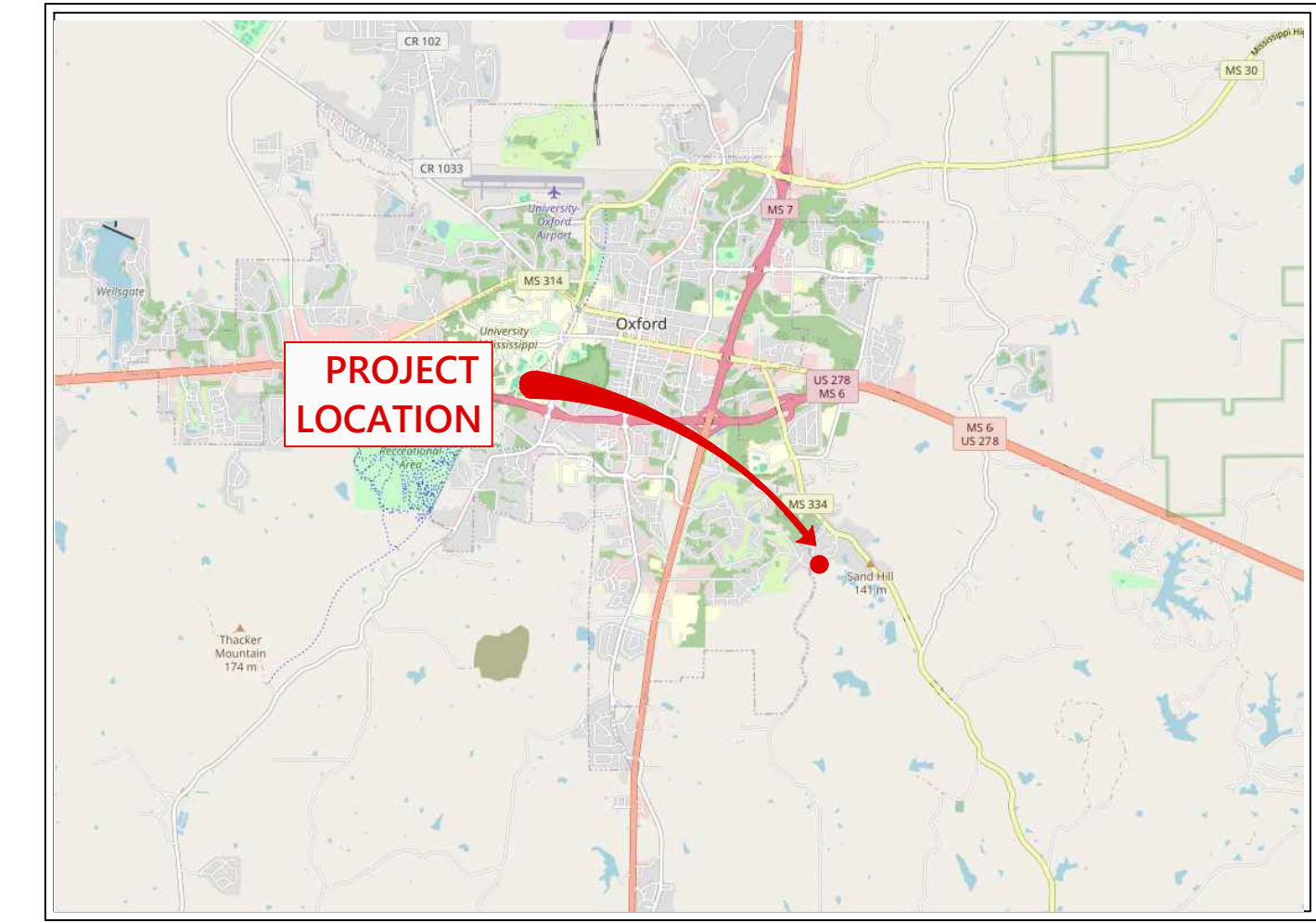




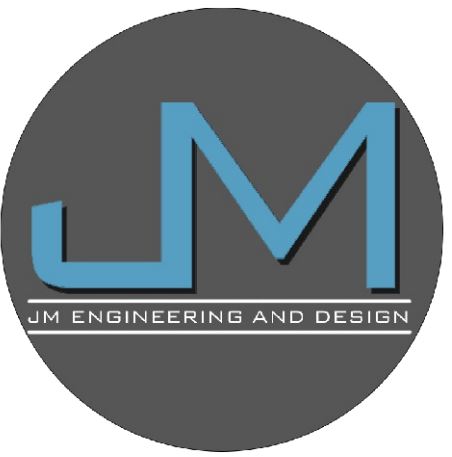
# BELLE RIVER PLACE

## 71 CR 403

### LAFAYETTE COUNTY, MISSISSIPPI



VICINITY MAP



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(662) 801-8803

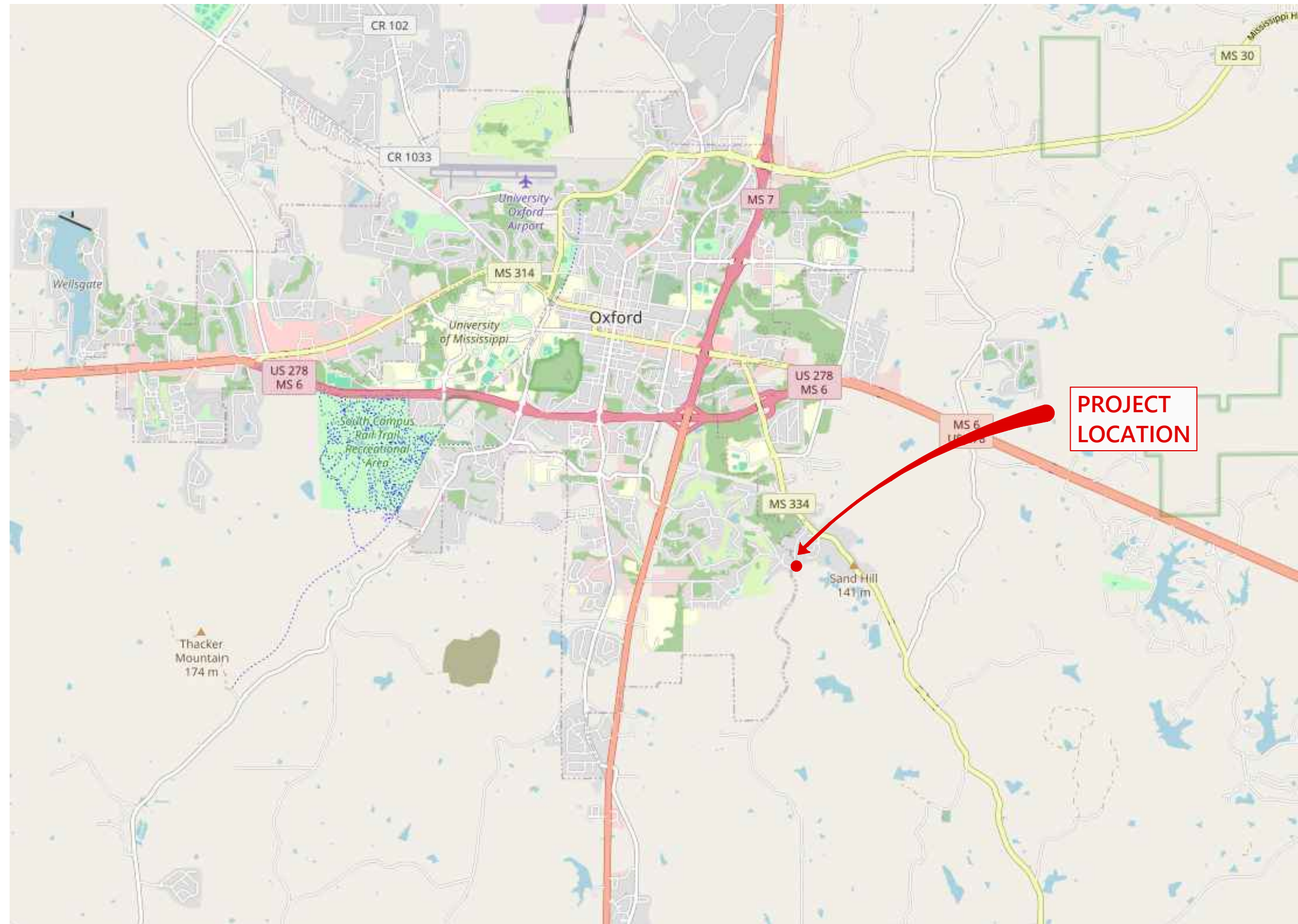
**BELLE RIVER PLACE**  
71 CR 403  
LAFAYETTE COUNTY, MISSISSIPPI

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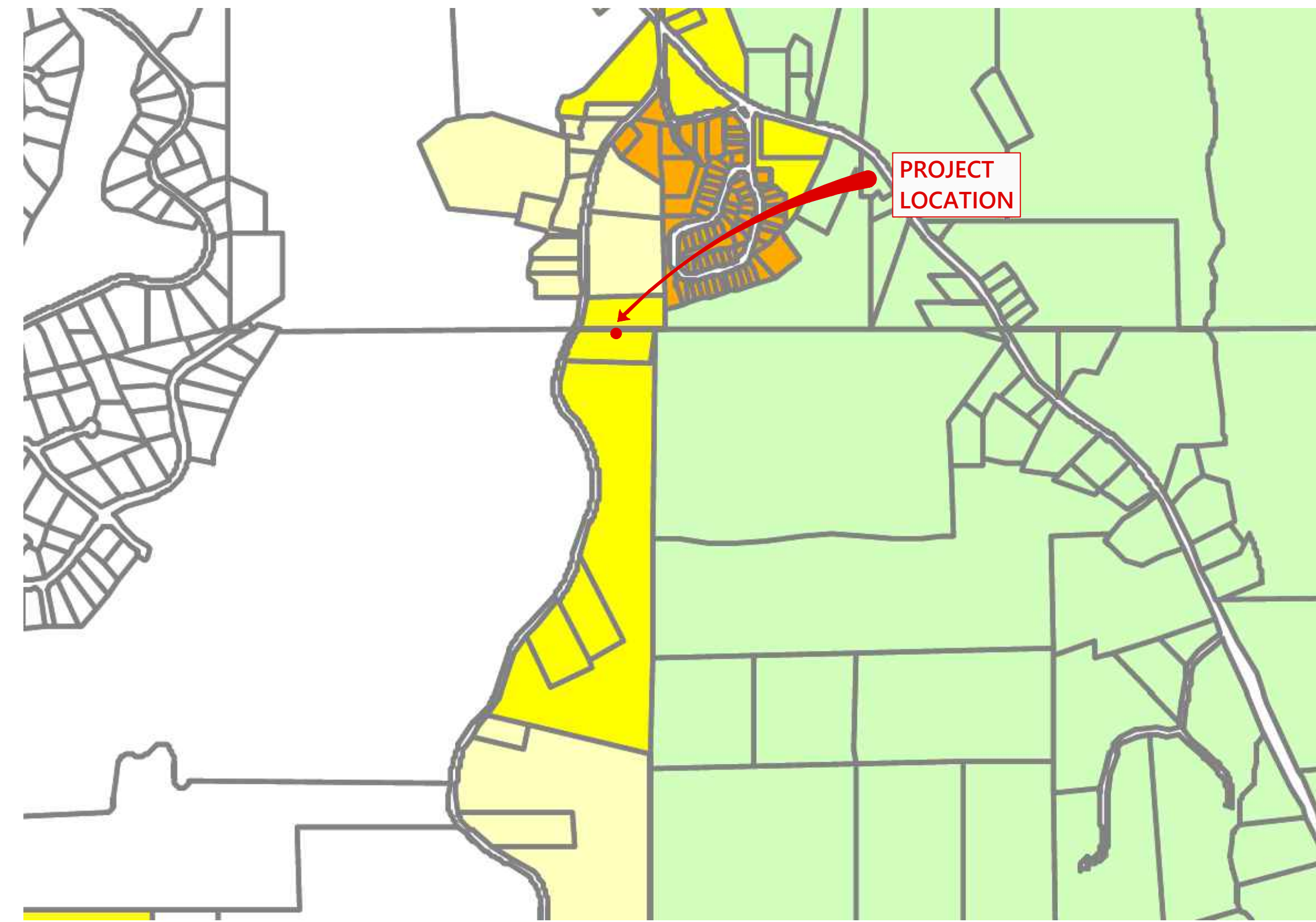
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**C-000**

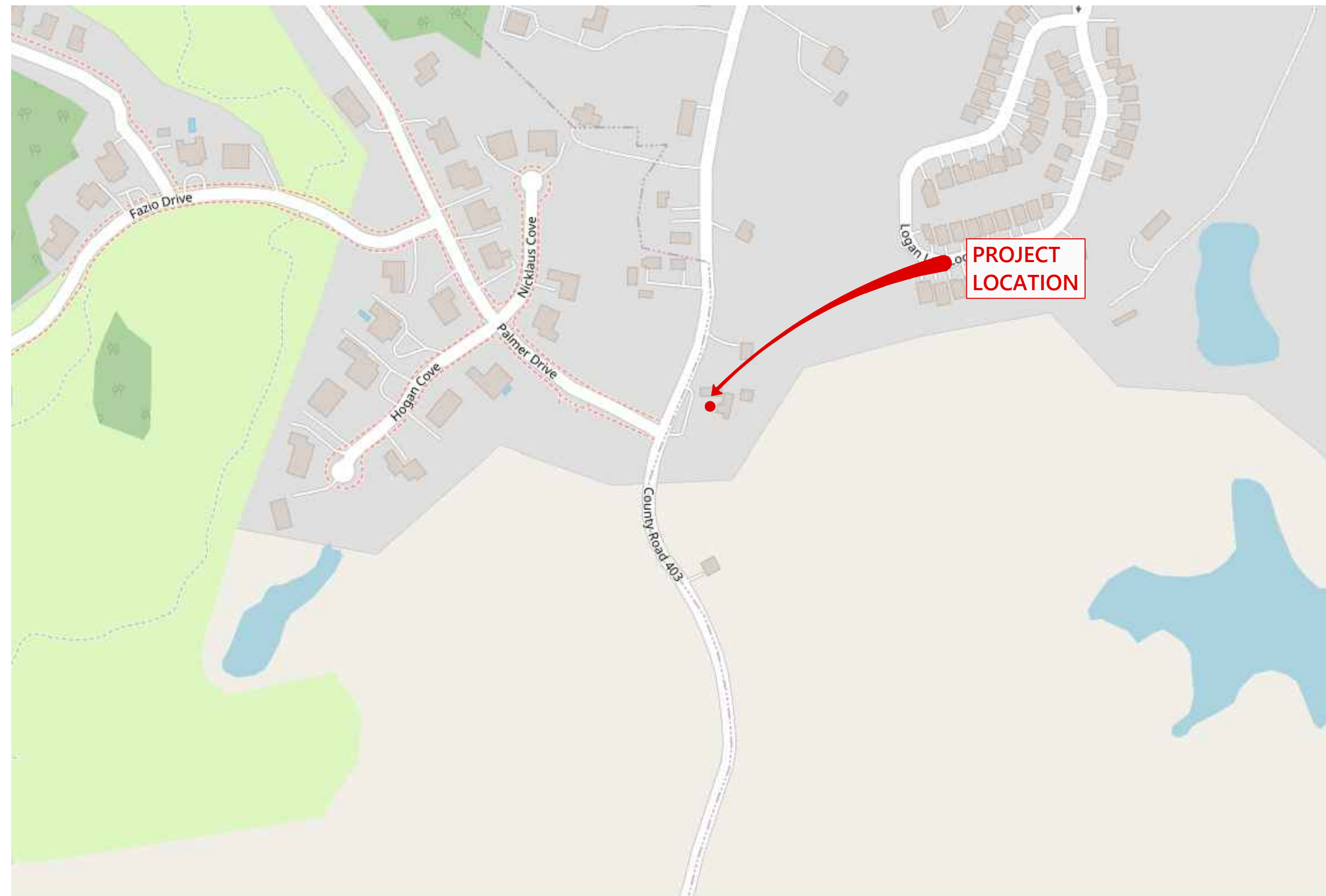




**OVERALL LOCATION MAP**



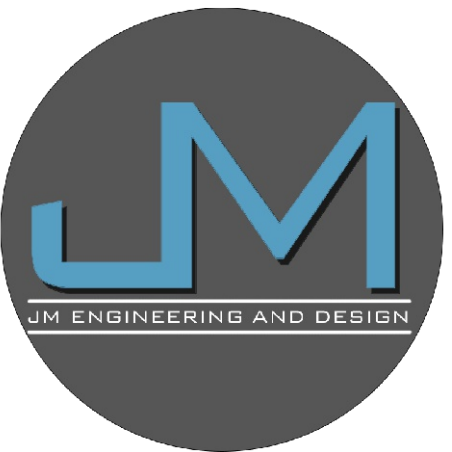
**ZONING MAP (ZONING: R-1)**



**LOCATION MAP**



**AERIAL MAP**



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**SITE MAPS**  
**BELLE RIVER PLACE**  
71 CR 403  
LAFAYETTE COUNTY, MISSISSIPPI

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**C-101**





**BELLE RIVER PLACE  
SIGNIFICANT TREE MITIGATION REQUIRED**

If we assume that the land is evenly distributed with X number of trees then,  
**Total DBH of trees to be removed per acre = X inches**

Every development in Oxford, MS gets a 10% tree mitigation credit before any mitigation is required.

