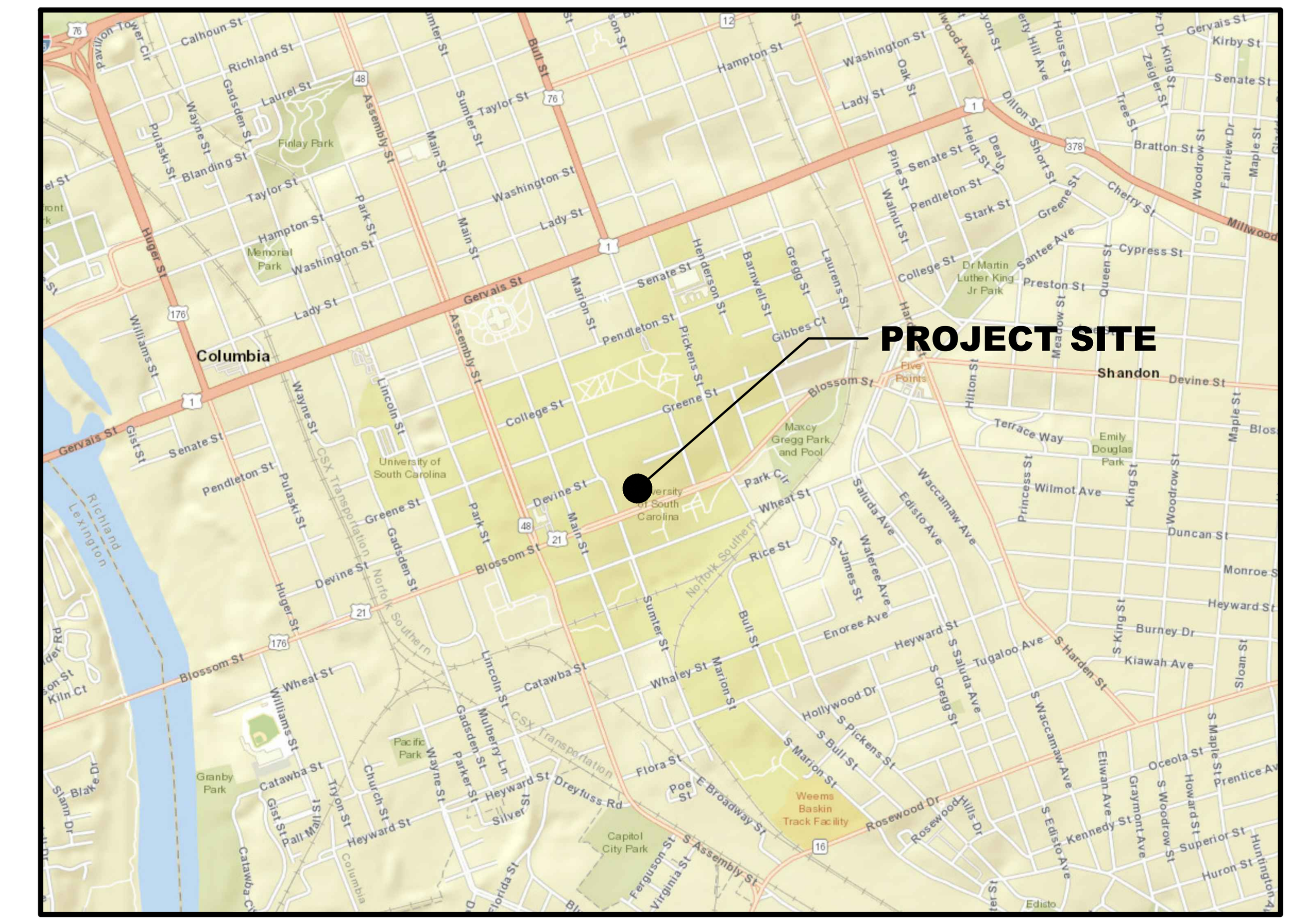
MCBRYDE FIRE LANE
SITE IMPROVEMENTS

FOR

UNIVERSITY OF SOUTH CAROLINA
COLUMBIA, SOUTH CAROLINA



LOCATION MAP
SCALE: 1" = 2,000 FT

UNIVERSITY OF South Carolina

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WK DICKSON
community infrastructure consultants

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NOTICE TO CONTRACTOR

1. PRIOR TO CONSTRUCTION, DIGGING, OR EXCAVATION THE CONTRACTOR IS RESPONSIBLE FOR LOCATING ALL UNDERGROUND UTILITIES (PUBLIC OR PRIVATE) THAT MAY EXIST AND CROSS THROUGH THE AREA(S) OF CONSTRUCTION, WHETHER INDICATED ON THE PLANS OR NOT. CALL "811" A MINIMUM OF 72 HOURS PRIOR TO DIGGING OR EXCAVATING. REPAIRS TO ANY UTILITY DAMAGED RESULTING FROM CONSTRUCTION ACTIVITIES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

811 Know what's below. Call before you dig

BID DOCUMENTS - DO NOT USE FOR CONSTRUCTION

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SOUTH CAROLINA CERTIFICATE OF AUTHORIZATION
W. K. DICKSON & COMPANY, INC. No. C00177
C.O.A.

PROFESSIONAL SEAL

REVISION RECORD

NO.	DATE	DESCRIPTION	BY

PROJECT NAME:
MCBRYDE FIRE LANE
SITE IMPROVEMENTS
FOR
UNIVERSITY OF SOUTH CAROLINA
COLUMBIA, SOUTH CAROLINA

DRAWING TITLE:
COVER SHEET
PROJECT # FP00000292

PROJ. MGR.:	BET
DESIGN BY:	MDJ
DRAWN BY:	BAD
PROJ. DATE:	NOV. 2019

DRAWING NUMBER:

WKD PROJ. NO.:
20190363.00.CA

LEGEND

EXISTING	LEGEND	PROPOSED
280	5-FOOT CONTOUR	280
279	1-FOOT CONTOUR	279
	SPOT ELEVATION	XX
18" RCP	STORM DRAINAGE PIPE	SD LINE _" RCP
	STORM DRAINAGE STRUCTURE	DROP INLET, CURB INLET, JUNCTION BOX, YARD INLET, CATCH BASIN
	RIP RAP	
—x—x—x—	FENCE	
	ROADWAY SIGN	
	TREE LINE	
SS	SANITARY SEWER GRAVITY LINE	
	SANITARY SEWER MANHOLE	
	POWER/UTILITY POLE	
	GUY WIRE	
	LIGHT POLE	
	TRANSFORMER	
G	UNDERGROUND GAS LINE	
	GAS VALVE	
OW	OVERHEAD UTILITY LINE	
UE	UNDERGROUND POWER LINE	
UT	UNDERGROUND TELEPHONE/CABLE LINE	
FO	UNDERGROUND FIBER OPTIC LINE	
	TELEPHONE MANHOLE	
	POWER MANHOLE	
IRR	IRRIGATION LINE	
W	WATER LINE	
	WATER VALVE	
	WATER METER	
	WELL	
	FIRE HYDRANT	
TB	TOP OF BANK	
BB	BOTTOM OF BANK	
	PROPERTY LINE	
	ROADWAY CENTERLINE	
	LIMITS OF DISTURBANCE	LOD
	GRASS PAVER SYSTEM REMOVAL	
	CONCRETE PAVEMENT	
	CONCRETE SIDEWALK	
	BRICK PAVERS	
	MULCH / LANDSCAPE BEDS	
	COMPOST FILTER SOCK CHECK DAM	
	COMPOST FILTER SOCK	
	SEDIMENT TUBE INLET PROTECTION	
	SURFACE DRAINAGE FLOW DIRECTION	S
	SILT FENCE	SF
	DOUBLE ROW SILT FENCE	DSF
	DIVERSION BERM	DB

SCDHEC EROSION AND SEDIMENT CONTROL NOTES:

1. 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.
2. STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED, BUT IN NO CASE MORE THAN FOURTEEN (14) DAYS AFTER WORK HAS CEASED, EXCEPT AS STATED BELOW:
   A. WHERE STABILIZATION BY THE 14TH DAY IS PRECLUDED BY SNOW COVER OR FROZEN GROUND CONDITIONS STABILIZATION MEASURES MUST BE INITIATED AS SOON AS PRACTICABLE.
   B. WHERE CONSTRUCTION ACTIVITY ON A PORTION OF THE SITE IS TEMPORARILY CEASED, AND EARTH-DISTURBING ACTIVITIES WILL BE RESUMED WITHIN 14 DAYS, TEMPORARY STABILIZATION MEASURES DO NOT HAVE TO BE INITIATED ON THAT PORTION OF THE SITE.
3. ALL SEDIMENT AND EROSION CONTROL DEVICES SHALL BE INSPECTED ONCE EVERY CALENDAR WEEK. IF PERIODIC INSPECTION OR OTHER INFORMATION INDICATES THAT A BMP HAS BEEN INAPPROPRIATELY OR INCORRECTLY INSTALLED, THE PERMITTEE MUST ADDRESS THE NECESSARY REPLACEMENT OR MODIFICATION REQUIRED TO CORRECT THE BMP WITHIN 48 HOURS OF IDENTIFICATION.
4. 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 GRASSING IMMEDIATELY AFTER THE UTILITY INSTALLATION. FILL, COVER, AND TEMPORARY SEEDING AT THE END OF EACH DAY ARE RECOMMENDED. IF WATER IS ENCOUNTERED WHILE TRENCHING, THE WATER SHOULD BE FILTERED TO REMOVE ANY SEDIMENTS BEFORE BEING PUMPED BACK INTO ANY WATERS OF THE STATE.
5. 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.
6. THE CONTRACTOR MUST TAKE NECESSARY ACTION TO MINIMIZE THE TRACKING OF MUD ONTO PAVED ROADWAY(S) FROM CONSTRUCTION AREAS AND THE GENERATION OF DUST. THE CONTRACTOR SHALL DAILY REMOVE MUD/SOIL FROM PAVEMENT, AS MAY BE REQUIRED.
7. RESIDENTIAL SUBDIVISIONS REQUIRE EROSION CONTROL FEATURES FOR INFRASTRUCTURE AS WELL AS FOR INDIVIDUAL LOT CONSTRUCTION. INDIVIDUAL PROPERTY OWNERS SHALL FOLLOW THESE PLANS DURING CONSTRUCTION OR OBTAIN APPROVAL OF AN INDIVIDUAL PLAN IN ACCORDANCE WITH S.C. REG. 72-300 ET SEQ. AND SCR100000.
8. 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.
9. ALL WATERS OF THE STATE (WOS), INCLUDING WETLANDS, ARE TO BE FLAGGED OR OTHERWISE CLEARLY MARKED IN THE FIELD. A DOUBLE ROW OF SILT FENCE IS TO BE INSTALLED IN ALL AREAS WHERE A 50-FOOT BUFFER CAN'T BE MAINTAINED BETWEEN THE DISTURBED AREA AND ALL WOS. A 10-FOOT BUFFER SHOULD BE MAINTAINED BETWEEN THE LAST ROW OF SILT FENCE AND ALL WOS.
10. LITTER, CONSTRUCTION DEBRIS, OILS, FUELS, AND BUILDING PRODUCTS WITH SIGNIFICANT POTENTIAL FOR IMPACT (SUCH AS STOCKPILES OF FRESHLY TREATED LUMBER) AND CONSTRUCTION CHEMICALS THAT COULD BE EXPOSED TO STORM WATER MUST BE PREVENTED FROM BECOMING A POLLUTANT SOURCE IN STORM WATER DISCHARGES.
11. A COPY OF THE SWPPP, INSPECTIONS RECORDS, AND RAINFALL DATA MUST BE RETAINED AT THE CONSTRUCTION SITE OR A NEARBY LOCATION EASILY ACCESSIBLE DURING NORMAL BUSINESS HOURS, FROM THE DATE OF COMMENCEMENT OF CONSTRUCTION ACTIVITIES TO THE DATE THAT FINAL STABILIZATION IS REACHED.
12. INITIATE STABILIZATION MEASURES ON ANY EXPOSED STEEP SLOPE (3H:1V OR GREATER) WHERE LAND DISTURBING ACTIVITIES HAVE PERMANENTLY OR TEMPORARILY CEASED, AND WILL NOT RESUME FOR A PERIOD OF 7 CALENDAR DAYS.
13. MINIMIZE SOIL COMPACTION AND, UNLESS INFEASIBLE, PRESERVE TOPSOIL.
14. MINIMIZE THE DISCHARGE OF POLLUTANTS FROM EQUIPMENT AND VEHICLE WASHING, WHEEL WASH WATER, AND OTHER WASH WATERS. WASH WATERS MUST BE TREATED IN A SEDIMENT BASIN OR ALTERNATIVE CONTROL THAT PROVIDES EQUIVALENT OR BETTER TREATMENT PRIOR TO DISCHARGE;
15. MINIMIZE THE DISCHARGE OF POLLUTANTS FROM DEWATERING OF TRENCHES AND EXCAVATED AREAS. THESE DISCHARGES ARE TO BE ROUTED THROUGH APPROPRIATE BMPS (SEDIMENT BASIN, FILTER BAG, ETC.).
16. THE FOLLOWING DISCHARGES FROM SITES ARE PROHIBITED:
   A. WASTEWATER FROM WASHOUT OF CONCRETE, UNLESS MANAGED BY AN APPROPRIATE CONTROL;
   B. WASTEWATER FROM WASHOUT AND CLEANOUT OF STUCCO, PAINT, FORM RELEASE OILS, CURING COMPOUNDS AND OTHER CONSTRUCTION MATERIALS;
   C. FUELS, OILS, OR OTHER POLLUTANTS USED IN VEHICLE AND EQUIPMENT OPERATION AND MAINTENANCE; AND
   D. SOAPS OR SOLVENTS USED IN VEHICLE AND EQUIPMENT WASHING.
17. AFTER CONSTRUCTION ACTIVITIES BEGIN, INSPECTIONS MUST BE CONDUCTED AT A MINIMUM OF AT LEAST ONCE EVERY CALENDAR WEEK AND MUST BE CONDUCTED UNTIL FINAL STABILIZATION IS REACHED ON ALL AREAS OF THE CONSTRUCTION SITE.
18. IF EXISTING BMPS NEED TO BE MODIFIED OR IF ADDITIONAL BMPS ARE NECESSARY TO COMPLY WITH THE REQUIREMENTS OF THIS PERMIT AND/OR SC'S WATER QUALITY STANDARDS, IMPLEMENTATION MUST BE COMPLETED BEFORE THE NEXT STORM EVENT WHENEVER PRACTICABLE. IF IMPLEMENTATION BEFORE THE NEXT STORM EVENT IS IMPRACTICABLE, THE SITUATION MUST BE DOCUMENTED IN THE SWPPP AND ALTERNATIVE BMPS MUST BE IMPLEMENTED AS SOON AS REASONABLY POSSIBLE.
19. A PRE-CONSTRUCTION CONFERENCE MUST BE HELD FOR EACH CONSTRUCTION SITE WITH AN APPROVED ON-SITE SWPPP PRIOR TO THE IMPLEMENTATION OF CONSTRUCTION ACTIVITIES. FOR NON-LINEAR PROJECTS THAT DISTURB 10 ACRES OR MORE THIS CONFERENCE MUST BE HELD ON-SITE UNLESS THE DEPARTMENT HAS APPROVED OTHERWISE.

SEQUENCE OF CONSTRUCTION

1. RECEIVE NPDES COVERAGE FROM SCDHEC AND/OR LOCAL MS4.
2. CONDUCT PRE-CONSTRUCTION MEETING.
3. NOTIFY SCDHEC EQC REGIONAL EQC OFFICE 48 HOURS PRIOR TO BEGINNING LAND DISTURBANCE ACTIVITIES. MAY ALSO REQUIRE LOCAL REGULATORY NOTIFICATION.
4. INSTALLATION OF CONSTRUCTION ENTRANCE.
5. INSTALLATION OF PRELIMINARY EROSION CONTROLS.
6. BEGIN PERFORMING WEEKLY SCDHEC SWPPP INSPECTIONS UNTIL SITE IS PERMANENTLY STABILIZED.
7. INSTALL ALL TEMPORARY EROSION CONTROLS.
8. BEGIN DEMOLITION ACTIVITIES AND CLEAR AND GRUB REMAINING AREAS OF THE SITE AS INDICATED ON THE PLANS.
9. STRIP AND STOCKPILE TOPSOIL AS NOTED IN THE PLANS AND SPECIFICATIONS.
10. COMPLETE THE SITE IMPROVEMENTS AS INDICATED ON THE PLANS.
11. CONTINUE PERFORMING WEEKLY SCDHEC SWPPP INSPECTIONS UNTIL SITE IS PERMANENTLY STABILIZED.
12. APPLY TOPSOIL AND INITIATE PERMANENT STABILIZATION MEASURES.
13. UPON COMPLETE STABILIZATION OF THE SITE, REMOVE ALL TEMPORARY EROSION CONTROL MEASURES.
14. SUBMIT NOTICE OF TERMINATION (NOT) TO SCDHEC AS APPROPRIATE (BY ENGINEER).

GENERAL NOTES

1. REFERENCE IS MADE TO THE FOLLOWING:
   A. EXISTING CONDITION SURVEY BASE FILE PROVIDED BY UNIVERSITY OF SOUTH CAROLINA, DATED JULY 2008.
2. ALL ELEVATIONS SHOWN REFER TO NAVD 88 DATUM.
3. HORIZONTAL COORDINATES REFER TO NAD 83 SOUTH CAROLINA STATE PLANE COORDINATE SYSTEM.
4. THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY. VERIFY ALL FIELD CONDITIONS AND THE EXACT LOCATIONS OF ALL UNDERGROUND UTILITIES PRIOR TO BEGINNING DEMOLITION AND CONSTRUCTION. IF CONDITIONS ARE DIFFERENT FROM THAT SHOWN ON THE PLANS, STOP WORK AND NOTIFY THE ENGINEER.
5. ALL WORK FOR THE PROJECT SHALL CONFORM TO THE PROJECT SPECIFICATIONS FOUND IN THE PROJECT MANUAL (CONTRACT DOCUMENTS AND SPECIFICATIONS).
6. CONTRACTOR IS RESPONSIBLE FOR THE LAYOUT AND STAKING OF THE PROPOSED SITE AND LIMITS OF WORK.
7. ANY UTILITIES OR FACILITIES DAMAGED DURING THE PROJECT BY THE CONTRACTOR'S PERSONNEL OR EQUIPMENT SHALL BE PROMPTLY REPAIRED AT THE CONTRACTOR'S EXPENSE. HAND DIGGING TO PROTECT UTILITIES FROM DAMAGE SHOULD BE ANTICIPATED.
8. THE CONTRACTOR IS RESPONSIBLE FOR CONDUCTING WORK IN ACCORDANCE WITH THE LATEST REQUIREMENTS AND REGULATIONS OF THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA).
9. ALL DEMOLITION DEBRIS, INCLUDING CLEARING AND GRUBBING SHALL BE DISPOSED OF OFF-SITE IN ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL REGULATIONS AND SPECIFICATIONS, LATEST REVISION.
10. PROMPTLY INFORM THE ENGINEER OF ANY ERROR OR DISCREPANCIES DISCOVERED IN THE DRAWINGS OR SPECIFICATIONS OR CONFLICTS BETWEEN THE DRAWING AND SPECIFICATIONS IN ORDER FOR CORRECTIONS TO BE MADE.
11. ALL WORK AND MATERIALS MUST CONFORM WITH UNIVERSITY OF SOUTH CAROLINA, CITY OF COLUMBIA AND SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL (SCDHEC) REGULATIONS AND SPECIFICATIONS, LATEST REVISIONS AT THE BEGINNING OF CONSTRUCTION.
12. KEEP ALL ADJACENT AREAS TO THE LIMITS OF WORK CLEAN AND FREE OF DEBRIS/MATERIALS/EQUIPMENT AT ALL TIMES.
13. CONTRACTOR RESPONSIBLE FOR PREPARING AND OBTAINING APPROVAL OF ALL TRAFFIC CONTROL PLANS AND LAYOUT AS REQUIRED FOR THE DURATION OF THE PROJECT.
14. ANY POSSIBLE STOCKPILES, OFFSITE MATERIAL, WASTE, BORROW, OR CONSTRUCTION EQUIPMENT STORAGE / LAYDOWN AREAS SHALL BE LOCATED WITHIN THE LIMITS OF DISTURBANCE.

