

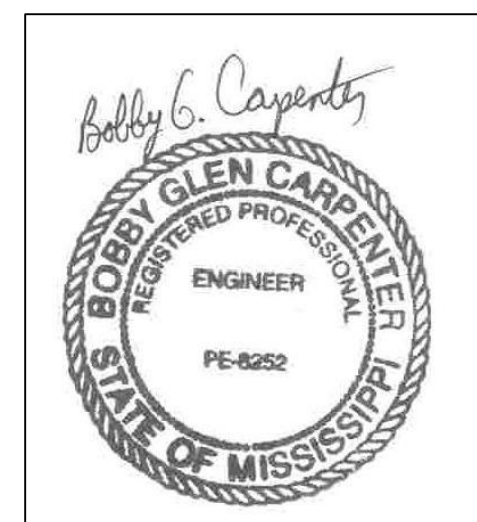
CIVIL SITE CONSTRUCTION PLANS FOR FAIRFIELD INN & SUITES HOTEL CYPRESS CENTRE DRIVE CITY OF VICKSBURG WARREN COUNTY, MISSISSIPPI

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CIVIL SITE DRAWING SET DATE - DECEMBER 4, 2013

REVIEW PLANS - NOT FOR CONSTRUCTION



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OWNER/PROJECT DEVELOPER:
 MY Investments, LLC
 P.O. Box 822379
 Vicksburg, MS 39182

CIVIL SITE CONSTRUCTION NOTES (SITE PREPARATION, GRADING, DRAINAGE, & UTILITY NOTES):

1. Final locations and elevations of facilities and utilities shall be verified and marked in the field, and approved by the owner, prior to beginning construction.

2. Finished grades and ground surfaces shall be uniform, without depressions or dips, and sloped to drain freely away from buildings (future and existing), and drain freely to the drives, drainage ditches, and storm sewer catch basins/ inlets. Maximum grade on all fill and cut slopes shall be 1 vertical on 3 horizontal (1 V. On 3 H.), unless otherwise shown.

3. All finished elevations are relative to the existing ground surface elevations shown on the drawings. Final elevations shall be verified in the field prior to beginning construction.

4. Contractor shall take care to avoid damaging existing utilities, construction, roadways, etc., and will be responsible for the repair or replacement (including expense, unless otherwise approved in writing by owner prior to begin of construction of the items damaged as a result of his construction activities). All existing utilities are not shown on the drawings. Contractor shall contact Telephone, Electrical Power, Water, Sewer, Cable TV, Natural Gas and other appropriate utilities to field locate and mark the exact location of existing utilities prior to beginning work in the area.

5. Design and locations of parking area, drainage, and utilities have been based upon available survey data and information. Final layout shall be approved in field by Owner/Developer (and/or their Representatives). Contractor should obtain the services of a Professional Surveyor (Licensed in State of Mississippi) for location and marking of building corners, parking area, and utilities prior to begin of construction work. The exact building dimensions shall be verified from the Project Architect's construction plans prior to staking of building corners.

6. Clearing shall consist of removal and offsite disposal (or approved burning) of all trees (including roots, brush, vines, and other debris from the area to receive Compacted Fill. Grubbing shall consist of removal and offsite disposal (or onsite disposal in area approved by owner) of all grass and topsoil to minimum depth of 6 inches, and all roots larger than 1 inch in diameter.

7. Compacted Fill shall be placed and compacted as specified below. All Fill Material shall be free of roots, trash, stones, organic, concrete, and other objectionable material. Maximum Cut, Fill, and Graded Slopes shall be 1 ft. Vertical on 3 ft. Horizontal.

a. Compacted Fill Materials: Compacted fill material shall be native silty clay (CL), non-expansive clays, or sandy clay soils as defined by the Uniform Soil Classification System, and as approved by a Geotechnical Engineer (licensed in State of Mississippi). Some drying(or wetting) of fill materials may be required to meet compaction requirements. Compacted fill materials shall be a soil free of roots, construction debris, organic matter or any other type deleterious matter. Compacted materials shall have a liquid limit less than 45 and a plasticity index of less than 25.

b. Compacted Fill Placement/Compaction: The Compacted Fill should be placed in horizontal loose lifts graded to provide a uniform thickness not exceeding nine inches. The surface of each preceding, compacted lift shall be lightly scarified to ensure adequate bonding between lifts. The moisture content during compaction shall be maintained within 3 percent of its optimum as determined by the standard Proctor compaction test (ASTM D 698). The minimum compaction requirements shall be a function of the future use of the area. These requirements are as follows:

(1) Compacted Fill/Compacted Subgrade: (Compacted fill, Finished Subgrade, & Utility Trench Compacted Backfill) beneath parking, drive, & sidewalk areas) Shall be compacted to at least 95 percent of its maximum density as determined by the standard Proctor compaction test (ASTM D 698), and as specified in the "Geotechnical Engineering Report" prepared by Terracon Consultants, Inc., Ridgeland, MS (phone: 601-956-4467).

(2) Compacted Structural Fill/Compacted Subgrade beneath Building: Subgrade area underlying Building Foundation shall be prepared and compacted as specified in "Geotechnical Engineering Report" prepared by Terracon Consultants, Inc.)5 feet (minimum) beyond perimeter of building slab.

An additional acceptance criterion shall be the absence of pumping. If pumping of the fill material is observed during placement or compaction, the pumping shall be mitigated by over excavation and refilling, reprocessing to remove moisture, modification with lime or cement admixture or using geotextiles. In the event such mitigation is required, a Mississippi licensed engineer should recommend the procedure.

Special care should be taken when compacting fill material against or in close proximity to structures. The contractor shall be prepared to utilize hand compaction efforts to assure to assure proper bonding against the structure while avoiding the construction of a weak zone of fill materials. Additionally, each lift of fill material for the embankment shall be placed horizontally beginning at the base of the fill. Further, each lift of the embankment fill material shall be benched in to the naturally deposited soils to create an irregular(or stair-step) interface between the new fill and the naturally deposited sloping soil.

8. All contractors responsible for the spreading and compaction of fill materials, parking area and building subgrade preparation, and construction of utility trenches across paved areas should obtain the services of a geotechnical testing firm (under the supervision of a Professional Engineer licensed to practice in the State of Mississippi) to accomplish the following:

a. Perform representative laboratory compaction tests (modified Proctor method).

b. Perform representative compaction (moisture-density) testing of fill materials at site using nuclear density gauge.

d. Provide one written copy of all test results and written reports to Owner.

9. All site work activities are to be accomplished, and storm water control structures and measures are to be implemented and maintained in accordance with City of Vicksburg requirements. Temporary Silt Fencing shall be installed/maintained as required to prevent silt from leaving property boundaries or entering ditches and storm sewer. A permanent grass cover shall be established on all areas not covered by pavement or structures.

10. All construction work and activities shall conform to City of Vicksburg Building Codes, Ordinances, and Regulations. Prior to beginning construction activities, the Project Owner/Developer (or Contractor) shall obtain a City of Vicksburg issued Building Permit.

11. All HDPE Storm Sewer (SS) Pipe and Fittings shall be Corrugated Polyethylene Pipe, Type S, conforming to AASHTO M294 "Standard Specification for Corrugated Polyethylene Pipe", size as shown on the drawing. All joints shall be installed watertight with flexible elastomeric gaskets & seals. Compaction of backfill shall conform to the construction notes above.

12. Connect all Hotel Roof Downspouts to existing or new storm sewer system (or drain to existing drainage ditch, as applicable) via installation of 6-inch (Sch 40 PVC or HDPE, with watertight joints at 1/2 min. slope from connection or roof downspouts to connection to storm sewer system (connect to storm sewer piping with sanitary wye fittings, or to drain basins (as applicable).

SYMBOL/ACRONYM LEGEND

FFE = FINISHED FLOOR ELEVATION
FGE = FINISHED GRADE ELEVATION
TCFGE = TOP OF CURB FGE
TPFGE = TOP OF PAVEMENT FGE
TWFGF - TOP OF RETAINING WALL FGE
GFGE = TOP OF GROUND FGE
TFFGE = TOP OF FLOOR FGE
SS = STORM SEWER
BOC = BACK OF CURB (BACK TOP EDGE OF CURB)

6" CC = 6" HIGH CONCRETE CURB (SEE DETAILS FOR CONSTRUCTION OF CURB INTEGRAL WITH CONCRETE PAVEMENT) (TYPICAL, UNLESS SHOWN OTHERWISE)

CD = CLEANDUT
EGE = EXISTING GROUND OR GRADE ELEVATION

INV = PIPE, CATCH BASIN, OR CURB INLET BOTTOM INVERT ELEVATION (AS APPLICABLE)

MS = MATCH ADJACENT SURFACE ELEVATIONS (FGE & EGE)
TYP = TYPICAL

EOP = EDGE OF PAVEMENT
R = RADIUS AT BACK OF CURB (BOC)
R.O.W. = RIGHT OF WAY

EOP = EDGE OF EXISTING PAVEMENT
EW = EXISTING WATERLINE
MDDT = MISSISSIPPI DEPARTMENT OF TRANSPORTATION

V = VERIFY EXACT LOCATION, DEPTH, AND CONDITIONS IN-THE-FIELD PRIOR TO BEGIN OF CONSTRUCTION

FEATURE LEGEND (CONTINUED):

30 CONSTRUCT CONCRETE CATCH BASIN (with heavy traffic grate) IN EXISTING HDPE STORM SEWER (location as shown on plan). CONSTRUCTION REQUIREMENTS SHALL CONFORM TO THOSE SHOWN ON "CIVIL SITE DETAILS" DRAWING. COMPACTION OF BACKFILL SHALL CONFORM TO THE CONSTRUCTION NOTES.

31 CONNECT NEW SANITARY GRAVITY SEWER TO EXISTING SANITARY SEWER MANHOLE (construct core-drilled opening (if required) in existing manhole (minimum size as req'd) and connect new gravity sewer pipe to existing manhole with link-seal connection (for watertight connection). FINAL CONNECTION REQUIREMENTS TO BE AS APPROVED IN-THE-FIELD BY SEWER UTILITY OWNER. COMPACTION OF BACKFILL SHALL CONFORM TO THE CONSTRUCTION NOTES.

32 INSTALL STORM SEWER (SS) (size as shown on Plan Drawing, either Sch. 40 PVC, SDR 26 PVC, or HDPE, with watertight joints) AT 1 1/2 MINIMUM SLOPE TO DRAIN TO DRAIN BASINS/CATCH BASINS/CURB INLETS), AS SHOWN ON THE PLAN. FINAL ALIGNMENT TO BE APPROVED BY OWNER. COMPACTION OF BACKFILL SHALL CONFORM TO THE CONSTRUCTION NOTES.

33 CONSTRUCT ADA COMPLIANT RAMP (same construction requirements as shown for sidewalks). COMPACTION OF BACKFILL SHALL CONFORM TO THE CONSTRUCTION NOTES.

34 INSTALL 8" SANITARY GRAVITY SEWER (GS) (SCH 40 or SDR 26 PVC) AT 1% MINIMUM SLOPE FROM NEW MANHOLE TO CONNECTION TO EXISTING MANHOLE. PORTION OF GS INSTALLED UNDERNEATH EXISTING CONCRETE DRIVEWAY TO BE INSTALLED VIA ROAD BORE & INSTALLATION INSIDE 12-INCH STEEL CASING (length of casing to be as required to extend 5 ft. beyond each side of driveway). COMPACTION OF BACKFILL SHALL CONFORM TO THE CONSTRUCTION NOTES.

