

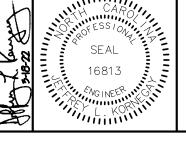
	NO.	REVISION	DATE
	1	REMOVE PROPOSED WATER LINES & SANITARY SEWER	12-7-2022
	2	REVISE STORM PIPE B/W CB 7 & CB 9 TO 24" ADD STOP SIGNS	1-18-2023
		ADD EXISTING 8" NATURAL GAS LINE, REVISE GATEWAY DRIVE INTERSECTION	4-28-202 <b>3</b>



B. R. KORNEGAY, INC. LAND SURVEYING . ENGINEERING . PLANNING License Number: F-1054 300 East Walnut Street

Goldsboro, N.C. 27530

www.kornegaysep.com (919) 735-5886 Fax: (919) 580-9053



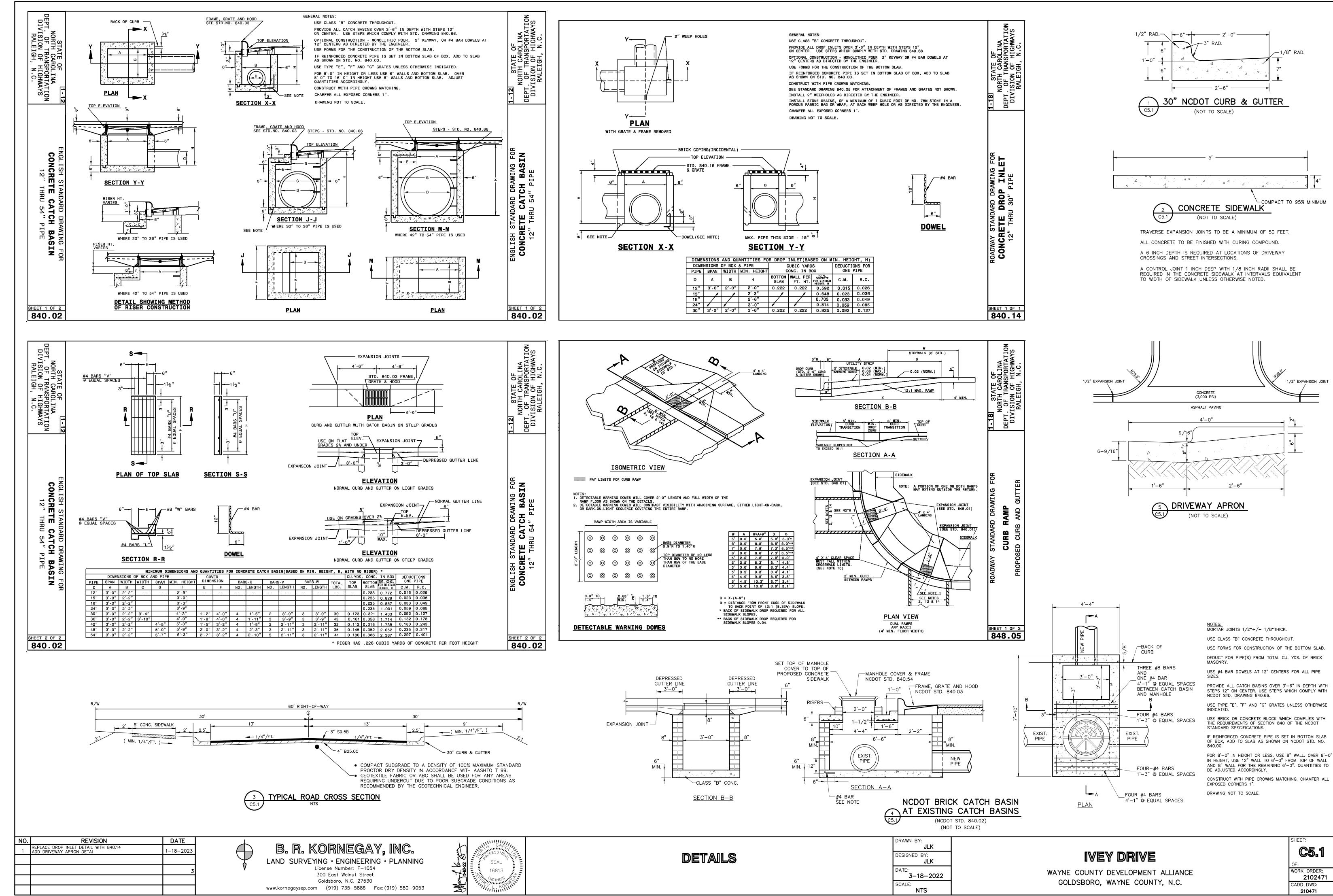
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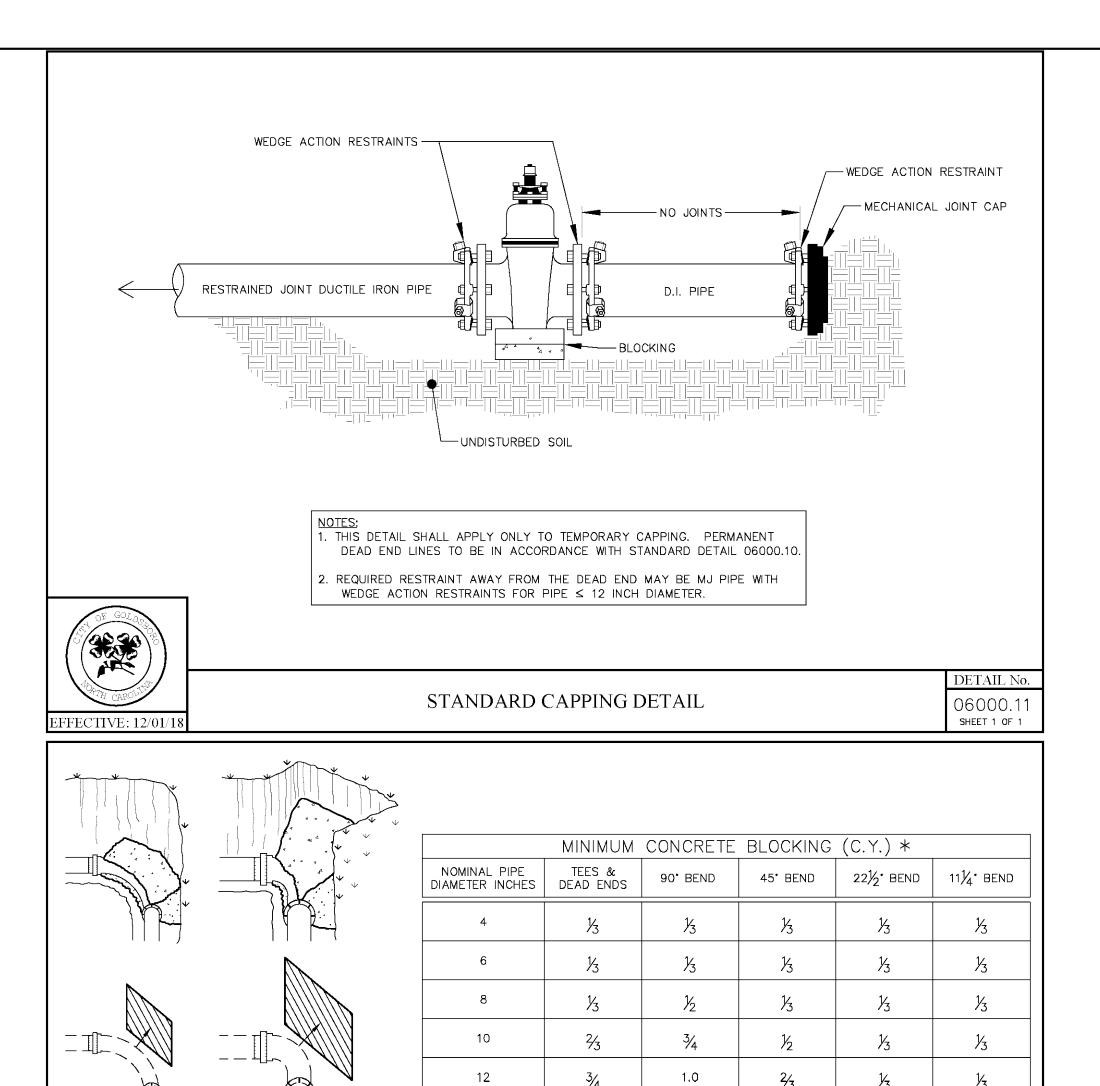
DRAWN BY:	
JLK	
DESIGNED BY:	
JLK	
DATE:	
3-18-2022	
SCALE:	
1" = 50'	

IVEY DRIVE & SANITARY SEWER WAYNE COUNTY DEVELOPMENT ALLIANCE

GOLDSBORO, WAYNE COUNTY, N.C.

