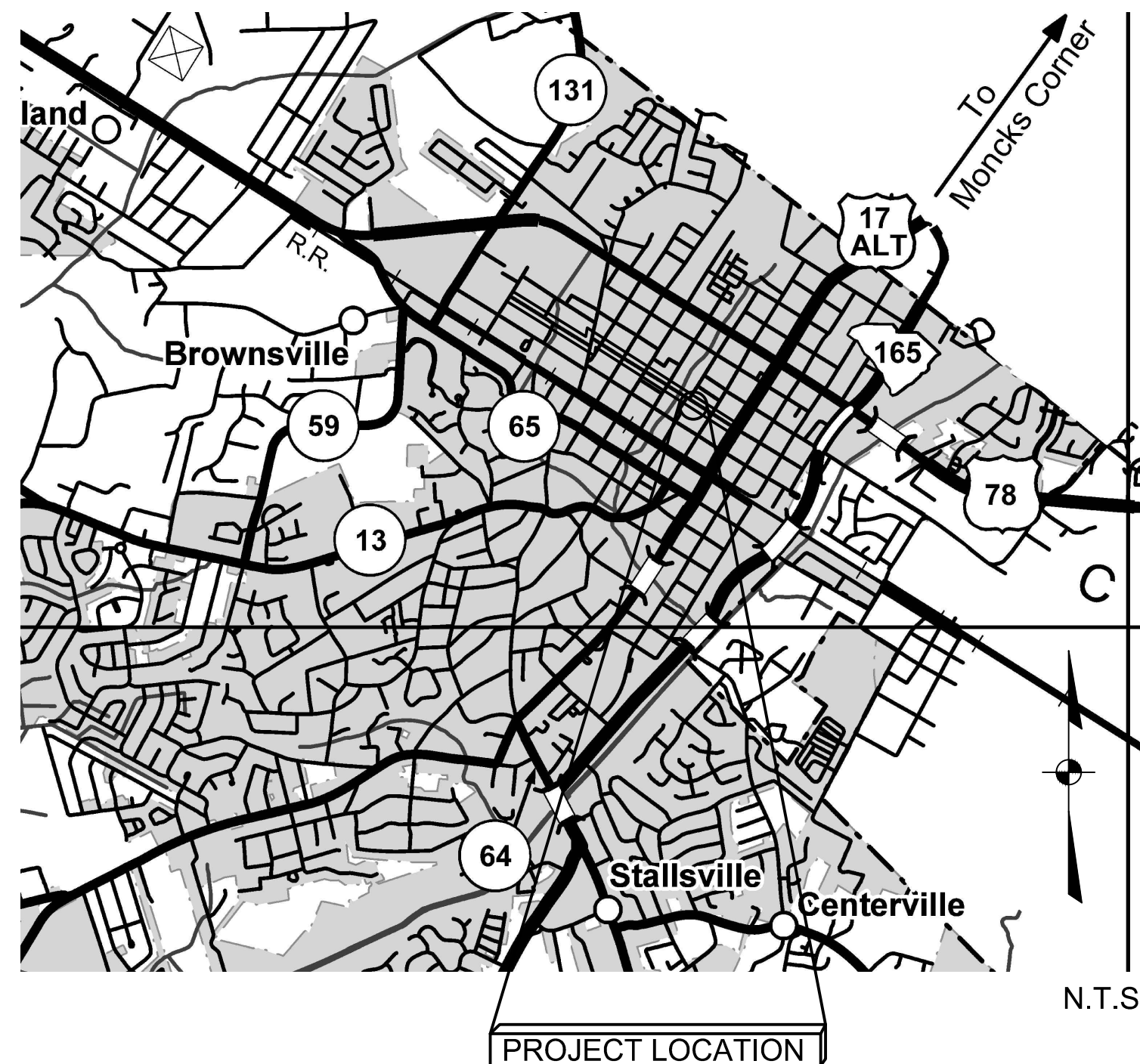
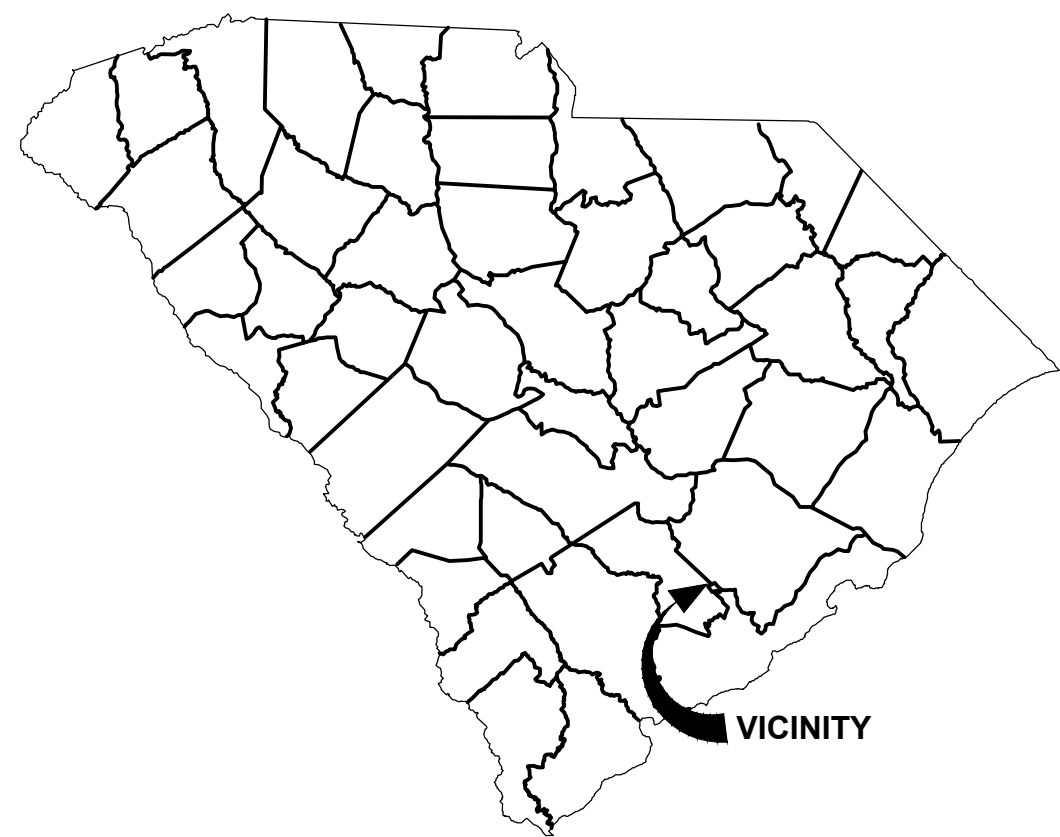


# TOWN OF SUMMERVILLE PLANS OF W. 2ND NORTH ST. SIDEWALK IMPROVEMENTS TOWN OF SUMMERVILLE DORCHESTER COUNTY

INDEX OF SHEETS	
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C3.02	CONSTRUCTION PLAN
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C5.01	CONSTRUCTION DETAILS
C5.02	CONSTRUCTION DETAILS
C5.03	CONSTRUCTION DETAILS



### GENERAL NOTES

1. THE PURPOSE OF THIS PLAN IS TO SHOW THE SITE WORK ASSOCIATED WITH THE NEIGHBORHOOD REVITALIZATION PROJECT, WHICH WILL CONSIST OF ROADWAY AND SIDEWALK IMPROVEMENTS ALONG W. 2ND NORTH STREET IN SUMMERVILLE, SC.
2. SURVEY IS BASED ON A FIELD-RUN TOPOGRAPHIC SURVEY PERFORMED BY MA ENGINEERING CONSULTANTS, INC IN FEBRUARY 2017 AND REFLECTS SITE CONDITIONS AS OF THAT DATE.
3. UTILITIES LINES SHOWN HEREON WERE FIELD DESIGNATED BY OTHERS.
4. THE CONTRACTOR, 3 DAYS PRIOR TO DIGGING AND NOT MORE THAN 10 DAYS, SHALL CONTACT THE "PALMETTO UTILITY PROTECTION SERVICE" AT 1-888-SC1-PUPS.
5. CONFIRM EXISTING UTILITY LOCATIONS, DEPTHS AND INVERTS WITHIN THE WORK AREA PRIOR TO COMMENCING ANY WORK. COORDINATE ALL WORK AND DETAILS WITH THE ENGINEER AND/OR UTILITY COMPANY. NOTIFY OWNER'S REPRESENTATIVE IF DISCREPANCIES EXISTS.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL WORK ZONE SAFETY AS MANDATED BY OSHA, THE TOWN, SCDOT OR THE OWNERS AUTHORIZED REPRESENTATIVE.
7. THE CONTRACTOR SHALL CHECK AND VERIFY ALL EXISTING CONDITIONS PRIOR TO CONSTRUCTION.
8. ALL PERIMETER EROSION CONTROL MEASURES MUST BE IN PLACE BEFORE ANY WORK BEGINS. THE CONTRACTOR SHALL IMPLEMENT AND MAINTAIN ALL EROSION AND SEDIMENTATION CONTROL MEASURES, TEMPORARY AS WELL AS PERMANENT, THROUGHOUT THE LIFE OF THE PROJECT.
9. SWALES, PIPES, INLETS AND OTHER STORMWATER MANAGEMENT FACILITIES SHALL BE MAINTAINED IN DESIGN CONDITION AND KEPT FREE OF FILL AND OBSTRUCTIONS.
10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL PERMITS FROM THE TOWN RELATIVE TO THE CONSTRUCTION PROPOSED ON THIS PLAN.
11. CONTRACTOR SHALL PROTECT ALL CORNER PINS, MONUMENTS, PROPERTY CORNERS, AND BENCHMARKS DURING DEMOLITION ACTIVITIES. IF DISTURBED, CONTRACTOR SHALL HAVE DISTURBED ITEMS RESET BY A LICENSED SURVEYOR AT NO ADDITIONAL COST TO THE OWNER.
12. CONTRACTOR SHALL ADHERE TO ALL LOCAL, STATE, FEDERAL, AND OSHA REGULATIONS WHEN OPERATING EQUIPMENT AROUND UTILITIES AND ESPECIALLY EXISTING OVERHEAD POWER LINES.
13. CONTRACTOR SHALL PROVIDE AND MAINTAIN TRAFFIC CONTROL MEASURE IN ACCORDANCE WITH THE MUTCD, "WORK ZONE SAFETY GUIDELINES FOR THE SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION, MUNICIPALITIES, COUNTIES, UTILITIES, AND CONTRACTORS", SCDOT STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION AND APPLICABLE SCDOT TRAFFIC ENGINEERING STANDARD DRAWINGS AS REQUIRED BY LOCAL AGENCIES WHEN WORKING IN AND/OR ALONG STREETS, ROADS, HIGHWAYS, ETC. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE WITH LOCAL AND/OR STATE AGENCIES REGARDING THE NEED, EXTENT, AND LIMITATIONS ASSOCIATED WITH INSTALLING AND MAINTAINING TRAFFIC CONTROL MEASURES. SEE TRAFFIC CONTROL NOTES.
14. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TRAFFIC CONTROL, TRENCH BARRICADING AND COVERING, SHEETING AND SHORING AS NECESSARY.

### LEGEND

EXISTING FEATURES:	PROPOSED FEATURES:
BUILDING OUTLINE	MAJOR CONTOUR
CONCRETE CURB & GUTTER	MINOR CONTOUR
EXISTING CONTOUR	SILT FENCE
UNDERGROUND ELECTRICAL	CONSTRUCTION BASELINE
UNDERGROUND COMMUNICATIONS	CONCRETE SIDEWALK
WATER LINE	BITUMINOUS PAVEMENT
SANITARY LINE	INLET STRUCTURE FILTER, TYPE B
STORM DRAIN	FLOW ARROW
HIGH PRESSURE STEAM	
EDGE OF PAVEMENT	
RPW AREA BOUNDARY	
BOLLARD	
BENCHMARK/ CONTROL POINT	
COMMUNICATION MANHOLE	
CONCRETE SIDEWALK	
DRAINAGE MANHOLE	
ELECTRIC TRANSFORMER	
FIRE HYDRANT	
GAS VALVE	
GUY WIRE	
IRON PIPE	
LIGHT POLE	
POST INDICATOR VALVE	
POWER POLE	
SEWER CLEANOUT	
SEWER MANHOLE	
SIGN	
SHRUB	
TELEPHONE PEDESTAL	
TREE	
TRAVERSE NAIL	
TELEVISION PEDESTAL	
WELL	
WATER METER	
WATER VALVE	



3 DAYS BEFORE DIGGING IN

SOUTH CAROLINA

CALL 1-888-SC1-PUPS

PALMETTO UTILITY PROTECTION SERVICE

ENGINEER:

952 HOUSTON NORTHCUTT BLVD., SUITE 100  
MT. PLEASANT, SC 29464  
P: (843)556-2624 | F: (843)556-4329 | www.jmt.com

SURVEYOR:

**MA Engineering  
CONSULTANTS, INC**  
1941 Savage Road Suite 400-D  
Charleston, SC 29407  
Phone: 1-877-623-2123 Fax: 843-556-1565  
Cary, NC Dulles, VA Charleston, SC  
www.maec.com

SEALS

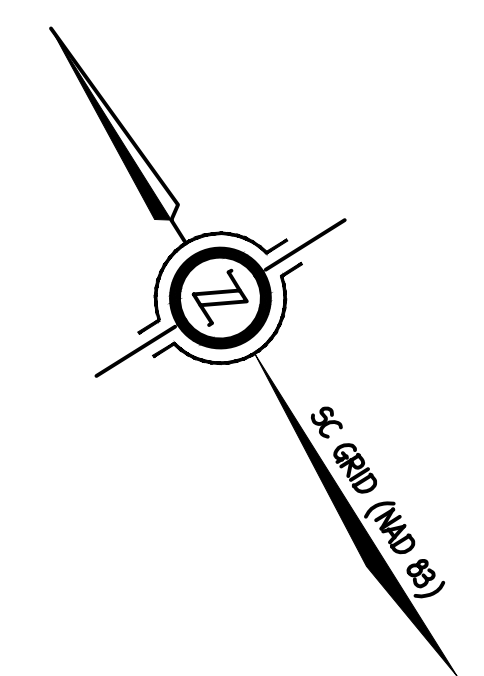
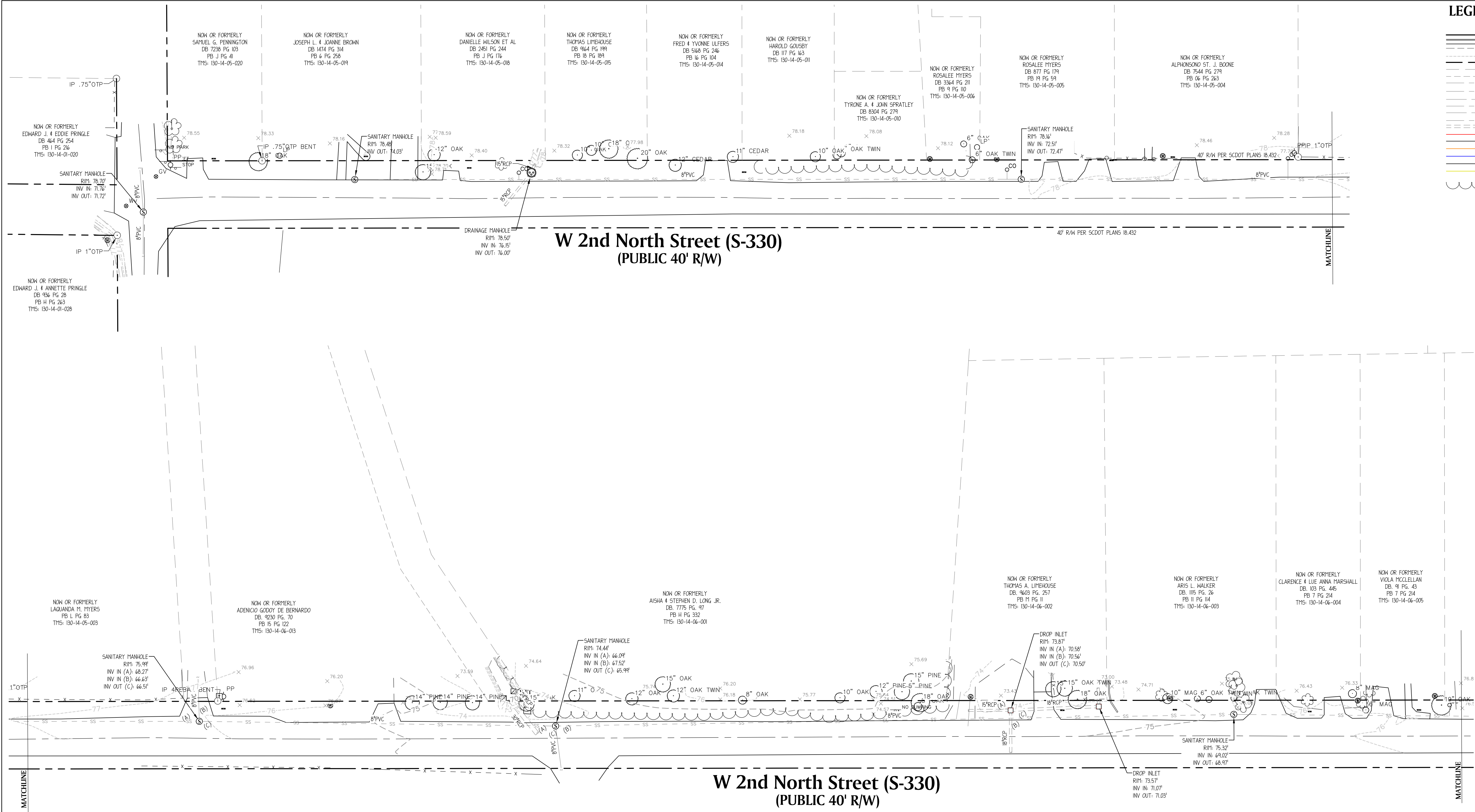
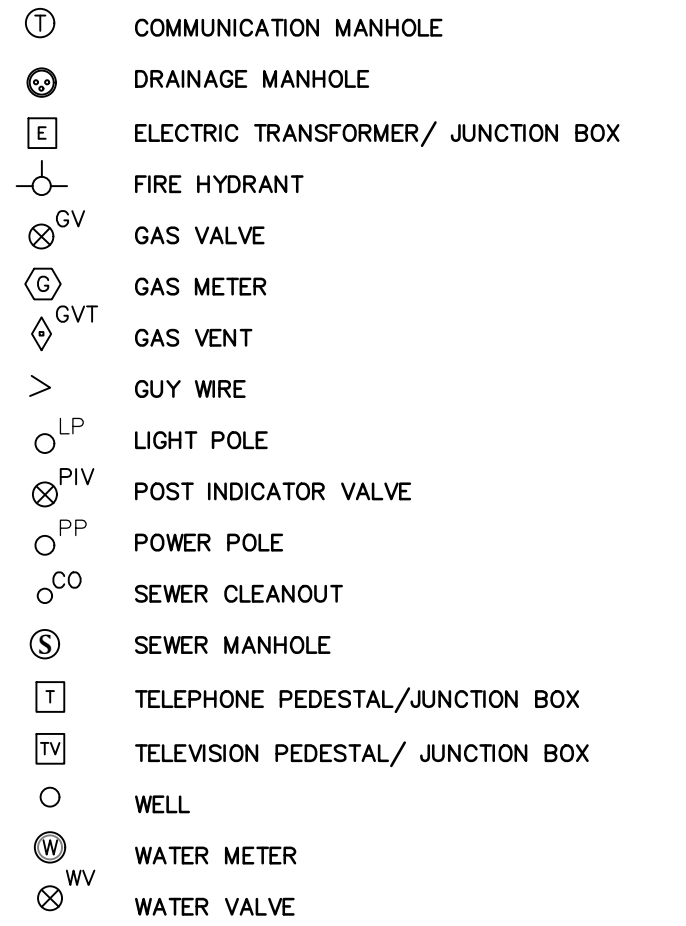
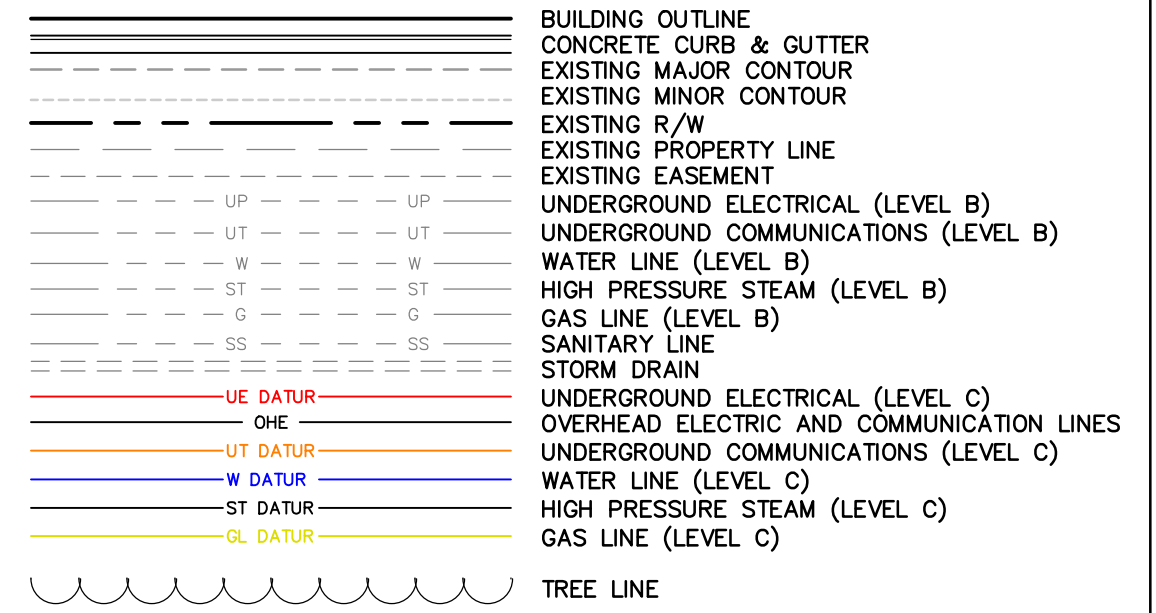
TOWN OF SUMMERVILLE  
200 SOUTH MAIN STREET

TOWN OF SUMMERVILLE	DORCHESTER COUNTY, SC
PROJECT NO. 16-1371-001	DRAWING NO.
DATE AUGUST 11, 2017	C0.00
SCALE NTS	
DRAWN BY RSM	
CHECKED BY NMB	

NOTE: ALL DIMENSIONS AND CONDITIONS SHALL BE VERIFIED BY THE CONTRACTOR AT THE SITE BEFORE PROCEEDING WITH THE WORK.

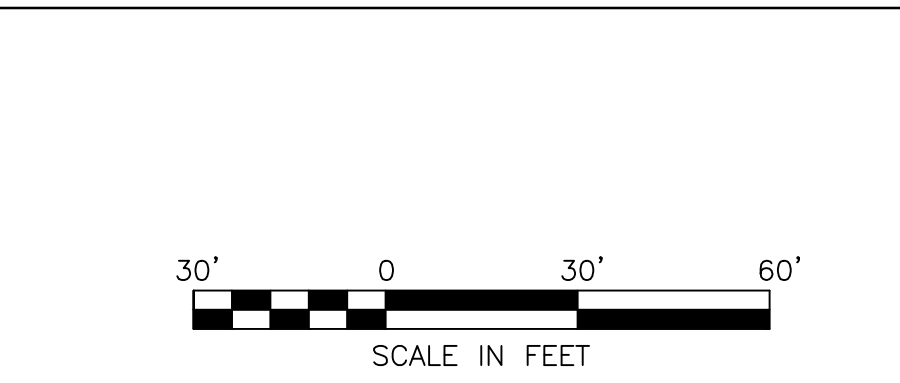
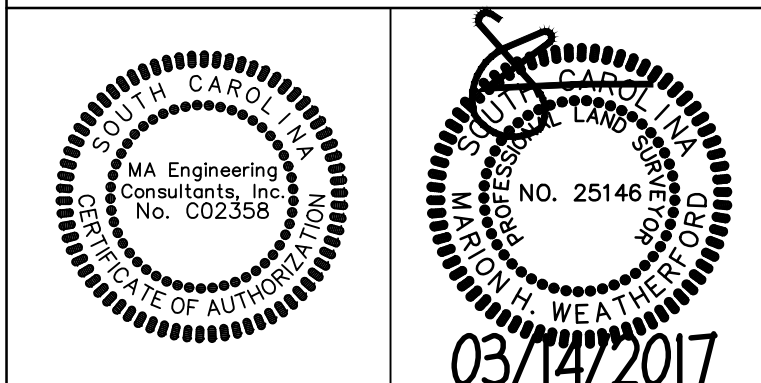


**LEGEND**



**GENERAL NOTES:**

- HORIZONTAL DATUM: NAD 1983/2011(SC)  
VERTICAL DATUM: NAVD 1988
- SURVEY BASED ON PHYSICAL EVIDENCE FOUND ON MAY 2015.
- BOUNDARY INFORMATION TAKEN FROM PLATS AS SHOWN.
- THIS SURVEY WAS PERFORMED WITHOUT THE BENEFIT OF A TITLE COMMITMENT REPORT. MA ENGINEERING CONSULTANTS, INC., DOES NOT CLAIM THAT ALL MATTERS OF RECORD WHICH MAY OR MAY NOT AFFECT THE SUBJECT PROPERTY ARE SHOWN HEREON.
- THE OFF-SITE RIGHT-OF-WAY/PROPERTY LINE SHOWN HEREON IS FOR ILLUSTRATIVE PURPOSES ONLY. THE UNDERSIGNED CERTIFIES ONLY TO THE RIGHT-OF-WAY/PROPERTY LINES SURVEYED, AND DOES NOT CERTIFY TO THE RIGHT-OF-WAY WIDTH/PROPERTY LINE OF ANY ADJACENT PROPERTIES.
- THE SUBJECT PROPERTY IS LOCATED WITHIN 2000' OF A HORIZONTAL NGS MONUMENT.
- HORIZONTAL COORDINATES BASED UPON STATIC AND RTK GPS OBSERVATIONS USING SPECTRA PRECISION "SP 80" UNITS. THE BASE UNIT WAS SET UP ON MA ENGINEERING CP #100 (STATIC). THE NETWORK POSITIONAL ACCURACY OF THE RTK DERIVED POSITIONAL COORDINATES MEETS OR EXCEEDS THE CLASS A HORIZONTAL POSITIONS. COORDINATES
- BASED UPON GEOD 12A NSRS 2011 AND HAVE A 95% CONFIDENCE RATING. VERTICAL DATUM HAS BEEN ADJUSTED TO NAVD '88.
- PROPERTY MAY BE SUBJECT TO UNRECORDED RIGHT-OF-WAYS OR EASEMENTS NOT OBSERVED.
- AREAS COMPUTED BY COORDINATE METHOD



REVISIONS		
NO.	DATE	DESCRIPTION

TOWN OF SUMMERVILLE  
200 SOUTH MAIN ST.  
SUMMERVILLE, SC 29483

**MA Engineering CONSULTANTS, INC**  
1941 Savage Road Suite 400-D  
Charleston, SC 29407  
Phone: 1-877-623-2123 Fax: 843-556-1565  
Cary, NC Dulles, VA Charleston, SC  
www.maec.com

