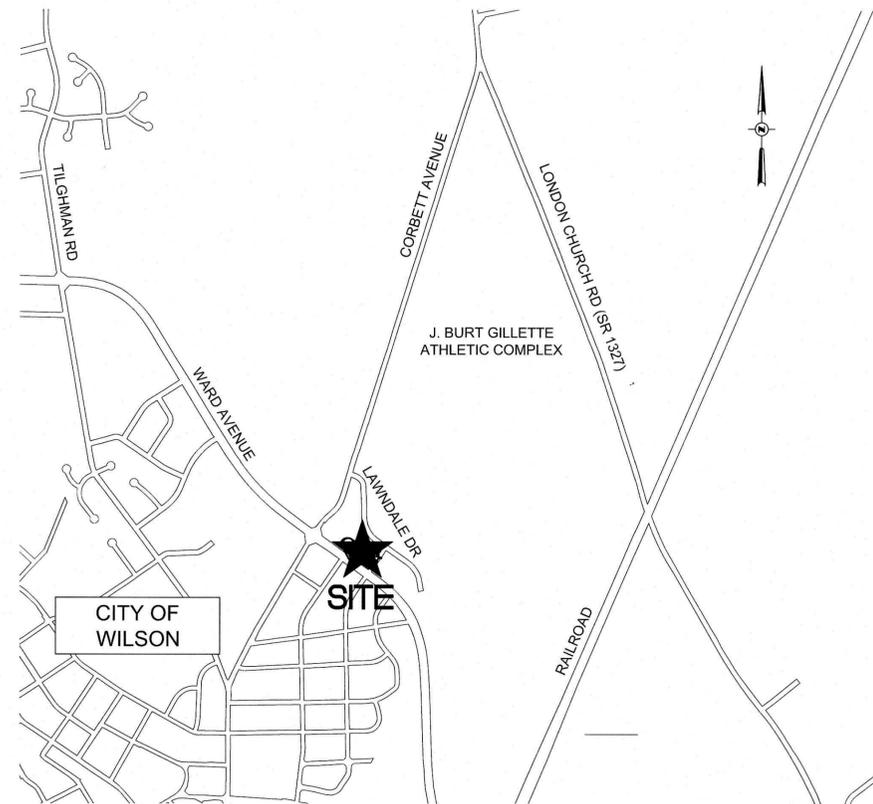


# CITY OF WILSON 3739 WARD BLVD. DEMOLITION SEDIMENTATION AND EROSION CONTROL PLAN WILSON, NC

## CITY OF WILSON

MAYOR: CARLTON L. STEVENS  
 COUNCIL MEMBERS: GILLETTIA MORGAN  
 MICHAEL S. BELL  
 WILLIAM THOMAS FYLE  
 JAMES M. JOHNSON, III  
 DONALD I. EVANS  
 LOGAN T. LILES  
 DERRICK D. CREECH  
 CITY MANAGER: GRANT GOINGS  
 DIRECTOR OF PUBLIC SERVICES:  
 WILLIAM T. BASS, IV

CONSTRUCTION STANDARDS:  
 COMMUNITY IMPROVEMENT SPECIAL PROJECTS  
 COORDINATOR: JONATHAN ROGERS



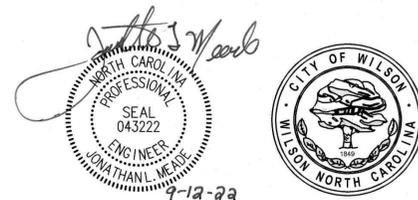
LOCATION MAP  
SCALE 1" = 1000'

### SITE TABLE

LOT AREA:	1.15 ACRES
TOTAL IMPERVIOUS AREA AFTER DEMOLITION:	0 SF (16.21 AC) 0 % IMP.
BUILDING HEIGHT:	<35 FT.
PROPERTY ADDRESS:	3739 WARD BLVD
EXISTING LAND USAGE:	ABANDONED APARTMENTS
OWNER/DEVELOPER:	CITY OF WILSON P.O. BOX 10 WILSON, NC 27893
ZONE:	RMX
PARCEL ID No.:	3722-48-5198
REFERENCE:	DB 2871 PG 1

### SHEET INDEX

- SHEET INDEX:
- 1 - COVER
  - 2 - EXISTING CONDITIONS AND DEMOLITION PLAN
  - 3 - EROSION CONTROL PLAN
  - 4 - PROPOSED DRAINAGE AREA MAP
  - 5 - DETAILS
  - 6 - DETAILS
  - 7 - DETAILS

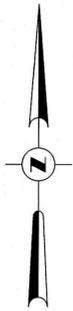


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REVISION: NCDEQ LAND QUALITY COMMENTS 8-31-22  
 NCDEQ LAND QUALITY COMMENTS 9-12-22

GREEN ENGINEERING  
 50-030



CORBETT AVE.  
PUBLIC R/W

N/F  
CITY OF WILSON  
DB 1786 PG 789  
PB 14 PG 2  
PIN# 3722-48-5493

N/F  
CITY OF WILSON  
DB 1786 PG 787  
PB 14 PG 2  
PIN# 3722-48-6337

N/F  
CITY OF WILSON  
DB 1786 PG 785  
PB 14 PG 2  
PIN# 3722-48-6391

ALL IMPERVIOUS AREA  
AND UTILITIES TO BE  
REMOVED AND SITE  
RETURNED TO  
NATURAL AREA

N/F  
CITY OF WILSON  
DB 2693 PG 819  
PB 39 PG 143  
PIN# 3722-48-3540

N/F  
CITY OF WILSON  
DB 1786 PG 783  
PB 14 PG 2  
PIN# 3722-48-7266

N/F  
CITY OF WILSON  
DB 1786 PG 781  
PB 14 PG 2  
PIN# 3722-48-8231

WARD BLVD.  
PUBLIC R/W

FAIRFAX AVE.  
PUBLIC R/W

LAWDALE DRIVE  
PUBLIC R/W

N/F  
CITY OF WILSON  
DB 2871 PG 1  
PIN# 3722-48-5198

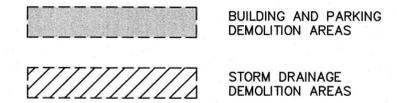
REMOVE CATCH BASIN  
AND PIPE TO EXISTING DI