C1.8 work order: **210471** CADD DWG:





PROFESSIONAL ENGINEER'S SEALED DESIGN CONSISTING OF

B. R. KORNEGAY, INC.

LAND SURVEYING • ENGINEERING • PLANNING

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06000.13

SHEET 1 OF 1

SHEET 1 OF 2

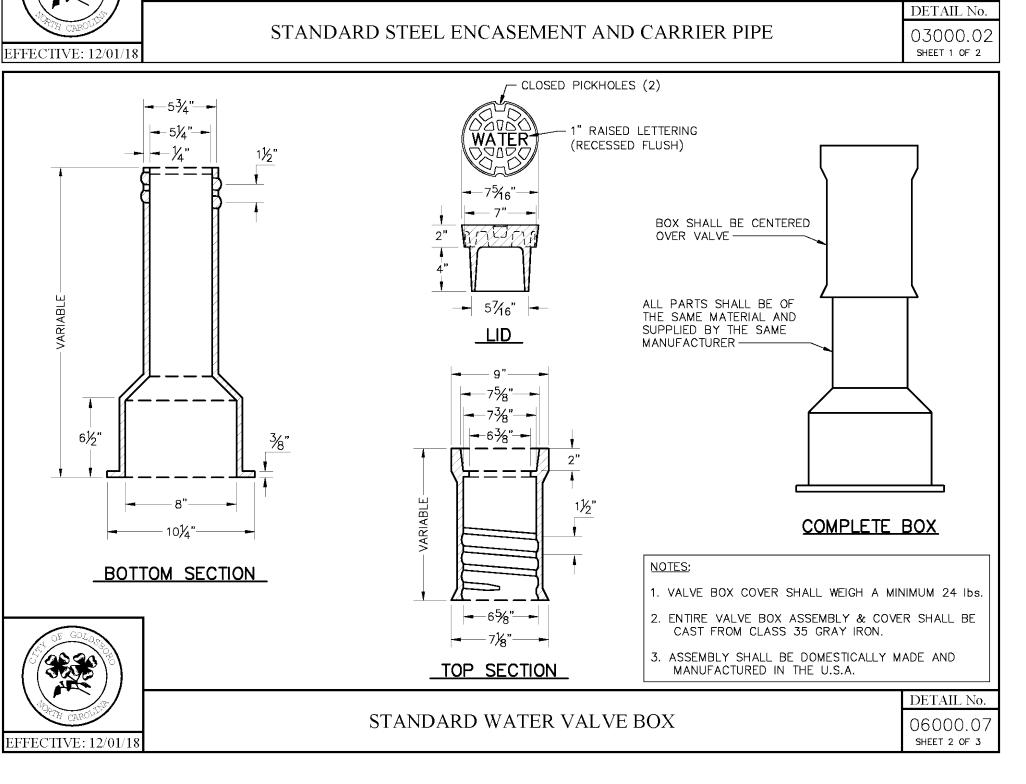
16813

2. NO CONCRETE SHALL COVER BOLTS OR GLANDS.

RESTRAINED JOINT PIPE OR BLOCKING.

\* CONCRETE SHALL BE 3,000 P.S.I. MIX.

3. PIPE DIAMETERS BEYOND 12 INCHES SHALL UTILIZE A



- ENCLOSE ENDS WITH 8" BRICK MASONRY

(SEAL WITH NON-SHRINK GROUT AS REQUIRED)

- DRAINAGE GRAVEL

3/4" WEEPHOLE AT LOW POINT OF CASING

WITHIN THE CASING PIPE.

CARRIER MAIN.

(10 CU. FT. STONE)

4. FOR CASING SIZE SEE STANDARD SPECIFICATIONS.

1. STEEL SPACERS SHALL BE USED FOR SUPPORT OF THE CARRIER PIPE

2. A MINIMUM SPACING OF 2 SPACERS PER JOINT OF CARRIER PIPE SHALI

THE SPACERS SHALL BE LOCATED EVENLY ALONG THE CARRIER PIPE

SUCH THAT EACH SPACER SUPPORTS THE SAME UNIT WEIGHT OF THE

5. RECLAIMED WATER LINE SHALL BE PVC WITH RESTRAINED JOINTS.

BE REQUIRED. 3 SPACERS ARE REQUIRED FOR CARRIER PIPE ? 36

SLOPE TO DRAIN

**ELEVATION** 

2" GALVANIZED VENT AT HIGH END OF CASING.

VENT TO BE USED FOR ALL STREAM CROSSINGS, NOT REQUIRED FOR TYPICAL ROADWAY BORES.

CARRIER PIPE-

**ELEVATION** 

STEEL SPACER-

3/8" STEEL PLATE-

CONTINUOUS WELD

BOTH SIDES (TYP.) -

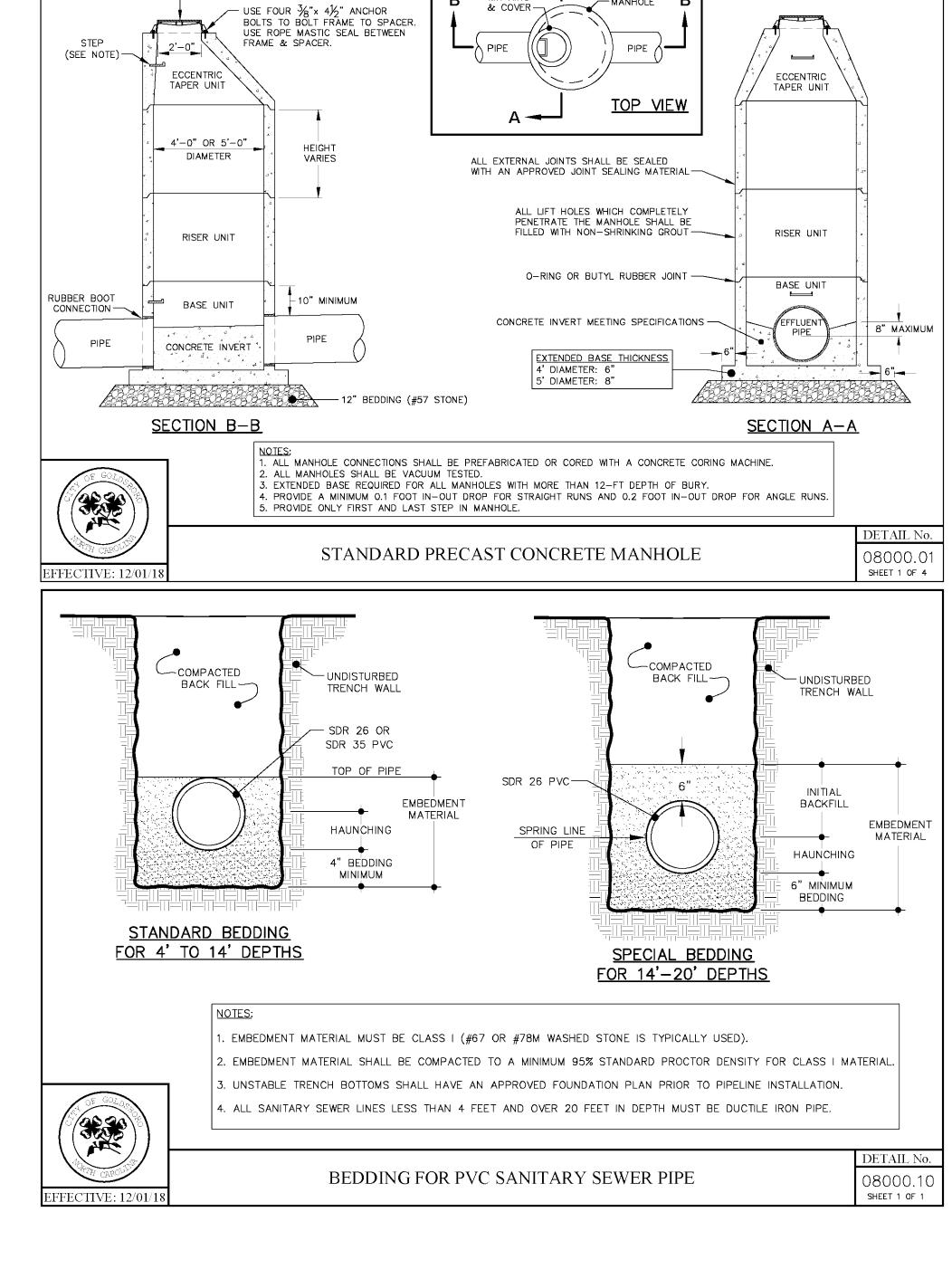
STEEL ENCASEMENT PIPE -

VENT TO HAVE INSECT SCREEN WELDED TO END. -

- LOCKING JOINT D.I.P. CARRIER

MAIN (SEE NOTES FOR EXCEPTIONS)