36 EXISTING DRAINAGE DITCH (approximate location shown).

37 CONSTRUCT 1 FT. WIDE (min.) COMPACTED FILL EARTHEN BERM BEHIND CONCRETE CURB (or concrete slab, as applicable). TOP OF BERM TO MATCH TOP OF CURB/CONCRETE SLAB ELEVATION. CONSTRUCT COMPACTED FILL SLOPE (at 1 ft. vertical to 3 ft. horizontal maximum slope) FROM EDGE OF BERM TO EXISTING GROUND SURFACES. COMPACTION OF BACKFILL SHALL CONFORM TO THE CONSTRUCTION NOTES. PERMANENT GRASS COVER TO BE ESTABLISHED ON ALL EARTHEN BERM & SLOPES.

38 INSTALL FENCE. FINAL LOCATION & CONSTRUCTION REQUIREMENTS TO BE AS APPROVED BY OWNER. FENCE STYLE (e.g., fence type and color) TO AS APPROVED BY OWNER & CITY OF VICKSBURG.

39 CONSTRUCT CONCRETE STEPS (same construction requirements as shown for concrete sidewalks). COMPACTION OF BACKFILL SHALL CONFORM TO THE CONSTRUCTION NOTES.

41 INSTALL 18-INCH NYLOPLAST (www.nyloplast-us.com) PVC DRAIN BASIN WITH DUCTILE IRON GRATED TOP (rated for H-10 loading in non-traffic areas; rated for H-25 loading in vehicular traffic areas) IN SS (final location as approved by Owner & top elevation to permit free drainage to catch basin). ALL JOINTS IN SS & CONNECTIONS TO DRAIN BASINS) TO BE INSTALLED WATERTIGHT. COMPACTION OF BACKFILL SHALL CONFORM TO THE CONSTRUCTION NOTES.

42 INSTALL 12-INCH DIAMETER STORM SEWER (SS) (either Sch. 40 PVC or HDPE, with watertight joints) AT 1% MINIMUM SLOPE TO DRAIN TO CATCH/DRAIN BASINS), AS SHOWN ON THE PLAN. FINAL ALIGNMENT TO BE APPROVED BY OWNER. CONNECT ALL HOTEL ROOF DOWNSPOUTS TO 12-INCH SS VIA INSTALLATION OF 6-INCH SS (Sch. 40 PVC, SDR 26 PVC, or HDPE, with watertight joints at 1% min. slope) FROM CONNECTION TO OUTLET ENDS OF ROOF DOWNSPOUTS TO CONNECTION TO 12" SS (connect to 12" SS with 12"x12"x6" sanitary wye fittings (Sch 40 PVC or HDPE)). COMPACTION OF BACKFILL SHALL CONFORM TO THE CONSTRUCTION NOTES.

FEATURE LEGEND

1 CONSTRUCT CONCRETE PAVEMENT (REGULAR TRAFFIC). CONSTRUCT INTEGRAL 6" HIGH CONCRETE CURB WHERE SHOWN. SEE CIVIL SITE DETAILS.

2 CONSTRUCT CONCRETE PAVEMENT (HEAVY TRAFFIC). CONSTRUCT INTEGRAL 6" HIGH CONCRETE CURB WHERE SHOWN. SEE CIVIL SITE DETAILS.

3 GRASSED (Hybrid Bermuda Grass) AND/OR LANDSCAPED AREA AS APPROVED BY OWNER & CITY OF VICKSBURG.

4 TRASH DUMPSTER AREA (as shown on Architectural Plans or as Approved by Owner). CONSTRUCT CITY OF VICKSBURG COMPLIANT ENCLOSURE AROUND DUMPSTER, AND AS APPROVED BY OWNER. CONSTRUCT CONCRETE PAD (same construction requirements as "Heavy Traffic" Concrete Pavement). SLOPE TO DRAIN TO DRIVE.

5 CONSTRUCT CONCRETE SIDEWALK WITH INTEGRAL CONCRETE CURB (5 FT. WIDTH, OR AS OTHERWISE SHOWN ON PLANS). TOP OF SIDEWALK SHALL BE SLOPED AT 2% (OR 0.1 FT., OR AS SHOWN ON PLAN) SLOPE AWAY FROM BUILDING. SEE CIVIL SITE DETAILS

6 CONSTRUCT CONCRETE SIDEWALK (5 FT. WIDTH, OR AS OTHERWISE SHOWN ON PLANS). TOP OF SIDEWALK SHALL BE SLOPED AT 2% (OR 0.1 FT., OR AS SHOWN ON PLAN) SLOPE AWAY FROM BUILDING. SEE CIVIL SITE DETAILS

7 SWIMMING POOL AREA (Dimensions & Details as shown on Architectural Plans or as Approved by Owner). SLOPE TO DRAIN AWAY FROM BUILDING.

8 GRADE INTERNAL DRIVES AND PARKING AREAS (where indicated) TO DRAIN TO DRIVE CENTERLINES, AND TO INLETS/CATCH BASINS AS SHOWN.

9 CONSTRUCT CONCRETE SIDEWALK TRANSITION (ADA compliant, same construction requirements as shown for concrete sidewalks) BETWEEN STANDARD CONCRETE SIDEWALK (SEE NOTE NO. 6) & CONCRETE SIDEWALK WITH INTEGRAL CURB (SEE NOTE NO. 5).

10 INSTALL 6" WATERLINE (AWWA C900 PVC WITH 3 FT. MINIMUM COVER) WITH COPPER LOCATOR WIRE (12 GAUGE STRANDED). FINAL ALIGNMENT & LOCATION TO BE AS APPROVED BY OWNER & WATER UTILITY. INSTALL 6" DUCTILE IRON FITTINGS (WITH RESTRAINED JOINTS & CONCRETE THRUST BLOCKING) AT ALL HORIZONTAL BENDS. INSTALL LOCATOR WIRE WITHOUT BREAKS, AND WRAP LOCATOR WIRE AROUND VALVES, WATER METERS, & FITTINGS. COMPACTION OF BACKFILL SHALL CONFORM TO THE CONSTRUCTION NOTES.

11 INSTALL 6" FIRE PROTECTION WATERLINE (AWWA C900 PVC WITH 3 FT. MINIMUM COVER) WITH COPPER LOCATOR WIRE (12 GAUGE STRANDED) & CONNECT TO HOTEL FIRE PROTECTION WATER SYSTEM. FINAL ALIGNMENT & LOCATION TO BE AS APPROVED BY OWNER & WATER UTILITY. INSTALL 6" DUCTILE IRON FITTINGS (WITH RESTRAINED JOINTS & CONCRETE THRUST BLOCKING) AT ALL HORIZONTAL BENDS. INSTALL LOCATOR WIRE WITHOUT BREAKS, AND WRAP LOCATOR WIRE AROUND VALVES, WATER METERS, & FITTINGS. COMPACTION OF BACKFILL SHALL CONFORM TO THE CONSTRUCTION NOTES.

12 INSTALL 3" HOTEL WATER SERVICE LINE (SCH 40 OR C900 PVC WITH 3 FT. MINIMUM COVER) WITH COPPER LOCATOR WIRE (12 GAUGE STRANDED) & CONNECT TO HOTEL WATER SYSTEM. FINAL ALIGNMENT & LOCATION TO BE AS APPROVED BY OWNER & WATER UTILITY. INSTALL FITTINGS (SCH 40 PVC, C900 PVB, OR DUCTILE IRON) (WITH RESTRAINED JOINTS & CONCRETE THRUST BLOCKING) AT ALL HORIZONTAL BENDS. INSTALL LOCATOR WIRE WITHOUT BREAKS, AND WRAP LOCATOR WIRE AROUND VALVES, WATER METERS, & FITTINGS. INSTALL BACKFLOW PREVENTER INSTALLATION (3" Watts Double Check Type Backflow Preventer Valve with Ductile Iron Fittings, and valve pit (size as req'd. and approved by Owner) ON WATERLINE (final location as approved by Owner). COMPACTION OF BACKFILL SHALL CONFORM TO THE CONSTRUCTION NOTES.

13 INSTALL WATER METER BOX ON HOTEL WATER SERVICE LINE (SIZE & TYPE AS REQUIRED) AND WATER UTILITY APPROVED 2-INCH WATER METER. CONNECT WATER METER TO 3-INCH WATERLINE WITH 3-INCH TO 2-INCH DUCTILE IRON REDUCER FITTINGS. FINAL LOCATION TO BE AS APPROVED BY OWNER & WATER UTILITY. COMPACTION OF BACKFILL SHALL CONFORM TO THE CONSTRUCTION NOTES.

14 INSTALL 6" SANITARY GRAVITY SEWER (SCH 40 PVC) AT 1% MINIMUM SLOPE FROM CONNECTION TO HOTEL SEWER TO CONNECTION TO NEW SANITARY SEWER MANHOLE (Contractor to mark final location & alignment for in-the-field approval by Owner). INSTALL CLEANDUT (Sch. 40 PVC, see detail) NEAR CONNECTION TO HOTEL SEWER (see architectural building plumbing plans & details for exact alignment & location of building sewer). IF CLEANDUT IS LOCATED IN SIDEWALK/CONCRETE AREA, A REMOVABLE BRASS OR DUCTILE IRON COVER SHALL BE INSTALLED OVER THE CLEANDUT WITH TOP FLUSH WITH TSFGE. COMPACTION OF BACKFILL SHALL CONFORM TO THE CONSTRUCTION NOTES.

15 CONNECTION OF NEW 6" WATERLINE TO EXISTING WATERLINE TO BE INSTALLED AS APPROVED BY WATER UTILITY, WITH 6" WET CONNECTION TAPPING SLEEVE WITH 6" GATE VALVE & VALVE BOX. FINAL LOCATION TO BE AS APPROVED BY OWNER & WATER UTILITY.

16 CONSTRUCT CONCRETE CATCH BASIN (with heavy traffic grate). CONSTRUCTION REQUIREMENTS SHALL CONFORM TO THOSE SHOWN ON "CIVIL SITE DETAILS" DRAWING. COMPACTION OF BACKFILL SHALL CONFORM TO THE CONSTRUCTION NOTES.

17 EXISTING SANITARY SEWER (approximate location shown) TO REMAIN UNDISTURBED. EXACT LOCATIOIN AND DEPTH TO BE VERIFIED IN-THE-FIELD PRIOR TO BEGIN OF CONSTRUCTION ACTIVITIES.

18 EXISTING WATERLINE (approximate location shown) TO REMAIN UNDISTURBED. EXACT LOCATIOIN AND DEPTH TO BE VERIFIED IN-THE-FIELD PRIOR TO BEGIN OF CONSTRUCTION ACTIVITIES.

19 TOP OF FINISHED GROUND SURFACE (GFGE) SHALL MATCH TOP SURFACE OF CONCRETE CURBS (and/or other GFGE elevation points shown on the plan), AND THE EXISTING GROUND SURFACE ELEVATION (EGE) ALONG PROPERTY LINES. FINISHED GROUND SURFACE SHALL HAVE A UNIFORM GRADE FROM NEWLY CONSTRUCTED FINISHED GRADES (TCFGE, GFGE, etc.) TO EXISTING GROUND ELEVATIONS ALONG PROPERTY LINES. GRADES BE UNIFORM, WITHOUT DEPRESSIONS OR DIPS. COMPACTED FILL SHALL CONFORM TO THE CONSTRUCTION NOTES.

20 INSTALL 8" SANITARY GRAVITY SEWER (SCH 40 or SDR 26 PVC) AT 1% MINIMUM SLOPE FROM NEW MANHOLE TO CONNECTION TO NEW MANHOLE. COMPACTION OF BACKFILL SHALL CONFORM TO THE CONSTRUCTION NOTES.

21 INSTALL 6" x 6" x 3" DUCTILE IRON TEE FITTING (with restrained joints & concrete thrust blocking). ATTACH COPPER WATERLINE LOCATOR WIRE (12 gauge stranded) TO FITTING. COMPACTION OF BACKFILL SHALL CONFORM TO THE CONSTRUCTION NOTES.