- EXISTING CONDITIONS:**
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR REVIEWING ALL EXISTING JOB CONDITIONS. ANY ADVERSE CONDITIONS AFFECTING WORK SHOWN ON THESE DRAWINGS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT OR ENGINEER FOR POSSIBLE CLARIFICATION OR RECONCILIATION.
- CONSTRUCTION SAFETY:**
- THESE DRAWINGS DO NOT CONTAIN THE REQUIREMENTS FOR JOB SAFETY. ALL PROVISIONS FOR SAFETY SHALL BE SOLE RESPONSIBILITY OF THE CONTRACTOR.
- GENERAL NOTES:**
- WORK WITHIN THE NCDOT RIGHT-OF-WAY SHALL CONFORM TO NCDOT STANDARDS AND SPECIFICATIONS. CALL ONE CALL CENTER AT 1-800-632-4949 FOR LOCATIONS OF EXISTING UTILITIES PRIOR TO EXCAVATION.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL WORK ZONE TRAFFIC CONTROL IN OR ADJACENT TO NCDOT OR CITY RIGHT-OF-WAY. ALL METHODS SHALL CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) AND NCDOT STANDARDS.
- DEMOLITION NOTES:**
- CONTRACTOR TO COORDINATE WITH APPROPRIATE AUTHORITY FOR RELOCATION AND/OR REMOVAL OF UTILITIES LOCATED WITHIN THE PROJECT AREA.
  - UNUSABLE EXCAVATED MATERIALS AND ALL WASTE RESULTING FROM DEMOLITION SHALL BE DISPOSED OF AT AN APPROVED PERMITTED OFF-SITE LOCATION BY CONTRACTOR.
  - CONTRACTOR SHALL NOTIFY AND COOPERATE WITH ALL UTILITY COMPANIES OR FIRMS HAVING FACILITIES ON OR ADJACENT TO THE SITE BEFORE DISTURBING, ALTERING, REMOVING, RELOCATING, ADJUSTING OR CONNECTING TO SAID FACILITIES. CONTRACTOR SHALL RAISE OR LOWER TOPS OF EXISTING MANHOLES AS REQUIRED TO MATCH FINISHED GRADES.
  - COORDINATE WITH THE LOCAL UTILITY PROVIDER FOR REMOVAL/RELOCATION OF EXISTING ELECTRICAL TRANSFORMERS, LIGHT POLES, AND TELECOMMUNICATIONS.
  - SIDEWALK AND CURB & GUTTER TO BE REMOVED TO NEAREST JOINT OR SAW-CUT IN A MANNER SUCH THAT NO JOINT IS LESS THAN 5 FEET.
  - ANY EXISTING CURB & GUTTER OR ASPHALT DAMAGED DURING CONSTRUCTION WILL BE REPLACED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.

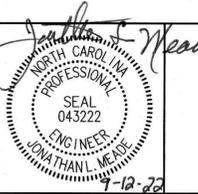
UTILITIES SHOWN ON PLANS ARE LOCATED APPROXIMATELY. CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION OF ALL EXISTING UTILITIES AND SERVICES WHETHER SHOWN ON PLANS OR NOT.

CONTRACTOR TO BE RESPONSIBLE FOR REMOVAL AND REPLACEMENT OF THESE FACILITIES IF DAMAGED.

- SITE NOTES:**
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL WORK ZONE TRAFFIC CONTROL IN OR ADJACENT TO NCDOT OR TOWN RIGHT-OF-WAY. ALL METHODS SHALL CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) AND NCDOT STANDARDS.
- CONTRACTOR TO COORDINATE INSTALLATION OF CONDUITS FOR PHONES & LIGHTING.
- UNUSABLE EXCAVATED MATERIALS AND ALL WASTE RESULTING FROM CLEARING AND GRUBBING SHALL BE DISPOSED OF AT AN APPROVED PERMITTED OFF-SITE LOCATION BY CONTRACTOR.
- CONTRACTOR RESPONSIBLE FOR COMPLYING WITH ALL REQUIREMENTS/ CONDITIONS OF ALL ENCROACHMENTS & PERMITS INCLUDING PROVIDING BONDS/INSURANCE IF REQUIRED.
- CONTRACTOR IS RESPONSIBLE FOR COORDINATING REQUIRED INSPECTIONS.
- CALL ONE CALL CENTER AT 1-800-632-4949 FOR LOCATIONS OF EXISTING UTILITIES 48 HOURS MINIMUM PRIOR TO EXCAVATION.
- EXCAVATION AND GRADING PLAN NOTES:**
- ALL AREAS NOT COVERED BY BUILDING OR PAVING TO BE GRASSED, LANDSCAPED OR LEFT NATURAL AS INDICATED.
- CONTRACTOR SHALL NOTIFY AND COOPERATE WITH ALL UTILITY COMPANIES OR FIRMS HAVING FACILITIES ON OR ADJACENT TO THE SITE BEFORE DISTURBING, ALTERING, REMOVING, RELOCATING, ADJUSTING OR CONNECTING TO SAID FACILITIES. CONTRACTOR SHALL RAISE OR LOWER TOPS OF EXISTING MANHOLES AS REQUIRED TO MATCH FINISHED GRADES.
- BEFORE ANY MACHINE WORK IS DONE, CONTRACTOR SHALL STAKE OUT AND MARK ITEMS ESTABLISHED BY THE SITE PLAN. CONTROL POINTS SHALL BE PRESERVED AT ALL TIMES DURING THE COURSE OF THE PROJECT. LACK OF THE PROPER WORKING POINTS AND GRADE STAKES MAY REQUIRE CESSATION OF OPERATIONS UNTIL SUCH POINTS AND GRADES HAVE BEEN REPLACED TO THE OWNER'S SATISFACTION.
- EXISTING CONDITIONS:**
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR REVIEWING ALL EXISTING JOB CONDITIONS. ANY ADVERSE CONDITIONS AFFECTING WORK SHOWN ON THESE DRAWINGS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER FOR POSSIBLE CLARIFICATION OR RECONCILIATION.
- CONSTRUCTION SAFETY:**
- THESE DRAWINGS DO NOT CONTAIN THE REQUIREMENTS FOR JOB SAFETY. ALL PROVISIONS FOR SAFETY SHALL BE SOLE RESPONSIBILITY OF THE CONTRACTOR.
- STRUCTURAL FILL:**
- ALL NEWLY PLACED STRUCTURAL FILL OR BACK FILL SHOULD BE COMPACTED TO NOT LESS THAN 95% OF THE STANDARD PROCTOR MAXIMUM DRY DENSITY EXCEPT IN THE FINAL FOOT BENEATH PAVEMENT STRUCTURES WHERE THE REQUIREMENT SHOULD BE INCREASED TO 98% OF THE PROCTOR MAXIMUM DRY DENSITY. IT IS NOT ANTICIPATED THAT EITHER DIFFICULT EXCAVATION OR GROUND WATER WILL BE ENCOUNTERED FOR CUT DEPTHS UP TO 15 FEET ON THIS SITE. ALTHOUGH THE SOIL APPEARS TO BE WELL SUITED FOR REUSE AS STRUCTURAL FILL, IT SHOULD BE RECOGNIZED THAT CLAY SOILS ARE SENSITIVE TO MOISTURE, AND THEREFORE, IT IS RECOMMENDED THAT EARTHWORK BE PERFORMED DURING THE DRIER MONTHS OF THE YEAR. THE CONTRACTOR SHOULD BE PREPARED TO MONITOR MOISTURE CONDITION OF THE SOILS AS NECESSARY IN ORDER TO IMPROVE THE EFFICIENCY OF THE COMPACTING OPERATIONS AND EFFORTS.
- OFFSITE BORROW / TRENCH BORROW:**
- OFFSITE BORROW MATERIAL PLACED ON SITE SHOULD BE LOW PLASTICITY (PI LESS THAN 25 AND LL LESS THAN 50) AND SHALL BE FREE OF ORGANIC MATERIAL OR DEBRIS. PLACE FILL IN 8" TO 10" LOOSE LIFTS AND COMPACT TO 95% OF THE STANDARD PROCTOR MAXIMUM DRY DENSITY. ASTM D698. THE MOISTURE CONTENT OF THE SOIL SHOULD BE MAINTAINED WITHIN ± 3 PERCENTAGE POINTS OF THE OPTIMUM MOISTURE CONTENT DETERMINED BY THE SAME TEST. OFF-SITE BORROW MATERIAL TO BE OBTAINED FROM A PERMITTED SOURCE.
- ADA AND LEGAL DISCLAIMER:**
- THIS DOCUMENT IS NOT REPRESENTED TO COMPLY WITH ALL REQUIREMENTS CONTAINED IN THE ADA OR OTHER LAWS. ENGINEERS ARE NOT LICENSED TO INTERPRET LAWS OR GIVE ADVICE CONCERNING LAWS. THE OWNER SHOULD HAVE THIS DOCUMENT REVIEWED BY HIS ATTORNEY TO DETERMINE LEGAL COMPLIANCE.



