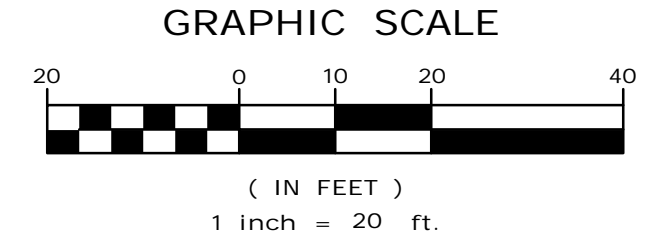


TOWN OF WEDDINGTON

PLAZA IMPROVEMENTS



NO.	DATE	DESCRIPTION
REVISIONS	06/21/2021	SHEET UPDATED TO SHOW GRADING FOR WALKING PATH AND NEW SWALE
PROJECT NUMBER: 2200051		
DRAWN BY: JMC/ABW		
REVIEWED BY: BAF		
ISSUED FOR:		
DATE: 06/21/2021		
DRAWING NAME:		

EROSION CONTROL DETAILS AND PLAN

1. DISTURBED AREA: 0.54 ACRES
2. STABILIZATION IS THE BEST FORM OF EROSION CONTROL. ALL DISTURBED AREAS WILL BE STABILIZED WITH THE APPROPRIATE PERMANENT VEGETATIVE EROSION CONTROL MEASURE(S) UPON COMPLETION OF EACH PHASE OF PROPOSED CONSTRUCTION. WORK SHALL NOT BEGIN ON THE NEXT PHASE OF CONSTRUCTION UNTIL STABILIZATION OF THE PRIOR PHASE HAS BEEN COMPLETED UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
3. ANY GRADING BEYOND THE CONSTRUCTION LIMITS SHOWN ON THE PLANS IS A VIOLATION OF THE NORTH CAROLINA EROSION CONTROL ORDINANCE, AND IS SUBJECT TO A FINE.
4. NO ON-SITE BURIAL OF VEGETATION OR CONSTRUCTION DEBRIS WILL BE PERMITTED.
5. ADDITIONAL MEASURES TO CONTROL EROSION AND SEDIMENT MAY BE REQUIRED IN THE FIELD BY THE CONSTRUCTION INSPECTOR.
6. ALL STOCKPILE AREAS DEEMED NECESSARY BY THE CONTRACTOR WILL BE REQUIRED TO HAVE EROSION CONTROL MEASURES SURROUNDING THE AREA IN ORDER TO TRAP EROSION AND SEDIMENT. THE STOCKPILE AREAS MAY ONLY BE LOCATED WITHIN THE CONSTRUCTION LIMITS. APPROPRIATE EROSION CONTROL MEASURES CONSIST OF: TEMPORARY SILT FENCE, INLET PROTECTION DEVICES, ETC.

7. ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSPECTED WEEKLY AND AFTER RAINFALL EVENTS. NEEDED REPAIRS SHALL BE MADE IMMEDIATELY. ADDITIONAL SILT FENCE MAY BE REQUIRED AROUND THE CHANNEL BANKS BETWEEN CONSTRUCTION PHASES. INSTALL ADDITIONAL SILT FENCE AS NEEDED TO PREVENT SILT FROM ENTERING CHANNELS.

CONSTRUCTION SCHEDULE

1. OBTAIN PLAN APPROVAL AND OTHER APPLICABLE PERMITS. CONTRACTOR TO HAVE ALL EXISTING UTILITIES LOCATED PRIOR TO CONSTRUCTION.
2. HOLD PRECONSTRUCTION CONFERENCE AT LEAST ONE WEEK PRIOR TO BEGINNING CONSTRUCTION.
3. INSTALL EROSION CONTROL MEASURES REQUIRED FOR THE PROPOSED CONSTRUCTION ACTIVITIES.
4. THE CONTRACTOR SHALL INSPECT THE EROSION CONTROL MEASURES WEEKLY AND AFTER RAINFALL EVENTS. NEEDED REPAIRS WILL BE MADE IMMEDIATELY.
5. SOIL STABILIZATION SHALL BE REQUIRED ON ANY AREA OF A SITE WHERE LAND-DISTURBING ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED ACCORDING TO THE FOLLOWING SCHEDULE:

I) ALL PERIMETER DIKES, SWALES, DITCHES, PERIMETER SLOPES AND ALL SLOPES STEEPER THAN 3 HORIZONTAL TO 1 VERTICAL (3:1) SHALL BE PROVIDED TEMPORARY OR PERMANENT STABILIZATION WITH GROUND COVER AS SOON AS PRACTICABLE BUT IN ANY EVENT WITHIN 7 CALENDAR DAYS FROM THE LAST LAND-DISTURBING ACTIVITY.

II) ALL OTHER DISTURBED AREAS SHALL BE PROVIDED TEMPORARY OR PERMANENT STABILIZATION WITH GROUND COVER AS SOON AS PRACTICABLE BUT IN ANY EVENT WITHIN 14 CALENDAR DAYS FROM THE LAST LAND-DISTURBING ACTIVITY.

6. ONCE THE PROPOSED CONSTRUCTION ACTIVITIES HAVE BEEN INSTALLED, REMOVE ALL TEMPORARY MEASURES AND INSTALL PERMANENT VEGETATION ON THE DISTURBED AREAS.

MAINTENANCE PLAN

1. ALL TEMPORARY EROSION CONTROL AND SEDIMENT CONTROL PRACTICES WILL BE INSTALLED AS NOTED IN THE STD. DETAILS FOR EROSION CONTROL.
2. TRAPPED SEDIMENT SHALL BE PROPERLY REMOVED FROM THE EROSION CONTROL MEASURES AND DISPOSED OF.

VEGETATIVE PLAN

1. ALL DISTURBED AREAS WILL BE STABILIZED BY PERMANENTLY VEGETATING WITH SEED AND MULCH AS RECOMMENDED BY THE PERMANENT SEEDING SPECIFICATIONS DUE TO THE RESTRAINTS ON THE LENGTH OF IMPROVEMENTS AND/OR DURATION OF EXPOSED DISTURBED AREAS.
2. TO PROMOTE A DENSE VEGETATIVE COVER IN AREAS WHERE RUNOFF CONCENTRATES OR IN AREAS WHERE VEGETATION IS HARD TO ESTABLISH, A MATTING FOR EROSION CONTROL WILL BE USED. THE MATTING TO BE USED WILL BE A MATTING THAT CONSISTS OF 70% STRAW AND COCONUT AND BE BACKED (OR APPROVED EQUAL). THE MATTING FOR EROSION CONTROL WILL BE CONSTRUCTED AS PART OF THE PROPOSED IMPROVEMENTS AND SHALL ALSO SERVE FOR VEGETATIVE STABILIZATION PURPOSES.

FOR LATE WINTER AND EARLY SPRING:

SEEDING MIXTURE:

RYE (GRAIN) = 120 LB/ACRE
ANNUAL LESPEDEZA (KOBE) = 50 LB/ACRE
(OMIT ANNUAL LESPEDEZA WHEN DURATION OF TEMPORARY COVER IS NOT TO EXCEED BEYOND JUNE)

SEEDING DATES:

JAN. 1 – MAY 1

FOR SUMMER:

SEEDING MIXTURE:

GERMAN MILLET = 40 LB/ACRE
(A SMALL-STEMMED SUANOGRASS MAY BE SUBSTITUTED AT A RATE OF 50 LB/ACRE)

SEEDING DATES:

MAY 1 – AUG. 15

FOR FALL:

SEEDING MIXTURE:

RYE (GRAIN) = 120 LB/ACRE

SEEDING DATES:

AUG. 15 – DEC. 30

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

MULCH:

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

MAINTENANCE:

REFERTILIZE IF GROWTH IS NOT FULLY ADEQUATE. RESEED, FERTILIZE AND MULCH IMMEDIATELY FOLLOWING EROSION OR OTHER DAMAGE.

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

MULCH:

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

MAINTENANCE:

REFERTILIZE IF GROWTH IS NOT FULLY ADEQUATE. RESEED, FERTILIZE AND MULCH IMMEDIATELY FOLLOWING EROSION OR OTHER DAMAGE.

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

MULCH:

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

MAINTENANCE:

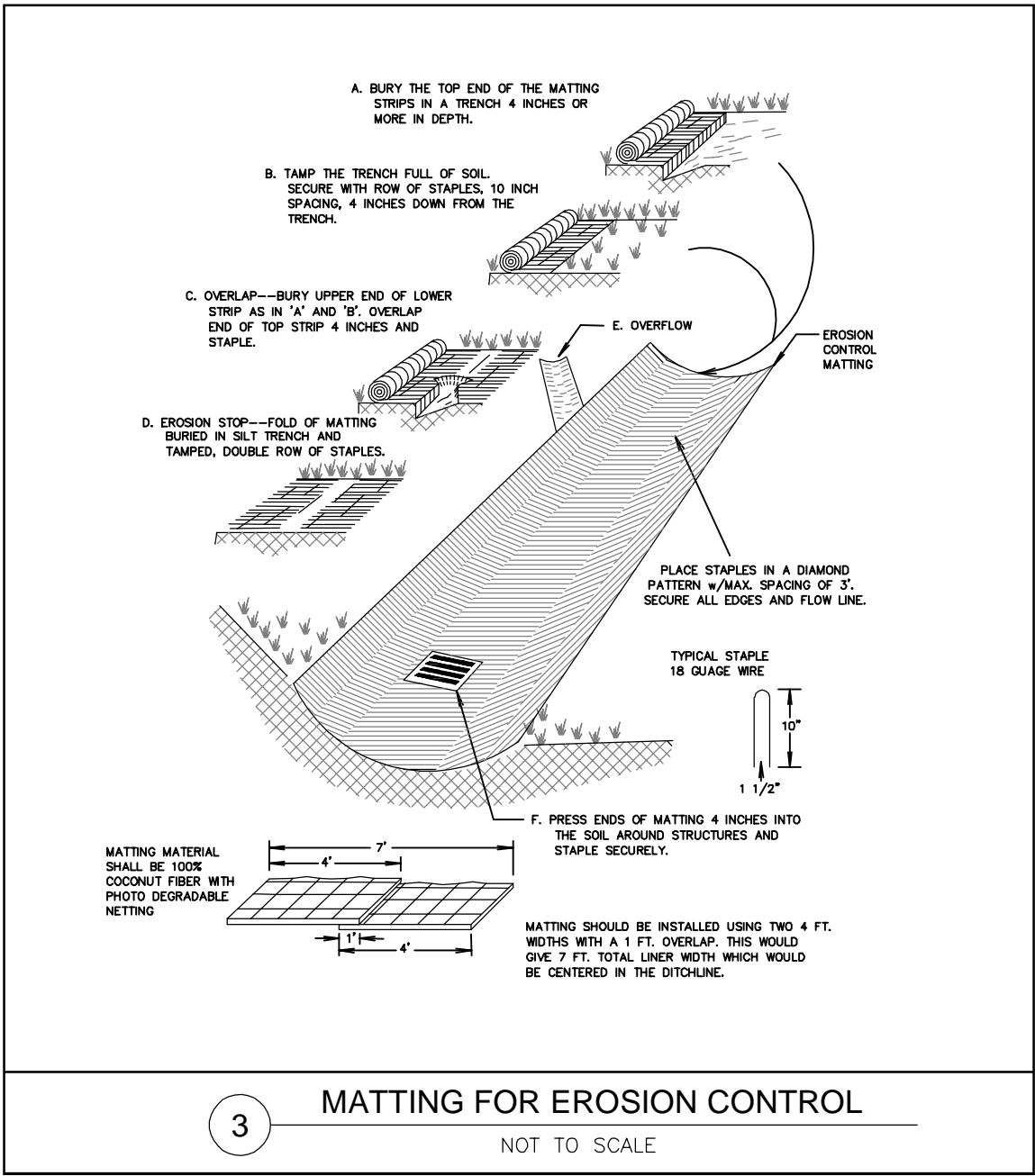
REPAIR AND REFERTILIZE DAMAGED AREAS IMMEDIATELY. TOPDRESS WITH 50 LB/ACRE OF NITROGEN IN MARCH. IF IT IS NECESSARY TO EXTEND TEMPORARY COVER BEYOND JUNE 15, OVERSEED WITH 50 LB/ACRE KOBE LESPEDEZA IN LATE FEBRUARY OR EARLY MARCH.

FOR ADDITIONAL INFORMATION, REFER TO NCDCNR EROSION AND SEDIMENT CONTROL PLANNING AND DESIGN MANUAL (ESCPDM), SECTION 6.10. FOR PERMANENT SEEDING SPECIFICATIONS, INCLUDING SEED BED PREP, SEASONAL LIMITATIONS FOR SEEDING OPERATIONS, THE KINDS OF GRADES OF FERTILIZERS, THE KINDS OF SEED, AND THE RATES OF APPLICATION OF LIMESTONE, FERTILIZER, AND SEED, REFER TO NCDCNR ESCPDM SECTION 6.11 AND THE CHARLOTTE LANDSCAPE CONSTRUCTION STANDARDS SECTION 04200 SEEDING AND SODDING OF TURFGRASS.

1

TEMPORARY SEEDING SCHEDULE

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3

MATTING FOR EROSION CONTROL

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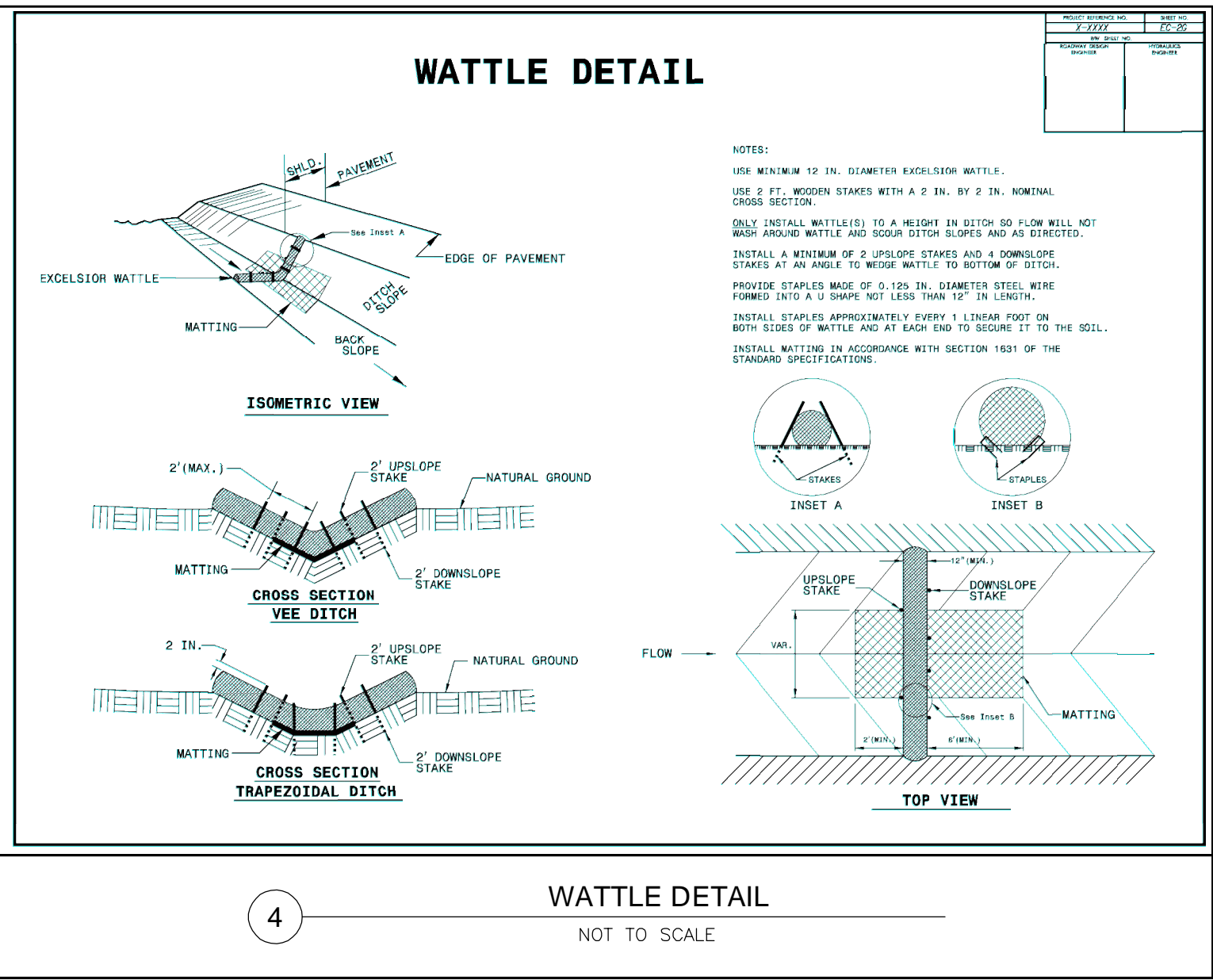
PERMANENT SEEDING SPECIFICATIONS

DATES	TYPE	RATE	AMENDMENTS
LOW MAINTENANCE AREAS			
STEEP SLOPES, STONY, SHALLOW OR DRY SOIL			AMENDMENTS SHALL BE APPLIED AT THE RATE OF 4000 LB/ACRE OF GROUND AGRICULTURAL LIMESTONE AND 1000 LB/ACRE OF 10-10-10 FERTILIZER. DRY SOIL AND GRASS LINED CHANNELS SHALL USE 3000 LB/ACRE OF GROUND AGRICULTURAL LIMESTONE AND 500 LB/ACRE OF 10-10-10 FERTILIZER.
JUNE 25-FEB 15	TALL FESCUE	100 LB/ACRE	
FEB 15-JUNE25	SERICEA LESPEDEZA KOBE LESPEDEZA	30 LB/ACRE 10 LB/ACRE	
GENTLE SLOPES, AVERAGE SOILS			
JUNE 25-FEB 15	TALL FESCUE	80 LB/ACRE	
FEB 15-JUNE 25	SERICEA LESPEDEZA KOBE LESPEDEZA	20 LB/ACRE 10 LB/ACRE	
HIGH MAINTENANCE AREAS			
MODERATE TO STEEP SLOPES, SOILS WITH AVERAGE OR BETTER MOISTURE, COOL SITES			AMENDMENTS SHALL BE APPLIED AT THE RATE OF 4000 LB/ACRE OF GROUND AGRICULTURAL LIMESTONE AND 250 LB/ACRE OF 18-24-10 FERTILIZER.
ALL DATES	BLEND OF TWO TURF TYPES TALL FESCUES (90%) AND TWO OR MORE KENTUCKY BLUEGRASS VARIETES (10%)	200-250 LB/ACRE	
GENTLE SLOPES, DRIER SOILS, PHYSICAL LIMITATIONS			
ALL DATES	BLEND OF 50% KY-31 TALL FESCUE AND 50% MIXTURE OF TWO OR MORE TURF TYPE TALL FESCUES	200-250 LB/ACRE	
MULCH			
ALL DATES	GRAN STRAW	100 LB/1000 FT²	TACK WITH 0.1 GAL/100' OF ASPHALT

