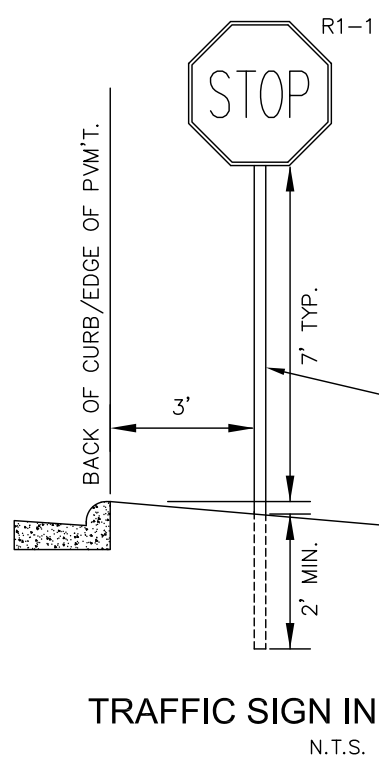


1. It is not the intent of these construction notes to cover all details and/or the specification requirements for the project area.
2. The CONTRACTOR shall provide reasonable access to residential, commercial and public properties in the project area.
3. The CONTRACTOR shall be responsible for furnishing all labor, materials, equipment and incidental items needed to provide adequate construction signing, barricades, traffic control devices and other related items for the project area, during the construction period. Maintenance and protection of traffic must comply with the MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES. This work is to be considered an incidental item and the cost of this item is to be included in other pay items.
4. All existing utility locations shown are approximate based off of information provided by the utility owner's. Prior to installation of any portion of the water, sewer or storm drain infrastructure shown in these plans the CONTRACTOR is to verify the locations (horizontal and vertical) of all existing utilities & utility infrastructure in the project area prior to construction. Should there be any conflicts or discrepancies the CONTRACTOR is to notify ENGINEER in writing.
5. The CONTRACTOR shall bear full responsibility for the protection of all private and public utilities even though they may not be shown on the plans. Any utility that is damaged during construction shall be repaired or replaced to the satisfaction of the utility owner by the CONTRACTOR. This includes all service laterals of any kind.
6. The CONTRACTOR will not be responsible for demolishing or removing any existing above or below ground telephone, power, or gas lines but shall be responsible for coordinating his work with all local utility companies.
7. The CONTRACTOR shall verify all shown dimensions and elevations (existing and proposed) in the field and shall satisfy himself as to the accuracy between work set forth on these plans and the work required in the field. Any discrepancies shall be brought to the attention of the ENGINEER prior to construction.
8. The CONTRACTOR is required by law to notify Mississippi One Call @ 601-362-4374 at least 48 hours prior to construction to locate all existing utilities on site.
9. The CONTRACTOR shall be responsible for notifying all utility companies at a minimum of 48 hours prior to commencing work in the project area. Likewise, the CONTRACTOR is responsible for coordinating his work and that of the involved utilities in the project area.
10. All testing required by the project specifications or Utility Ordinances shall be done by an approved testing laboratory at the expense of the CONTRACTOR.
11. The CONTRACTOR shall restore all disturbed areas to match pre-construction condition or better after completion of the project.
12. The CONTRACTOR is to provide the ENGINEER a Certification that the project was completed according to the Project Plans and Specifications.
13. Roads to be kept clean of mud and debris at all times.
14. The CONTRACTOR shall carefully remove, store and reinstall all City/County/State owned signs whose removal is required by his construction work in the project area. It shall be the CONTRACTOR's responsibility to arrange for the appropriate agency to inspect all signs scheduled for removal prior to their removal. Once said signs have been removed, it will be assumed that they were in good condition at the time of removal. Any signs damaged or lost by the CONTRACTOR shall be replaced at no cost to the appropriate agency.
15. Elevations are based on M.S.L. Datum.
16. The CONTRACTOR shall procure all required permits and licenses; pay all fees, charges and taxes (including sales and use taxes); give all required notices; maintain an orderly and safe flow of traffic; maintain proper stormwater drainage; locate and avoid disrupting all existing utilities; transport all equipment and materials as required by any agency having jurisdiction over any road use thereof; transport, handle and install all materials in accordance with their respective manufacturer's recommendations and project specifications; properly backfill all trenches and excavations; maintain a clean and orderly work site; promptly remove all equipment, debris and excess soils and/or materials on completion of the work; and restore to substantially the same or better conditions all disturbed pavements and ground surfaces.
17. All activity required for the accomplishment of the Work is to be performed when soil conditions are not conducive to the Work. Drilling shall be maintained at all times. CONTRACTOR shall conduct its operations and activities in such a manner as to minimize the erosion of soils and the deposition of sediments into existing drainage courses downstream of project work site or onto adjacent properties.
18. CONTRACTOR shall be responsible for removing any and all existing structures necessary for completion of the work described in these plans unless otherwise noted.

