



Stantec

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GEORGETOWN COUNTY

129 SCREVEN STREET

GEORGETOWN, SC 29442

Tel. (843) 545-3083

BECK RECREATION CENTER

MULTI-PURPOSE FIELDS AND FACILITIES

2030 CHURCH STREET

GEORGETOWN, SC

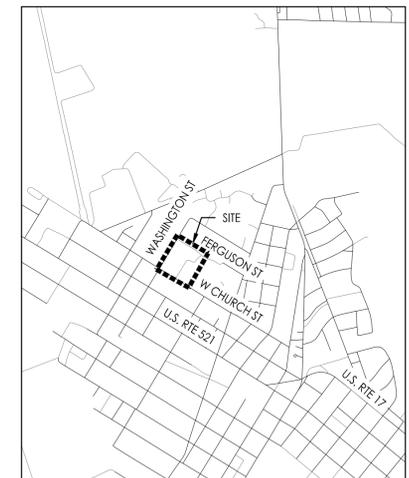
Project Number: 178420882



Know what's below.
Call before you dig.

PROJECT CONTACTS			
SUBJECT	MUNICIPALITY / UTILITY PROVIDER	CONTACT	TELEPHONE
PLANNING	CITY OF GEORGETOWN PLANNING	RICK MARTIN	(843) 545-4010
WATER	CITY OF GEORGETOWN UTILITIES	ORLANDO ARTEAGA	(843) 545-4500
SEWER	CITY OF GEORGETOWN UTILITIES	ORLANDO ARTEAGA	(843) 545-4500
ELECTRICAL POWER	CITY OF GEORGETOWN - ELECTRIC UTILITY	ALAN LOVELESS	(843) 545-4600
NPDES LAND DIST.	SCDHEC - COASTAL STORMWATER PERMITTING	JACK "BO" ELLIS	(843) 953-0249

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C9	SITE DETAILS
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LOCATION MAP
1" = 2000'



This drawing is not to be used for construction purposes unless signed and sealed by the Engineer of Record and stamped "Approved For Construction." Use of this drawing for quantity take-offs and pricing is preliminary until all applicable permits have been obtained.

01 PER SCDHEC COMMENTS	MW	JL	19.04.08
Revision	By	Appd.	YY.MM.DD
FOR BID	KV	JL	19.04.12
Issued	By	Appd.	YY.MM.DD
File Name: 882-COVER.dwg	BT	JLL	KRV
	Dwn.	Chkd.	Dsgn.
			18.08.28
			YY.MM.DD

Legend

- (DC) DUST CONTROL
- (TS) TEMPORARY SEEDING
- (M) MULCH
- (PS) PERMANENT STABILIZATION (SEE LANDSCAPE PLAN)
- PB POROUS BAFFLES
- ST SEDIMENT TUBE
- A TYPE A INLET PROTECTION
- LD LIMITS OF DISTURBANCE/CLEARING LIMITS
- SF SINGLE ROW SILT FENCE
- DR DOUBLE ROW SILT FENCE
- 15 EXISTING CONTOUR
- 20 PROPOSED CONTOUR
- TF TREE PROTECTION FENCE
- STONE CONSTRUCTION ENTRANCE
- CA CONCRETE WASHOUT AREA
- DSW DIVERSION SWALE ARROW

Notes

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01 PER SCDHEC COMMENTS MW JL 19.04.08

Revision By Appd. YY.MM.DD

FOR BID KRJ JLL 19.04.12

Issued By Appd. YY.MM.DD

File Name: Dwn. Chkd. Dgn. YY.MM.DD

Permit-Seal



Client/Project
GEORGETOWN COUNTY

BECK RECREATION CENTER

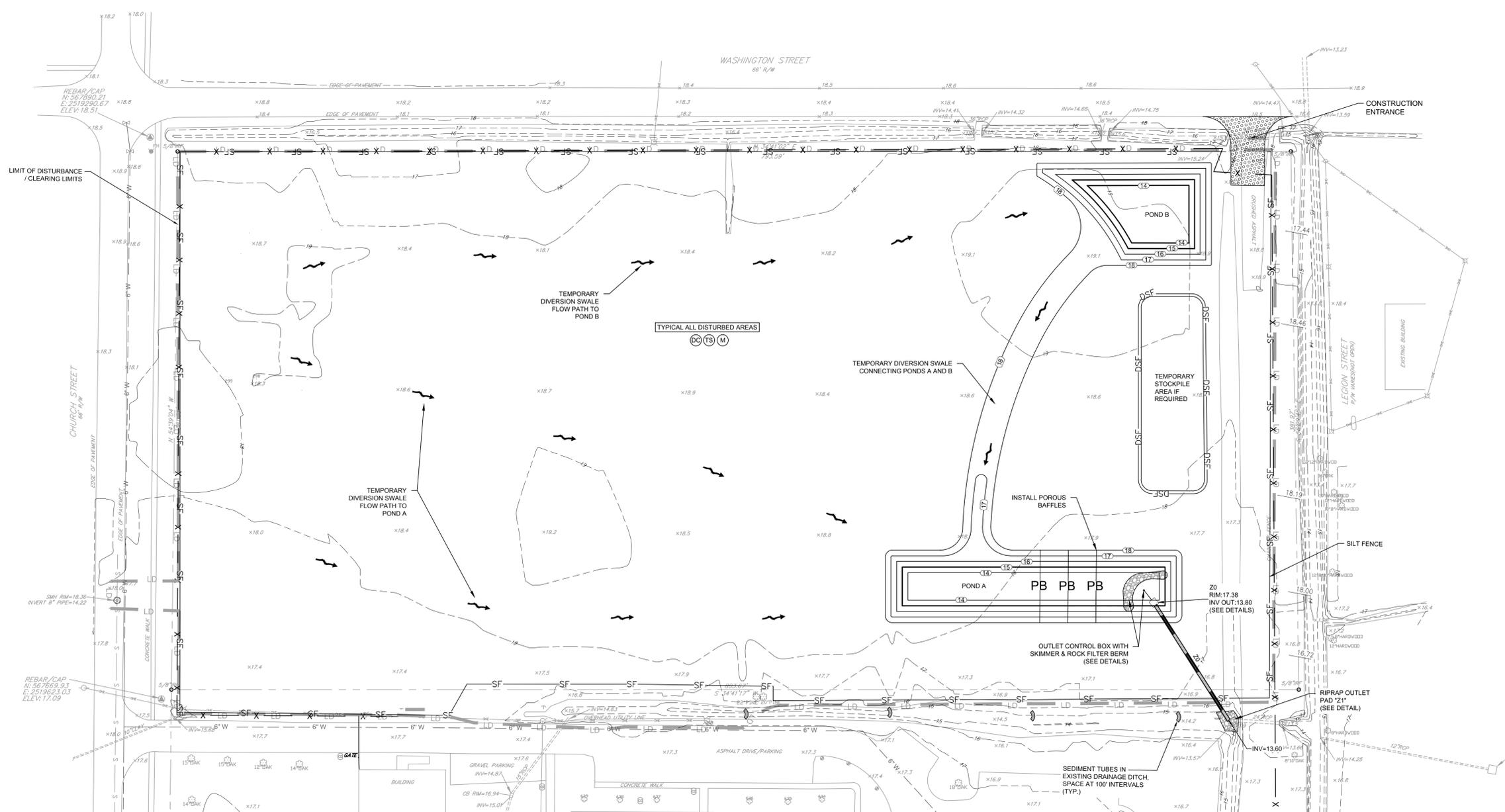
GEORGETOWN, SC

Title
EROSION AND SEDIMENT CONTROL PLAN - PHASE 1

Project No. 178420882 Scale 1" = 40'

Drawing No. Sheet of Revision

C3 of



TOTAL DISTURBED AREA
8.50 ACRES

PHASE 1 - SEQUENCE OF CONSTRUCTION:

1. RECEIVE NPDES COVERAGE FROM DHEC
2. PRE-CONSTRUCTION MEETING ON-SITE.
3. NOTIFY DHEC EQC REGIONAL OFFICE 48 HOURS PRIOR TO BEGINNING LAND-DISTURBING ACTIVITIES.
4. INSTALLATION OF CONSTRUCTION ENTRANCES.
5. INSTALLATION OF PERIMETER CONTROLS (E.G., SILT FENCE).
6. CONSTRUCTION OF WATER QUALITY PONDS.
7. INSTALL DIVERSION SWALES/BERMS AS NECESSARY TO DIVERT RUNOFF.
8. CLEAR PROJECT TO LIMITS AS SHOWN.
9. CONTINUE TO PHASE 2.

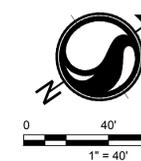
SWPPP NOTES:

1. STORM WATER POLLUTION PREVENTION PLAN MUST BE KEPT ON SITE OR WITHIN THIRTY MINUTES OF THE SITE AT ALL TIMES, AND IN A DESIGNATED AREA THAT IS ACCESSIBLE TO THE INSPECTORS.
2. THE PROPERTY OWNER SHALL MAINTAIN ALL STORM WATER DETENTION FACILITIES SHOWN HEREON.
3. SWPPP SHOULD INCLUDE A CONCRETE WASHOUT/STAGING AREA FOR SITE AND BUILDING CONSTRUCTION AND ALL OTHER PURPOSES OF THE DEVELOPMENT TO INCLUDE BUT NOT LIMITED TO PAINTERS.
4. A CERTIFIED STORM WATER AS-BUILT MUST BE SUBMITTED TO DHEC PRIOR TO RECEIVING A NOTICE OF TERMINATION.
5. SITE MUST BE BUILT ACCORDING TO APPROVED DHEC PLANS UNLESS SWPPP DOCUMENTS ARE UPDATED BY THE ORIGINAL SWPPP PREPARER, OTHERWISE, PERMITS WILL BE INVALIDATED.
6. NO OBSTRUCTIONS, INCLUDING BUT NOT LIMITED TO FENCES, DIRT MOUNDS, AND/OR THE LANDSCAPING OF BUSHES, SHRUBS AND TREES, MAY BE PERMITTED AND/OR BUILT WITHIN ANY SWALE AND/OR DRAINAGE EASEMENT.

GRADING AND DRAINAGE NOTES:

1. CONTRACTOR IS RESPONSIBLE FOR PROVIDING 90% COVERAGE OF PERMANENT GRASS GROWTH ON ALL UN-PAVED DISTURBED AREAS.

Know what's below.
Call before you dig.



Legend

- (DC) DUST CONTROL
- (TS) TEMPORARY SEEDING
- (M) MULCH
- (PS) PERMANENT STABILIZATION (SEE LANDSCAPE PLAN)
- TC — TURBIDITY CURTAIN
- ST — SEDIMENT TUBE
- [A] TYPE A INLET PROTECTION
- LD — LIMITS OF DISTURBANCE/CLEARING LIMITS
- SF — SINGLE ROW SILT FENCE
- SR — DOUBLE ROW SILT FENCE
- 15 — EXISTING CONTOUR
- 20 — PROPOSED CONTOUR
- — TREE PROTECTION FENCE
- [] STONE CONSTRUCTION ENTRANCE
- [] CONCRETE WASHOUT AREA

Notes

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01 PER SCDHEC COMMENTS MW JL 19.04.08

Revision By Appd. YY.MM.DD

FOR BID KRJ JLL 19.04.12

Issued By Appd. YY.MM.DD

File Name: Dwn. Chkd. Dsgn. YY.MM.DD

Permit-Seal



Client/Project
GEORGETOWN COUNTY

BECK RECREATION CENTER

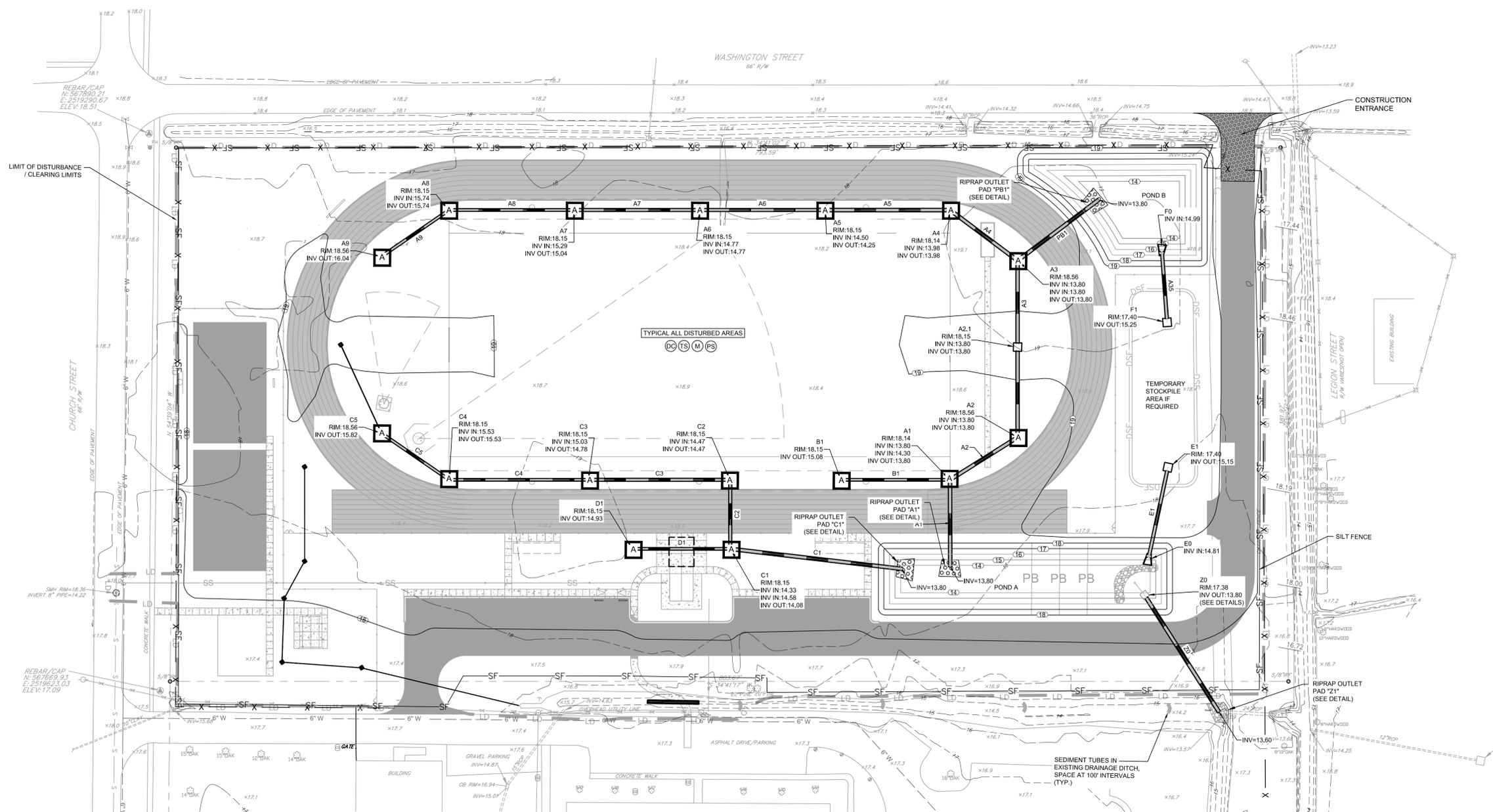
GEORGETOWN, SC

Title
EROSION AND SEDIMENT CONTROL PLAN - PHASE 2

Project No. 178420882 Scale 1" = 40'

Drawing No. Sheet of Revision

C4 of



TOTAL DISTURBED AREA
8.50 ACRES

PHASE 2 - SEQUENCE OF CONSTRUCTION:

1. MAINTAIN PHASE 1 EROSION AND SEDIMENT CONTROLS.
2. ROUGH GRADING AND INSTALLATION OF PIPE NETWORKS.
3. INSTALL TYPE A INLET PROTECTION AT CATCH BASINS AS THEY ARE INSTALLED.
4. PERMANENT/FINAL STABILIZATION.
5. MAINTENANCE OF SEDIMENT AND EROSION CONTROL MEASURES MUST CONTINUE UNTIL THE SITE IS PERMANENTLY STABILIZED AND THE CONTROLS ARE REMOVED.
6. AS-BUILT AND CLOSE-OUT APPLICATION TO BE SUBMITTED FOR REVIEW AND APPROVAL.
7. REMOVAL OF TEMPORARY SEDIMENT AND EROSION CONTROL MEASURES AFTER ENTIRE AREA DRAINING TO THE STRUCTURE IS FINALLY STABILIZED THE DEPARTMENT RECOMMENDS THAT THE PROJECT OWNER/OPERATOR HAVE THE SWPPP PREPARER OR REGISTRATION EQUIVALENT APPROVE THE REMOVAL OF TEMPORARY STRUCTURES).
8. SUBMIT TO DHEC FOR NOT.

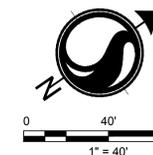
SWPPP NOTES:

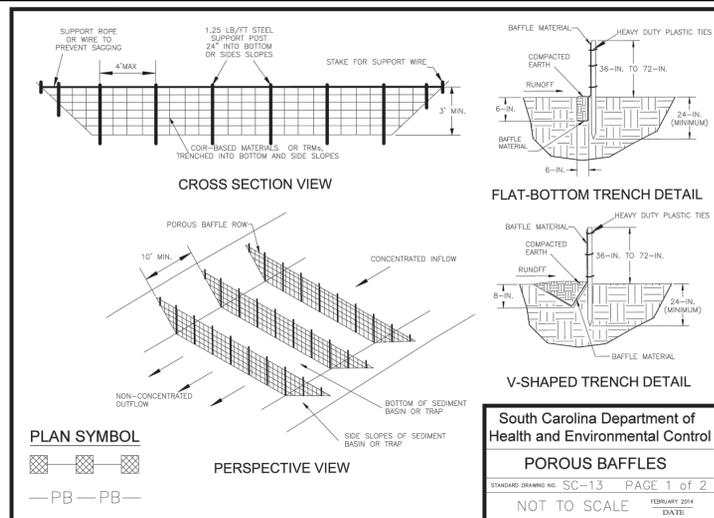
1. STORM WATER POLLUTION PREVENTION PLAN MUST BE KEPT ON SITE OR WITHIN THIRTY MINUTES OF THE SITE AT ALL TIMES, AND IN A DESIGNATED AREA THAT IS ACCESSIBLE TO THE INSPECTORS.
2. THE PROPERTY OWNER SHALL MAINTAIN ALL STORM WATER DETENTION FACILITIES SHOWN HEREON.
3. SWPPP SHOULD INCLUDE A CONCRETE WASHOUT/STAGING AREA FOR SITE AND BUILDING CONSTRUCTION AND ALL OTHER PURPOSES OF THE DEVELOPMENT TO INCLUDE BUT NOT LIMITED TO PAINTERS.
4. A CERTIFIED STORM WATER AS-BUILT MUST BE SUBMITTED TO DHEC PRIOR TO RECEIVING A NOTICE OF TERMINATION.
5. SITE MUST BE BUILT ACCORDING TO APPROVED DHEC PLANS UNLESS SWPPP DOCUMENTS ARE UPDATED BY THE ORIGINAL SWPPP PREPARER, OTHERWISE, PERMITS WILL BE INVALIDATED.
6. NO OBSTRUCTIONS, INCLUDING BUT NOT LIMITED TO FENCES, DIRT MOUNDS, AND/OR THE LANDSCAPING OF BUSHES, SHRUBS AND TREES, MAY BE PERMITTED AND/OR BUILT WITHIN ANY SWALE AND/OR DRAINAGE EASEMENT.