2

PERMANENT SEEDING SCHEDULE

NOT TO SCALE



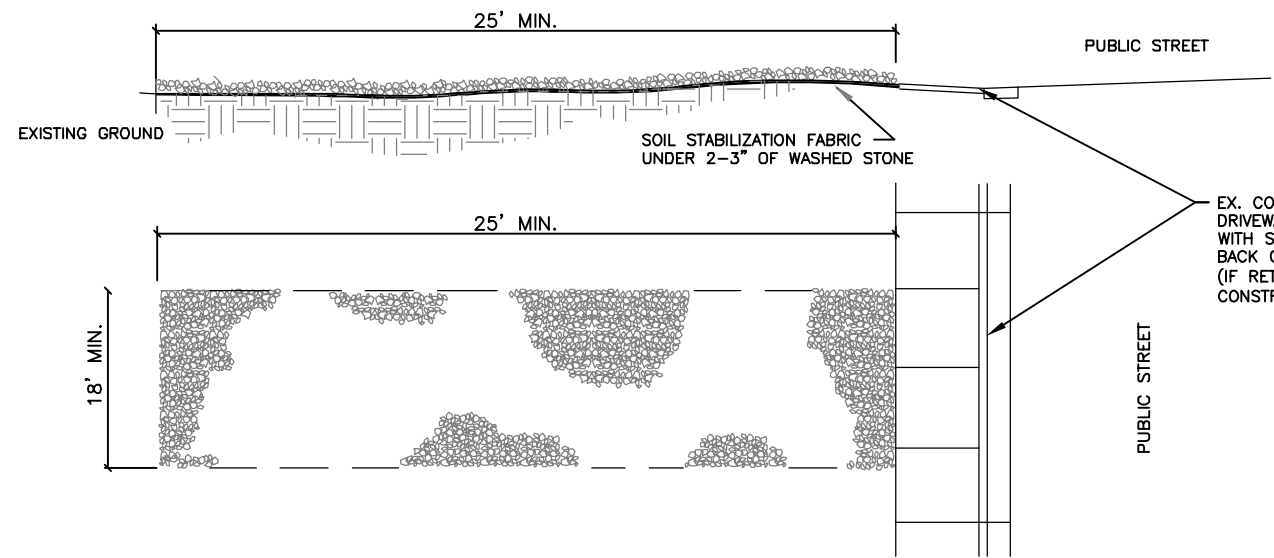
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WATTLE DETAIL

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NOTES:

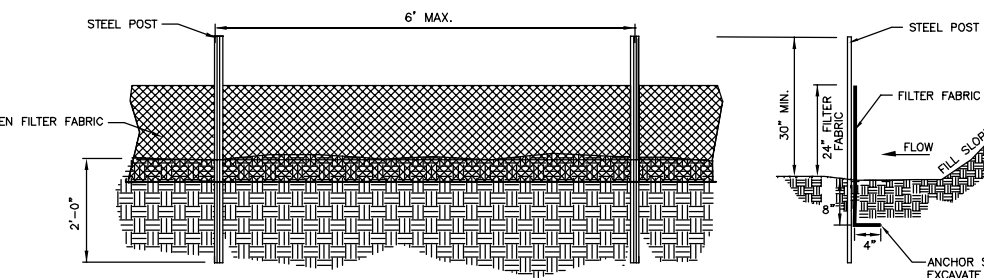
1. A STABILIZED ENTRANCE PAD OF 2-3" OF WASHED STONE AND/OR RAILROAD BALLAST SHALL BE LOCATED WHERE TRAFFIC WILL ENTER OR LEAVE THE CONSTRUCTION SITE ONTO A PUBLIC STREET.
2. FILTER FABRIC OR COMPACTED CRUSHER RUN STONE SHALL BE USED AS A BASE FOR THE CONSTRUCTION ENTRANCE.
3. THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC STREETS OR EXISTING PAVEMENT. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS WARRANT AND REPAIR OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT.
4. ANY SEDIMENT SPILLED, DROPPED, WASHED, OR TRACKED ONTO PUBLIC STREETS MUST BE REMOVED IMMEDIATELY. ANY AGGREGATE TRACKED INTO THE ROADWAY MUST BE SWEEPED BACK ON-SITE ON A NIGHTLY BASIS.
5. WHEN APPROPRIATE, WHEELS MUST BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTERING A PUBLIC STREET. WHEN WASHING IS REQUIRED, IT SHALL BE DONE IN AN AREA STABILIZED WITH CRUSHED STONE WHICH DRAINS INTO AN APPROVED SEDIMENT BASIN.
6. FOLLOW WORK AREA TRAFFIC CONTROL HANDBOOK (WATCH) FOR SIDEWALK CLOSURE OR DETOUR/DIVERSION.



5

STABILIZED CONSTRUCTION ENTRANCE

NOT TO SCALE



GENERAL NOTES:

1. WOVEN FILTER FABRIC BE USED WHERE SILT FENCE IS TO REMAIN FOR A PERIOD OF MORE THAN 30 DAYS.
2. STEEL POSTS SHALL BE 6"-8" IN HEIGHT AND BE OF THE SELF-FASTENER ANGLE STEEL TYPE.
3. TURN SILT FENCE UP SLOPE AT ENDS.
4. ORANGE SAFETY FENCE IS REQUIRED AT BACK OF SILT FENCE WHEN GRADING IS ADJACENT TO DRAIN BUFFERS, STREAMS OR WETLANDS. (REFER TO DRAIN BUFFER GUIDELINES). THE COLOR CHANGE IS RESERVED FOR VISUAL IDENTIFICATION OF ENVIRONMENTALLY SENSITIVE AREAS.
5. DRAINAGE AREA CAN NOT BE GREATER THAN 1/4 ACRE PER 100 FT. OF FENCE.
6. SLOPE EROSION CAN NOT EXCEED EROSION SHOWN IN TABLE 6.2.2A NORTH CAROLINA EROSION AND SEDIMENT CONTROL PLANNING AND DESIGN MANUAL.
7. DO NOT INSTALL SEDIMENT FENCE ACROSS STREAMS, DITCHES, WATERWAYS OR OTHER AREAS OF CONCENTRATED FLOW.

MAINTENANCE NOTES:

1. FILTER BARRIERS SHALL BE INSPECTED BY THE FINANCIALLY RESPONSIBLE PARTY OR HIS AGENT IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST ONCE DURING PROLONGED RAINFALL. ANY REPAIRS NEEDED SHALL BE MADE IMMEDIATELY.
2. SHOULD THE FABRIC DECOMPOSE OR BECOME INEFFECTIVE PRIOR TO THE END OF THE EXPECTED USABLE LIFE AND THE BARRIER STILL IS NECESSARY, THE FABRIC SHALL BE REPLACED PROMPTLY.
3. SEDIMENT DEPOSITS SHOULD BE REMOVED WHEN DEPOSITS REACH APPROX. HALF THE HEIGHT OF THE BARRIER. ANY SEDIMENT DEPOSITS REMAINING IN PLACE AFTER THE SILT FENCE IS REMOVED SHALL BE GRADDED TO CONFORM TO THE EXISTING GRADE, PREPARED AND RESEED.

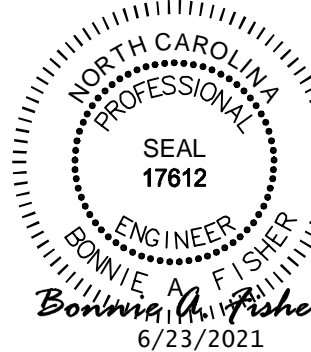
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TEMPORARY SILT FENCE

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TOWN OF WEDDINGTON

PLAZA IMPROVEMENTS

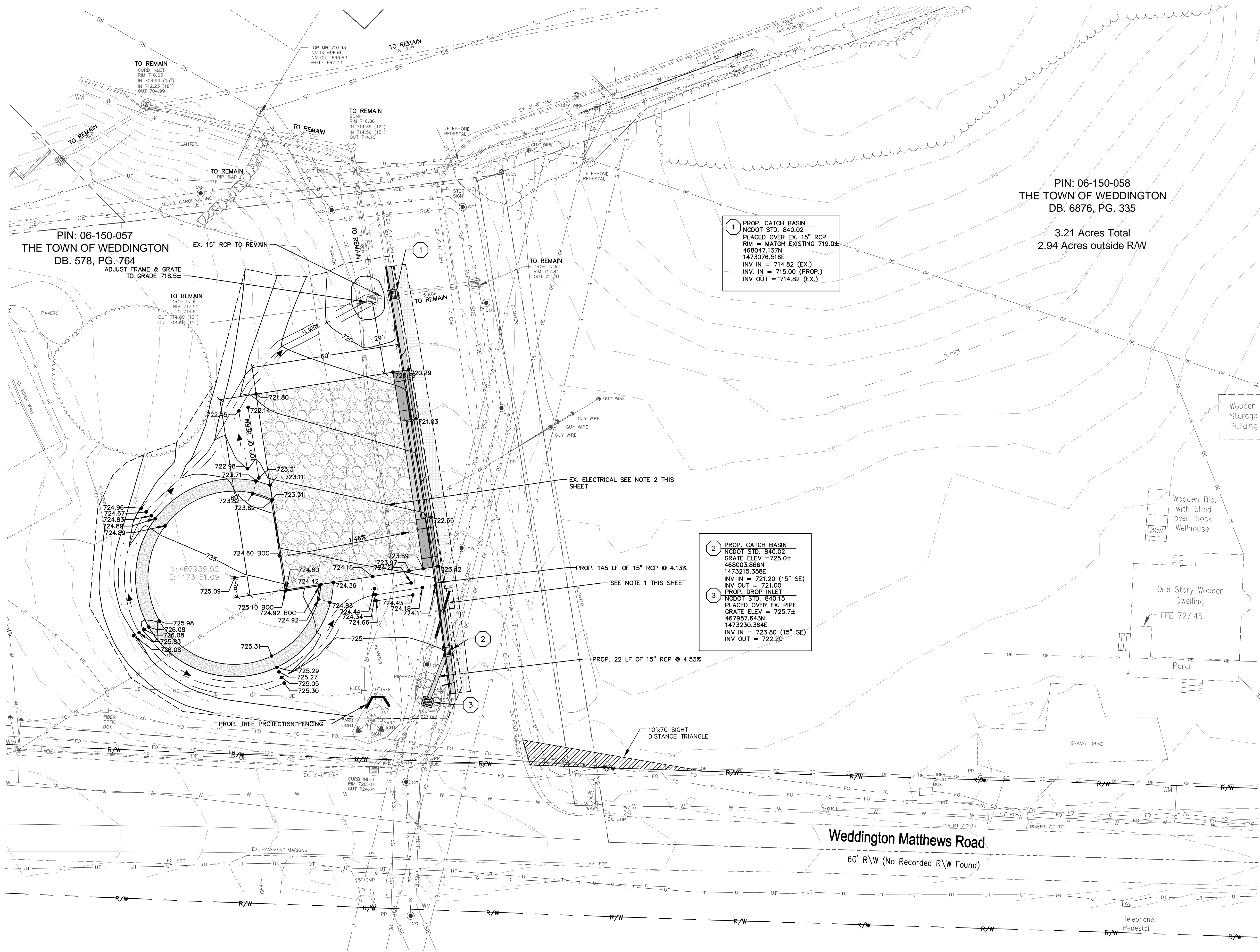
NO.	DATE:	DESCRIPTION:
REVISIONS		
PROJECT NUMBER:		2200051
DRAWN BY:		JMC/ABW
REVIEWED BY:		BAF
ISSUED FOR:		
DATE:		06/21/2021
DRAWING NAME:		