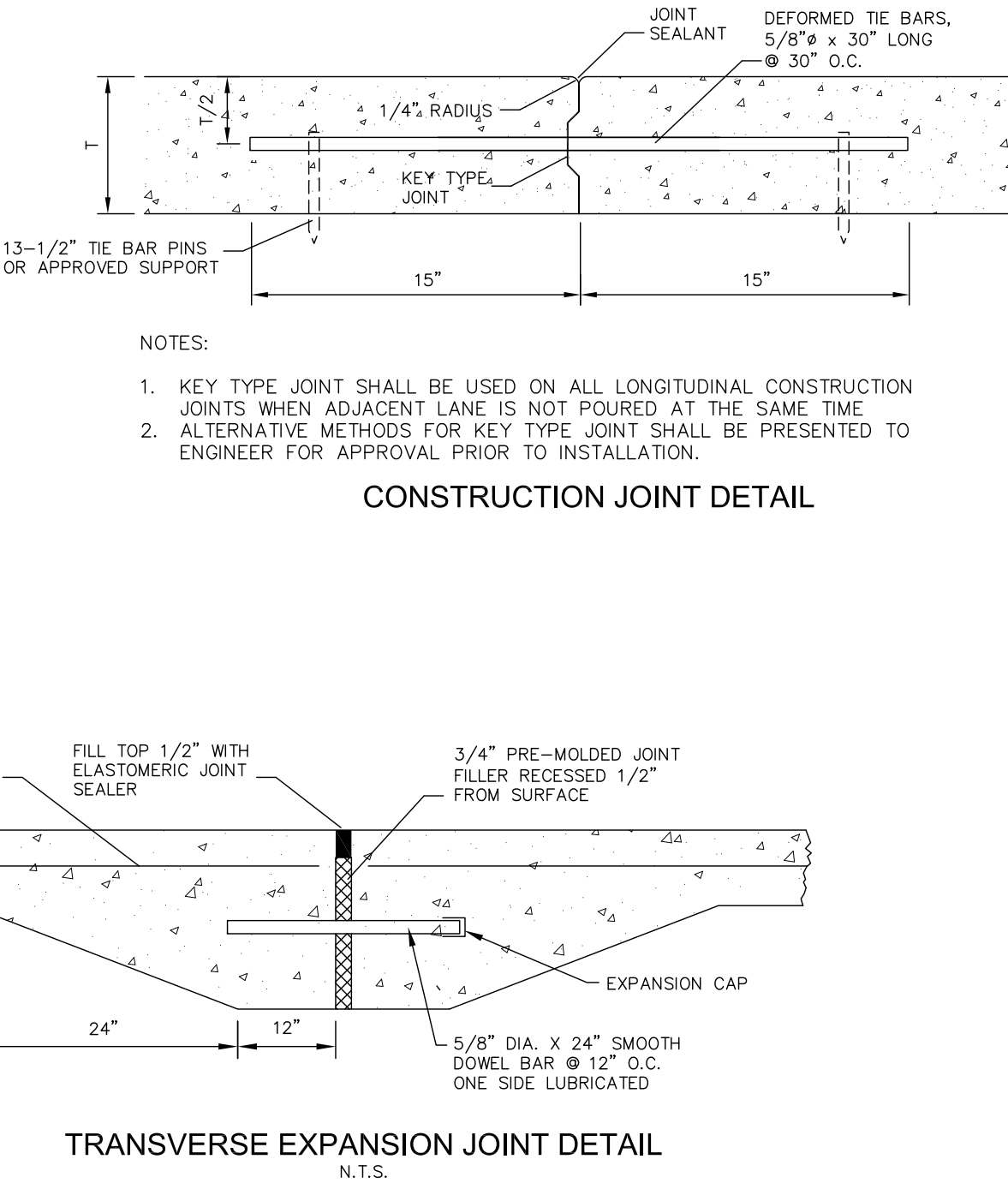
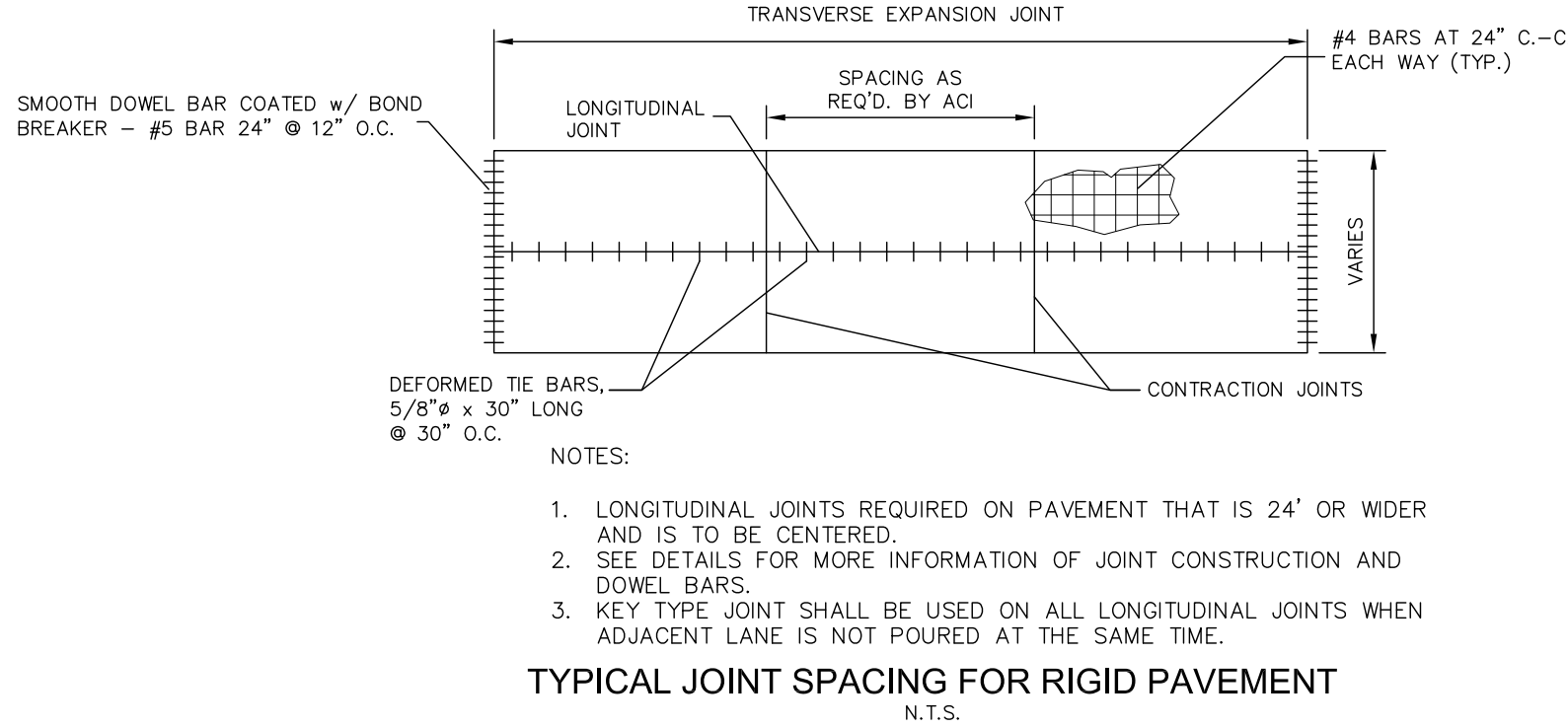
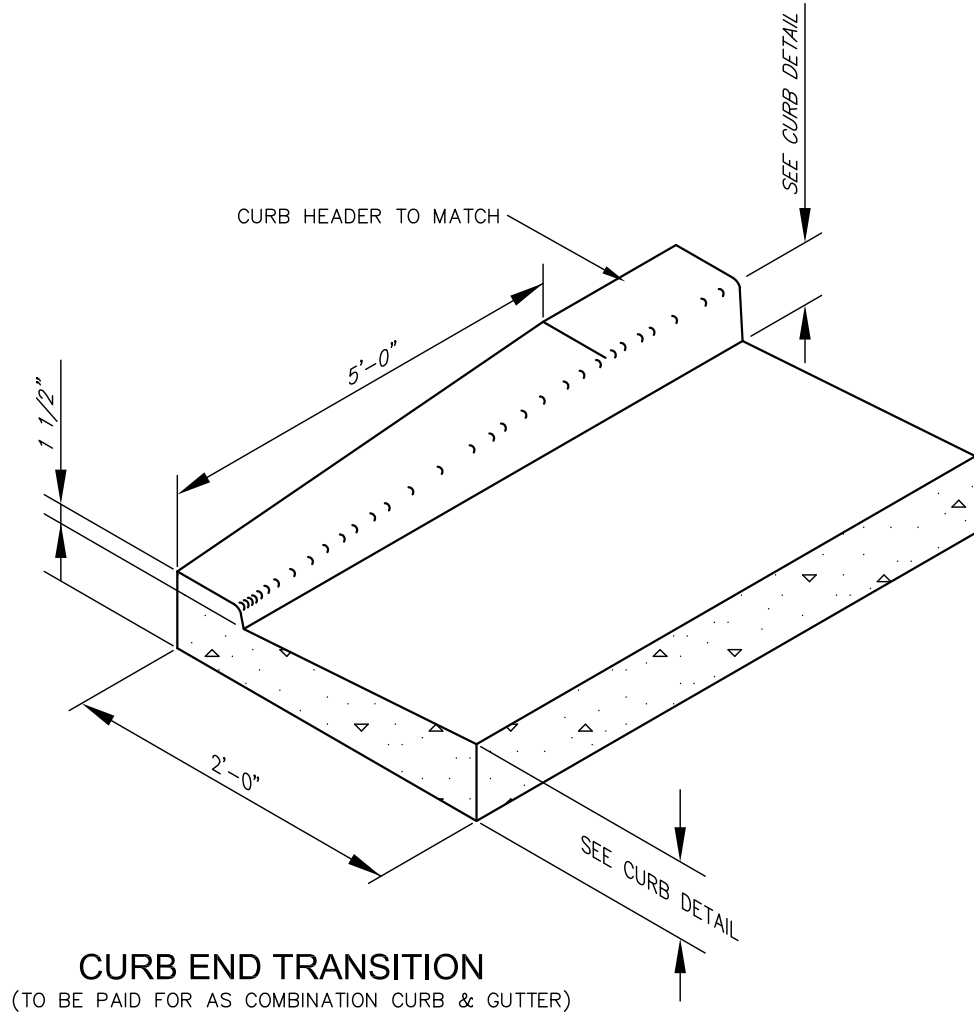
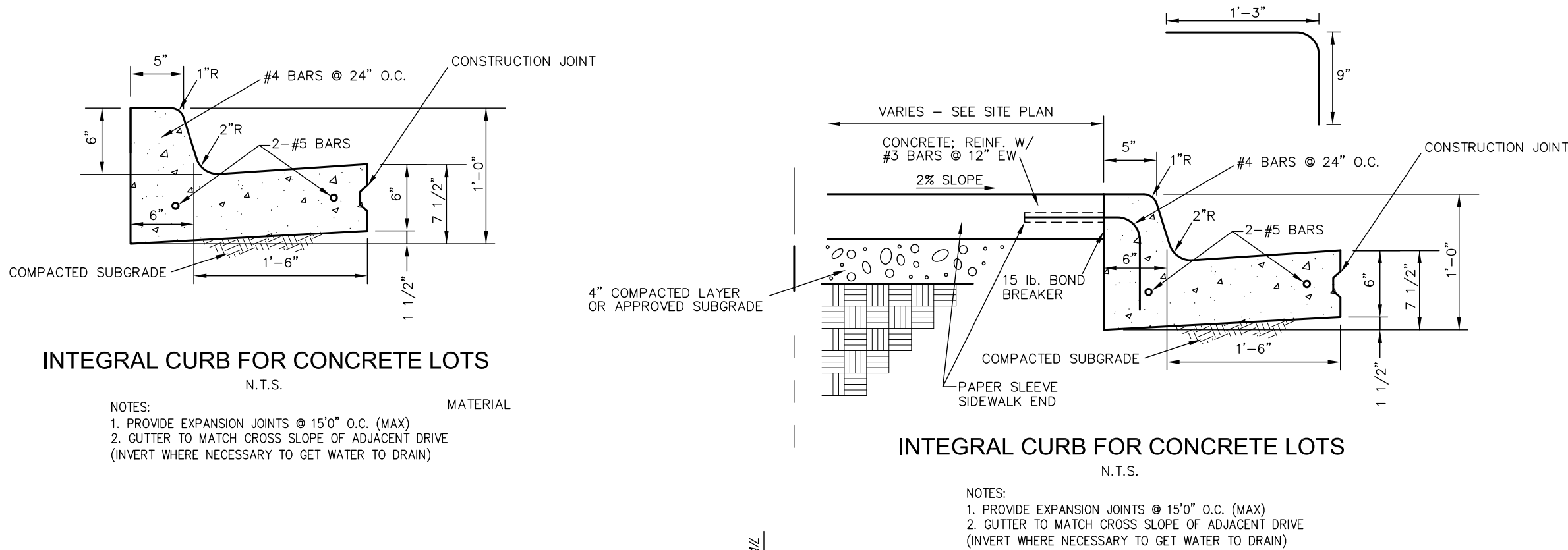
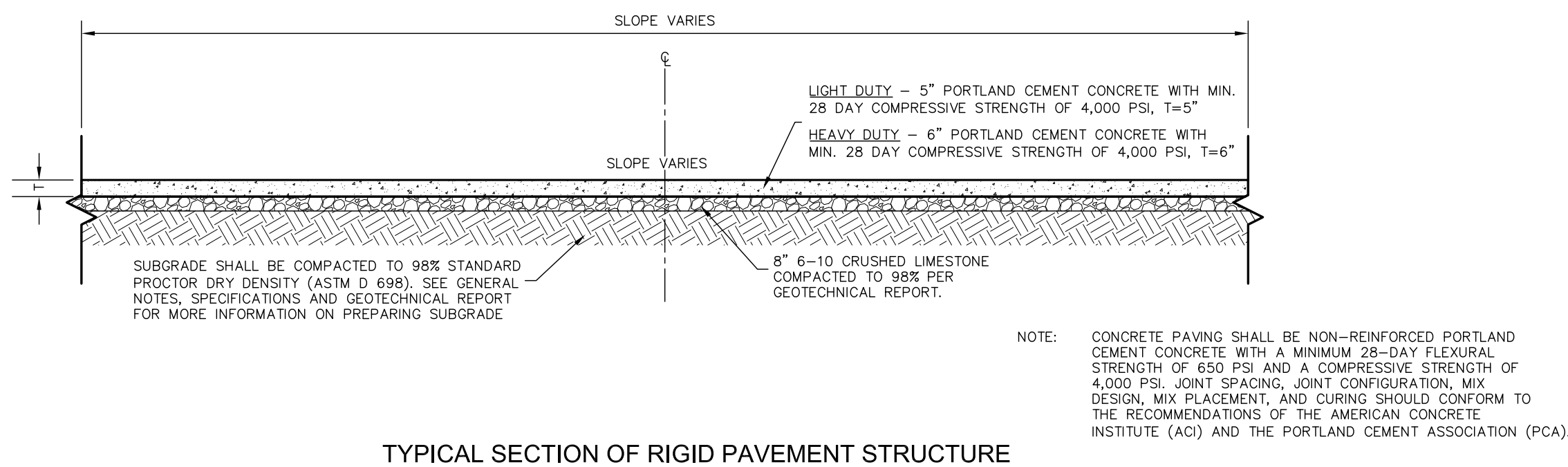
1. Technical specification for materials and construction methods for paving and earthwork this project shall conform to the 1990 edition of MISSISSIPPI STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, these plans and specifications and the geotechnical report titled "Surface Investigation For Holiday Inn Express, Southcrest Parkway, SOUTHAVEN, Mississippi", Prepared By Geotechnical Associates Network, LLC. Should there be any conflicts between the notes stated herein or the project specifications with the geotechnical report, the GEOTECHNICAL REPORT shall govern.
2. Earth excavation shall include clearing, stripping, and the stockpiling of topsoil, removing unsuitable materials, the stabilization of embankments, non-structural fills, final shaping and trimming to the lines, grades and cross sections shown on the plans. All unsuitable or excess material shall be disposed of as directed by the ENGINEER.
3. As an initial step of site preparation, trees and vegetation within the construction limits should be removed. Tree and vegetation removal (clearing and grubbing) will include stumps and root systems. Holes created by tree and stump removal should be backfilled with compacted select fill soils.
4. After clearing and grubbing, stripping (6" minimum depth) should be performed to a sufficient depth within construction areas to remove organic-laden surficial soils, vegetation, debris, brush and roots (topsoil). Topsoil excavated shall be stockpiled on the site in areas designated by the ENGINEER until such time that this topsoil can be used for final grading. This is not a pay item, but shall be an absorbed cost.
5. Once clearing, grubbing, and stripping has been completed the CONTRACTOR shall excavate areas that are to be cut to reach plan grade. CONTRACTOR shall then notify the GEOTECHNICAL ENGINEER for a field inspection of the subgrade prior to placement of any select fill. CONTRACTOR shall have equipment available to perform a proof roll whenever the subgrade is disturbed. The GEOTECHNICAL ENGINEER deem necessary. Fine-grained soils exposed after stripping, excavation and undercutting are susceptible to pumping and/or becoming unstable and rutting excessively under wet conditions. The construction techniques, types of equipment utilized and site drainage provided during construction will have a great effect on the performance of the fine-grained soils throughout the project. The routing of rubber-tired equipment should be controlled to minimize traffic over the site. All traffic should be discouraged during periods of inclement weather.
6. Import select fill material shall consist of select, non-organic and debris-free silty clays (CL) having a plasticity index (PI) within the range of 8 to 22 and a liquid limit less than 40.
7. Fill soils should be compacted from lifts not exceeding 8" in loose thickness to not less than 98% of standard Proctor maximum dry density (ASTM D 698). Stability must be evident during compaction of each lift before any subsequent lifts of fill material are added.
8. The grading and construction of the site improvements shall not cause the ponding of storm water. All areas adjacent to these improvements shall be graded to allow positive drainage. Positive drainage shall be maintained at all times.
9. The CONTRACTOR shall take special care in grading near trees, bushes and shrubs which are not to be removed so as not to cause injury to roots or trunks.
10. The CONTRACTOR shall use care in grading or excavation near any and all existing items which are not indicated to be removed. Any damage done to these existing items by the CONTRACTOR'S operations shall be repaired at the CONTRACTOR'S expense.
11. Proposed elevations indicate finished conditions. For rough grading elevations allow for thickness of proposed items (roads, walks, drives, etc.) or topsoil as shown.
12. Street paving and curbs to remain shall be protected from damage, and if damaged, shall be replaced promptly.



