



PROJECT NO.	593120
DATE	FEBRUARY 7, 2020
REVISIONS	
DATE	DESCRIPTION

Sullivan Middle School Athletic Concessions and Restroom Building

ROCK HILL SCHOOLS, DISTRICT THREE
ROCK HILL, SOUTH CAROLINA

MOSELEYARCHITECTS

1320 MAIN STREET, SUITE 300, COLUMBIA, SC 29201
PHONE (803) 724-1252
MOSELEYARCHITECTS.COM

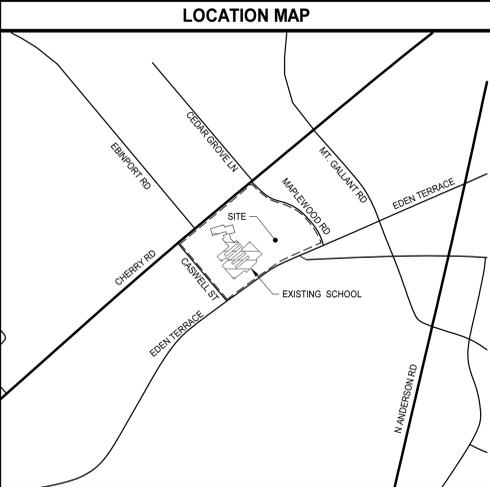
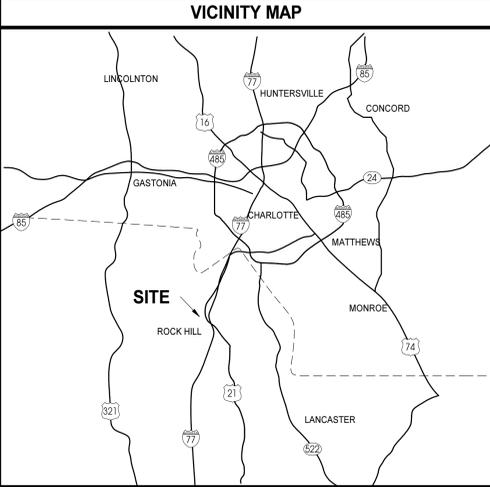
Moseley Architects Structural, Mechanical, Electrical, Plumbing
1320 Main Street, Suite 300, Columbia, SC 29201 www.moseleyarchitects.com

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E2.1	FLOOR PLAN - ELECTRICAL



FORM F3 BUILDING CODE ANALYSIS FORM

Table with project details: PROJECT (SULLIVAN MIDDLE SCHOOL ATHLETIC CONCESSIONS), DISTRICT (ROCK HILL DISTRICT 3), CODE & EDITION (CONCESSIONS PREFAB BUILDING, INTERNATIONAL BUILDING CODE 2018), GUIDE EDITION (2018).

BASIC BUILDING CODE INFORMATION

Table with building code information: DESIGNATED AREAS OF BUILDING, CONSTRUCTION CLASSIFICATION TYPE (II B), OCCUPANCY GROUP (A5), INCIDENTAL USE AREA SERRATION (NO), ACCESSORY OCCUPANCY (NO), MIXED OCCUPANCY (NO), NON SEPERATED (NO), SEPERATED (NO), OTHER FIRE PROTECTION SYSTEMS (NON-SPRINKLERED).

BUILDING AREA

Table with building area details: DESIGNATED AREAS OF BUILDING, AREA LIMIT BY PER STORY (II B), MAXIMUM AREA MODIFICATION PER STORY (-), MAXIMUM AREA PER STORY (UL), TOTAL ALLOWED AREA OF BUILDING (STORY 1: UL, STORY 2: -, STORY 3: -), AREA AS DESIGNED PER STORY (STORY 1: 720), TOTAL DESIGNED AREA OF BUILDING (720 SF).

BUILDING HEIGHT

Table with building height details: DESIGNATED AREAS OF BUILDING, HEIGHT (DESIGNED: 10'-0", ALLOWED: 55'-0"), ALLOWABLE BUILDING HEIGHT AND STORIES (IN FEET: 1, IN STORIES: 1).

BUILDING DESIGN OCCUPANT LOAD

Table with building design occupant load: DESIGNATED AREAS OF BUILDING, CONCESSIONS (4), TOTALS (4 OCC).

GENERAL FIRE PROTECTION REQUIREMENTS

Table with general fire protection requirements: DESIGNATED AREAS OF BUILDING, Fireblocking Required (NO), Draftstopping Required (NO), Smoke Control System Required (NO), Smoke Barriers Required (NO), Smoke Partitions Required (NO), Fire Partition Required (NO), ALARM & DETECTION (Fire Alarm System Required (NO), Emergency Alarm System Required (NO)), SUPPRESSION (Standpipes Required (NO), Sprinklered Required (NO), Sprinklered Provided (NO), Portable extinguishers required (YES), Other suppression systems required (NO), Smoke & heat vents required (NO)).

GENERAL FIRE PROTECTION REQUIREMENTS

Table with general fire protection requirements: DESIGNATED AREAS OF BUILDING, AREA OF REFUGE (Separation required (NO), Two-way communication provided (NO), Instruction provided (NO)), EXTERIOR AREA FOR ASSISTED RESCUE (Separation required (NO), Identification provided (NO)).

BUILDING AREA

Table with building area details: DESIGNATED AREAS OF BUILDING, NEW CONSTRUCTION, STRUCTURAL FRAME (As Required, As Designed, Testing Agency & Design, Wall/Partition Key Code), Bearing Walls, Exterior, Bearing Walls, Interior, Nonbearing Walls & Partitions, Nonbearing Walls & Partitions, Floor Construction, Roof Construction, Fire Walls, Fire Barriers, Shaft Enclosures, Fire Partitions.

OPENING FIRE PROTECTION ASSEMBLIES, RATINGS, AND MARKINGS (IBC TABLE 716.5)

Table with opening fire protection assemblies, ratings, and markings: Fire walls and fire barriers having a required fire-resistance rating greater than 1 hour, Fire barriers having a required fire-resistance rating of 1 hour, Other fire barriers, Exterior Walls.

FLOOD HAZARD INFORMATION AND FLOOD LOADS

PROJECT IS NOT IN A FLOOD ZONE

STRUCTURAL DESIGN INFORMATION, BUILDING

OCCUPANCY CATEGORY (IBC Table 1604.5) NEW CONSTRUCTION, REFER TO A0.2 FOR STRUCTURAL INFORMATION

SOILS & SITE

Table with soils & site information: SOILS INVESTIGATION REQUIRED? (YES), SOILS CLASSIFICATION (D), Presumptive Footing Bearing Pressure (1500 PSF), MINIMUM DESIGN SOIL BEARING LOAD (2000 PSF), COMPACTION (98%), ELEVATIONS (REFER TO A0.2 FOR ADDITIONAL STRUCTURAL INFORMATION).

MECHANICAL INFORMATION

Table with mechanical information: ATHLETIC CONCESSIONS, GENERAL INFORMATION, BUILDING LOCATION (ROCK HILL, SC (YORK COUNTY)), CLIMATE ZONE (3A), OUTDOOR DESIGN TEMPERATURE (SUMMER: 91.5 deg F DB, 74.3 deg F WB; WINTER: 23.5 deg F DB, - deg F WB), INDOOR DESIGN TEMPERATURE (SUMMER: - deg F DB, - % RH; WINTER: - deg F DB, - % RH), OUTSIDE AIR (600 CFM (EXHAUST), 300 CFM VENTILATION), OCCUPIED MINIMUM OUTSIDE AIR (5 cfm per person), CO2 DEMAND MANAGEMENT (No), SUPERVISED CONTROL SYSTEM (No), MECHANICAL SYSTEMS, SERVICE SYSTEMS & EQUIPMENT (VENTILATION (EXHAUST FANS)).

ELECTRICAL INFORMATION

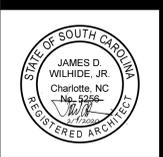
Table with electrical information: SERVICE TRANSFORMER (BY UTILITY, EXISTING, 4800 VOLTAGE/PHASE), ELECTRICAL SERVICE INFORMATION (Service Voltage/Phase: 225 AMPERES, Service Entrance Conductors Size: #1AW6, Total Connected Load: 79A, Estimated Maximum Demand: 4000 KVA, Available Fault Current in Symmetrical Amperes: 10K, 66 K), GROUNDING ELECTRODE SYSTEM COMPONENTS (REFER TO ELECTRICAL DRAWINGS), EMERGENCY SERVICE INFORMATION (Interrupting Capacity of Service Overcurrent Device: NO, FUEL, Evit/Emergency Lights Backup Power: BATTERY, Fire Alarm System: N/A), LIGHTNING PROTECTION PROVIDED (NO).

CODE REQUIRED BUILDING FIXTURE COUNTS - EXISTING BUILDING

Table with code required building fixture counts: OCCUPANCY (A-5 - BLEACHERS), WATER CLOSETS (MALE, FEMALE), LAVATORIES (MALE & FEMALE), DRINKING FOUNTAINS, UNISEX TOILET, SERVICE SINKS. Totals: 2, 2, 2, 4, 4, 1, 1, 1, 2, 0, 0, 1, 1.

PLUMBING INFORMATION

REFER TO P0.1 FOR PLUMBING INFORMATION



Sullivan Middle School Athletic Concessions and Restroom Building, ROCK HILL SCHOOLS, DISTRICT THREE, Rock Hill, South Carolina

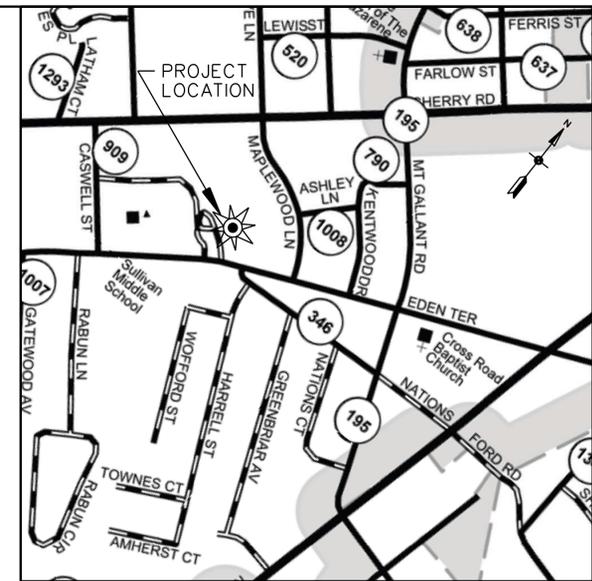
PROJECT NO: 593120, DATE: FEBRUARY 7, 2020, REVISIONS

Table with date and description for revisions.

PROJECT:

SULLIVAN MIDDLE SCHOOL ATHLETIC CONCESSIONS AND RESTROOM BUILDING

ROCK HILL, SOUTH CAROLINA



PROJECT LOCATION MAP
SCALE: NTS

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(803) 327-7121 WWW.CAMPCOENGINEERING.COM

SULLIVAN MIDDLE SCHOOL
ATHLETIC CONCESSIONS
AND RESTROOM BUILDING
ROCK HILL, SOUTH CAROLINA

OWNER:

ROCK HILL SCHOOLS
386 E. BLACK STREET
ROCK HILL, SOUTH CAROLINA 29730
TEL. (803) 981-1000
WWW.ROCK-HILL.K12.SC.US

NOTE: THE WORK CONTAINED
WITHIN THIS SET OF PLANS
IS BID PACKAGE 1.

DRAWING INDEX

C1.0	COVER SHEET
C1.1	SURVEY
C2.0	DEMOLITION & SITE PLAN
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C3.1	DRAINAGE & EROSION CONTROL DETAILS
C3.2	DRAINAGE & EROSION CONTROL DETAILS
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RW1.0	RETAINING WALL PLAN VIEW
RW1.1	RETAINING WALL ELEVATION
RW1.2	RETAINING WALL DETAILS
RW1.3	RETAINING WALL GENERAL NOTES

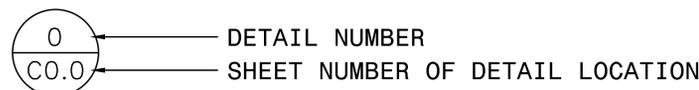
GENERAL CONSTRUCTION NOTES

- EXISTING PLANIMETRIC AND TOPOGRAPHIC INFORMATION WAS OBTAINED FROM SURVEY BY DONALDSON, GARRETT & ASSOCIATES DATED 12/20/2019.
- THE CONTRACTOR SHALL VERIFY THE EXISTING CONDITIONS AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES IN THE FIELD OR ON THE PLANS.
- MAINTENANCE OF TRAFFIC DURING CONSTRUCTION SHALL BE CONDUCTED IN ACCORDANCE WITH SCDOT STANDARDS AND SPECIFICATIONS.
- ALL CONSTRUCTION SHALL COMPLY WITH THE APPLICABLE SAFETY STANDARDS AND REQUIREMENTS.
- ALL EXISTING UTILITY LOCATIONS SHOWN ON THE PLANS ARE APPROXIMATE, AND SHALL BE FIELD VERIFIED BY THE CONTRACTOR BEFORE BEGINNING CONSTRUCTION. THE CONTRACTOR SHALL CONTACT SOUTH CAROLINA 811 AT WWW.SC811.COM OR CALL 811 - 72 HOURS PRIOR TO DIGGING.
- THE CONTRACTOR SHALL COORDINATE RELOCATION/REMOVAL OF EXISTING UTILITIES WITH THE UTILITY OWNER AS APPLICABLE.
- THE CONTRACTOR SHALL REPAIR ALL EXISTING CONDITIONS DAMAGED BY CONSTRUCTION TO THE ORIGINAL CONDITION.
- ALL WORKMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE WITH THE TECHNICAL SPECIFICATIONS FOR THE PROJECT AND THE REQUIREMENTS OF THE CITY OF ROCK HILL, SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL (SCDHEC), AND THE SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION (SCDOT), WHERE APPLICABLE.
- FOR SCDOT STANDARD DRAWINGS REFERENCED IN THE CONSTRUCTION PLANS SEE THE SCDOT STANDARD DRAWING MANUAL.
- ALL MATERIALS, CONSTRUCTION, AND PLANS ARE TO COMPLY WITH CURRENT CITY OF ROCK HILL STANDARD SPECIFICATIONS AND DETAILS.

