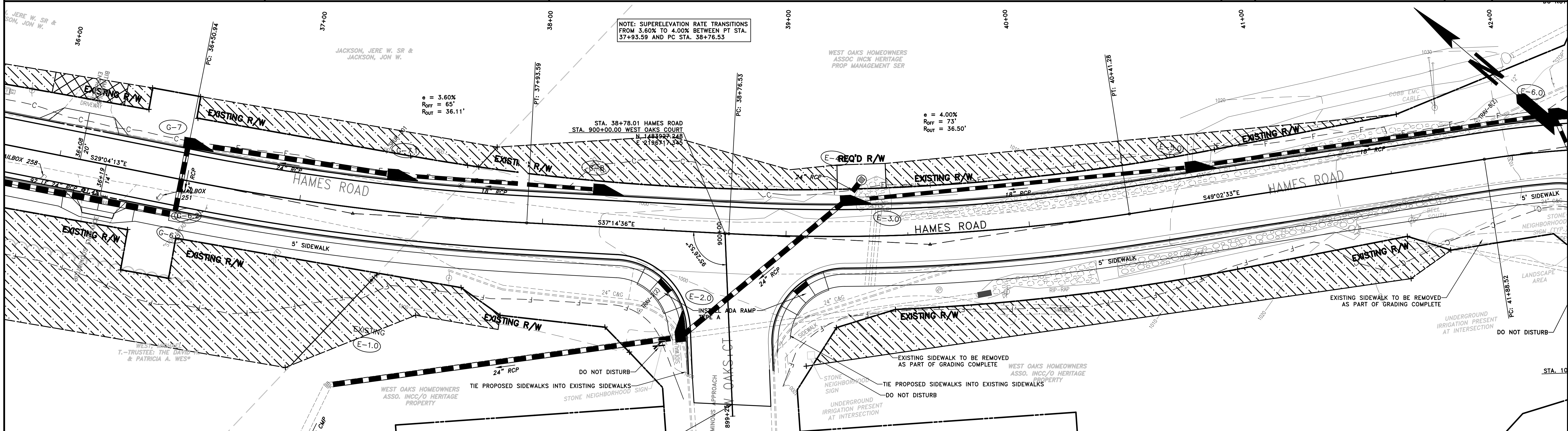
REVISION	DATE	DESCRIPTION

CHEROKEE COUNTY
 DEPARTMENT OF TRANSPORTATION
 OFFICE:
 MAINLINE PLAN AND PROFILE
 STA. 24+00 TO STA. 30+00
 HAMES ROAD
 DRAWING No.
 13-04

FILE NAME: 14003-TPLAN AND PROFILE.dwg LAST SAVED BY: rpelhum 4/15/2019 3:12 PM PLOTTED BY: rpelhum 4/15/2019 4:13:07 PM
 04-15-2019



PROPERTY AND EXISTING R/W LINE REQUIRED R/W LINE CONSTRUCTION LIMITS EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES EASEMENT FOR CONSTR OF SLOPES EASEMENT FOR CONSTR OF DRIVES		BEGIN LIMIT OF ACCESS.....BLA END LIMIT OF ACCESS.....ELA LIMIT OF ACCESS REQ'D R/W & LIMIT OF ACCESS PROPOSED 5' WIDE CONC. SIDEWALK			REVISION DATES	CHEROKEE COUNTY DEPARTMENT OF TRANSPORTATION OFFICE: MAINLINE PLAN AND PROFILE STA. 30+00 TO STA. 36+00 HAMES ROAD	DRAWING No. 13-05
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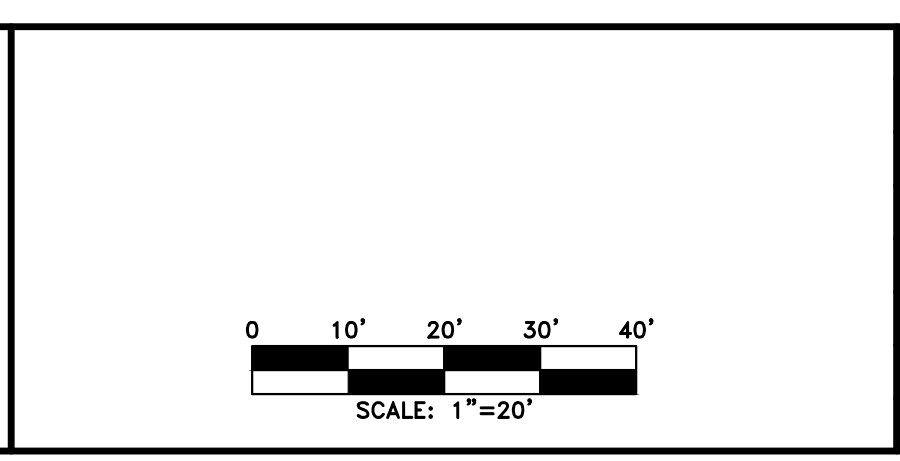
PROPERTY AND EXISTING R/W LINE
 REQUIRED R/W LINE
 CONSTRUCTION LIMITS
 EASEMENT FOR CONSTR
 & MAINTENANCE OF SLOPES
 EASEMENT FOR CONSTR OF SLOPES
 EASEMENT FOR CONSTR OF DRIVES

Legend symbols for various line types and easements.

BEGIN LIMIT OF ACCESS.....BLA
 END LIMIT OF ACCESS.....ELA
 LIMIT OF ACCESS
 REQ'D R/W & LIMIT OF ACCESS

PROPOSED 5' WIDE CONC. SIDEWALK

ATWELL
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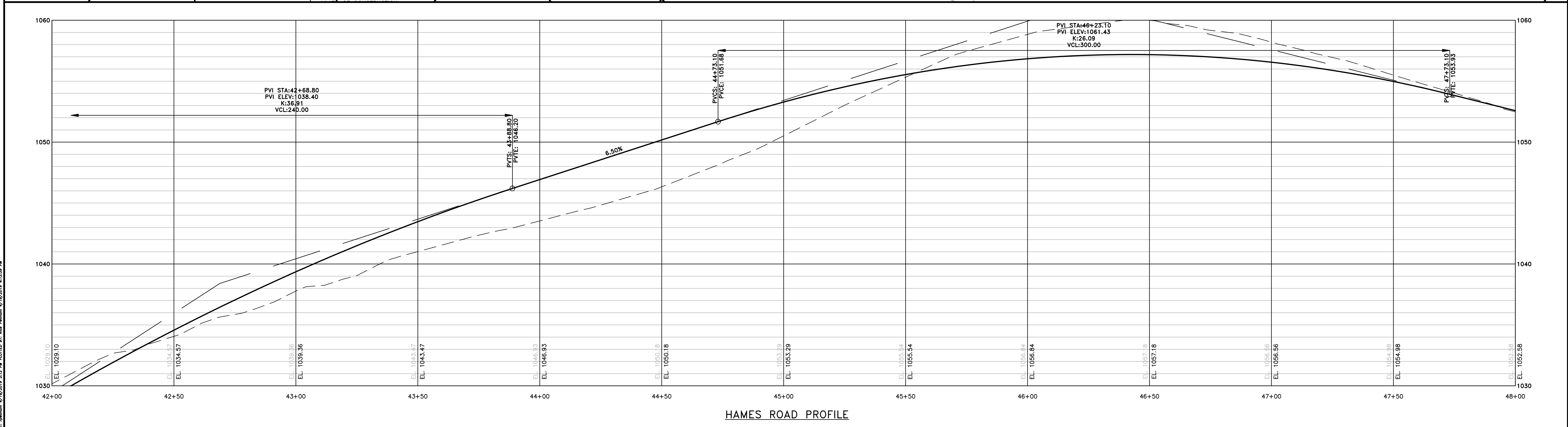
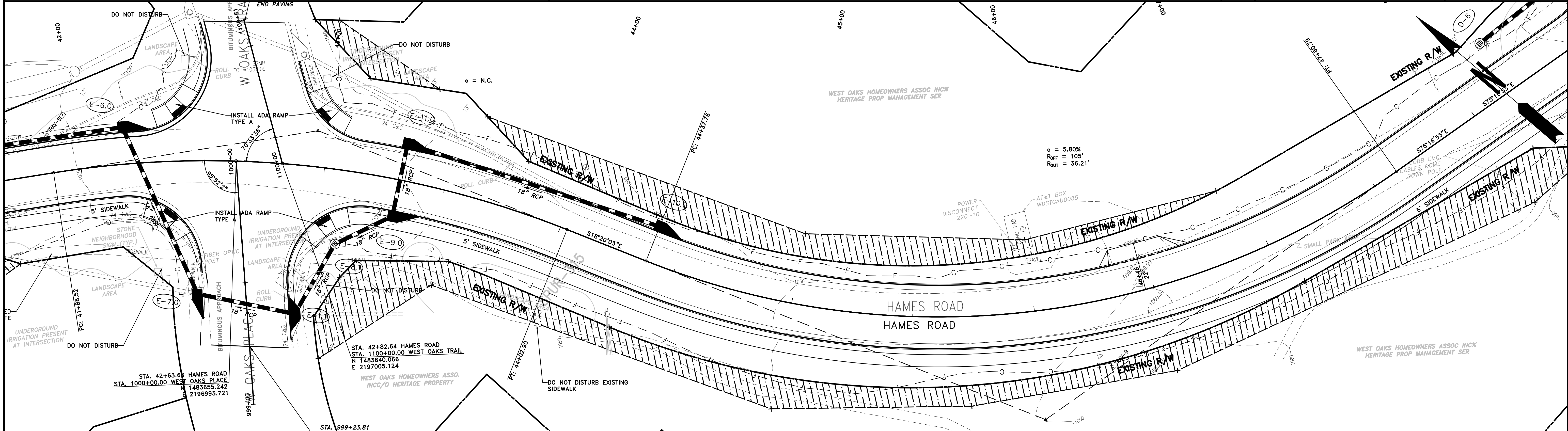


REVISION DATES	

CHEROKEE COUNTY
 DEPARTMENT OF TRANSPORTATION
 OFFICE:
 MAINLINE PLAN AND PROFILE

STA. 36+00 TO STA. 42+00
 HAMES ROAD

DRAWING No.
13-06



HAMES ROAD PROFILE

PROPERTY AND EXISTING R/W LINE	
REQUIRED R/W LINE	
CONSTRUCTION LIMITS	
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES	
EASEMENT FOR CONSTR OF SLOPES	
EASEMENT FOR CONSTR OF DRIVES	

BEGIN LIMIT OF ACCESS.....BLA
 END LIMIT OF ACCESS.....ELA
 LIMIT OF ACCESS
 REQ'D R/W & LIMIT OF ACCESS

PROPOSED 5' WIDE CONC. SIDEWALK



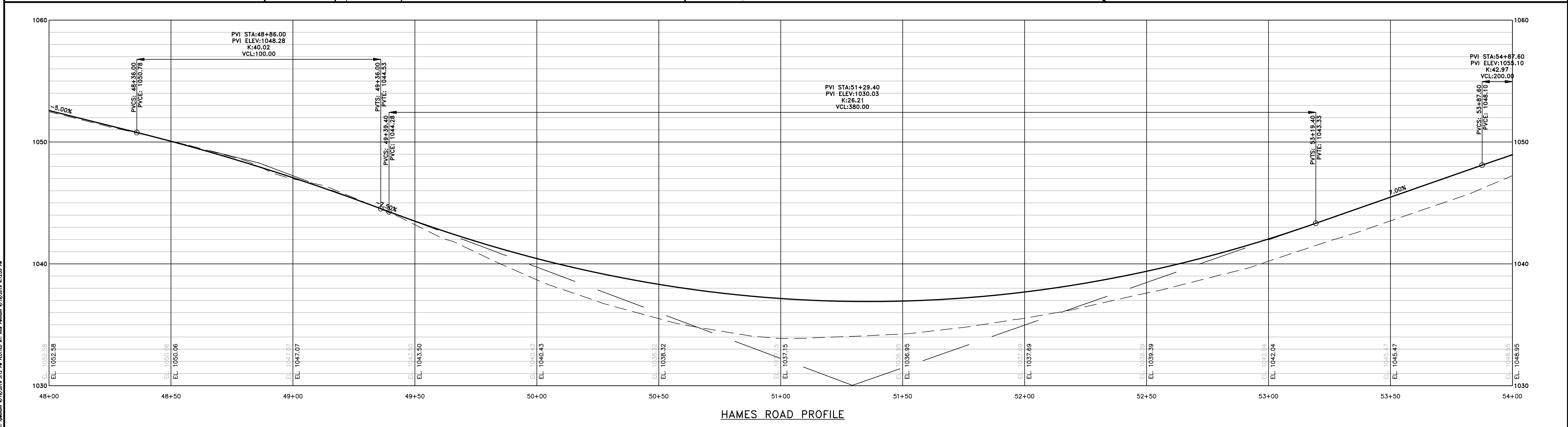
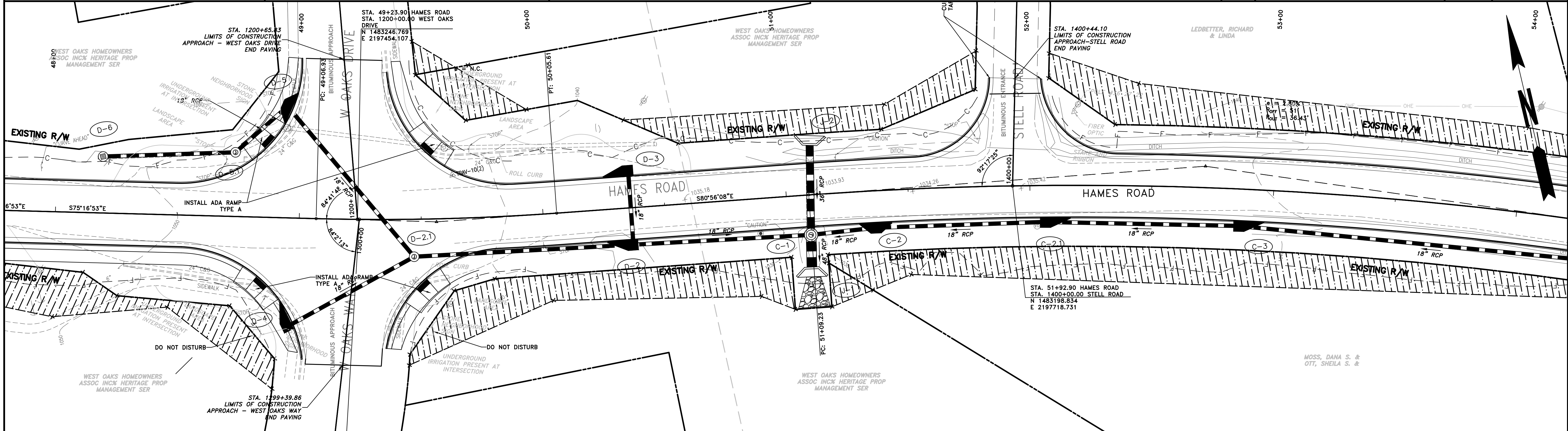
REVISION DATES	

CHEROKEE COUNTY
 DEPARTMENT OF TRANSPORTATION
 OFFICE:
 MAINLINE PLAN AND PROFILE

STA 42+00 TO STA. 48+00
 HAMES ROAD

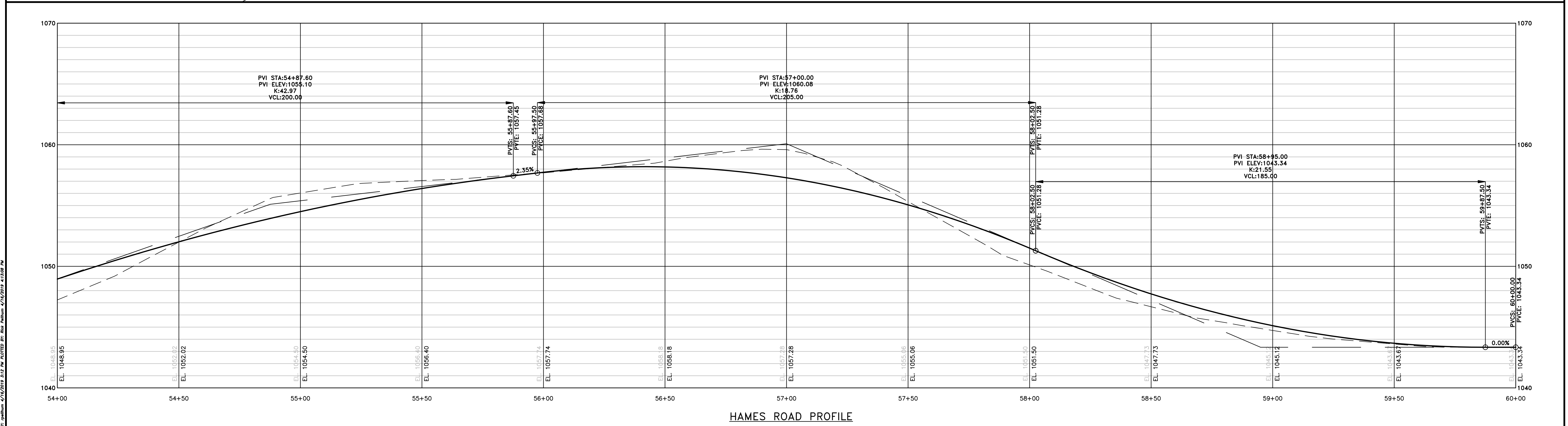
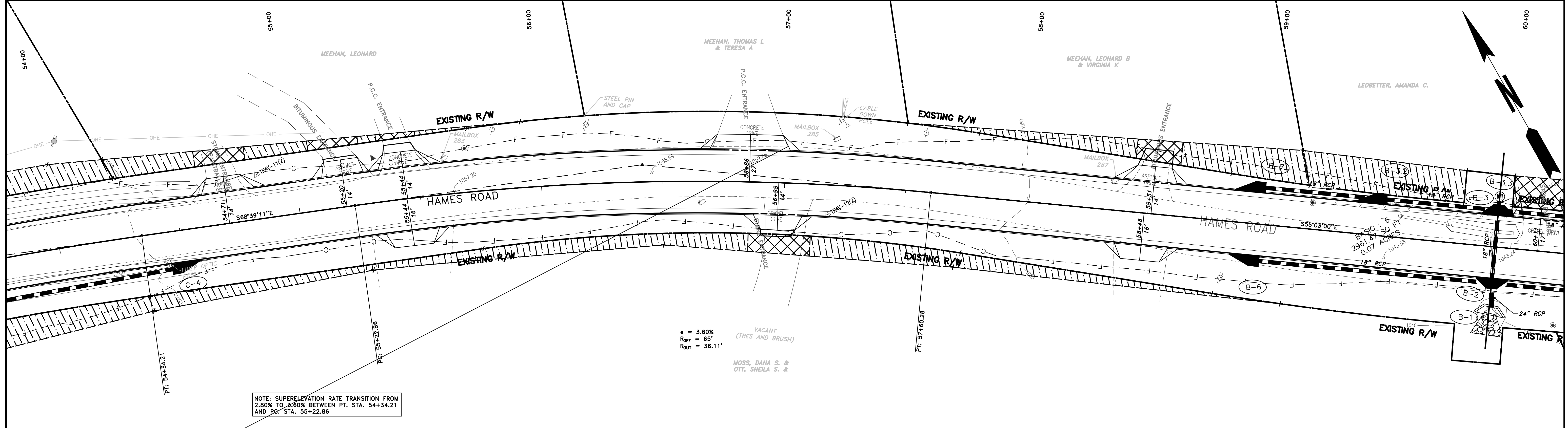
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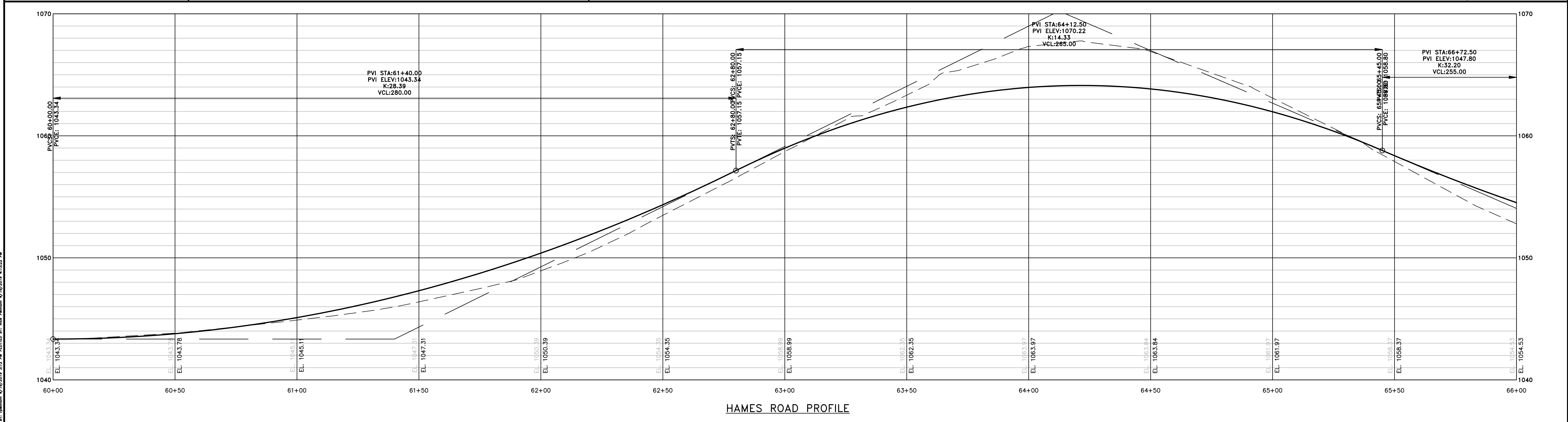
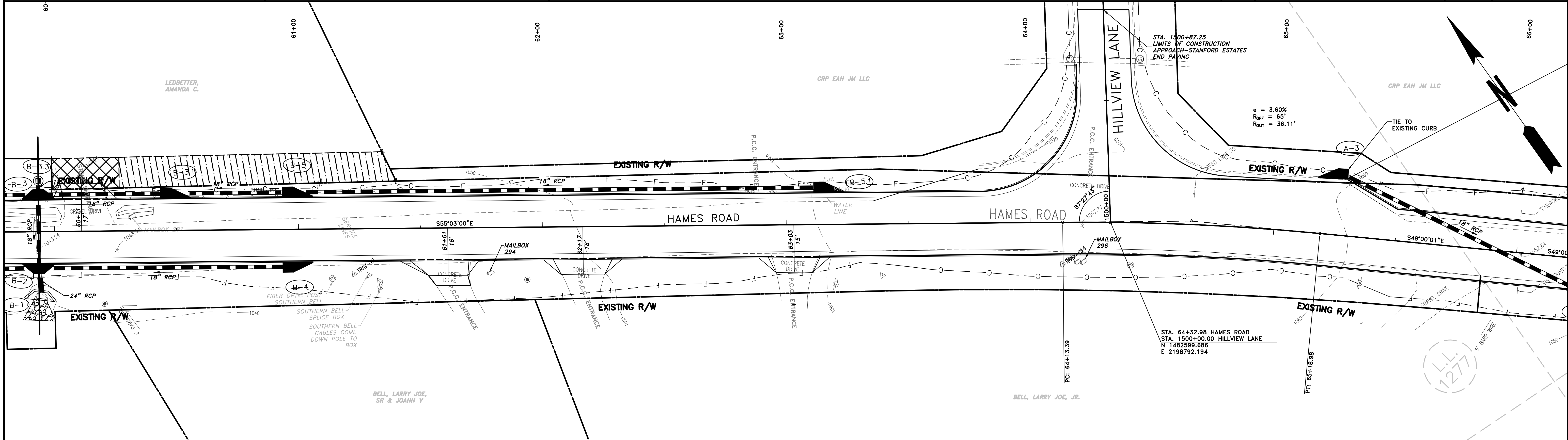


<p>PROPERTY AND EXISTING R/W LINE — P —</p> <p>REQUIRED R/W LINE — C — F —</p> <p>CONSTRUCTION LIMITS — [Hatched Box] —</p> <p>EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES — [Diagonal Hatched Box] —</p> <p>EASEMENT FOR CONSTR OF SLOPES — [Cross-hatched Box] —</p> <p>EASEMENT FOR CONSTR OF DRIVES — [X-hatched Box] —</p>	<p>BEGIN LIMIT OF ACCESS.....BLA</p> <p>END LIMIT OF ACCESS.....ELA</p> <p>LIMIT OF ACCESS — [Dashed Line] —</p> <p>REQ'D R/W & LIMIT OF ACCESS — [Thick Line] —</p> <p>PROPOSED 5' WIDE CONC. SIDEWALK — [Solid Black Box] —</p>	<p>ATWELL 866.850.4200 www.atwell-group.com 1800 PARKWAY PLACE, SUITE 700 MARIETTA, GA 770.423.0807</p>	<p>SCALE: 1"=20'</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><th colspan="2">REVISION DATES</th></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> </table>	REVISION DATES												<p>CHEROKEE COUNTY DEPARTMENT OF TRANSPORTATION</p> <p>OFFICE: MAINLINE PLAN AND PROFILE</p> <p>STA. 48+00 TO STA. 54+00 HAMES ROAD</p> <p>DRAWING No. 13-08</p>
REVISION DATES																	

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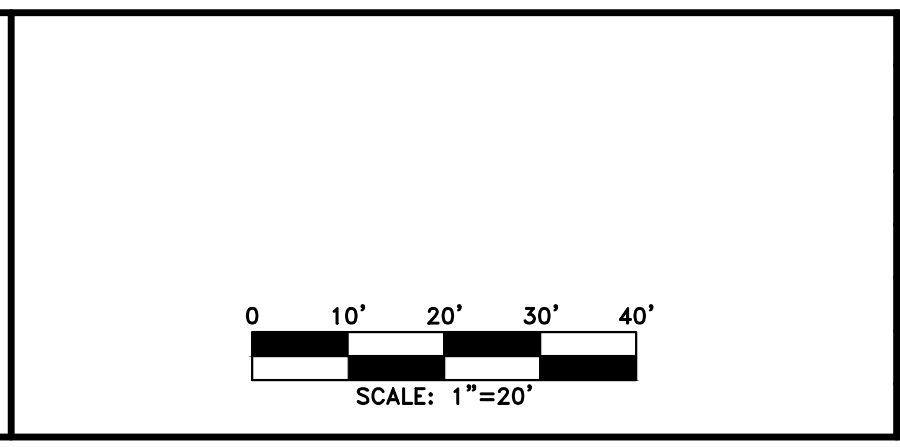
<p>PROPERTY AND EXISTING R/W LINE — P —</p> <p>REQUIRED R/W LINE — C — F —</p> <p>CONSTRUCTION LIMITS — [Hatched Box] —</p> <p>EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES — [Diagonal Hatched Box] —</p> <p>EASEMENT FOR CONSTR OF SLOPES — [Cross-hatched Box] —</p> <p>EASEMENT FOR CONSTR OF DRIVES — [X-hatched Box] —</p>	<p>BEGIN LIMIT OF ACCESS.....BLA</p> <p>END LIMIT OF ACCESS.....ELA</p> <p>LIMIT OF ACCESS — ooo — ooo —</p> <p>REQ'D R/W & LIMIT OF ACCESS — — —</p> <p>PROPOSED 5' WIDE CONC. SIDEWALK [Black Box]</p>	<p>ATWELL 866.850.4200 www.atwell-group.com 1800 PARKWAY PLACE, SUITE 700 MARIETTA, GA 30067</p>	<p>SCALE: 1"=20'</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2">REVISION DATES</th> </tr> </thead> <tbody> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> </tbody> </table>	REVISION DATES																		<p>CHEROKEE COUNTY DEPARTMENT OF TRANSPORTATION</p> <p>OFFICE: MAINLINE PLAN AND PROFILE</p> <p>STA. 54+00 TO STA. 60+00 HAMES ROAD</p> <p>DRAWING No. 13-09</p>
REVISION DATES																							



PROPERTY AND EXISTING R/W LINE
 REQUIRED R/W LINE
 CONSTRUCTION LIMITS
 EASEMENT FOR CONSTR
 & MAINTENANCE OF SLOPES
 EASEMENT FOR CONSTR OF SLOPES
 EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
 END LIMIT OF ACCESS.....ELA
 LIMIT OF ACCESS
 REQ'D R/W & LIMIT OF ACCESS
 PROPOSED 5' WIDE CONC. SIDEWALK

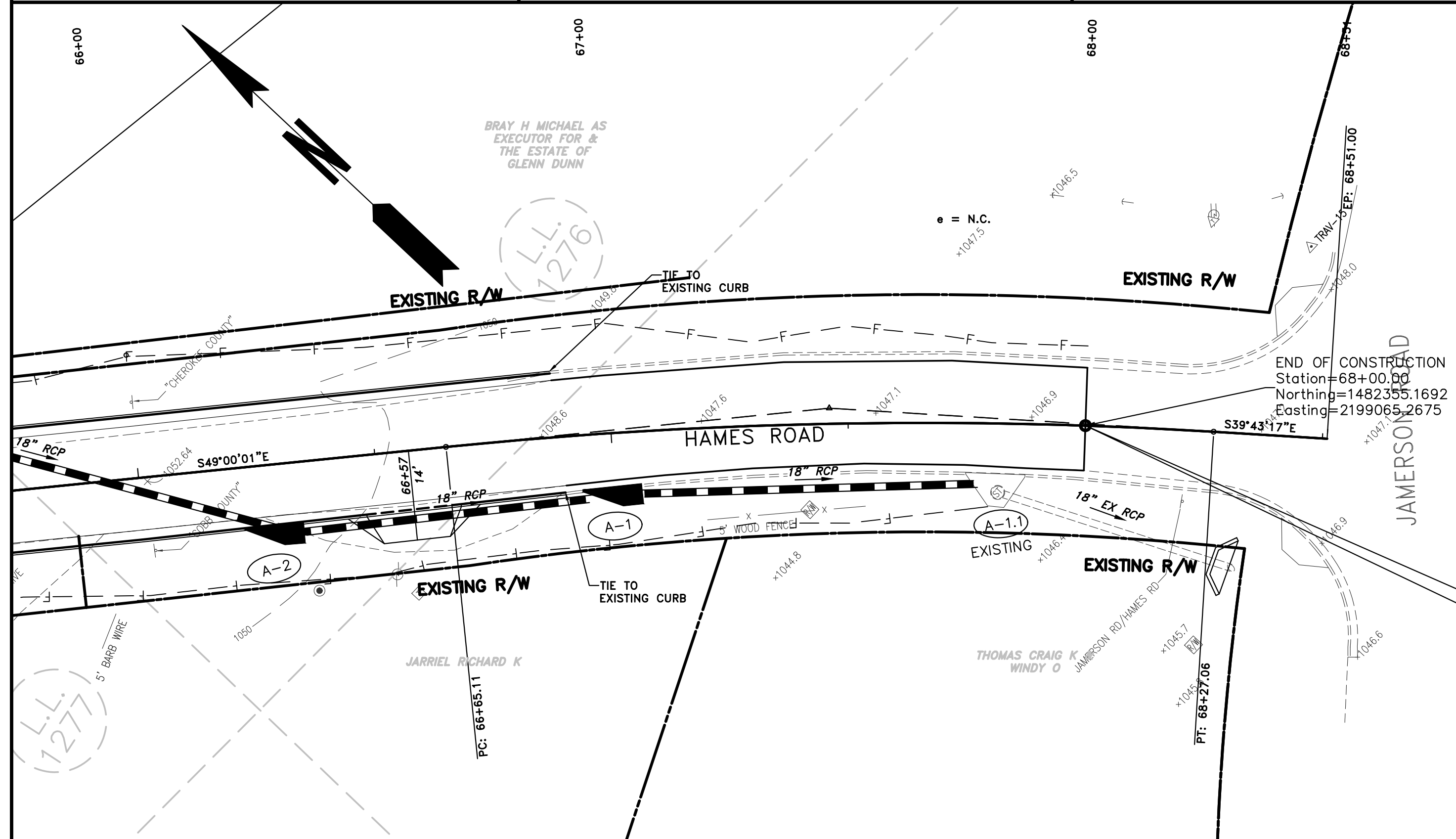
ATWELL
 866.850.4200 www.atwell-group.com
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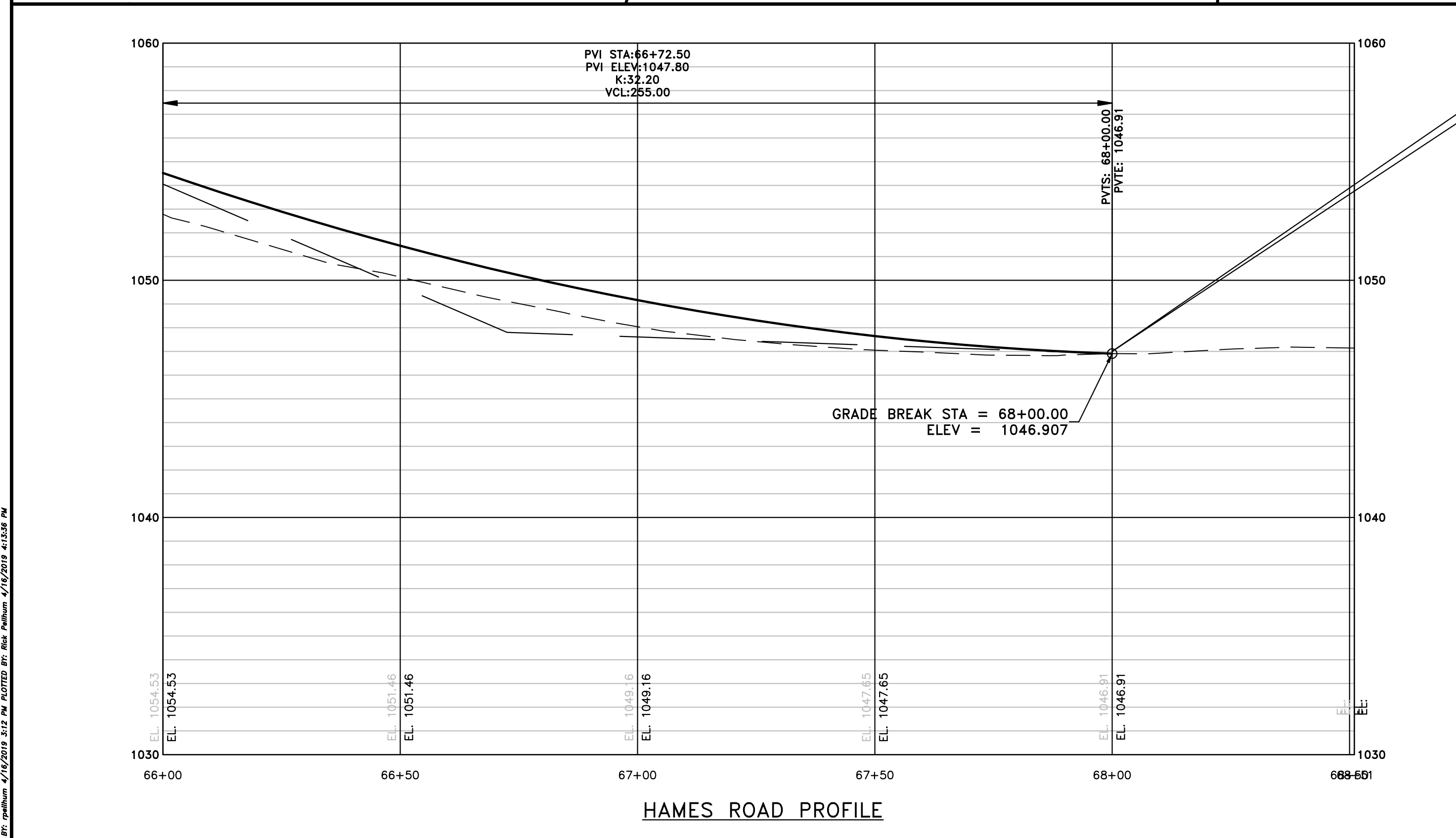
REVISION DATES	

CHEROKEE COUNTY
 DEPARTMENT OF TRANSPORTATION
 OFFICE:
 MAINLINE PLAN AND PROFILE
 STA. 60+00 TO STA. 66+00
 HAMES ROAD
 DRAWING No.
 13-10

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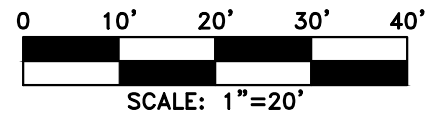
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 END PROJECT
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 E 2199065.2675



HAMES ROAD PROFILE

PROPERTY AND EXISTING R/W LINE	
REQUIRED R/W LINE	
CONSTRUCTION LIMITS	
EASEMENT FOR CONSTRUCTION & MAINTENANCE OF SLOPES	
EASEMENT FOR CONSTRUCTION OF SLOPES	
EASEMENT FOR CONSTRUCTION OF DRIVES	

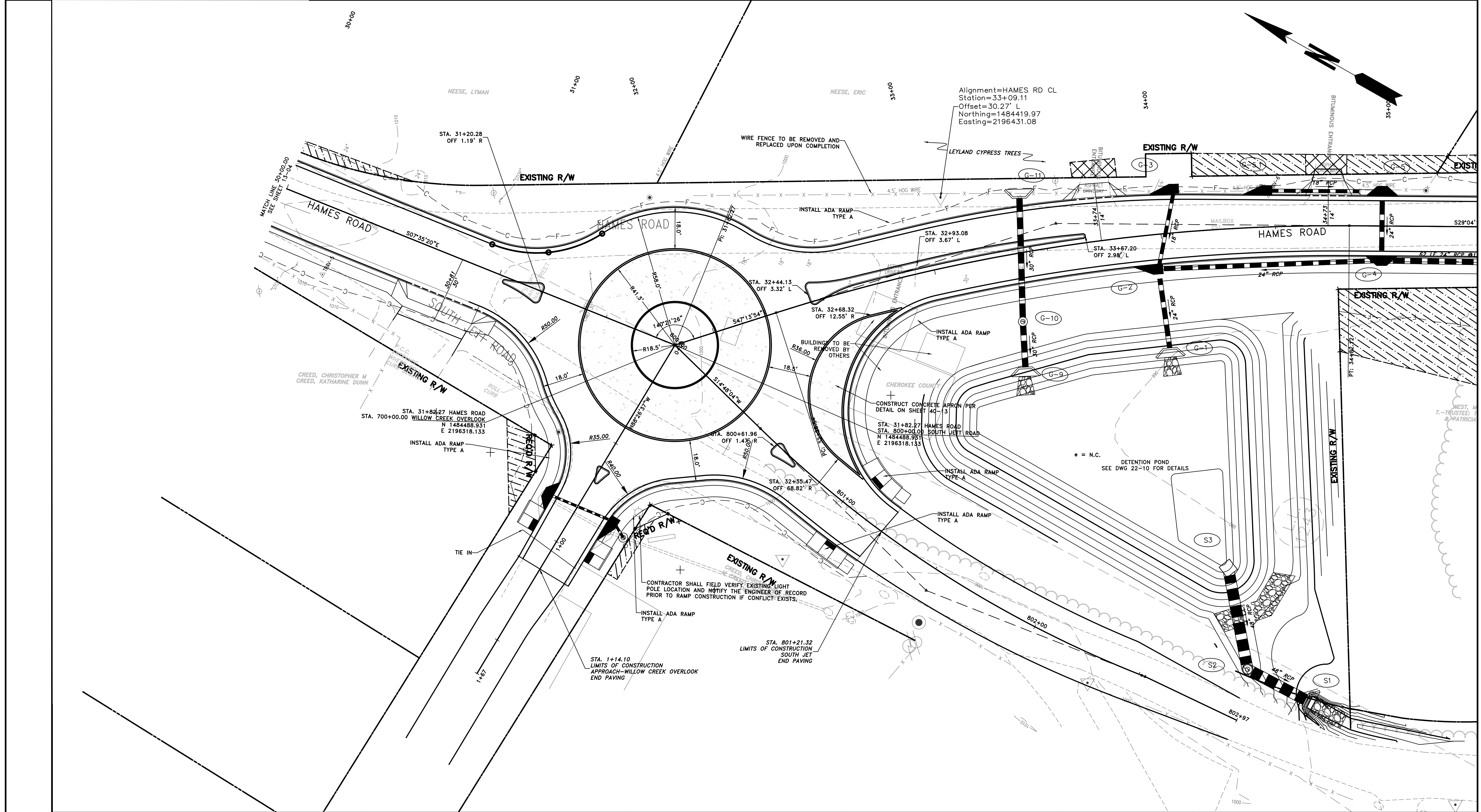
BEGIN LIMIT OF ACCESS.....BLA	
END LIMIT OF ACCESS.....ELA	
LIMIT OF ACCESS	
REQ'D R/W & LIMIT OF ACCESS	
PROPOSED 5' WIDE CONC. SIDEWALK	



REVISION DATES	

CHEROKEE COUNTY
 DEPARTMENT OF TRANSPORTATION
 OFFICE:
 MAINLINE PLAN AND PROFILE
 STA. 66+00 TO STA. 68+48.35
 HAMES ROAD
 DRAWING No.
 13-11

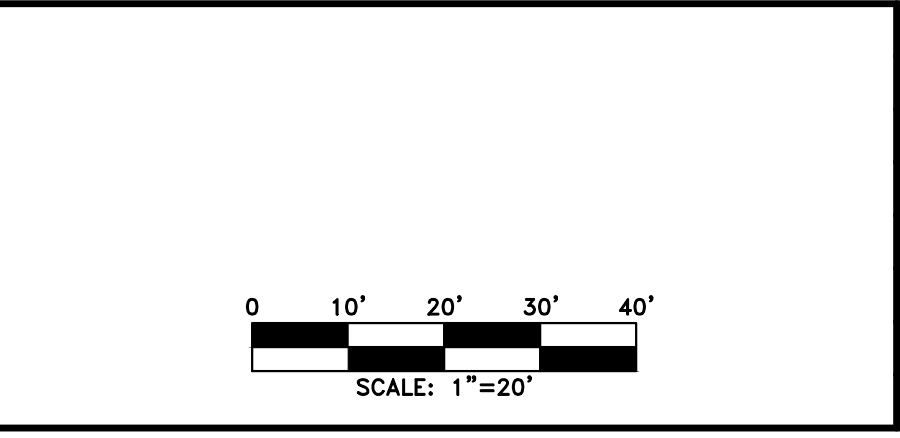
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PROPERTY AND EXISTING R/W LINE	
REQUIRED R/W LINE	
CONSTRUCTION LIMITS	
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES	
EASEMENT FOR CONSTR OF SLOPES	
EASEMENT FOR CONSTR OF DRIVES	

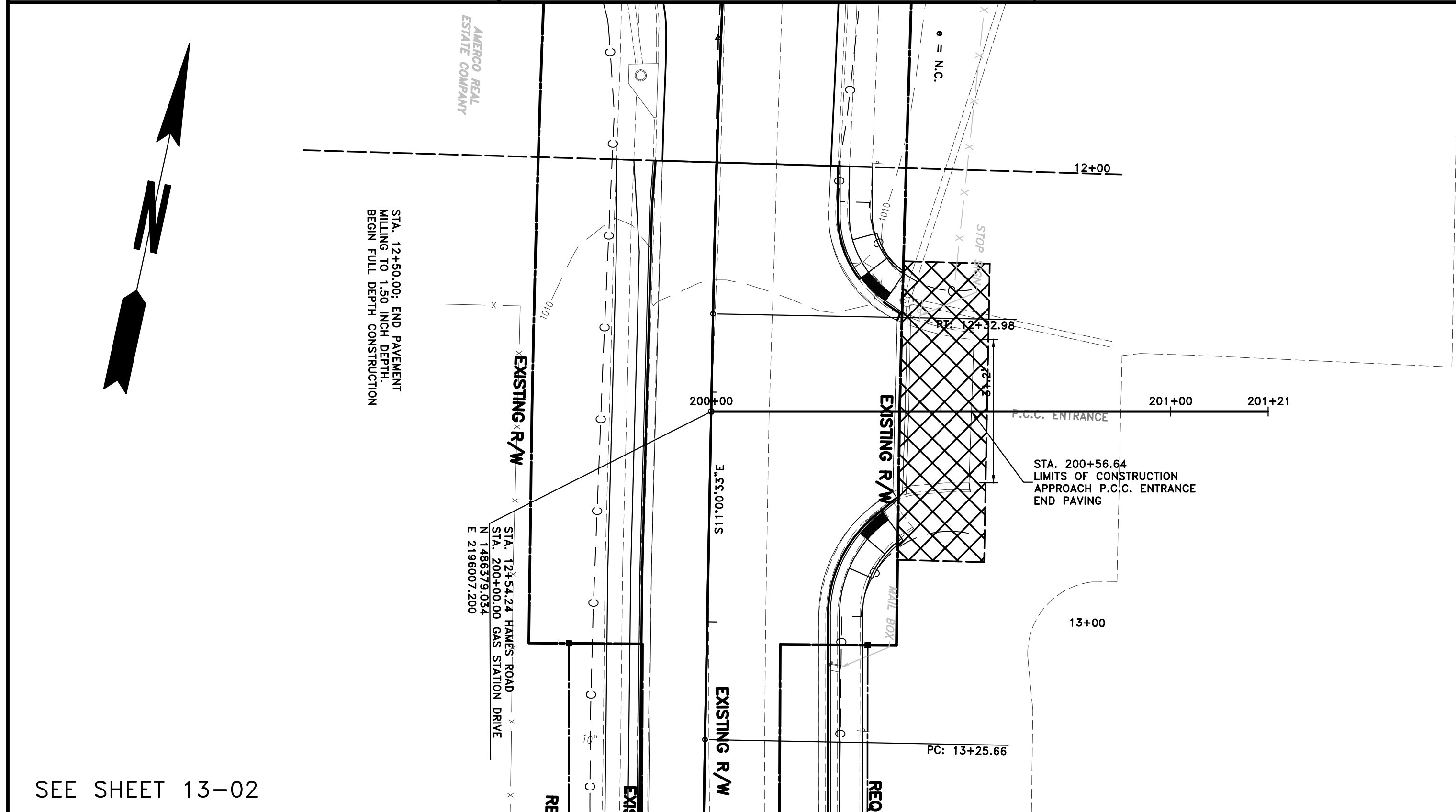
BEGIN LIMIT OF ACCESS.....BLA	
END LIMIT OF ACCESS.....ELA	
LIMIT OF ACCESS	
REQ'D R/W & LIMIT OF ACCESS	
PROPOSED 5' WIDE CONC. SIDEWALK	

ATWELL
 866.850.4200 www.atwell-group.com
 1800 PARKWAY PLACE, SUITE 700
 MARIETTA, GA 770.423.0807

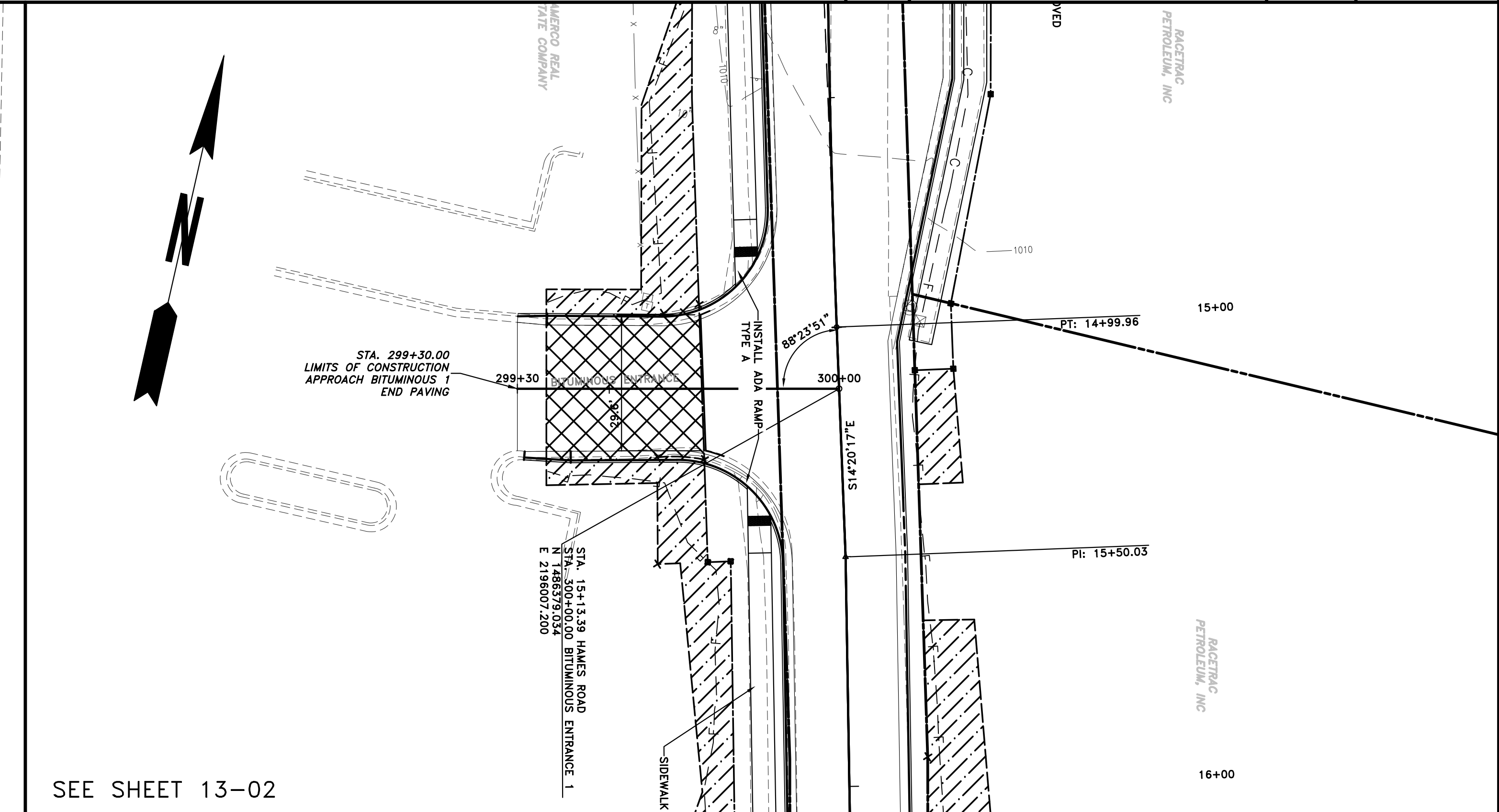


REVISION	DATE	DESCRIPTION

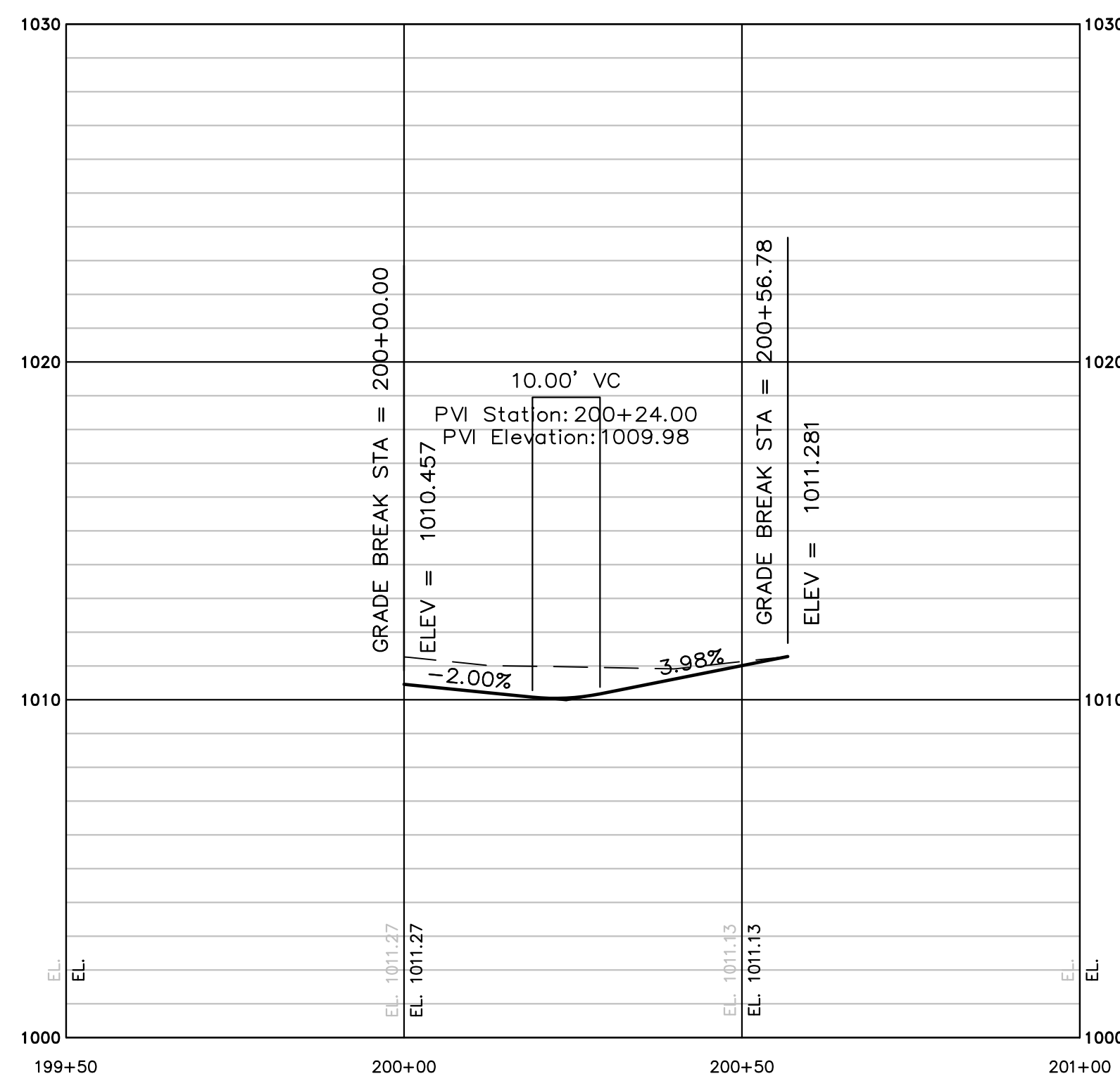
CHEROKEE COUNTY
 DEPARTMENT OF TRANSPORTATION
 OFFICE: ROUNDABOUT DETAIL
 STA. 28+00 TO STA. 34+00
 HAMES ROAD
 DRAWING No. 13-12



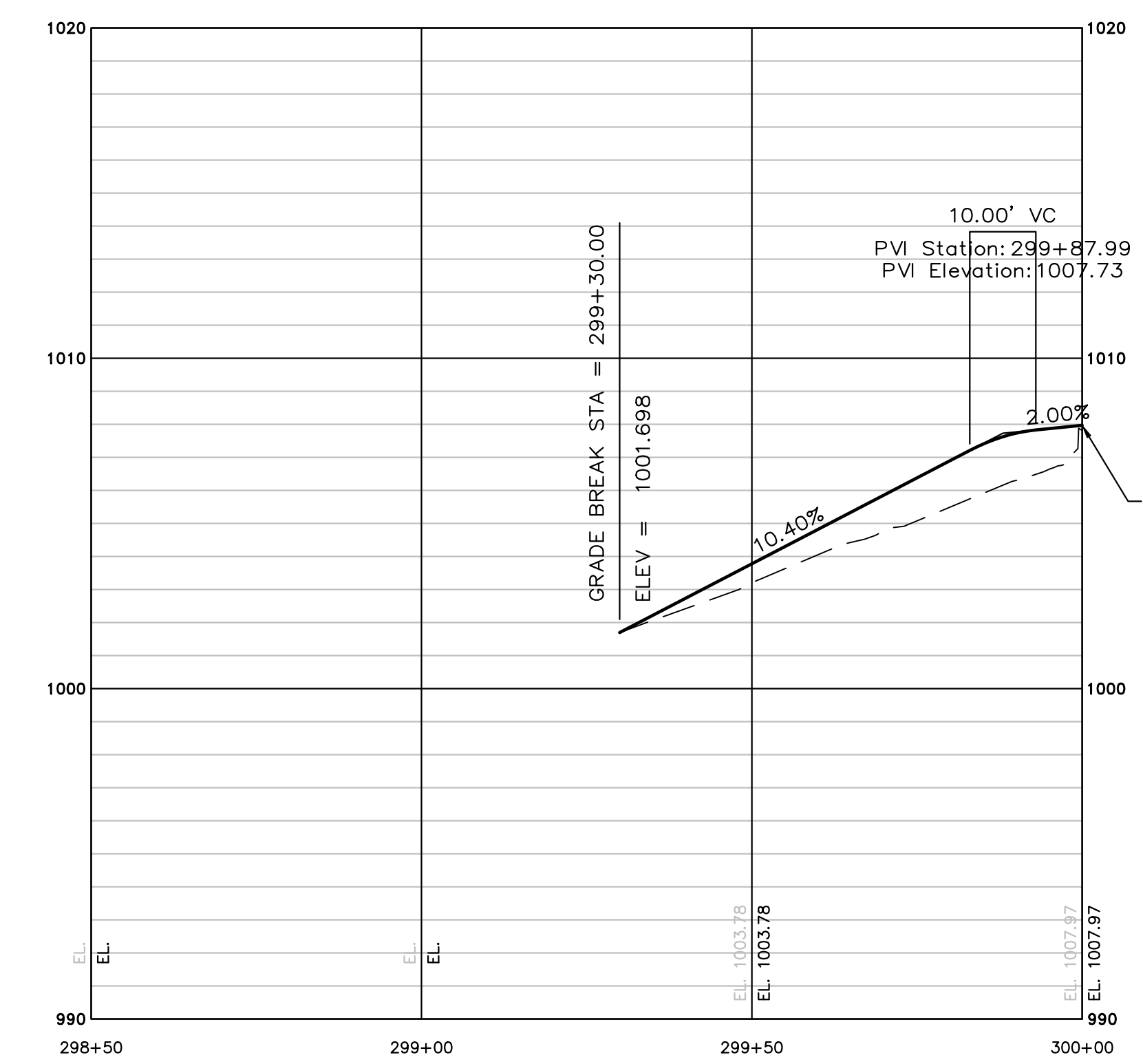
SEE SHEET 13-02



SEE SHEET 13-02



APPROACH-GAS STATION



APPROACH BITUMINOUS 1

PROPERTY AND EXISTING R/W LINE	
REQUIRED R/W LINE	
CONSTRUCTION LIMITS	
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES	
EASEMENT FOR CONSTR OF SLOPES	
EASEMENT FOR CONSTR OF DRIVES	

BEGIN LIMIT OF ACCESS.....BLA
 END LIMIT OF ACCESS.....ELA
 LIMIT OF ACCESS
 REQ'D R/W & LIMIT OF ACCESS
 PROPOSED 5' WIDE CONC. SIDEWALK

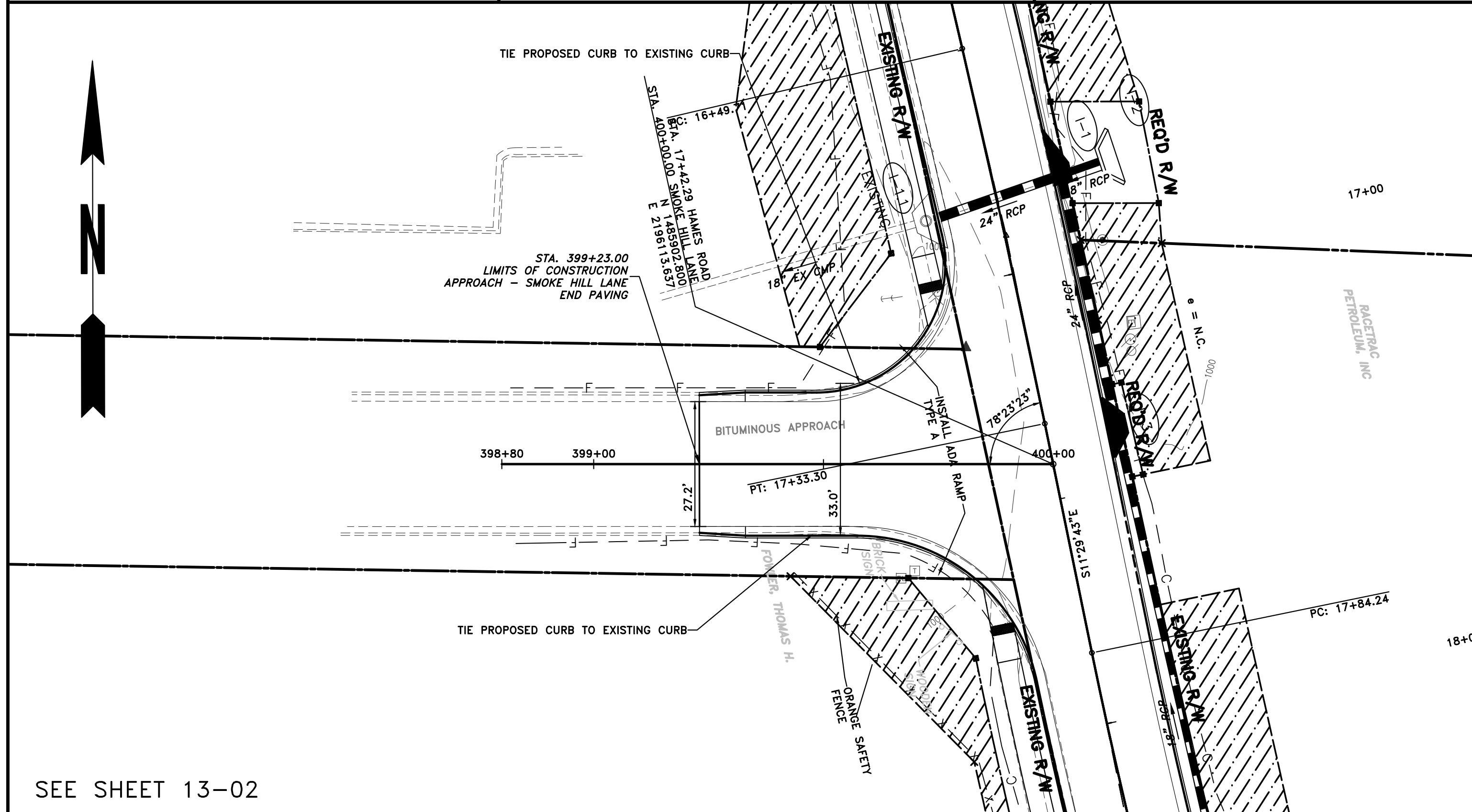
ATWELL
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 MARIETTA, GA
 770.423.0807



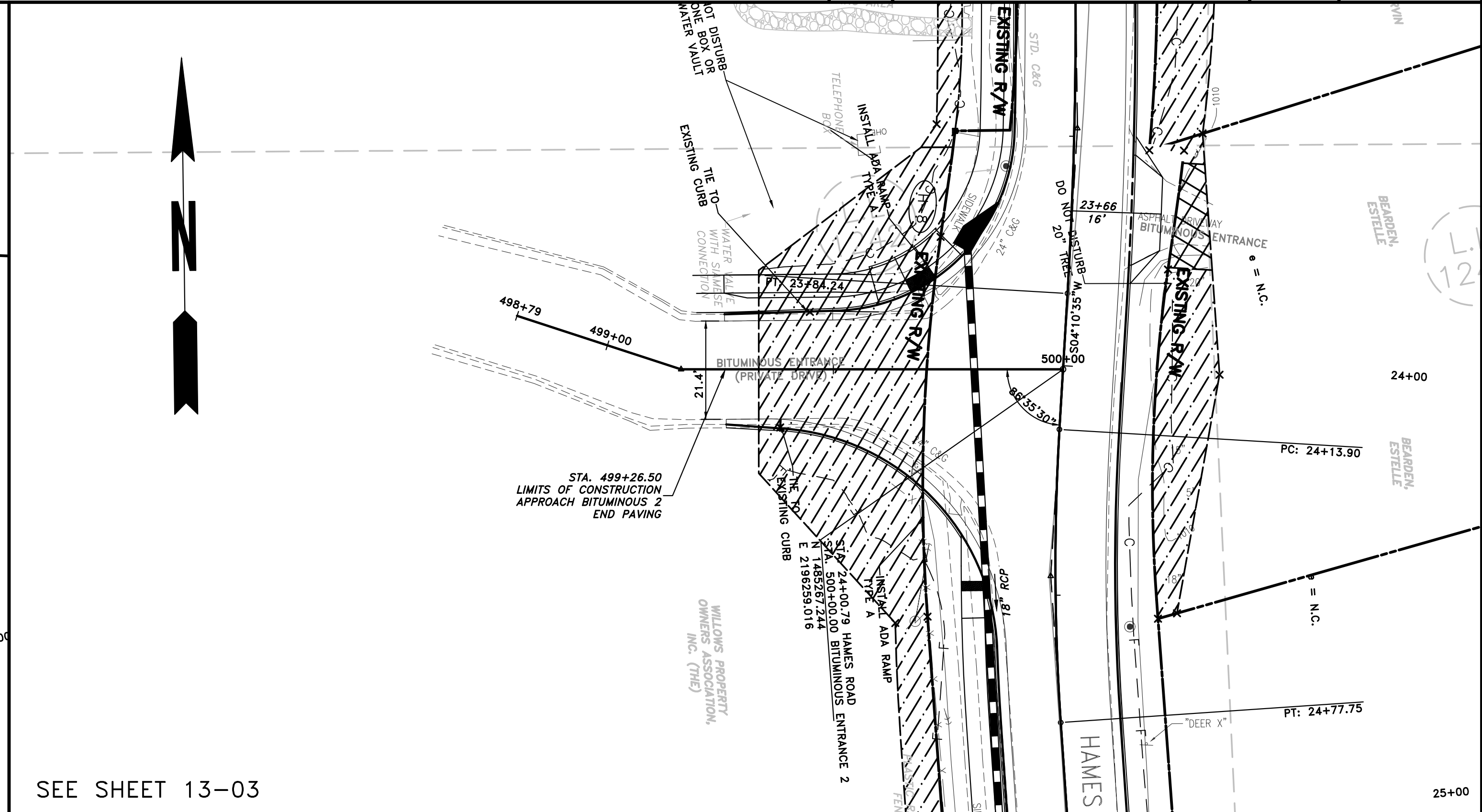
REVISION	DATE	DESCRIPTION

CHEROKEE COUNTY
 DEPARTMENT OF TRANSPORTATION
 OFFICE:
 CROSSROAD PLAN AND PROFILE
 HAMES ROAD
 DRAWING No.
 14-01

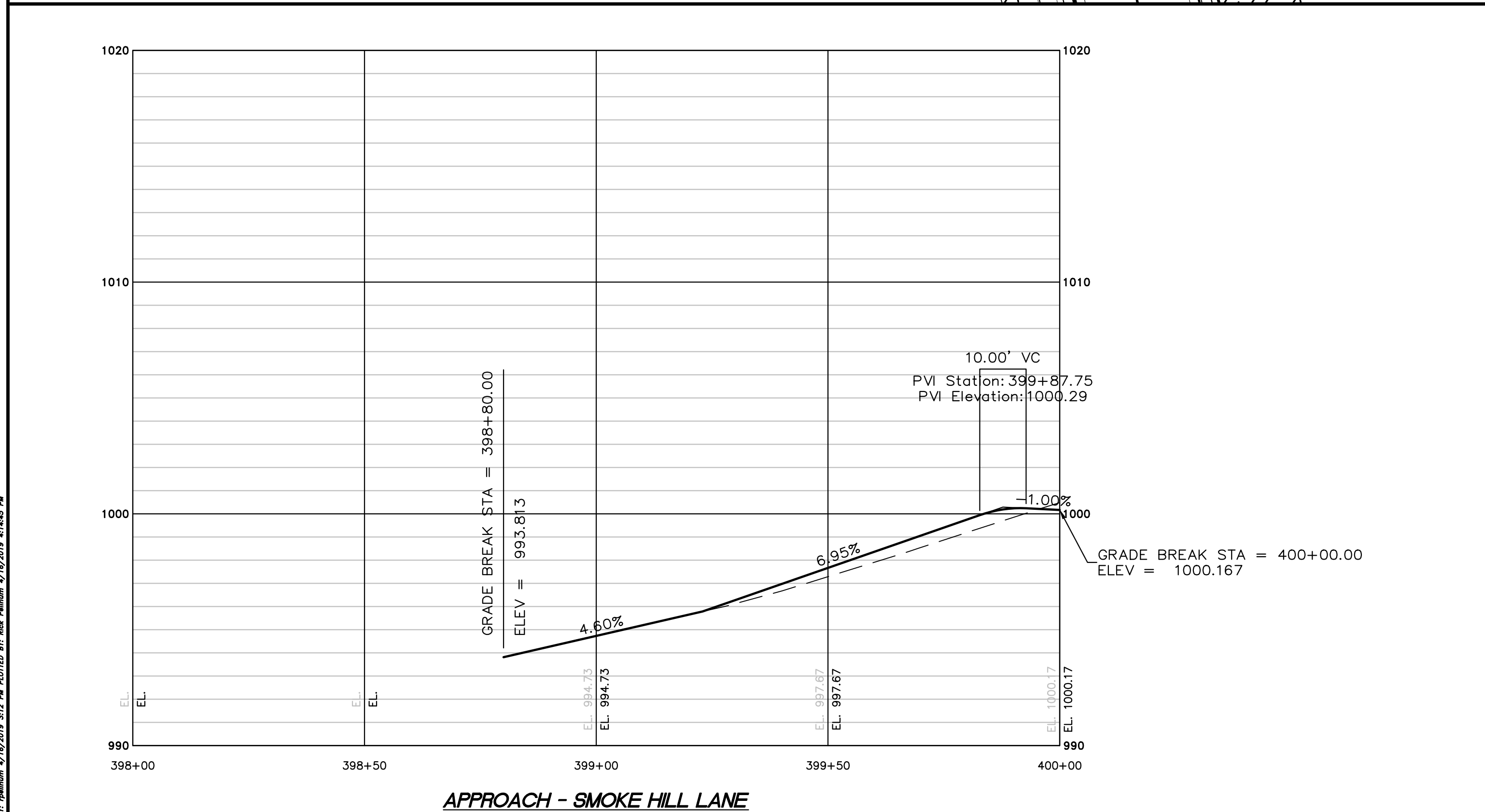
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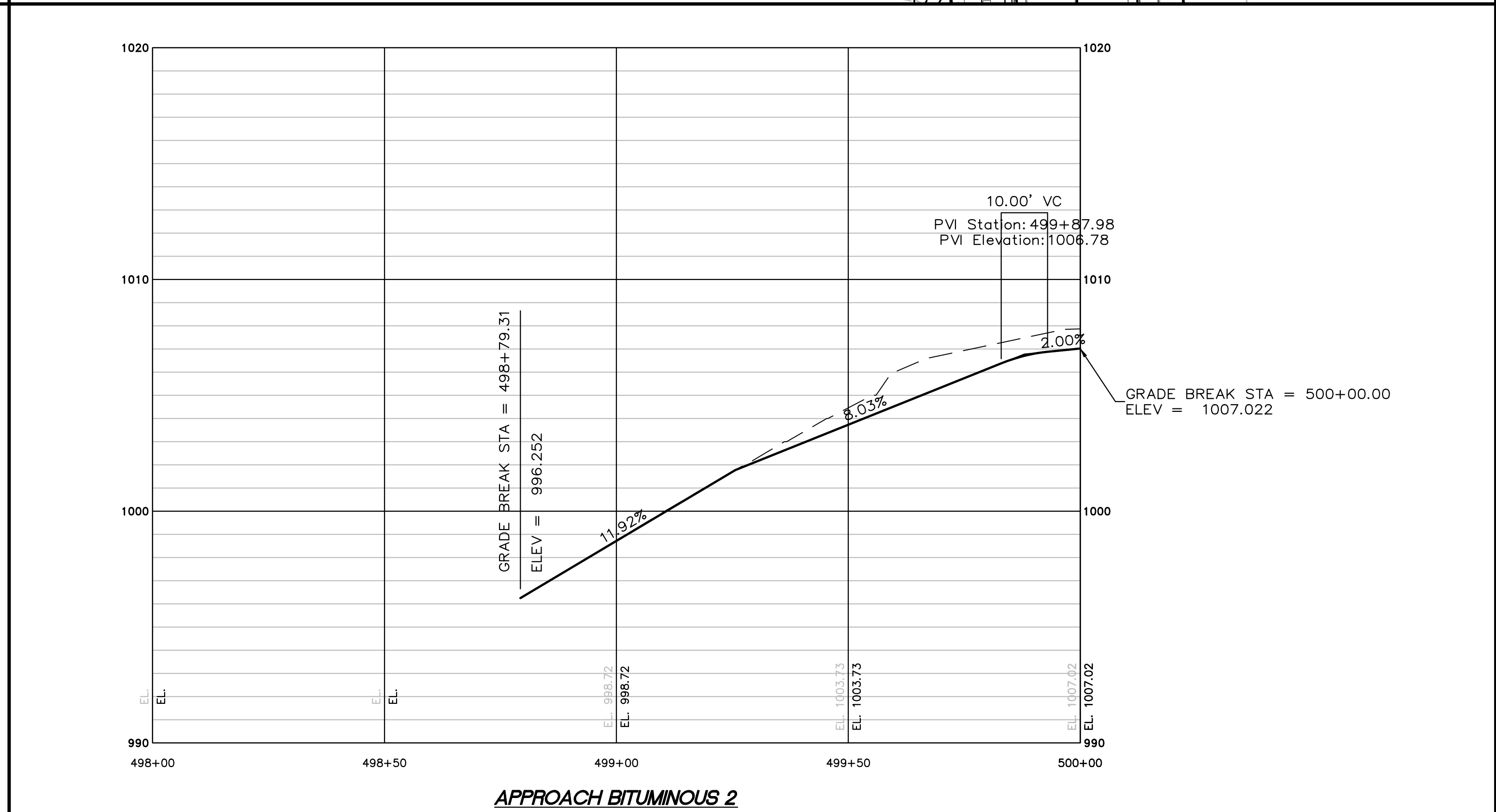
SEE SHEET 13-02



SEE SHEET 13-03



APPROACH - SMOKE HILL LANE



APPROACH BITUMINOUS 2

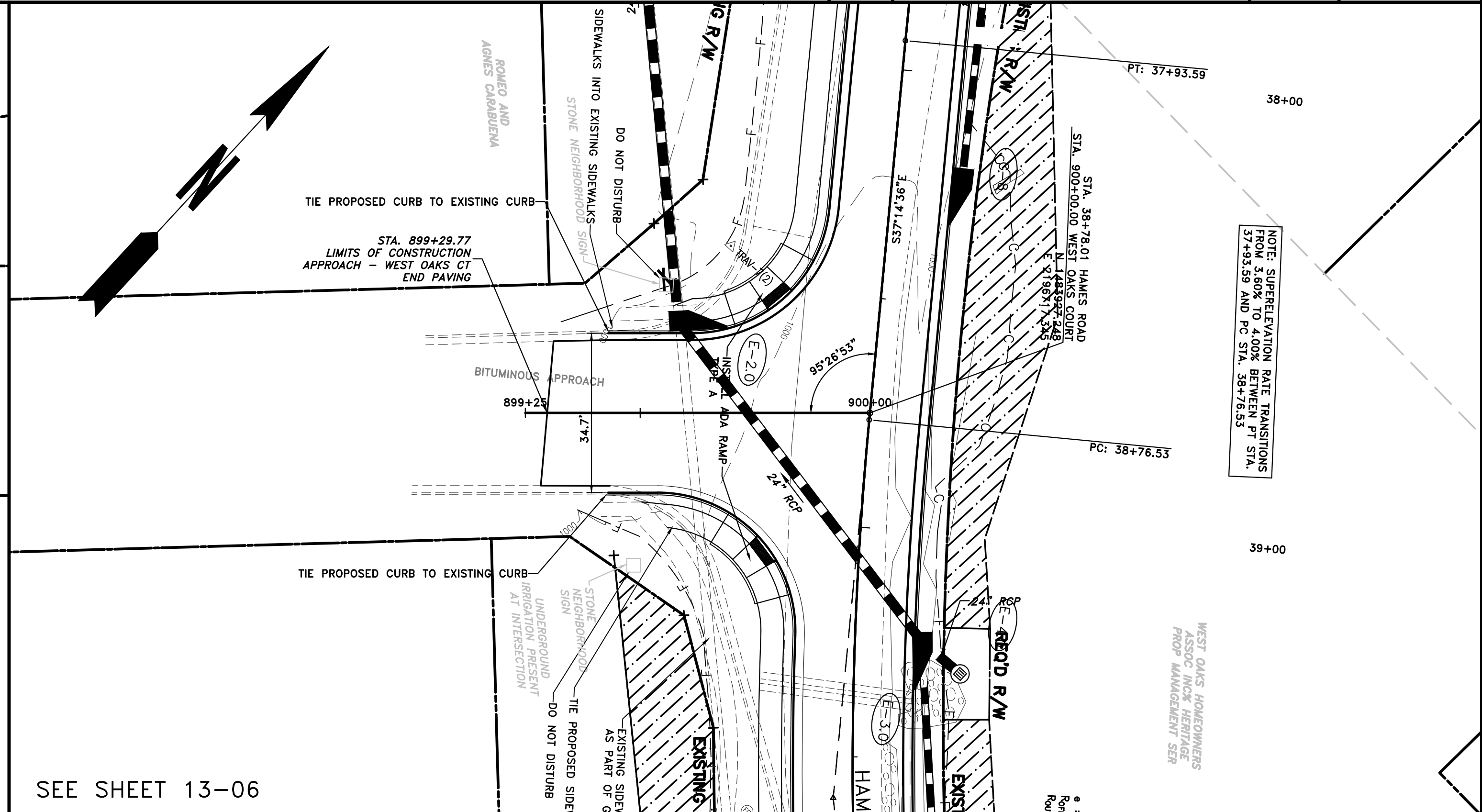
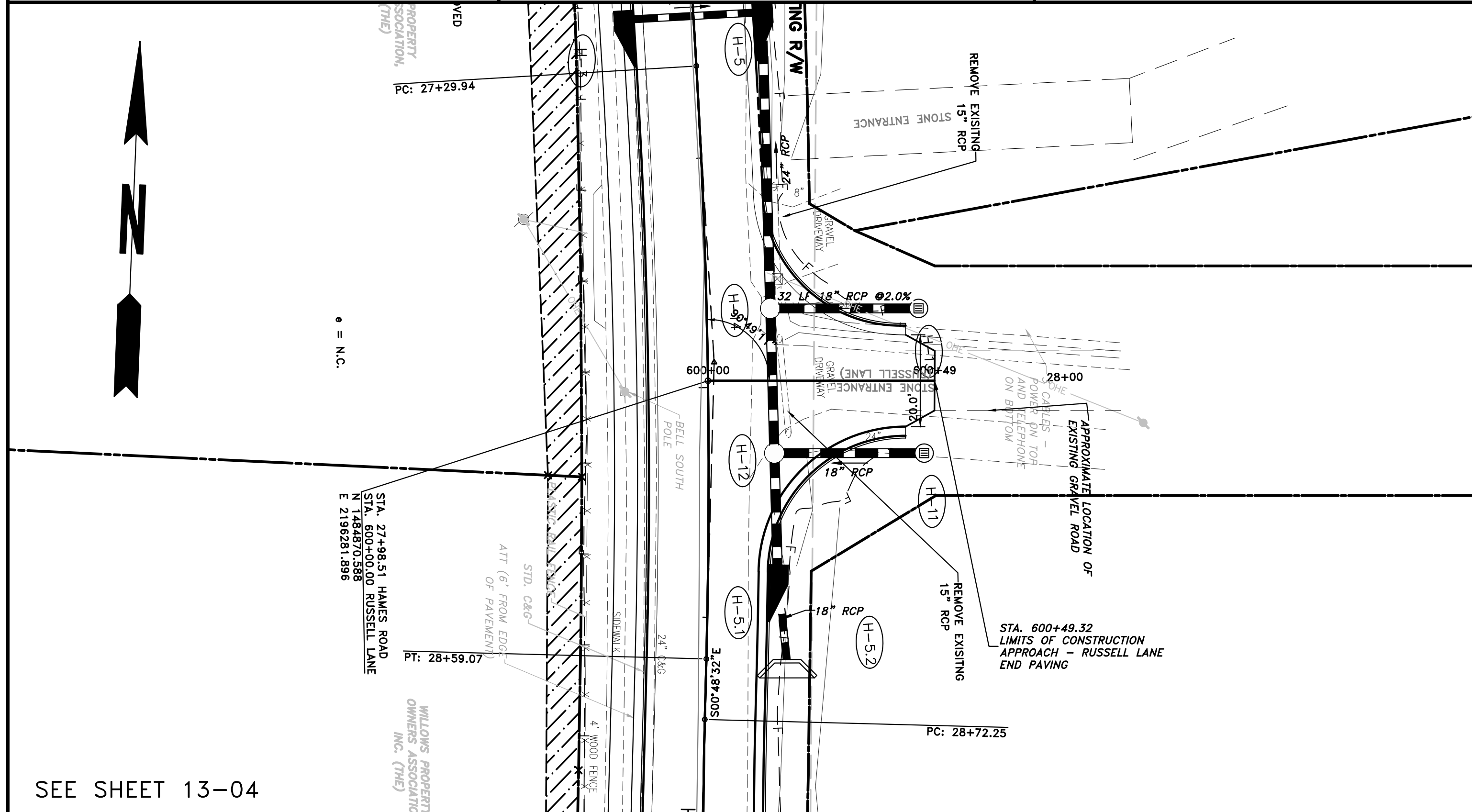
PROPERTY AND EXISTING R/W LINE	— P —
REQUIRED R/W LINE	— F —
CONSTRUCTION LIMITS	— C —
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES	▨
EASEMENT FOR CONSTR OF SLOPES	▧
EASEMENT FOR CONSTR OF DRIVES	▩

BEGIN LIMIT OF ACCESS.....BLA
 END LIMIT OF ACCESS.....ELA
 LIMIT OF ACCESS
 REQ'D R/W & LIMIT OF ACCESS

PROPOSED 5' WIDE CONC. SIDEWALK

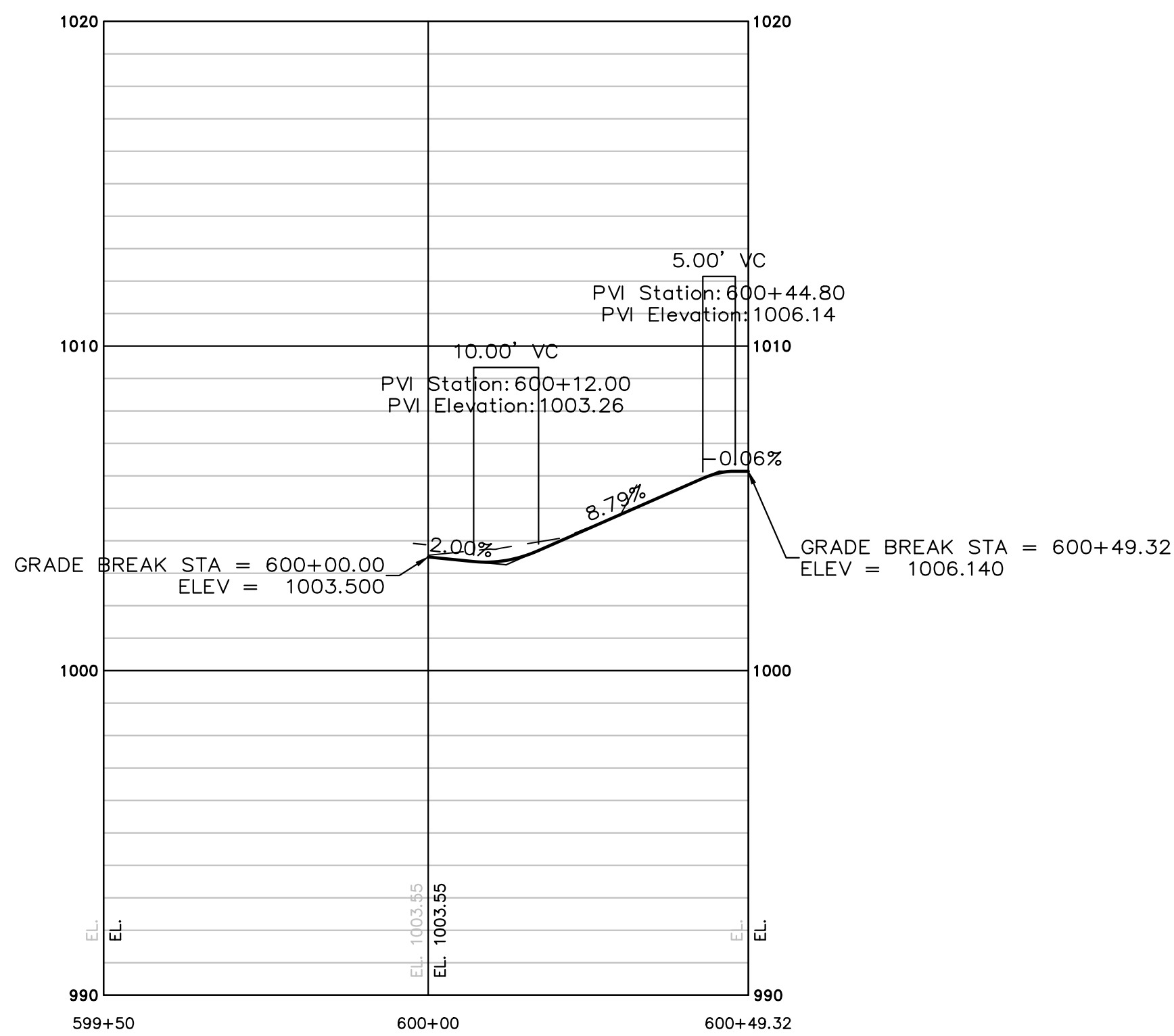


REVISION DATES		CHEROKEE COUNTY DEPARTMENT OF TRANSPORTATION	
		OFFICE: CROSSROAD PLAN AND PROFILE	
		HAMES ROAD	
		DRAWING No. 14-02	

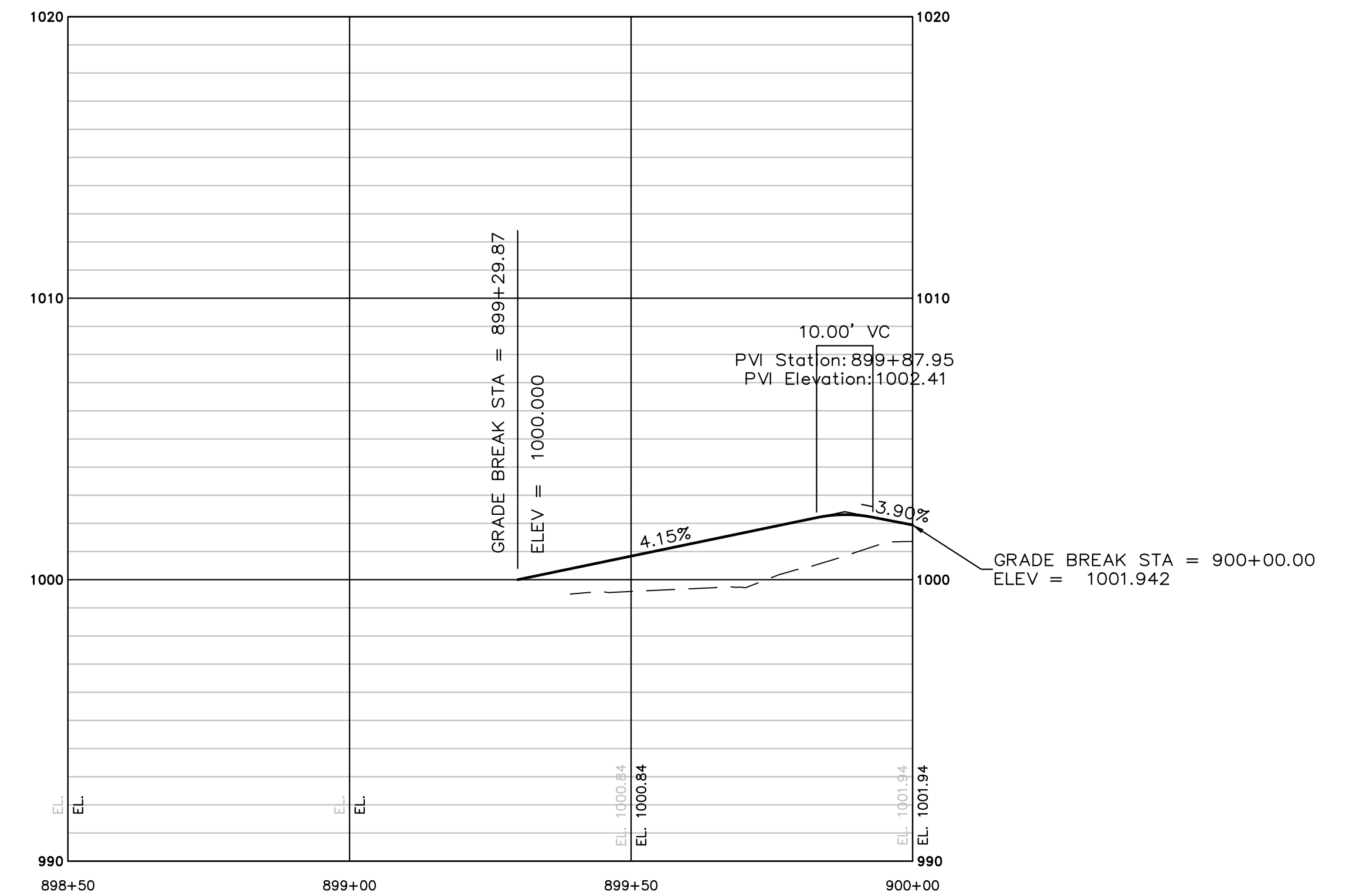


SEE SHEET 13-04

SEE SHEET 13-06



APPROACH - RUSSELL LANE

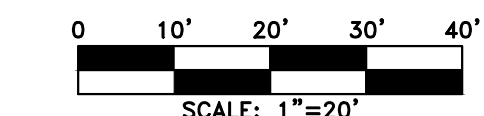


APPROACH - WEST OAKS CT

PROPERTY AND EXISTING R/W LINE	— P —
REQUIRED R/W LINE	— F —
CONSTRUCTION LIMITS	— G —
EASEMENT FOR CONSTR	▨
& MAINTENANCE OF SLOPES	▧
EASEMENT FOR CONSTR OF SLOPES	▩
EASEMENT FOR CONSTR OF DRIVES	▫

BEGIN LIMIT OF ACCESS.....BLA
 END LIMIT OF ACCESS.....ELA
 LIMIT OF ACCESS
 REQ'D R/W & LIMIT OF ACCESS
 PROPOSED 5' WIDE CONC. SIDEWALK

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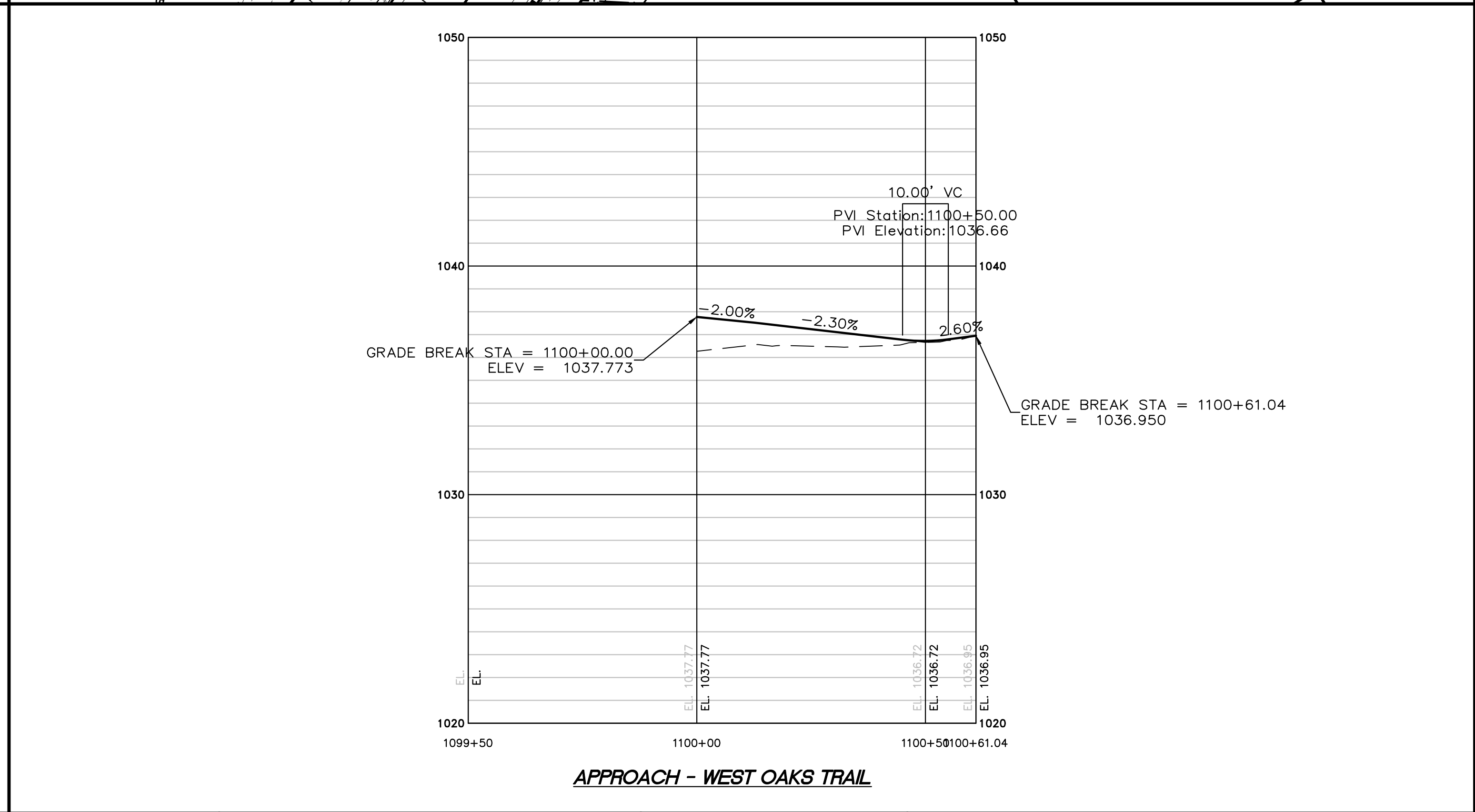
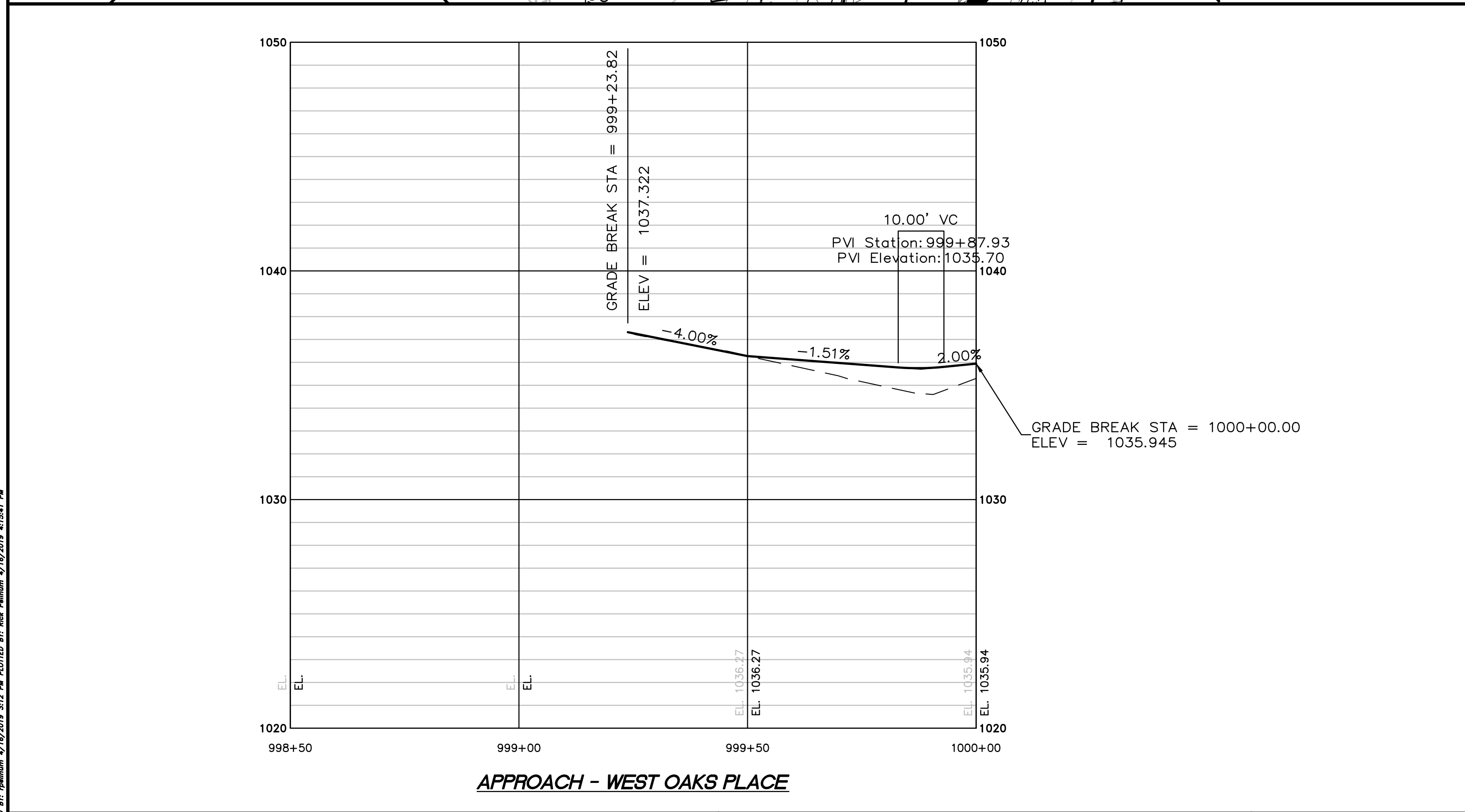
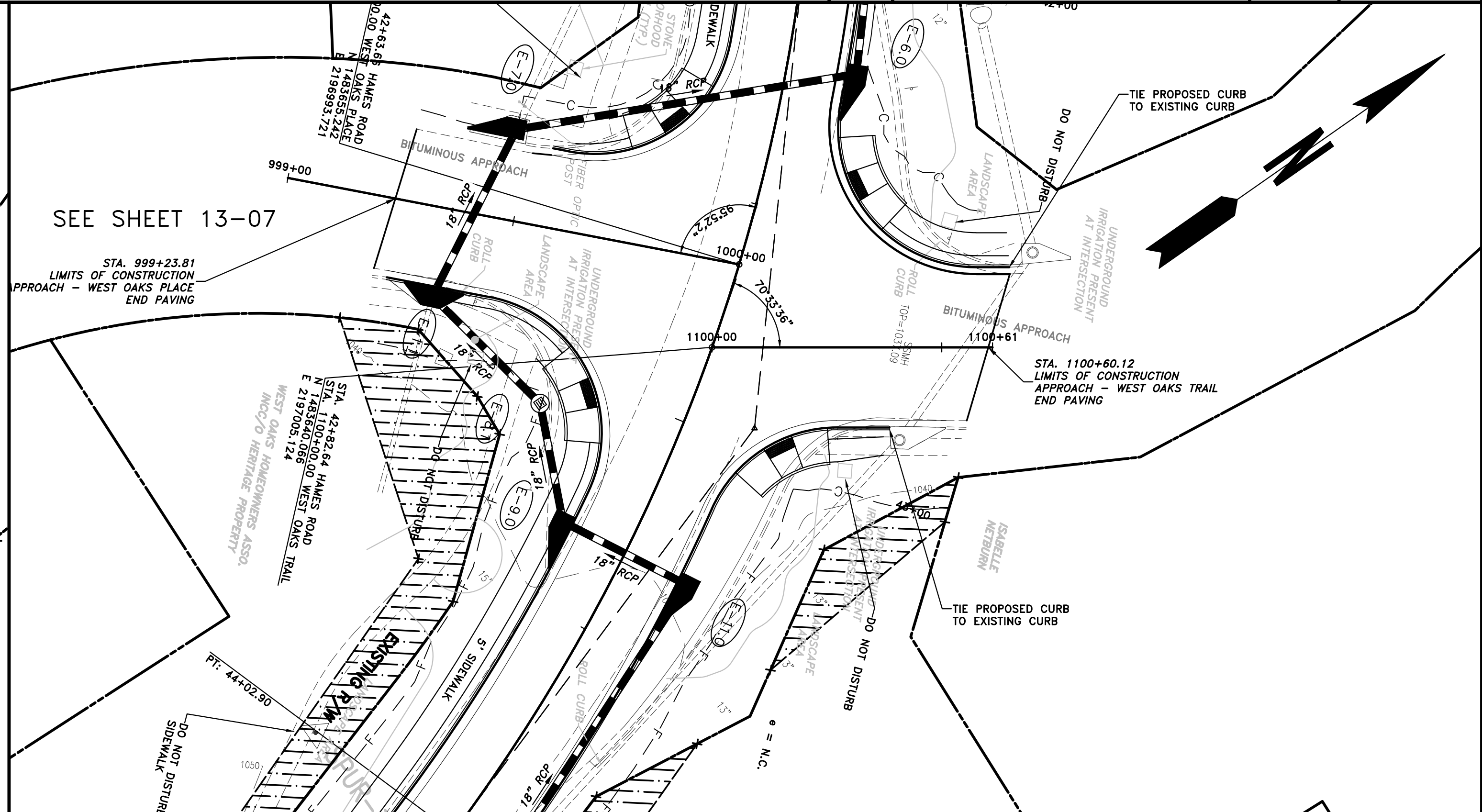
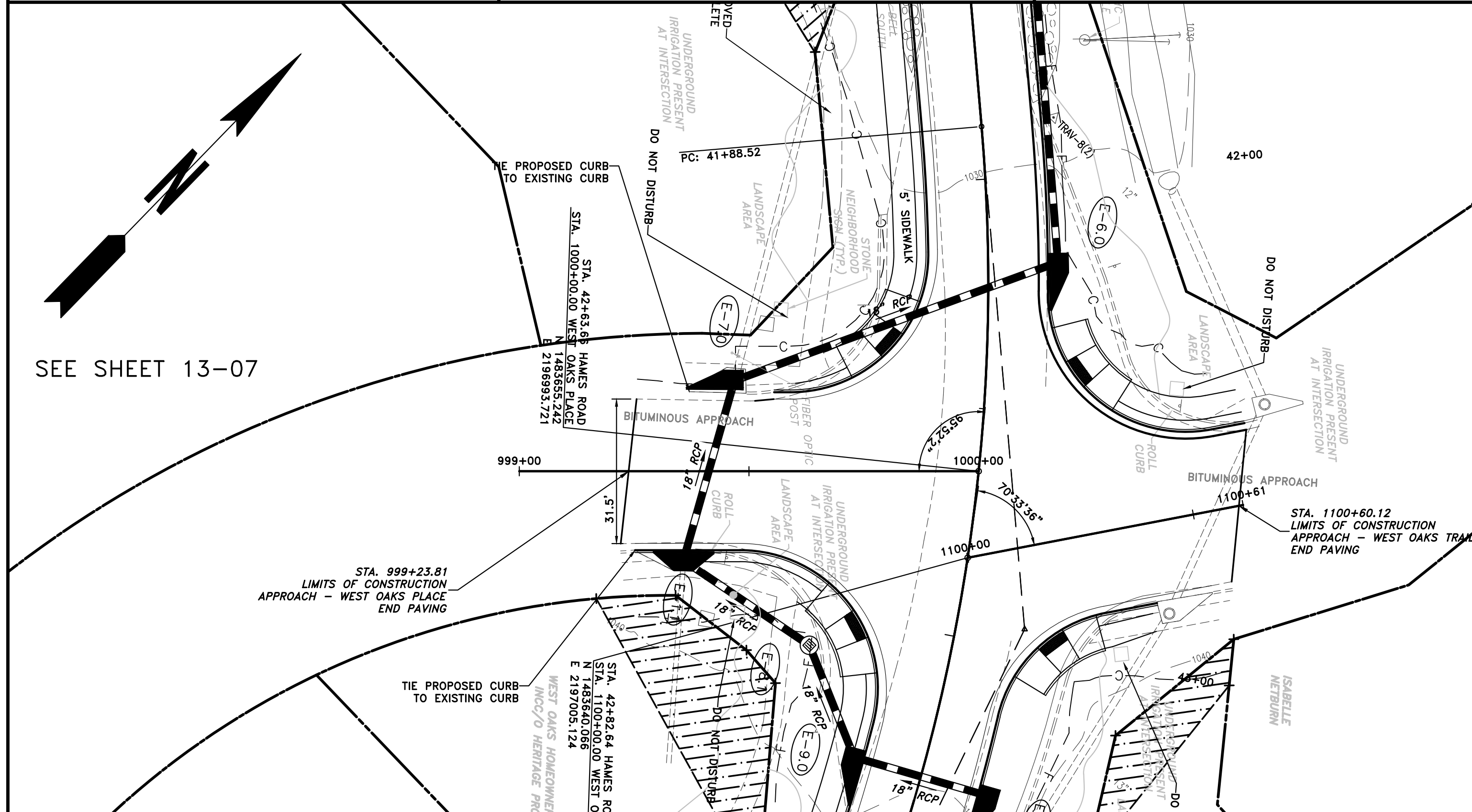
REVISION DATES	

CHEROKEE COUNTY
 DEPARTMENT OF TRANSPORTATION
 OFFICE:
 CROSSROAD PLAN AND PROFILE

HAMES ROAD

DRAWING No.
 14-03

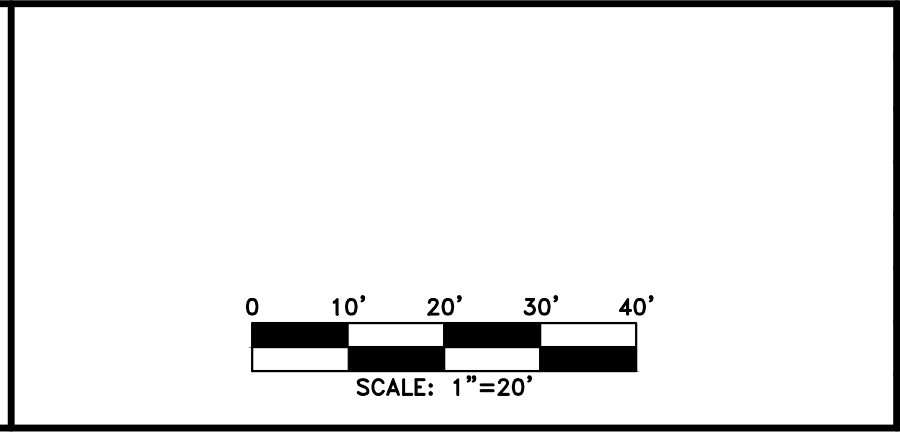
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REQUIRED R/W LINE	— G —
CONSTRUCTION LIMITS	— F —
EASEMENT FOR CONSTR	▨
& MAINTENANCE OF SLOPES	▩
EASEMENT FOR CONSTR OF SLOPES	▧
EASEMENT FOR CONSTR OF DRIVES	▣

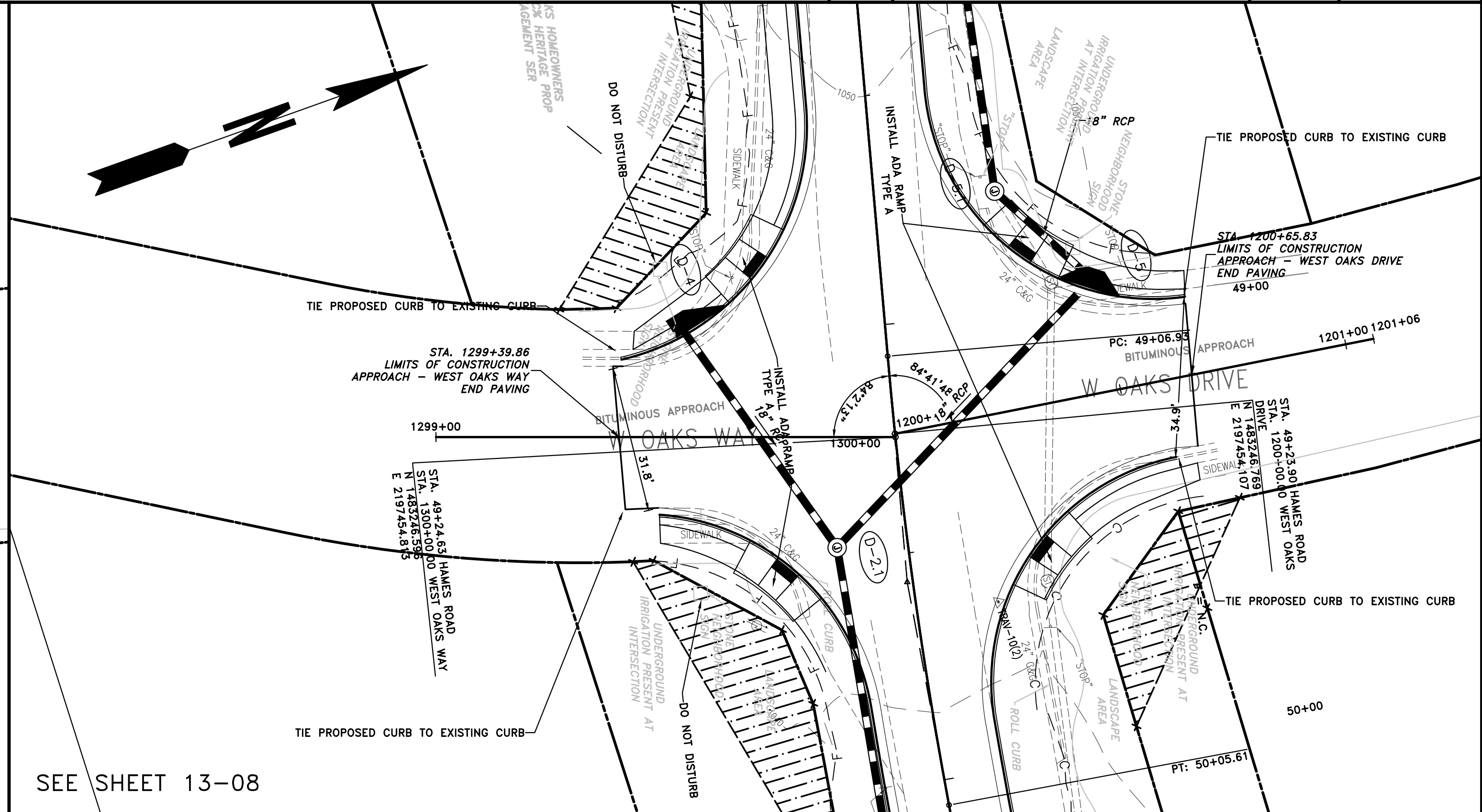
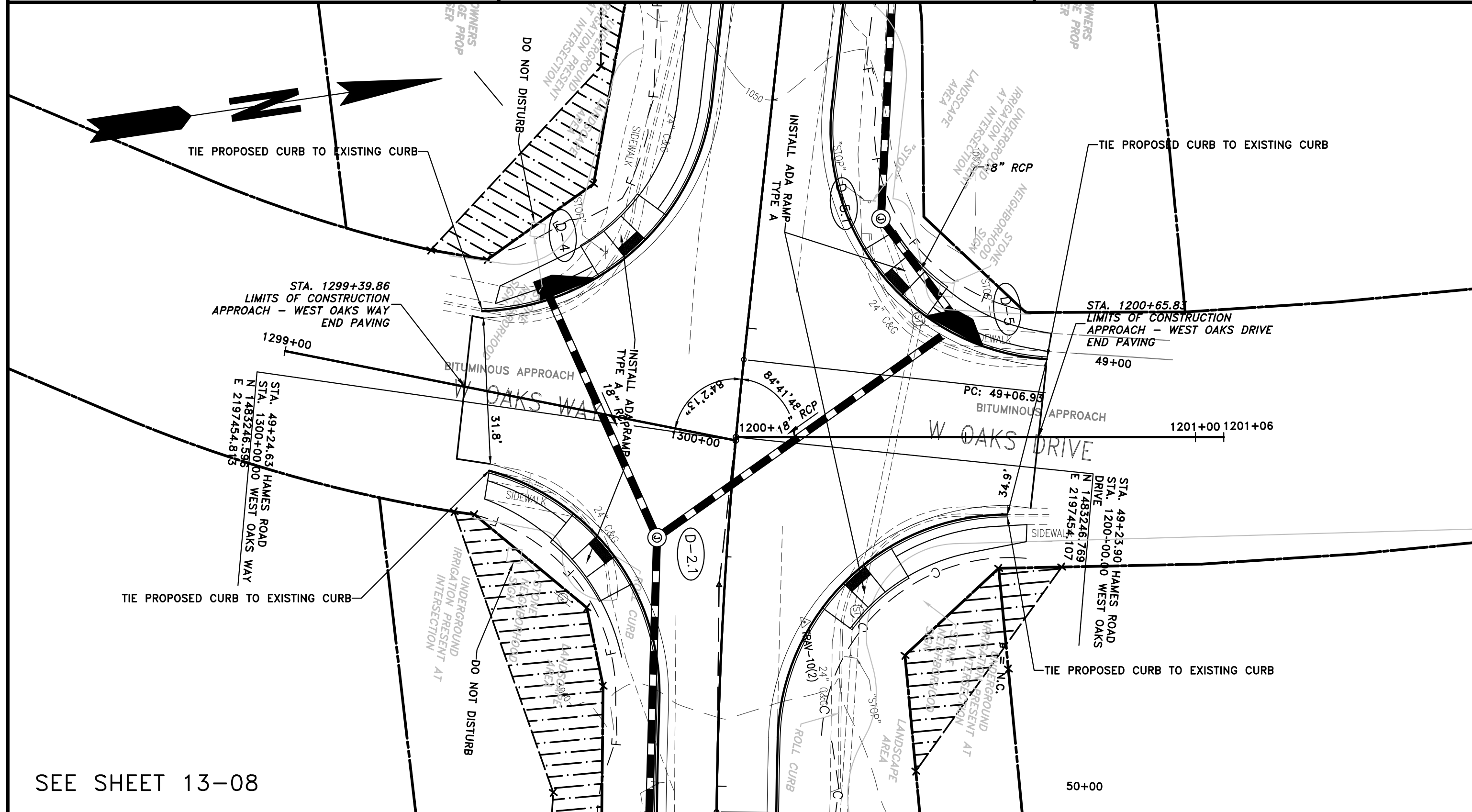
BEGIN LIMIT OF ACCESS.....BLA
 END LIMIT OF ACCESS.....ELA
 LIMIT OF ACCESS —●●●—●●●—
 REQ'D R/W & LIMIT OF ACCESS —||—||—
 PROPOSED 5' WIDE CONC. SIDEWALK

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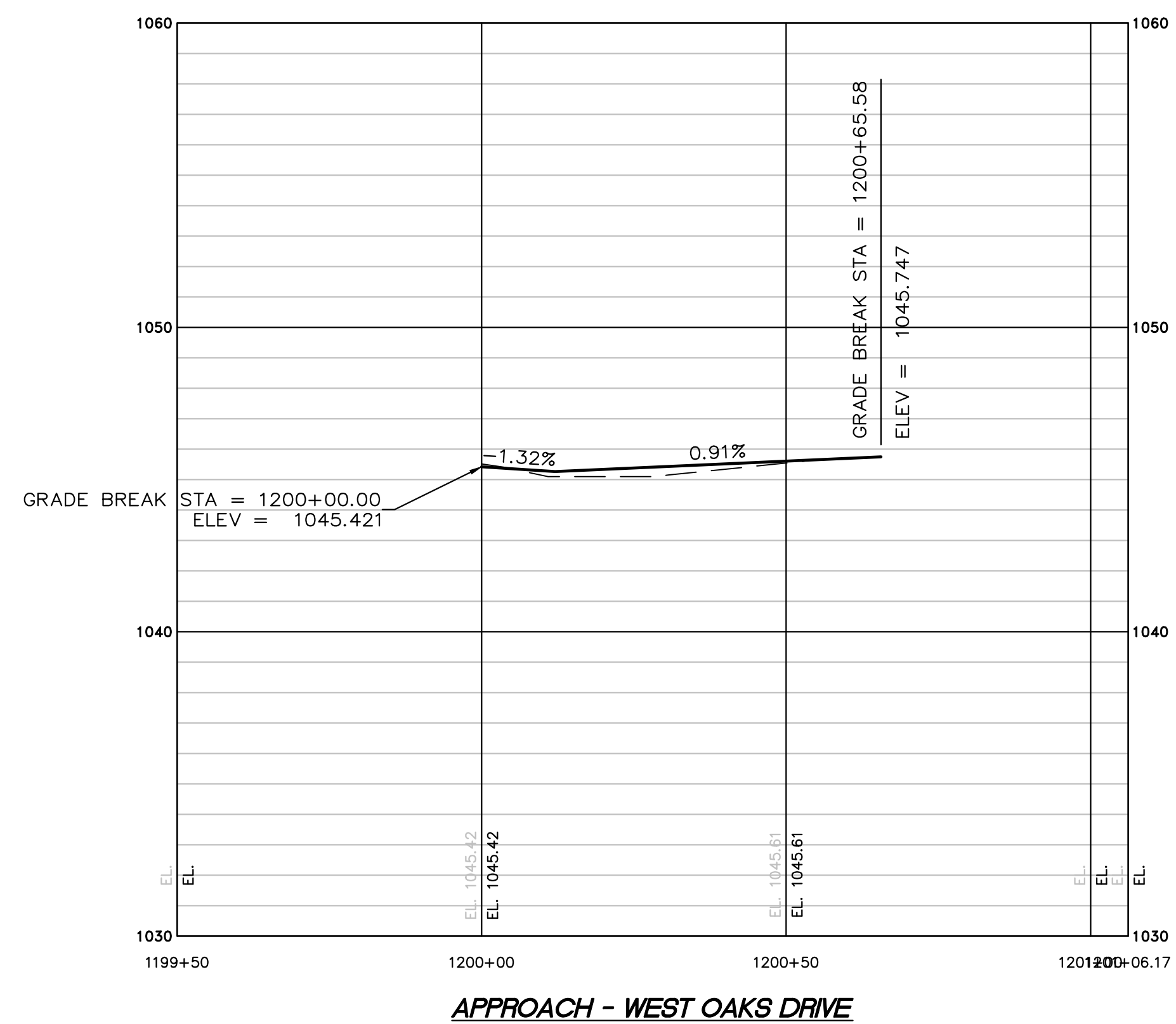
REVISION	DATE	DESCRIPTION

CHEROKEE COUNTY
 DEPARTMENT OF TRANSPORTATION
 OFFICE:
 CROSSROAD PLAN AND PROFILE
 HAMES ROAD
 DRAWING No. 14-04

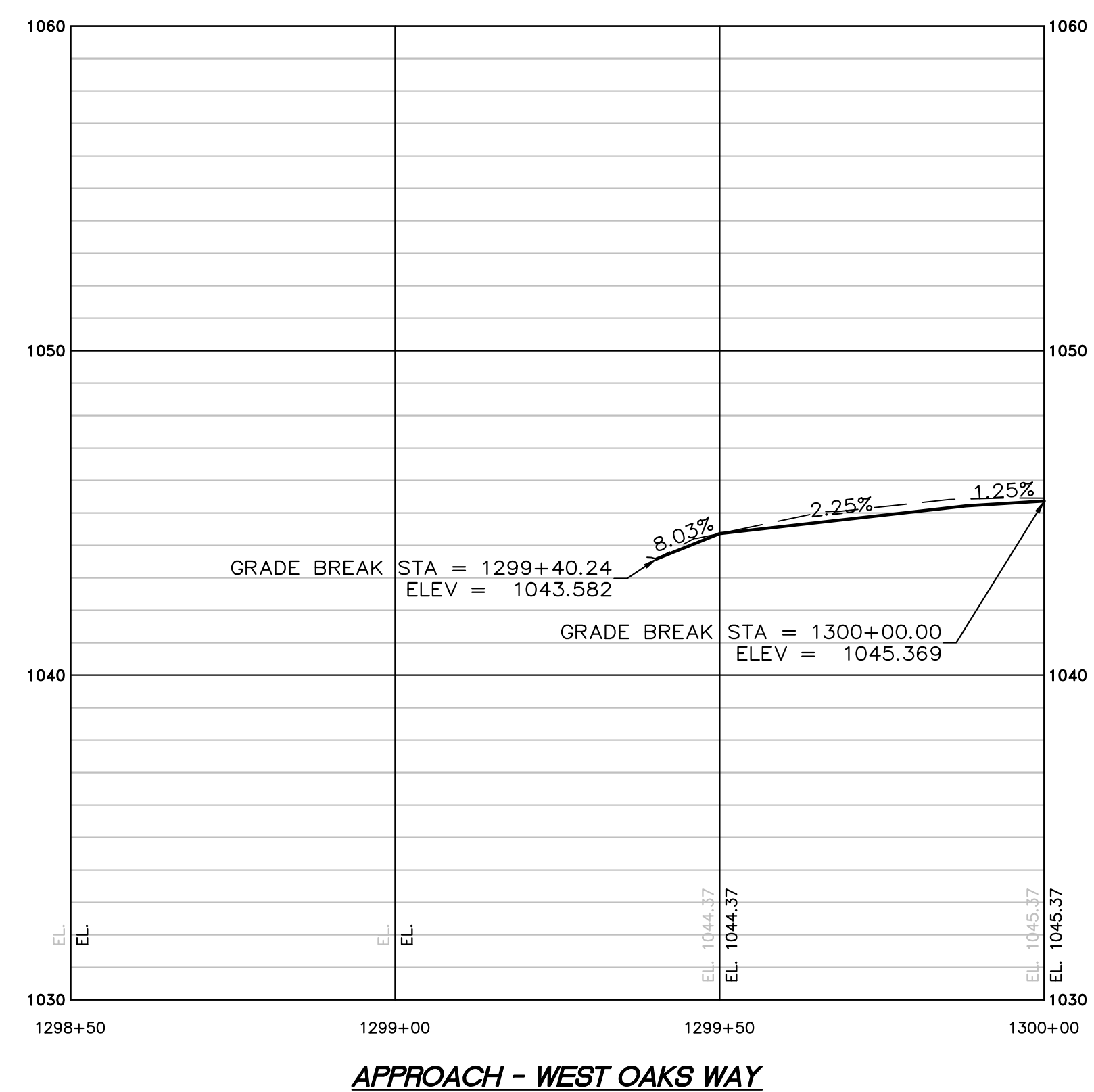


SEE SHEET 13-08

SEE SHEET 13-08



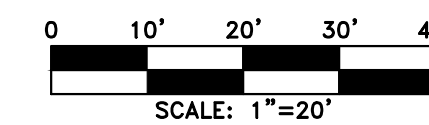
APPROACH - WEST OAKS DRIVE



APPROACH - WEST OAKS WAY

PROPERTY AND EXISTING R/W LINE	
REQUIRED R/W LINE	
CONSTRUCTION LIMITS	
EASEMENT FOR CONSTR	
& MAINTENANCE OF SLOPES	
EASEMENT FOR CONSTR OF SLOPES	
EASEMENT FOR CONSTR OF DRIVES	

BEGIN LIMIT OF ACCESS.....BLA	
END LIMIT OF ACCESS.....ELA	
LIMIT OF ACCESS	
REQ'D R/W & LIMIT OF ACCESS	
PROPOSED 5' WIDE CONC. SIDEWALK	



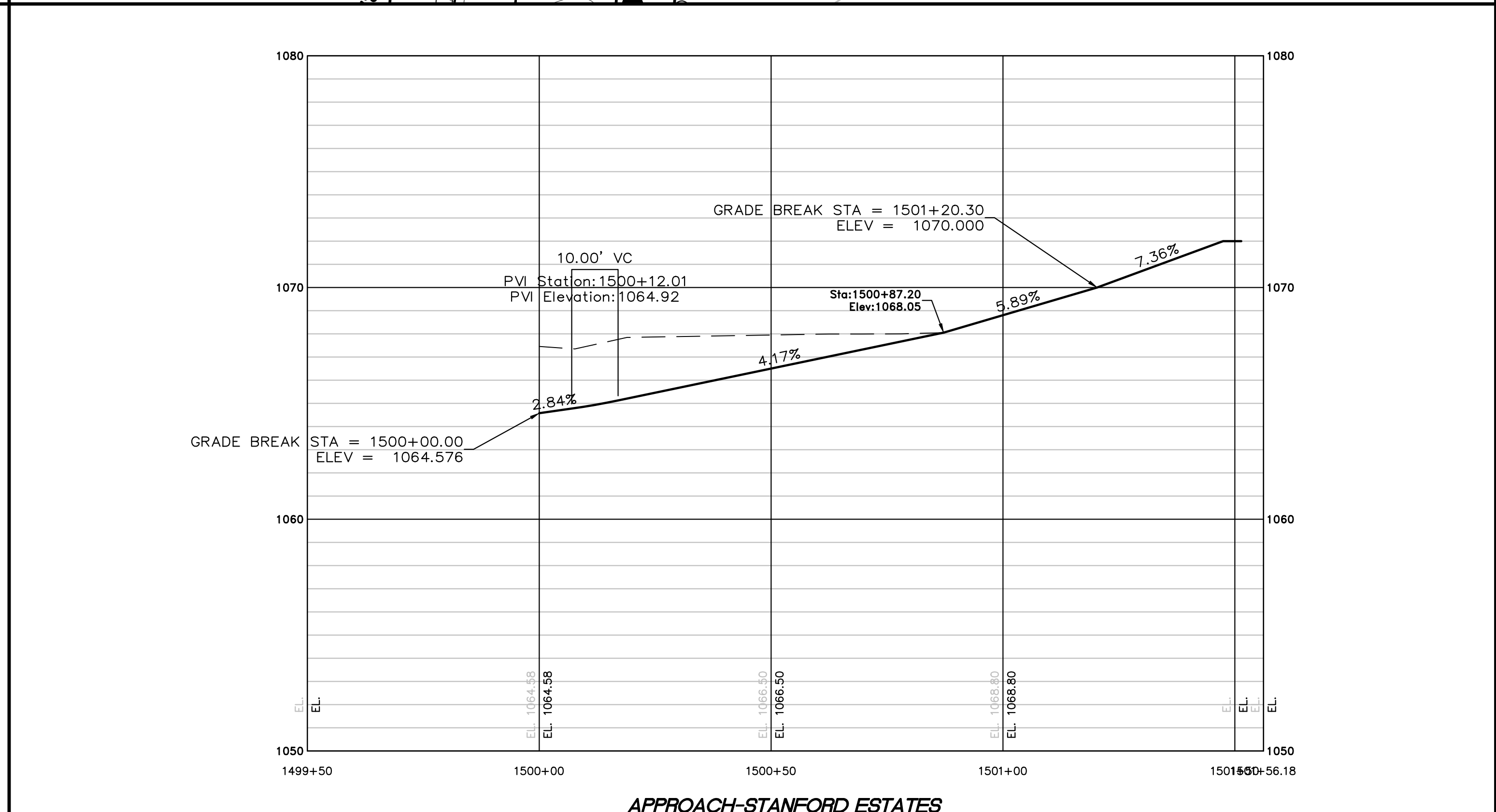
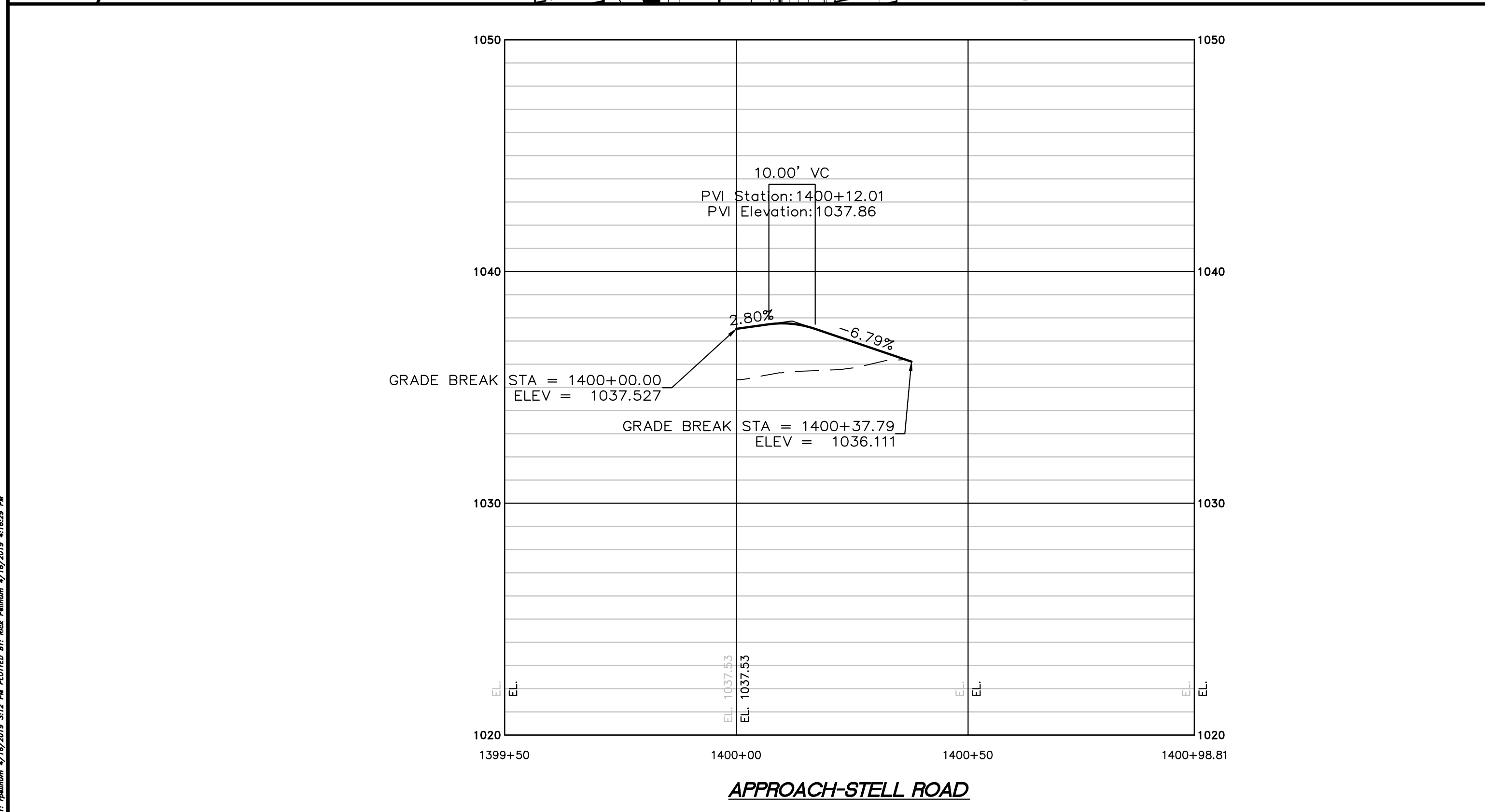
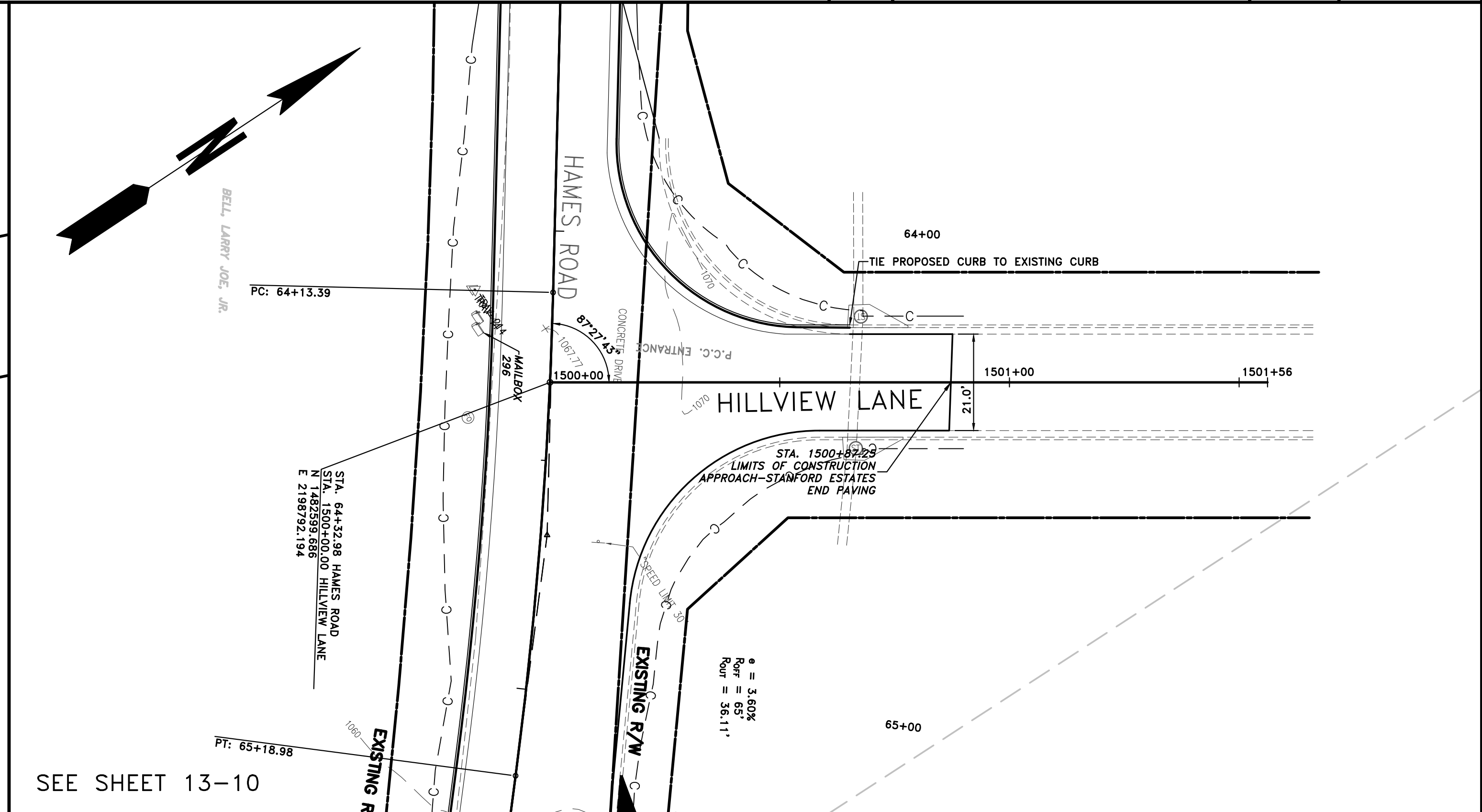
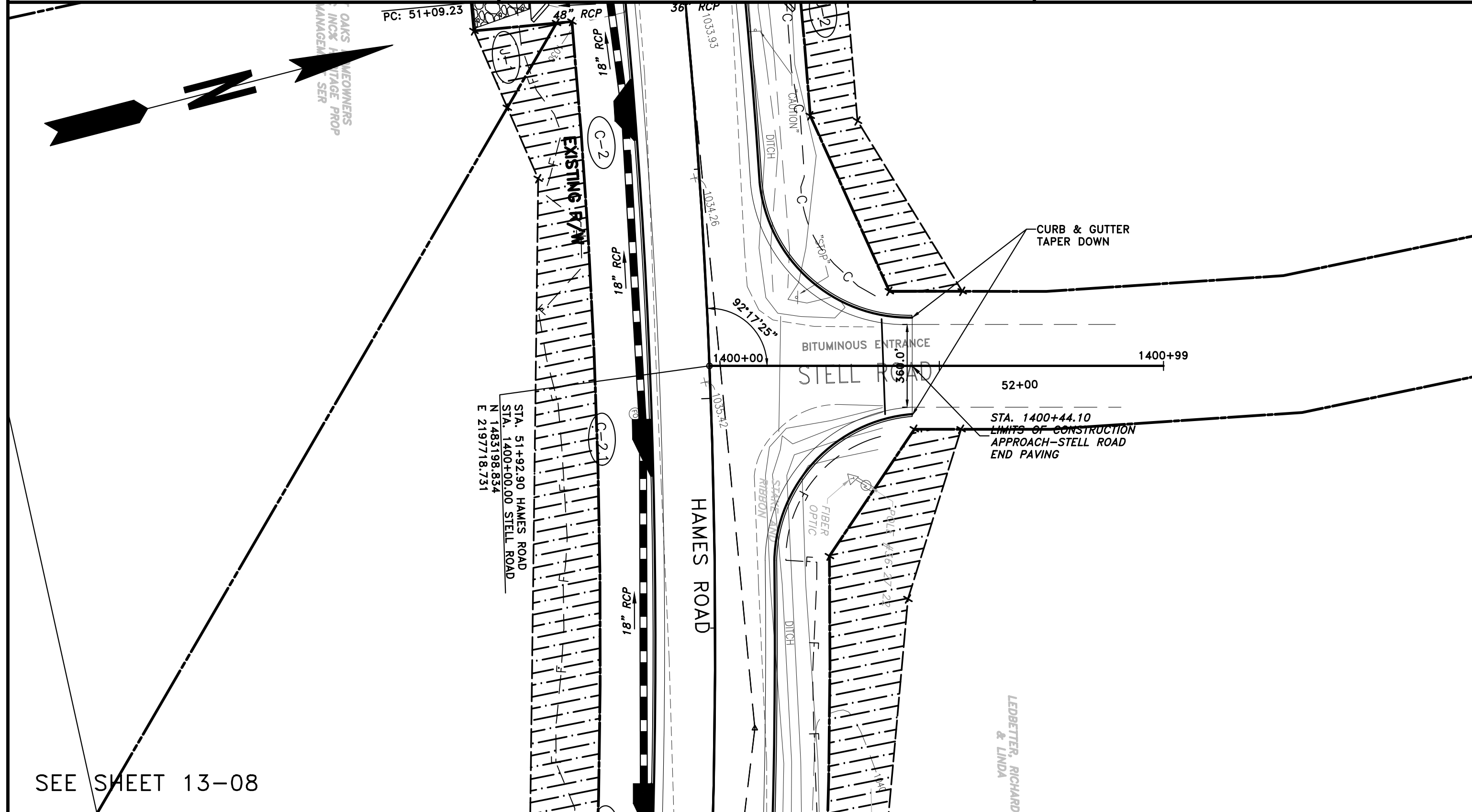
REVISION DATES

