

REQUEST FOR COMMITTEE ACTION
HENDERSON COUNTY
TECHNICAL REVIEW COMMITTEE

MEETING: January 6, 2025

SUBJECT: Major Site Plan Review Shealy Auto

PRESENTER: Matt Champion, Zoning Administrator

ATTACHMENTS: Staff Report

SUMMARY OF REQUEST: SR 6.2 Automobile and Equipment Service

Suggested Motion: I move that the TRC approve/deny the major site plan for Shealy Auto



Henderson County, North Carolina Code Enforcement Services

1. Committee Request

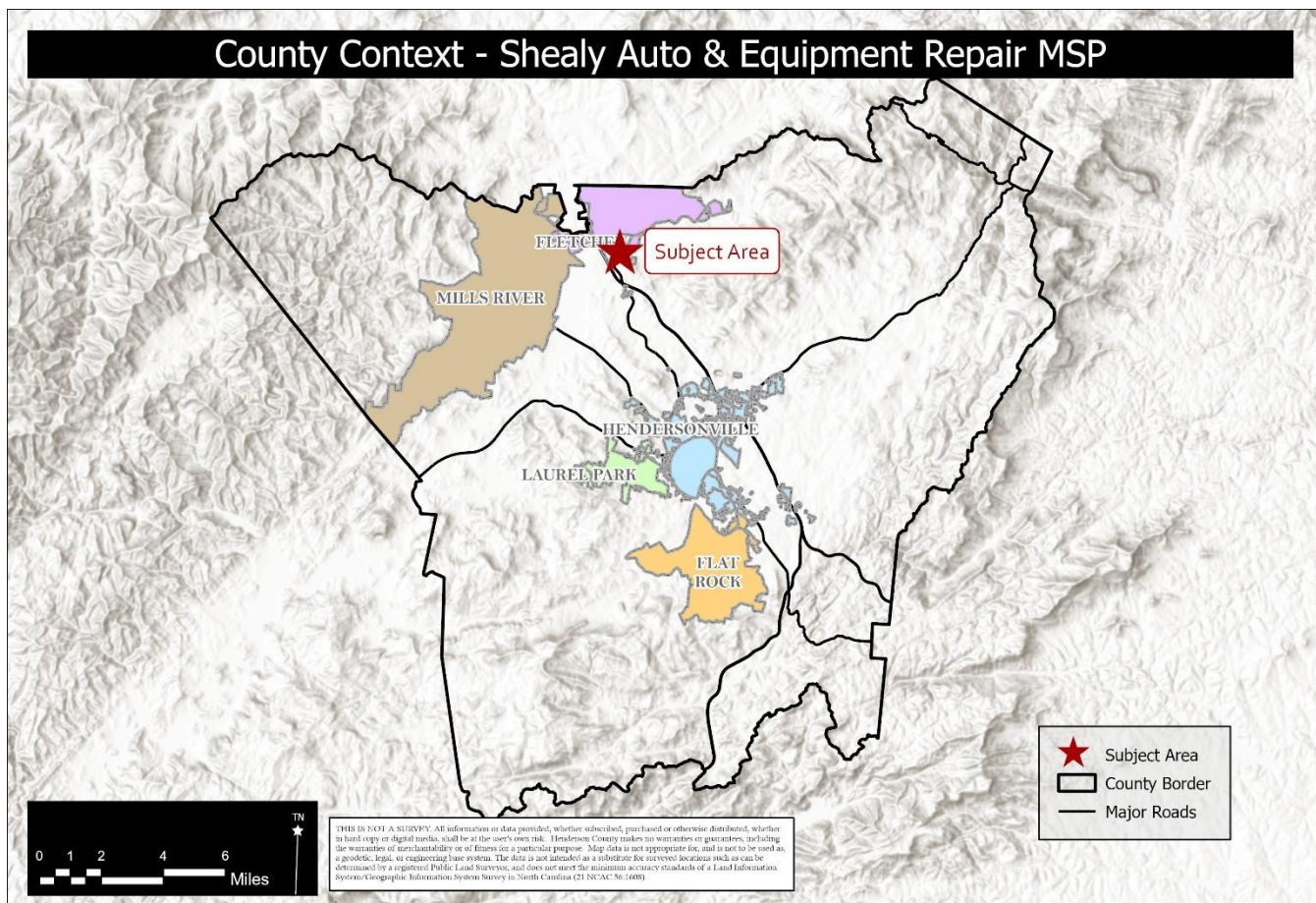
- 1.1. **Applicant:** Nicholas Bowman – Davis CivilSolutions, PA
- 1.2. **Property Owner(s):** B&K Properties of Columbia, LLC – Carl Shealy
- 1.3. **Request:** Major Site Plan Approval
- 1.4. **PINs:** 9652-33-7960
- 1.5. **Size:** 5.08 acres +/-
- 1.6. **Location:** The subject area is at 116 Old Johnson Farm Rd (SR 1495)
- 1.7. **Supplemental Requirements:**

SR 6.2. *Automobile and Equipment Service*

1. Site Plan. Major *Site Plan* required in accordance with §42-331 (Major Site Plan Review).
2. Lighting. *Adequate lighting* shall be placed in areas used for vehicular/pedestrian access including, but not limited to: stairs, sidewalks, crosswalks, intersections, or changes in grade. *Lighting mitigation* required.
3. Separation. An *automobile and equipment service* shall not be constructed or newly located within 50 feet of an existing *dwelling unit* (located in a *residential zoning district* and not located on the same property as the *use*), *school*, *library*, day care facility, healthcare facility, *park*, and/or *religious institution*.
4. Operations. Auto inspection stations and tire recapping shall be permitted as *accessory uses* provided each is conducted within an enclosed *structure* and that neither is the principal business.

Automobile and Equipment Service. An establishment primarily engaged in providing service to automobiles and equipment. An automobile and equipment service may include auto inspection stations and/or tire recapping as *accessory uses* provided each is conducted within an enclosed *structure* and that neither is the principal business.

Map A: County Context



Property Owners: B&K Properties of Columbia, LLC (Carl Shealy)

Applicant: Nicholas Bowamn (Davis CivilSolutions, PA)

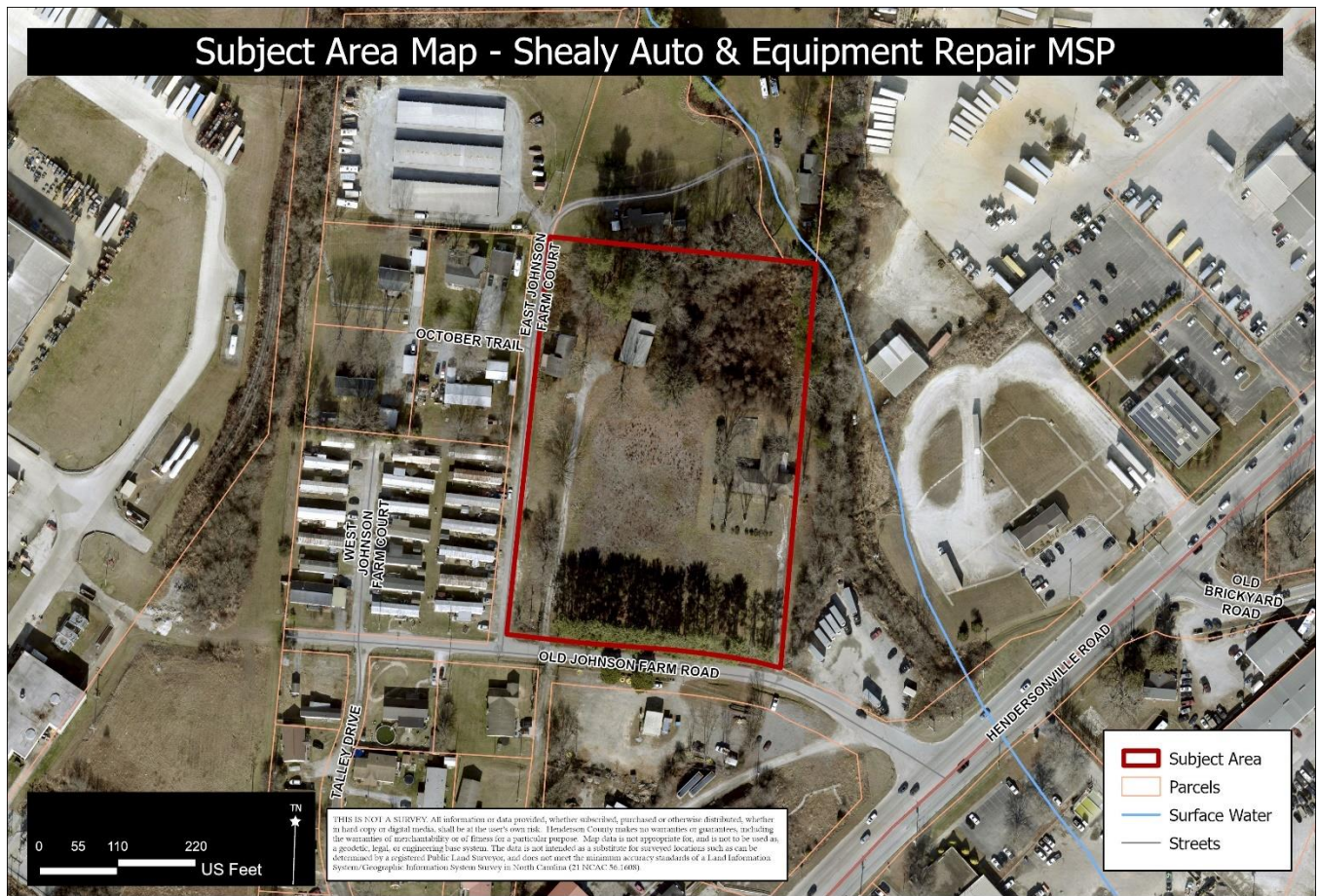
Assessed Acreage: 5.08 Acres PIN: 9652-33-7960 Zoning: Local Commercial (LC)



2. History & Characteristics:

- 2.1. **Current Property Owners:** B&K Properties of Columbia, LLC purchased the property on May 20, 2024.
- 2.2. **Former Property Owners:** Cu-Di-Mar, LLC was listed as the former property owner.
- 2.3. **Natural Resources:**
 - 2.3.1. **Streams:** According to the USGS, the subject area does contain one surface water sources across the northeastern portion of the property. According to the NCDEQ Water Resources Division, the subject area does not contain surface water sources.
 - 2.3.2. **Slopes:** 99.91% of the subject area contains slopes between 0% and 16%. 0.09% of the subject area contains slopes between 16% and 25%.

Map B: Aerial Map



Property Owners: B&K Properties of Columbia, LLC (Carl Shealy)

Applicant: Nicholas Bowamn (Davis CivilSolutions, PA)

Assessed Acreage: 5.08 Acres PIN: 9652-33-7960 Zoning: Local Commercial (LC)



3. Current Conditions

3.1 Current Use: The subject area currently contains three residential single-family structures all constructed between 1940 and 1962. All three structures total 3,828SQFT and are accessed off Old Johnson Farm Rd.

3.2 Adjacent Area Uses: The surrounding properties consist of commercial, residential, and industrial uses. Johnson Farm Ct MHP found west of the subject area across E Johnson Farm Ct. Cummins-Meritor warehouse is located west of the subject area. Carolina Mulch Plus is located south of the subject area.

4. Current Zoning

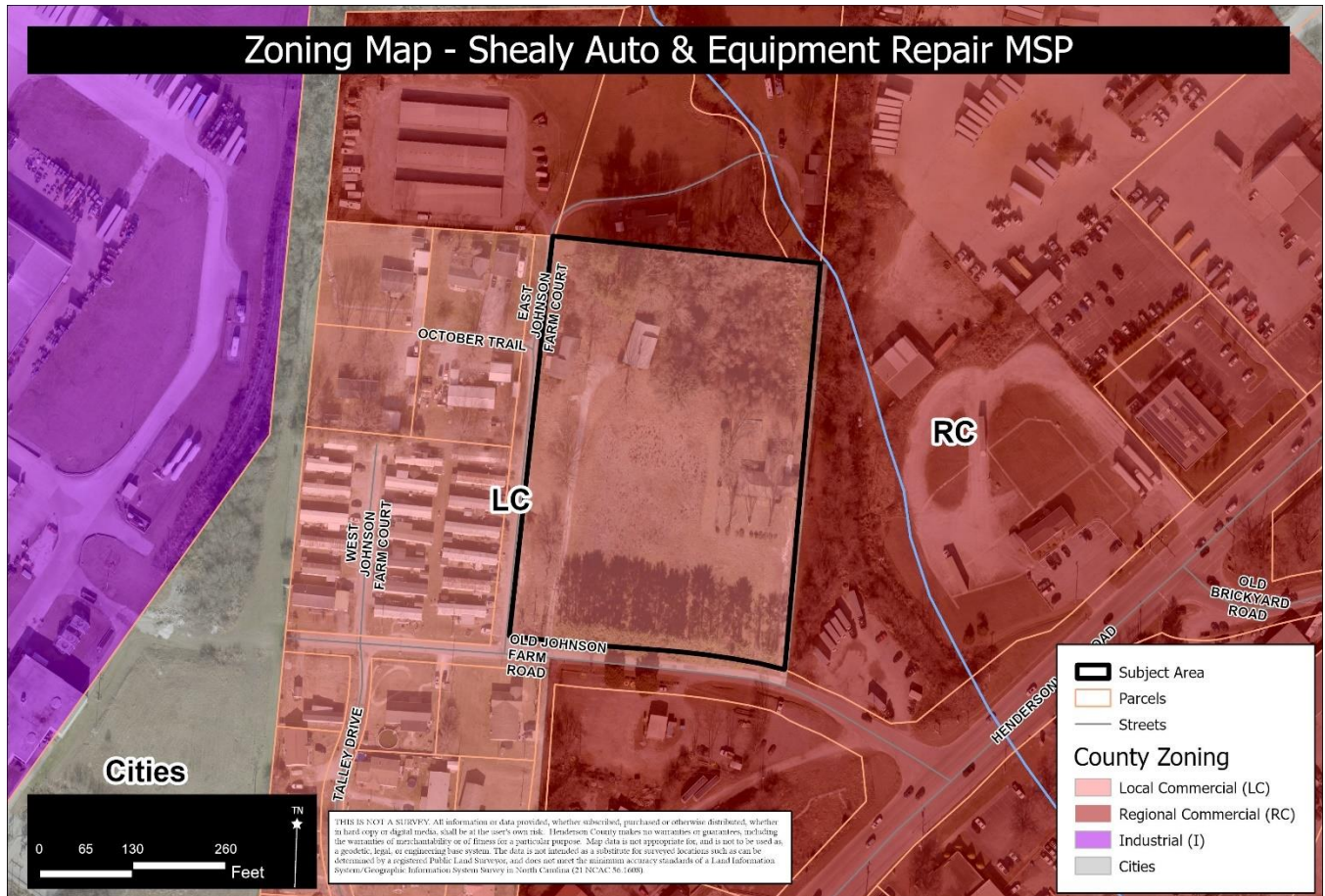
4.1. **Subject Area Zoning:** The subject area is currently zoned Local Commercial (LC) by Henderson County.

4.2. **Adjacent Area Zoning:** The subject area is surrounded by properties that are also zoned Local Commercial (LC) to the west and southwest. Regional Commercial (RC) is found north, east, south, and southeast of the subject area.

4.2.1. Local Commercial (LC): “The purpose of the Local Commercial District (LC) is to foster orderly growth where the *principal use* of land is commercial and residential.

The intent of this district is to allow for *commercial development uses* and *residential development* that: (1) includes a variety of retail sales and services, public and private administrations, offices and all other *uses* done primarily for sale or profit on a local or *neighborhood* scale; (2) is compatible with adjacent development and the surrounding community; and (3) will minimize congestion and sprawl. (LDC §42-22).

Map C: Current Zoning



Property Owners: B&K Properties of Columbia, LLC (Carl Shealy)
 Applicant: Nicholas Bowamn (Davis CivilSolutions, PA)
 Assessed Acreage: 5.08 Acres PIN: 9652-33-7960 Zoning: Local Commercial (LC)



5. **Floodplain /Watershed Protection** The property is not located in a Special Flood Hazard Area. The property is not in a Water Supply Watershed district.

Map D: Utilities Map



Property Owners: B&K Properties of Columbia, LLC (Carl Shealy)

Applicant: Nicholas Bowamn (Davis CivilSolutions, PA)

Assessed Acreage: 5.08 Acres PIN: 9652-33-7960 Zoning: Local Commercial (LC)

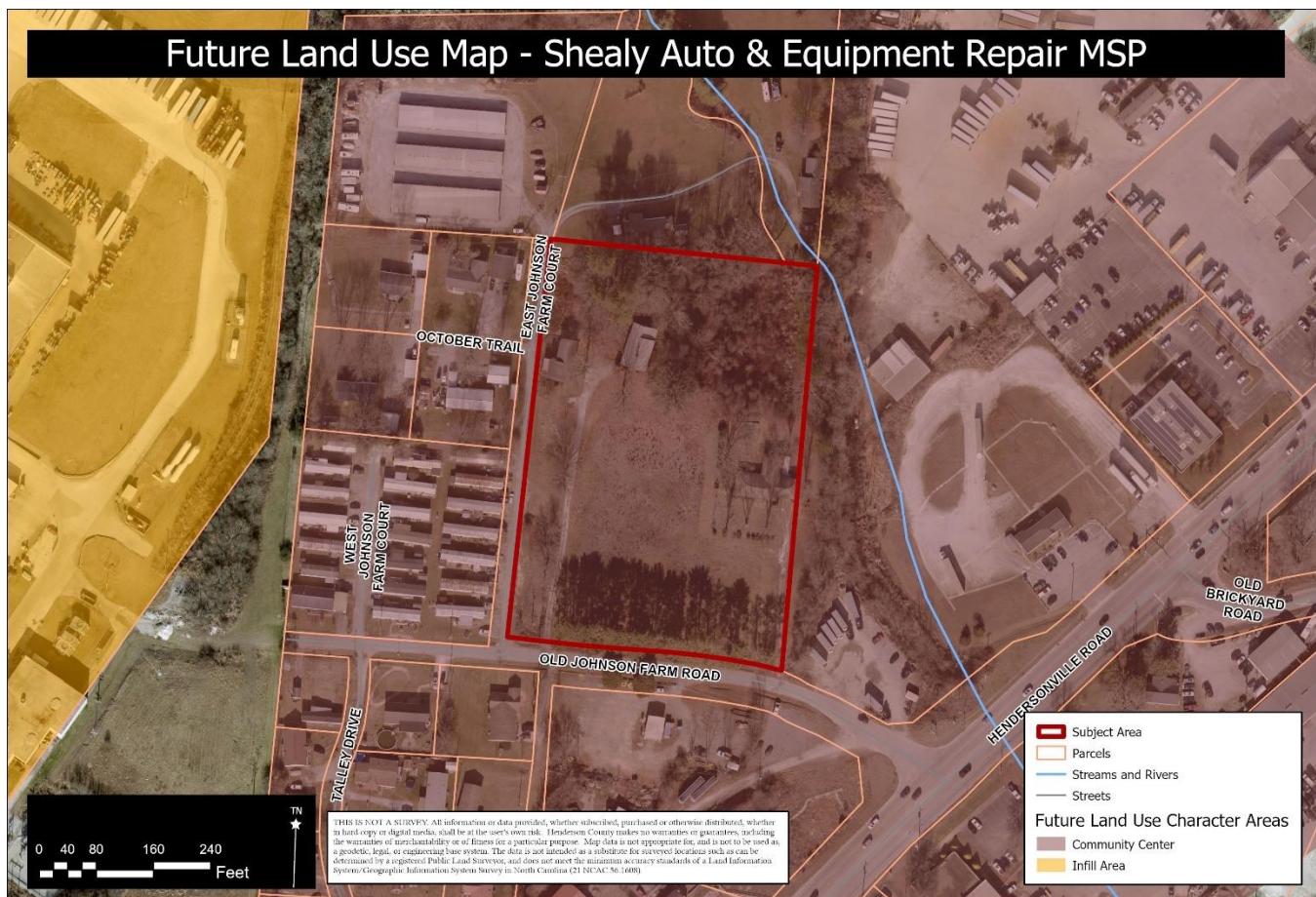


6. **Water and Sewer** The applicant is proposing connection to the City of Hendersonville public water and MSD public sewer to serve this property.

Public Water: Yes

Public Sewer: Yes

Map E: 2045 Future Land Use Map



Property Owners: B&K Properties of Columbia, LLC (Carl Shealy)
 Applicant: Nicholas Bowamn (Davis CivilSolutions, PA)
 Assessed Acreage: 5.08 Acres PIN: 9652-33-7960 Zoning: Local Commercial (LC)



7. **2045 Comprehensive Plan Compatibility** The 2045 Comprehensive Plan Future Land Use Map identifies the subject area as being in a Community Center character area (See Map E).

7.1. **Employment and Industry:** From Part 2 page 46, “Community Centers are larger commercial nodes that serve broader geographic areas than Neighborhood Anchors. These areas typically have higher concentrations of nonresidential uses and commercial services that contribute to the tax base. *However, mixed-use development is also encouraged, especially to offer multi-story units* that provide commercial use on the bottom and residential units or office space above.” (The proposed use fits within the defined uses for the Community Center character area)

7.1.1. **Where:** Typically found at intersections of State Roads or thoroughfares in areas near residential development that can be served by the commercial uses.

7.1.2. **Uses:** Medium to large-scale retail, services, restaurants, some offices, businesses, light industry, and institutional uses. Mix of housing including single-family homes, townhomes, and apartments.

7.1.3. **Utility Access:** Typically served by water and potentially sewer.

8. **Proposal** The applicant is proposing to develop the subject area with a new 19,700SQFT single-story structure for automobile and equipment repair. The new structure will include 74 total parking spaces including 1 ADA accessible parking space. The structure will also include multiple bays to access the garage area. The primary access to the site will be off Old Johnson Farm Rd (SR 1495) through two forms on ingress and egress. Each entrance to the subject area is shown as 30' wide drive isles. The major site plan shows a solid waste collection facility on a thick concrete dumpster pad. The structure will be surrounded by a concrete apron with 5' wide sidewalks. The major site plan shows pre-development impervious surfaces at 5.91% or 0.30-acres and post-development impervious surfaces at 60.13% or 3.06-acres.
9. **Landscaping & Buffering Requirements** The subject area will have to provide a landscaping plan for the following elements:
- 9.1. **Parking area landscaping** is required for new parking areas with 10 or more dedicated parking spaces. The parking area standards requires 1 small or large deciduous tree for every 5 parking spaces. Additionally, when no buffer is required along the property lines and parking is proposed within 20' of a property line, a planting strip is required. The planting strip is a minimum of 10' in width and shall contain 2 small or large deciduous or evergreen trees per 100 linear feet.
 - 9.2. **Dumpster screening** is required for a proposed solid waste collection facility. The dumpster will require a Screen Class One (1) Two (2) or Three (3) that are outlined in Section 42-181 Screen Classifications.

10. **Oblique Aerial Photos**

View from East



View from North



View from South



View from West



01/11/2024

HENDERSON COUNTY
MAJOR SITE PLAN REVIEW APPLICATION

CONTACT INFORMATION

Property Owner:

Name: B&K Properties of Columbia, LLC - Carl Shealy Phone: 864.968.1177

Complete Address: 1340 Bluff Road, Columbia, SC 29201

Applicant:

Name: Nicholas Bowman - Davis CivilSolutions, PA Phone: 828.299.9449

Complete Address: 135-A Charlotte Highway, Asheville, NC 28803

Agent:

Name: _____ Phone: _____

Complete Address: _____

Agent Form (Circle One): Yes No

Plan Preparer:

Name: Nicholas Bowman - Davis CivilSolutions, PA Phone: 828.299.9449

Complete Address: 135-A Charlotte Highway, Asheville, NC 28803

GENERAL INFORMATION

Date of Application: November 18, 2024

Site Plan Attached (Circle One): ☒ Yes No

PARCEL INFORMATION

PIN: 9652-33-7960

Tract Size (Acres): 5.08 AC

Zoning District: LC

Fire District: Fletcher

Supplemental Requirement# N/A

Watershed: No

Permitted by Right Yes

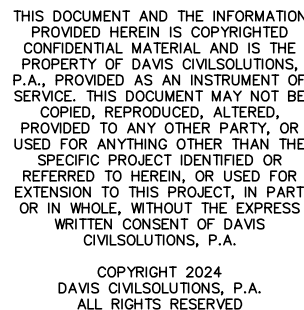
Floodplain: No

Special Use Permit N/A

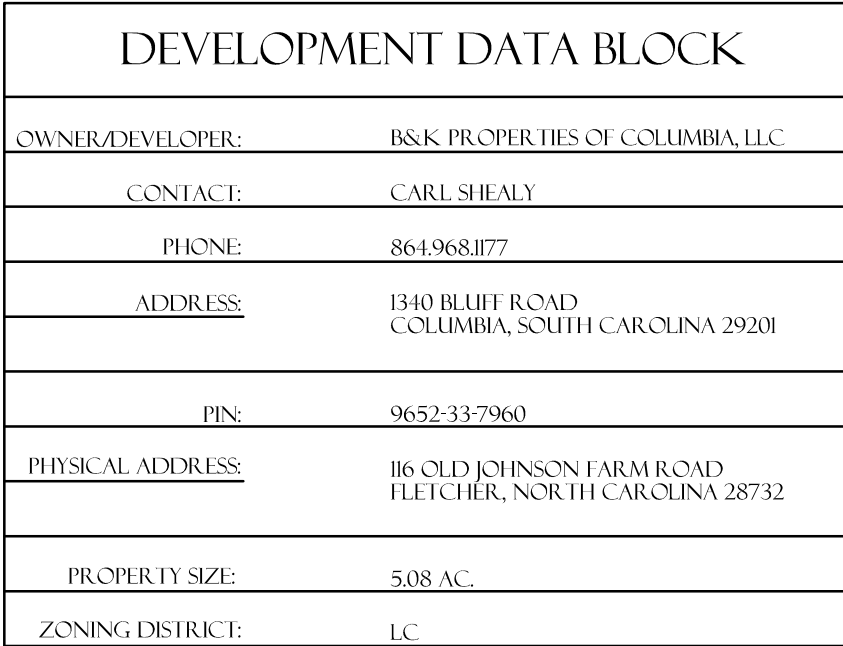
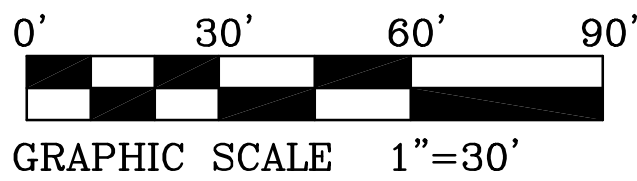
Location / Property to be developed: 116 Old Johnson Farm Road, Fletcher, NC 28732

County Use Only

Fee: \$ _____ Paid: _____ Method: _____ Received by: _____



LINE	BEARING	DISTANCE
L1	N 82°39'01" W	88.39'
L2	N 83°15'16" W	27.74'
L3	N 83°42'13" W	67.20'
L4	N 83°34'35" W	83.96'
L5	N 84°17'11" W	56.83'
L6	N 84°29'33" W	65.42'



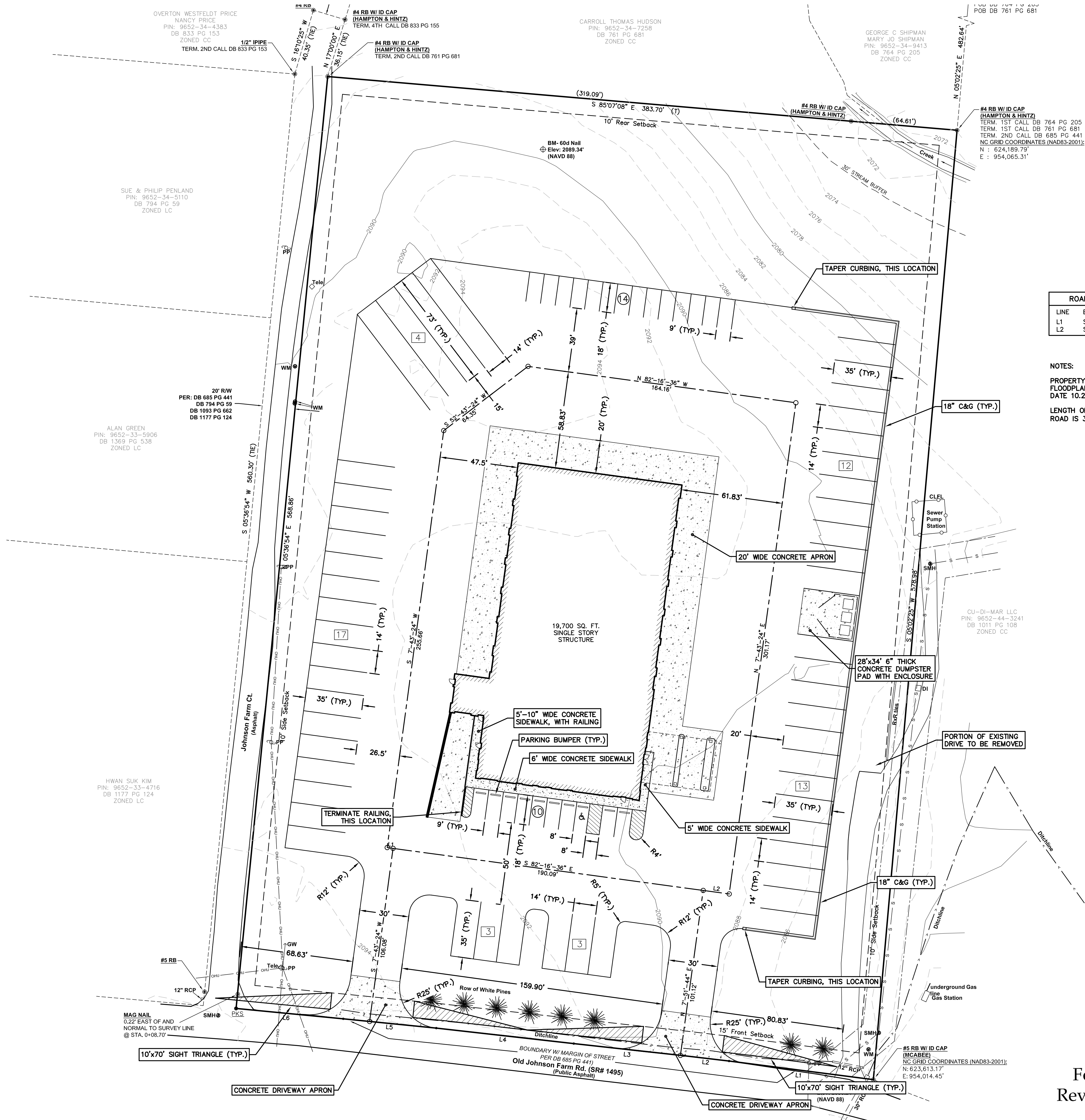
LINE	BEARING	DISTANCE
L1	N 82°39'01" W	88.39'
L2	N 83°15'16" W	27.74'
L3	N 83°42'13" W	67.20'
L4	N 83°34'35" W	83.96'
L5	N 84°17'11" W	56.83'
L6	N 84°29'33" W	65.42'

SHEET TITLE
Existing Conditions

(828) 253-8265

Copyright 2021 Fisher Architects, PA

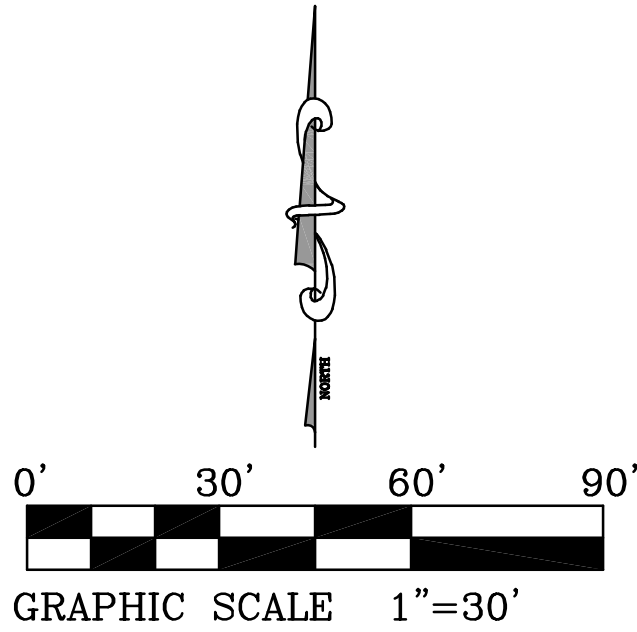
116 Old Johnson Farm Road, Fletcher, North Carolina



ROADWAY CENTERLINE DATA		
LINE	BEARING	DISTANCE
L1	S 82°-16'-36" E	3.62'
L2	S 82°-16'-36" E	15.96'

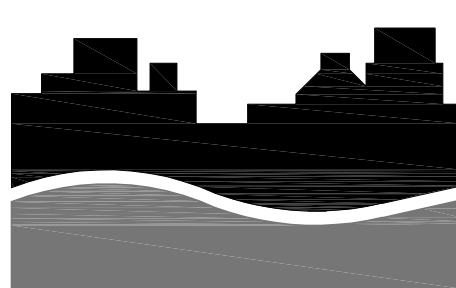
NOTES:
PROPERTY IS NOT LOCATED WITHIN 100-YEAR REGULATORY FLOODPLAIN, PER FEMA MAP# 37009652004, EFFECTIVE DATE 10.2.2008.
LENGTH OF ROAD FRONTAGE ALONG OLD JOHNSON FARM ROAD IS 389.53'.

