

SITE DEVELOPMENT PLANS FOR: HOME 2 SUITES BY HILTON 475 HOSPITALITY BOULEVARD GREENWOOD, SOUTH CAROLINA

CONTACT INFORMATION

GREENWOOD COUNTY ENGINEERING
COMPANY: GREENWOOD COUNTY ENGINEERING
ADDRESS: 528 MONUMENT ST, ROOM B-03
GREENWOOD, SC 29646
PHONE: 864 942-8639
CONTACT: RETT TEMPLETON

GREENWOOD COUNTY PLANNING
COMPANY: GREENWOOD COUNTY PLANNING DEPARTMENT
ADDRESS: 538 MONUMENT ST, ROOM B-01
GREENWOOD, SC 29646
PHONE: 864 942-8631
CONTACT: CHRISTOPHER HUDSON

SCDHEC - STORMWATER
COMPANY: SCDHEC - STORMWATER PERMITTING
ADDRESS: 2600 BULL ST
COLUMBIA, SC 29201
PHONE: 864 898-4300
CONTACT:

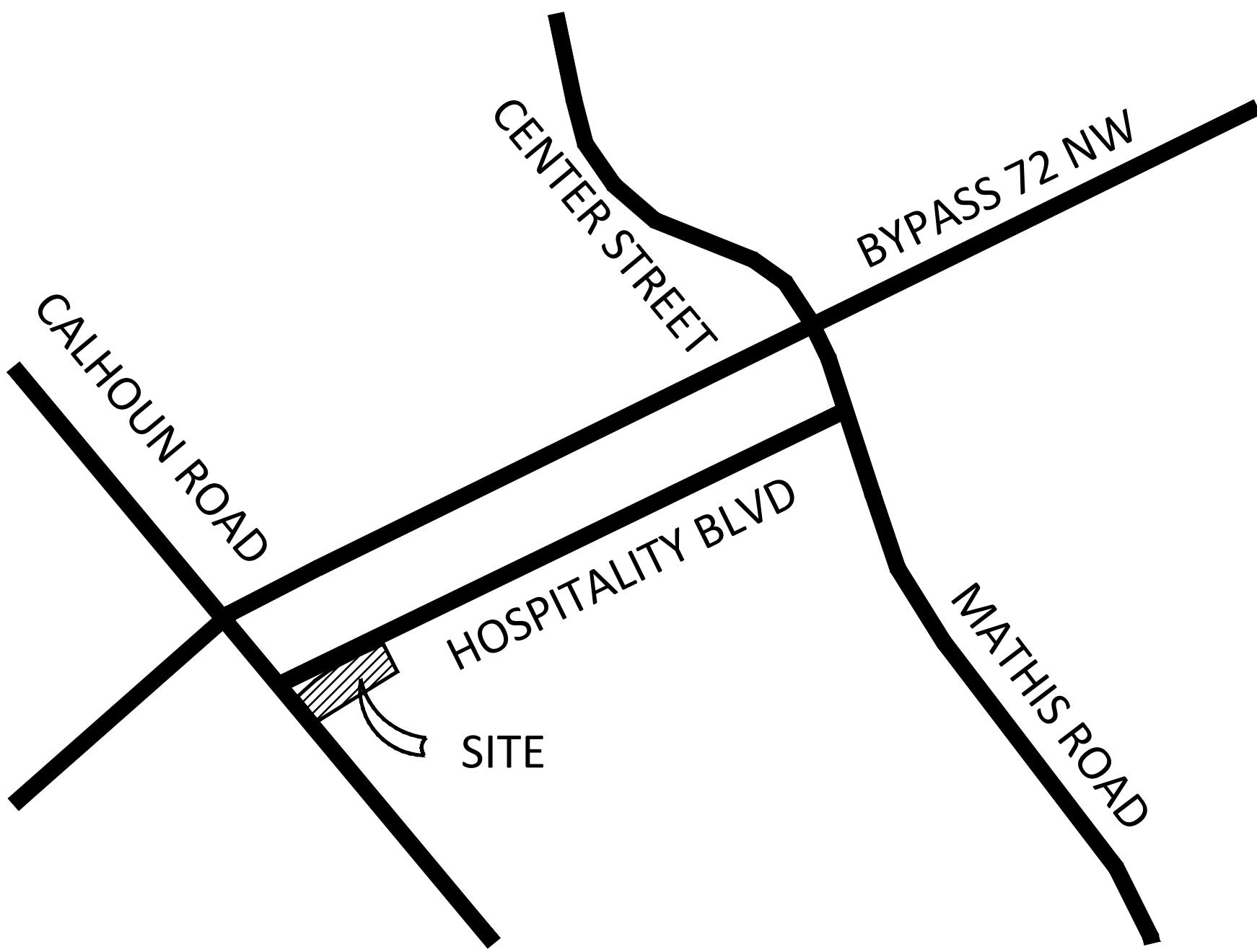
SANITARY SEWER
COMPANY: GREENWOOD METROPOLITAN SEWER DISTRICT
ADDRESS: 110 METRO DR
GREENWOOD, SC 29646
PHONE: 864 942-3901
CONTACT: BRIAN WALDROP

WATER DISTRIBUTION
COMPANY: GREENWOOD COMMISSIONERS OF PUBLIC WORKS
ADDRESS: P.O. BOX 549
GREENWOOD, SC 29648
PHONE: 864 942-8199
CONTACT: RUSSELL HOLLEY

ELECTRIC DISTRIBUTION
COMPANY: DUKE ENERGY
ADDRESS:
PHONE: 864 227-5433
CONTACT: NEIL ANDERSON

FIRE DISTRICT
COMPANY: GREENWOOD COUNTY STATION 30
ADDRESS: 201 OAKWOOD DR
GREENWOOD, SC 29649
PHONE: 864 223-8075
CONTACT: CHIEF CHAD KELLUM

LOCATION MAP



(NOT TO SCALE)

SHEET INDEX

1.	T-1	TITLE SHEET
2.	CV-0	DEMOLITION PLAN
3.	CV-1	STAKEOUT PLAN
4.	CV-2	GRADING, DRAINAGE, AND EROSION CONTROL PLAN
5.	CV-3	UTILITY PLAN
6.	EC-1	EROSION & SEDIMENTATION CONTROL PLAN - PHASE 1
7.	EC-2	EROSION & SEDIMENTATION CONTROL PLAN - PHASE 2
8.	D-1	MISCELLANEOUS NOTES AND DETAILS
9.	D-2	MISCELLANEOUS NOTES AND DETAILS
10.	D-3	MISCELLANEOUS NOTES AND DETAILS
11.	D-4	MISCELLANEOUS NOTES AND DETAILS
12.	D-5	MISCELLANEOUS NOTES AND DETAILS
13.	D-6	MISCELLANEOUS NOTES AND DETAILS
14.	D-7	MISCELLANEOUS NOTES AND DETAILS
15.	D-8	MISCELLANEOUS NOTES AND DETAILS
16.	D-9	MISCELLANEOUS NOTES AND DETAILS
17.	D-10	MISCELLANEOUS NOTES AND DETAILS
18.	D-11	MISCELLANEOUS NOTES AND DETAILS
19.	D-12	MISCELLANEOUS NOTES AND DETAILS
20.	D-13	MISCELLANEOUS NOTES AND DETAILS
21.	D-14	MISCELLANEOUS NOTES AND DETAILS
22.	1.0	LANDSCAPE PLAN
23.	2.0	LANDSCAPE PLAN

OWNER

HOSPITALITY HOTEL GROUP LLC
475 HOSPITALITY BLVD
ANDERSON, SC 29621
864-907-0252

NOTES:
ALL NECESSARY INSPECTIONS AND/OR CERTIFICATIONS
REQUIRED BY CODES AND/OR UTILITY SERVICE COMPANIES
SHALL BE PERFORMED PRIOR TO ANY BUILDING
POSSESSION AND THE FINAL CONNECTION OF SERVICES.

I have placed my signature and seal on the design documents
submitted signifying that I accept responsibility for the design of
the system. Further, I certify to the best of my knowledge and
belief that the design is consistent with the requirements of Title
48, Chapter 14 of the Code of Laws of SC, 1976 as amended,
pursuant to Regulation 72-300 et seq. (if applicable), and in
accordance with the terms and conditions of SCR100000.

I hereby certify that these plans were prepared by me or under my
direct supervision and that I am a duly Registered Professional
Engineer under the laws of the state of South Carolina and that I
am competent to prepare this document.


South Carolina Registration No. 40522

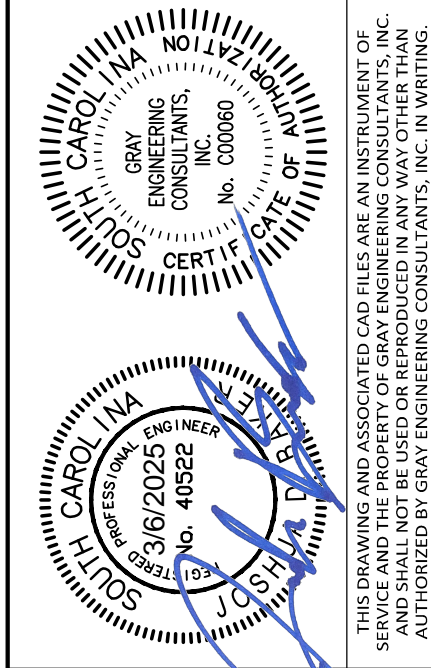
3/6/2025

SAFETY NOTE TO CONTRACTOR
THE CONTRACTOR SHALL SHORE TRENCH EXCAVATION AND
USE PIPE BOX TO COMPLY WITH ALL OSHA SAFETY
REGULATIONS. IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY
TO PROVIDE JOB SITE SAFETY AND COMPLY WITH ALL SAFETY
REQUIREMENTS. THE CONTRACTOR IS RESPONSIBLE FOR HIS
MEANS AND METHODS OF CONSTRUCTION.



UTILITY NOTE TO CONTRACTOR
THE UTILITIES SHOWN ARE FOR THE CONTRACTOR'S
CONVENIENCE ONLY. THERE MAY BE OTHER UTILITIES NOT
SHOWN ON THESE PLANS. THE ENGINEER ASSUMES NO
RESPONSIBILITY FOR THE LOCATIONS SHOWN AND IT SHALL BE
THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE
LOCATIONS OF ALL UTILITIES WITHIN THE LIMITS OF THE WORK.
ALL DAMAGE MADE TO EXISTING UTILITIES BY THE
CONTRACTOR SHALL BE THE SOLE RESPONSIBILITY OF THE
CONTRACTOR.

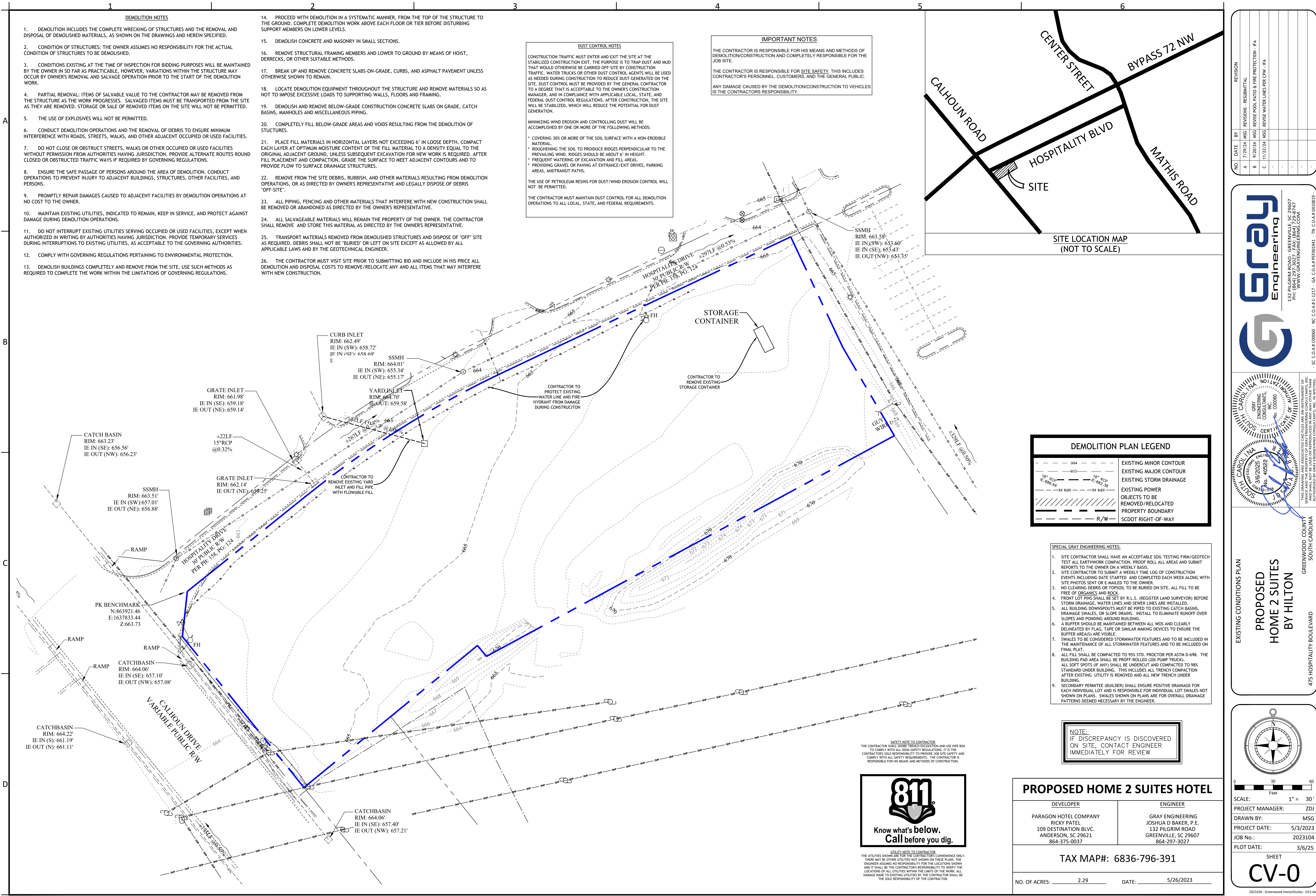
NO.	DATE	BY	REVISION
A	.	.	.
.	.	.	.
.	.	.	.
.	.	.	.
.	.	.	.

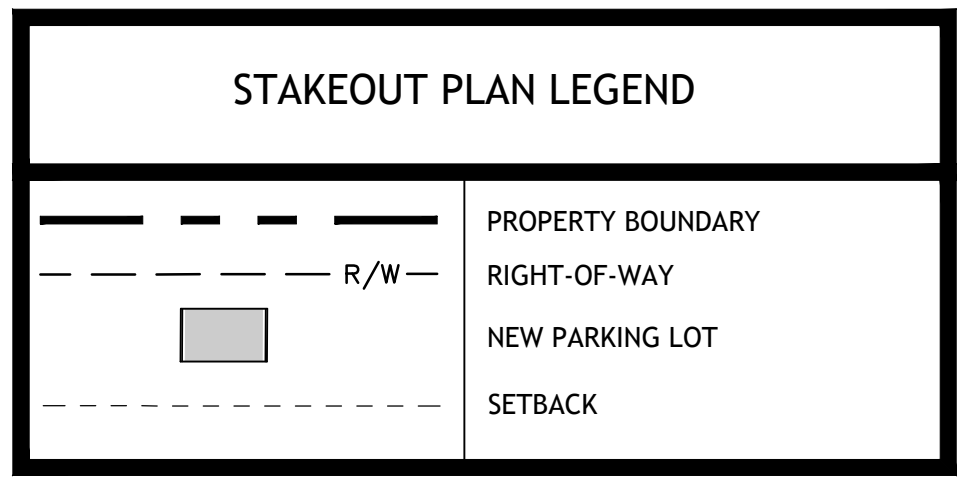


TITLE SHEET
**PROPOSED
HOME 2 SUITES
BY HILTON**
GREENWOOD COUNTY
SOUTH CAROLINA
475 HOSPITALITY BOULEVARD

SCALE:	
PROJECT MANAGER:	ZDJ
DRAWN BY:	MSG
PROJECT DATE:	5/3/2023
JOB No.:	2023104
PLOT DATE:	3/6/25

SHEET
T-1





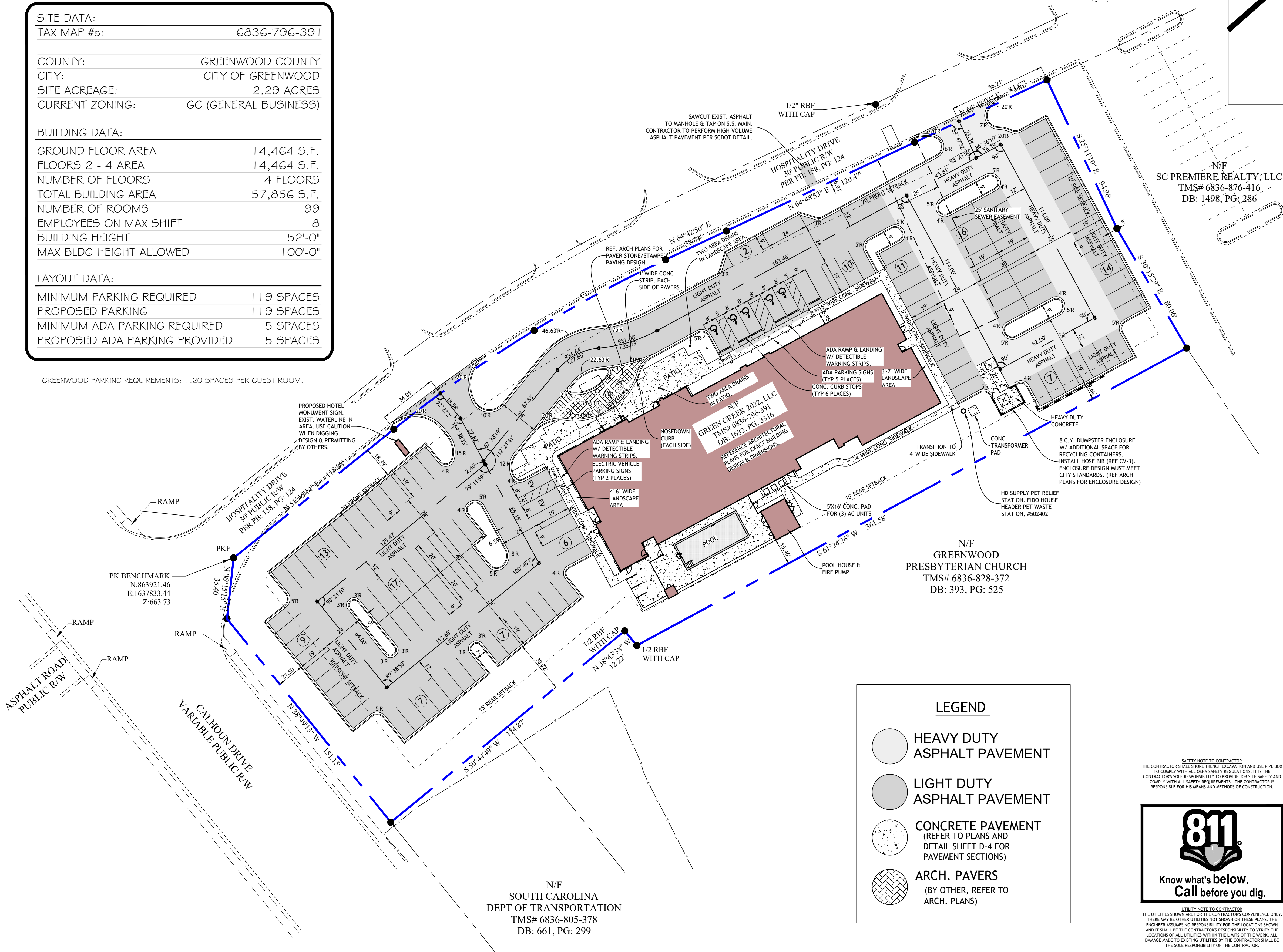
SITE DATA:
TAX MAP #s: 6836-796-391

COUNTY: GREENWOOD COUNTY
CITY: CITY OF GREENWOOD
SITE ACREAGE: 2.29 ACRES
CURRENT ZONING: GC (GENERAL BUSINESS)

BUILDING DATA:
GROUND FLOOR AREA 14,464 S.F.
FLOORS 2 - 4 AREA 14,464 S.F.
NUMBER OF FLOORS 4 FLOORS
TOTAL BUILDING AREA 57,856 S.F.
NUMBER OF ROOMS 99
EMPLOYEES ON MAX SHIFT 8
BUILDING HEIGHT 52'-0"
MAX BLDG HEIGHT ALLOWED 100'-0"

LAYOUT DATA:
MINIMUM PARKING REQUIRED 119 SPACES
PROPOSED PARKING 119 SPACES
MINIMUM ADA PARKING REQUIRED 5 SPACES
PROPOSED ADA PARKING PROVIDED 5 SPACES

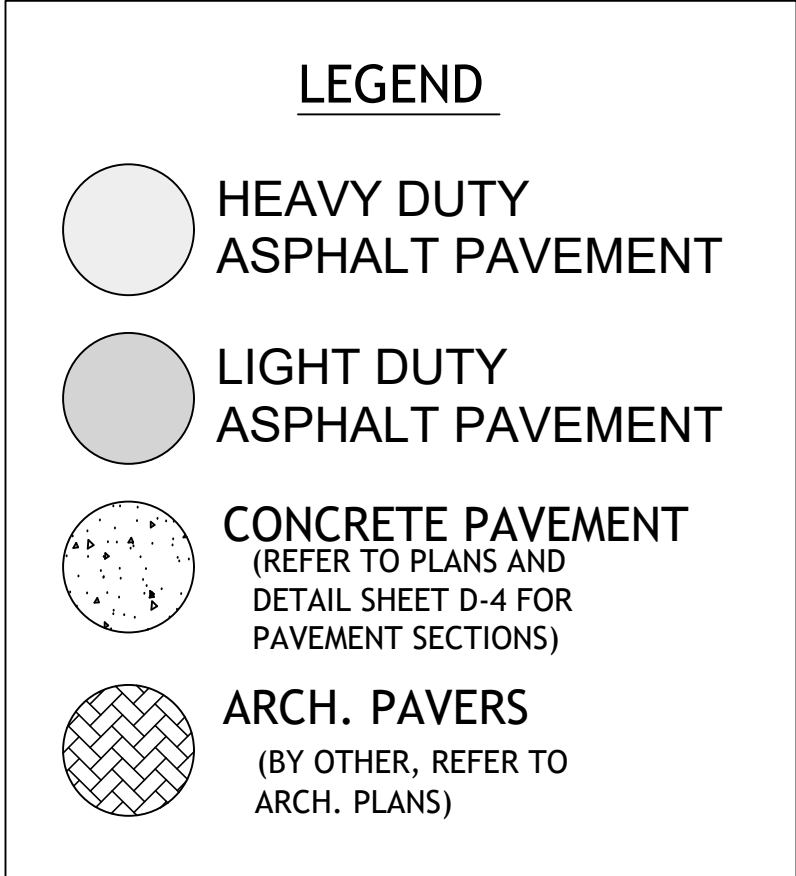
GREENWOOD PARKING REQUIREMENTS: 1.20 SPACES PER GUEST ROOM.



SETBACKS:
HOSPITALITY DRIVE: 20'
CALHOUN DRIVE: 30'
SIDE: 10'
REAR: 15'

- SPECIAL GRAY ENGINEERING NOTES:
- SITE CONTRACTOR SHALL HAVE AN ACCEPTABLE SOIL TESTING FIRM/GEOTECH TEST ALL EARTHWORK COMPACTION. PROOF ROLL ALL AREAS AND SUBMIT REPORTS TO THE OWNER ON A WEEKLY BASIS.
 - SITE CONTRACTOR TO SUBMIT A WEEKLY TIME LOG OF CONSTRUCTION EVENTS INCLUDING DATE STARTED AND COMPLETED EACH WEEK ALONG WITH SITE PHOTOS SENT OR E-MAILED TO THE OWNER.
 - NO CLEARING DEBRIS OR TOPSOIL TO BE BURIED ON SITE. ALL FILL TO BE FREE OF ORGANICS AND ROCK.
 - FRONT LOT PINS SHALL BE SET BY R.L.S. (REGISTER LAND SURVEYOR) BEFORE STORM DRAINAGE, WATER LINES AND SEWER LINES ARE INSTALLED.
 - ALL BUILDING DOWNSPOUTS MUST BE PIPED TO EXISTING CATCH BASINS, DRAINAGE SWALES, OR SLOPE DRAINS. INSTALL TO ELIMINATE RUNOFF OVER SLOPES AND PONDING AROUND BUILDING.
 - A BUFFER SHOULD BE MAINTAINED BETWEEN ALL WOS AND CLEARLY DELINEATED BY FLAG, TAPE OR SIMILAR MAKING DEVICES TO ENSURE THE BUFFER AREAS ARE VISIBLE.
 - SWALES TO BE CONSIDERED STORMWATER FEATURES AND TO BE INCLUDED IN THE MAINTENANCE OF ALL STORMWATER FEATURES AND TO BE INCLUDED ON FINAL PLAN.
 - ALL FILL SHALL BE COMPACTED TO 95% STD. PROCTOR PER ASTM D-698. THE BUILDING PAD AREA SHALL BE PROFF-ROLLED (20T PUMP TRUCK). ALL SOFT SPOTS (IF ANY) SHALL BE UNDERCUT AND COMPACTED TO 98% STANDARD UNDER BUILDING. THIS INCLUDES ALL TRENCH COMPACTION AFTER EXISTING UTILITY IS REMOVED AND ALL NEW TRENCH UNDER BUILDING.
 - SECONDARY PERMITTEE (BUILDER) SHALL ENSURE POSITIVE DRAINAGE FOR EACH INDIVIDUAL LOT AND IS RESPONSIBLE FOR INDIVIDUAL LOT SWALES NOT SHOWN ON PLANS. SWALES SHOWN ON PLANS ARE FOR OVERALL DRAINAGE PATTERNS DEEMED NECESSARY BY THE ENGINEER.

NOTE:
IF DISCREPANCY IS DISCOVERED
ON SITE, CONTACT ENGINEER
IMMEDIATELY FOR REVIEW



SAFETY NOTE TO CONTRACTOR
THE CONTRACTOR SHALL SHORE TRENCH EXCAVATION AND USE PIPE BOX TO COMPLY WITH ALL OSHA SAFETY REGULATIONS. IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO PROVIDE JOB SITE SAFETY AND COMPLY WITH ALL SAFETY REQUIREMENTS. THE CONTRACTOR IS RESPONSIBLE FOR HIS MEANS AND METHODS OF CONSTRUCTION.



UTILITY NOTE TO CONTRACTOR
THE UTILITIES SHOWN ARE FOR THE CONTRACTOR'S CONVENIENCE ONLY. THERE MAY BE OTHER UTILITIES NOT SHOWN ON THESE PLANS. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR THE LOCATIONS SHOWN AND IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE LOCATIONS OF ALL UTILITIES WITHIN THE LIMITS OF THE WORK. ALL DAMAGE MADE TO EXISTING UTILITIES BY THE CONTRACTOR SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.