EXISTING CONDITIONS PLAN	
DRAWN BY: ---	DATE: 3.23.17
DESIGNED BY: ---	SCALE: 1"=30'
CHECKED BY: ---	

WEST SECOND NORTH ST.  
NEIGHBORHOOD REVITALIZATION PROJECT  
TOWN OF SUMMERVILLE DORCHESTER COUNTY

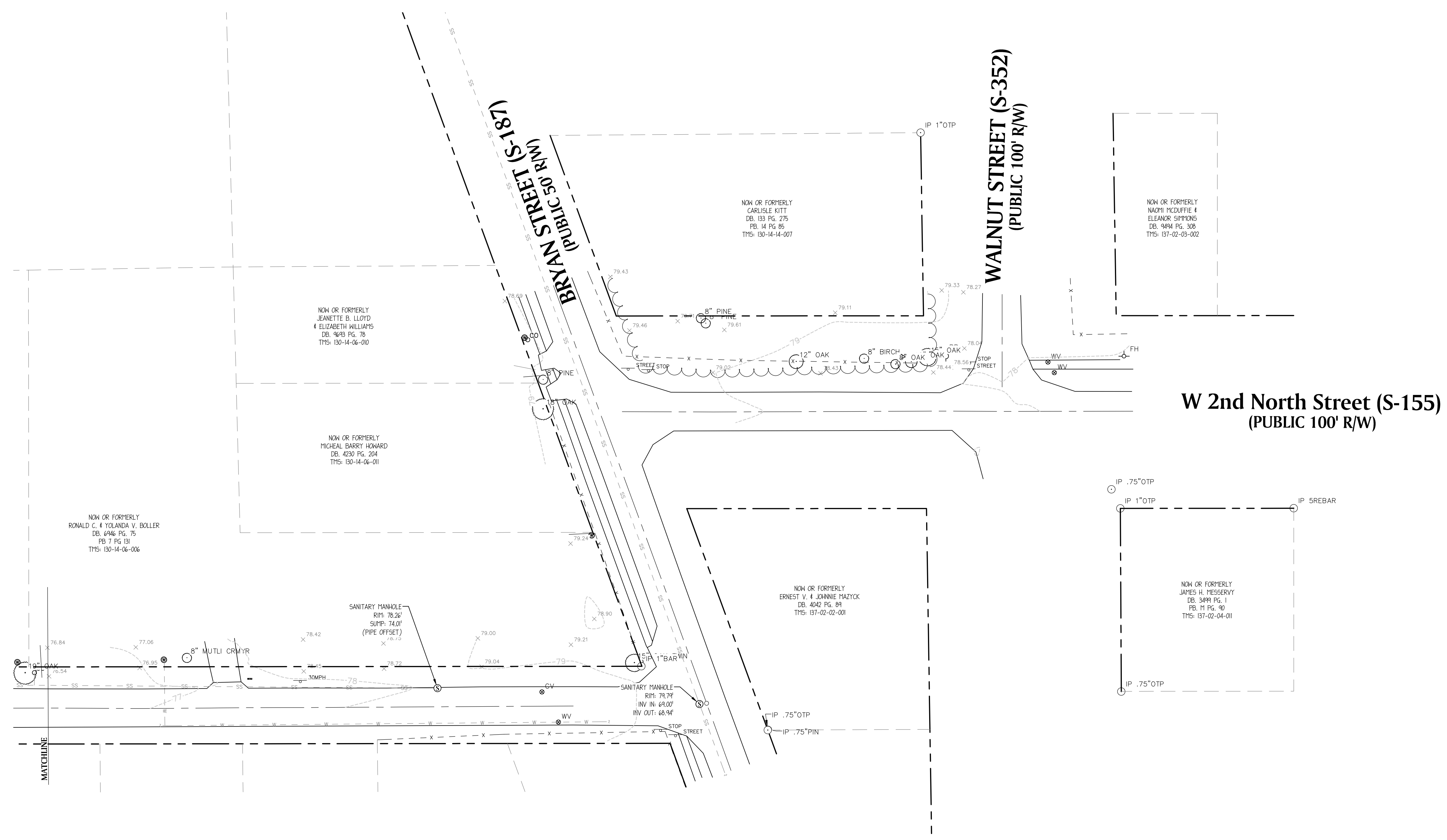
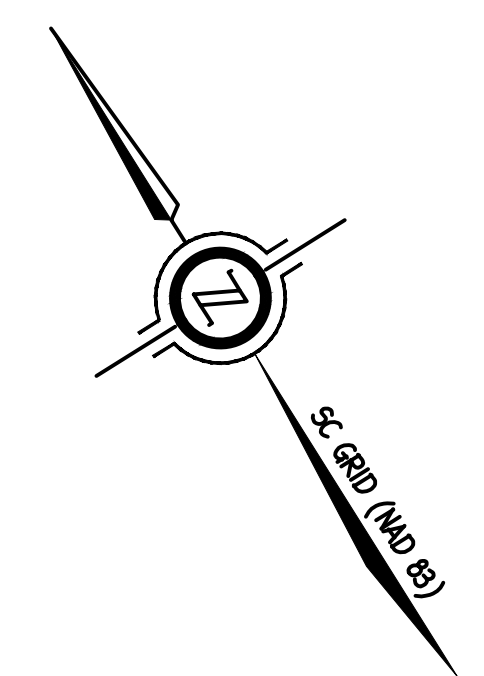
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C1.00



**LEGEND**

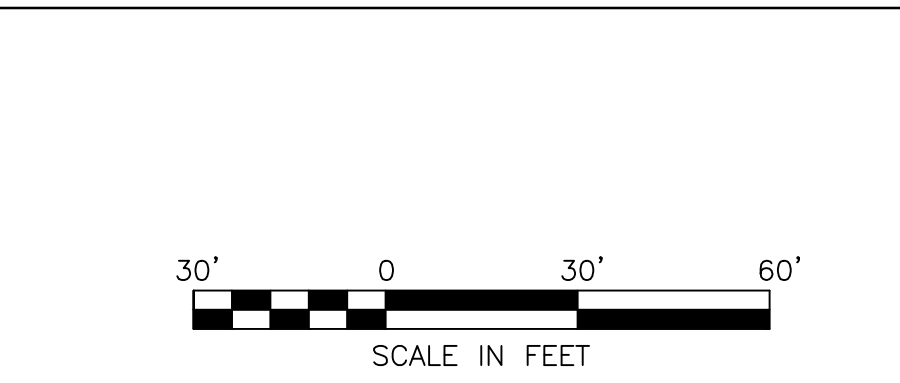
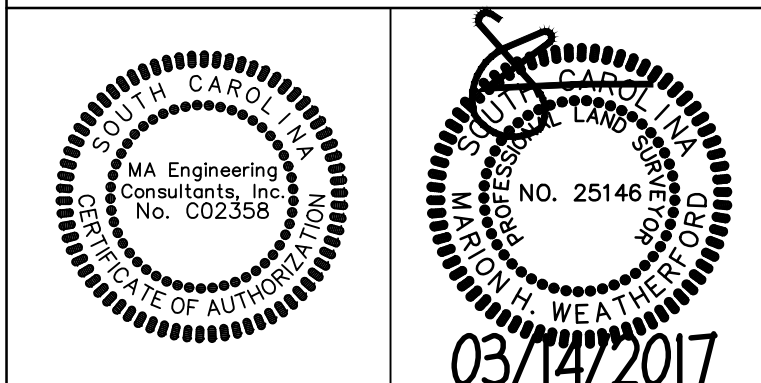
	BUILDING OUTLINE
	CONCRETE CURB & GUTTER
	EXISTING MAJOR CONTOUR
	EXISTING MINOR CONTOUR
	EXISTING R/W
	EXISTING PROPERTY LINE
	EXISTING EASEMENT
	UNDERGROUND ELECTRICAL (LEVEL B)
	UNDERGROUND COMMUNICATIONS (LEVEL B)
	WATER LINE (LEVEL B)
	HIGH PRESSURE STEAM (LEVEL B)
	GAS LINE (LEVEL B)
	SANITARY LINE
	STORM DRAIN
	UNDERGROUND ELECTRICAL (LEVEL C)
	OVERHEAD ELECTRIC AND COMMUNICATION LINES
	UNDERGROUND COMMUNICATIONS (LEVEL C)
	WATER LINE (LEVEL C)
	HIGH PRESSURE STEAM (LEVEL C)
	GAS LINE (LEVEL C)
	TREE LINE

	COMMUNICATION MANHOLE
	DRAINAGE MANHOLE
	ELECTRIC TRANSFORMER/ JUNCTION BOX
	FIRE HYDRANT
	GAS VALVE
	GAS METER
	GAS VENT
	GUY WIRE
	LIGHT POLE
	POST INDICATOR VALVE
	POWER POLE
	SEWER CLEANOUT
	SEWER MANHOLE
	TELEPHONE PEDESTAL/ JUNCTION BOX
	TELEVISION PEDESTAL/ JUNCTION BOX
	WELL
	WATER METER
	WATER VALVE



**GENERAL NOTES:**

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200 SOUTH MAIN ST.  
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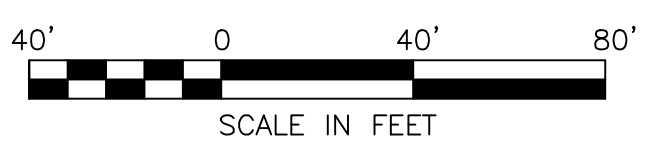
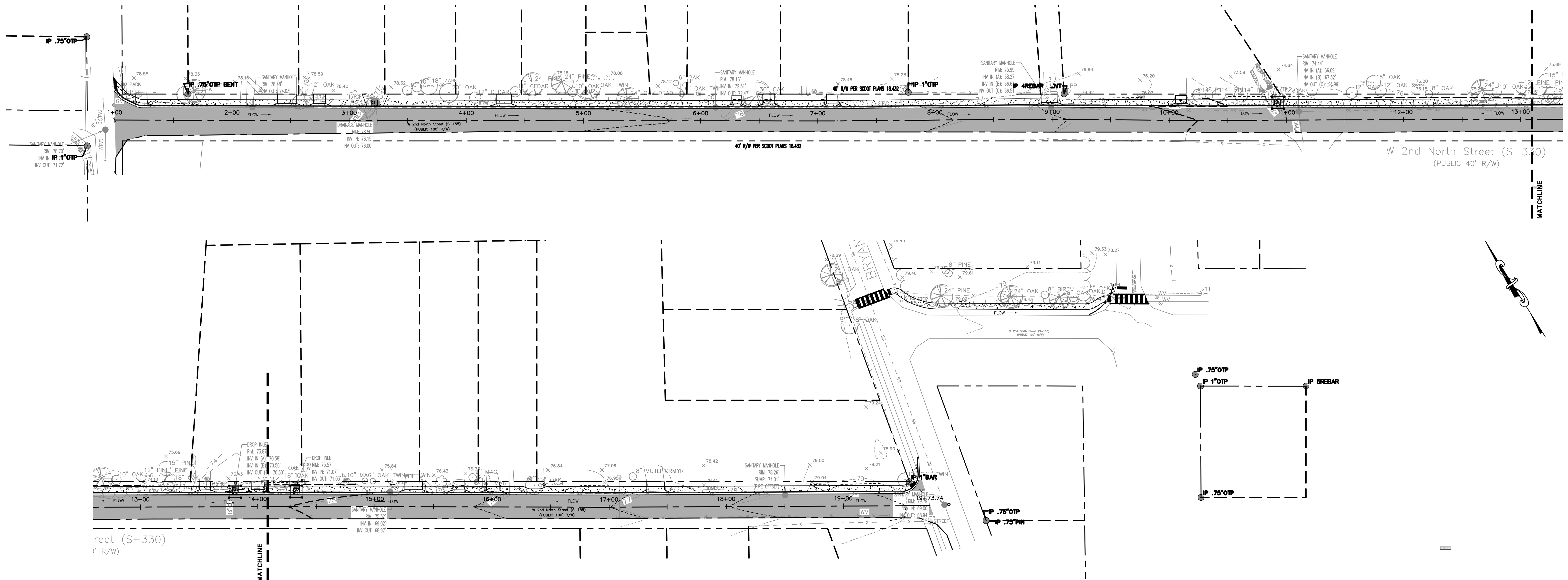
EXISTING CONDITIONS PLAN	
DRAWN BY: ---	DATE: 3.23.17
DESIGNED BY: ---	SCALE: 1"=30'
CHECKED BY: ---	

WEST SECOND NORTH ST.  
NEIGHBORHOOD REVITALIZATION PROJECT

TOWN OF SUMMERVILLE DORCHESTER COUNTY

DRAWING NO.  
16-1371-001

SHEET NO.  
C1.01



REVISIONS		
NO.	DATE	DESCRIPTION

TOWN OF SUMMERVILLE  
 200 SOUTH MAIN ST.  
 SUMMERVILLE, SC 29483



KEY MAP	
DRAWN BY: RSM	DATE: 8/11/17
DESIGNED BY: RSM	SCALE: 1"=40'
CHECKED BY: XXX	

WEST SECOND NORTH ST.  
 NEIGHBORHOOD REVITALIZATION PROJECT

TOWN OF SUMMERVILLE DORCHESTER COUNTY

DRAWING NO.  
 16-1371-001  
 SHEET NO.  
 C2.00



**STORMWATER / SWPPP NOTES:**

- SWPPP MUST BE KEPT ONSITE OR WITHIN THIRTY (30) MINUTES OF THE SITE AT ALL TIMES AND IN A DESIGNATED AREA THAT IS ACCESSIBLE TO THE INSPECTORS.
- SWPPP SHOULD INCLUDE A CONCRETE WASHOUT STAGING AREA.
- THE PROJECT / SITE MUST BE BUILT ACCORDING TO APPROVED TOWN AND SCDOT PLANS UNLESS SWPPP DOCUMENTS ARE UPDATED BY THE ORIGINAL SWPPP PREPARER, OTHERWISE PERMITS AND APPROVALS WILL BE INVALIDATED.
- IF NECESSARY, SLOPES WHICH EXCEED EIGHT (8) VERTICAL FEET SHOULD BE STABILIZED WITH SYNTHETIC OR VEGETATIVE MATS, IN ADDITION TO HYDROSEEDING. IT MAY BE NECESSARY TO INSTALL TEMPORARY SLOPE DRAINS DURING CONSTRUCTION. TEMPORARY BERMS MAY BE NEEDED UNTIL THE SLOPE IS BROUGHT TO GRADE.
- STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARY OR PERMANENTLY CEASED, BUT IN NO CASE MORE THAN FOURTEEN DAYS AFTER WORK HAS CEASED.
- ALL SEDIMENT AND EROSION CONTROL DEVICES SHALL BE ROUTINELY INSPECTED EVERY SEVEN (7) DAYS OR EVERY FOURTEEN (14) DAYS AND AFTER EACH RAINFALL OCCURANCE THAT EXCEEDS ONE-HALF (0.5) INCH. DAMAGED OR INEFFECTIVE DEVICES SHALL BE REPAIRED OR REPLACED, AS NECESSARY.
- PROVIDE SILT FENCE AND/OR OTHER CONTROL DEVICES, AS MAY BE REQUIRED, TO CONTROL SOIL EROSION DURING UTILITY CONSTRUCTION. ALL DISTURBED AREAS SHALL BE CLEANED, GRADED, AND STABILIZED WITH GRASS AS SOON AS PRACTICABLE AFTER THE UTILITY INSTALLATIONS.
- ALL EROSION CONTROL DEVICES SHALL BE PROPERLY MAINTAINED DURING ALL PHASES OF CONSTRUCTION UNTIL THE COMPLETION OF ALL CONSTRUCTION ACTIVITIES AND ALL DISTURBED AREAS HAVE BEEN STABILIZED. ADDITIONAL CONTROL DEVICES MAY BE REQUIRED DURING CONSTRUCTION IN ORDER TO CONTROL EROSION AND/OR OFFSITE SEDIMENTATION. ALL TEMPORARY CONTROL DEVICES SHALL BE REMOVED ONCE CONSTRUCTION IS COMPLETE AND THE SITE IS STABILIZED.
- THE CONTRACTOR MUST TAKE NECESSARY ACTION TO MINIMIZE THE TRACKING OF MUD ONTO THE PAVED ROADWAY CONSTRUCTION AREAS. THE CONTRACTOR SHALL DAILY REMOVE MUD/SOIL FROM PAVEMENT, AS MAY BE REQUIRED.
- TEMPORARY DIVERSION BERMS AND/OR DITCHES WILL BE PROVIDED AS NEEDED DURING CONSTRUCTION TO PROTECT WORK AREAS FROM UPSLOPE RUNOFF AND/OR TO DIVERT SEDIMENT LADEN WATER TO APPROPRIATE TRAPS OR STABLE OUTLETS.

**TRAFFIC CONTROL NOTES:**

- THE CONTRACTOR IS TO NOTIFY THE TOWN OF SUMMERVILLE, A MINIMUM OF TWO (2) WEEKS PRIOR TO THE START OF WORK.
- ALL TRAFFIC CONTROLS SHALL BE IN ACCORDANCE WITH THE MOST CURRENT VERSION OF THE SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION STANDARD DRAWINGS, SECTION 600-000-000, MAINTENANCE AND CONTROL TRAFFIC.
- PROTECT ALL EXPOSED WORK AREAS AT THE END OF EACH WORK DAY.
- ALL WORK MUST BE PERFORMED MONDAY THRU FRIDAY EXCEPT LEGAL HOLIDAYS, UNLESS AUTHORIZED OTHERWISE BY ENGINEER. NO WORK IS TO BE PERFORMED ON LEGAL HOLIDAYS.
- TWO WAY TRAFFIC TO BE MAINTAINED AT ALL TIMES, UNLESS OTHERWISE APPROVED BY THE ENGINEER. PERFORM FLAGGING OPERATIONS AS NEEDED IN ACCORDANCE WITH SECTION 610-005-00 OF THE SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION STANDARD DRAWINGS.
- INSTALL AND PLACE ADVANCE WARNING SIGNS MOUNTED ON PORTABLE SIGN SUPPORTS AS ILLUSTRATED ON THE TYPICAL TRAFFIC CONTROL STANDARD DRAWING, SECTION 602-005-00.
- ALL SIGN LOCATIONS ARE TO BE MEASURED FROM THE WORK AREA. WORK LIMITS FOR THE PROJECT WILL BE DETERMINED BY THE ENGINEER AND AS INDICATED IN THE CONTRACT.
- INSTALL ADVANCE WARNING SIGNS MOUNTED ON PORTABLE SIGN SUPPORTS NO LESS THAN 4 FEET FROM THE NEAR EDGE OF THE SIGN TO THE NEAR EDGE OF AN ADJACENT TRAVEL LANE ON ROADWAYS WITH EARTH SHOULDERS AND NO LESS THAN 6 FEET FROM THE NEAR EDGE OF THE SIGN TO THE NEAR EDGE OF AN ADJACENT TRAVEL LANE ON ROADWAYS WITH PAVED SHOULDERS. WHEN CURB & GUTTER IS PRESENT, INSTALL THE SIGN NO LESS THAN 2 FEET FROM THE NEAR EDGE OF THE SIGN TO THE FACE OF THE CURB.
- ALL SIGNS MOUNTED ON PORTABLE SIGN SUPPORTS SHALL HAVE A MINIMUM MOUNTING HEIGHT OF 5 FEET FROM THE GROUND TO THE BOTTOM OF THE SIGN. ALL SIGNS MOUNTED ON GROUND MOUNTED U-CHANNEL POSTS OR SQUARE STEEL TUBE POSTS SHALL HAVE A MINIMUM MOUNTING HEIGHT OF 7 FEET FROM THE GRADE ELEVATION OF THE NEAR EDGE OF THE ADJACENT TRAVEL LANE TO THE BOTTOM OF THE SIGN UNLESS OTHERWISE DIRECTED BY THE SCDOT. MOUNT ALL SIGNS STRAIGHT AND LEVEL AND WITH THE FACE OF SIGNS PERPENDICULAR TO THE SURFACE OF THE ROADWAY.
- REFLECTORIZE ORANGE ADVANCE WARNING SIGNS AND ANY ORANGE AREAS OF A MULTI-COLORED ADVANCE WARNING SIGN WITH A FLOURESCENT ORANGE COLORED PRISMATIC RETROREFLECTIVE SHEETING. REFLECTORIZE WHITE REGULATORY SIGNS AND ANY WHITE AREAS OF A MULTI-COLORED ADVANCE WARNING SIGN WITH A WHITE COLORED PROSMATIC RETROREFLECTIVE SHEETING.
- ALL TRAFFIC CONTROL DEVICES SHALL COMPLY WITH ALL NCHRP REPORT 350 REQUIREMENTS AND SHALL REQUIRE APPROVAL BY THE DEPARTMENT. ONLY THOSE TRAFFIC CONTROL DEVICES INCLUDED ON THE "APPROVED PRODUCTS LIST FOR TRAFFIC CONTROL DEVICES IN WORK ZONES" ARE CONSIDERED ACCEPTABLE FOR USE.
- ONLY THOSE PORTABLE SIGN SUPPORTS INCLUDED ON THE "APPROVED PRODUCTS LIST FOR TRAFFIC CONTROL IN WORK ZONES" ARE CONSIDERED ACCEPTABLE. ALL PORTABLE SIGN SUPPORTS UTILIZED FOR CONTRACT WORK SHALL PROVIDE A MINIMUM MOUNTING HEIGHT OF 5 FEET FROM THE GROUND TO THE BOTTOM OF THE SIGN ON ALL ROADWAYS, MOUNTING HEIGHTS LESS THAN 5 FEET ARE UNACCEPTABLE FOR CONTRACT WORK.
- FABRICATE ALL SIGNS INTENDED FOR MOUNTING ON PORTABLE SIGN SUPPORTS FROM ONLY THOSE SIGN SUBSTRATUMS INCLUDED ON THE "APPROVED PRODUCTS LIST FOR TRAFFIC CONTROL DEVICES IN WORK ZONES."

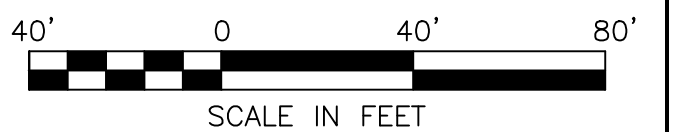
**CONSTRUCTION SEQUENCE:**

GENERAL CONSTRUCTION SEQUENCE NOTES

- A COPY OF THE APPROVED EROSION AND SEDIMENT CONTROL PLAN MUST BE AVAILABLE AT THE PROJECT SITE AT ALL TIMES.
- INSTALL EROSION AND SEDIMENT CONTROLS PER THE CONSTRUCTION DETAILS AND LOCATIONS PROVIDED ON THE PLAN.
- IMMEDIATELY UPON DISCOVERING UNFORESEEN CIRCUMSTANCES POSING THE POTENTIAL FOR ACCELERATED EROSION AND/OR SEDIMENT POLLUTION, THE OPERATOR SHALL IMPLEMENT APPROPRIATE BEST MANAGEMENT PRACTICES TO ELIMINATE THE POTENTIAL FOR ACCELERATED EROSION AND/OR SEDIMENT POLLUTION.
- ALL PUMPING OF SEDIMENT LADEN WATER SHALL BE THROUGH A SEDIMENT CONTROL BMP, SUCH AS A PUMPED WATER FILTER BAG OR EQUIVALENT SEDIMENT REMOVAL FACILITY, OVER UNDISTURBED VEGETATED AREAS.
- ALL EARTH DISTURBANCE ACTIVITIES SHALL PROCEED IN ACCORDANCE WITH THE FOLLOWING SEQUENCE. EACH STAGE SHALL BE COMPLETED AND IMMEDIATELY STABILIZED BEFORE ANY FOLLOWING STAGE IS INITIATED. CLEARING, GRUBBING AND TOPSOIL STRIPPING SHALL BE LIMITED ONLY TO THOSE AREAS DESCRIBED IN EACH STAGE. ANY DEVIATION FROM THE FOLLOWING SEQUENCE MUST BE APPROVED IN WRITING FROM THE ENGINEER.
- FIELD MARK THE LIMIT OF DISTURBANCE AS SHOWN ON THE PLANS.
- INSTALL ORANGE PLASTIC CONSTRUCTION FENCING AROUND STREET TREES NOT SHOWN AS "TO BE REMOVED" AND AS INDICATED ON THE PLANS.
- CONSTRUCT ROCK CONSTRUCTION ENTRANCES, INSTALL SILT FENCE AND SEDIMENT TUBES AS SHOWN ON THE PLANS AND IN ACCORDANCE WITH THE DETAILS. INSTALL INLET PROTECTION IN ALL INLETS AS NOTED ON THE PLANS.
- CLEAR AND GRUB THE REMAINDER OF THE SITE AS NEEDED AND REMOVE THE TREES DESIGNATED FOR REMOVAL. CLEARING AND GRUBBING IS TO BE EXCLUSIVELY LIMITED TO THE ACTUAL AREA OF EXCAVATION. DISTURBANCE TO THE SURROUNDING VEGETATION IS TO BE MINIMIZED TO THE GREATEST EXTENT POSSIBLE. ALL AREAS DISTURBED IN EXCESS OF THOSE NECESSARY FOR THE INSTALLATION OF THE PROPOSED WORK ARE TO BE RE-VEGETATED IMMEDIATELY.
- GRADE THE SITE IN ACCORDANCE WITH THE PLANS. INSTALL THE PROPOSED SWALE AND ASSOCIATED LININGS / SLOPE MATTING.
- INSTALL DRAINAGE STRUCTURES, RIPRAP APRONS AND PIPE SEGMENTS.
- INSTALL THE SIDEWALK, ADA RAMPS AND DRIVEWAY APRON REPAIRS.
- APPLY PERMANENT SEED, MULCH AND LANDSCAPE THE ENTIRE SITE IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS.
- UPON FINAL STABILIZATION, REMOVE THE BMPS AND IMMEDIATELY STABILIZE THE AFFECTED AREA:
  - REMOVE ACCUMULATED SEDIMENT BEHIND EROSION CONTROL MEASURES THEN REMOVE ALL SILT FENCE, INLET PROTECTION AND SEDIMENT TUBES.
  - PERFORM FINAL SEDIMENT CLEANOUT OF THE ENTIRE STORM SEWER SYSTEM.

**CONSTRUCTION NOTES:**

- WHERE PROPOSED PAVEMENT ABUTS EXISTING PAVEMENT, MATCH LINE AND GRADE OF THE EXISTING PAVEMENT. TACK EXISTING EDGE PRIOR TO PAVING.
- CONTOURS AND SPOT GRADES ARE CONTROLS ONLY. ALL GRADING SHALL BE SMOOTH AND CONTINUOUS. TOPS AND BOTTOMS OF ALL SLOPES SHALL BE ROUNDED.
- PROPOSED WALKS SHALL NOT IMPEDE THE NATURAL FLOW OF WATER ACROSS THE WALK. WALK SHALL BE INSTALLED WITH A MAXIMUM TWO PERCENT (2%) CROSS SLOPE. UNDER NO CIRCUMSTANCES SHALL THE PROPOSED WALK CREATE A LOW SPOT OR POND WATER. GRADING FOR WALK SHALL ONLY DISTURB WHAT IS NECESSARY TO CONSTRUCT WALK AND MAINTAIN DRAINAGE FLOW.
- WATER VALVE & SANITARY SEWER CLEANOUTS TO BE RESET FLUSH WITH NEW CONCRETE SIDEWALK.
- CONSTRUCT SIDEWALKS AT A LONGITUDINAL SLOPE NOT TO EXCEED 5.00% FOR ROADWAY PROFILES THAT EXCEED 5.00%. CONSTRUCT PARALLEL SIDEWALKS ADJACENT TO ROADWAY AT A LONGITUDINAL SLOPE NOT TO EXCEED ROADWAY PROFILE SLOPE.
- THE TOWN OF SUMMERVILLE SHALL BE RESPONSIBLE FOR MAINTENANCE OF THE SIDEWALK AND THE PEDESTRIAN BRIDGE WITHIN THE SCDOT R.O.W.
- ALL STREET TREES NOT SHOWN AS "TO BE REMOVED" SHALL BE PROTECTED WITH ORANGE CONSTRUCTION FENCING THROUGHOUT THE DURATION OF THE PROJECT. CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE TO PROTECTED TREES.
- STREET SIGNS INDICATED TO BE RESET SHALL BE RESET IN ACCORDANCE WITH SCDOT STANDARDS.