GRADING AND EROSION CONTROL NOTES:

1. EXISTING UNDERGROUND UTILITIES SHALL BE FIELD VERIFIED PRIOR TO INSTALLATION OF ANY NEW PIPE LINES OR GRADING OPERATIONS.
2. WHEN GRADING BETWEEN CONTOURS AND BETWEEN POINTS OF SPOT ELEVATIONS, GRADE ON A UNIFORM SLOPE. PROPOSED GRADES SHOWN ARE FINAL SURFACE ELEVATIONS.
3. CONTRACTOR SHALL ENSURE POSITIVE DRAINAGE ON ALL FINISHED GRADE SURFACES.
4. EACH SECTION OF STORM DRAINAGE PIPE SHALL BE LAID TO SPECIFIED GRADE AND LAID UPGRADE.
5. ALL VEGETATION TOPSOIL SHALL BE STRIPPED AND STOCKPILED PRIOR TO PLACING FILL, PROTECT STOCKPILE FROM EROSION.
6. CONTRACTOR SHALL, FOR ALL GRASSED AREAS, BE RESPONSIBLE FOR REPLACING ERODED SOIL AND GRASS SEED UNTIL AN APPROVED STAND OF GRASS IS ESTABLISHED.
7. PROPOSED FILL SOILS SHALL BE SUITABLE MATERIAL AND FREE OF ORGANIC MATERIAL, RUBBLE, DEBRIS, AND HIGHLY PLASTIC CLAYS OR SILTS.
8. REMOVE ALL ORGANIC AND UNSUITABLE MATERIAL (MUCK AND/OR NON-COMPACTABLE MATERIAL) FROM AREAS TO BE FILLED.
9. CONTRACTOR SHALL, BEFORE BEGINNING GRADING WORK ON SITE, STAKE SILT FENCE AND INSTALL ALL PERIMETER EROSION CONTROLS AS SHOWN IN THESE PLANS.
10. CONTRACTOR SHALL BE AWARE OF EXISTING UTILITY LINES DURING PIPE LINE INSTALLATION. CONTRACTOR SHALL NOTIFY UTILITY COMPANIES SUCH AS THE LOCAL ELECTRIC COMPANY, AT&T, ETC. FOR LOCATION OF OTHER UTILITIES NOT SHOWN ON PLAN. CALL PALMETTO UTILITIES PROTECTION SERVICES (SC811) FOR UNDERGROUND UTILITY LINES LOCATION. THE CONTRACTOR IS RESPONSIBLE FOR LOCATING ALL UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION.
11. ALL NEWLY CONSTRUCTED SLOPES WHICH ARE STEEPER THAN OR EQUAL TO 2.5 TO 1 MUST BE STABILIZED BY INSTALLATION OF EROSION CONTROL MATTING. OTHER AREAS SUCH AS CHANNEL BOTTOMS, CHANNEL SIDESLOPES, AND SLOPES NEAR SENSITIVE WETLAND AREAS MAY ALSO REQUIRE EROSION CONTROL MATTING WHERE SHOWN ON PLANS. USE NORTH AMERICAN GREEN (NAG) ROLLMAX SC150 OR APPROVED EQUAL WHERE CHANNEL PROTECTION/EROSION CONTROL MATTING IS SPECIFIED ON THE PLANS UNLESS OTHER SPECIFIC MATERIAL IS CALLED OUT ON PLAN SHEET. EQUAL PRODUCTS MUST BE APPROVED BY THE ENGINEER PRIOR TO INSTALLATION.
12. PROVIDE SILT FENCE AND/OR OTHER CONTROL DEVICES AS MAY BE REQUIRED TO CONTROL SOIL EROSION DURING CONSTRUCTION. ALL DISTURBED AREAS SHALL BE CLEANED, GRADED AND STABILIZED WITH GRASSING IMMEDIATELY AFTER THE SITE IMPROVEMENTS ARE COMPLETED.
13. ALL AREAS OUTSIDE OF THE LIMITS OF WORK WHICH ARE DISTURBED BY CONSTRUCTION ACTIVITIES SHALL BE SEEDED AT NO ADDITIONAL EXPENSE TO THE OWNER.
14. INSTALL PERMANENT VEGETATIVE COVER AND THE LONG-TERM EROSION PROTECTION MEASURES OR STRUCTURES AS SOON AS PRACTICAL IN THE DEVELOPMENT PROCESS.
15. ALL DISTURBED AREAS NOT PAVED SHALL BE GRASSED OR LANDSCAPED. USE TEMPORARY PLANT COVER, MULCHING, AND/OR STRUCTURES TO CONTROL RUNOFF AND PROTECT AREA SUBJECT TO EROSION DURING CONSTRUCTION.
16. ALL SEDIMENT AND EROSION CONTROLS ARE TO BE INSPECTED AT LEAST ONCE EVERY SEVEN CALENDAR DAYS AND AFTER ANY STORM EVENT OF GREATER THAN 0.5 INCHES OF PRECIPITATION DURING ANY 24-HOUR PERIOD. MAINTENANCE OF SEDIMENT TRAPPING DEVICES SHALL BE PERFORMED AS NECESSARY PER THESE INSPECTIONS. DAMAGED OR INEFFECTIVE DEVICES SHALL BE REPAIRED OR REPLACED, AS NECESSARY.
17. ADDITIONAL EROSION CONTROL DEVICES MAY BE REQUIRED DURING CONSTRUCTION TO CONTROL EROSION AND/OR OFF SITE SEDIMENTATION. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING THE STABILITY OF ALL GRADED AND/OR CLEARED AREAS UNTIL PERMANENT GROUND COVER IS ESTABLISHED. ANY AREAS DAMAGED BY EROSION SHALL BE REPAIRED TO ITS ORIGINAL CONDITION AND PROTECTED FROM FURTHER EROSION AT NO ADDITIONAL COST TO THE OWNER.
18. 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. ALL TEMPORARY CONTROL DEVICES SHALL BE REMOVED ONCE CONSTRUCTION IS COMPLETED AND THE SITE STABILIZED.
19. ALL EROSION CONTROL METHODS SHALL BE IN ACCORDANCE WITH "SCDHEC STORM WATER MANAGEMENT & SEDIMENT CONTROL BMP HANDBOOK FOR LAND DISTURBANCE ACTIVITY".
20. ALL DISTURBED AREAS, INCLUDING THE CONTRACTORS STAGING AREA, HAUL ROUTES, GRADING LIMITS, ETC., SHALL BE RESTORED TO A SMOOTH LINE AND GRADE WITH POSITIVE DRAINAGE. THE CONTRACTOR SHALL PERMANENTLY SEED ALL DISTURBED AREAS.
21. CONTRACTORS ARE REQUIRED TO HAVE RAIN GAUGES AT THE CONSTRUCTION SITE AND THE RAIN TOTALS DOCUMENTED FOR REVIEW BY SCDHEC.
22. THE INSTALLATIONS OF UTILITIES (CABLE, ELECTRICAL, NATURAL GAS, WATER, SEWER, ETC.) ARE TO BE WITHIN THE PERMITTED LIMITS OF DISTURBANCE AND THAT INSTALLATION OUTSIDE OF THESE AREAS WILL REQUIRE A MODIFICATION TO THE PERMIT.
23. THE STABILIZATION OF CONVEYANCE CHANNELS ARE TO BE COMPLETED WITHIN 7 DAYS OF CHANNEL CONSTRUCTION (IF THERE ARE CHANNELS).

14 DAY STABILIZATION CLAUSE

ALL DISTURBED AREAS WHICH ARE TO BE LEFT IDLE FOR A PERIOD OF 14 DAYS OR LONGER ARE TO RECEIVE TEMPORARY VEGETATION OR MULCH.

EROSION CONTROL MAINTENANCE SCHEDULE

ALL SEDIMENT AND EROSION CONTROLS ARE TO BE INSPECTED AT LEAST ONCE EVERY SEVEN (7) CALENDAR DAYS. CONTRACTOR TO DOCUMENT WITH SCDHEC APPROVED INSPECTION REPORTS AND LOGGED IN THE PROJECT SWPPP.

