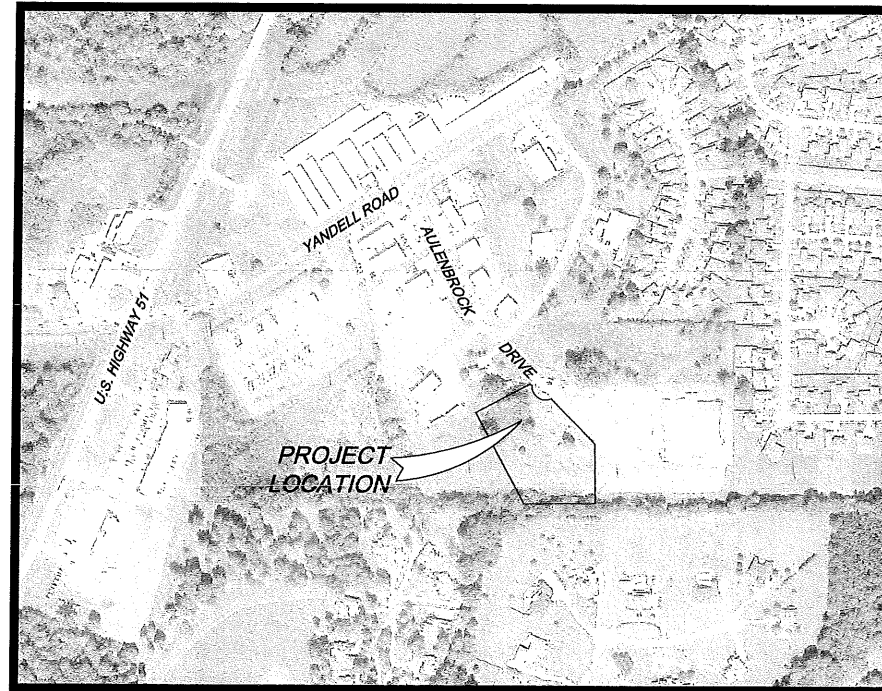
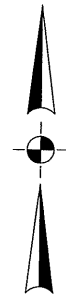


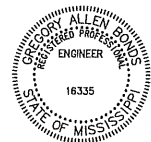
CONSTRUCTION PLANS FOR:  
**COMMERCIAL SITE**

LOCATION:  
 MADISON COUNTY, MISSISSIPPI  
 JANUARY, 2018



**VICINITY MAP**

**NOT FOR  
 CONSTRUCTION**



Gregory A. Bonds, P.E. \_\_\_\_\_ Date \_\_\_\_\_  
 Mississippi License No. 16335

Equipment, materials and construction of all improvements required in these plans shall be in accordance with these construction drawings & project specifications.

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OWNER:  
 ISIAH 30, LLC  
 115 AULENBROCK DRIVE  
 CANTON, MS 39046

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	PROJECT NUMBER <b>B-6272</b>

**GENERAL CONSTRUCTION NOTES:**

- IT IS NOT THE INTENT OF THESE CONSTRUCTION DRAWINGS, NOTES OR DETAILS TO COVER ALL OF THE REQUIREMENTS OF THE PROJECT SPECIFICATIONS.
- ALL ELEMENTS AND ITEMS NEEDED FOR THE COMPLETE INSTALLATION OF THE IMPROVEMENTS SHOWN IN THESE PLANS THAT ARE NOT SHOWN AS A SEPARATE PAY ITEM SHALL BE CONSIDERED AN ABSORBED COST.
- THE CONTRACTOR SHALL PROVIDE REASONABLE ACCESS TO ALL PROPERTIES IN THE PROJECT AREA THROUGHOUT CONSTRUCTION.
- 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 WITH THE MANUAL OR UNIFORM TRAFFIC CONTROL DEVICES. THIS WORK IS TO BE CONSIDERED AN INCIDENTAL ITEM AND THE COST OF THIS WORK IS TO BE INCLUDED IN OTHER PAY ITEMS.
- THE CONTRACTOR SHALL FURNISH ALL EFFORT, LABOR, EQUIPMENT AND MATERIALS REQUIRED TO PROPERLY, SAFELY AND ACCEPTABLY COMPLETE THE WORK IN A TIMELY MANNER. ALL WORK AND CONSTRUCTION PROCEDURES ARE SUBJECT TO THE APPROVAL OF THE ENGINEER/MADISON COUNTY/OWNER. THE CONTRACTOR WILL BE EXPECTED TO PROGRESS DILIGENTLY AND CONSISTENTLY ITS ACTIVITIES AND OPERATION ON ALL WORKING DAYS WHEN WEATHER AND SOIL CONDITIONS ARE SUITABLE THEREFOR. THE CONTRACTOR SHALL WARRANT HIS WORKMANSHIP AND MATERIALS APPLIED AND INSTALLED FROM THE DATE OF SUCH APPLICATION AND INSTALLATION UNTIL ONE YEAR AFTER ACCEPTANCE OF THE WORK BY THE OWNER.
- ALL EXISTING UTILITY LOCATIONS SHOWN ARE APPROXIMATE AND ARE BASED ON INFORMATION PROVIDED BY OTHERS. THE CONTRACTOR IS RESPONSIBLE FOR CONTRACTING THE UTILITY OWNER'S TO VERIFY THE LOCATION AND ELEVATION OF ALL EXISTING UTILITIES (POWER, TELEPHONE, GAS, WATER, SEWER, ETC.) LOCATED IN THE PROJECT AREA PRIOR TO CONSTRUCTION AND COMPARE HIS FINDINGS AGAINST THE PROPOSED IMPROVEMENTS REQUIRED IN THESE PLANS. SHOULD ANY DISCREPANCIES BE FOUND BETWEEN THE EXISTING CONDITIONS AND PROPOSED IMPROVEMENTS THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY IN WRITING AND AWAIT FURTHER INSTRUCTION.
- 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.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING THE INTEGRITY AND OPERATIONS OF ALL ABOVE AND BELOW GROUND UTILITY FACILITIES AT ALL TIMES. THE CONTRACTOR SHALL CONDUCT ITS ACTIVITIES AND OPERATIONS TO INSURE THE FUNCTIONAL INTEGRITY OF EACH UTILITY FACILITY LOCATED WITHIN THE WORK SITE. CONTRACTOR ASSUMES FULL RESPONSIBILITY FOR DAMAGE TO ANY UTILITIES ENCOUNTERED WITHIN THE CONSTRUCTION LIMITS WHETHER SHOWN ON NOT AND SHALL COORDINATE REPAIR, REPLACEMENT OR RELOCATION WITH THE APPROPRIATE UTILITY COMPANY AT NO COST TO THE OWNER.
- THE CONTRACTOR IS REQUIRED BY LAW TO NOTIFY MISSISSIPPI ONE CALL @ 811 AT LEAST 48 HOURS PRIOR TO CONSTRUCTION TO LOCATE ALL EXISTING UTILITIES ON SITE.
- THE CONTRACTOR WILL NOT BE RESPONSIBLE FOR DEMOLISHING OR REMOVING ANY EXISTING ABOVE OR BELOW GROUND TELEPHONE, CABLE, POWER, OR GAS LINES BUT SHALL BE RESPONSIBLE FOR COORDINATING HIS WORK WITH ALL LOCAL UTILITY COMPANIES.
- 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.
- THE CONTRACTOR SHALL MARK THE CONSTRUCTION LIMITS AND REVIEW WITH THE ENGINEER/OWNER PRIOR TO PERFORMING ANY CLEARING OPERATIONS.
- THE CONTRACTOR SHALL CAREFULLY PROTECT AND PRESERVE ALL SURVEY MARKERS OR MONUMENTS ENCOUNTERED DURING CONSTRUCTION.
- THE CONTRACTOR SHALL UTILIZE TEMPORARY FENCING AS REQUIRED BY LOCAL, STATE AND FEDERAL CODES TO PROTECT AND INSURE A SAFE WORK AREA.
- ALL MATERIAL THAT IS CONSIDERED UNSUITABLE FOR FILL MATERIAL SHALL BE REMOVED FROM THE SITE AND LEGALLY DISPOSED OF BY THE CONTRACTOR.
- THE CONTRACTOR SHALL ESTABLISH A VEGETATIVE COVER (TEMPORARY AND/OR PERMANENT) IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS ON ALL AREAS WHERE THE EXISTING VEGETATION WAS REMOVED OR DISTURBED DURING CONSTRUCTION.
- ALL TESTING SHALL BE DONE BY AN APPROVED TESTING LABORATORY AT THE EXPENSE OF THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING COPIES OF ALL TEST RESULTS TO THE ENGINEER. IF TESTING IS NOT A PAY ITEM IT SHALL BE ABSORBED.
- THE CONTRACTOR SHALL RESTORE ALL DISTURBED AREAS TO MATCH PRE-CONSTRUCTION CONDITION OR BETTER PRIOR TO COMPLETION OF THE PROJECT.
- THE CONTRACTOR SHALL PLACE ALL EXCAVATED MATERIAL IN LOCATIONS TO PREVENT EROSION INTO DRAINAGEWAYS. ALL AREAS DISTURBED BY EXCAVATED MATERIAL PLACEMENT TO BE RESTORED TO ITS ORIGINAL CONDITION.
- ALL EXCAVATIONS ARE TO BE BACKFILLED AT THE END OF EACH WORK DAY.
- ALL FENCING, SIDEWALKS, CURBS, FLOWER BEDS, PLANTERS, ETC. THAT IS DAMAGED DURING CONSTRUCTION WILL BE REPLACED AND RESTORED TO ITS ORIGINAL CONDITION AT NO COST TO THE OWNER.
- THE CONTRACTOR SHALL KEEP ALL ROADS CLEAN OF MUD AND DEBRIS AT ALL TIMES. CONTRACTOR MUST ENSURE THAT ROADS ARE CLEAN PRIOR TO LEAVING THE SITE FOR THE DAY. ALL CLEANING AND MAINTENANCE SHALL BE ABSORBED.
- 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 DAMAGED PRIOR TO THEIR REMOVAL. ONCE 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.
- CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING ANY AND ALL EXISTING STRUCTURES NECESSARY FOR COMPLETION OF WORK DESCRIBED IN THESE PLANS.
- ALL GRADING WORK SHALL BE PERFORMED IN A MANNER TO PROMOTE POSITIVE DRAINAGE AND KEEP THE EXISTING DRAINAGE PATTERNS. NO GRADING WORK SHALL ADVERSELY AFFECT ADJACENT PROPERTY OWNERS.
- PRIOR TO SUBMISSION OF ITS BID THE CONTRACTOR SHALL REVIEW THESE PLANS, THE ESTIMATED QUANTITIES FOR THE PRINCIPAL ITEMS OF WORK ON WHICH BIDDING IS TO BE BASED AND THE DOCUMENTS REFERENCED HEREIN. SUBMISSION OF ITS BID SHALL BE DEEMED A POSITIVE INDICATION THAT THE CONTRACTOR FOUND ALL OF SAME ADEQUATE FOR SUBMISSION OF A UNIT PRICE BID AND FOR INSTALLATION AND/OR CONSTRUCTION OF THE WORK.
- STATIONING AND LENGTHS SHOWN (STREET AND UTILITY) IS HORIZONTAL STATIONING MEASURED ON A LEVEL PLANE. ACTUAL LENGTH SHALL BE DETERMINED BY MEASUREMENT ALONG THE SLOPE OR CURVE.
- 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 TRAFFIC, MAINTAIN PROPER STORMWATER DRAINAGE, LOCATE AND AVOID DISRUPTING ALL EXISTING UTILITIES; TRANSPORT ALL EQUIPMENT AND MATERIALS AS REQUIRED BY 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.
- NO ACTIVITY REQUIRED FOR THE ACCOMPLISHMENT OF THE WORK IS TO BE PERFORMED WHEN SOIL CONDITIONS ARE NOT CONDUCTIVE THEREFOR. DRAINAGE 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.
- ELEVATIONS ARE BASED ON M.S.L. DATUM (NAVD 88).

**SITE GRADING AND PAVING NOTES:**

- TECHNICAL SPECIFICATION FOR MATERIALS AND CONSTRUCTION METHODS FOR THIS PROJECT SHALL CONFORM TO THE LATEST EDITION OF MISSISSIPPI STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.
- EARTH EXCAVATION SHALL INCLUDE CLEARING, STRIPPING, AND THE STOCKPILING OF TOPSOIL, REMOVING UNSUITABLE MATERIALS, THE CONSTRUCTION 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.
- 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 SELECT FILL SOILS AND COMPACTED PER SPECIFICATIONS/DIRECTED BY ENGINEER.
- AFTER CLEARING AND GRUBBING, STRIPPING (12" 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 FILL MATERIAL. THIS IS NOT A PAY ITEM, BUT SHALL BE AN ABSORBED COST.
- 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 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 OR FOR FURTHER EXCAVATION SHOULD THE 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.
- UNDERCUTTING AND BACKFILLING WILL BE REQUIRED TO REMOVE EXPANSIVE CLAYS (CH) IF PRESENT AND CREATE THE RECOMMENDED SOIL BUFFER DESCRIBED BELOW AT BUILDING STRUCTURE LOCATIONS AS DIRECTED BY THE OWNER AND AT ALL PAVEMENT AND SIDEWALK LOCATIONS.
- 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 10 TO 24 AND A LIQUID LIMIT LESS THAN 45. TO BE CLASSIFIED AS SILTY CLAYS (CL) THE FILL MATERIALS MUST HAVE MORE THAN 70% FINES PASSING THE NUMBER 200 SIEVE.
- RECOMMENDED SOIL BUFFER FOR THE BUILDINGS TO BE A MINIMUM OF 7" THICK AND EXTEND LATERALLY NOT LESS THAN 7' BEYOND THE STRUCTURE LIMITS.
- RECOMMENDED SOIL BUFFER FOR PAVEMENT AND SIDEWALK IS TO BE 3" THICK AND EXTEND LATERALLY NOT LESS THAN 3' BEYOND PAVEMENT, SIDEWALK EDGES.
- FILL SOILS SHOULD BE COMPACTED FROM LIFTS NOT EXCEEDING 9" IN LOOSE THICKNESS, TO NOT LESS THAN THE DENSITIES DESCRIBED IN SPECIFICATION SECTION 02220 & 02230 AT MOISTURE CONTENTS WITHIN 5 PERCENTAGE POINTS OF THE OPTIMUM WATER CONTENT. STABILITY MUST BE EVIDENT DURING COMPACTION OF EACH LIFT BEFORE ANY SUBSEQUENT LIFTS OF FILL MATERIAL ARE ADDED.
- FIELD MOISTURE/DENSITY TESTS SHALL BE PERFORMED FREQUENTLY IN THE SCARIFIED AND COMPACTED ON-SITE SOILS AND IN EACH COMPACTED LIFT OF FILL MATERIAL. TESTS TO BE PERFORMED AT A MINIMUM OF ONE TEST PER LIFT FOR EACH 2,000 S.F. OF SURFACE AREA FOR THE BUILDING PAD CONSTRUCTION AND ONE TEST PER LIFT FOR EACH 5,000 S.F. OF SURFACE AREA FOR THE PARKING LOT AND DRIVEWAYS. TEST RESULTS TO BE FAXED TO BENCHMARK ENGINEERING & SURVEYING, LLC AT 601-591-0711. A PROOF ROLL OF THE SUB-GRADE FOR THE CURB AND PARKING LOT IS ALSO REQUIRED PRIOR TO PLACEMENT OF CURB & GUTTER AND ASPHALT BASE. CONTRACTOR SHALL NOTIFY ENGINEER AT A MINIMUM OF 48 HOURS PRIOR.
- 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.
- 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.
- 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.
- PROPOSED ELEVATIONS INDICATE FINISHED CONDITIONS. FOR ROUGH GRADING ELEVATIONS ALLOW FOR THICKNESS OF PROPOSED ITEMS (ROADS, WALKS, DRIVES, ETC.) OR TOPSOIL, AS SHOWN.
- STREET PAVING AND CURBS TO REMAIN SHALL BE PROTECTED FROM DAMAGE, AND IF DAMAGED, SHALL BE REPLACED PROMPTLY.

**WATER & SEWER NOTES:**

- ALL MATERIALS AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH THESE PLANS AND PROJECT SPECIFICATIONS.
- THE CONTRACTOR SHALL PROVIDE ALL THE MATERIALS AND APPURTENANCES NECESSARY FOR THE COMPLETE INSTALLATION OF THE WATER AND SEWER UTILITIES.
- THE CONTRACTOR SHALL MAKE ALL TIES TO EXISTING UTILITIES AND COORDINATE THEM WITH BEAR CREEK WATER ASSOCIATION.
- ALL MANHOLES, VALVE BOXES, ETC. LOCATED IN PROJECT AREA SHALL BE ADJUSTED TO PROPER LINE AND FINISHED GRADE BY THE CONTRACTOR AFTER PLACING OF PAVEMENT AND BEFORE FINAL ACCEPTANCE.
- TRENCHING AND EMBEDEDMENT WORK SHALL CONFORM TO THE PROJECT SPECIFICATIONS AND SHALL FOLLOW THE TYPICAL CROSS-SECTION DETAIL FOR TRENCHING. UNLESS SPECIFIED OTHERWISE, BACKFILL MATERIAL SHALL BE COMPACTED TO 96% DENSITY.
- STANDARD PROCTOR IN ACCORDANCE WITH ASTM D-698. ALL BACKFILL MATERIAL SHALL BE COMPACTED IN 6" LAYERS. THE END OF WATER AND SEWER SERVICE LINES SHALL BE TIGHTLY CAPPED OR PLUGGED AND MARKED UNTIL SUCH TIME AS SERVICE CONNECTIONS ARE MADE OR LINES OR EXTENDED.
- ALL WATER AND SANITARY SEWER LINES SHALL BE INSTALLED WITH A MINIMUM OF THREE FEET (3') OF COVER OVER THE TOP OF THE PIPE AT FINISHED GRADE OR AS SHOWN OR NOTED 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.
- WATER LINE SHALL BE INSTALLED TO MAINTAIN A MINIMUM CLEARANCE OF 12" BELOW OR ABOVE EXISTING OR PROPOSED STORM DRAIN PIPING AND STRUCTURES THAT ARE PARALLEL TO OR INTERSECT THE WATER MAIN WHILE MAINTAINING THE MINIMUM COVER REQUIREMENTS.
- 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, OR SHALL BE FULLY ENCASED IN DUCTILE IRON PRESSURE PIPE WITHOUT ANY JOINT CLOSER THAN THREE (3') FEET TO THE CROSSING, OR SHALL BE FULLY ENCASED IN CONCRETE.
- ALL SANITARY SEWER SERVICES SHALL BE MARKED WITH A "Y" CUT INTO THE FACE OF THE CURB.
- ALL WATER SERVICE LINES SHALL BE INSTALLED 10" TO THE UPHILL SIDE OF THE SEWER SERVICE LINE UNLESS OTHERWISE SHOWN. SERVICE LINE LOCATION TO BE MARKED WITH A "W" CUT INTO THE FACE OF THE CURB.
- FIRE HYDRANT MAKE AND MODEL SHALL BE APPROVED BY BEAR CREEK WATER ASSOCIATION PRIOR TO INSTALLATION. FIRE HYDRANTS SHALL BE PAINTED WHITE.
- THE UTILITY CONTRACTOR SHALL BE RESPONSIBLE FOR TESTING THE WATER AND SEWER SYSTEM IN ACCORDANCE WITH THE SPECIFICATIONS AND SHALL NOTIFY THE ENGINEER AND BEAR CREEK WATER ASSOCIATION AT LEAST 48 HOURS IN ADVANCE OF PERFORMING ANY TESTS. A COPY OF ALL TEST RESULTS SHALL BE FAXED TO BENCHMARK ENGINEERING & SURVEYING, LLC @ 601-591-0711.
- FITTINGS SHALL BE OF MECHANICAL JOINT TYPE AND SHALL BE RESTRAINED BY THE USE OF MEGA-LUGS AND CONCRETE THRUST BLOCKING. MEGA-LUGS AND THRUST BLOCKS ARE ABSORBED IN THE PER FOOT OF PIPE OR IN THE FITTINGS PAY ITEM.
- THE LENGTHS OF THE SANITARY SEWER LINES ARE MEASURED FROM CENTER OF MANHOLE TO CENTER OF MANHOLE.
- FITTINGS FOR ALL APPLICATIONS OF WATER AND SEWER LINES WHICH ARE NOT AN ITEMIZED PAY ITEM SHALL BE AN ABSORBED COST.
- DISCONNECTS OR CONNECTIONS TO EXISTING WATER AND SEWER SYSTEM SHALL BE MADE DURING OFF-PEAK PERIODS AND COORDINATED WITH BEAR CREEK WATER ASSOCIATION.

