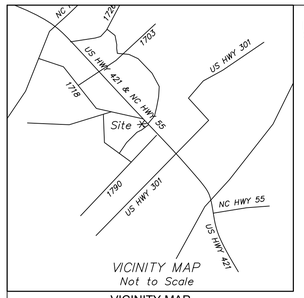


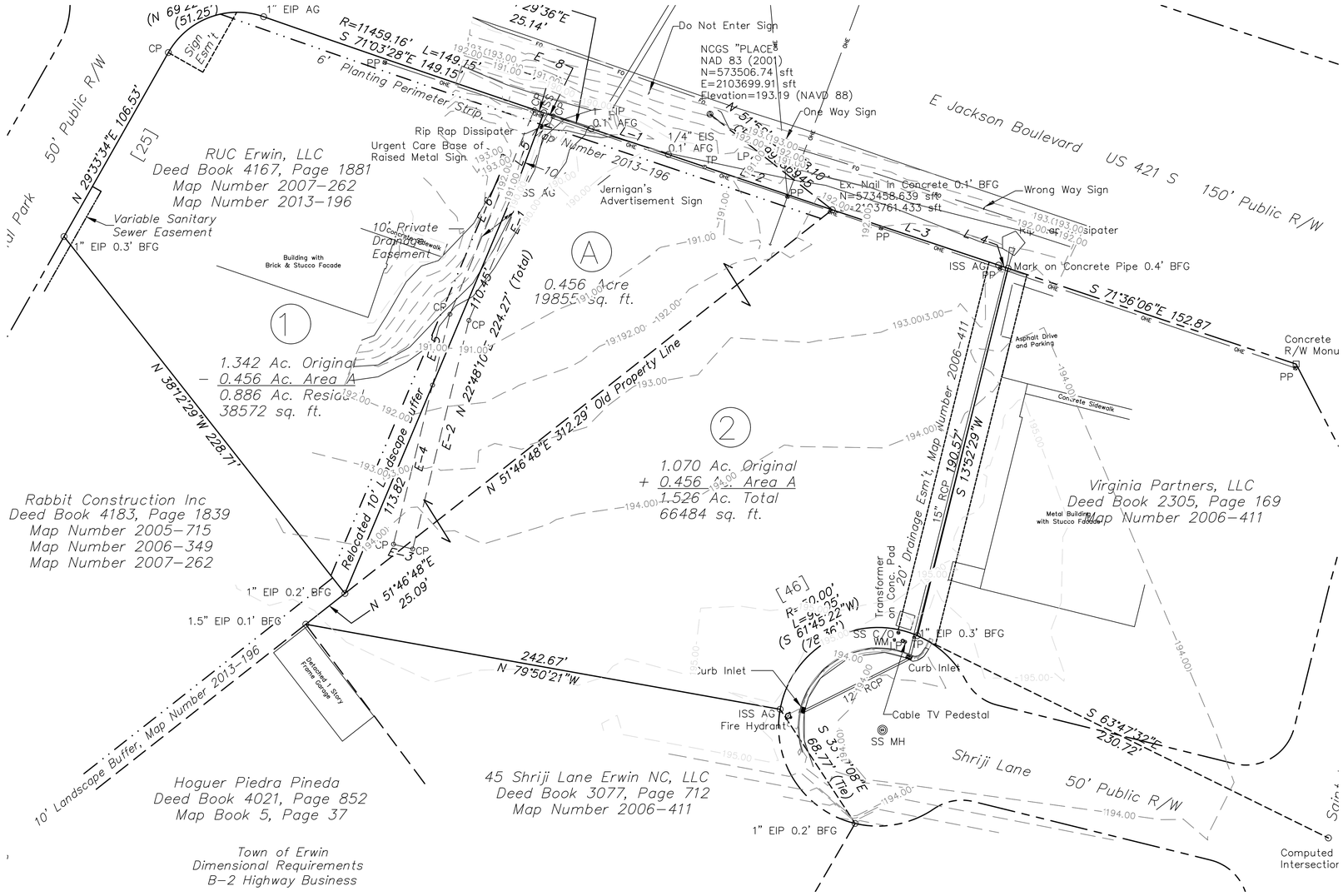
VICINITY MAP
1" = 1000'

LEGEND:

- EIS — EXISTING IRON STAKE
- EIP — EXISTING IRON PIPE
- EPK — EXISTING PK NAIL
- NPS — NO POINT SET
- NCGS MON. — N.C. GEODETIC MONUMENT
- RW MON — EX. R/W MONUMENT
- RBS — REBAR SET
- MNS — MAG NAIL SET
- PP — POWER POLE
- LP — LIGHT POLE
- FIRE HYDRANT ASSEMBLY
- GAS VALVE
- SANITARY SEWER MAN HOLE
- STORM MANHOLE
- DROP INLET
- CATCH BASIN
- TELEPHONE PEDISTAL
- SANITARY SEWER CLEAN OUT
- BOLLARD
- EXISTING TREE
- SHRUB
- BC — BACK OF CURB
- R/W — RIGHT-OF-WAY
- FENCE LINE
- DITCH
- RIGHT-OF-WAY
- EX. WATER LINE
- EX. DRAINAGE PIPE
- NON SURVEYED PROPERTY LINE
- GRAVEL
- FLOODPLAIN
- MINOR CONTOUR
- MAJOR CONTOUR
- CONCRETE PAD

Course	Bearing	Distance
L-1	S 71°31'56" E	41.01'
L-2	S 71°21'17" E	87.05'
L-3	S 71°35'27" E	88.30'
L-4	S 71°47'34" E	5.00'
L-5	N 20°32'29" E	37.66'

Course	Bearing	Distance
E-1	S 22°25'39" W	111.35'
E-2	S 13°47'27" W	118.52'
E-3	N 76°12'33" W	10.00'
E-4	N 13°47'27" E	82.54'
E-5	N 13°47'27" E	36.73'
E-6	N 22°25'39" E	111.43'
E-7	R = 11459.16'	L = 5.01'
	Tan: 2.51'	CA: 0°01'30"
	Chd: S 71°25'05" E	5.01'
E-8	R = 11459.16'	L = 5.01'
	Tan: 2.51'	CA: 0°01'30"
	Chd: S 71°26'35" E	5.01'



FEMA FLOOD HAZARD STATEMENT
Lots shown on this plat are not located within the FEMA Flood Hazard "Zone AE" as shown on FEMA map No. 3720059700J
Effective Date: October 3, 2006

Town of Erwin
Dimensional Requirements
B-2 Highway Business

NOTES:

1. A WETLAND EVALUATION WAS NOT PERFORMED ON THIS PROPERTY.
2. FRED SMITH THE SOIL SCIENTIST WAS ON SITE AND MADE NO COMMENTS REGARDING WETLANDS.
3. SOILS WERE EVALUATED AND SOIL MAPS WERE REVIEWED FOR THIS DETERMINATION
4. THEREFORE I, MARIE PEEDIN, PE DEEM THIS SITE TO HAVE NOT WETLANDS AS DEFINED BY NCDEQ 401 AND OR THE USACOE.

References
Deed Book 2105, Page 172 (Powerline Easement)
Deed Book 2218, Page 504 (restrictions)
Deed Book 2372, Page 438 (Powerline Easement)
Deed Book 2513, Page 608 (Title to Shriji Properties, LLC)
Deed Book 4030, Page 290 (Assignment of Rents)
Deed Book 4167, Page 1881 (Title to RUC Erwin, LLC)
Deed Book 4167, Page 1909 (Lease)
Plat Cabinet "F", Slide 696A
Map Number 2005-715
Map Number 2006-349
Map Number 2006-411
Map Number 2007-262
Map Number 2013-196
All others as shown and/or noted hereon

North Carolina
One-Call Center
811
Know what's below.
Call before you dig.

FINAL PLANS
FOR REVIEW ONLY
NOT FOR CONSTRUCTION

SHEET INDEX
EC - EXISTING CONDITIONS
C1 - SITE PLAN
C2 - GRADING PLAN STORM WATER
C3 - LANDSCAPE PLAN
C4 - DETAILS
C5 - DETAILS
DA1 - SCM AREA
DA2 - BUILT UPON AREA

STANCIL & ASSOCIATES,
Professional Land Surveyor, P.A. C-0831
98 East Depot Street, P. O. Box 730, Angier, N.C. 27501
Phone: 919-639-2133 Fax: 919-639-2602

DATE: 11-14-2023	SURVEYED BY: SDB	FIELD BOOK LHD1390.cgr
SCALE: 1" = 50'	DRAWN BY: PAN	DRAWING FILE NO.
CHECKED & CLOSURE BY:		LHD-1390 A

SCALE 1"=30'
0 30' 60'

5/11/24

INNER BANKS ENGINEERING, PC
P. O. BOX 154
Washington, NC 27889
252-945-2983
MUPEEDIN@IBXENGINEERING.COM
LICENSE NO. C-4111

INNER BANKS ENGINEERING, P.C.

EXISTING CONDITIONS

HARBOR FREIGHT- ERWIN
46 SHRIJI LANE
ERWIN, HARNETT COUNTY, NORTH CAROLINA

GRAVITY COMPANIES, LLC
664 INDUSTRIAL PARK DRIVE
ELIZABETHTOWN, NC 28337
910-414-5166

Date	Description

File No. 23039
Scale: 1"=30'
Sheet No. EC

OWNER:
GRAVITY COMPANIES, LLC
664 INDUSTRIAL PARK DRIVE
ELIZABETHTOWN, NC 28337

PIN NO. 1507-33-7313.000

GENERAL BUILDING INFORMATION

BUILDING USE: COMMERCIAL - RETAIL
TOTAL LOT SIZE = 1.526 AC±

BUILDING SIZE: 16,000SF

BUILDING HEIGHT: 20FT

ADDRESS:
46 SHRIJI LANE
ERWIN, NC

ZONING INFORMATION:
SITE ZONING: B 2
SETBACKS:
BUILDING MINIMUM BUILDING SETBACKS (UNLESS NOTED)
FRONT: 30'
SIDE: 0'
REAR: 20'
HEIGHT : 35 ' MAX

UTILITIES:

WASTEWATER SERVICE: 4" SEWER SERVICE - TOWN OF ERWIN
WATER SERVICE: 1" WATER SERVICE - TOWN OF ERWIN
ELECTRIC SERVICE:
NATURAL GAS SERVICE:

PARKING REQUIREMENTS:

PARKING SPACES TO BE TYPICAL (9 FEET X 20 FEET) UNLESS OTHERWISE NOTED
PARKING SPACES REQUIRED: 60

PARKING PROVIDED TOTAL : 61 SPACES
HANDICAP REQUIRED : 2 SPACES

GENERAL SITE NOTES:

ALL NEW SERVICES SHALL MEET ALL NC BUILDING CODE REQUIREMENTS

ALL EXISTING UTILITIES ARE SHOWN BASED ON FIELD EVIDENCE

PRIOR TO ANY DIGGING NC ONE CALL SHALL BE CALLED AND CONFIRM LOCATION AND SIZE OF ALL EXISTING UTILITIES.

LEGEND:

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- EIP — EXISTING IRON PIPE
- EPK — EXISTING PK NAIL
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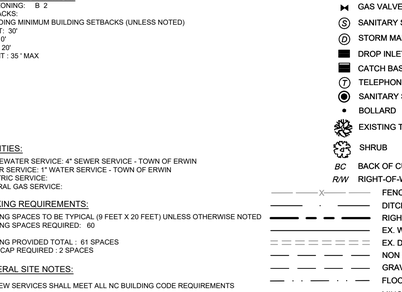
- EX. DRAINAGE PIPE
- NON SURVEYED PROPERTY LINE
- GRAVEL
- FLOODPLAIN
- MINOR CONTOUR
- MAJOR CONTOUR
- CONCRETE PAD

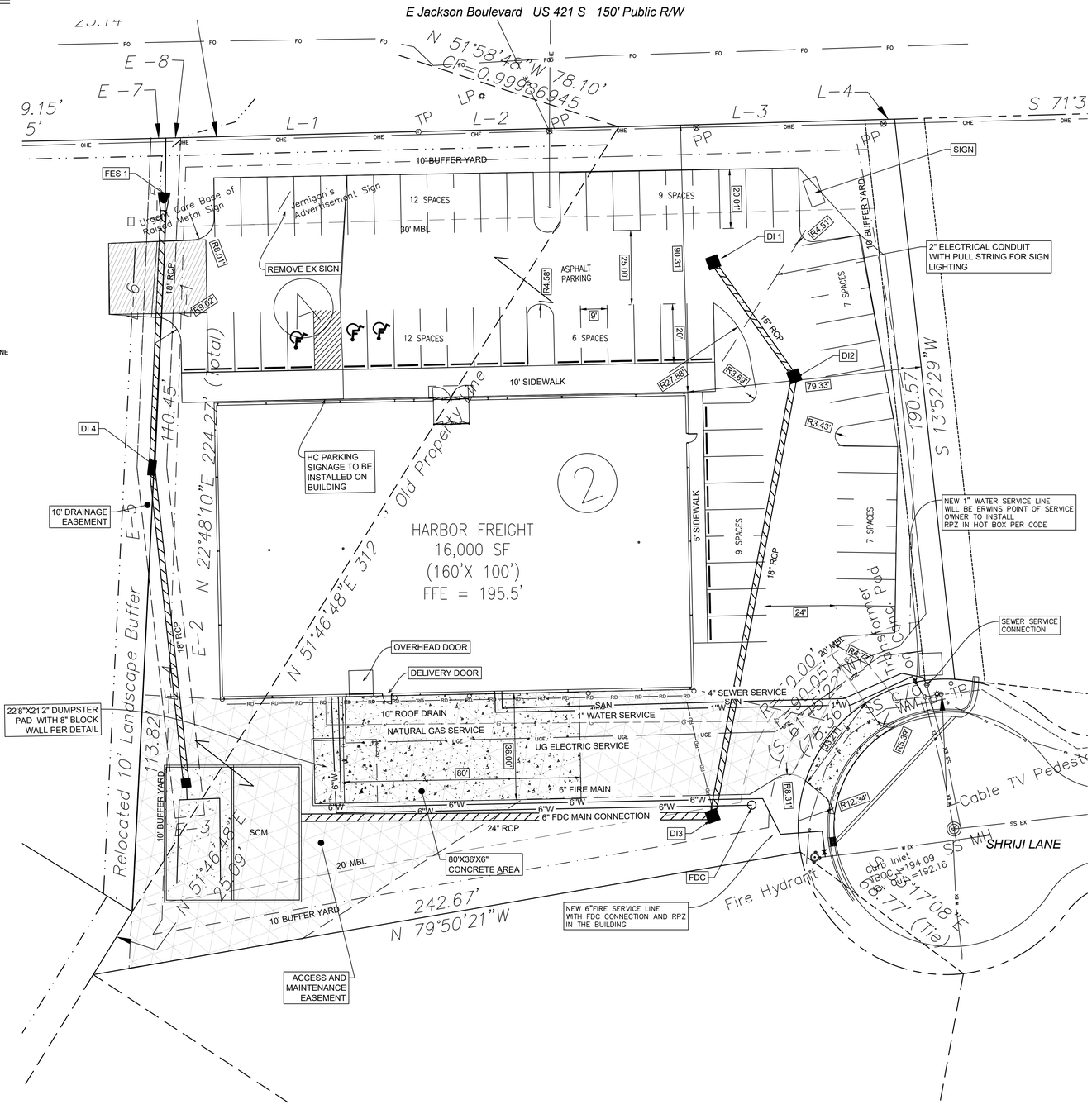
FEMA FLOOD HAZARD STATEMENT
Property shown on this plat is located within Zone "X" of the FEMA Flood Hazard Map and not in any Flood Hazard Area
FEMA map No. 3720150600J
Effective Date: 10/3/2006

