

2023 PLAYGROUND ADA ACCESS IMPROVEMENTS PROJECT

FOR GREENVILLE COUNTY SCHOOLS AT

1. AUGUSTA CIRCLE ELEMENTARY SCHOOL

- 100 WINYAH ST., GREENVILLE, SC 29605

2. BROOK GLENN ELEMENTARY SCHOOL

- 2003 E. LEE RD., TAYLORS, SC 29687

3. BRUSHY CREEK ELEMENTARY SCHOOL

- 1344 BRUSHY CREEK RD., TAYLORS, SC 29687

4. FOUNTAIN INN ELEMENTARY SCHOOL

- 608 FAIRVIEW ST., FOUNTAIN INN, SC 29644

5. GATEWAY ELEMENTARY SCHOOL

- 208 HAWKINS RD, TRAVELERS REST, SC 29690

6. LAKE FOREST ELEMENTARY SCHOOL

- 16 BERKSIRE AVENUE, GREENVILLE, SC 29615

7. SARA COLLINS ELEMENTARY SCHOOL

- 1200 PARKINS MILL RD., GREENVILLE, SC 29607

8. WELCOME ELEMENTARY SCHOOL

- 36 E. WELCOME RD., GREENVILLE, SC 29611

9. WESTCLIFFE ELEMENTARY SCHOOL

- 105 EASTBOUNE RD., GREENVILLE, SC 29611

GENERAL NOTES

- 1) TOPOGRAPHIC SURVEYS PROVIDED BY H&M SURVEYING LLC. DATED 12-19-22 THROUGH 12-27-22.
- 2) ELEVATIONS AND COORDINATE SYSTEM ARE SC STATE PLANE SYSTEM.
- 3) CONTRACTOR SHALL IMMEDIATELY INFORM THE ENGINEER OF CONFLICTS BETWEEN THE DRAWINGS AND EXISTING CONDITIONS, AND SHALL CONTACT THE ENGINEER FOR A REVIEW SHOULD ANY DISCREPANCIES BE DISCOVERED AT THE SITE OR ON THE DRAWINGS.
- 4) CONTRACTOR SHALL CONDUCT ALL WORK IN ACCORDANCE WITH THE LATEST REQUIREMENTS OF THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION.
- 5) THE CONTRACTOR SHALL NOT PERFORM ANY WORK ON ANY UTILITIES OR IN ANY PUBLIC RIGHT-OF-WAY UNTIL HE HAS OBTAINED COPIES OF ALL NECESSARY ENCROACHMENTS AND CONSTRUCTION PERMITS.
- 6) CONTRACTOR SHALL VERIFY THE LOCATION OF ALL UNDERGROUND UTILITIES BY CALLING PALMETTO UTILITY PROTECTION SERVICE (PUPS) AT 1-800-922-0983 AT LEAST THREE (3) DAYS PRIOR TO CONSTRUCTION.
- 7) CONTRACTOR SHALL REMOVE ALL TREES AND VEGETATION THAT INTERFERE WITH EXCAVATION, UNLESS NOTED OTHERWISE, AND SHALL REMOVE DEBRIS FROM THE SITE.
- 8) CONTRACTOR SHALL REMOVE ALL DEMOLITION MATERIALS FROM SITE.
- 9) CONTRACTOR SHALL MAINTAIN POSITIVE DRAINAGE AWAY FROM ALL BUILDINGS AT ALL TIMES. CONTRACTOR SHALL REPORT TO THE ENGINEER ANY AREAS THAT MAY NOT DRAIN PROPERLY DURING CONSTRUCTION.
- 10) EARTHWORK SHALL BE TO THE LINES AND GRADES SHOWN. PROPOSED ELEVATIONS SHOWN ARE FINISH GRADE ELEVATIONS. CONTRACTOR SHALL REMOVE AND STOCKPILE TOPSOIL AS REQUIRED FOR SUBGRADE. PROOF ROLLING AND COMPACTION TESTS SHALL BE ACCOMPLISHED IN THE FIELD TO TEST ALL AREAS. CONTRACTOR SHALL PROOF ROLL THE CONSTRUCTION AREA WITH SUITABLE HEAVY EQUIPMENT. ALL SOFT SPOTS SHALL BE SCARIFIED OR UNDERCUT AND RECOMPACTED WITH CLEAN SOIL FILL MATERIAL. ALL PERMANENT CUT SLOPES SHALL BE 3:1 MAXIMUM AND ALL PERMANENT FILL SLOPES SHALL BE 3:1 MAXIMUM UNLESS OTHERWISE NOTED.
- 11) ALL NEW FILL AND UTILITY TRENCH BACKFILL SHALL BE COMPACTED TO AT LEAST 95 % OF MAXIMUM DRY DENSITY AS DETERMINED BY THE STANDARD PROCTOR (ASTM D-698). IN ADDITION, THE UPPER 18" OF ALL FILL MATERIALS BENEATH FLOOR SLABS AND PAVEMENTS SHALL BE COMPACTED TO AT LEAST 98 % OF THE MAXIMUM DRY DENSITY (ASTM D-698).
- 12) ALL FILL MATERIAL SHALL BE FROM A SOURCE APPROVED BY THE TESTING COMPANY AND SHALL BE FREE OF ROOTS, ORGANICS, AND BOULDERS LARGER THAN 1 CUBIC FOOT. FILL SHALL BE PLACED IN 8" LIFTS AND COMPACTED AS SPECIFIED.
- 13) CONTRACTOR SHALL NOT STAGE EQUIPMENT OR MATERIALS ON PRIVATE PROPERTY WITHOUT WRITTEN PERMISSION.
- 14) CONTRACTOR SHALL COORDINATE ANY RELOCATION OF EXISTING UTILITIES WITH THE PROPER UTILITY PROVIDER.
- 15) CONTRACTOR MAY NOT ENTER PRIVATE PROPERTY OR PERFORM CONSTRUCTION ON PRIVATE PROPERTY WITHOUT WRITTEN PERMISSION OR AUTHORIZATION.
- 16) ALL ROADWAY ENTRIES SHALL BE PER SCDOT STANDARDS.
- 17) ALL REQUIRED PERMITS SHALL BE OBTAINED PRIOR TO ANY SITE CONSTRUCTION ACTIVITY.
- 18) THERE IS A 35' BUFFER ON ALL CREEKS DRAINING 50 ACRES OR MORE AS FOLLOWS: STREAM SIDE BUFFER ZONE, STRUCTURES, STREAM BANK STABILIZATION AND RESTORATION, FOOTPATHS, UTILITY AND ROAD CROSSINGS AND SELECT UNDERGROWTH CLEARING BY HAND. (35' EACH SIDE OF TOP OF STREAM BANK)--PERMITTED USES WITHIN THIS ZONE INCLUDE FLOOD CONTROL.
- 19) CONTRACTOR SHALL BE RESPONSIBLE FOR THE PLACEMENT AND MAINTENANCE OF ANY REQUIRED PERMIT POSTINGS AND PERMIT RECORDS ACCESS.
- 20) CONTRACTOR SHALL BE RESPONSIBLE FOR PLACING ANY PROTECTIVE BARRIERS, ROADBLOCKS, FENCING OR OTHER CONSTRUCTION RELATED SAFETY EQUIPMENT TO RESRICT ACCESS OR PREVENT INJURY AS REQUIRED OR DIRECTED BY OWNER, ENGINEER OR OTHER AUTHORITIES.
- 21) SEE SH. C-10 FOR CONCRETE SPECS. & NOTES.
- 22) CONTRACTOR SHALL STORE AND UTILIZE ONSITE USABLE FILL WHEREVER POSSIBLE PRIOR TO REMOVAL FROM SITE.
- 23) CONTRACTOR SHALL NOTIFY THE ENGINEER AND OWNER IF AREAS OF UNSUITABLE MATERIAL ARE ENCOUNTERED DURING EXCAVATION. CONTRACTOR SHALL NOT MIX USABLE EXCAVATION WITH UNDETERMINED OR EXCAVATION MATERIALS WHICH MAY LIMIT USABLE EXCAVATION MATERIAL'S COMPACTABILITY.
- 24) CONTRACTOR SHALL VERIFY CURRENT PLANS ARE ISSUED FOR CONSTRUCTION AND CURRENT REVISION DATE IS BEING USED PRIOR TO CONSTRUCTION. OWNER OR ENGINEER SHALL NOT BE RESPONSIBLE FOR ADDITIONAL WORK DUE TO CONTRACTOR WORKING FROM OUTDATED OR PRELIMINARY PLANS. CONTRACTOR SHALL PREPARE AND PRESENT CHANGE ORDERS AND COSTS FOR OWNER'S APPROVAL PRIOR TO WORK. OWNER SHALL NOT BE RESPONSIBLE FOR ANY CHANGES COMPLETED WITHOUT PRIOR APPROVAL.
- 25) CONTRACTOR SHALL REFER TO ALL SHEETS INCLUDED IN THIS SET OF CONSTRUCTION PLANS INCLUDING ENLARGED AREA PLANS AND DETAILS FOR INFORMATION.

SHEET LIST

| | |
|-------|---|
| C-1 | COVER SHEET |
| C-2 | SCHOOL LOCATION MAPS & ADDRESSES (1 OF 2) |
| C-3 | SCHOOL LOCATION MAPS & ADDRESSES (2 OF 2) |
| C-4 | AUGUSTA CIRCLE ELEM. SCHOOL SITE PLAN |
| C-5 | BROOK GLENN ELEM. SCHOOL SITE PLAN |
| C-6 | BRUSHY CREEK ELEM. SCHOOL SITE PLAN |
| C-7 | FOUNTAIN INN ELEM. SCHOOL SITE PLAN |
| C-8 | GATEWAY ELEM. SCHOOL SITE PLAN |
| C-8A | GATEWAY ELEM. SCHOOL RET. WALL ELEVATIONS |
| C-9 | LAKE FOREST ELEM. SCHOOL SITE PLAN |
| C-10 | SARA COLLINS ELEM. SCHOOL SITE PLAN |
| C-11 | WELCOME ELEM. SCHOOL SITE PLAN |
| C-12 | WESTCLIFFE ELEM. SCHOOL SITE PLAN |
| C-13 | S&EC DETAILS & NOTES |
| C-14 | MISC. NOTES & DETAILS |
| S-1.0 | AUGUSTA CIRCLE ELEM. SCHOOL RAMP PLAN, ELEVATIONS & DETAILS |
| S-1.1 | AUGUSTA CIRCLE ELEM. SCHOOL RAMP SECTIONS |
| S-2.0 | GATEWAY ELEM. SCHOOL RAMP PLAN, ELEVATIONS & DETAILS |
| S-2.1 | GATEWAY ELEM. SCHOOL RAMP SECTIONS |

LEGEND

| | |
|---------|--------------------------------|
| | LIGHT POLE |
| PC-1 | LAYOUT POINT OF CURVE #1 |
| RP-2 | LAYOUT RADIUS POINT #2 |
| CB-8 | STORM DRAIN CATCH BASIN #8 |
| | JUNCTION BOX |
| EOP | EDGE OF PAVEMENT |
| HMA | HOT-MIX ASPHALT |
| | CH. LK. FENCE |
| WMV | WATER METER VAULT |
| | GUY WIRE TERMINATION |
| | SPOT ELEVATION |
| FGE | FINISH GRADE ELEVATION |
| --992-- | CONTOUR PROPOSED |
| -992- | CONTOUR PROPOSED |
| -SD- | STORM DRAIN |
| CE | CONSTRUCTION ENTRANCE |
| SBR | SEGMENTAL BLOCK RETAINING WALL |
| | LIMITS OF DISTURBANCE |
| -SF- | SILT FENCE |
| | INLET PROTECTION |
| | SWALE FLOW ARROW |



Know what's below
CALL before you dig



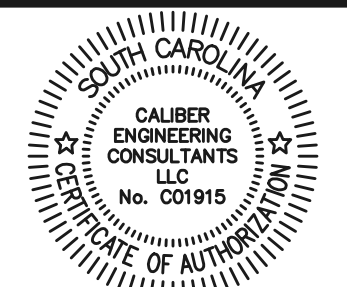
GREENVILLE COUNTY
SCHOOLS
OPERATIONS DEPT.
2 SPACE DRIVE
TAYLORS, SC 29607
Phone 355-1266
Fax 355-1261



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2023 PLAYGROUND ADA ACCESS IMPROVEMENTS PROJECT AT NINE (9) ELEMENTARY SCHOOLS