GRADING AND DRAINAGE NOTES:

1. CONTRACTOR IS RESPONSIBLE FOR PROVIDING 90% COVERAGE OF PERMANENT GRASS GROWTH ON ALL UN-PAVED DISTURBED AREAS.

Know what's below.
Call before you dig.





South Carolina Department of Health and Environmental Control
POROUS BAFFLES
STANDARD DRAWING NO. SC-13 PAGE 1 of 2
FEBRUARY 2014 DATE
NOT TO SCALE

BAFFLES - POST REQUIREMENTS

1. Porous baffle posts must be 60-inch to 96-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.
 - Weigh 1.25 pounds per foot (± 8%).
2. Posts shall be equipped with projections to aid in fastening of baffle material.
3. 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.
4. Post spacing shall be at a maximum of 4-feet on center.

BAFFLES - MATERIAL REQUIREMENTS

1. Baffle material must be composed of coil-based materials or Turf Reinforcement Matting (TRM) that consists of the following requirements:
 - Have a light penetration (5% openings) between 10- to 20%.
 - Free of loose straw material.
 - Have a minimum tensile strength of 145 lb/ft. and,
 - Have a minimum width of 48-inches.
2. 12-inches of the fabric should be placed within excavated trench and toed in when the trench is backfilled or baffle material may be sloped into ground by using 12-inch staples with a maximum spacing of 12-inches.
3. Baffle material shall be purchased in continuous rolls and cut to the width of the sediment basin or trap to avoid joints.

BAFFLES - GENERAL NOTES

1. Attach baffle to the steel posts using heavy-duty plastic ties that are evenly spaced along the above ground portion of each post.
2. Install the baffle rows perpendicular to the direction of the stormwater flow and place each baffle the proper distance from inlet and outlets to allow access for maintenance and clean-out.

BAFFLES - INSPECTION & MAINTENANCE

1. The key to functional porous baffles is weekly inspection, routine maintenance, and regular sediment removal.
2. Regular inspections of porous baffles 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.
3. Attention to sediment accumulations along each row of baffles 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 baffle row or when it reaches the clean-out height of the sediment basin or trap, whichever is reached first.
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. Check for areas where stormwater runoff has eroded a channel beneath each row of baffles, or where the baffle has sagged or collapsed due to runoff overtopping the baffle.
7. Check for tears/rips within the baffles, areas where the baffle has begun to decompose, and for any other circumstance that may render the baffle ineffective. Removed damaged baffles and reinstall new baffles immediately.
8. Porous baffles 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
POROUS BAFFLES
STANDARD DRAWING NO. SC-13 PAGE 2 of 2
FEBRUARY 2014 DATE
GENERAL NOTES

SEEDING SCHEDULE

PERMANENT VEGETATION SCHEDULE

PERMANENT VEGETATION IS TO COMPLY WITH LANDSCAPE PLANS. SEE LANDSCAPE SHEETS.

TEMPORARY / COVER CROP VEGETATION SCHEDULE

	RATE	OPTIMUM DATES TO PLANT	REMARKS
BROWNTOP MILLET	5 - 10 LBS. / ACRE	APRIL 20 - AUGUST 15	QUICK, DENSE COVER
WINTER RYE GRASS	10 LBS. / 1,000 SQUARE FEET	AUGUST 10 - OCTOBER 10	COMPETITIVE, DENSE

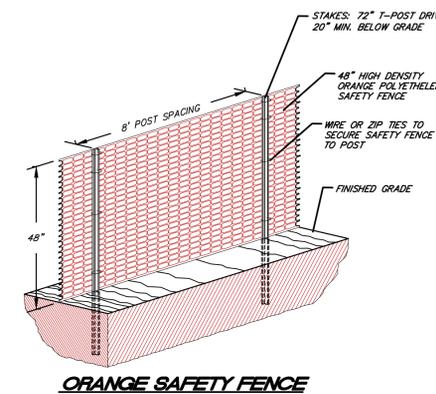
* FOR DETAILS ON MIXES CONSULT THE CHARLESTON SOIL AND WATER CONSERVATION DISTRICT

GENERAL SEEDING NOTES:

1. CONTRACTOR SHALL PROVIDE SOIL TESTS TO ENSURE SOIL PH AND NUTRIENT LEVELS. FOLLOW RECOMMENDATIONS OF SOIL TESTING FOR THE ESTABLISHMENT OF NEW LAWN - PER CHARLESTON COUNTY CLEMSON EXTENSION SERVICES OR OTHER REPUTABLE TESTING AGENCY.
2. SEED AT RECOMMENDED RATE FOR LAWN / TURF ESTABLISHMENT PER TABLE OR PER MANUFACTURERS RECOMMENDATION FOR ESTABLISHMENT OF TURF LAWN. PROVIDE SEED WITH A 90% PURITY RATE AND AN 85% GERMINATION RATE.
3. PROVIDE COVER CROP FOR ESTABLISHMENT BASED ON TIME OF YEAR TO ENSURE IMMEDIATE STABILIZATION AND COVER UNTIL PERMANENT BERMUDA / TURF IS ABLE TO GERMINATE AND BE ESTABLISHED.

STABILIZATION SEEDING NOTES

N.T.S.



ORANGE SAFETY FENCE
N.T.S.

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Revision	By	Appd.	YY.MM.DD
01 PER SCDHEC COMMENTS	MW	JL	19.04.08

FOR BID	By	Appd.	YY.MM.DD
Issued	KRV	JLL	19.04.12

File Name:	Dwn.	Chkd.	Dgn.	YY.MM.DD
Permit-Seal				



Client/Project
GEORGETOWN COUNTY

BECK RECREATION CENTER

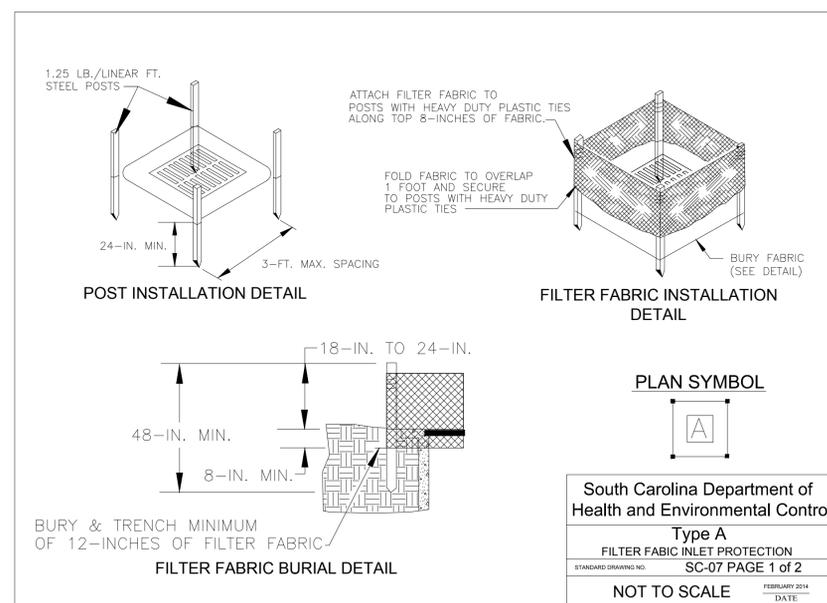
GEORGETOWN, SC

Title

EROSION CONTROL DETAILS

Project No.	Scale	
178420882	AS NOTED	
Drawing No.	Sheet	Revision

C6 of



South Carolina Department of Health and Environmental Control
Type A FILTER FABRIC INLET PROTECTION
STANDARD DRAWING NO. SC-07 PAGE 1 of 2
FEBRUARY 2014 DATE
NOT TO SCALE

TYPE A - FILTER FABRIC REQUIREMENTS

1. 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.
2. 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.
3. 12-inches of the fabric should be placed within excavated trench and toed in when the trench is backfilled.
4. Filter fabric shall be purchased in continuous rolls and cut to the length of the barrier to avoid joints.
5. Filter fabric shall be installed at a minimum of 24-inches above the ground.

TYPE A - POST REQUIREMENTS

1. Silt fence posts must be 45-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.
 - Weigh 1.25 pounds per foot (± 8%).
2. Posts shall be equipped with projections to aid in fastening of filter fabric.
3. 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.
4. Post spacing shall be at a maximum of 3-feet on center.

TYPE A - INSPECTION & MAINTENANCE

1. The key to functional inlet protection is weekly inspections, routine maintenance, and regular sediment removal.
2. 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.
3. Attention to sediment accumulations along the filter fabric 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 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.
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. 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.
7. 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.
8. 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.

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



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Client/Project
GEORGETOWN COUNTY

BECK RECREATION CENTER

GEORGETOWN, SC

Title

SITE LAYOUT PLAN

Project No. 178420882 Scale 1" = 40'

Drawing No. Sheet of Revision

C8

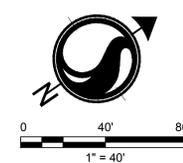
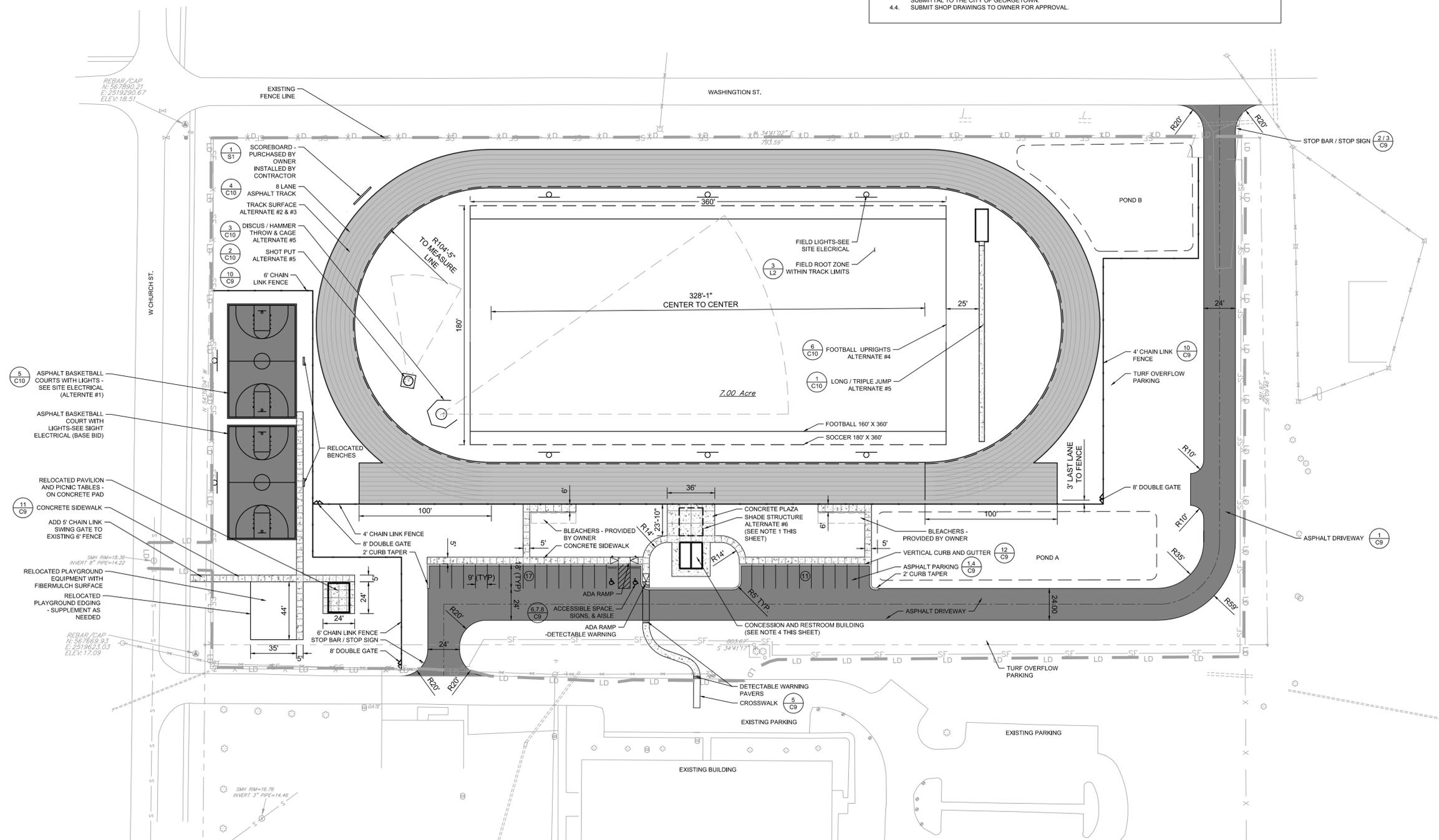
of

SITE NOTES

- VERTICAL ROOF CARPORT W/ 2' BRACES
17X20' FRAME SIZE; 12 GAUGE FRAME; 8' EAVE HEIGHT
PROVIDE CERTIFIED PACKAGE
MOUNT FLUSH WITH CONCRETE PAVEMENT
SUBMIT SHOP DRAWINGS AND RANGE OF COLORS FOR APPROVAL
SHADE STRUCTURE BY CAROLINA CARPORTS OR APPROVED EQUAL
1-800-670-4262 / WWW.CAROLINA-CARPORTS.COM
- FIELD:
 - SHALL BE A CERTIFIED FIELD BUILDER WITH A DEMONSTRATED ABILITY TO SUCCESSFULLY CONSTRUCT PROFESSIONAL-QUALITY SPORTS TURF VENUES
 - SHALL HAVE RENOVATED OR CONSTRUCTED A MINIMUM OF 5 SPORTS TURF FACILITIES WITHIN THE LAST 10 YEARS.
- TRACK:
 - SHALL BE A CERTIFIED TRACK BUILDER WITH A DEMONSTRATED ABILITY TO SUCCESSFULLY CONSTRUCT PROFESSIONAL-QUALITY SPORTS TURF VENUES
 - SHALL HAVE RENOVATED OR CONSTRUCTED A MINIMUM OF 5 TRACK FACILITIES WITHIN THE LAST 10 YEARS.
- CONCESSION AND RESTROOM BUILDING:
 - BASIS OF DESIGN IS CXT CORTEZ MODEL OR APPROVED EQUAL - SEE SAMPLE CXT BUILDING PLANS PROVIDED IN BID PACKAGE - FOR INFORMATION ONLY.
 - CXT / LB FOSTER CONTACT: JEFF CHAMBERS - 1-800-696-5766 EXT. 3280
 - GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WITH VENDOR FOR ENGINEERED / STAMPED DRAWINGS OF BUILDING. GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION OF BUILDING PERMIT SUBMITTAL TO THE CITY OF GEORGETOWN.
 - SUBMIT SHOP DRAWINGS TO OWNER FOR APPROVAL.

SITE SUMMARY

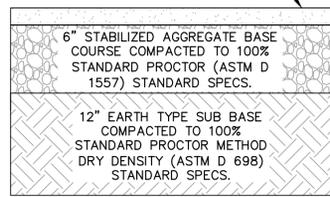
CITY OF GEORGETOWN
TMS# 05-0008-077-01-00
ZONING: PS - PUBLIC SERVICES
ACREAGE: 7.00 ACRES
SETBACKS:
REAR - 10'
SIDE (WASHINGTON STREET) - 12'
PARKING REQUIRED: 19 SPACES
1 SPACE PER 4 PEOPLE (75 / 4 = 19 SPACES)
PARKING PROVIDED: 28 SPACES
25 STANDARD
2 ACCESSIBLE



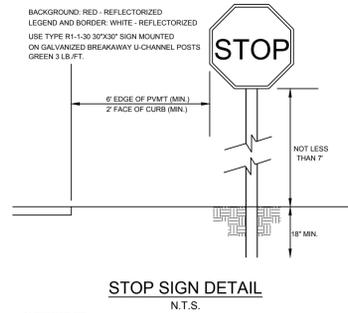
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2019/04/25 10:30 AM Br. Volinogin, kenny

NOTE:
FOR MORE INFORMATION REGARDING EXISTING SUBGRADE SOILS, REFER TO GEOTECHNICAL REPORT BY TERRACON DATED JANUARY 25, 2019.

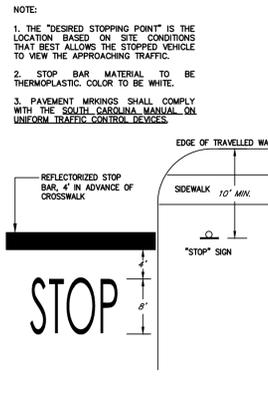
2.0" ASPHALT CONCRETE SURFACE COURSE
SCDOT TYPE C
(SECTION 403, SCDOT 2007 STANDARD SPECS).



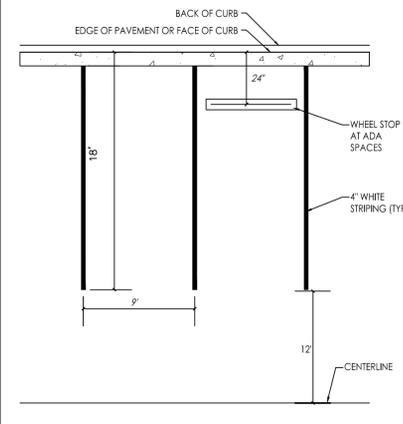
1 ASPHALT PAVEMENT SECTION
N.T.S.



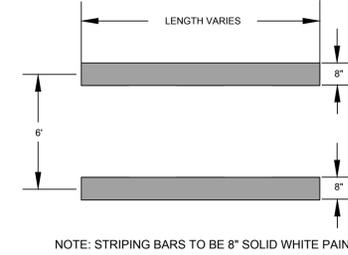
2 STOP SIGN DETAIL
N.T.S.



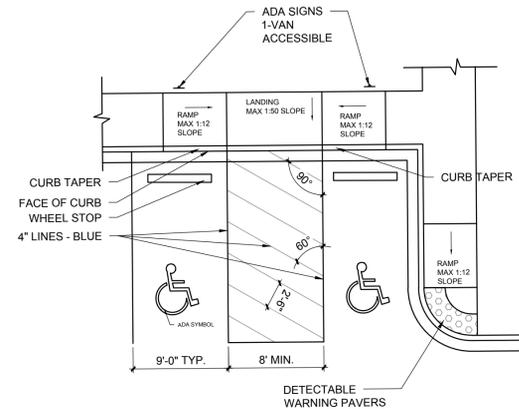
3 STOP BAR DETAIL
N.T.S.



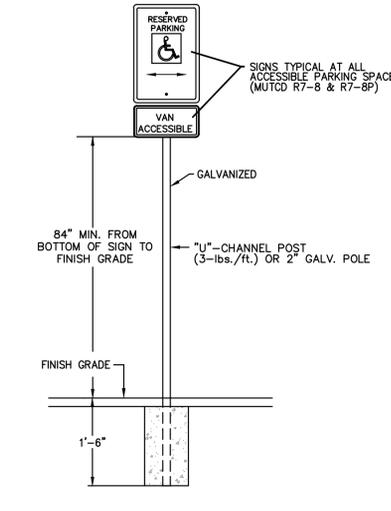
4 90° PARKING SPACE
N.T.S.



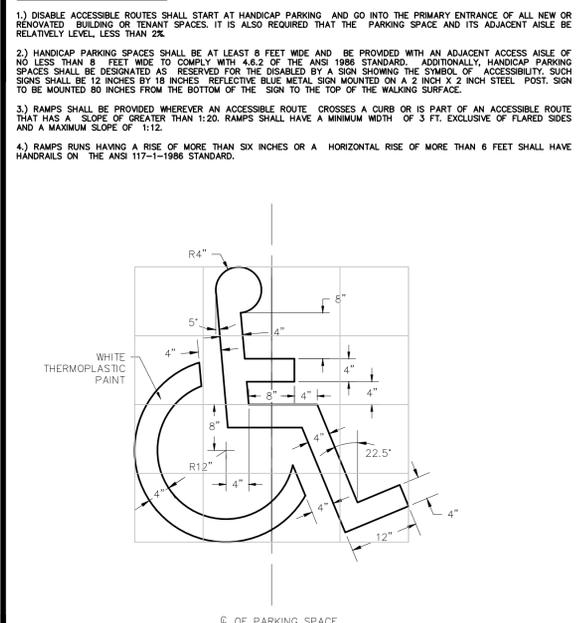
5 CROSS WALK STRIPING DETAIL
N.T.S.