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**CITY OF WILSON**  
**3739 WARD BLVD. DEMOLITION**

CITY OF WILSON WILSON COUNTY, NORTH CAROLINA

**EXISTING CONDITIONS AND DEMOLITION PLAN**

REVISION	DATE	BY	DATE
NCDCE LAND QUALITY COMMENTS	8/31/22	JM	September 12, 2022
NCDCE LAND QUALITY COMMENTS	9/12/22	JM	

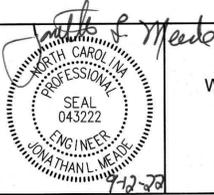
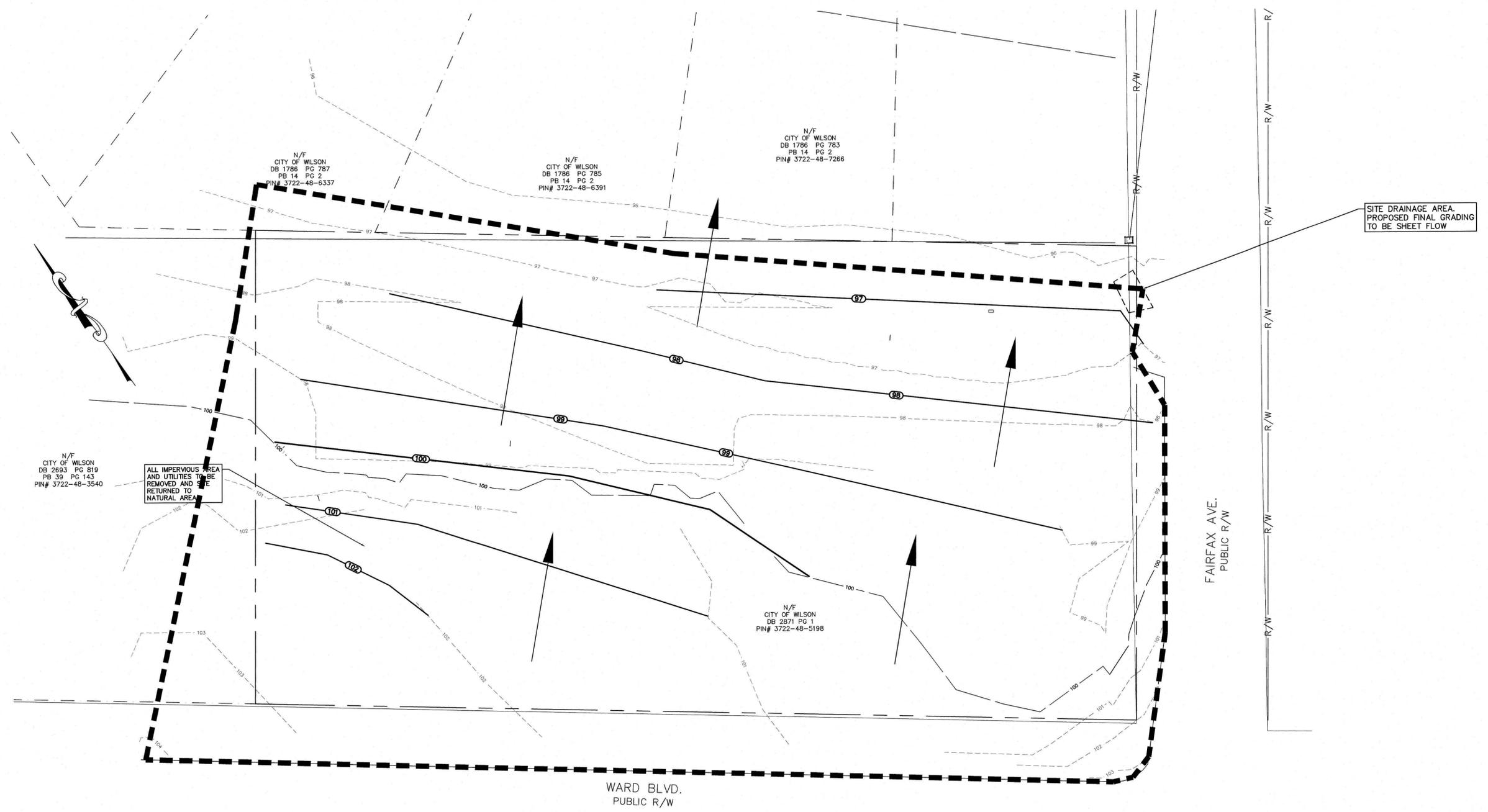
GRAPHIC SCALE  
 0 40 80  
 SCALE IN FEET