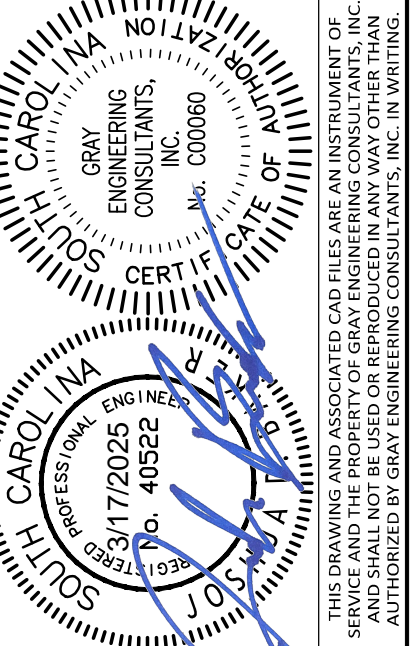
PROPOSED HOME 2 SUITES HOTEL

DEVELOPER	ENGINEER
PARAGON HOTEL COMPANY RICKY PATEL 109 DESTINATION BLVD. ANDERSON, SC 29621 864-375-0037	GRAY ENGINEERING JOSHUA D BAKER, P.E. 132 PILGRIM ROAD GREENVILLE, SC 29607 864-297-3027

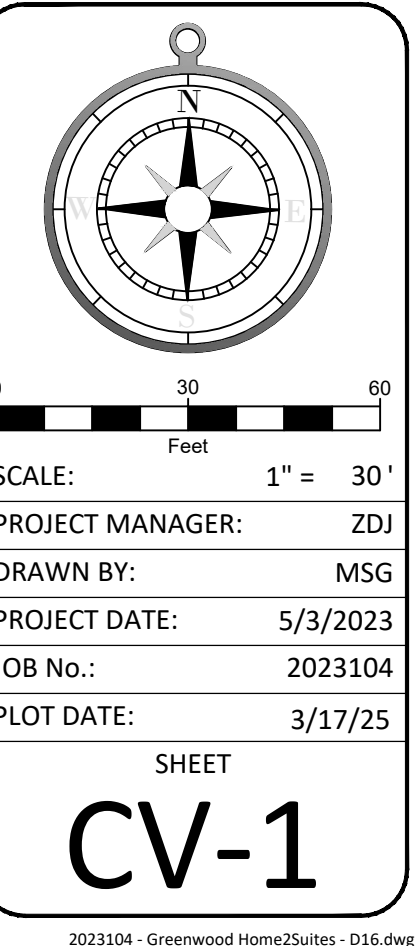
TAX MAP#: 6836-796-391

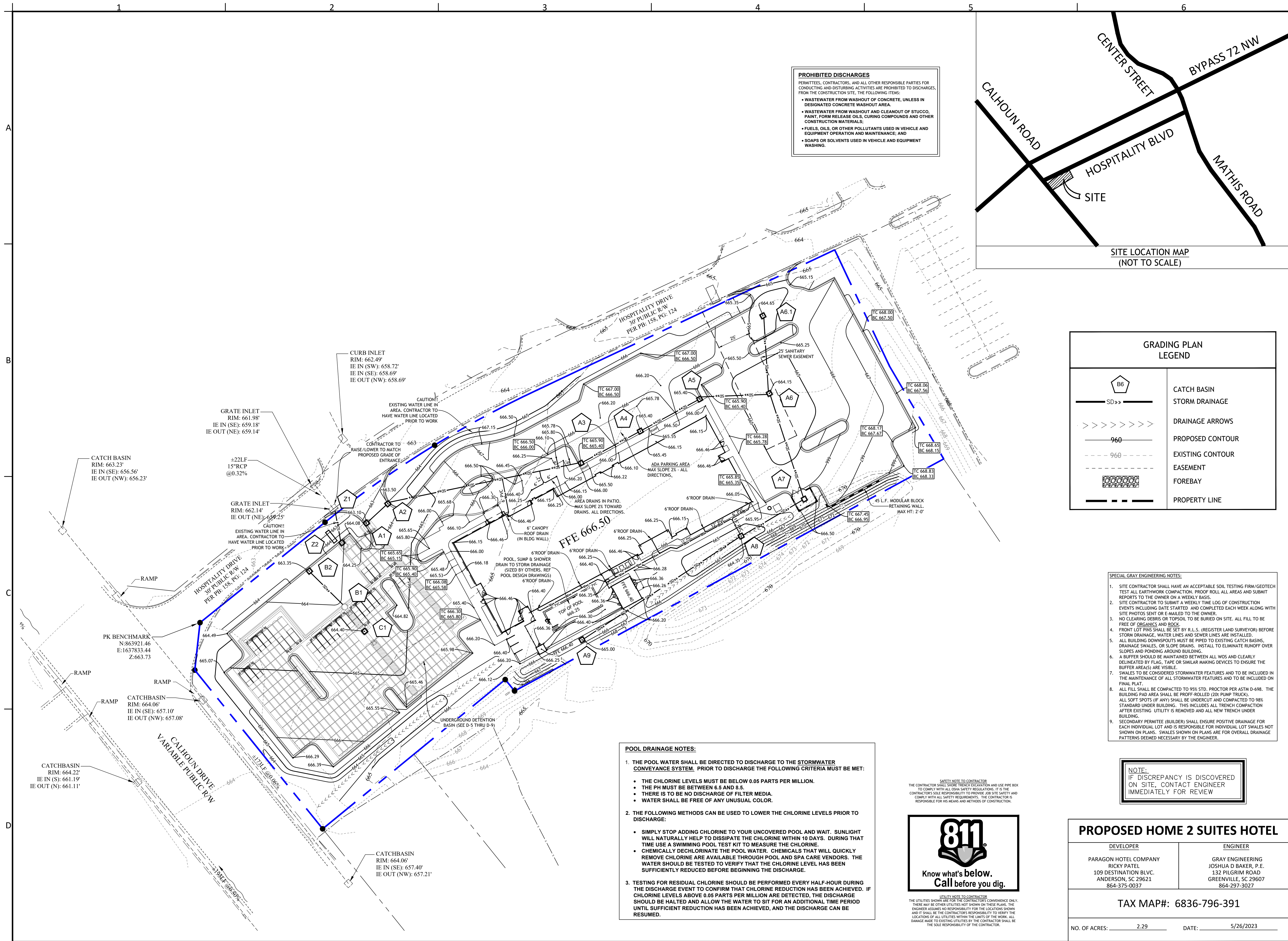
NO. OF ACRES: 2.29 DATE: 5/26/2023

NO.	DATE	BY	REVISION
A	7/19/24	MSG	REVISIONS - RESUBMITTAL
B	9/20/24	MSG	REVISE POOL PATIO & FIRE PROTECTION - IEA
C	11/22/24	MSG	REVISE WATER LINES PER CPW - IEA



PRELIMINARY SKETCH PLAN
PROPOSED HOME 2 SUITES BY HILTON
GREENWOOD COUNTY SOUTH CAROLINA
475 HOSPITALITY BOULEVARD



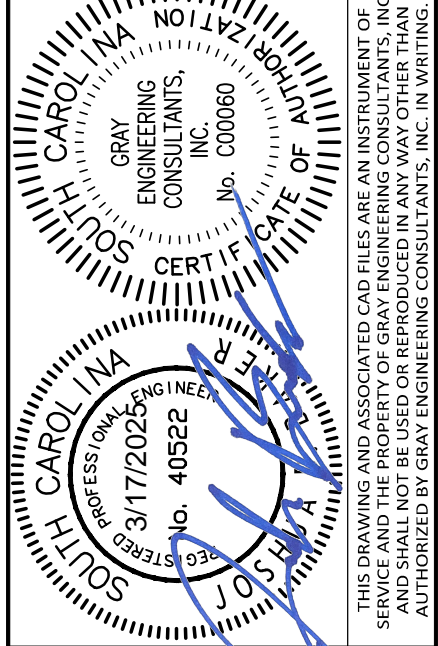


NO.	DATE	BY	REVISION
A	7/19/24	MSG	REVISIONS - RESUBMITTAL
B	9/20/24	MSG	REVISE POOL PATIO & FIRE PROTECTION - IEA
C	11/22/24	MSG	REVISE WATER LINES PER CPW - IEA

Gray Engineering

132 PILGRIM ROAD - GREENVILLE, SC 29607
PH: 864-297-3027
WWW.GRAYENGINEERING.COM

SC, COA # C00060 - NC, COA # C1217 - GA, COA # PF001941 - TN, COA # 0410819



GRADING, DRAINAGE, AND EROSION CONTROL PLAN

PROPOSED HOME 2 SUITES BY HILTON

GREENWOOD COUNTY SOUTH CAROLINA

475 HOSPITALITY BOULEVARD

0 30 60 Feet

SCALE: 1" = 30'

PROJECT MANAGER: JDI

DRAWN BY: MSG

PROJECT DATE: 5/3/2023

JOB No.: 2023104

PLOT DATE: 3/17/25

SHEET

CV-2

2023104 - Greenwood Home2Suites - D16.dwg

Appendix B: Pipelines
Figure 4 - Pavement Repairs

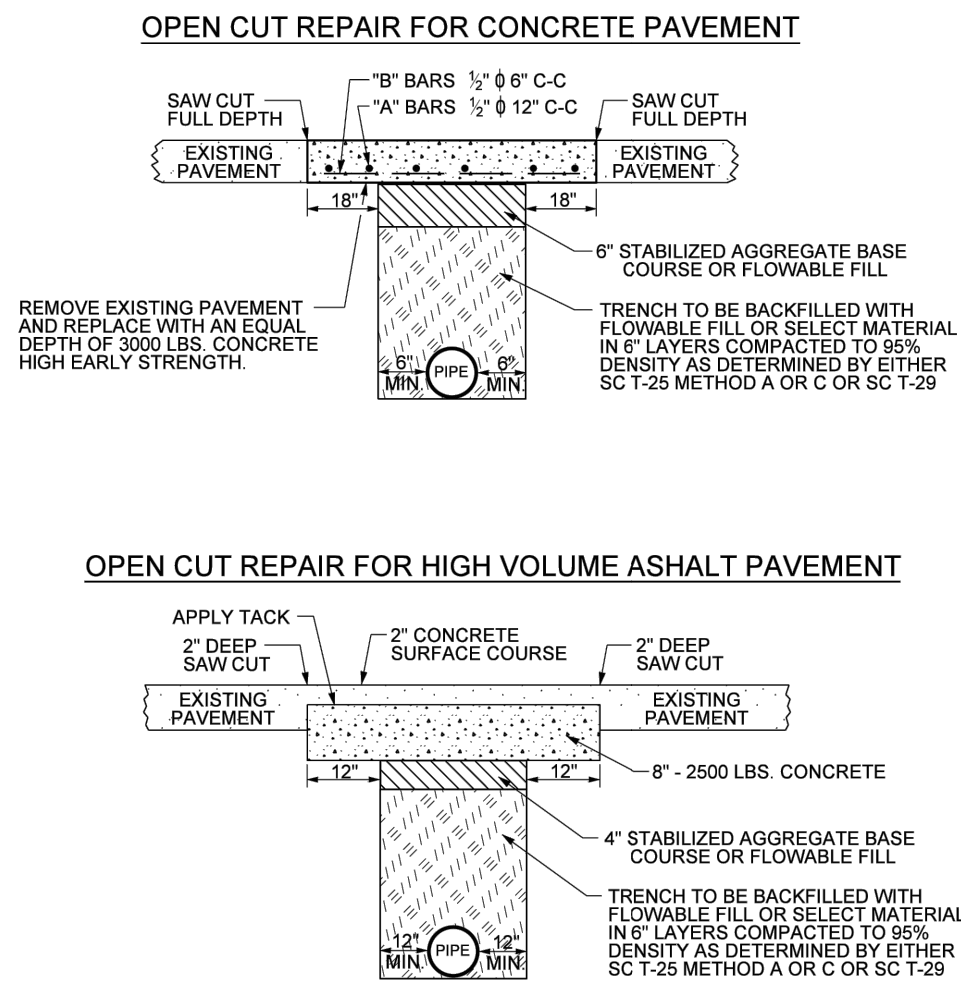


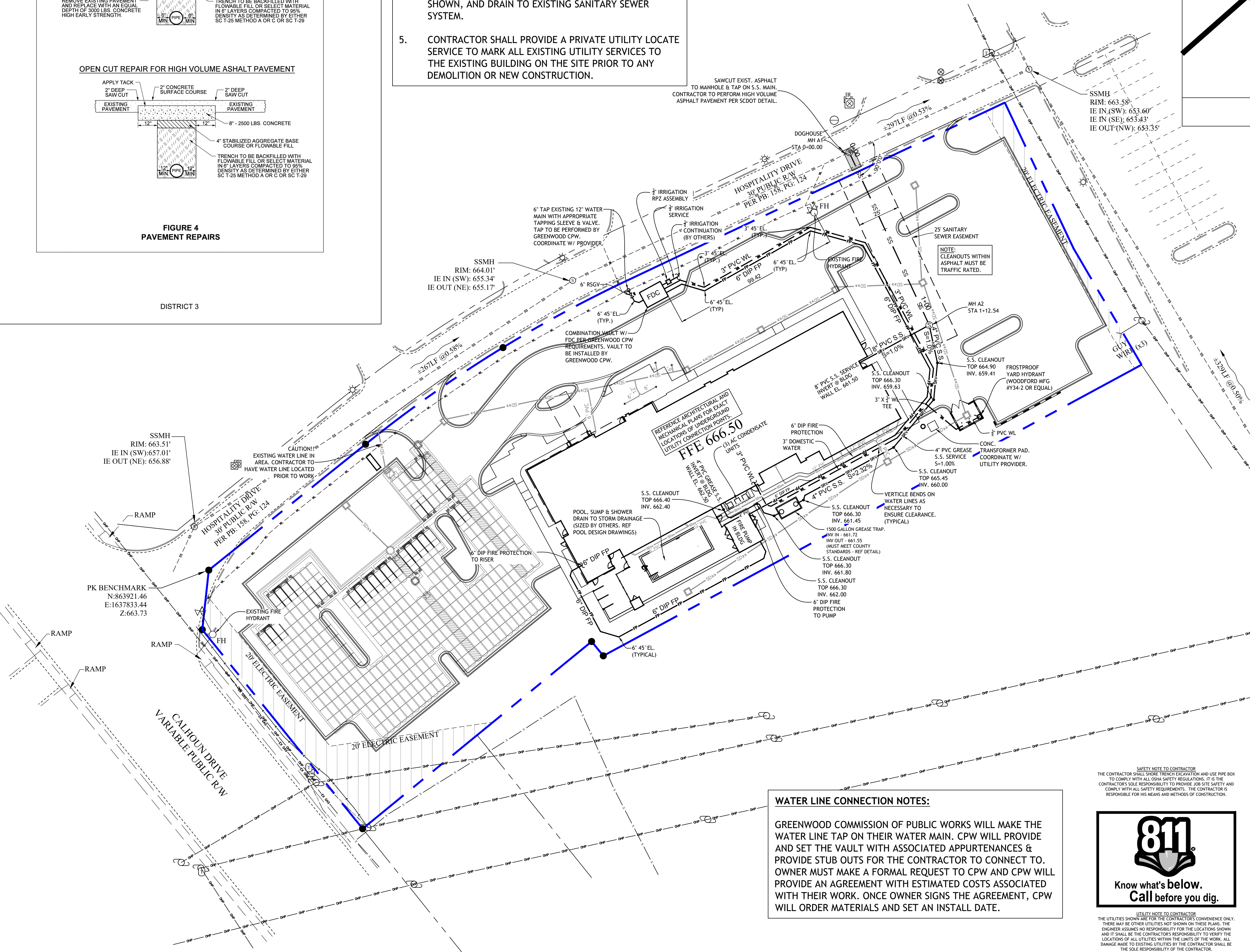
FIGURE 4
PAVEMENT REPAIRS

DISTRICT 3

UTILITY NOTES

- REFERENCE ARCHITECTURAL/MECHANICAL PLANS FOR EXACT UNDERGROUND UTILITY CONNECTION POINTS AND FOR INTERNAL UNDERGROUND UTILITY UNIONS.
- SANITARY SEWER SERVICE LINES ARE TO BE 6" PVC WITH A MINIMUM SLOPE OF 1.00%, UNLESS OTHERWISE NOTED.
- SITE LIGHTING SHOWN FOR REFERENCE ONLY.
- REFERENCE MECHANICAL DESIGN FOR SIZES, FITTINGS, AND DESIGN OF POOL DRAIN, OUTDOOR SHOWER DRAIN, AND SUMP DRAIN. CONNECT ALL DRAINS TOGETHER VIA 6" PVC, INCLUDE SANITARY SEWER CLEANOUT AS SHOWN, AND DRAIN TO EXISTING SANITARY SEWER SYSTEM.
- CONTRACTOR SHALL PROVIDE A PRIVATE UTILITY LOCATE SERVICE TO MARK ALL EXISTING UTILITY SERVICES TO THE EXISTING BUILDING ON THE SITE PRIOR TO ANY DEMOLITION OR NEW CONSTRUCTION.

SAWCUT EXIST. ASPHALT TO MANHOLE & TAP ON S.S. MAIN. CONTRACTOR TO PERFORM HIGH VOLUME ASPHALT PAVEMENT PER SCDOT DETAIL.



UTILITY PLAN LEGEND

---	PROPERTY BOUNDARY
---	SCDOT RIGHT-OF-WAY
---	LOT LINES
---	NEW ROAD/CURB & GUTTER
---	DRAINAGE/UTILITY EASEMENTS
---	EXISTING OVERHEAD ELECTRIC
---	EXISTING GAS
---	EXISTING OVERHEAD POWER
---	PROPOSED STORM DRAINAGE
---	PROPOSED WATERLINE
---	EXISTING SANITARY SEWER
---	PROPOSED SANITARY SEWER
---	PROPOSED SANITARY SEWER SERVICE LINE

SPECIAL GRAY ENGINEERING NOTES:

- SITE CONTRACTOR SHALL HAVE AN ACCEPTABLE SOIL TESTING FIRM/GEOTECH TEST ALL EARTHWORK COMPACTION. PROOF ROLL ALL AREAS AND SUBMIT REPORTS TO THE OWNER ON A WEEKLY BASIS.
- SITE CONTRACTOR TO SUBMIT A WEEKLY TIME LOG OF CONSTRUCTION EVENTS INCLUDING DATE STARTED AND COMPLETED EACH WEEK ALONG WITH SITE PHOTOS SENT OR E-MAILED TO THE OWNER.
- NO CLEARING DEBRIS OR TOPSOIL TO BE BURIED ON SITE. ALL FILL TO BE FREE OF ORGANICS AND ROCK.
- FRONT LOT PINS SHALL BE SET BY R.L.S. (REGISTER LAND SURVEYOR) BEFORE STORM DRAINAGE, WATER LINES AND SEWER LINES ARE INSTALLED.
- ALL BUILDING DOWNSPOUTS MUST BE PIPED TO EXISTING CATCH BASINS, DRAINAGE SWALES, OR SLOPE DRAINS. INSTALL TO ELIMINATE RUNOFF OVER SLOPES AND PONDING AROUND BUILDING.
- A BUFFER SHOULD BE MAINTAINED BETWEEN ALL WOS AND CLEARLY DELINEATED BY FLAG, TAPE OR SIMILAR MAKING DEVICES TO ENSURE THE BUFFER AREAS ARE VISIBLE.
- SWALES TO BE CONSIDERED STORMWATER FEATURES AND TO BE INCLUDED IN THE MAINTENANCE OF ALL STORMWATER FEATURES AND TO BE INCLUDED ON FINAL PLAN.
- ALL FILL SHALL BE COMPACTED TO 95% STD. PROCTOR PER ASTM D-698. THE BUILDING PAD AREA SHALL BE PROFF-ROLLED (20' PUMP TRUCK). ALL SOFT SPOTS (IF ANY) SHALL BE UNDERCUT AND COMPACTED TO 98% STANDARD UNDER BUILDING. THIS INCLUDES ALL TRENCH COMPACTION AFTER EXISTING UTILITY IS REMOVED AND ALL NEW TRENCH UNDER BUILDING.
- SECONDARY PERMITTEE (BUILDER) SHALL ENSURE POSITIVE DRAINAGE FOR EACH INDIVIDUAL LOT AND IS RESPONSIBLE FOR INDIVIDUAL LOT SWALES NOT SHOWN ON PLANS. SWALES SHOWN ON PLANS ARE FOR OVERALL DRAINAGE PATTERNS DEEMED NECESSARY BY THE ENGINEER.

NOTE:
IF DISCREPANCY IS DISCOVERED
ON SITE, CONTACT ENGINEER
IMMEDIATELY FOR REVIEW

WATER LINE CONNECTION NOTES:

GREENWOOD COMMISSION OF PUBLIC WORKS WILL MAKE THE WATER LINE TAP ON THEIR WATER MAIN. CPW WILL PROVIDE AND SET THE VAULT WITH ASSOCIATED APPURTENANCES & PROVIDE STUB OUTS FOR THE CONTRACTOR TO CONNECT TO. OWNER MUST MAKE A FORMAL REQUEST TO CPW AND CPW WILL PROVIDE AN AGREEMENT WITH ESTIMATED COSTS ASSOCIATED WITH THEIR WORK. ONCE OWNER SIGNS THE AGREEMENT, CPW WILL ORDER MATERIALS AND SET AN INSTALL DATE.

SAFETY NOTE TO CONTRACTOR
THE CONTRACTOR SHALL SHORE TRENCH EXCAVATION AND USE PIPE BOX TO COMPLY WITH ALL OSHA SAFETY REGULATIONS. IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO PROVIDE JOB SITE SAFETY AND COMPLY WITH ALL SAFETY REQUIREMENTS. THE CONTRACTOR IS RESPONSIBLE FOR HIS MEANS AND METHODS OF CONSTRUCTION.



UTILITY NOTE TO CONTRACTOR
THE UTILITIES SHOWN ARE FOR THE CONTRACTOR'S CONVENIENCE ONLY. THERE MAY BE OTHER UTILITIES NOT SHOWN ON THESE PLANS. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR THE LOCATIONS SHOWN AND IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE LOCATIONS OF ALL UTILITIES WITHIN THE LIMITS OF THE WORK. ALL DAMAGE MADE TO EXISTING UTILITIES BY THE CONTRACTOR SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.

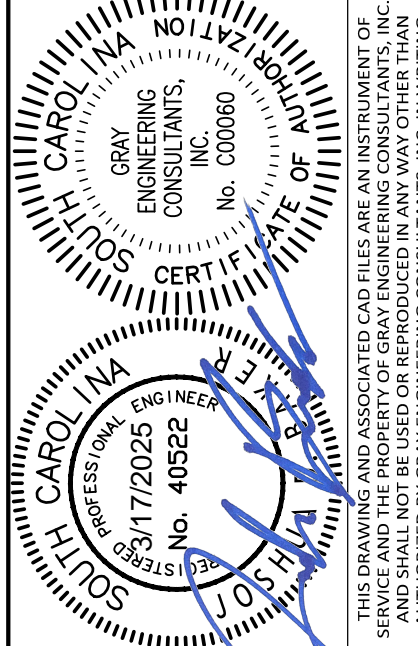
PROPOSED HOME 2 SUITES HOTEL

DEVELOPER	ENGINEER
PARAGON HOTEL COMPANY RICKY PATEL 109 DESTINATION BLVD. ANDERSON, SC 29621 864-375-0037	GRAY ENGINEERING JOSHUA D BAKER, P.E. 132 PILGRIM ROAD GREENVILLE, SC 29607 864-297-3027

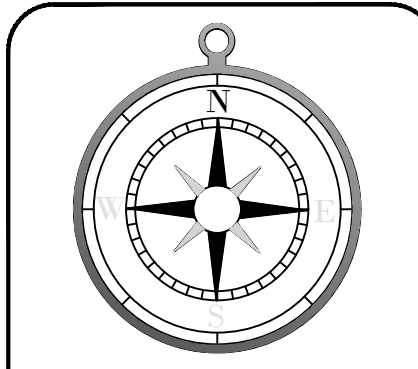
TAX MAP#: 6836-796-391

NO. OF ACRES: 2.29 DATE: 5/26/2023

NO.	DATE	BY	REVISION
A	7/19/24	MSG	REVISIONS - RESUBMITTAL
B	9/20/24	MSG	REVISE POOL PATIO & FIRE PROTECTION - IEA
C	11/22/24	MSG	REVISE WATER LINES PER CPW - IEA



UTILITY PLAN
PROPOSED HOME 2 SUITES
BY HILTON
GREENWOOD COUNTY
SOUTH CAROLINA
475 HOSPITALITY BOULEVARD



SCALE: 1" = 30'
PROJECT MANAGER: ZDJ
DRAWN BY: MSG
PROJECT DATE: 5/3/2023
JOB No.: 2023104
PLOT DATE: 3/17/25

SHEET
CV-3

PHASE 1 EROSION CONTROL PLAN CONSTRUCTION SEQUENCE

- DESIGN ENGINEER SHALL NOTIFY SCDHEC AND SET UP PRE-CON MEETING PRIOR TO ANY LAND DISTURBING ACTIVITIES. ENGINEER, SCDHEC INSPECTOR, AND CONTRACTOR REQUIRED TO ATTEND MEETING. CEPCSI INSPECTOR AND DEVELOPER STRONGLY ENCOURAGED TO ALSO ATTEND MEETING. CONTRACTOR TO SIGN CONTRACTOR CERTIFICATION AND BE KEPT AT JOBSITE AT ALL TIMES. PLEASE UPDATE AS NEEDED FOR ADDITIONAL SUBCONTRACTORS.
- COMPLETE 2021 CGP, CITY OF GREER GRADING PERMIT, NPDES COVERAGE LETTER, CONTRACTOR CERTIFICATION, STAMPED APPROVED SET OF PLANS, AND C-SWPPP TO BE KEPT AT JOBSITE AT ALL TIMES.
- CEPCSI INSPECTIONS REQUIRED AT LEAST ONCE EVERY 7 CALENDAR DAYS ONCE CONSTRUCTION BEGINS AND WITHIN 24 HOURS OF EVERY STORM EVENT OF OVER 1/2 INCH OF RAINFALL. RAIN GAUGE TO BE KEPT AT JOBSITE AND LOG UPDATED AFTER ALL RAIN EVENTS OVER 1/2 INCH.
- CONTRACTOR MAY BEGIN INSTALLATION OF ALL PERIMETER SILT FENCING AND INSTALL STONE CONSTRUCTION ENTRANCE AND HAT. DISTURBANCE LIMITED TO ONLY WHAT IS NEEDED TO INSTALL SILT FENCE. NO DIRT OR MUD ALLOWED ON HOSPITALITY DRIVE OR CALHOUN DRIVE, CLEAN ROADS DAILY.
- CONTRACTOR TO INSTALL TEMPORARY SEDIMENT BASIN WITH OUTLET CONTROL STRUCTURE AND SUMMER PER DETAILS.
- CONTRACTOR SHALL NOTIFY SCDHEC INSPECTOR ONCE PRELIMINARY EROSION CONTROLS ARE INSTALLED. CONTRACTOR SHALL DEMOLISH (IF) ANY EXISTING STRUCTURES ON PROPERTY IN ACCORDANCE WITH ALL LOCAL AND FEDERAL REGULATIONS.
- CONTRACTOR SHALL CAP AND PLUG (IF) ANY WELL IN ACCORDANCE WITH LOCAL AND FEDERAL REGULATIONS.
- ONCE PERIMETER SILT FENCE, TEMPORARY SEDIMENT BASIN, DIVERSION DITCHES/BERMS, ROCK CHECK DAMS, SILT FENCE ROCK OUTLET AND CONSTRUCTION EXITS ARE INSTALLED ACCORDING TO SPECIFICATIONS, CONTRACTOR MAY BEGIN CLEARING AND GRUBBING SITE.
- TEMPORARY SEEDING AROUND SITE AS NECESSARY.
- PHASE 2 NOT ALLOWED UNTIL ALL BMPs ARE VERIFIED INCLUDING SILT FENCE, AND CONSTRUCTION EXIT.
- WEEKLY INSPECTIONS ARE TO CONTINUE TO CLOSELY MONITOR ALL DOWNSTREAM AREAS WHERE STORMWATER IS LEAVING SITE TO CHECK FOR ANY SEDIMENT NOT BEING CAPTURED ONSITE.

POLLUTION PREVENTION NOTES

- MINIMIZE THE DISCHARGE OF POLLUTANTS FROM DEWATERING TRENCHES AND EXCAVATIONS BY MANAGING RUNOFF WITH THE APPROPRIATE CONTROLS SUCH AS THE ONSITE SEDIMENT BASINS OR ADDITIONAL SILT FENCE WITH APPROVAL OF ENGINEER/COUNTY. OTHERWISE THESE DISCHARGES ARE PROHIBITED.
- MINIMIZE THE DISCHARGE OF POLLUTANTS FROM EQUIPMENT AND VEHICLE WASHING, WHEEL WASH WATER, AND OTHER WASH WATERS. WASH WATERS MUST BE TREATED IN A SEDIMENT BASIN OR ALTERNATIVE CONTROL THAT PROVIDES EQUIVALENT OR BETTER TREATMENT PRIOR TO DISCHARGE.
- MINIMIZE THE EXPOSURE OF BUILDING MATERIALS, BUILDING PRODUCTS, CONSTRUCTION WASTES, TRASH, LANDSCAPE MATERIALS, FERTILIZERS, PESTICIDES, HERBICIDES, DETERGENTS, SANITARY WASTE AND OTHER MATERIALS PRESENT ON THE SITE TO PRECIPITATION AND TO STORMWATER; AND
- MINIMIZE THE DISCHARGE OF POLLUTANTS FROM SPILLS AND LEAKS AND IMPLEMENT CHEMICAL SPILL AND LEAK PREVENTION AND RESPONSE PROCEDURES. ONSITE FUEL CLEANUP KIT REQUIRED AT ALL TIMES DURING CONSTRUCTION. MINIMUM 10 GALLON CAPACITY.

PORTABLE TOILETS

PORTABLE TOILET FACILITIES MUST BE PROVIDED AND MAINTAINED IN A SAFE AND SANITARY MANNER IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL REQUIREMENTS OR PERMIT CONDITIONS.

WHEN PLACED AT A WORK SITE, THE TOILETS MUST BE PLACED IN ACCORDANCE WITH OSHA REQUIREMENTS AND SERVICED IN ACCORDANCE WITH INDUSTRY STANDARDS.

THE TOILET UNIT MUST BE SET ON A LEVEL STABLE BASE MATERIAL, AWAY FROM STORM DRAINS, WATERWAYS, AND AREAS WITH HIGH VEHICULAR TRAFFIC. THE PORTABLE TOILET SHALL NOT BE PLACED ON THE PUBLIC ROAD PAVEMENT, A PUBLIC SIDEWALK, SEWER MANHOLE, CATCH BASIN OR CURB INLET.

PORTABLE TOILETS SHALL BE POSTED WITH PROPER SIGNAGE TO DISPLAY THE TELEPHONE NUMBER AND CONTACT INFORMATION FOR THE COMPANY RESPONSIBLE FOR CLEANING, SERVICING OR REPAIR OF THE TOILET UNITS.

SURFACE WATER BMP MAINTENANCE NOTES

ALL BMPs WHOSE DISCHARGES REACH ADJACENT SURFACE WATERS SHOULD BE MAINTAINED UNTIL FINAL STABILIZATION IS REACHED.

ALL BMPs DISCHARGING TO A SURFACE WATERS MUST BE MAINTAINED TO PREVENT THE DISCHARGE OF SEDIMENT-LADEN STORMWATER TO TEH BEST EXTENT POSSIBLE.

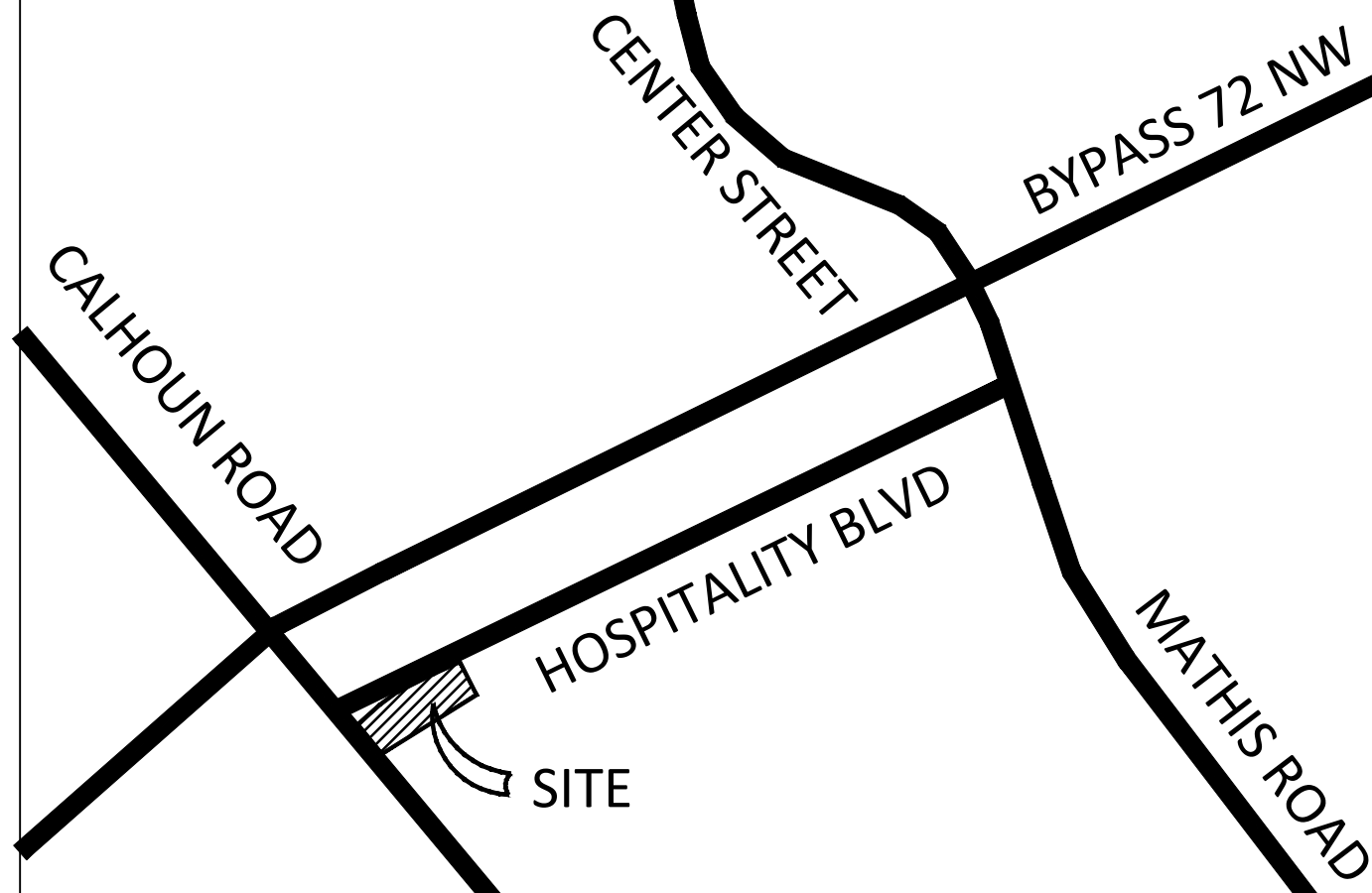
ANY ACCUMULATED SEDIMENT WITHIN BMPs ADJACENT TO SURFACE WATER IS TO BE REMOVED WHEN THE SEDIMENT DEPTH REACHES THE CLEANOUT HEIGHT OF EACH SPECIFIC BMP.

RECORDS OF MAINTENANCE OF ALL BMPs DISCHARGING TO SURFACE WATERS MUST BE KEPT WITHIN THE SWPPP'S MAINTENANCE LOG.

