

E

D

C

B

A

CONSTRUCTION DOCUMENTS

LILLINGTON-SHAWTOWN ELEMENTARY ADDITION

855 OLD US HWY 421, LILLINGTON, NC 27546

...Becoming the
Leading Designer of
High Performance Facilities
in the Nation with a
Specialty in Alternative
Delivery Methods

333 Fayetteville St, Ste 225
Raleigh, NC 27601
P: 919-573-4339
F: 919-573-4335
www.sfla.biz

sfl+a
ARCHITECTS



TIMMONS GROUP
YOUR VISION ACHIEVED THROUGH OURS

THIS SEALING IS PROVIDED BY THE
RALEIGH OFFICE

3410 Trinity Road, Suite 110
Raleigh, NC 27607
Phone: 919-876-6100
Fax: 919-876-6103
www.timmons.com

North Carolina License No. C-1552
The Professional Seal of a Registered Professional Engineer
2020-2027

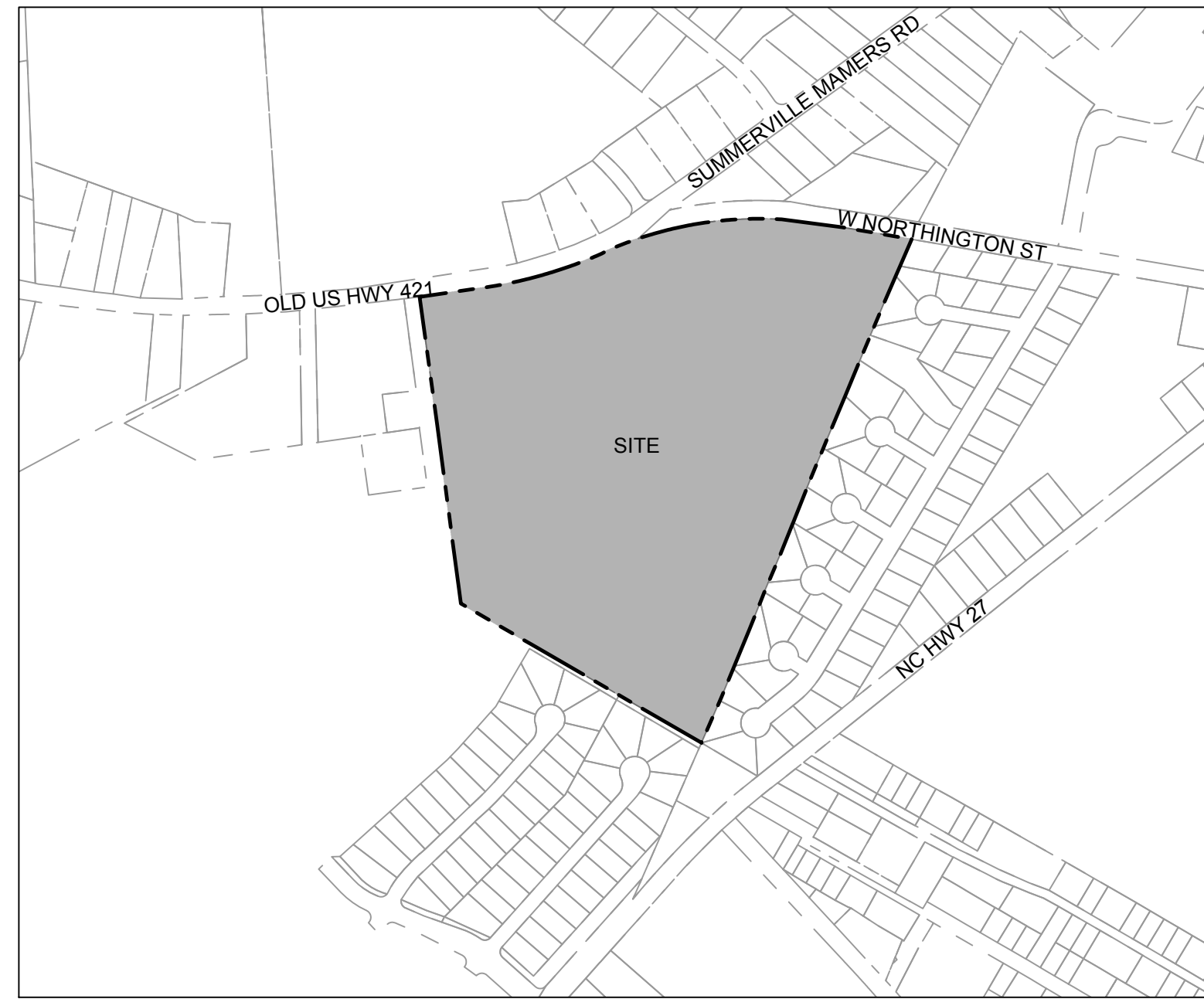
Sheet List Table	
Sheet Number	Sheet Title
C0.0	COVER SHEET
C0.1	KEY PLAN
C1.0	EXISTING CONDITIONS & DEMOLITION PLAN
C2.0	PHASE I EROSION CONTROL PLAN
C2.1	PHASE II EROSION CONTROL PLAN
C2.2	PHASE III EROSION CONTROL PLAN
C3.0	SITE PLAN
C3.1	UTILITY PLAN
C4.0	GRADING PLAN
C4.1	STORMWATER MANAGEMENT PLAN
C4.2	UTILITY PROFILES
C5.0	NOTES AND DETAILS
C5.1	NOTES AND DETAILS
C5.2	NOTES AND DETAILS
C5.3	NOTES AND DETAILS
C5.4	NOTES AND DETAILS

UTILITY / MUNICIPALITY CONTACTS:

- A. TOWN OF LILLINGTON
PLANNING AND INSPECTIONS DEPARTMENT
CONTACT: LONDON CHANDLER
PLANNING DIRECTOR
(910) 893-0316
LTCHANDLER@LILLINGTONNC.ORG
- B. HARNETT COUNTY PUBLIC WORKS
CONTACT: ASHLEY WIMBERLY
PUBLIC WORKS DIRECTOR
(910) 893-2654
- C. BURIED CABLE LOCATION
NC 811
- D. ELECTRICITY PROVIDER
PROGRESS ENERGY
- E. WATER/SEWER PROVIDER
HARNETT REGIONAL WATER
(910) 893-7575

CONSULTANT CONTACTS:

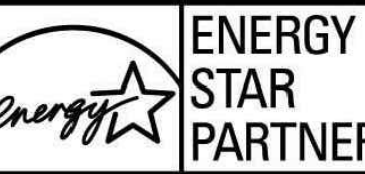
- OWNER
HARNETT COUNTY SCHOOLS
1008 S 11TH STREET
LILLINGTON, NC 27546
- ARCHITECT
SFL+A ARCHITECTS
JEREMY KONKEL, NCARB
PROJECT COORDINATOR
333 FAYETTEVILLE ST, STE 225
RALEIGH, NC 27601
919-573-63339
- SITE ENGINEER
TIMMONS GROUP
CONTACT: WILL ALTMAN, PE
5410 TRINITY ROAD, SUITE 102
RALEIGH, NC 27607
PHONE: 919-866-4938



VICINITY MAP
1" = 500'

SITE DATA TABLE	
JURISDICTION	CITY OF LILLINGTON
ZONING	100% RESIDENTIAL SINGLE-FAMILY (RS-20)
PIN #	0549877938
DEED	BOOK 1625, PG 0824
EXISTING USE	SCHOOL, ELEMENTARY
PROPOSED USE	SCHOOL, ELEMENTARY
FLOOD ZONE	NO FLOOD PLAINS ONSITE PER FIRM MAP 3720054800J
CONSTRUCTION TYPE	TYPE 2B
OCCUPANCY TYPE	E
EXISTING TRACT AREA	42.15 ± ACRES
PROPOSED TRACT AREA	42.15 ± ACRES
NUMBER OF LOTS EXISTING	1
NUMBER OF LOTS PROPOSED	1
NUMBER OF UNITS	1
DISTURBED AREA	+/- 1.99 AC
IMPERVIOUS AREA	EXISTING TO REMAIN: 6.62 AC PROPOSED: 0.71 AC TOTAL: 7.33 AC
PROPOSED TOTAL % IMPERVIOUS	(7.33 AC / 42.15 AC)% = 17.4%
MIN LOT FRONTAGE	N/A
MAXIMUM BUILDING HEIGHT	55 FT
PROPOSED BUILDING HEIGHT	26'-6"
MINIMUM BUILDING SETBACK	FRONT: 30 FT SIDE: 10 FT SIDE STREET: 20 FT REAR: 25 FT
MAXIMUM NUMBER OF LOTS	1
MIN LOT SIZE	20,000 SF
MINIMUM LOT WIDTH	100 FT
EXISTING BUILDING SQUARE FOOTAGE	95,130 SF (2.18 AC)
PROPOSED BUILDING ADDITION SQUARE FOOTAGE	GYM: 10,530 SF (0.24 AC)
RIVER BASIN	CAPE FEAR
STREAM CLASSIFICATION	WS-IV
NUMBER OF SCMS	0
PROPOSED BUILDING ADDITION SPRINKLED	NO

Harnett County Schools
LILLINGTON-SHAWTOWN ELEMENTARY ADDITION
855 Old US Highway 421
Lillington, NC 27546



No.	Date	Description

ISSUE DATE: 07-26-24
PROJECT #: 63407
DRAWN BY: SC
CHECKED BY: WA
© 2024 Sfl+a Architects, PA
All Rights Reserved

COVER SHEET

C0.0



ADJOINING PROPERTY INFORMATION	
1	PURCHASING FUND 2023 2 LLC PIN: 0549-98-6652.000 DB 4225 PG 2943
2	BALLENTINE LATANYA PIN: 0549-98-6522.000 DB 3491 PG 0742
3	POULLARD LATARA N JT WIROS PIN: 0549-98-5457.000 DB 3488 PG 0594
4	ROSE BETTE PIN: 0549-98-5385.000 DB 3488 PG 0707
5	EMILIES CROSSING HOMEOWNERS ASSOC NC PIN: 0549-98-6202.000 DB 3580 PG 0415
6	NIJMBERE DAVID PIN: 0549-98-4185.000 DB 4161 PG 1326
7	SANTOS MARIAN A PIN: 0549-98-3086.000 DB 4215 PG 1238
8	HARRIS TYWANIA LANIECE PIN: 0549-97-3818.000 DB 3636 PG 0553
9	BONACICH DRAGO PIN: 0549-97-3636.000 DB 4167 PG 2429
10	ELDRED AUSTIN A & EDRED SHELBY PIN: 0549-97-2872.000 DB 3550 PG 0748
11	DIAZ RAFAEL V & VELEZ ELENA ABIGAIL PIN: 0549-97-1680.000 DB 3547 PG 0072
12	BATTLE ROBYN PIN: 0549-97-1488.000 DB 3590 PG 0677
13	SFR JV 2 NTL BORROWER LLC & C/O TRICON AMERICAN HOMES LLC PIN: 0549-97-1368.000 DB 4216 PG 0159
14	SFR JV 2 NTL BORROWER LLC & C/O TRICON AMERICAN HOMES LLC PIN: 0549-97-0371.000 DB 4216 PG 0159
15	MCIVER WHITNEY ROBIN & MCIVER CHRISTOPHER ANTONIO ORLANDO PIN: 0549-97-1110.000 DB 3570 PG 0004
16	HALL KEYONDA & HALL DARRYL PIN: 0549-97-0133.000 DB 3583 PG 0536
17	BUTLER HELEN RENEE PIN: 0549-97-9075.000 DB 3587 PG 0247
18	STEWART SEQUIA A & STEWART ANDERICKA R PIN: 0549-97-9091.000 DB 3586 PG 0024
19	CURRIE WILLIE LEE PIN: 0549-86-9834.000 DB 1145 PG 0300
20	SHULTZ GARRET & SHULTZ LINDSAY PIN: 0549-86-8902.000 DB 4200 PG 1744
21	MASSEY YVETTE & MASSEY ANTONIO PIN: 0549-86-7959.000 DB 3533 PG 0091
22	WARREN-WALTON GWENDOLYN Y PIN: 0549-87-8032.000 DB 3552 PG 0085
23	BOYD VICTORIA PIN: 0549-87-5029.000 DB 3600 PG 0719
24	SANDOVAL RICHARD EDWIN & RODRIGUEZ MELISSA PIN: 0549-87-4175.000 DB 3607 PG 0326
25	MUNFORD KEIAH NICOLE PIN: 0549-87-3170.000 DB 3616 PG 0711
26	2 GEN HOLDINGS LLC PIN: 0549-87-2324.000 DB 3068 PG 0637
27	TOWN OF LILLINGTON PIN: 0549-76-9132.000 DB PG (N/A)
28	NC DEPARTMENT OF TRANSPORTATION PIN: 0600-97-8610.000 DB PG (N/A)
29	NC DEPARTMENT OF TRANSPORTATION PIN: 0549-98-4723.000 DB PG (N/A)

...Becoming the Leading Designer of High Performance Facilities in the Nation with a Specialty in Alternative Delivery Methods

333 Fayetteville St, Ste 225
Raleigh, NC 27601
P: 919-273-4399
F: 919-273-4395
www.sfi+a.biz

sfi+a
ARCHITECTS

TIMMONS GROUP
YOUR VISION ACHIEVED THROUGH OURS

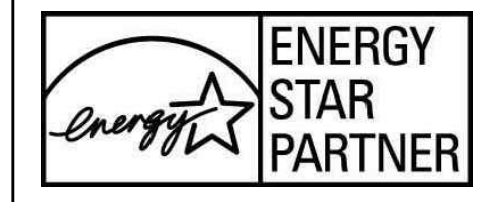
THIS DRAWING PREPARED BY THE
MAJORS OFFICE

5410 Treva Road, Suite 100
Raleigh, NC 27607
Phone: 919-876-0200
Fax: 919-876-0400
www.timmons.com
North Carolina License No. C-1582
The Professional Seal of the Architect is Required
2020-03

Harnett County Schools

LILLINGTON-SHAWTOWN ELEMENTARY ADDITION

855 Old US Highway 421
Lillington, NC 27546



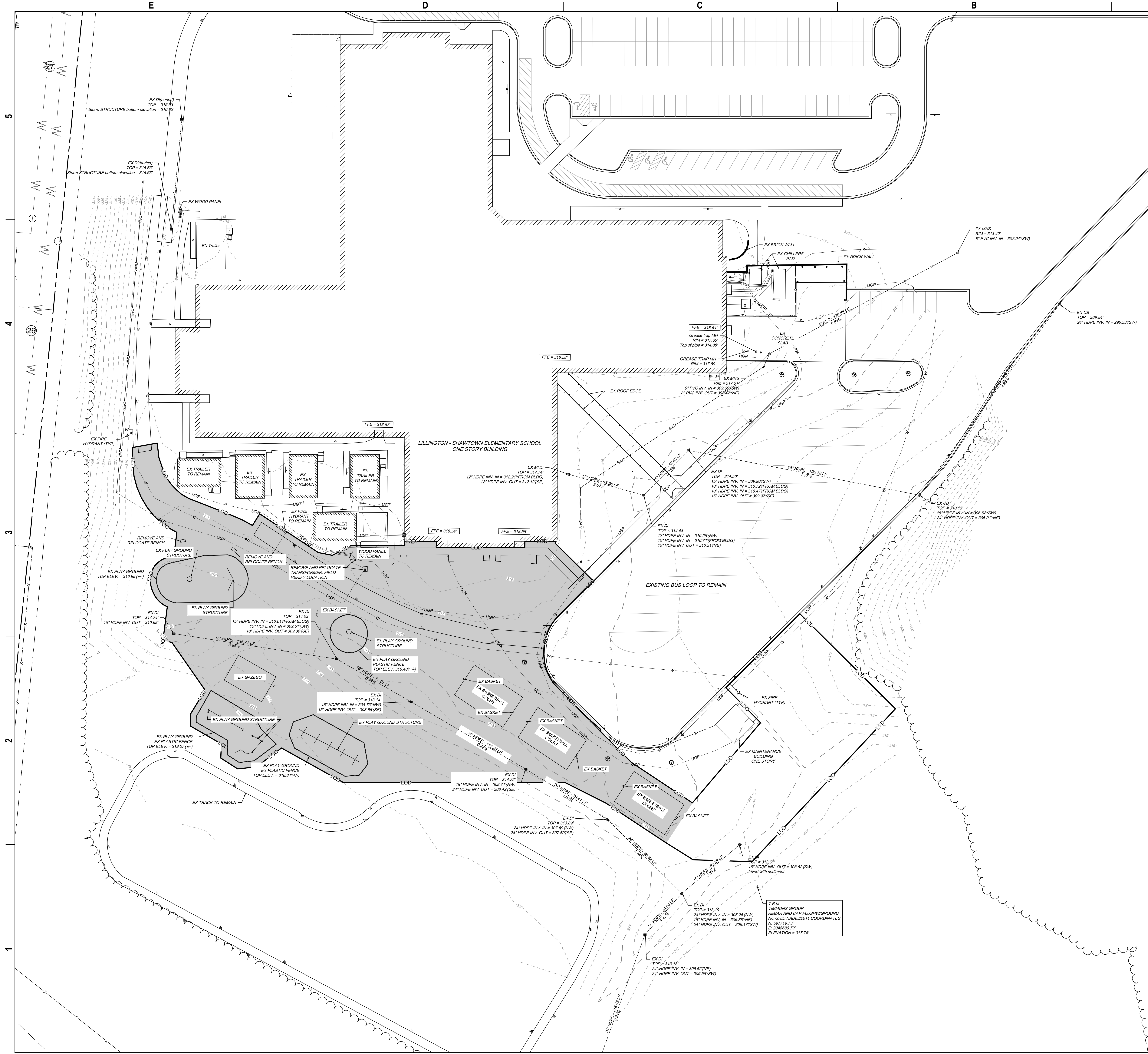
No.	Date	Description

ISSUE DATE: 07-26-24
PROJECT #: 63407
DRAWN BY: SC
CHECKED BY: WA
© 2024 Sfi.+a Architects, PA
All Rights Reserved

KEY PLAN

C0.1

ADA AND LEGAL DISCLAIMER: This document is intended to comply with the requirements of the Americans with Disabilities Act (ADA). However, architects and engineers are not licensed to interpret laws or give advice concerning laws. The owner should have this document reviewed by his attorney to determine if it complies with ADA and other laws.



- ### GENERAL NOTES:
- ALL DISTANCES ARE HORIZONTAL GROUND, U.S. SURVEY FEET.
 - ALL ACRESAGE CALCULATED BY COORDINATES.
 - NO REGISTER OF DEED SEARCH DONE BY OR FURNISHED TO SURVEYOR REGARDING DEED OR COVENANT RESTRICTIONS.
 - ADJOINING OWNER AND STREET INFORMATION PER CITY OF LILLINGTON TAX RECORDS.
 - THE GPS PORTION OF THE BOUNDARY WORK WAS PERFORMED TO THIRD ORDER, CLASS I, FGCC SPECIFICATIONS. THE COORDINATES WERE OBTAINED BY REAL TIME KINEMATIC DIFFERENTIAL GPS OBSERVATIONS USING TRIMBLE SURVEY GRADE R8 GSS GPS UNIT, NCGS RTK NETWORK ADJUSTMENTS TO NC GRID NAD 83, 2011 ADJUSTMENTS.
 - THE EXISTENCE OF UTILITIES MAY IMPLY THE EXISTENCE OF AN EASEMENT.
 - UNDERGROUND UTILITIES WITHIN THE STREET RIGHT-OF-WAY AS MARKED BY PAINTED LINES BY NO ONE CALL AND IDENTIFIED AS PER NO ONE CALL, COLOR CODE. UNDERGROUND UTILITIES ON SITE WERE MARKED AND IDENTIFIED AS PER CLIENT.
 - ELEVATIONS ARE NAVD 88 DATUM.
 - CONTRACTOR RESPONSIBLE FOR ALL DEMOLITION REQUIRED WITHIN THE LIMITS OF WORK SHOWN.
 - IT SHALL BE UNLAWFUL FOR ANY PERSON TO MAKE ANY EXCAVATION OR DO ANY OTHER WORK WHICH MAY CAUSE A DANGEROUS CONDITION IN OR ON ANY STREET, ALLEY, SIDEWALK, PUBLIC WAY OR PUBLIC PLACE IN THE CITY, UNLESS A WRITTEN PERMIT THEREFOR SHALL HAVE BEEN FIRST OBTAINED FROM AN OFFICER OF THE CITY VESTED WITH AUTHORITY TO GRANT THE SAME. NO PERMIT SHALL BE ISSUED IN ANY CASE WHERE A BOND IS REQUIRED, UNTIL A BOND SHALL HAVE BEEN EXECUTED.
 - THERE ARE NO AREAS OF ENVIRONMENTAL CONCERN OTHER THAN THOSE SHOWN.
 - CONTRACTOR SHALL COORDINATE THE LOCATION OR RELOCATION OF ALL OVERHEAD AND UNDERGROUND COMMUNICATION LINES, ELECTRIC AND GAS SERVICE WITH THE APPROPRIATE UTILITY COMPANY AND/OR THE TOWN PRIOR TO BEGINNING CONSTRUCTION. CONTRACTOR SHALL PROVIDE CONDUITS AS REQUIRED FOR THESE UTILITIES UNDER PAVED AREAS.

- ### DEMOLITION NOTES:
- NOTIFY OWNER AND ARCHITECT IMMEDIATELY OF UTILITY SERVICE INTERRUPTIONS TO NEIGHBORING PROPERTIES.
 - UTILITIES ENCOUNTERED THAT ARE NOT INCLUDED WITHIN THE EXISTING CONDITIONS PLANS SHALL BE REMOVED OR RELOCATED PER THE OWNER, ARCHITECT AND UTILITY PROVIDERS DIRECTION.
 - EVERYTHING WITHIN THE LIMITS OF DISTURBANCE SCHEDULED TO BE DEMOLISHED SHALL ONLY PROCEED AFTER ALL TREE PROTECTION FENCE AND PERIMETER EROSION AND SEDIMENT CONTROL MEASURES HAVE BEEN INSTALLED AND INSPECTED PER THE EROSION CONTROL PLAN. INSTALL ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES AS NECESSARY TO PREVENT EROSION LAIDEN RUNOFF FROM EXITING THE SITE.
 - ALL TRASH AND MISCELLANEOUS DEBRIS SHALL BE REMOVED FROM THE SITE AND DISPOSED OF IN A LEGAL MANNER.
 - ALL WORK SHALL BE IN ACCORDANCE WITH TOWN OF LILLINGTON AND HARNETT COUNTY STANDARDS.
 - OPEN BURNING OF TREES, LIMBS, STUMPS, AND CONSTRUCTION DEBRIS ASSOCIATED WITH THIS DEVELOPMENT IS PROHIBITED.
 - ALL EXISTING FIRE HYDRANTS TO REMAIN CLEAR AND OPERATIONAL DURING ALL PHASES OF CONSTRUCTION.
 - ALL PLAYGROUND EQUIPMENT WITHIN THE LIMITS OF DISTURBANCE SHALL BE REMOVED AND TURNED OVER TO THE OWNER PRIOR TO DEMOLITION.

LEGEND

———	NEW PROPERTY LINE	⊗	IRP - IRON PIPE FOUND
---	OLD LOT LINE	⊙	IRP - IRON ROD FOUND
----	LINE NOT SURVEYED	⊕	IRP - IRON ROD SET
-x-x-	FENCE	⊕	SANITARY MANHOLE
---	OVERHEAD POWER LINE	⊕	TELEPHONE PEDESTAL
---	PAINTED GAS LINE	⊕	CABLE TV PEDESTAL
---	PAINTED POWER LINE	⊕	SIGN
---	PAINTED TELEPHONE LINE	⊕	ELECTRIC METER
---	PAINTED WATER LINE	⊕	POWER POLE
---	PAINTED CABLE TV LINE	⊕	LIGHT POLE
---	UTILITY LINE	⊕	GAS TEST LOCATION
---	EASEMENT LINE	⊕	BOLLARD
---	RIGHT OF WAY LINE	⊕	MAILBOX
---	EDGE OF PAVEMENT	⊕	YARD LIGHT
---	GRAVEL ROAD	⊕	GUY
⊕	FLOOD PLAIN		

DEMOLITION LEGEND

○	REMOVE
— LOD —	LIMITS OF DISTURBANCE

Site Benchmark

Rebar and cap Flush w/Ground
 Elev. 317.74 (NC GRID NAD 83/2011)
 COORDINATES
 N = 597,719.73'
 E = 2,048,686.79'

...Becoming the
 Leading Designer of
 High Performance Facilities
 in the Nation with a
 Specialty in Alternative
 Delivery Methods

333 Fayetteville St, Ste 225
 Raleigh, NC 27601
 P 919-273-4390
 F 919-273-4395
 www.sfi+a.biz

NORTH CAROLINA
 PROFESSIONAL SEAL
 045802
 WILLIAM P. AINBORN

TIMMONS GROUP
 YOUR VISION ACHIEVED THROUGH OURS

THE SERVICES PROVIDED BY THE
 HARNETT OFFICE
 1410 Tracy Road, Suite 100
 Harnett, NC 27521
 Phone: 919-859-6463
 Fax: 919-859-6401
 www.timmonsgrp.com
 North Carolina License No. C-1552
 Member of the International Demolition Association
 12/07-10/11

Harnett County Schools
LILLINGTON-SHAWTOWN ELEMENTARY ADDITION
 855 Old US Highway 421
 Lillington, NC 27546

No.	Date	Description

ISSUE DATE: 07-26-24
 PROJECT #: 63407
 DRAWN BY: SC
 CHECKED BY: WA
 © 2024 Sfi.+a Architects, PA
 All Rights Reserved

EXISTING
 CONDITIONS &
 DEMOLITION PLAN

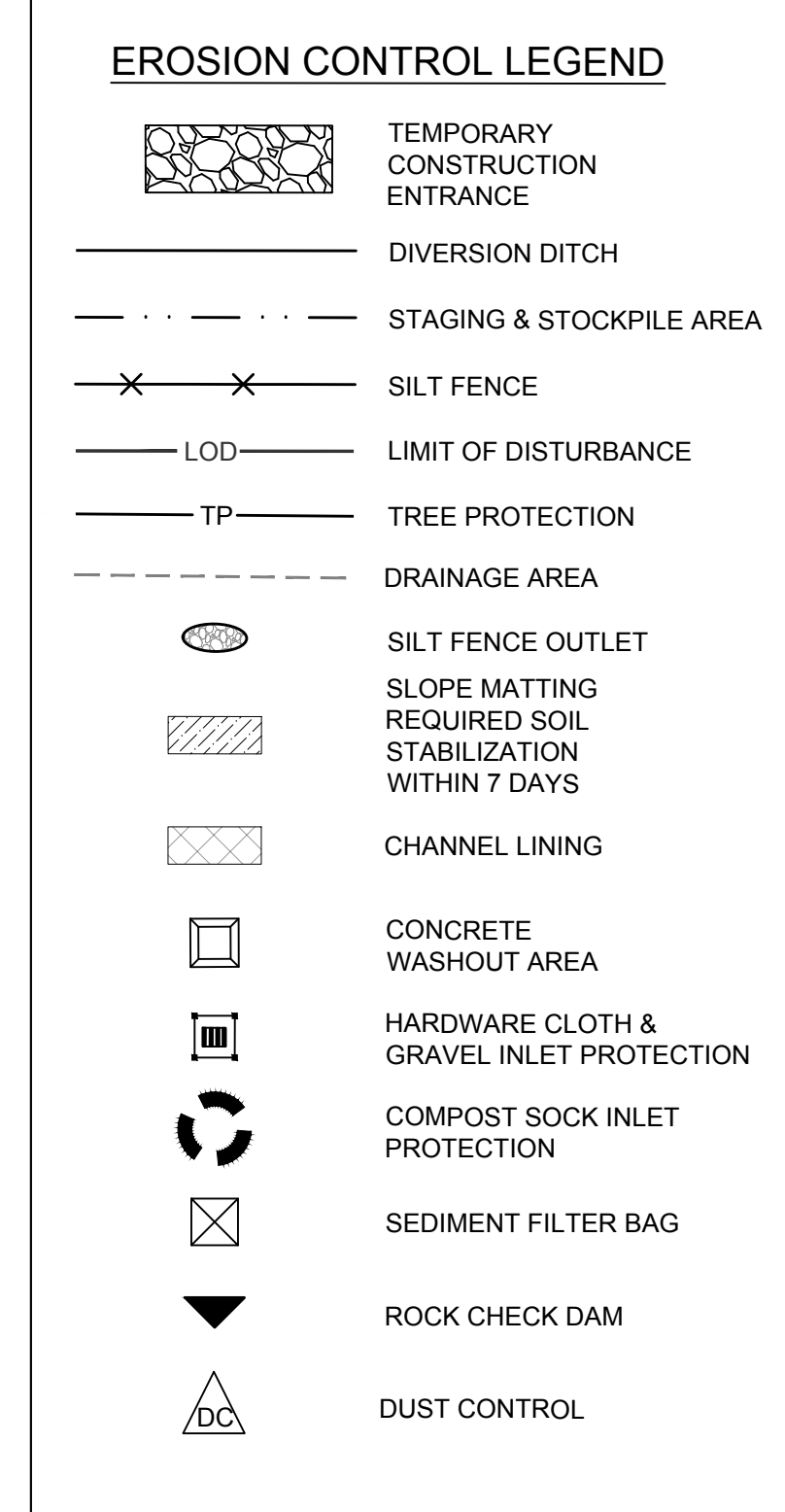
C1.0

ADA AND LEGAL DISCLAIMER: This document is intended to comply with the requirements of the Americans with Disabilities Act (ADA). However, architects and engineers are not licensed to interpret laws or give advice concerning laws. The owner should have this document reviewed by his attorney to determine if it complies with ADA and other laws.



