

FOREST PARK SUBDIVISION GRADING PLAN (LOTS 13-21 & 29-53)

LAWRENCE JOHNSON SR LANE
SPARTANBURG, SOUTH CAROLINA

SPARTANBURG COUNTY
JUNE 28, 2019

PREPARED FOR:
CITY OF SPARTANBURG
145 W. BROAD ST.
SPARTANBURG, SC 29306

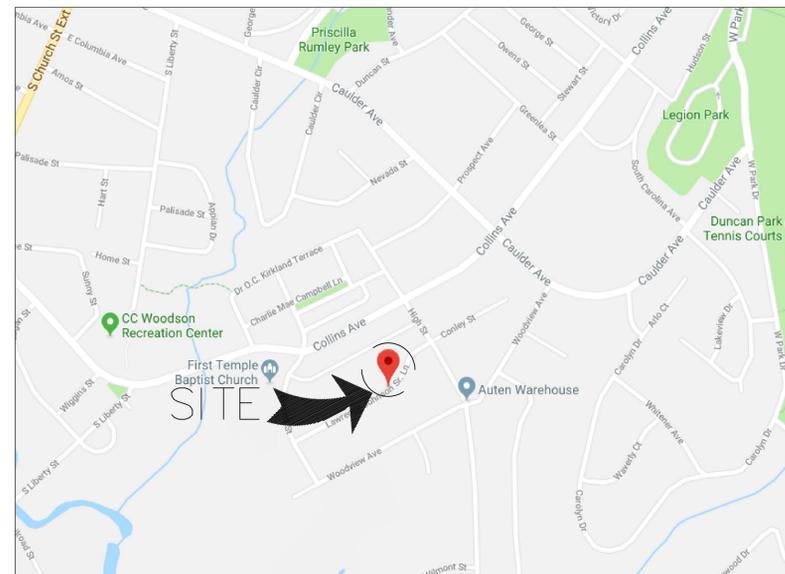
RY DESIGN SERVICES, LLC
P.O. BOX 7674
NORTH AUGUSTA, SC 29861
803-624-8118
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ENGINEERING PROVIDED BY:
MERIDETH K. POOL, P.E.
340 GREENWAY DR, EVANS, GA 30809

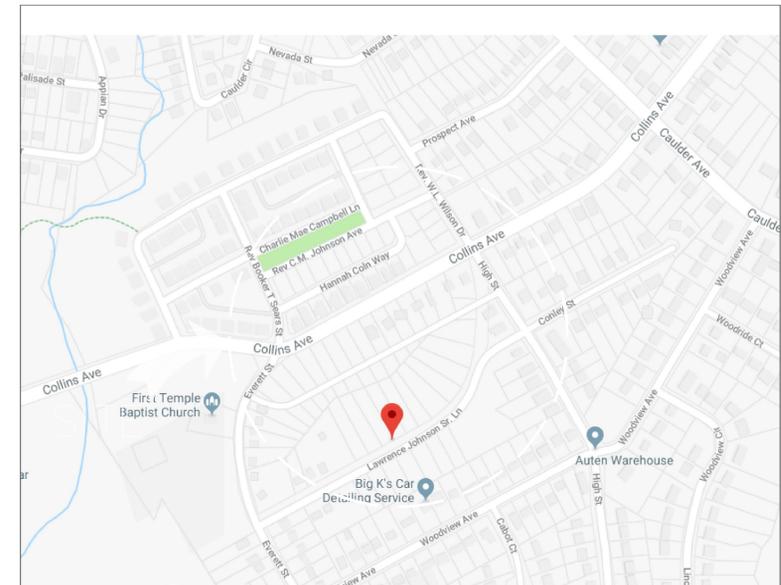
SURVEYING PROVIDED BY:
COLE LAND SURVEYING, LLC
888 POTTER RD, GAFFNEY, SC 29341

*PROJECT IS SUBJECT TO PHASING
SEE SHEET C-101 LAYOUT/SKETCH PLAN

DRAWING NO.	DRAWING TITLE
CS-100	COVER SHEET
C-100	EXISTING CONDITIONS LAYOUT
C-101	LAYOUT/SKETCH PLAN
C-102	GRADING PLAN
C-103	STORMWATER POLLUTION PREVENTION PLAN (SWPPP)
C-103.1	TYPICAL INDIVIDUAL LOT SWPPP
C-104	NOTES AND DETAILS
C-105	SWPPP DETAILS
C-106	SWPPP DETAILS CONTINUED



LOCATION PLAN
N.T.S.

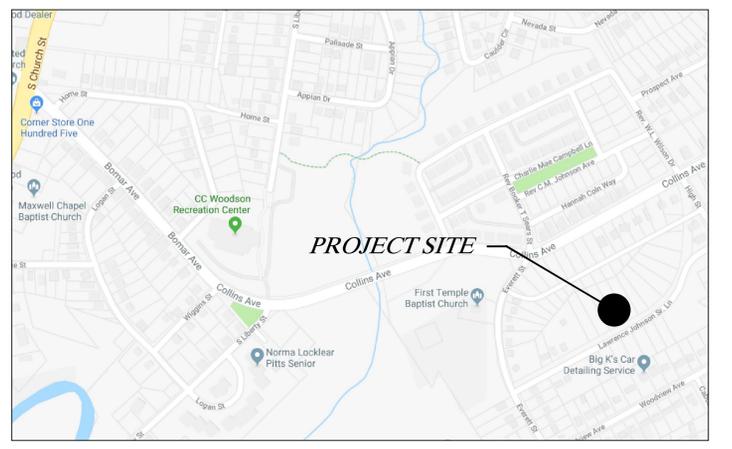


VICINITY MAP
N.T.S.