BID DOCUMENTS - DO NOT USE FOR CONSTRUCTION

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PROFESSIONAL SEAL

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PROJECT NAME: MCBRYDE FIRE LANE SITE IMPROVEMENTS FOR UNIVERSITY OF SOUTH CAROLINA COLUMBIA, SOUTH CAROLINA

DRAWING TITLE: GENERAL NOTES PROJECT # FP00000292

PROJ. MGR.:	BET
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DRAWN BY:	BAD
PROJ. DATE:	NOV. 2019

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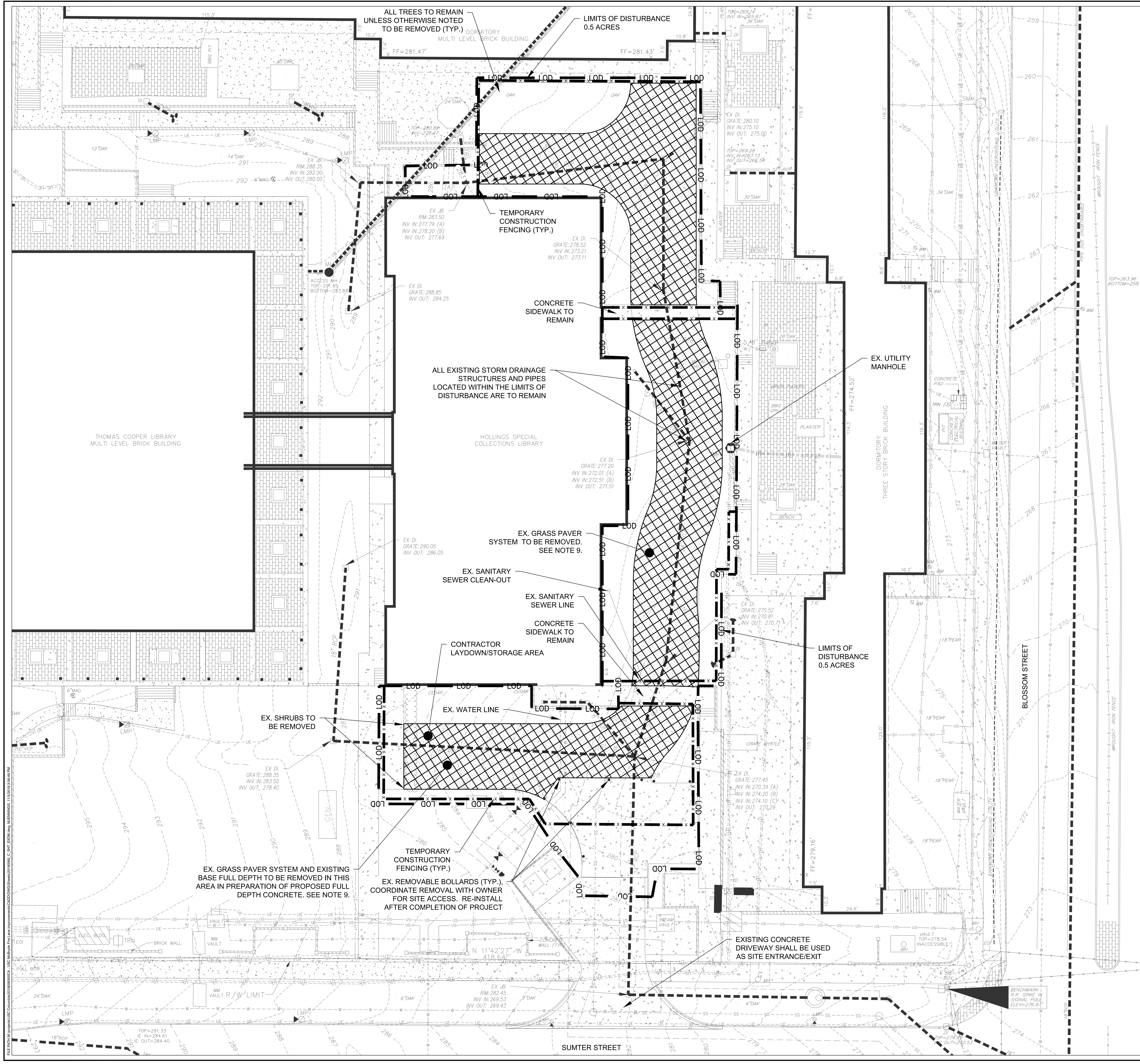
ALL TREES TO REMAIN UNLESS OTHERWISE NOTED TO BE REMOVED (TYP.)
LIMITS OF DISTURBANCE 0.5 ACRES
TEMPORARY CONSTRUCTION FENCING (TYP.)
CONCRETE SIDEWALK TO REMAIN
ALL EXISTING STORM DRAINAGE STRUCTURES AND PIPES LOCATED WITHIN THE LIMITS OF DISTURBANCE ARE TO REMAIN
EX. UTILITY MANHOLE
THOMAS COOPER LIBRARY MULTI LEVEL BRICK BUILDING
HOLLINGS SPECIAL COLLECTIONS LIBRARY
DORMITORY THREE STORY BRICK BUILDING
EX. GRASS PAVER SYSTEM TO BE REMOVED. SEE NOTE 9.
EX. SANITARY SEWER CLEAN-OUT
EX. SANITARY SEWER LINE
CONCRETE SIDEWALK TO REMAIN
CONTRACTOR LAYDOWN/STORAGE AREA
LIMITS OF DISTURBANCE 0.5 ACRES
EX. WATER LINE
EX. SHRUBS TO BE REMOVED
TEMPORARY CONSTRUCTION FENCING (TYP.)
EX. GRASS PAVER SYSTEM AND EXISTING BASE FULL DEPTH TO BE REMOVED IN THIS AREA IN PREPARATION OF PROPOSED FULL DEPTH CONCRETE. SEE NOTE 9.
EX. REMOVABLE BOLLARDS (TYP.), COORDINATE REMOVAL WITH OWNER FOR SITE ACCESS. RE-INSTALL AFTER COMPLETION OF PROJECT
EXISTING CONCRETE DRIVEWAY SHALL BE USED AS SITE ENTRANCE/EXIT
BLOSSOM STREET
SUMTER STREET

NOTES:

1. REFER TO GENERAL NOTES, SHEET 2 FOR ADDITIONAL NOTES.
2. REFER TO SHEET 2 FOR INITIAL EROSION CONTROL SEQUENCE.
3. TOTAL PROJECT LIMITS OF DISTURBANCE = 0.5 ACRES.
4. LOCATION OF ALL UNDERGROUND UTILITY LINES ARE APPROXIMATE LOCATIONS BASED OFF OF DATA SUPPLIED BY THE UNIVERSITY OF SOUTH CAROLINA. CONTRACTOR SHALL VERIFY ALL FIELD LOCATIONS OF UTILITY LINES PRIOR TO BEGINNING DEMOLITION AND CONSTRUCTION ACTIVITIES.
5. EXISTING UTILITIES TO BE PROTECTED DURING ALL DEMOLITION AND CONSTRUCTION ACTIVITIES.
6. ALL SURROUNDING PROPERTIES ARE OWNED BY THE UNIVERSITY OF SOUTH CAROLINA.
7. ALL TREES SHALL REMAIN UNLESS OTHERWISE NOTED TO BE REMOVED.
8. CONTRACTOR SHALL COORDINATE WITH APPROPRIATE UTILITY PROVIDERS FOR ANY UTILITY RELOCATIONS.
9. CONTRACTOR SHALL COMPLETELY REMOVE EXISTING GRASS PAVER PLASTIC CELL COMPONENTS AND MEDIA, EXPOSING THE EXISTING 8" GRADED AGGREGATE BASE COURSE. EXCAVATE TO APPROPRIATE DEPTHS IN PREPARATION OF PROPOSED PAVERS AND/OR CONCRETE INSTALLATION, SEE SHEET 6 FOR DETAILS.
10. CONTRACTOR SHALL PROVIDE APPROPRIATE FENCING AND BARRIERS TO SECURE THE WORK SITE FROM PEDESTRIAN AND VEHICULAR ACCESS DURING CONSTRUCTION.

20 0 20 40
SCALE: 1" = 20'

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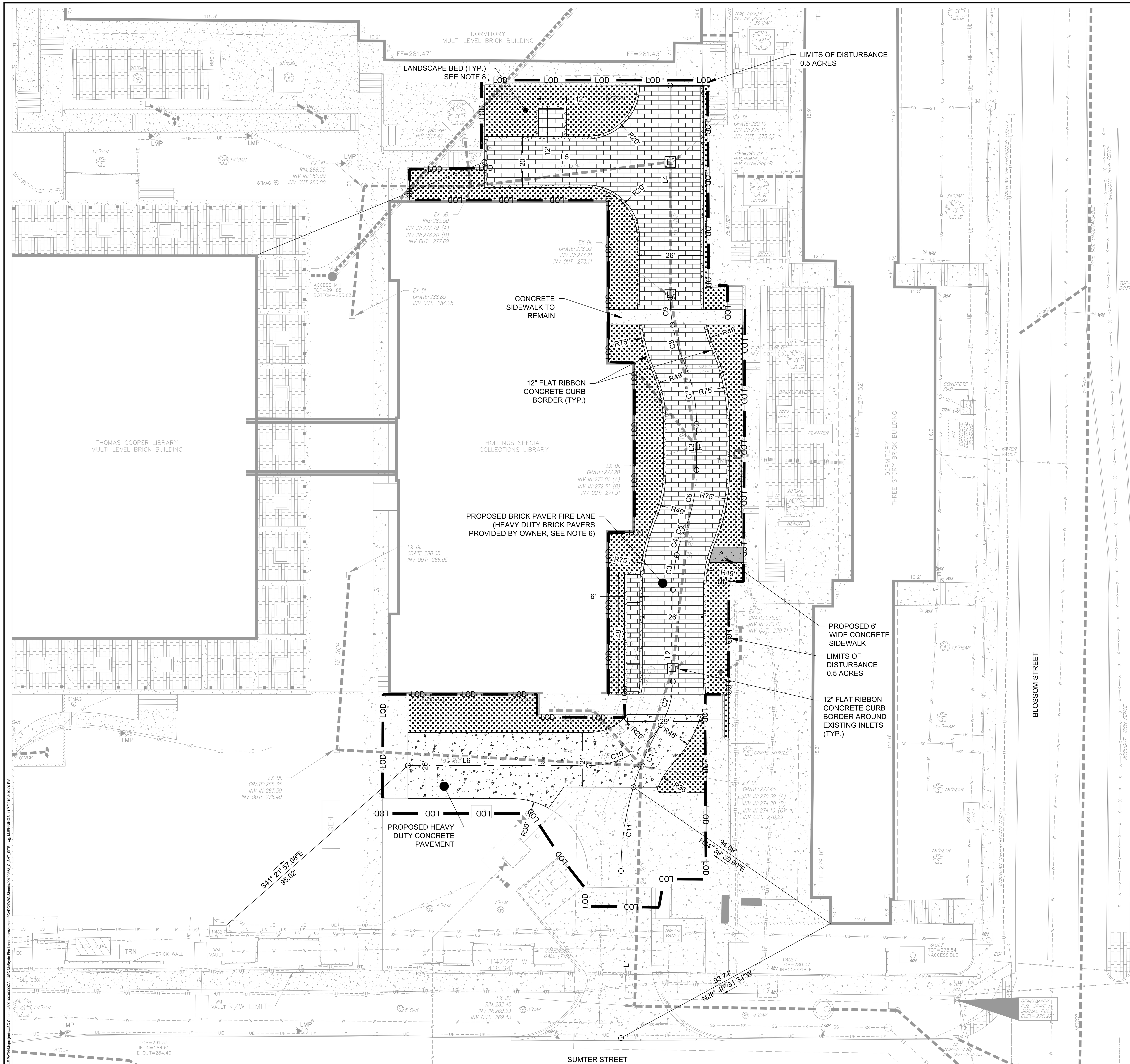