LINE TABLE		
LINE	BEARING	DISTANCE
L1	N 82°39'01" W	58.39'
L2	N 83°15'16" W	27.74'
L3	N 83°42'13" W	67.20'
L4	N 83°34'35" W	83.96'
L5	N 84°17'11" W	56.83'
L6	N 84°29'33" W	65.42'

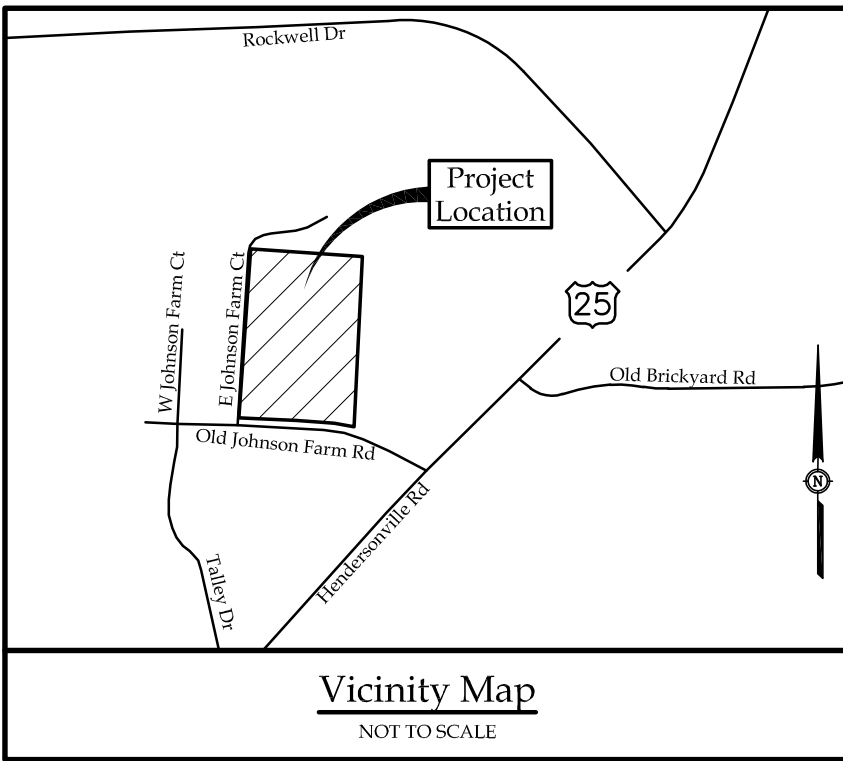


For Review

THIS DOCUMENT AND THE INFORMATION PROVIDED HEREIN IS UNWRITTEN PROPERTY OF DAVIS CIVILSOLUTIONS, P.A. PROVIDED AS AN INSTRUMENT OF SERVICE. THIS DOCUMENT MAY NOT BE COPIED, REPRODUCED, ALTERED, PROVIDED TO ANY OTHER PARTY, OR USED FOR ANYTHING OTHER THAN THE SPECIFIC PROJECT IDENTIFIED OR REFERRED TO HEREIN, OR USED FOR EXTENSION TO THIS PROJECT, IN PART OR IN WHOLE, WITHOUT THE EXPRESS WRITTEN CONSENT OF DAVIS CIVILSOLUTIONS, P.A.
COPYRIGHT 2024
DAVIS CIVILSOLUTIONS, P.A.
ALL RIGHTS RESERVED



DCS PROJECT NO.: 24126
Davis CivilSolutions, PA
Site/Infrastructure Engineering/Planning
135-A Charlotte Highway • Asheville, North Carolina 28803
828.299.9449 PH • www.daviscivilsolutions.com • License No.: C-2580



DEVELOPMENT DATA BLOCK	
OWNER/DEVELOPER:	BS&K PROPERTIES OF COLUMBIA, LLC
CONTACT:	CARL SHEALY
PHONE:	864.968.077
ADDRESS:	1340 BLUFF ROAD COLUMBIA, SOUTH CAROLINA 29201
PIN:	9652-33-7960
PHYSICAL ADDRESS:	116 OLD JOHNSON FARM ROAD FLETCHER, NORTH CAROLINA 28732
PROPERTY SIZE:	5.08 AC.
ZONING DISTRICT:	LC
SETBACKS:	FRONT 15', SIDE 10', REAR 10'
PROPOSED USE:	AUTOMOBILE AND EQUIPMENT SERVICE
PARKING SPACE CALCULATIONS:	
COMMERCIAL, OFFICE, INSTITUTIONAL, CIVIC	
1 SPACE PER 500 SF GROSS FLOOR AREA	
FLOOR AREA = 3,700 SF (EXCLUSIVE OF GARAGE BAY AREAS)	
3,700 / 500 = 7.4	
7.4 X 1 = 7.4 ≈ 7	
TOTAL PARKING SPACES REQUIRED:	
7 SPACES	
TOTAL PARKING SPACES PROVIDED:	
24 PARKING SPACES	
OF THOSE, 1 VAN ACCESSIBLE HANDICAPPED	
HANDICAPPED PARKING SPACES REQUIRED:	
PER NC BUILDING CODE	
1:25 = 1	
1 SPACE PER 8 SPACES SHALL BE VAN ACCESSIBLE	

REVISIONS

FISHER
Fisher Architects, PA
351 Merrimon Avenue
Asheville, NC 28801
Copyright 2021 Fisher Architects, PA

Site Development for
Shealy Trucking Center - WNC
Old Johnson Farm Road

SHEET TITLE

Layout

DATE 11-13-2024

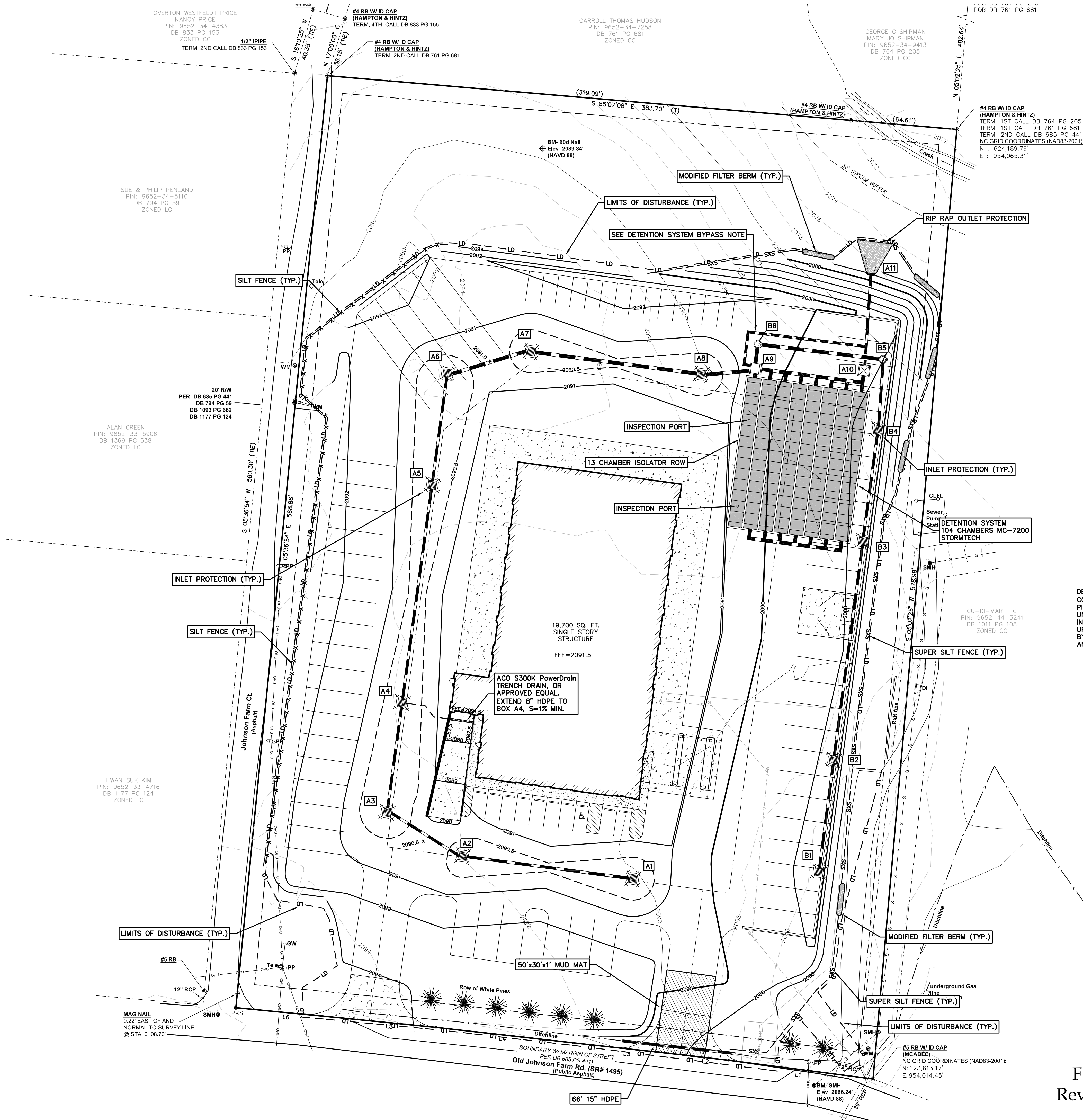
JOB NO.

24108

116 Old Johnson Farm Road, Fletcher, North Carolina

(828) 253-8265

C2



STORM DRAINAGE STRUCTURE SCHEDULE

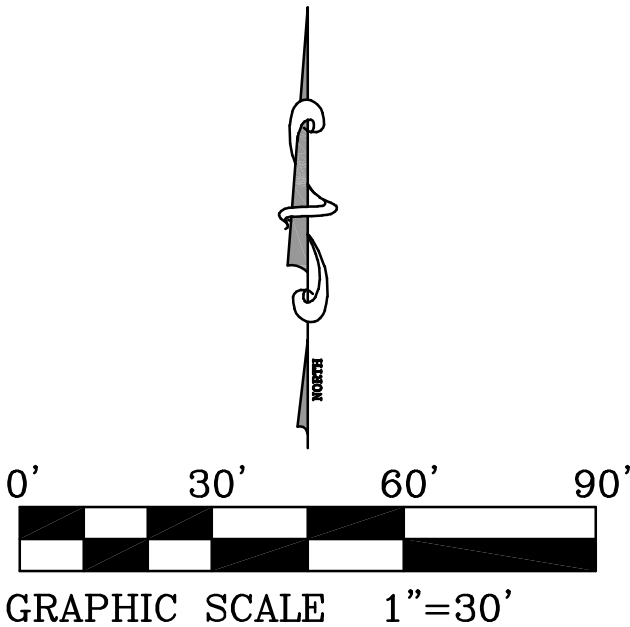
DRAINAGE STRUCTURE	TYPE	TOP ELEVATION	INV. ELEV.
A1	DROP INLET	2090.0	2086.0
A2	DROP INLET	2090.0	2085.0
A3	DROP INLET	2090.0	2084.5
A4	DROP INLET	2090.0	2084.0
A5	DROP INLET	2090.0	2082.5
A6	DROP INLET	2090.0	2081.5
A7	DROP INLET	2090.0	2081.0
A8	DROP INLET	2090.0	2080.0
A9	DIVERSION BOX	2090.6	2077.75
A10	DETENTION CONTROL BOX	2088.3	2077.0
A11	OUTLET	----	2076.0
B1	CURB INLET	2087.5	2083.0
B2	CURB INLET	2087.7	2082.5
B3	CURB INLET	2087.7	2081.0
B4	CURB INLET	2087.5	2080.0
B5	JUNCTION BOX	2088.0	2079.5
B6	JUNCTION BOX	2090.6	2078.8

STORM DRAINAGE PIPE SCHEDULE

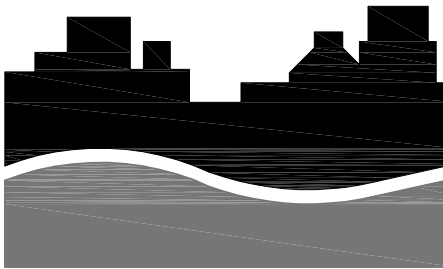
PIPE	MATERIAL	LENGTH (FT)	SIZE (IN)	SLOPE
A1-A2	HDPP	99 LF	18"	0.0101
A2-A3	HDPP	48 LF	18"	0.0104
A3-A4	HDPP	62 LF	18"	0.0081
A4-A5	HDPP	129 LF	18"	0.0116
A5-A6	HDPP	63 LF	18"	0.0158
A6-A7	HDPP	48 LF	24"	0.0104
A7-A8	HDPP	99 LF	24"	0.0101
A8-A9	HDPP	28 LF	24"	0.0803
A10-A11	HDPP	62 LF	18"	0.0161
B1-B2	HDPP	63 LF	18"	0.0079
B2-B3	HDPP	129 LF	18"	0.0116
B3-B4	HDPP	63 LF	18"	0.0158
B4-B5	HDPP	39 LF	18"	0.0128
B5-B6	HDPP	72 LF	24"	0.0097
B6-A9	HDPP	9 LF	24"	0.1166

DETENTION SYSTEM BYPASS NOTE:
CONTRACTOR SHALL INSTALL TEMPORARY 18" HDPP BYPASS PIPE, WITH FITTINGS, FROM BOX A9 TO STORM WATER PIPING UNTIL SITE IS STABILIZED. A TEMPORARY WEIR SHALL BE INSTALLED IN BOX A9 TO ENSURE FLOW THROUGH BYPASS LINE. UPON SITE STABILIZATION, CONTRACTOR SHALL PLUG THE BYPASS CONNECTION AT BOX A9, REMOVE TEMPORARY WEIR, AND THE BYPASS LINE SHALL BE ABANDONED IN PLACE.

LINE TABLE		
LINE	BEARING	DISTANCE
L1	N 82°39'01" W	88.39'
L2	N 83°15'16" W	27.74'
L3	N 83°42'13" W	67.20'
L4	N 83°34'35" W	83.96'
L5	N 84°17'11" W	56.83'
L6	N 84°29'33" W	65.42'



For Review



DCS PROJECT NO.: 24126
Davis CivilSolutions, PA
Site/Infrastructure Engineering/Planning
135-A Charlotte Highway • Asheville, North Carolina 28803
828.299.9449 PH • www.daviscivilsolutions.com • License No.: C-2580

REVISIONS

Vicinity Map

NOT TO SCALE

DEVELOPMENT DATA BLOCK

OWNER/DEVELOPER:	BS&K PROPERTIES OF COLUMBIA, LLC
CONTACT:	CARL SHEALY
PHONE:	864.968.0077
ADDRESS:	1340 BLUFF ROAD COLUMBIA, SOUTH CAROLINA 29201
PIN:	9652-33-7960
PHYSICAL ADDRESS:	116 OLD JOHNSON FARM ROAD FLETCHER, NORTH CAROLINA 28732

PROPERTY SIZE:	5.08 AC.
ZONING DISTRICT:	LC

PERVIOUS AREAS:	PRE DEVELOPMENT: IMPERVIOUS AREA = 13,074.34 SQ. FT. (0.30 AC.) % SITE IMPERVIOUS = 5.99% PERVIOUS AREA = 208,315.99 SQ. FT. (4.78 AC.) % SITE PERVIOUS = 94.00% POST DEVELOPMENT: IMPERVIOUS AREA = 133,217.75 SQ. FT. (3.06 AC.) % SITE IMPERVIOUS = 60.13% PERVIOUS AREA = 88,268.58 SQ. FT. (2.03 AC.) % SITE PERVIOUS = 39.87% INCREASE/DECREASE: INCREASE AREAS = 120,047.41 SQ. FT. (2.76 AC.) % INCREASE = 54.22%
-----------------	---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

LAND DISTURBANCE:	164,287.24 SQ. FT. (3.77 AC.)
SOIL TYPES:	81.1% BaB, 18.9% BaC
VOLUMES:	FILL: 3960 CU. YD. CUT: 4,303 CU. YD.

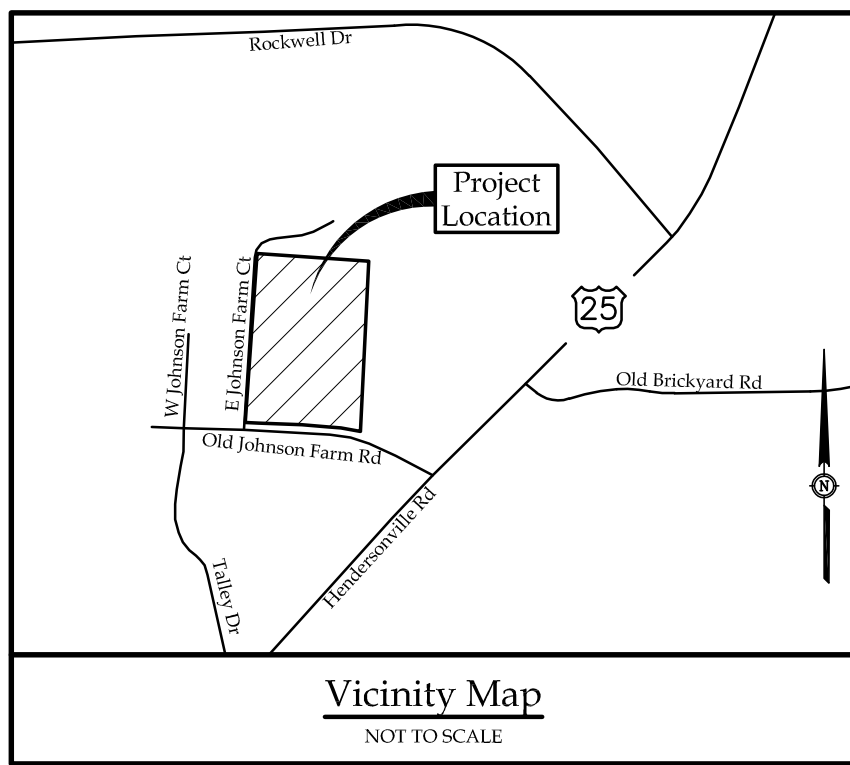
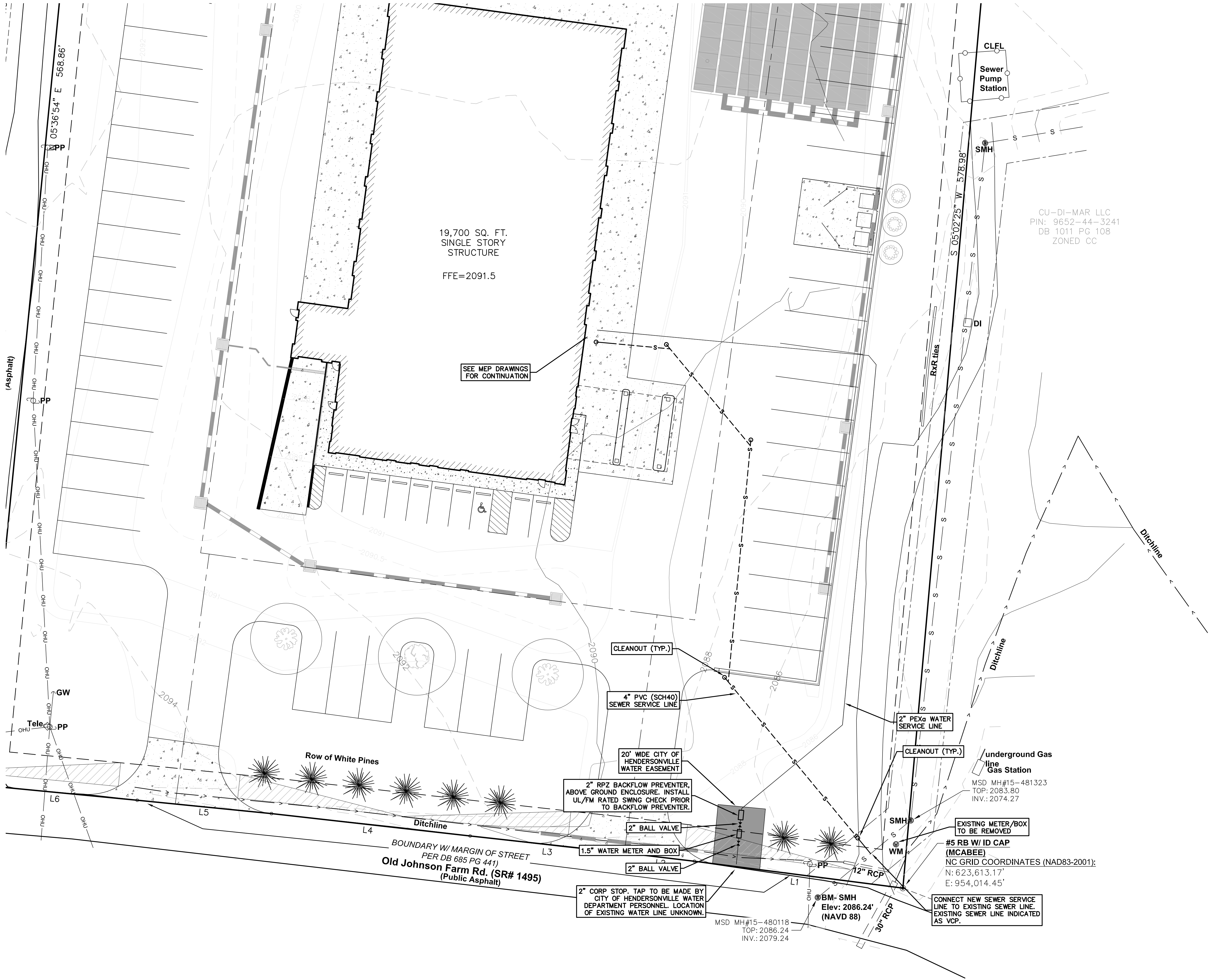
THESE NUMBERS ARE RAW NUMBERS AND ARE PROVIDED ONLY FOR THE GENERAL ESTIMATION OF THE MAGNITUDE OF THE PROJECT. THEY DO NOT TAKE INTO ACCOUNT REMOVAL OF TOPSOIL, UNSUITABLE SOILS, ROCK, DEBRIS, ETC. NOR DO THEY TAKE INTO ACCOUNT PROPER COMPACTION OF FILL MATERIAL. THE CONTRACTOR SHALL MAKE HIS OWN DETERMINATION OF EARTHWORK QUANTITIES BASED ON THE INFORMATION PROVIDED. THE VOLUMES LISTED SHALL NOT BE CONSIDERED ACTUAL ESTIMATED FOR THE WORK OF THE PROJECT.

FISHER
Fisher Architects, PA
351 Merrimon Avenue
Asheville, NC 28801
Copyright 2021 Fisher Architects, PA

Site Development for
Shealy Trucking Center - WNC
Old Johnson Farm Road

Grading, Storm Water
and Erosion Control

SHEET	DATE	JOB NO.	24108
C3	11-13-2024		



DEVELOPMENT DATA BLOCK	
OWNER/DEVELOPER:	B&K PROPERTIES OF COLUMBIA, LLC
CONTACT:	CARL SHEALY
PHONE:	864.968.077
ADDRESS:	1340 BLUFF ROAD COLUMBIA, SOUTH CAROLINA 29201
PIN:	9652-33-7960
PHYSICAL ADDRESS:	116 OLD JOHNSON FARM ROAD FLETCHER, NORTH CAROLINA 28732
PROPERTY SIZE:	5.08 AC.
ZONING DISTRICT:	LC

REVISIONS	

FISHER

Fisher Architects, PA

351 Merrimon Avenue
Asheville, NC 28801

Copyright 2021 Fisher Architects, PA

(828) 253-8265

Site Development for

Shealy Trucking Center - WNC

Old Johnson Farm Road

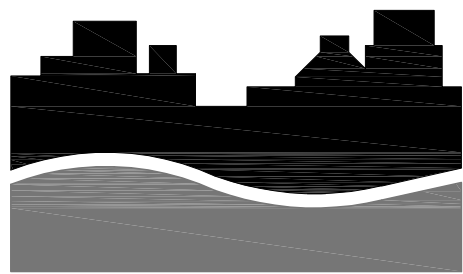
116 Old Johnson Farm Road, Fletcher, North Carolina

SHEET TITLE		DATE	JOB NO.	24108
Utilities	C4			

For
Review

THIS DOCUMENT AND THE INFORMATION PROVIDED HEREIN IS CONFIDENTIAL, PROPRIETARY, AND IS THE PROPERTY OF DAVIS CIVILSOLUTIONS, P.A. PROVIDED AS AN INSTRUMENT OF SERVICE. THIS DOCUMENT MAY NOT BE COPIED, REPRODUCED, ALTERED, PROVIDED TO ANY OTHER PARTY, OR USED FOR ANYTHING OTHER THAN THE SPECIFIC PROJECT IDENTIFIED OR REFERRED TO HEREIN, OR USED FOR EXTENSION TO THIS PROJECT, IN PART OR IN WHOLE, WITHOUT THE EXPRESS WRITTEN CONSENT OF DAVIS CIVILSOLUTIONS, P.A.

©COPYRIGHT 2024
DAVIS CIVILSOLUTIONS, P.A.
ALL RIGHTS RESERVED



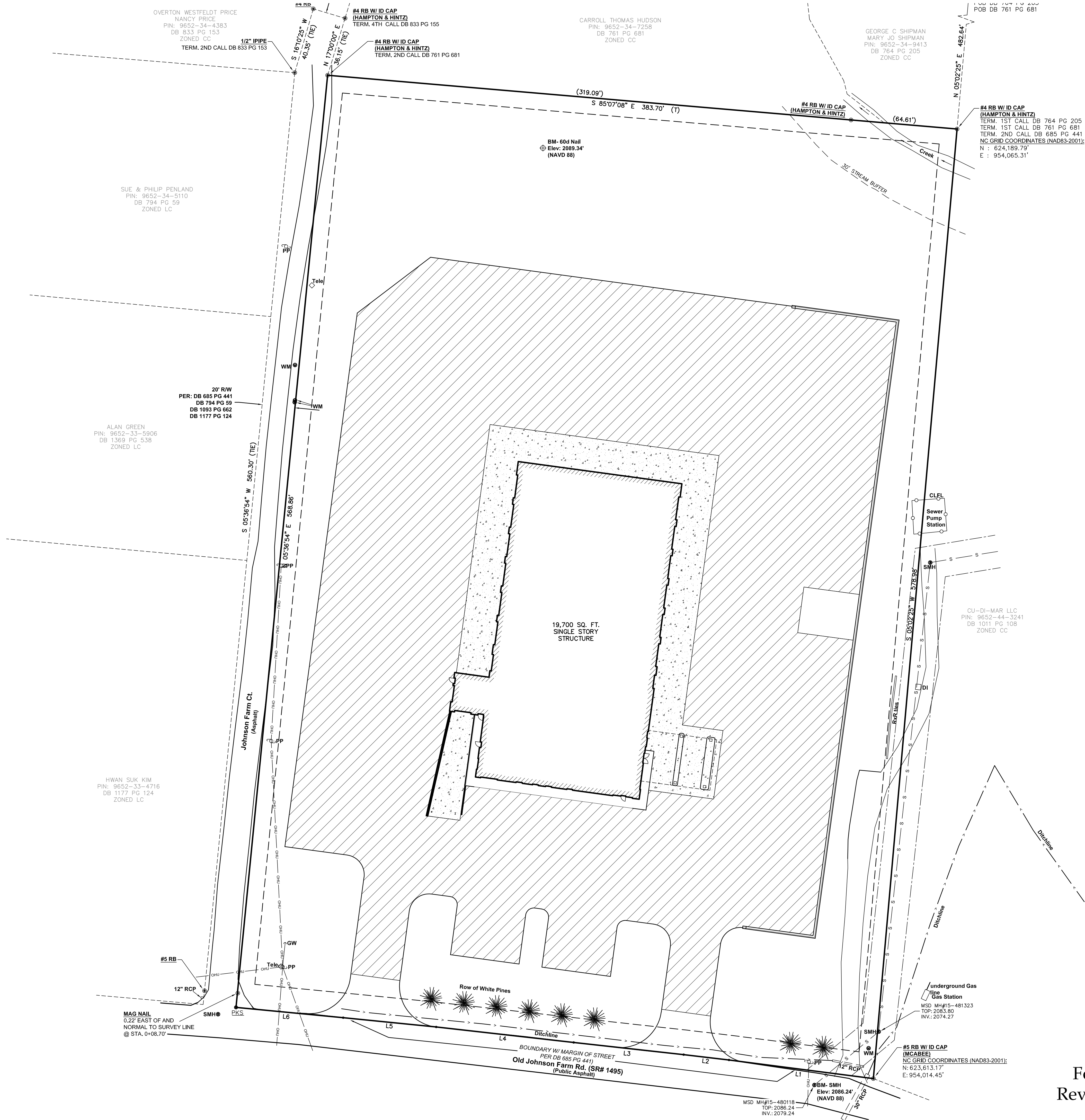
DCS PROJECT NO.: 24126

Davis CivilSolutions, PA

Site/Infrastructure Engineering/Planning

135-A Charlotte Highway • Asheville, North Carolina 28803

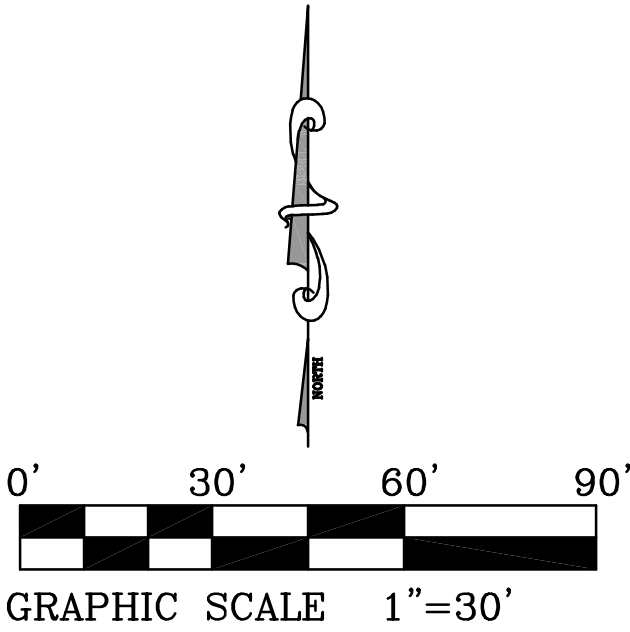
828.299.9449 PH • www.daviscivilsolutions.com • License No.: C-2580



- ASPHALT – 8" CABC, 3" I 19.0C, 2" S 9.5B
- CONCRETE – 6.5" THICK, 4000 PSI.