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CONSTRUCTION SET
ISSUED FOR CONSTRUCTION





VICINITY MAP



FOREST PARK SUBDV GRADING
 EXISTING LAND USE: UNDEVELOPED
 PROPOSED LAND USE: RESIDENTIAL DEVELOPMENT
 PROPOSED NAME: FOREST PARK SUBDIVISION
 ELECTRIC DISTRICT: DUKE ENERGY
 WATER DISTRICT: SPARTANBURG WATER
 SEWER DISTRICT: SPARTANBURG SEWER
 SOIL TYPE: CUEZ/LUC (COL-URBN & URBN UND-CED)
 FEMA FIRM PANEL # 45083C02660

PROJECT DATA
 TOTAL ACRES = 5.90 ACRES
 PHASE 1 DISTURBED ACRES = 2.55 ACRES
 TAX MAP / PARCEL # = 7-16-014 THRU 054
 CURRENT ZONING = (R-6)RESIDENTIAL

PROJECT CONTACT
 DEVELOPER
 THE CITY OF SPARTANBURG
 P.O. BOX 1749
 SPARTANBURG, SOUTH CAROLINA 29304
 PHONE: (864) 596-2071

DRAWING INDEX

SHEET No.	SHEET NAME
T-100	COVER SHEET
C-100	EXISTING SITE PLAN
C-101	LAYOUT/SKETCH PLAN
C-102	GRADING & DRAINAGE PLAN
C-103	SWPPP
C-103.1	TYPICAL INDIVIDUAL LOT SWPPP
C-104	NOTES AND DETAILS
C-105	SWPPP DETAILS
C-106	SWPPP DETAILS CONTINUED

CONSTRUCTION SET
 ISSUED FOR CONSTRUCTION



Know what's below.
 Call before you dig.

EXISTING CONDITIONS PLAN
 SCALE: 1"=50'



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EXISTING CONDITIONS PLAN
 THE CITY OF SPARTANBURG
 FOREST PARK SUBDIVISION GRADING DESIGN
 SPARTANBURG, SOUTH CAROLINA

RY DESIGN SERVICES, L.L.C.
 P.O. BOX 7674, NORTH AUGUSTA, SOUTH CAROLINA 29861
 PHONE NO. (803) 624-8118 WEB: WWW.RYDS-LLC.COM

DATE	DESCRIPTION	BY	APPROVED	CHECKED	DATE	DWG. NO.	SHEET
06/19/2019	ISSUED FOR OWNER REVIEW	RLY	DRAWN	RLY	CHECKED		
	REVISIONS		APPROVED	RLY	CHECKED	01/03/2019	

PROJECT NO. 018R57 SCALE AS NOTED



- GENERAL NOTES**
- CONTRACTOR SHALL MAKE THEMSELVES AWARE OF CONSTRUCTION SITE PRIOR TO BEGINNING ANY CONSTRUCTION ACTIVITY.
 - ANY DAMAGE MADE TO THE EXISTING CURB AND GUTTER OR UTILITIES DUE TO CONSTRUCTION ACTIVITIES SHALL BE REPLACED WITH LIKE OR BETTER MATERIAL, AT THE CONTRACTOR'S EXPENSE.
 - THERE SHALL BE A (5) FIVE FOOT DRAINAGE EASEMENT ON BOTH SIDES OF ALL PROPERTY LINES.
 - THERE IS AN EXISTING 25 FOOT UTILITY EASEMENT ALONG THE EXISTING SEWER LINE IN THE ROADBED OF LAWRENCE JOHNSON SR. LANE.
 - REMAINING CUT SOIL SHALL BECOME THE PROPERTY OF THE CITY OF SPARTANBURG. THE CITY OF SPARTANBURG SHALL OBTAIN SOIL PROTECTORS ON SITE FOR GEOTECHNICAL PROPERTIES OF EXISTING SOIL.
 - FINISHED FLOOR ELEVATIONS (FFE) ASSUME A 6" BUILDING PAD.
 - PRIVATE DRAINAGE EASEMENTS AND DRAINAGE SWALES BETWEEN LOT ARE NOT MAINTAINED BY THE CITY OF SPARTANBURG AND SHALL BE MAINTAINED BY EACH INDIVIDUAL LOT OWNER.
 - SEE SHEET C-103.1 FOR TYPICAL INDIVIDUAL LOT GRADING AND SWPPP.

GRADING AND DRAINAGE PLAN
SCALE: 1"=40'

CONSTRUCTION SET
ISSUED FOR CONSTRUCTION



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GRADING AND DRAINAGE PLAN			
THE CITY OF SPARTANBURG FOREST PARK SUBDIVISION GRADING DESIGN SPARTANBURG, SOUTH CAROLINA			
RY DESIGN SERVICES, L.L.C.			
P.O. BOX 7674, NORTH AUGUSTA, SOUTH CAROLINA 29861			
PHONE NO. (803) 624-8118		WEB. WWW.RYDS-LLC.COM	
DESIGNED	RLY	CHECKED	DWG. NO. C-102
DRAWN	RLY	CHECKED	SHEET
DATE	DESCRIPTION	BY	APPROVED DATE 01/03/2019
REVISIONS		PROJECT NO. 018R57	SCALE AS NOTED



CALLED NORTH



FOREST PARK SUBDV GRADING
 EXISTING LAND USE: UNDEVELOPED
 PROPOSED LAND USE: RESIDENTIAL DEVELOPMENT
 PROPOSED NAME: FOREST PARK SUBDIVISION
 ELECTRIC DISTRICT: DUKE ENERGY
 WATER DISTRICT: SPARTANBURG WATER
 SEWER DISTRICT: SPARTANBURG SEWER
 SOIL TYPE: CUE2/LUC (EXL-URBN & URBN UND-CED)
 FEMA FIRM PANEL # 45083C0260D

PROJECT DATA
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 PHASE 1 DISTURBED ACRES = 2.55 ACRES
 TAX MAP / PARCEL # = 7-16-014 THRU 054
 CURRENT ZONING = (R-6)RESIDENTIAL

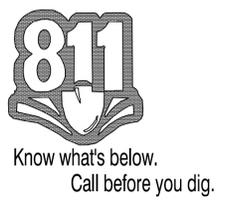
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STORMWATER POLLUTION PREVENTION PLAN (SWPPP)
 SCALE: 1"=40'

CONSTRUCTION SET
 ISSUED FOR CONSTRUCTION



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RYDS

STORMWATER POLLUTION PREVENTION PLAN (SWPPP)