**STORM DRAIN NOTES:**

- TECHNICAL SPECIFICATIONS FOR STORM DRAIN CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS AND THE LATEST EDITION OF MISSISSIPPI STANDARD SPECIFICATIONS FOR STATE AID ROAD AND BRIDGE CONSTRUCTION.
- JOINTS SHALL BE CONSTRUCTED AND JOINED TOGETHER IN SUCH A MANNER THAT NO SPILL THROUGH OF BACKFILL WILL OCCUR.
- ALL REINFORCED CONCRETE PIPE (R.C.P.) SHALL BE CLASS III UNLESS OTHERWISE NOTED AND WRAPPED IN FILTER CLOTH AT ALL JOINTS. LIFT HOLES TO BE GROUDED AND SEALED WATER TIGHT.
- ALL CORRUGATED PLASTIC PIPE (C.P.P.) SHALL BE HD PIPE AS MANUFACTURED BY ADS OR APPROVED EQUAL.
- R.C.P. REQUIRED UNDER ROADS. CONTRACTOR MAY USE C.P.P. BEHIND/UNDER CURB IN LIEU OF CONCRETE IF DESIRED. SHALL BE INSTALLED PER THE DETAILS.
- CONTRACTOR SHALL PROVIDE DRAIN HOLES OR BLOCK OUTS AT ALL CURB INLETS (TO BE GROUDED IN WHEN FINAL SURFACE COURSE IS APPLIED).
- THE LENGTH OF THE STORM DRAIN LINES ARE MEASURED FROM THE CENTER OF THE INLET/JUNCTION BOX TO THE CENTER OF THE INLET/JUNCTION BOX.
- OPEN OUTLET ENDS OF CORRUGATED PLASTIC PIPE TO BE ANCHORED SECURELY INTO GROUND.
- INLET/JUNCTION BOX SIZES TO BE DETERMINED BY CONTRACTOR OR MANUFACTURER BASED ON THE PIPE SIZES AND THE ENTRY/EXIT ANGLE OF THE CURBVERTS.
- PAD ELEVATIONS AND FINISHED GRADE CONTOURS ARE RECOMMENDATIONS. FINISHED PAD ELEVATIONS AND ACTUAL GRADES MAY VARY BUT THE OVERALL DRAINAGE PATTERN SHALL REMAIN AS SHOWN IN THESE DRAWINGS.
- CURB INLET TOPS SHALL MATCH THE LONGITUDINAL SLOPE OF THE ROADWAY/CURB WHEN COMPLETE.
- CURB INLET TOPS SHALL NOT BE SECURED/POURED UNTIL THE CURB HAS BEEN INSTALLED. JUNCTION BOX AND GRATE INLET TOPS SHALL NOT BE SECURED UNTIL FINAL GRADING HAS TAKEN PLACE.
- JUNCTION BOX AND GRATE INLET TOPS TO BE FIELD ADJUSTED ONCE FINAL GRADING HAS TAKEN PLACE.

**EROSION CONTROL NOTES:**

- "TEMPORARY EROSION CONTROL" PAY ITEM INCLUDES ALL ITEMS SHOWN ON THE CONTRACT DRAWINGS AND ALL ITEMS REQUIRED TO STAY IN COMPLIANCE WITH THE REQUIREMENTS OF THE MADISON COUNTY AND THE MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY (MDEQ).
- EROSION CONTROL ITEMS DEPICTED ON THE CONTRACT DRAWINGS ARE THE MINIMUM REQUIREMENTS. CONTRACTOR IS RESPONSIBLE TO INSTALL ADDITIONAL ITEMS AS NEEDED TO MEET ABOVE MENTIONED REQUIREMENTS.
- THE CONTRACTOR SHALL TAKE ALL NECESSARY MEASURES TO CONTROL EROSION AND STORM WATER POLLUTION THROUGHOUT THE CONSTRUCTION PERIOD IN ACCORDANCE WITH THE REQUIREMENTS OF THE MDEQ. THIS INCLUDES BUT IS NOT LIMITED TO PROPER INSTALLATION AND MAINTENANCE OF ALL TEMPORARY AND PERMANENT MEASURES, INSPECTIONS, INSPECTION REPORTS, AND UPDATES TO EROSION CONTROL PLAN SHOWING FAILURES, REPAIRS AND ADDITIONAL MEASURES TAKEN.
- ALL TEMPORARY EROSION CONTROL MEASURES SHALL BE IN PLACE BEFORE ANY CONSTRUCTION ACTIVITIES BEGIN.
- CLEARING AND GRUBBING SHALL BE HELD TO THE MINIMUM WIDTH NECESSARY TO ACCOMMODATE IMPROVEMENTS.
- EMBANKMENTS AND EXCAVATED AREAS SHALL BE PROMPTLY STABILIZED TO MINIMIZE EROSION.
- WATTLE EROSION CHECKS, SILT FENCING OR OTHER APPROVED BMP'S 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, DITCH OR ADJACENT PROPERTY.
- ANY STOCKPILED SOIL OR FILL MATERIAL SHALL BE LOCATED AND TREATED IN A MANNER TO PREVENT SILT FROM ENTERING STREAMS, DITCHES OR ADJACENT PROPERTY. NO EXCAVATED MATERIAL SHALL BE DISCHARGED FROM THE CONSTRUCTION LIMITS.
- THE CONTRACTOR SHALL DISPOSE OF ALL EXCAVATED MATERIAL IN A LOCATION APPROVED BY THE ENGINEER.
- ALL SOIL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE CONTINUALLY MAINTAINED. THE CONTRACTOR SHALL KEEP ALL AREAS ADJACENT TO THE LIMITS OF CONSTRUCTION FREE OF MUD AND DEBRIS.
- CONTRACTOR SHALL COMPLY WITH THE EROSION CONTROL REQUIREMENTS OF THE MADISON COUNTY AND THE REQUIREMENTS OF THE MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY.
- CONTRACTOR TO UTILIZE APPROVED BEST MANAGEMENT PRACTICES FOR EROSION AND SEDIMENT CONTROL.
- ALL DISTURBED AREAS NOT PAVED SHALL BE SEEDED, MULCHED, FERTILIZED AND WATERED AS REQUIRED TO PREVENT EROSION.
- ALL EROSION CONTROL DEVICES SHALL REMAIN IN PLACE UNTIL THE DISTURBED UPSTREAM AREA HAS BEEN INSPECTED BY THE ENGINEER AND APPROVAL HAS BEEN GIVEN FOR REMOVAL.
- CONTRACTOR WILL PROVIDE A STORAGE AREA FOR ALL POTENTIALLY TOXIC MATERIALS THAT ARE TO BE STORED ON SITE. THE LOCATION OF THIS AREA SHALL BE COORDINATED WITH THE ENGINEER/MADISON COUNTY.
- FUEL AND MATERIAL STORAGE AREAS SHALL BE LOCATED AS FAR AWAY FROM ANY DITCHES OR STREAMS AS POSSIBLE. A 60MIL POLYETHYLENE LINER IS REQUIRED UNDER FUEL TANKS.
- CONTRACTOR WILL BE RESPONSIBLE FOR ANY REPAIRS OR REPLACEMENT REQUIRED TO RESTORE AREAS TO THEIR ORIGINAL CONDITION WHERE EROSION CONTROL MEASURES FAILED.

**STANDARD ABBREVIATIONS, SYMBOLS & LINETYPES**

**ABBREVIATIONS**

#	POUND
ASBY.	ASSEMBLY
AVG.	AVERAGE
E.F.E.	BASE FLOOR ELEVATION
BLDG.	BUILDING
BM	BENCHMARK
C	CHORD LENGTH
E	CENTERLINE
E.C.	CURB INLET
CONC.	CONCRETE
CONST.	CONSTRUCTION
C.M.P.	CORRUGATED METAL PIPE
C.P.P.	CORRUGATED PLASTIC PIPE
C.Y.	CUBIC YARD
DIA.	DIAMETER
D.I.P.	DUCTILE IRON PIPE
DBL	DOUBLE
DRWG.	DRAWING
EA.	EACH
EASE.	EASEMENT
EP	EDGE OF PAVEMENT
EX.	EXISTING
EXST.	EXISTING
EXT.	EXTENSION
E.W.	EACH WAY
F.E.S.	FLARED END SECTION
F.F.E.	FINISHED FLOOR ELEVATION
F	FLOWLINE (EQUALS WHEN)
FM	SANITARY SEWER FORCE MAIN
GV	GATE VALVE
G	GRATE INLET
HORIZ.	HORIZONTAL
HWY.	HIGHWAY
HYDRANT	HYDRANT
INVT	INVERT (EQUALS FLOWLINE)
JB	JUNCTION BOX
LB	POUND
L.F.	LINEAR FEET (HORIZONTAL)
MAX.	MAXIMUM
MH	SANITARY SEWER MANHOLE
MNH.	MINIMUM
MJ	MECHANICAL JOINT
N.T.S.	NOT TO SCALE
O.C.	ON CENTER
PC	POINT OF CURVATURE
PERM.	PERMANENT
PI	POINT OF INTERSECTION
PROP.	PROPOSED
PT	POINT OF TANGENCY
R	RADIUS
R.C.P.	REINFORCED CONCRETE PIPE
R.C.A.P.	REINFORCED CONCRETE ARCH PIPE
RD.	ROAD
REQD.	REQUIRED
RET. WALL	RETAINING WALL
R.O.W./ROW	RIGHT OF WAY
RR	RAILROAD
SD	STORM DRAIN
SHLDR.	SHOULDER
SS	SANITARY SEWER
STA.	STATION
STD.	STANDARD
S.Y.	SQUARE YARD
T	TANGENT LENGTH
TBM	TOP BACK OF CURB
TEMP.	TEMPORARY BENCHMARK
TOE	TOE OF SLOPE
TOP	TOP OF BANK
TP	TOP OF PAVEMENT (ALL TYPES)
TRIPLE	TRIPLE
TS	TOP OF SIDEWALK
TYP.	TYPICAL
VERT.	VERTICAL

**SYMBOLS**

	PROP. SS MH
	PROP. SS CLEANOUT
	PROP. CI (SINGLE)
	PROP. CI (SINGLE EXT.)
	PROP. CI (DBL. EXT.)
	PROP. GRATE INLET
	PROP. JB
	PROP. FIRE HYDRANT ASSY.
	PROP. GATE VALVE ASSY.
	PROP. SPOT ELEV.
	TEMP. BU
	PROP. WATER METER ASSY.
	PROP. BACKFLOW ASSY.
	EX. POWER POLE
	EX. SS MH
	EX. SS LIFT STATION
	EX. GATE VALVE ASSY.
	EX. R.B.
	SET IRON PIN
	EX. RR TRACKS
	FOUND IRON PIN
	EX. SIDEWALK
	EX. SS
	EX. STRIPING
	EX. TOE SLOPE
	EX. TOP BANK
	EX. CI (DBL. EXT.)
	EX. GRATE INLET
	PROP. SS MH LABEL
	PROP. SD STRUCTURE LABEL
	EX. FIRE HYDRANT ASSY.
	PROP. EP
	PROP. CASING
	EX. F.E.S.
	PROP. WATTLE
	F.E.S. INLET PROTECTION
	PROP. CI PROTECTION ON SLOPE
	PROP. CI PROTECTION IN SAG
	PROP. GI PROTECTION

**HATCHES**

	FLOOD ZONE AE
	FLOOD ZONE X
	LIGHT DUTY ASPHALT
	HEAVY DUTY ASPHALT
	BLDG.
	CONC.
	RIIP-RAP
	CONST. ROAD
	GRASS SEED REQ'D.

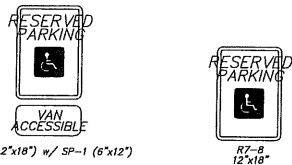
**LINETYPES**

	EX. ADJACENT PROPERTY LINE
	EX. AT&T LINE
	EX. BLDG. LINE
	EX. E ROAD
	EX. COMCAST UNDERGROUND
	EX. CONC.
	EX. CULVERT
	EX. CURB
	EX. DITCH & EASE
	EX. EDGE OF GRAVEL
	EX. EP
	EX. FENCE BARBED WIRE
	EX. FENCE CYCLOPE
	EX. FENCE WROUGHT IRON
	EX. FENCE WOOD
	EX. FIBER OPTIC
	EX. GAS LINE
	EX. GROUND CONTOUR LINE
	EX. LANDSCAPING
	EX. POWER (OVERHEAD)
	EX. POWER (UNDERGROUND)
	EX. RET. WALL
	EX. R.B.
	EX. RR TRACKS
	EX. SIDEWALK
	EX. SS
	EX. STRIPING
	EX. TOE SLOPE
	EX. TOP BANK
	EX. TREE LINE
	EX. WATER'S EDGE
	EX. WATER LINE
	BASE FLOOR ELEVATION LINE & ELEV.
	FLOODWAY LINE
	FLOOD ZONE LINE
	PROP. EP
	PROP. CASING
	PROP. CENTERLINE
	PROP. CLEARING LIMITS
	PROP. CURB
	PROP. EASE.
	PROP. FENCE BARBED WIRE
	PROP. FENCE CYCLOPE
	PROP. FENCE WROUGHT IRON
	PROP. FINISHED GRADE CONTOUR LINE
	PROP. SHOULDER
	PROP. GAS LINE
	PROP. PHASE LINE
	PROP. PROPERTY
	PROP. RET. WALL
	PROP. SD CULVERT
	PROP. SEBRACKS
	PROP. SIDEWALK
	PROP. SILT FENCE
	PROP. SS FM
	PROP. SS LINE
	PROP. SS SERVICE LINE
	PROP. SHALE/DRAIN PATH
	PROP. WATER EDGE
	PROP. WATER LINE
	PROP. WATER SERVICE LINE

**BENCHMARK ENGINEERING & SURVEYING, LLC**  
 115 ALLENBROCK DRIVE  
 CANTON, MISSISSIPPI 39046  
 TEL: 601-591-1077 FAX: 601-591-0711  
 E-MAIL: bmark@benchmarkms.com

DATE: 07/04/18	DRAWN: GAB
CHECKED: GAB	SCALE:
REF: C/L	
EG. SURFACE	
FG SURFACE	

PROJECT LOCATION:	115 ALLENBROCK DRIVE
	CANTON,



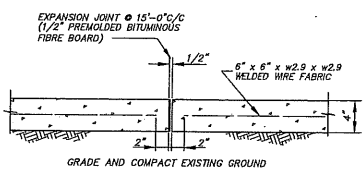
R7-B (12"x18") w/ SP-1 (6"x12")  
 R7-B (12"x18")

**VAN ACCESSIBLE (GREEN AND BLUE ON WHITE)**

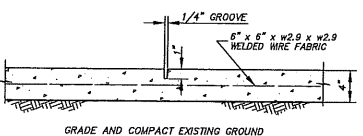
NOTES:

1. ALL PAVEMENT MARKINGS SHALL BE BLUE. (CURB FACE OR PARKING BLOCKS SHALL BE PAINTED BLUE.)
2. PARKING BLOCKS REQUIRED WHERE NO CURB EXIST TO PROTECT SIGN.
3. ALL STRIPING AND SIGNAGE (HEIGHT, LOCATION, COLORS, ETC.) TO MEET ADA & CITY REQUIREMENTS.

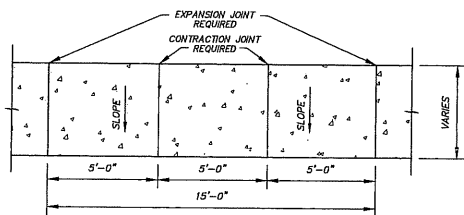
**TYPICAL HANDICAPPED SIGNAGE DETAIL**



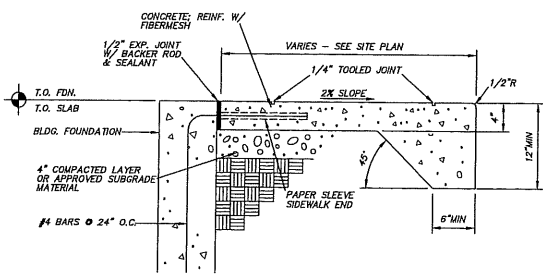
**SIDEWALK EXPANSION JOINT DETAIL**  
N.T.S.



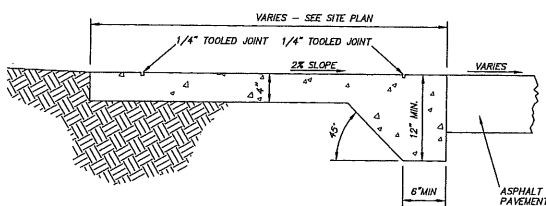
**SIDEWALK CONTRACTION JOINT DETAIL**  
N.T.S.



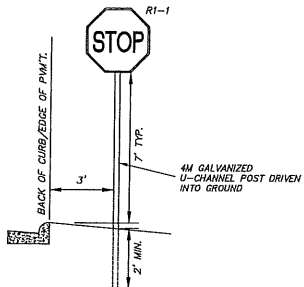
**SIDEWALK JOINT LAYOUT DETAIL**  
N.T.S.



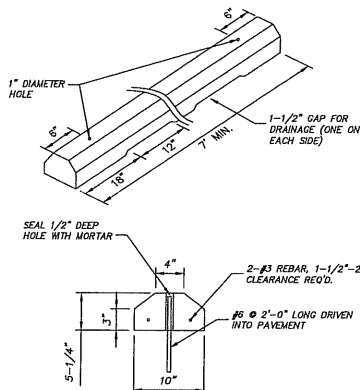
**SIDEWALK AT BACK OF BUILDING**  
N.T.S.