PLANS PREPARED BY:

CAMPCO ENGINEERING, INC.
156 OAKLAND AVENUE
ROCK HILL, SOUTH CAROLINA 29730
TEL. (803) 327-7121
WWW.CAMPCOENGINEERING.COM

DETAIL REFERENCE SYMBOL



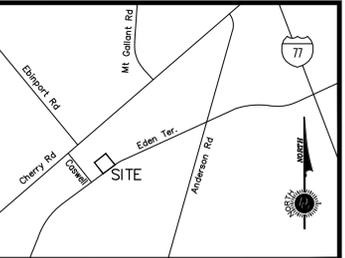
REVISIONS		
NO.	DATE	DESCRIPTION

COVER SHEET



CE: 9697-FH	ISSUED: 02-07-2020
SCALE: NA	CAD FILE: 9697-FHCVC1.0

C1.0



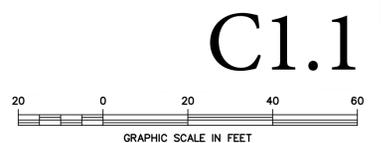
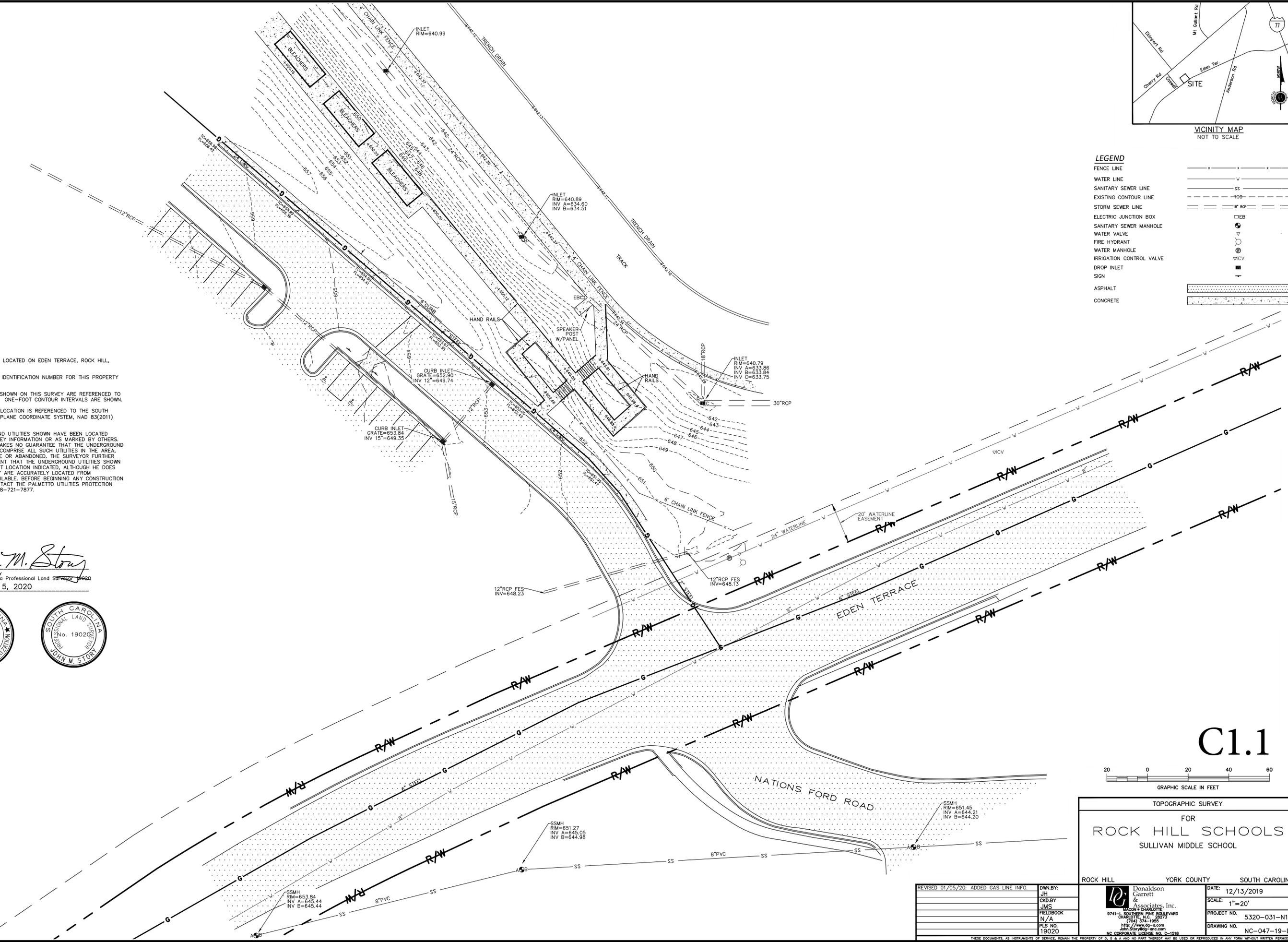
LEGEND

FENCE LINE	---
WATER LINE	~
SANITARY SEWER LINE	SS
EXISTING CONTOUR LINE	-100-
STORM SEWER LINE	---
ELECTRIC JUNCTION BOX	EB
SANITARY SEWER MANHOLE	SMH
WATER VALVE	WV
FIRE HYDRANT	FH
WATER MANHOLE	WMH
IRRIGATION CONTROL VALVE	ICV
DROP INLET	DI
SIGN	S
ASPHALT	--- (stippled)
CONCRETE	--- (dotted)

NOTES

1. THE PROPERTY IS LOCATED ON EDEN TERRACE, ROCK HILL, SOUTH CAROLINA.
2. THE TAX PARCEL IDENTIFICATION NUMBER FOR THIS PROPERTY IS 6321001001.
3. THE ELEVATIONS SHOWN ON THIS SURVEY ARE REFERENCED TO NAVD 88 DATUM. ONE-FOOT CONTOUR INTERVALS ARE SHOWN.
4. THE HORIZONTAL LOCATION IS REFERENCED TO THE SOUTH CAROLINA STATE PLANE COORDINATE SYSTEM, NAD 83(2011) DATUM.
5. ANY UNDERGROUND UTILITIES SHOWN HAVE BEEN LOCATED FROM FIELD SURVEY INFORMATION OR AS MARKED BY OTHERS. THE SURVEYOR MAKES NO GUARANTEE THAT THE UNDERGROUND UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED. THE SURVEYOR FURTHER DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED, ALTHOUGH HE DOES STATE THAT THEY ARE ACCURATELY LOCATED FROM INFORMATION AVAILABLE. BEFORE BEGINNING ANY CONSTRUCTION OR BORINGS, CONTACT THE PALMETTO UTILITIES PROTECTION SERVICE AT 1-888-721-7877.

John M. Story
 John M. Story
 South Carolina Professional Land Surveyor 19020
 February 5, 2020
 Date

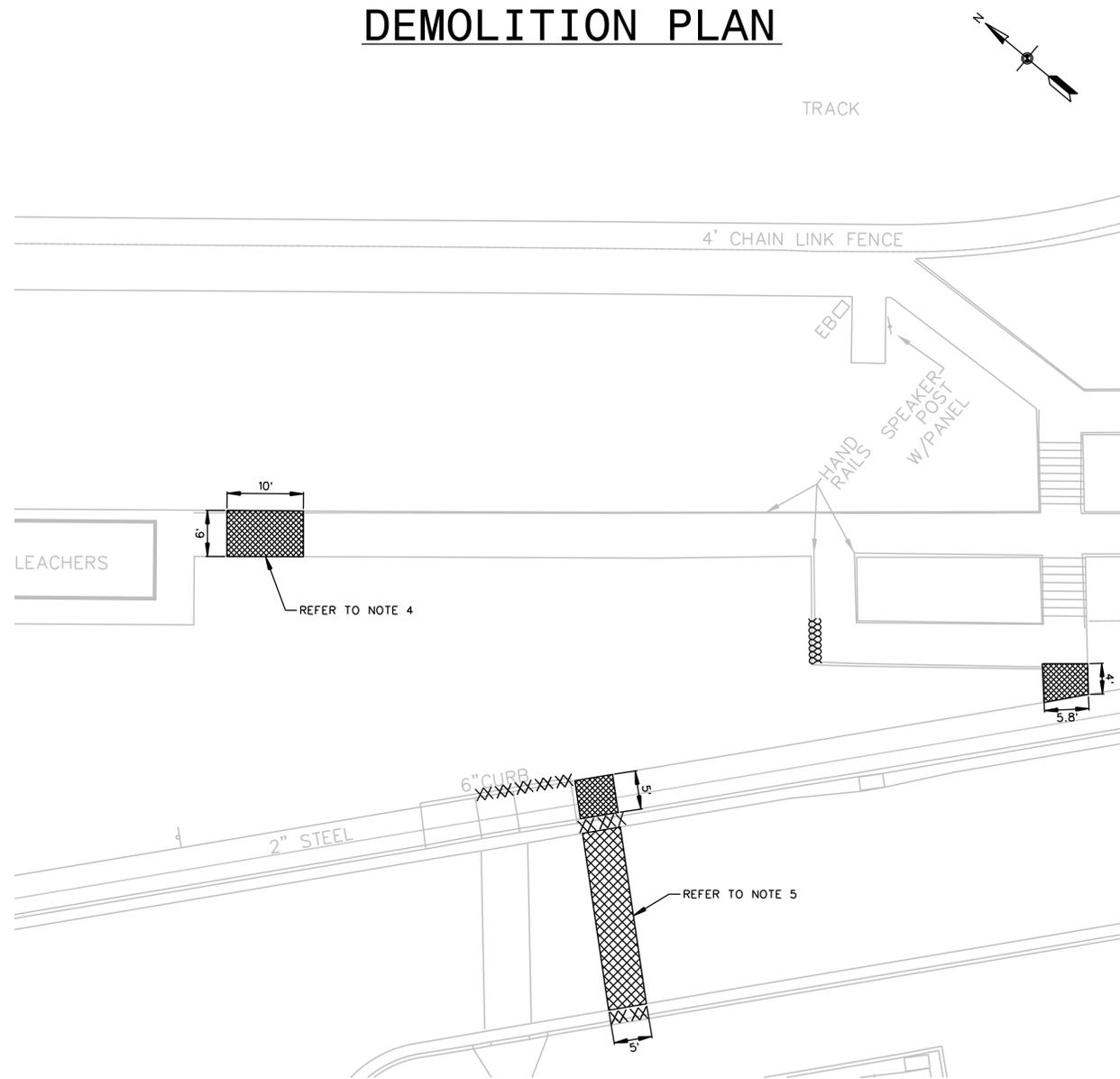


TOPOGRAPHIC SURVEY
 FOR
ROCK HILL SCHOOLS
 SULLIVAN MIDDLE SCHOOL
 ROCK HILL YORK COUNTY SOUTH CAROLINA

REVISED 01/05/20: ADDED GAS LINE INFO.	DWN.BY: JH	DATE: 12/13/2019
	CKD.BY: JMS	SCALE: 1"=20'
	FIELDBOOK: N/A	PROJECT NO.: 5320-031-N1
	PLS. NO.: 19020	DRAWING NO.: NC-047-19-D



DEMOLITION PLAN



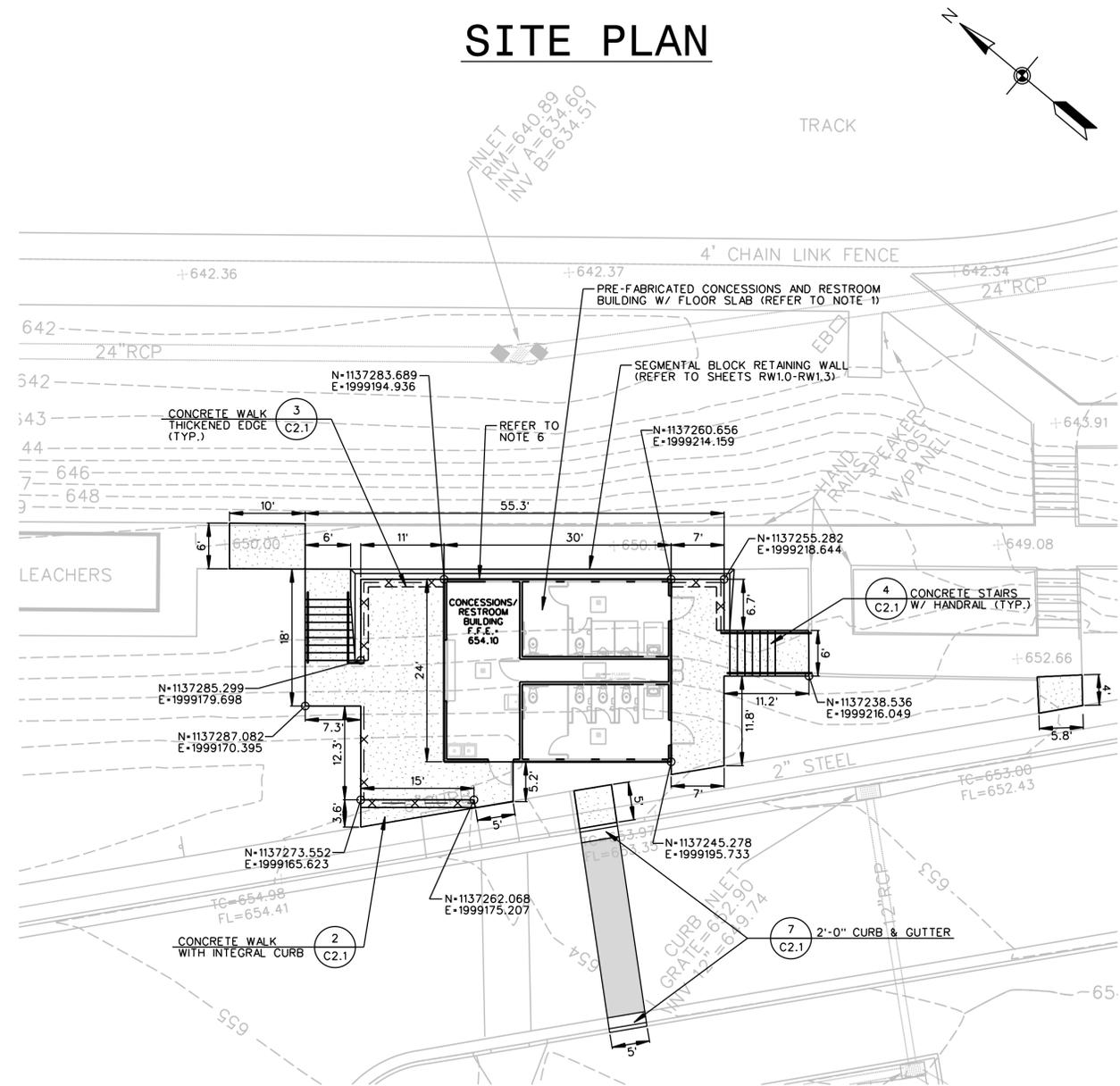
DEMOLITION NOTES:

- ALL DEBRIS FROM DEMOLITION SHALL BE REMOVED FROM THE SITE & DISPOSED IN ACCORDANCE WITH LOCAL, STATE & FEDERAL REQUIREMENTS.
- COORDINATE RELOCATION & REMOVAL OF EXISTING UTILITIES WITH UTILITY OWNERS.
- SAW CUT AND REMOVE A 2' MIN. WIDE STRIP OF ASPHALT PAVEMENT AND AGGREGATE BASE COURSE WHERE CURB AND GUTTER SECTION IS TO BE REMOVED. WHERE EXISTING CURB HAS TIGHT RADII, SAW CUT OF PAVEMENT SHALL BE SQUARED OFF INSTEAD OF FOLLOWING GUTTER RADII.
- REFER TO SITE PLAN ON THIS SHEET FOR LOCATION OF SIDEWALK REMOVAL.
- REFER TO UTILITY PLAN (SHEET C4.0) FOR LOCATION OF SIDEWALK, CURB, AND ASPHALT PAVEMENT REMOVAL WIDTH OF AREA REMOVED TO BE CENTERED ON SANITARY SEWER SERVICE.

LEGEND

- SAW CUT & REMOVE EXISTING ASPHALT PAVEMENT & AGGREGATE BASE COURSE
- SAW CUT & REMOVE CONCRETE SIDEWALK
- SAW CUT & REMOVE CONCRETE CURB
- REMOVE HANDRAIL

SITE PLAN



STAKING NOTES:

- PRE-FABRICATED CONCESSIONS AND RESTROOM BUILDING W/ FLOOR SLAB IS PART OF BID PACKAGE 2. CONTRACTOR TO COORDINATE WITH BUILDING CONTRACTOR ON THE INSTALLATION OF PRE-FABRICATED BUILDING.
- ALL DIMENSIONS ARE TO BACK OF CURB WHERE CURB AND GUTTER IS SHOWN, TO FACE OF BUILDING, TO EDGE OF PAVEMENT, OR TO PROPERTY LINE UNLESS OTHERWISE NOTED.
- ALL DIMENSIONS ARE 90 DEGREES UNLESS OTHERWISE NOTED.
- REFER TO ARCHITECTURAL PLANS FOR ALL BUILDING DIMENSIONS.
- ALL FENCING, POST, RAILS, AND HARDWARE ARE TO BE BLACK VINYL COATED.
- PLACE 1/2" EXPANSION JOINT BETWEEN TOP OF SEGMENTAL BLOCK RETAINING WALL AND WALL OF PREFABRICATED BUILDING PER DETAIL 5 ON SHEET C2.1. CONTRACTOR TO ATTACH TO RETAINING WALL PRIOR TO PLACEMENT OF PRE-FABRICATED BUILDING IN BID PACKAGE 2.

LEGEND

- CONCRETE SIDEWALK
- FULL DEPTH PAVEMENT REPAIR
- 4' VINYL COATED CHAIN LINK FENCE (REFER TO NOTE 5)

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ATHLETIC CONCESSIONS
AND RESTROOM BUILDING
ROCK HILL, SOUTH CAROLINA

REVISIONS

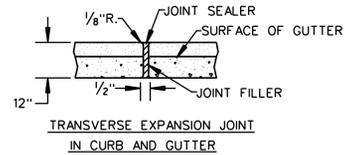
NO.	DATE	DESCRIPTION

DEMOLITION & SITE PLAN

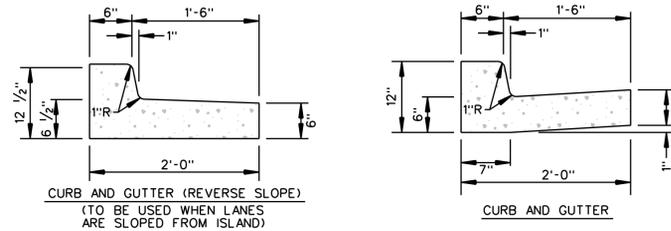


CE: 9697-FH ISSUED: 02-07-2020
SCALE: 1"=10' 9697-FHDMSTC2.0

C2.0



TRANSVERSE EXPANSION JOINT
IN CURB AND GUTTER



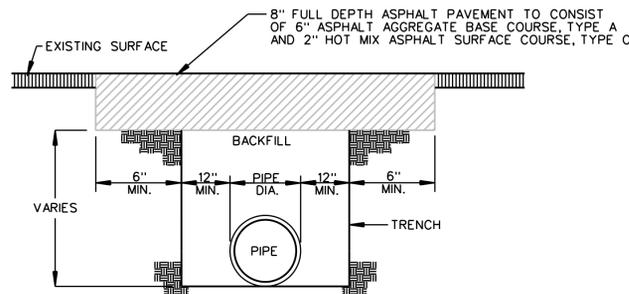
CURB AND GUTTER (REVERSE SLOPE)
(TO BE USED WHEN LANES
ARE SLOPED FROM ISLAND)

CURB AND GUTTER

GENERAL NOTES:

1. EXPANSION JOINTS SHALL BE ADJACENT TO ALL RIGID OBJECTS.
2. JOINTS SHALL MATCH LOCATIONS WITH JOINT IN ADJUTING SIDEWALK.
3. CONCRETE SHALL BE 3000 P.S.I.

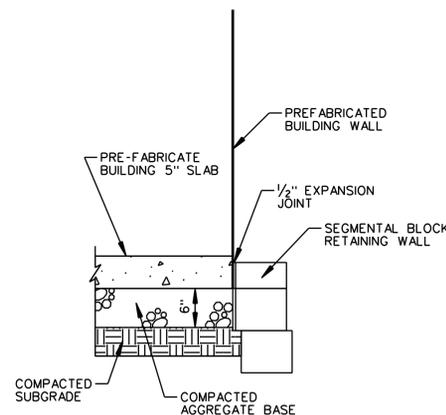
7 CURB AND GUTTER
C2.1 NTS



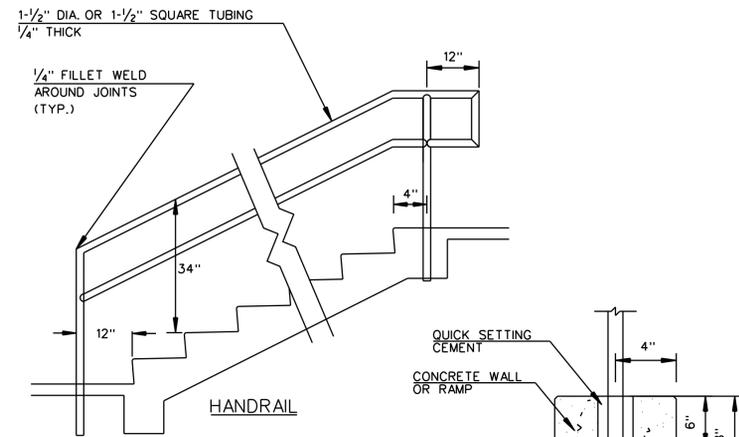
NOTES:

1. EXISTING PAVEMENT SHALL BE CUT IN NEAT LINES.
2. BACKFILL SHALL BE "FLOWABLE FILL" FOR ROADWAY CROSSINGS AND STEEL PLATED FOR A MINIMUM OF 7 DAYS.

6 PAVEMENT REPAIR
C2.1 NTS



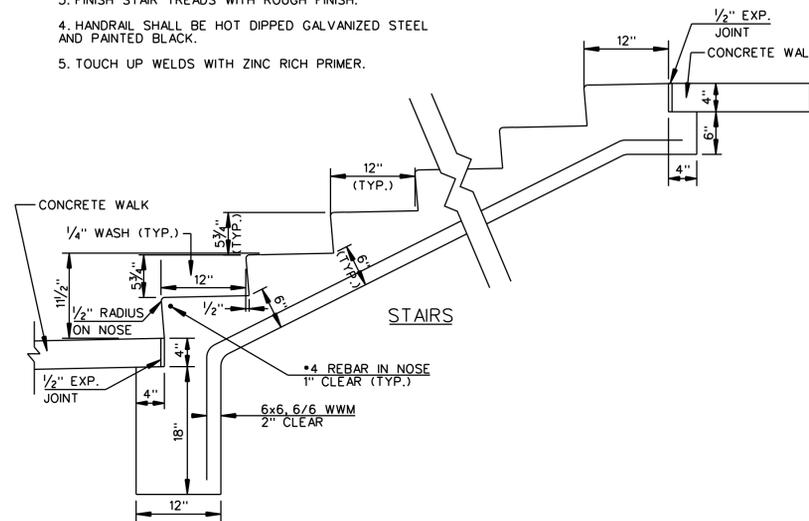
5 PRE-FABRICATED BUILDING
AT RETAINING WALL
C2.1 NTS



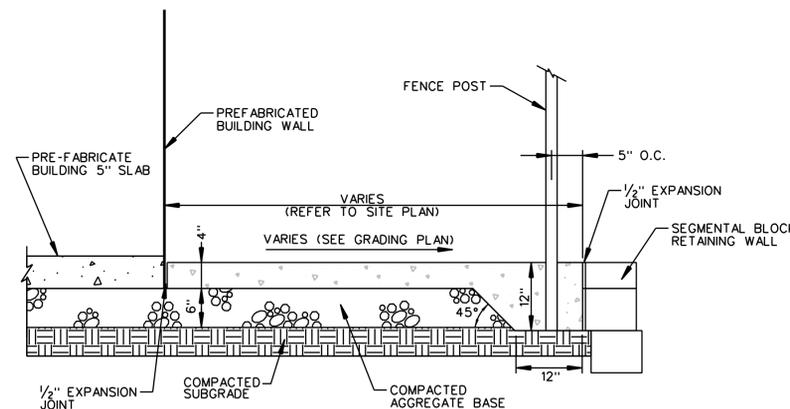
FIXED EMBEDMENT

NOTES:

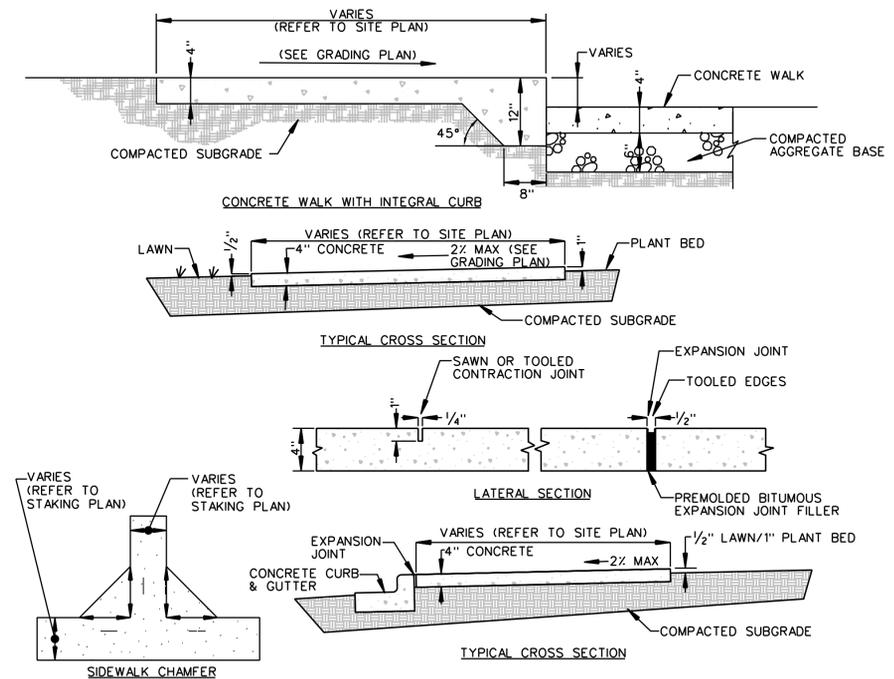
1. CONCRETE SHALL BE 3000 P.S.I. IN 28 DAYS.
2. NUMBER OF RISERS VARY, REFER TO STAKING PLAN.
3. FINISH STAIR TREADS WITH ROUGH FINISH.
4. HANDRAIL SHALL BE HOT DIPPED GALVANIZED STEEL AND PAINTED BLACK.
5. TOUCH UP WELDS WITH ZINC RICH PRIMER.