EROSION CONTROL DETAILS

DRAWING NUMBER:

EC-1

Date & Time: 6/22/2021 12:09 PM By: Williams, Adlen
Path: \\LABSRV-CLT1\USFiles\2200051 Weddington on call\22 Town site grading plan\CAD\Plan Sheets\Phase 2\2200051 - Site and Grading Plans PH2.dwg



NOTE:

1. FIELD LOCATE EX. SS LATERAL PRIOR TO STORM DRAINAGE INSTALLATION. RELOCATE EX. SS LATERAL AROUND STORM DRAINAGE WITH MATCHING DIAMETER DIP IF REQUIRED. REPLACE 20 LF± OF EX. SEWER LATERAL WITH MATCHING DIAMETER DIP AT STORM DRAINAGE CROSSING.
2. VERIFY LOCATION AND DEPTH OF ELECTRICAL LINE PRIOR TO SITE DISTURBANCE. COORDINATE WITH UTILITY OWNER AS NEEDED.

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ENGINEER
BONNIE A. FISHER
6/23/2021

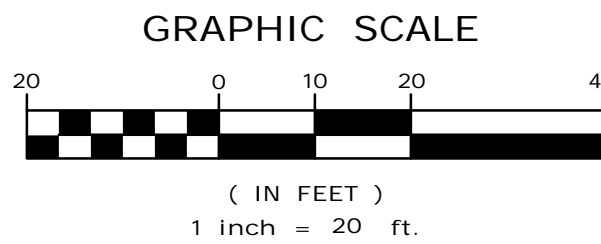
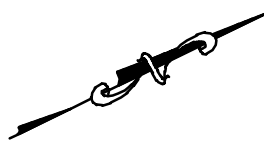
LaBella Associate A.C.
CERT. NO. 52904
NORTH CAROLINA
CHARLOTTE, N.C.