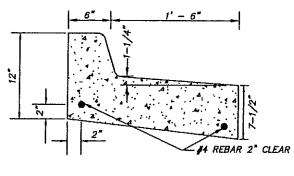
**SIDEWALK FLUSH w/ ASPHALT PAVEMENT**  
N.T.S.



**TRAFFIC SIGN INSTALLATION**  
N.T.S.



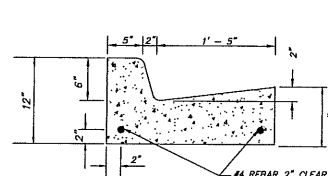
**PRECAST CONCRETE WHEEL STOP**  
N.T.S.



CURB AND GUTTER NOTES:

1. CURB AND GUTTER SHALL BE 3000 PSI MINIMUM CONCRETE.
2. PROVIDE EXPANSION JOINTS WITH 1/2" EXPANSION MATERIAL AT INTERVALS NOT TO EXCEED SIXTY (60) FEET. TWO 3/4" DOSEL BARS HELD IN PLACE BY APPROVED CHAIRS OR SUPPORTS, 15" IN LENGTH REQ'D. AT EXPANSION JOINTS.
3. PROVIDE CONTRACTION JOINTS IN THE CURB AND GUTTER TOoled 1/4" AT INTERVALS NOT TO EXCEED TEN (10) FEET.
4. GUTTER SECTION TO MATCH CROSS SLOPE OF ADJACENT PAVEMENT TO PROMOTE POSITIVE DRAINAGE.

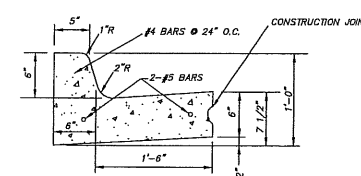
**CURB AND REVERSED GUTTER, STANDARD CURB - MODIFIED**



CURB AND GUTTER NOTES:

1. CURB AND GUTTER SHALL BE 3000 PSI MINIMUM CONCRETE.
2. PROVIDE EXPANSION JOINTS WITH 1/2" EXPANSION MATERIAL AT INTERVALS NOT TO EXCEED THIRTY (30) FEET. TWO 3/4" DOSEL BARS HELD IN PLACE BY APPROVED CHAIRS OR SUPPORTS, 15" IN LENGTH REQ'D. AT EXPANSION JOINTS.
3. PROVIDE CONTRACTION JOINTS IN THE CURB AND GUTTER TOoled 1/4" AT INTERVALS NOT TO EXCEED TEN (10) FEET.
4. GUTTER SECTION TO MATCH CROSS SLOPE OF ADJACENT ASPHALT TO PROMOTE POSITIVE DRAINAGE.

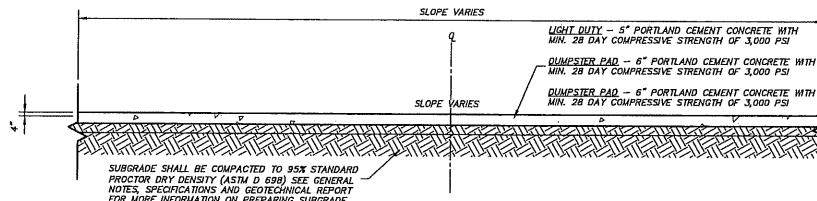
**STANDARD CURB AND GUTTER**



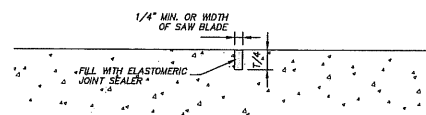
CURB AND GUTTER NOTES:

1. CURB AND GUTTER SHALL BE 3000 PSI MINIMUM CONCRETE.
2. PROVIDE EXPANSION JOINTS WITH 1/2" EXPANSION MATERIAL AT INTERVALS NOT TO EXCEED THIRTY (30) FEET. TWO 3/4" DOSEL BARS HELD IN PLACE BY APPROVED CHAIRS OR SUPPORTS, 15" IN LENGTH REQ'D. AT EXPANSION JOINTS.
3. PROVIDE CONTRACTION JOINTS IN THE CURB AND GUTTER TOoled 1/4" AT INTERVALS NOT TO EXCEED TEN (10) FEET.
4. GUTTER SECTION TO MATCH CROSS SLOPE OF ADJACENT ASPHALT TO PROMOTE POSITIVE DRAINAGE.

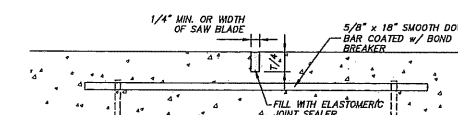
**INTEGRAL CURB FOR CONCRETE LOTS**



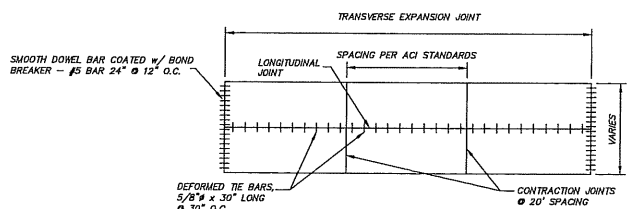
**TYPICAL SECTION OF RIGID PAVEMENT STRUCTURE FOR PARKING LOT & DUMPSTER PAD**



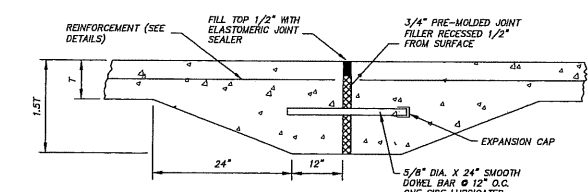
**CONTRACTION JOINT DETAIL**  
N.T.S.



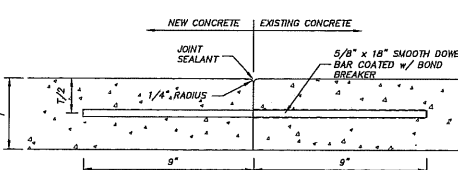
**LONGITUDINAL JOINT DETAIL**  
N.T.S.



**TYPICAL JOINT SPACING FOR RIGID PAVEMENT**  
N.T.S.



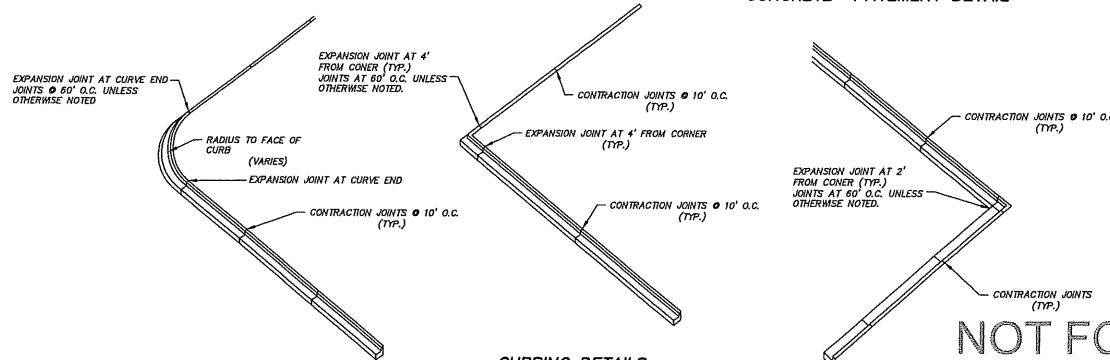
**TRANSVERSE EXPANSION JOINT DETAIL**  
N.T.S.



**PROPOSED CONCRETE PAVEMENT TO EXISTING CONCRETE PAVEMENT DETAIL**

- NOTES:
1. KEY TYPE JOINT SHALL BE USED ON ALL LONGITUDINAL CONSTRUCTION JOINTS WHEN ADJACENT LANE IS NOT POURED AT THE SAME TIME.
  2. ALTERNATIVE METHODS FOR KEY TYPE JOINT SHALL BE PRESENTED TO ENGINEER FOR APPROVAL PRIOR TO INSTALLATION.

**CONSTRUCTION JOINT DETAIL**



**CURBING DETAILS ISLANDS AND ANGLES**

**NOT FOR CONSTRUCTION**

**BENCHMARK ENGINEERING & SURVEYING, LLC**  
 101 Highway 61, Suite 101, Madison, Mississippi 39102  
 Phone: 662-266-1177  
 Email: bmark@benchmark.com

DATE: 07/04/18  
 CHECKED: GAB  
 DRAWN: GAB  
 SCALE: SCALE

PROJECT LOCATION:  
 115 AULENBROCK DRIVE  
 CANTON, MS 39046

CLIENT:  
 ISIAH 30 LLC  
 MADISON, MS

COMMERCIAL SITE  
 SHEET CONTENTS:  
 TYPICAL SECTION & MISCELLANEOUS DETAILS

SHEET NUMBER  
**C1.2**

PROJECT NUMBER  
 B-6272

DATE: 07/04/18	DRAWN: BCB	REVISIONS:
CHECKED: GAB	SCALE: 1"=20'	
REF: C/L	EG SURFACE:	
	FG SURFACE:	

PROJECT LOCATION: 115 AULENBROCK DRIVE CANTON, MS 39046
CLIENT: ISHAH 30 LLC MADISON, MS

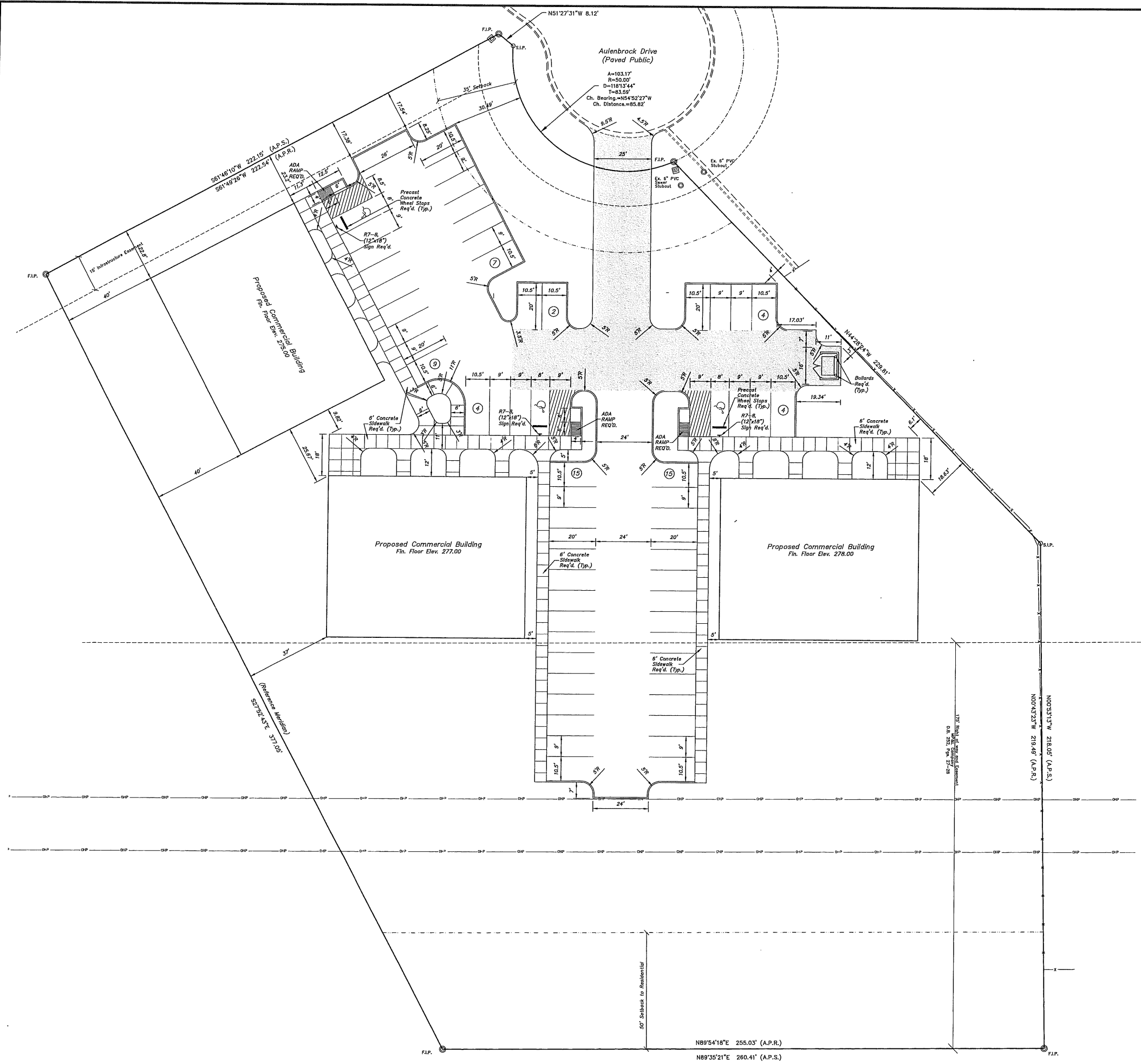
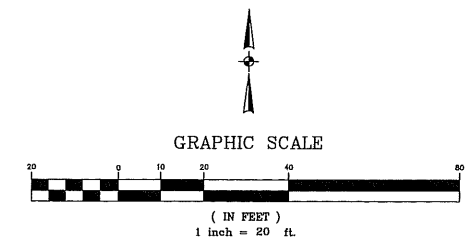
PROJECT: <b>COMMERCIAL SITE</b>
SHEET CONTENTS: <b>GEOMETRIC LAYOUT</b>

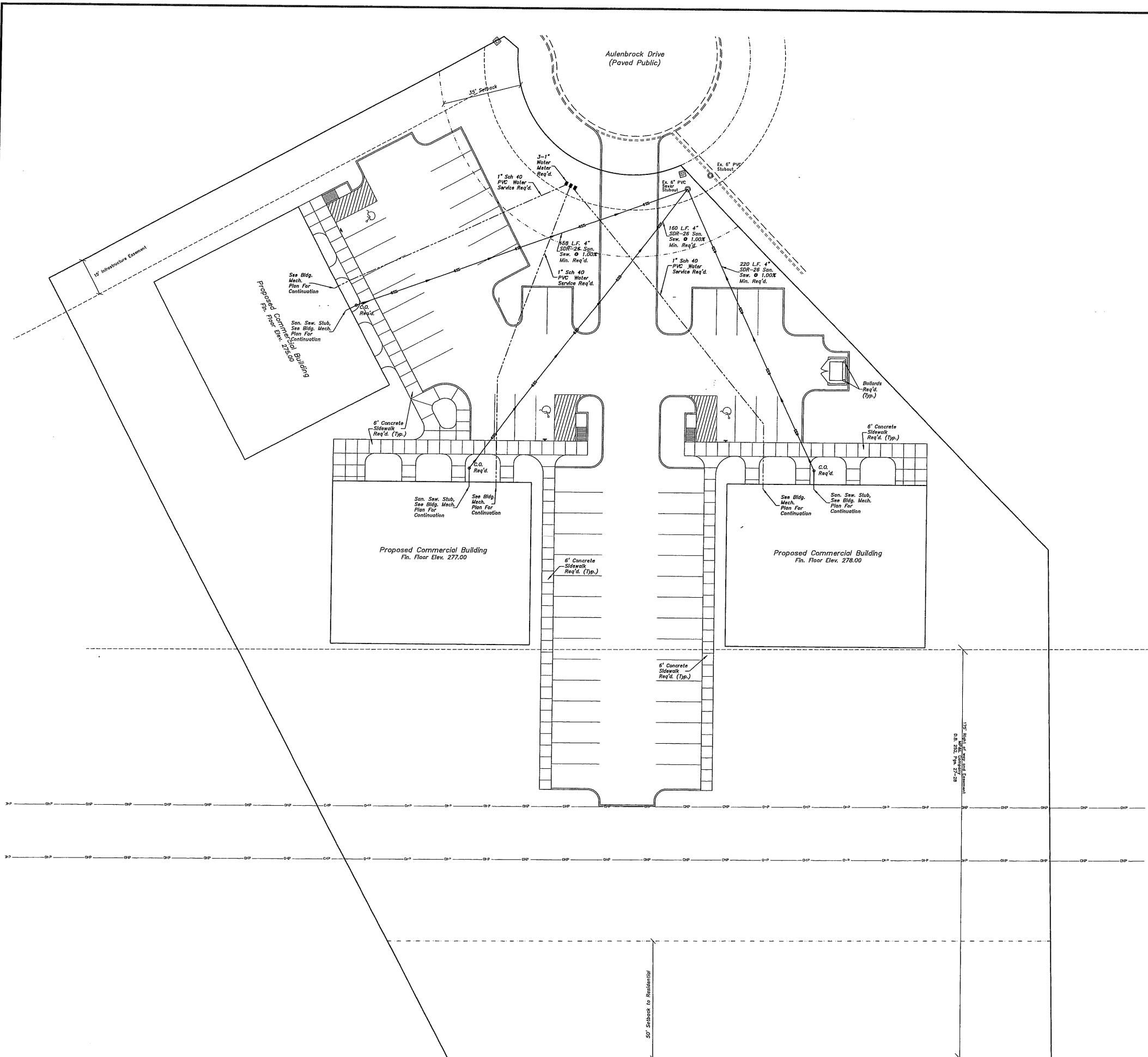
SHEET NUMBER: <b>C2.0</b>
PROJECT NUMBER: <b>B-6272</b>

**NOT FOR CONSTRUCTION**

**PROJECT SITE INFORMATION:**  
CURRENT ZONING - C-2, HIGHWAY COMMERCIAL DISTRICT  
MINIMUM SETBACK REQUIREMENTS:  
FRONT - 35', SIDE - 0', REAR - 50'  
TOTAL ACREAGE: 2.85 ac (123,859 ± s.f.)  
ACREAGE BREAKDOWN:  
BUILDING - 0.457 ac (18,060 ± s.f.), 17.02%  
SIDEWALKS - 0.232 ac (10,093 ± s.f.), 8.64%  
NEW DRIVES/PARKING - 1.054 ac (45,924 ± s.f.), 39.30%  
GREEN AREA - 0.940 ac (40,954.71 ± s.f.), 35.04%  
PARKING COUNT - 60 INCLUDING 3 HANDICAPPED

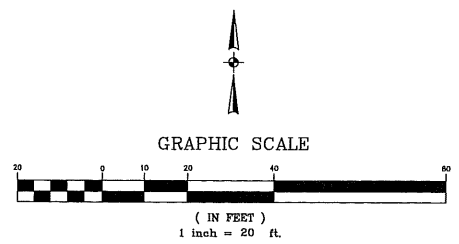
- NOTE:**
- RADIAL DIMENSIONS ARE MEASURED FROM THE BACK OF CURB.
  - SEE ARCHITECTURAL PLANS FOR MORE DETAILS ON THE BUILDINGS AND DUMPSTER ENCLOSURE.
  - SEE TYPICAL SECTIONS ON SHEET C1.2 FOR MORE DETAILS ON PAVING REQUIREMENTS.
  - THIS PARCEL IS LOCATED IN FLOOD ZONE X (NOT SHADED) ACCORDING TO FLOOD INSURANCE RATE MAP NO. 28089C0415F, COMMUNITY PANEL NO. 28022B 0415 F, EFFECTIVE DATE: MARCH 17, 2010.
  - IT IS THE OWNER'S RESPONSIBILITY TO OBTAIN PERMISSION TO PERFORM WORK ON ADJACENT PROPERTY FROM THE PROPERTY OWNERS SHOULD IT BE NECESSARY TO COMPLETELY INSTALL IMPROVEMENTS.
  - SEE LANDSCAPING PLANS, PLANS BY OTHERS FOR REQUIRED SIDEWALK AND RAMP MATERIALS & FINISHES.