4 CONCRETE STAIRS WITH HANDRAIL
C2.1 NTS



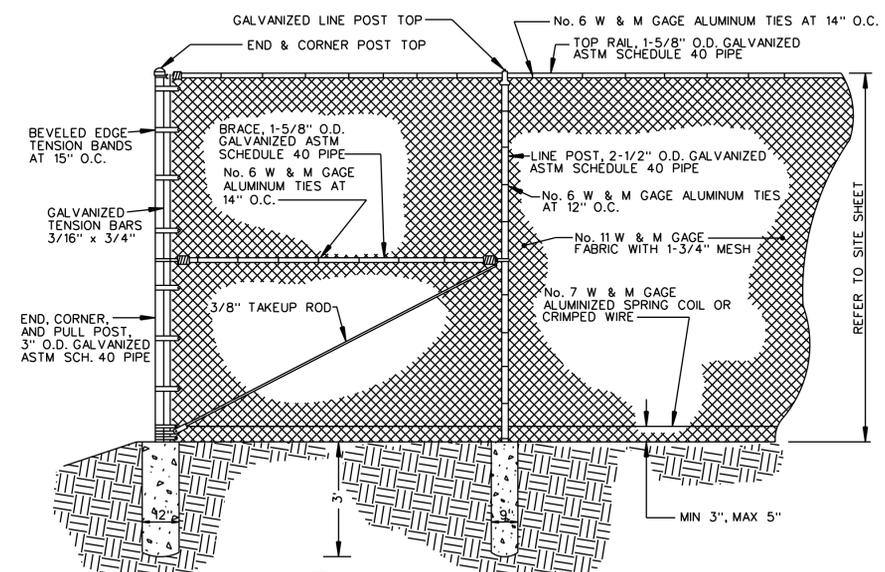
3 CONCRETE WALK THICKENED EDGE
AT RETAINING WALL
C2.1 NTS



SIDEWALK CHAMFER

- GENERAL NOTES:
1. A GROOVE JOINT 1" DEEP WITH A 1/8" RADIUS SHALL BE REQUIRED IN THE CONCRETE SIDEWALK AT 5' INTERVALS. ONE 1/2" EXPANSION JOINT IS REQUIRED AT 45' INTERVALS. A 1/2" EXPANSION JOINT IS REQUIRED WHERE THE SIDEWALK JOINS ANY RIGID STRUCTURE.
 2. CONCRETE SHALL BE 3000 P.S.I. IN 28 DAYS.

2 CONCRETE WALK
C2.1 NTS



1 CHAIN LINK FENCE
C2.1 NTS

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ROCK HILL, SOUTH CAROLINA

REVISIONS		
NO.	DATE	DESCRIPTION

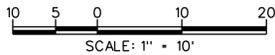
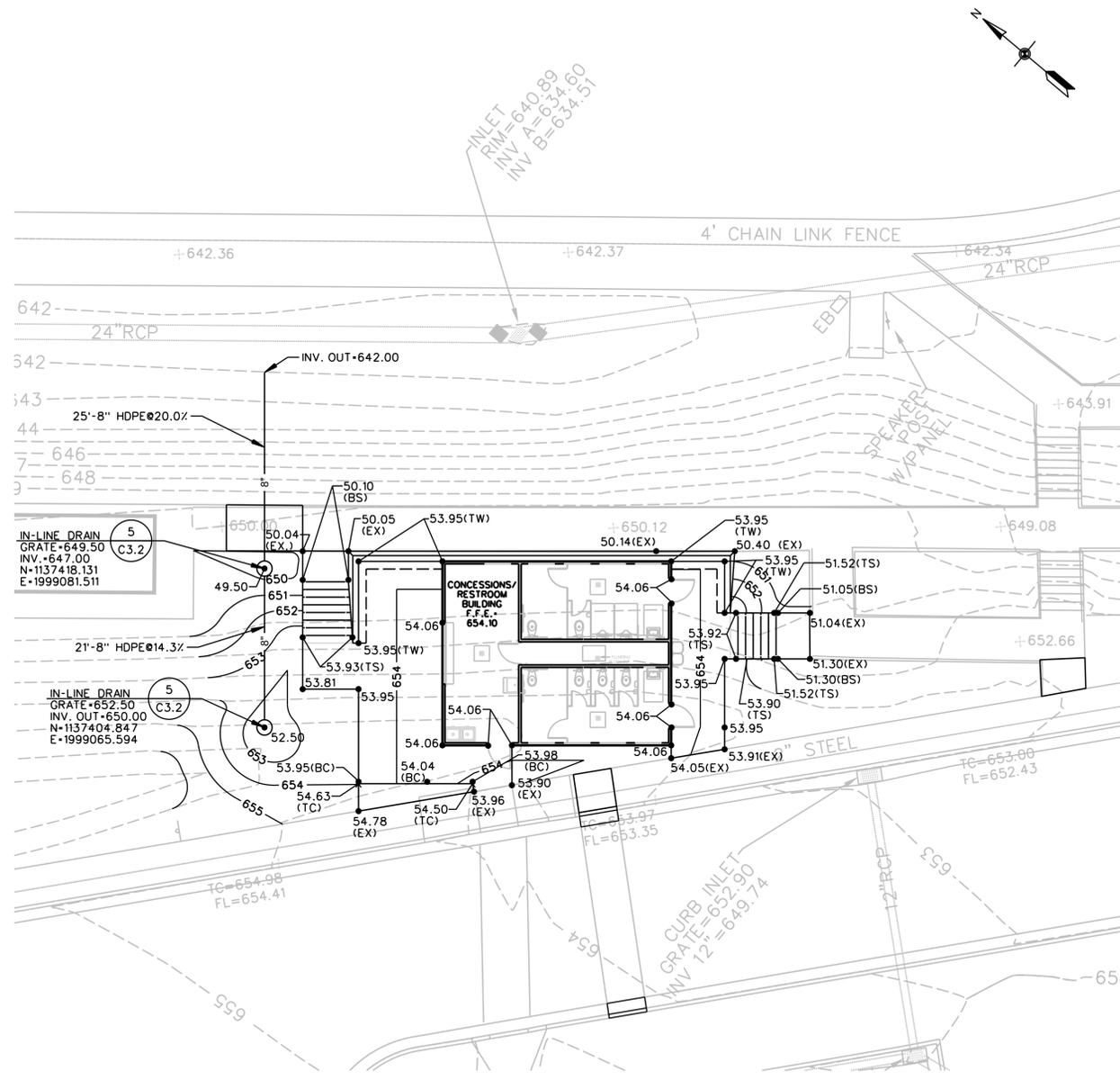
SITE DETAILS

02-07-2020

CE: 9697-FH	ISSUED: 02-07-2020
SCALE: NA	CAD FILE: 9697-FHDT2.C2.1

C2.1

GRADING/DRAINAGE PLAN



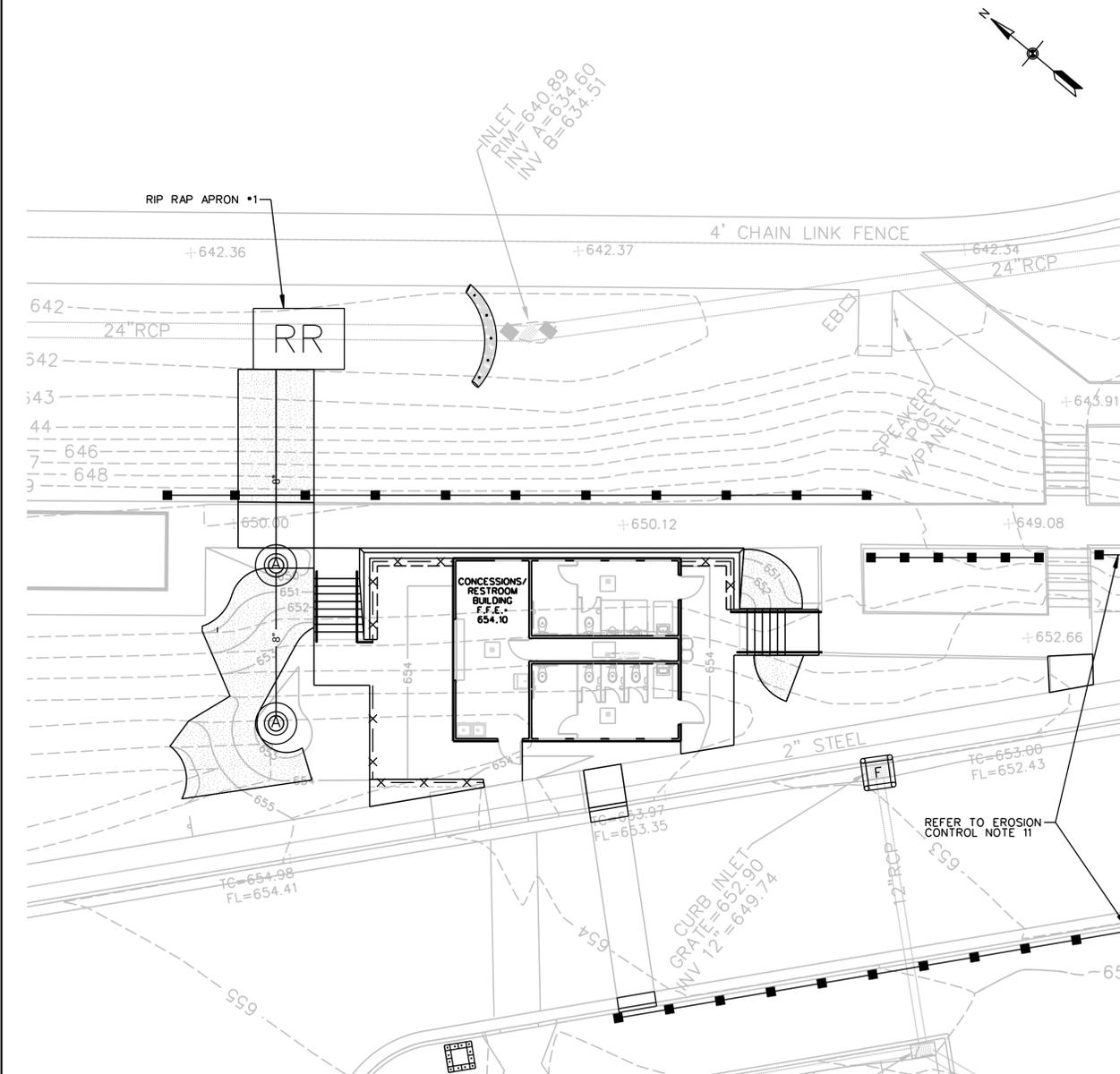
- GRADING NOTES:**
- CONTOURS ARE TO FINISH GRADE.
 - GRADE LANDSCAPE AREAS OUTSIDE PAVEMENT AND GRAVEL TO ELEVATION OF 6" BELOW FINISHED GRADE MINIMUM, SUCH THAT TOPSOIL MAY BE SPREAD OVER THESE AREAS TO FINISHED GRADE.
 - GRADE AND FINISH AREAS SUCH THAT POSITIVE DRAINAGE OCCURS AT EACH DRAINAGE INLET AS DESIGNED.
 - ALL SPOT ELEVATIONS AROUND INTEGRAL CURB ARE TOP OF CURB AND ARE IDENTIFIED AS "X".
 - FINISHED GRADE SPOT ELEVATIONS ARE IDENTIFIED AS "•".
 - ADD 600 TO ALL SPOT ELEVATIONS UNLESS OTHERWISE NOTED.
 - SURFACE ELEVATION OF AGGREGATE BASE COURSE UNDER PREFABRICATED BUILDING SHALL BE SET AT 5" BELOW FINISHED FLOOR ELEVATION (F.F.E.).
 - CONTRACTOR TO CONFIRM EXISTING ELEVATIONS AND NOTIFY ENGINEER WITH DISCREPANCIES.

- STORM DRAINAGE RECORD PLAN REQUIRED DATA:**
- AT PROJECT'S COMPLETION, CONTRACTOR SHALL PROVIDE THE ENGINEER WITH A RECORD PLAN SURVEY OF THE PROJECT'S CLOSED DRAINAGE SYSTEM. THE RECORD PLAN SURVEY SHOULD BE COMPLETED BY A LICENSED LAND SURVEYOR AND INCLUDE THE FOLLOWING INFORMATION:
 - ALL NEW CLOSED DRAINAGE STRUCTURES SHALL IDENTIFY THE STRUCTURE'S RIM/HOOD/GRATE ELEVATION, ALL INVERT-IN ELEVATION(S), AND INVERT-OUT ELEVATION.
 - ALL NEW CLOSED DRAINAGE SYSTEM PIPES SHALL IDENTIFY PIPE'S LENGTH, DIAMETER, MATERIAL, AND SLOPE.

- LEGEND**
- (EX.) EXISTING ELEVATION (REFER TO GRADING NOTE B)
 - (TC) TOP OF INTEGRAL CURB
 - (BC) BOTTOM OF INTEGRAL CURB
 - (TS) TOP OF STEP
 - (BS) BOTTOM OF STEP
 - (TW) TOP OF WALL

- STORM DRAINAGE NOTES:**
- THE PIPE LENGTHS SHOWN ARE MEASURED FROM CENTER TO CENTER OF STRUCTURES.
 - COORDINATE LOCATION FOR DRAINAGE STRUCTURES IS CENTER OF STRUCTURE.