**REVISIONS**

NO.	DATE	DESCRIPTION

TOWN OF SUMMERVILLE  
200 SOUTH MAIN ST.  
SUMMERVILLE, SC 29483



**GENERAL NOTES**

DRAWN BY: RSM	DATE: 8/11/17
DESIGNED BY: RSM	SCALE: 1"=40'
CHECKED BY: XXX	

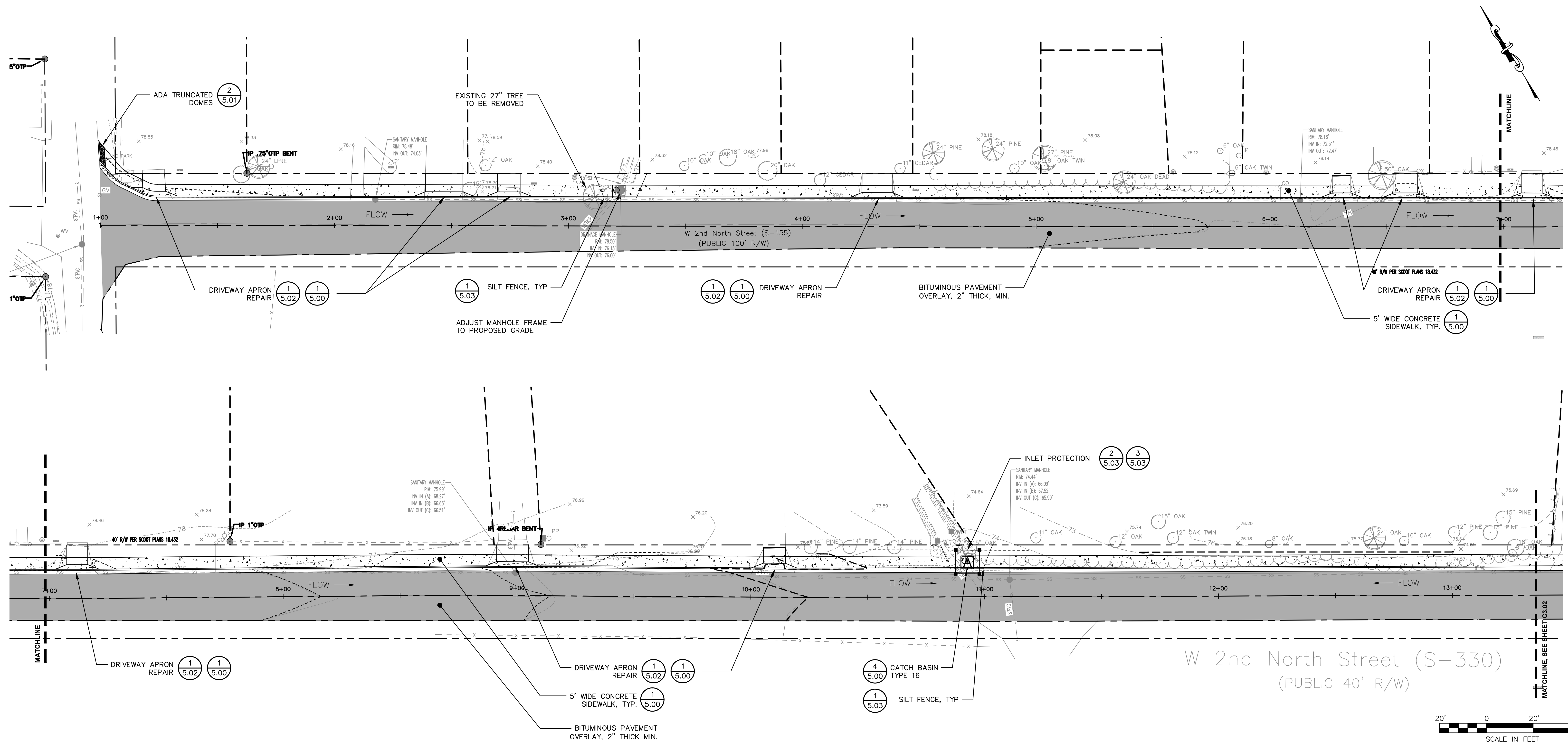
WEST SECOND NORTH ST.  
NEIGHBORHOOD REVITALIZATION PROJECT

TOWN OF SUMMERVILLE DORCHESTER COUNTY

DRAWING NO.  
16-1371-001

SHEET NO.  
C3.00





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TOWN OF SUMMERVILLE  
 200 SOUTH MAIN ST.  
 SUMMERVILLE, SC 29483

**JMT**  
 952 HOUSTON NORTHCUTT BLVD., SUITE 100  
 MT. PLEASANT, SC 29464  
 P: (843)556-2624 | F: (843)556-4329 | www.jmt.com

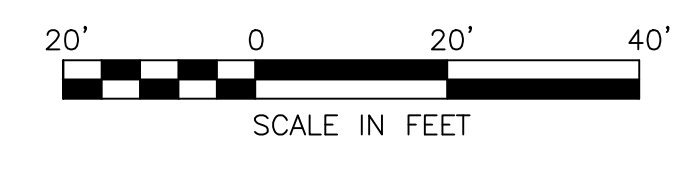
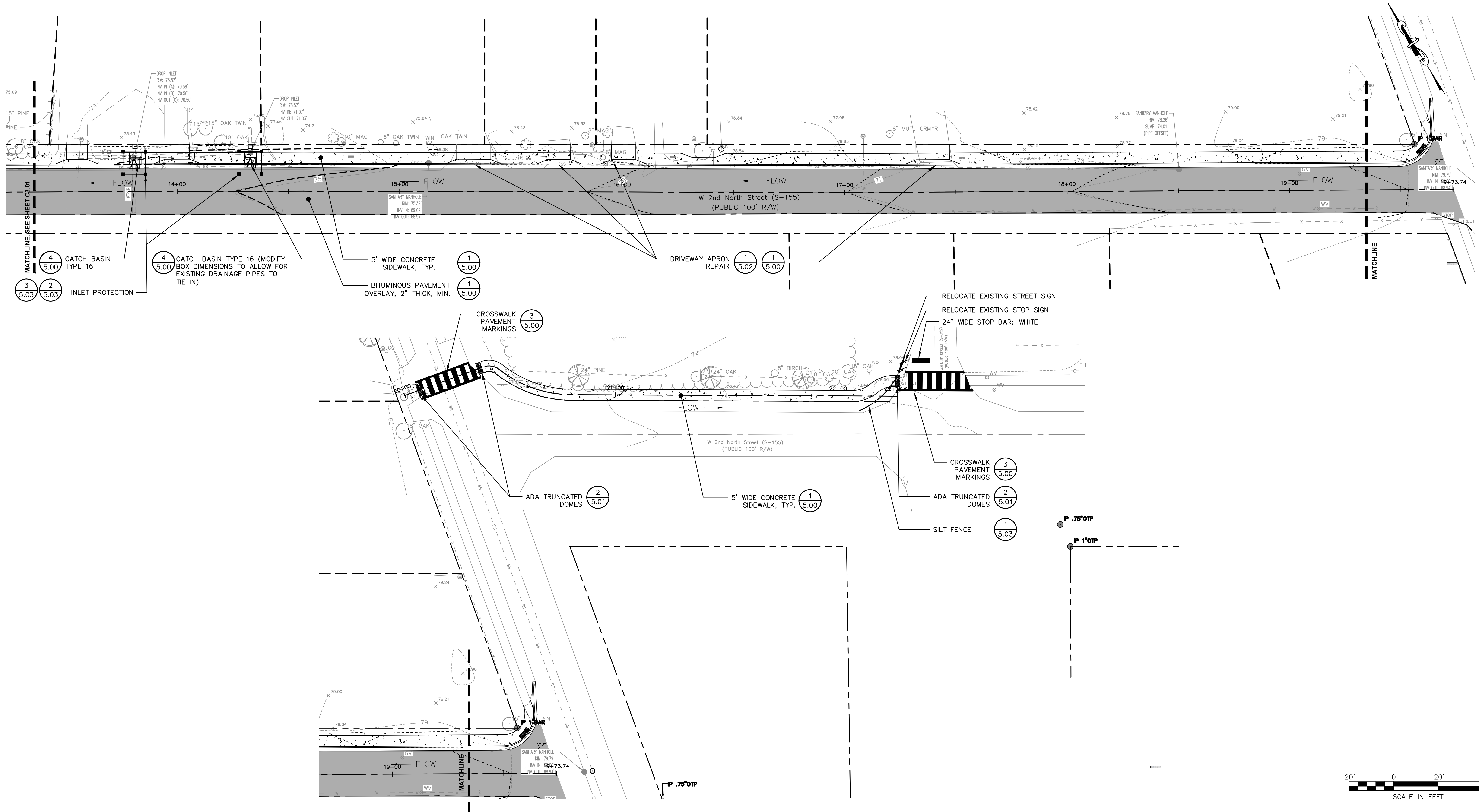
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DESIGNED BY: RSM	SCALE: 1"=20'
CHECKED BY: XXX	

WEST SECOND NORTH ST.  
 NEIGHBORHOOD REVITALIZATION PROJECT

TOWN OF SUMMERVILLE  
 DORCHESTER COUNTY

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 16-1371-001

SHEET NO.  
 C3.01



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 200 SOUTH MAIN ST.  
 SUMMERVILLE, SC 29483

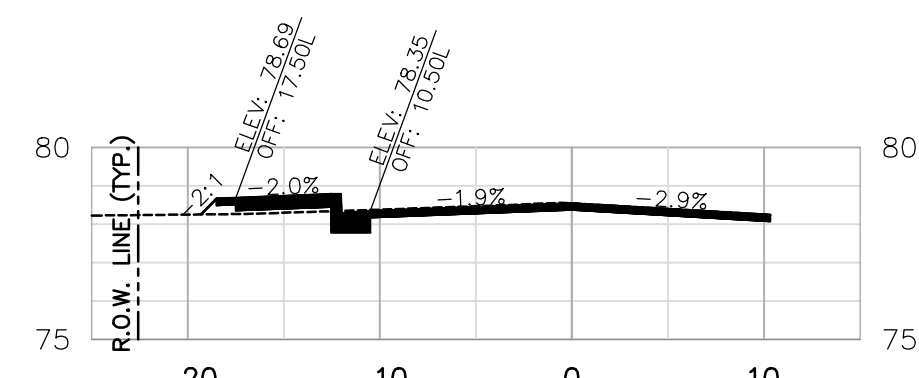


CONSTRUCTION PLAN	
DRAWN BY: RSM	DATE: 8/11/17
DESIGNED BY: RSM	SCALE: 1"=20'
CHECKED BY: XXX	

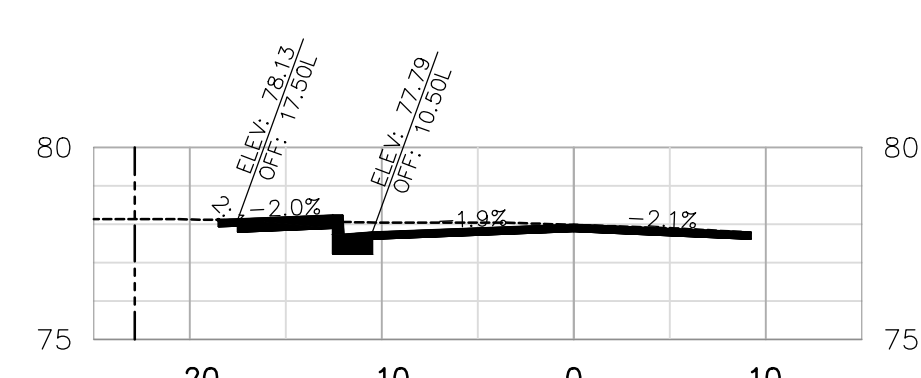
WEST SECOND NORTH ST.  
 NEIGHBORHOOD REVITALIZATION PROJECT  
 TOWN OF SUMMERVILLE  
 DORCHESTER COUNTY

DRAWING NO.  
 16-1371-001  
 SHEET NO.  
 C3.02

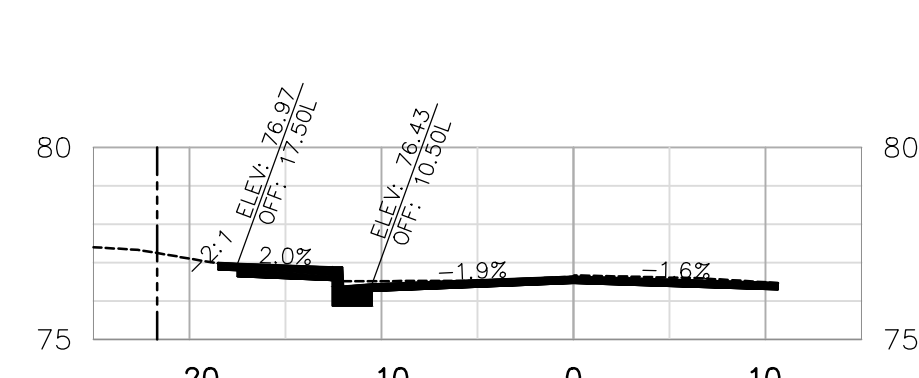




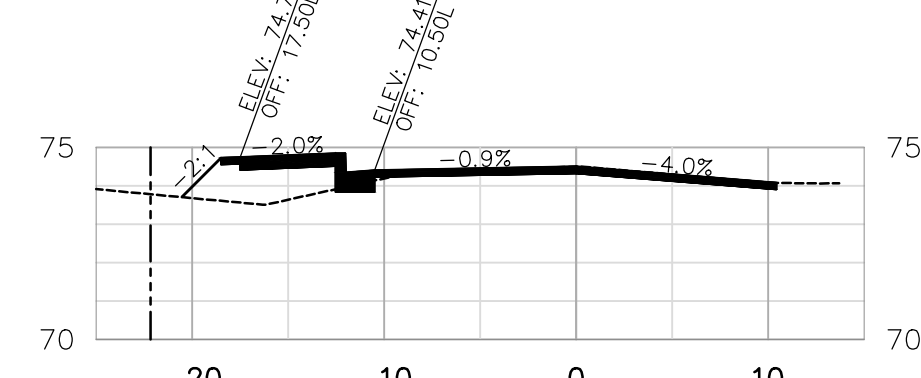
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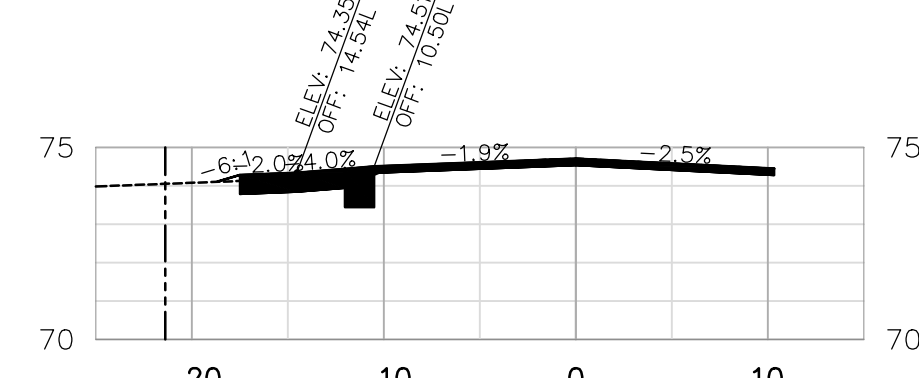
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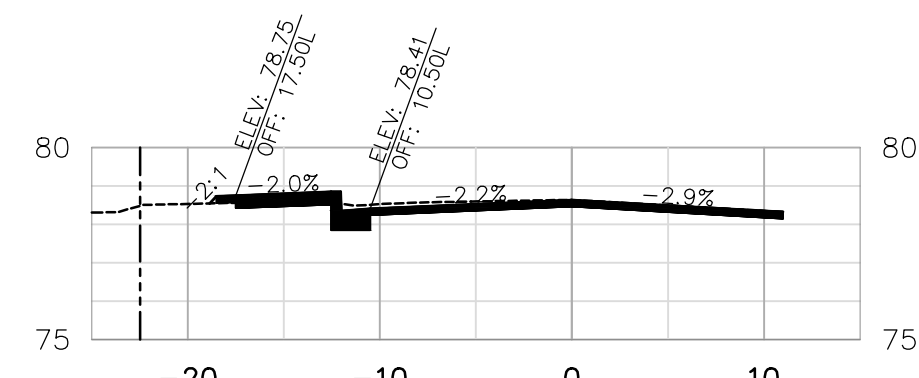
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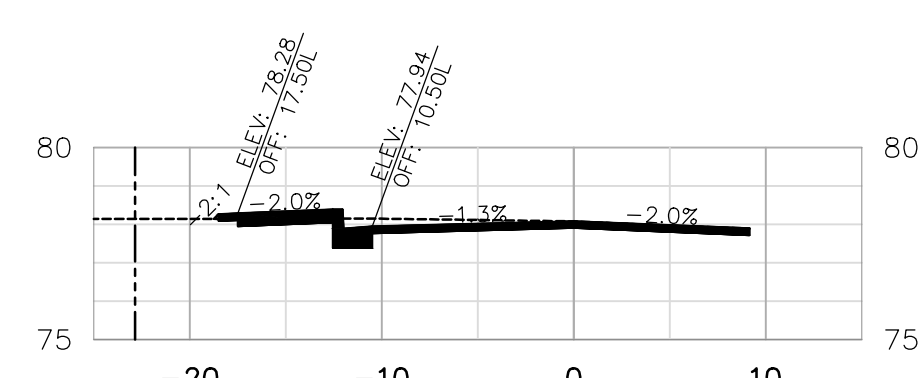
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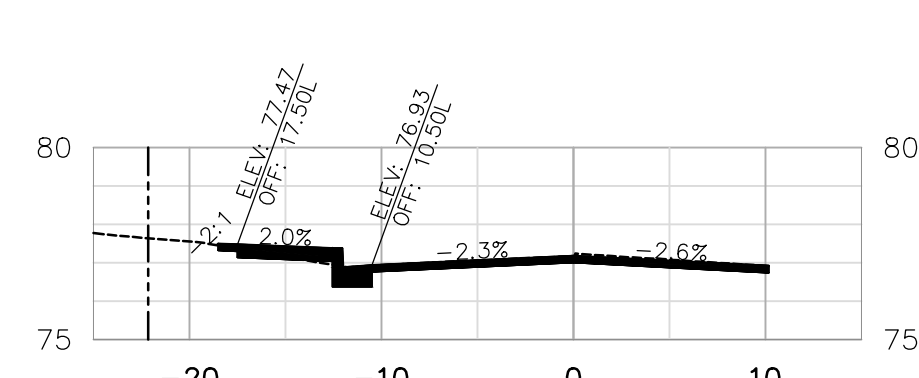
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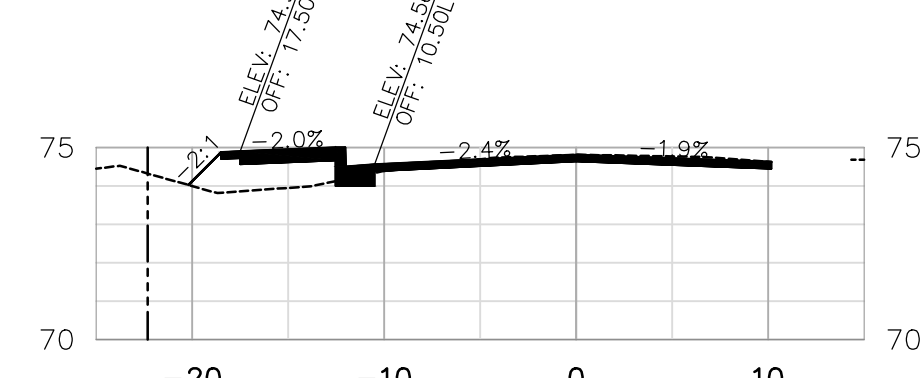
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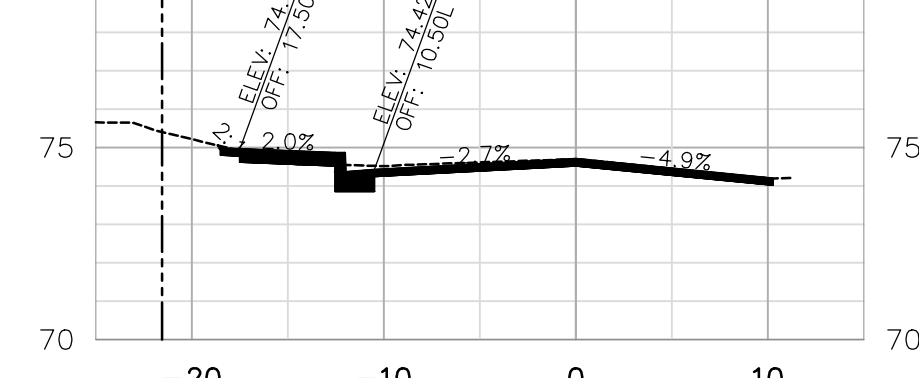
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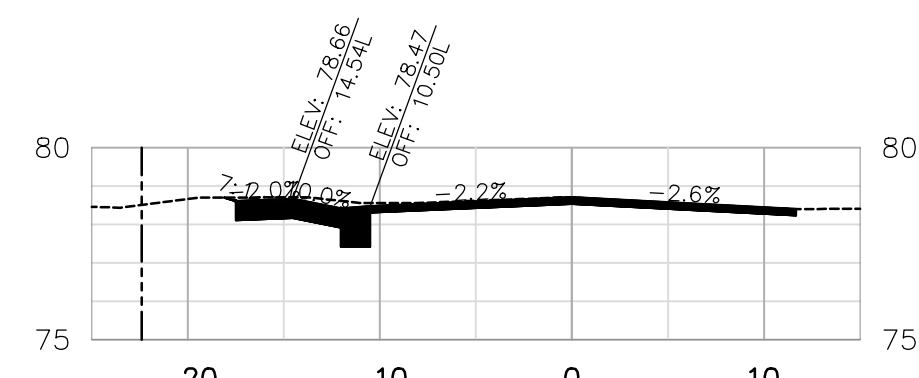
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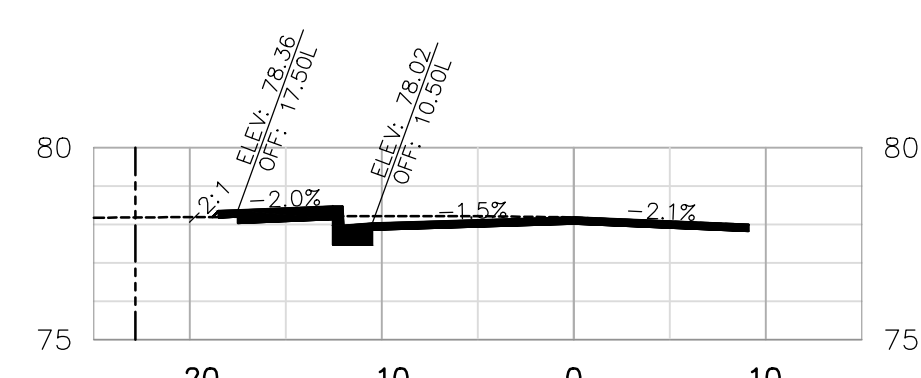
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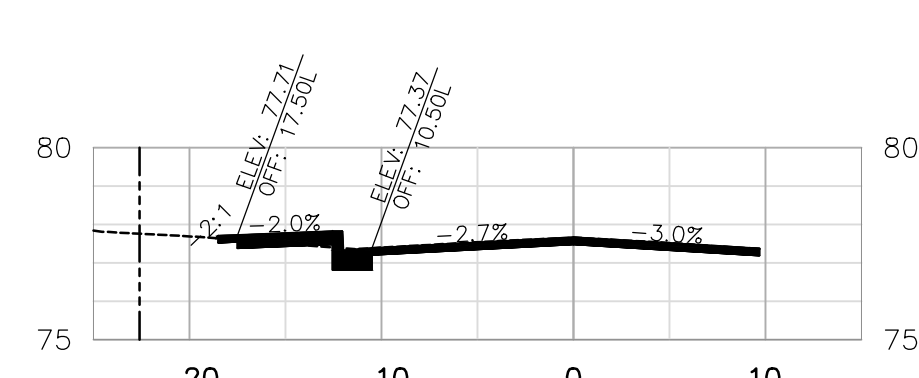
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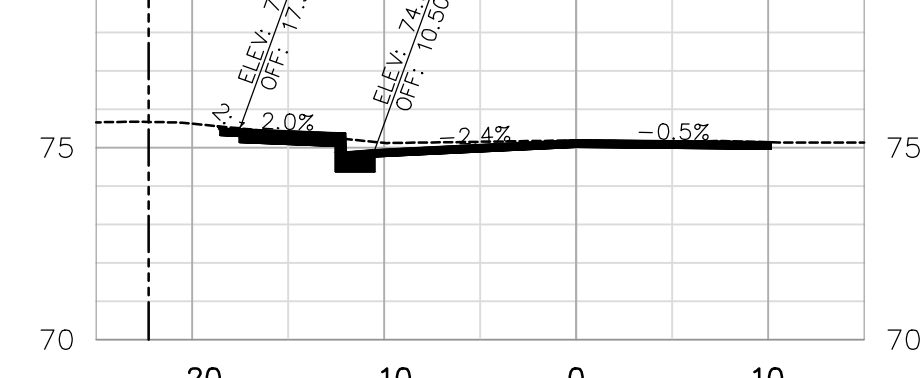
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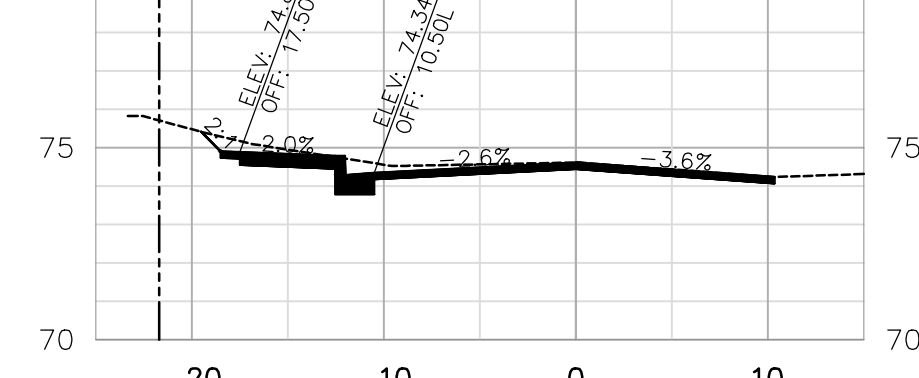
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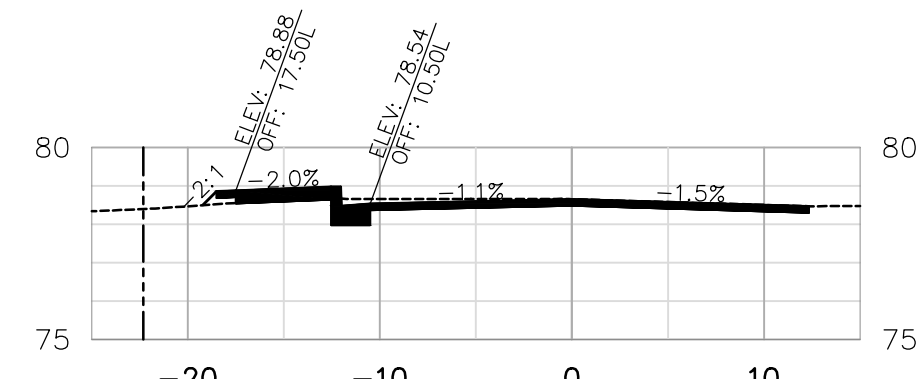
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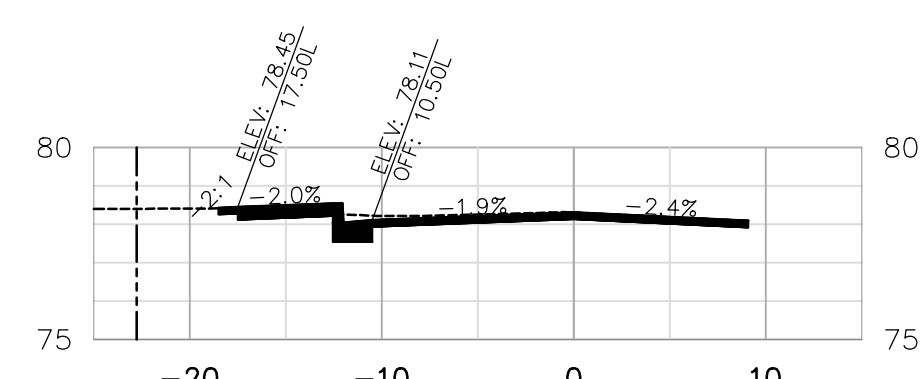
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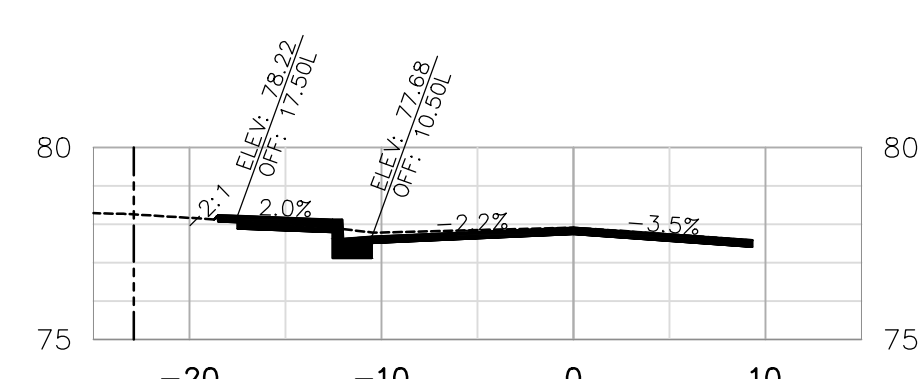
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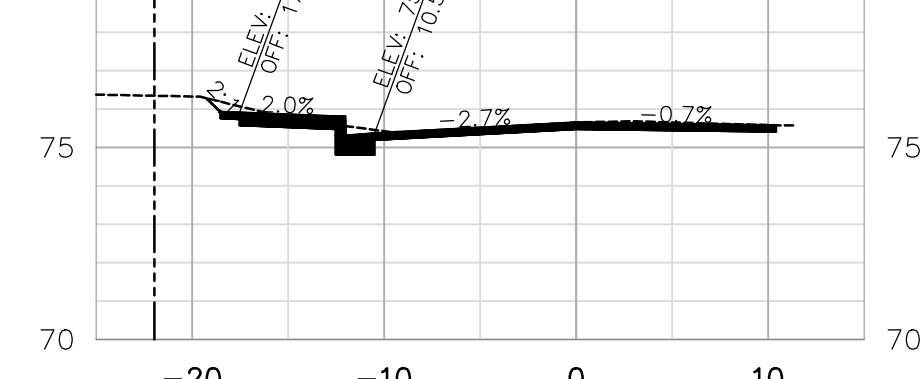
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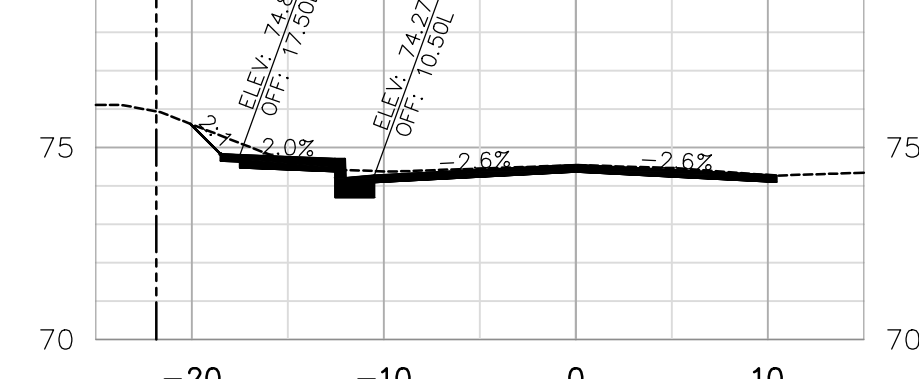
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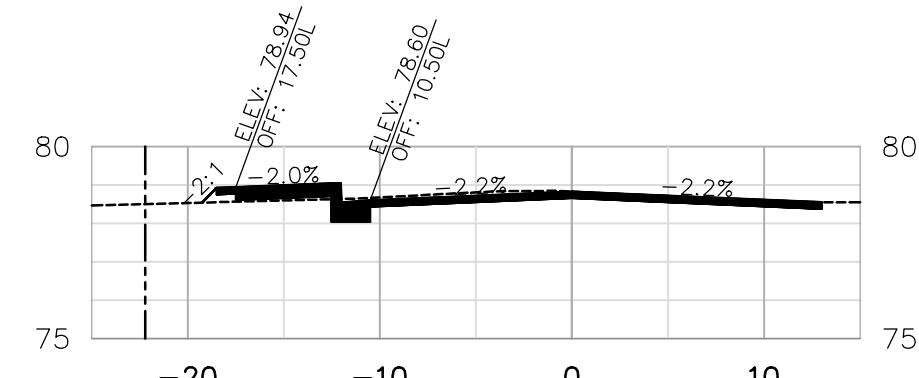
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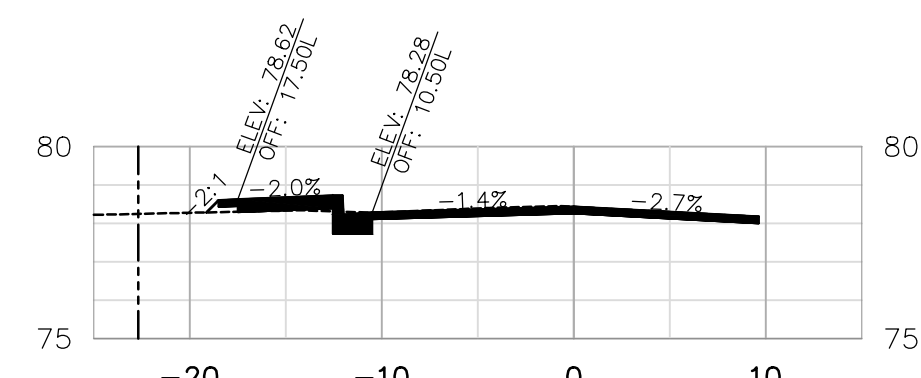
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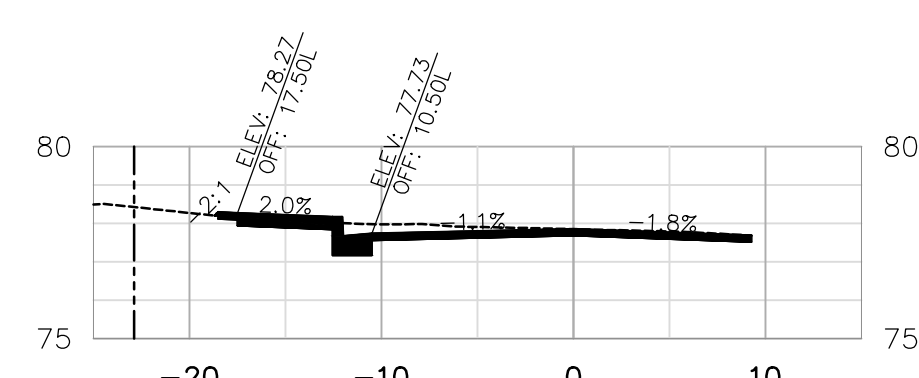
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STA. 4+00 (S-330)