References
Deed Book 2513, Page 608 (Title to Shriji Properties, LLC)
Deed Book 4167, Page 1881 (Title to RUC Erwin, LLC)
Map Number 2005-715
Map Number 2006-349
Map Number 2006-411
Map Number 2007-262
Map Number 2013-196
All others as shown and/or noted hereon



MINIMUM WHEEL STOP PLACEMENT:
6" FROM FACE OF CURB OR SIDEWALK
42" FROM FACE OF BUILDING

PRECAST CONCRETE WHEEL STOP
NOT TO SCALE



Course	Bearing	Distance
L-1	S 71°31'56" E	41.01'
L-2	S 71°21'17" E	87.05'
L-3	S 71°35'27" E	88.30'
L-4	S 71°47'34" E	5.00'
L-5	N 20°32'29" E	37.66'

Course	Bearing	Distance
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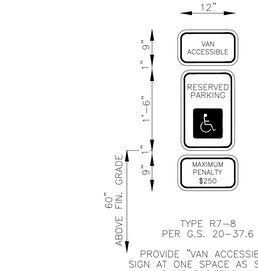
E-6	N 22°25'39" E	111.43'
E-7	R = 11459.16' Tan: 2.51' Chd: S 71°25'05" E	L = 5.01' CA: 0°01'30" 5.01'
E-8	R = 11459.16' Tan: 2.51' Chd: S 71°26'35" E	L = 5.01' CA: 0°01'30" 5.01'

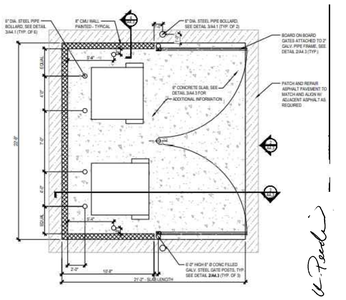


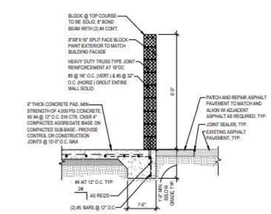
TYPE R7-8
PER G.S. 20-37.6

PROVIDE "VAN ACCESSIBLE" SIGN AT ONE SPACE AS SHOWN ON THE SITE PLAN

MOUNT SIGN ON GALVANIZED 3" C-CHANNEL IRON. SET 3' BELOW GRADE

TYPICAL HANDICAP PARKING SIGN





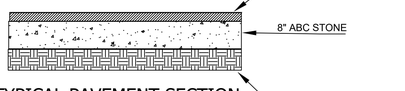
DUMPSTER PAD DETAIL
NOT TO SCALE

NOTES:

1. A WETLAND EVALUATION WAS NOT PERFORMED ON THIS PROPERTY.
2. FRED SMITH THE SOIL SCIENTIST WAS ON SITE AND MADE NO COMMENTS REGARDING WETLANDS.
3. SOILS WERE EVALUATED AND SOIL MAPS WERE REVIEWED FOR THIS DETERMINATION
4. THEREFORE I, MARIE PEEDIN, PE DEEM THIS SITE TO HAVE NOT WETLANDS AS DEFINED BY NCDEQ 401 AND OR THE USACOE.

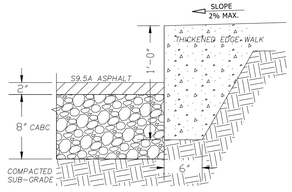
North Carolina One-Call Center

811 Know what's below. Call before you dig.



1 TYPICAL PAVEMENT SECTION
Scale: Not To Scale:

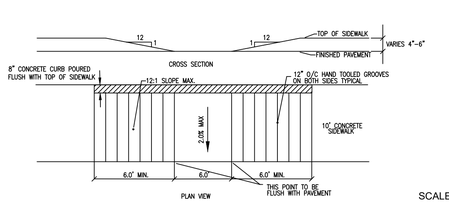
Items and paint marks on the surface of the ground were located along with utility plans for the underground utilities as shown hereon. However, lacking excavation, the exact location and size of underground features can not be accurately, completely and reliably depicted. Where additional or more detailed information is required, the clients are advised that excavation may be necessary. Elevations shown hereon are based on NCGS Monument "Place" NAVD 88 Property is in the high intensity/ commercial mixed-use area on the future land use map for the Town of Erwin.



(8&2)THICKENED EDGE WALK DETAIL
NOT TO SCALE

NOTES:

1. THIS PROPERTY IS LOCATED WITHIN AN AREA DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN ZONE "X" AS SHOWN ON DFIRM MAP 3720150600J DATED 10/3/ 2006.
2. ALL DISTANCES ARE HORIZONTAL GROUND IN SURVEY FEET UNLESS OTHERWISE NOTED.
3. AREAS CALCULATED BY COORDINATE GEOMETRY.
4. NO BUILDINGS, STRUCTURES OR OTHER IMPROVEMENTS, MATERIALS AND SURFACES, INCLUDING BUT NOT LIMITED TO PRINCIPLE AND ACCESSORY STRUCTURES AND ADDITIONS AND APPURTENANCES THERETO, SIGNAGE, FENCES, WALLS, MECHANICAL EQUIPMENT, CANOPIES, ANTENNAS, MASTS, AERIALS, MONUMENTS, LANDSCAPE PLANTINGS, FILL MATERIALS, DEBRIS, SOLID WASTE COLLECTION CONTAINERS, MAIL RECEPTACLES AND IMPERVIOUS SURFACES SHALL ENCROACH WITHIN ANY DEDICATED EASEMENT WITHOUT PRIOR APPROVAL.
5. A TITLE COMMITMENT REPORT AND/OR TITLE RESEARCH WAS NOT PREPARED WITH THIS SURVEY.
6. THIS PROPERTY IS SUBJECT TO ALL RECORDED EASEMENTS, RIGHT-OF-WAY, AND RESTRICTIVE COVENANTS THAT MAY OR MAY NOT AFFECT THIS PROPERTY. NO CLAIM IS MADE THAT ALL MATTERS OF RECORD ARE SHOWN HEREON.
7. IRON STAKES ARE LOCATED AT ALL CORNERS UNLESS OTHERWISE NOTED.



HANDICAPPED RAMP DETAIL

SCALE 1"=20'
0 20' 40'

INNER BANKS ENGINEERING, PC
P. O. BOX 154
Washington, NC 27889
252-945-2983
MUPEEDIN@IBXENGINEERING.COM
LICENSE NO. C-4111

SITE PLANS

HARBOR FREIGHT- ERWIN
46 SHRIJI LANE
ERWIN, HARNETT COUNTY, NORTH CAROLINA

GRAVITY COMPANIES, LLC
664 INDUSTRIAL PARK DRIVE
ELIZABETHTOWN, NC 28337
919-414-5166

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 20212 MARIE UMPHLETT PEEDIN

5/1/24

Date	Description
4/18/24	ESCP COMMENTS
4/23/24	ADDED NC SERVICE, CONCRETE DELIVERY PAD, AND ELECTRICAL CONDUIT FOR SIGN
5/1/24	MODIFIED SCM X SECTION DETAIL AND OTHER ITEMS PER NCDEQ STORMWATER COMMENTS

File No. 23039

Scale: 1"=20'

Sheet No.

C1

GRADING PLAN

HARBOR FREIGHT- ERWIN
46 SHRIJI LANE
ERWIN, HARNETT COUNTY, NORTH CAROLINA
GRAVITY COMPANIES, LLC

OWNER:
GRAVITY COMPANIES, LLC
664 INDUSTRIAL PARK DRIVE
ELIZABETHTOWN, NC 28337

PIN NO. 1507-33-7313.000

GENERAL BUILDING INFORMATION
BUILDING USE: COMMERCIAL - RETAIL
TOTAL LOT SIZE = 1.526 AC±
BUILDING SIZE: 16,000SF

BUILDING HEIGHT: 20FT

ADDRESS:
46 SHRIJI LANE
ERWIN, NC

ZONING INFORMATION:
SITE ZONING: B 2
SETBACKS:
BUILDING MINIMUM BUILDING SETBACKS (UNLESS NOTED)
FRONT: 30'
SIDE: 0'
REAR: 20'
HEIGHT : 35 ' MAX

UTILITIES:
WASTEWATER SERVICE: 4" SEWER SERVICE - TOWN OF ERWIN
WATER SERVICE: 1" WATER SERVICE - TOWN OF ERWIN
ELECTRIC SERVICE:
NATURAL GAS SERVICE:

PARKING REQUIREMENTS:
PARKING SPACES TO BE TYPICAL (9 FEET X 20 FEET) UNLESS OTHERWISE NOTED
PARKING SPACES REQUIRED: 60

PARKING PROVIDED TOTAL : 61 SPACES
HANDICAP REQUIRED : 2 SPACES

GENERAL SITE NOTES:
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PRIOR TO ANY DIGGING NC ONE CALL SHALL BE CALLED AND CONFIRM LOCATION AND SIZE OF ALL EXISTING UTILITIES.

LEGEND:
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- EX. DRAINAGE PIPE
- NON SURVEYED PROPERTY LINE
- GRAVEL
- FLOODPLAIN
- MINOR CONTOUR
- MAJOR CONTOUR
- CONCRETE PAD

NOTE:
ALL DEWATERING OPERATIONS SHALL BE FILTERED BEFORE DRAINING OFFSITE AND A 10 DAY NOTICE SHALL BE GIVEN PRIOR TO START OF PUMPING PER THE UPDATED NCG01 PERMIT

STREETS WILL BE SWEPT AS NEEDED BUT A MINIMUM OF ONCE A WEEK WHILE THE SITE IS ACTIVE
ALL STOCK PILES ARE TO REMAIN 50' AWAY FROM ALL DRAINAGE INLETS AND SURFACE WATERS