EROSION CONTROL PLAN



EROSION CONTROL NOTES:

- LOCATION OF EXISTING UTILITIES AND OTHER SITE FEATURES SHALL BE FIELD VERIFIED PRIOR TO INITIATING CONSTRUCTION ACTIVITIES. THE ENGINEER SHALL BE NOTIFIED WITH ANY DISCREPANCIES.
- AREA OF DISTURBANCE: 0.15 ACRES
- REFER TO SHEET C3.2 AND SPECIFICATIONS FOR GRASSING REQUIREMENTS.
- EROSION CONTROL MEASURES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE LATEST EDITION OF THE SCDHEC STORM WATER MANAGEMENT BMP HANDBOOK.
- CONTRACTOR SHALL INSTALL ADDITIONAL MEASURES TO CONTROL EROSION AND/OR OFF-SITE SEDIMENT AS REQUIRED BY SCDHEC AND/OR THE LOCAL GOVERNING AGENCY.
- REFER TO ACCOMPANYING PROJECT MANUAL FOR ADDITIONAL INFORMATION. THIS SHEET FOR EROSION CONTROL CONSTRUCTION SCHEDULE AND SHEET C3.2 FOR EROSION CONTROL MAINTENANCE SCHEDULE/STANDARD NOTES.
- THERE IS NO FLOOD PLAN PRESENT ON THIS SITE. FIRM PANEL NO. 45091C0309E, COMMUNITY: YORK COUNTY, DATED: 09-26-08
- SLOPE PROTECTION MATTING SHALL BE SC 150 AS MANUFACTURED BY NORTH AMERICAN GREEN OR APPROVED EQUAL. MATTING SHALL BE INSTALLED ON ALL SLOPES 4:1 AND STEEPER IN ACCORDANCE TO THE MANUFACTURERS REQUIREMENTS.
- REFER TO SHEET C4.0 FOR EROSION CONTROL MEASURE FOR OFF-SITE UTILITIES.

EROSION CONTROL CONSTRUCTION SCHEDULE

- OBTAIN SEDIMENT AND EROSION CONTROL PERMIT FROM SCDHEC AND CITY OF ROCK HILL.
- CLEAR AND GRUB AREAS FOR INSTALLATION OF PERIMETER CONTROLS.
- INSTALL SEDIMENT FENCE AND EXISTING INLET PROTECTIONS.
- SCHEDULE AND ON-SITE CONFERENCE WITH THE OWNER'S REPRESENTATIVE AND CITY OF ROCK HILL INSPECTOR, IF REQUIRED BY THE PERMIT.
- CLEAR AND GRUB REMAINDER OF SITE.
- BEGIN SITE GRADING.
- INSTALL RETAINING WALL.
- GRADE BUILDING PAD AND SIDEWALK AREAS.
- INSTALL UTILITIES.
- SET PREFABRICATED BUILDING AND INSTALL SIDEWALKS AND STAIRS.
- FINE GRADE AROUND CONCRETE AREAS TO DRAIN.
- APPLY STABILIZATION MEASURES (PERMANENT SEEDING) AND SLOPE PROTECTION MATTING AS SOON AS GRADING IS COMPLETE (REFER TO MAINTENANCE SCHEDULE).
- AFTER SITE IS STABILIZED, ACQUIRE PERMISSION FROM OWNER'S REPRESENTATIVE AND CITY OF ROCK HILL REPRESENTATIVES, TO REMOVE TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES. REPAIR AND STABILIZE DISTURBED AREAS.

LEGEND

- (3) C3.1 SEDIMENT TUBE
- (2) C3.1 SILT FENCE
- (5) C3.1 TYPE A - SEDIMENT TUBE INLET PROTECTION
- (4) C3.1 TYPE F - INLET TUBE
- (4) C3.2 SLOPE PROTECTION MATTING (REFER TO NOTE B)
- (1) C3.2 RIPRAP APRON
- (1) C3.1 CONCRETE WASHOUT

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**SULLIVAN MIDDLE SCHOOL
ATHLETIC CONCESSIONS
AND RESTROOM BUILDING**
 ROCK HILL, SOUTH CAROLINA

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GRADING/DRAINAGE & EROSION CONTROL PLAN

02-07-2020

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C3.0

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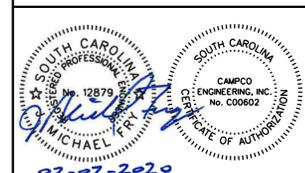
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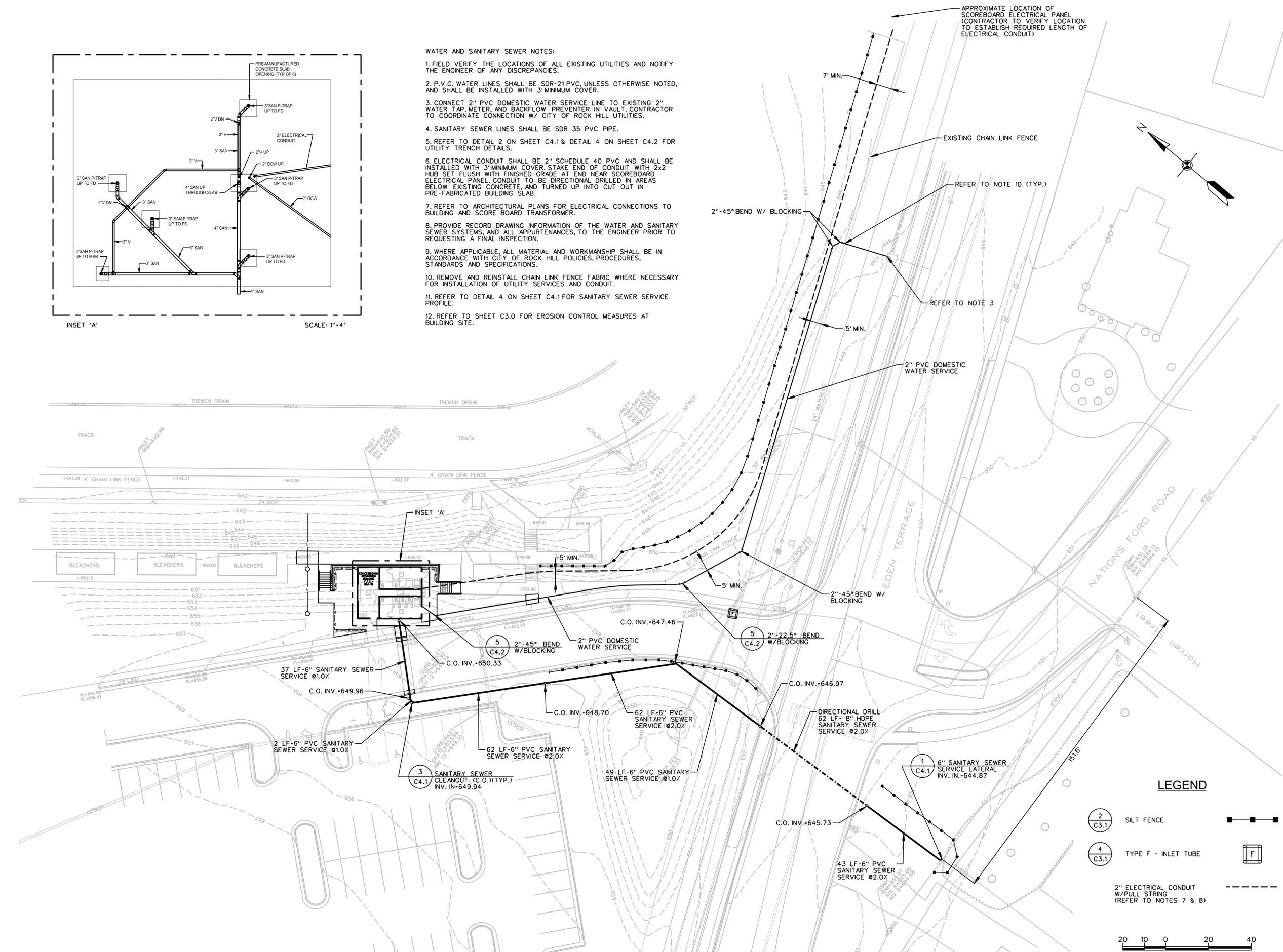
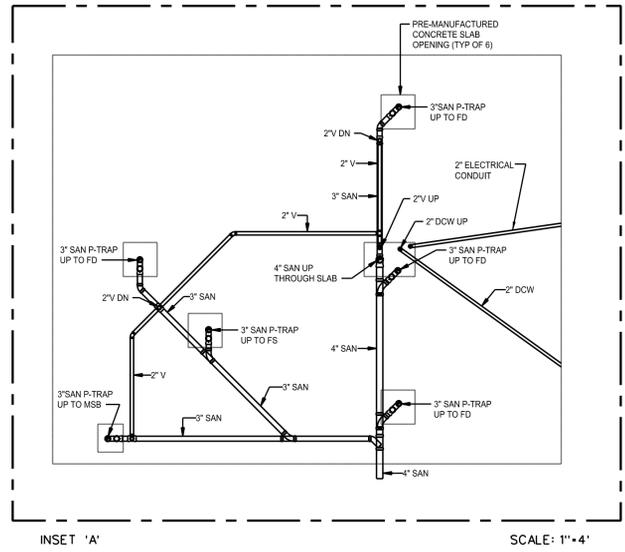
UTILITY PLAN



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C4.0

- WATER AND SANITARY SEWER NOTES:**
1. FIELD VERIFY THE LOCATIONS OF ALL EXISTING UTILITIES AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES.
 2. P.V.C. WATER LINES SHALL BE SDR-21 PVC, UNLESS OTHERWISE NOTED, AND SHALL BE INSTALLED WITH 3" MINIMUM COVER.
 3. CONNECT 2" PVC DOMESTIC WATER SERVICE LINE TO EXISTING 2" WATER TAP, METER, AND BACKFLOW PREVENTER IN VAULT. CONTRACTOR TO COORDINATE CONNECTION W/ CITY OF ROCK HILL UTILITIES.
 4. SANITARY SEWER LINES SHALL BE SDR 35 PVC PIPE.
 5. REFER TO DETAIL 2 ON SHEET C4.1 & DETAIL 4 ON SHEET C4.2 FOR UTILITY TRENCH DETAILS.
 6. ELECTRICAL CONDUIT SHALL BE 2" SCHEDULE 40 PVC AND SHALL BE INSTALLED WITH 3" MINIMUM COVER. STAKE END OF CONDUIT WITH 2x2 HUB SET FLUSH WITH FINISHED GRADE AT END NEAR SCOREBOARD ELECTRICAL PANEL. CONDUIT TO BE DIRECTIONAL DRILLED IN AREAS BELOW EXISTING CONCRETE, AND TURNED UP INTO CUT OUT IN PRE-FABRICATED BUILDING SLAB.
 7. REFER TO ARCHITECTURAL PLANS FOR ELECTRICAL CONNECTIONS TO BUILDING AND SCORE BOARD TRANSFORMER.
 8. PROVIDE RECORD DRAWING INFORMATION OF THE WATER AND SANITARY SEWER SYSTEMS, AND ALL APPURTENANCES, TO THE ENGINEER PRIOR TO REQUESTING A FINAL INSPECTION.
 9. WHERE APPLICABLE, ALL MATERIAL AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH CITY OF ROCK HILL POLICIES, PROCEDURES, STANDARDS AND SPECIFICATIONS.
 10. REMOVE AND REINSTALL CHAIN LINK FENCE FABRIC WHERE NECESSARY FOR INSTALLATION OF UTILITY SERVICES AND CONDUIT.
 11. REFER TO DETAIL 4 ON SHEET C4.1 FOR SANITARY SEWER SERVICE PROFILE.
 12. REFER TO SHEET C3.0 FOR EROSION CONTROL MEASURES AT BUILDING SITE.