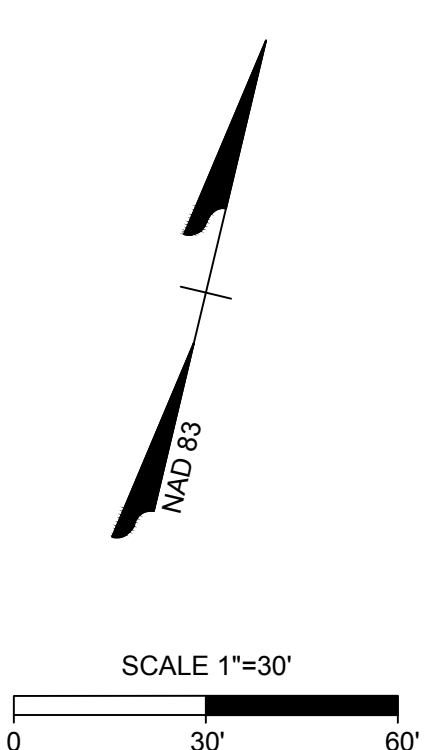
- GENERAL EROSION AND SEDIMENT CONTROL NOTES:**
- ALL CONSTRUCTION SHALL COMPLY WITH NCDEQ STANDARDS AND SPECIFICATIONS.
 - A COPY OF THE APPROVED EROSION CONTROL PLAN MUST BE ON FILE AT THE JOB SITE AT ALL TIMES.
 - FAILURE TO FOLLOW THE APPROVED PLAN SEQUENCE AND DETAILS COULD SUBJECT THE CONTRACTOR TO FINES AND PENALTIES ISSUED BY DEQ. FIELD VERIFY ALL DIMENSIONS AND GRADES ON THESE PLANS PRIOR TO CONSTRUCTION. FAILURE TO NOTIFY THE OWNER OF ANY DISCREPANCIES PRIOR TO PROCEEDING WITH PLAN OR GRADE CHANGES, MAY RESULT IN NO EXTRA COMPENSATION PAID TO THE CONTRACTOR FOR ANY WORK DONE DUE TO DIMENSIONS OR GRADES SHOWN INCORRECTLY.
 - EXCAVATION AND EARTH MOVING OPERATIONS SHALL BE CONDUCTED UNDER THE SUPERVISION OF THE GEOTECHNICAL ENGINEER.
 - VERIFY THE LOCATION OF ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION. EXISTING UTILITIES SHOWN ARE FROM THE BEST AVAILABLE RECORDS AND FROM A SURVEY OF ABOVE GROUND FEATURES. NO WARRANTY IS GIVEN OR IMPLIED AS TO THE ACCURACY OF THE INFORMATION. ALL EXISTING UTILITIES SHOULD BE CONSIDERED APPROXIMATE IN LOCATION AND VERIFIED PRIOR TO COMMENCING ACTIVITY ON SITE.
 - ALL ADJACENT ROADS TO THE SITE ARE TO BE SWEEPED AND WASHED AT THE END OF EACH WORK DAY TO ENSURE NO SEDIMENT COLLECTS ON THE ROADWAYS.
 - SILT FENCE OUTLETS ARE TO BE PROVIDED ALONG ALL LOW POINTS OF SILT FENCE AND AREAS WHERE RUNOFF MAY CONCENTRATE CAUSING DAMAGE TO SILT FENCE. CONTRACTOR TO INSTALL OUTLETS AS NECESSARY TO ENSURE SILT FENCE IS FULLY FUNCTIONAL THROUGHOUT THE DURATION OF CONSTRUCTION.
 - INSPECT AND PROPERLY MAINTAIN ALL EROSION AND SEDIMENT CONTROL MEASURES WEEKLY AND AFTER EVERY RAINFALL EVENT.
 - INSTALL ANY ADDITIONAL EROSION CONTROL MEASURES AS NECESSARY TO PREVENT SEDIMENT RUNOFF.
 - PROVIDE NCDEQ WITH THE LOCATION OF OFFSITE STOCKPILES USED TO STORE EXCAVATED SOIL FROM THE SITE. THE LOCATION OF OFFSITE STOCKPILES MUST BE AN UPLAND AREA. IF AN OFFSITE BORROW OR SPOIL SITE IS UTILIZED, THEN THE DISTURBED AREA FOR THE BORROW/SPOIL SITE MUST BE INCLUDED IN THE LAND DISTURBANCE PERMIT. THE CONTRACTOR WILL PROVIDE THE LOCATION OF ALL EXCAVATED SOILS USED FOR THIS PROJECT TO NCDEQ. THIS AREA MUST ALSO BE AN UPLAND AREA.
 - CONCRETE WASHOUT TO BE LOCATED A MINIMUM OF 50' FROM ANY DRAINAGE STRUCTURE.
 - THE EROSION CONTROL MEASURES INDICATED ON THE PLANS ARE THE MINIMUM REQUIREMENTS.
 - ADDITIONAL MEASURES MAY BE REQUIRED, AS DIRECTED BY THE ENGINEER, ENFORCEMENT OFFICER, OR OTHER GOVERNING AGENCY.
 - PRIOR TO PLACEMENT OF A DRAINAGE LAYER, THE SUBGRADE SHOULD BE PREPARED IN ACCORDANCE WITH THE RECOMMENDATIONS FOUND IN SECTION 5.1.2 PROOFROLLING OF THE GEOTECH REPORT.

- PHASE I EROSION CONTROL CONSTRUCTION SEQUENCE:**
- SCHEDULE A PRECONSTRUCTION CONFERENCE WITH THE TOWN OF LILLINGTON, NCDEQ, AND DESIGN TEAM, PROVIDING A 48 HOUR NOTIFICATION. OBTAIN A LAND-DISTURBING PERMIT.
 - INSTALL GRAVEL CONSTRUCTION ENTRANCE, SILT FENCE, AND/OR OTHER MEASURES AS SHOWN ON THE APPROVED PLAN. CLEAR ONLY AS NECESSARY TO INSTALL THESE DEVICES. SEED TEMPORARY DIVERSIONS AND BERMS IMMEDIATELY AFTER CONSTRUCTION.
 - BEGIN CLEARING AND GRUBBING. MAINTAIN DEVICES AS NEEDED. BEGIN ROUGH GRADING OF SITE.
 - PROCEED TO PHASE II AND MAINTAIN ALL INSTALLED EROSION CONTROL FEATURES AND ADJUST AS NEEDED.



LIMITS OF DISTURBANCE: +/- 1.99 AC

SITE BENCHMARK
 REBAR AND CAP FLUSH W/GROUND
 ELEV. 317.74 (NC GRID NAD 83/2011)
 COORDINATES:
 N = 597,719.73'
 E = 2,048,686.79'



...Becoming the
 Leading Designer of
 High Performance Facilities
 in the Nation with a
 Specialty in Alternative
 Delivery Methods

333 Fayetteville St., Ste 225
 Raleigh, NC 27601
 P: 919.273.4390
 F: 919.273.4395
 www.sfi+a.com

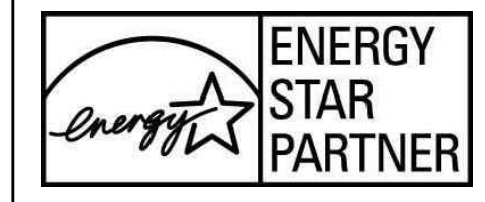
sfi+a
 ARCHITECTS

**NORTH CAROLINA
 PROFESSIONAL
 SEAL
 045892
 TIMMONS P. ALTHOFF
 ENGINEER**

TIMMONS GROUP
 YOUR VISION ACHIEVED THROUGH OURS.

THIS DRAWING PREPARED BY THE
 FIRM OFFICE:
 3410 Tracy Ave., Suite 110
 Raleigh, NC 27607
 Tel: 919.859.6403
 www.timmons.com
 North Carolina License No. C-1562
 No Endorsement/Expiration/Restrictions/Restrictions
 2020-2021

Harnett County Schools
LILLINGTON-SHAWTOWN ELEMENTARY ADDITION
 855 Old US Highway 421
 Lillington, NC 27546

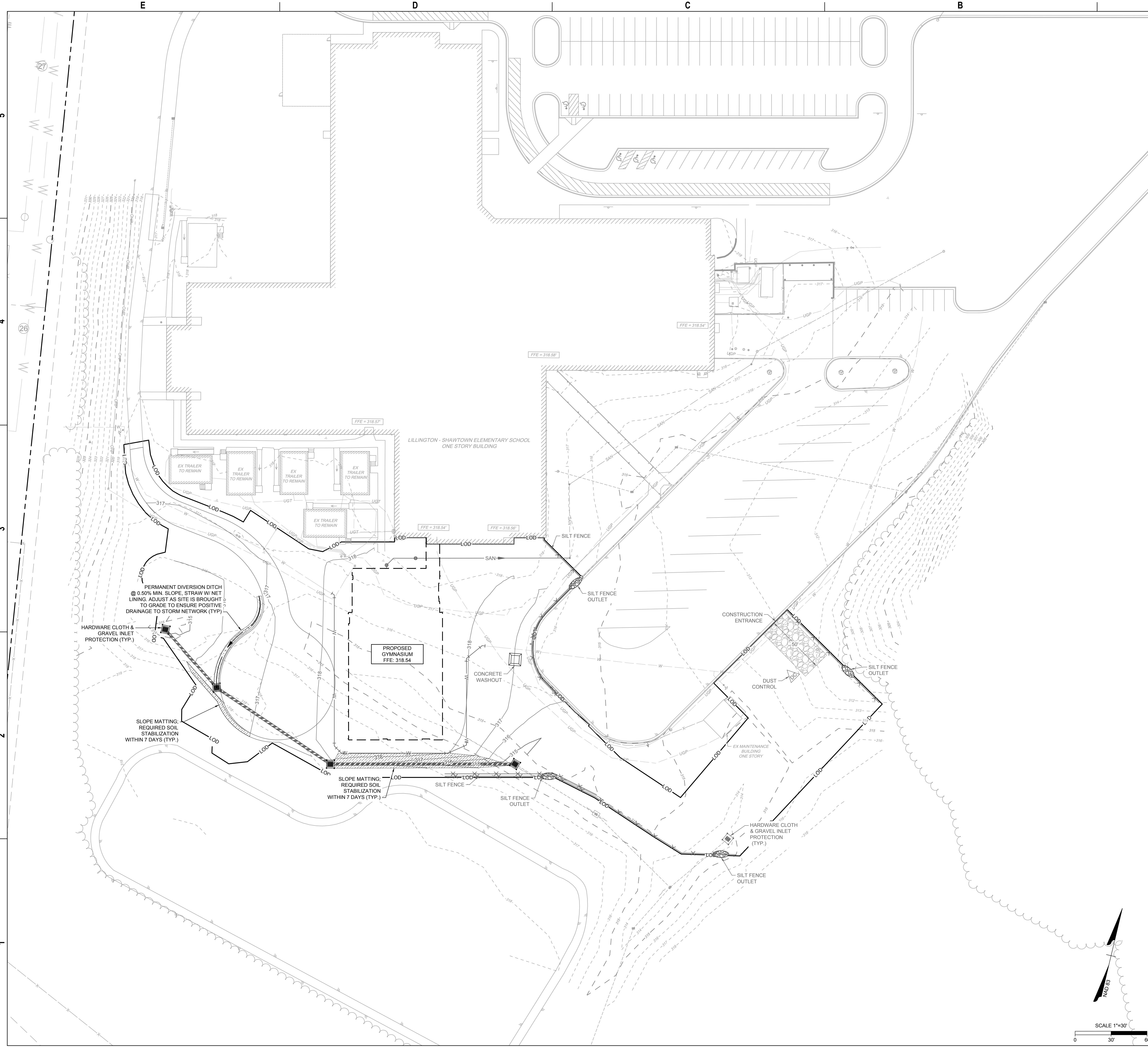


No.	Date	Description

ISSUE DATE: 07-26-24
 PROJECT #: 63407
 DRAWN BY: SC
 CHECKED BY: WA
 © 2024 Sfi.+a Architects, PA
 All Rights Reserved
PHASE I EROSION CONTROL PLAN

C2.0

ADA AND LEGAL DISCLAIMER: This document is intended to comply with the requirements of the Americans with Disabilities Act (ADA). However, architects and engineers are not licensed to interpret laws or give advice concerning laws. The owner should have this document reviewed by his attorney to determine if it complies with ADA and other laws.



- GENERAL EROSION AND SEDIMENT CONTROL NOTES:**
- ALL CONSTRUCTION SHALL COMPLY WITH NCEQ STANDARDS AND SPECIFICATIONS.
 - A COPY OF THE APPROVED EROSION CONTROL PLAN MUST BE ON FILE AT THE JOB SITE AT ALL TIMES.
 - FAILURE TO FOLLOW THE APPROVED PLAN SEQUENCE AND DETAILS COULD SUBJECT THE CONTRACTOR TO FINES AND PENALTIES ISSUED BY DEQ.
 - FIELD VERIFY ALL DIMENSIONS AND GRADES ON THESE PLANS PRIOR TO CONSTRUCTION. FAILURE TO NOTIFY THE OWNER OF ANY DISCREPANCIES PRIOR TO PROCEEDING WITH PLAN OR GRADE CHANGES, MAY RESULT IN NO EXTRA COMPENSATION PAID TO THE CONTRACTOR FOR ANY WORK DONE DUE TO DIMENSIONS OR GRADES SHOWN INCORRECTLY.
 - EXCAVATION AND EARTH MOVING OPERATIONS SHALL BE CONDUCTED UNDER THE SUPERVISION OF THE GEOTECHNICAL ENGINEER.
 - VERIFY THE LOCATION OF ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION. EXISTING UTILITIES SHOWN ARE FROM THE BEST AVAILABLE RECORDS AND FROM A SURVEY OF ABOVE GROUND FEATURES. NO WARRANTY IS GIVEN OR IMPLIED AS TO THE ACCURACY OF THE INFORMATION. ALL EXISTING UTILITIES SHOULD BE CONSIDERED APPROXIMATE IN LOCATION AND VERIFIED PRIOR TO COMMENCING ACTIVITY ON SITE.
 - ALL ADJACENT ROADS TO THE SITE ARE TO BE SWEEPED AND WASHED AT THE END OF EACH WORK DAY TO ENSURE NO SEDIMENT COLLECTS ON THE ROADWAYS.
 - SILT FENCE OUTLETS ARE TO BE PROVIDED ALONG ALL LOW POINTS OF SILT FENCE AND AREAS WHERE RUNOFF MAY CONCENTRATE CAUSING DAMAGE TO SILT FENCE. CONTRACTOR TO INSTALL OUTLETS AS NECESSARY TO ENSURE SILT FENCE IS FULLY FUNCTIONAL THROUGHOUT THE DURATION OF CONSTRUCTION.
 - INSPECT AND PROPERLY MAINTAIN ALL EROSION AND SEDIMENT CONTROL MEASURES WEEKLY AND AFTER EVERY RAINFALL EVENT.
 - INSTALL ANY ADDITIONAL EROSION CONTROL MEASURES AS NECESSARY TO PREVENT SEDIMENT RUNOFF.
 - PROVIDE NCEQ WITH THE LOCATION OF OFFSITE STOCKPILES USED TO STORE EXCAVATED SOIL FROM THE SITE. THE LOCATION OF OFFSITE STOCKPILES MUST BE AN UPLAND AREA. IF AN OFFSITE BORROW OR SPOIL SITE IS UTILIZED, THEN THE DISTURBED AREA FOR THE BORROW/SPOIL SITE MUST BE INCLUDED IN THE LAND DISTURBANCE PERMIT. THE CONTRACTOR WILL PROVIDE THE LOCATION OF ALL EXCAVATED SOILS USED FOR THIS PROJECT TO NCEQ. THIS AREA MUST ALSO BE AN UPLAND AREA.
 - CONCRETE WASHOUT TO BE LOCATED A MINIMUM OF 50' FROM ANY DRAINAGE STRUCTURE.
 - THE EROSION CONTROL MEASURES INDICATED ON THE PLANS ARE THE MINIMUM REQUIREMENTS.
 - ADDITIONAL MEASURES MAY BE REQUIRED, AS DIRECTED BY THE ENGINEER, ENFORCEMENT OFFICER, OR OTHER GOVERNING AGENCY.
 - PRIOR TO PLACEMENT OF A DRAINAGE LAYER, THE SUBGRADE SHOULD BE PREPARED IN ACCORDANCE WITH THE RECOMMENDATIONS FOUND IN SECTION 5.1.2 PROOFROLLING OF THE GEOTECH REPORT.

- PHASE II EROSION CONTROL CONSTRUCTION SEQUENCE:**
- MAINTAIN ALL EROSION AND SEDIMENT CONTROL MEASURES IN GOOD WORKING ORDER. SILT FENCE, INLET PROTECTION, AND OTHER SIMILAR MEASURES MUST BE CLEANED OUT BEFORE THEY ARE HALF FULL. CLOGGED STONE FILTERS MUST BE REFRESHED/REPLACED. SILT FENCE CANNOT HAVE HOLES OR TEARS.
 - BEGIN BRINGING SITE TO GRADE AND CONTINUE INSTALLATION OF THE STORM DRAINAGE SYSTEM. ALL OFFSITE IMPORT IS REQUIRED TO COME FROM A PERMITTED EROSION CONTROL SITE OR PERMITTED MINE. PIPE INLET PROTECTION SHALL BE UTILIZED AT THE END OF EACH WORK DAY TO ENSURE PIPE NETWORK IS NOT INUNDATED WITH SEDIMENT.
 - INSTALL SITE IMPROVEMENTS, WATER MAINS AND UTILITY SERVICES AS SHOWN ON THE APPROVED PLANS. ALL OPEN TRENCHES FOR UTILITY AND STORMWATER INSTALLATION SHALL BE PROTECTED FROM SEDIMENTATION BY PILING EXCAVATED MATERIAL ON THE UPHILL SIDE OF EXCAVATION.
 - INSTALL ADEQUATE EROSION AND SEDIMENT CONTROL MEASURES AND/OR INCREASE MAINTENANCE FREQUENCY WHERE APPROVED MEASURES FAIL TO PREVENT ACCELERATED EROSION, OFF-SITE SEDIMENTATION, OR REPETITIVE NON-COMPLIANCE ISSUES. ALL MEASURES MUST BE INSTALLED PER PLAN DETAIL. ENSURE CONSTRUCTION TRAFFIC IS LIMITED TO THE CONSTRUCTION ENTRANCES ONLY.
 - GROUND COVER SHALL BE PROVIDED AS FOLLOWS:
 - FOR ALL AREAS OF MODERATE AND/OR STEEP SLOPES, PROVIDE TEMPORARY GROUND COVER IF THE SLOPE HAS NOT BEEN DISTURBED FOR A PERIOD OF FOURTEEN (14) DAYS. SLOPES GREATER THAN 3:1 REQUIRE GROUND COVER IN SEVEN (7) DAYS.
 - PROVIDE GROUND COVER SUFFICIENT TO RESTRAIN EROSION ON ANY PORTION OF THE SITE UPON WHICH FURTHER AND-DISTURBING ACTIVITY IS NOT BEING UNDERTAKEN WITHIN FOURTEEN (14) CALENDAR DAYS OF TEMPORARILY OR PERMANENTLY SUSPENDING LAND DISTURBING ACTIVITY.
 - ESTABLISH PERMANENT GROUND COVER SUFFICIENT TO RESTRAIN EROSION WITHIN FOURTEEN (14) CALENDAR DAYS FOLLOWING COMPLETION OF CONSTRUCTION OR DEVELOPMENT AND/OR PRIOR TO FINAL INSPECTION.
 - MODIFICATIONS TO THE APPROVED AND PERMITTED PLANS SHALL BE APPROVED BY EROSION CONTROL INSPECTIONS PRIOR TO REMOVAL OR INSTALLATION. CONTACT THE EROSION CONTROL INSPECTOR TO OBTAIN SIGN-OFF ON THE PLANS. PROCEED TO PHASE III.

EROSION CONTROL LEGEND

	TEMPORARY CONSTRUCTION ENTRANCE
	DIVERSION DITCH
	STAGING & STOCKPILE AREA
	SILT FENCE
	LIMIT OF DISTURBANCE
	TREE PROTECTION
	DRAINAGE AREA
	SILT FENCE OUTLET
	SLOPE MATTING REQUIRED SOIL STABILIZATION WITHIN 7 DAYS
	CHANNEL LINING
	CONCRETE WASHOUT AREA
	HARDWARE CLOTH & GRAVEL INLET PROTECTION
	COMPOST SOCK INLET PROTECTION
	SEDIMENT FILTER BAG
	ROCK CHECK DAM
	DUST CONTROL

LIMITS OF DISTURBANCE: +/- 1.99 AC

SITE BENCHMARK
 REBAR AND CAP FLUSH W/GROUND
 ELEV. 317.74 (NG GRID NAD 83/2011)
 COORDINATES
 N = 597,719.73'
 E = 2,048,686.79'

...Becoming the Leading Designer of High Performance Facilities in the Nation with a Specialty in Alternative Delivery Methods

333 Fayetteville St., Ste 225
 Raleigh, NC 27601
 P: 919.273.4390
 F: 919.273.4395
 www.sfi+a.com

sfi+a
ARCHITECTS

NORTH CAROLINA SEAL 045892
 WILLIAM P. ALTHOFF
 ENGINEER

TIMMONS GROUP
 YOUR VISION ACHIEVED THROUGH OURS

THIS DRAWING PREPARED BY THE
 5410 Tarry Run, Suite 100
 Raleigh, NC 27607
 Fax: 919.889.6463
 www.timmons.com
 North Carolina License No. C-1582
 An Equal Opportunity Employer/Minority Contractor
 2020-03

Harnett County Schools
LILLINGTON-SHAWTOWN ELEMENTARY ADDITION
 855 Old US Highway 421
 Lillington, NC 27546

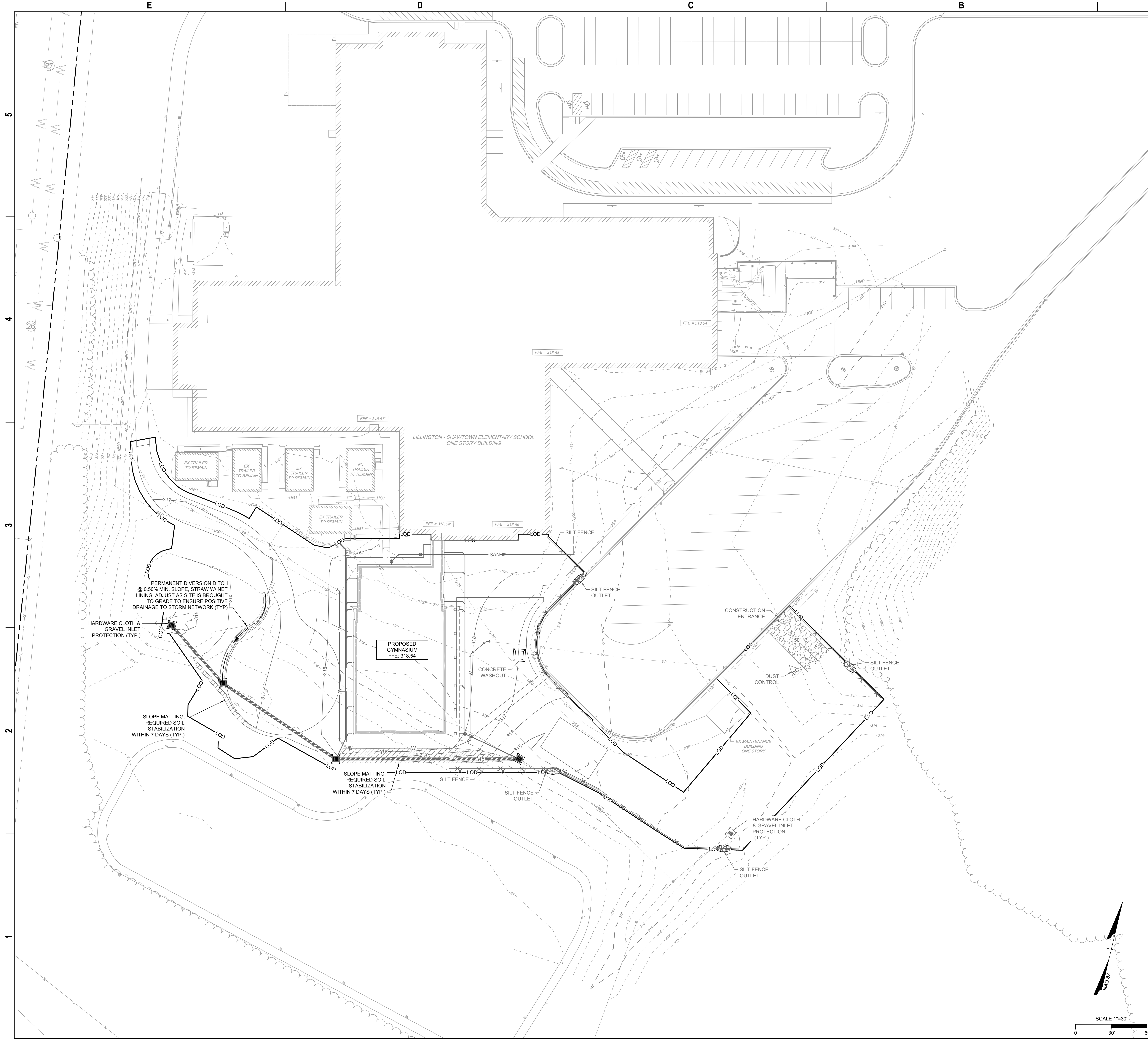
ENERGY STAR PARTNER

No.	Date	Description

ISSUE DATE: 07-26-24
 PROJECT #: 63407
 DRAWN BY: SC
 CHECKED BY: WA
 © 2024 Sfi+a Architects, PA
 All Rights Reserved
PHASE II EROSION CONTROL PLAN

C2.1

ADA AND LEGAL DISCLAIMER: This document is intended to comply with the requirements of the Americans with Disabilities Act (ADA). However, architects and engineers are not licensed to interpret laws or give advice concerning laws. The owner should have this document reviewed by his attorney to determine if it complies with ADA and other laws.