10% of the total DBH of significant trees removed on site ( $X'' = 0.1X''$ ) of mitigation credit.

**Total DBH of significant trees being removed that must be mitigated per acre = 0.9X''**

The established mitigation rate of heritage trees is that 1, 2" tree; shall be planted for every 5 inches that are removed from the site.

By dividing the total significant DBH being removed by 5, we get the number of heritage trees to be mitigated per acre:

$0.9X/5 = 0.18X$  (2" trees)

Section 6.1.9 of the City of Oxford Land Development Code, states that existing significant trees located within a building footprint, street, driveway, sidewalk, pathway or utility easement shall generally not require mitigation. The next step is subtracting the areas of those listed items from the required mitigation area.

Buildings / Streets / Sidewalk Area:	1.08 AC
Total Acres Disturbed:	2.72 AC
- Total Disturbed Area Not Required for Mitigation:	1.08 AC
<b>Total Area Required for Mitigation:</b>	<b>1.64 AC</b>

Total Mitigate Trees for Disturbed Area (1.64 AC x 0.18X Trees per Acre) = 0.29X (2" trees)

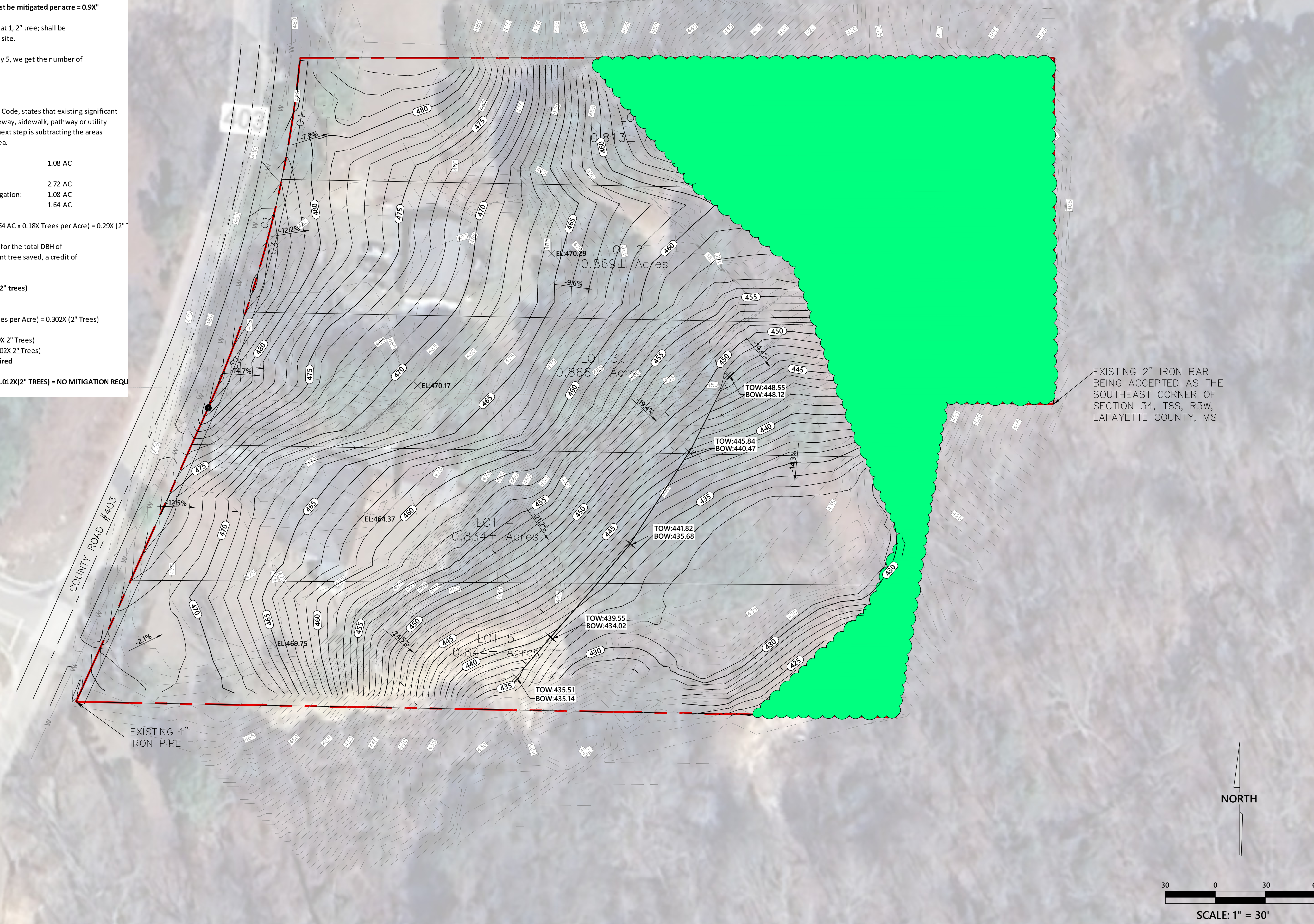
The final step is to add the tree credits that are given for the total DBH of saved significant trees. For every 5 inches of significant tree saved, a credit of 1, 2" tree is earned.

**Total mitigation credit trees per acre =  $X / 5'' = 0.20X$  (2" trees)**

Total Acres Saved:	1.51 AC
Total Tree Credit Earned (1.51 AC x 0.2X Trees per Acre) = 0.302X (2" Trees)	

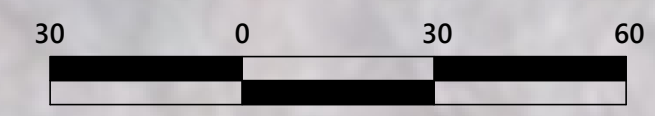
Total trees to be mitigated (0.29X 2" Trees)	
- Total mitigation credit trees (0.302X 2" Trees)	
<b>- 0.012X 2" mitigation trees required</b>	

**TOTAL MITIGATION REQUIRED FOR THIS PROJECT = - 0.012X(2" TREES) = NO MITIGATION REQUIRED SINCE WE ARE NOT DISTURBING 1.51 AC OF 4.23 AC.**

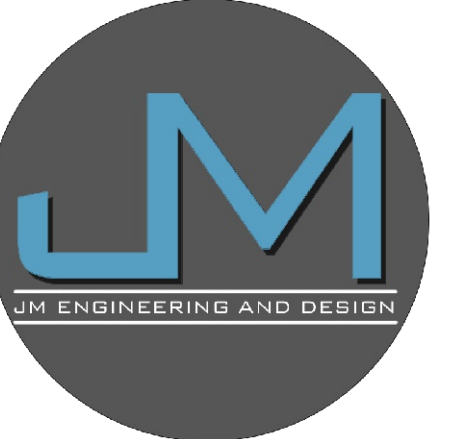


EXISTING 2" IRON BAR  
BEING ACCEPTED AS THE  
SOUTHEAST CORNER OF  
SECTION 34, T8S, R3W,  
LAFAYETTE COUNTY, MS

NORTH



SCALE: 1" = 30'




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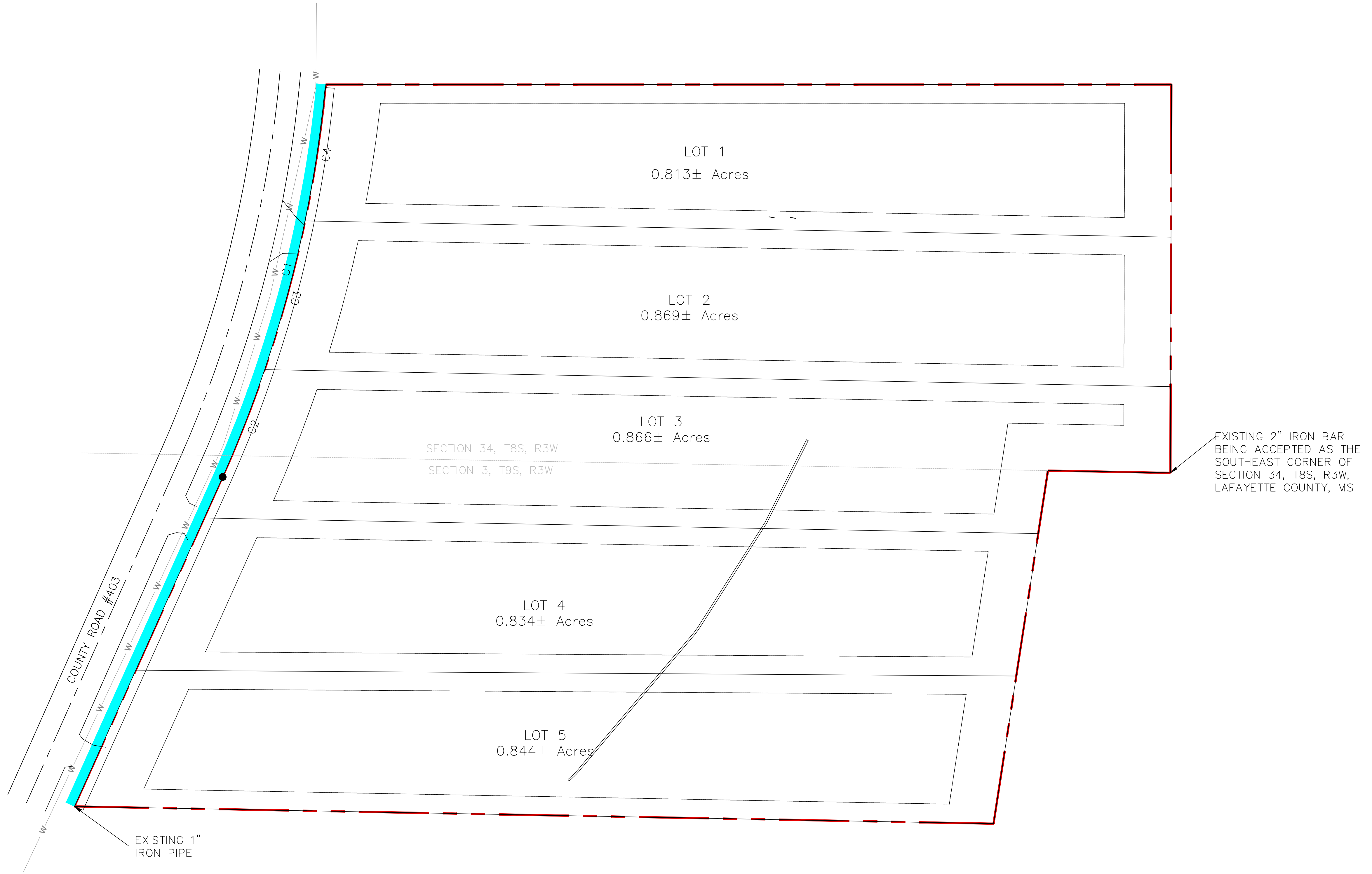
**TREE MITIGATION**  
**BELLE RIVER PLACE**  
71 CR 403  
LAFAYETTE COUNTY, MISSISSIPPI

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**C-202**

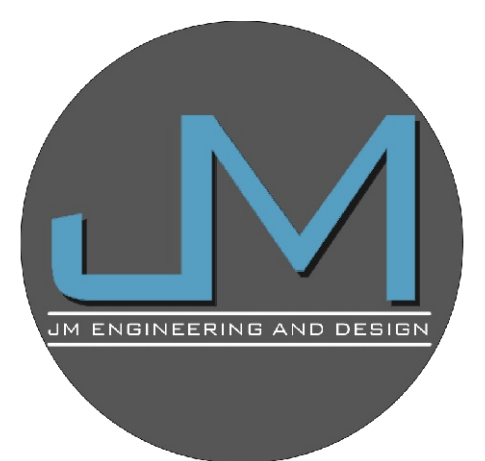
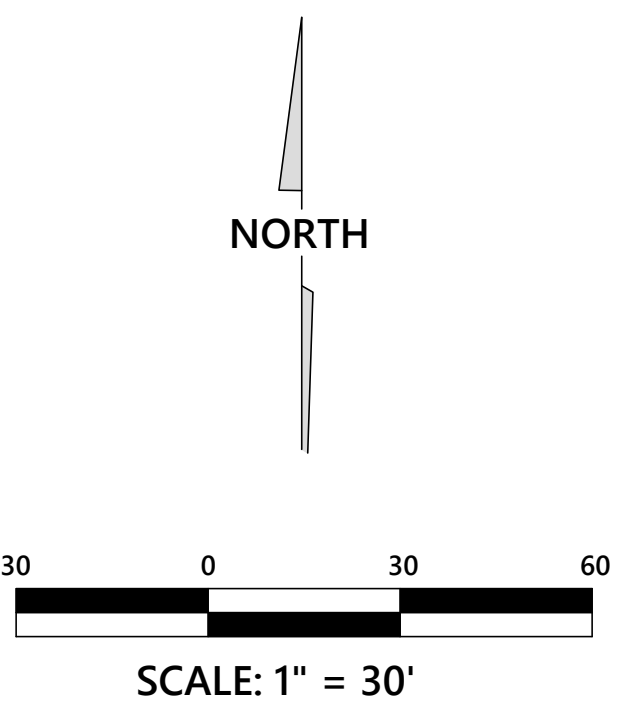
**PEDESTRIAN CONNECTIVITY**

SIDEWALK 



EXISTING 2" IRON BAR  
BEING ACCEPTED AS THE  
SOUTHEAST CORNER OF  
SECTION 34, T8S, R3W,  
LAFAYETTE COUNTY, MS

EXISTING 1" IRON PIPE

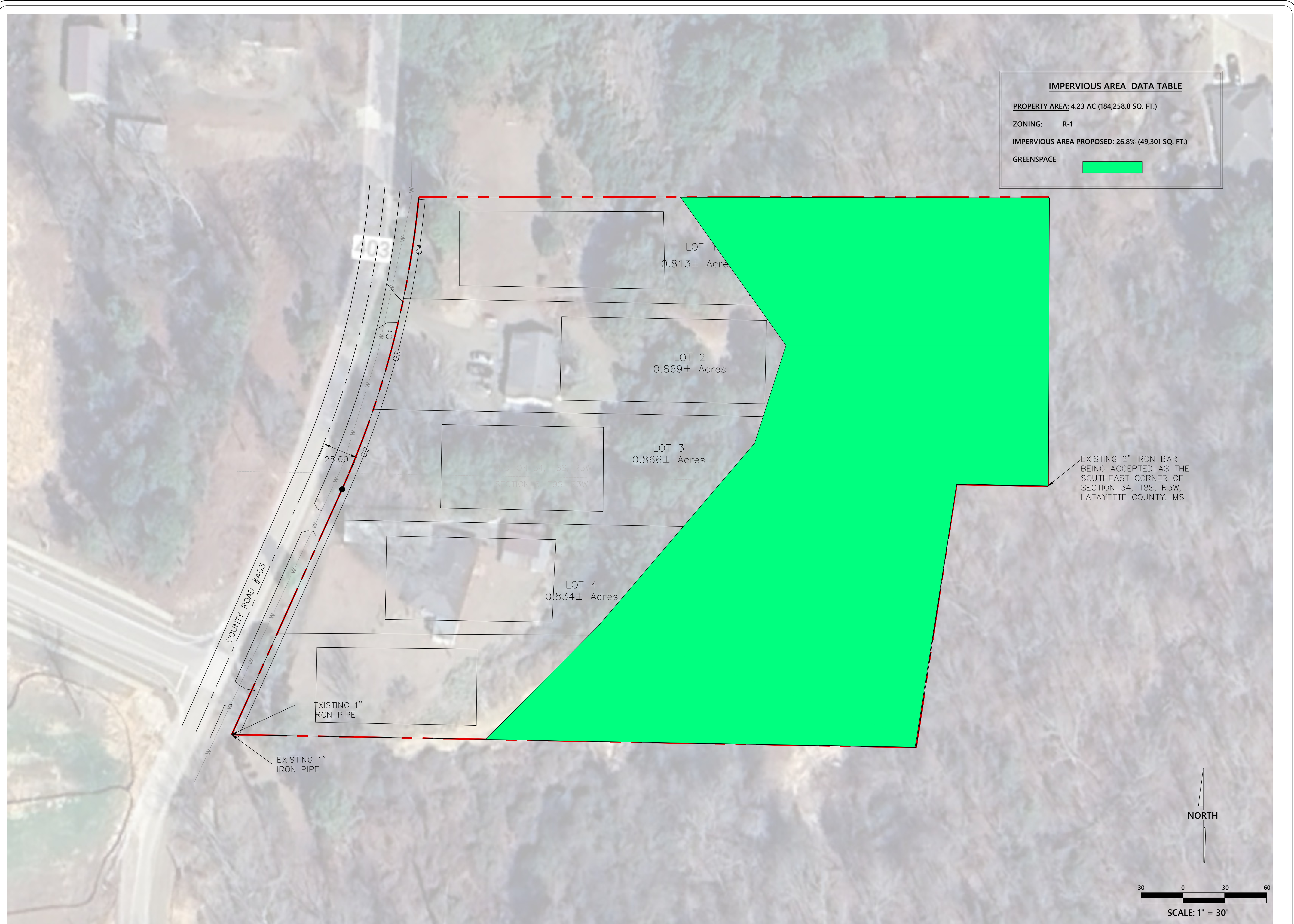


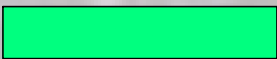
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**COMPLETE STREET PLAN**  
**BELLE RIVER PLACE**  
71 CR 403  
LAFAYETTE COUNTY, MISSISSIPPI