LEGEND

- 2 (C3.1) SILT FENCE
- 4 (C3.1) TYPE F - INLET TUBE
- 2" ELECTRICAL CONDUIT W/PULL STRING (REFER TO NOTES 7 & 8)

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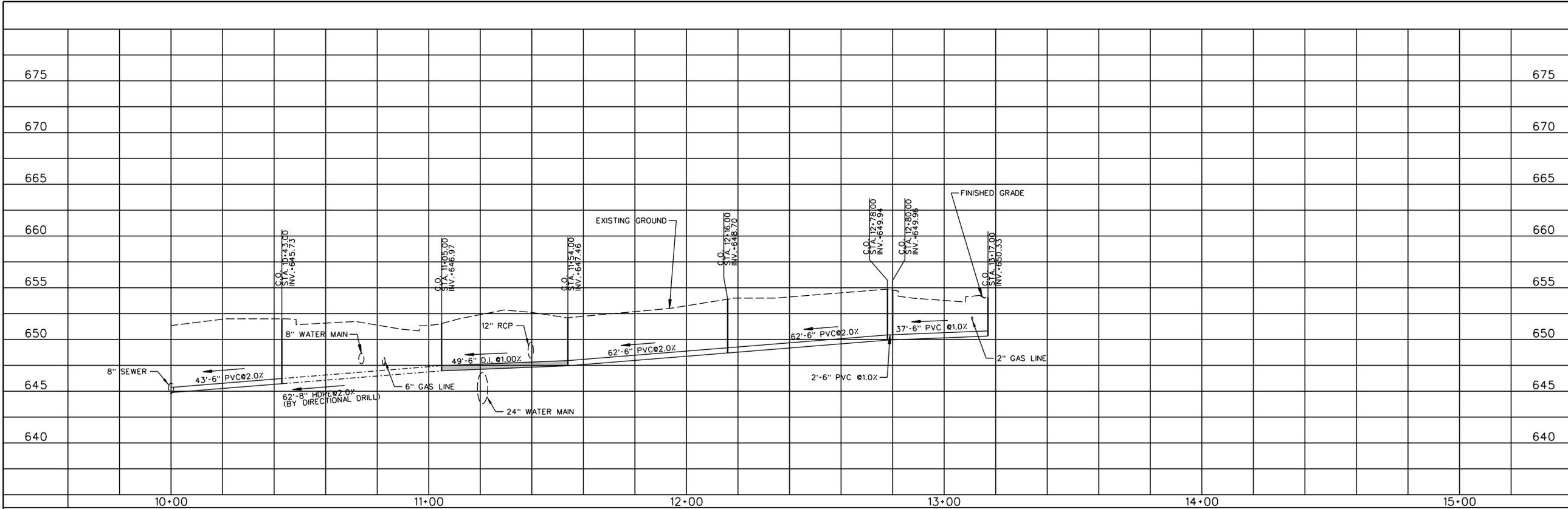
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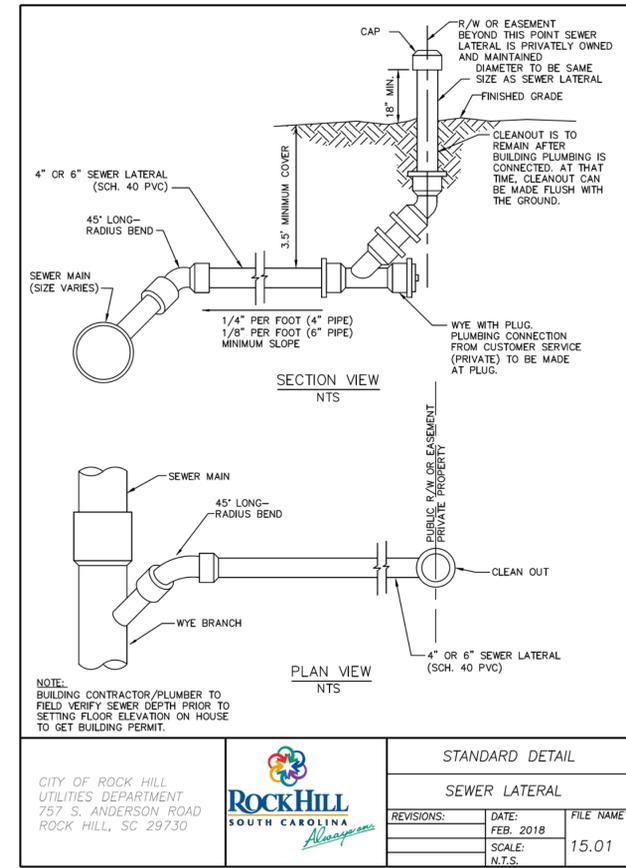
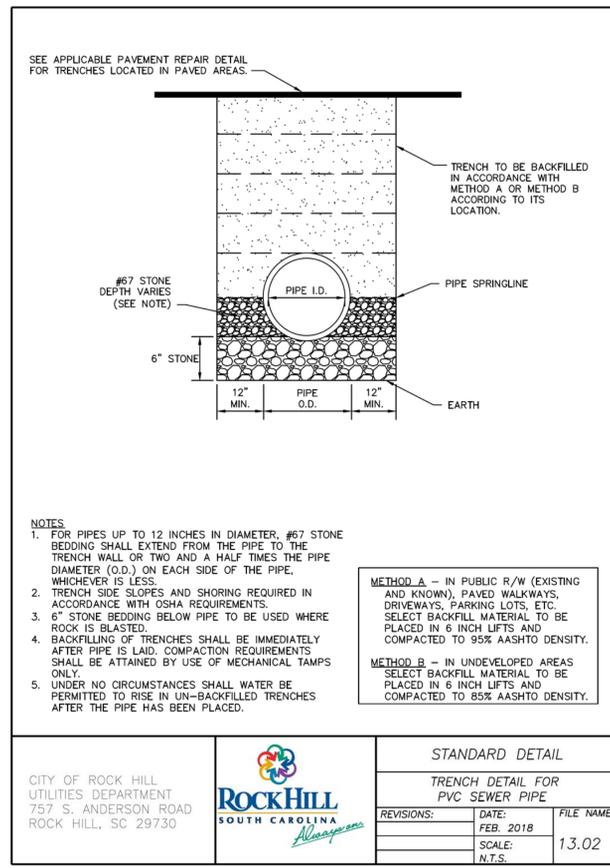
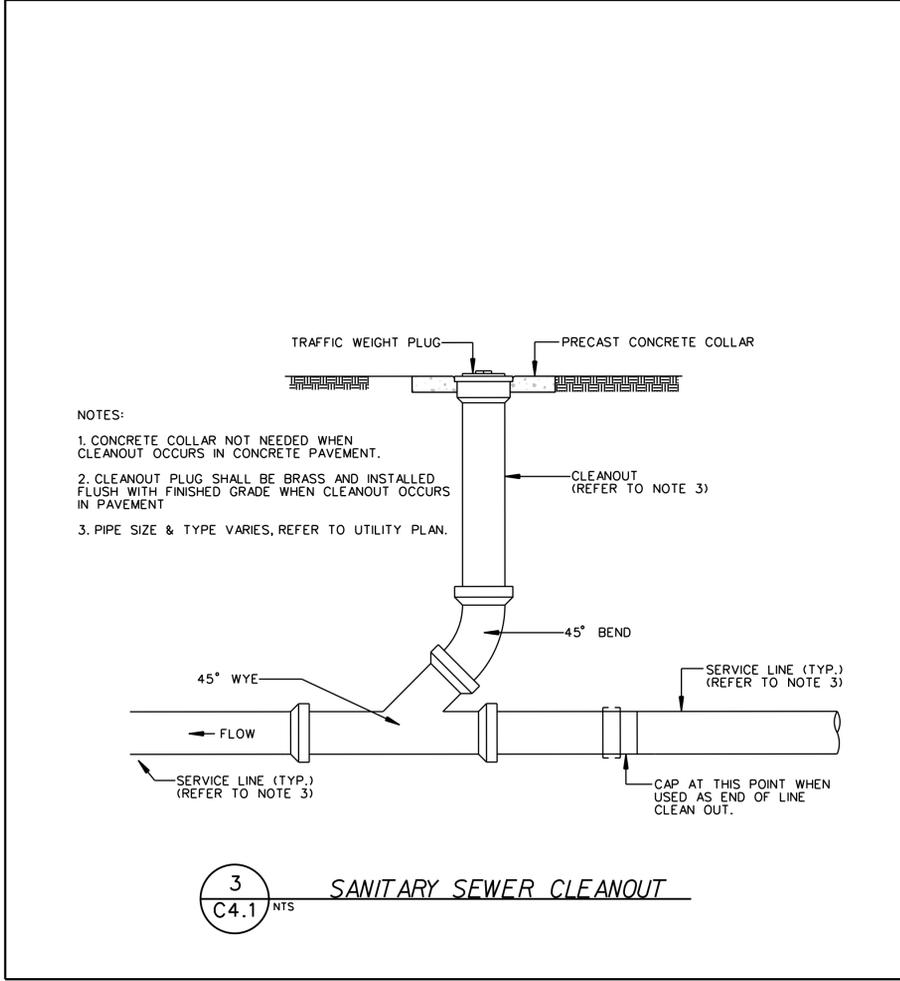
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ATHLETIC CONCESSIONS
AND RESTROOM BUILDING**
ROCK HILL, SOUTH CAROLINA

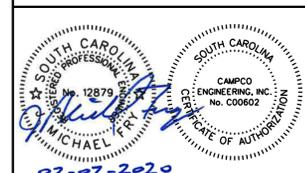


4
C4.1 **SANITARY SEWER SERVICE PROFILE**
H: 1"=20', V: 1"=5'



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NO.	DATE	DESCRIPTION

SEWER PROFILE & DETAILS



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C4.1

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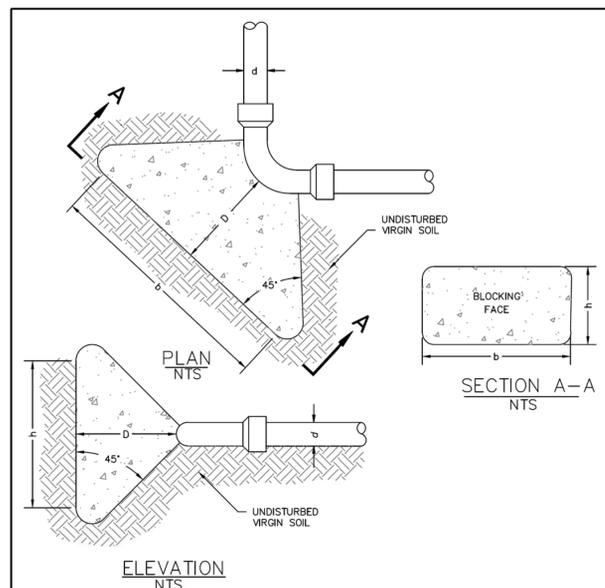
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SULLIVAN MIDDLE SCHOOL
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AND RESTROOM BUILDING
ROCK HILL, SOUTH CAROLINA



NOTES:

- CONTRACTOR MUST PROVIDE BLOCKING SUITABLE FOR SOIL CONDITIONS ENCOUNTERED. SOIL BEARING CAPACITY WAS ASSUMED TO BE 1500 PSF FOR THE TABLE BELOW. ALL ELBOWS, TEES, HYDRANTS, AND PIPE SIZE CHANGES MUST HAVE BLOCKING. ELBOW WAS USED FOR ILLUSTRATION ONLY.
- STEEL REINFORCEMENT FOR BLOCKING TO BE AS DESIGNED BY ENGINEER OF RECORD.
- BLOCKING TO BE PLACED ON UNDISTURBED SOIL.
- PIPES GREATER THAN 16" TO HAVE RESTRAINED JOINTS TO BLOCKING TO BE DESIGNED BY ENGINEER.

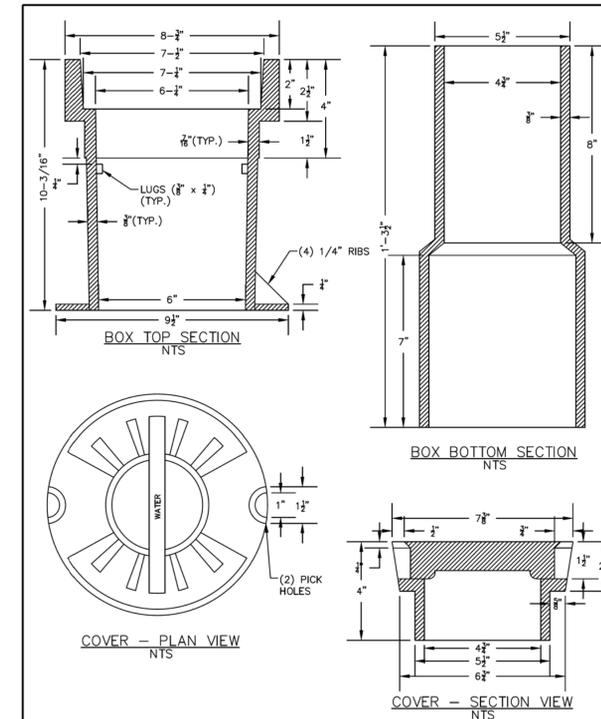
BLOCKING DIMENSIONS			
d	D	b	h
16"	5'-0"	7'-10"	4'-0"
12"	5'-0"	4'-6"	4'-0"
8"	5'-0"	3'-0"	2'-8"
6"	5'-0"	2'-3"	2'-0"
4" & SMALLER	2'-6"	2'-0"	2'-0"

CITY OF ROCK HILL UTILITIES DEPARTMENT
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ROCK HILL, SC 29730

STANDARD DETAIL
THRUST BLOCKING

REVISIONS:	DATE:	FILE NAME
	FEB. 2018	
	SCALE:	13.11
	N.T.S.	

4 C4.2 NTS THRUST BLOCKING

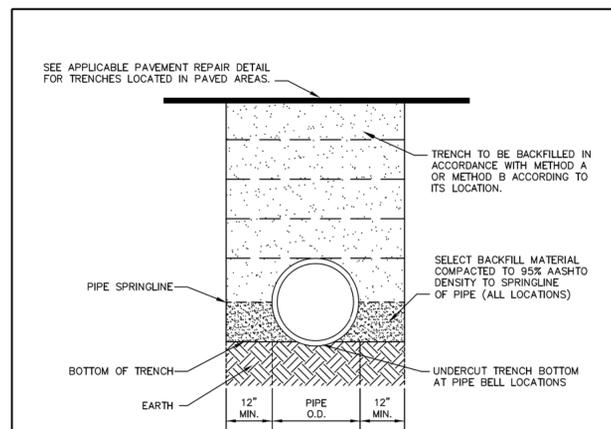


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STANDARD DETAIL
WATER VALVE BOX SECTIONS

REVISIONS:	DATE:	FILE NAME
	FEB. 2018	
	SCALE:	12.02
	N.T.S.	

2 C4.2 NTS WATER VALVE BOX SECTIONS



SEE APPLICABLE PAVEMENT REPAIR DETAIL FOR TRENCHES LOCATED IN PAVED AREAS.

TRENCH TO BE BACKFILLED IN ACCORDANCE WITH METHOD A OR METHOD B ACCORDING TO ITS LOCATION.

SELECT BACKFILL MATERIAL COMPACTED TO 95% AASHTO DENSITY TO SPRINGLINE OF PIPE (ALL LOCATIONS).

UNDERCUT TRENCH BOTTOM AT PIPE BELL LOCATIONS.

PIPE SPRINGLINE

BOTTOM OF TRENCH

EARTH

12" MIN. PIPE O.D. 12" MIN.