NOTES:

1. REFER TO GENERAL NOTES, SHEET 2 FOR ADDITIONAL NOTES.
2. TOTAL PROJECT LIMITS OF DISTURBANCE = 0.5 ACRES.
3. ALL DIMENSIONS, RADII AND POINTS ARE TO EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.
4. EXISTING UTILITIES TO BE PROTECTED DURING ALL CONSTRUCTION ACTIVITIES.
5. ALL SIDEWALKS SHALL BE ADA COMPLIANT.
6. COORDINATE WITH OWNER ON SUPPLY OF HEAVY DUTY BRICK PAVERS (4" X 8", 80MM PAVERS). CONTRACTOR SHALL BE RESPONSIBLE FOR TRANSPORT AND DELIVERY OF BRICK PAVERS TO THE JOB SITE FROM THE UNIVERSITY STOCKPILE LOCATION ON CAMPUS.
7. EXISTING IRRIGATION LINES AND CONDUIT SLEEVES LOCATED ALONG FIRE LANE ARE TO REMAIN IN PLACE. CONTRACTOR TO CAP AND ABANDON THREE EXISTING IRRIGATION HEADS, COORDINATE WITH OWNER. EXISTING DRIP IRRIGATION SYSTEM WITHIN LANDSCAPE BEDS SHALL REMAIN AND CONFIRM SYSTEM IS IN GOOD WORKING CONDITION. MAKE REPAIRS TO SYSTEM IF NEEDED.
8. EXISTING LANDSCAPING BEDS ADJACENT TO FIRE LANE SHALL BE CLEANED, INFILLED WITH TOPSOIL, AND MULCHED WITH A 1" LAYER OF DOUBLE HAMMERED, DOUBLE SHREDDED NATURAL HARDWOOD MULCH.

DEVELOPMENT DATA:

MUNICIPALITY:	CITY OF COLUMBIA, SOUTH CAROLINA
TMS #:	R11303-05-01A
ADDRESS:	1322 GREENE ST,COLUMBIA, SC 29208
ZONING:	C-1 (OFFICE AND INSTITUTIONAL DISTRICT)
EXISTING USE:	INSTITUTIONAL (FIRELANE)
PROPOSED USE:	INSTITUTIONAL (FIRELANE)
FEMA FLOOD ZONE:	ZONE X (PANEL #45079C0357L, EFFECTIVE DATE OF DEC. 21, 2017)

LINE TABLE

LINE #	LENGTH	DIRECTION
L1	65.59'	S89°58'14.40"W
L2	36.00'	N89°58'14.40"E
L3	18.18'	N89°58'14.40"E
L4	83.19'	N89°58'23.81"E
L5	73.00'	N00°01'45.60"W
L6	71.04'	S00°01'45.60"E

CURVE TABLE

CURVE #	ARC LENGTH	RADIUS	CHORD BRG.	CHORD LENGTH
C1	26.70'	113.00'	N66°20'06.30"W	26.64'
C2	17.99'	33.00'	S74°25'13.96"E	17.77'
C3	13.78'	62.00'	S83°39'50.19"E	13.75'
C4	7.97'	62.00'	S73°37'04.87"E	7.96'
C5	3.45'	103.09'	S68°38'15.68"E	3.45'
C6	23.10'	62.00'	S79°21'27.66"E	22.96'
C7	25.49'	62.00'	N78°11'32.76"E	25.31'
C8	14.70'	62.00'	N73°12'31.21"E	14.67'
C9	10.79'	62.00'	N84°59'12.84"E	10.77'
C10	33.86'	32.99'	S29°24'15.72"E	32.39'
C11	33.38'	113.00'	N81°33'59.91"W	33.26'

SCALE: 1" = 20'

BID DOCUMENTS - DO NOT USE FOR CONSTRUCTION

WK DICKSON
community infrastructure consultants
1320 MAIN STREET
SUITE 400
COLUMBIA, SC 29201
(t)803-786-4261
(f)803-786-4263
WWW.WKDICKSON.COM

SOUTH CAROLINA CERTIFICATE OF AUTHORIZATION
W. K. DICKSON & COMPANY, INC.
No. C00177
C.O.A.

PROFESSIONAL SEAL

REVISION RECORD

NO.	DATE	DESCRIPTION	BY

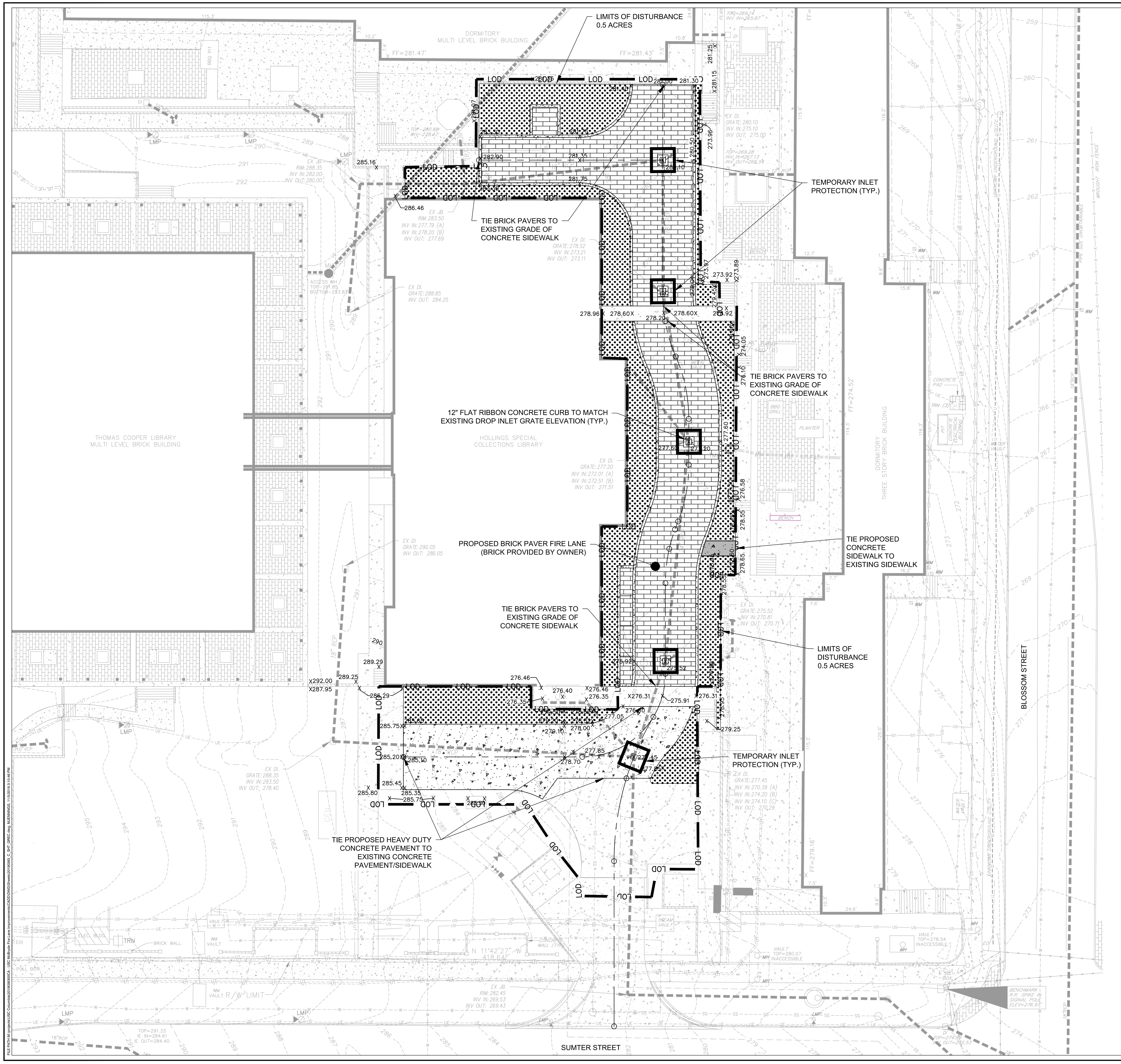
PROJECT NAME: MCBRYDE FIRE LANE SITE IMPROVEMENTS FOR UNIVERSITY OF SOUTH CAROLINA COLUMBIA, SOUTH CAROLINA