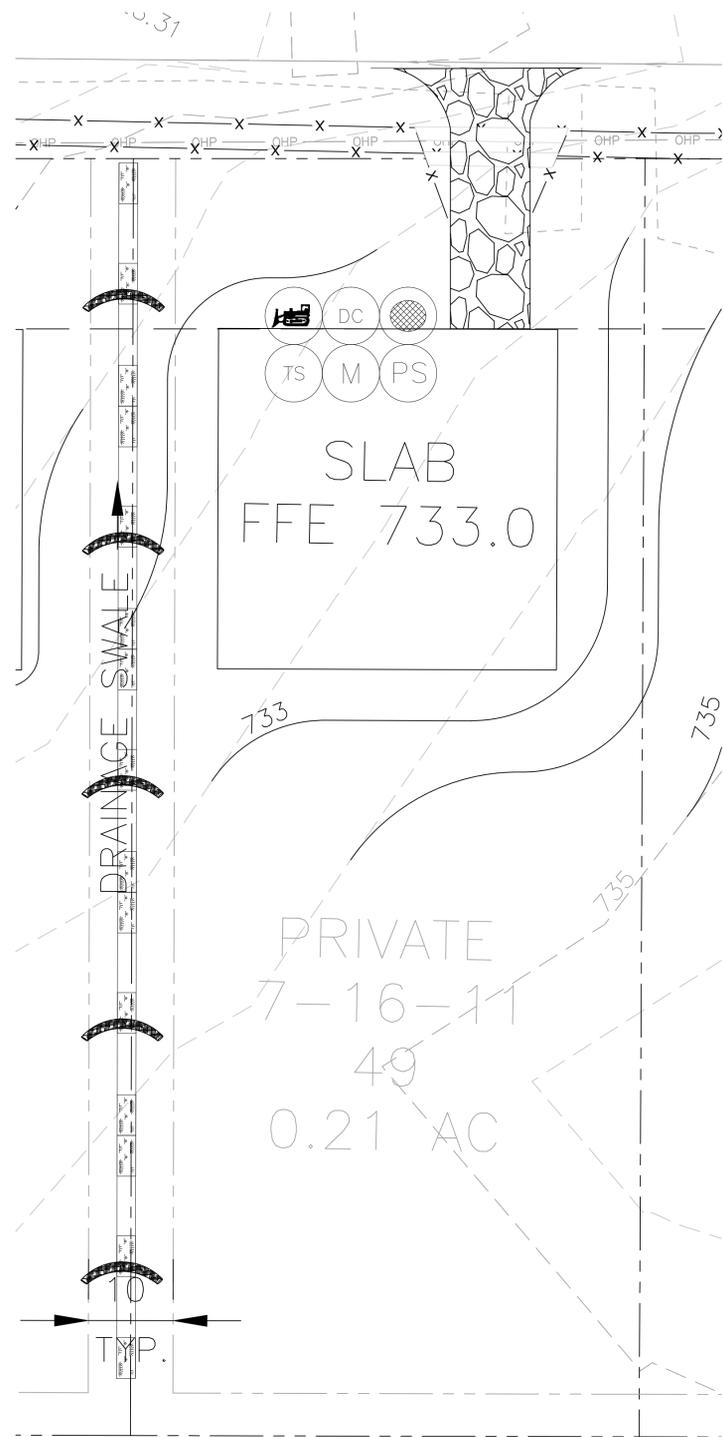
THE CITY OF SPARTANBURG
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 SPARTANBURG, SOUTH CAROLINA

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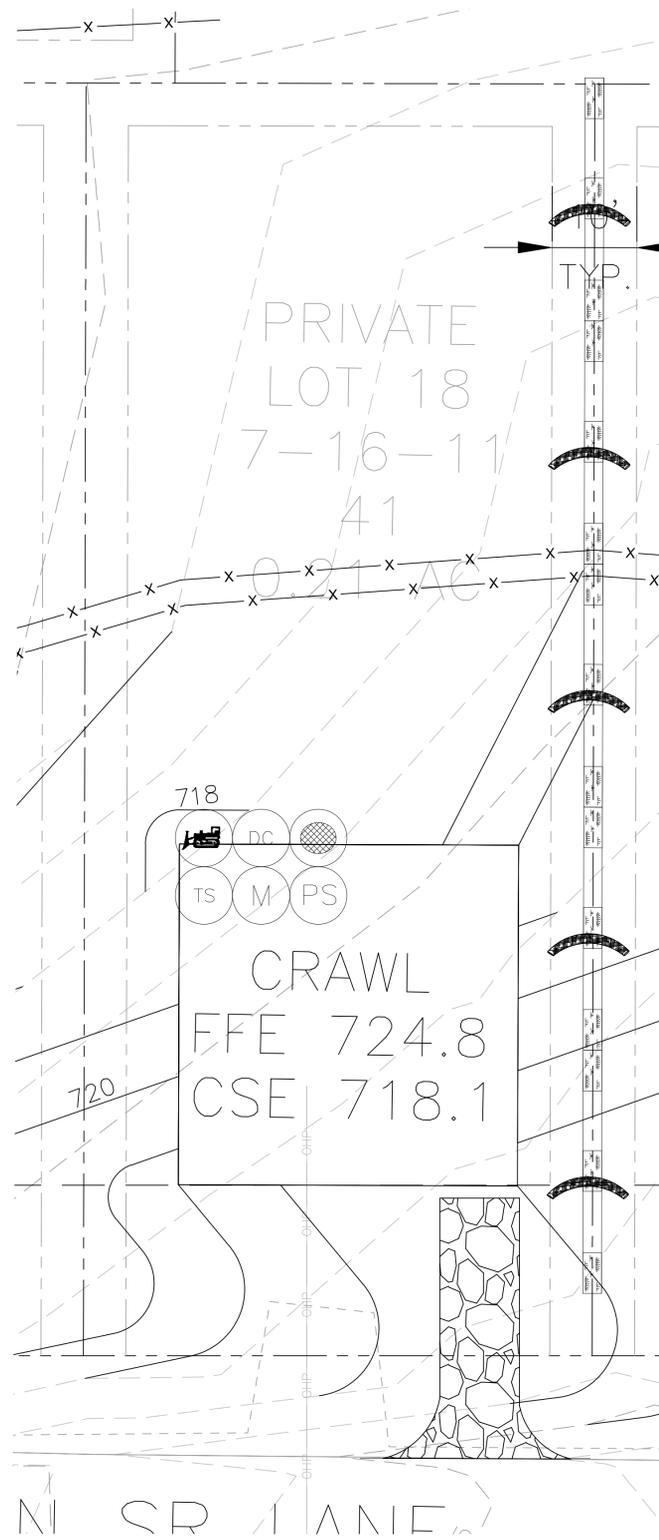
DESIGNED	RLY	CHECKED		DWG. NO. C-103
DRAWN	RLY	CHECKED		SHEET
APPROVED		DATE	01/03/2019	5 OF 9
REVISIONS		PROJECT NO.	018R57	