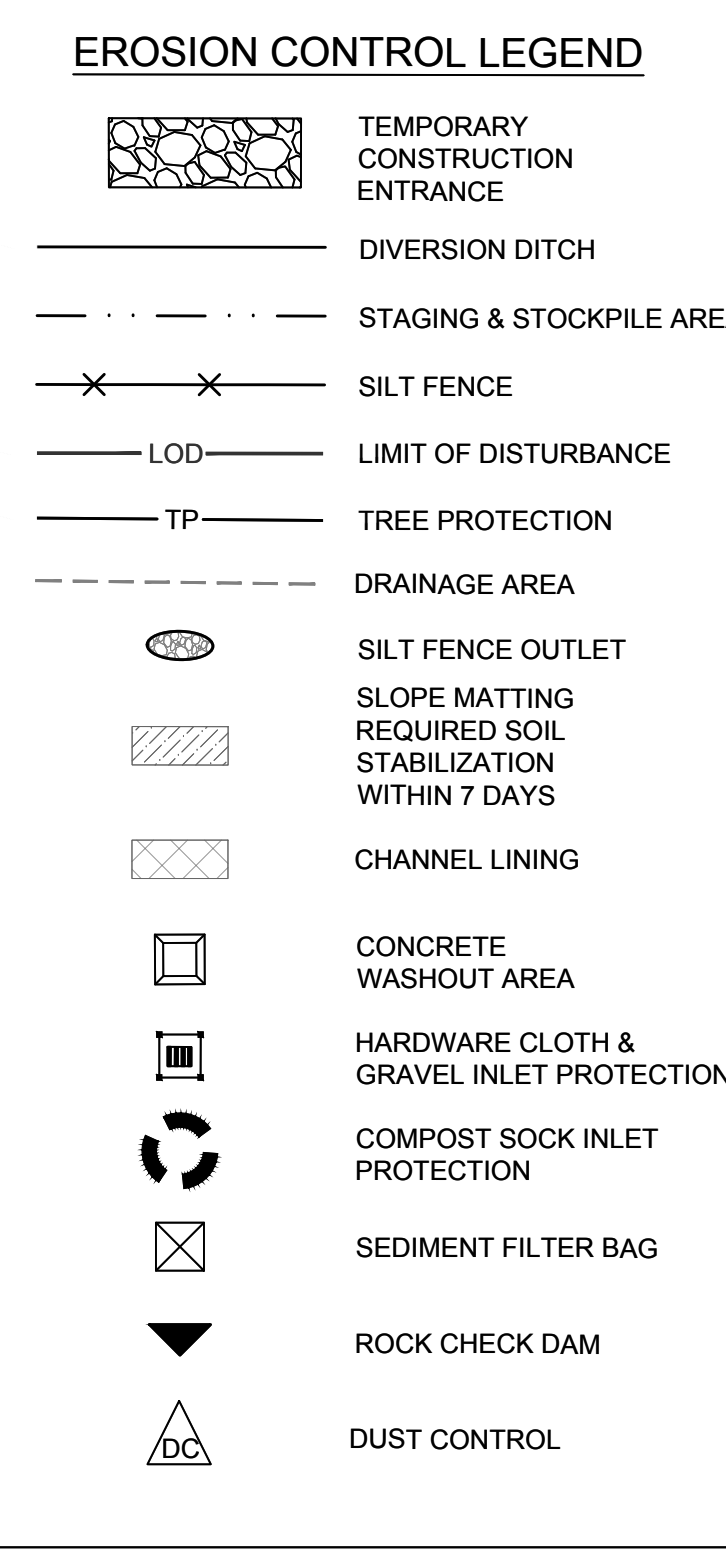


GENERAL EROSION AND SEDIMENT CONTROL NOTES:

- ALL CONSTRUCTION SHALL COMPLY WITH NCDEQ STANDARDS AND SPECIFICATIONS.
- A COPY OF THE APPROVED EROSION CONTROL PLAN MUST BE ON FILE AT THE JOB SITE AT ALL TIMES.
- FAILURE TO FOLLOW THE APPROVED PLAN SEQUENCE AND DETAILS COULD SUBJECT THE CONTRACTOR TO FINES AND PENALTIES ISSUED BY DEQ.
- FIELD VERIFY ALL DIMENSIONS AND GRADES ON THESE PLANS PRIOR TO CONSTRUCTION. FAILURE TO NOTIFY THE OWNER OF ANY DISCREPANCIES PRIOR TO PROCEEDING WITH PLAN OR GRADE CHANGES, MAY RESULT IN NO EXTRA COMPENSATION PAID TO THE CONTRACTOR FOR ANY WORK DONE DUE TO DIMENSIONS OR GRADES SHOWN INCORRECTLY.
- EXCAVATION AND EARTH MOVING OPERATIONS SHALL BE CONDUCTED UNDER THE SUPERVISION OF THE GEOTECHNICAL ENGINEER.
- VERIFY THE LOCATION OF ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION. EXISTING UTILITIES SHOWN ARE FROM THE BEST AVAILABLE RECORDS AND FROM A SURVEY OF ABOVE GROUND FEATURES. NO WARRANTY IS GIVEN OR IMPLIED AS TO THE ACCURACY OF THE INFORMATION. ALL EXISTING UTILITIES SHOULD BE CONSIDERED APPROXIMATE IN LOCATION AND VERIFIED PRIOR TO COMMENCING ACTIVITY ON SITE.
- ALL ADJACENT ROADS TO THE SITE ARE TO BE SWEEPED AND WASHED AT THE END OF EACH WORK DAY TO ENSURE NO SEDIMENT COLLECTS ON THE ROADWAYS.
- SILT FENCE OUTLETS ARE TO BE PROVIDED ALONG ALL LOW POINTS OF SILT FENCE AND AREAS WHERE RUNOFF MAY CONCENTRATE CAUSING DAMAGE TO SILT FENCE. CONTRACTOR TO INSTALL OUTLETS AS NECESSARY TO ENSURE SILT FENCE IS FULLY FUNCTIONAL THROUGHOUT THE DURATION OF CONSTRUCTION.
- INSPECT AND PROPERLY MAINTAIN ALL EROSION AND SEDIMENT CONTROL MEASURES WEEKLY AND AFTER EVERY RAINFALL EVENT.
- INSTALL ANY ADDITIONAL EROSION CONTROL MEASURES AS NECESSARY TO PREVENT SEDIMENT RUNOFF.
- PROVIDE NCDEQ WITH THE LOCATION OF OFFSITE STOCKPILES USED TO STORE EXCAVATED SOIL FROM THE SITE. THE LOCATION OF OFFSITE STOCKPILES MUST BE AN UPLAND AREA. IF AN OFFSITE BORROW OR SPOIL SITE IS UTILIZED, THEN THE DISTURBED AREA FOR THE BORROW/SPOIL SITE MUST BE INCLUDED IN THE LAND DISTURBANCE PERMIT. THE CONTRACTOR WILL PROVIDE THE LOCATION OF ALL EXCAVATED SOILS USED FOR THIS PROJECT TO NCDEQ. THIS AREA MUST ALSO BE AN UPLAND AREA.
- CONCRETE WASHOUT TO BE LOCATED A MINIMUM OF 50' FROM ANY DRAINAGE STRUCTURE.
- THE EROSION CONTROL MEASURES INDICATED ON THE PLANS ARE THE MINIMUM REQUIREMENTS.
- ADDITIONAL MEASURES MAY BE REQUIRED, AS DIRECTED BY THE ENGINEER, ENFORCEMENT OFFICER, OR OTHER GOVERNING AGENCY.
- PRIOR TO PLACEMENT OF A DRAINAGE LAYER, THE SUBGRADE SHOULD BE PREPARED IN ACCORDANCE WITH THE RECOMMENDATIONS FOUND IN SECTION 5.1.2 PROOFROLLING OF THE GEOTECH REPORT.

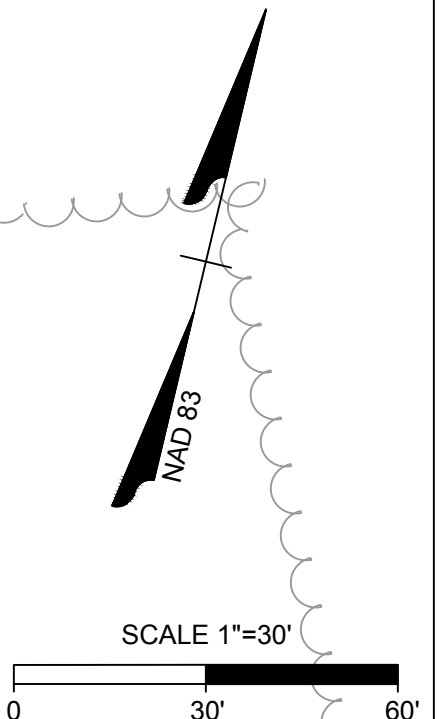
PHASE III EROSION CONTROL CONSTRUCTION SEQUENCE:

- MAINTAIN ALL EXISTING EROSION CONTROL FEATURES PREVIOUSLY CONSTRUCTED AND INSTALL ANY ASSOCIATED WITH PHASE II EROSION CONTROL.
- CONTINUE SITE IMPROVEMENT WORK.
- MODIFICATIONS TO THE APPROVED AND PERMITTED PLANS SHALL BE APPROVED BY EROSION CONTROL INSPECTIONS PRIOR TO REMOVAL OR INSTALLATION. CONTACT THE EROSION CONTROL INSPECTOR TO OBTAIN SIGN-OFF ON THE PLANS.
- MAINTAIN ALL EROSION AND SEDIMENT CONTROL MEASURES IN GOOD WORKING ORDER. SILT FENCE, INLET PROTECTION, AND OTHER SIMILAR MEASURES MUST BE CLEANED OUT BEFORE THEY ARE HALF FULL. CLOGGED STONE FILTERS MUST BE REFRESHED/REPLACED. SILT FENCE CAN NOT HAVE HOLES OR TEARS.
- ONCE SITE HAS BEEN STABILIZED, NOTIFY NCDEQ.



LIMITS OF DISTURBANCE: +/- 1.99 AC

SITE BENCHMARK
REBAR AND CAP FLUSH W/GROUND
ELEV: 317.74 (NC GRID NAD 83/2011)
COORDINATES
N = 597,719.73'
E = 2,048,888.79'



...Becoming the Leading Designer of High Performance Facilities in the Nation with a Specialty in Alternative Delivery Methods

333 Fayetteville St, Ste 225
Raleigh, NC 27601
P: 919.273.4390
F: 919.273.4395
www.sfi+a.biz

sfi+a
ARCHITECTS

TIMMONS GROUP
YOUR VISION ACHIEVED THROUGH OURS

THESE SERVICES PROVIDED BY THE MAJOR OFFICE:
5410 Troy Ave, Suite 100
Raleigh, NC 27612
Tel: 919.819.6400
Fax: 919.819.6403
www.timmons.com
North Carolina License No. C-1582
No. of Registered Professional Engineers: 12/07/2017

Harnett County Schools
LILLINGTON-SHAWTOWN ELEMENTARY ADDITION
855 Old US Highway 421
Lillington, NC 27546



No.	Date	Description

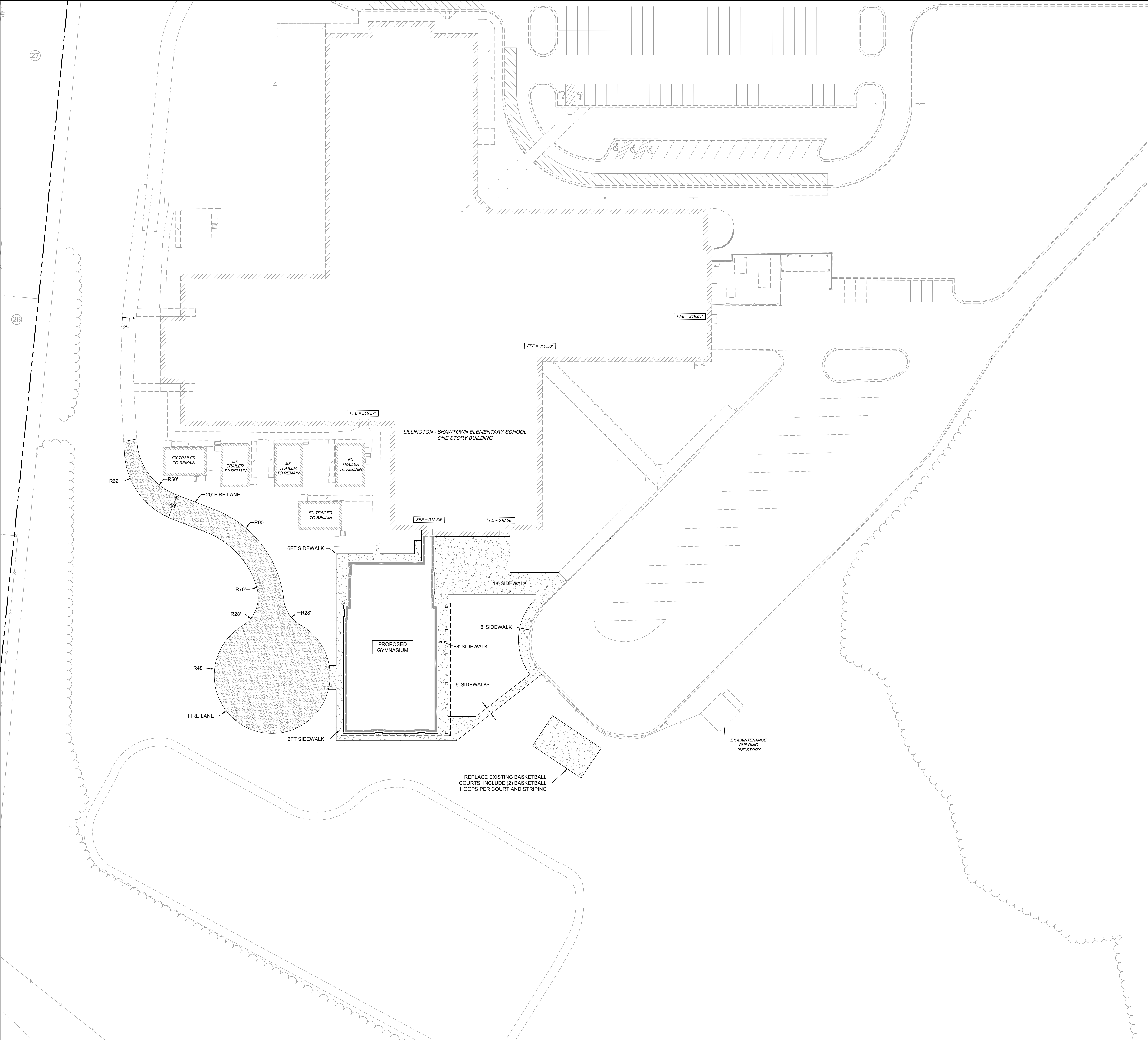
ISSUE DATE: 07-26-24
PROJECT #: 63407
DRAWN BY: SC
CHECKED BY: WA
© 2024 Sfi.+a Architects, PA
All Rights Reserved

PHASE III EROSION CONTROL PLAN

ADA AND LEGAL DISCLAIMER: This document is intended to comply with the requirements of the Americans with Disabilities Act (ADA). However, architects and engineers are not licensed to interpret laws or give advice concerning laws. The owner should have this document reviewed by his attorney to determine if it complies with ADA and other laws.

E D C B A

5
4
3
2
1



- SITE LAYOUT NOTES**
- ALL DRIVEWAYS MUST BE INSTALLED TO THE MINIMUM CITY OF LILLINGTON STANDARDS.
 - ALL PROPOSED BUILDINGS, VEHICULAR AREAS, PEDESTRIAN AREAS, SIGNAGE AND LANDSCAPING WILL MEET CITY ARCHITECTURAL AND SITE DESIGN REQUIREMENTS.
 - WHERE SIDEWALK IS PROPOSED AT THE BACK OF CURB SIDEWALK SHALL BE A MINIMUM OF 5' WIDE.
 - EXISTING DITCH BANKS ARE NOT TO BE DISTURBED AND IF EXISTING DITCH BANKS ARE DISTURBED, THEY SHALL BE REGARDED TO HAVE 3:1 OR FLATTER SIDE SLOPES AND THE CENTERLINE GRADED TO PRODUCE POSITIVE DRAINAGE.
 - FOR EROSION CONTROL REQUIREMENTS, REFER TO THE APPROVED PERMIT PLAN.
 - SLOPES 3:1 CAN BE SEEDED, SLOPES 2:1 SHALL BE SODDED, SLOPES 1:1 REQUIRE AN ENGINEERED DESIGN.
 - TURN AROUND MUST MEET NC FIRE CODE.

- SIGNAGE NOTES**
- STOP SIGNS - R1-1 HIGH INTENSITY PRISMATIC, 30" (36 INCHES) SHALL BE USED WHEN THE SIGN FACE MULTI-LANE APPROACHES. WHERE SIDE ROADS INTERSECT A MULTI-LANE STREET OR HIGHWAY THAT HAS A SPEED LIMIT OF 45 MPH OR HIGHER, THE MINIMUM SIZE OF THE STOP SIGNS FACING THE SIDE ROAD APPROACHES, EVEN IF THE SIDE ROAD ONLY HAS ON APPROACH LANE SHALL BE 36 X 36 INCHES. MOUNTING HEIGHT IS 7 FEET TO THE BOTTOM OF THE SIGN. U-CHANNEL POSTS SHOULD BE USES FOR MOUNTING.
 - ALL CROSSWALKS SHALL MEET THE TOWN OF LILLINGTON STANDARDS.
 - STOP/YIELD BARS SHALL BE A MINIMUM OF 4 FEET BEHIND THE CROSSWALK. WHEN USED ON MULTI-LANE HIGHWAYS OR MID-BLOCK CROSSWALKS THE STOP BAR SHOULD BE A MINIMUM OF 40 FEET PRIOR TO THE CROSSWALK. PLACE THE WORD STOP IN ADVANCE OF THE STOP BARS AT THE END OF PARKING ISLES.

HATCHING LEGEND

	CONCRETE SIDEWALK
	HIGH DENSITY ASPHALT

...Becoming the Leading Designer of High Performance Facilities in the Nation with a Specialty in Alternative Delivery Methods

333 Fayetteville St, Ste 225
Raleigh, NC 27601
P: 919-273-4399
F: 919-273-4395
www.sfi+a.biz

sfi+a
ARCHITECTS

PROFESSIONAL SEAL
045892
WILLIAM P. ALTHOFF
ENGINEER

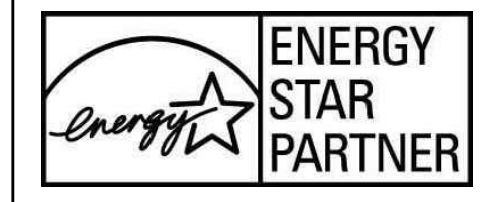
TIMMONS GROUP
YOUR VISION ACHIEVED THROUGH OURS

THESE SERVICES PROVIDED BY THE MAJOR OFFICE

5410 Treva Road, Suite 110
Raleigh, NC 27617
Tel: 919-876-1100
Fax: 919-876-0403
www.timmons.com

North Carolina License No. C-1552
Site Development/Residential/Industrial/Commercial
2007-2017

Harnett County Schools
LILLINGTON-SHAWTOWN ELEMENTARY ADDITION
855 Old US Highway 421
Lillington, NC 27546

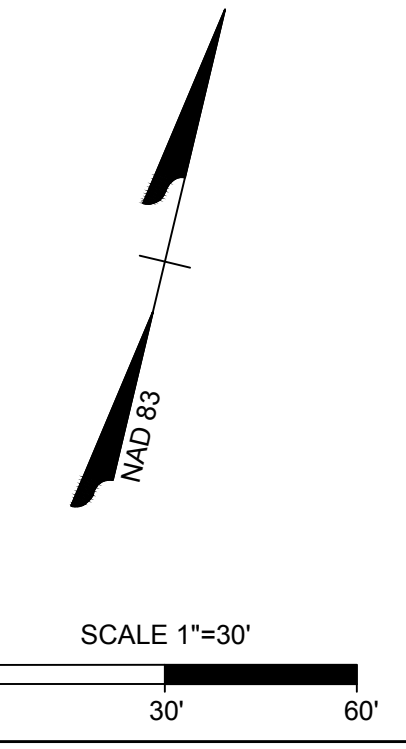


No.	Date	Description

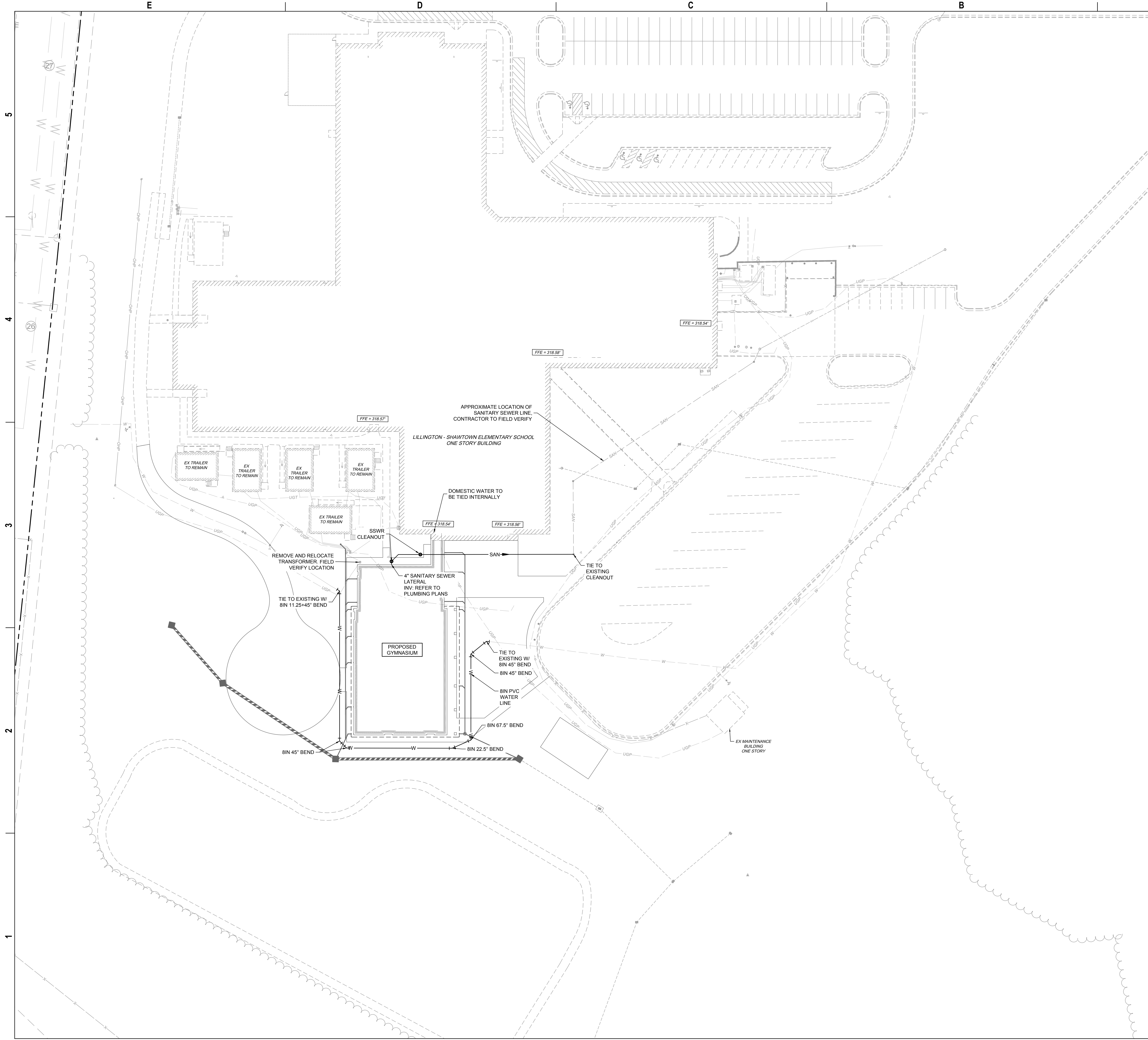
ISSUE DATE: 07-26-24
PROJECT #: 63407
DRAWN BY: SC
CHECKED BY: WA
© 2024 Sfi.+a Architects, PA
All Rights Reserved

SITE PLAN

C3.0



ADA AND LEGAL DISCLAIMER: This document is intended to comply with the requirements of the Americans with Disabilities Act (ADA). However, architects and engineers are not licensed to interpret laws or give advice concerning laws. The owner should have this document reviewed by his attorney to determine if it complies with ADA and other laws.



- #### UTILITY NOTES
- CONTRACTOR SHALL HAVE NORTH CAROLINA ONE CALL (811) LOCATE ALL EXISTING UTILITIES PRIOR TO BEGINNING CONSTRUCTION.
 - ALL UNDERGROUND FEATURES INDICATED ON THE PLANS SHOULD BE CONSIDERED APPROXIMATE IN LOCATION AND SHOULD BE VERIFIED IN THE FIELD PRIOR TO CONSTRUCTION. NOTIFY THE DESIGN ENGINEER IMMEDIATELY IF ANY CONFLICTS OR DISCREPANCIES ARE NOTED.
 - CONTRACTOR SHALL COORDINATE THE LOCATION OR RELOCATION OF ALL OVERHEAD AND UNDERGROUND COMMUNICATION LINES, ELECTRIC AND GAS SERVICE WITH THE APPROPRIATE UTILITY COMPANY AND/OR THE CITY PRIOR TO BEGINNING CONSTRUCTION. CONTRACTOR SHALL PROVIDE CONDUITS AS REQUIRED FOR THESE UTILITIES UNDER PAVED AREAS.
 - ALL ILLUSTRATED UTILITY INFRASTRUCTURE IS DIAGRAMMATIC AND MAY NOT REPRESENT THE ACTUAL SIZE OF INFRASTRUCTURE. NOTIFY THE DESIGN ENGINEER IMMEDIATELY IF ANY CONFLICTS OR DISCREPANCIES ARE NOTED.
 - ALL MATERIALS AND METHODS OF CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE TOWN OF LILLINGTON AND THE STATE OF NORTH CAROLINA STANDARDS AND SPECIFICATIONS.
 - CURB STOPS ARE REQUIRED AND SHALL BE LOCATED 1 FOOT FROM THE METER BOX. CURB STOPS SHALL BE INSTALLED IN A CURB STOP BOX AS MANUFACTURED BY FORD, A.Y. McDONALD, OR TRUMBULL.
 - SERVICE SADDLES SHALL BE ALL BRONZE WITH DOUBLE BRONZE STRAPS WITH A NEOPRENE "O" RING GASKET ATTACHED TO THE BODY.
 - ALL WATER METERS SHALL BE PROVIDED AND INSTALLED BY THE TOWN OF LILLINGTON UTILITIES DEPARTMENT METERS DIVISION.
 - METERS WILL BE THE SAME SIZE IN DIAMETER AS THE SERVICE.
 - A 3' CLEAR SPACE SHALL BE MAINTAINED AROUND ALL WATER METERS.
 - ALL 6" SANITARY SEWER SERVICES CONNECTIONS SHALL BE MADE INTO MANHOLES ONLY.
 - UTILITY TRENCHES SHALL BE CUT AND PAVEMENT REPAIRED TO THE TOWN OF LILLINGTON STANDARDS.
 - ALL DISTURBED HARDSCAPE AND LANDSCAPING (CONCRETE, ASPHALT, BRICK, TREES, SHRUBS, ETC) SHALL BE REPLACED ACCORDING TO THE TOWN OF LILLINGTON AND NC DOT STANDARDS AND SPECIFICATIONS.
 - BOUNDARY AND SURVEY INFORMATION IS TAKEN FROM A SURVEY BY TIMMONS GROUP.
 - ALL CLEANOUTS LOCATED IN PAVED AREAS ARE REQUIRED TO BE LOCATED IN A TRAFFIC LOAD BEARING MINI MANHOLE.
 - PER THE TOWN OF LILLINGTON UDO, ALL NEW UTILITY LINES (POWER, CABLE, ETC.) MUST BE UNDERGROUND.

...Becoming the
Leading Designer of
High Performance Facilities
in the Nation with a
Specialty in Alternative
Delivery Methods

333 Fayetteville St, Ste 225
Raleigh, NC 27601
P: 919-273-4399
F: 919-273-4395
www.sfi+a.biz

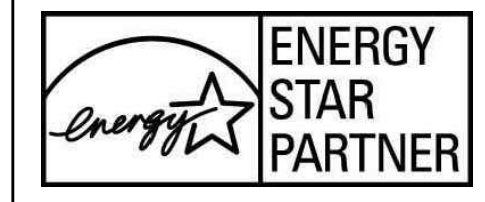
sfi+a
ARCHITECTS

NORTH CAROLINA
PROFESSIONAL
SEAL
045892
WILLIAM P. ALBERT

TIMMONS GROUP
YOUR VISION ACHIEVED THROUGH OURS

THIS SEALING IS LIMITED TO THE
MAJORS OFFICE
3410 Tracy Road, Suite 100
Raleigh, NC 27607
Phone: 919-273-4399
Fax: 919-273-4395
www.timmons.com
North Carolina License No. C-1552
Site Development/Residential/Commercial/Industrial
2020-037

Harnett County Schools
LILLINGTON-SHAWTOWN ELEMENTARY ADDITION
855 Old US Highway 421
Lillington, NC 27546



No.	Date	Description

ISSUE DATE: 07-26-24
PROJECT #: 63407
DRAWN BY: SC
CHECKED BY: WA
© 2024 Sfi.+a Architects, PA
All Rights Reserved

UTILITY PLAN

C3.1

ADA AND LEGAL DISCLAIMER: This document is intended to comply with the requirements of the Americans with Disabilities Act (ADA). However, architects and engineers are not licensed to interpret laws or give advice concerning laws. The owner should have this document reviewed by his attorney to determine if it complies with ADA and other laws.