GREENVILLE COUNTY, SC
PROJECT MANAGER: SHANE WINDHAM
DIRECTOR OF OPERATIONS
GREENVILLE COUNTY SCHOOLS
CELL: (864) 355-1984
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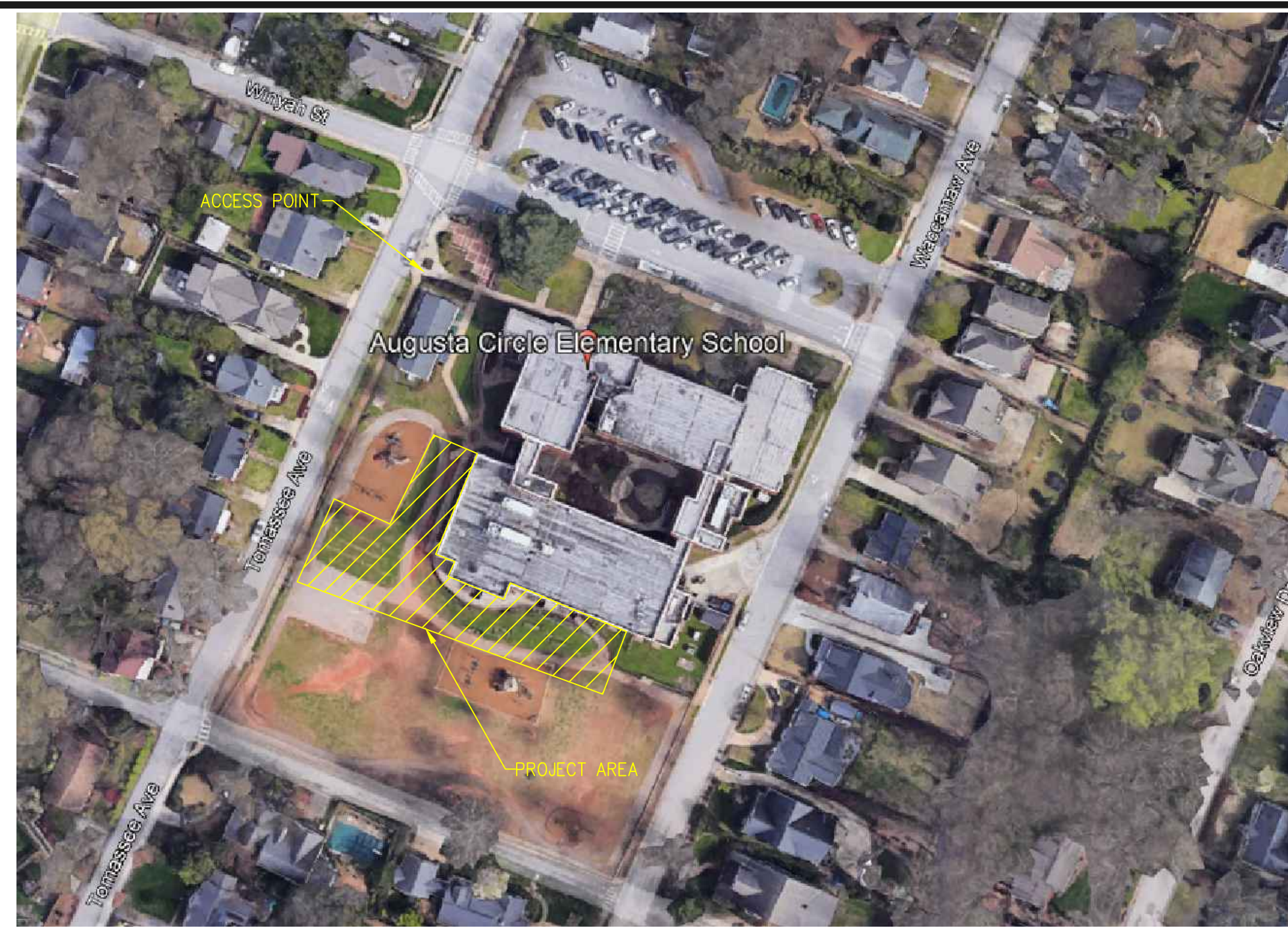


| DATE | REV | DESCRIPTION |
|----------|-----|--------------|
| 03-13-23 | A | OWNER REVIEW |
| 04-10-23 | B | FOR BIDS |
| 05-10-23 | C | ADDENDUM #2 |

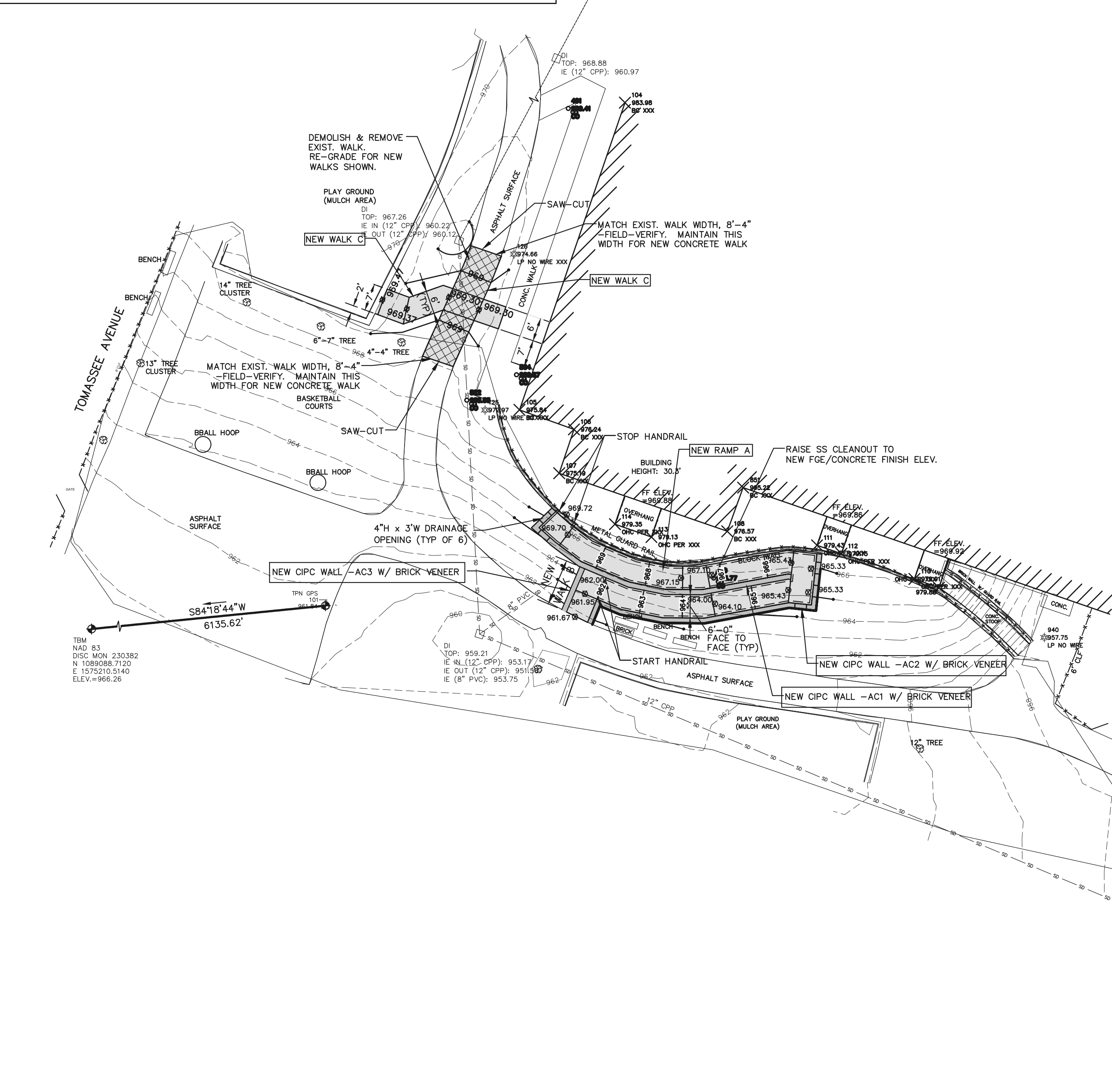
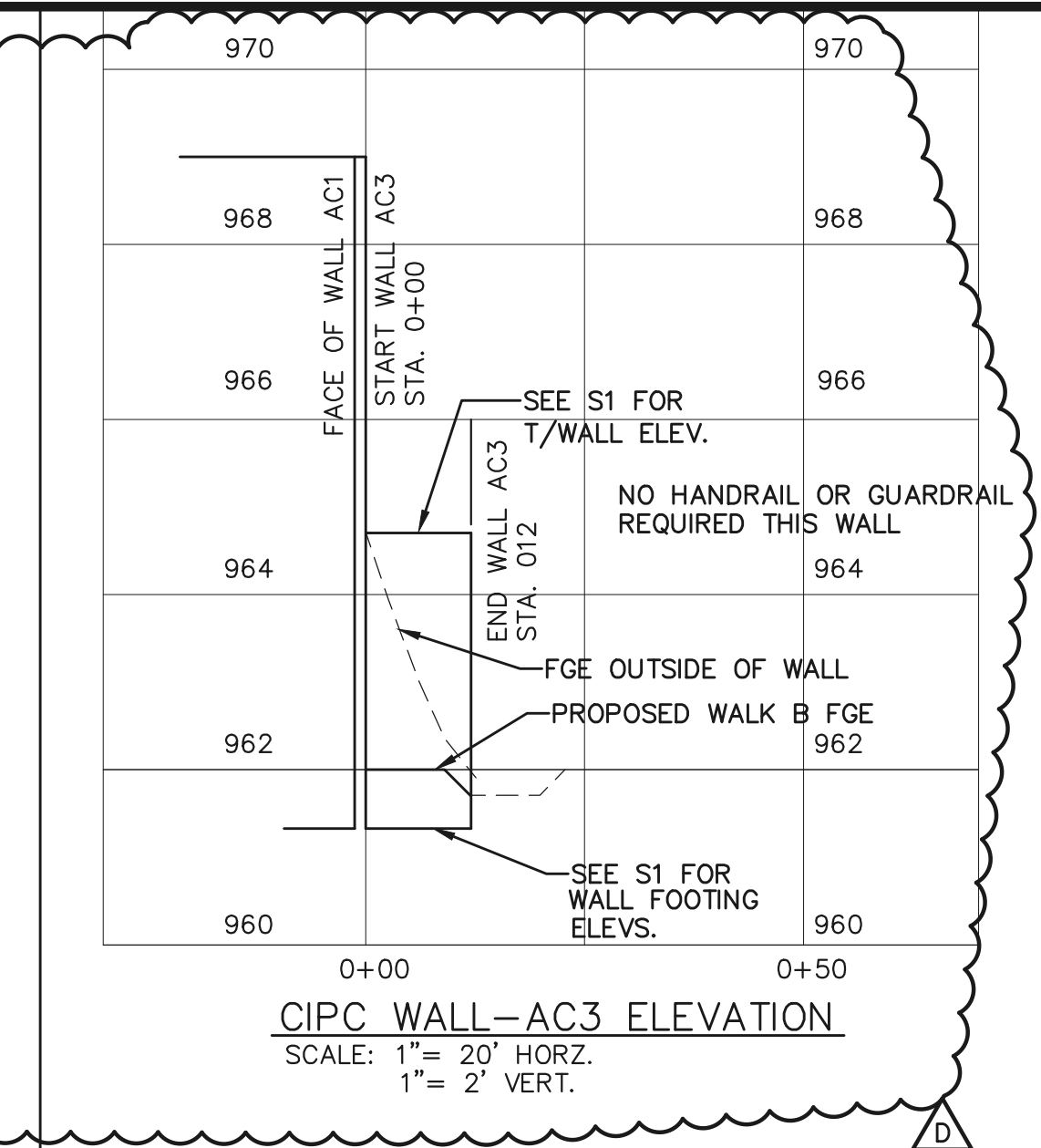
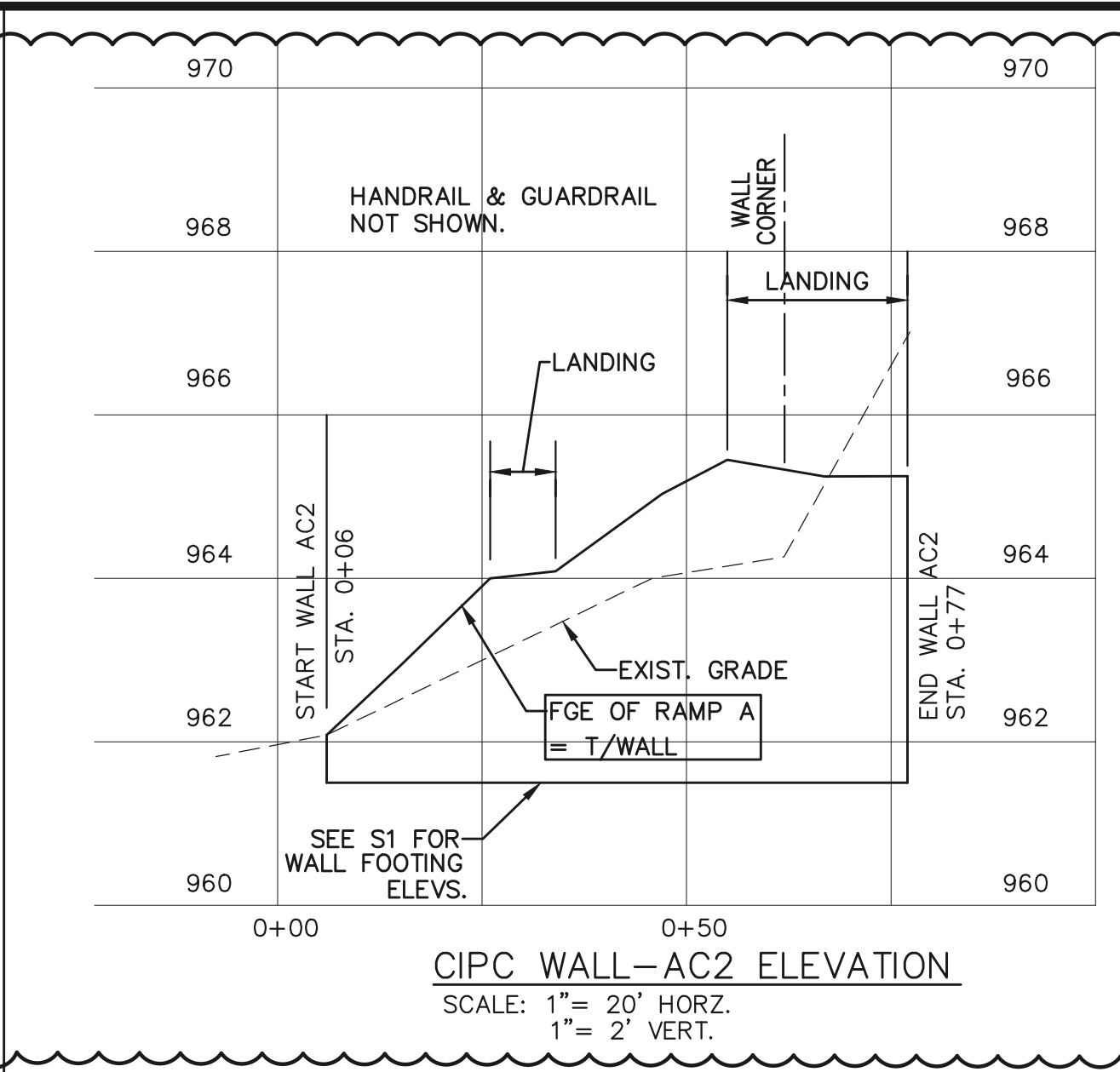
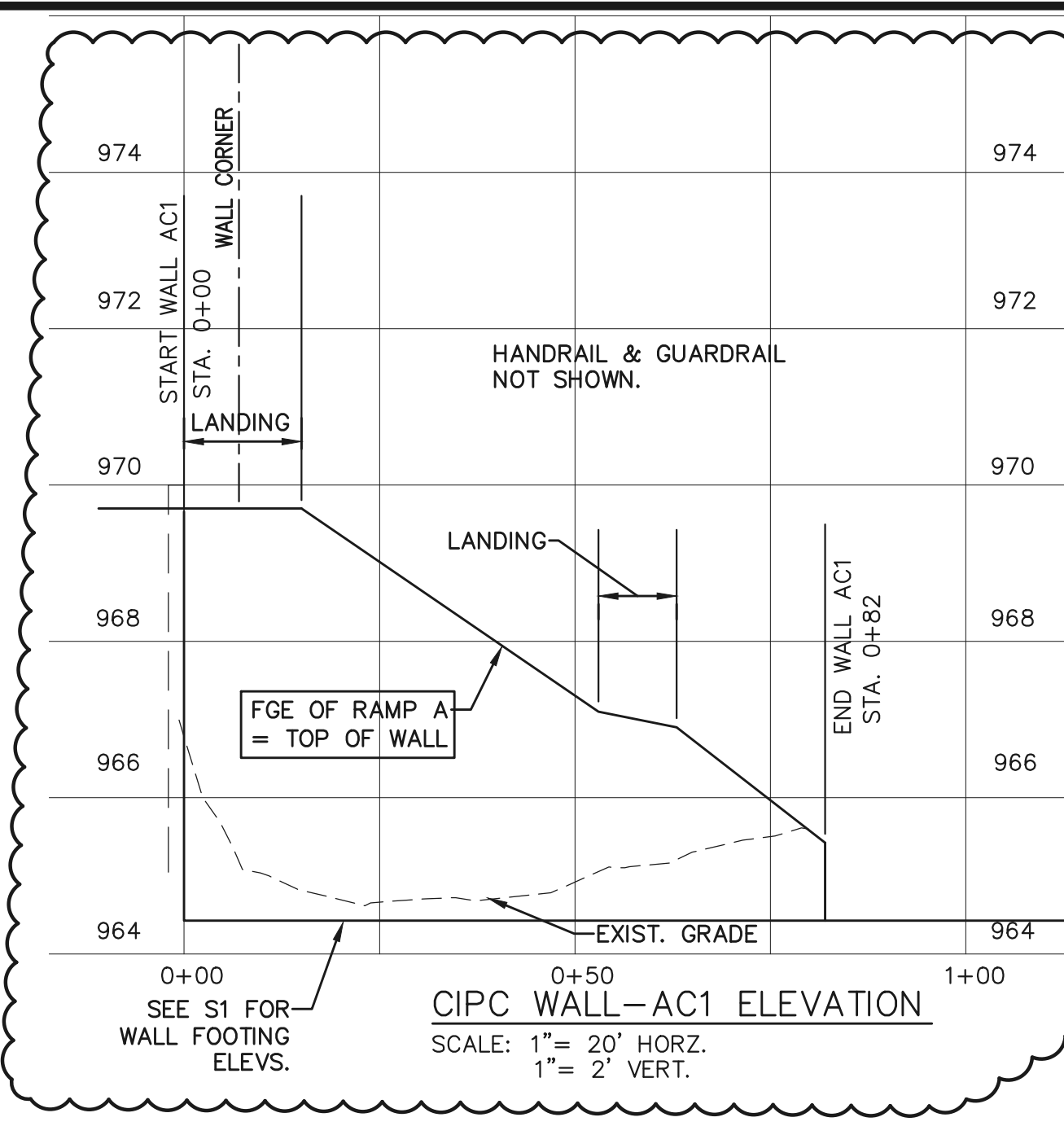
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PROJECT NO: 100-017
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CHECKED BY:

COVER SHEET

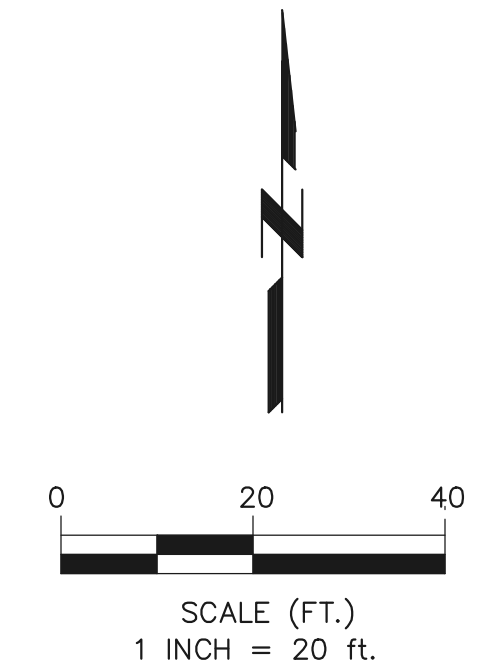
C-1



VICINITY MAP
APPROX. SCALE: 1"=100'



AUGUSTA CIRCLE ELEMENTARY SCHOOL SITE PLAN
SCALE: 1"=20'



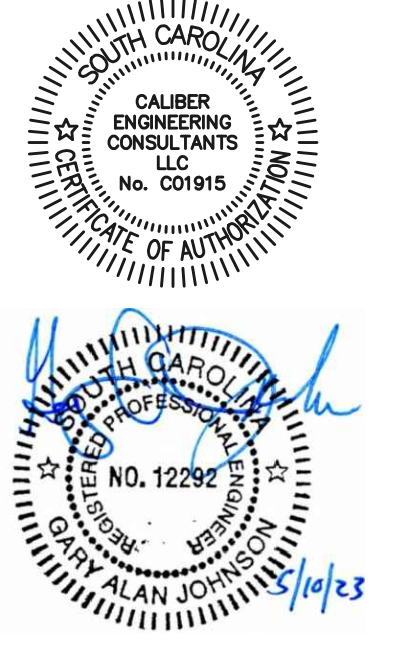
- NOTES:
- DEFINITION OF "WALK" IS SURFACE WITH 4.99% MAX. LONGITUDINAL SLOPE.
 - DEFINITION OF "RAMP" IS SURFACE WITH LONGITUDINAL SLOPE BETWEEN 5.00% & 8.33%. RAMPS REQUIRE HANDRAIL AND LANDINGS - SEE DETAIL SH. C-14.
 - NEW WALK & RAMP LAYOUTS SHOWN ARE INTENDED TO MEET THE DEFINITIONS ABOVE. CONTRACTOR SHALL ADJUST LAYOUTS SHOWN IN ORDER TO COMPLY. CONTRACTOR SHALL NOTIFY ENGINEER OF ALL NEEDED ADJUSTMENTS PRIOR TO INSTALLATION.
 - CONCRETE CONTROL JOINTS NOT SHOWN FOR CLARITY - SEE DETAIL SH. C-14.
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 - COORDINATE INSTALLATION OF PRE-MANUFACTURED PLASTIC PLAYGROUND RAMPS WITH OWNER. ADJUST CONCRETE APPROACHES AS NECESSARY.
 - SEE SH. S-1 FOR CIPC WALL DETAILS & NOTES

GREENVILLE COUNTY SCHOOLS
OPERATIONS DEPT.
2 SPACE DRIVE
TAYLORS, SC 29607
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CALIBER ENGINEERING CONSULTANTS LLC
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PROJECT MANAGER: SHANE WINDHAM
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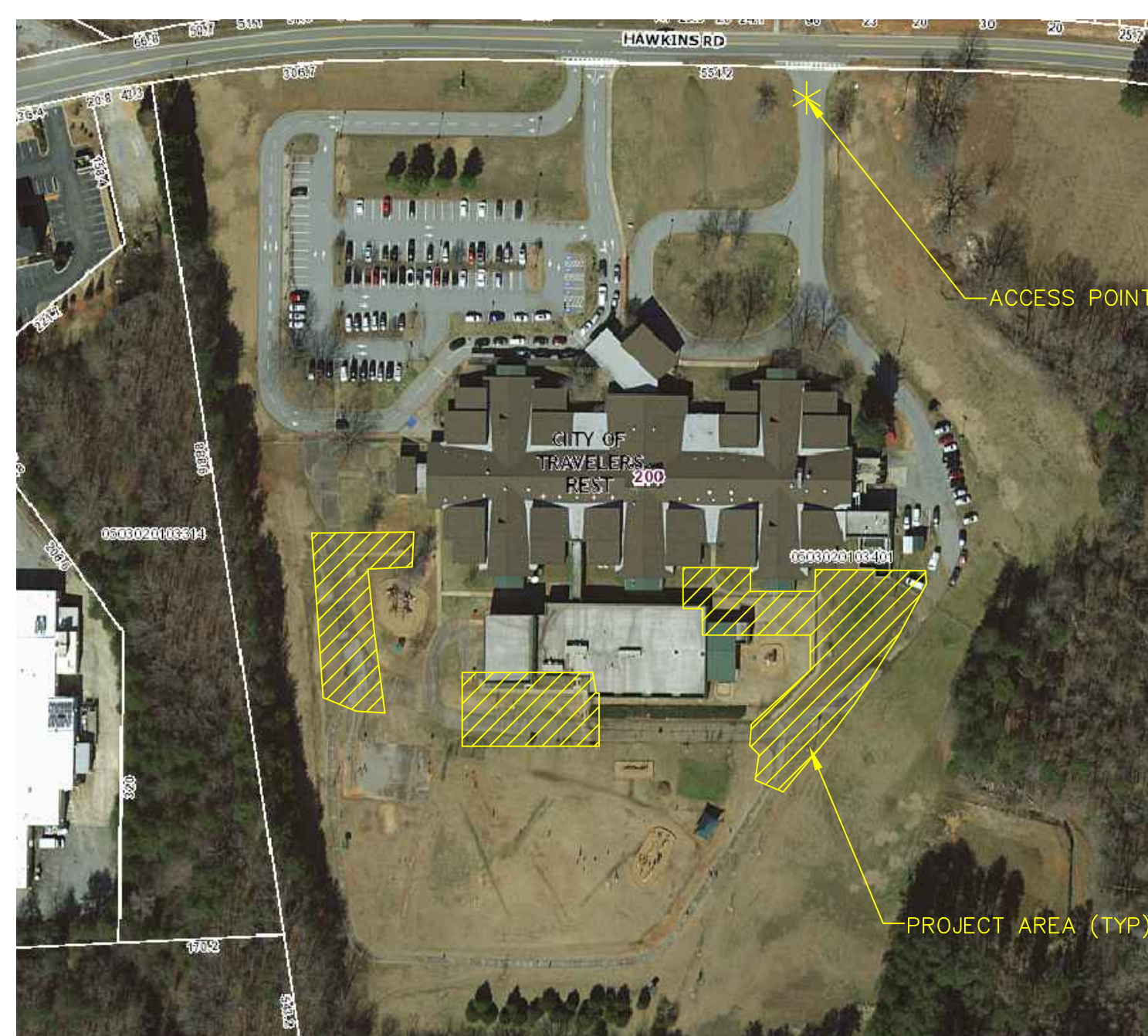
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|----------|-----|-----------------|
| 02-09-23 | A | OWNER REVIEW |
| 03-13-23 | B | OWNER REVIEW #2 |
| 04-10-23 | C | FOR BIDS |
| 05-10-23 | D | ADDENDUM #2 |

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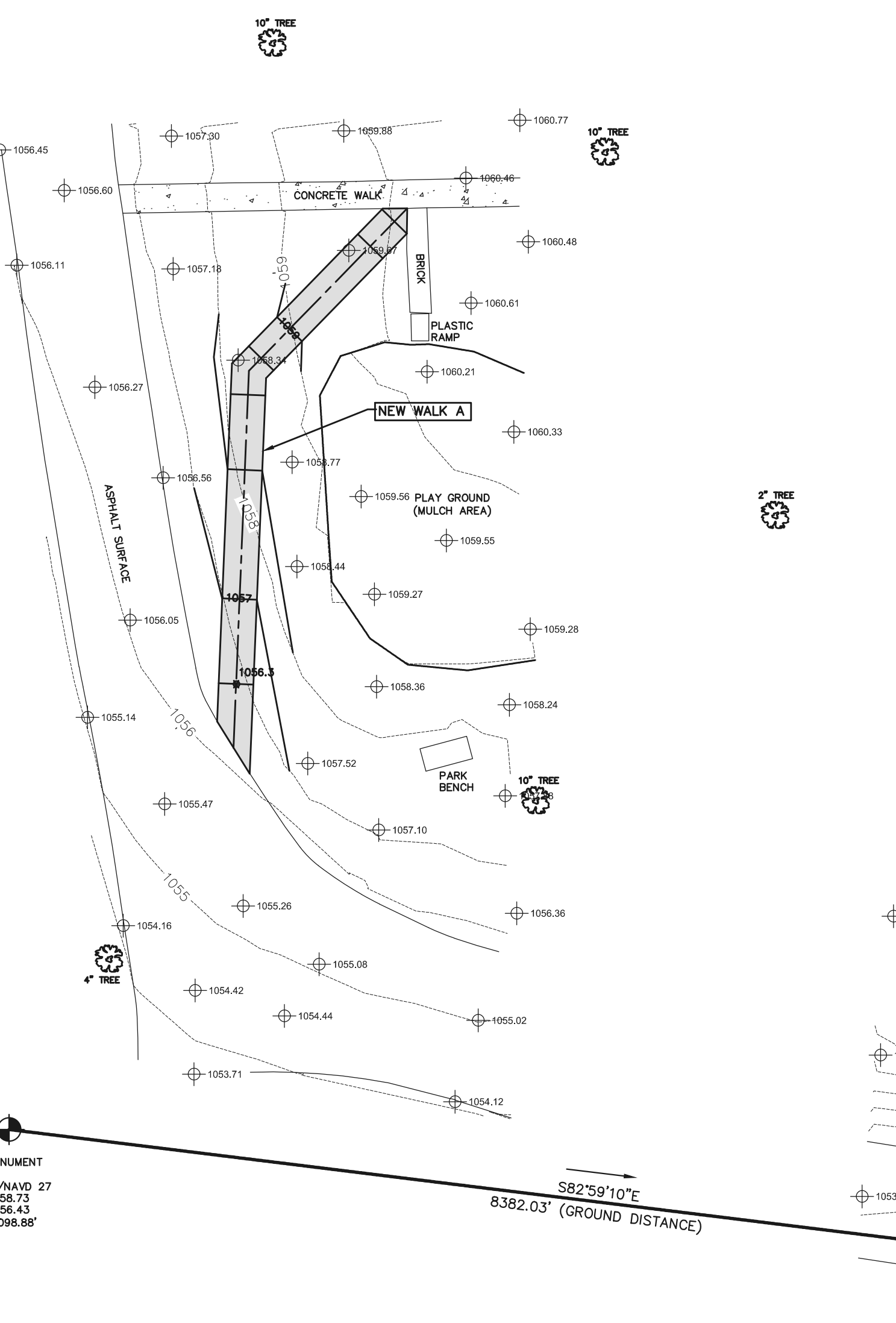
AUGUSTA CIRCLE ELEMENTARY SCHOOL SITE PLAN