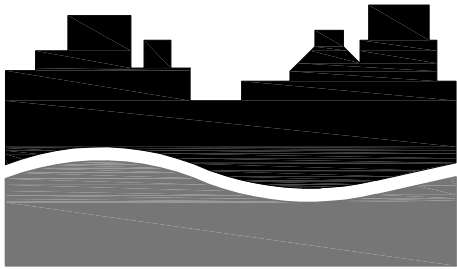
NOTE: SEE SHEET C6 FOR ADDITIONAL CONCRETE INFORMATION.

LINE TABLE		
LINE	BEARING	DISTANCE
L1	N 82°39'01" W	58.39'
L2	N 83°15'16" W	27.74'
L3	N 83°42'13" W	67.20'
L4	N 83°34'35" W	83.96'
L5	N 84°17'11" W	56.83'
L6	N 84°29'33" W	65.42'

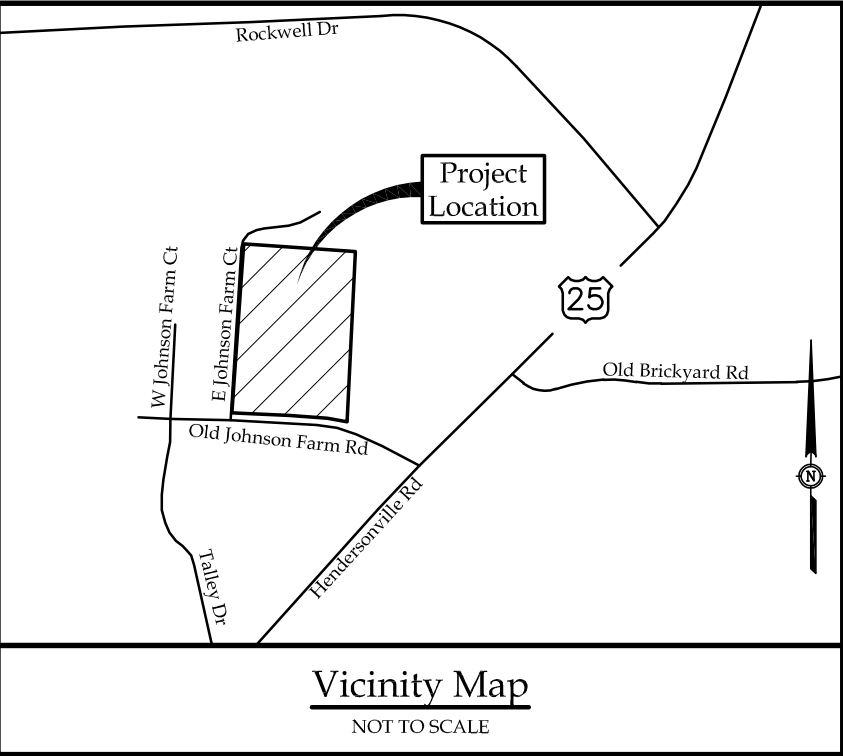


THIS DOCUMENT AND THE INFORMATION PROVIDED HEREIN IS UNCLASSIFIED. IT IS THE PROPERTY OF DAVIS CIVIL SOLUTIONS, P.A. PROVIDED AS AN INSTRUMENT OF SERVICE. THIS DOCUMENT MAY NOT BE COPIED, REPRODUCED, ALTERED, PROVIDED TO ANY OTHER PARTY, OR USED FOR ANYTHING OTHER THAN THE SPECIFIC PROJECT IDENTIFIED OR REFERRED TO HEREIN, OR USED FOR EXTENSION TO THIS PROJECT, IN PART OR IN WHOLE, WITHOUT THE EXPRESS WRITTEN CONSENT OF DAVIS CIVIL SOLUTIONS, P.A.

COPYRIGHT 2024
DAVIS CIVIL SOLUTIONS, P.A.
ALL RIGHTS RESERVED



DCS PROJECT NO.: 24126
Davis Civil Solutions, PA
Site/Infrastructure Engineering/Planning
135-A Charlotte Highway • Asheville, North Carolina 28803
828.299.9449 PH • www.daviscivilsolutions.com • License No.: C-2580



DEVELOPMENT DATA BLOCK	
OWNER/DEVELOPER:	BS&K PROPERTIES OF COLUMBIA, LLC
CONTACT:	CARL SHEALY
PHONE:	864.968.077
ADDRESS:	1340 BLUFF ROAD COLUMBIA, SOUTH CAROLINA 29201
PIN:	9652-33-7960
PHYSICAL ADDRESS:	116 OLD JOHNSON FARM ROAD FLETCHER, NORTH CAROLINA 28732
PROPERTY SIZE:	5.08 AC.
ZONING DISTRICT:	LC

REVISIONS

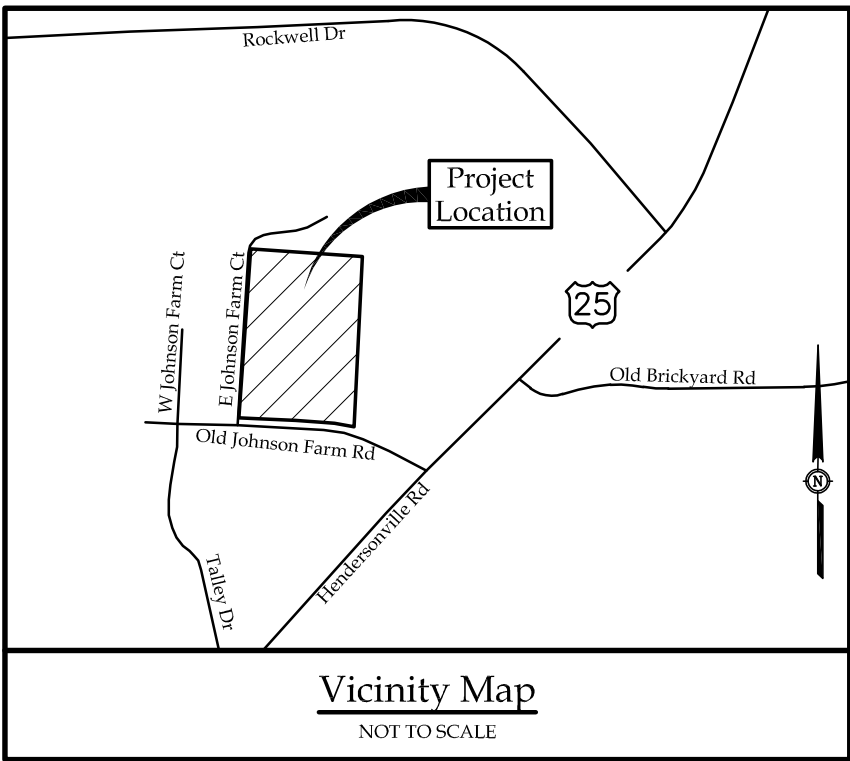
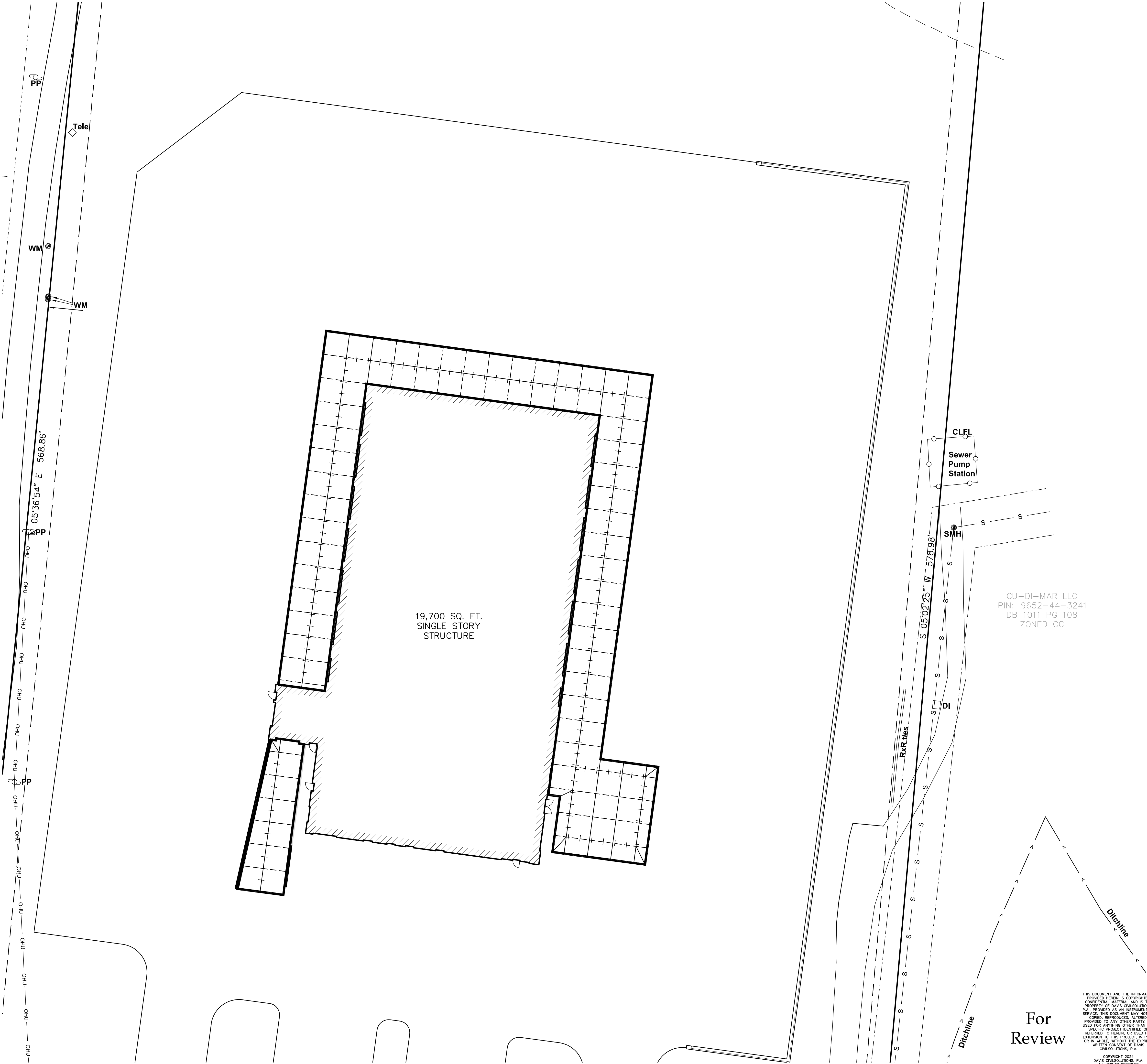
FISHER
Fisher Architects, PA
351 Merrimon Avenue
Asheville, NC 28801
Copyright 2021 Fisher Architects, PA

Site Development for
Shealy Trucking Center - WNC
Old Johnson Farm Road

Paving Identification

SHEET	DATE	11-13-2024
	JOB NO.	24108

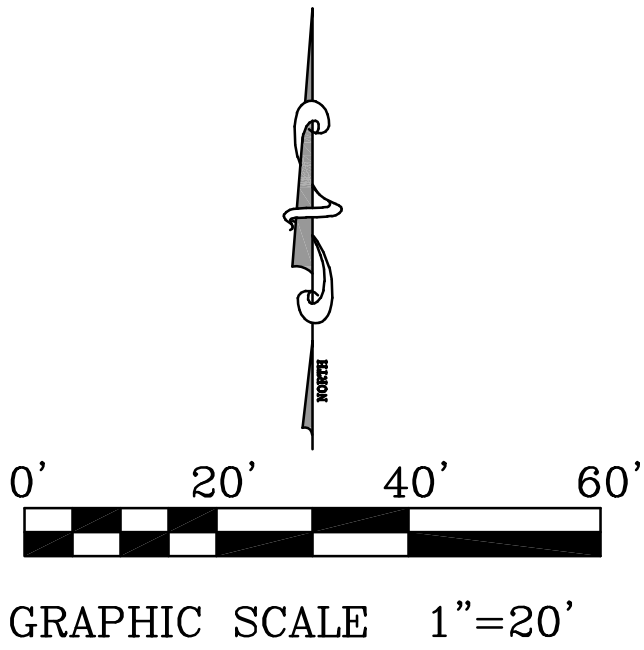
C5



DEVELOPMENT DATA BLOCK	
OWNER/DEVELOPER:	BS&K PROPERTIES OF COLUMBIA, LLC
CONTACT:	CARL SHEALY
PHONE:	864.968.077
ADDRESS:	1340 BLUFF ROAD COLUMBIA, SOUTH CAROLINA 29201
PIN:	9652-33-7960
PHYSICAL ADDRESS:	116 OLD JOHNSON FARM ROAD FLETCHER, NORTH CAROLINA 28732
PROPERTY SIZE:	5.08 AC.
ZONING DISTRICT:	LC

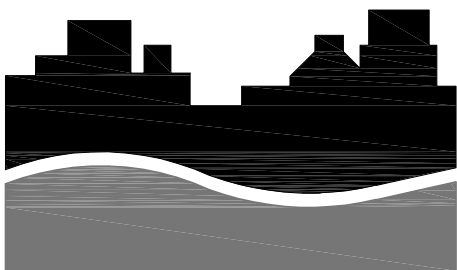
- TIED LONGITUDINAL JOINT — USING 30" LONG No. 5 BAR, SPACED AT 30" ON CENTER (TYPE C-2)
- TIED TRANSVERSE JOINT — USING 30" LONG No. 5 BAR, SPACED AT 30" ON CENTER (TYPE C-1)
- THICKENED EDGE ISOLATION JOINT (TYPE D-1)
- DOWELED TRANSVERSE JOINT — USING 14" LONG, 1" DOWEL BARS SPACED AT 12" O.C. (TYPE A-2)
- UNTIED LONGITUDINAL JOINT (TYPE A-3)

NOTE: ALL CONCRETE SHALL BE A MINIMUM OF 6.5" THICK 4000 PSI.



For Review

THIS DOCUMENT AND THE INFORMATION PROVIDED HEREIN IS CONFIDENTIAL, PROPRIETARY, AND IS THE PROPERTY OF DAVIS CIVILSOLUTIONS, P.A. PROVIDED AS AN INSTRUMENT OF SERVICE. THIS DOCUMENT MAY NOT BE COPIED, REPRODUCED, ALTERED, PROVIDED TO ANY OTHER PARTY, OR USED FOR ANYTHING OTHER THAN THE SPECIFIC PROJECT IDENTIFIED OR REFERRED TO HEREIN, OR USED FOR EXTENSION TO THIS PROJECT, IN PART OR IN WHOLE, WITHOUT THE EXPRESS WRITTEN CONSENT OF DAVIS CIVILSOLUTIONS, P.A.



DCS PROJECT NO.: 24126
Davis CivilSolutions, PA
Site/Infrastructure Engineering/Planning
135-A Charlotte Highway • Asheville, North Carolina 28803
828.299.9449 PH • www.daviscivilsolutions.com • License No.: C-2580

REVISIONS

FISHER

Fisher Architects, PA

351 Merrimon Avenue
Asheville, NC 28801

Copyright 2021 Fisher Architects, PA

(828) 253-8265

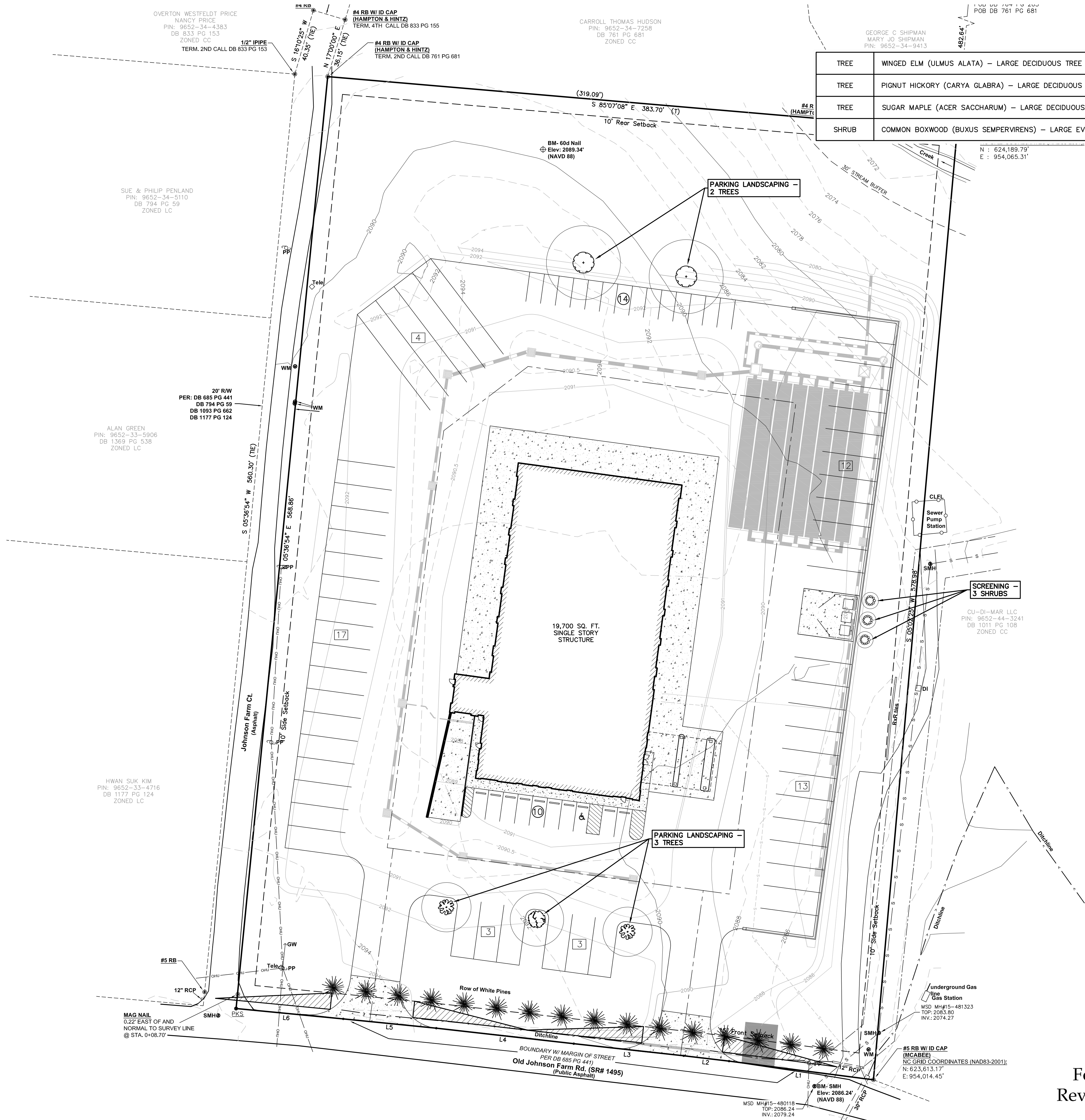
Site Development for

Shealy Trucking Center - WNC

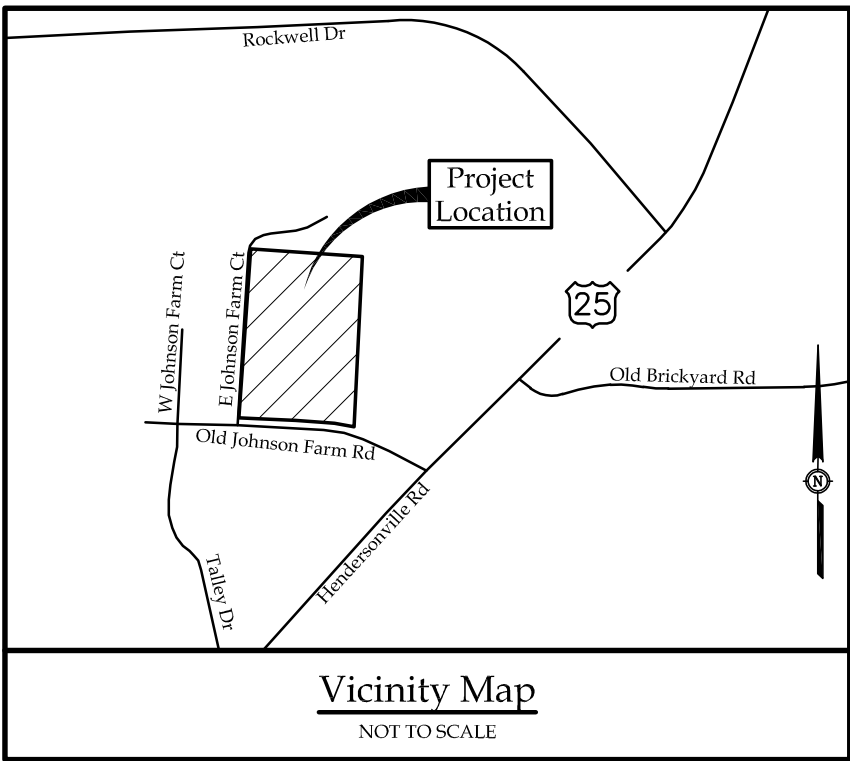
Old Johnson Farm Road

116 Old Johnson Farm Road, Fletcher, North Carolina

SHEET TITLE		DATE		JOB NO.	24108
Paving Identification		11-13-2024			
SHEET		C6			

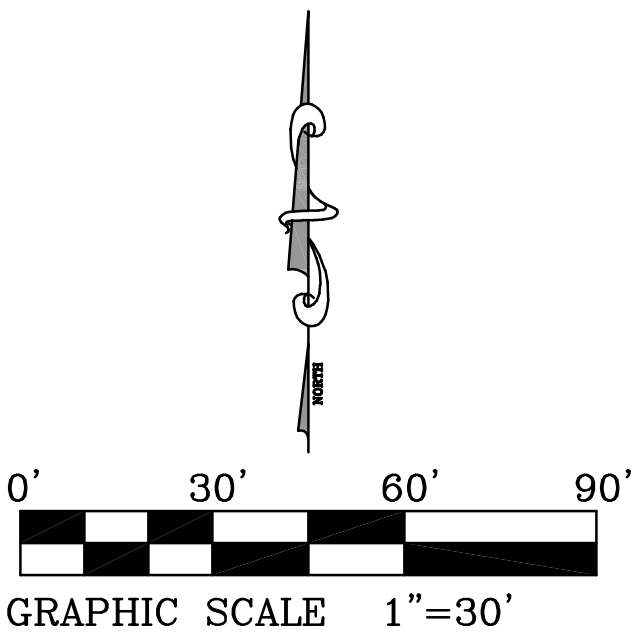


TREE	WINGED ELM (ULMUS ALATA) - LARGE DECIDUOUS TREE	
TREE	PIGNUT HICKORY (CARYA GLABRA) - LARGE DECIDUOUS TREE	
TREE	SUGAR MAPLE (ACER SACCHARUM) - LARGE DECIDUOUS TREE	
SHRUB	COMMON BOXWOOD (BUXUS SEMPERVIRENS) - LARGE EVERGREEN SHRUB	



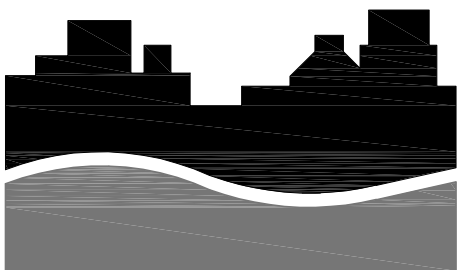
DEVELOPMENT DATA BLOCK											
OWNER/DEVELOPER:	BS&K PROPERTIES OF COLUMBIA, LLC										
CONTACT:	CARL SHEALY										
PHONE:	864-968-0777										
ADDRESS:	1340 BLUFF ROAD COLUMBIA, SOUTH CAROLINA 29201										
PIN:	9652-33-7960										
PHYSICAL ADDRESS:	116 OLD JOHNSON FARM ROAD FLETCHER, NORTH CAROLINA 28732										
PROPERTY SIZE:	5.08 AC.										
ZONING DISTRICT:	LC										
LANDSCAPING REQUIREMENTS:	PARKING LOT LANDSCAPING 1 TREE PER 5 PARKING SPACES TREES SHALL BE DECIDUOUS, AND MAY BE EITHER SMALL MATURING OR LARGE MATURING. TOTAL PARKING SPACES = 24 24 / 5 = 4.8 = 5 5 X 1 = 5 TREES PARKING LOT LANDSCAPING TOTALS TREES = 5 SCREENING SCREEN CLASS 3 A MINIMUM 6' TALL FENCE, 75% OPAQUE, WITH A ROW OF SHRUBS SPACED A MINIMUM OF 10' APART DUMPISTER SCREEN: DUMPISTER PAD WIDTH = 28' 28 / 10 = 2.8 = 3 SHRUBS DUMPISTER SCREEN TOTALS SHRUBS = 3 TOTAL LANDSCAPING REQUIRED <table><tr><td>PARKING LOT:</td><td>SCREENING:</td></tr><tr><td>TREES = 5</td><td>SHRUBS = 3</td></tr><tr><td colspan="2">COMBINED TOTALS</td></tr><tr><td colspan="2">TREES = 5</td></tr><tr><td colspan="2">SHRUBS = 3</td></tr></table>	PARKING LOT:	SCREENING:	TREES = 5	SHRUBS = 3	COMBINED TOTALS		TREES = 5		SHRUBS = 3	
PARKING LOT:	SCREENING:										
TREES = 5	SHRUBS = 3										
COMBINED TOTALS											
TREES = 5											
SHRUBS = 3											

LINE TABLE		
LINE	BEARING	DISTANCE
L1	N 82°39'01" W	58.39'
L2	N 83°15'16" W	27.74'
L3	N 83°42'13" W	67.20'
L4	N 83°34'35" W	83.96'
L5	N 84°17'11" W	56.83'
L6	N 84°29'33" W	65.42'



THIS DOCUMENT AND THE INFORMATION PROVIDED HEREIN IS CONFIDENTIAL PROPERTY OF DAVIS CIVIL SOLUTIONS, P.A. PROVIDED AS AN INSTRUMENT OF SERVICE. THIS DOCUMENT MAY NOT BE COPIED, REPRODUCED, ALTERED, PROVIDED TO ANY OTHER PARTY, OR USED FOR ANYTHING OTHER THAN THE SPECIFIC PROJECT IDENTIFIED OR REFERRED TO HEREIN, OR USED FOR EXTENSION TO THIS PROJECT, IN PART OR IN WHOLE, WITHOUT THE EXPRESS WRITTEN CONSENT OF DAVIS CIVIL SOLUTIONS, P.A.

COPYRIGHT 2024
DAVIS CIVIL SOLUTIONS, P.A.
ALL RIGHTS RESERVED



DCS PROJECT NO.: 24126
Davis Civil Solutions, PA
Site/Infrastructure Engineering/Planning
135-A Charlotte Highway • Asheville, North Carolina 28803
828.299.9449 PH • www.daviscivilsolutions.com • License No.: C-2580

REVISIONS	

FISHER

Fisher Architects, PA
351 Merrimon Avenue
Asheville, NC 28801
Copyright 2021 Fisher Architects, PA

Site Development for

Shealy Trucking Center - WNC

Old Johnson Farm Road

SHEET TITLE	Landscaping	SHEET	
		C7	
	DATE	11-13-2024	
	JOB NO.	24108	

GENERAL CONSTRUCTION NOTES

1. FINISH GRADE TOLERANCES SHALL BE AS NOTED IN THE SPECIFICATIONS. THE ENGINEER MAY MAKE GRADE CHANGES AS REQUIRED IN THE FIELD WITHOUT EFFECTING THE UNIT BID PRICE FOR UNCLASSIFIED EXCAVATION.
2. UNLESS OTHERWISE STATED, ALL FILL AREAS SHALL BE CONSTRUCTED IN LAYERS OF 8" MAXIMUM THICKNESS, WITH WATER ADDED OR SOIL CONDITIONED TO THE OPTIMUM MOISTURE CONTENT AS DETERMINED BY THE ENGINEER AND COMPACTED WITH A SHEEP'S FOOT ROLLER TO A COMPACTION EQUAL TO OR GREATER THAN 95% (100% IN THE TOP 2' OF THE SUB GRADE BELOW ROADWAYS, PARKING LOTS, AND SLABS) OF THE DENSITY OBTAINED BY COMPACTING A SAMPLE OF THE MATERIAL IN ACCORDANCE WITH THE STANDARD PROCTOR METHOD OF MOISTURE-DENSITY RELATIONSHIP TEST, ASTM D698 OR AASHTO-99 UNLESS SPECIFIED IN OTHER SPECIFICATIONS. COPIES OF COMPACTION REPORTS SHALL BE PROVIDED TO THE LOCAL REGULATORY AGENCY, WHERE REQUIRED.
3. ENTIRE AREA TO BE GRADED SHALL BE CLEARED AND GRUBBED, NO FILL SHALL BE PLACED ON ANY AREA NOT CLEARED AND GRUBBED.
4. ALL SOIL EROSION CONTROL MEASURES REQUIRED BY THE GRADING PLAN SHALL BE PERFORMED PRIOR TO GRADING, CLEARING OR GRUBBING. ALL EROSION CONTROL DEVICES SUCH AS SILT FENCES, ETC., SHALL BE MAINTAINED IN WORKABLE CONDITION FOR THE LIFE OF THE PROJECT BY THE CONTRACTOR AT HIS EXPENSE. EROSION CONTROL FACILITIES SHALL BE REMOVED AT THE COMPLETION OF THE PROJECT ONLY ON THE ENGINEER'S APPROVAL. PAYMENT SHALL BE CONSIDERED INCIDENTAL TO CLEARING AND GRUBBING UNLESS OTHERWISE SPECIFIED. IF DURING THE LIFE OF THE PROJECT, A STORM CAUSES SOIL EROSION WHICH CHANGES FINISH GRADES OR CREATES "GULLIES" AND "WASHED AREAS", THESE SHALL BE REPAIRED AT NO ADDITIONAL COST, AND ALL SILT WASHED OFF OF THE PROJECT SITE ONTO ADJACENT PROPERTY SHALL BE REMOVED AS DIRECTED BY THE ENGINEER AT NO ADDITIONAL COST. THE CONTRACTOR SHALL ADHERE TO ANY APPROVED EROSION CONTROL PLANS WHETHER INDICATED IN THE CONSTRUCTION PLANS OR UNDER SEPARATE COVER.