22 INSTALL 6-INCH GATE VALVE WITH DUCTILE IRON VALVE BOX (with restrained joints & concrete thrust blocking). ATTACH COPPER WATERLINE LOCATOR WIRE (12 gauge stranded) TO VALVE. COMPACTION OF BACKFILL SHALL CONFORM TO THE CONSTRUCTION NOTES.

23 INSTALL 3-INCH GATE VALVE WITH DUCTILE IRON VALVE BOX (with restrained joints & concrete thrust blocking). ATTACH COPPER WATERLINE LOCATOR WIRE (12 gauge stranded) TO VALVE. COMPACTION OF BACKFILL SHALL CONFORM TO THE CONSTRUCTION NOTES.

24 INSTALL PRECAST REINFORCED CONCRETE MANHOLE (4 FT. INSIDE DIAMETER, 4,000 PSI CONCRETE 28-DAY COMPRESSION STRENGTH) FINAL LOCATION SHALL BE AS APPROVED BY OWNER. COMPACTION OF BACKFILL SHALL CONFORM TO THE CONSTRUCTION NOTES. PRECAST REINFORCED CONCRETE BASE SECTION TO HAVE 6" MIN. BOTTOM THICKNESS, WITH 12" INTEGRAL EXTENDED BASE. PRECAST REINFORCED CONCRETE RISER SECTION TO HAVE 6" MIN. WALL THICKNESS CONFORMING TO ASTM C-478. PRECAST REINFORCED CONCRETE FLAT TOP SECTION TO HAVE 8" - 12" THICKNESS WITH MANHOLE FRAME & COVER (NEENAH CAT. R-1754-A, CAST INTO CONCRETE TOP). MANHOLE SECTIONS TO HAVE WATERTIGHT JOINTS. NEOPRENE BOOT SEALS TO BE INSTALLED AT ALL INLET/OUTLET PIPES.

25 EXISTING 24-INCH STORM SEWER (HDPE) (approximate location shown) TO REMAIN UNDISTURBED. EXACT LOCATIOIN AND DEPTH TO BE VERIFIED IN-THE-FIELD PRIOR TO BEGIN OF CONSTRUCTION ACTIVITIES.

26 CONSTRUCT RETAINING WALL. ALL RETAINING WALLS TO BE DESIGNED BY AN ENGINEER LICENSED TO PRACTICE ENGINEERING IN STATE OF MISSISSIPPI. RETAINING WALL TYPE (ie., style and color) TO BE APPROVED BY OWNER. DESIGN OF RETAINING WALLS TO BE BASED UPON FINDINGS AND RECOMMENDATIONS PROVIDED IN GEOTECHNICAL ENGINEERING REPORT PREPARED BY TERRACON CONSULTANTS, INC., RIDGELAND, MS. COMPACTION OF BACKFILL TO CONFORM TO THE CONSTRUCTION NOTES.

27 REMOVE EXISTING CONCRETE CURB & GUTTER AS REQ'D. FOR NEW CONSTRUCTION. NEW PAVEMENT TO BE GRADED TO PERMIT FREE DRAINAGE TO CATCH BASINS.

28 CONSTRUCT 3 FT. WIDE CURB CUT, AND 4 FT. WIDE BY 10 FT. LONG CONCRETE FLUME (with 6 inch integral concrete curbs). EXTEND CONCRETE FLUME TO DISCHARGE TO EXISTING DRAINAGE DITCH. CONCRETE FLUME CONSTRUCTION DETAILS & REINFORCEMENT TO CONFORM TO AS SHOWN FOR CONCRETE PAVEMENT.

29 TOP OF NEW CONCRETE CURB SHALL MATCH TOP SURFACE OF EXISTING CONCRETE CURB (or existing concrete pavement, as applicable) (except where otherwise shown). GRADE NEW CONCRETE PAVEMENT TO DRAIN FREELY TO CATCH BASINS.

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FAIRFIELD INN & SUITES HOTEL
VICKSBURG, MISSISSIPPI
SCALE: NONE
DATE: DECEMBER 2013
CONSULTING CIVIL ENGINEER: BOBBY G. CARPENTER, P.E.
DRAWN BY: CEI
CIVIL SITE NOTES & LEGENDS
DRAWING NUMBER: C-2

REVIEW PLANS - NOT FOR CONSTRUCTION

**HOLIDAY INN HOTEL
(Existing)**
FFE = 207.6 Ft +/-

**EL SOMBRERO MEXICAN
RESTAURANT
(Existing)**
FFE = 197 Ft +/-

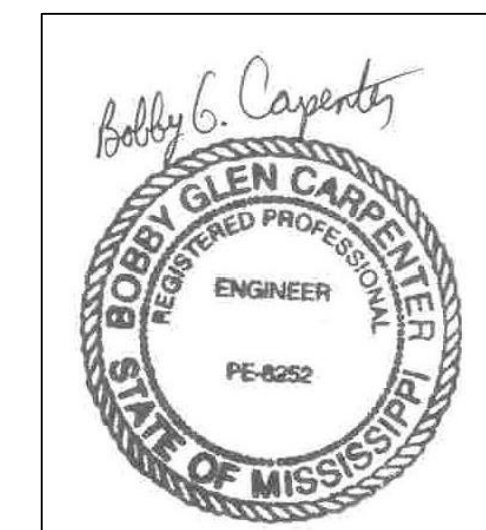
FAIRFIELD INN & SUITES HOTEL
(See Architectural Plans for Exact Dimensions & Construction Details)
4 Story - 86 Rooms
FFE = 204 Ft

POOL

**CYPRESS
CENTRE DRIVE**

BAZINSKY ROAD

DRAWING PREPARED BY:
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REVIEW PLAN - NOT FOR CONSTRUCTION



REGULAR PARKING SPACES = 84
HANDICAPPED PARKING SPACES = 4
TOTAL NUMBER OF PARKING SPACES = 88

NOTE:
1. SEE "CIVIL SITE NOTES & LEGENDS" DRAWING.

FAIRFIELD INN & SUITES HOTEL VICKSBURG, MISSISSIPPI		
SCALE: 1" = 20'	CONSULTING CIVIL ENGINEER BOBBY G. CARPENTER, P.E.	DRAWN BY: CEI
DATE: DECEMBER 2013		
CIVIL SITE PLAN		
CARPENTER ENGINEERING, INC. VICKSBURG, MISSISSIPPI		DRAWING NUMBER: C-3

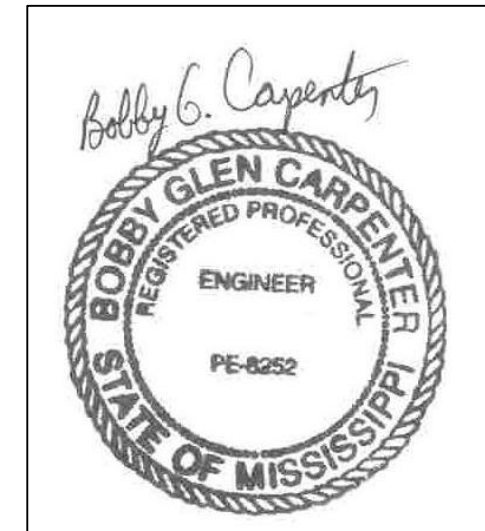
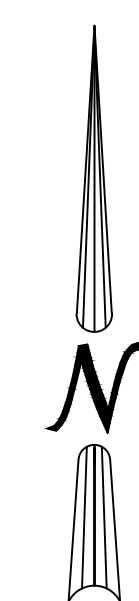
Drawing Date: December 4, 2013

**HOLIDAY INN HOTEL
(Existing)**
FFE = 207.6 Ft +/-

**EL SOMBRERO MEXICAN
RESTAURANT
(Existing)**
FFE = 197 Ft +/-

FAIRFIELD INN & SUITES HOTEL
(See Architectural Plans for Exact Dimensions & Construction Details)
4 Story - 86 Rooms
FFE = 204 Ft

REVIEW PLAN - NOT FOR CONSTRUCTION



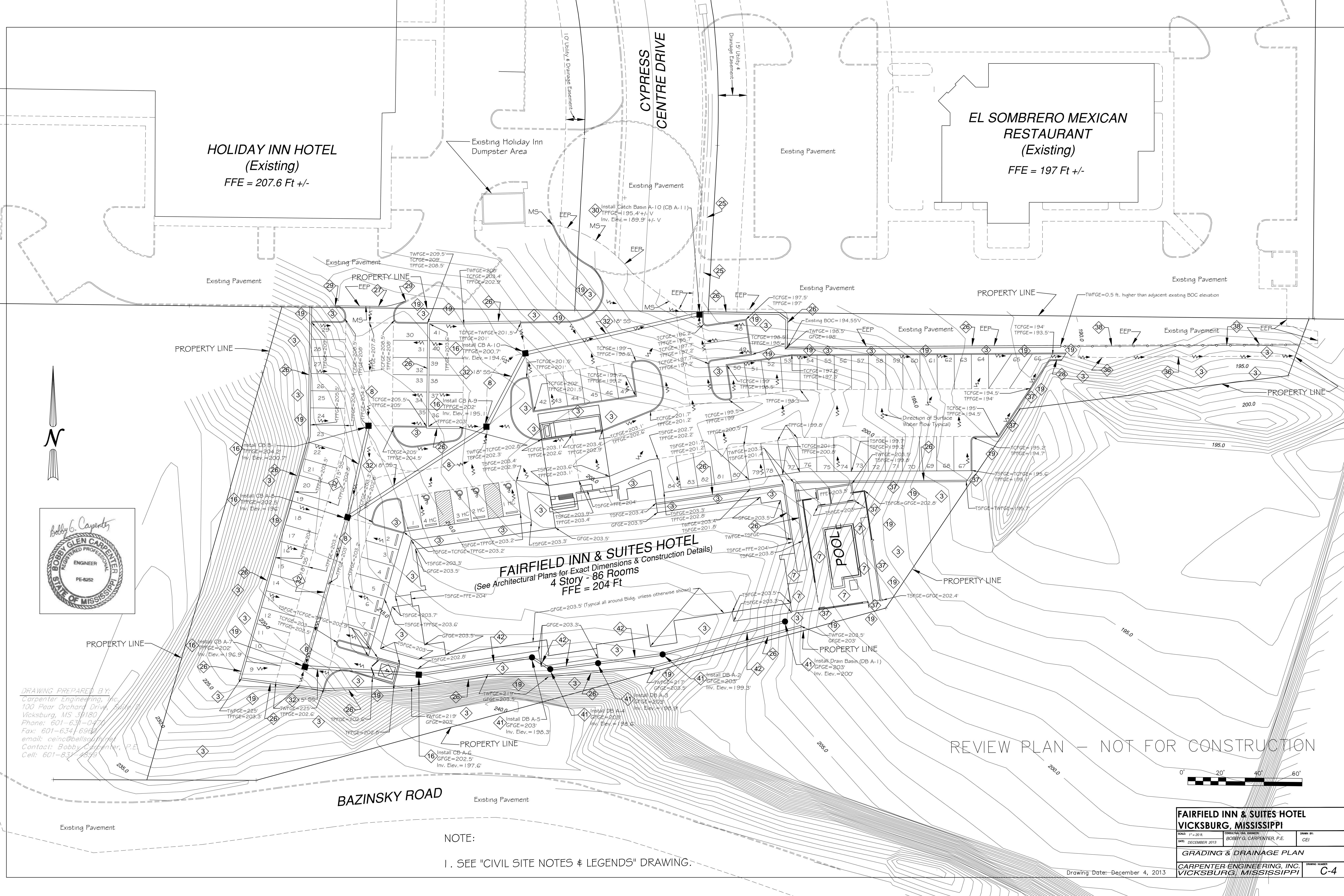
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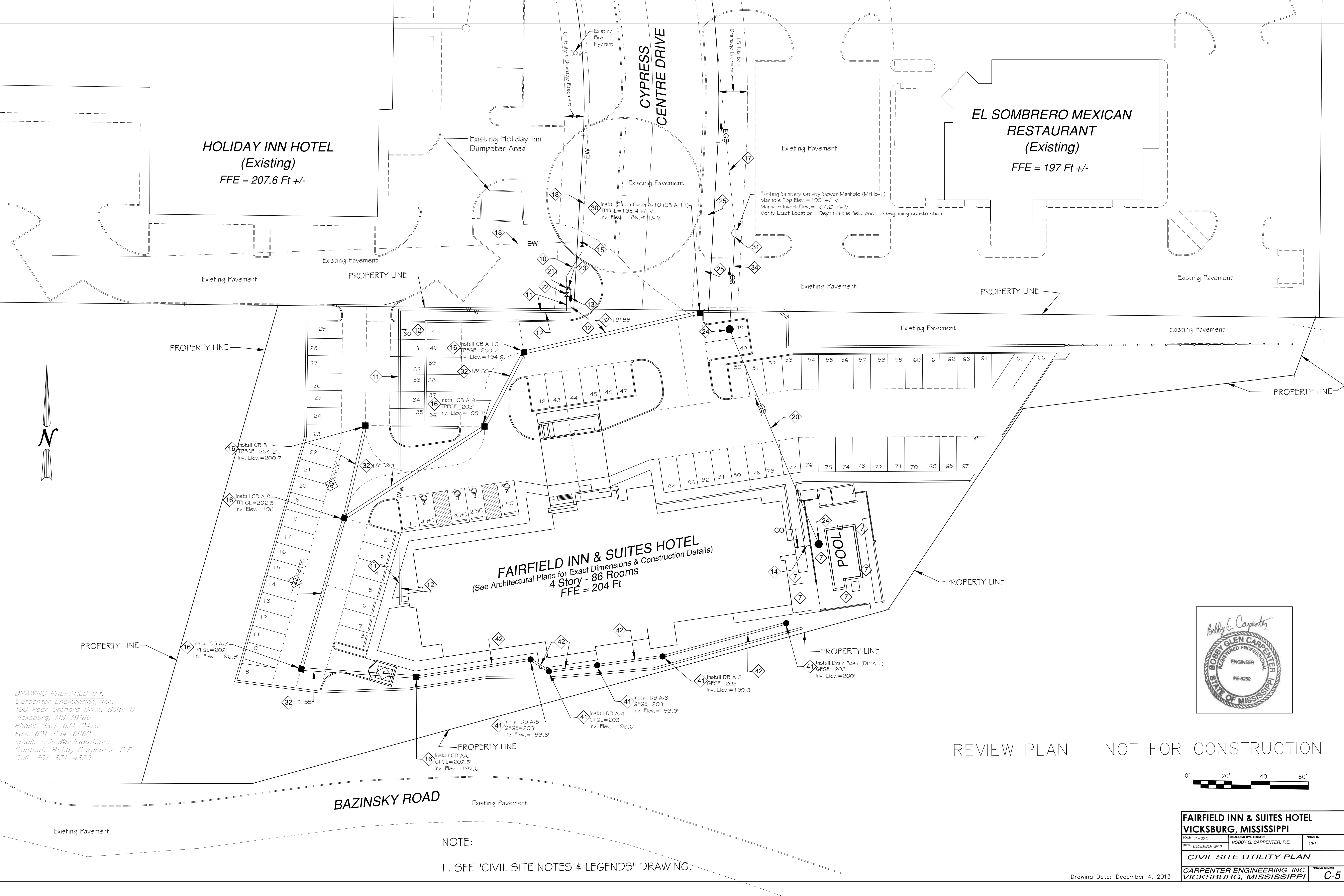


