# **BELLE MAR SINGLE FAMILY RESIDENTIAL**

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SHEET NO.	SHEET TITLE	ORIGINAL ISSUE DATE	REVISION DATE	REVISION NUMBER
C1.0	COVER SHEET	05/11/2021	01/03/2022	F
C1.1	GENERAL NOTES & LEGENDS	05/11/2021	01/03/2022	F
C1.2	NCDEQ NOTES	05/11/2021	01/03/2022	F
	SURVEY	07/09/2021		
C2.0	EXISTING CONDITIONS AND DEMOLITION PLAN	05/11/2021	01/03/2022	F
C3.0	SITE PLAN	05/11/2021	01/03/2022	F
C4.0	EROSION CONTROL STAGE 1	05/11/2021	01/03/2022	F
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C7.1	NCDOT TRAFFIC CONTROL PLAN	05/11/2021	01/03/2022	F
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C8.4	GENERAL DETAILS	05/11/2021	01/03/2022	F
C8.5	SEDIMENT BASIN DETAILS	05/11/2021	01/03/2022	F

# **OWNER / DEVELOPER**

NAME: ADDRESS:

PHONE NUMBER:

CONTACT:

EMAIL:

DEVELOPMENT SOLUTIONS GROUP, LLC 11121 CARMEL COMMONS BLVD., STE 360 CHARLOTTE, NC 28226 **KENT OLSON** 704-543-0760 KENT@OLSONDEVELOPMENT.COM



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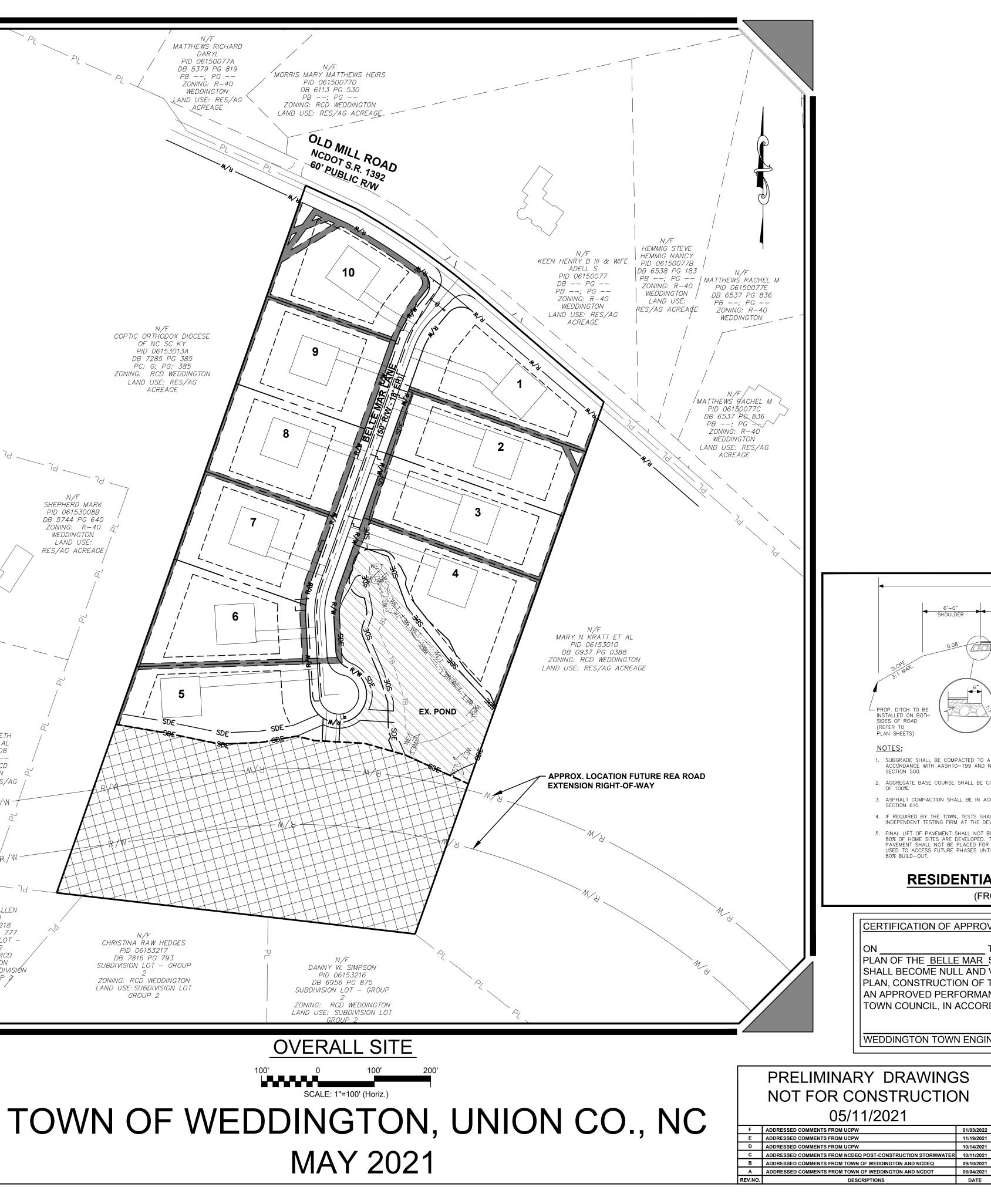
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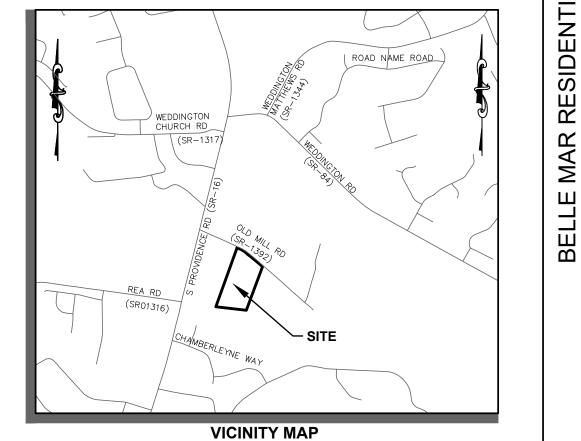
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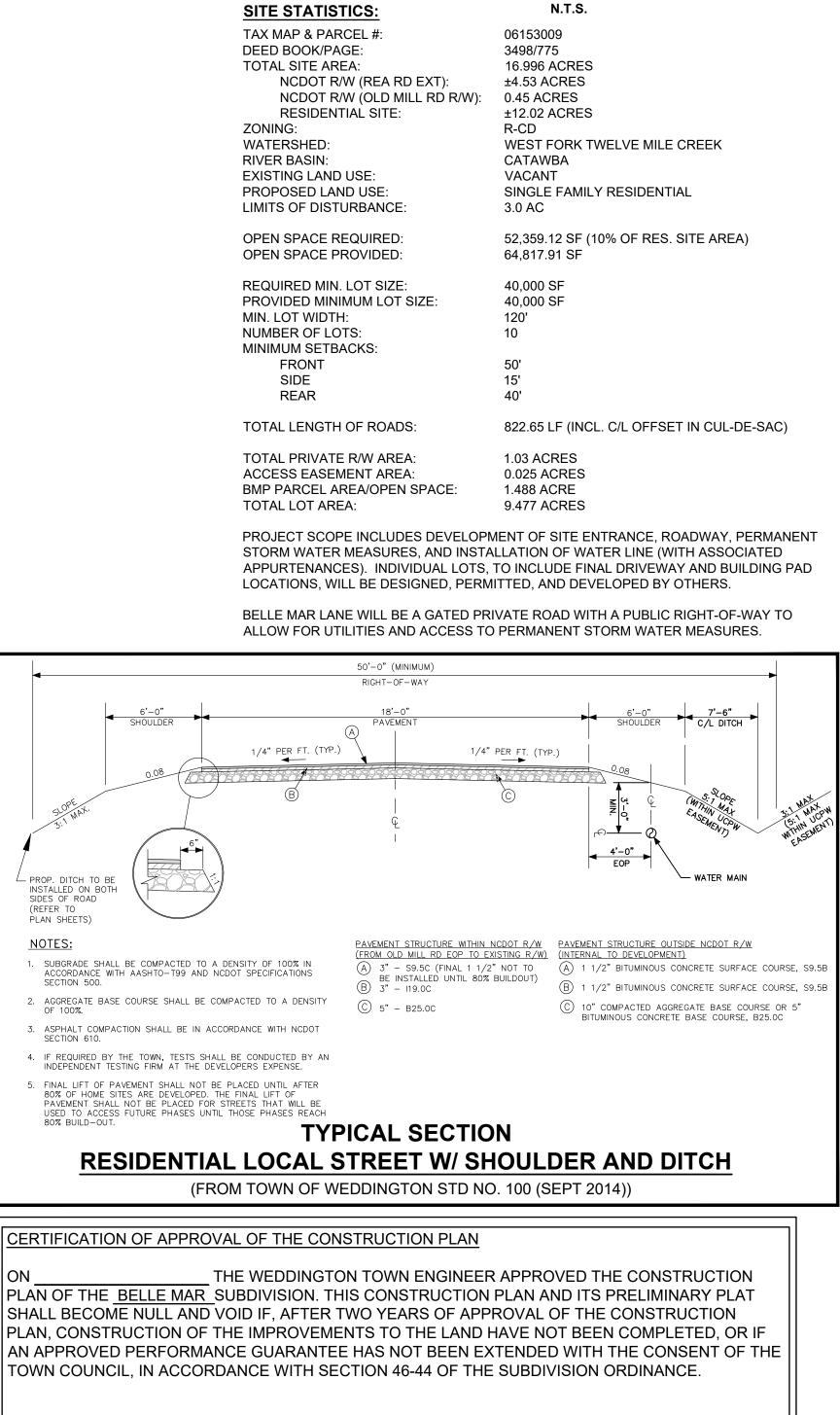
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WEDDINGTON TOWN ENGINEER

01/03/2022

11/19/2021

10/14/2021

09/10/2021

08/04/2021

PRELIMINARY DRAWINGS NOT FOR CONSTRUCTION 05/11/2021

DESCRIPTION



**CIVIL ENGINEER** 

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# **DEMOLITION/EXISTING CONDITIONS NOTES:**

- PROJECT SCOPE INCLUDES DEVELOPMENT OF SITE ENTRANCE, ROADWAY, PERMANENT STORM WATER MEASURES, AND WATER LINE (WITH ASSOCIATED APPURTENANCES). THE LIMITS OF DISTURBANCE SHALL BE LIMITED TO WHAT IS NEEDED TO INSTALL THE ABOVE MENTIONED COMPONENTS. INDIVIDUAL LOTS, TO INCLUDE FINAL DRIVEWAY AND BUILDING PAD LOCATIONS, WILL BE DESIGNED, PERMITTED, AND DEVELOPED BY OTHERS
- ACQUIRE ALL NECESSARY PERMITS AND HOLD PRE-CONSTRUCTION MEETING PRIOR TO COMMENCEMENT OF DEMOLITION ACTIVITY. CONTRACTOR IS FULLY RESPONSIBLE FOR CONTACTING APPROPRIATE PARTIES AND ASSURING THAT EXISTING UTILITIES ARE
- LOCATED PRIOR TO BEGINNING CONSTRUCTION. CONTRACTOR IS RESPONSIBLE FOR PLACING BARRICADES, USING FLAG MEN, ETC AS NECESSARY TO ENSURE THE SAFETY OF THE
- ALL PAVEMENT CUTS, CONCRETE OR ASPHALT, ARE TO BE PLACED IN ACCORDANCE WITH THE STANDARDS OF THE NORTH CAROLINA
- DEPARTMENT OF TRANSPORTATION AND THE TOWN OF WEDDINGTON. SHORING WILL BE IN ACCORDANCE WITH OSHA TRENCHING STANDARDS PART 1926, SUBPART P OR AS AMENDED.
- CONTRACTOR SHALL ESTABLISH EROSION CONTROL MEASURES PRIOR TO DEMOLITION OF EXISTING STRUCTURES. CONTRACTOR SHALL ADHERE TO ALL LOCAL, STATE AND FEDERAL RULES AND REGULATIONS CONCERNING THE DEMOLITION AND REMOVAL OFFSITE OF ALL CONSTRUCTION DEBRIS.
- CONTRACTOR SHALL COMPLETE DEMOLITION WORK IN AN EXPEDITIOUS AND TIMELY MANNER. EXISTING STRUCTURES SHALL BE DEMOLISHED UNDER A SEPARATE DEMOLITION PERMIT OBTAINED BY THE CONTRACTOR. ABANDONMENT OR REMOVAL OF EXISTING WELLS, SEPTIC SYSTEMS AND ASSOCIATED APPURTENANCE SHALL BE PERFORMED IN ACCORDANCE WITH REGULATORY GUIDELINES AND PROCEDURES ESTABLISHED BY THE NORTH CAROLINA DEPARTMENT OF NATURAL RESOURCES, AND ANY ASSOCIATED REGULATORY AGENCIES.
- DEMOLITION CONTRACTOR, AND ASSOCIATED SUBCONTRACTORS, ARE RESPONSIBLE FOR CONTACTING AND COORDINATING WITH EACH AFFECTED UTILITY COMPANY PRIOR TO THE REMOVAL OR DISCONNECTION OF ANY EXISTING SERVICES ON SITE. SURVEY WAS PERFORMED PRIOR TO DEMOLITION OF SOME STRUCTURES ON SITE. CONTRACTOR SHALL CONFIRM ITEMS TO BE DEMOLISHED. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING A DEMOLITION PERMIT AND ANY ANCILLARY PERMITS FOR DEMOLITION OF REMAINING ITEMS.
- DEMOLITION CONTRACTOR, AND ASSOCIATED SUBCONTRACTORS, ARE RESPONSIBLE FOR CONTACTING AND COORDINATING WITH ARBORIST OR THE APPROPRIATE PARTY FOR TREE REMOVAL WITHIN SETBACK OR RIGHT OF WAY IF NECESSARY. CONTRACTOR SHALL CONTACT ALL AFFECTED UTILITY COMPANIES PRIOR TO BEGINNING DEMOLITION.
- CONTRACTOR SHALL REMOVE ALL BUILDING AND BUILDING FOUNDATIONS ON SITE (COORDINATE WITH OWNER PRIOR TO REMOVAL). ALL DEBRIS RESULTING FROM FROM DEMOLITION ACTIVITIES SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED FROM THE PROJECT SITE AND DISPOSED OF IN A LEGAL MANNER AT THE CONTRACTORS EXPENSE. CONTRACTOR SHALL ENSURE THAT ALL ADJOINING PARCEL UTILITIES REMAIN IN SERVICE AT ALL TIMES.
- BOUNDARY SURVEY INFORMATION WAS OBTAIN FROM MCKIM & CREED
- UTILITY LOCATION & TOPOGRAPHIC SURVEY ALSO PERFORMED BY MCKIM & CREED. SURVEY HORIZONTAL REFERENCE: NAD 83
- SURVEY VERTICAL REFERENCE: NAVD88

# **GRADING NOTES**

- COORDINATE ALL CURB AND STREET GRADES IN INTERSECTION WITH THE INSPECTOR. APPROVAL OF THIS PLAN IS NOT AN AUTHORIZATION TO GRADE ADJACENT PROPERTIES. WHEN FIELD CONDITIONS WARRANT OFF-SITE
- GRADING, PERMISSION SHALL BE OBTAINED BY CONTRACTOR FROM THE AFFECTED PROPERTY OWNERS. IN ORDER TO ENSURE PROPER DRAINAGE, CONTRACTOR SHALL MAINTAIN A MINIMUM OF 0.5% SLOPE ON THE CURB.
- PE SEALED SHOP DRAWINGS FOR RETAINING WALL MUST BE SUBMITTED TO CITY ENGINEERING PRIOR TO CONSTRUCTION. ENSURE THE BACKS ARE OUTSIDE RIGHT OF WAY OR 8' BELOW GRADE. THE CONTRACTOR SHALL MAINTAIN EACH STREAM, CREEK, OR BACKWASH CHANNEL IN AN UNOBSTRUCTED STATE AND SHALL REMOVE
- FROM THE CHANNEL AND BANKS OF THE STREAM ALL DEBRIS, LOGS, TIMBER, TRASH, JUNK AND OTHER ACCUMULATIONS IF CAUSED BY DEVELOPMENT
- NON-STANDARD ITEMS (IE: PAVERS, STAMPED CONCRETE, IRRIGATION SYSTEMS, ETC.) IN THE RIGHT-OF-WAY REQUIRE A RIGHT-OF-WAY ENCROACHMENT AGREEMENT WITH THE (TOWN OF WEDDINTON/NORTH CAROLINA DEPARTMENT OF TRANSPORTATION) BEFORE INSTALLATION CONTRACTOR SHALL CONTACT INSPECTOR 48 HOURS BEFORE CONSTRUCTION.
- THE LOCAL ENGINEERING DEPARTMENT HAS NOT REVIEWED AND DOES NOT ASSUME RESPONSIBILITY FOR THE STRUCTURAL STABILITY OF ANY EXISTING OR PROPOSED RETAINING WALLS ON THE SITE. DESIGN OF ALL RETAINING WALLS IS TO BE PER NC BUILDING CODE SECTION 1610.3. DETAILED RETAINING WALL DESIGN DRAWINGS ARE TO BE SEALED BY A LICENSED ENGINEER. UPON COMPLETION OF WALL, A NC LICENSED ENGINEER WILL SUBMIT A SEALED LETTER TO MCKIM & CREED STATING THAT RETAINING WALLS WERE CONSTRUCTED PER THE ENGINEERING DRAWINGS.
- CONTRACTOR SHALL NOT GRADE WITHIN THE 100 YR FEMA FLOOD LINE. CONTRACTOR SHALL CONFIRM THAT FILL MATERIAL CONFORMS TO SPECIFICATIONS AND IS COMPACTED PER RECOMMENDATION FROM GEOTECHNICAL ENGINEER ). CONTRACTOR SHALL CONFIRM EXISTING SOIL CONDITIONS CONFORMS TO SPECIFICATIONS FROM GEOTECHNICAL ENGINEER.

# CONSTRUCTION SEQUENCE:

## PRIOR TO CONSTRUCTION

- OBTAIN GRADING/EROSION CONTROL PLAN APPROVAL FROM THE TOWN OF WEDDINGTON. NO WORK SHALL BE PERFORMED IN ANY WETLAND/STREAMS/PONDS WITHOUT PROPER APPROVAL. CONTACT THE TOWN OF WEDDINGTON PLANNING DEPARTMENT (PHONE # 704-846-2709) TO SCHEDULE THE PRE-CON AND FOR
- NOTIFICATION OF PROJECT START UP. 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 MONITORING.

## STAGE 1 EROSION CONTRO

- INSTALL TEMPORARY CONSTRUCTION ENTRANCE AS SHOWN ON PLANS TO PROVIDE ACCESS TO OLD MILL ROAD. CONSTRUCTION ENTRANCE SHALL BE INSTALLED PRIOR TO ANY CLEARING AND GRUBBING. INSTALL INLET PROTECTION FOR CULVERT BENEATH CONSTRUCTION ENTRANCE.
- GC SHALL FLAG ENTIRE LIMITS OF DISTURBANCE AT 100' INCREMENTS WITH FLAGGING TAPE. LOCATE AII EXISTING UTILITIES WITHIN PROJECT AREA (PUBLIC AND PRIVATE). NOTIFY ENGINEER IMMEDIATELY IF LOCATIONS CAUSE
- CONFLICTS WITH SITE WORK INSTALL TEMPORARY SILT FENCE, SILT FENCE OUTLETS, CLEAN WATER DITCHES AND STRAW WATTLES, CLEARING ONLY AS NECESSARY TO INSTALL THESE DEVICES.
- CALL FOR SITE INSPECTION BY TOWN OF WEDDINGTON INSPECTOR AFTER ALL STAGE 1 EROSION CONTROL MEASURES ARE IN PLACE.

## STAGE 2 EROSION CONTROL

- DEMOLISH EXISTING FACILITIES, CLEAR AND GRADE SITE WITHIN THE STAGE 1-2 LIMITS OF DISTURBANCE WHILE MAINTAINING ALL STAGE 1 EROSION CONTROL MEASURES INSTALL ADDITIONAL STAGE 2 EROSION CONTROL MEASURES (SUCH AS DITCHES, STRAW WATTLES, CULVERTS, INLET PROTECTION, ETC.) PER THE PLAN AS SOON AS FEASIBLE. CONTRACTOR SHALL MAT ALL SLOPES 3:1 AND GREATER, TO INCLUDE ALL DITCHES, IMMEDIATELY AFTER GRADING PER THE DETAILS.
- APPLY SEED AND MULCH TO STABILIZE SITE AS AREAS ARE BROUGHT TO FINISHED GRADE.
- . COMPLETE IMPROVEMENTS ON-SITE. 13. STABILIZE THE REMAINDER OF SITE.

14. TOWN OF WEDDINGTON INSPECTOR SHALL BE CONTACTED AFTER SEEDING AND MULCHING IS COMPLETED.

## STAGE 3 EROSION CONTRO

- 15. DEMOLISH EXISTING FACILITIES, CLEAR AND GRADE SITE ACCORDING TO THE STAGE 3 LIMITS OF DISTURBANCE TO PROVIDE ACCESS TO EXISTING POND AND EMBANKMENT 16. INSTALL TIMBER MATS ON WETLANDS TO BE DISTURBED TEMPORARILY ACCORDING TO APPROVED 401/404 PERMIT. NO IMPACTS TO WETLANDS OUTSIDE THE APPROVED 401/404 PERMIT ARE ALLOWED.
- DEWATER EXISTING POND THROUGH A SILT BAG. GC SHALL ENSURE THAT THERE IS SHEET FLOW AT SITE DISCHARGE. NO CONCENTRATED FLOW IS PERMITTED. CONTRACTOR SHALL INSTALL COFFERDAM AND PUMP AROUND FOR SUBSURFACE FLOWS AS REQUIRED (SEE DETAILS) ONCE THE POND IS FULLY DEWATERED, CONTRACTOR SHALL INSTALL OUTLET STRUCTURE, SLOPE PROTECTION, INFLOW PIPE, AND
- RIPRAP APRONS PER THE PLANS WHILE MINIMIZING DISTURBANCE TO THE REST OF THE POND. CONTRACTOR SHALL REPLACE EMBANKMENT TO MATCH PRE-CONSTRUCTION CONDITIONS WHILE ENSURING COMPACTION PER GEOTECHNICAL ENGINEER'S RECOMMENDATIONS
- CONTRACTOR SHALL MAT POND EMBANKMENT IMMEDIATELY AFTER CONSTRUCTION AND SHALL EXTEND MATTING 10' INTO VIRGIN SOIL AT EACH END OF THE BERM 20. CONTRACTOR SHALL MAKE ALL POND MODIFICATIONS AS QUICKLY AS POSSIBLE TO LIMIT DRY TIME.