**NOT FOR  
CONSTRUCTION**

- NOTES:
1. SEE CONSTRUCTION NOTES ON SHEET C1.1 & PROJECT SPECIFICATIONS FOR MORE INFORMATION.
  2. EXISTING UTILITIES SHOWN SHALL BE CONSIDERED APPROXIMATE. ADDITIONAL UTILITY LINES THAT ARE NOT SHOWN ON THE DRAWING MAY LIE WITHIN THE PROJECT AREA. CONTRACTOR TO CONTACT MISSISSIPPI ONE CALL AT 811 FOR A UTILITY LOCATE PRIOR TO BEGINNING CONSTRUCTION.
  3. 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.
  4. CONTRACTOR SHALL COORDINATE ALL WORK DIRECTLY INVOLVING, CROSSING OR IN THE VICINITY OF AN EXISTING UTILITY LINE WITH UTILITY PROVIDER/OWNER.
  5. WATER AND SANITARY SEWER LINES TO BE INSTALLED ACCORDING TO THE PROJECT DETAILS AND SPECIFICATIONS.
  6. CLEANOUTS SHALL BE PLACED AS SHOWN OR AS REQUIRED BY PLUMBING CODE/DIRECTED BY ENGINEER.
  7. 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.
  8. TRACER WIRE REQUIRED ON ALL WATER LINES INCLUDING SERVICE LINES. ALL WIRE SHALL BE INSTALLED IN SUCH A MANNER AS TO BE ABLE TO PROPERLY TRACE ALL MAINS WITHOUT LOSS OR DETERIORATION OF SIGNAL OR WITH THE TRANSMITTED SIGNAL MIGRATING OFF THE TRACER WIRE. CONTRACTOR MAY USE TRACER WIRE ACCESS BOXES IF REQUIRED TO ACHIEVE SUCH.

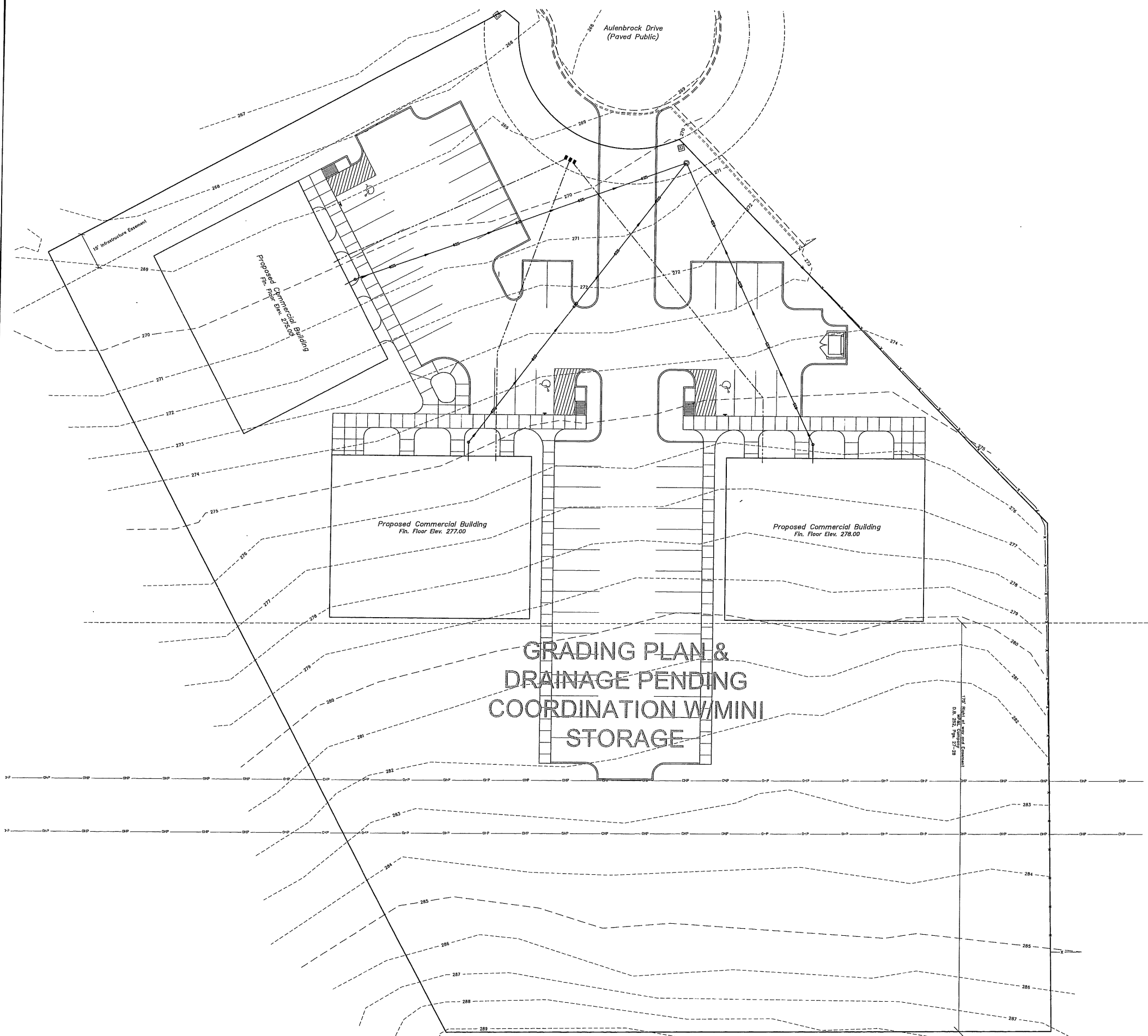


DATE: 01/04/18	DRAWN: BCB	SCALE: 1"=20'
CHECKED: GAB	REF C/L:	
ES SURFACE:	FG SURFACE:	

PROJECT LOCATION:  
115 AULENBROCK DRIVE  
CANTON, MS 39046  
CLIENT:  
ISHAH 30 LLC  
MADISON, MS

PROJECT: **COMMERCIAL SITE**  
SHEET CONTENTS: **UTILITY LAYOUT**

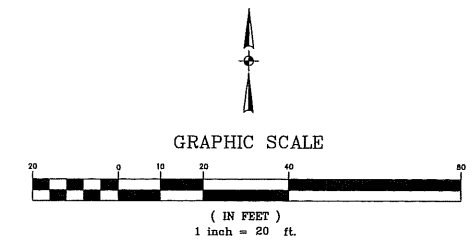
SHEET NUMBER  
**C3.0**  
PROJECT NUMBER  
**B-6272**



NOT FOR  
CONSTRUCTION

NOTES:

1. SEE CONSTRUCTION NOTES ON SHEET C1.1 & PROJECT SPECIFICATIONS FOR MORE INFORMATION.
2. EXISTING UTILITIES SHOWN SHALL BE CONSIDERED APPROXIMATE. ADDITIONAL UTILITY LINES THAT ARE NOT SHOWN ON THE DRAWING MAY LIE WITHIN THE PROJECT AREA. CONTRACTOR TO CONTACT MISSISSIPPI ONE CALL AT 811 FOR A UTILITY LOCATE PRIOR TO BEGINNING CONSTRUCTION.
3. 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.
4. CONTRACTOR SHALL COORDINATE ALL WORK DIRECTLY INVOLVING, CROSSING OR IN THE VICINITY OF AN EXISTING UTILITY LINE WITH UTILITY PROVIDER/OWNER.
5. INVERT ELEVATIONS SHOWN ON THE PLANS FOR THE STORM DRAIN STRUCTURES AND CULVERTS REPRESENT THE FLOWLINE. CONTRACTOR TO ACCOUNT FOR PIPE OR STRUCTURE THICKNESS WHEN INSTALLING.
6. THIS PARCEL IS LOCATED IN FLOOD ZONE X (NOT SHADED) ACCORDING TO FLOOD INSURANCE RATE MAP NO. 28089C0415F, COMMUNITY PANEL NO. 28022B 0415 F, EFFECTIVE DATE: MARCH 17, 2010.
7. SEE LANDSCAPING PLAN FOR MORE DETAIL ON SIDEWALKS AND HANDICAPPED RAMPS AS WELL AS REQUIRED VEGETATION SCHEDULE FOR GREEN AREAS.
8. SLOPES THAT ARE GREATER THAN 3:1 SHALL RECEIVE SOLID SOD.
9. ALL DISTURBED AREAS OUTSIDE THE SCOPE OF WORK ARE TO BE REPAIRED TO AS GOOD AS THE ORIGINAL CONDITION OR BETTER AT NO CHARGE TO THE OWNER. PICTURE DOCUMENTATION OF THESE AREAS SHALL BE PROVIDED BY THE CONTRACTOR PRIOR TO DISTURBING.



DATE: 07/04/18	DRAWN: BCB	REVISIONS:
CHECKED: GAB	SCALE: 1"=20'	
REF C/L:		
EG SURFACE:		
FG SURFACE:		

PROJECT LOCATION:  
115 AULENBROCK DRIVE  
CANTON, MS 39046  
CLIENT:  
ISAIAH 30 LLC  
MADISON, MS

PROJECT:  
**COMMERCIAL SITE**  
SHEET CONTENTS:  
**GRADING & DRAINAGE LAYOUT**

SHEET NUMBER  
**C3.1**  
PROJECT NUMBER  
**B-6272**

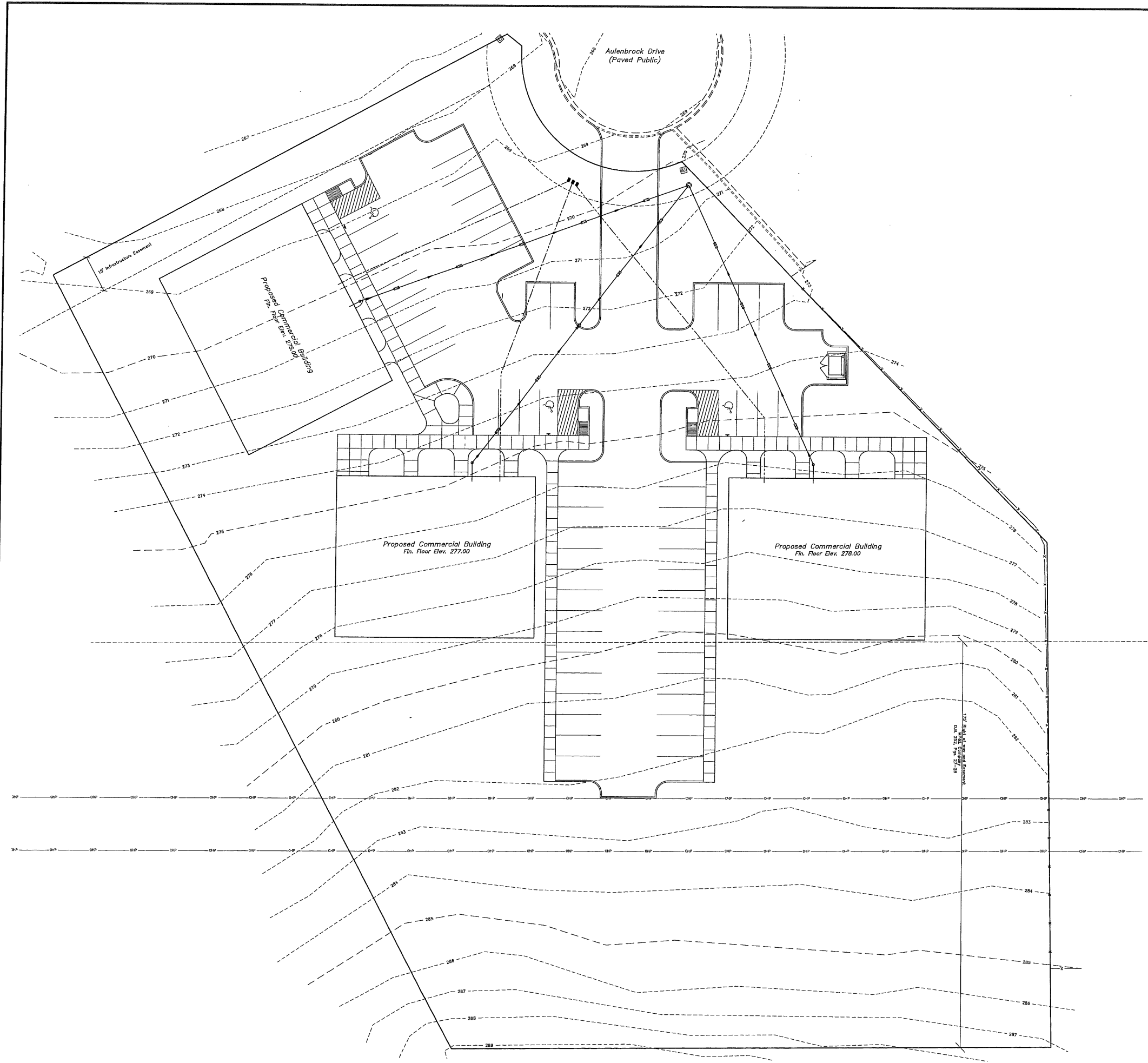
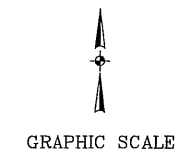
**NOT FOR  
CONSTRUCTION**

**CONSTRUCTION SEQUENCE**

Construction Activity	Schedule Consideration
Construction Access: Construction entrance, construction routes, equipment parking and materials storage area.	First land-disturbing activity, stabilize bare areas immediately with gravel and temporary vegetation as construction takes place, construct equipment and materials staging area. Install temporary sanitary facilities & trash containers.
Sediment Traps and Barriers: Sediment fences, straw bale barriers, inlet protection & sediment basins	Install principal basins after construction site is accessed. Install additional traps and barriers as needed during grading.
Runoff Control: Diversions, water bars, and outlet protection.	Install key practices after principal sediment traps and before land grading. Install additional runoff-control measures during grading.
Runoff Conveyance System: Stabilize stream banks, storm drains, channels, inlet and outlet protection, slope drains.	Where necessary, stabilize stream banks as early as possible. Install principal runoff conveyance with runoff control measures. Install remainder of system after grading.
Land Clearing and Grading: Site preparation, cutting, filling and grading, sediment basins, barriers, diversions, drains, surface roughening.	Begin major clearing and grading after principal sediment and key runoff control measures are installed. Clear borrow and disposal areas only as needed. Install additional control measures as grading progresses. Don't allow equipment or personnel within drip line of marked trees.
Surface Stabilization: Temporary and permanent seeding, mulching, sodding, and rip-rap.	Apply temporary or permanent stabilization measures immediately on all disturbed areas where work is delayed or complete.
Building Construction: Buildings, utilities, paving.	Install necessary erosion and sedimentation control practices as work takes place. Install a sealable materials storage container in staging area, construct a temporary concrete washout area.
Landscaping and Final Stabilization: Top soiling, trees and shrubs, permanent seeding, mulching, sodding, rip-rap.	Last construction phase - remove temporary concrete washout areas, stabilize all open areas, including borrow and spoil areas. Remove and stabilize all temporary control measures.

**EROSION CONTROL NOTES:**

- SEE NOTES ON SHEET C1.1 FOR MORE INFORMATION.
- 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.
- EROSION AND SEDIMENT CONTROL MEASURES ARE TO BE IMPLEMENTED PRIOR TO STARTING ANY CONSTRUCTION ACTIVITIES THAT DISTURB EXISTING GROUND.
- 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.
- 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.
- 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.
- 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.
- 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.
- CONTRACTOR TO CONTACT MISSISSIPPI ONE CALL @ 801-362-4374 AT LEAST 48 HOURS BEFORE IMPROVEMENTS ARE MADE.
- 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.
- SEE THE EROSION CONTROL DETAIL SHEET FOR MORE DETAIL ON THE INSTALLATION OF THE REQUIRED EROSION CONTROL MEASURES.
- 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.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT THE EROSION CONTROL MEASURES SHOULD, TO THE EXTENT PRACTICABLE:
  - DIVERT UP-SLOPE WATER AROUND DISTURBED AREAS OF THE SITE
  - LIMIT THE EXPOSURE OF DISTURBED AREAS TO THE SHORTEST AMOUNT OF TIME POSSIBLE
  - MINIMIZE THE AMOUNT OF SURFACE AREA THAT MUST BE DISTURBED
  - IMPLEMENT BEST MANAGEMENT PRACTICES TO MITIGATE ADVERSE IMPACTS FROM STORM WATER RUNOFF
  - REMOVE SEDIMENT THAT WOULD CONTRIBUTE TO OR CAUSE ADVERSE IMPACTS TO STATE WATERS FROM STORM WATER BEFORE IT LEAVES THE SITE