FAIRFIELD INN & SUITES HOTEL VICKSBURG, MISSISSIPPI		
SCALE: 1" = 20'	DESIGNED BY: BOBBY G. CARPENTER, P.E.	DRAWN BY: CEI
DATE: DECEMBER 2013		
GRADING & DRAINAGE PLAN		
CARPENTER ENGINEERING, INC. VICKSBURG, MISSISSIPPI		DRAWING NUMBER: C-4

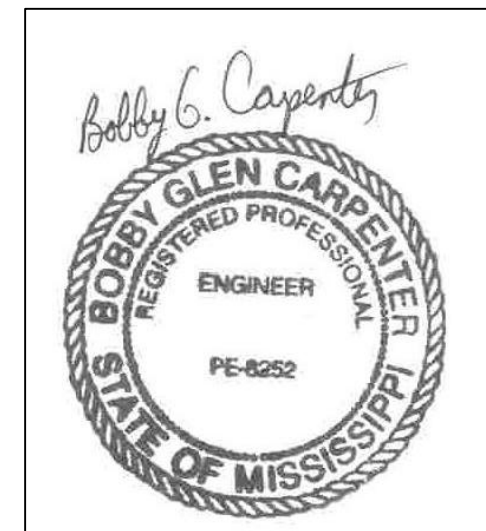
NOTE:
1. SEE "CIVIL SITE NOTES & LEGENDS" DRAWING.

Drawing Date: December 4, 2013





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REVIEW PLAN – NOT FOR CONSTRUCTION



NOTE:
 1. SEE "CIVIL SITE NOTES & LEGENDS" DRAWING.

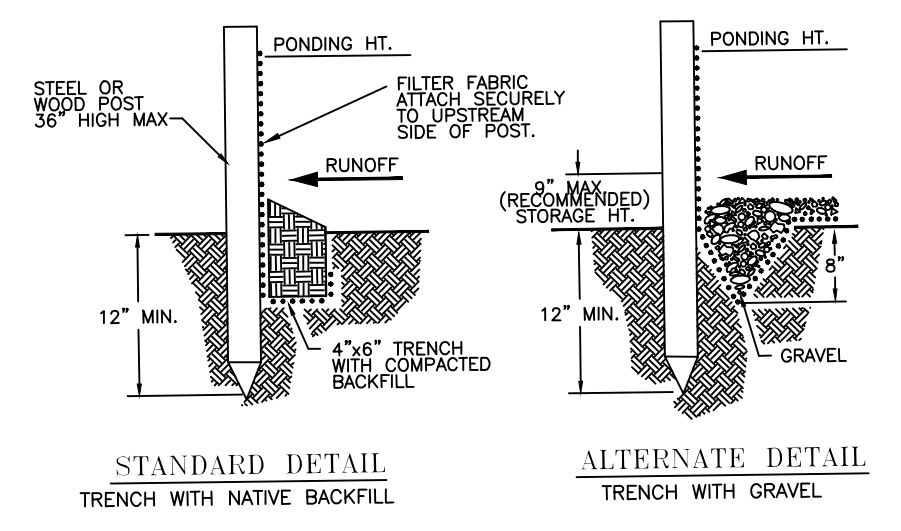
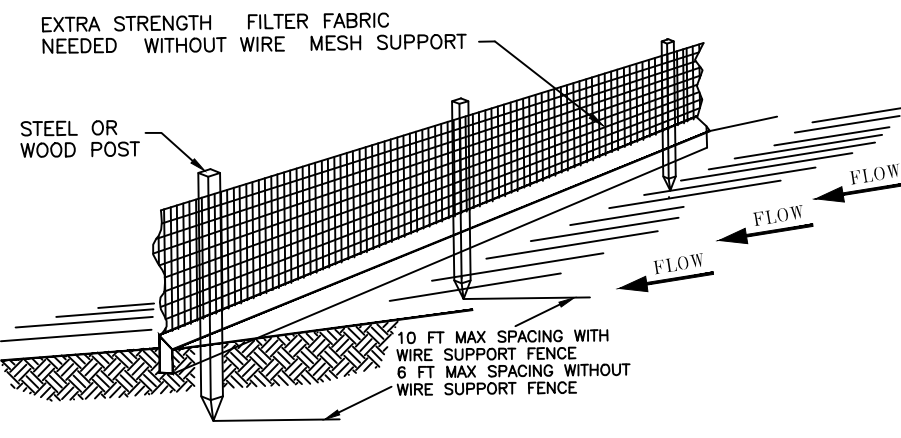
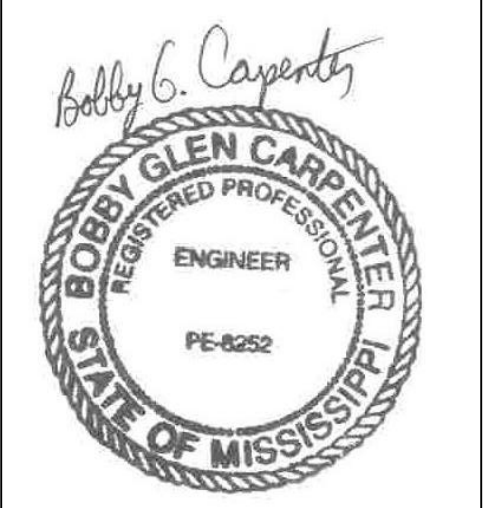
FAIRFIELD INN & SUITES HOTEL		
VICKSBURG, MISSISSIPPI		
SCALE: 1" = 20'	CONSULTING CIVIL ENGINEER: BOBBY G. CARPENTER, P.E.	DRAWN BY: CEJ
DATE: DECEMBER 2013		
CIVIL SITE UTILITY PLAN		
CARPENTER ENGINEERING, INC. VICKSBURG, MISSISSIPPI		DRAWING NUMBER: C-5

Drawing Date: December 4, 2013

**HOLIDAY INN HOTEL
(Existing)**
FFE = 207.6 Ft +/-

**EL SOMBRERO MEXICAN
RESTAURANT
(Existing)**
FFE = 197 Ft +/-

FAIRFIELD INN & SUITES HOTEL
(See Architectural Plans for Exact Dimensions & Construction Details)
4 Story - 86 Rooms
FFE = 204 Ft



TYPICAL TEMPORARY SILT FENCING DETAILS
NOT TO SCALE

DRAWING PREPARED BY:
Carpenter Engineering, Inc.
100 Pear Orchard Drive, Suite D
Vicksburg, MS 39180
Phone: 601-631-0470
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email: ceinc@bellsouth.net
Contact: Bobby Carpenter, P.E.
Cell: 601-831-4859



FAIRFIELD INN & SUITES HOTEL VICKSBURG, MISSISSIPPI		
SCALE: 1" = 20'	CONSULTING CIVIL ENGINEER: BOBBY G. CARPENTER, P.E.	DRAWN BY: CEJ
DATE: DECEMBER 2013		
STORM WATER POLLUTION PREVENTION PLAN (SWPPP)		
CARPENTER ENGINEERING, INC. VICKSBURG, MISSISSIPPI		DRAWING NUMBER: C-6

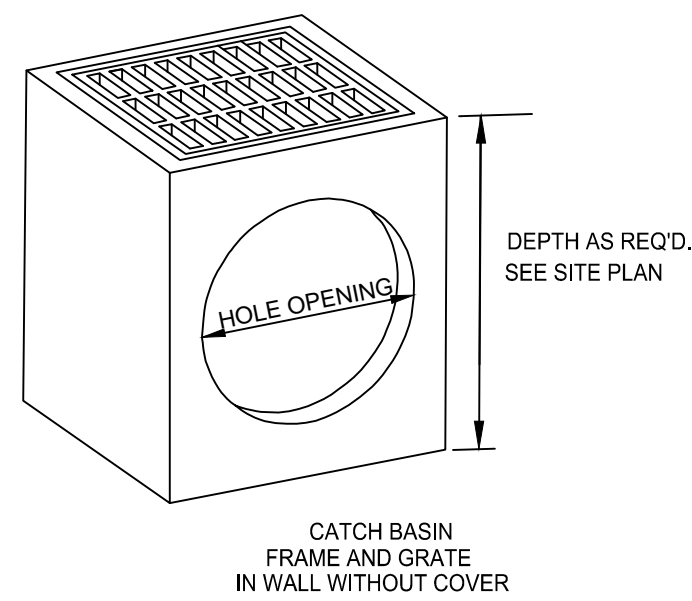
SWPPP NOTES:

1. The storm water control structures and measures shown on the drawing are general and representative of the Best Management Practices for controlling erosion and siltation on the construction site. Additional measures may be required to control erosion during the construction activities, and prevent sediment from leaving the construction site and property boundaries.
2. All grading activities are to be accomplished, and storm water control structures and measures are to be implemented and maintained in accordance with the requirements of the the Mississippi Department of Environmental Quality and City of Vicksburg.
3. Temporary Silt Fencing is to be installed and maintained where required to prevent sediment from leaving construction area and property boundary.
4. Temporary Silt Fencing, Staked Hay Bales, Sediment Logs, or other Temporary Silt Control Measures shall be installed around Catch Basins & Curb Inlets as required to minimize the amount of silt entering the underground storm water collection system.
5. See "Civil Site Plan" & "Grading & Grading Plan" drawings for additional requirements.