SCALE AS NOTED

BDP2436



TYPICAL INDIVIDUAL LOT SWPPP (SLAB)
SCALE: 1"=10'



TYPICAL INDIVIDUAL LOT SWPPP (CRAWL SPACE)
SCALE: 1"=10'

GENERAL NOTES

1. CONTRACTOR SHALL MAKE THEMSELVES AWARE OF CONSTRUCTION SITE PRIOR TO BEGINNING ANY CONSTRUCTION ACTIVITY.
2. ANY DAMAGE MADE TO THE EXISTING CURB AND GUTTER OR UTILITIES DUE TO CONSTRUCTION ACTIVITIES SHALL BE REPLACED WITH LIKE OR BETTER MATERIAL, AT THE CONTRACTOR'S EXPENSE.
3. THERE SHALL BE A (5) FIVE FOOT DRAINAGE EASEMENT ON BOTH SIDES OF ALL PROPERTY LINES.
4. ANY REMAINING CUT SOIL SHALL BECOME THE PROPERTY OF THE CITY OF SPARTANBURG. THE CITY OF SPARTANBURG SHALL OBTAIN SOIL PROCTORS ON SITE FOR GEOTECHNICAL PROPERTIES OF EXISTING SOIL WHEN NECESSARY.
5. FOR ALL FINISHED FLOOR ELEVATIONS (FFE) ON SLABS, ASSUME A 6" BUILDING PAD.
6. ALL BMP'S INSTALLED ON SITE SHALL BE MAINTAINED BY CONTRACTOR DURING CONSTRUCTION ACTIVITIES AND UNTIL AN NOT HAS BEEN ESTABLISHED FOR THE LOT.
7. POSITIVE DRAINAGE AWAY FROM STRUCTURES ON LOTS SHALL BE ESTABLISHED PER IBC 2017 WITH CITY OF SPARTANBURG AMENDMENTS.

CONSTRUCTION SET
ISSUED FOR CONSTRUCTION



TYPICAL INDIVIDUAL LOT SWPPP
THE CITY OF SPARTANBURG
FOREST PARK SUBDIVISION GRADING DESIGN
SPARTANBURG, SOUTH CAROLINA

RY DESIGN SERVICES, L.L.C.

P.O. BOX 7674, NORTH AUGUSTA, SOUTH CAROLINA 29861

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DESIGNED RLY CHECKED DWG. NO. C-103.1

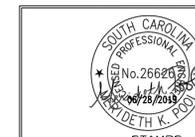
DRAWN RLY CHECKED SHEET

APPROVED DATE 01/03/2019

PROJECT NO. 018R57 SCALE AS NOTED



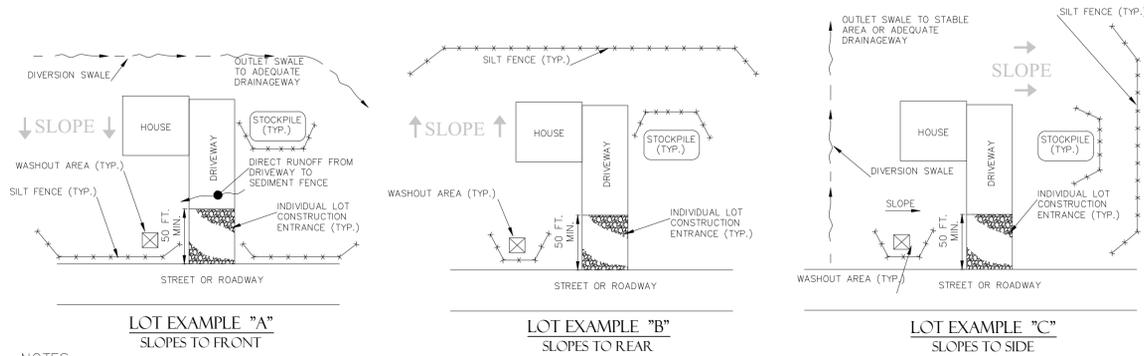
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DATE	DESCRIPTION	BY	APPROVED	DATE
06/19/2019	ISSUED FOR OWNER REVIEW	RLY		
	REVISIONS			