PROHIBITED DISCHARGES

PERMITTEES, CONTRACTORS, AND ALL OTHER RESPONSIBLE PARTIES FOR CONDUCTING AND DISTURBING ACTIVITIES ARE PROHIBITED TO DISCHARGE, FROM THE CONSTRUCTION SITE, THE FOLLOWING ITEMS:

- WASTEWATER FROM WASHOUT OF CONCRETE, UNLESS IN DESIGNATED CONCRETE WASHOUT AREA.
- WASTEWATER FROM WASHOUT AND CLEANOUT OF STUCCO, PAINT, FORM RELEASE OILS, CURING COMPOUNDS AND OTHER CONSTRUCTION MATERIALS.
- FUELS, OILS, OR OTHER POLLUTANTS USED IN VEHICLE AND EQUIPMENT OPERATION AND MAINTENANCE; AND
- SOAPS OR SOLVENTS USED IN VEHICLE AND EQUIPMENT WASHING.



SITE LOCATION MAP
(NOT TO SCALE)

EROSION AND SEDIMENTATION CONTROLS
LEGEND - PHASE 1

- | | | |
|--|-----|--------------------------------------|
| | SF | SILT FENCING |
| | LOD | LIMITS OF DISTURBANCE |
| | | PROPERTY LINE |
| | IP1 | WIRE MESH AND STONE INLET PROTECTION |
| | IP2 | SEDIMENT TUBE INLET PROTECTION |
| | CE | CONSTRUCTION EXIT RIPRAP |
| | RR | OUTLET PROTECTION |

SPECIAL GRAY ENGINEERING NOTES:

- SITE CONTRACTOR SHALL HAVE AN ACCEPTABLE SOIL TESTING FIRM/GEOTECH TEST ALL EARTHWORK COMPACTION. PROOF ROLL ALL AREAS AND SUBMIT REPORTS TO THE OWNER ON A WEEKLY BASIS.
- SITE CONTRACTOR TO SUBMIT A WEEKLY TIME LOG OF CONSTRUCTION EVENTS INCLUDING DATE STARTED AND COMPLETED EACH WEEK ALONG WITH SITE PHOTOS SENT OR E-MAILED TO THE OWNER.
- NO CLEARING DEBRIS OR TOPSOIL TO BE BURIED ON SITE. ALL FILL TO BE FREE OF ORGANICS AND ROCK.
- FRONT LOT PINS SHALL BE SET BY R.L.S. (REGISTER LAND SURVEYOR) BEFORE STORM DRAINAGE, WATER LINES AND SEWER LINES ARE INSTALLED.
- ALL BUILDING DOWNSPOUTS MUST BE PIPED TO EXISTING CATCH BASINS, DRAINAGE SWALES, OR SLOPE DRAINS. INSTALL TO ELIMINATE RUNOFF OVER SLOPES AND PONDING AROUND BUILDING.
- A BUFFER SHOULD BE MAINTAINED BETWEEN ALL WOS AND CLEARLY DELINEATED BY FLAG, TAPE OR SIMILAR MARKING DEVICES TO ENSURE THE BUFFER AREAS ARE VISIBLE.
- SWALES TO BE CONSIDERED STORMWATER FEATURES AND TO BE INCLUDED IN THE MAINTENANCE OF ALL STORMWATER FEATURES AND TO BE INCLUDED ON FINAL PLAN.
- ALL FILL SHALL BE COMPACTED TO 95% STD. PROCTOR PER ASTM D-698. THE BUILDING PAD AREA SHALL BE PROFF-ROLLED (20R PUMP TRUCK). ALL SOFT SPOTS (IF ANY) SHALL BE UNDERCUT AND COMPACTED TO 98% STANDARD UNDER BUILDING. THIS INCLUDES ALL TRENCH COMPACTION AFTER EXISTING UTILITY IS REMOVED AND ALL NEW TRENCH UNDER BUILDING.
- SECONDARY PERMITTEE (BUILDER) SHALL ENSURE POSITIVE DRAINAGE FOR EACH INDIVIDUAL LOT AND IS RESPONSIBLE FOR INDIVIDUAL LOT SWALES NOT SHOWN ON PLANS. SWALES SHOWN ON PLANS ARE FOR OVERALL DRAINAGE PATTERNS DEEMED NECESSARY BY THE ENGINEER.

NOTE:

IF DISCREPANCY IS DISCOVERED ON SITE, CONTACT ENGINEER IMMEDIATELY FOR REVIEW

SAFETY NOTE TO CONTRACTOR
THE CONTRACTOR SHALL SHORE TRENCH EXCAVATION AND USE PIPE BOX TO COMPLY WITH ALL OSHA SAFETY REGULATIONS. IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO PROVIDE JOB SITE SAFETY AND COMPLY WITH ALL SAFETY REQUIREMENTS. THE CONTRACTOR IS RESPONSIBLE FOR HIS MEANS AND METHODS OF CONSTRUCTION.



UTILITY NOTE TO CONTRACTOR
THE UTILITIES SHOWN ARE FOR THE CONTRACTORS CONVENIENCE ONLY. THERE MAY BE OTHER UTILITIES NOT SHOWN ON THESE PLANS. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR THE LOCATIONS SHOWN AND IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO VERIFY THE LOCATIONS OF ALL UTILITIES WITHIN THE LIMITS OF THE WORK. ALL DAMAGE MADE TO EXISTING UTILITIES BY THE CONTRACTOR SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.

PROPOSED HOME 2 SUITES HOTEL

DEVELOPER

PARAGON HOTEL COMPANY
RICKY PATEL
109 DESTINATION BLVD.
ANDERSON, SC 29621
864-375-0037

ENGINEER

GRAY ENGINEERING
JOSHUA D BAKER, P.E.
132 PILGRIM ROAD
GREENVILLE, SC 29607
864-297-3027

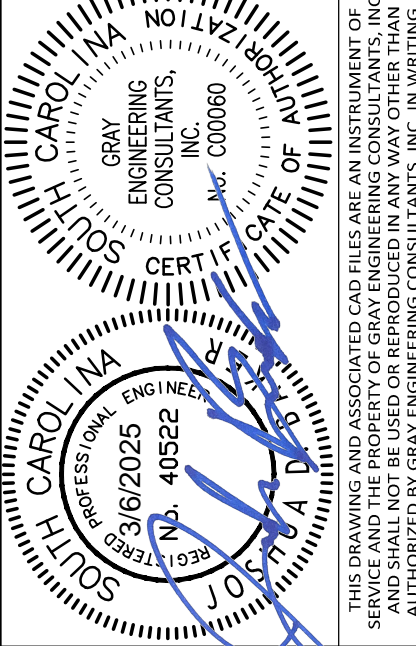
TAX MAP#: 6836-796-391

NO. OF ACRES: 2.29

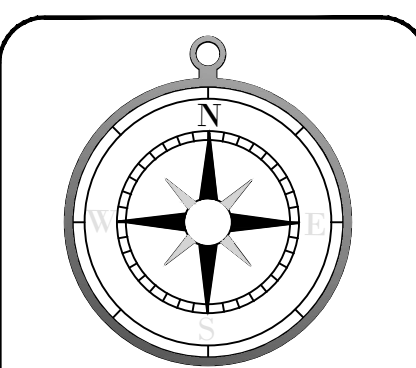
DATE: 5/26/2023

NO.	DATE	BY	REVISIONS - RESUBMITTAL
A	7/19/24	MSG	REVISE POOL PATIO & FIRE PROTECTION - IEA
B	9/20/24	MSG	REVISE WATER LINES PER CPW - IEA
C	11/22/24	MSG	

Gray Engineering
132 PILGRIM ROAD - GREENVILLE, SC 29607
PH: 864-297-3027
WWW.GRAYENGINEERING.COM



EROSION & SEDIMENTATION CONTROL PLAN-PHASE 1
PROPOSED HOME 2 SUITES HOTEL BY HILTON
GREENWOOD COUNTY
SOUTH CAROLINA
475 HOSPITALITY BOULEVARD



SCALE: 1" = 30'
PROJECT MANAGER: ZDJ
DRAWN BY: MSG
PROJECT DATE: 5/3/2023
JOB No.: 2023104
PLOT DATE: 3/6/25

SHEET
EC-1

PHASE 2 EROSION CONTROL PLAN CONSTRUCTION SEQUENCE

1. CONTRACTOR NOT TO BEGIN GRADING (PHASE 2) OF SITE UNTIL ALL BMPs INCLUDING SILT FENCE, PERIMETER CONTROLS, AND CONSTRUCTION EXIT HAVE BEEN INSTALLED.
2. WEEKLY INSPECTIONS ARE TO CONTINUE TO CLOSELY MONITOR ALL DOWNSTREAM AREAS WHERE STORMWATER IS LEAVING SITE TO CHECK FOR ANY SEDIMENT NOT BEING CAPTURED ON-SITE.
3. MASS GRADING TO BEGIN TO ESTABLISH ELEVATIONS AS SHOWN ON GRADING PLAN.
4. CONTRACTOR CAN BEGIN INSTALLING STORMWATER, SANITARY SEWER, AND WATER PIPE AS DEEMED APPROPRIATE. (NO TIE INTO EXISTING WATER MAIN OR SEWER MANHOLE WITHOUT PRIOR APPROVAL AND TIE-IN INSPECTION)
5. AS STORM PIPE AND CATCH BASINS ARE INSTALLED, INLET PROTECTION TO BE IMMEDIATELY INSTALLED AS SHOWN. PLEASE ALSO SEE DETAILS FOR PIPE INLET PROTECTION DURING CONSTRUCTION.
6. CONTRACTOR TO BEGIN INSTALLING UNDERGROUND DETENTION SYSTEM AND REMOVING TEMPORARY SEDIMENT BASIN.
7. CONTRACTOR TO TIE STORM DRAINAGE INTO UNDERGROUND DETENTION ONCE SYSTEM IS INSTALLED AND FUNCTIONING.
8. ALL SILT FENCE TO BE CLEARED OF ACCUMULATED SILT ONCE SILT HAS REACHED 1/3 HEIGHT OF SILT FENCE.
9. AS SLOPES BECOME FINALIZED, PERMANENT GRASSING TO BE INSTALLED. FOR ALL SLOPES OVER 6 FEET IN HEIGHT, EROSION CONTROL MATTING BLANKET IS TO BE INSTALLED PER DETAIL SHEETS.
10. INSTALLATION OF CONCRETE WASHOUT AREA BMP REQUIRED PRIOR TO POURING CONCRETE/CURBING ON-SITE.
11. FINE GRADING.
12. INSTALLATION OF CURB AND GUTTER CAN BEGIN ONCE ALL UTILITIES IN ROADWAY HAVE BEEN INSTALLED AND FILL PROPERLY COMPACTED.
13. ONCE CATCH BASIN INLETS HAVE BEEN TIED INTO NEW CURBING, SEDIMENT TUBES ARE TO BE INSTALLED IMMEDIATELY IN PLACE OF STONE AND WIRE MESH.
14. ALL SEDIMENT AND EROSION CONTROL DEVICES TO CONTINUE TO BE MAINTAINED WHILE ALL FINAL GRADING IS COMPLETED PRIOR TO FINAL STABILIZATION.
15. FINE GRADING TO CONTINUE AND PERMANENT SEEDING APPLIED TO AREAS THAT WILL NOT BE DISTURBED DURING THE BUILDING CONSTRUCTION. TEMPORARY GRASSING AS NEEDED FOR ALL AREAS, WHERE CONSTRUCTION ACTIVITIES HAVE CEASED FOR MORE THAN 14 DAYS.
16. ENSURE NO SEDIMENT ON ADJACENT ROADWAYS. STABILIZE IMMEDIATELY.
17. ROADWAYS TO BE PAVED AND REMAINING UTILITIES TO BE INSTALLED.
18. ALL UTILITY PROVIDERS TO SIGN BLANKET UTILITY NO. AND INCLUDE IN ON-SITE SWPPP.
19. ONCE ALL UTILITIES HAVE BEEN INSTALLED, FINAL GRASSING CAN BE ESTABLISHED.
20. ALL INLET PROTECTION TO REMAIN AND TO BE MAINTAINED BY FOLLOWING MANUFACTURERS MAINTENANCE INSTRUCTIONS.
21. AS CONSTRUCTION BEGINS, PRIMARY PERMITTEE IS STILL RESPONSIBLE FOR ALL EROSION CONTROL MATTERS AND IS TO LIST ALL CONTRACTORS AND SUBCONTRACTORS IN ON-SITE SWPPP. ALL BUILDERS AND SUBCONTRACTORS ARE TO SIGN CONTRACTORS CERTIFICATION SO THEY ARE AWARE OF THEIR RESPONSIBILITY IN REGARDS TO EROSION CONTROL.
22. ONCE FINAL STABILIZATION OF SITE INCLUDING PERMANENT GRASSING HAS TAKEN PLACE, ALL TEMPORARY SILT FENCE MUST BE REMOVED.
23. DEVELOPER TO SUBMIT APPROPRIATE AS-BUILT CERTIFICATIONS. 80% STABILIZATION IS REQUIRED FOR CLOSE OUT.
24. CONTACT SCDHEC FOR CLOSEOUT/TERMINATION INSPECTION.
25. CONSULT WITH ENGINEER TO SUBMIT FOR NOT WITH DHEC ONCE CLOSEOUT INSPECTION ITEMS HAVE BEEN ADDRESSED.

POLLUTION PREVENTION NOTES

- MINIMIZE THE DISCHARGE OF POLLUTANTS FROM DEWATERING TRENCHES AND EXCAVATIONS BY MANAGING RUNOFF WITH THE APPROPRIATE CONTROLS SUCH AS THE ON-SITE SEDIMENT BASINS OR ADDITIONAL SILT FENCE WITH APPROVAL OF ENGINEER/COUNTY. OTHERWISE THESE DISCHARGES ARE PROHIBITED.
- MINIMIZE THE DISCHARGE OF POLLUTANTS FROM EQUIPMENT AND VEHICLE WASHING, WHEEL WASH WATER, AND OTHER WASH WATERS. WASH WATERS MUST BE TREATED IN A SEDIMENT BASIN OR ALTERNATIVE CONTROL THAT PROVIDES EQUIVALENT OR BETTER TREATMENT PRIOR TO DISCHARGE.
- MINIMIZE THE EXPOSURE OF BUILDING MATERIALS, BUILDING PRODUCTS, CONSTRUCTION WASTES, TRASH, LANDSCAPE MATERIALS, FERTILIZERS, PESTICIDES, HERBICIDES, DETERGENTS, SANITARY WASTE AND OTHER MATERIALS PRESENT ON THE SITE TO PRECIPITATION AND TO STORMWATER; AND
- MINIMIZE THE DISCHARGE OF POLLUTANTS FROM SPILLS AND LEAKS AND IMPLEMENT CHEMICAL SPILL AND LEAK PREVENTION AND RESPONSE PROCEDURES. ON-SITE FUEL CLEANUP KIT REQUIRED AT ALL TIMES DURING CONSTRUCTION. MINIMUM 10 GALLON CAPACITY.

NOTE: ALL AREAS DISTURBED MUST BE STABILIZED WITHIN 14 DAYS.

PORTABLE TOILETS

PORTABLE TOILET FACILITIES MUST BE PROVIDED AND MAINTAINED IN A SAFE AND SANITARY MANNER IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL REQUIREMENTS OR PERMIT CONDITIONS.

WHEN PLACED AT A WORK SITE, THE TOILETS MUST BE PLACED IN ACCORDANCE WITH OSHA REQUIREMENTS AND SERVICED IN ACCORDANCE WITH INDUSTRY STANDARDS.

THE TOILET UNIT MUST BE SET ON A LEVEL STABLE BASE MATERIAL, AWAY FROM STORM DRAINS, WATERWAYS, AND AREAS WITH HIGH VEHICULAR TRAFFIC. THE PORTABLE TOILET SHALL NOT BE PLACED ON THE PUBLIC ROAD PAVEMENT, A PUBLIC SIDEWALK, SEWER MANHOLE, CATCH BASIN OR CURB INLET.

PORTABLE TOILETS SHALL BE POSTED WITH PROPER SIGNAGE TO DISPLAY THE TELEPHONE NUMBER AND CONTACT INFORMATION FOR THE COMPANY RESPONSIBLE FOR CLEANING, SERVICING OR REPAIR OF THE TOILET UNITS.

SURFACE WATER BMP MAINTENANCE NOTES

ALL BMPs WHOSE DISCHARGES REACH ADJACENT SURFACE WATERS SHOULD BE MAINTAINED UNTIL FINAL STABILIZATION IS REACHED.

ALL BMPs DISCHARGING TO A SURFACE WATERS MUST BE MAINTAINED TO PREVENT THE DISCHARGE OF SEDIMENT-LADEN STORMWATER TO THE BEST EXTENT POSSIBLE.

ANY ACCUMULATED SEDIMENT WITHIN BMPs ADJACENT TO SURFACE WATER IS TO BE REMOVED WHEN THE SEDIMENT DEPTH REACHES THE CLEANOUT HEIGHT OF EACH SPECIFIC BMP.

RECORDS OF MAINTENANCE OF ALL BMPs DISCHARGING TO SURFACE WATERS MUST BE KEPT WITHIN THE SWPPP'S MAINTENANCE LOG.

PROHIBITED DISCHARGES

PERMITTEES, CONTRACTORS, AND ALL OTHER RESPONSIBLE PARTIES FOR CONDUCTING AND DISTURBING ACTIVITIES ARE PROHIBITED TO DISCHARGE, FROM THE CONSTRUCTION SITE, THE FOLLOWING ITEMS:

- WASTEWATER FROM WASHOUT OF CONCRETE, UNLESS IN DESIGNATED CONCRETE WASHOUT AREA.
- WASTEWATER FROM WASHOUT AND CLEANOUT OF STUCCO, PAINT, FORM RELEASE OILS, CURING COMPOUNDS AND OTHER CONSTRUCTION MATERIALS.
- FUELS, OILS, OR OTHER POLLUTANTS USED IN VEHICLE AND EQUIPMENT OPERATION AND MAINTENANCE; AND
- SOAPS OR SOLVENTS USED IN VEHICLE AND EQUIPMENT WASHING.

CENTER STREET
BYPASS 72 NW
CALHOUN ROAD
HOSPITALITY BLVD
MATHIS ROAD
SITE

SITE LOCATION MAP
(NOT TO SCALE)

EROSION AND SEDIMENTATION CONTROLS LEGEND - PHASE 2

- | | | |
|-----------|-----|--------------------------------------|
| — x — x — | SF | SILT FENCING |
| — LOD — | | LIMITS OF DISTURBANCE |
| --- | | PROPERTY LINE |
| □ | IP1 | WIRE MESH AND STONE INLET PROTECTION |
| □ | IP2 | SEDIMENT TUBE INLET PROTECTION |
| CE | CE | CONSTRUCTION EXIT RIPRAP |
| RR | RR | OUTLET PROTECTION |

WIRE MESH AND STONE INLET PROTECTION TO BE REPLACED WITH SILT TUBES ONCE SITE IS PAVED

SPECIAL GRAY ENGINEERING NOTES:

1. SITE CONTRACTOR SHALL HAVE AN ACCEPTABLE SOIL TESTING FIRM/GEOTECH TEST ALL EARTHWORK COMPACTION, PROOF ROLL ALL AREAS AND SUBMIT REPORTS TO THE OWNER ON A WEEKLY BASIS.
2. SITE CONTRACTOR TO SUBMIT A WEEKLY TIME LOG OF CONSTRUCTION EVENTS INCLUDING DATE STARTED AND COMPLETED EACH WEEK ALONG WITH SITE PHOTOS SENT OR E-MAILED TO THE OWNER.
3. NO CLEARING DEBRIS OR TOPSOIL TO BE BURIED ON SITE. ALL FILL TO BE FREE OF ORGANICS AND ROCK.
4. FRONT LOT PINS SHALL BE SET BY R.L.S. (REGISTER LAND SURVEYOR) BEFORE STORM DRAINAGE, WATER LINES AND SEWER LINES ARE INSTALLED.
5. ALL BUILDING DOWNSPOUTS MUST BE PIPIED TO EXISTING CATCH BASINS, DRAINAGE SWALES, OR SLOPE DRAINS. INSTALL TO ELIMINATE RUNOFF OVER SLOPES AND PONDING AROUND BUILDING.
6. A BUFFER SHOULD BE MAINTAINED BETWEEN ALL WOS AND CLEARLY DELINEATED BY FLAG, TAPE OR SIMILAR MARKING DEVICES TO ENSURE THE BUFFER AREAS ARE VISIBLE.
7. SWALES TO BE CONSIDERED STORMWATER FEATURES AND TO BE INCLUDED IN THE MAINTENANCE OF ALL STORMWATER FEATURES AND TO BE INCLUDED ON FINAL PLAN.
8. ALL FILL SHALL BE COMPACTED TO 95% STD. PROCTOR PER ASTM D-698. THE BUILDING PAD AREA SHALL BE PROFF-ROLLED (20R PUMP TRUCK). ALL SOFT SPOTS (IF ANY) SHALL BE UNDERCUT AND COMPACTED TO 98% STANDARD UNDER BUILDING. THIS INCLUDES ALL TRENCH COMPACTION AFTER EXISTING UTILITY IS REMOVED AND ALL NEW TRENCH UNDER BUILDING.
9. SECONDARY PERMITTEE (BUILDER) SHALL ENSURE POSITIVE DRAINAGE FOR EACH INDIVIDUAL LOT AND IS RESPONSIBLE FOR INDIVIDUAL LOT SWALES NOT SHOWN ON PLANS. SWALES SHOWN ON PLANS ARE FOR OVERALL DRAINAGE PATTERNS DEEMED NECESSARY BY THE ENGINEER.

NOTE:

IF DISCREPANCY IS DISCOVERED ON SITE, CONTACT ENGINEER IMMEDIATELY FOR REVIEW



Know what's below.
Call before you dig.

UTILITY NOTE TO CONTRACTOR
THE UTILITIES SHOWN ARE FOR THE CONTRACTORS CONVENIENCE ONLY. THERE MAY BE OTHER UTILITIES NOT SHOWN ON THESE PLANS. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR THE LOCATIONS SHOWN AND IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO VERIFY THE LOCATIONS OF ALL UTILITIES WITHIN THE LIMITS OF THE WORK. ALL DAMAGE MADE TO EXISTING UTILITIES BY THE CONTRACTOR SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.

PROPOSED HOME 2 SUITES HOTEL

DEVELOPER	ENGINEER
PARAGON GROUP COMPANY RICKY PATEL 109 DESTINATION BLVD. ANDERSON, SC 29621 864-375-0037	GRAY ENGINEERING JOSHUA D BAKER, P.E. 132 PILGRIM ROAD GREENVILLE, SC 29607 864-297-3027

TAX MAP#: 6836-796-391

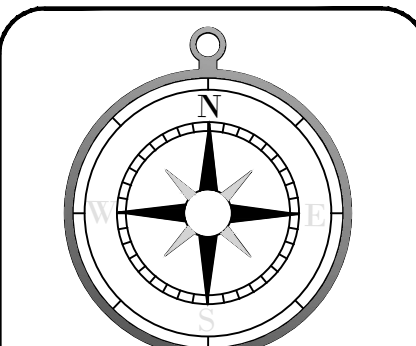
NO. OF ACRES: 2.29 DATE: 5/26/2023

NO.	DATE	BY	REVISIONS - RESUBMITTAL
A	7/19/24	MSG	REVIEW POOL PATIO & FIRE PROTECTION - FFA
B	9/20/24	MSG	REVIEW WATER LINES PER CPW - FFA
C	11/22/24	MSG	

Gray Engineering
132 PILGRIM ROAD - GREENVILLE, SC 29607
PH: 864-297-3027
WWW.GRAYENGINEERING.COM



EROSION & SEDIMENTATION CONTROL PLAN-PHASE 2
PROPOSED HOME 2 SUITES HOTEL BY HILTON
GREENWOOD COUNTY SOUTH CAROLINA
475 HOSPITALITY BOULEVARD



SCALE: 1" = 30'
PROJECT MANAGER: JDI
DRAWN BY: MSG
PROJECT DATE: 5/3/2023
JOB No.: 2023104
PLOT DATE: 3/6/25

SHEET
EC-2

SCDHEC STANDARD NOTES

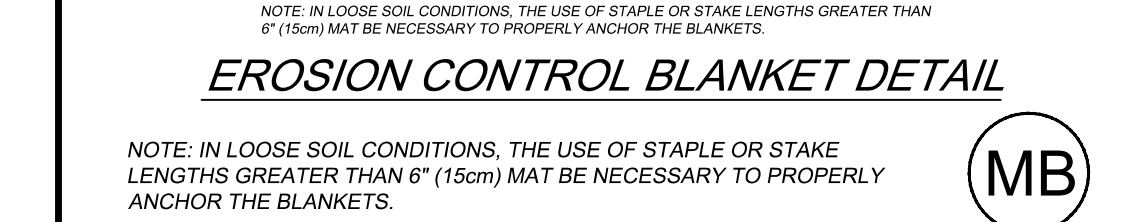
1. SILT BASINS TO BE CLEANED OUT AFTER EACH RAIN BEFORE GRASS IS ESTABLISHED. AFTER GRASS IS ESTABLISHED, AS REQUIRED TO PROVIDE MINIMUM OF 75% OF REQUIRED VOLUME.
2. GRADING CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SEDIMENT CONTROL MEASURES (IMPLEMENTATION AND MAINTENANCE). GENERAL CONTRACTOR SHALL HAVE SUPERVISORY RESPONSIBILITIES OVER GRADING CONTRACTOR.
3. ALL RIP-RAP SHALL BE DUMPED RIP-RAP IN ACCORDANCE WITH STATE HIGHWAY DEPARTMENT STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, LATEST EDITION. PIECES SHALL BE NO LARGER THAN 24 INCHES. THIS WORK SHALL ALSO CONSIST OF PLACING AN APPROVED GEOTEXTILE FABRIC, CAPABLE OF REDUCING SOIL EROSION, ON A PREPARED SLOPE BENEATH THE RIP-RAP.
4. ALL SLOPES THAT ARE 3:1 OR STEEPER SHALL BE STABILIZED WITH EROSION CONTROL FABRIC (JUTE MATTING OR EQUAL) IN ACCORDANCE WITH THE STATE HIGHWAY DEPARTMENT STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, LATEST EDITION. ALL SLOPES ARE TO BE MAINTAINED UNTIL A HEALTHY STAND OF GRASS IS ESTABLISHED.
5. GRASSING SHALL BEGIN AS SOON AS GRADING IS COMPLETED. TEMPORARY GRASSING MAY BE REQUIRED SHOULD EMBANKMENTS BE UNDER CONSTRUCTION FOR EXTENDED PERIODS.
6. FAILURE TO COMPLETE AND MAINTAIN ALL EROSION CONTROL MEASURES WILL RESULT IN THE ISSUANCE OF A STOP WORK ORDER UNTIL SUCH ITEMS ARE INSTALLED.
7. ALL TEMPORARY SILT BASINS WILL BE REMOVED AT PROJECT COMPLETION AND PERMANENTLY GRASSED.
8. ALL EXCAVATED MATERIALS TO BE USED ON SITE. ALL DEMOLISHED MATERIALS AND WASTE MATERIAL TO BE TRUCKED OFF SITE.
9. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL PERMITS REQUIRED FOR HIS BORROW AREA.

⁴ If the Common Name of the seed listed in the Tables is not available, use seed with the listed Botanical Name.

THE SEEDED AREAS WILL BE CHECKED AT LEAST ONCE EVERY SEVEN DAYS AND WITHIN 24 HOURS OF A RAINFALL EXCEEDING 0.5 INCHES TO THAT A GOOD STAND IS MAINTAINED. AREAS SHOULD BE FERTILIZED AND SEEDS AS NEEDED.

6. AFTER ACHIEVING ADEQUATE STABILIZATION, THE TEMPORARY E&S CONTROLS WILL BE CLEANED UP AND REMOVED, AND THE SEDIMENT BASINS WILL BE CLEANED OUT AND CONVERTED TO A PERMANENT STORMWATER MANAGEMENT BASINS.

JOB No.: 2023104
PLOT DATE:
SHEET
D-1



JOB SITE PERMIT POSTING DETAIL
(NOT TO SCALE)



SHOULD BE SEEDED AND STABILIZED IMMEDIATELY.



SPECIFICATION	SIZE
ROCK PAD THICKNESS	6 INCHES
ROCK PAD WIDTH	24 FEET
ROCK PAD LENGTH	100 FEET
ROCK PAD STONE SIZE	D = 2-3 INCHES

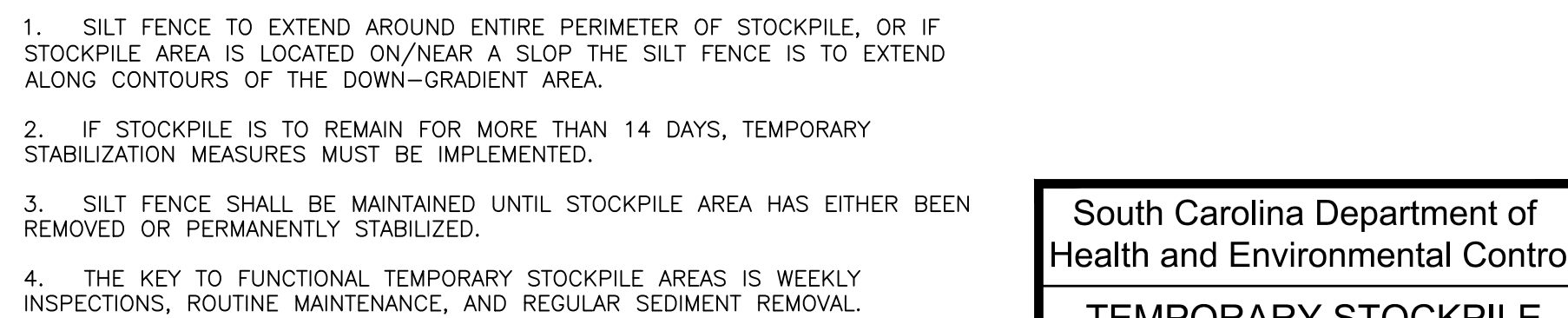
APPROVED BY: _____ AUGUST, 2005
DATE

APPROVED BY: _____ AUGUST, 2005

NOT TO SCALE



TEMPORARY STOCKPILE AREA

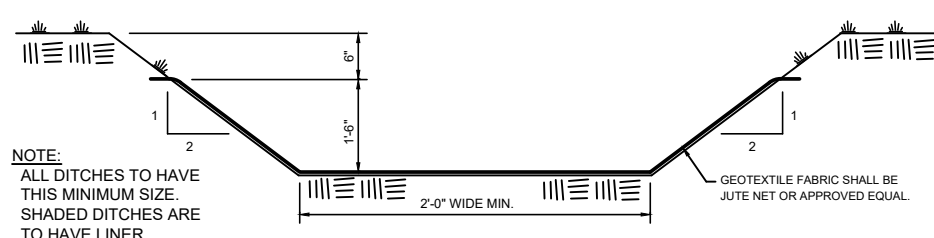


NOT TO SCALE FEBRUARY 2014
DATE

1. Stabilized construction entrances should be used at all points where traffic will egress/ingress a construction site onto a public road or any impervious surfaces, such as parking lots.
2. Install a non-woven geotextile fabric prior to placing any stone.
3. Install a culvert pipe across the entrance when needed to provide positive drainage.
4. The entrance shall consist of 2-inch to 3-inch D50 stone placed at a minimum depth of 6-inches.
5. Minimum dimensions of the entrance shall be 24-feet wide by 100-feet long, and may be modified as necessary to accommodate site constraints.
6. The edges of the entrance shall be tapered out towards the road to prevent tracking at the edge of the entrance.
7. Divert all surface runoff and drainage from the stone pad to a sediment trap or basin or other sediment trapping structure.
8. Limestone may not be used for the stone pad.
9. The key to functional construction entrances is weekly inspections, routine maintenance, and regular sediment removal.
10. Regular inspections of construction entrances 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.
11. During regular inspections, check for mud and sediment buildup and pad integrity. Inspection frequencies may need to be more frequent during long periods of wet weather.
12. Reshape the stone pad as necessary for drainage and runoff control.
13. Wash or replace stones as needed and as directed by site inspector. The stone in the entrance should be washed or replaced whenever the entrance fails to reduce the amount of mud being carried off-site by vehicles. Frequent washing will extend the useful life of stone pad.
14. Immediately remove mud and sediment tracked or washed onto adjacent impervious surfaces by brushing or sweeping. Flushing

1. The key to functional construction entrances is weekly inspections, routine maintenance, and regular sediment removal.
2. Regular inspections of construction entrances shall be conducted once every calendar week and, as recommended, within 24-hours after each rainfall even that produces 1/2-inch or more of precipitation.
3. During regular inspections, check for mud and sediment buildup and pad integrity. Inspection frequencies may need to be more frequent during long periods of wet weather.
4. Reshape the stone pad as necessary for drainage and runoff control.
5. Wash or replace stones as needed and as directed by site inspector. The stone in the entrance should be washed or replaced whenever the entrance fails to reduce the amount of mud being carried off-site by vehicles. Frequent washing will extend the useful life of stone pad.
6. Immediately remove mud and sediment tracked or washed onto adjacent impervious surfaces by brushing or sweeping. Flushing should only be used when the water can be discharged to a sediment trap or basin.
7. During maintenance activities, any broken pavement should be repaired immediately.
8. Construction entrances should be removed after the site has reached final stabilization. Permanent vegetation should replace areas from which construction entrances have been removed, and the area will be converted to an impervious surface to serve post-construction.