NOTE:
1. SEE "CIVIL SITE NOTES & LEGENDS" DRAWING.

REVIEW PLAN - NOT FOR CONSTRUCTION

Drawing Date: December 4, 2013

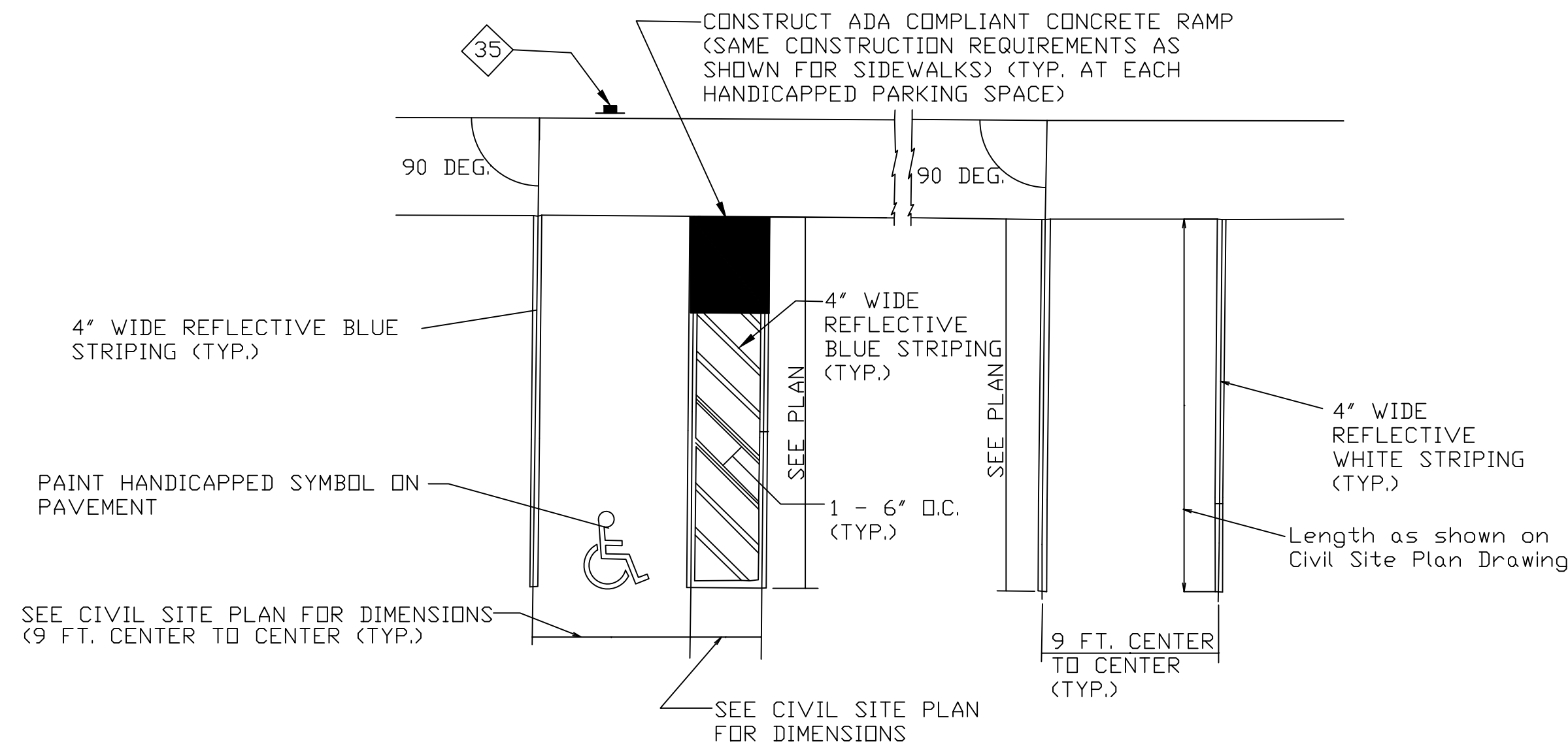


PRECAST CONCRETE CATCH BASIN DETAILS

SCALE: NONE

CATCH BASIN NOTES:

- All Concrete Catch Basins shall conform to the 2ft.X2ft., 3ft.X2ft., or 4ft.X3ft. Precast Reinforced Concrete Basin (with 5" (Min.) Walls), with Cast Iron Heavy Duty H25 Highway Load Rated Grate, as manufactured by Hanson Pipe & Products, Inc., 2840 W. Northside Drive, Jackson, MS (Phone 601-982-1100).
- Concrete shall have a Minimum Compression Strength of 4,000 PSI in 28 Days. Reinforcing Steel shall conform to ASTM A-615, Grade 60, with Reinforcement conforming to AASHTO HS 20-44 Loading. Precast Concrete Basin shall conform to ASTM C-857-92. Joint Sealant between Concrete Sections and Lid shall be RAM-NEK Gasket Material.
- All Voids around Pipes and in Concrete shall be Grouted Watertight with Nonshrink Grout.



TYPICAL HANDICAPPED PARKING SPACE DETAIL

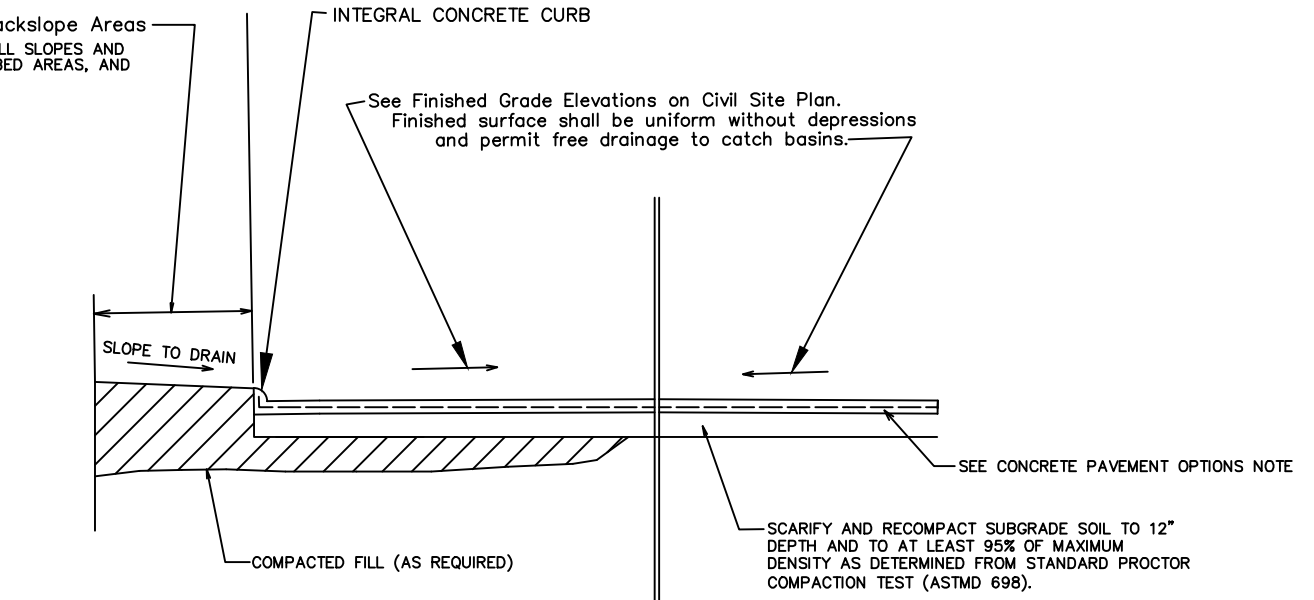
TYPICAL PARKING SPACE DETAIL

DRIVE AND PARKING NOTES:

- DRIVE & PARKING AREA CONSTRUCTION AND MATERIALS SHALL CONFORM TO THE APPLICABLE PROVISIONS OF THE MISSISSIPPI DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", LATEST EDITION.
- COMPACTION OF COMPACTED FILL AND SUBGRADE SHALL BE 95% OF MAXIMUM THEORETICAL DENSITY.
- SEE CONSTRUCTION NOTES ON SITE PLAN FOR COMPACTED FILL AND ADDITIONAL REQUIREMENTS. TOPSOIL SHALL BE STRIPPED (GRUBBED) TO A 6" MINIMUM DEPTH UNDERNEATH ALL DRIVES AND PARKING AREAS.

CONCRETE PAVEMENT NOTES:

- REGULAR TRAFFIC (AUTOMOBILES AND PASSENGER TRUCKS)
 - CONCRETE DEPTH = 6" (MINIMUM)
 - 6"x6" W2.9 X W2.9 WELDED WIRE FABRIC STEEL REINFORCEMENT WITHIN PAVEMENT SECTION.
 - FIBERMESH REINFORCEMENT IN CONCRETE.
 - 4" DEPTH OF COMPACTED CRUSHED LIMESTONE SUBGRADE (610 GRADE), COMPACTED TO MIN. DENSITY OF 95% AS PER ASTM D-698.
- HEAVY TRAFFIC (GARBAGE & LARGE TRUCKS):
 - CONCRETE DEPTH = 9" (MINIMUM)
 - #4 @ 18" O.C. EACH WAY STEEL REINFORCEMENT.
 - FIBERMESH REINFORCEMENT IN CONCRETE.
 - 4" DEPTH OF COMPACTED CRUSHED LIMESTONE SUBGRADE (610 GRADE), COMPACTED TO MIN. DENSITY OF 95% AS PER ASTM D-698.