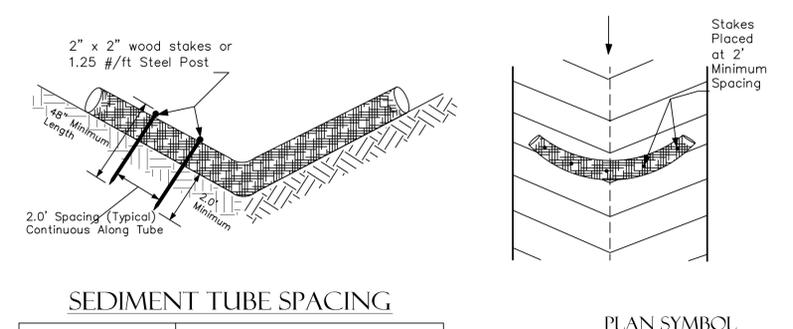
INDIVIDUAL RESIDENTIAL LOT CONTROLS



- NOTES**
1. THE KEY TO FUNCTIONAL INDIVIDUAL LOT BMPS IS WEEKLY INSPECTIONS, ROUTINE MAINTENANCE, AND REGULAR SEDIMENT REMOVAL.
 2. NO MORE THAN ¼ ACRE TO DRAIN TO 100 L.F. OF SILT FENCE.
 3. SEE INDIVIDUAL LOT CONSTRUCTION ENTRANCE, SILT FENCE, CONCRETE WASHOUT & STOCKPILE DETAILS FOR ADDITIONAL INFORMATION.
 4. ADDITIONAL BMPs, SUCH AS INLET PROTECTION, ROCK CHECKS, SEDIMENT TUBES & SILT FENCE ROCK OUTLETS, MAY BE NECESSARY ON A LOT-TO-LOT BASIS. ADDITIONAL BMPs SHOULD BE IMPLEMENTED AS NOTED ON PLANS OR DIRECTED UPON SITE INSPECTIONS.
 5. CONCRETE WASHOUTS MAY NOT NEED TO BE PROVIDED ON EACH INDIVIDUAL LOT WHEN A WASHOUT AREA HAS BEEN DESIGNATED AND IMPLEMENTED WITHIN THE DEVELOPMENT FOR COMMON USE.
 6. PROPER WASTE DISPOSAL TECHNIQUES MUST BE IMPLEMENTED ON EACH LOT TO PREVENT STORMWATER RUNOFF CONTACT WITH EXPECTED WASTE MATERIALS (SUCH AS EXCESS BUILDING MATERIALS, TRASH, AND OTHER POTENTIAL POLLUTANTS).

South Carolina Department of Health and Environmental Control
INDIVIDUAL LOTS RESIDENTIAL BMPs CONTROLS
 STANDARD DRAWING NO. RC-09 Page 1 of 1
 FEBRUARY 2014 DATE
 NOT TO SCALE

SEDIMENT TUBE INSTALLATION



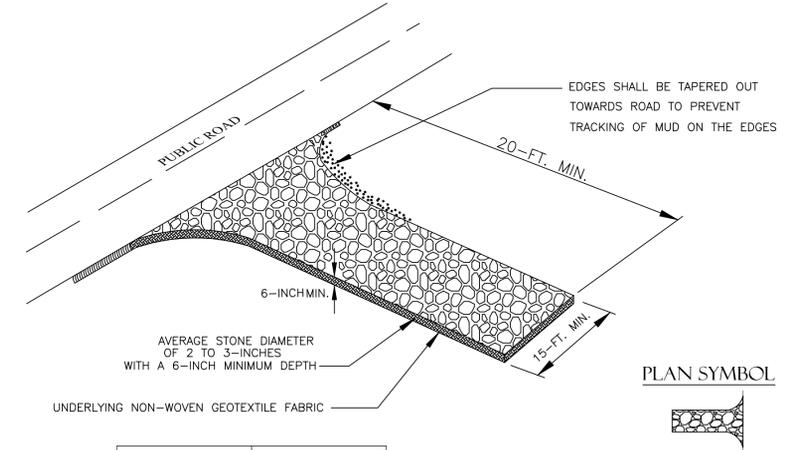
SEDIMENT TUBE SPACING

SLOPE	MAX. SEDIMENT TUBE SPACING
LESS THAN 2%	150- FEET
2%	100- FEET
3%	75- FEET
4%	50- FEET
5%	40- FEET
6%	30- FEET
GREATER THAN 6%	25- FEET

SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL
SEDIMENT TUBES
 STANDARD DRAWING NO. SC-05 PAGE 1 of 2
 FEBRUARY 2014 DATE
 NOT TO SCALE

- SEDIMENT TUBES – GENERAL NOTES**
1. Sediment tubes may be installed along contours, in drainage conveyance channels, and around inlets to help prevent off-site discharge of sediment-laden stormwater runoff.
 2. Sediment tubes are elongated tubes of compacted geotextiles, curled excelsior wood, natural coconut fiber, or hardwood mulch. Straw, pine needle, and leaf mulch-filled sediment tubes are not permitted.
 3. The outer netting of the sediment tube should consist of seamless, high-density polyethylene photodegradable materials treated with ultraviolet stabilizers or a seamless, high-density polyethylene non-degradable material.
 4. Sediment tubes, when used as checks within channels, should range between 18-inches and 24-inches depending on channel dimensions. Diameters outside this range may be allowed where necessary when approved.
 5. Curled excelsior wood, or natural coconut products that are rolled up to create a sediment tube are not allowed.
 6. Sediment tubes should be staked using wooden stakes (2-inch X 2-inch) or steel posts (standard "U" or "T" sections with a minimum weight of 1.25 pounds per foot) at a minimum of 48-inches in length placed on 2-foot centers.
 7. Install all sediment tubes to ensure that no gaps exist between the soil and the bottom of the tube. Manufacturer's recommendations should always be consulted before installation.
 8. The ends of adjacent sediment tubes should be overlapped 6-inches to prevent flow and sediment from passing through the field joint.
 9. Sediment tubes should not be stacked on top of one another, unless recommended by manufacturer.
 10. Each sediment tube should be installed in a trench with a depth equal to 1/5 the diameter of the sediment tube.
 11. Sediment tubes should continue up the side slopes a minimum of 1-foot above the design flow depth of the channel.
 12. Install stakes at a diagonal facing incoming runoff.
- SEDIMENT TUBES – INSPECTION & MAINTENANCE**
1. The key to functional sediment tubes is weekly inspections, routine maintenance, and regular sediment removal.
 2. Regular inspections of sediment tubes shall be conducted once every calendar week and, as recommended, within 24-hours after each rainfall even that produces 1/2-inch or more of precipitation.
 3. Attention to sediment accumulations in front of the sediment tube is extremely important. Accumulated sediment should be continually monitored and removed when necessary.
 4. Remove accumulated sediment when it reaches 1/3 the height of the sediment tube.
 5. Removed sediment shall be placed in stockpile storage areas or spread thinly across disturbed area. Stabilize the removed sediment after it is relocated.
 6. Large debris, trash, and leaves should be removed from in front of tubes when found.
 7. If erosion causes the edges to fall to a height equal to or below the height of the sediment tube, repairs should be made immediately to prevent runoff from bypassing tube.
 8. Sediment tubes should be removed after the contributing drainage area has been completely stabilized. Permanent vegetation should replace areas from which sediment tubes have been removed.