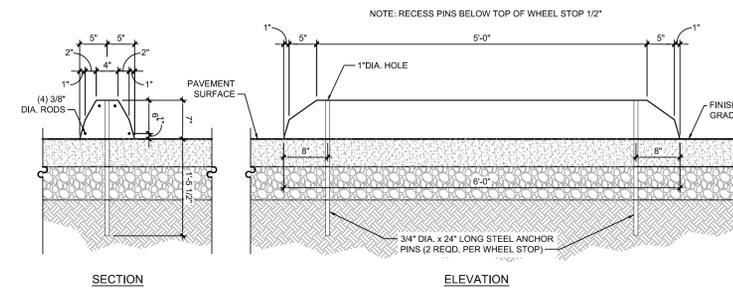
6 ADA - PARKING SPACE
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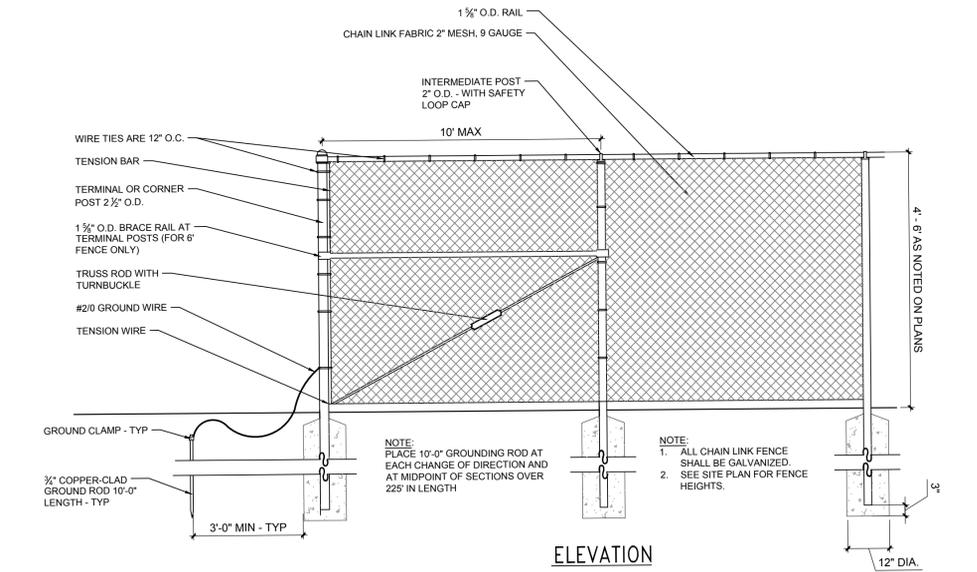
7 ADA - PARKING SIGN
N.T.S.



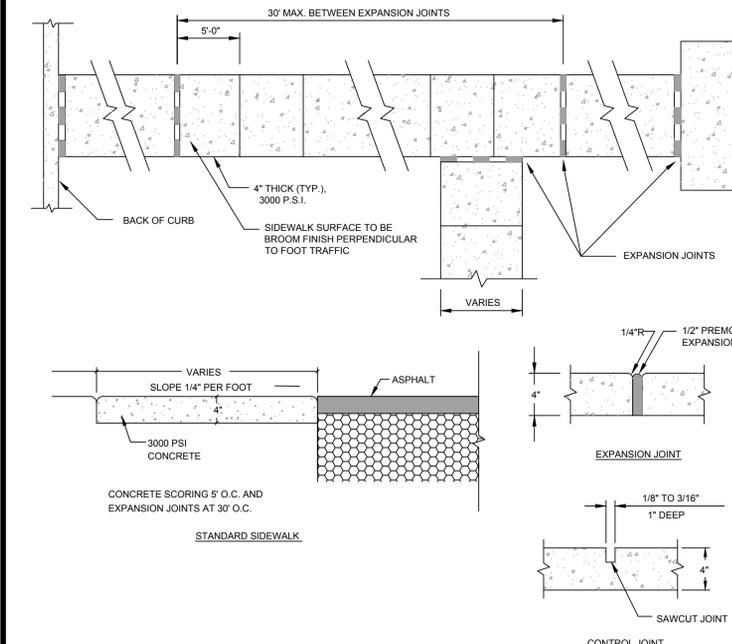
8 ADA - PARKING SYMBOL
N.T.S.



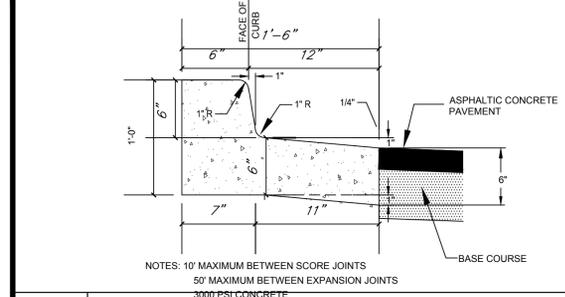
9 CONCRETE WHEEL STOP
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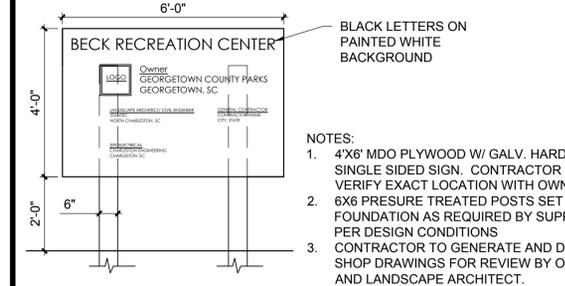
10 CHAINLINK FENCE
N.T.S.



11 CONCRETE SIDEWALK DETAILS
N.T.S.



12 CURB AND GUTTER
N.T.S.



13 CONSTRUCTION SITE SIGN
N.T.S.

Notes

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01 PER SCDHEC COMMENTS	MW	JL	19.04.08
Revision	By	Appd.	YY.MM.DD

FOR BID	KRV	JLL	19.04.12
Issued	By	Appd.	YY.MM.DD

File Name:	Dwn.	Chkd.	Desgn.	YY.MM.DD
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Permit-Seal

Client/Project	GEORGETOWN COUNTY		
	BECK RECREATION CENTER		
	GEORGETOWN, SC		
Title	SITE DETAILS		
Project No.	178420882	Scale	AS NOTED
Drawing No.	C9	Sheet	of
		Revision	0

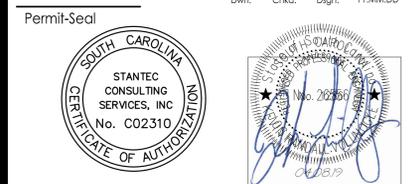
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Revision	By	Appd.	YY.MM.DD

FOR BID	KRV	JLL	19.04.12
Issued	By	Appd.	YY.MM.DD

File Name:	Dwn.	Chkd.	Dsgn.	YY.MM.DD
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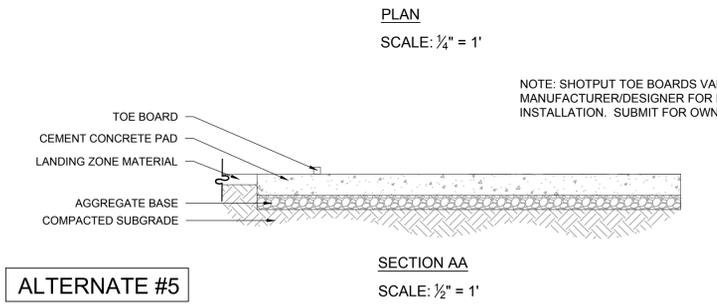
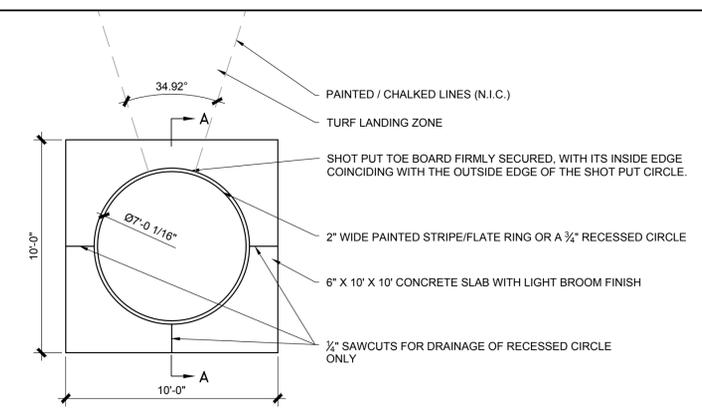


Client/Project
GEORGETOWN COUNTY
BECK RECREATION CENTER
GEORGETOWN, SC

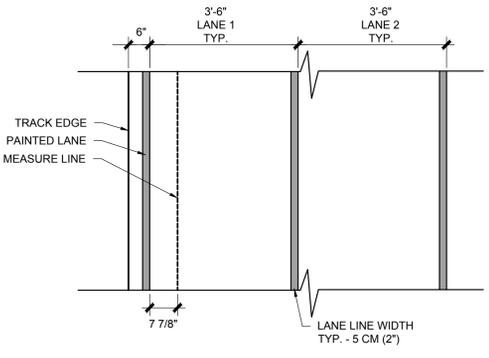
Title
SITE DETAILS

Project No.	Scale
178420882	AS NOTED
Drawing No.	Sheet
C10	of

Revision	0
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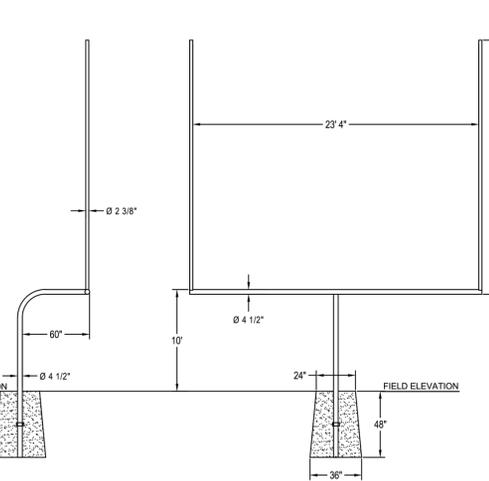
ALTERNATE #5
SHOT PUT
SCALE: AS NOTED



NOTES:
TRACK SHALL BE BUILT BY CERTIFIED TRACK BUILDER WITH MINIMUM 5 YEARS EXPERIENCE.
TRACK SHALL MEET NFHS STANDARDS.
SEE SITE PLAN FOR OVERALL LAYOUT (SUBMIT SHOP DRAWING OF FIELD LAYOUT FOR APPROVAL)

ALTERNATE #2 - ACRYLIC SURFACE
ALTERNATE #3 - EDPM SURFACE

4
TRACK
SCALE: 1/2"=1'

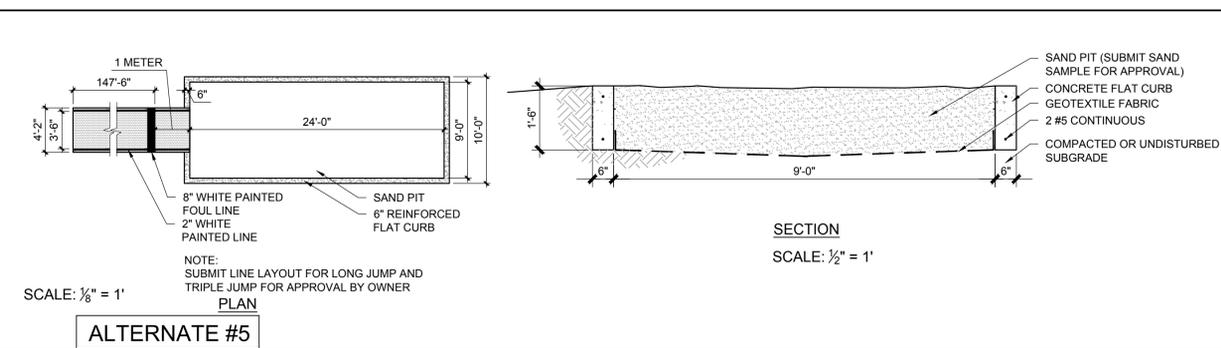


BISON MODEL FB45HS OR APPROVED EQUAL
EMBED MOUNTING
COLOR - YELLOW
WWW.BISON.COM
1-800-247-7668

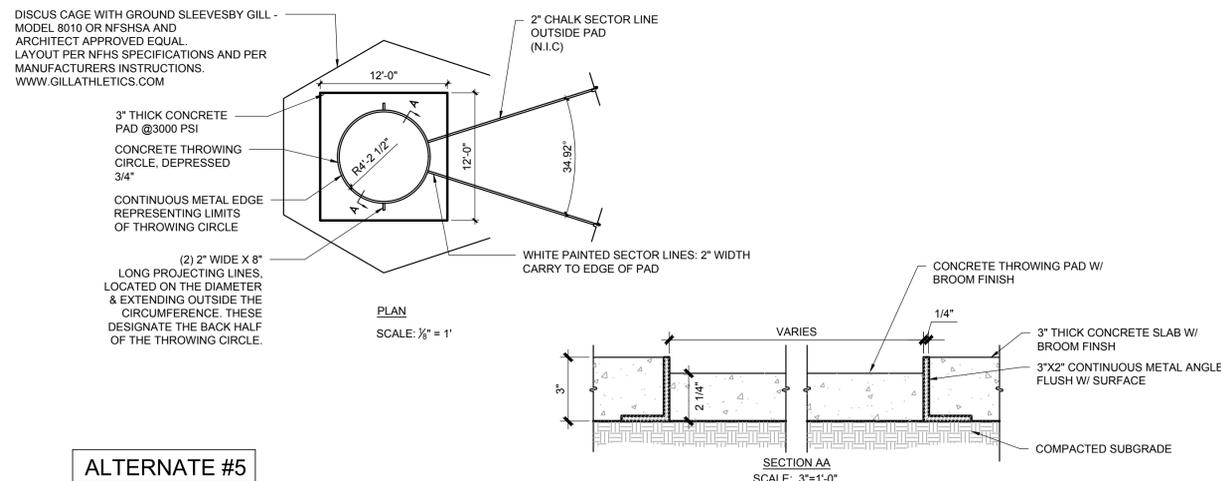
Goalposts shall meet all National High School Federation rules. Goalposts shall be of the single bent post design and provide a minimum of 60" of setback from the front of the post to the front of the horizontal crossbar. The bent post shall be a minimum of 4" schedule 40 (4 1/2" outside diameter) ASTM A500 grade C structural pipe and provide for no less than 48" bury into the ground. A band clamp shall be attached to each pole to eliminate rotation in the concrete footing. Horizontal crossbars shall be no less than 4 1/2" OD flow coated steel tubing with a 7 gauge wall thickness and be of a length to allow uprights to extend upward with official high school 23'4" between the upright members. Two vertical uprights shall rise a minimum of 20' above the top of the crossbar. Uprights shall be constructed of 2 3/8" diameter 6063-T6 aluminum with a minimum 0.154" wall thickness. Uprights shall be connected to each end of the crossbar by means of a machined aluminum insert that allows the angle of the uprights to be adjusted at the time of field installation. The insert design shall allow rain to escape through the insert from the top of the uprights. The crossbar shall be attached to the bent post by means of an adjustable "T" adapter that allows field adjustment of the horizontal crossbar for ease and accuracy of installation. Installation to be completed in accordance to manufacturer's instructions. Do not scale drawings. All steel and aluminum members shall have a polyester powder coated finish (white-WT or safety yellow-SY). All hardware shall be zinc plated grade 5 minimum. Optional features include ground sleeves, safety padding and wind direction flags. Shipping weight approximately 1050#/pair.

ALTERNATE #4
FOOTBALL GOALS
N.T.S.

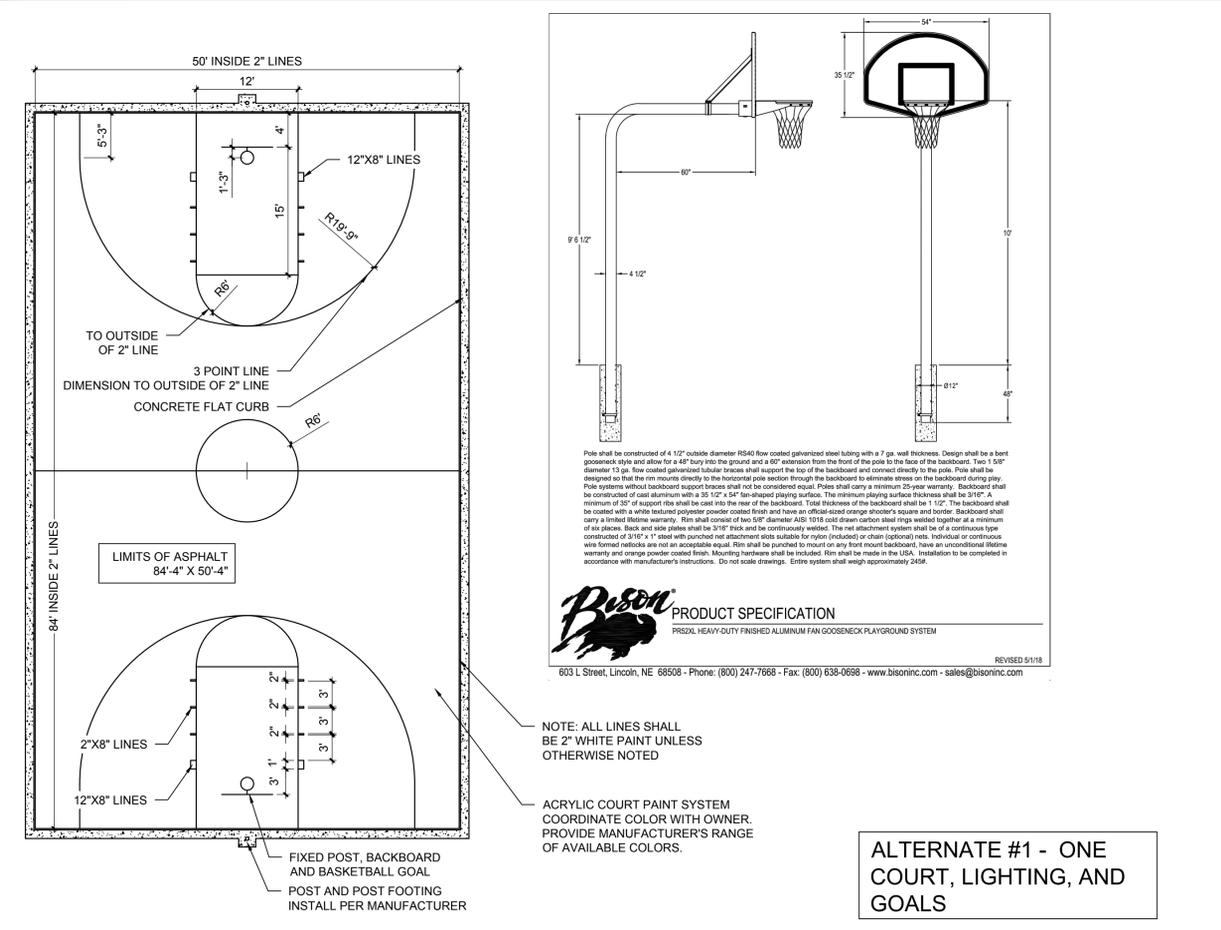
5
BASKETBALL COURT DETAIL
SCALE: 1"=10'