STORMWATER DATA

TOTAL DRAINAGE AREA – 1.526 AC

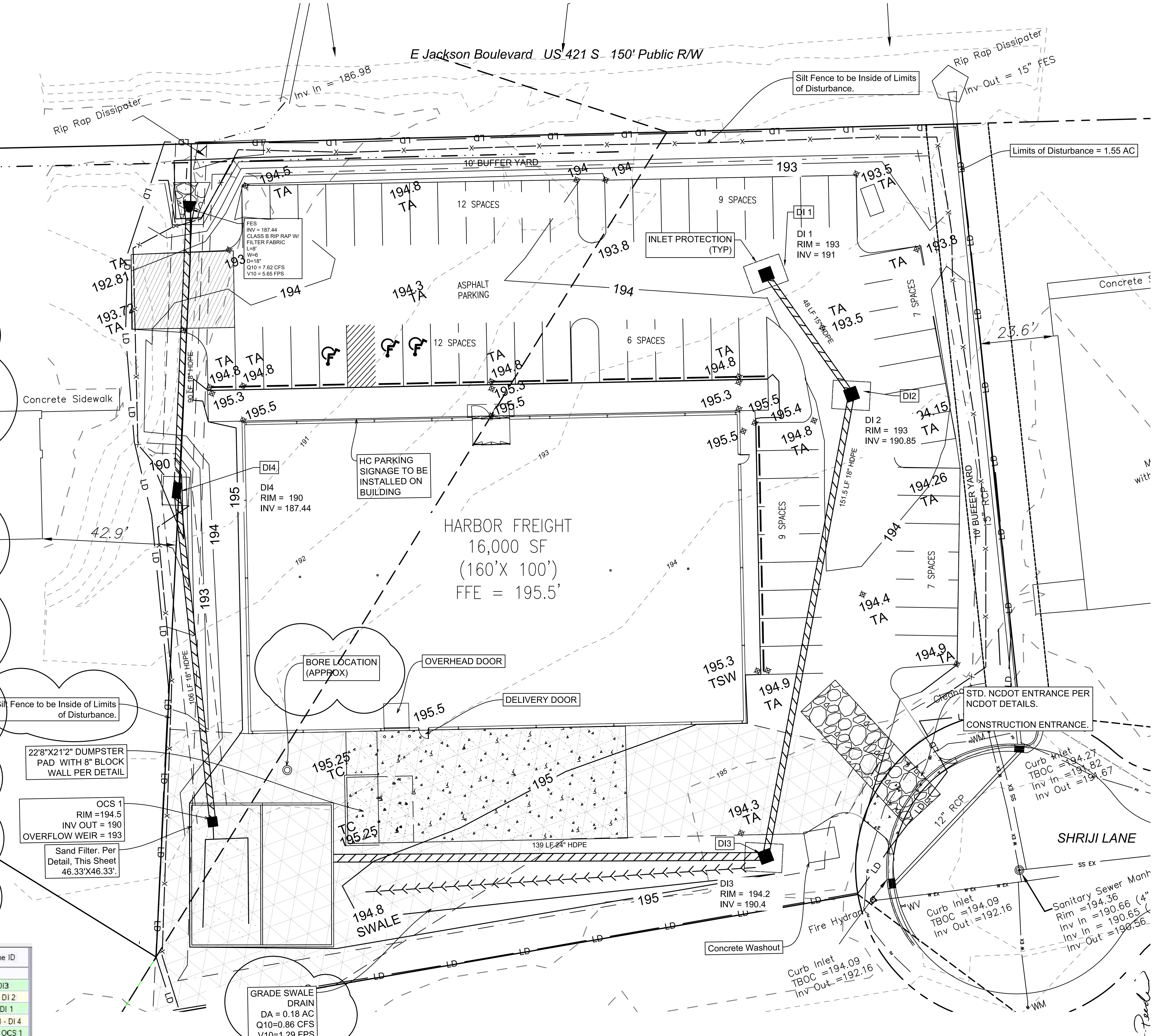
TOTAL OFFSITE DRAINAGE – 0 AC

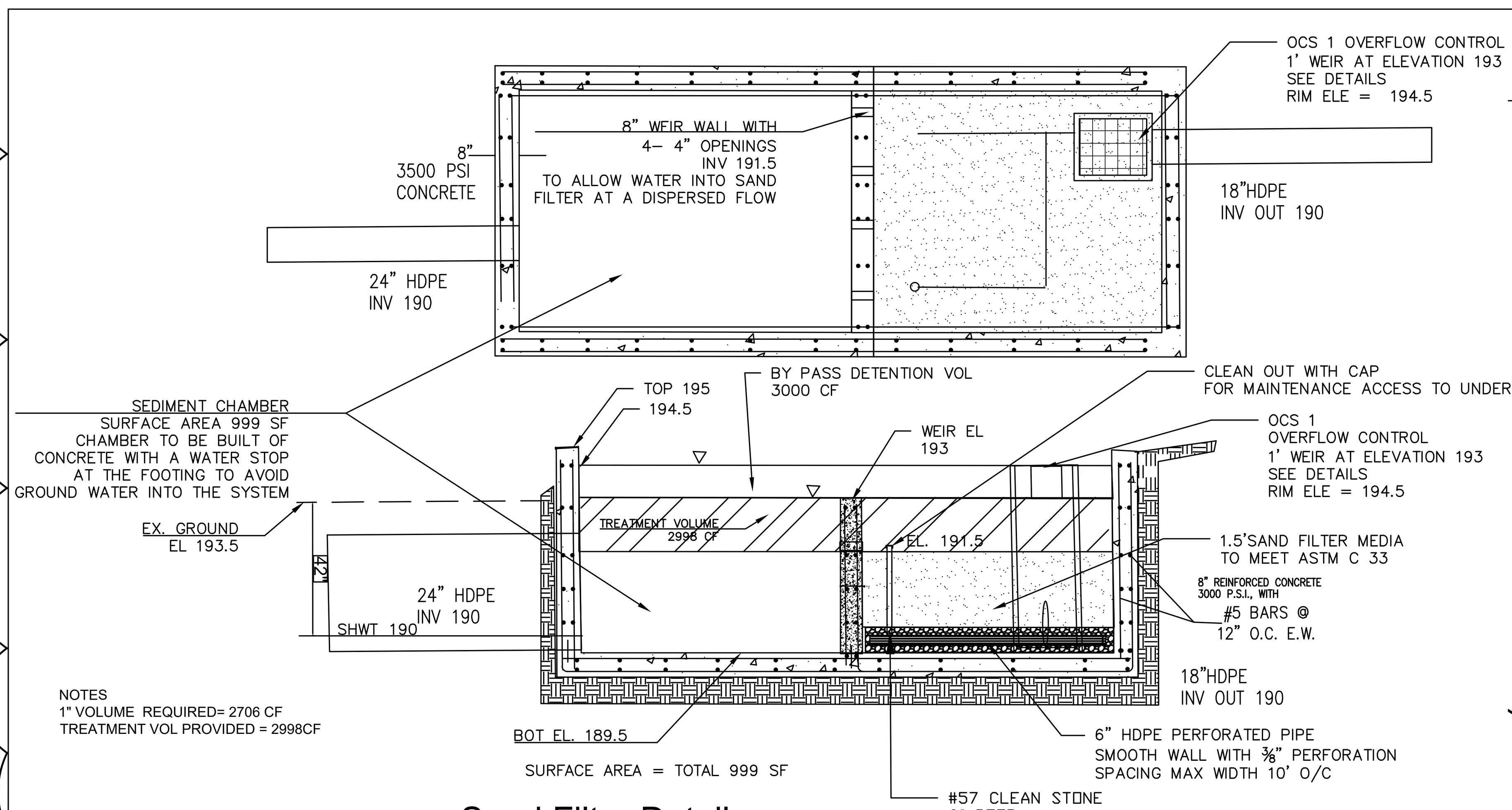
TOTAL ONSITE AREA = 1.526 AC
TOTAL IMPERVIOUS EXISTING . 0 AC

TOTAL IMPERVIOUS PROPOSED = 1.02 AC
TOTAL % IMPERVIOUS = 65 %

PRE DEV. RUNOFF Q1 = 2.12FS
POST DEV RUN OFF Q 1 = 4.12 CFS

POST DEVELOPMENT 1 YR 24 HR EVENT SHALL BE DETAINED AND RELEASED AT PRE DEVELOPMENT FLOWS





Sand Filter Detail
(NTS)

Line Length	Incr. Area	Total Area	Runoff Coeff.	Incr C x A	Total C x A	Inlet Time	Time Conc	Rnfal Int	Total Runoff	Adnl Flow	Total Flow	Capac Full	Veloc	Pipe Size	Pipe Slope	Inv Elev Dn	Inv Elev Up	HGL Dn	HGL Up	Grnd/Rim Dn	Grnd/Rim Up	Line ID
(ft)	(ac)	(ac)	(C)			(min)	(min)	(in/hr)	(cfs)	(cfs)	(cfs)	(cfs)	(ft/s)	(in)	(%)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	
139.000	0.06	0.48	0.98	0.06	0.47	5.0	6.5	7.5	3.54	3.32	6.86	17.53	3.76	24	0.29	190.00	190.40	191.50	191.33	194.00	194.00	SF - DI3
151.290	0.21	0.42	0.98	0.21	0.41	5.0	5.6	7.9	3.23	0.00	3.23	5.09	3.84	15	0.30	190.40	190.85	191.33	191.58	194.00	193.00	DI 3 - DI 2
47.310	0.21	0.21	0.98	0.21	0.21	5.0	5.0	8.1	1.66	0.00	1.66	5.07	2.48	15	0.30	190.85	190.99	191.96	191.50	193.00	193.00	DI 2- DI 1
89.640	0.24	0.24	0.40	0.10	0.10	5.0	5.5	7.9	0.76	0.00	7.62	10.63	5.65	18	0.49	187.00	187.44	188.07	188.51	189.00	189.00	FES 1 - DI 4
105.840	0.00	0.00	0.00	0.00	0.00	5.0	5.0	0.0	0.00	6.86	6.86	23.59	5.25	18	2.42	187.44	190.00	188.51	191.01	189.00	194.50	DI 4 - OCS 1

NOTES:

1. A WETLAND EVALUATION WAS NOT PERFORMED ON THIS PROPERTY.
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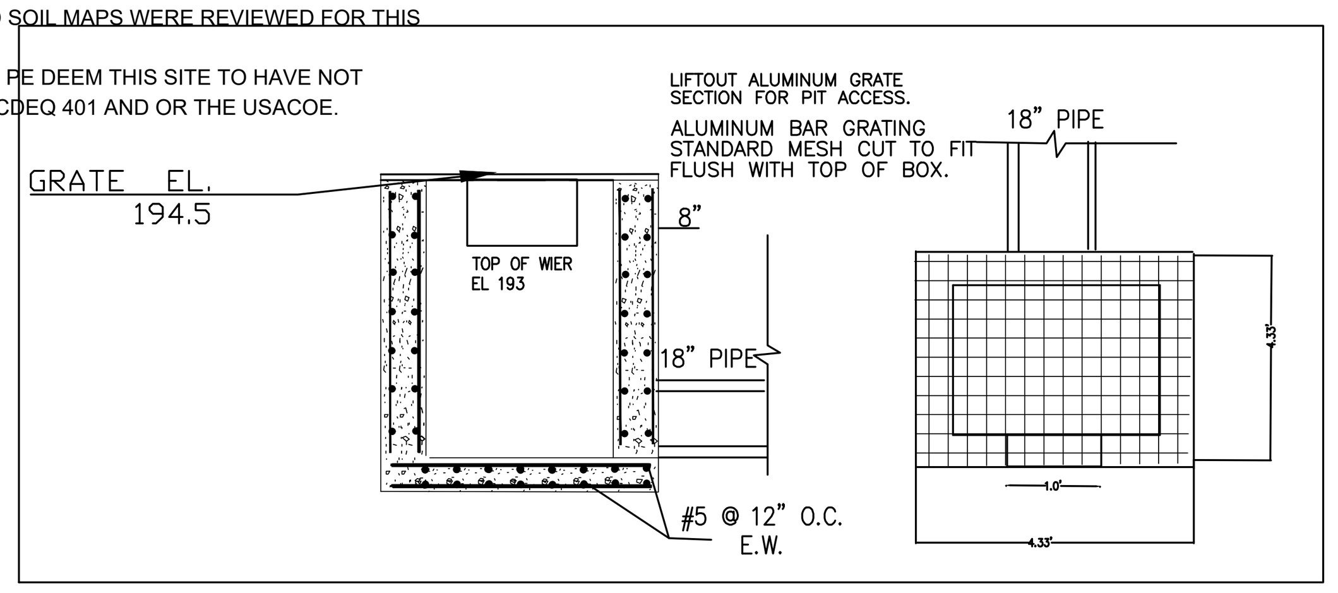
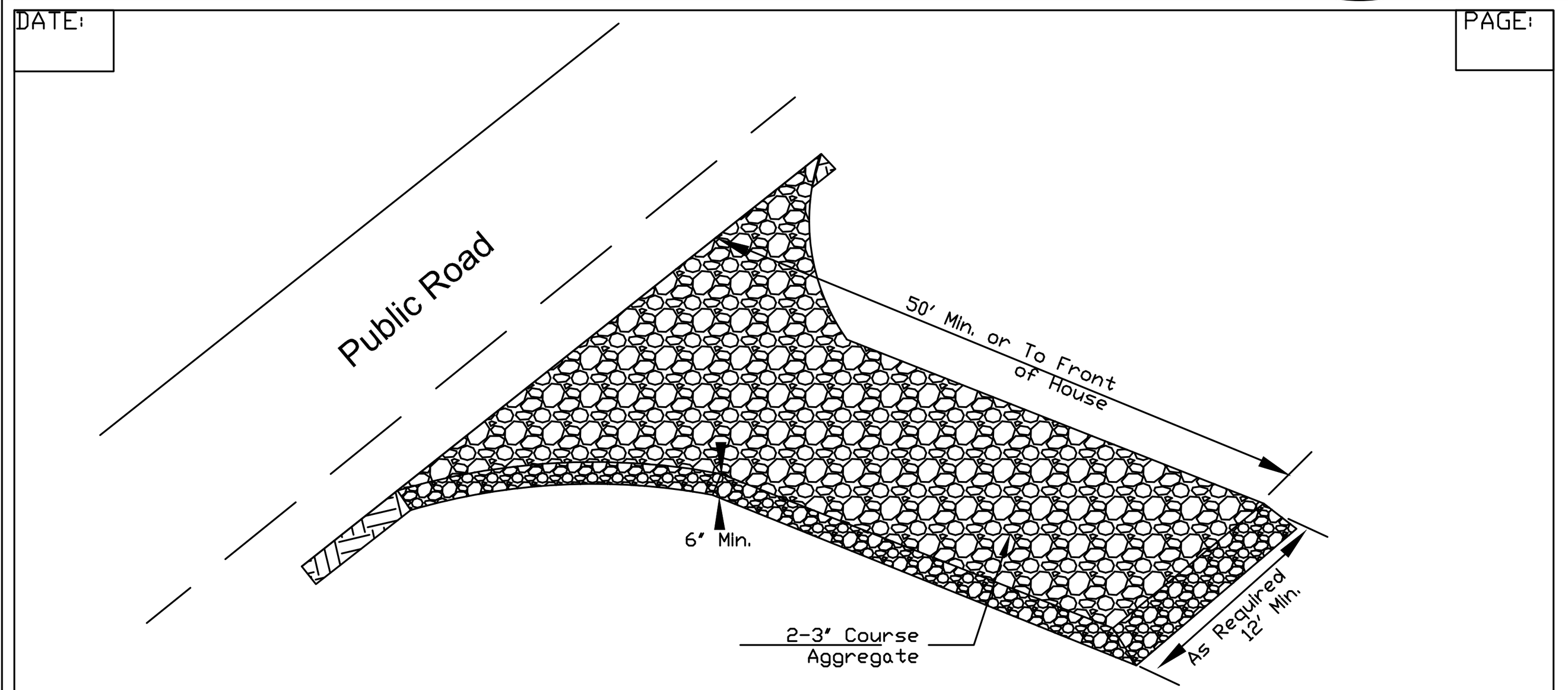


Sand Filter Outlet Structure (D1)
(NTS)

DATE: PAGE:



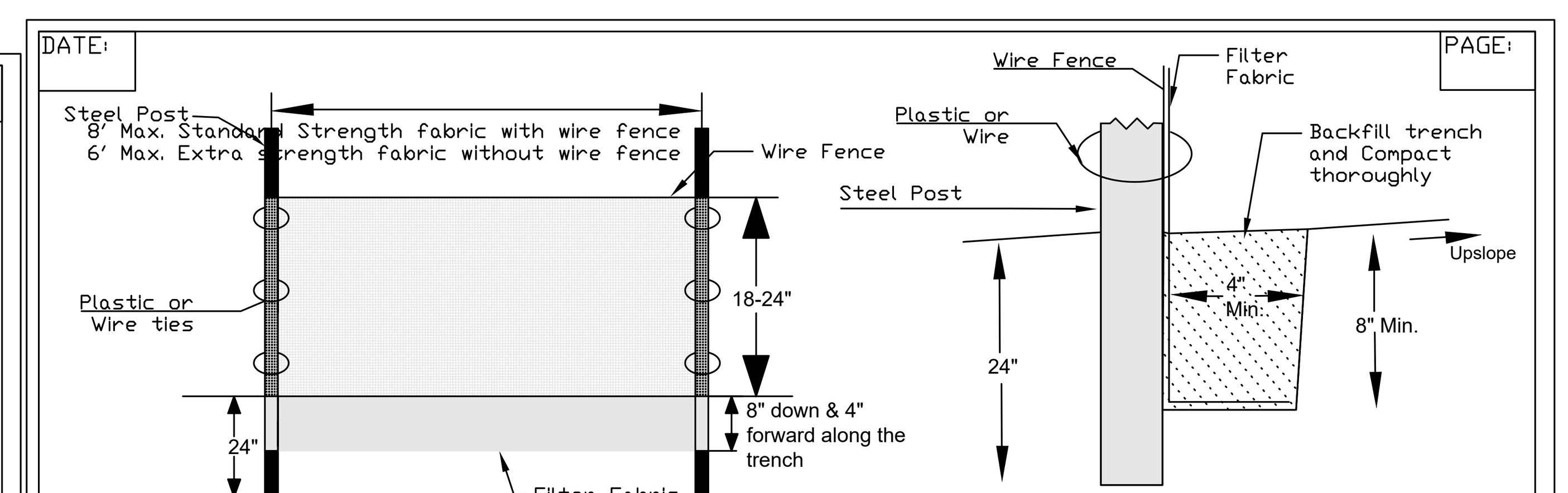
Construction:
1. Clear the entrance and exit area of all vegetation, roots, and other objectionable material and properly grade it.
2. Place the gravel to the specific grade and dimensions shown on the plans, and smooth it.
3. Provide drainage to carry water to a sediment trap or other suitable outlet.
4. Use geotextile fabrics in order to improve stability of the foundation in locations subject to seepage or high water table.

Maintenance:
1. Per NCG-01 inspect at least once a week and after each 1 inch or greater rainfall; make any required repairs immediately.
2. Maintain the gravel pad in a condition to prevent mud or sediment from leaving the construction site. This may require periodic topdressing with 2 inch stone.
3. Immediately remove all objectionable materials spilled, washed or tracked onto public roadways.

EFFECTIVE DATE: 11/12/2020

CONSTRUCTION ENTRANCE / EXIT

DATE: PAGE:



Construction:
1. Construct the sediment barrier of standard strength or extra strength synthetic filter fabrics.
2. Ensure that the height of the sediment fence does not exceed 24 inches above the ground. (Higher fences may impound volumes of water sufficient to cause failure of the structure)
3. Construct the filter fabric from a continuous roll cut to the length of the barrier to avoid joints. When joints are necessary, securely fasten the filter cloth only at a support post with 4 feet minimum overlap to the next post.
4. Support standard strength filter fabric by wire mesh fastened securely to the upslope side of the posts. Extend the wire mesh support to the bottom of the trench. Fasten the wire reinforcement, then fabric on the upslope side of the fence post. Wire or plastic zip ties should have a minimum 50 pound tensile strength.
5. When a wire mesh support fence is used, space posts a maximum of 8 feet apart. Supports should be driven securely into the ground a minimum of 24 inches.
6. Extra strength filter fabric with 6 foot post spacing does not require a wire mesh support fence. Securely fasten the filter fabric directly to posts. Wire or plastic zip ties should have a minimum of 50 pound tensile strength.
7. Excavate the trench approximately 4 inches wide and 8 inches deep along the proposed line of the posts and upslope from the barrier.
8. Place 12 inches of fabric along the bottom and side of the trench.
9. Backfill the trench with soil placed over the filter fabric and compact. Thorough compaction of the backfill is critical to silt fence performance.
10. Do not attach filter fabric to existing trees.

Maintenance:
1. Inspect sediment fences at least once a week and after each 1 inch or greater rainfall. Make any required repairs immediately.
2. Should the fabric of a sediment fence collapse, tear, decompose, or become ineffective, replace it promptly.
3. Remove sediment deposits as necessary to provide adequate storage volume for the next rain and reduce pressure on the fence. Take care to avoid undermining the fence during cleanouts.
4. Remove all fencing materials and unstable sediment deposits and bring the area to grade and stabilize it after the contributing drainage area has been properly stabilized.

EFFECTIVE DATE: 11/12/2020

SILT FENCE

5/11/24

NORTH CAROLINA PROFESSIONAL SEAL 20212 ENGINEER MARIE UMPHLETT PEEDIN

SCALE 1"=20'
0 20' 40'

INNER BANKS ENGINEERING, PC
P. O. BOX 154
Washington, NC 27889
252-945-2983
MUPEEDIN@IBXENGINEERING.COM
LICENSE NO. C-4111

Date	Description
4/18/24	ESCP COMMENTS
4/23/24	ADDED NG SERVICE, CONCRETE DELIVERY PAD AND ELECTRICAL CONDUIT FOR SIGN
5/10/24	MODIFIED SCM X SECTION DETAIL AND OTHER ITEMS PER NCDEQ STORMWATER COMMENTS

File No. 23039
Scale: 1"=20'
Sheet No. **C2**

OWNER:
GRAVITY COMPANIES, LLC
664 INDUSTRIAL PARK DRIVE
ELIZABETHTOWN, NC 28337

PIN NO. 1507-33-7313.000

GENERAL BUILDING INFORMATION

BUILDING USE: COMMERCIAL - RETAIL
TOTAL LOT SIZE = 1.526 AC±
BUILDING SIZE: 16,000SF

BUILDING HEIGHT: 20FT

ADDRESS:
46 SHRIJI LANE
ERWIN, NC

ZONING INFORMATION:
SITE ZONING: B 2
SETBACKS:
BUILDING MINIMUM BUILDING SETBACKS (UNLESS NOTED)
FRONT: 30'
SIDE: 0'
REAR: 20'
HEIGHT : 35 ' MAX

UTILITIES:

WASTEWATER SERVICE: 4" SEWER SERVICE - TOWN OF ERWIN
WATER SERVICE: 1" WATER SERVICE - TOWN OF ERWIN
ELECTRIC SERVICE:
NATURAL GAS SERVICE:

PARKING REQUIREMENTS:

PARKING SPACES TO BE TYPICAL (9 FEET X 20 FEET) UNLESS OTHERWISE NOTED
PARKING SPACES REQUIRED: 53
PARKING BUILDING CODE REQUIREMENTS: 1 SPACE PER 200 SF GFA

PARKING PROVIDED TOTAL : 36 SPACES
HANDICAP REQUIRED : 2 SPACES

GENERAL SITE NOTES:

ALL NEW SERVICES SHALL MEET ALL NC BUILDING CODE REQUIREMENTS

ALL EXISTING UTILITIES ARE SHOWN BASED ON FIELD EVIDENCE

PRIOR TO ANY DIGGING NC ONE CALL SHALL BE CALLED AND CONFIRM LOCATION AND SIZE OF ALL EXISTING UTILITIES.

Notes

LEGEND:

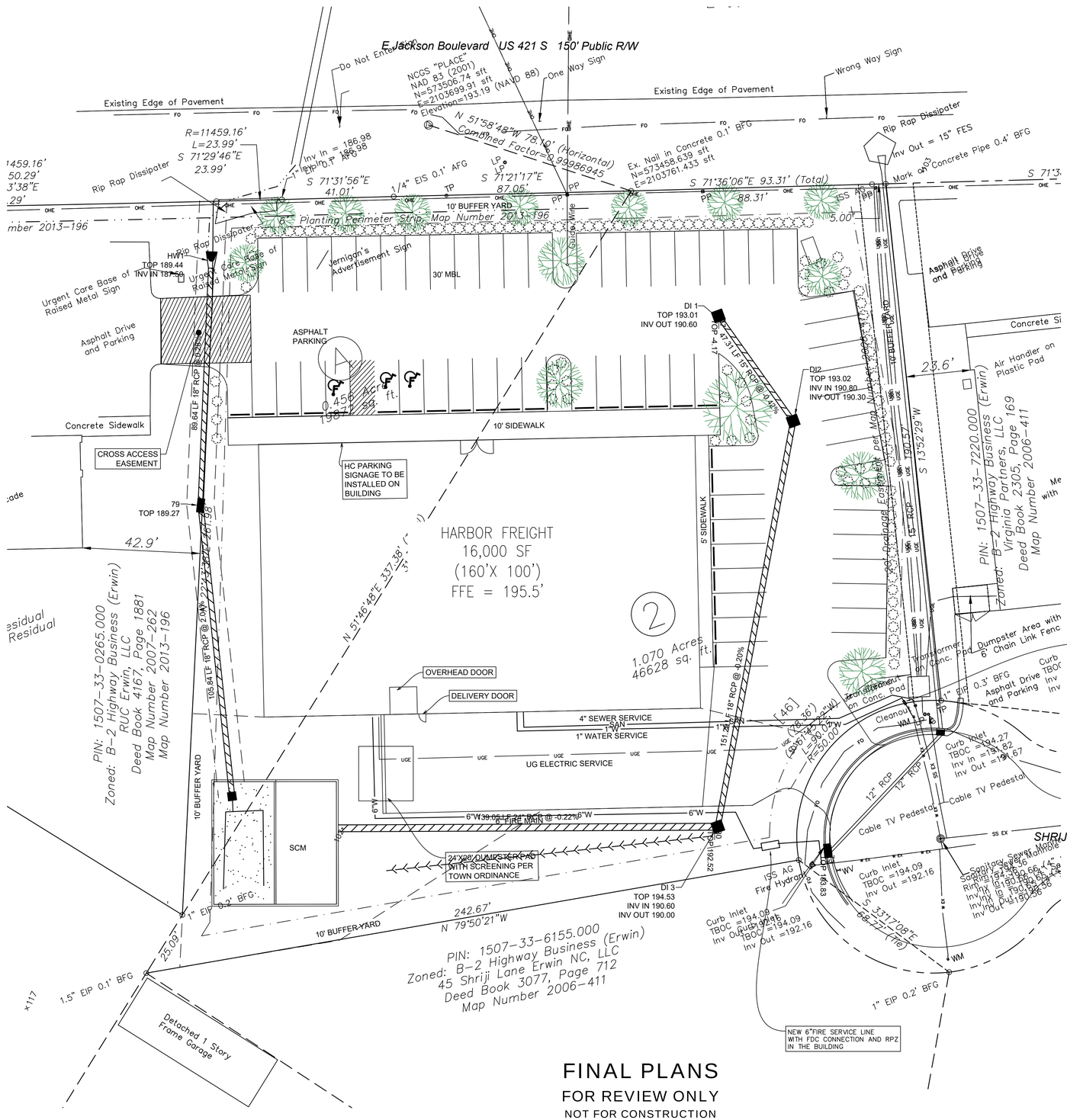
- EIS — EXISTING IRON STAKE
- EIP — EXISTING IRON PIPE
- EPK — EXISTING PK NAIL
- NPS — NO POINT SET
- NCGS MON — N.C. GEODETIC MONUMENT
- RW MON — EX. R/W MONUMENT
- RBS — REBAR SET
- MNS — MAG NAIL SET
- PP — POWER POLE
- LP — LIGHT POLE
- FIRE HYDRANT ASSEMBLY
- GAS VALVE
- S — SANITARY SEWER MAN HOLE
- D — STORM MANHOLE
- DROP INLET
- CATCH BASIN
- T — TELEPHONE PEDISTAL
- SANITARY SEWER CLEAN OUT
- BOLLARD
- EXISTING TREE
- SHRUB
- BC — BACK OF CURB
- R/W — RIGHT-OF-WAY
- FENCE LINE
- DITCH
- RIGHT-OF-WAY
- EX. WATER LINE
- EX. DRAINAGE PIPE
- NON SURVEYED PROPERTY LINE
- GRAVEL
- FLOODPLAIN
- MINOR CONTOUR
- MAJOR CONTOUR
- CONCRETE PAD

LANDSCAPING SCHEDULE

LOCATION & TYPE	MINIMUM QUANTITY	MINIMUM SIZE AT INSTALLATION	NOTES
TYPE C BUFFER YARD LAWN OR OTHER GROUND COVER	--	--	MINIMUM 5' YARD SHALL BE LAWN, LOW GROWING EVERGREEN SHRUBS, BROADLEAF EVERGREENS, OR OTHER GROUND COVER.
STREET FRONTAGE SCREENING EVERGREEN OR DECIDUOUS SHRUBS	7 56	TREES 3 GALLON CONTAINER	MINIMUM 5' YARD SHALL CONTAIN A MINIMUM OF 8 SHRUBS PER 40 LINEAR FEET OF STREET FRONTAGE. NATURAL MULCH OR PINE STRAW SHALL BE PROVIDED TO FORM A CONTINUOUS GROUND COVER AROUND SHRUBS.
PERIPHERAL SCREENING ORNAMENTAL TREE EVERGREEN OR DECIDUOUS SHRUBS	5 38	1 1/2" CALIPER OR 6 FT. IN HEIGHT 3 GALLON CONTAINER	MINIMUM 5' YARD SHALL CONTAIN A MINIMUM OF 1 SHADE OR ORNAMENTAL TREE AND 8 SHRUBS PER 40 LINEAR FEET OF PARKING AREA PERIMETER. NATURAL MULCH OR PINE STRAW SHALL BE PROVIDED TO FORM A CONTINUOUS GROUND COVER AROUND SHRUBS.
REFERENCE TOWN OF ERWIN ORDINANCE SECTION 36-436			