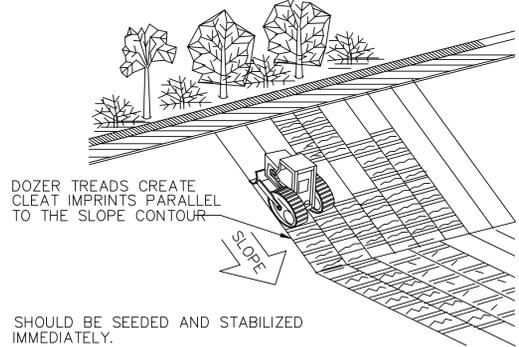
SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL
SEDIMENT TUBES
 STANDARD DRAWING NO. SC-05 PAGE 2 of 2
 FEBRUARY 2014 DATE
 GENERAL NOTES



SPECIFICATION	SIZE
ROCK PAD THICKNESS	6 INCHES
ROCK PAD WIDTH	15 FEET
ROCK PAD LENGTH	20 FEET
ROCK PAD STONE SIZE	D50 = 2-3 INCHES

SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL
RESIDENTIAL LOT CONSTRUCTION ENTRANCE
 STANDARD DRAWING NO. SC-06A PAGE 1 of 2
 FEBRUARY 2014 DATE
 NOT TO SCALE

- CONSTRUCTION ENTRANCE – GENERAL NOTES**
1. Stabilized construction entrances should be used at all points where traffic will egress/ingress a construction site onto a public road or any impervious surfaces, such as parking lots.
 2. Install a non-woven geotextile fabric prior to placing any stone.
 3. Install a culvert pipe across the entrance when needed to provide positive drainage.
 4. The entrance shall consist of 2-inch to 3-inch D50 stone placed at a minimum depth of 6-inches.
 5. Minimum dimensions of the entrance shall be 15-foot wide by 20-foot long, and may be modified as necessary to accommodate site constraints.
 6. The edges of the entrance shall be tapered out towards the road to prevent tracking at the edge of the entrance.
 7. Divert all surface runoff and drainage from the stone pad to a sediment trap or basin or other sediment trapping structure.
 8. Limestone may not be used for the stone pad.
- CONSTR. ENTRANCE – INSPECTION & MAINTENANCE**
1. The key to functional construction entrances is weekly inspections, routine maintenance, and regular sediment removal.
 2. Regular inspections of construction entrances shall be conducted once every calendar week and, as recommended, within 24-hours after each rainfall even that produces 1/2-inch or more of precipitation.
 3. During regular inspections, check for mud and sediment buildup and pad integrity. Inspection frequencies may need to be more frequent during long periods of wet weather.
 4. Reshape the stone pad as necessary for drainage and runoff control.
 5. Wash or replace stones as needed and as directed by site inspector. The stone in the entrance should be washed or replaced whenever the entrance fails to reduce the amount of mud being carried off-site by vehicles. Frequent washing will extend the useful life of stone pad.
 6. Immediately remove mud and sediment tracked or washed onto adjacent impervious surfaces by brushing or sweeping. Flushing should only be used when the water can be discharged to a sediment trap or basin.
 7. During maintenance activities, any broken pavement should be repaired immediately.
 8. Construction entrances should be removed after the site has reached final stabilization. Permanent vegetation should replace areas from which construction entrances have been removed, unless area will be converted to an impervious surface to serve post-construction.



SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL
TRACKING
 STANDARD DRAWING NO. EC-01 Page 1
 APPROVED BY: _____ SERVED: _____ DATE: FEBRUARY 2014

SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL
MAPPING SYMBOLS FOR EROSION AND SEDIMENT CONTROL PLANS
 EFFECTIVE DATE: AUGUST, 2005

DESCRIPTION	SYMBOL
EROSION PREVENTION	
LAND GRADING:	LG OR
SURFACE ROUGHENING:	
TOPSOILING:	
TEMPORARY SEEDING:	TS
MULCHING:	M
DUST CONTROL:	DC

SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL
MAPPING SYMBOLS FOR EROSION AND SEDIMENT CONTROL PLANS
 EFFECTIVE DATE: AUGUST, 2005

DESCRIPTION	SYMBOL
EROSION PREVENTION	
PERMANENT SEEDING:	PS
SODDING:	SO
RIPRAP:	
SEDIMENT CONTROL	
SEDIMENT TUBE:	
SILT FENCE:	X-X-X
REINFORCED SILT FENCE:	■-■-■
RUNOFF CONVEYANCE MEASURES:	
VEGETATED CHANNELS:	
RIPRAP-LINED CHANNELS:	

CONSTRUCTION SET ISSUED FOR CONSTRUCTION



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DATE	DESCRIPTION	BY	APPROVED	DATE
06/19/2019	ISSUED FOR OWNER REVIEW	RLY	RLY	01/03/2019
	REVISIONS			

SWPPP DETAILS

THE CITY OF SPARTANBURG
 FOREST PARK SUBDIVISION GRADING DESIGN
 SPARTANBURG, SOUTH CAROLINA

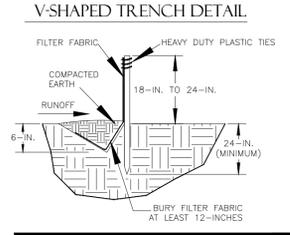
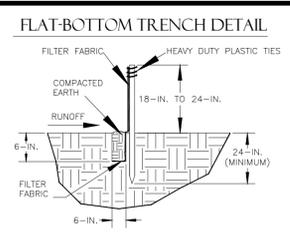
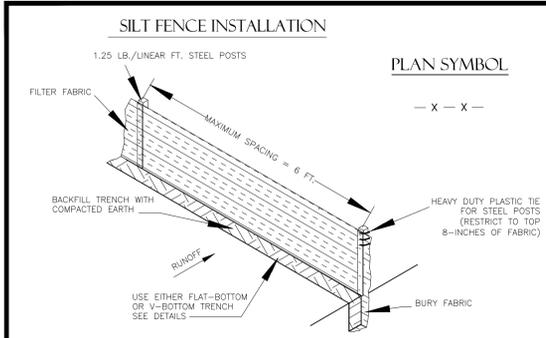
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DESIGNED	RLY	CHECKED	DWG. NO. C-105
DRAWN	RLY	CHECKED	SHEET
APPROVED		DATE	01/03/2019
PROJECT NO.	018R57	SCALE	AS NOTED