STA. 6+50 (S-330)



STA. 9+00 (S-330)



STA. 11+50 (S-330)



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TOWN OF SUMMERVILLE  
200 SOUTH MAIN ST.  
SUMMERVILLE, SC 29483



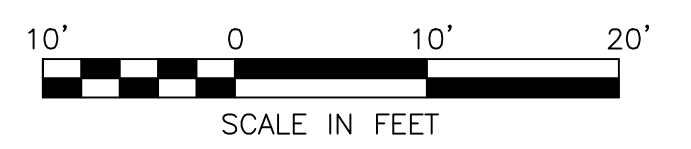
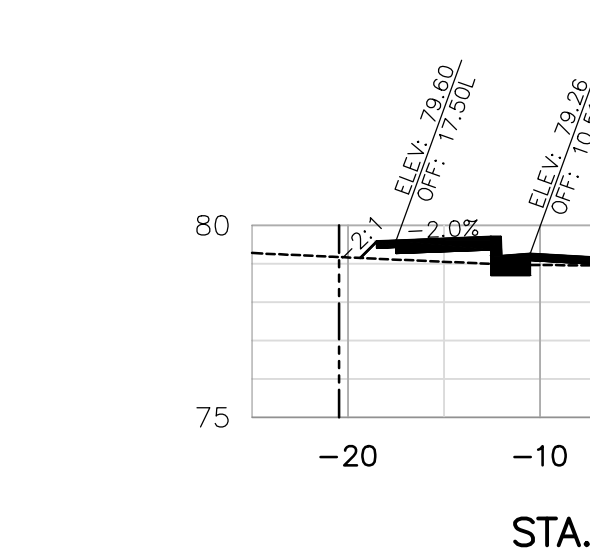
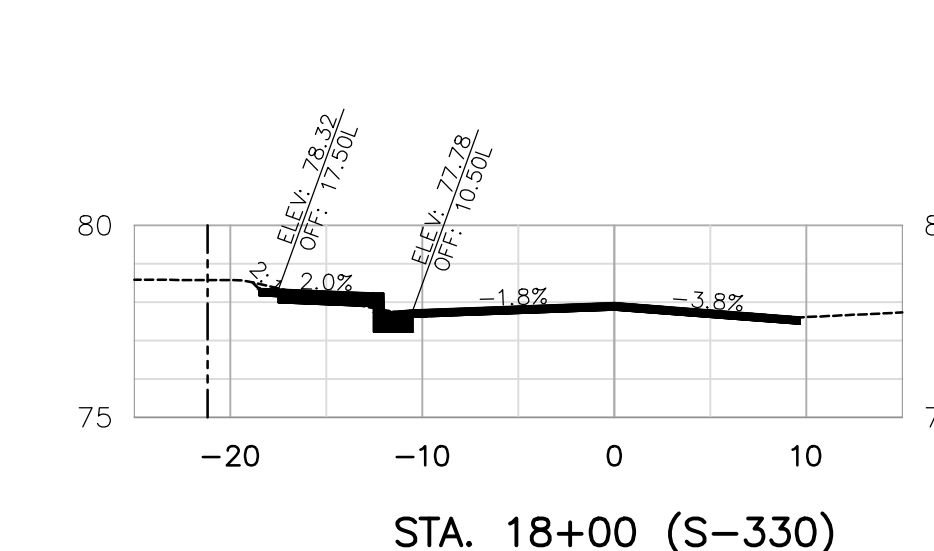
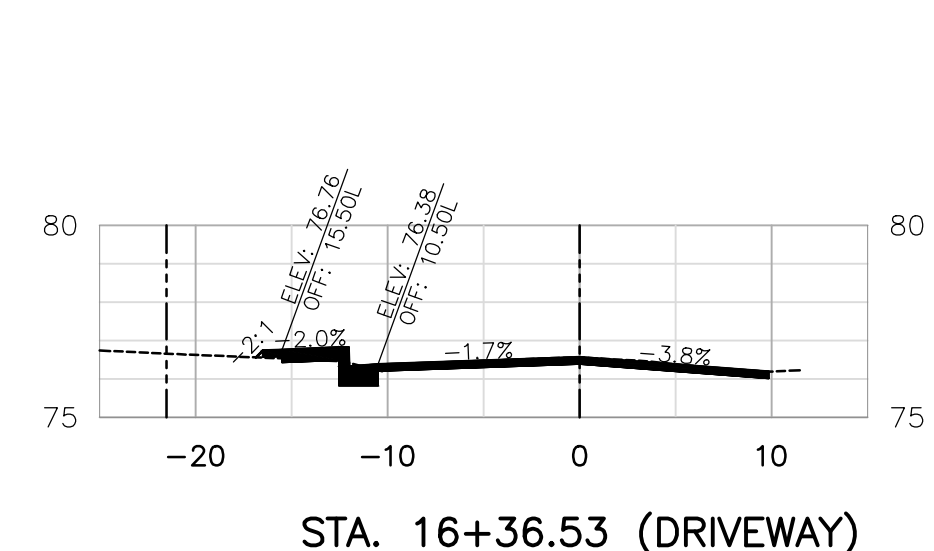
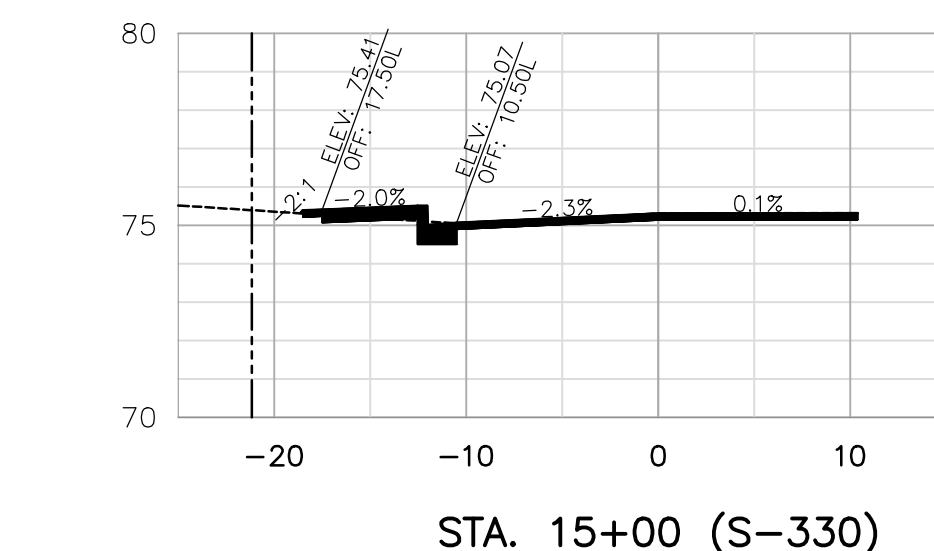
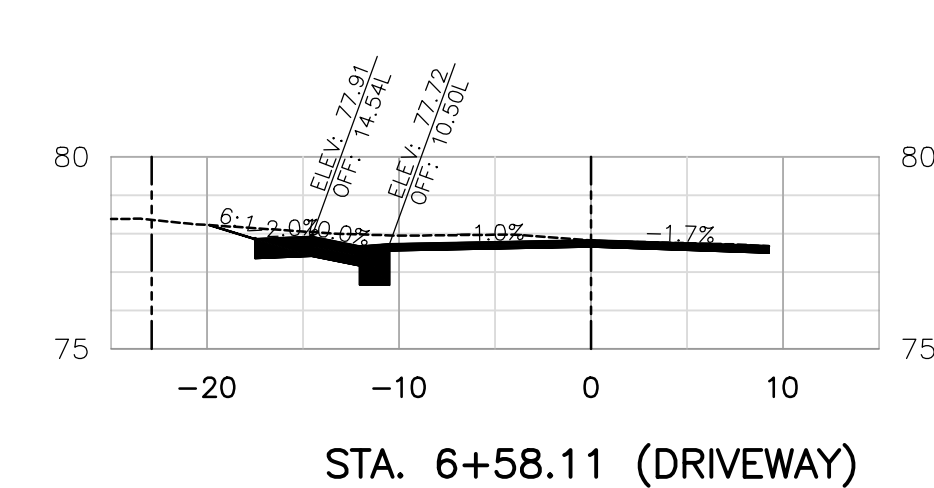
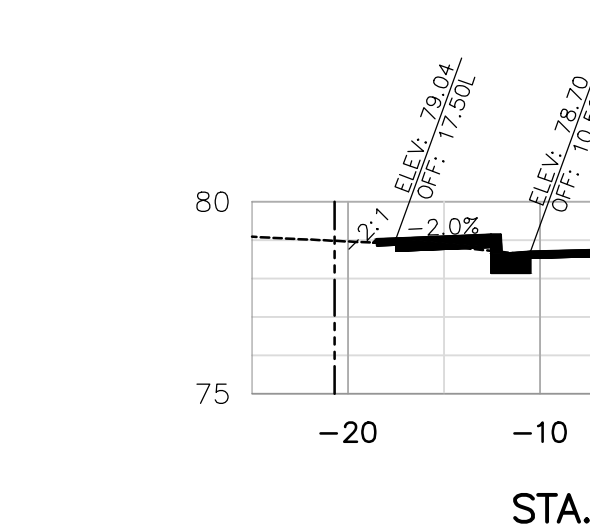
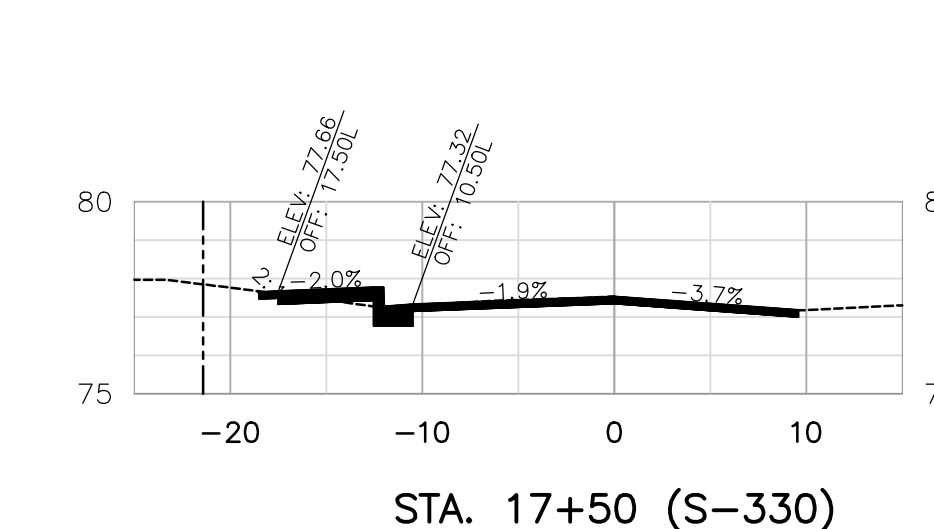
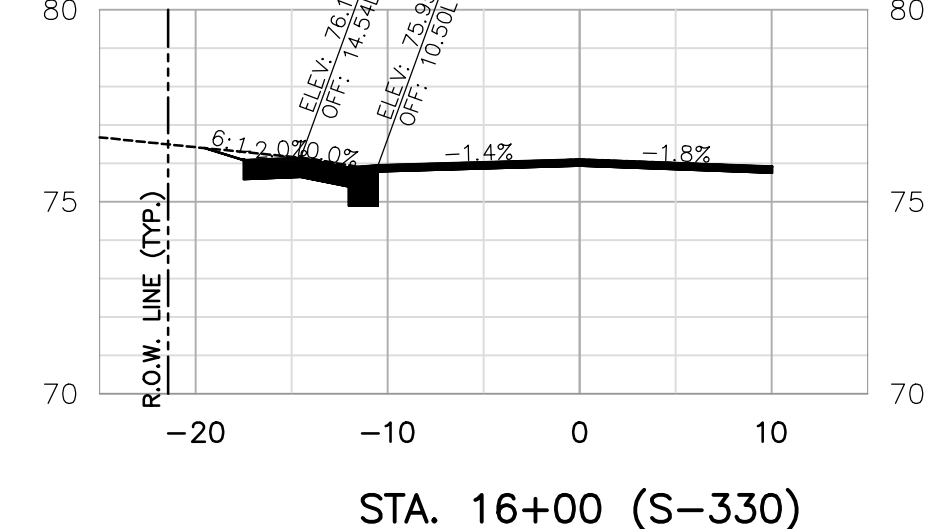
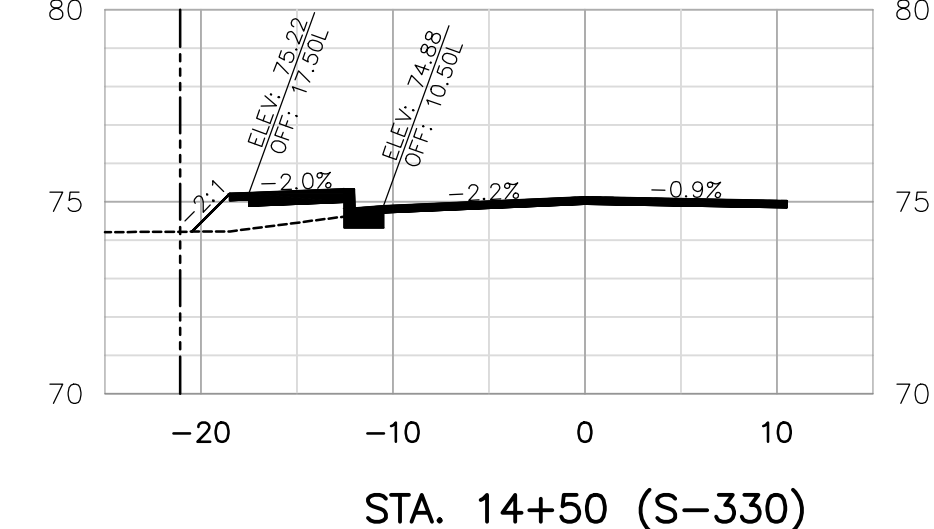
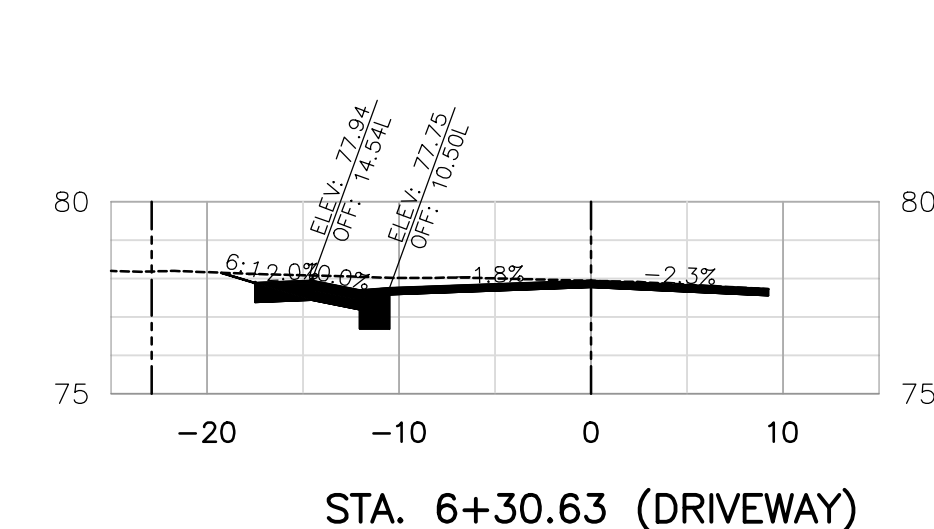
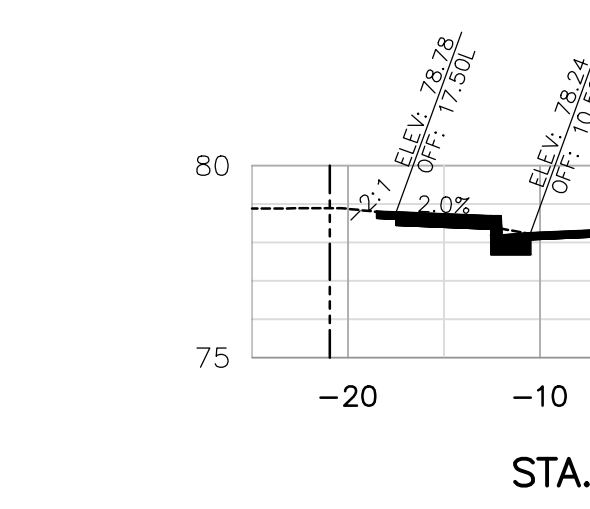
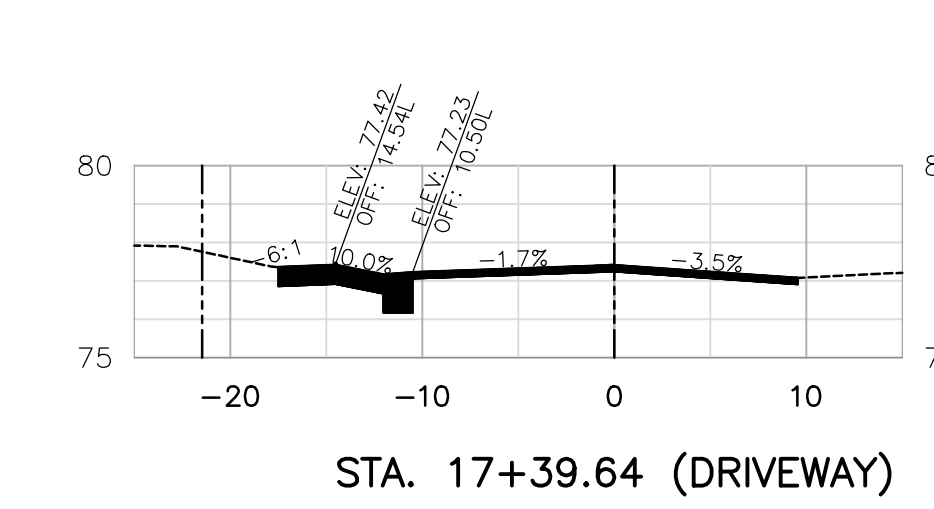
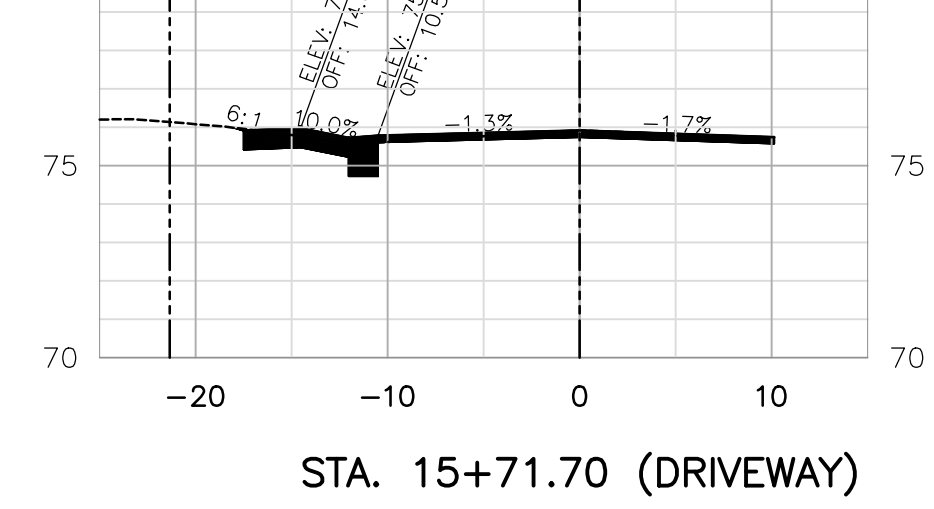
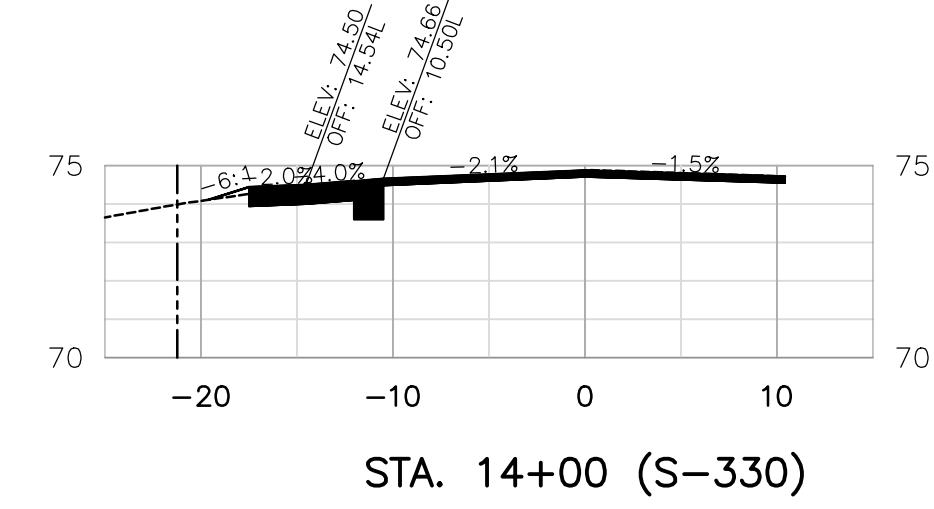
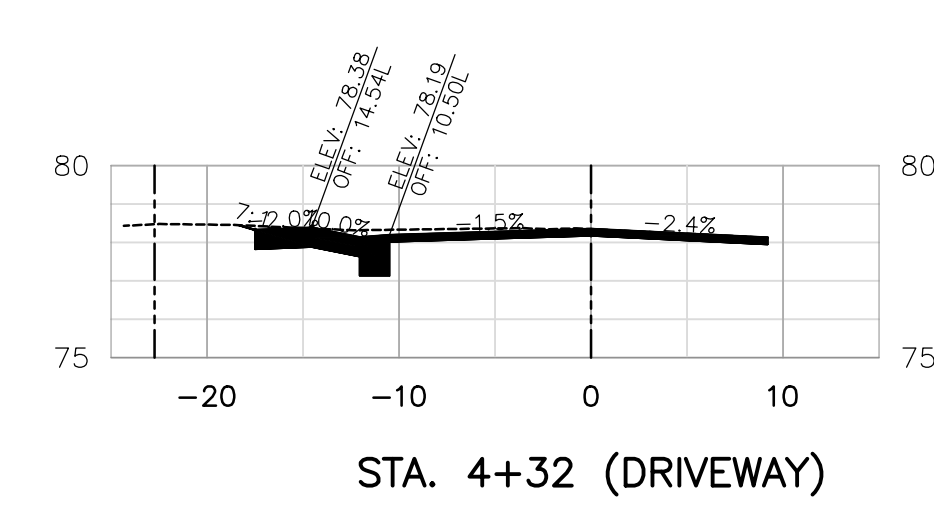
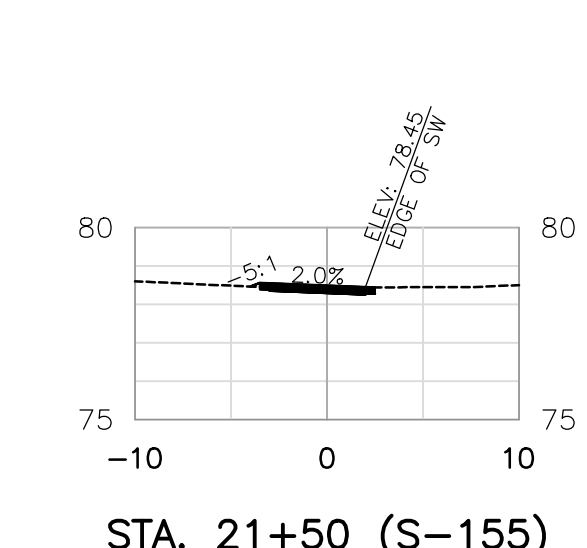
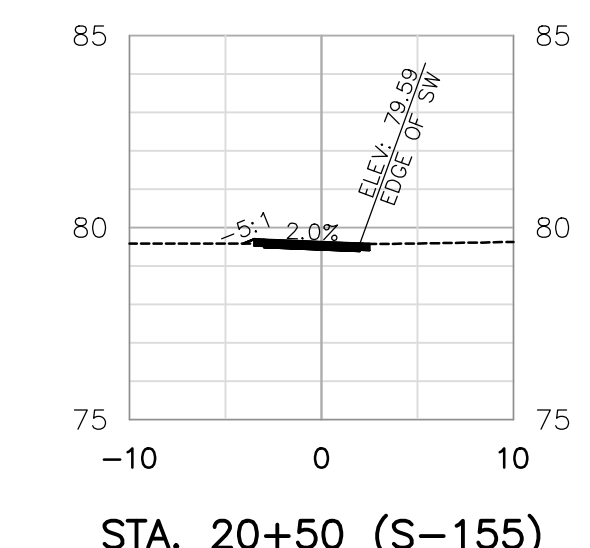
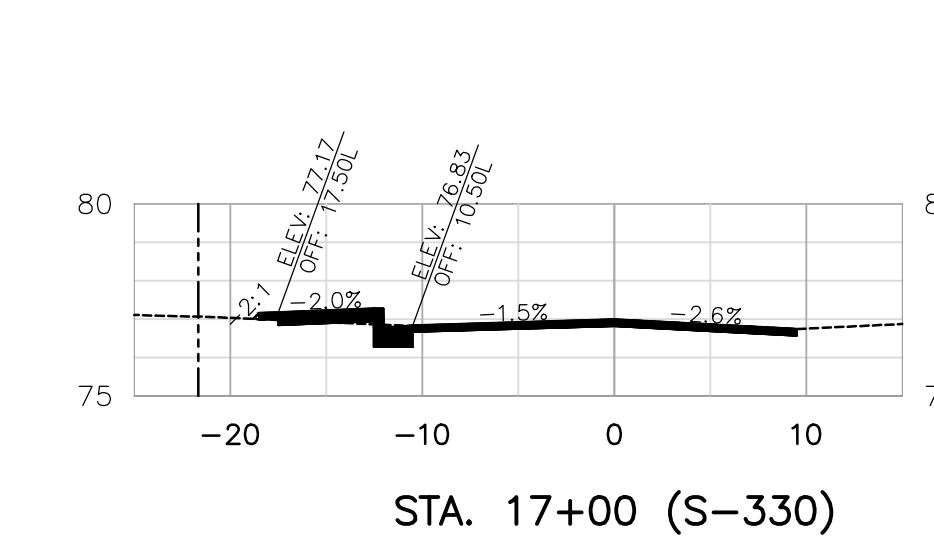
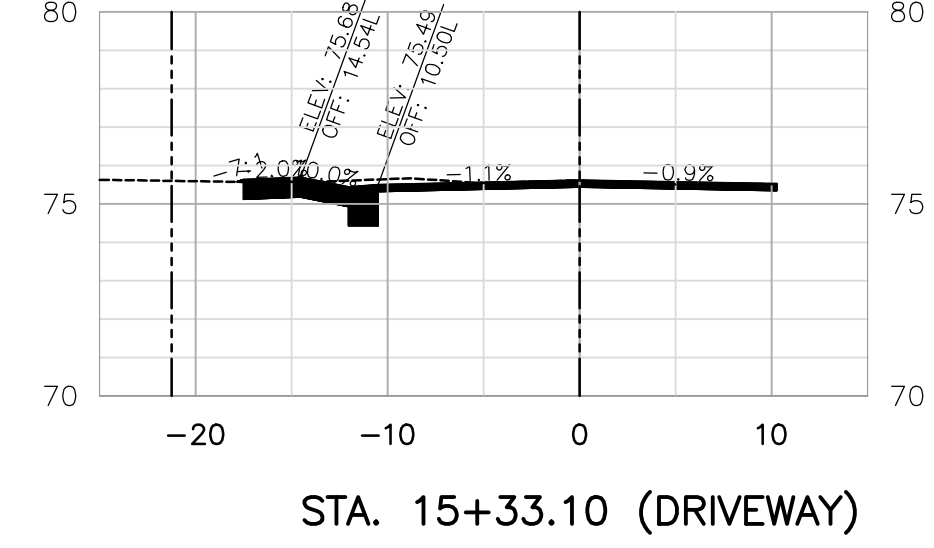
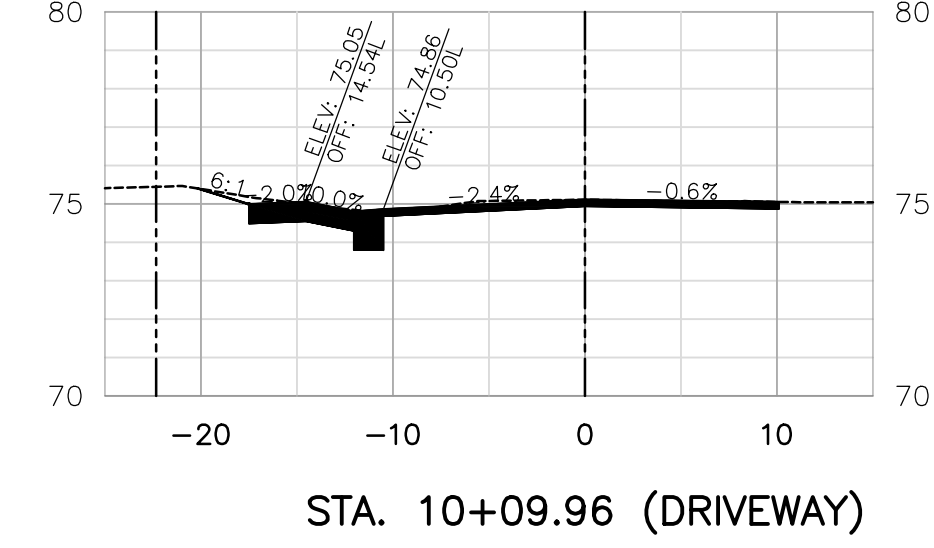
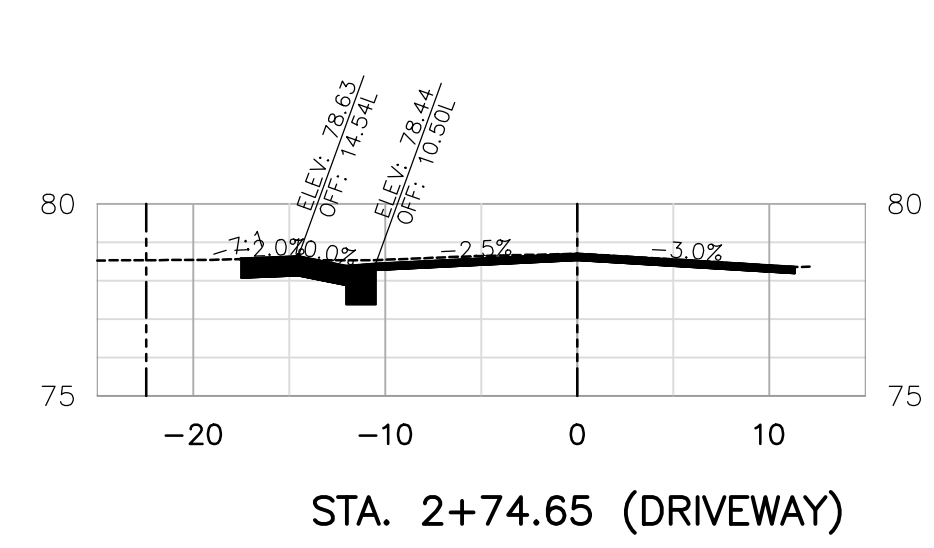
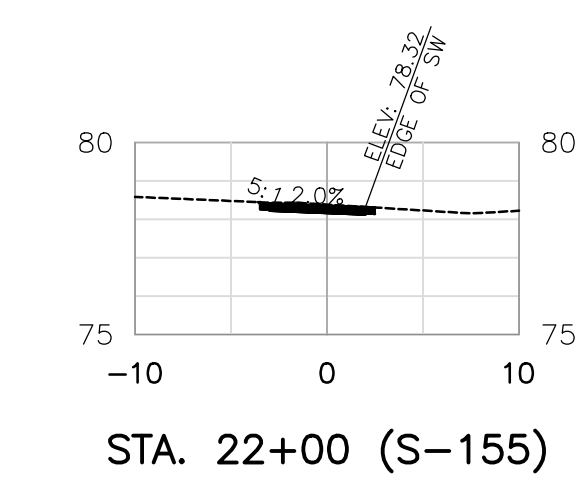
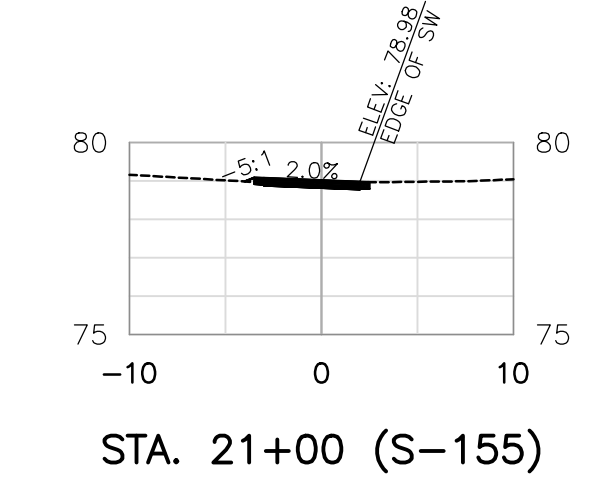
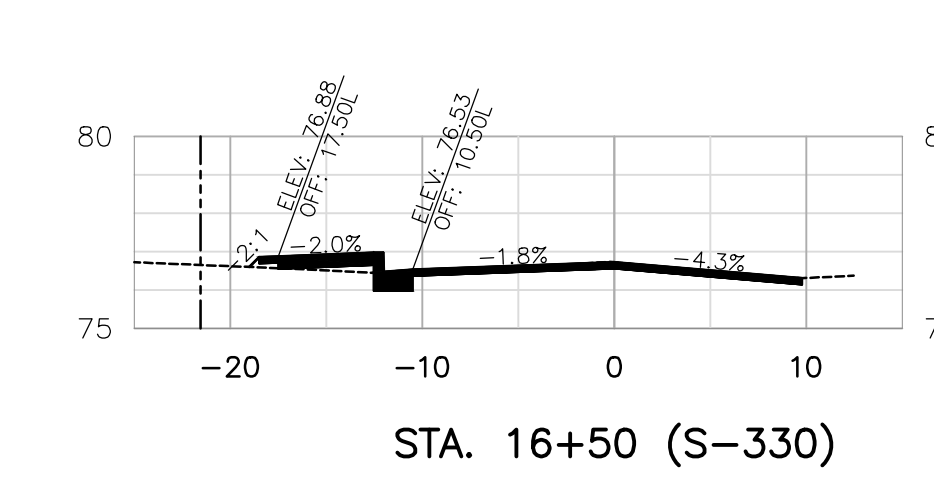
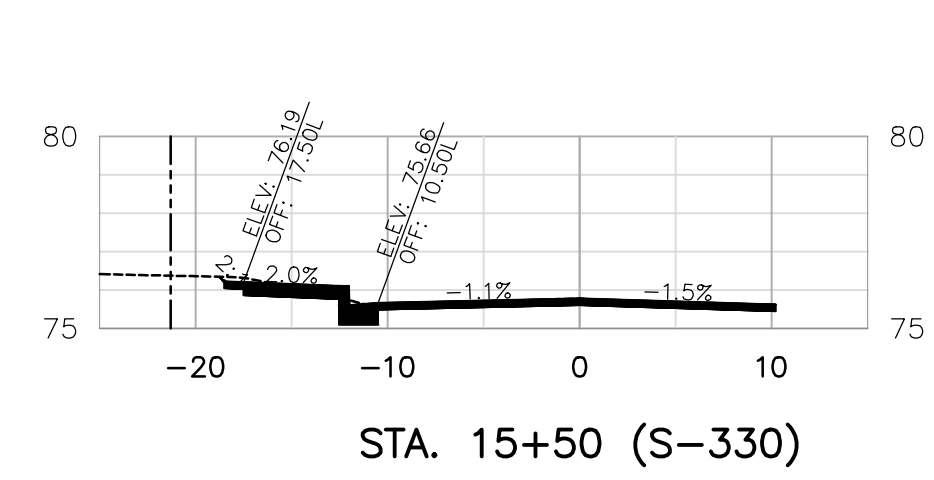
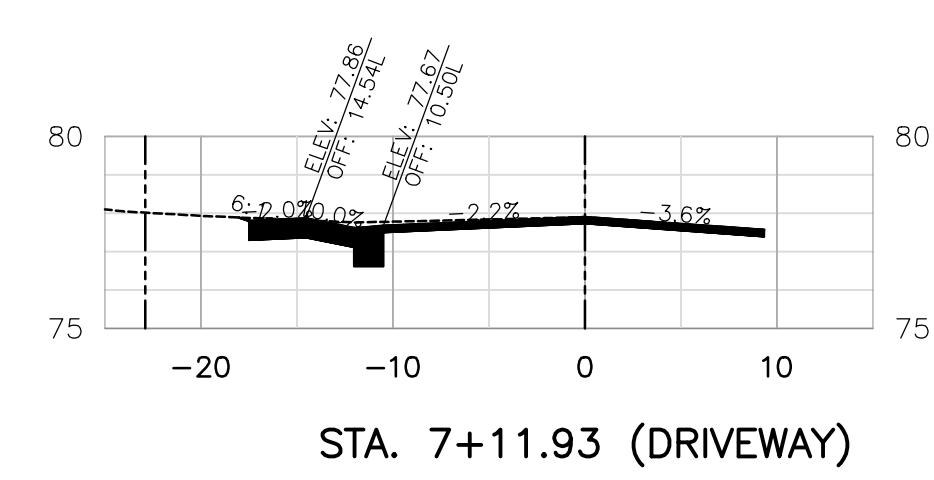
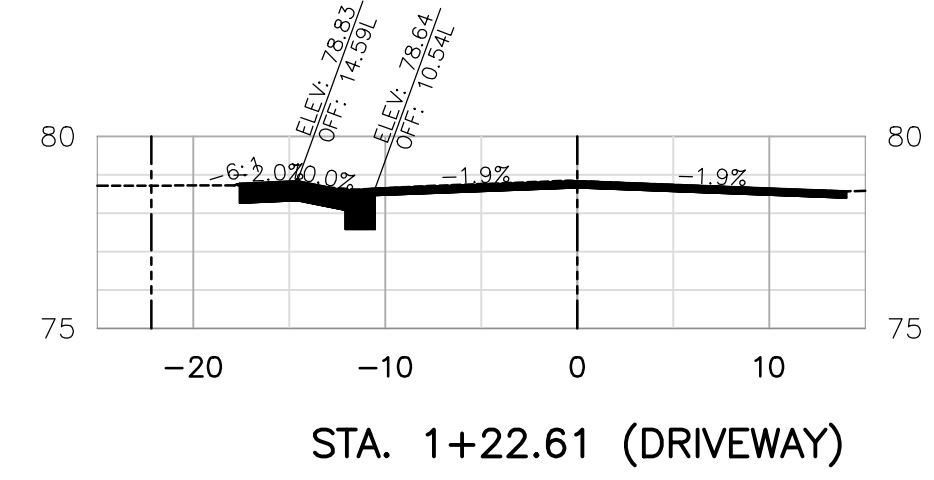
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DRAWN BY: RSM	DATE: 8/11/17
DESIGNED BY: RSM	SCALE: 1"=40'
CHECKED BY: XXX	