1. All materials and construction shall be in accordance with these plans and project specifications.
2. The CONTRACTOR shall provide all the materials and appurtenances necessary for the complete installation of water and sewer utilities.
3. The CONTRACTOR shall make all ties to existing utilities and coordinate them with the CITY OF SOUTHAVEN Public Works Department.
4. All manholes, valve boxes, and fire hydrants shall be adjusted to proper line and finished grade by the CONTRACTOR after placing of pavement and before final acceptance.
5. Trenching and embedment work shall conform to all requirements and shall follow the typical cross-section detail for trenching. Unless specified otherwise, backfill material shall be compacted to 95% density of Standard Proctor in accordance with ASTM D-698. All backfill material shall be compacted in 6" layers.
6. The end of water and sewer lines shall be tightly capped or plugged and marked until such time as service connections are made or lines are extended.
7. All water lines and sanitary sewer lines shall be installed with a minimum of three feet (3') of cover over the top of the pipe on finished grade or shown otherwise. Where installed in a roadway section, the minimum cover over the top of the pipe shall be four feet (4'). Backfill shall be placed in 6" lifts and compacted to 96% Standard Proctor density.
8. Ten feet (10') of horizontal clearance is required between all water and sewer lines. At locations where the water and sewer lines must cross each other there shall be a minimum clearance of 18" with the water passing over the sewer. If these separations cannot be met, the sewer line shall be constructed to the same specifications as the water line and be water tight until such a point where minimum separation can be met. Where gravity flow sewers cross above water lines, the sewer pipe for a distance of ten (10') feet, each side of the crossing, either shall be ductile iron pressure pipe without any joint closer than three (3') feet to the crossing, or shall be fully encased in concrete.
9. The utility CONTRACTOR shall be responsible for testing the water and sewer systems in accordance with the UTILITY STANDARDS. The CONTRACTOR shall notify the ENGINEER of the CITY OF SOUTHAVEN at least 48 hours in advance of performing any tests. Additional tests on water and sewer lines will be as required by the CITY OF SOUTHAVEN. A copy of all test results shall be faxed to BENCHMARK ENGINEERING & SURVEYING, LLC @ 601-591-0711.
10. The lengths of the sanitary sewer lines are measured from center of manhole to center of manhole.
11. Fittings for all applications of water and sewer lines shall be an absorbed cost.