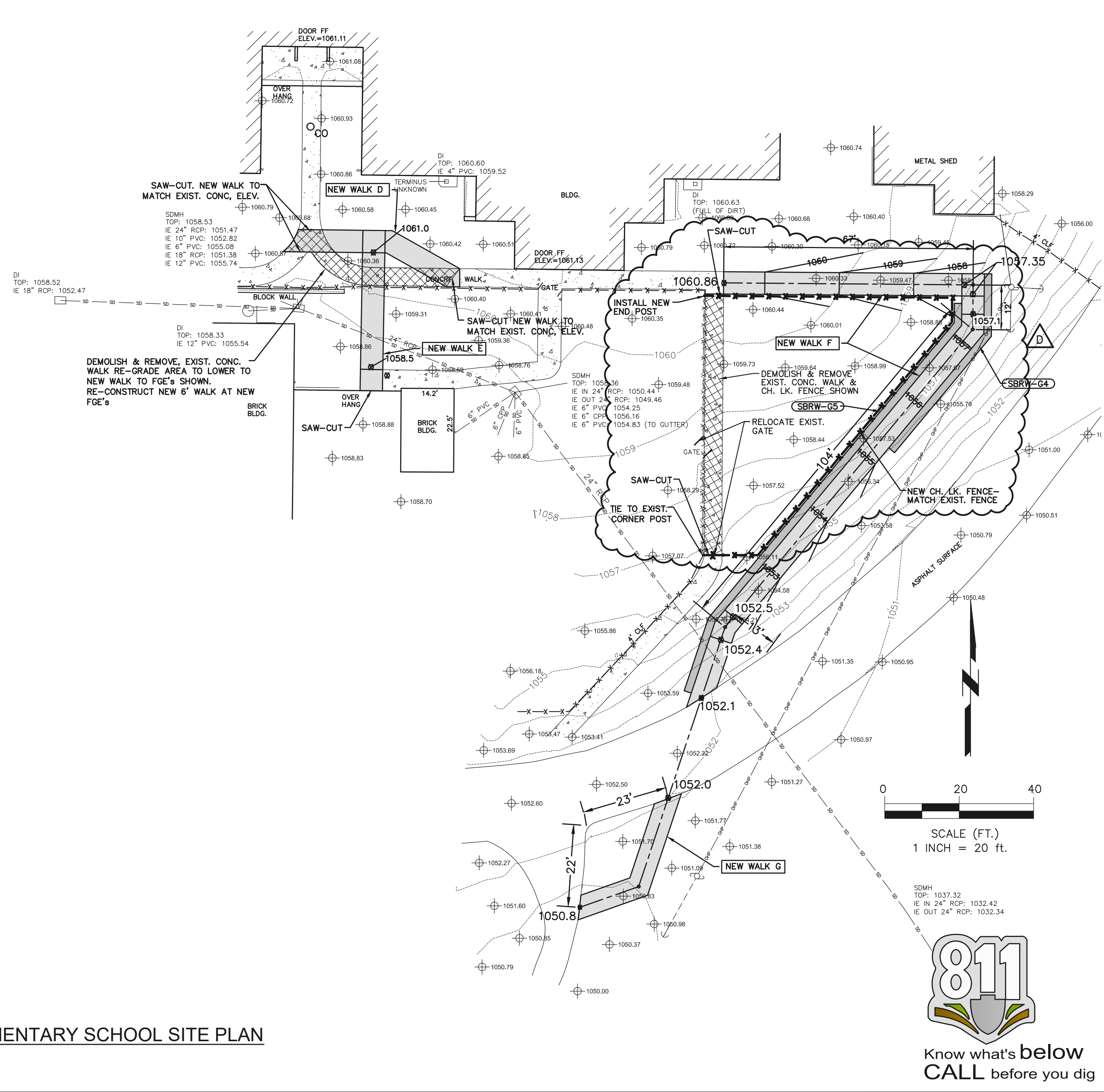
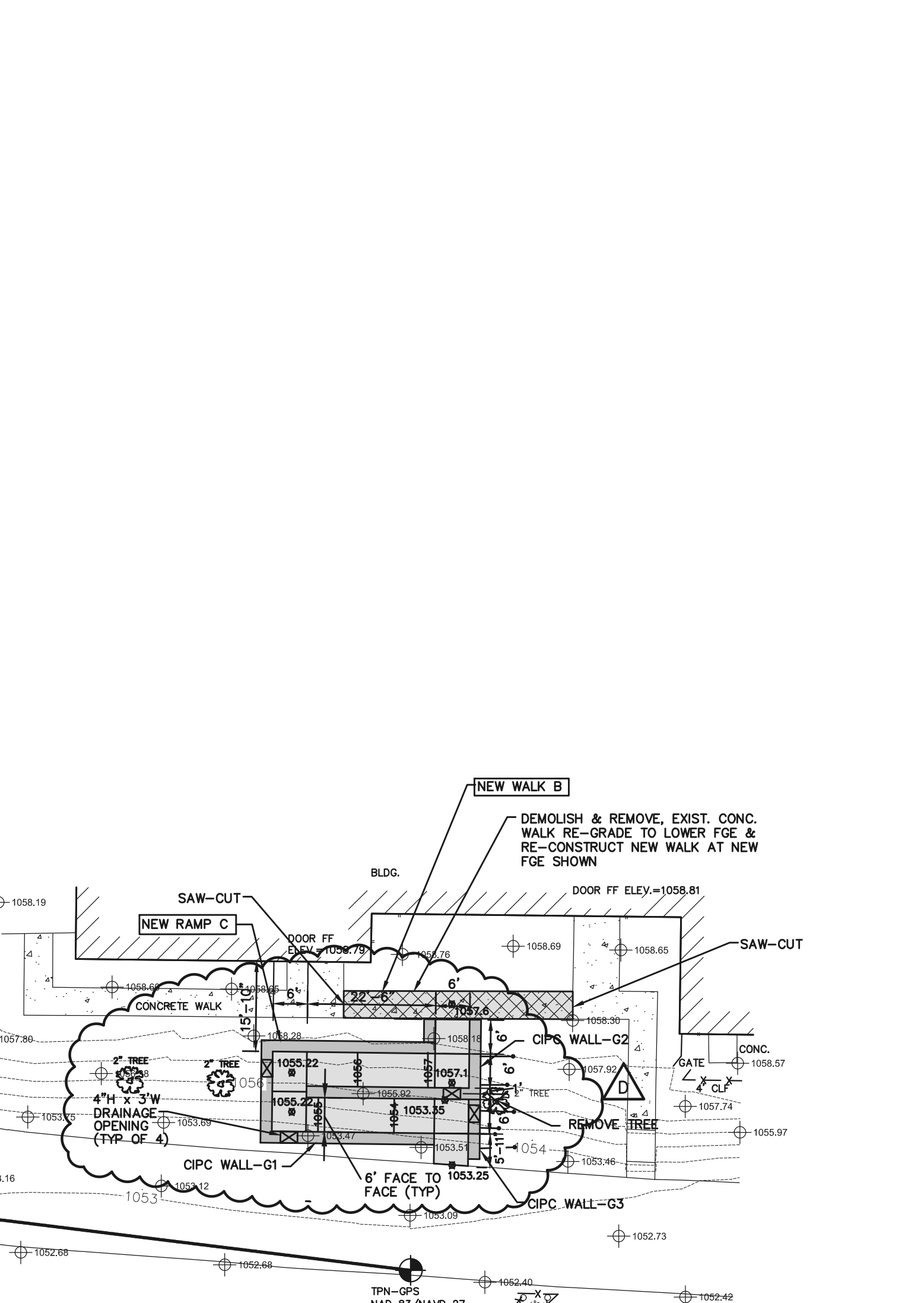
Know what's below
CALL before you dig



VICINITY MAP
APPROX. SCALE: 1"=150'



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GATEWAY ELEMENTARY SCHOOL SITE PLAN
APPROX. SCALE: 1"=20'



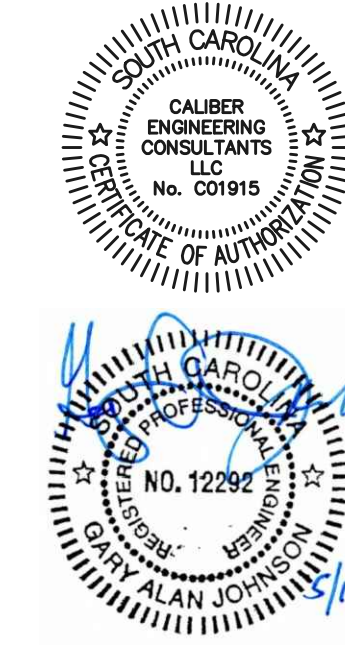
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|----------|-----|-----------------|
| 02-14-23 | A | OWNER REVIEW |
| 03-13-23 | B | OWNER REVIEW #2 |
| 04-19-23 | C | FOR BIDS |
| 05-10-23 | D | ADDENDUM #2 |

ISSUE:
DATE:
PROJECT NO: 100-017
CAD DWG FILE:
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GATEWAY
ELEMENTARY
SCHOOL
SITE PLAN



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 swindham@greenville.k12.sc.us



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| 03-13-23 | A | OWNER REVIEW |
| 04-10-23 | B | FOR BIDS |
| 05-10-23 | C | ADDENDUM #2 |

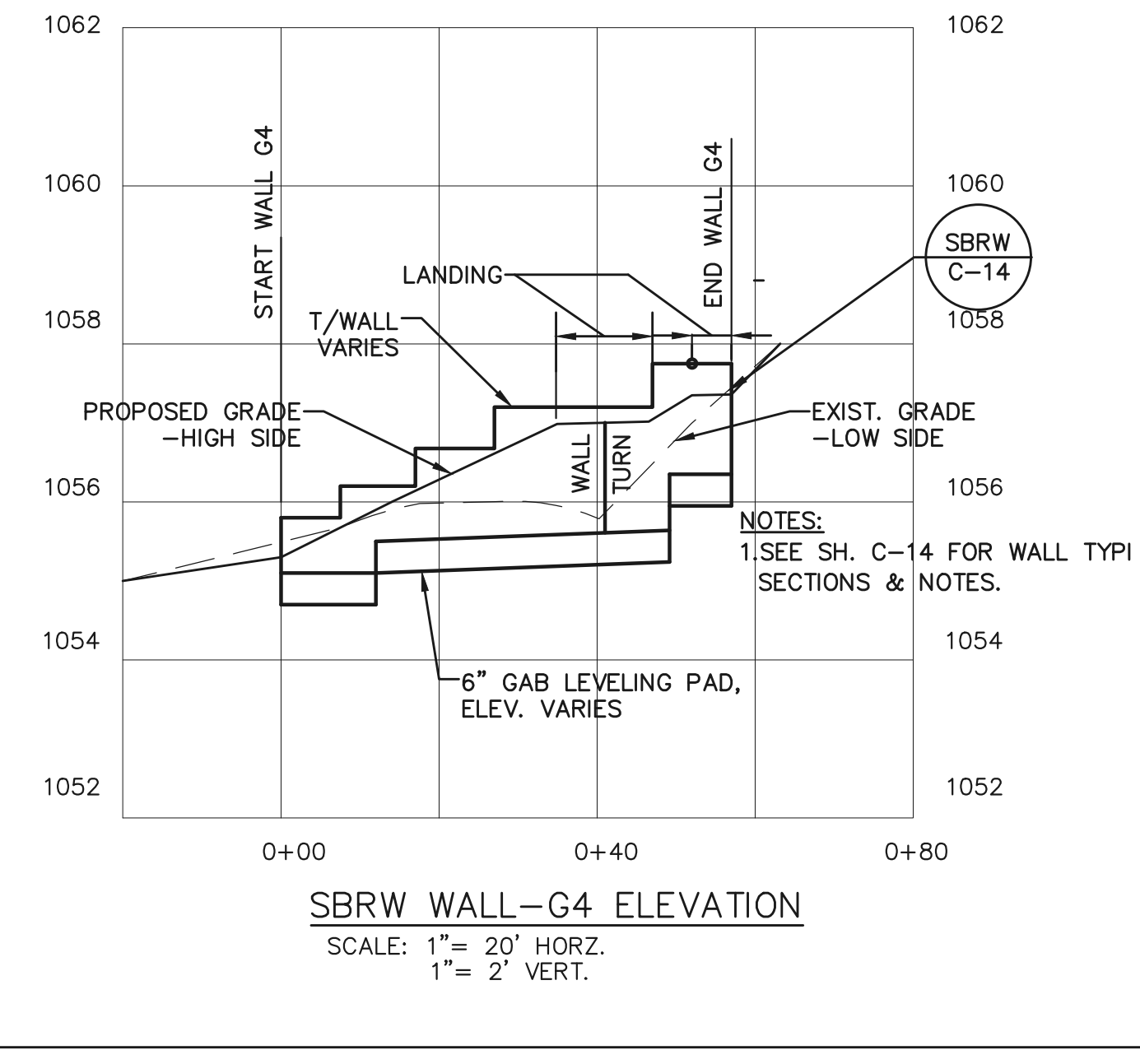
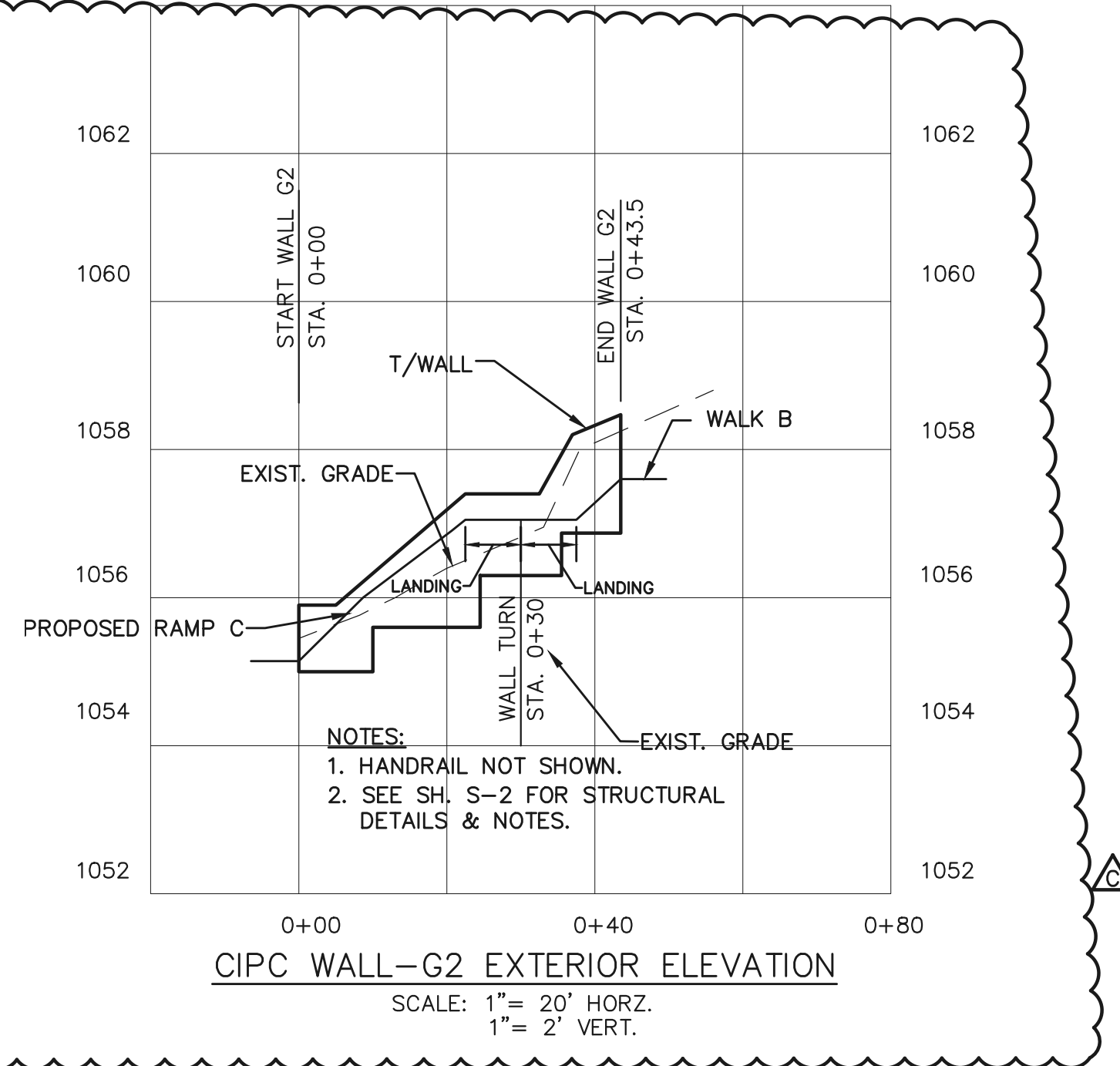
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GATEWAY ELEMENTARY SCHOOL RET. WALL ELEVATIONS

