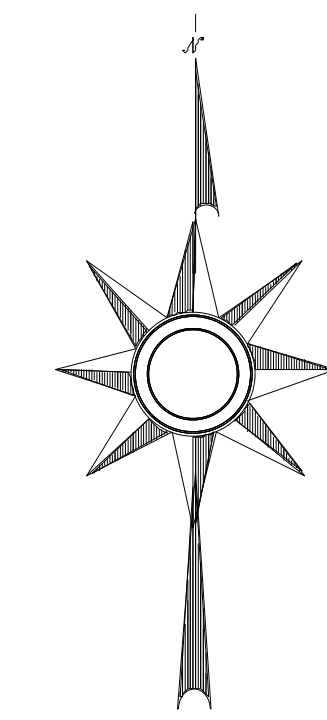


# SIDEWALK ON NORTH WOODRIDGE ROAD

MOUNTAIN BROOK, AL  
 JEFFERSON COUNTY  
 CITY OF MOUNTAIN BROOK

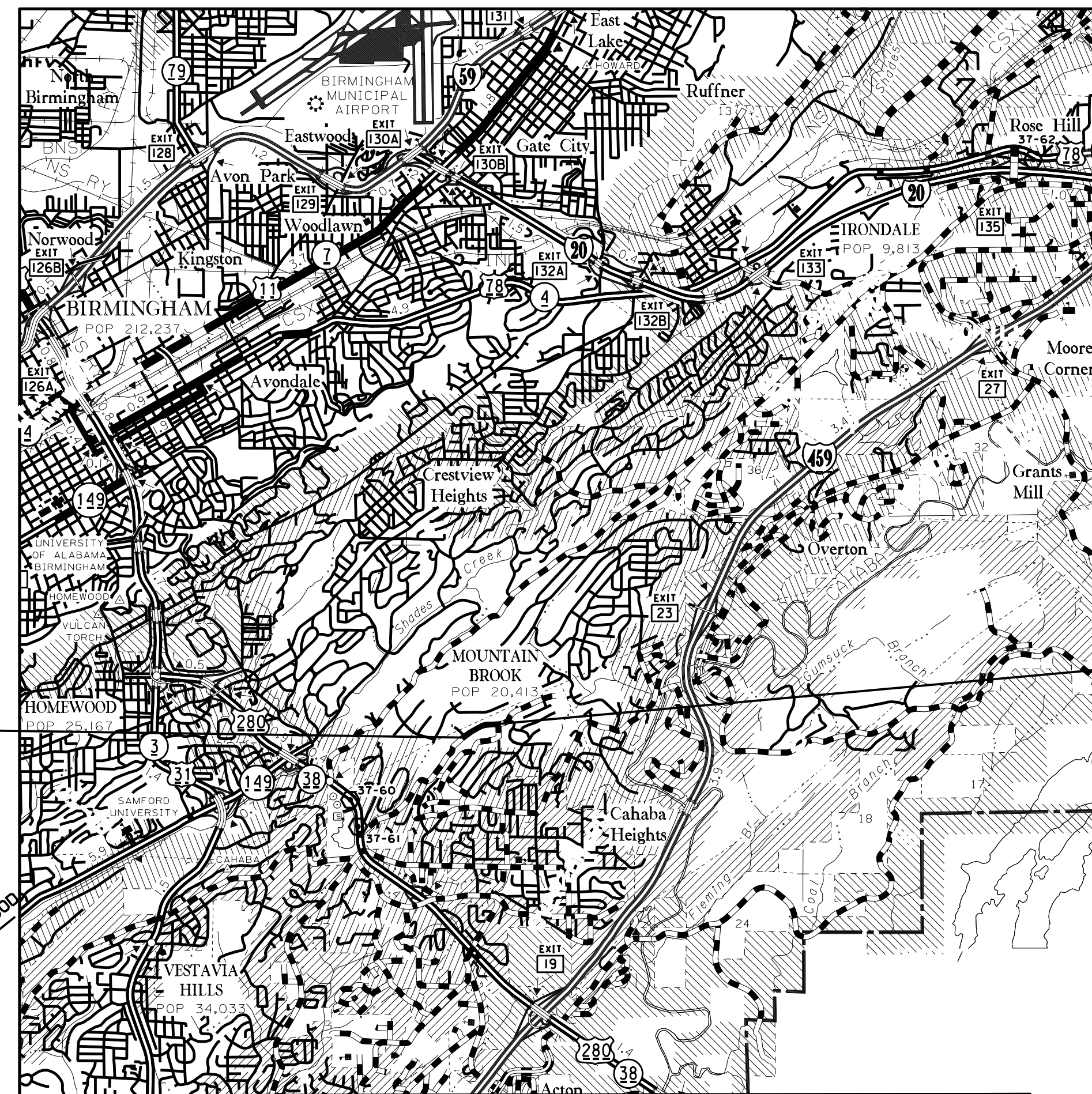


NO	REVISIONS DESCRIPTION	BY	C/O	DATE



## INDEX TO PLAN SHEETS

SHEET NO	DESCRIPTION
1	TITLE SHEET
2	TYPICAL SECTIONS
2A	DETAILS
2B	PROJECT NOTES
3-4	PLAN SHEETS
4A	DRIVEWAY PROFILES
5-6	GRADING & DRAINAGE PLAN SHEETS
7-8	EROSION CONTROL PLAN SHEETS
9-10	TRAFFIC CONTROL PLAN SHEETS
11	TRAFFIC CONTROL PLAN DETAILS



END PROJECT  
 STA. 27+59.85

BEGIN PROJECT  
 STA. 10+30.00

OWNER

CITY OF MOUNTAIN BROOK, ALABAMA  
 P.O. BOX 130009  
 56 CHURCH STREET  
 MOUNTAIN BROOK, AL 35213

NOTE: THESE PLANS HAVE BEEN PREPARED TO CONFORM WITH ALABAMA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, 2022 EDITION.

# FINAL PLANS FOR APPROVAL

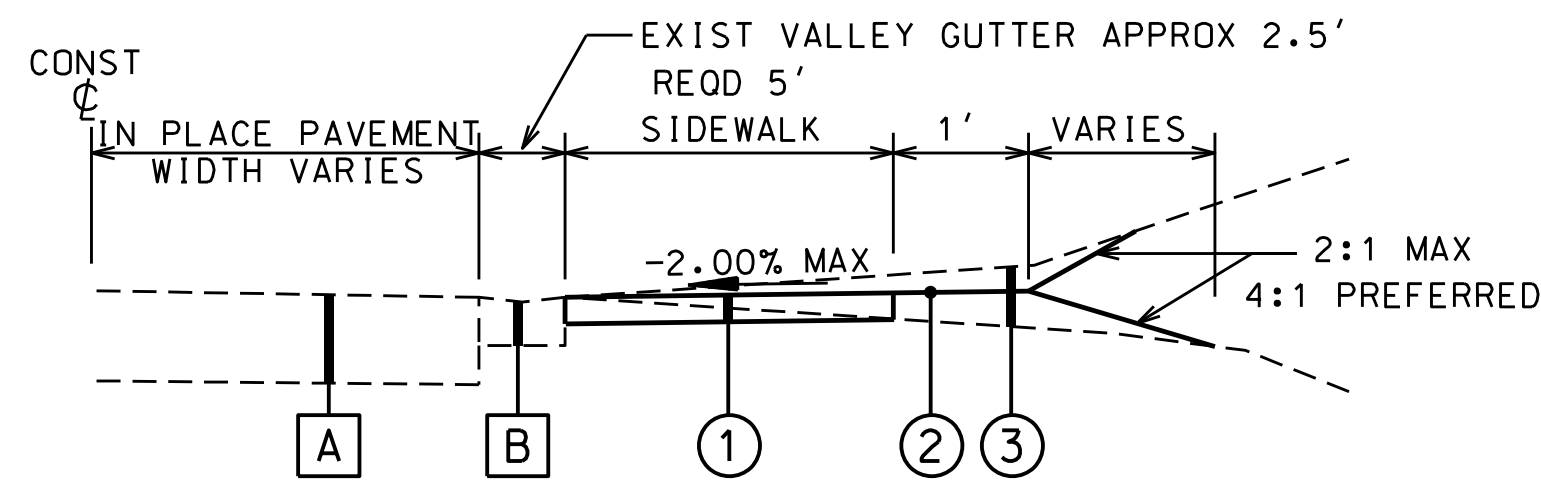
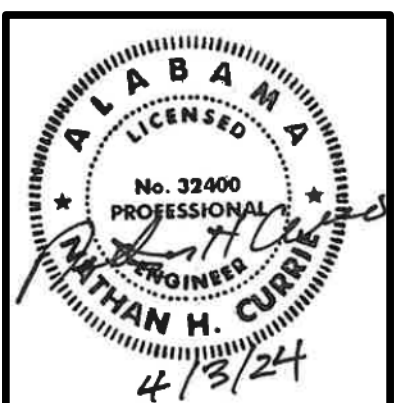
Two Perimeter Park South  
 Suite 500 East  
 Birmingham, Alabama 35243  
 Phone: (205) 940-6420  
 Website: www.sain.com

## SAIN ASSOCIATES

DRAWING NAME: TITLE SHEET  
 PROJECT NAME: SIDEWALK ON NORTH WOODRIDGE ROAD  
 LOCATION: MOUNTAIN BROOK, ALABAMA  
 FOR: CITY OF MOUNTAIN BROOK

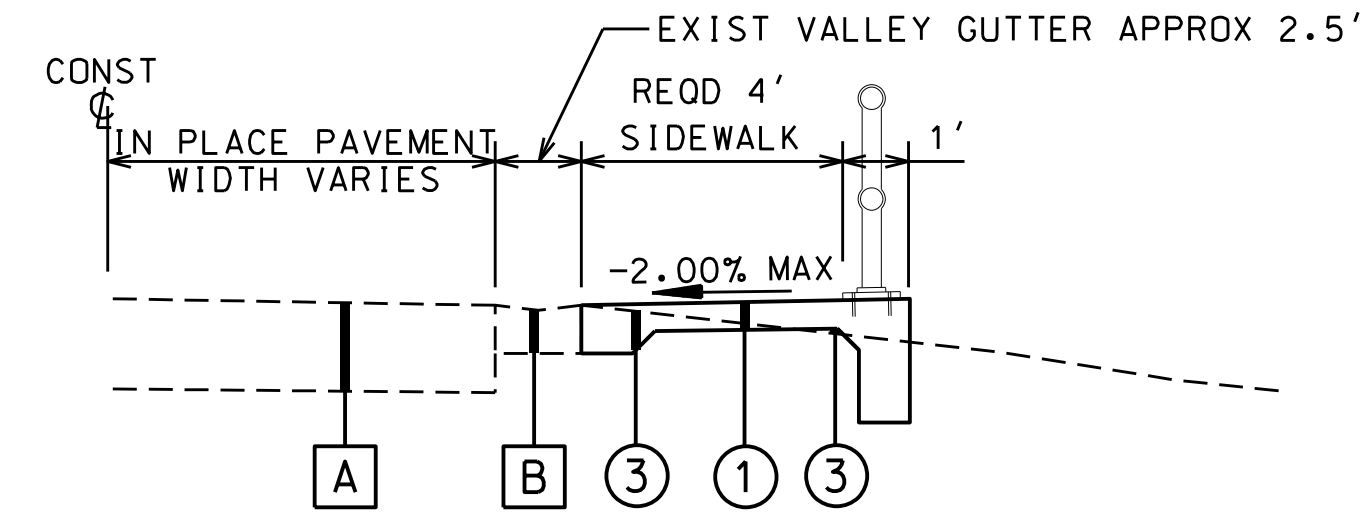
DRN. BY	JOB NO.
SRH	23-0297
CKD. BY	SCALE
AB	NTS
PROJ. MGR.	DATE
NC	04-05-24

SHEET NO.  
 1



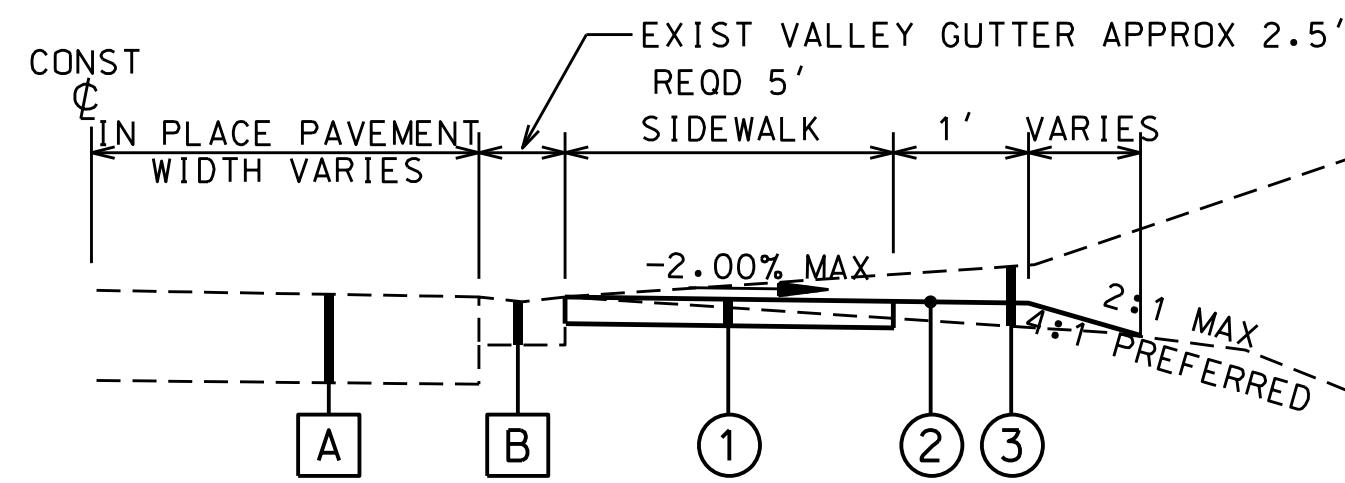
**SIDEWALK DETAIL (RT)**

STA. 11+26.20 TO STA. 11+29.00  
 STA. 13+77.00 TO STA. 13+89.16  
 STA. 14+09.16 TO STA. 14+10.91  
 STA. 14+65.35 TO STA. 14+67.52  
 STA. 14+89.57 TO STA. 16+30.99  
 STA. 16+70.00 TO STA. 18+50.00  
 STA. 19+81.65 TO STA. 21+75.00



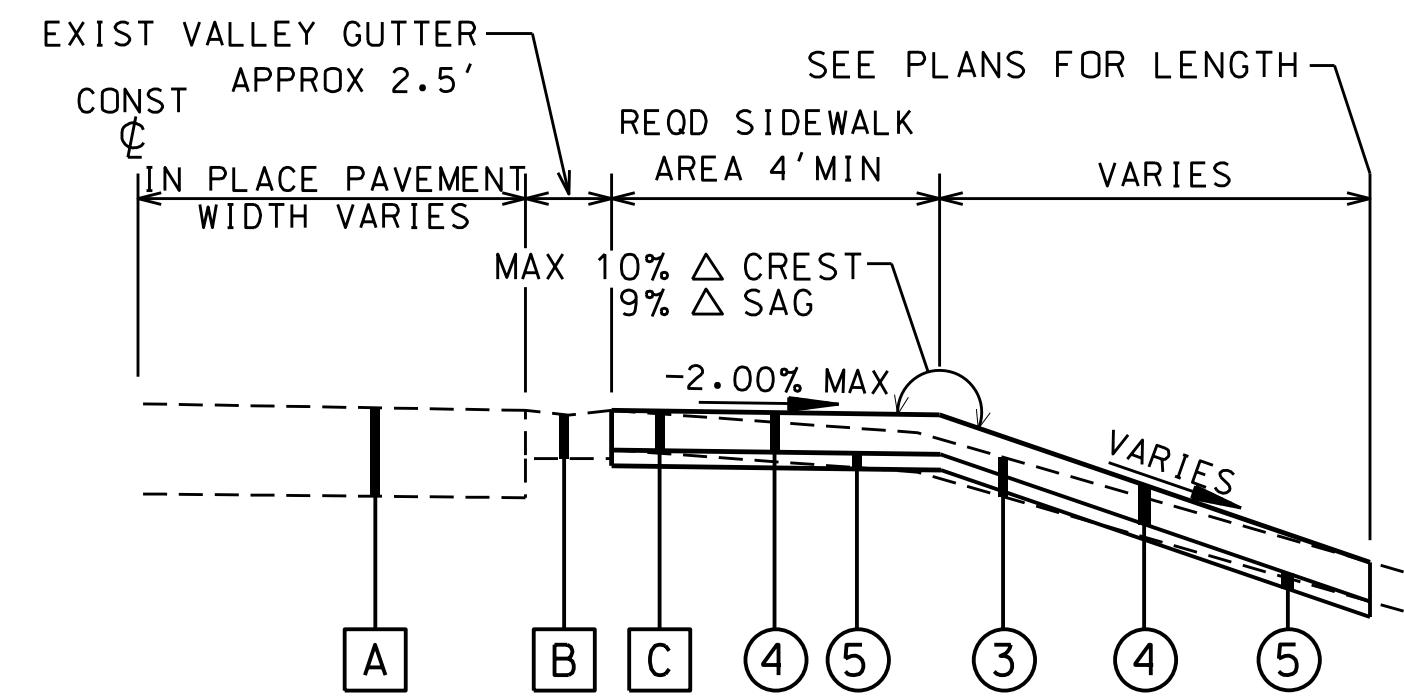
**4' SIDEWALK W/RETAINING WALL DETAIL RT**

STA. 18+50.00 TO STA. 18+82.02  
 STA. 18+87.72 TO STA. 19+45.00



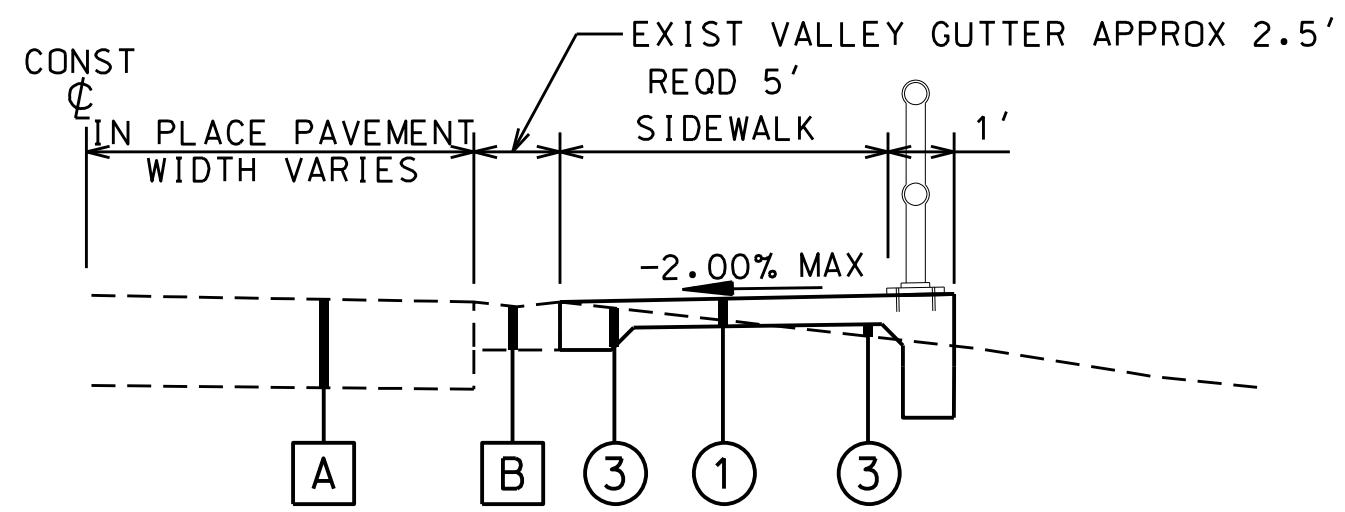
**SIDEWALK DETAIL (RT)**

STA. 14+10.91 TO STA. 14+65.35  
 STA. 22+31.60 TO STA. 25+10.29  
 STA. 25+25.29 TO STA. 26+27.48  
 STA. 26+42.48 TO STA. 27+08.27



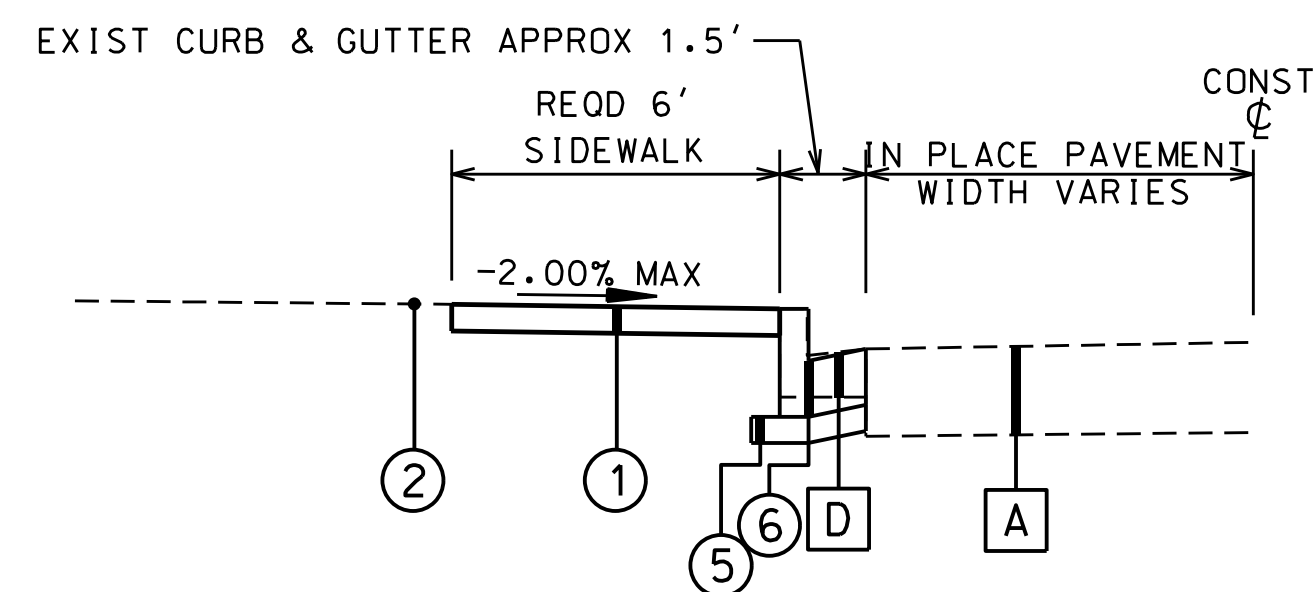
**CONCRETE DRIVEWAY DETAIL**

REF. PLAN SHEETS FOR LOCATIONS  
 NOTE:  
 MATCH EXISTING CROWN. IF NO CROWN IS IN PLACE,  
 MATCH EXISTING CROSS SLOPE.