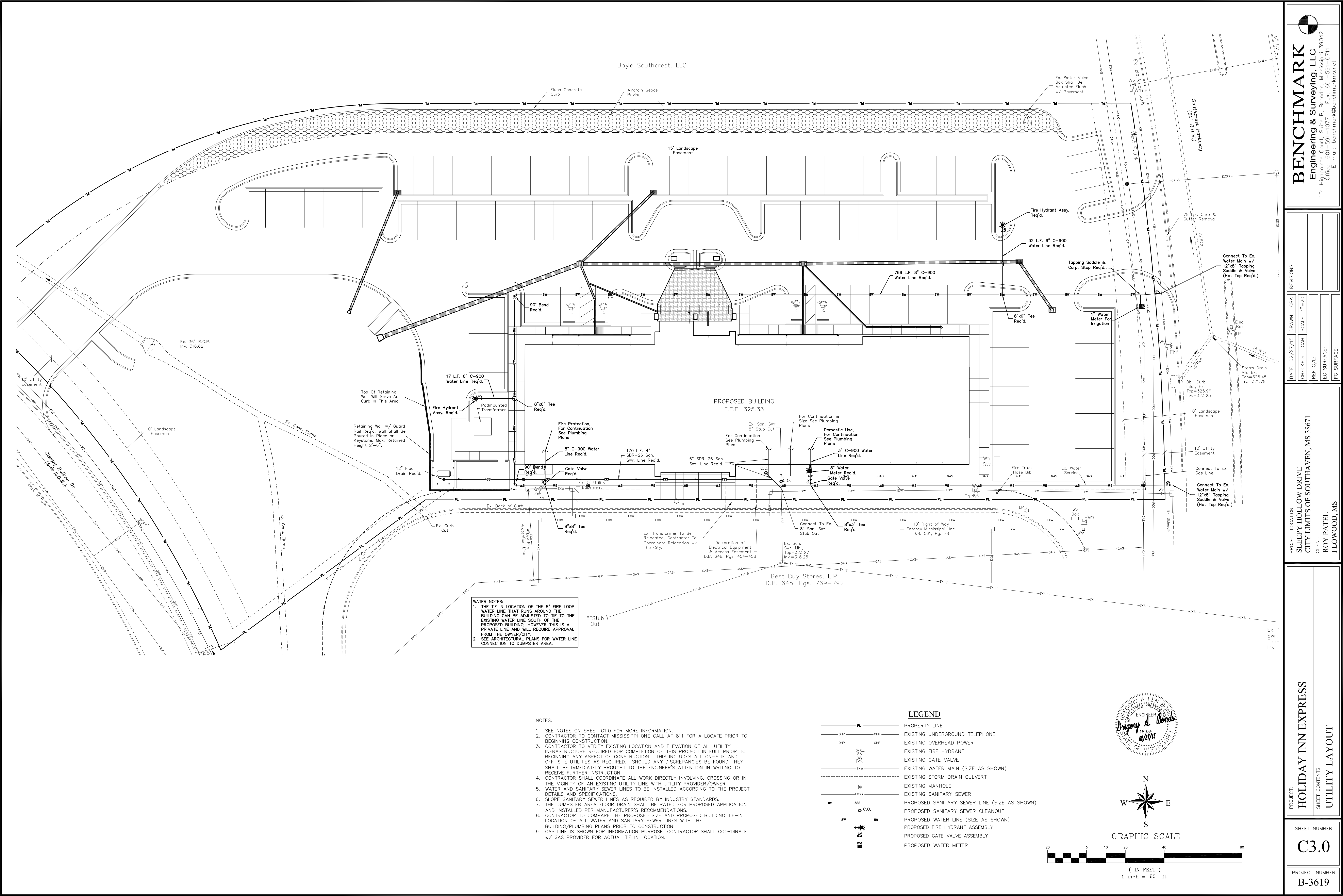
1. Technical specifications for all materials and construction methods for the storm drain construction shall be in accordance with the latest edition of MISSISSIPPI STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION or the manufacturer's recommendation.
2. Joints shall be constructed and jointed together in such a manner that no spill through of backfill will occur.
3. Any additional excavation required for installation of Bedding Material for storm drain pipe shall be included in the contract price per linear foot of storm drain pipe.
4. At the expense of the CONTRACTOR, the CONTRACTOR shall maintain existing drainage patterns and construct temporary structures, embankments and culverts as required to maintain the existing drainage system and capacity in the work area. Any and all items constructed during the progress of work that are not necessary for the final drainage system are to be removed and the area restored to its original condition.
5. Pipes under paved areas can be R.C.P. or HP pipe as manufactured by ADS.

1. Erosion and sediment control materials and installation shall be in accordance with the latest edition of MISSISSIPPI STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.
2. The CONTRACTOR shall take all necessary measures to control erosion and water pollution through the construction period. All temporary erosion control measures shall be in place before earth moving operations commence. Clearing and grubbing shall be done with care necessary to accommodate roadway slopes. Embankments and excavated areas shall be promptly stabilized to minimize erosion. Baled straw erosion checks and silt fencing shall be used along the toe of fill slopes, in ditches, and in other areas where erosion is a problem and silt laden runoff may enter a stream or adjacent property.
3. Any stockpiled soil or fill material shall be located and treated in a manner to prevent silt from entering streams. No excavated material shall be discharged into ditches. The CONTRACTOR shall dispose of all excavated material in a location approved by the ENGINEER.
4. Erosion and sediment control measures shall be continually maintained. The CONTRACTOR shall keep all streets and sidewalks adjacent to the limits of construction free of mud and debris.
5. CONTRACTOR shall comply with the erosion control requirements of the CITY OF SOUTHAVEN and the requirements of the Mississippi Department of Environmental Quality.
6. CONTRACTOR to utilize Best Management Practices for erosion and sediment control.



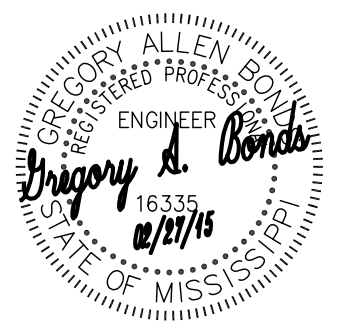
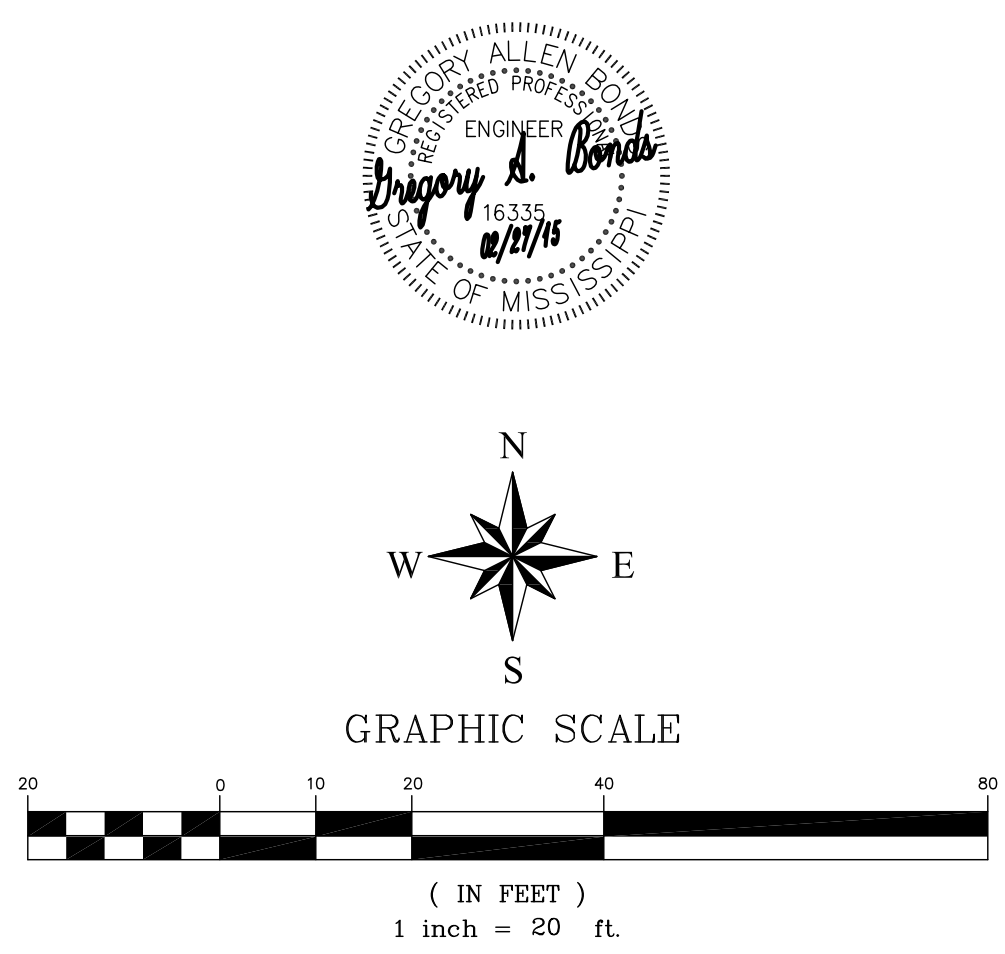