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**C-300**



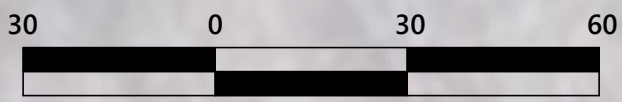
IMPERVIOUS AREA DATA TABLE	
PROPERTY AREA:	4.23 AC (184,258.8 SQ. FT.)
ZONING:	R-1
IMPERVIOUS AREA PROPOSED:	26.8% (49,301 SQ. FT.)
GREENSPACE	

EXISTING 2" IRON BAR  
BEING ACCEPTED AS THE  
SOUTHEAST CORNER OF  
SECTION 34, T8S, R3W,  
LAFAYETTE COUNTY, MS

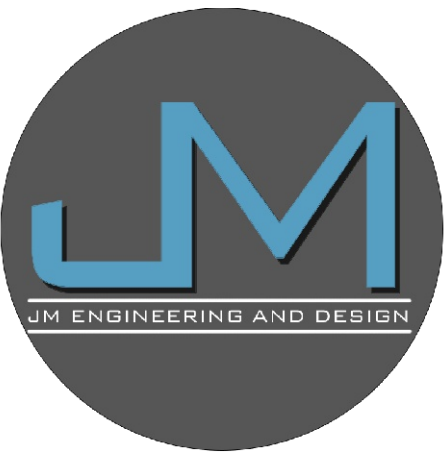
EXISTING 1" IRON PIPE

EXISTING 1" IRON PIPE

NORTH



SCALE: 1" = 30'

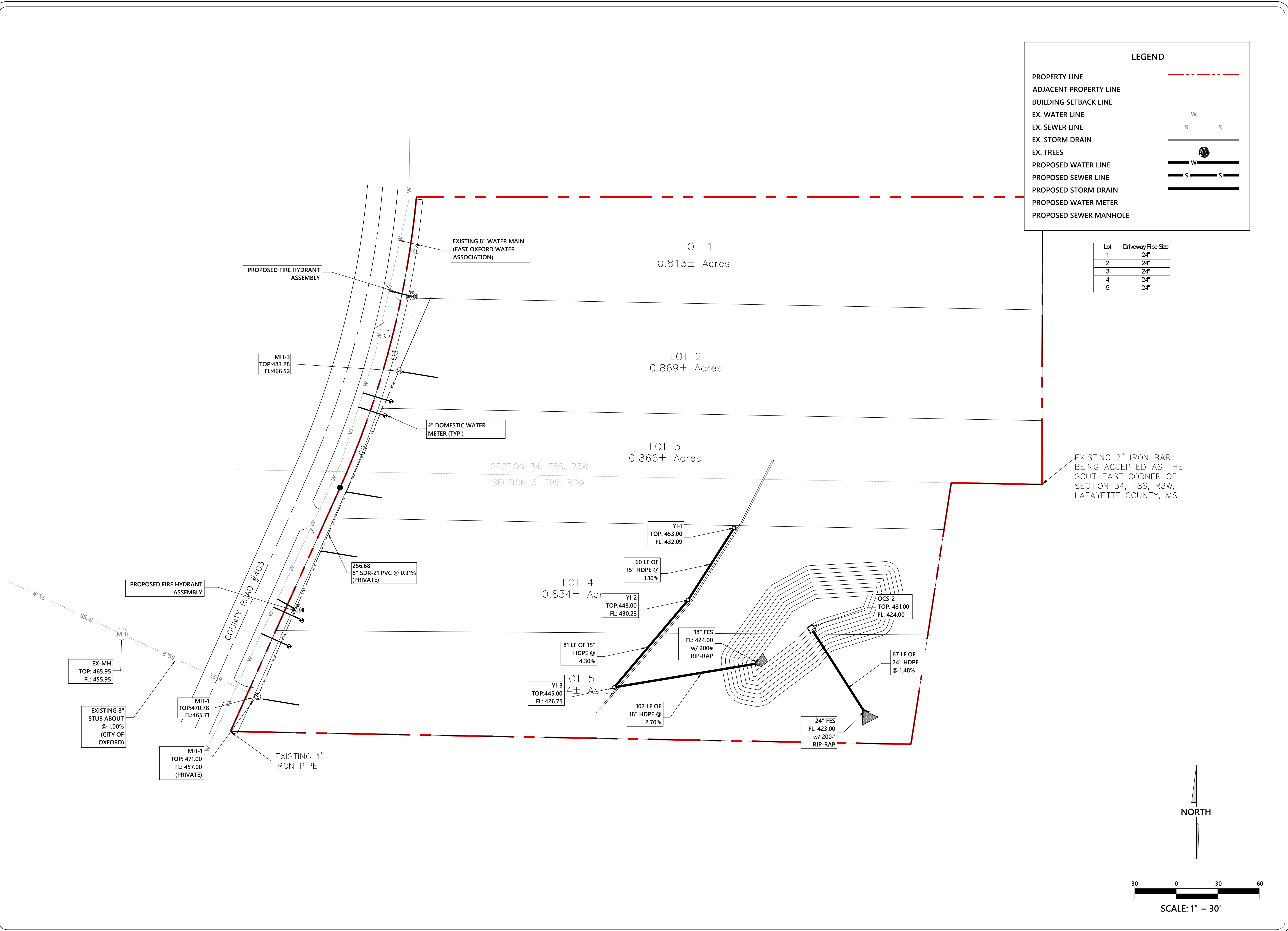


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GREENSPACE PLAN  
**BELLE RIVER PLACE**  
71 CR 403  
LAFAYETTE COUNTY, MISSISSIPPI

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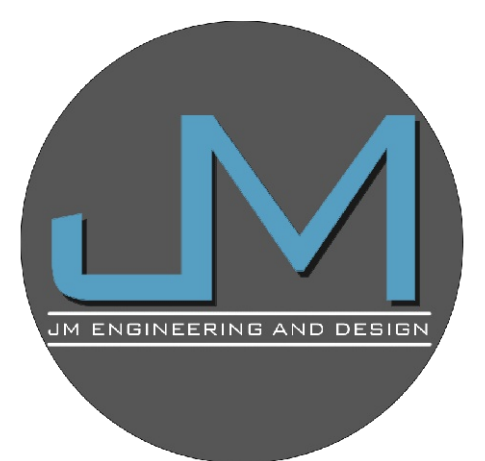
C-400



**LEGEND**

- PROPERTY LINE
- ADJACENT PROPERTY LINE
- BUILDING SETBACK LINE
- EX. WATER LINE
- EX. SEWER LINE
- EX. STORM DRAIN
- EX. TREES
- PROPOSED WATER LINE
- PROPOSED SEWER LINE
- PROPOSED STORM DRAIN
- PROPOSED WATER MANHOLE
- PROPOSED SEWER MANHOLE

Lot	Driveway Pipe Size
1	24"
2	24"
3	24"
4	24"
5	24"

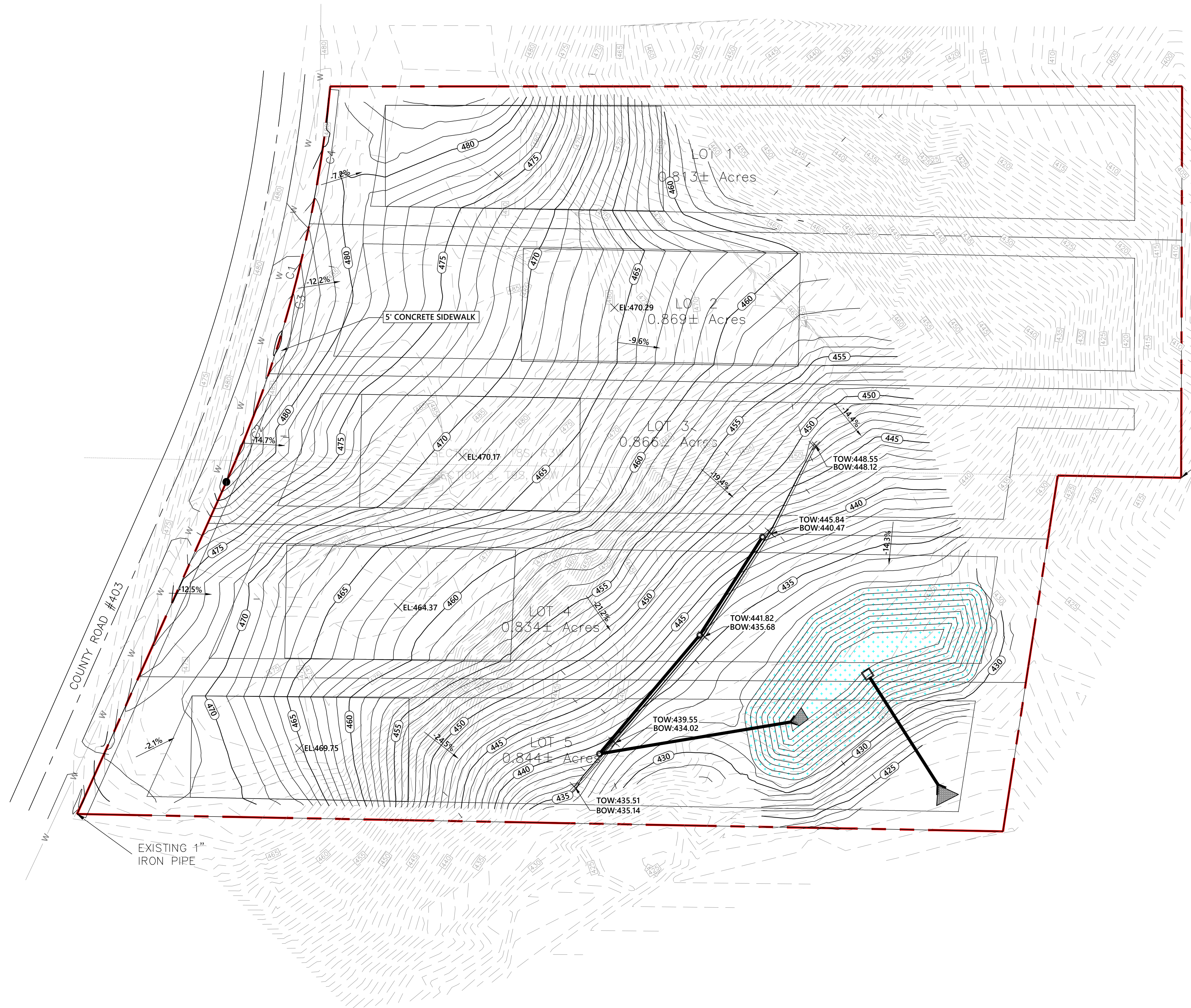


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**UTILITY PLAN**  
**BELLE RIVER PLACE**  
 71 CR 403  
 LAFAYETTE COUNTY, MISSISSIPPI

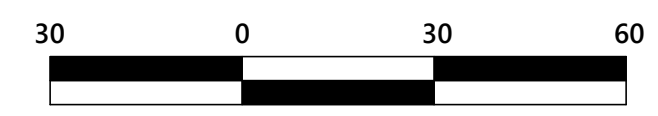
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**C-500**

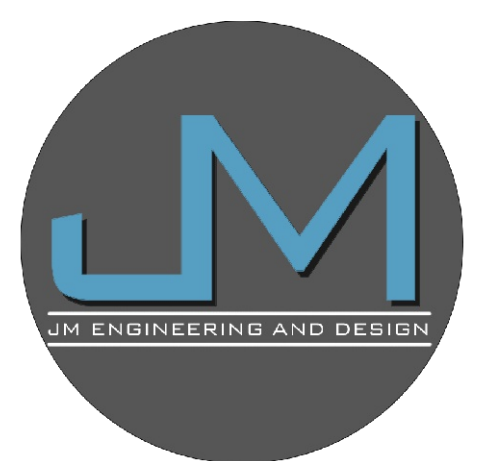


EXISTING 2" IRON BAR  
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LAFAYETTE COUNTY, MS

NORTH



SCALE: 1" = 30'



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**GRADING PLAN**  
**BELLE RIVER PLACE**  
71 CR 403  
LAFAYETTE COUNTY, MISSISSIPPI

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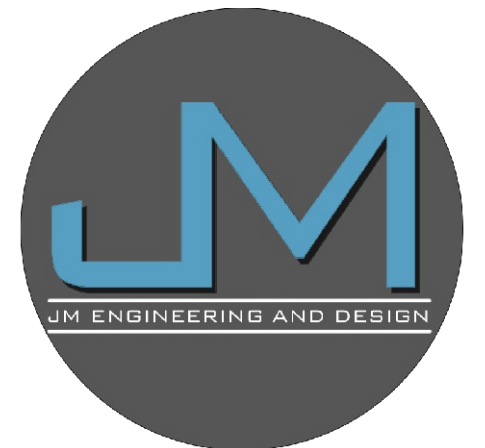
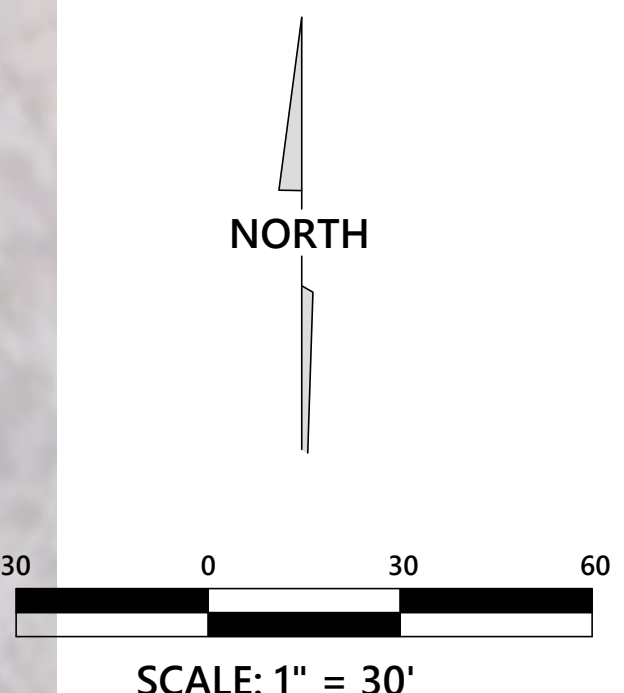
**C-600**



UNIFORM CODING SYSTEM FOR SOIL EROSION AND SEDIMENT CONTROL PRACTICES				
STRUCTURAL PRACTICES				
CODE	PRACTICE	DETAIL	MAP SYMBOL	DESCRIPTION
Cd	CHECKDAM			A small temporary barrier or dam constructed across a swale, drainage ditch or area of concentrated flow.
Co	CONSTRUCTION EXIT			A stone-stabilized pad located at any point where traffic will be leaving a construction site to a public right of way, street, alley, sidewalk or parking lot.
Di	DIVERSION			An earth channel or dike located above, below, or across a slope to divert runoff. This may be a temporary of permanent structure.
Ip	INLET SEDIMENT TRAP			An impounding area created by encaving around a storm drain drop inlet. The excavated area will be filled and stabilized on completion of construction activities.
Rd	ROCK FILTER DAM			A permanent or temporary stone filter dam installed across small streams or drainageways.
Sf	SILT FENCE			A barrier to prevent sediment from leaving the construction site. It may be sandbags, bales of straw or hay, brush, or a sediment fence. The barriers are usually temporary & inexpensive.
Tsb	TEMPORARY SEDIMENT BASIN			A basin created by excavating or constructing a dam across a waterway. The surface water runoff is temporarily stored allowing the bulk of the sediment to drop out.
Sr	TEMPORARY STREAM CROSSING			A temporary bridge or culvert-type structure protecting a stream or watercourse from damage by crossing construction equipment.
St	STORM DRAIN OUTLET PROTECTION			A paved or short section of rip rap channel at the outlet of a storm drain system preventing erosion from the concentrated runoff.