EROSION CONTROL IS FIELD PERFORMANCE BASED AND ADDITIONAL SILT FENCE, TEMPORARY SEDIMENT BASINS AND OTHER MEASURES MAY NEED TO BE INSTALLED IN ADDITION TO THE APPROVED PLAN AS NECESSARY. MEASURES INDICATED ON THE DRAWINGS CAN AND SHOULD BE ADJUSTED TO ASSURE MAXIMUM PROTECTION OF THE SITE.
5. DISPOSABLE MATERIAL
 - A. CLEARING AND GRUBBING WASTES SHALL BE REMOVED FROM THE SITE AND PROPERLY DISPOSED OF BY THE CONTRACTOR AT HIS EXPENSE, UNLESS SPECIFIED OTHERWISE.
 - B. SOLID WASTES TO BE REMOVED, SUCH AS SIDEWALKS, CURBS, PAVEMENT, ETC., MAY BE PLACED IN SPECIFIC DISPOSAL AREAS DELINEATED ON THE PLANS WITH THE PRIOR APPROVAL OF THE ENGINEER OR SHALL BE REMOVED FROM THE SITE AS REQUIRED BY THE SPECIFICATIONS. THIS MATERIAL SHALL HAVE A MINIMUM COVER OF 2'. THE CONTRACTOR SHALL MAINTAIN SPECIFIED COMPACTION REQUIREMENTS IN THESE AREAS. WHEN DISPOSAL SITES ARE NOT PROVIDED, THE CONTRACTOR SHALL REMOVE THIS WASTE FROM THE SITE AND PROPERLY DISPOSE OF IT AT HIS EXPENSE.
 - C. ABANDONED UTILITIES SUCH AS CULVERTS, WATER PIPE, HYDRANTS, CASTINGS, PIPE APPURTENANCES, UTILITY POLES, ETC., SHALL BE THE PROPERTY OF THE SPECIFIC UTILITY AGENCY, OR COMPANY HAVING JURISDICTION. BEFORE THE CONTRACTOR CAN REMOVE, DESTROY, SALVAGE, REUSE, SELL OR STORE FOR HIS OWN USE ANY ABANDONED UTILITY, HE MUST PRESENT TO THE OWNER WRITTEN PERMISSION FROM THE UTILITY INVOLVED.
 - D. ON SITE BURNING IS AN ACCEPTABLE METHOD OF DISPOSING OF FLAMMABLE WASTES WHERE ALLOWED BY LOCAL CODES. WHEN BURNING IS ANTICIPATED, THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND MEETING GOVERNING CODES. THE CONTRACTOR SHALL NOTIFY THE ENGINEER OR HIS REPRESENTATIVE AS TO THE SPECIFIC LOCATION OF BURNING AREAS AND SHALL PROVIDE COPIES OF ALL NECESSARY PERMITS. AFTER BURNING IS COMPLETED, PURE ASH MAY BE DISPOSED OF BY MIXING WITH FILL DIRT UPON THE APPROVAL OF THE ENGINEER. ALL MATERIAL NOT TOTALLY BURNED SHALL BE DISPOSED OF AS SPECIFIED IN "B" ABOVE. THE CONTRACTOR SHALL NOT HOLD UP WORK PROGRESS FOR THE PURPOSE OF WAITING FOR A "BURNING DAY".
6. IN THE EVENT EXCESSIVE GROUNDWATER OR SPRINGS ARE ENCOUNTERED WITHIN THE LIMITS OF CONSTRUCTION, THE CONTRACTOR SHALL INSTALL NECESSARY UNDER DRAINS AND STONE AS DIRECTED BY THE ENGINEER. ANY UNDERDRAIN AS APPROVED BY PERMITS FROM LOCAL REGULATORY AGENCIES. ALL WORK SHALL BE PAID BASED UPON UNIT BIDS, UNLESS SPECIFIED OTHERWISE.
7. THE CONTRACTOR IS RESPONSIBLE FOR THE COORDINATION OR ADJUSTMENT OF ALL UTILITY SURFACE ACCESSES WHETHER HE PERFORMS THE WORK OR A UTILITY COMPANY PERFORMS THE WORK.
8. THE CONTRACTOR SHALL CONTROL ALL "DUST" BY PERIODIC WATERING AND SHALL PROVIDE ACCESS AT ALL TIMES FOR PROPERTY OWNERS WITHIN THE PROJECT AREA AND FOR EMERGENCY VEHICLES. ALL OPEN DITCHES AND HAZARDOUS AREAS SHALL BE CLEARLY MARKED IN ACCORDANCE WITH THE SPECIFICATIONS.

NOTE-1

HENDERSON COUNTY EROSION CONTROL NOTES

GENERAL: ALL EROSION CONTROL MEASURES ARE TO BE PERFORMED IN STRICT ACCORDANCE WITH REQUIREMENTS OF HENDERSON COUNTY. THE FOLLOWING CONSTRUCTION SEQUENCE SHALL BE COMPLIED WITH FOR ALL WORK.

1. - OBTAIN EROSION CONTROL PERMIT THROUGH HENDERSON COUNTY.
2. - CONTACT HENDERSON COUNTY SITE DEVELOPMENT TO SCHEDULE A MANDATORY PRE-CONSTRUCTION CONFERENCE ON SITE TO DISCUSS REQUIREMENTS OF THE EROSION AND SEDIMENTATION EROSION CONTROL PERMIT.
3. - CONTACT HENDERSON COUNTY SITE DEVELOPMENT 48 HOURS PRIOR TO COMMENCEMENT OF LAND DISTURBING ACTIVITIES.
4. - INSTALL ALL EROSION CONTROL MEASURES AS REQUIRED.
5. - PROCEED WITH GRADING, CLEARING AND GRUBBING.
6. - SEED AND MULCH DENuded AREAS WITHIN 14 DAYS AFTER FINISHED GRADES ARE ESTABLISHED, AND/OR WITHIN 7 DAYS ON ALL PERIMETER AREAS AND SLOPES GREATER THAN 3:1. SEED AND SOIL AMENDMENTS SHALL BE PLACED ON A PREPARED SEEDBED AT THE FOLLOWING RATES PER ACRE:

<u>SUMMER (PERMANENT) SEEDING (MAY 15 TO AUGUST 15)</u>	
LIME	2,000 LBS
FERTILIZER (10-10-10)	750 LBS
KY-31 FESCUE	100 LBS
STRAW MULCH	4,000 LBS. (ANCHORED)
GERMAN MILLET	40 LBS.
(OR SMALL-STEMMED SUDAN GRASS @ 40 LBS.)	

<u>WINTER (TEMPORARY) SEEDING (AUGUST 15 TO MAY 15) MOUNTAINS</u>	
LIME	2,000 LBS
FERTILIZER (10-10-10)	750 LBS
KY-31 FESCUE	100 LBS
STRAW MULCH	4,000 LBS. (ANCHORED)
RYE (GRAIN)	120 LBS.

FOR ALL SLOPES 2:1 OR STEEPER ADD TO THE ABOVE:

SERICEA LESPEDEZA (KOREAN)

IF HYDROSEEDING, WOOD CELLULOSE MAY BE USED IN ADDITION TO STRAW MULCH AT THE RATE OF 1,000 LBS PER ACRE.

ALL SEEDING SHALL BE MAINTAINED, WATERED, ETC., UNTIL A PERMANENT VEGETATIVE GROUND COVER IS ESTABLISHED OVER ALL DISTURBED AREAS.

ALL SLOPES 2:1 OR STEEPER SHALL BE COVERED BY EROSION CONTROL MATTING.

7. - MAINTAIN SOIL EROSION CONTROL MEASURES UNTIL PERMANENT GROUND COVER IS ESTABLISHED.
8. - REMOVE SOIL EROSION CONTROL MEASURES AND STABILIZE THESE AREAS.
9. - REQUEST FINAL APPROVAL BY HENDERSON COUNTY.

GENERAL INFORMATION

1. - EROSION CONTROL IS FIELD PERFORMANCE BASED AND ADDITIONAL SILT FENCES, TEMPORARY SEDIMENT BASINS AND ALL OTHER MEASURES MAY NEED TO BE ADDED IN ADDITION TO THE APPROVED PLAN AS NECESSARY. MEASURES SHOWN CAN AND SHOULD BE ADJUSTED TO ASSURE MAXIMUM PROTECTION OF SITE.
2. - THE ANGLE FOR GRADED SLOPES AND FILLS SHALL BE NO GREATER THAN THE ANGLE THAT CAN BE RETAINED BY VEGETATIVE COVER OR OTHER ADEQUATE EROSION CONTROL DEVICES OR STRUCTURES. IN ANY EVENT, SLOPES LEFT EXPOSED WILL, WITHIN 21 CALENDAR DAYS OF COMPLETION OF ANY PHASE OF GRADING, BE STABILIZED OR OTHERWISE PROVIDED WITH TEMPORARY OR PERMANENT GROUND COVER, DEVICES, OR STRUCTURES SUFFICIENT TO RETAIN EROSION.
3. - STABILIZATION OF ALL LAND DISTURBANCE SHALL OCCUR AS SOON AS PRACTICAL BUT IN ANY EVENT WITHIN 14 CALENDAR DAYS, OR 7 CALENDAR DAYS FOR SLOPES STEEPER THAN 3:1, FROM THE LAST LAND-DISTURBING ACTIVITY.
4. - AREAS DEDICATED FOR MANAGEMENT OF LAND CLEARING AND DEMOLITION DEBRIS, EARTHEN STOCK PILE MATERIAL, CONSTRUCTION AND DOMESTIC WASTE, AND HAZARDOUS OR TOXIC WASTE MUST BE LOCATED AT LEAST 50 FEET AWAY FROM STORM DRAIN INLETS AND SURFACE WATERS UNLESS IT CAN BE SHOWN THAT NO OTHER ALTERNATIVES ARE REASONABLY AVAILABLE.
5. - THE CONTRACTOR SHALL COMPLY WITH THE REQUIREMENTS OF THE WEEKLY SELF-INSPECTION PROGRAM OF THE NPDES STORMWATER PERMIT FOR CONSTRUCTION. THE INSPECTION ACTIVITIES SHOULD BE CONDUCTED AFTER EACH PHASE OF THE PROJECT, AND CONTINUED UNTIL PERMANENT GROUND COVER IS ESTABLISHED. THE NPDES SELF-INSPECTION REPORT FORM FROM THE NCDCNR, DIVISION OF LAND RESOURCES SHALL BE USED AND ALL REPORTING REQUIREMENTS OF THE INSPECTION ITEMS INCLUDE, BUT IS NOT LIMITED TO: SEDIMENT CONTROL BASINS, TRAPS, AND PONDS; ROCK DAMS, TEMPORARY DIVERSIONS; TEMPORARY SLOPE DRAINS, ROCK CHECK DAMS, SILT FENCE, INLET PROTECTION, STORM DRAIN FACILITIES, ENERGY DISSIPATORS, AND STABILIZATION METHODS OF OPEN CHANNELS, AND THE NEED FOR GROUND COVER.

NPDES AND SELF-INSPECTION INFORMATION
<https://www.hendersoncountync.gov/waterresources/page/npdes-and-self-inspection-information>

6. - THE CONTRACTOR SHALL MAKE INSPECTIONS OF THE SITE DURING AND AFTER THE INSTALLATION OF EROSION CONTROL FACILITIES, INCLUDING OF CLEARING AND GRADING; THE INSTALLATION OF STORM DRAINAGE FACILITIES; THE COMPLETION OF CONSTRUCTION; IMMEDIATELY AFTER EACH RAINFALL EVENT; AND CONTINUALLY UNTIL PERMANENT GROUND COVER IS ESTABLISHED.

GENERAL CONSTRUCTION NOTES CONT'D.

9. ALL AREAS WHERE THERE IS EXPOSED DIRT SHALL BE SEED, FERTILIZED AND MULCHED ACCORDING TO THE SPECIFICATIONS. THE FINISHED SURFACE SHALL BE TO GRADE AND SMOOTH, FREE OF ALL ROCKS LARGER THAN 3". EQUIPMENT TRACKS, DIRT CLOS, BUMPS, RIDGES AND GOUGES PRIOR TO SEEDING; THE SURFACE SHALL BE LOOSENOED TO A DEPTH OF 4"-6" TO ACCEPT SEED. THE CONTRACTOR SHALL NOT PROCEED WITH SEEDING OPERATIONS WITHOUT FIRST OBTAINING THE ENGINEER'S APPROVAL OF THE GRADED SURFACE. ALL SEEDING SHALL BE PERFORMED BY A MECHANICAL "HYDRO-SEEDER". HAND SEEDING SHALL BE AUTHORIZED ON AN AREA BY AREA APPROVAL BY THE ENGINEER. ALL FILL AND OUD SLOPES 2:1 HORIZONTAL TO VERTICAL, OR STEEPER, SHALL BE COVERED, AFTER SEEDING, WITH EROSION CONTROL MATTING CONSISTING OF BIODEGRADABLE STRAW WITH NATURAL FIBER OR BIODEGRADABLE NETTING, APPROVED BY THE ENGINEER.

10. WHERE SPECIFIED, STORM DRAIN PIPE SHALL BE CORRUGATED METAL PIPE (CMP) CONFORMING TO AASHTO M-36, WITH PRECAST ENDS TO ACCOMMODATE CORRUGATED COUPLING BANDS. 18" PIPE SHALL BE 16 GAUGE, 24" AND 30" PIPE SHALL BE 14 GAUGE AND 36" PIPE AND OVER SHALL BE 12 GAUGE AS SPECIFIED ON THE PLANS. PIPE AND COUPLING BANDS SHALL CONFORM TO NCDDOT 1032-3 FOR PLAIN PIPE OR 1032-4(A) FOR BITUMINOUS COATED AND PARTIALLY PAVED PIPE. DIMPLE BANDS SHALL NOT BE USED.

WHERE SPECIFIED, STORM DRAIN PIPE SHALL BE REINFORCED CONCRETE PIPE (RCP) CONFORMING TO AASHTO M-170, AS CONTAINED IN NCDDOT STANDARD SPECIFICATION 1032-9 FOR WALL "B" TYPE.

WHERE SPECIFIED, ALL STORM DRAIN PIPE SHALL BE HIGH DENSITY POLYETHYLENE (HDPE), CORRUGATED EXTERIOR, SMOOTH WALL INTERIOR, WITH SOIL TIGHT JOINTS, BACKFILLED WITH # 57 WASHED STONE UP TO MIN. 6" OVER THE TOP OF THE PIPE, 12" ON EACH SIDE OF THE PIPE, AND 8" BENEATH THE PIPE. HDPE PIPE USED FOR STORM DRAINAGE DETENTION SYSTEMS SHALL BE "HANCOR BLUE SEAL" OR APPROVED EQUAL, WITH WATER TIGHT JOINTS.

WHERE SPECIFIED, ALL STORM DRAIN PIPE SHALL BE DUAL WALL HIGH DENSITY POLYPROPYLENE (HDPP), CORRUGATED EXTERIOR, SMOOTH WALL INTERIOR, WITH GASKETED JOINTS, BACKFILLED WITH #57 WASHED STONE UP TO THE SPRING LINE OF THE PIPE, WITH 12" STONE ON EACH SIDE OF THE PIPE, AND 8" BENEATH THE PIPE. PIPES OF A DIAMETER OF 30" OR GREATER SHALL BE TRIPLE WALL, CORRUGATED STRUCTURAL CORE, SMOOTH EXTERIOR, WITH DOUBLE GASKETED JOINTS.

ALL CORRUGATED METAL STORM DRAIN PIPE (CMP) SHALL BE ALUMINIZED TYPE 2 CORRUGATED STEEL MANUFACTURED IN ACCORDANCE WITH THE REQUIREMENTS OF AASHTO M-36. THE PIPE SHALL BE MANUFACTURED FROM ALUMINIZED STEEL TYPE 2 MATERIAL CONFORMING TO THE REQUIREMENTS OF AASHTO M-274. ALL PIPES SHALL BE UNFINISHED WITH PRELLOADED ENDS AND SHALL BE JOINED WITH HUGGER BANDS. THE USE OF DIMPLE BANDS WILL NOT BE ALLOWED. PIPE THROUGH 24" DIAMETER SHALL BE 16 GAUGE, PIPE THROUGH 42" DIAMETER SHALL BE 14 GAUGE, PIPE THROUGH 54" DIAMETER SHALL BE 12 GAUGE.

11. CONTRACTOR SHALL VERIFY THE APPROPRIATENESS OF ALL ELEVATIONS BEFORE INSTALLATION OF FACILITIES AND THAT THOSE ELEVATIONS CONTRIBUTE TO THE PROPER INTENDED PERFORMANCE OF THE INSTALLED FACILITIES.

12. CATCH BASINS CAST-IN-PLACE SHALL CONFORM TO THE REQUIREMENTS OF NCDDOT STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES (LATEST EDITION) ARTICLES 840-1 THROUGH 840-3. CURB INLET CATCH BASIN SHALL CONFORM TO NCDDOT STANDARD DETAILS 840.02 THROUGH 840.04. DROP INLETS SHALL CONFORM TO STANDARD DETAIL 840.14. JUNCTION BOXES SHALL CONFORM TO STANDARD DETAIL 840.31.

13. CURB INLET FRAME, GRATE AND HOOD SHALL BE NENEAR R-3233D, PRODUCTS BY DEWEY BROS., U.S. FOUNDRY OR EQUAL. DROP INLET FRAME AND GRATE SHALL BE NENEAR R-3339A OR EQUAL. FIELD INLET COVER SHALL CONFORM TO NCDDOT STANDARD DETAIL 840.04, OPENING FACING UPSTREAM.

14. CONCRETE AND MASONRY SHALL MEET THE REQUIREMENTS OF THE APPROPRIATE SECTION OF THE NCDDOT STANDARD SPECIFICATIONS FOR ROAD AND STRUCTURES (LATEST EDITION). CONCRETE SHALL BE CLASS A OR B, 4000 PSI MINIMUM, MEETING THE REQUIREMENTS OF SECTION 1000, CONSTRUCTED IN ACCORDANCE WITH SECTION 825. MASONRY SHALL MEET THE REQUIREMENTS OF SECTION 1040, CONSTRUCTED IN ACCORDANCE WITH SECTION 830 AND/OR 834.

15. TOPS OF PROPOSED FRAMES AND GRATES SHALL BE FLUSH WITH FINISHED GRADE. ALL STORM DRAIN BOXES AND MANHOLES OVER 4' IN DEPTH SHALL HAVE DIRECTLY BENEATH THE OPENING.

16. TINDALL PRE CAST CONCRETE BOXES ARE ACCEPTABLE ALTERNATIVES FOR PROPOSED CATCH BASINS WHEN APPROVED BY THE ENGINEER.

17. CONTRACTOR SHALL PROVIDE THE OWNER AND THE LOCAL REGULATORY AGENCY WITH PROOF OF ACTIVE GRADING PERMITS FOR ANY BORROW OR WASTE SITES TO BE USED, PRIOR TO CONSTRUCTION.

18. THE CONTRACTOR SHALL ASSUME MAINTENANCE OF ALL EROSION CONTROL FACILITIES LEFT ON SITE BY PREVIOUS CONTRACTORS IN THE CASE OF PHASED PROJECTS WHEN SPECIFIED BY THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL MAINTAIN, ADD TO AND/OR ADJUST ALL FACILITIES TO ASSURE MAXIMUM PROTECTION OF THE SITE.

NOTE-2

GENERAL NOTES FOR SEWER (MSD)

1. SEWER CONSTRUCTION ON THIS SITE IS AUTHORIZED BY PERMITS ISSUED BY THE NORTH CAROLINA DEPARTMENT OF ENVIRONMENTAL QUALITY (NCEQ), AND THE METROPOLITAN SEWERAGE DISTRICT OF BUNCOMBE COUNTY (MSD). THE WORK IS SUBJECT TO INSPECTIONS AT ALL TIMES BY REPRESENTATIVES OF NCEQ, MSD, THE OWNER, AND THE ENGINEER. THE PERMITS REQUIRE CERTIFICATION OF COMPLETION BY THE ENGINEER OF THE SEWER SYSTEMS PRIOR TO ISSUANCE OF FINAL OPERATION APPROVAL BY NCEQ.
2. CONTRACTOR SHALL VERIFY THE EXACT LOCATION AND ELEVATION FOR ALL UTILITIES, DRAINAGE AND OTHER UNDERGROUND FACILITIES, BOTH EXISTING AND PROPOSED, AND SHALL NOTIFY THE ENGINEER OF ANY DISCREPANCIES OR CONFLICTS PRIOR TO CONSTRUCTION.
3. INSTALL FERROUS PIPING FOR BOTH WATER AND SEWER WITHIN 10 FT. OF A CROSSING IF:
 - A. THE SEWER LINE CROSSES OVER WATER, OR
 - B. THE VERTICAL CLEARANCE BETWEEN WATER AND SEWER IS LESS THAN 18 INCHES.

MAINTAIN 10 FEET HORIZONTAL SEPARATION BETWEEN SEWER MAINS AND LATERALS, AND WATER MAINS UNLESS LAID IN SEPARATE TRENCHES WITH THE BOTTOM OF THE WATER LINE AT LEAST 18 INCHES ABOVE THE TOP OF SEWER, OR USE FERROUS MATERIAL FOR BOTH WATER AND SEWER.
4. MAINTAIN 18 INCHES VERTICAL SEPARATION BETWEEN STORM DRAIN AND SANITARY SEWER, OR INSTALL FERROUS MATERIAL ON THE SANITARY SEWER WITHIN 10 FEET EACH SIDE OF CROSSING.
5. COORDINATE EXACT LOCATIONS OF SERVICE LINES WITH THE DETAILED ARCHITECTURAL, PLUMBING, AND LANDSCAPING PLANS.
6. MATERIALS AND INSTALLATION FOR SEWER LINES SHALL CONFORM TO AND BE SUPERSEDED BY THE METROPOLITAN SEWERAGE DISTRICTS STANDARD SPECIFICATIONS AND CURRENT DESIGN GUIDELINES. UNDER THE INSPECTION OF THE METROPOLITAN SEWERAGE DISTRICT AND SHALL BE INSTALLED BY A NORTH CAROLINA LICENSED UTILITY CONTRACTOR.
7. CONTRACTOR SHALL PROTECT EXISTING UTILITIES DURING CONSTRUCTION. REPAIRS SHALL BE MADE IN ACCORDANCE WITH APPLICABLE STANDARDS OF APPROPRIATE AGENCIES AT THE CONTRACTORS EXPENSE.
8. CONTRACTOR SHALL NOTIFY APPROPRIATE UTILITY AGENCY PRIOR TO PERFORMING ANY WORK.
9. TYPICAL EASEMENTS FOR SANITARY SEWER LINES LOCATED OUTSIDE ESTABLISHED UTILITY EASEMENTS OR PUBLIC ROAD RIGHT-OF-WAYS SHALL BE 20' WIDE AND LOCATION IN EASEMENT PER SKETCH.
10. CONCRETE KEYS ARE REQUIRED FOR ALL SEGMENTS OF SEWER WHERE THE GRADE EXCEEDS 20%. KEY SPACING SHALL NOT EXCEED 36' OR AS INDICATED ON DRAWING.
11. MANHOLE STEPS ARE TO ALIGN OVER INVERT OUT.
12. CONTRACTOR SHALL INSTALL PLUG IN UPSTREAM OPENING OF PIPE DURING CONSTRUCTION WHENEVER THERE IS INACTIVITY.
13. ALL MANHOLES WITH A RECEIVING GRADE OF 15% OR GREATER SHALL BE HIGH VELOCITY MANHOLES WITH FULL DEPTH INVERTS AND 1' OF FALL ACROSS INVERTS.
14. CONTRACTOR IS RESPONSIBLE TO LOCATE ALL SEWER SERVICES AND TO RECONNECT TO NEW LINE WHILE MAINTAINING SEWER SERVICE.
15. EXISTING SEWER LINE IN USE MUST BE PLUGGED AND ABANDONED PER MSD STANDARDS THROUGHOUT THE PROJECT LIMITS.
16. RIGHTS-OF-WAY FOR SEWER LINES SHALL BE CLEARED AND REMAIN CLEAR OF TREE PLANTINGS AND PERMANENT TYPE STRUCTURES.

20' PERMANENT EASEMENT

SS 10' SS 10' 10'

REVISED 8-16-06 ADDED NOTE #14,15,16

REVISED 8-14-06 ADDED NOTE #13

REVISED 5-12-06

NOTE-7

GENERAL PRECAST CONSTRUCTION NOTES

19. SEED AND MULCH DENUDED AREA WITHIN 14 DAYS ON DISTURBED FLAT AREAS AND 7 DAYS ON ALL PERIMETER DIKES, SWALES, DITCHES, PERIMETER SLOPES AND ALL SLOPES STEEPER THAN 3 HORIZONTAL TO 1 VERTICAL. GROUND COVER SHALL BE REQUIRED AS SOON AS PRACTICABLE BUT IN ANY EVENT WITHIN 14 (OR 7) CALENDAR DAYS FROM THE LAST LAND-DISTURBING ACTIVITY.
20. THE LOCATIONS OF ALL UTILITIES SHOWN ON THESE PLANS ARE BASED ON THE AVAILABLE INFORMATION. THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION OF UTILITIES WITH THE UTILITY OWNERS PRIOR TO CONSTRUCTION.
21. ACCESS TO UTILITIES, FIRE HYDRANTS, STREET LIGHTING, ETC., SHALL REMAIN UNDISTURBED, UNLESS COORDINATED WITH RESPECTIVE UTILITY.
22. CONTRACTOR IS RESPONSIBLE FOR DAMAGE TO ANY EXISTING ITEM AND/OR MATERIAL INSIDE OR OUTSIDE THE CONTRACT LIMITS DUE TO CONSTRUCTION OPERATIONS.
23. THE GENERAL CONTRACTOR SHALL REMOVE ALL TRASH AND DEBRIS FROM THE SITE UPON COMPLETION OF THE PROJECT AND AT LEAST ONE A WEEK DURING CONSTRUCTION.
24. DO NOT SCALE THESE DRAWINGS AS THEY ARE REPRODUCTIONS AND SUBJECT TO DISTORTION.
25. THE CONTRACTOR SHALL VERIFY ALL LOCATION AND ELEVATION OF ALL UNDERGROUND UTILITIES. THE LOCATION OF ALL EXISTING UTILITIES ARE NOT NECESSARILY SHOWN ON THE PLANS AND WHERE SHOWN ARE ONLY APPROXIMATE. THE CONTRACTOR SHALL ON HIS INITIATIVE AND AT NO EXTRA COST HAVE LOCATED ALL UNDERGROUND LINES AND STRUCTURES AS NECESSARY. NO CLAIMS FOR DAMAGES OR EXTRA COMPENSATION SHALL ACCRUE TO THE CONTRACTOR FROM THE PRESENCE OF SUCH PIPE, OTHER OBSTRUCTIONS OR FROM ANY DELAY DUE TO REMOVAL OR REARRANGEMENT OF THE SAME. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO UNDERGROUND STRUCTURES. THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING ALL NON-SUBSCRIBING UTILITIES. THE CONTRACTOR(S) SHALL CONTACT NC "ONE CALL" AT (800) 632-4349 FOR ASSISTANCE IN LOCATING EXISTING UTILITIES. CALL AT LEAST 48 HOURS PRIOR TO ANY DIGGING.
26. THE CONTRACTOR SHALL MAINTAIN AN "AS-BUILT" SET OF DRAWINGS TO RECORD THE EXACT LOCATION OF ALL PIPING PRIOR TO CONCEALMENT. DRAWINGS SHALL BE GIVEN TO THE OWNER UPON COMPLETION OF THE PROJECT WITH A COPY OF THE TRANSMITTAL LETTER TO THE ENGINEER.
27. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL REVIEW ALL PLANS AND SPECIFICATIONS AND THE JOB SITE. THE CONTRACTOR SHALL NOTIFY THE OWNER AND THE ENGINEER WHO PREPARED THE PLANS OF ANY DISCREPANCIES THAT MAY REQUIRE MODIFICATIONS TO THESE PLANS OR OF ANY FIELD CONFLICTS.
28. ALL PERMITS RELATIVE TO THE PROJECT MUST BE OBTAINED, PRIOR TO CONSTRUCTION. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH PERMITS ISSUED AND APPLICABLE STATE, COUNTY AND LOCAL CODES.
29. THE CONTRACTOR SHALL REFER TO THE ARCHITECTURAL DRAWINGS FOR ALL BUILDING DIMENSIONS.
30. CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONTRACTOR SHALL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY. THE REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS. CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY, AND HOLD THE OWNER AND DESIGN PROFESSIONAL HARMLESS OF ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, ACCEPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR DESIGN PROFESSIONAL.
31. ALL RECOMMENDATIONS/REQUIREMENTS OUTLINED IN THE SOILS REPORT AND ADDENDUMS TO THE SOILS REPORT CONTAINED IN THE CONTRACT DOCUMENTS SHALL BE INCORPORATED INTO THE EARTHWORK AND RELATED SPECIFICATIONS FOR THIS PROJECT.
32. IF BORROWED OR WASTE FILL MATERIAL IS GENERATED, AN APPROVED GRADING PERMIT MUST BE SECURED FOR THE BORROW OR WASTE MATERIAL SITE PRIOR TO INITIATION OF ANY LAND DISTURBING ACTIVITY.
33. UNLESS A PERMIT FROM NDEQ – DIVISION OF WASTE MANAGEMENT TO OPERATE A LANDFILL IS ON FILE FOR THE OFFICIAL SITE, ACCEPTABLE FILL MATERIAL SHALL BE FREE OF ORGANIC OR OTHER DEGRADABLE MATERIALS, MASONRY, CONCRETE AND BRICK IN SIZES EXCEEDING 12 INCHES, AND ANY MATERIALS WHICH WOULD CAUSE THE SITE TO BE REGULATED AS A LANDFILL BY THE STATE OF NORTH CAROLINA.
34. ALL CONSTRUCTED SEVERE SLOPES GREATER THAN 2:1 AND GREATER THAN FIVE (5) FEET IN HEIGHT, AN INSPECTION AND A STABILITY CERTIFICATE ARE REQUIRED BY A NORTH CAROLINA REGISTERED PROFESSIONAL ENGINEER WITH GEOTECHNICAL EXPERTISE SUFFICIENT TO PERFORM THE INSPECTION AND STABILITY ANALYSIS. FOR ALL CONSTRUCTED SEVERE SLOPES WITHIN PROPOSED OR EXISTING PUBLIC RIGHTS-OF-WAY, PERIODIC INSPECTIONS AND COMPACTION REPORTS ARE REQUIRED BY A NORTH CAROLINA REGISTERED PROFESSIONAL ENGINEER WITH GEOTECHNICAL EXPERTISE.

NOTE-2A

PRECAST CONCRETE CONSTRUCTION NOTES

1. ALL PRECAST COMPONENTS SHALL MEET REQUIREMENTS ASTM C-478, LATEST REVISION, AND ASTM C-890.
2. ALL "FORMED IN PLACE" CONCRETE SHALL BE CLASS "B", 4000 PSI MIN.
3. ALL PRECAST SECTIONS SHALL BE CONSTRUCTED PLUMB.
4. IF MANHOLES OR VAULTS ARE SET IN LOCATION OF HIGH WATER TABLE OR UNDERGROUND WATER IS ENCOUNTERED, THE CONTRACTOR SHALL INSTALL UNDER DRAINS AND STONE AS DIRECTED IN THE FIELD BY THE ENGINEER.
5. THE PRECAST SUPPLIER SHALL BE RESPONSIBLE FOR THE STRUCTURAL DESIGN OF THE STRUCTURE AND, WHEN REQUESTED BY THE ENGINEER, SHALL SUBMIT SHOP DRAWINGS AND DESIGN CALCULATIONS WHICH HAVE BEEN SIGNED AND SEALED BY A REGISTERED STRUCTURAL ENGINEER.

NOTE-8

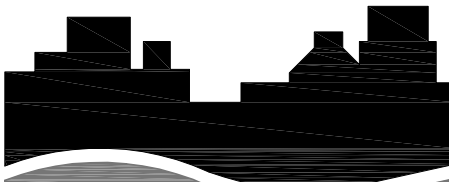
PRECAST CONCRETE CONSTRUCTION NOTES

1. ALL PRECAST COMPONENTS SHALL MEET REQUIREMENTS ASTM C-478, LATEST REVISION, AND ASTM C-890.
2. ALL "FORMED IN PLACE" CONCRETE SHALL BE CLASS "B", 4000 PSI MIN.
3. ALL PRECAST SECTIONS SHALL BE CONSTRUCTED PLUMB.
4. IF MANHOLES OR VAULTS ARE SET IN LOCATION OF HIGH WATER TABLE OR UNDERGROUND WATER IS ENCOUNTERED, THE CONTRACTOR SHALL INSTALL UNDER DRAINS AND STONE AS DIRECTED IN THE FIELD BY THE ENGINEER.
5. THE PRECAST SUPPLIER SHALL BE RESPONSIBLE FOR THE STRUCTURAL DESIGN OF THE STRUCTURE AND, WHEN REQUESTED BY THE ENGINEER, SHALL SUBMIT SHOP DRAWINGS AND DESIGN CALCULATIONS WHICH HAVE BEEN SIGNED AND SEALED BY A REGISTERED STRUCTURAL ENGINEER.