**5' SIDEWALK W/RETAINING WALL DETAIL (RT)**

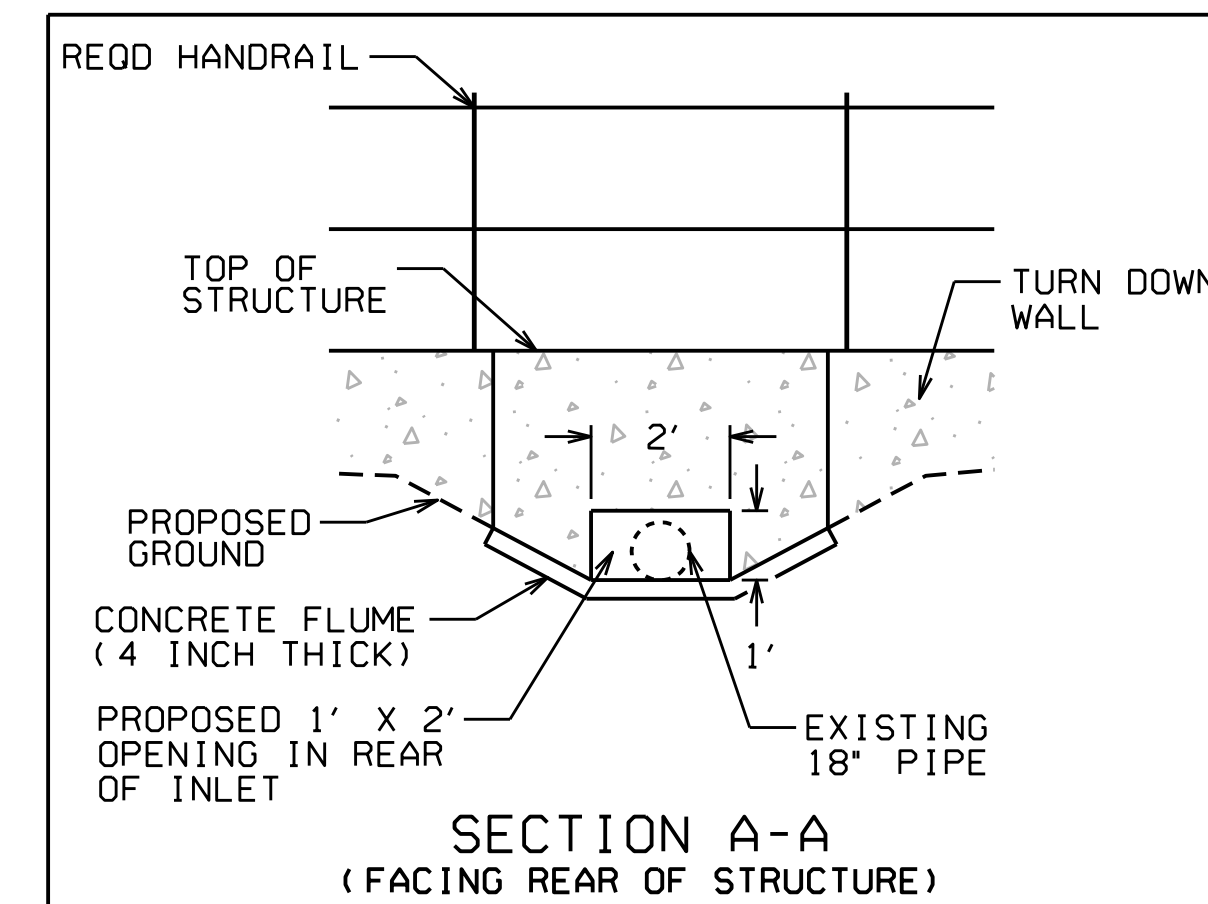
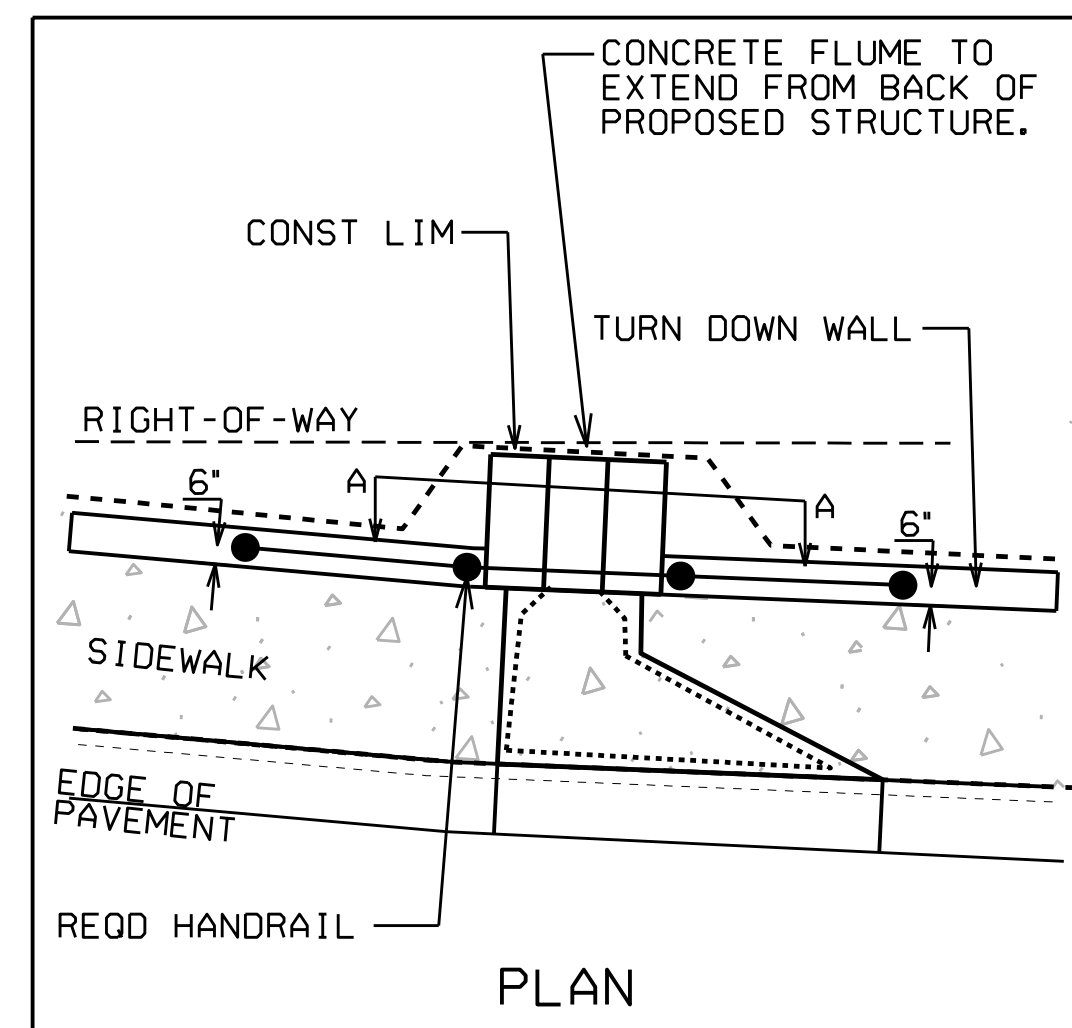
STA. 10+36.33 TO STA. 11+06.00  
 STA. 11+29.00 TO STA. 13+77.00



**SIDEWALK DETAIL (LT)**

STA. 10+30.00 TO STA. 10+75.00

**INLET TY S3 (1 WING) SPECIAL DETAIL**



**IN-PLACE AND REQUIRED MATERIALS LEGEND**

LEGEND	DESCRIPTION
①	CONCRETE SIDEWALK, 4" THICK
②	SOLID SOD
③	UNCLASSIFIED EXCAVATION OR BORROW EXCAVATION
④	CONCRETE DRIVEWAY, 6" THICK
⑤	COARSE AGGREGATE, SECTION 801, FOR MISCELLANEOUS USE (3" THICK); ALDOT ITEM 305A-051
⑥	COMBINATION CURB & GUTTER, TYPE C (MODIFIED)
A	IN PLACE PAVEMENT (RETAIN)
B	IN PLACE CONCRETE GUTTER (RETAIN)
C	IN PLACE DRIVEWAY (REMOVE)
D	IN PLACE CURB & GUTTER (REMOVE)

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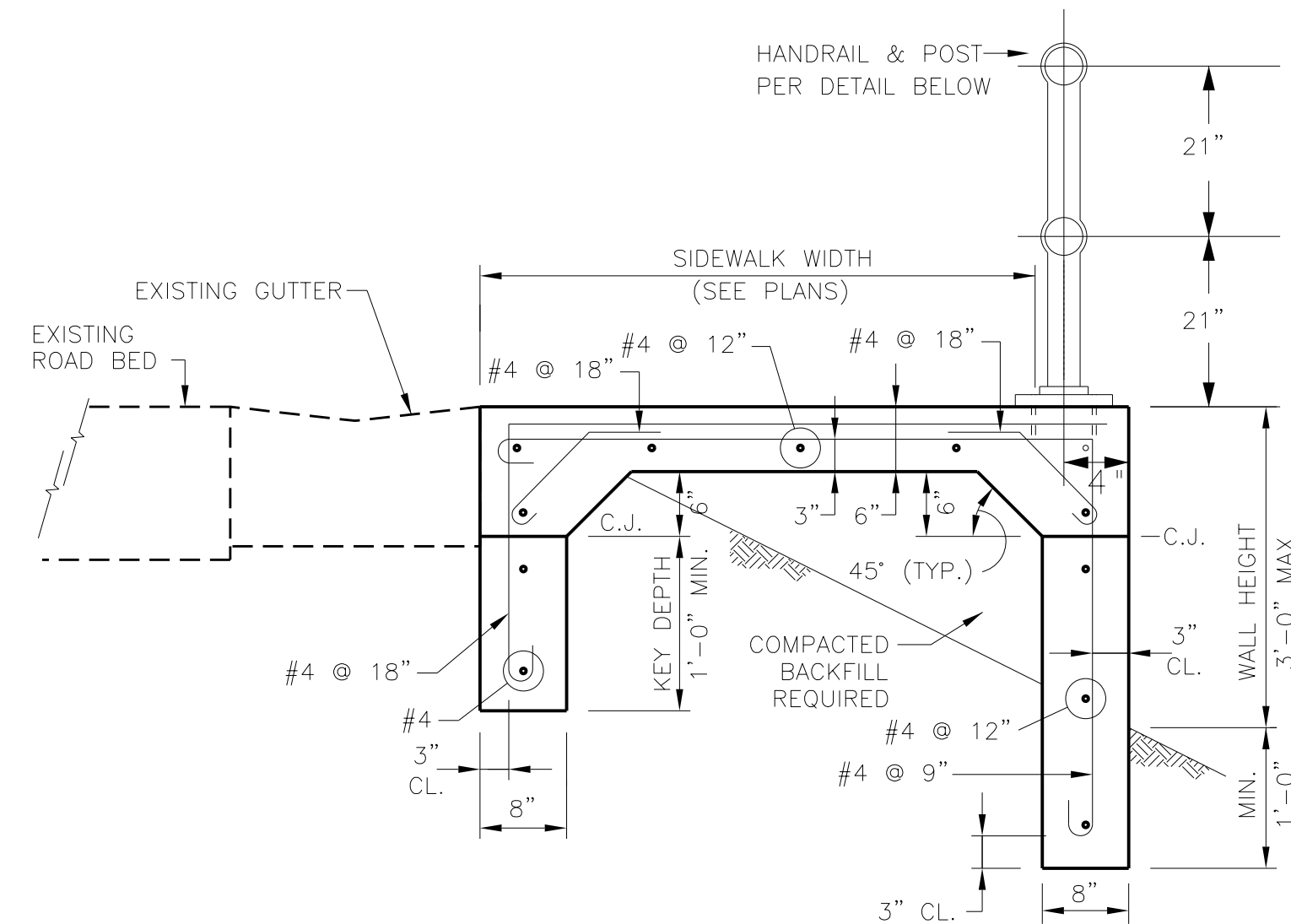
**SAIN ASSOCIATES**

**TYPICAL SECTIONS**

**SIDEWALK ON NORTH WOODRIDGE ROAD**  
 MOUNTAIN BROOK, ALABAMA  
 FOR CITY OF MOUNTAIN BROOK

DRN. BY	JOB NO.
SRH	23-0297
CKD. BY	SCALE
AB	1" = 20'
PROJ. MGR.	DATE
NC	04-05-24

SHEET NO. **2**



KEY DEPTH	WALL HEIGHT
1'-0"	1'-0"
1'-4"	2'-0"
1'-8"	3'-0" MAX.

LOADS:  
SURCHARGE = 0 PSF

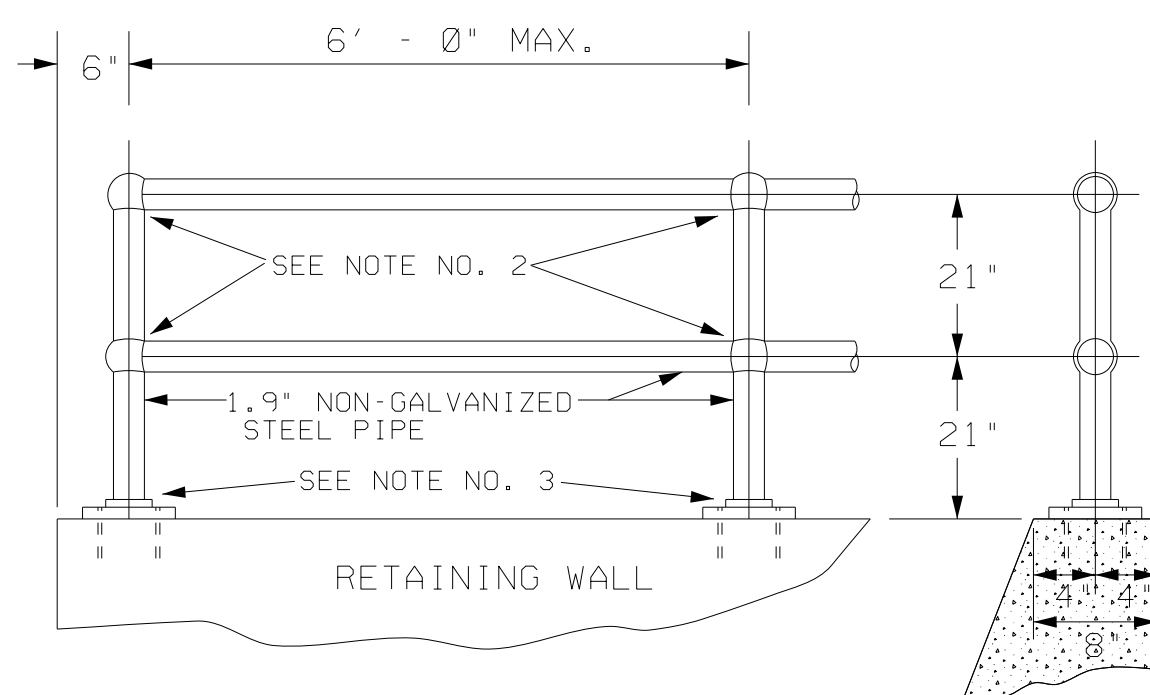
MATERIALS:  
CONCRETE ----- f'c = 3,000 PSI  
REINFORCING ----- fy = 60,000 PSI

SOIL PROPERTIES:  
SOIL WEIGHT = 110 PCF  
φ = 28°  
C = 0  
ALLOWABLE SOIL PRESSURE = 3,000 PSF

- NOTE:
- CONTRACTOR MUST TEMPORARILY SUPPORT FOOTING WALLS UNTIL TOP SLAB IS IN PLACE.
  - CONTRACTOR TO PROVIDE COMPACTED BACKFILL UNDER SLAB

**TURN-DOWN SIDEWALK WALL DETAIL S1**  
N.T.S

NOTE: IF WALL IS LONG, AND EXPANSION AND CONTRACTION JOINTS ARE USED IN THE WALL, SLIP JOINTS ARE TO BE PROVIDED FOR IN THAT SECTION OF HANDRAILING OVER THE EXPANSION OR CONTRACTION JOINT, STRIPPING THE THREADS IN THE PART OF THE BALL FITTINGS WHERE REQUIRED TO FORM A SLIP JOINT WILL BE PERMITTED.



NOTE: PIPE, PIPE FITTINGS, FLOOR FLANGES AND BOLTS SHALL BE OF AN APPROVED STANDARD TYPE.