**EROSION CONTROL GENERAL NOTES**

- THE EROSION CONTROL SYSTEMS REQUIRE CERTIFICATION BY THE ENGINEER OF RECORD. SUCH CERTIFIED SYSTEMS SHALL BE COMPLETED, INSPECTED, AND IN PLACE BEFORE CONSTRUCTION BEGINS.
- THE CONTRACTOR, PERMITTEE OR OWNER SHALL BE RESPONSIBLE FOR THE INSPECTION, MODIFICATION AND PROPER MAINTENANCE OF THE EROSION CONTROL DEVICES AS NECESSARY.
- ALL EROSION CONTROL MEASURES REQUIRED TO RETAIN SEDIMENT ON-SITE AND TO SAFELY DISCHARGE ANY ACCELERATED RUNOFF GENERATED BY THE PROJECT SHALL BE INSTALLED DURING THE INITIAL CONSTRUCTION PHASE OF THE PROJECT.
- THE CONSTRUCTION AND MAINTENANCE OF ALL EROSION CONTROL SYSTEMS SHALL BE IN SUBSTANTIAL CONFORMANCE WITH THE APPROVED EROSION CONTROL PLAN.
- TEMPORARY EROSION CONTROL DEVICES SHOWN ON THE EROSION CONTROL PLAN WHICH INTERFERE WITH THE WORK SHALL BE RELOCATED OR MODIFIED AS THE WORK PROGRESSES.
- EROSION CONTROL SYSTEMS SHALL BE SERVICED AND MAINTAINED TO PROVIDE CONTINUOUS CAPACITY AND ADEQUACY TO FUNCTION AS DESIGNED. AFTER PRECIPITATION EXCEEDING ONE QUARTER (1/4) INCH IN ANY 12-HOUR PERIOD SILT AND DEBRIS SHALL BE REMOVED FROM CHECK DAMS AND DESILTING BASINS.
- EROSION CONTROL PROVISIONS SHALL INCLUDE AND COMPLEMENT DRAINAGE PATTERNS DURING THE CURRENT AND FUTURE PHASES OF GRADING THROUGHOUT THE RAINY SEASON.
- PAVED STREETS, SIDEWALKS, AND OTHER IMPROVEMENTS SHALL BE MAINTAINED IN A NEAT AND CLEAN CONDITION, FREE OF LOOSE SOIL, CONSTRUCTION DEBRIS, AND TRASH. STREET SWEEPING OR OTHER EQUALLY EFFECTIVE MEANS SHALL BE USED ON A REGULAR BASIS TO CONTROL EROSION. WATERING SHALL NOT BE USED TO CLEAN STREETS EXCEPT FOR THE REMOVAL OF FINE MATERIAL NOT OTHERWISE REMOVED BY SWEEPING OR OTHER MECHANICAL MEANS.
- A GRAVEL BAG SILT BASIN OR TRAP SHALL BE PROVIDED AT EVERY STORM DRAIN INLET TO PREVENT SEDIMENT FROM ENTERING THE STORM DRAIN SYSTEM.
- OWNER/CONTRACTOR SHALL USE APPLICABLE BEST MANAGEMENT PRACTICES (BMP'S) AS CONTAINED IN THE MISSISSIPPI DEQ MANUAL.
- CONTRACTOR MUST ENSURE THAT THE CONSTRUCTION SITE IS PREPARED PRIOR TO THE ONSET OF ANY STORM.
- ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE MAINTAINED UNTIL DISTURBED AREAS ARE STABILIZED. CHANGES TO THIS EROSION AND SEDIMENT CONTROL PLAN SHALL BE MADE TO MEET FIELD CONDITIONS ONLY WITH THE APPROVAL OF OR AT THE DIRECTION OF A REPRESENTATIVE OF THE ENGINEER.
- ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE CHECKED BEFORE AND AFTER ALL STORMS TO ENSURE MEASURES ARE FUNCTIONING PROPERLY.
- CONTRACTOR SHALL MAINTAIN A LOG AT THE SITE OF ALL INSPECTIONS OR MAINTENANCE OF BMP AS WELL AS ANY CORRECTIVE CHANGES TO THE BMP'S OR EROSION AND SEDIMENT CONTROL PLAN.
- THE CONTRACTOR SHALL INSTALL THE STABILIZED CONSTRUCTION ENTRANCE PRIOR TO COMMENCEMENT OF GRADING. LOCATION OF THE ENTRANCE MAY BE ADJUSTED BY THE CONTRACTOR TO FACILITATE GRADING OPERATIONS. ALL CONSTRUCTION TRAFFIC ENTERING THE PAVED ROAD MUST CROSS THE STABILIZED CONSTRUCTION ENTRANCE. THE STABILIZED CONSTRUCTION ENTRANCE SHALL REMAIN IN PLACE UNTIL THE ROAD BASE ROCK COURSE IS COMPLETED.
- ALL SEDIMENT DEPOSITED ON PAVED ROADWAYS SHALL BE SWEEPED AT THE END OF EACH WORKING DAY OR AS NECESSARY.



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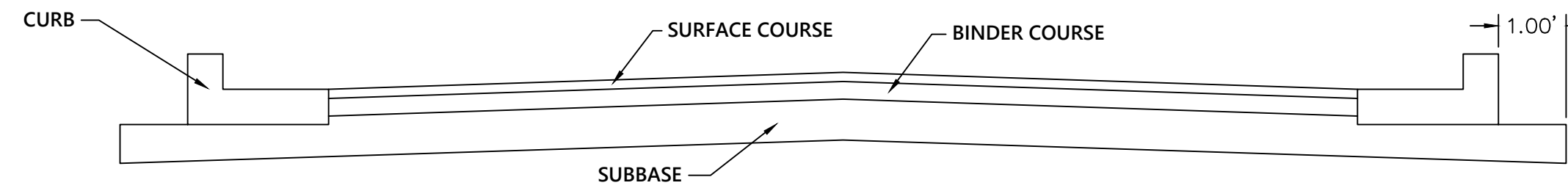
**EROSION CONTROL PLAN**  
**BELLE RIVER PLACE**  
 71 CR 403  
 LAFAYETTE COUNTY, MISSISSIPPI

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**C-700**

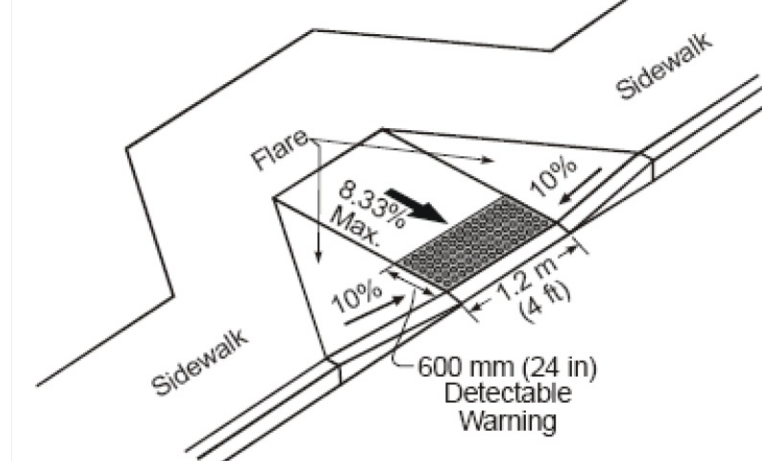
**GENERAL NOTES**

- 1) LIST OF PUBLIC UTILITIES:  
 WATER - EAST OXFORD WATER ASSOCIATION  
 SEWER - CITY OF OXFORD UTILITIES  
 ELECTRIC - NORTH EAST MS POWER  
 GAS - CENTERPOINT ENERGY
- 2) IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROTECT EXISTING STRUCTURES SUCH AS PIPES, INLETS, CURBS, ETC. FROM DAMAGE WHICH MIGHT OCCUR DURING CONSTRUCTION. EXTREME CARE SHALL BE EXERCISED IN UNDERCUT AREAS AND THE UNDERCUT DEPTH MAY BE ADJUSTED AT CROSS DRAINS, AS DIRECTED BY THE ENGINEER. THE CONTRACTOR SHALL REPLACE OR REPAIR, AS DIRECTED BY THE ENGINEER, ANY STRUCTURES DAMAGED DURING THE LIFE OF THE CONTRACT. NO PAYMENT WILL BE MADE FOR REPLACEMENT OR REPAIR OF DAMAGES.
- 3) ALL EXISTING UTILITIES OR OTHER OBSTRUCTIONS, WHICH CONFLICT WITH REQUIRED CONSTRUCTION SHALL BE REMOVED AT THE CONTRACTOR'S EXPENSE AS AN ABSORBED ITEM.
- 4) THE EROSION CONTROL DEVICES REFERENCED IN THESE PLANS ARE A MINIMUM REQUIREMENT. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO INSURE THAT SILT DOES NOT LEAVE THE CONSTRUCTION SITE OR CONTAMINATE WATERS OF THE U.S. DURING CONSTRUCTION. THE CONTRACTOR SHALL MAINTAIN A "SMALL CONSTRUCTION NOTICE OF INTENT" PERMIT AS REQUIRED BY THE MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY AND MAINTAIN THE PLAN DURING CONSTRUCTION.
- 5) EXISTING UTILITIES ON THE DRAWINGS ARE SHOWN IN THEIR ORIGINAL LOCATION BASED UPON THE BEST INFORMATION AVAILABLE TO THE ENGINEER. THE ENGINEER CAN NOT AND DOES NOT WARRANT THAT THIS INFORMATION IS COMPLETE OR ACCURATE. THE CONTRACTOR MUST COORDINATE DIRECTLY WITH THE INVOLVED UTILITY OWNERS (INCLUDING MISSISSIPPI ONE CALL) TO HAVE UNDERGROUND UTILITY LINES LOCATED IN ADVANCE OF CONSTRUCTION.
- 6) WORK ON STRUCTURES FOR THIS PROJECT REQUIRES EXCAVATION IN THE IMMEDIATE VICINITY OF ADJACENT PROPERTIES. THEREFORE, THE RISK OF A FAILURE OCCURRING DURING THE EXCAVATION REQUIRES THAT EXTREME CAUTION BE EXERCISED. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PLACE WHAT BRACING, SHORING OR GROUND SUPPORT SYSTEM THAT IS DEEMED NECESSARY TO PREVENT A FAILURE AND PROTECT THE PERSONS WORKING NEAR THE EXCAVATION, THE PUBLIC THAT MAY BE ABOVE THE EXCAVATION OR ANY STRUCTURE ADJACENT TO THE EXCAVATION. ALL COSTS FOR ANY PROTECTIVE MEASURES, INCLUDING THE MATERIALS AND LABOR FOR DESIGNING, DRAWING AND CONSTRUCTING THE FACILITY, SHALL BE INCLUDED IN THE PRICE BID FOR CONTRACT ITEMS.
- 7) IN ORDER TO HOLD SILT TO A MINIMUM, IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO INSTALL AND MAINTAIN TEMPORARY EROSION CONTROL MEASURES (SILT FENCE, DITCH DECKS, ETC.)
- 8) ANY AREAS DISTURBED DURING CONSTRUCTION SHALL BE RESTORED BY THE CONTRACTOR TO INCLUDE GRASSING AND SITE GRADING) AS DIRECTED BY THE ENGINEER, ARCHITECT OR OWNER. CONTRACTOR SHALL PROVIDE TEMPORARY EROSION CONTROL FOR DISTURBED AREA UNTIL THEY HAVE BEEN GRASSED AND GROWTH ESTABLISHED.
- 9) THIS PLAN DOES NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY OF INSTALLING TRAFFIC CONTROL DEVICES IN ACCORDANCE WITH THE MUTCD. OTHER SIGNS AND TRAFFIC CONTROL DEVICES MAY BE REQUIRED DURING THE VARIOUS PHASES OF CONSTRUCTION. ALL TRAFFIC CONTROL DEVICES ON THIS PROJECT SHALL COMPLY WITH PART VI OF THE M.U.T.C.D. (LATEST EDITION).
- 10) THE CONTRACTOR IS TO REMOVE AND RESET ANY SIGNS WHICH CONFLICT WITH CONSTRUCTION.
- 11) THE CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFICATION OF EXISTING GRADES AND MAKING ADJUSTMENTS AS NECESSARY WITH THE APPROVAL OF THE PROJECT ENGINEER BEFORE ORDERING MATERIALS.
- 12) BRICK RED TRUNCATED DOMES REQUIRED AT ALL SIDEWALK CROSSINGS
- 13) IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ACQUIRE A COPY OF THE GEOTECH REPORT AND FOLLOW ALL RECOMMENDATIONS.
- 14) ALL MATERIALS USED SHALL MEET LAFAYETTE COUNTY SPECIFICATIONS AND REQUIREMENTS.