NOTE-8

THIS DOCUMENT AND THE INFORMATION PROVIDED HEREON IS COPYRIGHTED CONFIDENTIAL MATERIAL AND IS THE PROPERTY OF DAVIS CONSTRUCTORS, P.A.. PROVIDED AS AN INSTRUMENT OF SERVICE, THIS DOCUMENT MAY NOT BE COPIED, REPRODUCED, ALTERED, PROMISED TO ANY OTHER PARTY OR USED FOR ANYTHING OTHER THAN THE SPECIFIC PROJECT IDENTIFIED OR REFERRED TO HEREON OR USED FOR EXTENSION TO THIS PROJECT, IN PART OR IN WHOLE, WITHOUT THE EXPRESS WRITTEN PERMISSION OF DAVIS CONSTRUCTORS, P.A.

For Review



DCS PROJECT
Davis Constructors, P.A.
Site / Infrastructure

REVISIONS

<p>FISHER Fisher Architects, PA 351 Merrimon Avenue Asheville, NC 28801 Copyright 2021 Fisher Architects, PA</p>																																																																																																																																																																		
-----------------------------------------------------------------------------------------------------------------------------------------	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

D1	SHEET TITLE	
	Details	
	SHEET	DATE
		11-13-2024
		JOE NO.
		24108

SHEET	DATE	11-13-2024
	JOB NO.	24108

SEEDING NOTES

PERMANENT SEEDING

LAWN SEEDING MIXTURE

SPECIES	RATE (LB/ACRE)
KENTUCKY BLUEGRASS (20%)	260 LBS.
REBEL FESCUE (80%)	

SEEDING DATES

MOUNTAINS	MARCH 15 – MAY 15
	AUGUST 15 – OCTOBER 15

SOIL AMENDMENTS

FOLLOW RECOMMENDATIONS OF SOIL TESTS OR APPLY 2,000 LB/ACRE GROUND AGRICULTURAL LIMESTONE AND 750 LB/ACRE 10–10–10 FERTILIZER.

MULCH

APPLY 4,000 LB/ACRE STRAW. ANCHOR STRAW BY TACKING WITH ASPHALT, NETTING, OR A MULCH ANCHORING TOOL. A DISK WITH BLADES SET NEARLY STRAIGHT CAN BE USED AS A MULCH ANCHORING TOOL.

MAINTENANCE

RE–FERTILIZE IF GROWTH IN NOT FULLY ADEQUATE. RE–SEED, RE–FERTILIZE AND MULCH IMMEDIATELY FOLLOWING EROSION OR OTHER DAMAGE.

SLOPE SEEDING MIXTURE

SPECIES	RATE (LB/ACRE)
VALDA HARD FESCUE	20 LBS.
ASTRO TALL FESCUE	8 LBS.
PENLAJAN RED FESCUE	25 LBS.
PERENNIAL RYE	25 LBS.
KEN–BLU KENTUCKY BLUEGRASS	1.5 LBS.

SEEDING DATES

MOUNTAINS	MARCH 15 – MAY 15
	AUGUST 15 – OCTOBER 15

SOIL AMENDMENTS

FOLLOW RECOMMENDATIONS OF SOIL TESTS OR APPLY 2,000 LB/ACRE GROUND AGRICULTURAL LIMESTONE AND 400 LB/ACRE 18–46–50 FERTILIZER.

MULCH

APPLY 4,000 LB/ACRE STRAW. ANCHOR STRAW BY TACKING WITH ASPHALT.

MAINTENANCE

RE–FERTILIZE IF GROWTH IN NOT FULLY ADEQUATE. RE–SEED, RE–FERTILIZE AND MULCH IMMEDIATELY FOLLOWING EROSION OR OTHER DAMAGE.

TEMPORARY SEEDING FOR SUMMER

SEEDING MIXTURE

SPECIES	RATE (LB/ACRE)
GERMAN MILLET	40 LBS.

SEEDING DATES

MOUNTAINS	MAY 15 – AUGUST 15
PIEDMONT	MAY 1 – AUGUST 15
COASTAL PLAIN	APRIL 15 – AUGUST 15

SOIL AMENDMENTS

FOLLOW RECOMMENDATIONS OF SOIL TESTS OR APPLY 2,000 LB/ACRE GROUND AGRICULTURAL LIMESTONE AND 750 LB/ACRE 10–10–10 FERTILIZER.

MULCH

APPLY 4,000 LB/ACRE STRAW. ANCHOR STRAW BY TACKING WITH ASPHALT, NETTING, OR A MULCH ANCHORING TOOL. A DISK WITH BLADES SET NEARLY STRAIGHT CAN BE USED AS A MULCH ANCHORING TOOL.

MAINTENANCE

RE–FERTILIZE IF GROWTH IN NOT FULLY ADEQUATE. RE–SEED, RE–FERTILIZE AND MULCH IMMEDIATELY FOLLOWING EROSION OR OTHER DAMAGE.

NOTE-14

12"

18"

RESERVED PARKING

R7-8

12"

18"

RESERVED PARKING

R7-8a

12"

9"

MAXIMUM PENALTY \$250

R7-8D

12"

9"

VAN ACCESSIBLE

R7-8E

12"

26"

RESERVED PARKING

MAXIMUM PENALTY \$250

R7-8E

SIGN APPROVED FOR USE UNDER GENERAL STATUTE 20–37.6

COLORS: (ALL SIGNS)
LEGEND AND BORDER – GREEN
WHITE SYMBOL ON BLUE BACKGROUND
BACKGROUND – WHITE
ARROW – GREEN

"VAN ACCESSIBLE" SIGN WHEN REQUIRED

R7-8 OR R7-8A SIGN

R7-8D SIGN

3" DIAMETER GALVANIZED STEEL POST, PAINT BLACK.

FINISHED GRADE

PIPE SLEEVE

PER ADA CODE

3'-0"

HANDICAP PARKING SIGN

NOT TO SCALE

ST-26

SEEDING NOTES

TEMPORARY SEEDING FOR FALL

SEEDING MIXTURE

SPECIES	RATE (LB/ACRE)
RYE (GRAIN)	260 LBS.

SEEDING DATES

MOUNTAINS	AUGUST 15 – DECEMBER 15
PIEDMONT	AUGUST 15 – DECEMBER 15
COASTAL PLAIN	AUGUST 15 – DECEMBER 30

SOIL AMENDMENTS

FOLLOW RECOMMENDATIONS OF SOIL TESTS OR APPLY 2,000 LB/ACRE GROUND AGRICULTURAL LIMESTONE AND 1,000 LB/ACRE 10–10–10 FERTILIZER.

MULCH

APPLY 4,000 LB/ACRE STRAW. ANCHOR STRAW BY TACKING WITH ASPHALT, NETTING, OR A MULCH ANCHORING TOOL. A DISK WITH BLADES SET NEARLY STRAIGHT CAN BE USED AS A MULCH ANCHORING TOOL.

MAINTENANCE

REPAIR AND RE–FERTILIZE DAMAGED AREAS IMMEDIATELY. TOPDRESS WITH 50 LB/ACRE NITROGEN IN MARCH. IF IT IS NECESSARY TO EXTEND TEMPORARY COVER BEYOND JUNE 15, OVERSEED WITH 50 LB/ACRE SWITCHGRASS (PANICUM VIRGATUM) IN LATE FEBRUARY OR EARLY MARCH.

TEMPORARY SEEDING FOR WINTER & EARLY SPRING

SEEDING MIXTURE

SPECIES	RATE (LB/ACRE)
RYE (GRAIN)	120 LBS.
SWITCHGRASS (PANICUM VIRGATUM)	50 LBS.

SEEDING DATES

MOUNTAINS (ABOVE 2,500')	FEBRUARY 15 – MAY 15
MOUNTAINS (BELOW 2,500')	FEBRUARY 1 – MAY 1
PIEDMONT	JANUARY 1 – MAY 1
COASTAL PLAIN	DECEMBER 1 – APRIL 15

SOIL AMENDMENTS

FOLLOW RECOMMENDATIONS OF SOIL TESTS OR APPLY 2,000 LB/ACRE GROUND AGRICULTURAL LIMESTONE AND 750 LB/ACRE 10–10–10 FERTILIZER.

MULCH

APPLY 4,000 LB/ACRE STRAW. ANCHOR STRAW BY TACKING WITH ASPHALT, NETTING, OR A MULCH ANCHORING TOOL. A DISK WITH BLADES SET NEARLY STRAIGHT CAN BE USED AS A MULCH ANCHORING TOOL.

MAINTENANCE

RE–FERTILIZE IF GROWTH IN NOT FULLY ADEQUATE. RE–SEED, RE–FERTILIZE AND MULCH IMMEDIATELY FOLLOWING EROSION OR OTHER DAMAGE.

NOTE-15

GENERAL NOTES:

- WATER CONSTRUCTION ON THIS SITE IS AUTHORIZED BY PERMITS ISSUED BY THE NORTH CAROLINA DEPARTMENT OF ENVIRONMENTAL QUALITY (NCDEQ) AND AUTHORIZED BY THE CITY OF HENDERSONVILLE. THE WORK IS SUBJECT TO INSPECTIONS AT ALL TIMES BY REPRESENTATIVES OF THE CITY OF HENDERSONVILLE. THE ENGINEER OR THE CITY ENGINEER, THE PERMITS REQUIRE CERTIFICATION OF COMPLETION OF THE WATER SYSTEMS BY THE ENGINEER AND THE APPLICANT PRIOR TO ISSUANCE OF FINAL ORDINANCE.
- MATERIALS AND INSTALLATION FOR WATER CONSTRUCTION SHALL CONFORM TO THE LATEST VERSIONS OF CITY SPECIFICATION AND DETAILS AND ANNA STANDARDS AND REQUIREMENTS.
- CONTRACTOR SHALL NOTIFY NC811 & APPROPRIATE UTILITIES AGENCIES PRIOR TO PERFORMING ANY WORK.
- REGULAR WORKING HOURS SHALL BE FROM 7:00 AM TO 5:00 PM MONDAY THROUGH FRIDAY, EXCEPT IN CASES OF EMERGENCY OR OTHERWISE APPROVED IN WRITING BY THE CITY OR AUTHORIZED REPRESENTATIVES. THE CONTRACTOR SHALL ENSURE THE CONSTRUCTION SITE IS SAFE FOR ANY PERSONS WHO MAY BE ON SITE DURING NON-WORKING HOURS.
- ALL PERSONS SHALL BE COURTEOUS AND RESPECTFUL TO THE PUBLIC. CURSING OUR FOUL LANGUAGE IS NOT PERMITTED AND WILL NOT BE TOLERATED.
- THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING TRAFFIC CONTROL ON ALL ROADWAYS DURING THE PROJECT. THE CONTRACTOR SHALL NOTIFY LOCAL EMERGENCY, SCHOOL, AND OTHER NECESSARY AUTHORITIES PRIOR TO ANY STREET CLOSING OR TRAFFIC CHANGE.
- THE CONTRACTOR AT HIS OWN EXPENSE SHALL KEEP THE CONSTRUCTION SITE AND ADJACENT PUBLIC AND PRIVATE ROADWAYS CLEAN DURING THE PROJECT. THE CONTRACTOR IS ALSO RESPONSIBLE FOR CONTROLLING DUST WITHIN THE PROJECT AREA.
- THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION AND THE ELEVATION FOR ALL UTILITIES, DRAINAGE AND OTHER UNDERGROUND FACILITIES BOTH EXISTING AND PROPOSED, AND SHALL NOTIFY THE ENGINEER OF ANY DISCREPANCIES OR CONFLICTS PRIOR TO CONSTRUCTION.
- CONTRACTOR SHALL PROTECT EXISTING UTILITIES DURING CONSTRUCTION. REPAIRS SHALL BE MADE IN ACCORDANCE WITH APPLICABLE STANDARDS OF APPROPRIATE AGENCIES AT THE CONTRACTOR'S EXPENSE.
- DURING CONSTRUCTION THE CONTRACTOR SHALL MAINTAIN THE OPERATION OF EXISTING UTILITIES WITH THE LEAST AMOUNT OF SERVICE INTERRUPTION POSSIBLE IN COORDINATION WITH THE CITY OF HENDERSONVILLE. CONTRAHS SERVICE, PUBLIC HEALTH AND SAFETY CONSIDERATIONS SHALL EXCEED ALL OTHERS AND CONTRACTOR'S SCHEDULE, PLANS AND WORK SHALL AT ALL TIMES BE SUBJECT TO ALTERATION AND REDUCTION IF NECESSARY FOR THESE CONSIDERATIONS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE TEMPORARY OR PERMANENT RELOCATION OF STRUCTURES AND UTILITIES, INCLUDING BUT NOT LIMITED TO POLES, SIGNS, FENCES, HYDRAULIC VALVES, PIPING, CONDUITS AND DRAINAGE THAT INTERFERE WITH THE POSITIONING OF THE WORK AS SHOWN ON THE DRAWINGS.
- CONTRACTOR SHALL BE REQUIRED TO CONFORM AND COMPLY WITH ALL RESTRICTIONS AND EASEMENT CONDITIONS AND IS RESPONSIBLE FOR ALL RELATED INCIDENTAL COSTS INVOLVED.
- EXISTING WATER SERVICES SHALL BE REPLACED TO THE EXISTING METER UNLESS OTHERWISE APPROVED IN WRITING BY THE CITY. SPLICING OF THE WATER SERVICE ON THE DOWNSIDE OF THE METER IS NOT PERMITTED.
- ALL DISTURBED AREAS, INCLUDING BUT NOT LIMITED TO ASPHALT, CONCRETE, DRIVEWAYS, ROADS, LANDSCAPING, SHALL BE REPAIRED TO EQUAL OR BETTER CONDITION THAN THE ORIGINAL. SITE GRASS AND LANDSCAPED AREAS FILL MATERIAL MUST BE REPLACED IN ORDER TO GROW AS SOON AS MATERIAL CONSTRUCTION ALLOWING ADEQUATE SEEDING AND STRAW OR MULCH SHALL BE REQUIRED WITHIN THE DRAINAGE TRENCH AREAS. ADDITIONAL FILL AND SITE RESTORATION MAY BE REQUIRED WITHIN THE WARRANTY PERIOD AT THE CITY'S DISCRETION.
- CONTRACTOR SHALL PROVIDE EROSION CONTROL DEVICES TO CONTROL RUNOFF AS REQUIRED. THE CONTRACTOR IS RESPONSIBLE FOR ANY FINES THAT MAY BE LIVED DUE TO RUNOFF FROM CONSTRUCTION.
- IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO FOLLOW ALL APPLICABLE FEDERAL, STATE AND LOCAL HEALTH AND SAFETY REGULATIONS PERTAINING TO CONSTRUCTION OPERATIONS.
- ALL WATER MAINS SHALL HAVE 3 FEET MINIMUM COVER.
- INSTALL FERROUS PIPING FOR BOTH WATER AND SEWER WITHIN 10 FT. OF A CROSSING #1.
- SEWER LINE CROSSES OVER WATER, OR
- VERTICAL CLEARANCE BETWEEN WATER AND SEWER IS LESS THAN 18 INCHES.
- MAINTAIN 10 FEET HORIZONTAL SEPARATION BETWEEN SEWER AND WATER MAINS UNLESS LAID IN SEPARATE TRENCHES WITH THE BOTTOM OF THE WATER LINE AT LEAST 18 INCHES ABOVE THE TOP OF THE SEWER LINE OR USE FERROUS MATERIAL FOR BOTH WATER AND SEWER.
- MAINTAIN 18 INCHES VERTICAL SEPARATION BETWEEN STORM DRAIN AND WATER, OR INSTALL FERROUS MATERIAL WATER LINE WITHIN 10 FEET EACH SIDE OF CROSSING.
- TAPS GREATER THAN ONE-INCH IN DIAMETER IN EXISTING ACTIVE WATER MAIN ARE TO BE PERFORMED BY THE CITY UNLESS OTHERWISE APPROVED IN WRITING BY THE CITY. TAPS IN NEW CONSTRUCTION ARE TO BE PERFORMED BY THE CONTRACTOR IN ACCORDANCE WITH CITY REQUIREMENTS OF FINAL ORDINANCE.
- ALL WATER METERS WILL BE SET BY CITY STAFF UNLESS THE CONTRACTOR IS GRANTED WRITTEN PERMISSION BY THE CITY.
- THE CONTRACTOR WILL PROVIDE THE CITY NOTICE OF 10 WORKING DAYS MINIMUM PRIOR TO THE DATE OF METER INSTALLATION.
- THE CONTRACTOR WILL PROVIDE A LICENSED PLUMBER DURING THE METER INSTALLATION TO VERIFY LINE SERVICES IN ALL MULTI-METER BOXES.
- ALL PUBLIC WATER MAIN CONSTRUCTION SHALL BE PERFORMED BY A NORTH CAROLINA LICENSED UTILITY CONTRACTOR.
- ALL WATER APPURTENANCES ARE TO BE MADE USING LEAD FREE MATERIALS. PIPE, FITTINGS, VALVES, HYDRANTS, PIPE CLAMPS, RESTRAINTS, FLANGES, CASTINGS, RENEAL HATCHES, INLETS, METER BOXES AND ALL OTHER CAST IRON COMPONENTS SHALL BE MANUFACTURED IN THE USA.
- RESTRAINED JOINTS BY AN APPROVED PIPE MANUFACTURER ARE TO BE USED FOR ALL PUBLIC WATER LINES WHERE THRUST RESTRAINING IS REQUIRED IN ACCORDANCE WITH THE PLANS AND MANUFACTURER'S SPECIFICATION. CONCRETE THRUST BLOCKS ARE PERMITTED ONLY WHERE CONNECTORS ARE MADE TO EXISTING WATER LINES OR WHERE THE USE OF MECHANICAL RESTRAINT IS NOT FEASIBLE.
- ALL FIRE HYDRANTS, WALKS, BACKFLOW PREVENTERS, NOT BOXES AND WATER METERS ARE TO BE INSTALLED ON RELATIVELY FLAT AREAS OUTSIDE OF PAVEMENT.
- TAMPING WITH OR LEGAL USE OF THE PUBLIC WATER SUPPLY WILL RESULT IN SUSPENSION OF WATER SERVICE, INCLUDING DOMESTIC AND COMMERCIAL, UNTIL FINAL APPROVAL BY THE CITY IS ISSUED. A PERSON FOUND TO BE USING WATER ILLEGALLY SHALL BE SUBJECT TO FINES OR FINES, AS PRESCRIBED AND APPROVED BY CITY COUNCIL.

TESTING & INSPECTION

- NOTIFY THE CITY OF HENDERSONVILLE AND ENGINEER AT LEAST 5 WORKING DAYS BEFORE STARTING CONSTRUCTION OF WATER FACILITIES TO SCHEDULE A PRE-CONSTRUCTION CONFERENCE. THE ENGINEER SHALL PHYSICALLY INSPECT THE PROPOSED WATER INSTALLATION AT A MINIMUM AND SHALL COMPLETE A FINAL WATER CERTIFICATION.
- ALL CHANGES TO THE APPROVED CONSTRUCTION PLANS AND SUBMITTALS MUST BE APPROVED IN WRITING BY THE CITY PRIOR TO IMPLEMENTATION IN THE FIELD.
- THE CONTRACTOR SHALL FURNISH SECURE AND PROVIDE ALL NECESSARY TESTING MATERIALS, EQUIPMENT, LINES, THE CONTRACTOR SHALL COORDINATE TESTING, FLOODING, DISINFECTION, AND BACTERIOLOGICAL SAMPLING WITH CITY INSPECTOR.
- THE ENGINEER OR CONTRACTOR SHALL NOTIFY THE CITY CONSTRUCTION INSPECTORS 72 HOURS (MINIMUM) PRIOR TO ANY WATER MAIN OR TESTING OPERATIONS. AT A MINIMUM, THE CITY SHALL BE NOTIFIED PRIOR TO TAPS, TESTING, FLOODING, DISINFECTION, AND SAMPLING.
- PRESSURE TEST WATER MAINS TO 200 PSI MIN. FOR A MINIMUM OF TWO HOURS IN ACCORDANCE WITH CITY REQUIREMENTS AND ANNA CODE.
- DISINFECT WATER LINES AND PROVIDE ACCEPTABLE BACTERIOLOGICAL TEST FROM A CERTIFIED TESTING LABORATORY IN ACCORDANCE WITH CITY REQUIREMENTS AND ANNA CODE. THE CONTRACTOR MAY ELECT TO USE THE CITY'S CERTIFIED TESTING LABORATORY.
- PRIVATELY OWNED FIRE SYSTEMS SHALL BE APPROVED BY THE APPROPRIATE LOCAL PERMITTING AUTHORITY. THE CITY ENGINEERING OR WATER AND SEWER DEPARTMENTS ARE NOT RESPONSIBLE FOR EXISTING OR PROPOSED FIRE PROTECTION SYSTEMS. THE CITY DOES NOT PROVIDE ANY GUARANTEE OF ITS WATER SYSTEM'S CAPABILITY TO DELIVER WATER FLUX AND RESIDUAL PRESSURE. THE FIRE PERMITTING AUTHORITY MAY REQUIRE.
- ALL BACKFLOW PREVENTION ASSEMBLIES SHALL BE USED APPROVED AND REVIEWED BY THE CITY'S ENVIRONMENTAL COMPLIANCE COORDINATOR. PROTECTION OF THE PUBLIC WATER DISTRIBUTION SYSTEM SHALL BE ASSURED BY INSPECTION OF THE INSTALLATION AND TESTING OF BACKFLOW PREVENTION DEVICES IN ACCORDANCE WITH APPROPRIATE LOCAL, STATE, AND FEDERAL REGULATIONS.
- CONSTRUCTION WATER SOURCING MUST BE APPROVED IN WRITING BY THE CITY. CONSTRUCTION WATER CONNECTIONS SHALL BE PAIRED WITH AN IRRIGATION METER AND APPROVED BACKFLOW PREVENTION ASSEMBLY. THIS ASSEMBLY INSTALLATION MUST BE TESTED BY A LICENSED PLUMBER AND TEST RESULTS SUBMITTED TO THE CITY BEFORE USE OF CONSTRUCTION WATER.
- SECURE FINAL WRITTEN ACCEPTANCE FROM THE CITY OF HENDERSONVILLE PRIOR TO ACTIVATION OF THE SYSTEM. WATER SERVICE WILL NOT BE PROVIDED UNTIL WRITTEN ACCEPTANCE OF THE SYSTEM IS ISSUED BY THE CITY.
- THE ENGINEER SHALL SUPPLY THE CITY WITH FINAL AS-BUILT DRAWINGS AND COMPLETE ALL PROJECT CLOSE OUT REQUIREMENTS.

DISCLAIMER:

THE STANDARD WATER DETAILS ARE FOR THE SOLE USE OF PROJECTS DIRECTLY FOR, OR THOSE PROJECTS IN WHICH OWNERSHIP WILL BE TRANSFERRED TO THE CITY OF HENDERSONVILLE. THESE TYPICALS ARE INTENDED TO SHOW THE CITY OF HENDERSONVILLE'S EXPECTATIONS FOR THE GENERAL LAYOUT, ARRANGEMENT, AND THE QUALITY OF EQUIPMENT AND MATERIALS FOR WATER DISTRIBUTION SYSTEM ITEMS AND THEIR RELATED APPLICATIONS. IT REMAINS THE SOLE RESPONSIBILITY OF THE ENGINEER IN RESPONSIBLE CHARGE (ERC) OF EACH APPLICATION TO DETERMINE, DESIGN TO, AND CERTIFY TO THE DESIGN PARAMETERS FOR EACH INSTALLATION. THE ERC MUST ALSO ENSURE THE DESIGN COMPLETES WITH THE MINIMUM DESIGN CRITERIA OF NC DIVISION OF ENVIRONMENTAL QUALITY AND ALL LOCAL AND STATE LAWS AND REGULATIONS.

DATE: 05/22/2023

VD DWG. NO. 1

SCALE: NOT TO SCALE

City of Hendersonville Engineering Department
305 Williams Street
Hendersonville, NC 28792
(828) 697-3000 (office)
www.cityofhendersonville.org

HYDDETAILS, Current Standard DetailWater OnlyUpdated: Water_Details_BulletinMark-52223.dwg, 5/22/2023 10:22:50 AM

WATER DETAILS
GENERAL NOTES

PROPOSED SIDEWALK (CONC. 4000 P.S.I. MIN.)

GRASSED UTILITY STRIP

EXISTING OR PROPOSED 2'-6" CURB AND GUTTER

1/2"/FT.

1/4"/FT.

4" ABC STONE

TYPICAL SECTION

BROOM FINISH SURFACE PERPENDICULAR TO DIRECTION OF TRAFFIC

1/8" TO 1/4" JOINT SEALER

1/2" JOINT FILLER

TRANSVERSE EXPANSION JOINTS 30' O.C. & ADJACENT TO ALL RIGID OBJECTS

V-SHAPED TOOLED JOINT

1/8" RADIUS

1"

1/2"

SIDEWALK GROOVE JOINTS SPACING AT WIDTH OF SIDEWALK

NOTES:

- TRANSVERSE EXPANSION JOINTS TO BE A MAXIMUM OF 50 FEET.
- ALL CONCRETE TO BE FINISHED WITH CURING COMPOUND.
- THE CONSTRUCTION OF A SIDEWALK MAY UTILIZE ASPHALT (TYPE 1-1 OR 1-2) MATERIAL UPON PRIOR APPROVAL BY THE PROJECT ENGINEER. IN SUCH CASES THE CONSTRUCTION SHALL CONSIST OF FOUR (4) INCHES C&C AND TWO (2) INCHES OF TYPE 1-1 OR 1-2.

PLAN VIEW

SIDEWALK

PROPOSED

WIDTH PER PLAN

ST-36

STANDARD SIDEWALK

NOT TO SCALE

ST-36

For Review

DCS PROJECT NO.: 24126

Davis CivilSolutions, PA

Site/Infrastructure Engineering/Planning

135-A Charlotte Highway • Asheville, North Carolina 28803

828.299.9449 PH1 • www.daviscivilsolutions.com • License No.: C-2580

REVISIONS

Site Development for
Shealy Trucking Center - WNC
Old Johnson Farm Road

116 Old Johnson Farm Road, Fletcher, North Carolina

SHEET TITLE

Details

SHEET

DATE

11-13-2024

JOB NO.