LANDSCAPING NOTES

1. LARGE TREES (MATURE HEIGHT OF MORE THAN 40 FT.) TO BE LOCATED A MINIMUM OF 15 FROM OVERHEAD UTILITY WIRES, POLES AND STREET LIGHTS AND A MINIMUM OF 10 FT. FROM UNDERGROUND UTILITIES AND BUILDINGS.
2. MEDIUM TREES (MATURE HEIGHT OF LESS THAN 40 FT. AND GREATER THAN 20 FT.) TO BE LOCATED A MINIMUM OF 10 FT. FROM OVERHEAD UTILITY WIRES, POLES, AND STREET LIGHTS AND A MINIMUM OF 8 FT. FROM UNDERGROUND UTILITIES AND BUILDINGS
3. SMALL AND ORNAMENTAL TREES (MATURE HEIGHT OF LESS THAN 20 FT.) TO BE LOCATED A MINIMUM OF 5 FT. FROM OVERHEAD UTILITY WIRES, POLES, AND STREET LIGHTS AND A MINIMUM OF 8 FT. FROM UNDERGROUND UTILITIES AND BUILDINGS
4. ALL REQUIRED TREES AND SHRUBS SHALL BE LOCATED A MINIMUM OF 5 FT. FROM EXISTING AND PROPOSED DITCH BANKS.
5. SHRUBS SHALL BE ALLOWED WITHIN DRAINAGE AND UTILITY EASEMENTS. TREES SHALL BE A MINIMUM OF 5 FT. OUTSIDE OF DRAINAGE AND UTILITY EASEMENTS.
6. ALL FRONT AND BUFFER YARDS SHALL BE SEEDED ACCORDING TO THE SEEDING NOTES IN THESE PLANS. ALL TREES AND SHRUBS IN FRONT AND BUFFER YARDS SHALL HAVE A MINIMUM 4 FT. DIA. BY 4 INCH THICK BEDDING OF PINE BARK MULCH UNLESS NOTED OTHERWISE.
7. ALL LANDSCAPING TO BE INSTALLED AND MAINTAINED PER THE TOWN OF ERWIN ORDINANCE SECTION 36-436 LANDSCAPING, BUFFERING AND SCREENING REGULATION. SEE SECTION 36-436(18): RECOMMENDED PLANT LIST FOR APPROVED LIST OF TREES, SHRUBS, AND SCREENING PLANTS.
8. PLACEMENT OF REQUIRED PLANTS SHALL BE THE DECISION OF THE DEVELOPER.



References
Deed Book 2513, Page 608 (Title to Shriji Properties, LLC)
Deed Book 4167, Page 1881 (Title to RUC Erwin, LLC)
Map Number 2005-715
Map Number 2006-349
Map Number 2006-411
Map Number 2007-262
Map Number 2013-196
All others as shown and/or noted hereon

FINAL PLANS
FOR REVIEW ONLY
NOT FOR CONSTRUCTION

North Carolina One-Call Center
811
Know what's below. Call before you dig.

INNER BANKS ENGINEERING, PC
P. O. BOX 154
Washington, NC 27889
252-945-2983
MUPEEDIN@IBXENGINEERING.COM
LICENSE NO. C-4111

INNER BANKS ENGINEERING, P.C.

LANDSCAPE PLAN

HARBOR FREIGHT - ERWIN
46 SHRIJI LANE
ERWIN, HARNETT COUNTY, NORTH CAROLINA

GRAVITY COMPANIES, LLC
664 INDUSTRIAL PARK DRIVE
ELIZABETHTOWN, NC 28337
919-414-5166

5/11/24

NORTH CAROLINA PROFESSIONAL SEAL 29212 ENGINEER MARIE UMPHLETT PEEDIN

Date	Description

File No.

Scale:

Sheet No.

C3

DETAILS PLAN

HARBOR FREIGHT- ERWIN
46 SHRIJI LANE
ERWIN, HARNETT COUNTY, NORTH CAROLINA

GRAVITY COMPANIES, LLC

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
• Temporary grass seed covered with straw or other mulches and tackifiers • Hydroseeding • Rolled erosion control products with or without temporary grass seed • Appropriately applied straw or other mulch • Plastic sheeting	• Permanent grass seed covered with straw or other mulches and tackifiers • Geotextile fabrics such as permanent soil reinforcement matting • Hydroseeding • Shrubs or other permanent plantings covered with mulch • Uniform and evenly distributed ground cover sufficient to restrain erosion • Structural methods such as concrete, asphalt or retaining walls • Rolled erosion control products with grass seed

POLYACRYLAMIDES (PAMS) AND FLOCCULANTS

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

EQUIPMENT AND VEHICLE MAINTENANCE

1. Maintain vehicles and equipment to prevent discharge of fluids.
2. Provide drip pans under any stored equipment.
3. Identify leaks and repair as soon as feasible, or remove leaking equipment from the project.
4. Collect all spent fluids, store in separate containers and properly dispose as hazardous waste (recycle when possible).
5. Remove leaking vehicles and construction equipment from service until the problem has been corrected.
6. 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

1. Never bury or burn waste. Place litter and debris in approved waste containers.
2. Provide a sufficient number and size of waste containers (e.g dumpster, trash receptacle) on site to contain construction and domestic wastes.
3. Locate waste containers at least 50 feet away from storm drain inlets and surface waters unless no other alternatives are reasonably available.
4. 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.
5. Cover waste containers at the end of each workday and before storm events or provide secondary containment. Repair or replace damaged waste containers.
6. Anchor all lightweight items in waste containers during times of high winds.
7. Empty waste containers as needed to prevent overflow. Clean up immediately if containers overflow.
8. Dispose waste off-site at an approved disposal facility.
9. On business days, clean up and dispose of waste in designated waste containers.

PAINT AND OTHER LIQUID WASTE

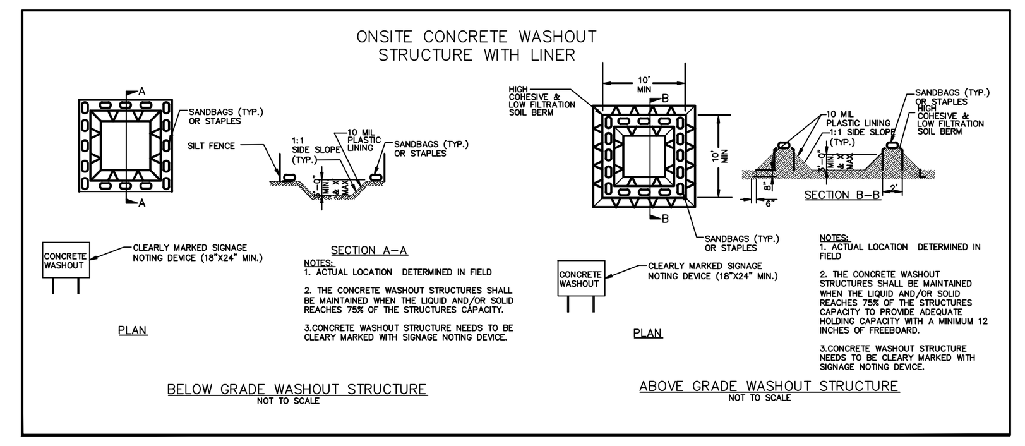
1. Do not dump paint and other liquid waste into storm drains, streams or wetlands.
2. Locate paint washouts at least 50 feet away from storm drain inlets and surface waters unless no other alternatives are reasonably available.
3. Contain liquid wastes in a controlled area.
4. Containment must be labeled,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

PORTABLE TOILETS

1. 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.
2. Provide staking or anchoring of portable toilets during periods of high winds or in high foot traffic areas.
3. 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

1. 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.
2. Protect stockpile with silt fence installed along toe of slope with a minimum offset of five feet from the toe of stockpile.
3. Provide stable stone access point when feasible.
4. 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

1. Do not discharge concrete or cement slurry from the site.
2. Dispose of, or recycle settled, hardened concrete residue in accordance with local and state solid waste regulations and at an approved facility.
3. 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.
4. 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.
5. 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.
6. 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.
7. 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.
8. 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.
9. 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.
10. 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

1. Store and apply herbicides, pesticides and rodenticides in accordance with label restrictions.
2. 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.
3. 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.
4. Do not stockpile these materials onsite.

HAZARDOUS AND TOXIC WASTE

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

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

PART III
SELF-INSPECTION, RECORDKEEPING AND REPORTING

SECTION A: SELF-INSPECTION

Self-inspections are required during normal business hours in accordance with the table below. When adverse weather or site conditions would cause the safety of the inspection personnel to be in jeopardy, the inspection may be delayed until the next business day on which it is safe to perform the inspection. In addition, when a storm event of equal to or greater than 1.0 inch occurs outside of normal business hours, the self-inspection shall be performed upon the commencement of the next business day. Any time when 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 un-attended 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	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	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	If visible sedimentation is found outside site limits, then a record of the following shall be made: 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	If the stream or wetland has increased visible sedimentation or a stream has visible increased turbidity from the construction activity, then a record of the following shall be made: 1. Description, evidence and date of corrective actions taken, and 2. Records of the required reports to the appropriate Division Regional Office per Part III, Section C, Item (2)(a) of this permit.
(6) Ground stabilization measures	After each phase of grading	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 III
SELF-INSPECTION, RECORDKEEPING AND REPORTING

SECTION B: RECORDKEEPING

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.

2. Additional Documentation to be Kept on Site

In addition to the E&SC 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.

3. Documentation to be Retained for Three Years

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

SECTION C: REPORTING

1. Occurrences that Must be Reported

Permittees shall report the following occurrences:

(a) Visible sediment deposition in a stream or wetland.

(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.

2. Reporting Timeframes and Other Requirements

After a permittee becomes aware of an occurrence that must be reported, he shall contact 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	• ***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	• ***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) Anticipated bypasses [40 CFR 122.41(m)(3)]	• ***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)]	• ***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)]	• ***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.

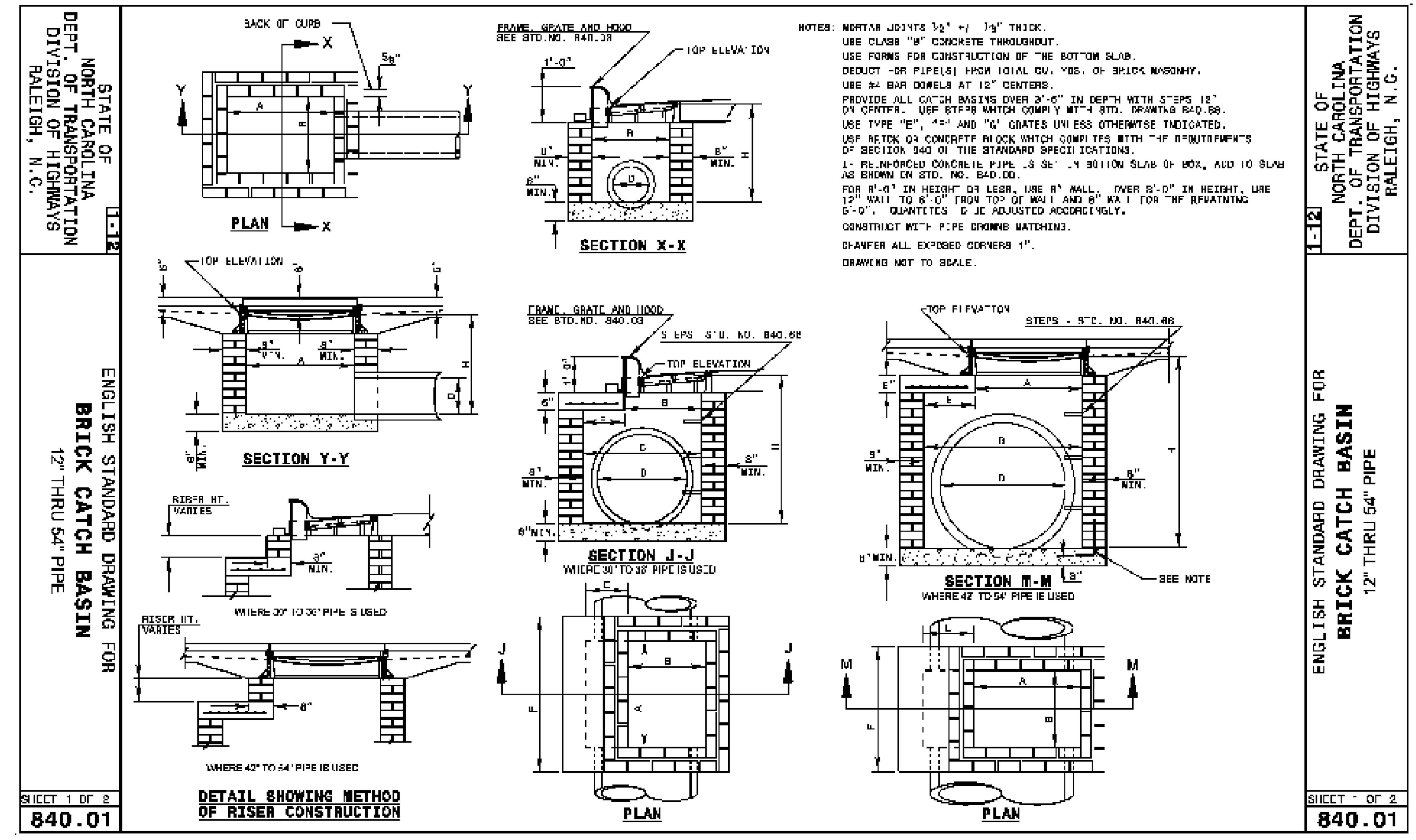
PART II, SECTION G, ITEM (4)
DRAW DOWN OF SEDIMENT BASINS FOR MAINTENANCE OR CLOSE OUT

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.