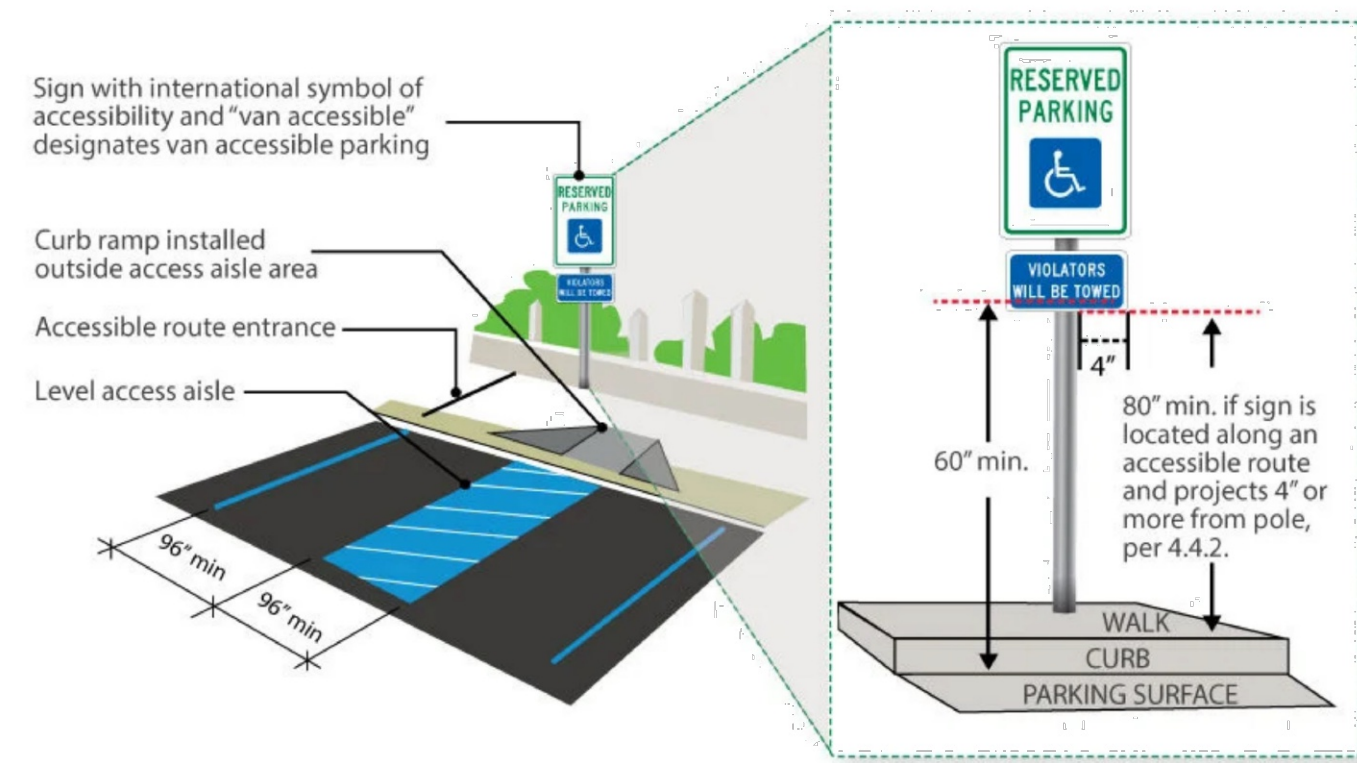


**Typical Sections - Parking and Interior Drives**

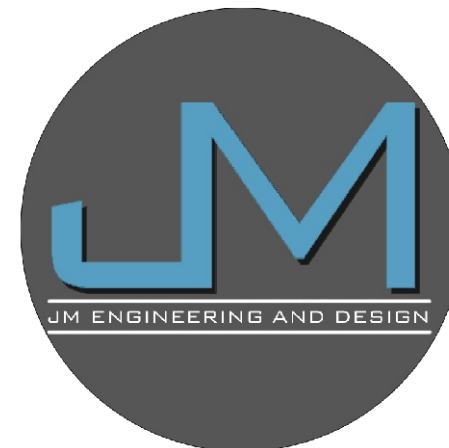
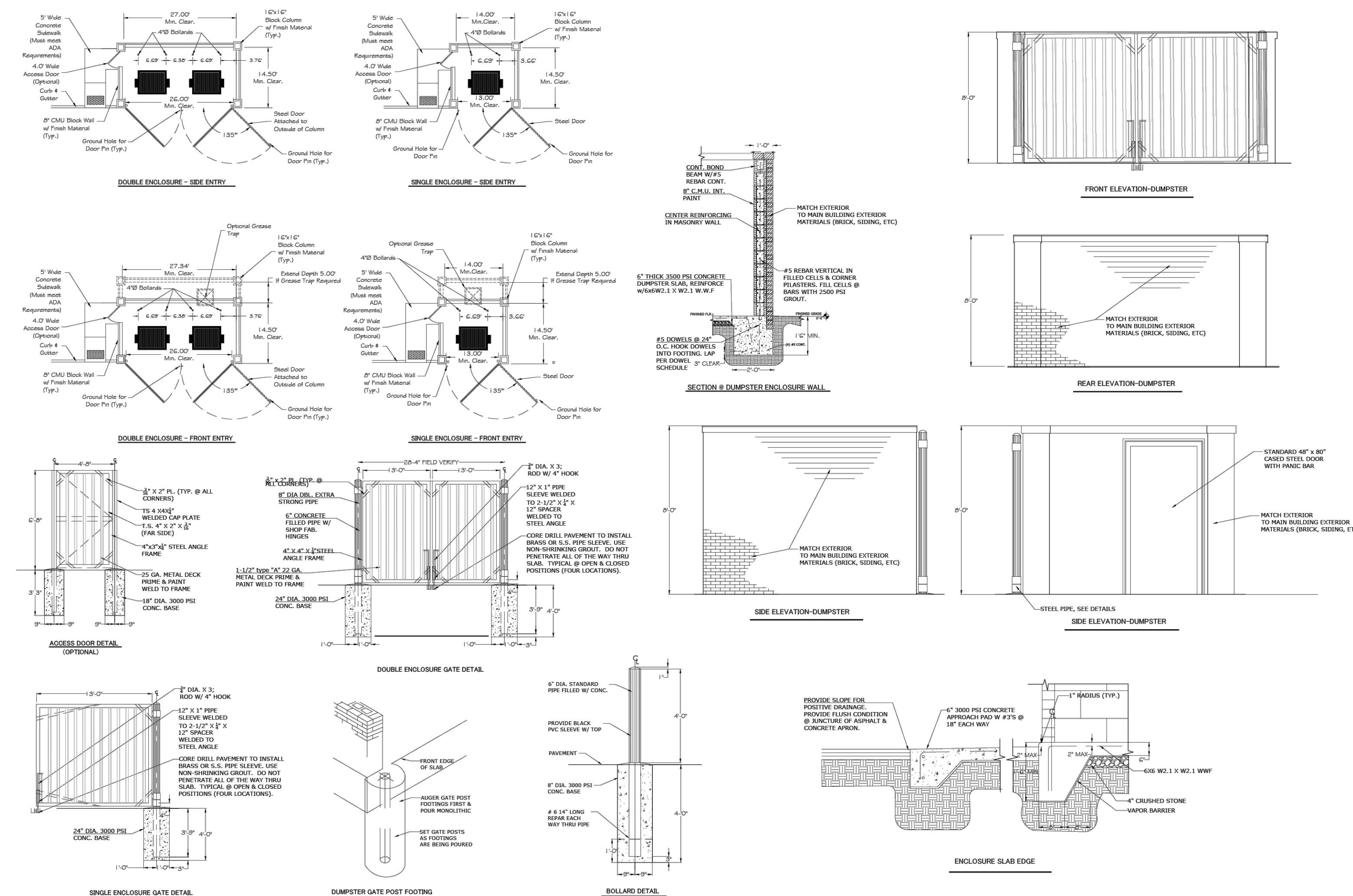
- FLEXIBLE PAVEMENT(S)**  
**(LIGHT-DUTY)**  
 SUBGRADE: 8" MINIMUM PROCESSED IN-SITU SOILS OR SELECT IMPORTED FILL COMPACTED TO A MINIMUM OF 95% OF MAXIMUM DRY DENSITY AS DEFINED BY ASTM D-698.  
 SUBBASE: 6" MINIMUM CRUSHED LIMESTONE MEETING MDOT SPECIFICATIONS FOR SIZE NO. 610 AGGREGATE. COMPACT TO A MINIMUM OF 98% OF MAXIMUM DRY DENSITY AS DEFINED BY ASTM D-698.  
 BASE: 2.0" MINIMUM HOT MIXED BITUMINOUS BASE COURSE CONFORMING TO MDOT STANDARD SPECIFICATIONS FOR TYPE MT-19MM OR BB-1 MATERIAL.  
 SURFACE: 1.5" MINIMUM HOT MIXED BITUMINOUS SURFACE COURSE CONFORMING TO MDOT STANDARD SPECIFICATIONS FOR TYPE MT-9.5 MM OR SC-L MATERIAL.
- (CEMENT STABILIZED ALTERNATE)**  
 SUBGRADE: 6" MINIMUM PROCESSED IN-SITU SOILS OR SELECT IMPORTED FILL COMPACTED TO A MINIMUM OF 95% OF MAXIMUM DRY DENSITY AS DEFINED BY ASTM D-698. INCORPORATE 6% PORTLAND CEMENT (BY VOLUME) IN ACCORDANCE WITH MDOT STANDARD SPECIFICATIONS WITHIN UPPER 8" OF SUBGRADE. (APPX 34#/5Y)  
 BASE: 2.0" MINIMUM HOT MIXED BITUMINOUS BASE COURSE CONFORMING TO MDOT STANDARD SPECIFICATIONS FOR TYPE MT-19MM OR BB-1 MATERIAL.  
 SURFACE: 1.5" MINIMUM HOT MIXED BITUMINOUS SURFACE COURSE CONFORMING TO MDOT STANDARD SPECIFICATIONS FOR TYPE MT-9.5 MM OR SC-L MATERIAL.
- (HEAVY-DUTY)**  
 SUBGRADE: 8" MINIMUM PROCESSED IN-SITU SOILS OR SELECT IMPORTED FILL COMPACTED TO A MINIMUM OF 95% OF MAXIMUM DRY DENSITY AS DEFINED BY ASTM D-698.  
 SUBBASE: 6" MINIMUM CRUSHED LIMESTONE MEETING MDOT SPECIFICATIONS FOR SIZE NO. 610 AGGREGATE. COMPACT TO A MINIMUM OF 98% OF MAXIMUM DRY DENSITY AS DEFINED BY ASTM D-698.  
 BASE: 4.0" MINIMUM HOT MIXED BITUMINOUS BASE COURSE CONFORMING TO MDOT STANDARD SPECIFICATIONS FOR TYPE MT-19 MM OR BB-1 MATERIAL.  
 SURFACE: 2.0" MINIMUM HOT MIXED BITUMINOUS SURFACE COURSE CONFORMING TO MDOT STANDARD SPECIFICATIONS FOR TYPE MT-9.5 MM OR SC-1 MATERIAL.
- (CEMENT STABILIZED ALTERNATE)**  
 SUBGRADE: 6" MINIMUM PROCESSED IN-SITU SOILS OR SELECT IMPORTED FILL COMPACTED TO A MINIMUM OF 95% OF MAXIMUM DRY DENSITY AS DEFINED BY ASTM D-698. INCORPORATE 6% PORTLAND CEMENT (BY VOLUME) IN ACCORDANCE WITH MDOT STANDARD SPECIFICATIONS WITHIN UPPER 8" OF SUBGRADE. (APPX 34#/5Y)  
 BASE: 4.0" MINIMUM HOT MIXED BITUMINOUS BASE COURSE CONFORMING TO MDOT STANDARD SPECIFICATIONS FOR TYPE MT-19MM OR BB-1 MATERIAL.  
 SURFACE: 2.0" MINIMUM HOT MIXED BITUMINOUS SURFACE COURSE CONFORMING TO MDOT STANDARD SPECIFICATIONS FOR TYPE MT-9.5 MM OR SC-L MATERIAL.



**ADA CURB RAMP DETAIL**



**ADA SIGNAGE DETAIL**



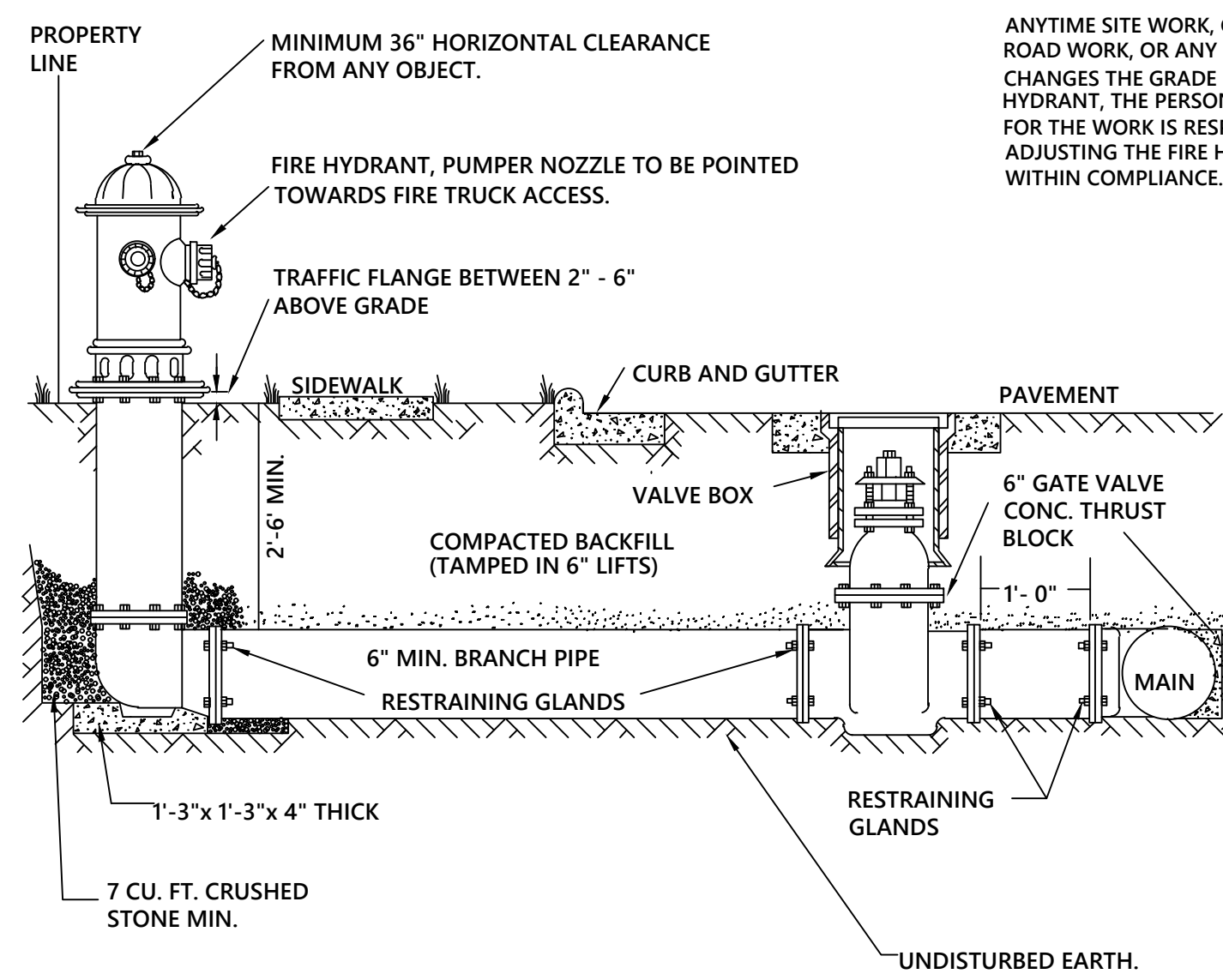
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 (662) 801-8803

**SITE DETAILS**

**BELLE RIVER PLACE**  
 71 CR 403  
 LAFAYETTE COUNTY, MISSISSIPPI

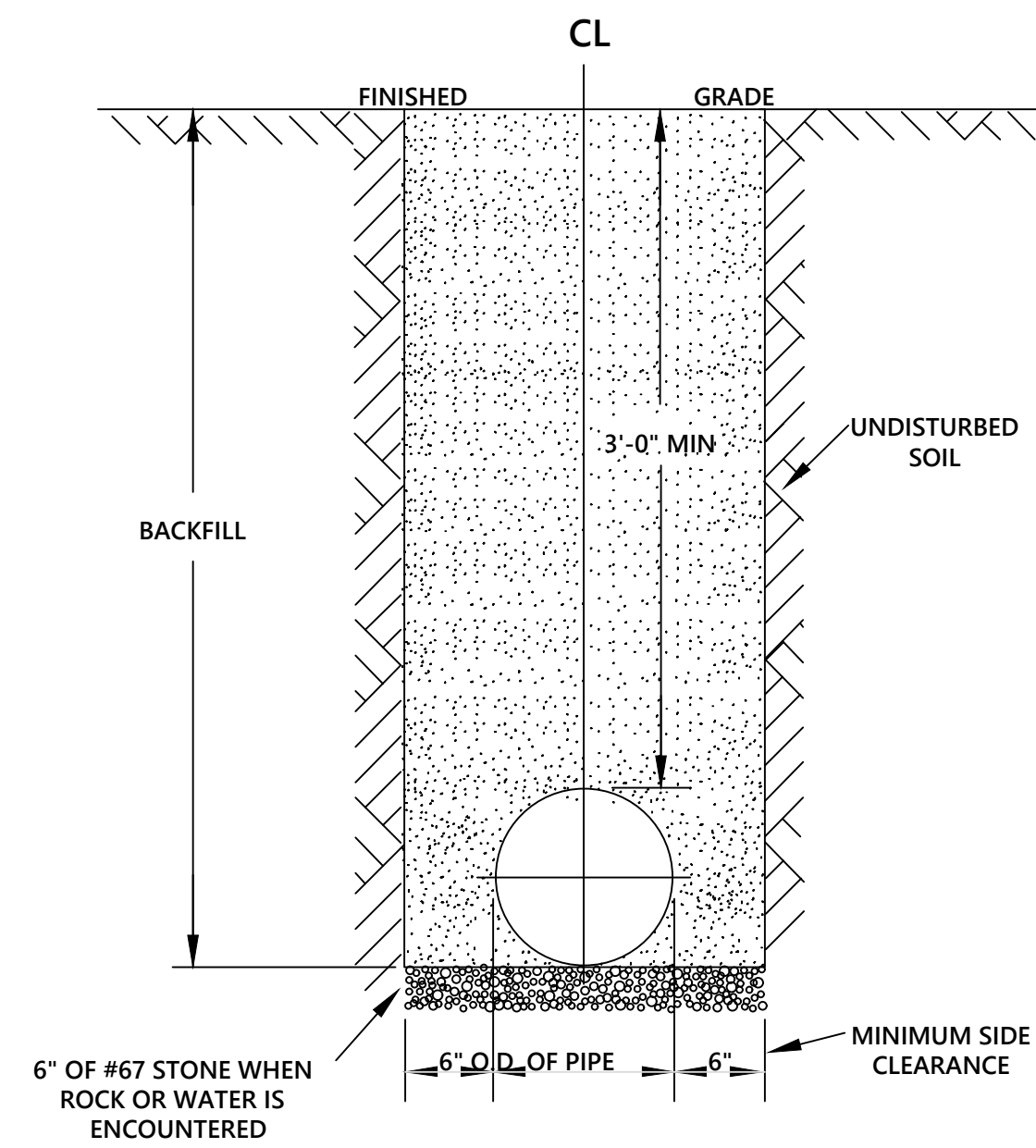
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**C-800**