DRAWING TITLE: SITE LAYOUT PLAN PROJECT # FP00000292

PROJ. MGR.:	BET
DESIGN BY:	MDJ
DRAWN BY:	BAD
PROJ. DATE:	NOV. 2019

DRAWING NUMBER:

WKD PROJ. NO.:
20190363.00.CA



20 0 20 40
SCALE: 1" = 20'

NOTES:

1. REFER TO GENERAL NOTES, SHEET 2 FOR ADDITIONAL NOTES.
2. TOTAL PROJECT LIMITS OF DISTURBANCE = 0.5 ACRES.
3. BRICK PAVER FINISHED GRADE SHALL MATCH CURRENT DRAINAGE PATTERNS WITH POSITIVE DRAINAGE TO EXISTING STORM DRAINAGE INLETS. SEE SHEET 6 FOR ADDITIONAL DETAILS.
4. LOCATIONS OF ALL UNDERGROUND UTILITY LINES ARE IN APPROXIMATE LOCATIONS BASED OFF FIELD LOCATIONS AND AVAILABLE DATA PROVIDED BY UNIVERSITY SOUTH CAROLINA, VERIFY ALL FIELD LOCATIONS PRIOR TO BEGINNING DEMOLITION AND CONSTRUCTION ACTIVITIES.
5. EXISTING UTILITIES TO BE PROTECTED DURING ALL CONSTRUCTION ACTIVITIES.
6. ALL SPOT ELEVATIONS ARE TO EDGE OF PAVEMENT, UNLESS OTHERWISE NOTED.
7. ALL SPOT ELEVATIONS ARE FINAL SURFACE ELEVATIONS.
8. CONTRACTOR SHALL RE-COMPACT EXISTING BASE COURSE, PROVIDING PROPER BASE FOR BRICK PAVER INSTALLATION, SEE SHEET 6 FOR DETAILS.
9. CONTRACTOR SHALL PROVIDE PROPER SUBGRADE AND BASE COURSE PRIOR TO INSTALLATION OF HEAVY DUTY CONCRETE PAVEMENT SECTION, SEE SHEET 6 FOR DETAILS.
10. PROVIDE SMOOTH TRANSITION FROM PROPOSED BRICK PAVERS AND CONCRETE PAVEMENT TO EXISTING SURFACES.
11. EXISTING DRAINAGE STRUCTURE GRATES AND RIMS ARE TO REMAIN AT THEIR CURRENT ELEVATION. NO ADJUSTMENTS TO STRUCTURE FRAMES AND GRATES ARE EXPECTED.

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PROFESSIONAL SEAL

REVISION RECORD

NO.	DATE	DESCRIPTION	BY

PROJECT NAME:
MCBRYDE FIRE LANE
SITE IMPROVEMENTS
FOR
UNIVERSITY OF SOUTH CAROLINA
COLUMBIA, SOUTH CAROLINA

DRAWING TITLE:
GRADING AND EROSION CONTROL PLAN
PROJECT # 00000292

PROJ. MGR.:	BET
DESIGN BY:	MDJ
DRAWN BY:	BAD
PROJ. DATE:	NOV. 2019

DRAWING NUMBER:
5 OF 6

WKD PROJ. NO.:
20190363.00.CA

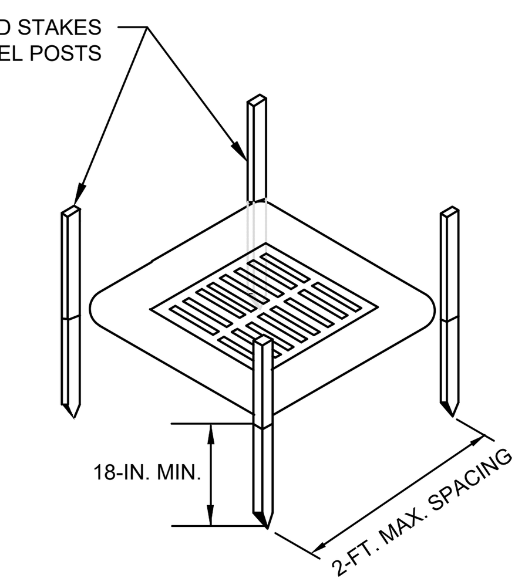
TYPE A - SEDIMENT TUBE INLET PROTECTION

GENERAL NOTES

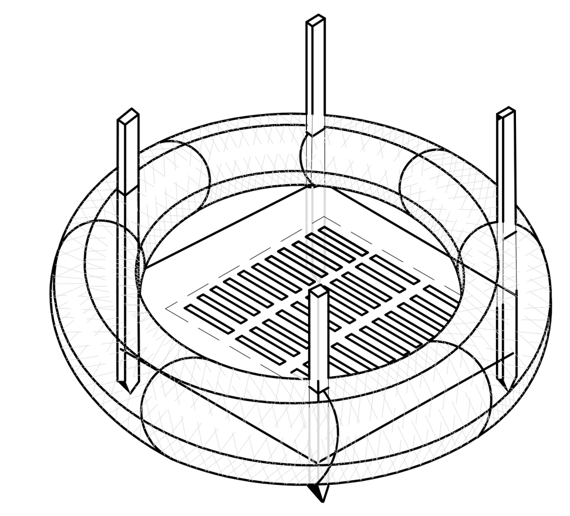
1. Sediment tubes are elongated tubes of compacted geotextiles, curled excelsior wood, natural coconut fiber, or hardwood mulch. Straw, pine needle, and leaf mulch-filled sediment tubes are not permitted.
2. The outer netting of the sediment tube should consist of seamless, high-density polyethylene photodegradable materials treated with ultraviolet stabilizers or a seamless, high-density polyethylene non-degradable material.
3. Sediment tube diameters shall range from 18-inches to 24-inches. Sediment tunes with smaller diameters are prohibited when used as inlet protection.
4. Curled excelsior wood, or natural coconut products that are rolled up to create a sediment tube are not allowed.
5. Sediment tubes should be staked using wooden oak 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.
6. 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.
7. The ends of adjacent sediment tubes should be overlapped 6-inches to prevent flow and sediment from passing through the field joint.
8. Sediment tubes should not be stacked on top of one another.
9. Each sediment tube should be installed in a trench with a depth equal to 1/5 the diameter of the sediment tube.
10. Install stakes at a diagonal facing incoming runoff.

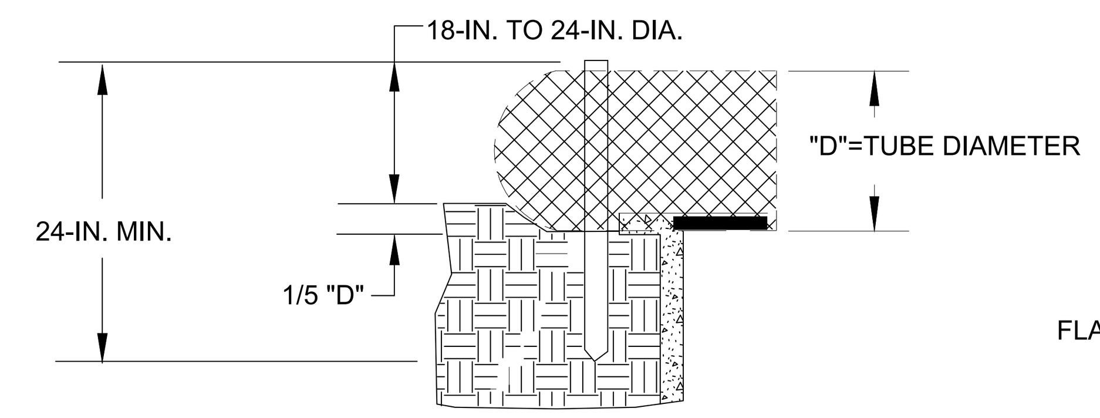
INSPECTION & MAINTENANCE

1. The key to functional inlet protection is weekly inspections, routine maintenance, and regular sediment removal.
2. Regular inspections of sediment tube inlet protection 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. When a sump is installed in front of the inlet protection, sediment shall be removed when if fills approximately 1/3 the depth of the sump.
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. Inlet protection structures should be removed 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 drop inlet structure crest. Stabilize all bare areas immediately.