CHEROKEE COUNTY
 DEPARTMENT OF TRANSPORTATION
 OFFICE:
 CROSSROAD PLAN AND PROFILE

HAMES ROAD

DRAWING No.
 14-05

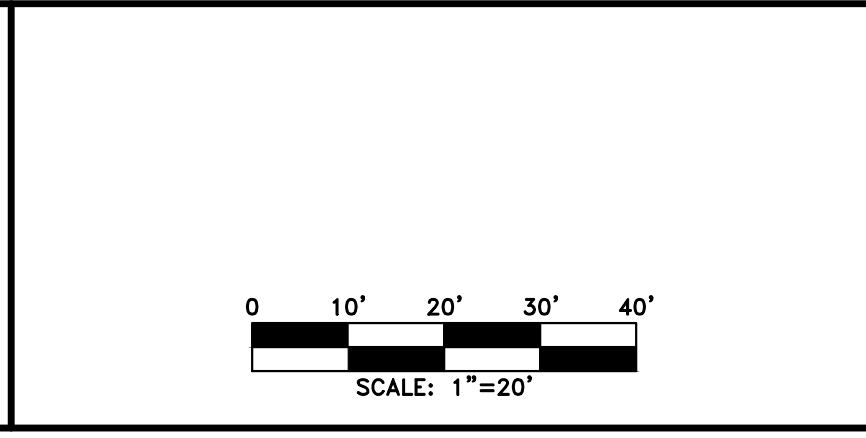
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 PLOT: 4/15/2019 3:13:44 PM
 PLOTTER: HP DesignJet 5000



PROPERTY AND EXISTING R/W LINE	
REQUIRED R/W LINE	
CONSTRUCTION LIMITS	
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES	
EASEMENT FOR CONSTR OF SLOPES	
EASEMENT FOR CONSTR OF DRIVES	

BEGIN LIMIT OF ACCESS.....BLA
 END LIMIT OF ACCESS.....ELA
 LIMIT OF ACCESS
 REQ'D R/W & LIMIT OF ACCESS
 PROPOSED 5' WIDE CONC. SIDEWALK

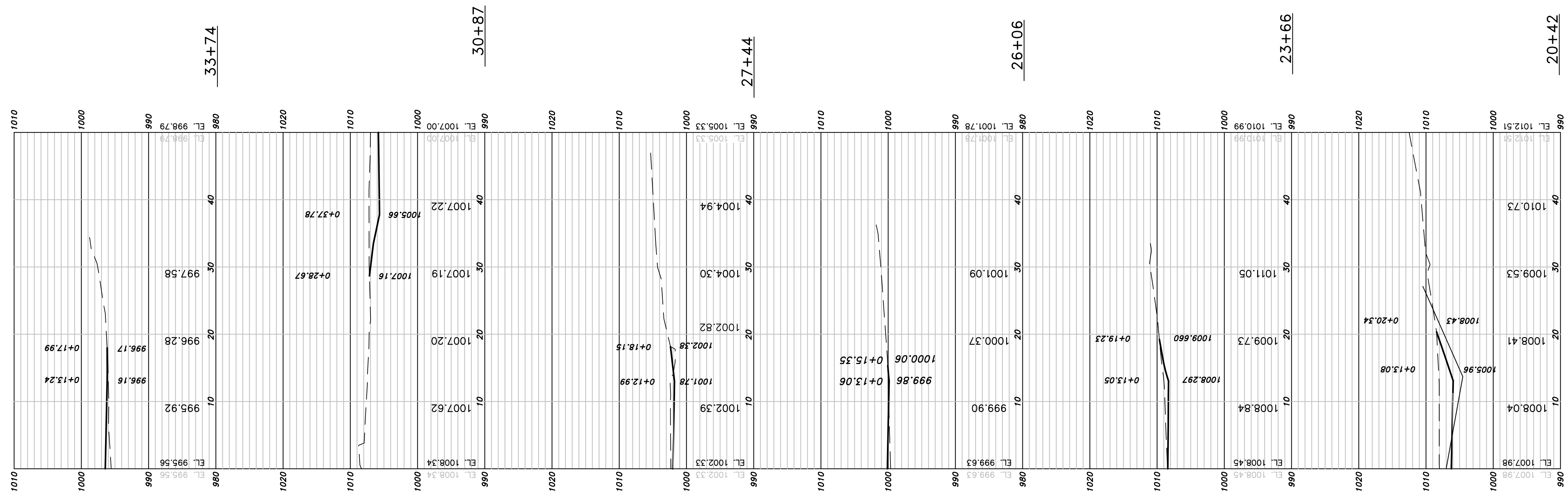
ATWELL
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 MARIETTA, GA 770.423.0807



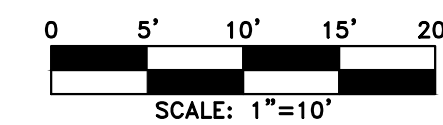
NO.	DATE	DESCRIPTION

CHEROKEE COUNTY
 DEPARTMENT OF TRANSPORTATION
 OFFICE:
 CROSSROAD PLAN AND PROFILE
 HAMES ROAD
 DRAWING No.
 14-06

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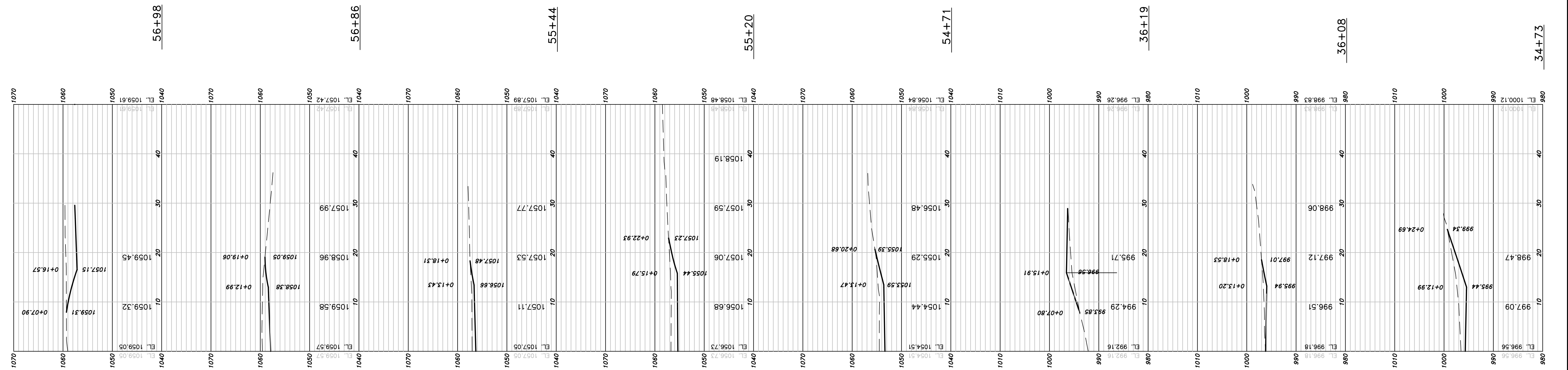
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REVISION DATES	

CHEROKEE COUNTY
 DEPARTMENT OF TRANSPORTATION
 OFFICE:
 DRIVEWAY PROFILES
 STA. 10+00 TO STA 12+00
 HAMES ROAD

DRAWING No.
17-01



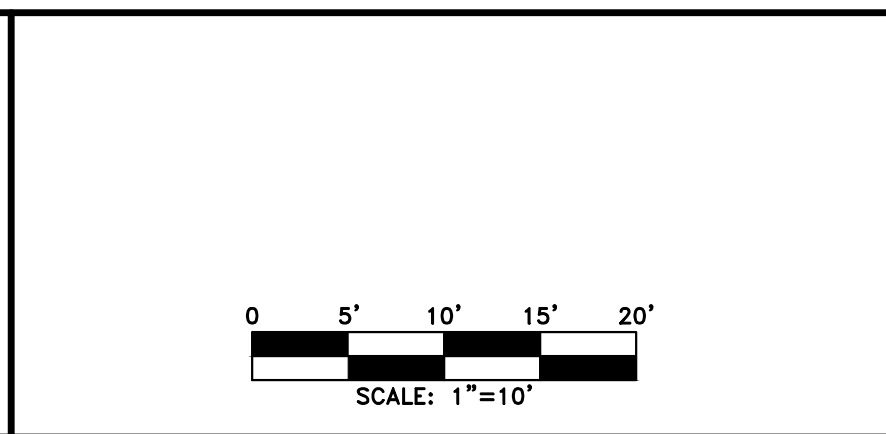
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CHEROKEE COUNTY
 DEPARTMENT OF TRANSPORTATION
 OFFICE:
 DRIVEWAY PROFILES
 STA. 12+00 TO STA. 18+00
 HAMES ROAD

DRAWING No.
17-02

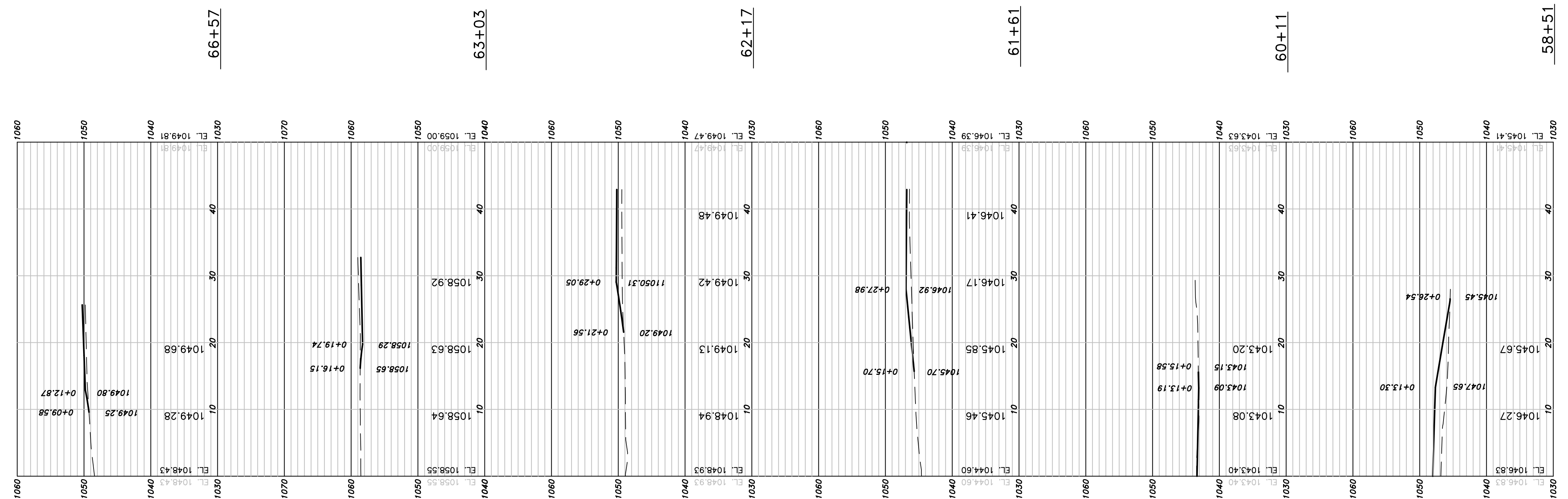


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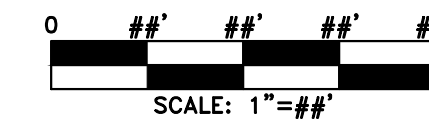
REVISION DATES	

CHEROKEE COUNTY DEPARTMENT OF TRANSPORTATION OFFICE: DRIVEWAY PROFILES STA. 12+00 TO STA. 18+00 HAMES ROAD	DRAWING No. 17-02
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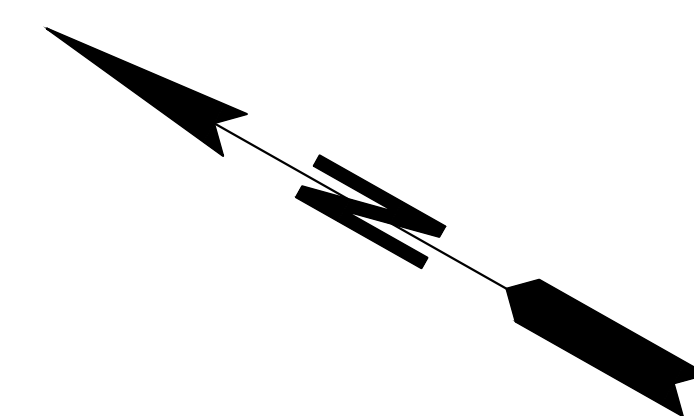


REVISION DATES	

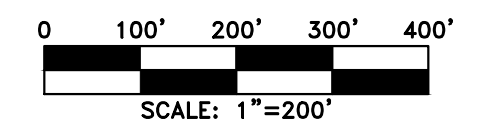
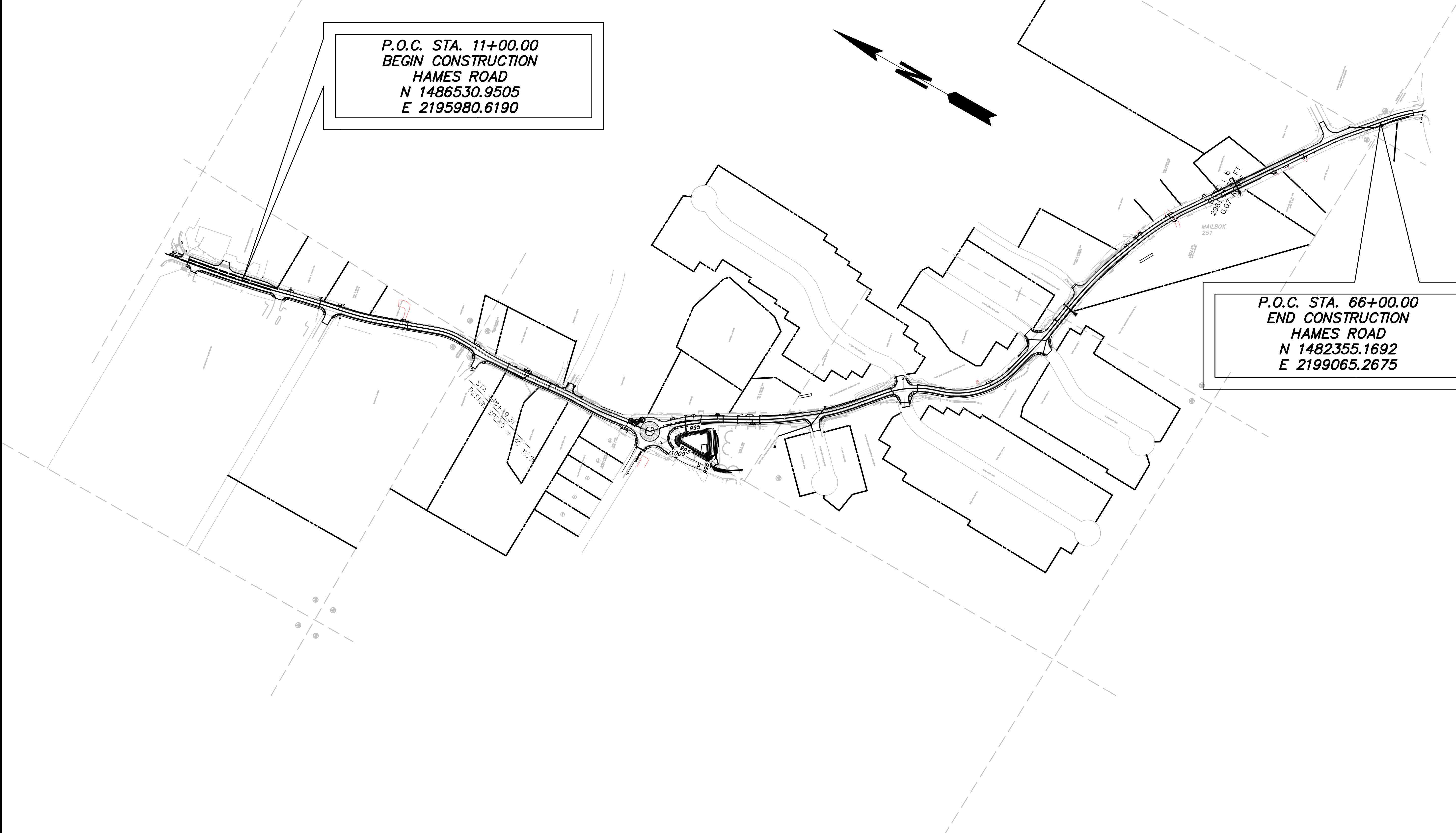
CHEROKEE COUNTY
 DEPARTMENT OF TRANSPORTATION
 OFFICE:
 DRIVEWAY PROFILES
 STA. 18+00 TO 24+00
 HAMES ROAD

	DRAWING No. 17-03
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P.O.C. STA. 11+00.00
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 HAMES ROAD
 N 1486530.9505
 E 2195980.6190



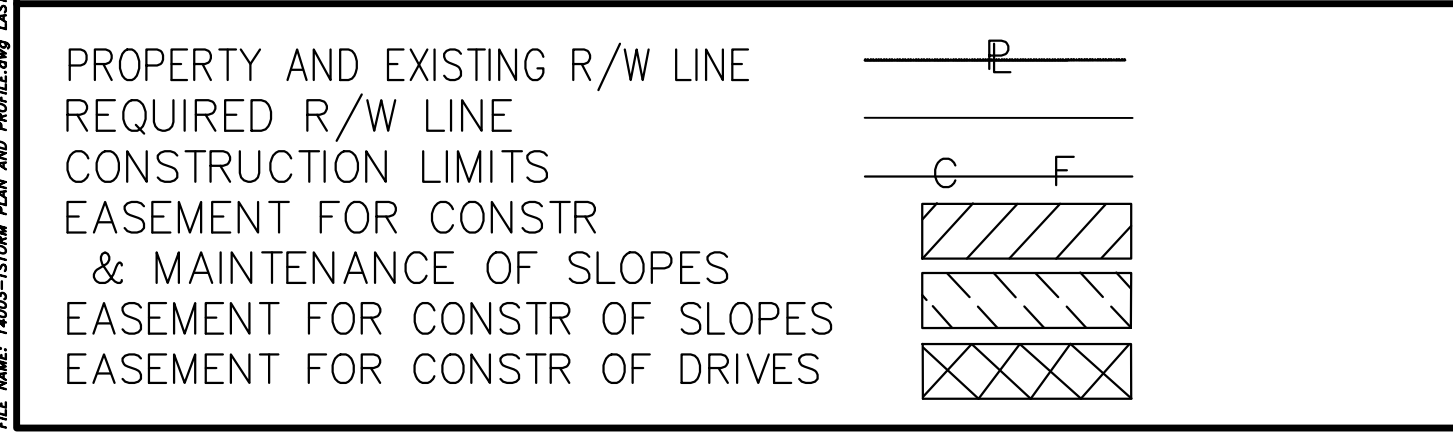
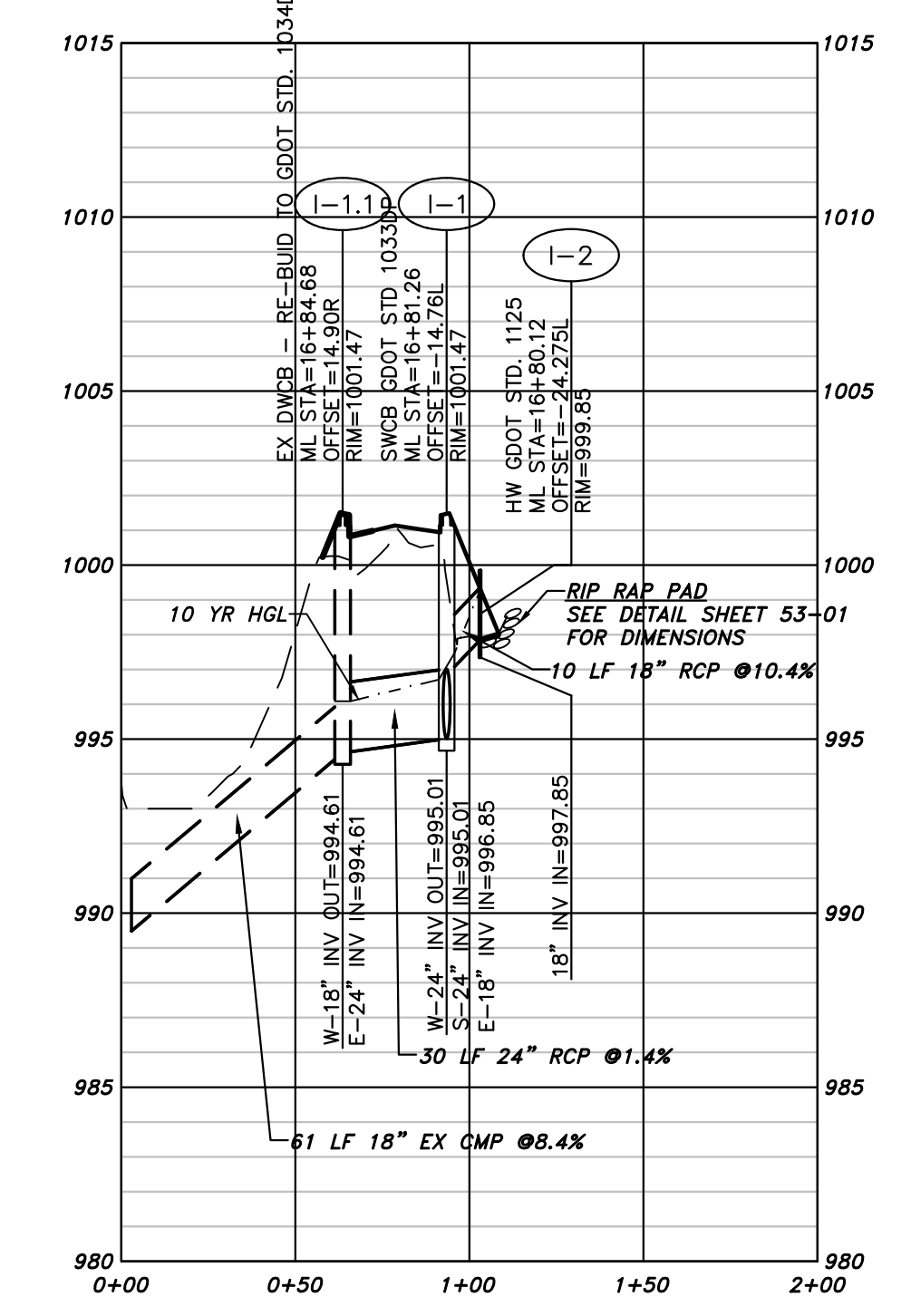
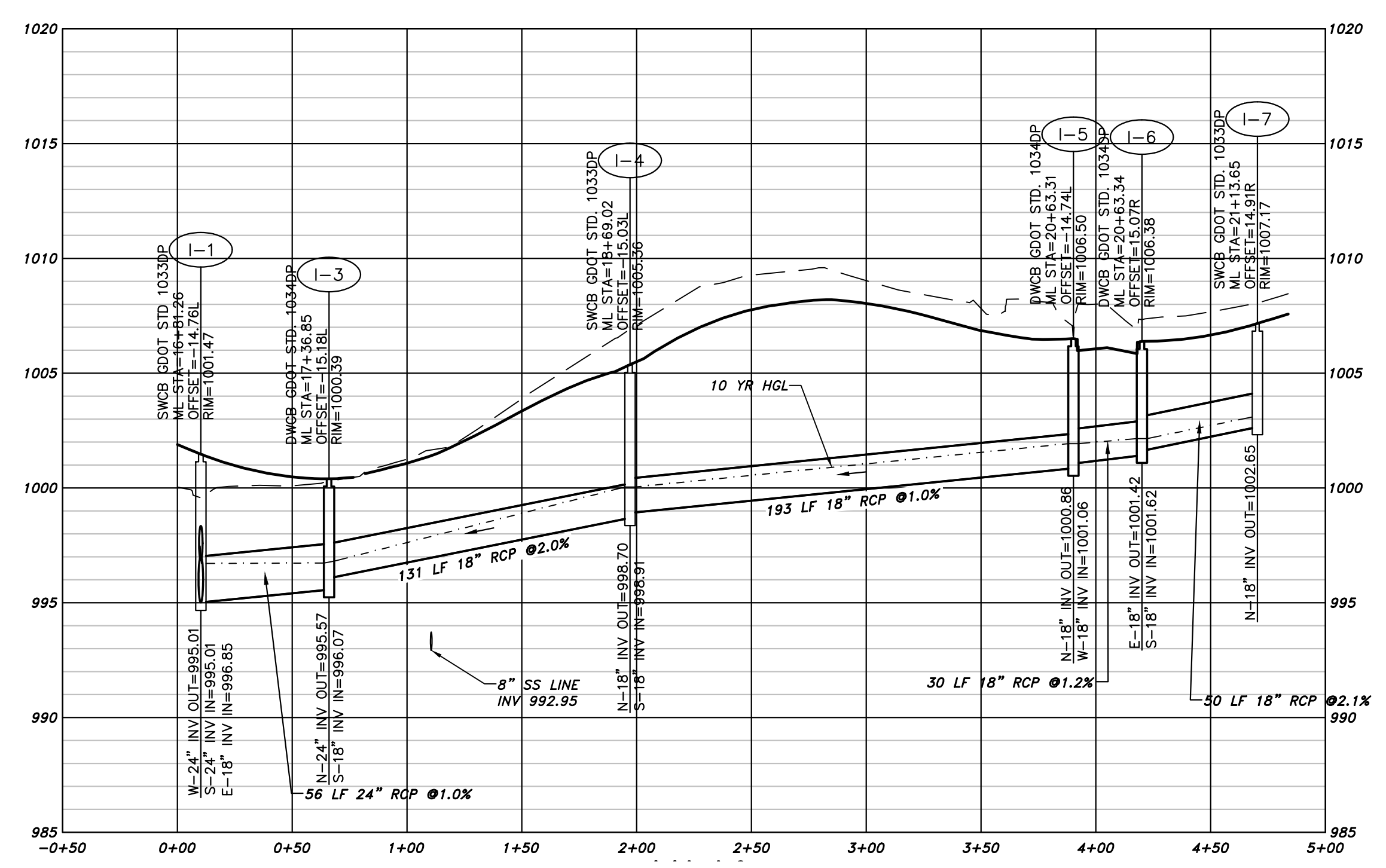
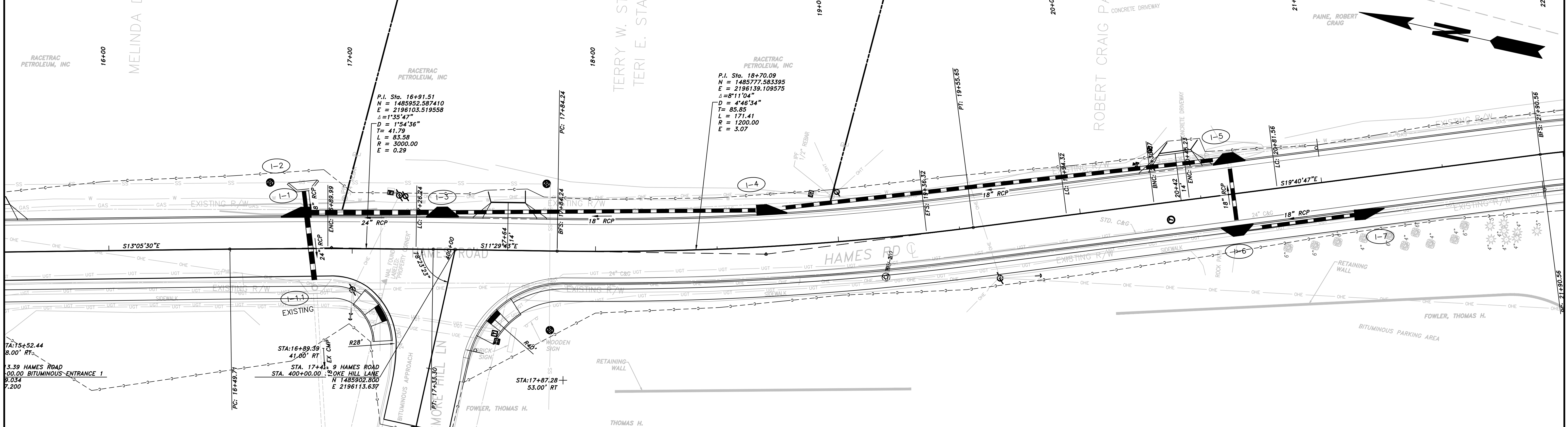
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 END CONSTRUCTION
 HAMES ROAD
 N 1482355.1692
 E 2199065.2675



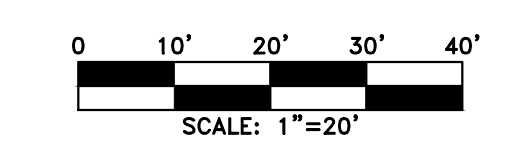
REVISION DATES		

CHEROKEE COUNTY
 DEPARTMENT OF TRANSPORTATION
 OFFICE:
 DRAINAGE AREA MAP
 HAMES ROAD

DRAWING No.
 21-01

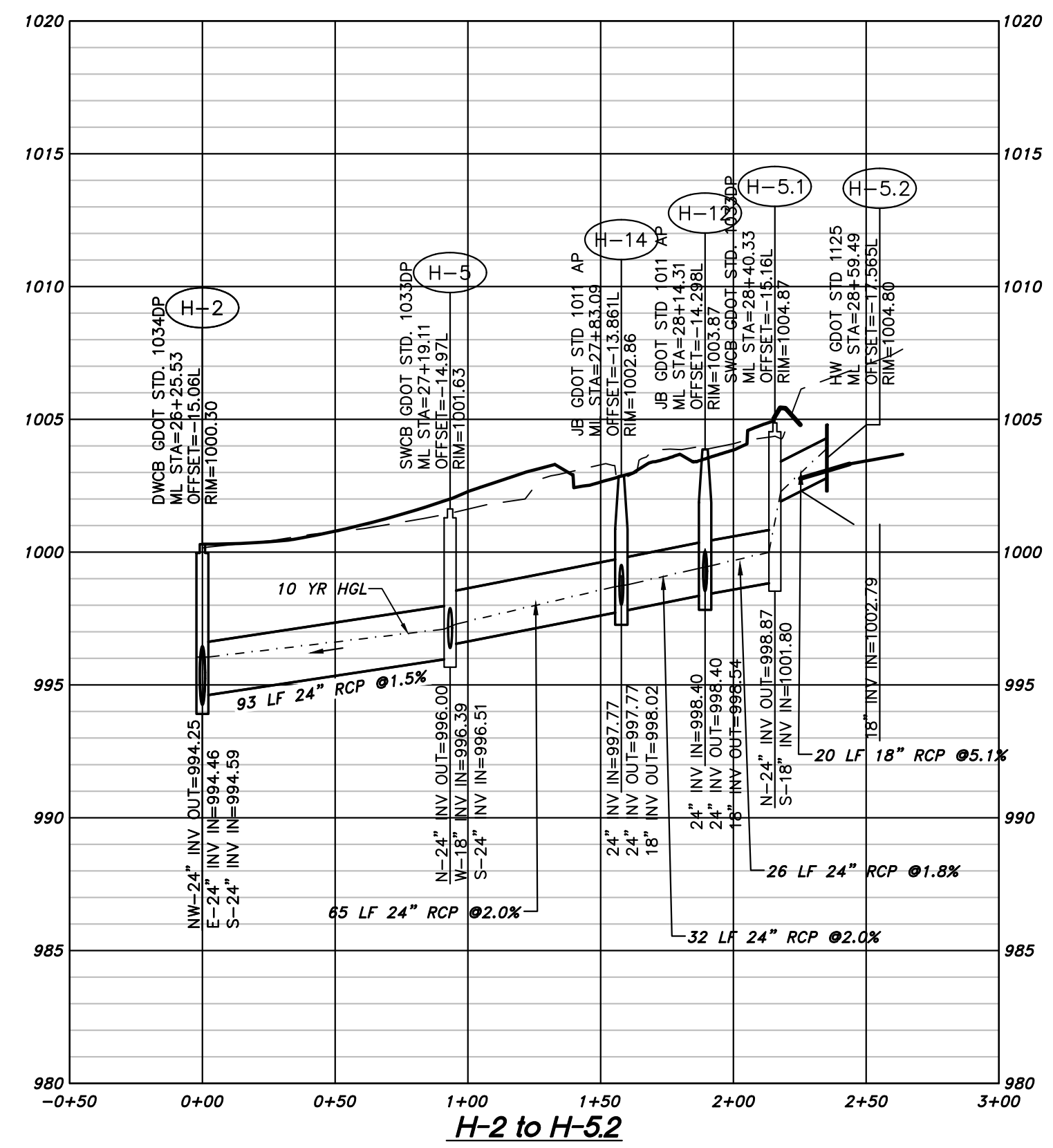
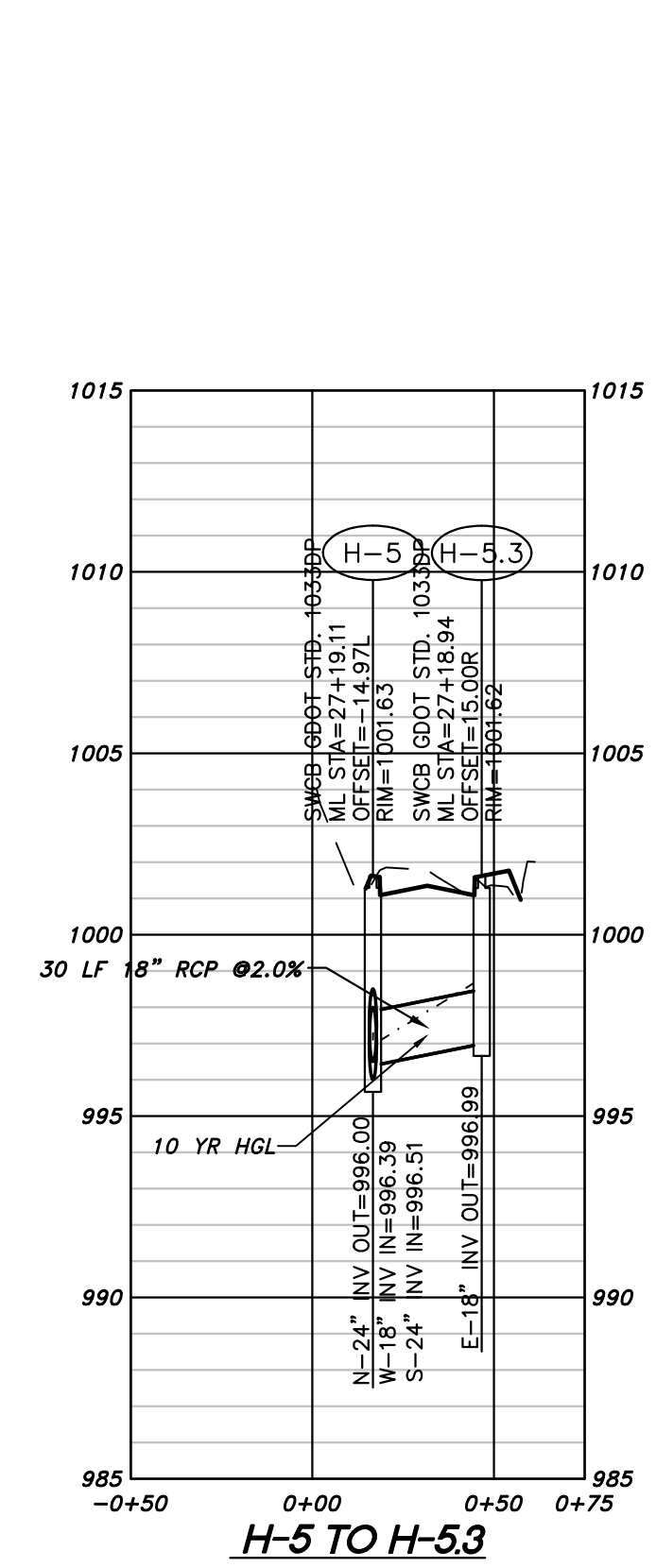
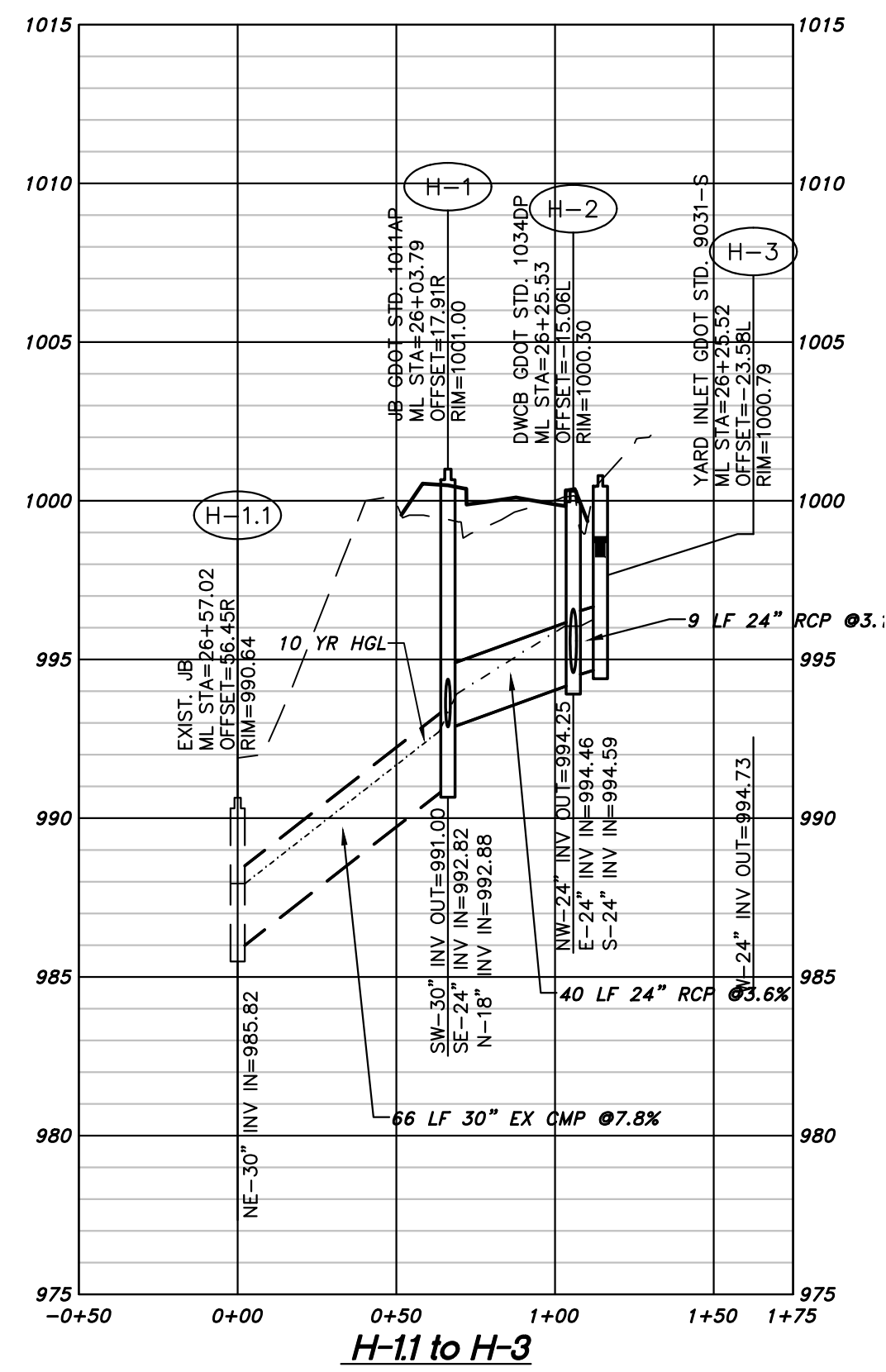
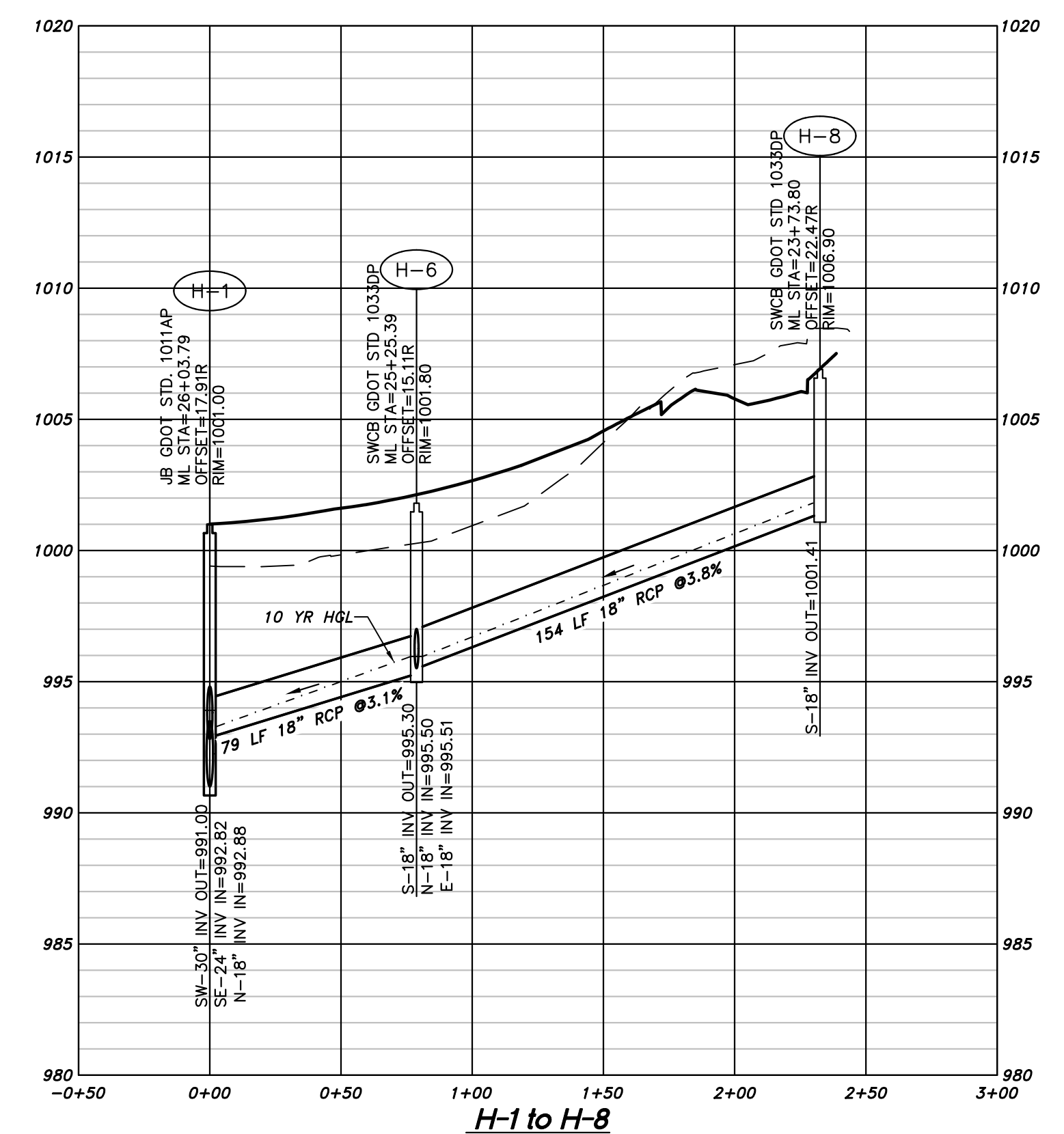
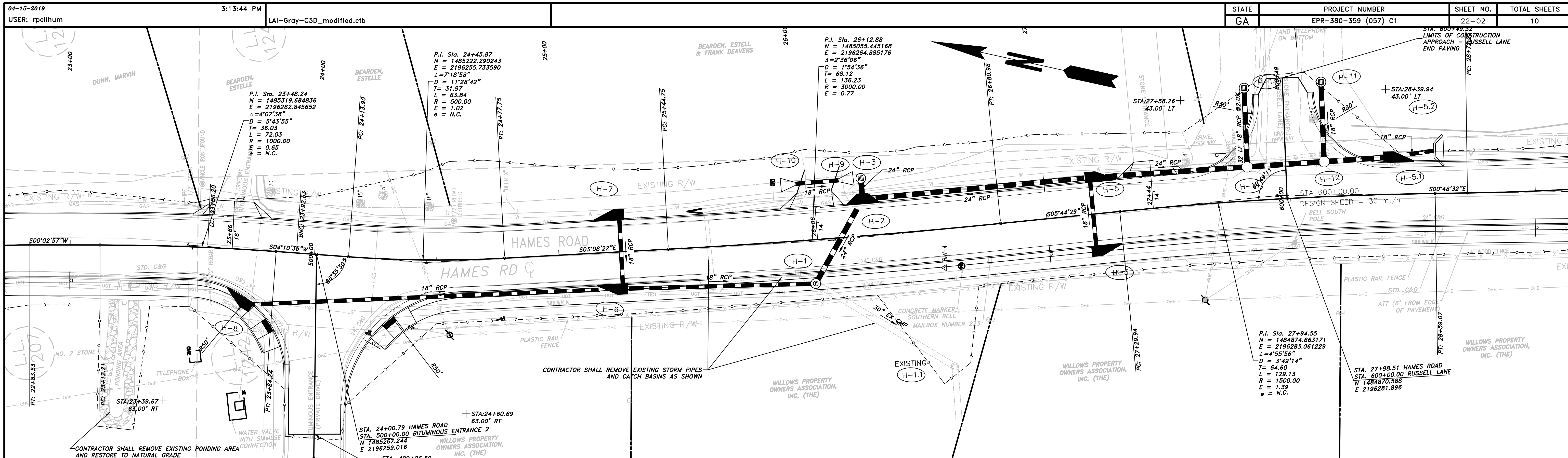


BEGIN LIMIT OF ACCESS.....BLA
 END LIMIT OF ACCESS.....ELA
 LIMIT OF ACCESS
 REQ'D R/W & LIMIT OF ACCESS
 PROPOSED 5' WIDE CONC. SIDEWALK



REVISION	DATE	DESCRIPTION

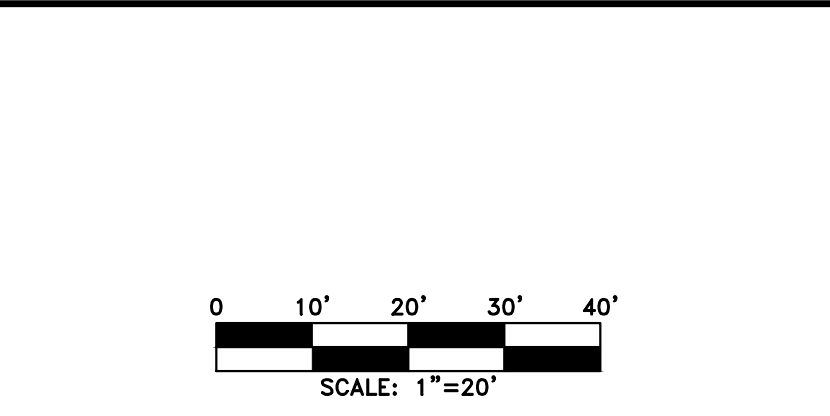
CHEROKEE COUNTY
 DEPARTMENT OF TRANSPORTATION
 OFFICE:
 DRAINAGE PLAN & PROFILES
 HAMES ROAD
 DRAWING No. 22-01



PROPERTY AND EXISTING R/W LINE
 REQUIRED R/W LINE
 CONSTRUCTION LIMITS
 EASEMENT FOR CONSTR
 & MAINTENANCE OF SLOPES
 EASEMENT FOR CONSTR OF SLOPES
 EASEMENT FOR CONSTR OF DRIVES

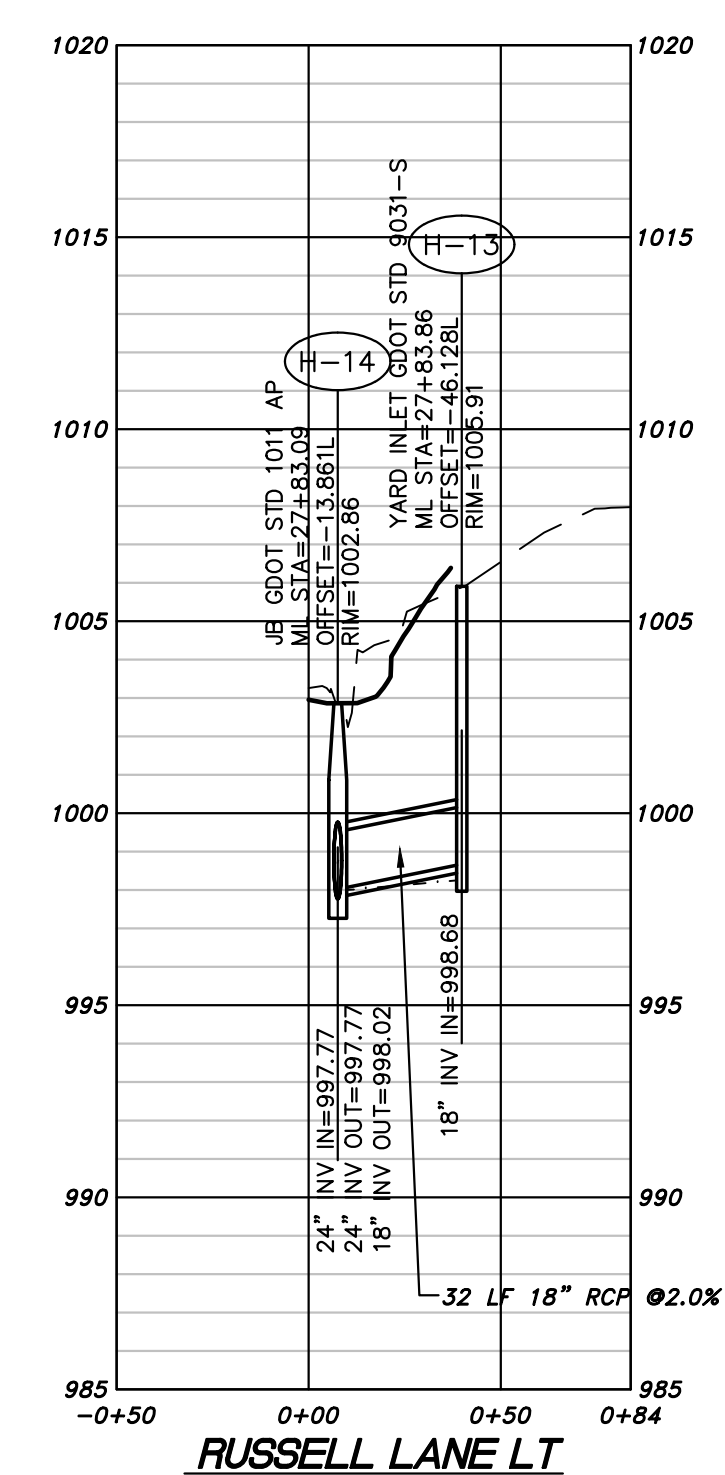
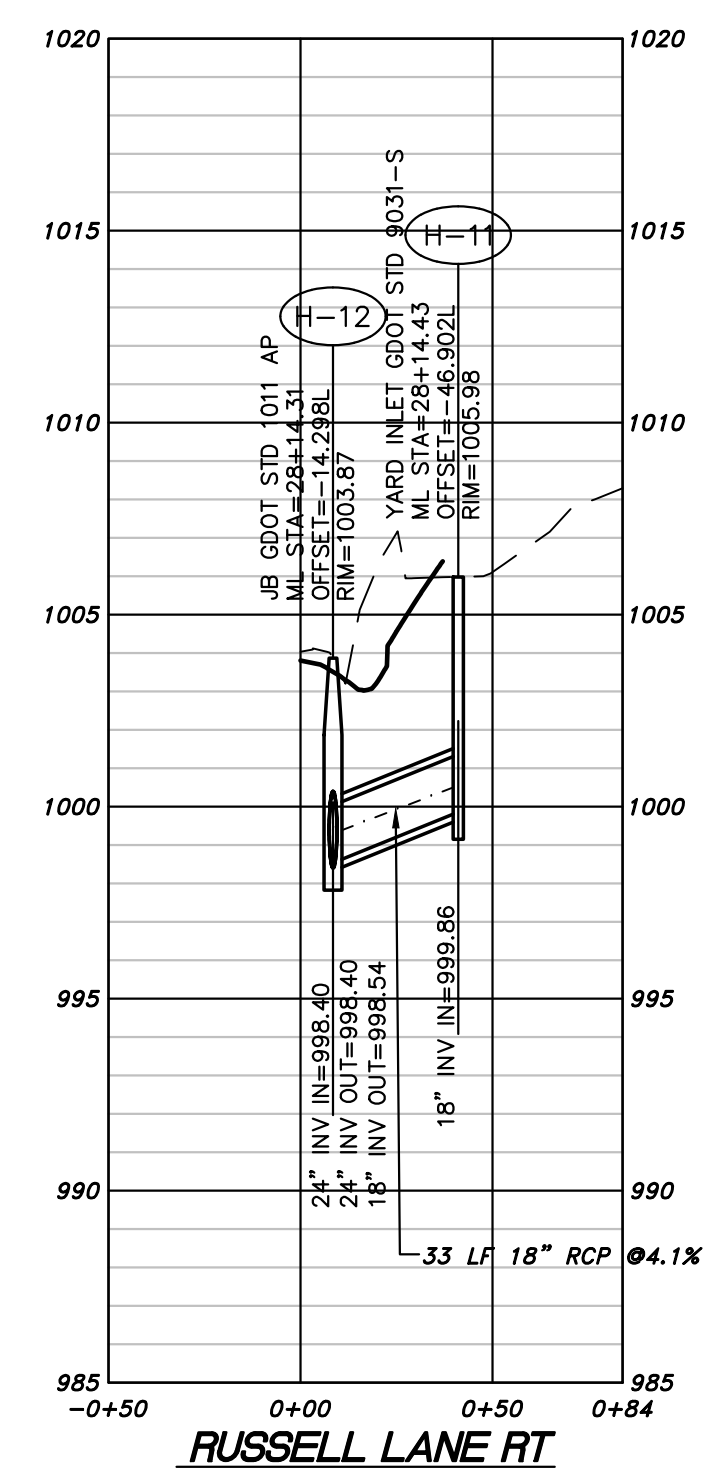
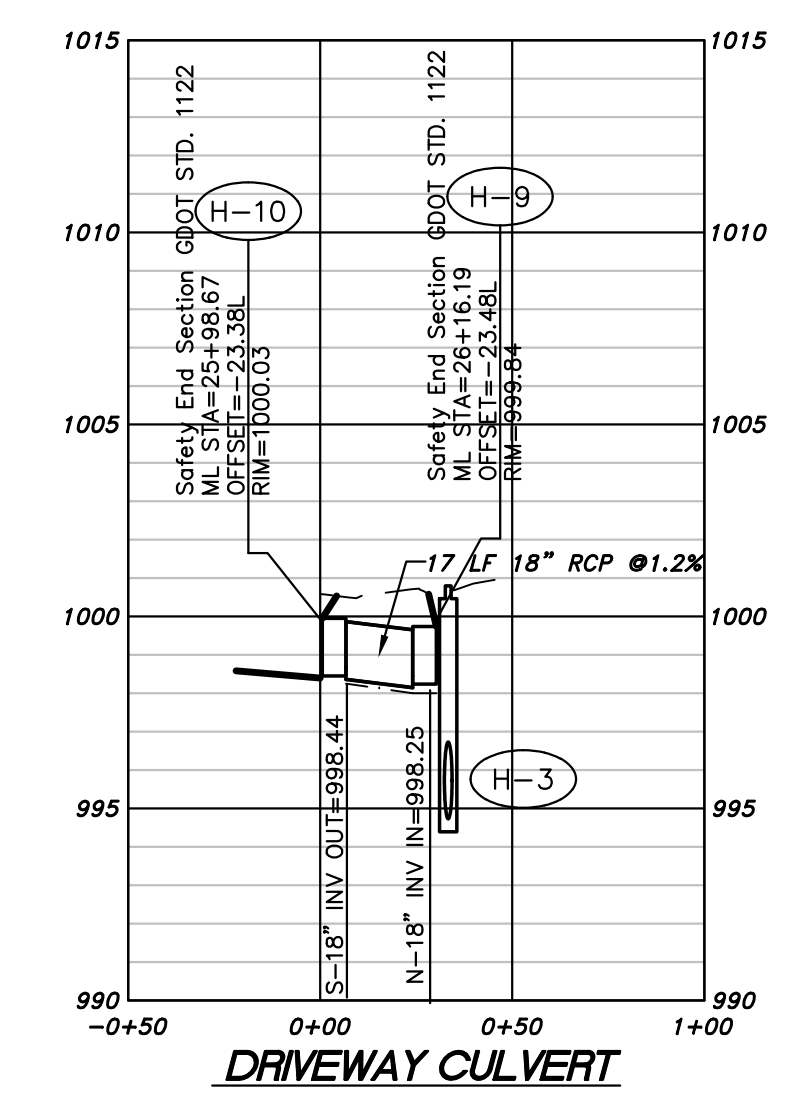
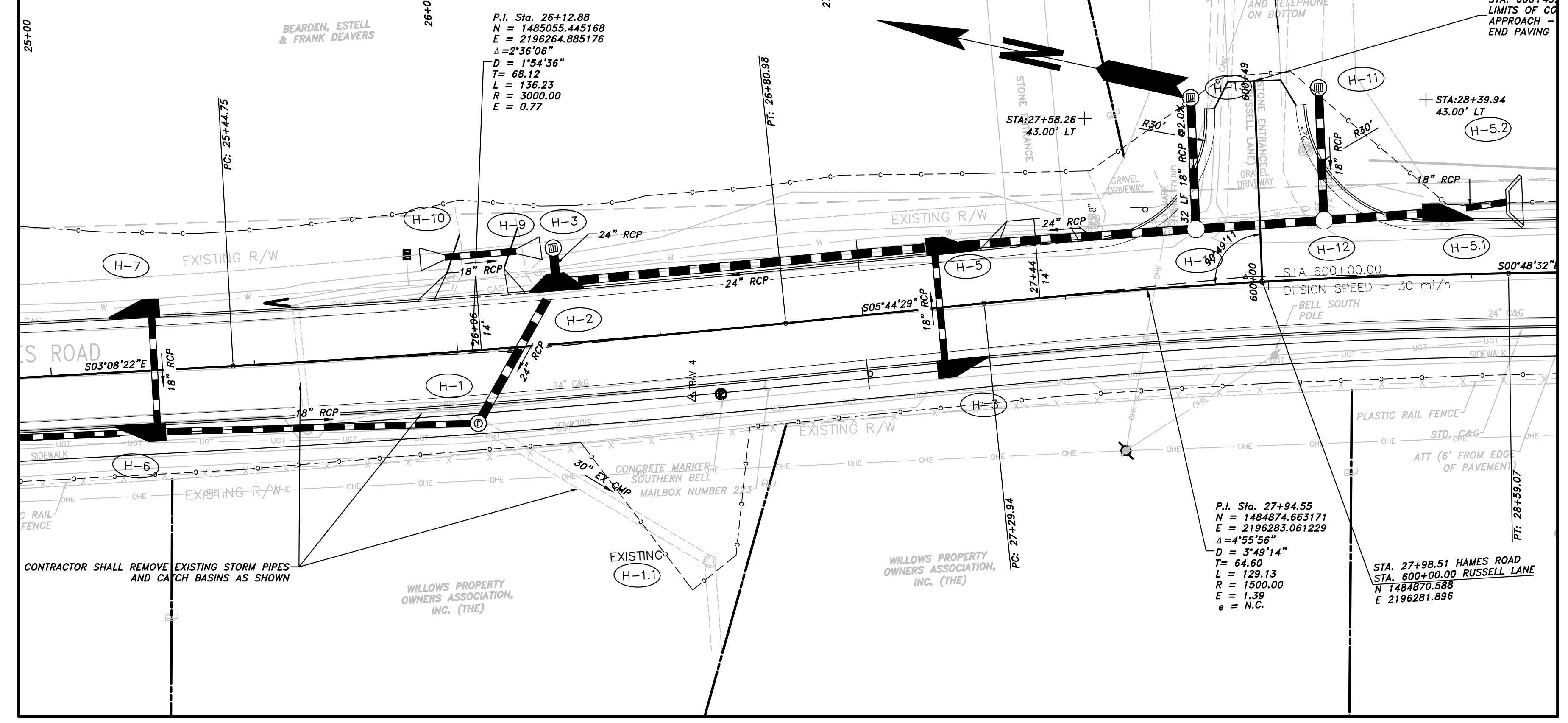
BEGIN LIMIT OF ACCESS.....BLA
 END LIMIT OF ACCESS.....ELA
 LIMIT OF ACCESS
 REQ'D R/W & LIMIT OF ACCESS
 PROPOSED 5' WIDE CONC. SIDEWALK

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 770.423.0807

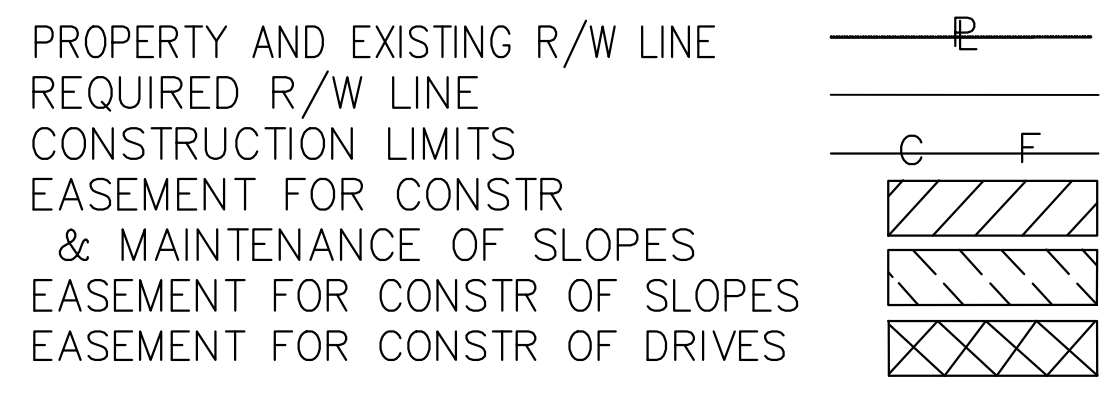


REVISION	DATE	DESCRIPTION

CHEROKEE COUNTY
 DEPARTMENT OF TRANSPORTATION
 OFFICE:
 DRAINAGE PLAN & PROFILES
 HAMES ROAD
 DRAWING No. 22-02



FILE NAME: I:\003-107000-PLAN AND PROFILE\03 LUST DATED BY: rpellhum 4/15/2019 3:40 PM PLOT DATE: 4/16/2019 11:52 AM



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PROPOSED 5' WIDE CONC. SIDEWALK

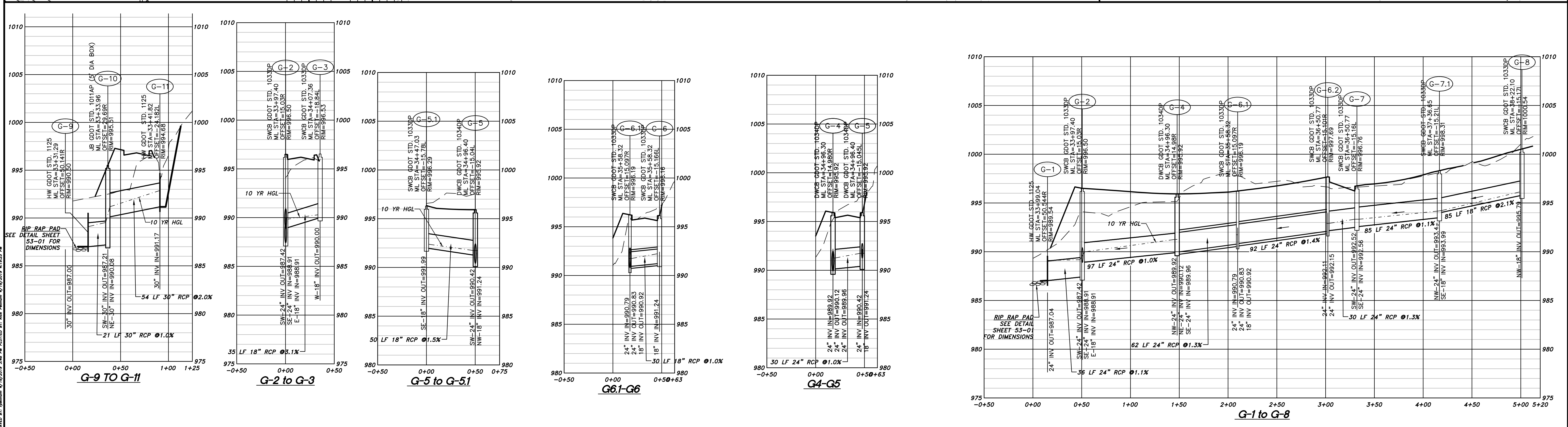
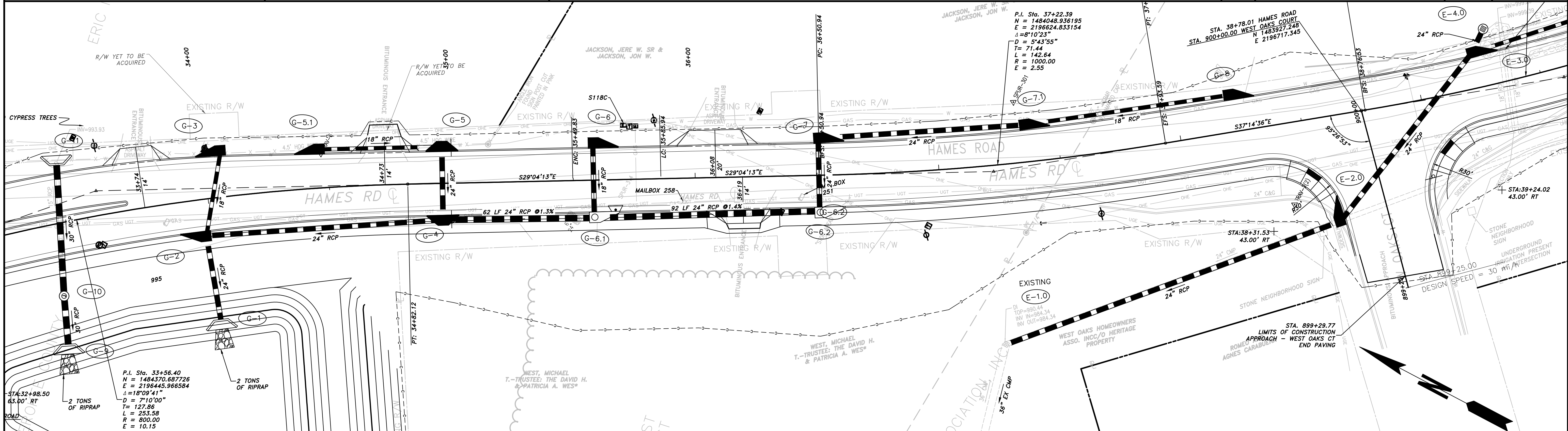


REVISION	DATE	DESCRIPTION

CHEROKEE COUNTY
 DEPARTMENT OF TRANSPORTATION
 OFFICE:
 DRAINAGE PLAN & PROFILES

HAMES ROAD

DRAWING No. 22-03

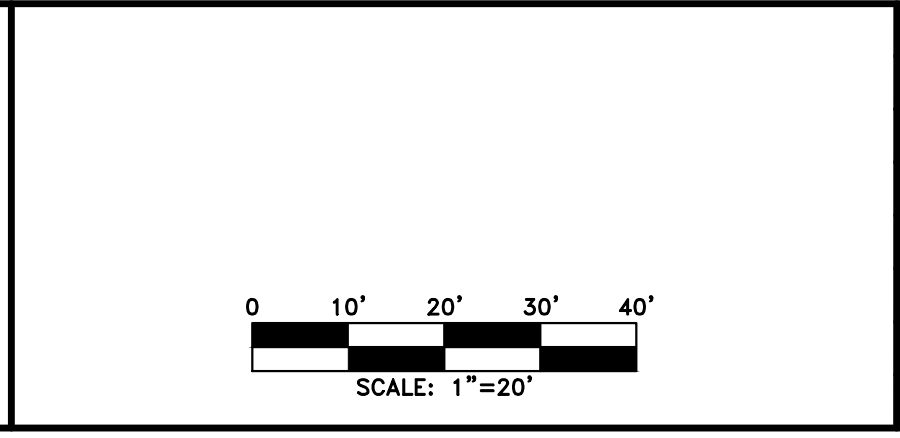


PROPERTY AND EXISTING R/W LINE
 REQUIRED R/W LINE
 CONSTRUCTION LIMITS
 EASEMENT FOR CONSTR
 & MAINTENANCE OF SLOPES
 EASEMENT FOR CONSTR OF SLOPES
 EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
 END LIMIT OF ACCESS.....ELA
 LIMIT OF ACCESS
 REQ'D R/W & LIMIT OF ACCESS

PROPOSED 5' WIDE CONC. SIDEWALK

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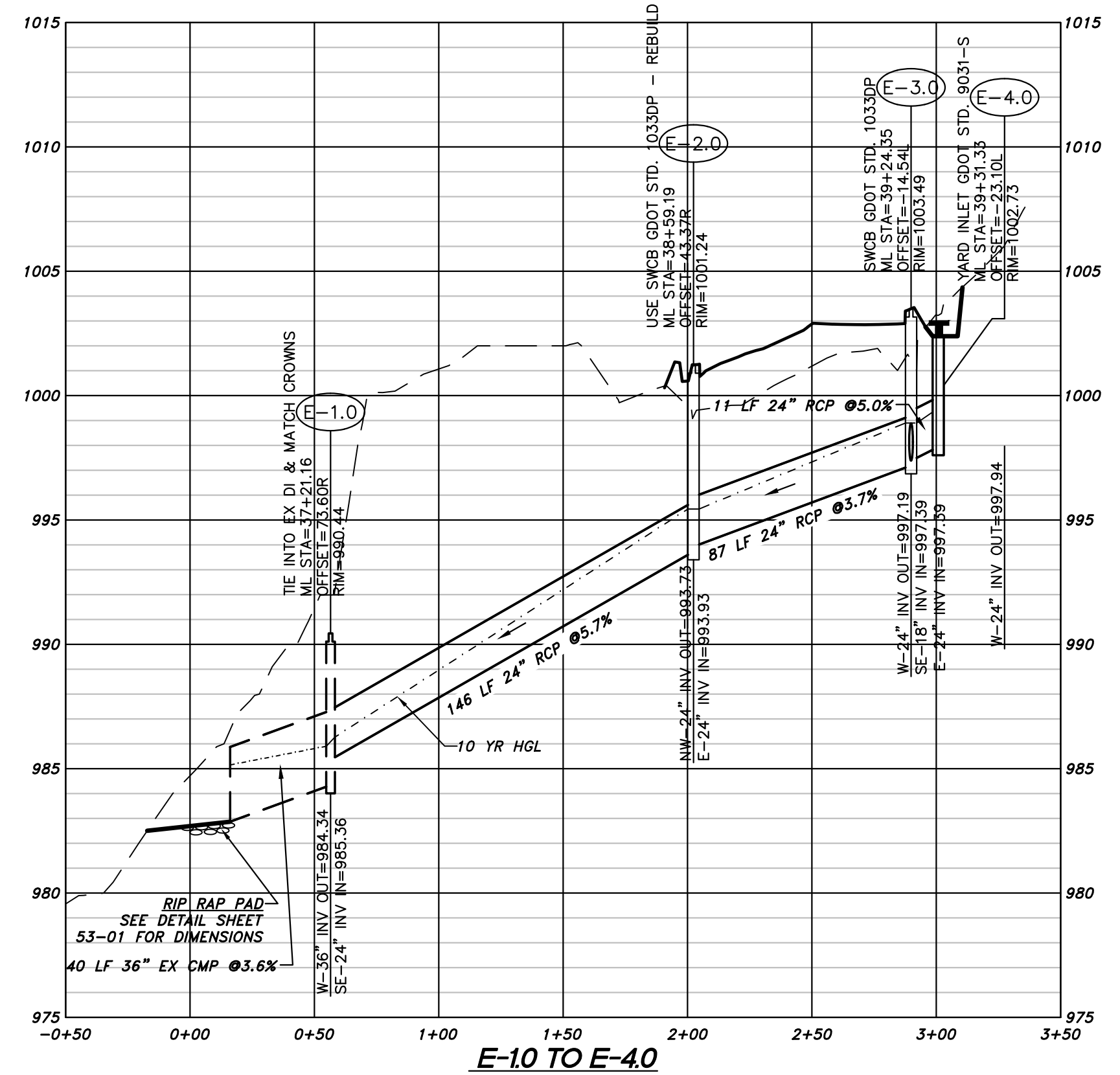
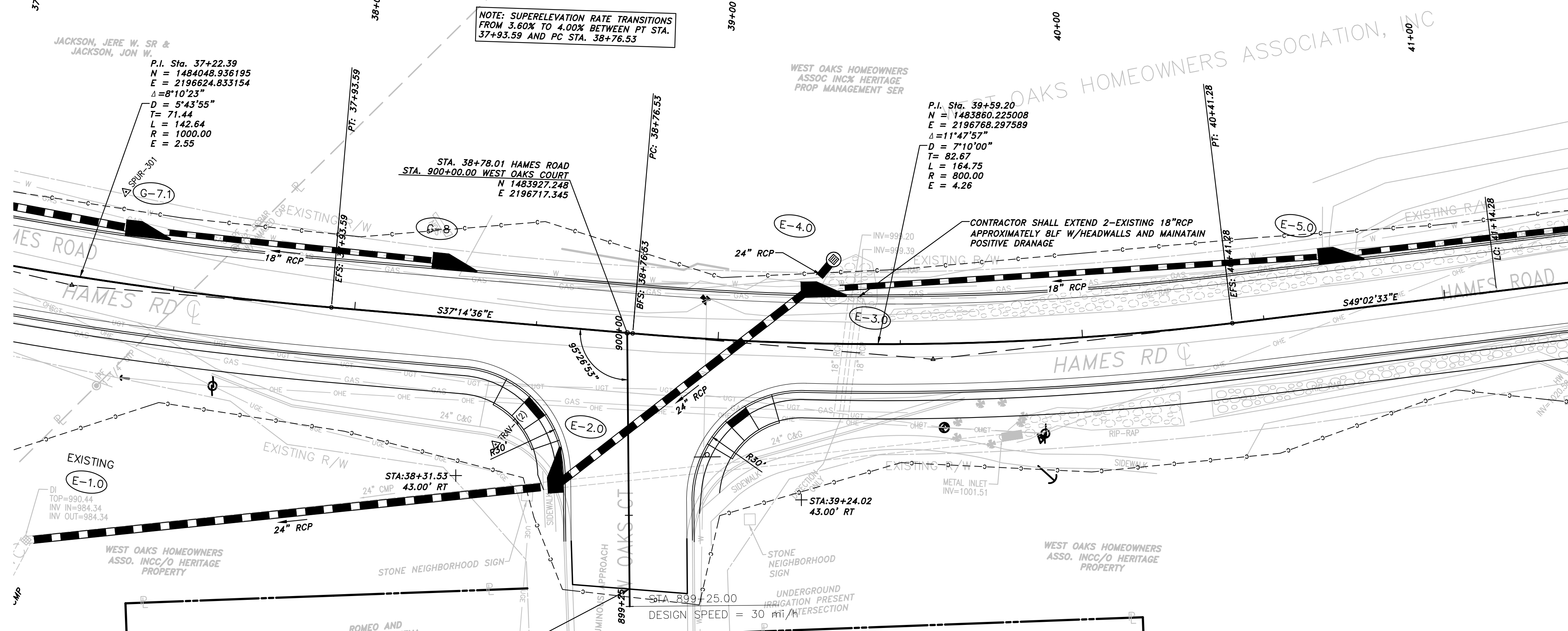


REVISION	DATE	DESCRIPTION

CHEROKEE COUNTY
 DEPARTMENT OF TRANSPORTATION
 OFFICE:
 DRAINAGE PLAN & PROFILE

HAMES ROAD

DRAWING No. 22-04

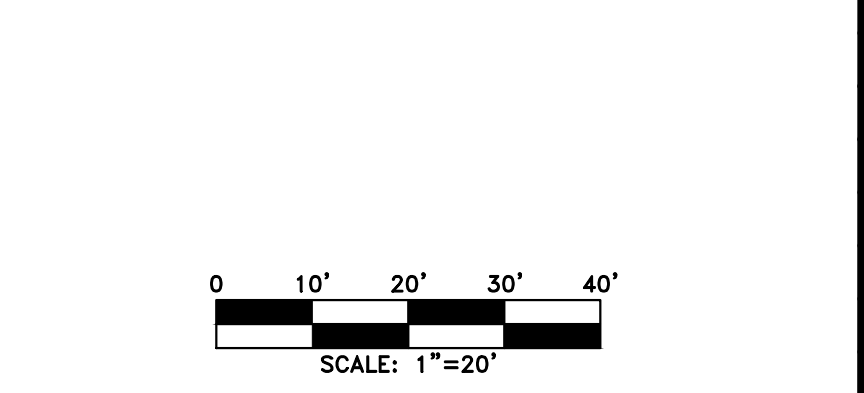


PROPERTY AND EXISTING R/W LINE
 REQUIRED R/W LINE
 CONSTRUCTION LIMITS
 EASEMENT FOR CONSTR
 & MAINTENANCE OF SLOPES
 EASEMENT FOR CONSTR OF SLOPES
 EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
 END LIMIT OF ACCESS.....ELA
 LIMIT OF ACCESS
 REQ'D R/W & LIMIT OF ACCESS

PROPOSED 5' WIDE CONC. SIDEWALK

ATWELL
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 MARIETTA, GA 770.423.0807



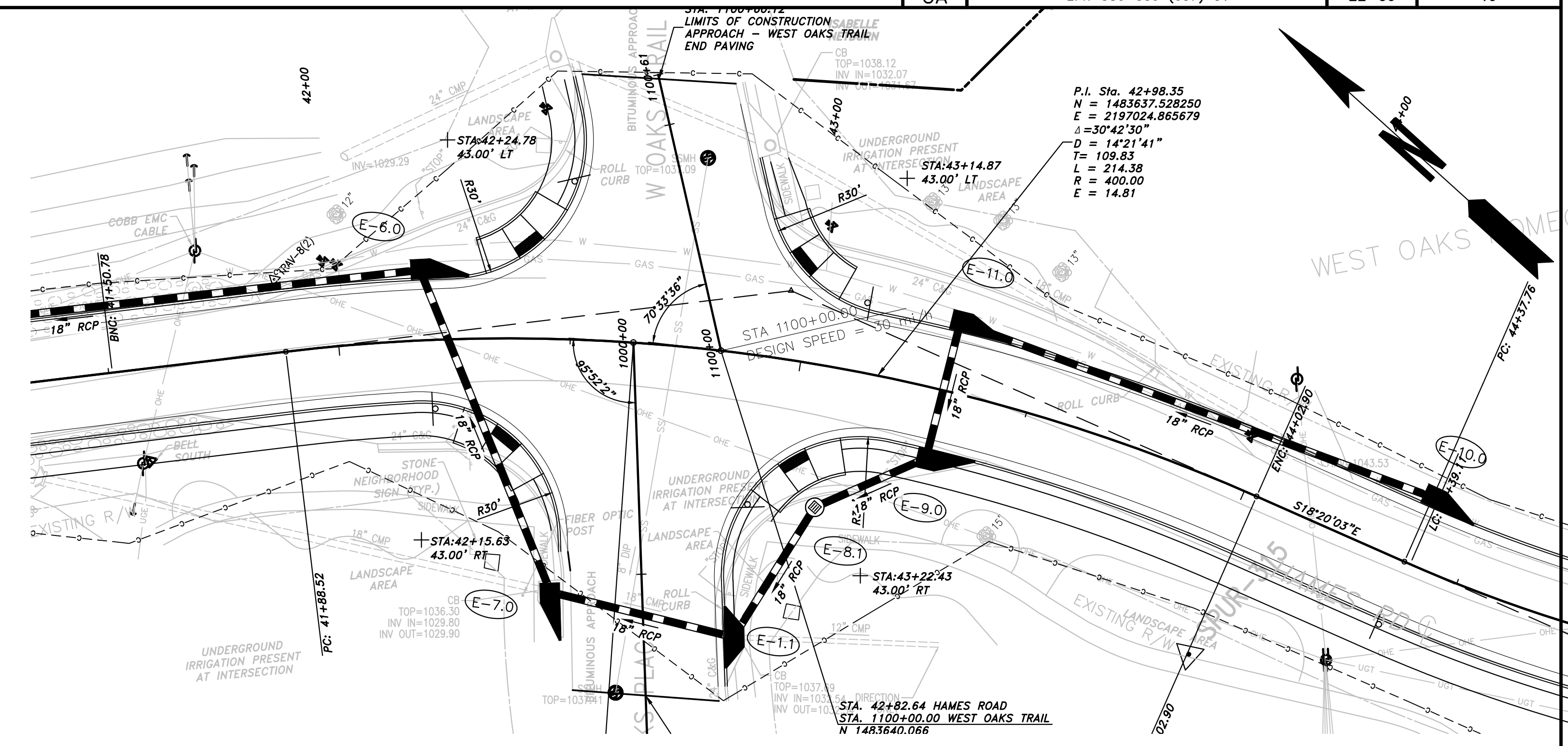
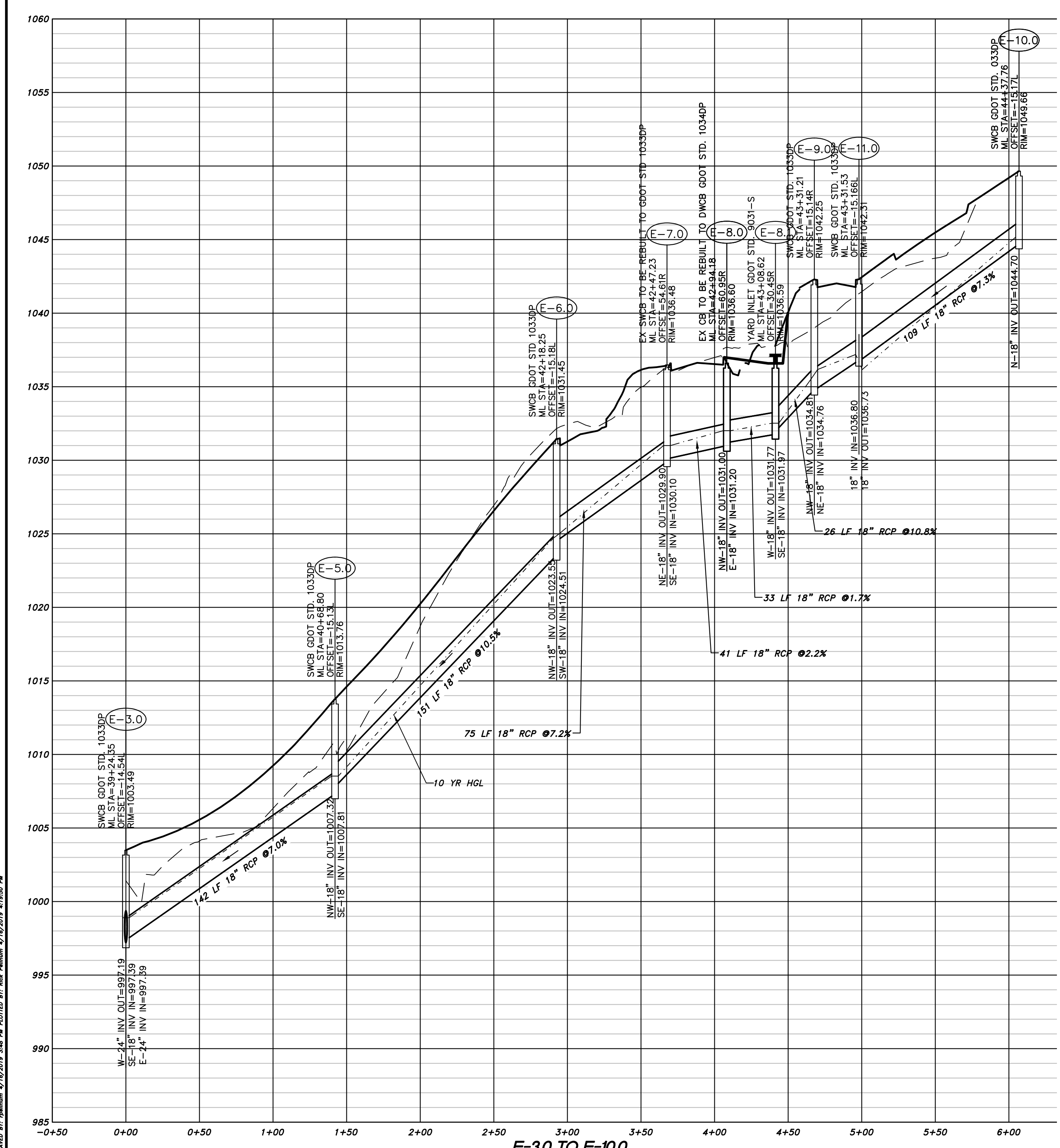
REVISION DATES	

CHEROKEE COUNTY
 DEPARTMENT OF TRANSPORTATION
 OFFICE: DRAINAGE PLAN & PROFILE

HAMES ROAD

DRAWING No. 22-05

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PROPERTY AND EXISTING R/W LINE	
REQUIRED R/W LINE	
CONSTRUCTION LIMITS	
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES	
EASEMENT FOR CONSTR OF SLOPES	
EASEMENT FOR CONSTR OF DRIVES	

BEGIN LIMIT OF ACCESS.....BLA
 END LIMIT OF ACCESS.....ELA
 LIMIT OF ACCESS
 REQ'D R/W & LIMIT OF ACCESS

PROPOSED 5' WIDE CONC. SIDEWALK

ATWELL
 866.850.4200 www.atwell-group.com
 1800 PARKWAY PLACE, SUITE 700
 MARIETTA, GA 30067

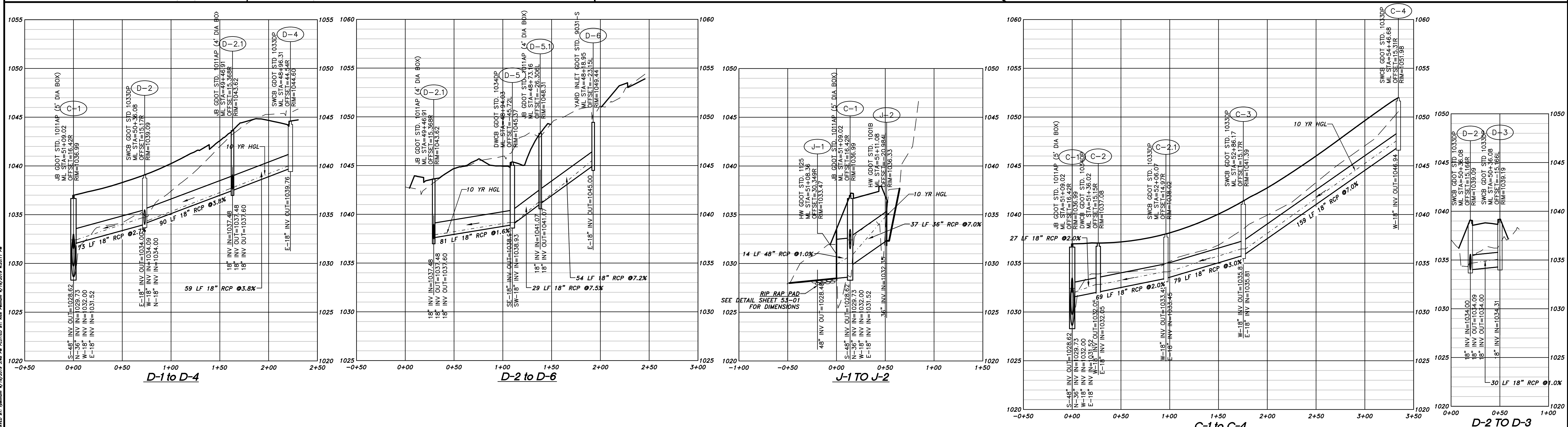
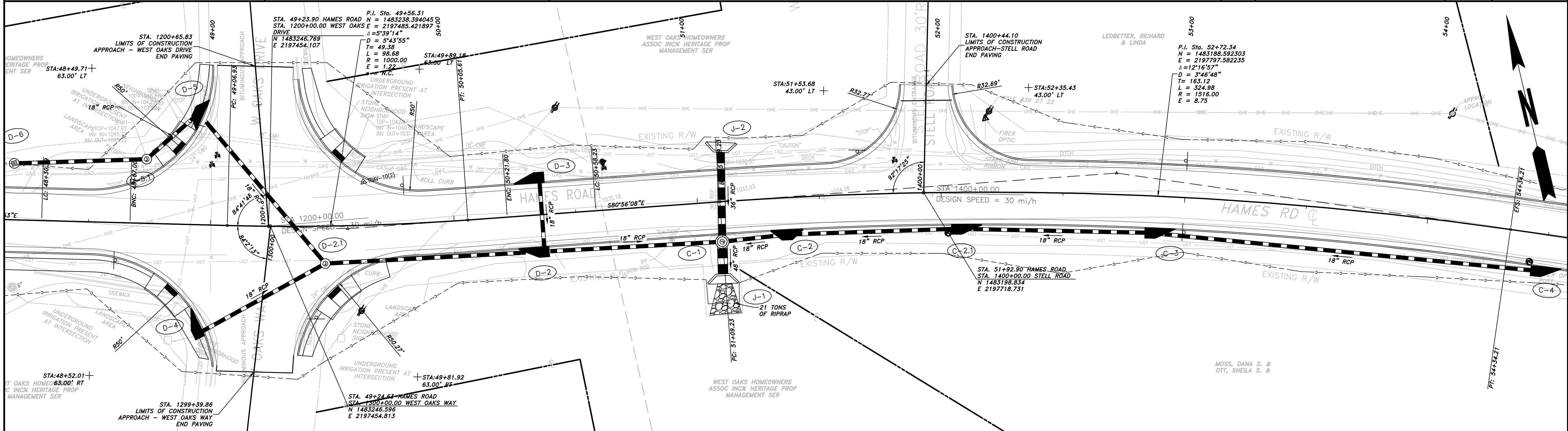


REVISION	DATE	DESCRIPTION

CHEROKEE COUNTY
 DEPARTMENT OF TRANSPORTATION
 OFFICE: DRAINAGE PLAN & PROFILE

HAMES ROAD

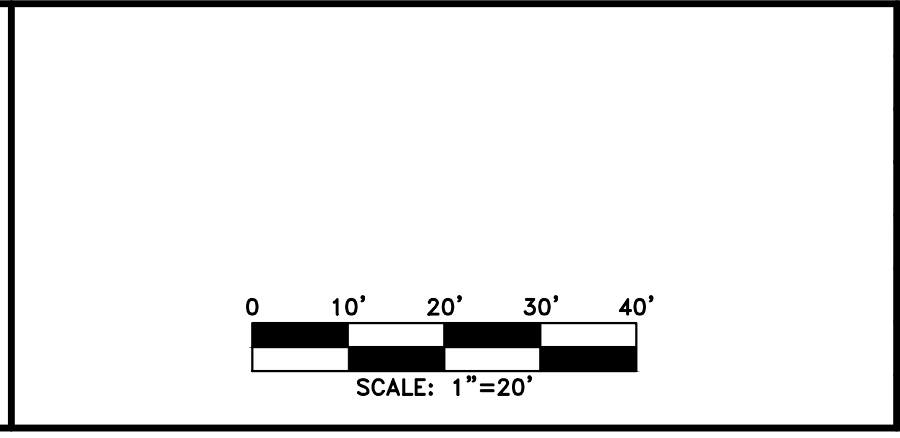
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PROPERTY AND EXISTING R/W LINE	
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EASEMENT FOR CONSTR OF SLOPES	
EASEMENT FOR CONSTR OF DRIVES	

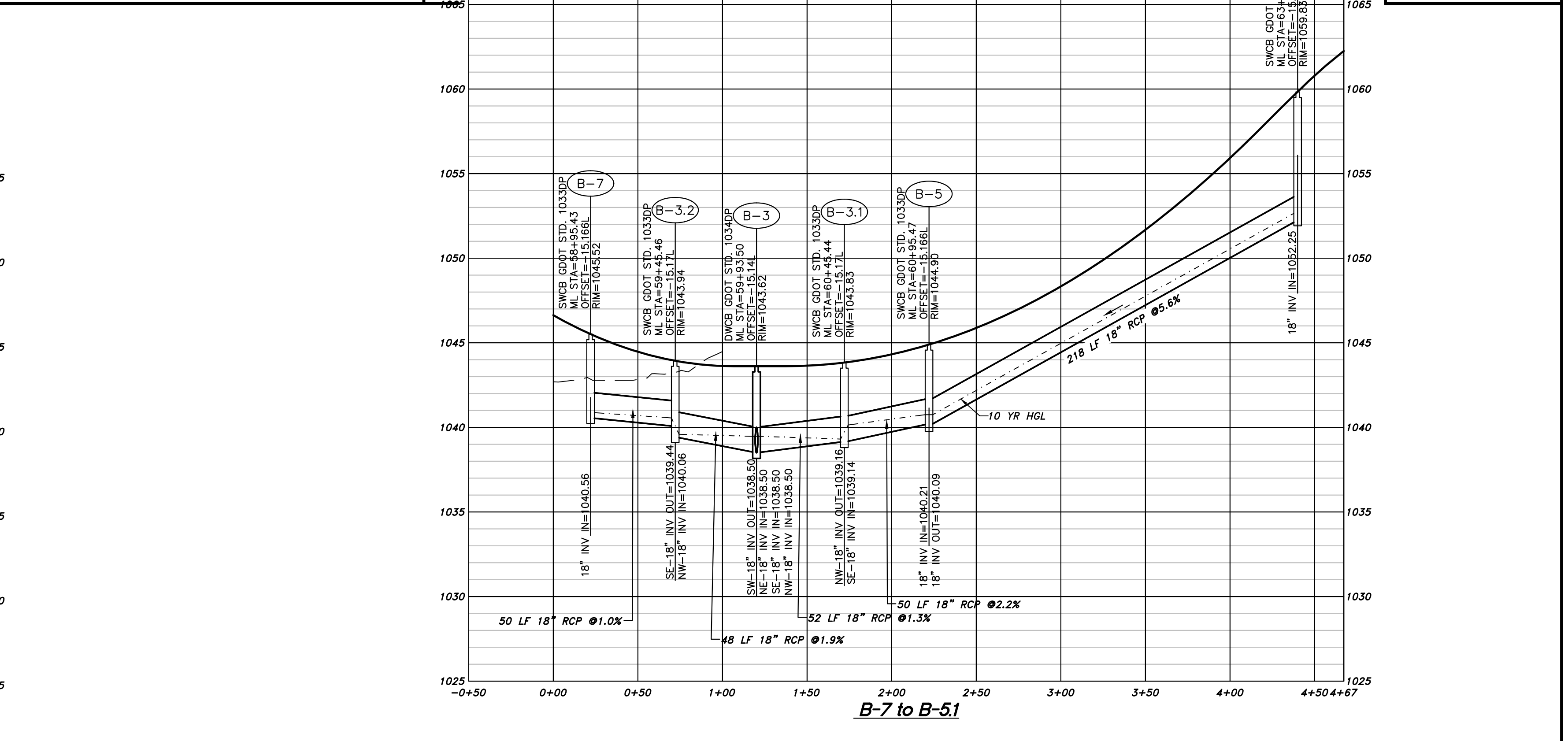
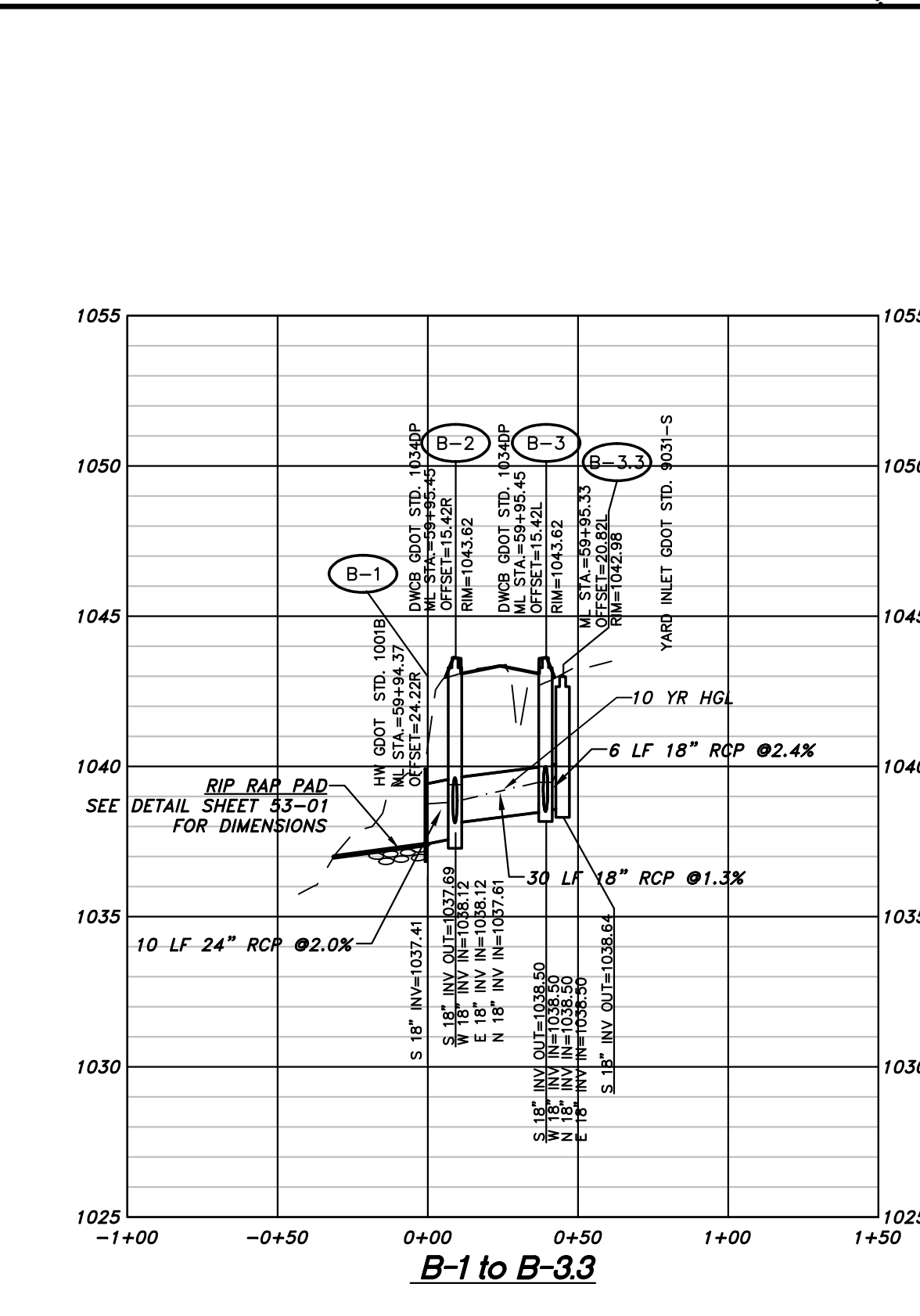
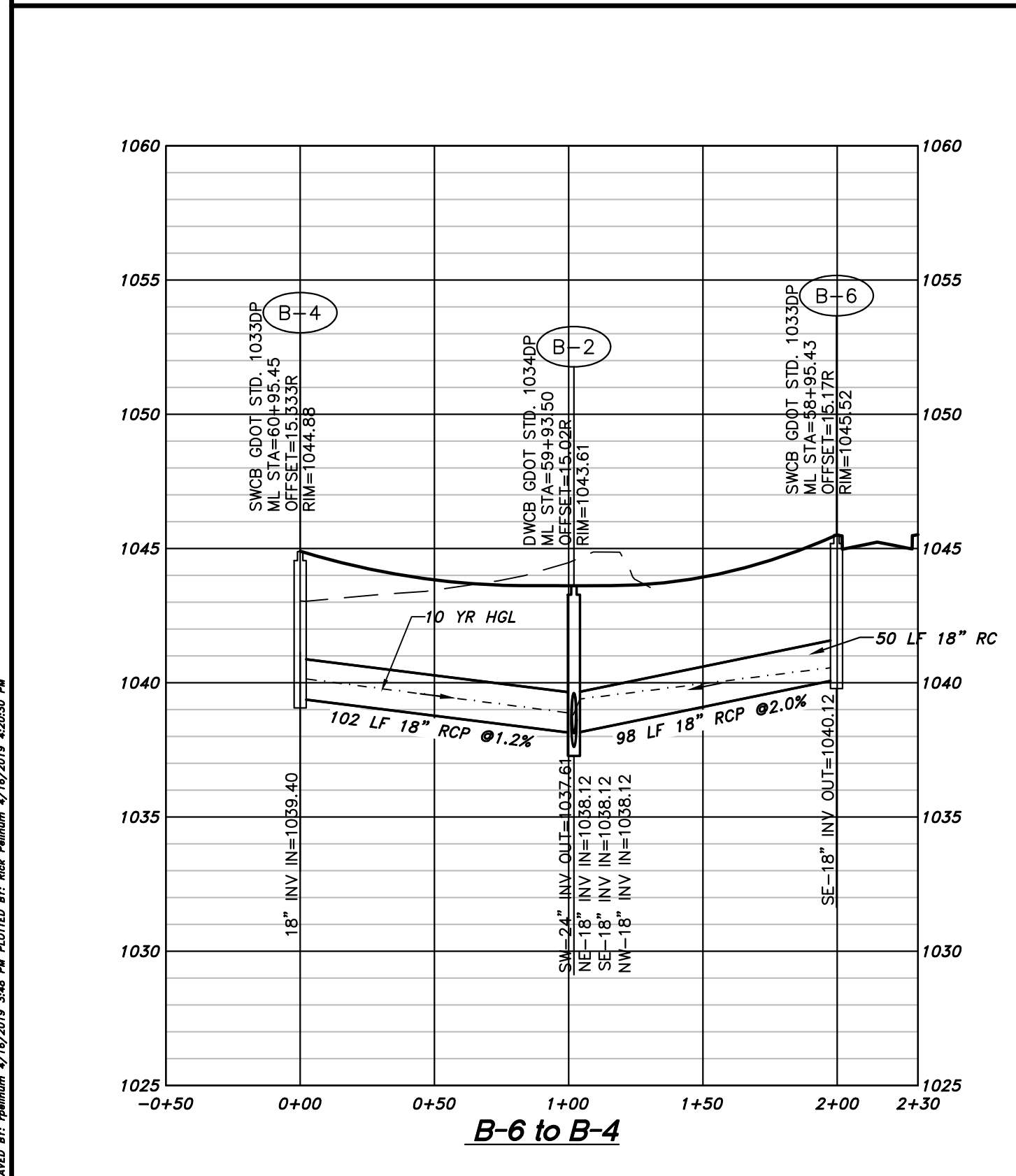
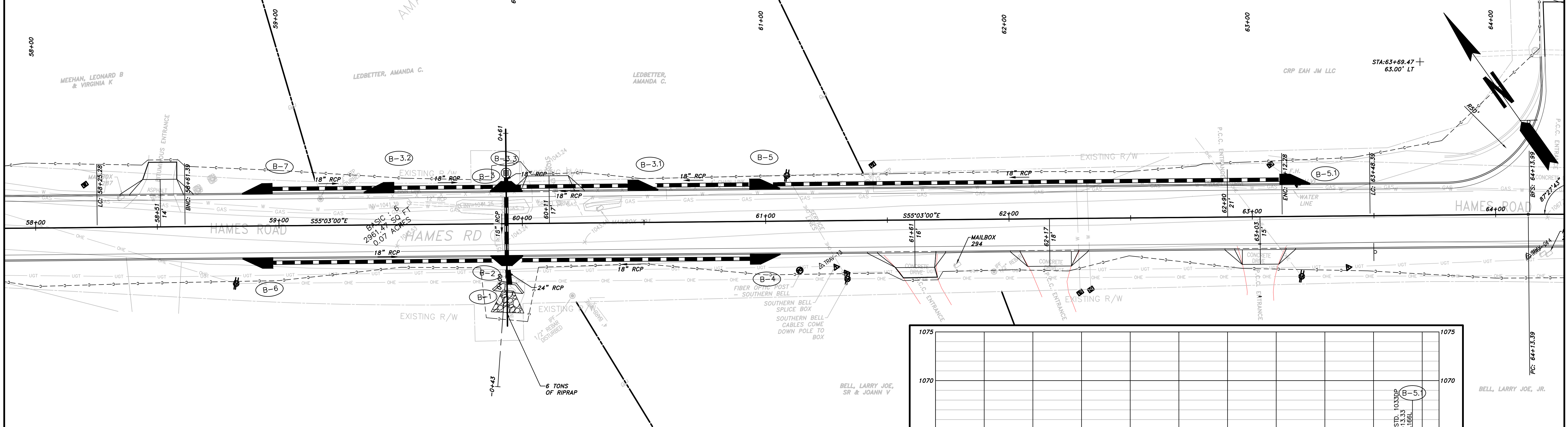
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LIMIT OF ACCESS	
REQ'D R/W & LIMIT OF ACCESS	
PROPOSED 5' WIDE CONC. SIDEWALK	

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REVISION DATES

CHEROKEE COUNTY
 DEPARTMENT OF TRANSPORTATION
 OFFICE: DRAINAGE PLAN & PROFILE
 HAMES ROAD
 DRAWING No. 22-07

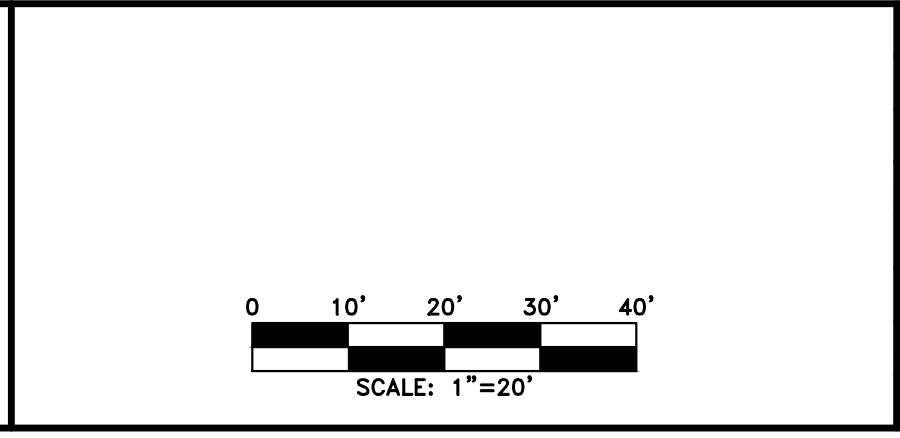


PROPERTY AND EXISTING R/W LINE	
REQUIRED R/W LINE	
CONSTRUCTION LIMITS	
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES	
EASEMENT FOR CONSTR OF SLOPES	
EASEMENT FOR CONSTR OF DRIVES	

BEGIN LIMIT OF ACCESS.....BLA
 END LIMIT OF ACCESS.....ELA
 LIMIT OF ACCESS
 REQ'D R/W & LIMIT OF ACCESS

PROPOSED 5' WIDE CONC. SIDEWALK

ATWELL
 866.850.4200 www.atwell-group.com
 1800 PARKWAY PLACE, SUITE 700
 MARIETTA, GA 30067

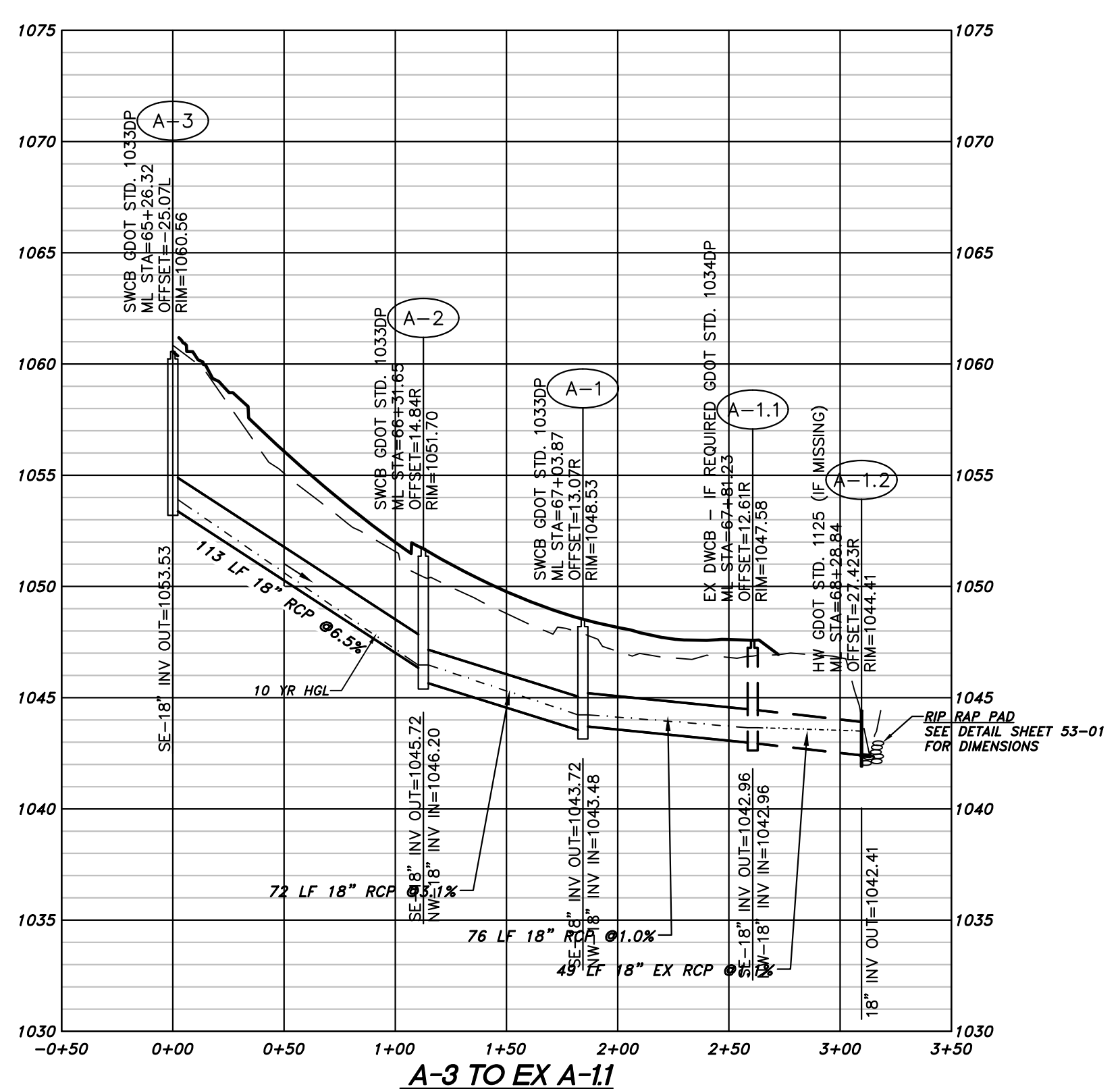
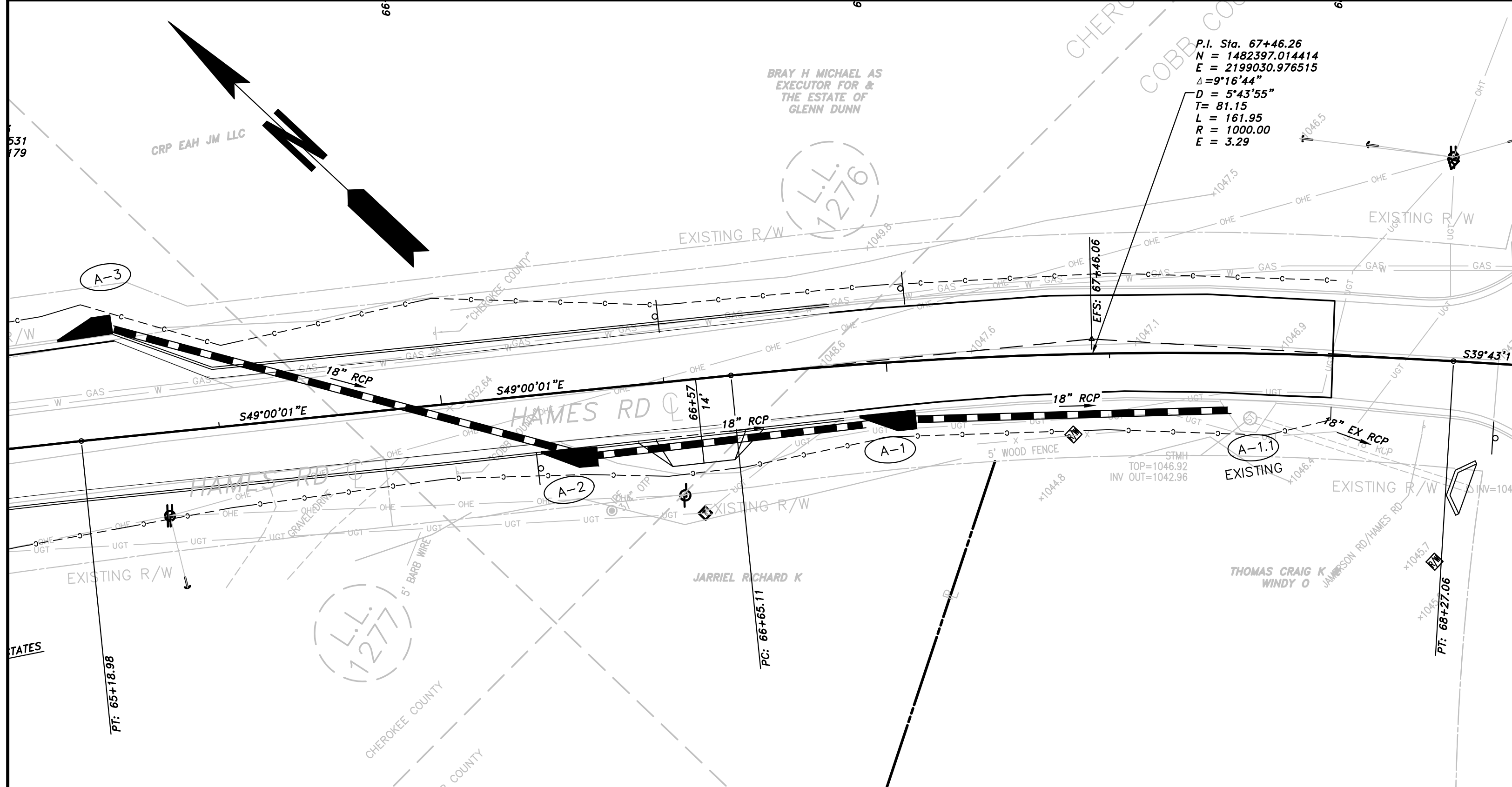


REVISION	DATE	DESCRIPTION

CHEROKEE COUNTY
 DEPARTMENT OF TRANSPORTATION
 OFFICE:
 DRAINAGE PLAN & PROFILE

HAMES ROAD

DRAWING No.
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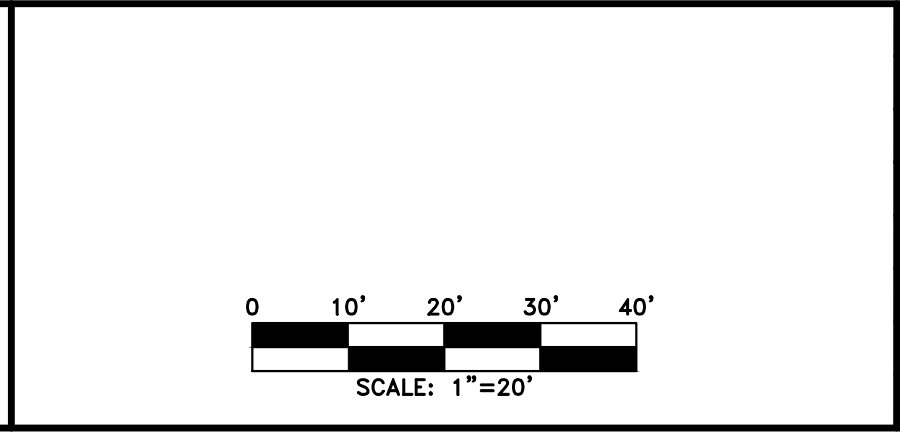


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PROPERTY AND EXISTING R/W LINE	
REQUIRED R/W LINE	
CONSTRUCTION LIMITS	
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES	
EASEMENT FOR CONSTR OF SLOPES	
EASEMENT FOR CONSTR OF DRIVES	

BEGIN LIMIT OF ACCESS.....BLA	
END LIMIT OF ACCESS.....ELA	
LIMIT OF ACCESS	
REQ'D R/W & LIMIT OF ACCESS	
PROPOSED 5' WIDE CONC. SIDEWALK	

ATWELL
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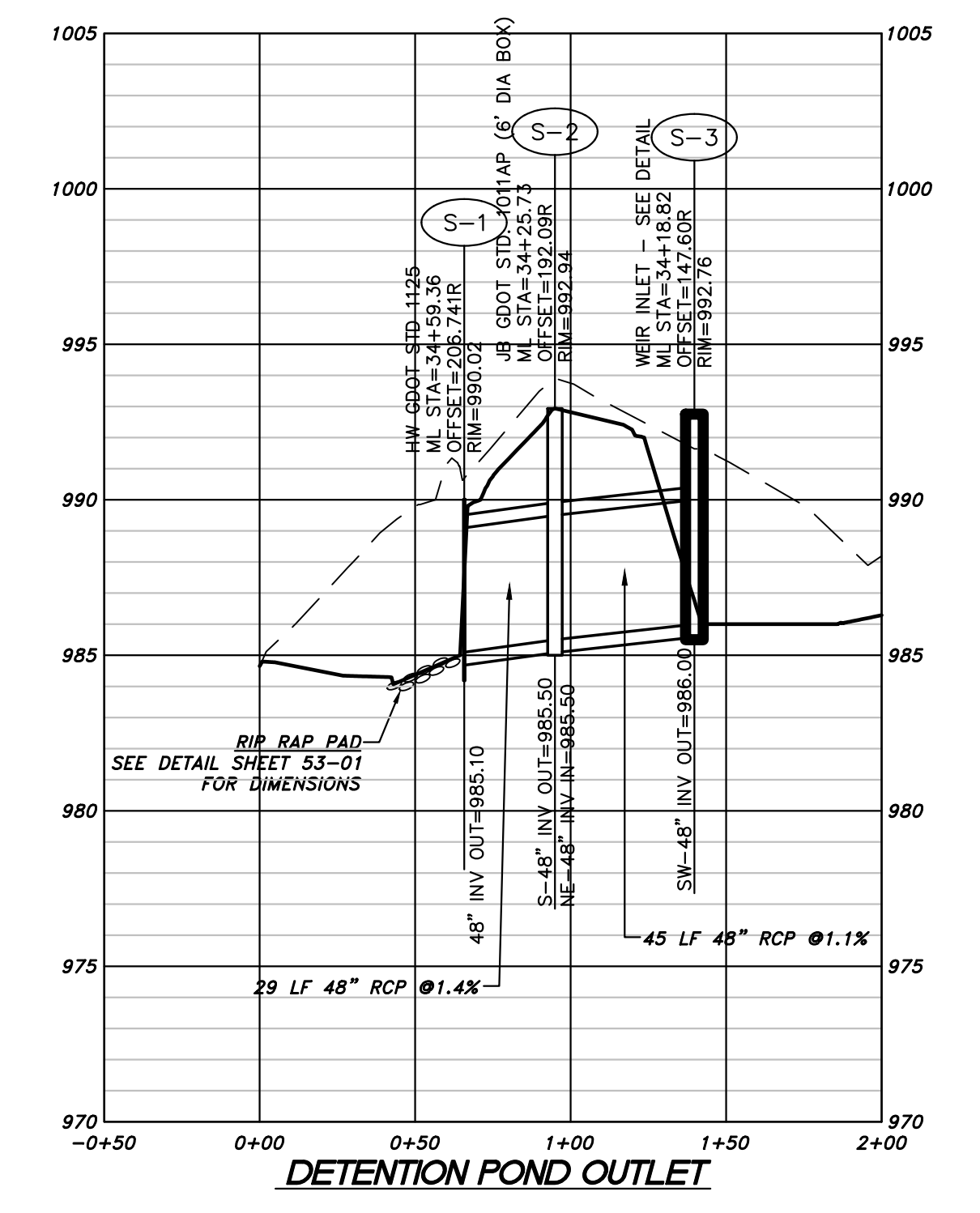
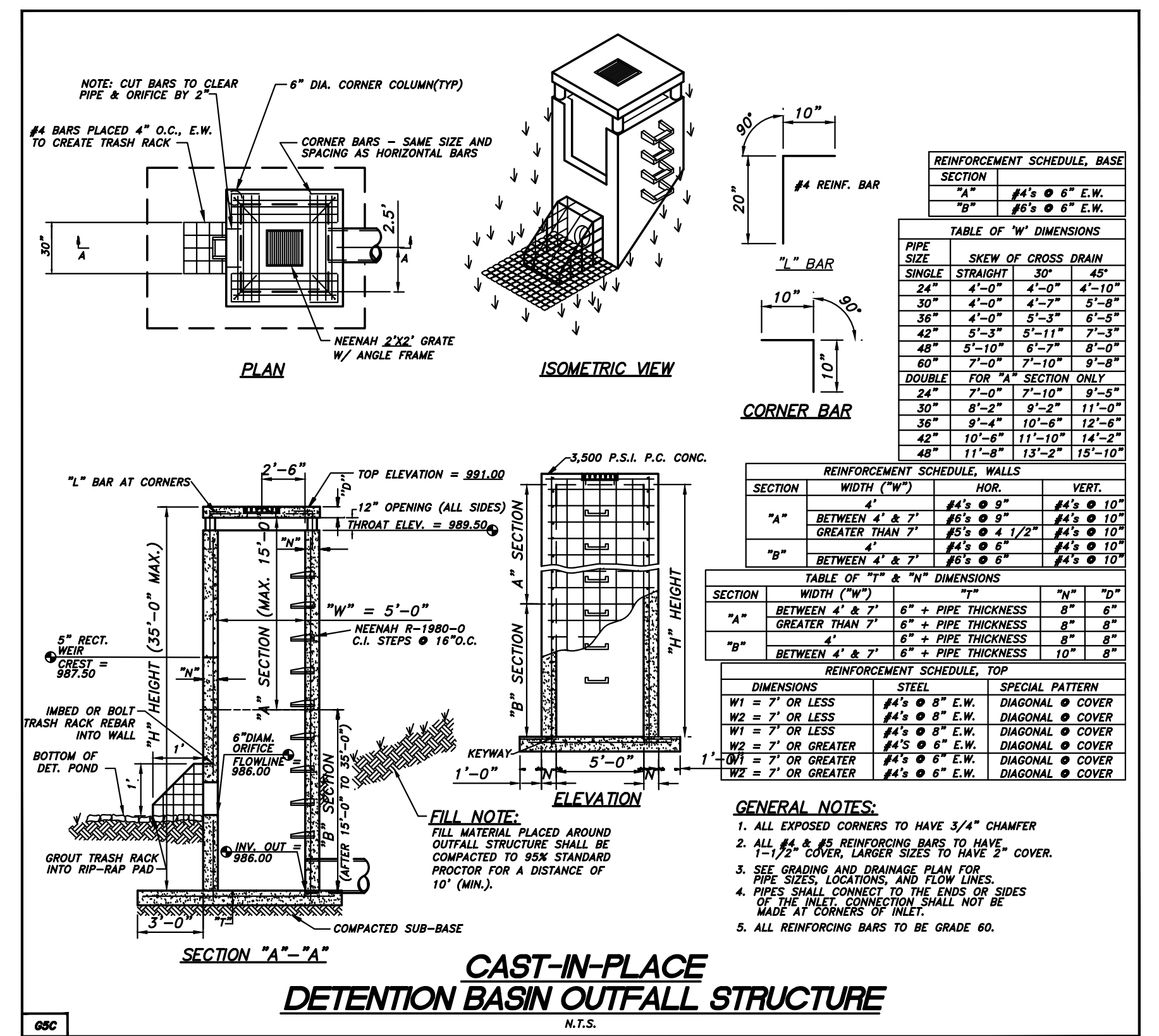
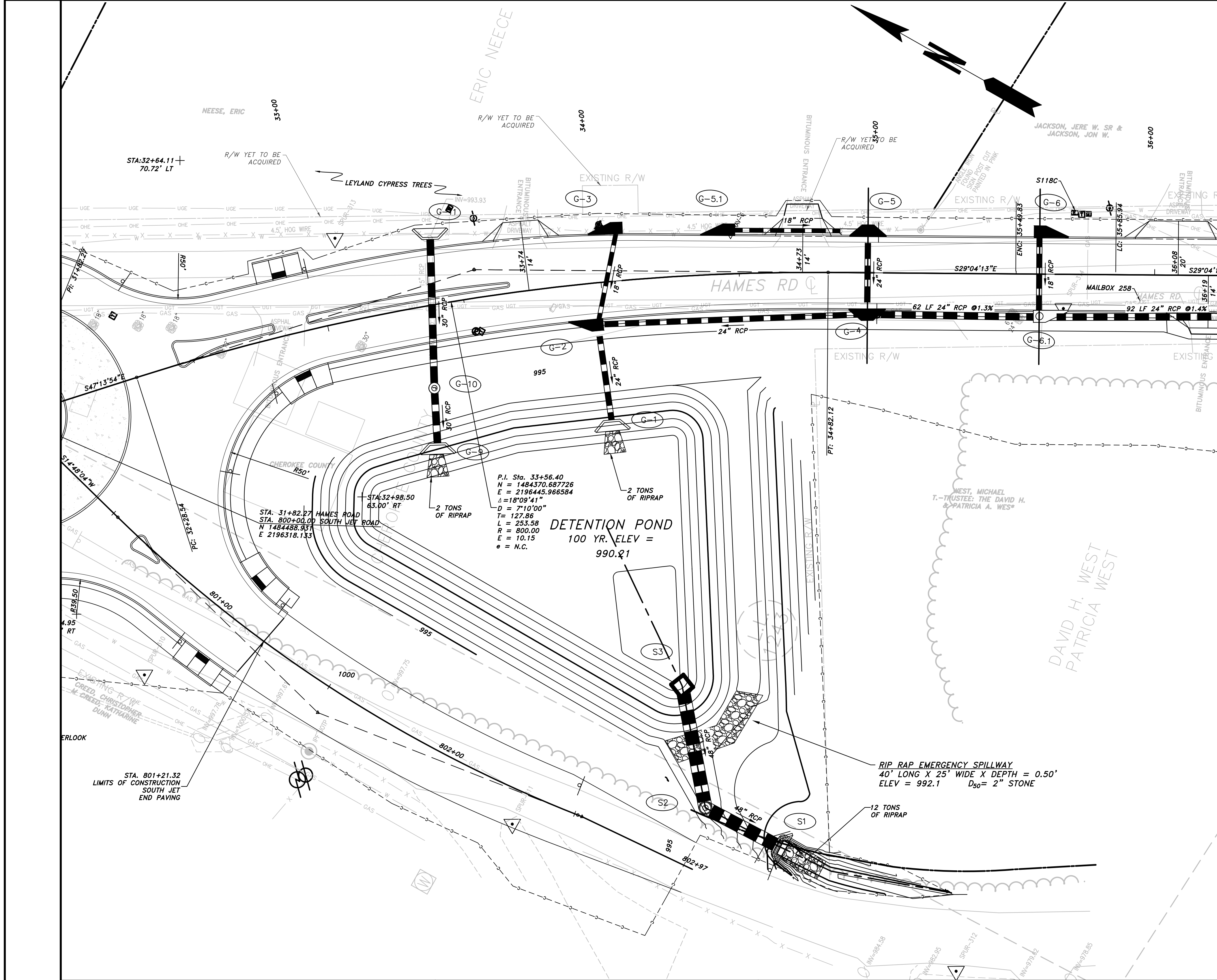


REVISION DATES		

CHEROKEE COUNTY
 DEPARTMENT OF TRANSPORTATION
 OFFICE:
 DRAINAGE PLAN & PROFILE

HAMES ROAD

DRAWING No.
22-09



PROPERTY AND EXISTING R/W LINE
 REQUIRED R/W LINE
 CONSTRUCTION LIMITS
 EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
 EASEMENT FOR CONSTR OF SLOPES
 EASEMENT FOR CONSTR OF DRIVES

	— P —
	— F —
	— G —

BEGIN LIMIT OF ACCESS.....BLA
 END LIMIT OF ACCESS.....ELA
 LIMIT OF ACCESS
 REQ'D R/W & LIMIT OF ACCESS

PROPOSED 5' WIDE CONC. SIDEWALK

ATWELL
 866.850.4200 www.atwell-group.com
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REVISION DATES