ALTERNATE #5
LONG JUMP/TRIPLE JUMP
SCALE: AS NOTED



ALTERNATE #5
DISCUS/HAMMER THROW
SCALE: AS NOTED



ALTERNATE #1 - ONE COURT, LIGHTING, AND GOALS

V:\178A\active\178420882\proj_development\working\sheet\detail.dwg
2019/04/25 10:39 AM By: Volkmogge, Kevin

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Legend

DRAINAGE FLOW ARROW

DRAINAGE NOTES:

- PIPE MATERIAL:
 - PIPE 12" IN DIAMETER AND GREATER - PIPE SHALL BE HDPE CORRUGATED
 - PIPE 10" IN DIAMETER AND SMALLER - PVC SCHEDULE 40
- DRAINAGE BOXES ARE TO BE NYLOPLAST DRAINAGE BASINS AND INLINE DRAINS, OR APPROVED EQUAL
- GRATES ON ALL BOXES ARE TO BE H-10 PEDESTRIAN RATED 15" SQUARE GRATES
- RCP PIPE AND BOXES MAY BE USED IF DESIRED. BOX GRATES ARE TO MATCH SIZE AND SPECIFICATIONS

Notes

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01 PER SCDHEC COMMENTS MW JL 19.04.08

Revision By Appd. YY.MM.DD

FOR BID KRJ JLL 19.04.12

Issued By Appd. YY.MM.DD

File Name: Dwn. Chkd. Dsgn. YY.MM.DD

Permit-Seal



Client/Project
GEORGETOWN COUNTY

BECK RECREATION CENTER

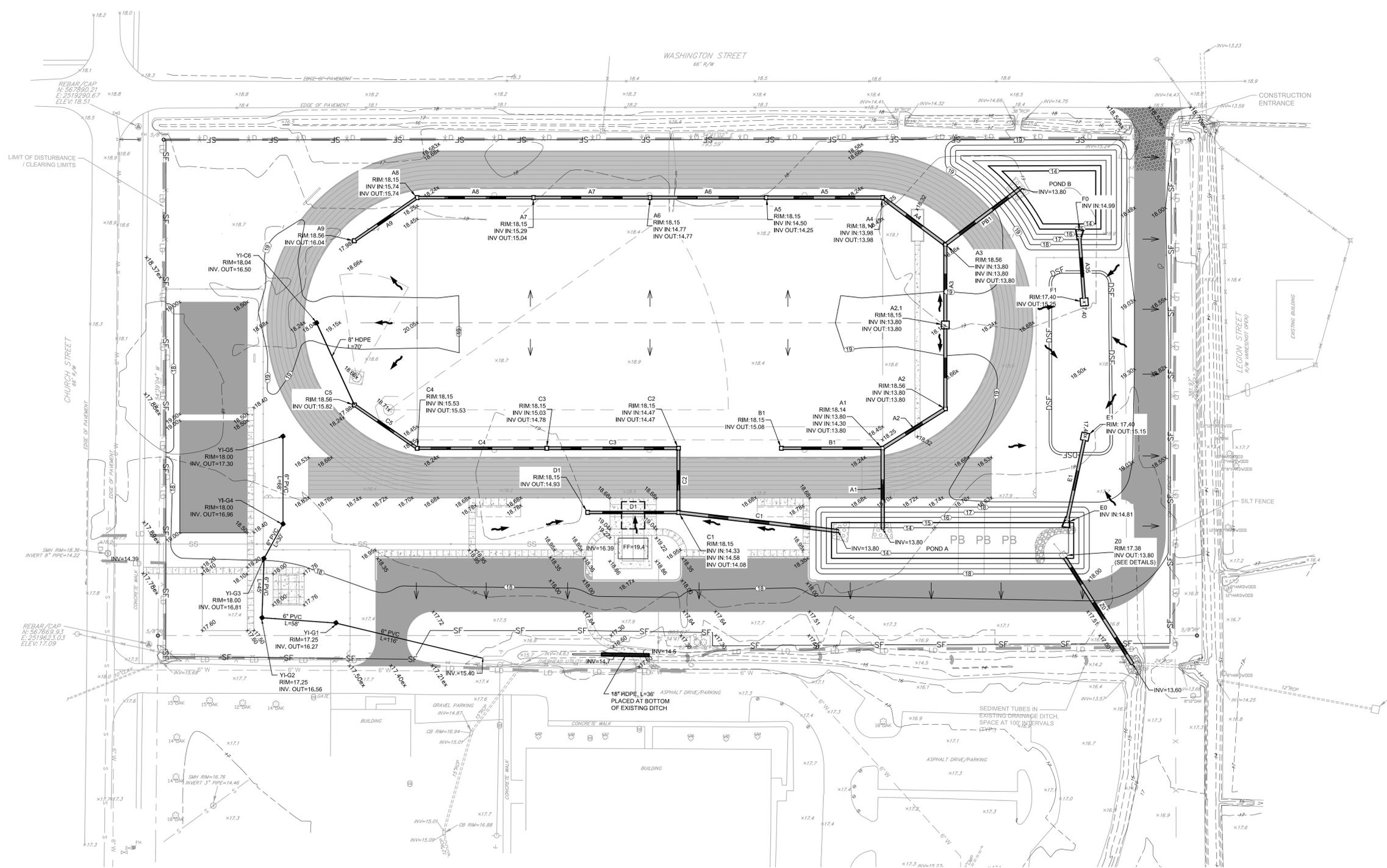
GEORGETOWN, SC

Title
GRADING AND DRAINAGE
PLAN

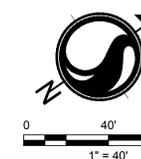
Project No. Scale
178420882 1" = 40'

Drawing No. Sheet of Revision

C11 of



Know what's below.
Call before you dig.



Legend

DRAINAGE NOTES:

- PIPE MATERIAL:
 - PIPE 12" IN DIAMETER AND GREATER - PIPE SHALL BE HDPE CORRUGATED
 - PIPE 10" IN DIAMETER AND SMALLER - PVC SCHEDULE 40
- DRAINAGE BOXES ARE TO BE NYLOPLAST DRAINAGE BASINS AND INLINE DRAINS, OR APPROVED EQUAL
- GRATES ON ALL BOXES ARE TO BE H-10 PEDESTRIAN RATED 15" SQUARE GRATES
- RCP PIPE AND BOXES MAY BE USED IF DESIRED. BOX GRATES ARE TO MATCH SIZE AND SPECIFICATIONS

Notes

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File Name: Dwn. Chkd. Dgn. YY.MM.DD

Permit-Seal



Client/Project
GEORGETOWN COUNTY

BECK RECREATION CENTER

GEORGETOWN, SC

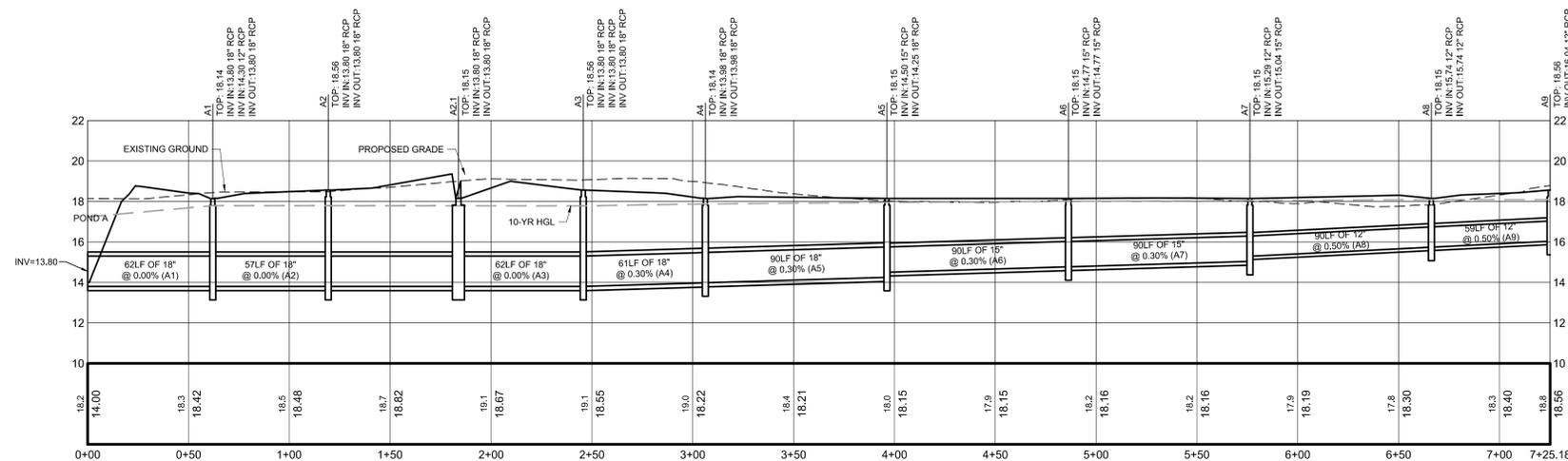
Title

STORM PROFILES

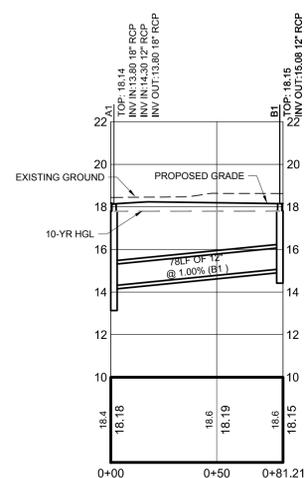
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Scale AS SHOWN

Drawing No. Sheet of Revision

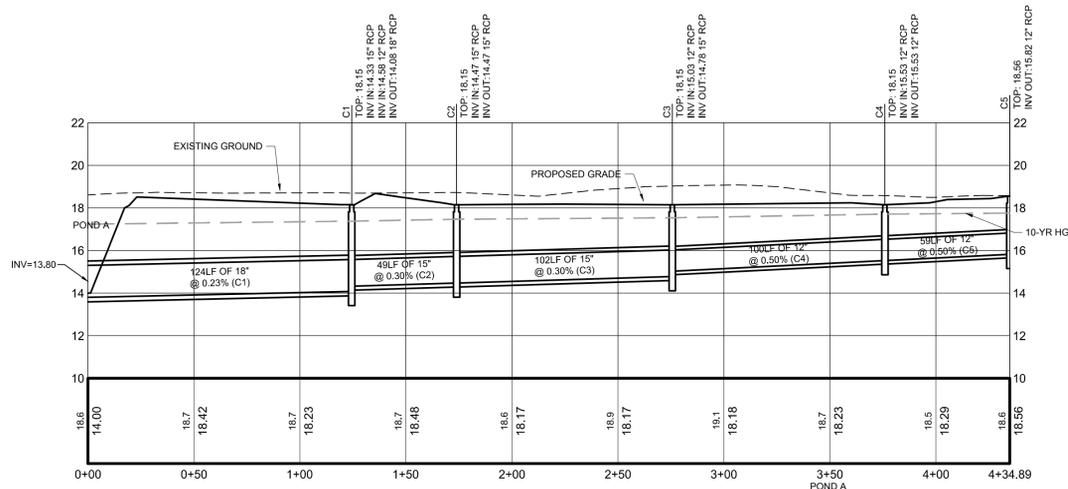
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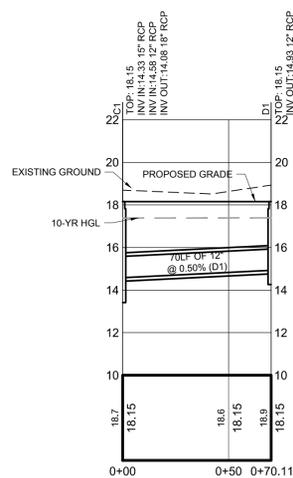
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V: 1"=4'



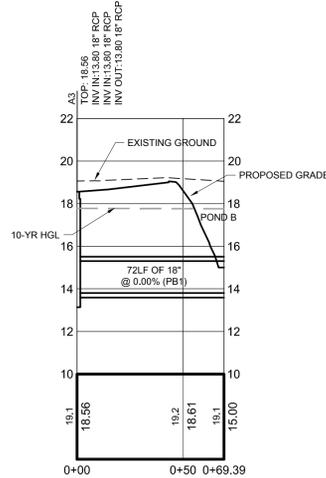
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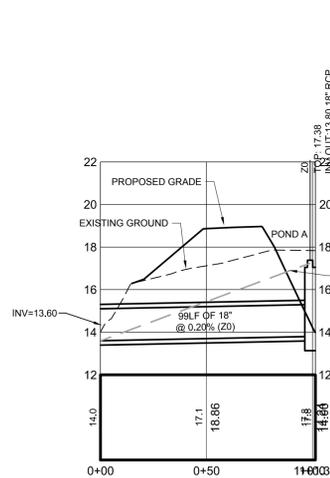
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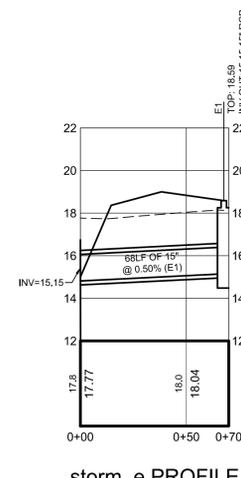
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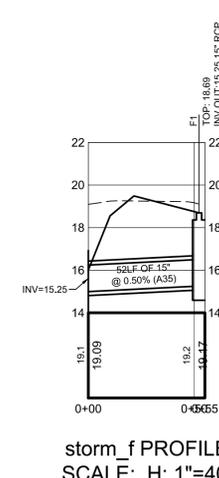
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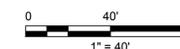
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storm_e PROFILE
SCALE: H: 1"=40'
V: 1"=4'



storm_f PROFILE
SCALE: H: 1"=40'
V: 1"=4'



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FOR BID KRV JLL 19.04.12

Issued By Appd. YY.MM.DD

File Name: Dwn. Chkd. Dsgn. YY.MM.DD

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Client/Project

GEORGETOWN COUNTY

BECK RECREATION CENTER

GEORGETOWN, SC

Title

GRADING AND DRAINAGE

DETAILS

Project No. Scale

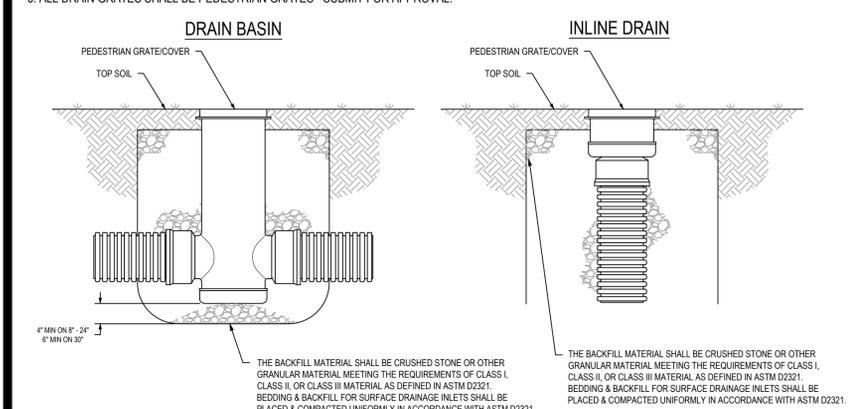
178420882 AS NOTED

Drawing No. Sheet Revision

C13 of

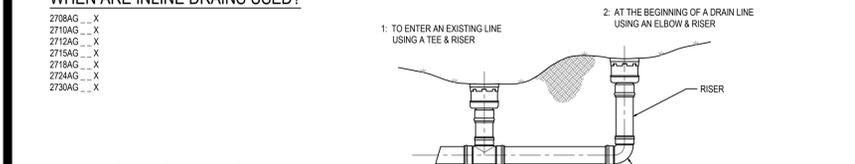
NOTE: NON TRAFFIC INSTALLATION

1. USE NYOPLAST OR APPROVED EQUAL.
2. SUBMIT CUT SHEETS TO ENGINEER FOR APPROVAL.
3. INSTALL PER MANUFACTURER'S SPECIFICATIONS.
4. CONTACT MANUFACTURER FOR CURRENT SPECS AND DRAWINGS.
5. ALL DRAIN GRATES SHALL BE PEDESTRIAN GRATES - SUBMIT FOR APPROVAL.

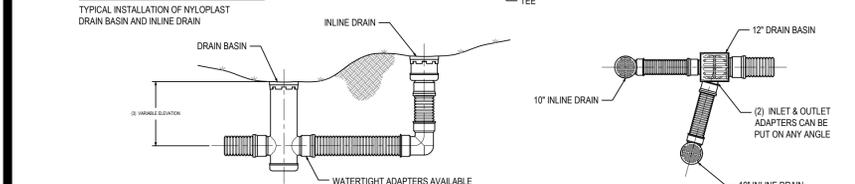


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<p>TITLE: DRAIN BASIN & INLINE DRAIN NON TRAFFIC INSTALLATION</p>			<p>7001-110-111 REV E</p>

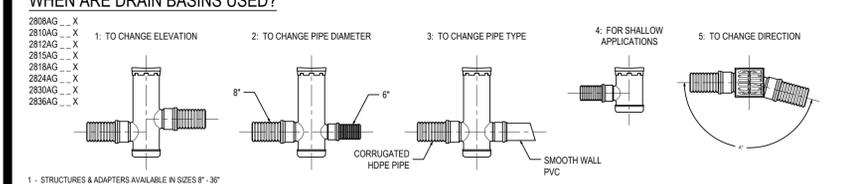
WHEN ARE INLINE DRAINS USED?



TYPICAL INSTALLATIONS

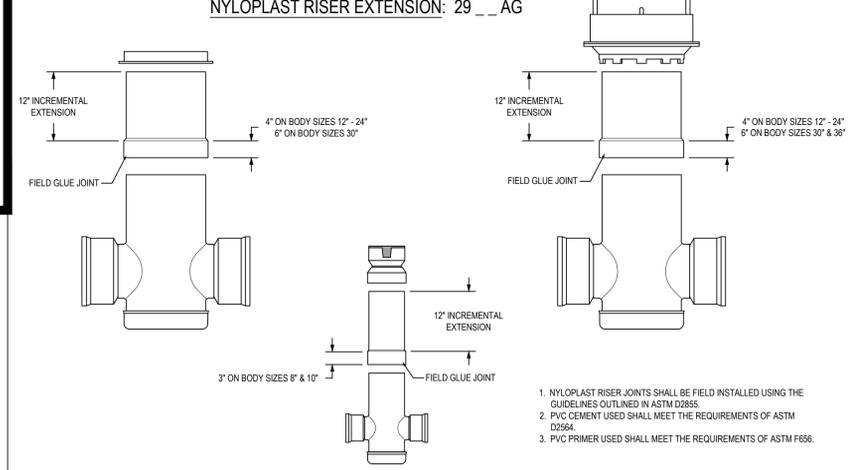


WHEN ARE DRAIN BASINS USED?