-STEEL ENCASEMEN

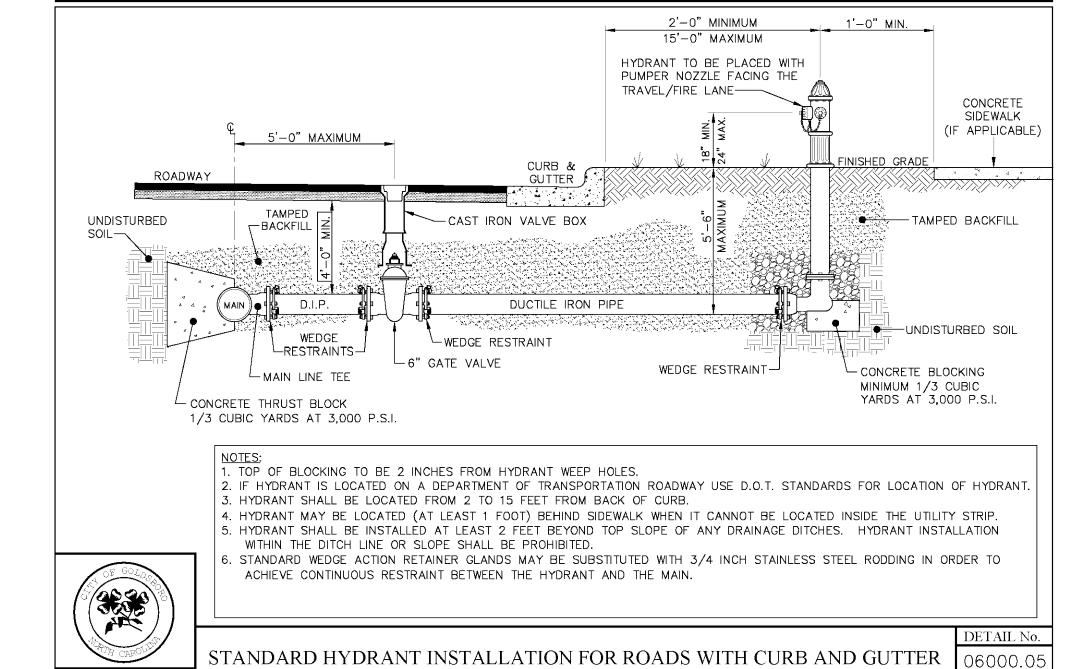


- MANHOLE

& COVER-

- STANDARD MANHOLE RING & COVER

(SEE DETAIL 07000.03)



STANDARD THRUST BLOCKING

EFFECTIVE: 12/01/

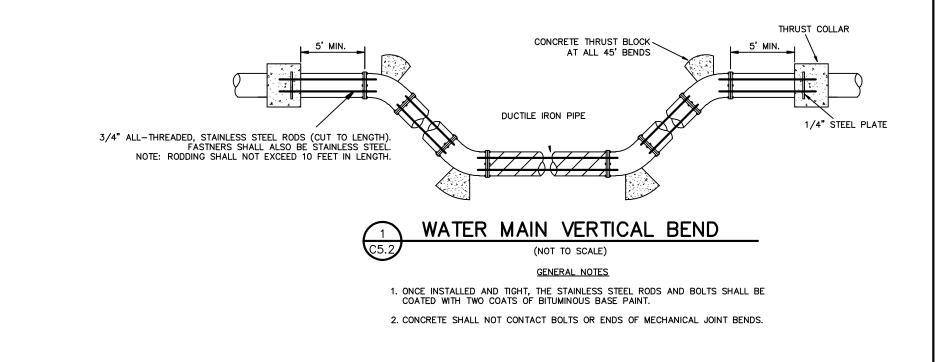
EFFECTIVE: 12/01/1

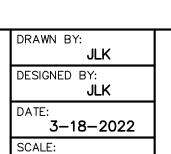
ADD WATER LINE DETAILS

REVISION

REMOVE PROPOSED WATER LINES & SANITAR SEWER 4-8-2022

DATE





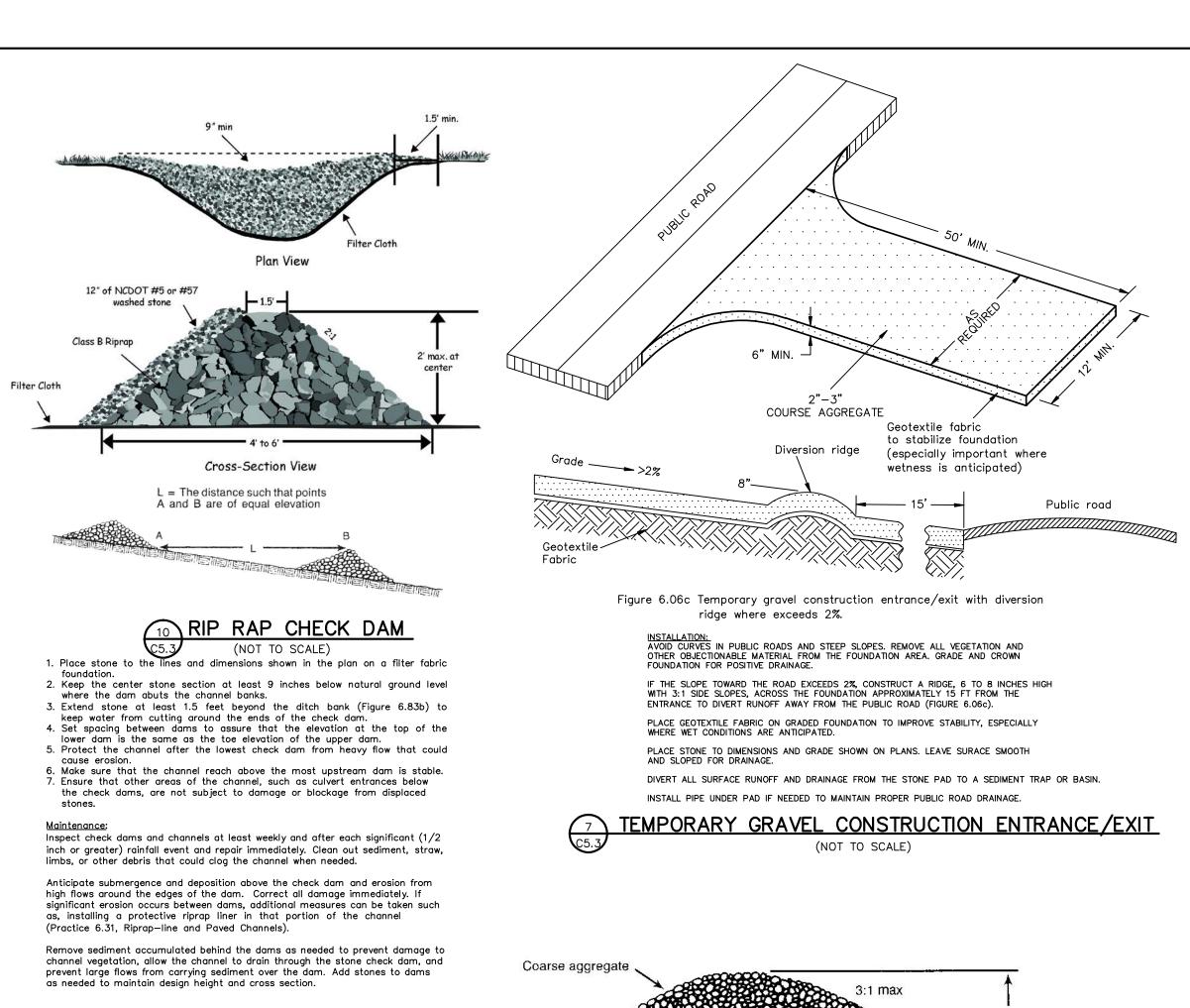
NTS

IVEY DRIVE

WORK ORDER: 2102471 CADD DWG:

UTILITY DETAILS

WAYNE COUNTY DEVELOPMENT ALLIANCE GOLDSBORO, WAYNE COUNTY, N.C.