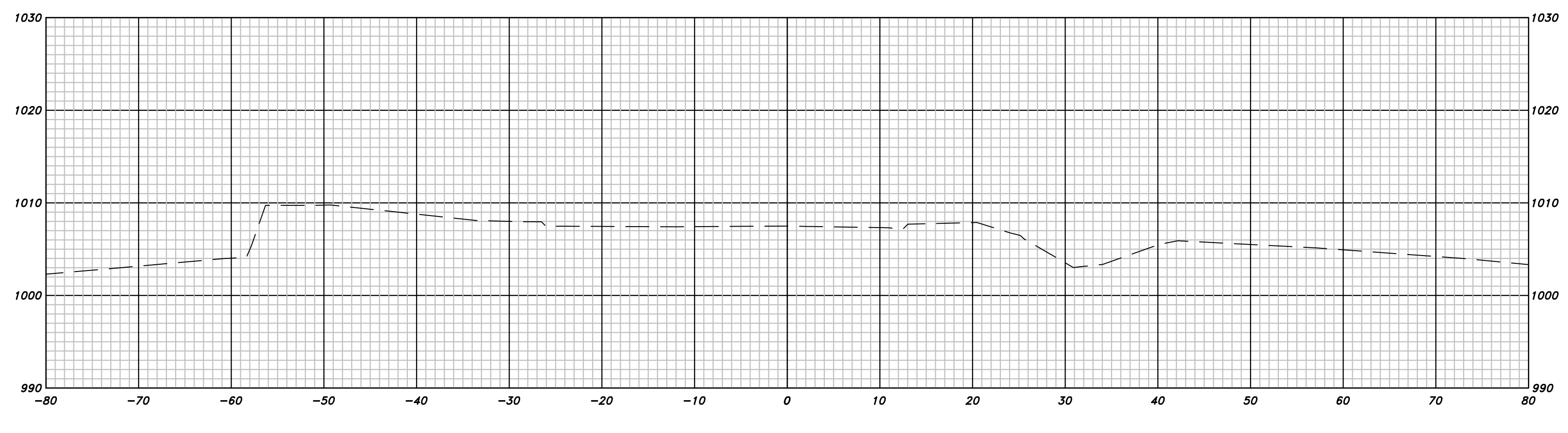
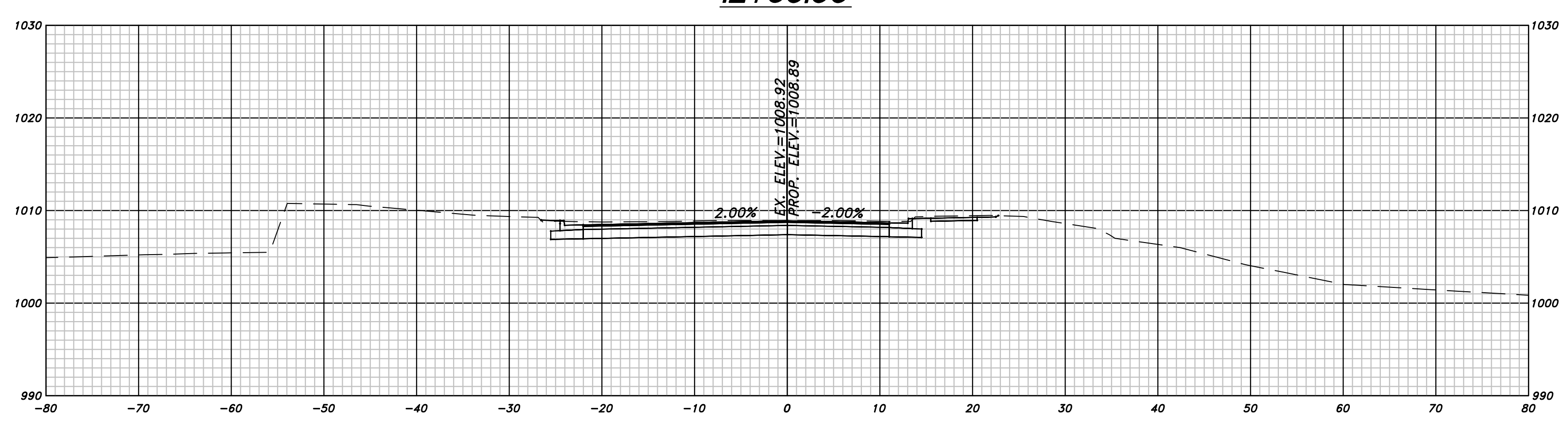
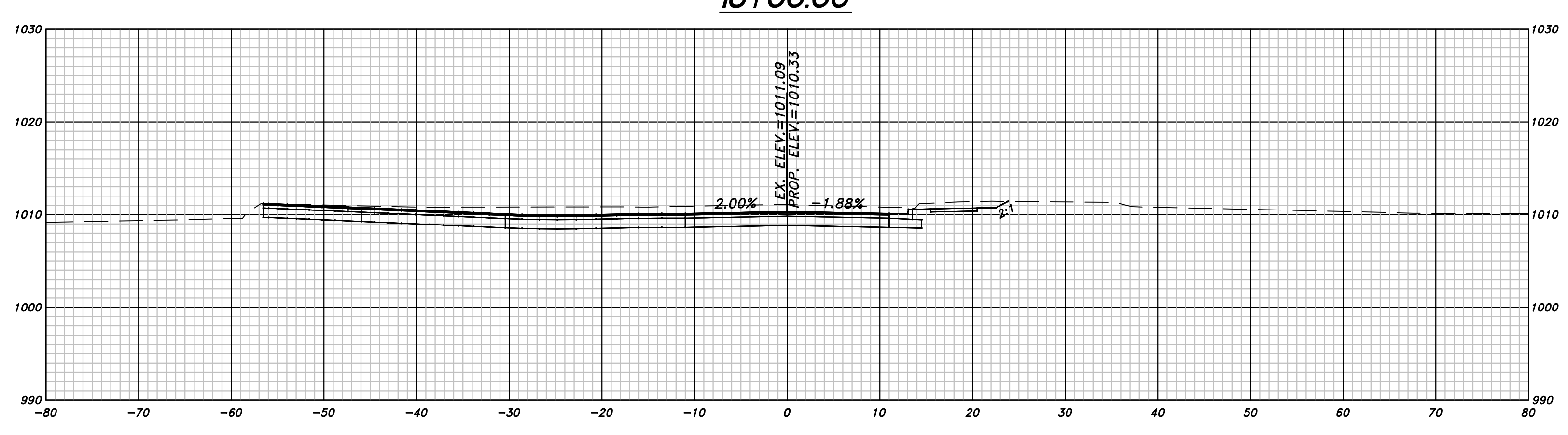
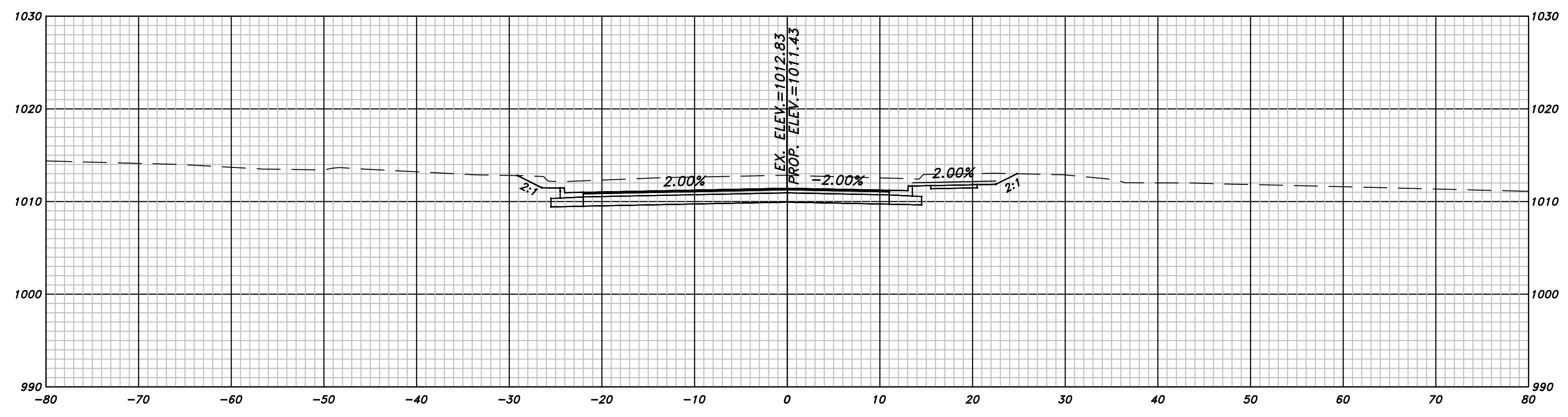
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CHEROKEE COUNTY
 DEPARTMENT OF TRANSPORTATION
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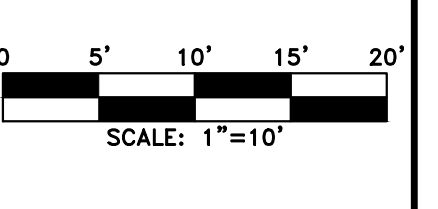
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DRAWING No.
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 BEGIN CONSTRUCTION



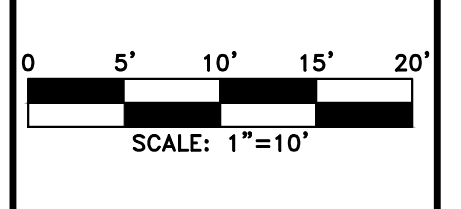
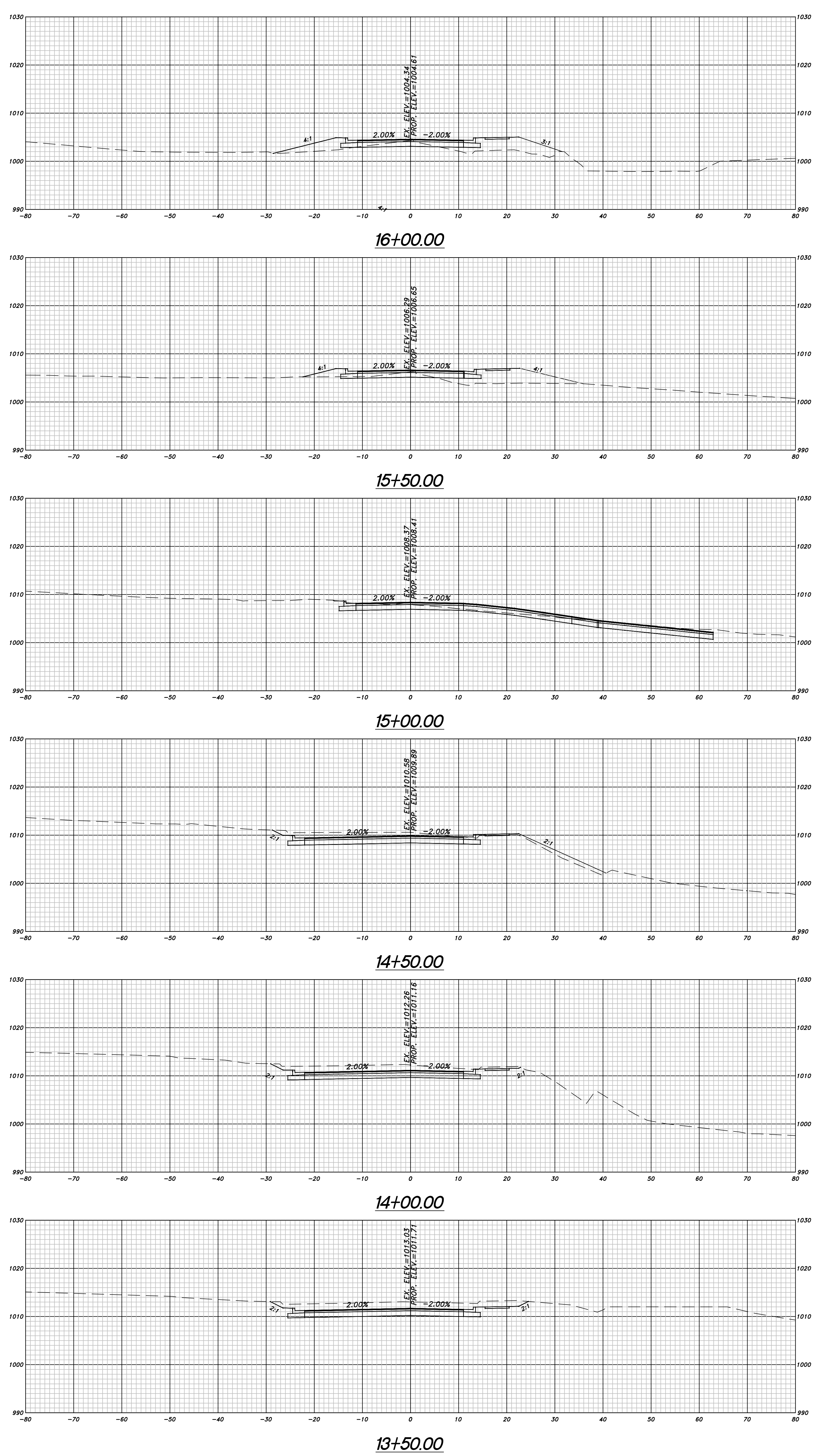
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CHEROKEE COUNTY
 DEPARTMENT OF TRANSPORTATION

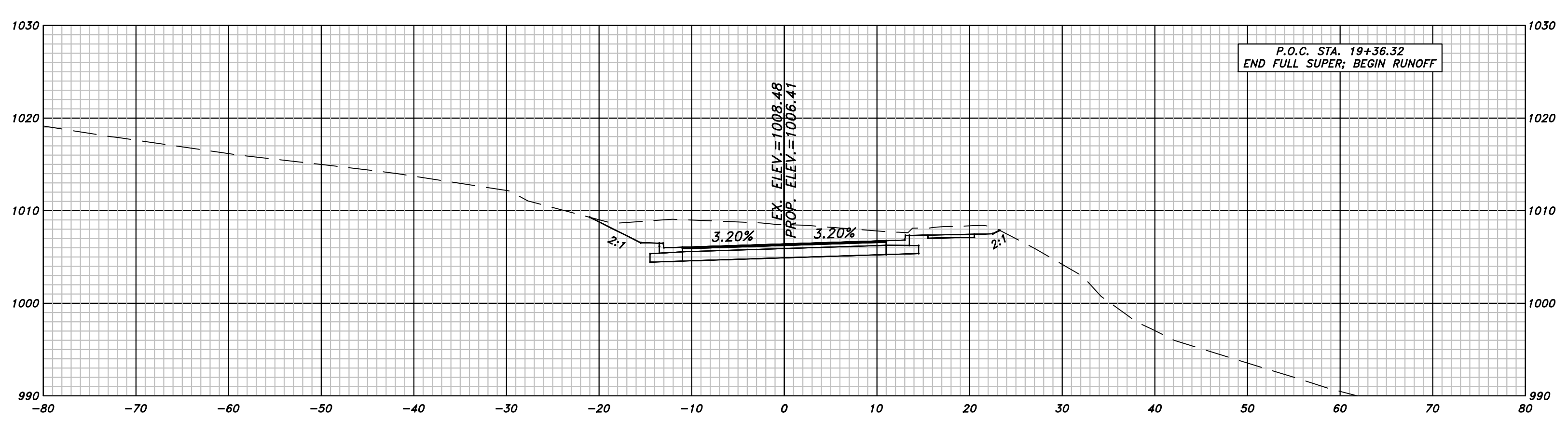
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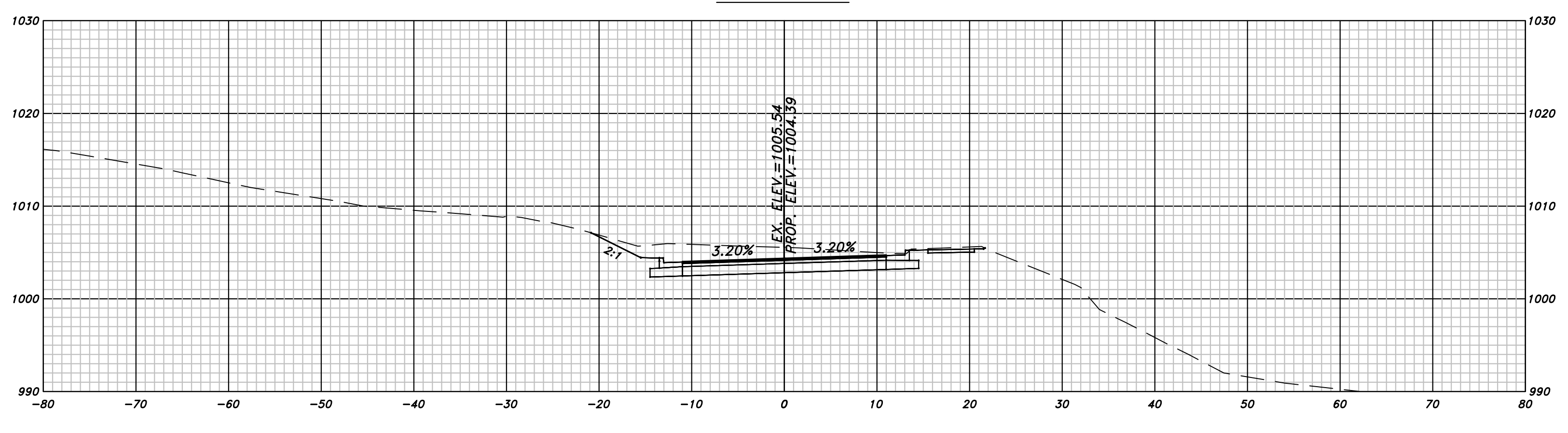
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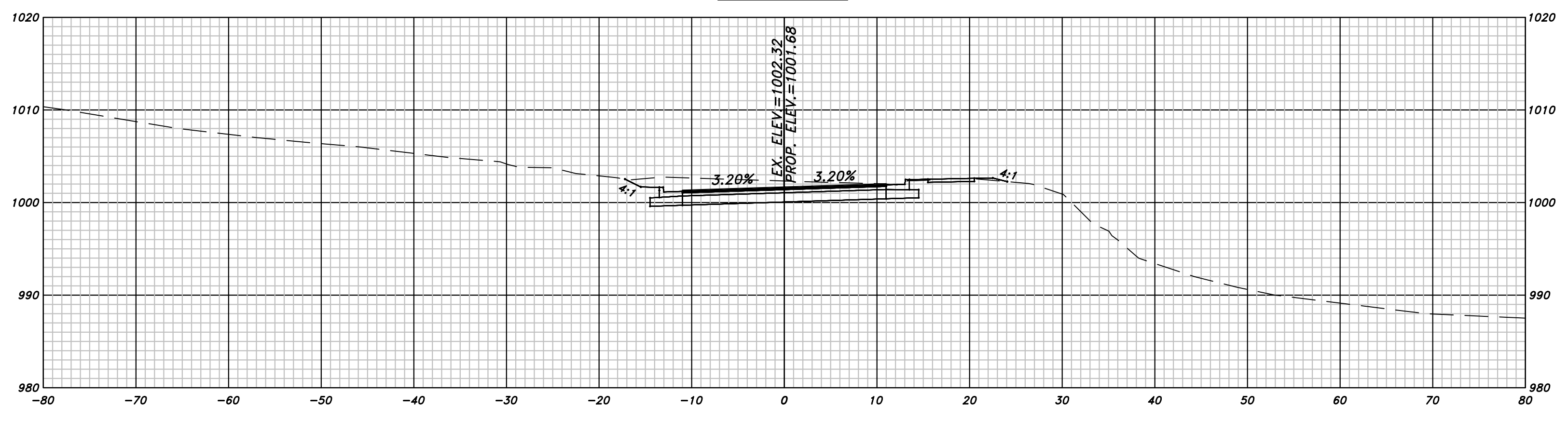
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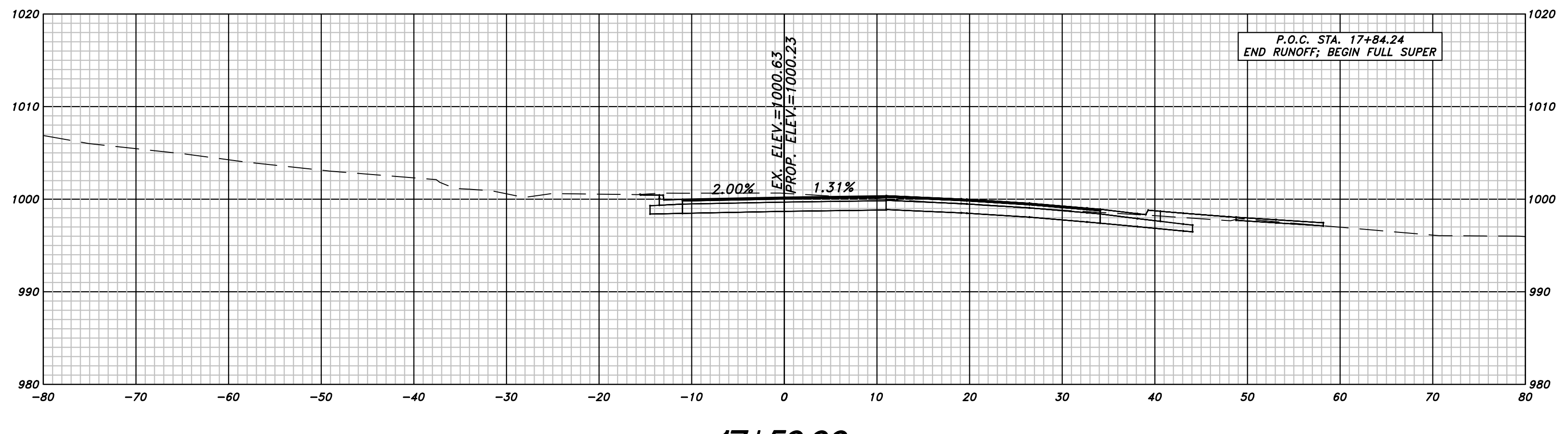
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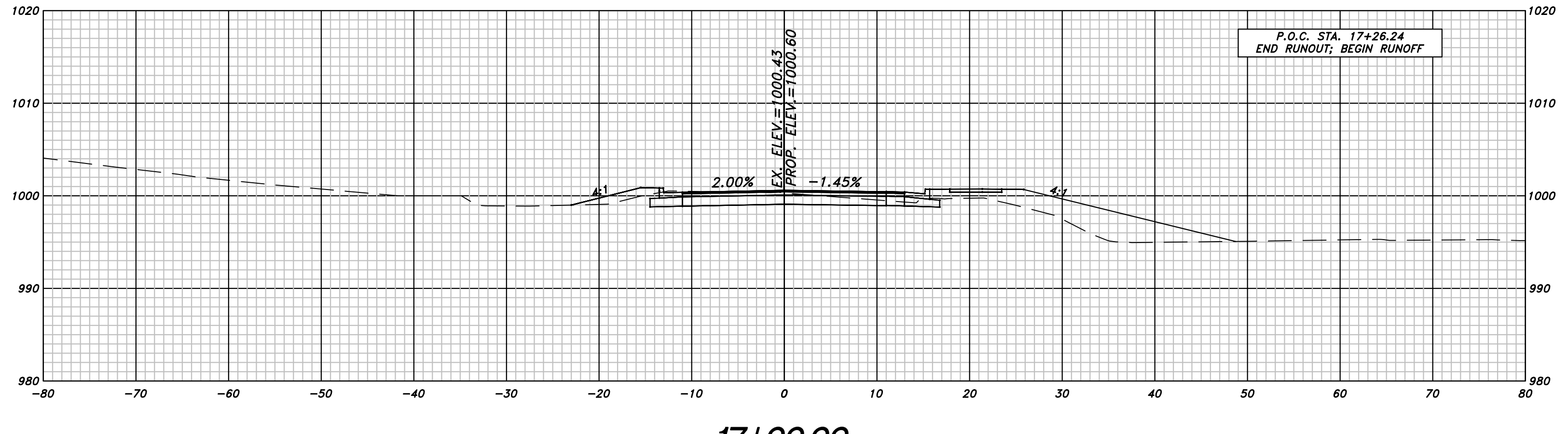
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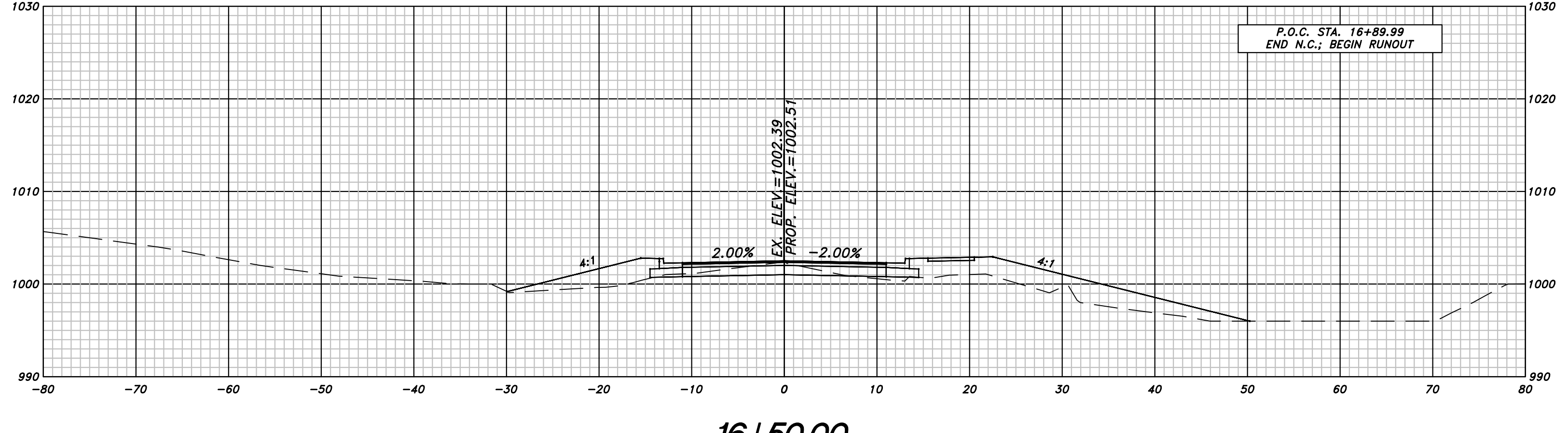
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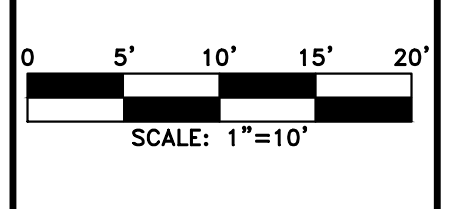
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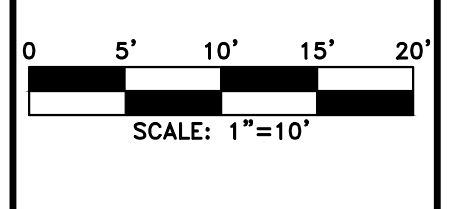
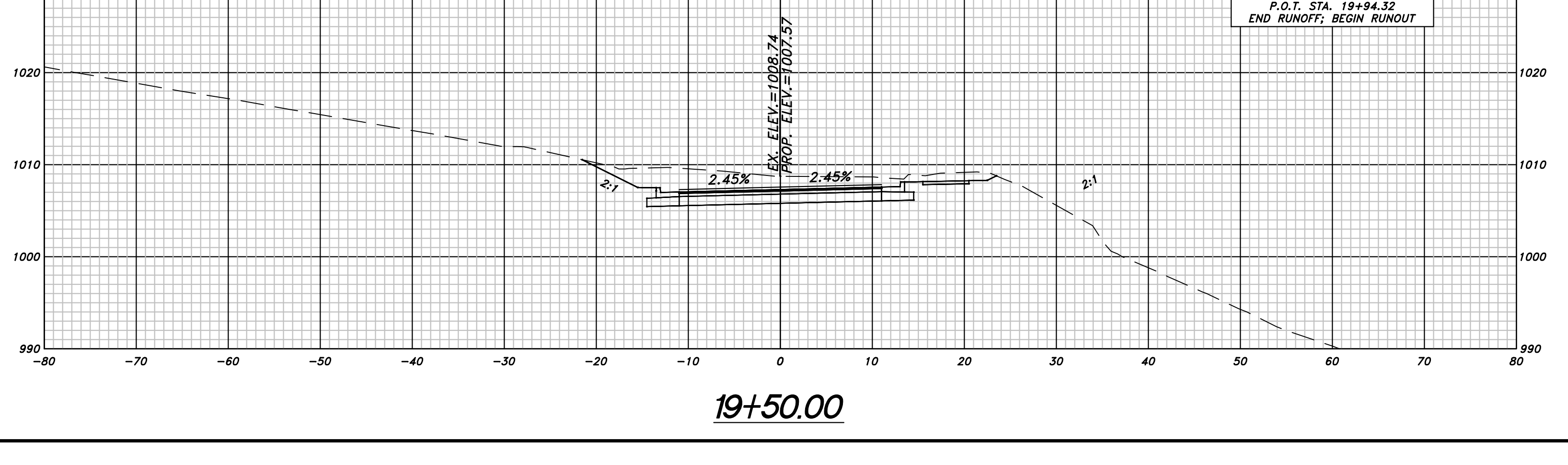
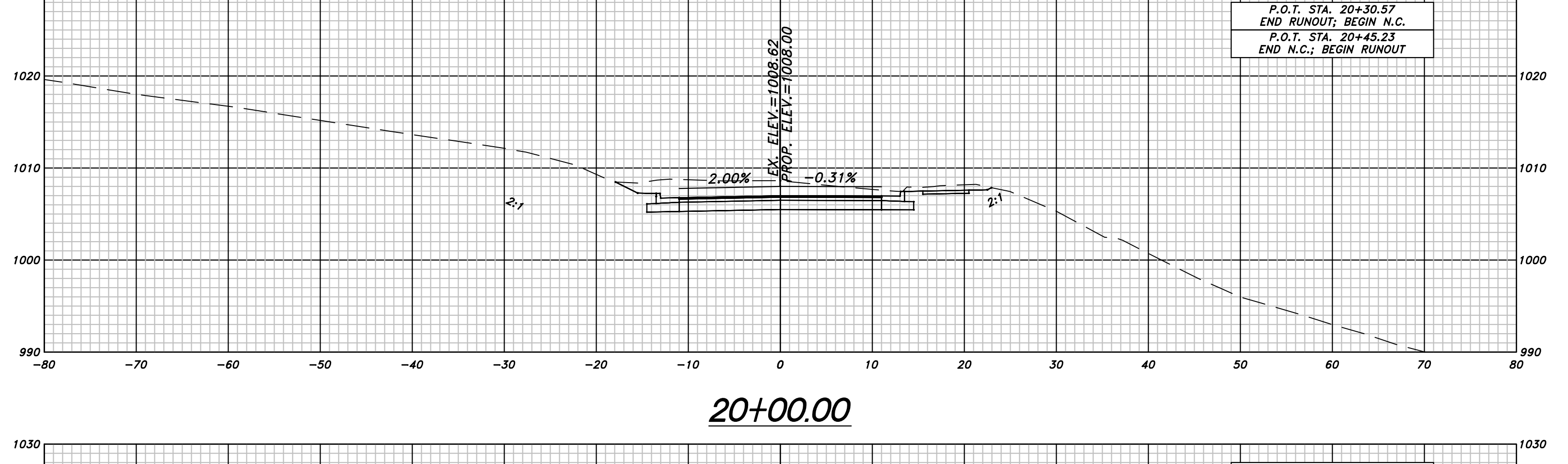
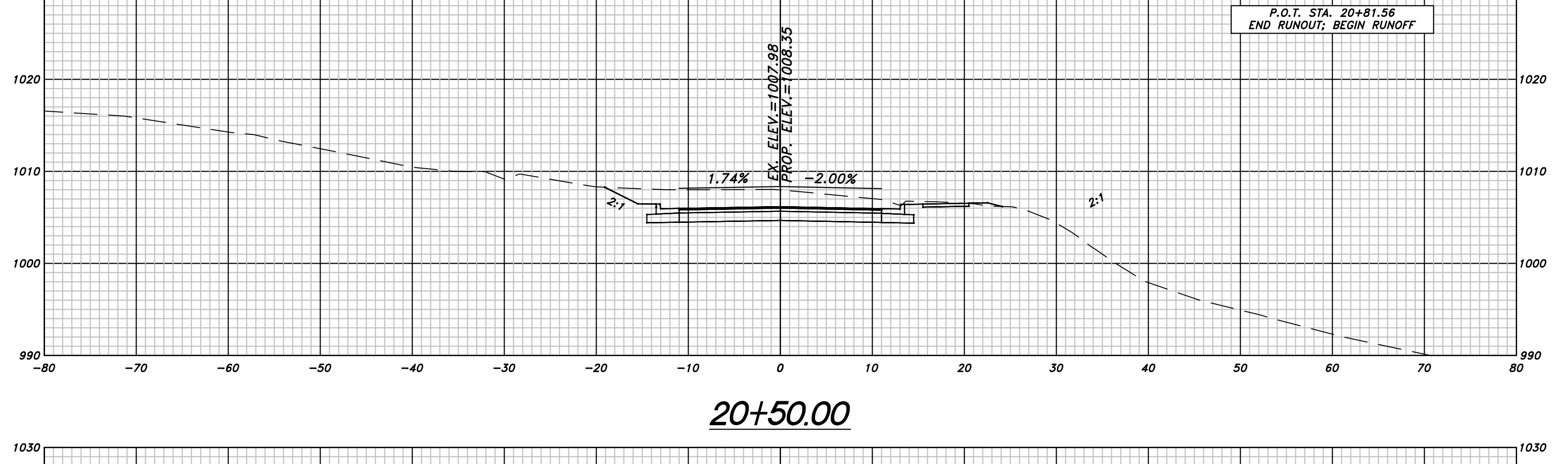
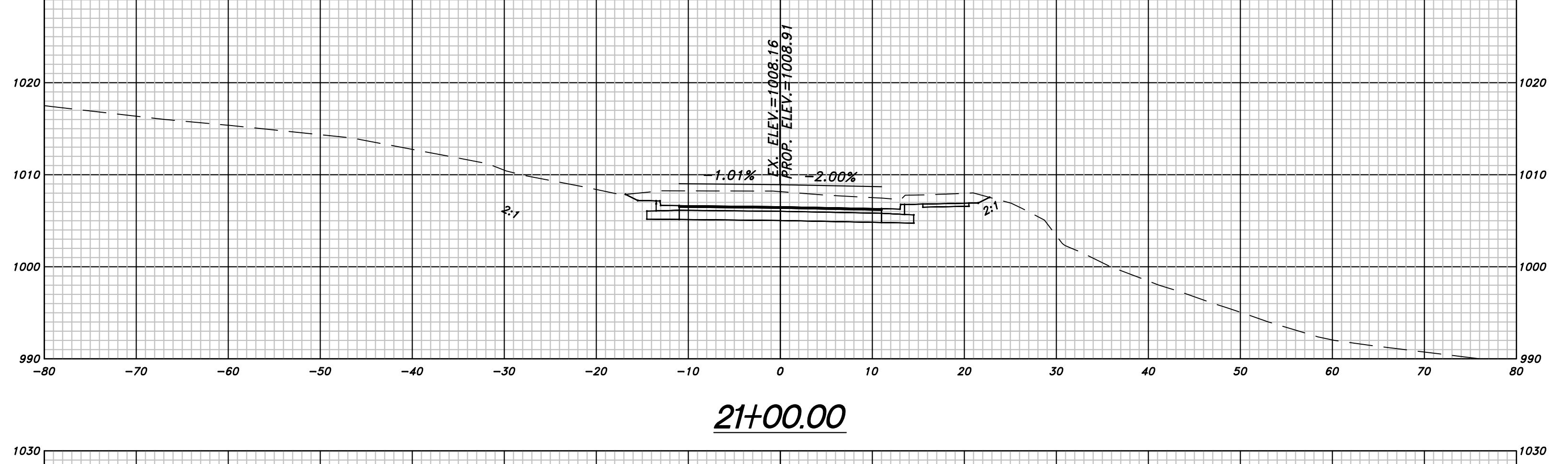
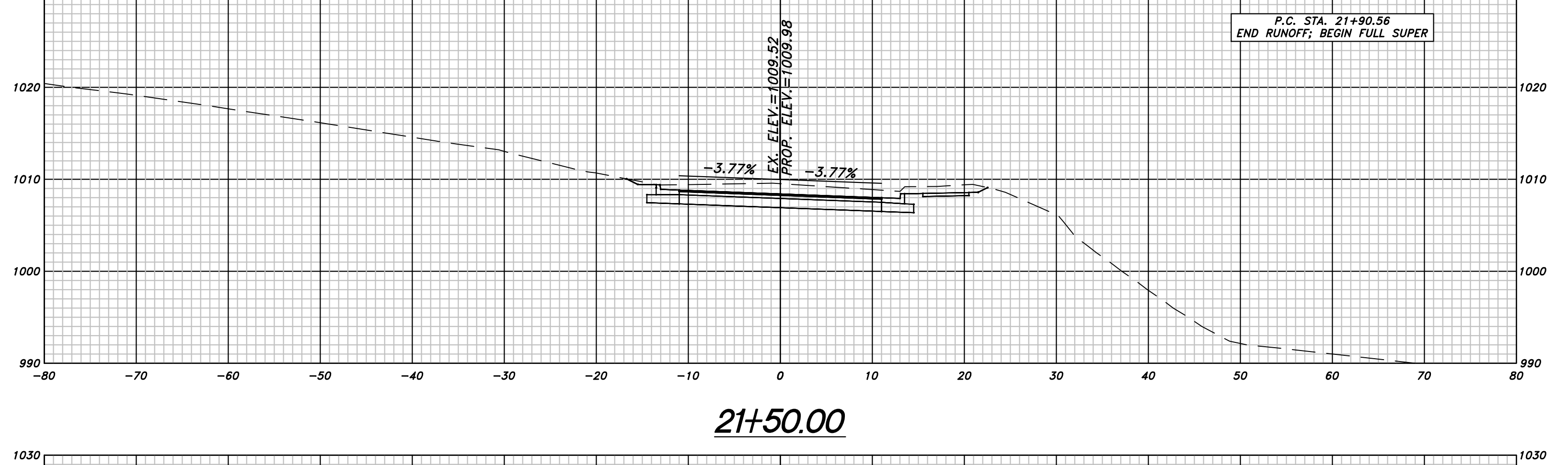
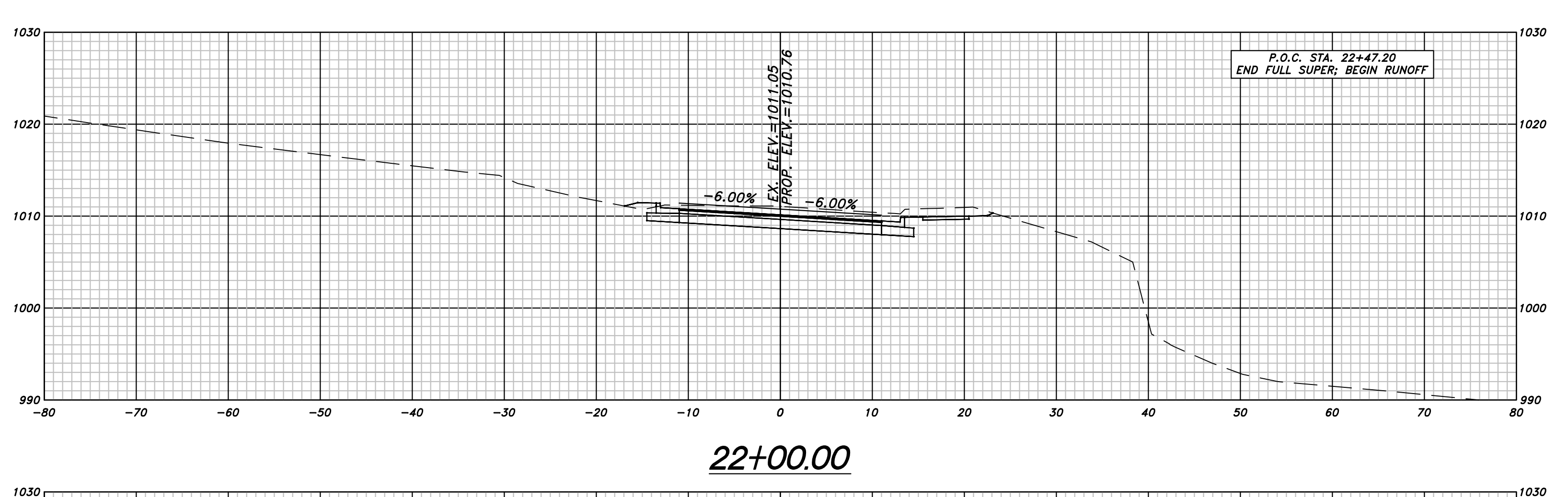
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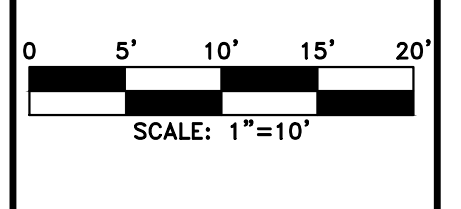
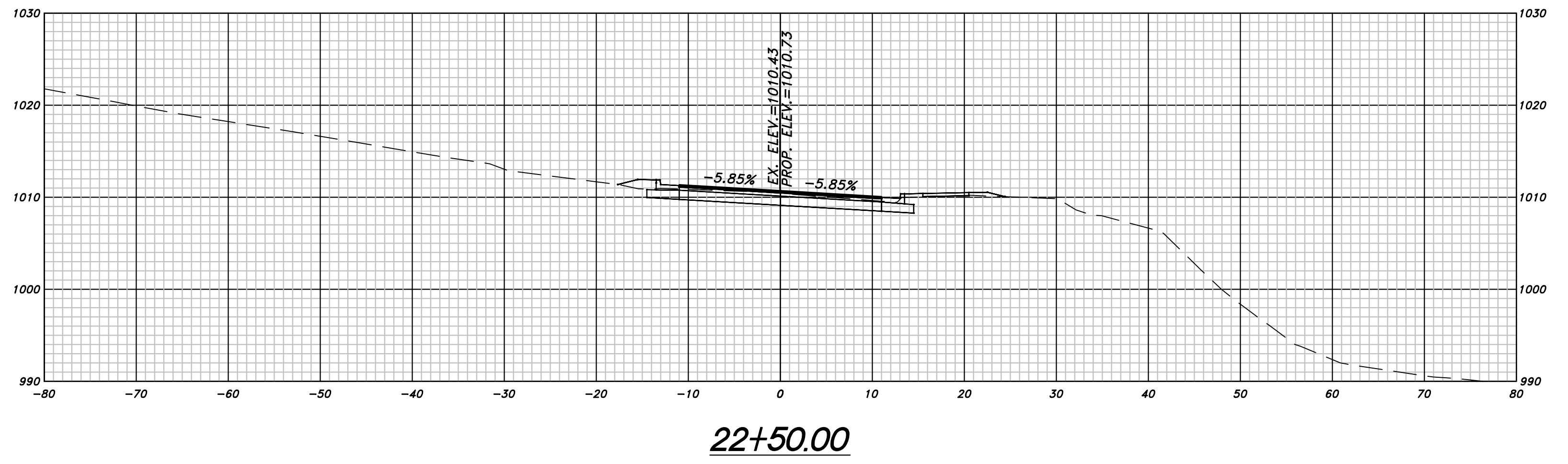
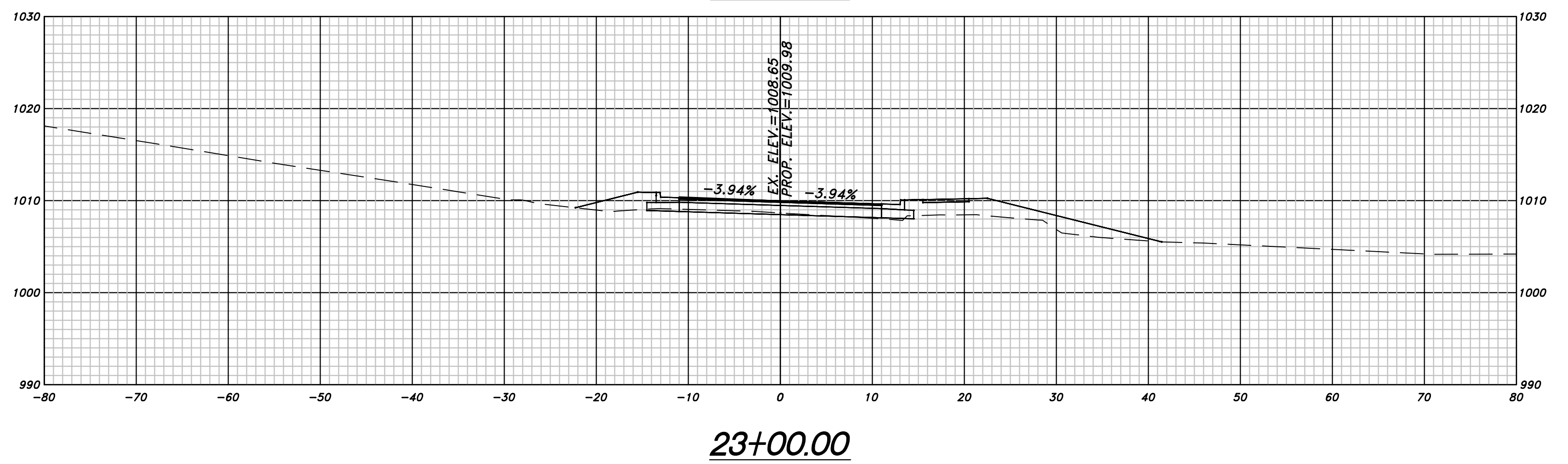
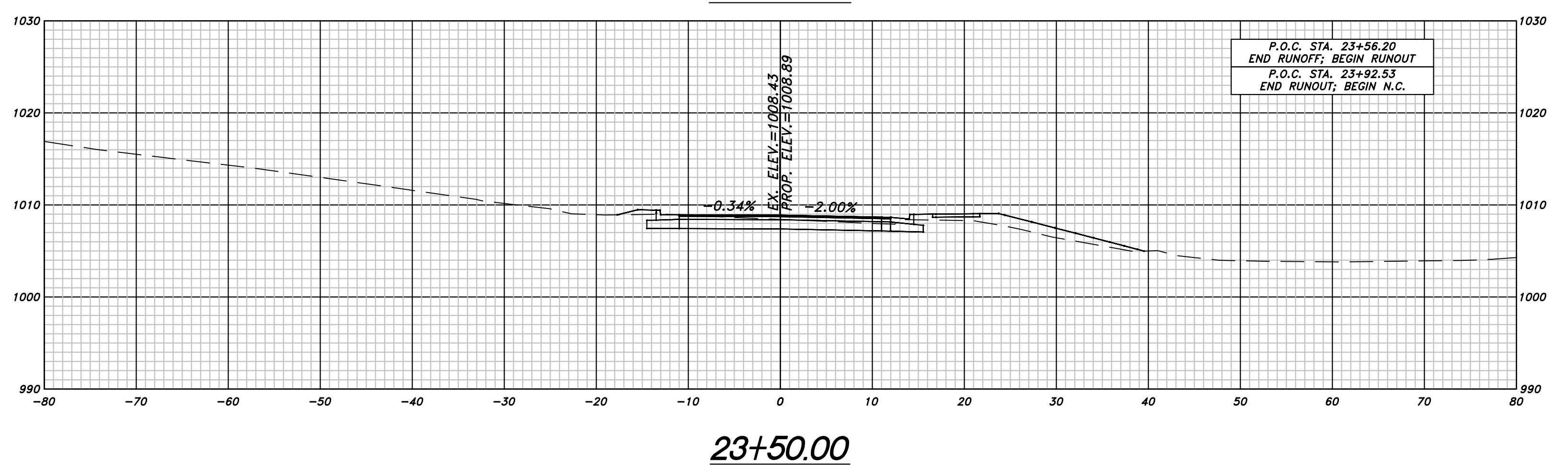
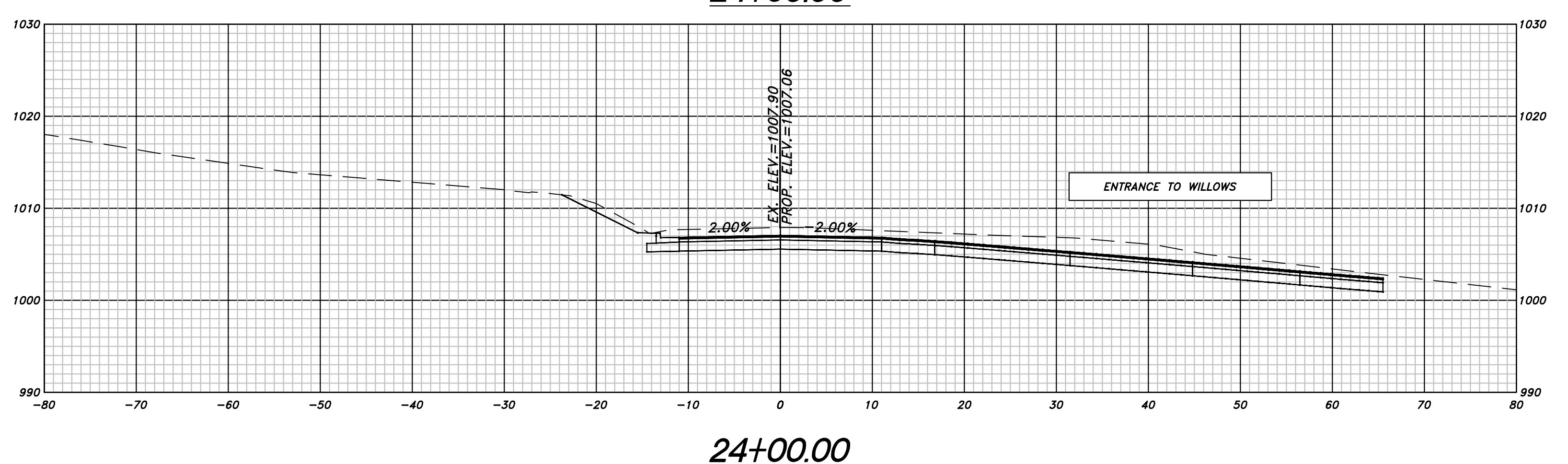
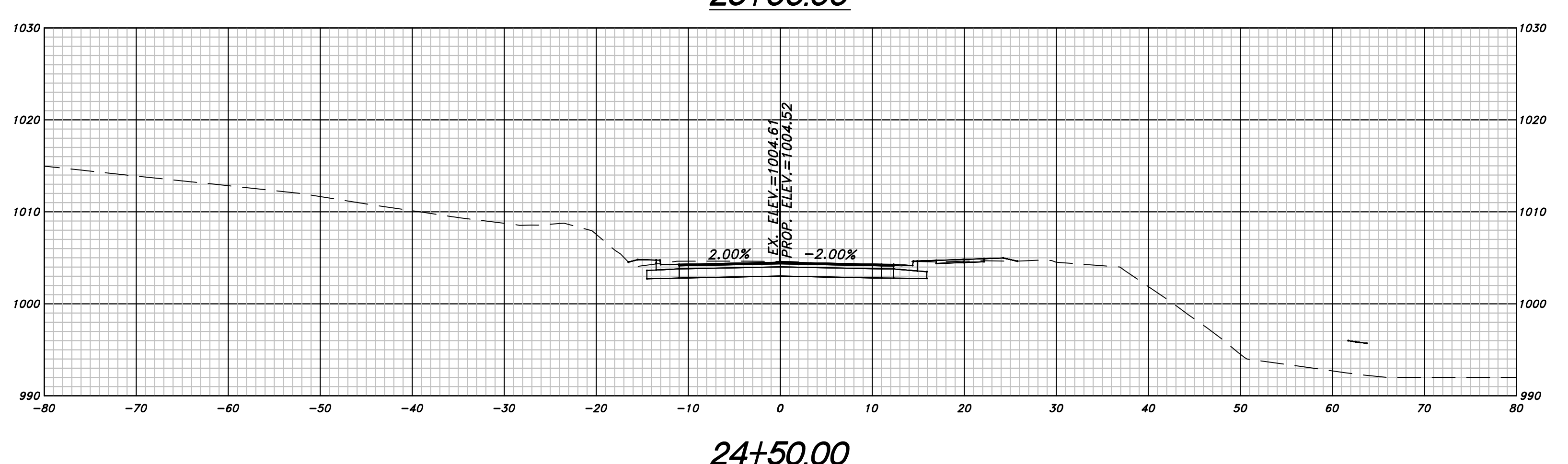
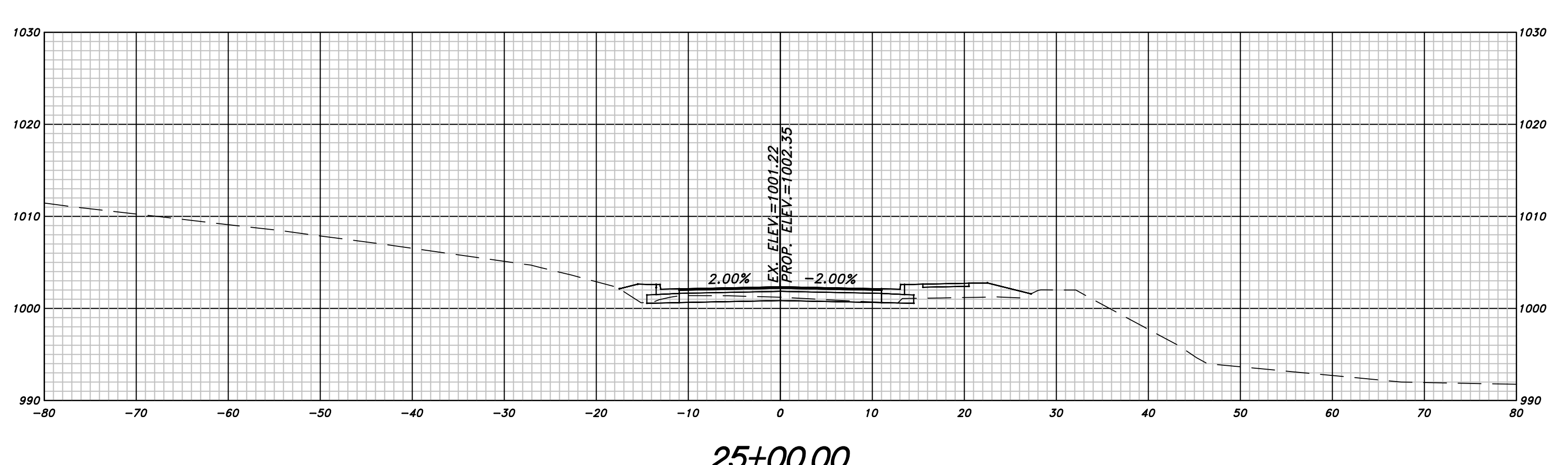


REVISION DATES	OFFICE:
	CHEROKEE COUNTY DEPARTMENT OF TRANSPORTATION
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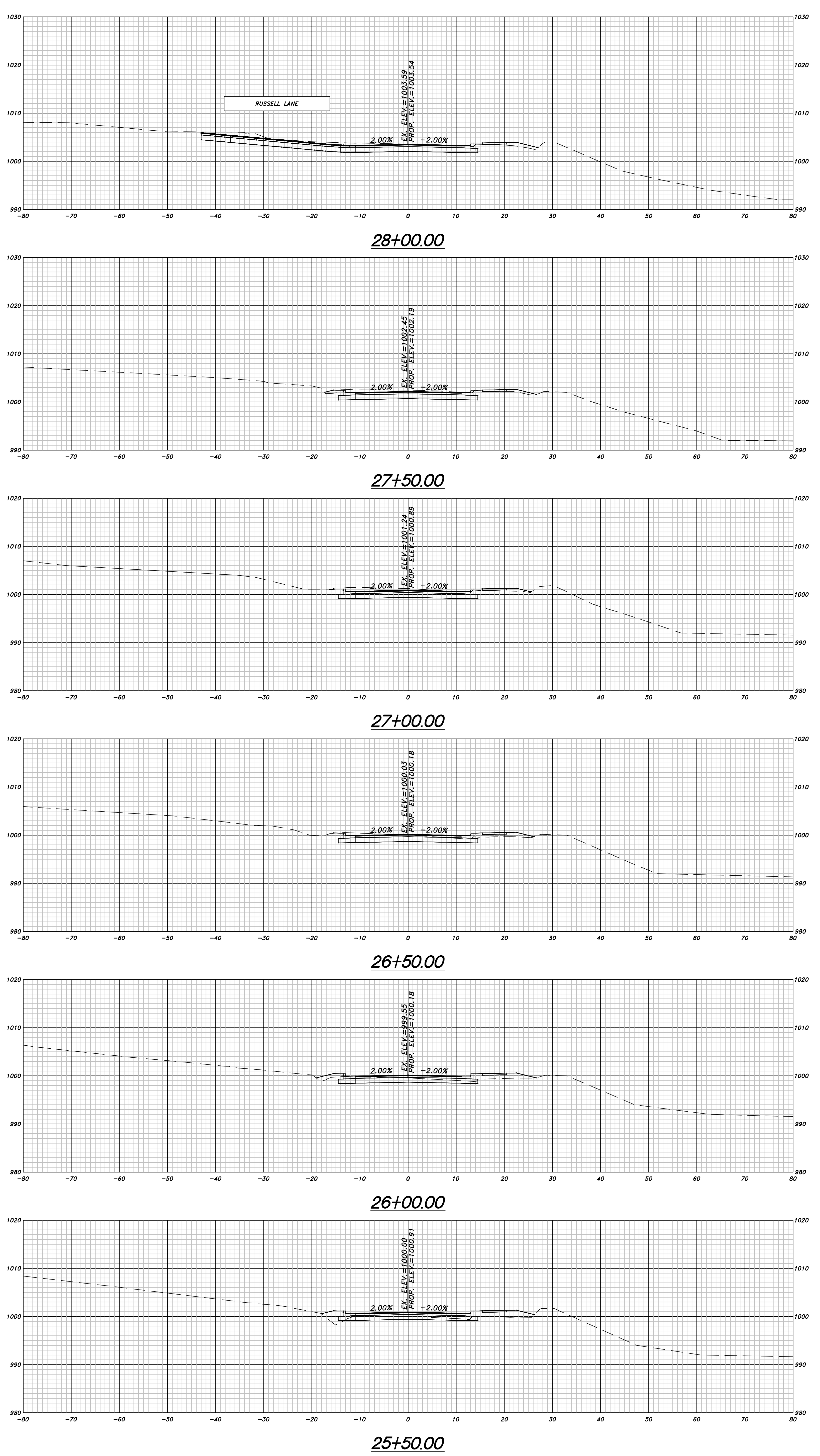


NO.	DATE	BY	REVISION

CHEROKEE COUNTY
 DEPARTMENT OF TRANSPORTATION
 OFFICE:
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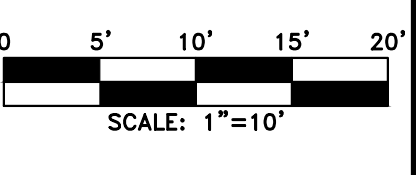


REVISION DATES	OFFICE:
	CHEROKEE COUNTY DEPARTMENT OF TRANSPORTATION
	CROSS SECTIONS
	HAMERS ROAD
	DRAWING No. 23-05





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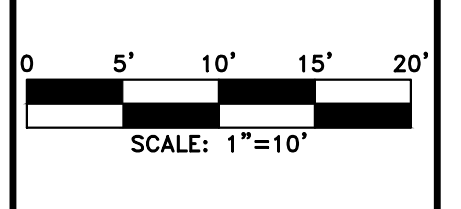
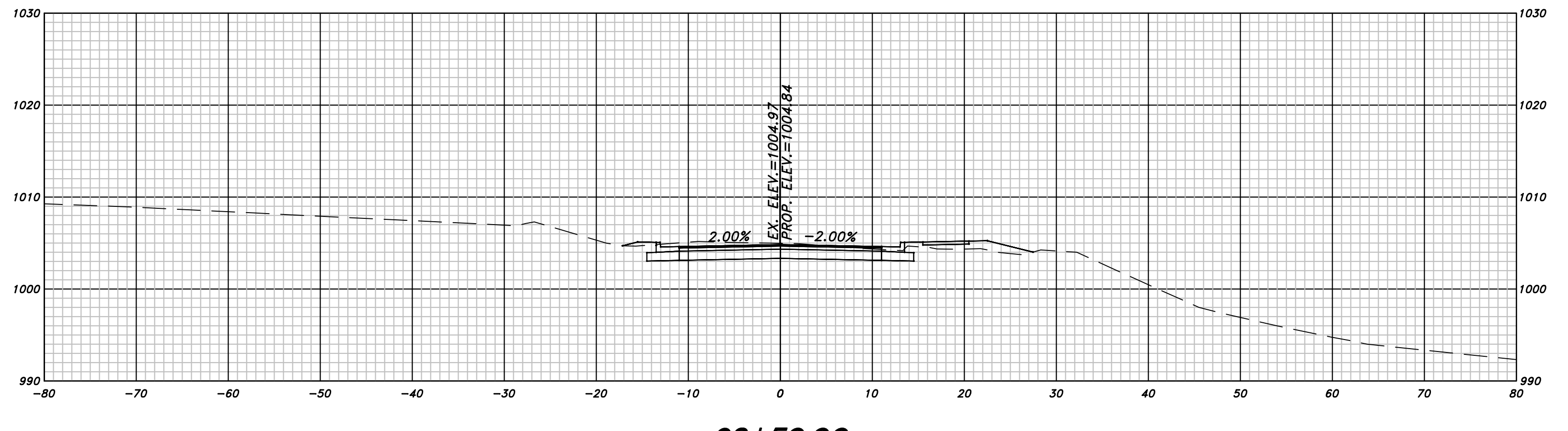
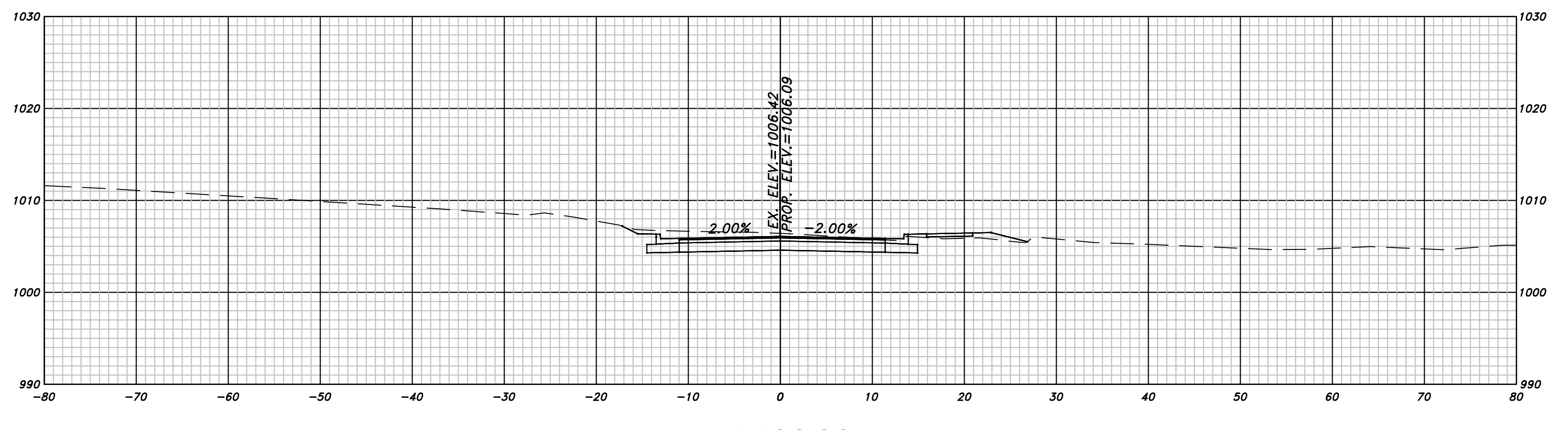
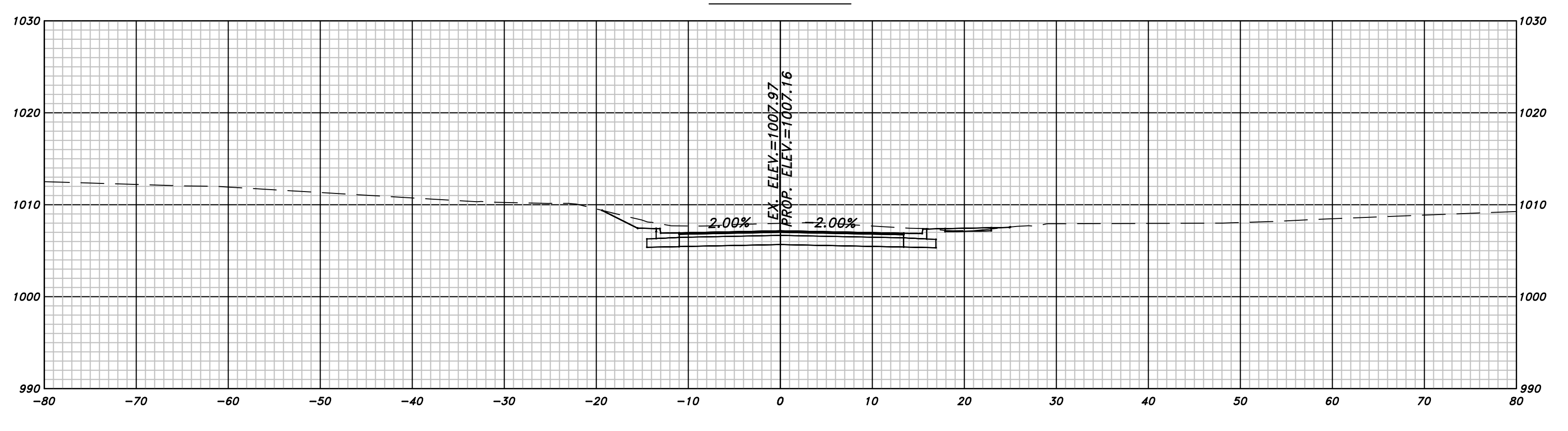
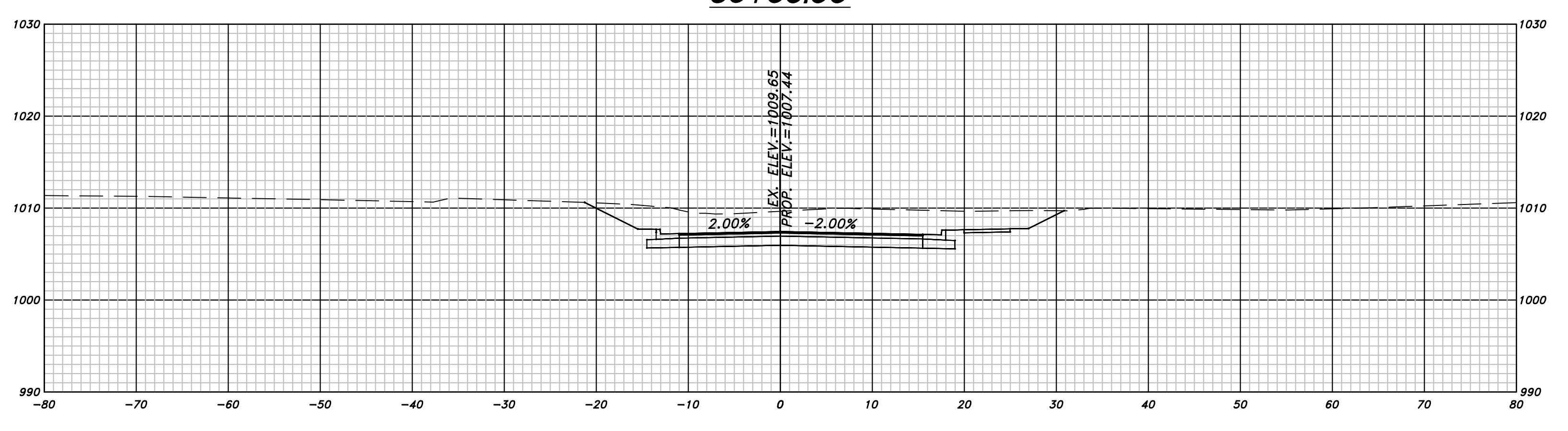
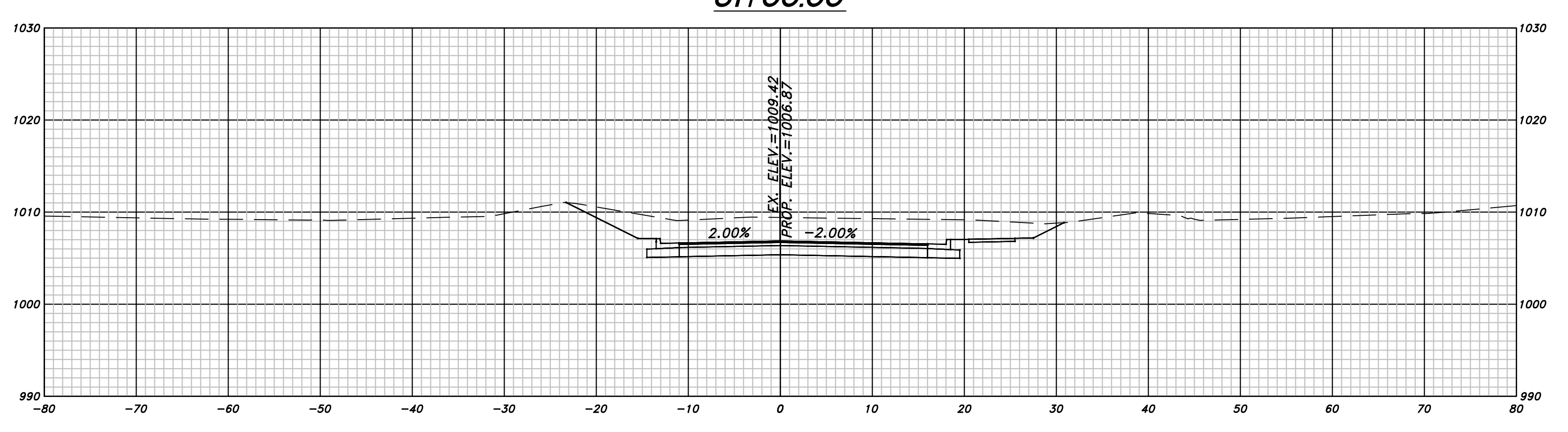
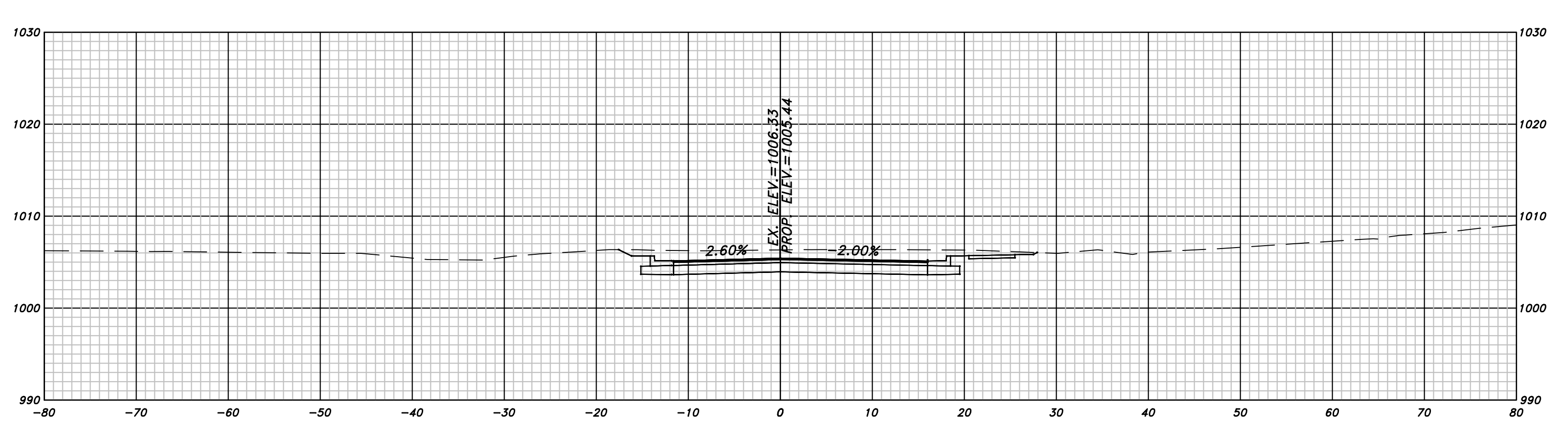
REVISION DATES	

CHEROKEE COUNTY
 DEPARTMENT OF TRANSPORTATION

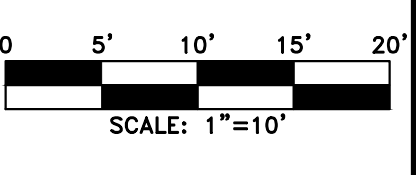
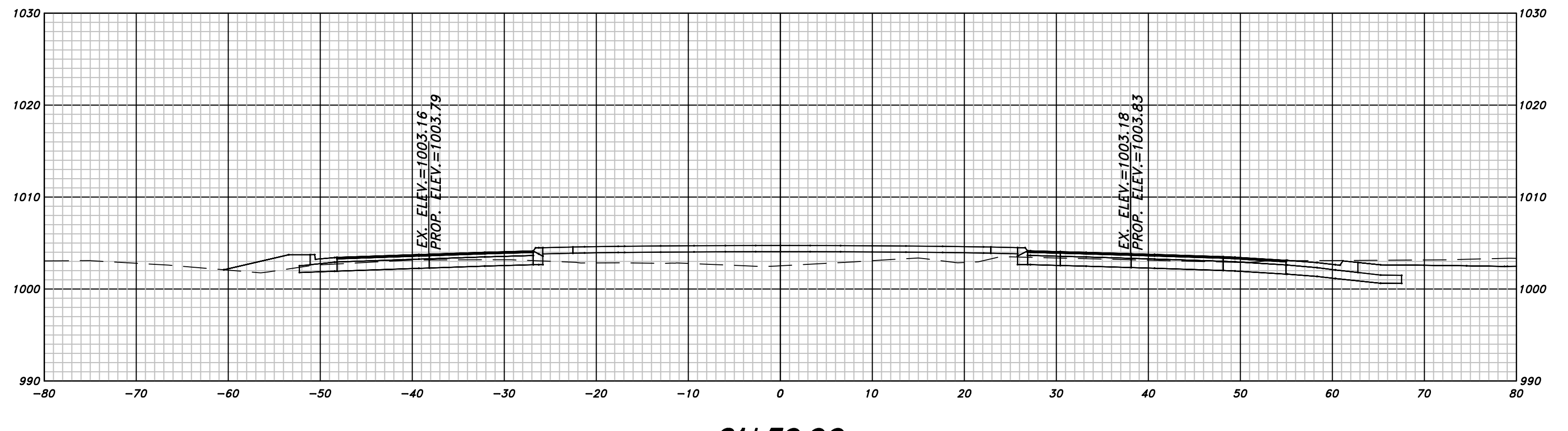
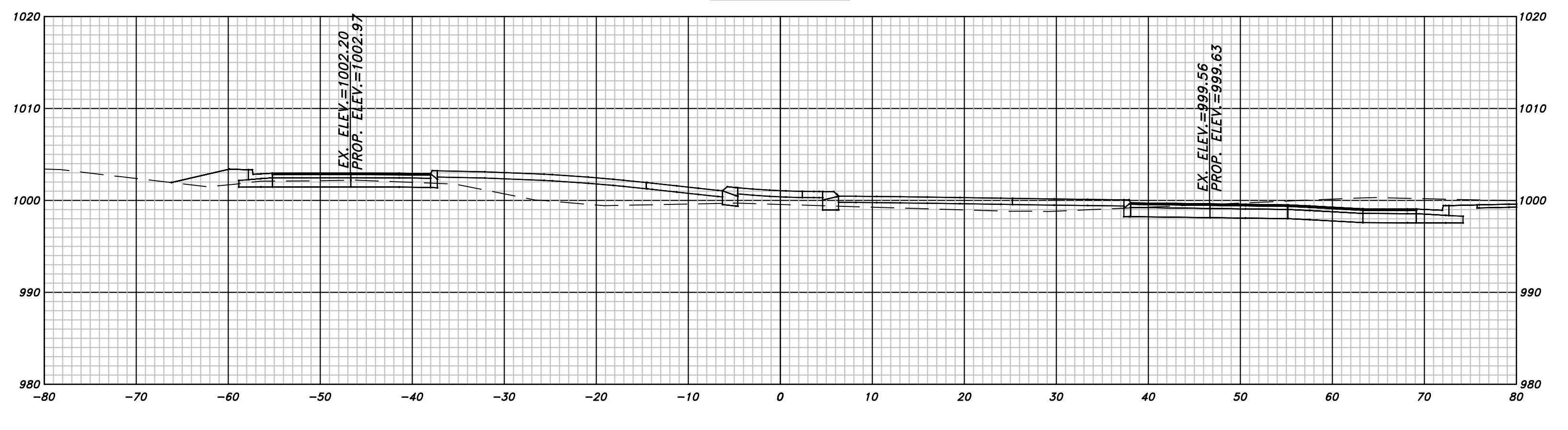
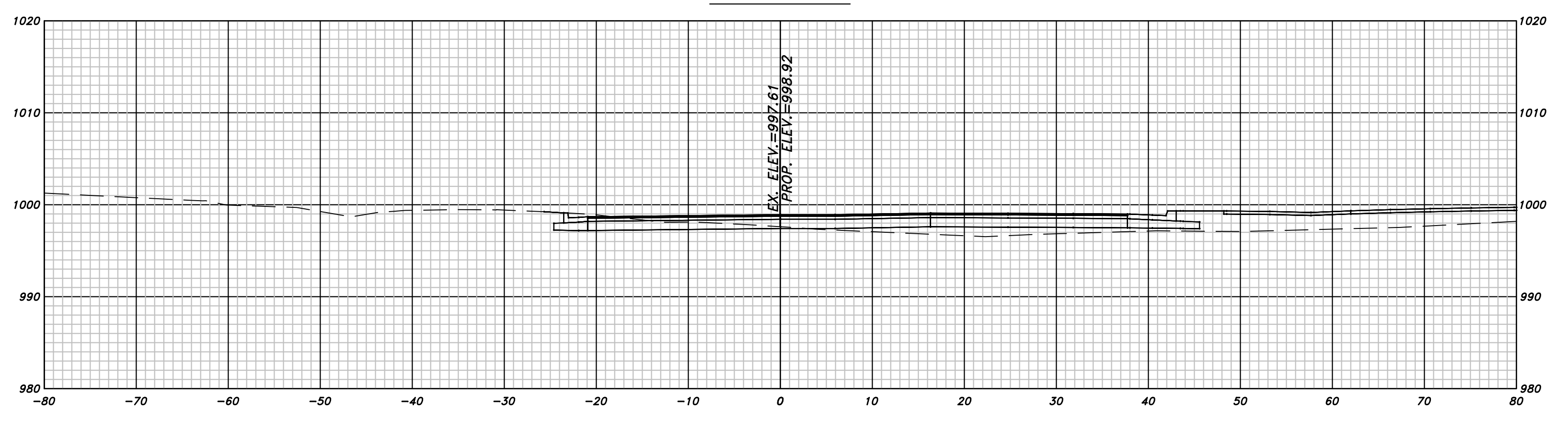
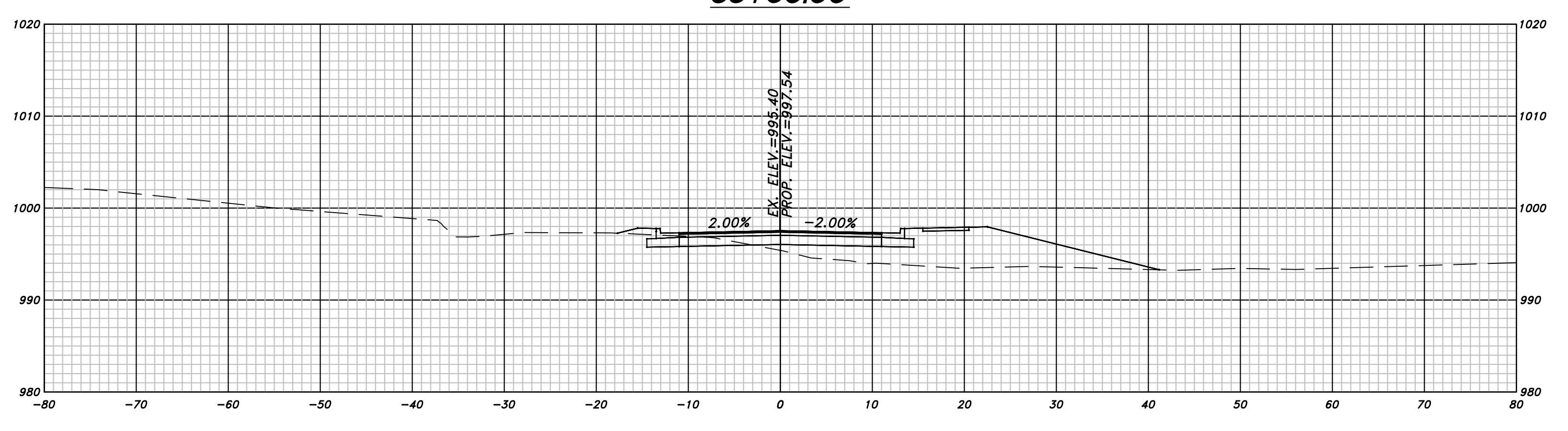
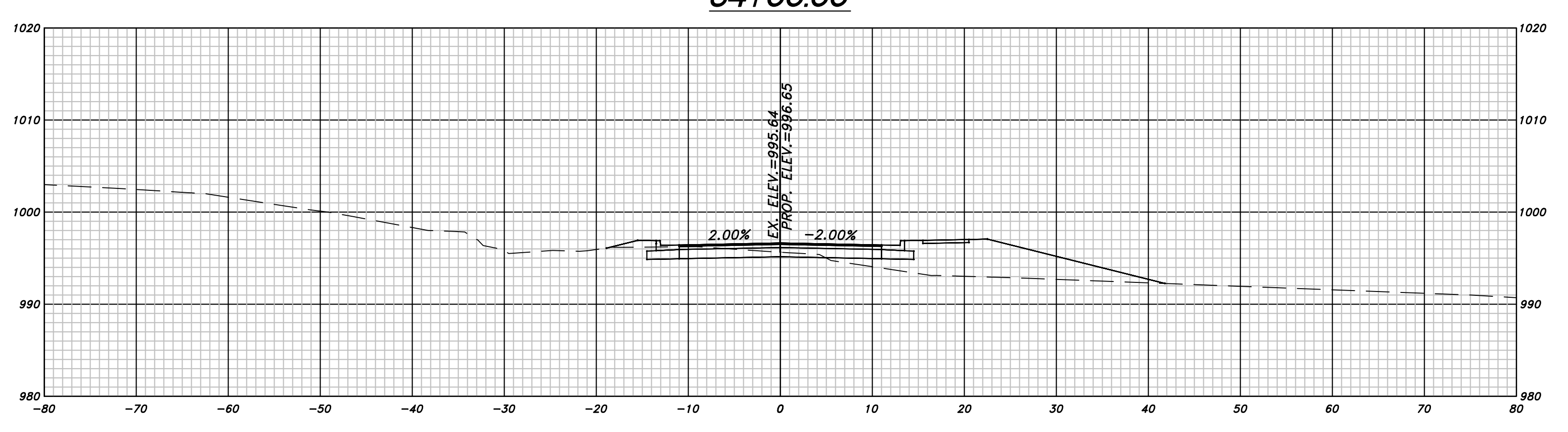
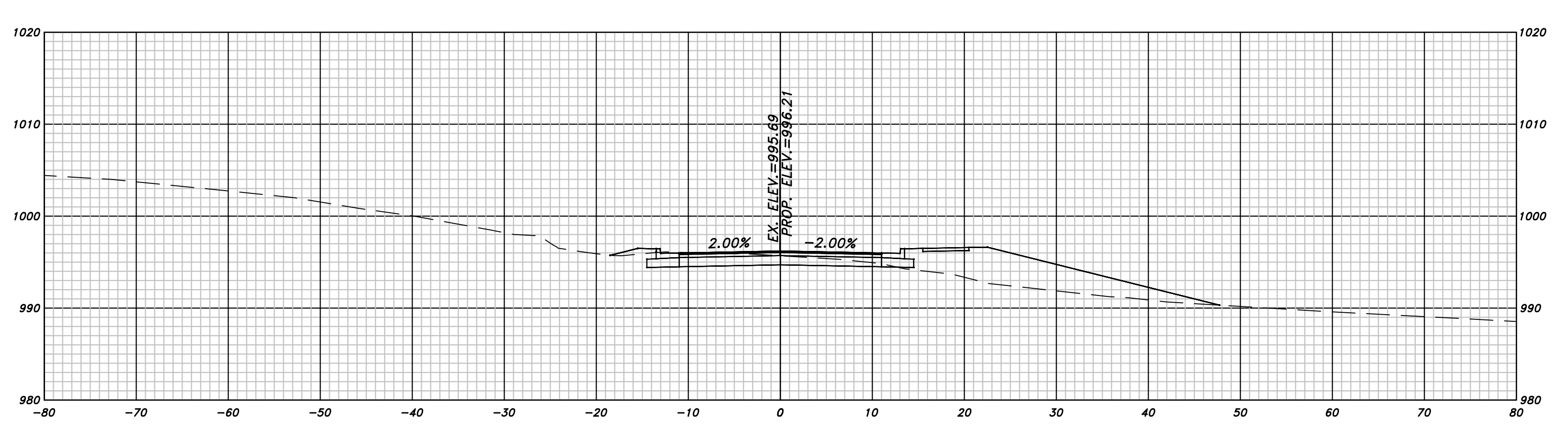
OFFICE:
 HAMERS ROAD

CROSS SECTIONS

DRAWING No.
23-06



REVISION DATES	OFFICE:
	CHEROKEE COUNTY DEPARTMENT OF TRANSPORTATION
	CROSS SECTIONS
	HAMERS ROAD
	DRAWING No. 23-07



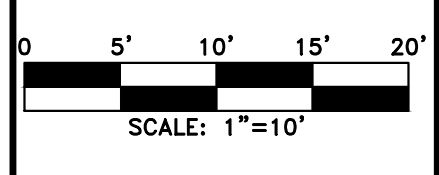
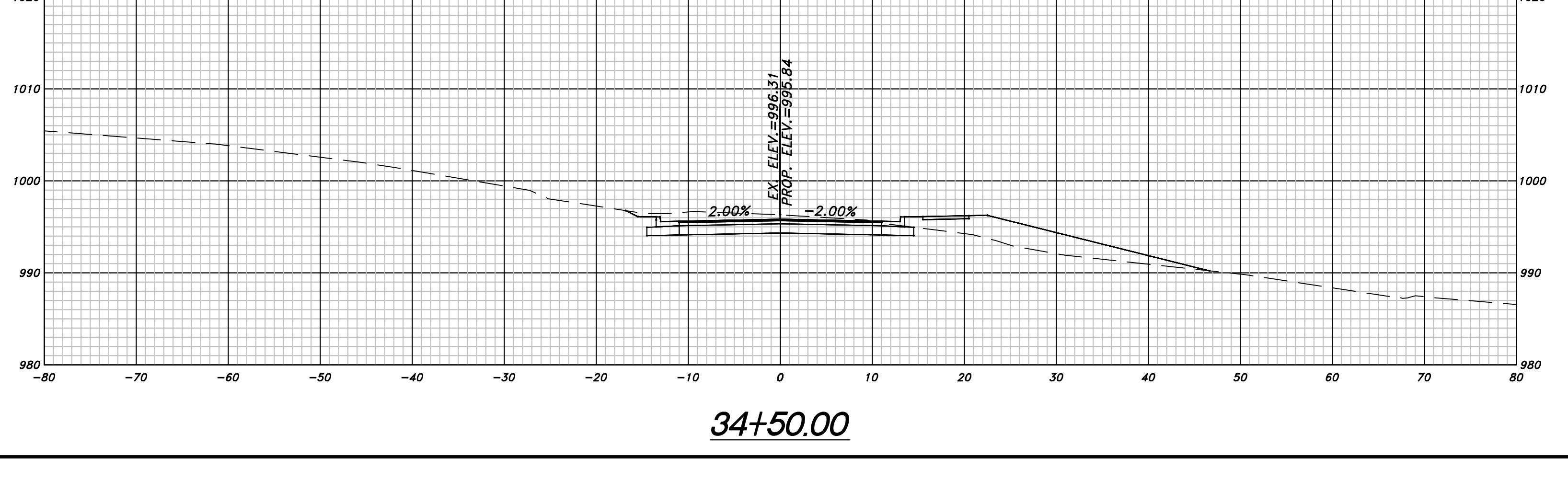
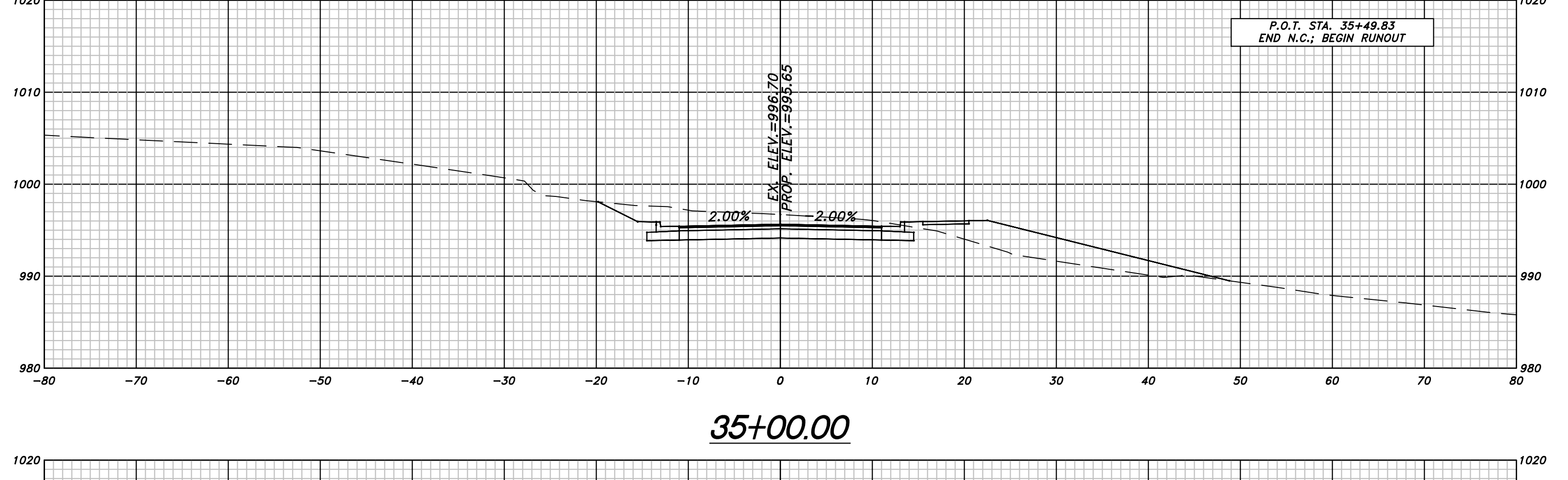
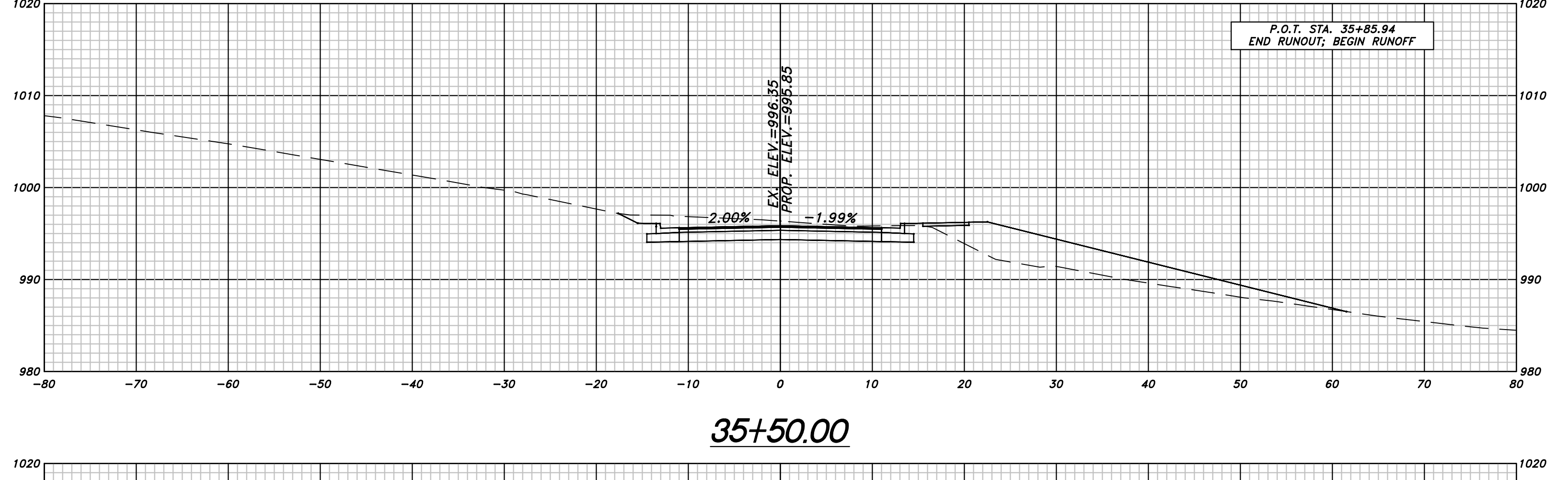
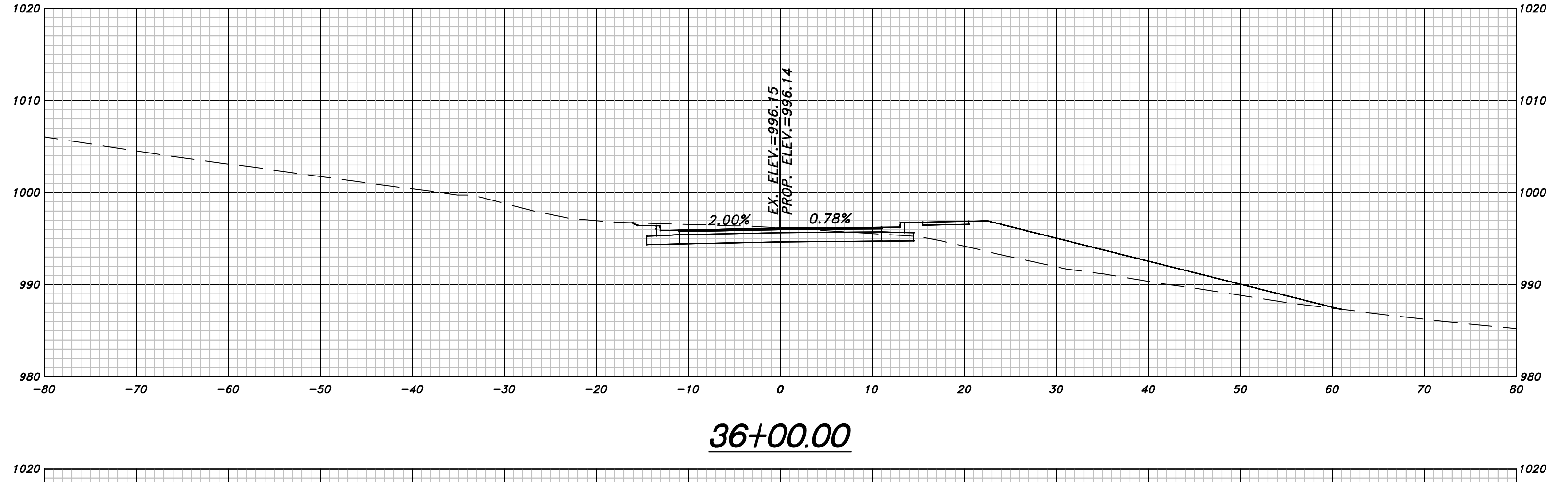
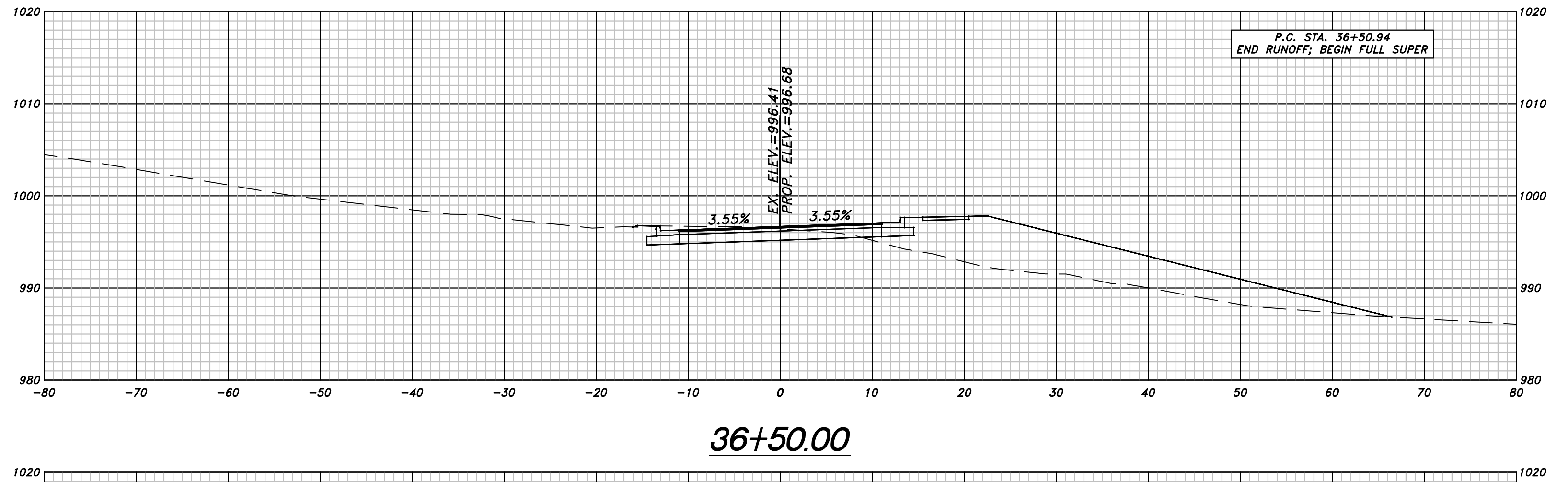
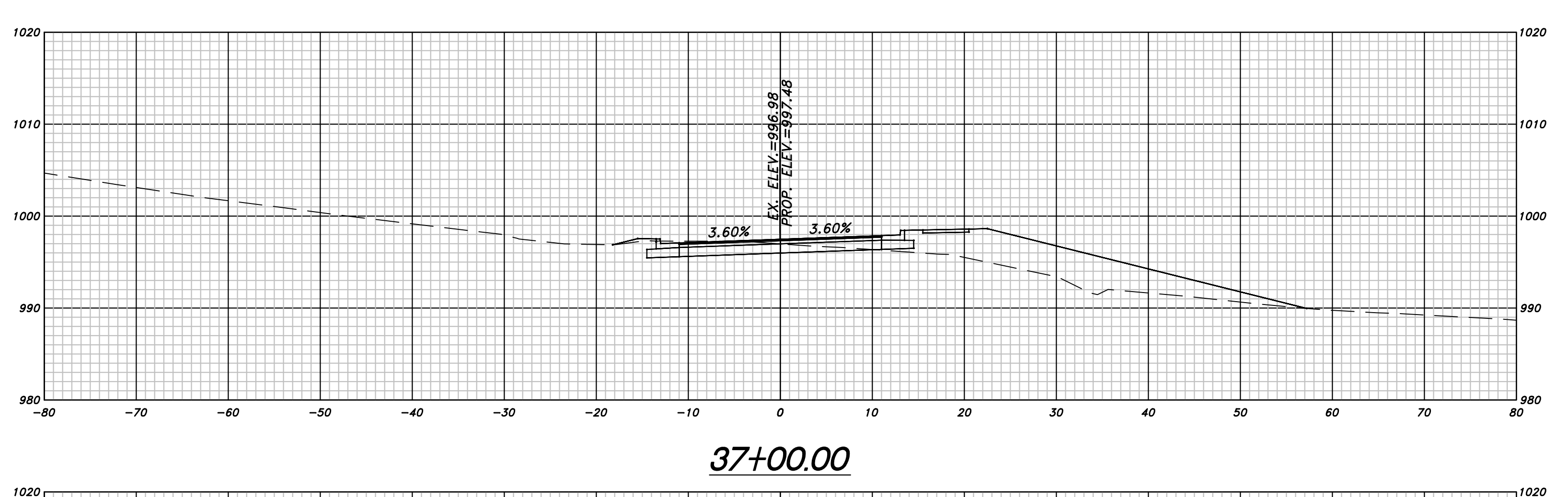
REVISION DATES	

OFFICE: **CHEROKEE COUNTY DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS

HAMERS ROAD

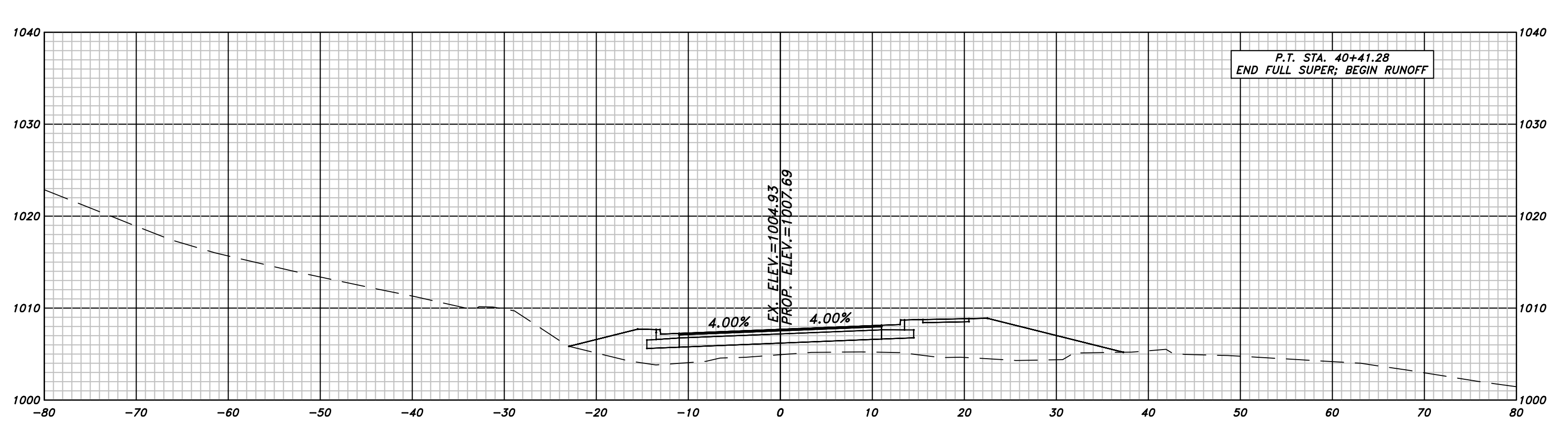
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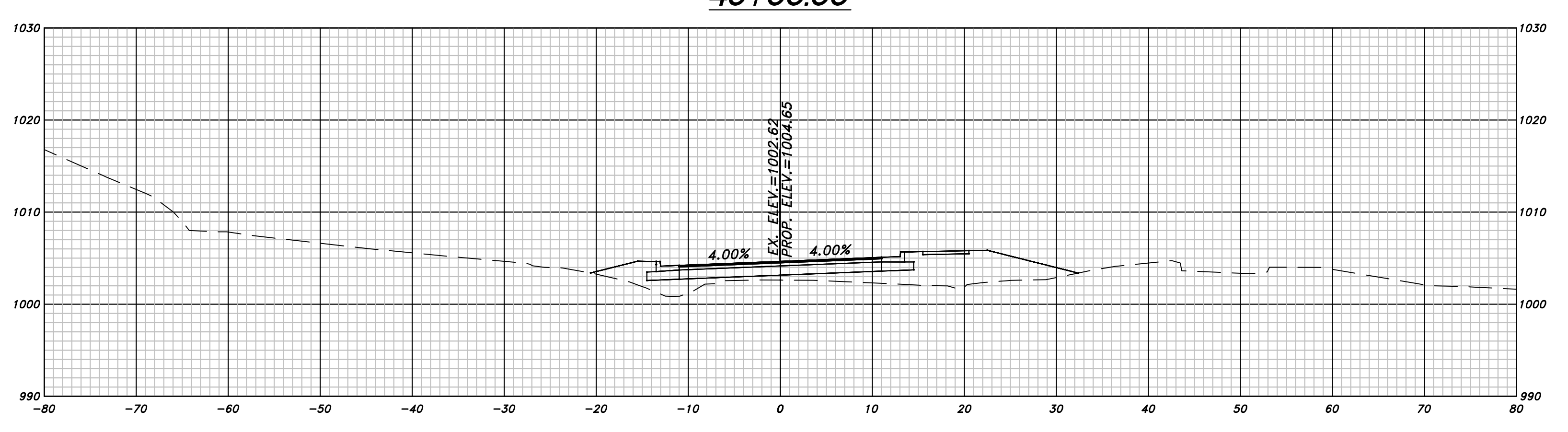
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OFFICE: CHEROKEE COUNTY DEPARTMENT OF TRANSPORTATION
 HAMERS ROAD
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 DRAWING NO. 23-09

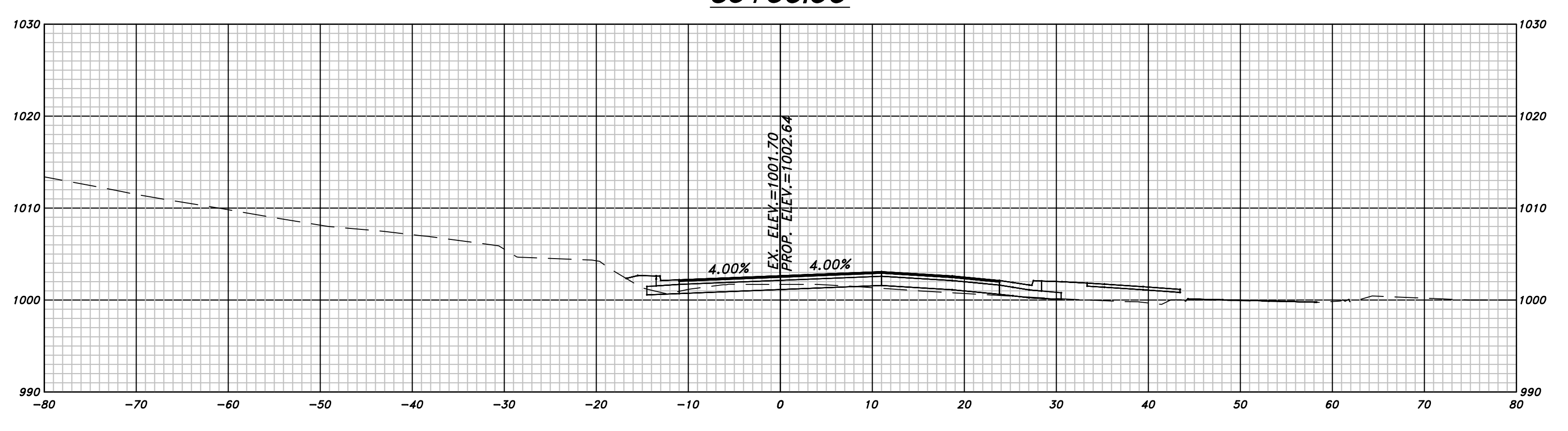
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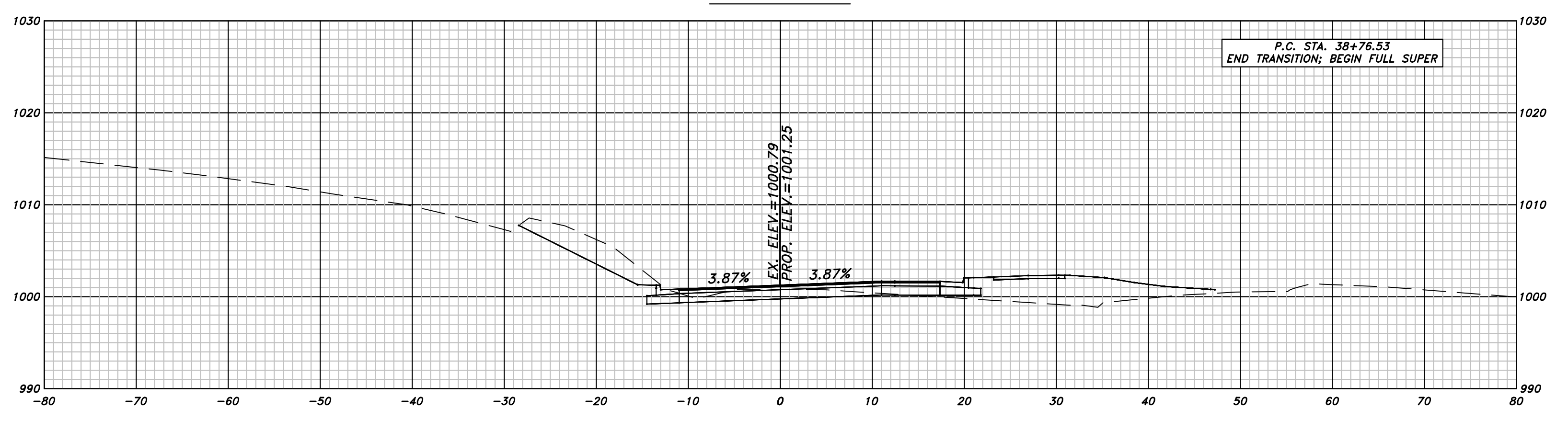
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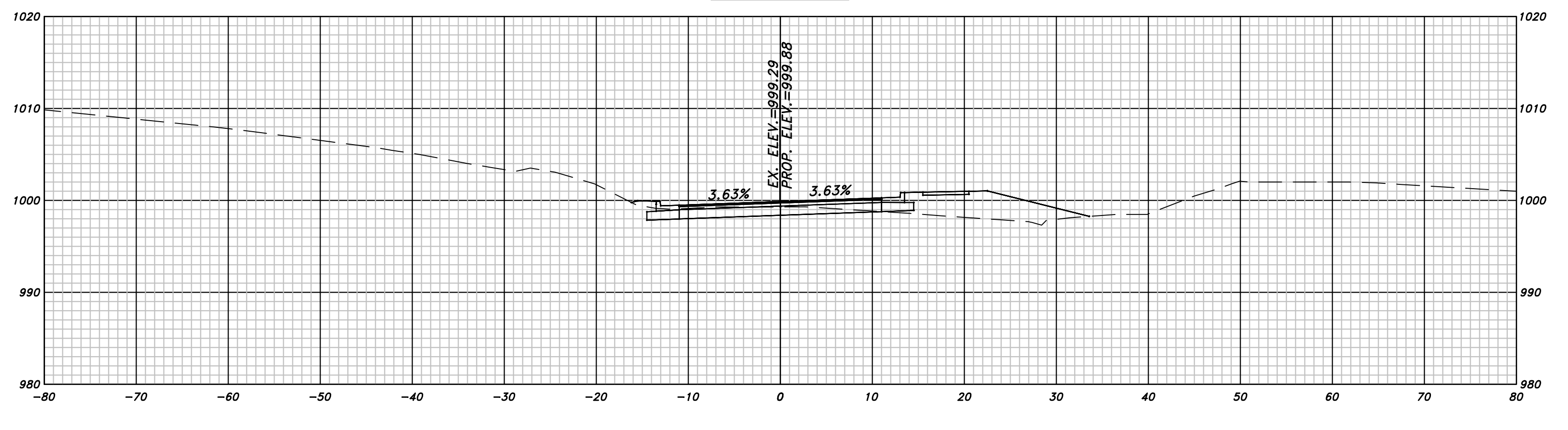
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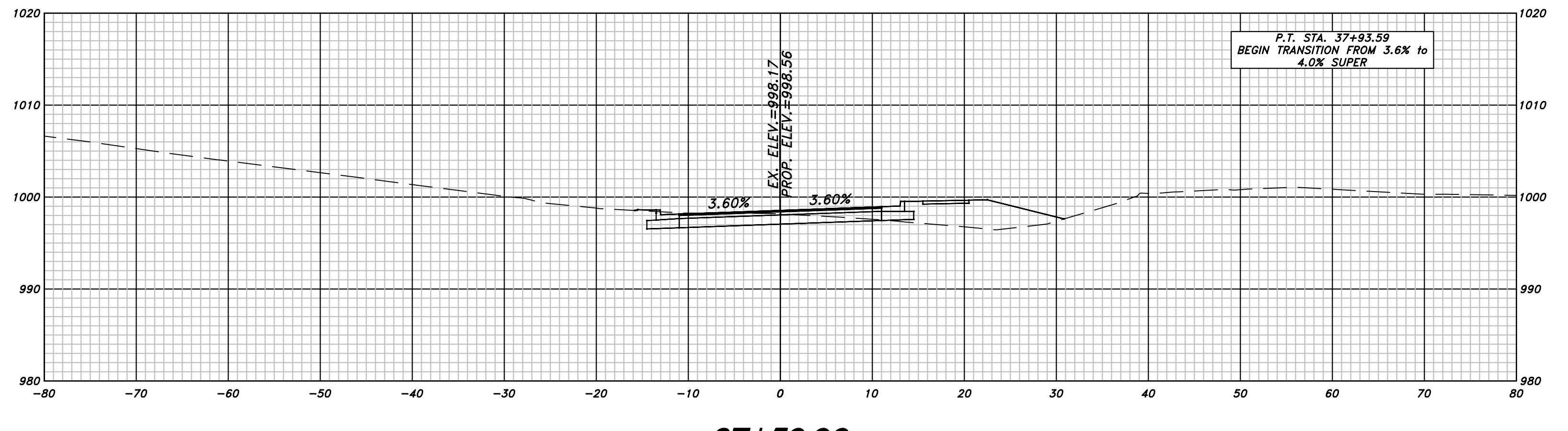
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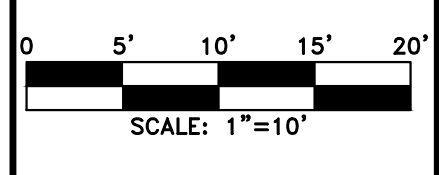
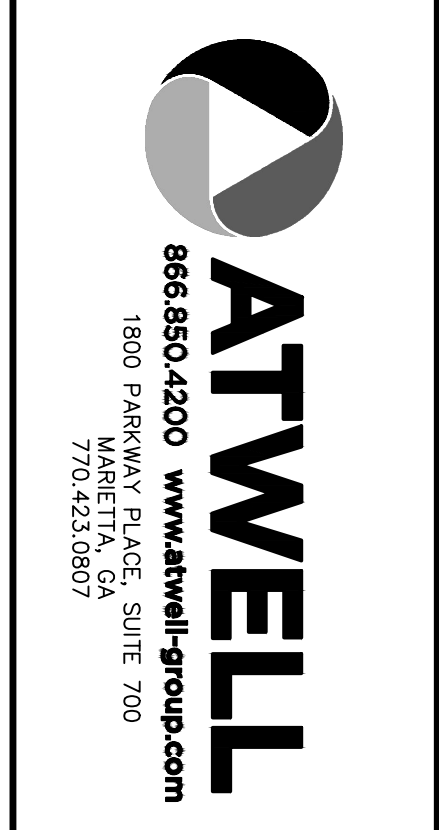
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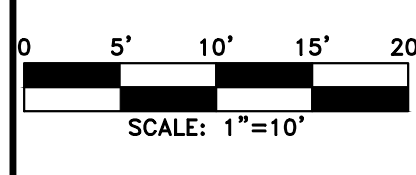
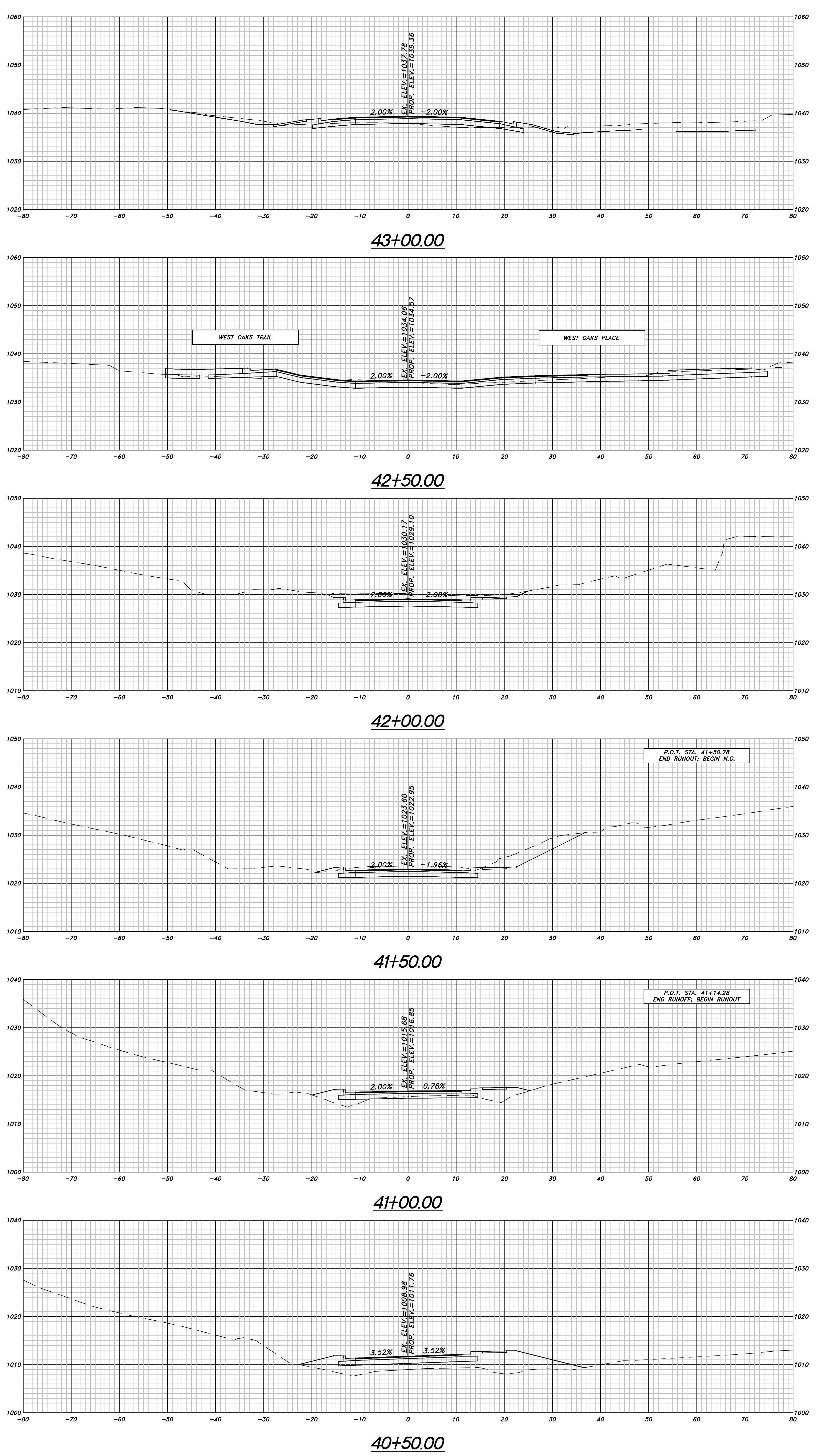
REVISION DATES

OFFICE: **CHEROKEE COUNTY DEPARTMENT OF TRANSPORTATION**

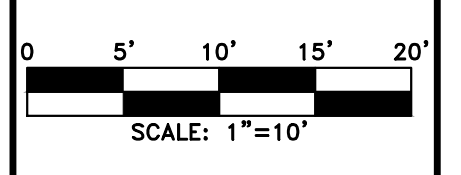
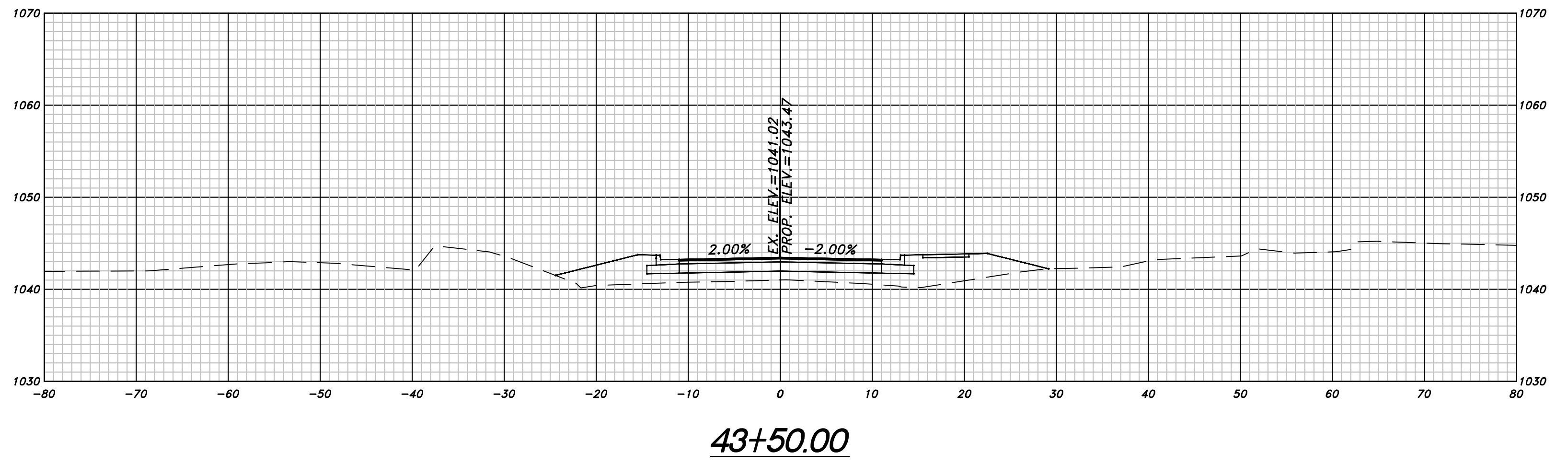
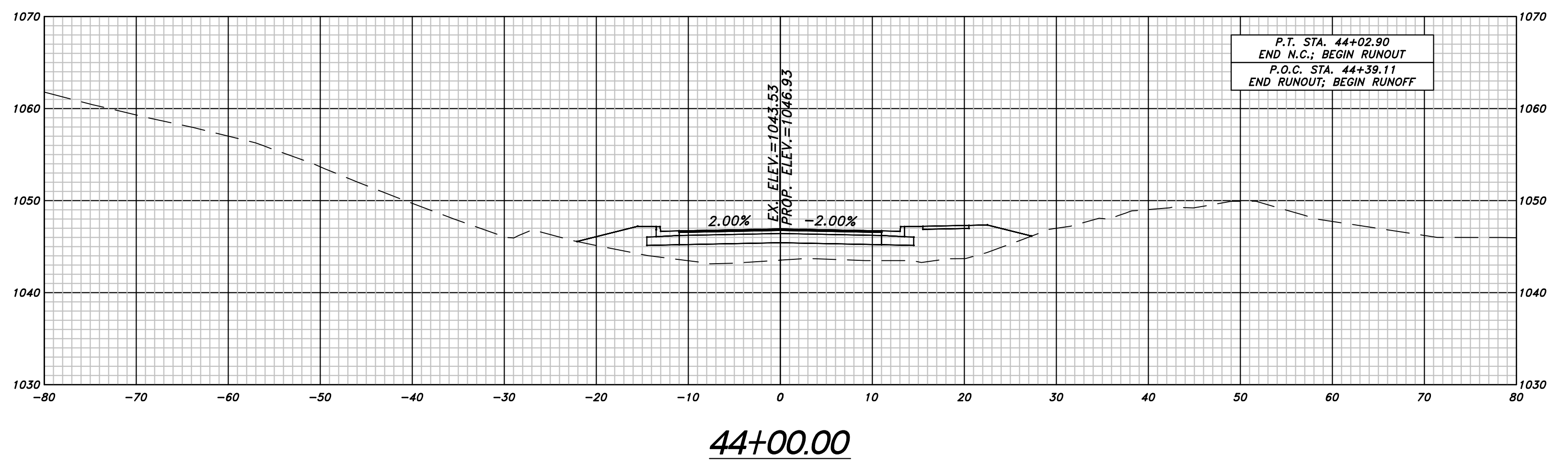
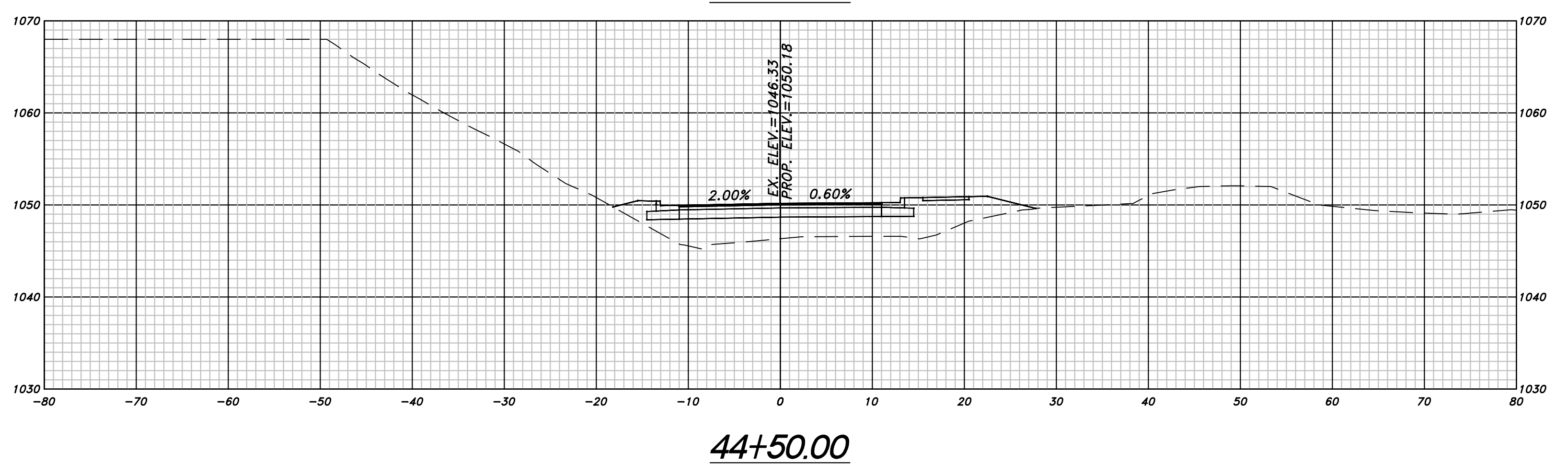
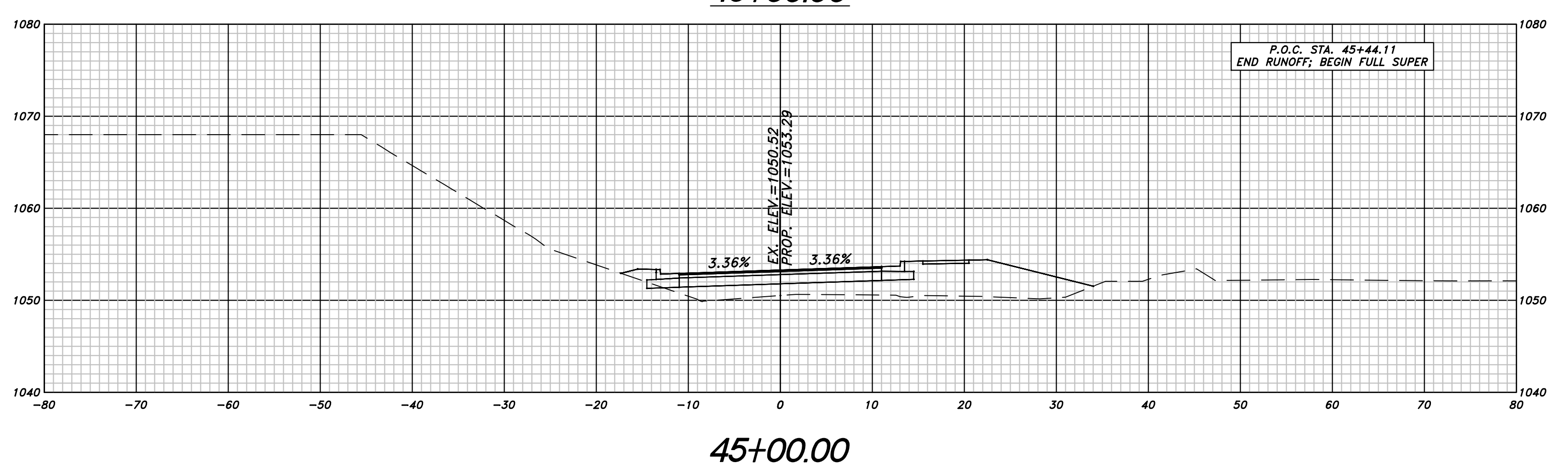
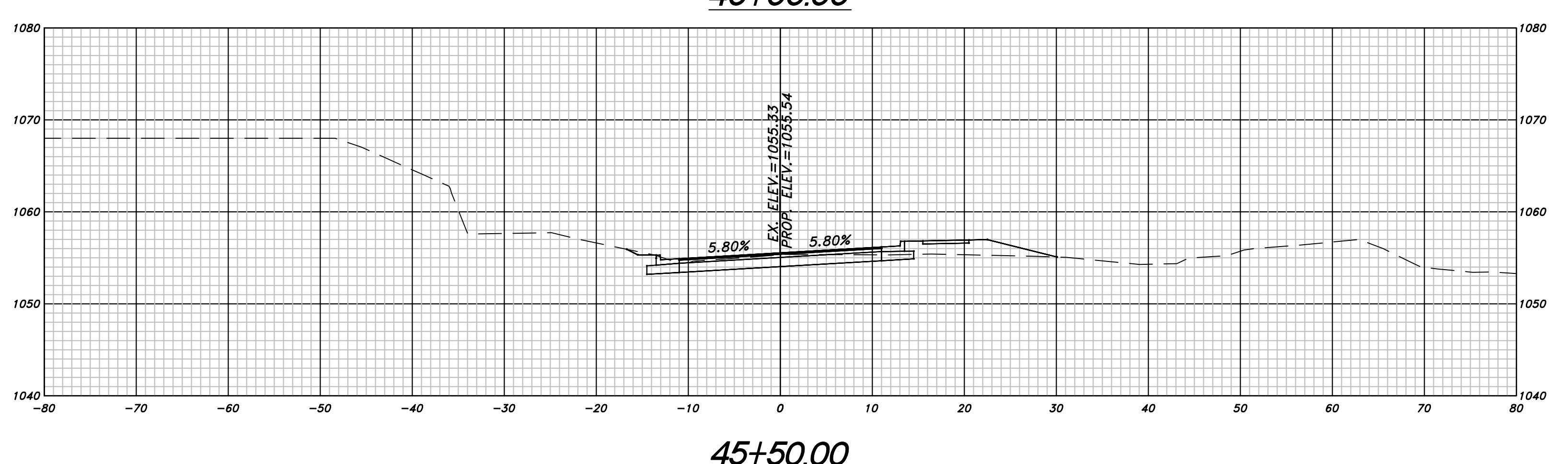
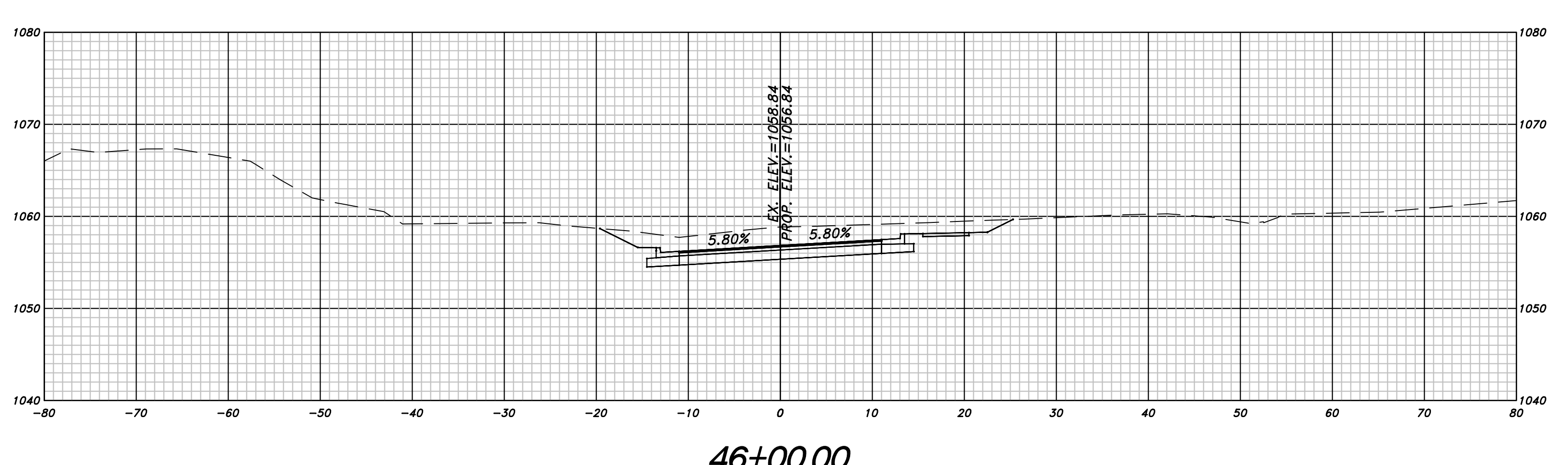
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HAMES ROAD

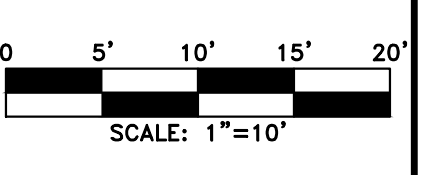
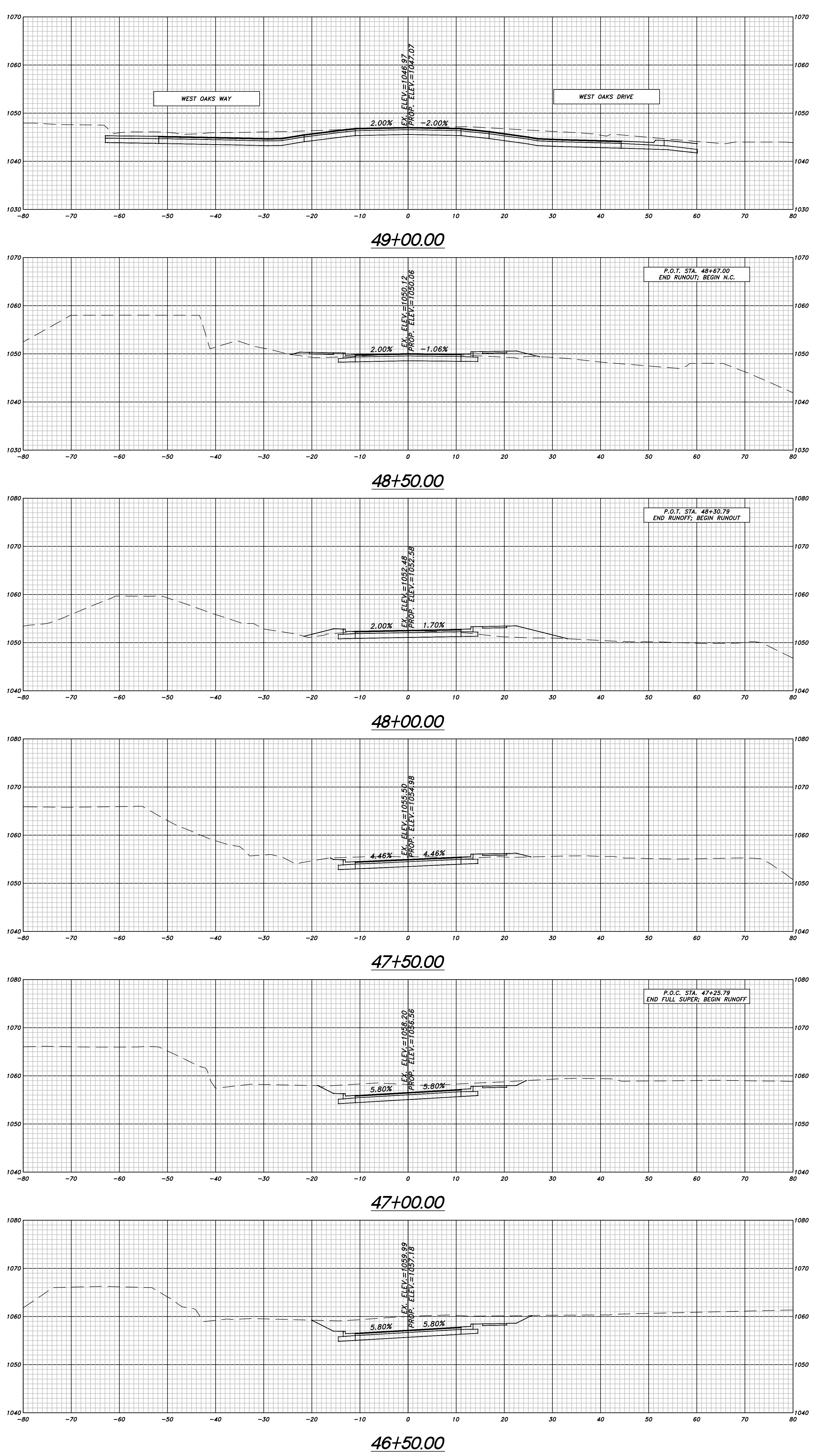
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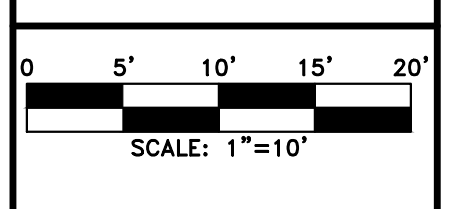
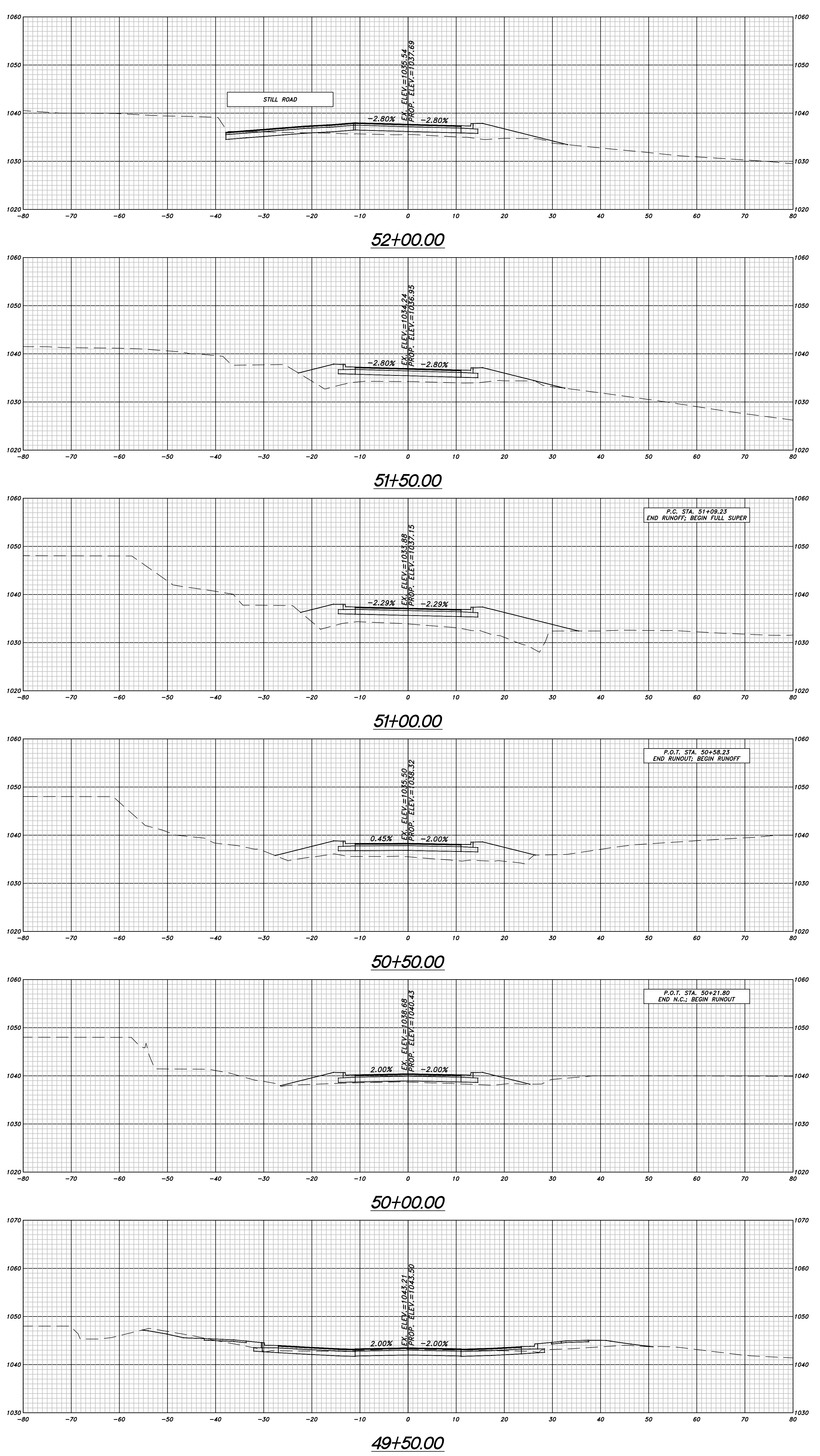