**HANDRAIL DETAIL FOR TURN-DOWN SIDEWALK WALL**  
N.T.S

- HANDRAIL AND POST SHALL BE 1.9" NON-GALVANIZED STEEL PIPE, BLACK POWDER COATED OR 1.9" BLACK POLYKOTE SS40 PIPE. ASSOCIATED HARDWARE SHALL ALSO BE BLACK POWDER COATED.
- JOINTS -
  - NON-GALVANIZED BLACK POWDER COATED STEEL FITTINGS OR COUPLINGS MAY BE USED AT JOINTS (AS SHOWN) IF RAIL IS PRE-FABRICATED.  
--OR--
  - IF RAIL IS CONSTRUCTED ON-SITE, JOINTS MAY BE WELDED. IF WELDED, ALL EXPOSED JOINTS SHALL BE FINISHED BY GRINDING OR FILLING TO GIVE A NEAT APPEARANCE. ALL DAMAGE TO STEEL SHALL BE REPAIRED IN ACCORDANCE WITH THE GA STANDARD SPECIFICATIONS. JOINTS TO BE PAINTED BLACK AFTER INSTALLATION.
- FOOTINGS -
  - POST MAY BE ANCHORED WITH 2 1/2" X 6 1/2" NON-GALVANIZED BLACK POWDER COATED FLOOR FLANGES WITH 4 - 1/2" X 9" NON-GALVANIZED BLACK POWDER COATED BOLTS (AS SHOWN).  
--OR--
  - POST MAY BE GROUTED IN 6" DEEP, 3" DIAM. HOLE. TOTAL LENGTH OF POST WILL BE 6" GREATER THAN THAT IN DETAILS TO GIVE SAME USEABLE HEIGHT AS IF FLOOR FLANGES WERE USED.
- 1.9" DENOTES O.D. FOR RAIL SECTIONS. I.D. - 1 1/2".

**STANDARD DRAWINGS**

THE FOLLOWING ARE SPECIAL AND STANDARD DRAWINGS CONTAINED IN THE STATE OF ALABAMA DEPARTMENT OF TRANSPORTATION SPECIAL AND STANDARD HIGHWAY DRAWINGS BOOK (U. S. CUSTOMARY UNITS OF MEASUREMENT) DATED 2024 WHICH APPLY TO THIS PROJECT.

20900	<b>MAILBOX RESET</b>			
20901	1231	MB-209-1	(SHEET 1 OF 3)	DETAILS OF MOUNTING MAILBOXES
20902	1232	MB-209-1	(SHEET 2 OF 3)	DETAILS OF MOUNTING MAILBOXES
20903	1233	MB-209-1	(SHEET 3 OF 3)	DETAILS OF MOUNTING MAILBOXES
61800	<b>CONCRETE SIDEWALKS AND DRIVEWAYS</b>			
61801	750	SW-618	(SHEET 1 OF 4)	CURB RAMP DETAIL CALLOUTS, GENERAL NOTES FOR CURB RAMP AND SIDEWALKS, AND DETAILS
61802	751	SW-618	(SHEET 2 OF 4)	CORNER CURB RAMP
61803	752	SW-618	(SHEET 3 OF 4)	MIDBLOCK CURB RAMP
61804	753	SW-618	(SHEET 4 OF 4)	SIDEWALKS & CURB RAMP AT DRIVEWAYS, RAILROAD, MEDIAN, & ISLAND CROSSINGS
62100	<b>INLETS, JUNCTION BOXES, MANHOLES, AND MISCELLANEOUS DRAINAGE STRUCTURES</b>			
	<b>INLETS</b>			
62133	645	I-621-S		REINFORCED CONCRETE STORM SEWER INLET TYPES S3 AND S4
62137	649	I-621-S (PC)	(SHEET 1 OF 3)	PRECAST CONCRETE STORM SEWER INLET TYPES S1 AND S2
62138	649-A	I-621-S (PC)	(SHEET 2 OF 3)	PRECAST CONCRETE STORM SEWER INLET TYPES S1 AND S2
62139	649-B	I-621-S (PC)	(SHEET 3 OF 3)	PRECAST CONCRETE STORM SEWER INLET TYPES S1 AND S2
62300	<b>CURB, GUTTER, AND COMBINATION CURB AND GUTTER</b>			
62307	703	623-XY		DETAILS OF CONCRETE CURBS AND CONCRETE CURB & GUTTER COMBINATIONS, SLOPING AND VERTICAL TYPES
66500	<b>TEMPORARY SEDIMENT AND EROSION CONTROL</b>			
66501	1160	ESC-100-1		BEST MANAGEMENT PRACTICE REFERENCE MATRIX
66502	1160-A	ESC-100-2		BEST MANAGEMENT PRACTICE REFERENCE MATRIX
66505	1161	ESC-200-1		TYPICAL TEMPORARY EROSION / SEDIMENT CONTROL APPLICATIONS
66506	1161-A	ESC-200-2		DETAILS OF TEMPORARY SLOPE DRAIN, BERMS, AND ENERGY DISSIPATOR
66507	1161-B	ESC-200-3		DETAILS OF SEDIMENT BARRIER APPLICATIONS
66508	1161-C	ESC-200-4		DETAILS OF SILT FENCE INSTALLATION
66509	1161-D	ESC-200-5		DETAILS OF SEDIMENT RETENTION BARRIER
66512	1162	ESC-300-1		DITCH CHECK STRUCTURES, TYPICAL APPLICATIONS AND DETAILS
66513	1162-A	ESC-300-2		DETAILS OF HAY BALE DITCH CHECKS
66514	1162-B	ESC-300-3		DETAILS OF SANDBAG DITCH CHECK
66515	1162-C	ESC-300-4		DETAILS OF EROSION CONTROL WATTLE DITCH CHECKS
66516	1162-D	ESC-300-5		DETAILS OF SILT DIKE DITCH CHECKS
66517	1162-E	ESC-300-6		DETAILS OF ROCK DITCH CHECKS
66518	1162-F	ESC-300-7		DETAILS OF ROCK DITCH CHECKS WITH SUMP EXCAVATION
66519	1162-G	ESC-300-8		DETAILS OF SILT FENCE DITCH CHECKS
66522	1163	ESC-400-1		INLET PROTECTION TYPICAL APPLICATIONS AND DETAILS
66523	1163-A	ESC-400-2		INLET PROTECTION DETAILS FOR COARSE AGGREGATE ON GRADES AND SAGS
66524	1163-B	ESC-400-3		INLET PROTECTION DETAILS OF WATTLES
66525	1163-C	ESC-400-4		INLET PROTECTION DETAILS OF SILT FENCE
66526	1163-D	ESC-400-5		INLET PROTECTION DETAILS OF SAND BAGS
66529	1164	ESC-501		FLOATING BASIN BOOM
66532	1165	ESC-502		STABILIZED CONSTRUCTION ENTRANCE
66535	1166	ESC-503		TEMPORARY DEWATERING STRUCTURES
66538	1167	ESC-504		TEMPORARY CULVERT STREAM CROSSING
66541	1168	ESC-505		TEMPORARY STREAM DIVERSION
66544	1169	ESC-506-1		SUSPENDED PIPE DIVERSION (DOWNSTREAM)
66545	1169-A	ESC-506-2		SUSPENDED PIPE DIVERSION (UPSTREAM)
66548	1170	ESC-507		TEMPORARY SEDIMENTATION BASIN
70300	<b>SCHOOL ZONE CROSSING AND MARKINGS</b>			
70308	CW-703			TYPICAL CROSSWALK LAYOUTS AND DETAILS
71000	<b>ROADWAY SIGN INSTALLATION</b>			
71017		IHS-710-12		DETAILS OF ROADWAY SIGN POST (SMALL CHANNEL AND TUBULAR SECTION)
71032		IHS-710-21		DETAILS FOR LOCATION AND MOUNTING OF STANDARD FLAT PANEL SIGNS ON U-CHANNEL AND TUBULAR POSTS
71035		IHS-710-23		LIGHTWEIGHT STRUCTURAL SIGN SUPPORT INSTALLATIONS
71060	1301	SHS-1		STANDARD HIGHWAY SIGNS
71066	1307	SHS-7		STANDARD HIGHWAY SIGNS
71079	1317	SHS-17		STANDARD HIGHWAY SIGNS
71080	1318	SHS-18		STANDARD HIGHWAY SIGNS
71093	1329	SHS-29		STANDARD HIGHWAY SIGNS
74000	<b>TRAFFIC CONTROL DEVICES FOR CONSTRUCTION WORK ZONES</b>			
74007	1045	TCD-100		DETAILS OF TRAFFIC CHANNELIZATION DEVICES



NO.	REVISIONS DESCRIPTION	DATE

**SAIN ASSOCIATES**

Two Perimeter Park South  
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Birmingham, Alabama 35243  
Phone: (205) 940-6420  
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**DETAILS**

**SIDEWALK ON NORTH WOODRIDGE ROAD**  
MOUNTAIN BROOK, ALABAMA  
FOR CITY OF MOUNTAIN BROOK

DRN. BY	JOB NO.
SRH	23-0297
CKD. BY	SCALE
AB	1" = 20'
PROJ. MGR.	DATE
NC	04-05-24

SHEET NO.  
**2A**

# PROJECT NOTES

1. ANY EXISTING STRUCTURE, PIPE OR UTILITY DISTURBED OR DAMAGED BY THE CONTRACTOR DURING CONSTRUCTION OPERATIONS SHALL BE REPLACED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER AND/OR THE ENGINEER.
2. CONTRACTOR'S WORK SHALL BE IN CONFORMANCE WITH THE LATEST EDITION OF ALDOT SPECIFICATIONS FOR ALL WORK WITHIN THE COUNTY/CITY ROW. CONTRACTOR SHALL ALSO CONFORM TO ADEM EROSION CONTROL SPECIFICATIONS.
3. THIS PROJECT SHALL BE CONSTRUCTED IN ACCORDANCE WITH ALL CITY, COUNTY, STATE, AND FEDERAL CONSTRUCTION GUIDELINES PERTAINING TO THIS PROJECT, OR AS DIRECTED BY THE ENGINEER OR AS REVISED PER PLAN
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COST OF TESTING AND SHALL PROVIDE COPIES OF REPORTS TO THE CITY.
5. ALL TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH PART 6 OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) CURRENT EDITION.
6. THE CONTRACTOR WILL BE RESPONSIBLE FOR CLEANING DIRT AND DEBRIS FROM THE ADJOINING STREETS DURING CONSTRUCTION. ANY DAMAGE TO ADJOINING AND EXISTING STREETS MUST BE REPAIRED BY THE CONTRACTOR DURING THE CONSTRUCTION AT NO ADDITIONAL COST TO THE CITY OF MOUNTAIN BROOK OR OWNER.
7. THERE SHALL BE NO FUEL TANKS STORED ON THE RIGHT OF WAY. IN ADDITION, NO FUEL TRUCKS OR VEHICLES TRANSPORTING CHEMICALS, FERTILIZER, ETC., SHALL BE LEFT UNATTENDED ON THE RIGHT OF WAY.
8. CONTRACTOR TO CONTACT THE CITY OF MOUNTAIN BROOK 48 HOURS PRIOR TO STARTING WORK.
9. DENSITY REQUIREMENTS FOR SUBGRADE UNDER REQUIRED DRIVEWAY, SIDEWALK, GUTTER, AND CURB AND GUTTER ARE WAIVED AND COMPACTION SHALL BE TO THE SATISFACTION OF THE ENGINEER. COMPACTION SHALL BE A SUBSIDIARY OBLIGATION OF PAY ITEMS FOR THE ABOVE LAYER.
10. SOLID SOD IS REQUIRED FOR ANY DISTURBED AREA. THE CONTRACTOR SHALL MATCH THE KIND OF SOD THAT IS IN PLACE.
11. EXPOSED CONCRETE (SIDEWALK, CURB, INLETS, ETC.) SHALL BE COLORED WITH COLORING ADDED AT THE PLANT. CONCRETE COLOR REQUIRES: (A) NO FLY ASH IN MIX; (B) ALABAMA OCHRE (OR EQUAL) COLORING ADDED AT 9 LBS/CY. CONTRACTOR SHALL COORDINATE WITH THE ENGINEER FOR THE APPROVAL OF A TEST SECTION NO SMALLER THAN 5' X 5'. APPROVAL OF COLOR WILL BE BASED ON VISUAL INSPECTION BY THE ENGINEER OF THE FULLY CURED TEST SECTION. THE COLOR ADDITIVE SHALL BE A SUBSIDIARY OF THE ITEM BEING PLACED. ALABAMA OCHRE IS A COLOR PRODUCED BY ALABAMA PIGMENTS COMPANY, 346 RICKEY ROAD, MCCALLA, AL 35111, 800-531-1172, AND IS PROVIDED FOR COLOR REFERENCE.
12. IT IS THE INTENT OF THE DESIGN FOR DRIVEWAYS TO BE MODIFIED TO MEET ADA. A MAXIMUM 2.00% CROSS-SLOPE OF THE PEDESTRIAN PATH IS REQUIRED WHERE FEASIBLE.
13. ANY MAILBOX IN CONFLICT WITH THE REQUIRED IMPROVEMENTS SHALL BE REMOVED AND REPLACED WITH A STANDARD MAILBOX WITH BREAKAWAY POST, UNLESS OTHERWISE NOTED IN THE PLANS. CONTRACTOR SHALL COORDINATE THE DISPOSAL OF THE MATERIAL WITH THE PROPERTY OWNER AS TO WHETHER THE PROPERTY OWNER WOULD DESIRE TO KEEP THE MATERIAL OR CONTRACTOR HAUL OFF.
14. ANY UNDERGROUND LINES, SUCH AS IRRIGATION, DOG FENCE OR ELECTRICAL LOCATED IN THE R.O.W. AND IN CONFLICT WITH THE REQUIRED IMPROVEMENTS SHALL BE REMOVED AND CUT AND CAPPED IN SUCH A MANNER THAT THE PROPERTY OWNER CAN RESTORE IT FOR THEIR USE.
15. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO CONTACT THE VARIOUS UTILITY OWNERS AND DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES ON THIS PROJECT WHETHER SHOWN ON THE PLANS OR NOT. THE LOCATION OF ANY REQUIRED SIGNS, FOOTINGS OF ANY NATURE AND/OR ELECTRICAL/COMMUNICATIONS CONDUITS MAY BE ADJUSTED AS DIRECTED BY THE ENGINEER TO PREVENT ANY CONFLICTS WITH THESE UTILITIES. UTILITY LINE LOCATE REQUESTS WILL BE LIMITED TO INCREMENTS NOT TO EXCEED 2000 LINEAR FEET PER WORKING DAY OPERATION.
16. THERE IS NO NPDES PERMIT REQUIRED FOR THIS PROJECT AS THE DISTURBED AREA IS LESS THAN 1 ACRE.
17. SCHEDULE AND CONSTRUCTION OF REQUIRED DRIVEWAYS SHALL BE COORDINATED WITH THE PROPERTY OWNER. ALL WEATHER ACCESS MAY NEED TO BE MAINTAINED.
18. IF IN CONFLICT WITH IMPROVEMENTS, REMOVE AND GIVE TO OWNERS ANY PERSONAL ITEMS SUCH AS BRICKS OR DECORATIVE ITEMS.

19. LANE CLOSURES WILL BE ALLOWED BETWEEN 8:15 AM AND 4:45 PM MONDAY THROUGH FRIDAY.
  20. PROJECT CLEARING LIMITS ARE CONGRUENT WITH THE CONSTRUCTION LIMITS SHOWN IN THE PLANS. NO ADDITIONAL CLEARING IS ALLOWED WITHOUT THE APPROVAL OF THE CITY.
  21. TREES (STA 11+30 - 13+30 RT AND STA 14+20 - 14+65 RT) SHALL ONLY BE REMOVED IF NECESSARY FOR SIDEWALK INSTALLATION. MARK/FLAG REMOVAL TREES FOR APPROVAL BY CITY AND PROPERTY OWNER PRIOR TO REMOVAL. CARE AROUND THE ROOTS ON RETAINED TREES SHALL BE TAKEN TO AVOID DAMAGE.
  22. CONTRACTOR TO COORDINATE WITH PROPERTY OWNER REGARDING REMOVAL OR RELOCATION OF LARGE BOULDERS BETWEEN STA 16+19 AND STA 18+66. BASED ON PRIOR COMMUNICATION WITH HOMEOWNERS, BOULDERS ARE TO BE RELOCATED BEHIND PROPOSED SIDEWALK.
- BWWB NOTES:**
23. WATER METERS TO BE RESET ARE TO BE PLACED BEHIND THE REQUIRED SIDEWALK WITHIN THE RIGHT-OF-WAY.
  24. IF THE EXISTING WATER METER ONLY HAS TO BE RAISED VERTICALLY, THE SERVICE WILL NOT NEED TO BE REPLACED. IF THE EXISTING WATER METER MUST BE MOVED HORIZONTALLY, A NEW SERVICE LINE WILL HAVE TO BE INSTALLED. INSTALLATION OF THE NEW SERVICE LINE, WHERE REQUIRED, SHALL BE A SUBSIDIARY OBLIGATION TO REQUIRED WATER METER AND BOX RESETS.
  25. WATER VALVES TO BE RESET MAY REMAIN IN PLACE BUT SHALL BE ADJUSTED TO THE GRADE OF THE REQUIRED SIDEWALK.
  26. RESET OF WATER METERS, WATER VALVES AND SERVICE LINES TO BE PERFORMED BY A BIRMINGHAM WATER WORKS APPROVED CONTRACTOR. CONTACT BIRMINGHAM WATER WORKS FOR A LIST OF APPROVED CONTRACTORS AND TO PURCHASE WATER METERS AND VALVES.
  27. CONTRACTOR SHALL VERIFY LOCATION AND DEPTH OF EXIST WATER MAIN OWNED BY BIRMINGHAM WATER WORKS BOARD PRIOR TO CONSTRUCTION. THE WATERLINE IS TO BE RETAINED AND ANY CONFLICTS ARE TO BE REPORTED TO THE CITY.
- EROSION CONTROL NOTES:**
28. THE CONTRACTOR SHALL COMPLY WITH THE LOCAL JURISDICTION, ALABAMA HANDBOOK FOR EROSION AND SEDIMENT CONTROL, THE EROSION CONTROL PLANS PREPARED FOR THIS PROJECT, AND ALL FEDERAL, STATE AND LOCAL REGULATIONS.
  29. BEST MANAGEMENT PRACTICES (BMP'S) AND CONTROLS SHALL CONFORM TO FEDERAL, STATE, OR LOCAL REQUIREMENTS OR MANUAL OF PRACTICE, AS APPLICABLE CONTRACTOR SHALL IMPLEMENT ADDITIONAL CONTROLS AS DIRECTED BY THE ENGINEER. ALL EROSION AND SEDIMENT CONTROL (BMP) MEASURES SHALL BE INSTALLED TO THE SATISFACTION OF THE ENGINEER.
  30. THE CONTRACTOR SHALL PROTECT THE PUBLIC RIGHTS-OF-WAY FROM SEDIMENT, MUD, CONSTRUCTION DEBRIS OR OTHER POTENTIAL POLLUTANTS AS A RESULT OF CONSTRUCTION ACTIVITIES ASSOCIATED WITH THIS CONSTRUCTION PROJECT. PREVENT SEDIMENT AND OTHER MATERIALS FROM ENTERING THE PUBLIC STORM DRAINAGE SYSTEM. THE CONTRACTOR SHALL REMOVE SEDIMENT AND OTHER MATERIALS THAT HAVE BEEN TRACKED OR DISCHARGED OR ACCUMULATED IN THE PUBLIC RIGHTS-OF-WAY AS A RESULT OF PROJECT CONSTRUCTION ACTIVITIES.
  31. THE CONTRACTOR SHALL PROVIDE ALL MATERIALS, TOOLS, EQUIPMENT AND LABOR AS NECESSARY TO INSTALL AND MAINTAIN ADEQUATE EROSION AND SILTATION CONTROLS REQUIRED TO PREVENT SOIL EROSION FROM LEAVING THE PROJECT SITE. IT SHALL BE THE CONTRACTOR'S SOLE RESPONSIBILITY TO ENSURE THAT METHODS UTILIZED ARE ADEQUATE AND COMPLY WITH REQUIREMENTS OF THE SPECIFICATIONS.
  32. THE CONTRACTOR SHALL INSTALL EROSION CONTROL MEASURES AS SHOWN ON THE DRAWINGS PRIOR TO BEGINNING EARTHWORK OPERATIONS.
  33. THE CONTRACTOR SHALL MINIMIZE CLEARING TO THE MAXIMUM EXTENT PRACTICAL.
  34. ALL WASH WATER (CONCRETE TRUCKS, VEHICLE CLEANING, EQUIPMENT CLEANING, ETC.) SHALL BE DETAINED AND PROPERLY TREATED OR DISPOSED.
  35. ALL CONSTRUCTION SHALL BE STABILIZED AT THE END OF EACH WORKING DAY.
  36. THE CONTRACTOR SHALL BE FAMILIAR WITH THE PROJECT EROSION CONTROL PLAN AND THESE NOTES.