WEST SECOND NORTH ST.  
NEIGHBORHOOD REVITALIZATION PROJECT

TOWN OF SUMMERVILLE DORCHESTER COUNTY

DRAWING NO.  
16-1371-001  
SHEET NO.  
C4.00





REVISIONS		
NO.	DATE	DESCRIPTION

TOWN OF SUMMERVILLE  
200 SOUTH MAIN ST.  
SUMMERVILLE, SC 29483



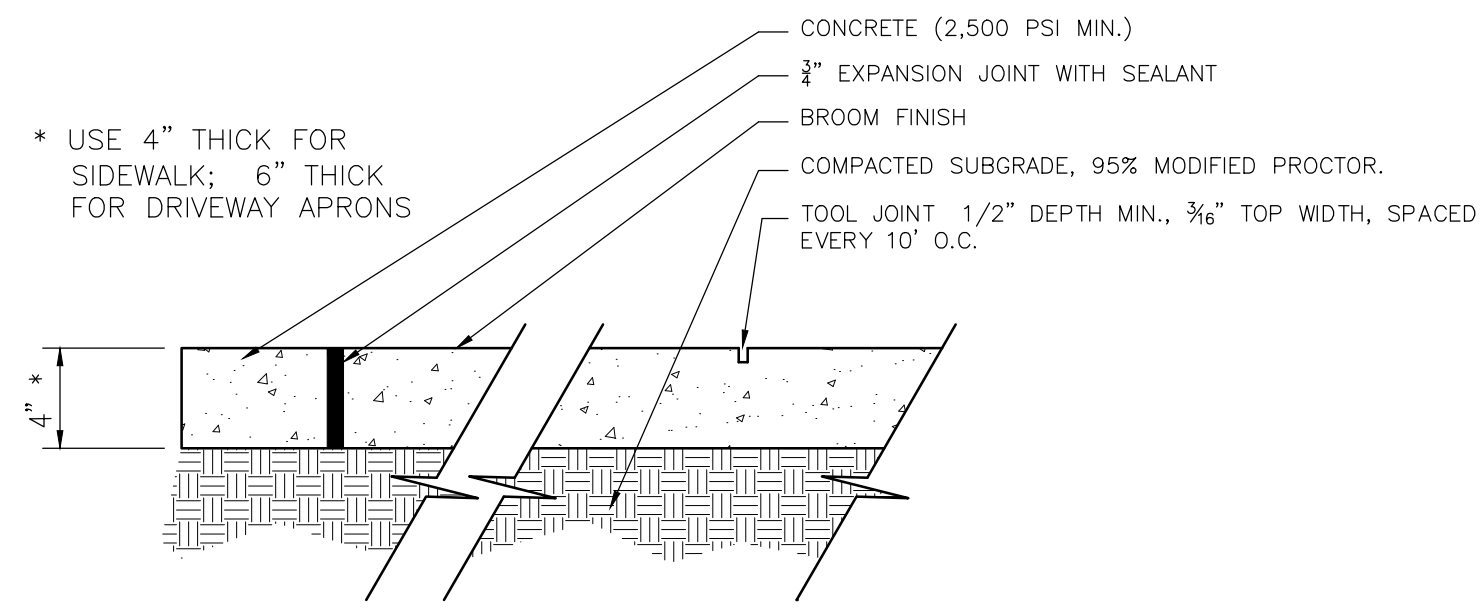
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DRAWN BY: RSM	DATE: 8/11/17
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WEST SECOND NORTH ST.  
NEIGHBORHOOD REVITALIZATION PROJECT

TOWN OF SUMMERVILLE DORCHESTER COUNTY

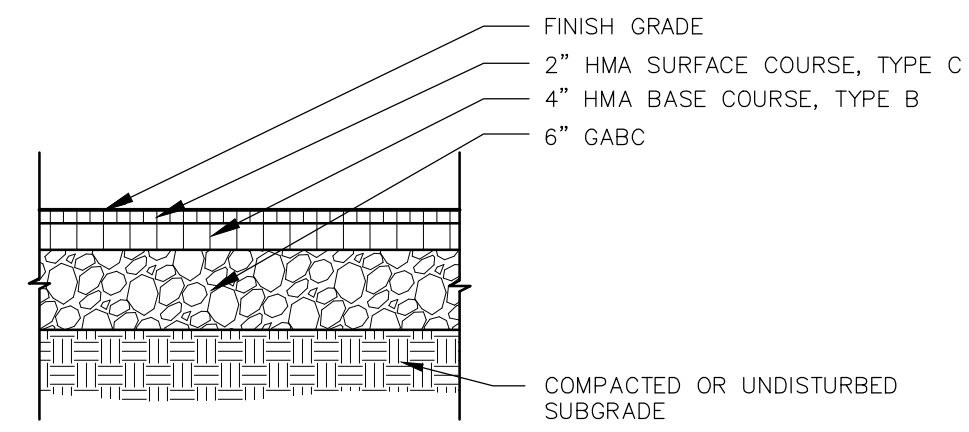
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C4.01





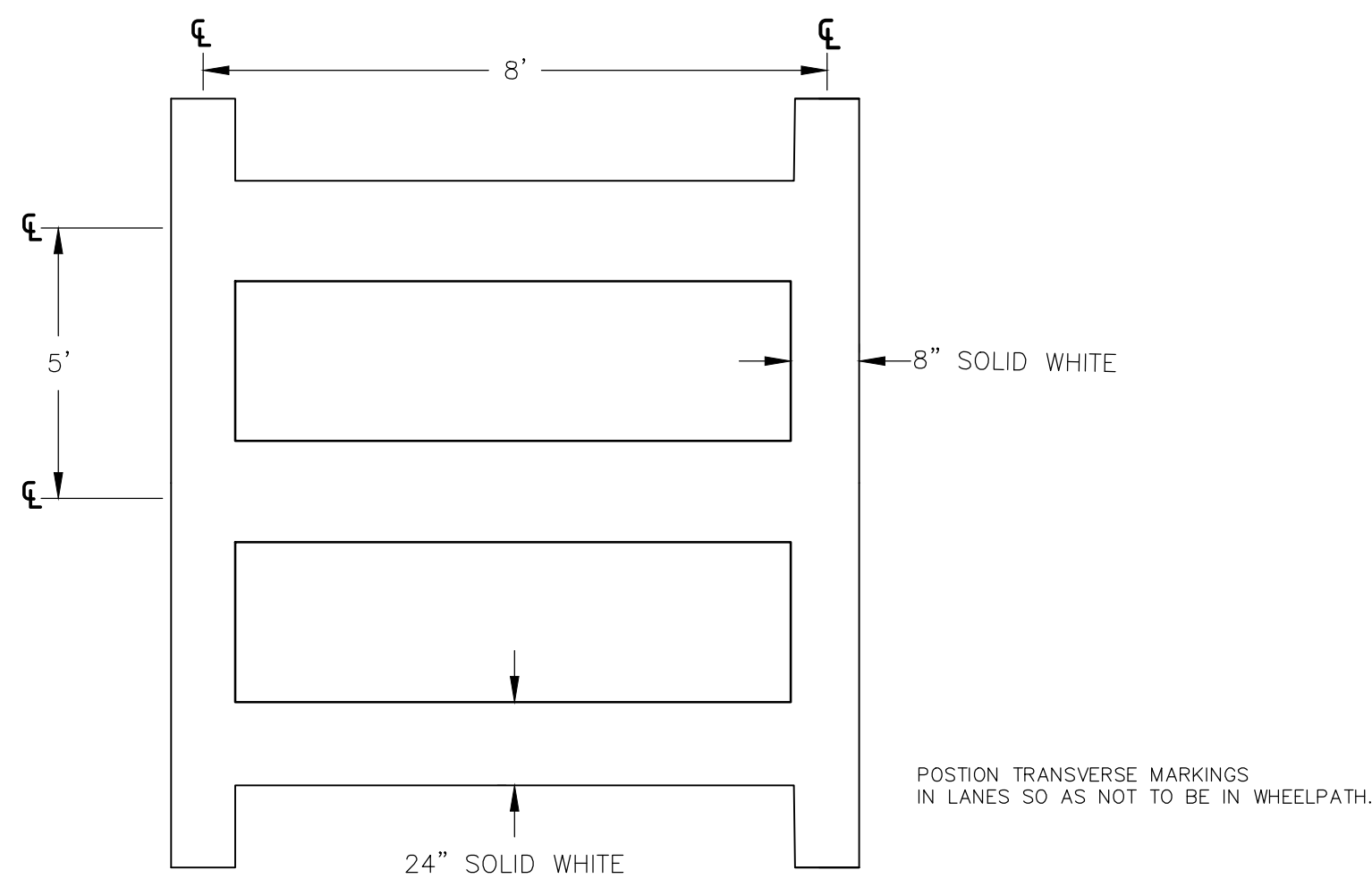
NOTE: CONCRETE SIDEWALK SHALL BE 5' WIDE, TYP.

**1 CONCRETE SIDEWALK / DRIVEWAY**  
5.00 N.T.S.



NOTE: APPLY TACK COAT BETWEEN BITUMINOUS LAYERS AND PRIOR TO BINDER COURSE PLACEMENT

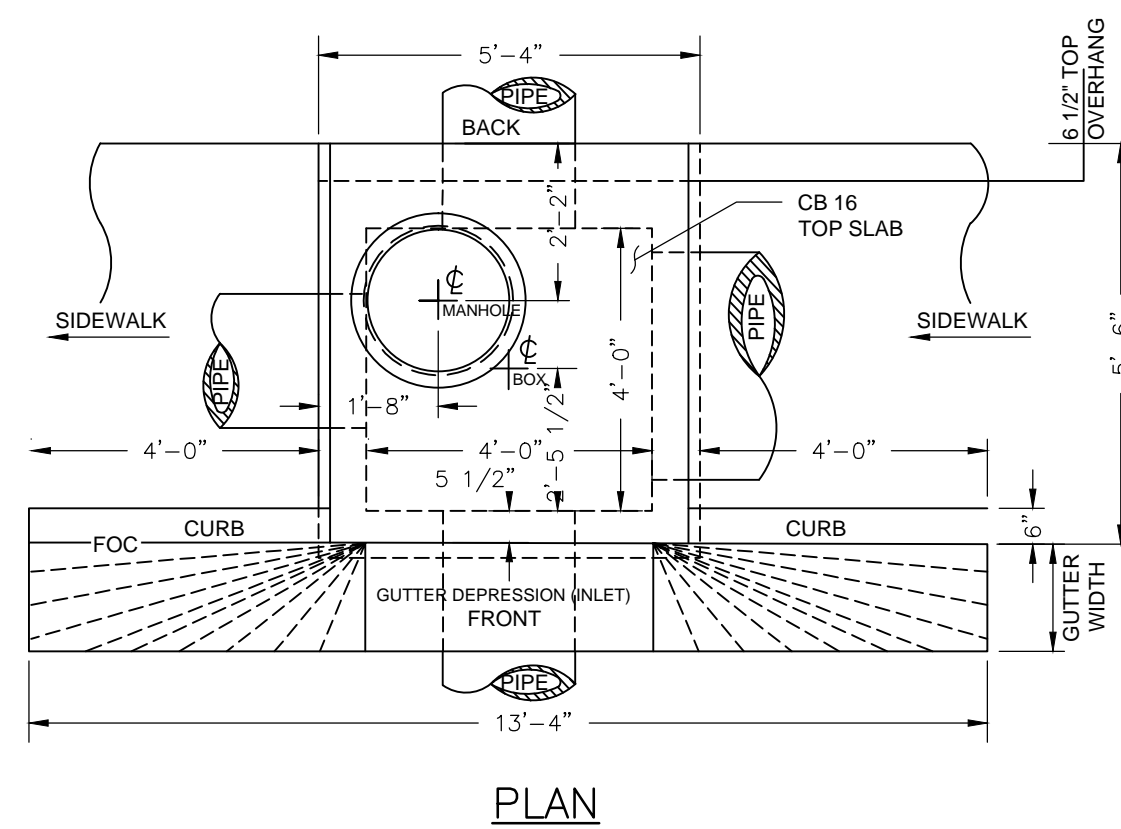
**2 BITUMINOUS REPAIR STRIP**  
5.00 N.T.S.



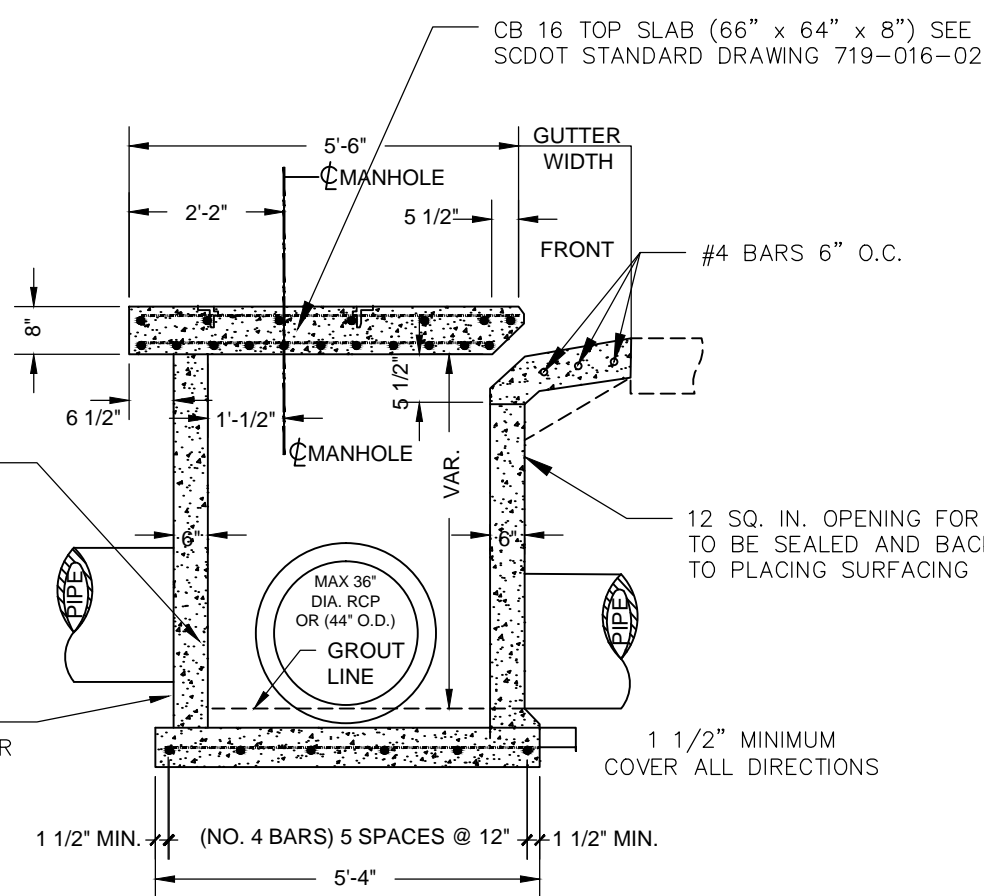
GENERAL NOTES:

- ALL STOPLINES ARE TO BE MARKED WITH 24" SOLID WHITE LINES.
- WHERE CROSSWALK MARKINGS EXIST, STOPLINES SHOULD BE PLACED IN ADVANCE OF AND PARALLEL TO, THE NEAREST CROSSWALK LINE. A MINIMUM DISTANCE OF 4' SHOULD EXIST BETWEEN THE CROSSWALK AND STOPBAR.