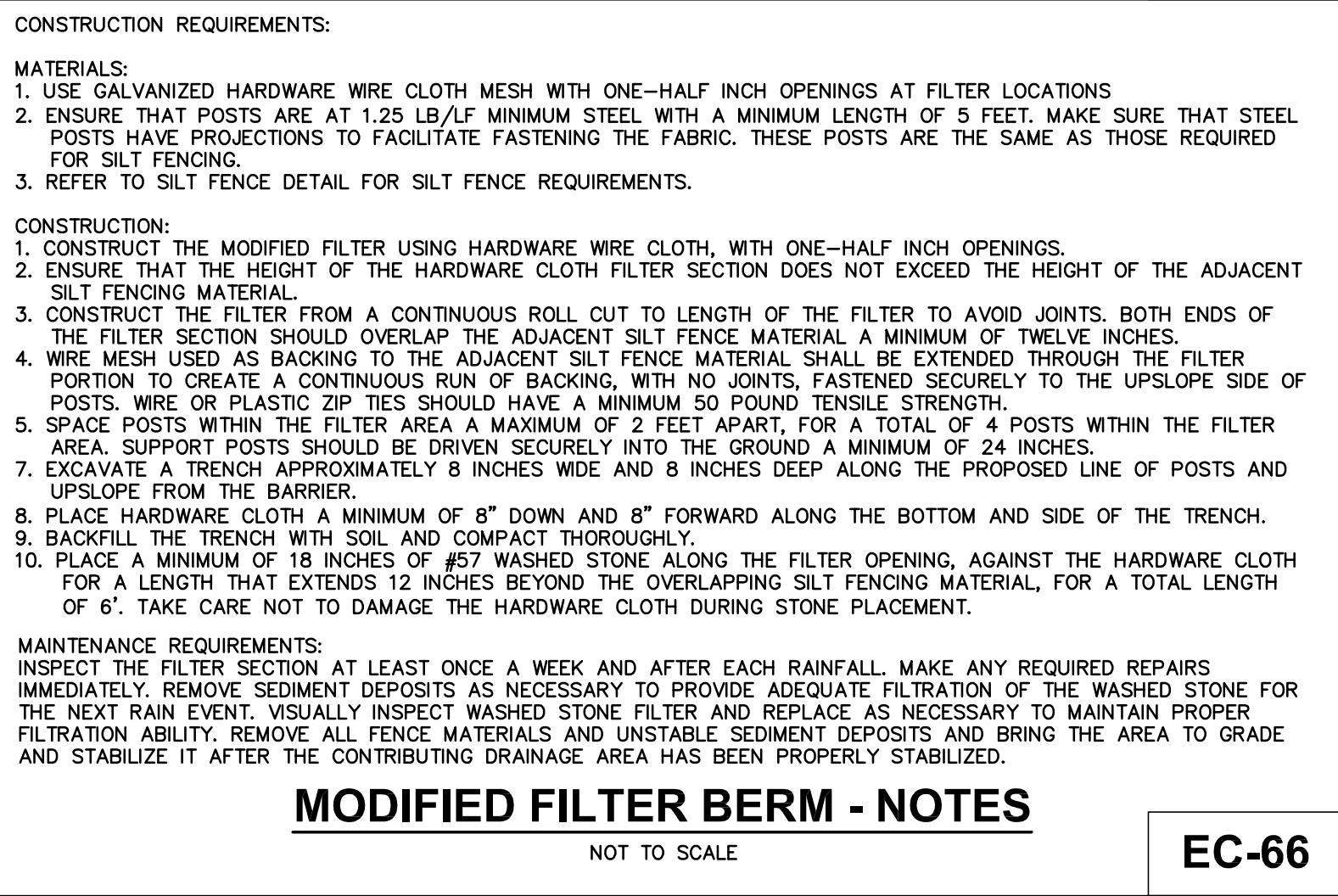
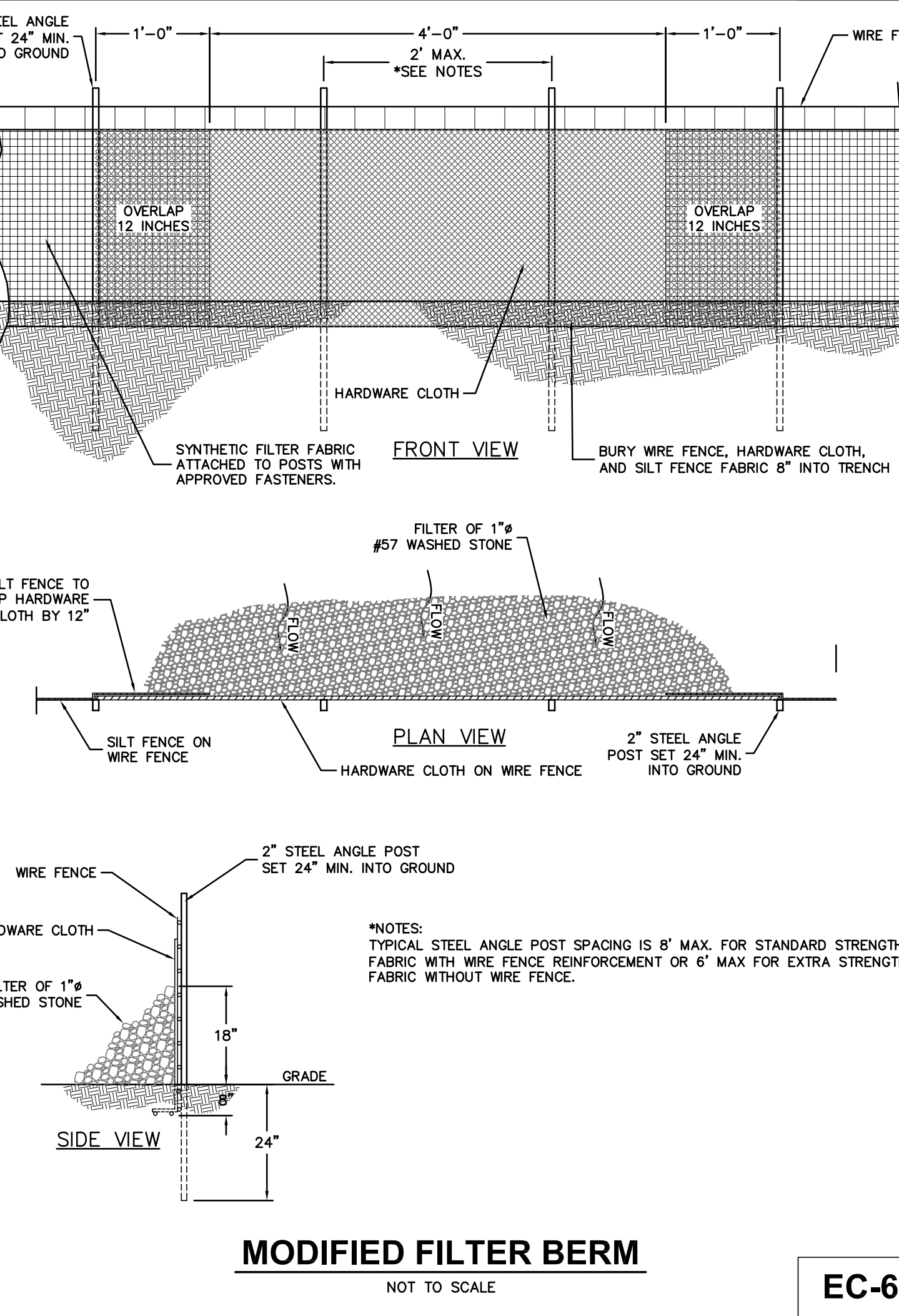
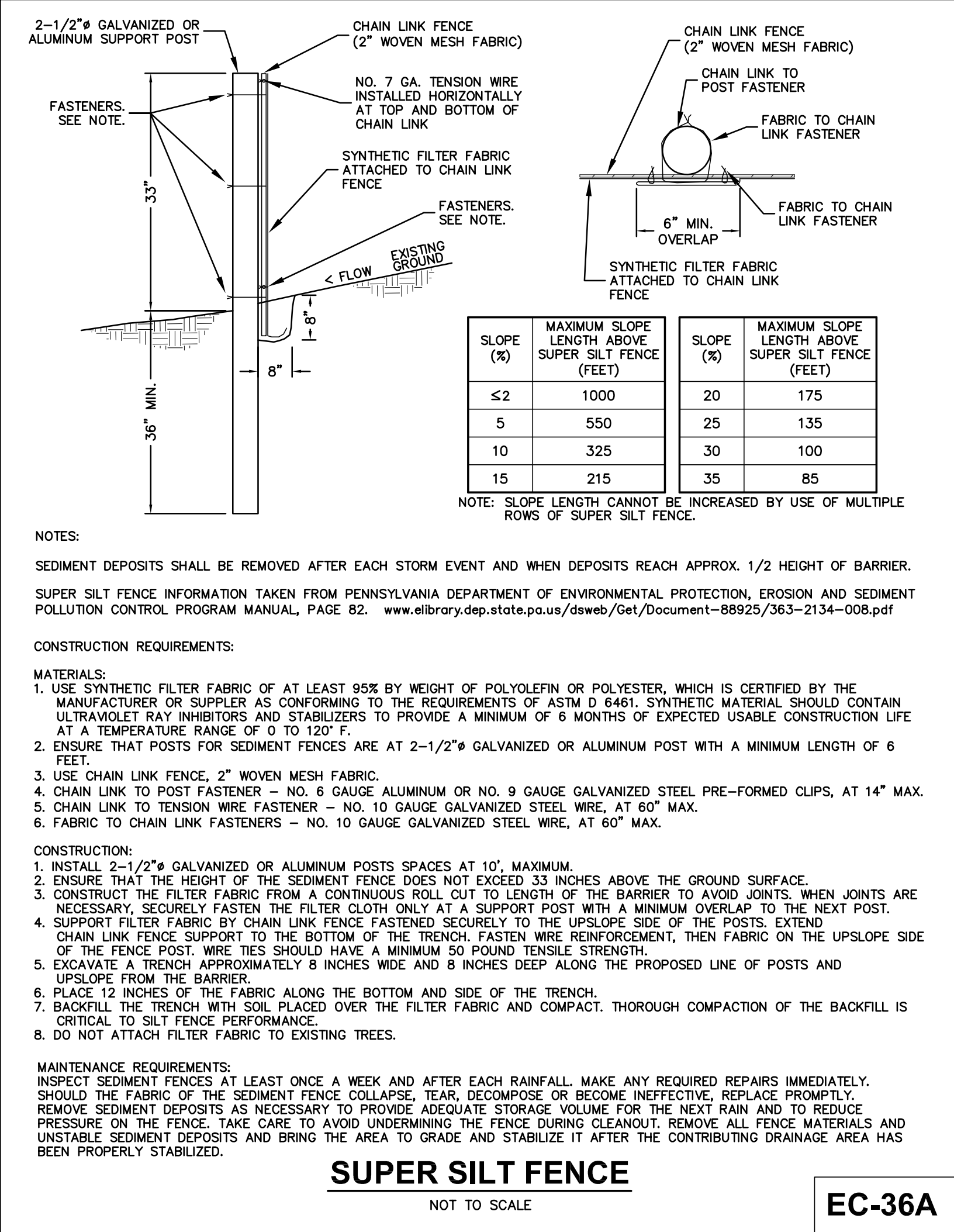
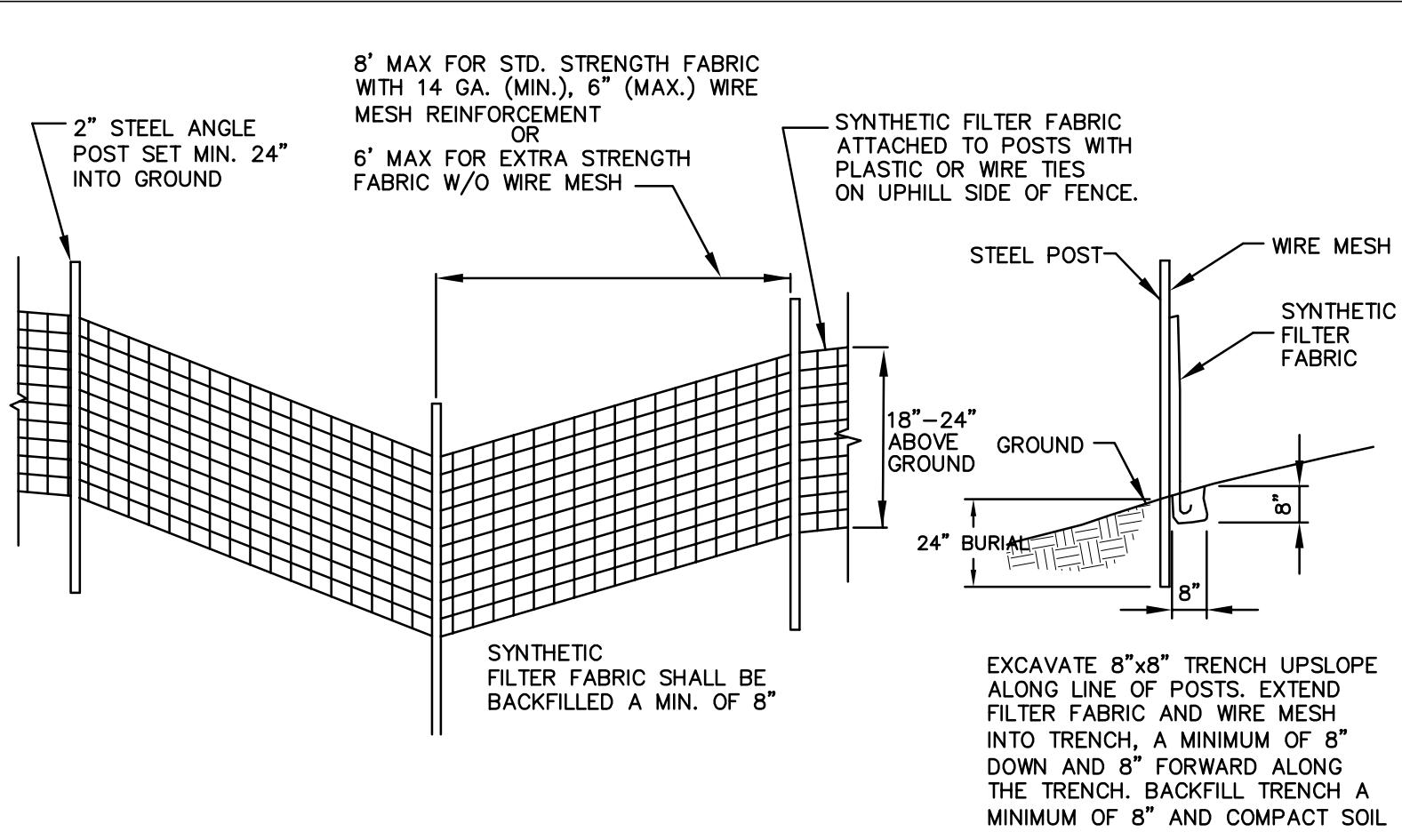
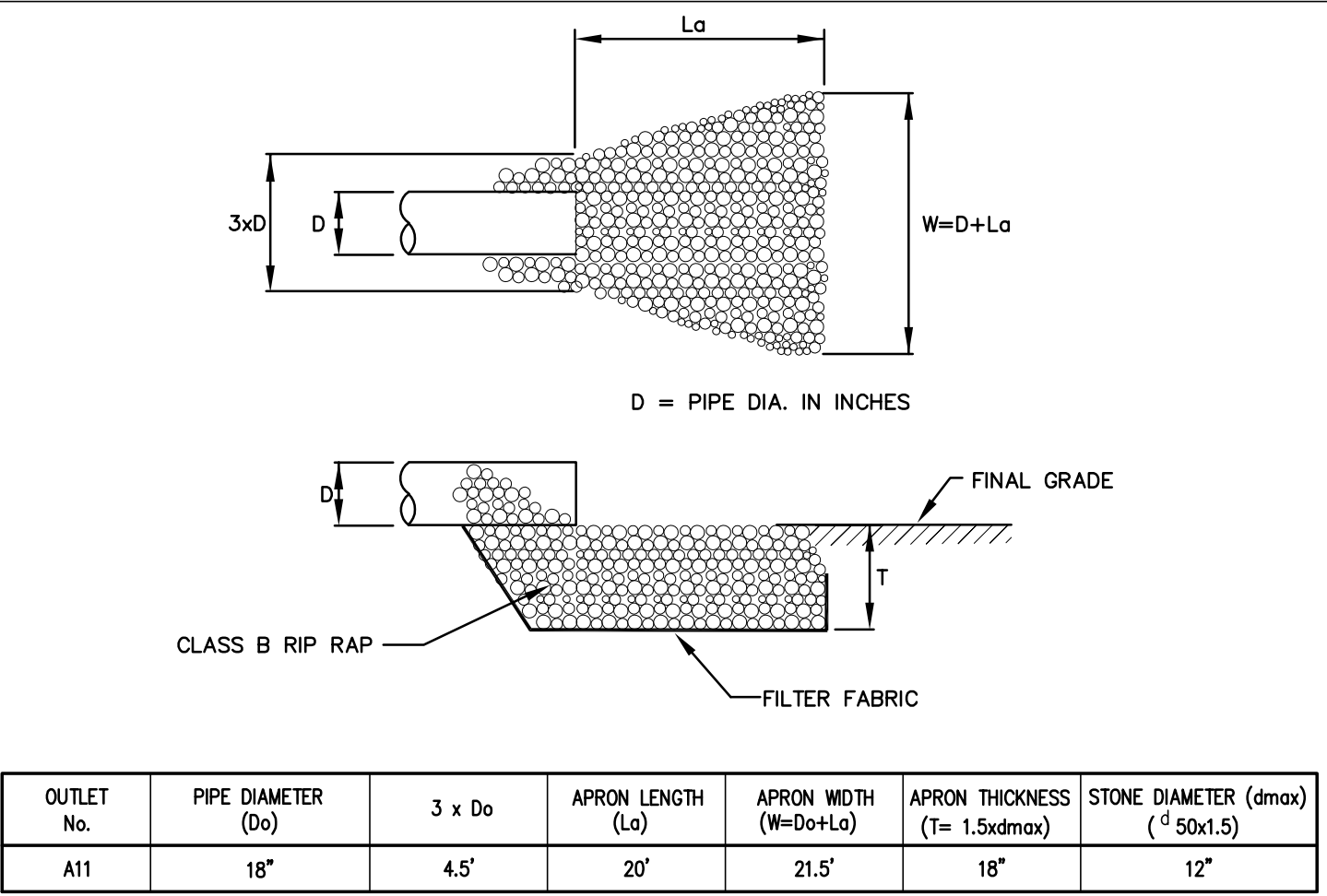
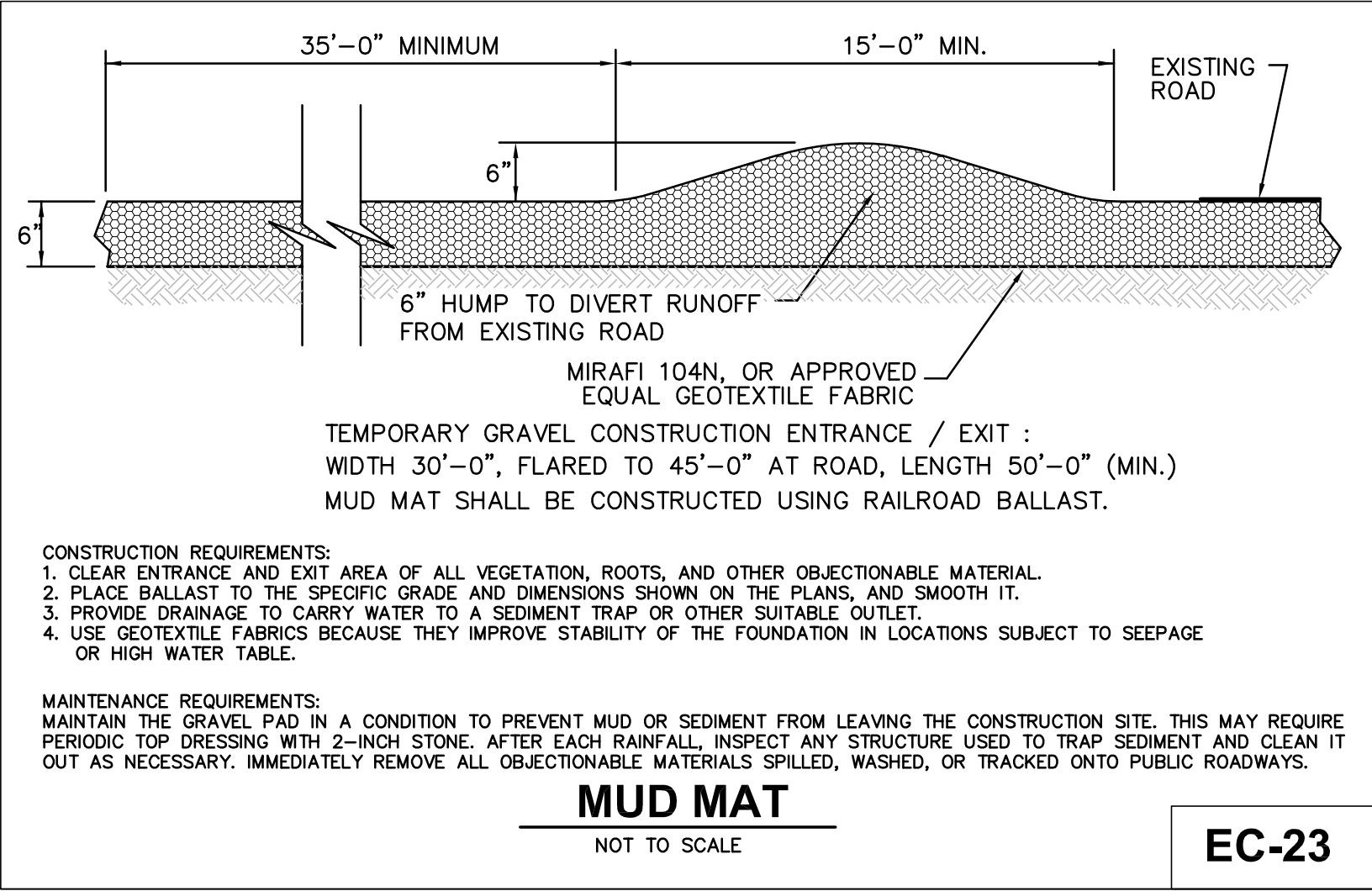
24108

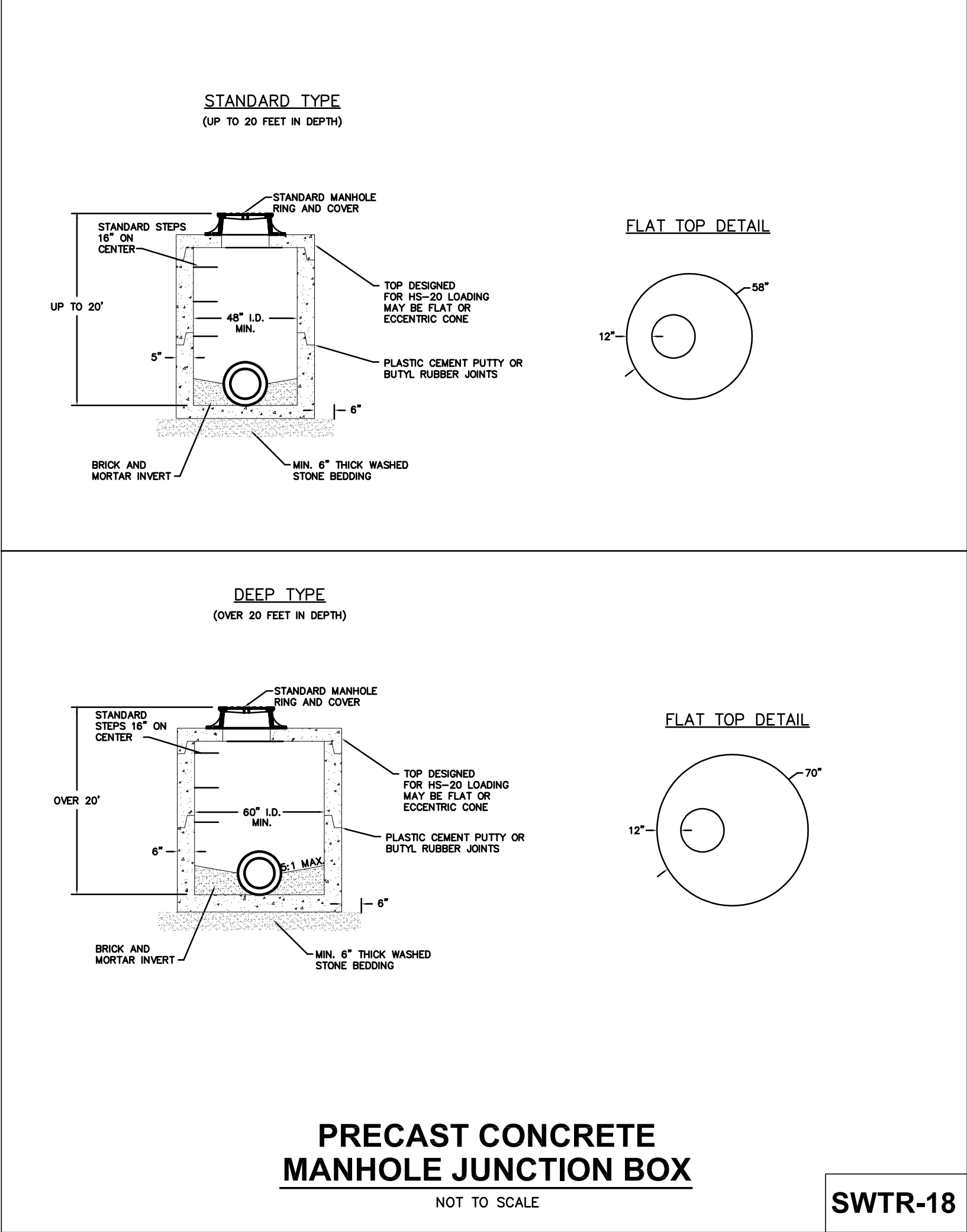
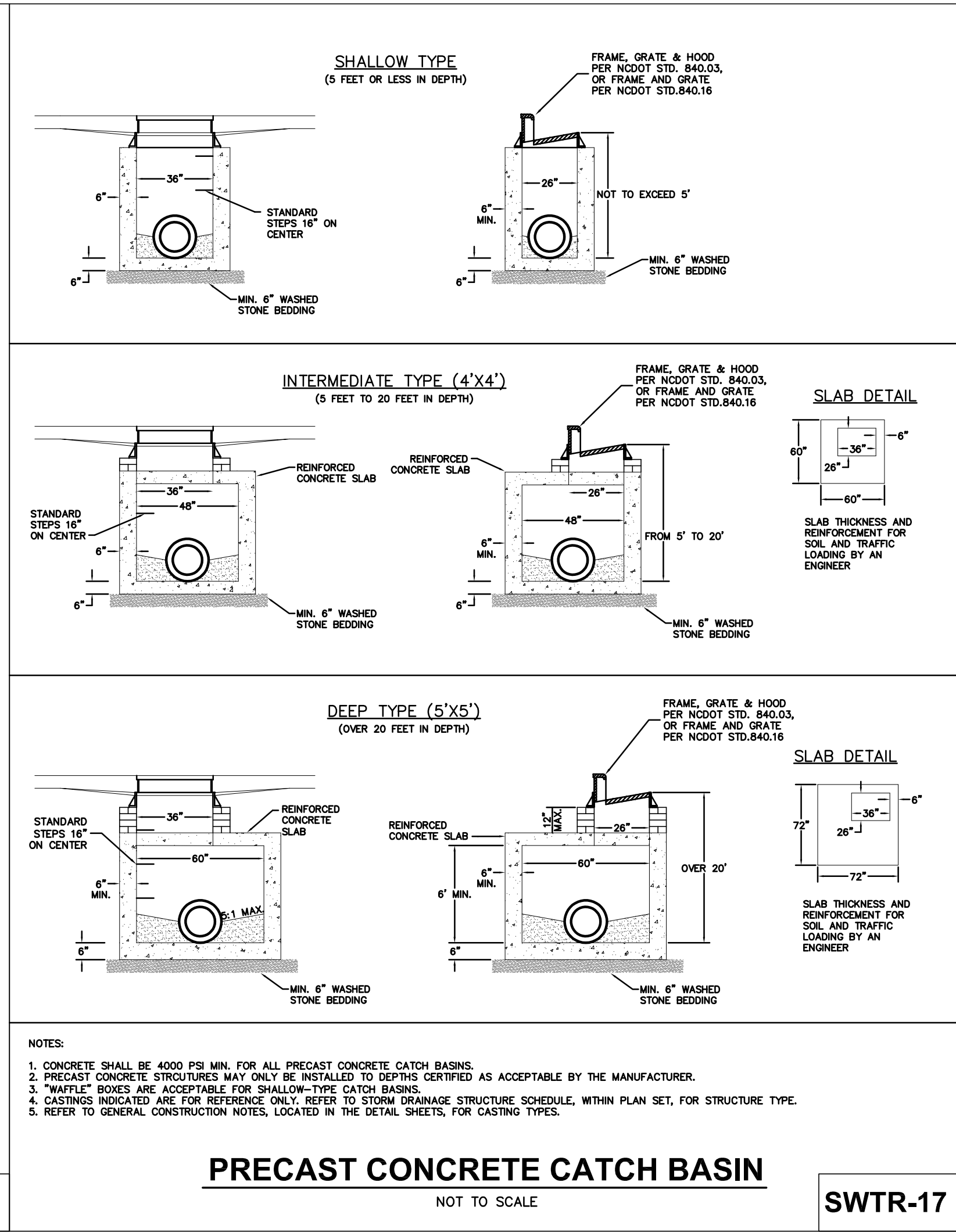
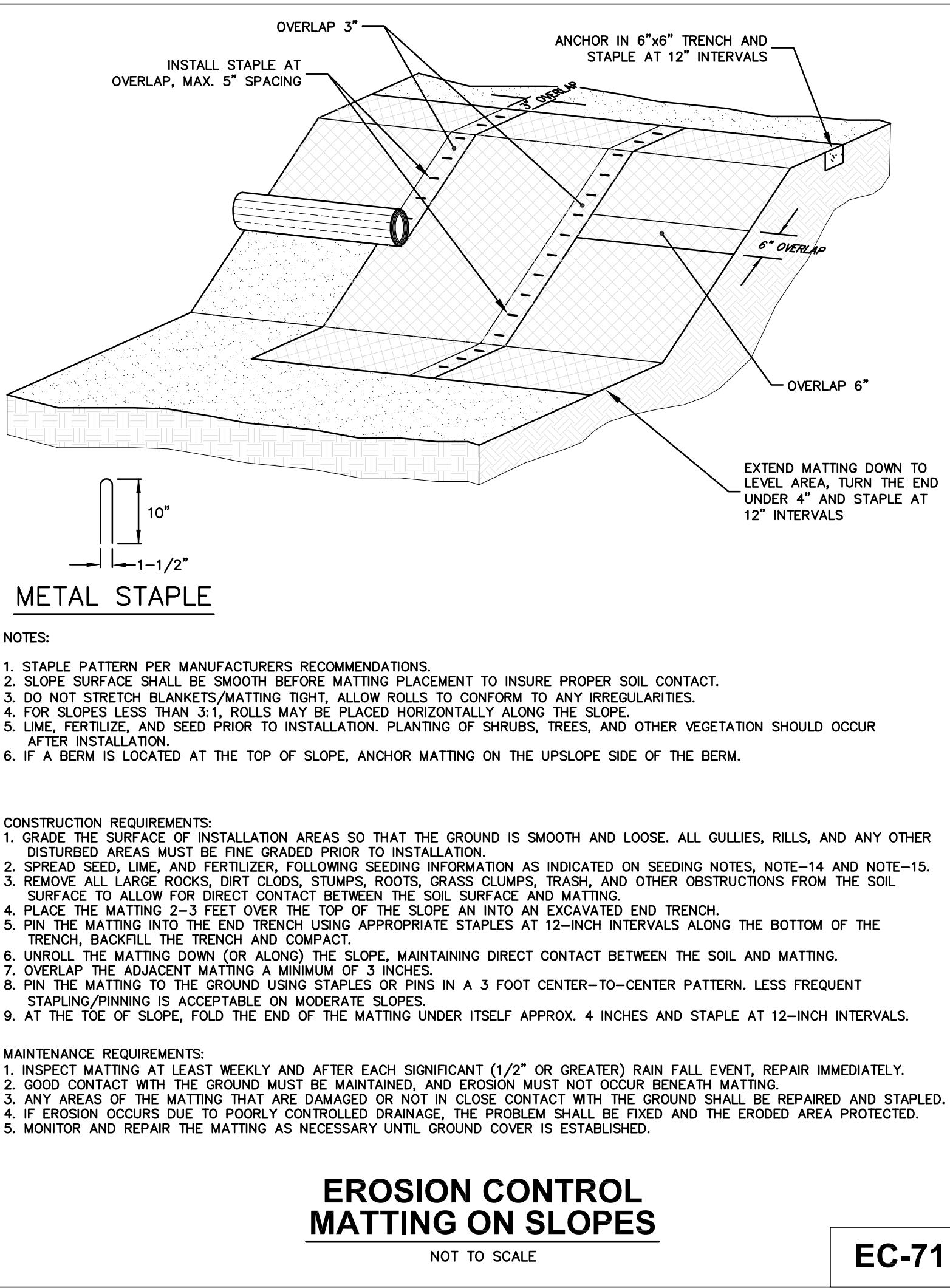
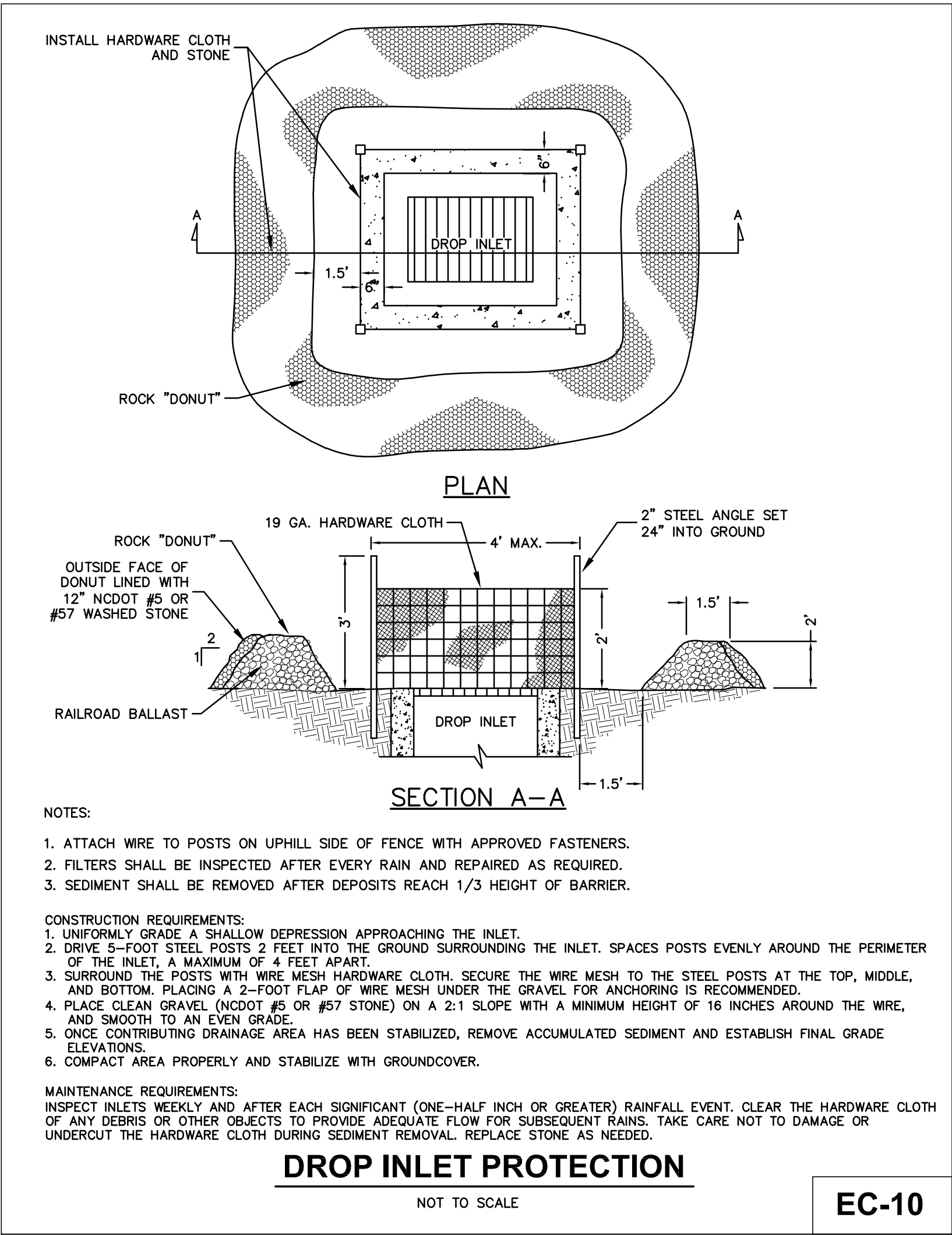
D2



DCS PROJECT NO.: 24126
Davis CivilSolutions, PA
 Site/Infrastructure Engineering/Planning
 135-A Charlotte Highway • Asheville, North Carolina 28803
 828.299.9449 PH | www.daviscivsolutions.com • License No.: C-2580