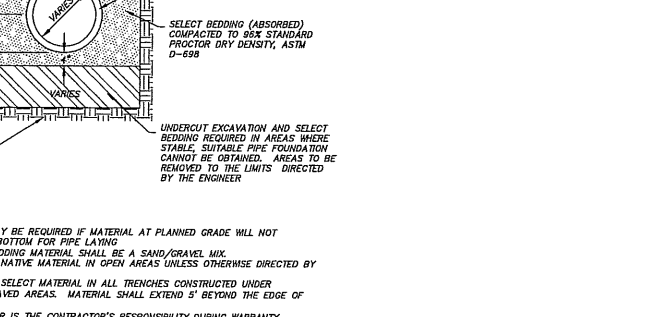
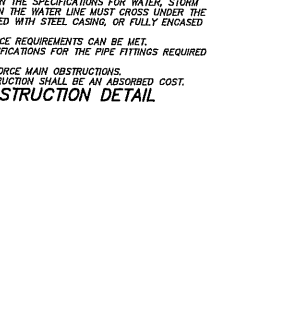
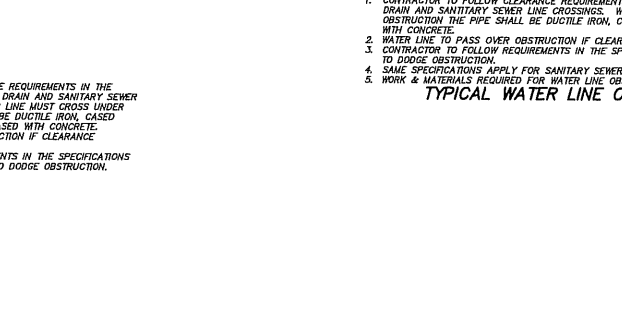
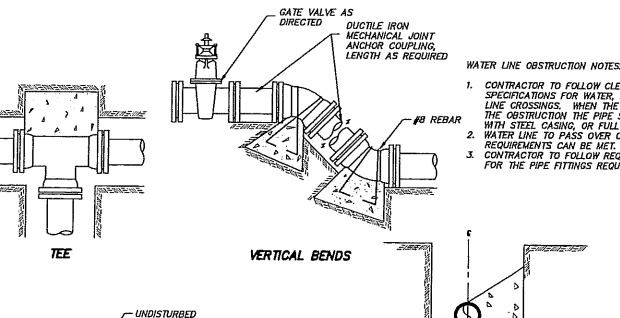
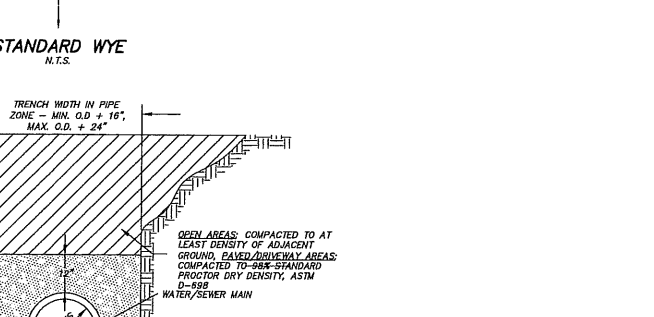
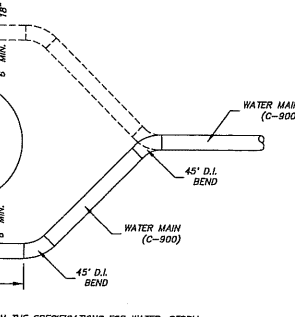
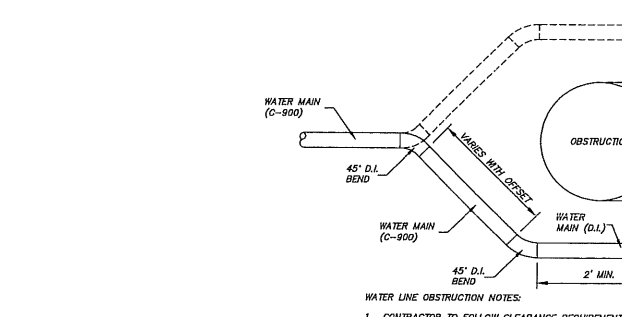
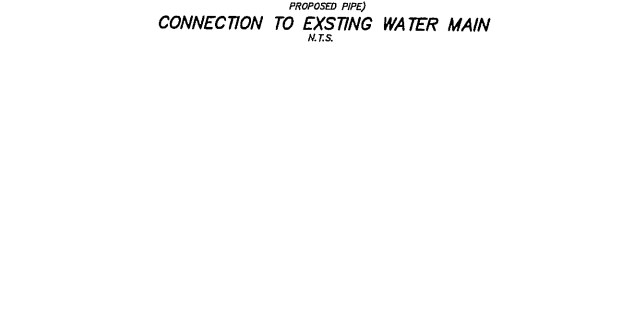
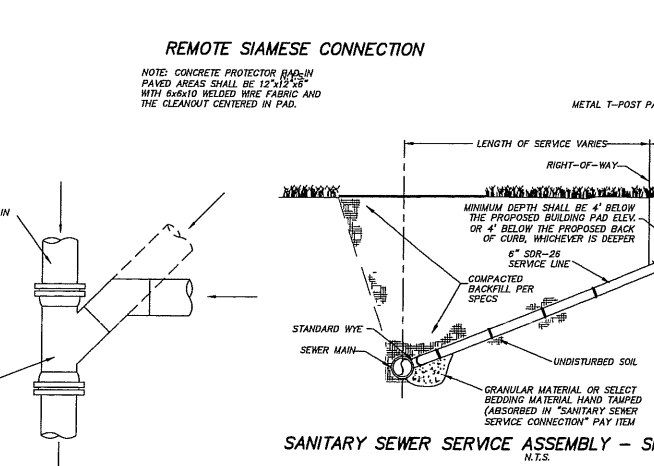
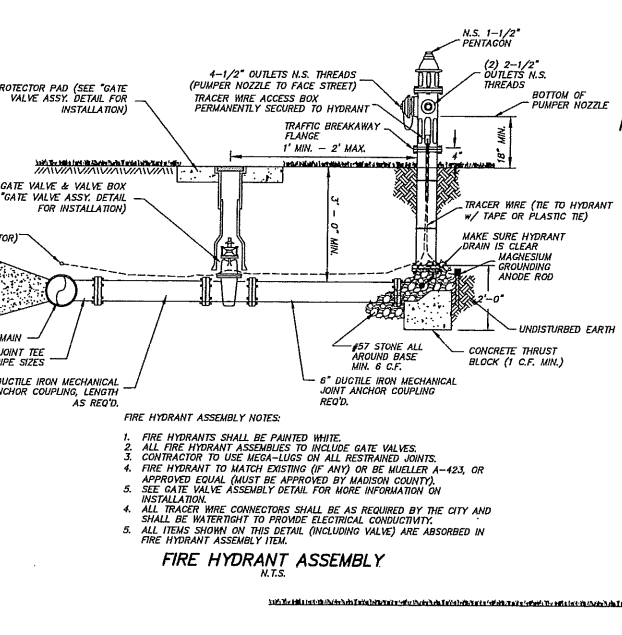
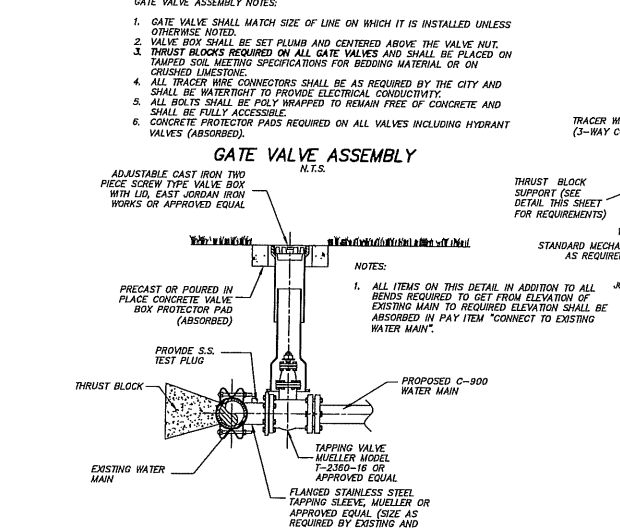
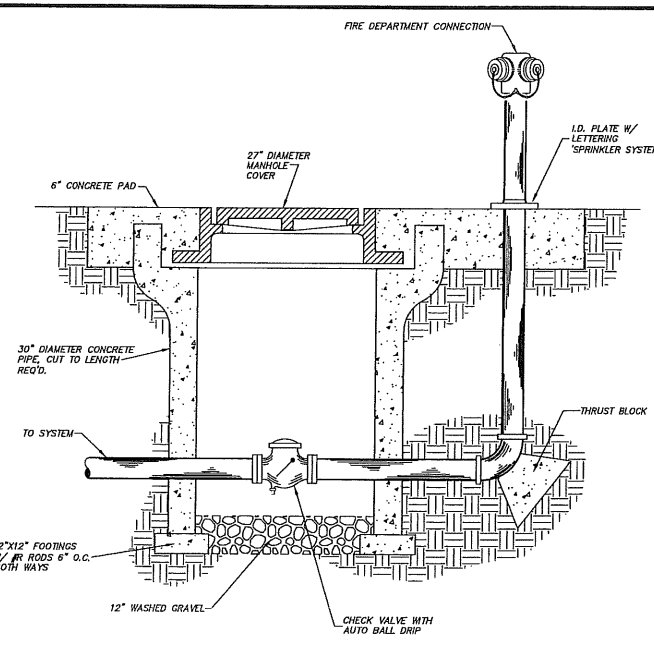
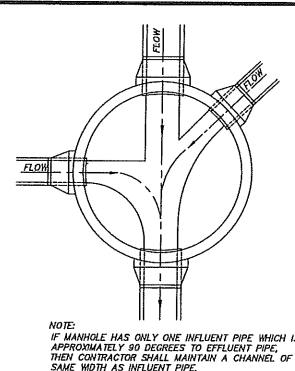
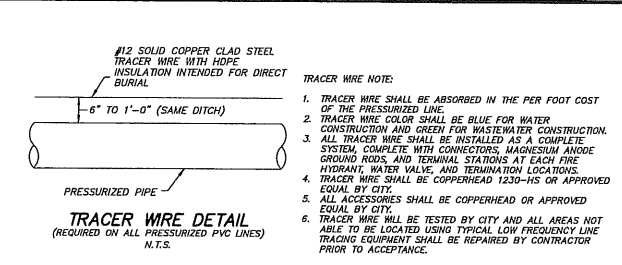
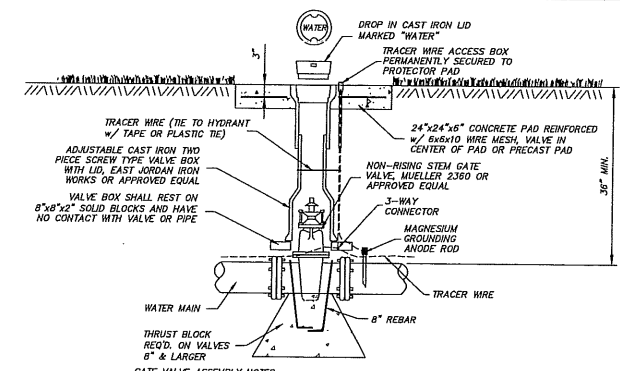
REVISIONS:

DATE	BY	DESCRIPTION
07/04/16	BCB	DATE: 07/04/16 DRAWN: BCB
	GAB	CHECKED: GAB SCALE: 1"=20'
	C/L	REF: C/L
	EG	EG SURFACE:
	FG	FG SURFACE:

PROJECT LOCATION:  
115 AULENBROCK DRIVE  
CANTON, MS 39046  
CLIENT:  
ISAIAH 30 LLC  
MADISON, MS

PROJECT:  
**COMMERCIAL SITE**  
SHEET CONTENTS:  
**EROSION CONTROL LAYOUT**

SHEET NUMBER  
**C3.2**  
PROJECT NUMBER  
**B-6272**



**TYPICAL CROSS SECTION**

NORMAL PIPE DIAMETER (IN.)	BEAD END, TEE, PLUG	90° BEND	45° BEND	22 1/2° BEND	11 1/4° BEND
4" OR LESS	2	2	2	1	1
6	3	4	3	2	2
8	5	7	4	2	2
10	8	12	6	3	3
12	12	18	9	5	3
14	14	18	11	6	4
18	18	20	12	7	6

**VERTICAL BENDS**

4" OR LESS	6" OR LESS	8" OR LESS	10" OR LESS	12" OR LESS	14" OR LESS	18" OR LESS
—	6.0(22)	4.0(15)	4.0(15)	4.0(15)	4.0(15)	4.0(15)
—	14.0(52)	6.0(22)	6.0(22)	6.0(22)	6.0(22)	6.0(22)
—	22.0(81)	8.0(31)	8.0(31)	8.0(31)	8.0(31)	8.0(31)
—	42.0(155)	16.0(67)	16.0(67)	16.0(67)	16.0(67)	16.0(67)
—	62.0(228)	22.0(81)	22.0(81)	22.0(81)	22.0(81)	22.0(81)
—	80.0(291)	40.0(151)	40.0(151)	40.0(151)	40.0(151)	40.0(151)
—	90.0(333)	52.0(193)	52.0(193)	52.0(193)	52.0(193)	52.0(193)

VOLUME OF BLOCKS INCLUDING SOIL LOAD (CU. FT. (CU. YDS.))

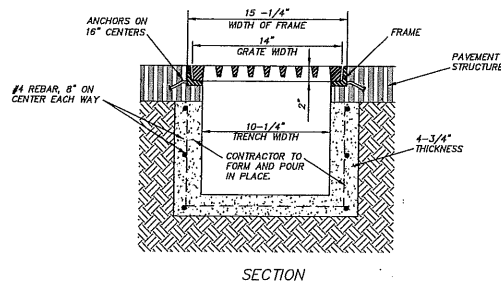
**TYPICAL THRUST BLOCK**  
N.T.S.

**TYPICAL THRUST BLOCK**  
N.T.S.

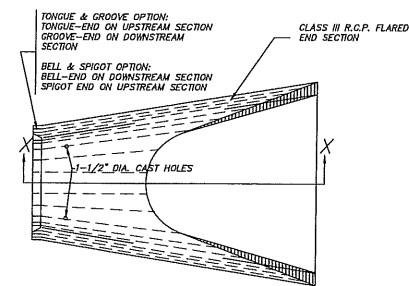
**TYPICAL THRUST BLOCK**  
N.T.S.

NOT FOR CONSTRUCTION



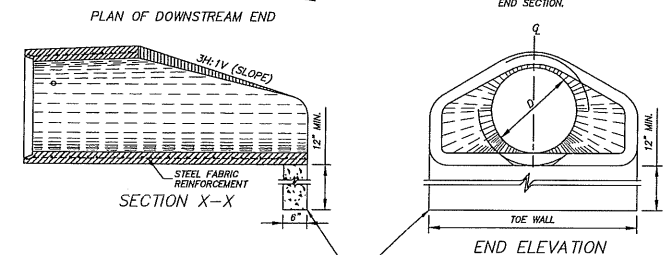


**TRENCH GRATE DETAIL**  
 FRAME: C.L. DEWS CATALOG NUMBER FS,  
 DESC. STEEL TRENCH FRAME  
 GRATE: C.L. DEWS CATALOG NUMBER DF-1424,  
 DESC. TRENCH GRATING (H-20 RATED)  
 FRAME AND GRATE TO BE INSTALLED ACCORDING  
 TO MANUFACTURER'S RECOMMENDATIONS

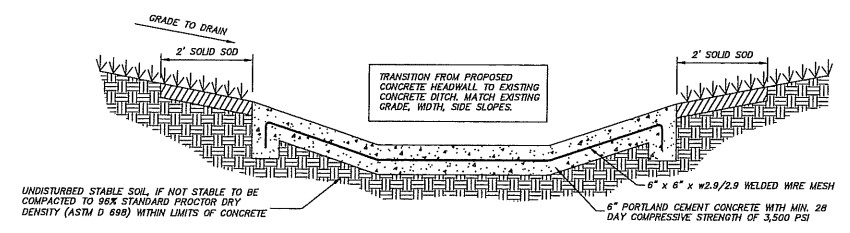


**CONCRETE FLARED END SECTION NOTES:**

1. ALL FLARED END SECTIONS SHALL BE PRECAST STRUCTURES MADE IN ACCORDANCE WITH THE REQUIREMENTS OF MDOT STANDARD DETAIL WORKING NUMBER FE-1, SHEET 328 FOR CLASS III CONCRETE ROUND PIPE AND WORKING NUMBER FE-1A, SHEET 329 FOR CLASS III CONCRETE ARCH PIPE.
2. ALL LIFT HOLES SHALL BE SEALED WITH NON-SHRINK GROUT PER MDOT SPECIFICATIONS FOR SEALING CONCRETE PIPE.
3. TOE WALL REQUIRED ON ALL FLARED END SECTIONS AND SHALL RUN FULL WIDTH OF FLARED END SECTION.



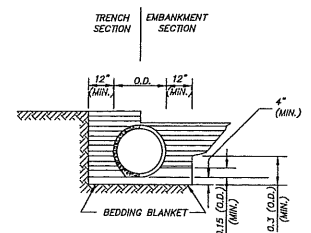
**CONCRETE FLARED END SECTION**  
 N.T.S.



**NOTES:**

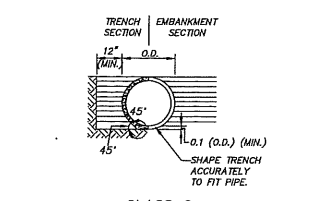
1. CONCRETE SHALL BE WARPED AS NEEDED TO TIE SMOOTHLY AT HEADWALL AND EXISTING CONCRETE DITCH.
2. CONCRETE SHALL FULLY WRAP AROUND (TOP AND BOTTOM) A MINIMUM OF 18\"/>

**TYPICAL CONCRETE DITCH**



CLASS OF PIPE	TYPE OF BACKFILL	MAXIMUM COVER (ft)	
		CLASS "C" BEDDING	CLASS "B" BEDDING
III	NORMAL	18"	28"
IV	NORMAL	23"	38"
V	NORMAL	30"	48"
IV	IMPERFECT	-	80"
V	IMPERFECT	-	115"

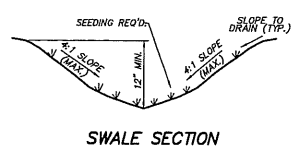
NOTE: CLASS OF PIPE AND BEDDING TO BE CONSISTENT THROUGHOUT THE PIPE LENGTH.



**GENERAL NOTES:**

1. ALL CONCRETE PIPES SHALL BE INSTALLED WITH CLASS C BEDDING UNLESS MATERIAL BELOW PIPE IS DEEMED UNSUITABLE BY ENGINEER. IN SUCH CASE UNSUITABLE SHALL BE EXCAVATED AS DIRECTED BY ENGINEER AND REPLACED WITH SELECT FILL. BEDDING BLANKET AS REQUIRED BY ENGINEER.
2. MINIMUM SPACING BETWEEN MULTIPLE LINES OF PARALLEL PIPE SHALL BE THE DISTANCE REQUIRED FOR INSTALLING THE ADJACENT FLARED END SECTIONS OR AS SHOWN ON THE HEADWALL DRAWINGS FOR CONDUITS REQUIRING HEADWALLS.
3. UNLESS OTHERWISE INDICATED, THE TOP OF THE PIPE SHALL BE BELOW THE TOP OF THE SUBGRADE, AND A MINIMUM OF 12\"/>

**CONCRETE PIPE INSTALLATION**  
 N.T.S.



**SWALE SECTION**

**NOT FOR CONSTRUCTION**

REVISIONS:

DATE	BY	DESCRIPTION
01/04/18	BCB	DRAWN
	GAB	CHECKED
	C/L	REF
		EG SURFACE
		FG SURFACE

PROJECT LOCATION:  
 115 AULENBROCK DRIVE  
 CANTON, MS 39046  
 CLIENT:  
 ISIAH 30 LLC  
 MADISON, MS

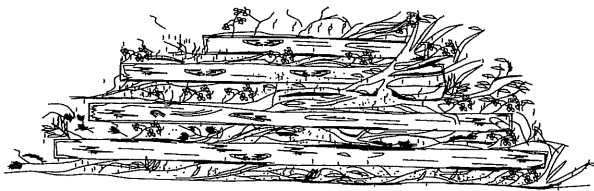
PROJECT:  
**COMMERCIAL SITE**  
 SHEET CONTENTS:  
**STORM DRAIN DETAILS**

SHEET NUMBER:  
**C4.1**  
 PROJECT NUMBER:  
 B-6272

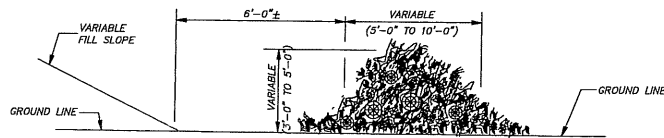
Species	Seeding Rate/Ac	Planting Time	Desired pH Range	Fertilization Rate/Ac	Method of Establishing
Common Bermuda	15 lbs. alone 10 lbs. mixture	Mar 1 - July 15 Sept 1 - Nov 30	6.0 - 7.0	600 lbs. 13-13-13	Seed
Bahia	40 lbs. alone 30 lbs. mixture	Mar 1 - July 15 Sept 1 - Nov 30	6.0 - 7.0	600 lbs. 13-13-13	Seed
Fescue	40 lbs. alone 30 lbs. mixture	Sept 1 - Nov 30	6.0 - 7.0	600 lbs. 13-13-13	Seed
Sericea Lespedeza	40 lbs. alone	Mar 1 - July 15 Sept 1 - Nov 30	6.0 - 7.0	400 lbs. 6-24-24	Seed
*Wheat	90 lbs.	Sept 1 - Nov 30	6.0 - 7.0	600 lbs. 13-13-13	Seed
*Ryegrass	30 lbs.	Sept 1 - Nov 30	6.0 - 7.0	600 lbs. 13-13-13	Seed
*White Clover	5 lbs.	Sept 1 - Nov 30	6.0 - 7.0	400 lbs. 6-24-24	Seed
*Crimson Clover	15 lbs.	Sept 1 - Nov 30	6.0 - 7.0	400 lbs. 6-24-24	Seed
*Hairy Vetch	30 lbs.	Sept 1 - Nov 30	6.0 - 7.0	400 lbs. 6-24-24	Seed
*Browntop Millet	40 lbs. alone 15 lbs. mixture	Apr 1 - Aug 30	6.0 - 7.0	600 lbs. 13-13-13	Seed
*ANNUAL					

- NOTES:  
 1. FOR PERMANENT SEEDING, ANNUALS CAN ONLY BE USED IN A MIXTURE WITH PERENNIALS.  
 2. SPECIES THAT ARE TO BE SPREAD AS SOLID SOD ARE NOT LISTED (i.e. ST. AUGUSTINE, CENTPEDE, CARPET GRASS, & ZOYSIA)  
 3. DURING THE MONTHS OF DECEMBER THROUGH FEBRUARY MULCHING IS THE ONLY OPTION ALLOWED.