- NOTES:
- SEE NOTES ON SHEET C1.0 FOR MORE INFORMATION.
  - CONTRACTOR TO CONTACT MISSISSIPPI ONE CALL AT 811 FOR A LOCATE PRIOR TO BEGINNING CONSTRUCTION.
  - CONTRACTOR TO VERIFY EXISTING LOCATION AND ELEVATION OF ALL UTILITY INFRASTRUCTURE REQUIRED FOR COMPLETION OF THIS PROJECT IN FULL PRIOR TO BEGINNING ANY ASPECT OF CONSTRUCTION. THIS INCLUDES ALL ON-SITE AND OFF-SITE UTILITIES AS REQUIRED. SHOULD ANY DISCREPANCIES BE FOUND THEY SHALL BE IMMEDIATELY BROUGHT TO THE ENGINEER'S ATTENTION IN WRITING TO RECEIVE FURTHER INSTRUCTION.
  - CONTRACTOR SHALL COORDINATE ALL WORK DIRECTLY INVOLVING, CROSSING OR IN THE VICINITY OF AN EXISTING UTILITY LINE WITH UTILITY PROVIDER/OWNER.
  - WATER AND SANITARY SEWER LINES TO BE INSTALLED ACCORDING TO THE PROJECT DETAILS AND SPECIFICATIONS.
  - SLOPE SANITARY SEWER LINES AS REQUIRED BY INDUSTRY STANDARDS.
  - THE DUMPSTER AREA FLOOR DRAIN SHALL BE RATED FOR PROPOSED APPLICATION AND INSTALLED PER MANUFACTURER'S RECOMMENDATIONS.
  - CONTRACTOR TO COMPARE THE PROPOSED SIZE AND PROPOSED BUILDING TIE-IN LOCATION OF ALL WATER AND SANITARY SEWER LINES WITH THE BUILDING/PLUMBING PLANS PRIOR TO CONSTRUCTION.
  - GAS LINE IS SHOWN FOR INFORMATION PURPOSE. CONTRACTOR SHALL COORDINATE w/ GAS PROVIDER FOR ACTUAL TIE IN LOCATION.

LEGEND	
	PROPERTY LINE
	EXISTING UNDERGROUND TELEPHONE
	EXISTING OVERHEAD POWER
	EXISTING FIRE HYDRANT
	EXISTING GATE VALVE
	EXISTING WATER MAIN (SIZE AS SHOWN)
	EXISTING STORM DRAIN CULVERT
	EXISTING MANHOLE
	EXISTING SANITARY SEWER
	PROPOSED SANITARY SEWER LINE (SIZE AS SHOWN)
	PROPOSED SANITARY SEWER CLEANOUT
	PROPOSED WATER LINE (SIZE AS SHOWN)
	PROPOSED FIRE HYDRANT ASSEMBLY
	PROPOSED GATE VALVE ASSEMBLY
	PROPOSED WATER METER



**BENCHMARK**

Engineering & Surveying, LLC

101 Highpointe Court, Suite B, Brandon, Mississippi 39042

Office: 601-391-0707 Fax: 601-391-0711

E-mail: [Benchmark@benchmarkms.net](mailto:Benchmark@benchmarkms.net)

DATE: 02/27/15

CHECKED: GAB

EG SURFACE:

FG SURFACE:

REVISIONS:

DRAWN: CBA

SCALE: 1"=20'

PROJECT LOCATION:

SLEEPY HOLLOW DRIVE

CITY LIMITS OF SOUTHAVEN, MS 38671

CLIENT:

ROY PATEL

FLOWOOD, MS

PROJECT:

HOLIDAY INN EXPRESS

SHEET CONTENTS:

UTILITY LAYOUT

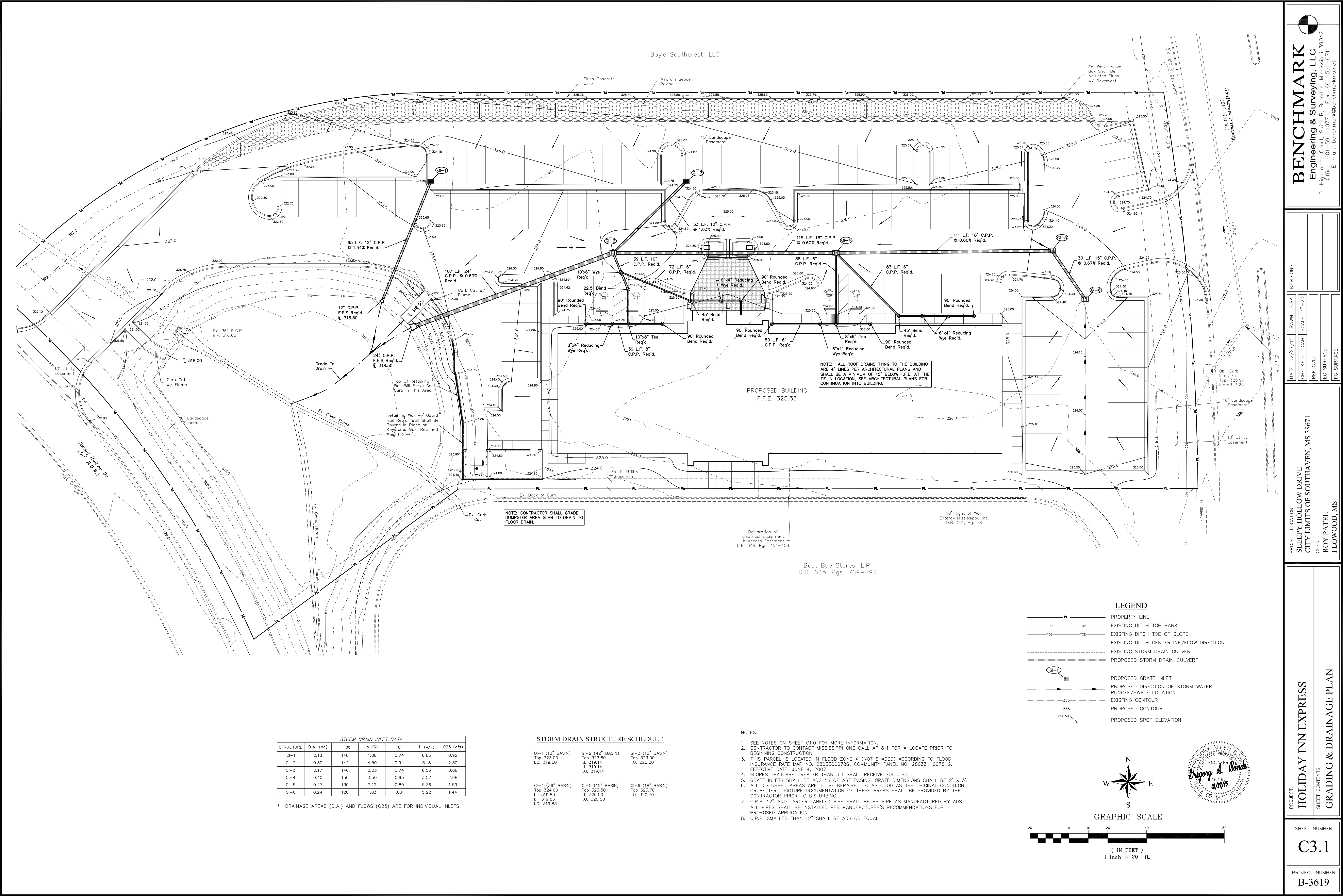
SHEET NUMBER

C3.0

PROJECT NUMBER

B-3619





STORM DRAIN INLET DATA					
STRUCTURE	D.A. (ac)	H <sub>i</sub> (m)	s (%)	C	Q25 (cfs)
CI-1	0.18	148	1.86	0.74	6.85
CI-2	0.30	142	4.50	0.94	3.18
CI-3	0.17	146	2.23	0.74	6.56
CI-4	0.40	150	3.50	0.93	3.52
CI-5	0.27	130	2.12	0.80	5.36
CI-6	0.24	120	1.83	0.81	5.22