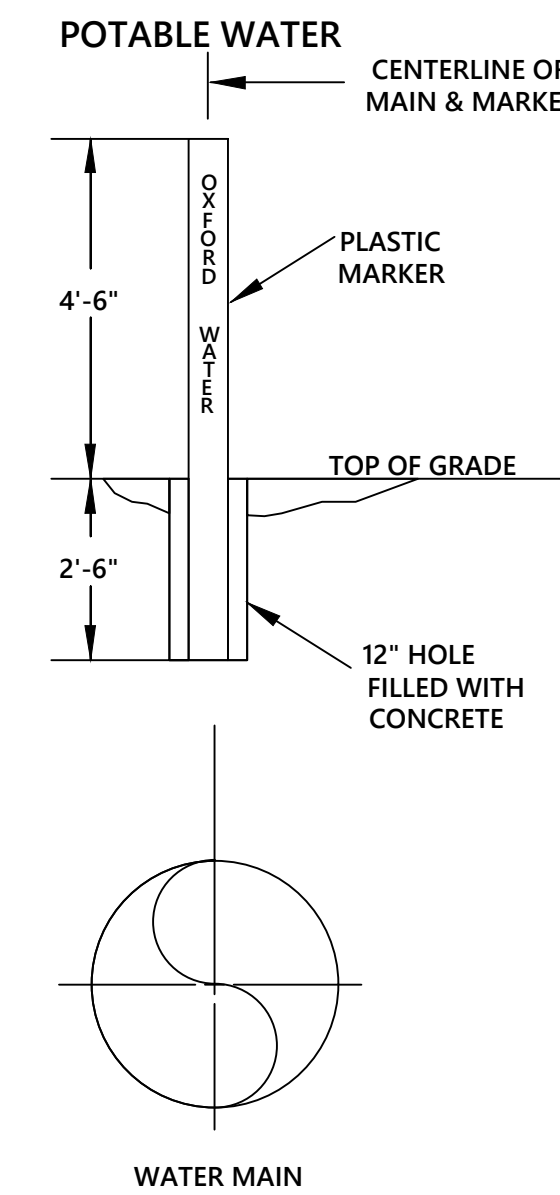
- ANYTIME SITE WORK, CONSTRUCTION, ROAD WORK, OR ANY OTHER WORK CHANGES THE GRADE OF THE FIRE HYDRANT, THE PERSON RESPONSIBLE FOR THE WORK IS RESPONSIBLE FOR ADJUSTING THE FIRE HYDRANT TO STAY WITHIN COMPLIANCE.
- NOTES:
1. FIRE HYDRANT SHALL BE AS MANUFACTURED: MUELLER, AMERICAN DARLING, KENNEDY, M&H, WATEROUS, CLOW, EAST JORDAN IRON WORKS, OR US PIPE.
  2. BRANCH PIPE SHALL BE DUCTILE IRON AWWA C150-96
  3. 6\"/>

FIRE HYDRANT INSTALLATION DETAIL



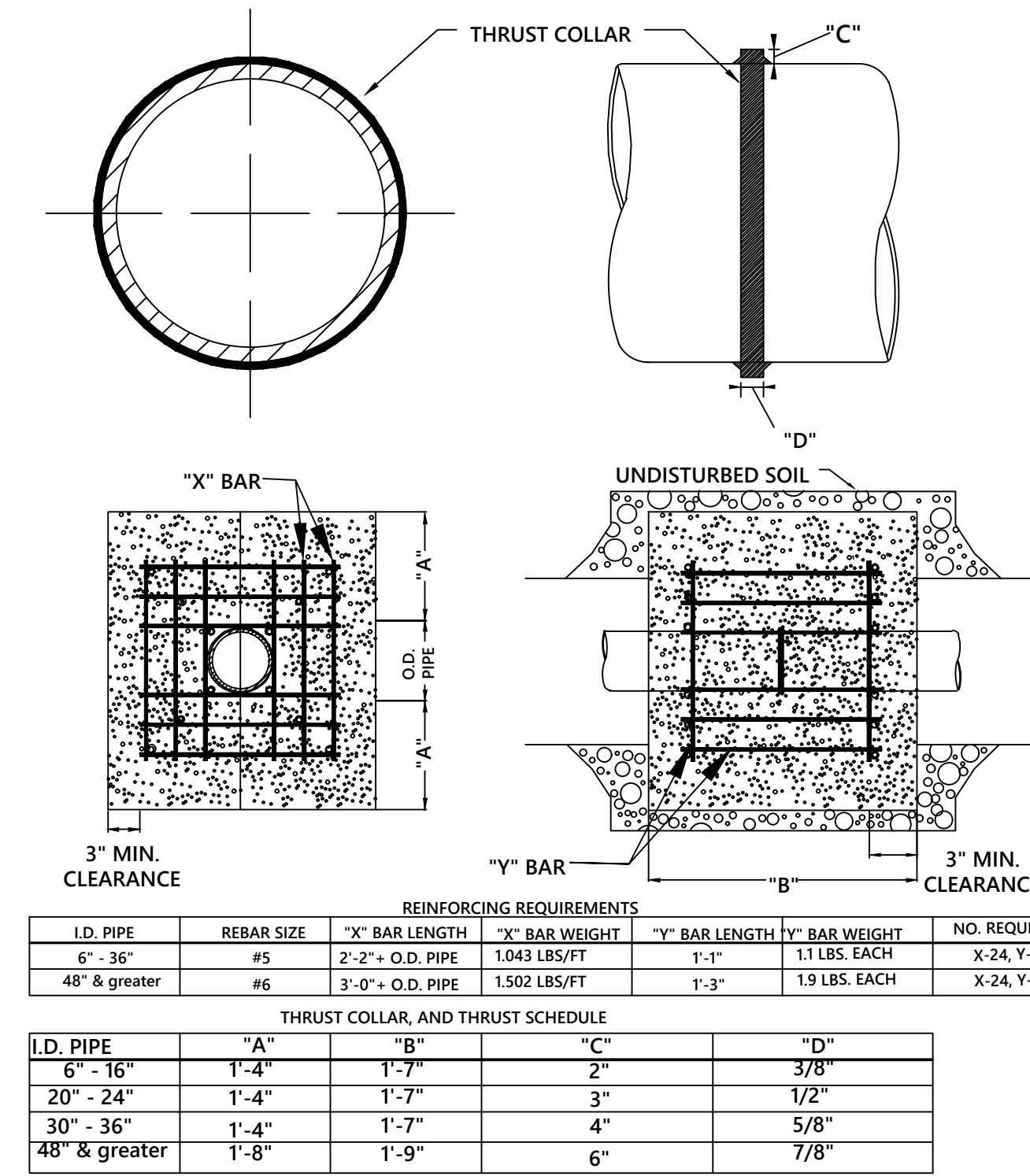
- NOTES:
1. TRENCHES REQUIRING SHORING AND BRACING, DIMENSIONS SHALL BE TAKEN FROM THE INSIDE FACE OF THE SHORING AND BRACING.
  2. NO ROCKS OR BOULDERS 4\"/>

TRENCH REQUIREMENTS FOR MAIN



- NOTES:
1. POTABLE WATER MARKER TO BE BLUE IN COLOR.
  2. POTABLE WATER MARKER TO BE LABELED \"OXFORD WATER\".
  3. TO BE SPACED ALONG CENTERLINE OF MAIN EVERY 300 FEET.
  4. MARKERS TO BE ROUND AND 4\"/>

TRENCH REQUIREMENTS FOR MAIN

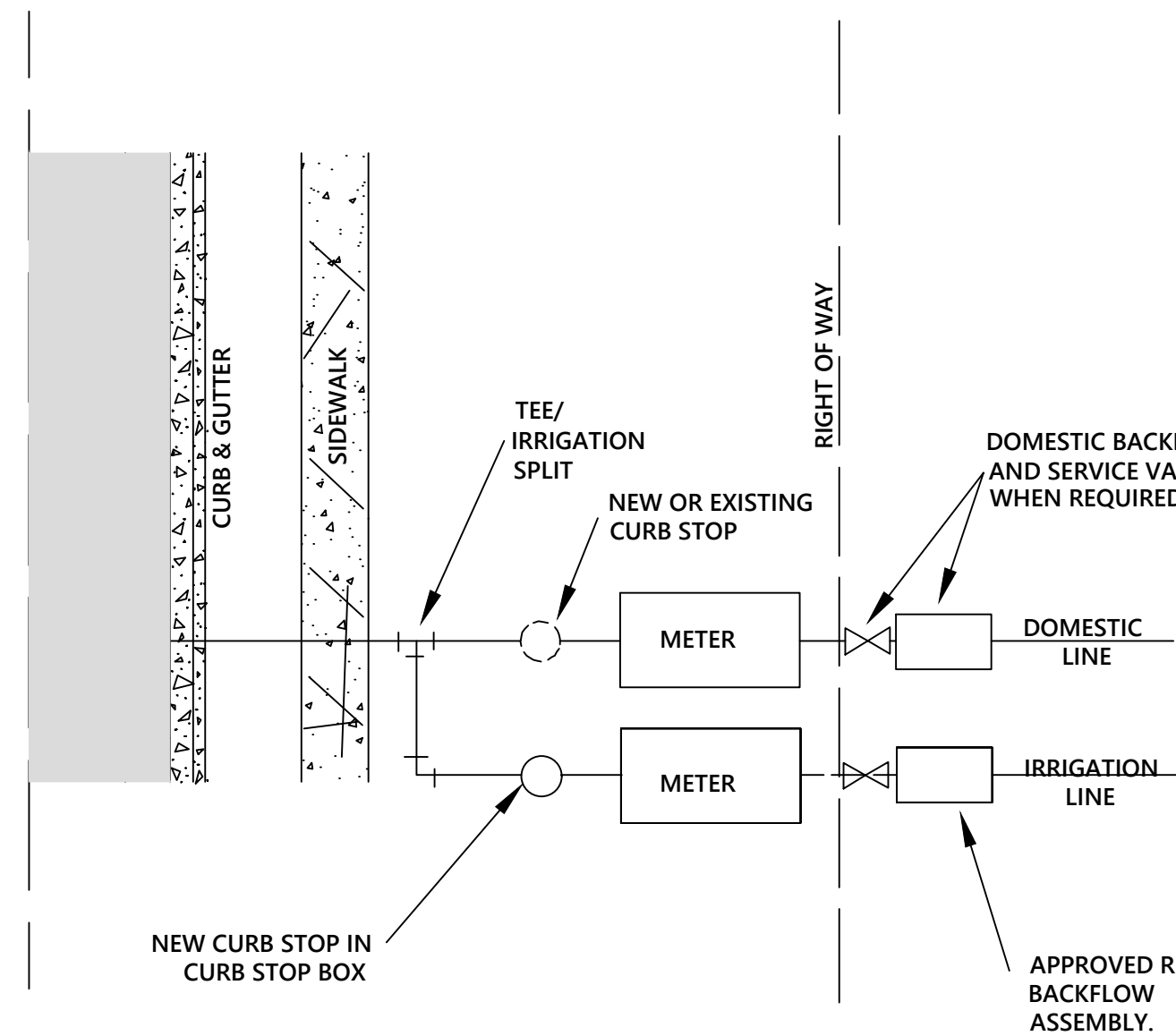


REINFORCING REQUIREMENTS						
I.D. PIPE	REBAR SIZE	\"X\" BAR LENGTH	\"X\" BAR WEIGHT	\"Y\" BAR LENGTH	\"Y\" BAR WEIGHT	NO. REQUIRED
6\"/>						

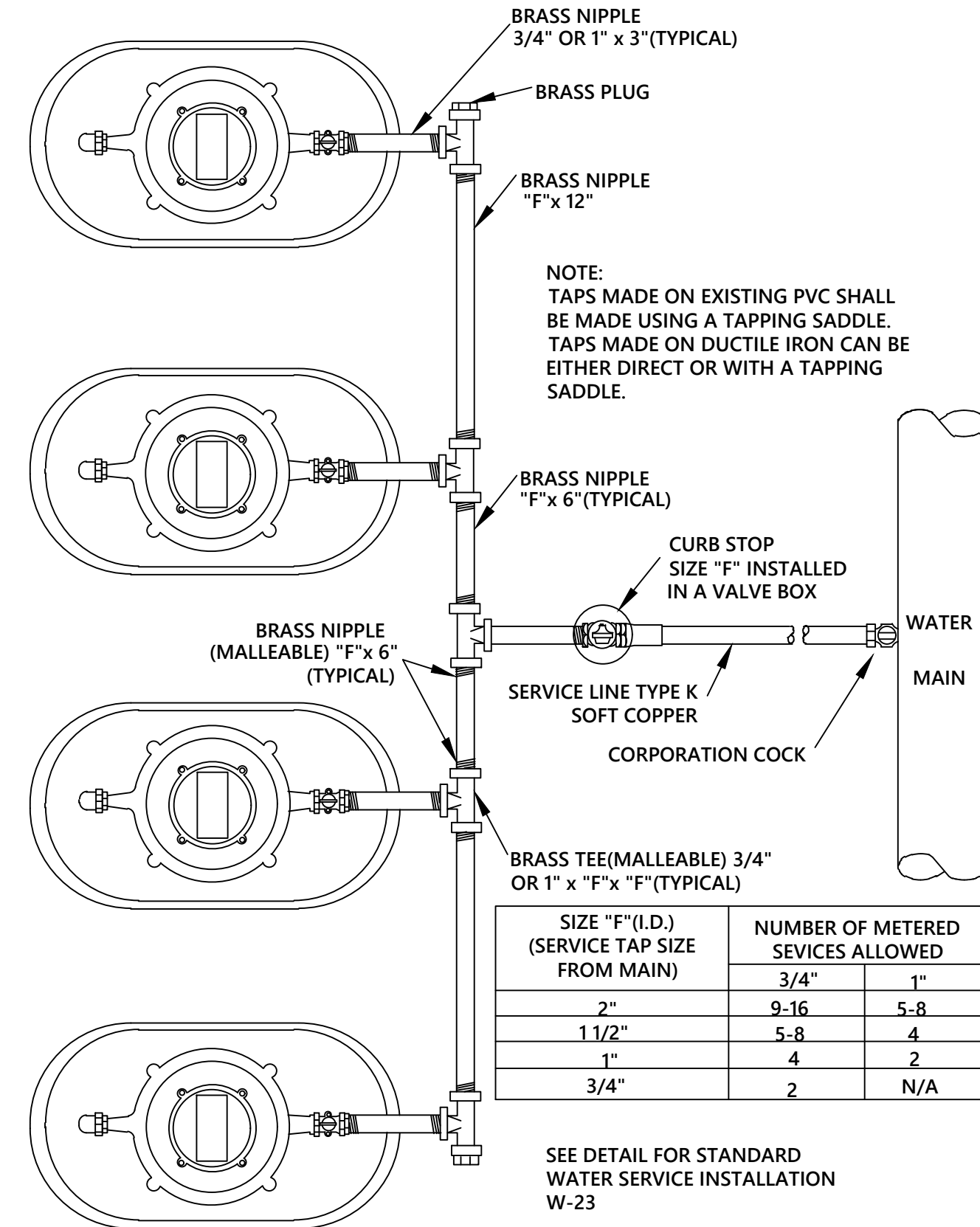
THRUST COLLAR AND THRUST SCHEDULE				
I.D. PIPE	\"A\"	\"B\"	\"C\"	\"D\"
6\"/>				

THRUST BLOCKING DESIGN DATA



- NOTES:
1. IRRIGATION METER SHALL BE LOCATED ON THE SIDE OF DOMESTIC METER WITH INCREASING ADDRESSES.
  2. THE BACKFLOW SHALL BE INSTALLED NO MORE THAN 10' FROM THE METER IN A VISIBLE LOCATION.
  3. BACKFLOW RISER/STANDPIPE SHALL BE OF COPPER OR BRASS.
  4. A SERVICE VALVE IS REQUIRED AFTER THE METER BUT BEFORE THE BACKFLOW ASSEMBLY FOR MAINTENANCE AND REPLACEMENT PURPOSES.
  5. THE INSTALLATION MUST ALSO MEET ALL CODE REQUIREMENTS PER THE NC PLUMBING CODE.