E

D

C

B

A

5

4

3

2

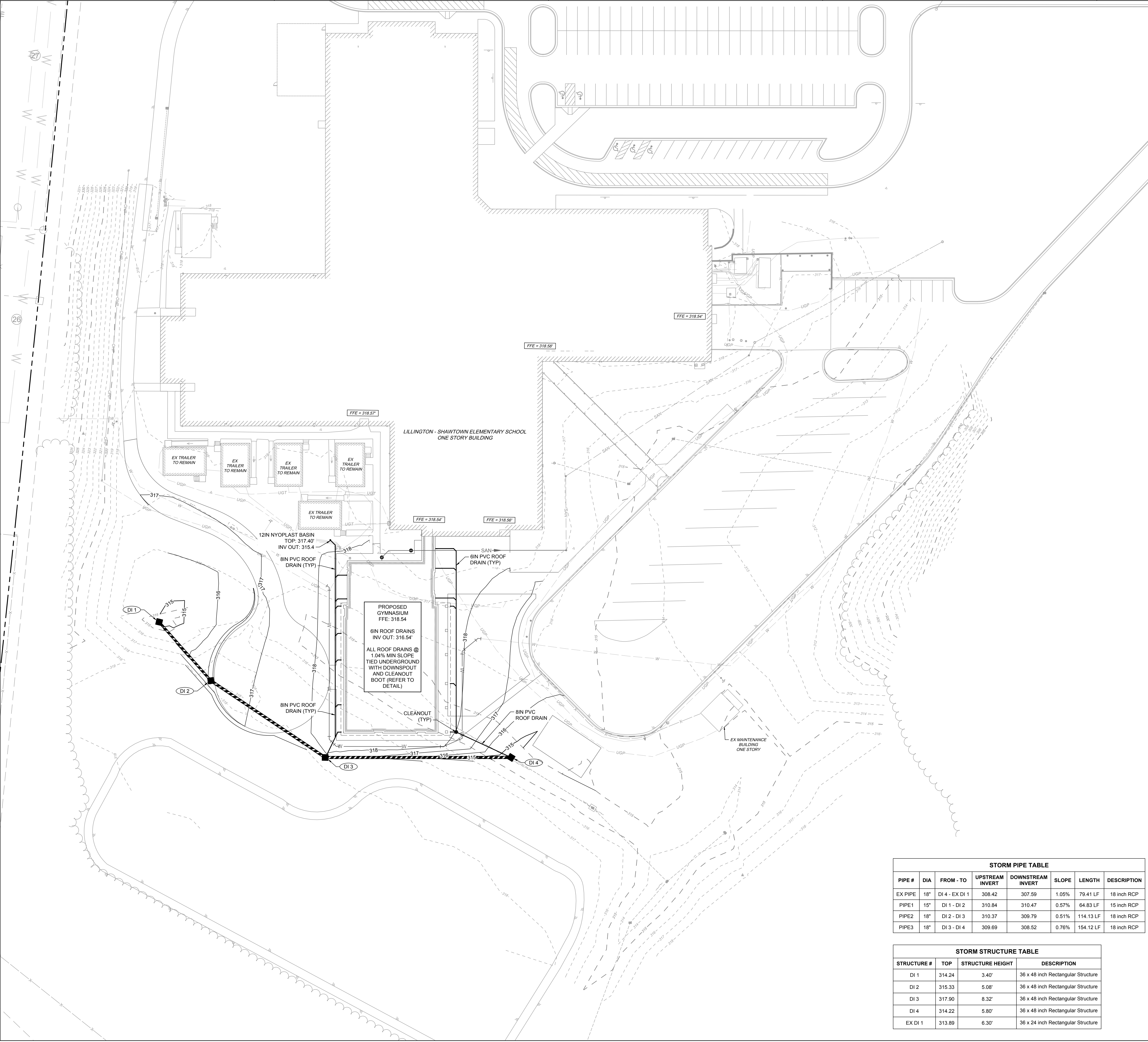
1

GRADING AND STORM DRAINAGE NOTES

- ALL DRAINAGE STRUCTURES SHALL CONFORM TO THE TOWN OF LILLINGTON STANDARD ROADWAY, SIDEWALK, CURB & GUTTER, & DRAINAGE PIPE SPECIFICATIONS.
- CONTRACTOR SHALL CALL "NORTH CAROLINA ONE CALL" (811) AT LEAST 3-12 BUSINESS DAYS PRIOR TO DIGGING TO HAVE EXISTING UTILITIES LOCATED. REPORT ANY DISCREPANCIES TO THE ENGINEER.
- CONTRACTOR TO COORDINATE ACTIVITIES WITH UTILITY COMPANIES INVOLVED IN ANY RELATED RELOCATION (I.E. POWER POLES, TELEPHONE PEDESTALS, WATER METERS, ETC.).
- EXISTING UTILITIES SHOWN ARE BASED ON FIELD SURVEYS AND THE BEST AVAILABLE RECORD DRAWINGS. THE CONTRACTOR SHALL VERIFY CONDITIONS PRIOR TO BEGINNING CONSTRUCTION. ANY DISCREPANCIES BETWEEN ACTUAL FIELD CONDITIONS AND THE PLANS SHALL BE REPORTED TO THE ENGINEER IMMEDIATELY.
- THE CATCH BASINS AND YARD INLETS SHALL BE CONSTRUCTED IN THE LOCATIONS SHOWN UNLESS OTHERWISE DIRECTED BY THE ENGINEER. THE CONTRACTOR IS RESPONSIBLE FOR REPORTING ANY DISCREPANCIES IN THE CATCH BASIN ELEVATIONS OR THE PROPOSED PIPE SLOPES TO THE ENGINEER. THE CONTRACTOR IS ALSO RESPONSIBLE TO REPORT ANY CONFLICTS BETWEEN ANY UTILITY, STORM DRAIN LINE, WATER LINE, SEWER LINE OR ANY OTHER PROPOSED OR EXISTING STRUCTURE TO THE ENGINEER.
- A LAND DISTURBING PERMIT WILL BE REQUIRED PRIOR TO THE COMMENCEMENT OF ANY LAND-DISTURBING ACTIVITIES.
- ALL EXISTING VAULTS, MANHOLES, STORM DRAIN STRUCTURES, VALVE BOXES, CLEANOUTS, ETC. SHALL BE ADJUSTED AS NEEDED TO MATCH FINISHED GRADE.
- ALL BACKFILL, COMPACTION, SOILS TESTING, ETC. SHALL BE PERFORMED BY THE OWNER'S INDEPENDENT TESTING LABORATORY.
- ALL SPOT ELEVATIONS INDICATED ARE AT TOP OF CURB UNLESS NOTED OTHERWISE. ALL ELEVATIONS ARE BASED ON VERTICAL DATUM NAVD88.
- A PRE-CONSTRUCTION MEETING MUST BE SCHEDULED PRIOR TO ANY WORK. GRADING OR INSTALLATION OF EROSION CONTROL MEASURES.
- ALL HANDICAP PARKING SPACES AND STRIPED ACCESSIBILITY AISLES ARE TO HAVE NO MORE THAN A 1:50 (2.0%) SLOPE IN ALL DIRECTIONS. ALL SIDEWALKS ARE TO HAVE NO MORE THAN A 1:20 (5.0%) SLOPE FOR THE LENGTH OF THE SIDEWALK AND NO MORE THAN A 1:50 (2.0%) SLOPE FOR THE WIDTH OF THE SIDEWALK.
- CONTRACTOR TO IDENTIFY ALL NECESSARY SPILL CURB SECTION LOCATIONS AND INSTALL TO ENSURE POSITIVE DRAINAGE TO STORM STRUCTURES.
- IF CONTRACTOR NOTICES ANY DISCREPANCIES IN ANY OF THESE SLOPE REQUIREMENTS, IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONTACT THE OWNER PRIOR TO POURING ANY CONCRETE SO THAT A SOLUTION CAN BE FOUND.
- SPOT ELEVATIONS ARE GIVEN AT THE MAJORITY OF THE MAJOR BREAK POINTS BUT IT SHOULD NOT BE ASSUMED THAT ALL NECESSARY SPOT ELEVATIONS ARE SHOWN. DUE TO SPACE LIMITATIONS, THERE MAY BE OTHER CRITICAL SPOTS NOT LABELED THAT SHOULD BE TAKEN INTO CONSIDERATION. THE CONTRACTOR SHALL REVIEW THE GRADING PLAN IN DETAIL AND SHALL ENSURE THAT ALL CRITICAL GRADE POINTS ARE STAKED AND FOLLOWED TO PROVIDE POSITIVE DRAINAGE.
- EXISTING VEGETATION WITHIN TREE PROTECTIVE AREAS SHALL REMAIN UNDISTURBED UNLESS NOTED OTHERWISE. ANY AND ALL LANDSCAPING AND EXISTING TREES AND SHRUBS TO REMAIN WHICH ARE DAMAGED DURING DEMOLITION OR CONSTRUCTION SHALL BE REPLACED BY THE CONTRACTOR USING A LICENSED LANDSCAPE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
- THE GRADING CONTRACTOR SHALL COMPLY WITH ALL STATE CODES IN OBSERVING EROSION CONTROL MEASURES BOTH ON AND OFF-SITE. THE GRADING CONTRACTOR SHALL MAINTAIN ALL EROSION CONTROL DEVICES AFTER EACH RAINFALL EVENT OR AS DIRECTED BY THE EROSION CONTROL INSPECTOR OR THE ENGINEER.
- THE GRADING CONTRACTOR SHALL BE RESPONSIBLE FOR OFF-SITE DISPOSAL OF ALL CLEARING AND GRADING WASTE MATERIALS GENERATED DURING CONSTRUCTION AND FOR OBTAINING ALL APPLICABLE PERMITS FOR OFF-SITE STOCKPILES AND/OR WASTE AREAS.
- ALL CATCH BASINS MUST BE MARKED "DUMP NO WASTE DRAINS TO STREAM" OR EQUIVALENT.

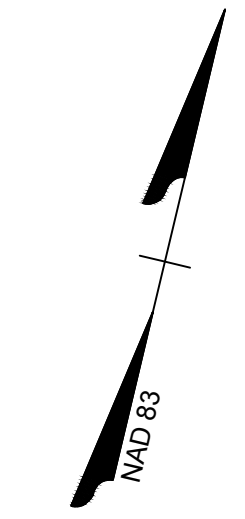
ROOF DRAIN AND DOWNSPOUT NOTES

- TIE ALL DOWNSPOUTS UNDERGROUND WITH BOOT AND CLEANOUT.
- ALL DOWNSPOUTS AND ROOF DRAINS SHALL BE 6" PVC PIPE @ 1.04% MIN SLOPE UNLESS OTHERWISE SPECIFIED.
- CLEANOUTS TO BE ADDED EVERY 100' ON ALL ROOF DRAINS.
- REFER TO PLUMBING PLANS. TIE ALL ROOF DRAINS, FLOOR DRAINS, AND DOWNSPOUTS TO CLOSEST OUTLET.



STORM PIPE TABLE							
PIPE #	DIA	FROM - TO	UPSTREAM INVERT	DOWNSTREAM INVERT	SLOPE	LENGTH	DESCRIPTION
EX PIPE	18"	DI 4 - EX DI 1	308.42	307.59	1.05%	79.41 LF	18 inch RCP
PIPE1	15"	DI 1 - DI 2	310.84	310.47	0.57%	64.83 LF	15 inch RCP
PIPE2	18"	DI 2 - DI 3	310.37	309.79	0.51%	114.13 LF	18 inch RCP
PIPE3	18"	DI 3 - DI 4	309.69	308.52	0.76%	154.12 LF	18 inch RCP

STORM STRUCTURE TABLE			
STRUCTURE #	TOP	STRUCTURE HEIGHT	DESCRIPTION
DI 1	314.24	3.40'	36 x 48 inch Rectangular Structure
DI 2	315.33	5.08'	36 x 48 inch Rectangular Structure
DI 3	317.90	8.32'	36 x 48 inch Rectangular Structure
DI 4	314.22	5.80'	36 x 48 inch Rectangular Structure
EX DI 1	313.89	6.30'	36 x 24 inch Rectangular Structure

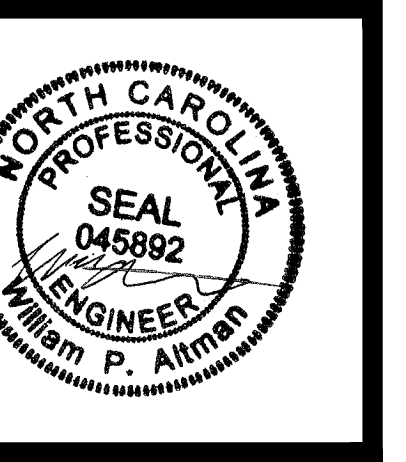


SCALE 1"=30'
0 30' 60'

...Becoming the Leading Designer of High Performance Facilities in the Nation with a Specialty in Alternative Delivery Methods

333 Fayetteville St, Ste 225
Raleigh, NC 27601
P: 919.273.4399
F: 919.273.4395
www.sfi+a.biz

sfi+a
ARCHITECTS



TIMMONS GROUP
YOUR VISION ACHIEVED THROUGH OURS

THESE SERVICES PROVIDED BY THE MAJOR OFFICE:

5410 Treva Road, Suite 100
Raleigh, NC 27617
Phone: 919.273.4399
Fax: 919.899.6463
www.timmons.com

North Carolina License No. C-1562
No. of Registered Professionals: 10
2020-22

Harnett County Schools
LILLINGTON-SHAWTOWN ELEMENTARY ADDITION
855 Old US Highway 421
Lillington, NC 27546



No.	Date	Description

ISSUE DATE: 07-26-24
PROJECT #: 63407
DRAWN BY: SC
CHECKED BY: WA
© 2024 Sfi.+a Architects, PA
All Rights Reserved

GRADING PLAN

C4.0

ADA AND LEGAL DISCLAIMER: This document is intended to comply with the requirements of the Americans with Disabilities Act (ADA). However, architects and engineers are not licensed to interpret laws or give advice concerning laws. The owner should have this document reviewed by his attorney to determine if it complies with ADA and other laws.

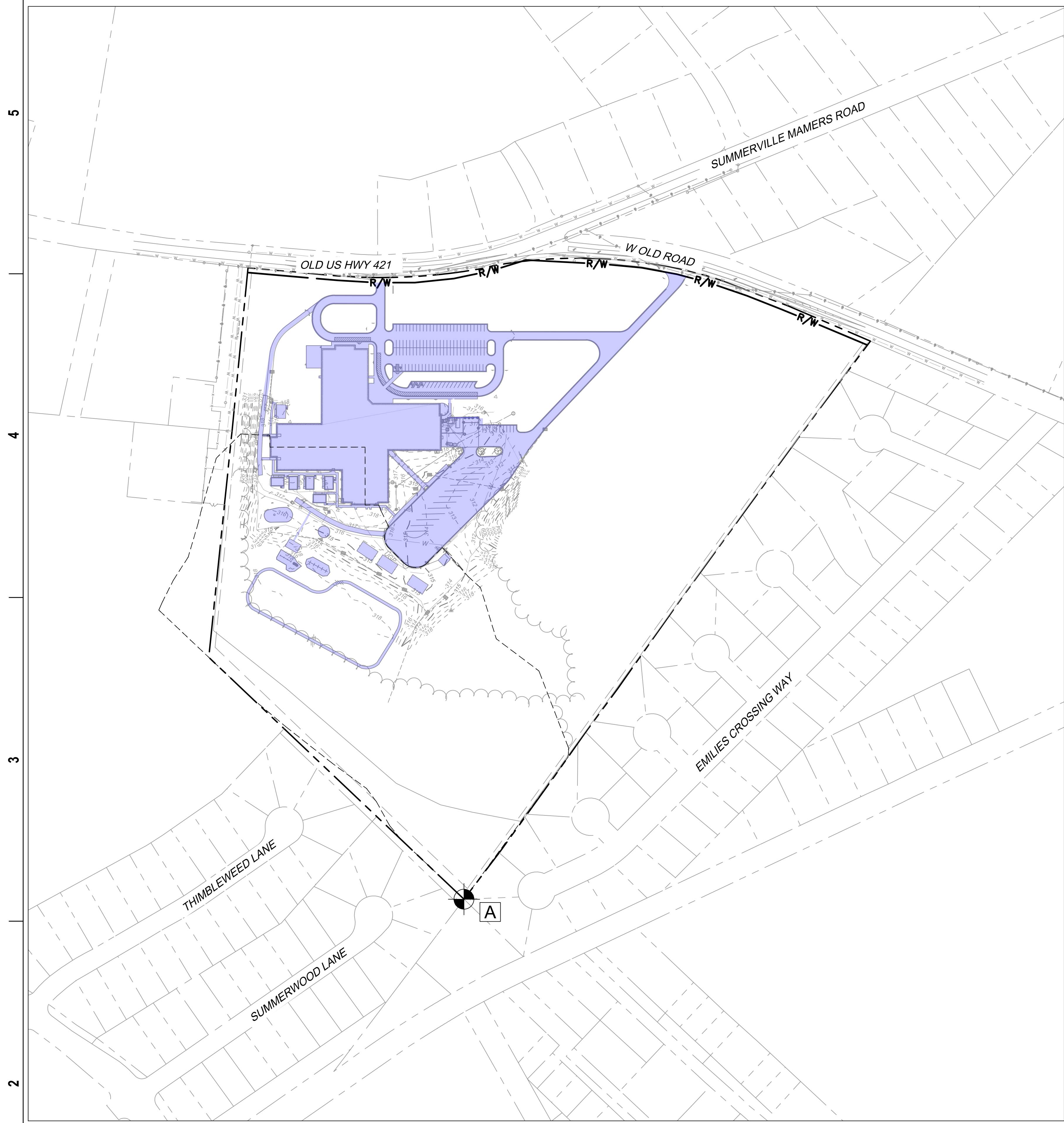
E

D

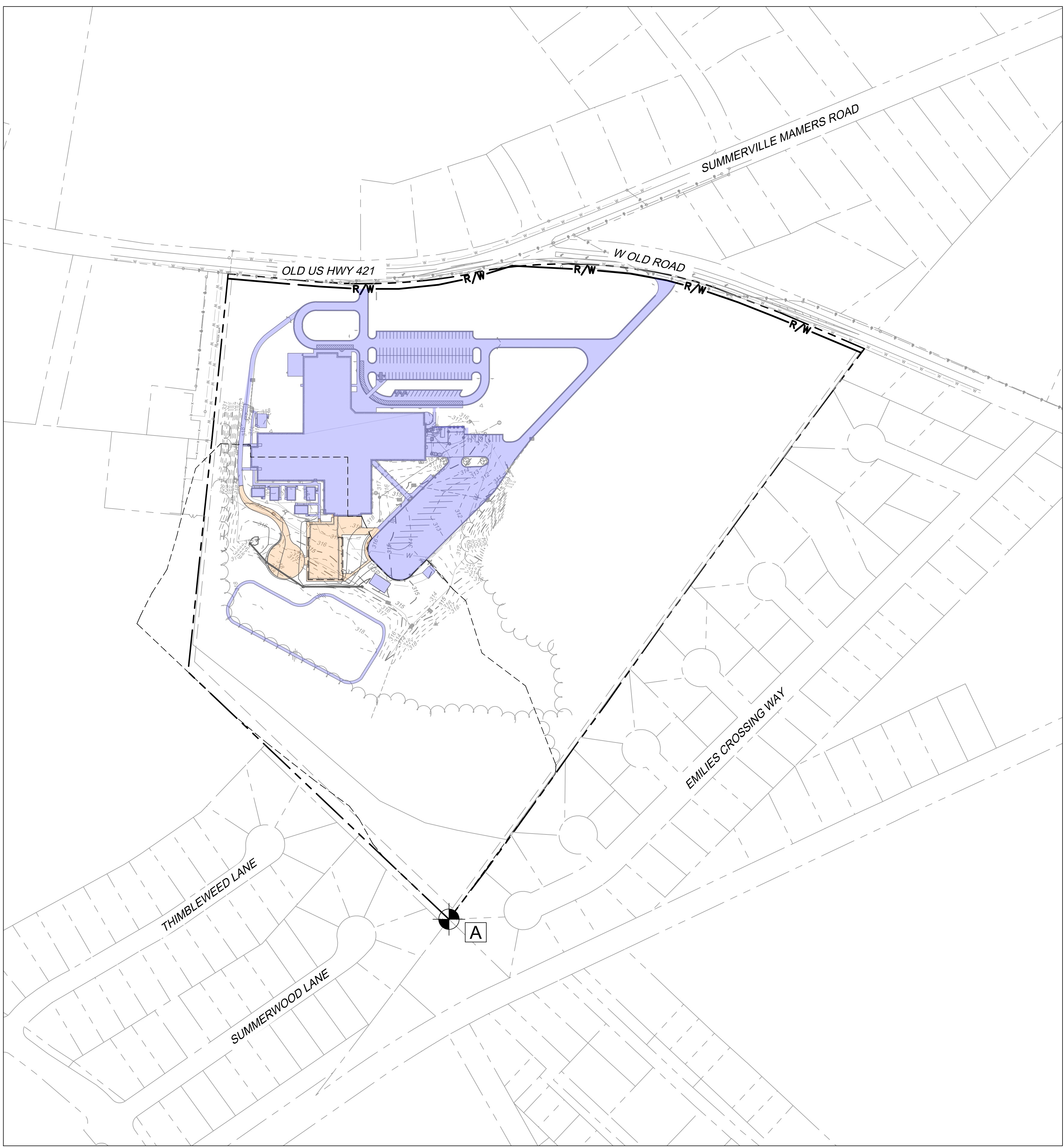
C

B

A



PRE-DEVELOPED SITE



POST-DEVELOPED SITE

STORMWATER QUANTITY CALCULATIONS:

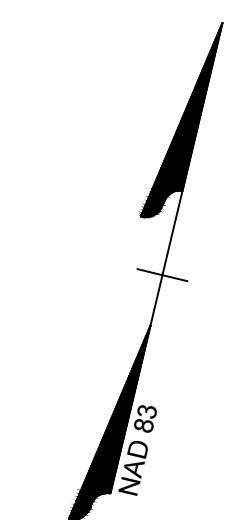
ANALYSIS POINT	DRAINAGE AREA (Acres)	(CN)	Q1	Q2	Q10	Q100
PRE-DEVELOPMENT (A)	4.13	64	1.880	3.595	9.461	21.01
POST-DEVELOPMENT (A)	4.13	65	2.122	3.901	9.908	21.64

STORMWATER QUALITY CALCULATIONS

PRE DEVELOPMENT IMPERVIOUS SURFACES = 7.10 ACRES
 POST DEVELOPMENT IMPERVIOUS SURFACE = 7.43 ACRES
 EXISTING IMPERVIOUS SURFACE = 6.72 ACRES
 PROPOSED IMPERVIOUS SURFACE = 0.71 ACRES
 DEMOLISHED IMPERVIOUS SURFACES = 0.38 ACRES
 INCREASE IN TOTAL IMPERVIOUS SURFACE = 0.33 ACRES; +4.65%

LEGEND

- EXISTING IMPERVIOUS
- PROPOSED IMPERVIOUS
- DRAINAGE AREA

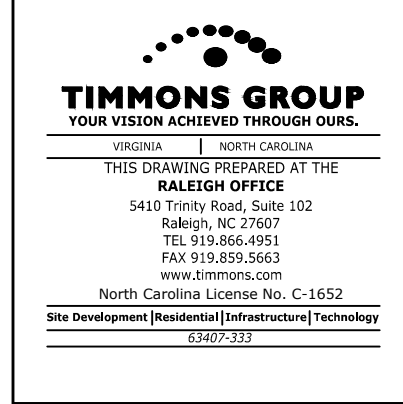
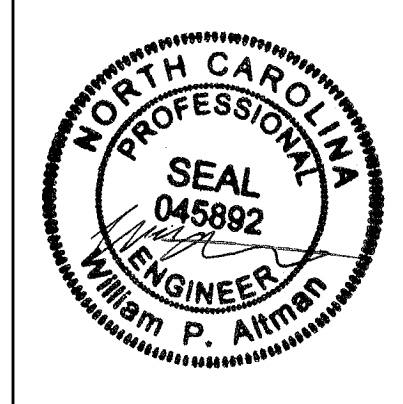


SCALE 1"=100'
 0 100' 200'

...Becoming the
 Leading Designer of
 High Performance Facilities
 in the Nation with a
 Specialty in Alternative
 Delivery Methods

333 Fayetteville St, Ste 225
 Raleigh, NC 27601
 P: 919-273-4399
 F: 919-273-4395
 www.sfi+a.com

sfi+a
 ARCHITECTS



Harnett County Schools
LILLINGTON-SHAWTOWN ELEMENTARY ADDITION
 855 Old US Highway 421
 Lillington, NC 27546



No.	Date	Description

ISSUE DATE: 07-26-24
 PROJECT #: 63407
 DRAWN BY: SC
 CHECKED BY: WA
 © 2024 Sfi+a Architects, PA
 All Rights Reserved

**STORMWATER
 MANAGEMENT
 PLAN**

C4.1

ADA AND LEGAL DISCLAIMER: This document is intended to comply with the requirements of the Americans with Disabilities Act (ADA). However, architects and engineers are not licensed to interpret laws or give advice concerning laws. The owner should have this document reviewed by his attorney to determine if it complies with ADA and other laws.

E

D

C

B

A

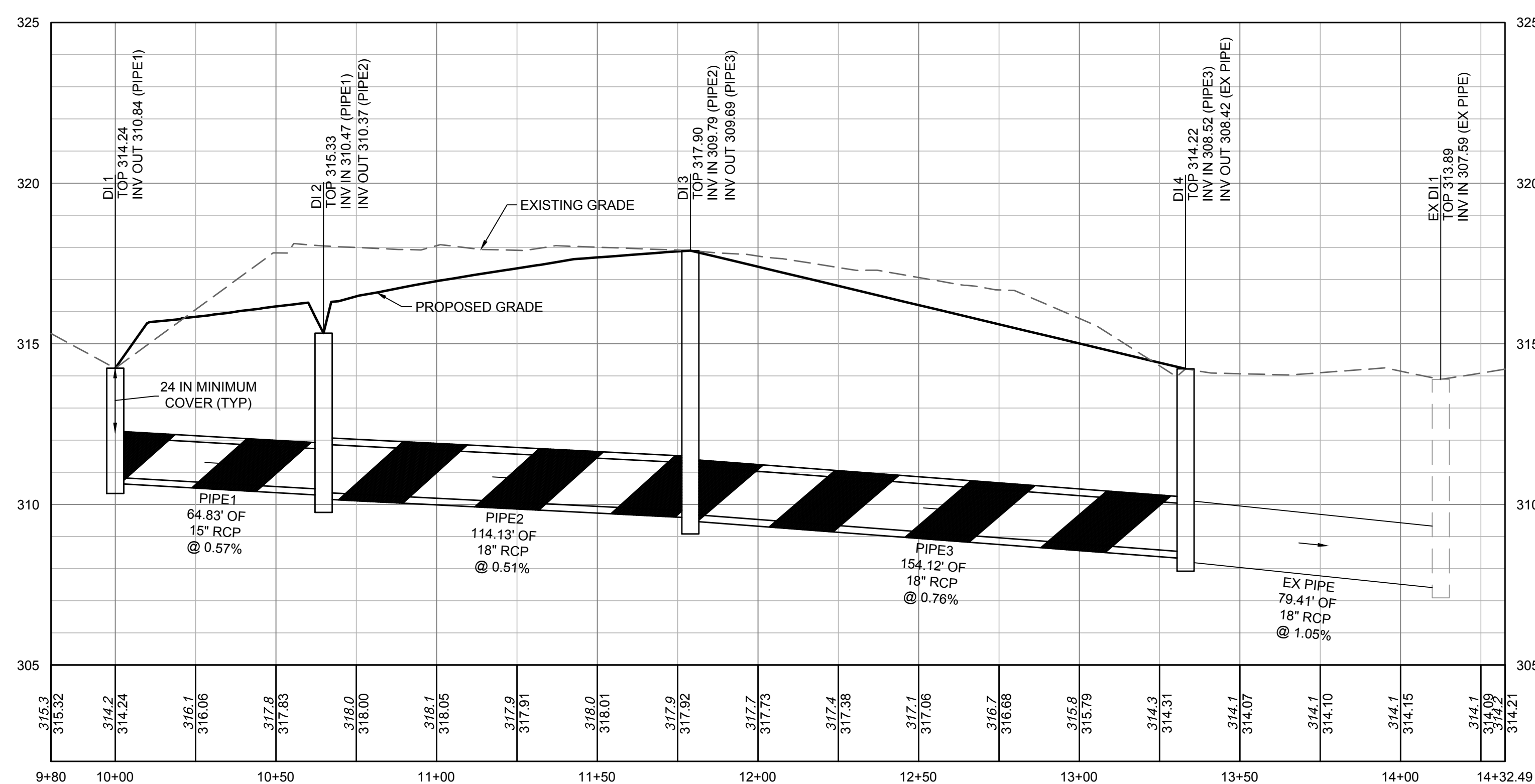
5

4

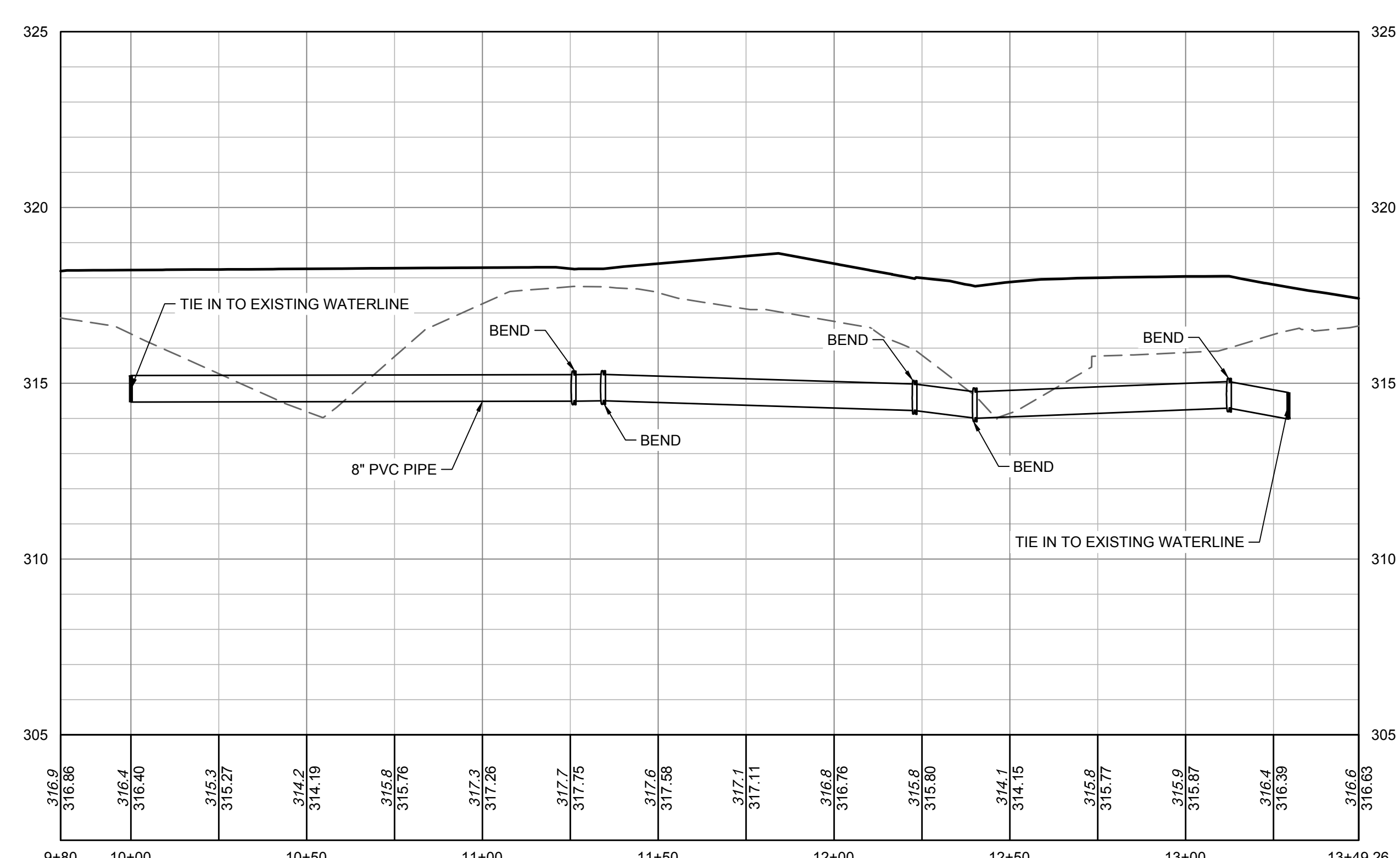
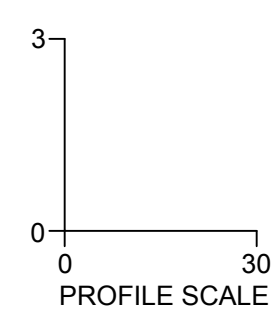
3