8 OF 9

BDP2436

SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL
RESIDENTIAL LOT CONSTRUCTION ENTRANCE
 STANDARD DRAWING NO. SC-06A PAGE 2 of 2
 FEBRUARY 2014 DATE
 GENERAL NOTES

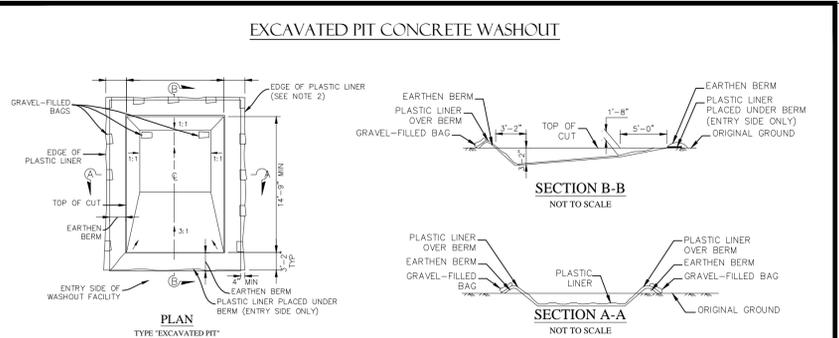


- SILT FENCE - GENERAL NOTES**
- Do not place silt fence across channels or in other areas subject to concentrated flows. Silt fence should not be used as a velocity control BMP. Concentrated flows are any flows greater than 0.5 cfs.
 - Maximum sheet or overland flow path length to the silt fence shall be 100-feet.
 - Maximum slope steepness (normal [perpendicular] to the fence line) shall be 2:1.
 - Silt fence joints, when necessary, shall be completed by one of the following options:
 - Wrap each fabric together at a support post with both ends fastened to the post, with a 1-foot minimum overlap.
 - Overlap silt fence by installing 3-feet passed the support post to which the new silt fence roll is attached. Attach old roll to new roll with heavy-duty plastic ties; or,
 - Overlap entire width of each silt fence roll from one support post to the next support post.
 - Attach filter fabric to the steel posts using heavy-duty plastic ties that are evenly spaced within the top 8-inches of the fabric.
 - Install the silt fence perpendicular to the direction of the stormwater flow and place the silt fence the proper distance from the toe of steep slopes to provide sediment storage and access for maintenance and cleanup.
 - Install Silt Fence Checks (Tie-Backs) every 50-100 feet, dependent on slope, along silt fence that is installed with slope and where concentrated flows are expected or are documented along the proposed/installed silt fence.

SOUTH CAROLINA DEPARTMENT OF
HEALTH AND ENVIRONMENTAL CONTROL

SILT FENCE

STANDARD DRAWING NO. SC-03 Page 1 of 2
FEBRUARY 2014 DATE
NOT TO SCALE



- LETTERS A MINIMUM OF 5" IN HEIGHT**
- CONCRETE WASHOUT SIGN DETAIL
- CONCRETE WASHOUT SIGN DETAIL**
- NOTES:**
- ACTUAL LAYOUT DETERMINED IN FIELD.
 - INSTALL CONCRETE WASHOUT SIGN (24"x24", MINIMUM) WITHIN 30' OF THE TEMPORARY CONCRETE WASHOUT FACILITY.
 - TEMPORARY WASHOUT AREA MUST BE AT LEAST 50' FROM A STORM DRAIN, CREEK BANK OR PERIMETER CONTROL.
 - CLEAN OUT CONCRETE WASHOUT AREA WHEN 50% FULL.
 - THE KEY TO FUNCTIONAL CONCRETE WASHOUTS IS WEEKLY INSPECTIONS, ROUTINE MAINTENANCE, AND REGULAR CLEAN OUT.
 - SILT FENCE SHALL BE INSTALLED AROUND PERIMETER OF CONCRETE WASHOUT AREA EXCEPT FOR THE SIDE UTILIZED FOR ACCESSING THE WASHOUT.
 - A ROCK CONSTRUCTION ENTRANCE MAY BE NECESSARY ALONG ONE SIDE OF THE WASHOUT TO PROVIDE VEHICLE ACCESS.

SOUTH CAROLINA DEPARTMENT OF
HEALTH AND ENVIRONMENTAL CONTROL

**CONCRETE WASHOUT
EXCAVATED PIT**

STANDARD DRAWING NO. RC-08 PAGE 1 of 1
FEBRUARY 2014 DATE
NOT TO SCALE

- SILT FENCE - POST REQUIREMENTS**
- Silt Fence posts must be 48-inch long steel posts that meet, at a minimum, the following physical characteristics:
 - Composed of a high strength steel with a minimum yield strength of 50,000 psi.
 - Include a standard "T" section with a nominal face width of 1.38-inches and a nominal "T" length of 1.48-inches.
 - Weight 1.25 pounds per foot (± 8%)
 - Posts shall be equipped with projections to aid in fastening of filter fabric.
 - Steel posts may need to have a metal soil stabilization plate welded near the bottom when installed along steep slopes or installed in loose soils. The plate should have a minimum cross section of 17-square inches and be composed of 1/2 gauge steel, at a minimum. The metal soil stabilization plate should be completely buried.
 - Install posts to a minimum of 24-inches. A minimum height of 1- to 2-inches above the fabric shall be maintained, and a maximum height of 3 feet shall be maintained above the ground.
 - Post spacing shall be at a maximum of 6-feet on center.