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	CHEROKEE COUNTY DEPARTMENT OF TRANSPORTATION
	CROSS SECTIONS
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	DRAWING No. 23-12

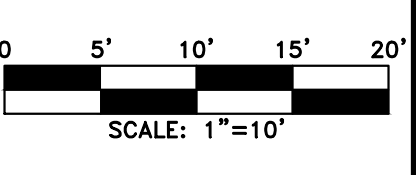
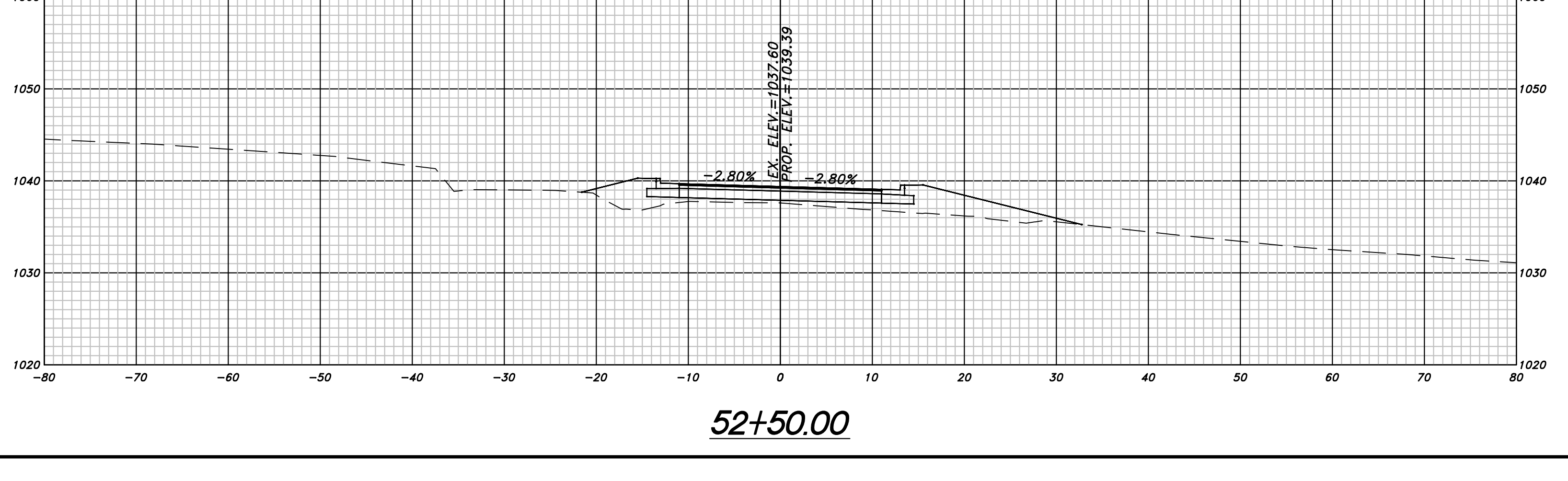
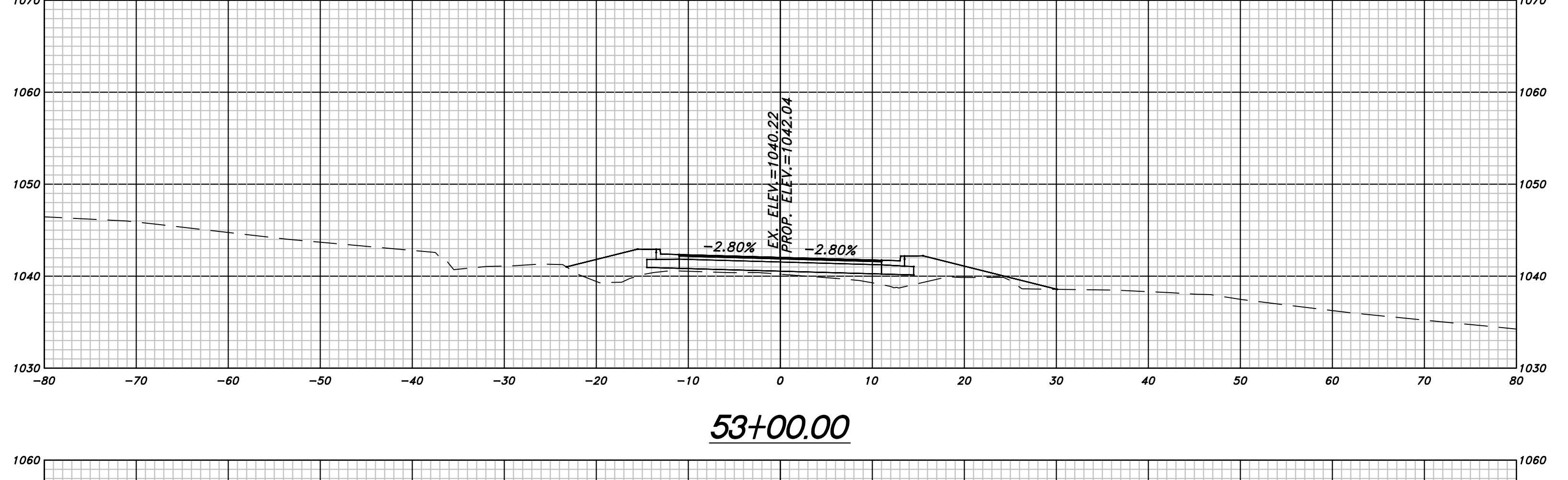
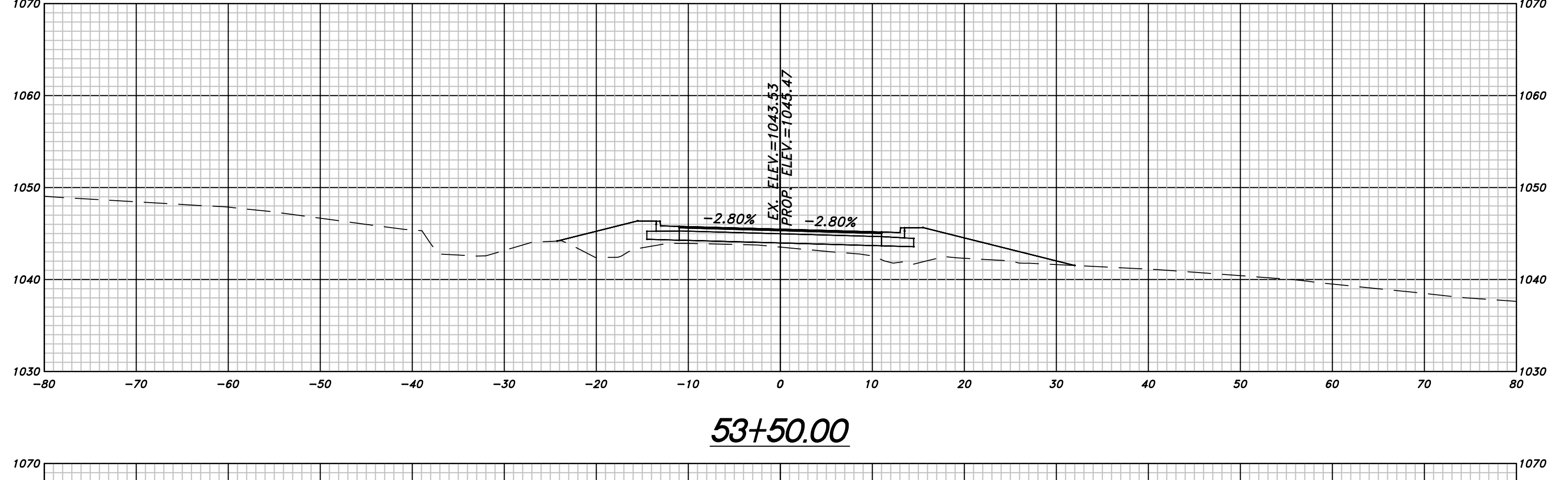
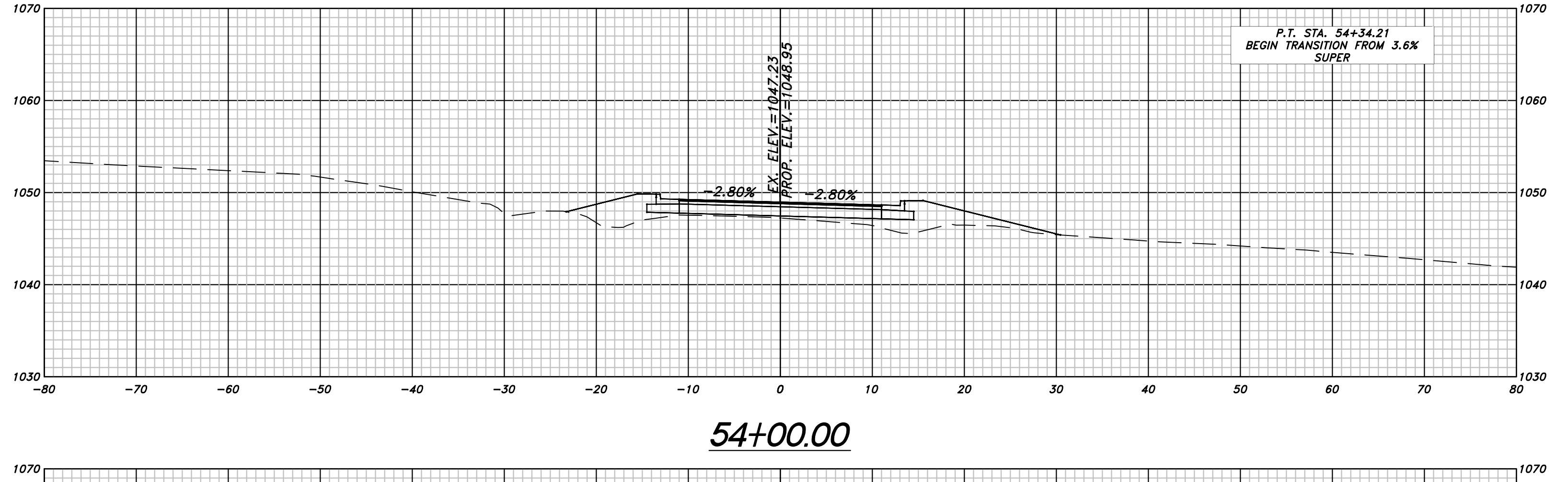
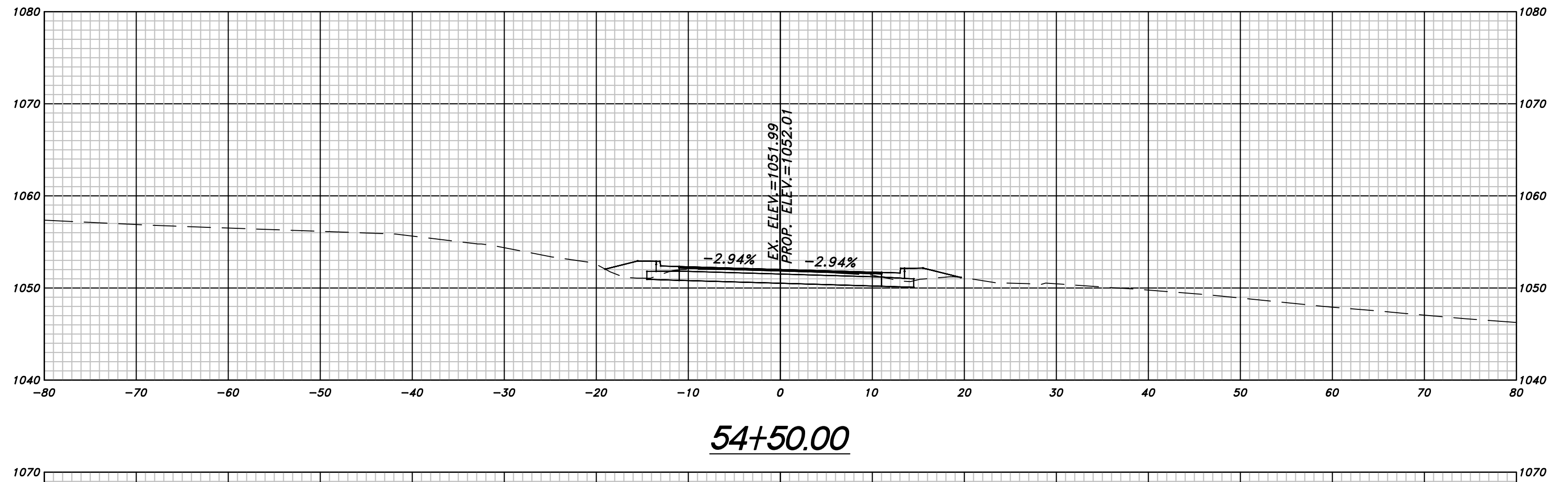
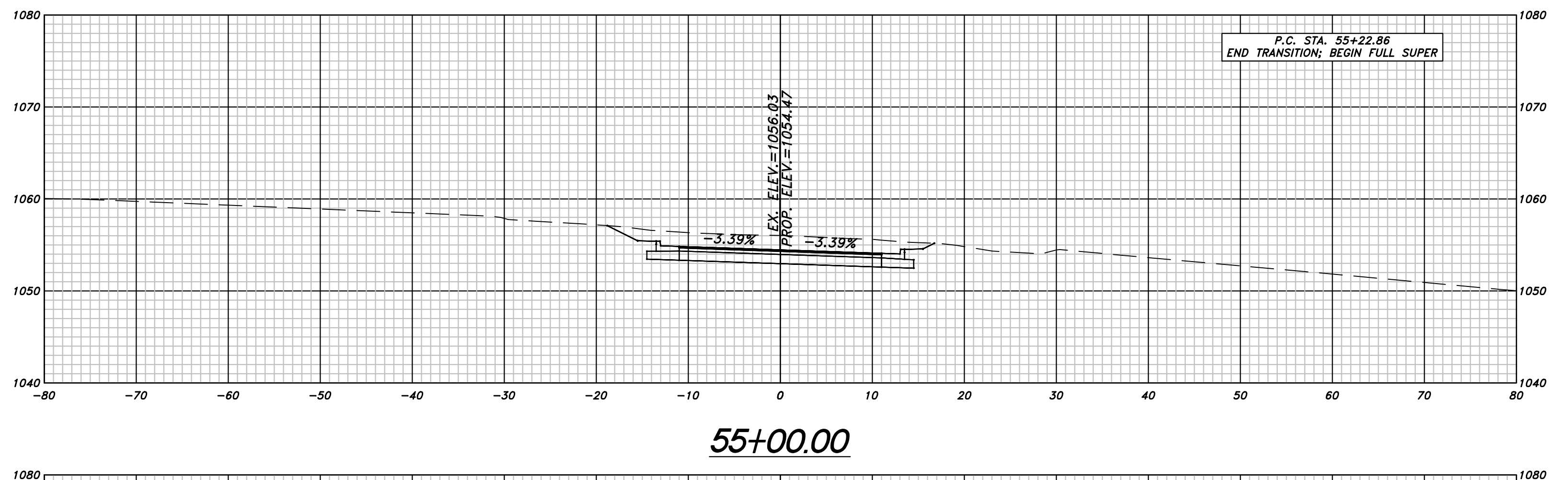


REVISION DATES

OFFICE: CHEROKEE COUNTY DEPARTMENT OF TRANSPORTATION
 CROSS SECTIONS
 HAMERS ROAD
 DRAWING No. 23-13



REVISION DATES	OFFICE:
	CHEROKEE COUNTY DEPARTMENT OF TRANSPORTATION
	CROSS SECTIONS
	HAMERS ROAD
	DRAWING NO. 23-14



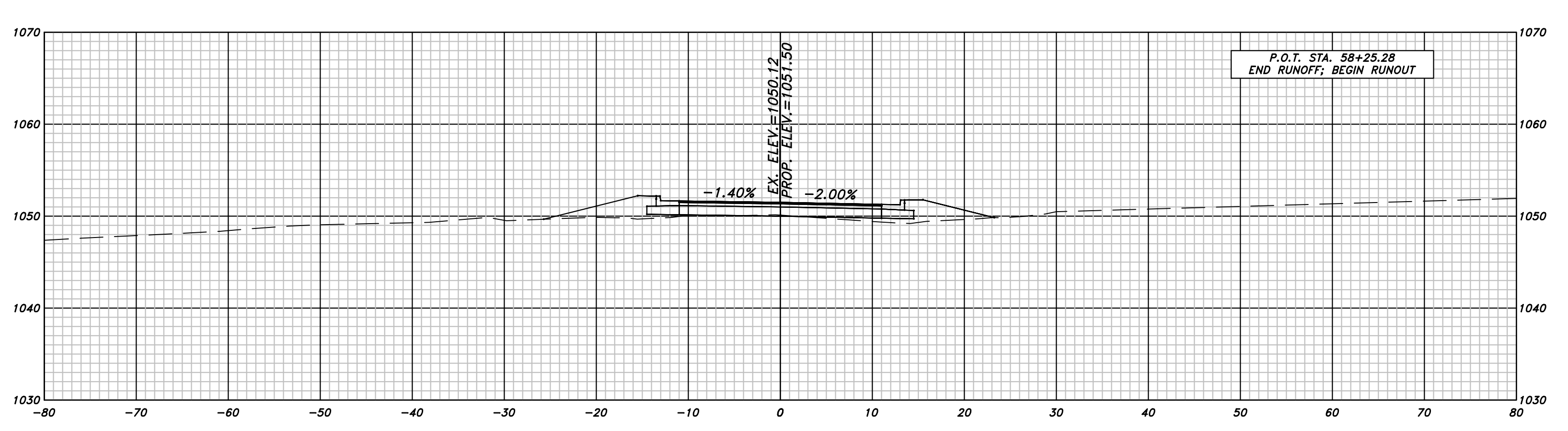
REVISION DATES

OFFICE: CHEROKEE COUNTY DEPARTMENT OF TRANSPORTATION

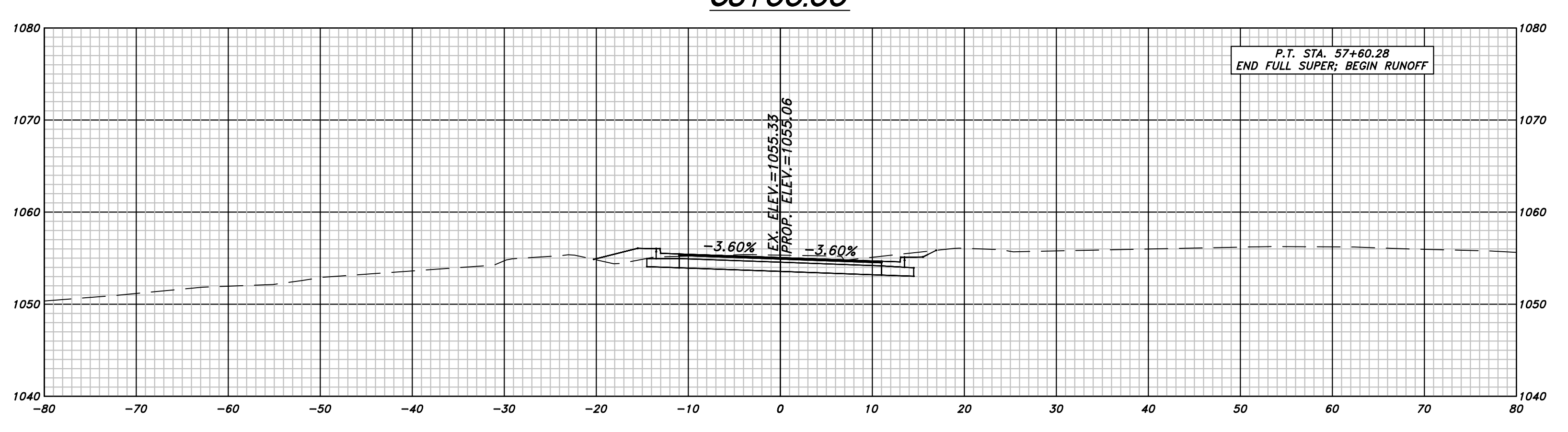
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CROSS SECTIONS

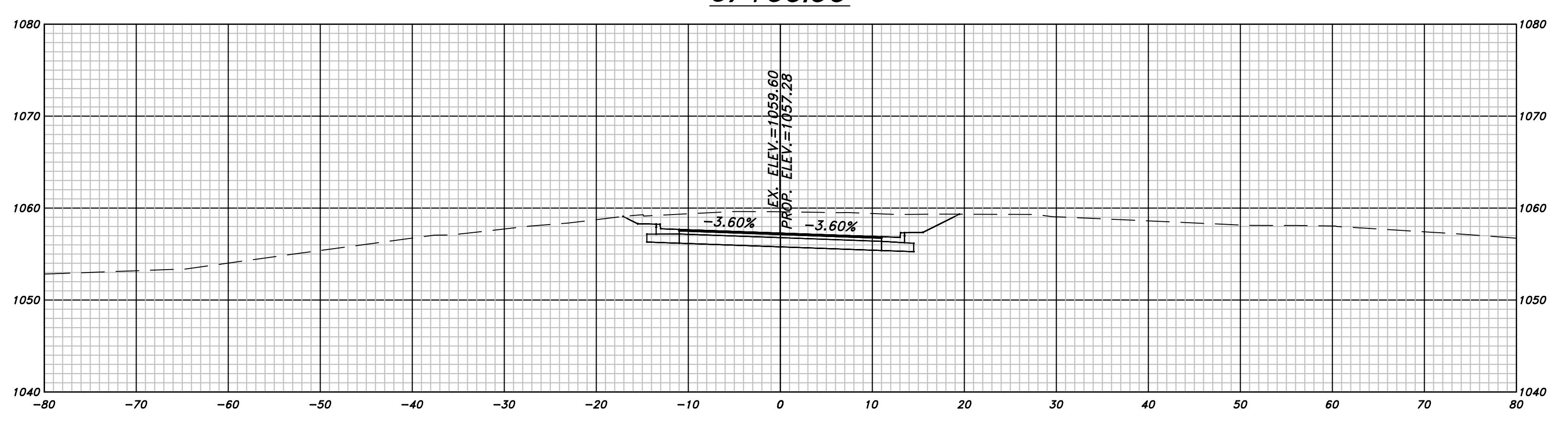
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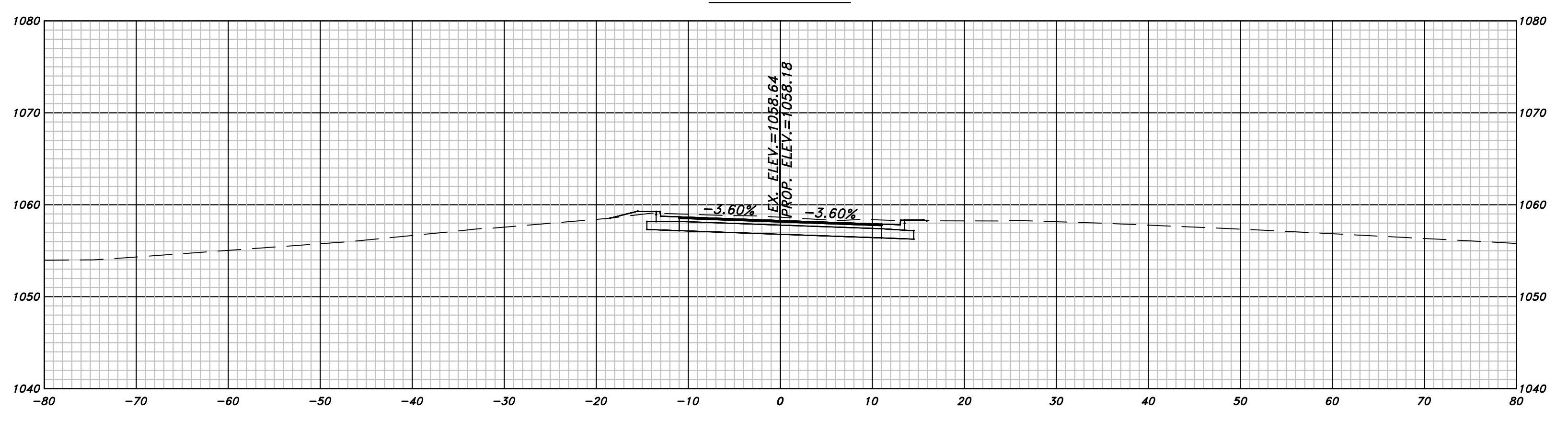
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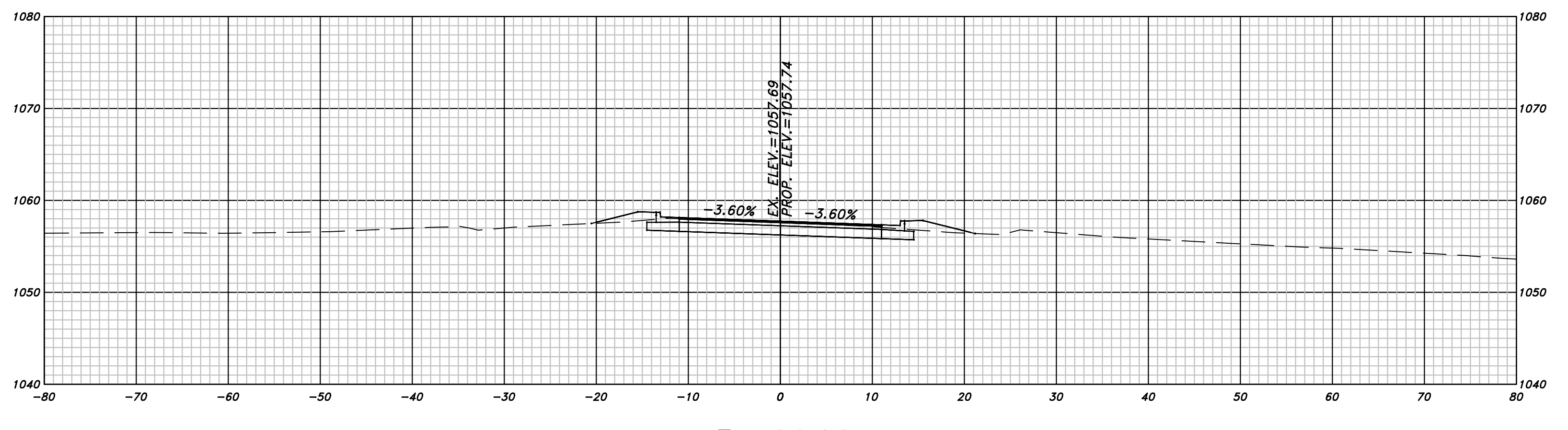
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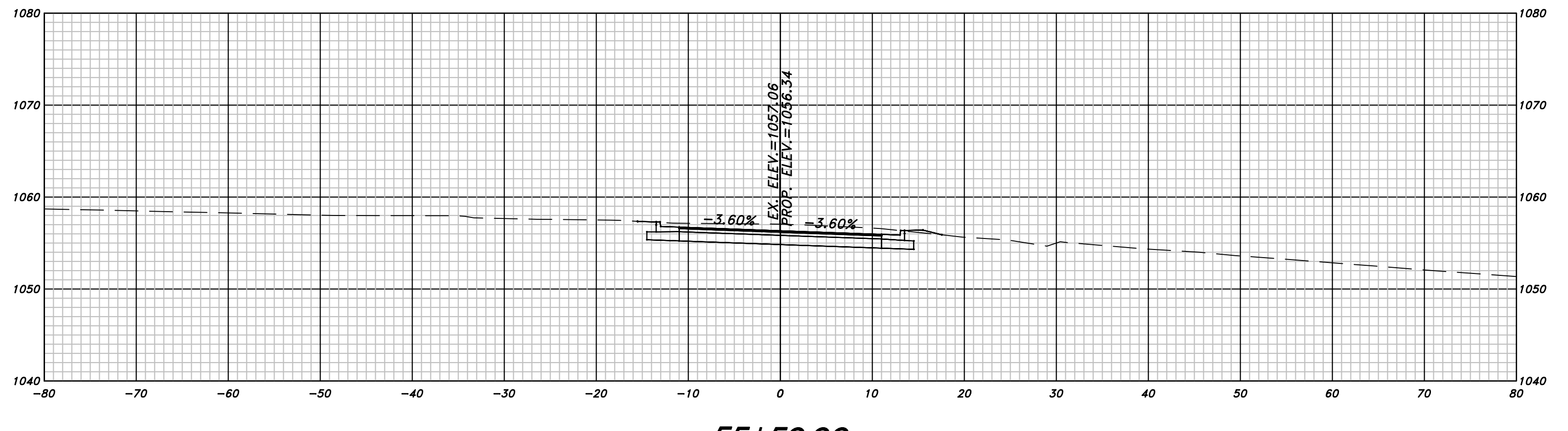
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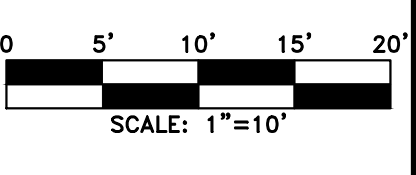
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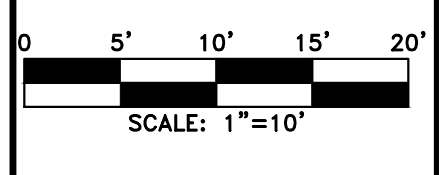
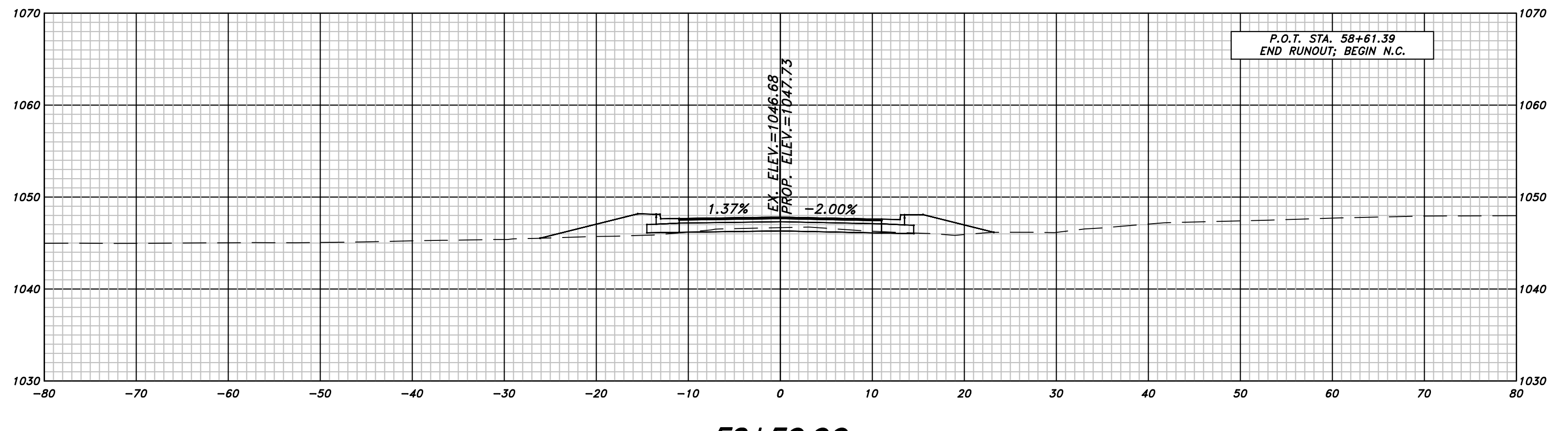
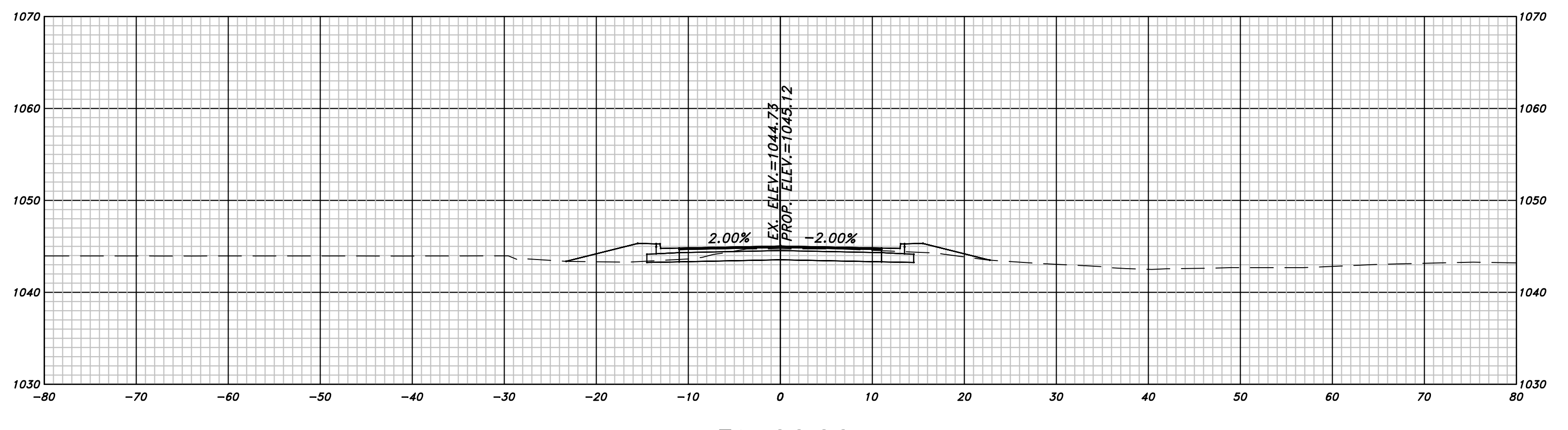
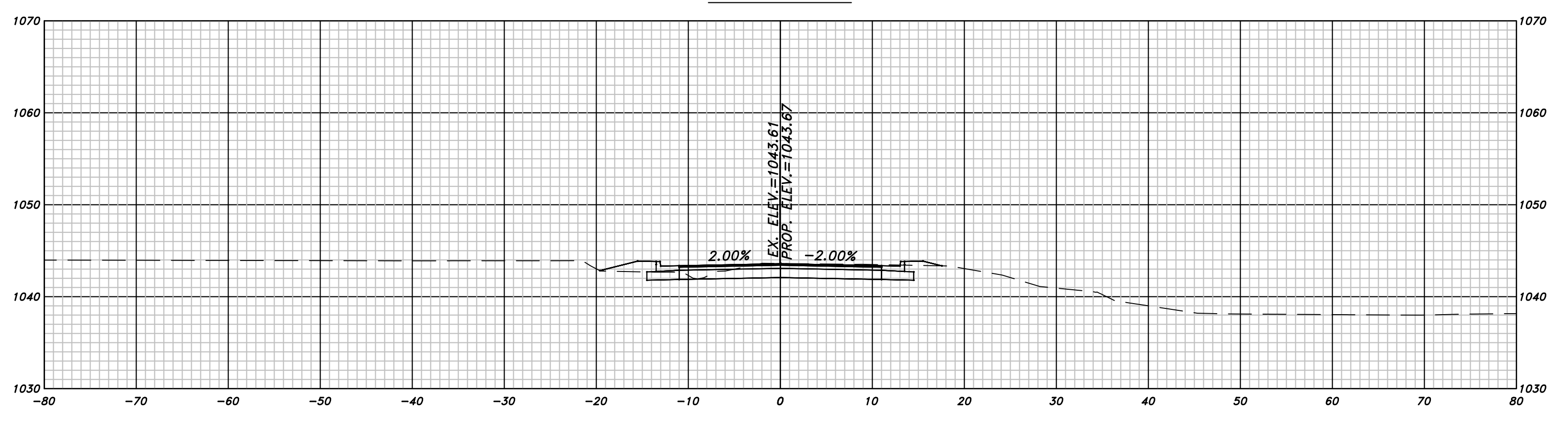
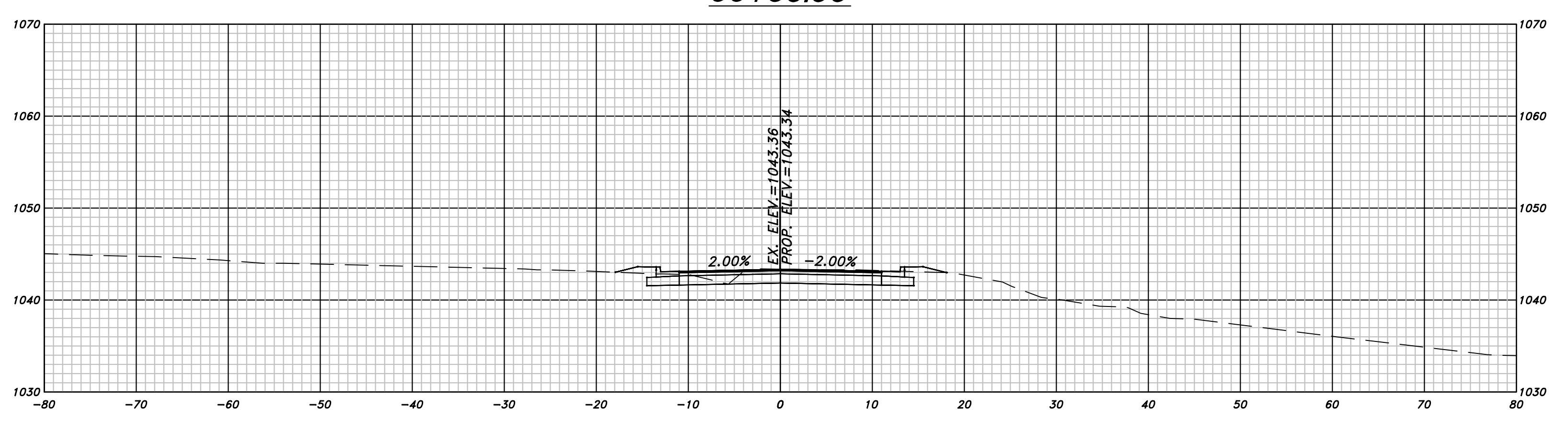
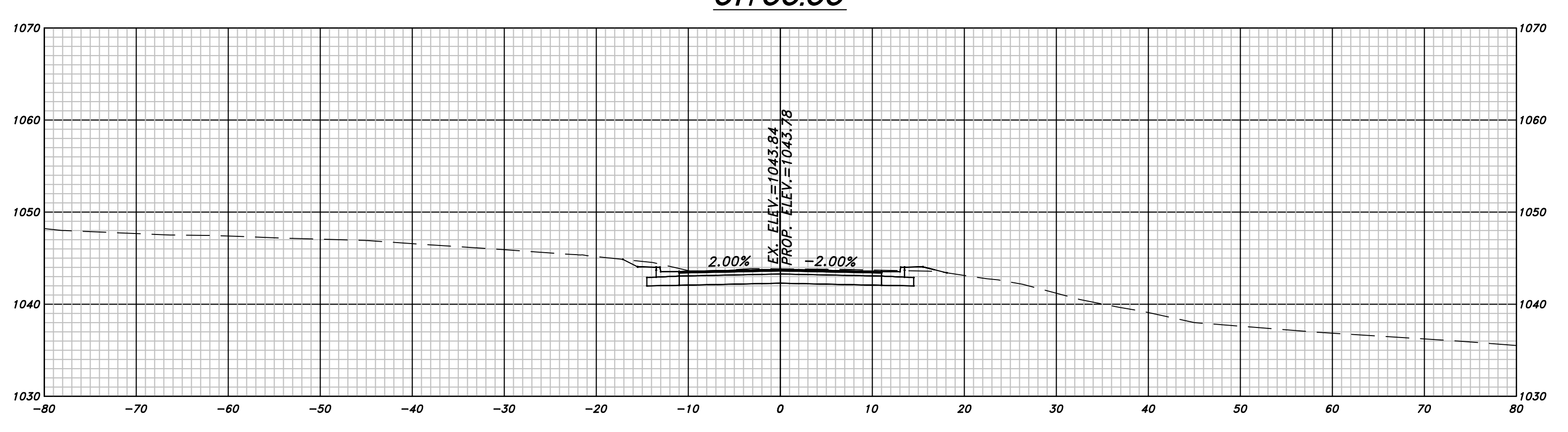
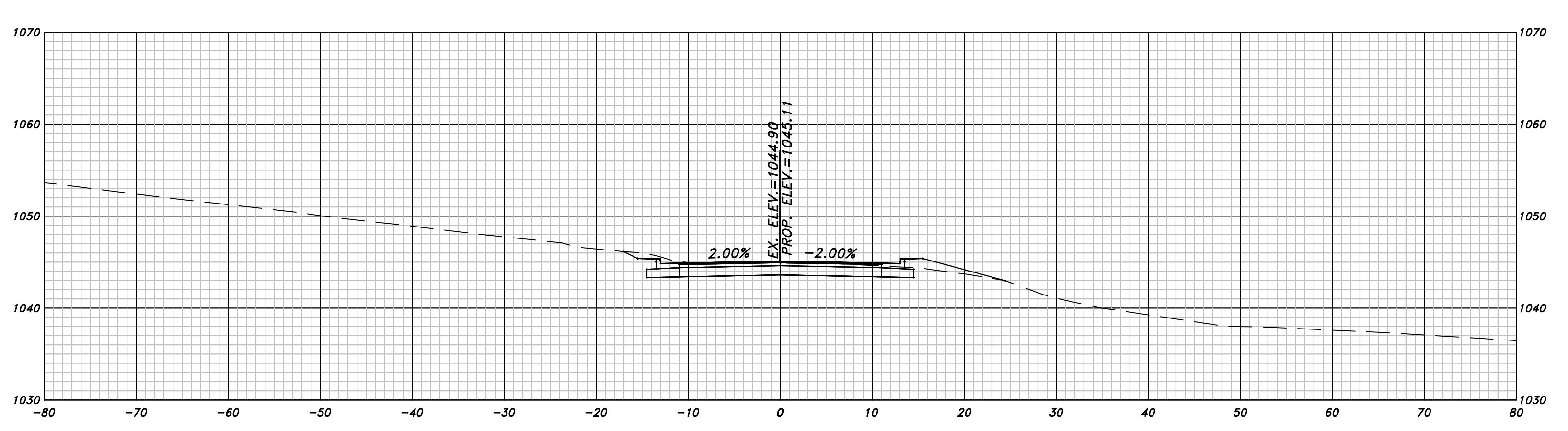
REVISION DATES	

OFFICE: **CHEROKEE COUNTY DEPARTMENT OF TRANSPORTATION**

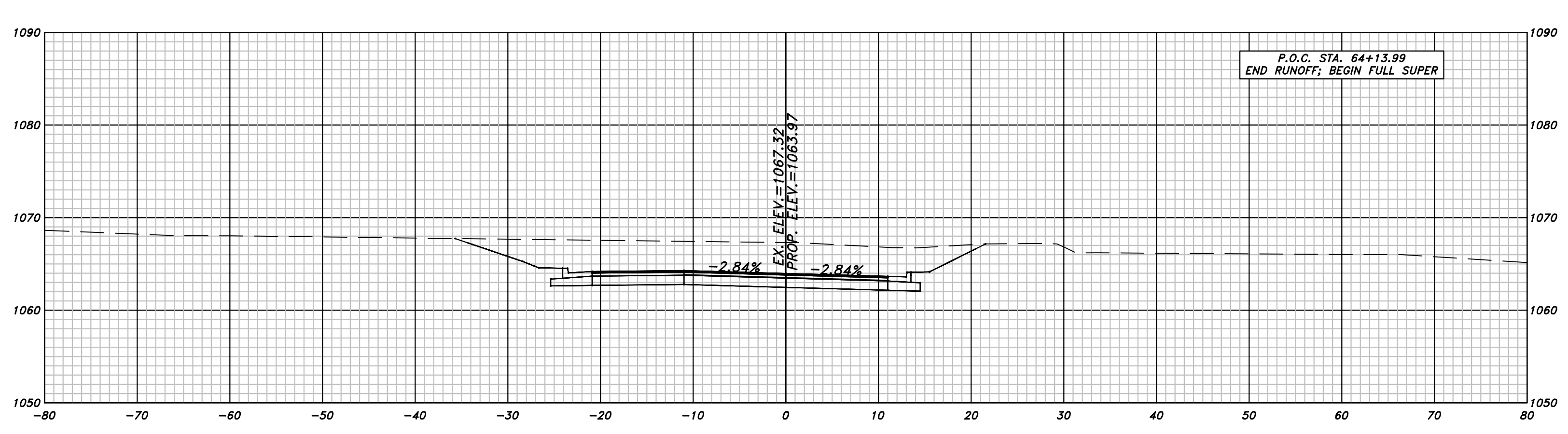
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HAMERS ROAD

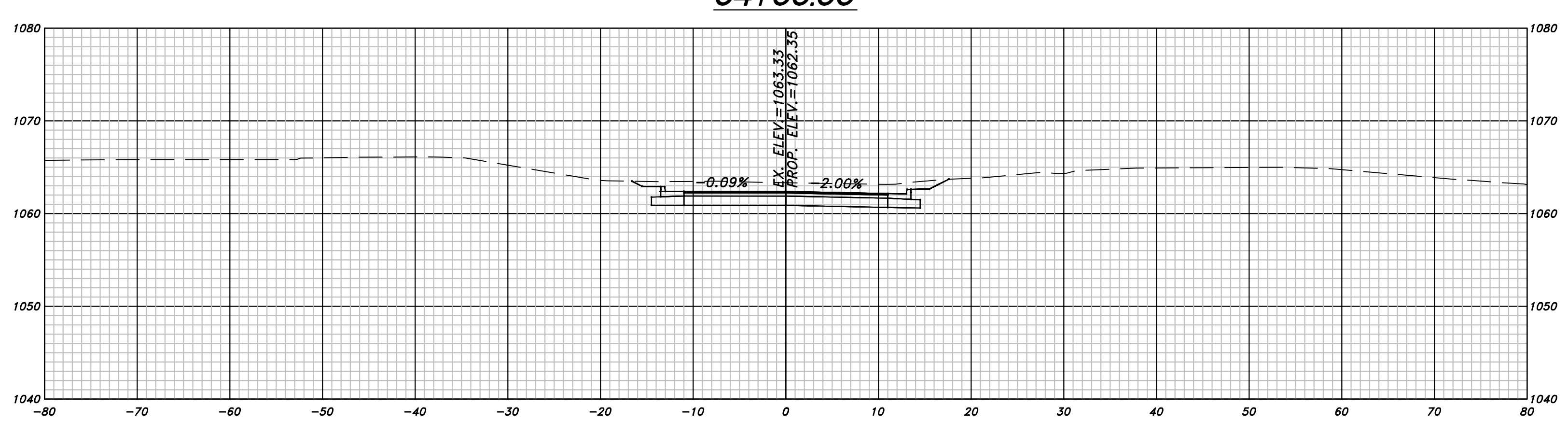
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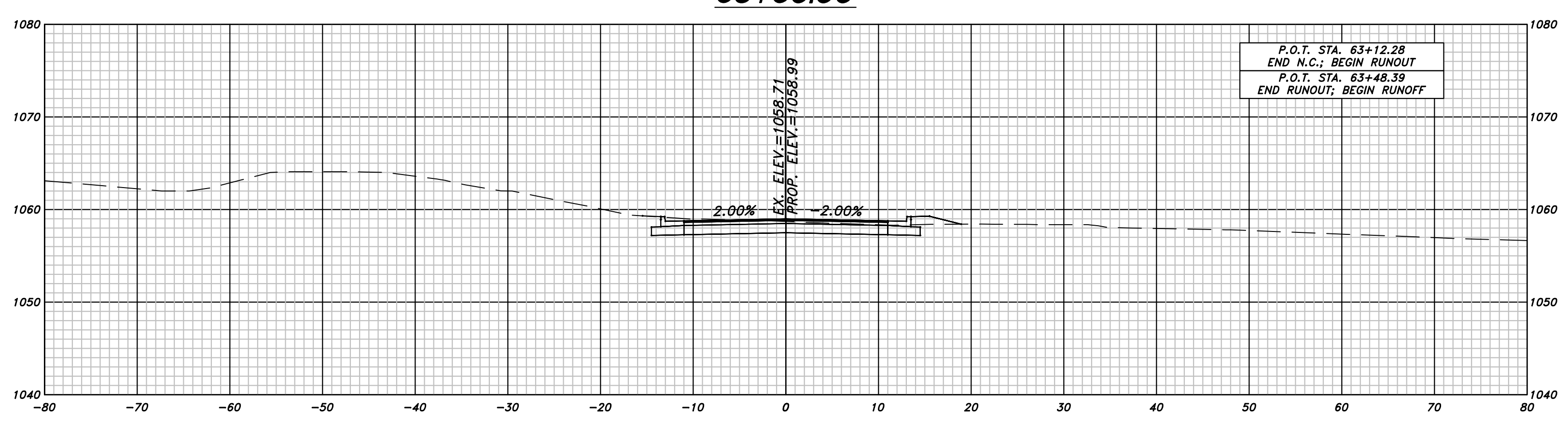
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	CHEROKEE COUNTY DEPARTMENT OF TRANSPORTATION
	CROSS SECTIONS
	HAMERS ROAD
	DRAWING NO. 23-17



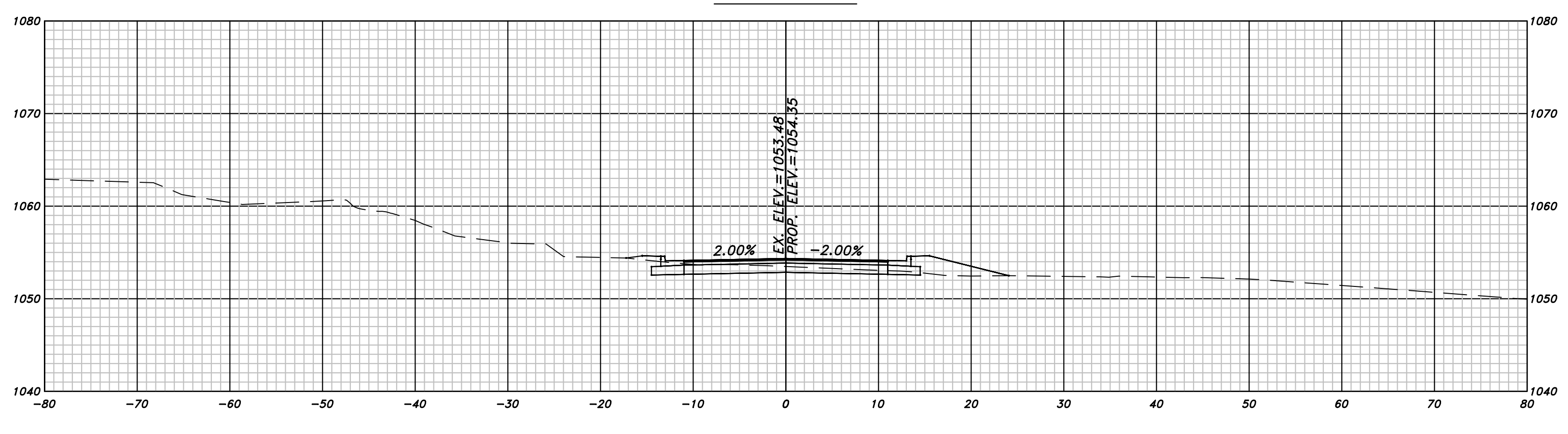
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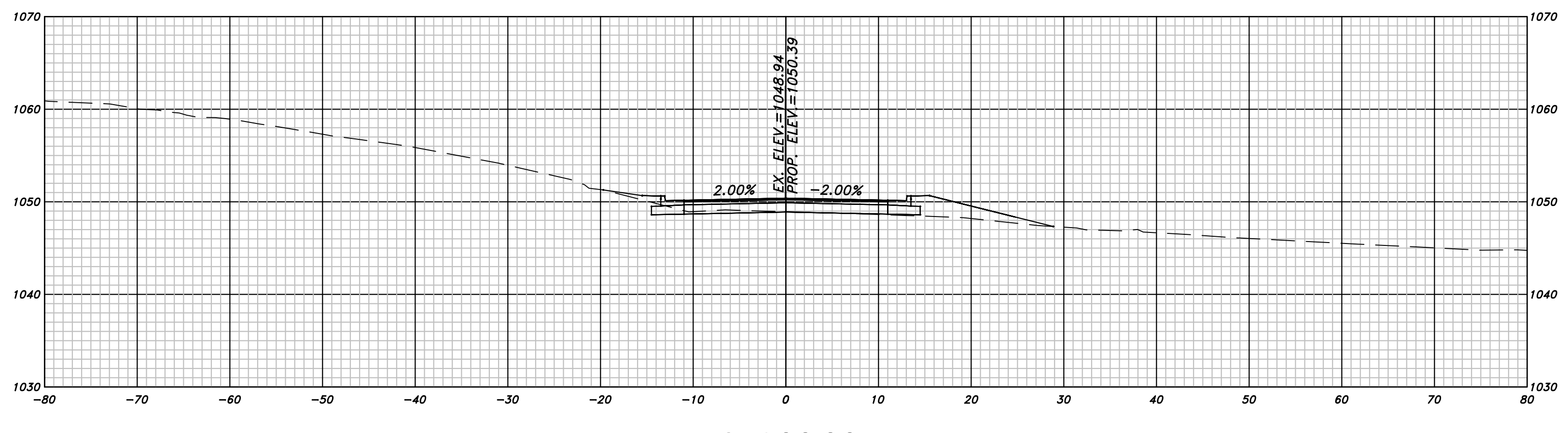
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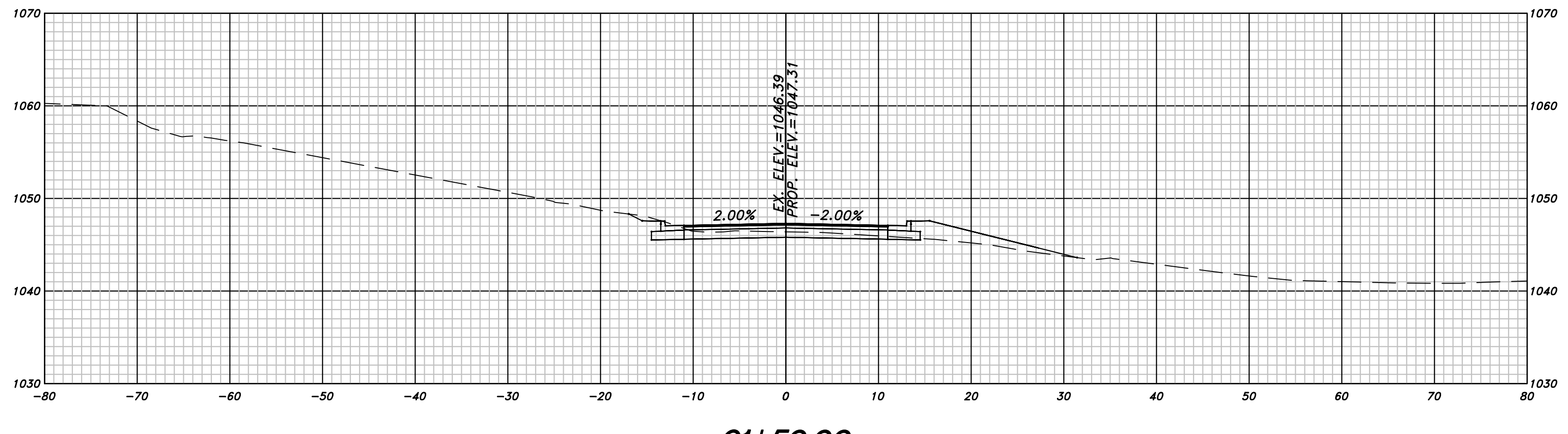
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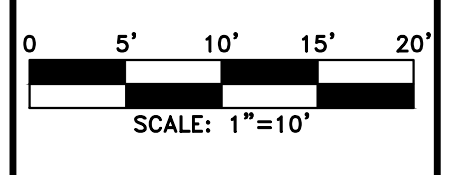
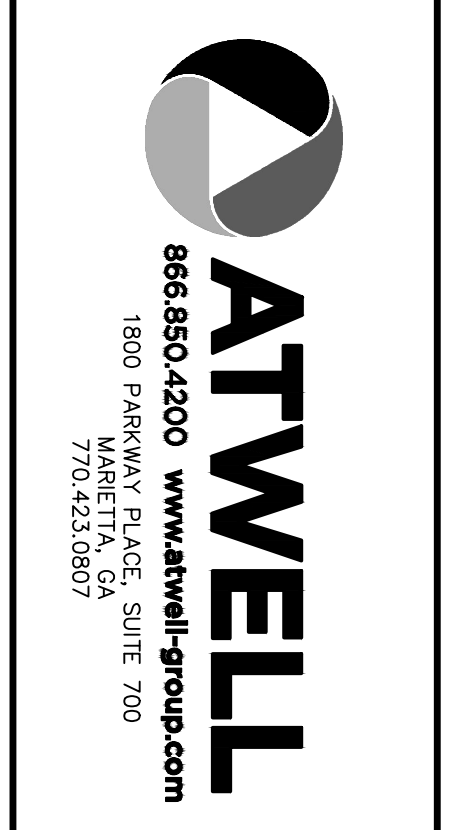


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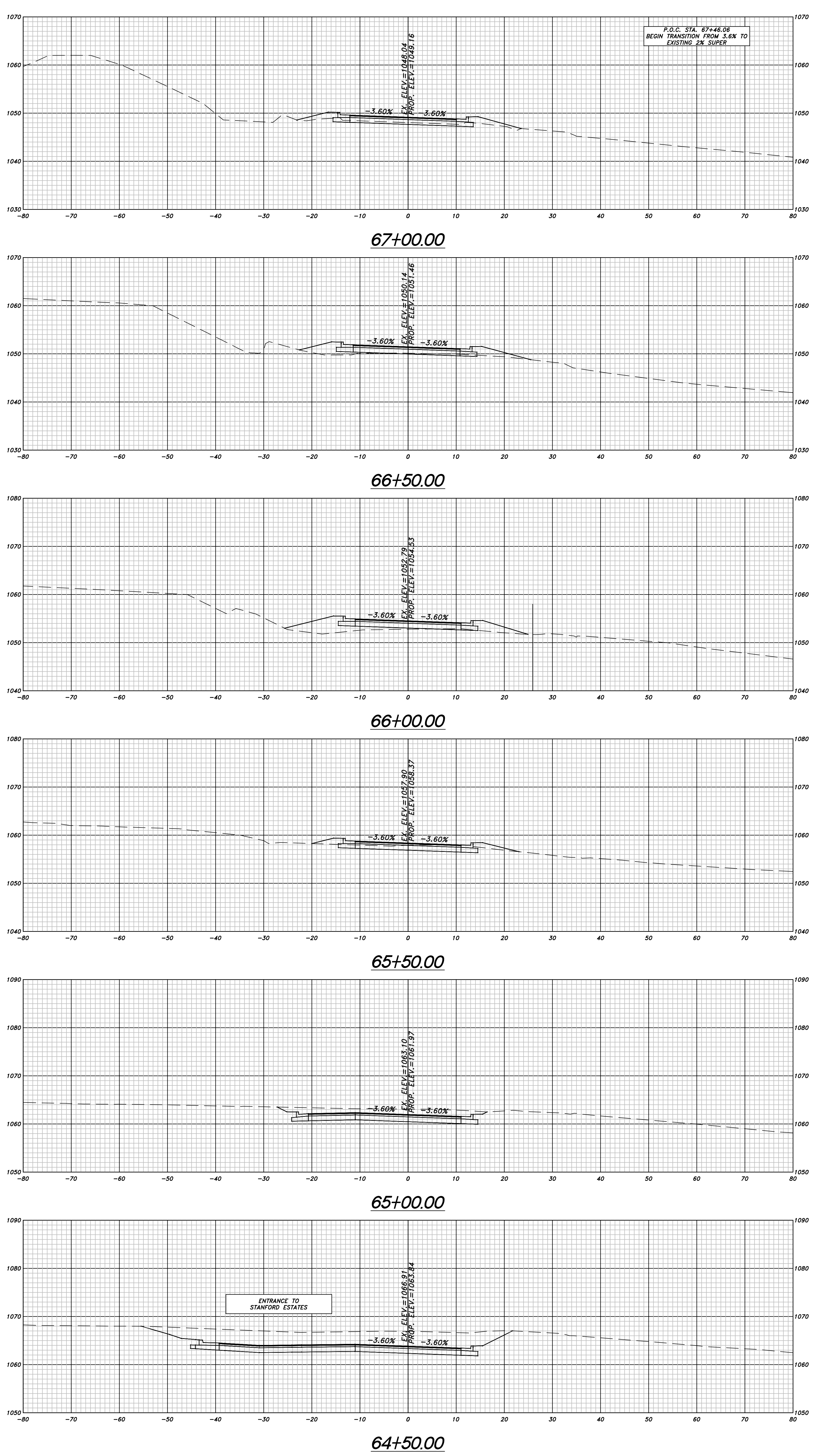


61+50.00

04-16-2019



REVISION DATES	OFFICE:
	CHEROKEE COUNTY DEPARTMENT OF TRANSPORTATION
	CROSS SECTIONS
	HAMERS ROAD
	DRAWING NO. 23-18



04-16-2019



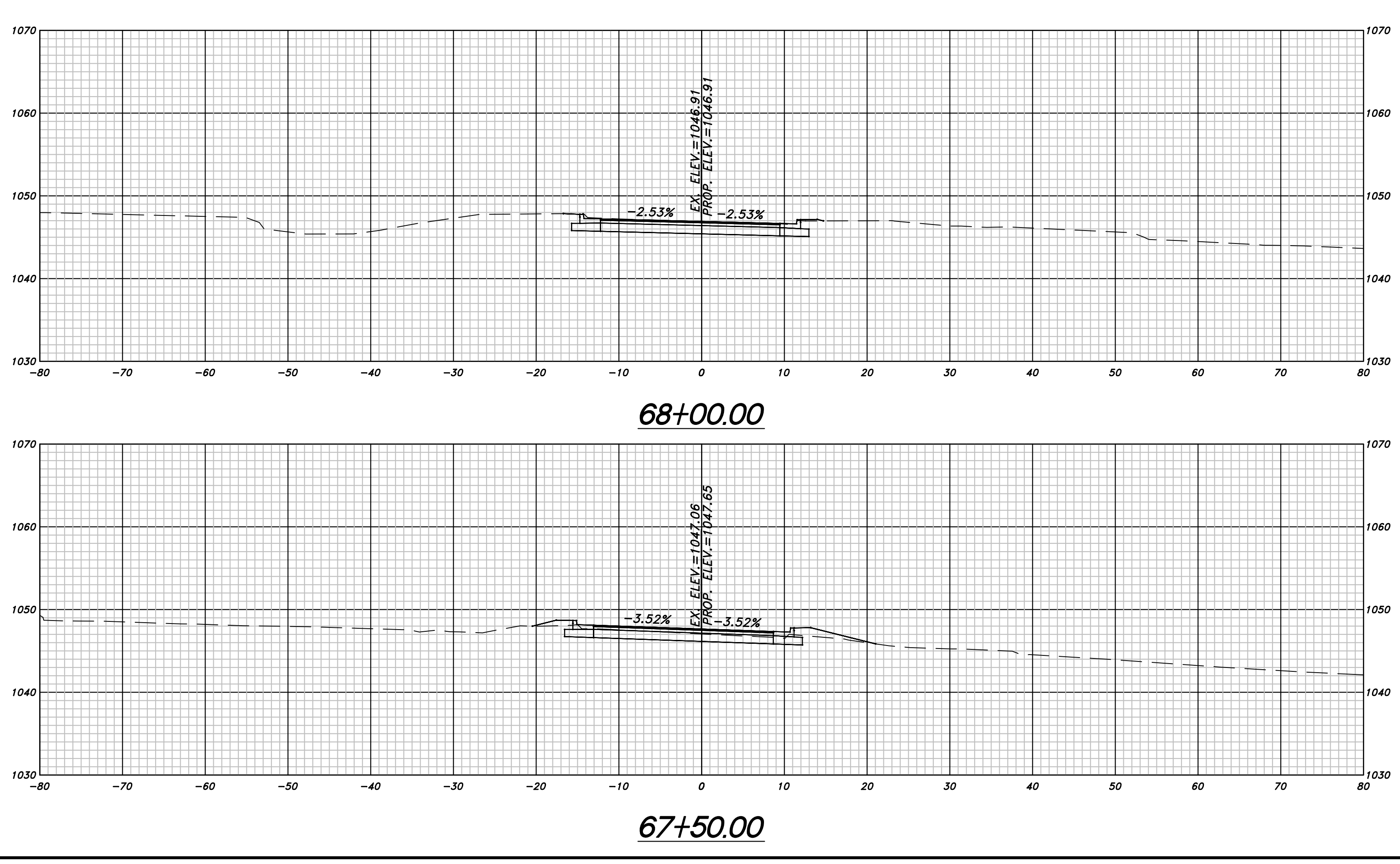
866.950.4200 www.atwell-group.com
 1800 PARKWAY PLACE, SUITE 700
 MARIETTA, GA 770.423.0807

SCALE: 1"=10'

REVISION DATES

OFFICE: CHEROKEE COUNTY DEPARTMENT OF TRANSPORTATION
 CROSS SECTIONS
 HAMES ROAD

DRAWING No. 23-19



04-16-2019



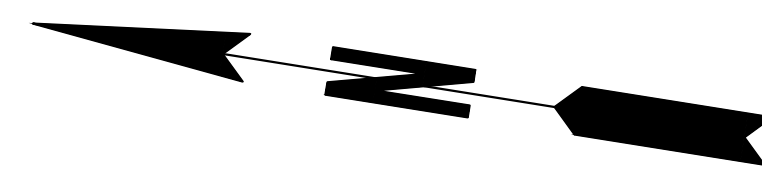
ATWELL
 866.950.4200 www.atwell-group.com
 1800 PARKWAY PLACE, SUITE 700
 MARIETTA, GA 30067
 770.423.0807

SCALE: 1" = 10'

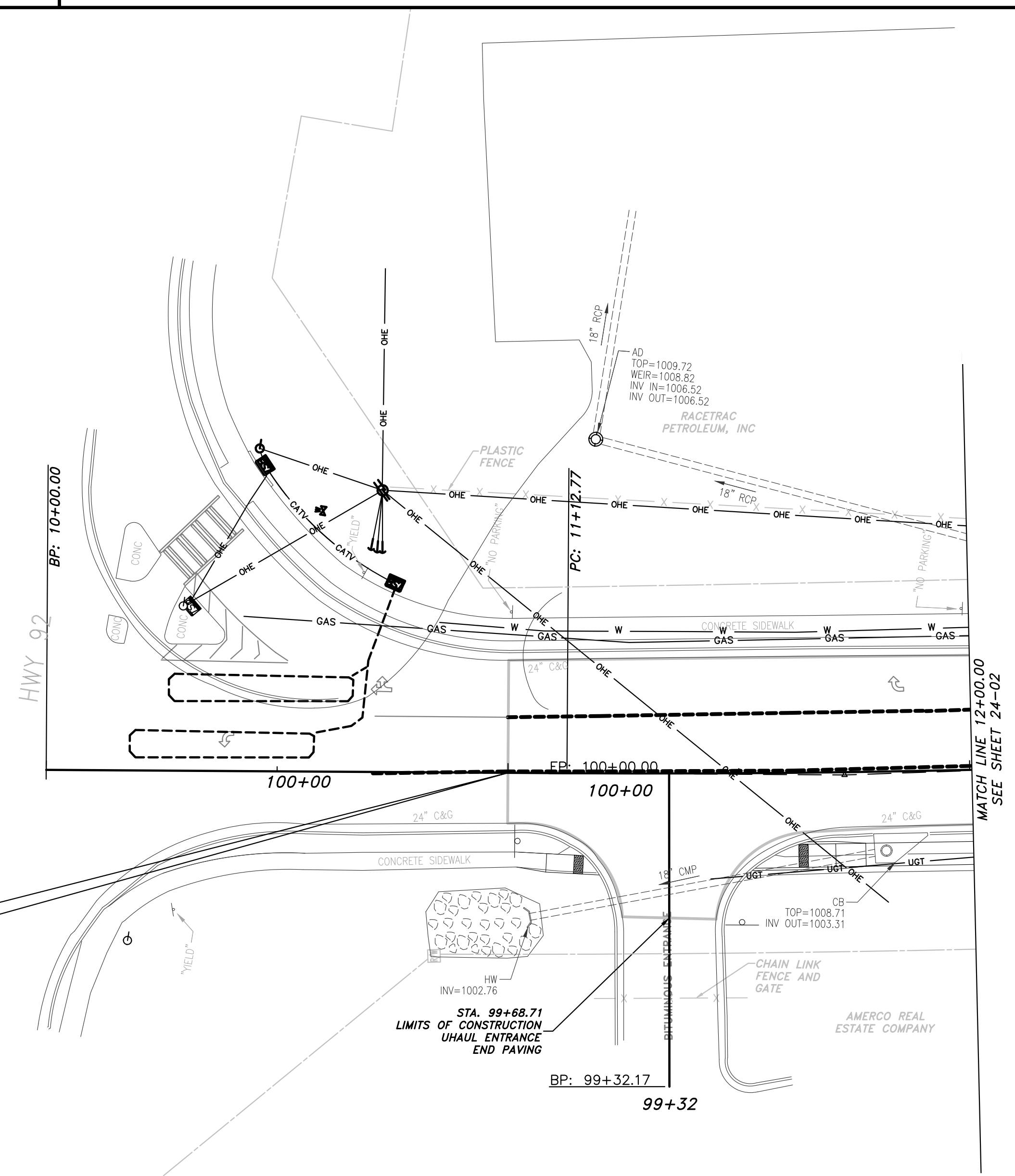
HORIZONTAL 1" = 10'
 VERTICAL 1" = 10'

REVISION DATES	OFFICE:
	CHEROKEE COUNTY DEPARTMENT OF TRANSPORTATION
	CROSS SECTIONS
	HAMERS ROAD

DRAWING NO.
23-20



P.O.T. STA. 11+00.00
BEGIN PROJECT
BEGIN CONSTRUCTION
N 1486530.9505
E 2195980.6190



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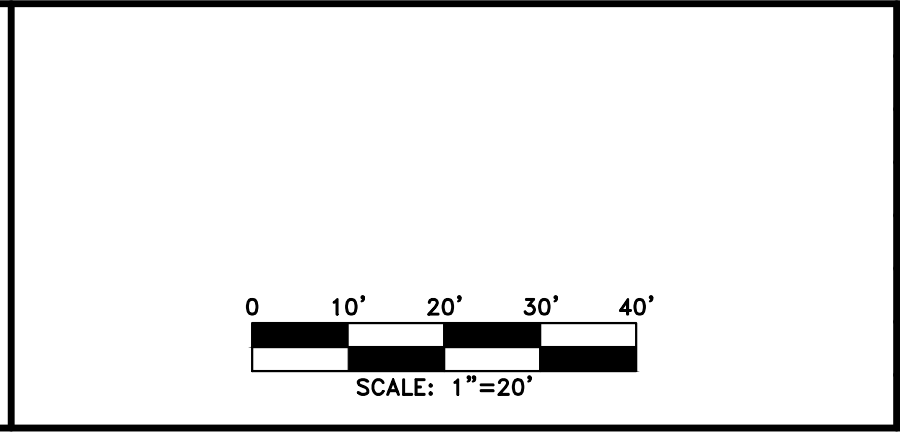
PROPERTY AND EXISTING R/W LINE	— P —
REQUIRED R/W LINE	— G — F —
CONSTRUCTION LIMITS	▨
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES	▧
EASEMENT FOR CONSTR OF SLOPES	▩
EASEMENT FOR CONSTR OF DRIVES	▫

BEGIN LIMIT OF ACCESS.....BLA	— ○ ○ ○ —
END LIMIT OF ACCESS.....ELA	— ○ ○ ○ —
LIMIT OF ACCESS	— III — III —
REQ'D R/W & LIMIT OF ACCESS	— III — III —
PROPOSED 5' WIDE CONC. SIDEWALK	■

ATWELL

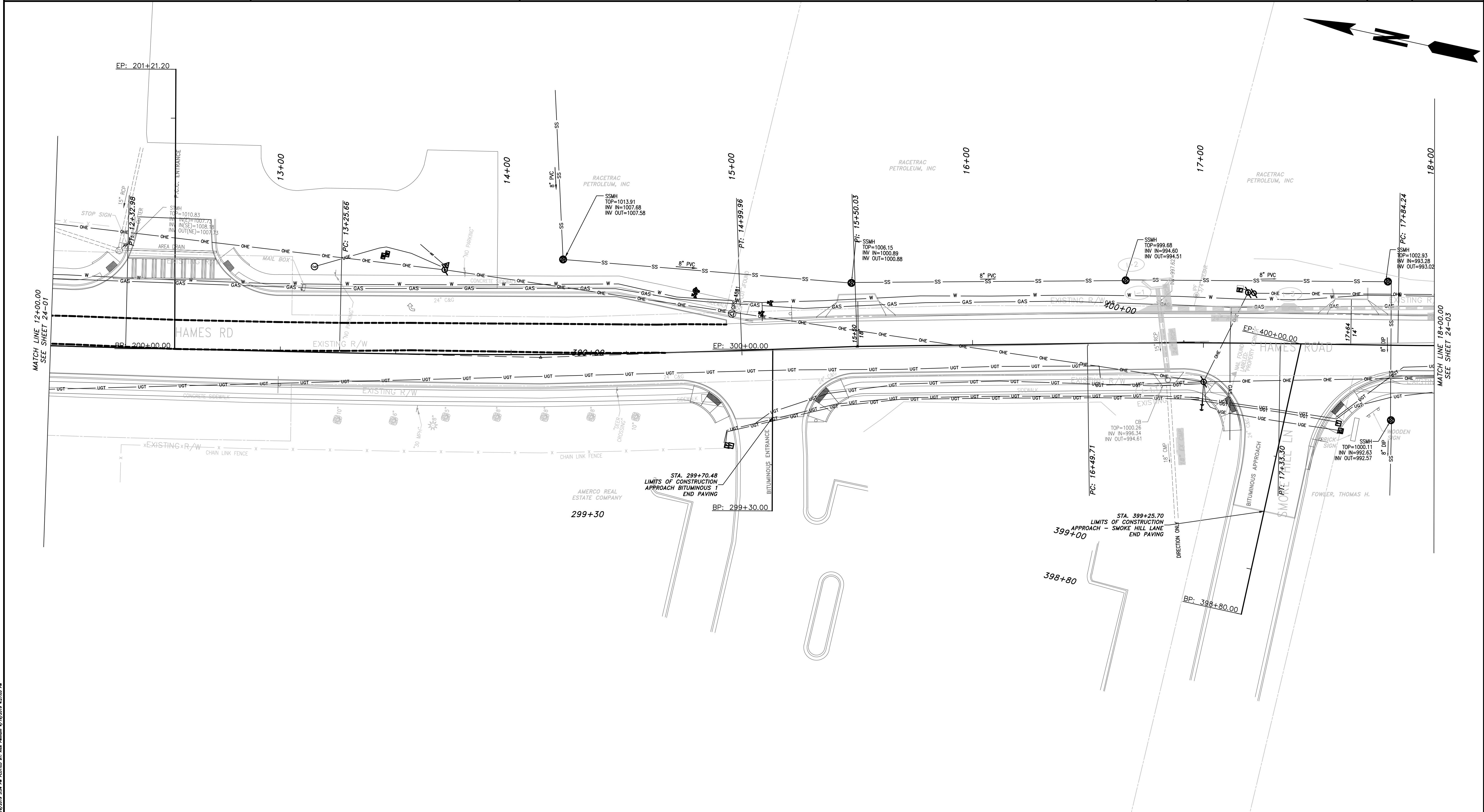
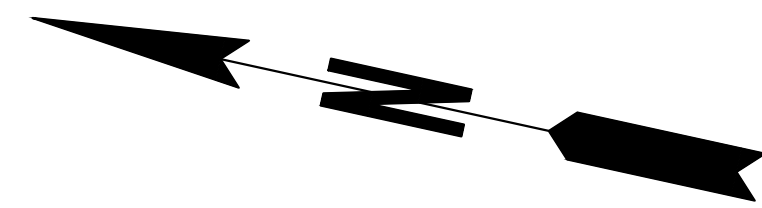
866.850.4200 www.atwell-group.com

1800 PARKWAY PLACE, SUITE 700
MARIETTA, GA
770.423.0807



REVISION DATES		

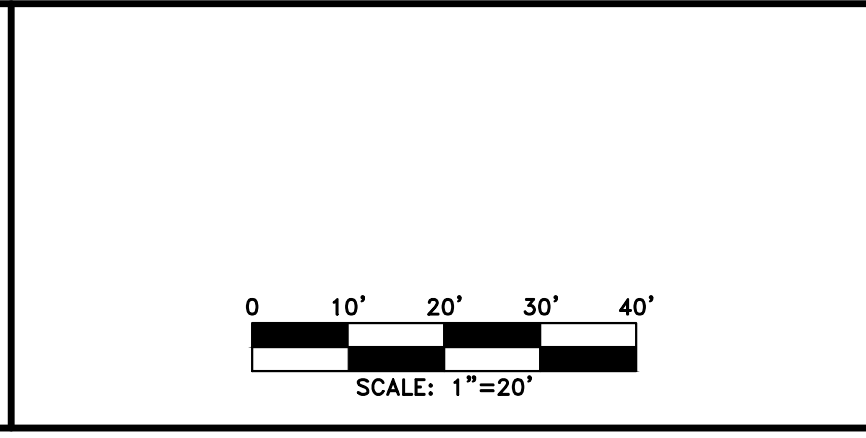
CHEROKEE COUNTY DEPARTMENT OF TRANSPORTATION OFFICE: UTILITIES	STA. 10+00 TO STA 12+00 HAMES ROAD	DRAWING No. 24-01
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PROPERTY AND EXISTING R/W LINE	
REQUIRED R/W LINE	
CONSTRUCTION LIMITS	
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES	
EASEMENT FOR CONSTR OF SLOPES	
EASEMENT FOR CONSTR OF DRIVES	

BEGIN LIMIT OF ACCESS.....BLA	
END LIMIT OF ACCESS.....ELA	
LIMIT OF ACCESS	
REQ'D R/W & LIMIT OF ACCESS	
PROPOSED 5' WIDE CONC. SIDEWALK	

ATWELL
 866.850.4200 www.atwell-group.com
 1800 PARKWAY PLACE, SUITE 700
 MARIETTA, GA 770.423.0807



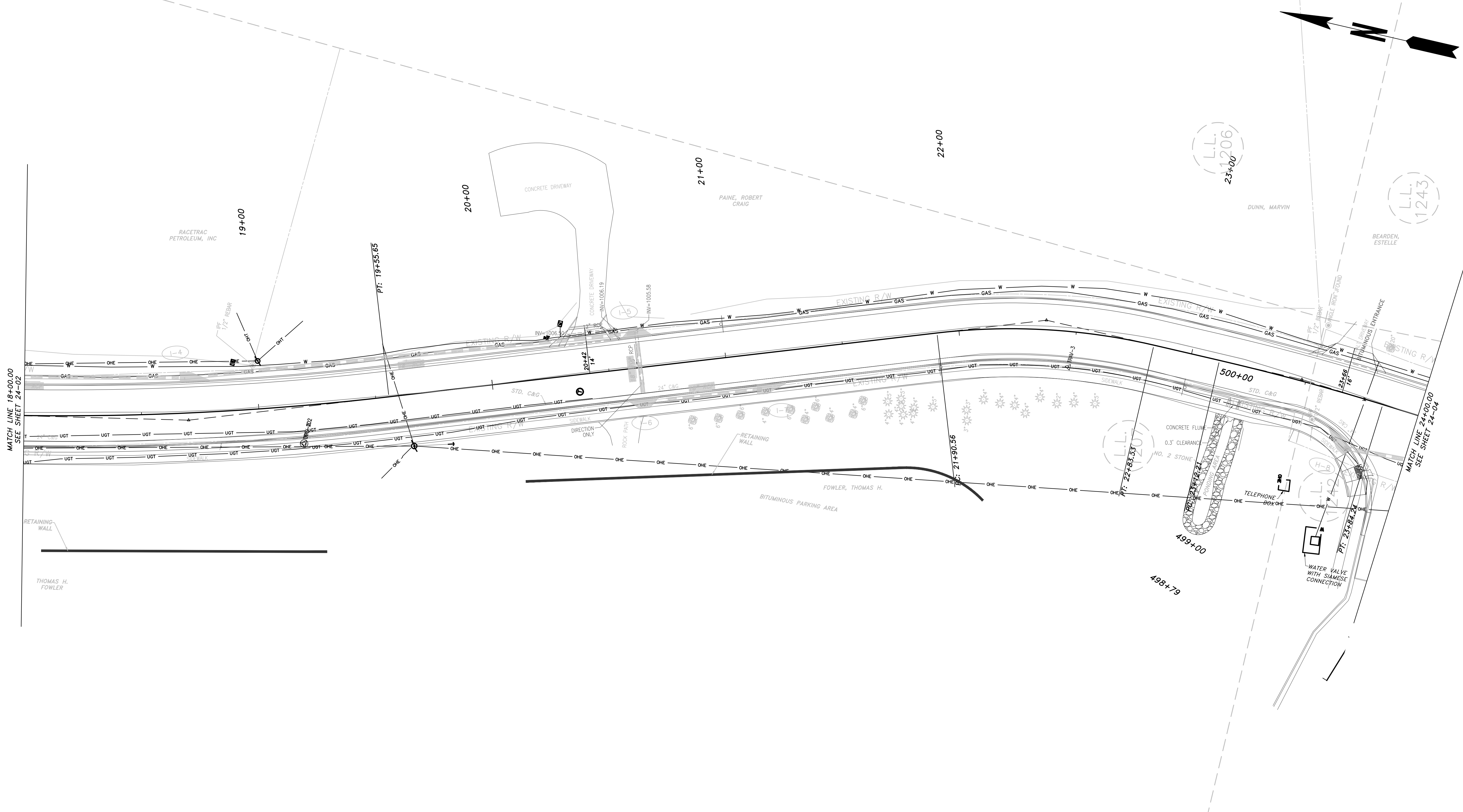
REVISION	DATE	DESCRIPTION

CHEROKEE COUNTY
 DEPARTMENT OF TRANSPORTATION
 OFFICE: UTILITIES

STA. 12+00 TO STA. 18+00
 HAMES ROAD

DRAWING No. 24-02

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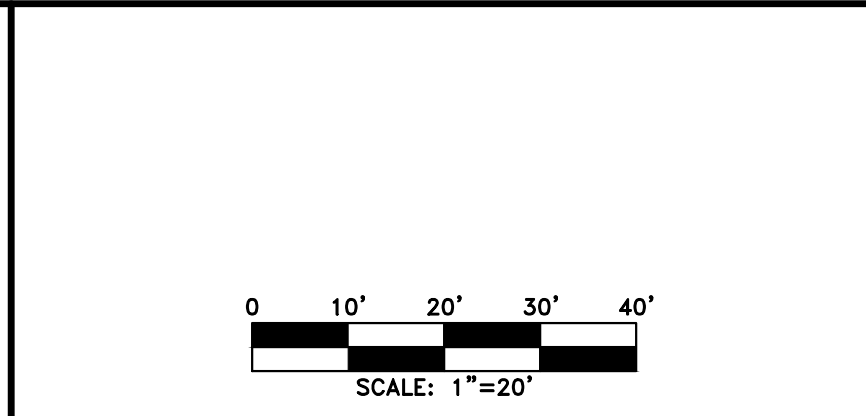


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PROPERTY AND EXISTING R/W LINE REQUIRED R/W LINE CONSTRUCTION LIMITS EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES EASEMENT FOR CONSTR OF SLOPES EASEMENT FOR CONSTR OF DRIVES	<table style="width:100%; border-collapse: collapse;"> <tr><td style="text-align: center;">— P —</td></tr> <tr><td style="text-align: center;">— G — F —</td></tr> <tr><td style="text-align: center;">▨</td></tr> <tr><td style="text-align: center;">▩</td></tr> <tr><td style="text-align: center;">▧</td></tr> </table>	— P —	— G — F —	▨	▩	▧
— P —						
— G — F —						
▨						
▩						
▧						

BEGIN LIMIT OF ACCESS.....BLA END LIMIT OF ACCESS.....ELA LIMIT OF ACCESS REQ'D R/W & LIMIT OF ACCESS	<table style="width:100%; border-collapse: collapse;"> <tr><td style="text-align: center;">— o — o —</td></tr> <tr><td style="text-align: center;">— H — H —</td></tr> </table>	— o — o —	— H — H —
— o — o —			
— H — H —			
PROPOSED 5' WIDE CONC. SIDEWALK			

ATWELL
 866.850.4200 www.atwell-group.com
 1800 PARKWAY PLACE, SUITE 700
 MARIETTA, GA
 770.423.0807



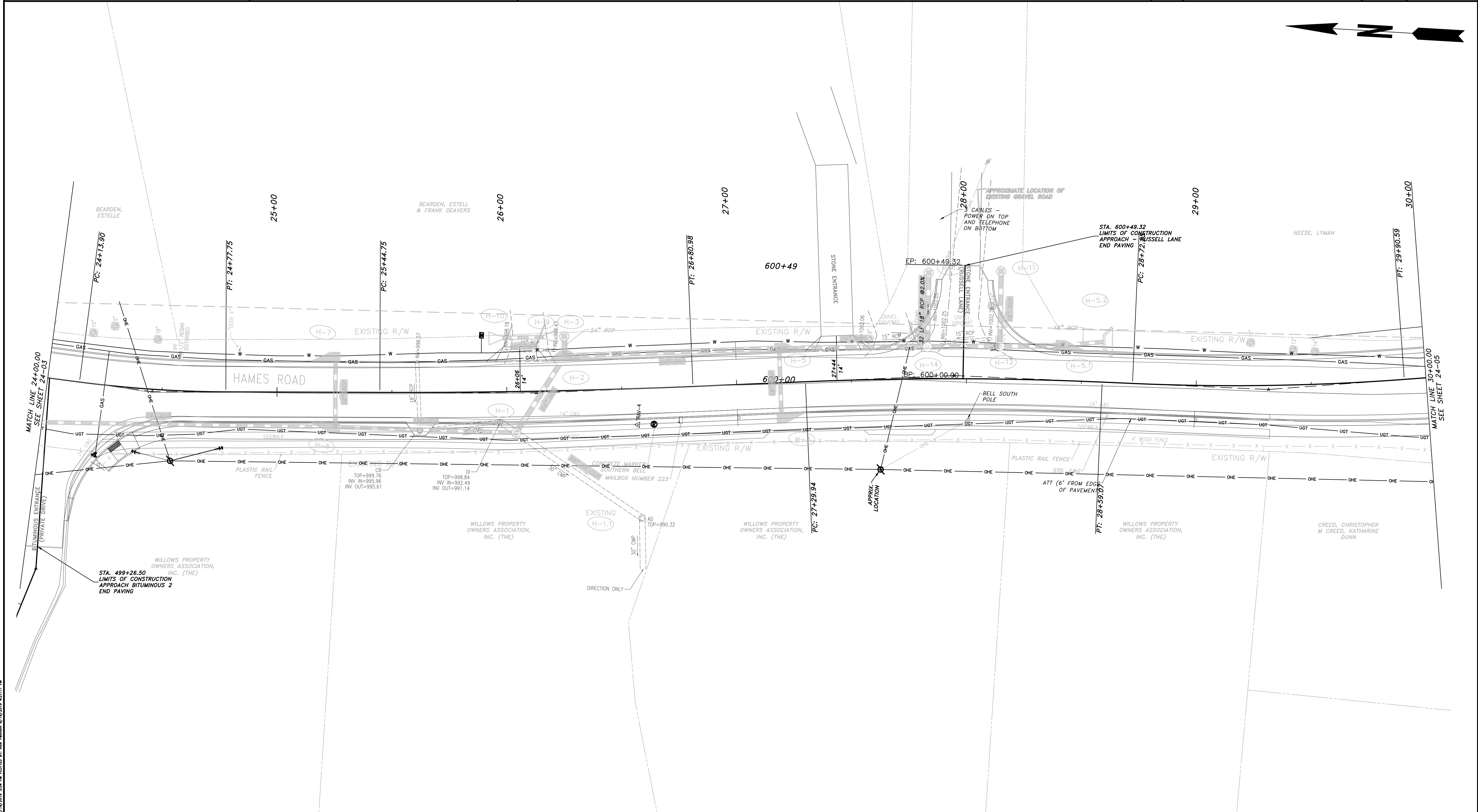
REVISION	DATE	BY	CHECKED	DESCRIPTION

CHEROKEE COUNTY
 DEPARTMENT OF TRANSPORTATION

OFFICE:
 UTILITIES

STA. 18+00 TO 24+00
 HAMES ROAD

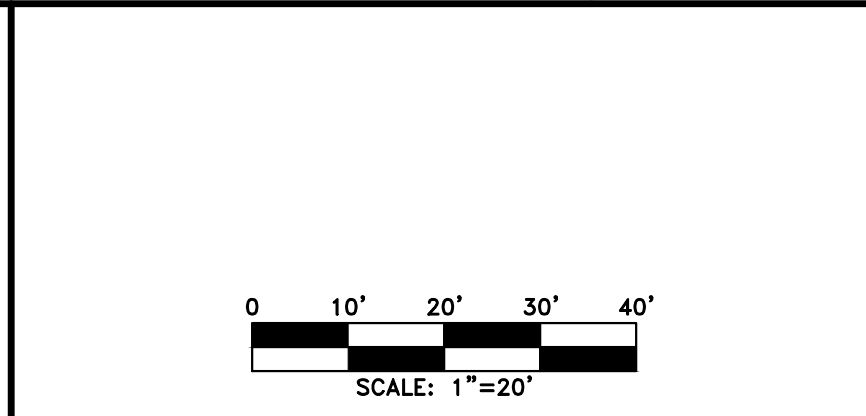
DRAWING No.
 24-03



PROPERTY AND EXISTING R/W LINE	
REQUIRED R/W LINE	
CONSTRUCTION LIMITS	
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES	
EASEMENT FOR CONSTR OF SLOPES	
EASEMENT FOR CONSTR OF DRIVES	

BEGIN LIMIT OF ACCESS.....BLA	
END LIMIT OF ACCESS.....ELA	
LIMIT OF ACCESS	
REQ'D R/W & LIMIT OF ACCESS	
PROPOSED 5' WIDE CONC. SIDEWALK	

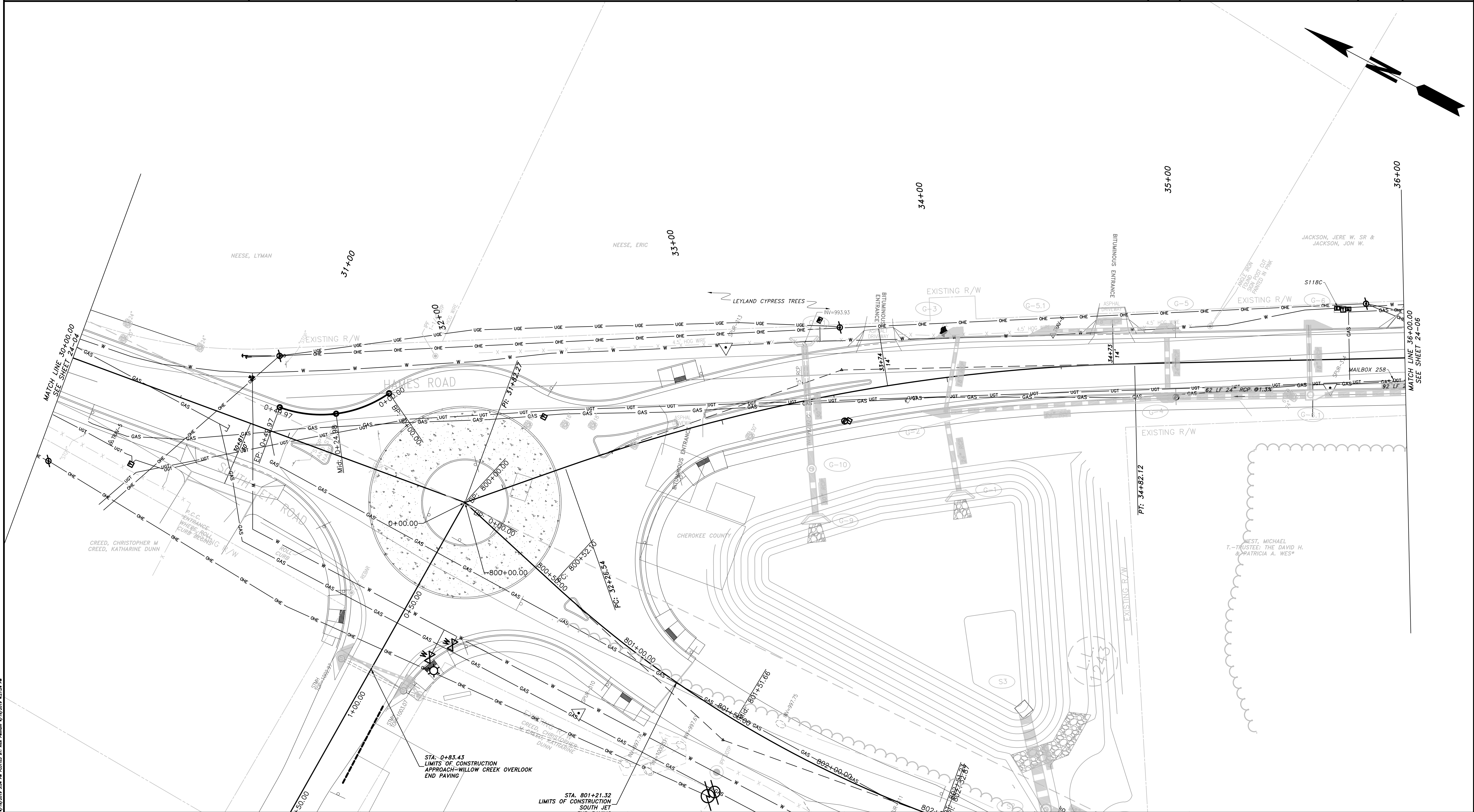
ATWELL
 866.850.4200 www.atwell-group.com
 1800 PARKWAY PLACE, SUITE 700
 MARIETTA, GA 770.423.0807



REVISION	DATE	DESCRIPTION

CHEROKEE COUNTY
 DEPARTMENT OF TRANSPORTATION
 OFFICE: UTILITIES
 STA. 24+00 TO STA. 30+00
 HAMES ROAD
 DRAWING No. 24-04

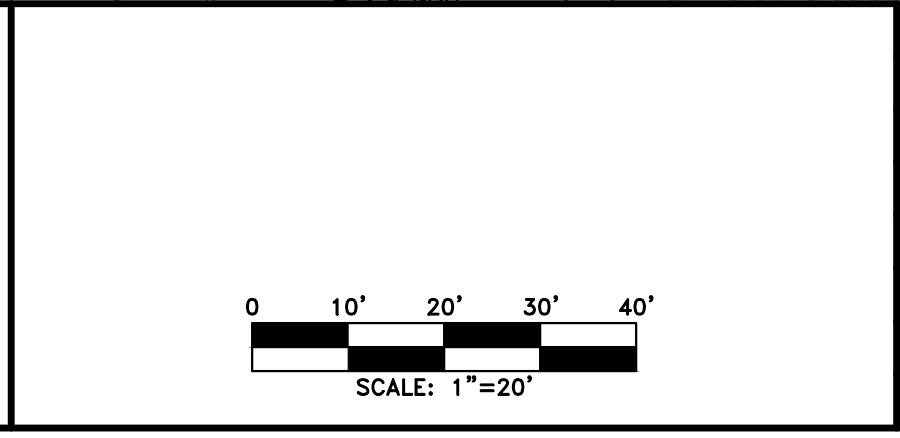
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PROPERTY AND EXISTING R/W LINE REQUIRED R/W LINE CONSTRUCTION LIMITS EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES EASEMENT FOR CONSTR OF SLOPES EASEMENT FOR CONSTR OF DRIVES	<table style="width:100%; border-collapse: collapse;"> <tr> <td style="text-align: center;">P</td> <td style="border-bottom: 1px solid black; width: 20px;"></td> </tr> <tr> <td style="text-align: center;">G</td> <td style="border-bottom: 1px dashed black; width: 20px;"></td> </tr> <tr> <td style="text-align: center;">F</td> <td style="border-bottom: 1px dotted black; width: 20px;"></td> </tr> <tr> <td style="text-align: center;">[Hatched Box]</td> <td style="width: 20px;"></td> </tr> <tr> <td style="text-align: center;">[Hatched Box]</td> <td style="width: 20px;"></td> </tr> <tr> <td style="text-align: center;">[Hatched Box]</td> <td style="width: 20px;"></td> </tr> </table>	P		G		F		[Hatched Box]		[Hatched Box]		[Hatched Box]	
P													
G													
F													
[Hatched Box]													
[Hatched Box]													
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BEGIN LIMIT OF ACCESS.....BLA END LIMIT OF ACCESS.....ELA LIMIT OF ACCESS REQ'D R/W & LIMIT OF ACCESS	<table style="width:100%; border-collapse: collapse;"> <tr> <td style="text-align: center;">[Symbol]</td> <td style="width: 20px;"></td> </tr> <tr> <td style="text-align: center;">[Symbol]</td> <td style="width: 20px;"></td> </tr> <tr> <td style="text-align: center;">[Symbol]</td> <td style="width: 20px;"></td> </tr> </table>	[Symbol]		[Symbol]		[Symbol]	
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PROPOSED 5' WIDE CONC. SIDEWALK							

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 866.850.4200 www.atwell-group.com
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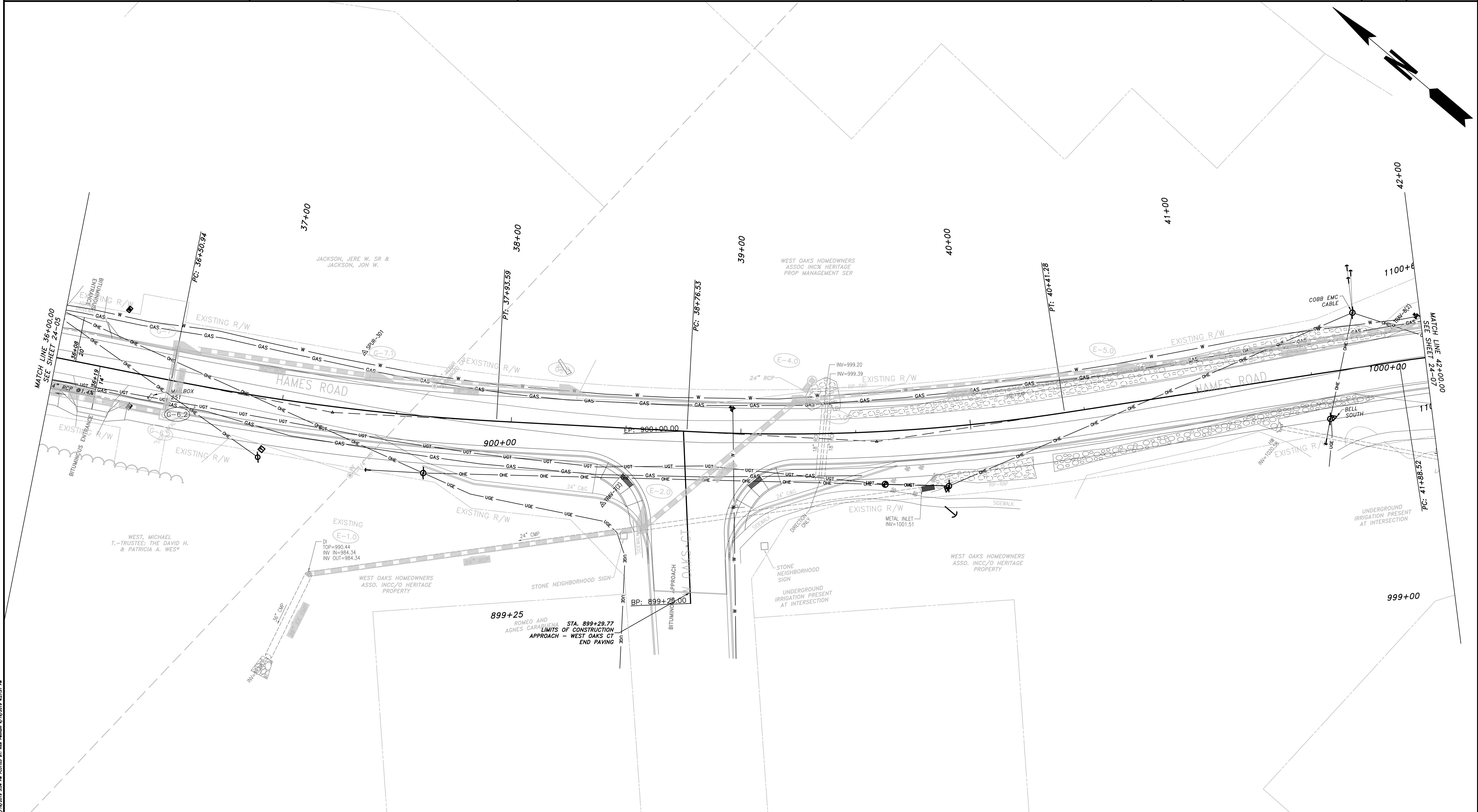
REVISION DATES

CHEROKEE COUNTY
 DEPARTMENT OF TRANSPORTATION

OFFICE:
 UTILITIES

STA. 30+00 TO STA. 36+00
 HAMES ROAD

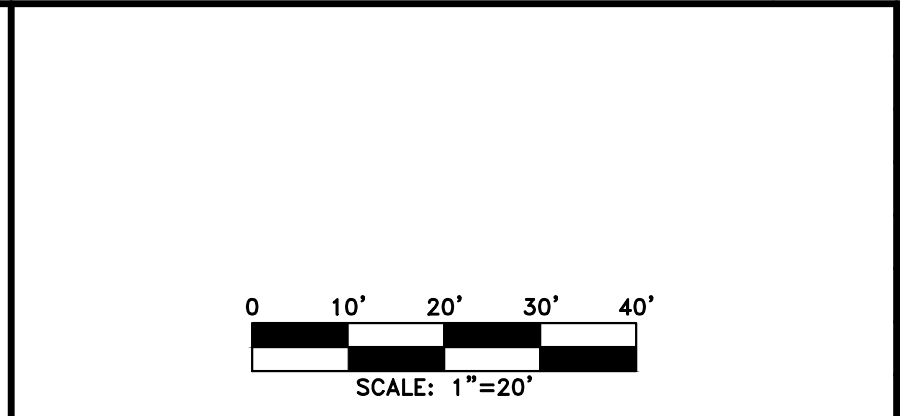
DRAWING No.
 24-05



PROPERTY AND EXISTING R/W LINE REQUIRED R/W LINE CONSTRUCTION LIMITS EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES EASEMENT FOR CONSTR OF SLOPES EASEMENT FOR CONSTR OF DRIVES	<table style="width:100%; border-collapse: collapse;"> <tr> <td style="text-align: center;">— P —</td> </tr> <tr> <td style="text-align: center;">— G —</td> </tr> <tr> <td style="text-align: center;">— F —</td> </tr> <tr> <td style="text-align: center;">[Hatched Box]</td> </tr> <tr> <td style="text-align: center;">[Hatched Box]</td> </tr> <tr> <td style="text-align: center;">[Hatched Box]</td> </tr> </table>	— P —	— G —	— F —	[Hatched Box]	[Hatched Box]	[Hatched Box]
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BEGIN LIMIT OF ACCESS.....BLA END LIMIT OF ACCESS.....ELA LIMIT OF ACCESS REQ'D R/W & LIMIT OF ACCESS	<table style="width:100%; border-collapse: collapse;"> <tr> <td style="text-align: center;">— o — o —</td> </tr> <tr> <td style="text-align: center;">— — —</td> </tr> </table>	— o — o —	— — —
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PROPOSED 5' WIDE CONC. SIDEWALK [Solid Black Box]			

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REVISION	DATE	BY	CHECKED	DESCRIPTION

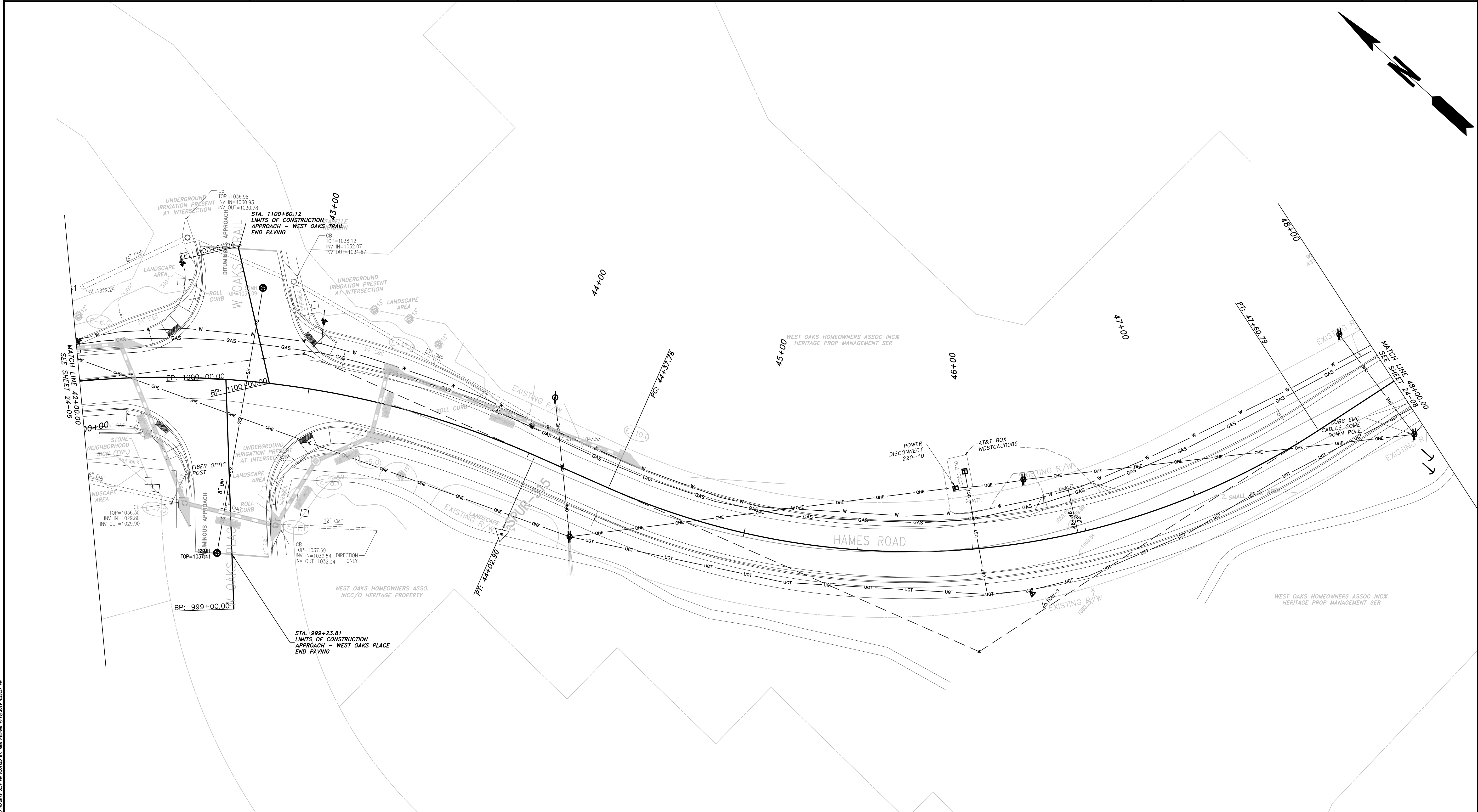
CHEROKEE COUNTY
 DEPARTMENT OF TRANSPORTATION

OFFICE:
 UTILITIES

STA. 36+00 TO STA. 42+00
 HAMES ROAD

DRAWING No.
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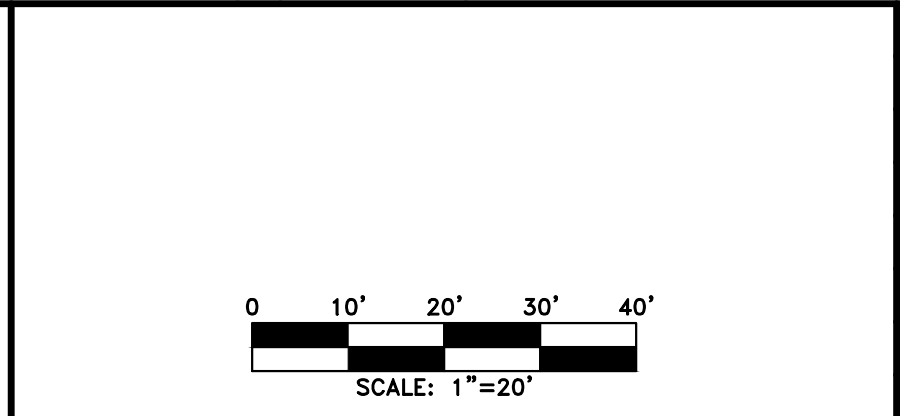
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PROPERTY AND EXISTING R/W LINE	
REQUIRED R/W LINE	
CONSTRUCTION LIMITS	
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES	
EASEMENT FOR CONSTR OF SLOPES	
EASEMENT FOR CONSTR OF DRIVES	

BEGIN LIMIT OF ACCESS.....BLA	
END LIMIT OF ACCESS.....ELA	
LIMIT OF ACCESS	
REQ'D R/W & LIMIT OF ACCESS	
PROPOSED 5' WIDE CONC. SIDEWALK	

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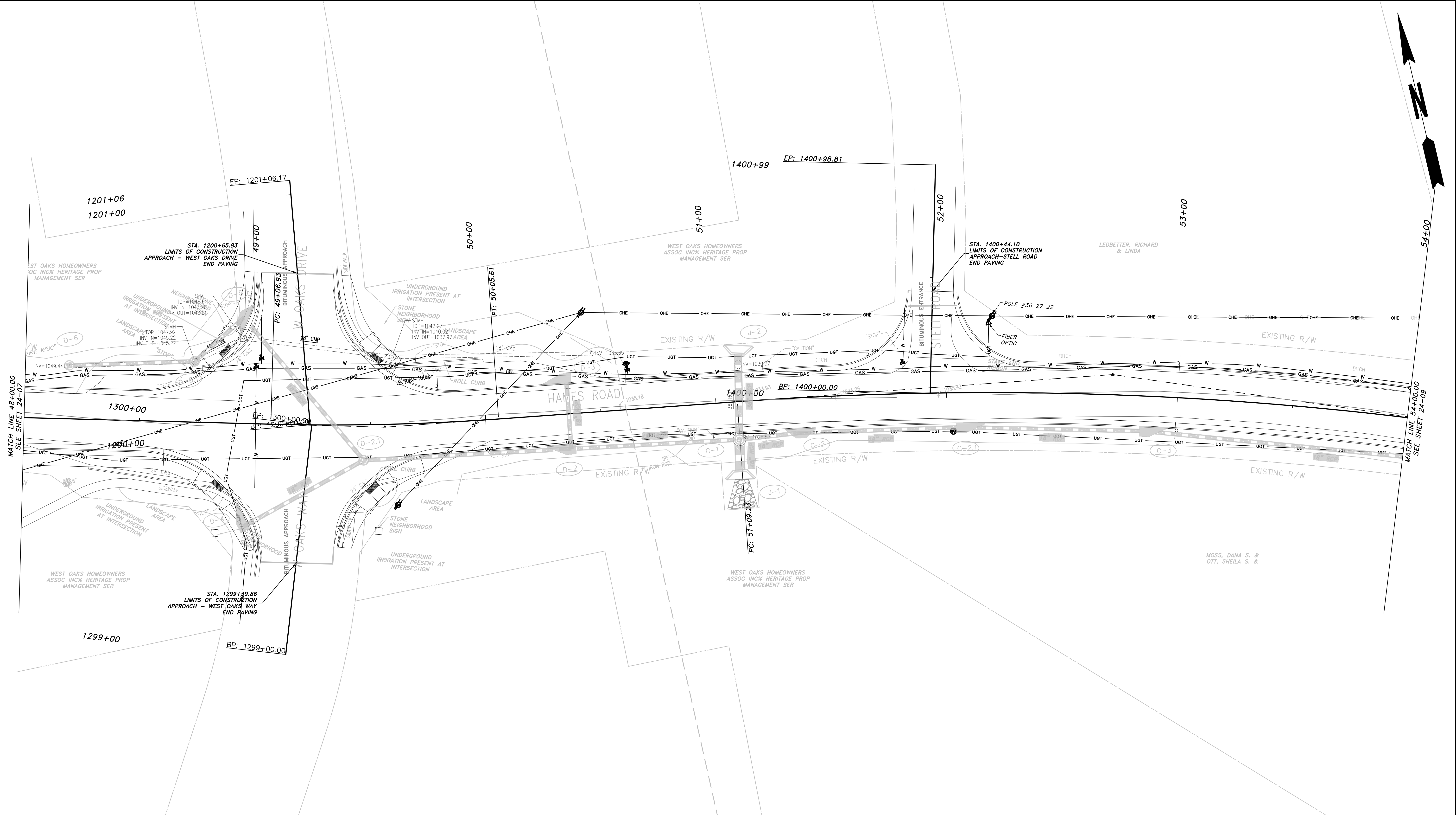
REVISION	DATE	DESCRIPTION

CHEROKEE COUNTY
 DEPARTMENT OF TRANSPORTATION
 OFFICE: UTILITIES

STA 42+00 TO STA. 48+00
 HAMES ROAD

DRAWING No. 24-07

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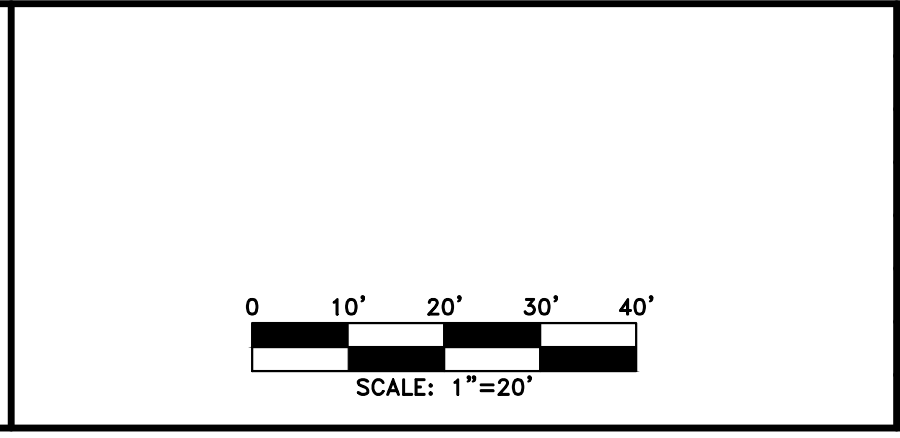


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PROPERTY AND EXISTING R/W LINE	
REQUIRED R/W LINE	
CONSTRUCTION LIMITS	
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES	
EASEMENT FOR CONSTR OF SLOPES	
EASEMENT FOR CONSTR OF DRIVES	

BEGIN LIMIT OF ACCESS.....BLA	
END LIMIT OF ACCESS.....ELA	
LIMIT OF ACCESS	
REQ'D R/W & LIMIT OF ACCESS	
PROPOSED 5' WIDE CONC. SIDEWALK	

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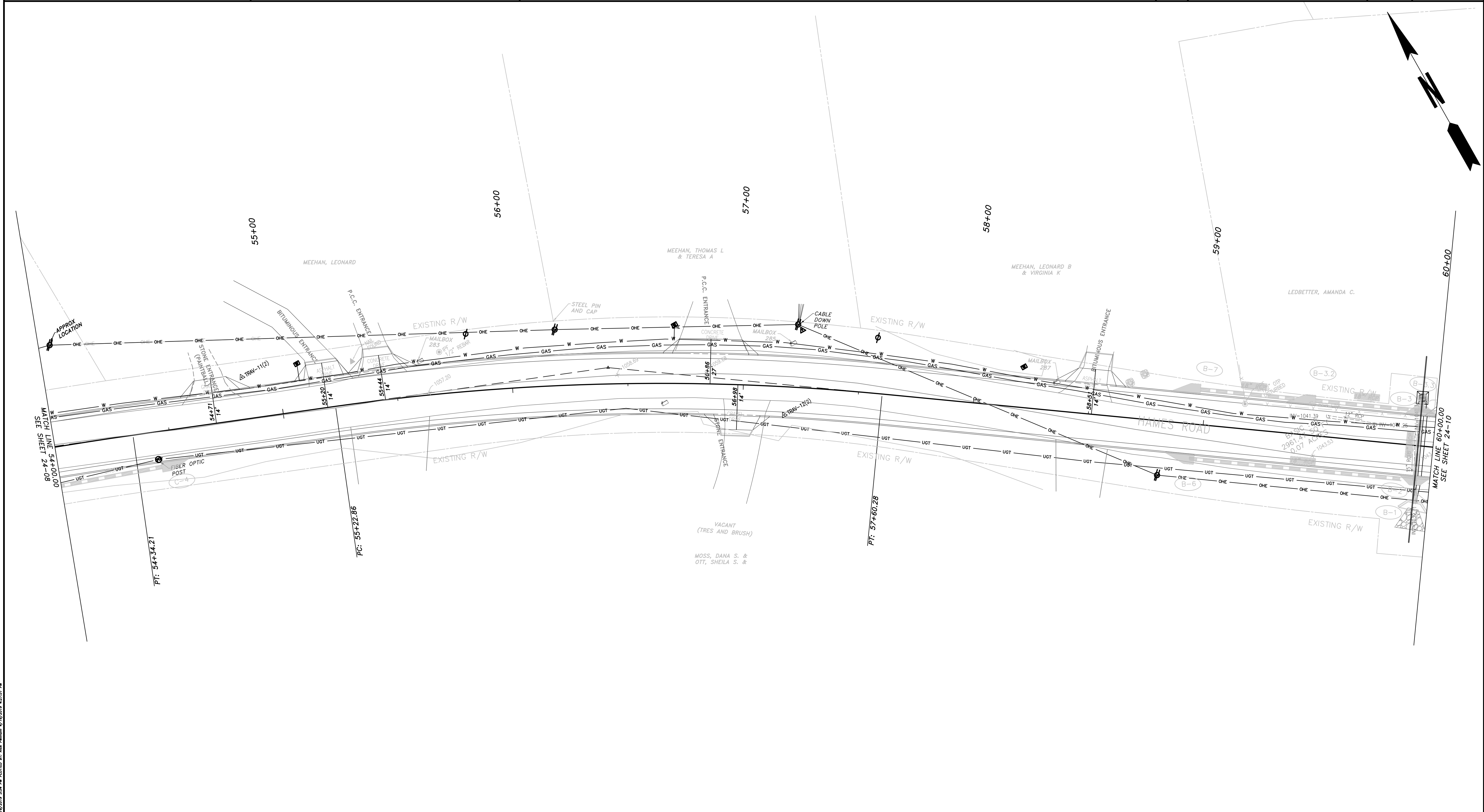


REVISION	DATE	DESCRIPTION

CHEROKEE COUNTY
 DEPARTMENT OF TRANSPORTATION
 OFFICE: UTILITIES

STA. 48+00 TO STA. 54+00
 HAMES ROAD

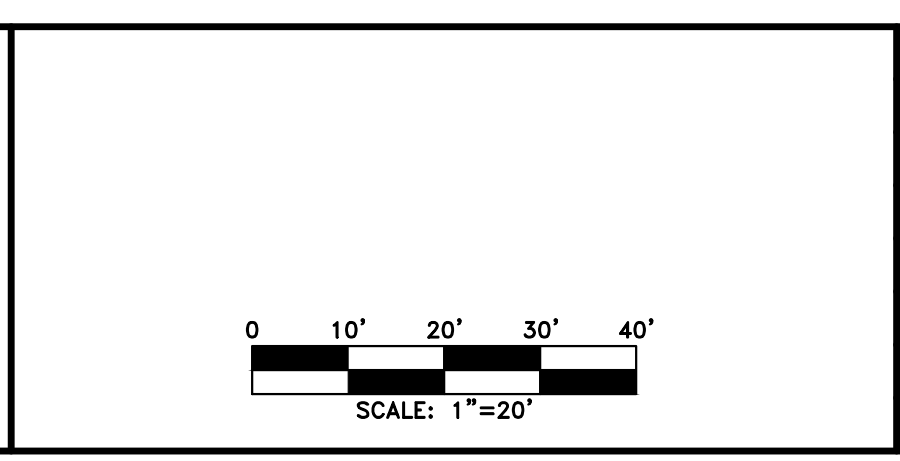
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PROPERTY AND EXISTING R/W LINE REQUIRED R/W LINE CONSTRUCTION LIMITS EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES EASEMENT FOR CONSTR OF SLOPES EASEMENT FOR CONSTR OF DRIVES	<table style="width:100%; border-collapse: collapse;"> <tr> <td style="text-align: center;">— P —</td> </tr> <tr> <td style="text-align: center;">— G — F —</td> </tr> <tr> <td style="text-align: center;"> </td> </tr> <tr> <td style="text-align: center;"> </td> </tr> <tr> <td style="text-align: center;"> </td> </tr> </table>	— P —	— G — F —			
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BEGIN LIMIT OF ACCESS.....BLA END LIMIT OF ACCESS.....ELA LIMIT OF ACCESS REQ'D R/W & LIMIT OF ACCESS	<table style="width:100%; border-collapse: collapse;"> <tr> <td style="text-align: center;">— o o o — o o o —</td> </tr> <tr> <td style="text-align: center;">— — —</td> </tr> </table>	— o o o — o o o —	— — —
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PROPOSED 5' WIDE CONC. SIDEWALK			

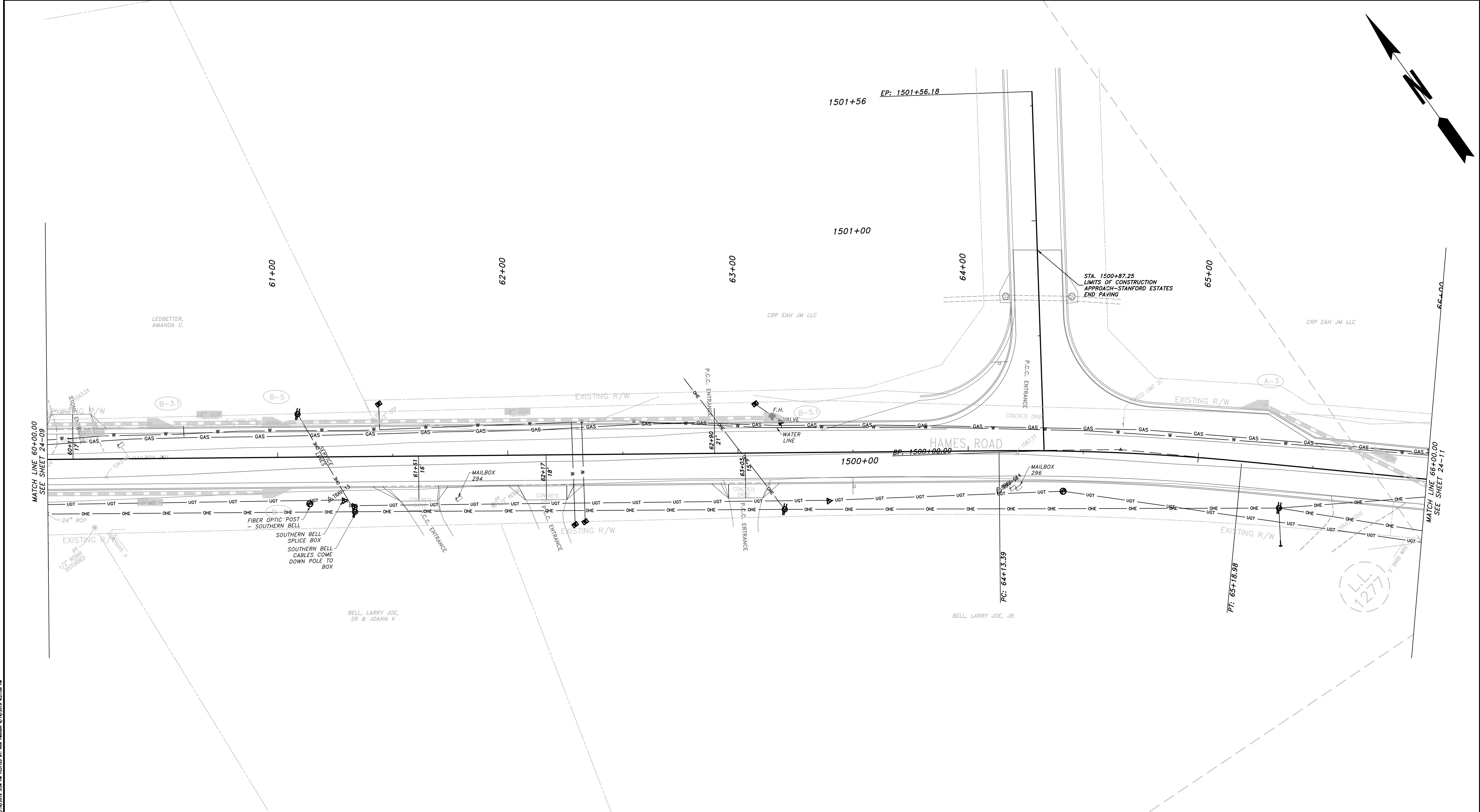
ATWELL
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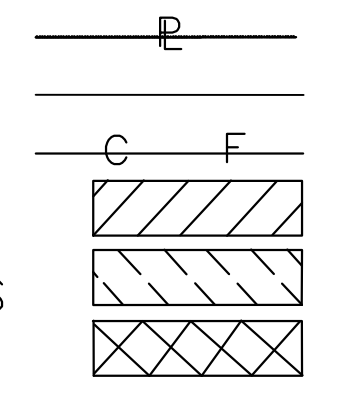
REVISION DATES		

CHEROKEE COUNTY DEPARTMENT OF TRANSPORTATION	
OFFICE: UTILITIES	
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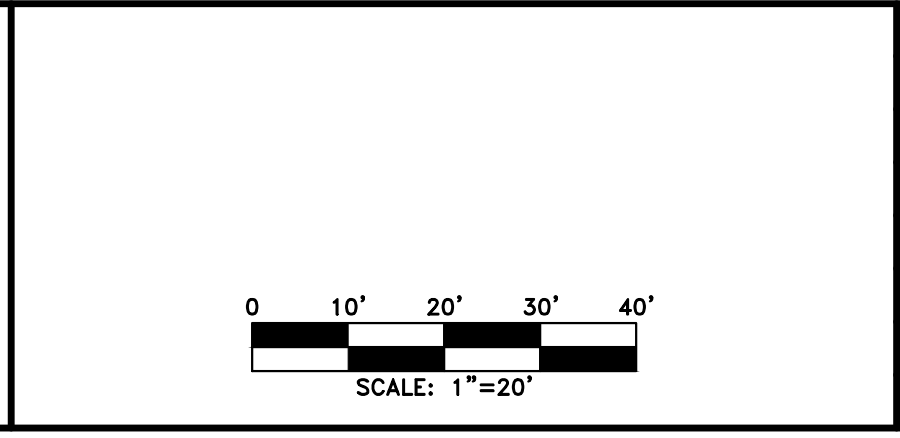
PROPERTY AND EXISTING R/W LINE
 REQUIRED R/W LINE
 CONSTRUCTION LIMITS
 EASEMENT FOR CONSTR
 & MAINTENANCE OF SLOPES
 EASEMENT FOR CONSTR OF SLOPES
 EASEMENT FOR CONSTR OF DRIVES



BEGIN LIMIT OF ACCESS.....BLA
 END LIMIT OF ACCESS.....ELA
 LIMIT OF ACCESS
 REQ'D R/W & LIMIT OF ACCESS

PROPOSED 5' WIDE CONC. SIDEWALK

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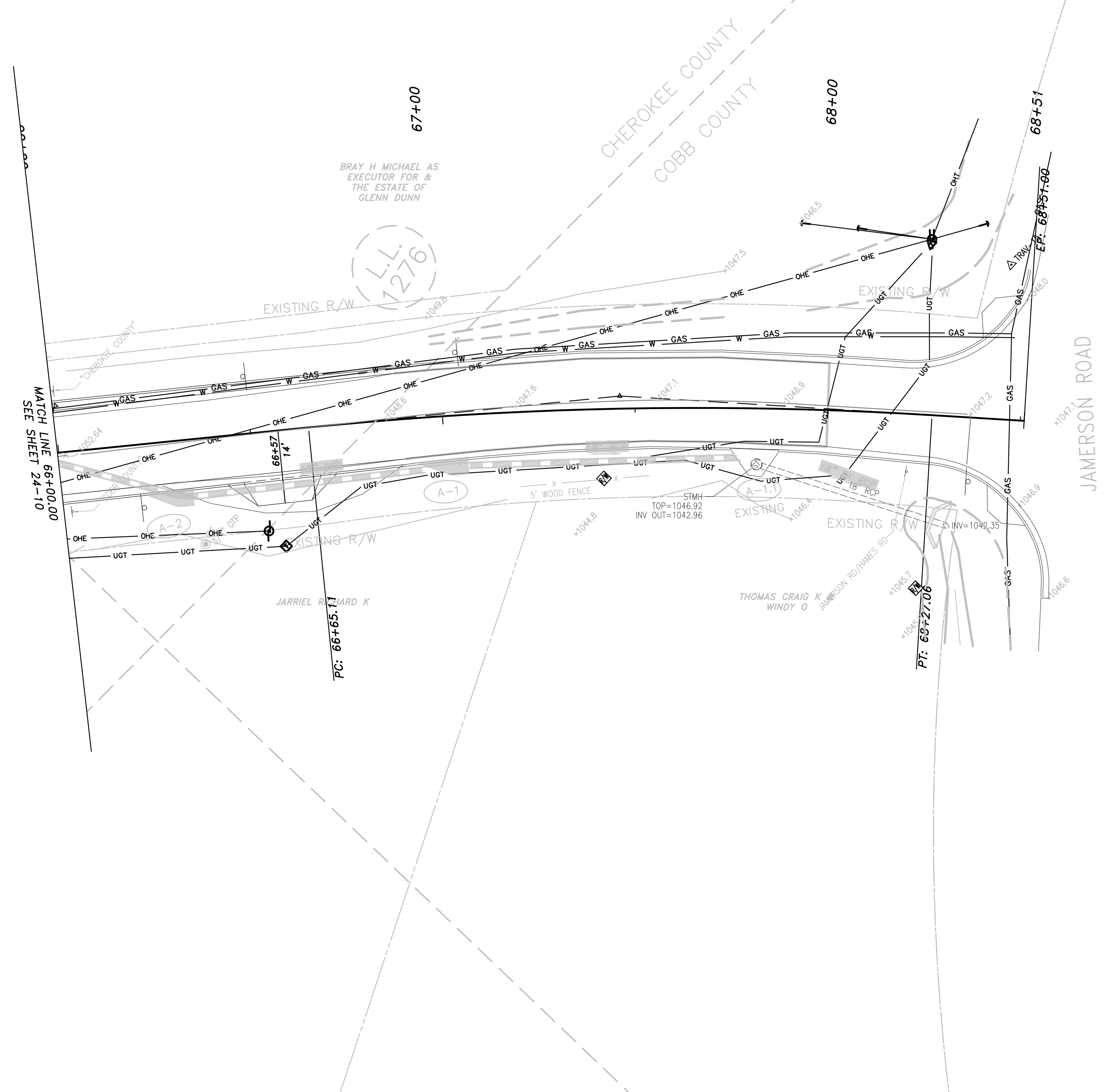
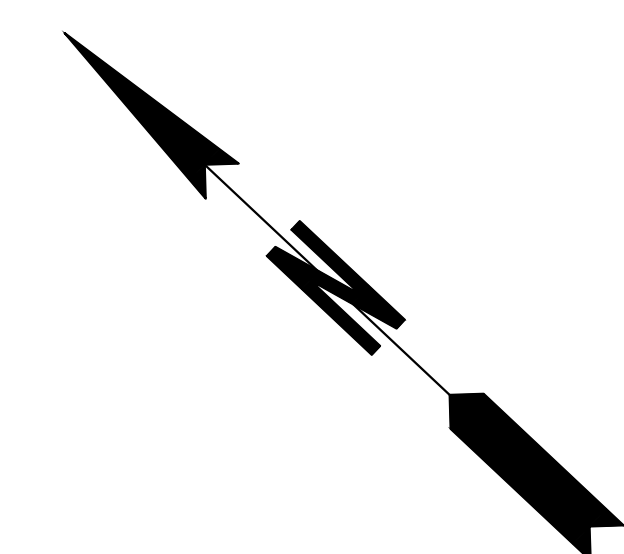
REVISION DATES	