NORTH CAROLINA Environmental Quality

NCG01 SELF-INSPECTION, RECORDKEEPING AND REPORTING | EFFECTIVE: 04/01/19



EROSION CONTROL NOTES

1. NO LAND DISTURBING ACTIVITY BEYOND THE REQUIRED TO INSTALL APPROPRIATE EROSION CONTROL MEASURES MAY NOT PROCEED UNTIL EROSION CONTROL MEASURES ARE INSPECTED AND APPROVED BY THE COUNTY.
2. SEED OR OTHERWISE PROVIDE GROUND COVER DEVICES OR STRUCTURES SUFFICIENT TO RESTRAIN EROSION FOR ALL DENUDED SLOPES WITHIN 7 DAYS FOR SLOPES STEEPER THAN 3:1 OR 14 DAYS FOR SLOPES FLATTER THAN 4:1.
3. CONTRACTOR SHALL INSPECT AND MAINTAIN AS NEEDED ALL EROSION CONTROL DEVICES ON A WEEKLY BASIS AND AFTER EACH MAJOR STORM EVENT. FAILURE TO KEEP EROSION CONTROL DEVICES IN GOOD WORKING ORDER MAY RESULT IN ISSUANCE OF A STOP WORK ORDER OR CIVIL PENALTIES UP TO $5000 PER DAY OF VIOLATION. SITES UTILIZING SEDIMENT TRAPS MUST ALSO SPECIFY A MAXIMUM DEPTH OF SEDIMENT PRIOR TO CLEAN OUT.
4. THE ENGINEER RESERVES THE RIGHT TO REQUIRE ADDITIONAL EROSION CONTROL MEASURES SHOULD THE PLAN OR ITS IMPLEMENTATION PROVE TO BE INADEQUATE.
5. ACCEPTANCE & APPROVAL OF THIS PLAN IS CONDITIONED UPON YOUR COMPLIANCE WITH FEDERAL AND STATE WATER QUALITY LAWS, REGULATIONS AND RULES.
6. MAINTAIN EROSION CONTROL MEASURES AS NECESSARY.

CONSTRUCTION SCHEDULE:

1. OBTAIN PLAN APPROVALS AND ALL APPLICABLE PERMITS.
2. INSTALL TEMPORARY GRAVEL CONSTRUCTION ENTRANCE
3. INSTALL PERMANENT PERIMETER SEDIMENT FENCES AS THE FIRST CONSTRUCTION ACTIVITY PRIOR TO THE INSTALLATION OF ANY FILL.
4. STRIP SITE OF TOPSOIL (6") AND STOCKPILE ON SITE TO USE IN FINAL GRADING OF SITE.
5. PERFORM GRADING ACTIVITIES IN PARKING LOTS & BUILDING PADS.
6. INSTALL STORM DRAINAGE PIPE
7. INSTALL EROSION CONTROL MEASURES AT ENDS OF STORM DRAINAGE PIPES AND INLETS
8. CONSTRUCT SANDFILTER BASIN
9. BEGIN SEWER SERVICE CONSTRUCTION.
10. INSTALL WATER LINE AND SERVICES.
11. FINE GRADE PARKING LOTS & BUILDING PADS.
12. APPLY TEMPORARY SEEDING TO ALL DISTURBED AREAS WHERE WORK IS DELAYED AND/OR WHERE WORK IS COMPLETE.
13. PROOF ROLL SUBGRADE.
14. INSTALL SIDEWALKS AND HC RAMPS.
15. INSTALL CABC UNDER ASPHALT.
16. INSTALL UNDERGROUND ELECTRICAL.
17. FINE GRADE BUILDING PADS AND OPEN AREAS AND TOP DRESS AREAS TO BE SEEDED WITH STOCKPILED TOPSOIL.
18. SEED & MULCH ALL EXPOSED AREAS EXCEPT BUILDING PADS PER SEEDING SPECIFICATIONS.
19. PERFORM THICKNESS AND COMPACTION TESTING ON CABC(BY OWNER).
20. PAVE PARKING LOT AND STRIPE.
21. IN ANY EVENT, SLOPES LEFT EXPOSED WILL BE PLANTED OR OTHERWISE PROVIDED WITH GROUND COVER, DEVICES OR STRUCTURES SUFFICIENT TO RESTRAIN EROSION WITHIN SEVEN (7) DAYS FOR SLOPES STEEPER THAN 3:1, OR WITHIN FOURTEEN (14) DAYS FOR SLOPES FLATTER THAN 4:1.
22. ADDITIONAL EROSION & SEDIMENTATION CONTROL MEASURES MAY BE REQUIRED BY THE CITY OR ENGINEER IF DEEMED NECESSARY.
23. AFTER SITE IS STABILIZED, REMOVE ALL TEMPORARY MEASURES, FINE GRADE DISTURBED AREAS, AND INSTALL PERMANENT VEGETATION ON THE DISTURBED AREAS.
24. AFTER AREA IS STABILIZED REMOVE SEDIMENT FROM SAND FILTER BASIN AND INSTALL REQUIRED STONE AND SAND FILTER MATERIALS.
25. FINE GRADE, PERMANENTLY SEED AND MULCH ALL LANDSCAPED AREAS.
26. REMOVE ALL TEMPORARY EROSION AND SEDIMENTATION CONTROL MEASURES UPON COMPLETION AND STABILIZATION OF PROJECT.

SEEDING BED AND MULCHING SCHEULE PER ARCE

COMPLETE GRADING BEFORE PREPARING SEEDBEDS, AND INSTALL ALL NECESSARY EROSION CONTROL PRACTICES SUCH AS SWALES AND BASINS. MINIMIZE STEEP SLOPES. IF SOILS HAVE BECOME COMPACTED DURING GRADING, LOOSEN THEM TO A DEPTH OF 6–8 INCHES USING A RIPPER, HARROW, OR CHISEL PLOW. IF RAINFALL CAUSES THE SURFACE TO BECOME SEALED OR CRUSTED, LOOSEN IT JUST PRIOR TO SEEDING BY DISKING, RAKING, HARROWING, OR OTHER SUITABLE METHODS. GROOVE OR FURROW SLOPES STEEPER THAN 3:1 ON THE CONTOUR BEFORE SEEDING.

THE KINDS OF SEED AND FERTILIZER, AND THE RATES OF APPLICATION OF SEED, FERTILIZER, AND LIMESTONE, SHALL BE AS STATED BELOW. DURING PERIODS OF OVERLAPPING DATES, THE KIND OF SEED TO BE USED SHALL BE DETERMINED BY THE ENGINEER.

SEEDING PLAN

1. TEMPORARY SEEDING

PLANING DATES	GRASS TYPE	POUNDS/ACRE
DEC. 1 – APR. 15	RYE (GRAIN)	120
	KOBE LESPEDEZA	50
APR. 15 – AUG. 15	GERMAN MILLET	40
AUG. 15 – DEC. 1	RYE (GRAIN)	120
LIME		3,000
FERTILIZER	10–10–10	800
MULCH	STRAW	4,000

2. PERMANENT SEEDING

PLANING DATES	GRASS TYPE	POUNDS/ACRE
SEPT. 1 – OCT. 3	TALL FESCUE	200
	KOBE LESPEDEZA	50
	RYE (GRAIN)	25
LIME		4,000
FERTILIZER	10–10–10	1,000
MULCH	STRAW	4,000

TACK RATE = 11 GAL / 1000 SF

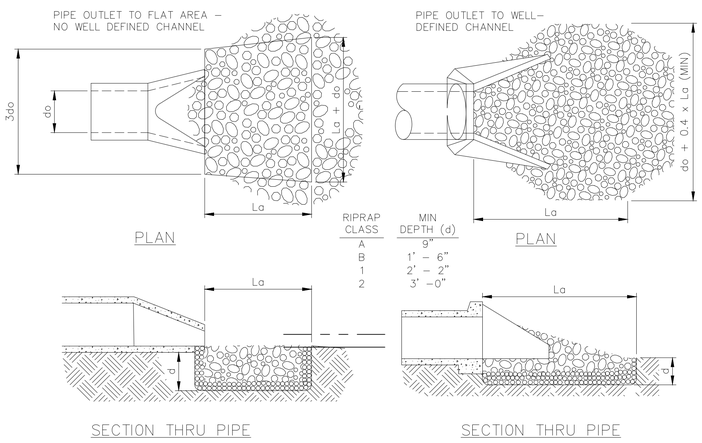
1/24/24

FINAL PLANS
FOR REVIEW ONLY
NOT FOR CONSTRUCTION

INNER BANKS ENGINEERING, PC
P. O. BOX 154
Washington, NC 27889
252–945–2983
MUPEEDIN@IBXENGINEERING.COM
LICENSE NO. C–4111

Description	Date

File No. 23039
Scale: NTS
Sheet No. C4

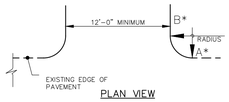


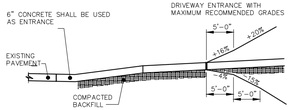
NOTES: 1. La IS THE LENGTH OF THE RIP–RAP APRON.

2. do IS THE NOMINAL SIZE OF THE OUTLET PIPE.
3. IN A WELL–DEFINED CHANNEL EXTEND THE APRON UP THE CHANNEL BANKS TO AN ELEVATION OF 6" ABOVE THE MAXIMUM TAILWATER DEPTH OR TO THE TOP OF THE BANK, WHICHEVER IS LESS. WIDEN CHANNEL AS NECESSARY TO ACHIEVE REQUIRED WIDTH AT DISTANCE La FROM OUTLET. RIPRAP ENTIRE DISTURBED PORTION OF THE CHANNEL.
4. A FILTER BLANKET OR FILTER FABRIC SHOULD BE INSTALLED BETWEEN THE RIP–RAP AND SOIL FOUNDATION.

RIP RAP OUTLET PROTECTION

Scale: Not To Scale:





NOTES:

1. CURB SHALL BE TAPERED TO FINISH FLUSH WITH SIDEWALK.
2. BEGINNING RADIUS SHALL NOT ENCROACH ON ADJACENT PROPERTIES BASED ON A PROJECTION OF THE PROPERTY LINE FROM THE RIGHT OF WAY TO THE CURB LINE.
3. SIDEWALK SECTION SHALL BE REQUIRED TO BE REPLACED

NCDOT STD. DRIVE ENTRANCE

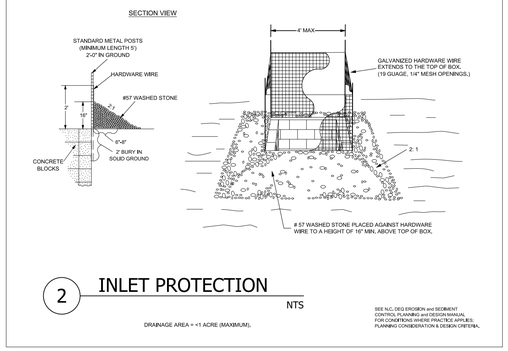
Scale: Not To Scale:

NOTES TO CONTRACTOR:

–COMMERCIAL AND INDUSTRIAL DRIVEWAYS TO BE A MAXIMUM OF 36 FEET WIDE.

–ALL CONCRETE SHALL BE 3000 P.S.I.

*–ELEVATION "B" MINUS ELEVATION "A" EQUALS 1 INCH.

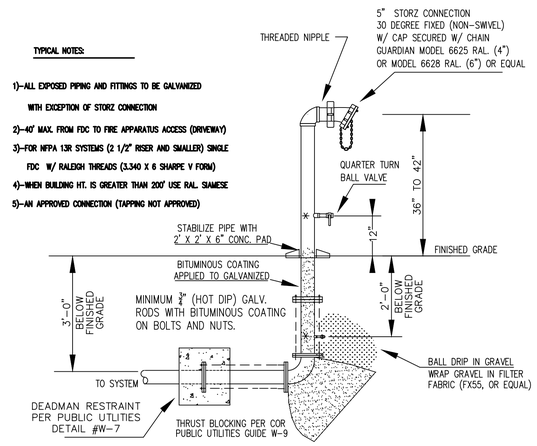


2 INLET PROTECTION

NTS

DRAINAGE AREA = <1 ACRE (MAXIMUM).

SEE N.C. DEQ EROSION and SEDIMENT CONTROL PLANNING and DESIGN MANUAL FOR CONDITIONS WHERE PRACTICE APPLIES. PLANNING CONSIDERATION & DESIGN CRITERIA.