**3 CROSSWALK PAVEMENT MARKINGS**  
5.00 N.T.S.



PLAN



SIDE ELEVATION

PLACE PIPE FLUSH WITH INSIDE FACE OF BOX. COAT ALL EXPOSED REBAR IN FIELD CUTS OF RCP WITH AN EPOXY RESIN ADHESIVE CONFORMING TO AASHTO M 235.

PRECAST DRAINAGE BOX CONFORMING TO SCDOT STANDARD DRAINING 719-305-00 OR 719-310-00

GENERAL NOTES:

- FOR PRECAST CONSTRUCTION, A MINIMUM OF CLASS 4000P CONCRETE SHALL BE USED.
- CONCRETE WALL ARE TO BE 6" THICK WITH A MINIMUM REINFORCING STEEL AREA OF THE 0.02 SQUARE INCHES PER FOOT UNLESS NOTED.
- THE BOTTOM SLAB OF THE BOX SHALL BE A MINIMUM OF 6" THICK REINFORCED CONCRETE (CLASS BE USED 3000 IN OR 4000P) WITH A REINFORCING STEEL AREA OF 0.20 SQUARE INCHES PER FOOT. WIRE MESH MAY BE USED IN LIEU IF STEEL BARS PROVIDED A MINIMUM OF 0.02 SQUARE INCHES PER FOOT IS MET.
- MORTAR SHALL BE TYPE S OR M.
- REINFORCING STEEL SHALL BE MESH A-706, LOW-ALLOY STEEL DEFORMED BARS FOR CONCRETE REINFORCEMENT, GRADE 60. WIRE MESH SHALL CONFORM TO AASHTO M 55 AND M 221.
- SEE STANDARD DRAWINGS 719-550-00 FOR STEPS, WHICH ARE REQUIRED WHEN STRUCTURE DEPTH EXCEEDS 4'-6".
- SEE STANDARD DRAWINGS 719-420-00 AND 719-425-00 FOR THE DEPTHS GREATER THAN 12'. PRECAST CONCRETE CIRCULAR DRAINAGE STRUCTURES ARE REQUIRED WHEN THE DEPTH FROM THE TOP OF THE DRAINAGE BOX BOTTOM SLAB TO THE TOP OF THE GROUND EXCEEDS 12'-0".
- SEE STANDARD DRAWING 719-510-00 FOR DETAIL OF MANHOLE CASTING AND COVER. MANHOLE SHALL BE LINED UP WITH THE INTERIOR OF THE BOX AS SHOWN.
- LOCATION AND SIZE OF PIPES ARE SITE SPECIFIC. (SEE DRAINAGE PLANS ). THE BOTTOM OF THE CATCH BASIN IS TO BE GROUTED TO THE LOWEST FLOW LINE ELEVATION OF ALL PIPES. IF BOTTOM SLAB IS CAST IN PLACE WITH PIPES INSTALLED, BOTTOM SLAB THICKNESS MUST BE ACHIEVED BEYOND PIPE OUTSIDE DIAMETER.
- THE CONTRACT UNIT PRICE FOR CATCH BASINS SHALL INCLUDE THE COST OF FURNISHING ALL MATERIALS AND WORK INCIDENTAL TO THE CONSTRUCTION OF THE STRUCTURE COMPLETE IN PLACE AS SHOWN, INCLUDING THE CURB AND GUTTER, IN ACCORDANCE WITH THE SCDOT STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION (LATEST EDITION).
- SPECIAL ATTENTION SHOULD BE GIVEN TO THE COMPACTION OF THE SOIL UNDER THE 6" OR 6 1/2" COVER OVERHANG ON THE BACK OF THE CATCH BASIN, AND UNDER ANY OPTIONAL PRECAST ITEMS USED.
- THE SLOPE ON TOP OF CATCH BASIN IS TO MATCH ADJACENT SIDEWALK OR 50:1 TOWARD ROADWAY WHERE NO SIDEWALK IS PRESENT.
- WHEN IT IS NECESSARY TO PLACE A CATCH BASIN IN A CURVE, THE FACE OF THE CATCH BASIN TOP SHALL CONFORM TO THE HORIZONTAL CURVATURE OF THE ADJACENT CURB WHEN THE RADIUS IS 100 FEET OR LESS. OTHERWISE, THE TOP SHALL BE RECTANGULAR WITH SQUARE CORNERS. IN ALL CASES, THE BACK OF THE CATCH BASIN TOP SHOULD FOLLOW THE SAME ALIGNMENT AS ITS FACE.
- SEE STANDARD DRAWING 719-310-00 OR 719-305-00 FOR MAXIMUM PIPE DIAMETERS. THE PIPE SIZES SHOWN ARE MAXIMUM FOR BRICK AND PRECAST BOXES WHEN PIPE ENTERS PERPENDICULAR AND AT THE CENTER OF THE BOX. WALL CONTRACTOR SHOULD CONFIRM THAT PIPE USED FITS APPROPRIATELY INTO BOX.

PRECAST NOTES:

- SUPPLY PRECAST CONCRETE COMPONENTS FOR DRAINAGE ITEMS AT EACH LOCATION FROM A SINGLE SOURCE PRECAST MANUFACTURER THAT HAS BEEN INSPECTED AND APPROVED BY THE MATERIALS AND RESEARCH ENGINEER. SUPPLY ALL INTERCHANGEABLE PRECAST PARTS ON ENTIRE PROJECT FROM A SINGLE SOURCE MANUFACTURER LISTED ON QUALIFIED PRODUCT LIST 14 UNLESS APPROVED BY ACE. ITEMS FROM MULTIPLE MANUFACTURERS SHOULD NOT BE INSTALLED IN INDIVIDUAL LOCATIONS.
- THE USE OF PRECAST UNITS WILL NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY OF OBTAINING SATISFACTORY INSTALLATIONS. SEE STANDARD DRAWINGS FOR PRECAST CONCRETE DRAINAGE BOX OR STRUCTURE FOR ADDITIONAL DETAILS AND SPECIFICATIONS.
- LIFT HOLES AND/OR DEVICES MAY BE PLACED AS NECESSARY. ALL LIFT HOLES SHALL BE GROUTED SHUT PRIOR TO COMPLETION OF THE INSTALLATION. ALL LIFTING METHODS MUST MEET OSHA REGULATIONS.
- PRECAST TOP SLAB TO BE MANUFACTURED WITH 1" CHAMFER OF RADIUS ON TOP OF FRONT END IN ORDER TO MORE CLOSELY MATCH TOP OF CURB RADIUS.
- IF PRECAST THROAT IS USED, THE THROAT OPENING SHALL NOT OBSTRUCT THE MANHOLE OPENING.
- THE CONTRACTOR SHALL USE A SINGLE SOURCE MANUFACTURER CHOSEN FROM THE LIST ON QUALIFIED PRODUCT LIST 14 FOR PRECAST ITEMS ON THIS DRAWING.
- PRECAST MANUFACTURER SHALL FOLLOW QUALIFIED PRODUCT POLICY 14 BEFORE SUPPLYING THIS ITEM ON SCOOT PROJECTS.
- CONTRACTOR MAY SUBMIT DESIGN DRAWINGS AND CALCULATIONS FOR MODIFICATIONS TO THIS ITEM ON A PROJECT BY PROJECT BASIS. MODIFICATIONS TO THESE ITEMS WILL NOT BE LISTED ON ANY QUALIFIED PRODUCT LIST, SUBMIT ALL PROPOSALS FOR PROJECT SPECIFIC MODIFICATIONS TO THE RESIDENT ENGINEER FOR REVIEW BY THE ENGINEER OF RECORD.
- JOINTS BETWEEN INSTALLED PIECES AND PRECAST ITEMS TO BE PLACED SHALL BE SEALED WITH A 1/2" GROUT LIFT OR AN APPROPRIATE PLASTIC PREFORMED GASKET (FROM QUALIFIED PRODUCT LIST 14.)
- TOP SLAB MUST BE IN LINE WITH BOTH THE ROAD SLOPE (SHOW ON ROAD PLANS AND THE SIDEWALK SLOPE (TYPICALLY 50:1)).
  - ON DRAINAGE STRUCTURES WITH A DEPTH EQUAL TO OR GREATER THAN 12 FEET.
  - ON DRAINAGE STRUCTURES WHERE THE FLOW LINE ELEVATION OF THE INLET PIPE IS EQUAL TO OR HIGHER THAN THE INSIDE TOP (SOFFIT) OF THE OUTLET PIPE.
  - AS REQUIRED BY THE PROJECT PLANS.

**4 CATCH BASIN TYPE 16 (SCDOT)**  
5.00 N.T.S.

REVISIONS		
NO.	DATE	DESCRIPTION

TOWN OF SUMMERVILLE  
200 SOUTH MAIN ST.  
SUMMERVILLE, SC 29483



CONSTRUCTION DETAILS

DRAWN BY: RSM	DATE: 8/11/17
DESIGNED BY: RSM	SCALE: 1"=30'
CHECKED BY: NMB	

WEST SECOND NORTH ST.  
NEIGHBORHOOD REVITALIZATION PROJECT

TOWN OF SUMMERVILLE DORCHESTER COUNTY

DRAWING NO.  
16-1371-001

SHEET NO.  
C5.00



**TEMPORARY SEEDING AND MULCHING NOTES:**

1. THE SURFACE OF THE SOIL SHOULD BE LOOSENEED JUST BEFORE BROADCASTING THE SEED. SEED SHOULD BE APPLIED EVENLY BY THE MOST CONVENIENT METHOD AVAILABLE FOR THE TYPE OF SEED TO BE USED AND THE LOCATION OF THE TEMPORARY SEEDING. TYPICAL APPLICATION METHODS INCLUDE BUT ARE NOT LIMITED TO CYCLONE SEEDERS, ROTARY SPREADERS, DROP SPREADERS, BROADCAST SPREADERS, HAND SPREADERS, CULTRIPACKER SEEDER, AND HYDRO-SEEDERS. COVER APPLIED SEED BY RAKING OR DRAGGING A CHAIN, AND THEN LIGHTLY FIRING THE AREA WITH A ROLLER OR CULTRIPACKER. DO NOT ROLL SEED THAT IS APPLIED WITH A HYDRO-SEEDER OR HYDRO-MULCH.
2. PERFORM SOIL TESTING TO DETERMINE THE SOIL pH. UNLESS THE SOIL TEST INDICATES OTHERWISE, APPLY A MINIMUM OF 1.5 TONS OF LIME/ACRE (70 LBS PER 1000 SF).
3. MULCH WITH SMALL GRAIN STRAW WHICH IS DRY AND FREE FROM MOLD DAMAGE AND NOXIOUS WEEDS. THE STRAW MAY BE ANCHORED WITH NETTING OR EMULSIONS TO PREVENT IT FROM BEING BLOWN OR WASHED AWAY. THE STRAW MULCH SHALL BE APPLIED BY HAND OR MACHINE AT THE RATE OF 1.5 - 2 TONS PER ACRE (90 LBS PER 1000 SF).
4. A MINIMUM OF 500 LBS PER ACRE OF 10-10-10 FERTILIZER (11.5 LBS PER 1000 SF) OR EQUIVALENT SHALL BE APPLIED DURING TEMPORARY SEEDING UNLESS A SOIL TEST INDICATES A DIFFERENT REQUIREMENT. FERTILIZER AND LIME (IF USED) SHOULD BE INCORPORATED INTO THE TOP 4-6 INCHES OF THE SOIL BY DISKING OR OTHER MEANS WHERE CONDITIONS ALLOW. DO NOT MIX THE LIME AND FERTILIZER PRIOR TO FIELD APPLICATION.
5. SEEDED AREAS SHALL BE KEPT ADEQUATELY MOIST. IRRIGATE THE SEEDED AREA IF NORMAL RAINFALL IS NOT ADEQUATE FOR THE GERMINATION AND GROWTH OF SEEDLINGS. WATER SEEDED AREAS AT CONTROLLED RATES THAT ARE LESS THAN THE RATE AT WHICH THE SOIL CAN ABSORB WATER TO PREVENT RUNOFF.
6. TEMPORARY SEEDING CHART:

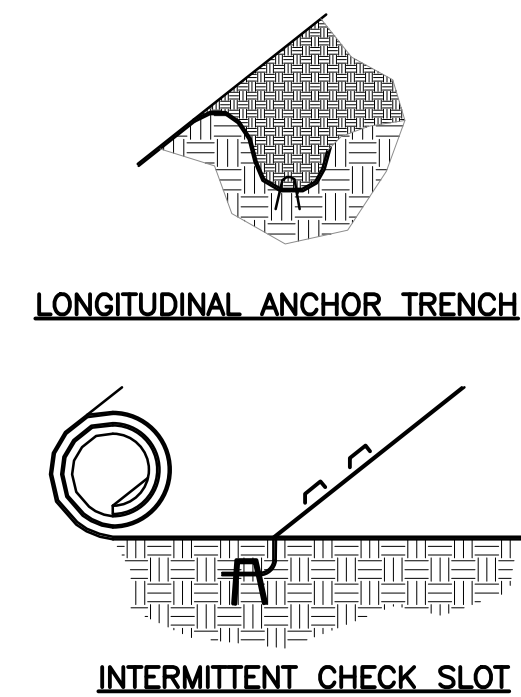
**PERMANENT SEEDING AND MULCHING NOTES:**

1. THE SURFACE OF THE SOIL SHOULD BE LOOSENEED JUST BEFORE BROADCASTING THE SEED. SEED SHOULD BE APPLIED EVENLY BY THE MOST CONVENIENT METHOD AVAILABLE FOR THE TYPE OF SEED TO BE USED AND THE LOCATION OF THE TEMPORARY SEEDING. TYPICAL APPLICATION METHODS INCLUDE BUT ARE NOT LIMITED TO CYCLONE SEEDERS, ROTARY SPREADERS, DROP SPREADERS, BROADCAST SPREADERS, HAND SPREADERS, CULTRIPACKER SEEDER, AND HYDRO-SEEDERS. COVER APPLIED SEED BY RAKING OR DRAGGING A CHAIN, AND THEN LIGHTLY FIRING THE AREA WITH A ROLLER OR CULTRIPACKER. DO NOT ROLL SEED THAT IS APPLIED WITH A HYDRO-SEEDER OR HYDRO-MULCH.
2. PERFORM SOIL TESTING TO DETERMINE THE SOIL pH. UNLESS THE SOIL TEST INDICATES OTHERWISE, APPLY A MINIMUM OF 1.5 TONS OF LIME/ACRE (70 LBS PER 1000 SF).
3. ALL PERMANENT SEEDED AREA SHOULD BE COVERED WITH MULCH IMMEDIATELY UPON COMPLETION OF THE SEEDING APPLICATION TO RETAIN SOIL MOISTURE AND REDUCE EROSION DURING ESTABLISHMENT OF VEGETATION. THE MULCH SHOULD BE APPLIED EVENLY IN SUCH A MANNER THAT IT PROVIDES A MINIMUM OF 75% COVERAGE. MULCH WITH SMALL GRAIN STRAW WHICH IS DRY AND FREE FROM MOLD DAMAGE AND NOXIOUS WEEDS. THE STRAW MAY BE ANCHORED WITH NETTING OR EMULSIONS TO PREVENT IT FROM BEING BLOWN OR WASHED AWAY. THE STRAW MULCH SHALL BE APPLIED BY HAND OR MACHINE AT THE RATE OF 2 TONS PER ACRE (90 LBS PER 1000 SF).
4. A MINIMUM OF 1000 LBS PER ACRE OF 10-10-10 FERTILIZER (23 LBS PER 1000 SF) OR EQUIVALENT SHALL BE APPLIED DURING TEMPORARY SEEDING UNLESS A SOIL TEST INDICATES A DIFFERENT REQUIREMENT. FERTILIZER AND LIME (IF USED) SHOULD BE INCORPORATED INTO THE TOP 4-6 INCHES OF THE SOIL BY DISKING OR OTHER MEANS WHERE CONDITIONS ALLOW. DO NOT MIX THE LIME AND FERTILIZER PRIOR TO FIELD APPLICATION.
5. SEEDED AREAS SHALL BE KEPT ADEQUATELY MOIST. IRRIGATE THE SEEDED AREA IF NORMAL RAINFALL IS NOT ADEQUATE FOR THE GERMINATION AND GROWTH OF SEEDLINGS. WATER SEEDED AREAS AT CONTROLLED RATES THAT ARE LESS THAN THE RATE AT WHICH THE SOIL CAN ABSORB WATER TO PREVENT RUNOFF.
6. INSPECT PERMANENTLY SEEDED AREAS FOR FAILURE, MAKE NECESSARY REPAIRS AND RE-SEED OR OVERSEED WITHIN THE SAME GROWING SEASON IF POSSIBLE.
7. FINAL STABILIZATION BY PERMANENT SEEDING OF THE SITE REQUIRES THAT IT BE COVERED BY A 70% COVERAGE RATE.
8. TEMPORARY SEEDING CHART:

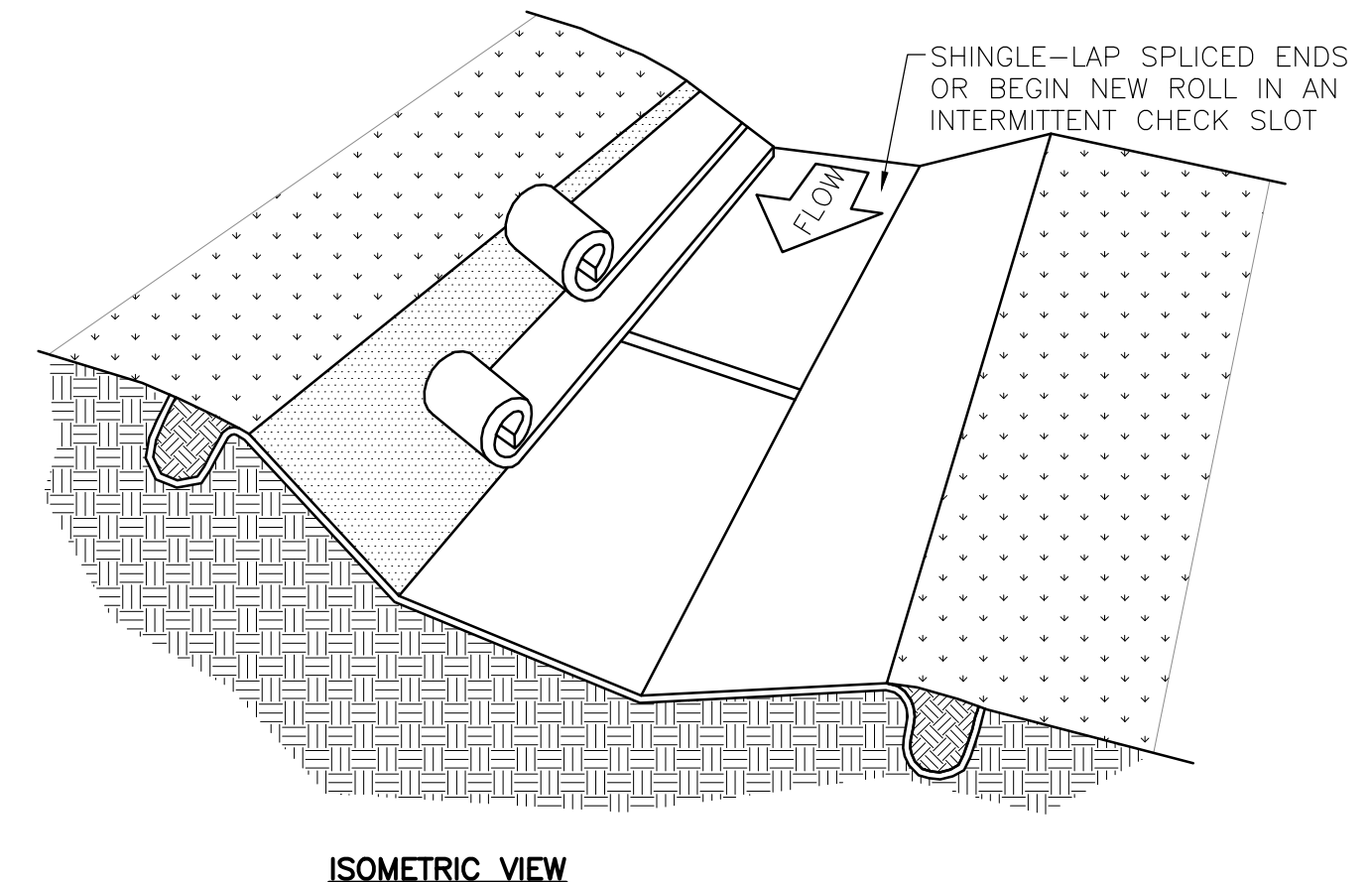
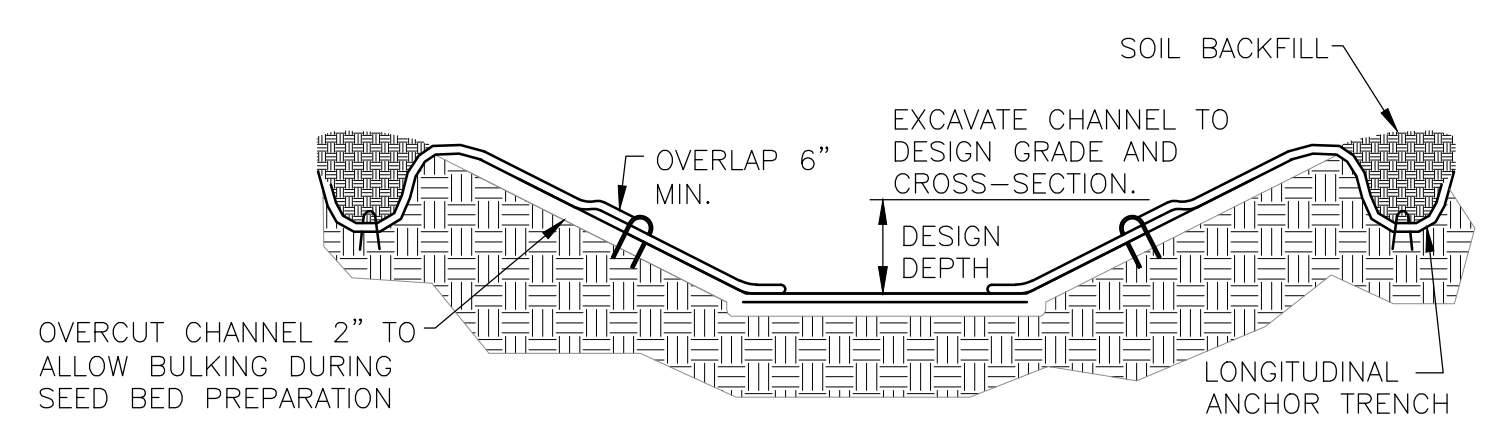
**SEEDING AND MULCHING CHART:**

TEMPORARY VEGETATION SCHEDULE		
SPECIES	RATES (LBS/ACRE)	OPTIMUM DATES TO PLANT
BROWNTOP MILLET (ALONE)	40	APRIL 20 - AUGUST 15
BROWNTOP MILLET (MIX)	10	APRIL 20 - AUGUST 15
RYE GRAIN (ALONE)	56	FEBRUARY - MARCH, AUGUST 15 - NOVEMBER 20
RYE GRAIN (MIX)	10	FEBRUARY-MARCH, AUGUST 15 - NOVEMBER 20
RYE GRASS (ALONE)	50	AUGUST 10 - OCTOBER 10
RYE GRASS (MIX)	8	AUGUST 10 - OCTOBER 10
TEMPORARY VEGETATION FOR STEEP SLOPES / CUT SLOPES		
WEeping LOVEGRASS (ALONE)	4	APRIL - JULY 20
WEeping LOVEGRASS (MIX)	2	APRIL - JULY 20

PERMANENT VEGETATION SCHEDULE		
SPECIES	RATES (LBS/ACRE)	OPTIMUM DATES TO PLANT
BERMUDA GRASS (HULLED)(ALONE)	8-12	APRIL - JULY 15
BERMUDA GRASS (HULLED)(MIX)	4-6	APRIL - JULY 15
FESCUE, TALL (KY31) ALONE	40	AUGUST 15 - OCTOBER
FESCUE, TALL (KY31) MIX	20	AUGUST 15 - OCTOBER
SERICEA LESPEDEZA (SCARIFIED) ALONE OR MIX, (INOCULATE WITH EL INOCULANT)	40	APRIL - JUNE
LADINO CLOVER (MIX ONLY), (INOCULATE WITH AB INOCULANT)	2	AUGUST 20 - OCTOBER
PERMANENT VEGETATION FOR STEEP SLOPES / CUT SLOPES		
WEeping LOVEGRASS (ALONE)	4	APRIL - JULY 20
WEeping LOVEGRASS (MIX)	2	APRIL - JULY 20
CROWNVELTCH (MIX)(INOCULATE WITH TYPE M INOCULANT)	8-10	MARCH - APRIL



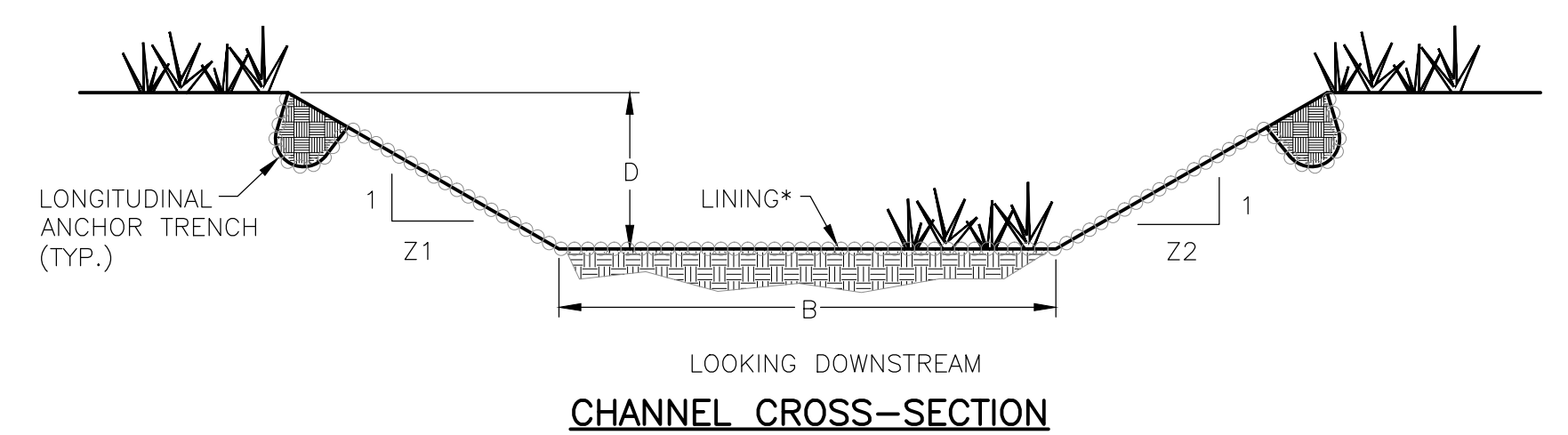
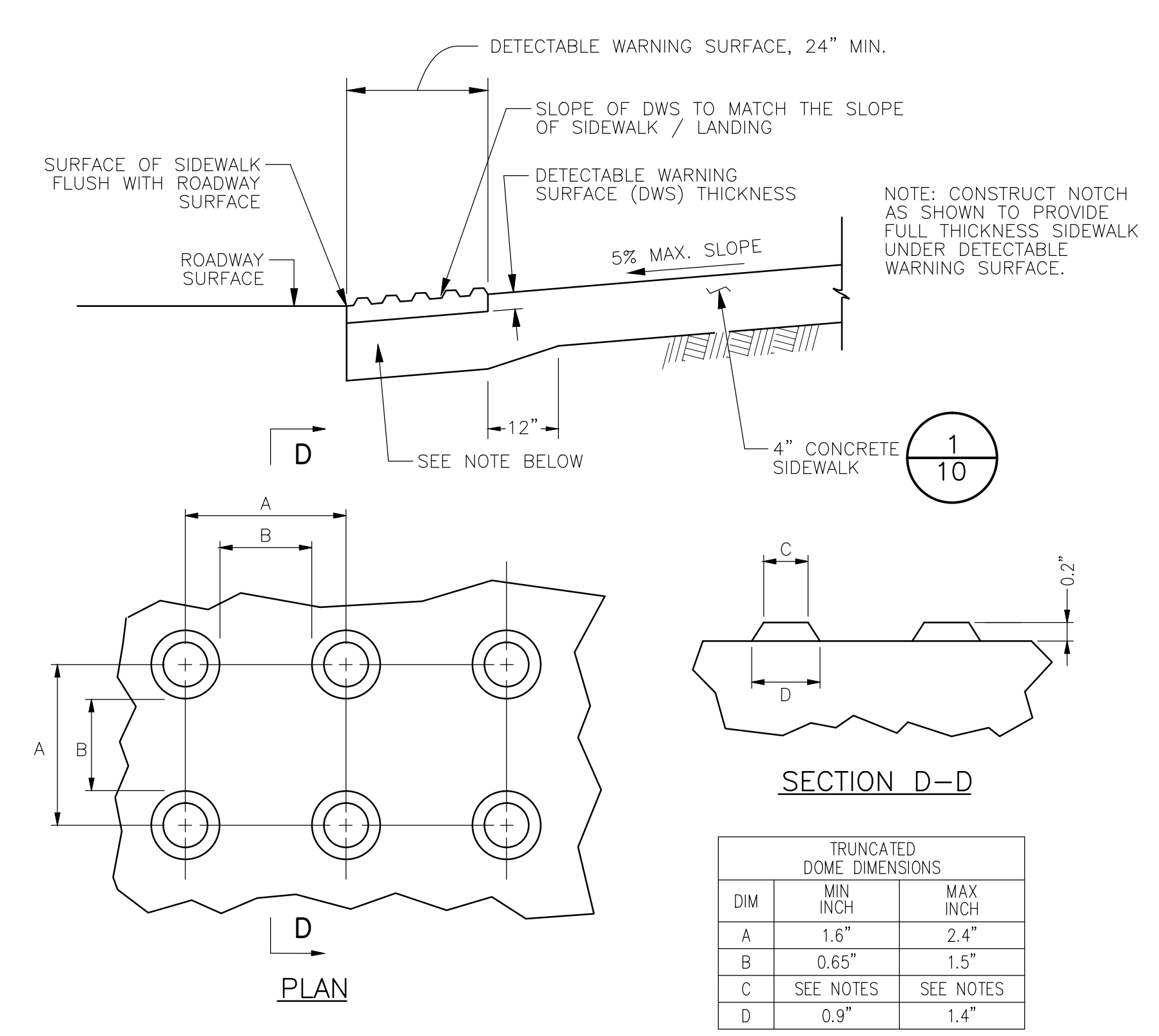
1  
5.01 N.T.S. CHANNEL INSTALLATION



2  
5.01 ADA RAMP N.T.S.