## STAGE 4 EROSION CONTRO

- 21. ONCE POND MODIFICATIONS HAVE BEEN COMPLETED AND THE POND IS CERTIFIED BY THE GEOTECHNICAL ENGINEER, REMOVE CLEAN WATER DITCHES (CWD #1 AND CWD #2) AND RESEED TO SPECIFICATIONS. 22. CLEAR AND GRADE WITHIN THE STAGE 4 LIMITS OF DISTURBANCE TO INSTALL PERMANENT DITCH PD #10.
- 23. APPLY SEED AND MULCH TO STABILIZE SITE.
- 24. TOWN OF WEDDINGTON INSPECTOR SHALL BE CONTACTED AFTER SEEDING AND MULCHING IS COMPLETED FOR POST CONSTRUCTION INSPECTION 25. AFTER SITE IS STABILIZED, CLEAN SEDIMENT OUT OF PERMANENT DITCHES AND RESEED TO SPECIFICATIONS.
- 26. REPAIR ANY DAMAGE TO POND OR PERMANENT SWALES. AREAS DISTURBED DURING THIS PROCESS SHALL BE RE-SEEDED WITH PERMANENT SEED AND MULCHED TO MINIMIZE POTENTIAL FOR EROSION. 27. STABILIZE ALL DISTURBED AREAS WITH SEED AND MULCH.
- 28. REMOVE ALL TEMPORARY EROSION CONTROL MEASURES TO INCLUDE SILT FENCING, WATTLES, TIMBER MATS, ETC. AREAS DISTURBED DURING THIS PROCESS SHALL BE RESEEDED WITH PERMANENT SEED 29. WHEN VEGETATION HAS BECOME ESTABLISHED, CALL FOR FINAL SITE INSPECTION BY TOWN OF WEDDINGTON INSPECTOR.
- 30. THE CONTRACTOR SHALL DILIGENTLY AND CONTINUOUSLY MAINTAIN ALL EROSION CONTROL DEVICES AND STRUCTURES. FOR STAGED EROSION CONTROL PLANS, CONTRACTOR SHALL MEET WITH EROSION CONTROL INSPECTOR PRIOR TO COMMENCING WITH EACH PHASE OF EROSION CONTROL MEASURES. 31. ALL EROSION CONTROL MEASURES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE N.C. EROSION AND SEDIMENT CONTROL
- PLANNING AND DESIGN MANUAL

#### F ADDRESSED COMMENTS FROM UCPV 01/03/2022 E ADDRESSED COMMENTS FROM UCPW 11/19/2021 D ADDRESSED COMMENTS FROM UCPW 10/14/2021 10/11/2021 ADDRESSED COMMENTS FROM NCDEQ POST-CONSTRUCTION STORMWATER B ADDRESSED COMMENTS FROM TOWN OF WEDDINGTON AND NCDEQ 09/10/2021 A ADDRESSED COMMENTS FROM TOWN OF WEDDINGTON AND NCDOT 08/04/2021 REV.NO. DATE DESCRIPTION REVISIONS

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# MATERIAL/STREET/SIDEWALK NOTES:

- PAPER JOINTS SHALL BE USED TO SEAL THE ENDS OF AN ASPHALT POUR SO THAT FUTURE EXTENSIONS CAN BE MADE WITHOUT CAUSING ROUGH JOINTS.
- DRAIN AND SANITARY SEWER STRUCTURES

- BACKFILL MATERIAL 10.
- THOROUGHLY

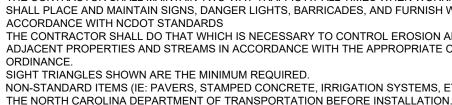
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- BACKFILL SHALL BE PLACED LOOSE AND THOROUGHLY COMPACTED INTO PLACE
- DEVELOPER SHALL PERFORM ALL TESTS AT NO COST TO THE CITY/COUNTY.
- WHEN THE FOLLOWING CONDITIONS ARE PRESENT: A. AIR TEMPERATURE IS BELOW 60 DEGREES F
- B. LENGTH OF HAUL FROM PLANT TO JOB IS GREATER THAN FIVE (5) MILES. C. OTHER OCCASIONS AT THE INSPECTOR'S DISCRETION WHEN A COMBINATION OF FACTORS INDICATES THAT MATERIAL SHOULD BE COVERED IN ORDER TO ASSURE PROPER PLACEMENT TEMPERATURE. 15.
- DEGREES F AND THE CONCRETE HAS NOT OBTAINED AN AGE OF 72 HOURS. PROOF ROLLING OF STREET SUBGRADE AND AGGREGATE BASE MATERIAL SHALL BE PERFORMED BY THE CONTRACTOR IN THE
- PAVEMENT SHALL NOT BE PLACED FOR STREETS THAT WILL BE USED TO ACCESS FUTURE PHASES UNTIL THOSE PHASES REACH 80% BUILD-OUT
- AND ASPHALT PAVING OPERATIONS.
- TOTAL PROJECT THE CONTRACTOR SHALL MAINTAIN TWO-WAY TRAFFIC AT ALL TIMES WHEN WORKING WITHIN EXISTING STREETS. THE CONTRACTOR
- ACCORDANCE WITH NCDOT STANDARDS 21.
- 22.
- 24.
- STANDARDS, AND NCDOT STANDARDS 25.
- APPROVAL PRIOR TO CONSTRUCTION, REVIEW OF THESE PLANS DOES NOT INCLUDE REVIEW OF THE RETAINING WALLS.

# EROSION CONTROL NOTES:

PRIOR TO INSTALLATION.

- SEPARATELY
- FOR REQUIREMENTS ON GROUND COVER. PERMANENT GROUND COVER WILL BE PROVIDED FOR ALL DISTURBED AREAS NO MORE THAN 90 CALENDAR DAYS.
- FOLLOWING EVERY RAINFALL EVENT GREATER THAN 1.0 INCHES, CONTRACTOR SHALL INSPECT AND REPAIR, AS NECESSARY, ALL UNDERMINING AND DEBRIS BUILDUP AROUND SILT FENCE
- STABILIZED WITH VEGETATION AS SOON AS POSSIBLE
- WETLANDS AND TO REDUCE THE AMOUNT OF SILT ENTERING THE ADJACENT WATER BODIES.
- INSTALLED PER THE MANUFACTURER'S RECOMMENDATION.
- SHOWN THAT NO AI TERNATIVES ARE REASONABLY AVAILABLE.
- CAN BE SHOWN THAT NO OTHER ALTERNATIVES ARE REASONABLY AVAILABLE. SILT FENCE SHALL BE INSTALLED AT LEAST 5 FEET OFF THE TOE OF ALL FILL SLOPES.
- MANAGEMENT
- FROSION-SEDIMENT-CONTROL/FORMS UNION COUNTY STANDARDS.
- IMMEDIATELY UPON COMPLETION OF CONSTRUCTION.
- INSPECTIONS CAN BE PERFORMED AT APPROPRIATE STAGES OF CONSTRUCTION.
- THE GENERAL CONTRACTOR.
- DURING INSPECTION
- FILLED OUT
- PERMIT REGARDLESS OF WHEN THEY ARE APPROVED.
- SELE-INSPECTION REPORTS WILL BE KEPT ON SITE UNTIL PROJECT IS CLOSED OUT BY DEMLR
- PERMANENT VEGETATION. 30. ANY DEWATERING ON THE PROJECT IS TO BE DONE THROUGH A SILT BAG.
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STREET CONSTRUCTION MATERIALS AND CONSTRUCTION STANDARDS SHALL MEET N.C. DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES. AND ROADWAY STANDARD DRAWINGS AS REVISED JANUARY 2012 (AND AS SUBSEQUENTLY AMENDED), EXCEPT WHERE TOWN OF WEDDINGTON STANDARDS ARE MORE STRINGENT. ALL ASPHALT CUTS SHALL BE MADE WITH A SAW WHEN PREPARING STREET SURFACES FOR PATCHING OR WIDENING STRIPS.

WHEN PLACING ASPHALT AGAINST EXISTING SURFACES, A STRAIGHT EDGE SHALL BE USED TO PREVENT "HUMPING" AT THAT LOCATION. STONE SHALL BE PRIMED IF PAVING IS NOT COMPLETE WITHIN SEVEN DAYS FOLLOWING STONE BASE APPROVAL. SURFACES SHALL BE TACKED WHEN ASPHALT IS BEING PLACED OVER EXISTING ASPHALT STREETS OR ADJOINING CONCRETE, STORM

IN ROLLING AND HILLY TERRAINS, SWEEPING OF THE STONE BASE AND/OR APPLICATION OF A TACK COAT MAY BE REQUIRED NEAR INTERSECTIONS. THESE REQUIREMENTS WILL BE ESTABLISHED BY THE INSPECTOR AND BASED ON FIELD CONDITIONS. ALL BACKFILL SHALL BE NON-PLASTIC IN NATURE, FREE FROM ROOTS, VEGETATIVE MATTER, WASTE, CONSTRUCTION MATERIAL OR OTHER OBJECTIONABLE MATERIAL. SAID MATERIAL SHALL BE CAPABLE OF BEING COMPACTED BY MECHANICAL MEANS AND THE MATERIAL SHALL HAVE NO TENDENCY TO FLOW OR BEHAVE IN A PLASTIC MANNER UNDER THE TAMPING BLOWS OR PROOF ROLLING. MATERIALS DEEMED BY THE INSPECTOR AS UNSUITABLE FOR BACKFILL PURPOSES SHALL BE REMOVED AND REPLACED WITH SELECT

ALL TRENCHES IN THE STREET RIGHT-OF-WAY SHALL BE BACKFILLED WITH SUITABLE MATERIAL IMMEDIATELY AFTER THE PIPE IS LAID. THE FILL AROUND ALL PIPE SHALL BE PLACED IN LAYERS NOT TO EXCEED SIX (6) INCHES AND EACH LAYER SHALL BE COMPACTED UNDER NO CIRCUMSTANCES SHALL WATER BE PERMITTED TO RISE IN UNBACKFILLED TRENCHES AFTER THE PIPE HAS BEEN PLACED.

COMPACTION REQUIREMENTS SHALL BE ATTAINED BY THE USE OF MECHANICAL COMPACTION METHODS. EACH SIX (6) INCH LAYER OF ALL SUBGRADE SHALL BE COMPACTED TO 100% OF THE MAXIMUM DENSITY OBTAINABLE WITH THE STANDARD PROCTOR TEST TO A DEPTH OF EIGHT (8) INCHES, AND A DENSITY OF 95% STANDARD PROCTOR FOR DEPTHS GREATER THAN EIGHT (8) INCHES. THE

14. A CANVAS COVER OR OTHER SUITABLE COVER SHALL BE REQUIRED FOR TRANSPORTING PLANT MIX ASPHALT DURING COOL WEATHER

CONCRETE OR ASPHALT SHALL NOT BE PLACED UNTIL THE AIR TEMPERATURE MEASURED AT THE LOCATION OF THE CONCRETING OPERATION IS AT 35 DEGREES F AND RISING BY 10:00 A.M. CONCRETE OR PAVING OPERATIONS SHOULD BE SUSPENDED WHEN THE AIR TEMPERATURE IS 40 DEGREES F AND DESCENDING. THE CONTRACTOR SHALL PROTECT FRESHLY PLACED CONCRETE IN ACCORDANCE WITH SECTION 420 OF THE NCDOT STANDARD SPECIFICATIONS WHEN THE AIR TEMPERATURE IS AT OR BELOW 35

PRESENCE OF THE OWNER'S ENGINEER USING AN OVER LOADED (ON-SITE) TRIAXLE DUMP WITH 22-25 TONS OF STONE. THIRD AXLE LIFTED. IF RAIN OCCURS BEFORE PLACING STONE ON SUBGRADE THAT HAS BEEN PROOFROLLED. OR IF RAIN OCCURS PRIOR TO PLACING ASPHALT ON STONE BASE THAT HAS BEEN PROOFROLLED, THE SUBGRADE AND STONE BASE MUST BE PROOFROLLED AGAIN. THE ENGINEER SHALL PROVIDE WRITTEN VERIFICATION TO THE TOWN THAT THE SUBGRADE AND AGGREGATE BASE MATERIAL MEET THE DENSITY REQUIREMENTS AS SPECIFIED. FAILURE TO PROVIDE ENGINEER'S VERIFICATION OF THE SUBGRADE AND STONE BASE COURSE COMPACTION COULD RESULT IN DELAY OF FINAL ACCEPTANCE OF THE DEVELOPMENT BY THE TOWN. THE FINAL LIFT OF ASPHALT PAVEMENT SHALL NOT BE PLACED UNTIL AFTER 80% OF HOME SITES ARE DEVELOPED. THE FINAL LIFT OF

18. FOR ROADS THAT ARE TO BE PRIVATELY MAINTAINED, A REPRESENTATIVE OF THE TOWN MUST BE PRESENT FOR ALL PROOFROLLING

PRIOR TO FINAL ACCEPTANCE. THE DEVELOPER SHALL BE RESPONSIBLE FOR CORRECTING ALL PROBLEMS ASSOCIATED WITH THE PROJECT. INCLUDING THOSE ITEMS NOT NECESSARILY COVERED BY THE PLANS. TO INSURE THE SATISFACTORY COMPLETION OF THE

SHALL PLACE AND MAINTAIN SIGNS, DANGER LIGHTS, BARRICADES, AND FURNISH WATCHMEN OR FLAGMEN TO DIRECT TRAFFIC IN THE CONTRACTOR SHALL DO THAT WHICH IS NECESSARY TO CONTROL FROSION AND TO PREVENT SEDIMENTATION DAMAGE TO ALL

ADJACENT PROPERTIES AND STREAMS IN ACCORDANCE WITH THE APPROPRIATE CITY/COUNTY SEDIMENT AND EROSION CONTROL

NON-STANDARD ITEMS (IE: PAVERS, STAMPED CONCRETE, IRRIGATION SYSTEMS, ETC.) IN THE RIGHT-OF-WAY REQUIRE APPROVAL FROM CONSTRUCTION SHALL BE IN STRICT COMPLIANCE WITH SPECIFICATION, CONSTRUCTION DOCUMENTS, TOWN OF WEDDINGTON, NCDEQ RETAINING WALLS OVER 4' IN HEIGHT SHALL BE DESIGNED, SIGNED AND SEALED BY AN ENGINEER AND SUBMITTED TO THE COUNTY FOR

ALL SIGNAGE LOCATED IN THE R/W IS TO BE INSTALLED PER THE CURRENT ISSUE OF THE MUTCD. GC SHALL VERIFY WITH CITY STAFF

ANY GRADING BEYOND THE DENUDED LIMITS SHOWN ON THE PLAN IS A VIOLATION OF THE NCDEQ PERMIT AND MAY BE SUBJECT TO A FINE. LIMITS OF CONSTRUCTION = ±3.0 ACRES. IF ADDITIONAL LAYDOWN AREAS ARE DETERMINED DURING THE CONSTRUCTION PROCESS. THEY WILL BE COORDINATED WITH THE NCDEQ EROSION CONTROL INSPECTOR. THESE LAYDOWN AREAS WILL BE PERMITTED

GRADING MORE THAN ONE ACRE WITHOUT AN APPROVED EROSION CONTROL PLAN IS A VIOLATION OF THE NCDEQ REGULATIONS. A GROUND COVER MUST BE PROVIDED ON EXPOSED SLOPES WITHIN 14 (OR 7) CALENDAR DAYS FOLLOWING COMPLETION OF ANY PHASE OF GRADING AND/OR AT THE COMPLETION OF CONSTRUCTION OR DEVELOPMENT. SEE "SEEDING STABILIZATION TIMEFRAMES" CHART

ADDITIONAL DEVICES MAY BE REQUIRED AS AGREED UPON WITH FIELD INSPECTOR, ENGINEER, AND OWNER.

DAMAGED EROSION CONTROL MEASURES. THIS INCLUDES BUT IS NOT LIMITED TO SILT FENCE. CONSTRUCTION ENTRANCES, SILT FENCE OUTLET DEVICES, AND INLET PROTECTION. TYPICAL MAINTENANCE INCLUDES CHECKING FOR STRUCTURAL DEFICIENCIES SUCH AS

7. CONTRACTOR SHALL TAKE ALL PRACTICAL MEASURES TO MINIMIZE DISTURBED AREA AND TO ENSURE THAT THE DISTURBED AREAS ARE CONTRACTOR SHALL TAKE ALL PRACTICAL MEASURES POSSIBLE TO LIMIT THE AMOUNT OF DISTURBANCE CLOSE TO STREAMS AND

9. ALL EXISTING AND PROPOSED DITCHES SHALL BE STABILIZED USING STRAW WITH NET OR ANOTHER FORM OF SLOPE STABILIZATION APPROVED BY THE ENGINEER IMMEDIATELY FOLLOWING SEEDBED PREPARATION AND SEEDING. SLOPE STABILIZATION SHOULD BE

ACTUAL LOCATIONS OF SILT FENCE OUTLET DEVICES SHOULD BE FIELD ADJUSTED TO ALLOW DEVICE TO BE LOCATED AT LOW POINTS. LOCATE AREAS DEDICATED FOR MANAGEMENT OF LAND CLEARING AND DEMOLITION DEBRIS, CONSTRUCTION AND DOMESTIC WASTE, AND HAZARDOUS OR TOXIC WASTE AT LEAST 50 FEET AWAY FROM STORM DRAIN INLETS AND SURFACE WATERS UNLESS IT CAN BE 12. LOCATE EARTHEN-MATERIAL STOCK PILE AREAS AT LEAST 50 FEET AWAY FROM STORM DRAIN INLETS AND SURFACE WATERS UNLESS IT

14. SILT FENCE SHALL BE INSTALLED AT LEAST 10 FEET OFF THE TOE OF ALL FILL SLOPES GREATER THAN 10 FEET IN HEIGHT.

15 STOCKPILES SHOULD BE SEEDED AND STRAWED ACCORDING TO THE STABILIZATION TIMEERAME ON THIS SHEET TEMPORARY DIVERSION DITCHES ARE TO BE GRADED TO ENSURE FLOWS MATCH CALCULATIONS 17. TEMPORARY SWALES TO BE INSTALLED AS NEEDED TO DIRECT FLOW TO PROPER BASIN.

18. OFF-SITE BORROW AND WASTE REQUIRED FOR THIS PROJECT MUST COME FROM A SITE WITH AN APPROVED EROSION CONTROL PLAN, A SITE REGULATED UNDER THE MINING ACT OF 1971, OR A LANDFILL REGULATED BY THE DIVISION OF SOLID WASTE MANAGEMENT. TRASH/DEBRIS FROM DEMOLITION ACTIVITIES MUST BE DISPOSED OF AT A FACILITY REGULATED BY THE DIVISION OF SOLID WASTE

19. NCDEQ EROSION AND SEDIMENTATION CONTROL SELF INSPECTION FORM SHALL BE COMPLETED AFTER THE FOLLOWING PHASES OF CONSTRUCTION: INSTALLATION OF PERIMETER EROSION AND SEDIMENT CONTROL MEASURES. CLEARING AND GRUBBING OF EXISTING GROUND COVER, COMPLETION OF CONSTRUCTION OR DEVELOPMENT, AND ESTABLISHMENT OF PERMANENT GROUND COVER SUFFICIENT TO RESTRAIN EROSION. ALL INSPECTION FORMS AND SUPPORTING DOCUMENTATION SHALL BE AVAILABLE ON SITE. THE COMBINED SELF-INSPECTION FORM CAN BE FOUND AT HTTPS://DEQ.NC.GOV/ABOUT/DIVISIONS/ENERGY-MINERAL-LAND-RESOURCES/

20. ALL EROSION CONTROL DEVICES SHALL BE CONSTRUCTED AND MAINTAINED IN ACCORDANCE WITH THE MOST CURRENT NCDENR AND 21. ALL DRAINAGE STRUCTURES AND PIPE SHALL CONFORM TO NCDOT STANDARDS AND SPECIFICATIONS. EROSION CONTROL MEASURES SHALL BE REMOVED AT PROJECT COMPLETION WHEN DEEMED NO LONGER NECESSARY BY THE ENGINEER ALL GRADED AREAS NOT

UNDER PAVEMENT AND WITHIN THE RIGHT-OF-WAY OR EASEMENTS SHALL BE PREPARED, FERTILIZED AND LIMED, SEEDED, AND MULCHED 22. IF REQUIRED BY THE TOWN, COMPACTION TESTS SHALL BE MADE BY AN INDEPENDENT TESTING LAB AT OWNER'S EXPENSE. 23. THE CONTRACTOR SHALL DILIGENTLY AND CONTINUOUSLY MAINTAIN ALL EROSION CONTROL DEVICES AND STRUCTURES TO MINIMIZE EROSION. THE CONTRACTOR SHALL SCHEDULE INSPECTIONS WITH THE TOWN OF WEDDINGTON'S INSPECTOR SO THAT PERIODIC

24. ANY VARIATIONS FROM THE APPROVED EROSION CONTROL PLANS THAT ARE DISCUSSED VERBALLY IN THE FIELD BY STATE/LOCAL INSPECTORS OR DESIGN ENGINEER ARE REQUIRED TO BE APPROVED IN WRITING BY THE INSPECTOR AND DISTRIBUTED TO THE DESIGN ENGINEER BEFORE IMPLEMENTATION OF THE CHANGES. THIS COORDINATION FOR FORMAL APPROVAL IS SOLELY THE RESPONSIBILITY OF 25. EROSION AND SEDIMENT CONTROL (E&SC) PERMIT AND A CERTIFICATE OF COVERAGE (COC) MUST BE OBTAINED BEFORE ANY LAND

DISTURBING ACTIVITIES OCCUR. THE COC CAN BE OBTAINED BY FILLING OUT THE ELECTRONIC NOTICE OF INTENT (E-NOI) FORM AT DEQ.NC.GOV/NCG01. PLEASE NOTE, THE E-NOI FORM MAY BE 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 26. WHEN THE PROJECT IS COMPLETE, THE PERMITTEES SHALL CONTACT DEMLR TO CLOSE OUT THE E&SC PLAN. AFTER DEMLR INFORMS

THE PERMITTEE OF THE PROJECT CLOSE OUT, VIA INSPECTION REPORT, THE PERMITTEE SHALL VISIT DEQ.NC.GOV/NCG01 TO SUBMIT AN ELECTRONIC NOTICE OF TERMINATION (E-NOT). A \$100 ANNUAL GENERAL PERMIT FEE WILL BE CHARGED UNTIL THE E-NOT HAS BEEN 27. ANY CONSTRUCTION ACTIVITIES THAT HAVE AN ES&C PLAN APPROVED ON OR AFTER APRIL 1, 2019 ARE REQUIRED TO FILL OUT AND

SUBMIT AN ELECTRONIC NOTICE OF INTENT (E-NOI) FORM. ALL CONSTRUCTION ACTIVITIES ARE REQUIRED TO FOLLOW THE NEW NCGO1

28. A RAIN GAUGE WILL BE INSTALLED ON SITE & COPIES OF THE PLAN APPROVED BY DEMLR, PLAN APPROVAL LETTER WITH ANY MODIFICATIONS OR PERFORMANCE RESERVATIONS, ANY 401/404 DOCUMENTATION, & A MINIMUM OF THE PAST 30 DAYS OF

29. ALL E&SC MEASURES MUST BE MAINTAINED UNTIL ALL UPGRADE DRAINAGE AREAS HAVE BEEN STABILIZED WITH THE ESTABLISHMENT OF

31. ALL GROUND COVER MUST BE APPLIED PER CONDITIONS OF THE NPDES PERMIT OR IN CRITICAL AREAS, AT END OF DAY. 32. STABILIZE ALL SLOPES GREATER THAN 3:1 AND/OR GREATER THAN 10 FT WITH EROSION CONTROL MATTING.



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# **EROSION CONTROL MAINTENANCE PLAN**

- ALL SEDIMENT AND EROSION CONTROL DEVICES SHALL BE INSPECTED EVERY SEVEN (7) DAYS OR AFTER EACH RAINFALL OC THAT EXCEEDS ONE (1.0) INCH. 2. ALL EROSION CONTROL DEVICES SHALL BE PROPERLY MAINTAINED DURING ALL PHASES OF CONSTRUCTION UNTIL THE COM ALL CONSTRUCTION ACTIVITIES AND ALL DISTURBED AREAS HAVE BEEN STABILIZED. ADDITIONAL CONTROL DEVICES MAY BE
- DURING CONSTRUCTION IN ORDER TO CONTROL EROSION AND/OR OFFSITE SEDIMENTATION. ALL TEMPORARY CONTROL DE BE REMOVED ONCE CONSTRUCTION IS COMPLETE AND THE SITE IS STABILIZED.
- SEDIMENT WILL BE REMOVED FROM BEHIND THE SILT FENCE WHEN IT BECOMES ABOUT 0.5 FEET DEEP AT THE FENCE. THE S FENCE WILL BE REPAIRED OR REPLACED AS NECESSARY TO MAINTAIN A BARRIER. ALL AREAS WILL BE FERTILIZED, RESEEDED AS NECESSARY, AND MULCHED ACCORDING TO SPECIFICATIONS IN THE VEGETA MAINTAIN A VIGOROUS. DENSE VEGETATIVE COVER.
- STONE CONSTRUCTION ENTRANCE TO BE CLEANED WHEN SEDIMENT ACCUMULATIONS ARE VISIBLE OR SEDIMENT IS TRACKE PAVEMENT. THE FIRST 50' OF THE ENTRANCE ADJACENT TO THE ROAD WILL BE PERIODICALLY TOP DRESSED WITH 2 INCHES TO MAINTAIN A 6 INCH DEPTH. THE REMAINDER OF THE CONSTRUCTION ENTRANCE WILL BE CLASS A STONE. THE CONTRACT DAILY REMOVE MUD/SOIL FROM PAVEMENT, AS MAY BE REQUIRED
- CONTRACTOR SHALL TAKE ADDITIONAL STEP AS NEEDED TO ENSURE REESTABLISHMENT OF VEGETATION IS ACHIEVED IN WI AREAS ON A CASE BY CASE BASIS