D3	SHEET	DATE	11-13-2024
		JOB NO.	24108





For Review

DCS PROJECT NO.: 24126

Davis CivilSolutions, PA

Site/Infrastructure Engineering/Planning

135-A Charlotte Highway • Asheville, North Carolina 28803

828.299.9449 PH • www.daviscivilsolutions.com • License No.: C-2580

Copyright 2024
DAVIS CIVILSOLUTIONS, P.A.
ALL RIGHTS RESERVED

Details

DATE 11-13-2024

JOB NO. 24108

D6

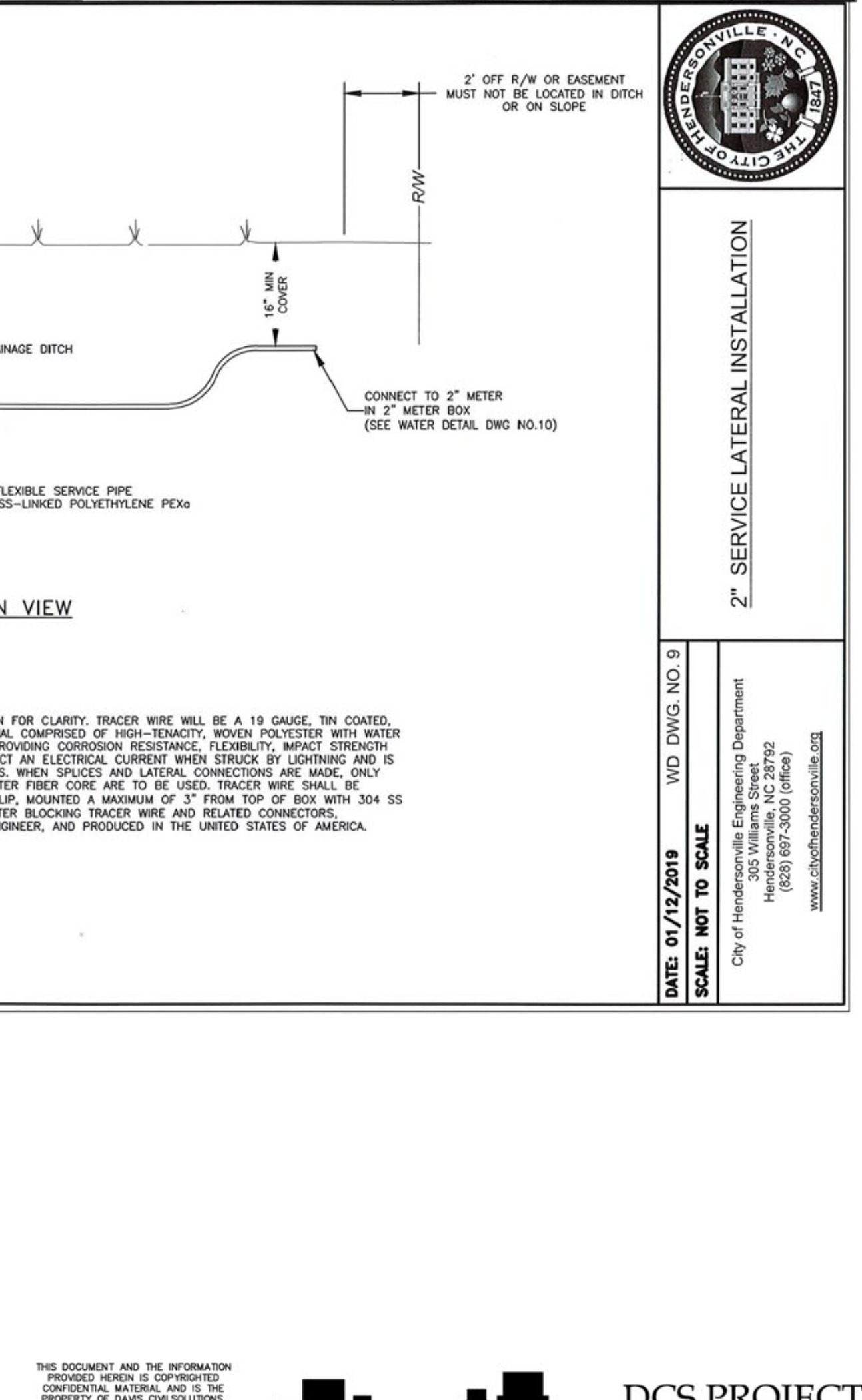
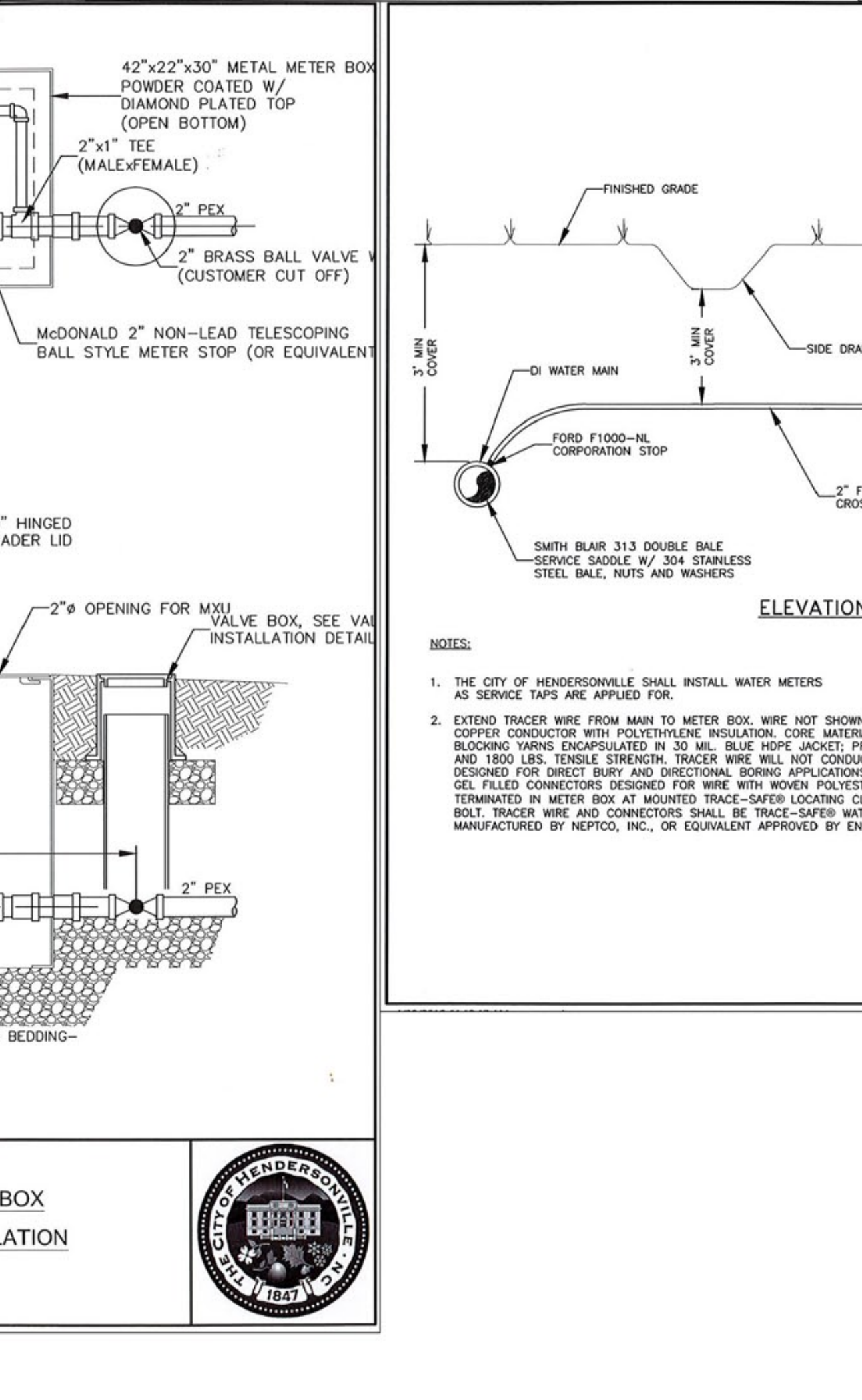
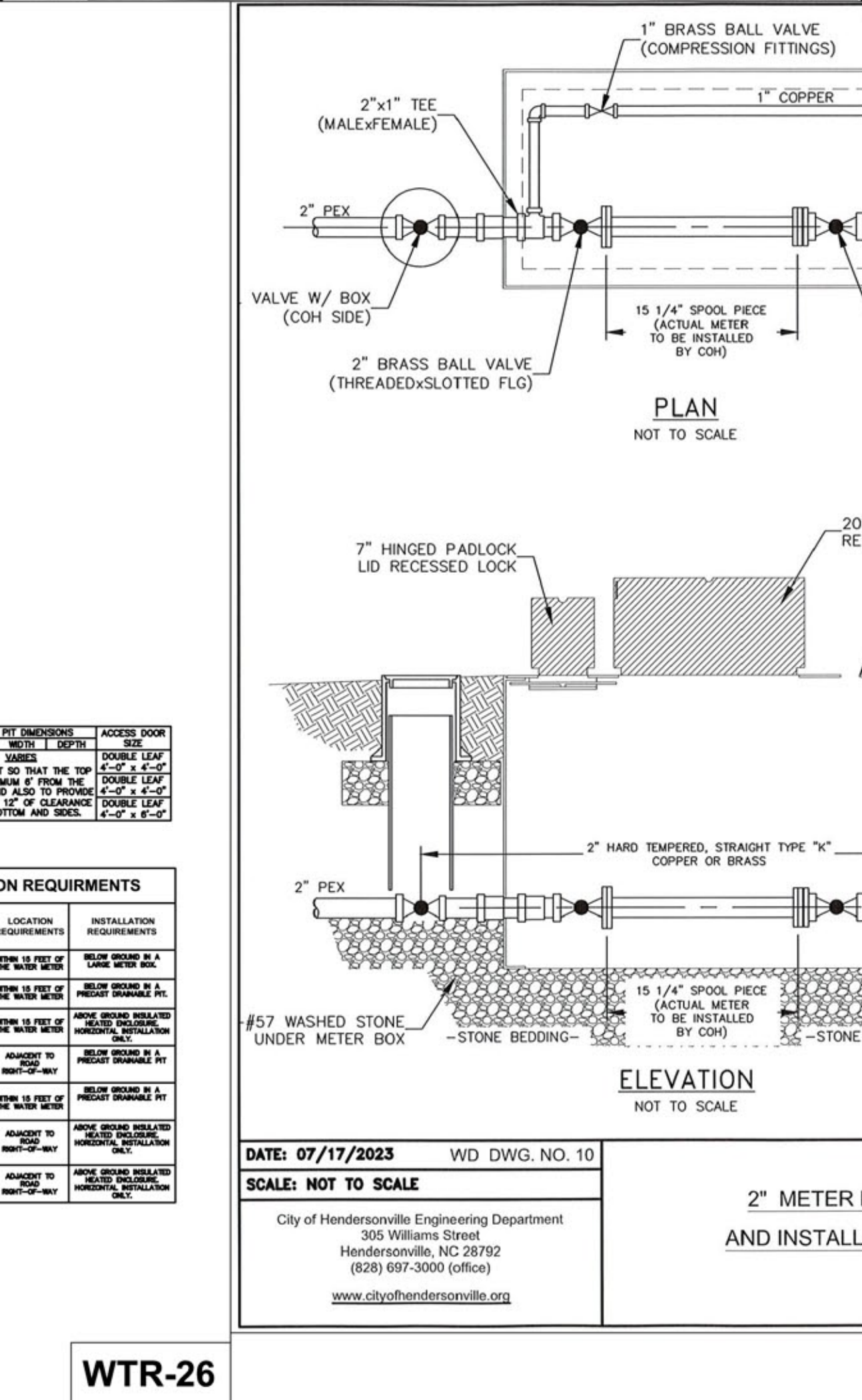
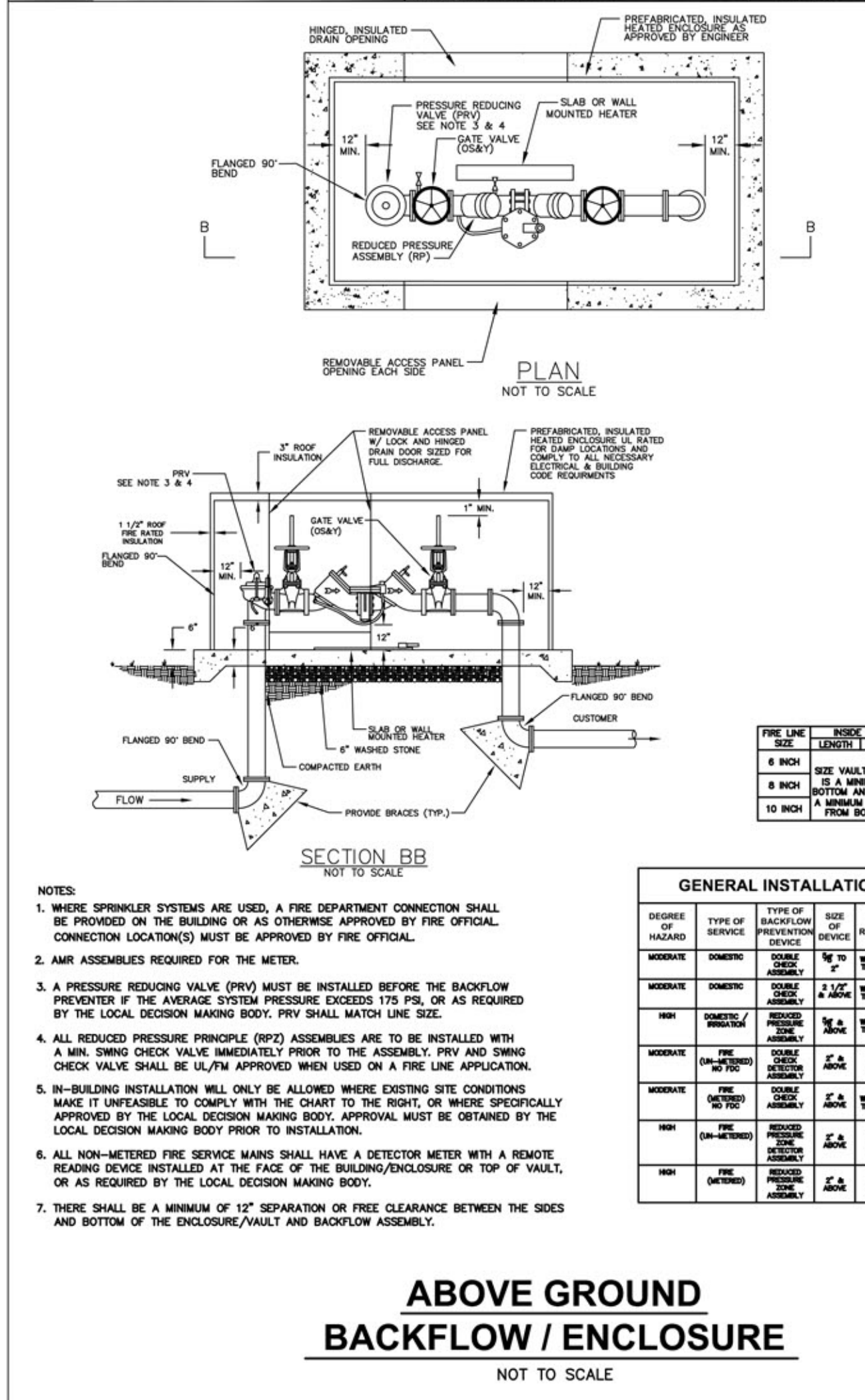
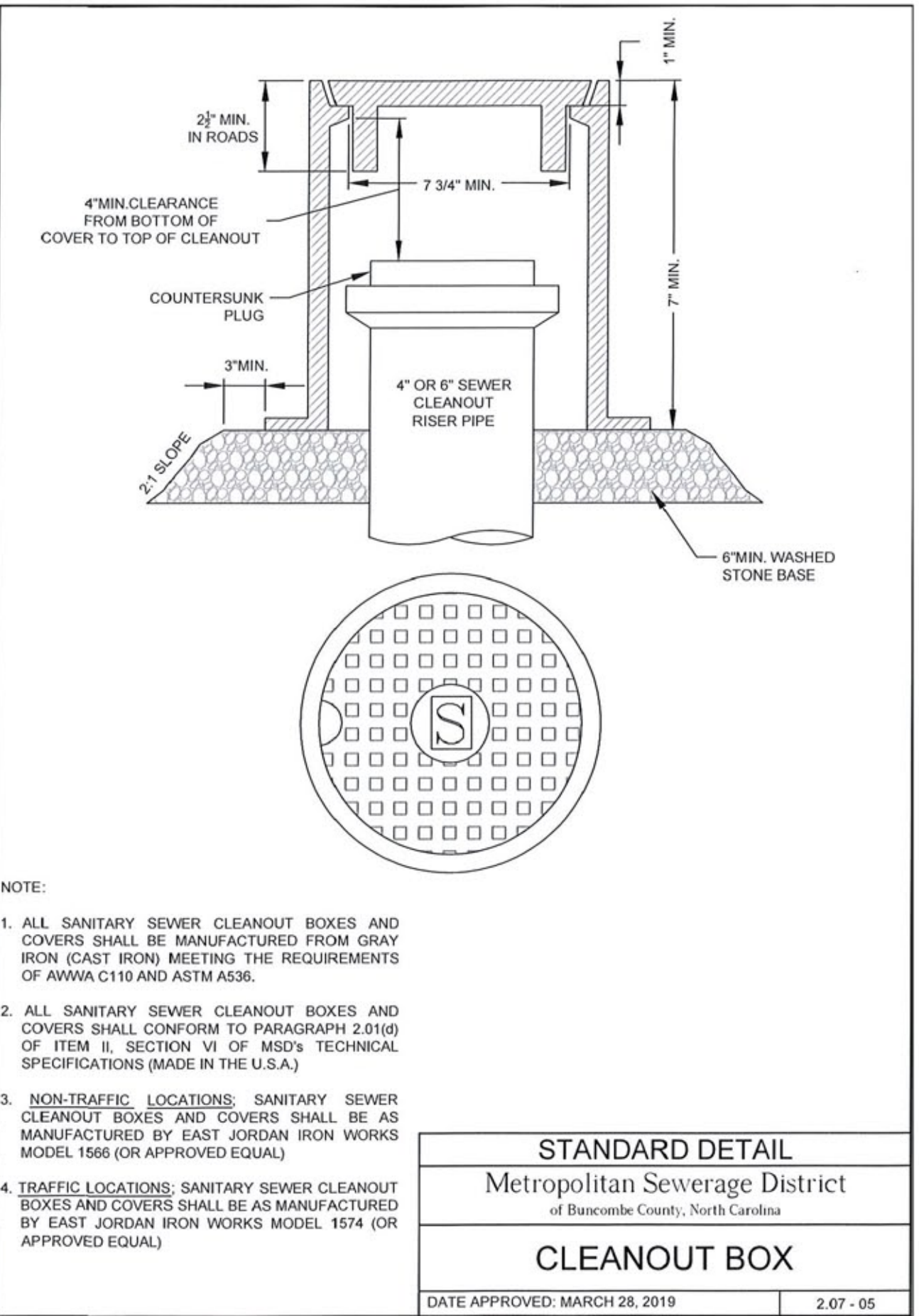
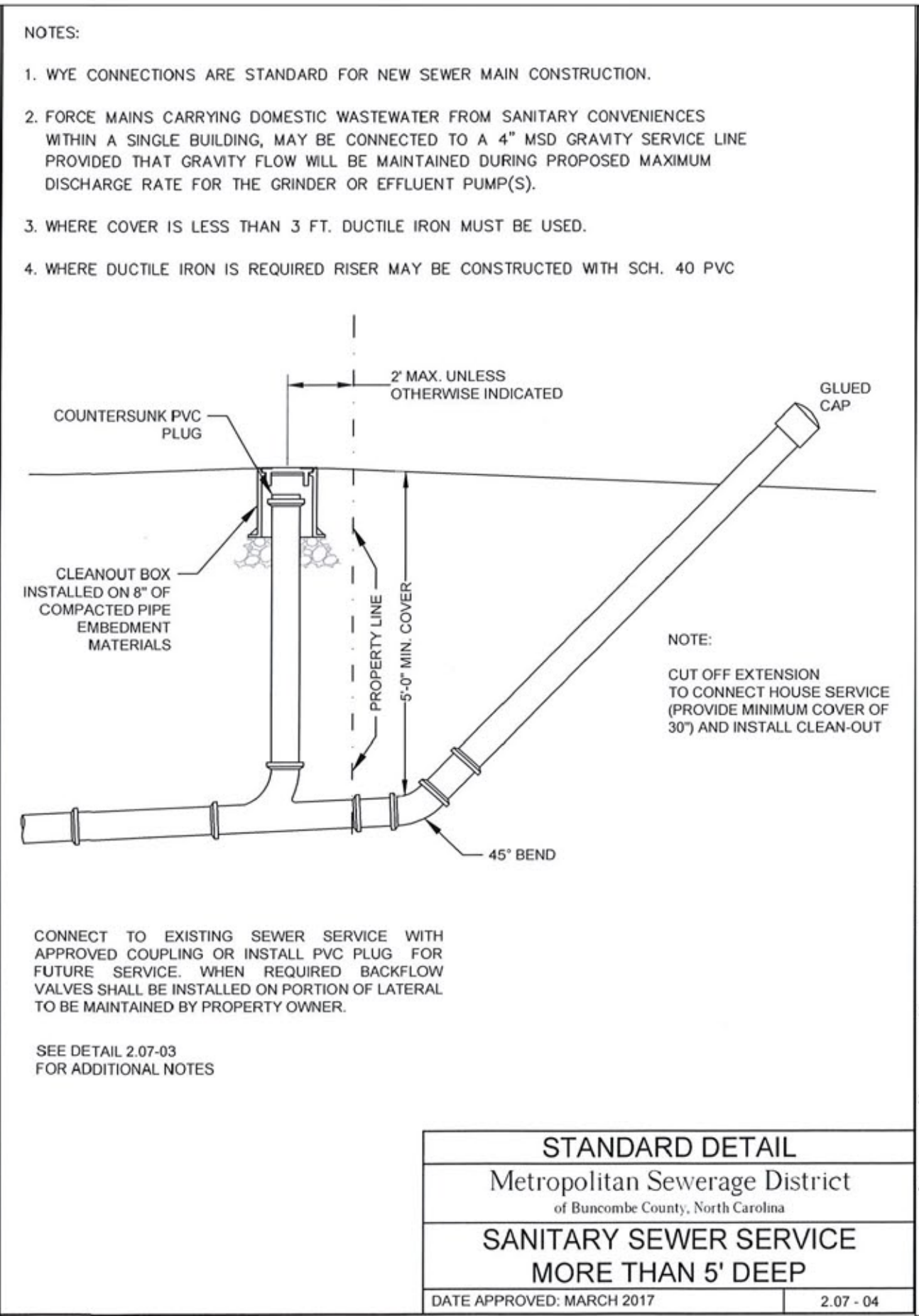
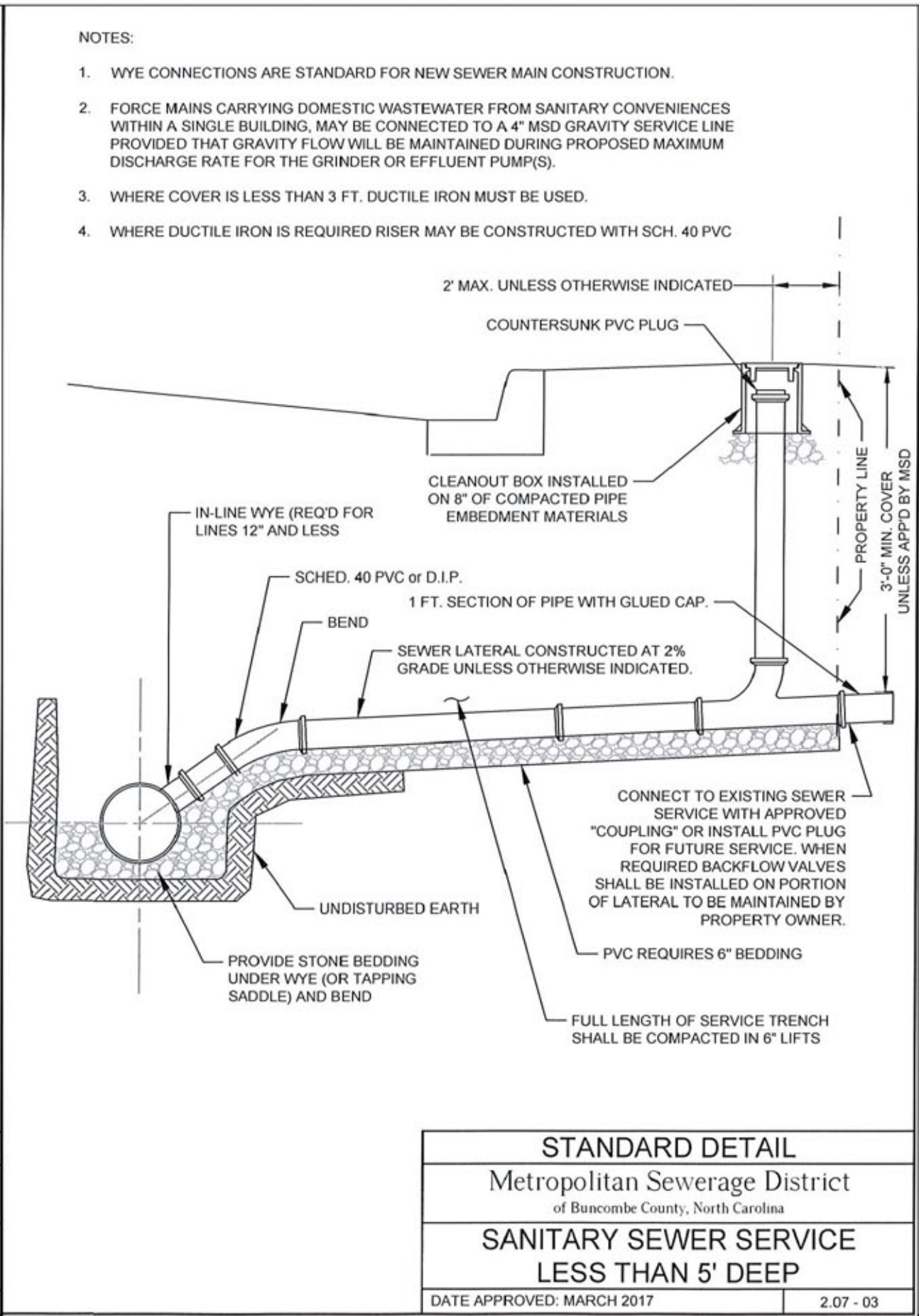
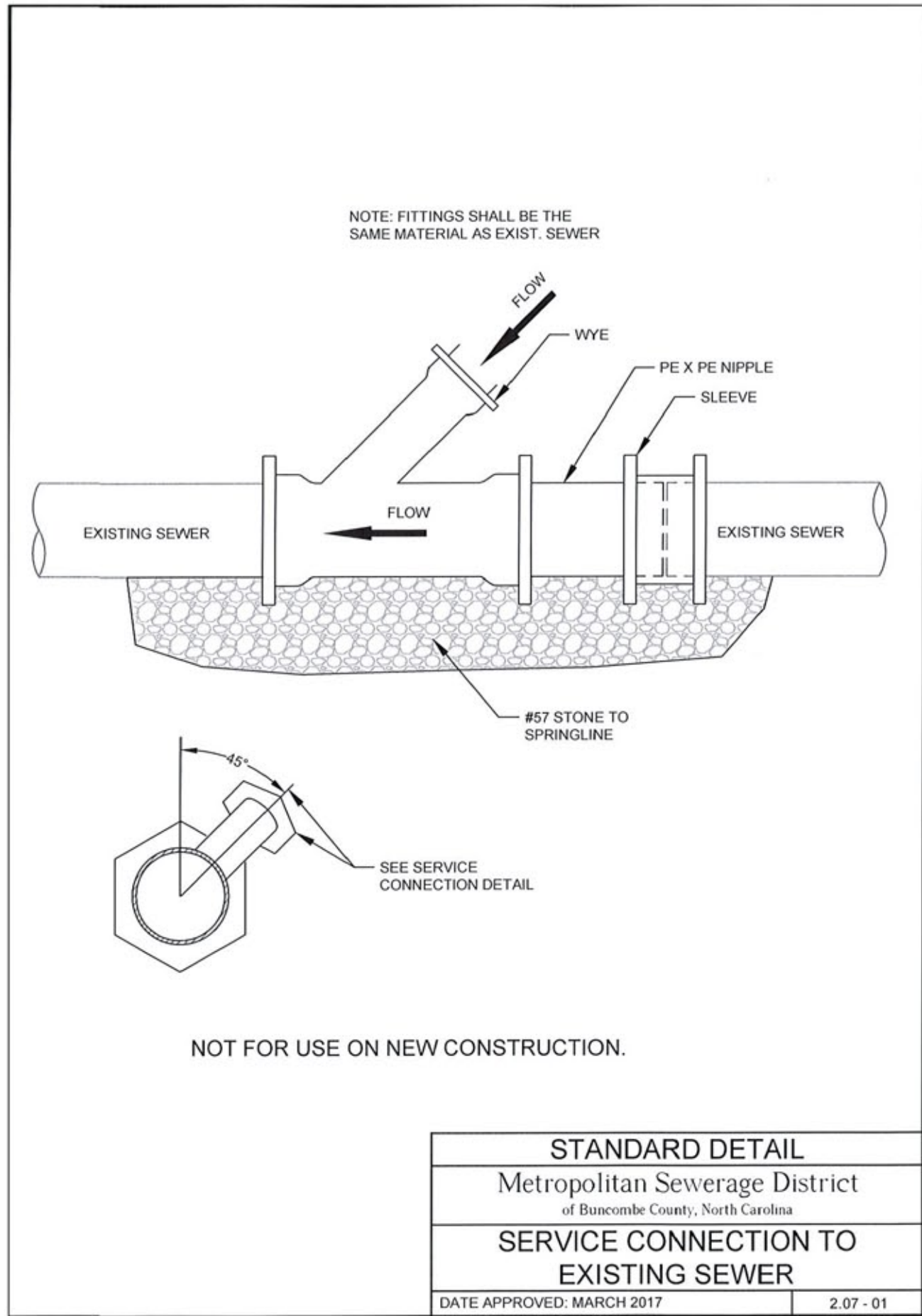
REVISIONS