GENERAL NOTES FEBRUARY 2014



PERMANENT DITCH DETAIL

[illegible]

Gray
Engineering

132 PILGRIM ROAD, GREENVILLE, SC 29607
PH: (864) 293-3027, FAX: (864) 729-8747
WWW.GRAYENGINEERING.COM

©1217 - GA, C.O.A.# PEF001941 - TN, C.O.A.# 0410819



SC C.O.A.#C00060 - NC C.C.

ES
GREENWOOD COUNTY
SOUTH CAROLINA

MISCELLANEOUS NOTES AND DETAILS

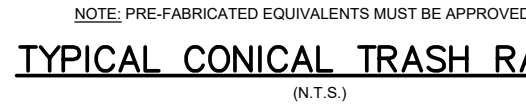
PROPOSED
HOME 2 SUITES
BY HILTON

475 HOSPITALITY BOULEVARD

SCALE:	
PROJECT MANAGER:	ZDJ
DRAWN BY:	MSG
PROJECT DATE:	5/3/2023
JOB No.:	2023104
PLOT DATE:	

SHEET

D-2



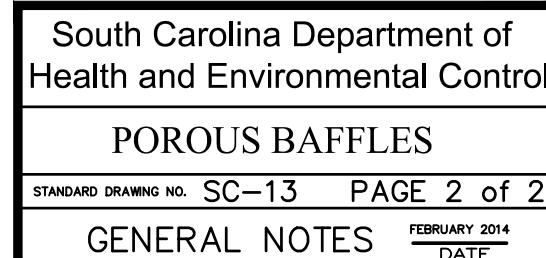
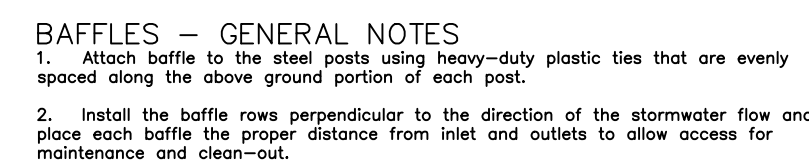
ORIFICE CONFIGURATION (TEMP SED BASIN 1)



- DETENTION POND MAINTENANCE PLAN:**

- CONSTRUCTION SEQUENCE FOR DETENTION/SEDIMENT POND:

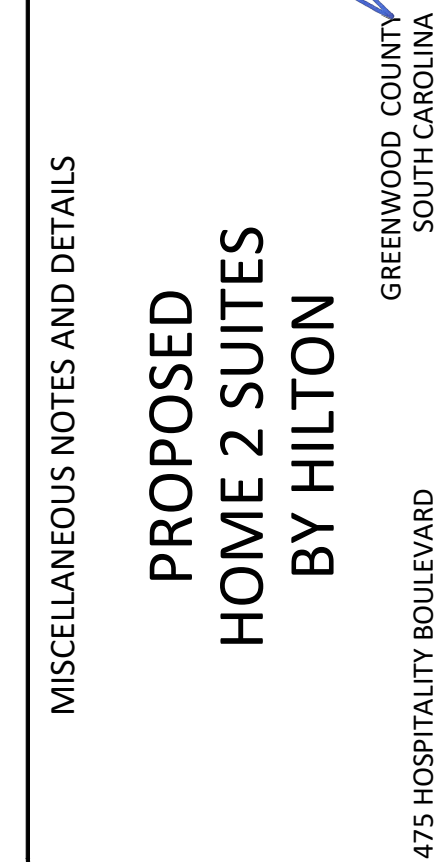
- ## BAFFLES – POST REQUIREMENTS
1. Porous baffle posts must be 60-inch to 96-inch long steel posts that meet, at a minimum, the following physical characteristics:
 - a. Composed of a high strength steel with a minimum yield strength of 50,000 psi.
 - b. Include a standard "T" section with a nominal face width of 1.38-inches and a nominal "T" length of 1.48-inches.
 - c. Weigh 125 pounds per foot (± 8%)
 - d. Posts shall be equipped with connections to fit in fastening of baffle material.
 2. Install posts to a minimum of 24-inches. A minimum height of 1 – to 2 feet above the fabric shall be maintained, and a maximum height of 3 – to 3 1/2 feet shall be maintained above the ground.
 3. Post spacing shall be at a maximum of 4-feet on center.
- ## BAFFLES – MATERIAL REQUIREMENTS
1. Baffle material must be composed of coir-based materials or Turf Reinforcement Matting (TRM) that conforms to the following requirements:
 - a. Free of light penetration (5 openings between 10-35%;
 - b. Free of loose straw material;
 - c. Have a minimum tensile strength of 145 lb/ft; and
 - d. Have a minimum width of 48-inches.
 2. 12-inches of the fabric should be placed within excavated trench and tied in such that the trench is backfilled with baffle material. May be stapled 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
- ## 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. Inspections shall occur 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 as 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 across disturbed area. Minimize the removed sediment if it is relocated.
 6. Check for areas where stormwater runoff has eroded a channel beneath 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 circumstances that may render a baffle ineffective. Remove 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.



IF THE CONTRACTOR SHOULD
ENCOUNTER CONFLICTING SITEWORK
NOTES, THE MORE STRINGENT
NOTE SHALL APPLY.

Gray Engineering

133 PILGRIM ROAD - GREENVILLE, SC 29607
PH: (864) 275-3037 FAX: (864) 275-8747
WWW.GRAYENGINEERING.COM



SCALE:	
PROJECT MANAGER:	ZDJ
DRAWN BY:	MSG
PROJECT DATE:	5/3/2023
JOB No.:	2023104
PLOT DATE:	

SHEET
D-4

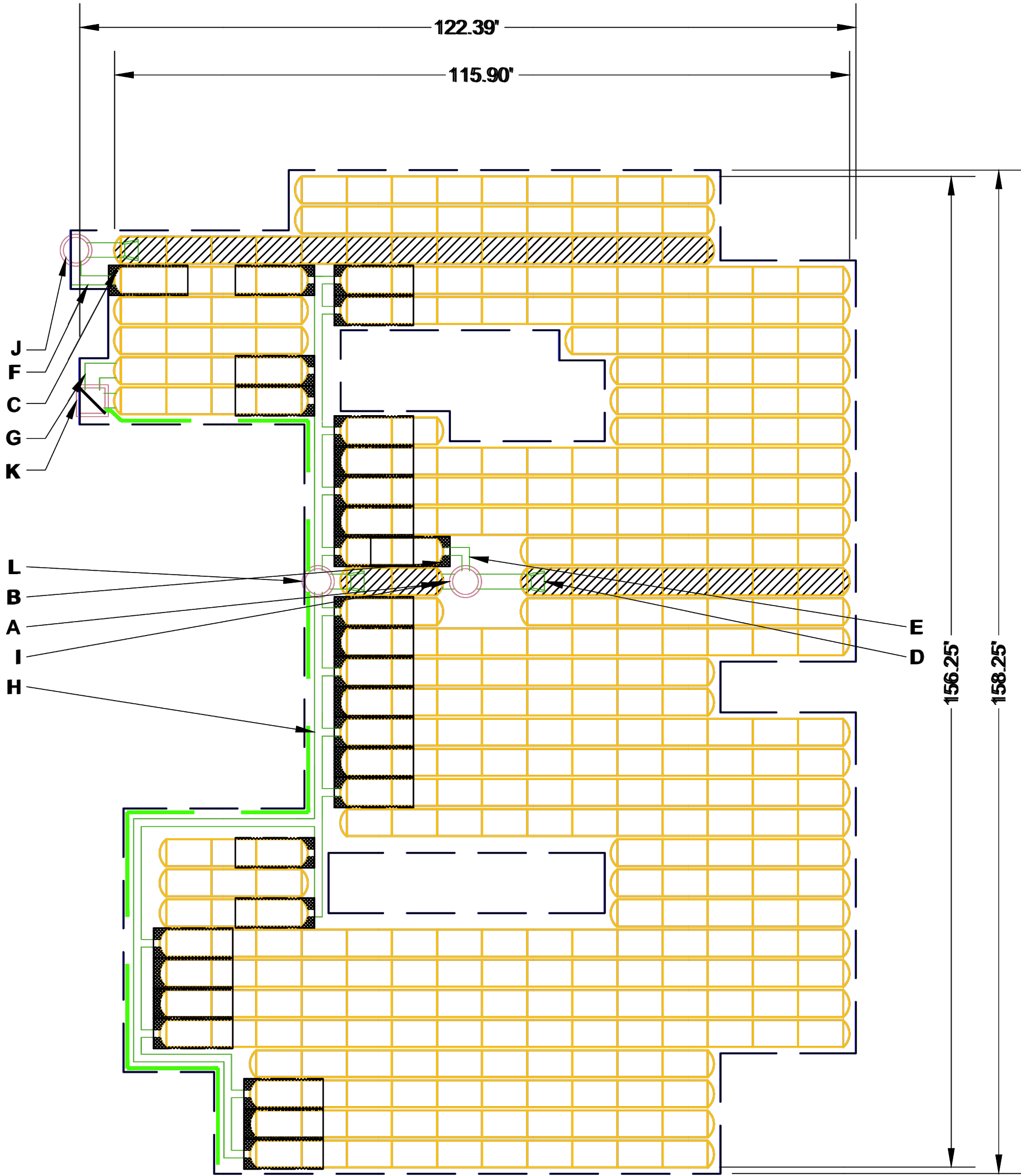
A

B

C

D

PROPOSED LAYOUT				PROPOSED ELEVATIONS:				*INVERT ABOVE BASE OF CHAMBER			
351	STORMTECH SC-800 CHAMBERS	MAXIMUM ALLOWABLE GRADE (TOP OF PAVEMENT/UNPAVED):	670.84	PART TYPE	ITEM ON LAYOUT	DESCRIPTION	INVERT*	MAX FLOW			
90	STORMTECH SC-800 END CAPS	MINIMUM ALLOWABLE GRADE (UNPAVED WITH TRAFFIC):	664.39								
6	STONE ABOVE (in)	MINIMUM ALLOWABLE GRADE (UNPAVED NO TRAFFIC):	663.89	PREFABRICATED END CAP	A	24" BOTTOM CORED END CAP, PART#: SC800EPE24BPC / TYP OF ALL 24" BOTTOM CONNECTIONS AND ISOLATOR PLUS ROWS	2.30"				
6	STONE BELOW (in)	MINIMUM ALLOWABLE GRADE (TOP OF RIGID CONCRETE PAVEMENT):	663.89	PREFABRICATED END CAP	B	12" TOP CORED END CAP, PART#: SC800EPE12TPC / TYP OF ALL 12" TOP CONNECTIONS	14.40"				
40	STONE VOID	MINIMUM ALLOWABLE GRADE (BASE OF FLEXIBLE PAVEMENT):	663.89	PREFABRICATED END CAP	C	15" TOP CORED END CAP, PART#: SC800EPE15TPC / TYP OF ALL 15" TOP CONNECTIONS	11.30"				
30262	INSTALLED SYSTEM VOLUME (CF) (PERIMETER STONE INCLUDED) (COVER STONE INCLUDED) (2" OF BASE STONE INCLUDED)	TOP OF STONE:	662.87	FLAMP	D	INSTALL FLAMP ON 24" ACCESS PIPE / PART#: SC74024RAMP (TYP 4 PLACES)					
		TOP OF SC-800 CHAMBER:	662.87	MANIFOLD	E	12" x 12" TOP MANIFOLD, ADS N-12	14.40"				
		12" x 12" TOP MANIFOLD INVERT:	660.09	MANIFOLD	F	15" x 15" TOP MANIFOLD, ADS N-12	11.30"				
		12" x 12" TOP MANIFOLD INVERT:	660.09	MANIFOLD	G	24" x 24" BOTTOM MANIFOLD, ADS N-12	2.30"				
		15" x 15" TOP MANIFOLD INVERT:	660.09	MANIFOLD	H	12" x 12" TOP MANIFOLD, ADS N-12	14.40"				
14342	SYSTEM AREA (SF)	24" x 24" BOTTOM MANIFOLD INVERT:	669.08	CONCRETE STRUCTURE	I	DESIGN BY ENGINEER PROVIDED BY OTHERS		2.3 CFS IN			
897.3	SYSTEM PERIMETER (ft)	24" ISOLATOR ROW PLUS INVERT:	669.08	CONCRETE STRUCTURE	J	DESIGN BY ENGINEER PROVIDED BY OTHERS		2.8 CFS IN			
		24" ISOLATOR ROW PLUS INVERT:	669.08	CONCRETE STRUCTURE	K	OCS DESIGN BY ENGINEER PROVIDED BY OTHERS		14.0 CFS OUT			
		24" BOTTOM CONNECTION INVERT:	659.89	CONCRETE STRUCTURE	L	DESIGN BY ENGINEER PROVIDED BY OTHERS		5.9 CFS IN			
		BOTTOM OF SC-800 CHAMBER:	659.89								
		6" UNDERDRAIN INVERT:	659.89								
		BOTTOM OF STONE:	659.22								



- ISOLATOR ROW PLUS (SEE DETAIL)
- PLACE MINIMUM 12.50' OF ADS PLUS 125 WOVEN GEOTEXTILE OVER BEDDING STONE AND UNDERNEATH CHAMBER FEET FOR SCOUR PROTECTION AT ALL CHAMBER INLET ROWS
- BED LIMITS

NOTES

- MANIFOLD SIZE TO BE DETERMINED BY SITE DESIGN ENGINEER. SEE TECH NOTE #6.32 FOR MANIFOLD SIZING GUIDANCE.
- DUE TO THE ADAPTATION OF THIS CHAMBER SYSTEM TO SPECIFIC SITE AND DESIGN CONSTRAINTS, IT MAY BE NECESSARY TO CUT AND COUPLE ADDITIONAL PRECAST MANIFOLD COMPONENTS IN THE FIELD.
- THE SITE DESIGN ENGINEER MUST REVIEW ELEVATIONS AND IF NECESSARY ADJUST GRADING TO ENSURE THE CHAMBER COVER REQUIREMENTS ARE MET.
- THIS CHAMBER SYSTEM WAS DESIGNED WITHOUT SITE-SPECIFIC INFORMATION ON SOIL CONDITIONS OR BEARING CAPACITY. THE SITE DESIGN ENGINEER IS RESPONSIBLE FOR DETERMINING THE SUITABILITY OF THE SOIL AND PROVIDING THE BEARING CAPACITY OF THE IN-SITU SOILS. THE BASE STONE DEPTH MAY BE INCREASED OR DECREASED ONCE THIS INFORMATION IS PROVIDED.

GREENWOOD HOTEL
GREENWOOD, SC, USA
DATE: DRAWN: BH
PROJECT #: CHECKED: N/A

DESCRIPTION
DATED FOR DCHCK

StormTech®
Chamber System
888-892-2694 | WWW.STORMTECH.COM

4640 TRUEMAN BLVD
HILLIARD, OH 43026
1-800-733-7473

SHEET
2065 5

NO.	DATE	BY	REVISION

Gray Engineering
132 PILGRIM ROAD - GREENVILLE, SC 29607
PH: 864.606.1111 FAX: 864.606.1747
WWW.GRAYENGINEERING.COM

G

CAROLINA
ENGINEERING
CONSULTANTS
No. 00090
CERTIFICATE OF QUALITY

CAROLINA
ENGINEERING
CONSULTANTS
No. 4925
3/6/2025

MISCELLANEOUS NOTES AND DETAILS

PROPOSED
HOME 2 SUITES
BY HILTON

GREENWOOD COUNTY
SOUTH CAROLINA

475 HOSPITALITY BOULEVARD

SCALE:
PROJECT MANAGER: ZDI
DRAWN BY: MSG
PROJECT DATE: 5/3/2023
JOB No.: 2023104
PLOT DATE:

SHEET
D-6

A

B

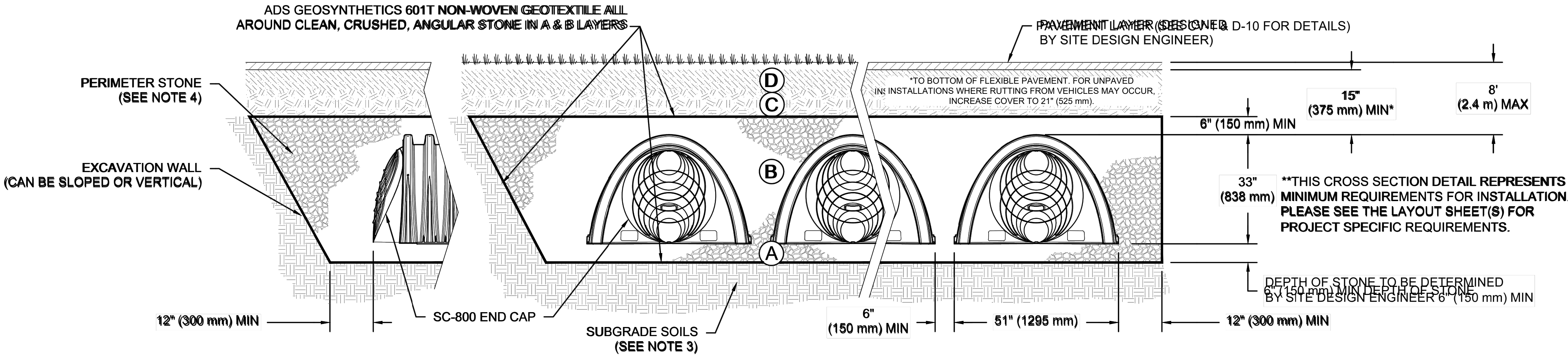
C

D

ACCEPTABLE FILL MATERIALS - STORMTECH SC800 CHAMBERS SYSTEMS

MATERIAL LOCATION		DESCRIPTION	AASHTO MATERIAL CLASSIFICATIONS	COMPACTION / DENSITY REQUIREMENT
D	FINAL FILL: FILL MATERIAL FOR LAYER 'D' STARTS FROM THE TOP OF THE 'C' LAYER TO THE BOTTOM OF FLEXIBLE PAVEMENT OR UNPAVED FINISHED GRADE ABOVE. NOTE THAT PAVEMENT SUBBASE MAY BE PART OF THE 'D' LAYER.	ANY SOIL/ROCK MATERIALS, NATIVE SOILS, OR PER ENGINEER'S PLANS. CHECK PLANS FOR PAVEMENT SUBGRADE REQUIREMENTS.	N/A	PREPARE PER SITE DESIGN ENGINEER'S PLANS. PAVED INSTALLATIONS MAY HAVE STRINGENT MATERIAL AND PREPARATION REQUIREMENTS.
C	INITIAL FILL: FILL MATERIAL FOR LAYER 'C' STARTS FROM THE TOP OF THE EMBEDMENT STONE ('B' LAYER) TO 15" (375 mm) ABOVE THE TOP OF THE CHAMBER. NOTE THAT PAVEMENT SUBBASE MAY BE A PART OF THE 'C' LAYER.	GRANULAR WELL-GRADED SOIL/AGGREGATE MIXTURES, <35% FINES OR PROCESSED AGGREGATE. MOST PAVEMENT SUBBASE MATERIALS CAN BE USED IN LIEU OF THIS LAYER.	AASHTO M145' A-1, A-2-4, A-3 OR AASHTO M43' 3, 357, 4, 467, 5, 56, 57, 6, 67, 68, 7, 78, 8, 89, 9, 10	BEGIN COMPACTIONS AFTER 12" (300 mm) OF MATERIAL OVER THE CHAMBERS IS REACHED. COMPACT ADDITIONAL LAYERS IN 6" (150 mm) MAX LIFTS TO A MIN. 95% PROCTOR DENSITY FOR WELL GRADED MATERIAL AND 95% RELATIVE DENSITY FOR PROCESSED AGGREGATE MATERIALS. ROLLER GROSS VEHICLE WEIGHT NOT TO EXCEED 12,000 lbs (53 kN). DYNAMIC FORCE NOT TO EXCEED 20,000 lbs (89 kN).
B	EMBEDMENT STONE: FILL SURROUNDING THE CHAMBERS FROM THE FOUNDATION STONE ('A' LAYER) TO THE 'C' LAYER ABOVE.	CLEAN, CRUSHED, ANGULAR STONE OR RECYCLED CONCRETE ⁵	AASHTO M43' 3, 357, 4, 467, 5, 56, 57	NO COMPACTION REQUIRED.
A	FOUNDATION STONE: FILL BELOW CHAMBERS FROM THE SUBGRADE UP TO THE FOOT (BOTTOM) OF THE CHAMBER.	CLEAN, CRUSHED, ANGULAR STONE OR RECYCLED CONCRETE ⁵	AASHTO M43' 3, 357, 4, 467, 5, 56, 57	PLATE COMPACT OR ROLL TO ACHIEVE A FLAT SURFACE. ^{2,3}

- PLEASE NOTE:
- THE LISTED AASHTO DESIGNATIONS ARE FOR GRADATIONS ONLY. THE STONE MUST ALSO BE CLEAN, CRUSHED, ANGULAR. FOR EXAMPLE, A SPECIFICATION FOR #4 STONE WOULD STATE "CLEAN CRUSHED ANGULAR NO. 4 AASHTO M43 STONE".
 - STORMTECH COMPACTION REQUIREMENTS ARE MET FOR 'A' LOCATION MATERIALS WHEN PLACED AND COMPACTED IN 6" (150 mm) (MAX) LIFTS USING TWO FULL COVERS AGES WITH A HAMMERTORY COMPACTOR.
 - WHERE INFILTRATION SURFACES MAY BE COMPROMISED BY COMPACTION, FOR STANDARD DESIGN LOAD CONDITIONS, A FLAT SURFACE MAY BE ACHIEVED BY RAMMING OR PROBAGGING WITHOUT COMPACTION EQUIPMENT FOR SPECIAL LOADS OR SENSITIVE SOILS OR COMPACTION REQUIREMENTS.
 - ONCE LAYER 'C' IS PLACED, ANY SOIL/MATERIAL CAN BE PLACED IN LAYER 'D' UP TO THE FINISHED GRADE. MOST PAVEMENT SUBBASE SOILS CAN BE USED TO REPLACE THE MATERIAL REQUIREMENTS OF LAYER 'C' OR 'D' AT THE SITE DESIGN ENGINEER'S DISCRETION.
 - WHERE RECYCLED CONCRETE AGGREGATE IS USED IN LAYERS 'A' OR 'B' THE MATERIAL SHOULD ALSO MEET THE ACCEPTABILITY CRITERIA OUTLINED IN TECHNICAL NOTE 20 "RECYCLED CONCRETE STRUCTURAL BACKFILL".



NOTES:

- CHAMBERS SHALL MEET THE REQUIREMENTS OF ASTM F2418, "STANDARD SPECIFICATION FOR POLYPROPYLENE (PP) CORRUGATED WALL STORMWATER COLLECTION CHAMBERS".
- SC-800 CHAMBERS SHALL BE DESIGNED IN ACCORDANCE WITH ASTM F2787 "STANDARD PRACTICE FOR STRUCTURAL DESIGN OF THERMOPLASTIC CORRUGATED WALL STORMWATER COLLECTION CHAMBERS".
- THE SITE DESIGN ENGINEER IS RESPONSIBLE FOR ASSESSING THE BEARING RESISTANCE (ALLOWABLE BEARING CAPACITY) OF THE SUBGRADE SOILS AND THE DEPTH OF FOUNDATION STONE WITH CONSIDERATION FOR THE RANGE OF EXPECTED SOIL MOISTURE CONDITIONS.
- PERIMETER STONE MUST BE EXTENDED HORIZONTALLY TO THE EXCAVATION WALL FOR BOTH VERTICAL AND SLOPED EXCAVATION WALLS.
- REQUIREMENTS FOR HANDLING AND INSTALLATION:
 - TO MAINTAIN THE WIDTH OF CHAMBERS DURING SHIPPING AND HANDLING, CHAMBERS SHALL HAVE INTEGRAL, INTERLOCKING STACKING JOINTS.
 - TO ENSURE A SECURE JOINT DURING INSTALLATION AND BACKFILL, THE HEIGHT OF THE CHAMBER JOINT SHALL NOT BE LESS THAN 2".
 - TO ENSURE THE INTEGRITY OF THE ARCH SHAPE DURING INSTALLATION, a) THE ARCH STIFFNESS CONSTANT AS DEFINED IN SECTION 622.8 OF ASTM F2418 SHALL BE GREATER THAN OR EQUAL TO 550 LBS/FT³. AND b) TO RESIST CHAMBER DEFORMATION DURING INSTALLATION AT ELEVATED TEMPERATURES (ABOVE 73° F // 23° C), CHAMBERS SHALL BE PRODUCED FROM REFLECTIVE GOLD OR YELLOW COLORS.

GREENWOOD HOTEL

GREENWOOD, SC, USA

DRAWN: BH

CHECKED: N/A

DATE:

PROJECT #:

DESCRIPTION

DATED FOR CHECK

Stormtech®
Chamber System

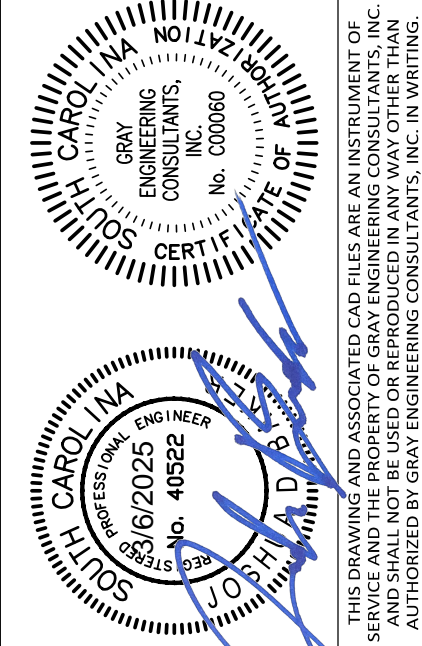
888-892-2694 | WWW.STORMTECH.COM

4640 TRUEMAN BLVD
HILLIARD, OH 43026
1-800-733-7473



SHEET
3005 5

NO.	DATE	BY	REVISION



MISCELLANEOUS NOTES AND DETAILS

PROPOSED
HOME 2 SUITES
BY HILTON

GREENWOOD COUNTY
SOUTH CAROLINA

475 HOSPITALITY BOULEVARD

SCALE:
PROJECT MANAGER: ZDI
DRAWN BY: MSG
PROJECT DATE: 5/3/2023
JOB No.: 2023104
PLOT DATE:

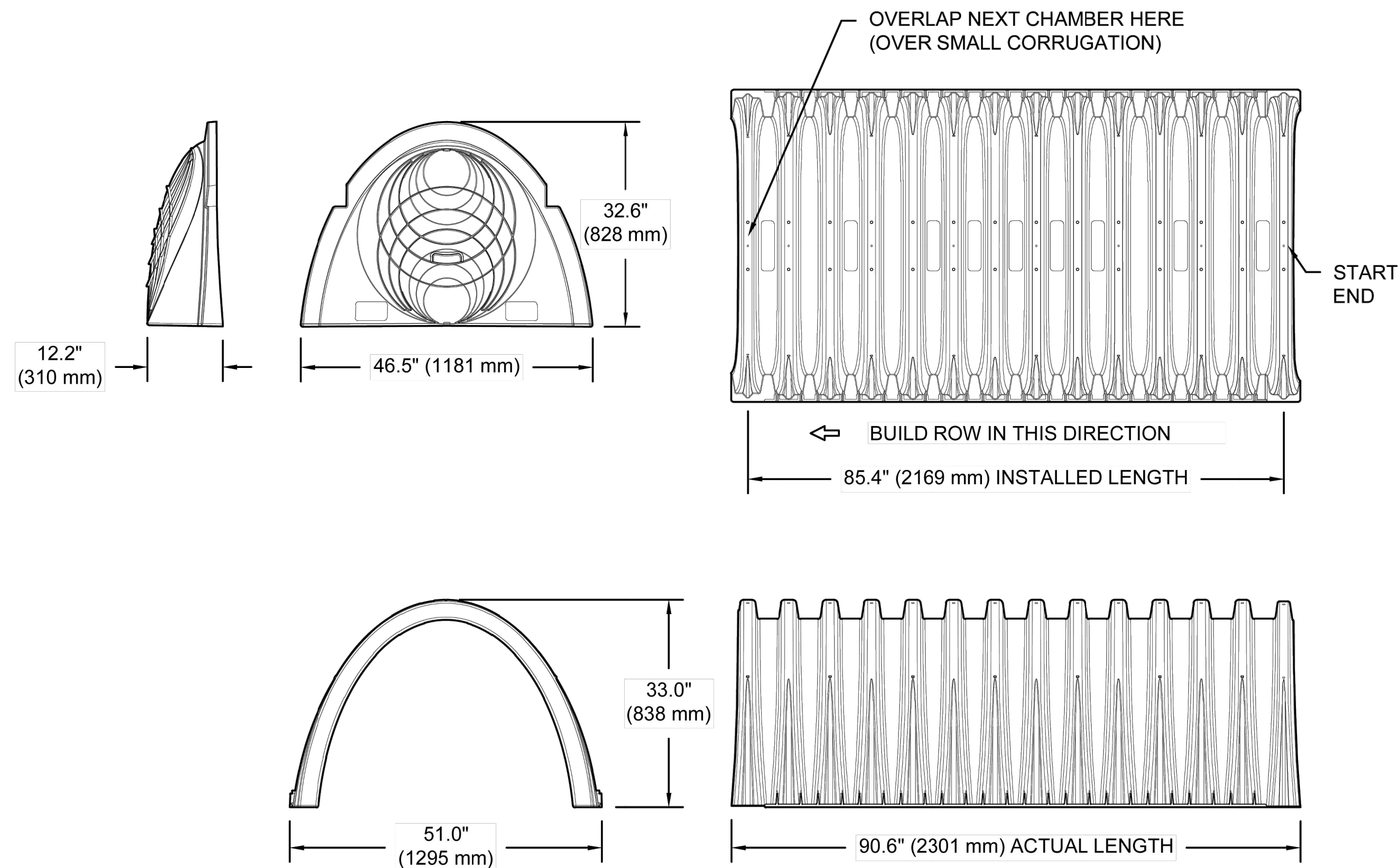
SHEET
D-7



SHEET
D-8

SC-800 TECHNICAL SPECIFICATION

NTS



NOMINAL CHAMBER SPECIFICATIONS

SIZE (W X H X INSTALLED LENGTH)

51.0" X 33.0" X 85.4"

(1295 mm X 838 mm X 2169 mm)

CHAMBER STORAGE

50.6 CUBIC FEET

(1.43 m³)

MINIMUM INSTALLED STORAGE*

81.0 CUBIC FEET

(2.29 m³)

WEIGHT

81.8 lbs.