# STORM DRAINAGE

- ALL WORK AND MATERIALS SHALL CONFORM TO THE LATEST EDITION OF THE NCDOT OR CMLDS STANDARD SPECIFICATION OTHERWISE SPECIFIED IN THIS MANUAL. ONLY REINFORCED CONCRETE PIPE IS ALLOWED WITH THE STREET PAVEMENT EXCEPT FOR CULVERTS EQUAL TO OR GRE
- (60) SIXTY INCHES IN DIAMETER. FOR CULVERTS EQUAL TO OR GREATER THAN (60) SIXTY INCHES, CORRUGATED STEEL OR PIPE IS ALLOWED IF IT HAS A CONCRETE POURED INVERT. MINIMUM GAUGE FOR METAL PIPE SHALL BE 14 GAUGE. ALL STORM DRAINAGE PIPE OUTSIDE THE STREET PAVEMENT SHALL BE REINFORCED CONCRETE PIPE, NO OTHER TYPE OF BE USED WITHOUT PRIOR APPROVAL FROM THE CITY/COUNTY ENGINEER. ALL PIPES SHALL BE LAID WITH THE BELL OR GR UPGRADE AND THE JOINT ENTIRELY INTERLOCKING
- ALL CONCRETE SHALL BE 3600 PSI. IN ORDER TO USE PRE-CAST STORM DRAINAGE STRUCTURES IN ANY STREET RIGHTS-0 PRIOR APPROVAL SHALL BE OBTAINED FROM THE CITY/COUNTY ENGINEER.
- ALL HIGH-DENSITY POLYETHYLENE PIPE SHALL BE CORRUGATED EXTERIOR/SMOOTH INTERIOR, CONFORM TO THE REQUIRI AASHTO SPECIFICATION M294 FOR CORRUGATED POLYETHYLENE PIPE AND SHALL REQUIRE COUPLING BANDS AND FITTING CONCRETE PIPE USED WITHIN THE STREET RIGHT-OF-WAY SHALL BE A MINIMUM OF CLASS III REINFORCED CONCRETE PIPE
- MINIMUM DIAMETER OF FIFTEEN (15) INCHES (EIGHTEEN (18) INCHES MINIMUM ON CROSS DRAIN CULVERTS WITHIN THE COL THE MINIMUM COVER FOR ALL PIPE IS TWO (2) FEET. SPECIAL APPLICATIONS FOR LESS THAN TWO (2) FEET OF COVER WILL REVIEWED INDIVIDUALLY CONCRETE MORTAR JOINTS SHALL BE USED FOR JOINING ALL CONCRETE PIPES. THE PIPE SHALL BE CLEAN AND MOIST WH
- IS APPLIED. THE LOWER PORTIONS OF THE BELL OR GROOVE SHALL BE FILLED WITH MORTAR SUFFICIENT TO BRING THE II SURFACE FLUSH AND EVEN WHEN THE NEXT JOINT IS FITTED INTO PLACE. THE REMAINDER OF THE JOINT SHALL THEN BE MORTAR AND A BEAD OR RING OF MORTAR FORMED AROUND THE OUTSIDE OF THE JOINT. THE APPLICATION OF MORTAR MAY BE DELAYED UNTIL FILL IS COMPLETED WHEN THE PIPE IS LARGER THAN THIRTY (30) INCHES. PREFORMED JOINT SEALER. WHICH CONFORMS TO AASHTO SPECIFICATION M-198 FOR TYPE B FLEXIBLE PLASTIC GASKETS. MAY BE
- USED IN LIEU OF THE MORTAR JOINING METHOD COUPLING BANDS AND FITTINGS SHALL BE USED FOR JOINING ALL HDPE PIPE. COUPLING BANDS SHALL COVER AT LEAST ONE FULL CORRUGATION ON EACH SECTION OF PIPE, GASKET COUPLING BANDS ARE REQUIRED BETWEEN ALL PIPE JOINTS. THE GASKET SHALL BE MADE OF CLOSED-CELL SYNTHETIC EXPANDED RUBBER MEETING THE REQUIREMENTS OF ASTM D1056, TYPE 2, THE PIPE MANUFACTURER SHALL INSTALL GASKETS ON THE COUPLING BAND. ALL COUPLING BANDS SHALL MEET OR EXCEED THE SOIL-TIGHTNESS REQUIREMENT OF AASHTO STANDARD SPECIFICATION FOR HIGHWAY BRIDGES, SECTION 23, PARAGRAPH 23.1.5.4(E). PIPE FITTINGS SHALL CONFORM TO AASHTO M252 OR AASHTO M294.
- THE INTERIOR SURFACES OF ALL STORM DRAINAGE STRUCTURES SHALL BE POINTED UP AND SMOOTHED TO AN ACCEPTABLE STANDARD USING MORTAR MIXED TO MANUFACTURER'S SPECIFICATIONS.
- ALL PIPES IN STORM DRAIN STRUCTURES SHALL BE FLUSH WITH THE INSIDE WALL. ANY STORM DRAIN STRUCTURES OVER THREE (3) FEET AND SIX (6) INCHES IN HEIGHT MUST HAVE STEPS IN ACCORDANCE WITH STANDARD DETAILS SET FORTH IN THIS MANUAL
- ALL FRAMES, GRATES, RINGS, COVERS, ETC., MUST CONFORM TO THE STANDARDS SET FORTH IN THE CMLDS MANUAL OR NCDOT STANDARDS
- ALL GRADED CREEK BANKS AND SLOPES SHALL BE AT A MAXIMUM OF TWO (2) FEET HORIZONTAL TO ONE (1) FOOT VERTICAL (2:1) AND NOT TO EXCEED 10' WITHOUT TERRACING
- ALL BACKFILL SHALL BE NON-PLASTIC IN NATURE, FREE FROM ROOTS, VEGETATIVE MATTER, WASTE, CONSTRUCTION MATERIAL OR OTHER OBJECTIONABLE MATERIAL. SAID MATERIAL SHALL BE CAPABLE OF BEING COMPACTED BY MECHANICAL MEANS AND SHALL HAVE NO TENDENCY TO FLOW OR BEHAVE IN A PLASTIC MANNER UNDER THE TAMPING BLOWS OR PROOF ROLLING MATERIALS DEEMED BY THE ENGINEER AS UNSUITABLE FOR BACKFILL PURPOSES SHALL BE REMOVED AND REPLACED WITH SELECT
- **BACKFILL MATERIAL** BACKFILLING OF TRENCHES SHALL BE ACCOMPLISHED IMMEDIATELY AFTER THE PIPE IS LAID. THE FILL AROUND THE PIPE SHALL BE PLACED IN LAYERS NOT TO EXCEED EIGHT (8)INCHES, EACH LAYER SHALL BE THOROUGHLY COMPACTED TO 95% OF THE MAXIMUM DENSITY OBTAINABLE WITH THE STANDARD PROCTOR TEST (A DENSITY OF 100% STANDARD PROCTOR IS REQUIRED FOR THE TOP
- EIGHT (8) INCHES). COMPACTION REQUIREMENTS SHALL BE ATTAINED BY THE USE OF MECHANICAL COMPACTION METHODS. EACH LAYER OF BACKFILL
- SHALL BE PLACED LOOSE AND THOROUGHLY COMPACTED IN PLACE. UNDER NO CIRCUMSTANCES SHALL WATER BE PERMITTED TO RISE IN UNBACKFILLED TRENCHES AFTER THE PIPE HAS BEEN PLACED. SUBSURFACE DRAINAGE FACILITIES MAY BE REQUIRED IN THE STREET RIGHT OF WAY IF DEEMED NECESSARY BY THE INSPECTOR.
- THE PURPOSE OF THE STORM DRAINAGE EASEMENT (SDE) IS TO PROVIDE STORM WATER CONVEYANCE AND ANY STRUCTURES AND/OR OBSTRUCTION TO STORM WATER FLOW IS PROHIBITED. HIGH-DENSITY POLYETHYLENE (HDPE) STORM DRAINAGE PIPE INSTALLED WITHIN EXISTING OR PROPOSED PUBLIC STREET
- RIGHT-OF-WAY MUST BE APPROVED BY THE CITY'S INSPECTOR PRIOR TO ANY BACKFILL BEING PLACED. BACKFILL MATERIAL MUST BE APPROVED BY THE CITY INSPECTOR PRIOR TO PLACEMENT OF THE MATERIAL WITHIN THE PUBLIC STREET RIGHT- OF-WAY. "AS-BUILT" DRAWINGS AND PLANS OF THE STORM DRAINAGE SYSTEM, INCLUDING DESIGNED DITCHES, MUST BE SUBMITTED PRIOR TO FINAL SUBDIVISION INSPECTION TO THE CITY/COUNTY ENGINEERING DEPARTMENT IN ACCORDANCE WITH THE CITY/ COUNTY
- SUBDIVISION ORDINANCI THE DEVELOPER SHALL MAINTAIN EACH STREAM, CREEK OR BACKWASH CHANNEL IN AN UNOBSTRUCTED STATE AND SHALL REMOVE 25. FROM THE CHANNEL AND BANKS OF THE STREAM AL DEBRIS, LOGS, TIMBER, JUNK AND OTHER ACCUMULATIONS.

# STAKING AND MATERIALS PLAN NOTES:

- ALL DIMENSIONS ARE AT 90 DEGREES UNLESS OTHERWISE NOTED.
- CONTRACTOR SHALL ESTABLISH AND VERIFY POINT OF BEGINNING (P.O.B.) AND STAKE SITE AS INDICATED ON CONSTRUCTION DOCUMENTS PRIOR TO COMMENCEMENT OF CONSTRUCTION. NOTIFY MCKIM & CREED, INC. IMMEDIATELY OF ANY DISCREPANCIES. ALL DIMENSIONS ARE TO EDGE OF PAVEMENT. FACE OF BUILDING, OR CENTERLINE UNLESS OTHERWISE NOTED.
- ALL DETAILS SHALL BE CONSTRUCTED IN STRICT COMPLIANCE WITH SPECIFICATIONS AND CONSTRUCTION DOCUMENTS 5. STOP SIGNS SHALL BE R1-1 30"x30".



Group

	SYMBO	OLS LEGEND	
	FEATURE	EXISTING	PROPOSED
CCURRENCE	IRON PIPE FOUND (SURVEY)	Ø	
MPLETION OF	IRON ROD FOUND (SURVEY)	O	
EVICES SHALL	TELEPHONE POLE	X	
SEDIMENT	TELEPHONE MANHOLE	Ţ	
ATIVE PLAN TO	FIBER OPTIC MARKER	FO	
KED ON TO THE S OF #4 STONE	TELEPHONE PEDESTAL	Т	
CTOR SHALL	FIRE HYDRANT	-0- <i>FH</i>	<u>ک</u>
VETLAND	WATER METER	WM	æ
_	WATER VALVE	$\stackrel{\scriptstyle WV}{\boxtimes}  \boxtimes $	GV
	SS CLEAN OUT & LATERAL	© <sup>CO</sup>	<sup>co</sup> O—
NS UNLESS	DROP INLET		
EATER THAN	JUNCTION BOX		67
R ALUMINUM	LIGHT POLE	¢	<b>\$</b>
OF PIPE SHALL	ELECTRIC SERVICE	E	
OF-WAY,	UTILITY POLE	<sup>c</sup> O	С
,	GUY WIRE	7	
REMENTS OF	SIGN		<del></del>
PE, WITH A DUNTY).	ELECTRIC TRANSFORMER		Δ
	ELECTRIC CABINET		С
/HEN MORTAR	ELECTRIC PEDESTAL		Р
FILLED WITH L MAY BE			

GENE	RAL LEGEND	
FEATURE	EXISTING	PROPOSED
PARCEL LINE (PROPOSED)		
PROPERTY LINE (EXISTING/ADJOINING)	PL	-
PROJECT BOUNDARY (SITE)		
		· ·
EASEMENT (STORM DRAINAGE) EASEMENT (UTILITY)	SDE	SDE
EASEMENT (SEWER)		
EASEMENT (TEMP. CONSTRUCTION)		— TCE — TCE —
RIGHT-OF-WAY (ROAD)	R/W	R/W
BUFFER		
BUILDING SETBACK		
POND / WATER FEATURE	· ·	· ·
TOP OF BANK	— — — ТВ	-
BOTTOM OF BANK	BB	·
MAJOR TOPO CONTOUR		650
MINOR TOPO CONTOUR	— — —648— — — —	<u>648</u>
GUARDRAIL	X	X
GOANDINALE GCREEK/STREAM	· · ·	
د المعالية والمعالية و		_<· · · _<· · · _
<u>ୁ</u> ଜୁ ROAD		
TREE LINE	$\frown \frown $	$\sim$
WETLAND BOUNDARY	— WET — WET —	
OVERHEAD UTILITY	OU	
SEWAGE LINE		
SEPTIC AREA		
SEPTIC SERVICE AREA		
STORM	SD SD	
UNDERGROUND FIBER OPTIC	— FO	
UNDERGROUND GAS	GAS	
	UT	
UNDERGROUND TELEPHONE		
UNDERGROUND WATERLINE	W	
PEDESTRIAN RAILS		
SANITARY EASEMENT		
TREE SAVE AREA		
COMMON OPEN SPACE (COS)		
EXISTING FEATURE DEMOLITION		
EROSION CO	ONTROL LEGEN	D
FEATUR	E	PROPOSED
SILT FENCE		SF
TREE PROTECTION F	ENCING	TP
TREE PROTECTION/SIL	T FENCE	
LIMITS OF DISTURB	ANCE	
TEMPORARY DIVERSIC	N DITCH	• <b>←</b> TD •
CLEAN WATER DI	ГСН	CWD →
DRAINAGE ARE	A	
DRAINAGE AREA (CATCH E	BASIN / PIPE)	
TEMPORARY SILT FENC	E OUTLET	
TEMPORARY SILT FENCE OU	JTLET J-HOOK	
TEMPORARY WATTLE CH		
	-	
TEMPORARY PIPE SLOF		
ROCK CHECK DA	M	
HARDWARE CLOT GRAVEL INLET PROTECTION		
GRAVEL AND RIP I		
FILTER BERM BAS		
GRAVEL RIPRAP AF	PRON	
SPILLWAY		
GRAVEL CONSTRUCTION ENTRANCE	N	000000000000000000000000000000000000000
TREE SAVE ARE	A	
SOIL DELINEATIO	DN	CeA
TIMBER MAT		
L		



**BELLE MAR RESIDENTIAL 0 OLD MILL ROAD** 

TOWN OF WEDDINGTON, NC

**GENERAL NOTES & LEGENDS** 

MAY 2021 DATE: SCALE MCE PROJ. # 07780-0013 HORIZONTA DRAWN .IPM DESIGNED JPM DRAWING NUMBER VERTICAL: CHECKED PMN N/A PROJ. MGR. PMN REVISION STATUS:

PRELIMINARY DRAWING NOT FOR CONSTRUCTION

	SELF-INSPECTI	PART III ION, RECORDKEEPING AND REPORTING	SELF-INSPECTION, R	PART III ECORDKEEPING AND REPORTING		PART III ELF-INSPECTION, RECORDKEEPING AND REPORTING			AND MATERIALS HAN ON GENERAL PERMIT	NDLING PRACTICES FOR COMPLIANCE WITH
										this plan sheet will result in the construction
	-INSPECTION		SECTION B: RECORDKEEPING		SECTION C: REPORTI					ound Stabilization and Materials Handling rmit (Sections E and F, respectively). The
		ring normal business hours in accordance with the table or site conditions would cause the safety of the inspection	1. E&SC Plan Documentation		1. Occurrences that					diment Control plan approved by the
		inspection may be delayed until the next business day on		approved deviation shall be kept on the site. The -date throughout the coverage under this permit.		port the following occurrences:				ils and specifications shown on this sheet
		spection. In addition, when a storm event of equal to or		ASC plan shall be kept on site and available for	(a) Visible sedime	nt deposition in a stream or wetland.	may not ap	oply depending	on site conditions and	the delegated authority having jurisdiction.
		side of normal business hours, the self-inspection shall be ment of the next business day. Any time when inspections	inspection at all times during normal bu		(b) Oil spills if:		SECTION F	: GROUND STA	BILIZATION	
		he Inspection Record.	Item to Document	Documentation Requirements	• They are 25	rallons or more	SECTION E.			line time The ofference
	Frequency		(a) Each E&SC measure has been installed	Initial and date each E&SC measure on a copy	,	than 25 gallons but cannot be cleaned up within 24 hours,		ĸ	equired Ground Stabi	
ect	(during normal	Inspection records must include:	and does not significantly deviate from the	of the approved E&SC plan or complete, date		heen on surface waters (regardless of volume), or		<b>_</b>	many calendar	Timeframe variations
in gauge	business hours) Daily	Daily rainfall amounts.	locations, dimensions and relative elevation shown on the approved E&SC plan.	s and sign an inspection report that lists each E&SC measure shown on the approved E&SC		hin 100 feet of surface waters (regardless of volume).	Site Are	a Description	days after ceasing	innerrane variations
ined in vorking		If no daily rain gauge observations are made during weekend or holiday periods, and no individual-day rainfall information is		plan. This documentation is required upon the	• They are wro	in 100 feet of surface waters (regardless of volume).			land disturbance	
WOTKINS		available, record the cumulative rain measurement for those un-		initial installation of the E&SC measures or if	(c) Releases of ha	ardous substances in excess of reportable quantities under Section 311		neter dikes, es, ditches, and	-	None
ļ		attended days (and this will determine if a site inspection is needed). Days on which no rainfall occurred shall be recorded as		the E&SC measures are modified after initial installation.		ater Act (Ref: 40 CFR 110.3 and 40 CFR 117.3) or Section 102 of CERCLA		neter slopes		None
1		"zero." The permittee may use another rain-monitoring device	(b) A phase of grading has been completed.			)2.4) or G.S. 143-215.85.		-		
sc	At least once per	approved by the Division.  1. Identification of the measures inspected,	, , , , , , , , , , , , , , , , , , , ,	plan or complete, date and sign an inspection				Quality Water N) Zones	7	None
es	7 calendar days and within 24	2. Date and time of the inspection,		report to indicate completion of the	(d) Anticipated by	passes and unanticipated bypasses.		,		If slopes are 10' or less in length and are
1	hours of a rain	<ol> <li>Name of the person performing the inspection,</li> <li>Indication of whether the measures were operating</li> </ol>	(-) Cound outputs is located and installed	construction phase.			(c) Slope	es steeper than	7	not steeper than 2:1, 14 days are
	event ≥ 1.0 inch in 24 hours	properly, 5. Description of maintenance needs for the measure.	(c) Ground cover is located and installed in accordance with the approved E&SC	Initial and date a copy of the approved E&SC plan or complete, date and sign an inspection	(e) Noncomplianc	e with the conditions of this permit that may endanger health or the	5.1			allowed
	Lindary	6. Description, evidence, and date of corrective actions taken.	plan.	report to indicate compliance with approved	environment.					-7 days for slopes greater than 50' in
mwater ge	At least once per 7 calendar days	<ol> <li>Identification of the discharge outfalls inspected,</li> <li>Date and time of the inspection.</li> </ol>		ground cover specifications.						length and with slopes steeper than 4:1
(SDCs)	and within 24	3. Name of the person performing the inspection,	(d) The maintenance and repair requirements for all E&SC measures	Complete, date and sign an inspection report.	2. Reporting Timefra	nes and Other Requirements	(d) Slope	es 3:1 to 4:1	14	-7 days for perimeter dikes, swales, ditches, perimeter slopes and HQW
	hours of a rain event ≥ 1.0 inch in	<ol> <li>Evidence of indicators of stormwater pollution such as oil sheen, floating or suspended solids or discoloration,</li> </ol>	have been performed.			ecomes aware of an occurrence that must be reported, he shall contact				Zones
	24 hours	<ol> <li>Indication of visible sediment leaving the site,</li> <li>Description, evidence, and date of corrective actions taken.</li> </ol>	(e) Corrective actions have been taken	Initial and date a copy of the approved E&SC		vision regional office within the timeframes and in accordance with the				-10 days for Falls Lake Watershed
neter of	At least once per	If visible sedimentation is found outside site limits, then a record	to E&SC measures.	plan or complete, date and sign an inspection		s listed below. Occurrences outside normal business hours may also be partment's Environmental Emergency Center personnel at (800)				-7 days for perimeter dikes, swales,
	7 calendar days and within 24	of the following shall be made: 1. Actions taken to clean up or stabilize the sediment that has left		report to indicate the completion of the corrective action.	858-0368.		(e) Areas	s with slopes		ditches, perimeter slopes and HQW Zones
	hours of a rain	the site limits,	2. Additional Documentation to be Kept of					er than 4:1	14	-10 days for Falls Lake Watershed unless
1	event ≥ 1.0 inch in 24 hours	<ol> <li>Description, evidence, and date of corrective actions taken, and</li> <li>An explanation as to the actions taken to control future</li> </ol>		above, the following items shall be kept on the	Occurrence (a) Visible sediment	Reporting Timeframes (After Discovery) and Other Requirements     Within 24 hours, an oral or electronic notification.				there is zero slope
		releases.		nes during normal business hours, unless the	deposition in a	<ul> <li>Within 7 calendar days, a report that contains a description of the</li> </ul>				ction activities, any areas with temporary anent ground stabilization as soon as
ams or s onsite	At least once per 7 calendar days	If the stream or wetland has increased visible sedimentation or a stream has visible increased turbidity from the construction		on based on unique site conditions that make	stream or wetland	sediment and actions taken to address the cause of the deposition.	practicable	but in no case	longer than 90 calend	lar days after the last land disturbing
e	and within 24	activity, then a record of the following shall be made:	this requirement not practical:			Division staff may waive the requirement for a written report on a case-by-case basis.				e maintained in a manner to render the
le)	hours of a rain event ≥ 1.0 inch in	<ol> <li>Description, evidence and date of corrective actions taken, and</li> <li>Records of the required reports to the appropriate Division</li> </ol>	(a) This General Permit as well as the C	ertificate of Coverage, after it is received.		If the stream is named on the <u>NC 303(d) list</u> as impaired for sediment-	surface sta	ble against acc	elerated erosion until	permanent ground stabilization is achieved.
und	24 hours After each phase	Regional Office per Part III, Section C, Item (2)(a) of this permit. 1. The phase of grading (installation of perimeter E&SC				related causes, the permittee may be required to perform additional	GROUND S	TABILIZATION	SPECIFICATION	
ation	of grading	measures, clearing and grubbing, installation of storm		the previous twelve months. The permittee shall		monitoring, inspections or apply more stringent practices if staff determine that additional requirements are needed to assure compliance				not dislodge the soil. Use one of the
es		drainage facilities, completion of all land-disturbing activity, construction or redevelopment, permanent		the Inspection Record Form provided by the that includes all the required elements. Use of		with the federal or state impaired-waters conditions.		in the table be		-
		ground cover).		eu of the required paper copies will be allowed if	(b) Oil spills and release of	<ul> <li>Within 24 hours, an oral or electronic notification. The notification shall include information about the date, time, nature, volume and</li> </ul>		Temporary Stal	pilization	Permanent Stabilization
1		measures have been provided within the required	shown to provide equal access and	utility as the hard-copy records.	hazardous	location of the spill or release.		ary grass seed cov ulches and tackifi		Permanent grass seed covered with straw or other mulches and tackifiers
1		timeframe or an assurance that they will be provided as soon as possible.	3. Documentation to be Retained for Thre	e Years	substances per Item		Hydrosed			Geotextile fabrics such as permanent soil
	<u> </u>			all inspection records shall be maintained for a period	1(b)-(c) above (c) Anticipated	A report at least ten days before the date of the bypass, if possible.		rosion control pro		reinforcement matting
: The rain	inspection reset	ts the required 7 calendar day inspection requirement.	of three years after project completion a	nd made available upon request. [40 CFR 122.41]	bypasses [40 CFR	The report shall include an evaluation of the anticipated quality and		temporary grass		Hydroseeding
					122.41(m)(3)] (d) Unanticipated	effect of the bypass.  • Within 24 hours, an oral or electronic notification.	Appropri     Plastic sh	, ,,		Shrubs or other permanent plantings covered with mulch
			SECTION G, ITEM (4) ASINS FOR MAINTENANCE OR CLOSE OUT		bypasses [40 CFR	<ul> <li>Within 2 a hours, an oral of electronic notification.</li> <li>Within 7 calendar days, a report that includes an evaluation of the</li> </ul>			•	Uniform and evenly distributed ground cover
		DRAW DOWN OF SEDIMENT E	ASINS FOR MAINTENANCE OR CLOSE OUT		122.41(m)(3)]	quality and effect of the bypass.				sufficient to restrain erosion
t basins	and traps that re	eceive runoff from drainage areas of one acre or more shall (	ise outlet structures that withdraw water from	the surface when these devices need to be drawn down	(e) Noncompliance with the conditions	<ul> <li>Within 24 hours, an oral or electronic notification.</li> <li>Within 7 calendar days, a report that contains a description of the</li> </ul>				Structural methods such as concrete, asphalt or retaining walls
enance	or close out unle	ess this is infeasible. The circumstances in which it is not fea	sible to withdraw water from the surface shall		of this permit that	<ul> <li>within / calendar days, a report that contains a description of the noncompliance, and its causes; the period of noncompliance,</li> </ul>				Rolled erosion control products with grass seed
ace with	drawals from see	diment basins shall be allowed only when all of the following	g criteria have been met:		may endanger	including exact dates and times, and if the noncompliance has not			L	·
	المتعاصية المعام			interne in such in the second	health or the environment[40	been corrected, the anticipated time noncompliance is expected to continue; and steps taken or planned to reduce, eliminate, and			IS) AND FLOCCULANT	—
~ = 0 = 0		as been provided with documentation of the non-surface w the E&SC plan authority has approved these items,	ithurawai and the specific time periods or cond	nions in which it will occur. The non-surface withdrawal	CFR 122.41{ }(7)]	prevent reoccurrence of the noncompliance. [40 CFR 122.41(I)(6).				r the soils being exposed during
		al has been reported as an anticipated bypass in accordance	with Part III Section C Item (2)(c) and (d) of th	is nermit		Division staff may waive the requirement for a written report on a				<i>List of Approved PAMS/Flocculants.</i> o Erosion and Sediment Control Measures.
all not co		treated with controls to minimize discharges of pollutants fi				case-by-case basis.		-		pecified in the NC DWR List of Approved
all not co ne non-su						·				the manufacturer's instructions.
all not co ne non-su ewatering		nd maintained dewatering tanks, weir tanks, and filtration sy	stems,		1		4. Provi	-		treated Stormwater before discharging
nall not co ne non-su ewatering operly sit	ted, designed an	nd maintained dewatering tanks, weir tanks, and filtration sy f the sites or a properly designed stone pad is used to the ex		atment devices described in Item (c) above,						
all not co e non-su watering operly sit getated, locity dis	ted, designed an , upland areas of ssipation devices	f the sites or a properly designed stone pad is used to the ex s such as check dams, sediment traps, and riprap are provide	tent feasible at the outlet of the dewatering tre ed at the discharge points of all dewatering dev	ices, and		NORTH CAROLINA	offsit			
all not co ne non-su watering operly sit getated, clocity dis	ted, designed an , upland areas of ssipation devices	f the sites or a properly designed stone pad is used to the ex	tent feasible at the outlet of the dewatering tre ed at the discharge points of all dewatering dev	ices, and		NORTH CAROLINA Environmental Quality	5. Store	e flocculants in		that are kept under storm-resistant cover
all not co ne non-su watering operly sit getated, clocity dis	ted, designed an , upland areas of ssipation devices	f the sites or a properly designed stone pad is used to the ex s such as check dams, sediment traps, and riprap are provide	tent feasible at the outlet of the dewatering tre ed at the discharge points of all dewatering dev	ices, and		NORTH CAROLINA Environmental Quality	5. Store	e flocculants in	leak-proof containers econdary containmen	
all not co ne non-su ewatering operly sit egetated, elocity dis	ted, designed an , upland areas of ssipation devices	f the sites or a properly designed stone pad is used to the ex s such as check dams, sediment traps, and riprap are provide ne dewatering treatment devices described in Item (c) above	tent feasible at the outlet of the dewatering tre ed at the discharge points of all dewatering dev is disposed of in a manner that does not cause	ices, and deposition of sediment into waters of the United States.		Environmental Quality	5. Store	e flocculants in	econdary containmen	t structures.
nall not co ne non-su ewatering operly sit egetated, elocity dis	ted, designed an , upland areas of ssipation devices	f the sites or a properly designed stone pad is used to the ex s such as check dams, sediment traps, and riprap are provide ne dewatering treatment devices described in Item (c) above	tent feasible at the outlet of the dewatering tre ed at the discharge points of all dewatering dev is disposed of in a manner that does not cause	ices, and		Environmental Quality	5. Store	e flocculants in	econdary containmen	
nall not co ne non-su ewatering operly sit egetated, elocity dis	ted, designed an , upland areas of ssipation devices	f the sites or a properly designed stone pad is used to the ex s such as check dams, sediment traps, and riprap are provide ne dewatering treatment devices described in Item (c) above	tent feasible at the outlet of the dewatering tre ed at the discharge points of all dewatering dev is disposed of in a manner that does not cause	ices, and deposition of sediment into waters of the United States.		Environmental Quality	5. Store	e flocculants in	econdary containmen	t structures.
hall not co he non-su ewatering roperly sit egetated, elocity dis ediment r	ted, designed an , upland areas of ssipation devices removed from th	f the sites or a properly designed stone pad is used to the ex s such as check dams, sediment traps, and riprap are provide ne dewatering treatment devices described in Item (c) above	tent feasible at the outlet of the dewatering tre ed at the discharge points of all dewatering dev is disposed of in a manner that does not cause	deposition of sediment into waters of the United States.	PORTING	Environmental Quality	5. Store or su	e flocculants in urrounded by so	econdary containmen	t structures.
BEC	ted, designed an , upland areas of ssipation devices removed from th	f the sites or a properly designed stone pad is used to the ex s such as check dams, sediment traps, and riprap are provide ne dewatering treatment devices described in Item (c) above NCG01 SELF-INS	tent feasible at the outlet of the dewatering tree ed at the discharge points of all dewatering dev is disposed of in a manner that does not cause PECTION, RECOR	deposition of sediment into waters of the United States.		EFFECTIVE: 04/01/19 PECIFICATION (CONTINUED):	5. Store or su	e flocculants in urrounded by so	econdary containmen	t structures.
BEC COMPAC	ted, designed an , upland areas of ssipation devices removed from th	f the sites or a properly designed stone pad is used to the ex s such as check dams, sediment traps, and riprap are provide the dewatering treatment devices described in Item (c) above NCG01 SELF-INS ARATION:	tent feasible at the outlet of the dewatering tree ed at the discharge points of all dewatering dev is disposed of in a manner that does not cause PECTION, RECOR	aces, and deposition of sediment into waters of the United States. DKEEPING AND RE TEMPORARY S		EFFECTIVE: 04/01/19 PECIFICATION (CONTINUED):	DERMANEN         3:1 SLOPES OR FLATTER:         1.	T SEEI	econdary containmen N DING SPE	t structures. CG01 GROUND S CIFICATION: 1000 S.F.
BEC COMPAC ENTIRE	ted, designed an , upland areas of ssipation devices removed from th DPREP/ DTED AREAS AN AREA TO 6 INCH	f the sites or a properly designed stone pad is used to the ex s such as check dams, sediment traps, and riprap are provide the dewatering treatment devices described in Item (c) above NCG01 SELF-INS ARATION:	tent feasible at the outlet of the dewatering tree ed at the discharge points of all dewatering dev is disposed of in a manner that does not cause <b>PECTION, RECOR</b>	Adeposition of sediment into waters of the United States. <b>DKEEPING AND RE</b> <b>TEMPORARY S</b> <u>TEMPORARY SEEDING RECOMME</u>	DORTING	EFFECTIVE: 04/01/19 PECIFICATION (CONTINUED):	DERMANEN         3:1 SLOPES OR FLATTER:         1.       APPLY AGRICULTUR         2.       APPLY COMMERCIA	T SEEI	ECONDARY CONTAINMENT N DING SPE HE RATE OF **75 LBS/ AT THE RATE OF 48 L	t structures.