POST INSTALLATION DETAIL

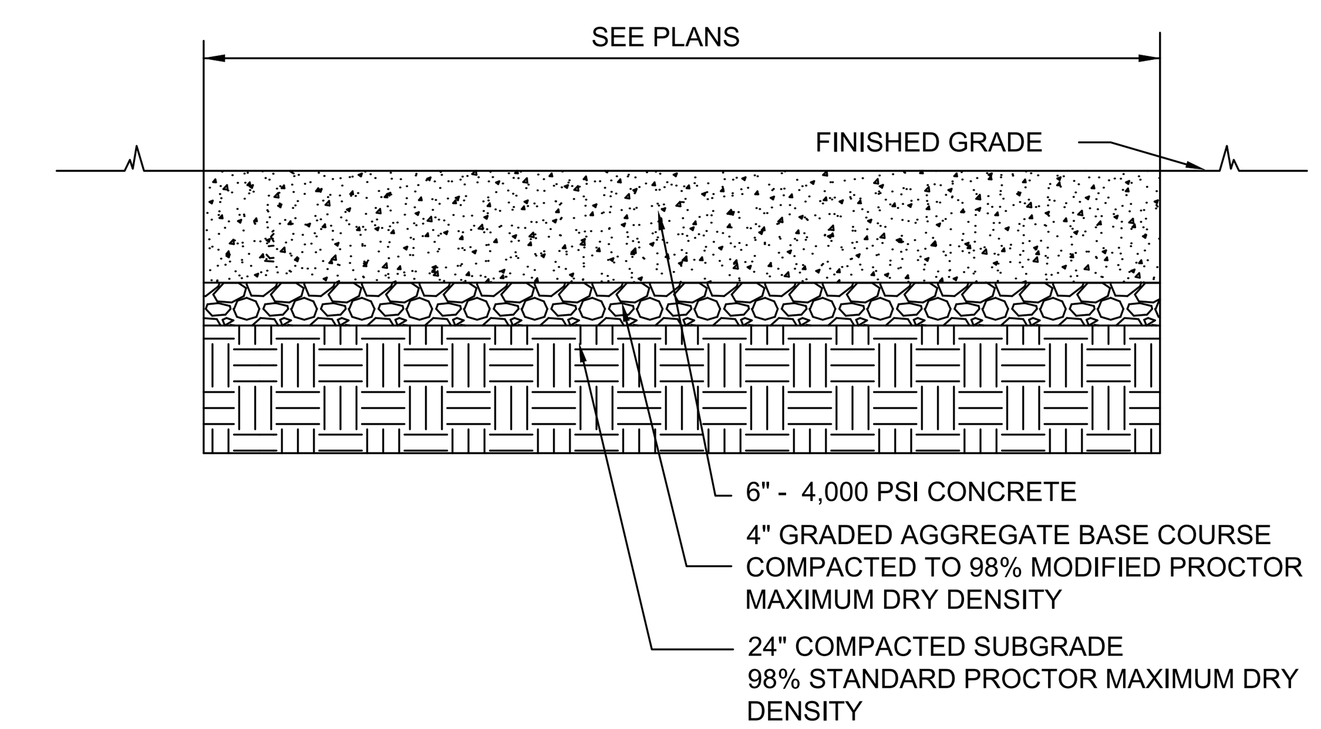

SEDIMENT TUBE INSTALLATION DETAIL



SEDIMENT TUBE BURIAL DETAIL

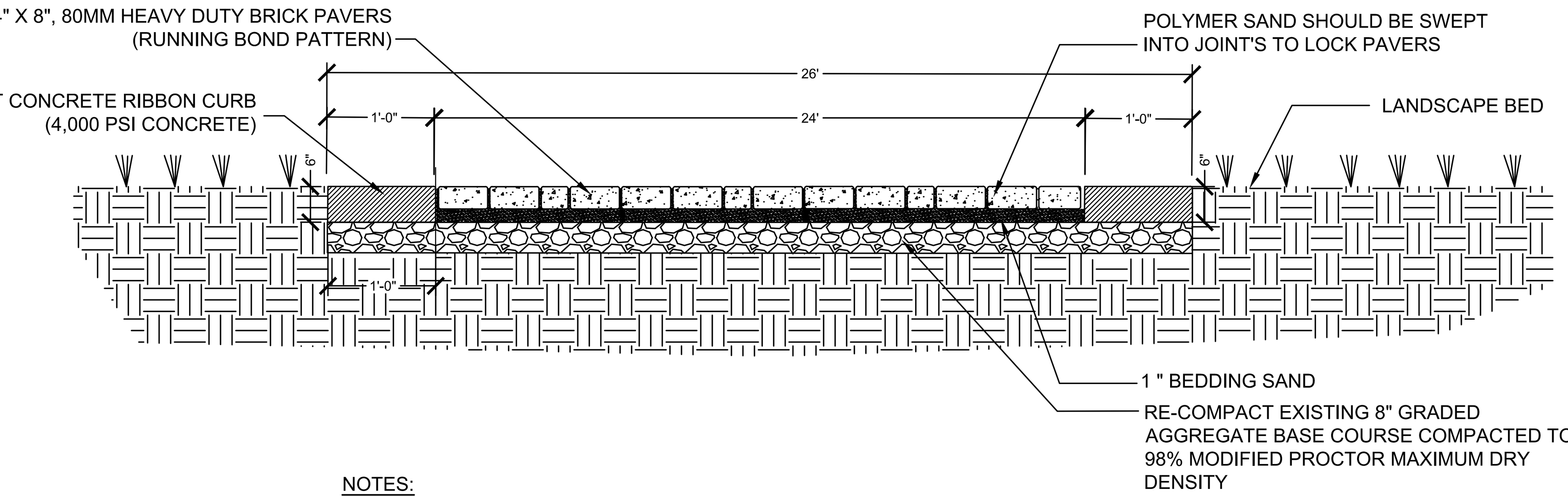
SEDIMENT TUBE INLET PROTECTION (DROP INLET OR YARD INLET)

NOT TO SCALE



HEAVY DUTY CONCRETE PAVEMENT

NOT TO SCALE



NOTES:

1. CONTRACTOR TO VERIFY PROPER BASE COMPACTION AND ELEVATIONS PRIOR TO PAVER INSTALLATION.
2. EXISTING GRASS PAVER SECTION CONSISTS OF APPROXIMATELY 1" OF GRASSPAVE PLASTIC CELL COMPONENTS AND 8" GRADED AGGREGATE BASE COURSE.
3. CONTRACTOR SHALL EXCAVATE APPROXIMATELY 2" INTO THE EXISTING GRADED AGGREGATE BASE COURSE, RE-COMPACT AND MAINTAIN A MINIMUM 6" SECTION EXISTING GRADED AGGREGATE BASE COURSE.
4. FINISHED GRADE OF BRICK PAVER FIRE LANE SECTION CAN BE SET A MAXIMUM 1" HIGHER THAN CURRENT EXISTING GRADES. CONSTRUCT SMOOTH TRANSITIONS BETWEEN EXISTING INLETS AND SURROUNDING SIDEWALKS.

BRICK PAVER FIRE LANE SECTION

NOT TO SCALE

Temporary Seeding - Upstate

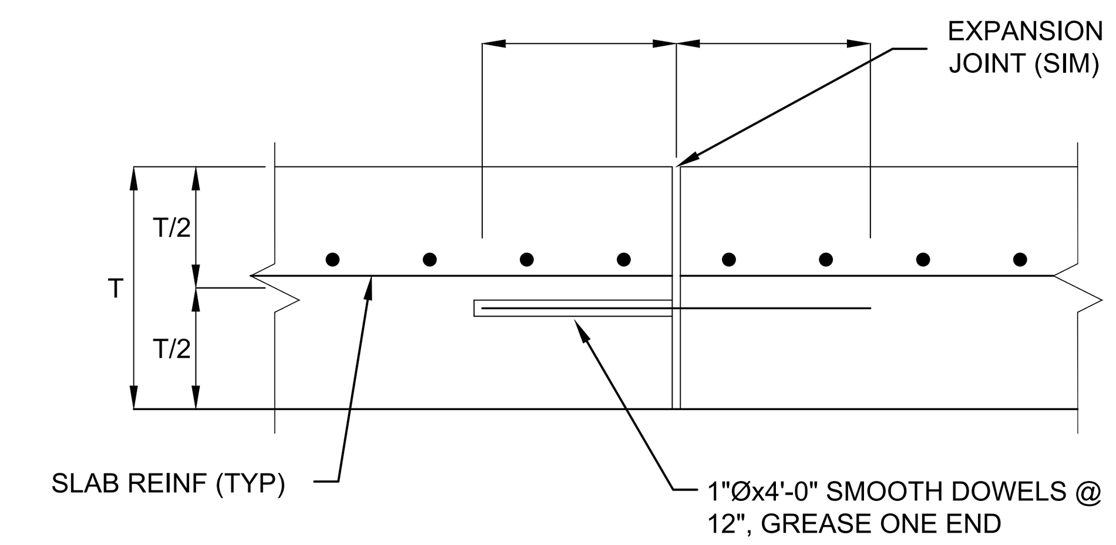
Species	lbs./ac	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Browntop Millet (Alone)	40												
Browntop Millet (Mix)	10												
Rye Grain (Alone)	56												
Rye Grain (Mix)	10												
Rye Grass (Alone)	50												
Rye Grass (Mix)	8												
For Steep Slopes/Cut Slopes													
Weeping Lovegrass (Alone)	4												
Weeping Lovegrass (Mix)	2												

Permanent Seeding - Upstate

Species	Lbs/Ac	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Bahia Grass (Alone)	40												
Bahia Grass (Mix)	30												
Bermuda Grass (hulled) (Alone)	8-12												
Bermuda Grass (hulled) (Mix)	4-6												
Fescue, Tall (KY31) Alone	40												
Fescue, Tall (KY31) mix	20												
Sericea Lespedeza (Scarified) Alone or Mix (inoculate with EL Innoculant	40												
Ladino Clover (mix only) Innoculate with AB Innoculant	2												
For Steep Slopes/Cut Slopes													
Weeping Lovegrass (Alone)	4												
Weeping Lovegrass (Mix)	2												
Crownvetch (Mix) (Inoculate with Type M Innoculant	8-10												