\* DRAINAGE AREAS (D.A.) AND FLOWS (Q25) ARE FOR INDIVIDUAL INLETS

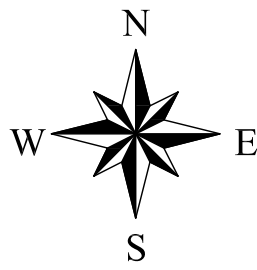
STORM DRAIN STRUCTURE SCHEDULE

GI-1 (12" BASIN) Top 323.00 I.O. 319.50	GI-2 (42" BASIN) Top 323.80 I.I. 319.14 I.O. 319.14	GI-3 (12" BASIN) Top 323.00 I.O. 320.00
GI-4 (36" BASIN) Top 324.00 I.I. 319.83 I.O. 319.83	GI-5 (18" BASIN) Top 323.50 I.O. 320.50	GI-6 (18" BASIN) Top 323.70 I.O. 320.70

- NOTES:
- SEE NOTES ON SHEET C1.0 FOR MORE INFORMATION.
  - CONTRACTOR TO CONTACT MISSISSIPPI ONE CALL AT 811 FOR A LOCATE PRIOR TO BEGINNING CONSTRUCTION.
  - THIS PARCEL IS LOCATED IN FLOOD ZONE X (NOT SHADED) ACCORDING TO FLOOD INSURANCE RATE MAP NO. 28033C00786, COMMUNITY PANEL NO. 280331 0078 G, EFFECTIVE DATE: JUNE 4, 2007.
  - SLOPES THAT ARE GREATER THAN 3:1 SHALL RECEIVE SOLID SOD.
  - GRATE INLETS SHALL BE ADS NYLOPLAST BASINS. GRATE DIMENSIONS SHALL BE 2' X 3'.
  - ALL DISTURBED AREAS ARE TO BE REPAIRED TO AS GOOD AS THE ORIGINAL CONDITION OR BETTER. PICTURE DOCUMENTATION OF THESE AREAS SHALL BE PROVIDED BY THE CONTRACTOR PRIOR TO DISTURBING.
  - C.P.P. 12" AND LARGER LABELED PIPE SHALL BE HP PIPE AS MANUFACTURED BY ADS. ALL PIPES SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS FOR PROPOSED APPLICATION.
  - C.P.P. SMALLER THAN 12" SHALL BE ADS OR EQUAL.

LEGEND

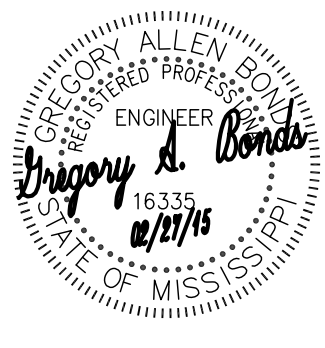
- PROPERTY LINE
- EXISTING DITCH TOP BANK
- EXISTING DITCH TOE OF SLOPE
- EXISTING DITCH CENTERLINE/FLOW DIRECTION
- EXISTING STORM DRAIN CULVERT
- PROPOSED STORM DRAIN CULVERT
- PROPOSED GRATE INLET
- PROPOSED DIRECTION OF STORM WATER RUNOFF/SWALE LOCATION
- EXISTING CONTOUR
- PROPOSED CONTOUR
- PROPOSED SPOT ELEVATION



GRAPHIC SCALE



( IN FEET )  
1 inch = 20 ft.



**BENCHMARK**  
Engineering & Surveying, LLC  
101 Highpointe Court, Suite B, Brandon, Mississippi 39042  
Office: 601-391-0707 Fax: 601-391-0711  
E-mail: [Benchmark@benchmarkms.net](mailto:Benchmark@benchmarkms.net)

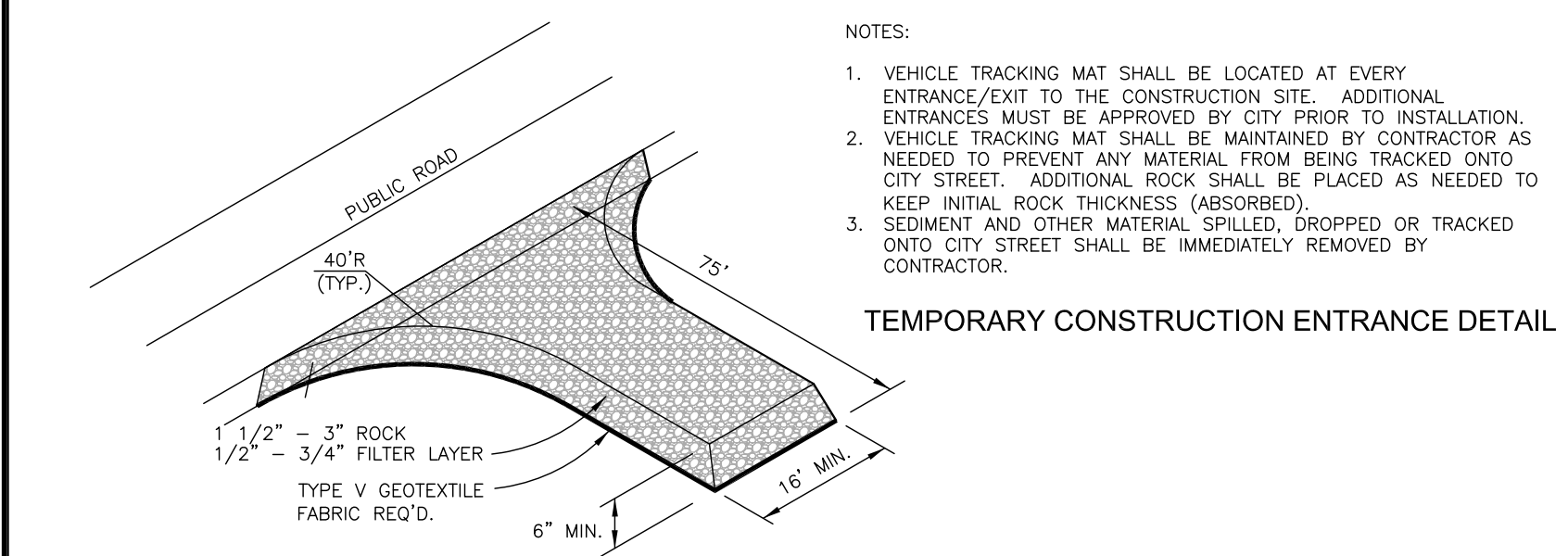
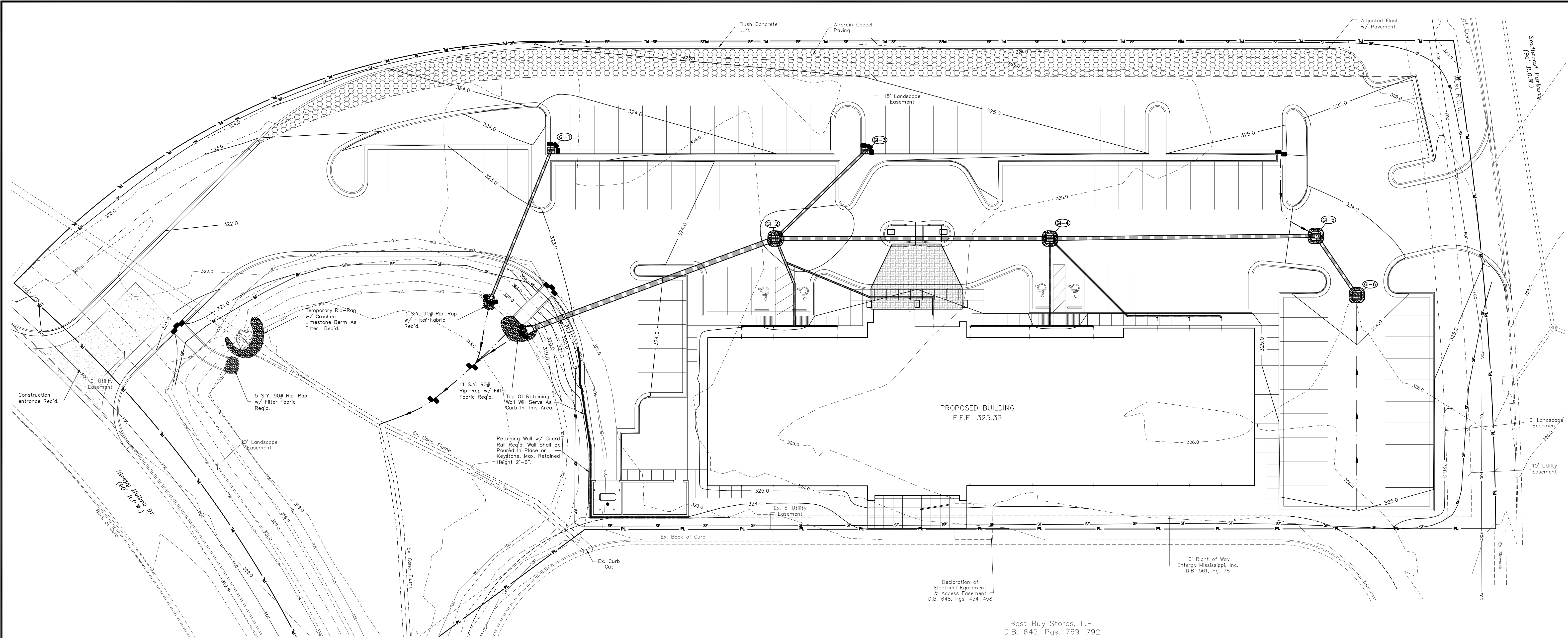
REVISIONS:  
DATE: 02/27/15 DRAWN: CBA  
CHECKED: GAB SCALE: 1"=20'  
REF C/L:  
EG SURFACE:  
FG SURFACE:

PROJECT LOCATION:  
SLEEPY HOLLOW DRIVE  
CITY LIMITS OF SOUTHAVEN, MS 38671  
CLIENT:  
ROY PATEL  
FLOWOOD, MS

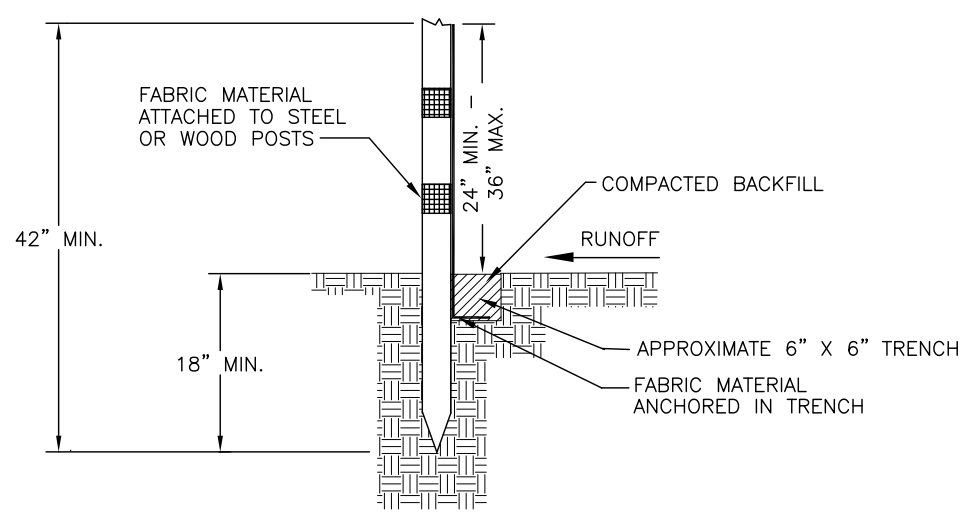
PROJECT:  
HOLIDAY INN EXPRESS  
SHEET CONTENTS:  
GRADING & DRAINAGE PLAN

SHEET NUMBER  
C3.1

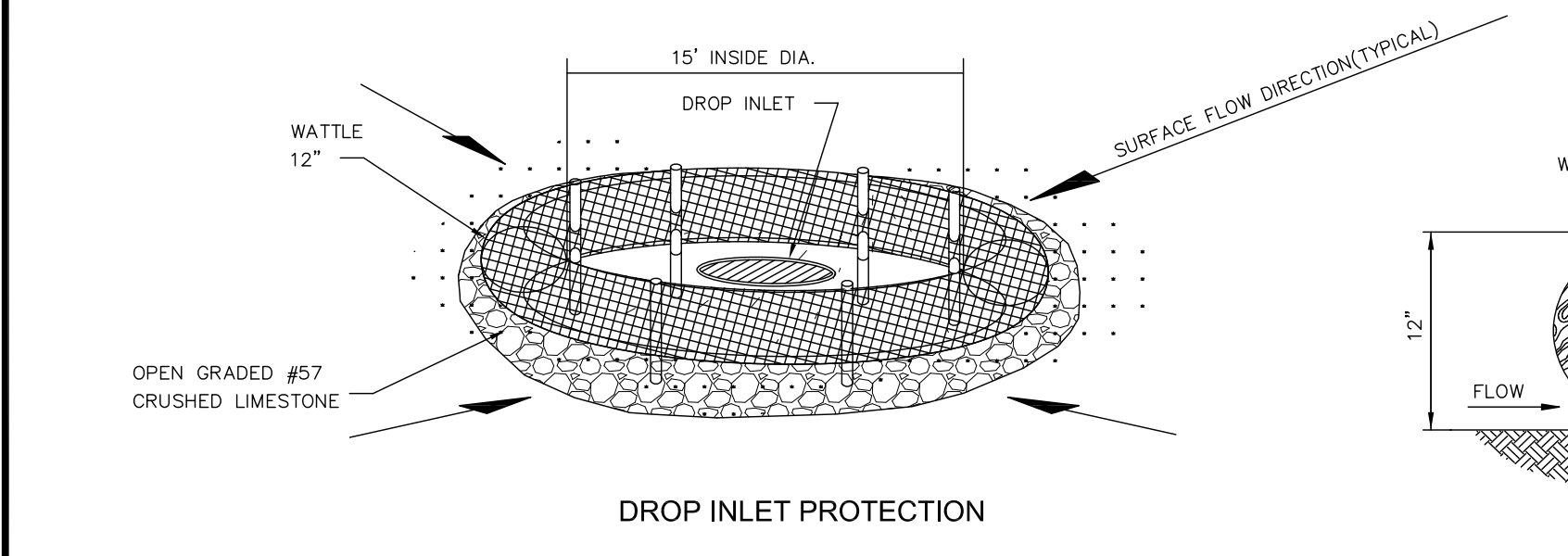
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B-3619



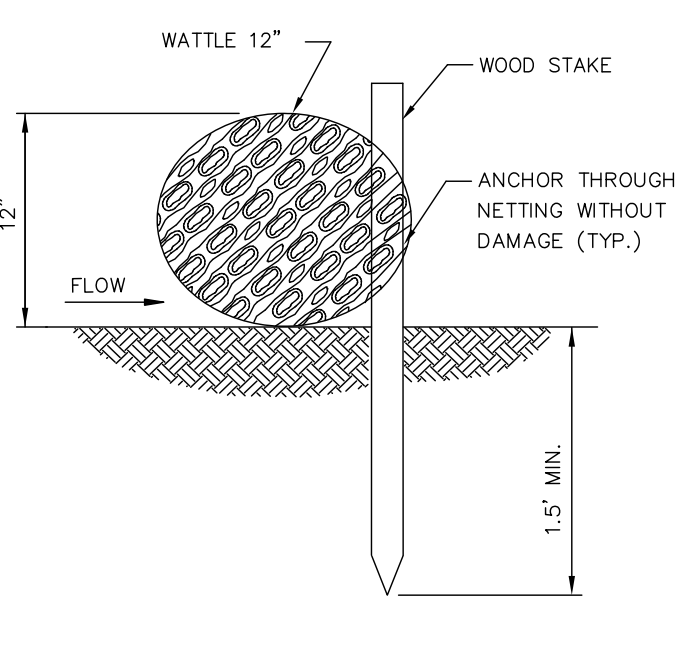
- NOTES:
1. VEHICLE TRACKING MAT SHALL BE LOCATED AT EVERY ENTRANCE/EXIT TO THE CONSTRUCTION SITE. ADDITIONAL ENTRANCES MUST BE APPROVED BY CITY PRIOR TO INSTALLATION.
  2. VEHICLE TRACKING MAT SHALL BE MAINTAINED BY CONTRACTOR AS NEEDED TO PREVENT ANY MATERIAL FROM BEING TRACKED ONTO CITY STREET. ADDITIONAL ROCK SHALL BE PLACED AS NEEDED TO KEEP INITIAL ROCK THICKNESS (ABSORBED).
  3. SEDIMENT AND OTHER MATERIAL SPILLED, DROPPED OR TRACKED ONTO CITY STREET SHALL BE IMMEDIATELY REMOVED BY CONTRACTOR.