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TOWN OF WEDDINGTON

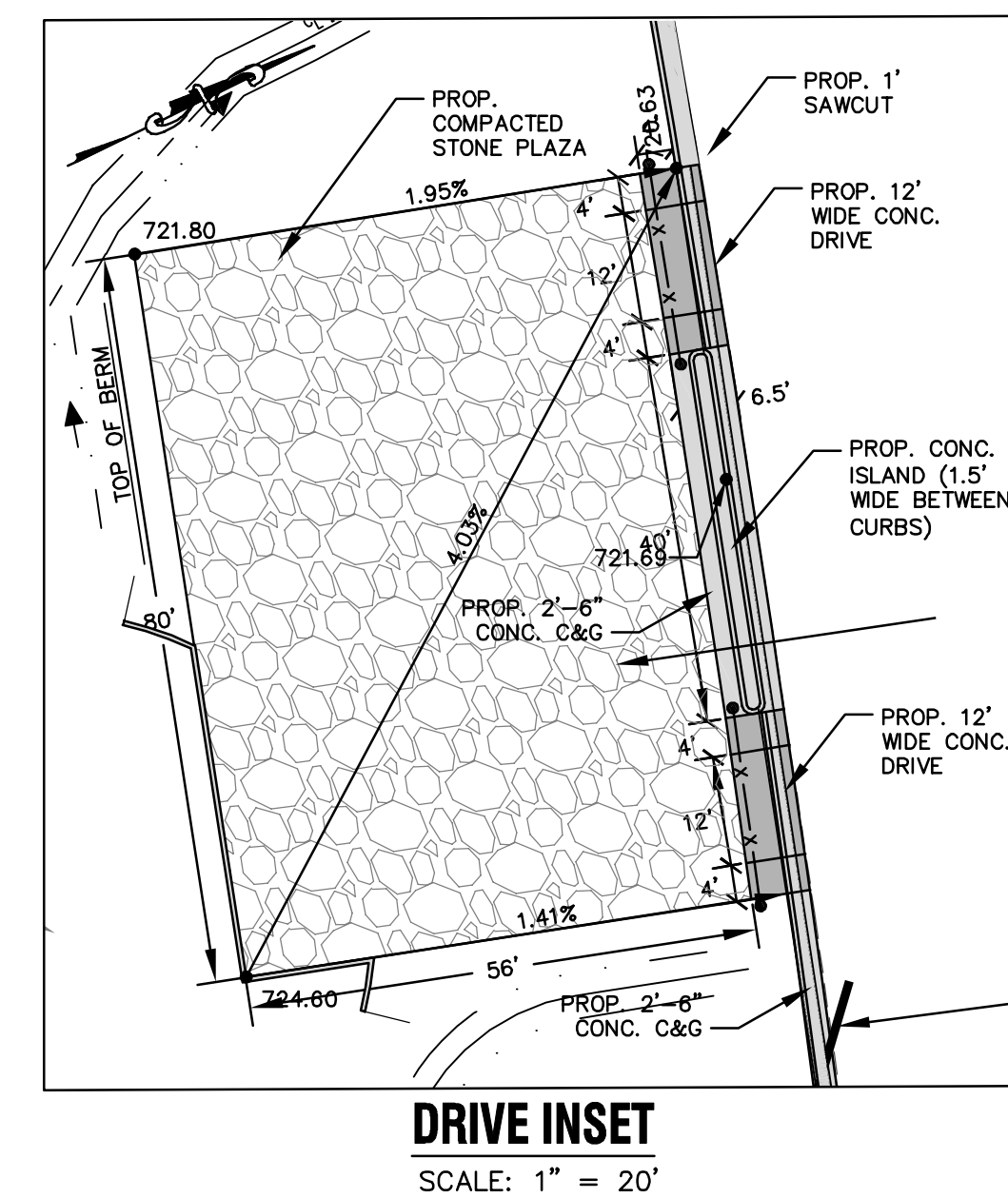
PLAZA
IMPROVEMENTS

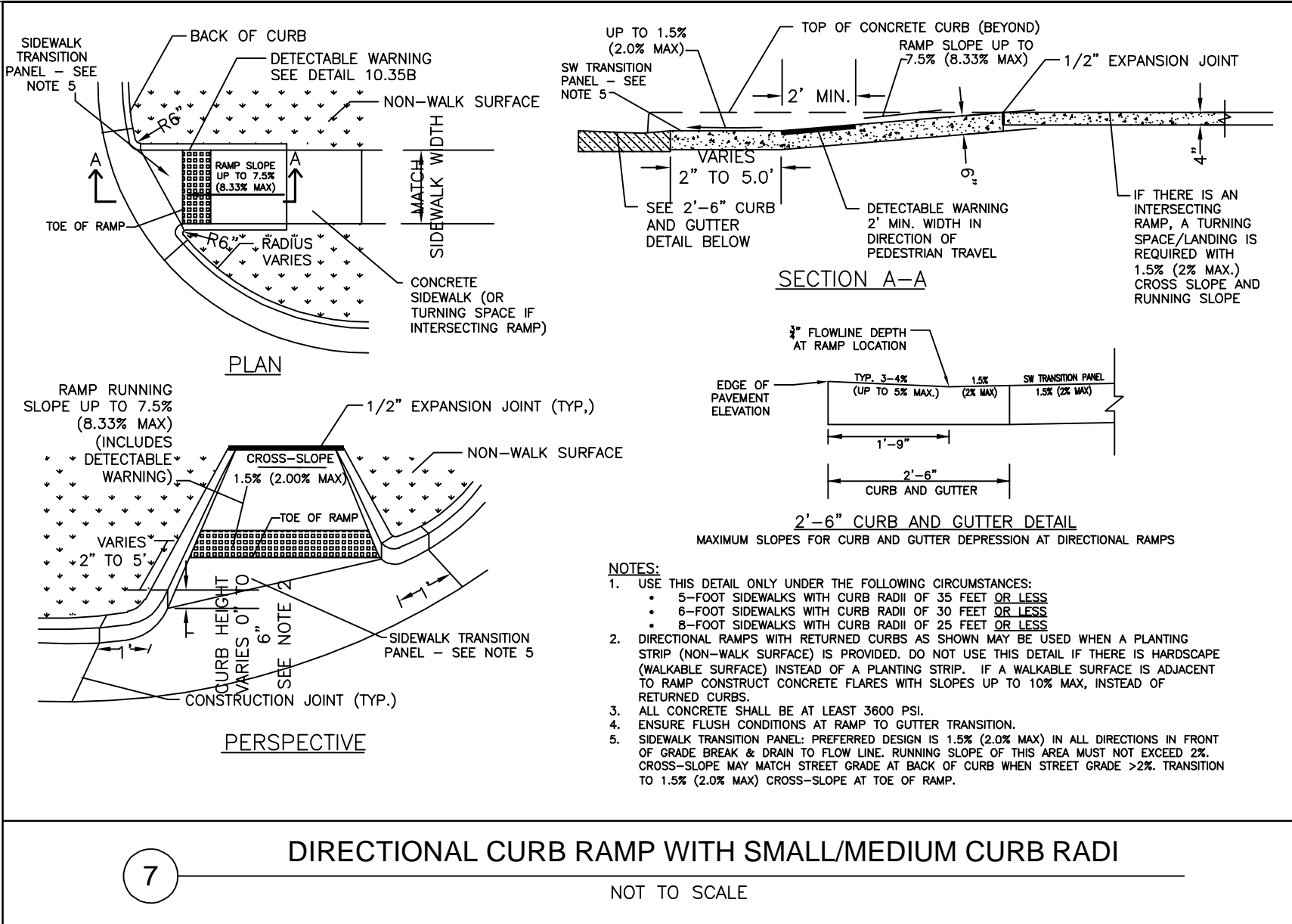
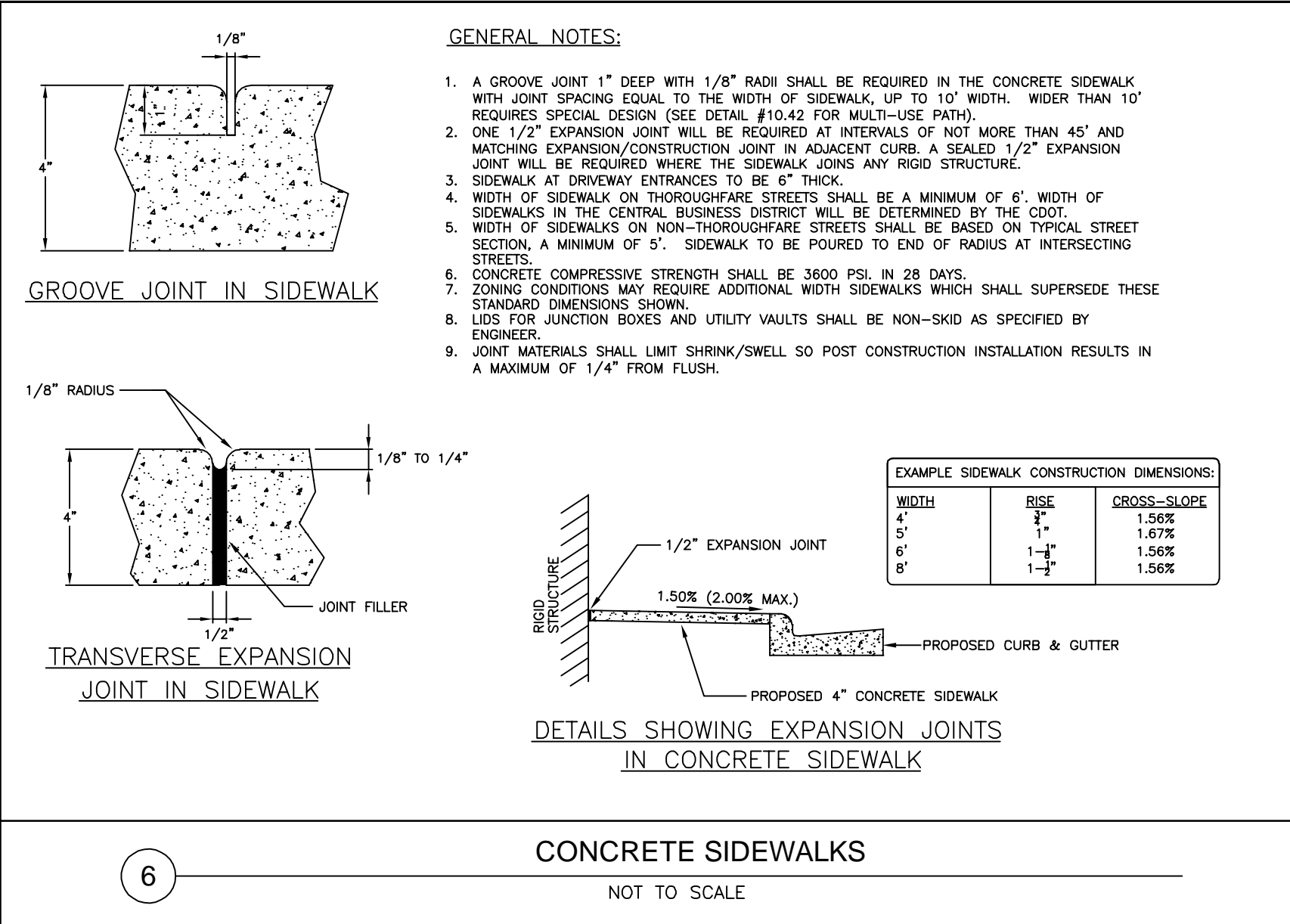
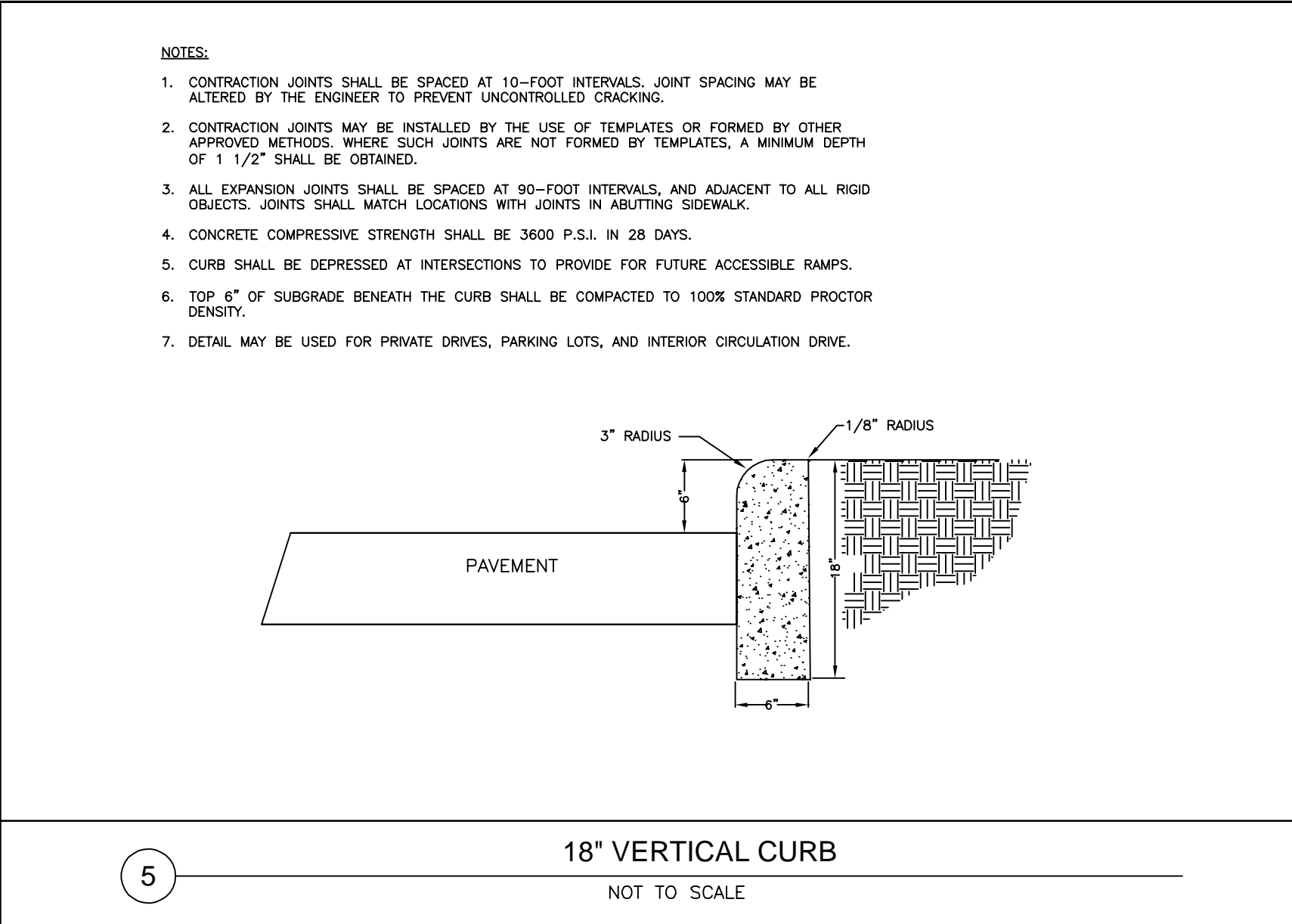


NO.	DATE:	DESCRIPTION:
REVISIONS	06/21/2021	SHEET UPDATED TO SHOW GRADING FOR WALKING PATH AND NEW DWELLING
PROJECT NUMBER:		
2200051		
DRAWN BY:		
JMC/ABW		
REVIEWED BY:		
BAF		
ISSUED FOR:		
DATE:		
06/21/2021		
DRAWING NAME:		

GRADING PLAN

DRAWING NUMBER:





TOWN OF WEDDINGTON

PLAZA IMPROVEMENTS

NO.	DATE:	DESCRIPTION:
REVISIONS	05/27/2021	SHEET UPDATED TO SHOW CURB, SIDEWALK, AND RAMP FOR WALKING PATH.
PROJECT NUMBER:		
2200051		
DRAWN BY:		
JMC/ABW		
REVIEWED BY:		
BAF		
ISSUED FOR:		
DATE:		
06/21/2021		
DRAWING NAME:		

GENERAL NOTES AND DETAILS

GENERAL NOTES:

BASE DATA:

- EXISTING CONDITIONS TAKEN FROM A TOPOGRAPHIC GROUND SURVEY BY LAWRENCE ASSOCIATES DATED 9/1/20. ALL COORDINATES BASED ON NAD 83 AND NAVD 88.