1. AREAS TO BE GRASSED SHALL BE DEFINED AS ALL AREAS OF SITE WITHIN THE GRADING LIMITS AND NOT OCCUPIED BY PAVING, CRUSHED STONE SURFACING OR STRUCTURES. GRASSING SHALL INCLUDE FINAL SHAPING, LIMING, FERTILIZING AND SEEDING OR SODDING.
2. SEEDS SHALL BE MIXTURE AS APPROVED BY THE ENGINEER AND SHALL MEET REQUIREMENTS OF SEED LAWS OF THE STATE AND THE U.S. DEPARTMENT OF AGRICULTURE RULES AND REGULATIONS UNDER FEDERAL SEED ACT IN EFFECT ON DATE BIDS ARE RECEIVED. SEED SHALL BE DELIVERED IN STANDARD CONTAINERS. SEED WHICH HAS BECOME WET, MOLDY OR DAMAGED IN TRANSIT OR STORAGE WILL NOT BE ACCEPTABLE.
3. SPREAD SEED AT A RATE AS NOTED ON THE DRAWINGS/SPECIFICATIONS.
4. AREAS THAT REQUIRE RE-FERTILIZATION AND\OR RE-SEEDING WILL BE DESIGNATED BY THE ENGINEER. WHEN ANY PORTION OF SURFACE BECOMES GULLED OR OTHERWISE DAMAGED FOLLOWING SEEDING, OR SEEDLINGS HAVE BEEN WINTER-KILLED OR OTHERWISE DESTROYED, AFFECTED PORTION SHALL BE REPAIRED TO RE-ESTABLISH CONDITION AND GRADE OF SOIL PRIOR TO SEEDLING AND SHALL BE RE-SEEDED AS SPECIFIED ABOVE.
5. ALL DISTURBED AREAS ARE TO BE GRASSED IMMEDIATELY AFTER CONSTRUCTION IN THE AREA. AT NO TIME WILL AN AREA BE LEFT BARE FOR MORE THAN 14 DAYS AFTER COMPLETION OF CONSTRUCTION.
6. PERMANENT GRASS SHALL BE PROVIDED FOR ALL DISTURBED AREAS. SEED SHALL BE A MINIMUM 90% PURITY AND 80% GERMINATION. AREAS TO HAVE GRASS APPLIED SHALL BE SCARIFIED CULTIVATED TO A DEPTH OF 3 INCHES, WITH ALL CLODS OR CLUMPS BROKEN UP AND FOREIGN MATERIAL AND DEBRIS REMOVED. FERTILIZER AND LIME SHALL BE THOROUGHLY WORKED INTO THE SOIL, AND THE SURFACE RAKED SMOOTH BEFORE APPLYING SEED. SEED SHALL BE APPLIED EVENLY AT THE MINIMUM RATE AND RAKED IN LIGHTLY.
7. CONTRACTOR SHALL WATER AS NEEDED UNTIL GRASS IS ESTABLISHED.
8. ALL DISTURBED AREAS SHALL BE HYDROSEEDED UNLESS SHOWN ON PLANS TO RECEIVE SODDING OR COMPOST BLANKET.

GRASS SEEDING NOTES / SCHEDULES

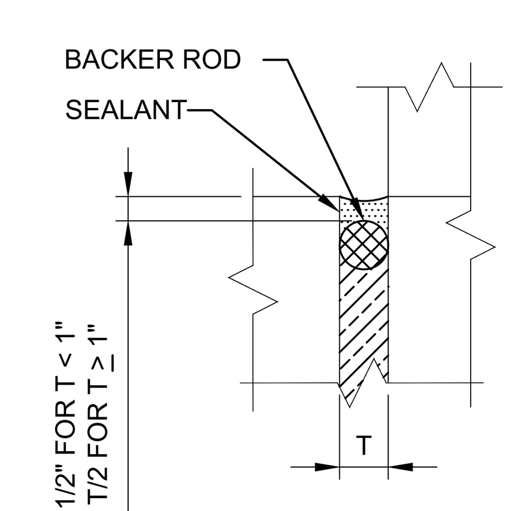


NOTES:

1. JOINTS SHALL BE LOCATED AS SHOWN ON THE PLANS OR 30'-0" OC EW (MAX).

CONSTRUCTION JOINT

NOT TO SCALE

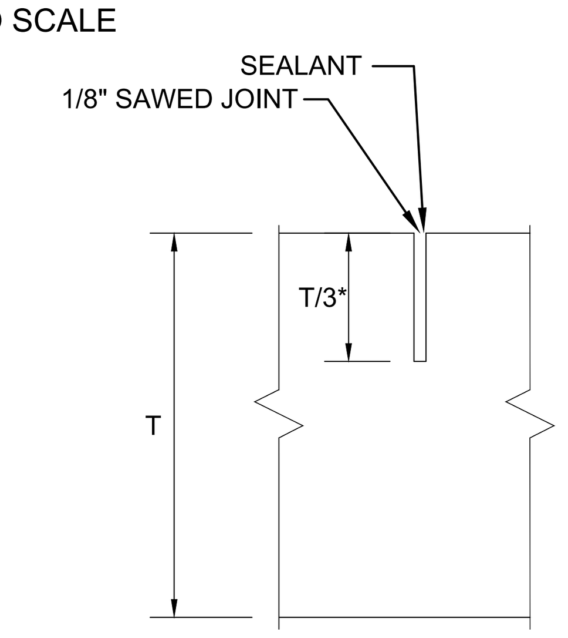


NOTES:

1. USE T=1" FOR NEW CONCRETE ADJACENT TO BUILDINGS OR EXISTING SAW-CUT PAVEMENT/CONCRETE.
2. PROVIDE 1/2" EXPANSION JOINT WHERE CONCRETE PAVING AND SIDEWALK ABUTS ADJACENT STRUCTURES AND DISSIMILAR SURFACES.

EXPANSION JOINT

NOT TO SCALE

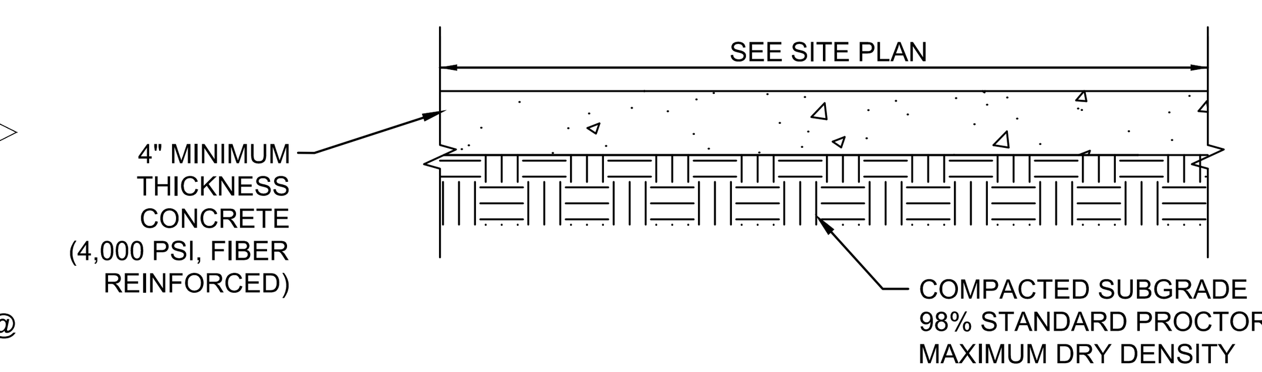


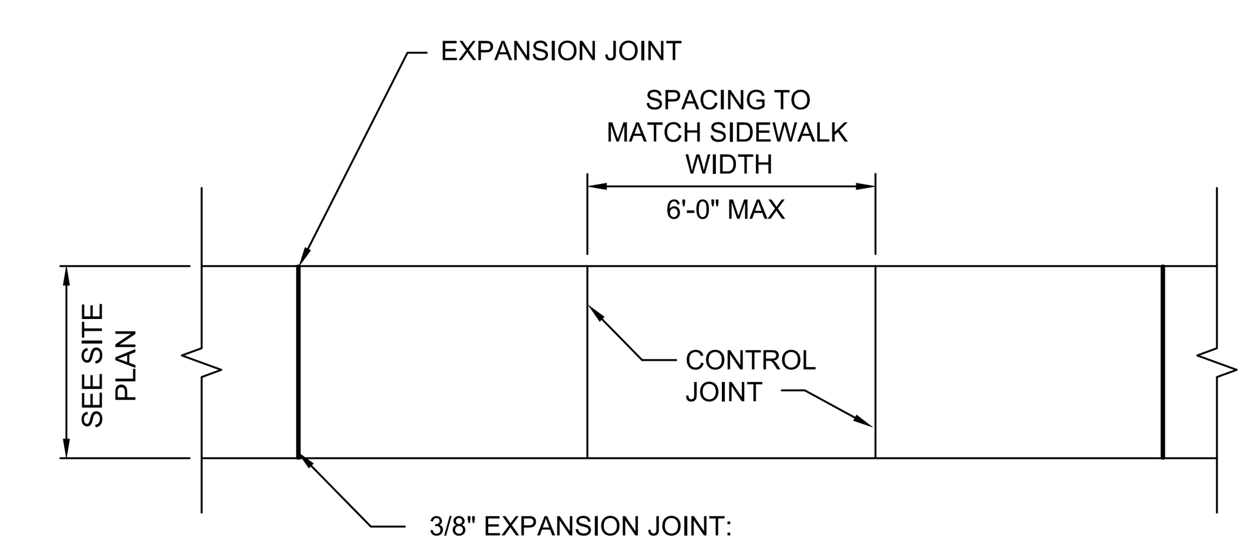
NOTES:

1. JOINTS SHALL BE LOCATED AS SHOWN ON THE PLANS OR 15'-0" OC EW (MAX).
2. JOINT DEPTH = 2 1/2" (MAX)

CONTROL JOINT

NOT TO SCALE





NOTES:

1. MINIMUM THICKNESS = 4".
2. PROVIDE EXPANSION JOINTS @ INTERSECTIONS OF WALKS AND WHERE WALK ABUTTS OTHER STRUCTURES.
3. 4000 PSI MINIMUM CONCRETE FOR 28 DAY STRENGTH.
4. SIDEWALKS TO HAVE BROOM FINISH.
5. CONTROL JOINTS TO BE SAWED TO A MINIMUM DEPTH OF 1".
6. SMOOTH TROWEL 3" "PICTURE FRAME" EDGE, TYP.

CONCRETE SIDEWALK

NOT TO SCALE

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PROFESSIONAL SEAL

REVISION RECORD

NO.	DATE	DESCRIPTION	BY

PROJECT NAME: MCBRYDE FIRE LANE SITE IMPROVEMENTS FOR UNIVERSITY OF SOUTH CAROLINA COLUMBIA, SOUTH CAROLINA

DRAWING TITLE: DETAILS SHEET PROJECT # FP00000292

PROJ. MGR.:	BET
DESIGN BY:	MDJ
DRAWN BY:	BAD
PROJ. DATE:	NOV. 2019

DRAWING NUMBER:

6 OF 6

WKD PROJ. NO.:

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