NOTES:

- TRENCH SIDE SLOPES AND SHORING REQUIRED IN ACCORDANCE WITH OSHA REQUIREMENTS.
- 6" STONE BEDDING BELOW PIPE TO BE USED WHERE ROCK IS BLASTED.
- BACKFILLING OF TRENCHES SHALL BE IMMEDIATELY AFTER PIPE IS LAID. COMPACTION REQUIREMENTS SHALL BE ATTAINED BY USE OF MECHANICAL TAMPS ONLY.
- UNDER NO CIRCUMSTANCES SHALL WATER BE PERMITTED TO RISE IN UN-BACKFILLED TRENCHES AFTER THE PIPE HAS BEEN PLACED.

METHOD A - IN PUBLIC R/W (EXISTING AND KNOWN), PAVED WALKWAYS, DRIVEWAYS, PARKING LOTS, ETC. SELECT BACKFILL MATERIAL TO BE PLACED IN 6 INCH LIFTS AND COMPACTED TO 95% AASHTO DENSITY.

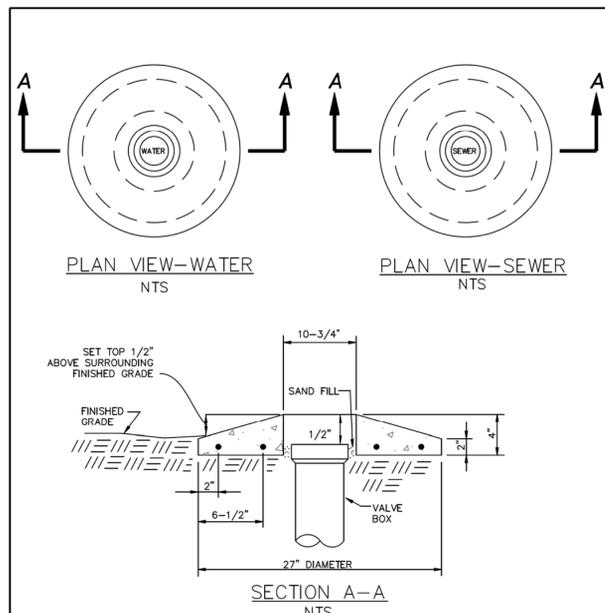
METHOD B - IN UNDEVELOPED AREAS SELECT BACKFILL MATERIAL TO BE PLACED IN 6 INCH LIFTS AND COMPACTED TO 85% AASHTO DENSITY.

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STANDARD DETAIL
TRENCH DETAIL FOR WATER PIPE

REVISIONS:	DATE:	FILE NAME
	FEB. 2018	
	SCALE:	13.01
	N.T.S.	

5 C4.2 NTS TRENCH DETAIL FOR WATER PIPE

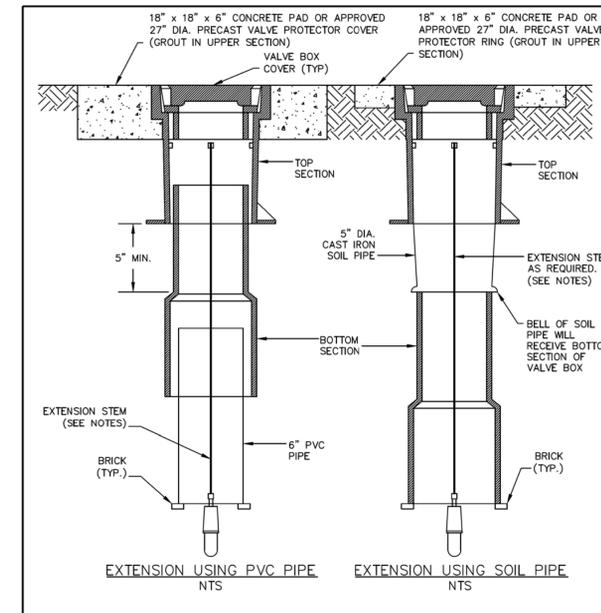


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STANDARD DETAIL
VALVE PROTECTOR RING

REVISIONS:	DATE:	FILE NAME
	FEB. 2018	
	SCALE:	12.04
	N.T.S.	

3 C4.2 NTS VALVE PROTECTOR RING



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STANDARD DETAIL
WATER VALVE BOX AND PAD

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	FEB. 2018	
	SCALE:	12.01
	N.T.S.	

1 C4.2 NTS WATER VALVE BOX AND PAD

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NO.	DATE	DESCRIPTION

UTILITY DETAILS

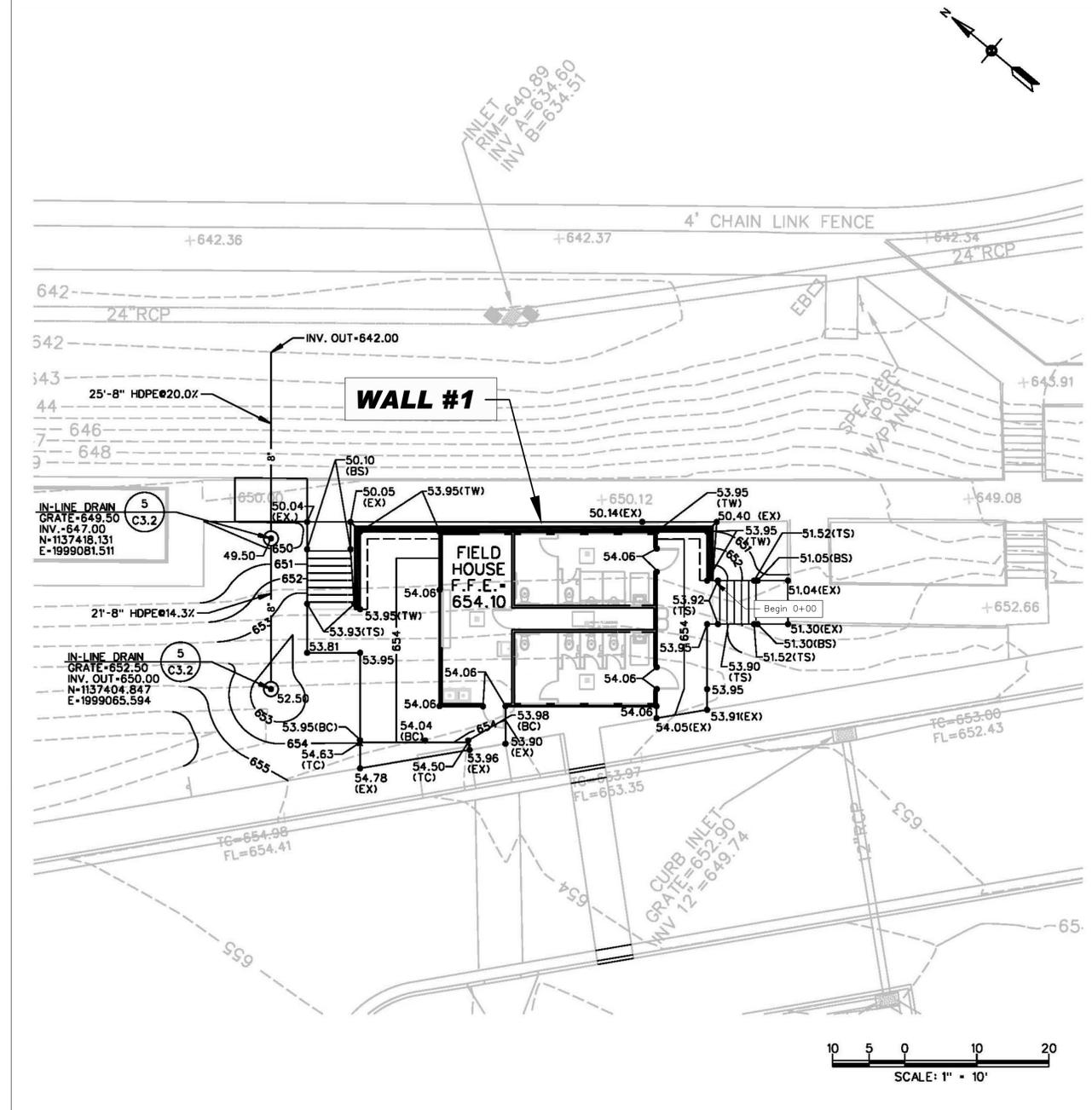
SOUTH CAROLINA PROFESSIONAL ENGINEER
MICHAEL J. FRY
No. 12875
02-07-2020

SOUTH CAROLINA PROFESSIONAL ENGINEER
CAMPCO ENGINEERING, INC.
No. C00602
02-07-2020

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C4.2

GRADING/DRAINAGE PLAN



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SULLIVAN MIDDLE SCHOOL
 ATHLETIC CONCESSIONS
 and RESTROOM BUILDING
 ROCK HILL, SOUTH CAROLINA

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RETAINING WALL
 PLAN VIEW

AE20-0004 ISSUED: 2-7-2020
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RW1.0

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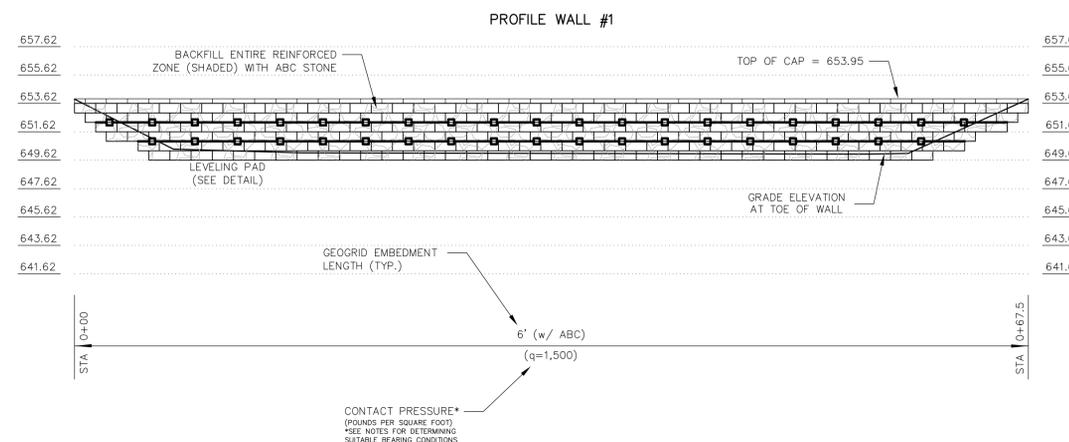


2/7/20



SULLIVAN MIDDLE SCHOOL
ATHLETIC CONCESSIONS
and RESTROOM BUILDING

ROCK HILL, SOUTH CAROLINA



- NOTES (WALL #1):
1. BACKFILL THE ENTIRE REINFORCED ZONE WITH ABC STONE.
 2. FIELD COORDINATE WALL ALIGNMENT TO ACCOUNT FOR WALL BATTER AS SHOWN ON CIVIL DRAWINGS. ALSO, ADJUST ("DIVE") TOP REINFORCEMENT BELOW THE PREFABRICATED BUILDING AND/OR SIDEWALK SUBGRADE AS REQUIRED.
 3. COORDINATE WALL ASSEMBLY WITH TREADS AND RISERS OF STAIRS AT BOTTOM OF WALL (STA. 0+59 TO STA. 0+67.5).
 4. THIS DESIGN INCORPORATES GRIDLOK REINFORCEMENT WITH THE RIDGEROCK II (9 INCH BLOCK) RETAINING WALL SYSTEM HAVING A BATTER OF 7.12 DEGREES.

LEGEND
GRIDLOK 270
HORIZONTAL SCALE 1"=6'

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NO.	DATE	DESCRIPTION

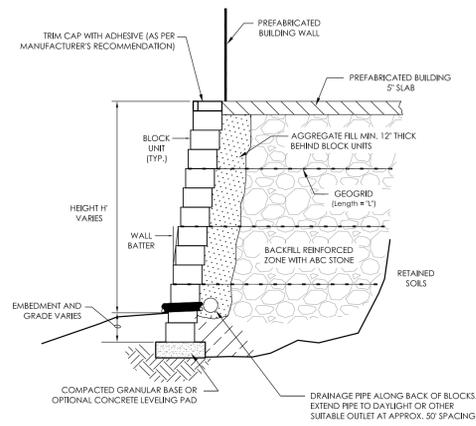
RETAINING WALL
ELEVATION

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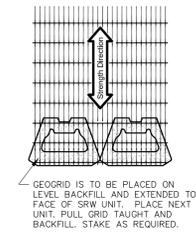
RW1.1

TYPICAL CROSS SECTION (NTS)