NO.	REVISIONS DESCRIPTION	DATE

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## SAIN ASSOCIATES

DRAWING NAME

PROJECT NOTES

SIDEWALK ON NORTH WOODRIDGE ROAD MOUNTAIN BROOK, ALABAMA FOR CITY OF MOUNTAIN BROOK

DRN. BY SRH	JOB NO. 23-0297
CKD. BY AB	SCALE 1" = 20'
PROJ. MGR. NC	DATE 04-05-24

SHEET NO.

## 2B



NO.	REVISIONS	DESCRIPTION
	BY: C/O	DATE

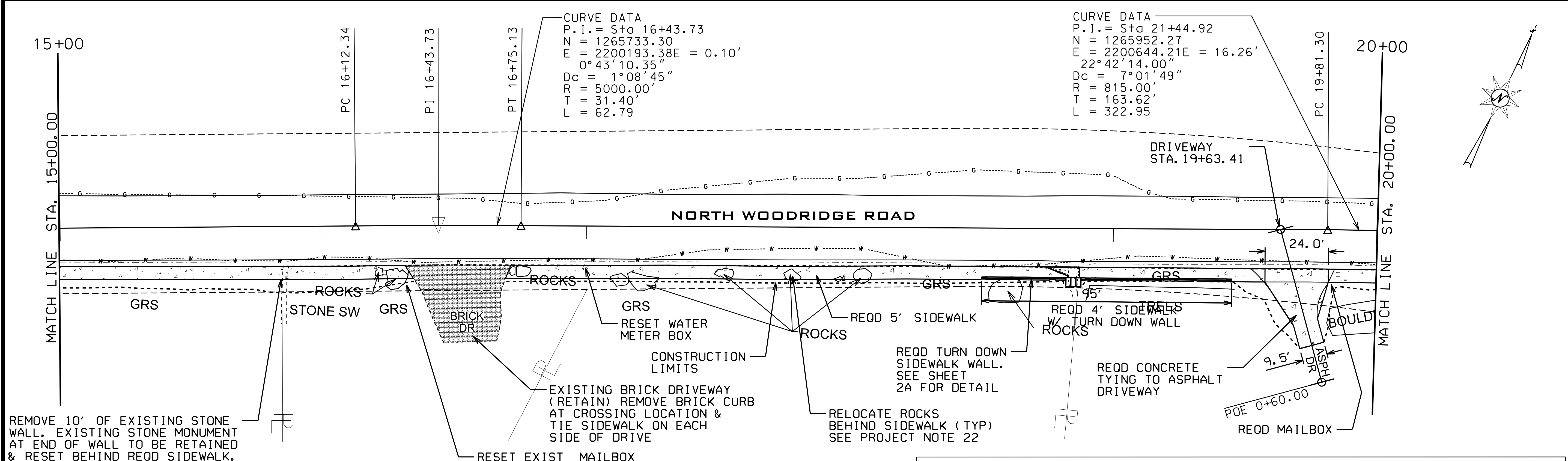
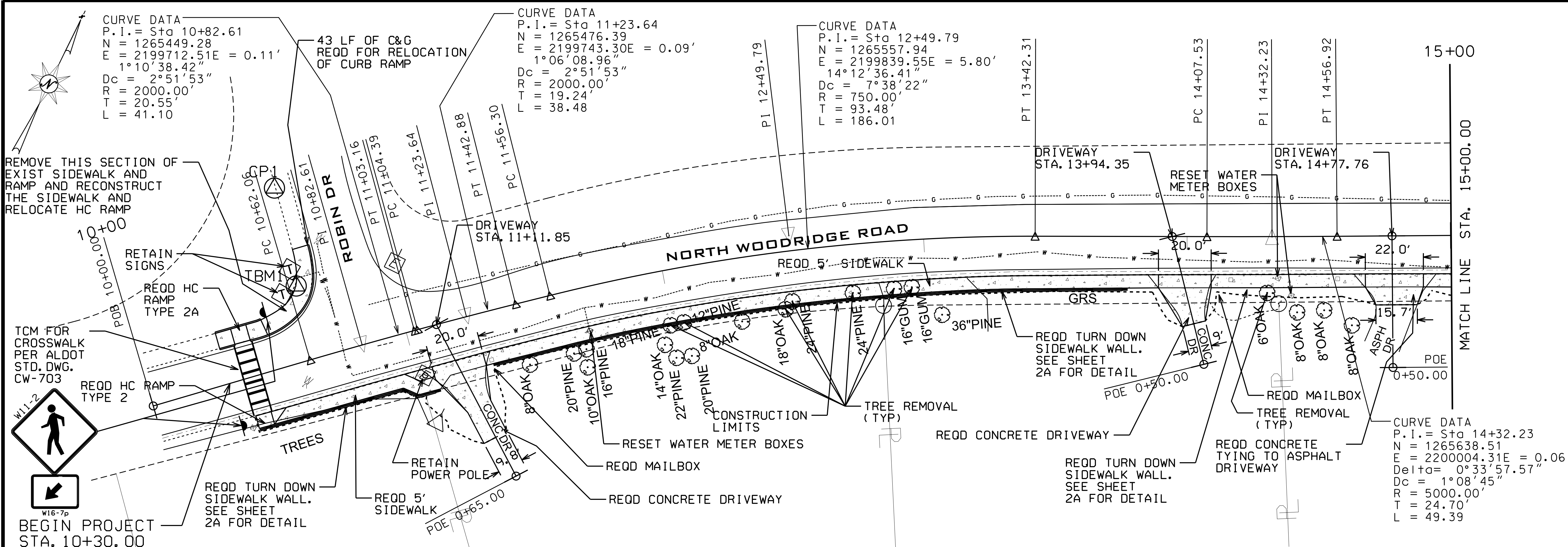
Two Perimeter Park South  
 Suite 500 East  
 Birmingham, Alabama 35243  
 Phone: (205) 940-6420  
 Website: www.sain.com

**SAIN ASSOCIATES**

DRAWING NAME: PLAN SHEET  
 SIDEWALK ON NORTH WOODRIDGE ROAD  
 MOUNTAIN BROOK, ALABAMA  
 FOR CITY OF MOUNTAIN BROOK

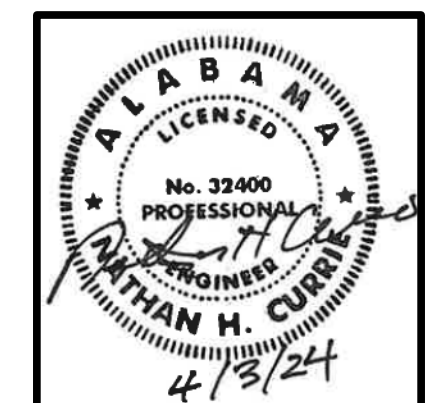
DRN. BY SRH	JOB NO. 23-0297
CKD. BY AB	SCALE 1" = 20'
PROJ. MGR. NC	DATE 04-05-24

SHEET NO. 3



HORIZONTAL CONTROL POINTS LISTING AND DESCRIPTION

POINT NO.	N	E	ELEV.	DESCRIPTION	STA.	OFFSET
CP1	1, 265, 487. 989	2, 199, 656. 410	-----	REBAR AND CAP	10+67.29	66.46' LT
TBM1	1, 265, 458. 245	2, 199, 680. 227	-----	FH	10+64.82	28.44' LT



NO.	REVISIONS DESCRIPTION	BY	DATE

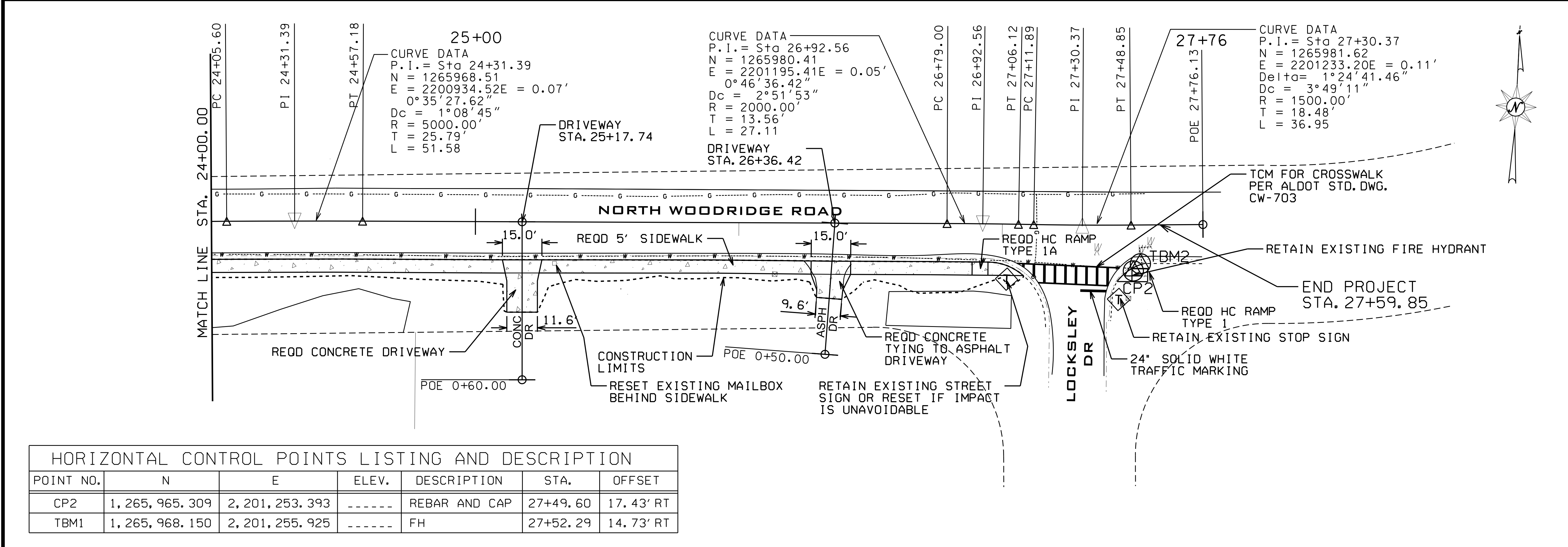
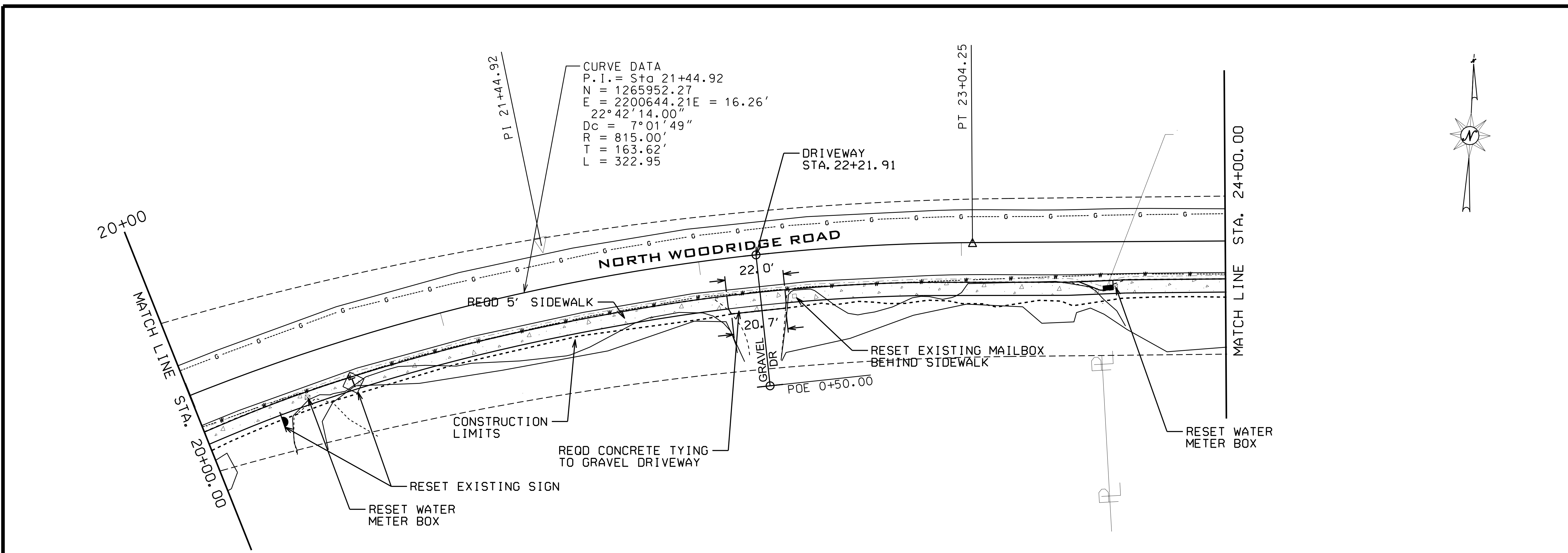
Two Perimeter Park South  
 Suite 500 East  
 Birmingham, Alabama 35243  
 Phone: (205) 940-6420  
 Website: www.sain.com

**SAIN ASSOCIATES**

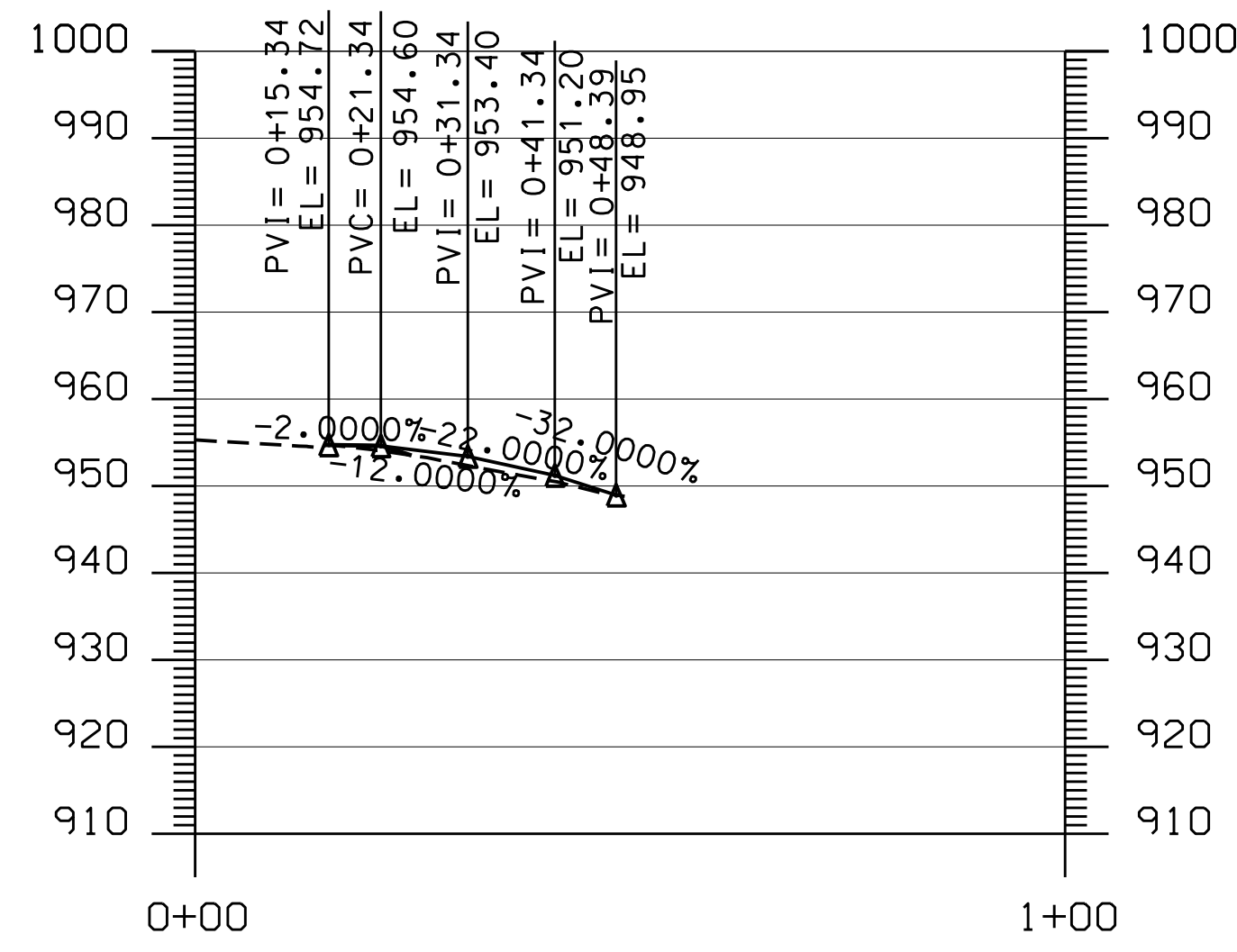
DRAWING NAME: PLAN SHEET  
 PROJECT: SIDEWALK ON NORTH WOODRIDGE ROAD  
 LOCATION: MOUNTAIN BROOK, ALABAMA  
 FOR: CITY OF MOUNTAIN BROOK