- 5. MULCH IMMEDIATELY AFTER SEEDING AND ANCHOR MULCH.
- 6 INSPECT ALL SEEDED AREAS AND MAKE NECESSARY REPAIRS OR RESEDINGS WITHIN THE PLANTING SEASON IF POSSIBLE IF
- STAND SHOULD BE OVER 60% DAMAGED, REESTABLISH FOLLOWING ORIGINAL LIME, FERTILIZER AND SEEDING RATES. 7. CONSULT CONSERVATION INSPECTOR ON MAINTENANCE TREATMENT AND FERTILIZATION AFTER PERMANENT COVER IS

## PERMANENT SEEDING NOTES:

ESTABLISHED.

- PERMANENT SEEDING, SODDING, OR OTHER MEANS OF STABILIZATION ARE REQUIRED WHEN ALL CONSTRUCTION WORK IS COMPLETED ACCORDING TO THE "SEEDING STABILIZATION TIMEFRAMES" CHART
- A NORTH CAROLINA DEPARTMENT OF AGRICULTURE SOILS TEST (OR EQUAL) SHOULD BE OBTAINED FOR ALL AREAS TO BE SEEDED,
- SPRIGGED, SODDED OR PLANTED. RECOMMENDED FERTILIZER AND pH ADJUSTING PRODUCTS SHOULD BE INCORPORATED TO THE SOIL. USE A SEEDING MIX OF NON-INVASIVE, NATIVE SPECIES THAT WILL EVENTUALLY PROVIDE A PERMANENT GROUNDCOVER. IMMEDIATE VEGETATIVE COVER WILL ALWAYS REQUIRE ADDITIONAL FERTILIZATION, SOIL TESTS, OVERSEEDING AND MAINTENANCE UNTIL PERMANENT VEGETATIVE COVER IS ESTABLISHED.

## **TEMPORARY SEEDING SPECIFICATION:**

TEMPORARY SEEDING RECOMMENDATI	ONS FOR LATE WINTER AND EARLY SPRING	
SEEDING MIXTURE	RATE (LB/AC)	
RYE (GRAIN)	120	
ANNUAL LESPEDEZA (KOBE IN PIEDMONT AND COASTAL PLAIN, KOREAN IN MOUNTAINS)	50	
OMIT ANNUAL LESPEDEZA WHEN DURA	TION OF TEMPORARY COVER IS NOT TO EXTEND BEYOND JUNE.	
SEEDING DATES: MOUNTAINS - ABOVE 2500 FEET, FEB. 15 BELOW 2500 FEET, FEB. 1 PIEDMONT - JAN. 1 - MAY 1 COASTAL PLAIN - DEC. 1 - APR. 15		
SOIL AMENDMENTS: FOLLOW RECOMMENDATIONS OF SOIL 1 AGRICULTURAL LIMESTONE AND 750 LB	TESTS OR APPLY A MINIMUM OF 2 TONS/ACRE (3 TONS/ACRE IN CLAY SOILS) G /ACRE 10-10-10 FERTILIZER.	ROUND
MULCH: APPLY 4,000 LB/ACRE STRAW. ANCHOR BLADES SET NEARLY STRAIGHT CAN BE	STRAW BY TACKING WITH ASPHALT, NETTING, OR A MULCH ANCHORING TOC USED AS A MULCH ANCHORING TOOL.	)L. A DISK WITH
MAINTENANCE: RE-FERTILIZE IF GROWTH IS NOT FULLY OTHER DAMAGE.	ADEQUATE. RESEED, RE-FERTILIZE AND MULCH IMMEDIATELY FOLLOWING E	ROSION OR
		<u> </u>
ADDRESSED COMMENTS FROM UCPW		01/03/2022
ADDRESSED COMMENTS FROM UCPW		11/19/2021
ADDRESSED COMMENTS FROM UCPW		10/14/2021
ADDRESSED COMMENTS FROM NCDEQ POST-CON	ISTRUCTION STORMWATER	10/11/2021



REVISIONS

DESCRIPTIONS

I:\07780\0013\PDNR\80-DWG\86-DESIGN\PLAN SHEETS\C1.1 NOTES.DWG ---- 01/03/2022 15:57:07

B ADDRESSED COMMENTS FROM TOWN OF WEDDINGTON AND NCDEQ

A ADDRESSED COMMENTS FROM TOWN OF WEDDINGTON AND NCDOT

REV.NO.

#### SEEDING DATES MOUNTAINS - MAY 15 - AUG. 15 PIEDMONT - MAY 1 - AUG. 15

COASTAL PLAIN - APR. 15 - AUG. 15 SOIL AMENDMENTS:

AGRICULTURAL LIMESTONE AND 750 LB/ACRE 10-10-10 FERTILIZER.

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

MAINTENANCE:

TEMPORARY SEEDING RECOMMENDATIONS FOR FALL

SEEDING MIXTURE

09/10/2021

08/04/2021

DATE

MOUNTAINS - AUG. 15 - DEC. 15 COASTAL PLAIN AND PIEDMONT - AUG. 15 - DEC. 30

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

MAINTENANCE

OTHER DAMAGE.

RYE (GRAIN) SEEDING DATES:

SOIL AMENDMENTS: FOLLOW RECOMMENDATIONS OF SOIL TESTS OR APPLY A MINIMUM OF 2 TONS/ACRE (3 TONS/ACRE IN CLAY SOILS) GROUND AGRICULTURAL LIMESTONE AND 750 LB/ACRE 10-10-10 FERTILIZER.

FOLLOW RECOMMENDATIONS OF SOIL TESTS OR APPLY A MINIMUM OF 2 TONS/ACRE (3 TONS/ACRE IN CLAY SOILS) GROUND

RE-FERTILIZE IF GROWTH IS NOT FULLY ADEQUATE. RESEED, RE-FERTILIZE AND MULCH IMMEDIATELY FOLLOWING EROSION OR

RATE (LB/AC) 120

REPAIR AND RE-FERTILIZE 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) OR KOREAN (MOUNTAINS) LESPEDEZA IN LATE FEBRUARY OR EARLY MARCH.

AUG. 15 - NOV. 1 NOV. 1 - MAR. 1 MAR. 1 - APR. 15

APR. 15 - JUL. 30

JUL. 1 - AUG. 15

TALL FESCUE AND ABRUZZI RYF TALL FESCUE HULLED COMMON BERMUDA GRASS TALL FESCUE AND BROWN TOP MILLET OR SORGHUM SUDAN

TALL FESCUE

RYE GRAIN

300 LBS/AC OR 7 LBS/1000 S.F. 120 LBS/AC OR 3 LBS/1000 S.F. 300 LBS/AC OR 7 LBS/1000 S.F. 25 LBS/AC OR 1/2 LB/1000 S.F. 300 LBS/AC OR 7 LBS/1000 S.F. 25 LBS/AC OR 1/2 LB/1000 S.F. 300 LBS/AC OR 7 LBS/1000 S.F. 35 LBS/AC OR 3/4 LB/1000 S.F.

30 LBS/AC OR 3/4 LB/1000 S.F.

4. MULCH WITH STRAW APPLIED AT THE RATE OF 95 LBS/1000 S.F.

TYPE

HYBRIDS

HEAVILY MULCHED DURING JANUARY - MARCH PERIOD. CONTRACTOR MAY OBTAIN SOIL TEST TO DETERMINE AMOUNT OF LIME REQUIRED TO OBTAIN A DH RANGE OF 6.5 TO 7.0. SEED TYPE, RATES AND/OR SOIL AMENDMENTS SPECIFIED ABOVE MAY BE MODIFIED AND/OR ELIMINATED IF REQUIRED BY OTHER LOCAL, STATE OR FEDERAL AGENCIES (EG. NRCS, NC COOPERATIVE EXTENSION OFFICE, ETC.). PRIOR TO MODIFICATIONS OR ELIMINATIONS, CONTRACTOR SHALL SUBMIT WRITTEN DOCUMENTATION SUPPORTING THE REQUEST FOR APPROVAL PRIOR TO MAKING MODIFICATION

**SLOPES GREATER THAN 3:1** 

- APPLY AGRICULTURAL LIME AT A RATE OF \*\*90 LBS/1000 S.F. APPLY COMMERCIAL FERTILIZER AT THE RATE OF 48 LBS/1000 S.F. FOR 5-10-10 FERTILIZER, 24 LBS/1000 S.F. FOR 10-20-20 FERTILIZER, OR 20 LBS/1000 S.F. FOR 18-24-6 FERTILIZER. 3. SEED IN ACCORDANCE WITH THE FOLLOWING SCHEDULE AND APPLICATION RATES:
- DATE: MAR. - JUN. 1

MAR. - APR. 1

JUN. - SEPT. 1\*\*\*

SEPT. - MAR. 1

RYE GRAIN (SCARIFIED) AND ADD TALL FESCUE TALL FESCUE AND BROWN TOP MILLE OR SORGHUM SUDAN HYBRIDS SERICEA LESPEDEZA

MILLET OR SUDAN

SERICEA LESPEDEZA

150 LBS/AC OR 3 1/2 LBS/1000 S.F. 120 LBS/AC OR 2 1/2 LBS/1000 S.F. 35 LBS/AC OR 3/4 LB/1000 S.F. 30 LBS/AC OR 3/4 LB/1000 S.F. 70 LBS/AC OR 1 3/4 LBS/1000 S.F. (UNHULLED - UNSCARIFIED) TALL FESCUE

120 LBS/AC OR 2 1/2 LBS/1000 S.F. 20 LBS/AC OR 1/2 LB/1000 S.F.

50 LBS/AC OR 1 1/2 LBS/1000 S.F.

25 LBS/AC OR 3/4 LBS/1000 S.F.

PLANTING RATE:

4. MULCH APPLIED AT THE RATE OF 95 LBS/1000 S.F. AND ANCHOR WITH ASPHALT EMULSION TACK COAT APPLIED AT THE RATE OF 10-15 GAL/1000 S.F. OR 450 GAL/AC.

TEMPORARY RESEED SEPT. 1 AT RECOMMENDED RATES.

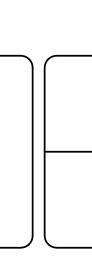
\*\* CONTRACTOR MAY OBTAIN SOIL TEST TO DETERMINE AMOUNT OF LIME REQUIRED TO OBTAIN A pH RANGE OF 6.5 TO 7.0. SEED TYPE, RATES AND/OR SOIL AMENDMANTS SPECIFIED ABOVE MAY BE MODIFIED AND/OR ELIMINATED IF REQUIRED BY OTHER LOCAL, STATE OR FEDERAL AGENCIES (EG. NRCS, NC COOPERATIVE EXTENSION OFFICE, ETC.). PRIOR TO MODIFICATIONS OR ELIMINATIONS, CONTRACTOR SHALL SUBMIT WRITTEN DOCUMENTATION SUPPORTING THE REQUEST FOR APPROVAL PRIOR TO MAKING MODIFICATION.

# SMCKIM&CREED

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www.mckimcreed.com





#### ENT AND VEHICLE MAINTENANCE aintain vehicles and equipment to prevent discharge of fluids. rovide drip pans under any stored equipment. entify leaks and repair as soon as feasible, or remove leaking equipment from the ellect all spent fluids, store in separate containers and properly dispose as azardous waste (recycle when possible). emove leaking vehicles and construction equipment from service until the problem s been corrected. ring used fuels, lubricants, coolants, hydraulic fluids and other petroleum products a recycling or disposal center that handles these materials. UILDING MATERIAL AND LAND CLEARING WASTE ver bury or burn waste. Place litter and debris in approved waste containers. ovide a sufficient number and size of waste containers (e.g dumpster, trash ceptacle) on site to contain construction and domestic wastes. cate waste containers at least 50 feet away from storm drain inlets and surface aters unless no other alternatives are reasonably available. cate waste containers on areas that do not receive substantial amounts of runoff m upland areas and does not drain directly to a storm drain, stream or wetland. over waste containers at the end of each workday and before storm events or ovide secondary containment. Repair or replace damaged waste containers. nchor all lightweight items in waste containers during times of high winds. npty waste containers as needed to prevent overflow. Clean up immediately if ntainers overflow. pose waste off-site at an approved disposal facility. business days, clean up and dispose of waste in designated waste containers.

## ND OTHER LIQUID WASTE

o not dump paint and other liquid waste into storm drains, streams or wetlands. cate paint washouts at least 50 feet away from storm drain inlets and surface aters unless no other alternatives are reasonably available.

ontain liquid wastes in a controlled area. ontainment must be labeled, sized and placed appropriately for the needs of site. event the discharge of soaps, solvents, detergents and other liquid wastes from nstruction sites.

#### E TOILETS

stall portable toilets on level ground, at least 50 feet away from storm drains, eams or wetlands unless there is no alternative reasonably available. If 50 foot fset is not attainable, provide relocation of portable toilet behind silt fence or place a gravel pad and surround with sand bags. ovide staking or anchoring of portable toilets during periods of high winds or in high

ot traffic areas. ponitor portable toilets for leaking and properly dispose of any leaked material. tilize a licensed sanitary waste hauler to remove leaking portable toilets and replace th properly operating unit.

## STOCKPILE MANAGEMENT

ow stockpile locations on plans. Locate earthen-material stockpile areas at least feet away from storm drain inlets, sediment basins, perimeter sediment controls d surface waters unless it can be shown no other alternatives are reasonably

otect stockpile with silt fence installed along toe of slope with a minimum offset of e feet from the toe of stockpile. ovide stable stone access point when feasible.

abilize stockpile within the timeframes provided on this sheet and in accordance ith the approved plan and any additional requirements. Soil stabilization is defined vegetative, physical or chemical coverage techniques that will restrain accelerated osion on disturbed soils for temporary or permanent control needs.

> NORTH CAROLINA 💋 Environmental Quality

LIZATION AND MATERIALS HANDLING

WETLAND	/ RIPARIAN SEE	DING SPECIF	FICATION:

Botanical Name	Common Name	% Mix
Panicum rigidulum	Red-top panicgrass	20
Schizachyrium scoparium	Camper little blue stem	20
Coreopsis lanceolata	Lance-leaved coreopsis	10
Rudbeckia hirta	Black-eyed susan	10
Chamaecrista fasiculata	Partridge pea	5
Panicum anceps	Beaked panicgrass	5
Chasmanthium latifolium	River oats	3
Dichanthelium clandestinum	Deer tongue	3
Elymus virginicus	Virginia wild rye	3
Helenium autumnale	Common sneezeweed	3
Helianthus angustifolius	Swamp sunflower	3
Parthenium integrifolium	Wild quinine	3
Penstemon laevigatus	Appalachian beardtongue	3
Tridens flavus	Purple top	3
Monarda punctata	Spotted beebalm	2
Vernonia noveboracencis	Ironweed	2
Agrostis perennans	Upland bentgrass	1
Bidens aristosa	Tickseed sunflower	1

<u>NOTES:</u> 1. THE LIST SHOWN ABOVE PROVIDES A SEEDING MIX CONTRACTORS CAN USE IF WETLANDS OR RIPARIAN BUFFERS ARE DISTURBED DURING CONSTRUCTION

RESOURCES SHOWN HEREIN REPRESENT THE ENGINEERS BEST EFFORT TO PROVIDE AN ADEQUATE SOLUTION. HOWEVER, CONTRACTOR SHALL REFER TO THE APPROVED 401/404 PERMITS TO ENSURE ALL REQUIREMENTS ARE ADHERED TO DURING CONSTRUCTION.

3. CONTRACTOR SHALL NOT IMPACT ANY WETLANDS OR STREAMS OUTSIDE THE 401/404 PERMIT.

# **BELLE MAR RESIDENTIAL** 0 OLD N TOWN OF WE

NCDEQ NOTES

MILL ROAD	
EDDINGTON, NC	

DATE:	MAY 2021	SCALE	
MCE PROJ. #	07780-0013		
DRAWN	JPM	HORIZONTAL:	
DESIGNED	JPM	N/A	
CHECKED	PMN	VERTICAL:	
PROJ. MGR.	PMN	N/A	
		$\square$	

STATUS:



C1.2

DRAWING NUMBE

REVISION

ABOVE GRADE WASHOUT STRUCTURE CONCRETE WASHOUTS

NAL LOCATION DETERMINED IN FL

2. THE CONCRETE VASHOUT STRUCTURES SHALL BE MAINTAINED WHEN THE LIQUID AND/OR SOLID REACHES 75% OF THE STRUCTURES

S.CONCRETE VASHOUT STRUCTURE NEEDS TO BE CLEARY NARKED VITH SIGNAGE NOTING DEVICE.

CLEARLY MARKED SIGNAGE

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

3.CONCRETE VASHOUT STRUCTURE NEEDS TO BE CLEARY WARKED VIT SIGNAGE NOTING DEVICE.

- 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.
- 10. At the completion of the concrete work, remove remaining leavings and dispose of in an approved disposal facility. Fill pit, if applicable, and stabilize any disturbance caused by removal of washout.

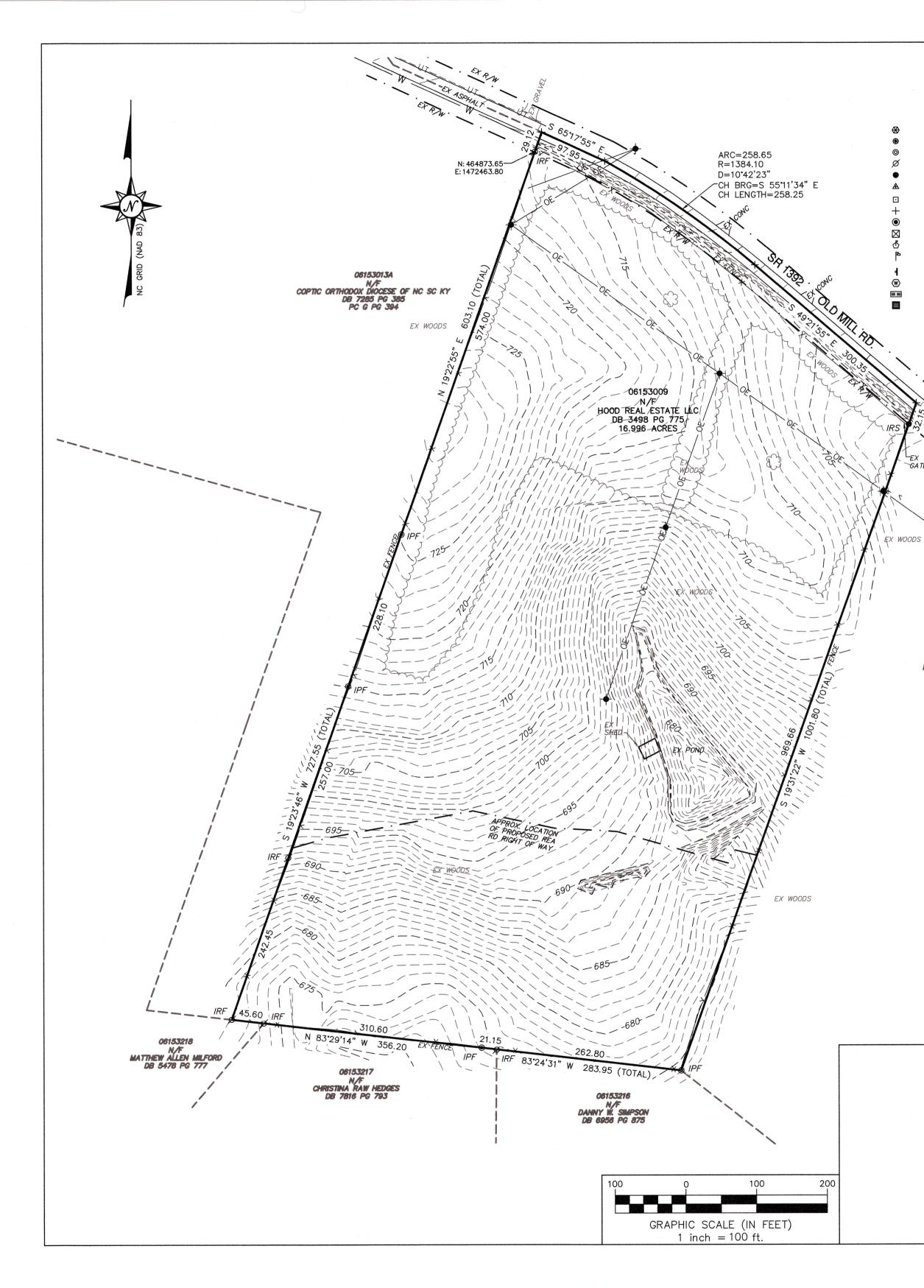
#### HERBICIDES, PESTICIDES AND RODENTICIDES

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

## HAZARDOUS AND TOXIC WASTE

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

**EFFECTIVE: 04/01/19** 



# LEGEND

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Ø	IRON PIPE FND	0
ø	IRON ROD FND	8
•	IRON ROD SET	<b>O</b>
æ	NAIL FND	≥ ww
	CONCRETE MON FND	Q
+	COMPUTED POINT	E
۲	REBAR AND CAP	•
$\boxtimes$	RIGHT OF WAY MON	-0-
đ	MAILBOX	->
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	FLAGPOLE	0-
4	SIGN	
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	CATCH BASIN	
	DROP INLET	$\diamond$

06153010 MARY N KRATT, ET AL DB 937 PG 388

STORM DRAIN MANHOLE YARD INLET CLEAN OUT SANITARY SEWER MANHOLE SEPTIC TANK WATER VALVE FIRE HYDRANT ELECTRIC BOX ELECTRIC METER GUY POLE GUY WIRE LIGHT POLE POWER AND LIGHT POLE POWER POLE

ELECTRIC TRANSFORMER

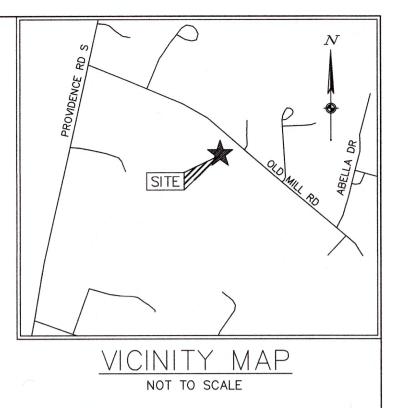
GAS METER GAS VALVE

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GAS MARKER TELEPHONE PEDESTAL TV PEDESTAL BUSH PINE TREE DECIDUOUS TREE



- ALL DISTANCES ARE HORIZONTAL GROUND IN U.S. SURVEY 1. FEET UNLESS OTHERWISE SHOWN.
- 2. BEARINGS BASED ON NORTH CAROLINA STATE PLANE COORDINATES NAD83 (2011), VERTICAL ELEVATIONS ARE BASED ON NAVD88.
- SURVEYOR HAS MADE NO INVESTIGATION OR INDEPENDENT SEARCH FOR EASEMENTS OF RECORD, ENCUMBRANCES, RESTRICTIVE COVENANTS, OWNERSHIP, TITLE EVIDENCE, OR ANY OTHER FACTS THAT AN ACCURATE AND CURRENT TITLE 3. SEARCH MAY DISCLOSE.
- UNDERGROUND UTILITIES ARE SHOWN ONLY WHERE ABOVEGROUND 4 SERVICES WERE VISIBLE.
- SUBSURFACE AND ENVIRONMENTAL CONDITIONS WERE NOT EXAMINED OR CONSIDERED AS A PART OF THIS SURVEY. NO 5. STATEMENT IS MADE CONCERNING THE EXISTENCE OF UNDERGROUND OR OVERHEAD CONTAINERS OR FACILITIES THAT MAY AFFECT THE USE OR DEVELOPMENT OF THIS TRACT.
- THE EXISTENCE OR NONEXISTENCE OF WETLANDS ON SUBJECT PROPERTY HAS NOT BEEN DETERMINED BY THIS SURVEY. 6.
- SUBJECT TO ALL EASEMENTS, RIGHT OF WAYS, AND OR 7. ENCUMBRANCES THAT MAY EFFECT THIS PROPERTY.