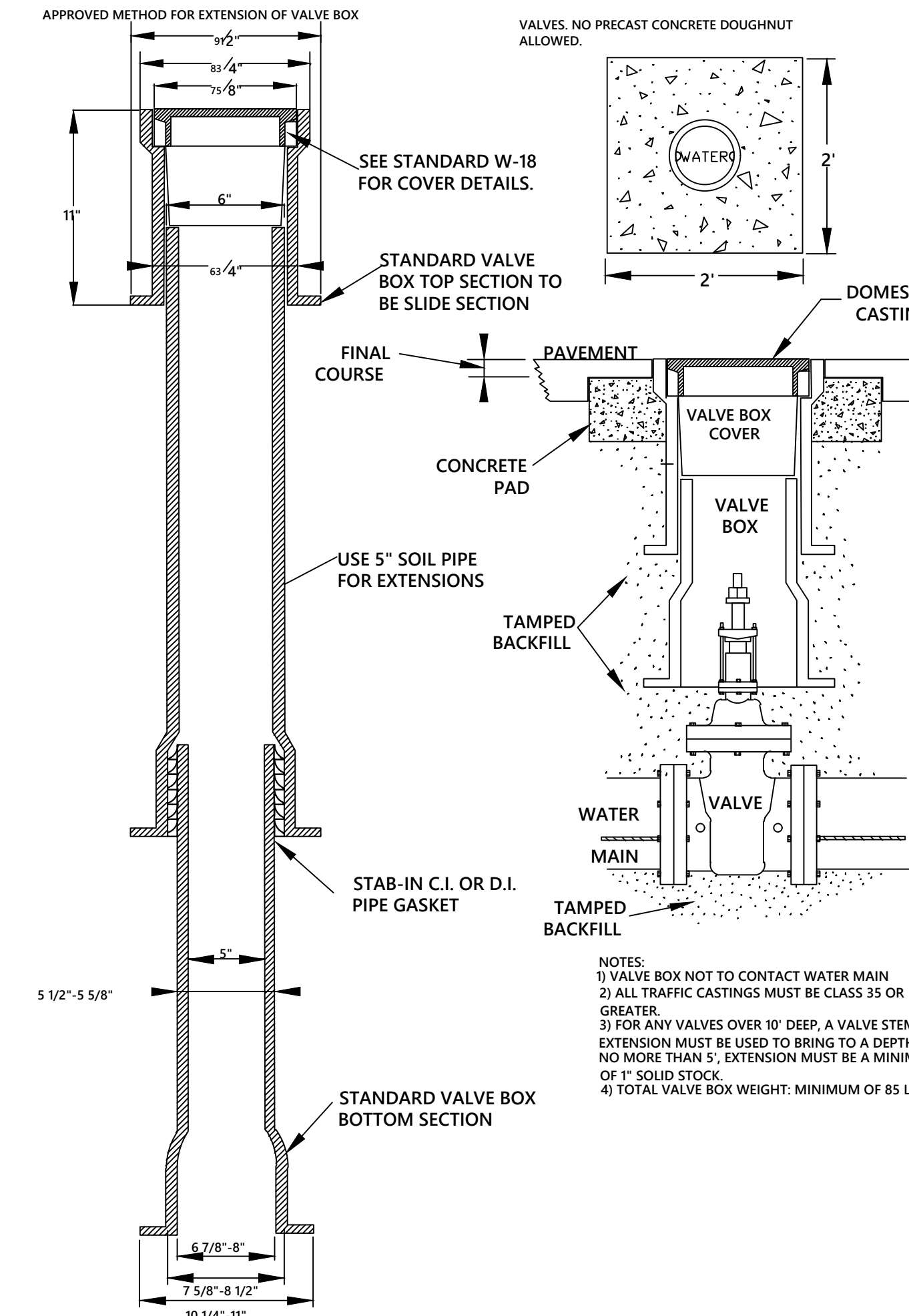
IRRIGATION TAP ON NEW AND EXISTING SERVICES



SIZE \"F\" (I.D.) (SERVICE TAP SIZE FROM MAIN)	NUMBER OF METERED SERVICES ALLOWED
3/4\"/>	

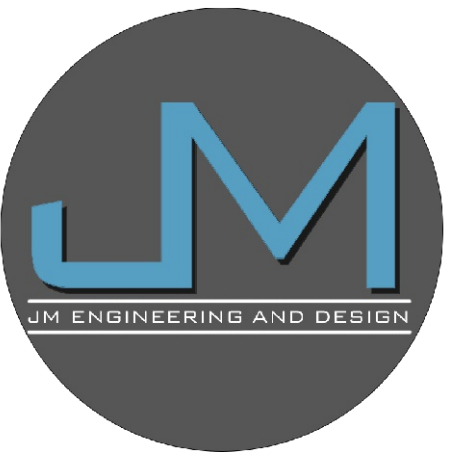
SEE DETAIL FOR STANDARD WATER SERVICE INSTALLATION W-23

STANDARD GANG METER ASSEMBLY



- NOTES:
1. VALVE BOX NOT TO CONTACT WATER MAIN
  2. ALL TRAFFIC CASTINGS MUST BE CLASS 35 OR GREATER.
  3. FOR ANY VALVES OVER 10' DEEP, A VALVE STEM EXTENSION MUST BE USED TO BRING TO A DEPTH OF NO MORE THAN 5'; EXTENSION MUST BE A MINIMUM OF 1\"/>

VALVE BOX INSTALLATION

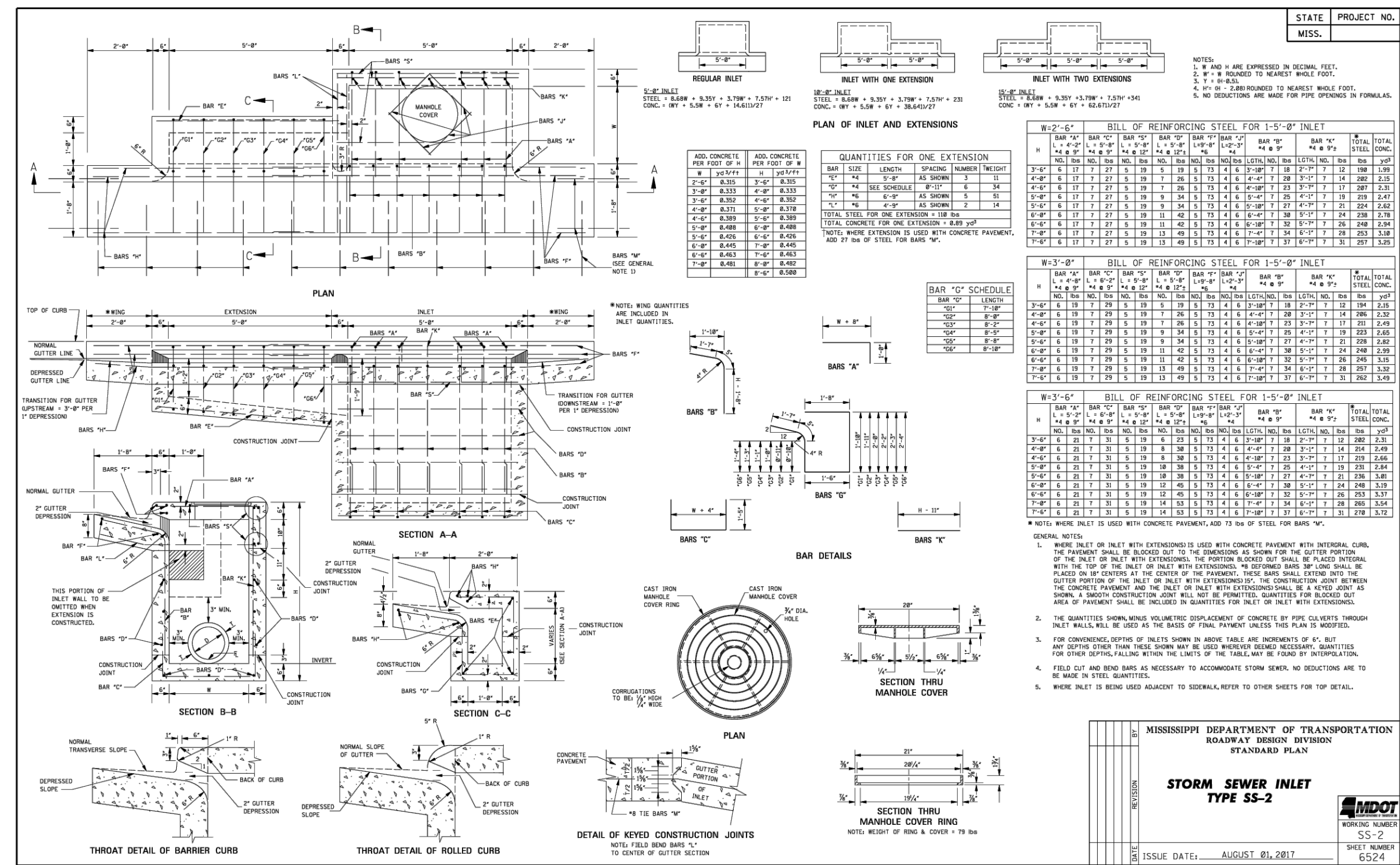


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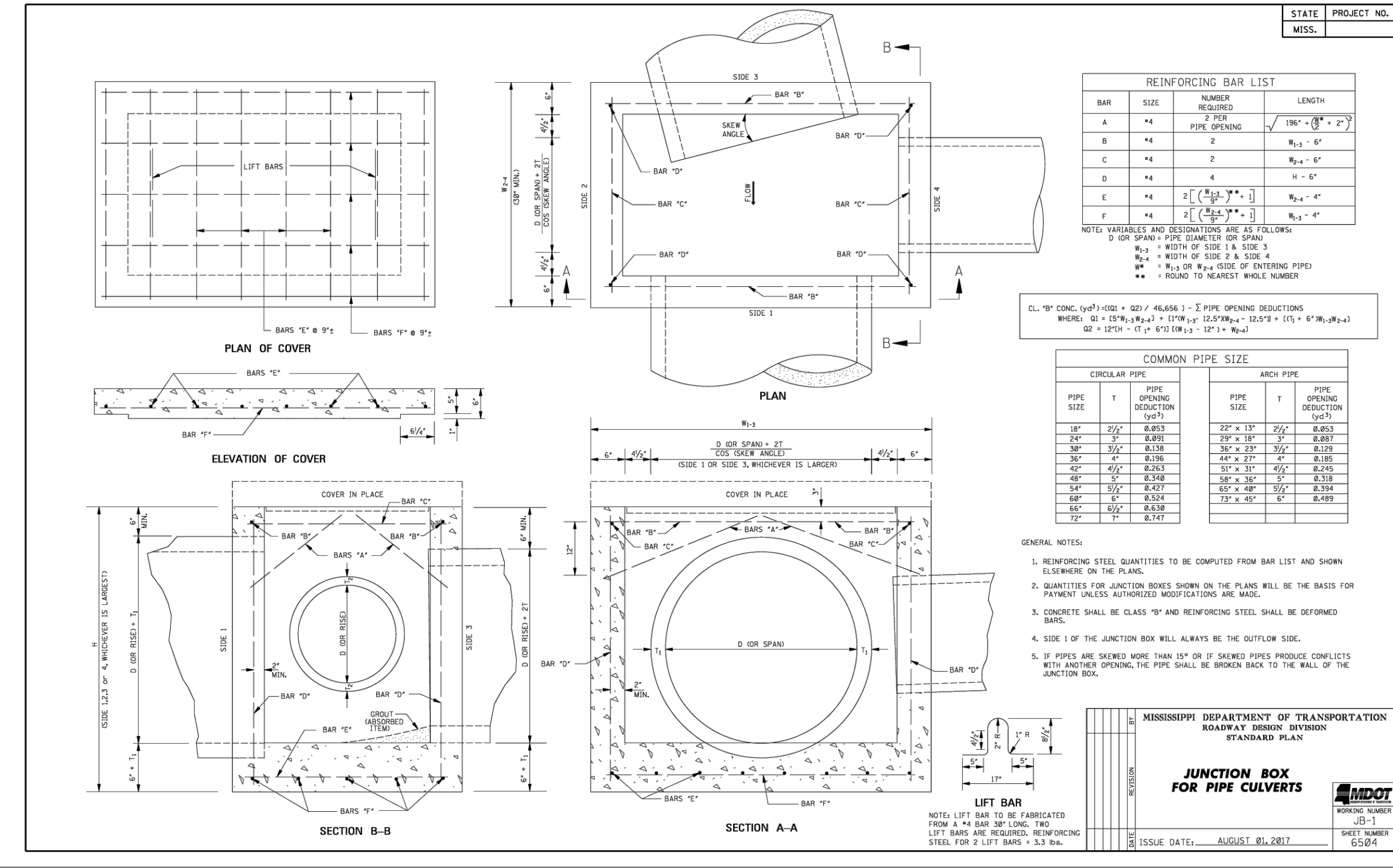
WATER DETAILS  
BELLE RIVER PLACE  
71 CR 403  
LAFAYETTE COUNTY, MISSISSIPPI

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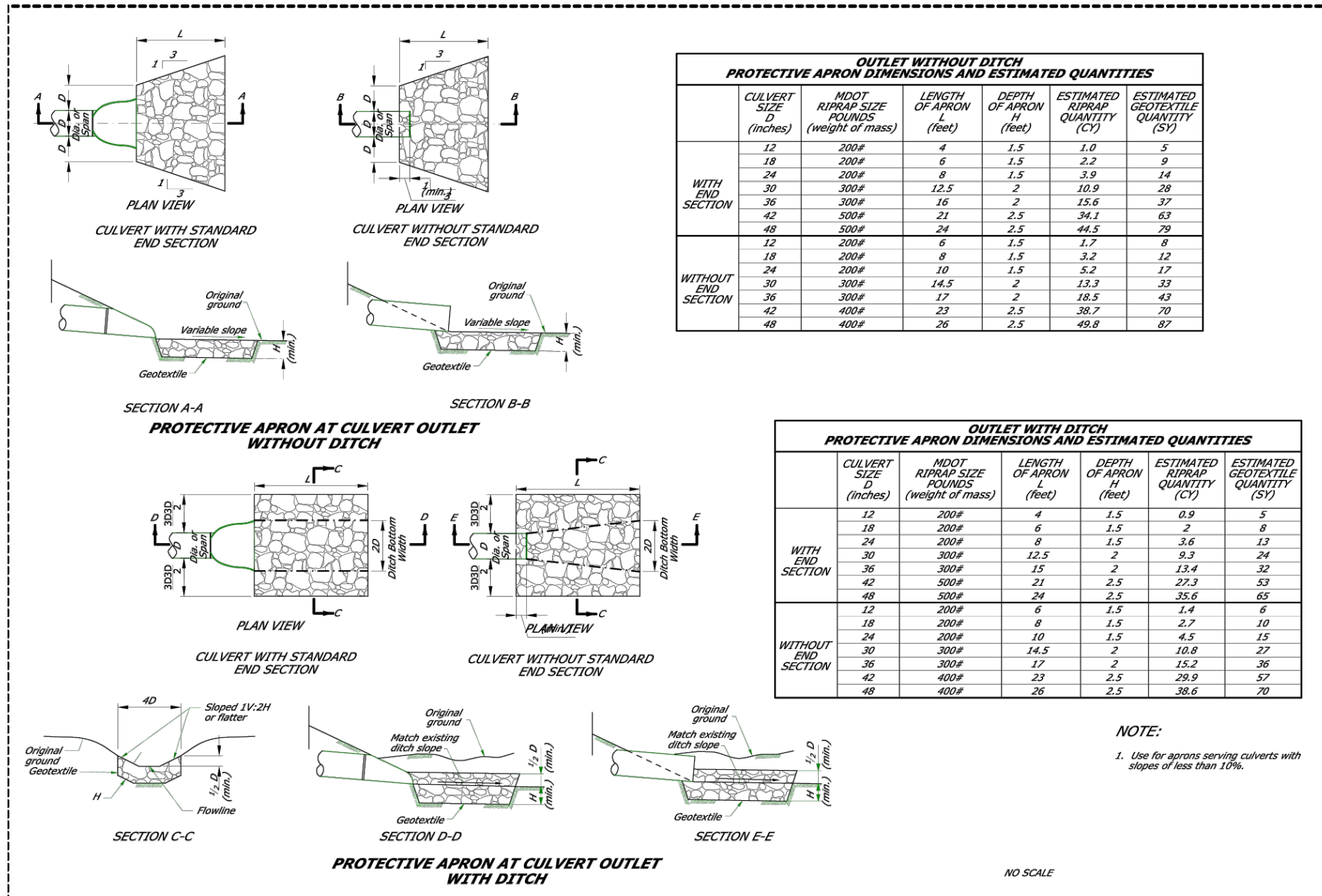
C-801