DRN. BY	JOB NO.
SRH	23-0297
CKD. BY	SCALE
AB	1" = 20'
PROJ. MGR.	DATE
NC	04-05-24

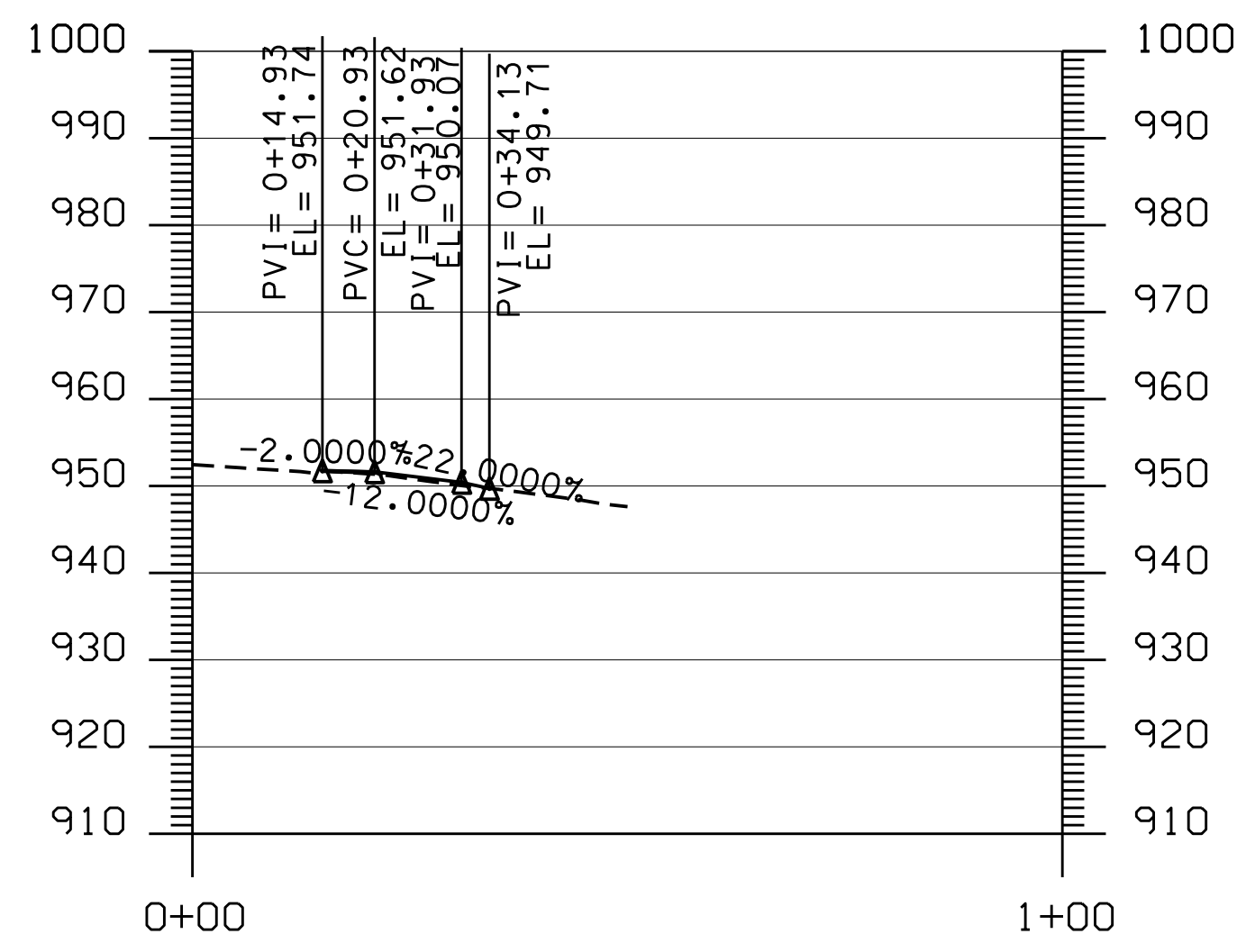
SHEET NO. 4



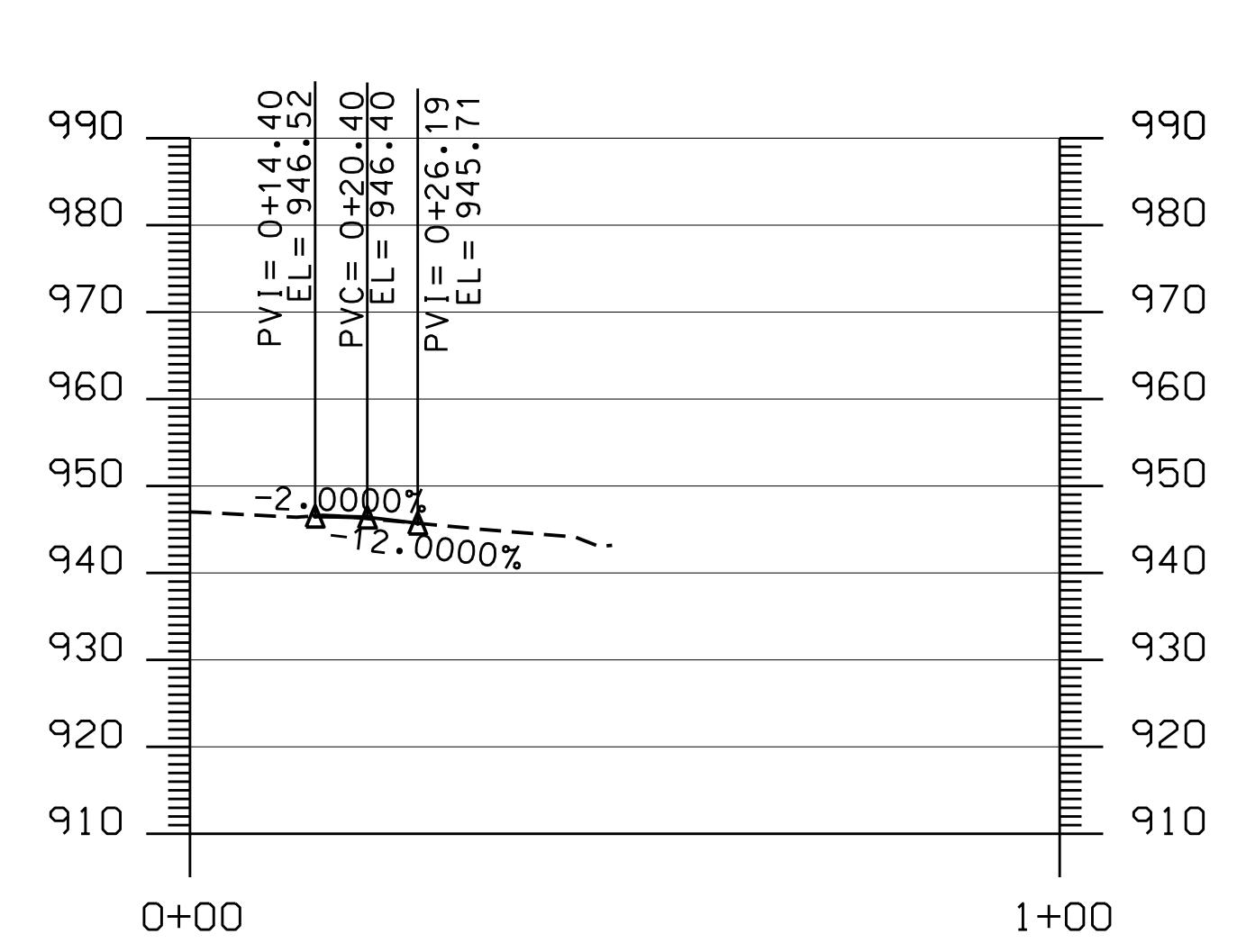
POINT NO.	N	E	ELEV.	DESCRIPTION	STA.	OFFSET
CP2	1,265,965.309	2,201,253.393	-----	REBAR AND CAP	27+49.60	17.43' RT
TBM1	1,265,968.150	2,201,255.925	-----	FH	27+52.29	14.73' RT



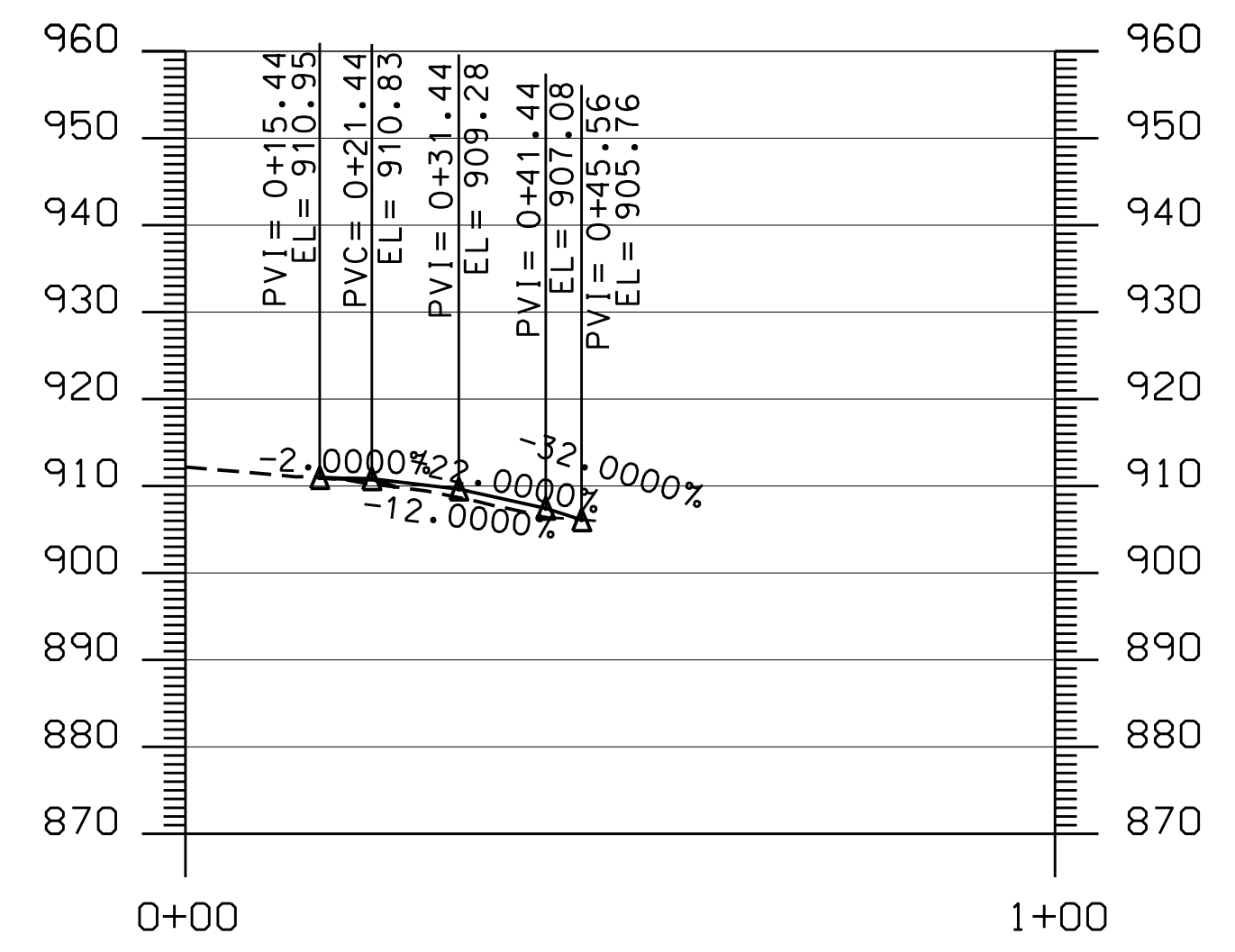
STA. 11+11.85  
SCALE 1" = 20'  
HORIZ / VERT



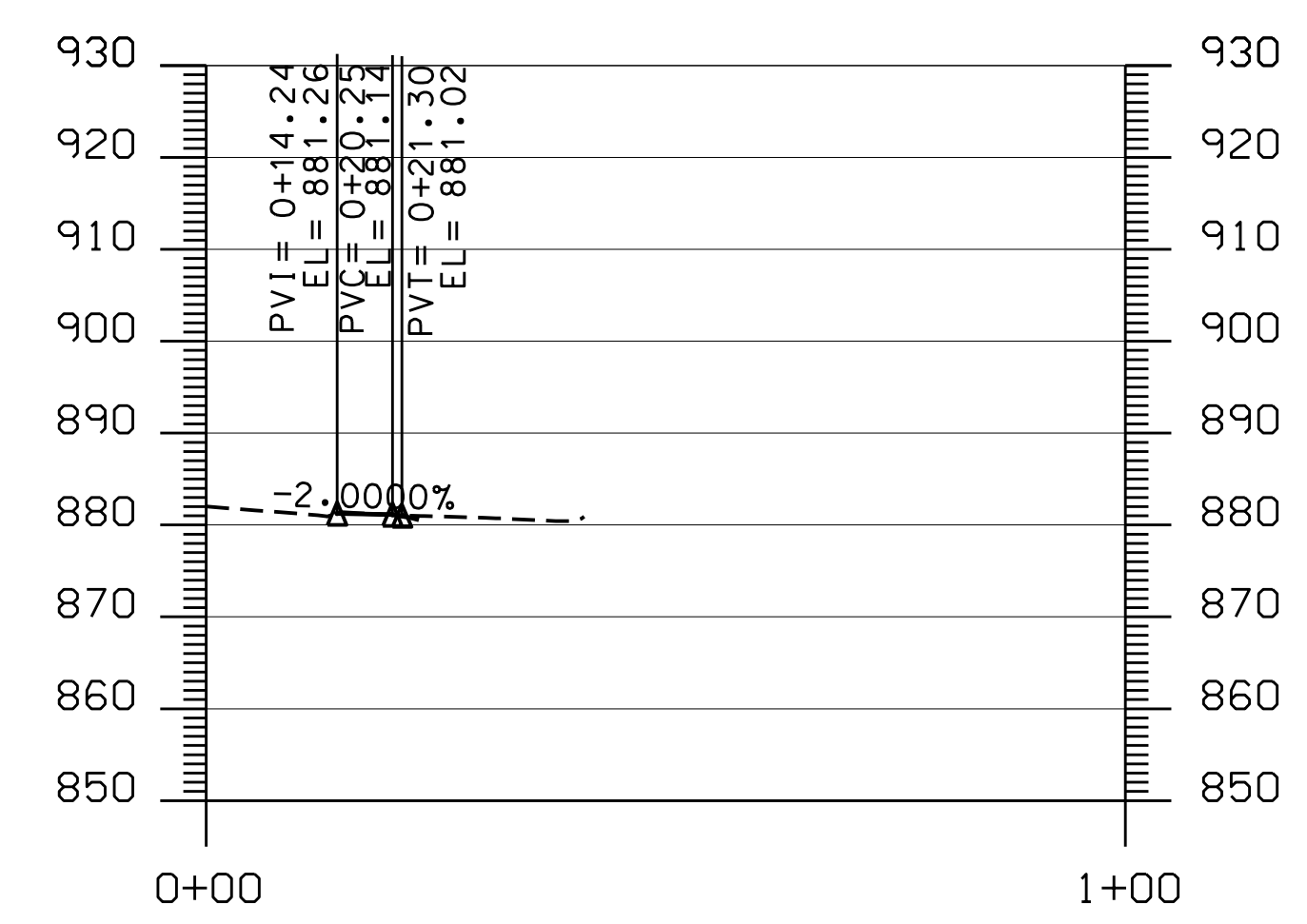
STA. 13+94.35  
SCALE 1" = 20'  
HORIZ / VERT



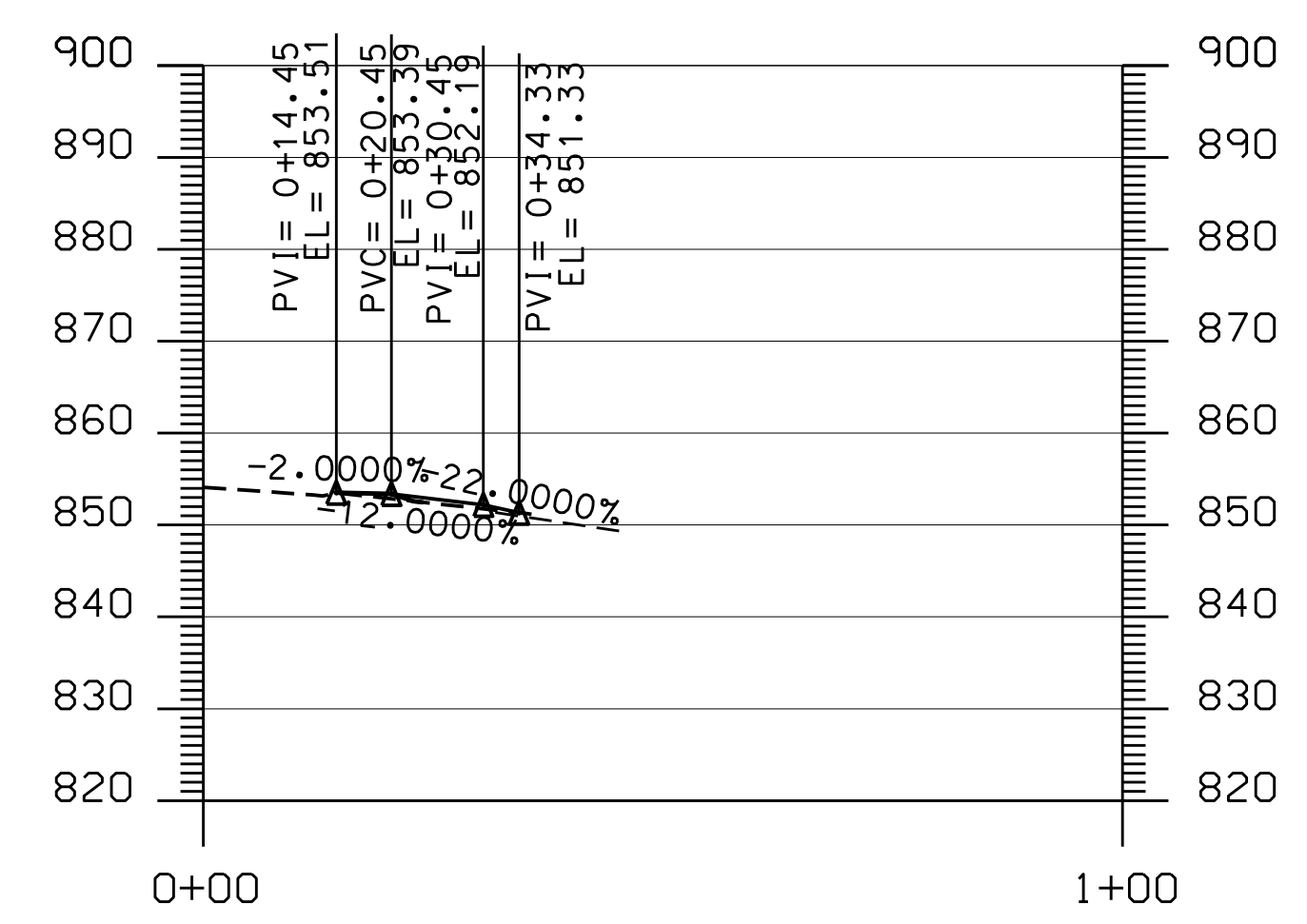
STA. 14+77.76  
SCALE 1" = 20'  
HORIZ / VERT



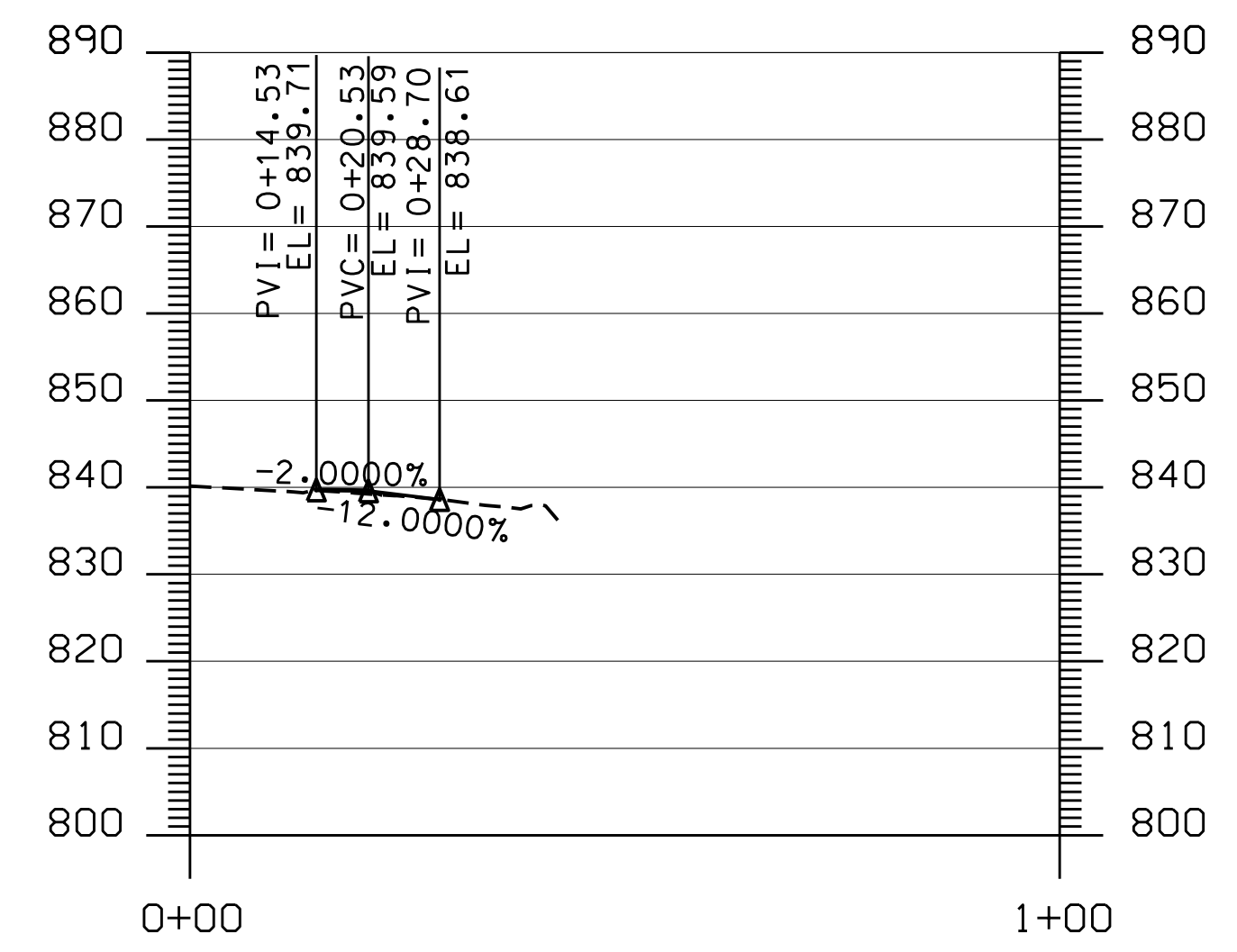
STA. 19+63.41  
SCALE 1" = 20'  
HORIZ / VERT