REMOTE FDC CONNECTION

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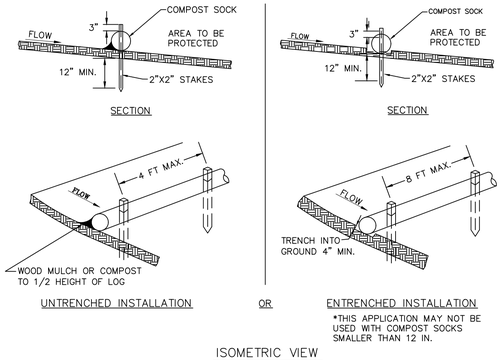
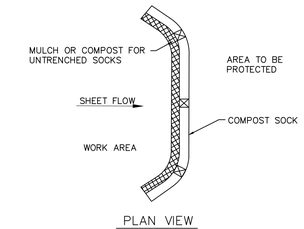
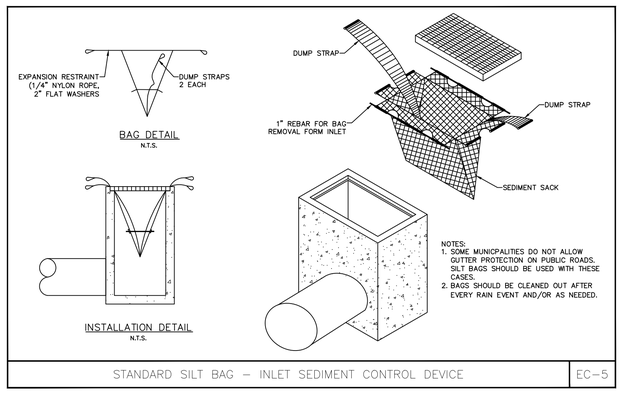


ISOMETRIC VIEW

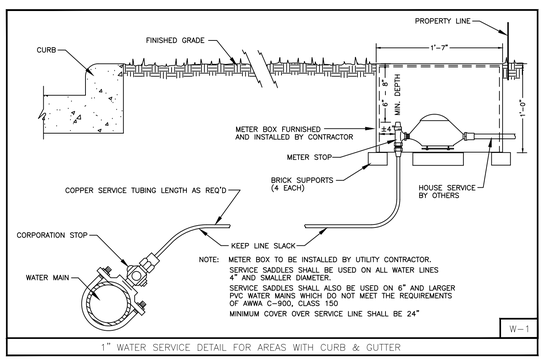


WADDELS DETAIL

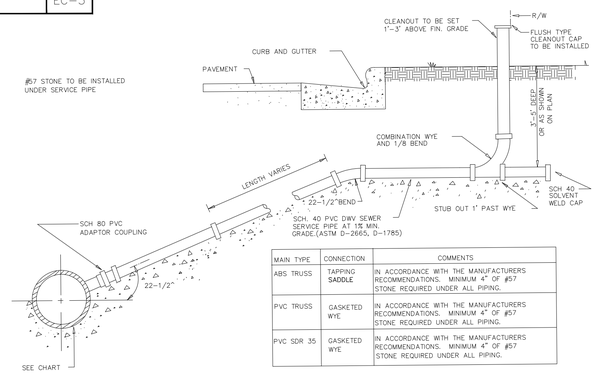
Scale: Not To Scale:



STANDARD SILT BAG – INLET SEDIMENT CONTROL DEVICE | EC–5



1" WATER SERVICE DETAIL FOR AREAS WITH CURB & GUTTER | W–1



MAIN TYPE	CONNECTION	COMMENTS
ABS TRUSS	TAPPING SADDLE	IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATIONS. MINIMUM 4" OF #57 STONE REQUIRED UNDER ALL PIPING.
PVC TRUSS	GASKETED WYE	IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATIONS. MINIMUM 4" OF #57 STONE REQUIRED UNDER ALL PIPING.
PVC SDR 35	GASKETED WYE	IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATIONS. MINIMUM 4" OF #57 STONE REQUIRED UNDER ALL PIPING.

PVC SANITARY SEWER SERVICE DETAIL FOR AREA WITH CURB AND GUTTER FOR MAINS WITH A MAXIMUM DEPTH OF 12'

SEWER SERVICE

MAINTENANCE PLAN

CONSTRUCTION ENTRANCE

MAINTAIN THE GRAVEL PAD IN A CONDITION TO PREVENT MUD OR SEDIMENT FROM LEAVING THE CONSTRUCTION SITE. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH 2–INCH STONE. AFTER EACH RAINFALL, INSPECT ANY STRUCTURE USED TO TRAP SEDIMENT AND CLEAN IT OUT AS NECESSARY. IMMEDIATELY REMOVE ALL OBJECTIONABLE MATERIALS SPILLED, WASHED, OR TRACKED ONTO PUBLIC ROADWAYS.

SILT FENCE

INSPECT SEDIMENT FENCES AT LEAST ONCE A WEEK AND AFTER EACH RAINFALL. ENSURE SEDIMENT FENCE IS STILL TOED IN AS PER DRAWINGS. MAKE ANY REQUIRED REPAIRS IMMEDIATELY. SHOULD THE FABRIC OF SEDIMENT FENCE COLLAPSE, TEAR, DECOMPOSE OR BECOME INEFFECTIVE, REPLACE IT PROMPTLY. REMOVE SEDIMENT DEPOSITS AS NECESSARY TO PROVIDE ADEQUATE STORAGE VOLUME FOR THE NEXT RAIN AND TO REDUCE PRESSURE ON THE FENCE. TAKE CARE TO AVOID UNDERMING THE FENCE DURING CLEANOUT. REMOVE ALL FENCING MATERIALS AND UNSTABLE SEDIMENT DEPOSITS AND BRING THE AREA TO GRADE AND STABILIZE IT AFTER THE CONTRIBUTING DRAINAGE AREA HAS BEEN PROPERLY STABILIZED.

INLET PROTECTION – HARDWARE CLOTH AND GRAVEL INLET PROTECTION

INSPECT INLETS AT LEAST WEEKLY AND AFTER EACH SIGNIFICANT (1/2 INCH OR GREATER) RAINFALL EVENT. CLEAR THE MESH WIRE OF ANY DEBRIS OR OTHER OBJECTS TO PROVIDE ADEQUATE FLOW FOR SUBSEQUENT RAINS. TAKE CARE NOT TO DAMAGE OR UNDERCUT THE WIRE MESH DURING SEDIMENT REMOVAL. REPLACE STONE AS NEEDED.

ROCK RIP–RAP

INSPECT CHANNELS AT REGULAR INTERVALS AS WELL AS MAJOR RAINS, AND MAKE REPAIRS PROMPTLY. GIVE SPECIAL ATTENTION TO THE OUTLET AND INLET SECTIONS AND OTHER POINTS WHERE CONCENTRATED FLOW ENTER CAREFULLY CHECK STABILITY AT ROAD CROSSINGS, AND LOOK FOR INDICATION OF PIPING, SCOURING HOLES, OR BANK FAILURES. MAKE REPAIRS IMMEDIATELY. MAINTAIN ALL VEGETATION ADJACENT TO THE CHANNEL IN A HEALTHY, VIGOROUS CONDITION TO PROTECT THE AREA FROM EROSION AND SCOUR DURING OUT OF BANK FLOW.

GRADED AREAS

PERIODICALLY, CHECK ALL GRADED AREAS AND THE SUPPORTING EROSION AND SEDIMENTATION CONTROL PRACTICES, ESPECIALLY AFTER HEAVY RAINFALLS. PROMPTLY REMOVE ALL SEDIMENT FROM DIVERSIONS AND OTHER WATER–DISPOSAL PRACTICES. IF WASHOUTS OR BREAKS OCCUR, REPAIR THEM IMMEDIATELY. PROMPT MAINTENANCE OF SMALL ERODED AREAS BEFORE THEY BECOME SIGNIFICANT GULLIES. AREAS ARE TO BE SEEDED AS PER NORTH CAROLINA EROSION AND SEDIMENTATION NOTES AND SEEDING CRITERIA.

DUST CONTROL

MAINTAIN ALL AND ANY DUST CONTROL MEASURES THROUGH DRY WEATHER PERIODS UNTIL ALL DISTURBED AREAS HAVE BEEN STABILIZED.

CONCRETE WASHOUT

OPERATING AND INSPECTING WASHOUT FACILITIES CONCRETE WASHOUT FACILITIES SHOULD BE INSPECTED WEEKLY AND ESPECIALLY AFTER HEAVY RAINS TO CHECK FOR LEAKS, IDENTIFY ANY PLASTIC LININGS AND SIDEWALLS HAVE BEEN DAMAGED BY CONSTRUCTION ACTIVITIES, AND DETERMINE WHETHER THEY HAVE BEEN FILLED TO OVER 75 PERCENT CAPACITY. WHEN THE WASHOUT CONTAINER IS FILLED TO OVER 75 PERCENT OF ITS CAPACITY, DISCONTINUE POURING CONCRETE INTO THE FACILITY UNTIL IT HAS BEEN CLEANED OUT. ALLOW SLURRY TO EVAPORATE OR REMOVE FROM SITE IN A SAFE MANNER. ALL HARDENED MATERIAL SHOULD BE REMOVED AND RECYCLED. DAMAGES TO THE CONTAINER SHOULD BE REPAIRED PROMPTLY. BEFORE HEAVY RAINS, THE WASHOUT CONTAINER'S LIQUID LEVEL SHOULD BE LOWERED OR THE CONTAINER SHOULD BE COVERED TO AVOID AN OVERFLOW DURING THE RAIN STORM. ANY OVERFLOWING OF THE WASHOUT FACILITIES ONTO THE GROUND MUST BE CLEANED AND REMOVED WITHIN 24 HOURS OF EVENT. REMOVE TEMPORARY CONCRETE WASHOUT FACILITY WHEN THEY ARE NO LONGER NEEDED AND RESTORE THE DISTURBED AREAS TO THEIR ORIGINAL CONDITION OR AS PROPOSED ON THE PLAN.

TEMPORARY VEGETATION

RESEED AND MULCH AREA WHERE SEEDLING EMERGENCE IS POOR, OR WHERE EROSION OCCURS, AS SOON AS POSSIBLE. DO NOT MOW. PROTECT FROM TRAFFIC AS MUCH AS POSSIBLE.

ROCK DONUT INLET PROTECTION

INSPECT ROCK DOUGHNUT INLET PROTECTION AT LEAST WEEKLY AND AFTER EACH SIGNIFICANT (½" OR GREATER) RAINFALL EVENT AND REPAIR IMMEDIATELY.

TO PROVIDE SATISFACTORY INLET PROTECTION EFFICIENCY, REMOVE SEDIMENT FROM THE SEDIMENT POOL AREA WHEN THE VOLUME IS DECREASED BY HALF. THIS WILL HELP PROVIDE ADEQUATE STORAGE VOLUME FOR THE NEXT RAIN. STABILIZE EXCAVATED MATERIAL APPROPRIATELY.

TAKE CARE NOT TO DAMAGE OR UNDERCUT THE STRUCTURE DURING SEDIMENT REMOVAL. REMOVE DEBRIS FROM THE INLET AND REPLACE STONE AS NEEDED. IF THE INLET WAS COVERED WITH WIRE MESH THE MESH SHOULD BE CLEANED OF DEBRIS.

WHEN THE CONTRIBUTING DRAINAGE AREA HAS BEEN ADEQUATELY STABILIZED, REMOVE ALL MATERIALS AND DISPOSE OF SEDIMENT PROPERLY. BRING THE DISTURBED AREA TO THE GRADE OF THE DROP INLET. SMOOTH AND COMPACT IT AS NEEDED.

APPROPRIATELY STABILIZE ALL BARE AREAS AROUND THE INLET WITH GROUND COVER.

MULCHING

INSPECT ALL MULCHES PERIODICALLY, AND AFTER RAINSTORMS TO CHECK FOR RILL EROSION, DISLOCATION OR FAILURE. WHERE EROSION IS OBSERVED, APPLY ADDITIONAL MULCH. IF WASHOUT OCCURS, REPAIR THE SLOPE GRADE, RESEED AND REINSTALL MULCH. CONTINUE INSPECTIONS UNTIL VEGETATION IS FIRMLY ESTABLISHED.

WATTLE

INSPECT WATTLES AT LEAST ONCE A WEEK AND AFTER EACH SIGNIFICANT RAINFALL (½" OR GREATER). MAKE ANY REPAIRS IMMEDIATELY.

SHOULD WATTLE COLLAPSE, TEAR, DECOMPOSE, OR BECOME INEFFECTIVE, REPLACE PROMPTLY.

REMOVE SEDIMENT DEPOSITS TO PROVIDE ADEQUATE STORAGE VOLUME FOR THE NEXT RAIN EVENT WHEN SEDIMENT HAS ACCUMULATED TO ½ OF THE WATTLE DIAMETER SIZE.

TAKE CARE TO AVOID DAMAGING OR UNDERMINING THE WATTLE DURING CLEANOUT.

SILT BAG

REMOVE ALL ACCUMULATED SEDIMENT AND DEBRIS FROM THE SURFACE AND VICINITY OF THE UNIT AFTER EACH SIGNIFICANT (½" OR GREATER) RAINFALL EVENT.

REMOVE THE SEDIMENT THAT HAS ACCUMULATED WITHIN CONTAINMENT AREA OF THE SILT BAG WHEN TRAPPED SEDIMENT HAS ACCUMULATED TO 50% OF THE BAG CAPACITY OR IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.

IF USING OPTIONAL OIL ABSORBENTS, REMOVE AND REPLACE ABSORBENT PILLOW WHEN NEAR SATURATION.