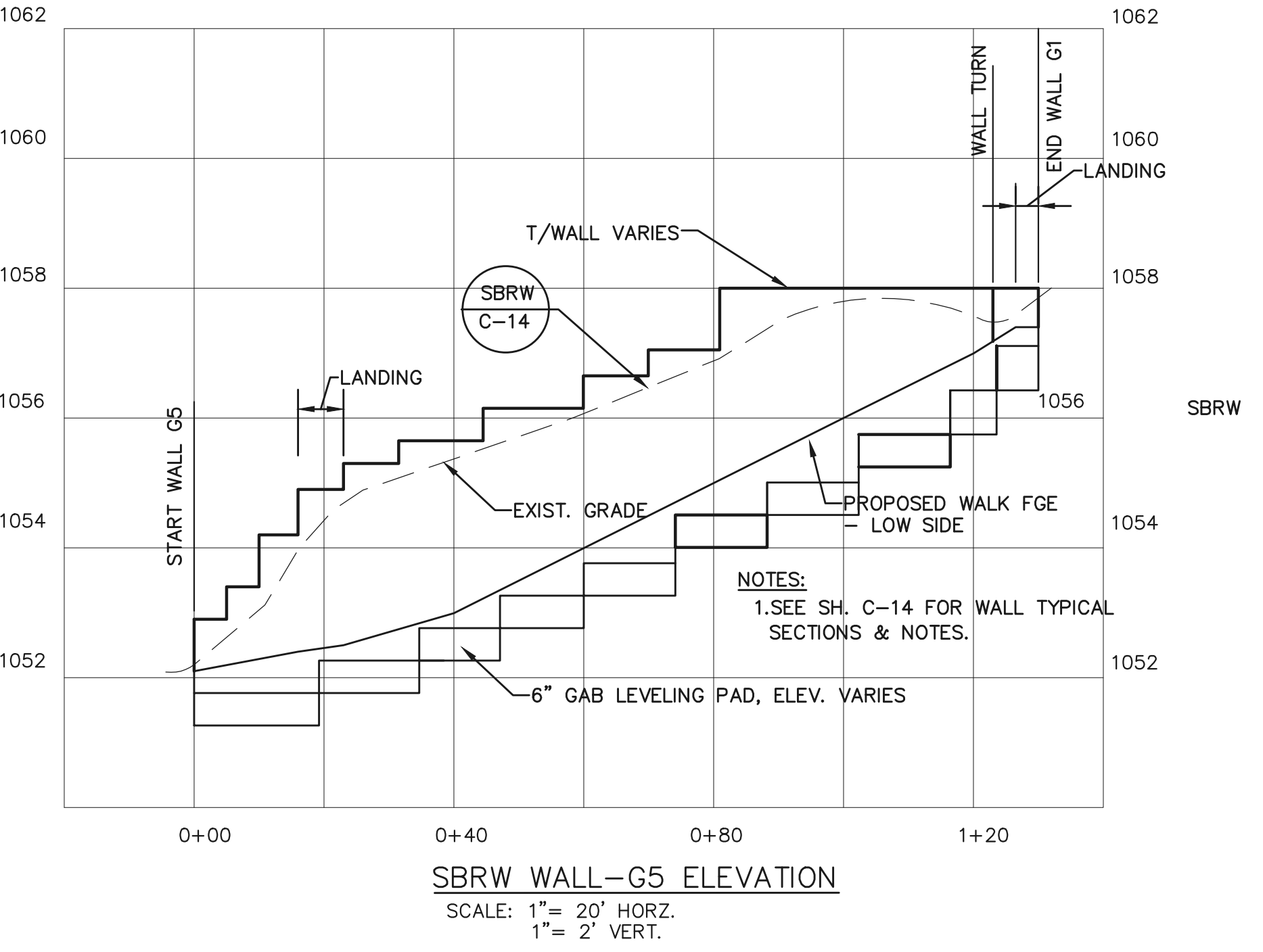
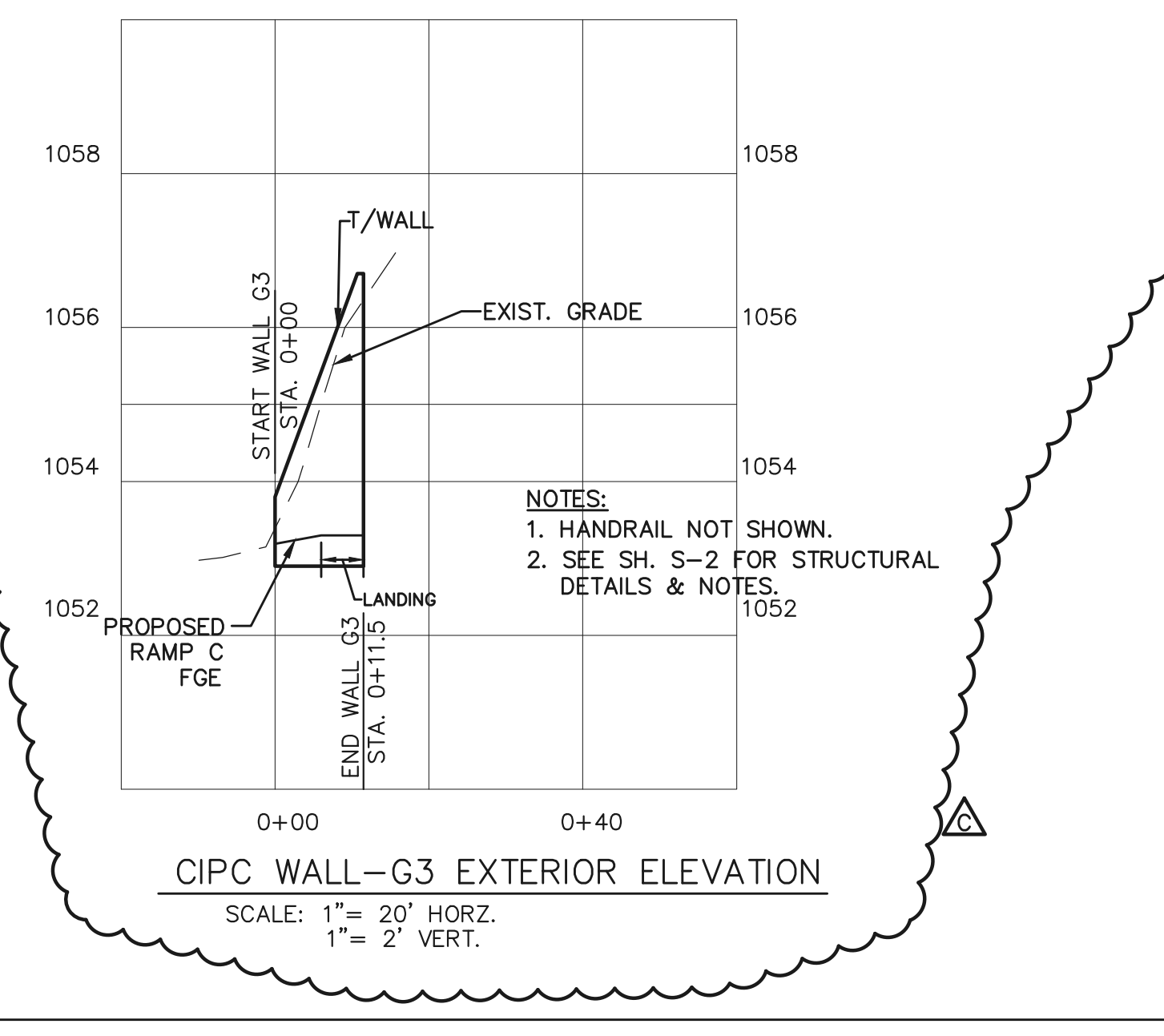
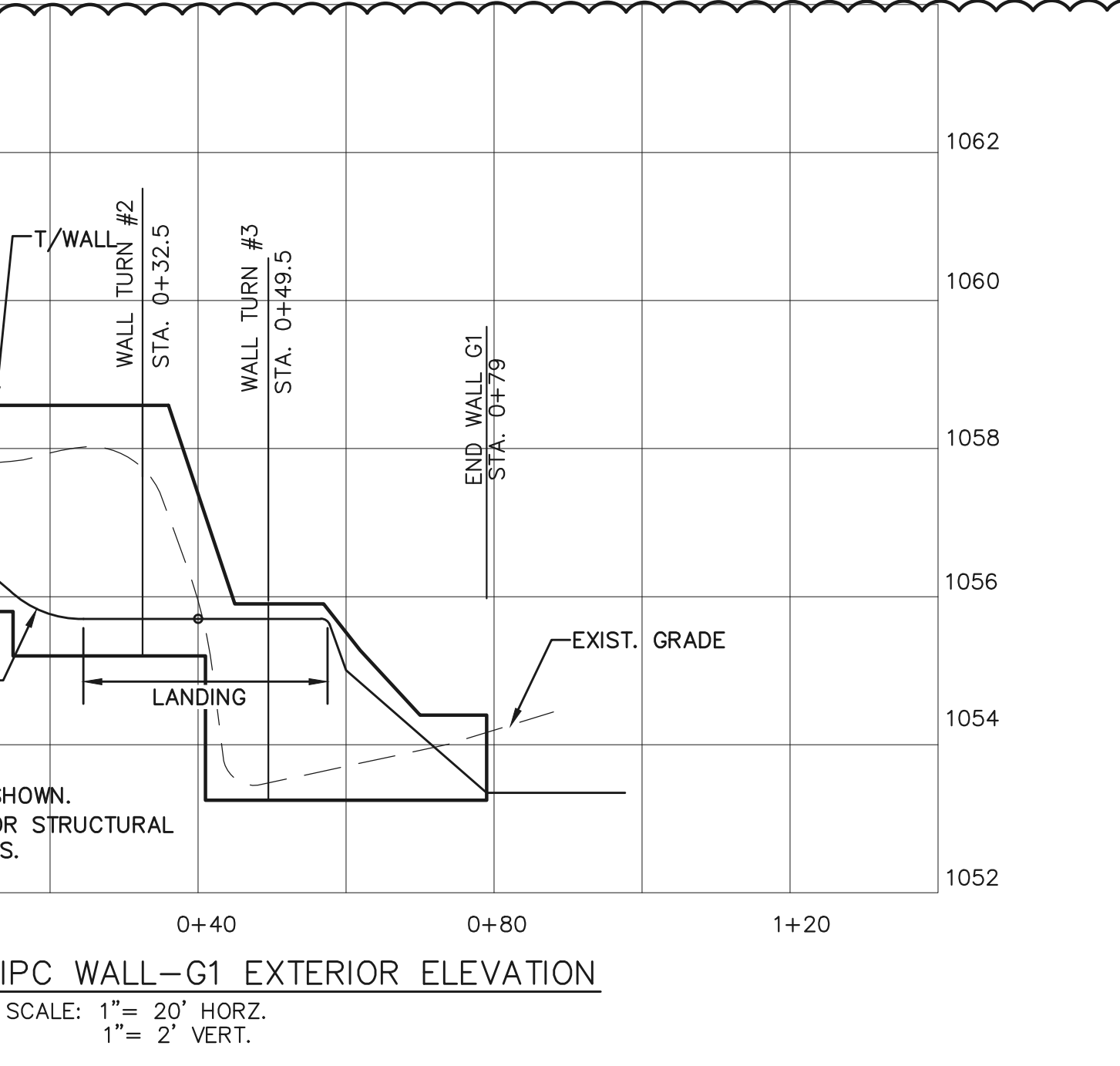
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NOTES:
 1. SEE SH. S-2 FOR CIPC WALL DETAILS & NOTES.