STA. 22+21.91  
SCALE 1" = 20'  
HORIZ / VERT



STA. 25+17.74  
SCALE 1" = 20'  
HORIZ / VERT



STA. 26+36.42  
SCALE 1" = 20'  
HORIZ / VERT

NO	REVISIONS DESCRIPTION	BY	CD	DATE

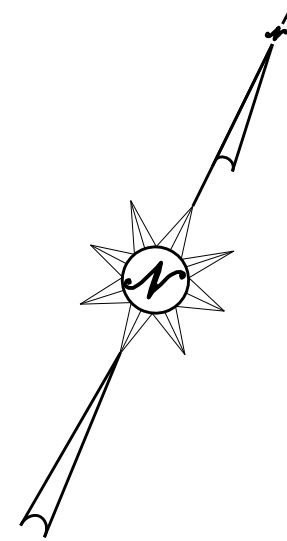
Two Perimeter Park South  
Suite 500 East  
Birmingham, Alabama 35243  
Phone: (205) 940-6420  
Website: www.sain.com

**SAIN ASSOCIATES**

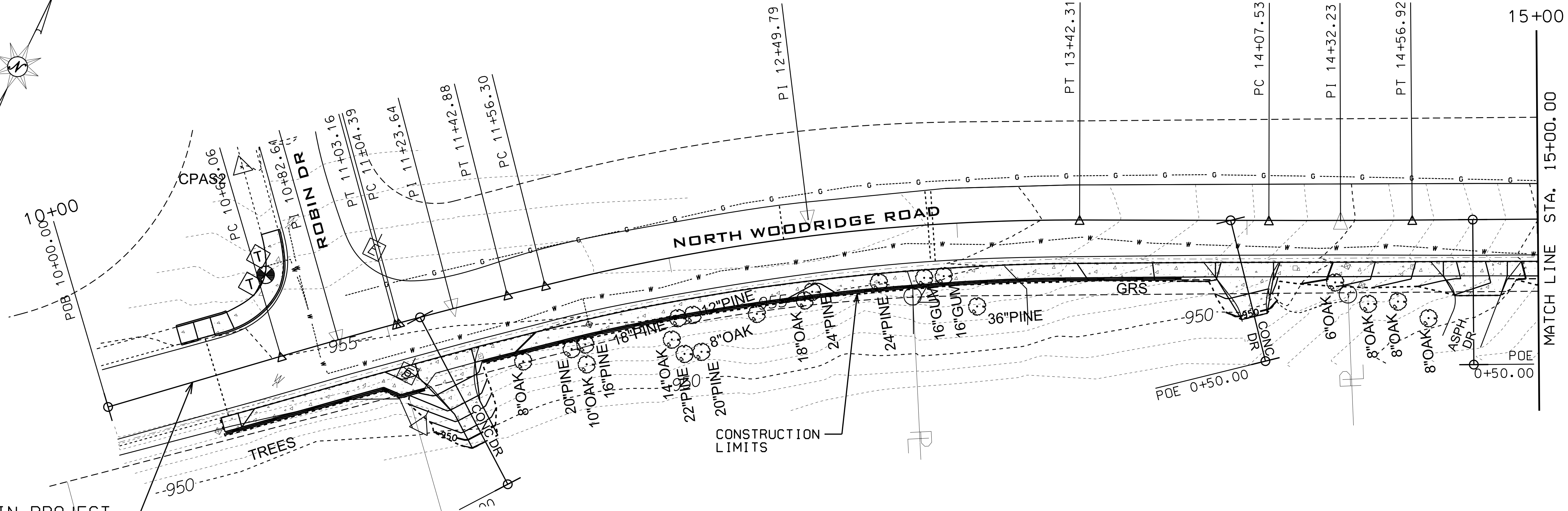
DRAWING NAME: DRIVEWAY PROFILES  
SIDEWALK ON NORTH WOODRIDGE ROAD  
MOUNTAIN BROOK, ALABAMA  
FOR CITY OF MOUNTAIN BROOK

DRN. BY SRH	JOB NO. 23-0297
CKD. BY AB	SCALE 1" = 20'
PROJ. MGR. NC	DATE 04-05-24

SHEET NO.  
**4A**

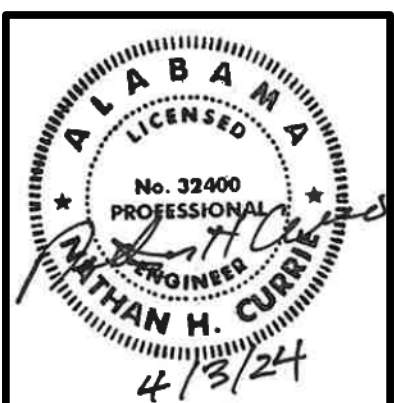


BEGIN PROJECT  
STA. 10+30.00



15+00

MATCH LINE STA. 15+00.00



NO	REVISIONS DESCRIPTION	BY	CD	DATE

Two Perimeter Park South  
Suite 500 East  
Birmingham, Alabama 35243  
Phone: (205) 940-6420  
Website: www.sain.com

**SAIN ASSOCIATES**

DRAWING NAME  
**GRADING & DRAINAGE PLAN SHEET**

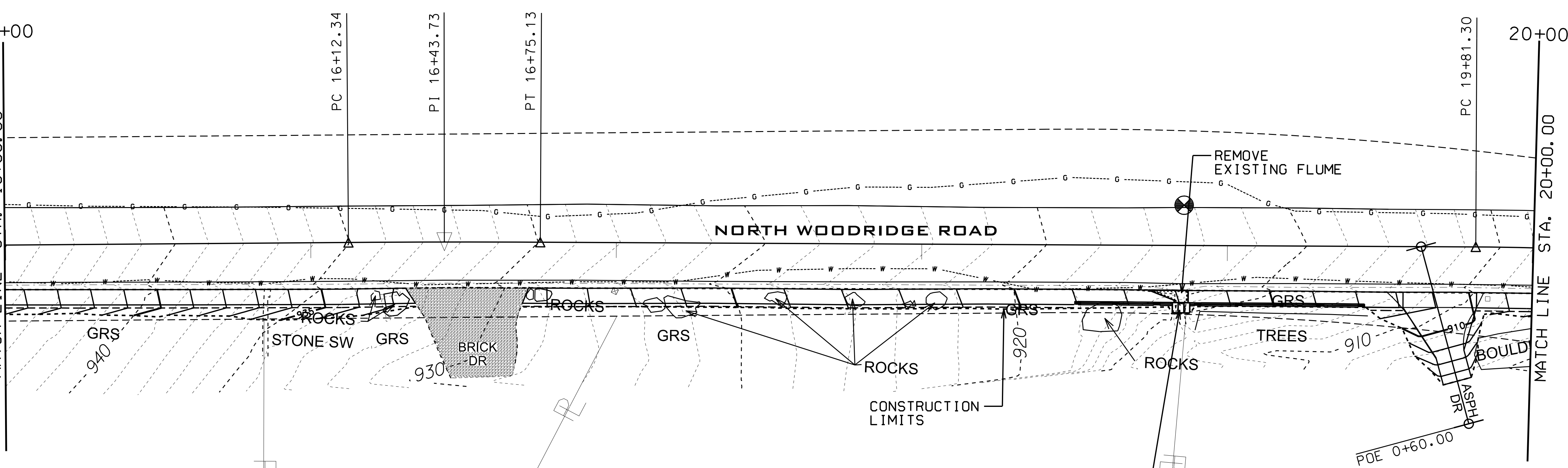
**SIDEWALK ON  
NORTH WOODRIDGE ROAD**  
MOUNTAIN BROOK, ALABAMA  
FOR  
CITY OF MOUNTAIN BROOK

DRN. BY SRH	JOB NO. 23-0297
CKD. BY AB	SCALE 1" = 20'
PROJ. MGR. NC	DATE 04-05-24

SHEET NO.  
**5**

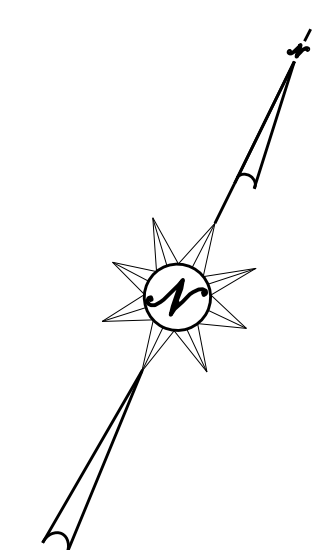
15+00

MATCH LINE STA. 15+00.00



20+00

MATCH LINE STA. 20+00.00



INLET, TYPE S3 (1 WING) (MODIFIED)  
WORKING POINT ELEV = 916.82  
FLOWLINE ELEV = 913.49  
SEE MODIFIED INLET DETAIL ON SHEET 2





NO	REVISIONS DESCRIPTION	BY	CD	DATE

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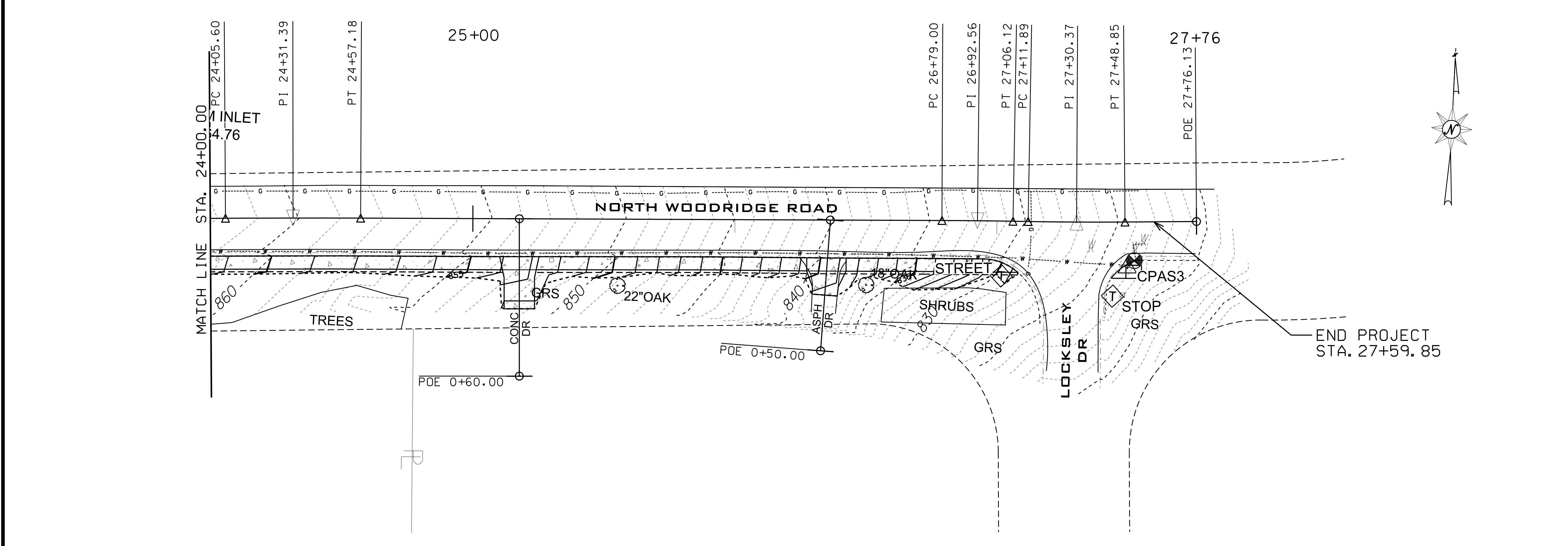
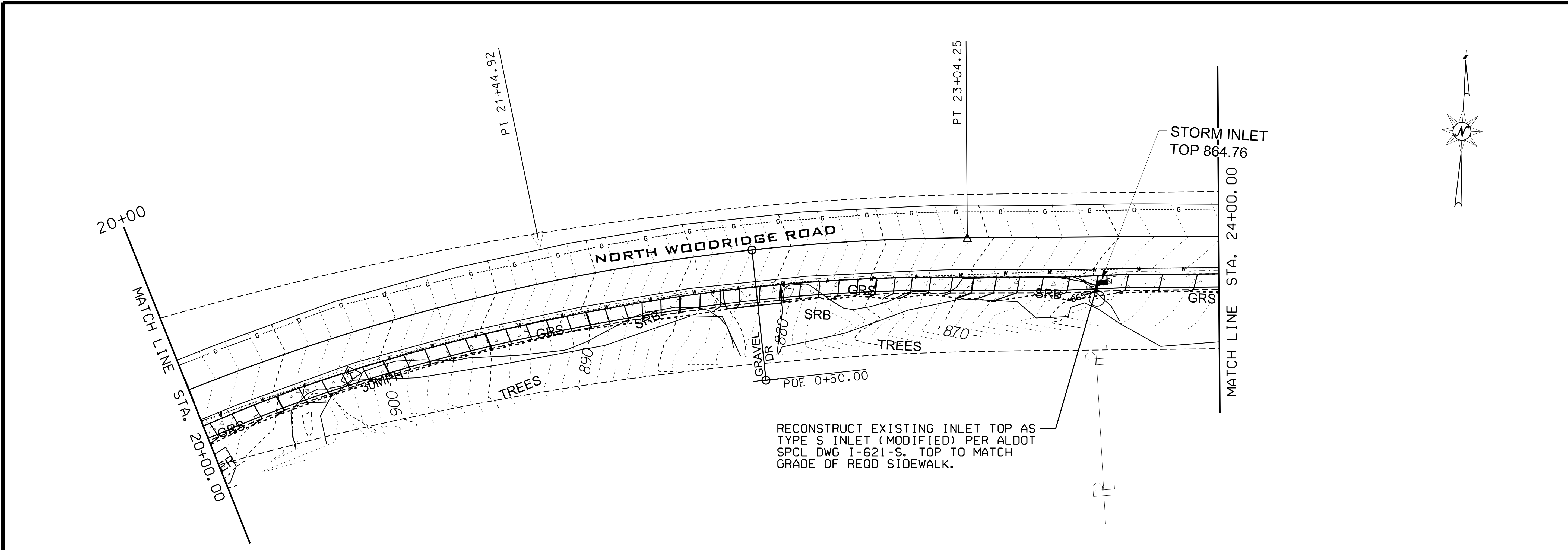
**SAIN ASSOCIATES**

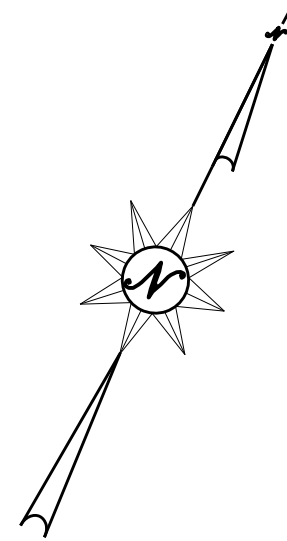
DRAWING NAME  
**GRADING & DRAINAGE PLAN SHEET**

**SIDEWALK ON  
 NORTH WOODRIDGE ROAD**  
 MOUNTAIN BROOK, ALABAMA  
 FOR  
 CITY OF MOUNTAIN BROOK

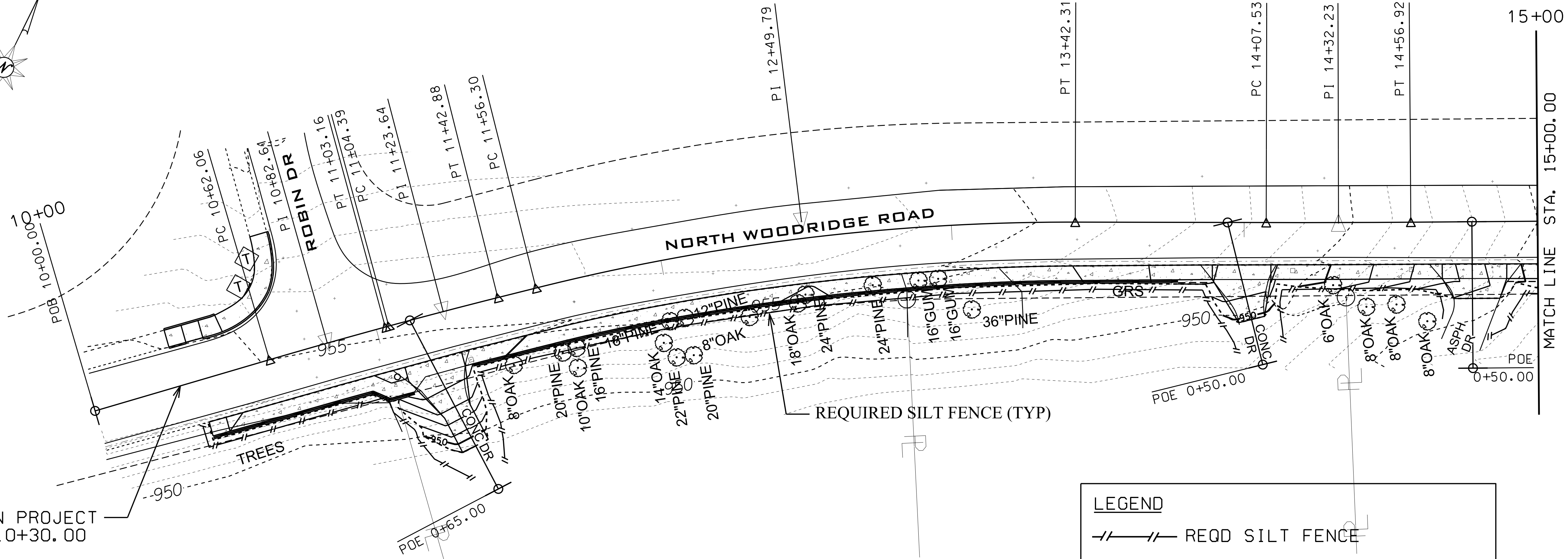
DRN. BY SRH	JOB NO. 23-0297
CKD. BY AB	SCALE 1" = 20'
PROJ. MGR. NC	DATE 04-05-24