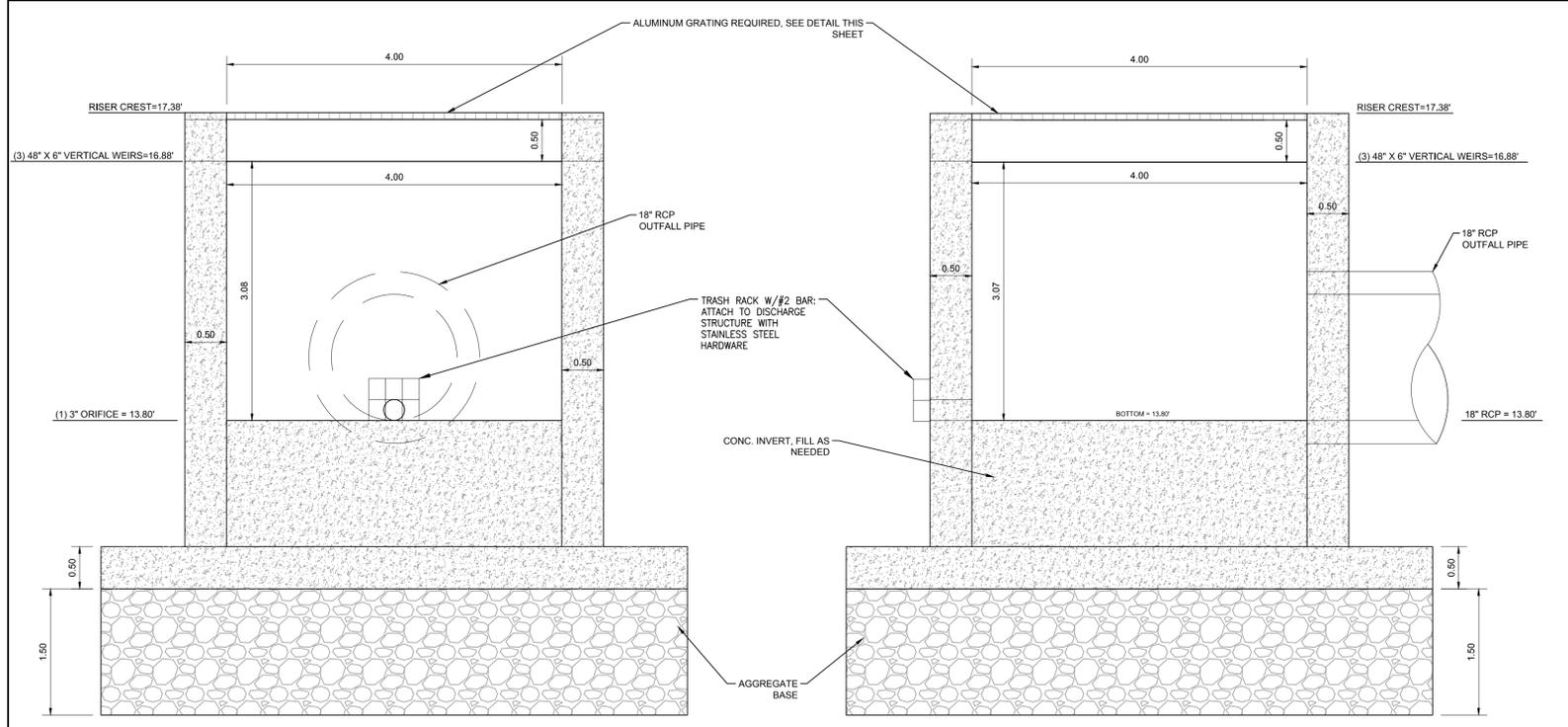


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<p>TITLE: 8 IN - 36 IN TYPICAL INSTALLATION OPTIONS</p>			<p>7001-110-042 REV E</p>

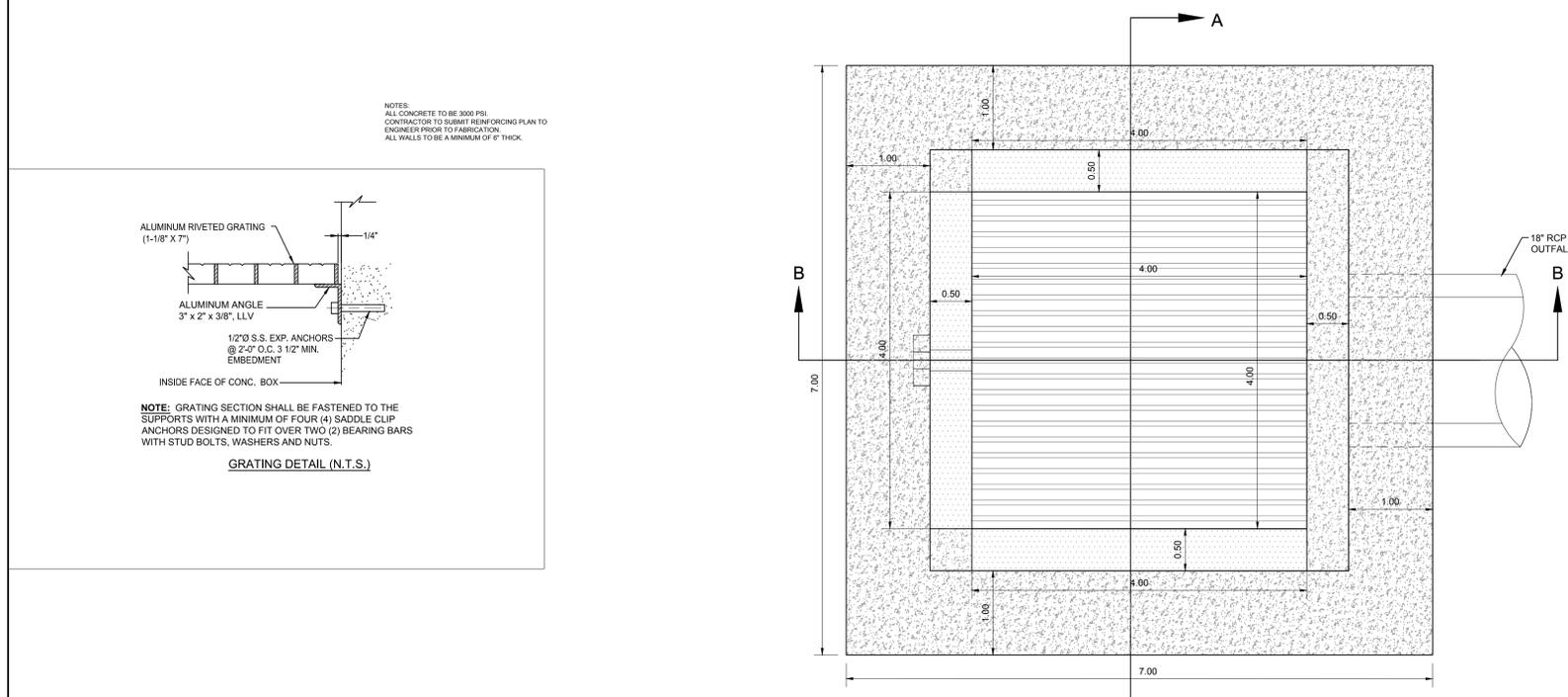
NYLOPLAST RISER EXTENSION: 29 __ AG



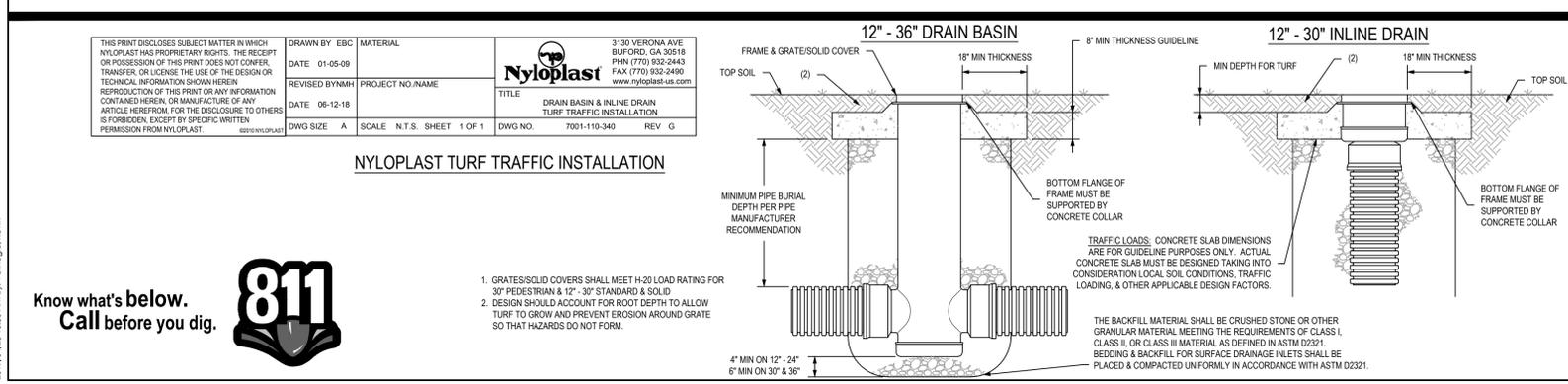
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SECTION A-A SECTION B-B



PROPOSED POND OUTFALL STRUCTURE DETAIL SCALE: 1" = 1'



NYLOPLAST TURF TRAFFIC INSTALLATION





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Notes

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Revision	By	Appd.	YY.MM.DD

FOR BID	KRV	JLL	19.04.12
Issued	By	Appd.	YY.MM.DD

File Name:	Dwn.	Chkd.	Dgn.	YY.MM.DD
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Permit-Seal



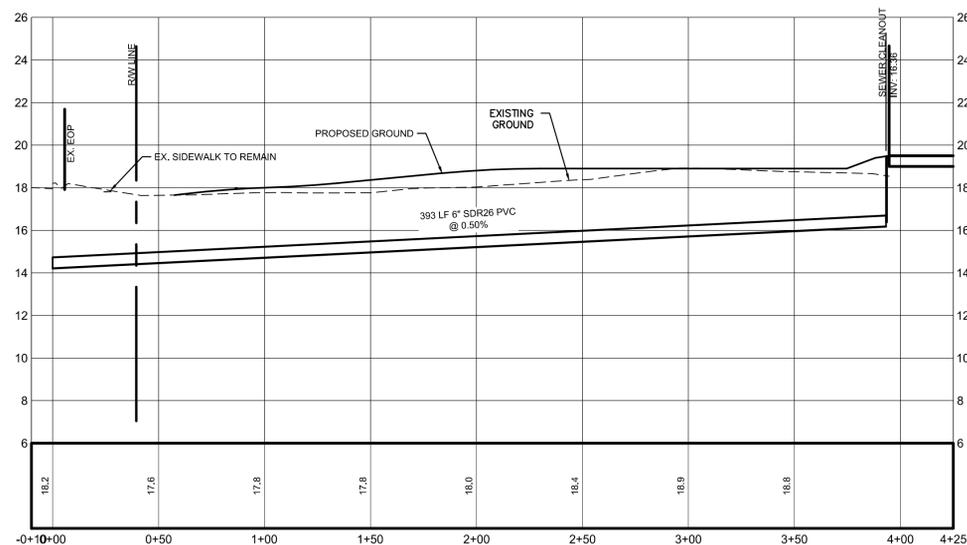
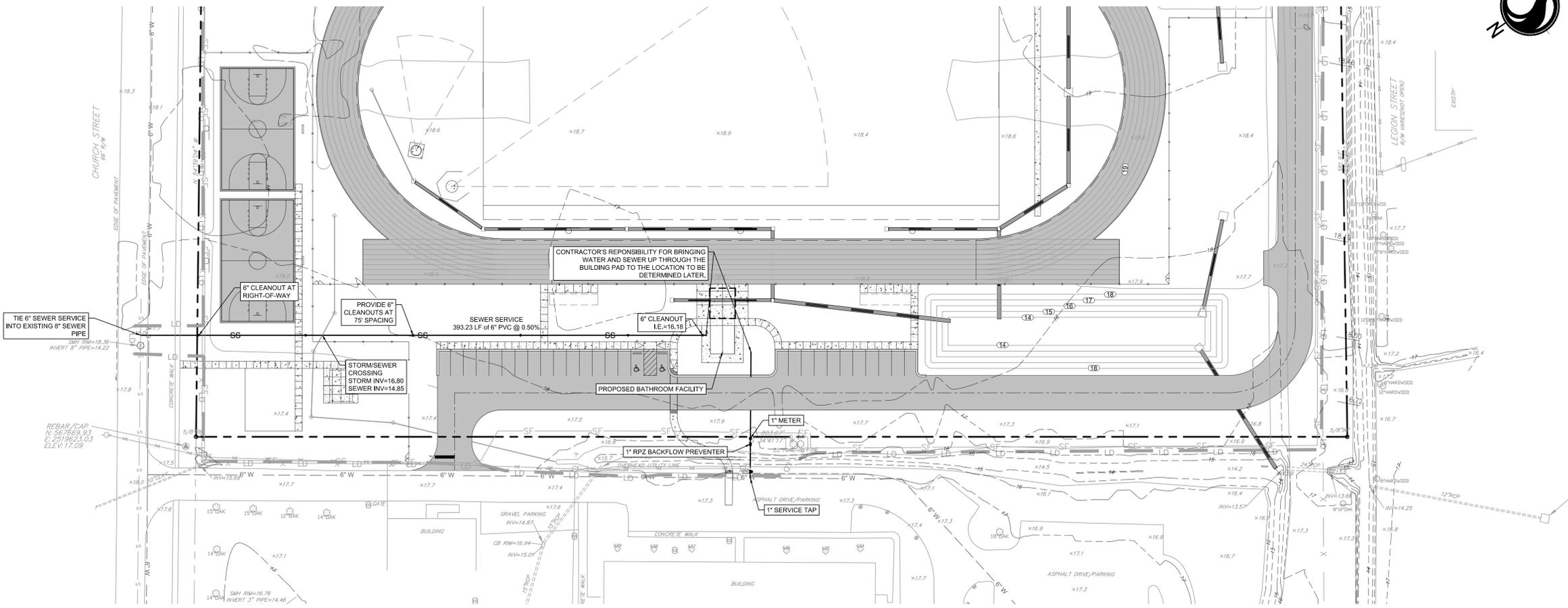
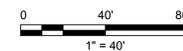
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26356
06/05/19

Client/Project
GEORGETOWN COUNTY
BECK RECREATION CENTER
GEORGETOWN, SC

Title
UTILITY PLAN

Project No.	Scale	
178420882	1" = 40'	
Drawing No.	Sheet	Revision

C14 of



SEWER SERVICE PROFILE
SCALE: H: 1"=40'
V: 1"=4'

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Revision

FOR BID

Issued

File Name:

Permit-Seal



Client/Project

GEORGETOWN COUNTY

BECK RECREATION CENTER

GEORGETOWN, SC

Title

UTILITY DETAILS

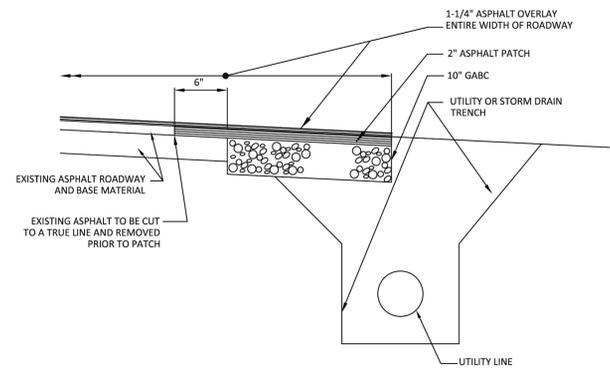
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Drawing No. Sheet

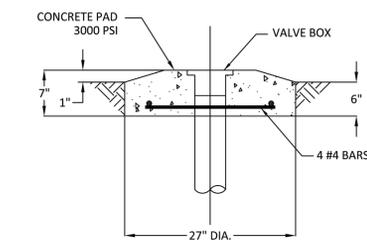
Revision

C15 of

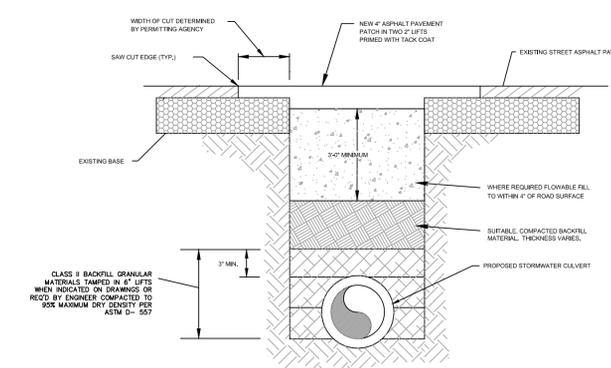


- NOTES:
1. ALL REPAIRS TO BE IN ACCORDANCE WITH SCDOT SPECIFICATIONS AND THIS DETAIL.
 2. REPAIRS BY THE CONTRACTOR SHALL BE CONDUCTED WITH THE LEAST AMOUNT OF INTERFERENCE TO THE TRAFFIC. (MAINTAIN TRAFFIC.)
 3. LENGTH OF PAVEMENT REPAIR TO BE APPROVED IN FIELD BY SCDOT.

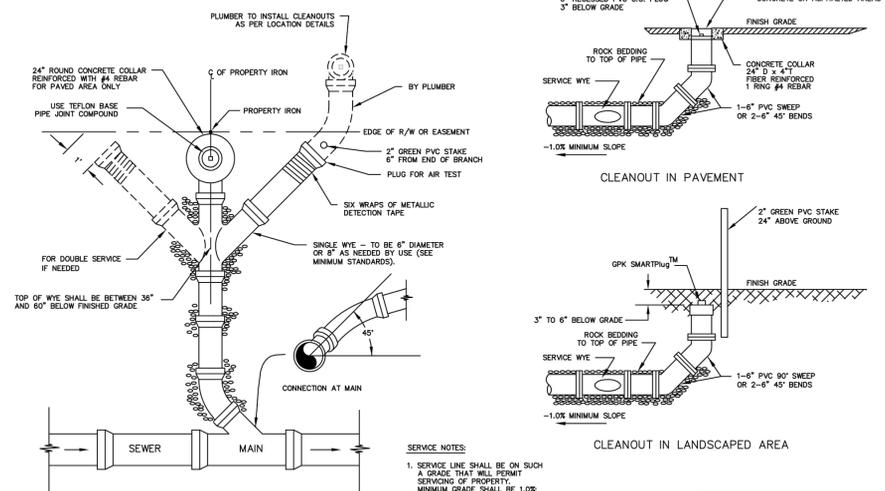
GEORGETOWN COUNTY WATER & SEWER DISTRICT		
ASPHALT PAVEMENT REPAIR IN R/W - NON SCDOT		
UPDATED: 10/02/14	SCALE: N.T.S.	NO.
DRAWN: A.J.K.	CHECKED:	



GEORGETOWN COUNTY WATER & SEWER DISTRICT		
TYPICAL CONCRETE COLLAR		
UPDATED: 10/02/14	SCALE: N.T.S.	NO. 15 - W
DRAWN: A.J.K.	CHECKED:	



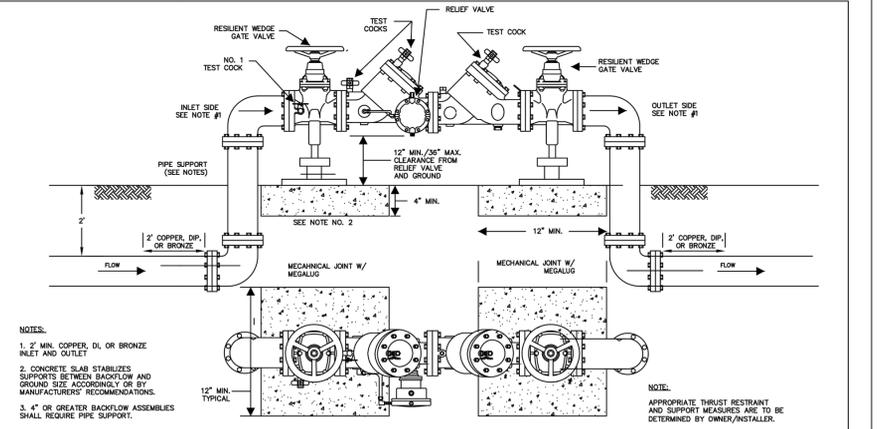
TYPICAL ROAD CUT DETAIL N.T.S.