STANDARDS:

- ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH ALL TOWN OF WEDDINGTON, NORTH CAROLINA DEPARTMENT OF TRANSPORTATION (NCDOT), AND NCDEQ STANDARDS. THE STANDARDS CONTAINED ON THE PLANS AND SPECIFICATIONS AND THE LATEST VERSIONS THERETO ARE APPLICABLE TO THIS PROJECT AND BY REFERENCE ARE CONSIDERED A PART OF THESE PLANS. 2018 NCDOT ROADWAY STANDARD DRAWINGS AND SPECIFICATIONS SHALL BE USED.

GENERAL:

- ALL WORK SHALL BE COMPLETED WITHIN THE PUBLIC RIGHT-OF-WAY, LEGALLY OBTAINED EASEMENTS, AND/OR LEGALLY OBTAINED PROPERTY. THE CONTRACTOR ASSUMES ALL PERTINENT LIABILITIES WITHIN THESE AREAS.
- ALL CHANGES MADE DURING THE CONSTRUCTION PHASE SHALL BE APPROVED IN ADVANCE BY THE TOWN OF WEDDINGTON.
- THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION REGULATIONS.

CONSTRUCTION STAKING & GRADE LINE:

- THE GRADE LINES SHOWN DENOTE THE FINISHED ELEVATION OF THE PROPOSED SURFACING AT GRADE POINTS SHOWN ON THE PLANS. GRADE LINES MAY BE ADJUSTED AT THEIR BEGINNING AND ENDING AND AT STRUCTURES AS DIRECTED BY THE ENGINEER IN ORDER TO SECURE A PROPER TIE-IN OR PROPER DRAINAGE TO STREET OR DRAINAGE STRUCTURES.

- CONSTRUCTION STAKE OUT IS THE RESPONSIBILITY OF THE CONTRACTOR.

CLEARING:

- CLEARING ON THIS PROJECT SHALL BE PERFORMED TO THE LIMITS SHOWN ON THE GRADING PLAN.

SHOULDER CONSTRUCTION:

- EARTH SHOULDER CONSTRUCTION SHALL BE IN ACCORDANCE WITH NCDOT SPECIFICATION NO. 560.

STORM DRAINAGE GENERAL NOTES

- GRADES, ELEVATIONS AND LOCATIONS SHOWN ARE APPROXIMATE. AS DIRECTED BY THE ENGINEER, THEY MAY BE ADJUSTED TO ACCOMMODATE UNFORESEEN CONDITIONS. STATIONS, OFFSETS AND ELEVATIONS REFER TO THE CENTER OF ENDWALLS, INLETS, MANHOLES AND JUNCTION BOXES. PIPE AND CULVERT LENGTHS ARE REPORTED IN THE CONSTRUCTION DOCUMENTS FROM CENTER OF STRUCTURE TO CENTER OF STRUCTURE, INCLUDING TRANSITIONS, HORIZONTAL AND VERTICAL BENDS.
- REINFORCED CONCRETE PIPE MAY BE USED IN ALL STORM DRAIN APPLICATIONS. HIGH DENSITY POLYETHYLENE PIPE (HDPE) MAY BE SUBSTITUTED FOR PIPE DIAMETERS OF 48 INCHES OR LESS. CULVERTS 60 INCHES IN DIAMETER OR GREATER MAY BE CORRUGATED ALUMINIZED METAL PIPE (CAMP) OR ALUMINUM WITH A MINIMUM 14 GAUGE METAL.
- ALL PIPE SHALL BE PLACED IN ACCORDANCE TO NCDOT STANDARD SPECIFICATIONS SECTION 3 WITH THE BELL OR GROOVE UPGRADE AND THE JOINT ENTIRELY INTERLOCKING.
- ALL PIPES IN STORM DRAIN STRUCTURES SHALL BE FLUSH WITH THE INSIDE WALL.
- ALL 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.
- 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.
- STORM DRAINAGE PIPING SHALL BE PLACED IN A STRAIGHT ALIGNMENT AT UNIFORM GRADE. NO CHANGES IN ALIGNMENT SHALL BE ALLOWED EXCEPT AT CATCH BASINS, MANHOLES, OR OTHER JUNCTIONS THAT PROVIDE APPROPRIATE CLEAN OUT ACCESS. THE MAXIMUM LENGTH BETWEEN ACCESS POINTS IS 300 LINEAR FEET.
- ALL FRAMES, GRATES, RINGS, COVERS, ETC., MUST CONFORM TO THE STANDARDS SET FORTH IN ACCORDANCE TO NCDOT STANDARD SPECIFICATION.

STORM DRAINAGE REINFORCED CONCRETE

- ALL CONCRETE SHALL BE AT LEAST 3600 PSI. PRIOR APPROVAL SHALL BE OBTAINED IN ORDER TO USE PRE-CAST STORM DRAINAGE STRUCTURES IN ANY STREET RIGHT-OF-WAY BY TOWN ENGINEER REPRESENTATIVE.
- CONCRETE PIPE USED WITHIN THE STREET RIGHT-OF-WAY SHALL BE A MINIMUM OF CLASS III REINFORCED CONCRETE PIPE, WITH A MINIMUM DIAMETER OF FIFTEEN (15) INCHES.
- PREFORMED JOINT SEALER, WHICH CONFORMS TO AASHTO SPECIFICATION M-198 FOR TYPE B AND NCDOT 1032-6.F FOR FLEXIBLE PIPE GASKETS, SHALL BE USED.

INSTALLATION OF REINFORCED CONCRETE PIPE

- 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 SUITABLE MATERIAL IN ACCORDANCE WITH THE NCDOT STANDARD SPECIFICATIONS.
- 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 FOR PIPES INSTALLED IN THE STREET).
- 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 UN-BACKFILLED TRENCHES AFTER THE PIPE HAS BEEN PLACED.

PROPOSED CURB ELEVATIONS:

- THE CONTRACTOR SHALL SET AND ADJUST PROPOSED CURB ELEVATIONS AS NECESSARY TO ENSURE PROPER LONGITUDINAL GRADE FOR DRAINAGE. THE CONTRACTOR SHALL RETAIN EXISTING PAVEMENT OUTSIDE OF SAWCUT LIMITS UNLESS OTHERWISE NOTED. MINIMUM SLOPE FOR CONCRETE CURB AND GUTTER SHALL BE 0.60%

DRIVEWAYS:

- DRIVEWAYS SHALL BE CONSTRUCTED IN ACCORDANCE WITH GRADES PROVIDED IN THE NCDOT STANDARDS OR AS OTHERWISE NOTED ON THE PLANS AT LOCATIONS SHOWN ON PLANS OR AS DIRECTED BY THE ENGINEER.

EROSION CONTROL:

- THE CONTRACTOR SHALL INSTALL AND MAINTAIN EROSION CONTROL DEVICES IN ACCORDANCE WITH THE APPROPRIATE STATE EROSION AND SEDIMENT CONTROL ORDINANCES AND AS PROVIDED IN THE EROSION CONTROL PLANS. THE CONTRACTOR SHALL PREVENT STANDING WATER DUE TO CONSTRUCTION. DISTURBED AREAS SHALL BE SEEDED AND MULCHED AT THE DIRECTION OF THE ENGINEER. THE CONTRACTOR SHALL FOLLOW THE EROSION CONTROL MEASURES SHOWN ON THE EROSION CONTROL PLANS.

SAWCUTS:

- THE CONTRACTOR SHALL SAWCUT EXISTING ASPHALT AND/OR CONCRETE SURFACES PRIOR TO REMOVAL UNLESS OTHERWISE DIRECTED BY THE ENGINEER. SAW CUT WIDTH SHALL BE 1 FOOT MINIMUM FROM THE EXISTING EDGE OF PAVEMENT.

STONE BASE COURSE:

- THE SUBGRADE AND STONE BASE SHALL BE COMPACTED BY ROLLING WITH RING OR TAMPING ROLLER OR WITH A PNEUMATIC TIRED ROLLER WITH A MINIMUM WEIGHT OF TEN TONS. WHEN COMPLETED, THE BASE COURSE SHALL BE SMOOTH, HARD, DENSE, UNYIELDING AND WELL BONDED.
- THE MATERIAL FOR STONE BASE COURSE SHALL CONFORM TO THE REQUIREMENTS OF SECTION 1010, AGGREGATE FOR NON-ASPHALT FLEXIBLE TYPE BASE, AND SECTION 520, AGGREGATE BASE COURSE OF THE NORTH CAROLINA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES.
- THE TOWN INSPECTOR SHALL BE GIVEN A (24) TWENTY-FOUR HOUR NOTIFICATION TO INSPECT THE SUBGRADE DEFICIENCIES. ALL DEFICIENCY REPAIRS ARE TO BE MONITORED BY A TOWN INSPECTOR AND ACCEPTED PRIOR TO APPLICATION OF FINAL LAYER.