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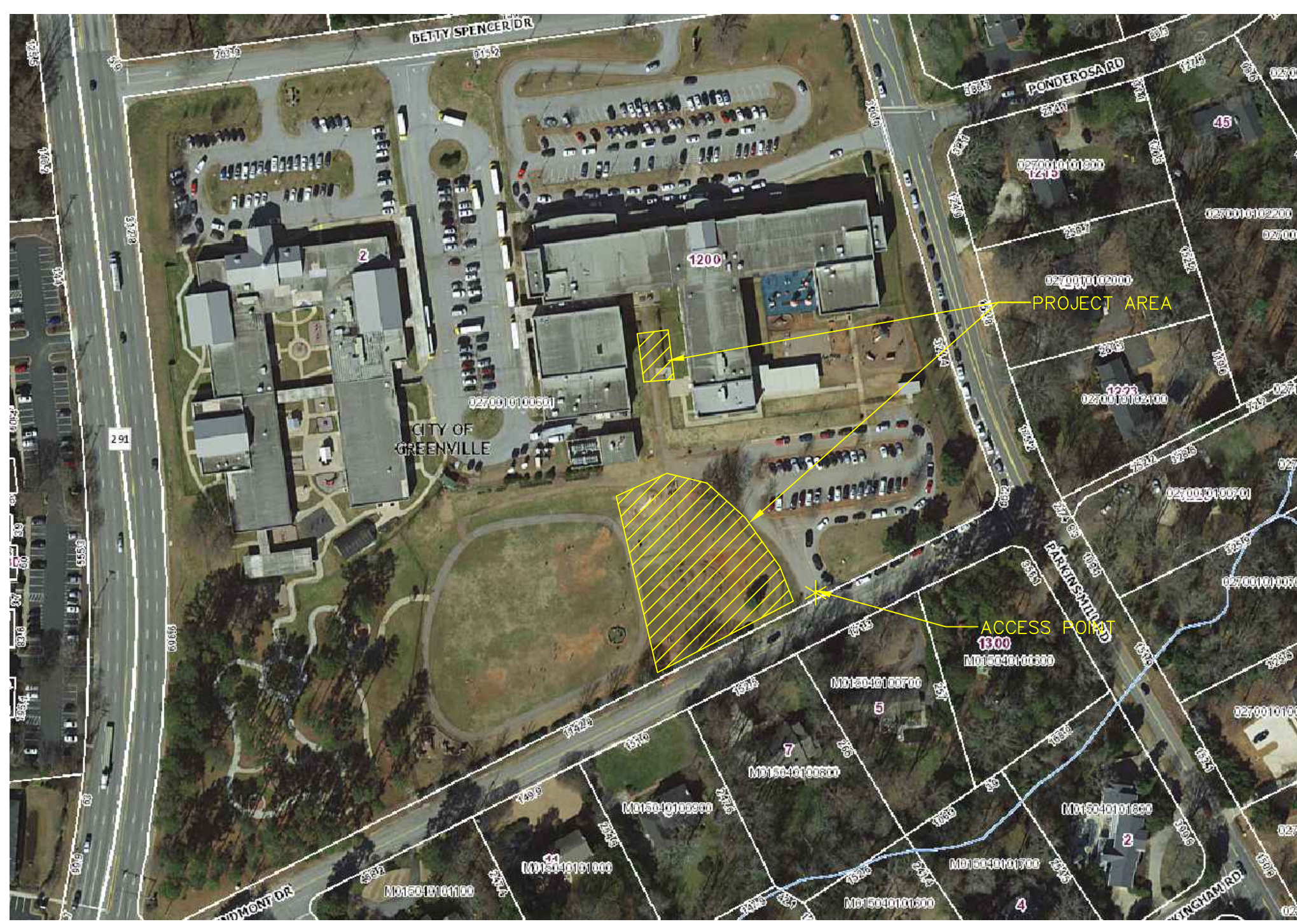
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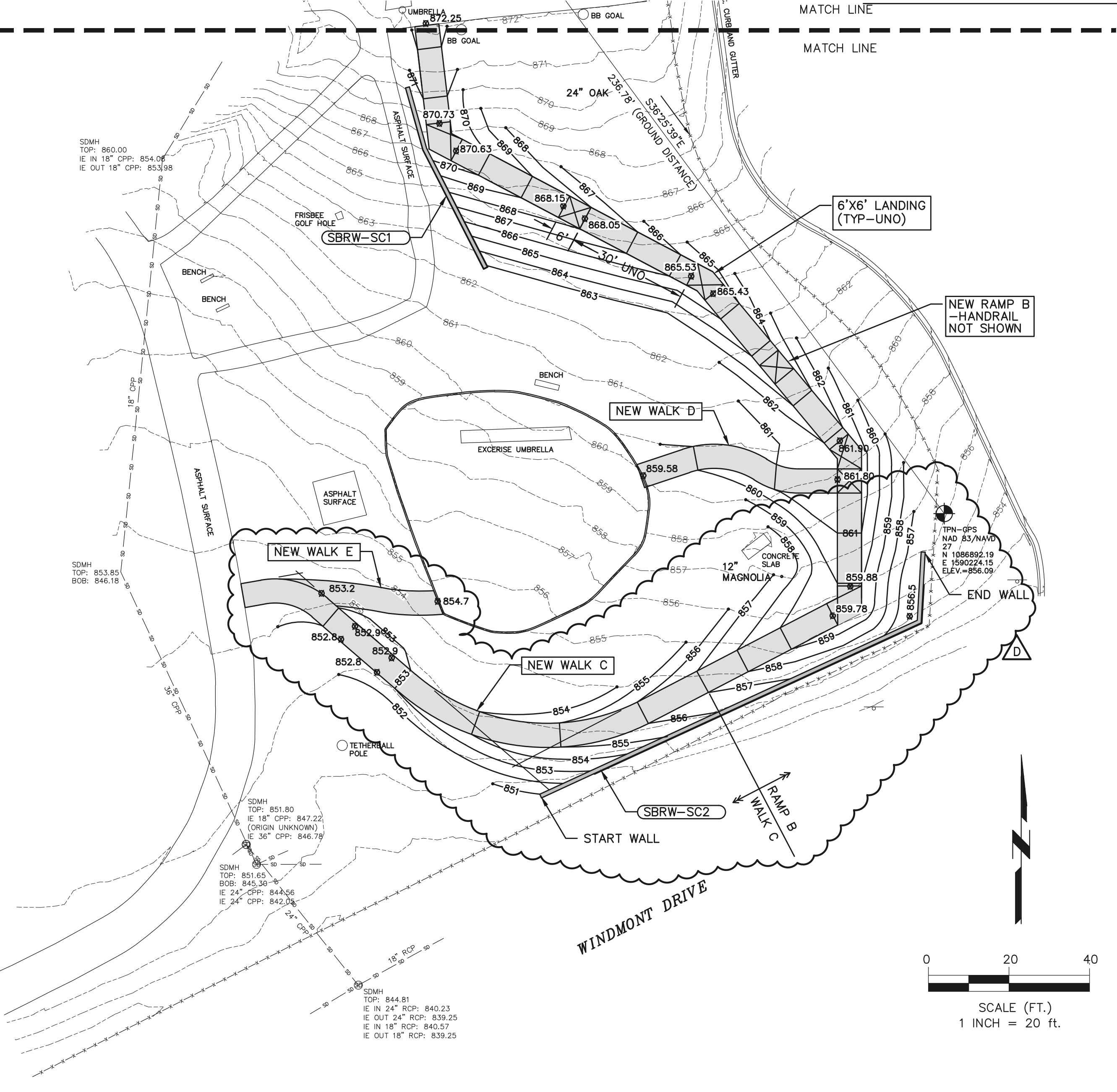
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D



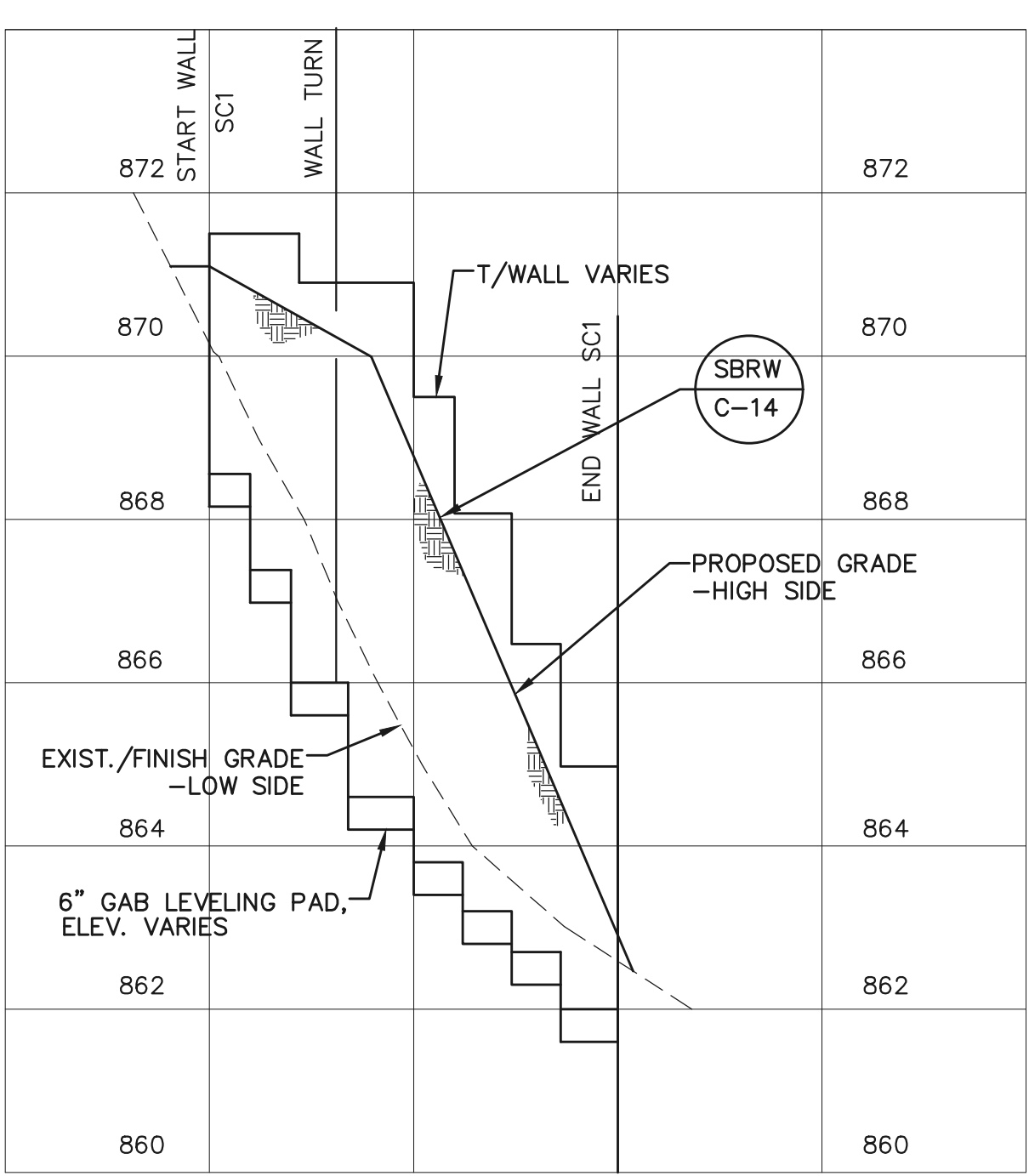
VICINITY MAP
APPROX. SCALE: 1"=150'

C

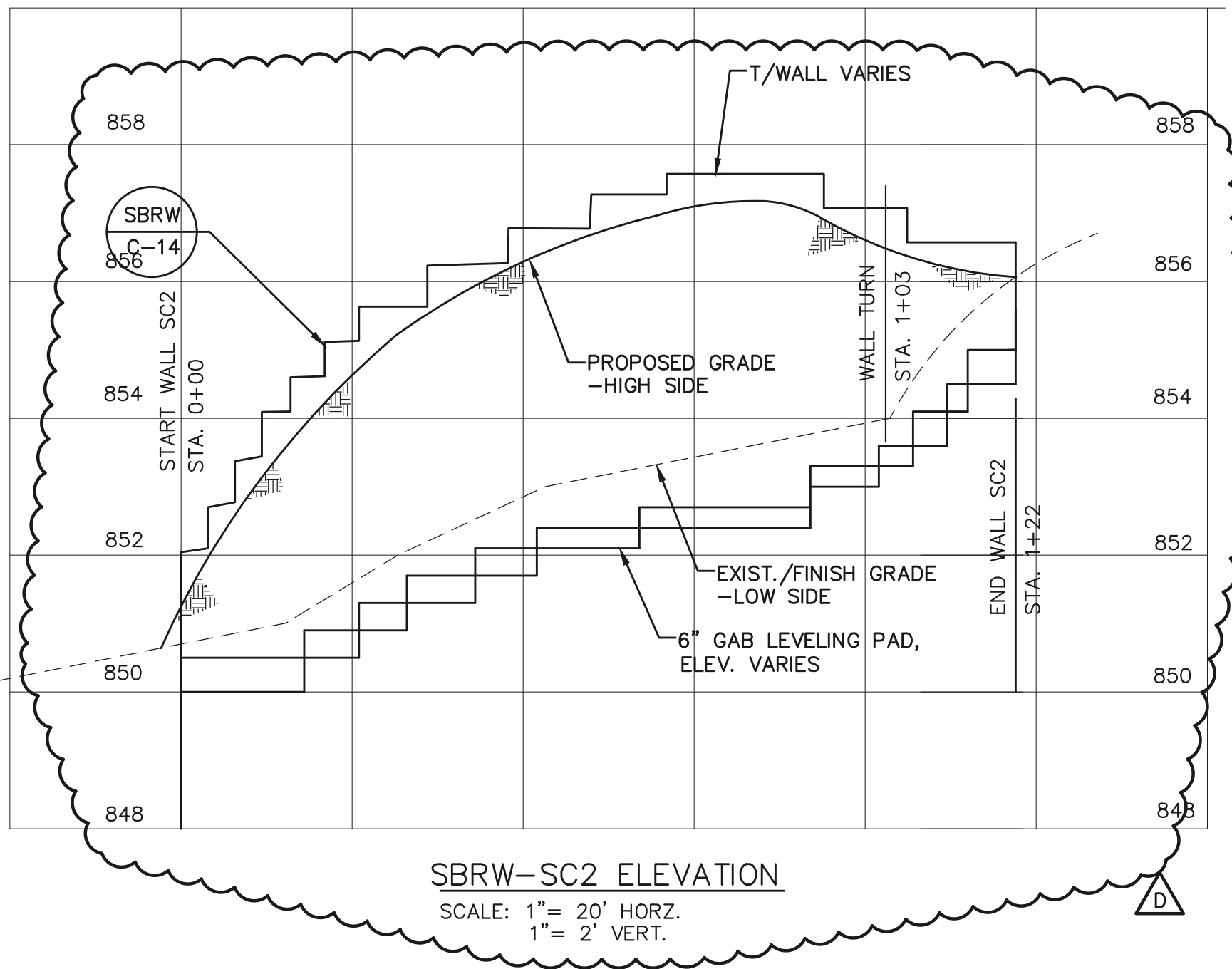


SARA COLLINS ELEMENTARY SCHOOL SITE PLAN
SCALE: 1"=20'