- SILT FENCE - INSPECTION & MAINTENANCE**
- The key to functional silt fence is weekly inspections, routine maintenance, and regular sediment removal.
 - Regular inspections of silt fence shall be conducted once every calendar week and, as recommended, within 24-hours after each rainfall event that produces 1/2-inch or more of precipitation.
 - Attention to sediment accumulations along the silt fence is extremely important. Accumulated sediment should be continually monitored and removed when necessary.
 - Remove accumulated sediment when it reaches 1/3 the height of the silt fence.
 - Removed sediment shall be placed in stockpile storage areas or spread thinly across disturbed area. Stabilize the removed sediment after it is relocated.
 - Check for areas where stormwater runoff has eroded a channel beneath the silt fence, or where the fence has sagged or collapsed due to runoff overtopping the silt fence. Install checks/tie-backs and/or reinstall silt fence, as necessary.
 - Check for tears within the silt fence, areas where silt fence has begun to decompose, and for any other circumstance that may render the silt fence ineffective. Removed damaged silt fence and reinstall new silt fence immediately.
 - Silt fence should be removed within 30 days after final stabilization is achieved and once it is removed, the resulting disturbed area shall be permanently stabilized.

SOUTH CAROLINA DEPARTMENT OF
HEALTH AND ENVIRONMENTAL CONTROL

SILT FENCE

STANDARD DRAWING NO. SC-03 PAGE 2 of 2
FEBRUARY 2014 DATE
GENERAL NOTES

- TYPE A - FILTER FABRIC REQUIREMENTS**
- Silt fence must be composed of woven geotextile filter fabric that consists of the following requirements:
 - Composed of fibers consisting of long chain synthetic polymers of at least 85% by weight of polyolefins, polyesters, or polyamides that are formed into a network such that the filaments or yarns retain dimensional stability relative to each other.
 - Free of any treatment or coating which might adversely alter its physical properties after installation.
 - Free of any defects or flaws that significantly affect its physical and/or filtering properties; and,
 - Have a minimum width of 36-inches.
 - Use only fabric appearing on SC DOT's Qualified Products Listing (QPL), Approval Sheet #34, meeting the requirements of the most current edition of the SC DOT Standard Specifications for Highway Construction.
 - 12-inches of the fabric should be placed within excavated trench and toed in when the trench is backfilled.
 - Filter Fabric shall be purchased in continuous rolls and cut to the length of the barrier to avoid joints.
 - Filter Fabric shall be installed at a minimum of 24-inches above the ground.

- TYPE A - INSPECTION & MAINTENANCE**
- The key to functional inlet protection is weekly inspections, routine maintenance, and regular sediment removal.
 - Regular inspections of inlet protection shall be conducted once every calendar week and, as recommended, within 24-hours after each rainfall event that produces 1/2-inch or more of precipitation.
 - Attention to sediment accumulations along the filter fabric is extremely important. Accumulated sediment should be continually monitored and removed when necessary.
 - Remove accumulated sediment when it reaches 1/3 the height of the filter fabric. When a sump is installed in front of the fabric, sediment should be removed when it fills approximately 1/3 the depth of the sump.
 - Removed sediment shall be placed in stockpile storage areas or spread thinly across disturbed area. Stabilize the removed sediment after it is relocated.
 - Check for areas where stormwater runoff has eroded a channel beneath the filter fabric, or where the fabric has sagged or collapsed due to runoff overtopping the inlet protection.
 - Check for tears within the filter fabric, areas where fabric has begun to decompose, and for any other circumstance that may render the inlet protection ineffective. Removed damaged fabric and reinstall new filter fabric immediately.
 - Inlet protection structures should be removed after all 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 drop inlet structure crest. Stabilize all bare areas immediately.

- TYPE A - POST REQUIREMENTS**
- Silt Fence posts must be 48-inch long steel posts that meet, at a minimum, the following physical characteristics:
 - Composed of a high strength steel with a minimum yield strength of 50,000 psi.
 - Include a standard "T" section with a nominal face width of 1.38-inches and a nominal "T" length of 1.48-inches.
 - Weight 1.25 pounds per foot (± 8%)
 - Posts shall be equipped with projections to aid in fastening of filter fabric.
 - Install posts to a minimum of 24-inches. A minimum height of 1- to 2-inches above the fabric shall be maintained, and a maximum height of 3 feet shall be maintained above the ground.
 - Post spacing shall be at a maximum of 3-feet on center.

SOUTH CAROLINA DEPARTMENT OF
HEALTH AND ENVIRONMENTAL CONTROL

**TYPE A
FILTER FABRIC INLET PROTECTION**

STANDARD DRAWING NO. SC-07 PAGE 2 of 2
FEBRUARY 2014 DATE
GENERAL NOTES

- SILT FENCE - FABRIC REQUIREMENTS**
- Silt fence must be composed of woven geotextile filter fabric that consists of the following requirements:
 - Composed of fibers consisting of long chain synthetic polymers of at least 85% by weight of polyolefins, polyesters, or polyamides that are formed into a network such that the filaments or yarns retain dimensional stability relative to each other.
 - Free of any treatment or coating which might adversely alter its physical properties after installation.
 - Free of any defects or flaws that significantly affect its physical and/or filtering properties; and,
 - Have a minimum width of 36-inches.
 - Use only fabric appearing on SC DOT's Qualified Products Listing (QPL), Approval Sheet #34, meeting the requirements of the most current edition of the SC DOT Standard Specifications for Highway Construction.
 - 12-inches of the fabric should be placed within excavated trench and toed in when the trench is backfilled.
 - Filter Fabric shall be purchased in continuous rolls and cut to the length of the barrier to avoid joints.
 - Filter Fabric shall be installed at a minimum of 24-inches above the ground.

BDP2436

**CONSTRUCTION SET
ISSUED FOR CONSTRUCTION**

RYDS

SWPPP DETAILS CONTINUED

THE CITY OF SPARTANBURG
FOREST PARK SUBDIVISION GRADING DESIGN
SPARTANBURG, SOUTH CAROLINA

RY DESIGN SERVICES, L.L.C.
P.O. BOX 7674, NORTH AUGUSTA, SOUTH CAROLINA 29861
PHONE NO. (803) 624-8118 WEB. WWW.RYDS-LLC.COM

DESIGNED	RLY	CHECKED		DWG. NO. C-105
DRAWN	RLY	CHECKED		SHEET
DATE	ISSUED FOR OWNER REVIEW	BY	APPROVED	DATE 01/03/2019
REVISIONS		PROJECT NO. 018R57	SCALE AS NOTED	

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OF
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