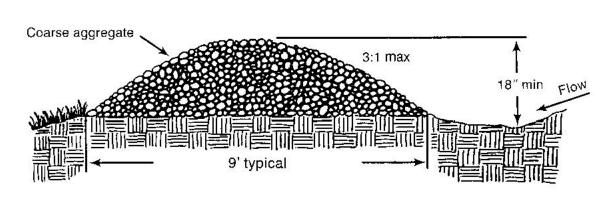


Figure 6.20b Temporary gravel diversion dike for vehicle crossing (modified from Va SWCC). \* TEMPORARY DIVERSION DITCH SECT. 6.20, ERUSION & SEDIMENT CONTROL PLANNING & DESIGN MANUAL

1. Remove and properly dispose of all trees, brush, stumps, and other objectionable material. 2. Ensure that the minimum constructed cross section meets all design requirements. 3. Ensure that the top of the dike is not lower at any point than the design elevation plus the specified settlement. 4. Provide sufficient room around diversions to permit machine regrading and cleanout. 5. Vegetate the ridge immediately after construction, unless it will remain in place less than 30 working days.

side slope: 2:1 or flatter, 3:1 or flatter at points where cross top width: 2 ft. minimum freeboard: 0.3 ft. minimum

settlement: 10% pf total fill height minimum

STEEL FENCE POST

SET MAX 2' APART
MIN. 18" INTO SOLID

1. Hardware cloth and gravel should overlay the silt fence at least 12 inches.

2. Stone outlets should be placed on low elevation areas of silt fence and

1. Inspect silt fence outlets at least weekly and after every rainfall of 1.0

inches or greater, make any required repairs immediately.

Keep mesh free of debris to provide adequate flow.

Replace stone as needed to facilitate de-watering.

4. Remove sediment when half of stone outlet is covered.

Freshen stone when sediment accumulation exceeds 6 inches.

FRONT VIEW

based on field conditions.

MAINTENANCE:

TEMPORARY SEDIMENT FENCE OUTLET

3' FILTER FABRIC

BURY 6" OF UPPER EDGE OF

**SECTION VIEW** 

C5.3 SECT. 6.62, EROSION AND SEDIMENT CONTROL

FILTER FABRIC IN TRENCH

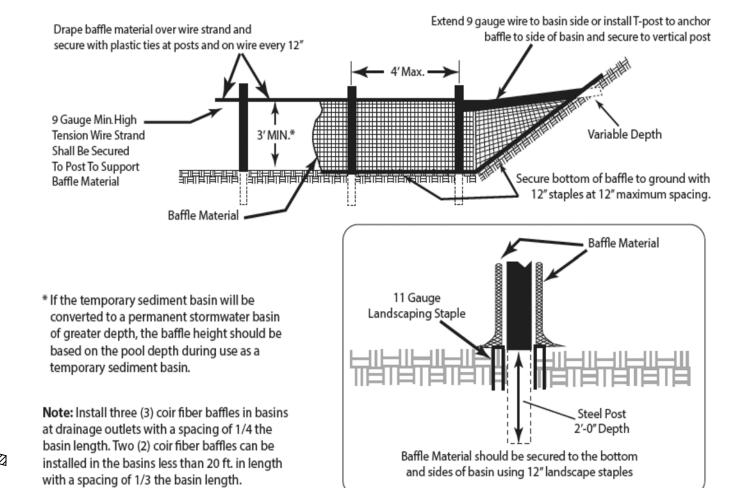
ON GROUND

Inspect temporary diversions once a week and after every rainfall. Immediately remove sediment from the flow area and repair the diversion ridge. Carefully check outlets and make timely repairs as needed. When the area protected is permanently stabilized, remove the ridge and the channel to blend with the natural ground level and appropriately stabilize it.

BURY WIRE FENCE

CLOTH IN TRENCH

FILTER FABRIC.



1. Use matting made of 100% coconut fiber (coir) twine woven into high strength matrix with the properties shown in Table 6.65a.

- 2. Staples should be made of 0.125 inch diameter new steel wire formed into a 'U' shape not less than 12 inches in length with a throat of 1 inch in width. The staples anchor the porous baffles into the sides and bottom of the basin.
- 3. Ensure that steel posts for porous baffles are of a sufficient height to support baffles at desired height. Posts should be approximately 1-3/8" wide measured parallel to the fence, and have a minimum weight of 1.25 lbllinear ft. The posts must be equipped with an anchor plate having a minimum area of 14.0 square inches and be of the self-fastener angle steel type to have a means of retaining wire and coir fiber mat in the desired position without displacement.
- 4. Use 9-gauge high tension wire for support wire. <u>Coir Fiber Baffle Material Property Requirements:</u>
- Tensile Strength ONet) 900 x 680 lb/tt minimum Elongation ONet) 69% x 34% maximum

Flow Velocity 10-12 ft/sec Weiaht 20 oz/SY (680 aim") minimum Minimum Width 6.5 feet Open Area 50% maximum

1. Grade the basin so that the bottom is level front to back and side to side.

MIN. 12" OVFRLAP

BEYOND THROAT OPENING

**VARIES** 

PONDING IS LIKELY IF SEDIMENT IS NOT REMOVED REGULARLY. INSPECTION SHOULD BE ON A REGULAR BASIS AND IMMEDIATELY

GUTTER BUDDY

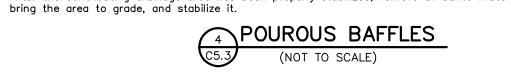
PLACE ON THE GROUND NEAR CURB INLET. OPEN WEIGHT FLAP AND INSERT AGGREGATE OR OTHER WEIGHTING MATERIAL,

PLACE UNIT IN CURB INELT SO WEIGHTED FLAP HANGS DOWN IN CURB INLET HOLDING IT FIRMLY IN PLACE.

INSTALL IN FRONT OF THE CURB INLET OPENING. EACH END SHOULD OVERLAP THE CURB INLET APPROXIMATELY 12 INCHES.

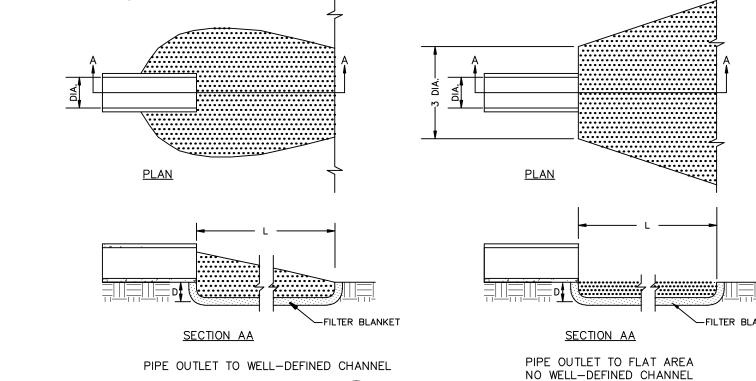
THE GUTTERBUDDY SHOULD BE CLEANED IF A VISUAL INSPECTION SHOWS SILT AND DEBRIS BUILD UP AROUND THE