TYPICAL DRIVE & PARKING AREA PAVEMENT SECTION - CONCRETE OPTION

CONCRETE PAVEMENT CONSTRUCTION NOTES

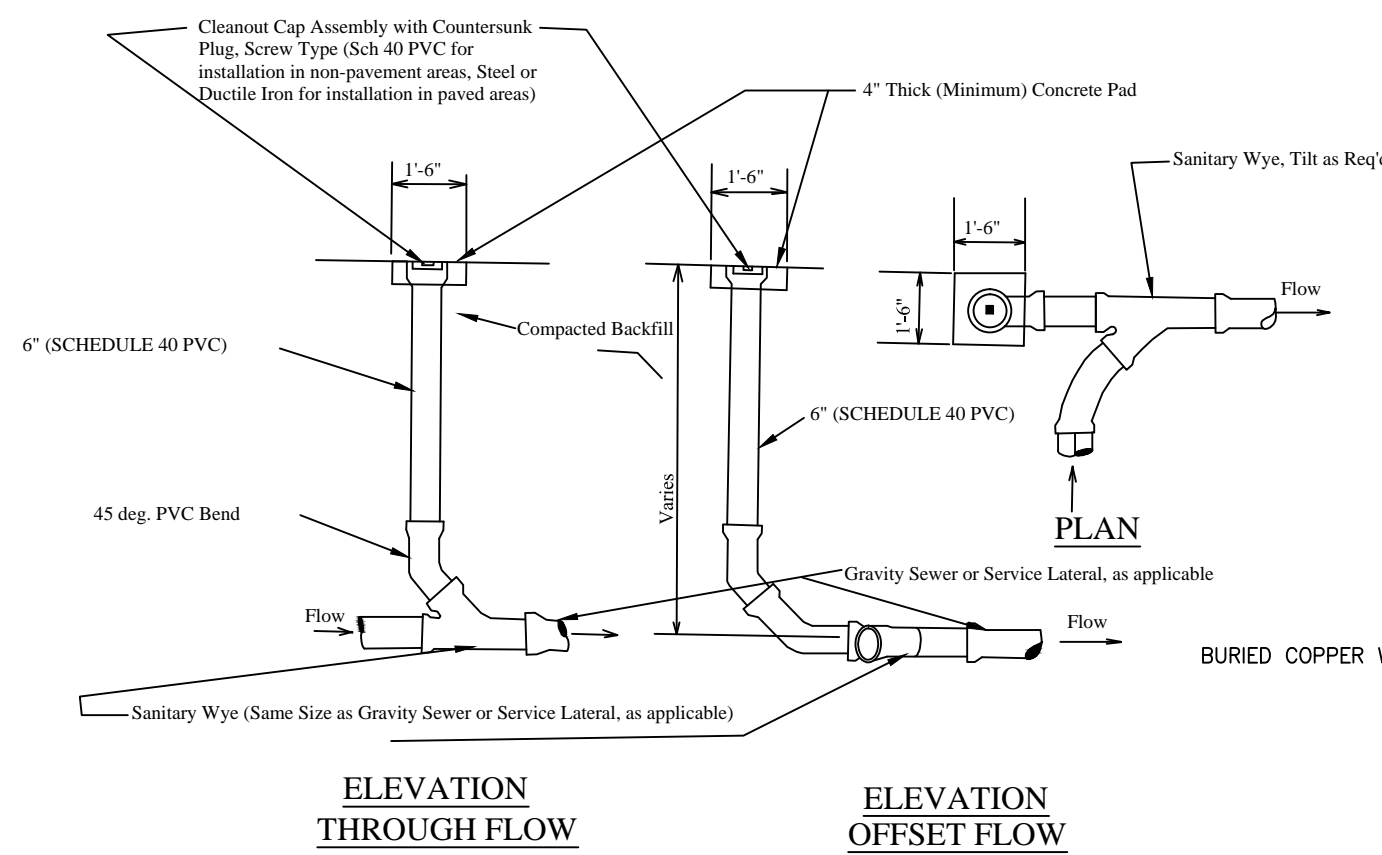
- CONCRETE PAVING SHALL CONFORM TO THE LATEST BUILDING CODE FOR REINFORCED CONCRETE OF THE AMERICAN CONCRETE INSTITUTE (A.C.I. 318). IF THE FIBERMESH CONCRETE ALTERNATE IS USED, THE CONTRACTOR SHALL ADHERE STRICTLY TO THE MANUFACTURER'S RECOMMENDATIONS AS TO TYPE AND AMOUNT.
- CONCRETE SHALL HAVE SAND AND GRAVEL OR CRUSHED STONE AGGREGATES, TYPE I OR III PORTLAND CEMENT, A 4,000 PSI (MINIMUM) COMPRESSIVE STRENGTH IN 28 DAYS. NORMAL WEIGHT AGGREGATES SHALL CONFORM TO ASTM C33.
- MAXIMUM NOMINAL COARSE AGGREGATE SIZES FOR CONCRETE SHALL BE 3/4 INCHES.
- CONCRETE SLUMPS SHALL BE AS FOLLOWS:
PUMPED CONCRETE - 5 INCHES
HAND PLACED CONCRETE - 4 INCHES
- CONCRETE PAVING SHOULD BE AIR ENTRAINED WITH 4 TO 7 PERCENT 5. AIR, SHOULD HAVE A CEMENTITIOUS MATERIALS CONTENT OF AT LEAST 564 pcy, AND SHOULD HAVE A MAXIMUM WATER TO CEMENTITIOUS MATERIALS RATIO OF 0.45. USE OF AIR-ENTRAINMENT, AND CORRESPONDING REDUCTION OF THE WATER/CEMENT RATIO, MUST BE NOTED ON THE MIX DESIGN. CONTRACTOR SHALL SUBMIT MIX DESIGNS TO ENGINEER FOR REVIEW. NO FLY ASH IS PERMITTED IN CONCRETE.

CONCRETE PAVEMENT JOINT NOTES

- SAW CUT CONTRACTION JOINTS, AND CONSTRUCTION JOINTS SHALL BE AS INDICATED IN THE DETAILS ON THIS DRAWING.
- SAW CUT CONTRACTION JOINTS SHOULD BE SAW CUT AT LEAST ONE-EIGHTH (0.125) INCH WIDE AND ONE-QUARTER OF PAVEMENT THICKNESS DEEP AS SOON AS POSSIBLE AFTER CONCRETE REACHES FINAL SET (APPROX. 8 TO 12 HOURS AFTER PLACING THE CONCRETE), CLEANED BY HIGH PRESSURE AIR JET, AND SEALED WITH A SUITABLE PAVEMENT JOINT SEALING MATERIAL TO PREVENT INTRUSION OF SURFACE WATER INTO THE PAVEMENT BASE. CONTRACTION JOINTS SHOULD BE SPACED AS APPROVED BY OWNER OR OWNER'S REPRESENTATIVE.
- MAXIMUM SPACING BETWEEN TRANSVERSE CONTRACTION JOINTS SHALL BE 12 FEET ON CENTER.
- LONGITUDINAL CONTRACTION JOINTS ARE TO BE PROVIDED WHERE CONCRETE PAVEMENT WIDTH EXCEEDS 24 FT. IN WIDTH (E.G., ALONG OUTER EDGES OF DRIVES AT PARKING SPACES (OR AS APPROVED BY OWNER)), AND SHALL CONSIST OF KEED CONSTRUCTION TYPE JOINTS, OR TIED AND SAUED CONTRACTION TYPE JOINTS. NO. 4 TIE BARS (SEE CONSTRUCTION JOINT DETAIL) SHALL BE PROVIDED AT 24" O.C. ALONG LENGTH OF LONGITUDINAL JOINTS.
- TRANSVERSE EXPANSION JOINTS ARE TO BE PROVIDED AT 60 FT. ON CENTER INTERVALS THROUGHOUT LENGTH OF ALL DRIVES. EXPANSION JOINTS ARE ALSO TO BE PROVIDED ALONG LENGTH WHERE NEW CONCRETE PAVEMENT MEETS EXISTING CONCRETE PAVEMENT, & BETWEEN CONCRETE PAVEMENT & CONCRETE SIDEWALKS AND FOUNDATIONS.

CONCRETE PAVEMENT REINFORCING STEEL & FIBERMESH NOTES

- ALL STEEL REINFORCING BARS SHALL BE NEW DOMESTIC DEFORMED BILLET STEEL CONFORMING TO ASTM A615, #3 AND #4 = GRADE 40) (#5 AND LARGER- GRADE 60) ALL REINFORCEMENT SPECIFICALLY NOTED ON THE DRAWING AS BEING WELDED SHALL BE DOMESTIC STEEL CONFORMING TO ASTM A615, GRADE 40 OR DOMESTIC STEEL CONFORMING TO ASTM A706.
- DETAILING OF CONCRETE REINFORCEMENT AND ACCESSORIES SHALL BE IN ACCORDANCE WITH ACI 315.
- ALL REINFORCING BARS LAPS SHALL BE SPLICED A MINIMUM OF 36 BAR DIAMETERS.
- ALL REINFORCING BARS SHALL BE SPACED O.C.E.W. BASED ON THE Fy
Fy = 40 ksi As = 0.002 Ac
Fy = 60 ksi As = 0.0018 Ac
UNLESS OTHERWISE NOTED.
- PROTECTION COVER OF REINFORCEMENT SHALL BE AS NOTED BELOW. SEE ACI 318 FOR CONDITIONS NOT NOTED. CONCRETE PLACED AGAINST SOIL = 2 1/2 INCHES
- WHERE FIBER MESH REINFORCED CONCRETE IS INDICATED ON THE DRAWINGS, FIBERMESH FIBERS SHALL BE ADDED TO THE CONCRETE MIXTURE AT THE READY-MIX BATCH PLANT AT A RATE OF 1.5 POUNDS PER CUBIC YARD.