CHEROKEE COUNTY
 DEPARTMENT OF TRANSPORTATION
 OFFICE:
 UTILITIES

STA. 60+00 TO STA. 66+00
 HAMES ROAD

DRAWING No.
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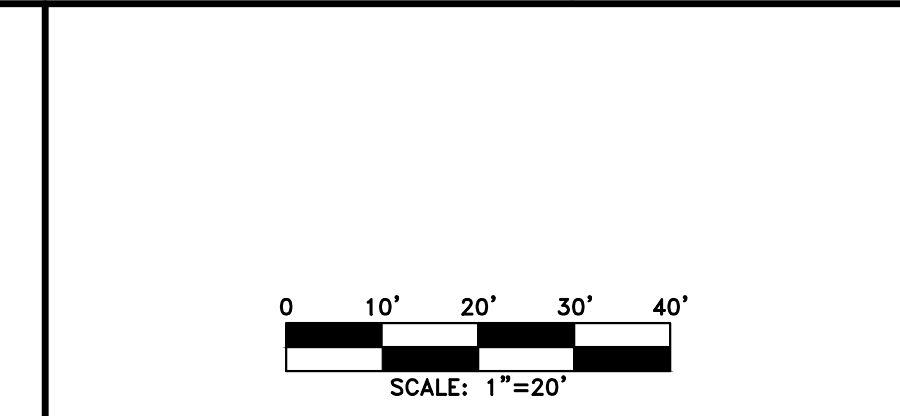


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PROPERTY AND EXISTING R/W LINE REQUIRED R/W LINE CONSTRUCTION LIMITS EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES EASEMENT FOR CONSTR OF SLOPES EASEMENT FOR CONSTR OF DRIVES	
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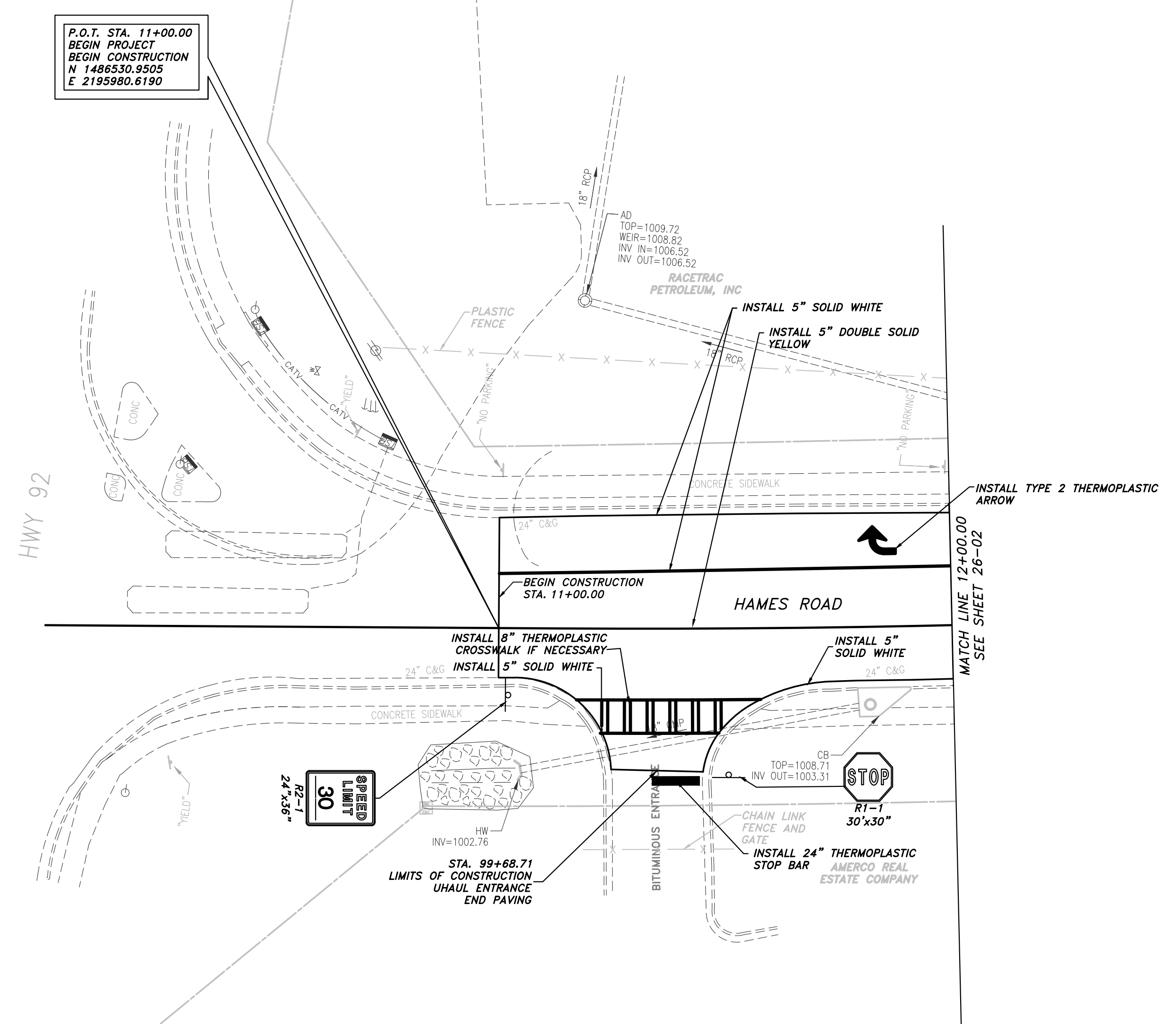
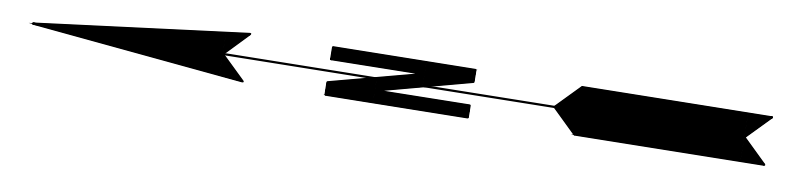
BEGIN LIMIT OF ACCESS.....BLA END LIMIT OF ACCESS.....ELA LIMIT OF ACCESS REQ'D R/W & LIMIT OF ACCESS	
PROPOSED 5' WIDE CONC. SIDEWALK	

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REVISION	DATE	DESCRIPTION

CHEROKEE COUNTY DEPARTMENT OF TRANSPORTATION OFFICE: UTILITIES	STA. 66+00 TO STA. 68+48.35 HAMES ROAD	DRAWING No. 24-11
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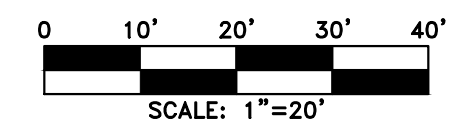


PROPERTY AND EXISTING R/W LINE	— P —
REQUIRED R/W LINE	— G —
CONSTRUCTION LIMITS	— F —
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES	[Hatched Box]
EASEMENT FOR CONSTR OF SLOPES	[Hatched Box]
EASEMENT FOR CONSTR OF DRIVES	[Hatched Box]

BEGIN LIMIT OF ACCESS.....BLA	— o — o —
END LIMIT OF ACCESS.....ELA	— o — o —
LIMIT OF ACCESS	— o — o —
REQ'D R/W & LIMIT OF ACCESS	— III — III —
PROPOSED 5' WIDE CONC. SIDEWALK [Solid Black Box]	

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REVISION DATES		

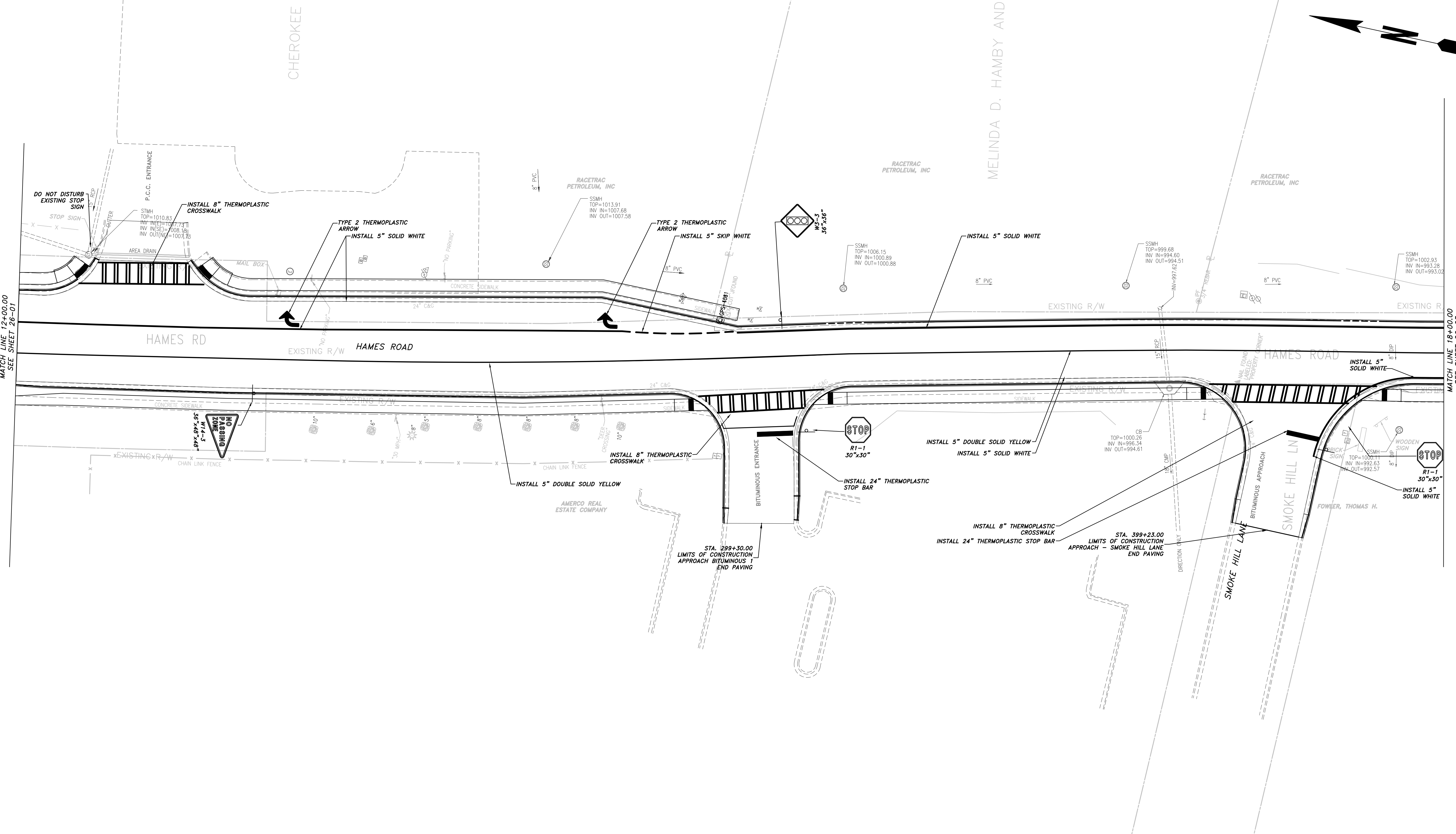
CHEROKEE COUNTY
DEPARTMENT OF TRANSPORTATION

OFFICE: **SIGNING AND MARKING PLAN**

STA. 10+00 TO STA 12+00
HAMES ROAD

DRAWING No.	26-01
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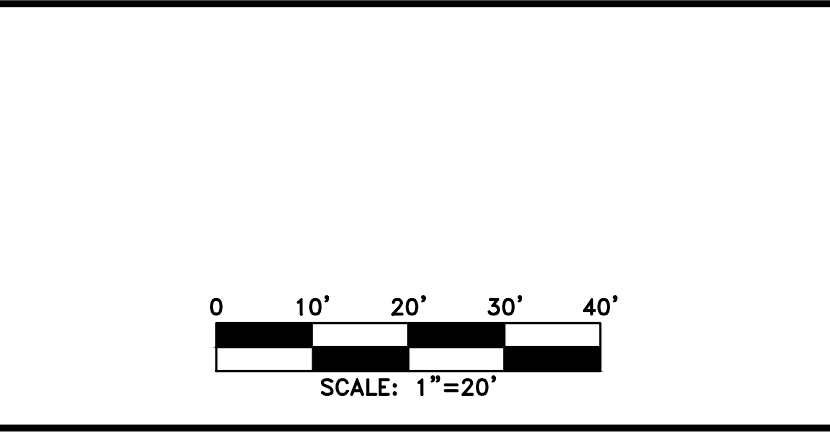
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PROPERTY AND EXISTING R/W LINE	
REQUIRED R/W LINE	
CONSTRUCTION LIMITS	
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES	
EASEMENT FOR CONSTR OF SLOPES	
EASEMENT FOR CONSTR OF DRIVES	

BEGIN LIMIT OF ACCESS.....BLA	
END LIMIT OF ACCESS.....ELA	
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REQ'D R/W & LIMIT OF ACCESS	
PROPOSED 5' WIDE CONC. SIDEWALK	

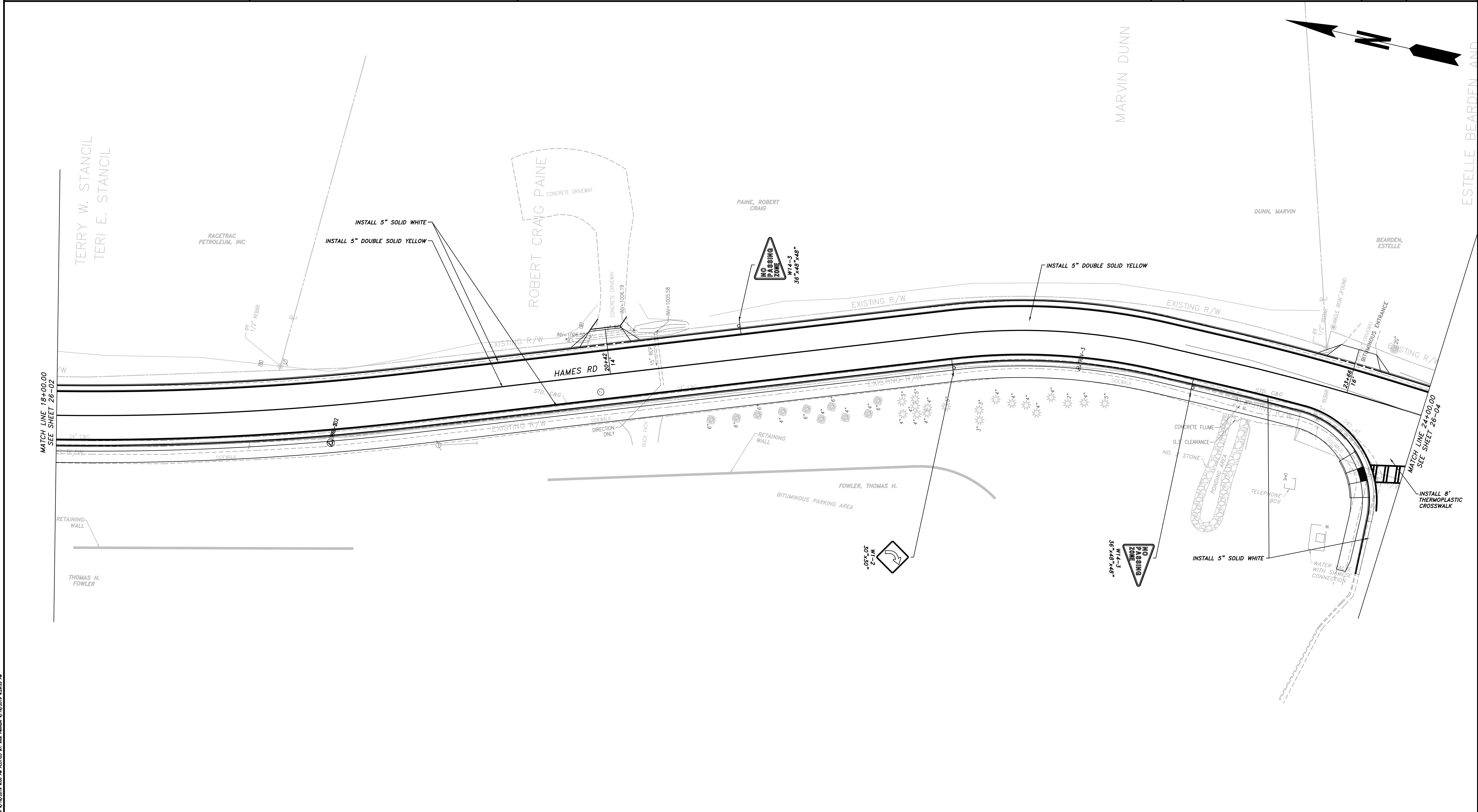
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REVISION	DATE	DESCRIPTION

CHEROKEE COUNTY
 DEPARTMENT OF TRANSPORTATION
 OFFICE: SIGNING AND MARKING PLAN
 STA. 12+00 TO STA. 18+00
 HAMES ROAD
 DRAWING No. 26-02

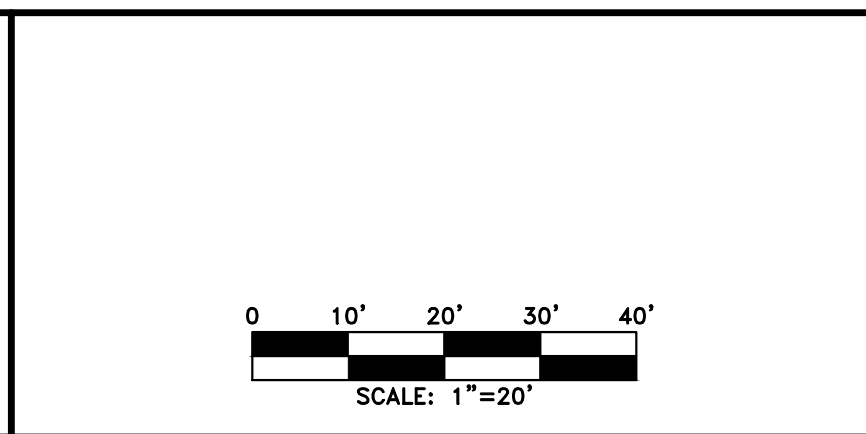
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PROPERTY AND EXISTING R/W LINE	
REQUIRED R/W LINE	
CONSTRUCTION LIMITS	
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES	
EASEMENT FOR CONSTR OF SLOPES	
EASEMENT FOR CONSTR OF DRIVES	

BEGIN LIMIT OF ACCESS.....BLA	
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LIMIT OF ACCESS	
REQ'D R/W & LIMIT OF ACCESS	
PROPOSED 5' WIDE CONC. SIDEWALK	

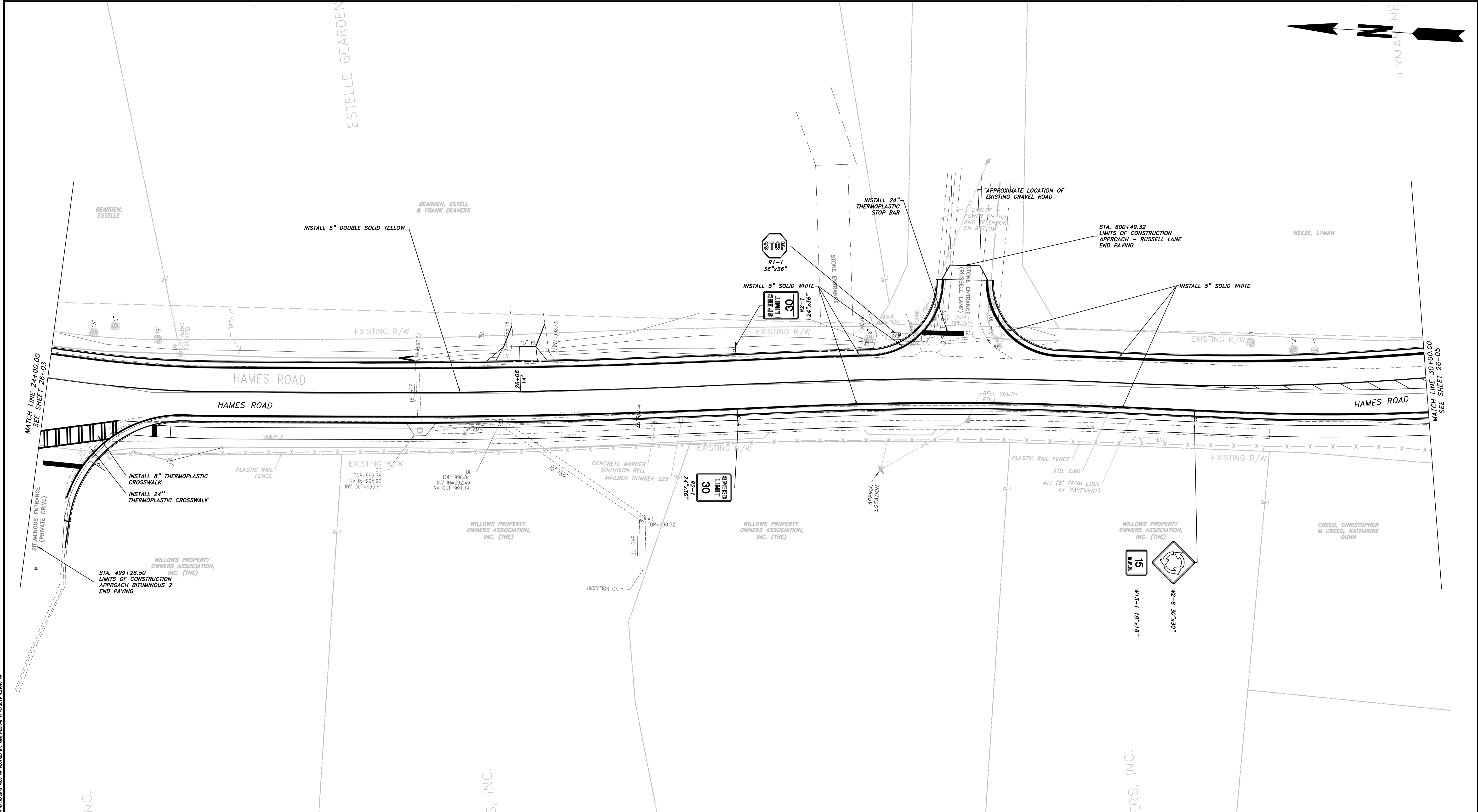
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REVISION	DATE	DESCRIPTION

CHEROKEE COUNTY
 DEPARTMENT OF TRANSPORTATION
 OFFICE: SIGNING AND MARKING PLAN
 STA. 18+00 TO 24+00
 HAMES ROAD
 DRAWING No. 26-03

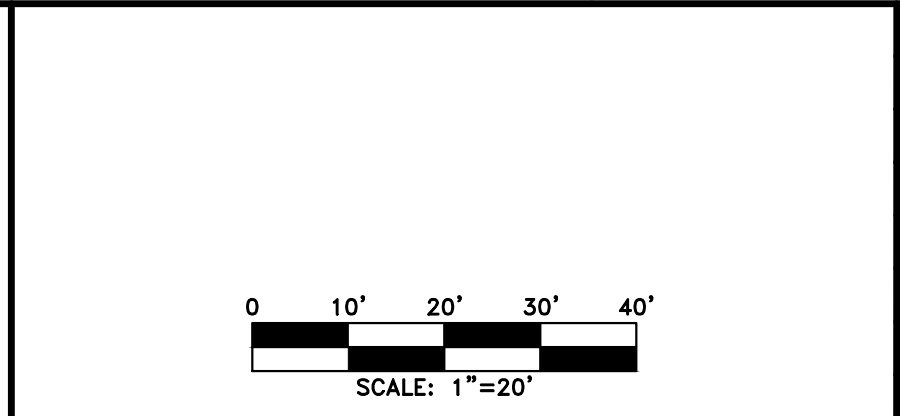
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PROPERTY AND EXISTING R/W LINE	
REQUIRED R/W LINE	
CONSTRUCTION LIMITS	
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES	
EASEMENT FOR CONSTR OF SLOPES	
EASEMENT FOR CONSTR OF DRIVES	

BEGIN LIMIT OF ACCESS.....BLA	
END LIMIT OF ACCESS.....ELA	
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REQ'D R/W & LIMIT OF ACCESS	
PROPOSED 5' WIDE CONC. SIDEWALK	

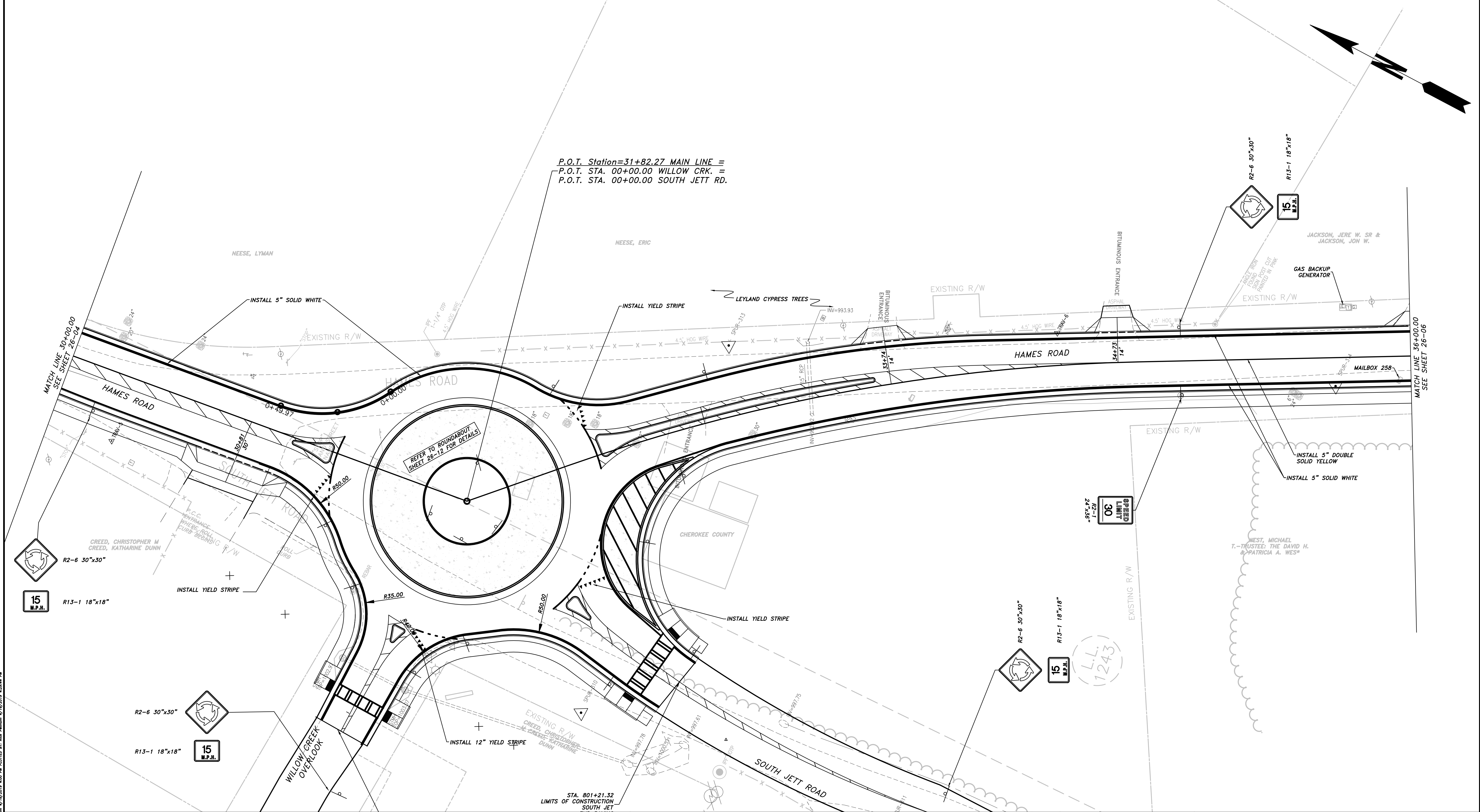
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REVISION	DATE	DESCRIPTION

CHEROKEE COUNTY
 DEPARTMENT OF TRANSPORTATION
 OFFICE: SIGNING AND MARKING PLAN
 STA. 24+00 TO STA. 30+00
 HAMES ROAD
 DRAWING No. 26-04

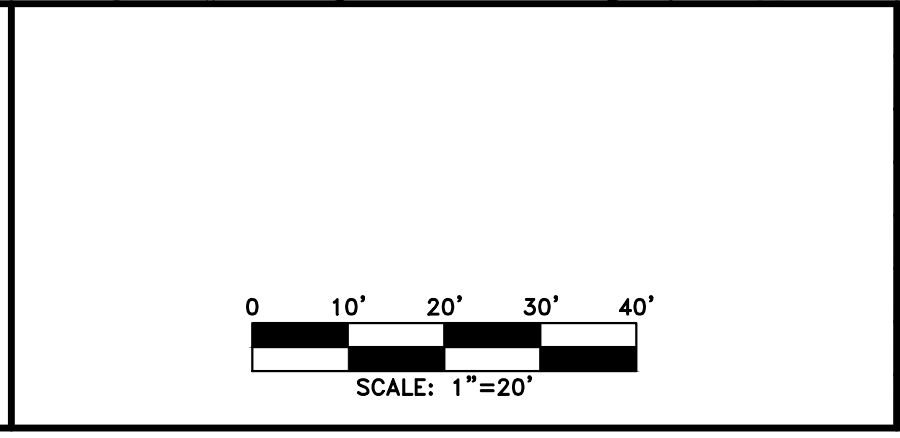
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PROPERTY AND EXISTING R/W LINE	
REQUIRED R/W LINE	
CONSTRUCTION LIMITS	
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES	
EASEMENT FOR CONSTR OF SLOPES	
EASEMENT FOR CONSTR OF DRIVES	

BEGIN LIMIT OF ACCESS.....BLA	
END LIMIT OF ACCESS.....ELA	
LIMIT OF ACCESS	
REQ'D R/W & LIMIT OF ACCESS	
PROPOSED 5' WIDE CONC. SIDEWALK	

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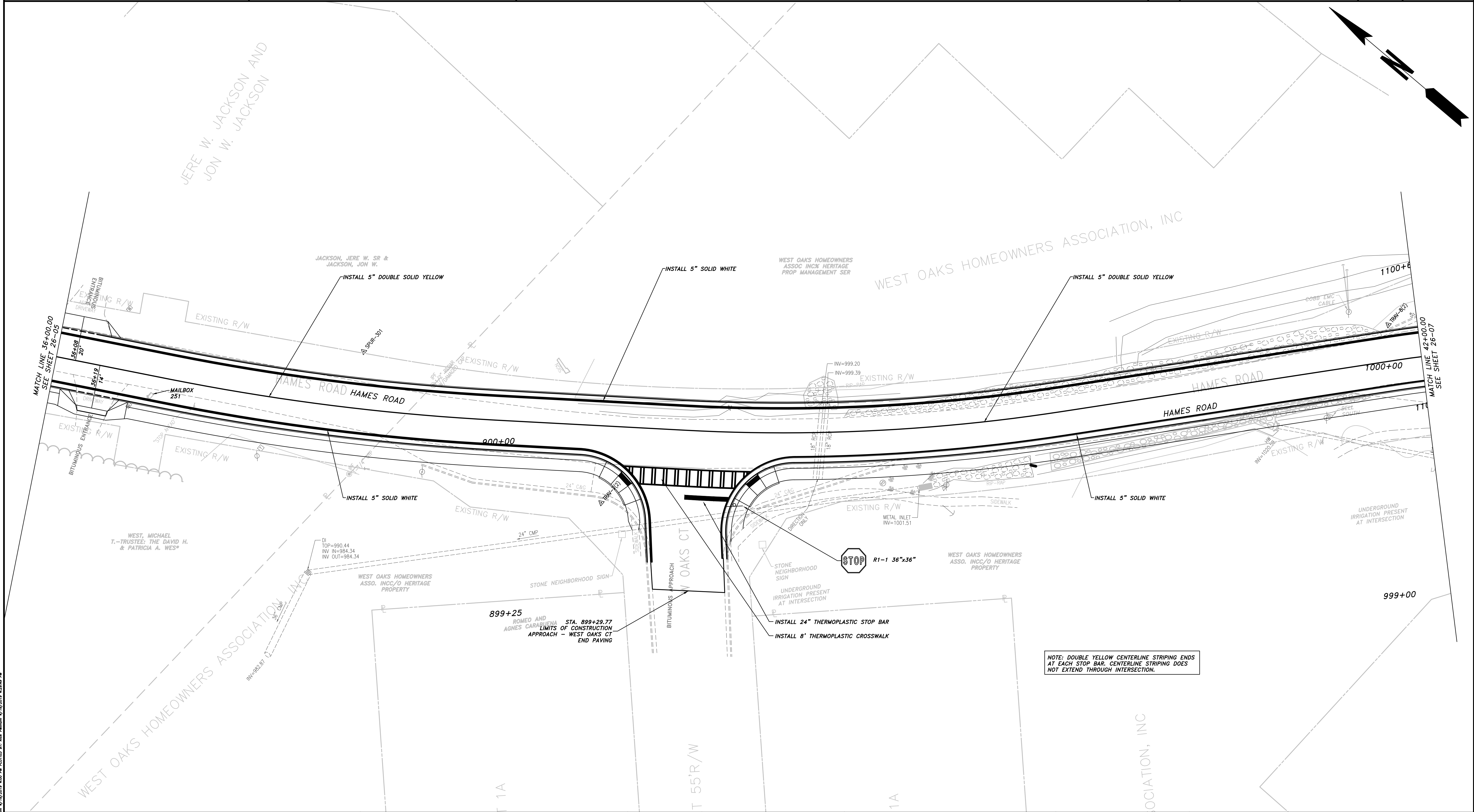


REVISION DATES

CHEROKEE COUNTY
 DEPARTMENT OF TRANSPORTATION
 OFFICE: SIGNING AND MARKING PLAN

STA. 30+00 TO STA. 36+00
 HAMES ROAD

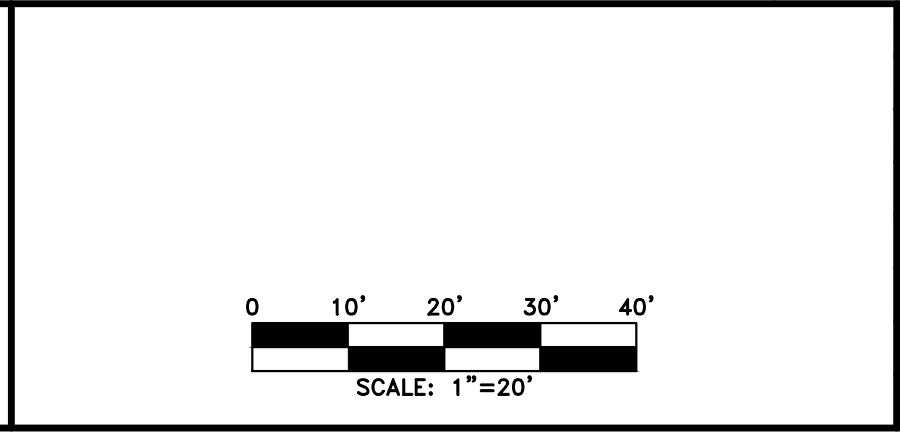
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PROPERTY AND EXISTING R/W LINE	
REQUIRED R/W LINE	
CONSTRUCTION LIMITS	
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES	
EASEMENT FOR CONSTR OF SLOPES	
EASEMENT FOR CONSTR OF DRIVES	

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END LIMIT OF ACCESS.....ELA	
LIMIT OF ACCESS	
REQ'D R/W & LIMIT OF ACCESS	
PROPOSED 5' WIDE CONC. SIDEWALK	

ATWELL
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 MARIETTA, GA 30067
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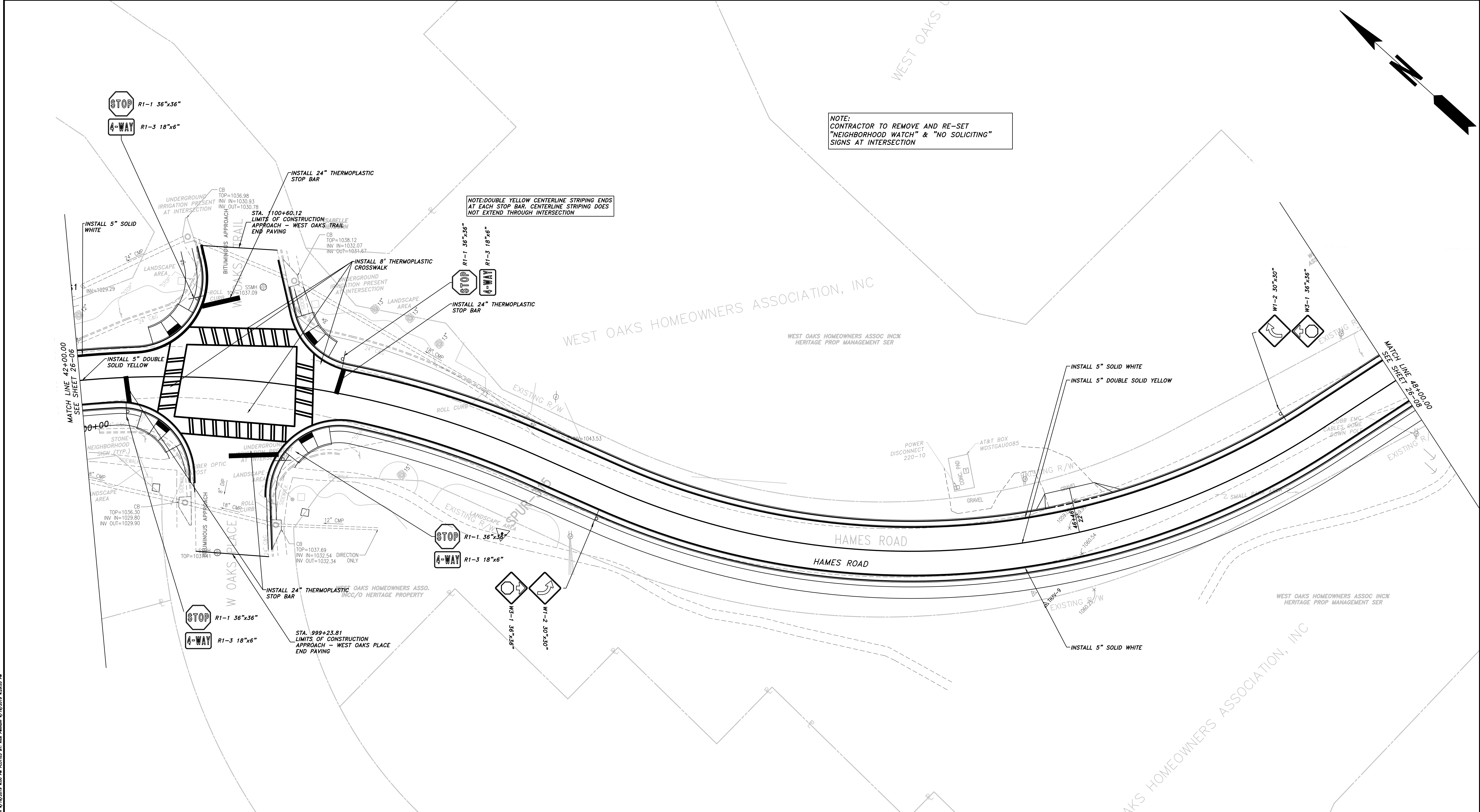


REVISION	DATE	DESCRIPTION

CHEROKEE COUNTY
 DEPARTMENT OF TRANSPORTATION
 OFFICE: SIGNING AND MARKING PLAN
 STA. 36+00 TO STA. 42+00
 HAMES ROAD
 DRAWING No. 26-06

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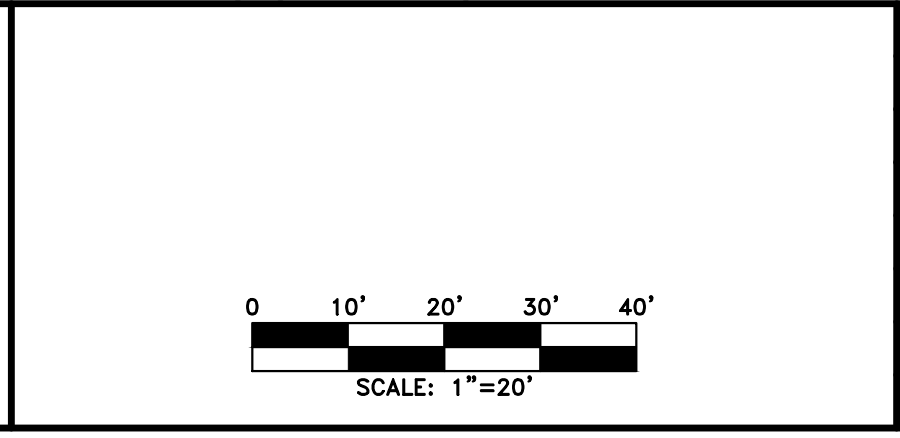
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PROPERTY AND EXISTING R/W LINE	
REQUIRED R/W LINE	
CONSTRUCTION LIMITS	
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES	
EASEMENT FOR CONSTR OF SLOPES	
EASEMENT FOR CONSTR OF DRIVES	

BEGIN LIMIT OF ACCESS.....BLA	
END LIMIT OF ACCESS.....ELA	
LIMIT OF ACCESS	
REQ'D R/W & LIMIT OF ACCESS	
PROPOSED 5' WIDE CONC. SIDEWALK	

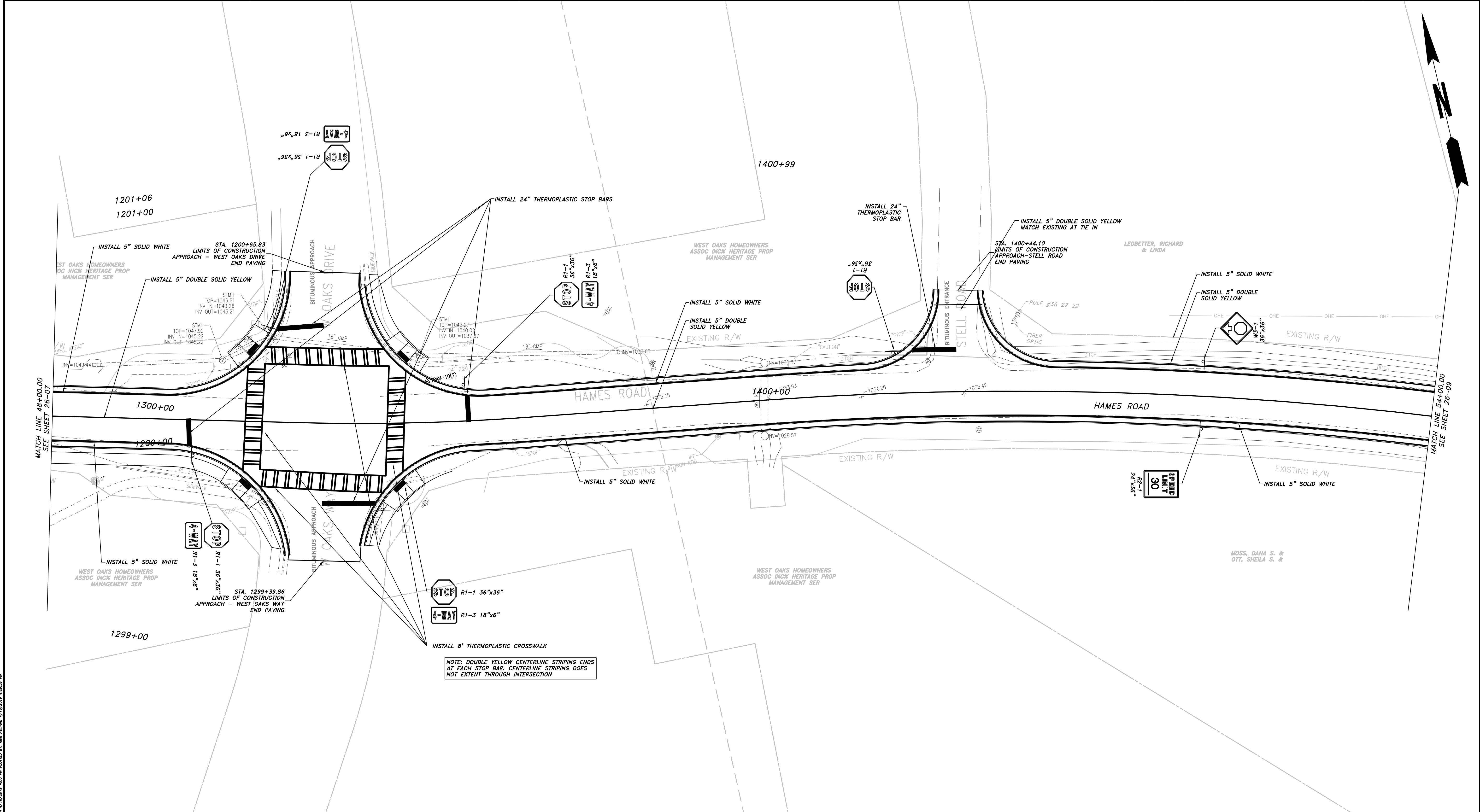
ATWELL
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REVISION	DATE	DESCRIPTION

CHEROKEE COUNTY
 DEPARTMENT OF TRANSPORTATION
 OFFICE:
 SIGNING AND MARKING PLAN
 STA 42+00 TO STA. 48+00
 HAMES ROAD
 DRAWING No.
 26-07

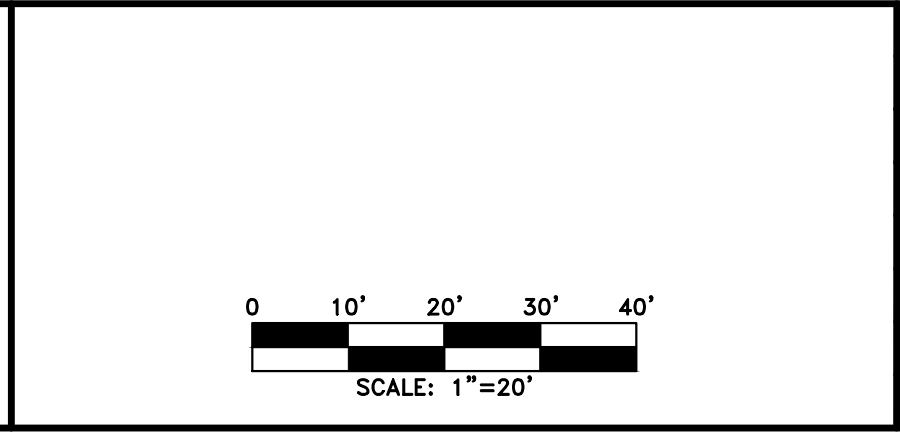
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PROPERTY AND EXISTING R/W LINE	
REQUIRED R/W LINE	
CONSTRUCTION LIMITS	
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES	
EASEMENT FOR CONSTR OF SLOPES	
EASEMENT FOR CONSTR OF DRIVES	

BEGIN LIMIT OF ACCESS.....BLA	
END LIMIT OF ACCESS.....ELA	
LIMIT OF ACCESS	
REQ'D R/W & LIMIT OF ACCESS	
PROPOSED 5' WIDE CONC. SIDEWALK	

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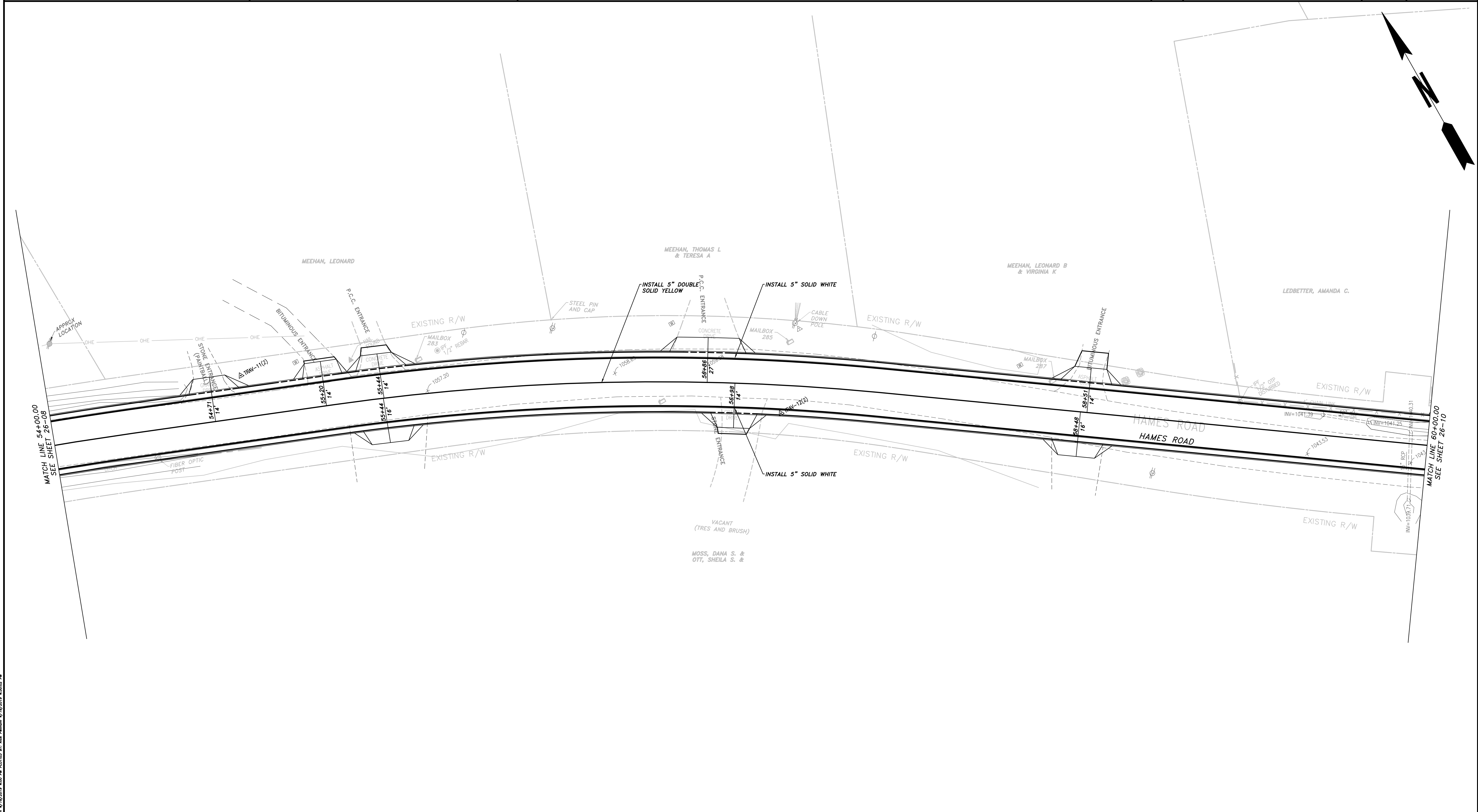


REVISION	DATE	DESCRIPTION

CHEROKEE COUNTY
 DEPARTMENT OF TRANSPORTATION
 OFFICE: SIGNING AND MARKING PLAN
 STA. 48+00 TO STA. 54+00
 HAMES ROAD

DRAWING No. 26-08

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PROPERTY AND EXISTING R/W LINE REQUIRED R/W LINE CONSTRUCTION LIMITS EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES EASEMENT FOR CONSTR OF SLOPES EASEMENT FOR CONSTR OF DRIVES	<table style="width:100%; border-collapse: collapse;"> <tr><td style="border-bottom: 1px solid black; width: 20px;"></td><td style="width: 20px; text-align: center;">E</td></tr> <tr><td style="border-bottom: 1px dashed black; width: 20px;"></td><td style="width: 20px; text-align: center;">G</td></tr> <tr><td style="border-bottom: 1px solid black; width: 20px;"></td><td style="width: 20px; text-align: center;">F</td></tr> <tr><td style="border-bottom: 1px solid black; width: 20px;"></td><td style="width: 20px; text-align: center;">H</td></tr> <tr><td style="border-bottom: 1px solid black; width: 20px;"></td><td style="width: 20px; text-align: center;">I</td></tr> <tr><td style="border-bottom: 1px solid black; width: 20px;"></td><td style="width: 20px; text-align: center;">J</td></tr> <tr><td style="border-bottom: 1px solid black; width: 20px;"></td><td style="width: 20px; text-align: center;">K</td></tr> <tr><td style="border-bottom: 1px solid black; width: 20px;"></td><td style="width: 20px; text-align: center;">L</td></tr> <tr><td style="border-bottom: 1px solid black; width: 20px;"></td><td style="width: 20px; text-align: center;">M</td></tr> <tr><td style="border-bottom: 1px solid black; width: 20px;"></td><td style="width: 20px; text-align: center;">N</td></tr> <tr><td style="border-bottom: 1px solid black; width: 20px;"></td><td style="width: 20px; text-align: center;">O</td></tr> <tr><td style="border-bottom: 1px solid black; width: 20px;"></td><td style="width: 20px; text-align: center;">P</td></tr> <tr><td style="border-bottom: 1px solid black; width: 20px;"></td><td style="width: 20px; text-align: center;">Q</td></tr> <tr><td style="border-bottom: 1px solid black; width: 20px;"></td><td style="width: 20px; text-align: center;">R</td></tr> <tr><td style="border-bottom: 1px solid black; width: 20px;"></td><td style="width: 20px; text-align: center;">S</td></tr> <tr><td style="border-bottom: 1px solid black; width: 20px;"></td><td style="width: 20px; text-align: center;">T</td></tr> <tr><td style="border-bottom: 1px solid black; width: 20px;"></td><td style="width: 20px; text-align: center;">U</td></tr> <tr><td style="border-bottom: 1px solid black; width: 20px;"></td><td style="width: 20px; text-align: center;">V</td></tr> <tr><td style="border-bottom: 1px solid black; width: 20px;"></td><td style="width: 20px; text-align: center;">W</td></tr> <tr><td style="border-bottom: 1px solid black; width: 20px;"></td><td style="width: 20px; text-align: center;">X</td></tr> <tr><td style="border-bottom: 1px solid black; width: 20px;"></td><td style="width: 20px; text-align: center;">Y</td></tr> <tr><td style="border-bottom: 1px solid black; width: 20px;"></td><td style="width: 20px; text-align: center;">Z</td></tr> </table>		E		G		F		H		I		J		K		L		M		N		O		P		Q		R		S		T		U		V		W		X		Y		Z
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ATWELL
 866.850.4200 www.atwell-group.com
 1800 PARKWAY PLACE, SUITE 700
 MARIETTA, GA
 770.423.0807

SCALE: 1"=20'

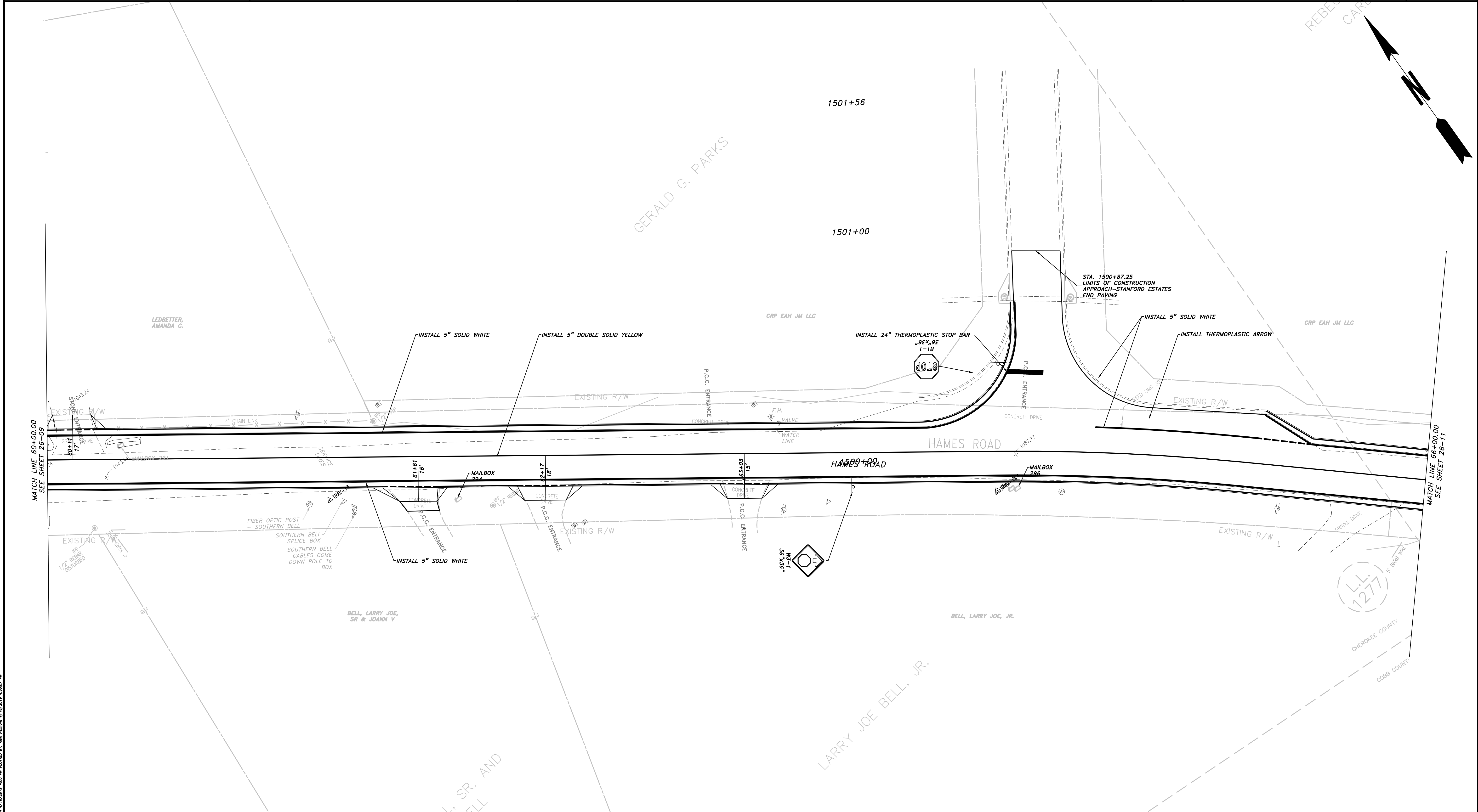
REVISION	DATE	DESCRIPTION

CHEROKEE COUNTY
 DEPARTMENT OF TRANSPORTATION
 OFFICE:
 SIGNING AND MARKING PLAN

STA. 54+00 TO STA. 60+00
 HAMES ROAD

DRAWING No.
26-09

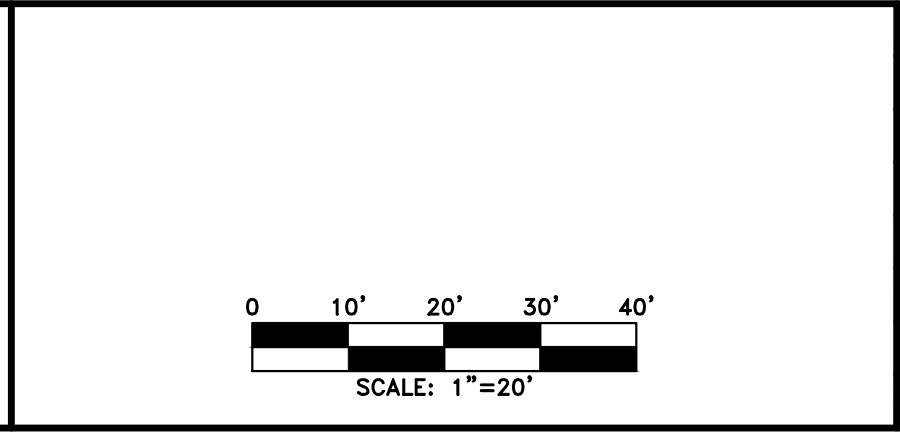
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PROPERTY AND EXISTING R/W LINE	
REQUIRED R/W LINE	
CONSTRUCTION LIMITS	
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES	
EASEMENT FOR CONSTR OF SLOPES	
EASEMENT FOR CONSTR OF DRIVES	

BEGIN LIMIT OF ACCESS.....BLA	
END LIMIT OF ACCESS.....ELA	
LIMIT OF ACCESS	
REQ'D R/W & LIMIT OF ACCESS	
PROPOSED 5' WIDE CONC. SIDEWALK	

ATWELL
 866.850.4200 www.atwell-group.com
 1800 PARKWAY PLACE, SUITE 700
 MARIETTA, GA 30067
 770.423.0807

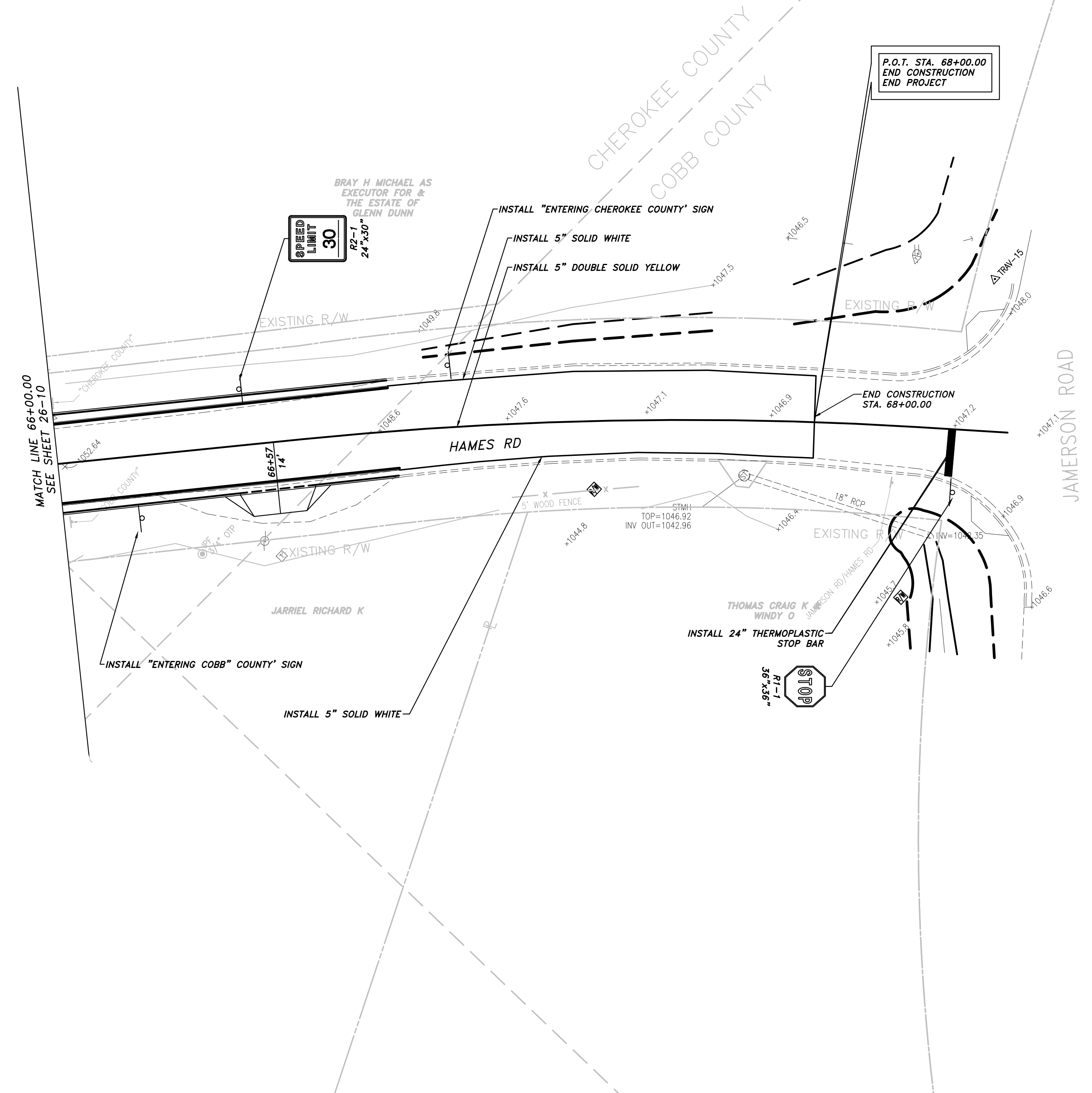
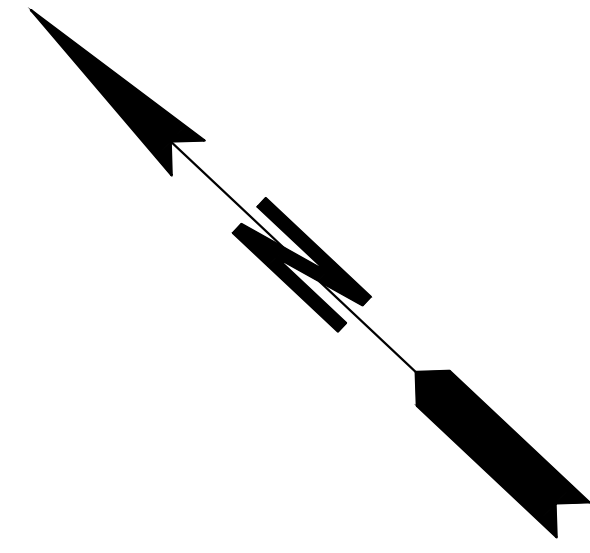


REVISION DATES	

CHEROKEE COUNTY
 DEPARTMENT OF TRANSPORTATION
 OFFICE:
 SIGNING AND MARKING PLAN
 STA. 60+00 TO STA. 66+00
 HAMES ROAD

DRAWING No.
 26-10

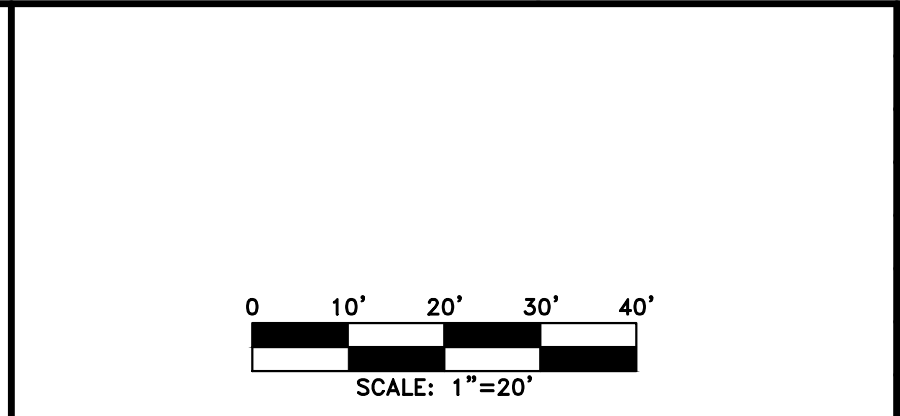
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PROPERTY AND EXISTING R/W LINE	— P —
REQUIRED R/W LINE	— G —
CONSTRUCTION LIMITS	— F —
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES	[Hatched Box]
EASEMENT FOR CONSTR OF SLOPES	[Hatched Box]
EASEMENT FOR CONSTR OF DRIVES	[Hatched Box]

BEGIN LIMIT OF ACCESS.....BLA	— o — o —
END LIMIT OF ACCESS.....ELA	— o — o —
LIMIT OF ACCESS	— — —
REQ'D R/W & LIMIT OF ACCESS	— — —
PROPOSED 5' WIDE CONC. SIDEWALK	[Solid Black Box]

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1800 PARKWAY PLACE, SUITE 700
MARIETTA, GA
770.423.0807



REVISION DATES		

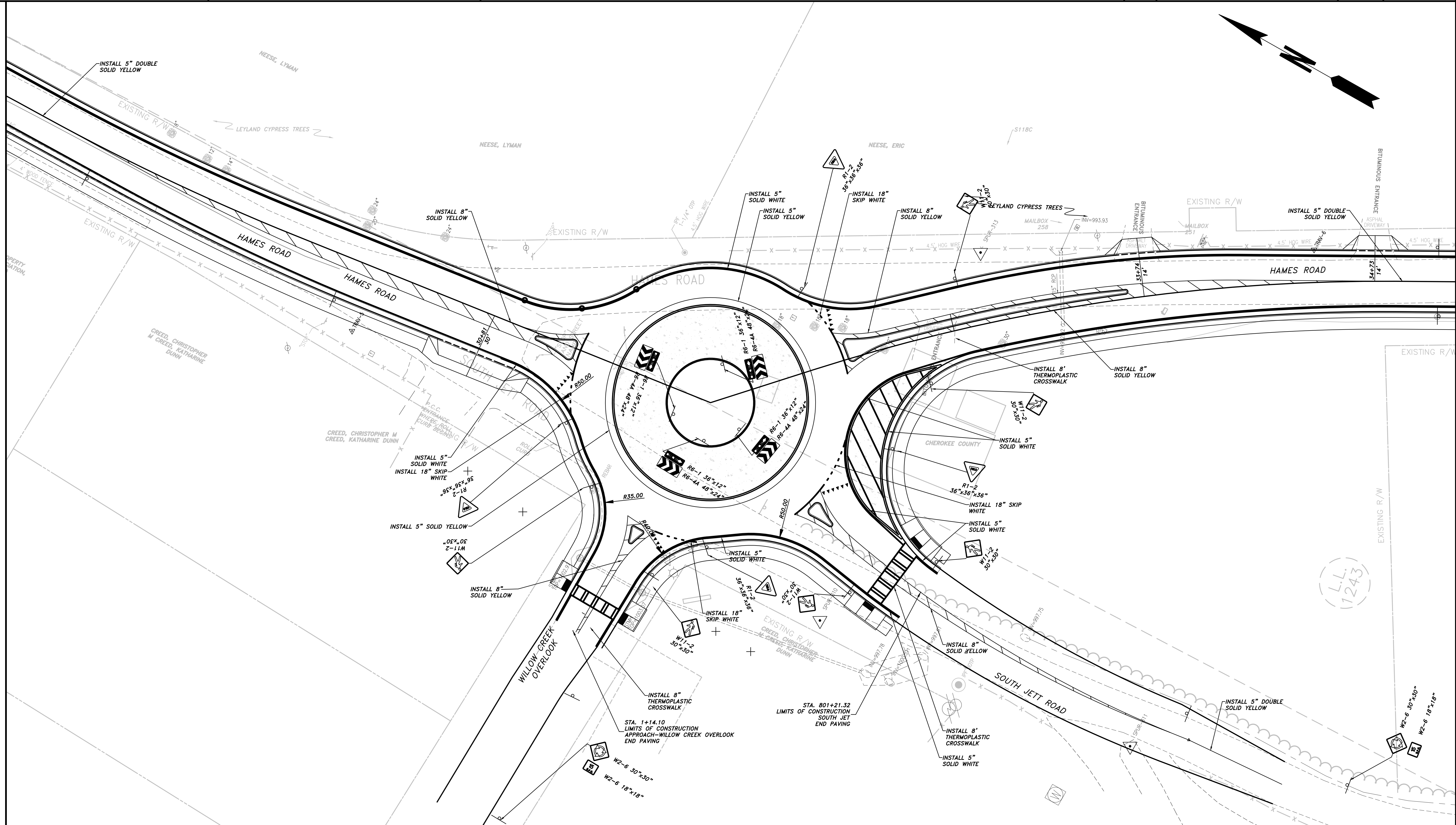
CHEROKEE COUNTY
DEPARTMENT OF TRANSPORTATION

OFFICE:
SIGNING AND MARKING PLAN

STA. 66+00 TO STA. 68+48.35
HAMES ROAD

DRAWING No.
26-11

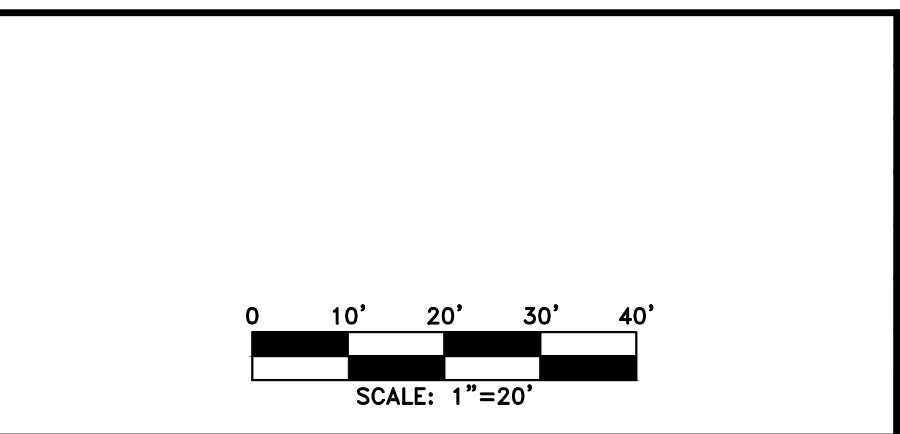
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 PLOT BY: rpellhum



PROPERTY AND EXISTING R/W LINE	
REQUIRED R/W LINE	
CONSTRUCTION LIMITS	
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES	
EASEMENT FOR CONSTR OF SLOPES	
EASEMENT FOR CONSTR OF DRIVES	

BEGIN LIMIT OF ACCESS.....BLA	
END LIMIT OF ACCESS.....ELA	
LIMIT OF ACCESS	
REQ'D R/W & LIMIT OF ACCESS	
PROPOSED 5' WIDE CONC. SIDEWALK	

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REVISION	DATE	DESCRIPTION

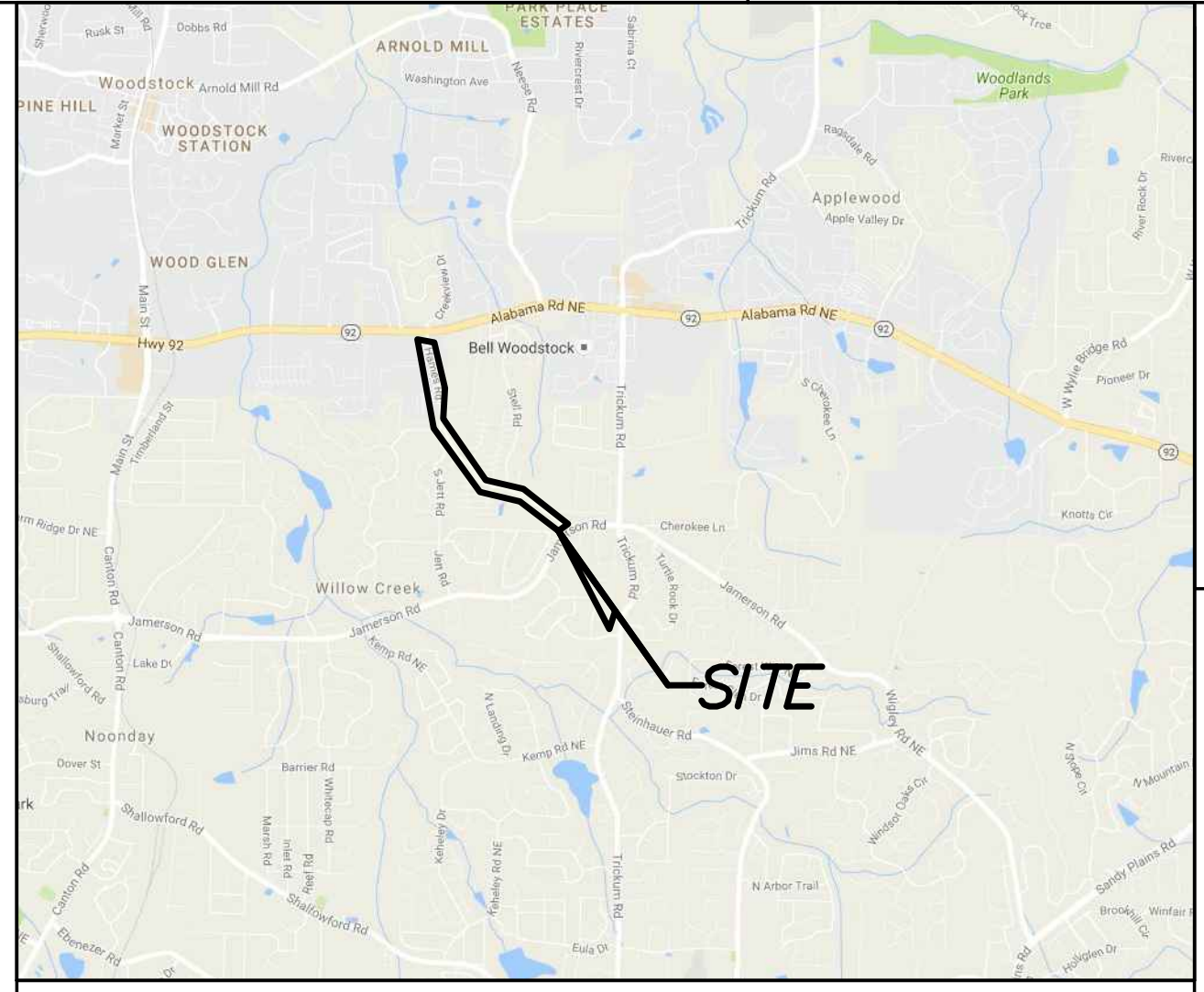
CHEROKEE COUNTY
 DEPARTMENT OF TRANSPORTATION
 OFFICE: SIGNING AND MARKING PLAN
 STA. 28+00 TO STA. 34+00
 HAMES ROAD

DRAWING No. 26-12

CHEROKEE COUNTY DEPARTMENT OF TRANSPORTATION

EROSION, SEDIMENTATION, & POLLUTION CONTROL HAMES ROAD IMPROVEMENTS

P.O.C. STA. 66+00.00
END CONSTRUCTION
HAMES ROAD
N 1482355.1692
E 2199065.2675



LOCATION SKETCH

P.O.C. STA. 11+00.00
BEGIN CONSTRUCTION
HAMES ROAD
N 1486530.9505
E 2195980.6190

PRIMARY PERMITTEE
1130 Bluffs Pkwy
Canton, GA 30114
Phone: 678-493-6000
Geoff Morton

24 HOUR CONTACT

Name _____

Street Address _____

City, State, Zip _____

Phone Number _____

Email Address _____

Contractor shall complete the information in this box.

LOCATION & DESIGN APPROVAL DATE: DECEMBER 17, 2010

FUNCTIONAL CLASS:
RURAL COLLECTOR

THIS PROJECT IS 98% IN CHEROKEE COUNTY AND 2% IN COBB COUNTY AND IS 100% IN CONGRESSIONAL DISTRICT NO. 11.

PROJECT DESIGNATION: EXEMPT DESIGNED IN ENGLISH UNITS.

DISTURBED AREA: 7.72AC
THIS PROJECT WILL REQUIRE NOI

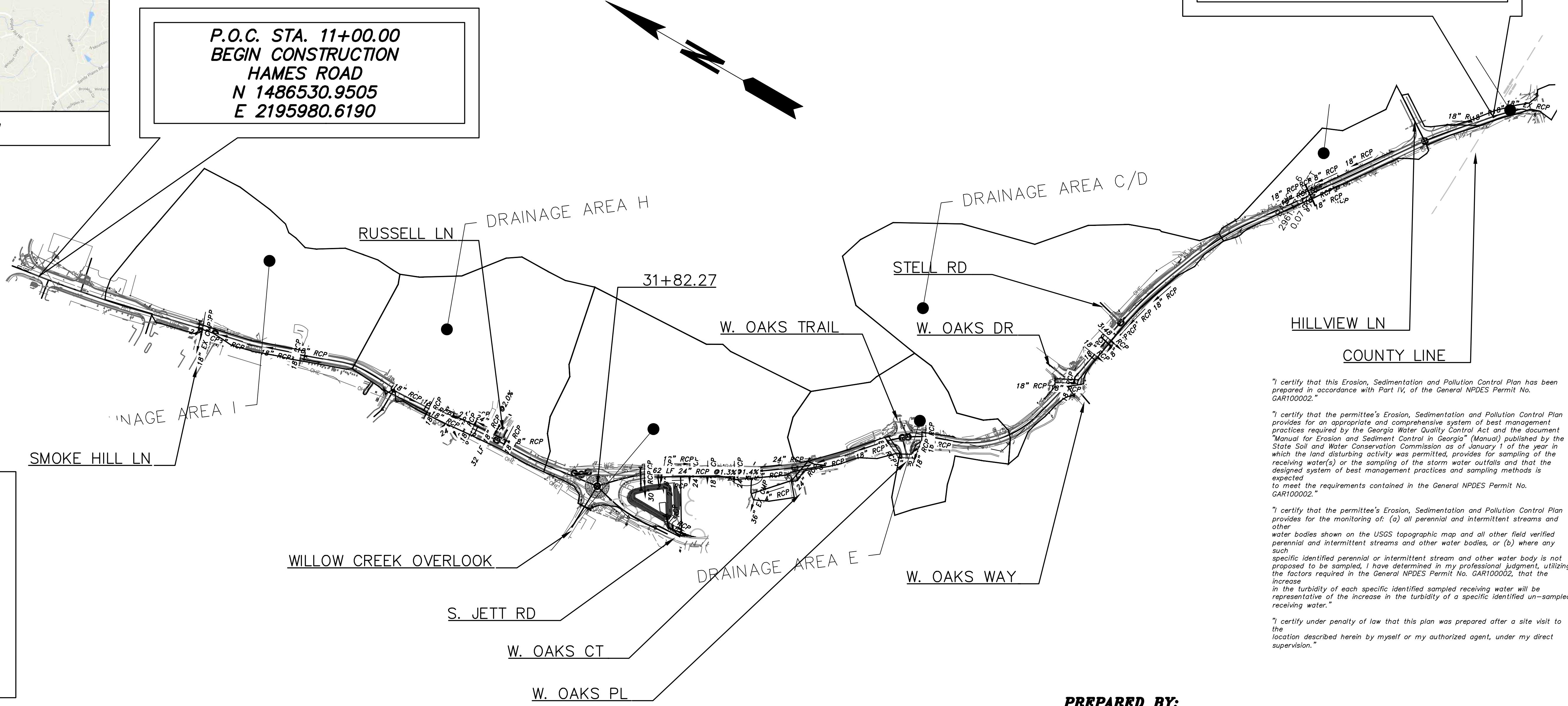
PREPARED BY:



1800 PARKWAY PLACE, SUITE 700
MARIETTA, GA
770.423.0807

MID-POINT COORDINATES
STA 38+50.00 HAMES ROAD
N 1483947.1540
E 2196702.2113

24-HOUR CONTACT NUMBER
NAME: _____
PHONE: _____



"I certify that this Erosion, Sedimentation and Pollution Control Plan has been prepared in accordance with Part IV, of the General NPDES Permit No. GAR100002."

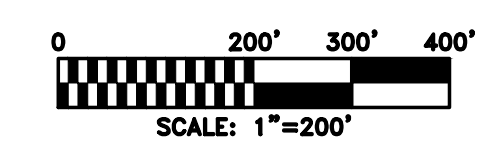
"I certify that the permittee's Erosion, Sedimentation and Pollution Control Plan provides for an appropriate and comprehensive system of best management practices required by the Georgia Water Quality Control Act and the document "Manual for Erosion and Sediment Control in Georgia" (Manual) published by the State Soil and Water Conservation Commission as of January 1 of the year in which the land disturbing activity was permitted, provides for sampling of the receiving water(s) or the sampling of the storm water outfalls and that the designed system of best management practices and sampling methods is expected to meet the requirements contained in the General NPDES Permit No. GAR100002."

"I certify that the permittee's Erosion, Sedimentation and Pollution Control Plan provides for the monitoring of: (a) all perennial and intermittent streams and other water bodies shown on the USGS topographic map and all other field verified perennial and intermittent streams and other water bodies, or (b) where any such specific identified perennial or intermittent stream and other water body is not proposed to be sampled, I have determined in my professional judgment, utilizing the factors required in the General NPDES Permit No. GAR100002, that the increase in the turbidity of each specific identified sampled receiving water will be representative of the increase in the turbidity of a specific identified un-sampled receiving water."

"I certify under penalty of law that this plan was prepared after a site visit to the location described herein by myself or my authorized agent, under my direct supervision."

PREPARED BY: _____
DAVID E. ESTES, PE, 20710
GSWCC LEVEL II CERTIFICATION NO. 0000067008
ATWELL, LLC, DESIGN CONSULTANT

LENGTH OF PROJECT	Project No. 14003
	HAMES ROAD
NET LENGTH OF ROADWAY	1.108
NET LENGTH OF BRIDGES	0.000
NET LENGTH OF PROJECT	1.108
NET LENGTH OF EXCEPTIONS	0.000
GROSS LENGTH OF PROJECT	1.108



PLANS COMPLETED	REVISIONS
08-26-2016	

THE DATA, TOGETHER WITH ALL OTHER INFORMATION SHOWN ON THESE PLANS OR IN ANYWAY INDICATED THEREBY, WHETHER BY DRAWINGS OR NOTES, OR IN ANY OTHER MANNER, ARE BASED UPON FIELD INVESTIGATIONS AND ARE BELIEVED TO BE INDICATIVE OF ACTUAL CONDITIONS. HOWEVER, THE SAME ARE SHOWN AS INFORMATION ONLY, ARE NOT GUARANTEED, AND DO NOT BIND THE DEPARTMENT OF TRANSPORTATION IN ANY WAY. THE ATTENTION OF BIDDER IS SPECIFICALLY DIRECTED TO SUBSECTIONS 102.04, 102.05, AND 104.03 OF THE SPECIFICATIONS.

- THE CHECKLIST HAS BEEN PROVIDED ON SHEET C531.
- SIGNATURE, SEAL, AND GSWCC LEVEL 1 CERTIFICATION NUMBER ARE SHOWN ON ALL SHEETS.
- THE DISTURBANCE FOR THIS PROJECT IS LESS THAN 50 ACRES AT ANY ONE TIME.
- 24-HOUR CONTACT:
NAME: GEOFF MORTON
PHONE: 678-493-2000
- PRIMARY PERMITTEE:
CHEROKEE COUNTY D.O.T.
STREET:
CITY, STATE ZIP
###-###-####
- TOTAL SITE ACREAGE: 7.84
TOTAL DISTURBED ACREAGE: 7.72
- CONSTRUCTION EIT IS LOCATED AT:
LATITUDE: 34.086088°
LONGITUDE: -84.498927°
- INITIAL PLAN DATE IS SHOWN ON ALL SHEETS. ANY PLAN REVISIONS ARE SHOWN ON THE COVER SHEET AND THE SHEET AFFECTED BY THE REVISION.
- CONSTRUCTION ACTIVITY DESCRIPTION: EXISTING LAND USE IS COUNTY ROAD. CONSTRUCTION WILL INCLUDE RESURFACING AND IMPROVEMENTS TO EXISTING ROAD AND FLOW OF TRAFFIC.
- VICINITY MAP IS SHOWN ON THIS SHEET.
- INITIAL RECEIVING WATER IS: TRIBUTARY OF RUBES CREEK. SENSITIVE ADJACENT AREAS INCLUDE (N/A)

12. I CERTIFY UNDER PENALTY OF LAW THAT THIS PLAN WAS PREPARED AFTER A SITE VISIT TO THE LOCATIONS DESCRIBED HEREIN BY MYSELF OR MY AUTHORIZED AGENT, UNDER MY SUPERVISION.

DATE	DESIGN PROFESSIONAL'S SIGNATURE	DESIGN PROFESSIONAL'S NAME	GA. PE #	GSWCC CERT #
08/30/2016	DAVID E. ESTES	20710	0000067008	

13. I CERTIFY THAT THE PERMITTEE'S EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN PROVIDES FOR AN APPROPRIATE AND COMPREHENSIVE SYSTEM OF BEST MANAGEMENT PRACTICES REQUIRED BY THE GEORGIA WATER QUALITY CONTROL ACT AND THE DOCUMENT "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" (MANUAL) PUBLISHED BY THE STATE SOIL AND WATER CONSERVATION COMMISSION AS OF JANUARY 1 OF THE YEAR IN WHICH THE LAND-DISTURBING ACTIVITY WAS PERMITTED, PROVIDES FOR THE SAMPLING OF THE RECEIVING WATER(S) OR THE SAMPLING OF THE STORM WATER OUTFALLS AND THAT THE DESIGNED SYSTEM OF BEST MANAGEMENT PRACTICES AND SAMPLING METHODS IS EXPECTED TO MEET THE REQUIREMENTS CONTAINED IN THE GENERAL NPDES PERMIT NO. GAR 100001.

DATE	DESIGN PROFESSIONAL'S SIGNATURE	DESIGN PROFESSIONAL'S NAME	GA. PE #	GSWCC CERT #
08/30/2016	DAVID E. ESTES	20710	0000067008	

14. THE DESIGN PROFESSIONAL WHO PREPARED THE ES&PC PLAN IS TO INSPECT THE INSTALLATION OF THE INITIAL SEDIMENT STORAGE REQUIREMENTS AND PERIMETER CONTROL BMPs WITHIN SEVEN (7) DAYS AFTER INSTALLATION.

I CERTIFY THAT THE SITE WAS VISITED WITHIN SEVEN (7) DAYS OF THE INSTALLATION OF THE INITIAL SEDIMENT STORAGE REQUIREMENTS AND PERIMETER CONTROL BMPs.

DATE	DESIGN PROFESSIONAL'S SIGNATURE	DESIGN PROFESSIONAL'S NAME	GA. PE #	GSWCC CERT #
08/30/2016	DAVID E. ESTES	20710	0000067008	

INSPECTION REVEALED THE FOLLOWING DEFICIENCIES FROM THE APPROVED ES&PC PLAN.

THE PERMITTEE MUST CORRECT ALL DEFICIENCIES WITHIN TWO (2) BUSINESS DAYS OF THE RECEIPT OF THE INSPECTION REPORT UNLESS WEATHER RELATED SITE CONDITIONS ARE SUCH THAT ADDITIONAL TIME IS REQUIRED.

15. NON-EXEMPT ACTIVITIES SHALL NOT BE CONDUCTED WITHIN THE 25' OR 50' UNDISTURBED STREAM BUFFER AS MEASURED FROM THE POINT OF WRESTED VEGETATION WITHOUT FIRST ACQUIRING THE NECESSARY VARIANCES AND PERMITS

(1) EXCEPT AS PROVIDED IN PART IV.(ii). BELOW, NO CONSTRUCTION ACTIVITIES SHALL BE CONDUCTED WITHIN A 25 FOOT BUFFER ALONG THE BANKS OF ALL STATE WATERS, AS MEASURED HORIZONTALLY FROM THE POINT WHERE VEGETATION HAS BEEN WRESTED BY NORMAL STREAM FLOW OR WAVE ACTION, EXCEPT WHERE THE DIRECTOR HAS DETERMINED TO ALLOW A VARIANCE THAT IS AT LEAST AS PROTECTIVE OF NATURAL RESOURCES AND THE ENVIRONMENT IN ACCORDANCE WITH THE PROVISIONS OF O.C.G.A. 12-7-6, OR WHERE A DRAINAGE STRUCTURE OR A ROADWAY DRAINAGE STRUCTURE MUST BE CONSTRUCTED, PROVIDED THAT ADEQUATE EROSION CONTROL MEASURES ARE INCORPORATED IN THE PROJECT PLANS AND SPECIFICATIONS AND ARE IMPLEMENTED. THE BUFFER SHALL NOT APPLY TO THE FOLLOWING ACTIVITIES PROVIDED THAT ADEQUATE EROSION CONTROL MEASURES ARE INCORPORATED INTO THE PROJECT PLANS AND SPECIFICATIONS ARE IMPLEMENTED:

- PUBLIC DRINKING WATER SYSTEM RESERVOIRS.
- STREAM CROSSINGS FOR WATER LINES, PROVIDED THAT THE STREAM CROSSINGS OCCUR AT AN ANGLE, AS MEASURED FROM THE POINT OF CROSSING, WITHIN 25 DEGREES OF PERPENDICULAR TO THE STREAM AND CAUSE A WIDTH OF DISTURBANCE OF NOT MORE THAN 50 FEET WITHIN THE BUFFER.
- STREAM CROSSINGS FOR SEWER LINES, PROVIDED THAT THE STREAM CROSSINGS OCCUR AT AN ANGLE, AS MEASURED FROM THE POINT OF CROSSING, WITHIN 25 DEGREES OF PERPENDICULAR TO THE STREAM AND CAUSE A WIDTH OF DISTURBANCE OF NOT MORE THAN 50 FEET WITHIN THE BUFFER.
- STREAM CROSSINGS FOR AERIAL UTILITY LINES, PROVIDED THAT: (A) THE NEW UTILITY LINE RIGHT-OF-WAY WIDTH DOES NOT EXCEED 100 LINEAR FEET, (B) UTILITY LINES ARE ROUTED AND CONSTRUCTED SO AS TO MINIMIZE THE NUMBER OF STREAM CROSSINGS AND DISTURBANCES TO THE BUFFER, (C) ONLY TREES AND TREE DEBRIS ARE REMOVED FROM WITHIN THE BUFFER RESULTING IN ONLY MINOR SOIL EROSION (I.E., DISTURBANCE TO UNDERLYING VEGETATION IS MINIMIZED), AND (D) FUNCTIONAL NATIVE RIPARIAN VEGETATION IS RE-ESTABLISHED IN ANY BARE OR DISTURBED AREAS WITHIN THE BUFFER. THE PLAN SHALL INCLUDE A DESCRIPTION OF THE STREAM CROSSINGS WITH DETAILS OF THE BUFFER DISTURBANCE INCLUDING AREA AND LENGTH OF BUFFER DISTURBANCE, ESTIMATED LENGTH OF TIME OF BUFFER DISTURBANCE, AND JUSTIFICATION;

(ii). NO CONSTRUCTION ACTIVITIES SHALL BE CONDUCTED WITHIN A 50 FOOT BUFFER, AS MEASURED HORIZONTALLY FROM THE POINT WHERE VEGETATION HAS BEEN WRESTED BY NORMAL STREAM FLOW OR WAVE ACTION, ALONG THE BANKS OF ANY STATE WATERS CLASSIFIED AS "TROUT STREAMS" EXCEPT WHEN APPROVAL IS GRANTED BY THE DIRECTOR FOR ALTERNATE BUFFER REQUIREMENTS IN ACCORDANCE WITH THE PROVISIONS OF O.C.G.A. 12-7-6, OR WHERE A ROADWAY DRAINAGE STRUCTURE MUST BE CONSTRUCTED; PROVIDED, HOWEVER, THAT SMALL SPRINGS AND STREAMS CLASSIFIED AS "TROUT STREAMS" WHICH DISCHARGE AN AVERAGE ANNUAL FLOW OF 25 GALLONS PER MINUTE OR LESS SHALL HAVE A 25 FOOT BUFFER, AT THE DISCRETION OF THE PERMITTEE, PURSUANT TO A RULE PROMULGATED BY THE BOARD OF NATURAL RESOURCES INCLUDING NOTIFICATION OF SUCH TO EPD AND THE LOCAL ISSUING AUTHORITY OF THE LOCATION AND EXTENT OF THE PIPING AND PRESCRIBED METHODOLOGY FOR MINIMIZING THE IMPACT OF SUCH PIPING AND FOR MEASURING THE VOLUME OF WATER DISCHARGED BY THE STREAM. ANY SUCH BUFFER MUST STOP SHORT OF THE DOWNSTREAM PERMITTEE'S PROPERTY, AND THE PERMITTEE MUST COMPLY WITH THE BUFFER REQUIREMENT FOR ANY ADJACENT TROUT STREAMS. THE BUFFER SHALL NOT APPLY TO THE FOLLOWING ACTIVITIES PROVIDED THAT ADEQUATE EROSION CONTROL MEASURES ARE INCORPORATED INTO THE PROJECT PLANS AND SPECIFICATIONS ARE IMPLEMENTED:

- PUBLIC DRINKING WATER SYSTEM RESERVOIRS.
- STREAM CROSSINGS FOR WATER LINES, PROVIDED THAT THE STREAM CROSSINGS OCCUR AT AN ANGLE, AS MEASURED FROM THE POINT OF CROSSING, WITHIN 25 DEGREES OF PERPENDICULAR TO THE STREAM AND CAUSE A WIDTH OF DISTURBANCE OF NOT MORE THAN 50 FEET WITHIN THE BUFFER.
- STREAM CROSSINGS FOR SEWER LINES, PROVIDED THAT THE STREAM CROSSINGS OCCUR AT AN ANGLE, AS MEASURED FROM THE POINT OF CROSSING, WITHIN 25 DEGREES OF PERPENDICULAR TO THE STREAM AND CAUSE A WIDTH OF DISTURBANCE OF NOT MORE THAN 50 FEET WITHIN THE BUFFER.
- STREAM CROSSINGS FOR AERIAL UTILITY LINES, PROVIDED THAT: (A) THE NEW UTILITY LINE RIGHT-OF-WAY WIDTH DOES NOT EXCEED 100 LINEAR FEET, (B) UTILITY LINES ARE ROUTED AND CONSTRUCTED SO AS TO MINIMIZE THE NUMBER OF STREAM CROSSINGS AND DISTURBANCES TO THE BUFFER, (C) ONLY TREES AND TREE DEBRIS ARE REMOVED FROM WITHIN THE BUFFER RESULTING IN ONLY MINOR SOIL EROSION (I.E., DISTURBANCE TO UNDERLYING VEGETATION IS MINIMIZED), AND (D) FUNCTIONAL NATIVE RIPARIAN VEGETATION IS RE-ESTABLISHED IN ANY BARE OR DISTURBED AREAS WITHIN THE BUFFER. THE PLAN SHALL INCLUDE A DESCRIPTION OF THE BUFFER DISTURBANCE INCLUDING AREA AND LENGTH OF BUFFER DISTURBANCE, ESTIMATED LENGTH OF TIME OF BUFFER DISTURBANCE, AND JUSTIFICATION;

16. DESC BUFFER ENCROACHMENTS-BUFFER

17. AMENDMENTS/REVISIONS TO THE ES&PC PLAN WHICH HAVE A SIGNIFICANT EFFECT ON BMPs WITH A HYDRAULIC COMPONENT MUST BE CERTIFIED BY THE DESIGN PROFESSIONAL.

18. WASTE MATERIALS SHALL NOT BE DISCHARGED TO WATERS OF THE STATE, EXCEPT AS AUTHORIZED BY A SECTION 404 PERMIT.

HAZARDOUS WASTES

ALL HAZARDOUS WASTE MATERIALS WILL BE DISPOSED OF IN THE MANNER SPECIFIED BY LOCAL, STATE AND/OR FEDERAL REGULATIONS AND BY THE MANUFACTURER OF SUCH PRODUCTS. THE JOB SITE SUPERINTENDENT, WHO WILL ALSO BE RESPONSIBLE FOR SEEING THAT THESE PRACTICES ARE FOLLOWED, WILL INSTRUCT SITE PERSONNEL IN THESE PRACTICES. MATERIAL SAFETY DATA SHEETS (MSDS'S) FOR EACH SUBSTANCE WITH HAZARDOUS PROPERTIES THAT IS USED ON THE JOB SITE WILL BE OBTAINED AND USED FOR THE PROPER HANDLING OF POTENTIAL WASTES THAT MAY RESULT FROM THESE PRODUCTS. AN MSDS WILL BE POSTED IN THE IMMEDIATE AREA WHERE SUCH PRODUCT IS STORED AND/OR USED AND ANOTHER COPY OF EACH MSDS WILL BE MAINTAINED IN THE ES&PC FILE ON THE JOB SITE CONSTRUCTION TRAILER OFFICE. EACH EMPLOYEE WHO MUST HANDLE A SUBSTANCE WITH HAZARDOUS PROPERTIES WILL BE INSTRUCTED ON THE USE OF MSDS SHEETS AND THE SPECIFIC INFORMATION IN THE APPLICABLE MSDS FOR THE PRODUCT HE/SHE IS USING, PARTICULARLY REGARDING SPILL CONTROL TECHNIQUES.

THE CONTRACTOR WILL IMPLEMENT THE SPILL PREVENTION CONTROL AND COUNTERMEASURES (SPCC) PLAN FOUND WITHIN THIS ES&PC AND WILL TRAIN ALL PERSONNEL IN THE PROPER CLEANUP AND HANDLING OF SPECIFIED MATERIALS. NO SPILLED HAZARDOUS MATERIALS OR HAZARDOUS WASTES WILL BE ALLOWED TO COME IN CONTACT WITH STORM WATER DISCHARGES. IF SUCH CONTACT OCCURS, THE STORM WATER DISCHARGE WILL BE CONTAINED ON SITE UNTIL APPROPRIATE MEASURES IN COMPLIANCE WITH STATE AND FEDERAL REGULATIONS ARE TAKEN TO DISPOSE OF SUCH CONTAMINATED STORMWATER. IT SHALL BE THE RESPONSIBILITY OF THE JOB SITE SUPERINTENDENT TO PROPERLY TRAIN ALL PERSONNEL IN THE USE OF THE SPCC PLAN.

18. SANITARY WASTES:
A MINIMUM OF ONE PORTABLE SANITARY UNIT WILL BE PROVIDED FOR EVERY TEN (10) WORKERS ON THE SITE. ALL SANITARY WASTE WILL BE COLLECTED FROM THIS PORTABLE UNIT A MINIMUM OF ONE TIME PER WEEK BY A LICENSED PORTABLE FACILITY PROVIDER IN COMPLETE COMPLIANCE WITH LOCAL AND STATE REGULATIONS.
ALL SANITARY WASTE UNITS WILL BE INSTALLED IN AN AREA WHERE THE LIKELIHOOD OF THE UNIT CONTRIBUTING TO STORM WATER DISCHARGE IS NEGLIGIBLE. ADDITIONAL CONTAINMENT BMP'S MUST BE IMPLEMENTED, SUCH AS GRAVEL BAGS OR SPECIALLY DESIGNED PLASTIC CONTAINERS AROUND THE BASE, TO PREVENT WASTES FROM CONTRIBUTING TO STORM WATER DISCHARGES. THE LOCATION OF SANITARY WASTE UNITS MUST BE IDENTIFIED ON THE EROSION CONTROL PLAN GRADING PHASE, SHEET CAB, BY THE CONTRACTOR ONCE LOCATIONS HAVE BEEN DETERMINED.
SANITARY SEWER WILL BE PROVIDED BY MUNICIPAL AUTHORITY / SEPTIC SYSTEM AT THE COMPLETION OF THIS PROJECT.

19. THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION AND SEDIMENT CONTROL MEASURES AND PRACTICES PRIOR TO, OR CONCURRENT WITH, LAND DISTURBING ACTIVITIES.
20. EROSION CONTROL MEASURES WILL BE MAINTAINED AT ALL TIMES. IF FULL IMPLEMENTATION OF THE APPROVED PLAN DOES NOT PROVIDE FOR EFFECTIVE EROSION CONTROL, ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED TO CONTROL OR TREAT THE SEDIMENT SOURCE.
21. ANY DISTURBED AREA LEFT EXPOSED FOR A PERIOD GREATER THAN 14 DAYS SHALL BE STABILIZED W/ MULCH OR TEMPORARY SEEDING.
22. STORM WATER DOES NOT DISCHARGE INTO AN IMPAIRED STREAM SEGMENT. SEE THIS SHEET FOR REQUIREMENTS.
23. THERE IS NOT A TMDL IMPLEMENTATION PLAN FOR THE RECEIVING WATERS.
24. THIS PROJECT DOES NOT ALLOW CONCRETE WASHDOWN ON SITE. WASHOUT OF THE DRUM AT THE CONSTRUCTION SITE IS PROHIBITED. BMP'S FOR CONCRETE WASHDOWN INCLUDE: N/A

25. SOIL CLEANUP AND CONTROL PRACTICES:
A. LOCAL, STATE, AND MANUFACTURER'S RECOMMENDED METHODS FOR SPILL CLEANUP WILL BE CLEARLY POSTED AND PROCEDURES WILL BE MADE AVAILABLE TO SITE PERSONNEL.
B. MATERIAL AND EQUIPMENT NECESSARY FOR SPILL CLEANUP WILL BE KEPT IN THE MATERIAL STORAGE AREAS.
C. TYPICAL MATERIALS AND EQUIPMENT INCLUDES, BUT IS NOT LIMITED TO: BROOMS, DUSTPANS, MOPS, RAGS, GOGGLES, CAT LITTER, SAND SAWDUST AND PROPERLY LABELED PLASTIC AND METAL WASTE CONTAINERS.
D. SPILL PREVENTION PRACTICES AND PROCEDURES WILL BE REVIEWED AFTER A SPILL AND ADJUSTED AS NECESSARY TO PREVENT FUTURE SPILLS.
E. ALL SPILLS WILL BE CLEANED UP IMMEDIATELY UPON DISCOVERY. ALL SPILLS WILL BE REPORTED AS REQUIRED BY LOCAL, STATE, AND FEDERAL REGULATIONS.
F. FOR SPILLS THAT IMPACT SURFACE WATER (LEAVE A SHEEN ON SURFACE WATER), THE NATIONAL RESPONSE CENTER (NRC) WILL BE CONTACTED WITHIN 24 HOURS AT 1-800-424-8802.
G. FOR SPILLS OF AN UNKNOWN AMOUNT, THE NATIONAL CENTER (NRC) WILL BE CONTACTED WITHIN 24 HOURS AT 1-800-424-8802.
H. FOR SPILLS GREATER THAN 25 GALLONS AND NO SURFACE WATER IMPACTS, THE GEORGIA EPD WILL BE CONTACTED WITHIN 24 HOURS.
I. FOR SPILLS LESS THAN 25 GALLONS AND NO SURFACE WATER IMPACTS, THE SPILL WILL BE CLEANED UP AND LOCAL AGENCIES WILL BE CONTACTED AS REQUIRED.

THE CONTRACTOR SHALL NOTIFY THE LICENSED PROFESSIONAL WHO PREPARED THIS PLAN IF MORE THAN 1320 GALLONS OF PETROLEUM IS STORED ONSITE (THIS INCLUDES CAPACITIES OF EQUIPMENT) OR IF ANY ONE PIECE OF EQUIPMENT HAS A CAPACITY GREATER THAN 660 GALLONS. THE CONTRACTOR WILL NEED A SPILL PREVENTION CONTAINMENT AND COUNTERMEASURES PLAN PREPARED BY THAT LICENSED PROFESSIONAL.

CONTAINERS FOR PRODUCTS SUCH AS FUELS, LUBRICANTS AND TARS WILL BE INSPECTED DAILY FOR LEAKS AND SPILLS. THIS INCLUDES ON SITE VEHICLE AND MACHINERY DAILY INSPECTIONS AND REGULAR PREVENTATIVE MAINTENANCE OF SUCH EQUIPMENT. PETROLEUM PRODUCTS WILL BE STORED IN A LEAK-PROOF CONTAINER. NATURAL DRAINS AND STORM WATER DRAINAGE INLETS, IN ADDITION, TEMPORARY FUELING TANKS SHALL HAVE A SECONDARY CONTAINMENT LINER TO PREVENT / MINIMIZE SITE CONTAMINATION. DISCHARGE OF OILS, FUELS AND LUBRICANTS IS PROHIBITED. PROPER DISPOSAL METHODS WILL INCLUDE COLLECTION IN A SUITABLE CONTAINER AND DISPOSAL AS REQUIRED BY LOCAL AND STATE REGULATION.

26. PERMANENT VEGETATION, A WATER QUALITY DEVICE, AND A STORMWATER MANAGEMENT SYSTEM TO BE ESTABLISHED DURING CONSTRUCTION TO CONTROL POLLUTANTS IN STORMWATER THAT WILL OCCUR AFTER CONSTRUCTION OPERATIONS HAVE BEEN COMPLETED.
27. PRACTICES USED TO PREVENT POLLUTANTS IN STORMWATER DISCHARGES INCLUDE SODDING, SILT FENCE, CURB INLET PROTECTION, AND INLET SEDIMENT TRAPS. TO FURTHER REDUCE POLLUTANTS, MATERIALS THAT ARE POTENTIAL HAZARDS SHALL BE IDENTIFIED PRIOR TO LOCATING ON SITE AND PERSONNEL WILL BE TRAINED BY THE CONTRACTOR TO HANDLE SPILLS OR LEAKS. POLLUTANTS WILL BE STORED IN SPECIFIC AND CONTROLLED AREAS BY THE CONTRACTOR.
28. ANTICIPATED ACTIVITY SCHEDULE IS SHOWN ON THIS SHEET.

29. INSPECTIONS PERMITTEE REQUIREMENTS

- EACH DAY WHEN ANY TYPE OF CONSTRUCTION ACTIVITY HAS TAKEN PLACE AT A PRIMARY PERMITTEE'S SITE, CERTIFIED PERSONNEL PROVIDED BY THE PRIMARY PERMITTEE SHALL INSPECT: (A) ALL AREAS AT THE PRIMARY PERMITTEE'S SITE WHERE PETROLEUM PRODUCTS ARE STORED, USED, OR HANDLED FOR SPILLS AND LEAKS FROM VEHICLES AND EQUIPMENT; (B) ALL LOCATIONS AT THE PRIMARY PERMITTEE'S SITE WHERE VEHICLES ENTER OR EXIT THE SITE FOR EVIDENCE OF OFF-SITE SEDIMENT TRACKING; AND (C) MEASURE RAINFALL EACH HOUR FOR EACH PERIOD AT THE SITE. THESE INSPECTIONS MUST BE CONDUCTED UNTIL A NOTICE OF TERMINATION IS SUBMITTED. THIS PERMITTEE'S PRIMARY PERMITTEE SHALL INSPECT THE FOLLOWING AT LEAST ONCE PER WEEK OR EVERY SEVEN (7) CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A STORM THAT IS 0.5 INCHES RAINFALL OR GREATER (UNLESS SUCH STORM ENDS AFTER 5:00 PM ON ANY FRIDAY OR ON ANY NON-WORKING SATURDAY, NON-WORKING SUNDAY OR ANY NON-WORKING FEDERAL HOLIDAY IN WHICH CASE THE INSPECTION SHALL BE COMPLETED BY THE END OF THE NEXT BUSINESS DAY AND/OR WORKING DAY, WHICHEVER OCCURS FIRST): (A) ALL DISTURBED AREAS OF THE PRIMARY PERMITTEE'S CONSTRUCTION SITE THAT HAVE NOT UNDERGONE FINAL STABILIZATION; (B) AREAS USED BY THE PRIMARY PERMITTEE FOR STORAGE OF MATERIALS THAT ARE EXPOSED TO PRECIPITATION THAT HAVE NOT UNDERGONE FINAL STABILIZATION; AND (C) STRUCTURAL CONTROL MEASURES. EROSION AND SEDIMENT CONTROL MEASURES IDENTIFIED IN THE PLAN APPLICABLE TO THE PRIMARY PERMITTEE'S SITE SHALL BE OBSERVED TO ENSURE THAT THEY ARE OPERATING CORRECTLY. WHERE DISCHARGE LOCATIONS OR POINTS ARE ACCESSIBLE, THEY SHALL BE INSPECTED TO ASCERTAIN WHETHER EROSION CONTROL MEASURES ARE EFFECTIVE IN PREVENTING SIGNIFICANT IMPACTS TO RECEIVING WATER(S). FOR AREAS OF A SITE THAT HAVE UNDERGONE FINAL STABILIZATION, THE PERMITTEE MUST COMPLY WITH PART IV.D.4.A.(3). THESE INSPECTIONS MUST BE CONDUCTED UNTIL A NOTICE OF TERMINATION IS SUBMITTED.
- CERTIFIED PERSONNEL (PROVIDED BY THE PRIMARY PERMITTEE) SHALL INSPECT AT LEAST ONCE PER MONTH DURING THE TERM OF THIS PERMIT (I.E., UNTIL A NOTICE OF TERMINATION IS RECEIVED BY EPD) THE AREAS OF THE SITE THAT HAVE UNDERGONE FINAL STABILIZATION. THESE AREAS SHALL BE INSPECTED FOR EVIDENCE OF, OR THE POTENTIAL FOR, POLLUTANTS ENTERING THE DRAINAGE SYSTEM AND THE RECEIVING WATER(S). EROSION AND SEDIMENT CONTROL MEASURES IDENTIFIED IN THE PLAN SHALL BE OBSERVED TO ENSURE THAT THEY ARE OPERATING CORRECTLY. WHERE DISCHARGE LOCATIONS OR POINTS ARE ACCESSIBLE, THEY SHALL BE INSPECTED TO ASCERTAIN WHETHER EROSION CONTROL MEASURES ARE EFFECTIVE IN PREVENTING SIGNIFICANT IMPACTS TO RECEIVING WATER(S).
- BASED ON THE RESULTS OF EACH INSPECTION, THE SITE DESCRIPTION AND THE POLLUTION PREVENTION AND CONTROL MEASURES IDENTIFIED IN THE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN, THE PLAN SHALL BE REVISED AS APPROPRIATE NOT LATER THAN SEVEN (7) CALENDAR DAYS FOLLOWING EACH INSPECTION. IMPLEMENTATION OF SUCH CHANGES SHALL BE MADE AS SOON AS PRACTICAL BUT IN NO CASE LATER THAN SEVEN (7) CALENDAR DAYS FOLLOWING EACH INSPECTION.
- A REPORT OF EACH INSPECTION THAT INCLUDES THE NAME(S) OF PERSONNEL MAKING EACH INSPECTION, THE DATE(S) OF EACH INSPECTION, MAJOR OBSERVATIONS RELATING TO THE IMPLEMENTATION OF THE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN, AND ACTIONS TAKEN IN ACCORDANCE WITH PART IV.D.4.A.(4) OF THIS PERMIT SHALL BE MADE AND MADE READILY AVAILABLE AT A DESIGNATED ALTERNATE LOCATION UNTIL THE ENTIRE SITE OR THAT PORTION OF A CONSTRUCTION PROJECT THAT HAS BEEN PHASED HAS UNDERGONE FINAL STABILIZATION AND A NOTICE OF TERMINATION IS SUBMITTED TO EPD. SUCH REPORTS SHALL IDENTIFY ANY NON-COMPLIANCE WITH THE REPORT. THE REPORT DOES NOT IDENTIFY ANY INCIDENTS OF NON-COMPLIANCE. THE REPORT SHALL CONTAIN A CERTIFICATION THAT THE CONSTRUCTION SITE IS IN COMPLIANCE WITH THE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN AND THIS PERMIT. THE REPORT SHALL BE SIGNED IN ACCORDANCE WITH PART V.G. OF THIS PERMIT.

30. SAMPLING FREQUENCY

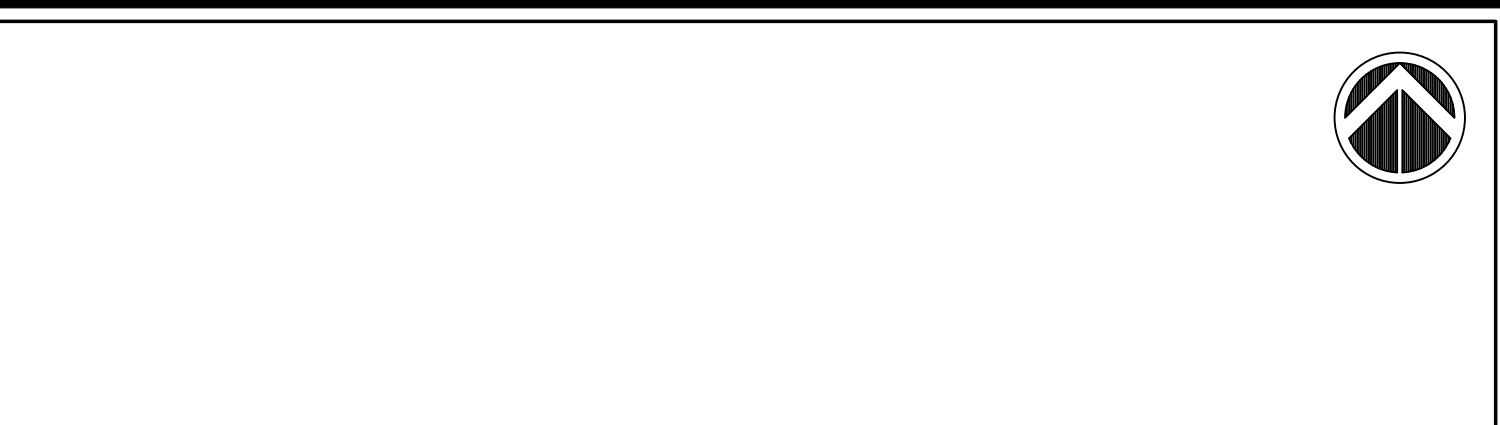
- THE PRIMARY PERMITTEE MUST SAMPLE IN ACCORDANCE WITH THE PLAN AT LEAST ONCE FOR EACH RAINFALL EVENT DESCRIBED BELOW. FOR A QUALIFYING EVENT, SAMPLES MUST BE TAKEN WITHIN FORTY-FIVE (45) MINUTES OF:
 - THE ACCUMULATION OF THE MINIMUM AMOUNT OF RAINFALL FOR THE QUALIFYING EVENT, IF THE STORM WATER DISCHARGE TO A MONITORED RECEIVING WATER OR FROM A MONITORED OUTFALL HAS BEGUN AT OR PRIOR TO THE ACCUMULATION, OR
 - THE BEGINNING OF ANY STORM WATER DISCHARGE TO A MONITORED RECEIVING WATER OR FROM A MONITORED OUTFALL, IF THE DISCHARGE BEGINS AFTER THE ACCUMULATION OF THE MINIMUM AMOUNT OF RAINFALL FOR THE QUALIFYING EVENT.
- HOWEVER, WHERE MANUAL AND AUTOMATIC SAMPLING ARE IMPOSSIBLE (AS DEFINED IN THIS PERMIT), OR ARE BEYOND THE PERMITTEE'S CONTROL, THE PERMITTEE SHALL TAKE SAMPLES AS SOON AS POSSIBLE, BUT IN NO CASE LATER THAN TWELVE (12) HOURS AFTER THE END OF THE STORM WATER DISCHARGE.
- SAMPLING BY THE PERMITTEE SHALL OCCUR FOR THE FOLLOWING EVENTS:
 - FOR EACH AREA OF THE SITE THAT DISCHARGES TO A RECEIVING STREAM, THE FIRST RAIN EVENT THAT REACHES OR EXCEEDS 0.5 INCH AND ALLOWS FOR MONITORING DURING NORMAL BUSINESS HOURS* (MONDAY THRU FRIDAY, 8:00 AM TO 5:00 PM AND SATURDAY 8:00 AM TO 5:00 PM, EXCLUDING ALL NON-WORKING FEDERAL HOLIDAYS, WHEN CONSTRUCTION ACTIVITY IS BEING CONDUCTED BY THE PRIMARY PERMITTEE) THAT OCCURS AFTER ALL CLEARING AND GRUBBING OPERATIONS HAVE BEEN COMPLETED IN THE DRAINAGE AREA OF THE LOCATION SELECTED AS THE SAMPLING LOCATION;
 - IN ADDITION TO (A) ABOVE, FOR EACH AREA OF THE SITE THAT DISCHARGES TO A RECEIVING STREAM, THE FIRST RAIN EVENT THAT REACHES OR EXCEEDS 0.5 INCH AND ALLOWS FOR MONITORING DURING NORMAL BUSINESS HOURS* THAT OCCURS EITHER 90 DAYS AFTER THE FIRST SAMPLING EVENT OR AFTER ALL MASS GRADING OPERATIONS HAVE BEEN COMPLETED IN THE DRAINAGE AREA OF THE LOCATION SELECTED AS THE SAMPLING LOCATION, WHICHEVER COMES FIRST;
 - AT THE TIME OF SAMPLING PERFORMED PURSUANT TO (A) AND (B) ABOVE, IF BMPs ARE FOUND TO BE PROPERLY DESIGNED, INSTALLED AND MAINTAINED, NO FURTHER ACTION IS REQUIRED. IF BMPs IN ANY AREA OF THE SITE THAT DISCHARGES TO A RECEIVING STREAM ARE NOT PROPERLY DESIGNED, INSTALLED AND MAINTAINED, CORRECTIVE ACTION SHALL BE DEFINED AND IMPLEMENTED WITHIN TWO (2) BUSINESS DAYS, AND TURBIDITY SAMPLES SHALL BE TAKEN FROM DISCHARGES FROM THAT AREA OF THE SITE FOR EACH SUBSEQUENT RAIN EVENT THAT REACHES OR EXCEEDS 0.5 INCH DURING NORMAL BUSINESS HOURS* UNTIL THE SELECTED TURBIDITY DESIGNER, INSPECTOR, OR UNTIL POST-STORM EVENT INSPECTIONS DETERMINE THAT BMPs ARE PROPERLY DESIGNED, INSTALLED AND MAINTAINED; AND
 - EXISTING CONSTRUCTION ACTIVITIES, I.E., THOSE THAT ARE OCCURRING ON OR BEFORE THE EFFECTIVE DATE OF THIS PERMIT, THAT HAVE MET THE SAMPLING REQUIRED BY (A) ABOVE SHALL SAMPLE IN ACCORDANCE WITH (B). THOSE EXISTING CONSTRUCTION ACTIVITIES THAT HAVE MET THE SAMPLING REQUIRED BY (B) ABOVE SHALL NOT BE REQUIRED TO CONDUCT ADDITIONAL SAMPLING OTHER THAN AS REQUIRED BY (C) ABOVE.
- *NOTES THAT THE PERMITTEE MAY CHOOSE TO MEET THE REQUIREMENTS OF (A) AND (B) ABOVE BY COLLECTING TURBIDITY SAMPLES FROM ANY RAIN EVENT THAT REACHES OR EXCEEDS 0.5 INCH AND
- NON-STORM WATER DISCHARGES, EXCEPT FOR FLOWS FROM FIRE FIGHTING ACTIVITIES. SOURCES OF NON-STORM WATER LISTED IN PART III.A.2. OF THIS PERMIT THAT ARE COMBINED WITH STORM WATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITY MUST BE IDENTIFIED IN THE PLAN. THE PLAN SHALL IDENTIFY AND ENSURE THE IMPLEMENTATION OF APPROPRIATE POLLUTION PREVENTION MEASURES FOR THE NON-STORM WATER COMPONENT(S) OF THE DISCHARGE.

- REPORTING
 - THE APPLICABLE PERMITTEES ARE REQUIRED TO SUBMIT A SUMMARY OF THE MONITORING RESULTS TO THE EPD AT THE ADDRESS SHOWN IN PART III.B. BY THE FIFTEENTH DAY OF THE MONTH FOLLOWING THE REPORTING PERIOD. REPORTING PERIODS SHALL BE MONTHLY DURING WHICH SAMPLES ARE TAKEN IN ACCORDANCE WITH THIS PERMIT. SAMPLING RESULTS SHALL BE IN A CLEARLY LEGIBLE FORMAT. UPON WRITTEN NOTIFICATION, EPD MAY REQUIRE THE APPLICABLE PERMITTEE TO SUBMIT THE SAMPLING RESULTS ON A MORE FREQUENT BASIS. SAMPLING AND ANALYSIS OF STORM WATER TURBIDITY TENDS TO BE BEYOND THE MINIMUM FREQUENCY STATED IN THIS PERMIT. THIS PERMIT MUST BE REPORTED IN A SIMILAR MANNER TO THE EPD. THE SAMPLING REPORTS MUST BE SIGNED IN ACCORDANCE WITH PART V.G. SAMPLING REPORTS MUST BE SUBMITTED TO EPD UNTIL SUCH TIME AS A NOT IS SUBMITTED IN ACCORDANCE WITH PART VI.
 - ALL WRITTEN CORRESPONDENCE REQUIRED BY THIS PERMIT SHALL BE SUBMITTED BY RETURN RECEIPT CERTIFIED MAIL (OR SIMILAR SERVICE) TO THE APPROPRIATE DISTRICT OFFICE OF THE EPD ACCORDING TO THE SCHEDULE IN APPENDIX A OF THIS PERMIT. THE PERMITTEE SHALL RETAIN A COPY OF THE PROOF OF SUBMITTAL AT THE DESIGNATED LOCATION UNTIL THE PROOF OF SUBMITTAL IS READILY AVAILABLE AT A DESIGNATED LOCATION FROM COMMENCEMENT OF CONSTRUCTION UNTIL SUCH TIME AS A NOT IS SUBMITTED IN ACCORDANCE WITH PART VI.
 - ALL MONITORING RESULTS SHALL INCLUDE THE FOLLOWING INFORMATION:
 - THE DATE, EXACT PLACE, AND TIME OF SAMPLING OR MEASUREMENTS;
 - THE NAME(S) OF THE INDIVIDUAL(S) WHO PERFORMED THE SAMPLING AND MEASUREMENTS;
 - THE DATE(S) ANALYSES WERE PERFORMED;
 - THE TIME(S) ANALYSES WERE INITIATED;
 - THE NAME(S) OF THE INDIVIDUAL(S) WHO PERFORMED THE ANALYSES;
 - REFERENCES AND WRITTEN PROCEDURES, WHEN AVAILABLE, FOR THE ANALYTICAL TECHNIQUES OR METHODS USED; AND
 - THE RESULTS OF SUCH ANALYSES, INCLUDING THE BENCH SHEETS, INSTRUMENT READOUTS, COMPUTER DISKS OR TAPES, ETC., USED TO DETERMINE THESE RESULTS.
 - RESULTS WHICH EXCEED 1000 NTU SHALL BE REPORTED AS "EXCEEDS 1000 NTU."
- RETENTION OF RECORDS.
THE PRIMARY PERMITTEE SHALL RETAIN THE FOLLOWING RECORDS AT THE CONSTRUCTION SITE OR THE RECORDS SHALL BE READILY AVAILABLE AT A DESIGNATED ALTERNATE LOCATION FROM COMMENCEMENT OF CONSTRUCTION UNTIL SUCH TIME AS A NOT IS SUBMITTED IN ACCORDANCE WITH PART VI:
A. A COPY OF ALL NOTICES OF INTENT SUBMITTED TO EPD;
B. A COPY OF THE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN REQUIRED BY THIS PERMIT;
C. THE DESIGN PROFESSIONAL'S REPORT OF THE RESULTS OF THE INSPECTION CONDUCTED IN ACCORDANCE WITH PART IV.D.5 OF THIS PERMIT;
D. A COPY OF ALL MONITORING INFORMATION, RESULTS, AND REPORTS REQUIRED BY THIS PERMIT;
E. A COPY OF ALL INSPECTION REPORTS GENERATED IN ACCORDANCE WITH PART IV.D.4.A. OF THIS PERMIT;
F. A COPY OF ALL INSPECTION AND VIOLATION SUMMARY REPORTS GENERATED IN ACCORDANCE WITH PART III.D.2. OF THIS PERMIT; AND
G. DAILY RAINFALL INFORMATION COLLECTED IN ACCORDANCE WITH PART IV.D.4.A.(1)(C) OF THIS PERMIT.
COPIES OF ALL NOTICES OF INTENT, NOTICES OF TERMINATION, REPORTS, PLANS, MONITORING REPORTS, MONITORING INFORMATION, INCLUDING ALL CALIBRATION AND MAINTENANCE RECORDS AND ALL ORIGINAL STRIP CHART RECORDINGS FOR CONTINUOUS MONITORING INFORMATION, EROSION, SEDIMENTATION AND POLLUTION CONTROL PLANS, RECORDS OF ALL DATA USED TO COMPLETE THE NOTICE OF INTENT TO BE COVERED BY THIS PERMIT AND ALL OTHER RECORDS REQUIRED BY THIS PERMIT SHALL BE RETAINED BY THE PERMITTEE WHO EITHER PRODUCED OR USED IT FOR A PERIOD OF AT LEAST THREE YEARS FROM THE DATE THAT THE NOT IS SUBMITTED IN ACCORDANCE WITH PART VI OF THIS PERMIT. THESE RECORDS WILL BE MAINTAINED AT THE PERMITTEE'S PRIMARY PLACE OF BUSINESS OR AT A DESIGNATED ALTERNATE LOCATION ONCE THE CONSTRUCTION ACTIVITY HAS CEASED AT THE PERMITTED SITE. THIS PERIOD MAY BE EXTENDED BY REQUEST OF THE EPD AT ANY TIME UPON WRITTEN NOTIFICATION TO THE PERMITTEE.

33. SAMPLE TYPE.
A. ALL SAMPLING SHALL BE COLLECTED BY "GRAB SAMPLES" AND THE ANALYSIS OF THESE SAMPLES MUST BE CONDUCTED IN ACCORDANCE WITH METHODOLOGY AND TEST PROCEDURES ESTABLISHED BY 40 CFR PART 136 (UNLESS OTHER TEST PROCEDURES HAVE BEEN APPROVED); THE GUIDANCE DOCUMENT TITLED "NPDES STORM WATER SAMPLING GUIDANCE DOCUMENT, EPA 833-B-92-001" AND GUIDANCE DOCUMENTS THAT MAY BE PREPARED BY THE EPD.
1. SAMPLE CONTAINERS SHOULD BE LABELED PRIOR TO COLLECTING THE SAMPLES.
2. SAMPLES SHOULD BE MIXED BEFORE TRANSFERRING TO A SECONDARY CONTAINER.
3. LARGE MOUTH, WELL CLEANED AND RINSED GLASS OR PLASTIC JARS SHOULD BE USED FOR COLLECTING SAMPLES. THE JARS SHOULD BE CLEANED THOROUGHLY TO AVOID CONTAMINATION.
4. MANUAL, AUTOMATIC OR RISING STAGE SAMPLING MAY BE UTILIZED. SAMPLES REQUIRED BY THIS PERMIT SHOULD BE ANALYZED IMMEDIATELY AFTER COLLECTION. IF NOT ANALYZED IMMEDIATELY AFTER COLLECTION, SAMPLES FROM AUTOMATIC SAMPLERS MUST BE COLLECTED NO LATER THAN THE NEXT BUSINESS DAY AFTER THEIR ACCUMULATION, UNLESS FLOW THROUGH AUTOMATED ANALYSIS IS UTILIZED. DILUTION OF SAMPLES IS NOT REQUIRED. SAMPLES MAY BE ANALYZED DIRECTLY ON A PROPERLY CALIBRATED TURBIDIMETER. SAMPLES ARE NOT REQUIRED TO BE COOLED.
5. SAMPLING AND ANALYSIS OF THE RECEIVING WATER(S) OR OUTFALLS BEYOND THE MINIMUM FREQUENCY STATED IN THIS PERMIT MUST BE REPORTED TO EPD AS SPECIFIED IN PART I.V.E. C.

SAMPLING POINTS.
FOR CONSTRUCTION ACTIVITIES THE PRIMARY PERMITTEE MUST SAMPLE ALL PERENNIAL AND INTERMITTENT STREAMS AND OTHER WATER BODIES SHOWN ON THE USGS TOPOGRAPHIC MAP AND ALL OTHER FIELD VERIFIED PERENNIAL AND INTERMITTENT STREAMS AND OTHER WATER BODIES, OR ALL OUTFALLS INTO SUCH STREAMS AND OTHER WATER BODIES, OR A COMBINATION THEREOF, PROVIDED FOR IN AND IN ACCORDANCE WITH PART IV.D.6.C.(2). OF THIS PERMIT. PRIMARY PERMITTEE SHALL TAKE REPRESENTATIVE SAMPLES FROM EACH OF THE FOLLOWING: (A) REPRESENTATIVE PERENNIAL AND INTERMITTENT STREAMS, OTHER WATER BODIES OR OUTFALLS, OR A COMBINATION THEREOF. SAMPLES TAKEN FOR THE PURPOSE OF COMPLIANCE WITH THIS PERMIT SHALL BE REPRESENTATIVE OF THE MONITORED ACTIVITY AND REPRESENTATIVE OF THE WATER QUALITY OF THE RECEIVING WATER(S) AND/OR THE STORM WATER OUTFALLS USING THE FOLLOWING MINIMUM GUIDELINES:
A. THE UPSTREAM SAMPLE FOR EACH RECEIVING WATER(S) MUST BE TAKEN IMMEDIATELY UPSTREAM OF THE CONFLUENCE OF THE FIRST STORM WATER DISCHARGE FROM THE PERMITTED ACTIVITY (I.E., THE DISCHARGE FARTHEST UPSTREAM AT THE SITE) BUT DOWNSTREAM OF ANY OTHER STORM WATER DISCHARGES NOT ASSOCIATED WITH THE PERMITTED ACTIVITY. WHERE APPROPRIATE, SEVERAL UPSTREAM SAMPLES FROM ACROSS THE RECEIVING WATER(S) MAY BE TAKEN TO ENSURE THAT THEY ARE OPERATING CORRECTLY. WHERE DISCHARGE LOCATIONS OR POINTS ARE ACCESSIBLE, THEY SHALL BE INSPECTED TO ASCERTAIN WHETHER EROSION CONTROL MEASURES ARE EFFECTIVE IN PREVENTING SIGNIFICANT IMPACTS TO RECEIVING WATER(S). FOR AREAS OF A SITE THAT HAVE UNDERGONE FINAL STABILIZATION, THE PERMITTEE MUST COMPLY WITH PART IV.D.4.A.(3). THESE INSPECTIONS MUST BE CONDUCTED UNTIL A NOTICE OF TERMINATION IS SUBMITTED.
B. THE DOWNSTREAM SAMPLE FOR EACH RECEIVING WATER(S) MUST BE TAKEN DOWNSTREAM OF THE CONFLUENCE OF THE LAST STORM WATER DISCHARGE FROM THE PERMITTED ACTIVITY (I.E., THE DISCHARGE FARTHEST DOWNSTREAM AT THE SITE) BUT UPSTREAM OF ANY OTHER STORM WATER DISCHARGE NOT ASSOCIATED WITH THE PERMITTED ACTIVITY. WHERE APPROPRIATE, SEVERAL DOWNSTREAM SAMPLES FROM ACROSS THE RECEIVING WATER(S) MAY BE TAKEN AND THE ARITHMETIC AVERAGE OF THE TURBIDITY OF THESE SAMPLES USED FOR THE DOWNSTREAM TURBIDITY VALUE.
C. IDEALLY THE SAMPLES SHOULD BE TAKEN FROM THE HORIZONTAL AND VERTICAL CENTER OF THE RECEIVING WATER(S) OR THE STORM WATER OUTFALL CHANNEL(S).
D. CARE SHOULD BE TAKEN TO AVOID STIRRING THE BOTTOM SEDIMENTS IN THE RECEIVING WATER(S) OR IN THE OUTFALL STORM WATER CHANNEL.
E. THE SAMPLING CONTAINER SHOULD BE HELD SO THAT THE OPENING FACES UPSTREAM.
F. THE SAMPLES SHOULD BE KEPT FREE FROM FLOATING DEBRIS.
G. PERMITTEES DO NOT HAVE TO SAMPLE SHEETFLOW THAT FLOWS INTO UNDISTURBED NATURAL AREAS OR AREAS STABILIZED BY THE PROJECT, FOR PURPOSES OF THIS SECTION, STABILIZED SHALL MEAN, FOR UNPAVED AREAS AND AREAS NOT COVERED BY PERMANENT STRUCTURES AND AREAS LOCATED OUTSIDE THE ESORTE DISPOSAL LIMITS OF A LANDFILL CELL THAT HAS BEEN CERTIFIED BY EPD FOR WASTE DISPOSAL, 100% OF THE SOIL SURFACE IS UNIFORMLY COVERED IN PERMANENT VEGETATION WITH A DENSITY OF 70% OR GREATER, OR EQUIVALENT PERMANENT STABILIZATION MEASURES (SUCH AS THE USE OF RIP RAP, GABIONS, PERMANENT MULCHES OR GEOTEXTILES) HAVE BEEN USED. PERMANENT VEGETATION SHALL CONSIST OF: PLANTED TREES, SHRUBS, PERENNIAL VINES; A CROP OF PERENNIAL VEGETATION APPROPRIATE FOR THE TIME OF YEAR AND REGION; OR A CROP OF ANNUAL VEGETATION AND A SEEDING OF TARGET CROP PERENNIALS APPROPRIATE FOR THE REGION. FOR INFRASTRUCTURE CONSTRUCTION ON LAND USED FOR AGRICULTURAL OR CULTURAL PURPOSES, FINAL STABILIZATION MAY BE ACCOMPLISHED BY STABILIZING THE DISTURBED LAND FOR ITS AGRICULTURAL OR CULTURAL USE. FINAL STABILIZATION APPLIES TO EACH PHASE OF CONSTRUCTION.
H. ALL SAMPLING PURSUANT TO THIS PERMIT MUST BE DONE IN SUCH A WAY (INCLUDING GENERALLY ACCEPTED SAMPLING METHODS, FREQUENCY, TIMING, AND FREQUENCY) AS TO ACCURATELY REFLECT WHETHER STORM WATER RUNOFF FROM THE CONSTRUCTION SITE IS IN COMPLIANCE WITH THE STANDARD SET FORTH IN PARTS III.D.3. OR III.D.4., WHICHEVER IS APPLICABLE.