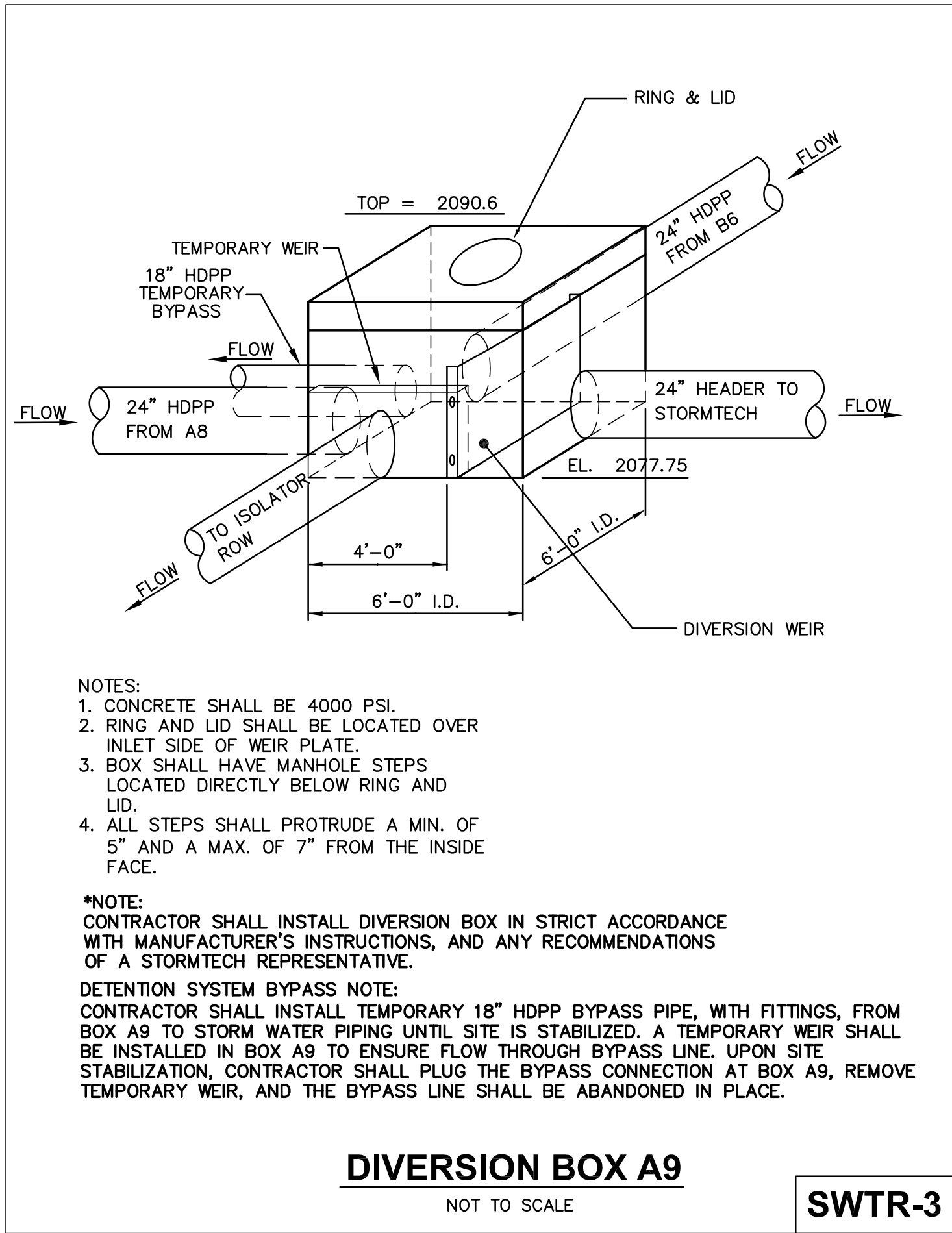
Site Development for
Shealy Trucking Center - WNC
Old Johnson Farm Road

116 Old Johnson Farm Road, Fletcher, North Carolina

FISHER
Fisher Architects, PA
351 Merrimon Avenue
Asheville, NC 28801
Copyright 2021, Fisher Architects, PA

828.253.8265

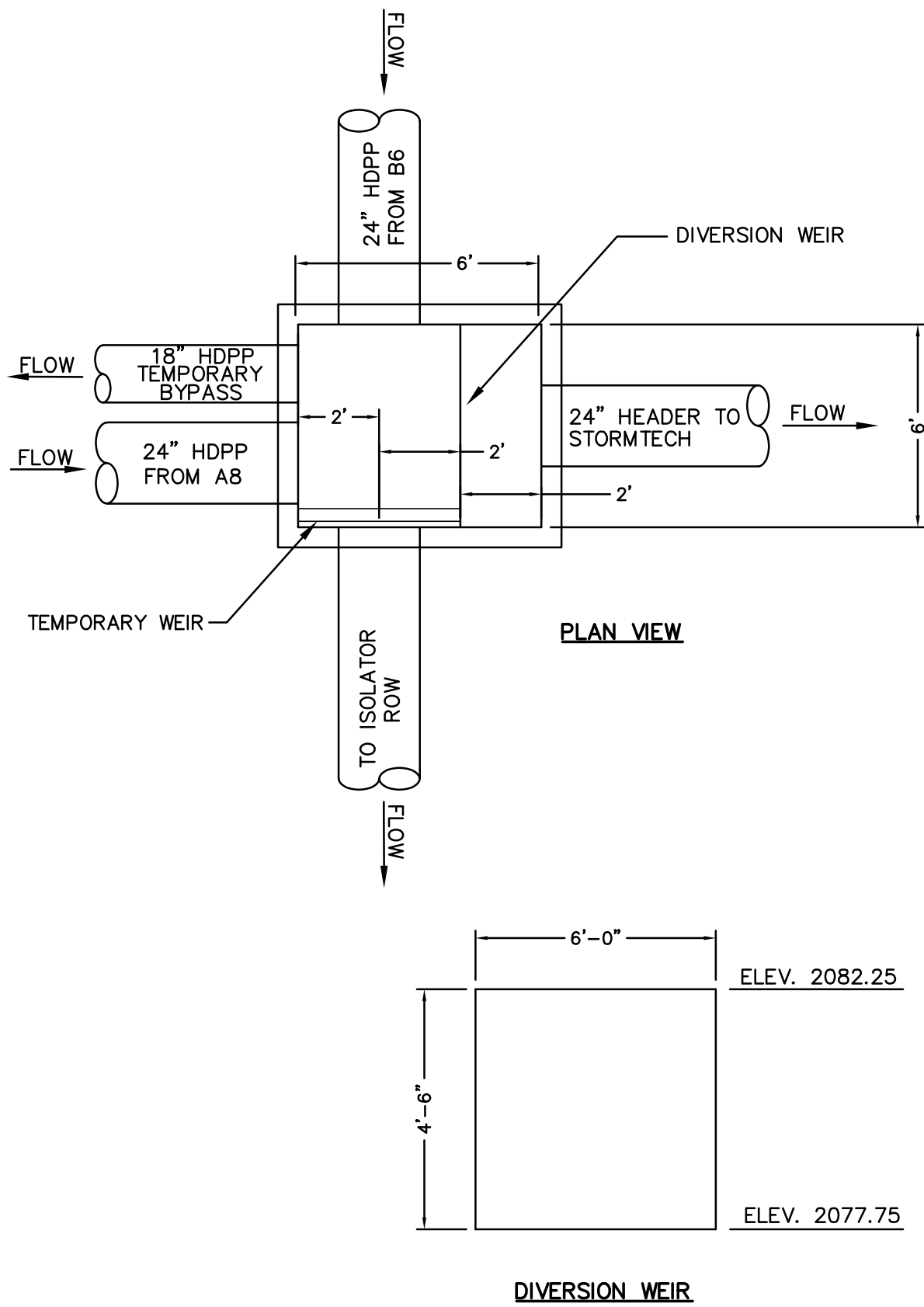




- NOTES:
1. CONCRETE SHALL BE 4000 PSI.
 2. RING AND LID SHALL BE LOCATED OVER INLET SIDE OF WEIR PLATE.
 3. BOX SHALL HAVE MANHOLE STEPS LOCATED DIRECTLY BELOW RING AND LID.
 4. ALL STEPS SHALL PROTRUDE A MIN. OF 5" AND A MAX. OF 7" FROM THE INSIDE FACE.
- *NOTE:**
CONTRACTOR SHALL INSTALL DIVERSION BOX IN STRICT ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS, AND ANY RECOMMENDATIONS OF A STORMTECH REPRESENTATIVE.
- DETENTION SYSTEM BYPASS NOTE:
CONTRACTOR SHALL INSTALL TEMPORARY 18" HDPP BYPASS PIPE, WITH FITTINGS, FROM BOX A9 TO STORM WATER PIPING UNTIL SITE IS STABILIZED. A TEMPORARY WEIR SHALL BE INSTALLED IN BOX A9 TO ENSURE FLOW THROUGH BYPASS LINE. UPON SITE STABILIZATION, CONTRACTOR SHALL PLUG THE BYPASS CONNECTION AT BOX A9, REMOVE TEMPORARY WEIR, AND THE BYPASS LINE SHALL BE ABANDONED IN PLACE.

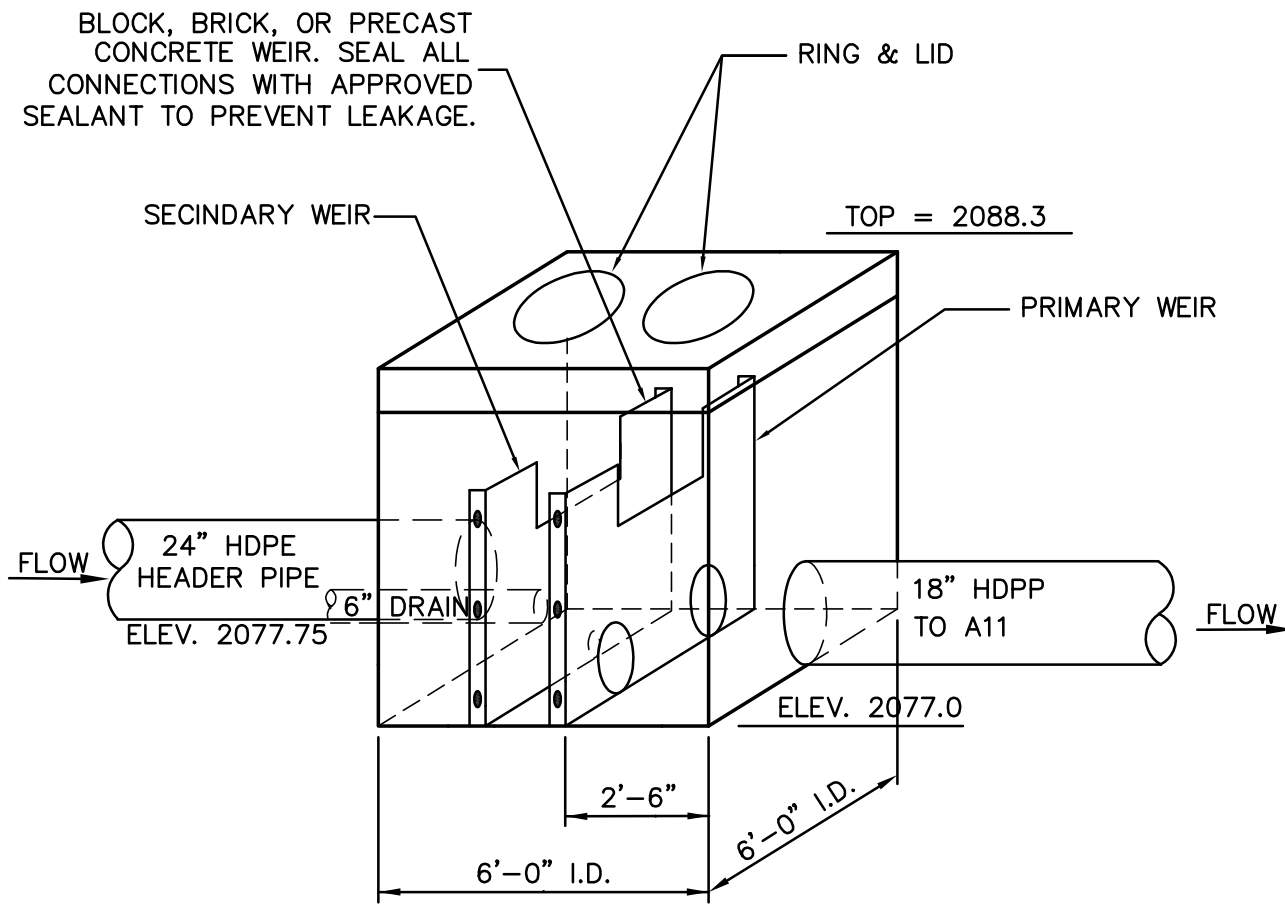
DIVERSION BOX A9
NOT TO SCALE

SWTR-3



DIVERSION BOX A9
NOT TO SCALE

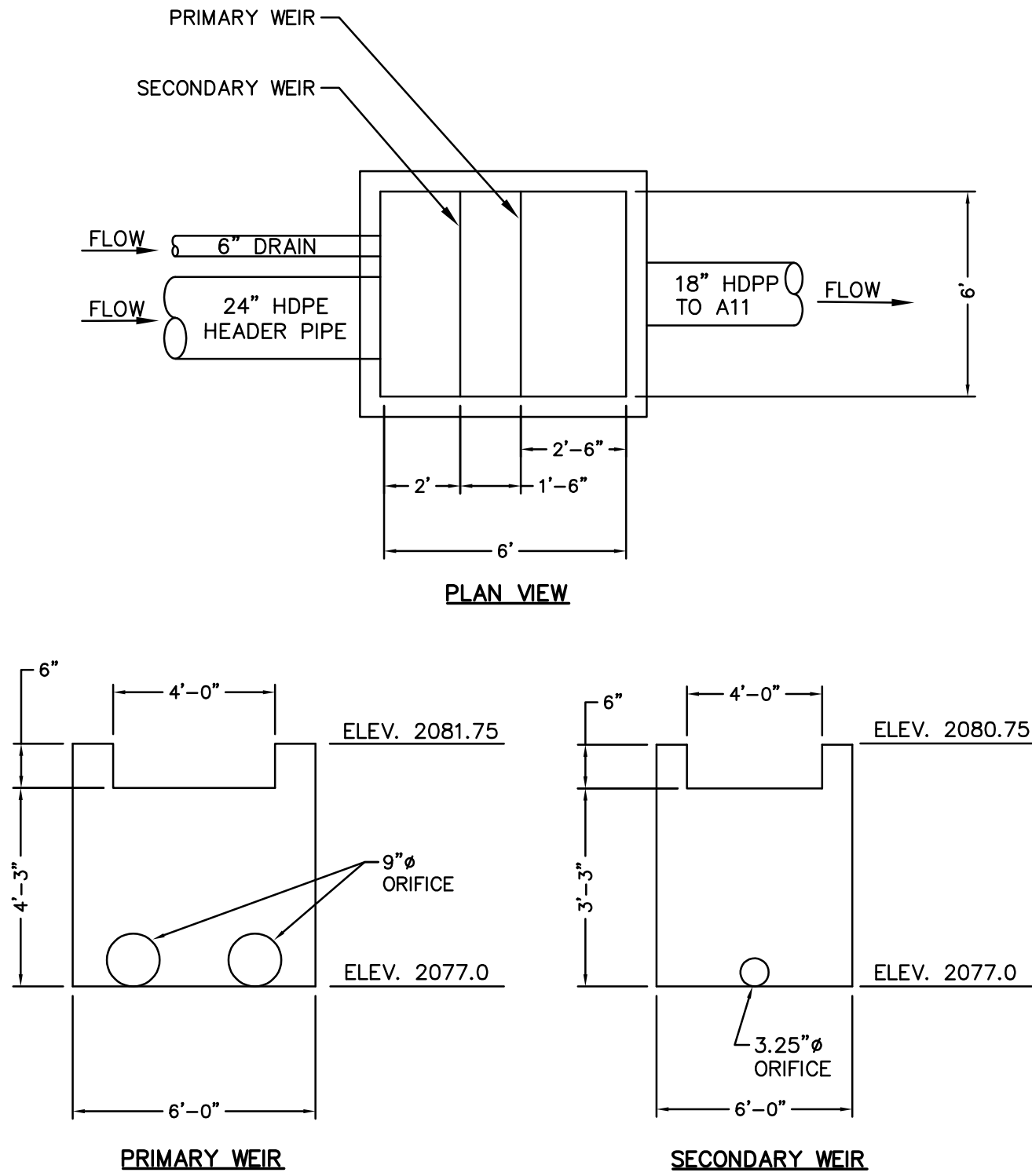
SWTR-3



- NOTES:
1. CONCRETE SHALL BE 4000 PSI.
 2. RING AND LID SHALL BE LOCATED OVER INLET SIDE AND OUTLET SIDE OF WEIR PLATE.
 3. BOX SHALL HAVE MANHOLE STEPS LOCATED DIRECTLY BELOW RING AND LID.
 4. ALL STEPS SHALL PROTRUDE A MIN. OF 5" AND A MAX. OF 7" FROM THE INSIDE FACE.

DETENTION CONTROL BOX A10
NOT TO SCALE

SWTR-3



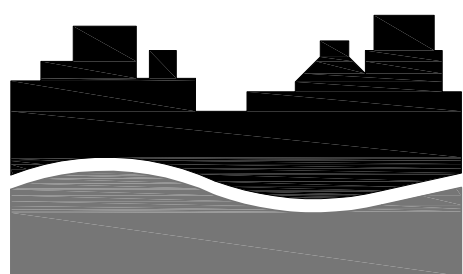
DETENTION CONTROL BOX A10
NOT TO SCALE

SWTR-3

For
Review

THIS DOCUMENT AND THE INFORMATION PROVIDED HEREIN IS CONFIDENTIAL, PROPRIETARY, AND IS THE PROPERTY OF DAVIS CIVILSOLUTIONS, P.A. PROVIDED AS AN INSTRUMENT OF SERVICE. THIS DOCUMENT MAY NOT BE COPIED, REPRODUCED, ALTERED, PROVIDED TO ANY OTHER PARTY, OR USED FOR ANYTHING OTHER THAN THE SPECIFIC PROJECT IDENTIFIED OR REFERRED TO HEREIN, OR USED FOR EXTENSION TO THIS PROJECT, IN PART OR IN WHOLE, WITHOUT THE EXPRESS WRITTEN CONSENT OF DAVIS CIVILSOLUTIONS, P.A.

© COPYRIGHT 2024
DAVIS CIVILSOLUTIONS, P.A.
ALL RIGHTS RESERVED



DCS PROJECT NO.: 24126
Davis CivilSolutions, PA
Site/Infrastructure Engineering/Planning
135-A Charlotte Highway • Asheville, North Carolina 28803
828.299.9449 PH • www.daviscivilsolutions.com • License No.: C-2580

SHEET TITLE

Details

DATE
11-13-2024

JOB NO.

24108

D8

Site Development for
Shealy Trucking Center - WNC
Old Johnson Farm Road

116 Old Johnson Farm Road, Fletcher, North Carolina

FISHER
Fisher Architects, PA
351 Merrimon Avenue
Asheville, NC 28801
Copyright 2021 Fisher Architects, PA

(828) 253-8265

REVISIONS

PART III
SELF-INSPECTION, RECORDKEEPING AND REPORTING

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 or until 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 inspections were delayed shall be noted in the Inspection Record.

Inspect	Frequency (during normal business hours)	Inspection records must include:
(1) Rain gauge maintained in 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 (and this will determine if a site inspection is needed). Days on which no rainfall occurred shall be recorded as "zero." The permittee may use another rain-monitoring device approved by the Division.
(2) E&SC Measures	At least once per 7 calendar days and within 24 hours of a rain event ≥ 1.0 inch in 24 hours	<ol style="list-style-type: none"> 1. Identification of the measures inspected, 2. Date and time of the inspection, 3. Name of the person performing the inspection, 4. Indication of whether the measures were operating properly, 5. Description of maintenance needs for the measure, 6. Description, evidence, and date of corrective actions taken.
(3) Stormwater discharge outfalls (SDOs)	At least once per 7 calendar days and within 24 hours of a rain event ≥ 1.0 inch in 24 hours	<ol style="list-style-type: none"> 1. Identification of the discharge outfalls inspected, 2. Date and time of the inspection, 3. Name of the person performing the inspection, 4. Evidence of indicators of stormwater pollution such as oil sheen, floating or suspended solids or discoloration, 5. Indication of visible sediment leaving the site, 6. 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	<p>If visible sedimentation is found outside site limits, then a record of the following shall be made:</p> <ol style="list-style-type: none"> 1. Actions taken to clean up or stabilize the sediment that has left the site limits, 2. Description, evidence, and date of corrective actions taken, and 3. An explanation as to the actions taken to control future releases.
(5) Streams or wetlands onsite or offsite (where accessible)	At least once per 7 calendar days and within 24 hours of a rain event ≥ 1.0 inch in 24 hours	<p>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:</p> <ol style="list-style-type: none"> 1. Description, evidence and date of corrective actions taken, and 2. Records of the required reports to the appropriate Division Regional Office per Part III, Section C, Item (2)(a) of this permit.
(6) Ground stabilization measures	After each phase of grading	<ol style="list-style-type: none"> 1. The phase of grading (installation of perimeter E&SC measures, clearing and grubbing, installation of storm drainage facilities, completion of all land-disturbing activity, construction or redevelopment, permanent ground cover). 2. Documentation that the required ground stabilization measures have been provided within the required timeframe 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 II, SECTION G, ITEM (4)
DRAW DOWN OF SEDIMENT BASINS FOR MAINTENANCE OR 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:

- (a) The E&SC 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&SC plan authority has approved these items,
- (b) 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,
- (c) 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, weir tanks, and filtration systems,
- (d) Vegetated, upland areas of the sites 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,
- (e) Velocity dissipation devices such as check dams, sediment traps, and riprap are provided at the discharge points of all dewatering devices, and
- (f) 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.

PART III
SELF-INSPECTION, RECORDKEEPING AND REPORTING

1. E&SC Plan Documentation

The approved E&SC plan as well as any approved deviation shall be kept on the site. The approved E&SC plan must be kept up-to-date throughout the coverage under this permit. The following items pertaining to the E&SC 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&SC measure has been installed and does not significantly deviate from the locations, dimensions and relative elevations shown on the approved E&SC plan.	Initial and date each E&SC measure on a copy of the approved E&SC plan or complete, date and sign an inspection report that lists each E&SC measure shown on the approved E&SC plan. This documentation is required upon the initial installation of the E&SC measures or if the E&SC measures are modified after initial installation.
(b) A phase of grading has been completed.	Initial and date a copy of the approved E&SC 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&SC plan.	Initial and date a copy of the approved E&SC 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&SC measures have been performed.	Complete, date and sign an inspection report.
(e) Corrective actions have been taken to E&SC measures.	Initial and date a copy of the approved E&SC plan or complete, date and sign an inspection report to indicate the completion of the corrective action.

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:

- (a) This General Permit as well as the Certificate of Coverage, after it is received.
- (b) 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.

All data used to complete the e-NOI 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 III
SELF-INSPECTION, RECORDKEEPING AND REPORTING

1. Occurrences that Must

Permittees shall report the following

(a) Visible sediment deposition in a stream or wet

- (b) Oil spills if:
 - They are 25 gallons or more,
 - They are less than 25 gallons but cannot be cleaned up within 24 hours,
 - They cause sheen on surface waters (regardless of volume), or
 - They are within 100 feet of surface waters (regardless of volume).
- (c) Releases of hazardous substances in excess of reportable quantities under Section 311 of the Clean Water Act (Ref: 40 CFR 110.3 and 40 CFR 117.3) or Section 102 of CERCLA (Ref: 40 CFR 302.4) or G.S. 143-215.85.
- (d) Anticipated bypasses and unanticipated bypasses.
- (e) Noncompliance with the conditions of this permit that may endanger health or the environment.

After a permittee becomes aware of an occurrence

the appropriate Division regional office within the timeframes and in accordance with the other requirements listed below. Occurrences outside normal business hours may also be reported to the Department's Environmental Emergency Center personnel at (800) 858-0368.

Occurrence	Reporting Timeframes (After Discovery) and Other Requirements
(a) Visible sediment deposition in a stream or wetland	<ul style="list-style-type: none"> • Within 24 hours, an oral or electronic notification. • Within 7 calendar days, a report that contains a description of the sediment and actions taken to address the cause of the deposition. Division staff may waive the requirement for a written report on a case-by-case basis. • If the stream is named on the NC 303(d) list as impaired for sediment-related causes, the permittee may be required to perform additional monitoring, inspections or apply more stringent practices if staff determine that additional requirements are needed to assure compliance with the federal or state impaired-waters conditions.
(b) Oil spills and release of hazardous substances per Item 1(b)-(c) above	<ul style="list-style-type: none"> • Within 24 hours, an oral or electronic notification. The notification shall include information about the date, time, nature, volume and location of the spill or release.
(c) Unanticipated bypasses [40 CFR 122.41(m)(3)]	<ul style="list-style-type: none"> • A report at least ten days before the date of the bypass, if possible. The report shall include an evaluation of the anticipated quality and effect of the bypass.
(d) Unanticipated bypasses [40 CFR 122.41(m)(3)]	<ul style="list-style-type: none"> • Within 24 hours, an oral or electronic notification. • Within 7 calendar days, a report that includes an evaluation of the quality and effect of the bypass.
(e) Noncompliance with the conditions of this permit that may endanger health or the environment[40 CFR 122.41(l)(7)]	<ul style="list-style-type: none"> • Within 24 hours, an oral or electronic notification. • Within 7 calendar days, a report that contains a description of the noncompliance, and its causes; the period of noncompliance, including exact dates and times, and if the noncompliance has not been corrected, the anticipated time noncompliance is expected to continue; and steps taken or planned to reduce, eliminate, and prevent reoccurrence of the noncompliance. [40 CFR 122.41(l)(6). • Division staff may waive the requirement for a written report on a case-by-case basis.

<p> NCG01 SELF-INSPECTION, RECORDKEEPING AND REPORTING </p>	<p> EFFECTIVE: 04/01/19 </p>
----------------------------------------------------------------------	---------------------------------------

EFFECTIVE: 04/01/19

For
Review

THIS DOCUMENT AND THE INFORMATION PROVIDED HEREIN ARE COPYRIGHTED CONFIDENTIAL MATERIAL AND IS THE PROPERTY OF DAVIS CIVILSOLUTIONS, P.A. PROVIDED AS AN INSTRUMENT OF SERVICE, THIS DOCUMENT MAY NOT BE COPIED, REPRODUCED, ALTERED, PROVIDED TO ANY OTHER PARTY, OR USED FOR ANYTHING OTHER THAN THE SPECIFIC PROJECT IDENTIFIED OR REFERRED TO HEREIN, OR USED FOR EXTENSION TO THIS PROJECT, IN PART OR IN WHOLE, WITHOUT THE EXPRESS WRITTEN CONSENT OF DAVIS CIVILSOLUTIONS, P.A.

COPYRIGHT 2024
DAVIS CIVILSOLUTIONS, P.A.
DAVIS CIVILSOLUTIONS, P.A.



DCS PROJECT NO.: 24126
Davis CivilSolutions, PA
 Site/Infrastructure Engineering/Planning
 135-A Charlotte Highway • Asheville, North Carolina 28803
 828.299.9449 PH • www.daviscivilsolutions.com • License No. C-2580

REVISIONS

FISHER
Fisher Architects, PA

Site Development for
Shealy Trucking Center - WNC
Old Johnson Farm Road

SHEET TITLE

NCG01 Details

010	DATE	11-13-2024
	JOB NO.	

828) 253-8265

Asheville, NC 28801
Copyright 2021 Fisher Architects, PA

1116 Old Johnson Farm Road, Fletcher, North Carolina

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

Required Ground Stabilization Timeframes		
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
(d) Slopes 3:1 to 4:1	14	-7 days for slopes greater than 50' in length and with slopes steeper than 4:1 -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 tackifiersHydroseedingRolled erosion control products with or without temporary grass seedAppropriately applied straw or other mulchPlastic sheeting	<ul style="list-style-type: none">Permanent grass seed covered with straw or other mulches and tackifiersGeotextile fabrics such as permanent soil reinforcement mattingHydroseedingShrubs or other permanent plantings covered with mulchUniform and evenly distributed ground cover sufficient to restrain erosionStructural methods such as concrete, asphalt or retaining wallsRolled 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 offsite.
- 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

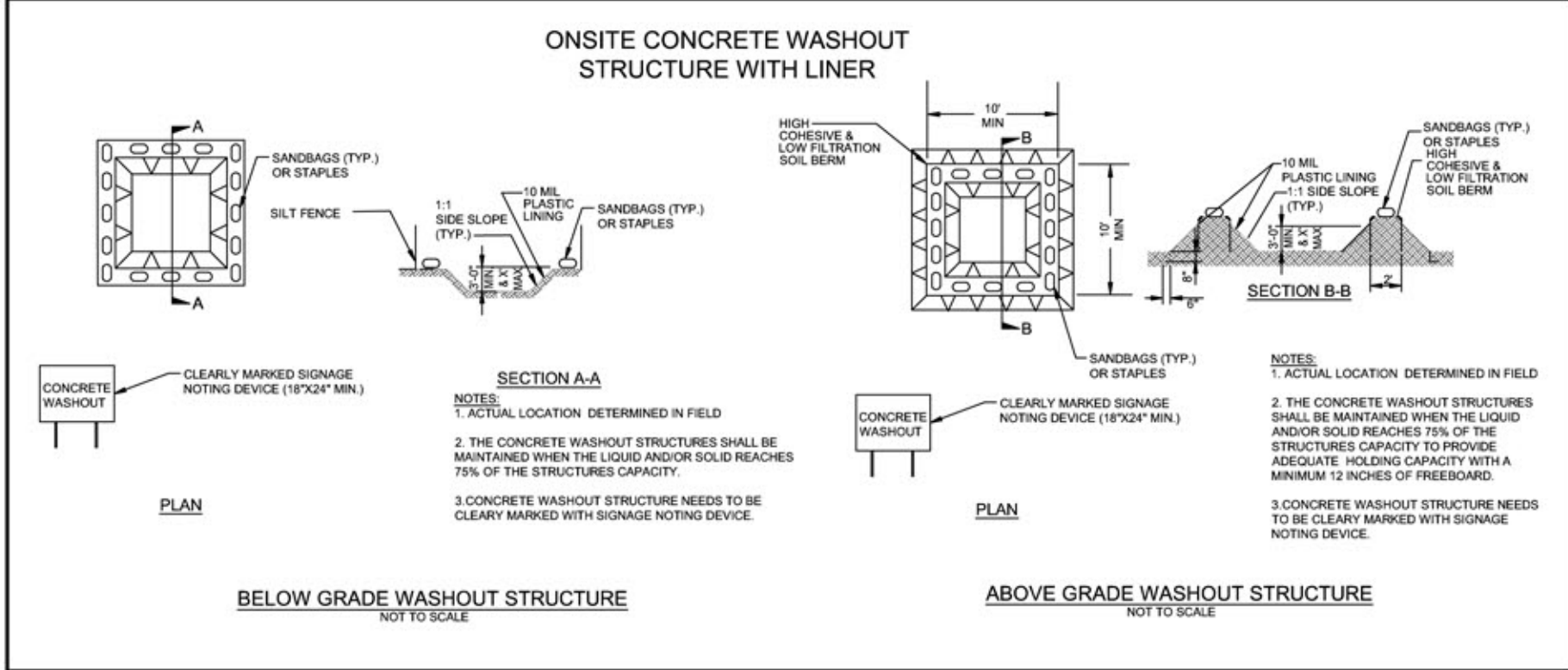
- Do not dump paint and other liquid waste into storm drains, streams or wetlands.
- Locate paint washouts at least 50 feet away from storm drain inlets and surface waters unless no other alternatives are reasonably available.
- Contain liquid wastes in a controlled area.
- Containment must be labeled, 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 areas 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

For Review

THIS DOCUMENT AND THE INFORMATION PROVIDED HEREIN IS THE PROPERTY OF DAVIS CIVILSOLUTIONS, P.A. PROVIDED AS AN INSTRUMENT OF SERVICE. THIS DOCUMENT MAY NOT BE COPIED, REPRODUCED, ALTERED, PROVIDED TO ANY OTHER PARTY, OR USED FOR ANYTHING OTHER THAN THE SPECIFIC PROJECT IDENTIFIED OR REFERRED TO HEREIN, OR USED FOR EXTENSION OF THE PROJECT, IN WHOLE OR IN PART, WITHOUT THE EXPRESS WRITTEN CONSENT OF DAVIS CIVILSOLUTIONS, P.A.



DCS PROJECT NO.: 24126
Davis CivilSolutions, PA
Site/Infrastructure Engineering/Planning
135-A Charlotte Highway • Asheville, North Carolina 28803
828.299.9449 PH • www.daviscivilsolutions.com • License No.: C-2580

REVISIONS

FISHER
Fisher Architects, PA
351 Merrimon Avenue
Asheville, NC 28801
Copyright 2021 Fisher Architects, PA

Site Development for
Shealy Trucking Center - WNC
Old Johnson Farm Road
116 Old Johnson Farm Road, Fletcher, North Carolina

SHEET TITLE
NCG01 Details

DATE
11-13-2024
JOB NO.

24108

D11