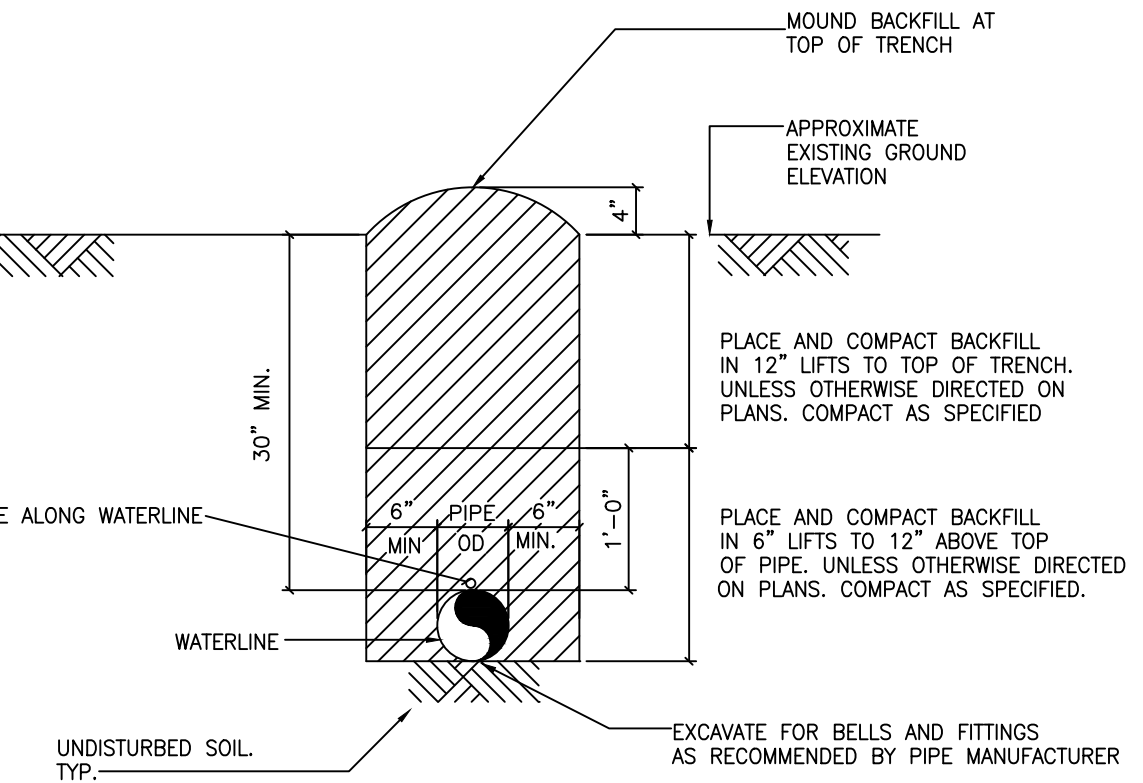


TYPICAL CLEANOUT DETAIL

SCALE: NONE

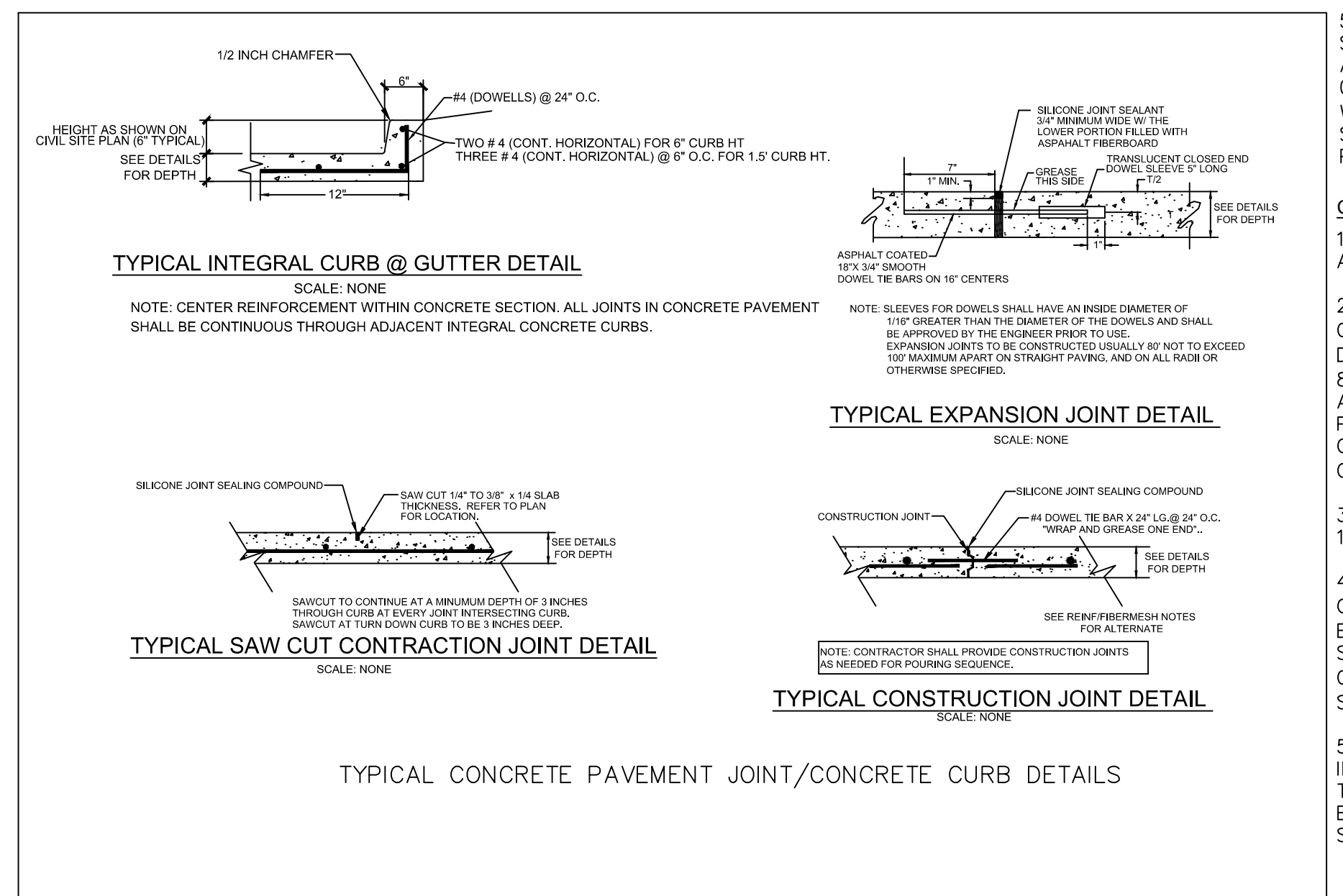
SIDEWALK NOTES:

- TRAVERSE CONTRACTION JOINTS ARE REQUIRED AT 5 FEET ON CENTER, UNLESS OTHERWISE SHOWN ON DRAWINGS OR APPROVED BY OWNER OR OWNER'S REPRESENTATIVE. SEE DETAIL.
- 1/2" WIDE EXPANSION JOINTS SHALL BE INSTALLED BETWEEN THE SIDEWALKS AND CURBS (UNLESS INTEGRAL SIDEWALK AND CURB/GUTTER CONSTRUCTED). SEPARATE CONCRETE POURS, AND BUILDING SLAB. SEE DETAIL.
- ALL CONCRETE SHALL HAVE A 3,000 PSI (MINIMUM) 28 DAY COMPRESSION STRENGTH.
- ALL SIDEWALKS SHALL BE CONSTRUCTED IN ONE CONCRETE POUR (IF POSSIBLE). IF SEPARATE CONCRETE POURS ARE REQUIRED, CONSTRUCTION JOINTS SHALL BE PROVIDED AS SHOWN IN THE "TYPICAL SIDEWALK CONSTRUCTION JOINT DETAIL."