- SEE APPENDIX B TO THIS SHEET FOR NEPHELOMETRIC TURBIDITY UNIT (NTU) TABLES
- MEASURES THAT WILL BE INSTALLED DURING CONSTRUCTION WILL INCLUDE TEMPORARY SEDIMENT BASINS AND EXCAVATED INLET SEDIMENT TRAPS TO CAPTURE SEDIMENT AND THEN EXCAVATED INLET SEDIMENT TRAPS TO BE INSTALLED AFTER THE INSTALLATION OF THE PROPOSED STORMWATER PIPE NETWORK. EROSION MATS WILL BE USED ON ALL SLOPES ABOVE THE PROPOSED RETAINING WALL AS WELL AS DUST CONTROL AND TEMPORARY SEEDING AND THEN PERMANENT SODDING WILL PROTECT SLOPES FROM EROSION.
- GRAPHIC SCALE AND NORTH ARROW ARE SHOWN ON ALL PLAN VIEW SHEETS.
- EXISTING AND PROPOSED CONTOURS ARE SHOWN ON ALL EROSION, SEDIMENT, AND POLLUTION CONTROL PLAN SHEETS.
- ALTERNATE BMPs ARE NOT PROPOSED FOR THIS PROJECT.
- THERE IS NO USE OF ALTERNATE BMPs FOR APPLICATION TO THE EQUIVALENT BMP LIST ON THIS PROJECT.
- NO REQUIRED BUFFERS AS THERE ARE NO STATE WATERS ON OR WITHIN 200 FEET OF THE PROJECT SITE.
- THERE ARE NO WETLANDS NOR STATE WATERS ON OR WITHIN 200 FEET OF THE PROJECT SITE.
- CONTRIBUTING DRAINAGE BASIN BOUNDARIES ARE SHOWN ON SHEET 53-01
- A HYDROLOGY REPORT HAS BEEN SUBMITTED.
- ESTIMATED PRE-CONSTRUCTION RUNOFF COEFFICIENT: 0.50
- ESTIMATED POST-CONSTRUCTION RUNOFF COEFFICIENT: 0.60
- STORM DRAIN PIPE VELOCITIES, WEIR VELOCITIES, AND OUTLET PROTECTION ARE SHOWN ON SHEET N/A
- SOIL SERIES ARE SHOWN ON SHEET 54-01 TO 54-09
- THE LIMITS OF DISTURBANCE ARE SHOWN ON SHEETS 54-01 TO 54-09
- TEMPORARY CONSTRUCTION BASINS ARE SHOWN ON SHEETS N/A
- BMP LOCATIONS ARE SHOWN ON SHEETS 54-04 TO 54-09. BMPs ARE CONSISTENT WITH AND NO LESS STRINGENT THAN THE MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA.
- SEE SHEETS C800-C801 FOR DETAILED DRAWINGS.
- VEGETATIVE PLAN IS SHOWN ON SHEETS N/A. CONSTRUCTION DRAWINGS, INCLUDING SPECIES, PLANTING DATES AND SEEDING, FERTILIZER, LIME, AND MULCHING RATES ARE ON SHEET N/A.



USGS MAP N.T.S.

APPENDIX B NEPHELOMETRIC TURBIDITY UNIT (NTU) TABLES
WARM WATER (SUPPORTING WARM WATER FISHES)
SURFACE WATER DRAINAGE AREA, SQUARE MILES

SITE SIZE, ACRES	0-4.99	5-9.99	10-24.99	25-49.99	50-99.99	100-249.99	250-499.99	500+
1.00-10	75	150	200	400	750	750	750	750
10.01-25	50	100	100	200	300	500	750	750
25.01-50	50	50	100	100	200	300	750	750
50.01-100	50	50	50	100	100	150	600	600
100.01 +	50	50	50	50	50	100	200	100

21 & 22: TMDL IMPLEMENTATION PLAN
THE PROPOSED PROJECT DISCHARGES INTO, OR WITHIN ONE MILE UPSTREAM OF AND WITHIN THE SAME WATERSHED AS A BIOTA IMPAIRED STREAM SEGMENT (XXXX).
THIS PLAN REQUIRES THE IMPLEMENTATION OF THE FOLLOWING BEST MANAGEMENT PRACTICES (BMPs) TO COMPLY WITH PART III.C OF THE GARI00003:
1. SOD
2. INLET SEDIMENT TRAPS
3. CURB INLET FILTER
4. SILT FENCE

ANTICIPATED ACTIVITY SCHEDULE

ACTIVITY	JAN
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EROSION, SEDIMENT AND POLLUTION CONTROL GENERAL NOTES

PRACTICES SUCH AS GOOD HOUSEKEEPING, PROPER HANDLING OF HAZARDOUS PRODUCTS AND PROPER SPILL CONTROL PRACTICES WILL BE FOLLOWED TO REDUCE THE RISK OF SPILLS AND SPILLS FROM DISCHARGING INTO STORM WATER RUNOFF.

GOOD HOUSEKEEPING

- 1. QUANTITIES OF PRODUCTS STORED ON-SITE WILL BE LIMITED TO THE AMOUNT NEEDED FOR THE JOB.
2. PRODUCTS AND MATERIALS WILL BE STORED IN A NEAT, ORDERLY MANNER IN APPROPRIATE CONTAINERS PROTECTED FROM RAINFALL, WHERE POSSIBLE.
3. PRODUCTS WILL BE KEPT IN TIGHTLY SEALED CONTAINERS WITH MANUFACTURER LABELS LEGIBLE AND VISIBLE.
4. PRODUCT MIXING, DISPOSAL AND DISPOSAL OF PRODUCT CONTAINERS WILL BE ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS.
5. THE CONTRACTOR WILL INSPECT SUCH MATERIALS TO ENSURE PROPER USE, STORAGE, AND DISPOSAL.

PRODUCT SPECIFIC PRACTICES

PAINTS / FINISHES / SOLVENTS - ALL PRODUCTS WILL BE STORED IN TIGHTLY SEALED ORIGINAL CONTAINERS WHEN NOT IN USE. EXCESS PRODUCT WILL NOT BE DISCHARGED TO THE STORM WATER COLLECTION SYSTEM. EXCESS PRODUCT, MATERIALS USED WITH THESE PRODUCTS AND PRODUCT CONTAINERS WILL BE DISPOSED OF ACCORDING TO MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATIONS.

FERTILIZER / HERBICIDES - THESE PRODUCTS WILL BE APPLIED AT RATES THAT DO NOT EXCEED THE MANUFACTURER'S SPECIFICATION OR ABOVE THE GUIDELINES SET FORTH IN THE CROP ESTABLISHMENT OR IN THE GSWC MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA. ANY STORAGE OF THESE MATERIALS WILL BE UNDER ROOF IN SEALED CONTAINERS.

BUILDING MATERIALS - NO BUILDING OR CONSTRUCTION MATERIALS WILL BE BURIED OR DISPOSED OF ON SITE. ALL SUCH MATERIALS WILL BE DISPOSED OF IN PROPER WASTE DISPOSAL PROCEDURES.

WASTE MATERIALS

ALL WASTE MATERIALS WILL BE COLLECTED AND STORED IN A SECURELY WELDED METAL DUMPSTER. THE DUMPSTER WILL MEET ALL SOLID WASTE MANAGEMENT REGULATIONS. ALL TRASH AND CONSTRUCTION DEBRIS FROM THE SITE WILL BE DEPOSITED IN THE DUMPSTER. THE DUMPSTER WILL BE EMPTIED A MINIMUM OF ONCE PER WEEK OR MORE OFTEN IF NECESSARY AND TRASH WILL BE HAULED AS REQUIRED BY LOCAL REGULATION. NO CONSTRUCTION WASTE WILL BE BURIED ON SITE.

ALL PERSONNEL WILL BE INSTRUCTED ON PROPER PROCEDURE FOR WASTE DISPOSAL. A NOTICE STATING THESE PRACTICES AT THE JOB SITE AND THE CONTRACTOR WILL BE RESPONSIBLE FOR SEEING THAT THESE PROCEDURES ARE FOLLOWED.

EROSION, SEDIMENT AND POLLUTION CONTROL PLAN NOTES

ELIGIBILITY

- 1. CONSTRUCTION ACTIVITIES. THIS PERMIT AUTHORIZES, SUBJECT TO THE CONDITIONS OF THIS PERMIT:
A. ALL DISCHARGES OF STORM WATER ASSOCIATED WITH STAND ALONE CONSTRUCTION PROJECTS THAT WILL RESULT IN LAND DISTURBANCE EQUAL TO OR GREATER THAN ONE (1) ACRE OCCURRING ON OR BEFORE, AND CONTINUING AFTER, THE EFFECTIVE DATE OF THIS PERMIT.
B. ALL DISCHARGES OF STORM WATER ASSOCIATED WITH STAND ALONE CONSTRUCTION PROJECTS THAT WILL RESULT IN LAND DISTURBANCE EQUAL TO OR GREATER THAN ONE (1) ACRE OCCURRING AFTER THE EFFECTIVE DATE OF THIS PERMIT.
C. COVERED UNDER THIS PERMIT IS NOT REQUIRED FOR DISCHARGES OF STORM WATER ASSOCIATED WITH MINOR LAND DISTURBING ACTIVITIES (SUCH AS HOME GARDENS AND INDIVIDUAL HOME LANDSCAPING, REPAIRS, MAINTENANCE WORK, FENCES AND OTHER RELATED ACTIVITIES WHICH RESULT IN MINOR SOIL EROSION) CONDUCTED OUTSIDE OF THE 25 FOOT BUFFER ALONG THE BANKS OF ALL STATE WATERS REQUIRING A BUFFER AND OUTSIDE OF THE 50 FOOT BUFFER ALONG THE BANKS OF ALL TROUT STREAMS CLASSIFIED AS TROUT STREAMS REQUIRING A BUFFER ON INDIVIDUAL RESIDENTIAL LOTS SOLD TO HOMEOWNERS WHERE ALL PLANNED CONSTRUCTION ACTIVITIES ON THAT LOT HAVE BEEN COMPLETED AND HAVE UNDERGONE FINAL STABILIZATION.
2. MIXED STORM WATER DISCHARGES. THIS PERMIT MAY ONLY AUTHORIZE A STORM WATER DISCHARGE FROM A CONSTRUCTION SITE OR CONSTRUCTION ACTIVITIES THAT IS MIXED WITH A STORM WATER DISCHARGE FROM AN INDUSTRIAL SOURCE OR ACTIVITY OTHER THAN CONSTRUCTION WHERE:
A. THE INDUSTRIAL SOURCE OR ACTIVITY OTHER THAN CONSTRUCTION IS LOCATED ON THE SAME SITE AS THE CONSTRUCTION ACTIVITY AND IS AN INTEGRAL PART OF THE CONSTRUCTION ACTIVITY.
B. THE STORM WATER DISCHARGES ASSOCIATED WITH INDUSTRIAL ACTIVITY FROM THE AREAS OF THE SITE WHERE CONSTRUCTION ACTIVITIES ARE OCCURRING ARE IN COMPLIANCE WITH THE TERMS OF THIS PERMIT; AND
C. STORM WATER DISCHARGES ASSOCIATED WITH INDUSTRIAL ACTIVITY FROM THE AREAS OF THE SITE WHERE INDUSTRIAL ACTIVITY OTHER THAN CONSTRUCTION ARE OCCURRING ARE COVERED BY A DIFFERENT NPDES GENERAL PERMIT OR INDIVIDUAL NPDES PERMIT AUTHORIZING SUCH DISCHARGES AND THE DISCHARGES ARE IN COMPLIANCE WITH A DIFFERENT NPDES PERMIT.
3. LIMITATIONS ON COVERAGE. THE FOLLOWING STORM WATER DISCHARGES FROM CONSTRUCTION SITES ARE NOT AUTHORIZED BY THIS PERMIT:
A. STORM WATER DISCHARGES ASSOCIATED WITH AN INDUSTRIAL ACTIVITY THAT ORIGINATE FROM THE SITE AFTER CONSTRUCTION ACTIVITIES HAVE BEEN COMPLETED AND THE SITE HAS UNDERGONE FINAL STABILIZATION.
B. DISCHARGES THAT ARE MIXED WITH STORM WATER FROM OTHER THAN DISCHARGES WHICH ARE IDENTIFIED IN PART II.A.2. OF THIS PERMIT AND WHICH ARE IN COMPLIANCE WITH PART IV.D.7. (NON-STORM WATER DISCHARGES) OF THIS PERMIT.
C. STORM WATER DISCHARGES ASSOCIATED WITH INDUSTRIAL ACTIVITY THAT ARE SUBJECT TO AN EXISTING NPDES INDIVIDUAL OR GENERAL PERMIT. SUCH DISCHARGES MAY BE AUTHORIZED UNDER THIS PERMIT AFTER AN EXISTING PERMIT EXPIRES PROVIDED THE EXISTING PERMIT DID NOT ESTABLISH NUMERIC LIMITATIONS FOR SUCH DISCHARGES; AND
D. STORM WATER DISCHARGES FROM CONSTRUCTION SITES THAT THE DIRECTOR (EPD) HAS DETERMINED TO BE OR MAY REASONABLY BE EXPECTED TO BE CONTRIBUTING TO A VIOLATION OF A WATER QUALITY STANDARD.

AUTHORIZATION

- 1. ANY PERSON DESIRING COVERAGE UNDER THIS PERMIT MUST SUBMIT A NOTICE OF INTENT (NOI) TO THE EPD AND THE NOI MUST BE RECEIVED BY THE EPD IN ACCORDANCE WITH THE REQUIREMENTS OF PART II, USING NOI FORMS PROVIDED BY THE EPD (OR AN EXACT PHOTOCOPY THEREOF), IN ORDER FOR STORM WATER DISCHARGES FROM CONSTRUCTION SITES TO BE AUTHORIZED.
2. UNLESS NOTIFIED BY THE DIRECTOR TO THE CONTRARY, A PERMITTEE WHO SUBMITS AN NOI IN ACCORDANCE WITH THE REQUIREMENTS OF THIS PERMIT IS AUTHORIZED TO DISCHARGE STORM WATER FROM CONSTRUCTION SITES UNDER THE TERMS AND CONDITIONS OF THIS PERMIT FOURTEEN (14) DAYS AFTER THE DATE THAT THE NOI IS POSTMARKED. THE DIRECTOR MAY DENY COVERAGE UNDER THIS PERMIT AND REQUIRE SUBMITTAL OF AN APPLICATION FOR AN INDIVIDUAL NPDES PERMIT OR ALTERNATIVE GENERAL NPDES PERMIT BASED ON A REVIEW OF THE NOI OR OTHER INFORMATION. SHOULD THE DIRECTOR DENY COVERAGE UNDER THIS PERMIT, COVERAGE UNDER THIS PERMIT IS AUTHORIZED UNTIL THE DATE SPECIFIED IN THE NOTICE OF DENIAL BY THE DIRECTOR.
3. WHERE A NEW PERMITTEE IS TO BEGIN WORK ON A SITE AFTER AN NOI FOR THE FACILITY/CONSTRUCTION SITE HAS BEEN SUBMITTED, THAT NEW PERMITTEE MUST SUBMIT A NEW NOI IN ACCORDANCE WITH PART II CONTINUING OBLIGATIONS OF PERMITTEES, UNLESS AND UNTIL RESPONSIBILITY FOR A SITE COVERED UNDER THIS PERMIT IS PROPERLY TERMINATED ACCORDING TO THE TERMS OF THE PERMIT. THE INITIAL PERMITTEE REMAINS RESPONSIBLE FOR COMPLIANCE WITH ALL APPLICABLE TERMS OF THE PERMIT AND FOR ANY VIOLATIONS OF SAID TERMS.

NOTICE OF INTENT REQUIREMENTS

- A. DEADLINES FOR NOTIFICATION
1. EXCEPT AS PROVIDED IN PART II.A.2, II.A.3, AND II.A.5, OWNERS OR OPERATORS OR BOTH WHO INTEND TO OBTAIN COVERAGE UNDER THIS GENERAL PERMIT FOR STORM WATER DISCHARGES FROM CONSTRUCTION SITES (WHERE CONSTRUCTION ACTIVITIES BEGIN AFTER ISSUANCE OF THIS PERMIT), SHALL SUBMIT A NOTICE OF INTENT (NOI) IN ACCORDANCE WITH THE REQUIREMENTS OF THIS PART AT LEAST FOURTEEN (14) DAYS PRIOR TO THE COMMENCEMENT OF CONSTRUCTION ACTIVITIES.
2. FOR SITES WHERE CONSTRUCTION ACTIVITIES, SUBJECT TO THIS PERMIT, ARE OCCURRING ON THE EFFECTIVE DATE OF THIS PERMIT, THE OWNER OR OPERATOR OR BOTH SHALL SUBMIT AN NOI IN ACCORDANCE WITH THE REQUIREMENTS OF THIS PART NO LATER THAN SIXTY (60) DAYS AFTER THE EFFECTIVE DATE OF THIS PERMIT.
3. A DISCHARGER IS NOT PERMITTED FROM SUBMITTING AN NOI IN ACCORDANCE WITH THE REQUIREMENTS OF THIS PART AFTER THE EFFECTIVE DATE OF THIS PERMIT. IN SUCH INSTANCES, EPD MAY BRING AN ENFORCEMENT ACTION FOR FAILURE TO SUBMIT AN NOI IN A TIMELY MANNER OR FOR ANY UNAUTHORIZED DISCHARGES OF STORM WATER ASSOCIATED WITH CONSTRUCTION ACTIVITY THAT HAVE OCCURRED ON OR AFTER THE DATES SPECIFIED IN PART II.A.2.
4. WHERE AN OWNER OR OPERATOR OR BOTH CHANGES AFTER AN NOI HAS BEEN FILED, THE SUBSEQUENT OWNER OR OPERATOR OR BOTH MUST FILE A NEW NOI IN ACCORDANCE WITH THIS PART, AT LEAST SEVEN (7) DAYS BEFORE BEGINNING WORK AT THE FACILITY/CONSTRUCTION SITE. IN THE EVENT A LENDER OR OTHER SECURED CREDITOR ACQUIRES LEGAL TITLE TO THE FACILITY/CONSTRUCTION SITE, SUCH PARTY MUST FILE A NEW NOI IN ACCORDANCE WITH THIS PART BY THE EARLIER TO OCCUR OF (A) SEVEN (7) DAYS BEFORE BEGINNING WORK AT THE FACILITY/CONSTRUCTION SITE; OR (B) THIRTY (30) DAYS FROM ACQUIRING LEGAL TITLE TO THE FACILITY/CONSTRUCTION SITE. STABILIZATION AND BMP INSTALLATION AND/OR MAINTENANCE MEASURES ON A DISTURBED SITE, BY THE SUBSEQUENT OWNER OR OPERATOR, MAY OCCUR IN ADVANCE OF FILING A NEW NOI UNDER THIS PERMIT.
5. FOR SITES WHERE CONSTRUCTION ACTIVITIES WILL RESULT IN LAND DISTURBANCE EQUAL TO OR GREATER THAN ONE (1) ACRE THAT ARE REQUIRED AS A RESULT OF STORM- OR EMERGENCY-RELATED REPAIR WORK, THE OWNER OR OPERATOR OR BOTH SHALL NOTIFY THE APPROPRIATE EPD DISTRICT OFFICE WITHIN THREE (3) DAYS OF COMMENCEMENT OF SAID CONSTRUCTION ACTIVITIES. THE OWNER OR OPERATOR OR BOTH SHALL SUBMIT THE NOI TO THE APPROPRIATE EPD DISTRICT OFFICE AS SOON AS POSSIBLE AFTER THE STORM OR EMERGENCY-RELATED EVENT BUT NO LATER THAN FOURTEEN (14) DAYS AFTER THE COMMENCEMENT OF CONSTRUCTION ACTIVITIES AND SHALL SUBMIT THE PLAN IN ACCORDANCE WITH PART IV.A.6.

NOTICE OF INTENT SUBMITTAL

NOIS ARE TO BE SUBMITTED BY RETURN RECEIPT CERTIFIED MAIL (OR SIMILAR SERVICE) TO BOTH THE APPROPRIATE EPD DISTRICT OFFICE ACCORDING TO THE SCHEDULE IN APPENDIX A OF THIS PERMIT AND TO THE LOCAL ISSUING AUTHORITY IN JURISDICTIONS AUTHORIZED TO ISSUE A LAND DISTURBANCE ACTIVITY PERMIT FOR THE PERMITTEE'S CONSTRUCTION SITE PURSUANT TO O.C.G.A. 12-7-1, ET SEQ. IF AN ELECTRONIC SUBMITTAL SERVICE IS PROVIDED BY EPD THEN THE NOI MAY BE SUBMITTED ELECTRONICALLY SO LONG AS A PAPER COPY IS ALSO SUBMITTED BY RETURN RECEIPT OR SIMILAR SERVICE. THE PERMITTEE SHALL RETAIN A COPY OF THE PROOF OF SUBMITTAL AT THE CONSTRUCTION SITE OR THE PROOF OF SUBMITTAL SHALL BE READILY AVAILABLE AT A DESIGNATED ALTERNATIVE LOCATION FROM COMMENCEMENT OF CONSTRUCTION UNTIL SUCH TIME AS A NOTICE OF TERMINATION (NOT) IS SUBMITTED IN ACCORDANCE WITH PART V.

FEES

ANY APPLICABLE FEES SHALL BE SUBMITTED BY THE PRIMARY PERMITTEE IN ACCORDANCE WITH RULES AND REGULATIONS FOR WATER QUALITY CONTROL (RULES) PROMULGATED BY THE BOARD OF NATURAL RESOURCES. BY SUBMITTING AN NOI FOR COVERAGE UNDER THIS PERMIT THE PRIMARY PERMITTEE AGREES TO PAY ANY FEES REQUIRED, NOW OR IN THE FUTURE, BY SUCH RULES AUTHORIZED UNDER O.C.G.A. SECTIONS 2-23(a)(5)(A), 2-23(a)(5)(B), AND 2-23(a)(5)(C). THE BOARD OF NATURAL RESOURCES TO ESTABLISH A FEE SYSTEM. FEES MAY BE ASSESSED ON LAND DISTURBANCE ACTIVITY PROPOSED TO OCCUR ON OR AFTER THE EFFECTIVE DATE OF THIS PERMIT AND SHALL BE PAID IN ACCORDANCE WITH SUCH RULES.

UPON ISSUANCE OF A NEW OR DIFFERENT GENERAL PERMIT FOR SOME OR ALL OF THE STORM WATER DISCHARGES COVERED BY THIS PERMIT, THE PERMITTEE IS REQUIRED TO NOTIFY THE EPD OF THEIR INTENT TO BE COVERED BY THE NEW OR DIFFERENT GENERAL PERMIT. THE PERMITTEE MUST SUBMIT A NEW NOTICE OF INTENT IN ACCORDANCE WITH THE NOTIFICATION REQUIREMENTS OF THE NEW OR DIFFERENT GENERAL PERMIT.

SPECIAL CONDITIONS, MANAGEMENT PRACTICES, PERMIT VIOLATIONS AND OTHER LIMITATIONS

- A. PROHIBITION ON NON-STORM WATER DISCHARGES.
1. EXCEPT AS PROVIDED IN PART I.C.2. AND II.A.2, ALL DISCHARGES COVERED BY THIS PERMIT SHALL BE COMPOSED ENTIRELY OF STORM WATER.
2. THE FOLLOWING NON-STORM WATER DISCHARGES MAY BE AUTHORIZED BY THIS PERMIT PROVIDED THE NON-STORM WATER COMPONENT OF THE DISCHARGE IS EXPLICITLY LISTED IN THE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN AND IS IN COMPLIANCE WITH PART IV.D.7.: DISCHARGES FROM FIRE FIGHTING ACTIVITIES; FIRE HYDRANT FLUSHING; POTABLE WATER SOURCES INCLUDING WATER LINE FLUSHING; IRRIGATION DRAINAGE; AIR CONDITIONING CONDENSATE DRAINAGE; AND FOUNDATION OR FOOTING DRAINS WHERE FLOWS ARE NOT CONTAMINATED WITH PROCESS MATERIALS OR POLLUTANTS.
B. RELEASES IN EXCESS OF REPORTABLE QUANTITIES.
1. THE DISCHARGE OF HAZARDOUS SUBSTANCES OR OIL IN THE STORM WATER DISCHARGE(S) FROM A SITE SHALL BE PREVENTED. THIS PERMIT DOES NOT RELIEVE THE PERMITTEE OF THE REPORTING REQUIREMENTS OF GEORGIA'S OIL OR HAZARDOUS MATERIAL SPILLS OR RELEASES ACT (O.C.G.A. §§12-14-2, ET SEQ.), 40 CFR PART 117 AND 40 CFR PART 302 WHERE A RELEASE CONTAINING A HAZARDOUS SUBSTANCE IN AN AMOUNT EQUAL TO OR IN EXCESS OF A REPORTING QUANTITY ESTABLISHED UNDER EITHER GEORGIA'S OIL OR HAZARDOUS MATERIAL SPILLS OR RELEASES ACT (O.C.G.A. §§12-14-2, ET SEQ.), 40 CFR 117 OR 40 CFR 302 OCCURS DURING A 24 HOUR PERIOD. THE PERMITTEE IS REQUIRED TO NOTIFY EPD AT (404) 656-4863 OR (800) 241-4113 AND THE NATIONAL RESPONSE CENTER (NRC) AT (800) 424-8802 IN ACCORDANCE WITH THE REQUIREMENTS OF GEORGIA'S OIL OR HAZARDOUS MATERIAL SPILLS OR RELEASES ACT (O.C.G.A. §§12-14-2, ET SEQ.), 40 CFR 117 AND 40 CFR 302 AS SOON AS HE/SHE HAS KNOWLEDGE OF THE DISCHARGE.
2. THIS PERMIT DOES NOT AUTHORIZE THE DISCHARGE OF HAZARDOUS SUBSTANCES OR OIL RESULTING FROM AN ON-SITE SPILL.

MANAGEMENT PRACTICES AND PERMIT VIOLATIONS

- 1. BEST MANAGEMENT PRACTICES, AS SET FORTH IN THIS PERMIT, ARE REQUIRED FOR ALL CONSTRUCTION ACTIVITIES AND SHALL BE MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD. THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" (MANUAL) PUBLISHED BY THE STATE SOIL AND WATER CONSERVATION COMMISSION AS OF JANUARY 1 OF THE YEAR IN WHICH THE LAND-DISTURBING ACTIVITY WAS PERMITTED TO PREVENT OR REDUCE THE POLLUTION OF WATERS OF GEORGIA, PROPER DESIGN, INSTALLATION, AND MAINTENANCE OF BEST MANAGEMENT PRACTICES (BMPs) IS REQUIRED TO PREVENT OR REDUCE THE POLLUTION OF WATERS OF GEORGIA. THE PERMITTEE SHALL CORRECT THE BMP FAILURES AND SHALL SUBMIT A SUMMARY OF THE VIOLATIONS TO EPD IN ACCORDANCE WITH PART V.A.2. OF THIS PERMIT.
2. A DISCHARGE OF STORM WATER RUNOFF FROM DISTURBED AREAS WHERE BEST MANAGEMENT PRACTICES HAVE NOT BEEN PROPERLY DESIGNED, INSTALLED, AND MAINTAINED SHALL CONSTITUTE A SEPARATE VIOLATION FOR EACH DAY ON WHICH SUCH DISCHARGE RESULTS IN THE TURBIDITY OF RECEIVING WATER(S) BEING INCREASED BY MORE THAN TEN (10) NEPHELOMETRIC TURBIDITY UNITS FOR WATERS CLASSIFIED AS TROUT STREAMS OR MORE THAN TWENTY-FIVE (25) NEPHELOMETRIC TURBIDITY UNITS FOR WATERS SUPPORTING WARM WATER FISHERIES, REGARDLESS OF A PERMITTEE'S BEST MANAGEMENT PRACTICES. THIS PARAGRAPH SHALL NOT APPLY TO ANY LAND DISTURBANCE ASSOCIATED WITH THE CONSTRUCTION OF SINGLE-FAMILY HOMES WHICH ARE NOT PART OF A SUBDIVISION OR PLANNED COMMON DEVELOPMENT UNLESS FIVE (5) ACRES OR MORE WILL BE DISTURBED.
4. WHEN THE PERMITTEE HAS ELECTED TO MONITOR OUTFALL(S), THE DISCHARGE OF STORM WATER RUNOFF FROM DISTURBED AREAS MUST BE MONITORED AND MAINTAINED AS DESCRIBED IN THIS PERMIT. THE PERMITTEE SHALL CORRECT THE BMP FAILURES AND SHALL SUBMIT A SUMMARY OF THE VIOLATIONS TO EPD IN ACCORDANCE WITH PART V.A.2. OF THIS PERMIT.
3. A DISCHARGE OF STORM WATER RUNOFF FROM DISTURBED AREAS WHERE BEST MANAGEMENT PRACTICES HAVE NOT BEEN PROPERLY DESIGNED, INSTALLED, AND MAINTAINED SHALL CONSTITUTE A SEPARATE VIOLATION FOR EACH DAY ON WHICH SUCH DISCHARGE RESULTS IN THE TURBIDITY OF THE DISCHARGE EXCEEDING THE VALUE SELECTED FROM APPENDIX B APPLICABLE TO THE CONSTRUCTION SITE. AS SET FORTH THEREIN, THE NEPHELOMETRIC TURBIDITY UNIT (NTU) VALUE SHALL BE SELECTED FROM THE FOLLOWING TABLE:
A. TROUT STREAMS: THE PERMITTEE SHALL CORRECT THE BMP FAILURES AND SHALL SUBMIT A SUMMARY OF THE VIOLATIONS TO EPD IN ACCORDANCE WITH PART V.A.2. OF THIS PERMIT.
B. TROUT STREAMS: THE PERMITTEE SHALL CORRECT THE BMP FAILURES AND SHALL SUBMIT A SUMMARY OF THE VIOLATIONS TO EPD IN ACCORDANCE WITH PART V.A.2. OF THIS PERMIT.
C. TROUT STREAMS: THE PERMITTEE SHALL CORRECT THE BMP FAILURES AND SHALL SUBMIT A SUMMARY OF THE VIOLATIONS TO EPD IN ACCORDANCE WITH PART V.A.2. OF THIS PERMIT.
D. TROUT STREAMS: THE PERMITTEE SHALL CORRECT THE BMP FAILURES AND SHALL SUBMIT A SUMMARY OF THE VIOLATIONS TO EPD IN ACCORDANCE WITH PART V.A.2. OF THIS PERMIT.

STANDARD PERMIT CONDITIONS

- A. DUTY TO COMPLY.
1. EACH PERMITTEE MUST COMPLY WITH ALL APPLICABLE CONDITIONS OF THIS PERMIT. ANY PERMIT NONCOMPLIANCE CONSTITUTES A VIOLATION OF THE GEORGIA WATER QUALITY CONTROL ACT (O.C.G.A. §§12-5-20, ET SEQ.) AND IS GROUNDS FOR ENFORCEMENT ACTION; FOR PERMIT TERMINATION; OR FOR DENIAL OF A PERMIT RENEWAL APPLICATION. FAILURE OF A PRIMARY PERMITTEE TO COMPLY WITH ANY APPLICABLE TERM OR CONDITION OF THIS PERMIT SHALL NOT RELIEVE ANY OTHER PRIMARY PERMITTEE FROM COMPLIANCE WITH THEIR APPLICABLE TERMS AND CONDITIONS OF THIS PERMIT.
2. EACH PERMITTEE MUST DOCUMENT IN THEIR RECORDS ANY AND ALL KNOWN VIOLATIONS OF THIS PERMIT AT HIS/HER SITE WITHIN SEVEN (7) DAYS OF HIS/HER KNOWLEDGE OF THE VIOLATION. A SUMMARY OF THESE VIOLATIONS MUST BE SUBMITTED TO EPD BY THE PERMITTEE AT THE ADDRESSES SHOWN IN PART II.C. WITHIN FOURTEEN (14) DAYS OF THE VIOLATION.
3. PENALTIES FOR VIOLATIONS OF PERMIT CONDITIONS. THE FEDERAL CLEAN WATER ACT AND THE GEORGIA WATER QUALITY CONTROL ACT (O.C.G.A. §§12-5-20, ET SEQ.) PROVIDE THAT ANY PERSON WHO FALSIFIES, TAMPERS WITH, OR KNOWINGLY RENDERS INACCURATE ANY MONITORING DEVICE OR METHOD REQUIRED TO BE MAINTAINED OR OPERATED IN ACCORDANCE WITH THIS PERMIT, OR WHO KNOWINGLY SUBMITS ANY RECORD OR OTHER DOCUMENT SUBMITTED OR REQUIRED TO BE MAINTAINED UNDER THIS PERMIT, INCLUDING MONITORING REPORTS OR REPORTS OF COMPLIANCE OR NONCOMPLIANCE SHALL, UPON CONVICTION BE PUNISHED BY A FINE, IMPRISONMENT, OR BOTH. THE FEDERAL CLEAN WATER ACT AND THE GEORGIA WATER QUALITY CONTROL ACT ALSO PROVIDE PROCEDURES FOR IMPOSING CIVIL PENALTIES WHICH MAY BE LEVIED FOR VIOLATIONS OF THE ACTS, ANY PERMIT CONDITION OR LIMITATION ESTABLISHED PURSUANT TO THE ACTS, OR NEGLIGENTLY OR INTENTIONALLY FAILING OR REFUSING TO COMPLY WITH ANY FINAL OR EMERGENCY ORDER OF THE DIRECTOR UNDER THIS PERMIT.
B. CONTINUATION OF THE EXPIRED GENERAL PERMIT. THIS PERMIT EXPIRES ON THE DATE SHOWN ON THE COVER PAGE OF THIS PERMIT. AN EXPIRED GENERAL PERMIT CONTINUES IN FORCE AND EFFECT UNTIL A NEW GENERAL PERMIT IS ISSUED. FINAL AND EFFECTIVE. CONSTRUCTION SITES THAT HAVE NOT OBTAINED COVERAGE UNDER THE PERMIT BY THE PERMIT EXPIRATION DATE CANNOT BE AUTHORIZED TO DISCHARGE UNDER THE CONTINUED PERMIT.
C. NEED TO HALT OR REDUCE ACTIVITY NOT A DEFENSE. IT SHALL NOT BE A DEFENSE FOR THE PERMITTEE IN AN ENFORCEMENT ACTION THAT IT WOULD HAVE HAD TO HALT OR REDUCE THE PERMITTED ACTIVITY IN ORDER TO MAINTAIN COMPLIANCE WITH THE CONDITIONS OF THIS PERMIT.
D. DUTY TO MITIGATE. THE PERMITTEE SHALL TAKE ALL REASONABLE STEPS TO MINIMIZE OR PREVENT ANY DISCHARGE IN VIOLATION OF THIS PERMIT WHICH HAS A REASONABLE LIKELIHOOD OF ADVERSELY AFFECTING HUMAN HEALTH OR THE ENVIRONMENT.
E. DUTY TO PROVIDE INFORMATION. THE PERMITTEE SHALL FURNISH TO THE DIRECTOR; A STATE OR LOCAL AGENCY APPROVING SOIL EROSION AND SEDIMENTATION CONTROL PLANS, GRADING PLANS, OR STORM WATER MANAGEMENT PLANS; OR IN THE CASE OF A STORM WATER DISCHARGE ASSOCIATED WITH CONSTRUCTION ACTIVITY WHICH DISCHARGES THROUGH A MUNICIPAL SEPARATE STORM SEWER SYSTEM WITH AN NPDES PERMIT, TO THE LOCAL GOVERNMENT OPERATING THE MUNICIPAL SEPARATE STORM SEWER SYSTEM, ANY INFORMATION WHICH IS REQUESTED TO DETERMINE COMPLIANCE WITH THIS PERMIT. IN THE CASE OF INFORMATION SUBMITTED TO THE EPD SUCH INFORMATION SHALL BE CONSIDERED PUBLIC INFORMATION AND AVAILABLE UNDER THE GEORGIA OPEN RECORDS ACT.
F. OTHER INFORMATION. WHEN THE PERMITTEE BECOMES AWARE THAT HE FAILED TO SUBMIT ANY RELEVANT FACTS OR SUBMITTED INCORRECT INFORMATION IN THE NOTICE OF INTENT OR IN ANY OTHER REPORT REQUIRED TO BE SUBMITTED TO THE EPD, THE PERMITTEE SHALL PROMPTLY SUBMIT SUCH FACTS OR INFORMATION.

- A. FOR A CORPORATION: BY A RESPONSIBLE CORPORATE OFFICER. FOR THE PURPOSE OF THIS PERMIT, A RESPONSIBLE CORPORATE OFFICER MEANS: (1) A PRESIDENT, SECRETARY, TREASURER, OR VICE-PRESIDENT OF THE CORPORATION IN CHARGE OF A PRINCIPAL BUSINESS FUNCTION, OR ANY OTHER PERSON WHO PERFORMS SIMILAR POLICY- OR DECISION MAKING FUNCTIONS FOR THE CORPORATION; OR (2) THE MANAGER OF ONE OR MORE MANUFACTURING, PRODUCTION OR OPERATING FACILITIES PROVIDED THE MANAGER IS AUTHORIZED TO MAKE MANAGEMENT DECISIONS WHICH DIRECT THE OPERATION OF THE REGULATED FACILITY INCLUDING HAVING THE EXPLOIT OR IMPLICIT DUTY OF MAKING MAJOR CAPITAL INVESTMENT RECOMMENDATIONS, AND INITIATING AND DIRECTING OTHER COMPREHENSIVE MEASURES TO ASSURE LONG TERM ENVIRONMENTAL COMPLIANCE WITH ENVIRONMENTAL LAWS AND REGULATIONS; THE MANAGER CAN ENSURE THE NECESSARY SYSTEMS ARE ESTABLISHED OR ACTIONS TAKEN TO GATHER COMPLETE AND ACCURATE INFORMATION FOR PERMIT APPLICATION REQUIREMENTS; AND WHERE AUTHORITY TO SIGN DOCUMENTS HAS BEEN ASSIGNED OR DELEGATED TO THE MANAGER IN ACCORDANCE WITH CORPORATE BYLAWS OR CHARTERS.
B. FOR A PARTNERSHIP OR SOLE PROPRIETORSHIP: BY A GENERAL PARTNER OR THE PROPRIETOR, RESPECTIVELY. OR
C. FOR A MUNICIPALITY, STATE, FEDERAL, OR OTHER PUBLIC FACILITY: BY EITHER A PRINCIPAL EXECUTIVE OFFICER OR AN AUTHORIZED REPRESENTATIVE OF THAT PERSON.

- A. THE AUTHORIZATION IS MADE IN WRITING BY A PERSON DESCRIBED ABOVE AND SUBMITTED TO THE EPD;
B. THE AUTHORIZATION SPECIFIES EITHER AN INDIVIDUAL OR A POSITION HAVING RESPONSIBILITY FOR THE OPERATION OF THE REGULATED FACILITY OR ACTIVITY UNDER THIS PERMIT;
C. THE AUTHORIZED REPRESENTATIVE OF THE PERMITTEE SHALL SIGN THE NOTICE OF INTENT, THE NOTICE OF INTENT SUBMITTAL, OR POSITION OF EQUIVALENT RESPONSIBILITY OR AN INDIVIDUAL OR POSITION HAVING OVERALL RESPONSIBILITY FOR ENVIRONMENTAL MATTERS FOR THE COMPANY. (A DULY AUTHORIZED REPRESENTATIVE MAY BE EITHER A NAMED INDIVIDUAL OR ANY INDIVIDUAL OCCUPYING A NAMED POSITION);
D. CERTIFICATION. DOCUMENTS SHALL BE SIGNED BY THE PARTY THAT CONTRACTS FOR THE DOCUMENT AND THAT PARTY SHALL MAKE THE FOLLOWING CERTIFICATION: "I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS AND ATTACHED WORK PRODUCTS WERE PREPARED AND SUBMITTED IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT CERTIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED, BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE INFORMATION SUBMITTED, THAT THE INFORMATION IS TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS."

STANDARD PERMIT CONDITIONS (CONT'D)

- H. OIL AND HAZARDOUS SUBSTANCE LIABILITY. NOTHING IN THIS PERMIT SHALL BE CONSTRUED TO PRECLUDE THE INSTITUTION OF ANY LEGAL ACTION OR RELIEVE THE PERMITTEE FROM ANY RESPONSIBILITIES, LIABILITIES, OR PENALTIES TO WHICH THE PERMITTEE IS OR MAY BE SUBJECT UNDER THE GEORGIA HAZARDOUS WASTE MANAGEMENT ACT, O.C.G.A. §§ 12-8-80, ET SEQ. OR UNDER CHAPTER 14 OF TITLE 12 OF THE OFFICIAL CODE OF GEORGIA ANNOTATED; NOR IS THE OPERATOR RELIEVED FROM ANY RESPONSIBILITIES, LIABILITIES OR PENALTIES TO WHICH THE PERMITTEE IS OR MAY BE SUBJECT UNDER SECTION 311 OF THE CLEAN WATER ACT OR SECTION 106 OF COMPREHENSIVE ENVIRONMENTAL RESPONSE, COMPENSATION AND LIABILITY ACT.
I. PROPERTY RIGHTS. THE ISSUANCE OF THIS PERMIT DOES NOT CONVEY ANY PROPERTY RIGHTS OF ANY SORT, NOR ANY EXCLUSIVE PRIVILEGES, NOR DOES IT AUTHORIZE ANY INJURY TO PRIVATE PROPERTY NOR ANY INVASION OF PERSONAL RIGHTS, NOR ANY INFRINGEMENT OF FEDERAL, STATE OR LOCAL LAWS OR REGULATIONS.
J. SEVERABILITY. IF ANY PROVISION OF THIS PERMIT ARE SEVERABLE AND IF ANY PROVISION OF THIS PERMIT, OR THE APPLICATION OF ANY PROVISION OF THIS PERMIT TO ANY CIRCUMSTANCE, IS HELD INVALID, THE APPLICATION OF SUCH PROVISION TO OTHER CIRCUMSTANCES, AND THE REMAINDER OF THIS PERMIT SHALL NOT BE AFFECTED THEREBY.
K. OTHER APPLICABLE ENVIRONMENTAL REGULATIONS AND LAWS. NOTHING IN THIS PERMIT SHALL BE CONSTRUED TO PRECLUDE THE INSTITUTION OF ANY LEGAL ACTION OR RELIEVE THE PERMITTEE FROM ANY RESPONSIBILITIES, LIABILITIES, OR PENALTIES ESTABLISHED PURSUANT TO ANY APPLICABLE STATE LAW OR REGULATION UNDER AUTHORITY PRESERVED BY SECTION 310 OF THE CLEAN WATER ACT. NOTHING IN THIS PERMIT, UNLESS EXPLICITLY STATED, EXEMPTS THE PERMITTEE FROM COMPLIANCE WITH OTHER APPLICABLE LOCAL, STATE AND FEDERAL ORDINANCES, RULES, REGULATIONS, AND LAWS. FURTHERMORE, IT IS NOT A DEFENSE TO COMPLIANCE WITH THIS PERMIT THAT A LOCAL GOVERNMENT AUTHORITY HAS APPROVED THE PERMITTEE'S EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN OR FAILED TO TAKE ENFORCEMENT ACTION AGAINST THE PERMITTEE FOR VIOLATIONS OF THE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN, OR OTHER PROVISIONS OF THIS PERMIT. NO CONDITION OF THIS PERMIT SHALL RELEASE THE PERMITTEE FROM ANY RESPONSIBILITY OR REQUIREMENTS UNDER OTHER ENVIRONMENTAL STATUTES OR REGULATIONS.
L. PROPER OPERATION AND MAINTENANCE. THE PERMITTEE SHALL AT ALL TIMES PROPERLY OPERATE AND MAINTAIN ALL FACILITIES AND SYSTEMS OF TREATMENT AND CONTROL (AND RELATED APPURTENANCES) WHICH ARE INSTALLED OR USED BY THE PERMITTEE TO ACHIEVE COMPLIANCE WITH THE CONDITIONS OF THIS PERMIT AND WITH THE REQUIRED LAWS, PROPER OPERATION AND MAINTENANCE ALSO INCLUDES ADEQUATE LABORATORY CONTROLS AND APPROPRIATE QUALITY ASSURANCE PROCEDURES. PROPER OPERATION AND MAINTENANCE REQUIRES THE OPERATION OF BACKUP OR AUXILIARY FACILITIES OR SIMILAR SYSTEMS, INSTALLED BY AN AUTHORIZED REPRESENTATIVE OF THE MUNICIPAL OPERATOR OF THE SEPARATE STORM SEWER SYSTEM RECEIVING THE DISCHARGE, UPON THE PRESENTATION OF CREDENTIALS AND OTHER DOCUMENTS AS MAY BE REQUIRED BY LAW.
M. INSPECTION AND ENTRY. THE PERMITTEE SHALL ALLOW THE DIRECTOR OR AN AUTHORIZED REPRESENTATIVE OF EPA, EPD OR TO DESIGNATED OFFICIALS OF THE LOCAL GOVERNMENT REVIEWING SOIL EROSION AND SEDIMENTATION CONTROL PLANS, GRADING PLANS, OR STORM WATER MANAGEMENT PLANS, OR, IN THE CASE OF A CONSTRUCTION SITE WHERE DISCHARGES THROUGH A MUNICIPAL SEPARATE STORM SEWER SYSTEM, AN AUTHORIZED REPRESENTATIVE OF THE MUNICIPAL OPERATOR OF THE SEPARATE STORM SEWER SYSTEM RECEIVING THE DISCHARGE, UPON THE PRESENTATION OF CREDENTIALS AND OTHER DOCUMENTS AS MAY BE REQUIRED BY LAW.
1. ENTER UPON THE PERMITTEE'S PREMISES WHERE A REGULATED FACILITY OR ACTIVITY IS LOCATED OR CONDUCTED OR WHERE RECORDS MUST BE KEPT UNDER THE CONDITIONS OF THIS PERMIT; AND
2. HAVE ACCESS TO AND COPY AT REASONABLE TIMES, ANY RECORDS THAT MUST BE KEPT UNDER THE CONDITIONS OF THIS PERMIT; AND
3. INSPECT AT REASONABLE TIMES ANY FACILITIES OR EQUIPMENT (INCLUDING MONITORING AND CONTROL EQUIPMENT)
N. PERMIT ACTIONS. THIS PERMIT MAY BE REVOKED AND REISSUED, OR TERMINATED FOR CAUSE INCLUDING BUT NOT LIMITED TO CHANGES IN THE LAW OR REGULATIONS, THE FILING OF A REQUEST BY THE PERMITTEE FOR TERMINATION OF THE PERMIT, OR A NOTIFICATION OF PLANNED CHANGES OR ANTICIPATED NONCOMPLIANCE, DOES NOT STAY ANY PERMIT CONDITION.

TERMINATION OF COVERAGE

- A. NOTICE OF TERMINATION ELIGIBILITY. NOTICE OF TERMINATION, SIGNED IN ACCORDANCE WITH PART V.G. OF THIS PERMIT, MUST BE SUBMITTED:
1. FOR CONSTRUCTION ACTIVITIES, BY THE PERMITTEE WHERE THE ENTIRE STAND ALONE DEVELOPMENT HAS UNDERGONE FINAL STABILIZATION AND ALL STORM WATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITY THAT ARE AUTHORIZED BY THIS PERMIT HAVE CEASED. FOR CONSTRUCTION ACTIVITIES WHERE THE PRIMARY PERMITTEE HAS ELECTED TO SUBMIT NOIS FOR SEPARATE PHASES OF THE STAND ALONE DEVELOPMENT, THE PHASES OR PHASES OF THE STAND ALONE DEVELOPMENT ON THE NOT SHALL CORRESPOND TO THE PHASE OR PHASES ON THE NOI AND SHALL HAVE UNDERGONE FINAL STABILIZATION AND ALL STORM WATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITY THAT ARE AUTHORIZED BY THIS PERMIT SHALL HAVE CEASED.
2. BY THE OWNER OR OPERATOR WHEN THE OWNER OR OPERATOR OF THE SITE CHANGES. WHERE STORM WATER DISCHARGES FROM CONSTRUCTION SITES THAT ARE AUTHORIZED BY THIS PERMIT MUST COMPLY WITH PART III. C. OF THE PERMIT, INCLUDING THE COMPLETED APPENDIX A LISTING ALL THE BMPs THAT WILL BE USED FOR THOSE AREAS OF THE SITE WHICH DISCHARGE TO THE IMPAIRED STREAM SEGMENT.
B. NOTICE OF TERMINATION CONTENTS:
1. THE PERMITTEE'S LEGAL NAME, ADDRESS, TELEPHONE NUMBER;
2. THE SITE /PROJECT NAME, GPS LOCATION OF A CONSTRUCTION EXIT IN THE FORM DEGREES/MINUTES/SECONDS AS DETERMINED BY GPS UNIT, SITE LOCATION, CITY (IF APPLICABLE), AND COUNTY OF THE SITE FOR WHICH THE NOTIFICATION IS SUBMITTED. THIS INFORMATION MUST CORRESPOND TO THE SIMILAR INFORMATION AS PROVIDED ON THE NOI, WHERE A MAILING ADDRESS FOR THE SITE IS NOT AVAILABLE, THE LOCATION CAN BE DESCRIBED IN NARRATIVE TERMS AND COUNTY WHERE THE CONSTRUCTION SITE IS LOCATED;
3. THE NPDES PERMIT NUMBER FOR THE STORM WATER DISCHARGE ASSOCIATED WITH CONSTRUCTION ACTIVITY IDENTIFIED BY THE NOTICE OF TERMINATION;
4. THE NAME OF THE RECEIVING WATER(S), AND WHEN THE DISCHARGE IS THROUGH A MUNICIPAL SEPARATE STORM SEWER SYSTEM (MS4), THE NAME OF THE LOCAL GOVERNMENT OPERATING THE MUNICIPAL SEPARATE STORM SEWER SYSTEM AND THE NAME OF THE RECEIVING WATER(S) WHICH RECEIVES THE DISCHARGE FROM THE MS4;
5. ANY OTHER INFORMATION SPECIFIED ON THE NOI IN EFFECT AT THE TIME OF SUBMITTAL; AND
6. THE FOLLOWING CERTIFICATION SIGNED IN ACCORDANCE WITH PART V.G. (SIGNATORY REQUIREMENTS): "I CERTIFY UNDER PENALTY OF LAW THAT EITHER: (A) ALL STORM WATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITY FROM THE PORTION OF THE CONSTRUCTION ACTIVITY WHERE I WAS AN OWNER OR OPERATOR HAVE CEASED OR HAVE BEEN ELIMINATED; (B) ALL STORM WATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITY FROM THE IDENTIFIED SITE THAT ARE AUTHORIZED BY GENERAL NPDES PERMIT NO. CAR 10000 HAVE CEASED; (C) I AM NO LONGER AN OWNER OR OPERATOR AT THE CONSTRUCTION SITE AND A NEW OWNER OR OPERATOR HAS ASSUMED OPERATIONAL CONTROL FOR THOSE PORTIONS OF THE CONSTRUCTION SITE WHERE I PREVIOUSLY HAD OWNERSHIP OR OPERATIONAL CONTROL; AND THAT DISCHARGING POLLUTANTS IN STORM WATER ASSOCIATED WITH CONSTRUCTION ACTIVITY TO WATERS OF GEORGIA IS UNLAWFUL UNDER THE GEORGIA WATER QUALITY CONTROL ACT AND THE CLEAN WATER ACT WHERE THE DISCHARGE IS NOT AUTHORIZED BY A NPDES PERMIT."
C. NOTICE OF TERMINATION SUBMITTAL. ALL NOTICES OF TERMINATION BY THIS PERMIT SHALL BE SUBMITTED BY RETURN RECEIPT CERTIFIED MAIL (OR SIMILAR SERVICE) TO THE APPROPRIATE EPD DISTRICT OFFICE ACCORDING TO THE SCHEDULE IN APPENDIX A OF THIS PERMIT AND TO THE LOCAL ISSUING AUTHORITY IN JURISDICTIONS AUTHORIZED TO ISSUE A LAND DISTURBANCE ACTIVITY PERMIT FOR THE PERMITTEE'S CONSTRUCTION SITE PURSUANT TO O.C.G.A. 12-7-1, ET SEQ.

Table with columns: Project Name (HAMES ROAD), City/County (WOODSTOCK/CHEROKEE COUNTY), Date on Plans (04-15-2019), TO BE SHOWN ON ES&PC PLAN, and a list of 57 items to be shown on the plan, including map scale, ground slope, contour intervals, and various BMP requirements.

811 logo, 'Know what's Below. Call before you dig.' text, ATWELL logo with contact information (866.850.4200), and vertical text 'CHEROKEE COUNTY, GA'.

3/3/2016 11:55:14 AM 01/07/18 ECL_GSWCC-2016-Ed111on_Rev03-01-2016.dgn P. I. No. 52-001

CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
	ORANGE BARRIER FENCE		ORANGE BARRIER FENCE DELINEATES ENVIRONMENTALLY SENSITIVE AREAS WHERE THE CONTRACTOR SHALL NOT CLEAR, GRUB, OR PLACE CONSTRUCTION MATERIALS OR EQUIPMENT WITHIN THIS AREA.
	LINE CODE		ORANGE BARRIER FENCE
ESA	ENVIRONMENTALLY SENSITIVE AREA		AN ENVIRONMENTALLY SENSITIVE AREA (ESA) CONTAINS RESOURCES THAT ARE ENVIRONMENTALLY, CULTURALLY, OR HISTORICALLY SENSITIVE. ESAs INCLUDE, BUT ARE NOT LIMITED TO: STATE WATER BUFFERS, HISTORIC SITES, ARCHAEOLOGICAL SITES, AND PROTECTED ANIMAL AND PLANT SPECIES HABITATS. IF WORK IS AUTHORIZED IN THIS AREA, THE WORK MUST BE PERFORMED IN ACCORDANCE WITH SECTION 107 AND ANY OTHER APPLICABLE SPECIAL PROVISIONS AND APPLICABLE PLAN NOTES.
	LINE CODE		ESA-25' (OR 50') STREAM BUFFER, ETC.
Bf	BUFFER ZONE		A STRIP OF UNDISTURBED ORIGINAL VEGETATION, ENHANCED OR RESTORED EXISTING VEGETATION, OR THE RE-ESTABLISHMENT OF VEGETATION SURROUNDING AN AREA OF DISTURBANCE OR BORDERING STREAMS, PONDS, WETLANDS, LAKES, AND COASTAL WATERS. WHEN NECESSARY, BUFFER ZONES ARE TO BE PROTECTED BY ORANGE BARRIER FENCE.
	SYMBOL		
Ds1	MULCH SECTION 163		THIS IS AN APPLICATION OF STRAW MULCH USED TO REDUCE SOIL EROSION AND STABILIZE THE SOIL. IT IS USED TO CONTROL EROSION IN AREAS WHERE PERMANENT VEGETATION IS OUT OF SEASON OR TO TEMPORARILY STABILIZE AREAS PRIOR TO FINAL GRADING. MULCHING REQUIREMENTS ARE ADDRESSED BY STANDARD SPECIFICATIONS AND/OR THE PROJECT ENGINEER. THE BMP SYMBOL FOR APPLICABLE AREAS AND/OR A NOTE SHALL BE INCLUDED ON APPLICABLE SHEETS IN SECTION 54.
	SYMBOL		
Ds2	TEMPORARY GRASSING SECTION 163.700		THE SOWING OF A QUICK GROWING SPECIES OF GRASS SUITABLE TO THE AREA AND SEASON. IT IS TYPICALLY USED TO CONTROL EROSION IN AREAS LONGER THAN MULCHING IS EXPECTED TO LAST. TEMPORARY GRASSING SHOULD BE USED ON ALL PROJECTS ACCORDING TO THE STANDARD SPECIFICATIONS. THE BMP SYMBOL FOR APPLICABLE AREAS AND/OR A NOTE SHALL BE INCLUDED ON APPLICABLE SHEETS IN SECTION 54.
	SYMBOL		

CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
Ds3	PERMANENT GRASSING SECTION 700		THE SOWING OF PERMANENT VEGETATION, SUCH AS GRASS, SUITABLE TO THE AREA AND SEASON. PERMANENT VEGETATION SHALL BE USED ON ALL PROJECTS ACCORDING TO THE STANDARD SPECIFICATION. THE BMP SYMBOL FOR APPLICABLE AREAS AND/OR A NOTE SHALL BE INCLUDED ON APPLICABLE SHEETS IN SECTION 54.
	SYMBOL		
Ds4	SODDING CONSTRUCTION DETAIL D-54 SECTION 700.890		THE INSTALLATION OF A SPECIES OF GRASS SODDING SUITABLE TO THE AREA AND SEASON TO PROVIDE IMMEDIATE PERMANENT VEGETATION. SODDING MAY BE SHOWN FOR HIGHLY SENSITIVE AREAS, TO IMPROVE AESTHETICS, OR FOR SPECIAL PLANTING REQUIREMENTS ON THE BASIS OF ENVIRONMENTAL COMMITMENTS OR LANDSCAPING REQUIREMENTS. THE BMP PATTERN FOR APPLICABLE AREAS AND/OR A NOTE SHALL BE INCLUDED ON APPLICABLE SHEETS IN SECTION 54.
	PATTERN		
Fi-Co	FLOCCULANTS COAGULANTS SECTION 163.700.895		FLOCCULANTS AND COAGULANTS ARE USED TO SETTLE SUSPENDED SEDIMENT, HEAVY METALS, AND HYDROCARBONS (TSS) IN SLOW MOVING RUNOFF FROM CONSTRUCTION SITES FOR WATER CLARIFICATION. ANIONIC POLYACRYLAMIDES (PAM) MAY BE USED IN CONJUNCTION WITH BMPs WITHIN CHANNELS UPSTREAM OF A POST-CONSTRUCTION POND, TEMPORARY SEDIMENT BASIN, OR TEMPORARY SEDIMENT TRAP. FLOCCULANTS SHALL NOT BE USED DOWNSTREAM OF AFOREMENTIONED BMPs! FLOCCULANTS/COAGULANTS ARE TO BE SHOWN ON PLANS WITH APPLICABLE BMP IF NEEDED. PAYMENT FOR PAM AS A FLOCCULANT WILL BE INCLUDED IN THE PRICE FOR THE INSTALLATION AND/OR MAINTENANCE OF THE BMP IF IT IS USED IN CONJUNCTION WITH. NO SEPARATE PAYMENT WILL BE MADE.
	SYMBOL		
	POLYACRYLAMIDE		
Sb	STREAMBANK STABILIZATION SECTION 702		STREAMBANK STABILIZATION IS THE USE OF READILY AVAILABLE NATIVE PLANT MATERIALS TO MAINTAIN AND ENHANCE STREAMBANKS, OR TO PREVENT, OR RESTORE AND REPAIR SMALL STREAMBANK EROSION PROBLEMS. STREAMBANK STABILIZATION AREAS SHOULD BE SHOWN ON THE PLANS WHEN APPLICABLE TO THE PROJECT. REFER TO THE PROJECT'S STREAM AND STREAM BUFFER MITIGATION PLANS FOR PLANT SPECIES, LOCATIONS, AND OTHER PLANTING DETAILS.
	PATTERN		

NOTE:
 1. DO NOT USE EROSION CONTROL ITEMS IN A FLOWING STREAM OR IN A TIDAL AREA BELOW HIGH TIDE.
 2. FOR ADDITIONAL INFORMATION ON THE DESIGN AND APPLICATION OF EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES (BMPs), REFER TO THE LATEST EDITION OF THE GEORGIA SOIL AND WATER CONSERVATION COMMISSION'S, 'MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA'.

GDOT

NO SCALE

REVISION DATES	

EROSION CONTROL LEGEND			
UNIFORM CODE SHEET			
SHEET 1 OF 7			
CHECKED:	D. EGGLETON	DATE:	01/01/18
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	

52-001

PROPERTY AND EXISTING R/W LINE ————
 REQUIRED R/W LINE ————
 CONSTRUCTION LIMITS ————
 EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
 EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
 END LIMIT OF ACCESS.....ELA
 LIMIT OF ACCESS ————
 REQ'D R/W & LIMIT OF ACCESS ————
 ROOT ZONES OF HISTORIC TREES

ATWELL
 866.850.4200 www.atwell-group.com
 1800 PARKWAY PLACE, SUITE 700
 MARIETTA, GA
 770.423.0807

REVISION DATES	

CHEROKEE COUNTY
 DEPARTMENT OF TRANSPORTATION
 EROSION CONTROL LEGEND

HAMES ROAD

DRAWING No.
 52-01

3/3/2016 11:35:14 AM 09/07/18 ECL-CMCC-2016-Ed111on_Rev03-01-2016.dgn P.I. No. **GDOT**

CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
Ss	SLOPE STABILIZATION CONSTRUCTION DETAIL D-35 SECTION 716		SLOPE STABILIZATION (EROSION CONTROL MATTING) IS A PROTECTIVE COVERING USED TO PREVENT EROSION AND ESTABLISH TEMPORARY OR PERMANENT VEGETATION ON STEEP SLOPES, SHORE LINES, OR CHANNELS. SLOPE STABILIZATION MAY BE A ROLLED EROSION CONTROL PRODUCT (RECP) OR A HYDRAULIC EROSION CONTROL PRODUCT (HECP). SLOPE STABILIZATION SHALL BE USED ON ALL CUT OR FILL SLOPES OF 2.5:1 OR STEEPER AND WITHIN 50 FEET OF ALL CROSS DRAINS AND CULVERTS. NOTE: ONLY COCONUT FIBER BLANKET OR WOOD FIBER BLANKET SHALL BE USED AS SLOPE STABILIZATION WITHIN BUFFERED AREAS.
Tac	TACKIFIERS SECTION 163, 700, 895		TACKIFIERS HYDRATE IN WATER AND READILY BLEND WITH OTHER SLURRY MATERIALS AND ARE USED TO TIE-DOWN FOR SOIL, COMPOST, SEED, STRAW, HAY OR MULCH. TACKIFIERS REQUIREMENTS, SUCH AS ANIONIC POLYACRYLAMIDES (PAM) ARE ADDRESSED BY STANDARD SPECIFICATIONS AND ARE NOT TYPICALLY SHOWN ON THE PLANS. PAM IS TYPICALLY USED BY THE CONTRACTOR FOR TEMPORARY OR PERMANENT GRASSING. REFER TO THE LATEST EDITION OF THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" FOR CRITERIA.
Cd-F	FABRIC CHECK DAM CONSTRUCTION DETAIL D-24D SECTION 171		A CHECK DAM COMPOSED OF SYNTHETIC FIBER FABRIC, WIRE REINFORCED, POST, OVERFLOW WEIR, AND TURF REINFORCEMENT MATTING (TRM) SPLASHPAD PLACED IN DITCHES IN A SPECIAL CONFIGURATION WHICH CONTROLS ENERGY DISSIPATION AND FILTRATION OF STORM WATER. SEE CONSTRUCTION DETAIL D-24D FOR ADDITIONAL INFORMATION AND SPACING REQUIREMENTS. THIS ITEM IS SUITABLE FOR USE IN ROADSIDE DITCHES THAT ARE PART OF INFRASTRUCTURE CONSTRUCTION PROJECTS AND WITHIN THE CLEAR ZONE. IF THIS ITEM IS USED IN AN AREA WITH FLOWS GREATER THAN 2.0-CFS OR WITHOUT A SEDIMENT BASIN, A MINIMUM OF ONE ROCK FILTER DAM SHALL BE USED AT THE DOWNSTREAM DISCHARGE POINT.
Cd-Fs	COMPOST FILTER SOCK CHECK DAM CONSTRUCTION DETAIL D-52 SECTION 163		A COMPOST FILTER SOCK CHECK DAM IS COMPOSED OF A PHOTODEGRADABLE OR BIODEGRADABLE KNITTED MESH MATERIAL CONTAINING A WEED FREE FILLER MATERIAL DERIVED FROM A WELL-DECOMPOSED SOURCE OF ORGANIC MATTER. THEY SHALL BE PROPERLY STAKED FOR DITCH APPLICATIONS. REFER TO THE LATEST EDITION OF THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" FOR MATERIAL SPECIFICATIONS. IF THIS ITEM IS USED IN AN AREA WITH FLOWS GREATER THAN 2.0-CFS OR WITHOUT A SEDIMENT BASIN, A MINIMUM OF ONE ROCK FILTER DAM SHALL BE USED AT THE DOWNSTREAM DISCHARGE POINT.
Cd-Hb	BALED STRAW CHECK DAM CONSTRUCTION DETAIL D-52 SECTION 163		A BALE STRAW CHECK DAM IS COMPOSED OF BALES PREFERABLY BOUND WITH WIRE OR NYLON INSTEAD OF TWINE. BALES SHOULD BE PLACED IN ROWS WITH BALE ENDS TIGHTLY ABUTTING ADJACENT BALES. THE DOWNSTREAM ROW OF BALES SHALL BE PLACED IN A TRENCH TO ALLOW THE TOP OF THE BALES LONG, WIDE SIDE TO BE LEVEL WITH THE GROUND AS A NON-ERODIBLE SPLASHPAD. PROPER STAKING IS ALSO REQUIRED FOR DITCH APPLICATIONS. IF THIS ITEM IS USED IN AN AREA WITH FLOWS GREATER THAN 2.0-CFS OR WITHOUT A SEDIMENT BASIN, A MINIMUM OF ONE ROCK FILTER DAM SHALL BE USED AT THE DOWNSTREAM DISCHARGE POINT.

CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
Cd-S	STONE CHECK DAM OR SANDBAG CHECK DAM GA. STD 1031 SECTION 163, 603		STONE CHECK DAMS ARE CONSTRUCTED OF TYPE-3 RIP-RAP WITH GEOTEXTILE UNDERLINER. STONE CHECK DAMS ARE PREFERRED IN ROADWAY DITCHES OUTSIDE THE CLEAR ZONE. CONSIDERATION SHOULD BE GIVEN TO USING OTHER APPROPRIATE CHECK DAMS AND/OR BMPs WITHIN THE CLEAR ZONE. SANDBAG CHECK DAMS ARE RECOMMENDED IN CONCRETE LINED CHANNELS FOR TEMPORARY VELOCITY CONTROL ONLY. ENSURE DISCHARGE POINT IS PROPERLY STABILIZED AND INCLUDE APPROPRIATE BMPs FOR SEDIMENT STORAGE UPSTREAM AND/OR DOWNSTREAM OF CONCRETE LINED CHANNELS. IF THIS ITEM IS USED IN AN AREA WITH FLOWS GREATER THAN 2.0-CFS OR WITHOUT A SEDIMENT BASIN, A MINIMUM OF ONE ROCK FILTER DAM SHALL BE USED AT THE DOWNSTREAM DISCHARGE POINT.
Ch-1	VEGETATED CHANNEL STABILIZATION SECTION 700		A NEW OR EXISTING CHANNEL MAY BE LINED WITH PERMANENT VEGETATION ONLY FOR VELOCITIES UP TO 5.0 fps. THIS MEASURE SHALL BE DESIGNED IN ACCORDANCE WITH THE GDOT CHANNEL LINING DESIGN PROGRAM. ADDITIONAL EROSION CONTROL MEASURES MAY BE REQUIRED. TYPICALLY NOT SHOWN IN PLANS.
Ch-2R1	CHANNEL STABILIZATION RIP-RAP, TYPE 1 CONSTRUCTION DETAIL D-49 SECTION 603		THIS ITEM CONSISTS OF LINING A CHANNEL WITH TYPE 1 RIP-RAP 24" THICK (UNLESS SPECIFIED OTHERWISE) PLACED ON TOP OF A GEOTEXTILE UNDERLINER. THE RIP-RAP SHALL PROTECT THE CHANNEL FLOWING TO A DEPTH "Dp" RECOMMENDED BY THE GDOT CHANNEL LINING PROGRAM. ADDITIONAL EROSION CONTROL MEASURES MAY BE REQUIRED. "Dp" SHALL BE IDENTIFIED IN A TABLE LOCATED ON THE SUMMARY OF QUANTITIES SHEETS AND IN THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN.
Ch-2R3	CHANNEL STABILIZATION RIP-RAP, TYPE 3 CONSTRUCTION DETAIL D-49 SECTION 603		THIS ITEM CONSISTS OF LINING A CHANNEL WITH TYPE 3 RIP-RAP 24" THICK (UNLESS SPECIFIED OTHERWISE) PLACED ON TOP OF A GEOTEXTILE UNDERLINER. THE RIP-RAP SHALL PROTECT THE CHANNEL FLOWING TO A DEPTH "Dp" RECOMMENDED BY THE GDOT CHANNEL LINING PROGRAM. ADDITIONAL EROSION CONTROL MEASURES MAY BE REQUIRED. "Dp" SHALL BE IDENTIFIED IN A TABLE LOCATED ON THE SUMMARY OF QUANTITIES SHEETS AND IN THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN.

NOTE:
 1. DO NOT USE EROSION CONTROL ITEMS IN A FLOWING STREAM OR IN A TIDAL AREA BELOW HIGH TIDE.
 2. FOR ADDITIONAL INFORMATION ON THE DESIGN AND APPLICATION OF EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES (BMPs), REFER TO THE LATEST EDITION OF THE GEORGIA SOIL AND WATER CONSERVATION COMMISSION'S, "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA".

GDOT

NO SCALE

REVISION DATES	

EROSION CONTROL LEGEND			
UNIFORM CODE SHEET			
SHEET 2 OF 7			
CHECKED:	D. EARLETON	DATE:	01/01/16
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	

52-002

PROPERTY AND EXISTING R/W LINE	BEGIN LIMIT OF ACCESS.....BLA
REQUIRED R/W LINE	END LIMIT OF ACCESS.....ELA
CONSTRUCTION LIMITS	LIMIT OF ACCESS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES	REQ'D R/W & LIMIT OF ACCESS
EASEMENT FOR CONSTR OF DRIVES	ROOT ZONES OF HISTORIC TREES

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REVISION DATES	

CHEROKEE COUNTY
 DEPARTMENT OF TRANSPORTATION
 EROSION CONTROL LEGEND

HAMES ROAD

DRAWING No.
52-02

CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION	CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
Dc-B	STREAM DIVERSION CHANNEL GEOTEXTILE ONLY SECTION 163		A TEMPORARY CHANNEL CONSTRUCTED TO CONVEY FLOW AROUND A CONSTRUCTION SITE WHILE A PERMANENT DRAINAGE STRUCTURE IS BEING CONSTRUCTED IN A NATURAL STREAM. THIS IS A MEASURE USED TO PROTECT STREAM BEDS FROM EROSION. LINE THE CHANNEL WITH GEOTEXTILE ONLY. INSTALL TWO ROWS OF Sd1-S PARALLEL TO THE CHANNEL TO PREVENT SEDIMENT LADEN RUNOFF FROM ENTERING THE STREAM. THE SIZE OF THE CHANNEL WILL DEPEND ON THE DISCHARGE, CHANNEL GEOMETRY, CHANNEL SLOPE AND ROUGHNESS. IT IS ACCEPTABLE FOR VELOCITIES BETWEEN 2.5 - 9.0 fps.	Dn2-A	PERMANENT DOWNDRAIN STRUCTURE CONCRETE CONSTRUCTION DETAIL D-9 SECTION 441		A CONCRETE FLUME TYPE 'A' IS USED TO DIRECT SURFACE RUNOFF DOWN A ROADWAY SLOPE INTO ANOTHER FORM OF CONTROL. IT IS USED IN ALL DEPRESSED AREAS WHERE WATER WILL FLOW DOWN THE SLOPE. IT IS DESIGNED FOR A 25-YEAR STORM AND MUST HAVE SOME FORM OF OUTLET PROTECTION. ADDITIONAL LABELING IS NOT REQUIRED IF SHOWN AS A PERMANENT DRAINAGE STRUCTURE ON THE CONSTRUCTION PLANS. INLETS SHALL BE SPACED ACCORDING TO GDOT GUIDELINES (REGARDING GUTTER SPREAD AND OTHER CRITERIA).
	LINE CODE		THE DRAINAGE AREA SHALL BE NOT GREATER THAN 1 SQUARE MILE. CONSTRUCTION OF THE DIVERSION CHANNEL IS INCLUDED IN THE COST OF THE STRUCTURE.		LINE CODE		
Dc-C	STREAM DIVERSION CHANNEL RIP-RAP & GEOTEXTILE SECTION 163		A TEMPORARY CHANNEL CONSTRUCTED TO CONVEY FLOW AROUND A CONSTRUCTION SITE WHILE A PERMANENT DRAINAGE STRUCTURE IS BEING CONSTRUCTED IN A NATURAL STREAM. THIS IS A MEASURE USED TO PROTECT STREAM BEDS FROM EROSION. LINE THE CHANNEL WITH RIP-RAP AND GEOTEXTILE. INSTALL TWO ROWS OF Sd1-S PARALLEL TO THE CHANNEL TO PREVENT SEDIMENT LADEN RUNOFF FROM ENTERING THE STREAM. THE SIZE OF THE CHANNEL WILL DEPEND ON THE DISCHARGE, CHANNEL GEOMETRY, CHANNEL SLOPE AND ROUGHNESS. IT IS ACCEPTABLE FOR VELOCITIES BETWEEN 9.0 - 13.0 fps.	Dn2-B	PERMANENT DOWNDRAIN STRUCTURE CONCRETE CONSTRUCTION DETAIL D-9 SECTION 441		A CONCRETE FLUME TYPE 'B' IS USED TO DIRECT SURFACE DITCH RUNOFF DOWN A BACK SLOPE INTO ANOTHER FORM OF CONTROL. IT IS USED IN DEPRESSED AREAS WHERE CONCENTRATED OFFSITE WATER REACHES THE CUT SLOPE. IT IS DESIGNED TO SAFELY CONVEY WATER DOWN THE CUT SLOPE. IT IS DESIGNED FOR A 25-YEAR STORM AND MUST HAVE SOME FORM OF OUTLET PROTECTION. ADDITIONAL LABELING IS NOT REQUIRED IF SHOWN AS A PERMANENT DRAINAGE STRUCTURE ON THE CONSTRUCTION PLANS. INLETS SHALL BE SPACED ACCORDING TO GDOT GUIDELINES (REGARDING GUTTER SPREAD AND OR OTHER CRITERIA).
	LINE CODE		THE DRAINAGE AREA SHALL BE NOT GREATER THAN 1 SQUARE MILE. CONSTRUCTION OF THE DIVERSION CHANNEL IS INCLUDED IN THE COST OF THE STRUCTURE.		LINE CODE		
D1-1	DIVERSION BERM CONSTRUCTION DETAIL D-47 SECTION 205		A NON-DESIGNED TEMPORARY EARTHEN BERM WITH A COMPACTED SUPPORTING RIDGE ON THE LOWER SIDE TO BE USED AT THE EDGE OF EMBANKMENT DURING THE GRADING OPERATION. THE BERMS ARE ALSO CONSTRUCTED ABOVE, ACROSS OR BELOW A SLOPE TO REDUCE THE LENGTH OF A SLOPE. THEY ARE USED TO INTERCEPT RUNOFF, PREVENTING SLOPE EROSION AND TO DIRECT THE RUNOFF TO A STABLE OUTLET, DOWN DRAINS "Dn1" OR CATCHMENT AREAS AND ON ALL GRADING PROJECTS.	Dn2-1	PERMANENT DOWNDRAIN STRUCTURE GA. STD 9013 TPI, 9017J TPI, DETAIL D-26 TP1 SECTION 576,577		CONCRETE DRAIN INLET WITH METAL PIPE IS USED TO DRAIN CURBS, ON A GRADE, DOWN TO A LOWER ELEVATION. THIS IS A PERMANENT STRUCTURE, REQUIRING OUTLET PROTECTION, TEMPORARY AND PERMANENT. INLETS SHALL BE SPACED ACCORDING TO GDOT GUIDELINES (REGARDING GUTTER SPREAD AND OR OTHER CRITERIA).
	LINE CODE				LINE CODE		
D1-2	DIVERSION CHANNEL SECTION 205		A DESIGNED TEMPORARY OR PERMANENT CHANNEL WITH A COMPACTED SUPPORTING RIDGE ON THE LOWER SIDE TO DIVERT OFFSITE RUNOFF AWAY FROM DISTURBED AREAS WITHIN THE PROJECT AREA. CHANNEL FOR OFFSITE RUNOFF SHALL BE STABILIZED WITH APPROPRIATE CHANNEL STABILIZATION. REFER TO THE LATEST EDITION OF THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" FOR DESIGN CRITERIA. A DIVERSION CHANNEL DETAIL MUST ALSO BE PROVIDED IN THE ESPCP.	Dn2-2	PERMANENT DOWNDRAIN STRUCTURE GA. STD 9013 TP2, 9017J TP2, DETAIL D-26 TP2 SECTION 576,577		CONCRETE DRAIN INLET AND METAL PIPE IS USED TO DRAIN CURB, IN A SAG, DOWN TO A LOWER ELEVATION. THIS IS A PERMANENT STRUCTURE, REQUIRING OUTLET PROTECTION, TEMPORARY AND PERMANENT. INLETS SHALL BE SPACED ACCORDING TO GDOT GUIDELINES (REGARDING GUTTER SPREAD AND OR OTHER CRITERIA).
	LINE CODE		RUNOFF FROM DISTURBED AREAS WITHIN THE PROJECT AREA SHALL NOT BE ALLOWED TO CONVERGE WITH OFFSITE RUNOFF WITHIN THIS DIVERSION.		LINE CODE		
Dn1	TEMPORARY DOWNDRAIN STRUCTURE FLEXIBLE CONSTRUCTION DETAIL D-19 SECTION 163		A TEMPORARY PIPE SLOPE DRAIN IS A PLASTIC FLEXIBLE PIPE TO CARRY WATER FROM THE WORK AREA TO A LOWER ELEVATION. TEMPORARY SLOPE DRAINS SHOULD BE PLACED AT INTERVALS OF 350 FEET ON 0% - 2% GRADES, 200 FEET ON STEEPER GRADES AND MORE FREQUENTLY AS DICTATED BY FIELD CONDITIONS. THE TYPICAL PIPE SIZE IS A CORRUGATED 10". THE PIPE WILL BE ANCHORED WITH STAKES AT INTERVALS NOT TO EXCEED 10".				
	LINE CODE		THE OUTLET AREA SHALL BE STABILIZED FOR VELOCITY DISSIPATION AND EROSION CONTROL.				

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 2. FOR ADDITIONAL INFORMATION ON THE DESIGN AND APPLICATION OF EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES (BMPs), REFER TO THE LATEST EDITION OF THE GEORGIA SOIL AND WATER CONSERVATION COMMISSION'S, "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA".

GDOT

NO SCALE

REVISION DATES	

EROSION CONTROL LEGEND			
UNIFORM CODE SHEET			
SHEET 4 OF 7			
CHECKED:	D. EASLETON	DATE:	01/01/16
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	

52-004

PROPERTY AND EXISTING R/W LINE		BEGIN LIMIT OF ACCESS.....BLA	
REQUIRED R/W LINE		END LIMIT OF ACCESS.....ELA	
CONSTRUCTION LIMITS		LIMIT OF ACCESS	
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES		REQ'D R/W & LIMIT OF ACCESS	
EASEMENT FOR CONSTR OF DRIVES		ROOT ZONES OF HISTORIC TREES	

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REVISION DATES	

CHEROKEE COUNTY
DEPARTMENT OF TRANSPORTATION

EROSION CONTROL LEGEND

DRAWING No.
52-04

HAMES ROAD

CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION	CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
Fr	FILTER RING CONSTRUCTION DETAIL D-46 SECTION 163		A TEMPORARY STONE BARRIER CONSTRUCTED AT DRAINAGE STRUCTURE INLETS AND POST-CONSTRUCTION POND OUTLETS. IT REDUCES RUNOFF VELOCITY AND HELPS PREVENT SEDIMENT FROM LEAVING SITE PRIOR TO PERMANENT STABILIZATION OF THE DISTURBED AREA. REFER TO THE LATEST EDITION OF THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" FOR ADDITIONAL INFORMATION ON USAGE.	R1-B	RETROFITTING SLOTTED BOARD DAM CONSTRUCTION DETAIL D-45 SECTION 163		A SLOTTED BOARD DAM CONSISTS OF STONE AND/OR FILTER FABRIC AND BOARDS WITH 0.5' - 1.0' SPACING TO SERVE AS A TEMPORARY SEDIMENT FILTER. PERMANENT STORMWATER DETENTION POND OUTLET: -DRAINAGE AREA UP TO 100 ACRES -DETENTION BASINS LARGE ENOUGH TO STORE 67 CUBIC YARDS OF SEDIMENT PER ACRE OF DISTURBED AREA ROADWAY DRAINAGE STRUCTURE: -OPEN END PIPES, WINGED HEADWALLS, OR CONCRETE WEIR OUTLETS WITH DRAINAGE AREA LESS THAN 30 ACRES REFER TO THE LATEST EDITION OF THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" FOR DESIGN CRITERIA.
Rd	ROCK FILTER DAM CONSTRUCTION DETAIL D-43 SECTION 163, 603		ROCK FILTER DAMS ARE CONSTRUCTED OF TYPE 3 STONE RIP-RAP FACED WITH #57 STONE ON THE UPSTREAM SIDE. THEY ARE PLACED ACROSS DRAINAGEWAYS WHICH DRAIN 50 ACRES OR LESS. GEOTEXTILE UNDERLINER SHALL BE USED WHEN PLACING ROCK FILTER DAMS. THE DAM SHOULD NOT BE HIGHER THAN THE CHANNEL BANKS. ROCK FILTER DAMS SHOULD BE USED IN DITCHES PRIOR TO DISCHARGING INTO STREAMS, WETLANDS, OPEN-WATERS, OR OTHER ESAs.	R1-Sg1 R1-Sg2 R1-Sg3	RETROFITTING SILT CONTROL GATES CONSTRUCTION DETAIL D-20 SECTION 163		A SILT CONTROL GATE CONSISTS OF BOARDS WITHOUT SPACING AND FILTER FABRIC TO BE USED FOR TEMPORARY SEDIMENT STORAGE ON ROADWAY PROJECTS AT THE INLET OF STRUCTURES WITH A DRAINAGE AREA UP TO 50 ACRES. THE DISTURBED AREA WITHIN THE DRAINAGE AREA SHALL NOT EXCEED 5 ACRES. SILT CONTROL GATES SHOULD NOT BE USED ALONE, BUT WITH ANOTHER BMP DOWNSTREAM PRIOR TO DISCHARGE LEAVING PROJECT AREA. DO NOT USE SILT GATES IN STATE WATERS. R1-Sg1-TYPE 1: USED ON BOX CULVERTS R1-Sg2-TYPE 2: USED ON STRAIGHT HEADWALLS R1-Sg3-TYPE 3: USED ON FLARED END SECTIONS AND TAPERED HEADWALLS
Rd-B	STONE FILTER BERM CONSTRUCTION DETAIL D-50 SECTION 163, 603		STONE FILTER BERMS ARE CONSTRUCTED SIMILAR TO ROCK FILTER DAMS FOR A LINEAR APPLICATION. THEY ARE CONSTRUCTED OF TYPE-3 STONE RIP-RAP FACED WITH #57 STONE ON THE UPSTREAM SIDE. GEOTEXTILE UNDERLINER SHALL BE USED WHEN PLACING STONE FILTER BERMS. STONE FILTER BERMS ARE IDEAL ALONG THE PERIMETER FOR SHEET FLOW AND/OR SHALLOW CONCENTRATED FLOW TO A COMMON LOW AREA WHERE PERIMETER SILT FENCE ALONE MAY BE INSUFFICIENT. THERE IS NO WELL-DEFINED CHANNEL FOR A STANDARD ROCK FILTER DAM, AND/OR CONSTRUCTING A ROCK OUTLET TEMPORARY SEDIMENT TRAP IS NOT APPLICABLE.	Sd1-NS	SEDIMENT BARRIER (NON-SENSITIVE) SILT FENCE TYPE A CONSTRUCTION DETAIL D-24 SECTION 171		SEDIMENT BARRIERS MINIMIZE AND PREVENT SEDIMENT CARRIED BY SHEET FLOW FROM LEAVING THE PROJECT AREA BY CAUSING DEPOSITION AND/OR FILTRATION OF SEDIMENT. SILT FENCE USED AS PERIMETER CONTROL SHALL NOT BE INSTALLED ACROSS CONCENTRATED FLOW. TYPE-A SILT FENCE IS TYPICALLY USED IN NON-ENVIRONMENTALLY SENSITIVE AREAS (ESAs) OR IN AREAS WITH FILLS LESS THAN 10'. IT SHOULD BE PLACED A MINIMUM OF 10' FROM CONSTRUCTION LIMITS OR ALONG THE RIGHT-OF-WAY LINE.
Rp	RIP-RAP SECTION 603		RIP-RAP IS A FLEXIBLE PERMANENT BLANKET FOR PROTECTION OF FILL SLOPES AND BRIDGE END ROLLS. RIP-RAP TYPE-1 SHOULD BE PLACED ON TOP OF A GEOTEXTILE UNDERLINER AT A MINIMUM 24" THICKNESS OR AS INDICATED ON THE PLANS. RIP-RAP MAY ALSO BE USED AT DRAINAGE STRUCTURE OUTLETS WITHIN THE RIGHT-OF-WAY. HOWEVER, APPROPRIATE OUTLET PROTECTION SHOULD BE PROVIDED AT OUTFALLS. REFER TO STORM DRAIN OUTLET PROTECTION FOR ADDITIONAL INFORMATION ON USING RIP-RAP AT OUTFALLS.	Sd1-S	SEDIMENT BARRIER (SENSITIVE) SILT FENCE TYPE C CONSTRUCTION DETAIL D-24 SECTION 171		SEDIMENT BARRIERS MINIMIZE AND PREVENT SEDIMENT CARRIED BY SHEET FLOW FROM LEAVING THE PROJECT AREA BY CAUSING DEPOSITION AND/OR FILTRATION OF SEDIMENT. SILT FENCE USED AS PERIMETER CONTROL SHALL NOT BE INSTALLED ACROSS CONCENTRATED FLOW. TYPE-C SILT FENCE IS TYPICALLY USED IN ENVIRONMENTALLY SENSITIVE AREAS (ESAs) OR IN AREAS WITH FILLS 10' AND GREATER. ALL ENVIRONMENTALLY SENSITIVE AREAS (ESAs) SHALL BE PROTECTED WITH A DOUBLE-ROW OF TYPE-C SILT FENCE REGARDLESS OF FILL HEIGHT. A SINGLE-ROW MAY BE USED FOR OTHER APPLICATIONS. IT SHOULD BE PLACED A MINIMUM OF 10' FROM CONSTRUCTION LIMITS OR ALONG THE RIGHT-OF-WAY LINE.
R1-P	RETROFITTING PERFORATED HALF-ROUND PIPE CONSTRUCTION DETAIL D-44 SECTION 163		A PERFORATED HALF-ROUND PIPE WITH STONE FILTER PLACED IN FRONT OF A PERMANENT STORMWATER DETENTION POND OUTLET STRUCTURE TO SERVE AS A TEMPORARY SEDIMENT FILTER. SHOULD BE USED ONLY IN DETENTION PONDS WITH LESS THAN 30 ACRES TOTAL DRAINAGE AREA. SHALL ONLY BE USED IN DETENTION BASINS LARGE ENOUGH TO STORE 67 CUBIC YARDS OF SEDIMENT PER ACRE OF DISTURBED AREA. REFER TO THE LATEST EDITION OF THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" FOR DESIGN CRITERIA.				

NOTE:
 1. DO NOT USE EROSION CONTROL ITEMS IN A FLOWING STREAM OR IN A TIDAL AREA BELOW HIGH TIDE.
 2. FOR ADDITIONAL INFORMATION ON THE DESIGN AND APPLICATION OF EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES (BMPs), REFER TO THE LATEST EDITION OF THE GEORGIA SOIL AND WATER CONSERVATION COMMISSION'S, "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA".

NO SCALE

REVISION DATES		EROSION CONTROL LEGEND	
		UNIFORM CODE SHEET	
		SHEET 5 OF 7	
CHECKED:	D. EASLETON	DATE:	01/01/16
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	
		DRAWING No. 52-005	

PROPERTY AND EXISTING R/W LINE		BEGIN LIMIT OF ACCESS.....BLA	
REQUIRED R/W LINE		END LIMIT OF ACCESS.....ELA	
CONSTRUCTION LIMITS		LIMIT OF ACCESS	
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES		REQ'D R/W & LIMIT OF ACCESS	
EASEMENT FOR CONSTR OF DRIVES		ROOT ZONES OF HISTORIC TREES	

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CHEROKEE COUNTY
 DEPARTMENT OF TRANSPORTATION
 EROSION CONTROL LEGEND
 HAMES ROAD
 DRAWING No. 52-05

CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION	CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
Sd1-BB	SEDIMENT BARRIER BRUSH BARRIER CONSTRUCTION DETAIL D-24B SECTION 201		THIS ITEM CONSISTS OF INTERMINGLED BRUSH, LOGS, ETC. SO AS NOT TO FORM A SOLID DAM. CONSTRUCTED AT THE TOE OF FILL SLOPES ONLY DURING THE CLEARING AND GRUBBING OPERATION. THE BARRIER SHOULD BE USED AT THE TOE OF FILL SLOPES ON GRADING PROJECTS IN RURAL AREAS WHERE SUFFICIENT RIGHT OF WAY OR EASEMENT IS AVAILABLE (10 FEET OR MORE). THE BARRIER SHOULD RUN ROUGHLY PERPENDICULAR TO THE FLOW OF WATER WHERE THIS DOES NOT CONFLICT WITH RIGHT-OF-WAY OR EASEMENT LIMITS. THEY WILL NOT BE PLACED IN WETLANDS. TYPICALLY NOT SHOWN ON PLANS. PAYMENT FOR THIS ITEM IS INCLUDED IN THE CLEARING AND GRUBBING COST. NO SEPARATE PAYMENT SHALL BE MADE.	Sd3	TEMPORARY SEDIMENT BASIN CONSTRUCTION DETAIL D-22A, D-22B SECTION 163		A BASIN CREATED BY EXCAVATING AN AREA, DAMMING CONCENTRATED FLOW, OR A COMBINATION OF BOTH. THE BASIN IS DESIGNED TO STORE 67 CUBIC YARDS OF SEDIMENT PER ACRE OF DRAINAGE AREA. THE DRAINAGE AREA SHOULD NOT EXCEED 150 ACRES. BASINS TYPICALLY CONSISTS OF A DAM, PRINCIPAL SPILLWAY, AND AN EMERGENCY SPILLWAY. A FLOATING SURFACE SKIMMER SHALL BE REQUIRED AS PART OF THE PRINCIPAL SPILLWAY UNLESS INFEASIBLE. SUFFICIENT RIGHT-OF-WAY OR EASEMENT IS NEEDED FOR BASIN CONSTRUCTION AND MAINTENANCE ACCESS. SEDIMENT BASINS SHALL BE CONSIDERED ON ALL PROJECTS, BUT MAY NOT BE PRACTICAL. BASINS SHOULD BE LOCATED TO MINIMIZE INTERFERENCE WITH CONSTRUCTION ACTIVITIES AND UTILITIES. REFER TO THE LATEST EDITION OF THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" FOR DESIGN CRITERIA.
	LINE CODE *** (Sd1-BB) ***					SYMBOL (Sd3)	
Sd2-B	INLET SEDIMENT TRAP (BAFFLE BOX) CONSTRUCTION DETAIL D-42 SECTION 163		BAFFLE BOX INLET SEDIMENT TRAP USED FOR INLETS RECEIVING HIGH FLOW RATE AND/OR VELOCITY. A GUIDE FOR USE WILL BE FOR AN INLET RECEIVING FLOW RATES 7 cfs AND GREATER.	Sd4-C	ROCK OUTLET TEMPORARY SEDIMENT TRAP CONSTRUCTION DETAIL D-53 SECTION 163		TEMPORARY POND WITH ROCK OUTLET DESIGNED TO STORE 67 CUBIC YARDS OF SEDIMENT PER DRAINAGE AREA. DRAINAGE AREA SHALL NOT EXCEED 5 ACRES. DISTINGUISHED FROM TEMPORARY SEDIMENT BASIN BY LACK OF PRINCIPAL SPILLWAY. MAXIMUM POND DEPTH FROM BOTTOM OF POND TO EMERGENCY SPILLWAY IS 4 FEET. A TEMPORARY SEDIMENT BASIN SHALL BE EVALUATED PRIOR TO CONSIDERING A TEMPORARY SEDIMENT TRAP. A TEMPORARY SEDIMENT TRAP IS IDEAL FOR SMALL AREAS WITH NO UNUSUAL DRAINAGE FEATURES AND EFFECTIVE AGAINST COARSE SEDIMENT, BUT NOT AGAINST SILT OR CLAY PARTICLES THAT REMAIN SUSPENDED. REFER TO THE LATEST EDITION OF THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" FOR DESIGN CRITERIA.
		SYMBOL (Sd2-B)				SYMBOL (Sd4-C)	
Sd2-Bg	INLET SEDIMENT TRAP (BLOCK & GRAVEL) CONSTRUCTION DETAIL D-42 SECTION 163		BLOCK AND GRAVEL DROP INLET PROTECTION USED FOR WHERE HEAVY FLOWS ARE EXPECTED AND WHERE OVERFLOW CAPACITY IS NECESSARY TO PREVENT EXCESSIVE PONDING AROUND THE STRUCTURE. CAN BE USED AT CULVERT INLETS. A GUIDE FOR USE WILL BE FOR AN INLET RECEIVING FLOW RATES THAT RANGE FROM 5 - 7 cfs.	Sk	FLOATING SURFACE SKIMMER CONSTRUCTION DETAIL D-22A, D-22B SECTION 163		A BUOYANT DEVICE THAT DRAINS WATER FROM THE SURFACE OF A TEMPORARY SEDIMENT BASIN AT A CONTROLLED FLOW RATE. THE INLET/ORIFICE SIZE IS DESIGNED TO DRAIN THE BASIN WITHIN 24 - 48 HOURS. THE SKIMMER INFORMATION SHALL BE PROVIDED IN CONJUNCTION WITH THE SEDIMENT BASIN INFORMATION IN PLANS. IF A SKIMMER IS INFEASIBLE, THE DESIGNER SHALL PROVIDE A WRITTEN JUSTIFICATION IN THE PLANS. SKIMMERS ARE ATTACHED TO A RISER WITHOUT PERFORATIONS AND ACTS AS THE PRIMARY SPILLWAY. THE SKIMMER BMP SYMBOL SHALL BE SHOWN IN CONJUNCTION WITH THE TEMPORARY SEDIMENT BASIN BMP SYMBOL WHEN APPLICABLE. REFER TO THE LATEST EDITION OF THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" FOR ADDITIONAL INFORMATION.
		SYMBOL (Sd2-Bg)				SYMBOL (Sk)	
Sd2-F	INLET SEDIMENT TRAP (FILTER FABRIC) CONSTRUCTION DETAIL D-42 SECTION 163		(a) A SEDIMENT BARRIER CONSISTING OF A PREFABRICATED FRAME WITH FILTER FABRIC USED AROUND A DROP INLET OR CATCH BASIN. (b) A SEDIMENT BARRIER CONSISTING OF A PERFORATED METAL STAND PIPE WITH FILTER FABRIC USED AROUND A DROP INLET OR CATCH BASIN. (c) TYPE C SILT FENCE WITH SUPPORTING FRAME CAN BE USED AS AN ALTERNATE TO INLET SEDIMENT TRAP FOR AREAS WITH SLOPES < 5%. THIS ITEM IS USED TO PREVENT SILT FROM ENTERING THE PIPE SYSTEM. SHALL NOT APPLY TO INLETS RECEIVING CONCENTRATED FLOWS. RECOMMENDED FOR INLET RECEIVING FLOW RATES THAT RANGE FROM 0 - 4 cfs.	Sr	TEMPORARY STREAM CROSSING SECTION 107		A TEMPORARY STRUCTURE INSTALLED ACROSS A FLOWING STREAM OR WATERCOURSE FOR USE BY CONSTRUCTION EQUIPMENT. THIS BMP PROVIDES A MEANS TO CROSS STREAMS OR WATERCOURSES WITHOUT MOVING SEDIMENT INTO STREAMS, DAMAGING THE STREAM BED OR CHANNEL, OR CAUSING FLOODING. THIS BMP SHOULD NOT BE USED ON STREAMS WITH DRAINAGE AREAS GREATER THAN ONE SQUARE MILE, UNLESS SPECIFICALLY DESIGNED TO ACCOMMODATE THE ADDITIONAL DRAINAGE AREA BY THE DESIGN PROFESSIONAL. A CERTIFICATION STATEMENT AND SIGNATURE SHALL ACCOMPANY THE DESIGN. THIS BMP SHALL BE DESIGNED ACCORDING TO THE LATEST EDITION OF THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA". FOR CONTRACTOR'S USE ONLY!
		SYMBOL (Sd2-F)				SYMBOL (Sr)	
Sd2-G	INLET SEDIMENT TRAP (GRAVEL) CONSTRUCTION DETAIL D42 SECTION 163		GRAVEL DROP INLET PROTECTION USED WHERE HEAVY CONCENTRATED FLOWS ARE EXPECTED. STONE AND GRAVEL ARE USED TO TRAP SEDIMENT. THE SLOPE TOWARD THE INLET SHALL BE NO MORE THAN 3:1. A GUIDE FOR USE WILL BE FOR AN INLET RECEIVING FLOW RATES THAT RANGE FROM 3 - 5 cfs.				
		SYMBOL (Sd2-G)					

NOTE:
 1. DO NOT USE EROSION CONTROL ITEMS IN A FLOWING STREAM OR IN A TIDAL AREA BELOW HIGH TIDE.
 2. FOR ADDITIONAL INFORMATION ON THE DESIGN AND APPLICATION OF EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES (BMPs), REFER TO THE LATEST EDITION OF THE GEORGIA SOIL AND WATER CONSERVATION COMMISSION'S, "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA".

GDOT

NO SCALE

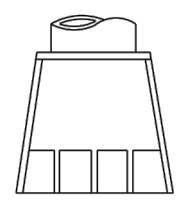
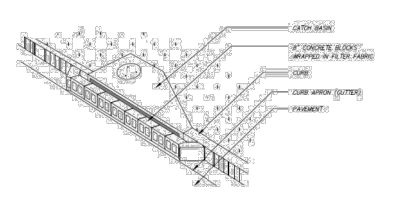

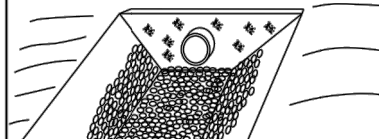
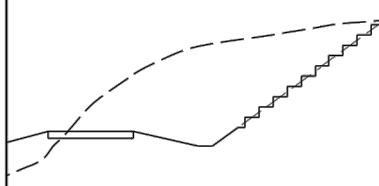
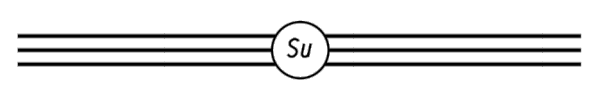
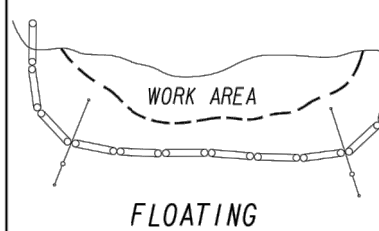

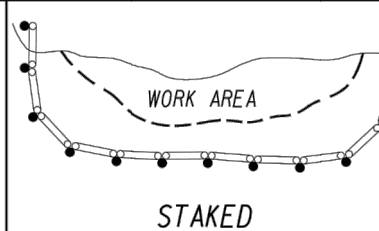

REVISION DATES	

EROSION CONTROL LEGEND			
UNIFORM CODE SHEET			
SHEET 6 OF 7			
CHECKED: D. EASLETON	DATE: 01/01/16	DRAWING No.	
BACKCHECKED:	DATE:		
CORRECTED:	DATE:		
VERIFIED:	DATE:		
52-006			

PROPERTY AND EXISTING R/W LINE		BEGIN LIMIT OF ACCESS.....BLA	
REQUIRED R/W LINE		END LIMIT OF ACCESS.....ELA	
CONSTRUCTION LIMITS		LIMIT OF ACCESS	
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES		REQ'D R/W & LIMIT OF ACCESS	
EASEMENT FOR CONSTR OF DRIVES		ROOT ZONES OF HISTORIC TREES	

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REVISION DATES <table border="1" style="width: 100%; height: 40px;"> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> </table>									CHEROKEE COUNTY DEPARTMENT OF TRANSPORTATION EROSION CONTROL LEGEND HAMES ROAD DRAWING No. 52-06

CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION	CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
(St)	STORM DRAIN OUTLET PROTECTION GA. STD. 1125 & 2332	 SYMBOL (St)	A PIPE OR BOX CULVERT OUTLET HEADWALL WITH AN APRON AND DISSIPATOR BLOCKS IS USED TO REDUCE VELOCITY AT THE OUTLET OF A PIPE PRIOR TO ENTERING AN EXISTING STREAM OR PUBLICLY MAINTAINED DRAINAGE SYSTEM. IT IS USED ON THE OUTLET OF ALL BOX CULVERTS AND ON 48" AND LARGER PIPES. MAY BE USED ON INLET FOR FLOWING STREAMS. USE ON SMALL PIPES WHEN OUTLET VELOCITY OF THE 25-YEAR STORM IS 12 FPS AND GREATER.	(Sd2-P)	CURB INLET FILTER "PIGS IN A BLANKET"	 LINE CODE 	NOTES: 1. INSTALL FILTER AFTER ANY ASPHALT PAVEMENT INSTALLATION. 2. WRAP 8" CONCRETE BLOCKS IN FILTER FABRIC AND SPAN ACROSS CATCH BASIN INLET. 3. FACE OPENINGS IN BLOCKS OUTWARDS. 4. LEAVE A GAP OF APPROXIMATELY 4" BETWEEN THE CURB AND THE FILTERS TO ALLOW FOR OVERFLOW TO PREVENT HAZARDOUS PONDING. 5. INSTALL OUTLET PROTECTION BELOW STORM DRAIN OUTLETS.
(SI-RP)	STORM DRAIN OUTLET PROTECTION (RIP-RAP) CONSTRUCTION DETAIL D-55 SECTION 603	 PATTERN FLAT AREA OR WELL-DEFINED CHANNEL	RIP-RAP OUTLET PROTECTION IS USED TO REDUCE VELOCITY AT THE OUTLET OF A PIPE, CHANNEL, OR STRUCTURE PRIOR TO ENTERING AN EXISTING STREAM OR PUBLICLY MAINTAINED DRAINAGE SYSTEM. THE MINIMUM DESIGN OF RIP-RAP OUTLET PROTECTION SHALL BE THE 25-YEAR STORM PEAK FLOW, BUT LARGER STORMS ARE RECOMMENDED. TYPE-1 RIP-RAP AT A DEPTH OF 36" AND PLACED ON FILTER FABRIC IS PREFERRED FOR ALL $d50 < 1.2$ FEET. TYPE-3 RIP-RAP AT A DEPTH OF 18" AND PLACED ON FILTER FABRIC MAY BE USED FOR $d50 < 0.7$ FEET. REFER TO THE LATEST EDITION OF THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" FOR REQUIRED DESIGN DIMENSIONS AND OTHER INFORMATION TO BE INCLUDED IN THE PLANS.				
(Su)	SURFACE ROUGHENING SERRATED SLOPES CONSTRUCTION DETAIL S-7 SECTION 205	 LINE CODE 	PROVIDING A ROUGH SOIL SURFACE WITH HORIZONTAL DEPRESSIONS, BY OPERATING A CLEATED DOZER ON THE SLOPE IN A VERTICAL DIRECTION, CREATING SERRATED SLOPES IN THE GRADING PROCESS TO CONSTRUCT BENCHES WILL REDUCE RUNOFF VELOCITY AND INCREASE INFILTRATION OF WATER. IN MOST CASES THIS BMP IS NOT REQUIRED TO BE SHOWN ON THE PLANS, BUT REQUIRED TO BE COMPLETED BY THE CONTRACTOR UNDER ALL PROJECTS. IF SERRATED SLOPES ARE SPECIFIED BY THE SOIL SURVEY, THEN THIS BMP SHALL BE SHOWN ON THE PLANS WHERE SERRATED SLOPES ARE TO BE USED.				
(Tc-F)	TURBIDITY CURTAIN FLOATING CONSTRUCTION DETAIL D-51 SECTION 170	 LINE CODE 	A FLOATING TURBIDITY CURTAIN IS USED TO PREVENT SEDIMENT FROM MOVING IN WATER BY ALLOWING IT TO DROP OUT OF SUSPENSION AND REMAIN WITHIN THE CONSTRUCTION AREA. IT IS TYPICALLY USED WHERE CONSTRUCTION IS REQUIRED IN A LARGE BODY OF WATER SUCH AS LAKES AND RIVERS. IT SHOULD BE USED AS DIRECTED BY THE ENGINEER. THIS BMP IS ONLY TO BE USED WHEN PERMITTED FILL IS BEING PLACED INTO A STATE WATER, OR AS A SUPPLEMENT TO ADEQUATELY PLACED PERIMETER BMPs. IT MAY ALSO BE REFERRED TO AS A FLOATING BOOM, SILT BARRIER, OR SILT CURTAIN.				
(Tc-S)	TURBIDITY CURTAIN STAKED CONSTRUCTION DETAIL D-51 SECTION 170	 LINE CODE 	A STAKED TURBIDITY CURTAIN IS USED TO PREVENT SEDIMENT FROM MOVING IN WATER BY ALLOWING IT TO DROP OUT OF SUSPENSION AND REMAIN WITHIN THE CONSTRUCTION AREA. IT IS TYPICALLY USED IN SHALLOW INUNDATED AREAS. IT MAY BE USED TO PROTECT A SMALL STREAM BEING REALIGNED OR RESTORED. IN THIS CASE, CURTAIN SHOULD EXTEND TO BOTTOM OF STREAMBED. THE HEIGHT SHOULD BE LIMITED TO 5 FEET UNLESS DIRECTED AND EXTEND 2 FEET ABOVE NORMAL WATER ELEVATION. IT SHOULD BE USED AS DIRECTED BY THE ENGINEER. THIS BMP IS ONLY TO BE USED WHEN PERMITTED FILL IS BEING PLACED INTO A STATE WATER, OR AS A SUPPLEMENT TO ADEQUATELY PLACED PERIMETER BMPs. IT MAY BE REFERRED TO AS A SILT BARRIER OR SILT CURTAIN.				

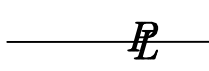
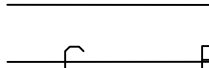
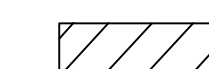
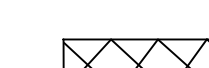
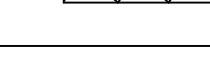
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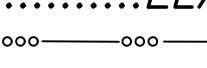
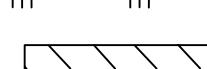
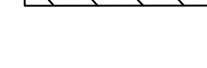
GDOT

NO SCALE

REVISION DATES		EROSION CONTROL LEGEND	
CHECKED:	D. EAGLETON	DATE:	01/01/16
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	

DRAWING No. 52-007

PROPERTY AND EXISTING R/W LINE 
 REQUIRED R/W LINE 
 CONSTRUCTION LIMITS 
 EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES 
 EASEMENT FOR CONSTR OF DRIVES 

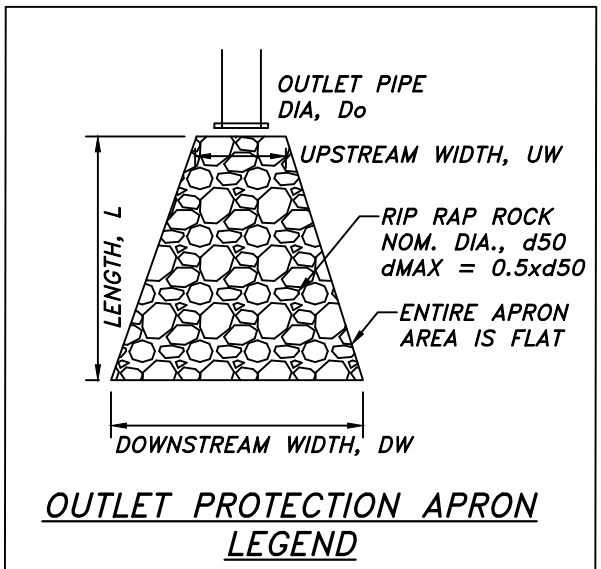
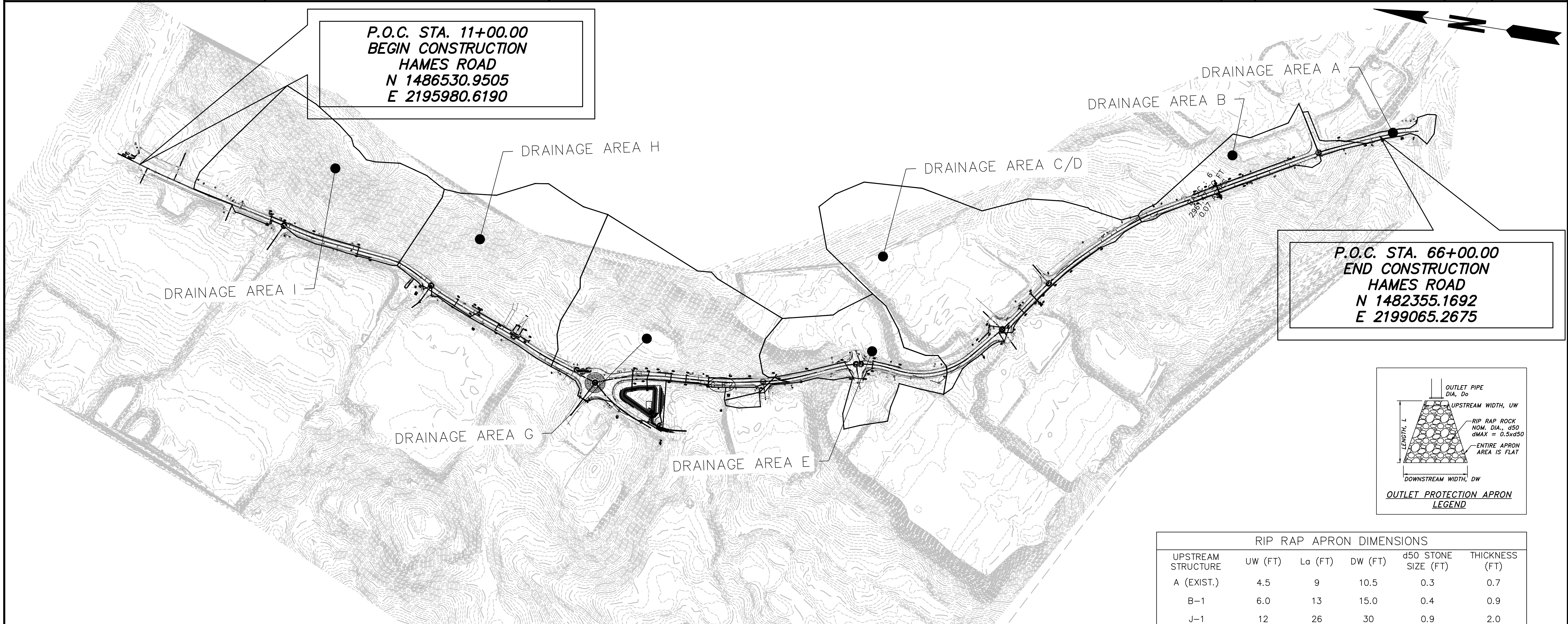
BEGIN LIMIT OF ACCESS.....BLA
 END LIMIT OF ACCESS.....ELA
 LIMIT OF ACCESS 
 REQ'D R/W & LIMIT OF ACCESS 
 ROOT ZONES OF HISTORIC TREES 

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CHEROKEE COUNTY
 DEPARTMENT OF TRANSPORTATION

EROSION CONTROL LEGEND

DRAWING No. 52-07
 HAMES ROAD



RIP RAP APRON DIMENSIONS					
UPSTREAM STRUCTURE	UW (FT)	La (FT)	DW (FT)	d50 STONE SIZE (FT)	THICKNESS (FT)
A (EXIST.)	4.5	9	10.5	0.3	0.7
B-1	6.0	13	15.0	0.4	0.9
J-1	12	26	30	0.9	2.0
E (EXIST.)	9	20	23	0.6	1.4
G-1	6	13	15	0.4	0.9
G-9	6	13	20	0.7	1.6
S-1 (CHANNEL LINING)	5	50	4	1.0	2.0

HAMES ROAD DRAINAGE AREA CHART

Total Project Area = 9.02 ac		Total Disturbed Area = 8.22 ac		Average Outfall Channel Slopes		Disturbed Area (ac)	Runoff Coeff., C		Post Volume Q		Pre Volume Q		Post Volume Q		Pre Headwater		Post Headwater		Pre Velocity		Post Velocity		Receiving Waters	
Drainage Area	Outfall Structure	Station	Offset	Skew Angle	Channel Slopes	(ac)	Cpre	Cpost	Q10, cfs	V10, fps	Q50, cfs	Q100, cfs	Q50, cfs	Q100, cfs	Q50, cfs	Q100, cfs	Q50, cfs	Q100, cfs	V50, fps	V100, fps	V50, fps	V100, fps		
A	EX. A	68+28.84	27.42R	N/A	0.0	0.56	0.30	0.95	3.26	4.77	3.26	4.77	4.75	5.43	N/A	N/A	N/A	N/A	5.36	5.59	5.36	5.59	5.59	Tributary of Rubes Creek
B	B-1	59+94.37	24.22R	N/A	0.12	2.54	0.73	0.65	9.91	7.31	13.37	15.02	13.75	15.88	N/A	N/A	N/A	N/A	7.45	8.25	8.25	8.68	8.68	Tributary of Rubes Creek
C/D	J-1	51+08.36	30.35R	N/A	0.12	12.69	1.10	0.65	43.91	8.87	66.81	75.06	66.36	76.96	N/A	N/A	N/A	N/A	21.54	22.20	10.05	10.53	10.53	Tributary of Rubes Creek
E	EX. E-1.0	37+21.16	73.60R	N/A	0.12	5.26	0.91	0.65	23.36	7.56	27.69	31.11	33.63	38.31	N/A	N/A	N/A	N/A	9.18	9.46	7.99	8.80	8.80	Tributary of Rubes Creek
G	S-1	34+59.36	206.74R	N/A	0.09	11.06	1.91	0.55	31.87	9.19	49.27	55.36	54.42	63.21	N/A	N/A	N/A	N/A	10.63	10.63	10.64	11.07	11.07	Tributary of Rubes Creek
H	EX. H-1.1	26+57.02	56.45R	N/A	0.08	8.67	0.88	0.45	25.87	9.60	31.60	35.50	37.25	42.45	N/A	N/A	N/A	N/A	12.70	13.06	10.91	11.49	11.49	Tributary of Rubes Creek
I	EX. I-1.1	16+84.68	14.90R	N/A	0.08	9.00	0.74	0.35	23.37	16.76	25.52	28.67	33.08	37.48	N/A	N/A	N/A	N/A	18.90	19.15	20.02	21.21	21.21	Tributary of Rubes Creek

04-15-2019
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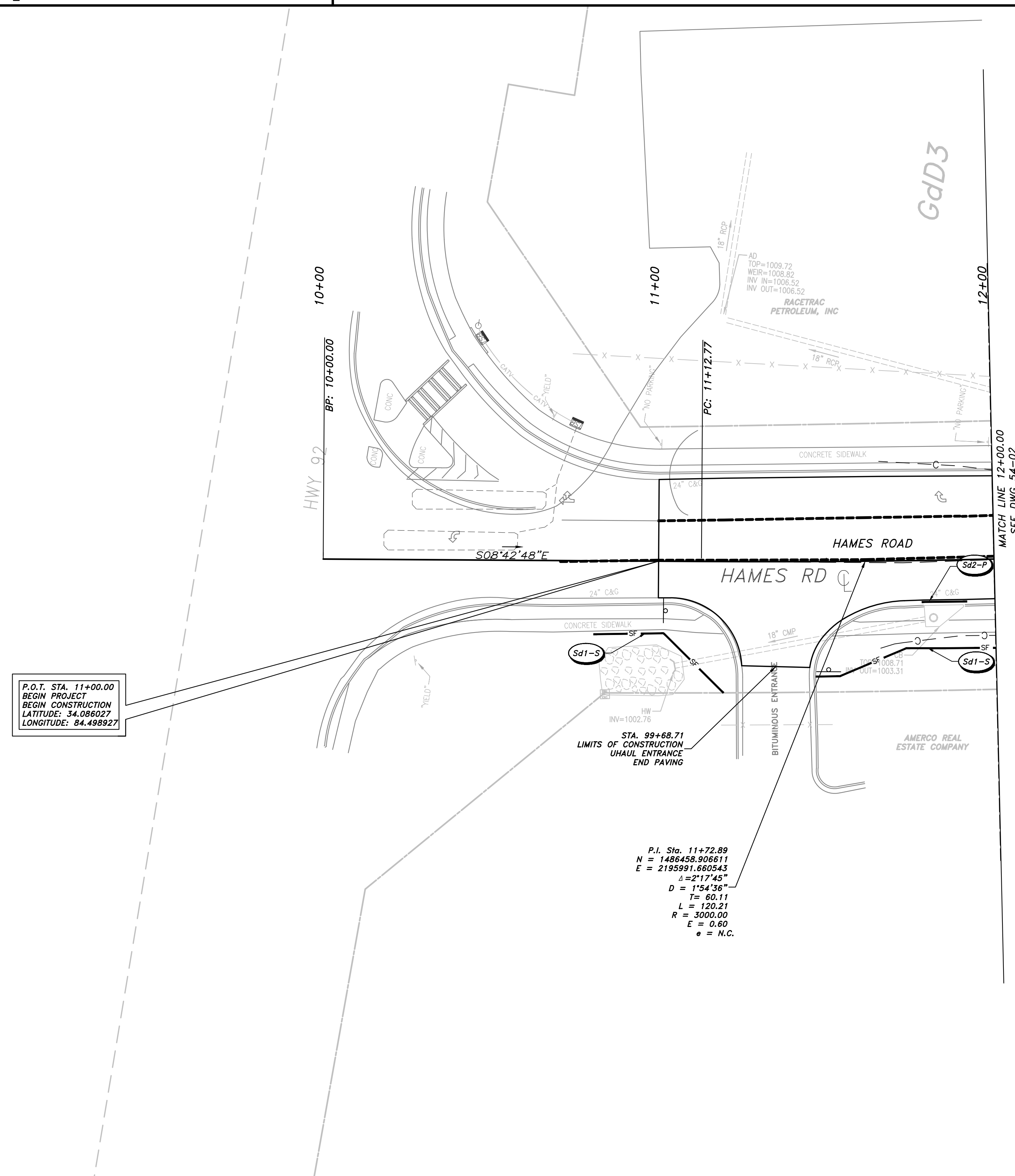
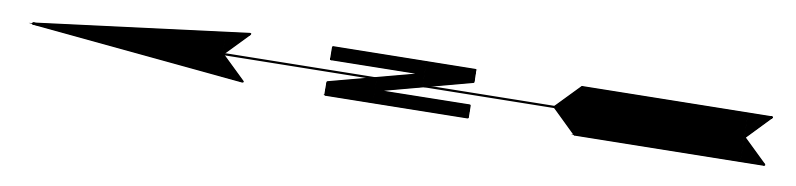


REVISION DATES	

CHEROKEE COUNTY
 DEPARTMENT OF TRANSPORTATION
 OFFICE:
 ES&PC DRAINAGE AREA MAP

HAMES ROAD

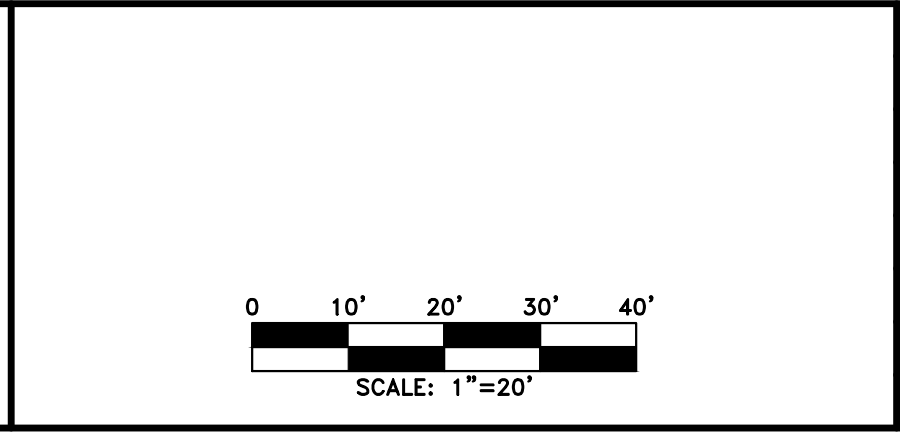
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 53-01



PROPERTY AND EXISTING R/W LINE	— P —
REQUIRED R/W LINE	— G —
CONSTRUCTION LIMITS	— F —
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES	[Hatched Box]
EASEMENT FOR CONSTR OF SLOPES	[Hatched Box]
EASEMENT FOR CONSTR OF DRIVES	[Hatched Box]

BEGIN LIMIT OF ACCESS.....BLA	— o — o —
END LIMIT OF ACCESS.....ELA	— o — o —
LIMIT OF ACCESS	— — —
REQ'D R/W & LIMIT OF ACCESS	— — —
PROPOSED 5' WIDE CONC. SIDEWALK	[Solid Black Box]

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REVISION DATES		

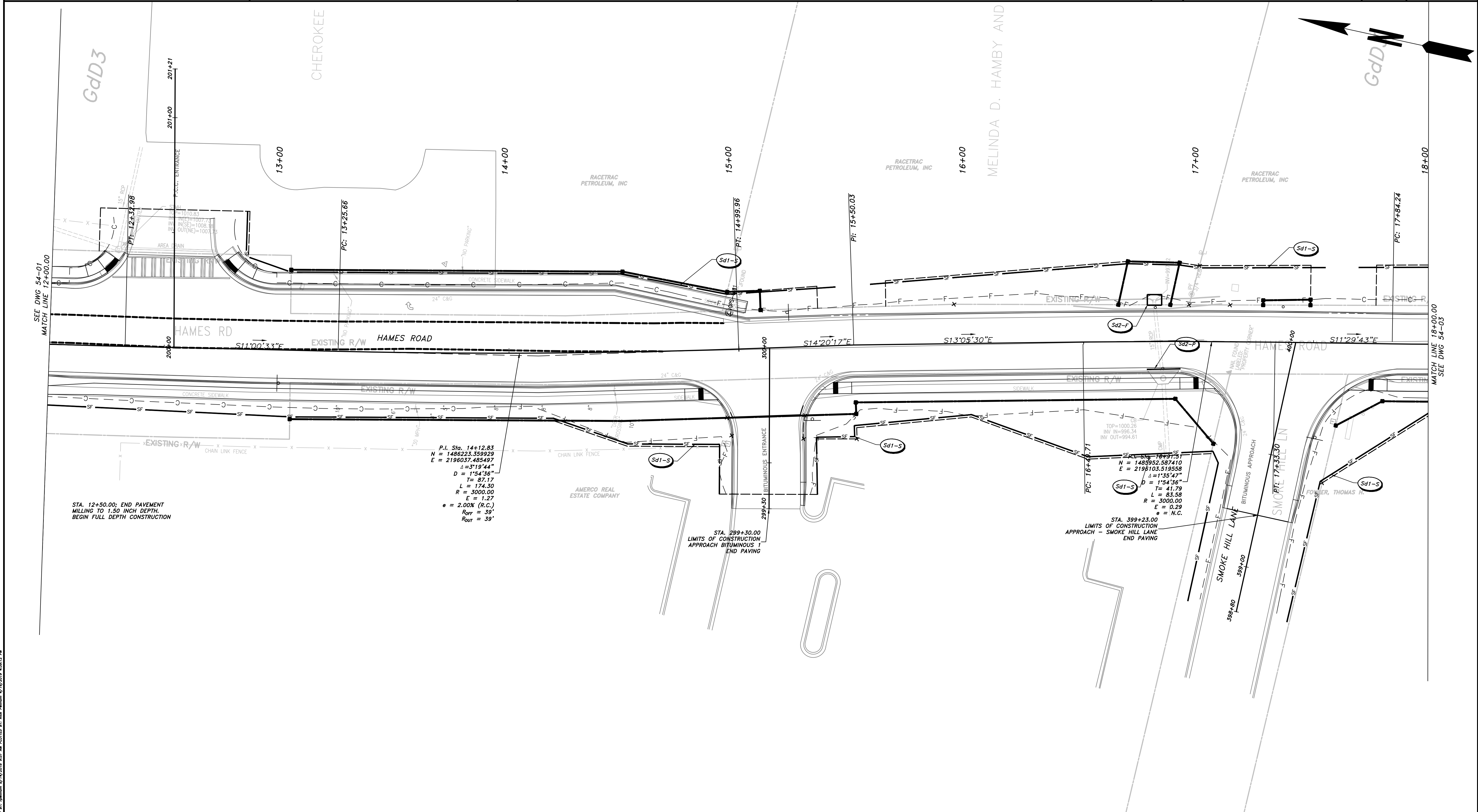
CHEROKEE COUNTY
DEPARTMENT OF TRANSPORTATION

OFFICE: ES&PC - PHASE I

STA. 10+00 TO STA 12+00
HAMES ROAD

DRAWING No.	54-01
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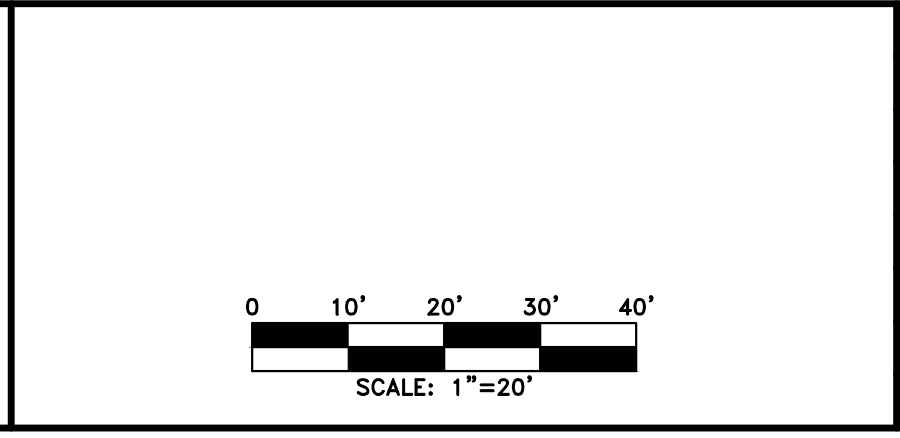
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 rpellhum
 04-15-2019



PROPERTY AND EXISTING R/W LINE	
REQUIRED R/W LINE	
CONSTRUCTION LIMITS	
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES	
EASEMENT FOR CONSTR OF SLOPES	
EASEMENT FOR CONSTR OF DRIVES	

BEGIN LIMIT OF ACCESS.....BLA	
END LIMIT OF ACCESS.....ELA	
LIMIT OF ACCESS	
REQ'D R/W & LIMIT OF ACCESS	
PROPOSED 5' WIDE CONC. SIDEWALK	

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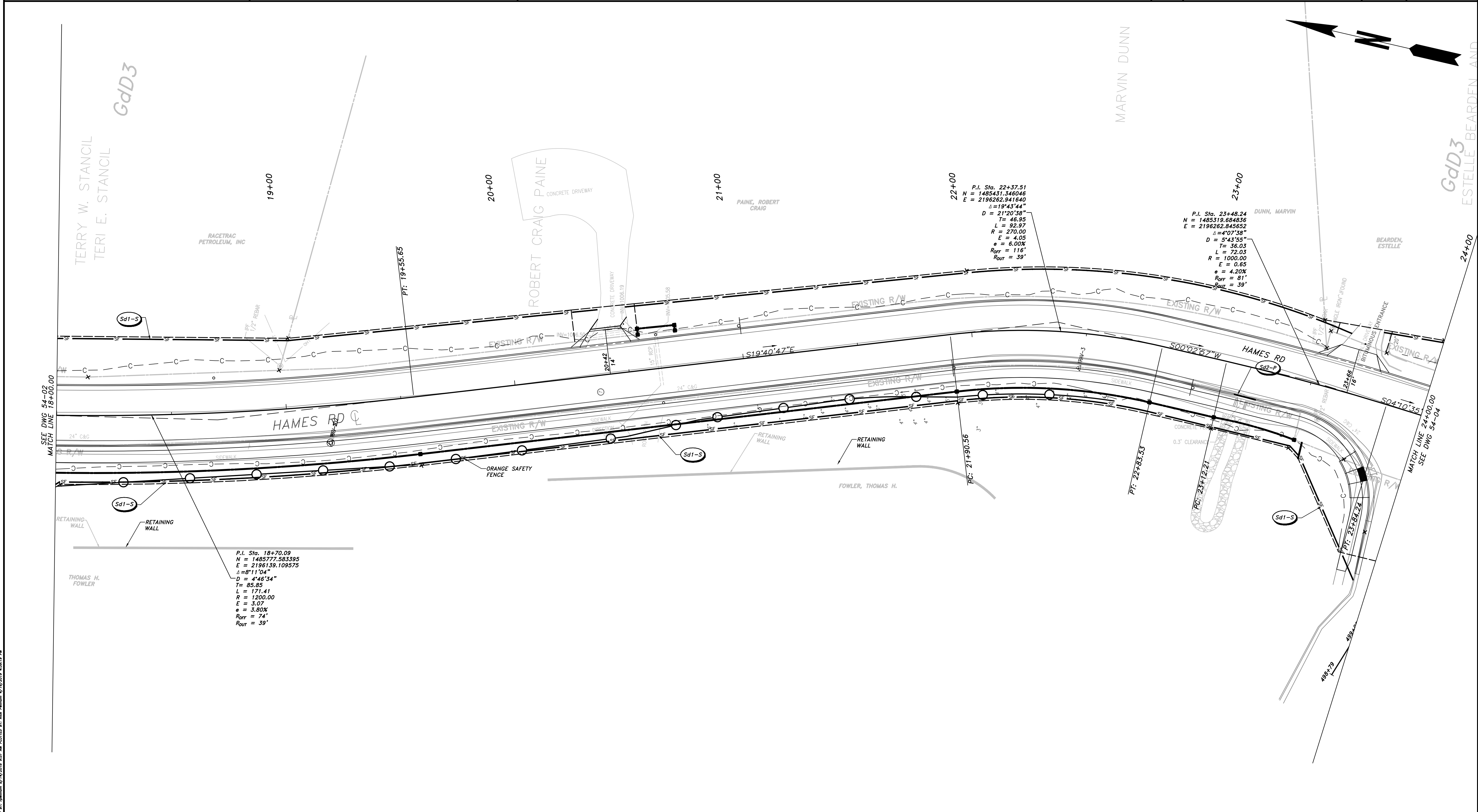


REVISION	DATE	DESCRIPTION

CHEROKEE COUNTY
 DEPARTMENT OF TRANSPORTATION
 OFFICE:
 ES&PC - PHASE I
 STA. 12+00 TO STA. 18+00
 HAMES ROAD

DRAWING No.
 54-02

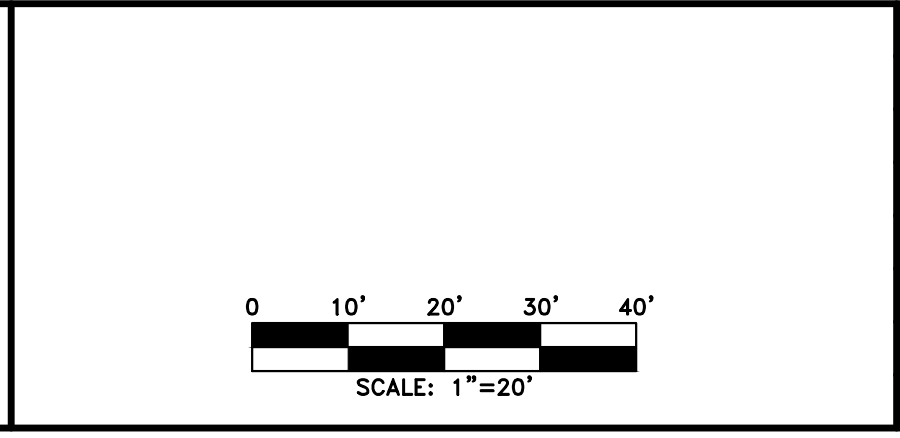
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PROPERTY AND EXISTING R/W LINE	— P —
REQUIRED R/W LINE	— C —
CONSTRUCTION LIMITS	— F —
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES	▨
EASEMENT FOR CONSTR OF SLOPES	▩
EASEMENT FOR CONSTR OF DRIVES	▣

BEGIN LIMIT OF ACCESS.....BLA	— o —
END LIMIT OF ACCESS.....ELA	— o —
LIMIT OF ACCESS	— o —
REQ'D R/W & LIMIT OF ACCESS	— III —
PROPOSED 5' WIDE CONC. SIDEWALK	■