SIDE SLOPES:

- LIMITS OF PROPOSED SLOPES ARE INDICATED IN THE PLANS, DETAILS AND STANDARD DRAWINGS. THE MAXIMUM SLOPE SHALL NOT EXCEED A 3:1 (HORIZONTAL TO VERTICAL) UNLESS DESIGNATED BY THE ENGINEER. A CUT SLOPE OF 2:1 MAXIMUM WILL BE USED ONLY AS DIRECTED BY THE ENGINEER. SIDE SLOPES MAY BE ALTERED TO ENSURE PROPER DRAINAGE TO THE ROADWAY.

SUBSURFACE PLANS:

- NO SUBSURFACE PLANS ARE AVAILABLE ON THIS PROJECT. THE CONTRACTOR SHOULD MAKE HIS OWN INVESTIGATION AS TO THE SUBSURFACE CONDITIONS.

TOLERANCE:

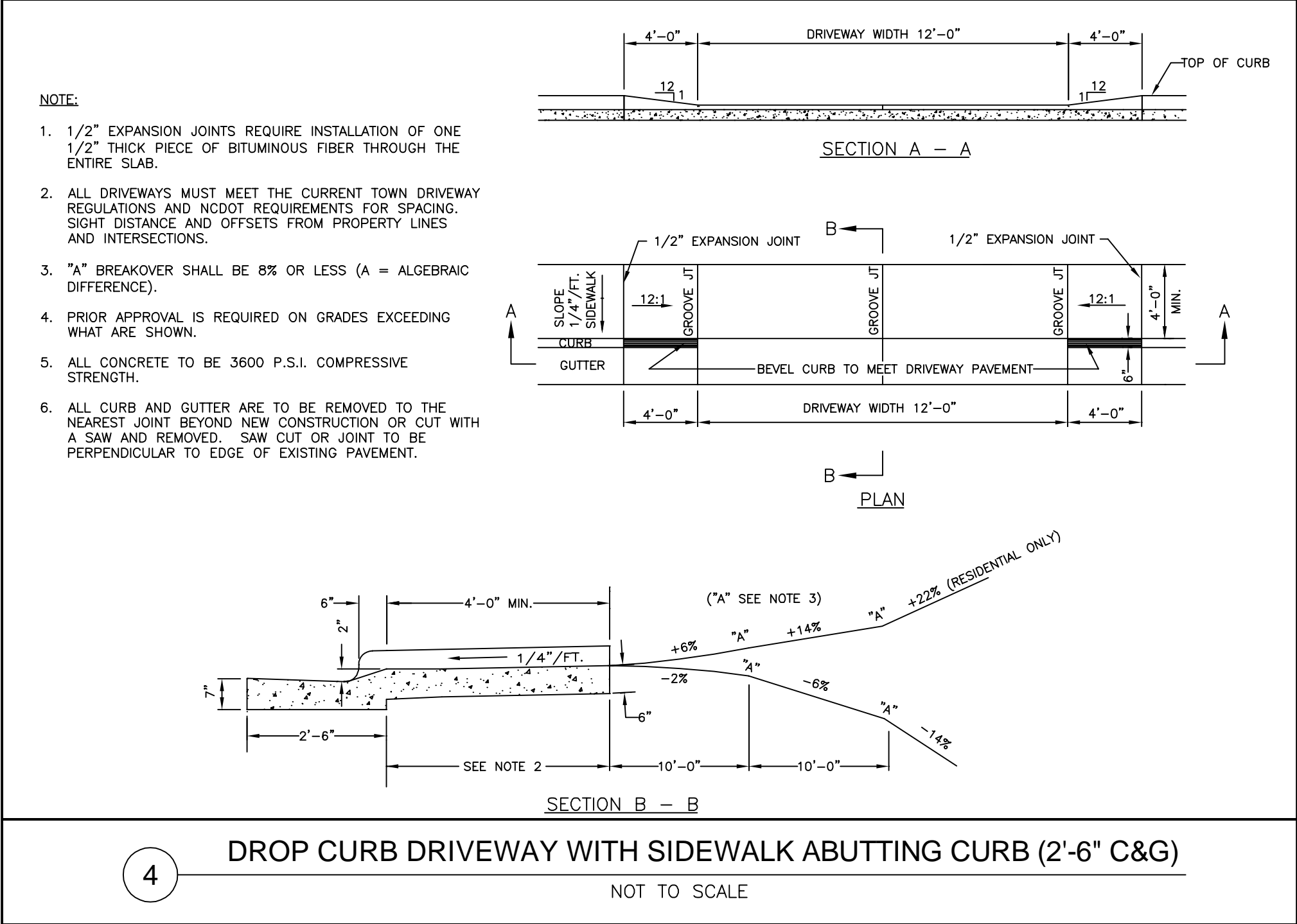
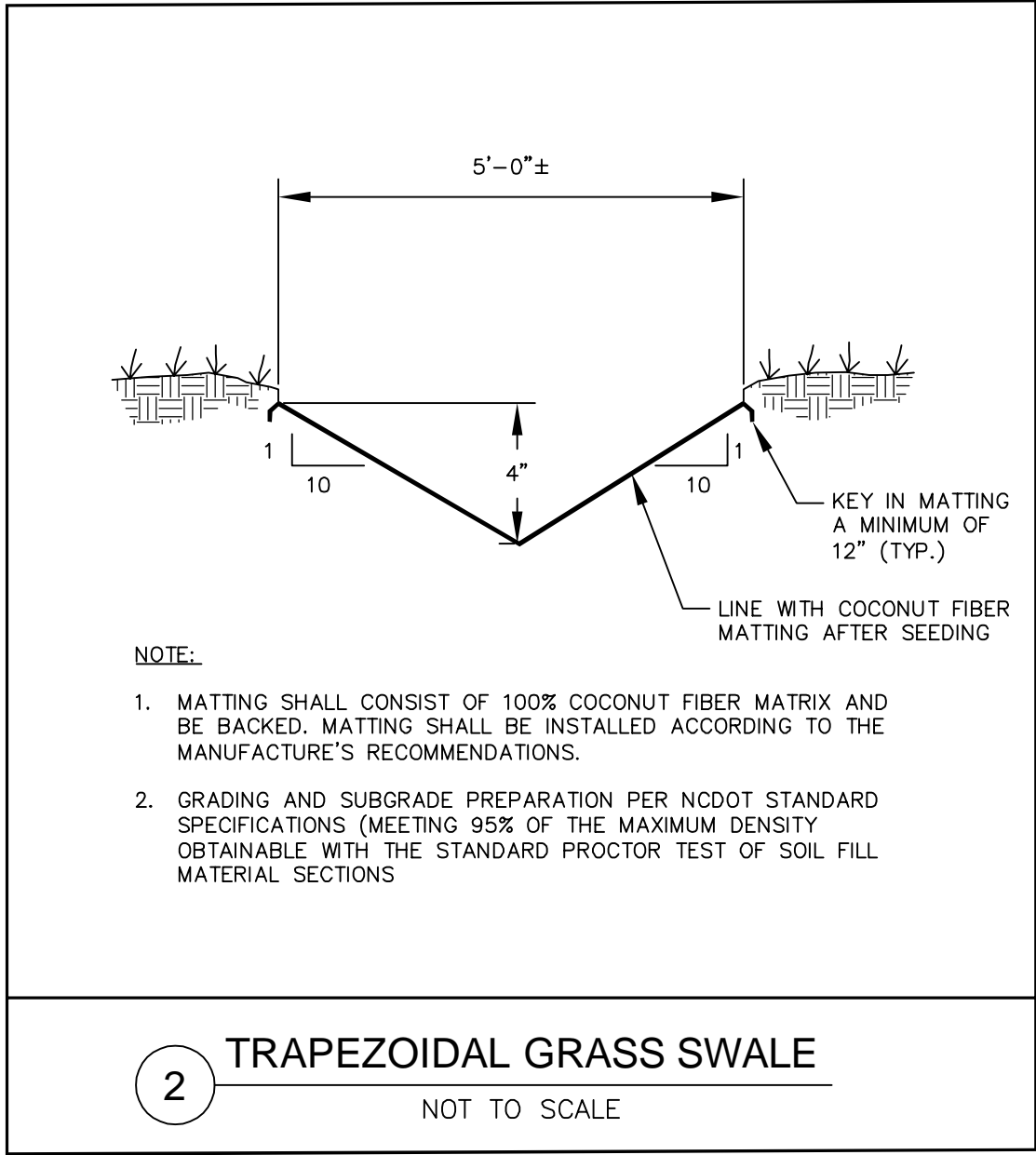
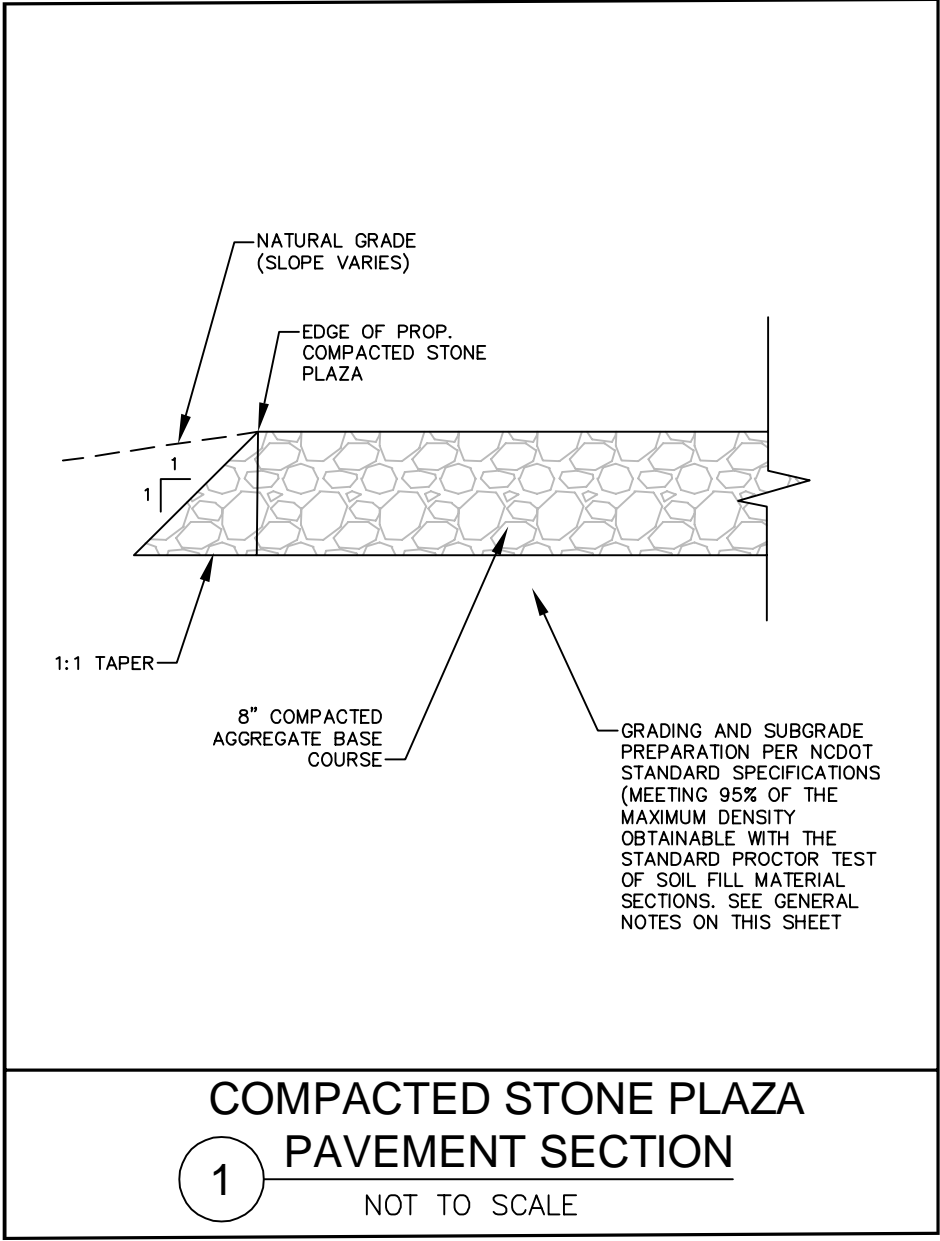
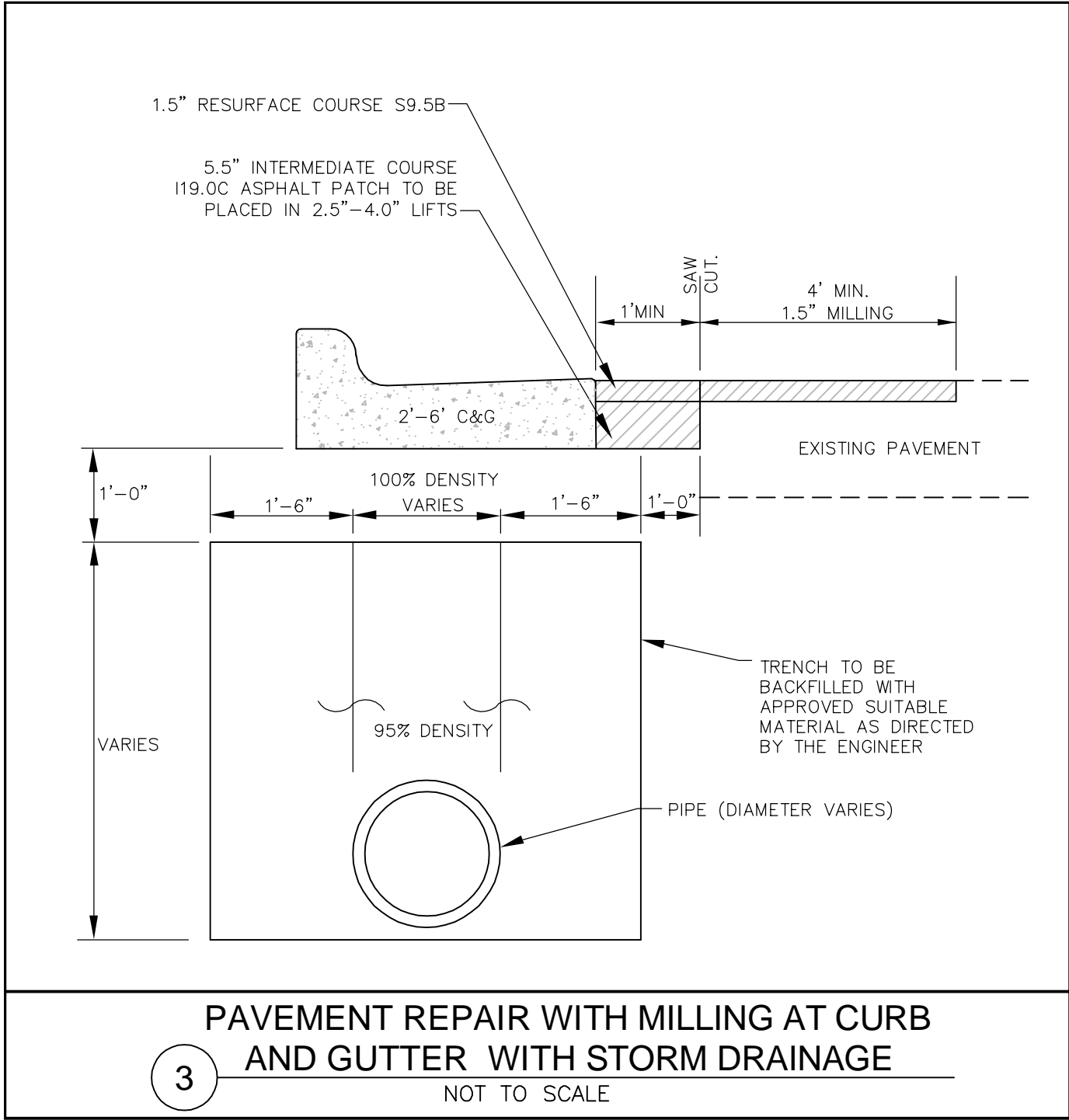
- STORM DRAINAGE STRUCTURES SHALL HAVE A TOLERANCE OF ±0.10 FEET.