CLIENT CODE: WILSON  
 JOB NUMBER: 22-143  
 FIELD BOOK: XXX  
 CAD/FILE: 22-143\_EC-1.dwg  
 ASCII FILE:  
 LAST MODIFIED: 12-Sep-22  
 MODIFIED BY: JLM

SHEET NO. 2 OF 7



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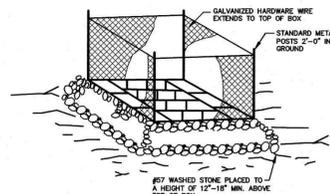


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**CITY OF WILSON**  
**3739 WARD BLVD. DEMOLITION**  
 CITY OF WILSON WILSON COUNTY, NORTH CAROLINA

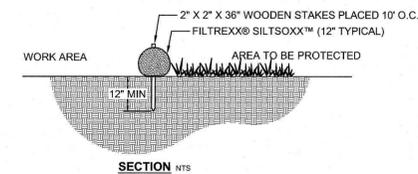
**PROPOSED DRAINAGE AREA MAP**

REVISION	DATE	BY	DATE: September 12, 2022
NCDEQ LAND QUALITY COMMENTS	8/31/22	JM	<b>GRAPHIC SCALE</b>  SCALE IN FEET
NCDEQ LAND QUALITY COMMENTS	9/12/22	JM	
CLIENT CODE: WILSON JOB NUMBER: 22-143 FIELD BOOK: XXX CADFILE: 22-143_EC-1.dwg ASCII FILE: LAST MODIFIED: 12-Sep-22 MODIFIED BY: JLM			
<b>SHEET NO. 4 OF 7</b>			



**CATCH BASIN / YARD INLET PROTECTION DETAIL**  
NO SCALE

NOTES:  
INSPECT AFTER EACH RAIN AND MAKE REPAIRS AS NEEDED.  
REMOVE SEDIMENT FROM POOL AREA AS NECESSARY TO PROVIDE ADEQUATE STORAGE VOLUME FOR THE NEXT RAIN. TAKE CARE NOT TO DAMAGE OR UNDERCUT THE FABRIC DURING SEDIMENT REMOVAL.  
WHEN THE CONTRIBUTING DRAINAGE AREA HAS BEEN ADEQUATELY STABILIZED, REMOVE ALL MATERIALS AND ANY UNSTABLE SEDIMENT AND DISPOSE OF THEM PROPERLY, USING THE DISTURBED AREA TO THE GRADE OF THE DRAIN INLET AND SMOOTH AND COMPACT IT. APPROPRIATELY STABILIZE ALL BARE AREAS AROUND THE INLET.  
MAINTENANCE:  
INSPECT MULCH AT LEAST WEEKLY AND AFTER EACH SIGNIFICANT (1" 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.

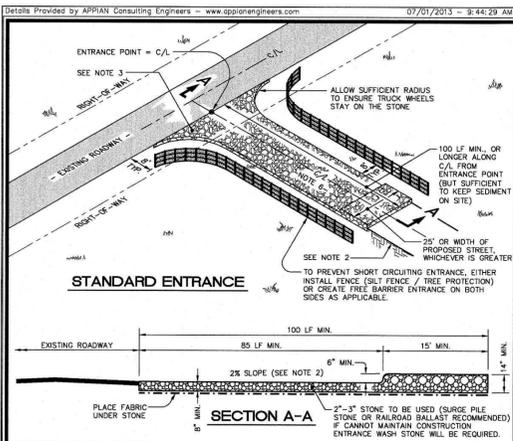


**STABILIZED CONSTRUCTION ENTRANCE DETAIL**

NOTES:  
1. Clear the entrance/exit area of all vegetation, roots, and other objectionable material.  
2. Grade the road foundation so that the entrance exit will have a cross slope.  
3. Stone size - Use 2" to 3" stone or surge pile stone.  
4. Maintain the gravel pad in a condition to prevent mud or sediment from leaving the site onto the public right-of-way. This may require periodic top dressing with additional stone as conditions demand repair and/or cleanout of any measures used to trap sediment. Should mud be tracked or washed onto road, it must be removed immediately.  
5. If construction on the site is such that the mud is not removed by the vehicle traveling over the stone, then the tires of the vehicle must be washed before entering the existing roadway. When necessary, wheels shall be cleaned to remove sediment prior to entrance onto public right-of-way. When washing is required, it shall be done on an area stabilized with crush stone which drains to an approved sediment trap or sediment basin. All sediment shall be prevented from entering any storm drain, ditch, or watercourse through use of sand bags, gravel, boards, or other approved methods.  
6. Install silt fence or free protection fence to ensure construction entrance is used.

**CONSTRUCTION ENTRANCE Maintenance**

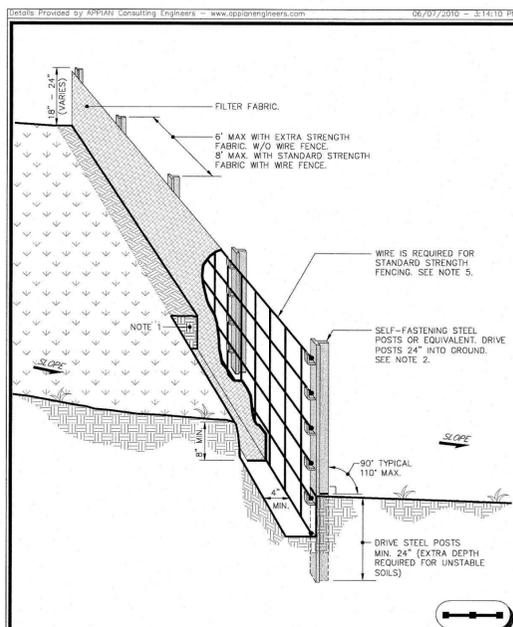
- The gravel construction entrance must be maintained in a condition to prevent tracking or direct flow of mud onto adjacent roadways.
- Replacement of stone may be necessary to ensure the gravel entrance functions properly.
- Replenishment of stone may be necessary.
- Frequent checks of the device and timely maintenance should be completed.
- Any material tracked onto the roadway shall be cleaned up immediately.