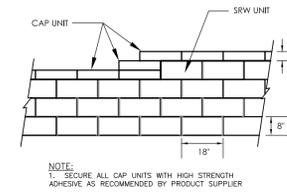
• **WALL #1**



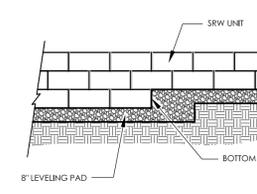
CONNECTION DETAIL NTS



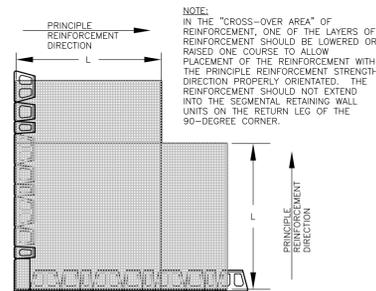
CAP UNIT DETAIL NTS



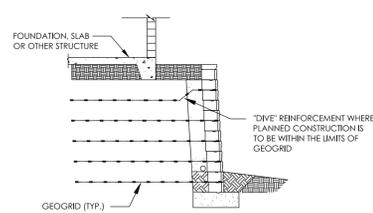
LEVELING PAD STEP DETAIL NTS



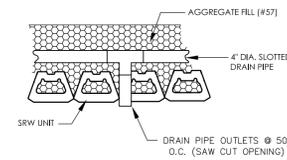
GEORGRID DETAILS NTS



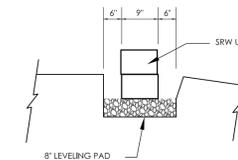
DETAIL FOR DIVING TOP GEORGRID NTS



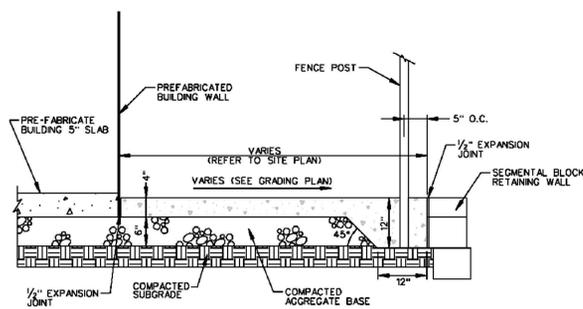
DRAIN PIPE DETAIL NTS



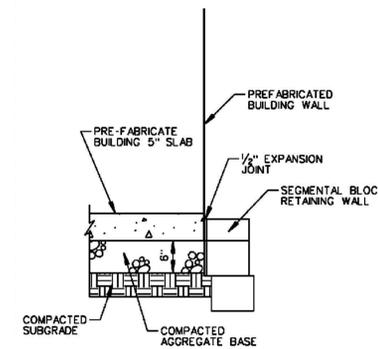
LEVELING PAD DETAIL NTS



CONCRETE WALK THICKENED EDGE NTS



PREFABRICATED BUILDING AT RETAINING WALL NTS



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2/7/20



SULLIVAN MIDDLE SCHOOL
ATHLETIC CONCESSIONS
and RESTROOM BUILDING
ROCK HILL, SOUTH CAROLINA

REVISIONS

NO.	DATE	DESCRIPTION

RETAINING WALL DETAILS

AE20-0004 ISSUED: 2-7-2020
DRAWN BY: CKH

RW1.2

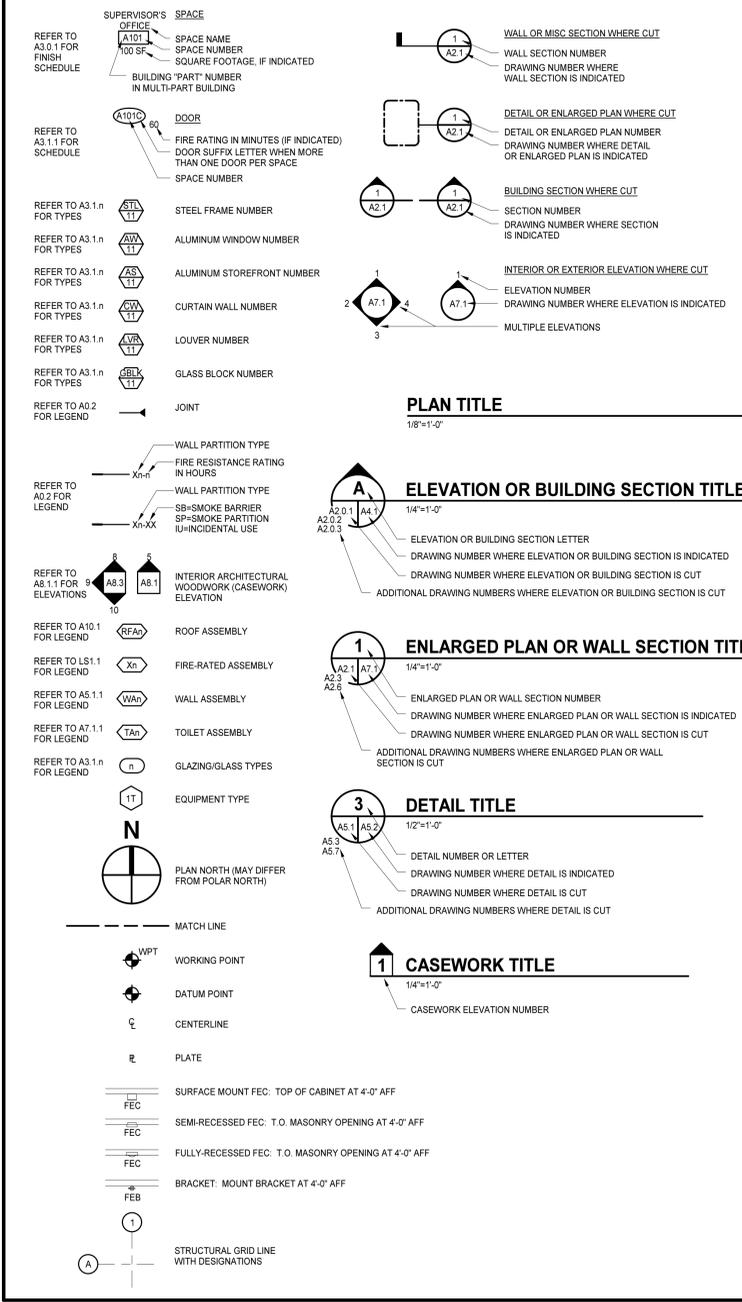
ARCHITECTURAL ABBREVIATIONS

Table of architectural abbreviations and their corresponding full names, such as A/PT for Accent Point, ABS for Air Barrier System, etc.

KEYNOTES

- Keynote symbols and their meanings: 1. KEYNOTE (1 TO 2 DIGITS), 2. KEYNOTE (3 DIGITS ONLY), 3. SIZE, THICKNESS, OR OTHER DESCRIPTIVE INFORMATION.

ARCHITECTURAL GRAPHIC SYMBOL LEGEND



ARCHITECTURAL GENERAL NOTES

- General notes regarding contract documents, identification of elements, and requirements for materials and components.

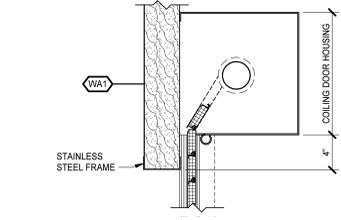
ARCHITECTURAL MATERIALS LEGEND

Table of architectural materials with their corresponding hatch patterns, including Earth, Concrete, Brick, etc.

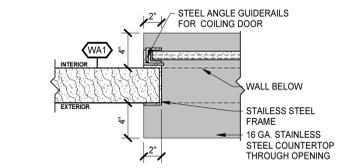


Table for Project and Revisions: PROJECT NO: 593120, DATE: FEBRUARY 7, 2020, with columns for DATE, REVISIONS, and DESCRIPTION.

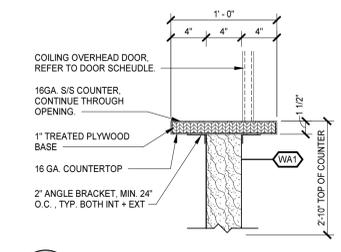
J
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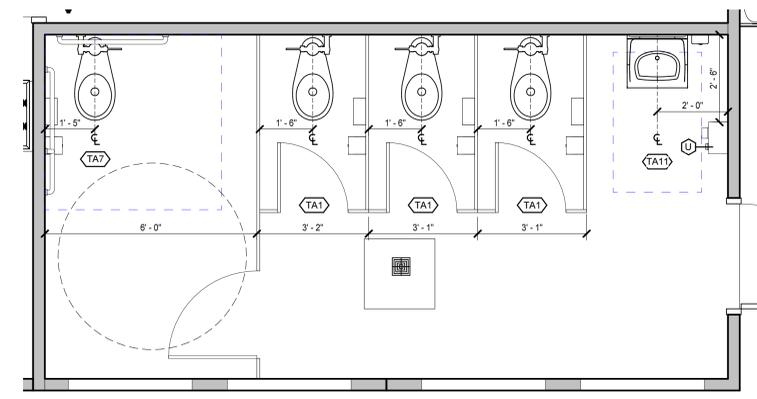
5 COILING DOOR HEAD DETAIL
1 1/2" = 1'-0"



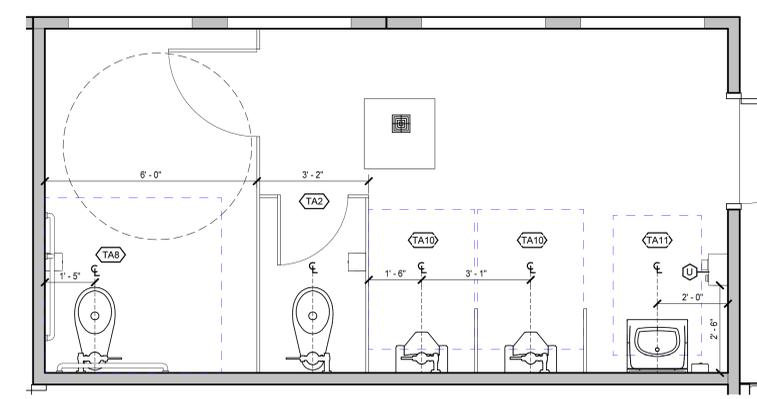
4 COILING DOOR JAMB DETAIL
1 1/2" = 1'-0"



3 COILING DOOR SILL DETAIL
1 1/2" = 1'-0"



2 FLOOR PLAN - Callout 2
1/2" = 1'-0"



1 FLOOR PLAN - Callout 1
1/2" = 1'-0"

TOILET ASSEMBLIES GENERAL NOTES

A. PLAN DIMENSIONS ARE TO FACE OF WALL OR PARTITION. WHERE APPLIED FINISHES OCCUR SUCH AS CERAMIC TILE, DIMENSIONS ARE TO FACE OF APPLIED FINISH. FOR WAINSCOTS, FLOOR PLAN DIMENSIONS ARE TO FACE OF WAINSCOT MATERIAL. APPLIED FINISHES ARE NOT ALLOWED TO REDUCE CLEAR DIMENSIONS. *APPLIED FINISHES IN THIS CASE DO NOT INCLUDE TRIM, BASE, AND ACOUSTIC WALL PANELS.
B. CLEAR DIMENSIONS ARE TO FACE OF APPLIED WALL AND PARTITION FINISHES.

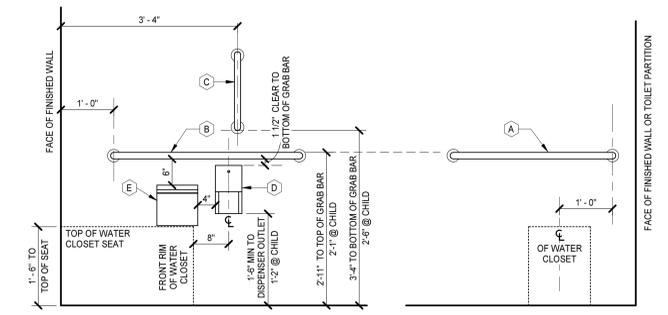
TOILET ASSEMBLIES
APPLIES TO DRAWINGS A7.1 - A7.m
REPRESENTED BY (TA#)

MARK	REMARKS	PLAN
TA1		
TA2	OMIT (E)	
TA7		
TA8	OMIT (E)	
TA10		
TA11	CENTER (G) OVER LAVATORY	

LEGEND NOTES:
A. HANDING/ORIENTATION MAY VARY. REFER TO PLANS FOR PROPER ORIENTATION.
B. PLUMBING FIXTURE GRAPHICS IN THIS LEGEND ARE REPRESENTATIVE ONLY. ACTUAL PLUMBING FIXTURES MAY VARY.
C. COAT/ROBE HOOKS INDICATED ON THE BACK OF TOILET COMPARTMENT DOORS ARE PART OF THE TOILET COMPARTMENT ASSEMBLY AND ARE NOT CONSIDERED A TOILET ACCESSORY.

- ACCESSORY ITEMS ARE IDENTIFIED BY () ON PLANS. LETTERS CORRESPOND TO SCHEDULE ABOVE.
- ACTUAL DIMENSIONS OF ACCESSORIES MAY VARY. COORDINATE DIFFERENCES, IF ANY.
- REFER TO ALL CASEWORK ELEVATIONS FOR ADDITIONAL TOILET ACCESSORY LOCATIONS.
- PROVIDE MOP AND BROOM HOLDER W/ SHELF () AT ALL CUSTODIAL/JANITORIAL SINKS. MOUNT AT 3'-0" AFF TO CENTERLINE AND LOCATE ON SIDE WALL OF SINK (NOT ON WALL ABOVE FAUCET).
- PROVIDE COAT HOOK ON INTERIOR FACE OF ALL TOILET ROOM DOORS WHEREIN ONLY ONE WATER CLOSET IS PROVIDED. MOUNT AT 3'-11" AFF TO TOP.

TOILET ACCESSORIES SCHEDULE			
MARK	DESCRIPTION	MOUNTING HEIGHT	REMARKS
A	36" HORIZONTAL GRAB BAR	REFER TO WATER CLOSET ELEVATIONS	
B	42" HORIZONTAL GRAB BAR	REFER TO WATER CLOSET ELEVATIONS	
C	18" VERTICAL GRAB BAR	REFER TO WATER CLOSET ELEVATIONS	
D	TOILET TISSUE DISPENSER	REFER TO WATER CLOSET ELEVATIONS	
E	SANITARY NAPKIN DISPOSAL	REFER TO WATER CLOSET ELEVATIONS	
F	SOAP DISPENSER	3'-4" AFF TO DISPENSING OUTLET	
G	MIRROR (18" x 36") OVER LAV AND COUNTERTOP	3'-4" AFF TO BOTTOM OF REFLECTIVE SURFACE	
U	WARM AIR HAND DRYER	3'-0" AFF TO AIR OUTLET	



WATER CLOSET ELEVATIONS



PROJECT NO:	593120
DATE:	FEBRUARY 7, 2020
REVISIONS	
DATE	DESCRIPTION

ENLARGED PLANS