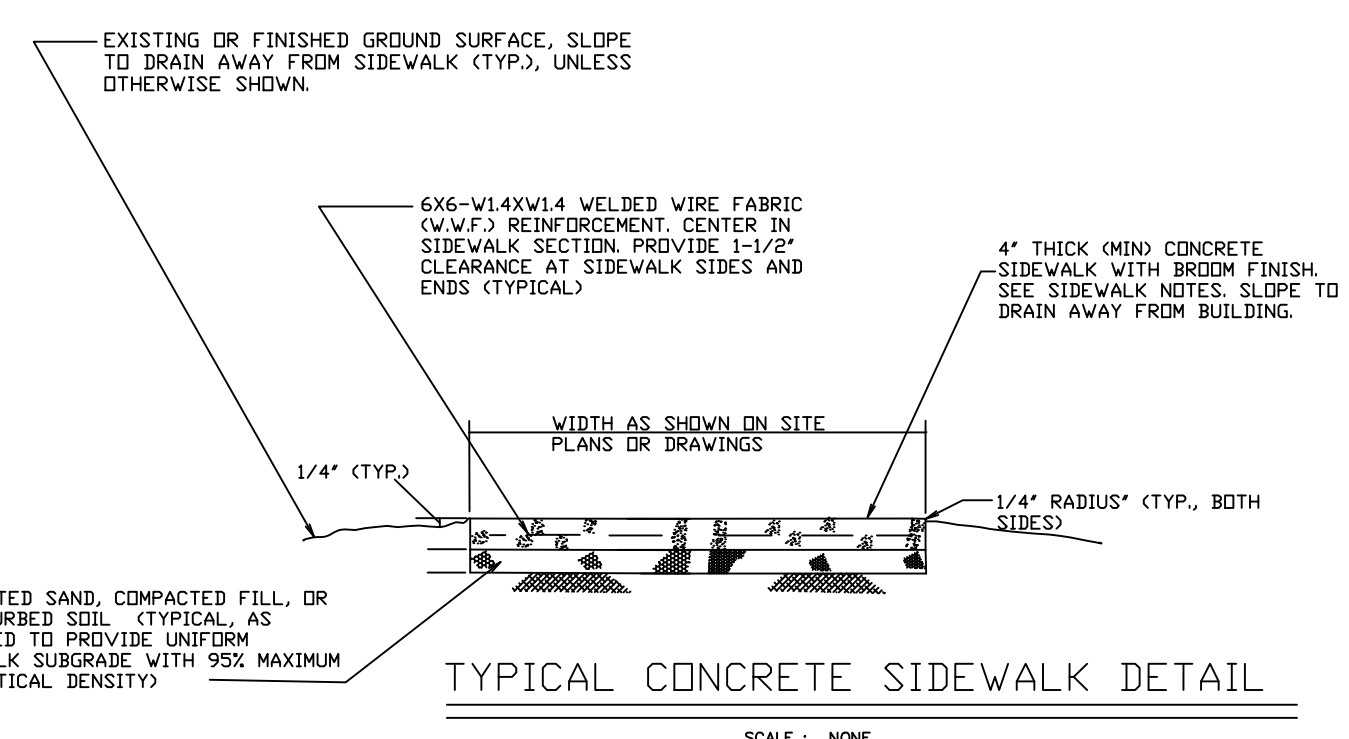


TYPICAL WATERLINE TRENCH DETAIL

SCALE: NONE

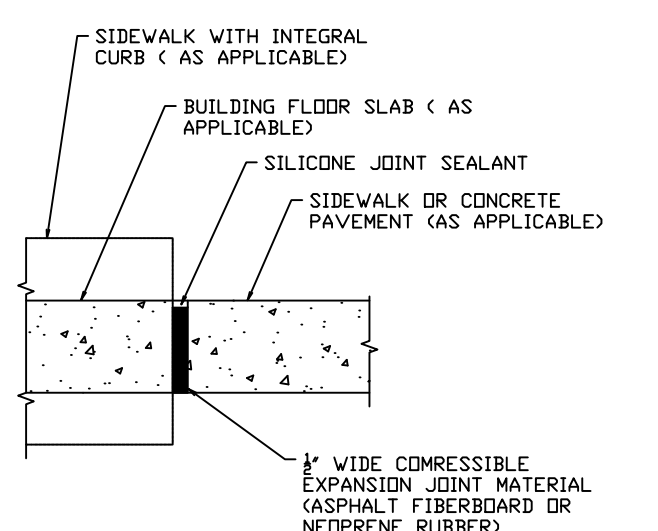


TYPICAL CONCRETE PAVEMENT JOINT/CONCRETE CURB DETAILS



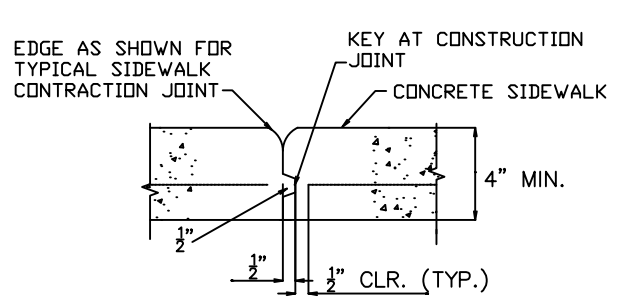
TYPICAL CONCRETE SIDEWALK DETAIL

SCALE: NONE



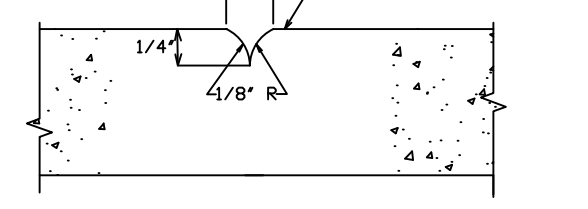
TYPICAL SIDEWALK EXPANSION JOINT DETAIL

SCALE: NONE



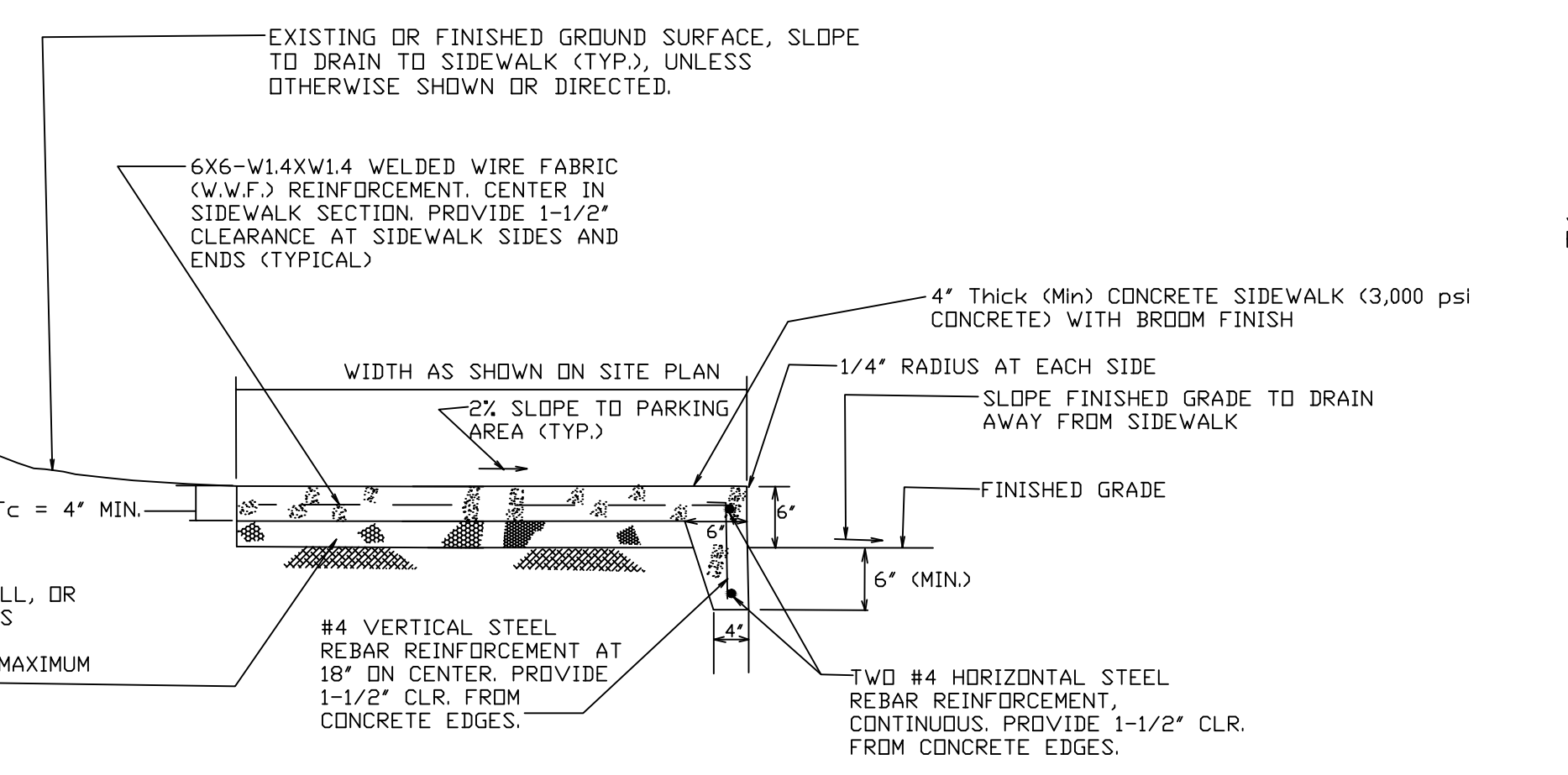
TYPICAL SIDEWALK CONSTRUCTION JOINT DETAIL

SCALE: NONE

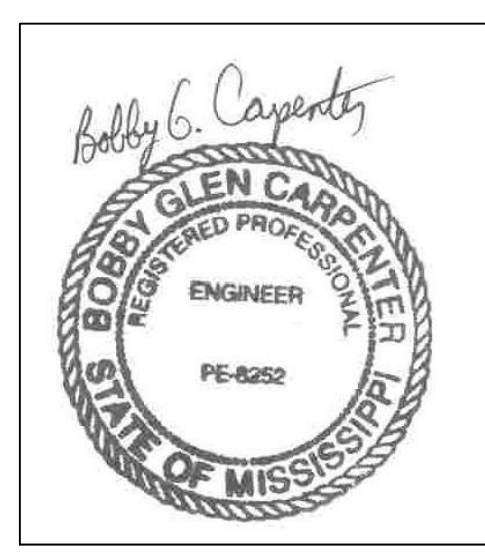


TYPICAL SIDEWALK CONTRACTION JOINT DETAIL

SCALE: NONE



TYPICAL CONCRETE SIDEWALK WITH INTEGRAL CONCRETE CURB DETAIL

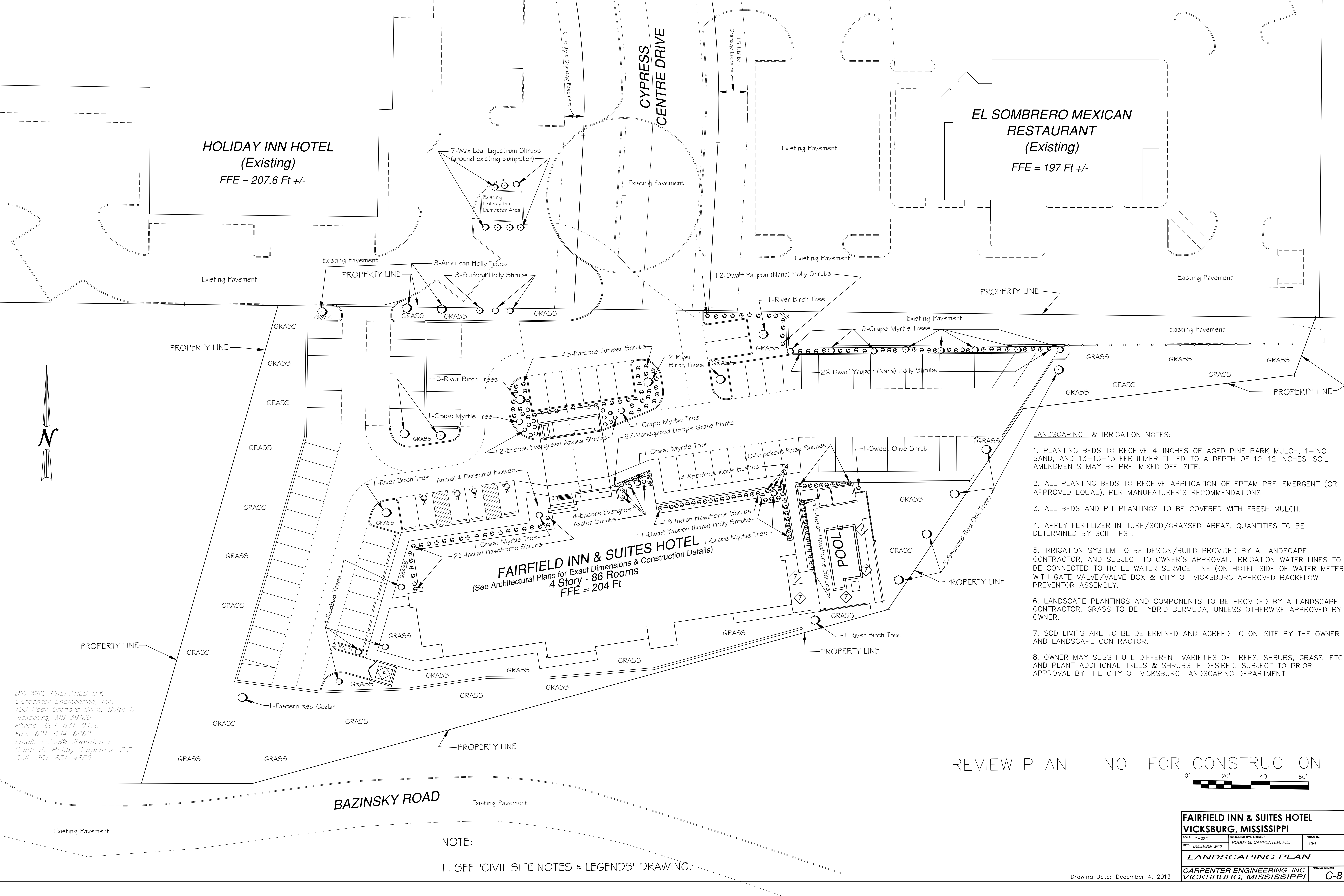


REVIEW PLANS - NOT FOR CONSTRUCTION

DRAWING PREPARED BY:
Carpenter Engineering, Inc.
100 Pear Orchard Drive, Suite D
Vicksburg, MS 39180
Phone: 601-631-0470
Fax: 601-634-6960
email: cainc@bellsouth.net
Contact: Bobby Carpenter, P.E.
Cell: 601-831-4859

FAIRFIELD INN & SUITES HOTEL VICKSBURG, MISSISSIPPI	
SCALE: NONE	CIVIL SITE DESIGN CONSULTING ENGINEER: DRAWN BY: DATE: DECEMBER 2013 Bobby G. Carpenter, P.E. CEI
CIVIL SITE DETAILS	
Carpenter Engineering, Inc. Vicksburg, Mississippi	DRAWING NUMBER C-7

DRAWING DATE: December 4, 2013



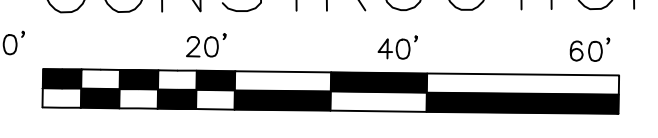
LANDSCAPING & IRRIGATION NOTES:

1. PLANTING BEDS TO RECEIVE 4-INCHES OF AGED PINE BARK MULCH, 1-INCH SAND, AND 13-13-13 FERTILIZER TILLED TO A DEPTH OF 10-12 INCHES. SOIL AMENDMENTS MAY BE PRE-MIXED OFF-SITE.
2. ALL PLANTING BEDS TO RECEIVE APPLICATION OF EPTAM PRE-EMERGENT (OR APPROVED EQUAL), PER MANUFACTURER'S RECOMMENDATIONS.
3. ALL BEDS AND PIT PLANTINGS TO BE COVERED WITH FRESH MULCH.
4. APPLY FERTILIZER IN TURF/SOD/GRASSED AREAS, QUANTITIES TO BE DETERMINED BY SOIL TEST.
5. IRRIGATION SYSTEM TO BE DESIGN/BUILD PROVIDED BY A LANDSCAPE CONTRACTOR, AND SUBJECT TO OWNER'S APPROVAL. IRRIGATION WATER LINES TO BE CONNECTED TO HOTEL WATER SERVICE LINE (ON HOTEL SIDE OF WATER METER) WITH GATE VALVE/VALVE BOX & CITY OF VICKSBURG APPROVED BACKFLOW PREVENTOR ASSEMBLY.
6. LANDSCAPE PLANTINGS AND COMPONENTS TO BE PROVIDED BY A LANDSCAPE CONTRACTOR. GRASS TO BE HYBRID BERMUDA, UNLESS OTHERWISE APPROVED BY OWNER.
7. SOD LIMITS ARE TO BE DETERMINED AND AGREED TO ON-SITE BY THE OWNER AND LANDSCAPE CONTRACTOR.
8. OWNER MAY SUBSTITUTE DIFFERENT VARIETIES OF TREES, SHRUBS, GRASS, ETC. AND PLANT ADDITIONAL TREES & SHRUBS IF DESIRED, SUBJECT TO PRIOR APPROVAL BY THE CITY OF VICKSBURG LANDSCAPING DEPARTMENT.

DRAWING PREPARED BY:
 Carpenter Engineering, Inc.
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 Vicksburg, MS 39180
 Phone: 601-631-0470
 Fax: 601-634-6960
 email: ceinc@bellsouth.net
 Contact: Bobby Carpenter, P.E.
 Cell: 601-831-4859

NOTE:
 1. SEE "CIVIL SITE NOTES & LEGENDS" DRAWING.

REVIEW PLAN - NOT FOR CONSTRUCTION



FAIRFIELD INN & SUITES HOTEL VICKSBURG, MISSISSIPPI		
SCALE: 1" = 20'	CONSULTING CIVIL ENGINEER: BOBBY G. CARPENTER, P.E.	DRAWN BY: CEI
DATE: DECEMBER 2013		
LANDSCAPING PLAN		
CARPENTER ENGINEERING, INC. VICKSBURG, MISSISSIPPI		DRAWING NUMBER: C-8

Drawing Date: December 4, 2013