SERVICE CONNECTION AND CLEANOUT INSTALLATION FOR SINGLE AND DOUBLE WYES NOT TO SCALE

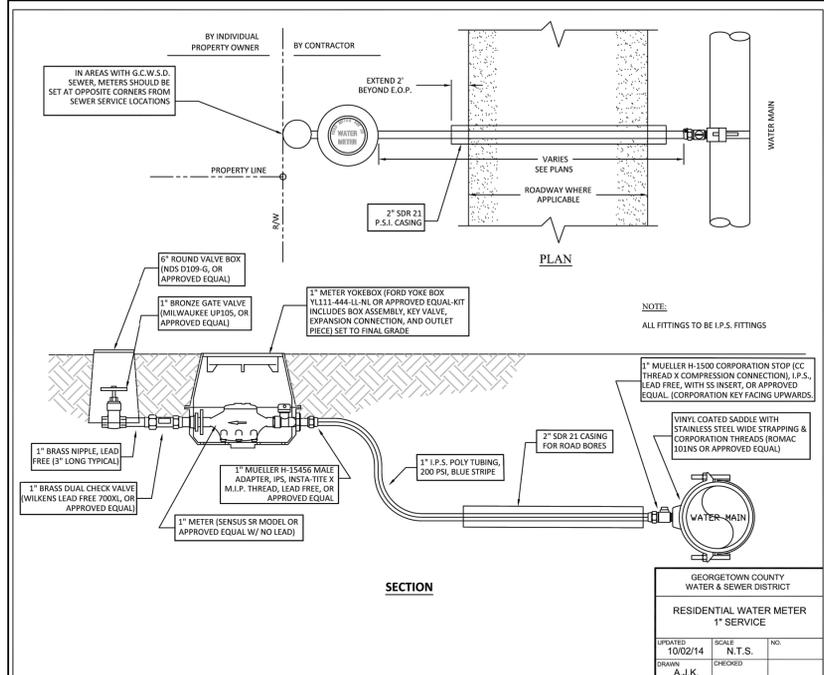
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DOCUMENT NO: EC-4.3.2-CD-WW	DETAIL NO: 54
REVISION DATE: NOV 1, 2015	

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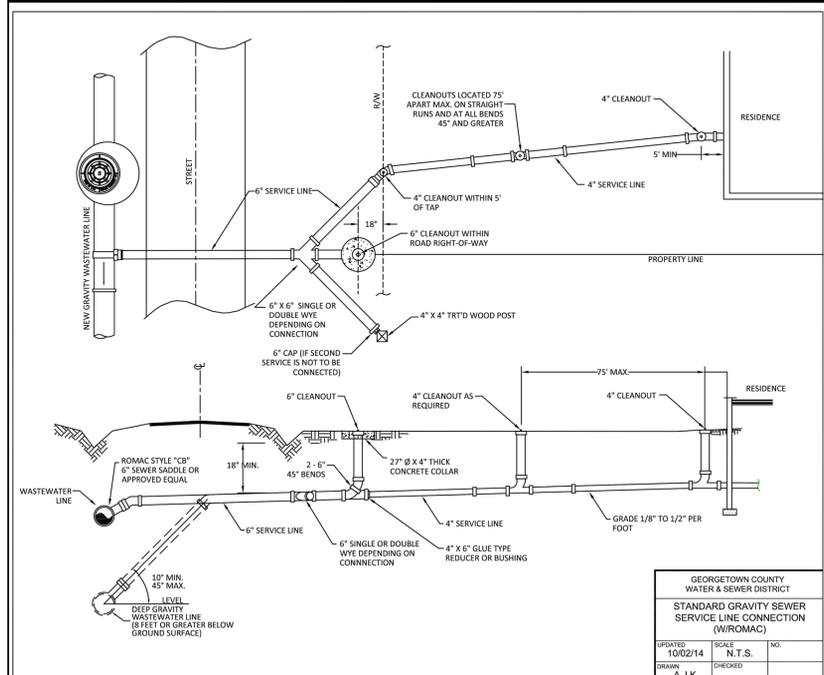


TYPICAL REDUCED PRESSURE PRINCIPLE ASSEMBLY (ALL SIZES) BACKFLOW PREVENTION ASSEMBLY ABOVE GROUND INSTALLATION

BERKELEY COUNTY WATER AND SANITATION POTABLE WATER & SANITARY SEWER STANDARDS REVISED 02/23/16



GEORGETOWN COUNTY WATER & SEWER DISTRICT		
RESIDENTIAL WATER METER 1" SERVICE		
UPDATED: 10/02/14	SCALE: N.T.S.	NO.
DRAWN: A.J.K.	CHECKED:	



GEORGETOWN COUNTY WATER & SEWER DISTRICT		
STANDARD GRAVITY SEWER SERVICE LINE CONNECTION (W/ROMAC)		
UPDATED: 10/02/14	SCALE: N.T.S.	NO.
DRAWN: A.J.K.	CHECKED:	

Know what's below. Call before you dig.

ORIGINAL SHEET - ARCHD

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Legend

Notes

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01 PER SCDHEC COMMENTS MW JL 19.04.08

Revision By Appd. YY.MM.DD

FOR BID KRV JLL 19.04.12

Issued By Appd. YY.MM.DD

File Name: Dwn. Chkd. Dgn. YY.MM.DD

Permit-Seal



Client/Project
GEORGETOWN COUNTY

BECK RECREATION CENTER

GEORGETOWN, SC

Title

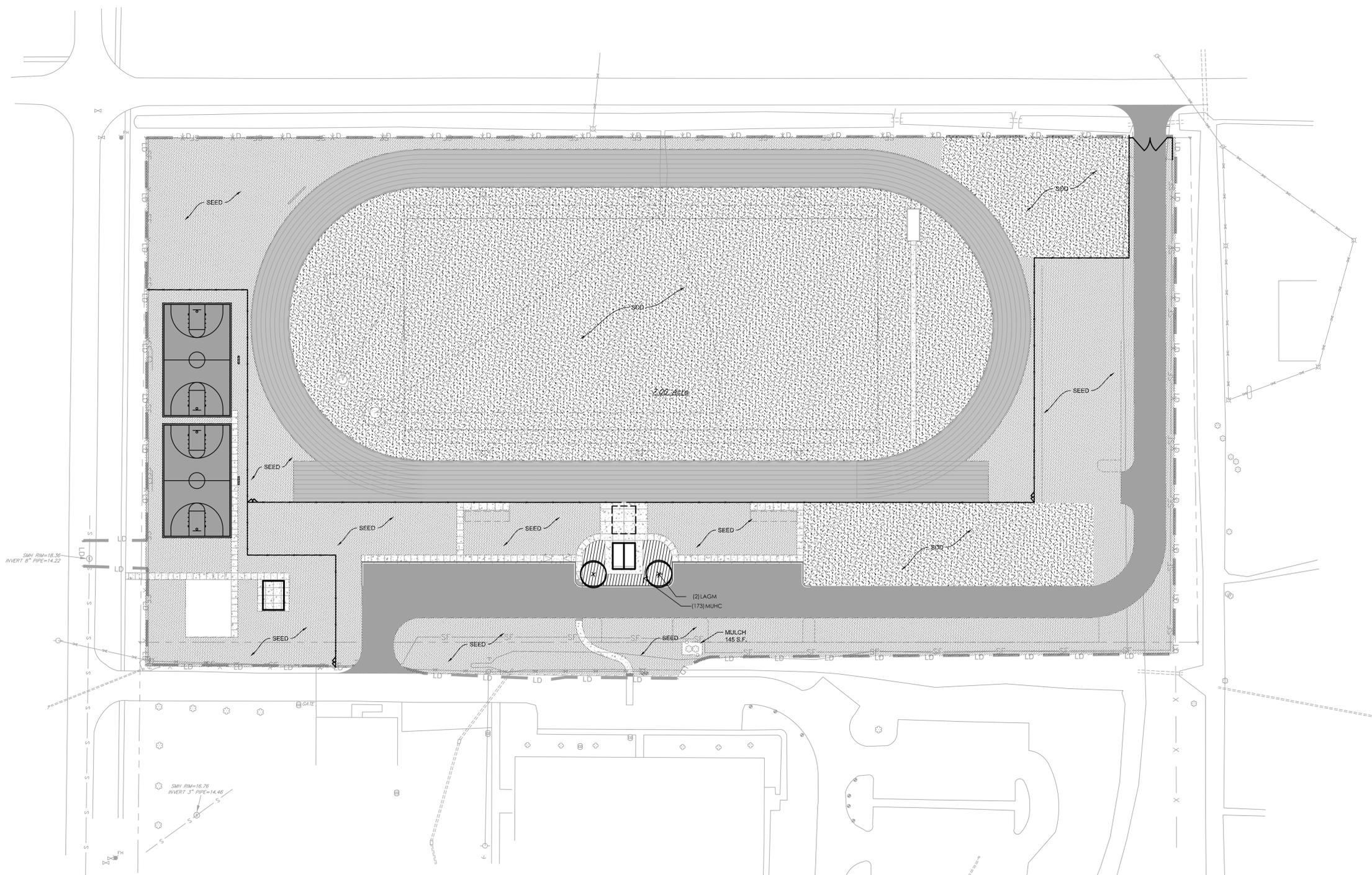
LANDSCAPE PLAN

Project No.
178420882

Scale
1" = 40'

Drawing No. Sheet of Revision

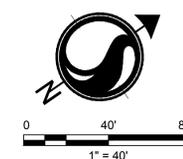
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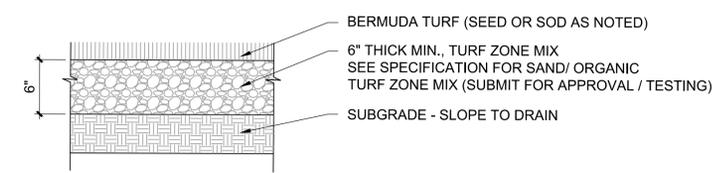
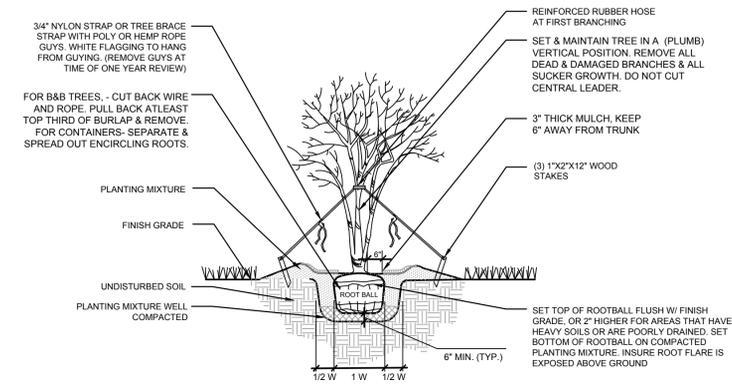
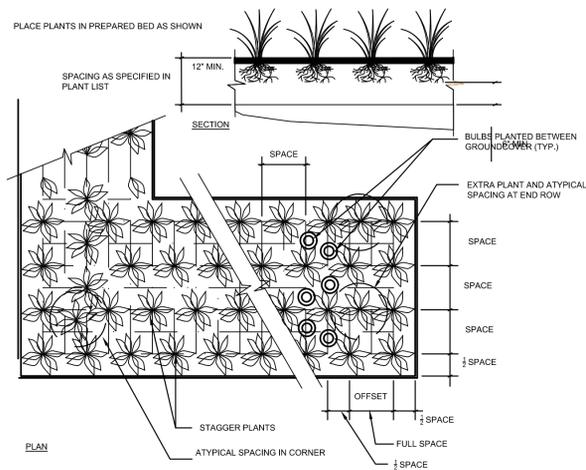


SMH RM=18.35
INVERT 8" PIPE=14.22

SMH RM=16.75
INVERT 3" PIPE=14.46

Know what's below.
Call before you dig.





NOTES:
SUBGRADE TO BE GRADED WITHIN 1/2" TOLERANCE OVER 25' IN ANY DIRECTION.
FINAL GRADE TO BE GRADED WITHIN 3/8" TOLERANCE OVER 25' IN ANY DIRECTION.
TO BE USED FOR INTERIOR AREA OF TRACK.

1 GROUNDCOVER PLANTING DETAIL
NTS

2 MULTI-STEM TREE DETAIL
NTS

3 FIELD SECTION
NTS

SEEDING SCHEDULE

PERMANENT VEGETATION SCHEDULE			
SPECIES	RATE	OPTIMUM DATES TO PLANT	REMARKS
BERMUDA GRASS (HULLED)	1-2 LBS. / 1,000 SQUARE FEET	APRIL - JULY 15	QUICK COVER, SOD FORMING, PARTIAL WINTER KILL

TEMPORARY / COVER CROP VEGETATION SCHEDULE			
SPECIES	RATE	OPTIMUM DATES TO PLANT	REMARKS
BROWNTOP MILLET	5 - 10 LBS. / ACRE	APRIL 20 - AUGUST 15	QUICK, DENSE COVER
WINTER RYE GRASS	10 LBS. / 1,000 SQUARE FEET	AUGUST 10 - OCTOBER 10	COMPETITIVE, DENSE

- GENERAL SEEDING NOTES:**
- CONTRACTOR SHALL PROVIDE SOIL TESTS TO ENSURE SOIL PH AND NUTRIENT LEVELS. FOLLOW RECOMMENDATIONS OF SOIL TESTING FOR THE ESTABLISHMENT OF NEW LAWN - PER CHARLESTON COUNTY CLEMSON EXTENSION SERVICES OR OTHER REPUTABLE TESTING AGENCY.
 - SEED AT RECOMMENDED RATE FOR LAWN / TURF ESTABLISHMENT PER TABLE OR PER MANUFACTURERS RECOMMENDATION FOR ESTABLISHMENT OF TURF LAWN. PROVIDE SEED WITH A 90% PURITY RATE AND AN 85% GERMINATION RATE.
 - PROVIDE COVER CROP FOR ESTABLISHMENT BASED ON TIME OF YEAR TO ENSURE IMMEDIATE STABILIZATION AND COVER UNTIL PERMANENT BERMUDA / TURF IS ABLE TO GERMINATE AND BE ESTABLISHED.

GENERAL LANDSCAPE NOTES:

- LANDSCAPE CONTRACTOR (CONTRACTOR) SHALL VISIT SITE, INSPECT EXISTING CONDITIONS, AND REVIEW PROPOSED PLANTINGS AND RELATED WORK. LANDSCAPE CONTRACTOR SHALL VERIFY ALL UTILITY LOCATIONS ON PROPERTY WITH THE GENERAL CONTRACTOR AND BY CALLING LOCAL ONE-CALL OR DIG-RITE PRIOR TO STAKING PLANT LOCATIONS.
- IN CASE OF DISCREPANCY BETWEEN PLAN AND PLANT LIST, PLAN SHALL GOVERN QUANTITIES, CONTACT LANDSCAPE ARCHITECT AND/OR OWNER'S REPRESENTATIVE WITH ANY CONCERNS.
- NO PLANT MATERIAL SUBSTITUTIONS WILL BE ACCEPTED UNLESS APPROVAL IS REQUESTED OF THE LANDSCAPE ARCHITECT BY THE LANDSCAPE CONTRACTOR PRIOR TO INSTALLATION.
- ALL PLANT MATERIAL SHALL COMPLY WITH THE LATEST EDITION OF THE AMERICAN STANDARD FOR NURSERY STOCK, AMERICAN ASSOCIATION OF NURSERYMEN.
- LANDSCAPE CONTRACTOR IS RESPONSIBLE FOR ON-GOING MAINTENANCE OF ALL NEWLY INSTALLED MATERIALS UNTIL TIME OF OWNER ACCEPTANCE. ANY ACTS OF VANDALISM OR DAMAGE WHICH MAY OCCUR PRIOR TO OWNER ACCEPTANCE SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- WARRANTY FOR LANDSCAPE MATERIALS SHALL BEGIN ON THE DATE OF ACCEPTANCE BY THE OWNER'S REPRESENTATIVE AFTER THE COMPLETION OF PLANTING OF ALL LANDSCAPE MATERIALS. NO PARTIAL ACCEPTANCE WILL BE CONSIDERED. LANDSCAPE CONTRACTOR SHALL PROVIDE A WRITTEN REQUEST FOR THE OWNER'S ACCEPTANCE INSPECTION. REMOVE AND REPLACE DEAD PLANT MATERIAL (25% + DEAD) IMMEDIATELY UNLESS REQUIRED TO PLANT IN THE SUCCEEDING PLANTING SEASON. A LIMIT OF ONE REPLACEMENT OF EACH TREE AND SHRUB WILL BE REQUIRED, EXCEPT FOR LOSSES CAUSED BY CONTRACTOR'S ERRORS.
- CONTRACTOR WILL SUPPLY FINISHED GRADE AND EXCAVATE AS NECESSARY TO SUPPLY 4" PLANT MIX DEPTH IN ALL PLANTING BEDS AND 4" TOPSOIL DEPTH IN ALL LAWN AREAS.
- LANDSCAPE CONTRACTOR SHALL GUARANTEE NEW PLANT MATERIAL THROUGH ONE CALENDAR YEAR FROM THE DATE OF OWNER'S ACCEPTANCE WITH ALL REPLACEMENTS TO BE PROVIDED AT NO ADDITIONAL COST TO THE OWNER.
- REPAIR ALL DAMAGE TO PROPERTY FROM PLANTING OPERATIONS AT NO COST TO THE OWNER.
- OWNER OR OWNER'S REPRESENTATIVE SHALL INSPECT LANDSCAPE INSTALLATION AND HAVE THE RIGHT TO REJECT AND WITHHOLD PAYMENT ON ANY PLANT MATERIAL(S) OF DAMAGED OR POOR QUALITY OR NOT MEETING SPECIFICATIONS.
- CONTRACTOR SHALL BE RESPONSIBLE FOR SOIL, EROSION, AND DUST CONTROL MEASURES PRIOR TO AND DURING CONSTRUCTION. THE LANDSCAPE CONTRACTOR SHALL PREVENT EROSION OF SOIL AND ENTRY OF SOIL-BEARING WATER AND AIRBORNE DUST ONTO ADJACENT PROPERTIES AND INTO THE PUBLIC STORM WATER FACILITIES.
- ALL LANDSCAPE BEDS AND TREE RINGS TO BE MULCHED WITH PINE STRAW MULCH TO A DEPTH OF 3".
- NO PLANTING TO BE INSTALLED UNTIL GRADING AND CONSTRUCTION HAS BEEN COMPLETED IN THE IMMEDIATE AREA.
- IF THE LANDSCAPE CONTRACTOR PERCEIVES ANY DEFICIENCIES IN THE PLANT SELECTIONS, SOIL CONDITIONS, OR ANY OTHER SITE CONDITION WHICH MIGHT NEGATIVELY AFFECT PLANT MATERIAL ESTABLISHMENT, SURVIVAL, OR GUARANTEE, THEY SHALL BRING THESE DEFICIENCIES TO THE ATTENTION OF THE LANDSCAPE ARCHITECT PRIOR TO INSTALLATION.
- ALL PLANTS TO BE INSTALLED AS PER PLANTING DETAILS. PLANT MATERIALS ARE TO BE PLANTED IN THE SAME RELATIONSHIP TO GRADE AS WAS GROWN IN NURSERY CONDITIONS. ANY TREES PLANTED LOWER THAN EXISTING GRADE WILL BE REJECTED AND REINSTALLED AT THE CONTRACTOR'S EXPENSE. IF WET, CLAY SOILS OR POOR DRAINING SOILS ARE EVIDENT, PLANT HIGHER.
- REMOVE ALL TWINE, WIRE AND BURLAP FROM TOP 1/3 OF ROOT BALL AND FROM TREE TRUNKS.
- SEED AND/OR SOD ALL AREAS DISTURBED DUE TO GRADING AND CONSTRUCTION ACTIVITIES. WHERE SOD/SEED ABUTS PAVED SURFACES, FINISHED GRADE OF SOD/SEED SHALL BE HELD 1" BELOW SURFACE ELEVATION OF TRAIL, SLAB, CURB, ETC.
- ALL LANDSCAPE AREAS SHALL HAVE PROPER DRAINAGE THAT PREVENTS EXCESS WATER FROM STANDING AROUND TREES AND SHRUBS.
- IMMEDIATELY MULCH WITH MULCH AND WATER ALL PLANTS AND TREES OR COMPLETE WITHIN 16 HOURS AFTER INSTALLATION.
- CONTRACTOR SHALL FIELD ADJUST PLANT MATERIAL TO AVOID CONFLICTS WITH UTILITIES. PLANTS SHALL NOT OBSTRUCT TRANSFORMERS, DRAINAGE INLETS, HYDRANTS, ETC.
- PLANTING MIX SHALL BE 20% PEAT MOSS, 40% TOPSOIL, AND 40% SANDY LOAM.
- REMOVE AND DISPOSE OF ALL CONSTRUCTION DEBRIS FROM PLANT BEDS AND TURF AREAS LARGER THAN 1" IN DIAMETER. REMOVE ALL HARD CLAY, STONES, OR SIMILAR LARGER THAN 1" DIAMETER.