(37.1 kg)

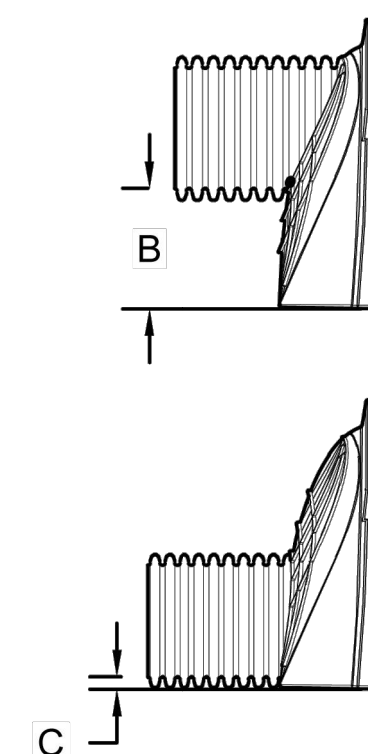
*ASSUMES 6" (152 mm) STONE ABOVE, BELOW, AND BETWEEN CHAMBERS

PRE-CORED HOLES AT BOTTOM OF END CAP FOR PART NUMBERS ENDING WITH "B"

PRE-CORED HOLES AT TOP OF END CAP FOR PART NUMBERS ENDING WITH "T"

PART #	STUB	B	C
SC800EPE06TPC	6" (150 mm)	21.4" (544 mm)	---
SC800EPE06BPC		---	0.9" (23 mm)
SC800EPE08TPC	8" (200 mm)	19.2" (488 mm)	---
SC800EPE08BPC		---	1.0" (25 mm)
SC800EPE10TPC	10" (250 mm)	17.0" (432 mm)	---
SC800EPE10BPC		---	1.2" (30 mm)
SC800EPE12TPC	12" (300 mm)	14.4" (366 mm)	---
SC800EPE12BPC		---	1.6" (41 mm)
SC800EPE15TPC	15" (375 mm)	11.3" (287 mm)	---
SC800EPE15BPC		---	1.7" (43 mm)
SC800EPE18TPC	18" (450 mm)	8.0" (203 mm)	---
SC800EPE18BPC		---	2.0" (51 mm)
SC800EPE24BPC	24" (600 mm)	---	2.3" (58 mm)
SC800EPE	NONE	SOLID END CAP	

NOTE: ALL DIMENSIONS ARE NOMINAL



GREENWOOD HOTEL

GREENWOOD, SC, USA

DRAWN: BH

DRAWN: BH
CHECKED: N/A

StormTech®
Chamber System

888-892-2694 | WWW.STORMTECH.COM

4640 TRUEMAN BLVD
HILLIARD, OH 43026
1-800-733-7473



SHEET
OF 5

888-892-2694 WWW.STORMTECH.COM		DATE	DRW	CHK	DESCRIPTION	PROJECT #:	CHECKED: N/A
----------------------------------	--	------	-----	-----	-------------	------------	--------------

SCALE:	
PROJECT MANAGER:	ZDJ
DRAWN BY:	MSG
PROJECT DATE:	5/3/2023
JOB No.:	2023104
PLOT DATE:	

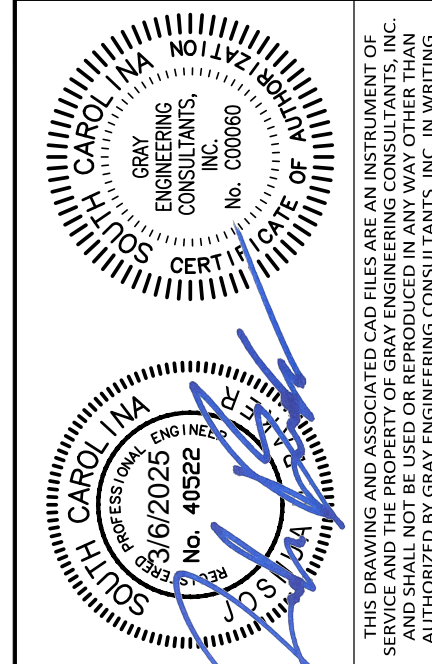
SHEET

D-9

MISCELLANEOUS NOTES AND DETAILS

PROPOSED
HOME 2 SUITES
BY HILTON

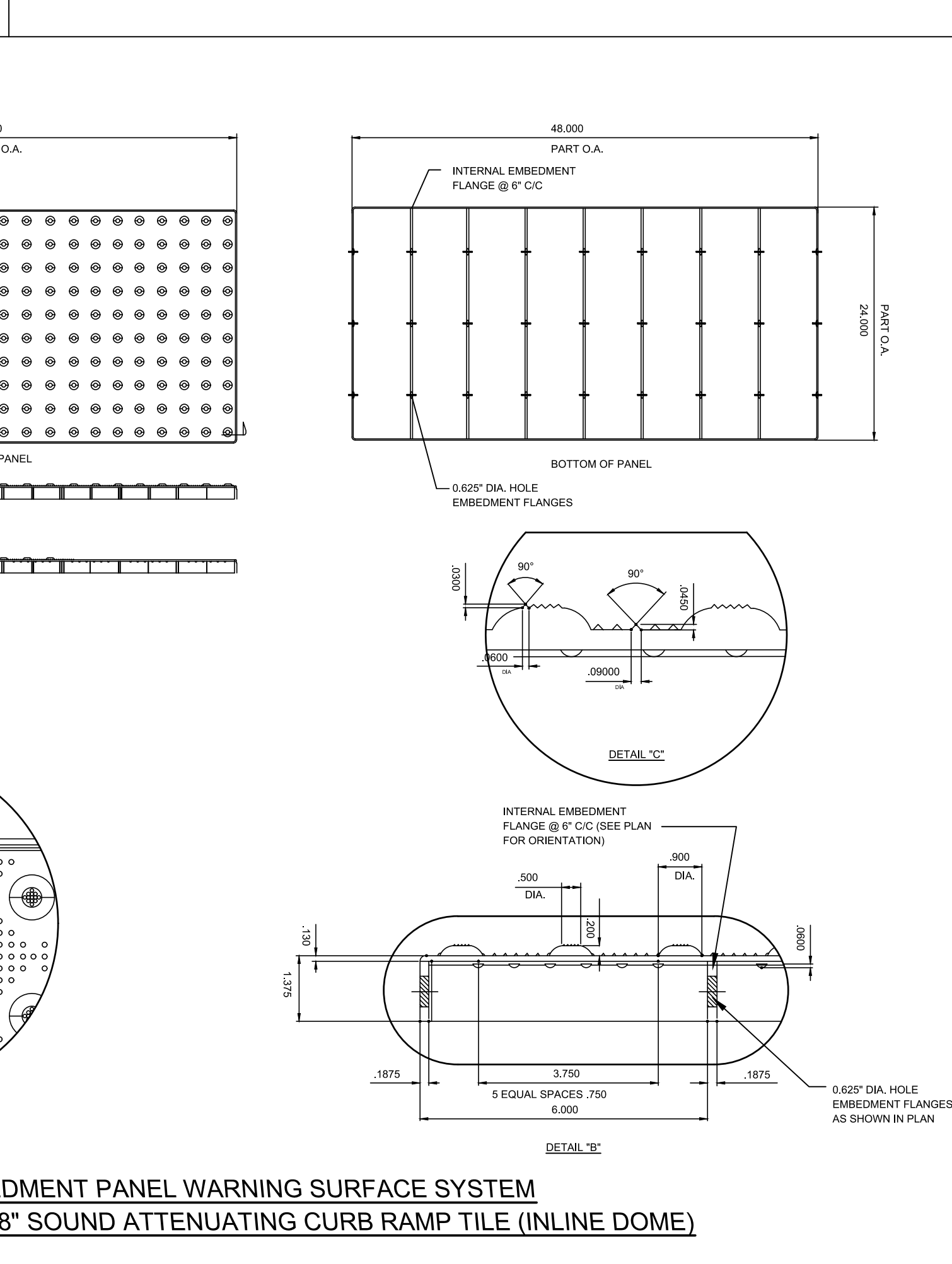
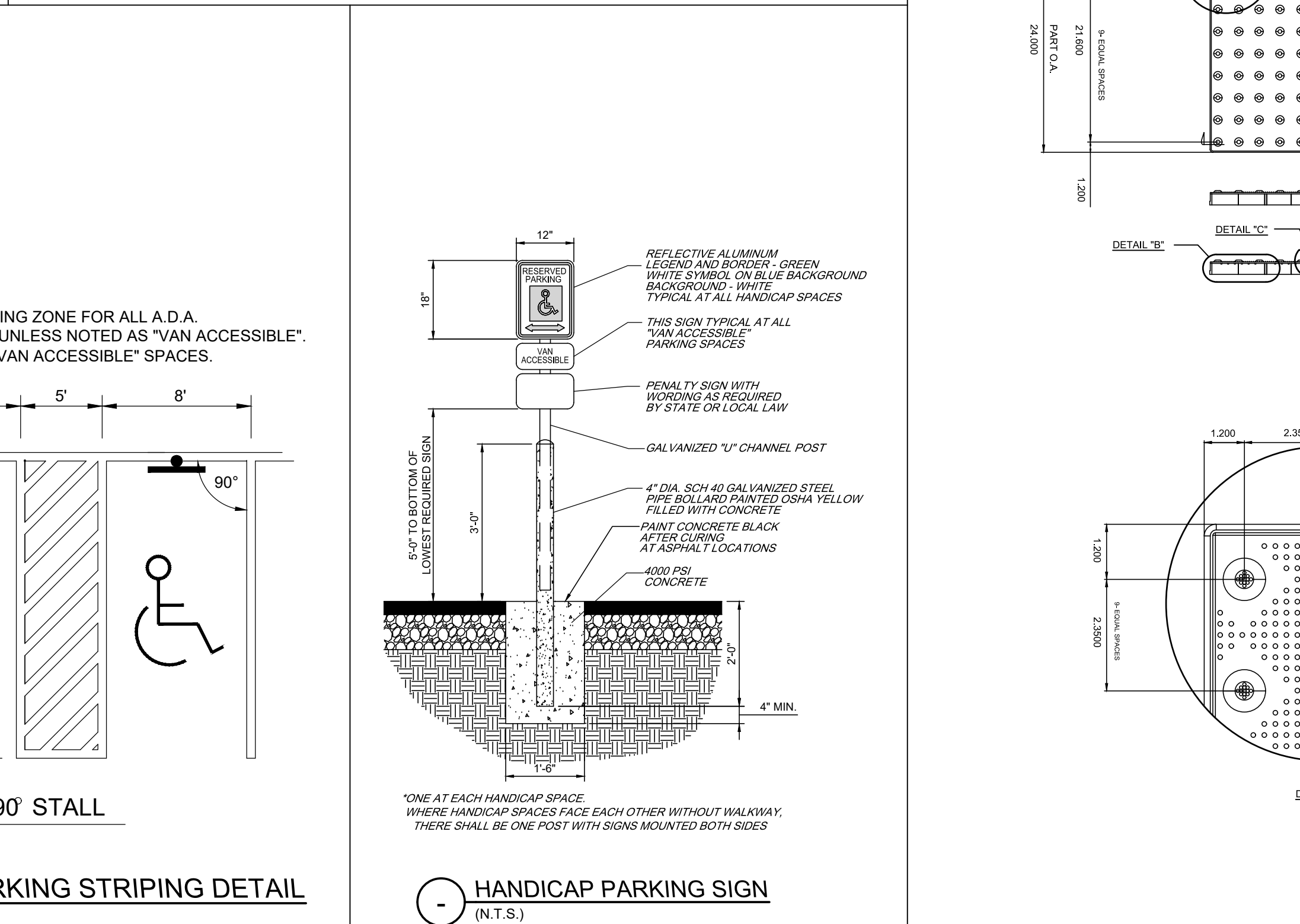
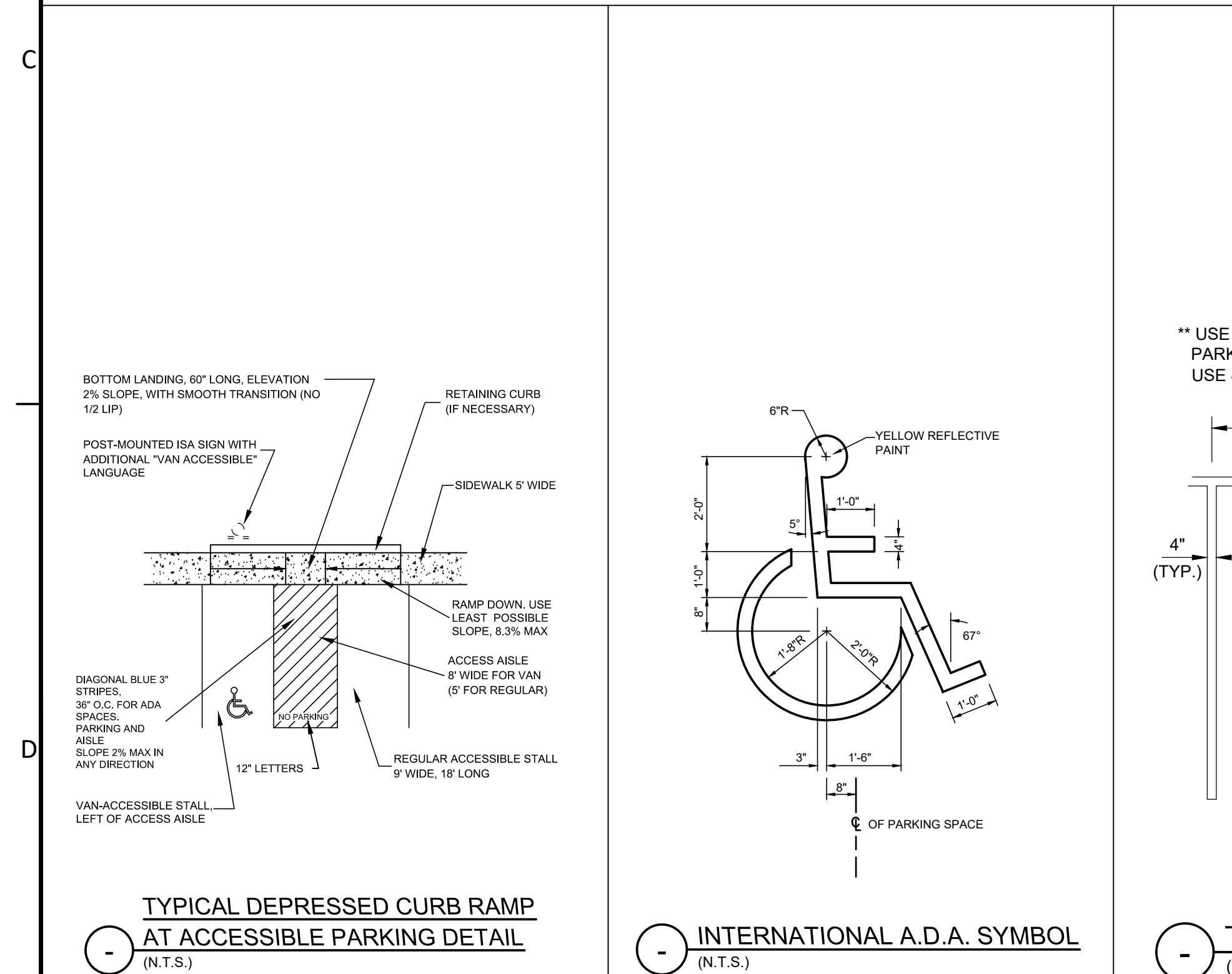
475 HOSPITALITY BOULEVARD

GREENWOOD COUNTY
SOUTH CAROLINA

 **Gray**
Engineering

132 PILGRIM ROAD, GREENVILLE, SC 29607
PH: 864.606.5271 FAX: 864.606.5717
WWW.GRAYENGINEERING.COM

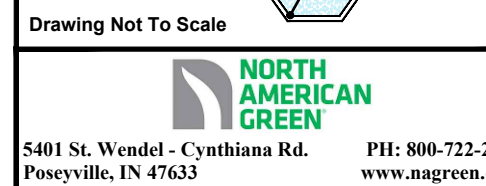
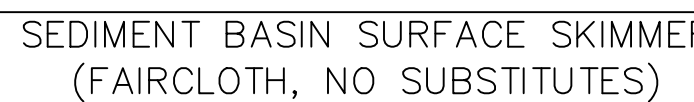
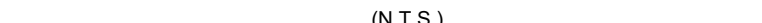
SC C.O.A.# C00060 - NC C.O.A.# C-1217 - GA C.O.A.# PEF001941 - TN C.O.A.# 0410819 -



SCALE:	AS NOTED
PROJECT MANAGER:	ZDJ
DRAWN BY:	MSG
PROJECT DATE:	5/3/2023
JOB No.:	2023104
PLOT DATE:	3/6/25

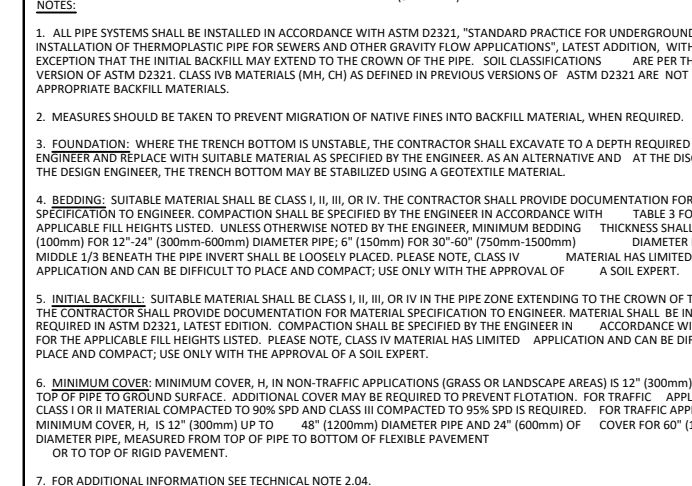
SHEET

D-10

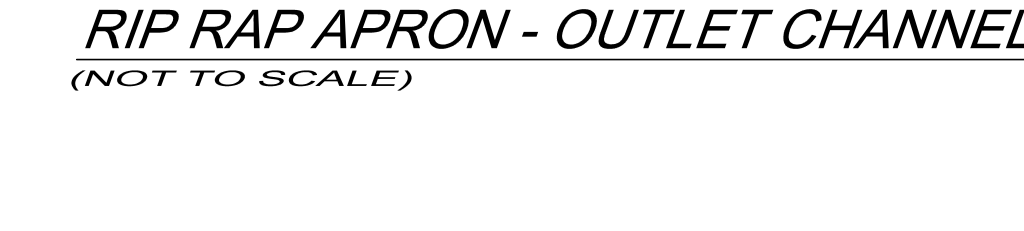
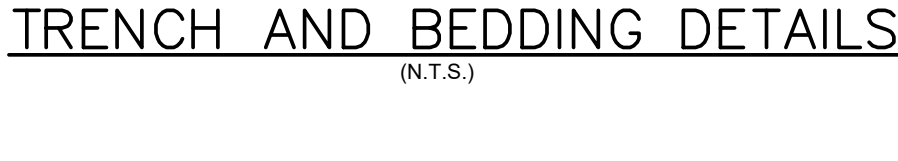
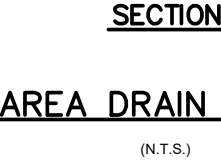


B1-B2	36.6	15	0.55	659.89	660.09
Z1-Z2	26.2	15	0.57	659.25	659.40

B1	'MHC'	664.07	664.07	659.89	4.18
B2	'D'	663.85	663.35	660.09	3.76
C1	'B'	664.40	664.40	659.89	4.51
EXIST Z1	B	662.14	662.14	659.25	2.89
Z2	'D'	664.50	664.00	659.40	5.10



FORM DATA:		H-25	READY CONSTRUCTION
PROJECT NAME:			EXT. AREA (SQ. FT.)
PROJECT ADDRESS:			48'
PROJECT CITY:			48'
PROJECT COUNTY:			48'
PROJECT STATE:			48'
PROJECT ZIP:			48'
PROJECT PHONE:			48'
PROJECT FAX:			48'
PROJECT E-MAIL:			48'
PROJECT WEBSITE:			48'
PROJECT DESCRIPTION:			48'
PROJECT NOTES:			48'
PROJECT COMMENTS:			48'
PROJECT SIGNATURE:			48'
PROJECT DATE:			48'
PROJECT TIME:			48'
PROJECT LOCATION:			48'
PROJECT STATUS:			48'
PROJECT TYPE:			48'
PROJECT CATEGORY:			48'
PROJECT SUB-CATEGORY:			48'
PROJECT SUB-TYPE:			48'
PROJECT SUB-CLASS:			48'
PROJECT SUB-CLASS CODE:			48'
PROJECT SUB-CLASS DESCRIPTION:			48'
PROJECT SUB-CLASS NOTES:			48'
PROJECT SUB-CLASS COMMENTS:			48'
PROJECT SUB-CLASS SIGNATURE:			48'
PROJECT SUB-CLASS DATE:			48'
PROJECT SUB-CLASS TIME:			48'
PROJECT SUB-CLASS LOCATION:			48'
PROJECT SUB-CLASS STATUS:			48'
PROJECT SUB-CLASS TYPE:			48'
PROJECT SUB-CLASS CATEGORY:			48'
PROJECT SUB-CLASS SUB-CATEGORY:			48'
PROJECT SUB-CLASS SUB-TYPE:			48'
PROJECT SUB-CLASS SUB-CLASS:			48'
PROJECT SUB-CLASS SUB-CLASS CODE:			48'
PROJECT SUB-CLASS SUB-CLASS DESCRIPTION:			48'
PROJECT SUB-CLASS SUB-CLASS NOTES:			48'
PROJECT SUB-CLASS SUB-CLASS COMMENTS:			48'
PROJECT SUB-CLASS SUB-CLASS SIGNATURE:			48'
PROJECT SUB-CLASS SUB-CLASS DATE:			48'
PROJECT SUB-CLASS SUB-CLASS TIME:			48'
PROJECT SUB-CLASS SUB-CLASS LOCATION:			48'
PROJECT SUB-CLASS SUB-CLASS STATUS:			48'
PROJECT SUB-CLASS SUB-CLASS TYPE:			48'
PROJECT SUB-CLASS SUB-CLASS CATEGORY:			48'
PROJECT SUB-CLASS SUB-CLASS SUB-CATEGORY:			48'
PROJECT SUB-CLASS SUB-CLASS SUB-TYPE:			48'
PROJECT SUB-CLASS SUB-CLASS SUB-CLASS:			48'
PROJECT SUB-CLASS SUB-CLASS SUB-CLASS CODE:			48'
PROJECT SUB-CLASS SUB-CLASS SUB-CLASS DESCRIPTION:			48'
PROJECT SUB-CLASS SUB-CLASS SUB-CLASS NOTES:			48'
PROJECT SUB-CLASS SUB-CLASS SUB-CLASS COMMENTS:			48'
PROJECT SUB-CLASS SUB-CLASS SUB-CLASS SIGNATURE:			48'
PROJECT SUB-CLASS SUB-CLASS SUB-CLASS DATE:			48'
PROJECT SUB-CLASS SUB-CLASS SUB-CLASS TIME:			48'
PROJECT SUB-CLASS SUB-CLASS SUB-CLASS LOCATION:			48'
PROJECT SUB-CLASS SUB-CLASS SUB-CLASS STATUS:			48'
PROJECT SUB-CLASS SUB-CLASS SUB-CLASS TYPE:			48'
PROJECT SUB-CLASS SUB-CLASS SUB-CLASS CATEGORY:			48'
PROJECT SUB-CLASS SUB-CLASS SUB-CLASS SUB-CATEGORY:			48'
PROJECT SUB-CLASS SUB-CLASS SUB-CLASS SUB-TYPE:			48'
PROJECT SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS:			48'
PROJECT SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS CODE:			48'
PROJECT SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS DESCRIPTION:			48'
PROJECT SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS NOTES:			48'
PROJECT SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS COMMENTS:			48'
PROJECT SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SIGNATURE:			48'
PROJECT SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS DATE:			48'
PROJECT SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS TIME:			48'
PROJECT SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS LOCATION:			48'
PROJECT SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS STATUS:			48'
PROJECT SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS TYPE:			48'
PROJECT SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS CATEGORY:			48'
PROJECT SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CATEGORY:			48'
PROJECT SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-TYPE:			48'
PROJECT SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS:			48'
PROJECT SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS CODE:			48'
PROJECT SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS DESCRIPTION:			48'
PROJECT SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS NOTES:			48'
PROJECT SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS COMMENTS:			48'
PROJECT SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SIGNATURE:			48'
PROJECT SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS DATE:			48'
PROJECT SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS TIME:			48'
PROJECT SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS LOCATION:			48'
PROJECT SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS STATUS:			48'
PROJECT SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS TYPE:			48'
PROJECT SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS CATEGORY:			48'
PROJECT SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CATEGORY:			48'
PROJECT SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-TYPE:			48'
PROJECT SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS:			48'
PROJECT SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS CODE:			48'
PROJECT SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS DESCRIPTION:			48'
PROJECT SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS NOTES:			48'
PROJECT SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS COMMENTS:			48'
PROJECT SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SIGNATURE:			48'
PROJECT SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS DATE:			48'
PROJECT SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS TIME:			48'
PROJECT SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS LOCATION:			48'
PROJECT SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS STATUS:			48'
PROJECT SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS TYPE:			48'
PROJECT SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS CATEGORY:			48'
PROJECT SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CATEGORY:			48'
PROJECT SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-TYPE:			48'
PROJECT SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS:			48'
PROJECT SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS CODE:			48'
PROJECT SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS DESCRIPTION:			48'
PROJECT SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS NOTES:			48'
PROJECT SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS COMMENTS:			48'
PROJECT SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SIGNATURE:			48'
PROJECT SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS DATE:			48'
PROJECT SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS TIME:			48'
PROJECT SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS LOCATION:			48'
PROJECT SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS STATUS:			48'
PROJECT SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS TYPE:			48'
PROJECT SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS CATEGORY:			48'
PROJECT SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CATEGORY:			48'
PROJECT SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-TYPE:			48'
PROJECT SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS:			48'
PROJECT SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS CODE:			48'
PROJECT SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS DESCRIPTION:			48'
PROJECT SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS NOTES:			48'
PROJECT SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS COMMENTS:			48'
PROJECT SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SIGNATURE:			48'
PROJECT SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS DATE:			48'
PROJECT SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS TIME:			48'
PROJECT SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS LOCATION:			48'
PROJECT SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS STATUS:			48'
PROJECT SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS TYPE:			48'
PROJECT SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS CATEGORY:			48'
PROJECT SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CATEGORY:			48'
PROJECT SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-TYPE:			48'
PROJECT SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS:			48'
PROJECT SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS CODE:			48'
PROJECT SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS DESCRIPTION:			48'
PROJECT SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS NOTES:			48'
PROJECT SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS COMMENTS:			48'
PROJECT SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SIGNATURE:			48'
PROJECT SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS DATE:			48'
PROJECT SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS TIME:			48'
PROJECT SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS LOCATION:			48'
PROJECT SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS STATUS:			48'
PROJECT SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS TYPE:			48'
PROJECT SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS CATEGORY:			48'
PROJECT SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CATEGORY:			48'
PROJECT SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-TYPE:			48'
PROJECT SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS:			48'
PROJECT SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS CODE:			48'
PROJECT SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS DESCRIPTION:			48'
PROJECT SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS NOTES:			48'
PROJECT SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS COMMENTS:			48'
PROJECT SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SIGNATURE:			48'
PROJECT SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS DATE:			48'
PROJECT SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS TIME:			48'
PROJECT SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS LOCATION:			48'
PROJECT SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS STATUS:			48'
PROJECT SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS TYPE:			48'
PROJECT SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS CATEGORY:			48'
PROJECT SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CATEGORY:			48'
PROJECT SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-TYPE:			48'
PROJECT SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS:			48'
PROJECT SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS CODE:			48'
PROJECT SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS DESCRIPTION:			48'
PROJECT SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS NOTES:			48'
PROJECT SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS COMMENTS:			48'
PROJECT SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SIGNATURE:			48'
PROJECT SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS DATE:			48'
PROJECT SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS TIME:			48'
PROJECT SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS LOCATION:			48'
PROJECT SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS STATUS:			48'
PROJECT SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS TYPE:			48'
PROJECT SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS CATEGORY:			48'
PROJECT SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CATEGORY:			48'
PROJECT SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-TYPE:			48'
PROJECT SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS:			48'
PROJECT SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS CODE:			48'
PROJECT SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS DESCRIPTION:			48'
PROJECT SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS NOTES:			48'
PROJECT SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS COMMENTS:			48'
PROJECT SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SIGNATURE:			48'
PROJECT SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS DATE:			48'
PROJECT SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS TIME:			48'
PROJECT SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS LOCATION:			48'
PROJECT SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS STATUS:			48'
PROJECT SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS TYPE:			48'
PROJECT SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS CATEGORY:			48'
PROJECT SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CATEGORY:			48'
PROJECT SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-TYPE:			48'
PROJECT SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS:			48'
PROJECT SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS CODE:			48'
PROJECT SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS DESCRIPTION:			48'
PROJECT SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS NOTES:			48'
PROJECT SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS COMMENTS:			48'
PROJECT SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SIGNATURE:			48'
PROJECT SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS DATE:			48'
PROJECT SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS TIME:			48'
PROJECT SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS LOCATION:			48'
PROJECT SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS STATUS:			48'
PROJECT SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS TYPE:			48'
PROJECT SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS CATEGORY:			48'
PROJECT SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CATEGORY:			48'
PROJECT SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-TYPE:			48'
PROJECT SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS:			48'
PROJECT SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS CODE:			48'
PROJECT SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS DESCRIPTION:			48'
PROJECT SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS NOTES:			48'
PROJECT SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS COMMENTS:			48'
PROJECT SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SIGNATURE:			48'
PROJECT SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS DATE:			48'
PROJECT SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS TIME:			48'
PROJECT SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS LOCATION:			48'
PROJECT SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS STATUS:			48'
PROJECT SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS TYPE:			48'
PROJECT SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS CATEGORY:			48'
PROJECT SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CATEGORY:			48'
PROJECT SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-TYPE:			48'
PROJECT SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS:			48'
PROJECT SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS CODE:			48'
PROJECT SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS DESCRIPTION:			48'
PROJECT SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS NOTES:			48'
PROJECT SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS COMMENTS:			48'
PROJECT SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SIGNATURE:			48'
PROJECT SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS DATE:			48'
PROJECT SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS TIME:			48'
PROJECT SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS LOCATION:			48'
PROJECT SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS STATUS:			48'
PROJECT SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS TYPE:			48'
PROJECT SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS CATEGORY:			48'
PROJECT SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CATEGORY:			48'
PROJECT SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-TYPE:			48'
PROJECT SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS:			48'
PROJECT SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS CODE:			48'
PROJECT SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS DESCRIPTION:			48'
PROJECT SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS NOTES:			48'
PROJECT SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS COMMENTS:			48'
PROJECT SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SIGNATURE:			48'
PROJECT SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS DATE:			48'
PROJECT SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS TIME:			48'
PROJECT SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS LOCATION:			48'
PROJECT SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS STATUS:			48'
PROJECT SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS TYPE:			48'
PROJECT SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS CATEGORY:			48'
PROJECT SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-CLASS SUB-			



MISCELLANEOUS SITE UTILITY NOTES

1. THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING ALL LOCAL UTILITIES (GAS, POWER, TELEPHONE, TELECABLE, ETC.) AND INCLUDING IN HIS PRICE ALL WORK NECESSARY TO COORDINATE THE RELOCATION OF ANY EXISTING UTILITIES THAT INTERFERE WITH HIS CONSTRUCTION. UTILITIES SHOWN, OTHER THAN WATER AND SEWER, HAVE NOT BEEN DESIGNED AND ARE SHOWN FOR INFORMATION ONLY.