**CURB RAMP NOTES:**

1. USE MATERIALS AND WORKMANSHIP IN ACCORDANCE WITH THE SCDOT STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION (LATEST EDITION), SCDOT QUALIFIED PRODUCT LIST 61 AND DETECTABLE WARNING MANUFACTURER'S INSTALLATION INSTRUCTIONS.
2. PROVIDE EXPANSION JOINT MATERIAL 1/2" THICK WHERE CURB RAMP ADJOINS ANY RIGID PAVEMENT, SIDEWALK OR STRUCTURE WITH THE TOP OF JOINT FILLER FLUSH WITH ADJACENT CONCRETE SURFACE.
3. SEAL JOINTS WITH AN APPROVED SEALING MATERIAL.
4. PROVIDE SLIP RESISTANT TEXTURE ON CURB RAMP BY COARSE BROOMING TRANSVERSE TO THE SLOPE OF THE RAMP. EXTEND TEXTURE THE FULL WIDTH AND LENGTH OF THE CURB RAMP INCLUDING FLARED SIDE RAMPS.
5. ALIGN DETECTABLE WARNING DOMES ON A SQUARE GRID IN THE PREDOMINANT DIRECTION OF THE RAMP AND PERPENDICULAR TO THE ROADWAY.
6. PROVIDE DETECTABLE WARNING SURFACES (DWS) 24" MINIMUM (IN THE DIRECTION OF PEDESTRIAN TRAVEL) ACROSS FULL WIDTH OF RAMP AT THE GRADE BREAK NEAR STREET EDGE. PROVIDE DWS THAT CONTRAST VISUALLY WITH ADJACENT WALKWAY SURFACES, EITHER LIGHT-ON-DARK OR DARK-ON-LIGHT FOR THE FULL WIDTH OF RAMP.
7. CONSTRUCT SIDEWALK, PARALLEL RAMP, AND LANDING CROSS SLOPES AT 1% MIN. (2% MAX.). CONSTRUCT CROSS SLOPE OF PERPENDICULAR RAMPS TO MATCH ROADWAY GRADE.
8. FOR LOCATIONS THAT REQUIRE A TURNING MANEUVER, THE MAXIMUM SLOPE IS 2.00% IN ALL DIRECTIONS.
9. GRADE GRASS AREAS OR OTHER NON-WALK AREAS AS 4:1 (1:4). DO NOT USE CHEEK WALLS.
10. SIDEWALKS TO BE BUILT IN ACCORDANCE WITH THE REVISED DRAFT GUIDELINES FOR ACCESSIBLE PUBLIC RIGHTS-OF-WAY (NOVEMBER 23, 2005).
11. PLACE ALL STYLE DETECTABLE WARNING SURFACES FLUSH WITH TOP OF SIDEWALK (FLUSH ± 1/8").
12. ALIGN TRUNCATED DOME PATTERN IN LINE WITH DIRECTION PEDESTRIAN TRAVEL ACROSS THE WARNING SURFACE.
13. GROOVE A 1/4" x 1/2" JOINT IN THE CONCRETE PAD DIRECTLY AROUND THE PERIMETER OF THE DETECTABLE WARNING SURFACE FOR ALL WET INSET AND PAVER STYLE WARNING SURFACES.



\* SEE MANUFACTURER'S LINING INSTALLATION DETAIL FOR STAPLE PATTERNS, AND VEGETATIVE STABILIZATION SPECIFICATIONS FOR SOIL AMENDMENTS, SEED MIXTURES AND MULCHING INFORMATION.

CHANNEL NO.	STATIONS	BOTTOM WIDTH B (FT)	DEPTH D (FT)	TOP WIDTH W (FT)	Z1 (FT)	Z2 (FT)	LINING*
1	ALL	1.5	1.0	5.5	2	2	NORTH AMERICAN GREEN, NAG S150 * OR APPROVED EQUAL

- NOTES:
1. ANCHOR TRENCHES SHALL BE INSTALLED AT THE BEGINNING AND END OF CHANNEL IN THE SAME MANNER AS LONGITUDINAL ANCHOR TRENCHES.
  2. CHANNEL DIMENSIONS SHALL BE CONSTANTLY MAINTAINED. CHANNEL SHALL BE CLEANED WHENEVER TOTAL CHANNEL DEPTH IS REDUCED BY 25% AT ANY LOCATION.
  3. SEDIMENT DEPOSITS SHALL BE REMOVED WITHIN 24 HOURS OF DISCOVERY OR AS SOON AS SOIL CONDITIONS PERMIT ACCESS TO CHANNEL WITHOUT FURTHER DAMAGE. DAMAGED LINING SHALL BE REPAIRED OR REPLACED WITHIN 48 HOURS OF DISCOVERY.
  4. NO MORE THAN ONE THIRD OF THE SHOOT (GRASS LEAF) SHALL BE REMOVED IN ANY MOWING. GRASS HEIGHT SHALL BE MAINTAINED BETWEEN 2 AND 3 INCHES UNLESS OTHERWISE SPECIFIED. EXCESS VEGETATION SHALL BE REMOVED FROM PERMANENT CHANNELS TO ENSURE SUFFICIENT CHANNEL CAPACITY.

3  
5.01 N.T.S. VEGETATED CHANNELS

REVISIONS		
NO.	DATE	DESCRIPTION

TOWN OF SUMMERVILLE  
200 SOUTH MAIN ST.  
SUMMERVILLE, SC 29483



**CONSTRUCTION DETAILS**

DRAWN BY: RSM	DATE: 8/11/17
DESIGNED BY: RSM	SCALE: 1"=30'
CHECKED BY: NMB	

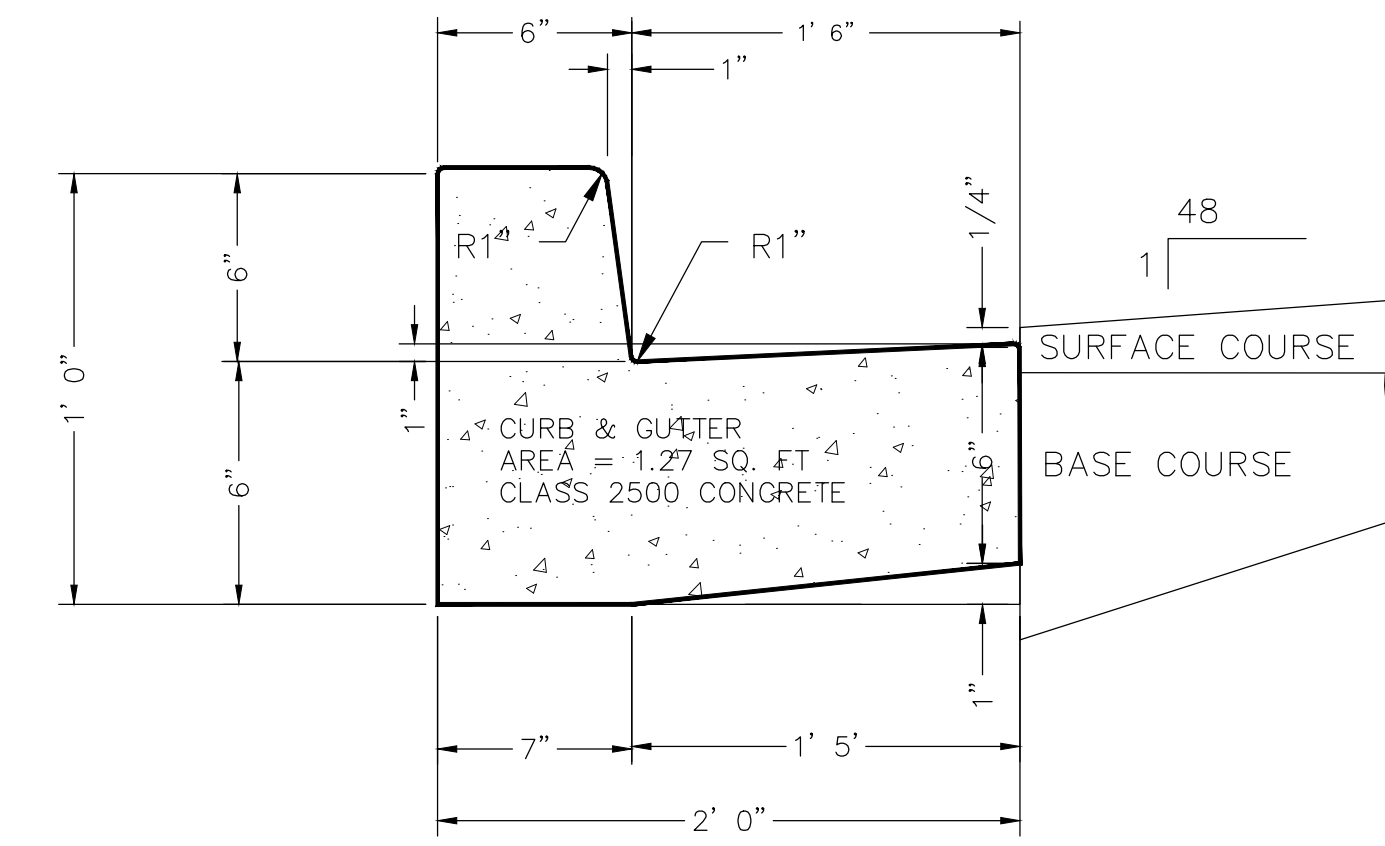
WEST SECOND NORTH ST.  
NEIGHBORHOOD REVITALIZATION PROJECT

TOWN OF SUMMERVILLE DORCHESTER COUNTY

DRAWING NO.  
16-1371-001

SHEET NO.  
C5.01

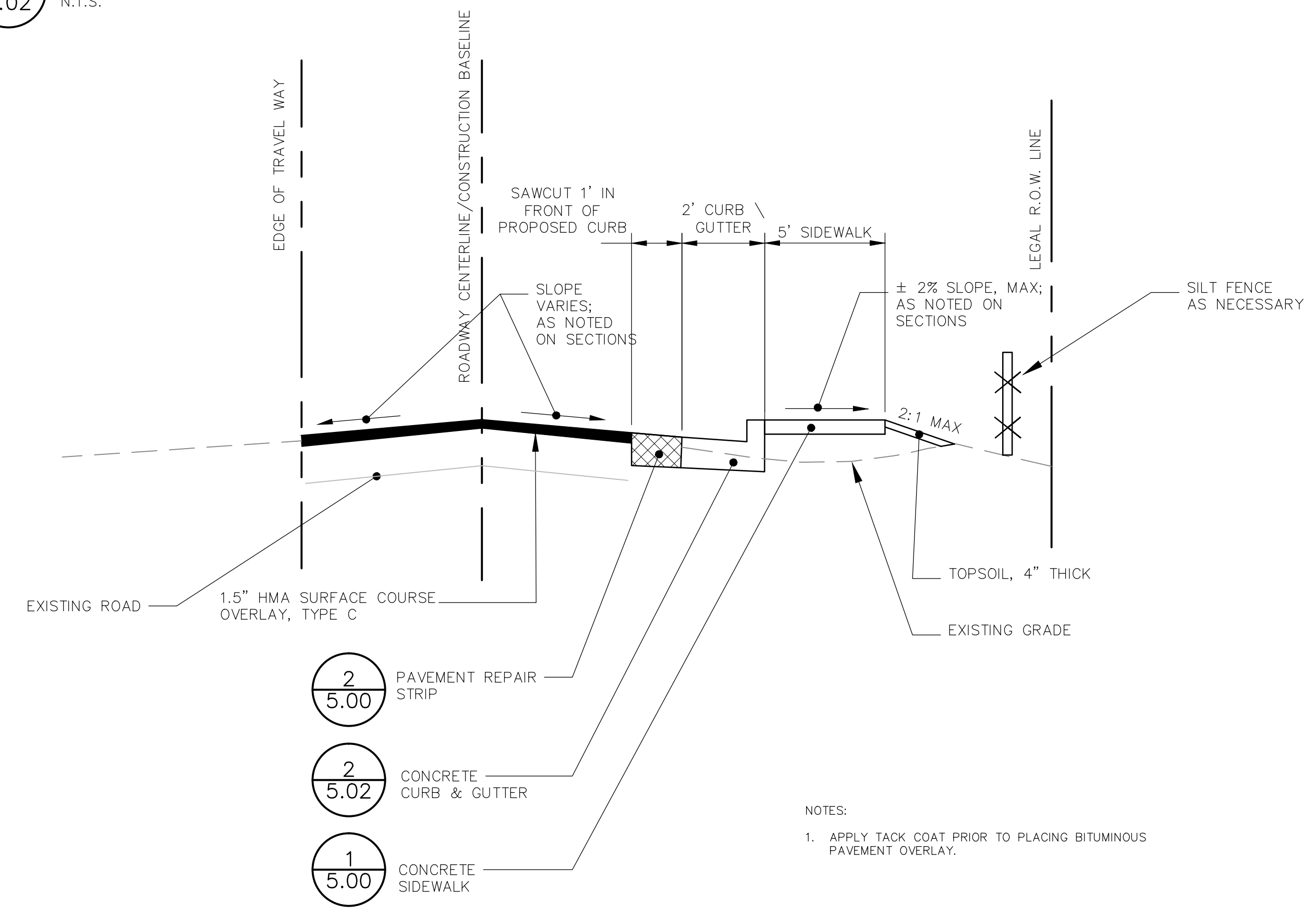




- NOTES:
1. USE CONCRETE CURB AND GUTTER WITH VERTICAL FACE UNLESS OTHERWISE NOTED.
  2. USE MINIMUM CLASS 2500 CONCRETE.
  3. USE 3' TRANSITION AT END OF RADII ON INTERSECTING STREETS AND WHERE CURB IS 6 FEET OR GREATER FROM MAINLINE TRAVEL LANE.
  4. USE 10' TRANSITION WHERE CURB IS LESS THAN 6 FEET FROM MAINLINE TRAVEL LANE.
  5. INCLUDE COST OF WORK TO CONSTRUCT TRANSITIONS IN THE COST PER LF OF CURB AND GUTTER.
  6. DEVELOP GUTTER SLOPE ON HIGH SIDE OF SUPERELEVATION AS SHOWN ON STANDARD DRAWING 150-205-00. EXCEPT ON OGEE CURB & GUTTER.
  7. USE DETECTABLE WRING AS REQUIRED ON STAND DRAWING 720-905-XX.
  8. WHEN MAILBOXES ARE PRESENT, USE APPROPRIATE CURB TYPE. INSTALL MAILBOXES BEHIND CURB OR SIDEWALK AS SHOWN ON STANDARD DRAWING 203-905-00.

TYPICAL CROSS SECTION

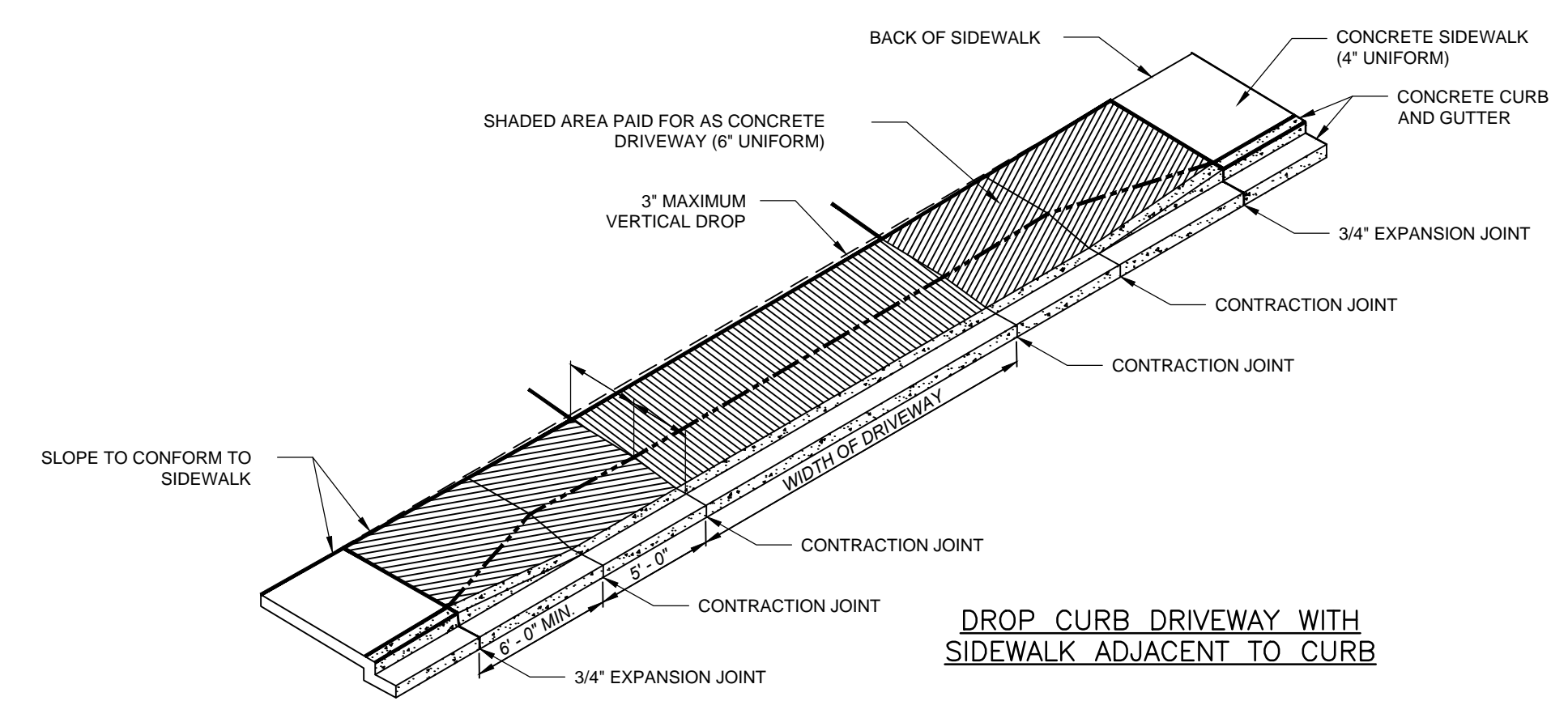
2 CURB & GUTTER  
5.02 N.T.S.



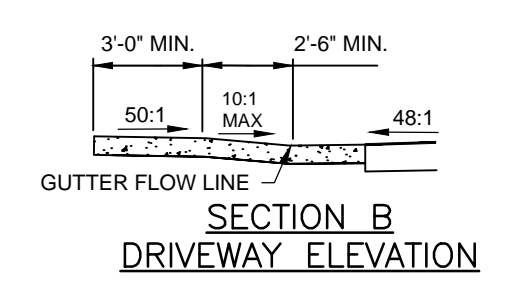
- NOTES:
1. APPLY TACK COAT PRIOR TO PLACING BITUMINOUS PAVEMENT OVERLAY.

3 TYPICAL ROADWAY / SIDEWALK SECTION  
5.02 N.T.S.

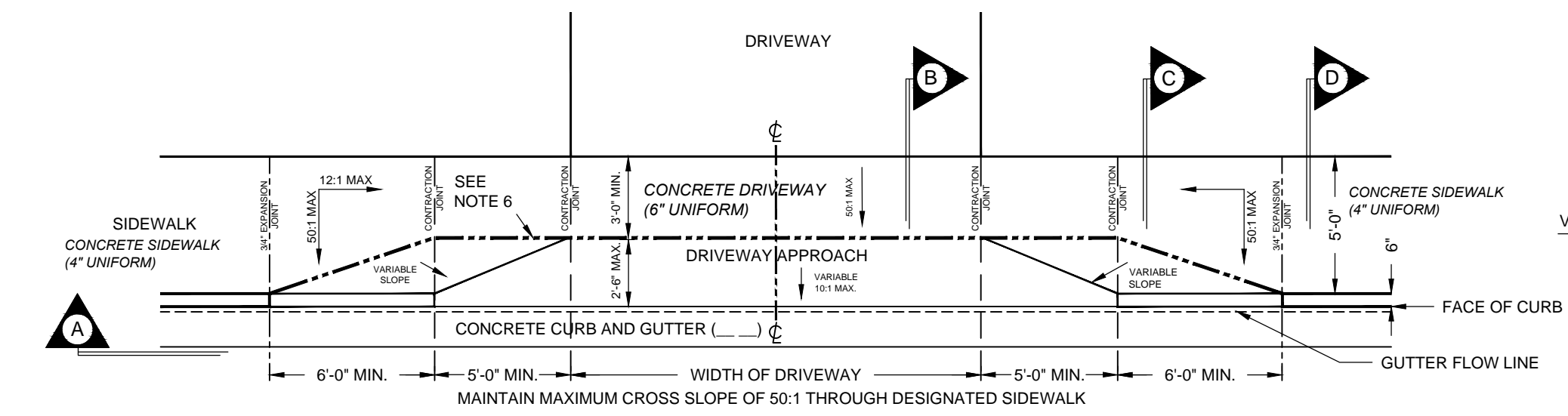
- NOTES:
1. PROVIDE ADDITIONAL CONTRACTION JOINTS WITHIN DRIVEWAY WIDTH AS SPECIFIED IN SCOOT STANDARD SPECIFICATIONS, SECTION 720.
  2. DRIVEWAYS TO BE CONSTRUCTED WHERE DESIGNATED BY THE RESIDENT CONSTRUCTION ENGINEER.
  3. CONCRETE CURB THROUGH DRIVEWAY TO BE MEASURED AND PAID FOR AS CURB I. GUTTER EVEN WHEN CURB IS DROPPED.
  4. ALL SIDEWALKS ARE TO BE CONSTRUCTED ON A 50:1 MAX. CROSS SLOPE. ALL OTHER SLOPES OF RAMPS AND DRIVEWAYS ARE TO BE A 12:1 MAX UNLESS NOTED OTHERWISE.
  5. SIDEWALK SHALL BE BUILT IN ACCORDANCE WITH THE REVISED DRAFT GUIDELINES FOR ACCESSIBLE PUBLIC RIGHTS-OF-WAY (NOVEMBER 23, 2005).
  6. METAL KEYWAY STYLE JOINTS MAY BE INSTALLED BETWEEN DRIVEWAY APPROACH AND SIDEWALK TO ACHIEVE LINE AND GRADE. KEEP METAL JOINT MATERIAL FLUSH WITH DR BELOW ELEVATION OF CONCRETE.
  7. FOR CURB OF INTEGRAL CURB DETAILS SEE STANDARD DRAWING NO. 720-105-00.



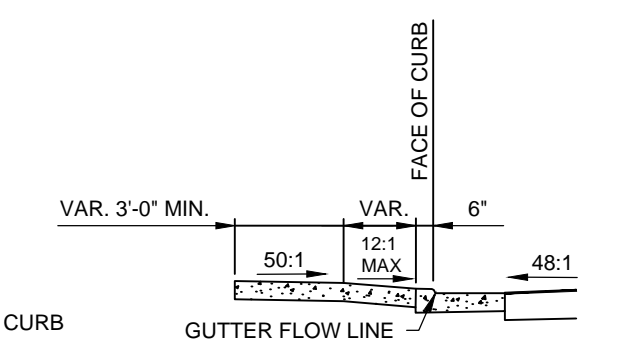
DROP CURB DRIVEWAY WITH SIDEWALK ADJACENT TO CURB



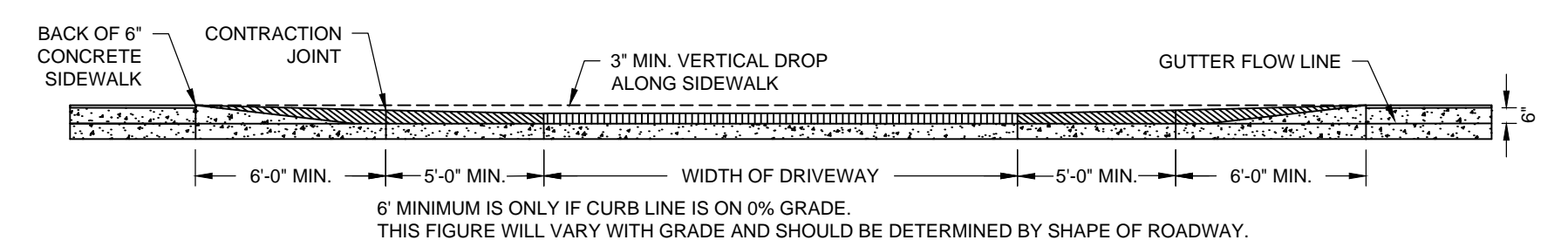
SECTION B DRIVEWAY ELEVATION



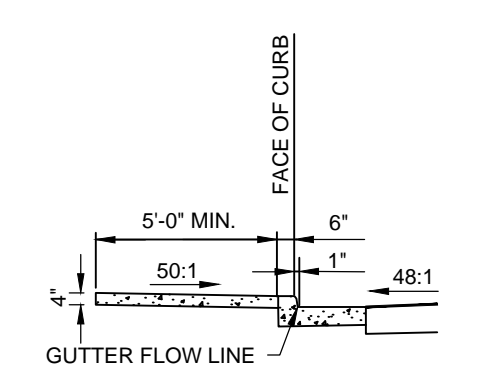
DRIVEWAY PLAN



SECTION C DRIVEWAY ELEVATION



SECTION A DRIVEWAY ELEVATION



SECTION D DRIVEWAY ELEVATION

1 DROP CURB DRIVEWAY WITH SIDEWALK ADJACENT TO CURB  
5.02 N.T.S.

REVISIONS		
NO.	DATE	DESCRIPTION

TOWN OF SUMMERVILLE  
200 SOUTH MAIN ST.  
SUMMERVILLE, SC 29483



CONSTRUCTION DETAILS	
DRAWN BY: RSM	DATE: 8/11/17
DESIGNED BY: RSM	SCALE: 1"=30'
CHECKED BY: NMB	

WEST SECOND NORTH ST.  
NEIGHBORHOOD REVITALIZATION PROJECT

TOWN OF SUMMERVILLE DORCHESTER COUNTY

DRAWING NO.  
16-1371-001

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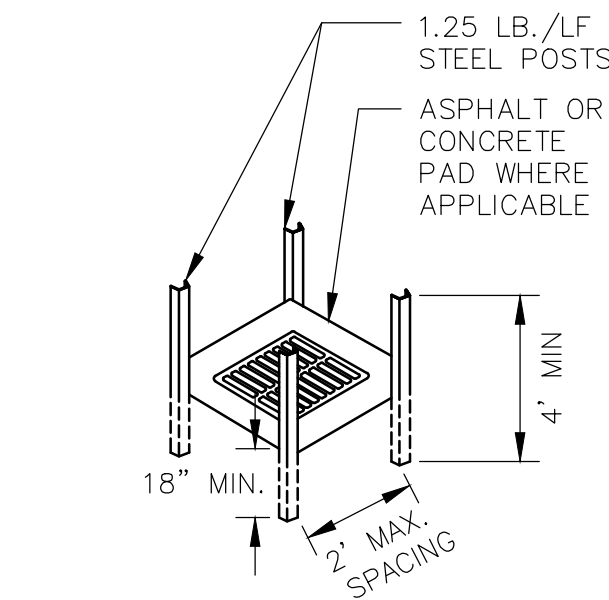
SILT FENCE				
HEIGHT OF FILL (y) IN FEET	FILL SLOPE	MINIMUM SILT FENCE OFFSET FROM TOE OF SLOPE (x) IN FEET	MINIMUM RIGHT OF WAY OFFSET FROM TOE OF SLOPE (NPDES LINE) (z) IN FEET	CHECK LENGTH IN FEET **
< 6	2:1	2	3	2
	4:1			
	6:1			
6-10	2:1	12*	13*	5
	4:1			
	6:1			
> 10	2:1	12*	13*	5
	4:1			
	6:1	4	5	4

\* THESE MINIMUM OFFSETS MAY BE REDUCED WHEN CURB AND GUTTER OR SOME OTHER FEATURE REDUCES THE FLOW OF WATER DOWN THE SLOPE. THE SMALL OFFSETS OF EACH GROUP OF HEIGHT OF FILL CANNOT BE REDUCED.