A

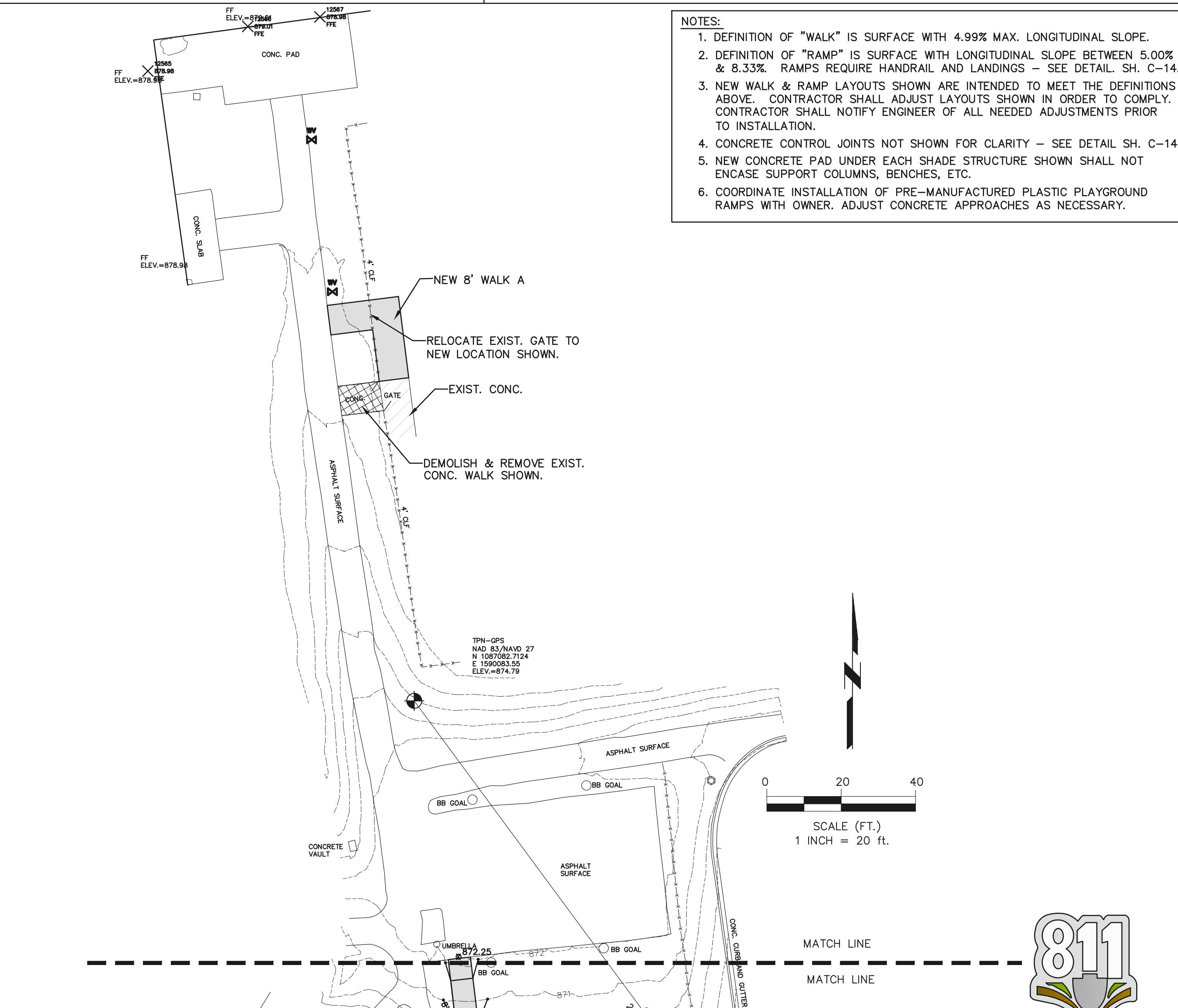


SBRW-SC1 ELEVATION
SCALE: 1"= 20' HORIZ.
1"= 2' VERT.



SBRW-SC2 ELEVATION
SCALE: 1"= 20' HORIZ.
1"= 2' VERT.

- NOTES:
1. DEFINITION OF "WALK" IS SURFACE WITH 4.99% MAX. LONGITUDINAL SLOPE.
 2. DEFINITION OF "RAMP" IS SURFACE WITH LONGITUDINAL SLOPE BETWEEN 5.00% & 8.33%. RAMP REQUIRE HANDRAIL AND LANDINGS - SEE DETAIL SH. C-14.
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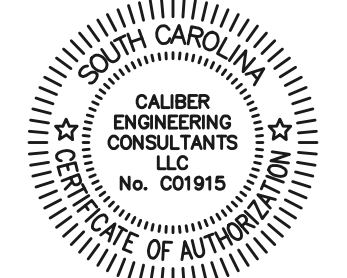


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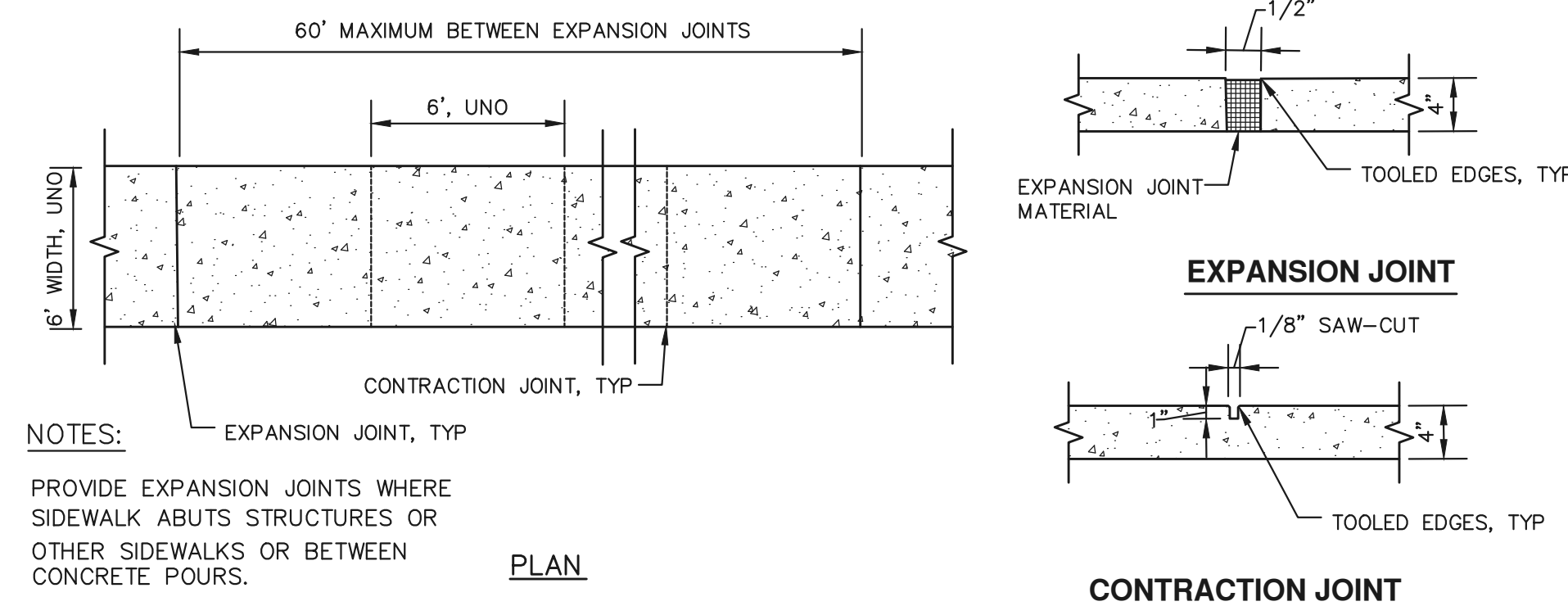
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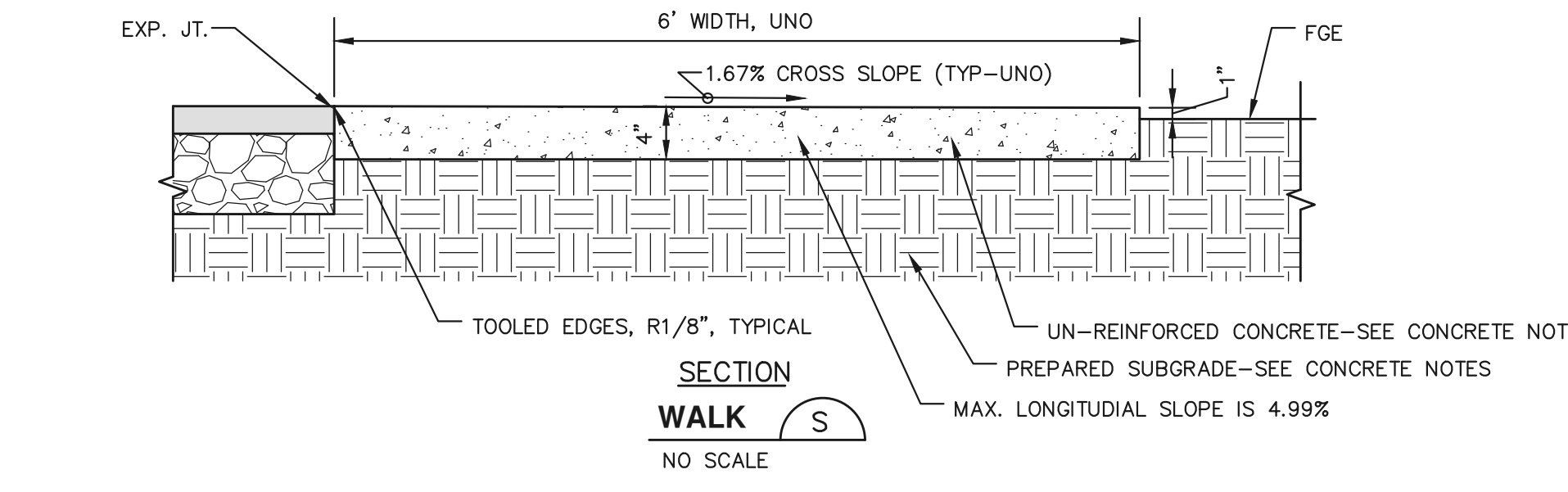
SARA COLLINS
ELEMENTARY
SCHOOL
SITE PLAN

C-10

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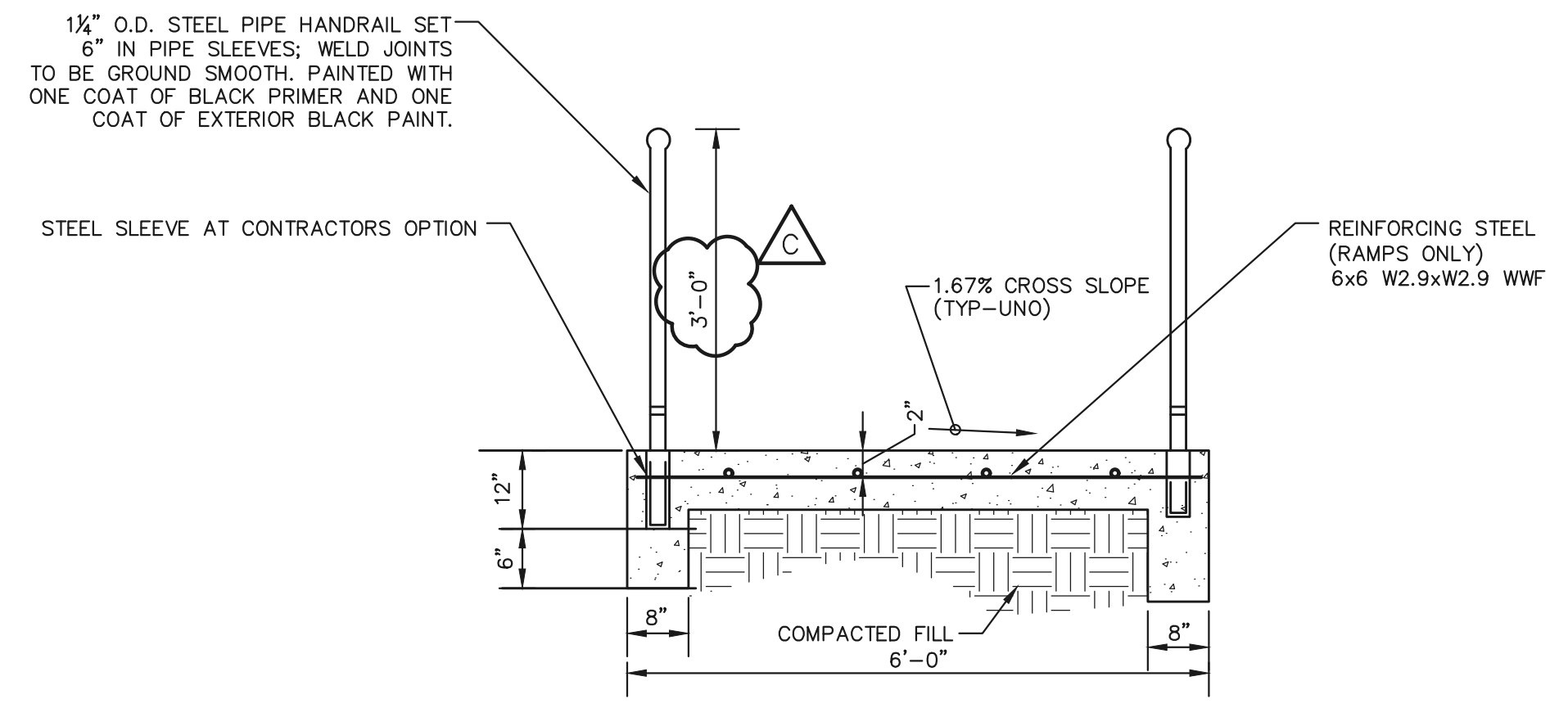


NOTES:
 PROVIDE EXPANSION JOINTS WHERE SIDEWALK ABUTS STRUCTURES OR OTHER SIDEWALKS OR BETWEEN CONCRETE POURS.