2. CONTRACTOR SHALL CONTACT ALL LOCAL UTILITIES BEFORE BEGINNING WORK AT SITE TO COORDINATE INSTALLATION, INSPECTIONS, AND PAY ALL ASSOCIATED FEES. INCLUDE ALL TAP, INSPECTION, AND METER FEES FOR WATER AND SEWER IN BID PRICE.

3. SITE LIGHTING DESIGN BY OTHERS. THE SITE LIGHTING SHOWN ON SITE PLANS IS FOR INFORMATION ONLY. REFERENCE ELECTRICAL PLANS FOR CIRCUITRY.

4. SEE SITE ELECTRICAL PLANS FROM ELECTRICAL ENGINEER FOR SITE ELECTRICAL ROUTING, SITE ELECTRICAL RELOCATION, SITE LIGHTING, TELEPHONE ROUTING, ETC.

5. ALL MATERIALS MUST MEET STATE AND LOCAL SPECIFICATIONS FOR THE WATER AND SANITARY SEWER SYSTEM.

6. THE CONTRACTOR SHALL HAVE A PRE-CONSTRUCTION CONFERENCE WITH ALL UTILITIES (WATER, SEWER, ELECTRIC, TELEPHONE, TELECABLE, ETC.) AND THE FIRE CHIEF PRIOR TO BEGINNING CONSTRUCTION.

7. AS-BUILT PLANS AND PROFILES SHALL BE CREATED FOR THE WATER AND SANITARY SEWER BY A PROFESSIONAL LAND SURVEYOR (P.L.S.). THE AS-BUILT DRAWINGS AND ASSOCIATED EASEMENT PLATS SHALL BE REVIEWED BY THE RESPECTIVE UTILITY AUTHORITY AND RECORDED WITH PICKENS COUNTY PRIOR TO THE STORE OPENING.

8. RISER AND FIRE SERVICE SIZES FOR INFORMATION ONLY. CONTRACTOR SHALL VERIFY SIZES AND INCLUDE COSTS IN BID PRICE.

9. GRAY ENGINEERING ACCEPTS NO RESPONSIBILITY FOR THE ACCURACY OF THE FLOW TEST DATA. THE SPRINKLER CONTRACTOR SHALL PERFORM THEIR OWN FLOW TEST PRIOR TO DESIGNING SPRINKLER SYSTEM.

10. ALL SANITARY SEWER SERVICE PIPING SHALL BE POLYVINYL CHLORIDE (PVC) SDR 35. 4" SEWER SERVICES SHALL HAVE A MINIMUM SLOPE OF 2.08% AND 6" SEWER SERVICES SHALL HAVE A MINIMUM SLOPE OF 1.04%.

11. ALL 2", 2.5" AND 3" WATER SERVICES SHALL BE PVC, C900, CLASS 150 MATERIAL. ALL WATER MAINS 4", 6", 8" AND 12" SHALL BE CLASS 350 DUCTILE IRON PIPE (D.I.P.). ALL WATER LINES TO FIRE HYDRANTS SHALL BE 6" CLASS 350 DUCTILE IRON PIPE (D.I.P.). CONTRACTOR SHALL REFER TO LOWES SPECS AND GREENWOOD CPW SPECS. CONTACT ENGINEER IF ANY CONFLICTS.

GENERAL UTILITY NOTE

THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING ALL LOCAL UTILITIES AND COORDINATING ALL UTILITY SERVICES AND RELOCATIONS. UTILITIES SHOWN, OTHER THAN WATER AND SEWER, ARE SHOWN FOR INFORMATION ONLY AND HAVE NOT BEEN DESIGNED. THE CONTRACTOR IS RESPONSIBLE FOR ALL COORDINATION AND CONSTRUCTION NECESSARY TO PROVIDE A FULLY OPERATIONAL UTILITY SYSTEM PER THE STORE'S LOAD REQUIREMENTS. THE STATE AND ANY LOCAL REQUIREMENTS. THE CONTRACTOR IS TO INCLUDE ALL FEES AND REIMBURSABLE COSTS IN HIS ORIGINAL PRICE TO THE OWNER. CONTRACTOR SHALL CONTACT THE LOCAL UTILITY COMPANIES BEFORE BEGINNING WORK AT SITE TO COORDINATE INSTALLATION, INSPECTIONS AND PAY ALL ASSOCIATED FEES.

SITE UTILITY NOTES

1. LOCATION OF SITE UTILITIES SHALL BE VERIFIED BY GENERAL CONTRACTOR AND THE UTILITY COMPANY PROVIDING SERVICE.

2. GENERAL CONTRACTOR SHALL PROVIDE 2" x 2" x 6" THICK CONCRETE APRON AT ALL CLEANOUTS, VALVES AND METERS OUTSIDE OF BUILDING.

3. CONTRACTOR WILL BE RESPONSIBLE FOR ALL TAP AND TIE ON FEES REQUIRED, AS WELL AS COST OF UNDERGROUND SERVICE CONNECTIONS TO THE BUILDING.

4. ELECTRICAL SERVICE TO PAD MOUNTED TRANSFORMER SHALL BE RUN UNDERGROUND, FROM ROAD RIGHT-OF-WAY TO TRANSFORMER LOCATION. ASSOCIATED COST BY CONTRACTOR.

5. GENERAL CONTRACTOR SHALL FURNISH (2) 4" TELEPHONE CONDUITS/AS SHOWN ON PLAN, VERIFY LOCATION OF TIE AT TELEPHONE COMPANY'S SERVICE LINE. PROVIDE NYLON PULL CORDS INSIDE CONDUIT.

6. THRUST BLOCKS SHALL BE PROVIDED AT ALL BENDS, TEES, AND FIRE HYDRANTS.

7. DIMENSIONS SHOWN ARE TO CENTERLINE OF PIPE OR FITTING.

8. ALL WATER AND SANITARY LEADS TO BUILDING SHALL END 5' OUTSIDE THE BUILDING LIMITS AS SHOWN ON PLAN AND SHALL BE PROVIDED WITH A TEMPORARY PLUG AT END.

9. ALL FIRE HYDRANTS SHALL BE PROVIDED WITH AN APPROVED GATE VALVE A MAXIMUM OF 5'-0" FROM HYDRANT.

10. ALL TRENCHING, PIPE LAYING, AND BACKFILLING SHALL BE IN ACCORDANCE WITH FEDERAL, OSHA REGULATIONS.

11. CONTRACTOR SHALL HAVE APPROVAL OF ALL GOVERNING AGENCIES HAVING JURISDICTION OVER THIS SYSTEM PRIOR TO INSTALLATION.

12. ALL WORK SHALL BE DONE IN STRICT ACCORDANCE WITH DIVISION 2 OF LOWE'S STANDARD SITE SPECIFICATIONS.

13. REFER TO FIRE PROTECTION SHEETS FOR LOCATION AND DETAIL OF FIRE LINE LEAD IN.

14. FIRE LINE SHALL BE STUBBED UP 1' ABOVE FFE IN SPRINKLER ROOM.

15. REFER TO PLUMBING SHEETS FOR LOCATION OF SEWER, DOMESTIC, AND IRRIGATION CONNECTIONS.

PLAN-BENDS

PLAN-TEES

SECTION X-X
BENDS AND TEES

PLAN-ELEVATION
PLUGS

SIZE	90° BENDS		45° BENDS		22.5° BENDS		TEES		PLUGS	
PIPE	A	B	A	B	A	B	A	B	A	B
UP TO 8"	16"	10"	9"	10"	6"	8"	10"	12"	10"	21"
8"	22"	13"	12"	13"	8"	10"	13"	16"	12"	29"
10"	26"	17"	14"	17"	10"	13"	16"	20"	14"	36"
12"	29"	21"	16"	21"	11"	16"	18"	24"	16"	41"
14"	35"	24"	19"	24"	12"	20"	22"	27"	18"	48"
16"	38"	27"	21"	27"	13"	24"	24"	30"	20"	54"
18"	42"	30"	24"	30"	14"	28"	28"	33"	22"	60"
20"	45"	33"	27"	32"	15"	32"	28"	36"	24"	64"
24"	48"	36"	30"	36"	16"	36"	30"	42"	26"	66"

NOTES:

1) SIZED ON 2000 PSF SOIL AND 100 PSI STATIC PRESSURE PLUS AWWA WATER HAMMER. ALL BEARING SURFACE TO BE CARRIED TO UNDISTURBED GROUND.

2) CONCRETE THRUST BLOCKING TO ONLY BE USED IN SELECT CIRCUMSTANCES AND AS DIRECTED BY GREENWOOD CPW. ALL OTHER THRUST RESTRAINTS SHALL BE MEGALUG OR APPROVED EQUAL.

GREENWOOD, S.C.

DRAWING: DET-W-6

N.T.S.

SANITARY SEWER SPECIFICATIONS

1. All sanitary sewer work shall be constructed to lines and grades shown and as detailed on the drawings. The contractor shall provide GREENWOOD CPW approved standard pre-cast manholes at all bends and changes in grade in sewer lines and connectors to existing sewer lines. Pipe bedding and backfill shall be carefully controlled. All sanitary sewer work shall comply with local codes and ordinances, and OSHA regulations. The design engineer, GREENWOOD CPW and South Carolina Department of Health and Environmental Control, (SC DHEC), must inspect and approve and permit all sewer work before being put in service and IN ACCORDANCE ONLY.

2. All work shall be constructed in strict accordance with the plans, specifications and instructions given by the owner's representative, SC DHEC, and GREENWOOD CPW. GREENWOOD CPW has delegated review authority and the City's written approval must be obtained before plans are submitted to SC DHEC.

3. A pre-construction conference with the contractor, design engineer, GREENWOOD CPW Utilities Engineering and SC DHEC will be held prior to sewer line construction.

4. All work shall be inspected by GREENWOOD CPW and SC DHEC before the approval to operate is issued. AS-BUILT drawings shall be supplied to GREENWOOD CPW in both paper and electronic format before GREENWOOD CPW's final utility approval is issued.

5. All work shall carry minimum of one year warranty of as prescribed by GREENWOOD CPW before the City assumes line maintenance.

6. An encroachment permit for street right-of-way shall be filed with the Department of Public Works before construction starts.

7. The contractor shall be responsible for repairs to existing roads used by his operation. The contractor shall remove dirt, mud and debris from highway/roadway.

8. All sanitary sewer pipe shall be ductile iron pipe (DIP) or polyvinyl chloride (P.V.C.) pipe type SDR 35 unless specified by GREENWOOD CPW. All sewer service taps shall be DIP or Schedule 40 depending upon application.

9. Each joint shall be clearly and legibly marked with the manufacturer's name or identifying symbol.

10. GREENWOOD CPW shall be furnished with a letter of certification from the pipe supplier that all P.V.C. has been stored inside from the time of manufacture.

11. A minimum of 4 feet of cover shall be maintained over all P.V.C. pipe.

12. Only manhole taps will be acceptable, unless approved by GREENWOOD CPW.

13. Ductile iron pipe, class 50, shall be used in all above ground or shallow line installations and road crossings. Ductile iron pipe may be required on other projects at GREENWOOD CPW's discretion, (at depths over 12' & other specified times.)

14. All excavation shall be compacted in 1' layers and shall be clean. Backfill in road R/W shall be 95% Sil Proctor. Backfill out of road R/W shall be 90% Sil Proctor.

15. All sewer lines shall be air tested and must conform to ASTM C828. Certain or all lines may require water testing in conjunction with air testing. A mandrel may be required to be used in all sewer lines at GREENWOOD CPW's discretion.

16. Reinforced pre-cast manholes with formed inverts shall be used whenever possible. Manholes shall have pre-cast inverts and rubber manhole pipe boots for the appropriate pipe sizes. Manholes shall be vacuum tested.

17. Requirements for manholes without pre-cast inverts and rubber manhole pipe boots. Straight (grade and alignment) through M.H. P.V.C. pipe shall be laid instead of brick invert. Pipe shall be cut so joint does not hit M.H. The top of fourth section of pipe shall be evenly cut out after bench is poured.

18. If an invert must be poured in a manhole the bench may contain concrete bricks in concrete mix.

19. Reinforced riser rings shall be used for adjustment of ring to surface. In no case may this riser section be over 12 inches.

20. Traffic duty rated M.H. frames and covers shall be used and weigh approximately 200 pounds and 12- pounds, respectively. All covers shall be vented unless otherwise specified. All surfaces of frame and cover shall be bituminous coated.

21. All steps shall be plasticized/covers shall be used and weigh approximately 200 pounds and 12- pounds, respectively. All covers shall be vented unless otherwise specified. All surfaces of frame and cover shall be bituminous coated.

22. The contractor is responsible for top elevation of all M.H. covers to meet the finish grade of the asphalt.

23. Any manhole located off the road or highway shall be raised approximately one foot above finish grade.

24. A drop of 18 inches maximum from the point of sewage entrance to the point of sewage overflow is permitted provided the invert is sloped from the entrance point to the outflow point.

25. Service taps shall be ductile iron pipe or Schedule 40 P.V.C. pipe. All taps shall be clearly marked and stubbed up on a 45 degree angle at the appropriate lot. Metal distance/pegs shall be used to mark the location of each tap.

26. GREENWOOD CPW shall be legally granted a 25' easement for off public rights-of-way sewer lines. Greater widths may be required due to depths of bury of the lines.

GENERAL UTILITY NOTE

THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING ALL LOCAL UTILITIES AND COORDINATING ALL UTILITY SERVICES AND RELOCATIONS. UTILITIES SHOWN, OTHER THAN WATER AND SEWER, ARE SHOWN FOR INFORMATION ONLY AND HAVE NOT BEEN DESIGNED. THE CONTRACTOR IS RESPONSIBLE FOR ALL COORDINATION AND CONSTRUCTION NECESSARY TO PROVIDE A FULLY OPERATIONAL UTILITY SYSTEM PER THE STORE'S LOAD REQUIREMENTS. THE STATE AND ANY LOCAL REQUIREMENTS. THE CONTRACTOR IS TO INCLUDE ALL FEES AND REIMBURSABLE COSTS IN HIS ORIGINAL PRICE TO THE OWNER. CONTRACTOR SHALL CONTACT THE LOCAL UTILITY COMPANIES BEFORE BEGINNING WORK AT SITE TO COORDINATE INSTALLATION, INSPECTIONS AND PAY ALL ASSOCIATED FEES.

CLASS A (CONCRETE GRADE)

CLASS B (SHAPED SUBGRADE w/ GRANULAR FOUNDATION)

CLASS C (IMPROVED GRANULAR FOUNDATION)

PIPE SIZE (ID)	B ₆ (OUT DIA.)	W MAX (WORK SPACE)	B ₆ MAX (DITCH WIDTH)	(DEPTH OF BEDDING) (STANDARD BEDDING)
3"	4"	6"	2"	4"
4"	6"	8"	2"	4"
6"	7"	8"	2"	4"
8"	10"	8"	2"	4"
10"	12"	9"	2"	4"
12"	14"	9"	2"	4"
14"	18"	10"	3"	4"
16"	22"	10"	3"	4"
20"	26"	10"	3"	4"

NOTES:

1) DITCH WIDTH NOT TO EXCEED B₆ MAX. AT 1'-0" OVER TOP OF PIPE

2) PIPE SIZE 6" TO 30" DESIGN BASED ON (B₆ MAX. DITCH WIDTH) NOT USING TRENCH BOX

3) PIPE SIZE 36" TO 54" DESIGN BASED ON (B₆ MAX. DITCH WIDTH) USING TRENCH BOX

4) BACKFILL TO BE COMPACTED IN 6" LIFTS

5) FOR CLASS "B" AND "C" BEDDING, SUBGRADES SHALL BE EXCAVATED (OR OVER EXCAVATED, IF NECESSARY) TO ALLOW FOR A UNIFORM FOUNDATION, FREE OF PROTRUDING ROCKS.

NOTES:

CONTRACTOR SHALL USE "MEGALUG" RESTRAINT SYSTEM FOR M.J. DUCTILE IRON PIPE UNDERGROUND FIRE LINE. IN ADDITION, ALL FIRE HYDRANTS SHALL BE INSTALLED WITH BOTH TIE-RODS AND THRUST BLOCKS AS PER DETAILS ON DRAWING D-6.

10 GAUGE SOLID COPPER TRACER WIRE, TAPED TO EXISTING WIRE.

VALVE BOX TOP & LID (SEE TYPICAL VALVE INSTALLATION DETAIL).

PVC C-900 PIPE (OR APPROVED SUBSTITUTE).

TAPPING VALVE.

TAPPING SLEEVE.

EXIST. MAIN DIA.

STANDARD THRUST BLOCKING

DRAWING: DET-W-6

N.T.S.

DOUBLE DETECTOR CHECKBACK FLOW PREVENTER (SCDHEC APPROVED)

SCDHEC APPROVED DOUBLE CHECK VALVE ASSEMBLY

SCDHEC APPROVED DOUBLE CHECK VALVE ASSEMBLY

STORZ CONNECTION FOR FIRE DEPT. USE*

(1) 6" x 4" x 4" TEE

(2) RESILIENT SEAT FLANGE GATE VALVES w/ WHEELS CHAINED TOGETHER IN OPEN POSITION

(1) 6" x 3" FLANGED REDUCER

(1) 3" RESILIENT SEAT GATE VALVE

12" OF WASHED STONE REQUIRED UNDER METER PIT

12" x 12" OPENING IN BOTTOM OF PIT (ONE EACH CORNER)

10' x 8' x 8' PRECAST CONCRETE VAULT w/ 4" SQUARE ALUMINUM HATCH (w/ STEPS)

12" FIRE HYDRANT ASSEMBLY (REFER TO CPW STANDARD HYDRANT DETAIL)

NOTES:

1) TYPICAL INSTALLATION SHOWN FOR REFERENCE. ACTUAL METER PIT WILL BE DESIGNED TO MEET THE NEEDS OF THE SPECIFIC PROJECT.

2) ITEMS 1-4 ARE THE PROPERTY OF THE CUSTOMER AND AS SUCH, MUST BE PROPERLY MAINTAINED BY THE CUSTOMER. ALL OTHER APPURTENANCES TO BE MAINTAINED BY CPW.

3) ALL PIPE IN THE PIT SHALL BE 6" OR GREATER.

4) ANY PIPE ENTERING OR EXITING THE PIT SHALL UTILIZE UNKNEALS.

5) GREENWOOD CPW WILL NOT BE RESPONSIBLE FOR ANY DAMAGE TO CUSTOMERS PROPERTY. CUSTOMER HAS THE RIGHT TO CONTACT OUR ITEMS 1-4 ONLY. PREFERENCE MUST BE RELAYED TO CPW UPON REQUEST OF SERVICE.

GREENWOOD, S.C.

DRAWING: DET-W-5

N.T.S.

CLASS A (CONCRETE GRADE)

CLASS B (SHAPED SUBGRADE w/ GRANULAR FOUNDATION)

CLASS C (IMPROVED GRANULAR FOUNDATION)

PIPE SIZE (ID)	B ₆ (OUT DIA.)	W MAX (WORK SPACE)	B ₆ MAX (DITCH WIDTH)	(DEPTH OF BEDDING) (STANDARD BEDDING)
3"	4"	6"	2"	4"
4"	6"	8"	2"	4"
6"	7"	8"	2"	4"
8"	10"	8"	2"	4"
10"	12"	9"	2"	4"
12"	14"	9"	2"	4"
14"	18"	10"	3"	4"
16"	22"	10"	3"	4"
20"	26"	10"	3"	4"

NOTES:

1) DITCH WIDTH NOT TO EXCEED B₆ MAX. AT 1'-0" OVER TOP OF PIPE

2) PIPE SIZE 6" TO 30" DESIGN BASED ON (B₆ MAX. DITCH WIDTH) NOT USING TRENCH BOX

3) PIPE SIZE 36" TO 54" DESIGN BASED ON (B₆ MAX. DITCH WIDTH) USING TRENCH BOX

4) BACKFILL TO BE COMPACTED IN 6" LIFTS

5) FOR CLASS "B" AND "C" BEDDING, SUBGRADES SHALL BE EXCAVATED (OR OVER EXCAVATED, IF NECESSARY) TO ALLOW FOR A UNIFORM FOUNDATION, FREE OF PROTRUDING ROCKS.

GREENWOOD, S.C.

DRAWING: DET-W-8

N.T.S.

10 GAUGE SOLID COPPER TRACER WIRE, TAPED TO EXISTING WIRE.

VALVE BOX TOP & LID - VESTAL (V107, CLASS 35B), CAPITOL FOUNDRY OF VAL (V8-P107), OR BINGHAM & TAYLOR (CLEANOUT COVER 107, CLASS 35 B) OR APPROVED EQUAL, DOMESTIC ONLY.

6" C-900 PVC PIPE, CUT TO LENGTH

GATE VALVE

11/2" POLYETHYLENE TAPE WRAPPED AROUND TWICE

30" MIN. COVER

12"

GRADE

ASPHALT

MAGNETIC TAPE

VALVE BOX TOP & LID - VESTAL (V107, CLASS 35B), CAPITOL FOUNDRY OF VAL (V8-P107), OR BINGHAM & TAYLOR (CLEANOUT COVER 107, CLASS 35 B) OR APPROVED EQUAL, DOMESTIC ONLY.

6" C-900 PVC PIPE, CUT TO LENGTH

GATE VALVE

11/2" POLYETHYLENE TAPE WRAPPED AROUND TWICE

30" MIN. COVER

12"

GRADE

ASPHALT

MAGNETIC TAPE

VALVE BOX TOP & LID - VESTAL (V107, CLASS 35B), CAPITOL FOUNDRY OF VAL (V8-P107), OR BINGHAM & TAYLOR (CLEANOUT COVER 107, CLASS 35 B) OR APPROVED EQUAL, DOMESTIC ONLY.

6" C-900 PVC PIPE, CUT TO LENGTH

GATE VALVE

11/2" POLYETHYLENE TAPE WRAPPED AROUND TWICE

30" MIN. COVER

12"

GRADE

ASPHALT

MAGNETIC TAPE

VALVE BOX TOP & LID - VESTAL (V107, CLASS 35B), CAPITOL FOUNDRY OF VAL (V8-P107), OR BINGHAM & TAYLOR (CLEANOUT COVER 107, CLASS 35 B) OR APPROVED EQUAL, DOMESTIC ONLY.

6" C-900 PVC PIPE, CUT TO LENGTH

GATE VALVE

11/2" POLYETHYLENE TAPE WRAPPED AROUND TWICE

30" MIN. COVER

12"

GRADE

ASPHALT

MAGNETIC TAPE

VALVE BOX TOP & LID - VESTAL (V107, CLASS 35B), CAPITOL FOUNDRY OF VAL (V8-P107), OR BINGHAM & TAYLOR (CLEANOUT COVER 107, CLASS 35 B) OR APPROVED EQUAL, DOMESTIC ONLY.

6" C-900 PVC PIPE, CUT TO LENGTH

GATE VALVE

11/2" POLYETHYLENE TAPE WRAPPED AROUND TWICE

30" MIN. COVER

12"

GRADE

ASPHALT

MAGNETIC TAPE

VALVE BOX TOP & LID - VESTAL (V107, CLASS 35B), CAPITOL FOUNDRY OF VAL (V8-P107), OR BINGHAM & TAYLOR (CLEANOUT COVER 107, CLASS 35 B) OR APPROVED EQUAL, DOMESTIC ONLY.

6" C-900 PVC PIPE, CUT TO LENGTH

GATE VALVE

11/2" POLYETHYLENE TAPE WRAPPED AROUND TWICE

30" MIN. COVER

12"

GRADE

ASPHALT

MAGNETIC TAPE

VALVE BOX TOP & LID - VESTAL (V107, CLASS 35B), CAPITOL FOUNDRY OF VAL (V8-P107), OR BINGHAM & TAYLOR (CLEANOUT COVER 107, CLASS 35 B) OR APPROVED EQUAL, DOMESTIC ONLY.

6" C-900 PVC PIPE, CUT TO LENGTH

GATE VALVE

11/2" POLYETHYLENE TAPE WRAPPED AROUND TWICE

30" MIN. COVER

12"

GRADE

ASPHALT

MAGNETIC TAPE

VALVE BOX TOP & LID - VESTAL (V107, CLASS 35B), CAPITOL FOUNDRY OF VAL (V8-P107), OR BINGHAM & TAYLOR (CLEANOUT COVER 107, CLASS 35 B) OR APPROVED EQUAL, DOMESTIC ONLY.

6" C-900 PVC PIPE, CUT TO LENGTH

GATE VALVE

11/2" POLYETHYLENE TAPE WRAPPED AROUND TWICE

30" MIN. COVER

12"

GRADE

ASPHALT

MAGNETIC TAPE

VALVE BOX TOP & LID - VESTAL (V107, CLASS 35B), CAPITOL FOUNDRY OF VAL (V8-P107), OR BINGHAM & TAYLOR (CLEANOUT COVER 107, CLASS 35 B) OR APPROVED EQUAL, DOMESTIC ONLY.

6" C-900 PVC PIPE, CUT TO LENGTH

GATE VALVE

11/2" POLYETHYLENE TAPE WRAPPED AROUND TWICE

30" MIN. COVER

12"

GRADE

ASPHALT

MAGNETIC TAPE

VALVE BOX TOP & LID - VESTAL (V107, CLASS 35B), CAPITOL FOUNDRY OF VAL (V8-P107), OR BINGHAM & TAYLOR (CLEANOUT COVER 107, CLASS 35 B) OR APPROVED EQUAL, DOMESTIC ONLY.

6" C-900 PVC PIPE, CUT TO LENGTH

GATE VALVE

11/2" POLYETHYLENE TAPE WRAPPED AROUND TWICE

30" MIN. COVER

12"

GRADE

ASPHALT

MAGNETIC TAPE

VALVE BOX TOP & LID - VESTAL (V107, CLASS 35B), CAPITOL FOUNDRY OF VAL (V8-P107), OR BINGHAM & TAYLOR (CLEANOUT COVER 107, CLASS 35 B) OR APPROVED EQUAL, DOMESTIC ONLY.

6" C-900 PVC PIPE, CUT TO LENGTH

GATE VALVE

11/2" POLYETHYLENE TAPE WRAPPED AROUND TWICE

30" MIN. COVER

12"

GRADE

ASPHALT

MAGNETIC TAPE

VALVE BOX TOP & LID - VESTAL (V107, CLASS 35B), CAPITOL FOUNDRY OF VAL (V8-P107), OR BINGHAM & TAYLOR (CLEANOUT COVER 107, CLASS 35 B) OR APPROVED EQUAL, DOMESTIC ONLY.

6" C-900 PVC PIPE, CUT TO LENGTH

GATE VALVE

11/2" POLYETHYLENE TAPE WRAPPED AROUND TWICE

30" MIN. COVER

12"

GRADE

ASPHALT

MAGNETIC TAPE

VALVE BOX TOP & LID - VESTAL (V107, CLASS 35B), CAPITOL FOUNDRY OF VAL (V8-P107), OR BINGHAM & TAYLOR (CLEANOUT COVER 107, CLASS 35 B) OR APPROVED EQUAL, DOMESTIC ONLY.

6" C-900 PVC PIPE, CUT TO LENGTH

GATE VALVE

11/2" POLYETHYLENE TAPE WRAPPED AROUND TWICE

30" MIN. COVER

12"

GRADE

ASPHALT

MAGNETIC TAPE

VALVE BOX TOP & LID - VESTAL (V107, CLASS 35B), CAPITOL FOUNDRY OF VAL (V8-P107), OR BINGHAM & TAYLOR (CLEANOUT COVER 107, CLASS 35 B) OR APPROVED EQUAL, DOMESTIC ONLY.

6" C-900 PVC PIPE, CUT TO LENGTH

GATE VALVE

11/2" POLYETHYLENE TAPE WRAPPED AROUND TWICE

30" MIN. COVER

12"

GRADE

ASPHALT

MAGNETIC TAPE

VALVE BOX TOP & LID - VESTAL (V107, CLASS 35B), CAPITOL FOUNDRY OF VAL (V8-P107), OR BINGHAM & TAYLOR (CLEANOUT COVER 107, CLASS 35 B) OR APPROVED EQUAL, DOMESTIC ONLY.

6" C-900 PVC PIPE, CUT TO LENGTH

GATE VALVE

11/2" POLYETHYLENE TAPE WRAPPED AROUND TWICE

30" MIN. COVER

12"

GRADE

ASPHALT

MAGNETIC TAPE

VALVE BOX TOP & LID - VESTAL (V107, CLASS 35B), CAPITOL FOUNDRY OF VAL (V8-P107), OR BINGHAM & TAYLOR (CLEANOUT COVER 107, CLASS 35 B) OR APPROVED EQUAL, DOMESTIC ONLY.

6" C-900 PVC PIPE, CUT TO LENGTH

GATE VALVE

11/2" POLYETHYLENE TAPE WRAPPED AROUND TWICE

30" MIN. COVER

12"

GRADE

ASPHALT

MAGNETIC TAPE

VALVE BOX TOP & LID - VESTAL (V107, CLASS 35B), CAPITOL FOUNDRY OF VAL (V8-P107), OR BINGHAM & TAYLOR (CLEANOUT COVER 107, CLASS 35 B) OR APPROVED EQUAL, DOMESTIC ONLY.

6" C-900 PVC PIPE, CUT TO LENGTH

GATE VALVE

11/2" POLYETHYLENE TAPE WRAPPED AROUND TWICE

30" MIN. COVER

12"

GRADE

ASPHALT

MAGNETIC TAPE

VALVE BOX TOP & LID - VESTAL (V107, CLASS 35B), CAPITOL FOUNDRY OF VAL (V8-P107), OR BINGHAM & TAYLOR (CLEANOUT COVER 107, CLASS 35 B) OR APPROVED EQUAL, DOMESTIC ONLY.

6" C-900 PVC PIPE, CUT TO LENGTH

GATE VALVE

11/2" POLYETHYLENE TAPE WRAPPED AROUND TWICE

30" MIN. COVER

12"

GRADE

ASPHALT

MAGNETIC TAPE

VALVE BOX TOP & LID - VESTAL (V107, CLASS 35B), CAPITOL FOUNDRY OF VAL (V8-P107), OR BINGHAM & TAYLOR (CLEANOUT COVER 107, CLASS 35 B) OR APPROVED EQUAL, DOMESTIC ONLY.

6" C-900 PVC PIPE, CUT TO LENGTH

GATE VALVE

11/2" POLYETHYLENE TAPE WRAPPED AROUND TWICE

30" MIN. COVER

12"

GRADE

ASPHALT

MAGNETIC TAPE

VALVE BOX TOP & LID - VESTAL (V107, CLASS 35B), CAPITOL FOUNDRY OF VAL (V8-P107), OR BINGHAM & TAYLOR (CLEANOUT COVER 107, CLASS 35 B) OR APPROVED EQUAL, DOMESTIC ONLY.

6" C-900 PVC PIPE, CUT TO LENGTH

GATE VALVE

11/2" POLYETHYLENE TAPE WRAPPED AROUND TWICE

30" MIN. COVER

12"

GRADE

ASPHALT

MAGNETIC TAPE

VALVE BOX TOP & LID - VESTAL (V107, CLASS 35B), CAPITOL FOUNDRY OF VAL (V8-P107), OR BINGHAM & TAYLOR (CLEANOUT COVER 107, CLASS 35 B) OR APPROVED EQUAL, DOMESTIC ONLY.