#### SURVEYORS CERTIFICATE

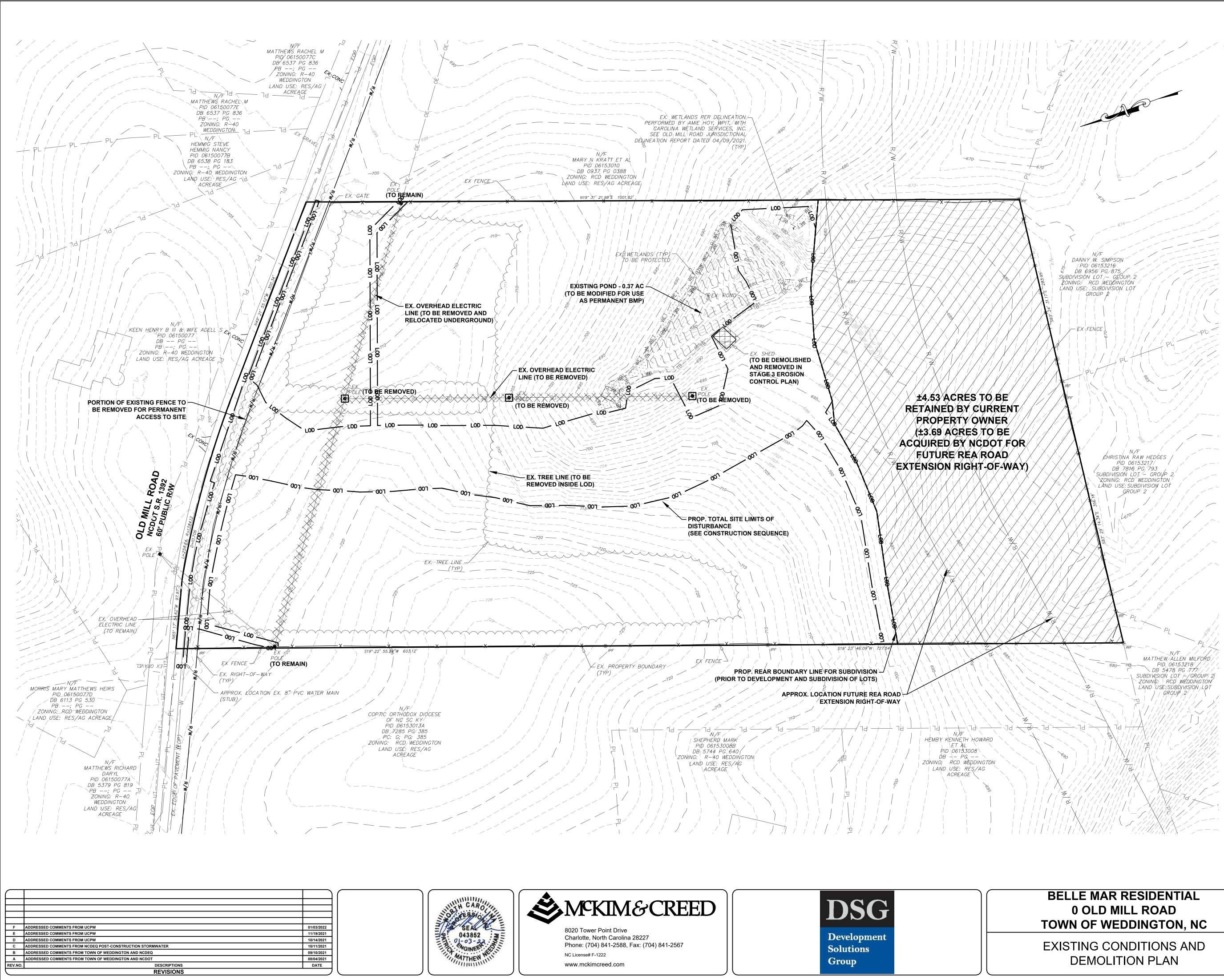
I, W. ANDREW EADES, CERTIFY THAT THIS PROJECT WAS COMPLETED UNDER MY DIRECT AND RESPONSIBLE CHARGE FROM AN ACTUAL SURVEY MADE UNDER MY SUPERVISION; THAT THIS GROUND SURVEY WAS PERFORMED 95 PERCENT CONFIDENCE LEVEL TO MEET FEDERAL GEOGRAPHIC DATA COMMITTEE ACCURACY OF CLASS A AND VERTICAL ACCURACY WHEN APPLICABLE TO THE CLASS B STANDARD, AND THAT THE ORIGINAL DATA WAS OBTAINED ON AUGUST 8, 2020; THAT THE SURVEY WAS COMPLETED ON SEPTEMBER 9, 2020; THAT CONTOURS SHOWN MAY NOT MEET THE STATED STANDARD: AND ALL COORDINATES ARE BASED ON NAD83 (2011) AND REALIZATION AND ELEVATIONS ARE BASED ON NAVD88.

WITNESS MY ORIGINAL SIGNATURE, REGISTRATION NUMBER AND SEAL THIS 9TH DAY OF JULY, 2021.

W. ANDREW EADES, PLS L-3413 7-9-21 DATE: 07-09-21



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BY	DATE	DESCRIPTION	Ē	XISTING	CONDI	HUNS 3	SURVE	
						an a		
					BELLE	MAR		
			CITY OF W	EDDINGTON			UNION	COUNTY, NC
			SCALE: 1"	= 100'		DATE: JUL	Y 9, 202	1
			PLS WAE	ė,		& CREEL		JOB NO. 077800007
			TECH ACG		HARLOTTE, NOR	8 POINT DRIVE TH CAROLINA 282 : (704) 841-2588	227	SHEET NO.
			CHKED WEH	NORTH	FAX: (70	4) 841-2567 I LICENSE NUMBE	R: F-1222	1 of 1

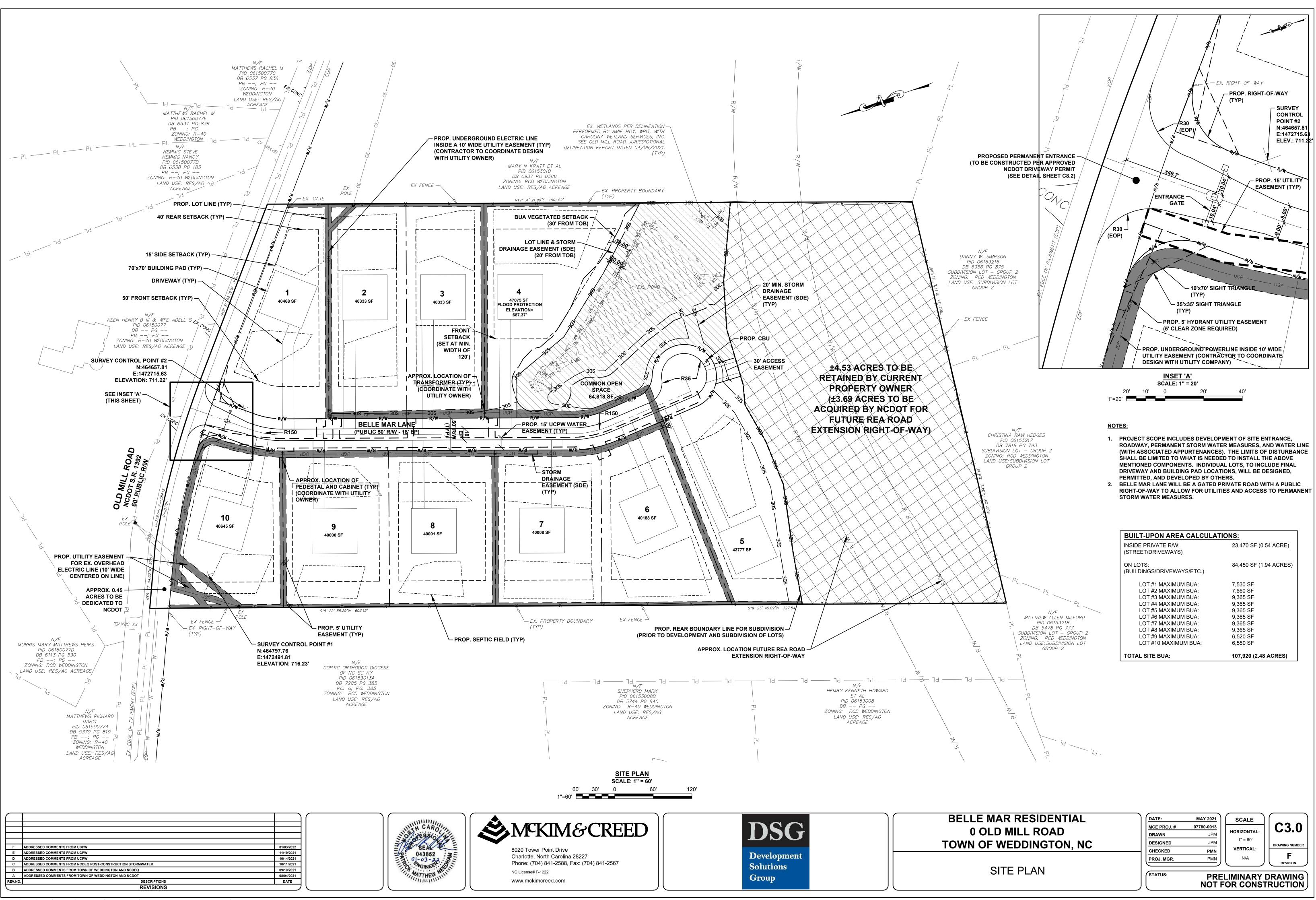


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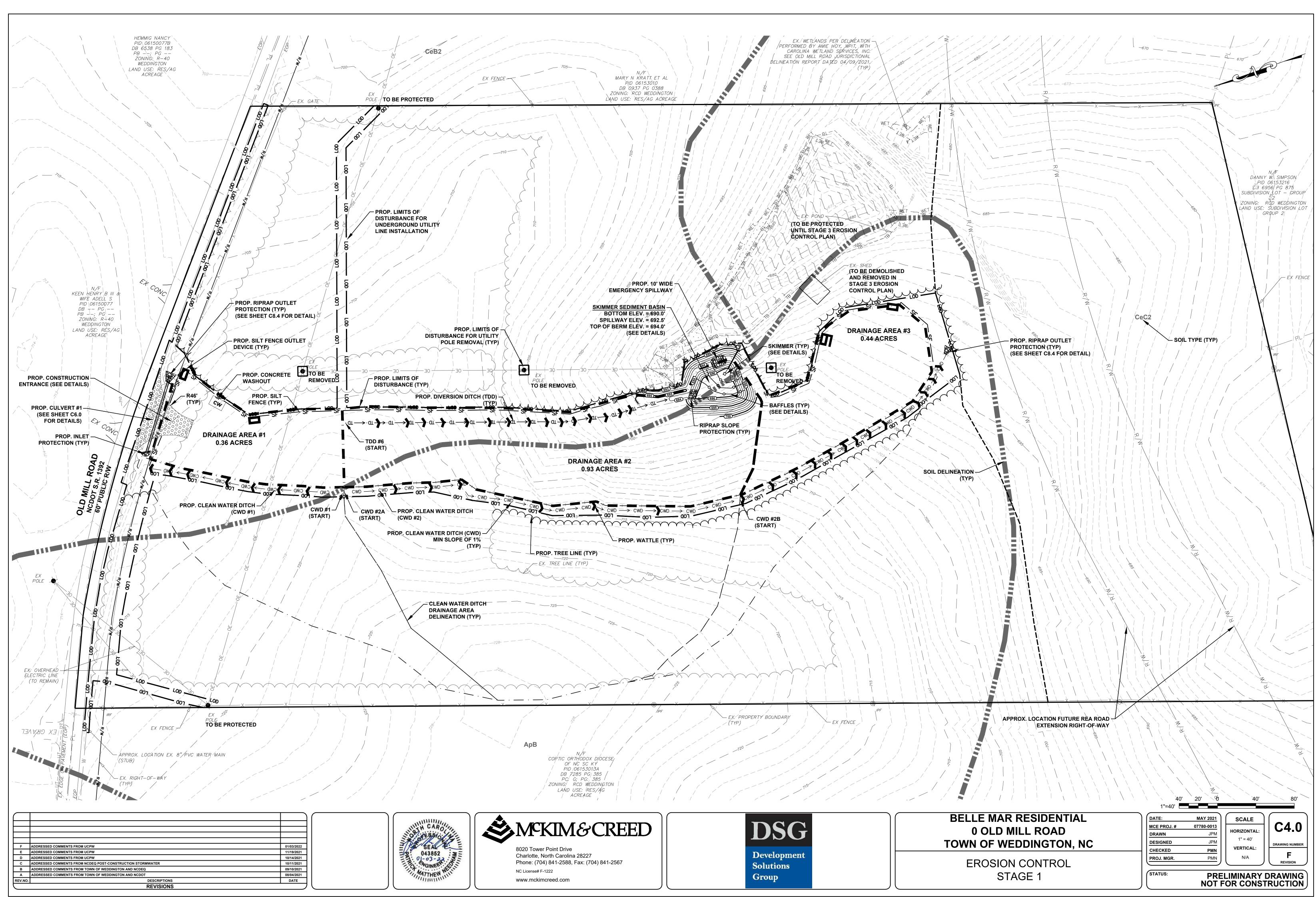
## NOTES:

- PROJECT SCOPE INCLUDES DEVELOPMENT OF SITE ENTRANCE, ROADWAY, PERMANENT STORM WATER MEASURES, AND WATER LINE (WITH ASSOCIATED APPURTENANCES). THE LIMITS OF DISTURBANCE SHALL BE LIMITED TO WHAT IS NEEDED TO INSTALL THE ABOVE MENTIONED COMPONENTS. INDIVIDUAL LOTS, TO INCLUDE FINAL DRIVEWAY AND BUILDING PAD LOCATIONS, WILL BE DESIGNED, PERMITTED, AND DEVELOPED BY OTHERS.
- 2. CONTRACTOR SHALL COORDINATE WITH UTILITY OWNER FOR ANY IMPACTS INSIDE UTILITY EASEMENTS OR TO UTILITY OWNED INFRASTRUCTURE.
- 3. CONTRACTOR SHALL ENSURE ADJACENT PARCELS WILL HAVE NO INTERRUPTION TO UTILITY PROVIDED SERVICES AS A RESULT OF THIS PROJECT.
- 4. CONTRACTOR SHALL MAKE EVERY EFFORT TO PROTECT JURISDICTIONAL FEATURES TO THE GREATEST EXTENT POSSIBLE. NO IMPACTS TO JURISDICTIONAL FEATURES OUTSIDE THE LIMITS OF THE 401/404 PERMIT ARE AUTHORIZED.

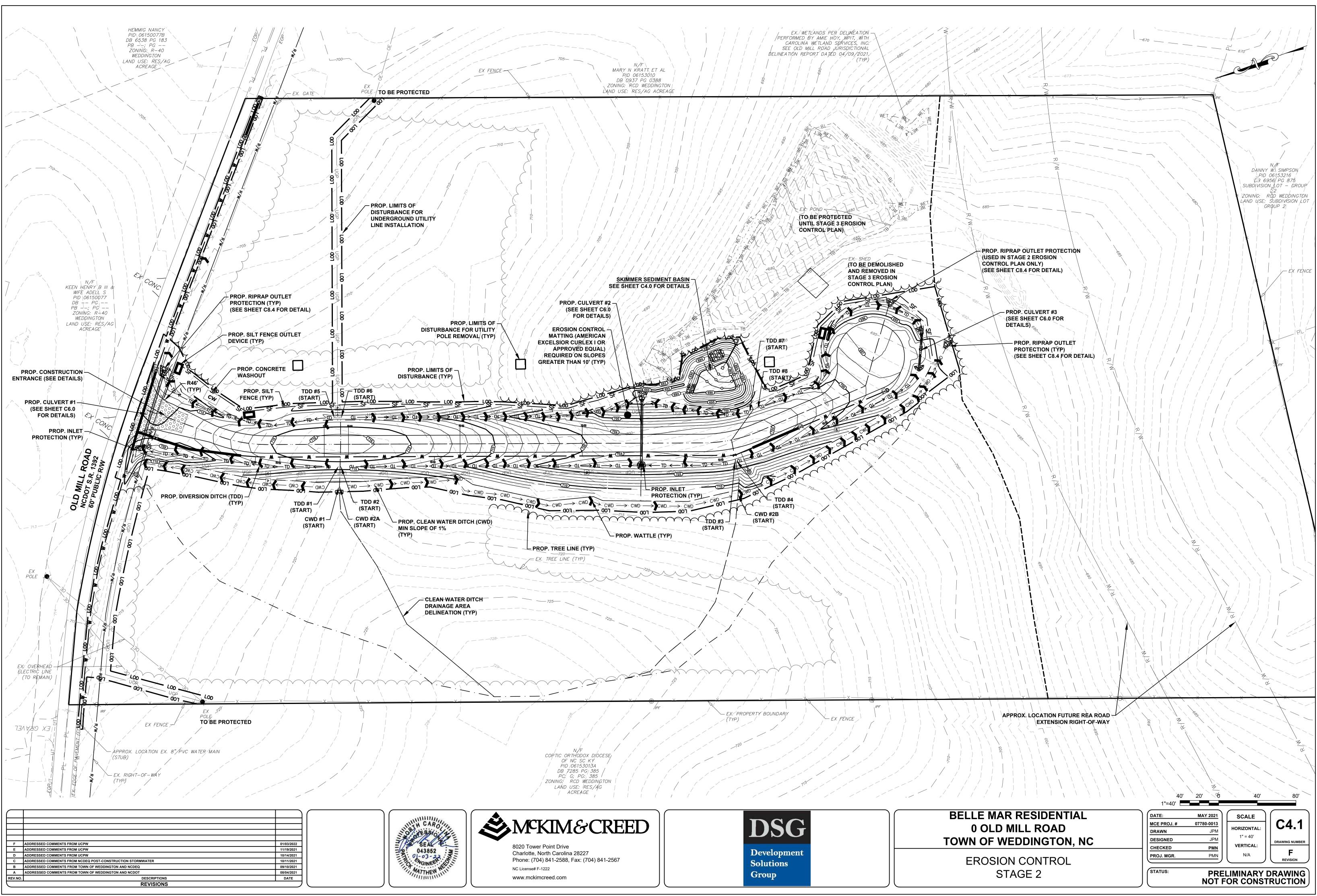
60' 1"=60'	30' 0	60'	120'
	MAY 2021	SCALE	
MCE PROJ. #	07780-0013	HORIZONTAL:	C2.0
DRAWN	JPM JPM	1" = 60'	
CHECKED	PMN	VERTICAL:	
PROJ. MGR.	PMN	N/A	F
STATUS:		LIMINARY I	



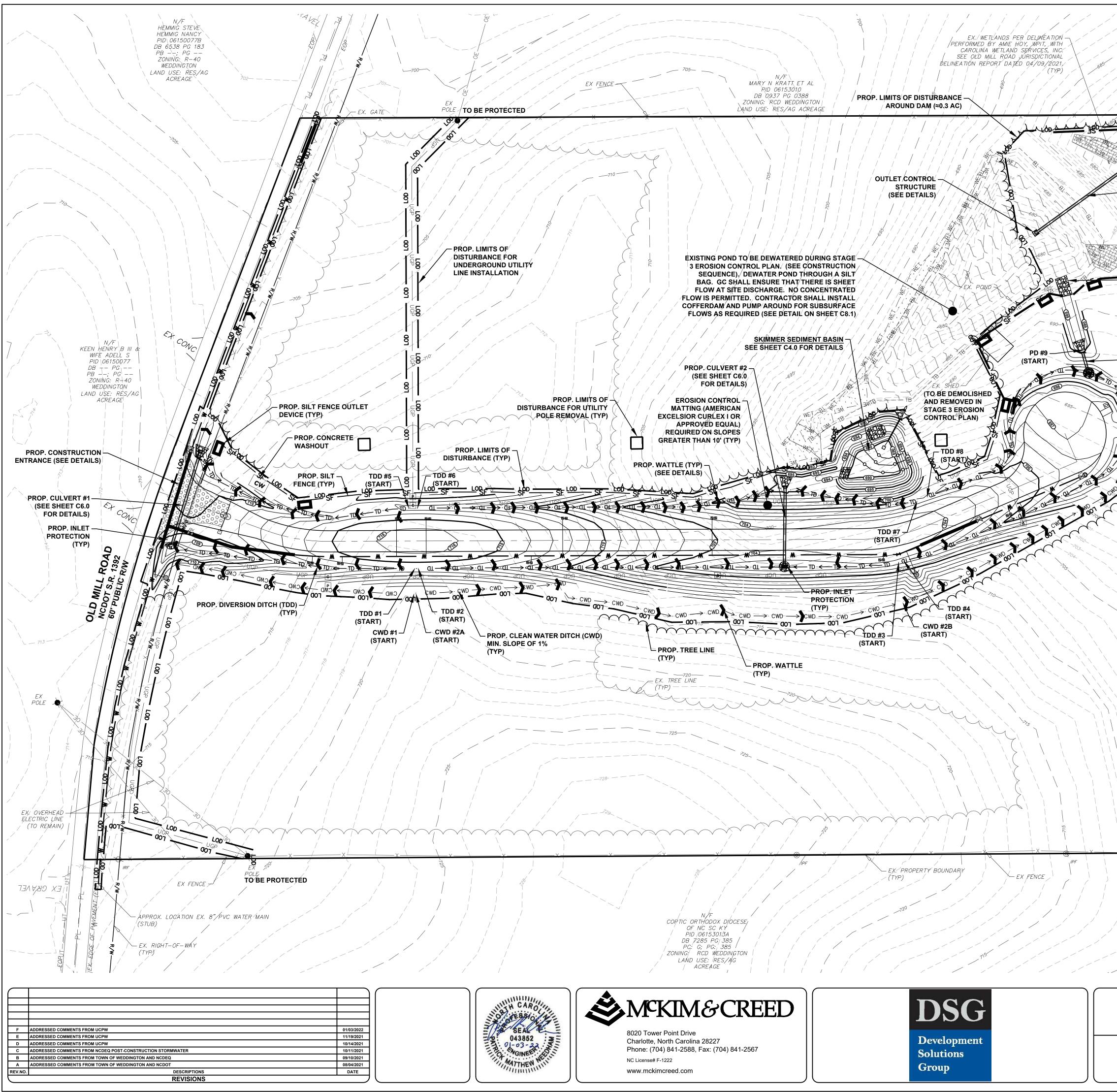
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I:\07780\0013\PDNR\80-DWG\86-DESIGN\PLAN SHEETS\C4.0 EC PH1 PLAN.DWG ---- 01/03/2022 15:57:54