- 2. Install the coir fiber baffles immediately upon excavation of the basins.
- 3. Install posts across the width of the sediment trap (Practice 6.62, Sediment Fence).
- 4. Steel posts should be driven to a depth of 24 inches and spaced a maximum of 4 feet apart. The top of the fabric should be a minimum of 6 inches higher than the invert of the spillway. Tops of baffles should be a minimum of 2 inches lower than the top of the earthen embankment.
- 5. Install at least three rows of baffles between the inlet and outlet discharge point. Basins less than 20 feet in length may use 2
- 6. Attach a 9 gauge high tension wire strand to the steel posts at a height of 6 inches above the spillway elevation with plastic ties or wire fasteners to prevent sagging. If the temporary sediment basin will be converted to a permanent stormwater basin of a greater depth, the baffle height should be based on the pool depth during use as a temporary sediment basin.
- 7. Extend 9 gauge minimum high tension wire strand to side of basin or install steel T-posts to anchor baffle to side of basin and secure to vertical end posts as shown in Figure 6.65b.
- 8. Drape the coil' fiber mat over the wire strand mounted at a height of 6 inches above the spillway elevation. Secure the coil' fiber mat to the wire strand with plastic ties or wire fasten-is. Anchor the matting to the sides and floor of the basin with 12 inch wire staples. approximately 1 ft apart, along the bottom and side slopes of the basin
- 9. Do not splice the fabric, but use a continuous piece across the basin
- 10. Adjustments may be required in the stapling requirements to tit individual site conditions
- Inspect baffles at least once a week and after each rainfall. Make any required repairs immediately. - Be sure to maintain access to the baffles. Should the fabric of a baffle collapse, tear, decompose, or become ineffective
- Remove sediment deposits when it reaches half full, to provide adequate storage volume for the next rain and to reduce pressure on the baffles.
- Take care to avoid damaging the baffles during cleanout, and replace if damaged during cleanout operations. Sediment depth should never exceed half the designed storage depth. - After the contributing drainage area has been properly stabilized, remove all baffle materials and unstable sediment deposits,



DRAINAGE INLET

OVERFLOW



to wire to pre-

vent saggin

2' to 3.5'

24"into bottom

Coir mesh or similar, stapled or

TEMPORARY SEDIMENT TRAP

1. Clear, grub, and strip the area under the embankment of all vegetation and root mat. Remove all

2. Ensure that fill material for the embankment is free of roots, woody vegetation, organic matter, and

3. Construct the outlet section in the embankment. Protect the connection between the riprap and the

• Place the filter fabric between the riprap and the soil. Extend the fabric across the spillway

other objectionable material. Place the fill in lifts not to exceed 9 inches, and machine compact it.

soil from piping by using filter fabric or a keyway cutoff trench between the riprap structure and soil.

• Excavate a keyway trench along the center line of the spillway foundation extending up the sides to

the height of the dam. The trench should be at least 2 feet deep and 2 feet wide with 1:1 side

4. Clear the pond area below the elevation of the crest of the spillway to facilitate sediment cleanout.

7. Construct the minimum finished stone spillway bottom width, as shown on the plans, with 2:1 side

8. Material used in the stone section should be a well-graded mixture of stone with a d50 size of 9

9. Discharge inlet water into the basin in a manner to prevent erosion. Use temporary slope drains or

10. Ensure that the stone spillway outlet section extends downstream past the toe of the embankment until stable conditions are reached and outlet velocity is acceptable for the receiving stream. Keep the

improve basin trap efficiency (References: Runoff Control Measures and Outlet Protection).

and maximum side slopes of 1:1 that extend to the bottom of the spillway section.

6. Ensure that the stone (drainage) section of the embankment has a minimum bottom width of 3 feet

slopes extending to the top of the over filled embankment. Keep the thickness of the sides of the

spillway outlet structure at a minimum of 21 inches. The weir must be level and constructed to grade

inches (class B erosion control stone is recommended) and a maximum stone size of 14 inches. The

stone may be machine placed and the smaller stones worked into the voids of the larger stones. The

diversions with outlet protection to divert sediment-laden water to the upper end of the pool area to

edges of the stone outlet section flush with the surrounding ground, and shape the center to confine

11. Direct emergency bypass to natural, stable areas. Locate bypass outlets so that flow will not damage

12. Stabilize the embankment and all disturbed areas above the sediment pool and downstream from the

13. Show the distance from the top of the spillway to the sediment cleanout level (1/2) the design

surface soil containing high amounts of organic matter, and stockpile or dispose of it properly. Haul all

Cross-Section 12" min. of NCDOT #5 or #57 washed stone

objectionable material to the designated disposal area.

foundation and sides to the top of the dam; or

5. All cut and fill slopes should be 2:1 or flatter.

to assure design capacity.

the embankment.

Over fill the embankment 6 inches to allow for settlement.

stone should be hard, angular, and highly weather—resistant.

trap immediately after construction (References: Surface Stabilization).

14. Install porous baffles as specified in Practice 6.65, Porous Baffles.

the outflow stream (References: Outlet Protection).

depth) on the plans and mark it in the field.

trenched into bottom or side

Stake to support

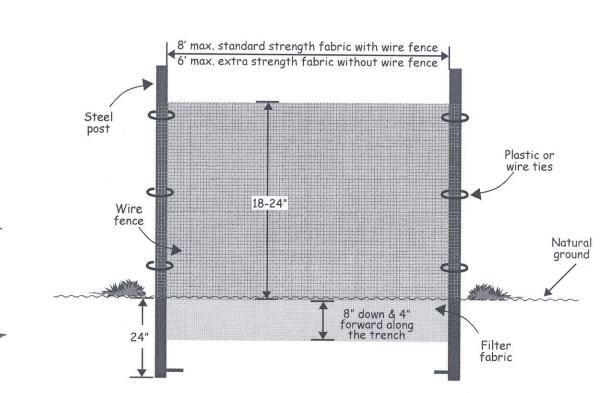
S RIP RAP APRON

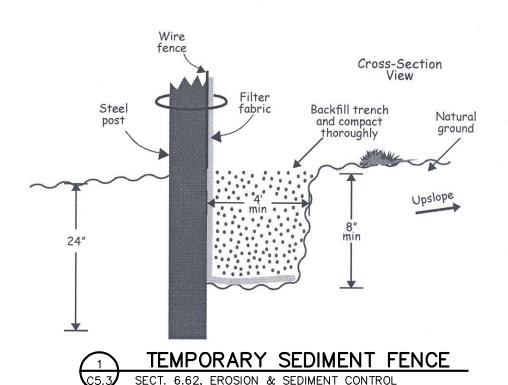
1. Ensure that the subgrade for the filter and riprap follows the required lines and grades shown in the plan. Compact any fill required in the subgrade to the density of the surrounding undisturbed material. Low areas in the subgrade on undisturbed soil may also be filled by

- increasing the riprap thickness. 2. The riprap and gravel filter must conform to the specified grading limits shown on the plans. 3. Filter cloth, when used, must meet design requirements and be properly protected from punching or tearing during installation. Repair any damage by removing the riprap and placing another piece of filter cloth over the damaged area. All connecting joints should overlap so the top layer is above the downstream layer a minimum of 1 foot. If the damage is extensive, replacethe entire filter cloth.
- 4. Riprap may be placed by equipment, but take care to avoid damaging the filter. 5. The minimum thickness of the riprap should be 1.5 times the maximum stone diameter.
- 6. Riprap may be field stone or rough quarry stone. It should be hard, angular, highly weather-resistant and well graded. 7. Construct the apron on zero grade with no overfill at the end. Make the top of the riprap at
- the downstream end level with the receiving area or slightly below it. 8. Ensure that the apron is properly aligned with the receiving stream and preferably straight
- throughout its length. If a curve is needed to fit site conditions, place it in the upper section of the apron.
- 9. Immediately after construction, stabilize all disturbed areas with vegetation (Practices 6.10, Temporary Seeding, and 6.11, Permanent Seeding).

Inspect riprap outlet structures weekly and after significant (1/2 inch or greater)rainfall events to see if any erosion around or below the riprap has taken place, or if stones have been dislodged. Immediately make all needed repairs to

prevent further damage





(NOT TO SCALE) 1. Use a synthetic filter fabric of at least 95% by weight of polyolefins or polyester, which is certified by the manufacturer or supplier as conforming to the requirements in ASTM D 6461, which is shown in part in Table 6.62b. Synthetic filter fabric should contain ultraviolet ray inhibitors and stabilizers to provide a minimum of 6 months of expected usable construction life at a

PLANNING & DESIGN MANUAL

2. Ensure that posts for sediment fences are 1.33 lb/linear ft steel with a minimum length of 5 feet. Make sure that steel posts have projections to facilitate fastening the fabric. 3. For reinforcement of standard strength filter fabric, use wire fence with a minimum 14 gauge and a maximum mesh spacing of 6 inches.