GENERAL RECOMMENDATIONS FOR TEMPORARY/PERMANENT SEEDING



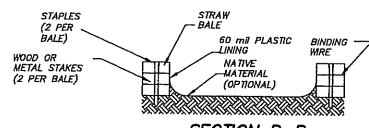
FRONT ELEVATION



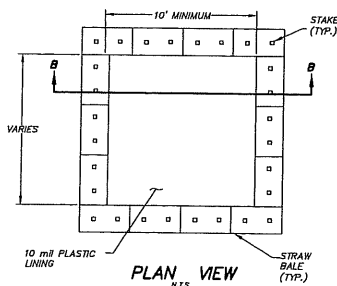
SIDE ELEVATION

- NOTES:  
 1. BRUSH BARRIER TO BE USED WHERE NATURAL GROUND COVER IS LEVEL OR SLOPING AWAY FROM PROJECT.  
 2. PLACE BRUSH, LOG AND TREE LAPS APPROXIMATELY PARALLEL TO TOE OF FILL SLOPE WITH SOME OF THE HEAVIER MATERIALS BEING PLACED ON TOP TO PROPERLY SECURE THE BARRIER AS DETAILED AT LOCATIONS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER.  
 3. TO ALLOW WATER TO FLOW THROUGH THE BRUSH BARRIER, INTERMINGLE THE BRUSH, LOG AND TREE LAPS SO AS NOT TO FORM A SOLID DAM.

TEMPORARY BRUSH BARRIER



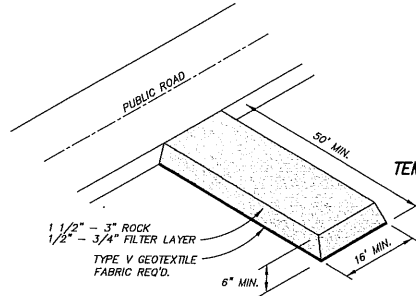
SECTION B-B



PLAN VIEW

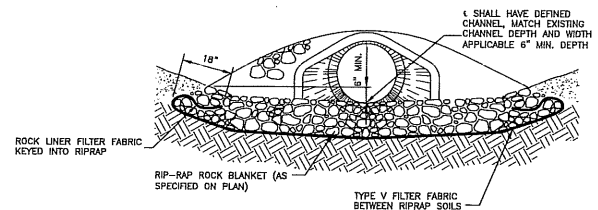
STRAW BALE CONCRETE WASHOUT AREA

- NOTES:  
 1. LOCATION TO BE DETERMINED BY CONTRACTOR AND APPROVED BY THE ENGINEER OR ENGINEER'S REPRESENTATIVE.  
 2. IF CONCRETE WASHOUT AREA EXHIBITS LEAKAGE OR PROVES TO BE INADEQUATE FOR ITS INTENDED PURPOSE, THE CONTRACTOR SHALL IMMEDIATELY REPAIR OR REPLACE.  
 3. IF REQUIRED BY ENGINEER OR C.O.I., AREAS IMMEDIATELY DOWNSTREAM/DOWNSLOPE SHALL INCLUDE A SECONDARY STORMWATER RUNOFF POLLUTION PREVENTION MEASURE.  
 4. MAINTENANCE SHALL BE IN ACCORDANCE WITH THE APPROVED STORMWATER MANAGEMENT PLAN.



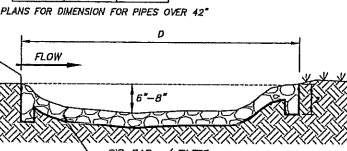
TEMPORARY CONSTRUCTION ENTRANCE DETAIL

- NOTES:  
 1. VEHICLE TRACKING MAT SHALL BE LOCATED AT EVERY ENTRANCE/EXIT TO THE CONSTRUCTION SITE.  
 2. VEHICLE TRACKING MAT SHALL BE MAINTAINED BY CONTRACTOR AS NEEDED TO PREVENT ANY MATERIAL FROM BEING TRACKED ONTO CITY STREET.  
 3. SEDIMENT AND OTHER MATERIAL SPILLED, DROPPED OR TRACKED ONTO CITY STREET SHALL BE IMMEDIATELY REMOVED BY CONTRACTOR.



TYPICAL RIP-RAP SECTION AT STORM DRAIN CULVERT

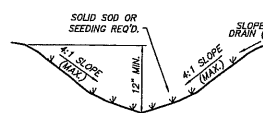
PIPE	D	W
15"	5	4
18"	6	4
24"	8	5
30"	10	6
36"	10	7
42"	12	8



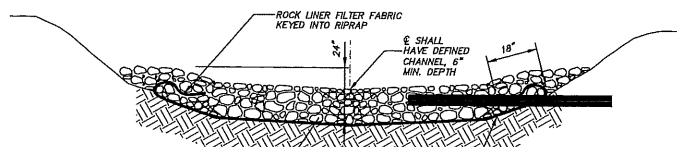
DOWNSTREAM ELEVATION

- NOTES:  
 1. RIP-RAP TREATMENT REQUIRED AT ALL CULVERTS UPSTREAM AND DOWNSTREAM ENDS.  
 2. RIP-RAP TREATMENT ON UPSTREAM AND DOWNSTREAM ENDS SHALL TOTALLY SURROUND CULVERT TO A MINIMUM OF 12" ABOVE THE TOP OF THE PIPE.  
 3. SEE CHART FOR DIMENSIONS FOR D & W UNLESS OTHERWISE SHOWN ON THE DRAWINGS.  
 4. EROSION CONTROL BLANKETS OR OTHER MEANS FOR PROTECTION MAY BE USED WITH APPROVAL OF ENGINEER.  
 5. RIP-RAP WILL BE PAID FOR BY THE SQUARE YARD.  
 6. RIP-RAP DIMENSIONS SHOWN ON THE SCHEDULE ARE TYPICAL AND MAY BE ADJUSTED BY ENGINEER AT NO COST TO THE OWNER.

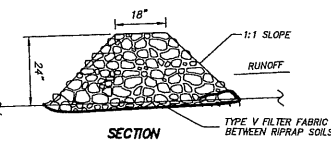
CULVERT RIP-RAP OUTLET PROTECTION



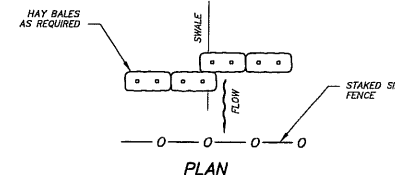
SWALE SECTION



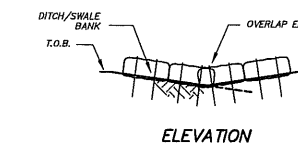
ELEVATION



SECTION RIP-RAP BERM DETAIL



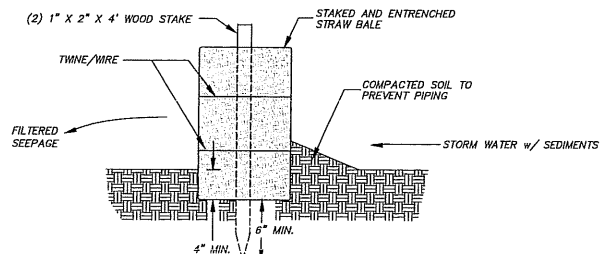
PLAN



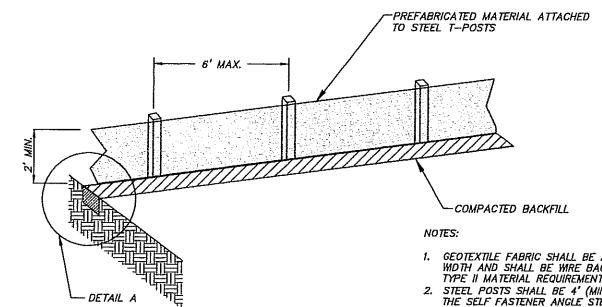
ELEVATION

HAY BALE INSTALLATION NOTES:

1. HAY BALES SHALL BE TRENCHED 3" TO 4" AND STAKED WITH (2) 1"x2"x4" WOOD STAKES PER BALE.  
 2. SILT FENCE SHALL BE DOWN STREAM OF HAY BALES.  
 3. ADJACENT BALES SHALL BE BUTTED FIRMLY TOGETHER. UNAVOIDABLE GAPS SHALL BE PLUGGED WITH HAY OR STRAW TO PREVENT SILT FROM PASSING.



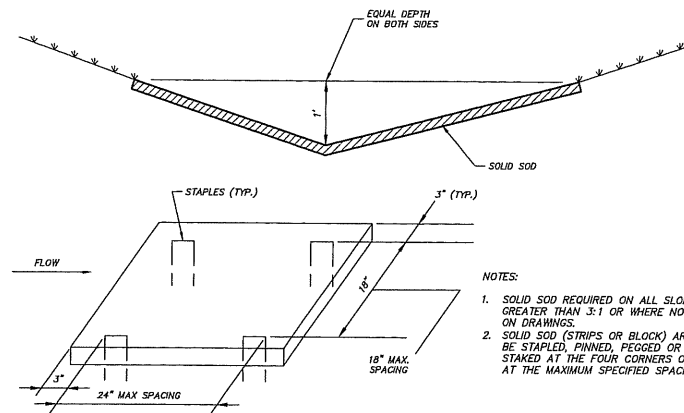
HAY BALE INSTALLATION



SILT FENCE DETAIL

NOTES:

1. GEOTEXTILE FABRIC SHALL BE A MINIMUM OF 36" IN WIDTH AND SHALL BE WIRE BACKED OR MEET MDOT TYPE II MATERIAL REQUIREMENTS.  
 2. STEEL POSTS SHALL BE 4" (MIN.) IN HEIGHT AND OF THE SELF FASTENER ANGLE STEEL TYPE.  
 3. FENCE SHALL BE FASTENED WITH NOT LESS THAN 9 GAGE STAPLES 1" LONG FOR WOODEN POSTS AND 3/4" FOR WOODEN STAKES.  
 4. ALLOW A 6" OVERLAP OF FABRIC AT JOINTS.



SOLID SOD TREATMENT

- NOTES:  
 1. SOLID SOD REQUIRED ON ALL SLOPES GREATER THAN 3:1 OR WHERE NOTED ON DRAWINGS.  
 2. SOLID SOD (STRIPS OR BLOCK) ARE TO BE STAPLED, PINNED, PEGGED OR STAKED AT THE FOUR CORNERS OR AT THE MAXIMUM SPECIFIED SPACING.

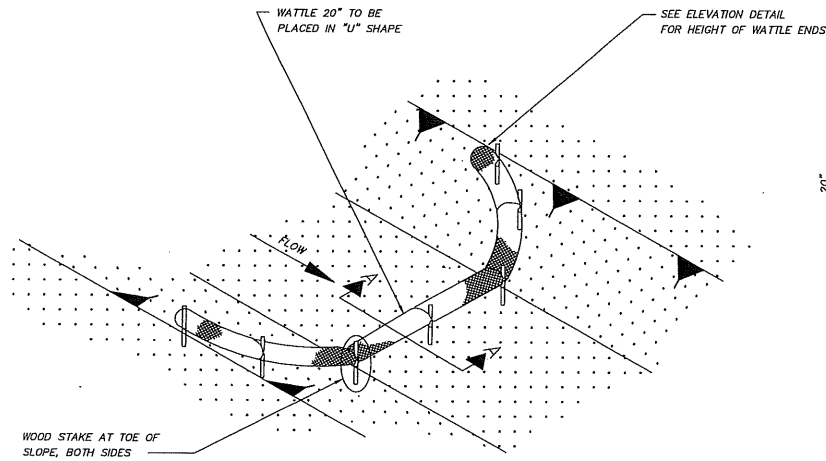
SILT FENCE DETAILS

NOT FOR CONSTRUCTION

REVISIONS:	DATE:	BY:	SCALE:
GAB	07/04/18	GAB	
GAB		GAB	
ES SURFACE:		ES SURFACE:	
FG SURFACE:		FG SURFACE:	

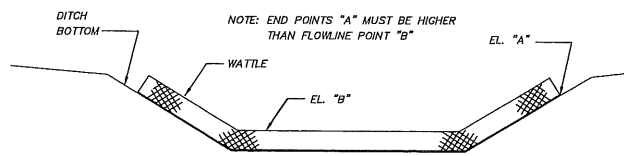
PROJECT LOCATION:	CANTON, MS 39046
CURVE:	ISIAH 30 LLC
MADISON, MS	

COMMERCIAL SITE  
 EROSION CONTROL DETAILS

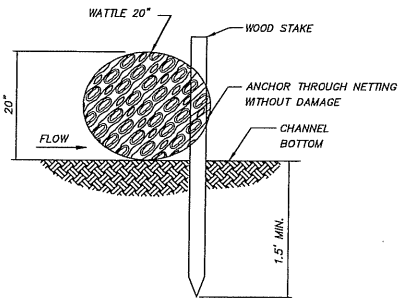


WOOD STAKE AT TOE OF SLOPE, BOTH SIDES

DETAIL (DITCH CHECK)



ELEVATION DETAIL



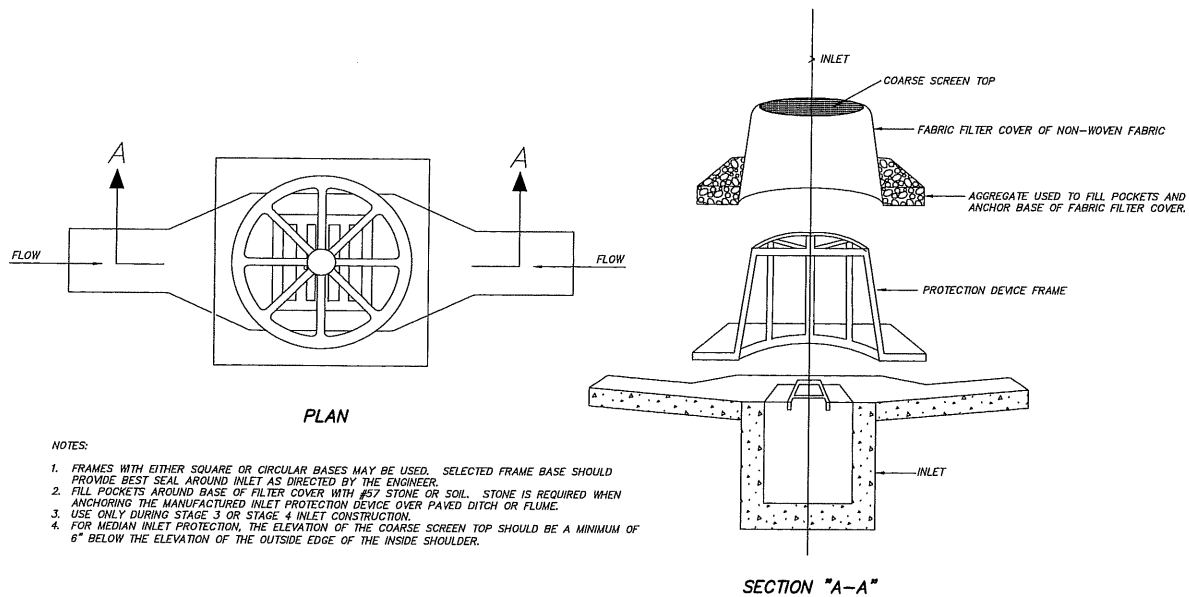
SECTION A-A

- NOTES:
1. MINIMUM RECOMMENDED PLACEMENT INTERVAL BETWEEN WATTLE DITCH CHECK IS 100' UNLESS SHOWN OTHERWISE ON THE PLANS OR EROSION CONTROL PLAN APPROVED BY THE ENGINEER. SEE SPACING GUIDANCE ON ECD-4
  2. ANCHORING WOOD STAKES SHALL BE SIZED, SPACED, DRIVEN, AND BE OF A MATERIAL THAT EFFECTIVELY SECURES THE CHECK. STAKE SPACING SHALL BE A MAXIMUM OF THREE FEET. ALL NON-DEGRADABLE MATERIALS SHALL BE REMOVED WHEN NO LONGER NEEDED.
  3. TRENCHING OF WATTLES MAY BE NECESSARY IF PIPING BECOMES EVIDENT.
  4. WATTLES SHOULD NOT BE USED IN HARD BOTTOM CHANNELS.

WATTLE DITCH CHECK SELECTION GUIDELINES

WATTLE DITCH CHECKS ARE APPROPRIATE FOR VELOCITY REDUCTION AND CONTROL OF SEDIMENT TRANSPORT UNDER LOW TO MEDIUM FLOW CONDITIONS.