I:\07780\0013\PDNR\80-DWG\86-DESIGN\PLAN SHEETS\C4.0 EC PH1 PLAN.DWG ---- 01/03/2022 15:57:58



I:\07780\0013\PDNR\80-DWG\86-DESIGN\PLAN SHEETS\C5.0 EC PH2 PLAN.DWG ---- 01/03/2022 15:58:15

PROP. SUPER SILT FENCE (SEE SHEET C8.4 FOR DETAIL)

PROP. POND OUTLET

CONTRACTOR SHALL PLACE TIMBER MATS ON WETLANDS IMPACTED DURING CONSTRUCTION

> PROP. RAPRAP SLOPE PROTECTION (SEE SHEET C6.0 FOR DETAILS)

> > PROP. SUPER SILT FENCE (SEE SHEET C8.4 FOR DETAIL)

> > > - PROP. CULVERT #4 (SEE SHEET C6.0 FOR DETAILS)

- PROP. RIPRAP OUTLET PROTECTION (TYP) (SEE DETAILS)

> - PROP. CULVERT #3 (SEE SHEET C6.0 FOR DETAILS)

APPROX. LOCATION FUTURE REA ROAD

BELLE MAR RESIDENTIAL 0 OLD MILL ROAD TOWN OF WEDDINGTON, NC

> EROSION CONTROL STAGE 3

1"=40'			
DATE:	MAY 2021	( SCALE )	
MCE PROJ. #	07780-0013		<b>C5.0</b>
DRAWN	JPM	HORIZONTAL:	
DESIGNED	JPM	1" = 40'	DRAWING NUMBER
CHECKED	PMN	VERTICAL:	
PROJ. MGR.	PMN	N/A	F
		$\square$	REVISION
STATUS:		LIMINARY	-

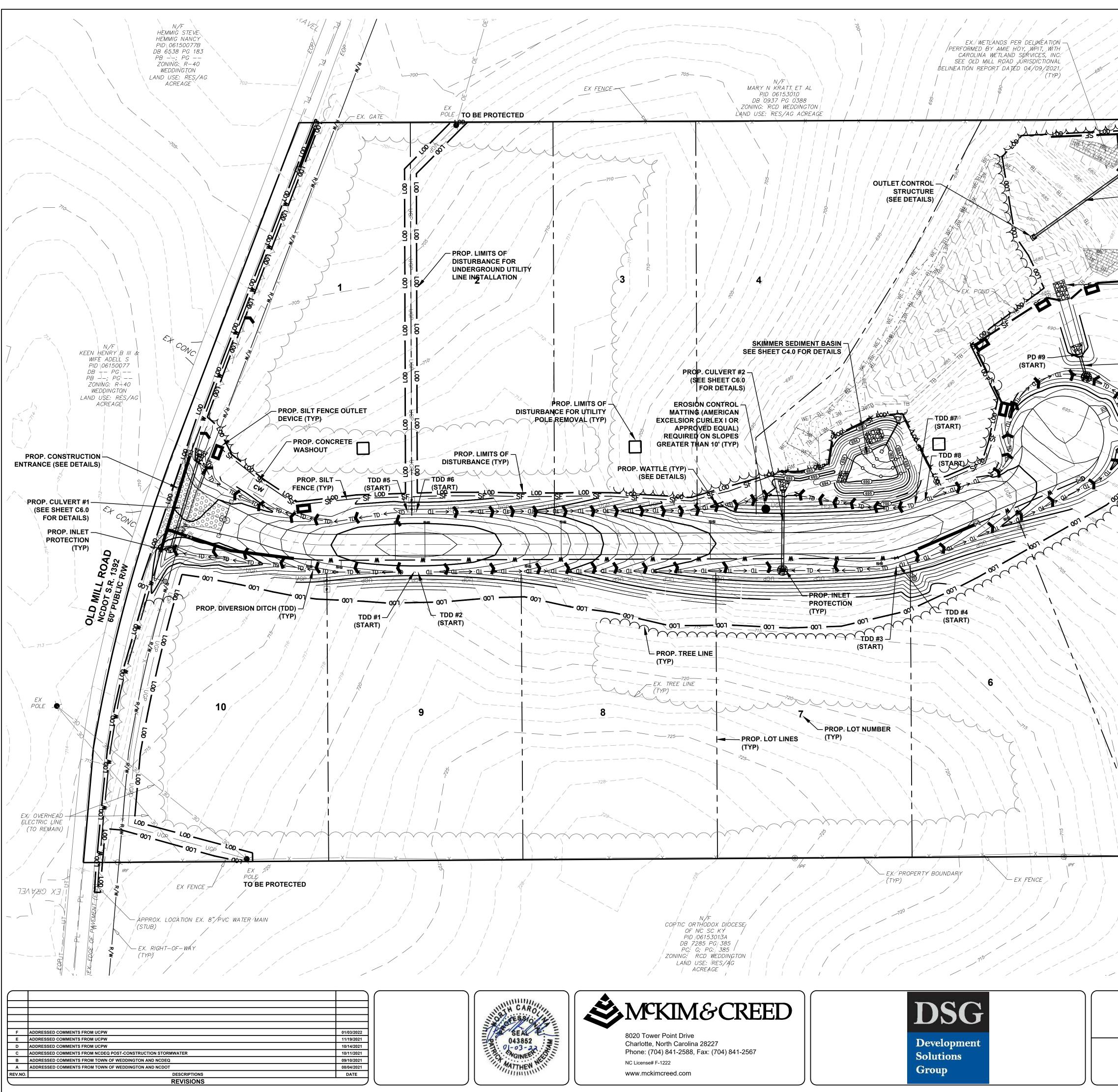
<u>'חג</u>

20'

N/F DANNY W. SIMPSON PID 06153216 D3 6956 PG 875 SUBDIVISION LOT - GROUP

ZONING: ROD WEDDINGTON LAND USE: SUBDIVISION LOT GROUP 2

— EX FENCE



I:\07780\0013\PDNR\80-DWG\86-DESIGN\PLAN SHEETS\C5.0 EC PH2 PLAN.DWG ---- 01/03/2022 15:58:24

PROP. SUPER SILT FENCE (SEE SHEET C8.4 FOR DETAIL)

PROP. POND OUTLET BARREL

- CONTRACTOR SHALL PLACE TIMBER MATS ON WETLANDS IMPACTED DURING CONSTRUCTION रु **(TYP)** 

> - PROP. RAPRAP SLOPE PROTECTION (SEE SHEET C6.0 FOR DETAILS)

> > - PROP. SUPER SILT FENCE (SEE SHEET C8.4 FOR DETAIL)

> > > PROP. CULVERT #4 (SEE SHEET C6.0 FOR DETAILS)

- PROP. CULVERT #3 (SEE SHEEP C6.0 FOR DETAILS)

29

- PROP. PERMANENT DITCH (PD #10) (DO NOT INSTALL DITCH UNTIL POND MODIFICATIONS HAVE BEEN IMPLEMENTED AND POND IS FUNCTIONING AS DESIGNED FOR FINAL SITE CONDITIONS)

APPROX LOCATION FUTURE REA ROAD EXTENSION RIGHT-OF-WAY

**BELLE MAR RESIDENTIAL** 0 OLD MILL ROAD TOWN OF WEDDINGTON, NC

PD #10

(START)

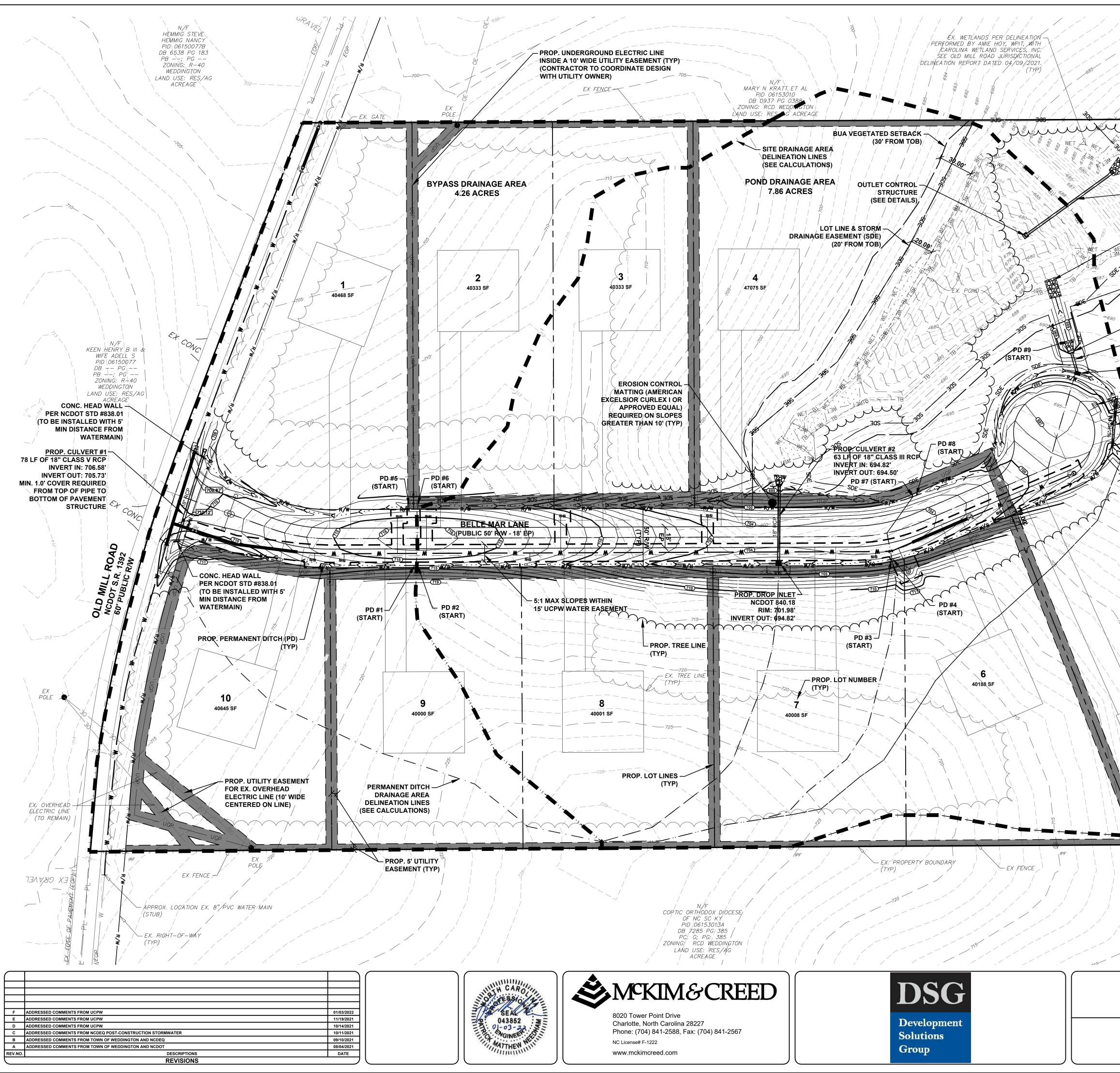
**EROSION CONTROL** STAGE 4

40'	20' Ó	40'	80'
1"=40'			
DATE:	MAY 2021	SCALE	
MCE PROJ. #	07780-0013		C5.1
DRAWN	JPM	HORIZONTAL:	
DESIGNED	JPM	1" = 40'	DRAWING NUMBER
CHECKED	PMN	VERTICAL:	_
PROJ. MGR.	PMN	N/A	F
		$\square$	REVISION
STATUS:	PRE	LIMINARY	DRAWING
	NOT F	OR CONST	RUCTION

N/F DANNY W. SIMPSON PID 061,53216 C3 6956 PG 875 SUBDIVISION LOT - GROUP

ZONING: ROD WEDDINGTON LAND USE: SUBDIVISION LOT GROUP 2

— EX FENCE



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# PROP. RIPRAP OUTLET PROTECTION (TYP) (SEE DETAILS) PROP. POND OUTLET BARREL - PROP. RIPRAP SLORE PROTECTION (10'W x 16'L, CLASS B STONE) TOP ELEV=687.00 BOTTOM ELEV=684.00' XSEE DETAILS) - 20' MIN. STORM DRAINAGE EASEMENT (SDE) (TYP) / PROP. HEAD WALL PER NCDOT STD #838.01 PROP. CULVERT #4 18 LF OF 18" CLASS III RCP INVERT IN: 687.43' INVERT OUT: 687.25'

PROP. DROP INLET NCDOT 840.18 RIM: 691.73 /NVERT OUT: 687.43

43777 SI

EASEMENT

PROP. CULVERT #3 29 LF OF 15" CLASS III RCP INVERT IN: 694.00' INVERT OUT: 693.00

PROP. PERMANENT DITCH (PD #10) (DO NOT INSTALL DITCH UNTIL ROND MODIFICATIONS HAVE BEEN IMPLEMENTED AND POND IS FUNCTIONING AS DESIGNED FOR FINAL SITE CONDITIONS)



## NOTES

- PROJECT SCOPE INCLUDES DEVELOPMENT OF SITE ENTRANCE, ROADWAY, PERMANENT STORM WATER MEASURES, AND WATER LINE (WITH ASSOCIATED APPURTENANCES). THE LIMITS OF DISTURBANCE SHALL BE LIMITED TO WHAT IS NEEDED TO INSTALL THE ABOVE MENTIONED COMPONENTS. INDIVIDUAL LOTS, TO INCLUDE FINAL DRIVEWAY AND BUILDING PAD LOCATIONS, WILL BE DESIGNED, PERMITTED, AND DEVELOPED BY OTHERS.
- AFTER POND OUTLET STRUCTURE INSTALLATION, POND EMBANKMENT SHALL BE REPLACED AND COMPACTED ACCORDING TO GEOTECHNICAL ENGINEER'S RECOMMENDATION.

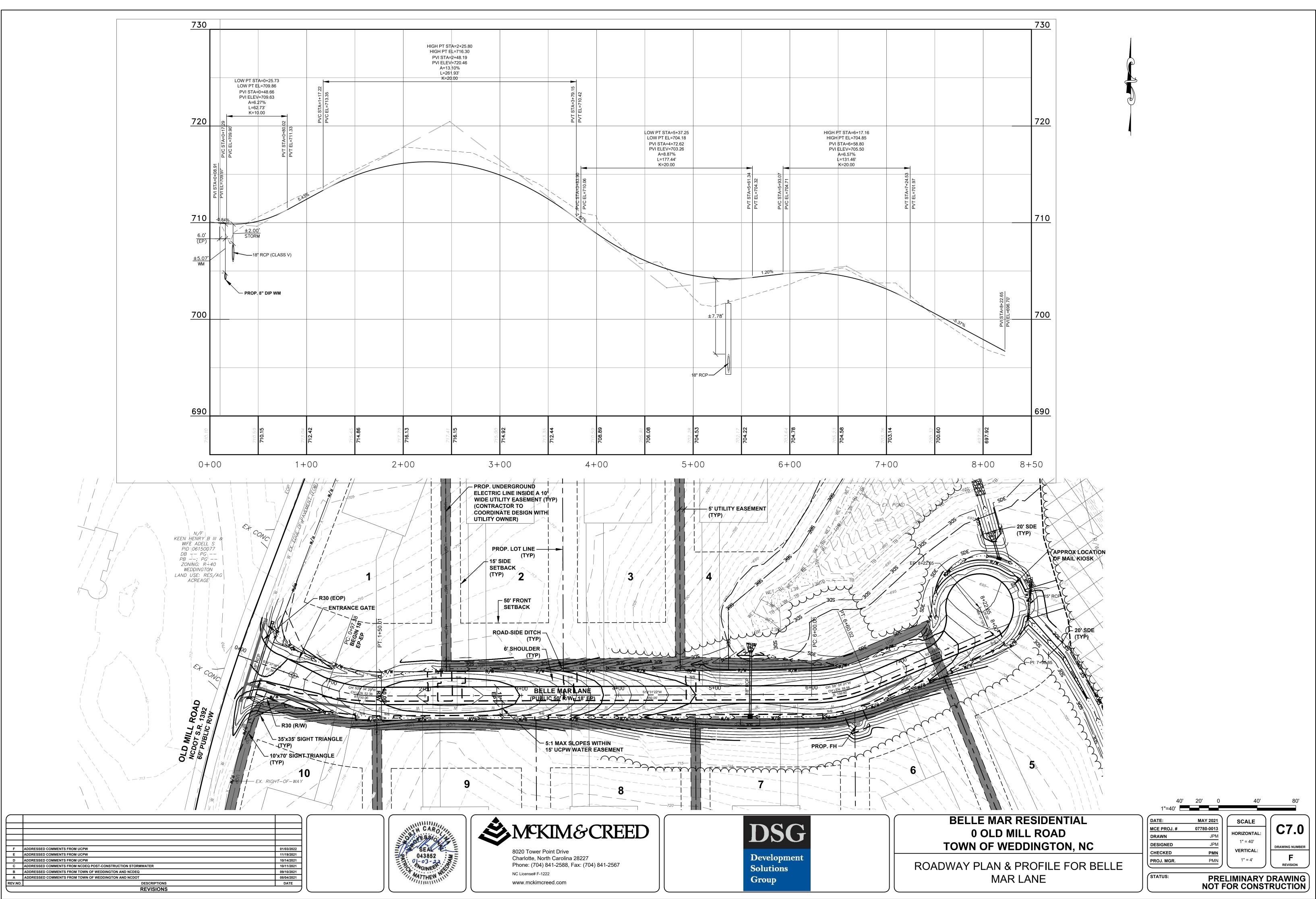
APPROX, LOCATION FUTURE REA ROAD EXTENSION RIGHT-OF-WAY

# **BELLE MAR RESIDENTIAL** 0 OLD MILL ROAD TOWN OF WEDDINGTON, NC

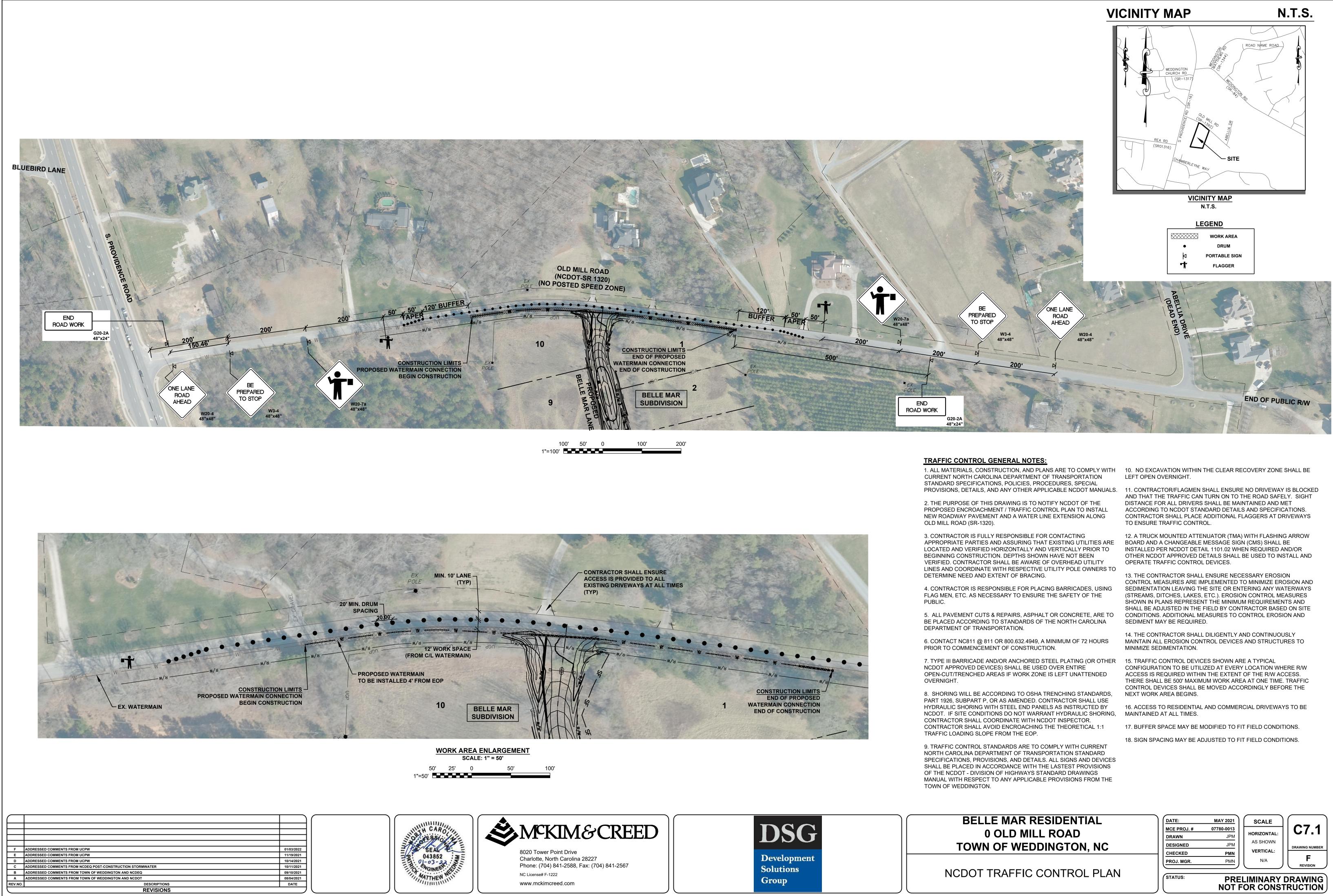
PD #10 (START)

**GRADING & DRAINAGE** PLAN

40' 1"=40'	20'	0	40'	80'
DATE:	MAY 202	1	SCALE	
MCE PROJ. #	07780-001	3		<b>C6.0</b>
DRAWN	JPN	N	HORIZONTAL:	
DESIGNED	JCI	в	1" = 40'	DRAWING NUMBER
CHECKED	PMI	N	VERTICAL:	
PROJ. MGR.	PMI	N	N/A	F
STATUS:			LIMINARY [	DRAWING