2

1



DI 1 - EX DI 1



WATER PROFILE



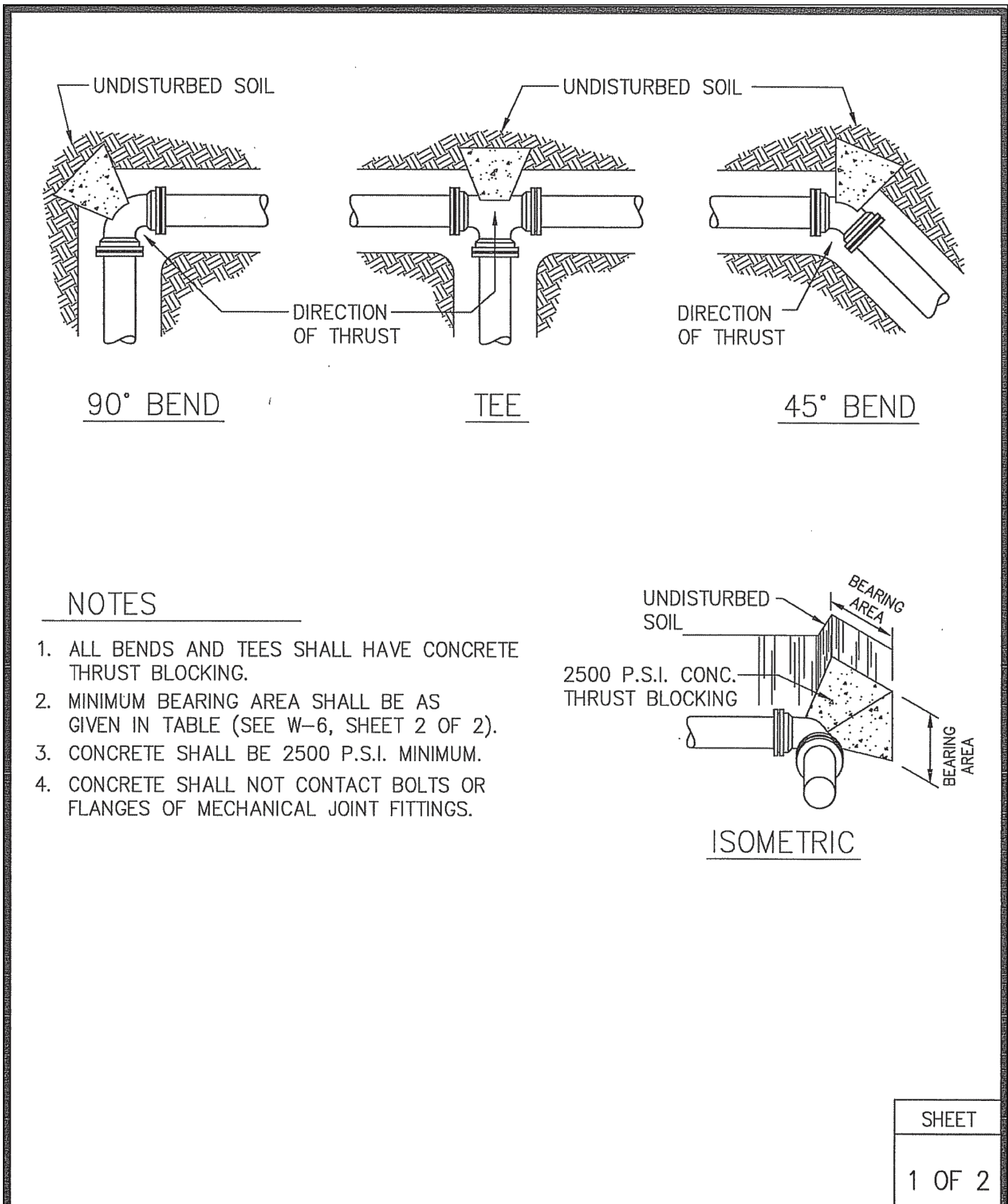
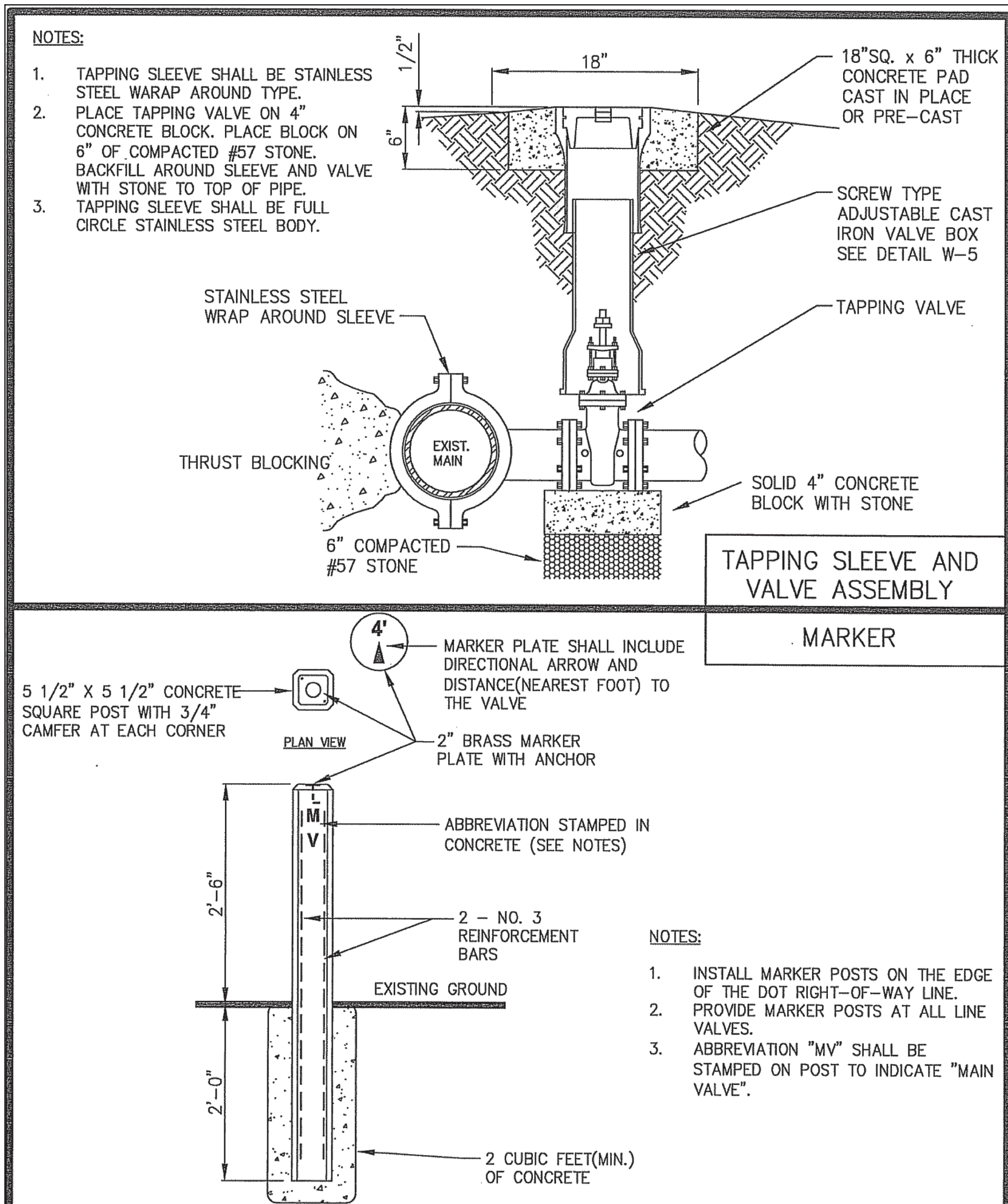
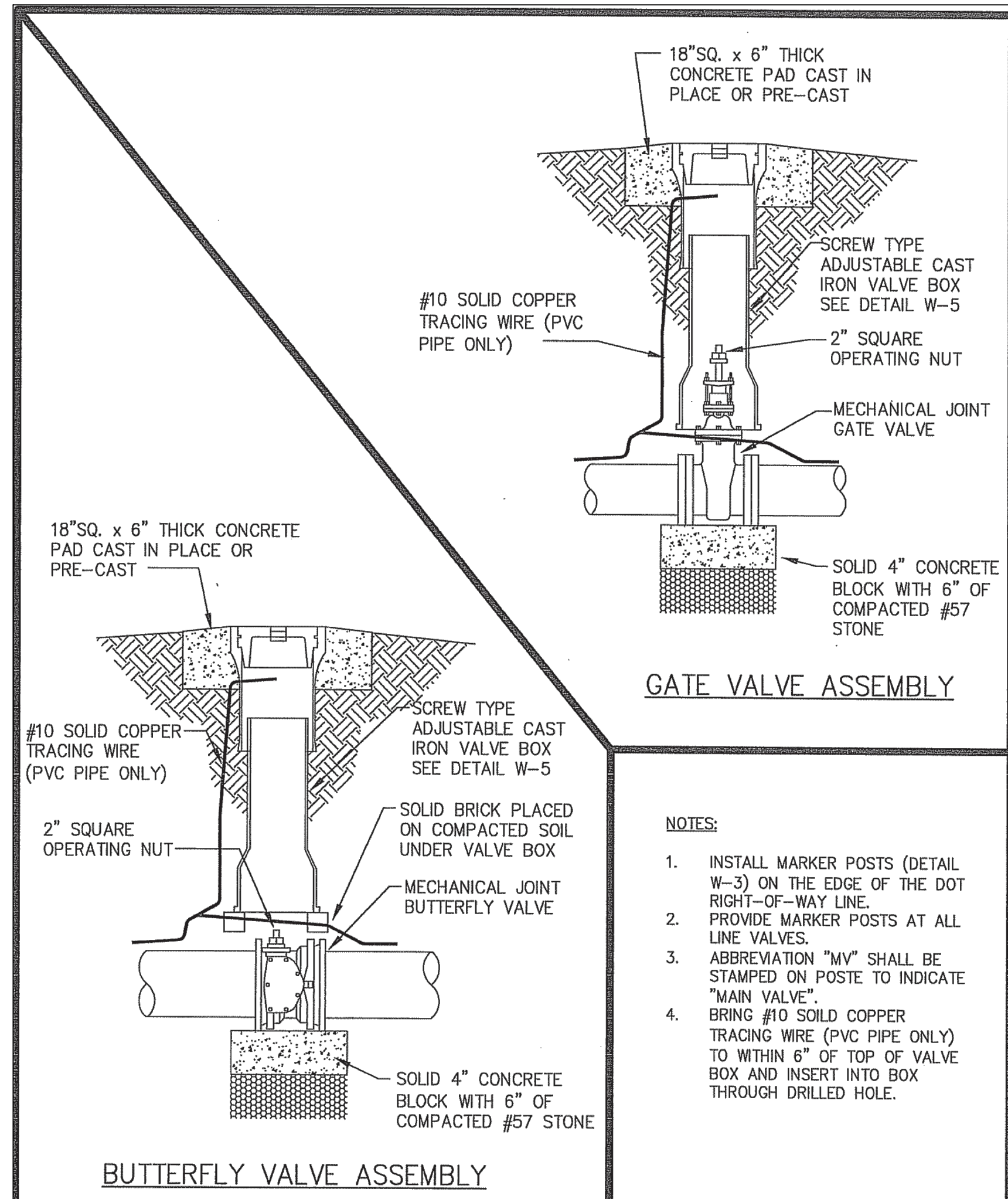
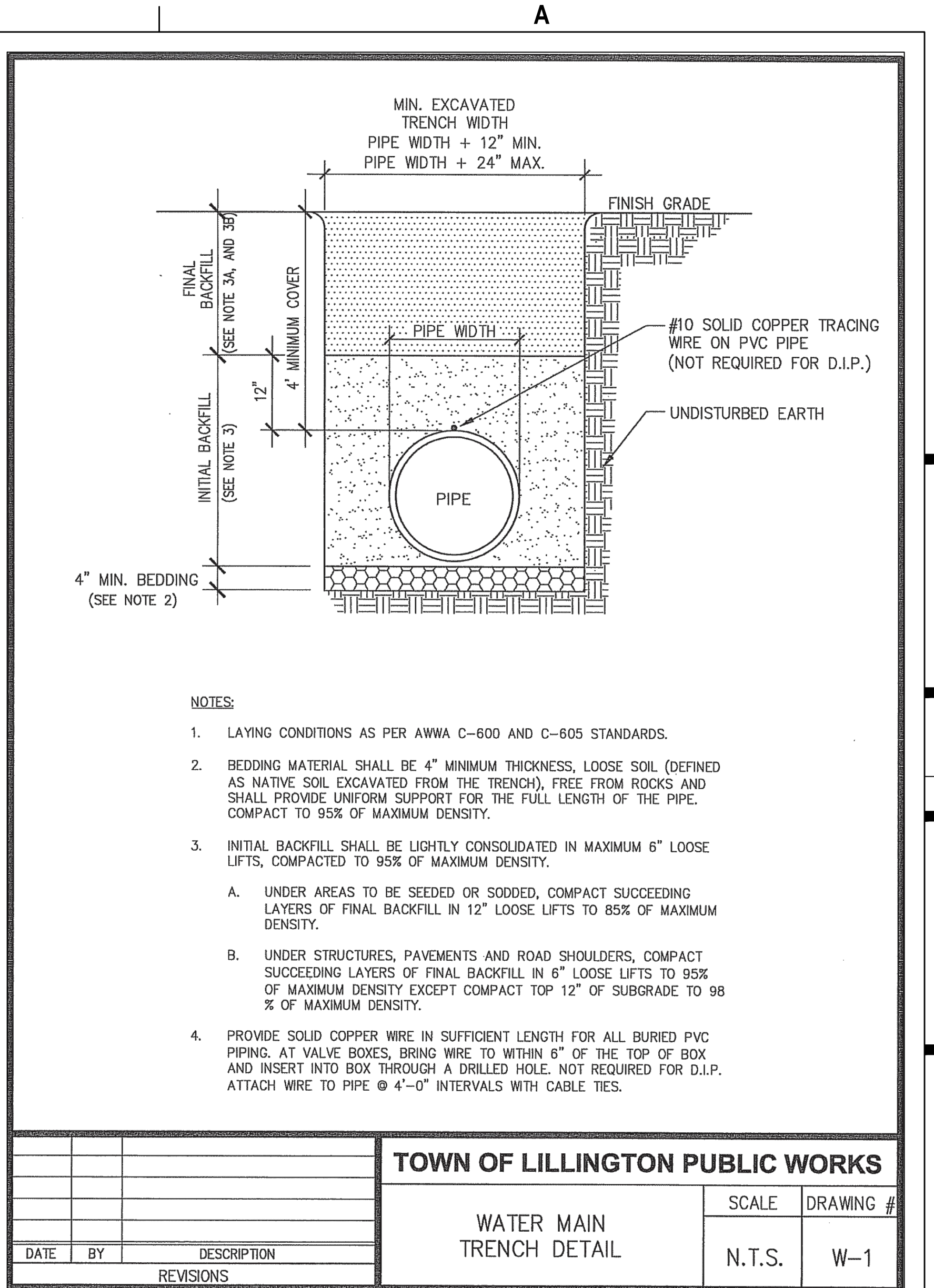
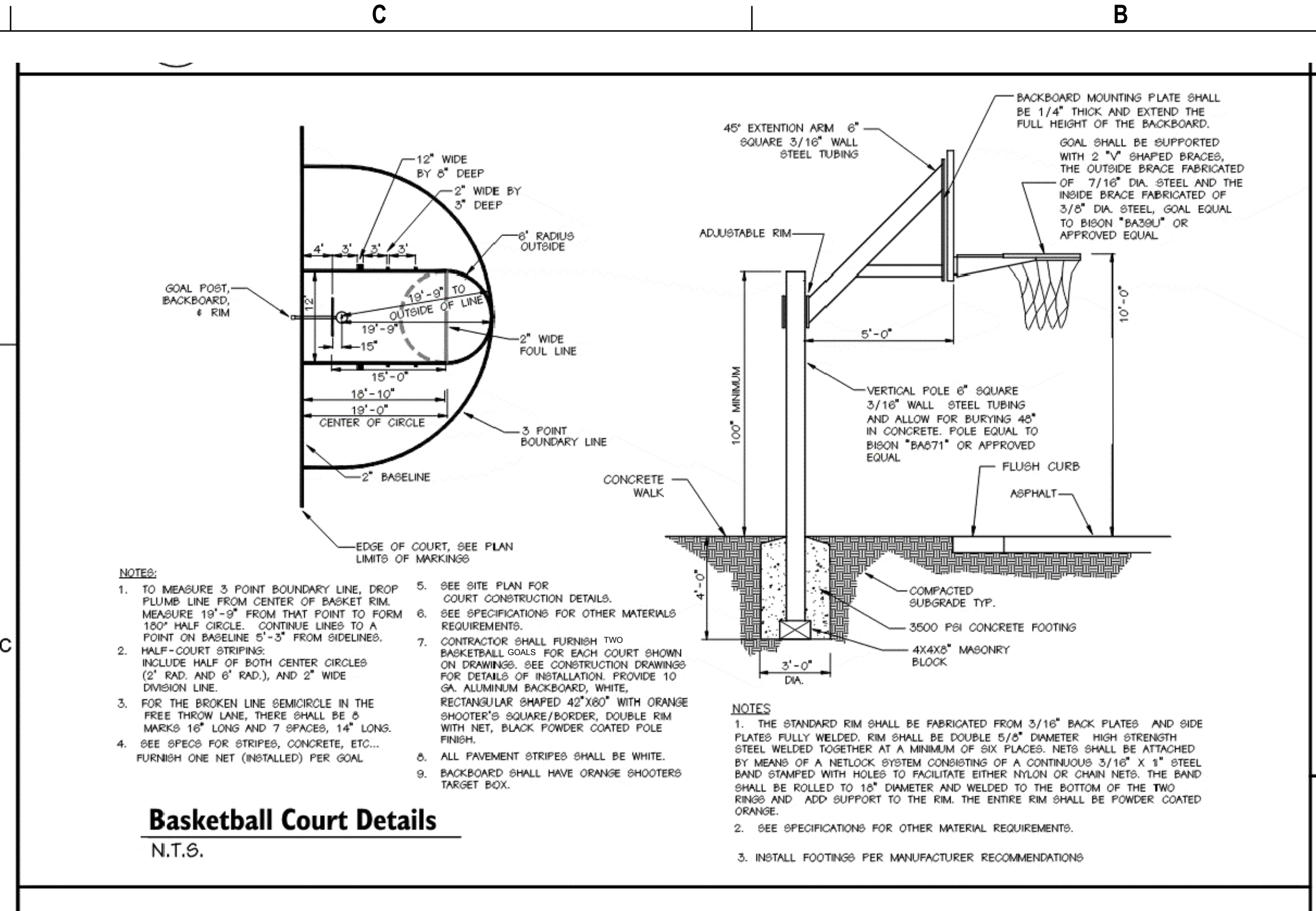
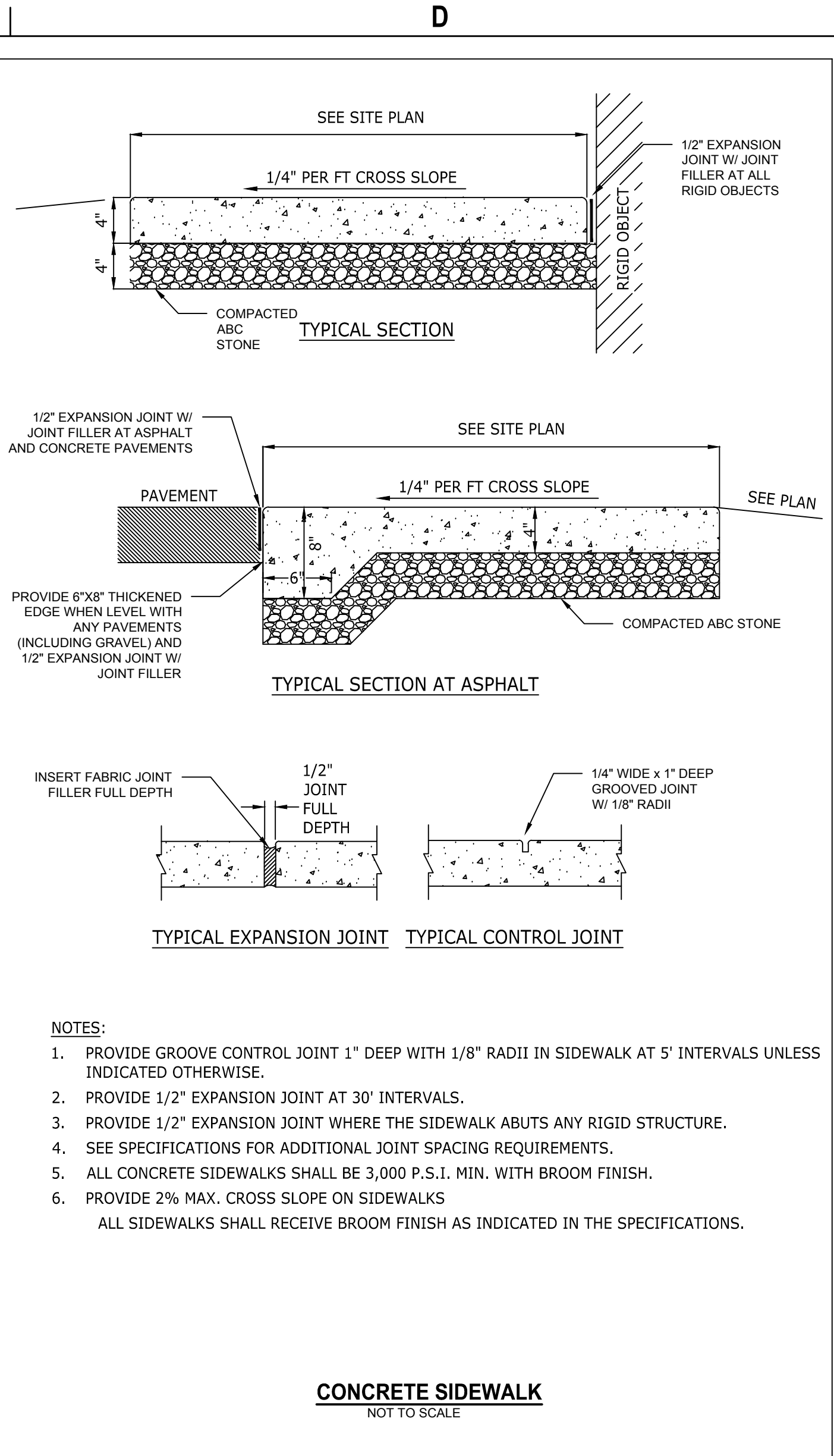
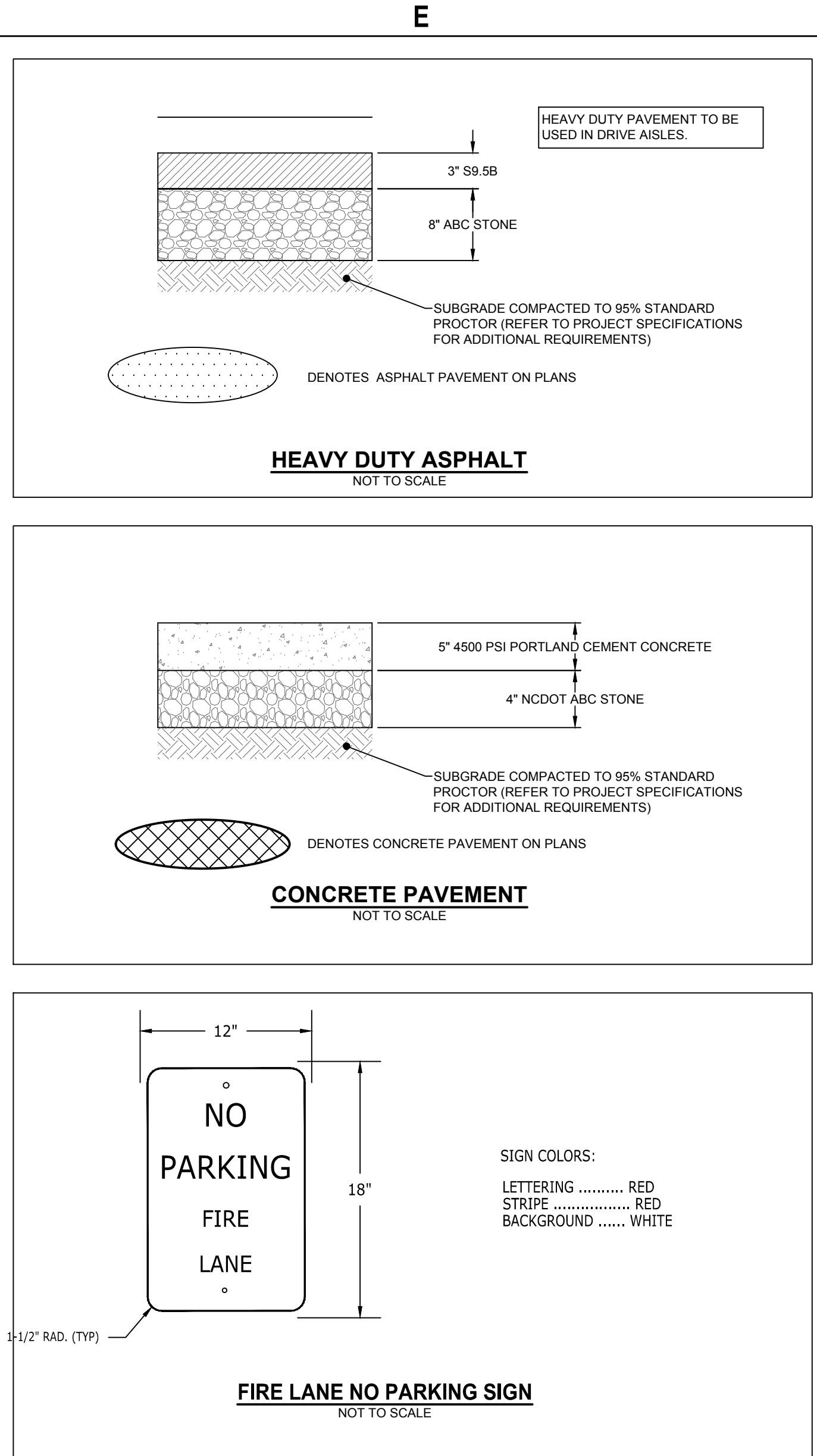
Harnett County Schools
LILLINGTON-SHAWTOWN ELEMENTARY ADDITION
855 Old US Highway 421
Lillington, NC 27546