6" C-900 PVC PIPE, CUT TO LENGTH

GATE VALVE

11/2" POLYETHYLENE TAPE WRAPPED AROUND TWICE

30" MIN. COVER

12"

GRADE

ASPHALT

MAGNETIC TAPE

VALVE BOX TOP & LID - VESTAL (V107, CLASS 35B), CAPITOL FOUNDRY OF VAL (V8-P107), OR BINGHAM & TAYLOR (CLEANOUT COVER 107, CLASS 35 B) OR APPROVED EQUAL, DOMESTIC ONLY.

6" C-900 PVC PIPE, CUT TO LENGTH

GATE VALVE

11/2" POLYETHYLENE TAPE WRAPPED AROUND TWICE

30" MIN. COVER

12"

GRADE

ASPHALT

MAGNETIC TAPE

VALVE BOX TOP & LID - VESTAL (V107, CLASS 35B), CAPITOL FOUNDRY OF VAL (V8-P107), OR BINGHAM & TAYLOR (CLEANOUT COVER 107, CLASS 35 B) OR APPROVED EQUAL, DOMESTIC ONLY.

6" C-900 PVC PIPE, CUT TO LENGTH

GATE VALVE

11/2" POLYETHYLENE TAPE WRAPPED AROUND TWICE

30" MIN. COVER

12"

GRADE

ASPHALT

MAGNETIC TAPE

VALVE BOX TOP & LID - VESTAL (V107, CLASS 35B), CAPITOL FOUNDRY OF VAL (V8-P107), OR BINGHAM & TAYLOR (CLEANOUT COVER 107, CLASS 35 B) OR APPROVED EQUAL, DOMESTIC ONLY.

6" C-900 PVC PIPE, CUT TO LENGTH

GATE VALVE

11/2" POLYETHYLENE TAPE WRAPPED AROUND TWICE

30" MIN. COVER

12"

GRADE

ASPHALT

MAGNETIC TAPE

VALVE BOX TOP & LID - VESTAL (V107, CLASS 35B), CAPITOL FOUNDRY OF VAL (V8-P107), OR BINGHAM & TAYLOR (CLEANOUT COVER 107, CLASS 35 B) OR APPROVED EQUAL, DOMESTIC ONLY.

6" C-900 PVC PIPE, CUT TO LENGTH

GATE VALVE

11/2" POLYETHYLENE TAPE WRAPPED AROUND TWICE

30" MIN. COVER

12"

GRADE

ASPHALT

MAGNETIC TAPE

VALVE BOX TOP & LID - VESTAL (V107, CLASS 35B), CAPITOL FOUNDRY OF VAL (V8-P107), OR BINGHAM & TAYLOR (CLEANOUT COVER 107, CLASS 35 B) OR APPROVED EQUAL, DOMESTIC ONLY.

6" C-900 PVC PIPE, CUT TO LENGTH

GATE VALVE

11/2" POLYETHYLENE TAPE WRAPPED AROUND TWICE

30" MIN. COVER

12"

GRADE

ASPHALT

MAGNETIC TAPE

VALVE BOX TOP & LID - VESTAL (V107, CLASS 35B), CAPITOL FOUNDRY OF VAL (V8-P107), OR BINGHAM & TAYLOR (CLEANOUT COVER 107, CLASS 35 B) OR APPROVED EQUAL, DOMESTIC ONLY.

6" C-900 PVC PIPE, CUT TO LENGTH

GATE VALVE

11/2" POLYETHYLENE TAPE WRAPPED AROUND TWICE

30" MIN. COVER

12"

GRADE

ASPHALT

MAGNETIC TAPE

VALVE BOX TOP & LID - VESTAL (V107, CLASS 35B), CAPITOL FOUNDRY OF VAL (V8-P107), OR BINGHAM & TAYLOR (CLEANOUT COVER 107, CLASS 35 B) OR APPROVED EQUAL, DOMESTIC ONLY.

6" C-900 PVC PIPE, CUT TO LENGTH

GATE VALVE

11/2" POLYETHYLENE TAPE WRAPPED AROUND TWICE

30" MIN. COVER

12"

GRADE

ASPHALT

MAGNETIC TAPE

VALVE BOX TOP & LID - VESTAL (V107, CLASS 35B), CAPITOL FOUNDRY OF VAL (V8-P107), OR BINGHAM & TAYLOR (CLEANOUT COVER 107, CLASS 35 B) OR APPROVED EQUAL, DOMESTIC ONLY.

6" C-900 PVC PIPE, CUT TO LENGTH

GATE VALVE

11/2" POLYETHYLENE TAPE WRAPPED AROUND TWICE

30" MIN. COVER

12"

GRADE

ASPHALT

MAGNETIC TAPE

VALVE BOX TOP & LID - VESTAL (V107, CLASS 35B), CAPITOL FOUNDRY OF VAL (V8-P107), OR BINGHAM & TAYLOR (CLEANOUT COVER 107, CLASS 35 B) OR APPROVED EQUAL, DOMESTIC ONLY.

6" C-900 PVC PIPE, CUT TO LENGTH

GATE VALVE

11/2" POLYETHYLENE TAPE WRAPPED AROUND TWICE

30" MIN. COVER

12"

GRADE

ASPHALT

MAGNETIC TAPE

VALVE BOX TOP & LID - VESTAL (V107, CLASS 35B), CAPITOL FOUNDRY OF VAL (V8-P107), OR BINGHAM & TAYLOR (CLEANOUT COVER 107, CLASS 35 B) OR APPROVED EQUAL, DOMESTIC ONLY.

6" C-900 PVC PIPE, CUT TO LENGTH

GATE VALVE

11/2" POLYETHYLENE TAPE WRAPPED AROUND TWICE

30" MIN. COVER

12"

GRADE

ASPHALT

MAGNETIC TAPE

VALVE BOX TOP & LID - VESTAL (V107, CLASS 35B), CAPITOL FOUNDRY OF VAL (V8-P107), OR BINGHAM & TAYLOR (CLEANOUT COVER 107, CLASS 35 B) OR APPROVED EQUAL, DOMESTIC ONLY.

6" C-900 PVC PIPE, CUT TO LENGTH

GATE VALVE

11/2" POLYETHYLENE TAPE WRAPPED AROUND TWICE

30" MIN. COVER

12"

GRADE

ASPHALT

MAGNETIC TAPE

VALVE BOX TOP & LID - VESTAL (V107, CLASS 35B), CAPITOL FOUNDRY OF VAL (V8-P107), OR BINGHAM & TAYLOR (CLEANOUT COVER 107, CLASS 35 B) OR APPROVED EQUAL, DOMESTIC ONLY.

6" C-900 PVC PIPE, CUT TO LENGTH

GATE VALVE

11/2" POLYETHYLENE TAPE WRAPPED AROUND TWICE

30" MIN. COVER

12"

GRADE

ASPHALT

MAGNETIC TAPE

VALVE BOX TOP & LID - VESTAL (V107, CLASS 35B), CAPITOL FOUNDRY OF VAL (V8-P107), OR BINGHAM & TAYLOR (CLEANOUT COVER 107, CLASS 35 B) OR APPROVED EQUAL, DOMESTIC ONLY.

6" C-900 PVC PIPE, CUT TO LENGTH

GATE VALVE

11/2" POLYETHYLENE TAPE WRAPPED AROUND TWICE

30" MIN. COVER

12"

GRADE

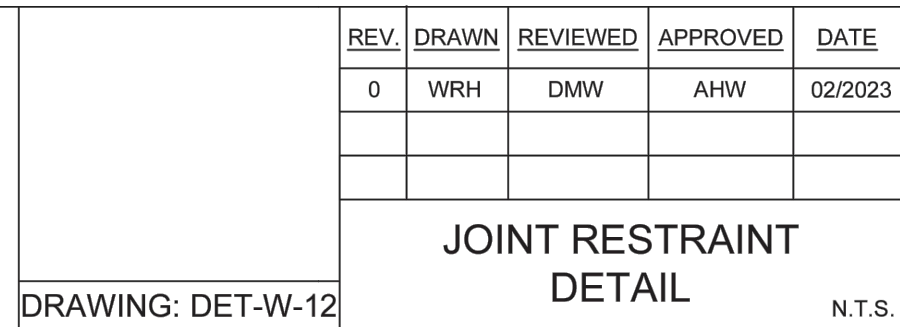
ASPHALT

MAGNETIC TAPE

VALVE BOX TOP & LID - VESTAL (V107, CLASS 35B), CAPITOL FOUNDRY OF

A |

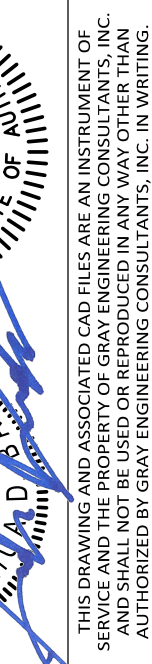
B



AIR RELEASE VALVE
N.T.S.



NO SCALE

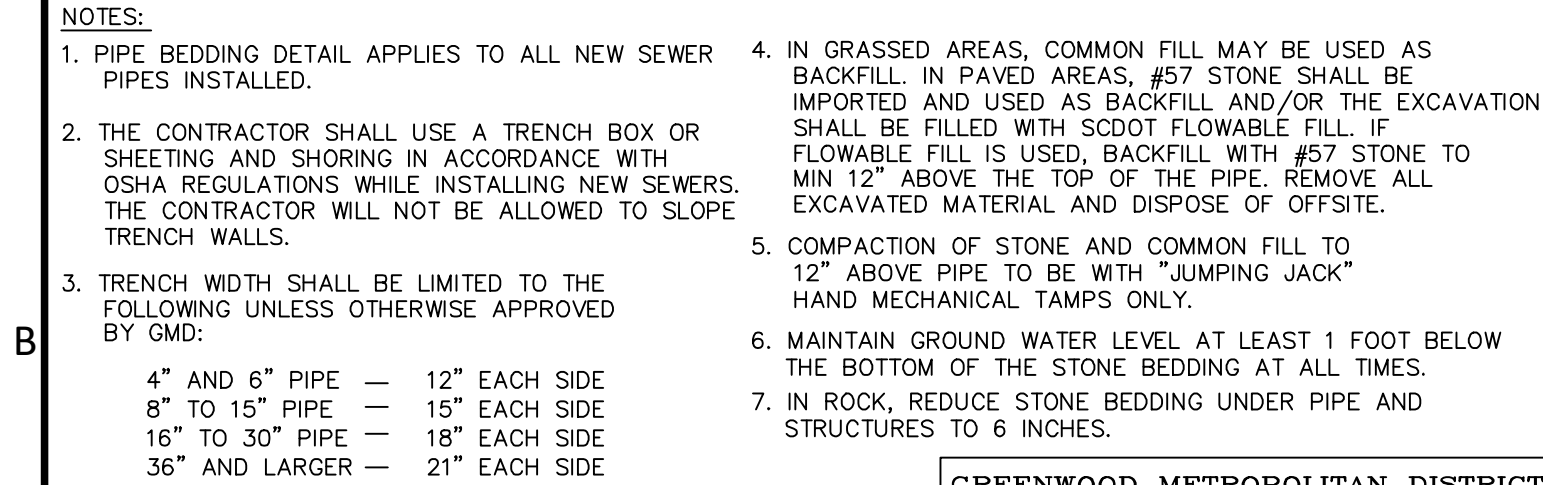
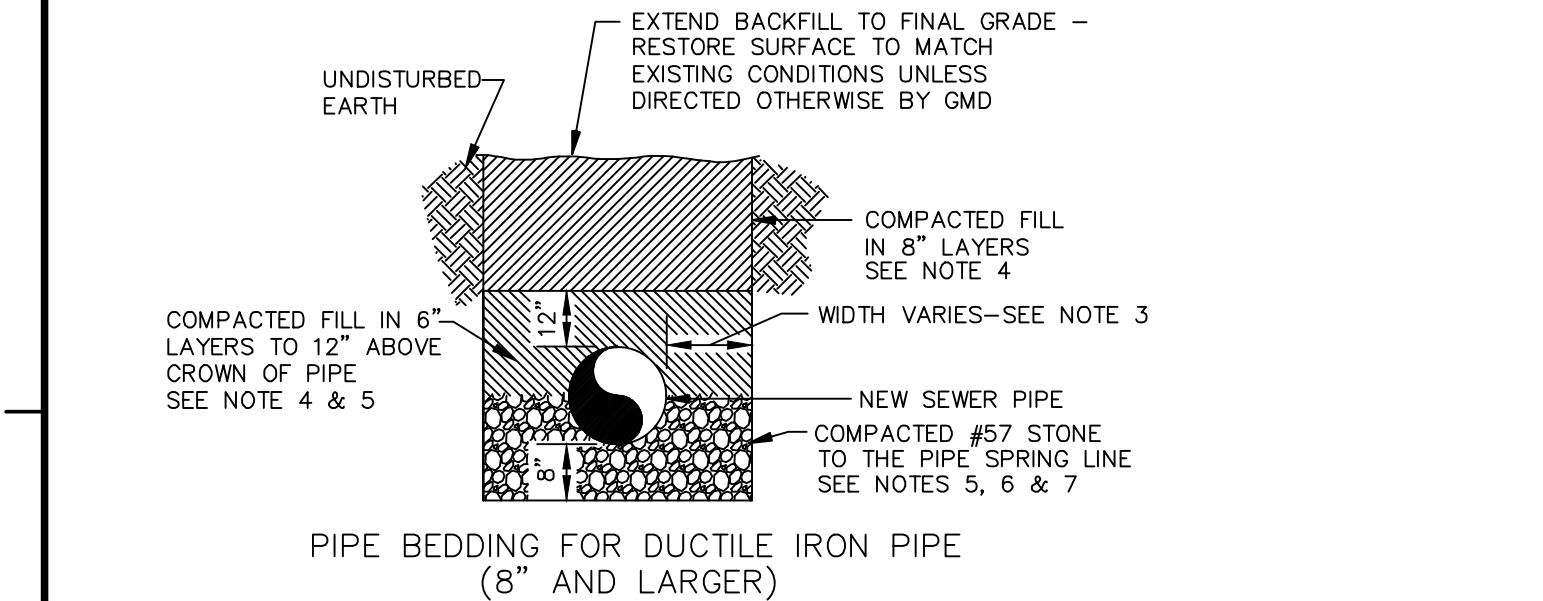
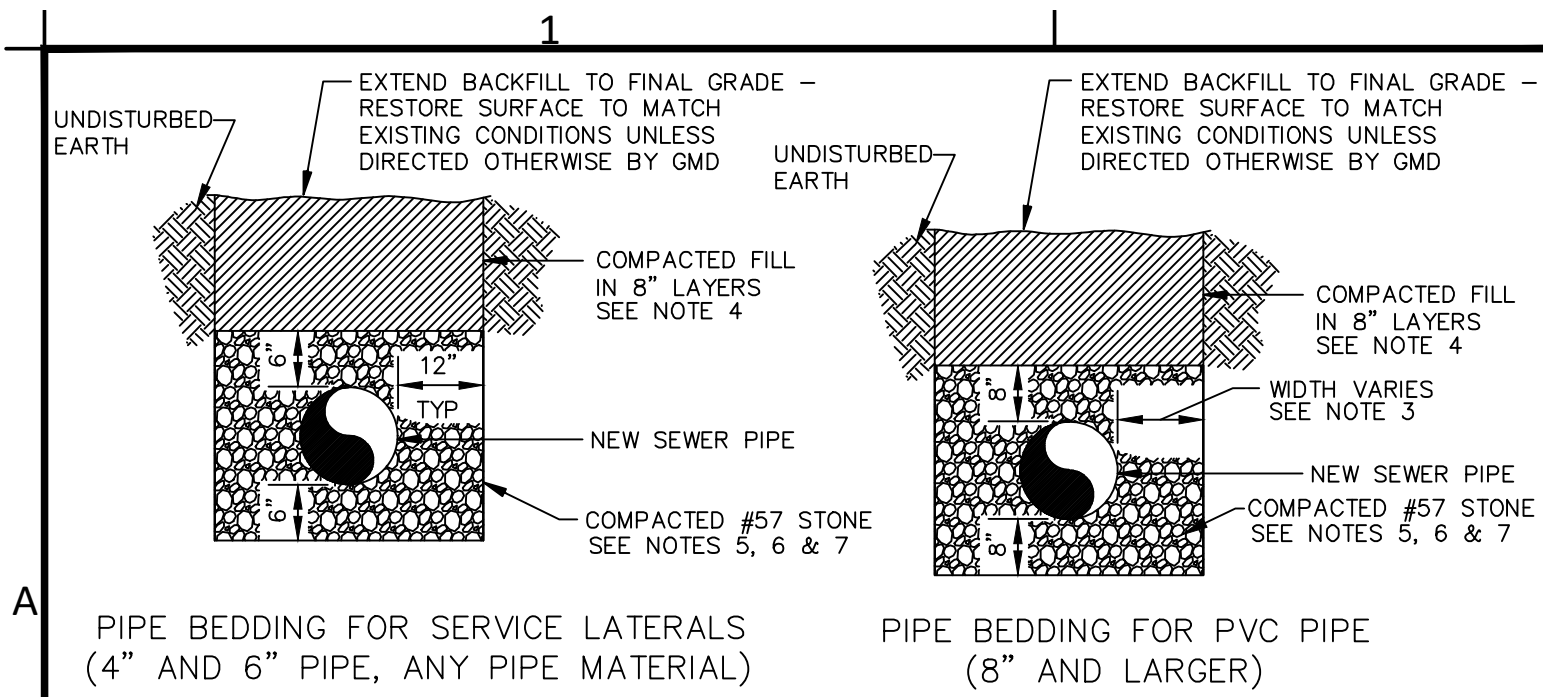
[illegible]

MISCELLANEOUS NOTES AND DETAILS

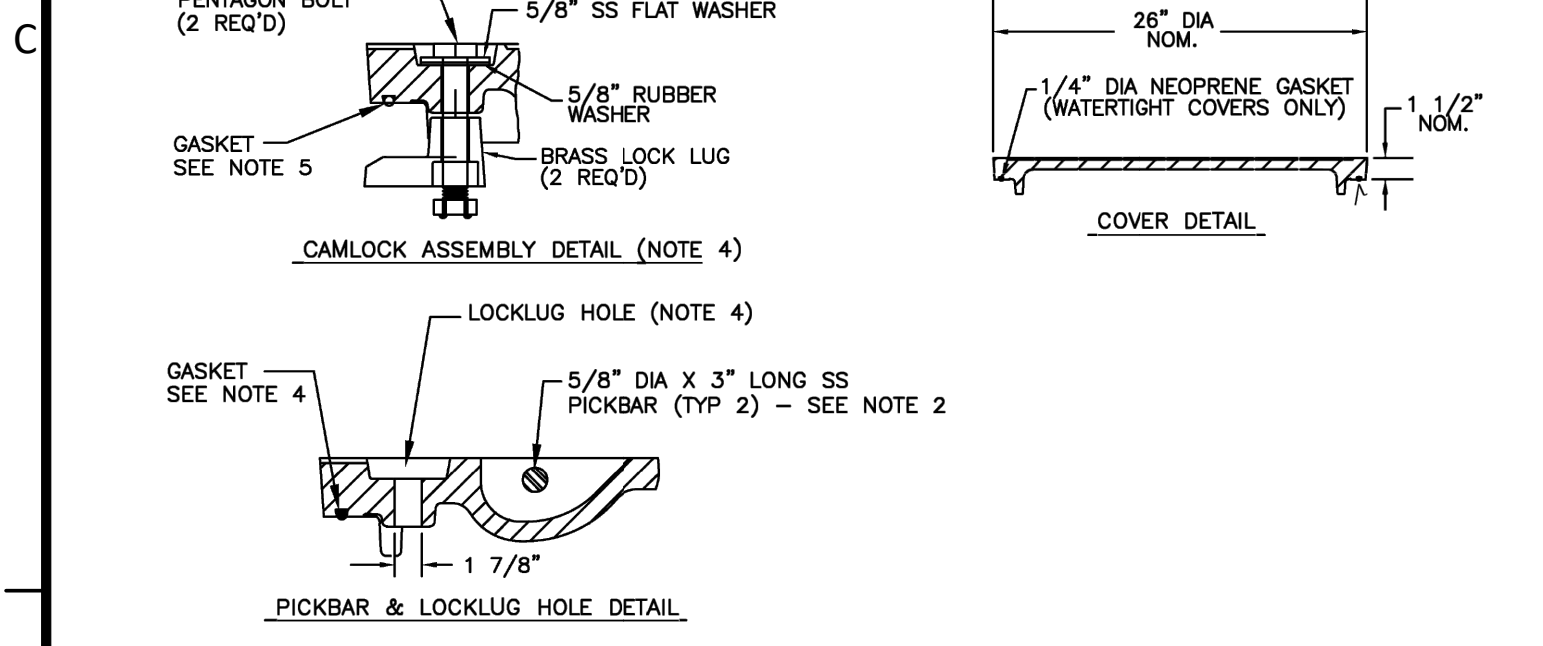
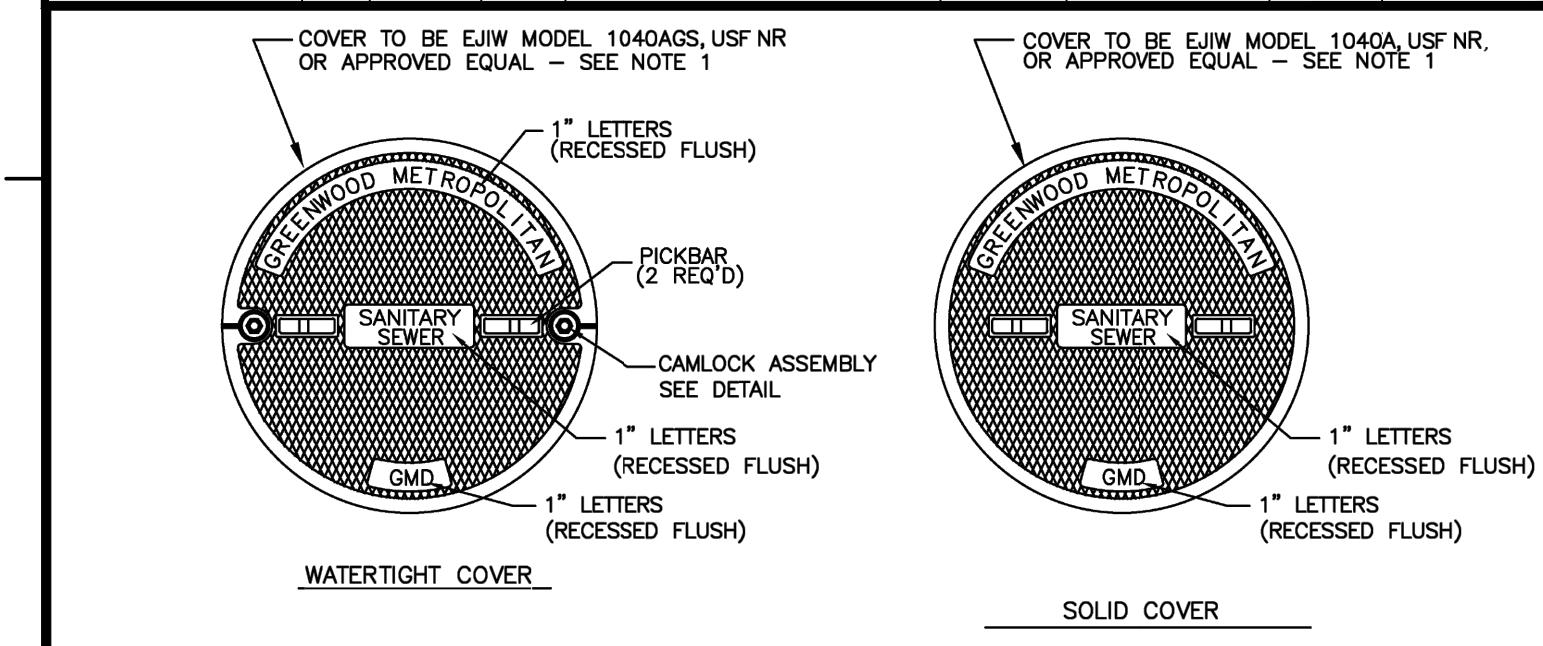
PROPOSED
HOME 2 SUITES
BY HILTON

475 HOSPITALITY BOULEVARD
GREENWOOD COUNTY
SOUTH CAROLINA

SHEET
D-13



GREENWOOD METROPOLITAN DISTRICT GREENWOOD, SOUTH CAROLINA			
PIPE BEDDING			
NONE			DETAIL NO.
Scale	Approved By	Date	SS-1
No.	Date	By	Revision



- NOTES:
1. ALTERNATE COVERS TO THOSE SHOWN MUST BE APPROVED BY GMD.
 2. A SAMPLE OF THE FRAME AND COVER MUST BE DELIVERED TO GMD AS PART OF THE REVIEW AND APPROVAL PROCESS. COVERS MUST FIT ANY FRAME SHOWN IN DETAIL SS-8A.
 3. EJIW = EAST JORDAN IRON WORKS, USF = U.S. FOUNDRY.
 4. COVERS TO BE ASTM A48 CLASS 35 GRAY IRON WITH A MINIMUM WEIGHT OF 144 POUNDS.
 5. NOMINAL DIMENSIONS SHOWN TYPICALLY MEAN PLUS OR MINUS 1/4" INCH UNLESS OTHERWISE APPROVED BY GMD.
 6. WATERTIGHT COVER ONLY.

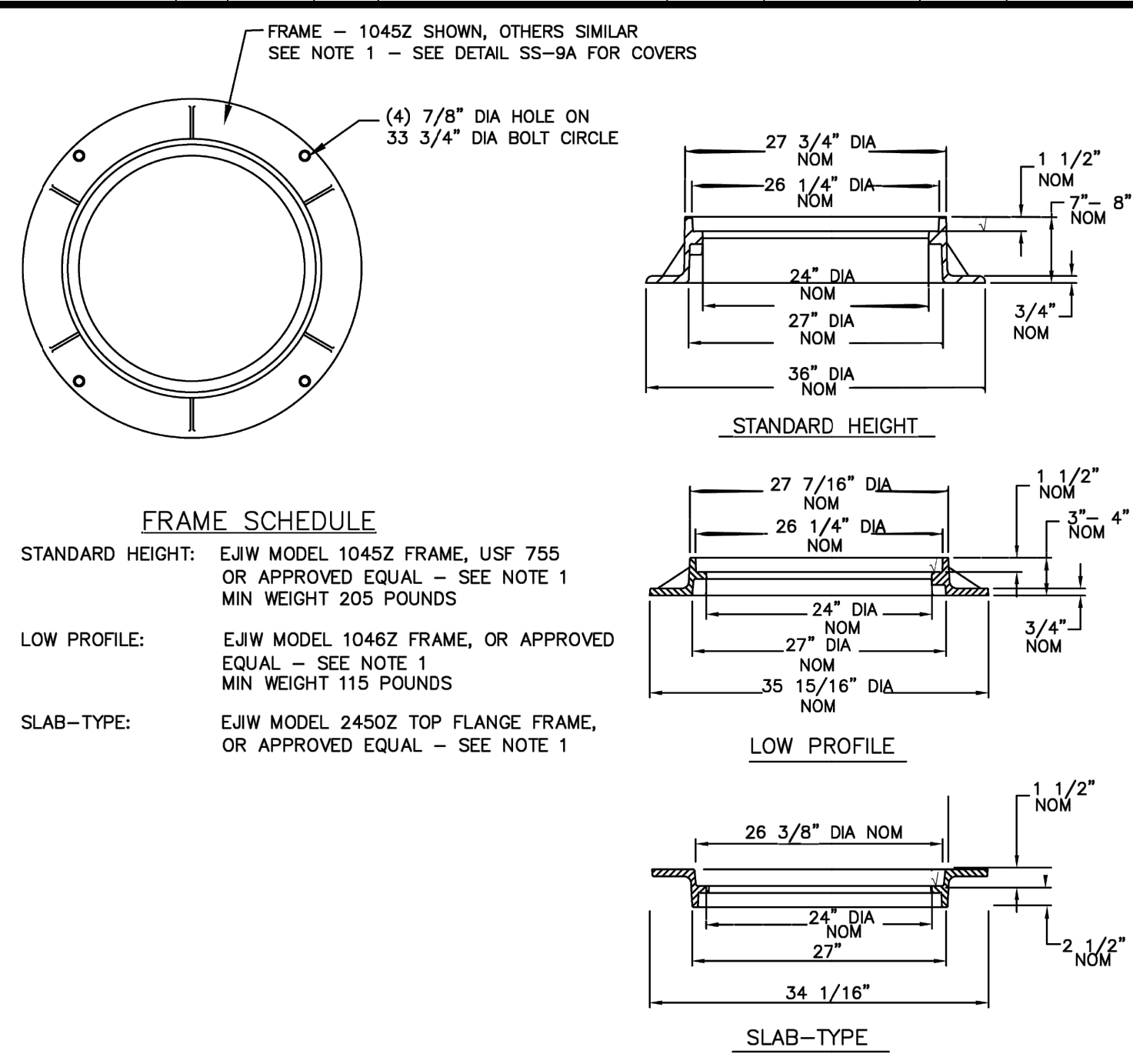
GREENWOOD METROPOLITAN DISTRICT GREENWOOD, SOUTH CAROLINA			
STANDARD MANHOLE COVERS			
NONE			DETAIL NO.
Scale	Approved By	Date	SS-9A
No.	Date	By	Revision

MANHOLE SCHEDULES			
MH DIAMETER	LARGEST PIPE DIAMETER	PIPE DIAMETER	MAX MH SPACING
4 FEET	8" TO 15"	8" TO 12"	400 FEET
5 FEET	16" TO 22"	16" TO 22"	450 FEET
6 FEET	30" TO 45"	30" TO 45"	550 FEET
8 FEET	48"	48" AND LARGER	600 FEET
SPECIAL DESIGN	> 48"		
DETAIL NO.	MANHOLE TYPE	WHEN TO USE	
SS-3	PRECAST WITH CONE SECTION	(1) USE FOR 4-FOOT AND 5-FOOT DIAMETER MANHOLES ONLY. (2) MANHOLES WILL TERMINATE AT GRADE IN LANDSCAPED AREAS AND 16 TO 24 INCHES ABOVE GRADE IN EASEMENT AREAS. NO GRADE ADJUSTMENTS ALLOWED FOR MANHOLES ABOVE GRADE.	
SS-4	PRECAST WITH FLAT TOPS	(1) USE FOR ALL 6-FOOT AND 8-FOOT DIAMETER MANHOLES. (2) USE FOR ALL 4-FOOT AND 5-FOOT MANHOLES THAT TERMINATE MORE THAN 2 FEET ABOVE GRADE. (3) USE FOR SHORT MANHOLES (4-FOOT AND 5-FOOT) WHERE A CONE SECTION WILL NOT WORK.	

- MANHOLE COVER ELEVATIONS:
- (1) FLUSH WITH FINISHED GRADE WITHIN STREET R/Ws AND IN LANDSCAPED/LAWN AREAS UNLESS OTHERWISE SPECIFIED.
 - (2) 16 INCHES ABOVE GRADE IN EASEMENTS EXCEPT TO ACCOMMODATE FLOOD ELEVATIONS PER (3) BELOW.
 - (3) COVERS TO TERMINATE AT LEAST 1 FOOT ABOVE THE 100-YEAR FLOOD ELEVATION BUT NO GREATER THAN 4 FEET ABOVE GRADE TOTAL. WHERE THE FLOOD ELEVATION IS 4 FEET OR MORE ABOVE GROUND, WATERTIGHT COVERS SHALL BE USED. THE MANHOLE COVER SHALL TERMINATE 2 FEET ABOVE GRADE, AND A VENT PIPE SHALL BE INSTALLED TO 2 FEET ABOVE THE 100-YEAR FLOOD ELEVATION.