\*\* SILT FENCE CHECKS WILL HAVE A MAXIMUM LENGTH OF FIVE (5) FEET OR UNTIL THEY TIE BACK INTO THE SLOPE.

- GENERAL NOTES:
- SILT FENCE CHECKS MUST BE LOCATED EVERY 100 FT. MAXIMUM AND AT LOW POINTS. FILTER FABRICS SHALL CONFORM TO SCDOT STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION (LATEST EDITION).
  - USE POSTS CONFORMING TO SCDOT STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS. POSTS SHALL BE A MINIMUM OF 5 FEET LONG AND INSTALLED TO A MINIMUM DEPTH OF 24 INCHES WITH NO MORE THAN 3 FEET OF THE POST ABOVE GROUND. AT LEAST 1 TO 2 INCHES OF THE POSTS SHALL EXTEND ABOVE THE TOP OF THE FABRIC. POST SPACING WILL BE A MAXIMUM OF 6 FEET ON CENTER.
  - POSTS SHALL HAVE PROJECTIONS FOR FASTENING THE FABRIC TO THE POST. POSTS SHALL ALSO HAVE A SOIL PLATE NEAR THE BOTTOM OF THE POST. EXCEPT WHEN HEAVY CLAY SOILS ARE PRESENT ON-SITE.
  - ATTACH FABRIC TO POSTS USING HEAVY-DUTY PLASTIC TIES THAT ARE EVENLY SPACED AND PLACED IN A MANNER TO PREVENT SAGGING OR TEARING OF THE FABRIC. IN ALL CASES, TIES SHOULD BE AFFIXED IN NO LESS THAN 4 PLACES.
  - TYPICAL SILT FENCE APPLICATIONS REQUIRE 24 INCHES OF THE FABRIC TO BE ABOVE GROUND. WHEN NEEDED, THE HEIGHT OF SILT FENCE FABRIC ABOVE THE GROUND MAY BE GREATER THAN 24".
  - IN TIDAL AREAS, EXTRA SILT FENCE HEIGHT MAY BE REQUIRED. THE LENGTH OF POST WILL BE TWICE THE EXPOSED POST HEIGHT. POST SPACING AND BURIED DEPTHS WILL REMAIN AS SHOWN HEREON. EXTRA HEIGHT FABRIC WILL BE 4, 5 OR 6 FEET TOTAL WIDTH.

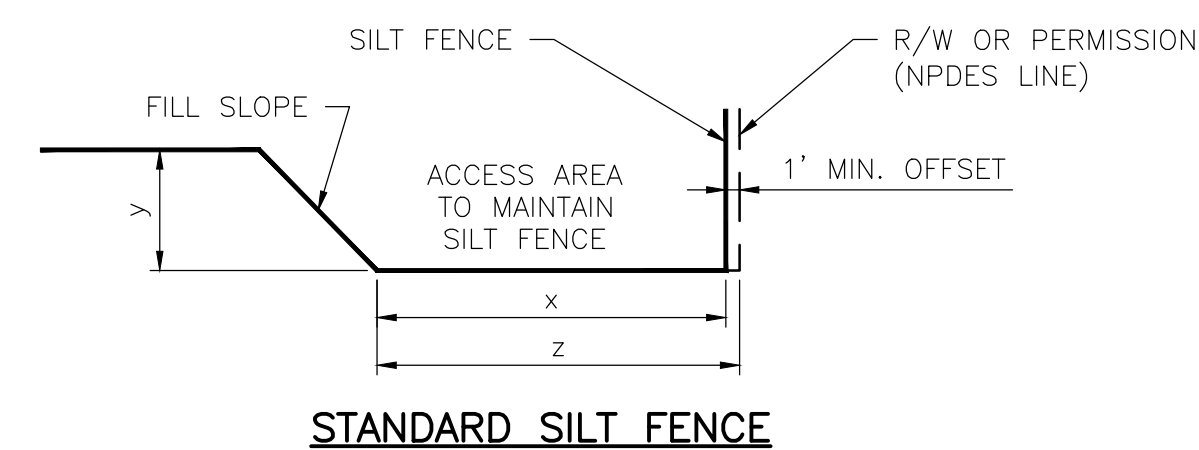
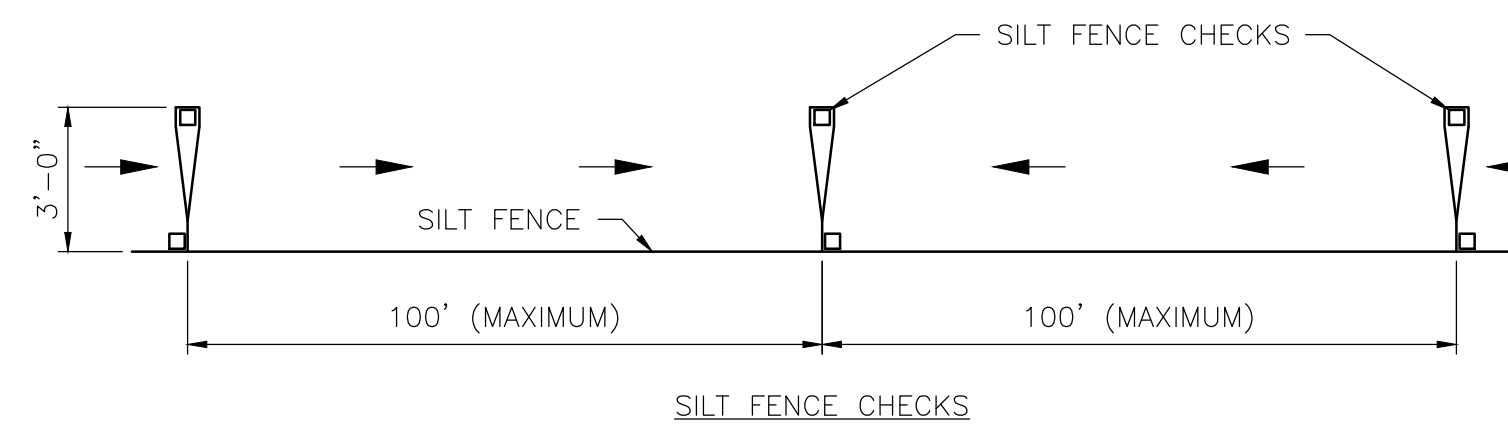
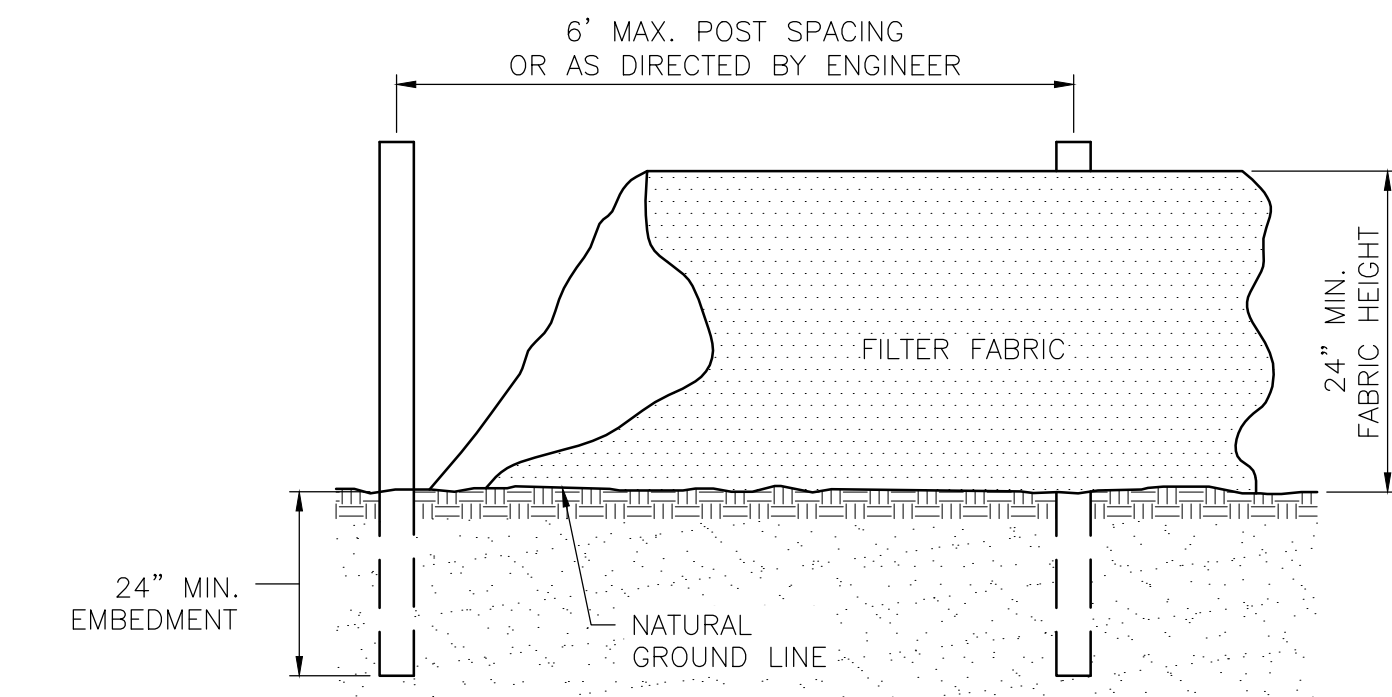
- INSPECTION AND MAINTENANCE:
- SILT SHALL BE REMOVED AND DISPOSED OF WHEN SILT ACCUMULATES TO 1/3 THE HEIGHT OF THE FENCE. TRAPPED SEDIMENT SHALL BE REMOVED OR STABILIZED ON-SITE. MAINTENANCE OF SILT FENCE WILL BE MEASURED AND PAID FOR BY THE ITEM OF SILT BASIN.



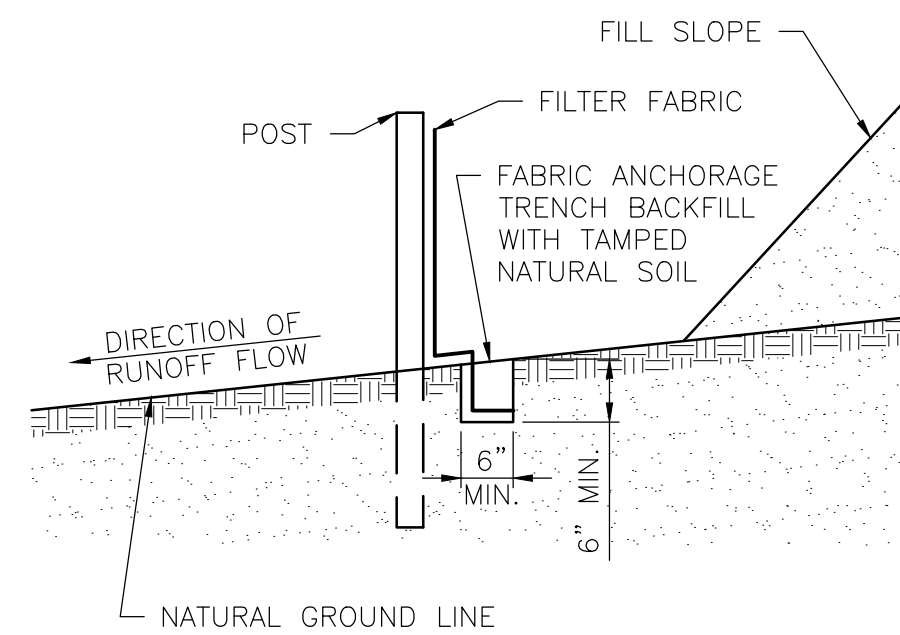
POST INSTALLATION DETAIL

- GENERAL NOTES:
- REFER TO SCDOT STANDARD DRAWING 815-002-00.

- INSPECTION AND MAINTENANCE:
- INSPECTIONS SHALL BE MADE EVERY SEVEN (7) CALENDAR DAYS. ANY NEEDED REPAIRS SHOULD BE HANDLED IMMEDIATELY.
  - SEDIMENT SHOULD BE REMOVED WHEN IT REACHES APPROXIMATELY 1/3 THE HEIGHT OF THE STRUCTURE. IF A SUMP IS USED, SEDIMENT SHOULD BE REMOVED WHEN IT FILLS APPROXIMATELY 1/3 THE DEPTH OF THE HOLE. MAINTAIN THE POOL AREA, ALWAYS PROVIDING ADEQUATE SEDIMENT STORAGE VOLUME FOR THE NEXT STORM. CLEANING INLET STRUCTURE FILTERS.
  - IF THE STONE BECOMES CLOGGED WITH SEDIMENT, THE STONES MUST BE PULLED AWAY FROM THE INLET AND CLEANED OR REPLACED. SINCE CLEANING OF GRAVEL AT A CONSTRUCTION SITE MAY BE DIFFICULT, AN ALTERNATIVE APPROACH WOULD BE TO REMOVE THE CLOGGED STONE AS FILL AND PUT FRESH STONE AROUND THE INLET.
  - STORM DRAIN INLET PROTECTION STRUCTURES SHOULD BE REMOVED ONLY AFTER THE DISTURBED AREAS ARE PERMANENTLY STABILIZED. REMOVE ALL CONSTRUCTION MATERIAL AND SEDIMENT, AND DISPOSE OF THEM PROPERLY. GRADE THE DISTURBED AREA TO THE ELEVATION OF THE INLET STRUCTURE CREST. STABILIZE ALL BASE AREAS IMMEDIATELY.

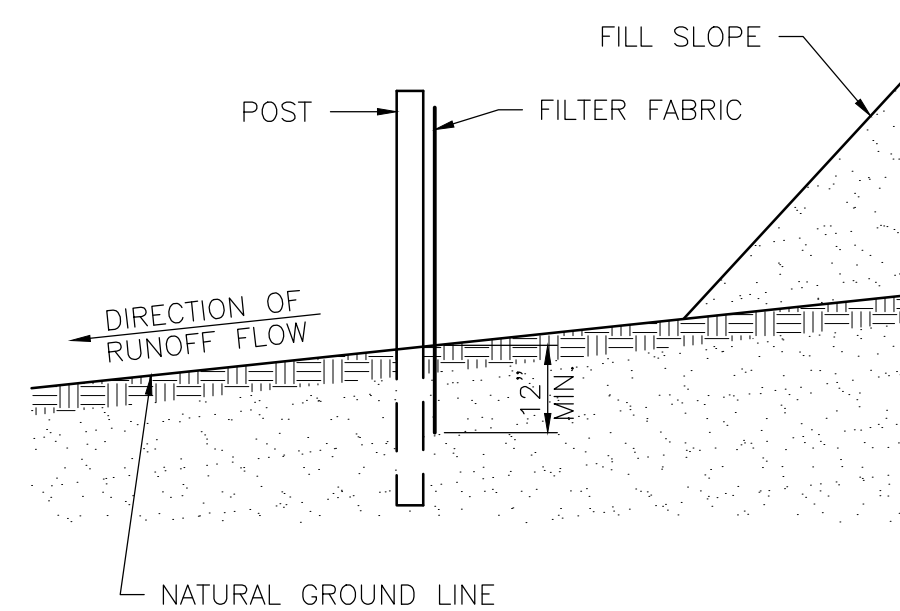


STANDARD SILT FENCE

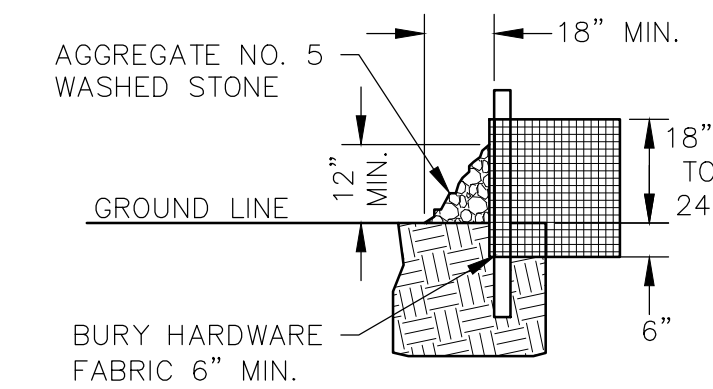


TRENCH METHOD

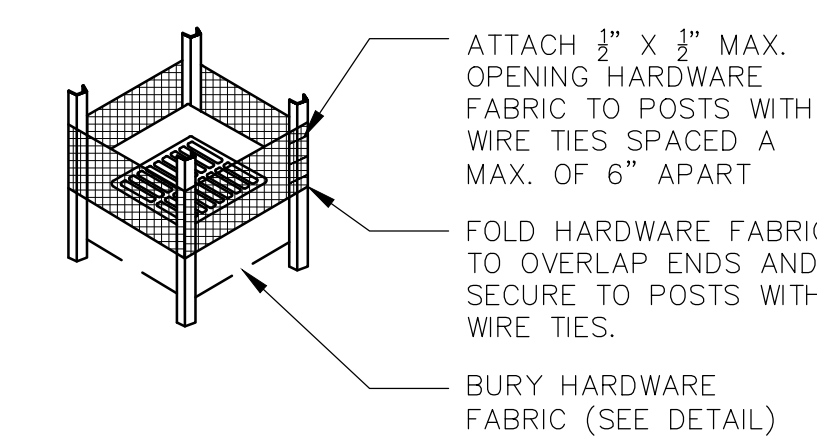
12" OF THE FABRIC SHALL BE BURIED REGARDLESS, IF PLACED PNEUMATICALLY OR BY AND WITH A TRENCHER. BOTH METHODS ARE SHOWN HERE.



PNEUMATIC METHOD

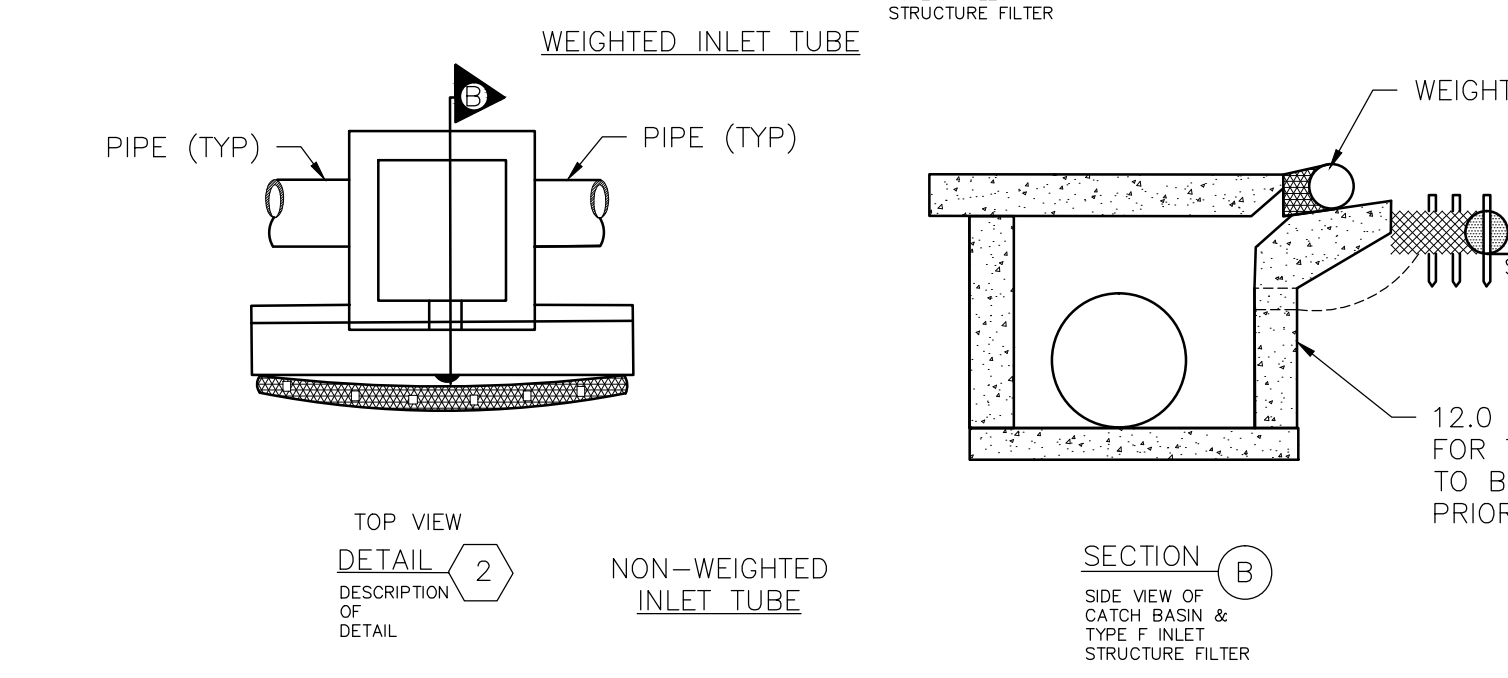
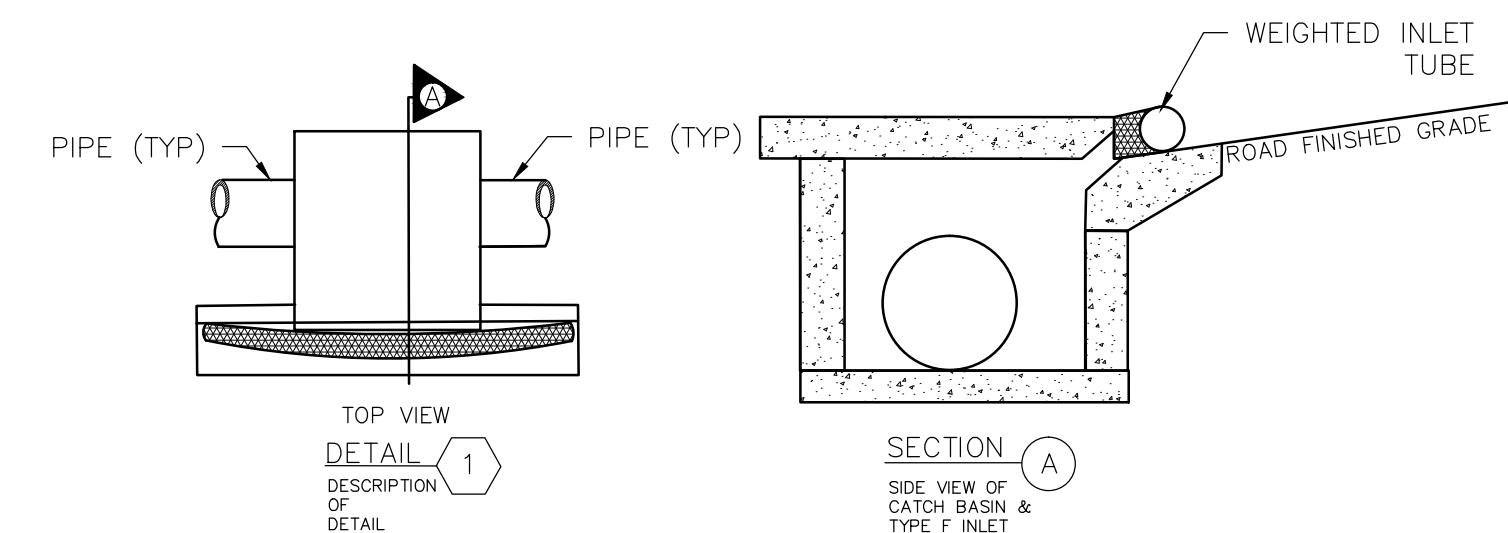


STONE AND HARDWARE FABRIC INSTALLATION DETAIL

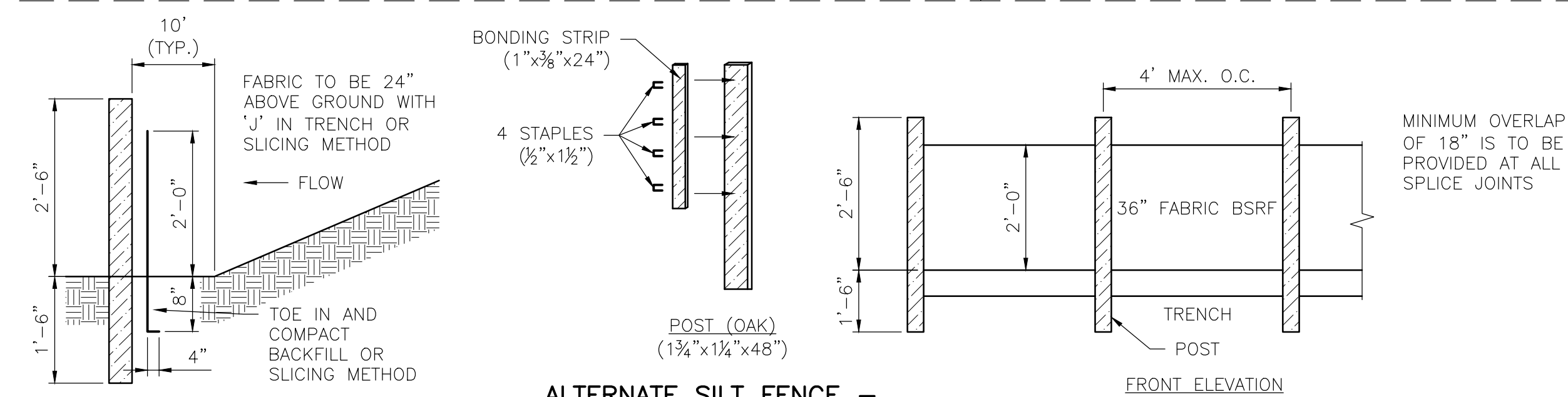


HARDWARE FABRIC AND STONE INLET PROTECTION

2 INLET STRUCTURE FILTER, TYPE B  
5.03 N.T.S.



3 INLET STRUCTURE FILTERS, TYPE F  
5.03 N.T.S.



ALTERNATE SILT FENCE - BELTED SILT RETENTION FENCE (BSRF)

1 SILT FENCE  
5.03 N.T.S.

REVISIONS		
NO.	DATE	DESCRIPTION

TOWN OF SUMMERVILLE  
200 SOUTH MAIN ST.  
SUMMERVILLE, SC 29483



952 HOUSTON NORTHCUTT BLVD., SUITE 100  
MT. PLEASANT, SC 29464  
P: (843)556-2624 | F: (843)556-4329 | www.jmt.com

CONSTRUCTION DETAILS

DRAWN BY: RSM	DATE: 8/11/17
DESIGNED BY: RSM	SCALE: 1"=30'
CHECKED BY: NMB	

WEST SECOND NORTH ST.  
NEIGHBORHOOD REVITALIZATION PROJECT

TOWN OF SUMMERVILLE DORCHESTER COUNTY

DRAWING NO.  
16-1371-001  
SHEET NO.  
C5.03