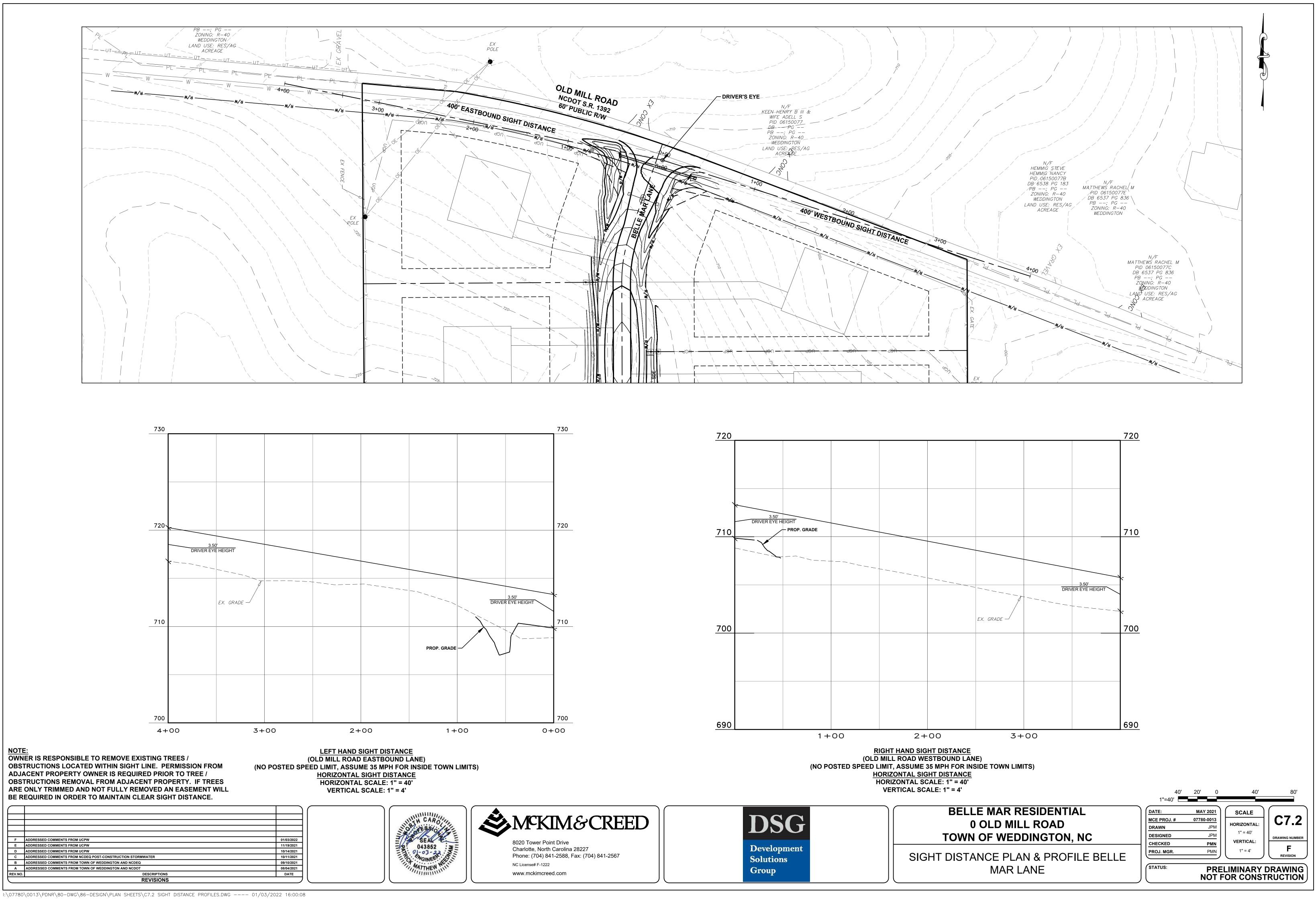


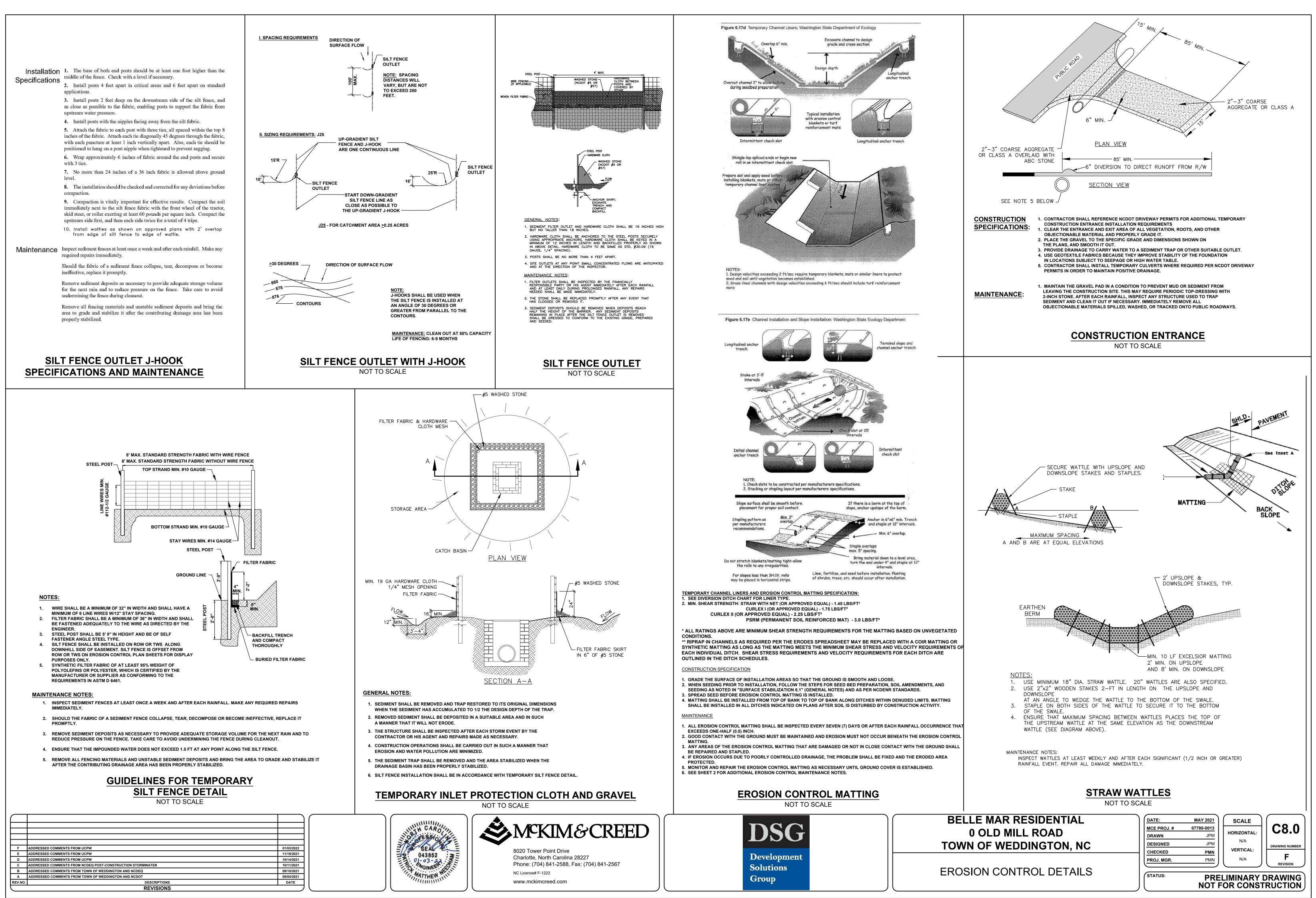
I:\07780\0013\PDNR\80-DWG\86-DESIGN\PLAN SHEETS\C7.0 ROADWAY PROFILES.DWG ---- 01/03/2022 15:59:04



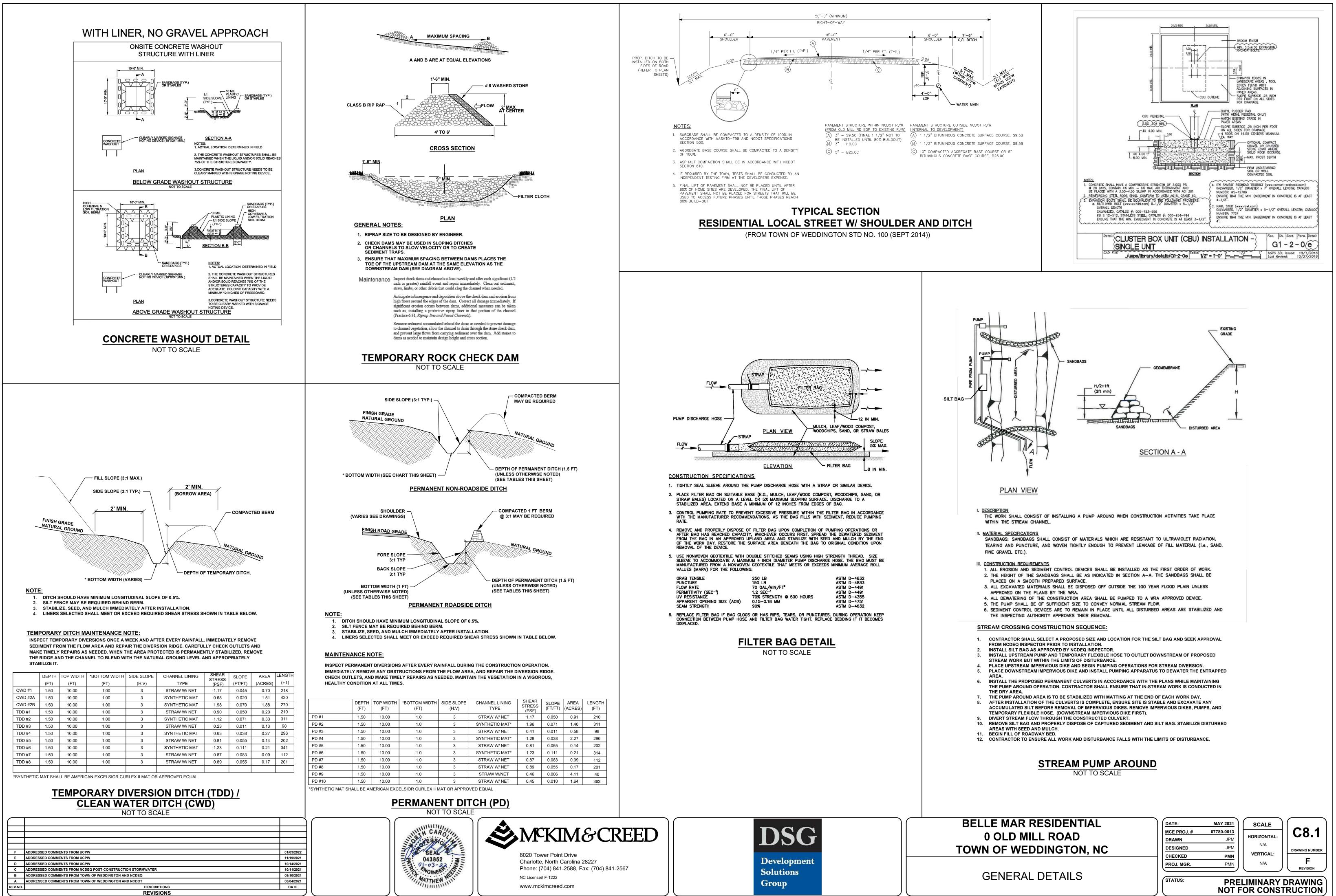
I:\07780\0013\PDNR\80-DWG\86-DESIGN\PLAN SHEETS\C7.1 OLD MILL TRAFFIC CNTL.DWG ---- 01/03/2022 15:59:45

DATE:	MAY 2021	SCALE	
MCE PROJ. #	07780-0013		C7.1
DRAWN	JPM	HORIZONTAL:	
DESIGNED	JPM	AS SHOWN	DRAWING NUMBER
CHECKED	PMN	VERTICAL:	DRAWING NUMBER
PROJ. MGR.	PMN	N/A	F
		$\square$	REVISION
STATUS:	PRF		DRAWING



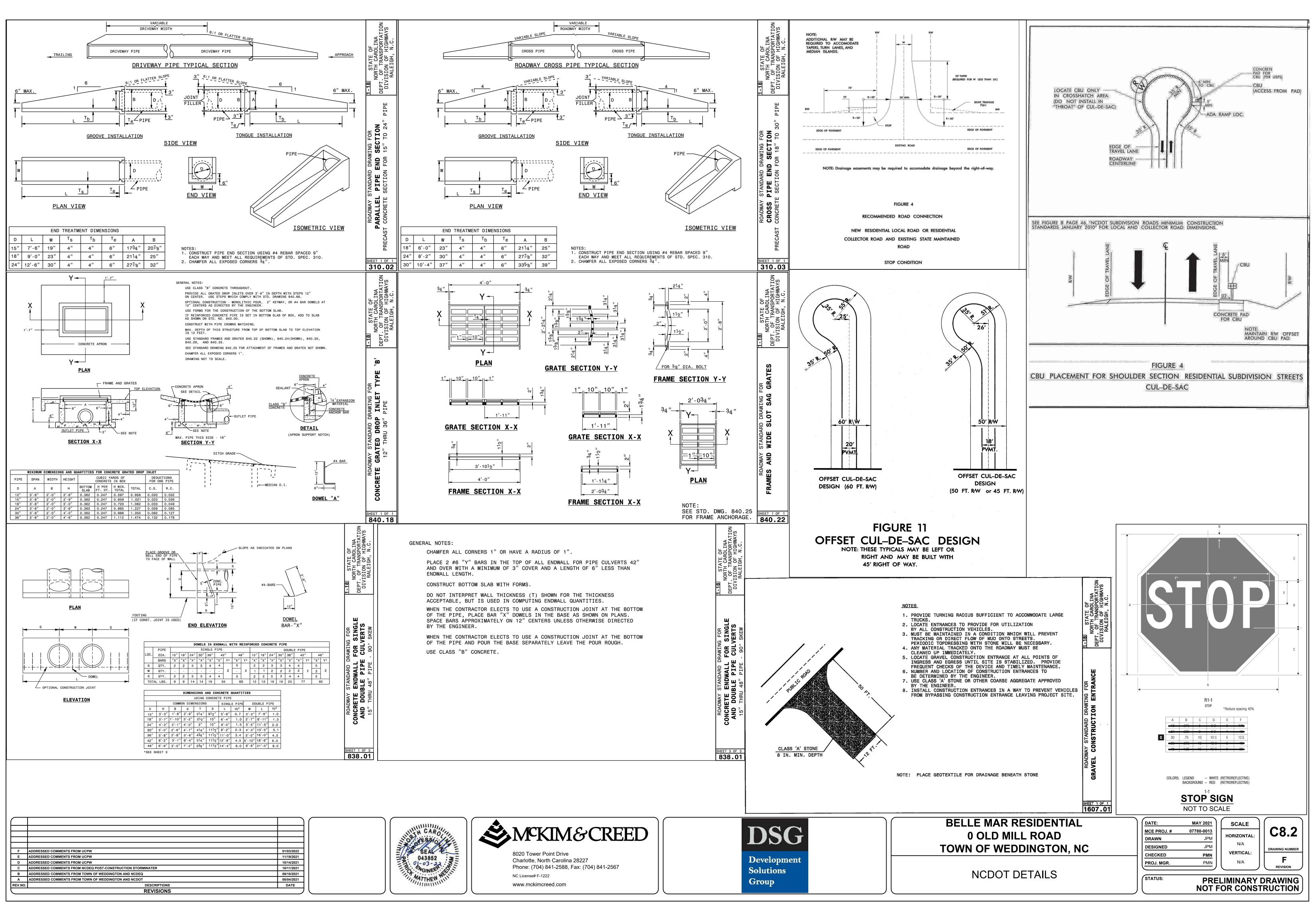


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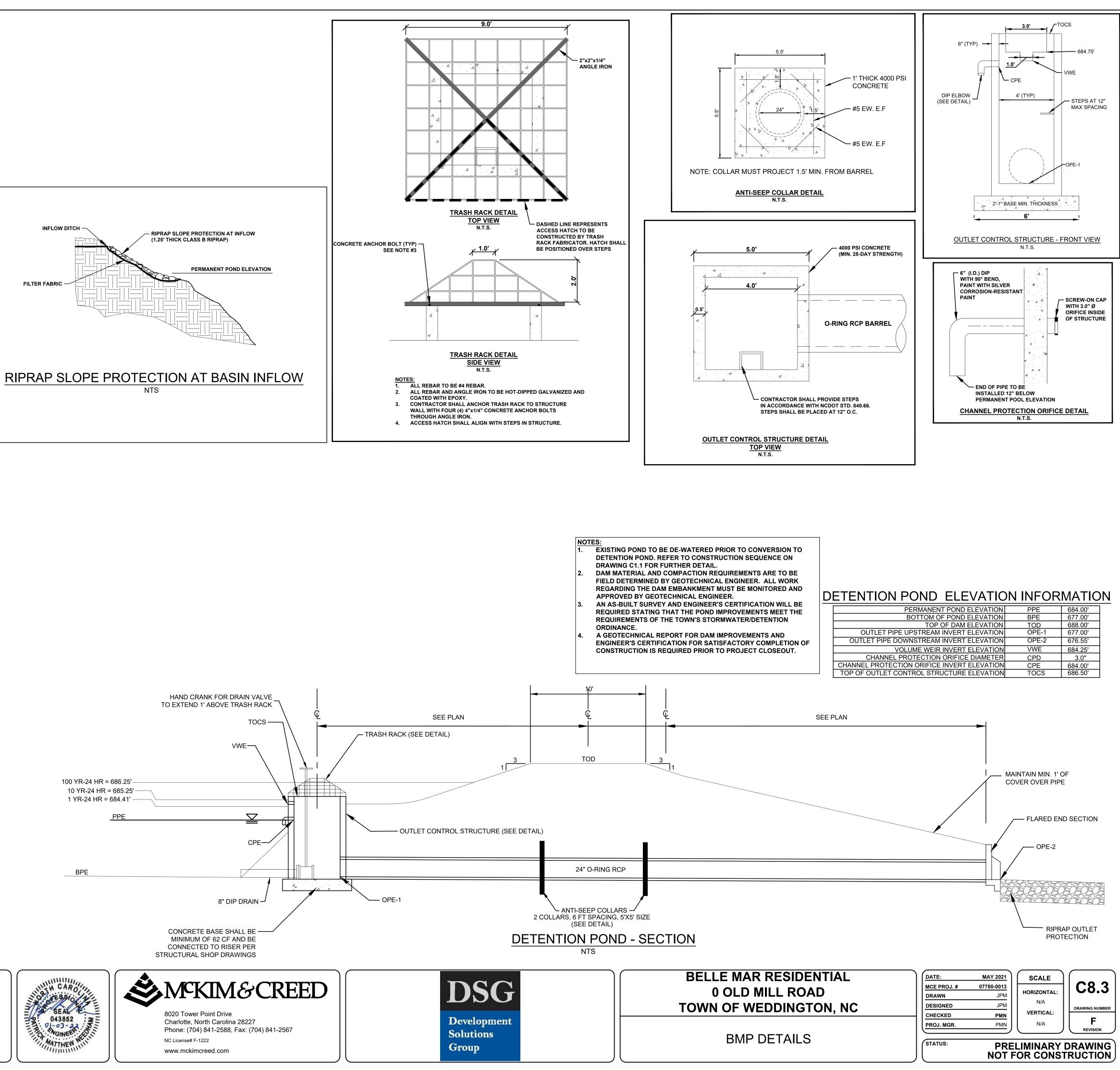
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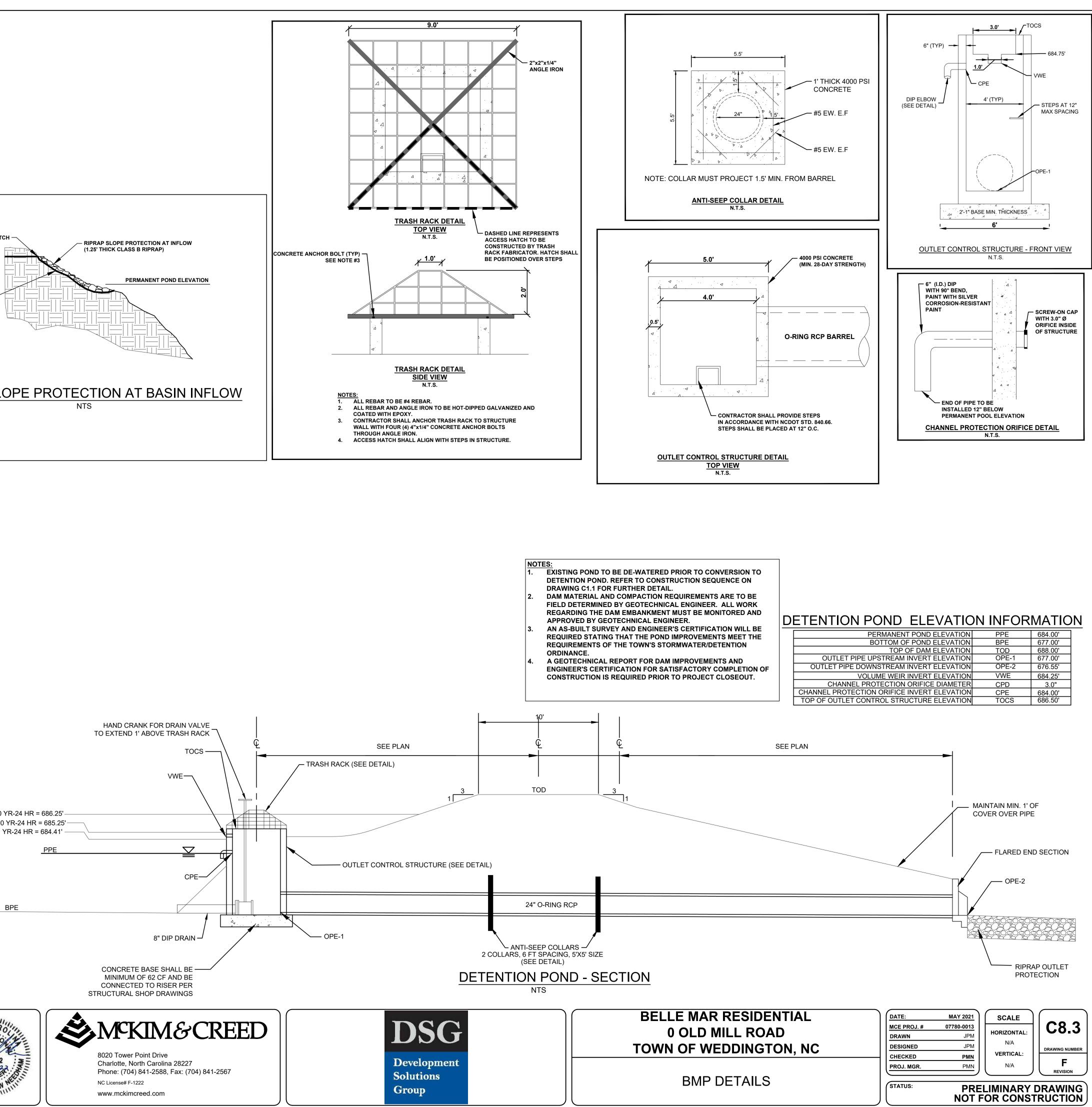
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INFLOW	DI

r		
F	ADDRESSED COMMENTS FROM UCPW	01/03/2022
	ADDRESSED COMMENTS FROM UCPW	11/19/2021
D	ADDRESSED COMMENTS FROM UCPW	10/14/2021
С	ADDRESSED COMMENTS FROM NCDEQ POST-CONSTRUCTION STORMWATER	10/11/2021
в	ADDRESSED COMMENTS FROM TOWN OF WEDDINGTON AND NCDEQ	09/10/2021
Α	ADDRESSED COMMENTS FROM TOWN OF WEDDINGTON AND NCDOT	08/04/2021
REV.NO.	DESCRIPTIONS	DATE
	REVISIONS	



I:\07780\0013\PDNR\80-DWG\86-DESIGN\PLAN SHEETS\C8.0 DETAILS.DWG ---- 01/03/2022 16:00:41



CENERAL NOTES:	
<ol> <li>WOVEN FILTER FABRIC BE USED WHERE SILT FENCE IS TO FOR A PERIOD OF MORE THAN 30 DAYS.</li> <li>STEEL POSTS SHALL BE 2-3/8" DIAMETER AND 5'-0" IN</li> <li>WIRE FENCING SHALL BE 2" MESH CHAIN LINK FABRIC.</li> <li>TURN SILT FENCE UP SLOPE AT ENDS.</li> <li>WIRE AND WASHED STONE IS REQUIRED TO BE SHOWN ON AT THE TOE OF SLOPES GREATER THAN 10 FEET VERTICA SLOPE)</li> <li>ORANGE SAFETY FENCE IS REQUIRED AT BACK OF SILT FI WHEN GRADING IS ADJACENT TO SWIM BUFFERS, STREAMS WEILANDS (REFER TO SWIM BUFFER GUIDELINES). THE CO ORANGE IS RESERVED FOR VISUAL IDENTIFICATION OF ENVIRONMENTALLY SENSITIVE AREAS.</li> <li>DRAINAGE AREA CAN NOT BE GREATER THAN 1/4 ACRE FT OF FENCE.</li> <li>DO NOT INSTALL SEDIMENT FENCE ACROSS STREAMS, DITW WATERWAYS OR OTHER AREAS OF CONCENTRATED FLOW.</li> </ol>	
Image: State of the state	D' IN HEIGH C. N ON PLAN RTICAL (2:1 LT FENCE EAMS OR CRE PER 10 DITCHES, DITCHES, LT FEN COLOR SCIFICA
F       ADDRESSED COMMENTS FROM UCPW         D       1//03/2022         F       ADDRESSED COMMENTS FROM UCPW         D       10//4/2021         C       ADDRESSED COMMENTS FROM UCPW         10//4/2021       10//4/2021         B       ADDRESSED COMMENTS FROM TOWN OF WEDDINGTON AND NCDEQ	

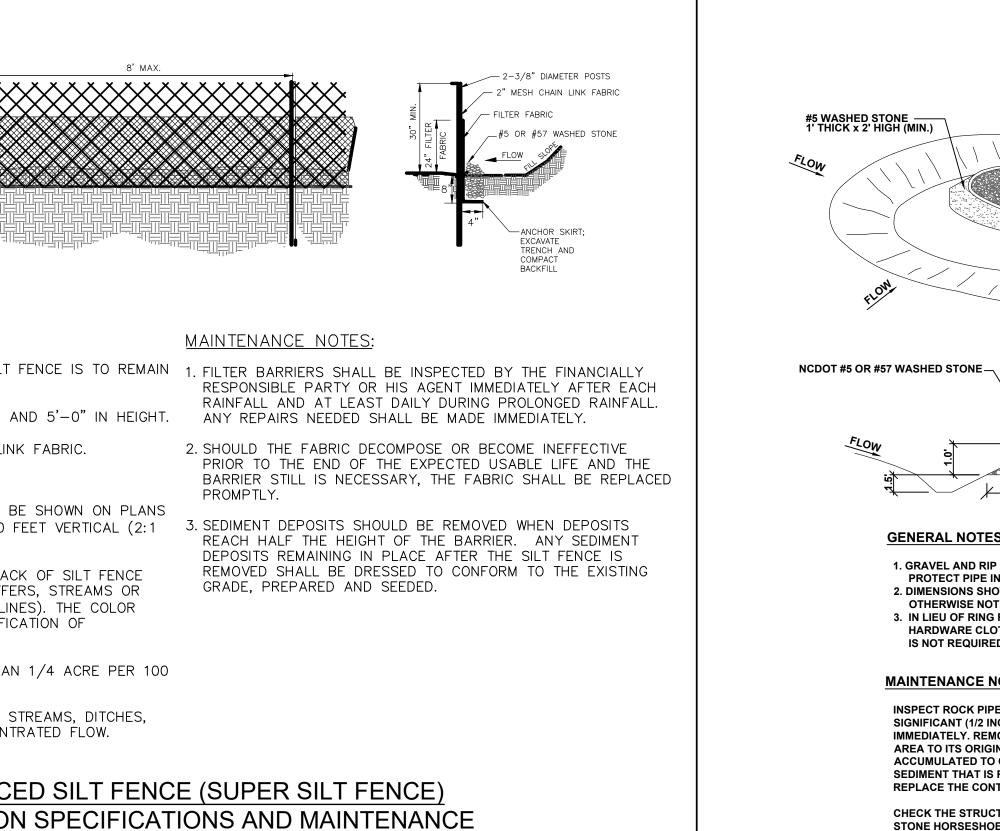
DATE

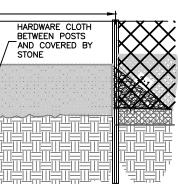
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1:\	.07780\	,0013\	PDNR\	80-DWG\	.86–DESIGN\	PLAN	SHEETS	C8.0	DETAILS.DWG	 01/03	/2022	16:00:46

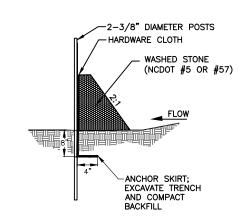
DESCRIPTIONS

REVISIONS

REV.NO.