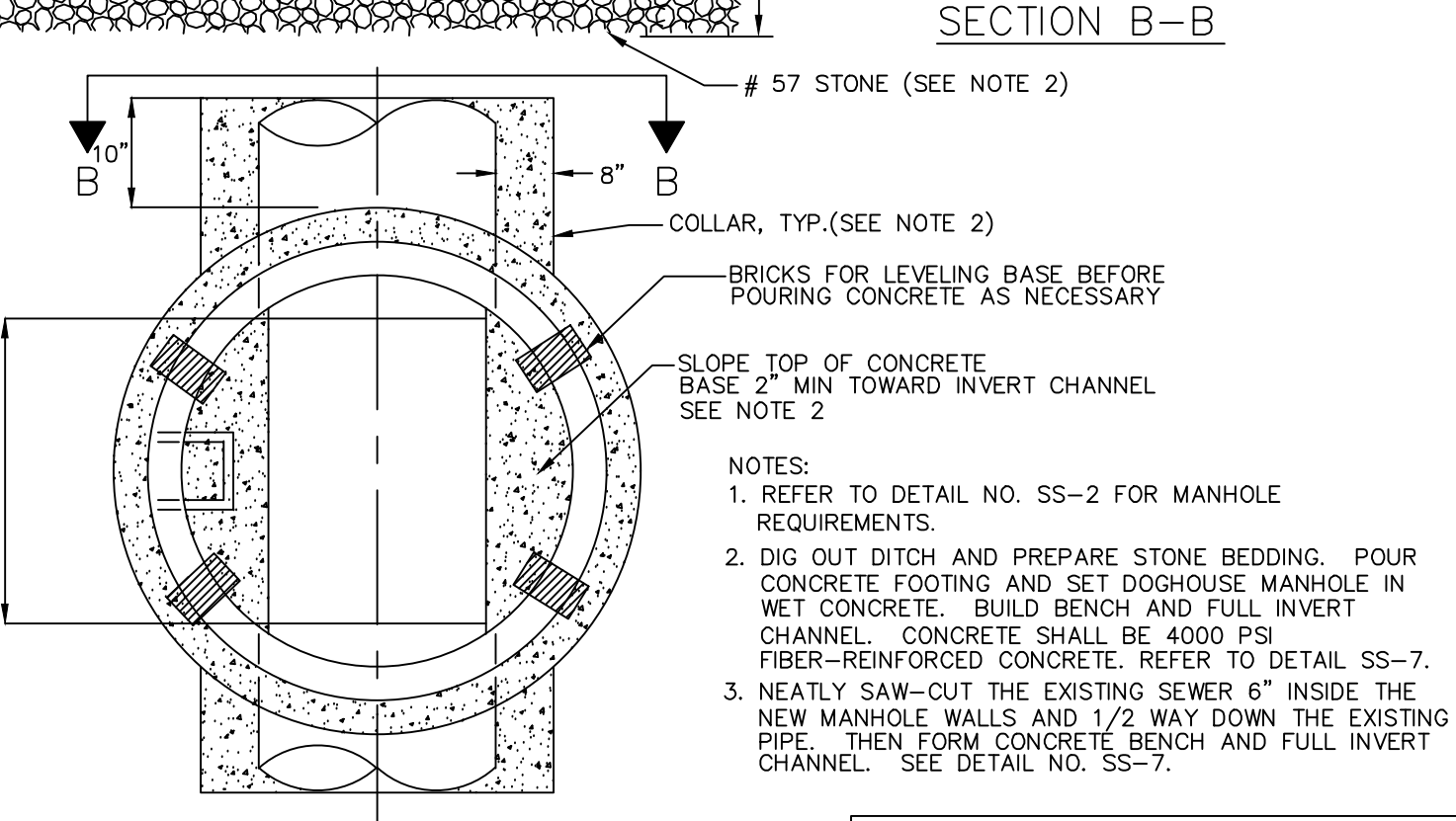
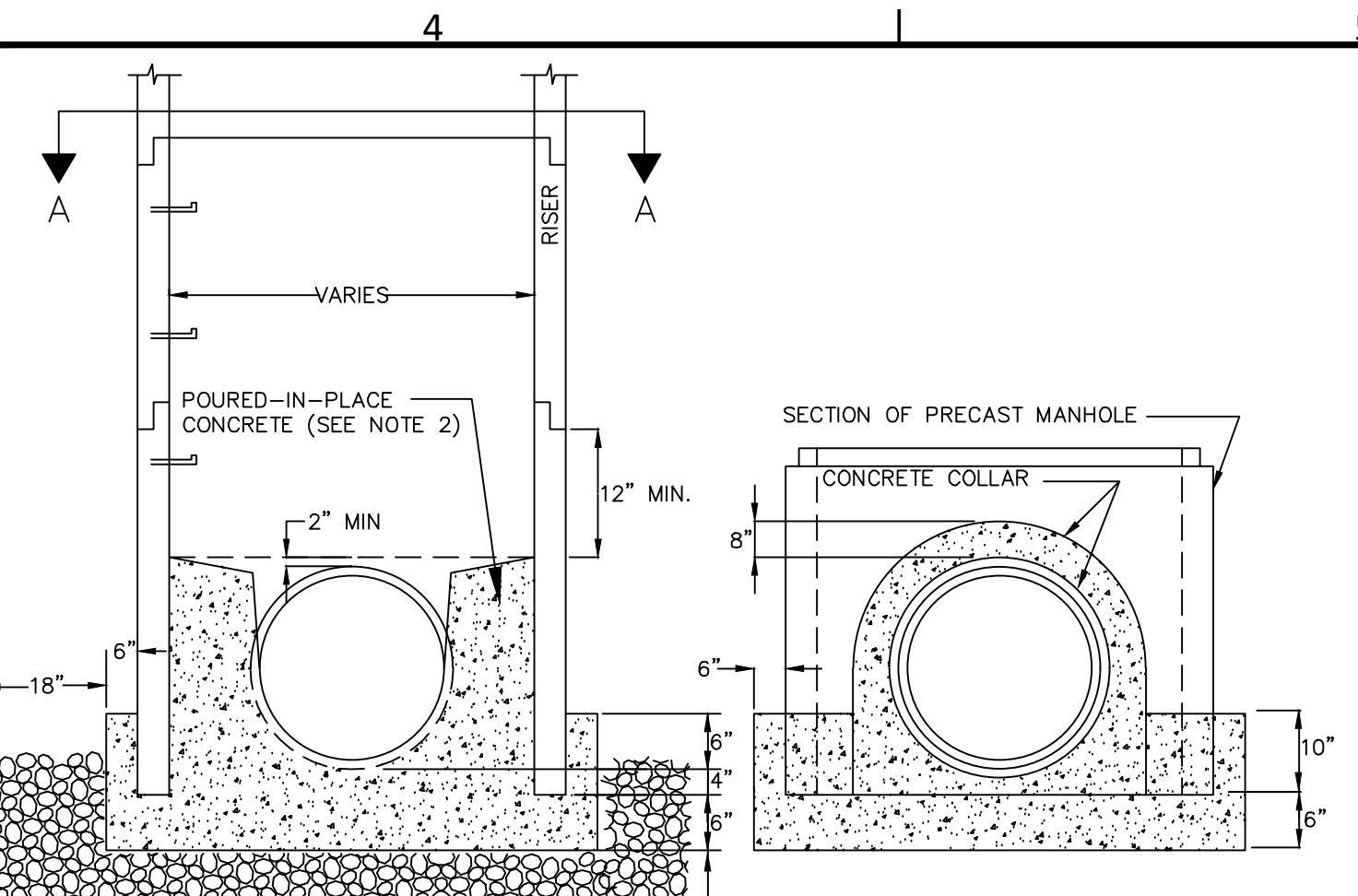
- GENERAL SPECIFICATIONS AND REQUIREMENTS
1. MANHOLE TO CONFORM WITH ASTM C478 EXCEPT AS MODIFIED BELOW.
 2. MANHOLE BASE TO BE REINFORCED WITH A MINIMUM AREA OF 0.20 SQ. IN. PER LINEAL FOOT EACH WAY. WALL REINFORCING TO BE MINIMUM OF 0.12 SQ. IN. PER LINEAL FOOT. EITHER TONGUE OR GROOVE SHALL HAVE REINFORCING EQUAL IN AREA TO MINIMUM OF WALL SECTION.
 3. ALL JOINTS SHALL CONFORM WITH ASTM C443.
 4. STEPS TO BE PLASTIC PER DETAIL NO. SS-11.
 5. ALL PIPE OPENINGS TO BE NO GREATER THAN 3" LARGER THAN OUTSIDE DIAMETER OF PIPE ALL AROUND AND ADDITIONALLY REINFORCED WITH A MINIMUM OF 0.20 SQ. IN. OF STEEL AT 90 DEGREES (ADDITIONAL REINFORCING NOT REQUIRED FOR CORED OPENINGS).
 6. ALL SURFACES SHALL BE SMOOTH EVEN TEXTURED WITH A MINIMUM OF HONEYCOMB, FINS AND OTHER IMPERFECTIONS THE ENGINEER RESERVES THE RIGHT TO REJECT MANHOLES.
 7. NON-PENETRATING LIFTING HOLES SHALL BE PLUGGED WITH EXPANSION GROUT. PENETRATING LIFTING HOLES SHALL NOT BE ALLOWED.
 8. PIPES SHALL BE CONNECTED TO MANHOLES WITH FLEXIBLE RUBBER BOOT CONNECTORS AS SHOWN ON THE DETAILS. WHERE REQUIRED AND/OR NECESSARY, CORED HOLES FOR SEWERS MAY BE USED. FOR CORED HOLES, FILL VOIDS WITH NON-SHRINK GROUT AND POUR A CONCRETE COLLAR OUTSIDE OF THE MANHOLE PER DETAIL NO. SS-20.
 9. STEPS TO BE OVER WIDEST PORTION OF BENCH.
 10. BENCHING AND INVERT CHANNELS SHALL BE PRECAST BY THE MANHOLE MANUFACTURER. FORMED AND POURED IN PLACE BENCHES AND INVERTS MAY BE APPROVED IN CERTAIN SITUATIONS BY THE ENGINEER AND SHALL BE USED WHERE SPECIFICALLY REQUIRED SUCH AS FOR A DOGHOUSE MANHOLE. BENCHING CONCRETE SHALL BE MIN 4000 PSI. ADD FIBER REINFORCING FOR POURED-IN-PLACE BENCHING. FOR PRECAST INVERTS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING EXACT INVERT ELEVATIONS PRIOR TO MANUFACTURING THE MANHOLE INCLUDING WHERE CONNECTING TO EXISTING SEWERS. SEE DETAIL NO. SS-7 FOR ADDITIONAL REQUIREMENTS.
 11. ALL MANHOLE SECTIONS SHALL BE DESIGNED FOR H-20 LOADING.
 12. MINIMUM HEIGHT FOR CONCENTRIC CONES ON MANHOLES WITH BOLT DOWN FRAME AND COVER IS 36".
 13. MATCH PIPE CROWN ELEVATIONS OF CONNECTING/INFLENT SEWERS AND MAIN SEWER.
 14. VACUUM TEST MANHOLES PER THE STANDARD SPECIFICATIONS.
 15. ALL FRAMES SHALL BE BOLTED TO THE FLAT TOP OR CONE SECTION PER DETAIL NO. SS-10, TWO (2) COMPLETE COVERS OF MASTIC SHALL BE INSTALLED UNDER THE FRAME BEFORE SETTING ON THE CONE SECTION OR FLAT TOP.

GREENWOOD METROPOLITAN DISTRICT GREENWOOD, SOUTH CAROLINA			
MANHOLE SCHEDULES AND GENERAL REQUIREMENTS			
NONE			DETAIL NO.
Scale	Approved By	Date	SS-2
No.	Date	By	Revision

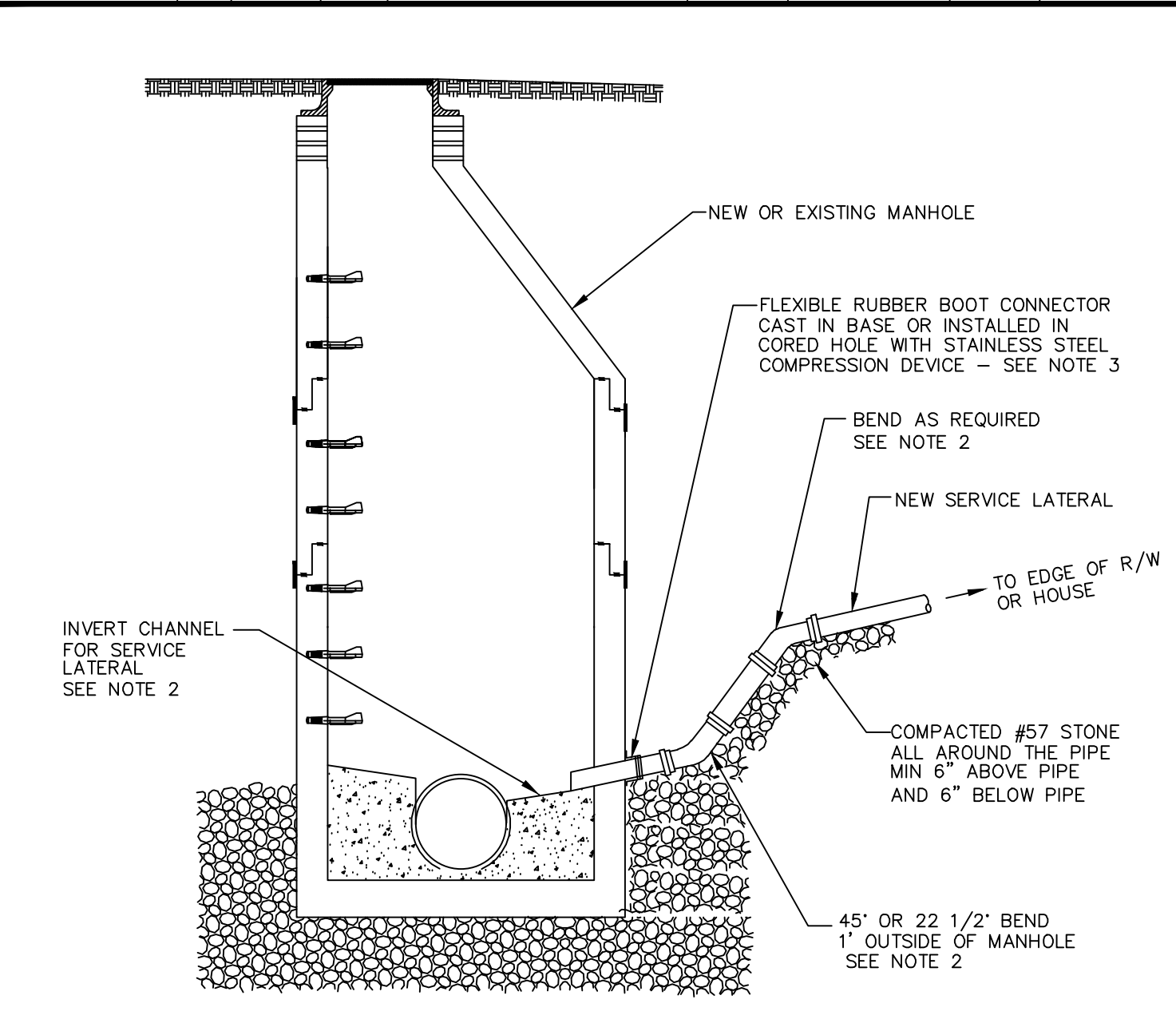


- NOTES:
1. ALTERNATE FRAMES TO THOSE SHOWN MUST BE APPROVED BY GMD.
 2. A SAMPLE OF THE FRAME AND COVER MUST BE DELIVERED TO GMD AS PART OF THE REVIEW AND APPROVAL PROCESS. FRAMES MUST BE SUITABLE FOR USE WITH ANY COVER SPECIFIED IN DETAIL SS-9A.
 3. EJIW = EAST JORDAN IRON WORKS, USF = U.S. FOUNDRY.
 4. COVERS TO BE ASTM A48 CLASS 35 GRAY IRON WITH MINIMUM WEIGHTS SPECIFIED IN THE FRAME SCHEDULE.
 5. NOMINAL DIMENSIONS SHOWN TYPICALLY MEAN PLUS OR MINUS 1/4" INCH UNLESS OTHERWISE APPROVED BY GMD.

GREENWOOD METROPOLITAN DISTRICT GREENWOOD, SOUTH CAROLINA			
STANDARD MANHOLE FRAMES FOR COVERS			
NONE			DETAIL NO.
Scale	Approved By	Date	SS-8A
No.	Date	By	Revision

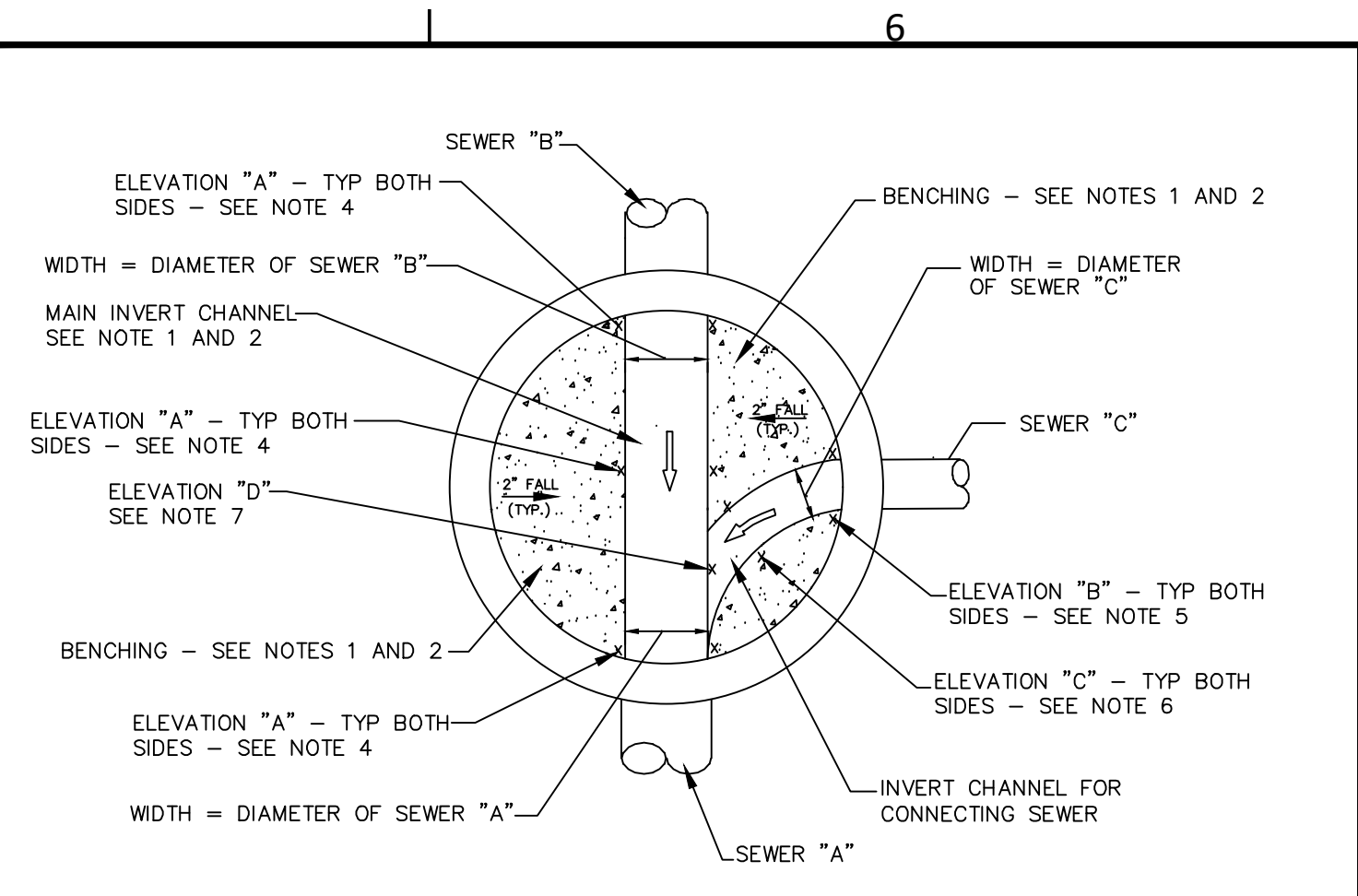


GREENWOOD METROPOLITAN DISTRICT GREENWOOD, SOUTH CAROLINA			
PRECAST DOGHOUSE MANHOLE INSTALLED OVER EXISTING SEWER			
NONE			DETAIL NO.
Scale	Approved By	Date	SS-5
No.	Date	By	Revision



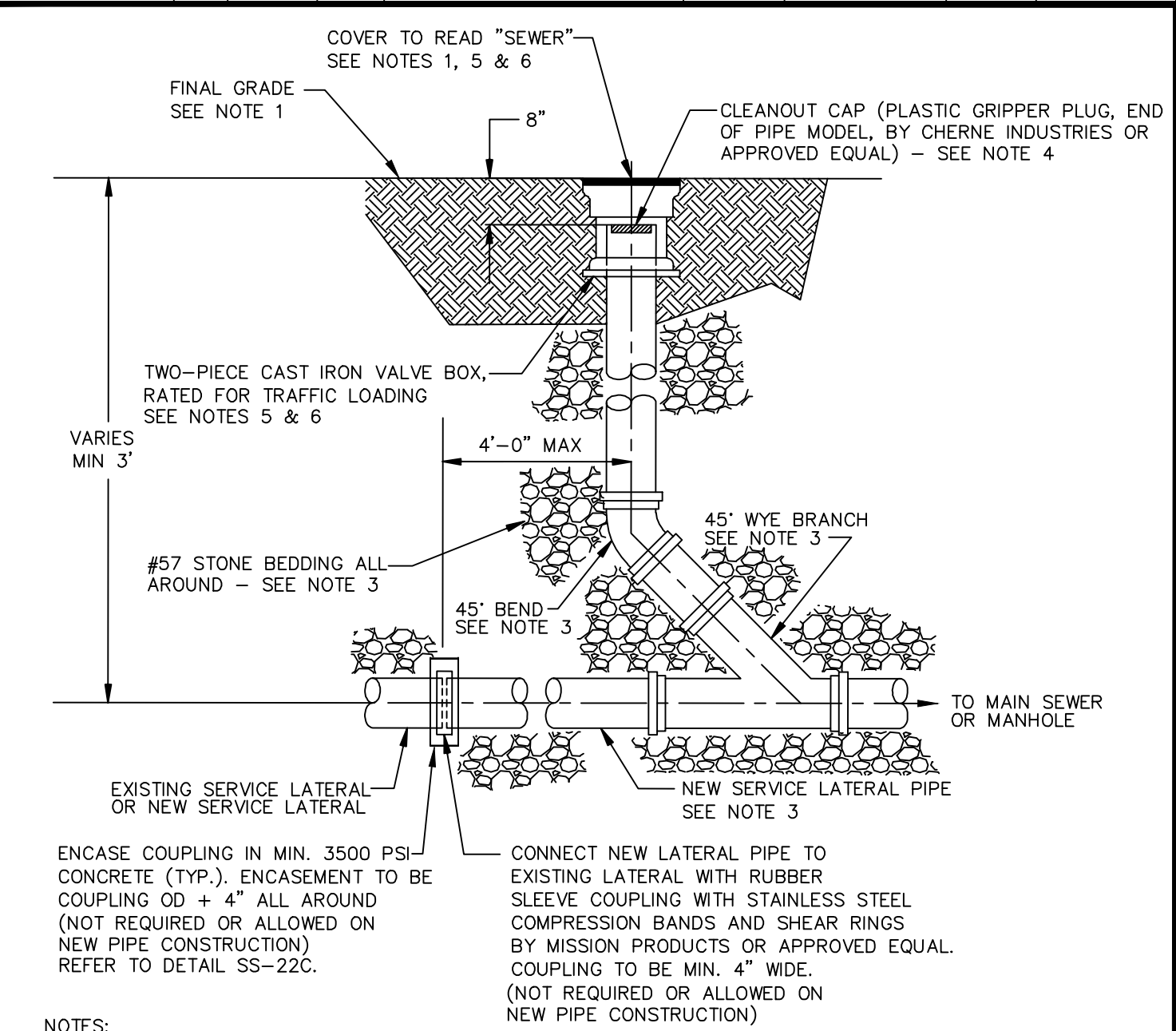
- NOTES:
1. REFER TO THIS DETAIL WHEN INSTALLING NEW SERVICE LATERALS TO NEW MANHOLES.
 2. ROUTE ALL NEW SERVICE LATERALS BEING INSTALLED TO NEW MANHOLES SUCH THAT THE SERVICE LATERAL CROWN ELEVATION MATCHES THE HIGHEST CROWN ELEVATION OF THE CONNECTING SEWER(S). CONTRACTOR SHALL USE BENDS AS NECESSARY. DROP PIPES INSIDE MANHOLES SHALL NOT BE ALLOWED.
 3. IF THE HOLE FOR THE SERVICE LATERAL MUST BE CORE-DRILLED IN THE FIELD, REFER TO DETAIL SS-20 FOR REQUIREMENTS.

GREENWOOD METROPOLITAN DISTRICT GREENWOOD, SOUTH CAROLINA			
NEW SERVICE LATERAL INSTALLATION TO NEW MANHOLE			
NONE			DETAIL NO.
Scale	Approved By	Date	SS-17A
No.	Date	By	Revision



- NOTES:
1. THIS DETAIL DEPICTS A TYPICAL BENCHING AND INVERT CHANNEL CONFIGURATION. IT IS IMPOSSIBLE TO DETAIL AND DESCRIBE ALL CONFIGURATIONS THAT WILL BE ENCOUNTERED/REQUIRED. THIS DETAIL IS INTENDED TO PROVIDE GENERAL GUIDELINES AND REQUIREMENTS FOR BENCHING AND INVERT CHANNEL CONSTRUCTION. THE CONTRACTOR SHALL ACCOMMODATE ALL EXISTING CONFIGURATIONS AND CONSTRUCT BENCHING AND INVERT CHANNELS TO THE SATISFACTION OF GMD. ADJUSTMENTS AND REPAIRS TO THE BENCHING AND INVERT CHANNELS SHALL BE PERFORMED AS REQUIRED BY GMD AT NO ADDITIONAL COST. ALL REPAIRS AND ADJUSTMENTS MUST BE MADE WITH AN APPROVED NON-SHRINK GROUT.
 2. BENCHING AND INVERT CHANNELS SHALL BE PRECAST BY THE MANHOLE MANUFACTURER. FORMED AND POURED-IN-PLACE BENCHES AND INVERTS MAY BE APPROVED IN CERTAIN SITUATIONS BY THE ENGINEER AND SHALL BE USED WHERE SPECIFICALLY REQUIRED SUCH AS FOR A DOGHOUSE MANHOLE.
 3. BENCHING AND INVERT CHANNELS SHALL BE CONSTRUCTED USING MINIMUM 4000 PSI CONCRETE. ADD FIBER REINFORCING FOR POURED-IN-PLACE BENCHES/INVERTS. ELEVATIONS OF BENCHING AND CHANNELS SHALL BE AS DEFINED IN NOTES 4 THROUGH 7. AT LEAST 2 INCHES OF FALL SHALL BE PROVIDED ON THE TOP OF THE BENCHING FROM THE MANHOLE WALLS TO THE INVERT CHANNELS.
 4. INVERT CHANNELS SHALL BE U-SHAPED CHANNELS FOLLOWING THE SHAPE AND DIAMETER OF THE CONNECTING SEWER PIPE FROM THE BOTTOM TO THE SPRINGLINE OF THE PIPE AND THEN EXTENDING VERTICAL TO THE REQUIRED HEIGHT. THE WIDTH OF THE TOP OF THE CHANNEL SHALL EQUAL THE CORRESPONDING SEWER DIAMETER. THE HEIGHT SHALL BE AS DEFINED IN THE DETAILS WITH THE MINIMUM HEIGHT IN ALL CASES EQUAL TO THE CORRESPONDING SEWER DIAMETER. INVERT CHANNELS SHALL BE SMOOTH, UNIFORM, FREE OF BURRS AND BRIARS THAT MAY CATCH DEBRIS, AND CONSTANTLY SLOPING FROM INLET SEWERS TO THE OUTLET SEWER.
 5. ELEVATION "A" TO EQUAL THE CROWN ELEVATION OF SEWER "B".
 6. ELEVATION "B" TO EQUAL THE CROWN ELEVATION OF SEWER "C".
 7. ELEVATION "C" SHALL EQUAL AT LEAST THE INVERT CHANNEL ELEVATION AT THAT POINT PLUS THE DIAMETER OF SEWER "C". ADJUST THE ELEVATION UPWARD AS NECESSARY TO AT LEAST EXCEED THE BENCHING ELEVATION AT THE NEARBY MAIN INVERT CHANNEL.

GREENWOOD METROPOLITAN DISTRICT GREENWOOD, SOUTH CAROLINA			
BENCH AND INVERT PLAN			
NONE			DETAIL NO.
Scale	Approved By	Date	SS-7
No.	Date	By	Revision



- NOTES:
1. CLEANOUT COVER TO BE FLUSH WITH THE FINAL GRADE.
 2. LOCATION OF CLEANOUT TO BE APPROVED BY GMD. CLEANOUTS SHALL BE INSTALLED AT ALL BENDS IN THE LATERAL, AT LEAST EVERY 100 FEET (OR CLOSER IF REQUIRED BY CITY/COUNTY REGULATIONS) AND/OR AS REQUIRED BY GMD.
 3. LATERAL PIPE AND FITTINGS SHALL BE THE SAME PIPE MATERIAL UNLESS APPROVED OTHERWISE BY GMD. SERVICE LATERAL PIPE AND FITTINGS SHALL BE COMPLETELY ENCAPSULATED IN SCOTD NO. 57 STONE. REFER TO DETAIL SS-1.
 4. ALTERNATE CLEANOUT CAPS MUST BE APPROVED BY GMD.
 5. VALVE BOXES SHALL BE GRAY IRON CONFORMING TO ASTM A48 CLASS 35 AND SHALL BE FULLY BITUMINOUS SEAL COATED. MIN LENGTH OF TOP SECTION TO BE 16 INCHES.
 6. INSTALL AN 18" X 18" CONCRETE COLLAR (MIN 3500 PSI CONCRETE, 6" THICK) AROUND ALL CAST IRON VALVE BOXES LOCATED IN ANY ASPHALT OR CONCRETE PAVED AREA.

GREENWOOD METROPOLITAN DISTRICT GREENWOOD, SOUTH CAROLINA			
TYPICAL CLEANOUT			
NONE			DETAIL NO.
Scale	Approved By	Date	SS-21
No.	Date	By	Revision

REVISION			
NO.	DATE	BY	
A			

Greay Engineering

132 PILGRIM ROAD - GREENVILLE, SC 29607
PH: 864.671.7474
WWW.GREAYENGINEERING.COM

SC C.O.A.# 000060 - NC C.O.A.# 0000941 - TN C.O.A.# 0010819

CAROLINA ENGINEERING CONSULTANTS

REGISTERED PROFESSIONAL ENGINEER
No. 000060

REGISTERED PROFESSIONAL ENGINEER
No. 0000941

PROPOSED HOME 2 SUITES BY HILTON

MISCELLANEOUS NOTES AND DETAILS

GREENWOOD COUNTY SOUTH CAROLINA

475 HOSPITALITY BOULEVARD

SCALE: AS NOTED

PROJECT MANAGER: ZDI

DRAWN BY: MSG

PROJECT DATE: 5/3/2023

JOB No.: 2023104

PLOT DATE: 3/6/25

SHEET

D-14