**STANDARD ENTRANCE**

CONSTRUCTION SPECIFICATIONS:

- Clear the entrance/exit area of all vegetation, roots, and other objectionable material.
- Grade the road foundation so that the entrance exit will have a cross slope.
- Stone size - Use 2" to 3" stone or surge pile stone.
- Maintain the gravel pad in a condition to prevent mud or sediment from leaving the site onto the public right-of-way. This may require periodic top dressing with additional stone as conditions demand repair and/or cleanout of any measures used to trap sediment. Should mud be tracked or washed onto road, it must be removed immediately.
- If construction on the site is such that the mud is not removed by the vehicle traveling over the stone, then the tires of the vehicle must be washed before entering the existing roadway. When necessary, wheels shall be cleaned to remove sediment prior to entrance onto public right-of-way. When washing is required, it shall be done on an area stabilized with crush stone which drains to an approved sediment trap or sediment basin. All sediment shall be prevented from entering any storm drain, ditch, or watercourse through use of sand bags, gravel, boards, or other approved methods.
- Install silt fence or free protection fence to ensure construction entrance is used.



**TYPICAL SILT FENCE**

NOTES:  
1. \* Mulch will be doubled if crimping is the method used.  
2. Any variation from these specs must have approval of the Stormwater Program Manager or his/her duty authorized agent.

**Table 6.14a Mulching Materials and Application Rates**

Material	Rate Per Acre	Quality	Notes
<b>Organic Mulches</b>			
Straw	1-2 tons	Dry, unchopped, unweathered; avoid weeds.	Should come from wheat or oats; spread by hand or machine; must be tacked down.
Wood chips (ANCHOR STRAW BY TACKING WITH ASPHALT OR NETTING)	5-6 tons	Air dry	Treat with 12 lbs nitrogen/ton. Apply with mulch blower, chip handler, or by hand. Not for use in fine turf. Also referred to as wood cellulose. May be hydroseeded. Do not use in hot, dry weather.
Wood fiber	0.5-1 tons		Apply with mulch blower, chip handler, or by hand. Do not use asphalt tack. May be hydroseeded. Do not use in hot, dry weather.
Bark	35 cubic yards	Air dry, shredded or hammer-milled, or chips	Apply with mulch blower, chip handler, or by hand. Do not use asphalt tack.
Corn stalks	4-6 tons	Cut or shredded in 4-6 in. lengths.	Apply with mulch blower or by hand. Not for use in fine turf.
Senecio	1-3 tons	Green or dry; should contain mature seed.	
<b>Nets and Mats</b>			
Jute mat	Cover area	Heavy, uniform; woven of single jute yarn.	Withstands waterflow. Best when used with organic mulch.
Fiberglass net	Cover area		Withstands waterflow. Best when used with organic mulch.
Excelsior (wood fiber) mat	Cover area		Withstands waterflow.
Fiberglass roving mat	0.5-1 tons	Continuous fibers of drawn glass bound together with a non-toxic agent.	Apply with a compressed air ejector. Tack with emulsified asphalt at a rate of 25-35 gal/1,000 sq ft.
<b>Chemical Stabilizers</b>			
Aquastain	follow manufacturer's specifications		Not beneficial to plant growth.
Aerospray			
Curbed AK			
Petroset SB			
Terra Tack			
Crust 500			
Genaquia 743 M-145			

Refer to Practice No. 6.30, Grass Lined Channels.  
\*Use of trade names does not imply endorsement of product.

**SEEDING MAINTENANCE:**  
REFERTILIZE IF GROWTH IS NOT FULLY ADEQUATE. RESEED, REFERTILIZE AND MULCH IMMEDIATELY FOLLOWING EROSION OR OTHER DAMAGE.

**PERMANENT SEEDING**

Summer - March 1 - August 31  
LIME - MIN. OF 2 TONS PER ACRE WITH 3 TONS PER ACRE IN CLAY SOILS OR PER SOILS TEST.  
Fertilizer: 500 lbs/ac  
Bermudagrass (hulled): 35 lbs/ac  
Centipede: 10 lbs/ac  
German/Brown Top Millet Grain: 10 lbs/ac  
\*Straw Mulch: 2 tons/ac

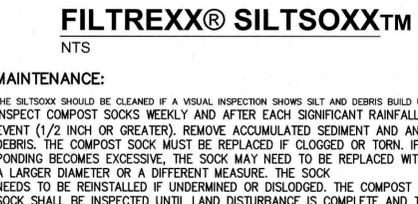
Winter - September 1 - February 28  
LIME - MIN. OF 2 TONS PER ACRE WITH 3 TONS PER ACRE IN CLAY SOILS OR PER SOILS TEST.  
Fertilizer: 500 lbs/ac  
Bermudagrass (unhulled): 35 lbs/ac  
Tall Fescue: 50 lbs/ac  
Annual Ryegrass: 10 lbs/ac  
\*Straw Mulch: 2 tons/ac

**TEMPORARY SEEDING**

Summer - March 1 - August 31  
LIME - MIN. OF 2 TONS PER ACRE WITH 3 TONS PER ACRE IN CLAY SOILS OR PER SOILS TEST.  
10-10-10 Fertilizer: 700 lbs/ac  
Browntop Millet: 40 lbs/ac  
\*Straw Mulch: 2 tons/ac