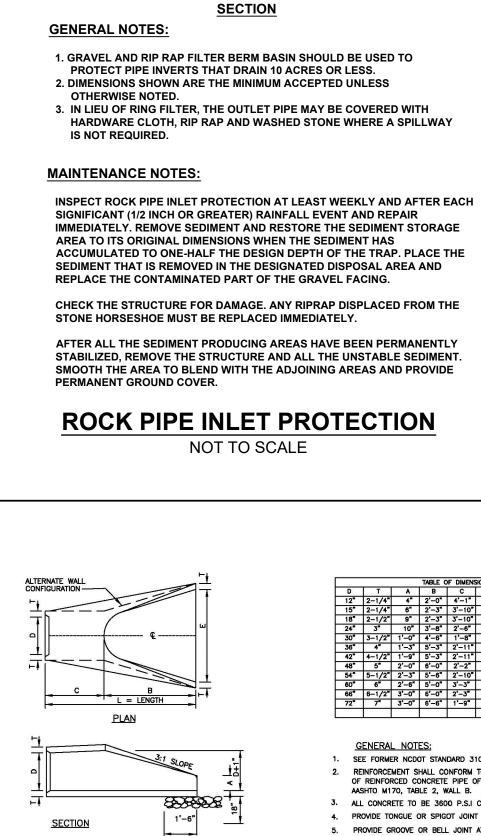
# MAINTENANCE NOTES:

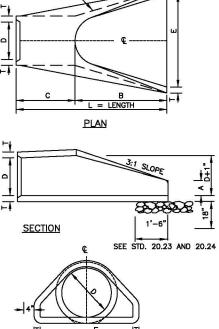
- POSTS SECURELY I SHALL BE KEYED CKFILLED
- TED FLOWS ARE SPECTOR.
- RESPONSIBLE PARTY OR HIS AGENT IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL. ANY REPAIRS NEEDED SHALL BE MADE IMMEDIATELY. ARE CLOTH TO BE 2. THE STONE SHALL BE REPLACED PROMPTLY AFTER ANY

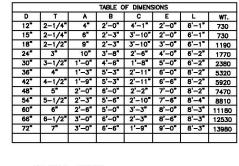
1. FILTER OUTLETS SHALL BE INSPECTED BY THE FINANCIALLY

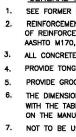
- EVENT THAT HAS CLOGGED OR REMOVED IT. 3. SEDIMENT DEPOSITS SHOULD BE REMOVED WHEN DEPOSITS
- REACH HALF THE HEIGHT OF THE BARRIER. ANY SEDIMENT DEPOSITS REMAINING IN PLACE AFTER THE SILT FENCE OUTLET IS REMOVED SHALL BE DRESSED TO CONFORM TO THE EXISTING GRADE, PREPARED AND SEEDED.

# E (SUPER SILT FENCE) OUTLET DEVICE CIFICATIONS AND MAINTENANCE









CLASS B RIP RAP

 $f = f + f + f + f + f + X \times T$ 

PERSPECTIVE VIEW

<u>^0^0/0/^0/</u>

8' MINIMUM

## END VIEW FLARED END SECTION DETAIL NOT TO SCALE





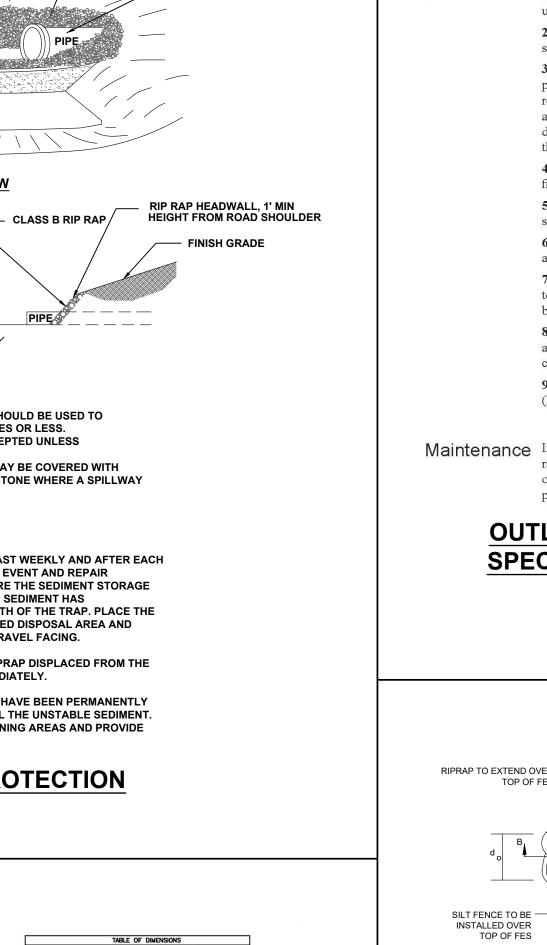


8020 Tower Point Drive Charlotte, North Carolina 28227 Phone: (704) 841-2588, Fax: (704) 841-2567 NC License# F-1222

www.mckimcreed.com

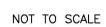


Solutions Group



PIPE INVERT 36" MAX

GENERAL NOTES: SEE FORMER NCDOT STANDARD 310.01 FOR DETAILS. 2. REINFORCEMENT SHALL CONFORM TO THE REQUIREMENTS OF REINFORCED CONCRETE PIPE OF LIKE DIAMETER PER AASHTO M170, TABLE 2, WALL B. 3. ALL CONCRETE TO BE 3600 P.S.I COMPRESSIVE STRENGTH 4. PROVIDE TONGUE OR SPIGOT JOINT AT INLET END SECTION. 5. PROVIDE GROOVE OR BELL JOINT AT OUTLET END SECTION. 6. THE DIMENSIONS FOR END SECTIONS SHALL SUBSTANTIALLY AGREE WITH THE TABLE. MINOR VARIATIONS WILL BE PERMITTED BASED ON THE MANUFACTURER'S STANDARD FORMS AND TEMPLATES. 7. NOT TO BE USED IN NCDOT MAINTAINED RIGHT OF WAY.



**Construction 1.** Ensure that the subgrade for the filter and riprap follows the required lines **Specifications** 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, replace the 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

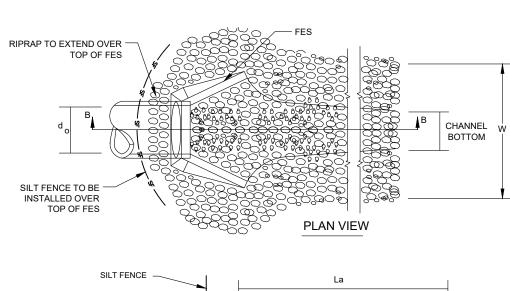
top of the riprap at the downstream end level with the receiving area or slightly below it. 8. Ensure that the apron is properly aligned with the receiving stream

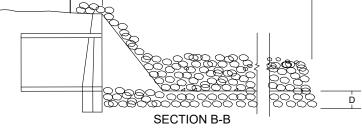
and preferably straight throughout its length. If a curve is needed to fit site conditions, place it in the upper section of the apron.

9. Immediately after construction, stabilize all disturbed areas with vegetation (Practices 6.10, *Temporary Seeding*, and 6.11, *Permanent Seeding*).

Maintenance 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.

# **OUTLET STABILIZATION STRUCTURE SPECIFICATIONS AND MAINTENANCE**





OUTLET NO.	Do (FT.)	La (FT.)	W (FT.)	DEPTH (IN.)	LINING CLASSIFICATION
CWD #2	1.0	8	9	6.0	CLASS A
TDD #4 & #8 (EC 3)	1.0	8	9	6.0	CLASS A
CULVERT #1	1.50	10	12	9.6	CLASS A
CULVERT #2	1.50	9	11	9.6	CLASS A
CULVERT #3	1.25	8	9	6.0	CLASS A
CULVERT #4	1.50	9	11	9.6	CLASS A
POND OUTLET	2.00	13	15	10.8	CLASS A

STONE CLASSIFICATIONS OF CLASS A REQUIRE A SUBLAYER OF FILTER FABRIC OR FS-2 FILTER STONE WITH A BEDDING THICKNESS OF 6".

## **RIPRAP OUTLET PROTECTION DETAIL** NOT TO SCALE

**BELLE MAR RESIDENTIAL 0 OLD MILL ROAD** TOWN OF WEDDINGTON, NC

DATE:	MAY 2021	SCALE	
MCE PROJ. #	07780-0013		<b>C8.4</b>
DRAWN	JPM	HORIZONTAL:	
DESIGNED	JPM	N/A	DRAWING NUMBER
CHECKED	PMN	VERTICAL:	
PROJ. MGR.	PMN	N/A	F
		$\square$	REVISION
STATUS:	DDE		

GENERAL DETAILS

PRELIMINARY DRAWING NOT FOR CONSTRUCTION

**Construction** 1. Clear, grub, and strip the area under the embankment of all vegetation and Specifications root mat. Remove all surface soil containing high amounts of organic matter and stockpile or dispose of it properly. Haul all objectionable material to the designated disposal area. Place temporary sediment control measures below basin as needed

> 2. Ensure that fill material for the embankment is free of roots, woody vegetation, organic matter, and other objectionable material. Place the fill in lifts not to exceed 9 inches, and machine compact it. Over fill the embankment 6 inches to allow for settlement.

> 3. Shape the basin to the specified dimensions. Prevent the skimming device from settling into the mud by excavating a shallow pit under the skimmer or providing a low support under the skimmer of stone or timber.

> 4. Place the barrel (typically 4-inch Schedule 40 PVC pipe) on a firm, smooth foundation of impervious soil. Do not use pervious material such as sand, gravel, or crushed stone as backfill around the pipe. Place the fill material around the pipe spillway in 4-inch layers and compact it under and around the pipe to at least the same density as the adjacent embankment. Care must be taken not to raise the pipe from the firm contact with its foundation when compacting under the pipe haunches.

> Place a minimum depth of 2 feet of compacted backfill over the pipe spillway before crossing it with construction equipment. In no case should the pipe conduit be installed by cutting a trench through the dam after the embankment is complete.

> 5. Assemble the skimmer following the manufacturers instructions, or as designed.

> 6. Lay the assembled skimmer on the bottom of the basin with the flexible joint at the inlet of the barrel pipe. Attach the flexible joint to the barrel pipe and position the skimmer over the excavated pit or support. Be sure to attach a rope to the skimmer and anchor it to the side of the basin. This will be used to pull the skimmer to the side for maintenance.

> 7. Earthen spillways—Install the spillway in undisturbed soil to the greatest extent possible. The achievement of planned elevations, grade, design width, and entrance and exit channel slopes are critical to the successful operation of the spillway. The spillway should be lined with laminated plastic or impermeable geotextile fabric. The fabric must be wide and long enough to cover the bottom and sides and extend onto the top of the dam for anchoring in a trench. The edges may be secured with 8-inch staples or pins. The fabric must be long enough to extend down the slope and exit onto stable ground. The width of the fabric must be one piece, not joined or spliced; otherwise water can get under the fabric. If the length of the fabric is insufficient for the entire length of the spillway, multiple sections, spanning the complete width, may be used. The upper section(s) should overlap the lower section(s) so that water cannot flow under the fabric. Secure the upper edge and sides of the fabric in a trench with staples or pins. (Adapted from "A Manual for Designing, Installing and Maintaining Skimmer Sediment Basins." February, 1999. J. W. Faircloth & Son.).

> 8. Inlets—Discharge water into the basin in a manner to prevent erosion. Use temporary slope drains or diversions with outlet protection to divert sedimentladen water to the upper end of the pool area to improve basin trap efficiency (References: Runoff Control Measures and Outlet Protection).

9. Erosion control—Construct the structure so that the disturbed area is minimized. Divert surface water away from bare areas. Complete the embankment before the area is cleared. Stabilize the emergency spillway embankment and all other disturbed areas above the crest of the principal spillway immediately after construction (References: Surface Stabilization). **10.** Install porous baffles as specified in Practice 6.65, *Porous Baffles*.

11. After all the sediment-producing areas have been permanently stabilized, remove the structure and all the unstable sediment. Smooth the area to blend with the adjoining areas and stabilize properly (References: Surface Stabilization).

F ADDRESSED COMMENTS FROM UCPW

E ADDRESSED COMMENTS FROM UCPW

D ADDRESSED COMMENTS FROM UCPW

REV.NO.

C ADDRESSED COMMENTS FROM NCDEQ POST-CONSTRUCTION STORMWATER

B ADDRESSED COMMENTS FROM TOWN OF WEDDINGTON AND NCDEO

A ADDRESSED COMMENTS FROM TOWN OF WEDDINGTON AND NCDOT

Maintenance Inspect skimmer sediment basins at least weekly and after each significant (one-half inch or greater) rainfall event and repair immediately. Remove sediment and restore the basin to its original dimensions when sediment accumulates to one-half the height of the first baffle. Pull the skimmer to one side so that the sediment underneath it can be excavated. Excavate the sediment from the entire basin, not just around the skimmer or the first cell. Make sure vegetation growing in the bottom of the basin does not hold down the skimmer.

> Repair the baffles if they are damaged. Re-anchor the baffles if water is flowing underneath or around them.

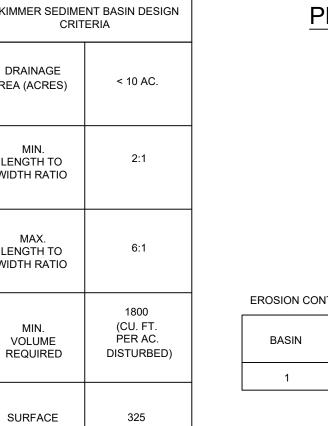
> If the skimmer is clogged with trash and there is water in the basin, usually jerking on the rope will make the skimmer bob up and down and dislodge the debris and restore flow. If this does not work, pull the skimmer over to the side of the basin and remove the debris. Also check the orifice inside the skimmer to see if it is clogged; if so remove the debris.

> If the skimmer arm or barrel pipe is clogged, the orifice can be removed and the obstruction cleared with a plumber's snake or by flushing with water. Be sure and replace the orifice before repositioning the skimmer.

> Check the fabric lined spillway for damage and make any required repairs with fabric that spans the full width of the spillway. Check the embankment, spillways, and outlet for erosion damage, and inspect the embankment for piping and settlement. Make all necessary repairs immediately. Remove all trash and other debris from the skimmer and pool areas.

> Freezing weather can result in ice forming in the basin. Some special precautions should be taken in the winter to prevent the skimmer from plugging with ice.

# SEDIMENT BASINS **SPECIFICATIONS AND MAINTENANCE**





8020 Tower Point Drive

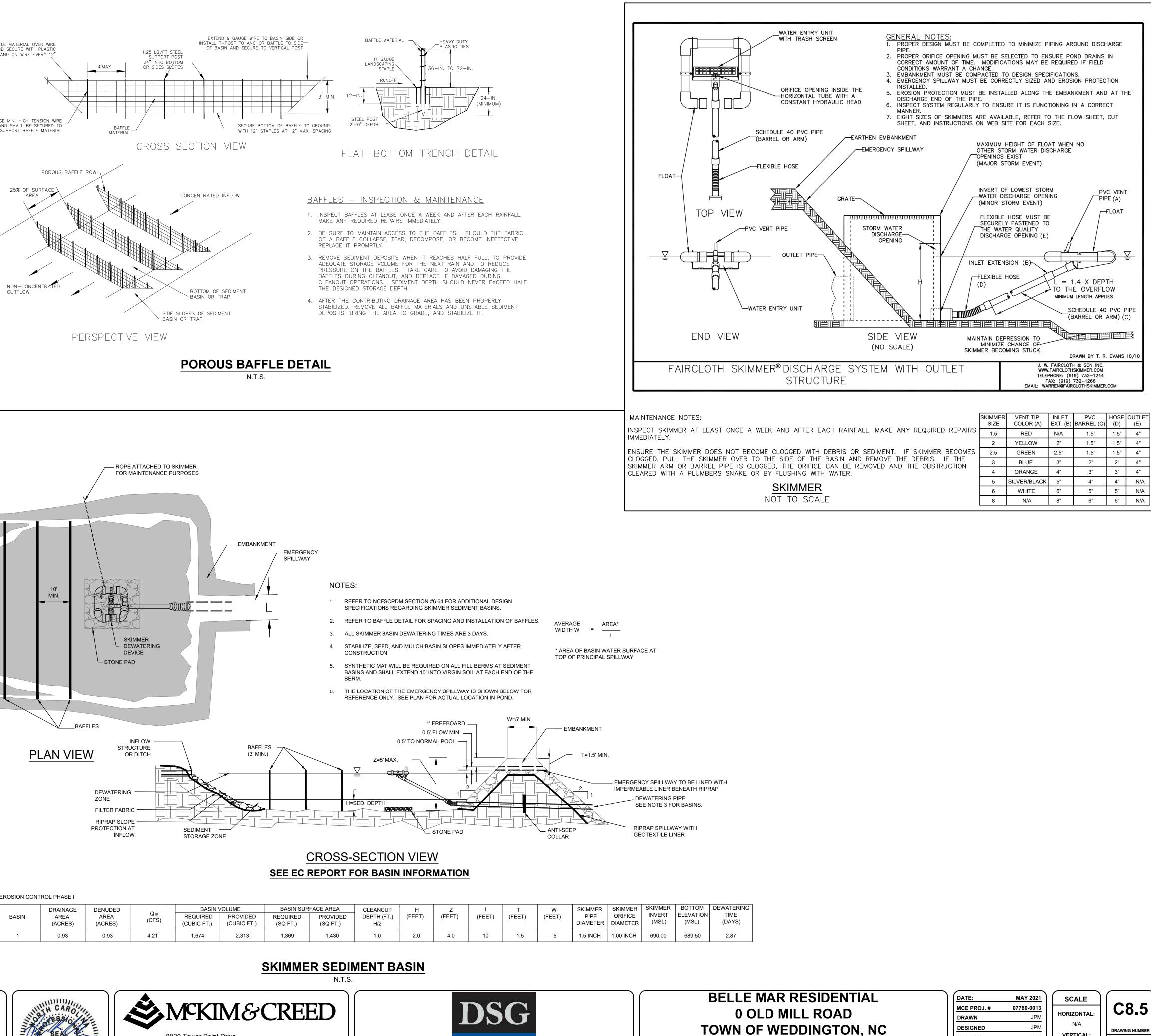
www.mckimcreed.com

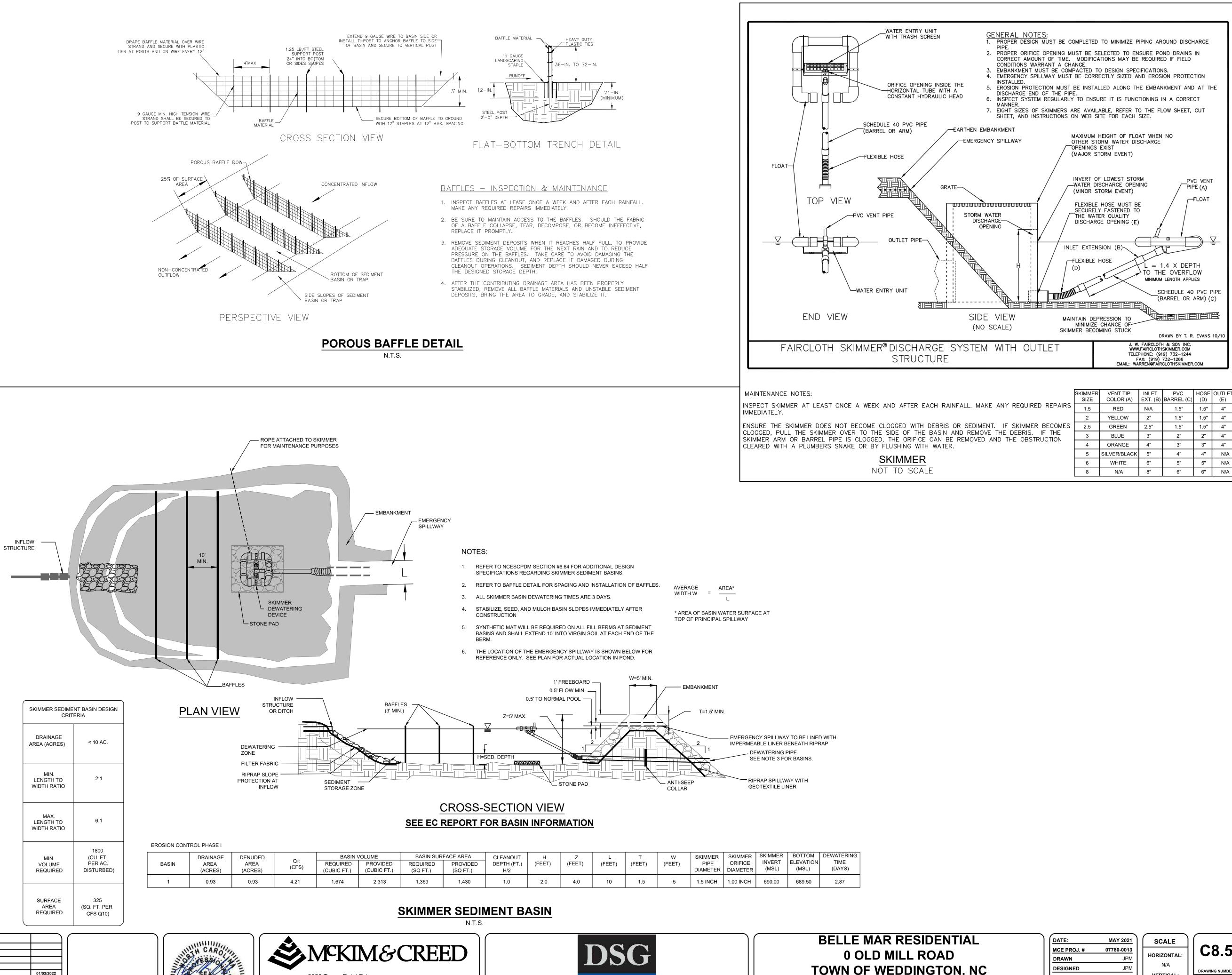
NC License# F-1222

Charlotte, North Carolina 28227

Phone: (704) 841-2588, Fax: (704) 841-2567







Development

Solutions

Group

REVISIONS

DESCRIPTION

11/19/2021

10/14/2021

10/11/2021

09/10/2021

08/04/2021

DATE

0 OLD MILL ROAD
TOWN OF WEDDINGTON, NC

SEDIMENT BASIN DETAILS

DATE:	MAY 2021	SCALE	
MCE PROJ. #	07780-0013		C8.5
DRAWN	JPM	HORIZONTAL:	
DESIGNED	JPM	N/A	DRAWING NUMBER
CHECKED	PMN	VERTICAL:	
PROJ. MGR.	PMN	N/A	F
		$\square$	REVISION
STATUS:	PRE	LIMINARY	DRAWING

ZONTAL:	C8.
N/A	
RTICAL:	DRAWING NUM
N/A	F

NOT FOR CONSTRUCTION

२	BOTTOM	DEWATERING
	ELEVATION	TIME
	(MSL)	(DAYS)
	689.50	2.87

		DRAWN BY T. R. EVANS 10/10					
FAIRCLOTH SKIMMER®DISCHARGE SYSTEM WITH OUTLET STRUCTURE			J. W. FAIRCLOTH & SON INC. WWW.FAIRCLOTHSKIMMER.COM TELEPHONE: (919) 732-1244 FAX: (919) 732-1266 EMAIL: WARREN@FAIRCLOTHSKIMMER.COM				
						4	
ICE NOTES:	SKIMMER SIZE	VENT TIP COLOR (A)	INLET EXT (B)	PVC BARREL (C)		OUTLET (E)	
IMMER AT LEAST ONCE A WEEK AND AFTER EACH RAINFALL. MAKE ANY REQUIRED REPAIRS $\sim$	1.5	RED	N/A	1.5"	1.5"	4"	
Y.	2	YELLOW	2"	1.5"	1.5"	4"	
E SKIMMER DOES NOT BECOME CLOGGED WITH DEBRIS OR SEDIMENT. IF SKIMMER BECOMES PULL THE SKIMMER OVER TO THE SIDE OF THE BASIN AND REMOVE THE DEBRIS. IF THE RM OR BARREL PIPE IS CLOGGED, THE ORIFICE CAN BE REMOVED AND THE OBSTRUCTION ITH A PLUMBERS SNAKE OR BY FLUSHING WITH WATER.	2.5	GREEN	2.5"	1.5"	1.5"	4"	
	3	BLUE	3"	2"	2"	4"	
	4	ORANGE	4"	3"	3"	4"	
	5	SILVER/BLACK	5"	4"	4"	N/A	
SKIMMER	6	WHITE	6"	5"	5"	N/A	
NOT TO SCALE	8	N/A	8"	6"	6"	N/A	