No.	Date	Description

ISSUE DATE: 07-26-24
PROJECT #: 63407
DRAWN BY: SC
CHECKED BY: WA
© 2024 Sfi+a Architects, PA
All Rights Reserved

UTILITY PROFILES



SIZE AND DEGREE OF PIPE BEND	STATIC THRUST IN POUNDS	BEARING AREA (A.) IN SF						
		SOFT CLAY (600)	SOFT CLAY (900)	GRAVEL OR COURSE SAND (1,000)	SANDY SILT (3,000)	SANDY CLAY (5,000)	HARD CLAY (8,000)	
UP PIPE	11 1/4"	1,482	2	1	1	1	0	0
	22 1/2"	2,811	4	3	3	1	1	1
	45"	5,710	9	6	5	3	2	1
PLUG & BRANCH	8"	10,550	16	11	10	5	4	3
	11 1/4"	2,460	11	7	7	4	3	2
	11 1/2"	2,821	4	3	2	1	1	0
UP PIPE	22 1/2"	5,018	8	5	5	3	2	1
	45"	9,843	15	10	9	5	4	2
	90"	16,167	27	18	17	9	7	5
PLUG & BRANCH	12,850	19	13	12	6	5	3	2
	11 1/4"	3,791	6	4	4	2	1	1
	22 1/2"	7,546	11	8	7	4	3	2
UP PIPE	45"	14,602	22	15	14	7	5	4
	90"	27,251	41	27	26	14	10	7
	PLUG & BRANCH	19,340	29	19	18	10	7	5
UP PIPE	11 1/4"	5,363	8	5	5	3	2	1
	22 1/2"	10,726	16	11	10	5	4	3
	45"	20,940	31	21	20	10	8	5
PLUG & BRANCH	38,603	58	39	38	19	15	10	6
	11 1/4"	27,360	41	27	26	14	10	7
	22 1/2"	7,296	11	7	7	4	3	2
UP PIPE	11 1/4"	14,343	22	14	13	7	5	4
	22 1/2"	28,135	42	28	28	14	11	7
	45"	55,985	78	52	49	26	19	13
PLUG & BRANCH	36,760	55	37	34	18	14	9	6
	11 1/4"	9,319	14	9	9	5	3	2
	22 1/2"	18,549	28	19	17	9	7	5
UP PIPE	45"	36,396	55	36	34	18	14	9
	90"	67,232	103	67	63	34	25	17
	PLUG & BRANCH	47,540	71	48	45	24	16	12
UP PIPE	11 1/4"	11,257	16	12	11	6	4	3
	22 1/2"	22,502	32	22	22	12	9	6
	45"	45,708	69	46	43	23	17	11
PLUG & BRANCH	84,457	127	84	79	42	32	21	14
	58,720	90	58	58	30	22	15	10
	11 1/4"	14,365	22	14	13	7	5	4
UP PIPE	22 1/2"	28,592	43	29	27	14	11	7
	45"	56,088	86	58	53	28	21	14
	PLUG & BRANCH	10,534	155	104	87	52	39	26
UP PIPE	11 1/4"	20,493	31	20	19	10	8	5
	22 1/2"	40,789	61	41	38	20	15	10
	45"	80,611	120	80	75	40	30	20
PLUG & BRANCH	147,842	222	148	139	74	55	37	25
	104,540	157	105	98	52	39	26	17

TOWN OF LILLINGTON PUBLIC WORKS

GATE AND BUTTERFLY VALVE ASSEMBLY DETAILS

SCALE: N.T.S. DRAWING #: W-2

REVISIONS:

TOWN OF LILLINGTON PUBLIC WORKS

TAPPING SLEEVE AND VALVE ASSEMBLY AND MARKER DETAIL

SCALE: N.T.S. DRAWING #: W-3

REVISIONS:

TOWN OF LILLINGTON PUBLIC WORKS

CONCRETE THRUST BLOCKING DETAIL

SCALE: N.T.S. DRAWING #: W-6

REVISIONS:

TOWN OF LILLINGTON PUBLIC WORKS

CONCRETE THRUST BLOCKING DETAIL

SCALE: N.T.S. DRAWING #: W-6

REVISIONS:

...Becoming the Leading Designer of High Performance Facilities in the Nation with a Specialty in Alternative Delivery Methods

333 Fayetteville St., Ste 225
Raleigh, NC 27601
P: 919-273-4390
F: 919-273-4395
www.sfi+a.biz

sfi+a ARCHITECTS

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 045892

THESE DRAWINGS WERE PREPARED BY THE DESIGNER OFFICE
3410 Trinity Road, Suite 100
Raleigh, NC 27612
Tel: 919-850-1100
Fax: 919-850-0400
www.sfi+a.com

TIMMONS GROUP
YOUR VISION ACHIEVED THROUGH OURS

THESE DRAWINGS WERE PREPARED BY THE DESIGNER OFFICE
3410 Trinity Road, Suite 100
Raleigh, NC 27612
Tel: 919-850-1100
Fax: 919-850-0400
www.timmons.com

North Carolina License No. C-1552
The Engineering Council of North Carolina
2020-2022

Harnett County Schools
LILLINGTON-SHAWTOWN ELEMENTARY ADDITION
855 Old US Highway 421
Lillington, NC 27546

ENERGY STAR PARTNER

No.	Date	Description

ISSUE DATE: 07-26-24
PROJECT #: 63407
DRAWN BY: SC
CHECKED BY: WA
© 2024 Sfi+a Architects, PA
All Rights Reserved

NOTES AND DETAILS

C5.0

5

4

3

2

1

WATER

LENGTH (INCHES)

A	B
10	15
10	24
15	24
16	36
26	36
26	48
26	60

COMPLETE BOX

NOTES:

- VALVE BOX SHALL HAVE RAISED LETTERS "WATER" CAST INTO COVER.
- VALVE BOX ACCOMMODATES 4" THROUGH 12" VALVES.
- VALVE BOX SHALL HAVE 3/8" HOLE DRILLED IN TOP SECTION THROUGH WHICH A 1/4" X 1 1/2" GALVANIZED BOLT SHALL BE USED TO SECURE A #10 TRACER WIRE FOR NON-FERROUS PIPE. A 1/2" WASHER SHALL BE USED BETWEEN THE NUT AND INSIDE OF BOX. HAND TIGHTENED.
- DIMENSIONS SHOWN ARE FOR INFORMATION ONLY AND VARY BASED ON THE MANUFACTURER.
- CASTINGS SHALL BE MANUFACTURED IN THE U.S.A.

TOWN OF LILLINGTON PUBLIC WORKS

SCREW TYPE VALVE BOX DETAIL

SCALE: N.T.S. DRAWING #: W-5

DATE	BY	DESCRIPTION

PLAN VIEW AT FITTINGS

GRASS AND GRAVEL INSTALLATION

PAVEMENT INSTALLATION

STANDARD CLEANOUT
NOT TO SCALE

NOTES:

- CLEANOUTS IN PAVEMENT SHALL BE INSTALLED INSIDE A VALVE BOX WITH TOP OF CLEANOUT INSIDE 2" BELOW FINISH GRADE.
- ALL CLEANOUTS SHALL HAVE SEWER OR STORM NOTED ON COVER AS APPLICABLE.
- CLEANOUT COVERS SHALL BE BRASS.
- CLEANOUTS IN GRASS, GRAVEL OR MULCH SHALL HAVE 12"x12"x6" CAST IN PLACE CONCRETE COLLAR FLUSH WITH FINISH GRADE.
- ALL BACKFILL MATERIAL SHALL BE SUITABLE NATIVE MATERIAL. THE FULL LENGTH OF THE SERVICE DITCH SHALL BE COMPACTED IN 6" LAYERS WITH MECHANICAL TAMP.
- RISER STACK IN GRASS SHALL BE 4" CAST IRON. PROVIDE REDUCING WYE AS NEEDED TO TRANSITION TO DIFFERING LATERAL PIPE SIZE.

STANDARD VALVE FTG. FOR WATER MAINS
NOT TO SCALE

1. "X"X"Y" MUST EQUAL THE SQUARE FOOTAGE OF THE BEARING AREA AS SHOWN IN THE TABLE BELOW.

BEARING SURFACE AREA FOR VALVE FOOTINGS

VALVE SIZE	6" 8"
QUICK SAND, POOR SOIL (1000 PSF)	7 12
GRAVEL COURSE SAND (1600 PSF)	5 8
SOFT CLAY (2000 PSF)	4 6
FAIRLY DRY CLAY, CLEAN DRY SAND (4000 PSF)	2 3
DRY CLAY, COMPACT SAND (8000 PSF)	1 2

USE 3000 PSI CONCRETE IN FOOTING

STANDARD SANITARY SEWER LATERAL CONNECTIONS
NOT TO SCALE

NOTES:

- PVC SOLVENT CEMENT SHALL BE USED FOR PVC SADDLES.
- TRUSS SADDLES SHALL BE USED WITH TRUSS PIPE.
- DIP CONNECTIONS SHALL BE MJ IN-LINE WYE OR ROMAC SEWER SADDLE TYPE CB OR OTHER AS APPROVED.

TYPICAL TRENCH IN BITUMINOUS SURFACE AREAS DETAIL
NOT TO SCALE

NOTES:

- PAVEMENT SHALL BE CUT TO TRUE LINE AND REMOVED BEFORE TRENCH IS CUT.
- STONE AND PAVEMENT TO BE PLACED WITH LEAST INTERFERENCE TO TRAFFIC.
- STABILIZED AGGREGATE TO BE SECURED FROM AN APPROVED QUARRY.
- ALL PAVEMENT REPAIRS TO BE IN ACCORDANCE WITH N.C.D.O.T. SPECIFICATIONS.

ROADWAY STANDARD DRAWING FOR CONCRETE DROP INLET
12" THRU 30" PIPE

GENERAL NOTES:

- USE CLASS "B" CONCRETE THROUGHOUT.
- PROVIDE ALL DROP INLETS OVER 2'-0" IN DEPTH WITH STEPS 12" ON CENTER. USE STEPS WITH CORNERS WITH STD. DRAWING RADII.
- OPTIONAL CONSTRUCTION - MONOLITHIC FOUR 2" KEYWAY OR #4 BAR DOMELS AT 12" CENTERS AS DIRECTED BY THE ENGINEER.
- USE FORMS FOR THE CONSTRUCTION OF THE BOTTOM SLAB.
- IF REINFORCED CONCRETE PIPE IS SET IN BOTTOM SLAB OF BOX, ADD TO SLAB AS SHOWN ON STD. NO. 840.000.
- CONSTRUCT WITH PIPE GRINGS MATCHING.
- SEE STANDARD DRAWING RADII FOR ATTACHMENT OF FRAMES AND GRATES NOT SHOWN.
- INSTALL 2" REINFORCES AS DIRECTED BY THE ENGINEER.
- INSTALL STONE DRAINAGE OF A MINIMUM OF 1 CUBIC FOOT OF NO. 7MM STONE IN A FOUR-FOOT RADIUS OR W/ 4" WEEP HOLES OR AS DIRECTED BY THE ENGINEER. CHAMFER ALL EXPOSED CORNERS 1".
- DRAWING NOT TO SCALE.

TABLE 1: DIMENSIONS AND QUANTITIES FOR DROP INLET (BASED ON MIN. HEIGHT, H)

PIPE SIZE (W/TH, H)	DIMENSIONS OF BOX & PIPE			CUBIC YARDS		DEDUCTIONS FOR CONG. IN BOX		
	A	B	H	SLAB	FT. PER LIN. FT.	PER LIN. FT.	C.M.	R.C.
12" 3'-0" 2'-0"	2'-0"	2'-0"	2'-0"	0.222	0.222	0.545	0.015	0.026
15" 3'-0" 2'-0"	2'-0"	2'-0"	2'-0"	0.222	0.222	0.545	0.015	0.036
18" 3'-0" 2'-0"	2'-0"	2'-0"	2'-0"	0.222	0.222	0.545	0.015	0.049
24" 3'-0" 2'-0"	2'-0"	2'-0"	2'-0"	0.222	0.222	0.545	0.015	0.085
30" 3'-0" 2'-0"	2'-0"	2'-0"	2'-0"	0.222	0.222	0.545	0.015	0.127

CAST IRON DOWNSPOUT COLLECTOR
NO SCALE

NOTES:

- INSTALL CAST IRON DOWNSPOUT BOOT ON EXISTING DOWNSPOUT AND MOUNT SECURELY TO WALL.
- FINISH / PAINT BOOT TO MATCH COLOR OF DOWNSPOUT.
- ALL BELOW GRADE ROOF DRAINAGE PIPING SHALL BE 6" PVC @ 1.0% MIN. SLOPE UNLESS NOTED OTHERWISE.
- PIPE SHALL BE DIP WHEN LESS THAN 24" OF COVER IS PROVIDED.
- VERIFY DOWNSPOUT DIMENSIONS MATCH BOOT DIMENSIONS PRIOR TO ORDERING BOOT OR ADAPTOR.
- MAINTAIN A WATERTIGHT CONNECTION AT ALL PIPE CONNECTIONS BELOW GRADE.
- THE SITE WORK CONTRACTOR IS RESPONSIBLE FOR ALL WORK TO AND INCLUDING THE 45° BEND FOR ROOF DRAINAGE.
- CONTRACTOR TO PROVIDE ANY MODIFICATIONS TO THE EXISTING DOWNSPOUT PIPING AS NECESSARY IN ORDER TO INSTALL THE DOWN SPOUT BOOT AND FITTINGS AS SHOWN. THIS INCLUDES SHORTENING OF THE DOWNSPOUT AND REMOVAL OF ANY ELBOWS OR FITTINGS.

ROOF DRAIN COLLECTOR
NOT TO SCALE

COLLECTOR NOTES:

- CONNECT ALL BUILDING DOWNSPOUTS INTO THE ROOF DRAIN COLLECTOR SYSTEM OR DIRECTLY INTO THE STORM SEWER SYSTEM.
- THE ROOF DRAIN COLLECTOR SYSTEM IS SMOOTH-LINED, CORRUGATED POLYETHYLENE PIPE LAID AT MINIMUM SLOPES AS INDICATED.
- PIPES CONNECTING TO INDIVIDUAL DOWNSPOUTS ARE 6" PROVIDE MINIMUM 6" PIPE SIZE 5' OUTSIDE BUILDING. ALL OTHER DRAIN PIPES ARE SIZED AS INDICATED INCREASING IN SIZE FROM UPSTREAM TO DOWNSPOT.
- PROVIDE CLEANOUTS AS INDICATED AND AS REQUIRED BY LOCAL BUILDING CODE.
- MAKE CONNECTIONS INTO CONCRETE PIPES WITH A FLEXIBLE WATERTIGHT TEE CONNECTOR THAT IS MECHANICALLY EXPANDED INTO A CORDED OPENING. CONNECTOR SHALL BE KOR-N-TEE OR APPROVED EQUAL.
- MAINTAIN ADEQUATE OUTFALL FOR ROOF DRAIN DURING AND AFTER THE COMPLETION OF CONSTRUCTION.
- MINIMUM DEPTH OF COVER SHALL BE ONE (1) FOOT, FOR ALL DEPTHS OF COVER LESS THAN TWO (2) FEET, PIPE MUST BE SCHEDULE 40 PVC. FOR DEPTHS OF COVER GREATER THAN TWO (2) FEET, FLEXIBLE PIPE MAY BE USED. REFER TO SPECIFICATIONS FOR ALLOWABLE PIPE TYPES.
- MAINTAIN A WATERTIGHT CONNECTION AT ALL PIPE CONNECTIONS BELOW GRADE.
- INSTALL THE DOWNSPOUT COLLECTOR DRAIN BEFORE THE DOWNSPOUTS ARE INSTALLED ON THE BUILDING. THE SITE WORK CONTRACTOR IS RESPONSIBLE FOR ALL WORK TO AND INCLUDING THE 45° BEND. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS OF DOWNSPOUTS ON BUILDING EXTERIOR WALLS.

...Becoming the Leading Designer of High Performance Facilities in the Nation with a Specialty in Alternative Delivery Methods

333 Fayetteville St, Ste 225
Raleigh, NC 27601
P: 919-273-4390
F: 919-273-4395
www.sfi+a.biz

sfi+a
ARCHITECTS

NORTH CAROLINA PROFESSIONAL SEAL 045892
WILLIAM P. AILMAN

TIMMONS GROUP
YOUR VISION ACHIEVED THROUGH OURS

THIS DRAWING PREPARED BY THE DESIGN OFFICE

5410 Treva Road, Suite 100
Raleigh, NC 27617
Phone: 919-876-6600
Fax: 919-876-6603
www.timmons.com
North Carolina License No. C-1552
The Registered Professional Engineer/Architect

Harnett County Schools

LILLINGTON-SHAWTOWN ELEMENTARY ADDITION

855 Old US Highway 421
Lillington, NC 27546

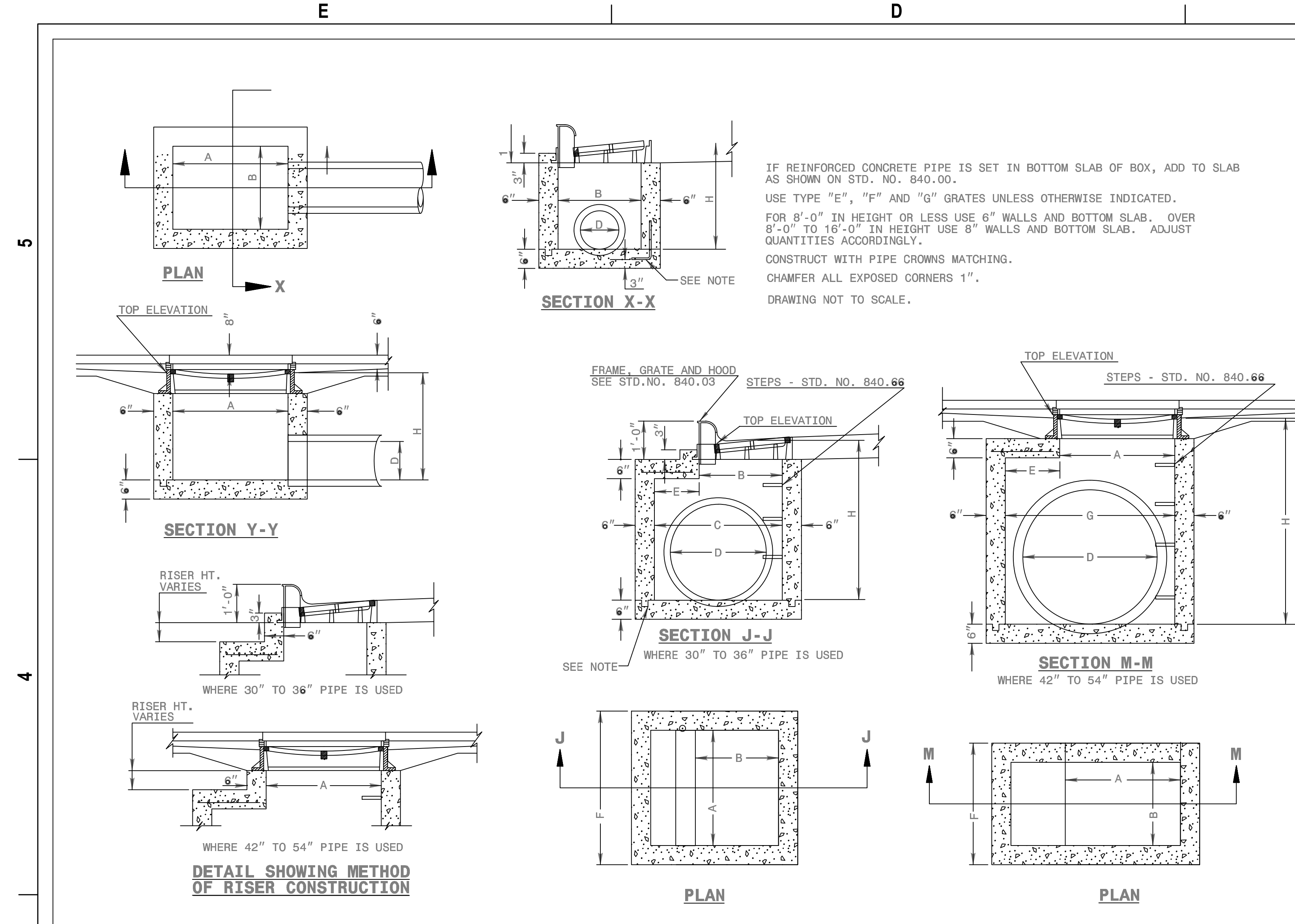
ENERGY STAR PARTNER

No.	Date	Description

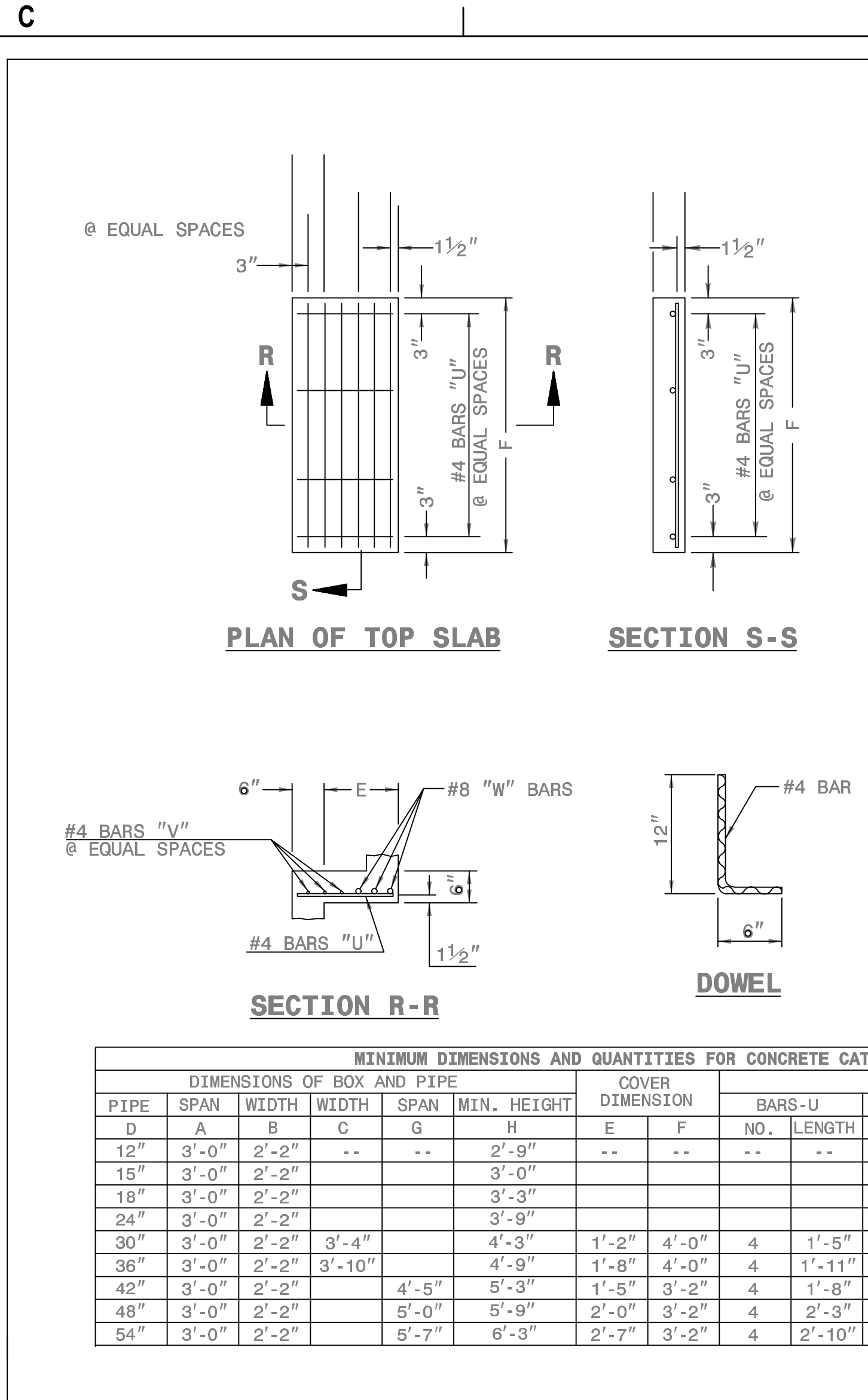
ISSUE DATE: 07-26-24
PROJECT #: 63407
DRAWN BY: SC
CHECKED BY: WA
© 2024 Sfi+a Architects, PA
All Rights Reserved

NOTES AND DETAILS

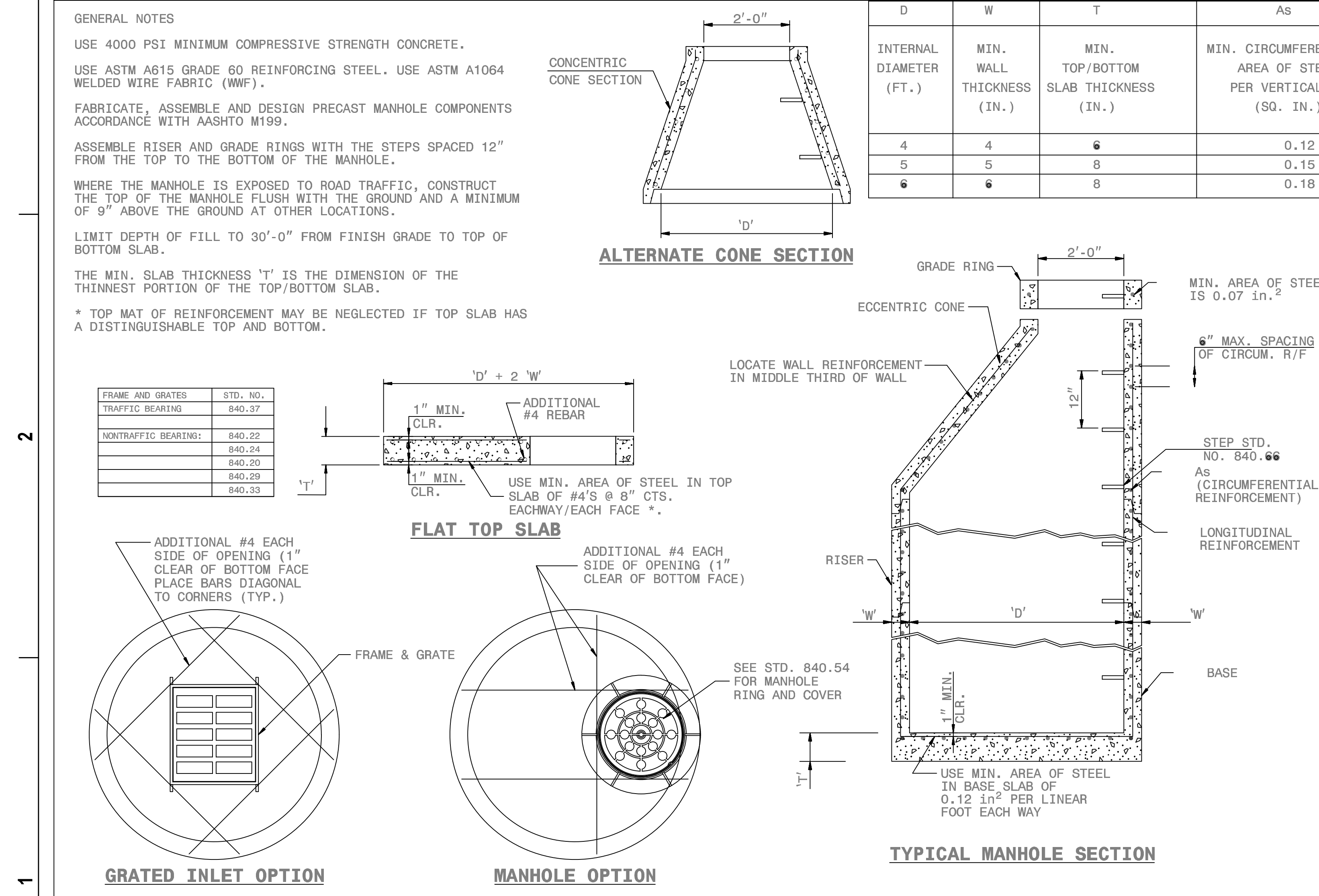
C5.1



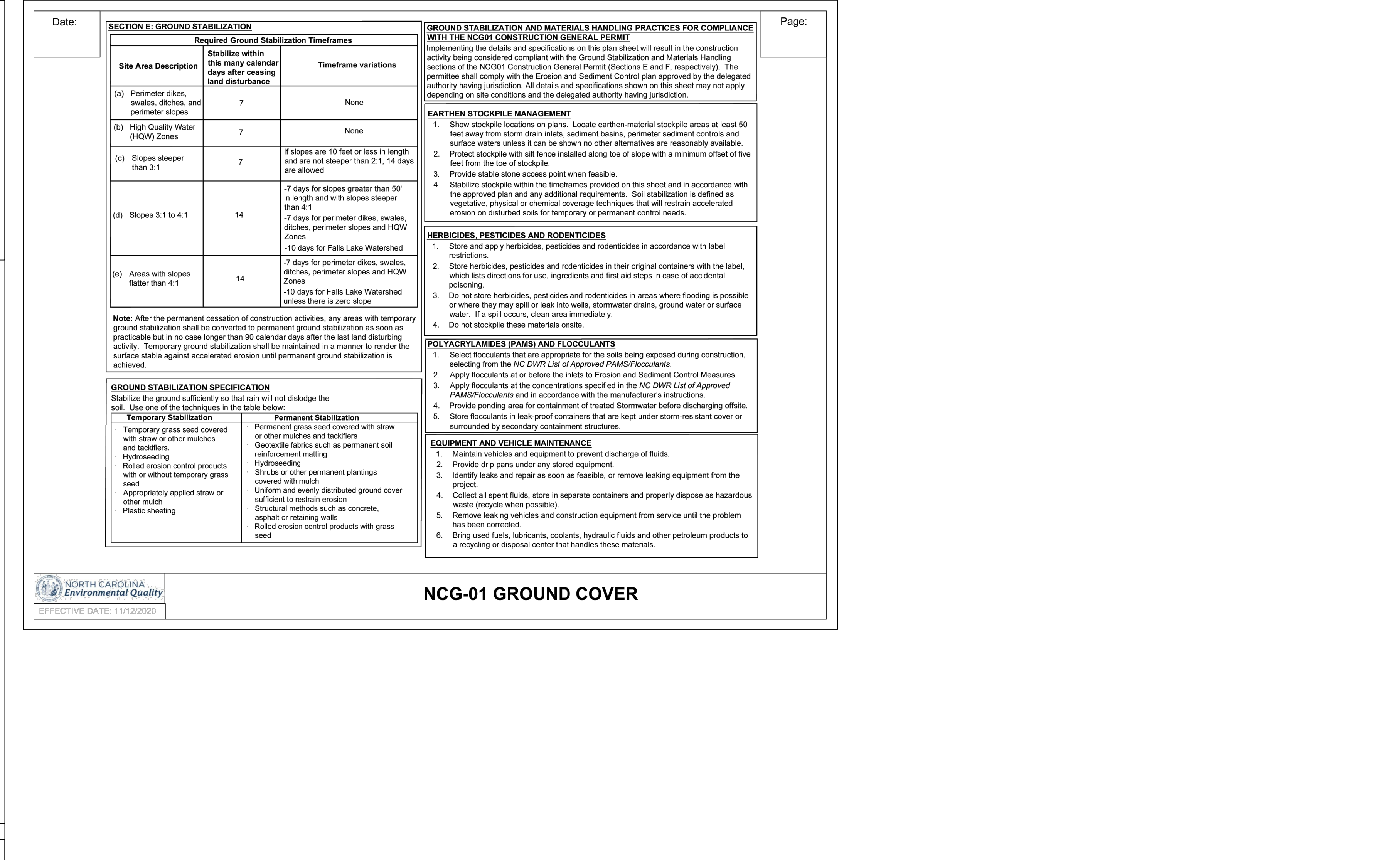
SHEET 1 OF 2
840.02



SHEET 2 OF 2
840.02



SHEET 1 OF 1
840.52



ISSUE DATE: 07-26-24
PROJECT #: 63407
DRAWN BY: SC
CHECKED BY: WA
©2024 Sft.+a Architects, PA
All Rights Reserved
NOTES AND DETAILS

ADDITIONAL LEGAL DISCLAIMER: This document is intended to comply with the requirements of the Americans with Disabilities Act (ADA). However, architects and engineers are not licensed to interpret law or give advice concerning law. The owner should have this document reviewed by his attorney to determine if it complies with ADA and other laws.