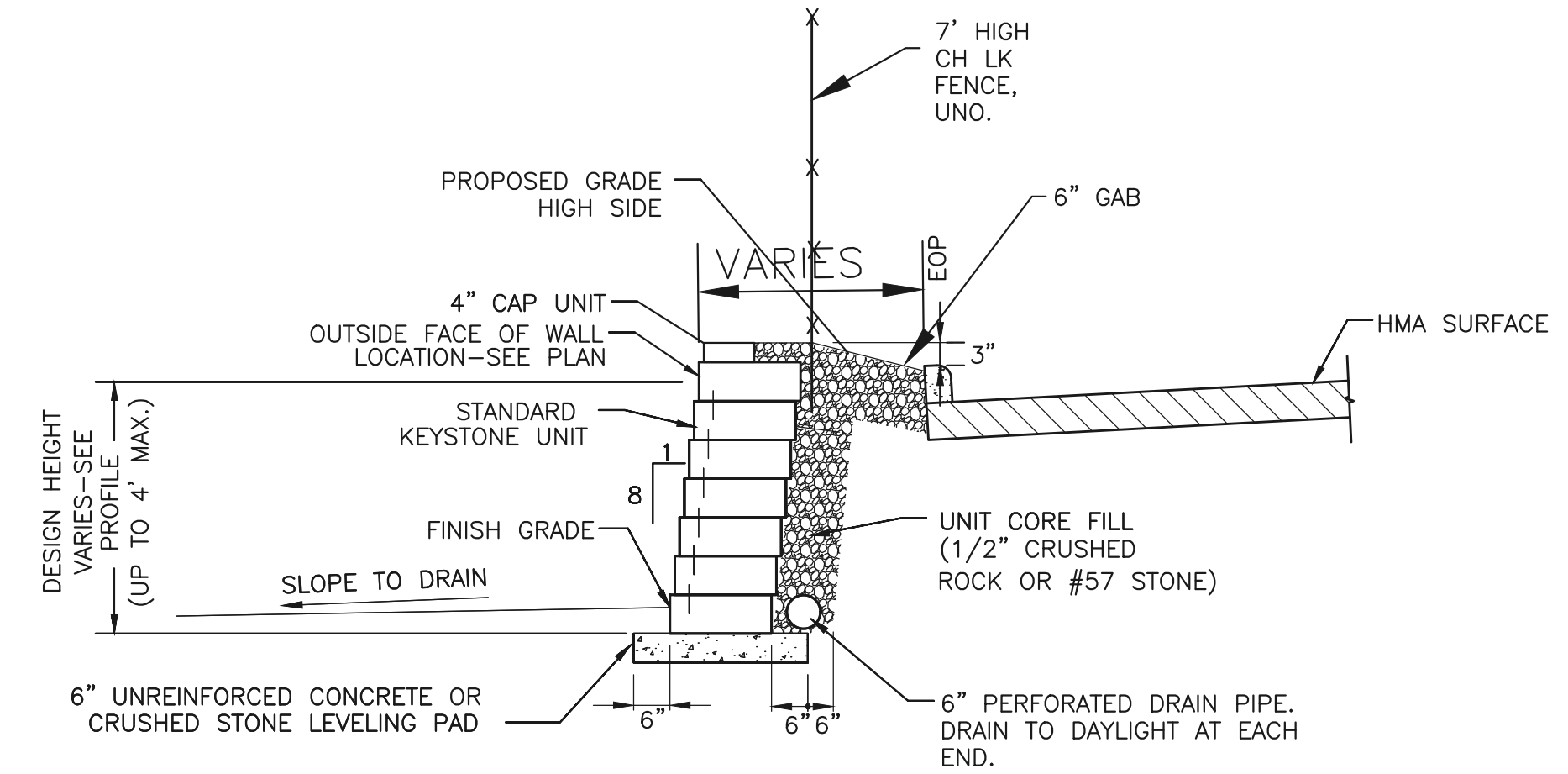
- CONCRETE NOTES**
- CONTRACTOR MUST ALL VERIFY ALL FIELD CONDITIONS, INCLUDING DIMENSIONS, THAT AFFECT THE WORK COVERED ON THESE DRAWINGS.
 - ALL WORK SHALL CONFORM TO THE 2006 EDITION OF THE INTERNATIONAL BUILDING CODE.
 - CONCRETE SHALL BE PLACED ON UNDISTURBED SOIL OR COMPACTED FILL CONFORMING TO 95% STANDARD DENSITY. SOIL SHALL BE INSPECTED BY A GEOTECHNICAL ENGINEER PRIOR TO PLACEMENT OF CONCRETE.
 - ALL WORK SHALL BE DONE IN ACCORDANCE WITH ACI 318.
 - CONCRETE SHALL OBTAIN A COMPRESSIVE STRENGTH OF 3,500 PSI MIN. AT 28 DAYS. PROVIDE 3.5 TO 6.5% AIR ENTRAINMENT. CONCRETE SHALL BE Poured WITH A SLUMP OF 2 TO 5 INCHES. IF ADDITIONAL SLUMP UP TO 8 IS DESIRED, A SUPERPLATCIZER ADMIXTURE MAY BE ADDED AT THE SITE. THE MAXIMUM WATER-CEMENT RATIO IS 0.4 FOR THE MIX DESIGN.
 - REINFORCING BARS SHALL CONFORM TO ASTM A615, GRADE 60. LAP SPLICES TO BE CLASS B AS DEFINED BY ACI 318.
 - CONCRETE AGGREGATE SHALL CONFORM TO ASTM C33.
 - THE JOINT SEALER IS TO BE "EUCOLASTIC II" TWO PART URETHANE SEALANT BY THE EUCLID CHEMICAL COMPANY. THE SEALER MUST BE APPLIED IN STRICT ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.
 - CONCRETE SHALL BE CURED BY APPLYING A LIQUID MEMBRANE CURING COMPOUND AT THE MANUFACTURER'S RECOMMENDED COVERAGE.
 - CONTRACTOR SHALL BE RESPONSIBLE FOR ANY METHODS REQUIRED TO PREVENT THE CONCRETE FROM FREEZING AT LEAST 24 HOURS AFTER PLACEMENT IN ACCORDANCE WITH ACI 306. A NON-CHLORIDE ACCELERATOR UP TO 2% BY WEIGHT OF CEMENT MAY BE USED.
 - WATER STOP TO BE SYNKO-FLEX PREFORMED PLASTIC ADHESIVE WATERSTOP BY HENRY COMPANY
 - SAW CUT JOINTS AS SOON AS POSSIBLE AFTER FINISHING OPERATIONS WITHOUT CAUSING RAVELING OF THE SURFACE
 - ENTIRE SLAB MAY BE PLACED AS ONE POUR IF SAWED CONTROL JOINTS ARE USED. 10'x10' MAX. SPACING OF CONTROL JOINTS.
 - SEE SPEC. SECTION 02751 FOR ADDITIONAL REQUIREMENTS.

C

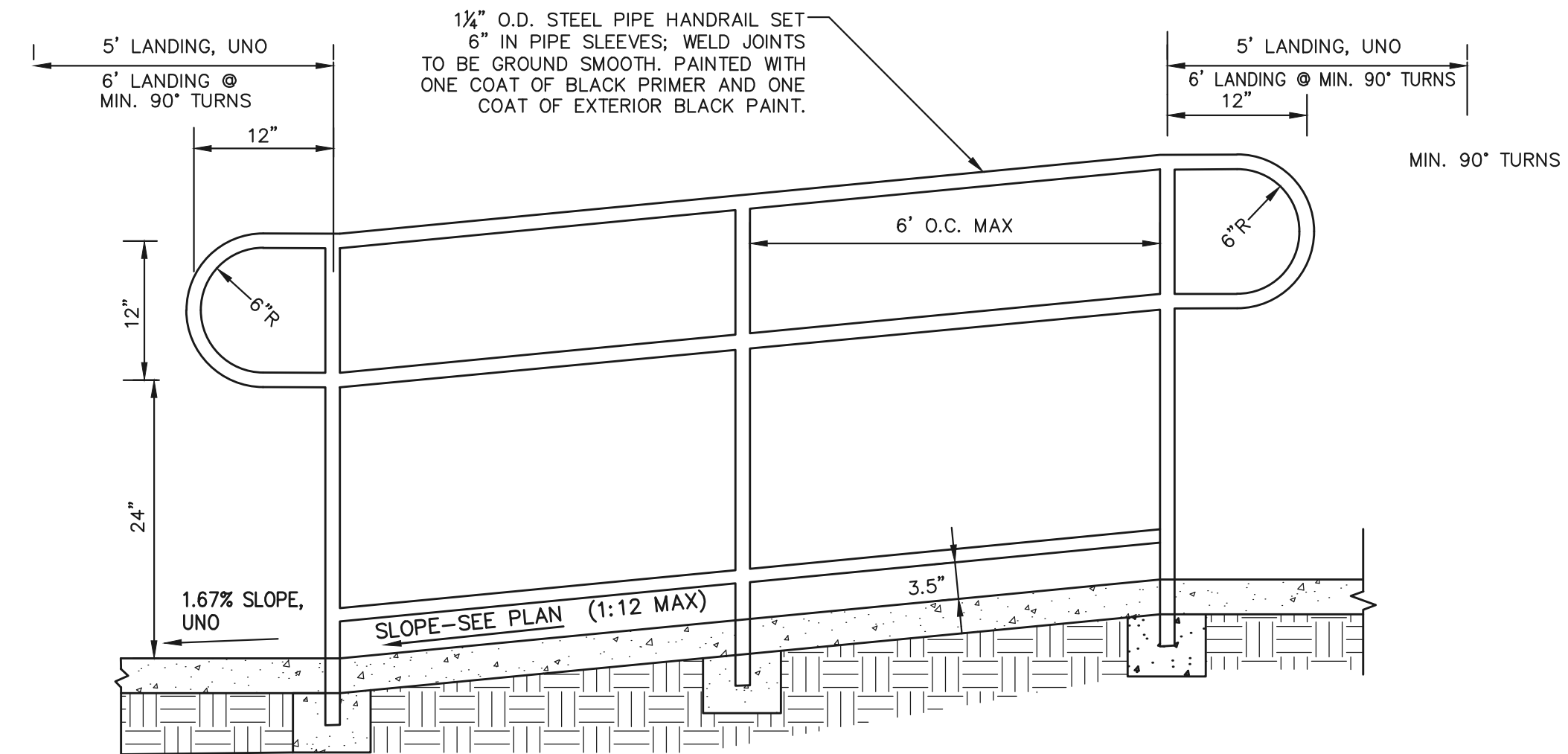


NOTES:
 1. ALL HANDRAILS SHALL BE STEEL W/ ALL WELDS CONTINUOUS AND GROUND SMOOTH. MECHANICAL FASTENERS ARE UNACCEPTABLE. FINISH ALL STEEL WITH BLACK PRIMER AND PAINT.

- NOTES:**
- ALL SOILS AND GRANULAR FILL USED BEHIND SEGMENTAL BLOCK RETAINING WALLS (SBRW) SHALL BE PROVIDED BY CONTRACTOR FROM OFF-SITE SOURCES AT NO ADDITIONAL COST TO OWNER.
 - TYPICAL WALL SECTIONS SHOWN ARE PRELIMINARY IN NATURE AND PROVIDED ONLY TO SHOW THE GENERAL NATURE OF THE WALL SECTION. THEY ARE NOT INTENDED AS A FINAL DESIGN. FINAL WALL DESIGN SHALL BE PERFORMED BY A LICENSED SC PE QUALIFIED BY TRAINING AND EXPERIENCE TO DESIGN THE WALL TYPES SHOWN. CONTRACTOR SHALL SUBMIT FINAL DESIGN, LAYOUT, & DETAILS FOR EACH WALL FOR ENGINEER APPROVAL PRIOR TO ORDERING WALL UNITS.



B



NOTES:
 1. MAXIMUM VERTICAL CHANGE BEFORE INTERMEDIATE 5' MIN. LANDING IS REQUIRED = 2'-6".
 2. MAXIMUM RAMP LENGTH BEFORE INTERMEDIATE 5' LANDING IS REQUIRED: 30'-0".

SIDEWALK RAMP

NO SCALE

A



Know what's below
 CALL before you dig

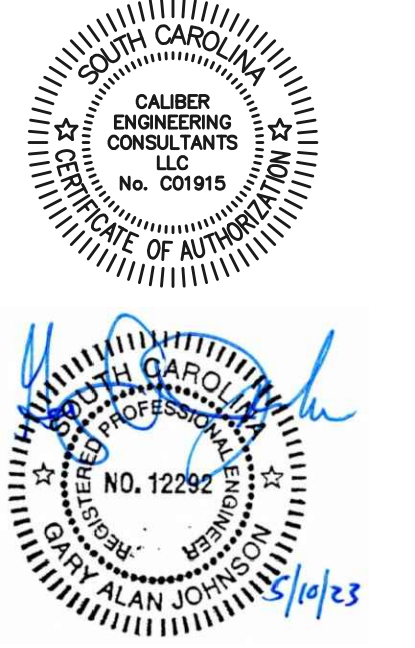
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2023 PLAYGROUND ADA ACCESS IMPROVEMENTS PROJECT AT NINE (9) ELEMENTARY SCHOOLS

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| DATE | REV | DESCRIPTION |
|----------|-----|--------------|
| 03-13-23 | A | OWNER REVIEW |
| 04-10-23 | B | FOR BIDS |
| 05-10-23 | C | ADDENDUM #2 |

ISSUE:
 DATE:
 PROJECT NO: 100-017
 CAD DWG FILE:
 DRAWN BY:
 CHECKED BY:

MISC. NOTES & DETAILS

C-14