SHEET NO.  
**6**



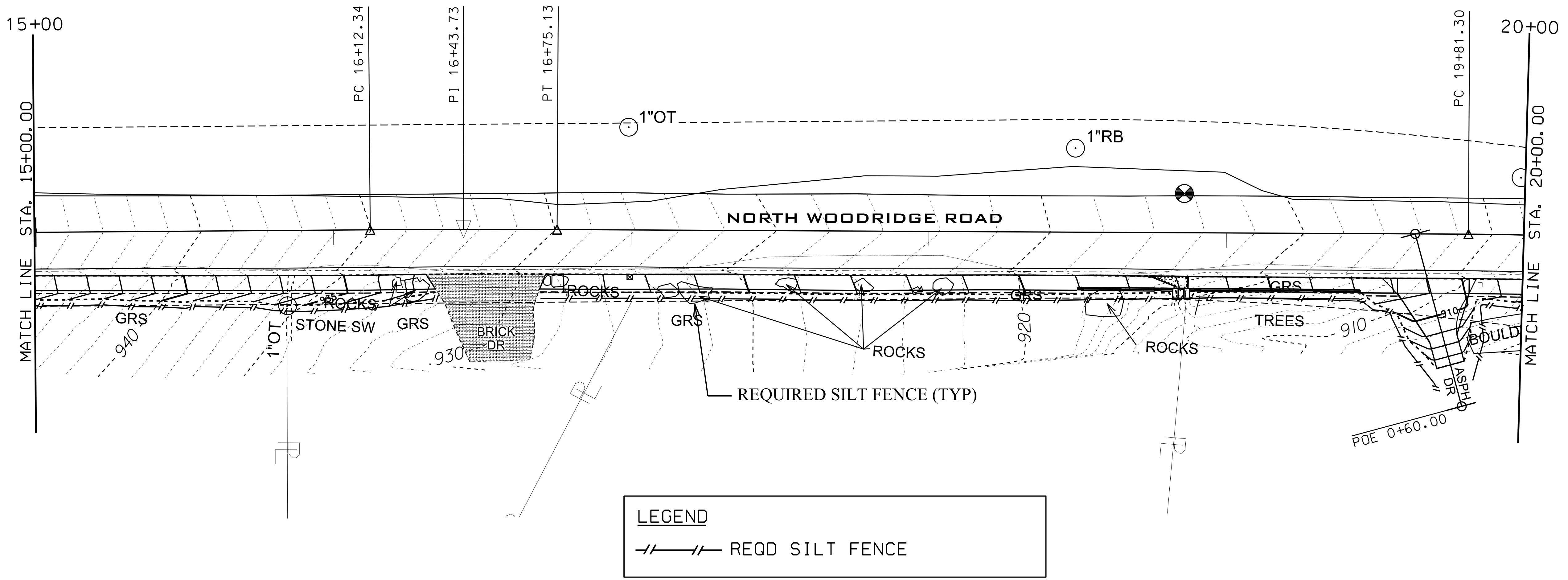


BEGIN PROJECT STA. 10+30.00



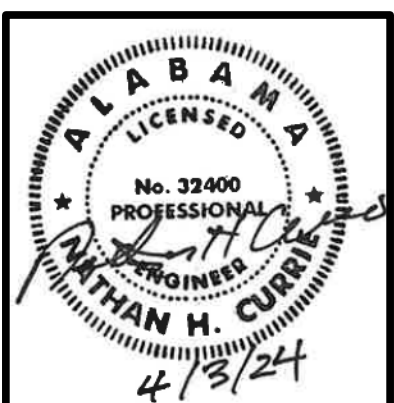
**LEGEND**

--//-- REQD SILT FENCE



**LEGEND**

--//-- REQD SILT FENCE



NO	REVISIONS DESCRIPTION	BY	CD	DATE

Two Perimeter Park South  
 Suite 500 East  
 Birmingham, Alabama 35243  
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 Website: www.sain.com

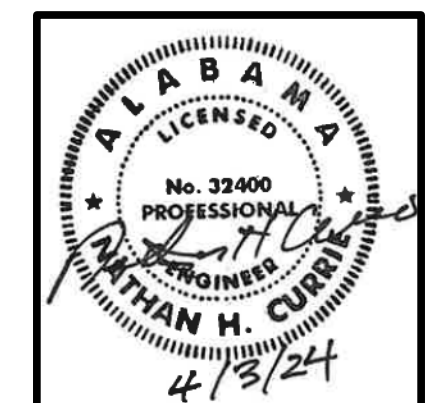
**SAIN ASSOCIATES**

**DRAWING NAME**  
 EROSION CONTROL PLAN SHEET

**PROJECT NAME**  
 SIDEWALK ON NORTH WOODRIDGE ROAD  
 MOUNTAIN BROOK, ALABAMA  
 FOR CITY OF MOUNTAIN BROOK

DRN. BY	JOB NO.
SRH	23-0297
CKD. BY	SCALE
AB	1" = 20'
PROJ. MGR.	DATE
NC	04-05-24

**SHEET NO.**  
 7



NO	REVISIONS DESCRIPTION	BY	CD	DATE

Two Perimeter Park South  
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**SAIN ASSOCIATES**

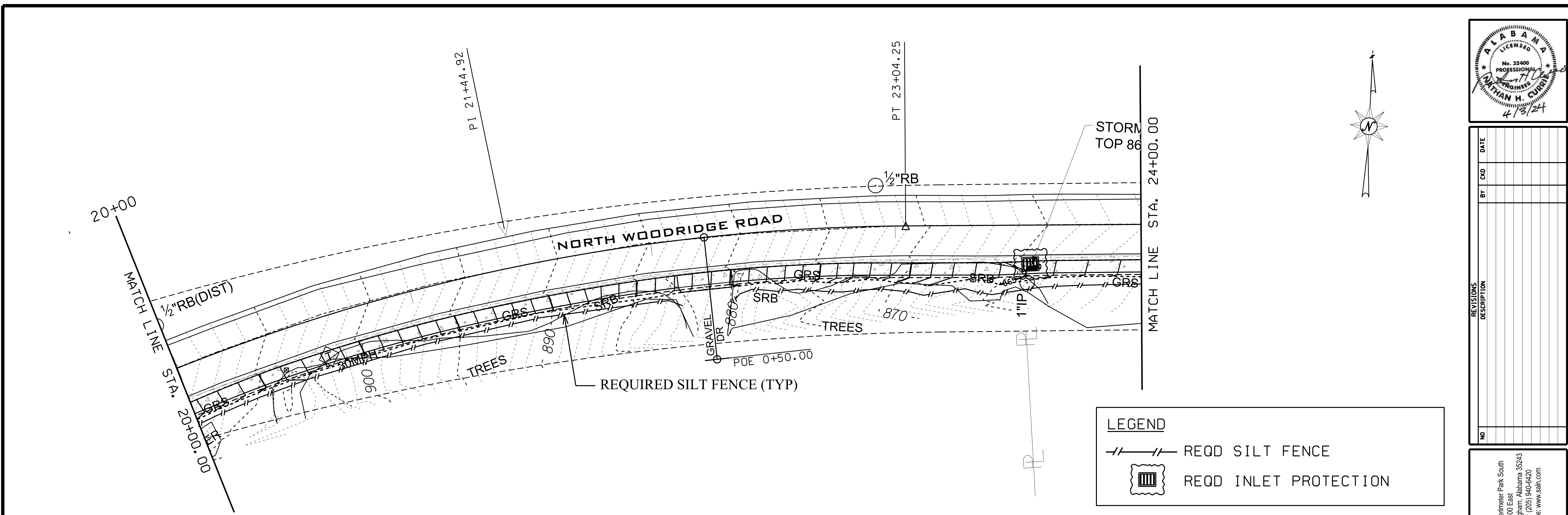
DRAWING NAME  
**EROSION CONTROL PLAN SHEET**

**SIDEWALK ON  
 NORTH WOODRIDGE ROAD  
 MOUNTAIN BROOK, ALABAMA**

FOR  
**CITY OF MOUNTAIN BROOK**

DRN. BY	JOB NO.
SRH	23-0297
CKD. BY	SCALE
AB	1" = 20'
PROJ. MGR.	DATE
NC	04-05-24

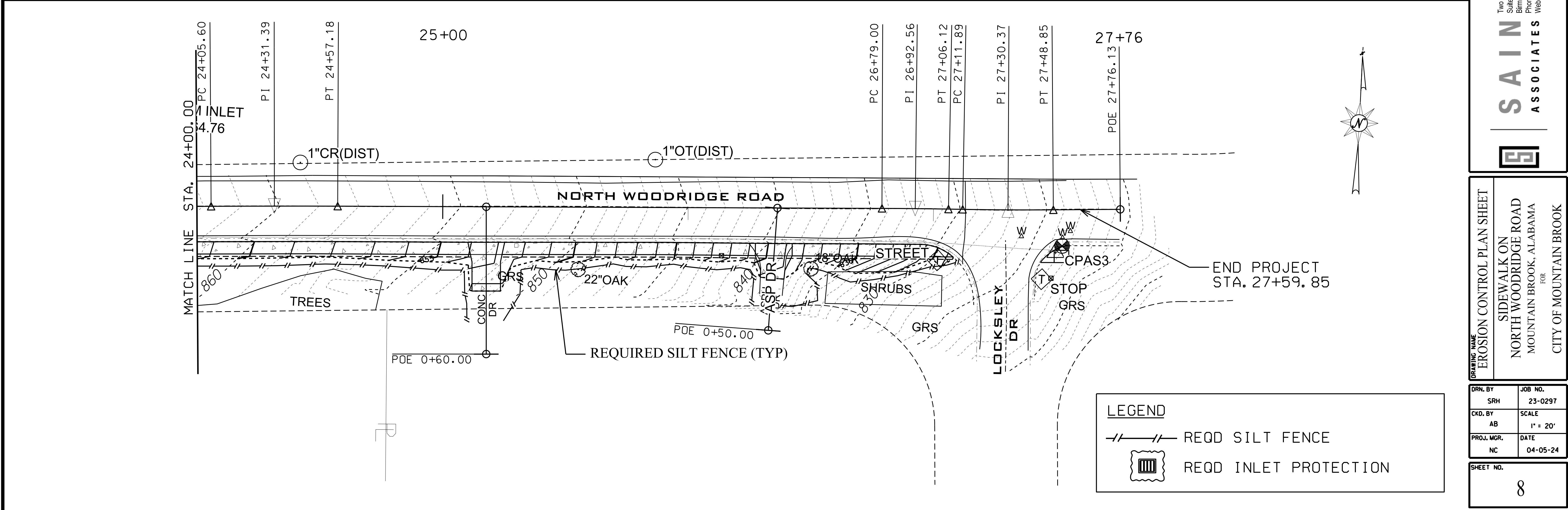
SHEET NO.  
**8**



**LEGEND**

---//--- REQD SILT FENCE

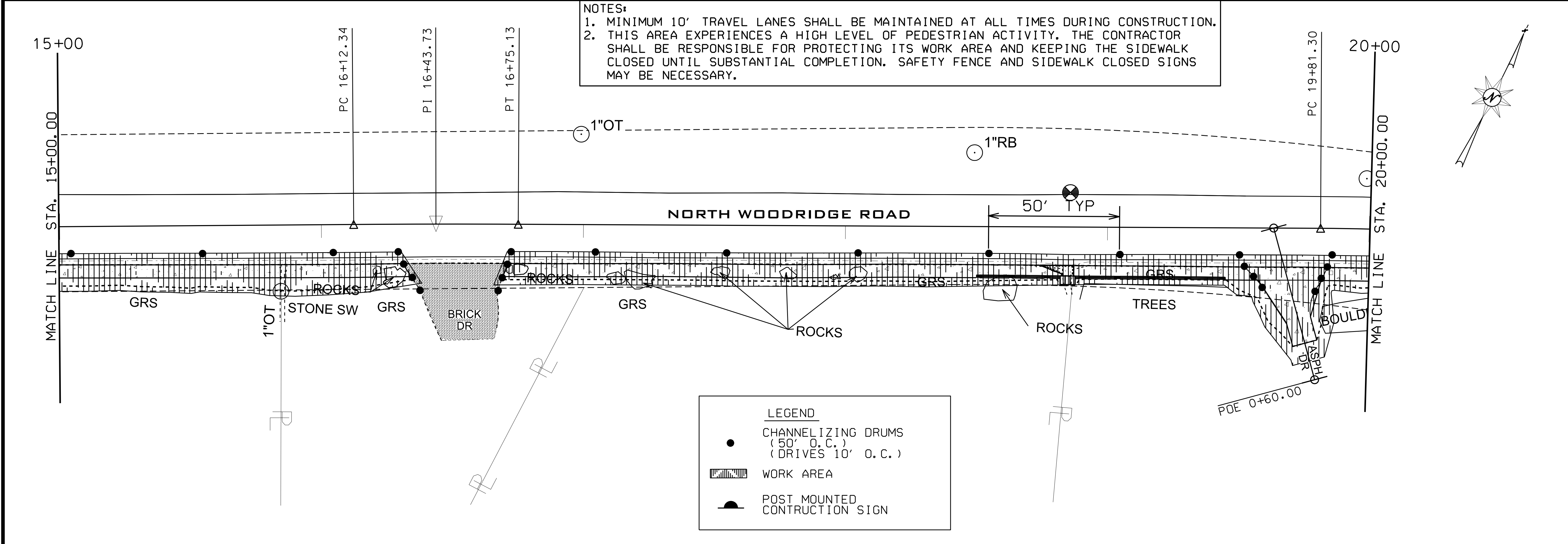
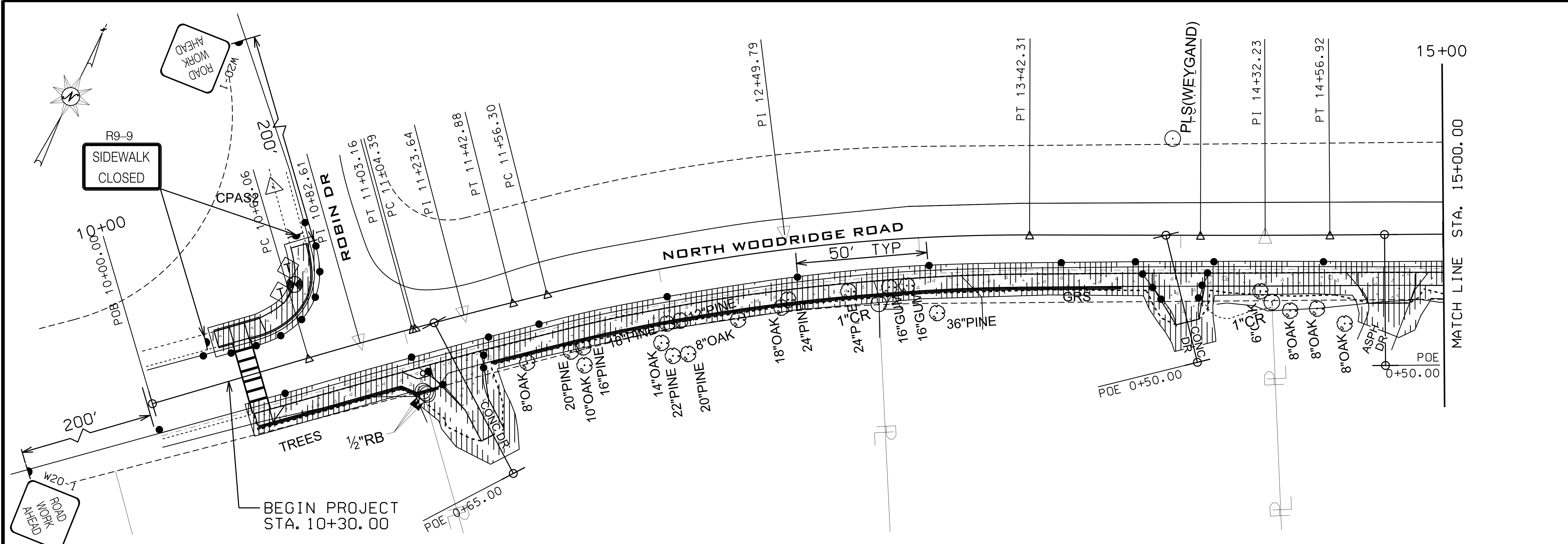
REQD INLET PROTECTION



**LEGEND**

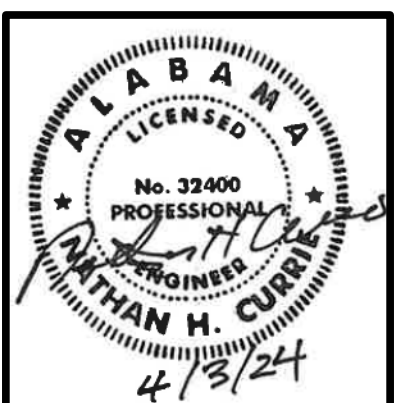
---//--- REQD SILT FENCE

REQD INLET PROTECTION



NOTES:  
 1. MINIMUM 10' TRAVEL LANES SHALL BE MAINTAINED AT ALL TIMES DURING CONSTRUCTION.  
 2. THIS AREA EXPERIENCES A HIGH LEVEL OF PEDESTRIAN ACTIVITY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ITS WORK AREA AND KEEPING THE SIDEWALK CLOSED UNTIL SUBSTANTIAL COMPLETION. SAFETY FENCE AND SIDEWALK CLOSED SIGNS MAY BE NECESSARY.

LEGEND	
●	CHANNELIZING DRUMS (50' O.C.) (DRIVES 10' O.C.)
▨	WORK AREA
⬇	POST MOUNTED CONSTRUCTION SIGN



NO	REVISIONS DESCRIPTION	BY	CD	DATE

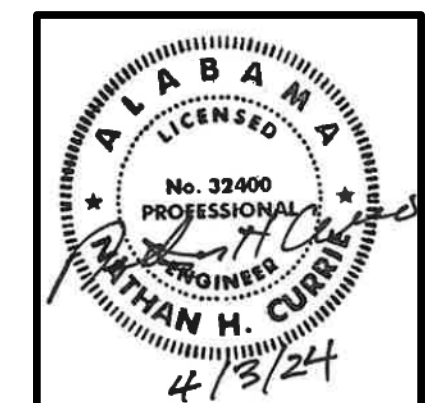
Two Perimeter Park South  
 Suite 500 East  
 Birmingham, Alabama 35243  
 Phone: (205) 940-6420  
 Website: www.sain.com

**SAIN ASSOCIATES**

DRAWING NAME  
**TRAFFIC CONTROL PLAN SHEET**

**SIDEWALK ON  
 NORTH WOODRIDGE ROAD  
 MOUNTAIN BROOK, ALABAMA**  
 FOR  
 CITY OF MOUNTAIN BROOK

DRN. BY	JOB NO.
SRH	23-0297
CKD. BY	SCALE
AB	1" = 20'
PROJ. MGR.	DATE
NC	04-05-24
SHEET NO.	
9	



NO.	REVISIONS DESCRIPTION	BY	CD	DATE

Two Perimeter Park South  
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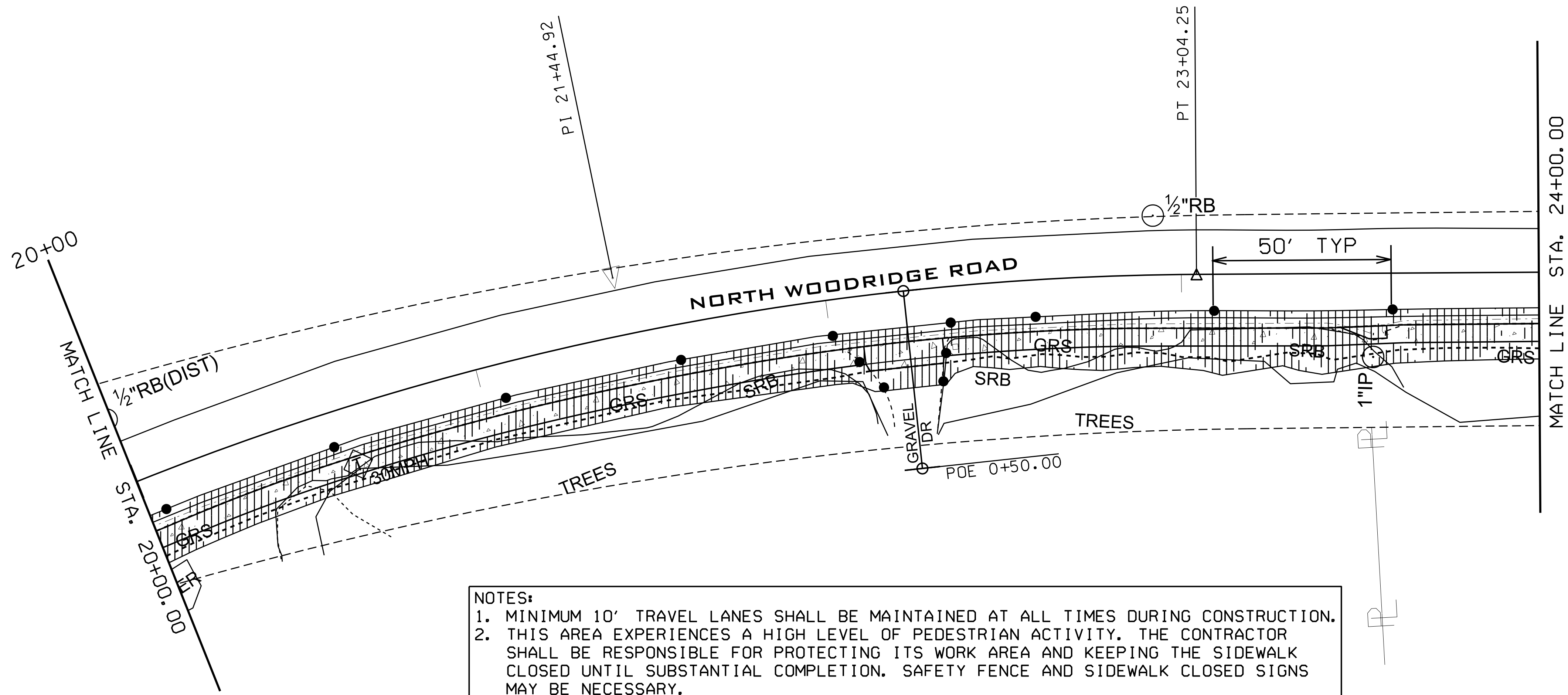
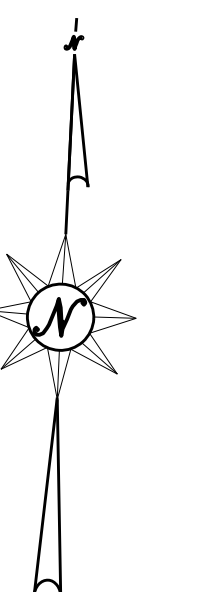
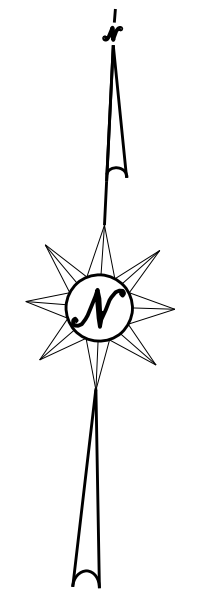
**SAIN ASSOCIATES**