1. Construct the sediment barrier of standard strenath or extra strenath synthetic filter fabrics. 2. Ensure that the height of the sediment fence does not exceed 24 inches above the ground surface. (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

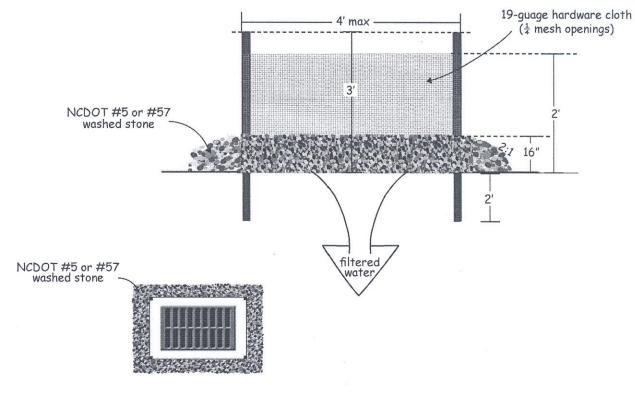
5. When a wire mesh support fence is used, space posts a maximum of 8 feet apart. Support posts should be driven securely into the ground a minimum of 24 inches 6. Extra strength filter fabric with 6 feet post spacing does not require wire mesh support fence.

Securely fasten the filter fabric directly to posts. Wire or plastic zip ties should have minimum 50 pound tensile strength. 7. Excavate a trench approximately 4 inches wide and 8 inches deep along the proposed line of

- posts and upslope from the barrier (Figure 6.62a).
- 8. Place 12 inches of the 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

have minimum 50 pound tensile strength.

temperature range of 0 to 120° F.



1. Uniformly grade a shallow depression approaching the inlet.

2. Drive 5-foot steel posts 2 feet into the ground surrounding the inlet. Space posts evenly around the perimeter of the inlet, a maximum of 4 feet apart.

3. Surround the posts with wire mesh hardware cloth. Secure the wire mesh to the steel posts at the top, middle, and bottom. Placing a 2-foot flap of the wire mesh under the gravel for anchoring is recommended. 4. Place clean gravel (NC DOT #5 or #57 stone) on a 2:1 slope with a height of 16 inches around the wire, and smooth

5. Once the contributing drainage area has been stabilized, remove accumulated sediment, and establish final grading TEMPORARY FABRIC DROP INLET PROTECTION

SECT. 6.51, EROSION & SEDIMENT CONTROL PLANNING & DESIGN MANUAL (NOT TO SCALE)

FIELD MANUAL (NOT TO SCALE) DATE REVISION

TOP OF SILT FENCE MUST BE AT LEAST ABOVE THE TOP OF

THE WASHED STONE

STEEL FENCE POST

HARDWARE CLOTH

FILTER OF #57

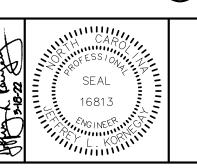
BURY WIRE FENCE AND HARDWARE CLOTH <

WASHED STONE

WIRE FENCE

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300 East Walnut Street Goldsboro, N.C. 27530 www.kornegaysep.com (919) 735-5886 Fax: (919) 580-9053



CENTER UNIT SO 1 FOOT EXTENDS BEYOND EACH END OF CURB INLET.

GUTTERBUDDY COMPOSED OF 100% RECYCLED SYNTHETIC

CARPET FIBERS

GUTTERBUDDY.

TO REMOVE, LIFT OUT OF THE OPENING.

AFTER MAJOR RAIN EVENTS.

**EROSION CONTROL DETAILS** 

DRAWN BY:
JLK
DESIGNED BY:
JLK
DATE:
3-18-2022
SCALE:
NTS

# IVEY DRIVE

WAYNE COUNTY DEVELOPMENT ALLIANCE GOLDSBORO, WAYNE COUNTY, N.C.

WORK ORDER: 2102471 CADD DWG:

210471 HARRY & MOLLIE, LLC

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

GROUND STABILIZATION AND MATERIALS HANDLING PRACTICES FOR COMPLIANCE WITH

plementing 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

THE NCG01 CONSTRUCTION GENERAL PERMIT

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

ľ	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

retaining walls

Structural methods such as concrete, asphalt or

• Rolled 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
- 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. I. Identify leaks and repair as soon as feasible, or remove leaking equipment from the 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 CONCRETE NOTING DEVICE (18"X24" MIN.) SECTION A—A

TES:
ACTUAL LOCATION DETERMINED IN FIELD has been corrected. 2. THE CONCRETE WASHOUT STRUCTURES SHALL BE MAINTAINED WHEN THE LIQUID AND/OR SOLID REACHES 75% OF THE STRUCTURES CAPACITY. Bring used fuels, lubricants, coolants, hydraulic fluids and other petroleum products 3.CONCRETE WASHOUT STRUCTURE NEEDS TO B to a recycling or disposal center that handles these materials. BELOW GRADE WASHOUT STRUCTURE

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 waster 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. 3. On business days, clean up and dispose of waste in designated waste containers.

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. 5. Prevent the discharge of soaps, solvents, detergents and other liquid wastes from construction sites.

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

Provide staking or anchoring of portable tollets during periods of high winds or in high foot traffic areas. Monitor portable toilets for leaking and properly dispose of any leaked material.

offset is not attainable, provide relocation of portable toilet behind slit fence or place

Utilize a licensed sanitary waste hauler to remove leaking portable toilets and replace

with properly operating unit.

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

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

on a gravel pad and surround with sand bags.

with the approved plan and any additional requirements. Soil stabilization is defined as vegetative, physical or chemical coverage techniques that will restrain accelerate erosion on disturbed soils for temporary or permanent control needs.

SECTION A: SELF-INSPECTION

1) Rain gauge

maintained in

Measures

(3) Stormwater

5) Streams or

accessible)

(6) Ground

stabilization

measures

discharge

were delayed shall be noted in the inspection Record.

Inspection records must include:

approved by the Division.

properly.

Identification of the measures inspected.

3. Name of the person performing the inspection,

4. Indication of whether the measures were operating

5. Description of maintenance needs for the measure,

L. Identification of the discharge outfalls inspected

4. Evidence of indicators of stormwater pollution such as oil

6. Description, evidence, and date of corrective actions taken.

If visible sedimentation is found outside site limits, then a record

1. Actions taken to clean up or stabilize the sediment that has left

If the stream or wetland has increased visible sedimentation or a

1. Description, evidence and date of corrective actions taken, and

Regional Office per Part III. Section C. Item (2)(a) of this permit.

sheen, floating or suspended solids or discoloration,

3. An explanation as to the actions taken to control future

stream has visible increased turbidity from the construction

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

Documentation that the required ground stabilization

timeframe or an assurance that they will be provided as

measures have been provided within the required

activity, then a record of the following shall be made:

3. Name of the person performing the inspection,

5. Indication of visible sediment leaving the site.

event  $\geq$  1.0 inch in | 2. Description, evidence, and date of corrective actions taken, and

event > 1.0 inch in 2. Records of the required reports to the appropriate Division.

Date and time of the inspection,

2. Date and time of the inspection.

of the following shall be made:

the site limits,

ground cover).

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

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

Description, evidence, and date of corrective actions taken.

Daily rainfall amount:

(during normal

business hours)

At least once per

7 calendar days

hours of a rain

event > 1.0 inch in

and within 24

7 calendar days

hours of a rain

and within 24

hours of a rain

At least once per

After each phase

of grading

wetlands onsite | 7 calendar days

event  $\geq 1.0$  inch in

and within 24

24 hours

24 hours

CONCRETE CLEARLY MARKED SIGNAGE NOTING DEVICE (18"X24" MIN.) 3.CONCRETE WASHOUT STRUCTURE NEEDS TO BE CLEARY MARKED WITH SIGNAGE NOTING DEVICE. ABOVE GRADE WASHOUT STRUCTURE

**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 Install temporary concrete washouts per local requirements, where applicable. If an alternate method or product is to be used, contact your approval authority for

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

review and approval. If local standard details are not available, use one of the two

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

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 or 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 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

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

**SECTION B: RECORDKEEPING** 

Self-inspections are required during normal business hours in accordance with the table L. E&SC Plan Documentatio 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 inspection:

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.

(a) Each E&SC measure has been installed Initial and date each E&SC measure on a copy

and does not significantly deviate from the \_\_\_\_ of the approved E&SC plan or complete, date

**Documentation Requirements** 

locations, dimensions and relative elevations | and sign an inspection report that lists each E&SC measure shown on the approved E&SC shown on the approved E&SC plan. plan. This documentation is required upon the initial installation of the E&SC measures or if the E&SC measures are modified after initial (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 (c) Ground cover is located and installed Initial and date a copy of the approved E&SC in accordance with 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 Complete, date and sign an inspection report requirements for all E&SC measures have been performed. (e) Corrective actions have been taken Initial and date a copy of the approved E&SC to E&SC measures. plan or complete, date and sign an inspection report to indicate the completion of the

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

this requirement not practical:

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

Division provides a site-specific exemption based on unique site conditions that make

(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.