840.02

...Becoming the
Leading Designer of
High Performance Facilities
in the Nation with a
Specialty in Alternative
Delivery Methods

333 Fayetteville St., Ste 225
Raleigh, NC 27601
P: 919-273-4390
F: 919-273-4395
www.sft+a.biz

sft+a
ARCHITECTS

PROFESSIONAL SEAL
045692
PAUL M. ANTHONY
ENGINEER

SEAL
045692

TIMMONS GROUP
FOR VISION ACHIEVED THROUGH OUR
RESILIENT PARTNERSHIP

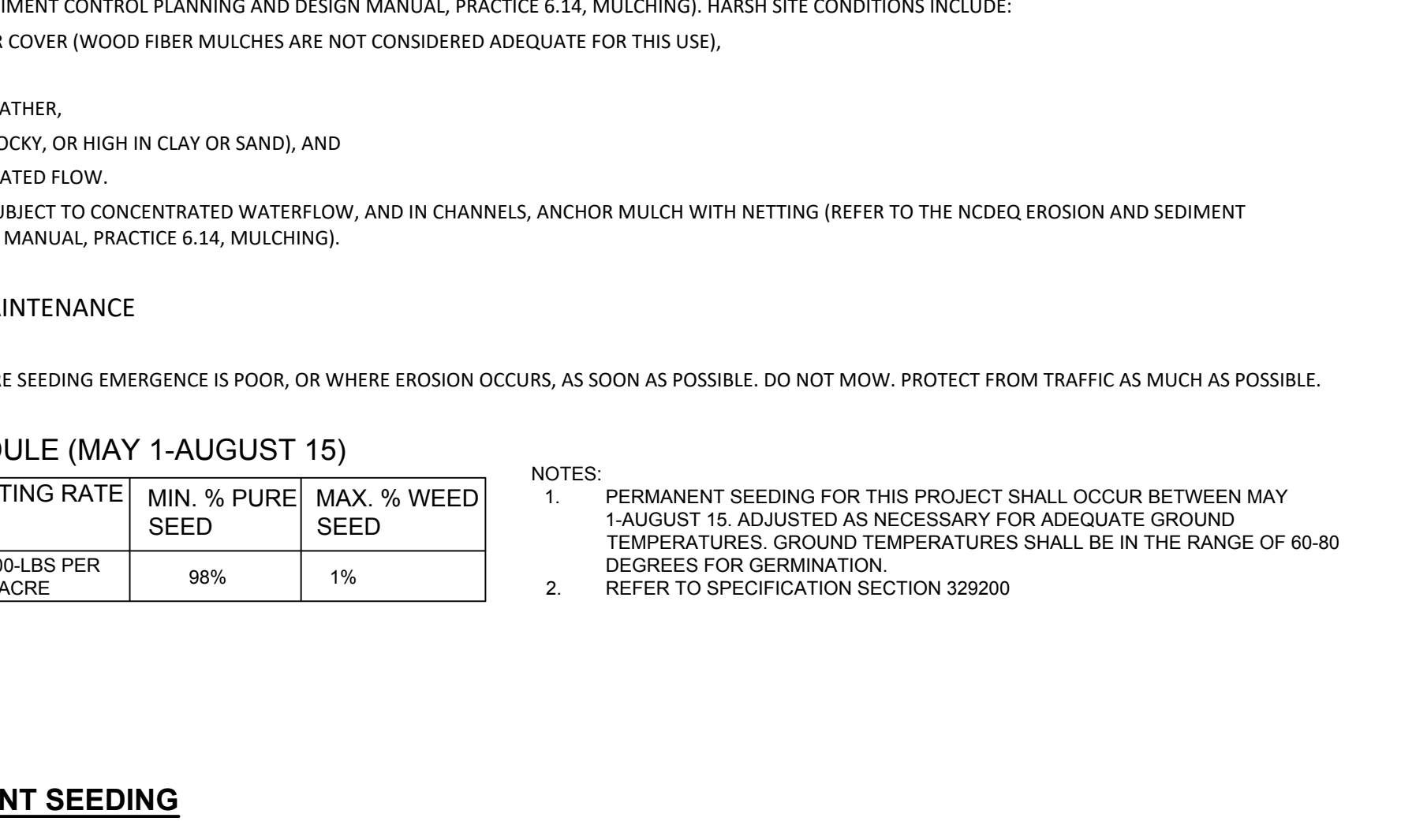
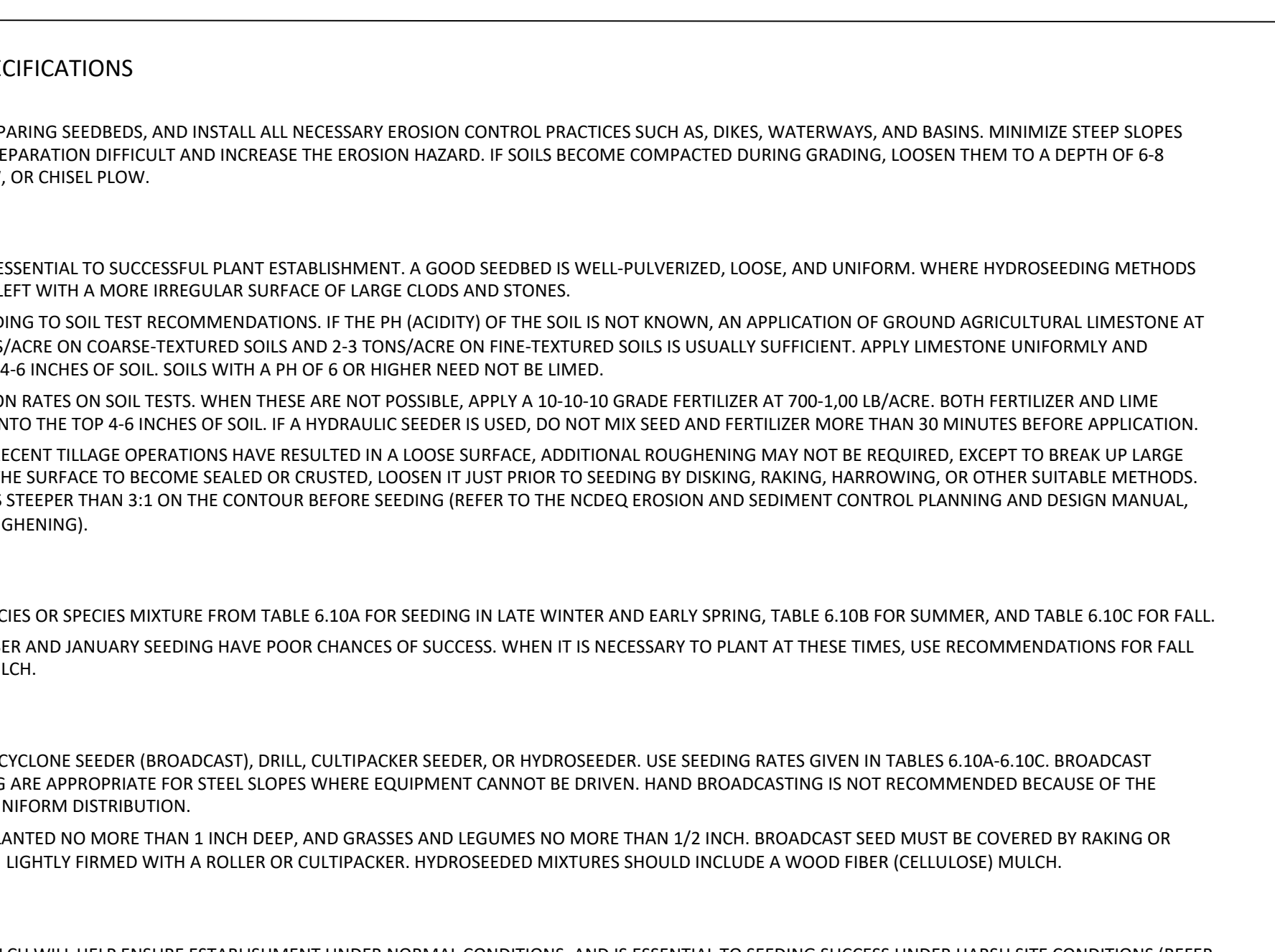
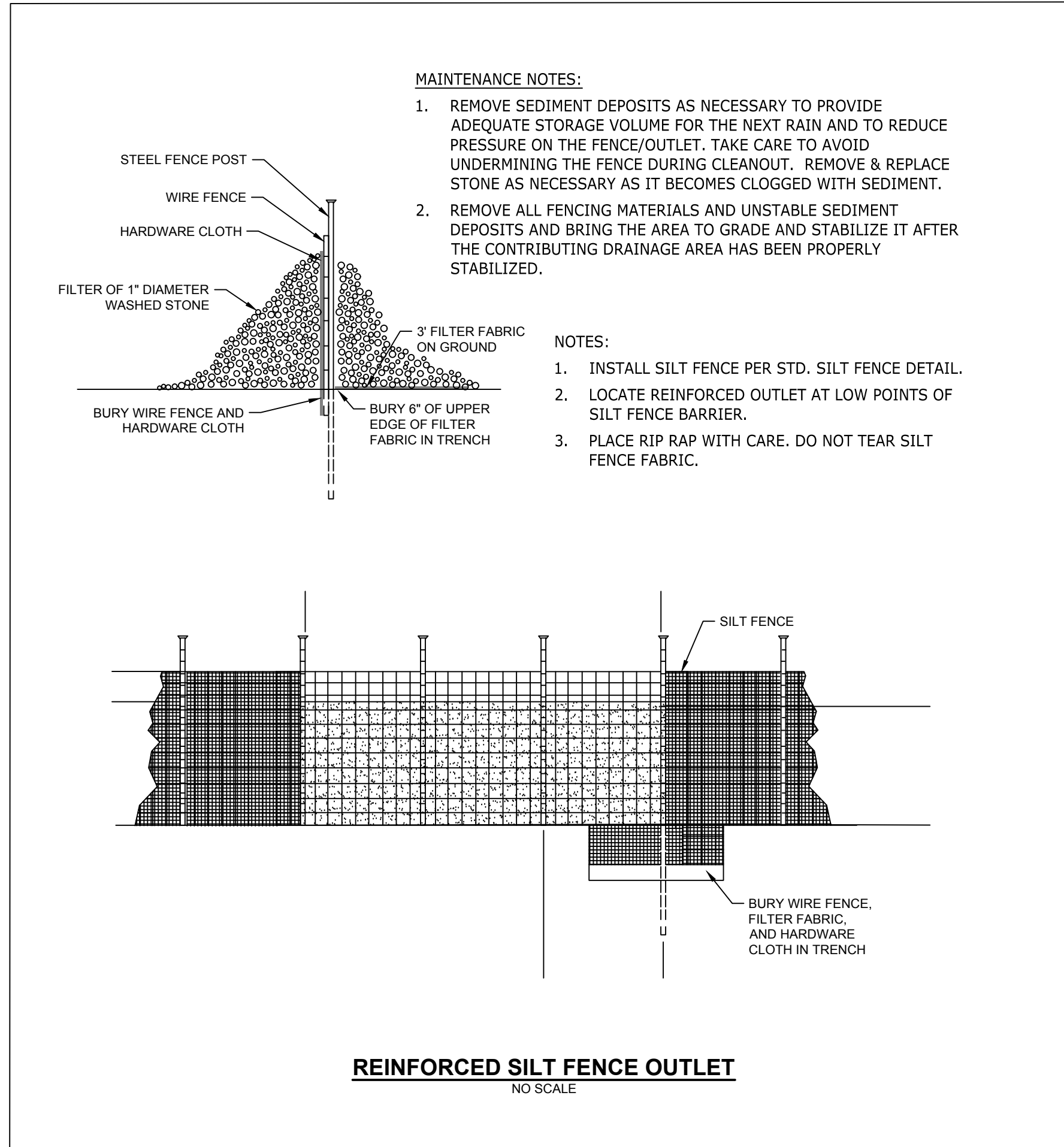
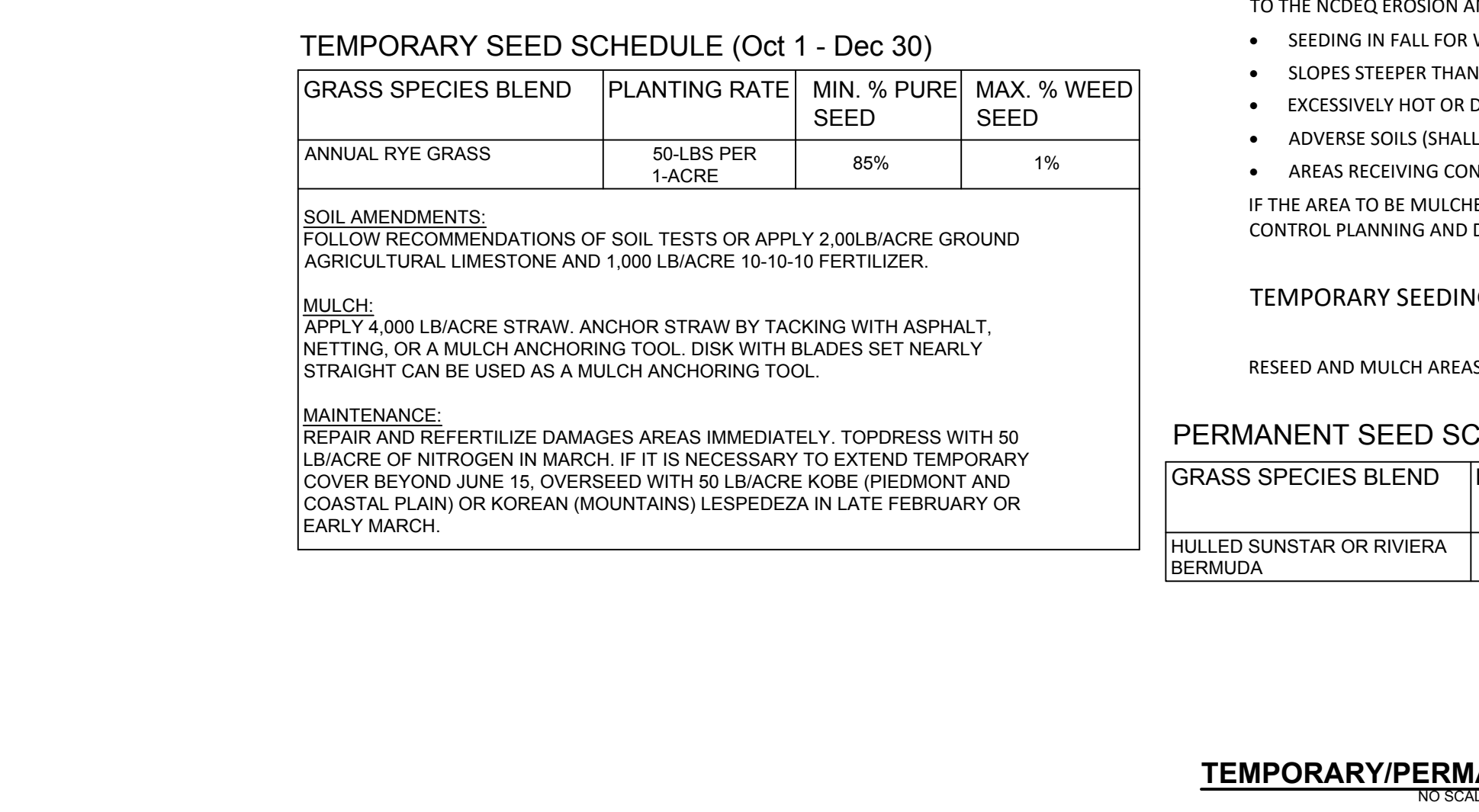
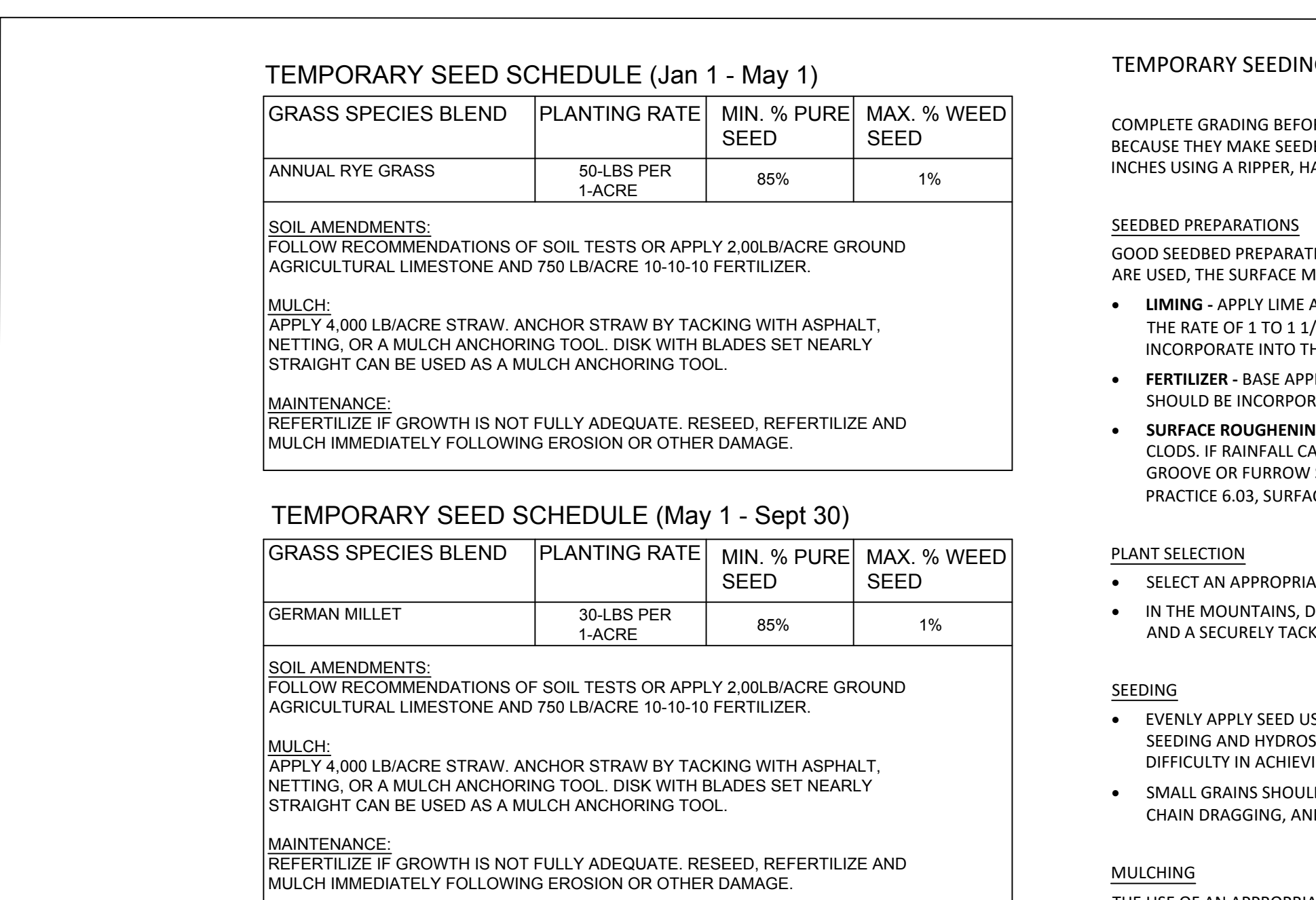
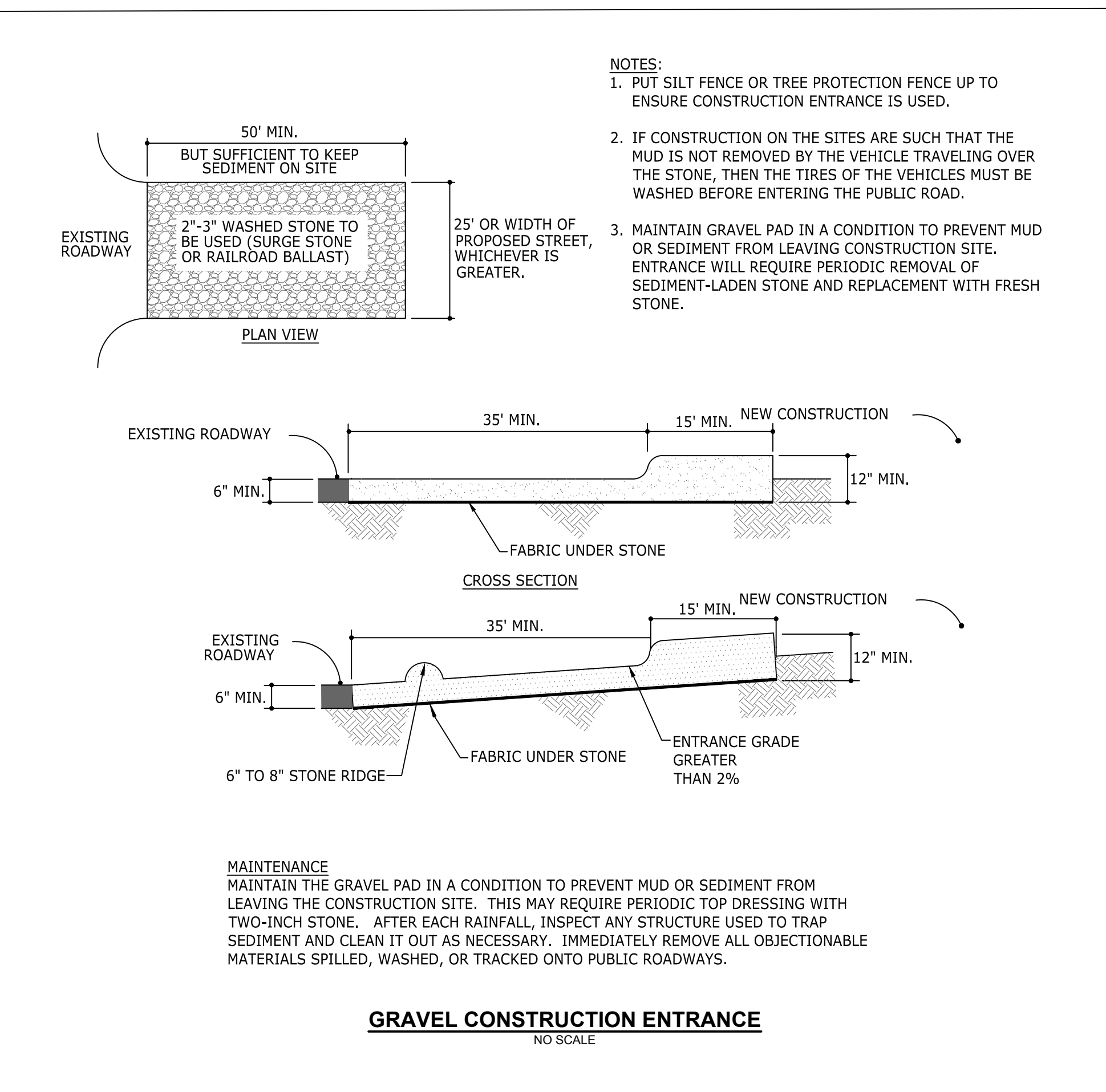
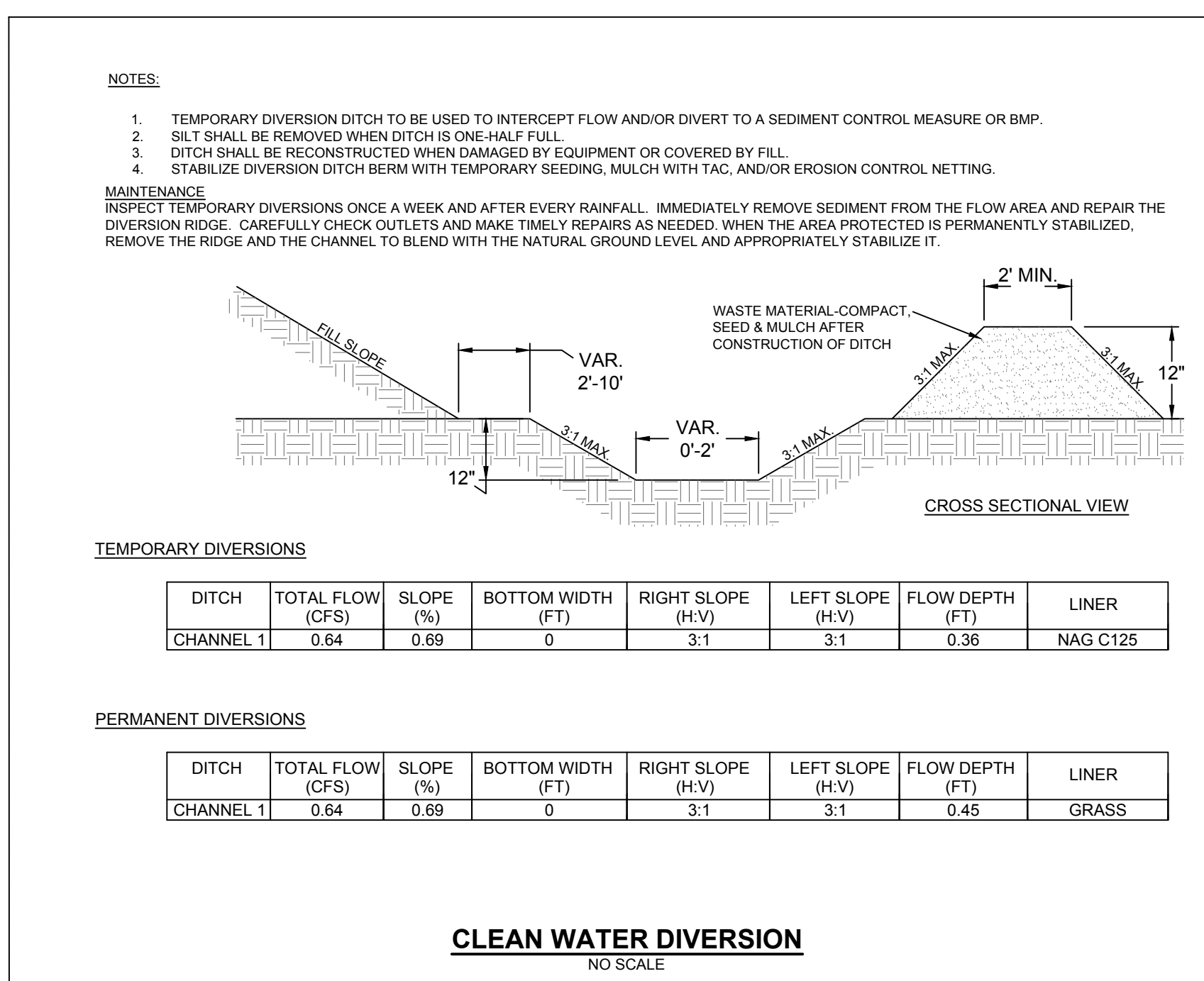
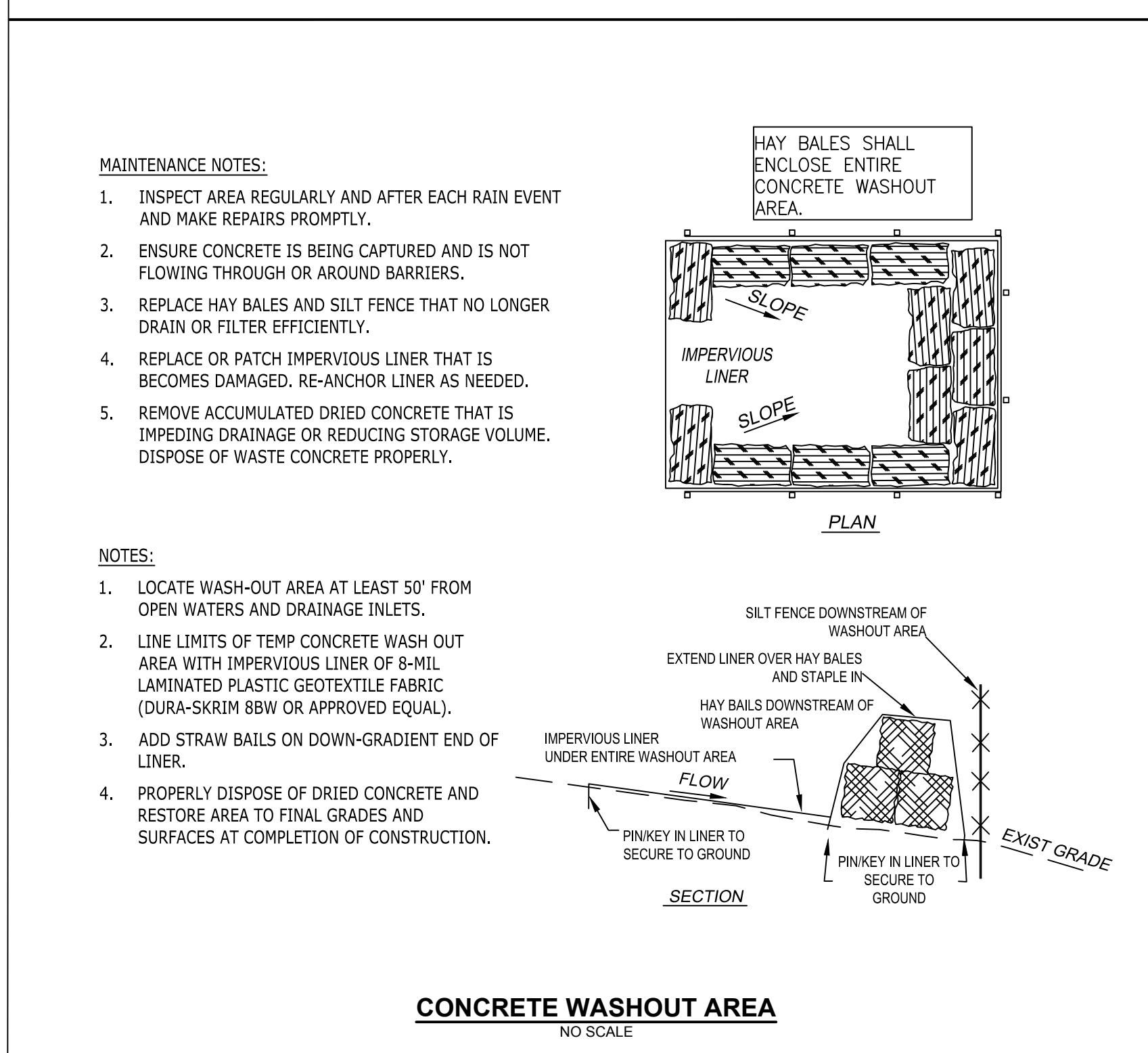
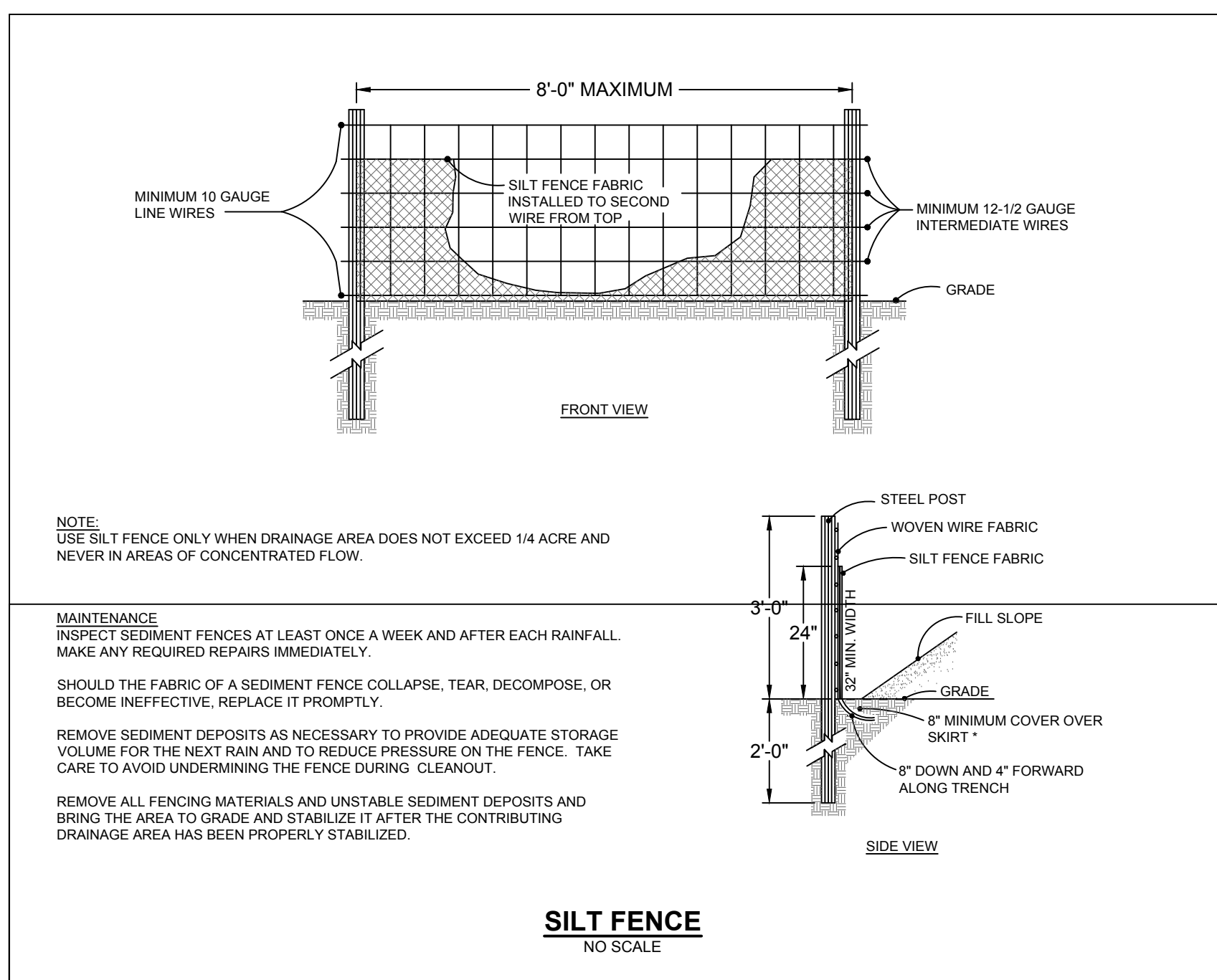
THESE SERVICES PROVIDED BY THE
MEMBER OFFICE
1410 Tryon Ave., Suite 100
Raleigh, NC 27607
P: 919-838-0833
F: 919-838-0833
www.timmons-engineering.com
North Carolina License No. C-1582
The Engineering Council of North Carolina
2020-2022