DRAWING NAME  
**TRAFFIC CONTROL PLAN SHEET**

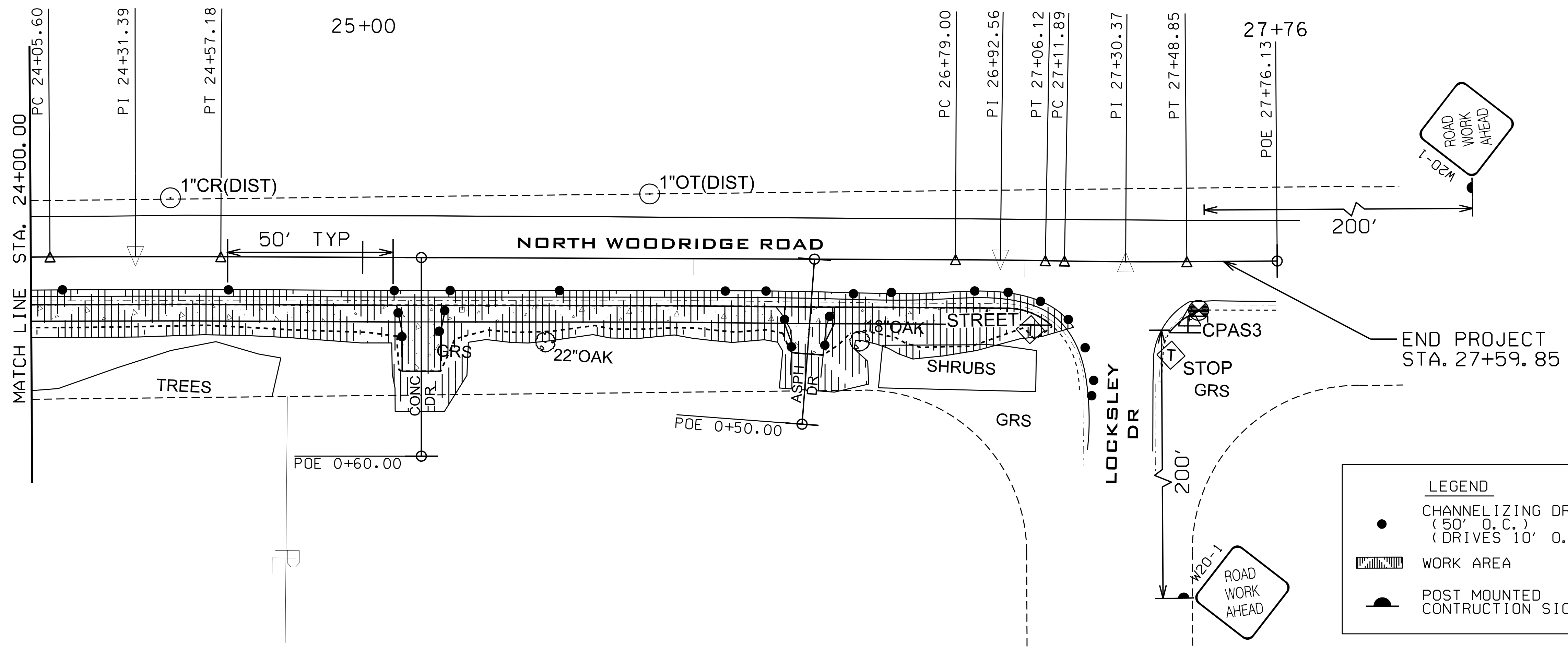
**SIDEWALK ON  
 NORTH WOODRIDGE ROAD  
 MOUNTAIN BROOK, ALABAMA**  
 FOR  
 CITY OF MOUNTAIN BROOK

DRN. BY	JOB NO.
SRH	23-0297
CKD. BY	SCALE
AB	1" = 20'
PROJ. MGR.	DATE
NC	04-05-24

SHEET NO.  
**10**

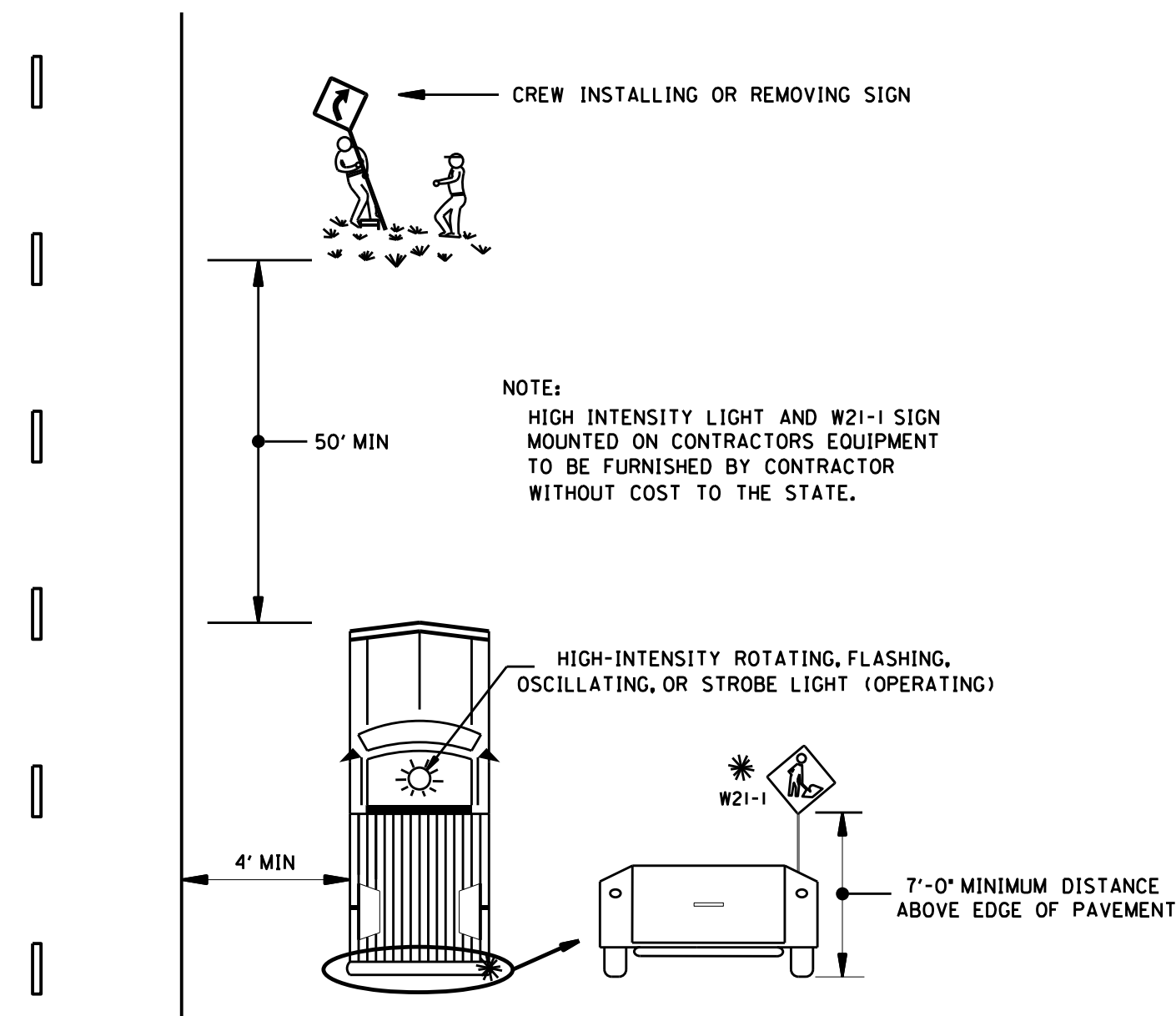


**NOTES:**  
 1. MINIMUM 10' TRAVEL LANES SHALL BE MAINTAINED AT ALL TIMES DURING CONSTRUCTION.  
 2. THIS AREA EXPERIENCES A HIGH LEVEL OF PEDESTRIAN ACTIVITY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ITS WORK AREA AND KEEPING THE SIDEWALK CLOSED UNTIL SUBSTANTIAL COMPLETION. SAFETY FENCE AND SIDEWALK CLOSED SIGNS MAY BE NECESSARY.

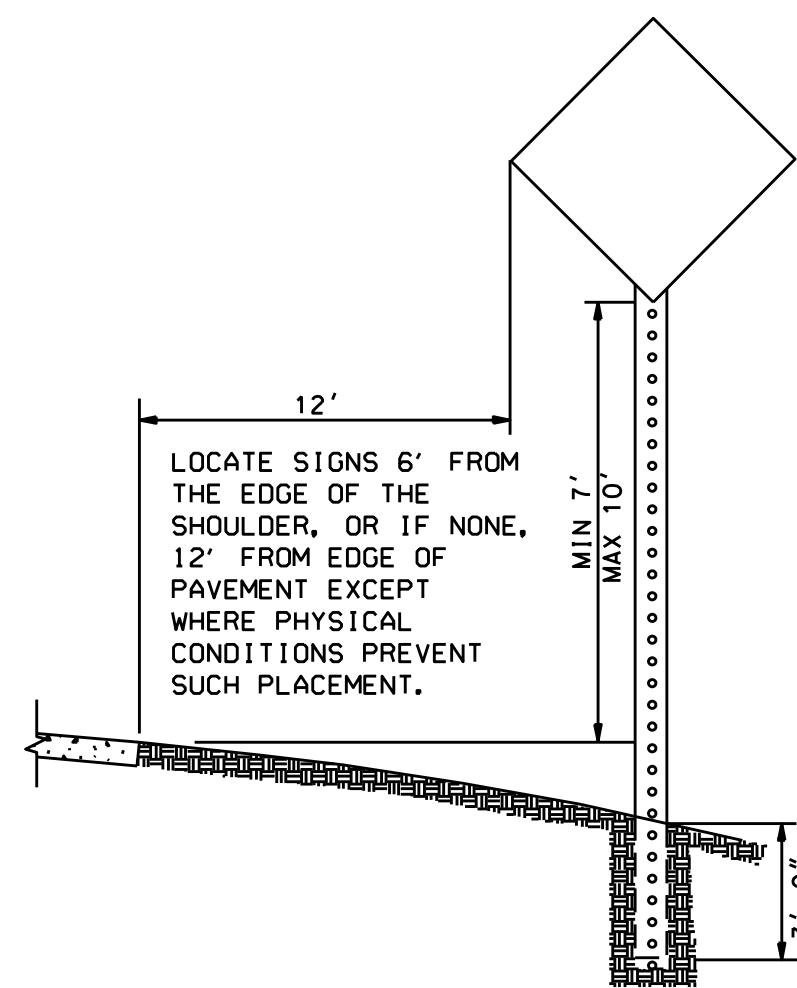


**LEGEND**

- CHANNELIZING DRUMS (50' O.C.) (DRIVES 10' O.C.)
- WORK AREA
- POST MOUNTED CONSTRUCTION SIGN

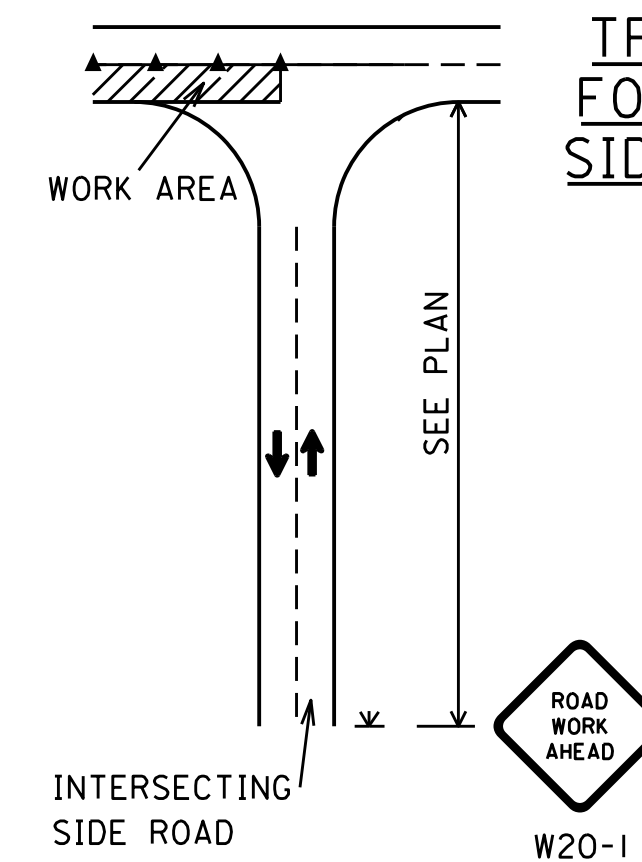


TYPICAL METHOD FOR INSTALLING OR REMOVING CONSTRUCTION SIGNS



NOTE: IF THE CONTRACTOR CHOOSES TO SPLICE THE POSTS FOR THE REQUIRED POST MOUNTED CONSTRUCTION SIGNS, THEY SHALL BE SPLICED AS SHOWN ON DRAWING IHS-710-23.

HEIGHT AND LATERAL LOCATION OF POST MOUNTED CONSTRUCTION SIGNS

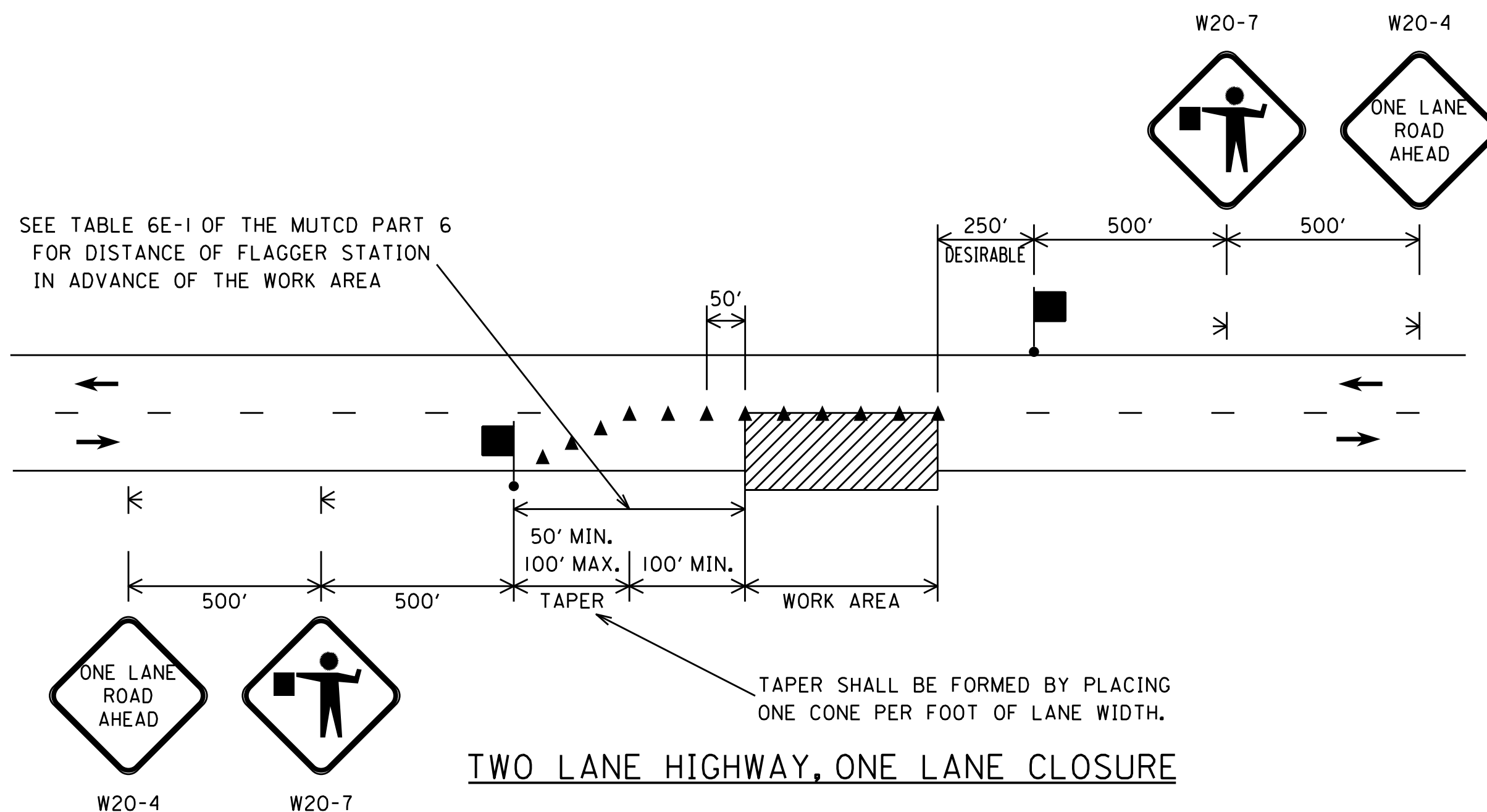


TRAFFIC CONTROL FOR INTERSECTING SIDE ROADS WITHIN WORK AREA

NOTE: THE W20-1 SIGN TO BE USED ON INTERSECTING ROADS SHALL BE 36" X 36" IN SIZE. THE TEMPORARY MOUNTED W20-1 SIGN SHOWN ON THE SIDE ROAD, WILL NOT BE REQUIRED IF ONE IS ALREADY POST MOUNTED ON THE SIDE STREET.

GENERAL NOTES

- ALL ADVANCE WARNING SIGNS REQUIRED AT THE BEGINNING AND END OF PROJECT SHALL BE POST MOUNTED. ALL SIGNS REQUIRED FOR THE LANE CLOSURE SHALL BE TEMPORARY MOUNTED.



LEGEND

- ⚡ TEMPORARY MOUNTED SIGN
- ⚓ POST MOUNTED SIGN
- ▲ CONES
- FLAGGER
- ▨ WORK AREA

NO	REVISIONS DESCRIPTION	BY	CHK	DATE

Two Perimeter Park South  
Suite 500 East  
Birmingham, Alabama 35243  
Phone: (205) 940-6420  
Website: www.sain.com

**SAIN**  
ASSOCIATES



DRAWING NAME  
TRAFFIC CONTROL PLAN DETAILS

SIDEWALK ON  
NORTH WOODRIDGE ROAD  
MOUNTAIN BROOK, ALABAMA  
FOR  
CITY OF MOUNTAIN BROOK

DRN. BY	JOB NO.
SRH	23-0297
CKD. BY	SCALE
AB	1" = 20'
PROJ. MGR.	DATE
NC	04-05-24

SHEET NO.  
11