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]

Timeframe variations

If slopes are 10' or less in length and are

in length and with slopes steeper than 4:1

not steeper 2:1, 14 days are allowed.

-7 days for slopes greater than 50'

-7 days for perimeter dikes, swales,

ditches, perimeter slopes and HQW

-10 days for Falls Lake Watershed.

-7 days for perimeter dikes, swale,

there is zero slope

ditches, perimeter slopes and HQW Zones

-10 days for Falls Lake Watershed unless

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.

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

. 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)

Reporting Timeframes (After Discovery) and Other Requirements Within 24 hours, an oral or electronic notification. deposition in a • Within 7 calendar days, a report that contains a description of the stream or wetland sediment and actions taken to address the cause of the deposition. Division staff may waive the requirement for a written report on a If the stream is named on the NC 303(d) list as impaired for sedimentrelated 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 Within 24 hours, an oral or electronic notification. The notification release of shall include information about the date, time, nature, volume and hazardous location of the spill or release. substances per Iten 1(b)-(c) above A report at least ten days before the date of the bypass, if possible. (c) Anticipated bypasses [40 CFR The report shall include an evaluation of the anticipated quality and 122.41(m)(3)] effect of the hynass

Within 24 hours, an oral or electronic notification

bypasses [40 CFR Within 7 calendar days, a report that includes an evaluation of the 122.41(m)(3)] quality and effect of the bypass. (e) Noncompliance Within 24 hours, an oral or electronic notification. with the conditions

Within 7 calendar days, a report that contains a description of the of this permit that 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(I)(6). Division staff may waive the requirement for a written report on a

## NCG01 GROUND STABILIZATION AND MATERIALS HANDLING

**EFFECTIVE: 04/01/19** 

NCG01 SELF-INSPECTION, RECORDKEEPING AND REPORTING

GROUND STABILIZATION

Required Ground Stabilization Timeframes

Stabilization within th

many calendar

days after ceasing

land disturbance

7 days

7 days

7 days

14 days

14 days

| EFFECTIVE: 04/01/19

No earthen material is to be brought on or

removed from the site, until the off-site

## TEMPORARY SEEDING SCHEDULE

Seeding mixture Rate (lb/acre) Rye (grain) Annual lespedeza (Kobe in Piedmont and Coastal Plain, Korean in Mountains) Omit annual lespedeza when duration of temporary cover is not to extend beyond June. Seeding dates Coastal Plain: Dec. 1 — Apr. 15

agricultural limestone and 750 lb/acre 10-10-10 fertilizer. Apply 4,000 lb/acre straw. Anchor straw by tacking with asphalt,

netting, or a mulch anchoring tool. A disk with blades set nearly

Follow recommendations of soil tests or apply 2,000 lb/acre ground

Refertilize if growth is not fully adequate. Reseed, refertilize and mulch immediately following erosion or other damage.

straight can be used as a mulch anchoring tool.

Soil amendments

## TEMPORARY SEEDING SCHEDULE

Seeding mixture Rate (lb/acre) German millet Seeding dates Coastal Plain: Apr. 15 - Aug. 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.

straight can be used as a mulch anchoring tool. Refertilize if growth is not fully adequate. Reseed, refertilize and mulch immediately following erosion or other damage.

Apply 4,000 lb/acre straw. Anchor straw by tacking with asphalt,

netting, or a mulch anchoring tool. A disk with blades set nearly

## TEMPORARY SEEDING SCHEDULE

Seeding mixture Rate (lb/acre) Rye (grain) Seeding dates Coastal Plain and Piedmont: Aug. 15 — Dec. 30 Follow soil tests or apply 2,000 lb/acre ground agricultural limestone and 1,000 lb/acre 10-10-10 fertilizer 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.

Repair and refertilize damaged areas immediately. Topdress with 50 lb/acre of nitrogen in March. If it is necessary to extend temporary cover beyond June 15, overseed with 50 lb/acre Kobe (Piedmont and Coastal Plain).

REVISION

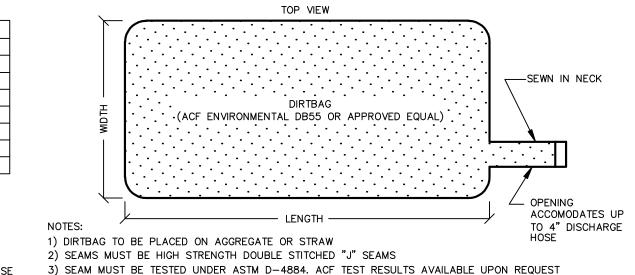
DB55 FABRIC PROPERTIES TEST METHOD TENSILE STRENGTH ASTM D-4632 205 LBS ELONGATION ASTM D-4632 50% ASTM D-6241 525 LBS ASTM D-4355 70% UV RESISTANCE ASTM D-4751 80 US SIEVE PERMITTIVITY ASTM D-4491 1.4 SEC-1 FLOW RATE ASTM D-4491 90 GPM/SF

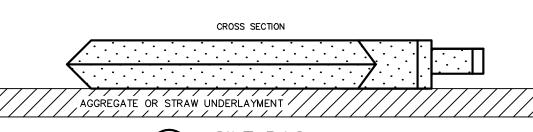
POROUS SURFACES. 5. SILT BAG IS FULL WHEN IT CAN NO LONGER EFFICIENTLY PASS WATER AT A REASONABLE RATE.

6. REMOVE SILT BAG AFTER THE SKIMMER BASIN HAS

COMPLETELY DEWATERED.

1. THE SKIMMER BASIN SHALL BE DEWATARED USING AN APPROVED SILT BAG BEFORE REMOVAL OF THE SKIMMER 2. AN APPROPRIATE SIZED SILT BAG SHALL BE USED TO COMPLETELY DEWATER THE SKIMMER BASIN. 3. THE SILT BAG MUST BE MONITORED AT ALL TIMES DURING USE TO PREVENT OVER-FILLING AND RUPTURE. 4. PLACE SILT BAG ON AGGREGATE, STRAW BALES, OR OTHER





## Rate (lb/acre) Pensacola Bahiagrass Sericea lespedeza Kobe lespedeza Complete grading before preparing seedbeds, and install all necessary Seeding notes

3. Where a neat appearance is desired, omit sericea and increase Kobe to SEEDBED PREPARATION Nurse plants

Possible

Sudangrass. Prior to May 1 or after Aug. 15, add 25 lb/acre rye (grain). Seeding dates

Between Apr. 15 and Aug. 15, add 10 lb/acre German millet or 15 lb/acre

PERMANENT SEEDING SCHEDULE

. From Sept. 1 — Mar. 1, use unscarified sericea seed.

soils) and 1,000 lb/acre 10-10-10 fertilizer.

Seeding mixture

Tall fescue

Feb. 15 — Mar. 20 Sept. 1 — Sept. 30 Feb. 15 - Apr. 30 Early spring: Sept. 1 - Oct. 31 Soil Amendments Apply lime and fertilizer according to soil tests, or apply 3,000-5,000 Ib/acre ground agricultural limestone (use the lower rate on sandy

Apply 4,000 lb/acre grain straw or equivalent cover of another suitable mulch. Anchor straw by tacking with asphalt, netting, or roving or by crimping with a mulch anchoring tool. A disk with blades set nearly straight can be used as a mulch anchoring too.

If growth is less than fully adequate, refertilize in the second year, according to soil tests or topdress with 500 lb/acre 10-10-10 fertilizer. Mow as needed when sericea is omitted from the mixture.

Reseed, fertilize, and mulch damaged areas immediately.

erosion control practices such as, dikes, waterways, and basins. Minimize steep slopes because they make seedbed preparation difficult and increase the erosion hazard. If soils become compacted during grading, loosen them 2. On poorly drained sites omit sericea and increase Kobe to 30 lb/acre. to a depth of 6-8 inches using a ripper, harrow, or chisel plow.