WATTLE DITCH CHECK

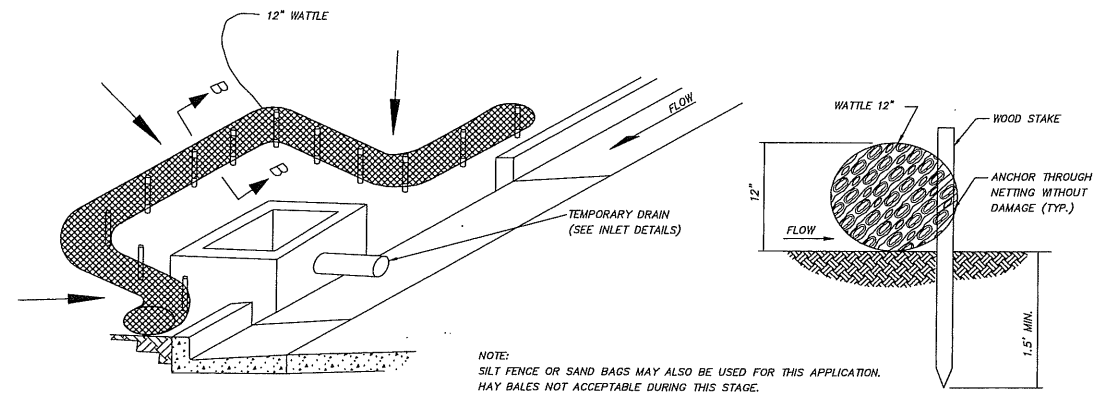


PLAN

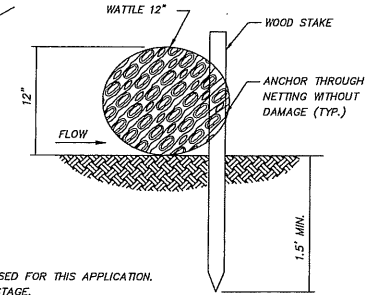
SECTION "A-A"

MANUFACTURED INLET PROTECTION DEVICE

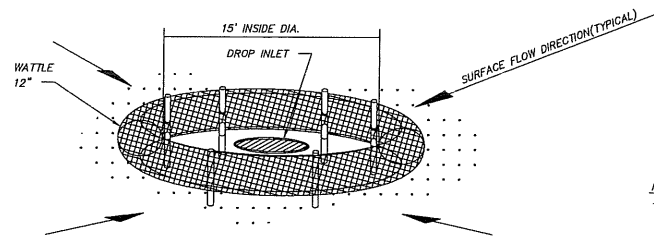
- NOTES:
1. FRAMES WITH EITHER SQUARE OR CIRCULAR BASES MAY BE USED. SELECTED FRAME BASE SHOULD PROVIDE BEST SEAL AROUND INLET AS DIRECTED BY THE ENGINEER.
  2. FILL POCKETS AROUND BASE OF FILTER COVER WITH #57 STONE OR SOIL. STONE IS REQUIRED WHEN ANCHORING THE MANUFACTURED INLET PROTECTION DEVICE OVER PAVED DITCH OR FLUME.
  3. USE ONLY DURING STAGE 3 OR STAGE 4 INLET CONSTRUCTION.
  4. FOR MEDIAN INLET PROTECTION, THE ELEVATION OF THE COARSE SCREEN TOP SHOULD BE A MINIMUM OF 6" BELOW THE ELEVATION OF THE OUTSIDE EDGE OF THE INSIDE SHOULDER.



CURB INLET PROTECTION (STAGE 2)  
SINGLE OR DOUBLE WING INLET

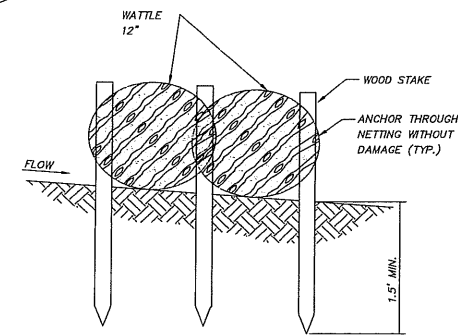


SECTION B-B



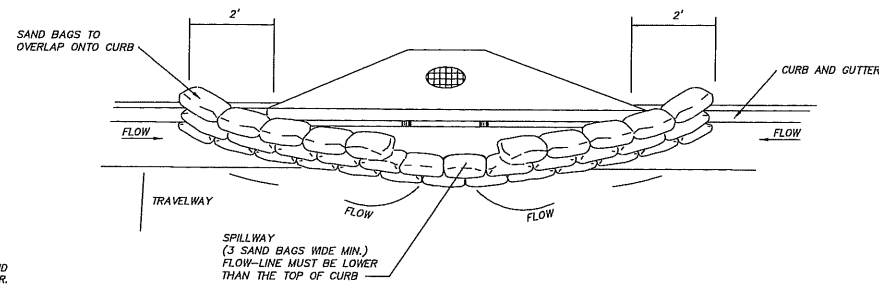
DROP INLET PROTECTION

- 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.

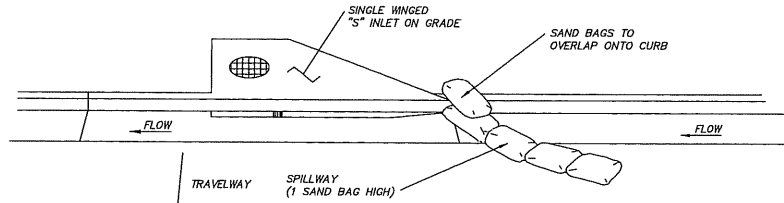


SECTION A-A

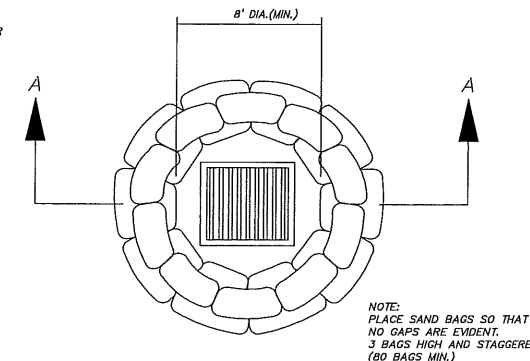
WATTLE INLET PROTECTION



TYPICAL (SAND BAG) PROTECTION FOR INLET IN SAG

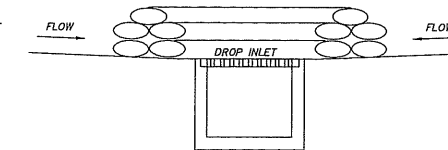


TYPICAL (SAND BAG) PROTECTION FOR INLET ON GRADE

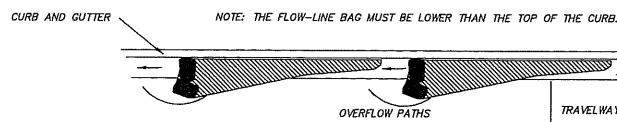


DROP INLET  
PLAN VIEW

NOTE: PLACE SAND BAGS SO THAT NO GAPS ARE EVIDENT. 3 BAGS HIGH AND STAGGERED. (80 BAGS MIN.)



SECTION A-A  
SAND BAG BARRIER



CURB AND GUTTER SEDIMENT  
CONTAINMENT SYSTEM

- CURB INLET PROTECTION NOTES:
1. THIS CURB INLET PROTECTION METHOD CAN BE USED DURING ANY STAGE OF BASE AND PAVEMENT CONSTRUCTION.
  2. BAG HEIGHT AND NUMBER OF BAGS SHOULD BE BASED ON CURB HEIGHT AND USE OF TRAVELWAY.
  3. SEDIMENT SHOULD BE CONTROLLED PRIOR TO ENTERING GUTTER. GUTTER CHECKS AND INLET PROTECTION ARE FOR SECONDARY CONTROL.
  4. REMOVE ACCUMULATED SEDIMENT AFTER EVERY RAINFALL. SWEEP SEDIMENT FROM HARD SURFACES AND DISPOSE OF APPROPRIATELY AWAY FROM INLETS AND/OR WATER BODIES.
  5. IF DENuded AREAS EXIST BEHIND THE INLET, A SEDIMENT BARRIER SHOULD BE INSTALLED AROUND IT'S PERIMETER TO CONTROL SEDIMENT.

SAND BAG INLET PROTECTION

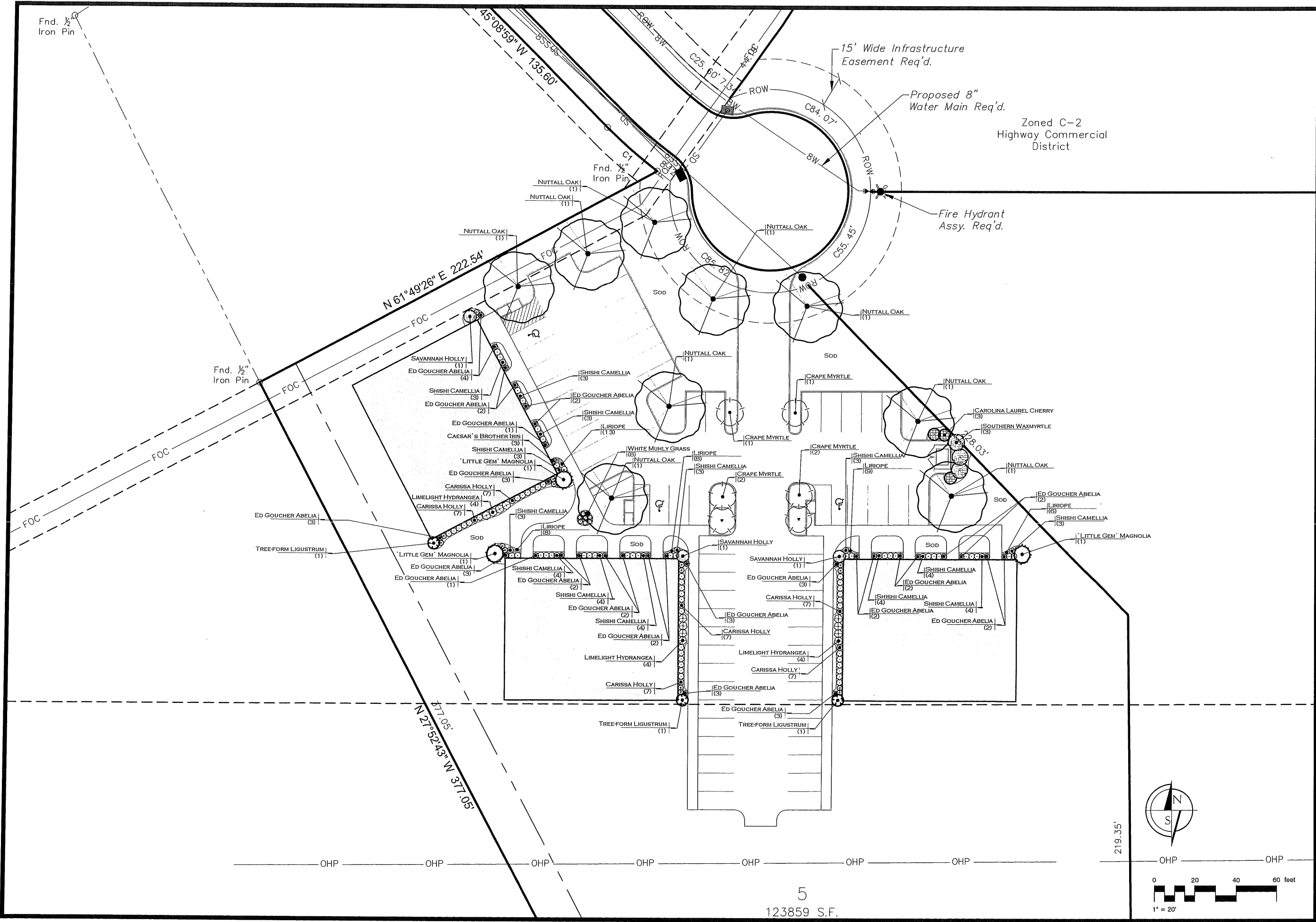
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	FG SURFACE:	

PROJECT LOCATION: 115 AULIBROCK DRIVE CANTON, MS 39046	CLIENT: ISIAH 30 LLC MADISON, MS
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PROJECT: **COMMERCIAL SITE**  
SHEET CONTENTS: **EROSION CONTROL DETAILS**

SHEET NUMBER: **C4.3**  
PROJECT NUMBER: **B-6272**

**NOT FOR  
CONSTRUCTION**



5  
123859 S.F.

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 MADISON, MISSISSIPPI 39130  
 601-906-3477 PHONE  
 WWW.MCCRORYDESIGNS.COM

**MCCRORY & ASSOCIATES**  
 land planning consultants

REVISIONS

Landscape Planting Plan  
**GLUCKSTADT OFFICE PARK**  
 Madison County, Mississippi

DATE: 12-17  
 DRAWN: A.M.C.  
 CHECKED:

**GENERAL**

PRIOR TO SUBMITTING A BID ON THIS PROJECT, THE CONTRACTOR SHALL VISIT THE SITE AND BECOME FAMILIAR WITH THE SITE CONDITIONS AND CONSTRAINTS.

THE CONTRACTOR SHALL GIVE ALL NECESSARY NOTICES AND OBTAIN ANY PERMITS.

THE CONTRACTOR SHALL VERIFY THE EXISTENCE OR NON-EXISTENCE OF ALL UTILITIES PRIOR TO INSTALLATION. IF A UTILITY LINE (INCLUDING IRRIGATION AND LIGHTING) IS CUT OR DAMAGED, IT IS THE CONTRACTORS RESPONSIBILITY TO REPAIR IT AT NO COST TO THE OWNER.

PROTECT ALL RIGHT-OF-WAY MARKERS, BENCH MARKS, AND PROPERTY MARKERS. ALL PERMANENT SURVEY POINTS DISTURBED, DAMAGED OR MOVED AS A RESULT OF THE CONTRACTOR'S ACTIVITY SHALL BE ACCURATELY REPLACED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.

QUANTITY ESTIMATES HAVE BEEN MADE CAREFULLY BUT THE LANDSCAPE ARCHITECT ASSUMES NO LIABILITY FOR OMISSIONS OR ERRORS. HIS ESTIMATES ARE ONLY AN AID TO CLARIFICATION OF UNITS AND A CHECK FOR THE CONTRACTOR TO COMPARE WITH HIS OWN ESTIMATES. DIFFERENCES WILL BE BROUGHT TO THE ATTENTION OF THE LANDSCAPE ARCHITECT.

IN THE EVENT OF ANY DISCREPANCIES AND/OR ERRORS IN THE DRAWINGS OR IF PROBLEMS ARE ENCOUNTERED DURING CONSTRUCTION, THE CONTRACTOR SHALL BE REQUIRED TO NOTIFY THE LANDSCAPE ARCHITECT BEFORE PROCEEDING WITH THE WORK.

**STAKING/LAYOUT OF PROPOSED FEATURES:**

THE STAKING OF THE PLAN ON THE SITE IS THE RESPONSIBILITY OF THE CONTRACTOR. AT THE COMPLETION OF THE STAKING PROCESS THE LANDSCAPE ARCHITECT SHALL BE NOTIFIED TO INSPECT THE LAYOUT OF THE PROPOSED PLANTING. APPROVAL MUST BE RECEIVED FROM THE LANDSCAPE ARCHITECT BEFORE PROCEEDING WITH PLANTING.

**PROTECTION OF EXISTING NATURAL FEATURES:**

PREVENTING DAMAGE TO EXISTING TREES, VEGETATION AND OTHER NATURAL FEATURES.

NO TRENCHING, GRADING, PRUNING, STORAGE OF MATERIALS OR EQUIPMENT WITHIN THE "DRAIN-LINE" (END OF OVERHANGING BRANCHES) OF ANY TREE SHALL BE PERMITTED WITHOUT APPROVAL BY THE LANDSCAPE ARCHITECT.

EXERCISE EXTREME CARE WHEN WORKING WITHIN THE ROOT AREA OF ANY PLANT MATERIAL. EXCAVATION OF EARTH WHEN TRENCHING, GRADING, REMOVING EXISTING LAWN, AND OTHER EARTH WORK SHALL BE ACCOMPLISHED IN A MANNER WHICH PREVENTS DAMAGE TO TREES. ROOTS EXPOSED DURING THE ABOVE OPERATION SHALL BE WRAPPED IN BURLAP AND KEPT MOIST UNTIL EARTH IS REPLACED.

**PLANTING:**

MATERIALS AND PRODUCTS:

PLANT MATERIAL SHALL CONFORM TO THE LATEST EDITION OF THE "AMERICAN STANDARD OF NURSERY STOCK". SUBSTITUTION OF SIZE, GRADE, OR SPECIES SHALL BE PERMITTED ONLY BY THE PERMISSION OF THE OWNER OR LANDSCAPE ARCHITECT. PLANTS SHALL HAVE BEEN GROWING UNDER SIMILAR CLIMATIC CONDITIONS AS THOSE ENCOUNTERED ON THIS PROJECT FOR A PERIOD OF AS LEAST TWO YEARS.

**TOPSOIL:** LANDSCAPE CONTRACTOR SHALL PROVIDE APPROVED TOPSOIL FROM OFF-SITE FOR COMPLETION OF WORK IN THE EVENT SUFFICIENT MATERIAL IS NOT AVAILABLE ON SITE. TOPSOIL SHALL BE FREE OF SUBSOIL, STONES, PLANTS OR THEIR ROOTS OR ANY EXTRANEIOUS MATTER.

**SAND:** FOR PLANT BEDS AND PIT PLANTINGS SHALL BE CLEAN, SHARP MASONRY SAND.

**ORGANIC MATTER:** SHALL BE PEAT MOSS OR APPROVED FINELY GROUND PINE BARK MULCH FREE OF WEED SEEDS.

**FERTILIZER:** AN APPLICATION OF A LANDSCAPE ORNAMENTAL BLEND FOR SHRUBS AND STARTER BLEND FOR TREES AND LAWN. FOLLOW RECOMMENDATIONS OF MANUFACTURER FOR APPLICATION.

**PRE-EMERGENT HERBICIDE:** A GENERAL APPLICATION OF A COMMERCIAL GRADE PRE-EMERGENT HERBICIDE SHALL BE INCORPORATED INTO ALL PLANTING AREAS PRIOR TO INSTALLATION OF PLANTS. DO NOT APPLY IN LOCATIONS OF ANNUALS.

**TOP-DRESSING/MULCH:** SHALL BE CLEAN PINE STRAW FREE FROM LEAVES AND OTHER EXTRANEIOUS MATTER. ANY SUBSTITUTIONS MUST BE APPROVED BY LANDSCAPE ARCHITECT.

**INSTALLATION:**

PLACE PLANTS IN THEIR LOCATION AS SHOWN ON THE PLANTING PLAN FOR INSPECTION AND ADJUSTMENT BY THE LANDSCAPE ARCHITECT PRIOR TO INSTALLATION.

PLANTING BEDS SHALL RECEIVE 4-6" OF A SOIL MIX CONSISTING OF 3 PARTS TOPSOIL, 1 PART SAND, 1 PART ORGANIC MATTER, PRE-EMERGENT HERBICIDE. THIS MIXTURE WILL BE ROTO-TILLED TO A MINIMUM OF 8-10" INTO THE EXISTING SOIL.

PRIOR TO THE INSTALLATION OF SOD OR THE SOWING OF SEED, THE EXISTING GRADE IS TO BE LOOSENED TO A DEPTH OF 1"-2" (REMOVE ALL STONES, STICKS, RUBBISH, OR EXTRENOUS MATTER) AND A 1"-2.5" LAYER OF TOPSOIL IS TO BE SPREAD SMOOTH PRIOR TO SEEDING OR SODDING. AFTER INSTALLATION, SOD SHALL BE ROLLED TO A UNIFORM GRADE, AND SEEDED AREAS SHALL BE MULCHED WITH A 2" LAYER OF WHEAT STRAW.

MAINTAIN POSITIVE DRAINAGE AWAY FROM STRUCTURES. TAKE SPECIAL CARE IN INSURE THE BED PREPARATION DOES NOT INHIBIT PROPOSED DRAINAGE. IF DRAINAGE PROBLEMS EXIST PRIOR TO PLANT BED PREPARATION, NOTIFY THE LANDSCAPE ARCHITECT PRIOR TO BEGINNING WORK, OTHERWISE CORRECTING THE PROBLEM WILL BE THE RESPONSIBILITY OF THE LANDSCAPE CONTRACTOR.