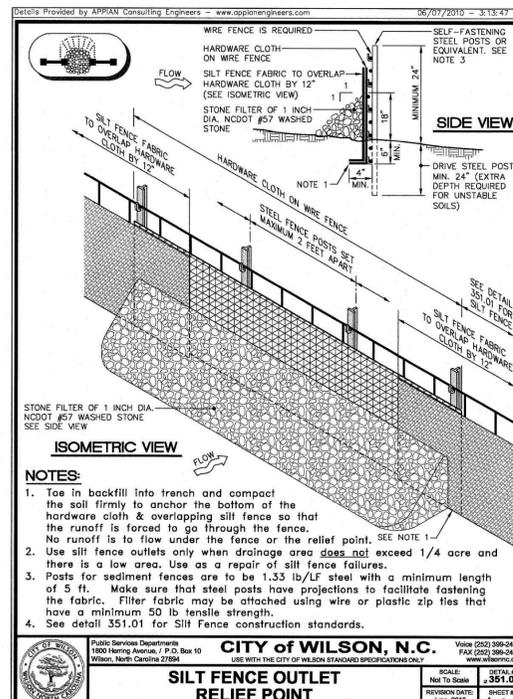
Winter - September 1 - February 28  
LIME - MIN. OF 2 TONS PER ACRE WITH 3 TONS PER ACRE IN CLAY SOILS OR PER SOILS TEST.  
10-10-10 Fertilizer: 700 lbs/ac  
Oats: 50 lbs/ac  
Rye Grain: 20 lbs/ac  
\*Straw Mulch: 2 tons/ac

**NOTES:**  
1. \* Mulch will be doubled if crimping is the method used.  
2. Any variation from these specs must have approval of the Stormwater Program Manager or his/her duty authorized agent.



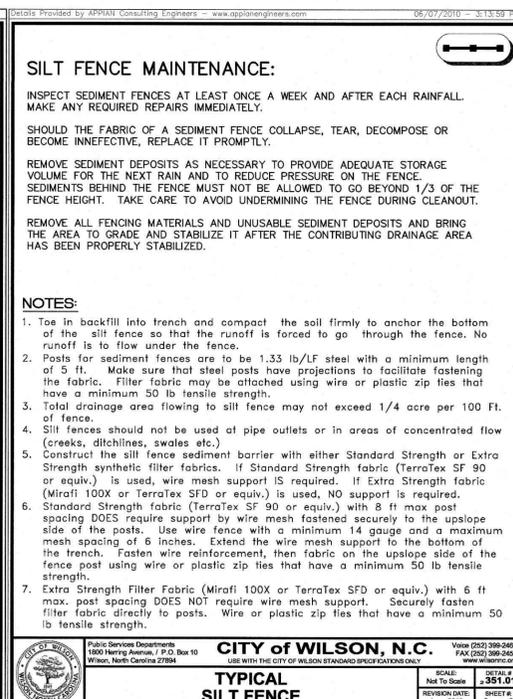
**SILT FENCE OUTLET RELIEF POINT**

NOTES:  
1. All material to meet Filtrex specifications.  
2. Filter media fill to meet application requirements.  
3. Compost material to be dispersed on site, as determined by engineer.



**SILT FENCE OUTLET RELIEF POINT**

NOTES:  
1. Toe in backfill into trench and compact the soil firmly to anchor the bottom of the hardware cloth & overlapping silt fence so that the runoff is forced to go through the fence. No runoff is to flow under the fence or the relief point. SEE NOTE 1.  
2. Use silt fence outlets only when drainage area does not exceed 1/4 acre and there is a low area. Use as a repair of silt fence failures.  
3. Posts for sediment fences are to be 1.33 lb/LF steel with a minimum length of 5 ft. Make sure that steel posts have projections to facilitate fastening the fabric. Filter fabric may be attached using wire or plastic zip ties that have a minimum 50 lb tensile strength.  
4. See detail 351.01 for Silt Fence construction standards.



**TYPICAL SILT FENCE**

NOTES:  
1. \* Mulch will be doubled if crimping is the method used.  
2. Any variation from these specs must have approval of the Stormwater Program Manager or his/her duty authorized agent.

**Maintenance** Inspect all mulches periodically, and after rainstorms to check for rill erosion, dislocation or failure. Where erosion is observed, apply additional mulch. If without occurs, repair the slope grade, reseed and reinstall mulch. Continue inspections until vegetation is firmly established.

**SEEDBED PREPARATION**

- CHISEL COMPACTED AREAS AND SPREAD TOPSOIL 3 INCHES DEEP OVER ADVERSE SOIL CONDITIONS, IF AVAILABLE.
- RIP THE ENTIRE AREA TO 6 INCHES DEPTH.
- REMOVE ALL LOOSE ROCK, ROOTS, AND OTHER OBSTRUCTIONS LEAVING SURFACE REASONABLY SMOOTH AND UNIFORM.
- APPLY AGRICULTURAL LIME, FERTILIZER, AND SUPERPHOSPHATE UNIFORMLY AND MIX WITH SOIL (SEE BELOW).
- CONTINUE TILLAGE UNTIL A WELL-PULVERIZED, FIRM, REASONABLY UNIFORM SEEDBED IS PREPARED 4 TO 6 INCHES DEEP.
- SEED ON A FRESHLY PREPARED SEEDBED AND COVER SEED LIGHTLY WITH SEEDING EQUIPMENT OR CULTIPACK AFTER SEEDING.
- MULCH IMMEDIATELY AFTER SEEDING AND ANCHOR MULCH.
- INSPECT ALL SEEDED AREAS AND MAKE NECESSARY REPAIRS OR RESEEDINGS WITHIN THE PLANTING SEASON, IF POSSIBLE. IF STAND SHOULD BE EVER 60% DAMAGED, REESTABLISH FOLLOWING ORIGINAL LIME, FERTILIZER AND SEEDING RATES.
- CONSULT CONSERVATION INSPECTOR ON MAINTENANCE TREATMENT AND FERTILIZATION AFTER PERMANENT COVER IS ESTABLISHED.

APPLY: AGRICULTURAL LIMESTONE - 2 TONS/ACRE  
FERTILIZER - 10-10-10 ANALYSIS AT 800 - 1000 LBS./ACRE  
SUPERPHOSPHATE - 500 LBS./ACRE OF 20% ANALYSIS SUPERPHOSPHATE  
MULCH - 2 TONS SMALL GRAIN STRAW/ACRE  
ANCHOR - TACK WITH LIQUID ASPHALT AT 400 GALLONS/ACRE OR EMULSIFIED ASPHALT AT 400 GALLONS/ACRE

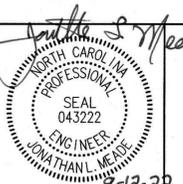
**EROSION CONTROL NOTES**

- STABILIZATION AREAS ACCORDING TO THE REQUIREMENTS OF THE NPDES GROUNDCOVER STABILIZATION TIMETABLE (SEE NEW STABILIZATION TIMEFRAMES).
- SILT FENCE TO BE INSTALLED AS SHOWN ON THE PLANS OR AS DEEMED NECESSARY BY VISUAL OBSERVATION.