> Good seedbed preparation is essential to successful plant establishment. A good seedbed is well-pulverized, loose, and uniform. Where hydroseeding methods are used, the surface may be left with a more irregular surface of

> <u>Liming</u> Apply lime according to soil test recommendations. If the pH (acidity) of the soil is not known, an application of ground agricultural limestone at the rate of 1 to 1-1/2 tons/acre on coarse-textured soils and 2-3 tons/acre on fine—textured soils is usually sufficient. Apply limestone uniformly and incorporate into the top 4-6 inches of soil. Soils with a pH of 6 or higher

> Base application rates on soil tests. When these are not possible, apply a 10-10-10 grade fertilizer at 700-1,000 lb/acre. Both fertilizer and lime should be incorporated into the top 4-6 inches of soil. If a hydraulic seeder is used, do not mix seed and fertilizer more than 30 minutes before application.

Surface roughening f recent tillage operations have resulted in a loose surface, additional

large clods and stones.

need not be limed.

roughening may not be required, except to break up large clods. 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 (Practice 6.03, Surface Roughening).

## Areas with slopes flatter than 4:1

1. Buffer zone, sufficient to restrain visible sedimentation within the 25% of the width closest to the land disturbance, must be provided and maintained between the land—disturbing activity and any adjacent property or watercourse;

Site Area Description

Perimeter dikes, swale

Slopes steeper than 3:

ditches and slopes

High Quality Water

Slopes 3:1 to 4:1

(HQW) Zones

2. New or affected cut or filled slopes must be at an angle that can be retained by vegetative cover, AND must be provided with a ground cover sufficient to restrain erosion within 21 calendar days of completion of any phase (rough or final) of grading (RYE GRASS IS NOT in the APPROVED seeding specifications NOR is it an ACCEPTABLE substitute for the providing of a temporary ground cover).

3. The CERTIFICATE OF PLAN APPROVAL must be posted at the primary entrance to the job site and remain until the site is

4. Unless a temporary, manufactured, lining material has been specified, a clean straw mulch must be applied, at the minimum rate of 2 tons/acre, to all seeded areas. The mulch must cover at least 75% of the seeded area after it is either tacked, with an acceptable tacking material, or crimped in place;

5. A permanent ground cover, sufficient restrain erosion, must be provided within the shorter of 15 working or 90 calendar days (if in a High Quality Zone, the shorter of 15 working or 60 calendar days) after completion of construction or development on any portion of the tract (RYE GRASS IS NOT in the APPROVED seeding specifications NOR is it an ACCEPTABLE substitute for the providing of a nurse cover for the permanent grass cover).

borrow and/or disposal sites are identified as part of the erosion control plan. If an off—site borrow and/or disposal site is to be utilized, prior to the start of construction, submit the name and identification number (E&SP # or Mine Permit #).

## **CONSTRUCTION SEQUENCE**

OBTAIN GRADING PERMIT.

may endanger

environment[40]

CFR 122.41(I)(7)]

health or the

CONTACT THE DEMLR WASHINGTON REGIONAL OFFICE AT LEAST 48 HOURS PRIOR TO COMMENCING LAND DISTURBING

CONSTRUCT GRAVEL CONSTRUCTION ENTRANCE AND SEDIMENT FENCES.

. CONSTRUCT TEMPORARY SEDIMENT TRAP AS SHOWN ON PLANS.

. GRADE BUILDING PAD AND CONSTRUCT GRAVEL DRIVE AND LAYDOWN AREA..

AN APPROVED SILT BAG SHALL BE USED TO DEWATER THE SKIMMER SEDIMENT TRAP BEFORE REMOVAL OF THE SKIMMER SEDIMENT TRAP. SKIMMER BAG SHALL BE PUMPED FROM THE SURFACE AND THE FINAL CELL OF THE SKIMMER BASIN.

REMOVE SEDIMENT TRAP AFTER ALL CONSTRUCTION IS COMPLETED AND THE SITE IS STABILIZED. ALL SEDIMENT SHALL BE REMOVED FROM TEMPORARY SEDIMENT TRAP.

PROVIDE A GROUNDCOVER (TEMPORARY OR PERMANENT) ON EXPOSED SLOPES WITHIN THE REQUIRED TIME AS LISTED IN THE "GROUND STABILIZATION" TABLE.

REMOVE ALL TEMPORARY EROSION CONTROL DEVICES AFTER ALL DISTURBED AREAS ARE STABILIZED.

. EROSION AND SEDIMENT CONTROL (E&SC) PERMIT AND A CERTIFICATE OF COVERAGE (COC) MUST BE OBTAINED BEFORE AND LAND DISTURBING ACTIVITIES OCCUR. THE COC CAN BE OBTAINED BY FILLING OUT THE ELECTRONIC NOTICE OF INTENT (E-NOI) FORM AT DEQ.NC.GOV/NCGO1. PLEASE NOTE, THE E-NOI FORM MAY ONLY BE FILLED OUT ONCE THE PLANS HAVE BEEN APPROVED. A COPY OF THE E&SC PERMIT, THE COC, AND A HARD COPY OF THE PLAN MUST BE KEPT ON SITE, PREFERABLY IN A PERMITS BOX, AND ACCESSIBLE DURING INSPECTION.

INFORMS THE PERMITTEE OF THE PROJECT CLOSE OUT, VIA INSPECTION REPORT, THE PERMITTEE SHALL VISIT DEQ.NC.GOV/NCGO1 TO SUBMIT AN ELECTRONIC NOTICE OF TERMINATION (E-NOT). A \$100 ANNUAL GENERAL PERMIT FEE WILL BE CHARGED UNTIL THE E-NOT HAS BEEN FILLED OUT.

WHEN THE PROJECT IS COMPLETE, THE PERMITTEE SHALL CONTACT DEMLR TO CLOSE OUT THE E&SC PLAN. AFTER DEMLR

PER NPDES REQUIREMENTS, A RAIN GAUGE, SELF-INSPECTIONS RECORDS, PERMIT, AND S&E PLAN ARE REQUIRED TO BE MAINTAINED ON SITE AND ACCESSIBLE DURING INSPECTION. IT IS RECOMMENDED THAT THESE ITEMS BE PLACED IN A PERMITS BOX AT THE BEGINNING OR ENTRANCE OF PROJECT. (NCGO1 PART III SECTIONS A AND B, 15A NCAC 04B .0131)

3. THE CONTRACTOR SHALL CONDUCT SELF—INSPECTIONS OF THE EROSION AND SEDIMENTATION CONTROL MEASURES AND COMPETE THE FOLLOWING COMBINED SELF-INSPECTION FORM FOUND ON THE DEMLR WEBSITE HTTPS: //FILES.NC.GOV/NCDEQ/ENERGY%20MINERAL%20AND%20LAND%20RESOURCES/STORM <u>WATER/NPDES%20GENERAL%20PERMITS/DEMLR-CSW-MONITORING-FORM-REV-AUGUST-8-2019.PDF</u> . TWELVE MONTHS OF COMPLETE INSPECTION FORMS SHALL BE KEPT ON—SITE AND AVAILABLE FOR INSPECTION AT ALL TIMES. IT IS

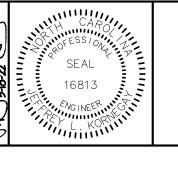
RECOMMENDED A COPY BE KEPT IN A PERMITS BOX. (GS 113A-54.1 (E), 15A NCAC 04B.0131, NCG01 PART III SECTIONS A 4. SELF—INSPECTIONS FOR EROSION AND SEDIMENTATION CONTROL MEASURES ARE TO BE PERFORMED AT LEAST ONCE EVERY SEVEN CALENDAR DAYS AND WITHIN 24 HOURS OF EVERY RAIN EVENT OF GREATER THAN 1 INCH. ANY NEEDED REPAIRS

SHALL BE MADE IMMEDIATELY TO MAINTAIN MEASURES AS DESIGNED. ALL ESC MEASURES SHALL BE MAINTAINED AS SPECIFIED IN THE CONSTRUCTION DETAILS ON THIS PLAN. A RAIN GAUGE SHALL BE INSTALLED AT THE PROJECT SITE FOR

# DATE

B. R. KORNEGAY, INC. LAND SURVEYING . ENGINEERING . PLANNING License Number: F-1054

300 East Walnut Street Goldsboro, N.C. 27530 www.kornegaysep.com (919) 735-5886 Fax: (919) 580-9053



**EROSION CONTROL DETAILS** 

JLK DESIGNED BY: JLK 3-18-2022 SCALE:

IVEY DRIVE

WAYNE COUNTY DEVELOPMENT ALLIANCE GOLDSBORO, WAYNE COUNTY, N.C.

WORK ORDER: 210471 CADD DWG: 210471

HARRY & MOLLIE, LLC