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REVISION DATES	

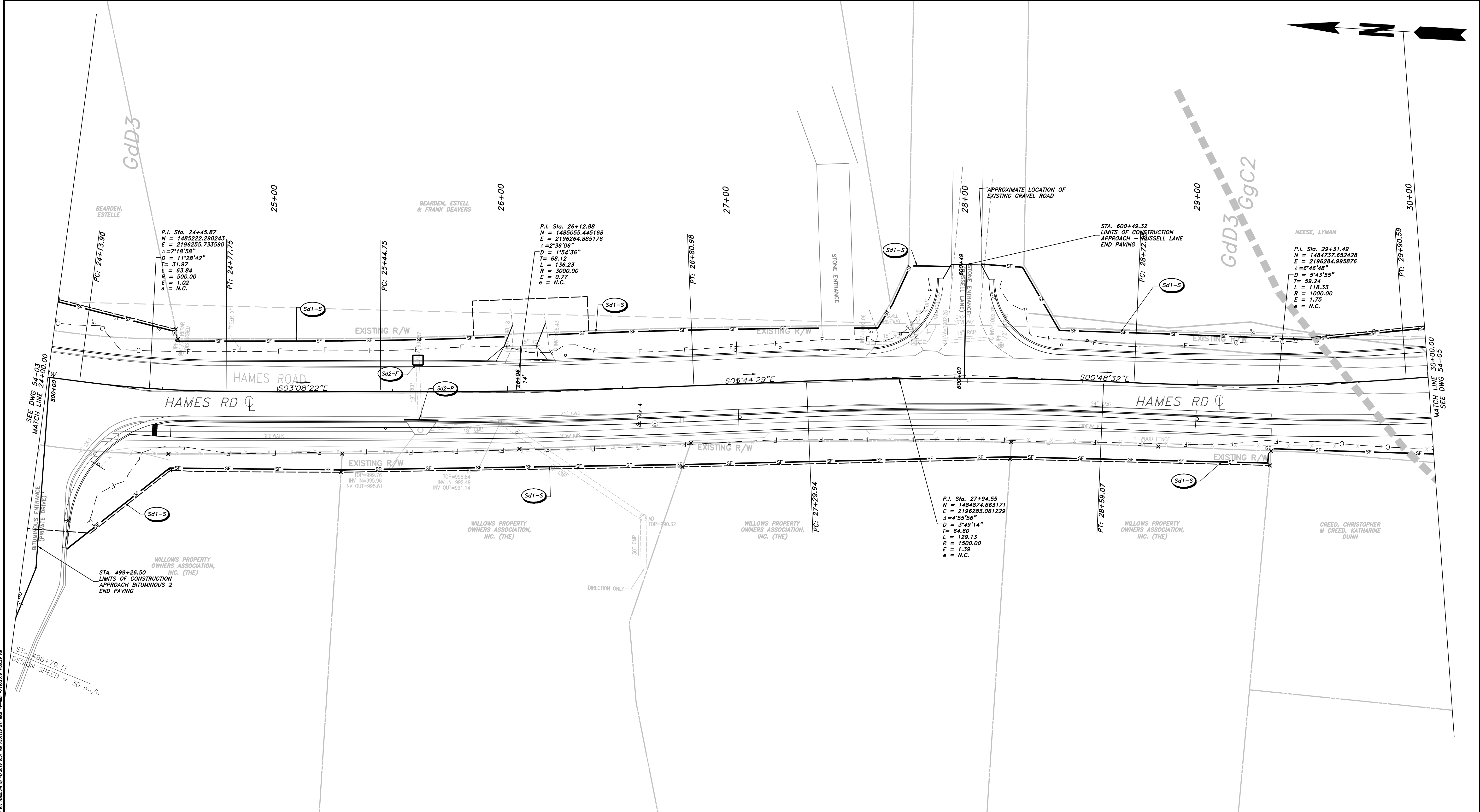
CHEROKEE COUNTY
DEPARTMENT OF TRANSPORTATION

OFFICE:
ES&PC - PHASE I

STA. 18+00 TO 24+00
HAMES ROAD

DRAWING No.
54-03

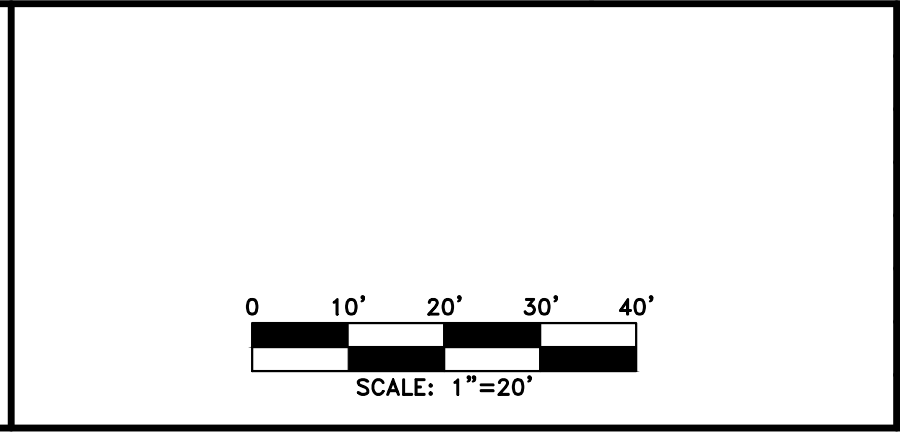
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PROPERTY AND EXISTING R/W LINE	
REQUIRED R/W LINE	
CONSTRUCTION LIMITS	
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES	
EASEMENT FOR CONSTR OF SLOPES	
EASEMENT FOR CONSTR OF DRIVES	

BEGIN LIMIT OF ACCESS.....BLA	
END LIMIT OF ACCESS.....ELA	
LIMIT OF ACCESS	
REQ'D R/W & LIMIT OF ACCESS	
PROPOSED 5' WIDE CONC. SIDEWALK	

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 MARIETTA, GA 770.423.0807

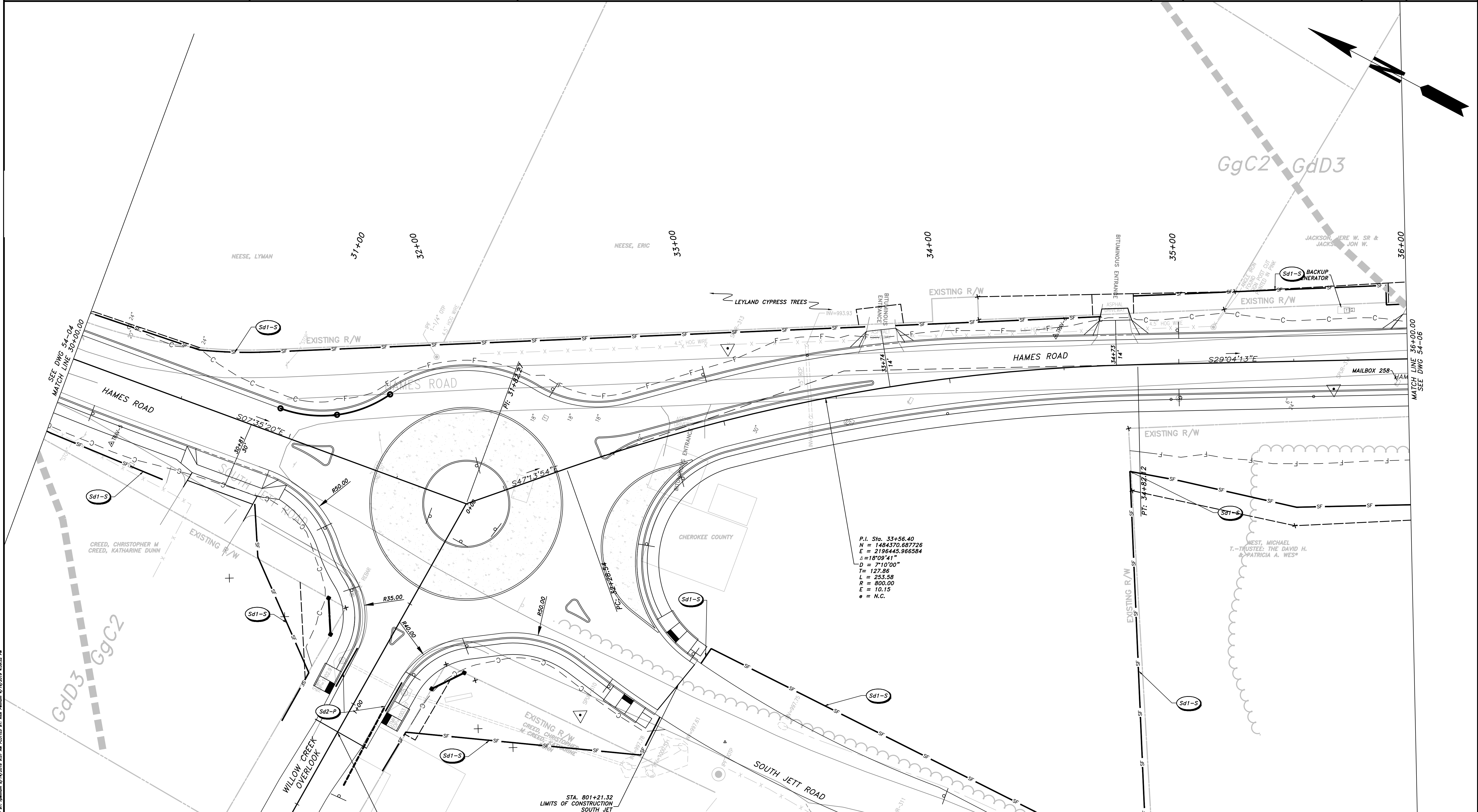


REVISION	DATE	DESCRIPTION

CHEROKEE COUNTY
 DEPARTMENT OF TRANSPORTATION
 OFFICE: ES&PC - PHASE I
 STA. 24+00 TO STA. 30+00
 HAMES ROAD

DRAWING No. 54-04

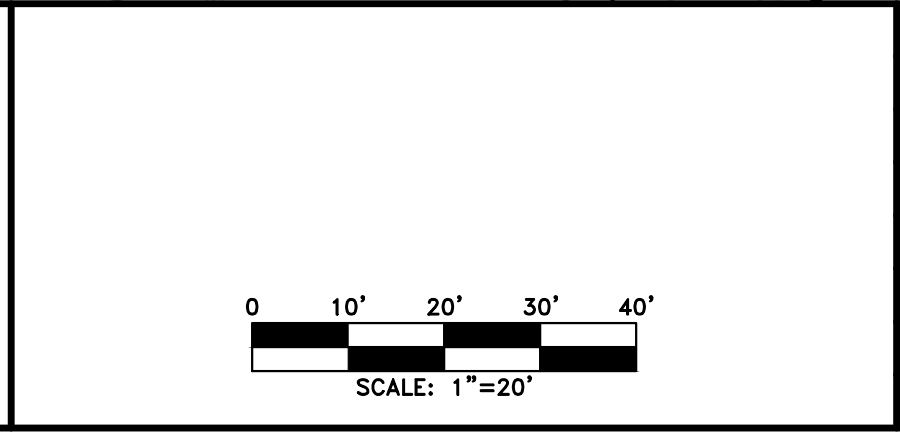
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 DATE: 3/12/2014 3:13:44 PM



PROPERTY AND EXISTING R/W LINE REQUIRED R/W LINE CONSTRUCTION LIMITS EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES EASEMENT FOR CONSTR OF SLOPES EASEMENT FOR CONSTR OF DRIVES	<table style="width:100%; border-collapse: collapse;"> <tr> <td style="text-align: center;">— P —</td> <td style="width: 20px;"></td> </tr> <tr> <td style="text-align: center;">— G —</td> <td style="width: 20px;"></td> </tr> <tr> <td style="text-align: center;">— F —</td> <td style="width: 20px;"></td> </tr> <tr> <td style="text-align: center;">[Hatched Box]</td> <td style="width: 20px;"></td> </tr> <tr> <td style="text-align: center;">[Hatched Box]</td> <td style="width: 20px;"></td> </tr> <tr> <td style="text-align: center;">[Hatched Box]</td> <td style="width: 20px;"></td> </tr> </table>	— P —		— G —		— F —		[Hatched Box]		[Hatched Box]		[Hatched Box]	
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BEGIN LIMIT OF ACCESS.....BLA END LIMIT OF ACCESS.....ELA LIMIT OF ACCESS REQ'D R/W & LIMIT OF ACCESS	<table style="width:100%; border-collapse: collapse;"> <tr> <td style="text-align: center;">— o — o —</td> <td style="width: 20px;"></td> </tr> <tr> <td style="text-align: center;">— — —</td> <td style="width: 20px;"></td> </tr> </table>	— o — o —		— — —	
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PROPOSED 5' WIDE CONC. SIDEWALK					

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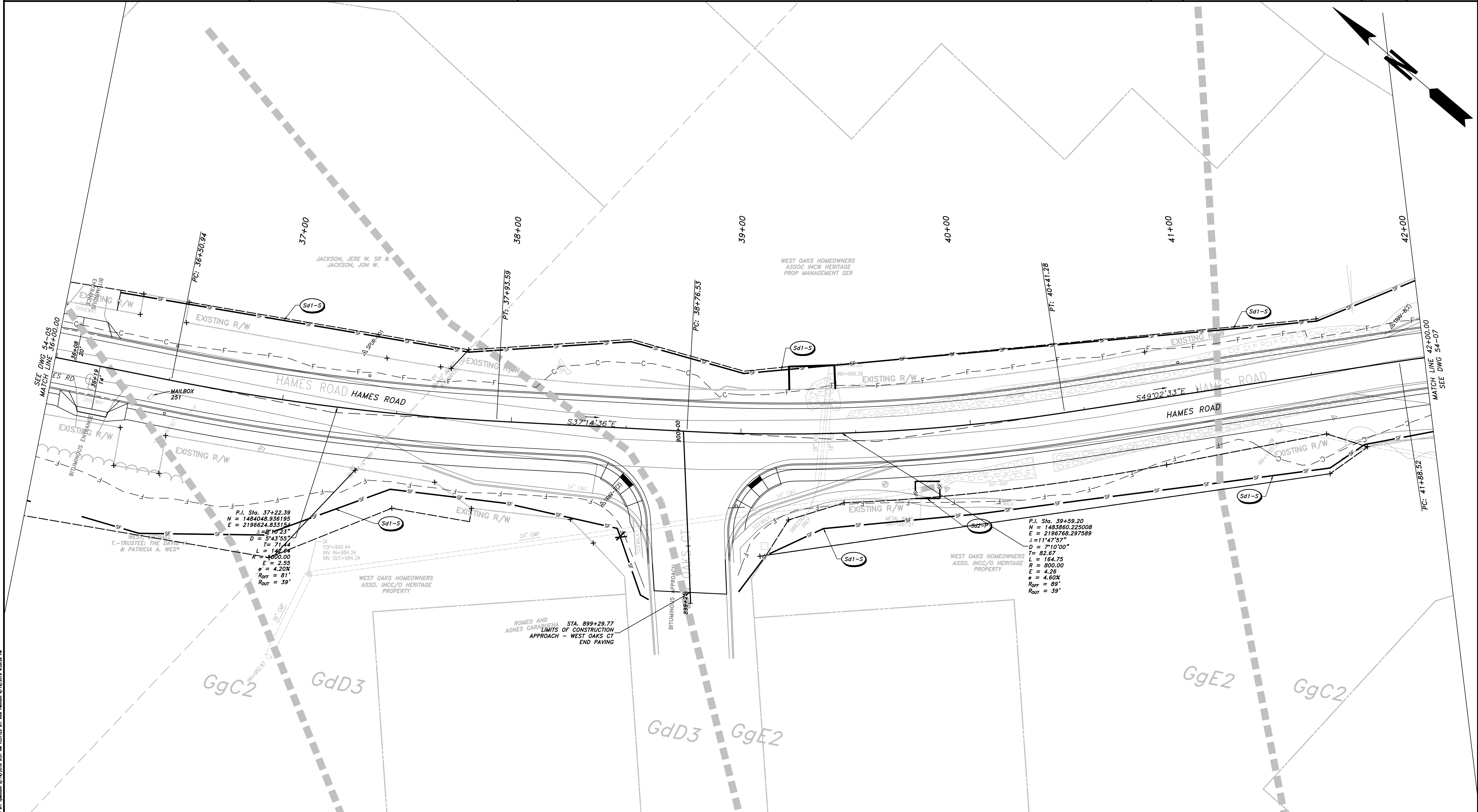
REVISION	DATES

CHEROKEE COUNTY
 DEPARTMENT OF TRANSPORTATION
 OFFICE:
 ES&PC - PHASE I

STA. 30+00 TO STA. 36+00
 HAMES ROAD

DRAWING No.
54-05

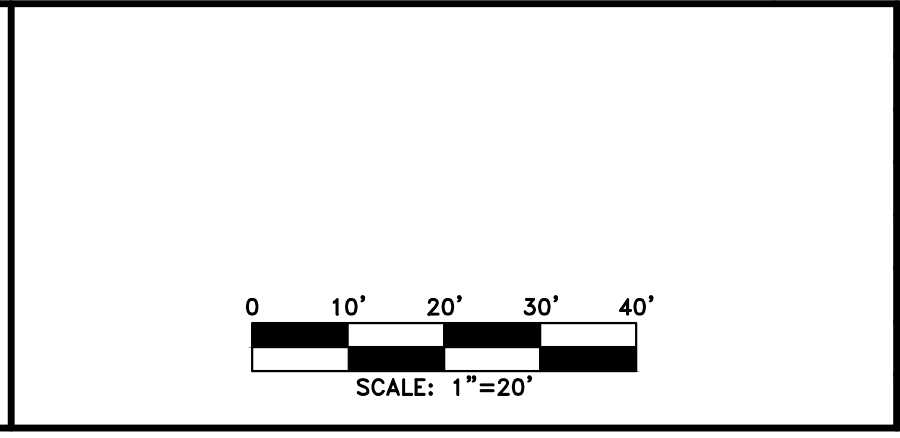
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PROPERTY AND EXISTING R/W LINE	
REQUIRED R/W LINE	
CONSTRUCTION LIMITS	
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES	
EASEMENT FOR CONSTR OF SLOPES	
EASEMENT FOR CONSTR OF DRIVES	

BEGIN LIMIT OF ACCESS.....BLA	
END LIMIT OF ACCESS.....ELA	
LIMIT OF ACCESS	
REQ'D R/W & LIMIT OF ACCESS	
PROPOSED 5' WIDE CONC. SIDEWALK	

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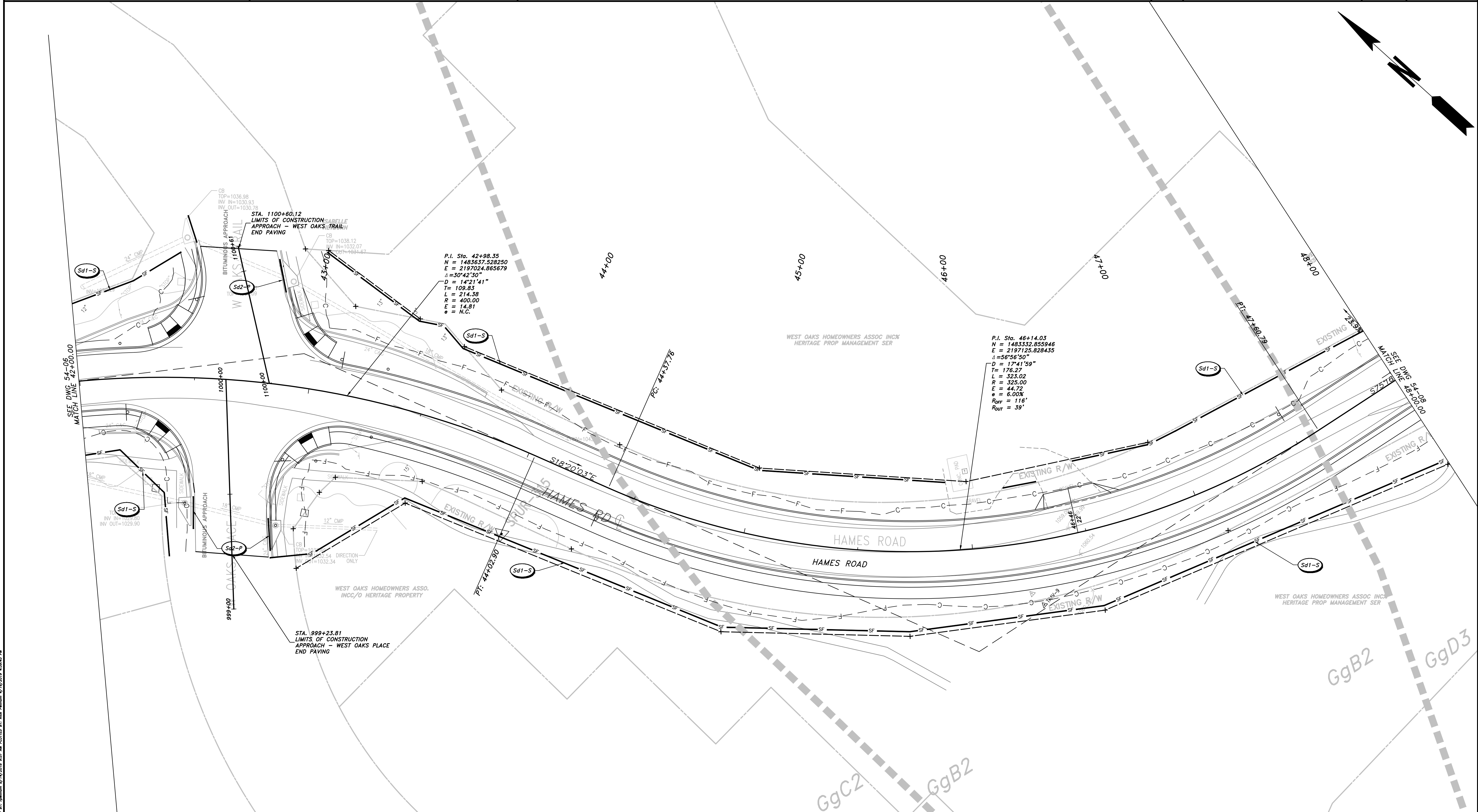


REVISION	DATE	DESCRIPTION

CHEROKEE COUNTY
 DEPARTMENT OF TRANSPORTATION
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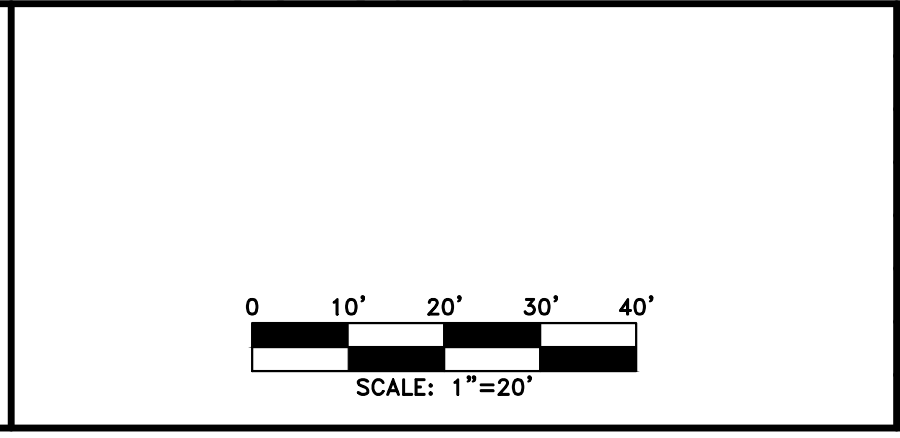
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PROPERTY AND EXISTING R/W LINE REQUIRED R/W LINE CONSTRUCTION LIMITS EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES EASEMENT FOR CONSTR OF SLOPES EASEMENT FOR CONSTR OF DRIVES	
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BEGIN LIMIT OF ACCESS.....BLA END LIMIT OF ACCESS.....ELA LIMIT OF ACCESS REQ'D R/W & LIMIT OF ACCESS	
PROPOSED 5' WIDE CONC. SIDEWALK	

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REVISION DATES	

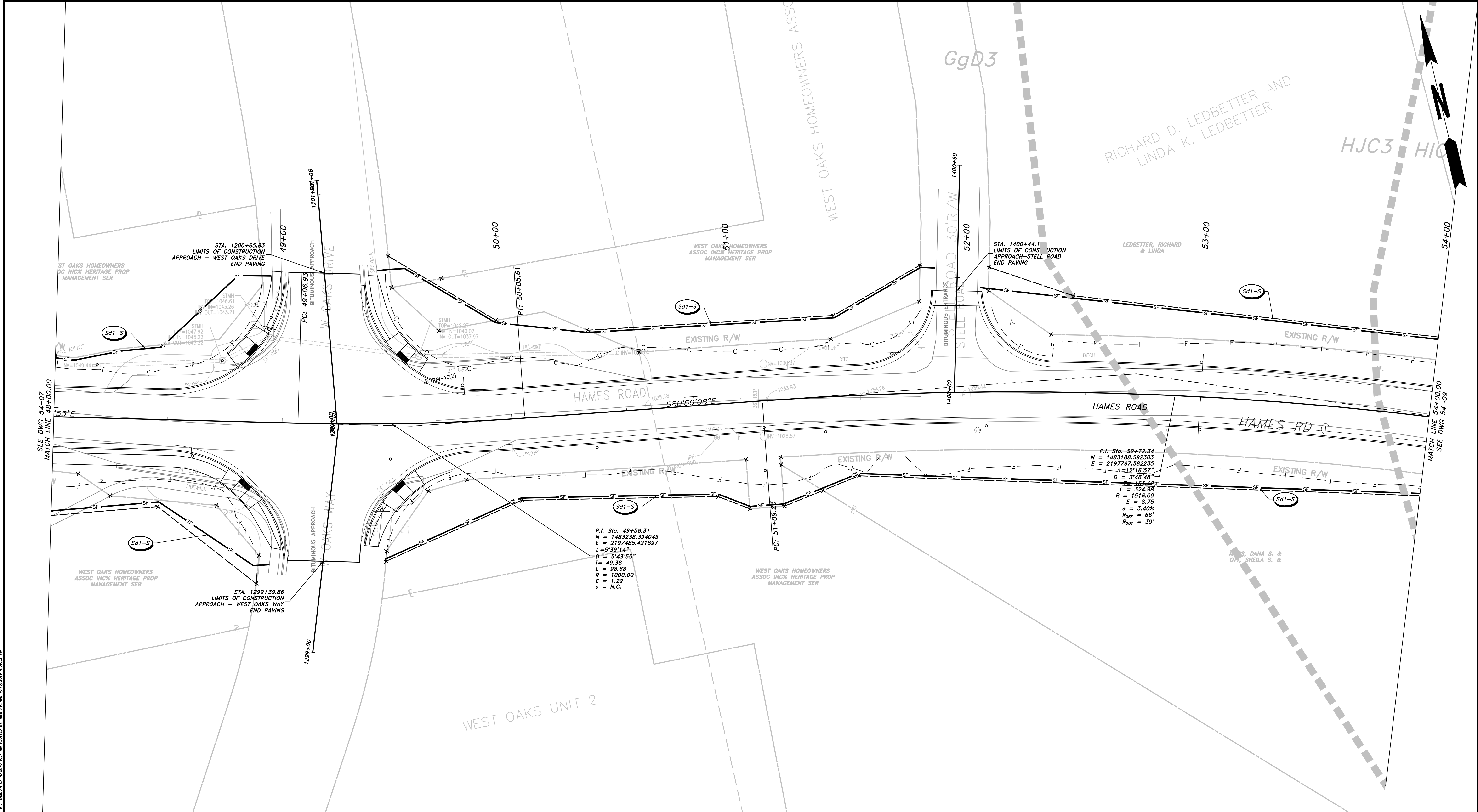
CHEROKEE COUNTY
 DEPARTMENT OF TRANSPORTATION

OFFICE:
 ES&PC - PHASE I

STA 42+00 TO STA. 48+00
 HAMES ROAD

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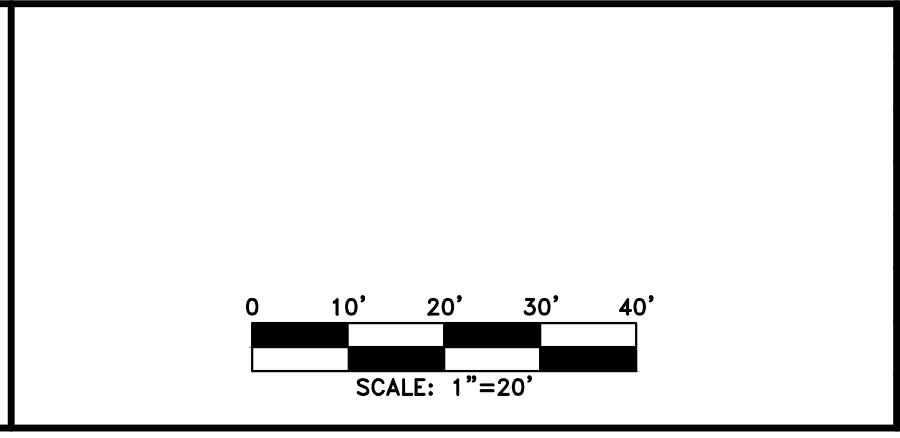
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PROPERTY AND EXISTING R/W LINE	
REQUIRED R/W LINE	
CONSTRUCTION LIMITS	
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES	
EASEMENT FOR CONSTR OF SLOPES	
EASEMENT FOR CONSTR OF DRIVES	

BEGIN LIMIT OF ACCESS.....BLA	
END LIMIT OF ACCESS.....ELA	
LIMIT OF ACCESS	
REQ'D R/W & LIMIT OF ACCESS	
PROPOSED 5' WIDE CONC. SIDEWALK	

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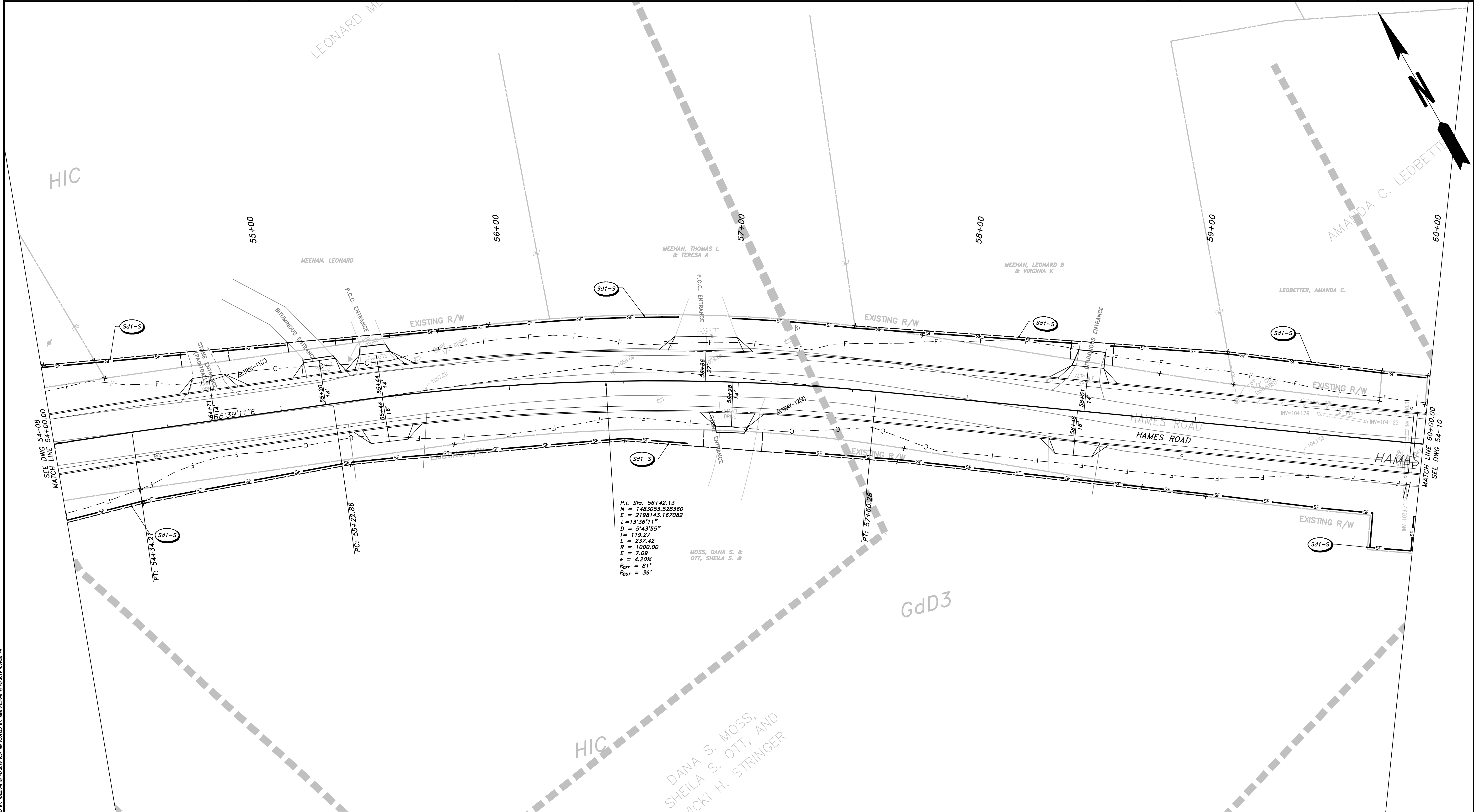


REVISION	DATE	DESCRIPTION

CHEROKEE COUNTY
 DEPARTMENT OF TRANSPORTATION
 OFFICE:
 ES&PC - PHASE I
 STA. 48+00 TO STA. 54+00
 HAMES ROAD

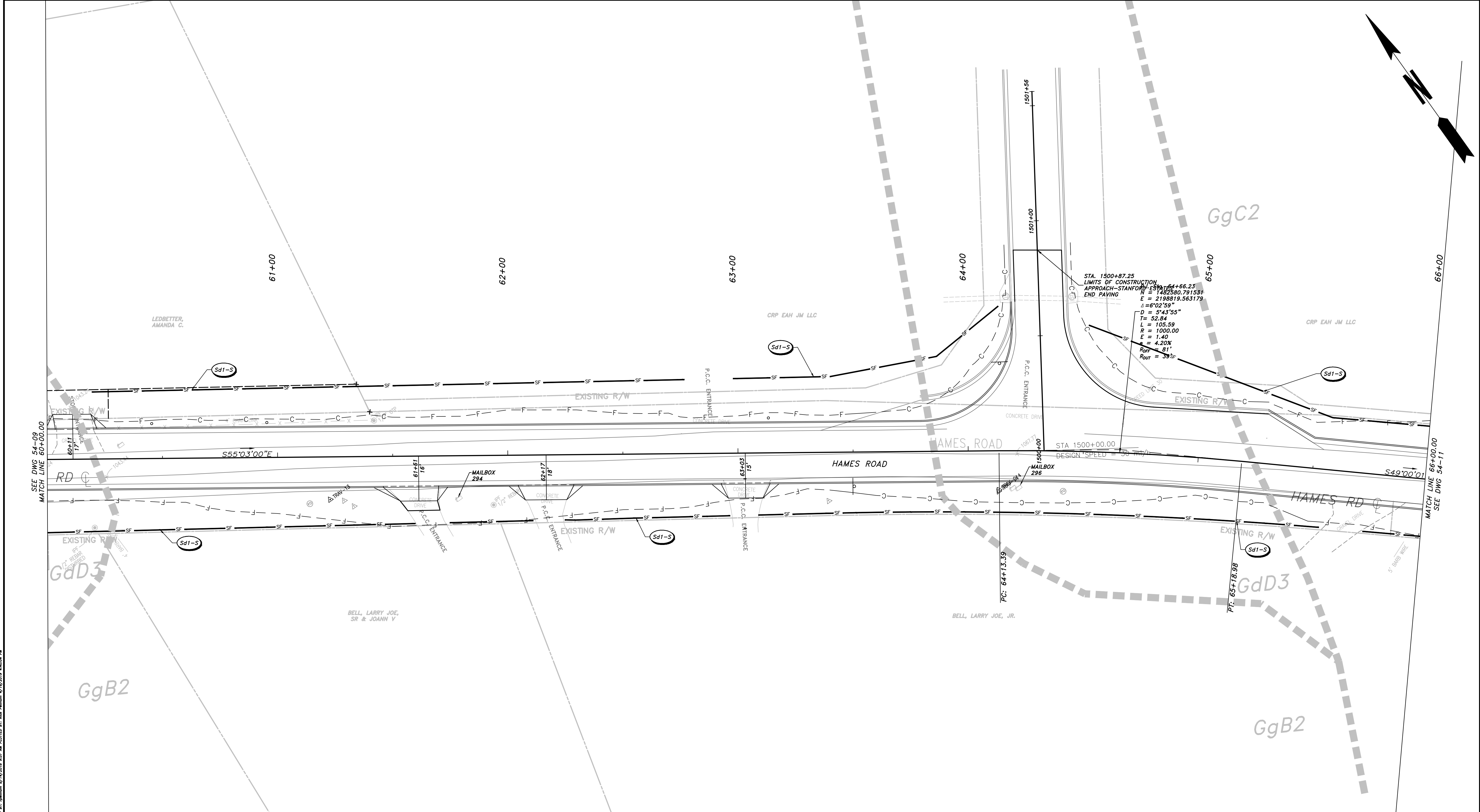
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PROPERTY AND EXISTING R/W LINE REQUIRED R/W LINE CONSTRUCTION LIMITS EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES EASEMENT FOR CONSTR OF SLOPES EASEMENT FOR CONSTR OF DRIVES		BEGIN LIMIT OF ACCESS.....BLA END LIMIT OF ACCESS.....ELA LIMIT OF ACCESS REQ'D R/W & LIMIT OF ACCESS PROPOSED 5' WIDE CONC. SIDEWALK	<p> ATWELL 866.850.4200 www.atwell-group.com 1800 PARKWAY PLACE, SUITE 700 MARIETTA, GA 770.423.0807 </p>	<p>SCALE: 1"=20'</p>	<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2">REVISION DATES</th> </tr> </thead> <tbody> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> </tbody> </table>	REVISION DATES																						CHEROKEE COUNTY DEPARTMENT OF TRANSPORTATION OFFICE: ES&PC - PHASE I STA. 54+00 TO STA. 60+00 HAMES ROAD	DRAWING No. 54-09
REVISION DATES																													

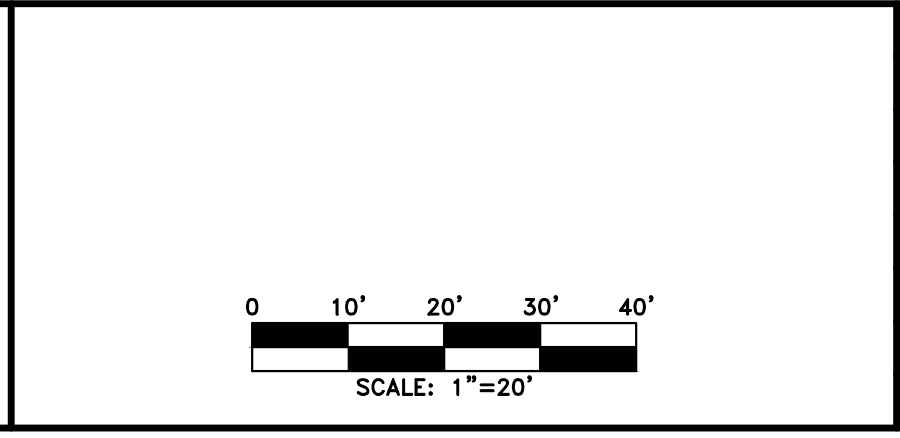
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PROPERTY AND EXISTING R/W LINE	
REQUIRED R/W LINE	
CONSTRUCTION LIMITS	
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES	
EASEMENT FOR CONSTR OF SLOPES	
EASEMENT FOR CONSTR OF DRIVES	

BEGIN LIMIT OF ACCESS.....BLA	
END LIMIT OF ACCESS.....ELA	
LIMIT OF ACCESS	
REQ'D R/W & LIMIT OF ACCESS	
PROPOSED 5' WIDE CONC. SIDEWALK	

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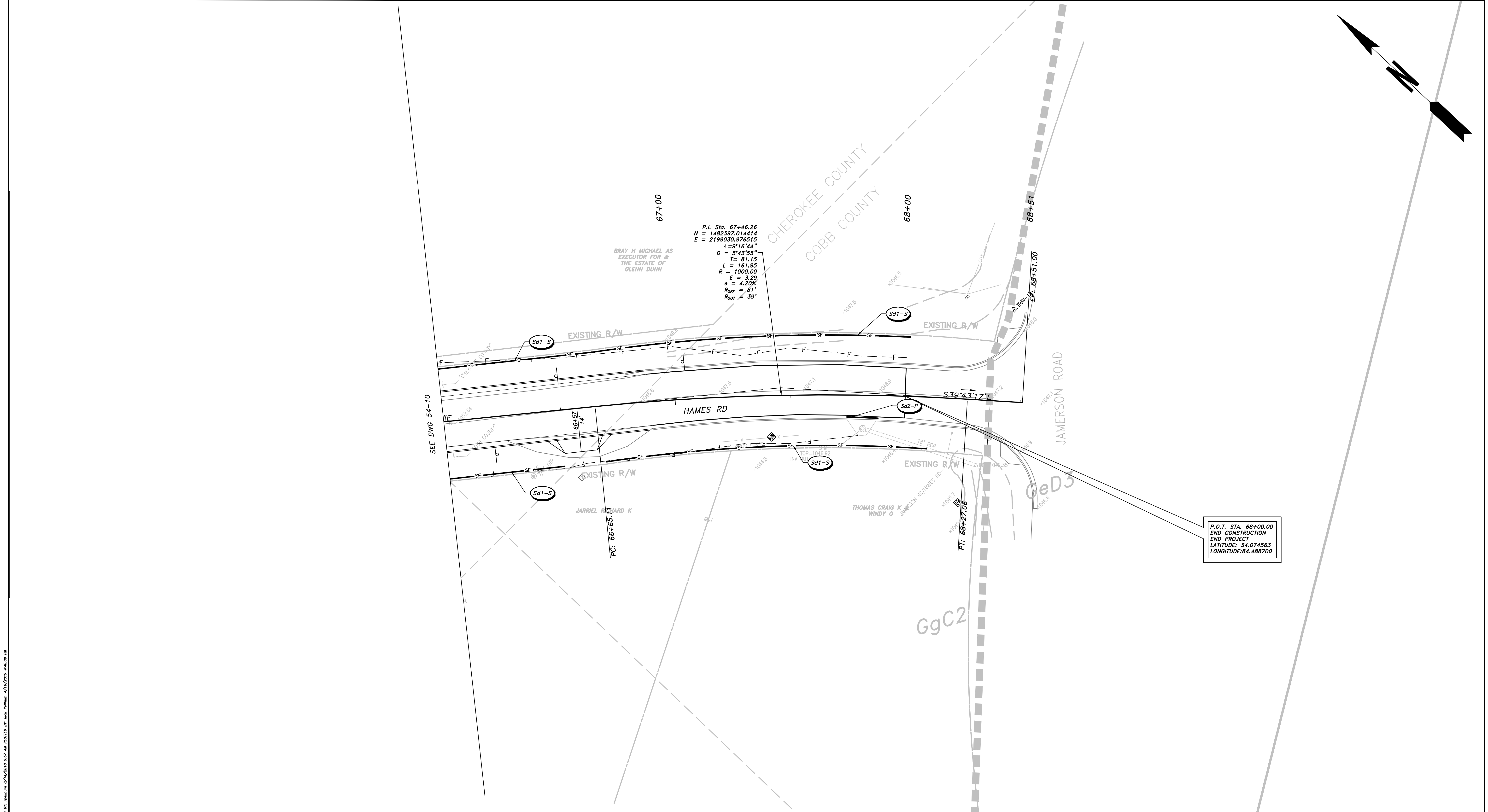


REVISION	DATE	DESCRIPTION

CHEROKEE COUNTY
 DEPARTMENT OF TRANSPORTATION
 OFFICE:
 ES&PC - PHASE I
 STA. 60+00 TO STA. 66+00
 HAMES ROAD

DRAWING No.
 54-10

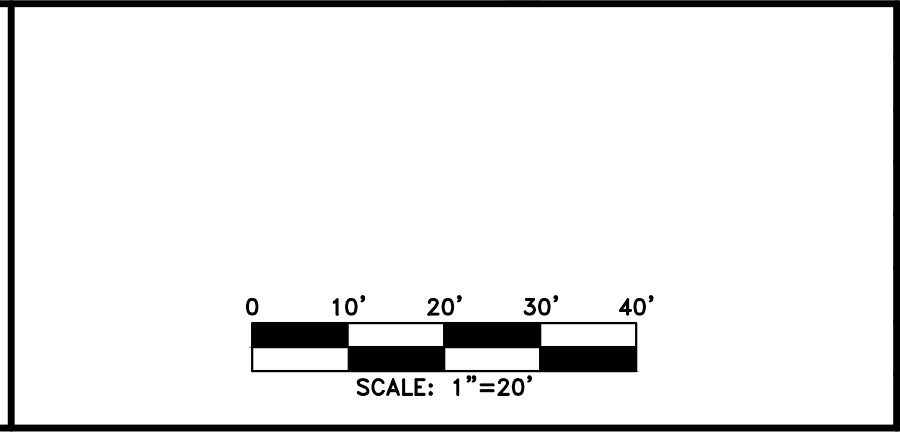
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 SEE DWG 54-11 MATCH LINE 66+00.00
 04-15-2019



PROPERTY AND EXISTING R/W LINE REQUIRED R/W LINE CONSTRUCTION LIMITS EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES EASEMENT FOR CONSTR OF SLOPES EASEMENT FOR CONSTR OF DRIVES	
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BEGIN LIMIT OF ACCESS.....BLA END LIMIT OF ACCESS.....ELA LIMIT OF ACCESS REQ'D R/W & LIMIT OF ACCESS PROPOSED 5' WIDE CONC. SIDEWALK	
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REVISION	DATE	DESCRIPTION

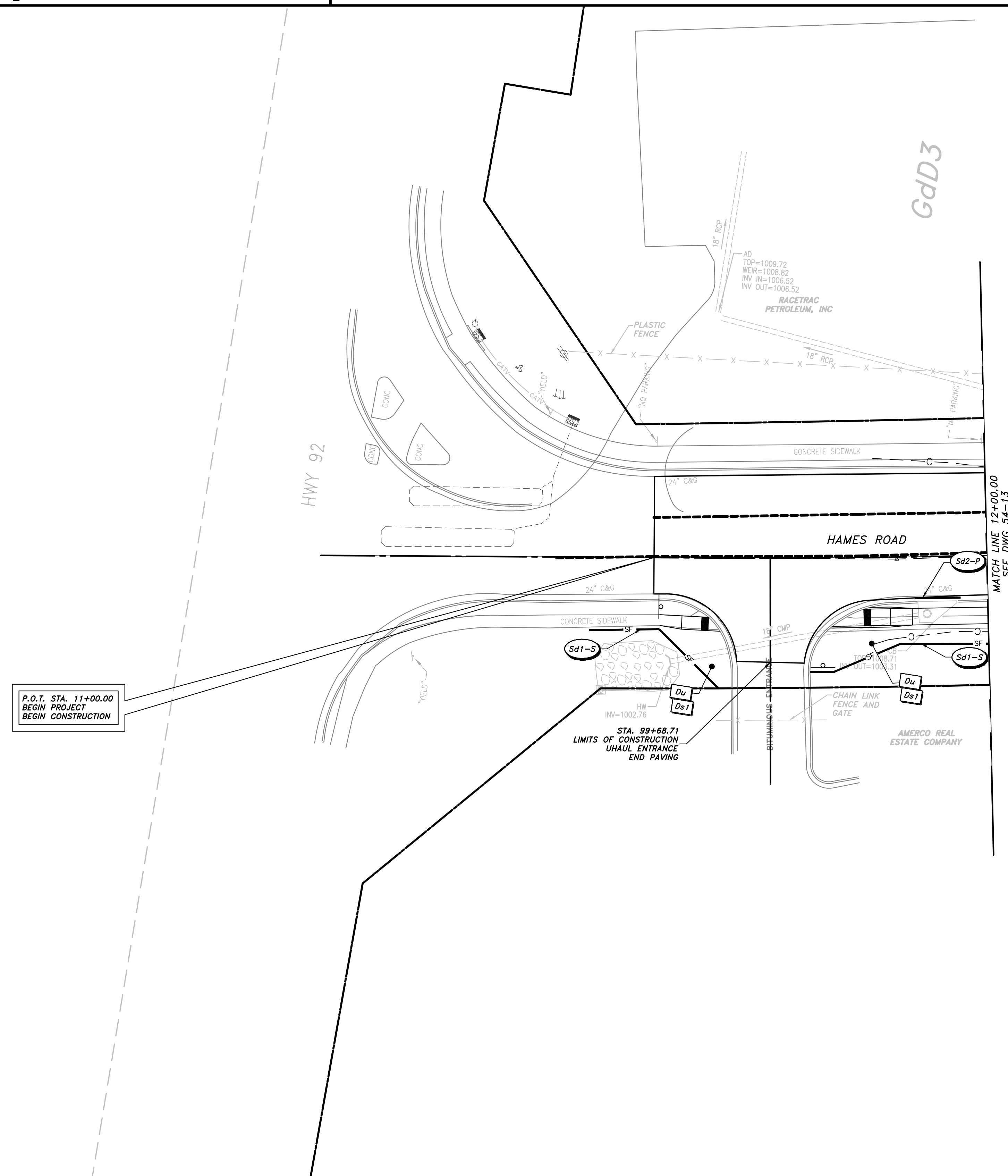
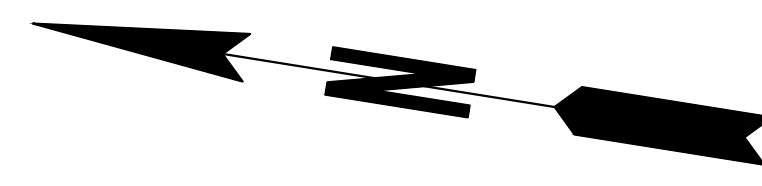
CHEROKEE COUNTY
 DEPARTMENT OF TRANSPORTATION

OFFICE:
 ES&PC - PHASE I

STA. 66+00 TO STA. 68+48.35
 HAMES ROAD

DRAWING No.
 54-11

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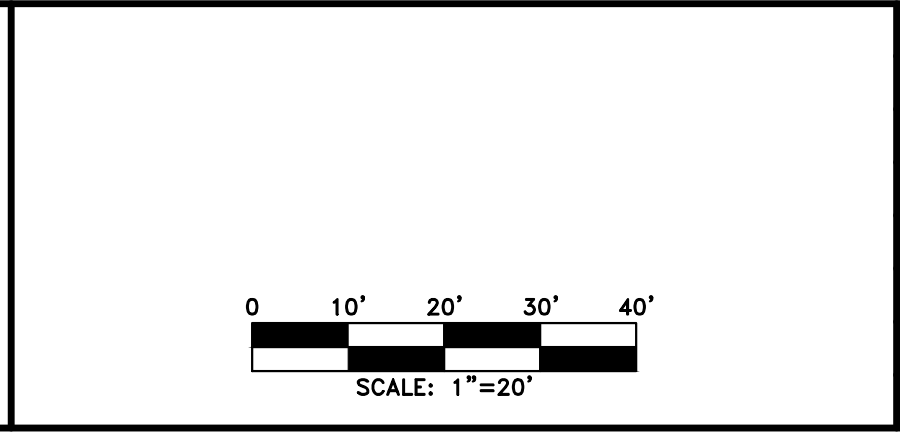


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PROPERTY AND EXISTING R/W LINE	— P —
REQUIRED R/W LINE	— G —
CONSTRUCTION LIMITS	— F —
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES	[Hatched Box]
EASEMENT FOR CONSTR OF SLOPES	[Hatched Box]
EASEMENT FOR CONSTR OF DRIVES	[Hatched Box]

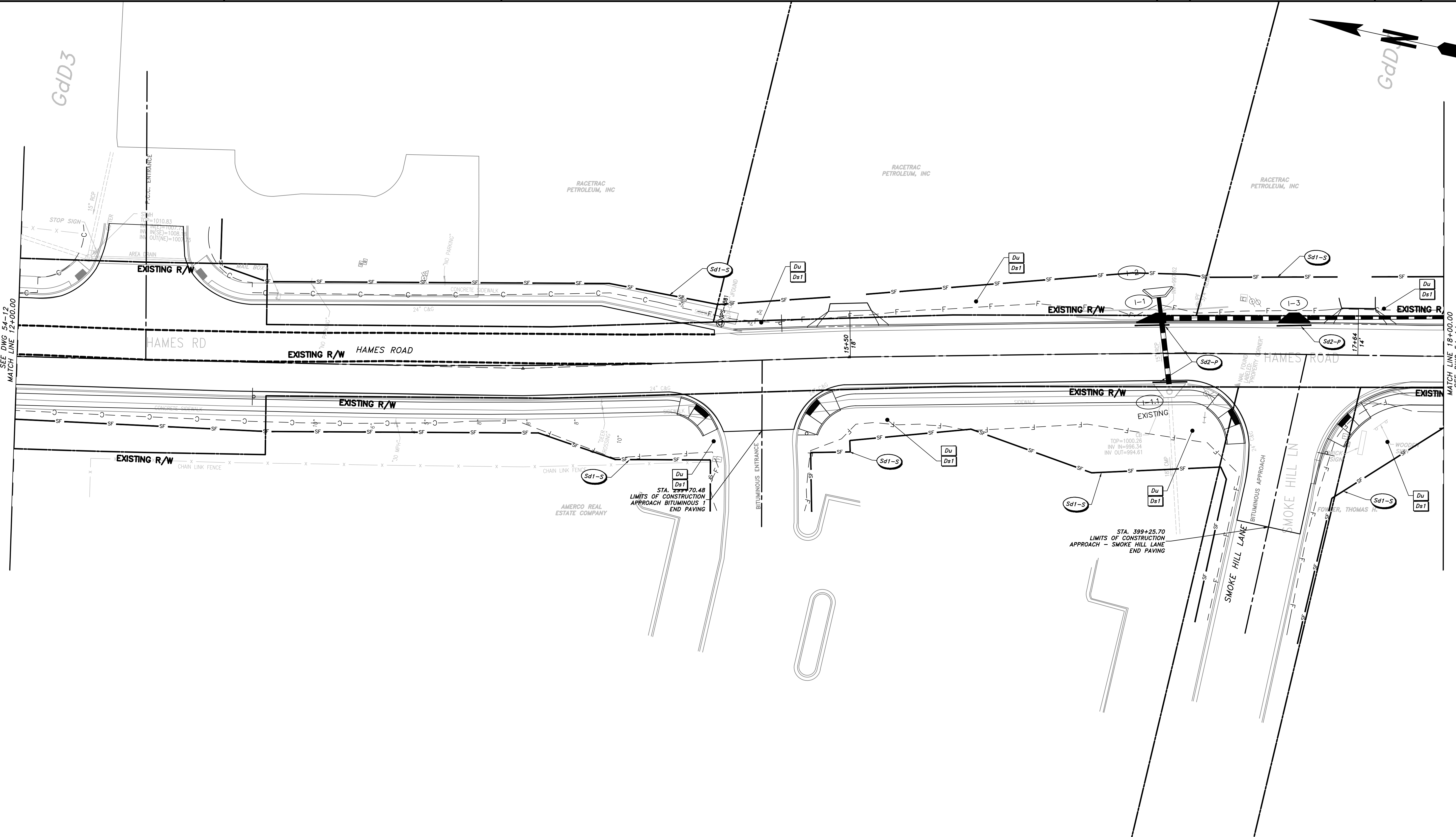
BEGIN LIMIT OF ACCESS.....BLA	— o o o —
END LIMIT OF ACCESS.....ELA	— o o o —
LIMIT OF ACCESS	— o o o —
REQ'D R/W & LIMIT OF ACCESS	— III —
PROPOSED 5' WIDE CONC. SIDEWALK [Solid Black Box]	

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REVISION DATES		

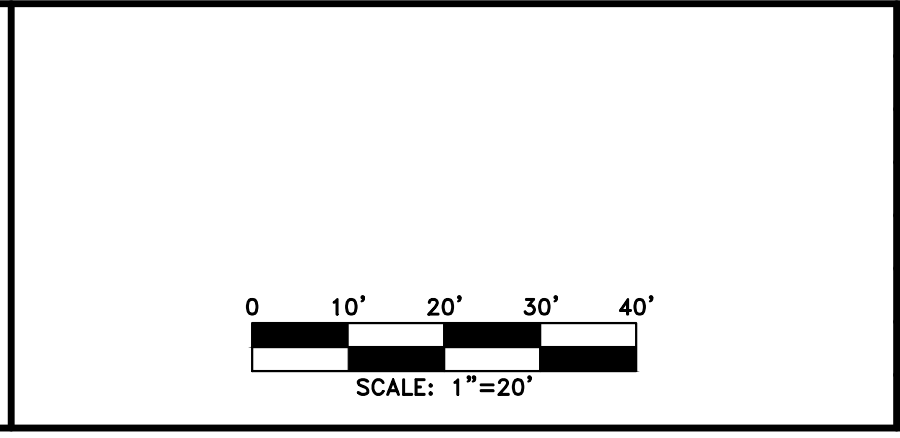
CHEROKEE COUNTY DEPARTMENT OF TRANSPORTATION OFFICE: ES&PC - PHASE II	STA. 10+00 TO STA 12+00 HAMES ROAD	DRAWING No. 54-12
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PROPERTY AND EXISTING R/W LINE REQUIRED R/W LINE CONSTRUCTION LIMITS EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES EASEMENT FOR CONSTR OF SLOPES EASEMENT FOR CONSTR OF DRIVES	<table style="width:100%; border-collapse: collapse;"> <tr><td style="text-align: center;">— P —</td></tr> <tr><td style="text-align: center;">— G —</td></tr> <tr><td style="text-align: center;">— F —</td></tr> <tr><td style="text-align: center;">[Hatched Box]</td></tr> <tr><td style="text-align: center;">[Hatched Box]</td></tr> <tr><td style="text-align: center;">[Hatched Box]</td></tr> </table>	— P —	— G —	— F —	[Hatched Box]	[Hatched Box]	[Hatched Box]
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BEGIN LIMIT OF ACCESS.....BLA END LIMIT OF ACCESS.....ELA LIMIT OF ACCESS REQ'D R/W & LIMIT OF ACCESS	<table style="width:100%; border-collapse: collapse;"> <tr><td style="text-align: center;">— o — o —</td></tr> <tr><td style="text-align: center;">— — —</td></tr> </table>	— o — o —	— — —
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REVISION	DATE	DESCRIPTION

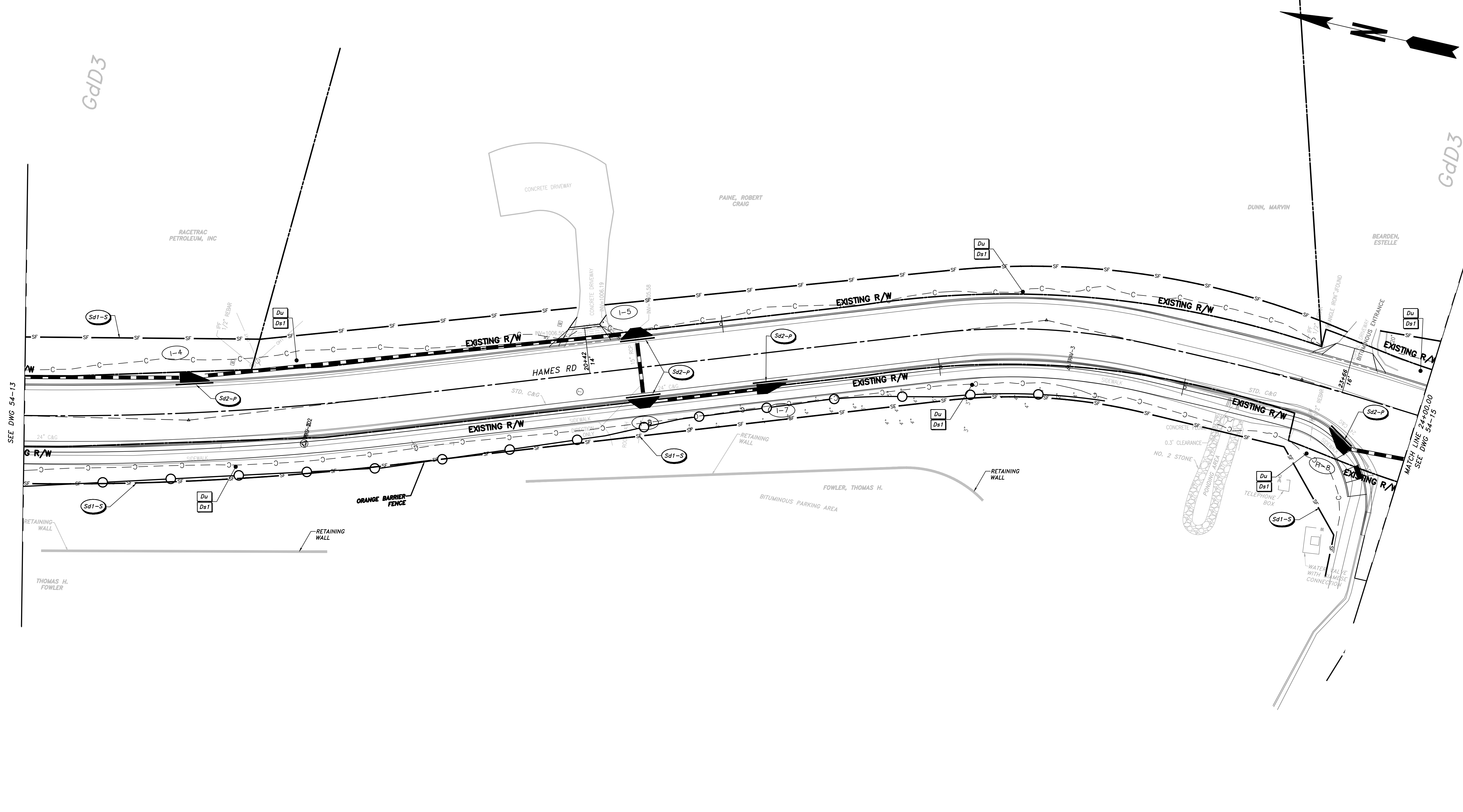
CHEROKEE COUNTY
DEPARTMENT OF TRANSPORTATION

OFFICE:
ES&PC - PHASE II

STA. 12+00 TO STA. 18+00
HAMES ROAD

DRAWING No.
54-13

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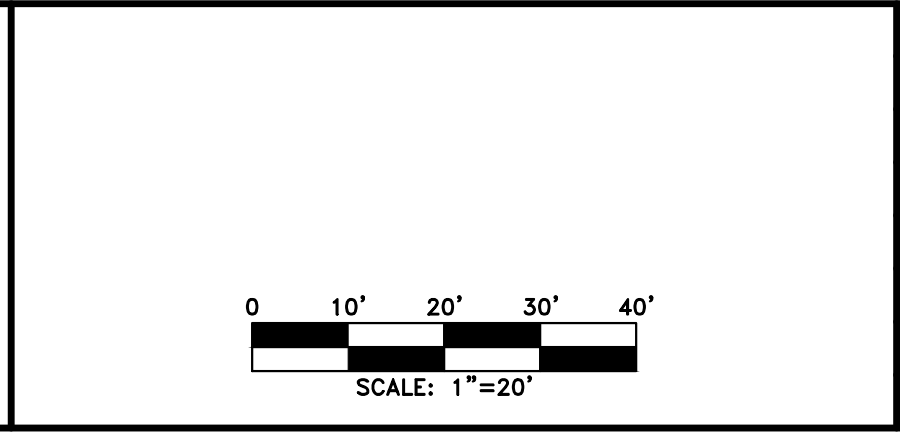


PROPERTY AND EXISTING R/W LINE REQUIRED R/W LINE CONSTRUCTION LIMITS EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES EASEMENT FOR CONSTR OF SLOPES EASEMENT FOR CONSTR OF DRIVES	<table style="width:100%; border-collapse: collapse;"> <tr><td style="text-align: center;">— P —</td></tr> <tr><td style="text-align: center;">— C —</td></tr> <tr><td style="text-align: center;">— F —</td></tr> <tr><td style="text-align: center;">[Hatched Box]</td></tr> <tr><td style="text-align: center;">[Hatched Box]</td></tr> <tr><td style="text-align: center;">[Hatched Box]</td></tr> </table>	— P —	— C —	— F —	[Hatched Box]	[Hatched Box]	[Hatched Box]
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BEGIN LIMIT OF ACCESS.....BLA END LIMIT OF ACCESS.....ELA LIMIT OF ACCESS REQ'D R/W & LIMIT OF ACCESS	<table style="width:100%; border-collapse: collapse;"> <tr><td style="text-align: center;">— o — o —</td></tr> <tr><td style="text-align: center;">— — —</td></tr> </table>	— o — o —	— — —
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REVISION	DATE	DESCRIPTION

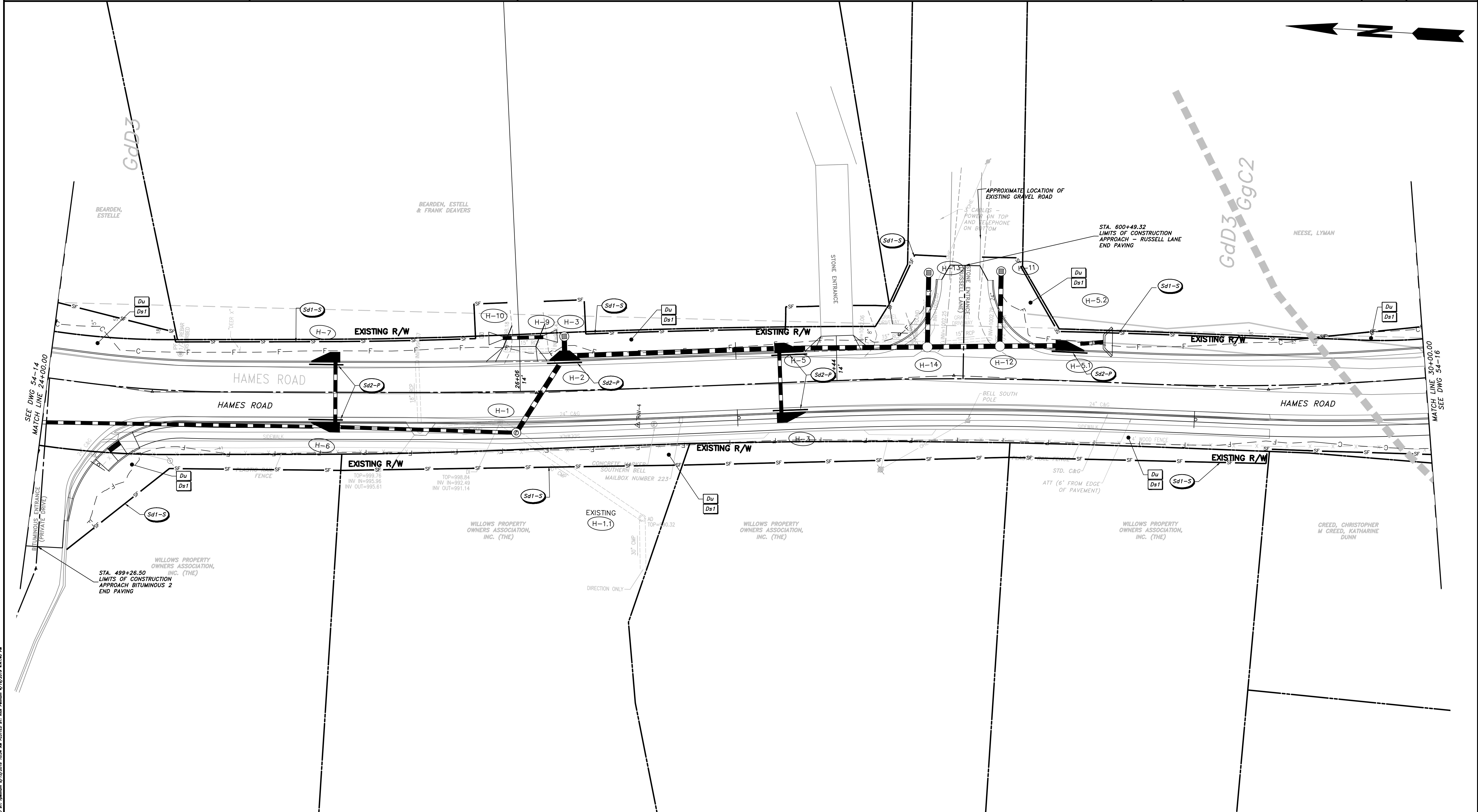
CHEROKEE COUNTY
DEPARTMENT OF TRANSPORTATION

OFFICE:
ES&PC - PHASE II

STA. 18+00 TO 24+00
HAMES ROAD

DRAWING No.
54-14

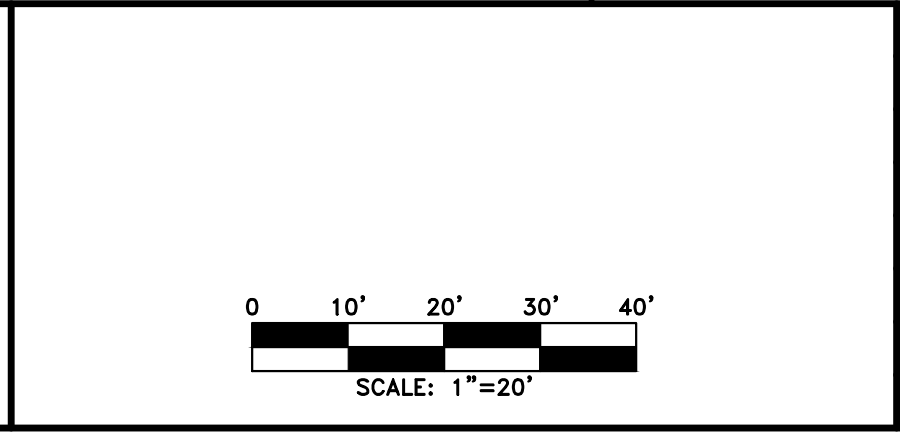
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PROPERTY AND EXISTING R/W LINE	
REQUIRED R/W LINE	
CONSTRUCTION LIMITS	
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES	
EASEMENT FOR CONSTR OF SLOPES	
EASEMENT FOR CONSTR OF DRIVES	

BEGIN LIMIT OF ACCESS.....BLA	
END LIMIT OF ACCESS.....ELA	
LIMIT OF ACCESS	
REQ'D R/W & LIMIT OF ACCESS	
PROPOSED 5' WIDE CONC. SIDEWALK	

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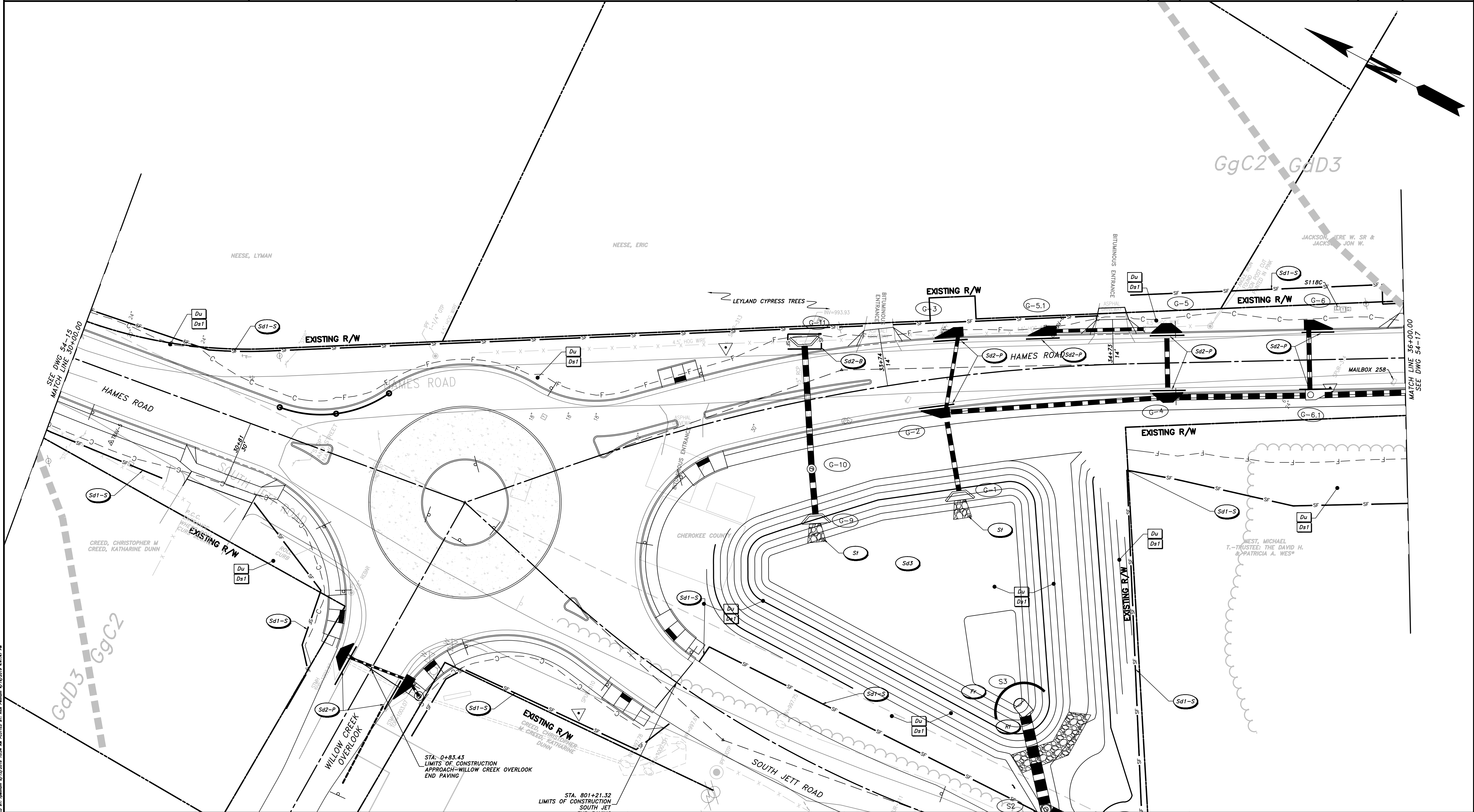


REVISION	DATE	DESCRIPTION

CHEROKEE COUNTY
 DEPARTMENT OF TRANSPORTATION
 OFFICE: ES&PC - PHASE II
 STA. 24+00 TO STA. 30+00
 HAMES ROAD

DRAWING No. 54-15

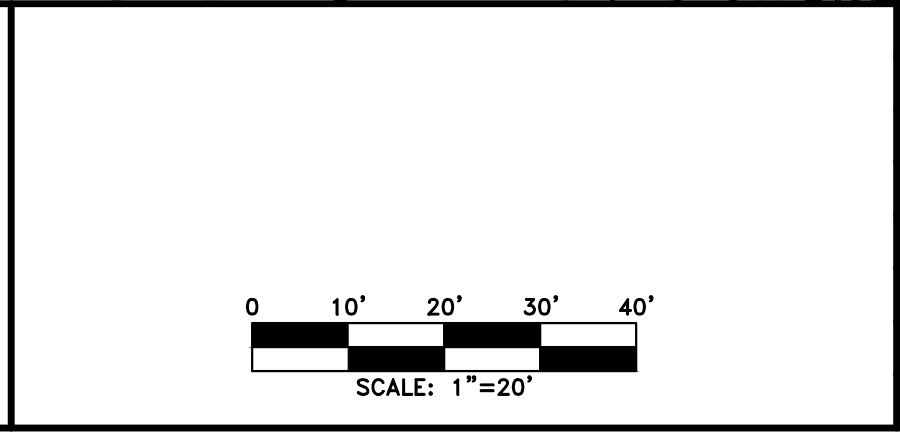
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PROPERTY AND EXISTING R/W LINE	P
REQUIRED R/W LINE	G F
CONSTRUCTION LIMITS	[Hatched Box]
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES	[Hatched Box]
EASEMENT FOR CONSTR OF SLOPES	[Hatched Box]
EASEMENT FOR CONSTR OF DRIVES	[Hatched Box]

BEGIN LIMIT OF ACCESS.....BLA	[Symbol]
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REQ'D R/W & LIMIT OF ACCESS	[Symbol]
PROPOSED 5' WIDE CONC. SIDEWALK	

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REVISION	DATES

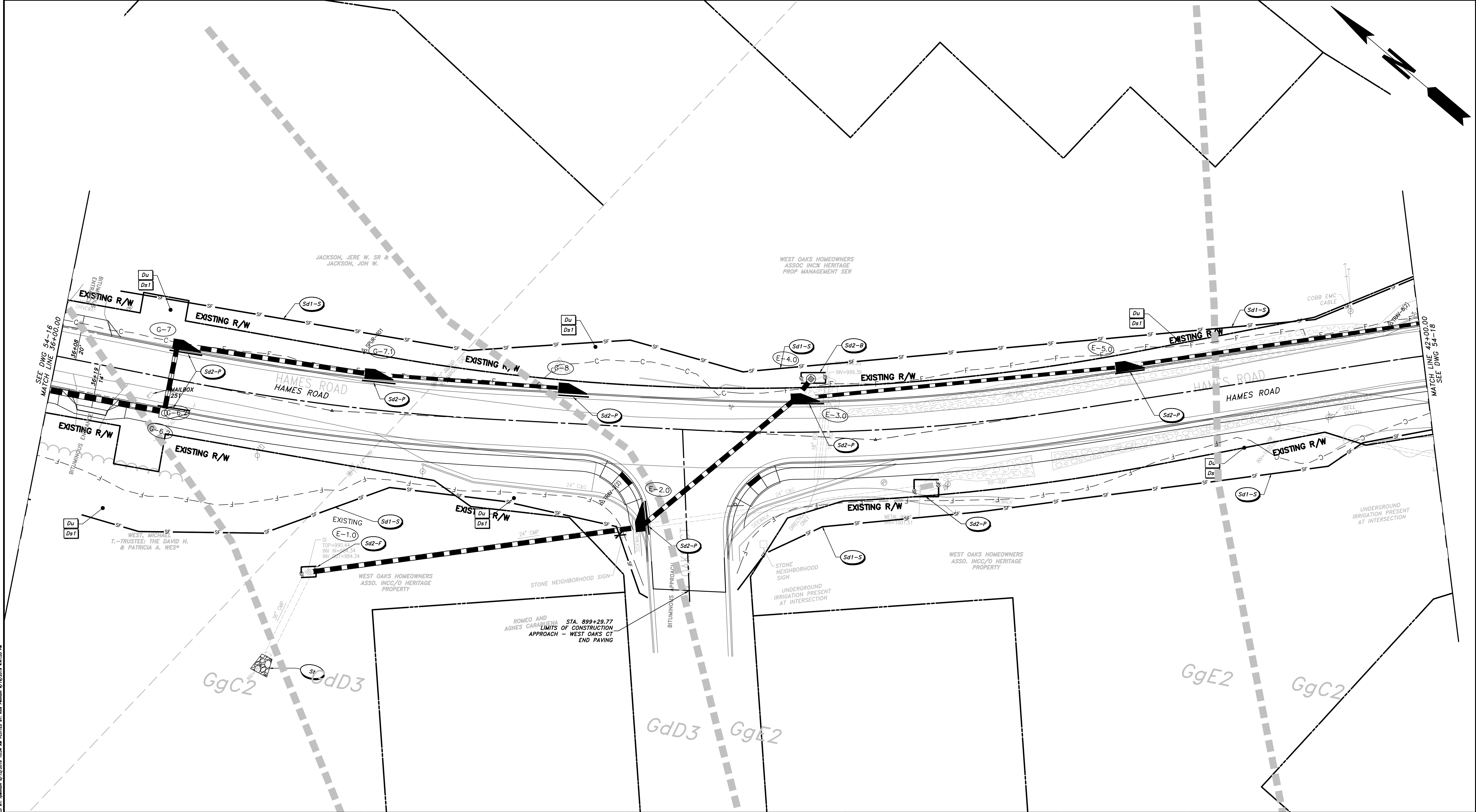
CHEROKEE COUNTY
DEPARTMENT OF TRANSPORTATION

OFFICE:
ES&PC - PHASE II

STA. 30+00 TO STA. 36+00
HAMES ROAD

DRAWING No.
54-16

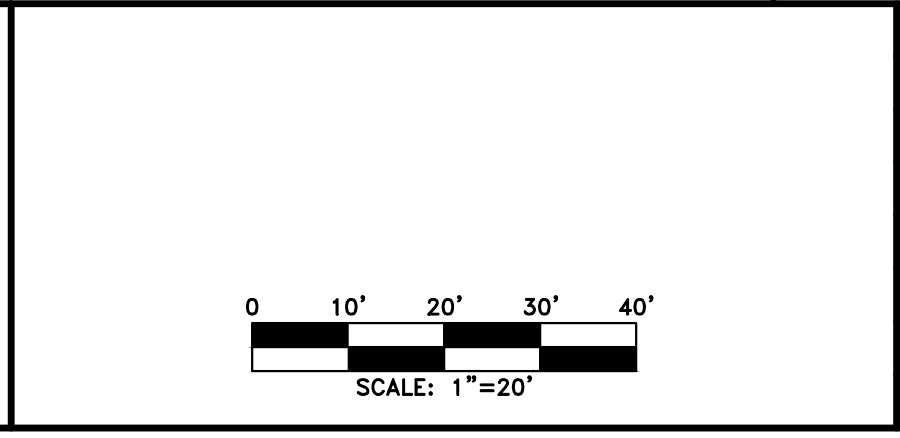
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BEGIN LIMIT OF ACCESS.....BLA END LIMIT OF ACCESS.....ELA LIMIT OF ACCESS REQ'D R/W & LIMIT OF ACCESS	<table style="width:100%; border-collapse: collapse;"> <tr> <td style="text-align: center;">--- ---</td> <td style="width: 20px;"></td> </tr> <tr> <td style="text-align: center;">--- ---</td> <td style="width: 20px;"></td> </tr> <tr> <td style="text-align: center;">--- ---</td> <td style="width: 20px;"></td> </tr> </table>	--- ---		--- ---		--- ---	
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PROPOSED 5' WIDE CONC. SIDEWALK [Solid Black Box]							

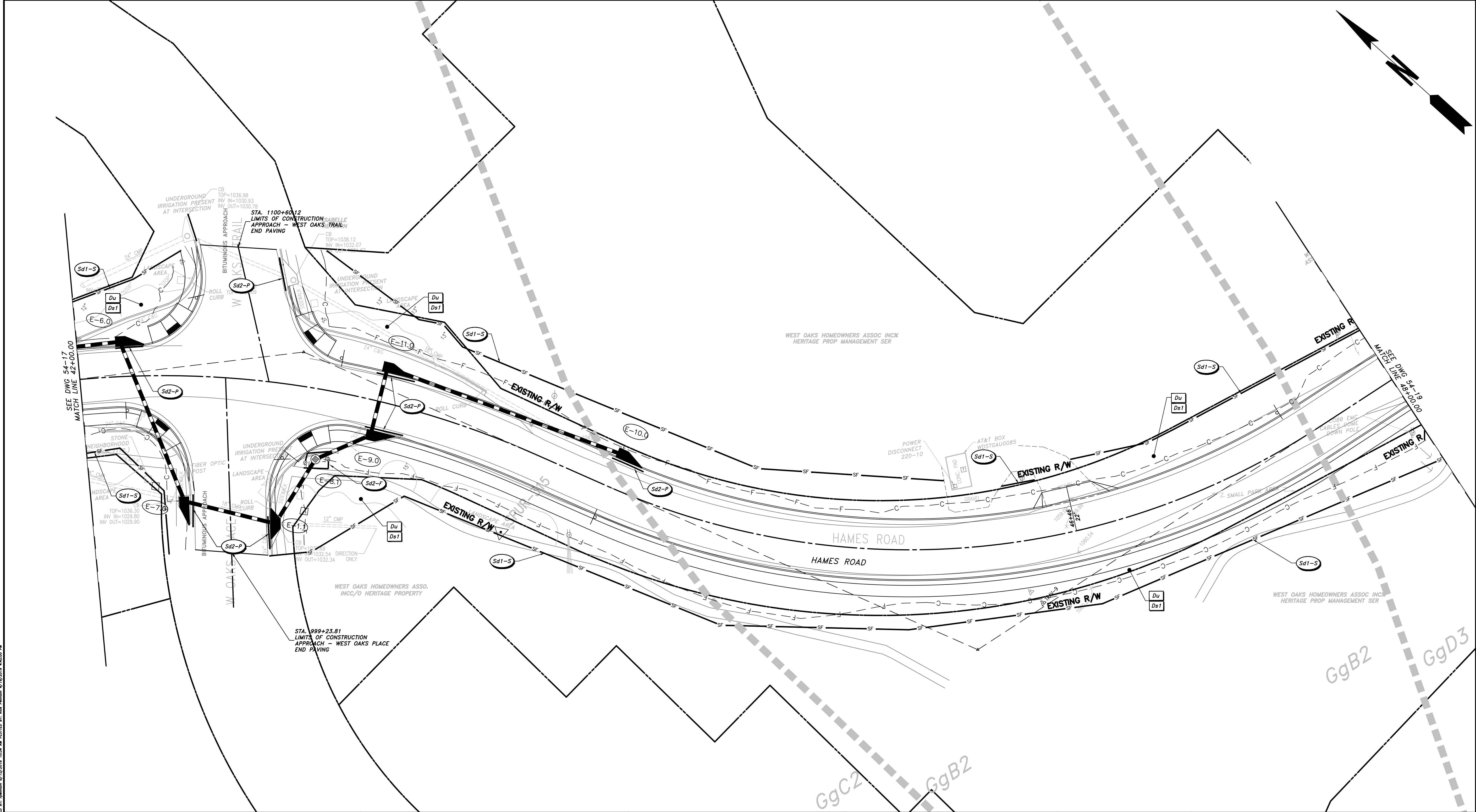
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770.423.0807



NO.	DATE	BY	REVISION

CHEROKEE COUNTY DEPARTMENT OF TRANSPORTATION	
OFFICE: ES&PC - PHASE II	
STA. 36+00 TO STA. 42+00 HAMES ROAD	
	DRAWING No. 54-17

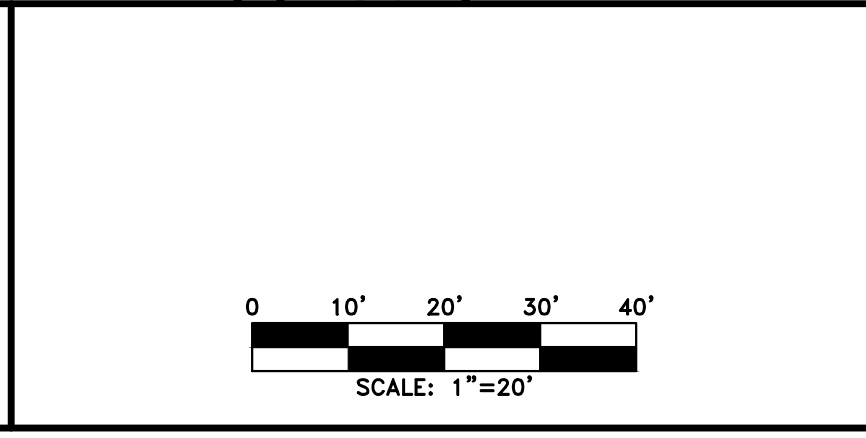
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 Plot Path: \\...



PROPERTY AND EXISTING R/W LINE	
REQUIRED R/W LINE	
CONSTRUCTION LIMITS	
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES	
EASEMENT FOR CONSTR OF SLOPES	
EASEMENT FOR CONSTR OF DRIVES	

BEGIN LIMIT OF ACCESS.....BLA	
END LIMIT OF ACCESS.....ELA	
LIMIT OF ACCESS	
REQ'D R/W & LIMIT OF ACCESS	
PROPOSED 5' WIDE CONC. SIDEWALK	

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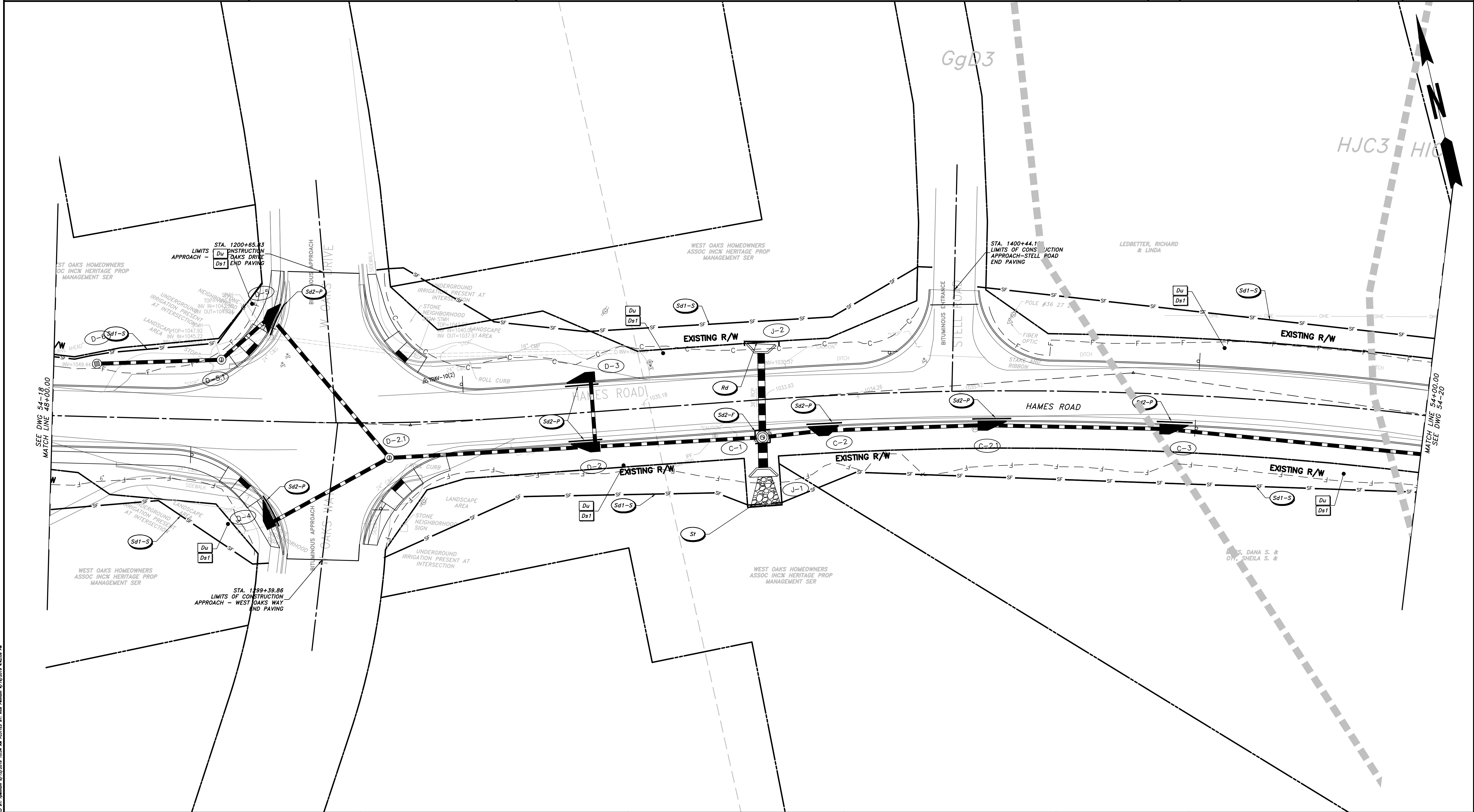
REVISION DATES	

CHEROKEE COUNTY
 DEPARTMENT OF TRANSPORTATION
 OFFICE:
 ES&PC - PHASE II

STA 42+00 TO STA. 48+00
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DRAWING No.
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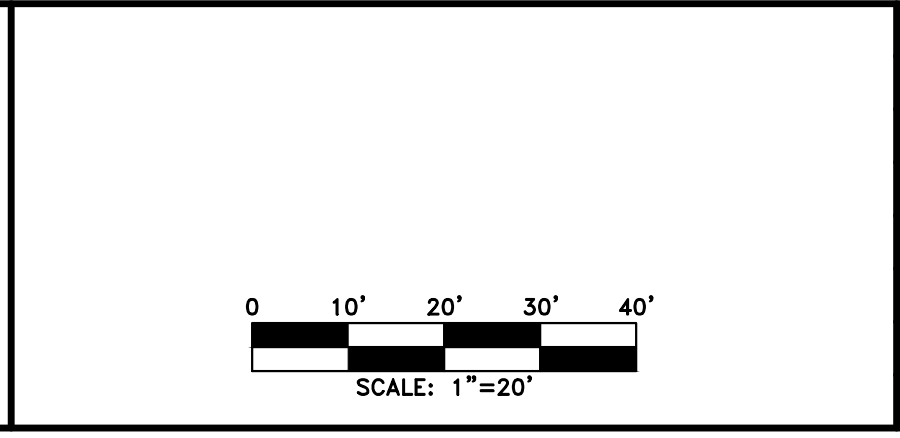
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 04-15-2019



PROPERTY AND EXISTING R/W LINE	— P —
REQUIRED R/W LINE	— F —
CONSTRUCTION LIMITS	— C —
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES	[Hatched Box]
EASEMENT FOR CONSTR OF SLOPES	[Diagonal Hatched Box]
EASEMENT FOR CONSTR OF DRIVES	[Cross-hatched Box]

BEGIN LIMIT OF ACCESS.....BLA	— o — o —
END LIMIT OF ACCESS.....ELA	— o — o —
LIMIT OF ACCESS	— — —
REQ'D R/W & LIMIT OF ACCESS	— — —
PROPOSED 5' WIDE CONC. SIDEWALK	[Solid Black Box]

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REVISION	DATE	BY	CHECKED	DESCRIPTION

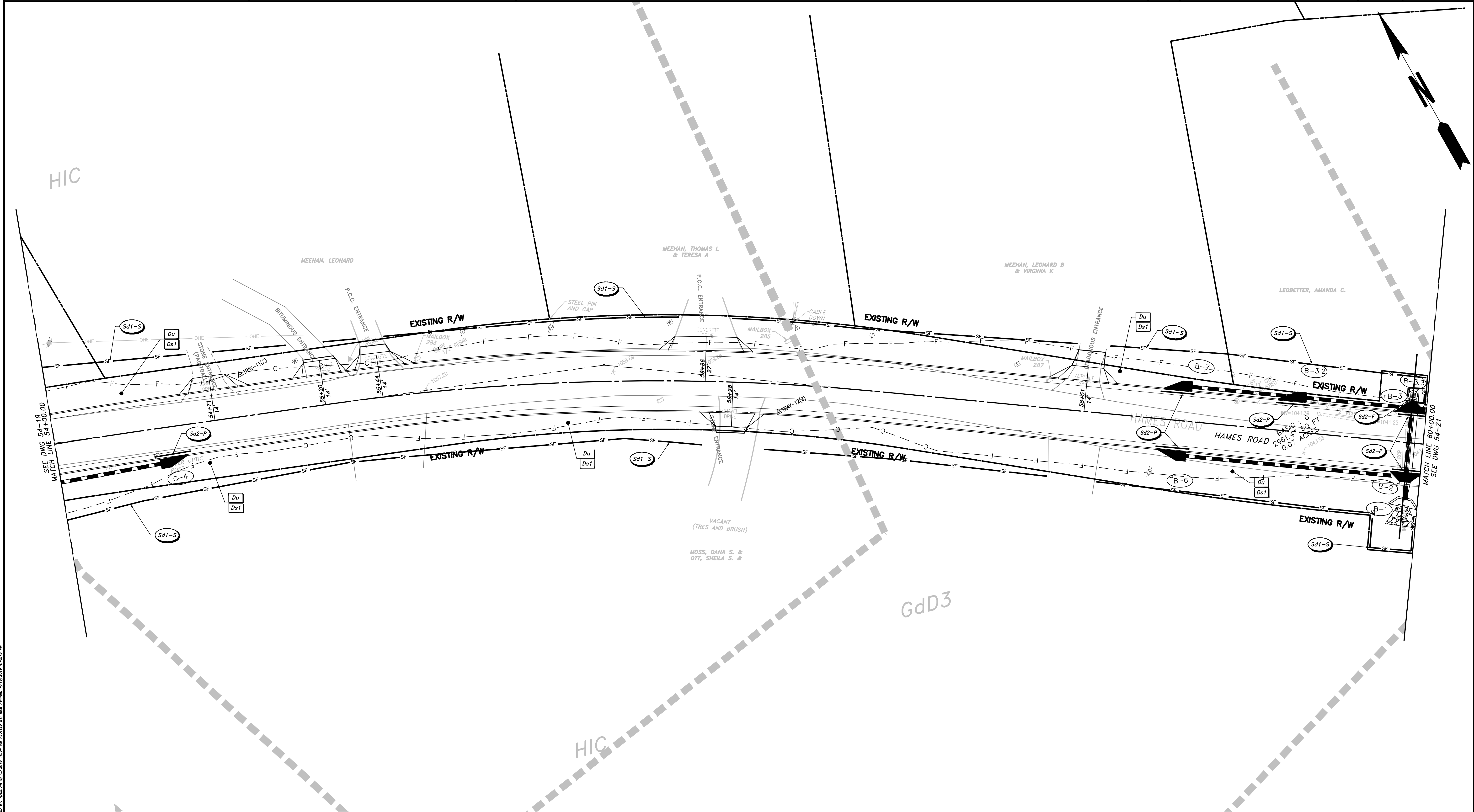
CHEROKEE COUNTY
DEPARTMENT OF TRANSPORTATION

OFFICE:
ES&PC - PHASE II

STA. 48+00 TO STA. 54+00
HAMES ROAD

DRAWING No.	54-19
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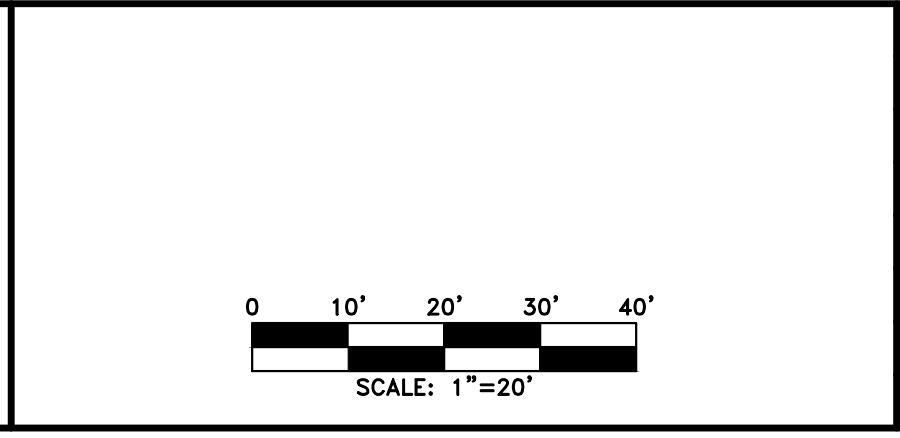
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PROPERTY AND EXISTING R/W LINE REQUIRED R/W LINE CONSTRUCTION LIMITS EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES EASEMENT FOR CONSTR OF SLOPES EASEMENT FOR CONSTR OF DRIVES	<table style="width:100%; border-collapse: collapse;"> <tr><td style="text-align: center;">— P —</td></tr> <tr><td style="text-align: center;">— G — F —</td></tr> <tr><td style="text-align: center;">[Hatched Box]</td></tr> <tr><td style="text-align: center;">[Hatched Box]</td></tr> <tr><td style="text-align: center;">[Hatched Box]</td></tr> </table>	— P —	— G — F —	[Hatched Box]	[Hatched Box]	[Hatched Box]
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— G — F —						
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BEGIN LIMIT OF ACCESS.....BLA END LIMIT OF ACCESS.....ELA LIMIT OF ACCESS REQ'D R/W & LIMIT OF ACCESS	<table style="width:100%; border-collapse: collapse;"> <tr><td style="text-align: center;">— o — o —</td></tr> <tr><td style="text-align: center;">— — —</td></tr> </table>	— o — o —	— — —
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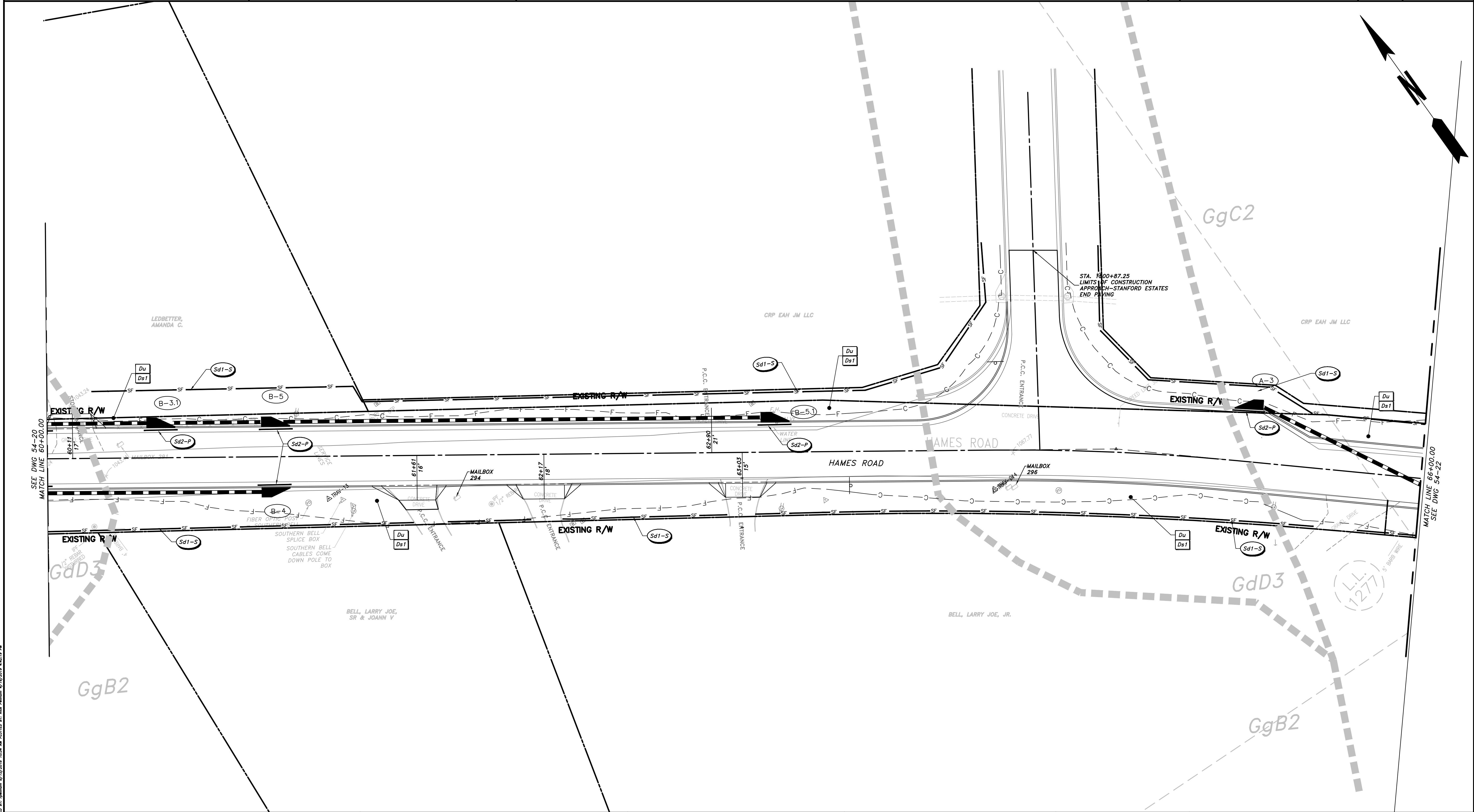
REVISION	DATE	DESCRIPTION

CHEROKEE COUNTY
 DEPARTMENT OF TRANSPORTATION
 OFFICE:
 ES&PC - PHASE II

STA. 54+00 TO STA. 60+00
 HAMES ROAD

DRAWING No.
54-20

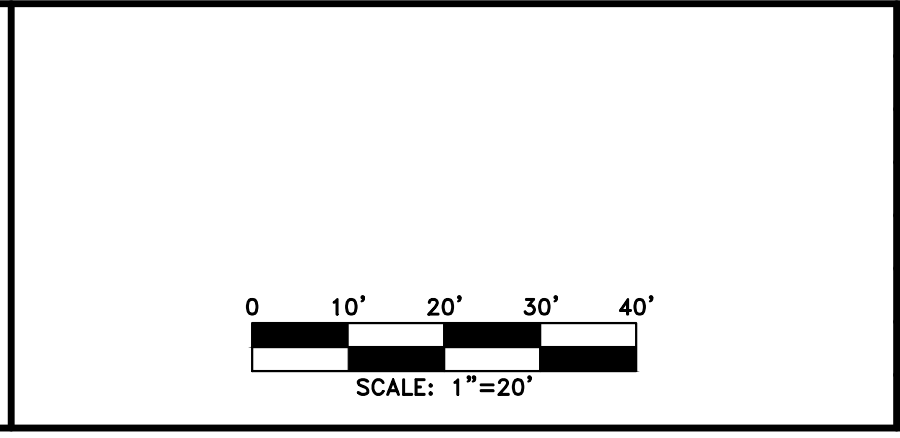
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PROPERTY AND EXISTING R/W LINE REQUIRED R/W LINE CONSTRUCTION LIMITS EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES EASEMENT FOR CONSTR OF SLOPES EASEMENT FOR CONSTR OF DRIVES	
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BEGIN LIMIT OF ACCESS.....BLA END LIMIT OF ACCESS.....ELA LIMIT OF ACCESS REQ'D R/W & LIMIT OF ACCESS	
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REVISION	DATE	DESCRIPTION

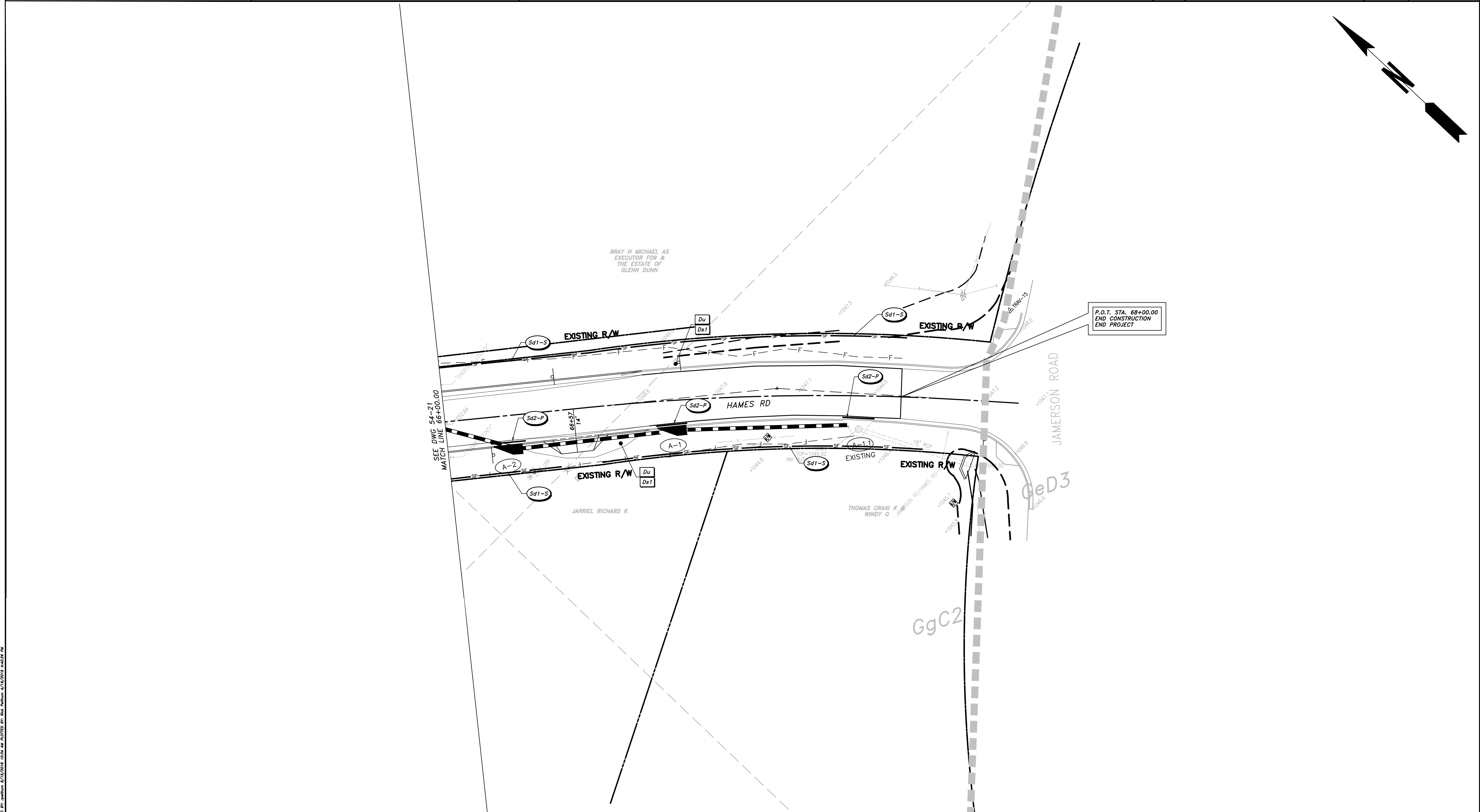
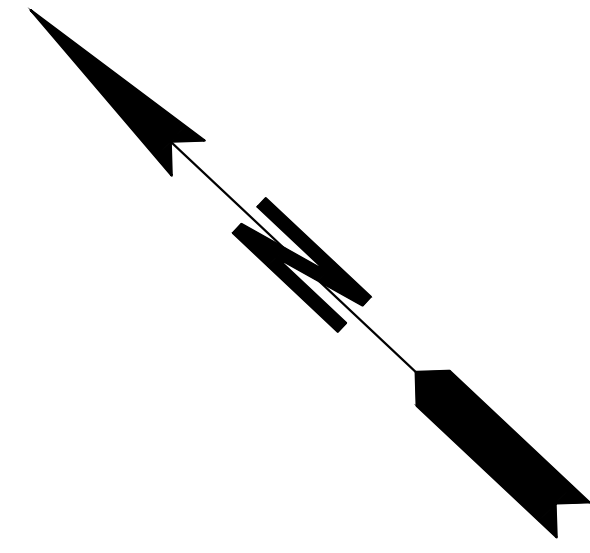
CHEROKEE COUNTY
DEPARTMENT OF TRANSPORTATION

OFFICE:
ES&PC - PHASE II

STA. 60+00 TO STA. 66+00
HAMES ROAD

DRAWING No.
54-21

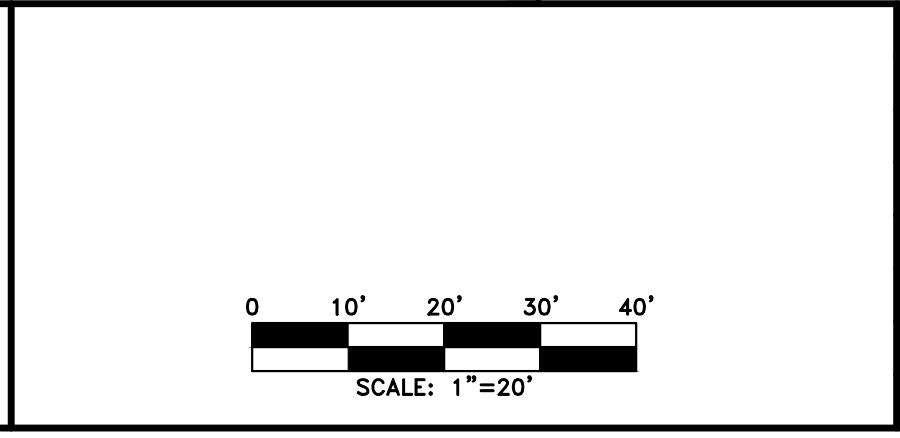
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PROPERTY AND EXISTING R/W LINE REQUIRED R/W LINE CONSTRUCTION LIMITS EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES EASEMENT FOR CONSTR OF SLOPES EASEMENT FOR CONSTR OF DRIVES	<table style="width:100%; border-collapse: collapse;"> <tr><td style="text-align: center;">— P —</td></tr> <tr><td style="text-align: center;">— G — F —</td></tr> <tr><td style="text-align: center;">[Hatched Box]</td></tr> <tr><td style="text-align: center;">[Hatched Box]</td></tr> <tr><td style="text-align: center;">[Cross-hatched Box]</td></tr> </table>	— P —	— G — F —	[Hatched Box]	[Hatched Box]	[Cross-hatched Box]
— P —						
— G — F —						
[Hatched Box]						
[Hatched Box]						
[Cross-hatched Box]						

BEGIN LIMIT OF ACCESS.....BLA END LIMIT OF ACCESS.....ELA LIMIT OF ACCESS REQ'D R/W & LIMIT OF ACCESS PROPOSED 5' WIDE CONC. SIDEWALK	<table style="width:100%; border-collapse: collapse;"> <tr><td style="text-align: center;">— o — o —</td></tr> <tr><td style="text-align: center;">— — —</td></tr> <tr><td style="text-align: center;">[Solid Black Box]</td></tr> </table>	— o — o —	— — —	[Solid Black Box]
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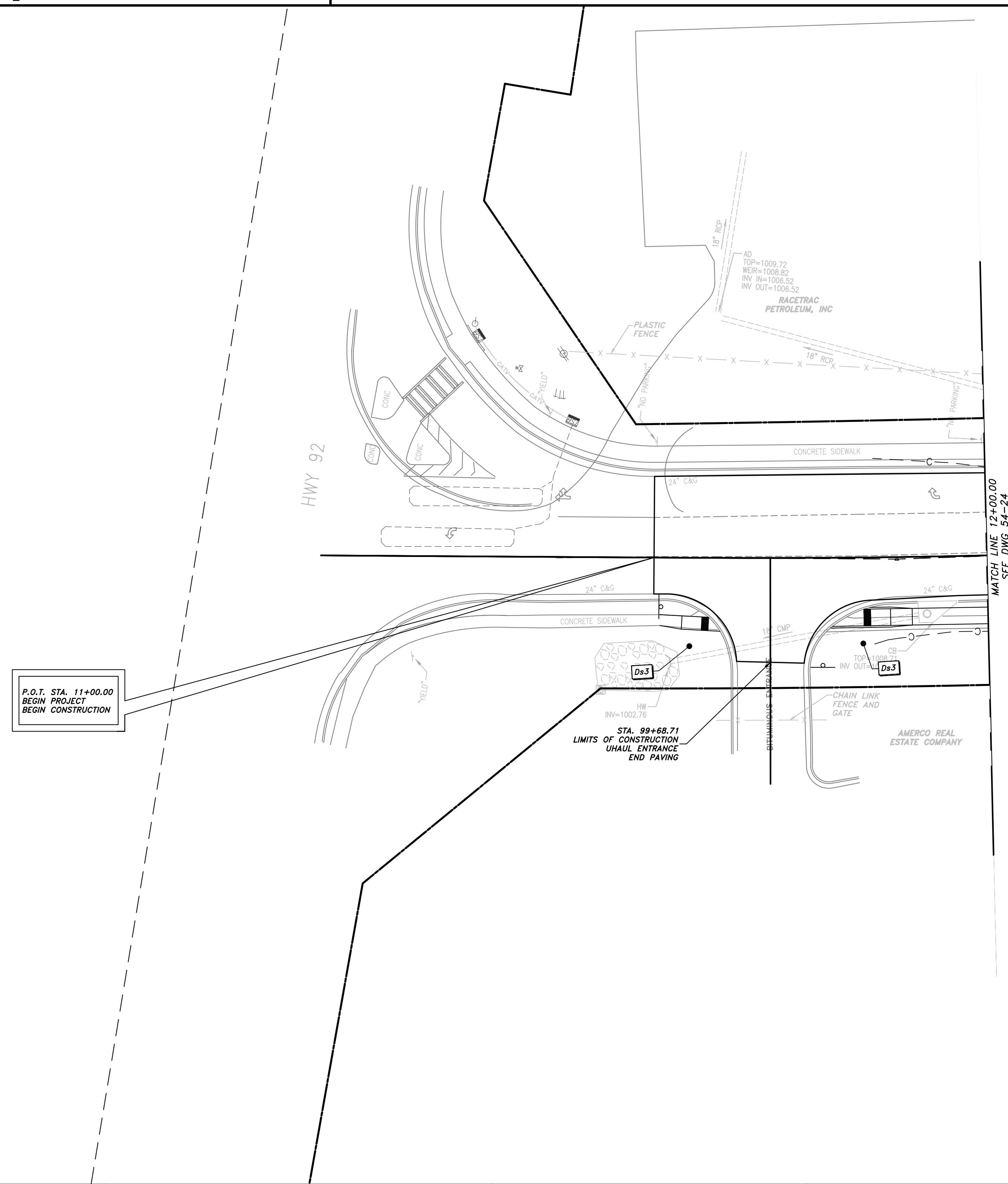
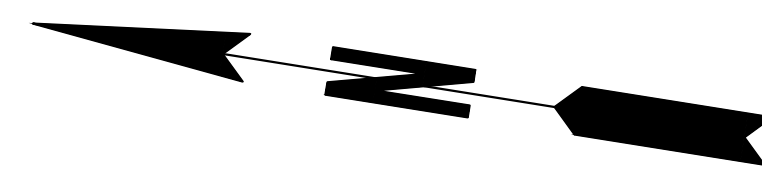
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REVISION	DATE	DESCRIPTION

CHEROKEE COUNTY DEPARTMENT OF TRANSPORTATION OFFICE: ES&PC - PHASE II STA. 66+00 TO STA. 68+48.35 HAMES ROAD	DRAWING No. 54-22
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THE MARIETTA, GA 30067
 04-15-2019



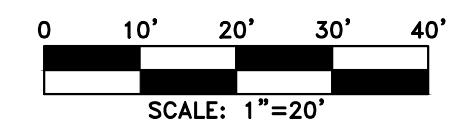
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BEGIN PROJECT
BEGIN CONSTRUCTION

STA. 99+68.71
LIMITS OF CONSTRUCTION
UHAUL ENTRANCE
END PAVING

PROPERTY AND EXISTING R/W LINE	— P —
REQUIRED R/W LINE	— G —
CONSTRUCTION LIMITS	— F —
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES	[Hatched Box]
EASEMENT FOR CONSTR OF SLOPES	[Hatched Box]
EASEMENT FOR CONSTR OF DRIVES	[Hatched Box]

BEGIN LIMIT OF ACCESS.....BLA	— o — o —
END LIMIT OF ACCESS.....ELA	— o — o —
LIMIT OF ACCESS	— — —
REQ'D R/W & LIMIT OF ACCESS	— — —
PROPOSED 5' WIDE CONC. SIDEWALK [Hatched Box]	

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REVISION DATES		

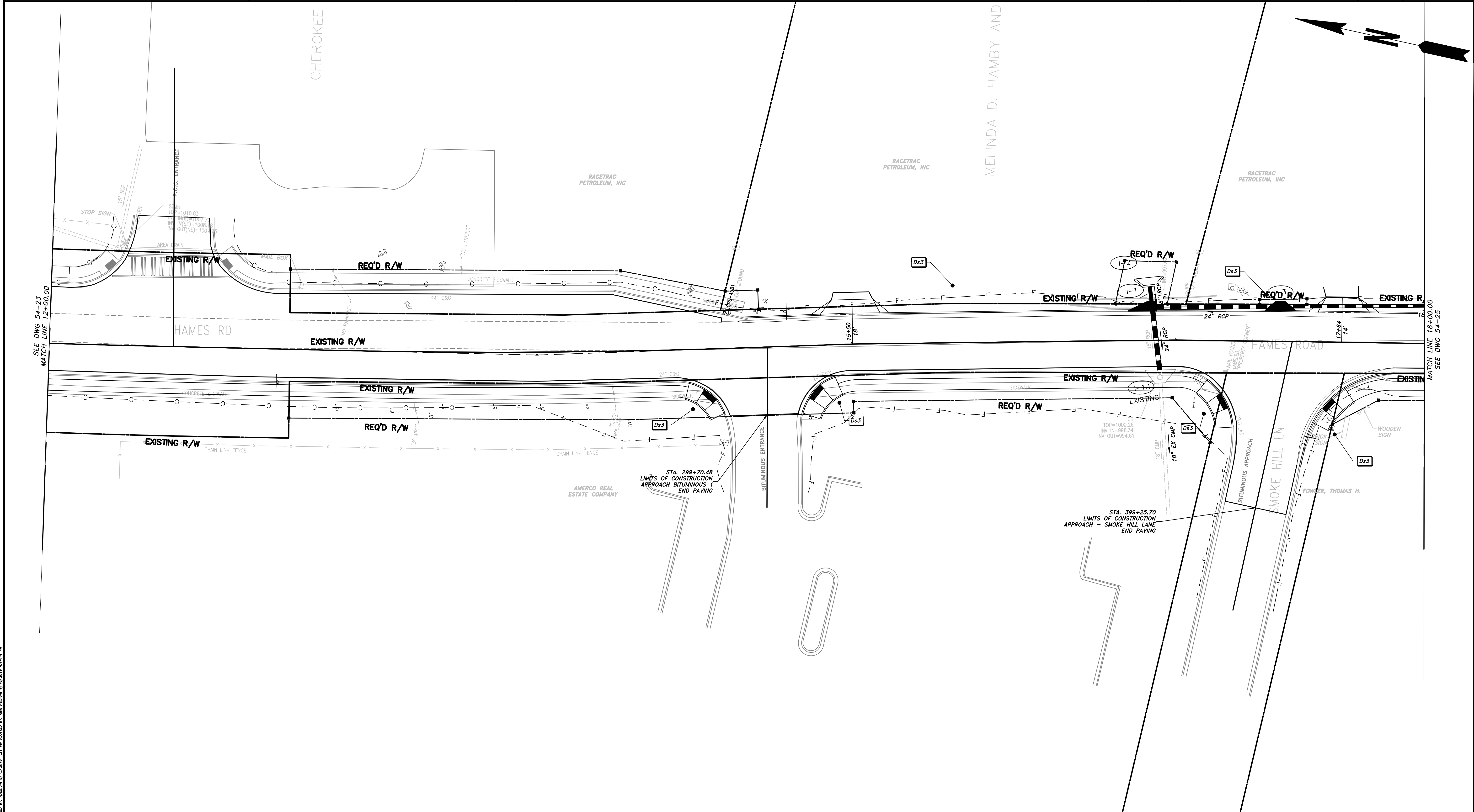
CHEROKEE COUNTY
DEPARTMENT OF TRANSPORTATION

OFFICE: ES&PC - PHASE III

STA. 10+00 TO STA 12+00
HAMES ROAD

DRAWING No.	54-23
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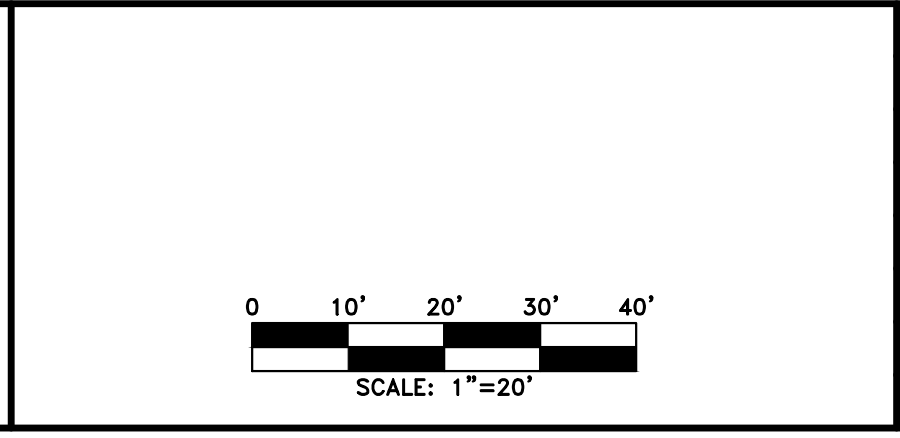
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PROPERTY AND EXISTING R/W LINE	
REQUIRED R/W LINE	
CONSTRUCTION LIMITS	
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES	
EASEMENT FOR CONSTR OF SLOPES	
EASEMENT FOR CONSTR OF DRIVES	

BEGIN LIMIT OF ACCESS.....BLA	
END LIMIT OF ACCESS.....ELA	
LIMIT OF ACCESS	
REQ'D R/W & LIMIT OF ACCESS	
PROPOSED 5' WIDE CONC. SIDEWALK	

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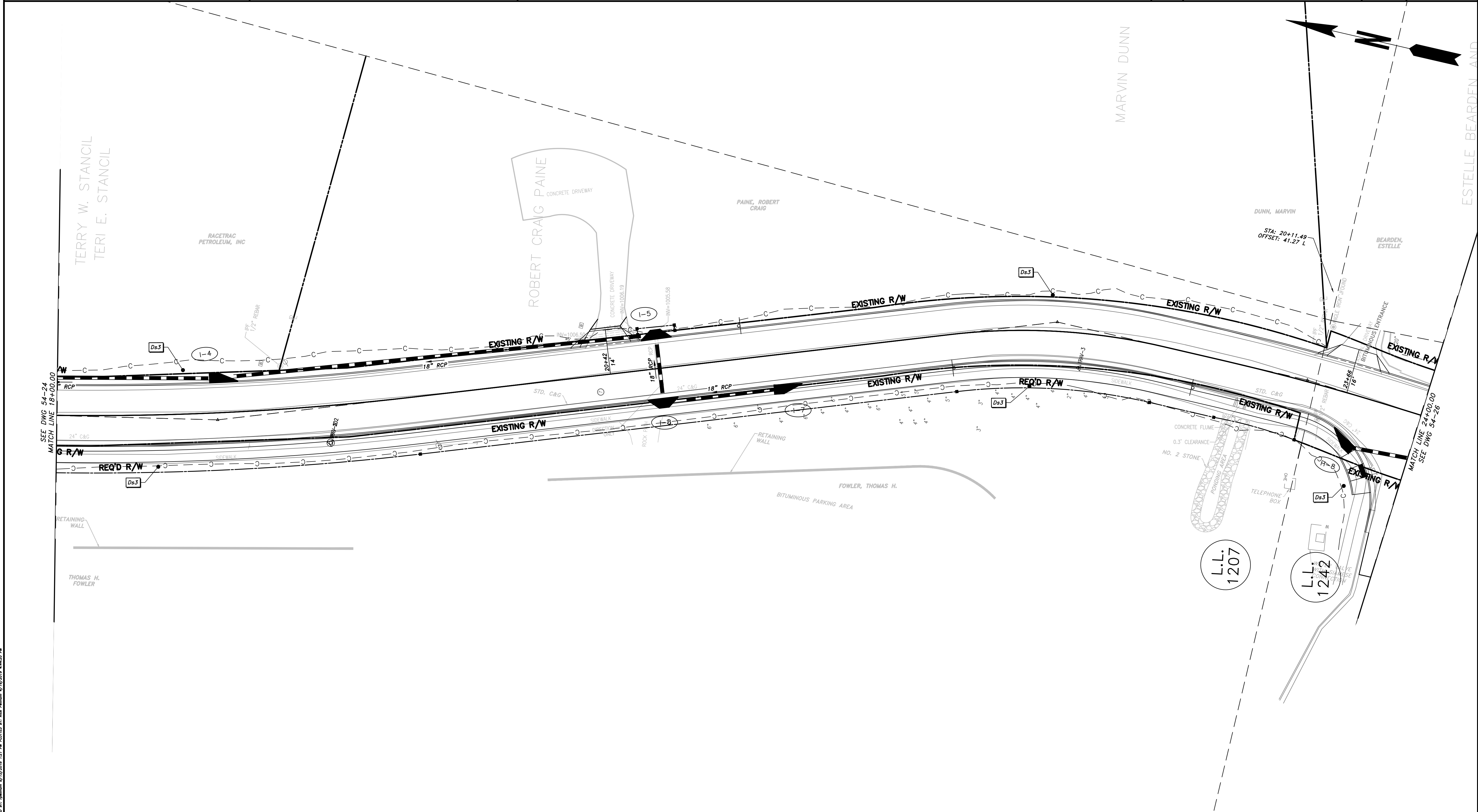


REVISION	DATE	DESCRIPTION

CHEROKEE COUNTY
 DEPARTMENT OF TRANSPORTATION
 OFFICE:
 ES&PC - PHASE III
 STA. 12+00 TO STA. 18+00
 HAMES ROAD

DRAWING No.
54-24

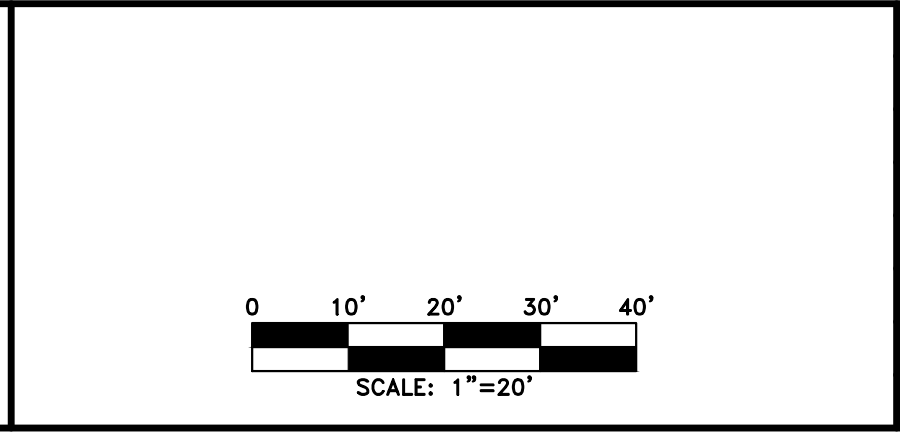
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PROPERTY AND EXISTING R/W LINE REQUIRED R/W LINE CONSTRUCTION LIMITS EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES EASEMENT FOR CONSTR OF SLOPES EASEMENT FOR CONSTR OF DRIVES	<table style="width:100%; border-collapse: collapse;"> <tr> <td style="text-align: center;">— P —</td> </tr> <tr> <td style="text-align: center;">— C — F —</td> </tr> <tr> <td style="text-align: center;"> </td> </tr> <tr> <td style="text-align: center;"> </td> </tr> <tr> <td style="text-align: center;"> </td> </tr> </table>	— P —	— C — F —			
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BEGIN LIMIT OF ACCESS.....BLA END LIMIT OF ACCESS.....ELA LIMIT OF ACCESS REQ'D R/W & LIMIT OF ACCESS	<table style="width:100%; border-collapse: collapse;"> <tr> <td style="text-align: center;">— o — o —</td> </tr> <tr> <td style="text-align: center;">— — —</td> </tr> </table>	— o — o —	— — —
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PROPOSED 5' WIDE CONC. SIDEWALK			

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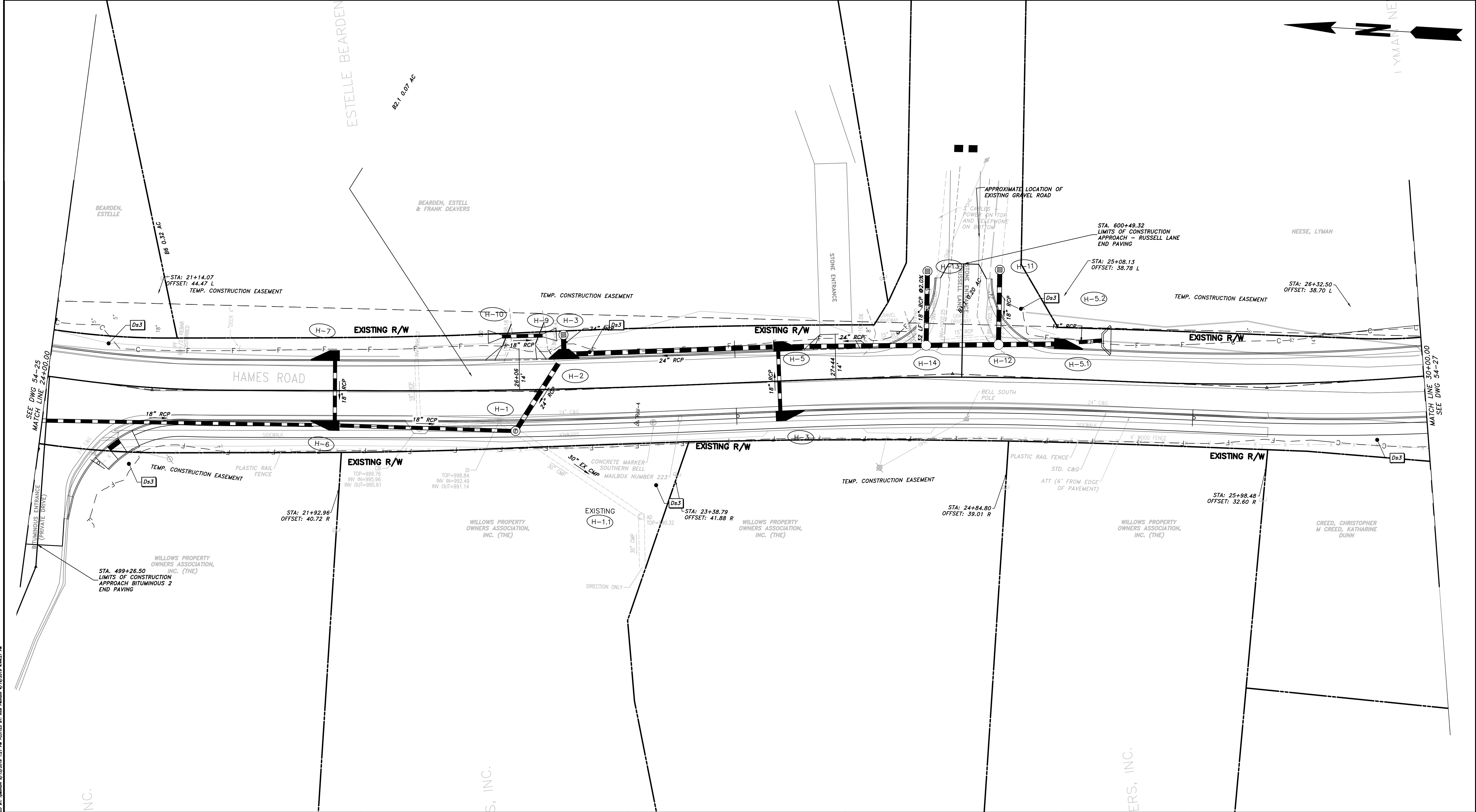
NO.	DATE	BY	REVISION

CHEROKEE COUNTY
 DEPARTMENT OF TRANSPORTATION
 OFFICE:
 ES&PC - PHASE III

STA. 18+00 TO 24+00
 HAMES ROAD

DRAWING No.
54-25

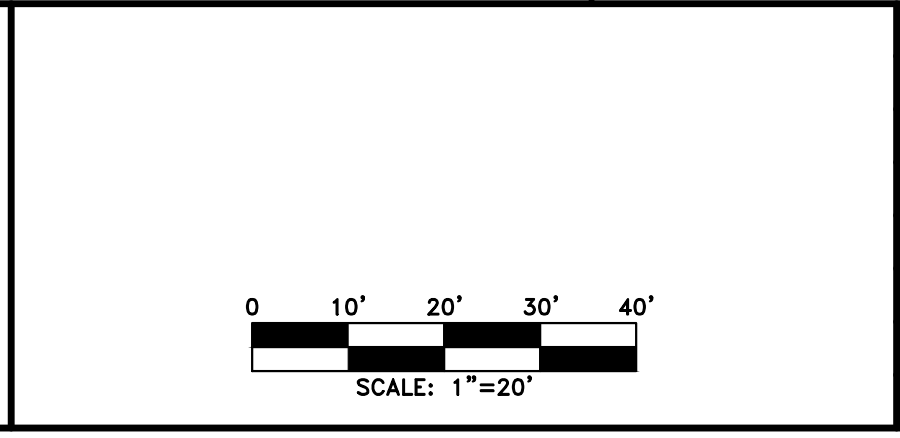
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PROPERTY AND EXISTING R/W LINE	
REQUIRED R/W LINE	
CONSTRUCTION LIMITS	
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES	
EASEMENT FOR CONSTR OF SLOPES	
EASEMENT FOR CONSTR OF DRIVES	

BEGIN LIMIT OF ACCESS.....BLA	
END LIMIT OF ACCESS.....ELA	
LIMIT OF ACCESS	
REQ'D R/W & LIMIT OF ACCESS	
PROPOSED 5' WIDE CONC. SIDEWALK	