INNER BANKS ENGINEERING, PC
P. O. BOX 154
Washington, NC 27889
252–945–2983
MUPEEDING@IBXENGINEERING.COM
LICENSE NO. C–4111

FINAL PLANS
FOR REVIEW ONLY
NOT FOR CONSTRUCTION

DETAILS PLAN

HARBOR FREIGHT- ERWIN

46 SHRIJI LANE
ERWIN, HARNETT COUNTY, NORTH CAROLINA

GRAVITY COMPANIES, LLC
641 INDUSTRIAL PARK DRIVE
ELIZABETHTOWN, NC 28337
919-414-5166

1/24/24

NORTH CAROLINA PROFESSIONAL SEAL 20212 ENGINEER MARIE UMPHLETT PEEDIN

Marie U. Peedin

Date	Description

File No. 23039
Scale: NTS
Sheet No. C5

OWNER:
GRAVITY COMPANIES, LLC
664 INDUSTRIAL PARK DRIVE
ELIZABETHTOWN, NC 28337

PIN NO. 1507-33-7313.000

GENERAL BUILDING INFORMATION

BUILDING USE: COMMERCIAL - RETAIL
TOTAL LOT SIZE = 1.526 AC±
BUILDING SIZE: 16,000SF

BUILDING HEIGHT: 20FT

ADDRESS:
46 SHRIJI LANE
ERWIN, NC

ZONING INFORMATION:
SITE ZONING: B 2
SETBACKS:
BUILDING MINIMUM BUILDING SETBACKS (UNLESS NOTED)
FRONT: 30'
SIDE: 0'
REAR: 20'
HEIGHT : 35 ' MAX

UTILITIES:

WASTEWATER SERVICE: 4" SEWER SERVICE - TOWN OF ERWIN
WATER SERVICE: 1" WATER SERVICE - TOWN OF ERWIN
ELECTRIC SERVICE:
NATURAL GAS SERVICE:

PARKING REQUIREMENTS:

PARKING SPACES TO BE TYPICAL (9 FEET X 20 FEET) UNLESS OTHERWISE NOTED
PARKING SPACES REQUIRED: 53
PARKING BUILDING CODE REQUIREMENTS: 1 SPACE PER 200 SF GFA

PARKING PROVIDED TOTAL : 36 SPACES
HANDICAP REQUIRED : 2 SPACES

GENERAL SITE NOTES:

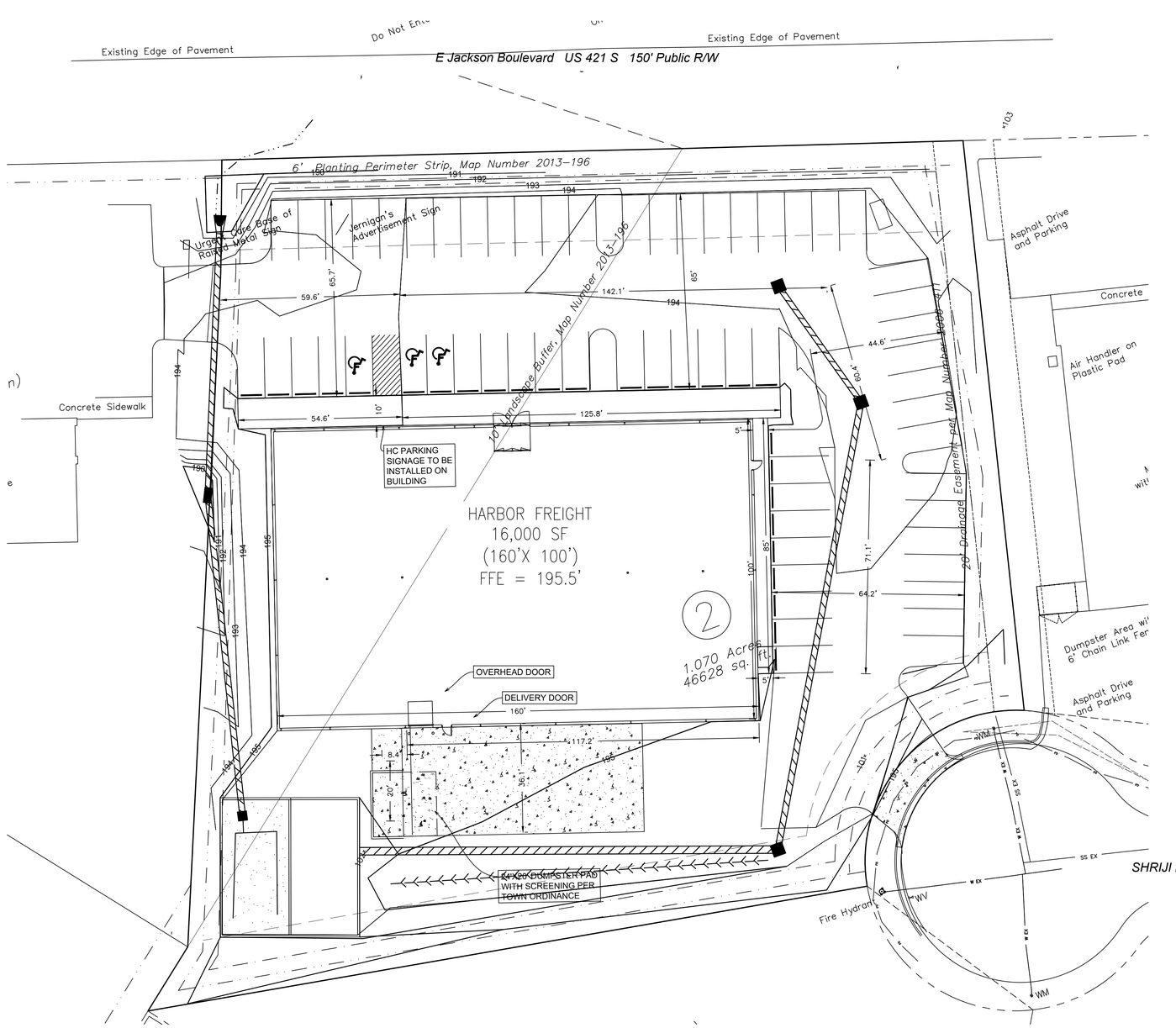
ALL NEW SERVICES SHALL MEET ALL NC BUILDING CODE REQUIREMENTS

ALL EXISTING UTILITIES ARE SHOWN BASED ON FIELD EVIDENCE

PRIOR TO ANY DIGGING NC ONE CALL SHALL BE CALLED AND CONFIRM LOCATION AND SIZE OF ALL EXISTING UTILITIES.

LEGEND:

- EIS — EXISTING IRON STAKE
- EIP — EXISTING IRON PIPE
- EPK — EXISTING PK NAIL
- NPS — NO POINT SET
- NCGS MON. — N.C. GEODETIC MONUMENT
- RW MON — EX. R/W MONUMENT
- RBS — REBAR SET
- MNS — MAG NAIL SET
- PP — POWER POLE
- LP — LIGHT POLE
- FIRE HYDRANT ASSEMBLY
- GAS VALVE
- SANITARY SEWER MAN HOLE
- STORM MANHOLE
- DROP INLET
- CATCH BASIN
- TELEPHONE PEDISTAL
- SANITARY SEWER CLEAN OUT
- BOLLARD
- EXISTING TREE
- SHRUB
- BC — BACK OF CURB
- R/W — RIGHT-OF-WAY
- FENCE LINE
- DITCH
- RIGHT-OF-WAY
- EX. WATER LINE
- EX. DRAINAGE PIPE
- NON SURVEYED PROPERTY LINE
- GRAVEL
- FLOODPLAIN
- MINOR CONTOUR
- MAJOR CONTOUR
- CONCRETE PAD



NOTES:

1. A WETLAND EVALUATION WAS NOT PERFORMED ON THIS PROPERTY.
2. FRED SMITH THE SOIL SCIENTIST WAS ON SITE AND MADE NO COMMENTS REGARDING WETLANDS.
3. SOILS WERE EVALUATED AND SOIL MAPS WERE REVIEWED FOR THIS DETERMINATION
4. THEREFORE I, MARIE PEEDIN, PE DEEM THIS SITE TO HAVE NOT WETLANDS AS DEFINED BY NCDEQ 401 AND OR THE USACOE.

North Carolina
One-Call Center
811
Know what's below.
Call before you dig.

INNER BANKS ENGINEERING, PC
P. O. BOX 154
Washington, NC 27889
252-945-2983
MUPEEDIN@IBXENGINEERING.COM
LICENSE NO. C-4111

INNER BANKS ENGINEERING, P.C.

BUA DIMENSIONS

HARBOR FREIGHT- ERWIN
46 SHRIJI LANE
ERWIN, HARNETT COUNTY, NORTH CAROLINA

GRAVITY COMPANIES, LLC
664 INDUSTRIAL PARK DRIVE
ELIZABETHTOWN, NC 28337
910-414-5166

5/11/24

NORTH CAROLINA PROFESSIONAL SEAL 20212 ENGINEER MARIE UMPHLETT PEEDIN

Date	Description
4/16/24	ESCP COMMENTS
4/23/24	ADDED NG SERVICE, CONCRETE DELIVERY PAD AND ELECTRICAL CONDUIT FOR SIGN
5/10/24	MODIFIED SCM X SECTION DETAIL AND OTHER ITEMS PER NCDEQ STORMWATER COMMENTS

File No. 23039

Scale: 1"=20'

Sheet No.

DA

OWNER:
GRAVITY COMPANIES, LLC
664 INDUSTRIAL PARK DRIVE
ELIZABETHTOWN, NC 28337

PIN NO. 1507-33-7313.000

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BUILDING SIZE: 16,000SF

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46 SHRIJI LANE
ERWIN, NC

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HEIGHT : 35 ' MAX

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WATER SERVICE: 1" WATER SERVICE - TOWN OF ERWIN
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NATURAL GAS SERVICE:

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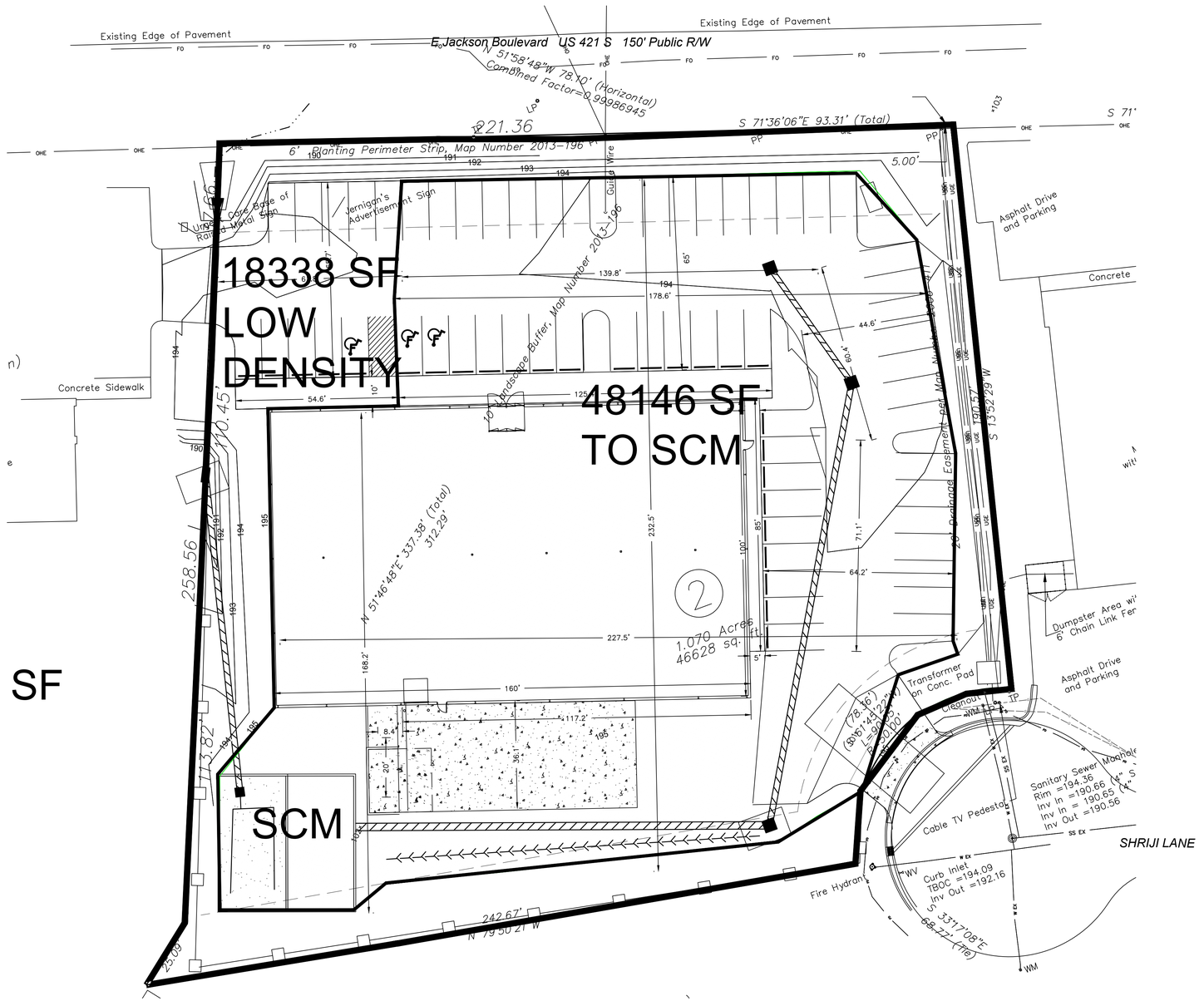
- GAS VALVE
- SANITARY SEWER MAN HOLE
- STORM MANHOLE
- DROP INLET
- CATCH BASIN
- TELEPHONE PEDISTAL
- SANITARY SEWER CLEAN OUT
- BOLLARD
- EXISTING TREE
- SHRUB
- BC — BACK OF CURB
- R/W — RIGHT-OF-WAY
- FENCE LINE
- DITCH
- RIGHT-OF-WAY
- EX. WATER LINE
- EX. DRAINAGE PIPE
- NON SURVEYED PROPERTY LINE
- GRAVEL
- FLOODPLAIN
- MINOR CONTOUR
- MAJOR CONTOUR
- CONCRETE PAD



TOTAL DA = 66484 SF

HD A = 48146 SF

LD A = 18338 SF

NOTES:

1. A WETLAND EVALUATION WAS NOT PERFORMED ON THIS PROPERTY.
2. FRED SMITH THE SOIL SCIENTIST WAS ON SITE AND MADE NO COMMENTS REGARDING WETLANDS.
3. SOILS WERE EVALUATED AND SOIL MAPS WERE REVIEWED FOR THIS DETERMINATION
4. THEREFORE I, MARIE PEEDIN, PE DEEM THIS SITE TO HAVE NOT WETLANDS AS DEFINED BY NCDEQ 401 AND OR THE USACOE.

North Carolina
One-Call Center

811
Know what's below.
Call before you dig.

SCALE 1"=20'
0 20' 40'

INNER BANKS ENGINEERING, PC
P. O. BOX 154
Washington, NC 27889
252-945-2983
MUPEEDIN@IBXENGINEERING.COM
LICENSE NO. C-4111

INNER BANKS ENGINEERING, P.C.

DRAINAGE AREA TO SCM

HARBOR FREIGHT- ERWIN
46 SHRIJI LANE
ERWIN, HARNETT COUNTY, NORTH CAROLINA

GRAVITY COMPANIES, LLC
664 INDUSTRIAL PARK DRIVE
ELIZABETHTOWN, NC 28337
910-414-5166

5/11/24

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 20212 MARIE UMPHLETT PEEDIN

Date	Description
4/18/24	ESCP COMMENTS
4/23/24	ADDED NO SERVICE, CONCRETE DELIVERY PAD AND ELECTRICAL CONDUIT FOR SIGN
5/11/24	REVISED DRAINAGE AREA PER NCDEQ#1

File No. 23039

Scale: 1"=20'

Sheet No.

DA