TRAFFIC CONTROL:

- TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH THE MOST CURRENT EDITION OF THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) AND NCDOT STANDARDS.

UTILITIES:

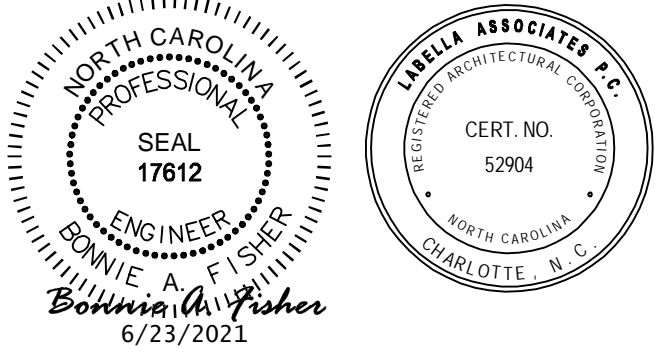
- FOR UTILITY LOCATES CALL NORTH CAROLINA ONE-CALL @ 1-800-632-4949. UTILITIES ARE ILLUSTRATED FOR INFORMATION PURPOSES ONLY. THE OWNER WILL NOT BE HELD RESPONSIBLE FOR THE ACCURACY OF UTILITY LOCATIONS, SIZES, DEPTHS, OR FOR COMPLETENESS OF UTILITY INFORMATION.
- ANY RELOCATION OF EXISTING PRIVATE UTILITIES WILL BE COMPLETED BY OTHERS. EXISTING PUBLIC UTILITIES SHALL BE REPLACED/RELOCATED AS SHOWN ON THE PLANS AND DETAILS.
- PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY AND MEET WITH ALL UTILITIES AFFECTED TO DETERMINE UTILITY LOCATIONS. THE CONTRACTOR SHALL PROTECT ALL UTILITIES FROM DAMAGE CAUSED BY HIS OPERATIONS OR THOSE OF HIS AGENTS. THE CONTRACTOR SHALL HOLD THE OWNER HARMLESS FOR ANY THIRD-PARTY INCONVENIENCE CREATED BY WORK OF HIS OWN FORCES OR THAT OF HIS AGENTS. ANY DAMAGES INCURRED SHALL BE THE CONTRACTORS FINANCIAL RESPONSIBILITY. THE CONTRACTOR SHALL COORDINATE WORK WITH UTILITY OWNERS SO AS NOT TO ADVERSELY AFFECT THE PROJECT SCHEDULE. THE CONTRACTOR SHALL STAY A MINIMUM OF 5 FEET AWAY FROM ALL UTILITY POLES.



LaBella

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TOWN OF WEDDINGTON

PLAZA IMPROVEMENTS

NO.	DATE:	DESCRIPTION:
REVISIONS	05/21/2021	SHEET UPDATED TO SHOW NEW SWALE DESIGN
PROJECT NUMBER:		
2200051		
DRAWN BY:		
JMC/ABW		
REVIEWED BY:		
BAF		
ISSUED FOR:		
DATE:		
06/21/2021		
DRAWING NAME:		

GENERAL NOTES AND DETAILS

DRAWING NUMBER:

2A