- NOTES:
1. GEOTEXTILE FABRIC SHALL BE A MINIMUM OF 36" IN WIDTH. STEEL POSTS SHALL BE 5' IN HEIGHT AND OF THE SELF FASTENER ANGLE STEEL TYPE.
  2. WOOD POSTS SHALL BE A MINIMUM OF 5' IN HEIGHT AND 4" OR MORE IN DIAMETER AND SPACED AT 10' CENTERS.
  3. WOODEN STAKES SHALL BE A MINIMUM OF 3' IN HEIGHT AND 1" x 2" AND SHALL BE USED AS NEEDED IN BETWEEN WOODEN POSTS BUT SPACED NO MORE THAN 3' APART AND DRIVEN 8" INTO GROUND.
  4. FENCE SHALL BE FASTENED WITH NOT LESS THAN 9 GAGE STAPLES 1" LONG FOR WOODEN POSTS AND 3/4" FOR WOODEN STAKES.
  5. ALLOW A 6" OVERLAP OF FABRIC AT JOINTS.



- NOTES:
1. ANCHORING STAKES SHALL BE SIZED, SPACED, AND BE OF A MATERIAL THAT EFFECTIVELY SECURES THE WATTLE. STAKE SPACING SHALL BE A MAXIMUM OF THREE FEET.
  2. OVERLAP ENDS OF WATTLES PER MANUFACTURERS RECOMMENDATIONS (1"MIN., 3"MAX.).
  3. TRENCHING OF WATTLES MAY BE NECESSARY IF PIPING BECOMES EVIDENT.



- EROSION CONTROL NOTES:
1. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FILL OUT A SMALL CONSTRUCTION NOTICE OF INTENT (SCNOI). A COPY OF THE SCNOI MUST BE KEPT READILY AVAILABLE AT THE JOB SITE. ALL REQUIREMENTS OF THE SCNOI ARE THE CONTRACTOR'S RESPONSIBILITY INCLUDING BUT NOT LIMITED TO ALL REQUIRED INSPECTIONS, WEEKLY REPORTS AND MAINTENANCE OF THE SITE.
  2. EROSION AND SEDIMENT CONTROL MEASURES ARE TO BE IMPLEMENTED PRIOR TO STARTING ANY CONSTRUCTION ACTIVITIES THAT DISTURB EXISTING GROUND.
  3. CONTRACTOR IS TO EVALUATE ALL STORM WATER MANAGEMENT CONTROLS A MINIMUM OF ONCE PER WEEK AND AFTER RAINFALL EVENTS TO DETERMINE EFFECTIVENESS OF THE EROSION AND SILTATION CONTROL MEASURES. ADDITIONAL MEASURES TO BE INSTALLED AS NEEDED TO CONTROL SEDIMENT (ABSORBED). INSPECTION REPORTS TO BE FILLED OUT ONCE PER WEEK NOTING ALL ACTIONS (IF ANY) REQUIRED.
  4. IT IS THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN AND REPAIR ALL TEMPORARY EROSION CONTROL MEASURES THROUGHOUT CONSTRUCTION. NO SEPARATE PAYMENT SHALL BE MADE FOR MAINTENANCE OR REPLACEMENT OF ANY TEMPORARY EROSION CONTROL MEASURES.
  5. TEMPORARY EROSION CONTROL MEASURES DEPICTED ON THIS DRAWING ARE MINIMUM REQUIREMENTS TO BE UTILIZED IN DEVELOPMENT OF THE SITE-SPECIFIC STORMWATER POLLUTION PREVENTION PLAN AND ARE NOT MEANT TO ADDRESS ALL OF THE REQUIREMENTS OF THE CONSTRUCTION GENERAL PERMIT.
  6. IT IS THE INTENT OF THE SPECIFICATIONS THAT THE WORK SHALL PROCEED IN A MANNER AND SEQUENCE TO ENSURE THAT ESTABLISHMENT OF PERMANENT EROSION CONTROL ITEMS ARE ACCOMPLISHED IMMEDIATELY AFTER FINISH GRADING.
  7. EFFECTIVE USE OF TEMPORARY MEASURES, INCLUDING TEMPORARY SEEDING, SHALL BE MADE SO AS TO PREVENT OR MINIMIZE EROSION AND SILTATION UNTIL PERMANENT MEASURES ARE ESTABLISHED.
  8. CONTRACTOR TO CONTACT MISSISSIPPI ONE CALL @ 811 AT LEAST 48 HOURS BEFORE IMPROVEMENTS ARE MADE.
  9. CONTRACTOR SHALL BE REQUIRED TO FURNISH ALL MATERIALS AND PERFORM ALL WORK FOR THE PROPER INSTALLATION, MAINTENANCE, AND REMOVAL OF TEMPORARY EROSION CONTROL MEASURES TO CONTROL SILTATION.
  10. SEE THE EROSION CONTROL DETAIL SHEET FOR MORE DETAIL ON THE INSTALLATION OF THE REQUIRED EROSION CONTROL MEASURES.
  11. ONCE THE PERMANENT EROSION CONTROL MEASURES ARE IN PLACE A FINAL SITE INSPECTION IS TO BE COORDINATED BY THE CONTRACTOR WITH THE ENGINEER AND THE OWNER. ONCE SITE MEETS ALL PARTIES SPECIFICATIONS THE CONTRACTOR WITH BE RELIEVED OF THE RESPONSIBILITIES OF THIS CONTRACT.
  12. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT THE EROSION CONTROL MEASURES SHOULD, TO THE EXTENT PRACTICABLE:
    - A. DIVERT UP-SLOPE WATER AROUND DISTURBED AREAS OF THE SITE
    - B. LIMIT THE EXPOSURE OF DISTURBED AREAS TO THE SHORTEST AMOUNT OF TIME POSSIBLE
    - C. MINIMIZE THE AMOUNT OF SURFACE AREA THAT MUST BE DISTURBED
    - D. IMPLEMENT BEST MANAGEMENT PRACTICES TO MITIGATE ADVERSE IMPACTS FROM STORM WATER RUNOFF
    - E. REMOVE SEDIMENT THAT WOULD CONTRIBUTE TO OR CAUSE ADVERSE IMPACTS TO STATE WATERS FROM STORM WATER BEFORE IT LEAVES THE SITE

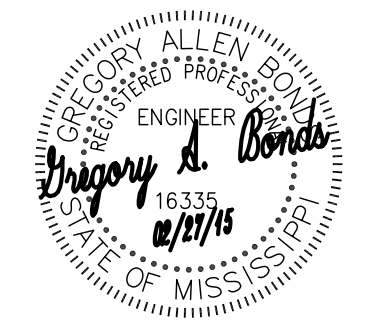
**LEGEND**

- PROPERTY LINE
- DRAINAGE SWALE REQ'D.
- SILT FENCE REQ'D.
- HAY BALES OR WATTLE REQ'D.
- GRATE INLET PROTECTION REQ'D. (WATTLES OR HAY BALES)

**GRAPHIC SCALE**

( IN FEET )  
1 inch = 20 ft.

**North Arrow**



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DATE: 02/27/15	DRAWN: CBA
CHECKED: GAB	SCALE: 1"=20'
REF C/L:	EG SURFACE:
FG SURFACE:	
PROJECT LOCATION: SLEEPY HOLLOW DRIVE CITY LIMITS OF SOUTHAVEN, MS 38671	
CLIENT: ROY PATEL FLOWOOD, MS	
PROJECT: HOLIDAY INN EXPRESS	
SHEET CONTENTS: EROSION CONTROL LAYOUT	
SHEET NUMBER C3.2	
PROJECT NUMBER B-3619	





1. PIPE EMBEDMENT MATERIALS SHALL COMPLY WITH REQUIREMENTS OF SPECIFICATIONS.
2. FINAL BACKFILL SHALL BE NATIVE MATERIAL IN OPEN AREAS UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
3. PIPE BACKFILL SHALL BE SELECT MATERIAL IN ALL TRENCHES CONSTRUCTED UNDER ROADWAYS, CURBED OR PAVED AREAS. MATERIAL SHALL EXTEND 5' BEYOND THE EDGE OF PAVING STRUCTURE(S).
4. DRAIN SETTLEMENT RATES SHALL BE THE CONTRACTOR'S RESPONSIBILITY DURING WARRANTY PERIOD.
5. SELECT BEDDING MATERIAL FOR PIPE EMBEDMENT WHICH CONSISTS OF BEDDING, HAUNCHING AND INITIAL BACKFILL SHALL BE ASSURED IN THE PER FOOT COST OF THE PIPE.
6. UNDERCUT EXCAVATION MAY BE REQUIRED IF MATERIAL AT PLANNED GRADE WILL NOT PROVIDE STABLE TRENCH BOTTOM FOR PIPE LAYING.
7. ALL UNCOLLECTED MATERIAL DURING EXCAVATION WILL BE PLACED AS DIRECTED BY THE ENGINEER AND PAID FOR BY THE CUBIC YARD AS NOTED ON THE BID SCHEDULE.

## TYPICAL TRENCH DETAIL FOR WATER AND SEWER LINES