**SEEDING SPECIFICATIONS**

SCALE: Not To Scale  
REVISION DATE: June, 2010  
SHEET # 1 of 1

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**GREEN ENGINEERING**  
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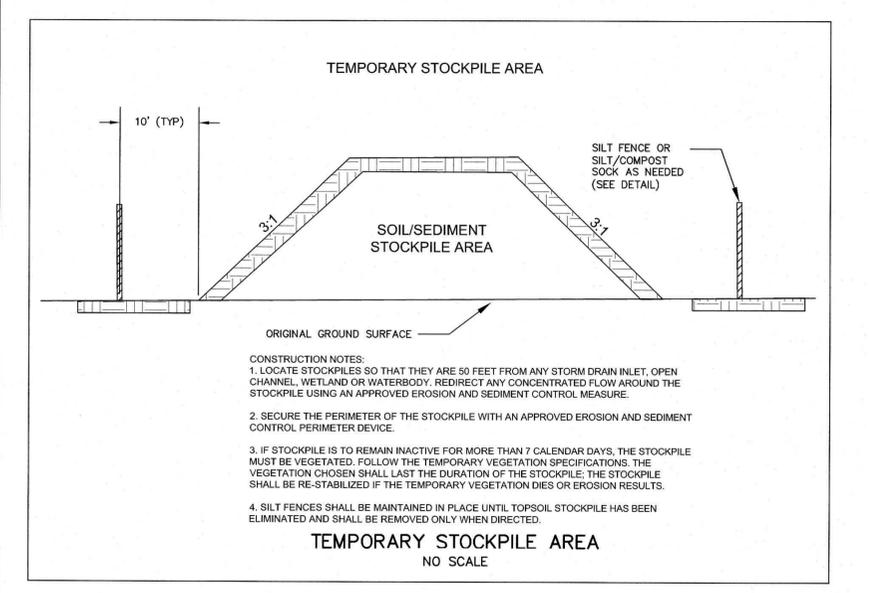
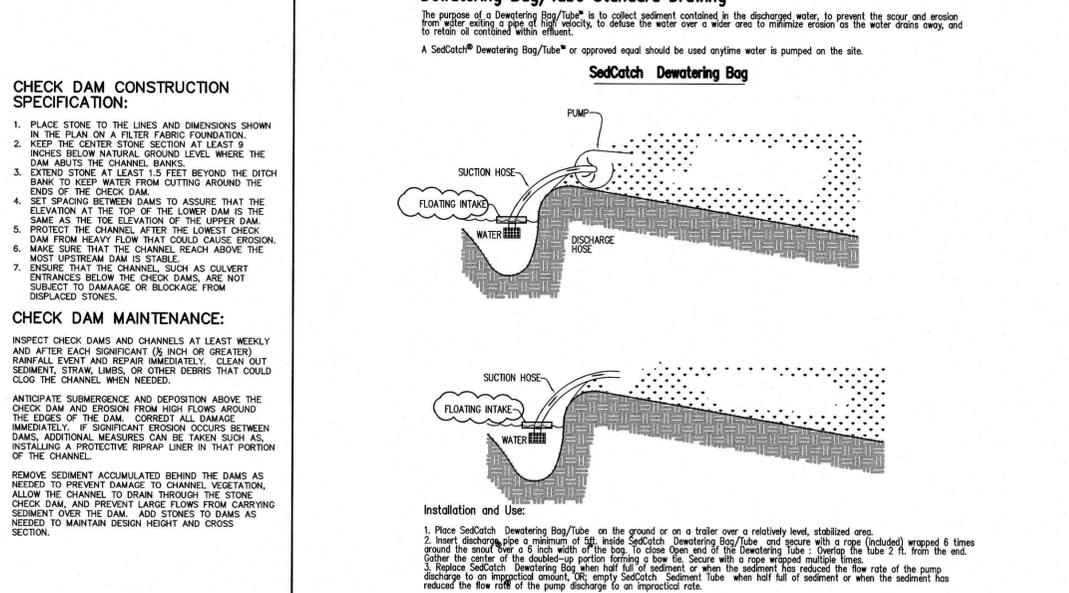
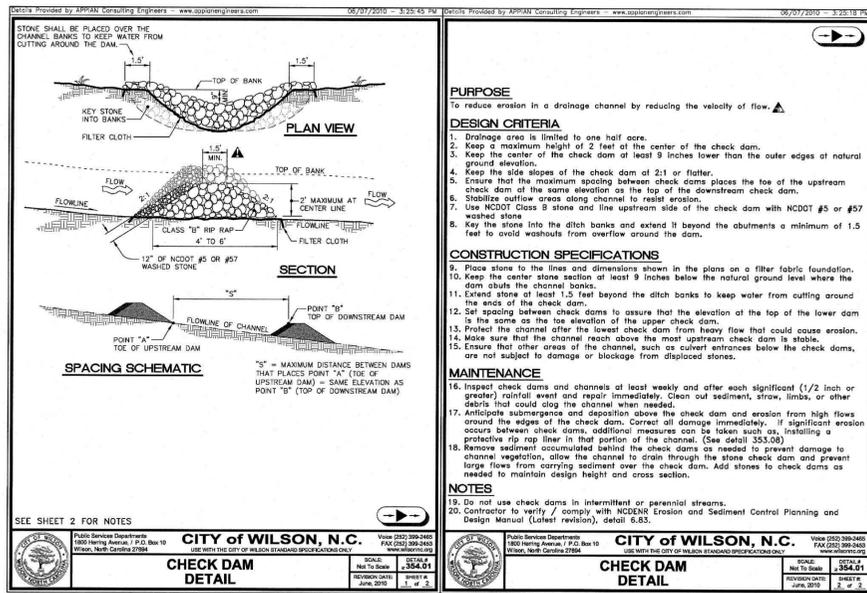
NORTH CAROLINA FIRM LICENSE: P-0115  
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**CITY OF WILSON**  
3739 WARD BLVD. DEMOLITION

CITY OF WILSON  
WILSON COUNTY, NORTH CAROLINA

REVISION	DATE	BY	DATE: September 12, 2022
NDCOE LAND QUALITY COMMENTS	8/31/22	JM	GRAPHIC SCALE
NDCOE LAND QUALITY COMMENTS	9/12/22	JM	
			AS SHOWN
			CLIENT CODE: WILSON JOB NUMBER: 22-143 FIELD BOOK: XXX CADFILE: 22-143_EC-1.dwg ASCII FILE: LAST MODIFIED: 12-Sep-22 MODIFIED BY: JLM
			SHEET NO. 5 OF 7





**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 outside of normal business hours, the self-inspection shall be performed upon the commencement of the next business day. Any time when inspections were delayed shall be noted in the Inspection Record.