CUT AWAY ROPES OR WIRES FROM BALLED PLANTS.

**WARRANTY:**

THE LANDSCAPE CONTRACTOR SHALL WARRANTY THE PLANT MATERIAL FOR ONE YEAR UPON COMPLETION AND FINAL ACCEPTANCE OF PLANT INSTALLATION. THIS WARRANTY INCLUDES THE REPLACEMENT OF DEAD OR DYING PLANT MATERIAL, STRAIGHTENING PLANTS WHICH LEAN OR SAG AND ADJUSTMENTS OF PLANTS THAT SETTLE. A PLANT WILL BE CONSIDERED DEAD OR DYING WHEN THE MAIN LEADER IS DEAD OR 25% OF THE CROWN IS DEAD. THE PLANTS WILL BE REPLACED AT NO COST TO THE OWNER.

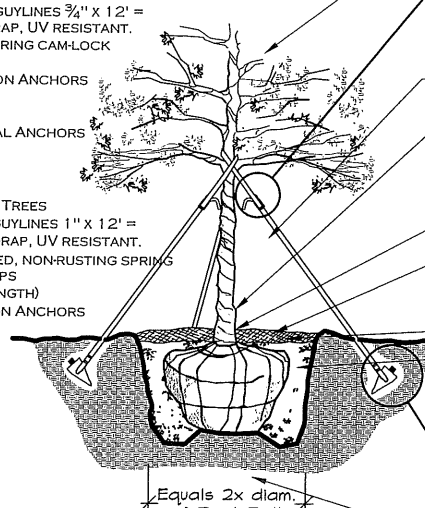
**ARBORBRACE TREE GUYING SPECIFICATIONS:**

**ATG-R/ATG-HD**

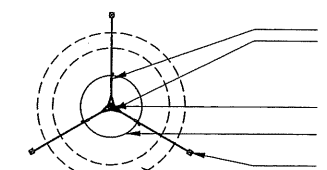
FOR UP TO 4" CALIPER TREES  
 - (3) POLYPROPYLENE GUYLINES 3/4" x 1 1/2" = 800 LB TEST, OLIVE DRAP, UV RESISTANT.  
 - (3) NICKEL PLATED SPRING CAM-LOCK TENSION CLIPS  
 - (3) ARROWHEAD NYLON ANCHORS (4" x 3 3/4")  
 OR  
 - (3) ARROWHEAD METAL ANCHORS FOR HARD SOIL

**ATG-J**

FOR UP TO 7" CALIPER TREES  
 - (3) POLYPROPYLENE GUYLINES 1" x 1 1/2" = 1,000 LB TEST, OLIVE DRAP, UV RESISTANT.  
 - (3) 1 1/2" NICKEL PLATED, NON-RUSTING SPRING CAM-LOCK TENSION CLIPS (1,500 LB BREAK STRENGTH)  
 - (3) ARROWHEAD NYLON ANCHORS (5 1/2" x 4 1/2")

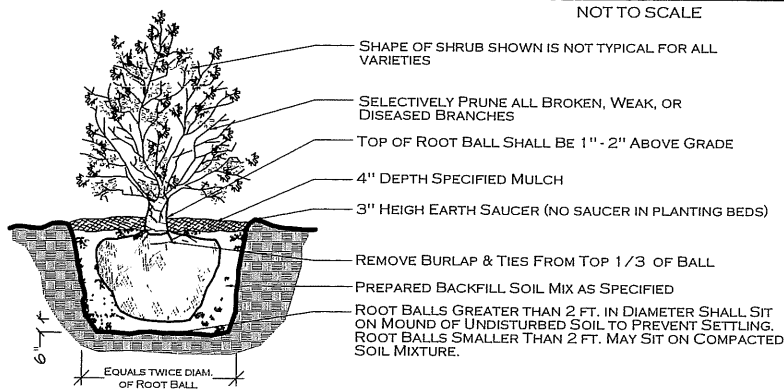


**ELEVATION**

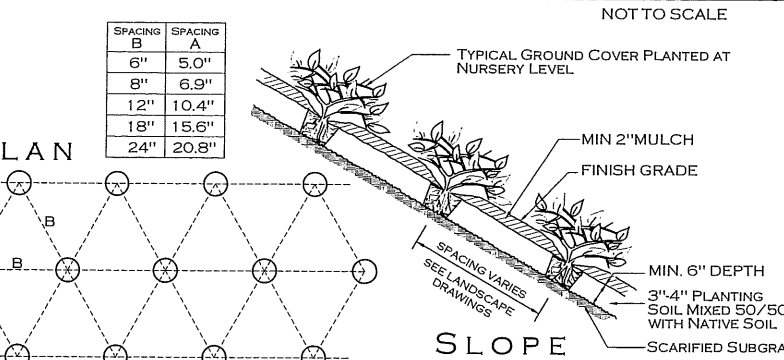


**PLAN**

**TREE PLANTING DETAIL**



**SHRUB PLANTING DETAIL**



**GROUND COVER PLANTING DETAIL**

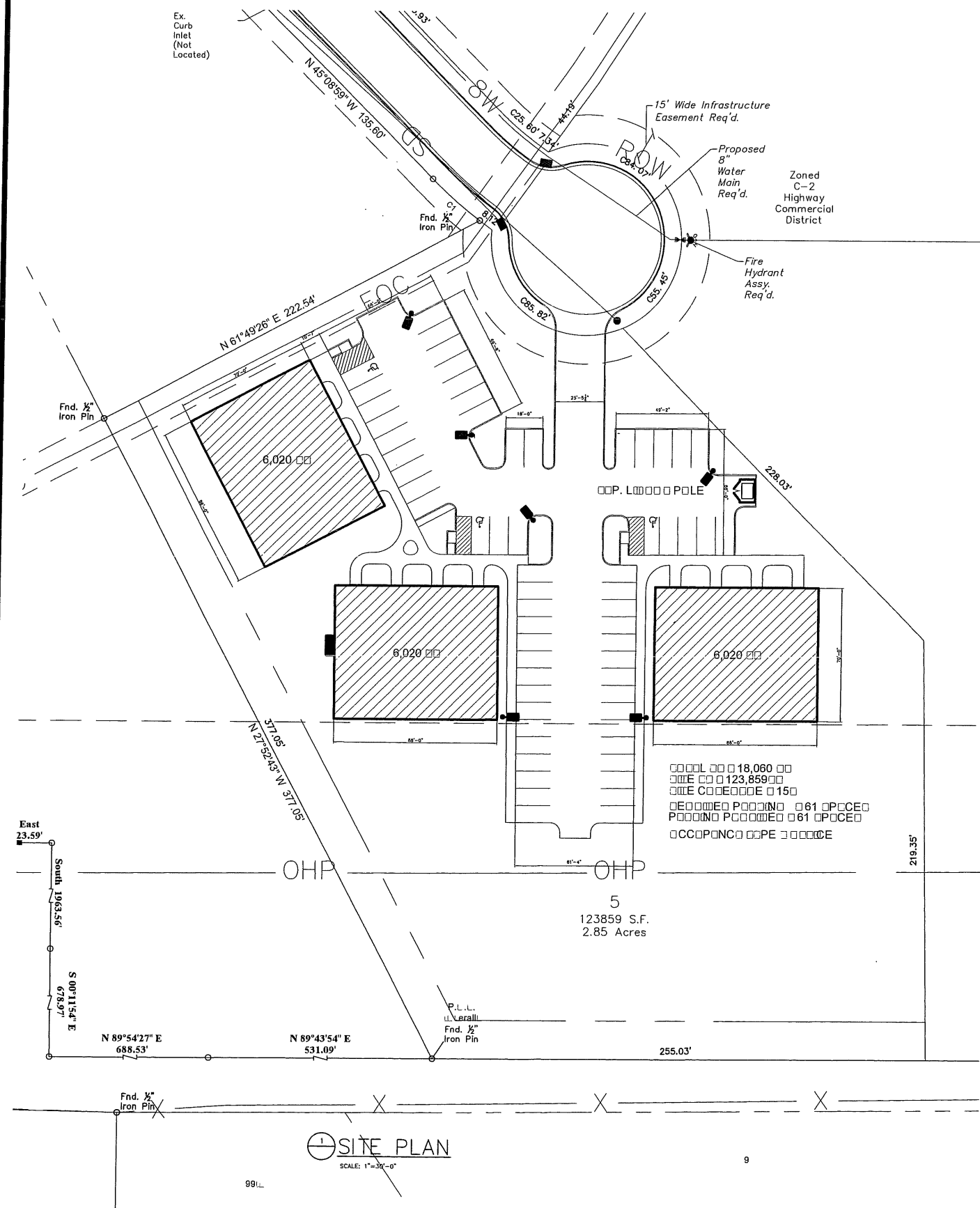
**PLANT SCHEDULE**

TREES	QTY	BOTANICAL NAME / COMMON NAME	CONT	CAL	SIZE	FIELD4
	3	ILEX X ATTENUATA 'SAVANNAH' / SAVANNAH HOLLY	15 GAL	1.5" CAL		FULL TO THE GROUND
	6	LAGERSTROEMIA INDICA 'NATCHEZ WHITE' / CRAPE MYRTLE	B & B	4.5" CAL	HEIGHT: 12-14'	MULTI-TRUNK
	3	LIGUSTRUM LUCIDUM / TREE-FORM LIGUSTRUM	45 GAL	4" CAL	HEIGHT: 6-7' / WIDTH: 5-6'	MULTI-TRUNK
	3	MAGNOLIA GRANDIFLORA 'LITTLE GEM' / 'LITTLE GEM' MAGNOLIA	30 GAL	3" CAL	HEIGHT: 8-10' / WIDTH: 4-5'	FULL TO THE GROUND
	3	MYRICA CERIFERA / SOUTHERN WAXMYRTLE	30 GAL	3" CAL	HEIGHT: 5-7'	MULTI-TRUNK
	3	PRUNUS CAROLINIANA / CAROLINA LAUREL CHERRY	15 GAL	1.5" CAL	HEIGHT: 6-7' / WIDTH: 5-6'	FULL TO THE GROUND
	9	QUERCUS NUTTALLII / NUTTALL OAK	B & B	2.5" CAL	HEIGHT: 12-14' WIDTH: 5-6'	STRAIGHT MAIN LEADER
SHRUBS	QTY	BOTANICAL NAME / COMMON NAME	SIZE	FIELD2	FIELD3	FIELD4
	45	ABELIA X GRANDIFLORA 'EDWARD GOUCHER' / ED GOUCHER ABELIA	3 GAL			FULL HEAD; WELL FORMED SHRUB
	48	CAMELLIA SASANQUA 'SHISHI GASHIRA' / SHISHI CAMELLIA	3 GAL			FULL HEAD; WELL FORMED SHRUB
	12	HYDRANGEA PANICULATA 'LIMELIGHT' TM / LIMELIGHT HYDRANGEA	5 GAL	FULL BODY		FULL BUSH
	42	ILEX CORNUTA 'CARISSA' / CARISSA HOLLY	3 GAL			FULL HEAD; WELL FORMED SHRUB
	3	IRIS SIBIRICA 'CAESAR'S BROTHER' / CAESAR'S BROTHER IRIS	3 GAL	FULL CONTAINER		
	8	MUHLENBERGIA CAPILLARIS 'WHITE CLOUD' / WHITE MUHLY GRASS	3 GAL	FULL CONTAINER		FULL GRASS
GROUND COVERS	QTY	BOTANICAL NAME / COMMON NAME	CONT	FIELD2	FIELD3	FIELD4
	44	LIRIOPE MUSCARI 'BIG BLUE' / LIRIOPE	1 GAL	12" O.C.		FULL POT

P.O. BOX 2425  
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 601-965-3777 PHONE  
 WWW.MCCROORYDESIGNS.COM  
**MCCROORY & ASSOCIATES**  
 land planning consultants  
 REVISIONS

Plant List and Specifications  
**GLUCKSTADT OFFICE PARK**  
 Madison County, Mississippi  
 DATE: 12-4-17  
 DRAWN: A.M.C.  
 CHECKED:  
**L2**

Woodridge & Associates  
10/25/2004 8:59 AM OLDE COLONY FLOORPLAN.dwg



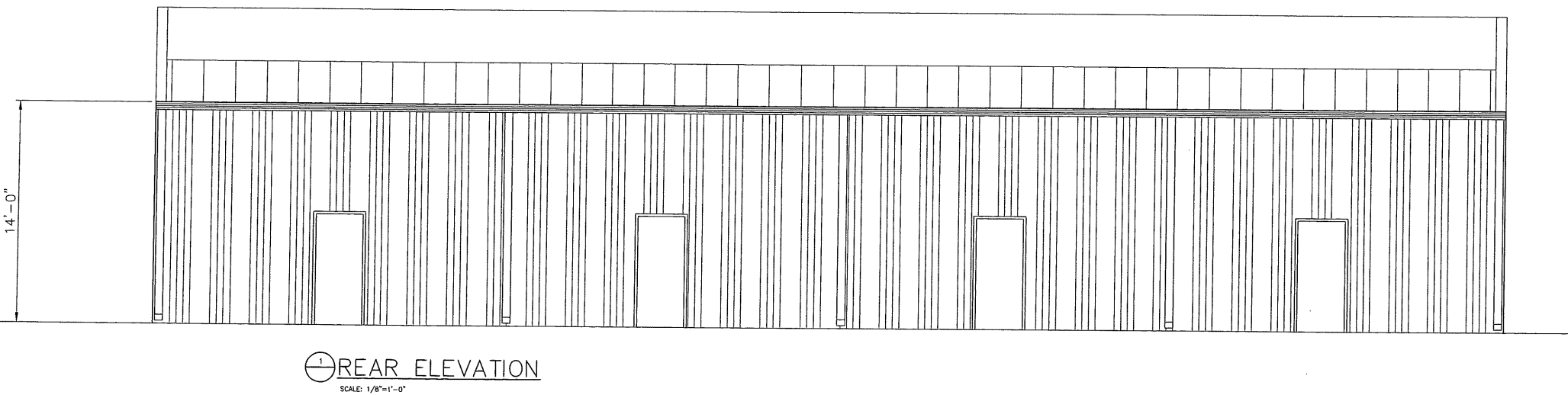
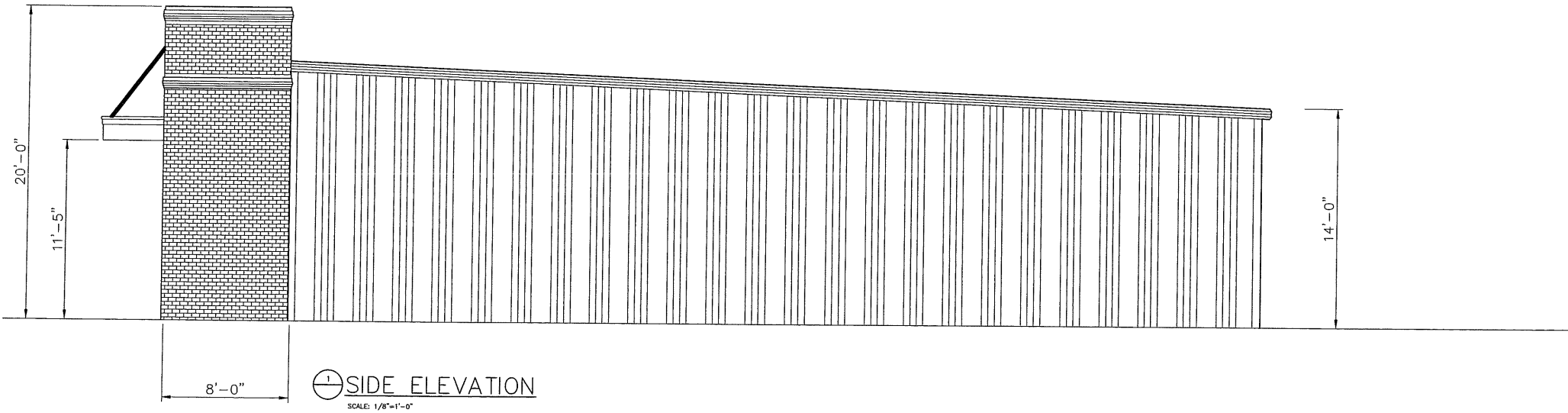
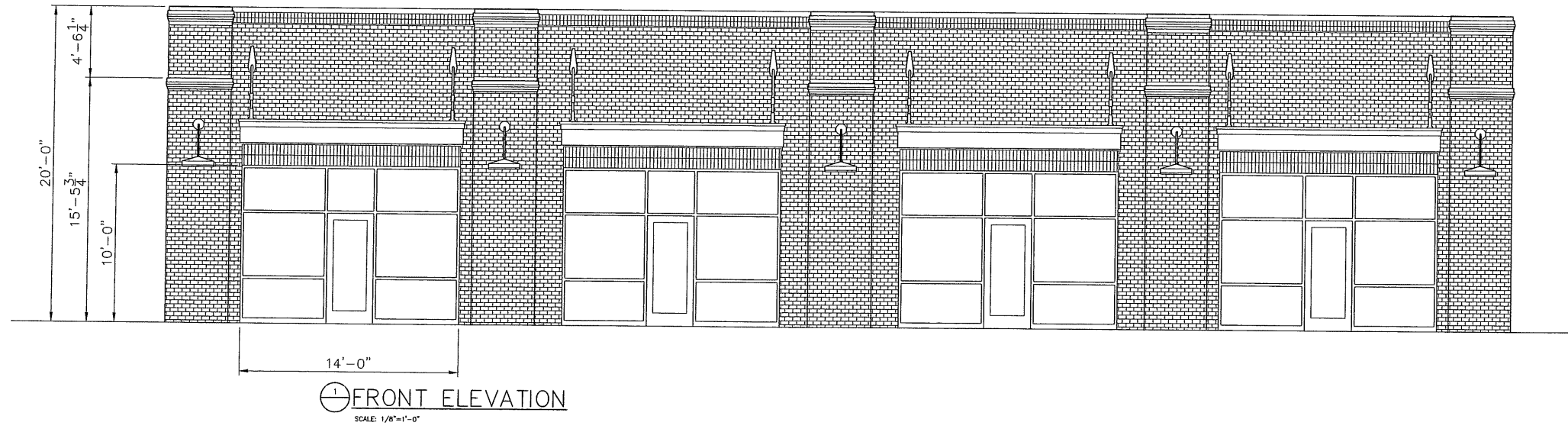
REVISIONS	BY

WOODRIDGE & ASSOCIATES  
368 HIGHLAND COLONY PARKWAY  
RIDGELAND, MS 39167  
601-209-8665

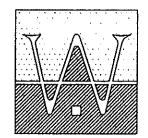
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LOT 4 CEDARSTONE  
GLUCKSTADT MS

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OF SHEETS

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REVISIONS	BY



WOODRIDGE & ASSOCIATES  
368 HIGHLAND COLONY PARKWAY  
RIDGELAND, MS 39157  
601-200-8666

OFFICE SPEC BLDG.  
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GLUCKSTADT MS

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