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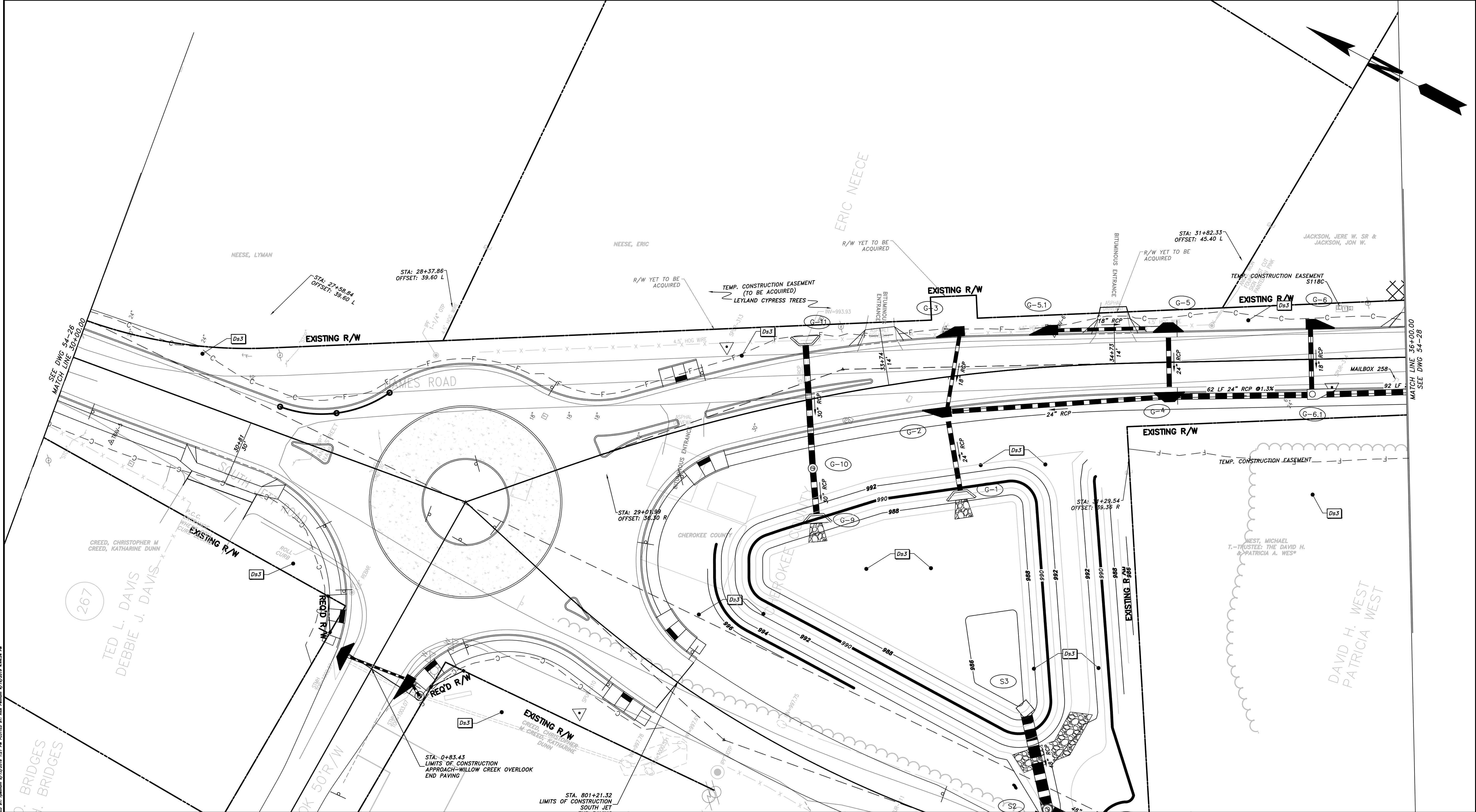


REVISION	DATE	DESCRIPTION

CHEROKEE COUNTY
 DEPARTMENT OF TRANSPORTATION
 OFFICE: ES&PC - PHASE III
 STA. 24+00 TO STA. 30+00
 HAMES ROAD

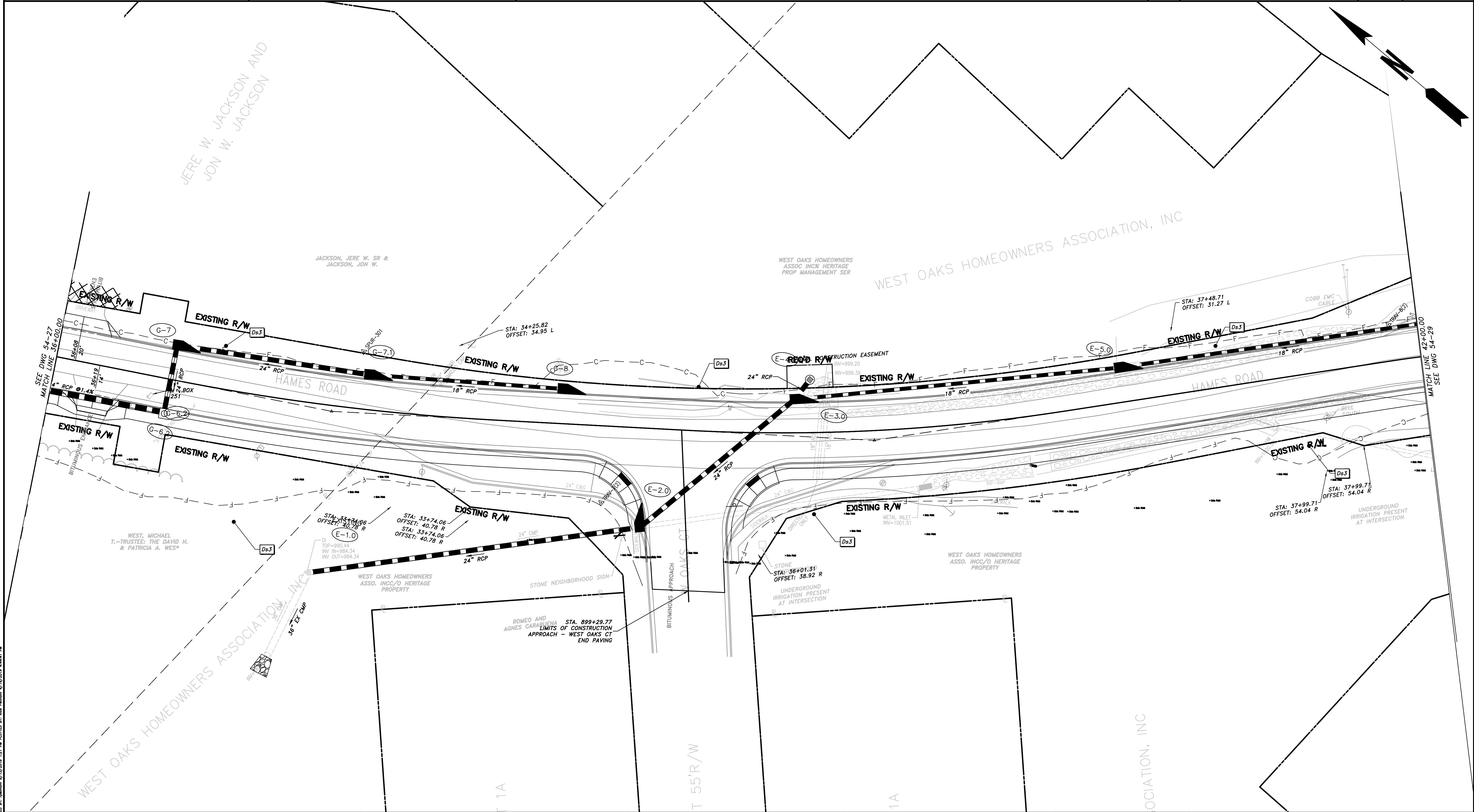
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<p>PROPERTY AND EXISTING R/W LINE REQUIRED R/W LINE CONSTRUCTION LIMITS EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES EASEMENT FOR CONSTR OF SLOPES EASEMENT FOR CONSTR OF DRIVES</p>	<p>BEGIN LIMIT OF ACCESS.....BLA END LIMIT OF ACCESS.....ELA LIMIT OF ACCESS REQ'D R/W & LIMIT OF ACCESS</p> <p>PROPOSED 5' WIDE CONC. SIDEWALK</p>	<p>ATWELL 866.850.4200 www.atwell-group.com 1800 PARKWAY PLACE, SUITE 700 MARIETTA, GA 770.423.0807</p>	<p>SCALE: 1"=20'</p>	<p>REVISION DATES</p> <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> </table>																	<p style="text-align: center;">CHEROKEE COUNTY DEPARTMENT OF TRANSPORTATION</p> <p>OFFICE: ES&PC - PHASE III</p> <p style="text-align: center;">STA. 30+00 TO STA. 36+00 HAMES ROAD</p>	<p>DRAWING No. 54-27</p>

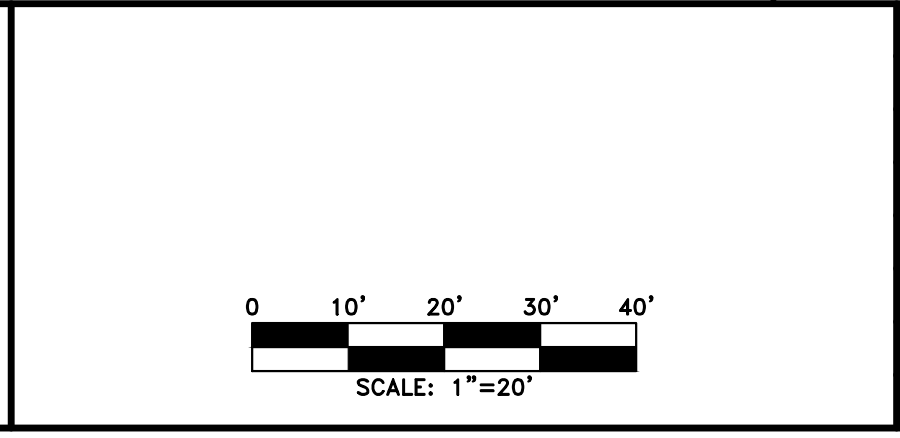
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PROPERTY AND EXISTING R/W LINE REQUIRED R/W LINE CONSTRUCTION LIMITS EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES EASEMENT FOR CONSTR OF SLOPES EASEMENT FOR CONSTR OF DRIVES	<table style="width:100%; border-collapse: collapse;"> <tr> <td style="text-align: center;">E</td> <td style="text-align: center;">—</td> </tr> <tr> <td style="text-align: center;">G</td> <td style="text-align: center;">—</td> </tr> <tr> <td style="text-align: center;">F</td> <td style="text-align: center;">—</td> </tr> <tr> <td style="text-align: center;">[Hatched Box]</td> <td style="text-align: center;">[Hatched Box]</td> </tr> <tr> <td style="text-align: center;">[Hatched Box]</td> <td style="text-align: center;">[Hatched Box]</td> </tr> <tr> <td style="text-align: center;">[Hatched Box]</td> <td style="text-align: center;">[Hatched Box]</td> </tr> </table>	E	—	G	—	F	—	[Hatched Box]	[Hatched Box]	[Hatched Box]	[Hatched Box]	[Hatched Box]	[Hatched Box]
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G	—												
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BEGIN LIMIT OF ACCESS.....BLA END LIMIT OF ACCESS.....ELA LIMIT OF ACCESS REQ'D R/W & LIMIT OF ACCESS	<table style="width:100%; border-collapse: collapse;"> <tr> <td style="text-align: center;">—</td> <td style="text-align: center;">—</td> </tr> <tr> <td style="text-align: center;">—</td> <td style="text-align: center;">—</td> </tr> <tr> <td style="text-align: center;">—</td> <td style="text-align: center;">—</td> </tr> </table>	—	—	—	—	—	—
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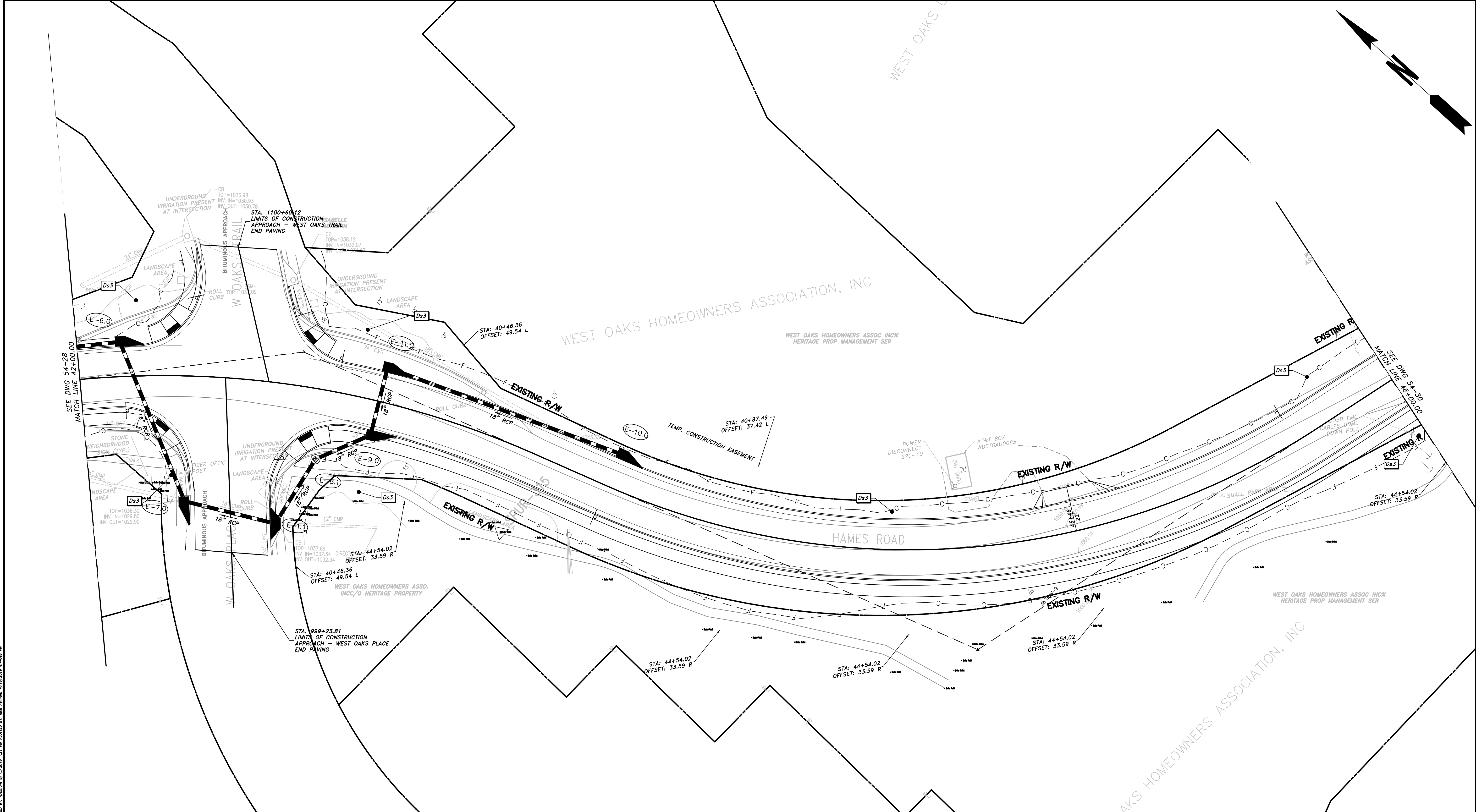
REVISION	DATE	DESCRIPTION

CHEROKEE COUNTY
DEPARTMENT OF TRANSPORTATION

OFFICE:
ES&PC - PHASE III

STA. 36+00 TO STA. 42+00
HAMES ROAD

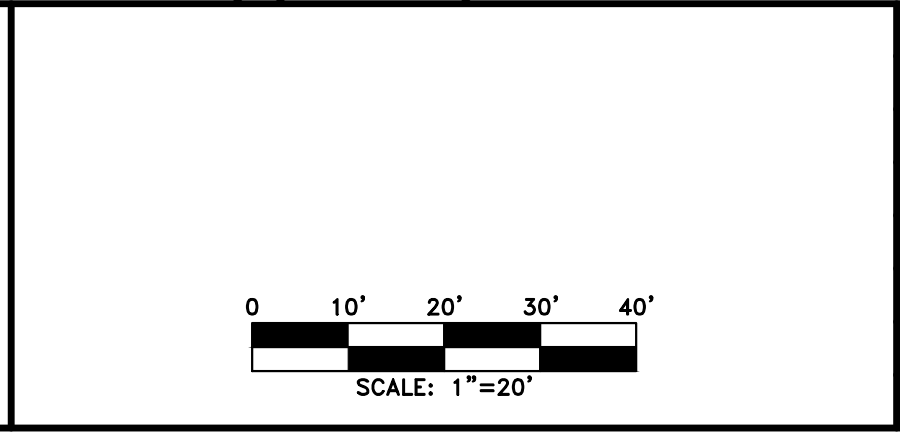
DRAWING No.
54-28



PROPERTY AND EXISTING R/W LINE	
REQUIRED R/W LINE	
CONSTRUCTION LIMITS	
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES	
EASEMENT FOR CONSTR OF SLOPES	
EASEMENT FOR CONSTR OF DRIVES	

BEGIN LIMIT OF ACCESS.....BLA	
END LIMIT OF ACCESS.....ELA	
LIMIT OF ACCESS	
REQ'D R/W & LIMIT OF ACCESS	
PROPOSED 5' WIDE CONC. SIDEWALK	

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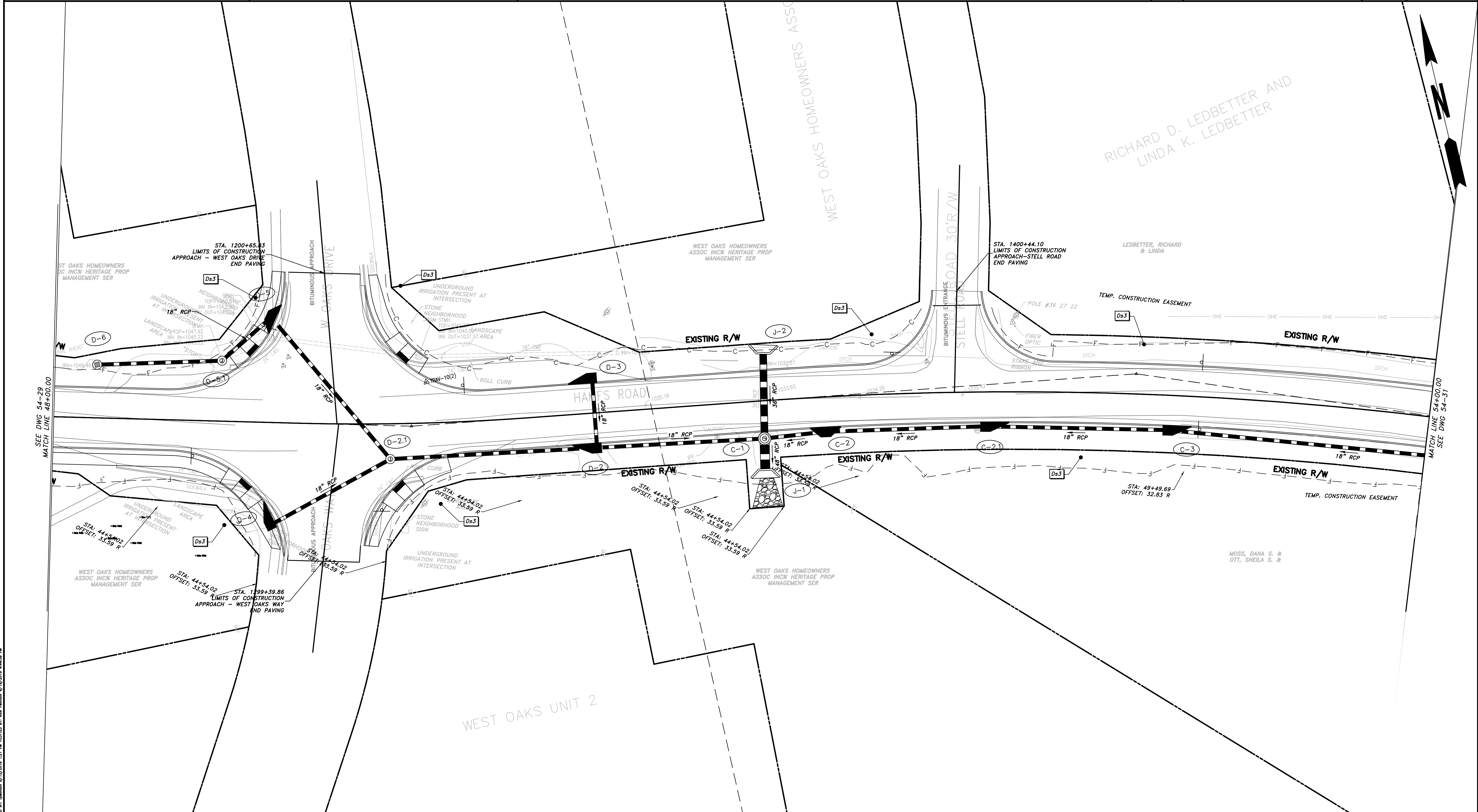
REVISION	DATE	DESCRIPTION

CHEROKEE COUNTY
 DEPARTMENT OF TRANSPORTATION
 OFFICE:
 ES&PC - PHASE III

STA 42+00 TO STA. 48+00
 HOMES ROAD

DRAWING No.
 54-29

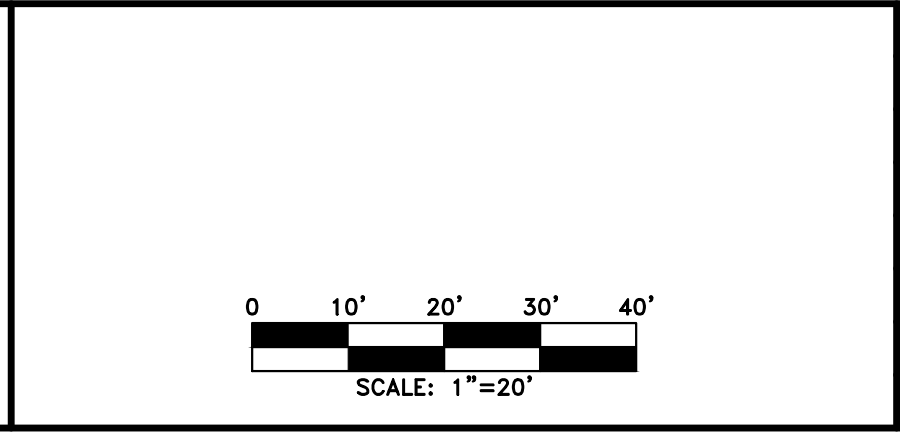
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PROPERTY AND EXISTING R/W LINE REQUIRED R/W LINE CONSTRUCTION LIMITS EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES EASEMENT FOR CONSTR OF SLOPES EASEMENT FOR CONSTR OF DRIVES	
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BEGIN LIMIT OF ACCESS.....BLA END LIMIT OF ACCESS.....ELA LIMIT OF ACCESS REQ'D R/W & LIMIT OF ACCESS	
PROPOSED 5' WIDE CONC. SIDEWALK	

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REVISION	DATE	BY	CHECKED	DESCRIPTION

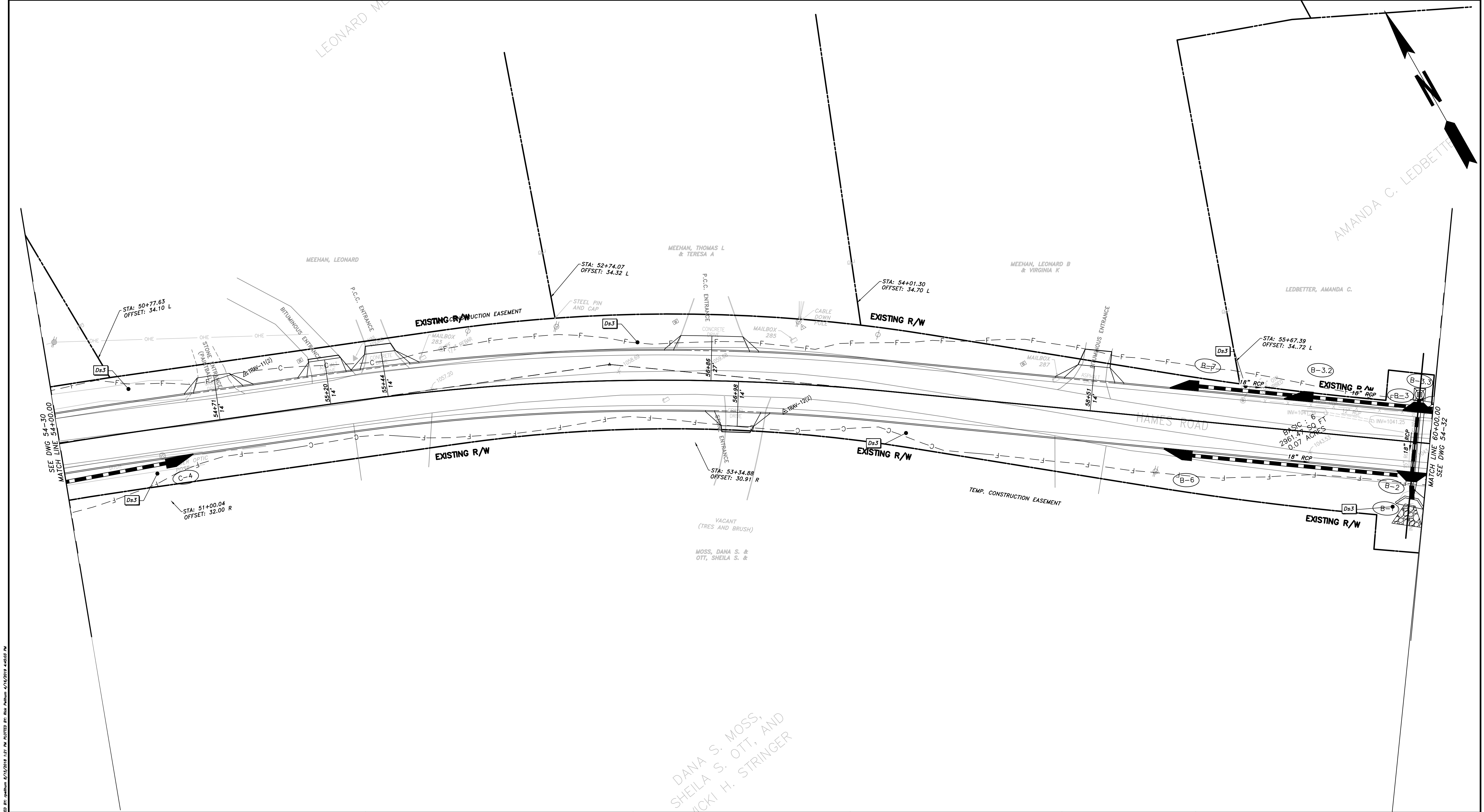
CHEROKEE COUNTY
DEPARTMENT OF TRANSPORTATION

OFFICE: ES&PC - PHASE III

STA. 48+00 TO STA. 54+00
HOMES ROAD

DRAWING No. 54-30

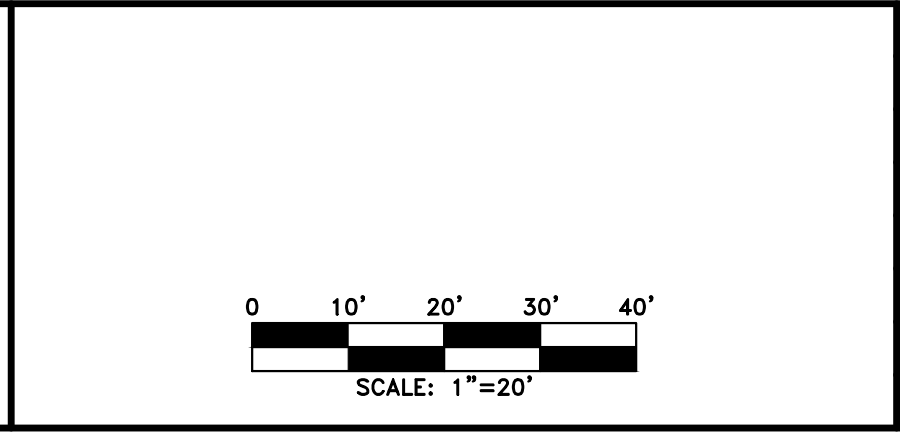
04-15-2019
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 USER: rpelhum
 DATE: 3/12/2014 3:13:44 PM



PROPERTY AND EXISTING R/W LINE	
REQUIRED R/W LINE	
CONSTRUCTION LIMITS	
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES	
EASEMENT FOR CONSTR OF SLOPES	
EASEMENT FOR CONSTR OF DRIVES	

BEGIN LIMIT OF ACCESS.....BLA	
END LIMIT OF ACCESS.....ELA	
LIMIT OF ACCESS	
REQ'D R/W & LIMIT OF ACCESS	
PROPOSED 5' WIDE CONC. SIDEWALK	


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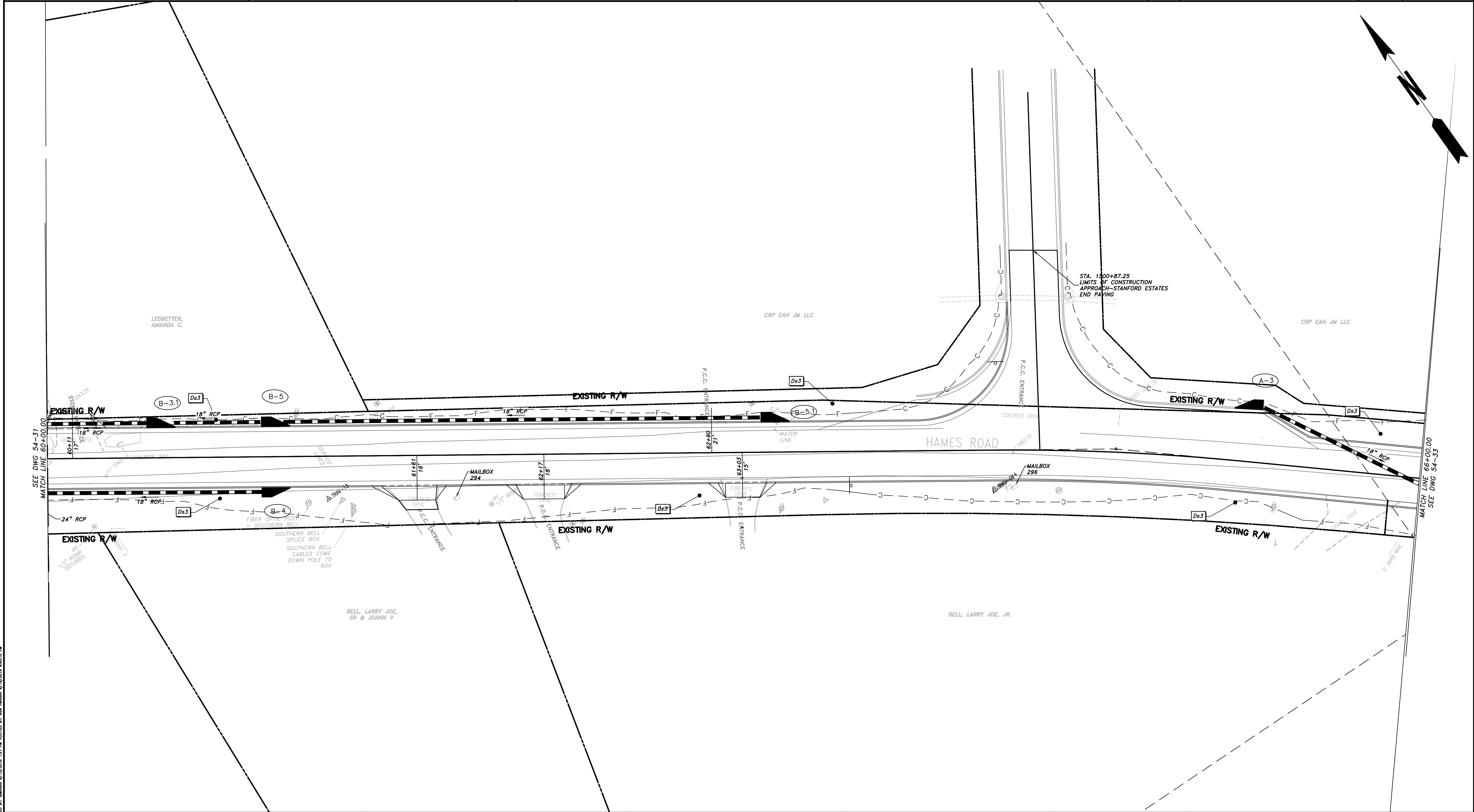


NO.	DATE	DESCRIPTION

CHEROKEE COUNTY
DEPARTMENT OF TRANSPORTATION
 OFFICE:
 ES&PC - PHASE III
 STA. 54+00 TO STA. 60+00
 HAMES ROAD

DRAWING No.
54-31

P:\2014 Projects\14003 - Hames Road\Municipal\DWG\14003-TEROSION - Phase III.dwg
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 rpellum
 4/12/2014 4:45:57 PM



PROPERTY AND EXISTING R/W LINE	— P —
REQUIRED R/W LINE	— F —
CONSTRUCTION LIMITS	— G —
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES	▨
EASEMENT FOR CONSTR OF SLOPES	▩
EASEMENT FOR CONSTR OF DRIVES	▤

BEGIN LIMIT OF ACCESS.....BLA	— o o o —
END LIMIT OF ACCESS.....ELA	— o o o —
LIMIT OF ACCESS	— o o o —
REQ'D R/W & LIMIT OF ACCESS	— III —
PROPOSED 5' WIDE CONC. SIDEWALK	■

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SCALE: 1"=20'

REVISION	DATE	DESCRIPTION

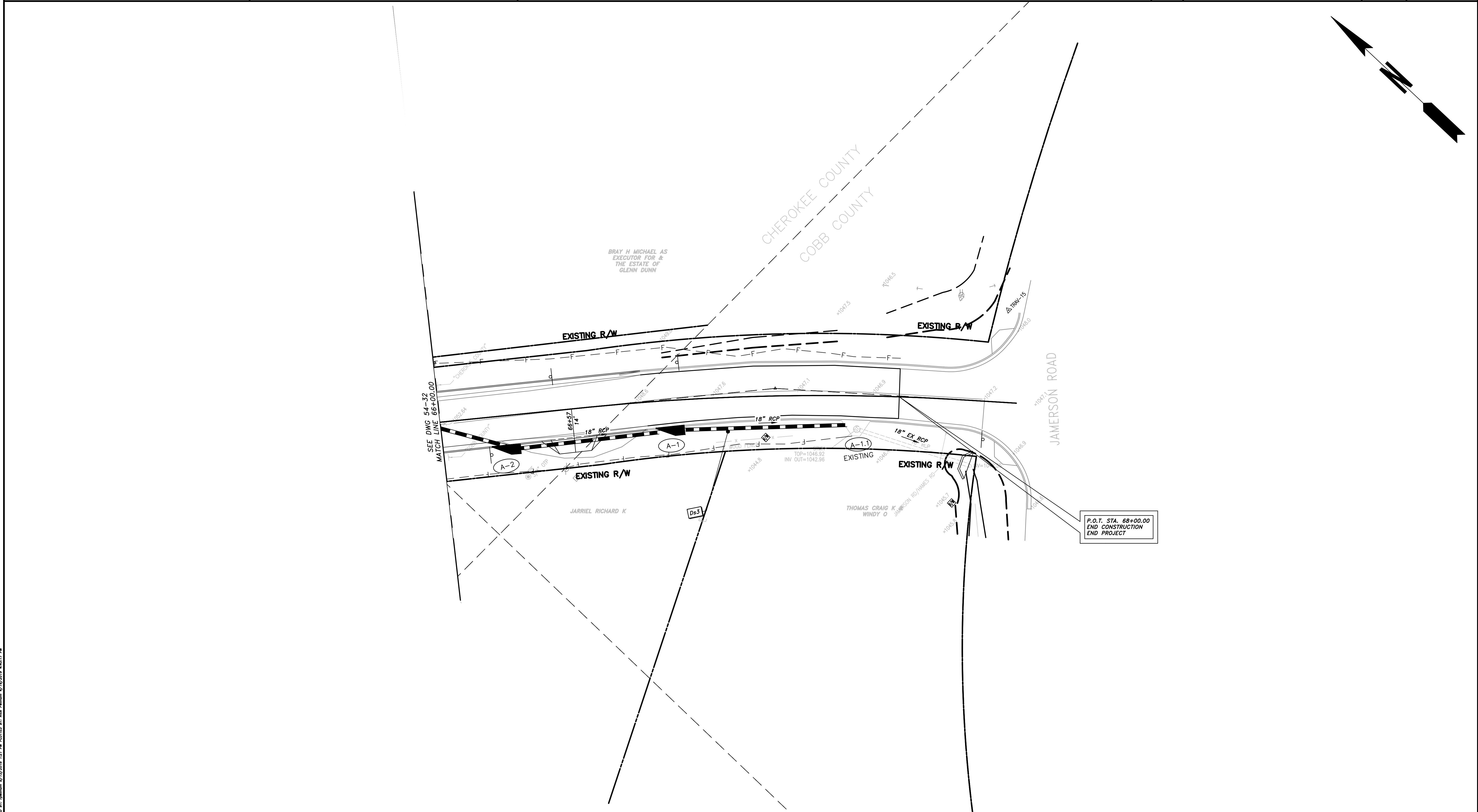
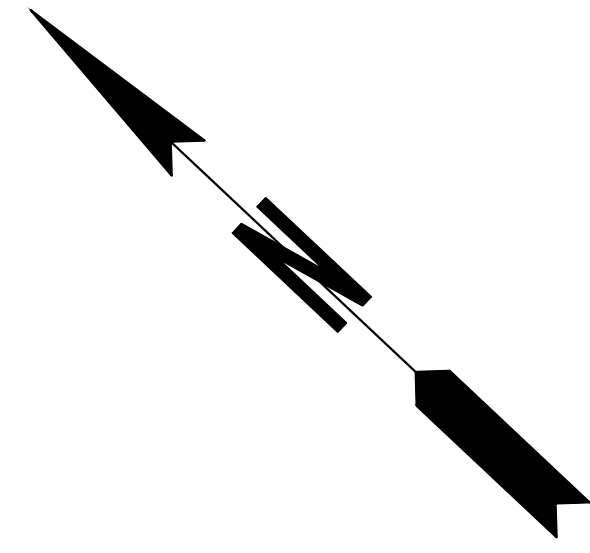
CHEROKEE COUNTY
DEPARTMENT OF TRANSPORTATION

OFFICE:
ES&PC - PHASE III

STA. 60+00 TO STA. 66+00
HAMES ROAD

DRAWING No.
54-32

04-15-2019
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 USER: rpeilhum
 DATE: 3/12/2014 3:13:44 PM
 PLOT DATE: 3/12/2014 12:31 PM
 PLOT BY: rpeilhum



PROPERTY AND EXISTING R/W LINE	— P —
REQUIRED R/W LINE	— F —
CONSTRUCTION LIMITS	— G —
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES	[Hatched Box]
EASEMENT FOR CONSTR OF SLOPES	[Diagonal Hatched Box]
EASEMENT FOR CONSTR OF DRIVES	[Cross-hatched Box]

BEGIN LIMIT OF ACCESS.....BLA	—•••••—
END LIMIT OF ACCESS.....ELA	—•••••—
LIMIT OF ACCESS	—•••••—
REQ'D R/W & LIMIT OF ACCESS	—•••••—
PROPOSED 5' WIDE CONC. SIDEWALK	[Solid Black Box]

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SCALE: 1"=20'

REVISION	DATE	DESCRIPTION

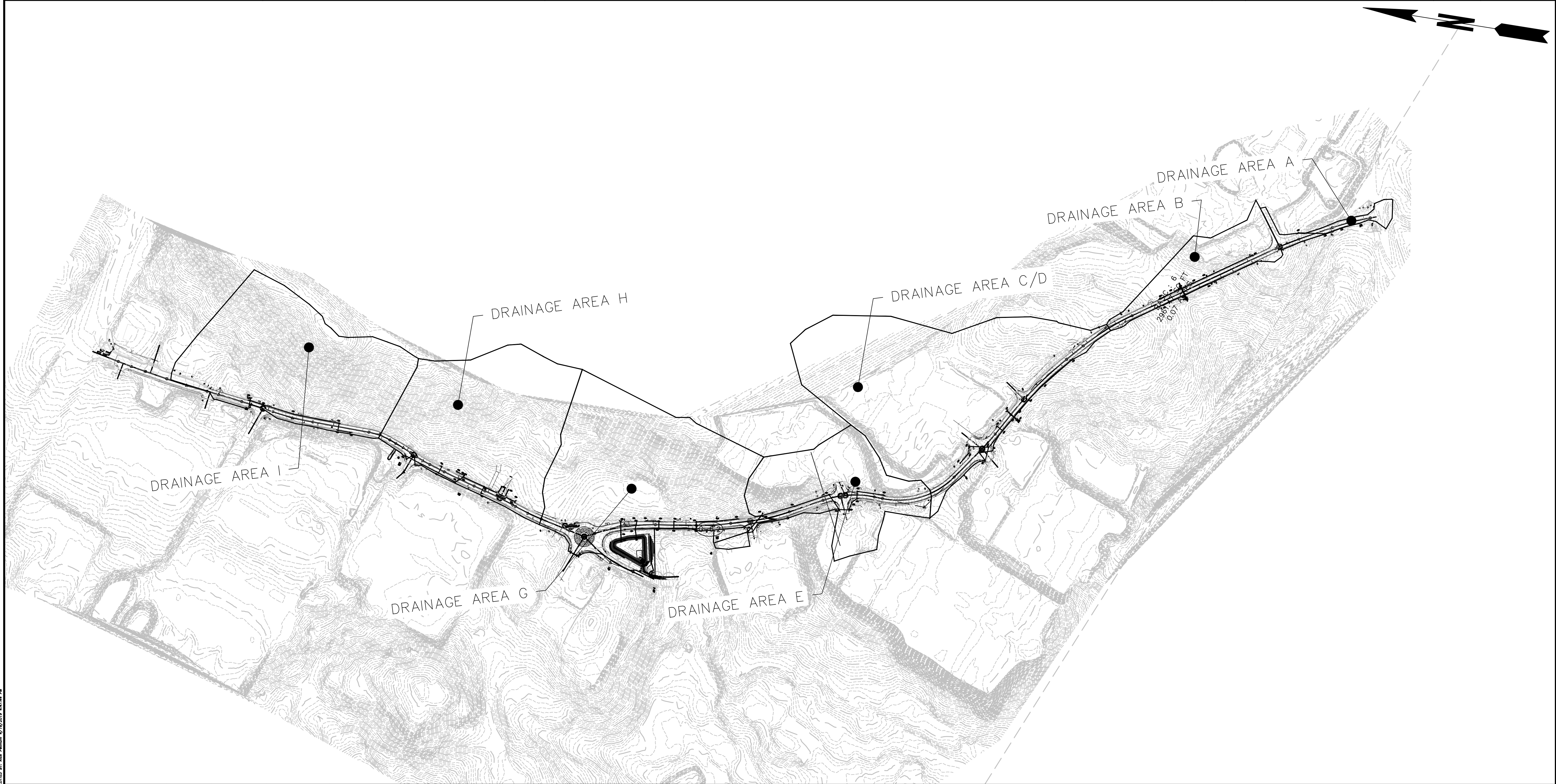
CHEROKEE COUNTY
DEPARTMENT OF TRANSPORTATION

OFFICE:
ES&PC - PHASE III

STA. 66+00 TO STA. 68+48.35
HAMES ROAD

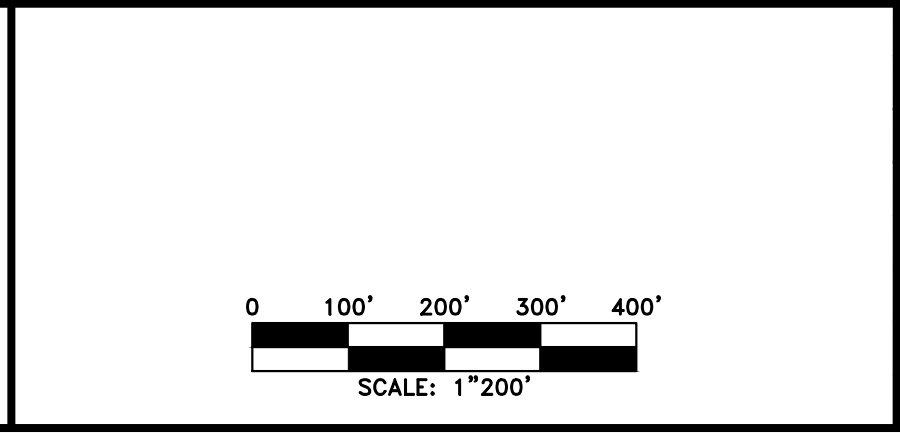
DRAWING No.
54-33

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 USER: rpellhum
 DATE: 3/12/2014 3:13:44 PM
 PLOT DATE: 4/10/2019 4:45:17 PM



Monitoring Site	Primary or Alternative Site	Location (Sta. and side)	Name of Receiving Water	Applicable construction stage for monitoring	Sampling Type (Outfall or Receiving Water)	Drainage Area (for the receiving water) (square miles)	Project Area (Acres)	Warm or Cold Water Stream	Appendix B NTU value (Outfall Monitoring Only)	Allowable NTU increase (For Receiving Water)
1	Primary	STA. 18+23.66 LT.	Tributary of Rubes Creek	Phase 2	Outfall	0.001 sq. mi.	0.22 Acres	Warm Stream	75	N/A

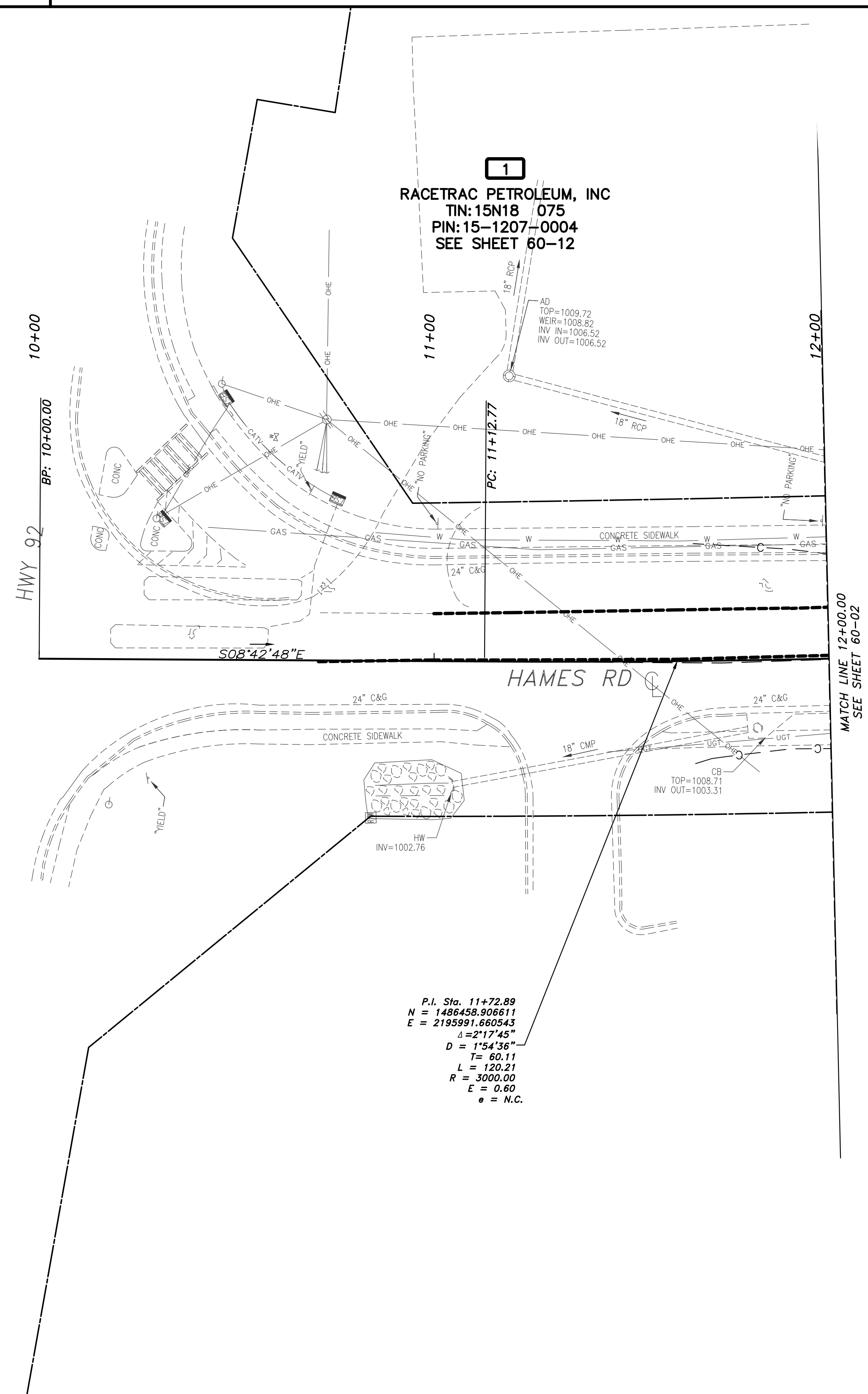
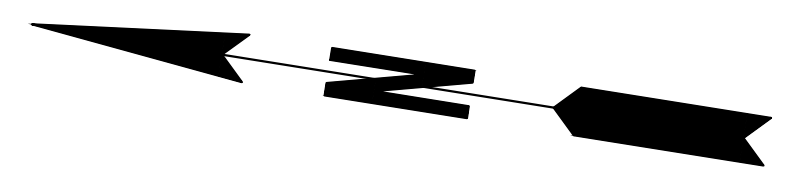
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REVISION DATES		

CHEROKEE COUNTY
DEPARTMENT OF TRANSPORTATION
OFFICE:
ES&PC SITE MONITORING MAP/
WATERSHED MAP
HAMES ROAD

DRAWING No.
55-01



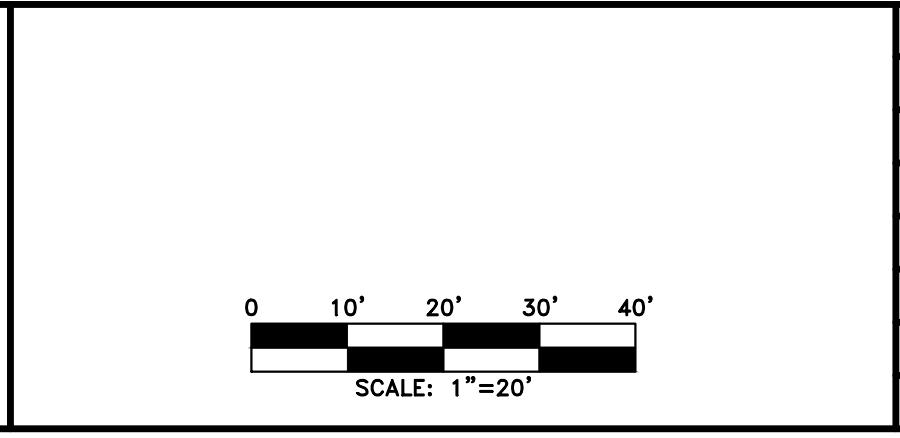
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 E = 2195991.660543
 Δ = 2°17'45"
 D = 1°54'36"
 T = 60.11
 L = 120.21
 R = 3000.00
 E = 0.60
 e = N.C.

THE MAKE: 1403-ROW.dwg LAST SAID BY: rpellhum 2/14/2019 3:54 PM PLOTTED BY: rpellhum 4/12/2019 4:03:08 PM
 04-15-2019

PROPERTY AND EXISTING R/W LINE	— E —
REQUIRED R/W LINE	— F —
CONSTRUCTION LIMITS	— G —
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES	[Hatched Box]
EASEMENT FOR CONSTR OF SLOPES	[Diagonal Hatched Box]
EASEMENT FOR CONSTR OF DRIVES	[Cross-hatched Box]

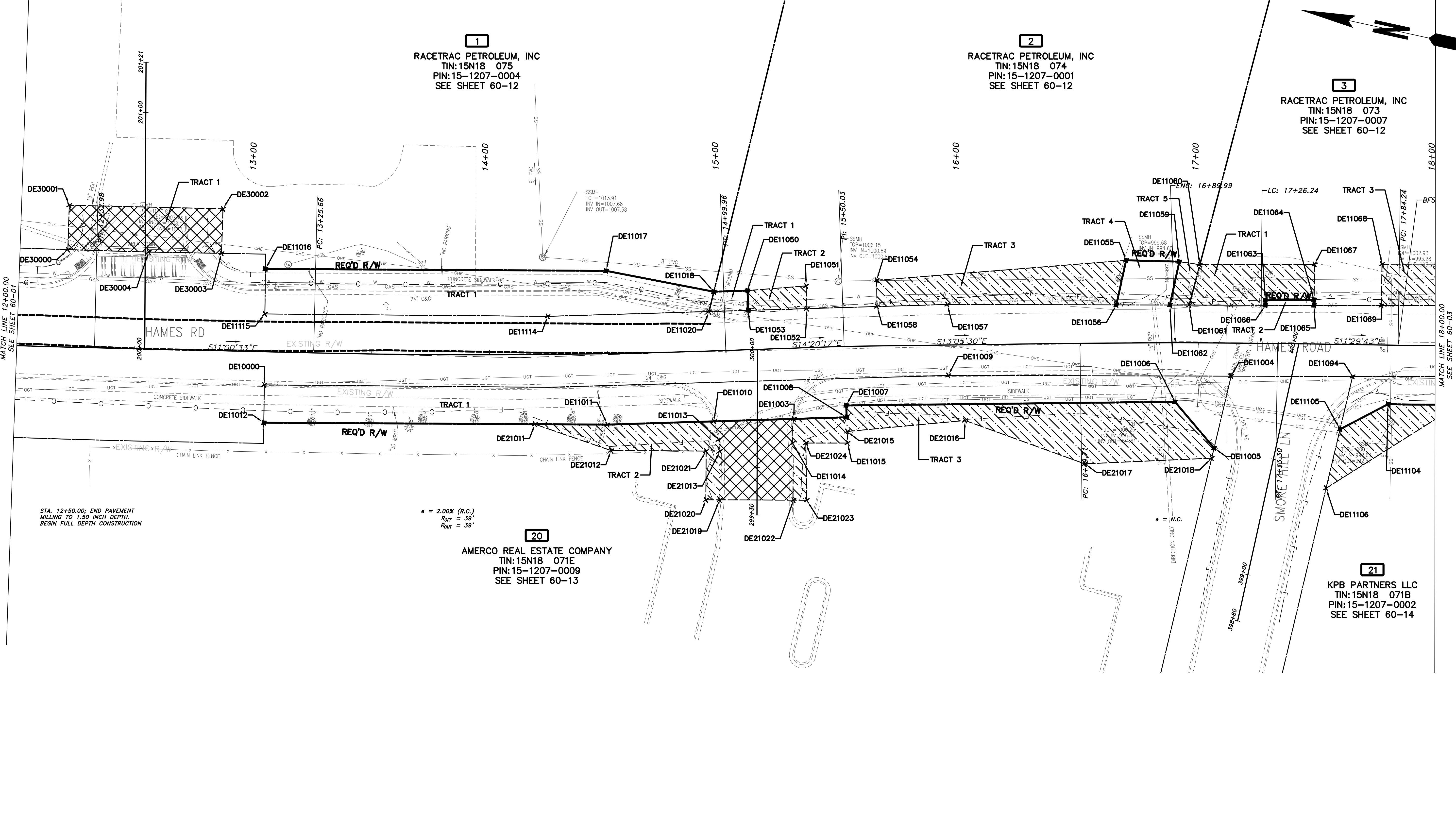
BEGIN LIMIT OF ACCESS.....BLA	— o o o —
END LIMIT OF ACCESS.....ELA	— o o o —
LIMIT OF ACCESS	— —
REQ'D R/W & LIMIT OF ACCESS	— —
PROPOSED 5' WIDE CONC. SIDEWALK	[Solid Black Box]

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REVISION DATES		

CHEROKEE COUNTY DEPARTMENT OF TRANSPORTATION OFFICE: RIGHT OF WAY PLANS	STA. 10+00 TO STA 12+00 HAMES ROAD	DRAWING No. 60-01
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STA. 12+50.00; END PAVEMENT MILLING TO 1.50 INCH DEPTH. BEGIN FULL DEPTH CONSTRUCTION

e = 2.00% (R.C.)
 R_{off} = 39'
 R_{out} = 39'

PROPERTY AND EXISTING R/W LINE	
REQUIRED R/W LINE	
CONSTRUCTION LIMITS	
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES	
EASEMENT FOR CONSTR OF SLOPES	
EASEMENT FOR CONSTR OF DRIVES	

BEGIN LIMIT OF ACCESS.....BLA	
END LIMIT OF ACCESS.....ELA	
LIMIT OF ACCESS	
REQ'D R/W & LIMIT OF ACCESS	
PROPOSED 5' WIDE CONC. SIDEWALK	

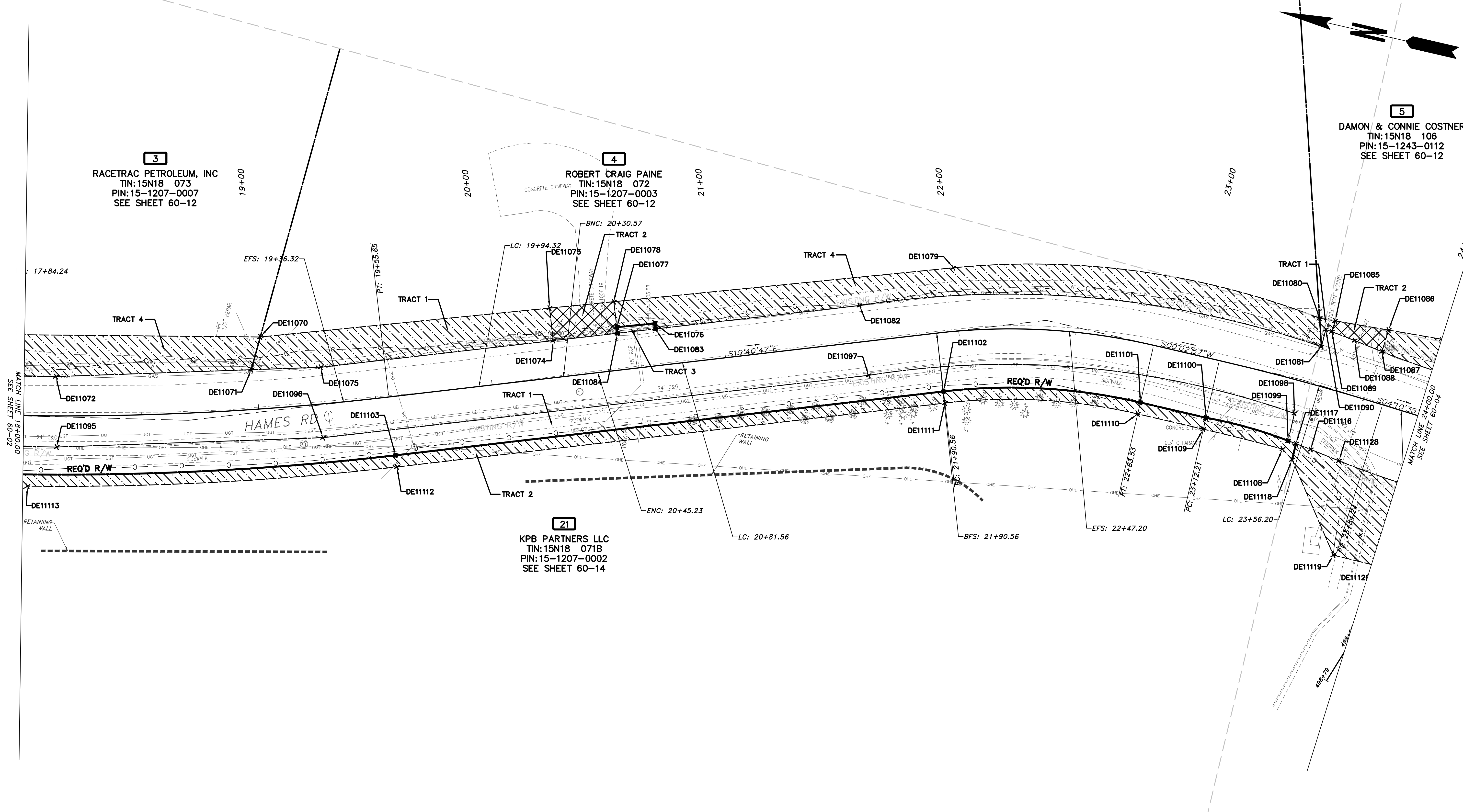
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REVISION DATES	

CHEROKEE COUNTY
 DEPARTMENT OF TRANSPORTATION
 OFFICE: RIGHT OF WAY PLANS
 STA. 12+00 TO STA. 18+00
 HAMES ROAD
 DRAWING No. 60-02

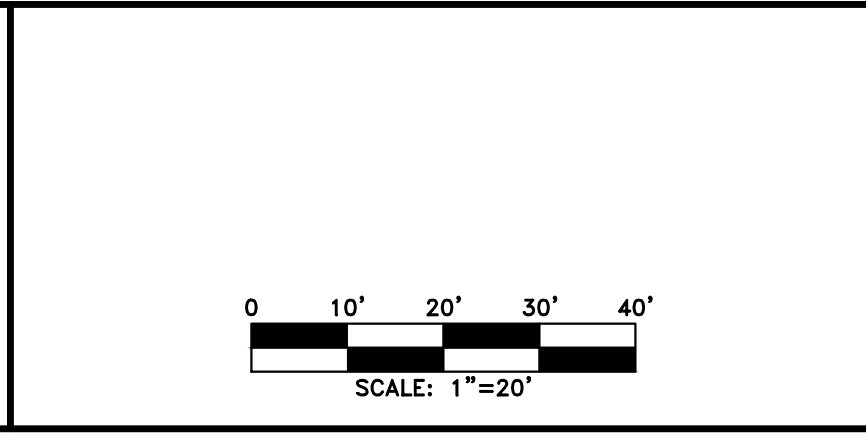
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PROPERTY AND EXISTING R/W LINE	
REQUIRED R/W LINE	
CONSTRUCTION LIMITS	
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES	
EASEMENT FOR CONSTR OF SLOPES	
EASEMENT FOR CONSTR OF DRIVES	

BEGIN LIMIT OF ACCESS.....BLA	
END LIMIT OF ACCESS.....ELA	
LIMIT OF ACCESS	
REQ'D R/W & LIMIT OF ACCESS	
PROPOSED 5' WIDE CONC. SIDEWALK	

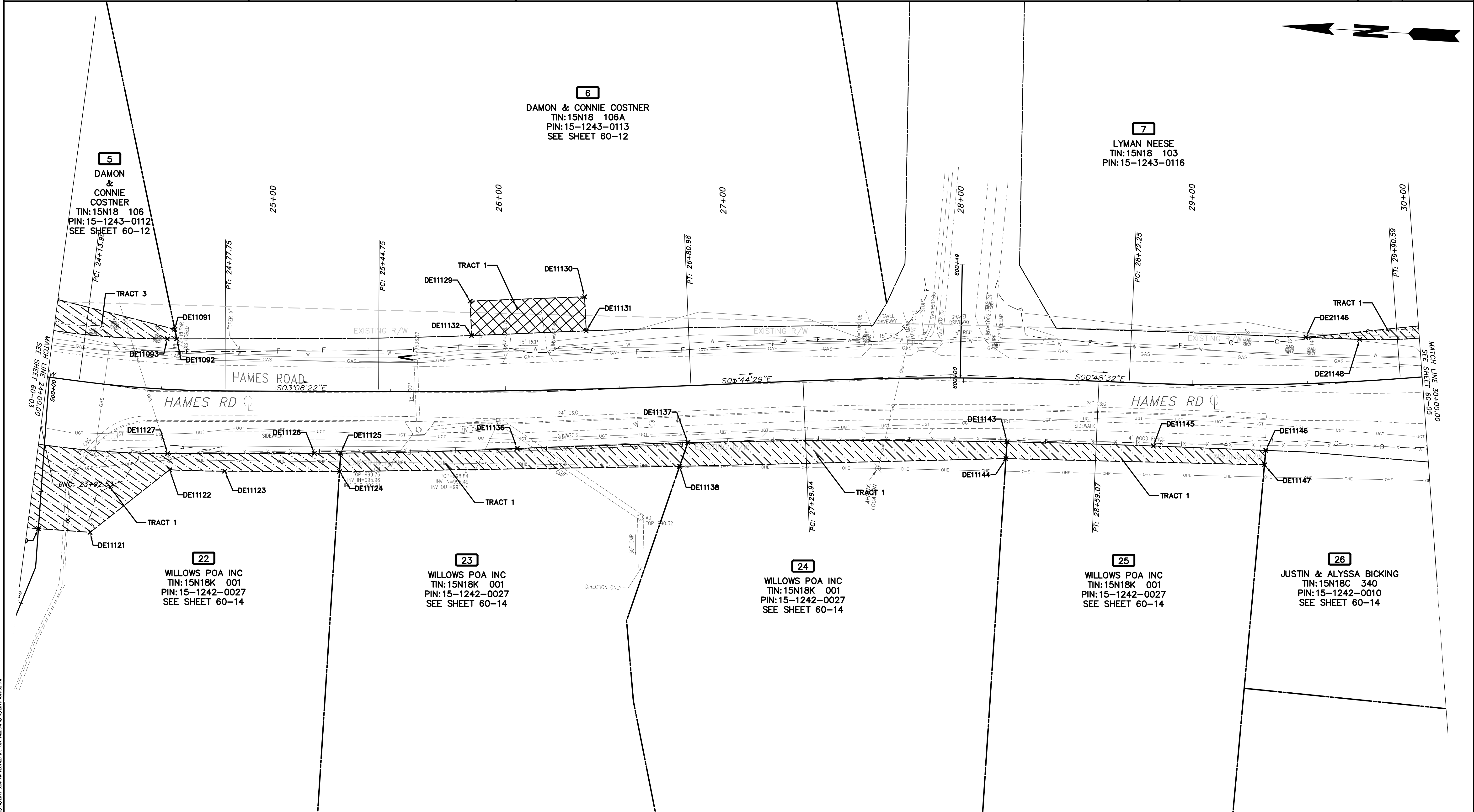
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REVISION	DATE	DESCRIPTION

CHEROKEE COUNTY
 DEPARTMENT OF TRANSPORTATION
 OFFICE: RIGHT OF WAY PLANS
 STA. 18+00 TO 24+00
 HAMES ROAD
 DRAWING No. 60-03

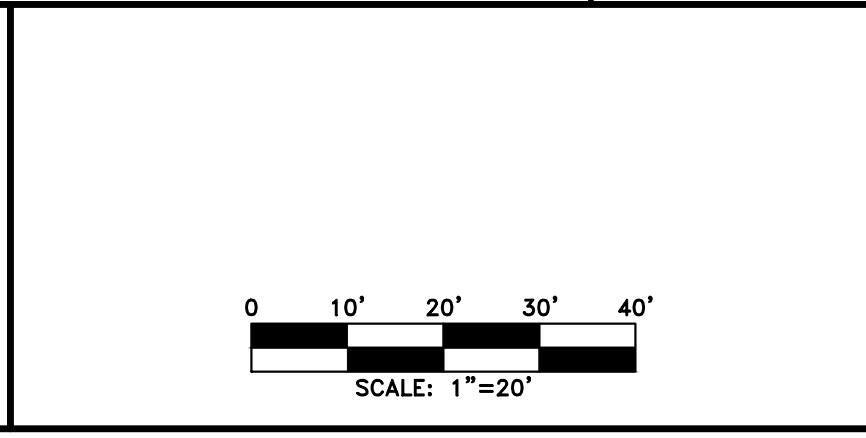
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PROPERTY AND EXISTING R/W LINE	
REQUIRED R/W LINE	
CONSTRUCTION LIMITS	
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES	
EASEMENT FOR CONSTR OF SLOPES	
EASEMENT FOR CONSTR OF DRIVES	

BEGIN LIMIT OF ACCESS.....BLA	
END LIMIT OF ACCESS.....ELA	
LIMIT OF ACCESS	
REQ'D R/W & LIMIT OF ACCESS	
PROPOSED 5' WIDE CONC. SIDEWALK	

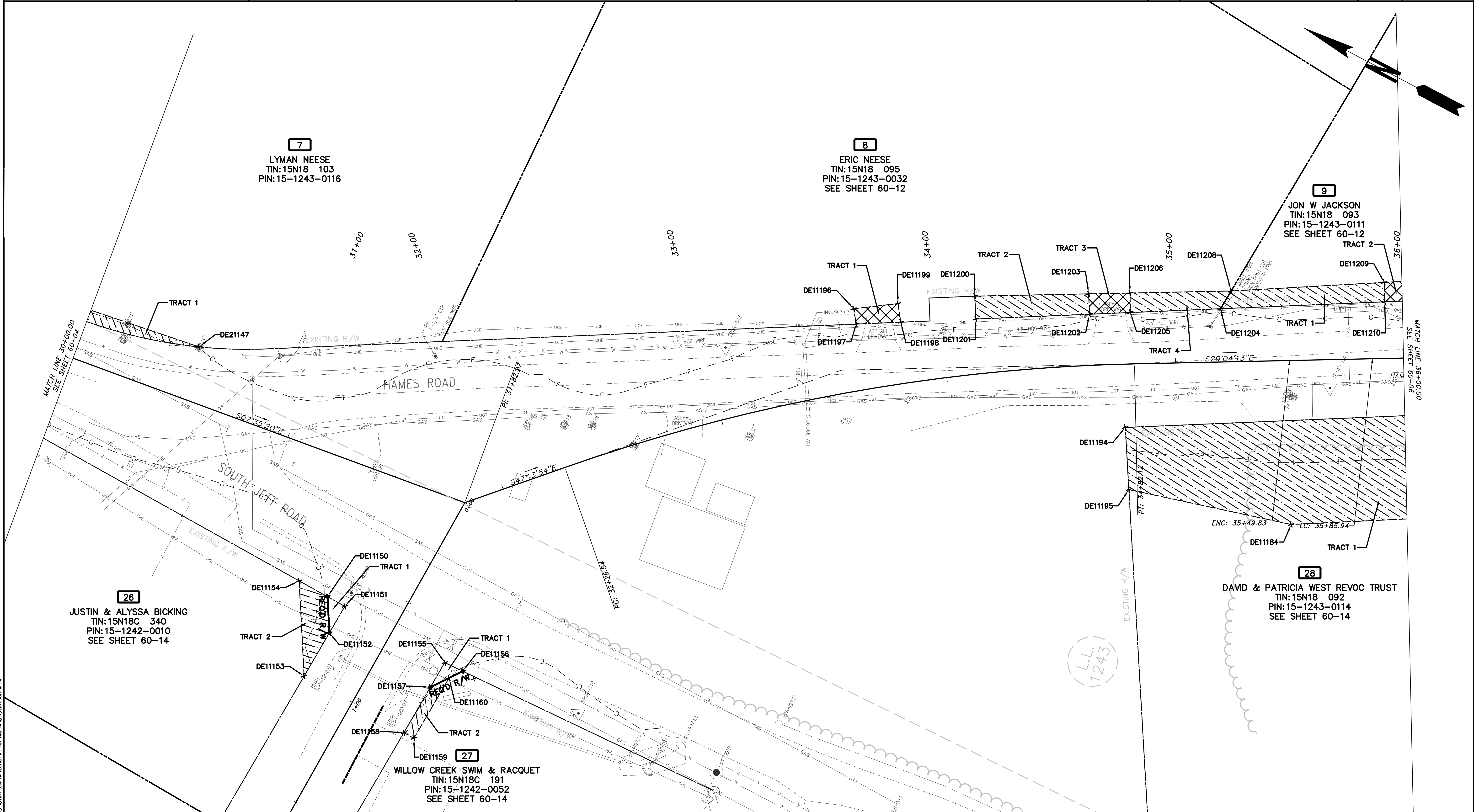
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REVISION	DATE	DESCRIPTION

CHEROKEE COUNTY
 DEPARTMENT OF TRANSPORTATION
 OFFICE: RIGHT OF WAY PLANS
 STA. 24+00 TO STA. 30+00
 HAMES ROAD
 DRAWING No. 60-04

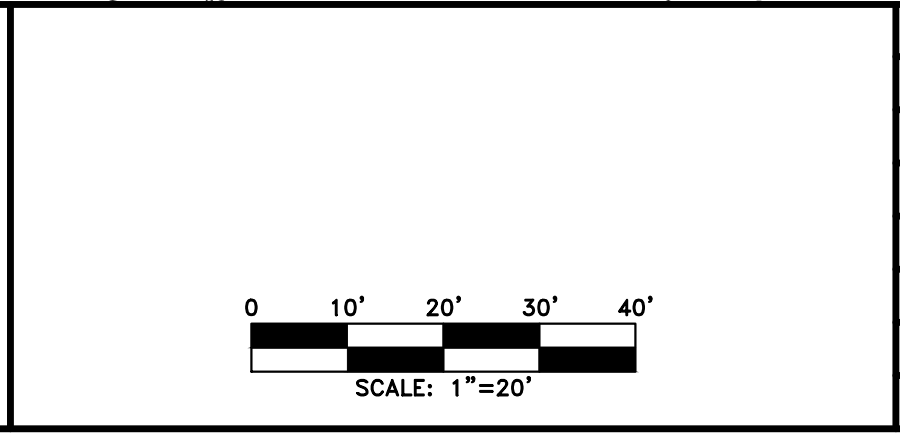
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PROPERTY AND EXISTING R/W LINE	
REQUIRED R/W LINE	
CONSTRUCTION LIMITS	
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES	
EASEMENT FOR CONSTR OF SLOPES	
EASEMENT FOR CONSTR OF DRIVES	

BEGIN LIMIT OF ACCESS.....BLA	
END LIMIT OF ACCESS.....ELA	
LIMIT OF ACCESS	
REQ'D R/W & LIMIT OF ACCESS	
PROPOSED 5' WIDE CONC. SIDEWALK	

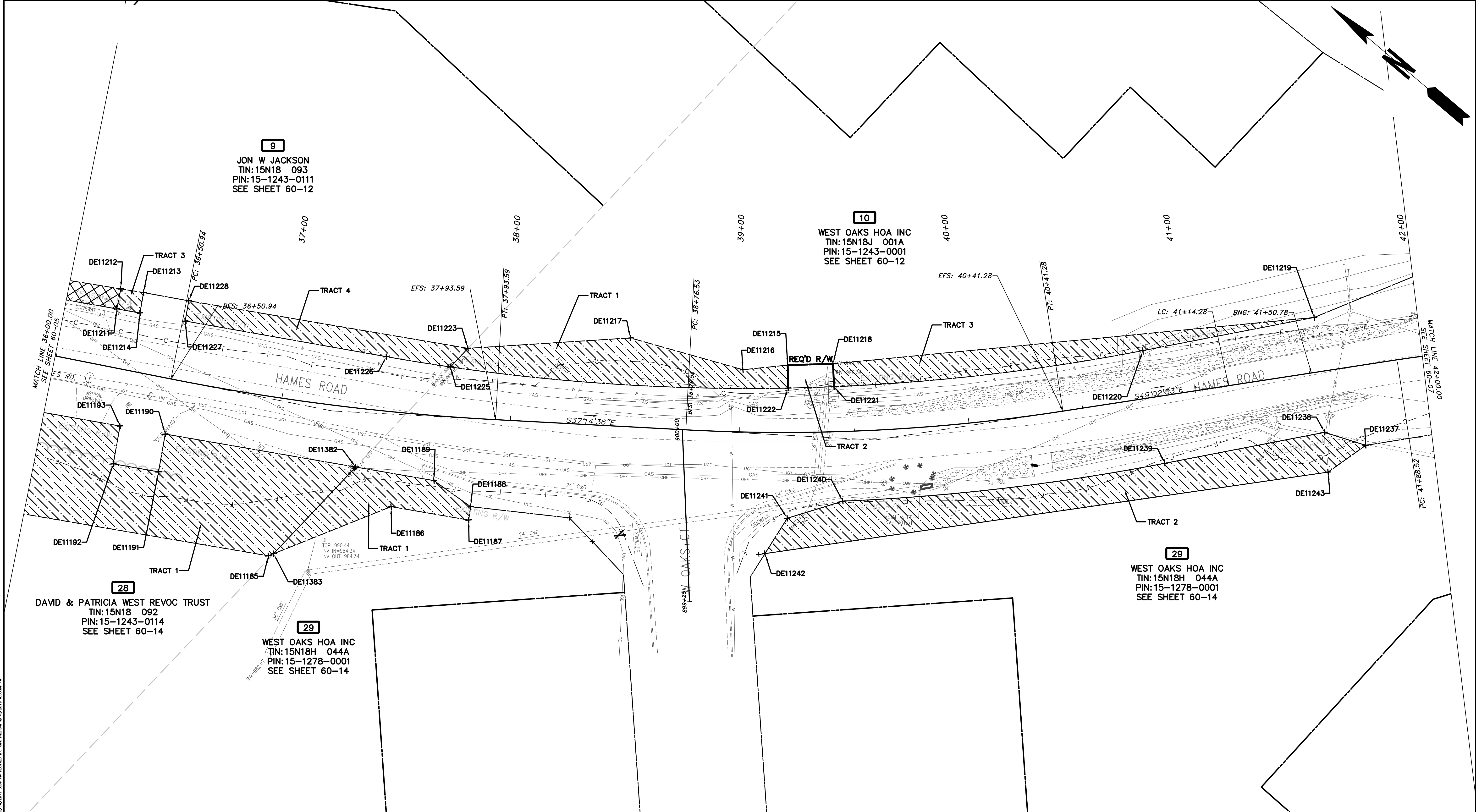
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REVISION	DATE	DESCRIPTION

CHEROKEE COUNTY
 DEPARTMENT OF TRANSPORTATION
 OFFICE: RIGHT OF WAY PLANS
 STA. 30+00 TO STA. 36+00
 HAMES ROAD
 DRAWING No. 60-05

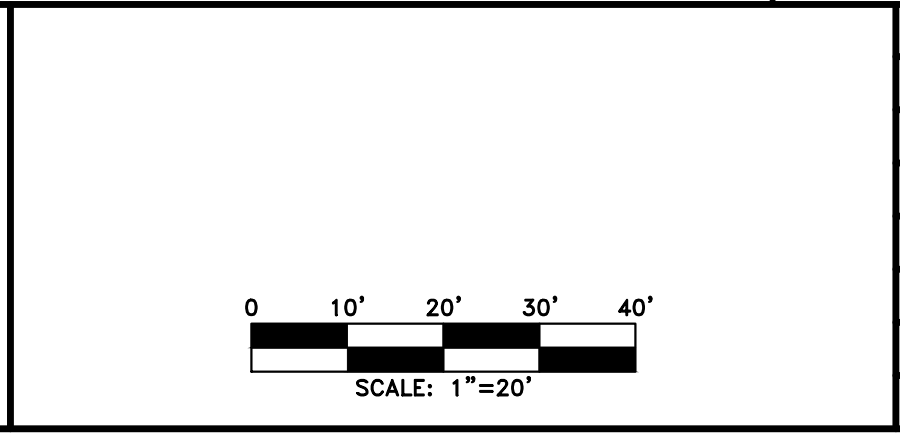
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 USER: rpellhum
 LAI-Gray-C3D_modified.ctb



PROPERTY AND EXISTING R/W LINE
 REQUIRED R/W LINE
 CONSTRUCTION LIMITS
 EASEMENT FOR CONSTR
 & MAINTENANCE OF SLOPES
 EASEMENT FOR CONSTR OF SLOPES
 EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
 END LIMIT OF ACCESS.....ELA
 LIMIT OF ACCESS
 REQ'D R/W & LIMIT OF ACCESS
 PROPOSED 5' WIDE CONC. SIDEWALK

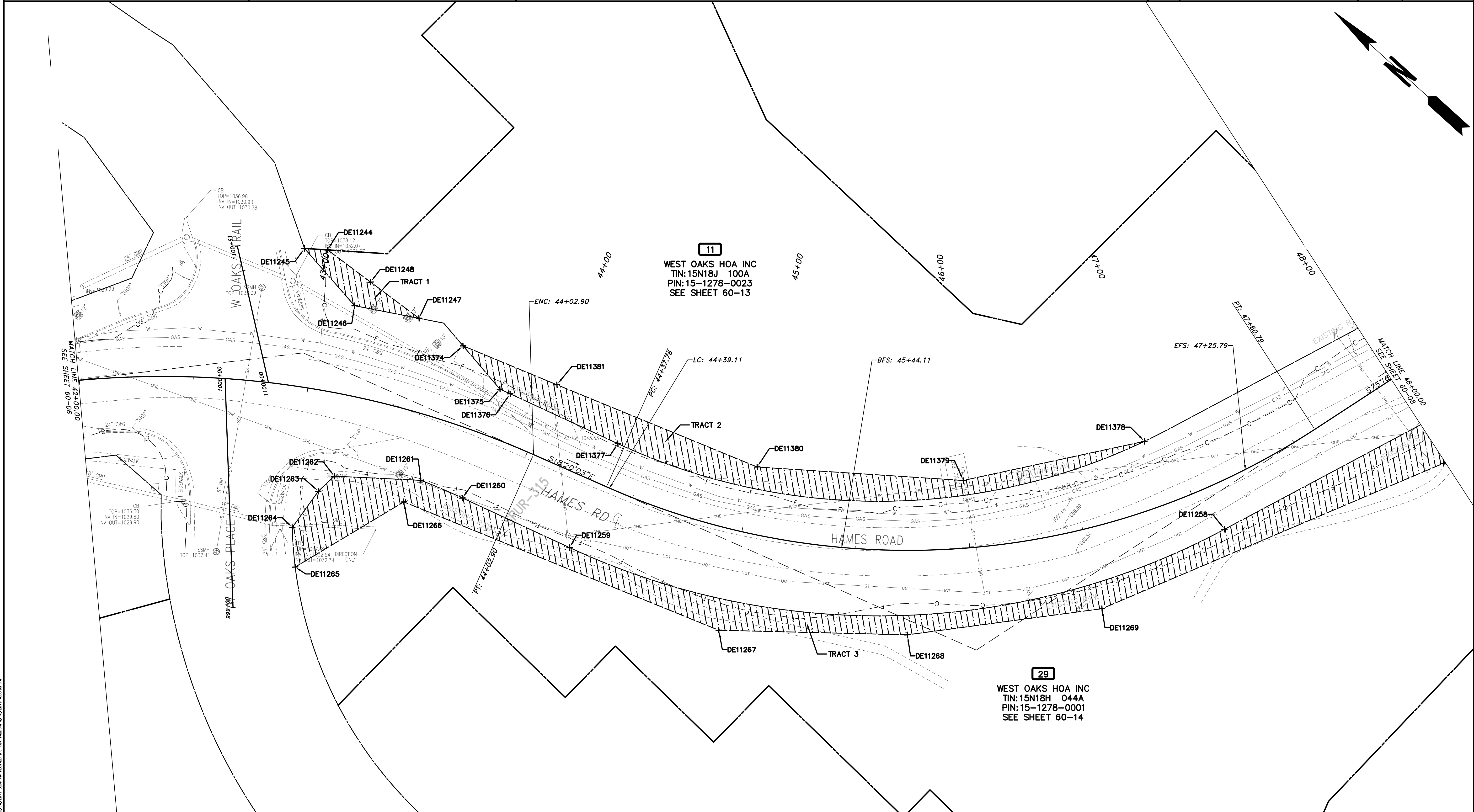
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REVISION DATES	

CHEROKEE COUNTY
 DEPARTMENT OF TRANSPORTATION
 OFFICE:
 RIGHT OF WAY PLANS
 STA. 36+00 TO STA. 42+00
 HAMES ROAD
 DRAWING No.
 60-06

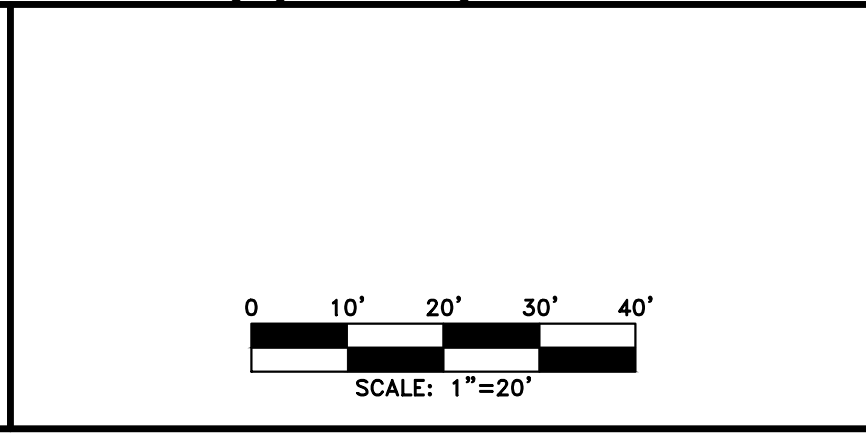
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PROPERTY AND EXISTING R/W LINE	
REQUIRED R/W LINE	
CONSTRUCTION LIMITS	
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES	
EASEMENT FOR CONSTR OF SLOPES	
EASEMENT FOR CONSTR OF DRIVES	

BEGIN LIMIT OF ACCESS.....BLA	
END LIMIT OF ACCESS.....ELA	
LIMIT OF ACCESS	
REQ'D R/W & LIMIT OF ACCESS	
PROPOSED 5' WIDE CONC. SIDEWALK	

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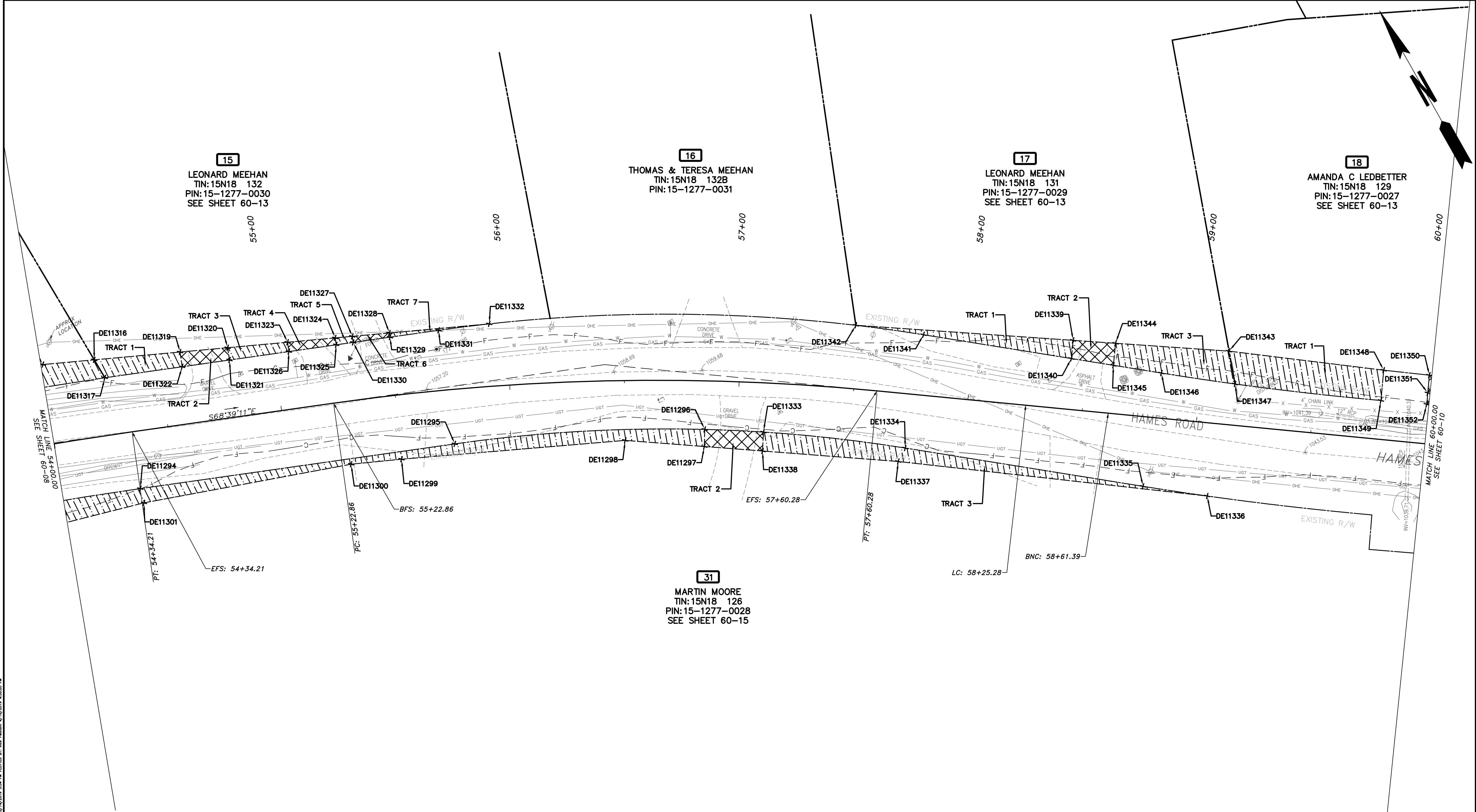
REVISION	DATE	DESCRIPTION

CHEROKEE COUNTY
 DEPARTMENT OF TRANSPORTATION
 OFFICE:
 RIGHT OF WAY PLANS

STA 42+00 TO STA. 48+00
 HAMES ROAD

DRAWING No.
 60-07

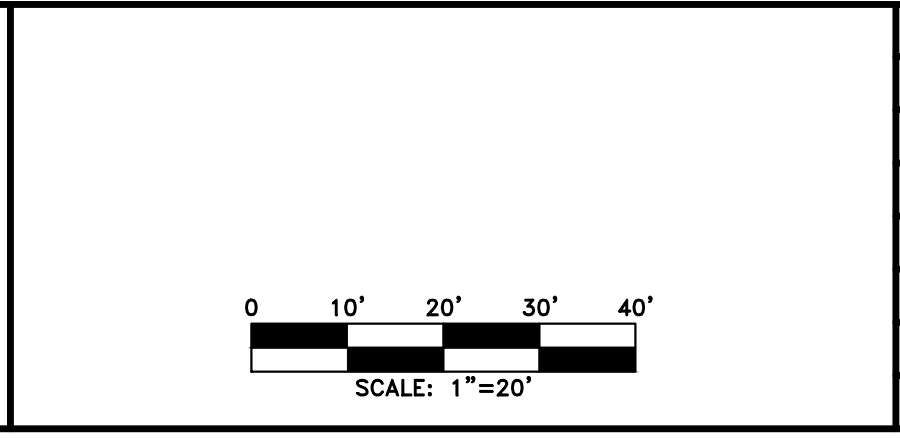
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PROPERTY AND EXISTING R/W LINE	
REQUIRED R/W LINE	
CONSTRUCTION LIMITS	
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES	
EASEMENT FOR CONSTR OF SLOPES	
EASEMENT FOR CONSTR OF DRIVES	

BEGIN LIMIT OF ACCESS.....BLA	
END LIMIT OF ACCESS.....ELA	
LIMIT OF ACCESS	
REQ'D R/W & LIMIT OF ACCESS	
PROPOSED 5' WIDE CONC. SIDEWALK	

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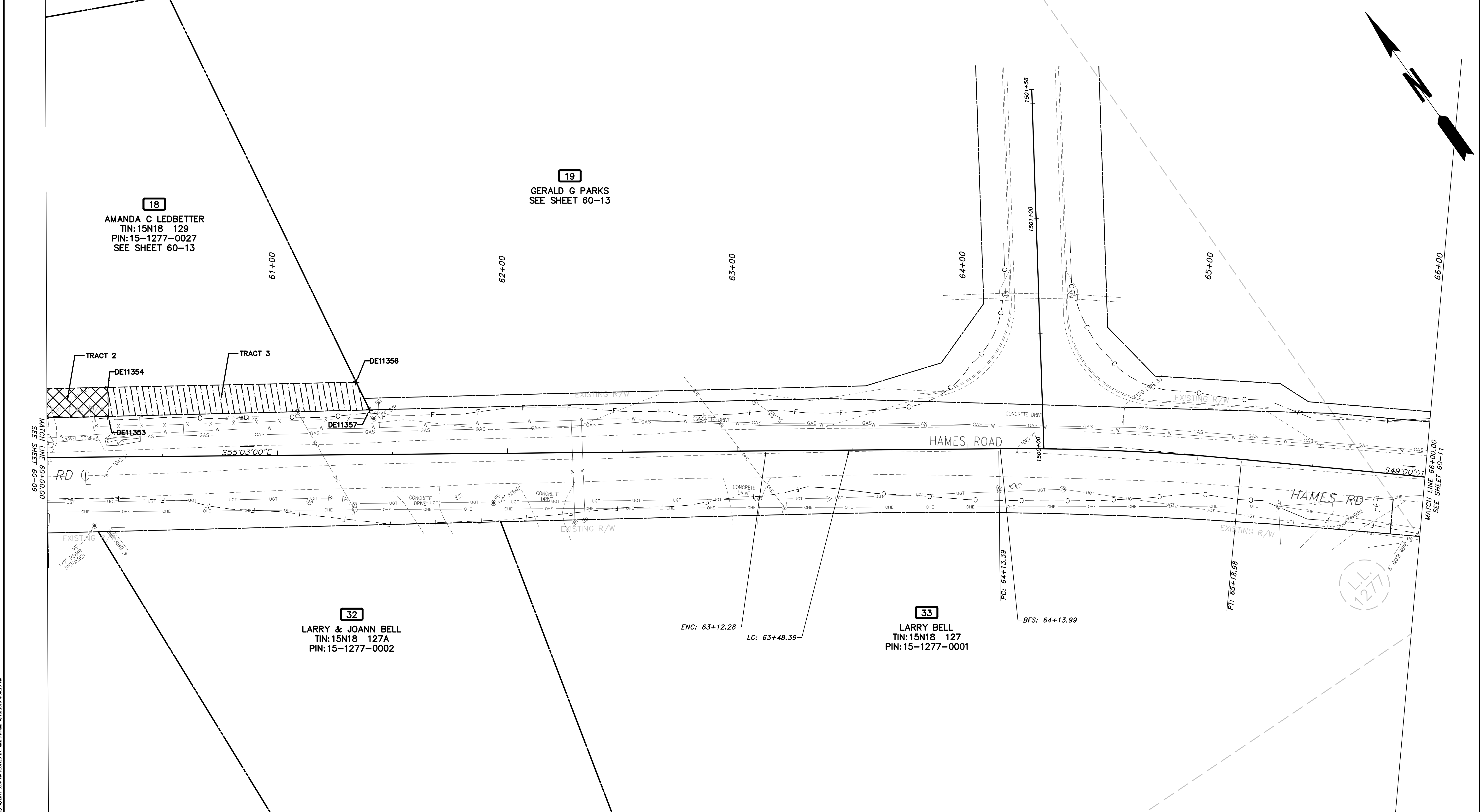


REVISION DATES	

CHEROKEE COUNTY
 DEPARTMENT OF TRANSPORTATION
 OFFICE: RIGHT OF WAY PLANS
 STA. 54+00 TO STA. 60+00
 HAMES ROAD

DRAWING No. 60-09

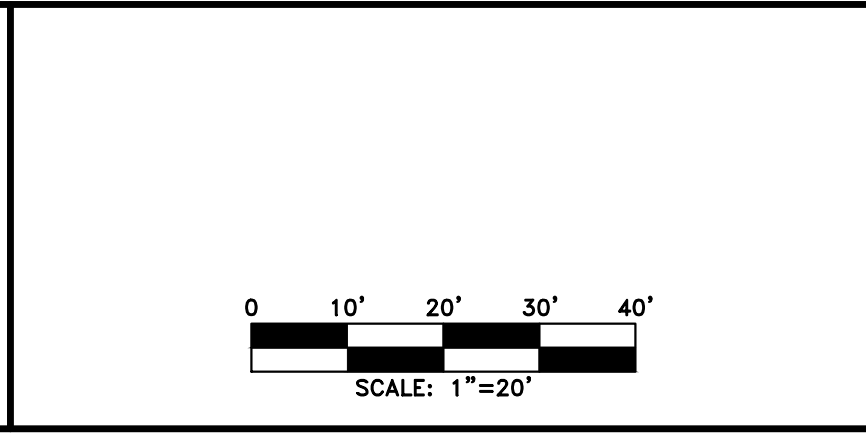
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PROPERTY AND EXISTING R/W LINE
 REQUIRED R/W LINE
 CONSTRUCTION LIMITS
 EASEMENT FOR CONSTR
 & MAINTENANCE OF SLOPES
 EASEMENT FOR CONSTR OF SLOPES
 EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
 END LIMIT OF ACCESS.....ELA
 LIMIT OF ACCESS
 REQ'D R/W & LIMIT OF ACCESS
 PROPOSED 5' WIDE CONC. SIDEWALK

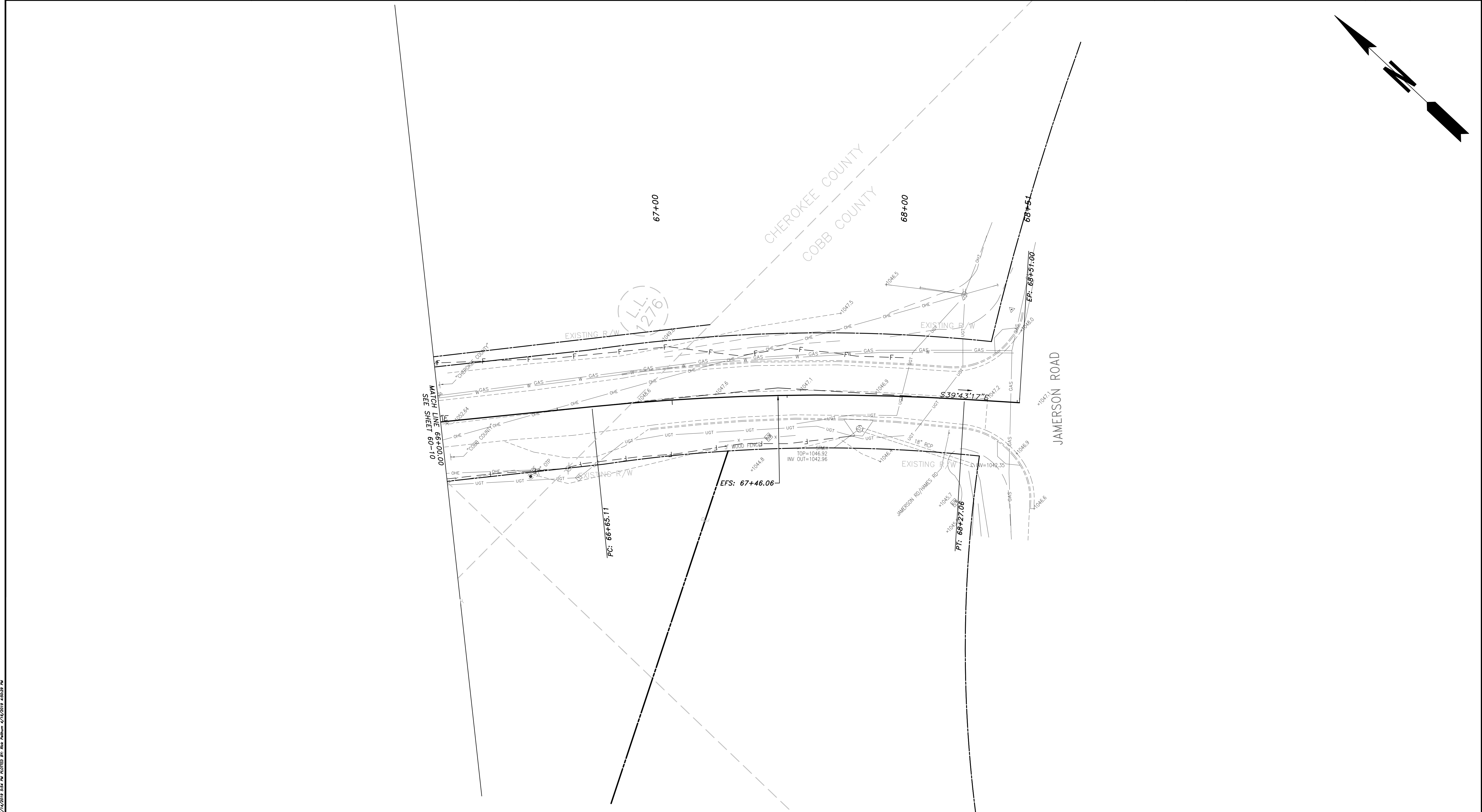
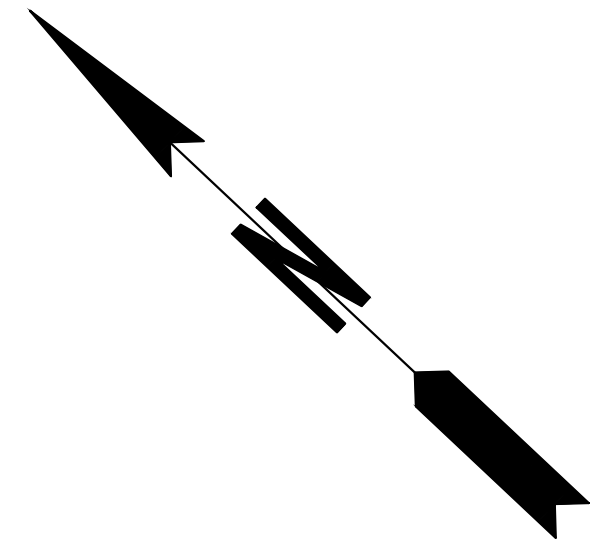
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REVISION DATES	

CHEROKEE COUNTY
 DEPARTMENT OF TRANSPORTATION
 OFFICE:
 RIGHT OF WAY PLANS
 STA. 60+00 TO STA. 66+00
 HAMES ROAD
 DRAWING No.
 60-10

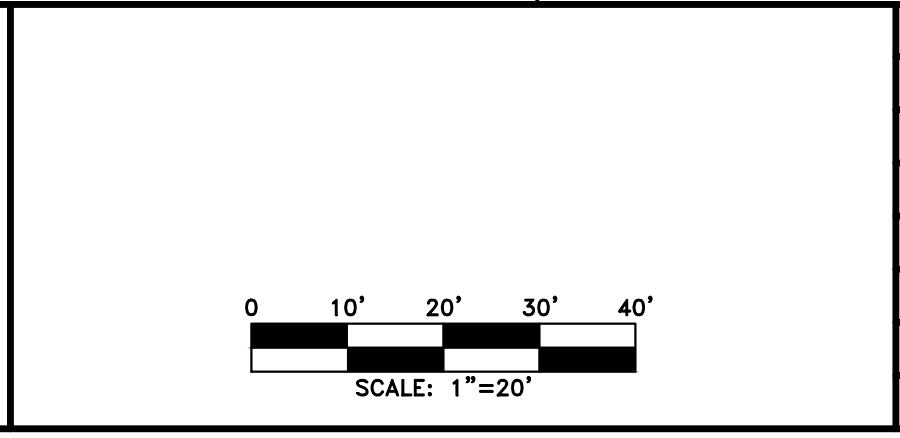
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PROPERTY AND EXISTING R/W LINE REQUIRED R/W LINE CONSTRUCTION LIMITS EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES EASEMENT FOR CONSTR OF SLOPES EASEMENT FOR CONSTR OF DRIVES	
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BEGIN LIMIT OF ACCESS.....BLA END LIMIT OF ACCESS.....ELA LIMIT OF ACCESS REQ'D R/W & LIMIT OF ACCESS PROPOSED 5' WIDE CONC. SIDEWALK	
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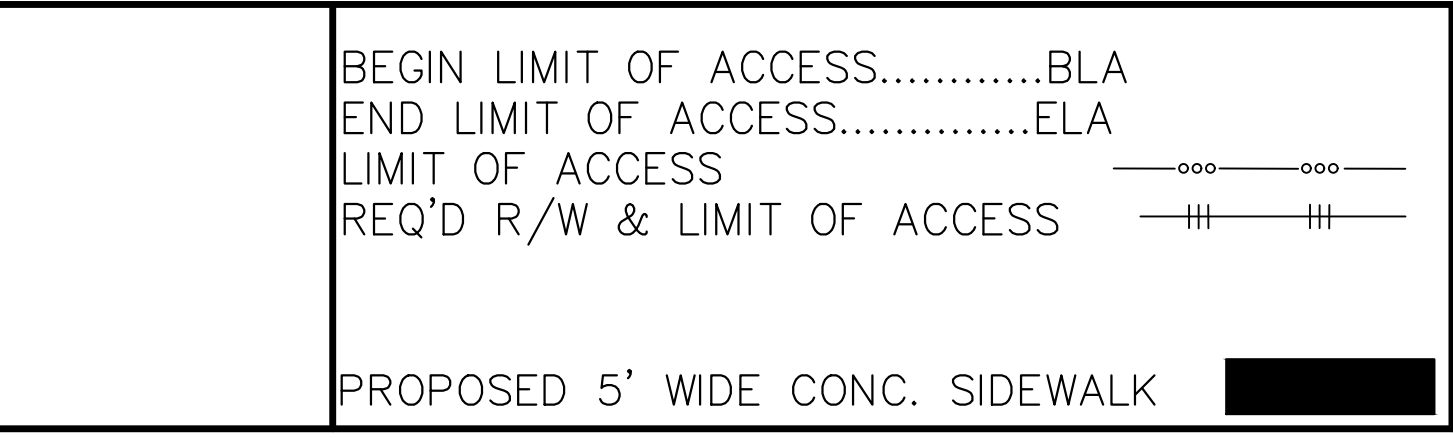
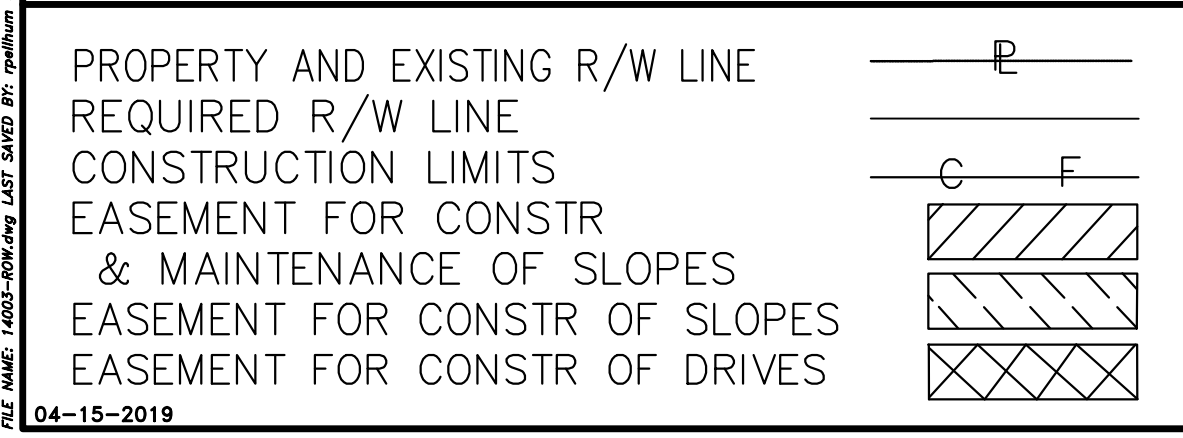



REVISION DATES		

CHEROKEE COUNTY DEPARTMENT OF TRANSPORTATION	
OFFICE: RIGHT OF WAY PLANS	
STA. 66+00 TO STA. 68+48.35 HAMES ROAD	DRAWING No. 60-11

THE MAKE: 1403-2019.dwg LAST DATE: 2/14/2019 5:54 PM PLOTTER: HP Plotter 4/12/2018 4:03:29 PM

PARCEL 1	RACETRAC PETROLEUM INC	TRACT 1	REQ'D R/W	POINT	STATION	OFFSET	ALIGNMENT
DE11115		13+04.66	15.971' LT.	HAMES RD CL			
DE11016		13+04.46	35.000' LT.	HAMES RD CL			
DE11017		14+50.00	35.000' LT.	HAMES RD CL			
DE11018		14+95.72	25.005' LT.	HAMES RD CL			
DE11020		14+93.39	16.698' LT.	HAMES RD CL			
DE11114		14+24.75	16.119' LT.	HAMES RD CL			
DE11115		13+04.66	15.971' LT.	HAMES RD CL			
REQ'D R/W = 3,363.35 SF REQ'D R/W = 0.077 AC							
PARCEL 1	RACETRAC PETROLEUM INC	TRACT 2	REQ'D DRIVEWAY ESMNT	POINT	STATION	OFFSET	ALIGNMENT
DE30000		13+04.66	15.971' LT.	HAMES RD CL			
DE30001		13+04.46	35.000' LT.	HAMES RD CL			
DE30002		14+50.00	35.000' LT.	HAMES RD CL			
DE30003		14+95.72	25.005' LT.	HAMES RD CL			
DE30004		14+93.39	16.698' LT.	HAMES RD CL			
Radius: 9.757.14 Chord Length: 34.200' Chord Direction: N 10-37-22 W Delta: 0° 12' 2.88" Curve Length: 34.196' DE30000 14+24.75 16.119' LT. HAMES RD CL R/W = 1,229.43 SF REQ'D R/W = 0.028 AC							
PARCEL 2	RACETRAC PETROLEUM INC	TRACT 1	REQ'D R/W	POINT	STATION	OFFSET	ALIGNMENT
DE11018		14+95.72	25.005' LT.	HAMES RD CL			
DE11050		15+10.00	25.000' LT.	HAMES RD CL			
DE11053		15+10.00	16.620' LT.	HAMES RD CL			
DE11020		14+93.39	16.698' LT.	HAMES RD CL			
DE11018		14+95.72	25.005' LT.	HAMES RD CL			
REQ'D R/W = 128.53 SF REQ'D R/W = 0.003 AC							
PARCEL 2	RACETRAC PETROLEUM INC	TRACT 2	REQ'D TEMP ESMNT	POINT	STATION	OFFSET	ALIGNMENT
DE11050		15+10.00	25.000' LT.	HAMES RD CL			
DE11051		15+34.85	26.117' LT.	HAMES RD CL			
DE11052		15+34.85	16.493' LT.	HAMES RD CL			
DE11053		15+10.00	16.620' LT.	HAMES RD CL			
DE11050		15+10.00	25.000' LT.	HAMES RD CL			
REQ'D R/W = 223.67 SF REQ'D R/W = 0.005 AC							
PARCEL 2	RACETRAC PETROLEUM INC	TRACT 3	REQ'D TEMP ESMNT	POINT	STATION	OFFSET	ALIGNMENT
DE11054		15+64.13	27.773' LT.	HAMES RD CL			
DE11055		16+69.47	34.889' LT.	HAMES RD CL			
DE11056		16+65.25	16.068' LT.	HAMES RD CL			
DE11057		15+93.85	17.145' LT.	HAMES RD CL			
DE11058		15+64.13	16.651' LT.	HAMES RD CL			
DE11054		15+64.13	27.773' LT.	HAMES RD CL			
REQ'D R/W = 1,505.30 SF REQ'D R/W = 0.035 AC							
PARCEL 2	RACETRAC PETROLEUM INC	TRACT 4	REQ'D R/W	POINT	STATION	OFFSET	ALIGNMENT
DE11055		16+69.47	34.889' LT.	HAMES RD CL			
DE11059		16+91.62	34.249' LT.	HAMES RD CL			
DE11060		17+00.30	33.002' LT.	HAMES RD CL			
DE11061		16+95.90	15.903' LT.	HAMES RD CL			
DE11062		16+87.75	15.916' LT.	HAMES RD CL			
DE11059		16+91.62	34.249' LT.	HAMES RD CL			
REQ'D R/W = 420.79 SF REQ'D R/W = 0.010 AC							
PARCEL 2	RACETRAC PETROLEUM INC	TRACT 5	REQ'D TEMP ESMNT	POINT	STATION	OFFSET	ALIGNMENT
DE11059		16+91.62	34.249' LT.	HAMES RD CL			
DE11060		17+00.30	33.002' LT.	HAMES RD CL			
DE11061		16+95.90	15.903' LT.	HAMES RD CL			
DE11062		16+87.75	15.916' LT.	HAMES RD CL			
DE11059		16+91.62	34.249' LT.	HAMES RD CL			
REQ'D R/W = 152.10 SF REQ'D R/W = 0.003 AC							





ATWELL
866.850.4200 www.atwell-group.com
1800 PARKWAY PLACE, SUITE 700
MARIETTA, GA
770.423.9807

REVISION DATES		
NO.	DATE	DESCRIPTION

CHEROKEE COUNTY
DEPARTMENT OF TRANSPORTATION
OFFICE: **RIGHT OF WAY PLANS**

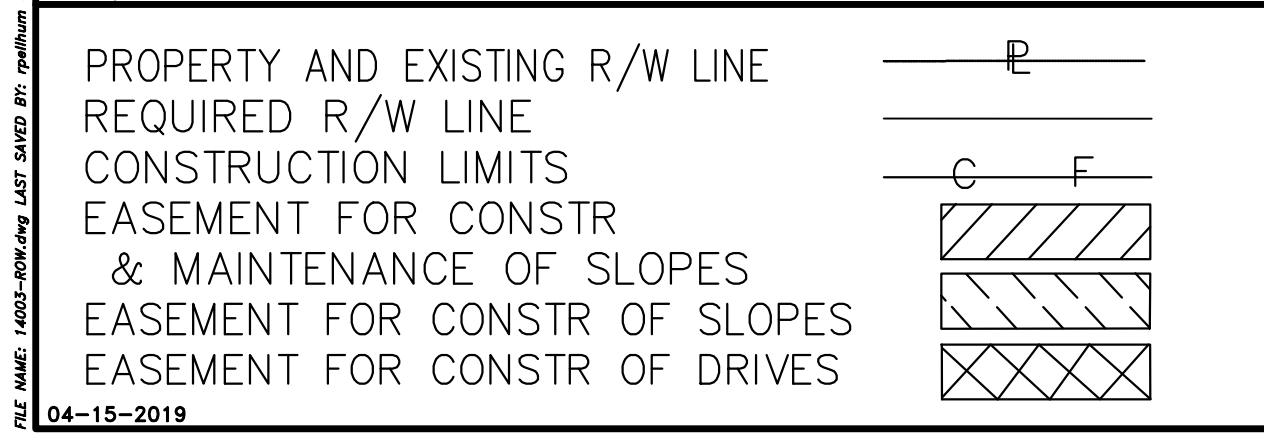
RIGHT-OF-WAY TABLES

HAMES ROAD

DRAWING NO.
60-12

4/12/2018 3:13:44 PM USER: rpellhum				K:\2014 Projects\14003 - Hames Road\Municipal\DWG\14003-ROW.dwg				STATE GA				PROJECT NUMBER EPR-380-359 (057) C1				SHEET NO. VALUE		TOTAL SHEETS 10	
PARCEL 20 AMERCO REAL ESTATE CO TRACT 4 REQ'D DRIVEWAY ESMNT				PARCEL 21 KPB PARTNERS LLC TRACT 2 REQ'D TEMP ESMNT				PARCEL 22 WILLOWS POA INC TRACT 1 REQ'D TEMP ESMNT				PARCEL 25 WILLOWS POA INC TRACT 1 REQ'D TEMP ESMNT				PARCEL 29 WEST OAKS HOA INC TRACT 2 REQ'D TEMP ESMNT			
POINT	STATION	OFFSET	ALIGNMENT	POINT	STATION	OFFSET	ALIGNMENT	POINT	STATION	OFFSET	ALIGNMENT	POINT	STATION	OFFSET	ALIGNMENT	POINT	STATION	OFFSET	ALIGNMENT
DE11010	14+93.94	29.767 RT.	HAMES RD CL	DE11106	17+65.20	13.483 RT.	HAMES RD CL	DE11117	23+53.10	26.281 RT.	HAMES RD CL	DE11143	28+19.42	27.612 RT.	HAMES RD CL	DE11241	39+20.67	37.376 RT.	HAMES RD CL
DE11003	15+27.68	29.993 RT.	HAMES RD CL	DE11105	17+60.24	35.879 RT.	HAMES RD CL	DE11104	17+80.33	25.000 RT.	HAMES RD CL	DE11144	28+19.06	35.000 RT.	HAMES RD CL	DE11240	39+44.00	30.342 RT.	HAMES RD CL
Radius: 34.507				Radius: 1226.146				Delta: 01° 05' 35.20"				Radius: 3214.000				Delta: 01° 08' 18.27"			
Delta: 17° 02' 50.99"				Delta: 08° 21' 33.58"				Curve Length: 6.754				Delta: 01° 08' 18.27"				Delta: 08° 29' 17.88"			
Curve Length: 10.267				Chord Length: 178.892				Chord Length: 6.754				Curve Length: 63.859				Curve Length: 141.334			
Chord Length: 10.229				Chord Length: 178.892				Chord Direction: S 8-22-39.713 W				Chord Length: 63.858				Chord Length: 141.205			
Chord Direction: N 80-38-40.768 E				Chord Direction: S 15-29-52.991 E				Chord Direction: S 1-39-54.680 E				Chord Direction: S 47-1-23.126 E				Chord Direction: S 47-1-23.126 E			
DE11014	15+26.79	40.095 RT.	HAMES RD CL	DE11116	23+60.01	26.962 RT.	HAMES RD CL	DE11145	28+83.70	27.239 RT.	HAMES RD CL	DE11239	40+81.68	29.187 RT.	HAMES RD CL	DE11239	40+81.68	29.187 RT.	HAMES RD CL
DE21022	15+26.34	64.224 RT.	HAMES RD CL	DE11128	23+73.28	28.263 RT.	HAMES RD CL	DE11146	29+31.41	28.725 RT.	HAMES RD CL	DE11238	41+52.55	26.444 RT.	HAMES RD CL	DE11238	41+52.55	26.444 RT.	HAMES RD CL
DE21019	14+95.24	63.030 RT.	HAMES RD CL	DE11103	19+55.65	25.000 RT.	HAMES RD CL	DE11147	29+30.73	35.000 RT.	HAMES RD CL	DE11237	41+69.37	34.760 RT.	HAMES RD CL	DE11237	41+69.37	34.760 RT.	HAMES RD CL
DE21013	14+96.03	42.444 RT.	HAMES RD CL	DE11102	221+90.56	25.000 RT.	HAMES RD CL	DE11144	28+19+06	35.000 RT.	HAMES RD CL	DE11243	41+51.39	3.803 RT.	HAMES RD CL	DE11243	41+51.39	3.803 RT.	HAMES RD CL
DE11013	14+95.59	37.597 RT.	HAMES RD CL	Radius: 245.000				DE11143	28+19.42	27.612 RT.	HAMES RD CL	DE11242	39+11.54	52.811 RT.	HAMES RD CL	DE11242	39+11.54	52.811 RT.	HAMES RD CL
DE11010	14+93.94	29.767 RT.	HAMES RD CL	Delta: 19° 43' 43.98"				REQ'D R/W = 794.82 SF				DE11241	39+20.67	37.376 RT.	HAMES RD CL	DE11241	39+20.67	37.376 RT.	HAMES RD CL
REQ'D R/W = 1,058.07 SF				Curve Length: 84.362				REQ'D R/W = 0.018 AC				REQ'D R/W = 3,723.47 SF				REQ'D R/W = 0.085 AC			
REQ'D R/W = 0.024 AC				Chord Length: 83.946				PARCEL 26 JUSTIN & ALYSSA BICKING TRACT 1 REQ'D R/W				REQ'D R/W = 0.001 AC				PARCEL 29 WEST OAKS HOA INC TRACT 3 REQ'D TEMP ESMNT			
Chord Direction: S 9-48-54.679 E				Chord Direction: S 9-48-54.679 E				POINT	STATION	OFFSET	ALIGNMENT	REQ'D R/W = 0.008 AC				POINT	STATION	OFFSET	ALIGNMENT
PARCEL 21 KPB PARTNERS LLC TRACT 1 REQ'D R/W				DE11101	22+83.53	25.000 RT.	HAMES RD CL	DE11150	31+40.29	59.217 RT.	HAMES RD CL	DE11258	47+07.03	19.716 RT.	HAMES RD CL	DE11258	47+07.03	19.716 RT.	HAMES RD CL
POINT	STATION	OFFSET	ALIGNMENT	DE11100	23+12.21	25.000 RT.	HAMES RD CL	DE11151	31+48.84	60.558 RT.	HAMES RD CL	DE11257	48+12.00	24.564 RT.	HAMES RD CL	DE11257	48+12.00	24.564 RT.	HAMES RD CL
DE11094	17+65.20	13.483 RT.	HAMES RD CL	Radius: 193.196				DE11152	31+46.52	73.715 RT.	HAMES RD CL	DE11256	48+26.14	33.756 RT.	HAMES RD CL	DE11256	48+26.14	33.756 RT.	HAMES RD CL
DE11095	18+14.00	13.255 RT.	HAMES RD CL	Delta: 10° 47' 04.85"				DE11150	31+40.29	59.217 RT.	HAMES RD CL	DE11255	48+72.47	36.674 RT.	HAMES RD CL	DE11255	48+72.47	36.674 RT.	HAMES RD CL
DE11096	19+26.26	14.342 RT.	HAMES RD CL	Curve Length: 36.365				DE11152	31+46.52	73.715 RT.	HAMES RD CL	DE11254	48+91.42	57.902 RT.	HAMES RD CL	DE11254	48+91.42	57.902 RT.	HAMES RD CL
DE11097	21+59.66	14.511 RT.	HAMES RD CL	Chord Length: 36.311				DE11153	31+42.72	95.270 RT.	HAMES RD CL	DE11272	48+90.67	70.343 RT.	HAMES RD CL	DE11272	48+90.67	70.343 RT.	HAMES RD CL
Radius: 370.186				Chord Direction: S 2-37-20.910 W				DE11154	31+26.29	57.019 RT.	HAMES RD CL	DE11271	48+46.89	37.902 RT.	HAMES RD CL	DE11271	48+46.89	37.902 RT.	HAMES RD CL
Delta: 28° 28' 02.61"				DE11099	23+49.46	25.955 RT.	HAMES RD CL	REQ'D R/W = 57.79 SF				DE11270	47+99.80	43.083 RT.	HAMES RD CL	DE11270	47+99.80	43.083 RT.	HAMES RD CL
Curve Length: 183.927				DE11117	23+53.10	26.281 RT.	HAMES RD CL	REQ'D R/W = 0.001 AC				DE11269	46+50.07	35.539 RT.	HAMES RD CL	DE11269	46+50.07	35.539 RT.	HAMES RD CL
Chord Length: 182.041				DE11118	23+53.36	33.279 RT.	HAMES RD CL	PARCEL 26 JUSTIN & ALYSSA BICKING TRACT 2 REQ'D TEMP ESMNT				DE11268	45+72.84	36.845 RT.	HAMES RD CL	DE11268	45+72.84	36.845 RT.	HAMES RD CL
Chord Direction: S 07-55-39.433 E				DE11108	23+48.05	30.000 RT.	HAMES RD CL	POINT	STATION	OFFSET	ALIGNMENT	DE11267	44+33.72	30.763 RT.	HAMES RD CL	DE11267	44+33.72	30.763 RT.	HAMES RD CL
DE11098	23+49.00	14.011 RT.	HAMES RD CL	Radius: 970.000				DE11154	31+26.29	57.019 RT.	HAMES RD CL	DE11259	44+33.72	30.763 RT.	HAMES RD CL	DE11259	44+33.72	30.763 RT.	HAMES RD CL
DE11099	23+49.46	25.955 RT.	HAMES RD CL	Delta: 02° 03' 12.96"				REQ'D R/W = 344.47 SF				DE11258	47+07.03	19.716 RT.	HAMES RD CL	DE11258	47+07.03	19.716 RT.	HAMES RD CL
Radius: 193.196				Curve Length: 34.766				REQ'D R/W = 0.008 AC				DE11257	48+12.00	24.564 RT.	HAMES RD CL	DE11257	48+12.00	24.564 RT.	HAMES RD CL
Delta: 10° 47' 04.85"				Chord Length: 34.764				PARCEL 27 WILLOW CREEK SWM & RACQUET TRACT 1 REQ'D R/W				DE11256	48+26.14	33.756 RT.	HAMES RD CL	DE11256	48+26.14	33.756 RT.	HAMES RD CL
Curve Length: 36.365				Chord Direction: N 01-04-34 E				POINT	STATION	OFFSET	ALIGNMENT	DE11255	48+72.47	36.674 RT.	HAMES RD CL	DE11255	48+72.47	36.674 RT.	HAMES RD CL
Chord Length: 36.311				DE11109	23+12.21	30.000 RT.	HAMES RD CL	DE11154	31+26.29	57.019 RT.	HAMES RD CL	DE11254	48+91.42	57.902 RT.	HAMES RD CL	DE11254	48+91.42	57.902 RT.	HAMES RD CL
Chord Direction: N 2-37-20.910 E				DE11110	22+83.53	30.000 RT.	HAMES RD CL	REQ'D R/W = 53.77 SF				DE11253	48+90.67	70.343 RT.	HAMES RD CL	DE11253	48+90.67	70.343 RT.	HAMES RD CL
DE11100	23+12.21	25.000 RT.	HAMES RD CL	Radius: 240.000				REQ'D R/W = 0.001 AC				DE11252	48+46.89	37.902 RT.	HAMES RD CL	DE11252	48+46.89	37.902 RT.	HAMES RD CL
DE11101	22+83.53	25.000 RT.	HAMES RD CL	Delta: 19° 43' 43.98"				PARCEL 27 WILLOW CREEK SWM & RACQUET TRACT 2 REQ'D TEMP ESMNT				DE11251	47+99.80	43.083 RT.	HAMES RD CL	DE11251	47+99.80	43.083 RT.	HAMES RD CL
Radius: 245.000				Curve Length: 82.640				POINT	STATION	OFFSET	ALIGNMENT	DE11250	46+50.07	35.539 RT.	HAMES RD CL	DE11250	46+50.07	35.539 RT.	HAMES RD CL
Delta: 19° 43' 43.98"				Chord Length: 82.233				DE11157	0+77.52	26.437 LT.	WILLOW CREEK OVERLOOK	DE11249	45+72.84	36.845 RT.	HAMES RD CL	DE11249	45+72.84	36.845 RT.	HAMES RD CL
Curve Length: 84.362				Chord Direction: N 9-48-54.679 W				DE11156	0+64.50	35.297 RT.	WILLOW CREEK OVERLOOK	DE11248	44+99.80	44.148 RT.	HAMES RD CL	DE11248	44+99.80	44.148 RT.	HAMES RD CL
Chord Length: 83.946				DE11111	21+90.56	30.000 RT.	HAMES RD CL	DE11157	0+77.52	26.437 LT.	WILLOW CREEK OVERLOOK	DE11247	43+54.70	39.108 RT.	HAMES RD CL	DE11247	43+54.70	39.108 RT.	HAMES RD CL
Chord Direction: N 9-48-54.679 W				DE11112	19+55.65	30.000 RT.	HAMES RD CL	DE11155	0+65.10	26.627 LT.	WILLOW CREEK OVERLOOK	DE11246	43+08.56	77.936 RT.	HAMES RD CL	DE11246	43+08.56	77.936 RT.	HAMES RD CL
DE11102	21+90.56	25.000 RT.	HAMES RD CL	Radius: 1231.145				DE11154	0+65.10	26.627 LT.	WILLOW CREEK OVERLOOK	DE11245	43+08.56	77.936 RT.	HAMES RD CL	DE11245	43+08.56	77.936 RT.	HAMES RD CL
DE11103	19+55.65	25.000 RT.	HAMES RD CL	Delta: 07° 20' 04.08"				REQ'D R/W = 53.77 SF				DE11244	42+91.42	57.902 RT.	HAMES RD CL	DE11244	42+91.42	57.902 RT.	HAMES RD CL
Radius: 1226.146				Curve Length: 157.600				REQ'D R/W = 0.001 AC				DE11243	42+81.68	29.187 RT.	HAMES RD CL	DE11243	42+81.68	29.187 RT.	HAMES RD CL
Delta: 08° 21' 33.58"				Chord Length: 157.492				PARCEL 28 DAVID & PATRICIA WEST REV TRUST TRACT 1 REQ'D TEMP ESMNT				DE11242	42+72.00	38.157 RT.	HAMES RD CL	DE11242	42+72.00	38.157 RT.	HAMES RD CL
Curve Length: 178.892				Chord Direction: N 16-0-37.728 W				POINT	STATION	OFFSET	ALIGNMENT	DE11241	42+62.26	39.108 RT.	HAMES RD CL	DE11241	42+62.26	39.108 RT.	HAMES RD CL
Chord Length: 178.733				DE11113	18+01.89	30.004 RT.	HAMES RD CL	DE11157	0+77.52	26.437 LT.	WILLOW CREEK OVERLOOK	DE11240	42+52.55	26.444 RT.	HAMES RD CL	DE11240	42+52.55	26.444 RT.	HAMES RD CL
Chord Direction: N 15-29-52.991 W				DE11106	17+65.20	13.483 RT.	HAMES RD CL	DE11156	0+64.50	35.297 RT.	WILLOW CREEK OVERLOOK	DE11239	42+42.72	37.902 RT.	HAMES RD CL	DE11239	42+42.72	37.902 RT.	HAMES RD CL
DE11104	17+80.33	25.000 RT.	HAMES RD CL	REQ'D R/W = 3,457.22 SF				DE11155	0+65.10	26.627 LT.	WILLOW CREEK OVERLOOK	DE11238	42+33.00	38.157 RT.	HAMES RD CL	DE11238	42+33.00	38.157 RT.	HAMES RD CL
DE11105	17+60.24	35.879 RT.	HAMES RD CL	REQ'D R/W = 0.079 AC				DE11154	0+77.52	26.437 LT.	WILLOW CREEK OVERLOOK	DE11237	42+23.26	39.108 RT.	HAMES RD CL	DE11237	42+23.26	39.108 RT.	HAMES RD CL
DE11094	17+65.20	13.483 RT.	HAMES RD CL	Chord Direction: N 16-0-37.728 W				REQ'D R/W = 133.52 SF				DE11236	42+13.52	39.108 RT.	HAMES RD CL	DE11236	42+13.52	39.108 RT.	HAMES RD CL
REQ'D R/W = 6,588.04 SF				DE11113	18+01.89	30.004 RT.	HAMES RD CL	REQ'D R/W = 0.003 AC				DE11235	42+03.78	40.117 RT.	HAMES RD CL	DE11235	42+03.78	40.117 RT.	HAMES RD CL
REQ'D R/W = 0.151 AC				DE11106	17+65.20	13.483 RT.	HAMES RD CL	PARCEL 29 WEST OAKS HOA INC TRACT 1 REQ'D TEMP ESMNT				DE11234	41+53.99	41.171 RT.	HAMES RD CL	DE11234	41+53.99	41.171 RT.	HAMES RD CL
				REQ'D R/W = 1,319.69 SF				POINT	STATION	OFFSET	ALIGNMENT	DE11233	41+44.22	42.170 RT.	HAMES RD CL	DE11233	41+44.22	42.170 RT.	HAMES RD CL
				REQ'D R/W = 0.030 AC				DE11194	34+77.35	27.642 RT.	HAMES RD CL	DE11232	41+34.50	43.083 RT.	HAMES RD CL	DE11232	41+34.50	43.083 RT.	HAMES RD CL
								DE11193	36+33.15	24.441 RT.	HAMES RD CL	DE11231	41+24.74	44.092 RT.	HAMES RD CL	DE11231	41+24.74	44.092 RT.	HAMES RD CL
								DE11192	36+33.50	41.157 RT.	HAMES RD CL	DE11230	41+15.00	45.000 RT.	HAMES RD CL	DE11230	41+15.00	45.000 RT.	HAMES RD CL
								DE11191	36+53.39	40.748 RT.	HAMES RD CL	DE11229	41+05.24	45.909 RT.	HAMES RD CL	DE11229	41+05.24	45.909 RT.	HAMES RD CL
								DE11190	36+53.10	24.030 RT									

PARCEL 30	WEST OAKS HOA INC	TRACT 2	REQ'D TEMP ESMNT
POINT	STATION	OFFSET	ALIGNMENT
DE11292	51+15.52	28.370' RT.	HAMES RD CL
DE11303	51+33.38	40.605' RT.	HAMES RD CL
DE11304	51+15.60	46.420' RT.	HAMES RD CL
DE11292	51+15.52	28.370' RT.	HAMES RD CL
REQ'D R/W = 156.38 SF			
REQ'D R/W = 0.004 AC			
PARCEL 31	MARTIN MOORE	TRACT 1	REQ'D TEMP ESMNT
POINT	STATION	OFFSET	ALIGNMENT
DE11293	51+15.50	25.000' RT.	HAMES RD CL
Radius: 1491.000			
Delta: 12° 02' 54.01"			
Curve Length: 313.532			
Chord Length: 312.955			
Chord Direction: S 74-40-26.330 E			
DE11294	54+34.29	25.000' RT.	HAMES RD CL
DE11295	55+73.89	23.729' RT.	HAMES RD CL
Radius: 654.009			
Delta: 09° 33' 49.06"			
Curve Length: 109.165			
Chord Length: 109.038			
Chord Direction: S 63-52-37.557 E			
DE11296	56+85.46	21.168' RT.	HAMES RD CL
DE11297	56+85.46	28.620' RT.	HAMES RD CL
DE11298	56+50.00	26.081' RT.	HAMES RD CL
DE11299	55+49.48	27.993' RT.	HAMES RD CL
DE11300	55+26.79	27.399' RT.	HAMES RD CL
DE11301	54+34.98	31.369' RT.	HAMES RD CL
DE11302	51+49.71	35.042' RT.	HAMES RD CL
DE11303	51+33.38	40.605' RT.	HAMES RD CL
DE11292	51+15.52	28.370' RT.	HAMES RD CL
DE11293	51+15.50	25.000' RT.	HAMES RD CL
REQ'D R/W = 5,068.05 SF			
REQ'D R/W = 0.116 AC			
PARCEL 31	MARTIN MOORE	TRACT 2	REQ'D TEMP ESMNT
POINT	STATION	OFFSET	ALIGNMENT
DE11296	56+85.46	21.168' RT.	HAMES RD CL
Radius: 654.009			
Delta: 02° 14' 34.74"			
Curve Length: 25.603			
Chord Length: 25.601			
Chord Direction: S 57-58-25.654 E			
DE11333	57+11.62	21.443' RT.	HAMES RD CL
DE11338	57+11.62	29.704' RT.	HAMES RD CL
DE11297	56+85.46	28.620' RT.	HAMES RD CL
DE11296	56+85.46	21.168' RT.	HAMES RD CL
REQ'D R/W = 202.44 SF			
REQ'D R/W = 0.005 AC			
PARCEL 31	MARTIN MOORE	TRACT 3	REQ'D TEMP ESMNT
POINT	STATION	OFFSET	ALIGNMENT
DE11333	57+11.62	21.443' RT.	HAMES RD CL
Radius: 654.009			
Delta: 05° 26' 51.48"			
Curve Length: 62.183			
Chord Length: 62.159			
Chord Direction: S 54-7-42.545 E			
DE11334	57+74.83	23.601' RT.	HAMES RD CL
DE11335	58+79.52	30.261' RT.	HAMES RD CL
Radius: 1415.993			
Delta: 01° 08' 38.71"			
Curve Length: 28.275			
Chord Length: 28.274			
Chord Direction: S 51-58-52.188 E			
DE11336	59+07.76	31.774' RT.	HAMES RD CL
DE11337	57+72.38	29.722' RT.	HAMES RD CL
DE11338	57+11.62	29.704' RT.	HAMES RD CL
DE11333	57+11.62	21.443' RT.	HAMES RD CL
REQ'D R/W = 867.64 SF			
REQ'D R/W = 0.020 AC			



BEGIN LIMIT OF ACCESS.....BLA
 END LIMIT OF ACCESS.....ELA
 LIMIT OF ACCESS
 REQ'D R/W & LIMIT OF ACCESS

PROPOSED 5' WIDE CONC. SIDEWALK



REVISION DATES		

CHEROKEE COUNTY
DEPARTMENT OF TRANSPORTATION

OFFICE: RIGHT OF WAY PLANS

RIGHT-OF-WAY TABLES
HAMES ROAD

DRAWING No.	60-15
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2/14/2019 5:54 PM PLOTTER.DWG 4/12/2019 4:03:07 PM
 2/14/2019 5:54 PM PLOTTER.DWG 4/12/2019 4:03:07 PM
 2/14/2019 5:54 PM PLOTTER.DWG 4/12/2019 4:03:07 PM