PLANT SCHEDULE

TREES	CODE	QTY	BOTANICAL NAME / COMMON NAME	CONT	CAL	SIZE	SPREAD	REMARKS
	LAGM	2	LAGERSTROEMIA X 'MUSKOGEE' / LAVENDER CRAPE MYRTLE	B & B	3" CAL	10'-12'	4-5'	MULTI TRUNK 3 MATCHING STEMS MIN.
GROUND COVERS	CODE	QTY	BOTANICAL NAME / COMMON NAME	CONT	SPACING			REMARKS
	SEED	94,243 SF	CYNODON DACTYLON / BERMUDA GRASS	SEED				
	SOD *	124,954 SF	CYNODON DACTYLON / BERMUDA GRASS TIFWAY 419	SOD				
	MUHC	173	MUHLBERGIA CAPILLARIS / PINK MUHLY	3 GAL	36" o.c.			FULL CONTAINER

*ALTERNATE #7 - DEDUCT - SUBSTITUTE COMMON BERMUDA FOR TIFWAY 419 SOD (QUANTITY NOTED).

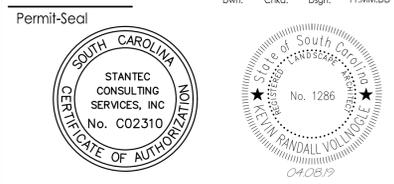
Notes

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01 PER SCDHEC COMMENTS	MW	JL	19.04.08
Revision	By	Appd.	YY.MM.DD

FOR BID	KRV	JLL	19.04.12
Issued	By	Appd.	YY.MM.DD

File Name:	Dwn.	Chkd.	Dign.	YY.MM.DD
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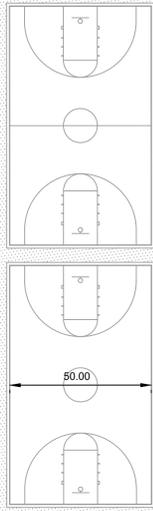
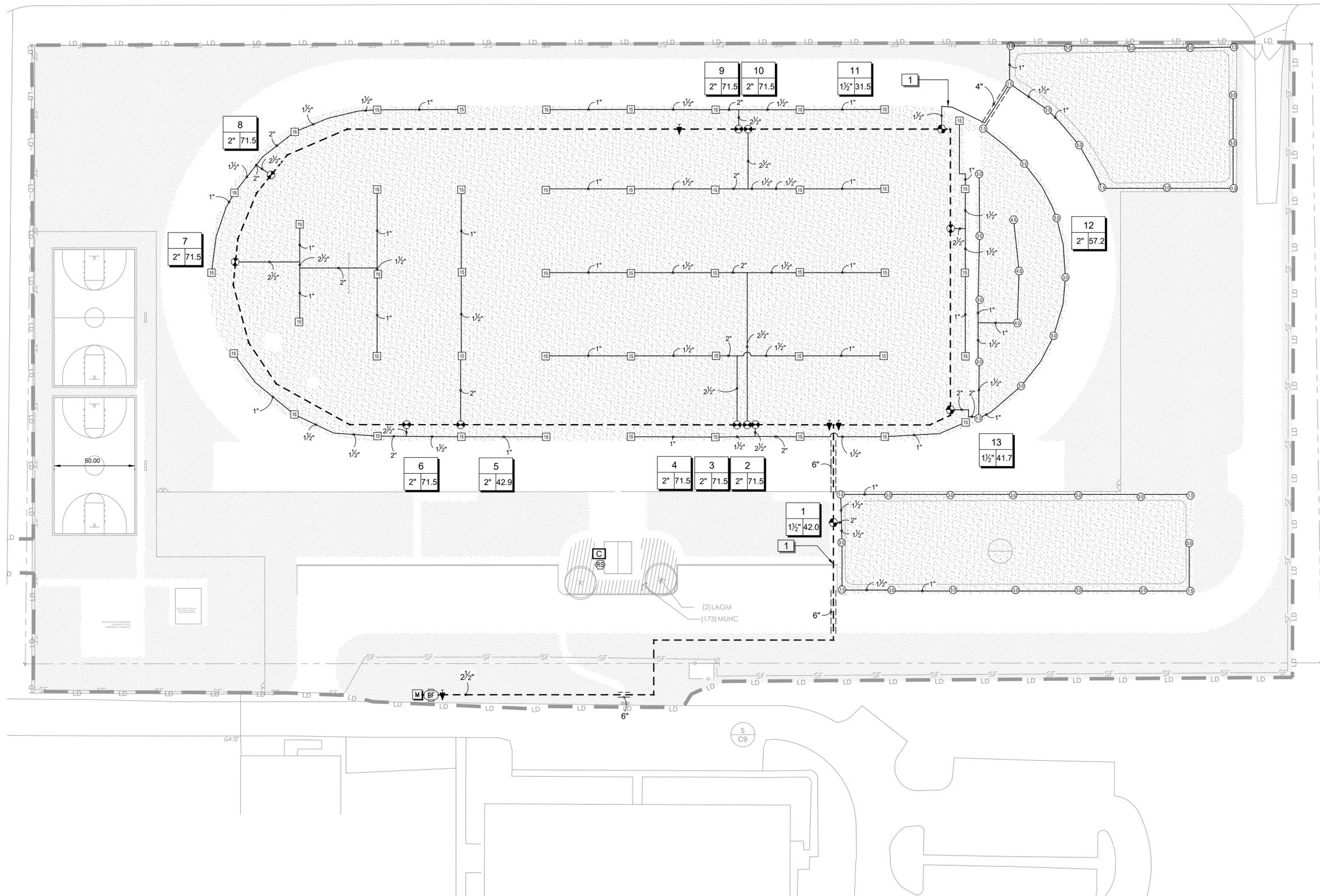


Client/Project
GEORGETOWN COUNTY
BECK RECREATION CENTER
GEORGETOWN, SC
Title
LANDSCAPE DETAILS

Project No. 178420882	Scale AS NOTED
Drawing No.	Sheet Revision

Know what's below.
Call before you dig.

V:\1784\active\178420882\land\development\drawing\sheet\882_landscape.dwg
2019/04/25 10:31 AM Br. Volzogg, lemn



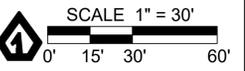
PROJECT NAME
BECK RECREATION CENTER
GEORGETOWN, SC 29442

Project Title:
IRRIGATION PLAN

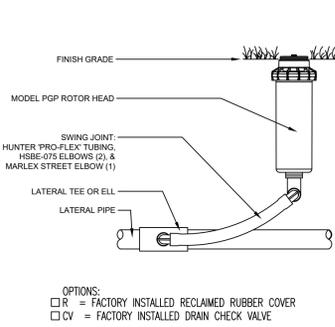
Project Number: 182794
Design Date: 03/29/2019
Drawn By: CLC
Checked By:
Drawing Scale: 1"=30'

Revisions	Date
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2.	
3.	
4.	
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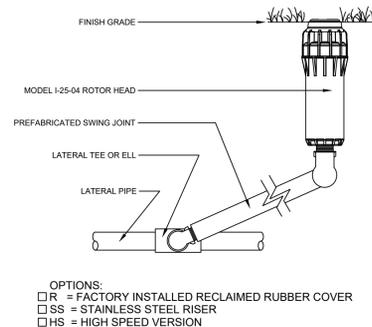
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IR-1
Sheet 1 OF 2



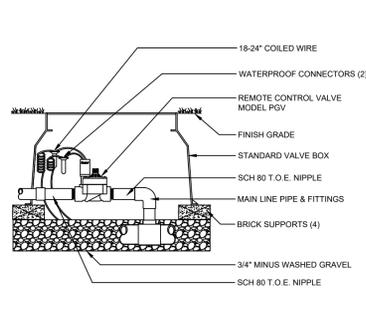
*When using larger GPM nozzles, beware of high friction loss in swing joints.



1 PGP ROTOR HEAD WITH PRO-FLEX TUBING

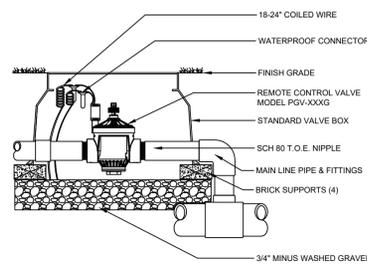


2 I-25-04 ROTOR HEAD

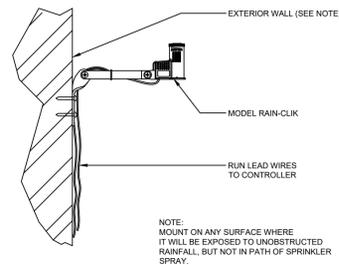


3 PGV GLOBE VALVE 1"

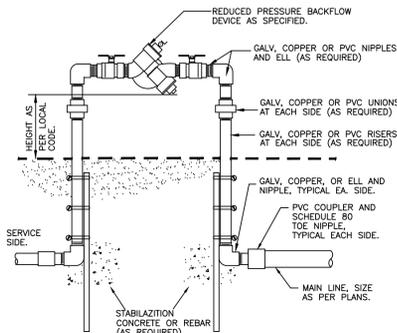
INSTALLATION MAY DIFFER PER LOCAL CODE



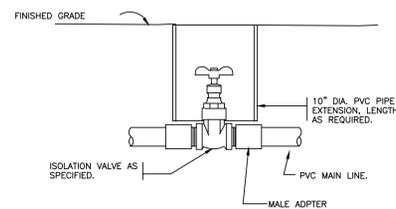
4 PGV GLOBE VALVE 151/201



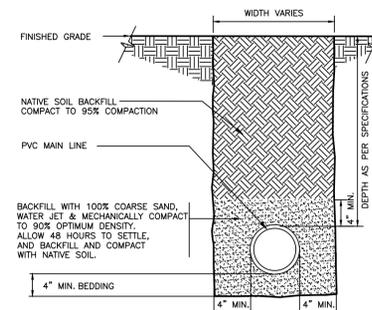
5 RAIN-CLIK



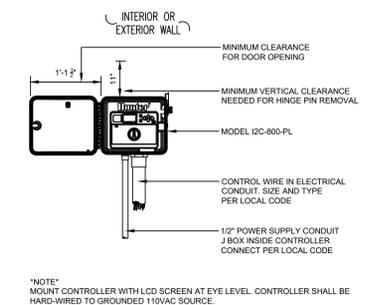
6 REDUCED PRESSURE BACKFLOW DEVICE STANDARD



7 ISOLATION GATE VALVE



8 SLEEVE AT ROAD



9 ICC2 CONTROLLER

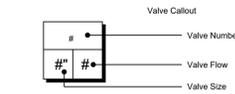
*NOTE: MOUNT CONTROLLER WITH LCD SCREEN AT EYE LEVEL. CONTROLLER SHALL BE HARD-WIRED TO GROUND 110VAC SOURCE.

IRRIGATION SCHEDULE

SYMBOL	MANUFACTURER/MODEL
15	HUNTER I-25-04 ROTOR
1S	HUNTER PGP-04 ROTOR
30	HUNTER PGP-04 ROTOR
4S	HUNTER PGP-04-LA ROTOR

SYMBOL	MANUFACTURER/MODEL
⊕	HUNTER PGV-151 ELECTRIC VALVE
⊖	HUNTER PGV-201 ELECTRIC VALVE
⬇	GATE VALVE (MAINLINE SIZE)
BF	FEBCO 825Y RPZ 2"
C	HUNTER ICC2 CONTROLLER
RS	HUNTER RAIN-CLIK RAIN SENSOR
M	WATER METER 2"

— IRRIGATION LATERAL LINE: PVC CLASS 200 SDR 21
 - - - IRRIGATION MAINLINE: PVC CLASS 200 SDR 21
 - - - - - PIPE SLEEVE: PVC SCHEDULE 40

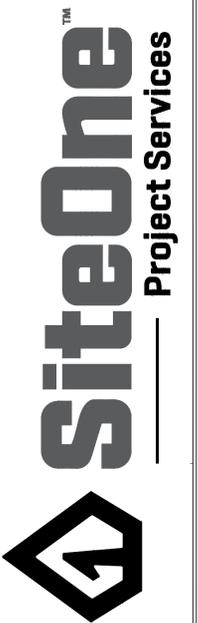


REFERENCE NOTES SCHEDULE

SYMBOL	DESCRIPTION
1	PIPING AND EQUIPMENT SHOWN TO THE SIDE FOR CLARITY

IRRIGATION NOTES

- IRRIGATION SYSTEM DESIGNED BASED ON 80 GPM AT 90 PSI.
- IRRIGATION DESIGN IS FROM THE POINT OF CONNECTION(POC) ONLY. THE DESIGN IS BASED ON GALLONS PER MINUTE(GPM) AND POUNDS PER SQUARE INCH(PSI).
- IRRIGATION CONTRACTOR IS TO VERIFY POINT OF CONNECTION IN THE FIELD. INSTALLER IS TO CONFIRM THE MINIMUM DISCHARGE REQUIREMENTS OF THE POINT OF CONNECTION AS INDICATED IN THE NOTES PRIOR TO INSTALLATION.
- THE PRESSURE REQUIREMENT FROM THE POINT OF CONNECTION TO THE HIGHEST POINT OF IRRIGATION IS BASED ON NO MORE THAN 5 FEET OF ELEVATION CHANGE. IF THE ELEVATION IS GREATER THAN 5 FEET CONSULT WITH THE IRRIGATION DESIGNER FOR POSSIBLE ADJUSTMENTS.
- FINAL CONTROLLER LOCATION TO BE DETERMINED BY OWNER REPRESENTATIVE.
- THE IRRIGATION DESIGN IS GRAPHICAL IN NATURE AND MAY NOT REPRESENT ACTUAL CIRCUMSTANCES IN THE FIELD. IT IS THE RESPONSIBILITY OF THE INSTALLING CONTRACTOR TO USE INSTALLATION TECHNIQUES PER MANUFACTURER'S RECOMMENDATIONS AND ACCORDING TO LOCAL BUILDING, ELECTRICAL, AND PLUMBING CODES.
- IT IS THE RESPONSIBILITY OF THE INSTALLING CONTRACTOR TO DETERMINE IF IRRIGATION EQUIPMENT CAN BE PLACED IN RIGHT OF WAYS, EASEMENTS, AND ACROSS PROPERTY LINES.
- IF LATERAL PIPING IS ADJUSTED IN THE FIELD THE INSTALLING CONTRACTOR IS RESPONSIBLE FOR PROPER SIZING TECHNIQUES. THE FLOW RATES SHALL NOT EXCEED 5FT/SEC. THE LOCATION OF IRRIGATION EQUIPMENT SHOWN ON THE DRAWING IS APPROXIMATE. ACTUAL PLACEMENT MAY VARY AS REQUIRED TO ACHIEVE FULL AND EVEN COVERAGE.
- ALL IRRIGATION HEADS SHALL BE INSTALLED PERPENDICULAR TO FINISHED GRADES EXCEPT AS OTHERWISE INDICATED.
- INSTALL IRRIGATION MAINLINES WITH A MINIMUM OF 18" OF COVER AND IRRIGATION LATERALS WITH A MINIMUM OF 12" OF COVER BASED ON FINISHED GRADES.
- THE IRRIGATION CONTRACTOR SHALL ARRANGE INSPECTIONS REQUIRED BY LOCAL AGENCIES AND ORDINANCES DURING THE COURSE OF CONSTRUCTION AS REQUIRED.
- ALL MAINLINE PIPE 3" AND LARGER TO BE SDR21 GASKETED PVC. SERVICE TEES/FITTINGS AND/OR DUCTILE IRON SERVICE TEES/FITTINGS TO BE USED UNLESS NOTED DIFFERENTLY IN THE IRRIGATION LEGEND. ALL MAINLINE 2-1/2" AND SMALLER TO BE SDR21 SOLVENT WELD PVC PIPE. ALL PVC PIPE FITTINGS TO BE SCH40 SOLVENT WELD.
- ALL WIRE SPLICES SHALL BE MADE WITH APPROVED WATERPROOF WIRE CONNECTIONS AND BE IN A VALVE OR SPLICE BOX.
- ALL CONTROL WIRING DOWNSTREAM OF THE IRRIGATION CONTROLLER TO BE UL APPROVED DIRECT BURY 14 AWG.
- ALL IRRIGATION GROUNDING TO BE INSTALLED PER MANUFACTURER'S SPECIFICATIONS.
- THE DESIGN IS BASED ON THE SITE INFORMATION AND/OR DRAWING SUPPLIED WITH THE DESIGN CRITERIA BEING SET (AREA TO BE IRRIGATED, EQUIPMENT MANUFACTURER AND MODEL TO BE USED, WATER SOURCE INFORMATION, ELECTRICAL POWER AVAILABILITY, ETC.)



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PROJECT NAME
BECK RECREATION CENTER
 GEORGETOWN, SC 29442

Project Title:
DETAIL & LEGEND

Project Number: 182794
 Design Date: 03/29/2019
 Drawn By: CLC
 Checked By:
 Drawing Scale: N.T.S

Revisions	Date
1.	
2.	
3.	
4.	
5.	
6.	

Sheet Number:
IR-2
 Sheet 2 OF 2



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01 PER SCDHEC COMMENTS	MW	JL	19.04.08
Revision	By	Appd.	YY.MM.DD

FOR BID	KRV	JLL	19.04.12
Issued	By	Appd.	YY.MM.DD

File Name:	Dwn.	Chkd.	Dsgn.	YY.MM.DD
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Permit-Seal



04.08.19

Client/Project
GEORGETOWN COUNTY

BECK RECREATION CENTER

GEORGETOWN, SC

Title
STRUCTURAL

Project No. 178420882 Scale As Noted

Drawing No. Sheet of Revision

S1 of

Model LX3230 Outdoor LED Football Scoreboard **Cutsheet with Mechanical Detail**

Cabinet Size, Weight:
14 ft. x 5 ft., 245 lbs.

Electrical Requirements:
2.1 Amps, 120 VAC

Display Sizes:
18 in. tall Home Score
18 in. tall Guest Score
18 in. tall 4-digit Game Clock
15 in. tall Down
15 in. tall To Go
15 in. tall Quarter

Standard Post Sizes:
2 each, max diameter 4.5 in.