Harnett County Schools
LILLINGTON-SHAWTOWN ELEMENTARY ADDITION
855 Old US Highway 421
Lillington, NC 27546

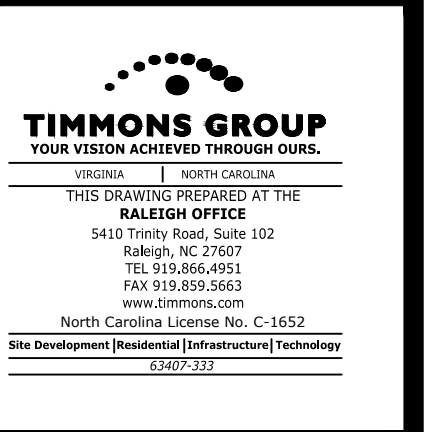
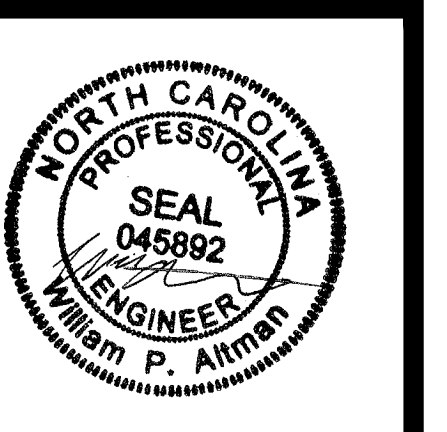
ENERGY STAR PARTNER

ISSUE DATE: 07-26-24
PROJECT #: 63407
DRAWN BY: SC
CHECKED BY: WA
©2024 Sft.+a Architects, PA
All Rights Reserved
NOTES AND DETAILS

840.52



TEMPORARY/PERMANENT SEEDING
NO SCALE



Harnett County Schools
LILLINGTON-SHAWTOWN ELEMENTARY ADDITION
855 Old US Highway 421
Lillington, NC 27546



No.	Date	Description

ISSUE DATE: 07-26-24
PROJECT #: 63407
DRAWN BY: SC
CHECKED BY: WA
© 2024 Sfi.+a Architects, PA
All Rights Reserved

NOTES AND DETAILS

GROUND STABILIZATION AND MATERIALS HANDLING PRACTICES FOR COMPLIANCE WITH THE NCG01 CONSTRUCTION GENERAL PERMIT

Implementing the details and specifications on this plan sheet will result in the construction activity being considered compliant with the Ground Stabilization and Materials Handling sections of the NCG01 Construction General Permit (Sections E and F, respectively). The permittee shall comply with the Erosion and Sediment Control plan approved by the delegated authority having jurisdiction. All details and specifications shown on this sheet may not apply depending on site conditions and the delegated authority having jurisdiction.

SECTION E: GROUND STABILIZATION

Site Area Description	Stabilize within this many calendar days after ceasing land disturbance	Timeframe variations
(a) Perimeter dikes, swales, ditches, and perimeter slopes	7	None
(b) High Quality Water (HQW) Zones	7	None
(c) Slopes steeper than 3:1	7	If slopes are 10' or less in length and are not steeper than 2:1, 14 days are allowed. -7 days for slopes greater than 50' in length and with slopes steeper than 4:1.
(d) Slopes 3:1 to 4:1	14	-7 days for perimeter dikes, swales, ditches, perimeter slopes and HQW Zones. -10 days for Falls Lake Watershed
(e) Areas with slopes flatter than 4:1	14	-7 days for perimeter dikes, swales, ditches, perimeter slopes and HQW Zones. -10 days for Falls Lake Watershed unless there is zero slope

Note: After the permanent cessation of construction activities, any areas with temporary ground stabilization shall be converted to permanent ground stabilization as soon as practicable but in no case longer than 90 calendar days after the last land disturbing activity. Temporary ground stabilization shall be maintained in a manner to render the surface stable against accelerated erosion until permanent ground stabilization is achieved.

GROUND STABILIZATION SPECIFICATION

Stabilize the ground sufficiently so that rain will not dislodge the soil. Use one of the techniques in the table below:

Temporary Stabilization	Permanent Stabilization
<ul style="list-style-type: none"> Temporary grass seed covered with straw or other mulches and tackifiers Hydroseeding Soiled-erosion control products with or without temporary grass seed Appropriately applied straw or other mulch Plastic sheeting 	<ul style="list-style-type: none"> Permanent grass seed covered with straw or other mulches and tackifiers Geotextile fabrics such as permanent soil reinforcement matting Hydroseeding Shrubs or other permanent plantings covered with mulch Uniform and evenly distributed ground cover sufficient to restrain erosion Structural methods such as concrete, asphalt or retaining walls Soiled-erosion control products with grass seed

POLYACRYLAMIDES (PAMS) AND FLOCCULANTS

- Select flocculants that are appropriate for the soils being exposed during construction, selecting from the *NC DWR List of Approved PAMS/Flocculants*.
- Apply flocculants at or before the inlets to Erosion and Sediment Control Measures.
- Apply flocculants at the concentrations specified in the *NC DWR List of Approved PAMS/Flocculants* and in accordance with the manufacturer's instructions.
- Provide ponding area for containment of treated stormwater before discharging effluents.
- Store flocculants in leak-proof containers that are kept under storm-resistant cover or surrounded by secondary containment structures.

EQUIPMENT AND VEHICLE MAINTENANCE

- Maintain vehicles and equipment to prevent discharge of fluids.
- Provide drip pans under any stored equipment.
- Identify leaks and repair as soon as feasible, or remove leaking equipment from the project.
- Collect all spent fluids, store in separate containers and properly dispose as hazardous waste (recycle when possible).
- Remove leaking vehicles and construction equipment from service until the problem has been corrected.
- Bring used fuels, lubricants, coolants, hydraulic fluids and other petroleum products to a recycling or disposal center that handles these materials.

LITTER, BUILDING MATERIAL AND LAND CLEARING WASTE

- Never bury or burn waste. Place litter and debris in approved waste containers.
- Provide a sufficient number and size of waste containers (e.g. dumpster, trash receptacle) on site to contain construction and domestic wastes.
- Locate waste containers at least 50 feet away from storm drain inlets and surface waters unless no other alternatives are reasonably available.
- Locate waste containers on areas that do not receive substantial amounts of runoff from upland areas and does not drain directly to a storm drain, stream or wetland.
- Cover waste containers at the end of each workday and before storm events or provide secondary containment. Repair or replace damaged waste containers.
- Anchor all lightweight items in waste containers during times of high winds.
- Empty waste containers as needed to prevent overflow. Clean up immediately if containers overflow.
- Dispose waste off-site at an approved disposal facility.
- On business days, clean up and dispose of waste in designated waste containers.

PAINT AND OTHER LIQUID WASTE

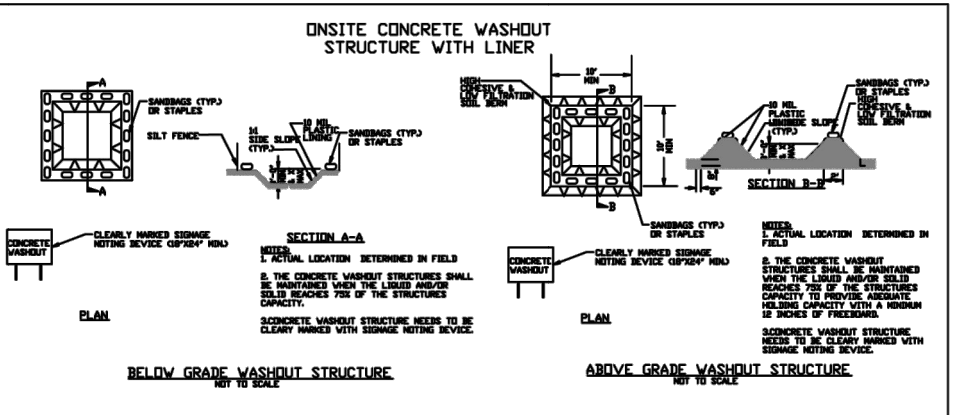
- Do not dump paint and other liquid waste into storm drains, streams or wetlands.
- Locate paint washouts at least 50 feet away from storm drain inlets and surface waters unless no other alternatives are reasonably available.
- Contain liquid wastes in a controlled area.
- Containment must be labeled, sized and placed appropriately for the needs of site.
- Prevent the discharge of soaps, solvents, detergents and other liquid wastes from construction sites.

PORTABLE TOILETS

- Install portable toilets on level ground, at least 50 feet away from storm drains, streams or wetlands unless there is no alternative reasonably available. If 50 foot offset is not attainable, provide relocation of portable toilet behind silt fence or place on a gravel pad and surround with sand bags.
- Provide staking or anchoring of portable toilets during periods of high winds or in high foot traffic areas.
- Monitor portable toilets for leaking and properly dispose of any leaked material. Utilize a licensed sanitary waste hauler to remove leaking portable toilets and replace with properly operating unit.

EARTHEN STOCKPILE MANAGEMENT

- Show stockpile locations on plans. Locate earthen-material stockpile areas at least 50 feet away from storm drain inlets, sediment basins, perimeter sediment controls and surface waters unless it can be shown no other alternatives are reasonably available.
- Protect stockpile with silt fence installed along toe of slope with a minimum offset of five feet from the toe of stockpile.
- Provide stable stone access point when feasible.
- Stabilize stockpile within the timeframes provided on this sheet and in accordance with the approved plan and any additional requirements. Soil stabilization is defined as vegetative, physical or chemical coverage techniques that will restrain accelerated erosion on disturbed soils for temporary or permanent control needs.



CONCRETE WASHOUTS

- Do not discharge concrete or cement slurry from the site.
- Dispose of, or recycle settled, hardened concrete residue in accordance with local and state solid waste regulations and at an approved facility.
- Manage washout from mortar mixers in accordance with the above item and in addition place the mixer and associated materials on impervious barrier and within lot perimeter silt fence.
- Install temporary concrete washouts per local requirements, where applicable. If an alternate method or product is to be used, contact your approval authority for review and approval. If local standard details are not available, use one of the two types of temporary concrete washouts provided on this detail.
- Do not use concrete washouts for dewatering or storing defective curb or sidewalk sections. Stormwater accumulated within the washout may not be pumped into or discharged to the storm drain system or receiving surface waters. Liquid waste must be pumped out and removed from project.
- Locate washouts at least 50 feet from storm drain inlets and surface waters unless it can be shown that no other alternatives are reasonably available. At a minimum, install protection of storm drain inlet(s) closest to the washout which could receive spills or overflow.
- Locate washouts in an easily accessible area, on level ground and install a stone entrance pad in front of the washout. Additional controls may be required by the approving authority.
- Install at least one sign directing concrete trucks to the washout within the project limits. Post signage on the washout itself to identify this location.
- Remove leavings from the washout when at approximately 75% capacity to limit overflow events. Replace the tarp, sand bags or other temporary structural components when no longer functional. When utilizing alternative or proprietary products, follow manufacturer's instructions.
- At the completion of the concrete work, remove remaining leavings and dispose of in an approved disposal facility. Fill pit, if applicable, and stabilize any disturbance caused by removal of washout.

HERBICIDES, PESTICIDES AND RODENTICIDES

- Store and apply herbicides, pesticides and rodenticides in accordance with label restrictions.
- Store herbicides, pesticides and rodenticides in their original containers with the label, which lists directions for use, ingredients and first aid steps in case of accidental poisoning.
- Do not store herbicides, pesticides and rodenticides in areas where flooding is possible or where they may spill or leak into wells, stormwater drains, ground water or surface water. If a spill occurs, clean area immediately.
- Do not stockpile these materials onsite.

HAZARDOUS AND TOXIC WASTE

- Create designated hazardous waste collection area on-site.
- Place hazardous waste containers under cover or in secondary containment.
- Do not store hazardous chemicals, drums or bagged materials directly on the ground.



NCG01 GROUND STABILIZATION AND MATERIALS HANDLING EFFECTIVE: 04/01/19

PART III SELF-INSPECTION, RECORDKEEPING AND REPORTING

SECTION A: SELF-INSPECTION

Self-inspections are required during normal business hours in accordance with the table below. When adverse weather or site conditions would cause the safety of the inspection personnel to be in jeopardy, the inspection may be delayed until the next business day on which it is safe to perform the inspection. In addition, when a storm event of equal to or greater than 1.0 inch occurs outside of normal business hours, the self-inspection shall be performed upon the commencement of the next business day. Any time when inspectors were delayed shall be noted in the Inspection Record.

Inspect	Frequency (during normal business hours)	Inspection records must include:
(1) Rain gauge maintenance (if good working order)	Daily	Daily rainfall amounts. If no daily rain gauge observations are made during weekend or holiday periods, and no individual day rainfall information is available, record the cumulative rain measurement for those unattended days (note this will determine if a site inspection is needed). Days in which no rainfall occurred shall be recorded as "zero". The permittee may use another rain-measuring device approved by the Division.
(2) E&S Measures	At least once per 7 calendar days and within 24 hours of a rain event ≥ 1.0 inch in 24 hours	1. Identification of the measures inspected. 2. Date and time of the inspection. 3. Name of the person performing the inspection. 4. Indicator of whether the measures were operating properly. 5. Description of maintenance needs for the measures.
(3) Stormwater discharge outfalls (DOCs)	At least once per 7 calendar days and within 24 hours of a rain event ≥ 1.0 inch in 24 hours	1. Identification of the discharge outfalls inspected. 2. Date and time of the inspection. 3. Description, evidence, and date of corrective actions taken.
(4) Perimeter of site	At least once per 7 calendar days and within 24 hours of a rain event ≥ 1.0 inch in 24 hours	1. Identification of the perimeter inspected. 2. Date and time of the inspection. 3. Name of the person performing the inspection. 4. Evidence of indicator of stormwater pollution such as oil shov, heaving or suspended solids or discoloration. 5. Description, evidence, and date of corrective actions taken.
(5) Streams or wetlands onsite or effluents (where applicable)	At least once per 7 calendar days and within 24 hours of a rain event ≥ 1.0 inch in 24 hours	1. Evidence of sedimentation or silt build-up outside the limits, then a record of the following shall be made: a. Actions taken to clean up or stabilize the sediment that has left the site limits. b. Description, evidence, and date of corrective actions taken, and c. An explanation as to the actions taken to restore future viability. If the stream or wetland has increased visible sedimentation or a stream has visible increased turbidity from the construction activity, then a record of the following shall be made: 1. Description, evidence and date of corrective actions taken, and 2. Records of the required reports to the appropriate Division/Regional Office per Part I, Section C, Item (2)(g) of this permit.
(6) Ground stabilization measures	After each phase of grading	1. The phase of grading (installation of perimeter E&S measures, clearing and grubbing, installation of storm drainage facilities, completion of all land-disturbing activity, construction or re-sodding, permanent ground cover). 2. Documentation that the required ground stabilization measures have been provided within the required timeframes or an assurance that they will be provided as soon as possible.

NOTE: The rain inspection resets the required 7 calendar day inspection requirement.

PART III SELF-INSPECTION, RECORDKEEPING AND REPORTING

SECTION B: RECORDKEEPING

1. E&S Plan Documentation

The approved E&S plan as well as any approved deviation shall be kept on the site. The approved E&S plan must be kept up-to-date throughout the coverage under this permit. The following items pertaining to the E&S plan shall be kept on site and available for inspection at all times during normal business hours.

Item to Document	Documentation Requirements
(a) Each E&S measure has been installed and does not significantly deviate from the locations, dimensions and relative elevations shown on the approved E&S plan.	Initial and date each E&S measure on a copy of the approved E&S plan or complete, date and sign an inspection report that lists each E&S measure shown on the approved E&S plan. This documentation is required upon the initial installation of the E&S measures or if the E&S measures are modified after initial installation.
(b) A phase of grading has been completed.	Initial and date a copy of the approved E&S plan or complete, date and sign an inspection report to indicate completion of the construction phase.
(c) Ground cover is located and installed in accordance with the approved E&S plan.	Initial and date a copy of the approved E&S plan or complete, date and sign an inspection report to indicate compliance with approved ground cover specifications.
(d) The maintenance and repair requirements for all E&S measures have been performed.	Complete, date and sign an inspection report.

2. Additional Documentation to be Kept on Site

In addition to the E&S plan documents above, the following items shall be kept on the site and available for inspectors at all times during normal business hours, unless the Division provides a site-specific exemption based on unique site conditions that make this requirement not practical:

- This General Permit as well as the Certificate of Coverage, after it is received.
- Records of inspections made during the previous twelve months. The permittee shall record the required observations on the Inspection Record Form provided by the Division or a similar inspection form that includes all the required elements. Use of electronically-available records in lieu of the required paper copies will be allowed if shown to provide equal access and utility as the hard-copy records.

3. Documentation to be Retained for Three Years

All data used to complete the E&S and all inspection records shall be maintained for a period of three years after project completion and made available upon request. (40 CFR 122.41)

PART II, SECTION G, ITEM (4) DRAIN DOWN OF SEDIMENT BASINS FOR MAINTENANCE ON CLOSE OUT

Sediment basins and traps that receive runoff from drainage areas of one acre or more shall use outlet structures that withdraw water from the surface when these devices need to be drawn down for maintenance or close out unless this is infeasible. The circumstances in which it is not feasible to withdraw water from the surface shall be rare (for example, times with extended cold weather). Non-surface withdrawals from sediment basins shall be allowed only when all of the following criteria have been met:

- The E&S plan authority has been provided with documentation of the non-surface withdrawal and the specific time periods or conditions in which it will occur. The non-surface withdrawal shall not commence until the E&S plan authority has approved these items.
- The non-surface withdrawal has been reported as an anticipated bypass in accordance with Part III, Section C, Item (2)(c) and (d) of this permit.
- Dewatering discharges are treated with controls to minimize discharges of pollutants from stormwater that is removed from the sediment basin. Examples of appropriate controls include properly sited, designed and maintained dewatering tanks, wet tanks, and filtration systems.
- Vegetated, upland areas of the site or a properly designed stone pad is used to the extent feasible at the outlet of the dewatering treatment devices described in item (c) above.
- Velocity dissipation devices such as check dams, sediment traps, and riprap are provided at the discharge points of all dewatering devices, and
- Sediment removed from the dewatering treatment devices described in item (c) above is disposed of in a manner that does not cause deposition of sediment into waters of the United States.

NCG01 SELF-INSPECTION, RECORDKEEPING AND REPORTING



EFFECTIVE: 04/01/19

...Becoming the Leading Designer of High Performance Facilities in the Nation with a Specialty in Alternative Delivery Methods

333 Fayetteville St., Ste 225
Raleigh, NC 27601
P: 919-273-4399
F: 919-273-4395
www.sfi+a.biz

sfi+a
ARCHITECTS

TIMMONS GROUP
YOUR VISION ACHIEVED THROUGH OURS.

THE QUALITY DELIVERED BY THE TIMMONS OFFICE

5410 Travis Road, Suite 100
Raleigh, NC 27617
Phone: 919-889-6242
Fax: 919-889-6403
www.timmons.com
North Carolina License No. C-1552
The Real Estate Broker/Real Estate Consultant/Equal Opportunity

Harnett County Schools

LILLINGTON-SHAWTOWN ELEMENTARY ADDITION

855 Old US Highway 421
Lillington, NC 27546



No.	Date	Description

ISSUE DATE: 07-26-24
PROJECT #: 63407
DRAWN BY: SC
CHECKED BY: WA
© 2024 Sfi.+a Architects, PA
All Rights Reserved

NOTES AND DETAILS

C5.4