Inspect	Frequency (during normal business hours)	Inspection records must include:
(1) Rain gauge maintained in good working order	Daily	Daily rainfall amounts. If no daily rain gauge observations are made during weekend or holiday periods, and no individual-day rainfall information is available, record the cumulative rain measurement for those unattended days (and this will determine if a site inspection is needed). Days on which no rainfall occurred shall be recorded as "zero." The permittee may use another rain-monitoring device approved by the Division.
(2) E&S Measures	At least once per 7 calendar days and within 24 hours of a rain event ≥ 1.0 inch in 24 hours	1. Identification of the measures inspected. 2. Date and time of the inspection. 3. Name of the person performing the inspection. 4. Indication of whether the measures were operating properly. 5. Description of maintenance needs for the measures. 6. Description, evidence, and date of corrective actions taken.
(3) Stormwater discharge outfalls (SOOs)	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. 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 as per Part III, Section C, Item 2(f) of this permit of this permit.
(6) Ground stabilization measures	After each phase of grading	1. The phase of grading/installation of perimeter E&S measures, clearing and grubbing, installation of storm drainage facilities, completion of all land-disturbing activity, construction or 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&S Plan Documentation**

The approved E&S plan as well as any approved deviation shall be kept on the site. The approved E&S plan must be kept up-to-date throughout the coverage under this permit. The following items pertaining to the E&S plan shall be documented in the manner described:

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

**2. Additional Documentation**

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

- This general permit as well as the certificate of coverage, after it is received.
- Records of inspections made during the previous 30 days. The permittee shall record the required observations on the Inspection Record Form provided by the Division or a similar inspection form that includes all the required elements. Use of electronically available records in lieu of the required paper copies will be allowed if shown to provide equal access and utility as the hard-copy records.
- All data used to complete the Notice of Intent and older 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:

- Visible sediment deposition in a stream or wetland.
- 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).
- 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.
- Anticipated bypasses and unanticipated bypasses.
- 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 Division's Emergency Response personnel at (800) 662-7956, (800) 858-0368 or (919) 733-3300.

Occurrence	Reporting Timeframes (After Discovery) and Other Requirements
(a) Visible sediment deposition in a stream or wetland	<ul style="list-style-type: none"> <li>Within 24 hours, an oral or electronic notification.</li> <li>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.</li> </ul>
(b) Oil spills and releases of hazardous substances per Item 1(b)-(c) above	<ul style="list-style-type: none"> <li>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.</li> </ul>
(c) Anticipated bypasses [40 CFR 122.41(m)(3)]	<ul style="list-style-type: none"> <li>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.</li> </ul>
(d) Unanticipated bypasses [40 CFR 122.41(m)(3)]	<ul style="list-style-type: none"> <li>Within 24 hours, an oral or electronic notification.</li> <li>Within 7 calendar days, a report that includes an evaluation of the quality and effect of the bypass.</li> </ul>
(e) Noncompliance with the conditions of this permit that may endanger health or the environment [40 CFR 122.41(i)(7)]	<ul style="list-style-type: none"> <li>Within 24 hours, an oral or electronic notification.</li> <li>Within 7 calendar days, a report that contains a description of the noncompliance, and its cause; 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 recurrence of the noncompliance. [40 CFR 122.41(i)(6)].</li> <li>Division staff may waive the requirement for a written report on a case-by-case basis.</li> </ul>

**GROUND STABILIZATION AND MATERIALS HANDLING PRACTICES FOR COMPLIANCE WITH THE NCGO1 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 NCGO1 Construction General Permit (Sections E and F, respectively). The permittee shall comply with the Erosion and Sediment Control plan approved by the delegated authority having jurisdiction. All details and specifications shown on this sheet may not apply depending on site conditions and the delegated authority having jurisdiction.

**SECTION E: GROUND STABILIZATION**

Site Area Description	Stabilize within this many calendar days after ceasing land disturbance	Timeframe variations
(a) Perimeter dikes, swales, ditches, and perimeter slopes	7	None
(b) High Quality Water (HQW) Zones	7	None
(c) Slopes steeper than 3:1	7	If slopes are 10' or less in length and are not steeper than 2:1, 14 days are allowed.
(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 30 calendar days after the last land disturbing activity. Temporary ground stabilization shall be maintained in a manner to render the surface stable against accelerated erosion until permanent ground stabilization is achieved.

**GROUND STABILIZATION SPECIFICATION**

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

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

**POLYACRYLAMIDES (PAMS) AND FLOCCULANTS**

- Select flocculants that are appropriate for the soils being exposed during construction, selecting from the NCDWR 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 NCDWR List of Approved PAMS/Flocculants and in accordance with the manufacturer's instructions.
- Provide ponding area for containment of treated stormwater before discharging offsite.
- Store flocculants in leak-proof containers that are kept under storm-resistant cover or surrounded by secondary containment structures.

**LITTER, BUILDING MATERIAL AND LAND CLEARING WASTE**

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

**PAINT AND OTHER LIQUID WASTE**

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

**PORTABLE TOILETS**

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

**EARTHEN STOCKPILE MANAGEMENT**

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

**HAZARDOUS AND TOXIC WASTE**

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

**CONCRETE WASHOUTS**

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

**HERBICIDES, PESTICIDES AND RODENTICIDES**

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

**NGO1 SELF-INSPECTION, RECORDKEEPING AND REPORTING**      EFFECTIVE: 04/01/19      **NGO1 GROUND STABILIZATION AND MATERIALS HANDLING**      EFFECTIVE: 04/01/19

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**CITY OF WILSON**  
3739 WARD BLVD. DEMOLITION  
CITY OF WILSON      WILSON COUNTY, NORTH CAROLINA

**DETAILS**

REVISION	DATE	BY	DATE: September 12, 2022
NCDQR LAND QUALITY COMMENTS	8/31/22	JM	GRAPHIC SCALE
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SHEET NO. 7 OF 7