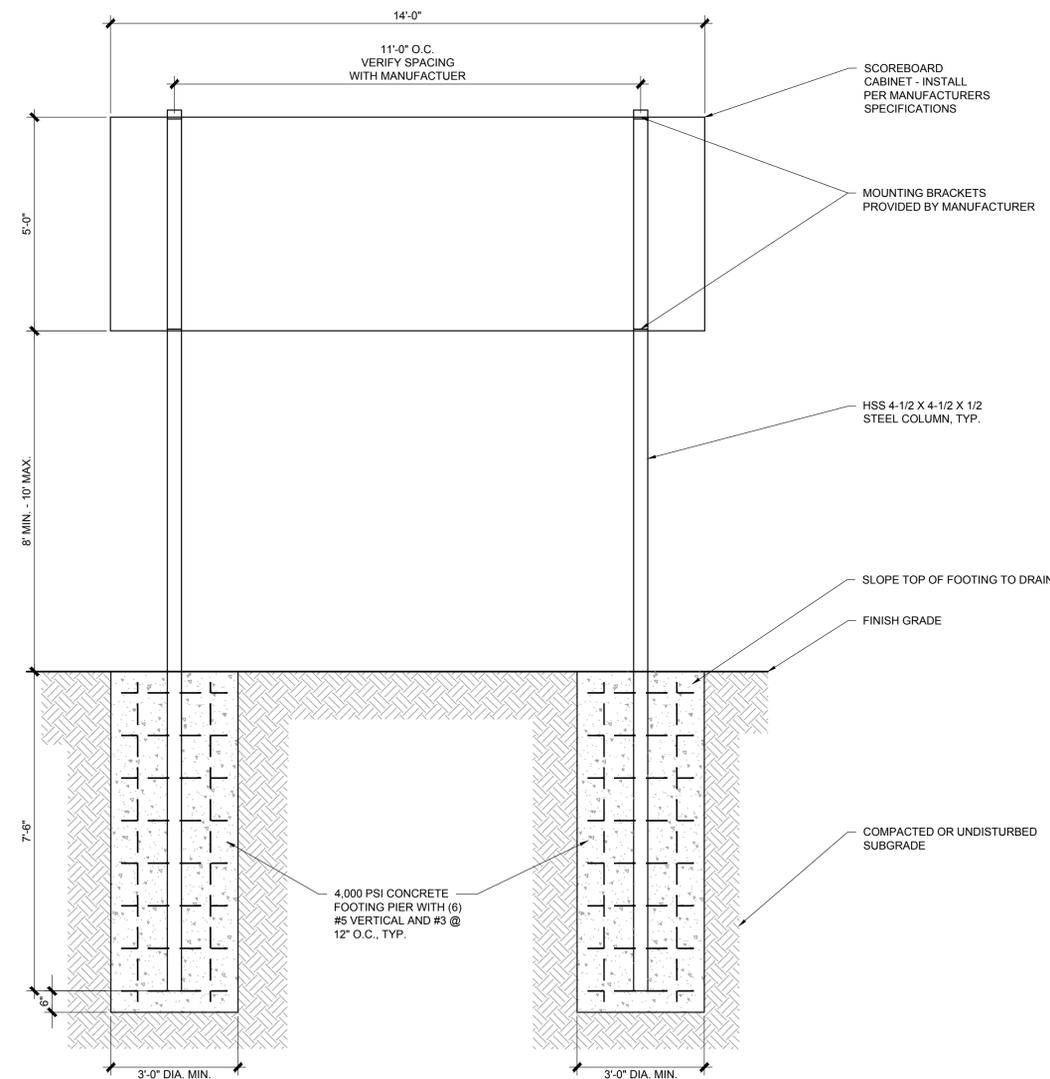
Standard Equipment & Features

- Single cabinet design with heavy duty extruded aluminum framing
- Light weight, rust free, all aluminum construction
- Mounting hardware for permanent installation on two posts without the need for on site fabrication
- Choice of 18 standard paint colors
- Choice of amber or red LED displays
- LED display circuit boards conformal coated for outdoor use
- Internally mounted horn
- Full-sized 37-key control console with LCD display
- Fifty programmable brightness levels
- Control console includes fully programmable Practice Segment Timer mode
- Junction box and patch cable for hardwired installations
- Five-year limited warranty
- Toll free technical support via phone and online for the life of the product

Optional Equipment & Features

- Electronic Team Names
- ID panels with custom graphics, in a variety of sizes, shapes and styles, to mount above or below the scoreboard
- Extended configurations for ID panels built into the left or right side of the scoreboard cabinet
- Full color video and other electronic display panels
- Stadium Sound System packages
- Custom paint colors
- External horn kit
- Team name in place of HOME
- Up to 1,000 feet of data cable for hardwired installations
- ScoreLink Wireless RF modem system for wireless communication
- Additional warranty and support plans

TDD/ Rev 2012-Sept. Electro-Mech Scoreboard Co. 800-445-7856
72 Industrial Blvd. • Wrightsville, GA. 31096 www.electro-mech.com



1 SCOREBOARD FOOTING/POST DETAIL
SCALE: 1/2" = 1'-0"

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Charleston Engineering
125 B Wappoo Creek Dr.
Charleston, SC 29412
843-762-4242
Mechanical, Plumbing & Electrical

Notes

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NOT FOR CONSTRUCTION**

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Revision By Appd. YF.MM.DD

BID DOCUMENTS MBH JDD 19.04.03
Issued By Appd. YF.MM.DD

File Name: Dwn. Chkd. Dsgn. YF.MM.DD

Permit-Seal



Client/Project
GEORGETOWN COUNTY
BECK RECREATION CENTER
GEORGETOWN, SC

Title

ELECTRICAL PHOTOMETRIC PLAN

Project No. 18100 Scale NO SCALE
Drawing No. Sheet Revision

E0.0

REBAR/CAP
N: 567890.21
E: 2519290.67
ELEV: 18.57

SMI RM=18.36
INVERT 8" PIPE=14.22

REBAR/CAP
N: 567890.93
E: 2519623.03
ELEV: 17.09

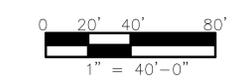
SMI RM=17.54
INVERT 3" PIPE=14.46

ILLUMINANCE SUMMARY										
TARGET PLANE: X-Y (HORIZ.) AT Z = 3.00'										
ILLUMINANCE: HORIZONTAL FC										
GRID NAME	NO. POINTS	AVG	MAX	MIN	A/M	M/M	UG	CV	GRID SIZE X	GRID SIZE Y
FIELD	72	21.9	36.9	13.8	1.59	2.68	1.95	0.27	30'	30'
TARGET PLANE: X-Y (HORIZ.) AT Z = 0.00'										
ILLUMINANCE: HORIZONTAL FC										
BLEACHERS	26	5.1	13.4	0.7	7.33	19.14	8.91	0.82	20'	20'
TARGET PLANE: X-Y (HORIZ.) AT Z = 3.00'										
ILLUMINANCE: HORIZONTAL FC										
PARKING	335	1.8	6.6	0.1	16.60	61.77	1.77	0.77	10'	10'
TARGET PLANE: X-Y (HORIZ.) AT Z = 3.00'										
ILLUMINANCE: HORIZONTAL FC										
CRT 1	45	20.2	35.2	9.5	2.13	3.70	2.22	0.35	10'	10'
TARGET PLANE: X-Y (HORIZ.) AT Z = 3.00'										
ILLUMINANCE: HORIZONTAL FC										
CRT 2	45	19.8	34.9	9.3	2.13	3.74	2.56	0.34	10'	10'

LUMINAIRE SUMMARY							
GRID	TYPE	CATALOG NUMBER	TEST NUMBER	INITIAL LUMENS	LLF	Q'TY	AVG. TILT
ALL	C	VFS-126L-880-4K7-4	18-00874	76110	0.90	16	1.00
	D	VFS-126L-880-4K7-5	18-00854	77423	0.90	19	1.00
Total Luminaires Combined Avg. Tilt						35	1.00

MOUNTING LOCATION SUMMARY							
MTG. LOC. LABEL (X, Y)	MTG. * HT. (FEET)	Q'TY PER LOC.	kW LOAD	TYPE			
				A	B	C	D
P1 (-120, 98)	40.0	5	4.20	-	-	3	2
P2 (0, 98)	40.0	4	3.36	-	-	2	2
P3 (120, 98)	40.0	5	4.20	-	-	3	2
P4 (-120, -98)	40.0	6	5.04	-	-	3	3
P5 (0, -98)	40.0	5	4.20	-	-	2	3
P6 (120, -98)	40.0	6	5.04	-	-	3	3
P7 (-373, -27)	40.0	2	1.68	-	-	-	2
P8 (-373, -119)	40.0	2	1.68	-	-	-	2
TOTAL		35	29.42	-	-	16	19

* MOUNTING HEIGHTS MEASURED FROM PLAYING SURFACE
MTG. LOCATION(S) (X, Y) ARE RELATIVE TO 0,0 AT



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Charleston, SC 29412
843-762-4242
Mechanical, Plumbing & Electrical

Notes

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BID DOCUMENTS	MBH	JDD	19.04.03
Issued	By	Appd.	YY.MM.DD

File Name:	Dwn.	Chkd.	Dsgn.	YY.MM.DD

Permit-Seal



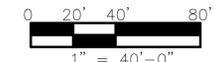
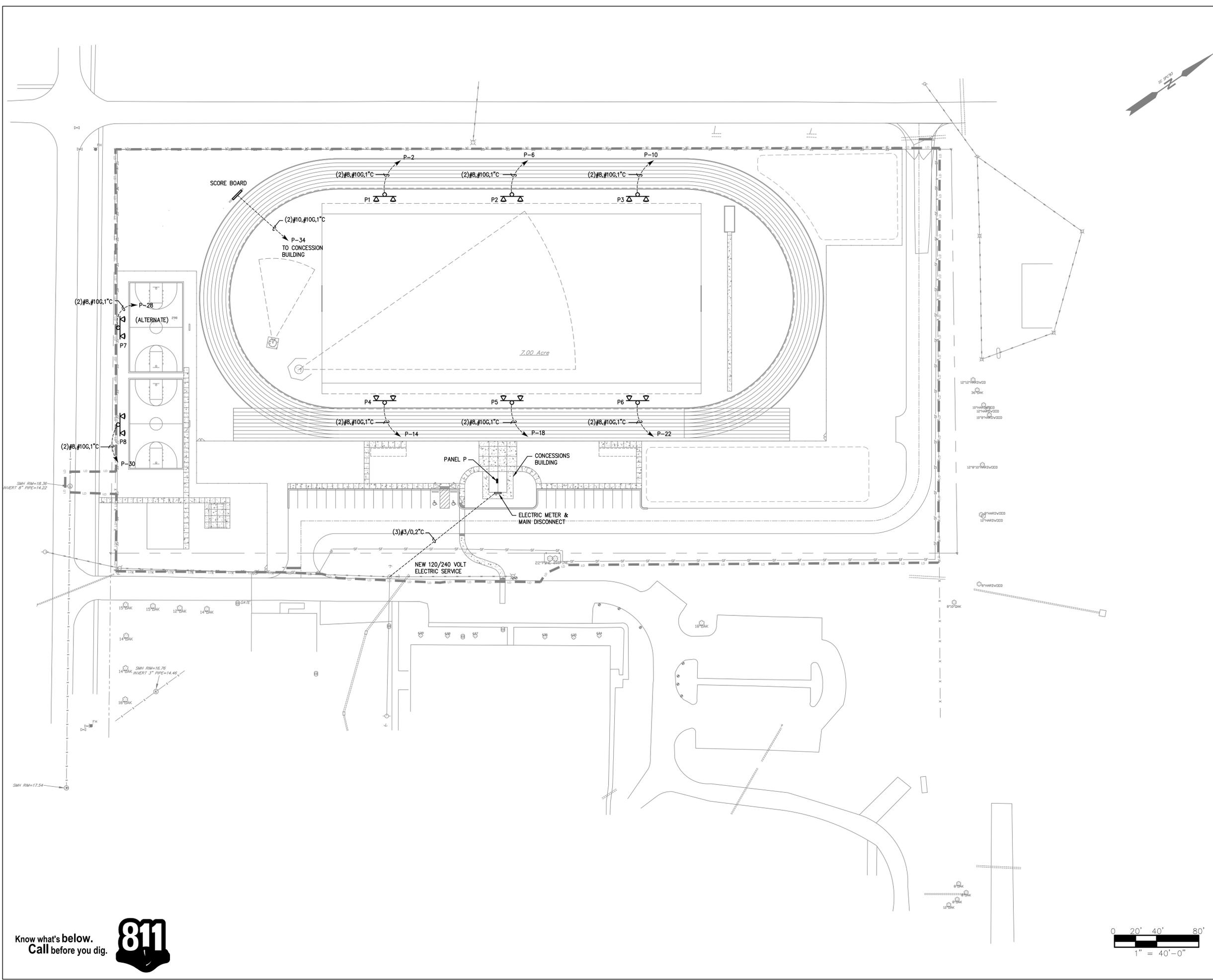
Client/Project
GEORGETOWN COUNTY
BECK RECREATION CENTER
GEORGETOWN, SC

Title

ELECTRICAL SITE PLAN

Project No.	Scale	
18100	1"=40'-0"	
Drawing No.	Sheet	Revision

E1.0



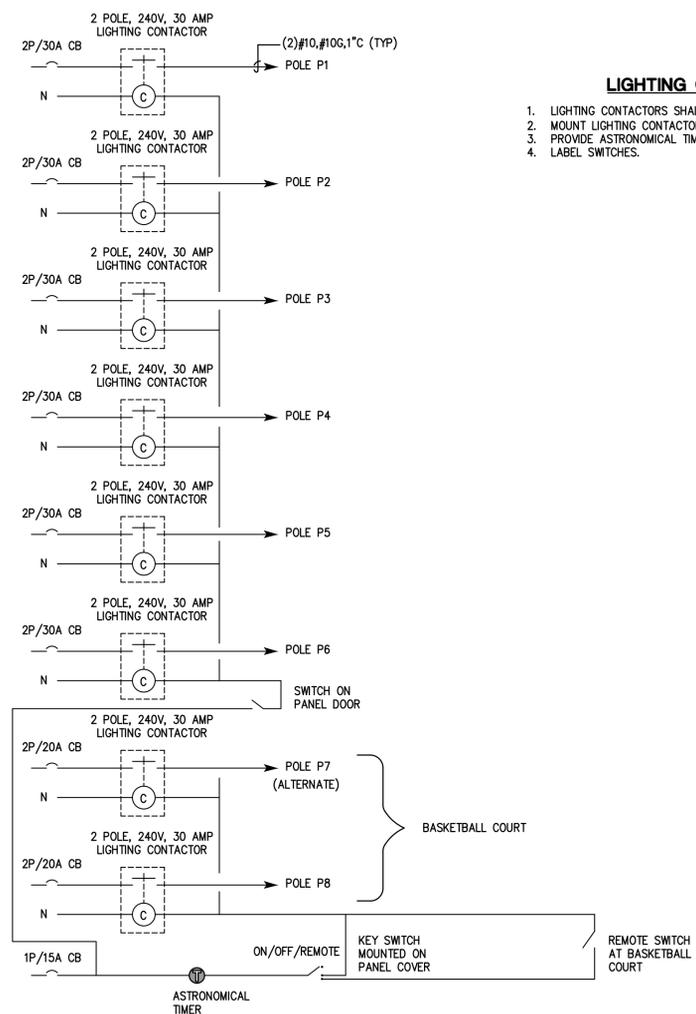
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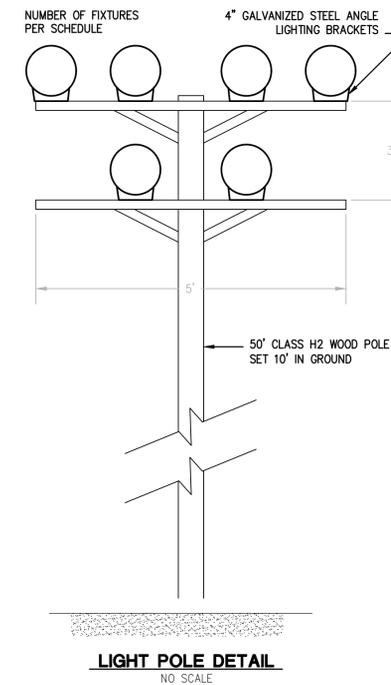
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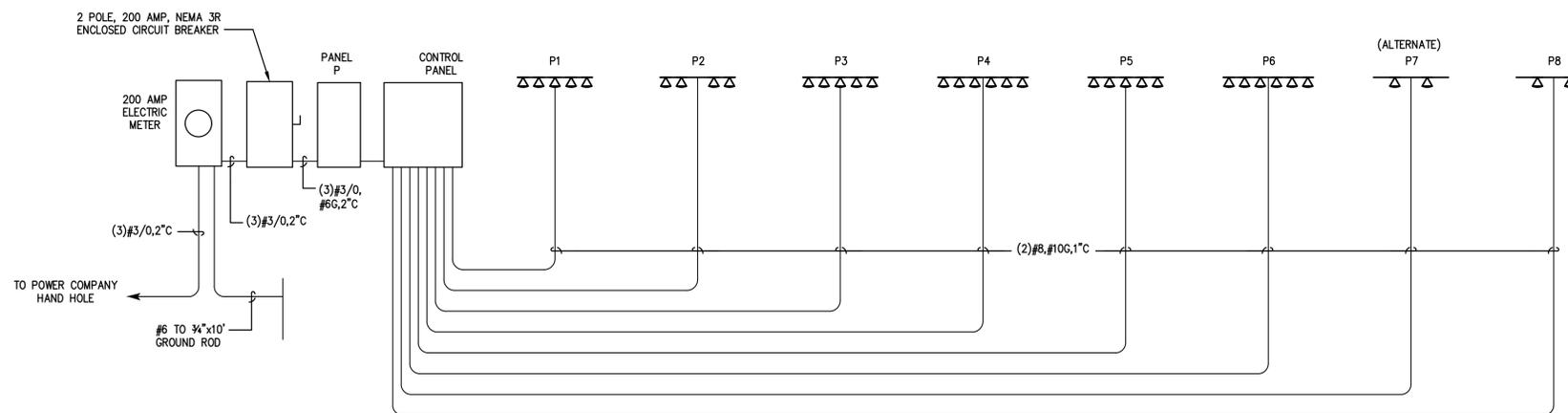
LIGHTING CONTROL DIAGRAM
NO SCALE

LIGHTING CONTROL NOTES

1. LIGHTING CONTACTORS SHALL BE 2 POLE, 30 AMP WITH 120 VOLT COILS.
2. MOUNT LIGHTING CONTACTORS AND TIMECLOCK IN 36"x24"x6" DEEP NEMA 4 ENCLOSURE.
3. PROVIDE ASTRONOMICAL TIMECLOCK EQUAL TO INTERMATIC MODEL ET70115C.
4. LABEL SWITCHES.



LIGHT POLE DETAIL
NO SCALE



ELECTRICAL RISER DIAGRAM
NO SCALE

Notes

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Revision	By	Appd.	YY.MM.DD

BID DOCUMENTS	MBH	JDD	19.04.03
Issued	By	Appd.	YY.MM.DD

File Name:	Dwn.	Chkd.	Dsgn.	YY.MM.DD
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Permit-Seal



Client/Project
GEORGETOWN COUNTY
BECK RECREATION CENTER
GEORGETOWN, SC

Title

ELECTRICAL DETAILS

Project No. 18100	Scale NO SCALE	Revision
Drawing No. E.2.1	Sheet	Revision

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