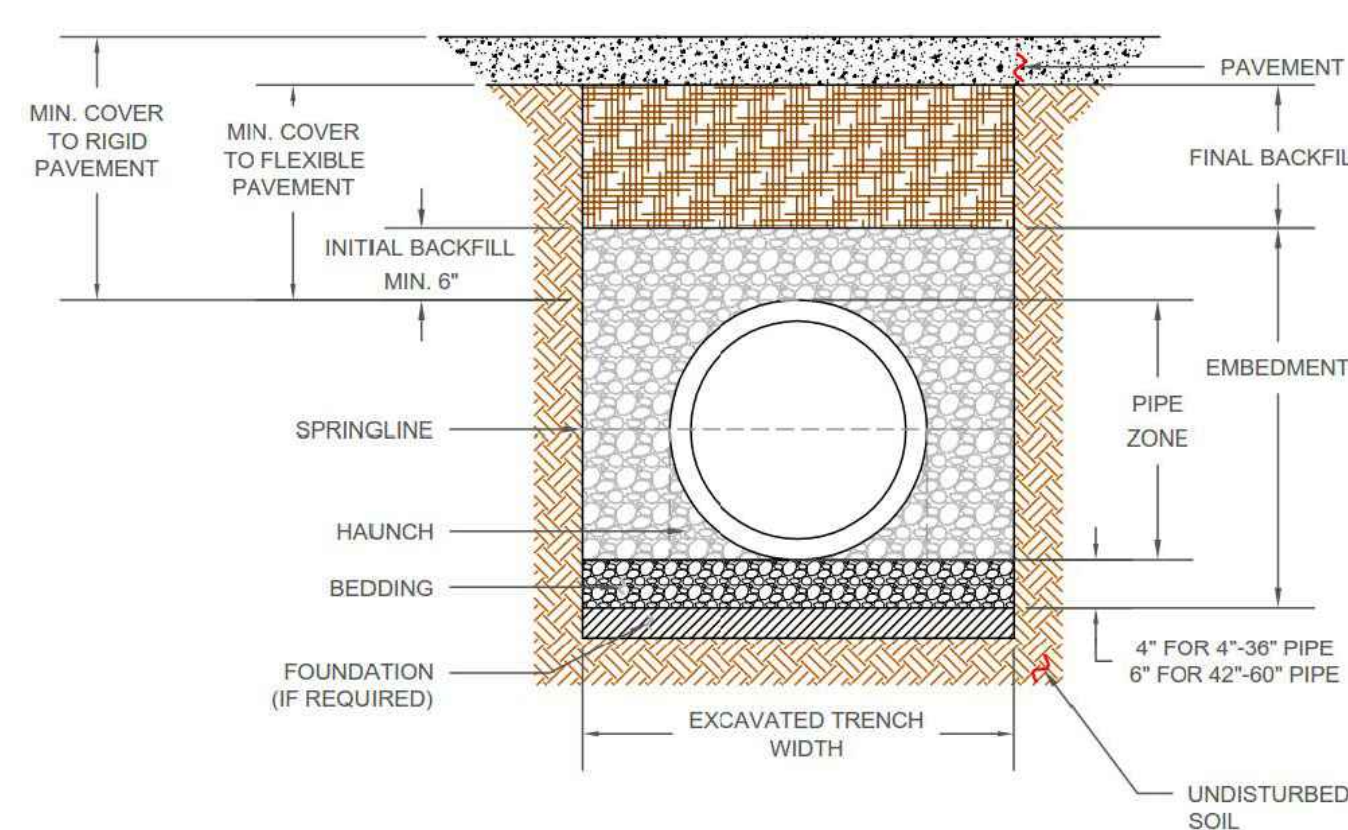
SS-2 INLET DETAIL



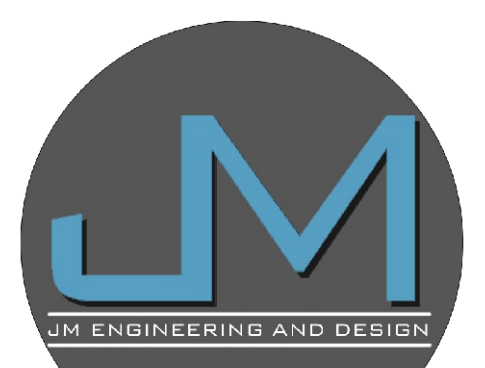
JUNCTION BOX DETAIL



RIP-RAP DETAIL



STORM DRAIN TRENCH REQUIREMENTS

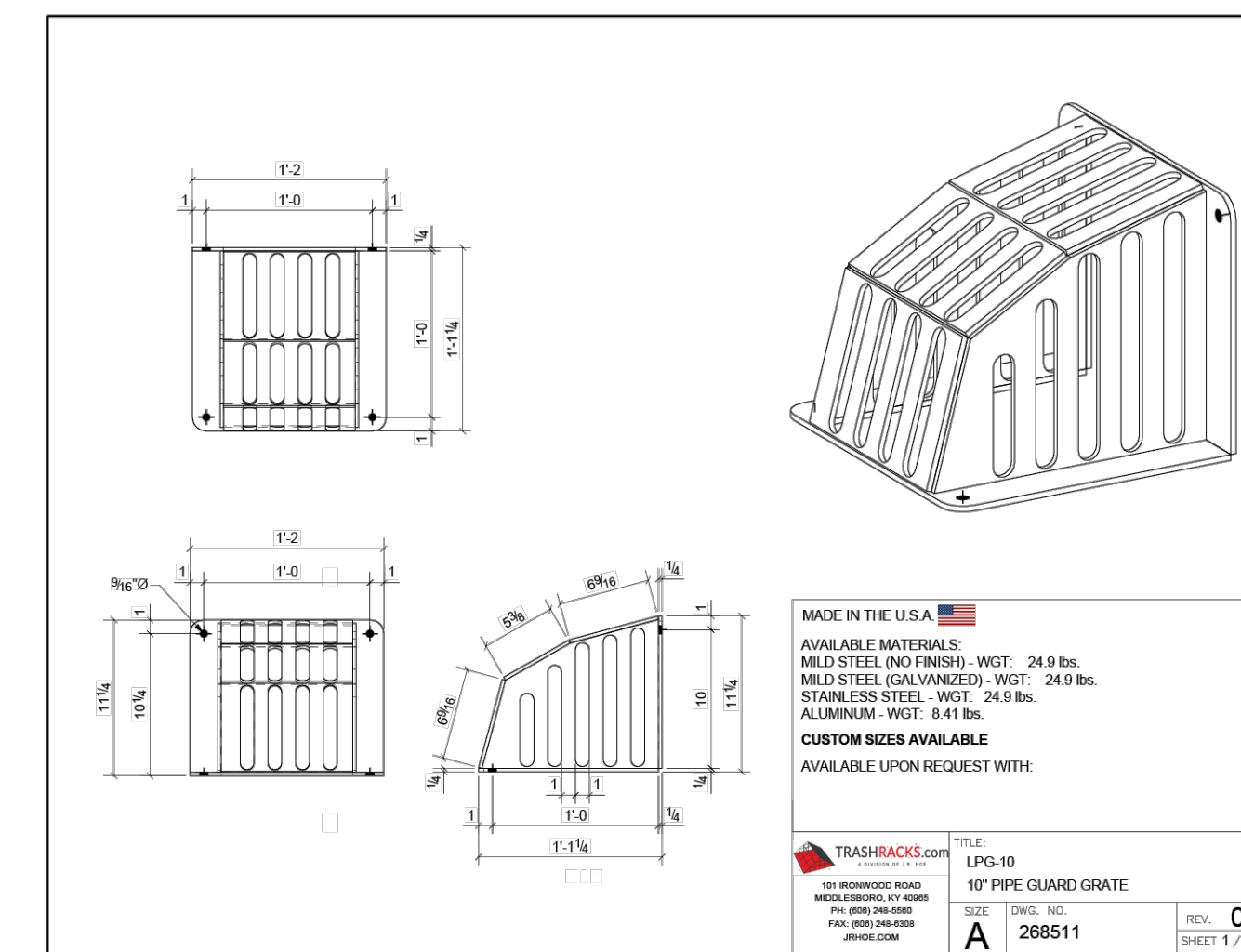
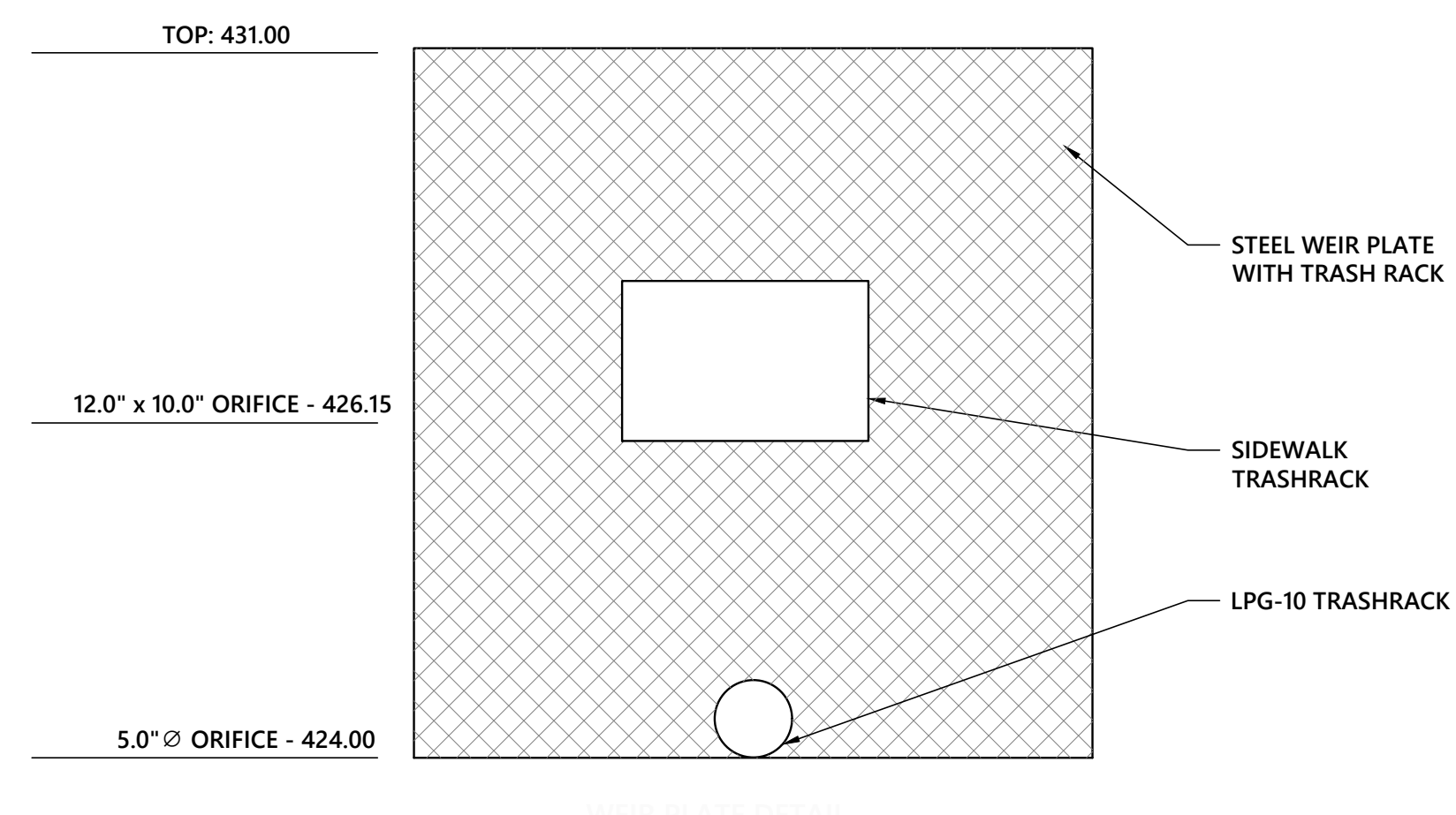
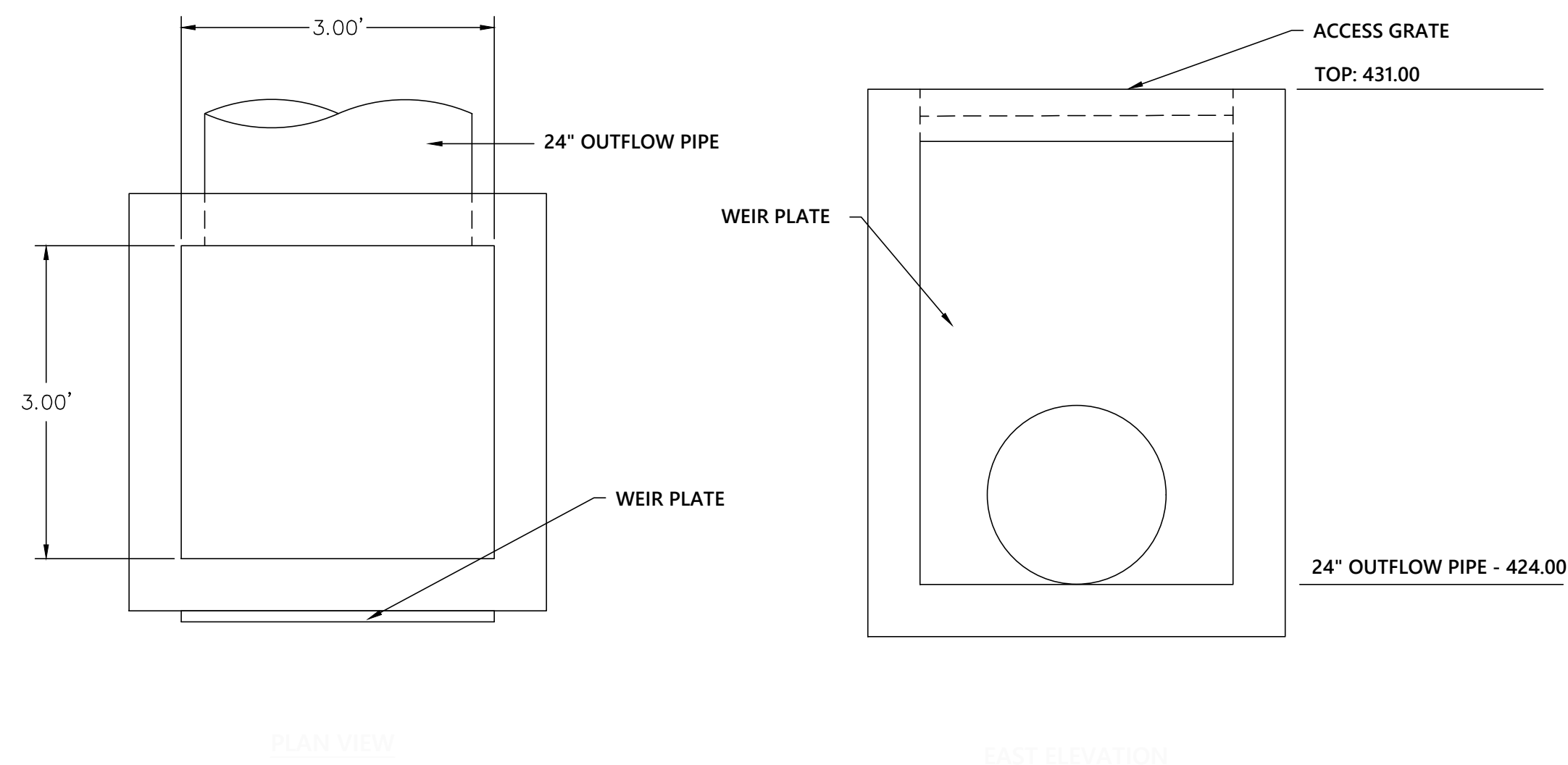


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**STORM DRAINAGE DETAILS**  
**BELLE RIVER PLACE**  
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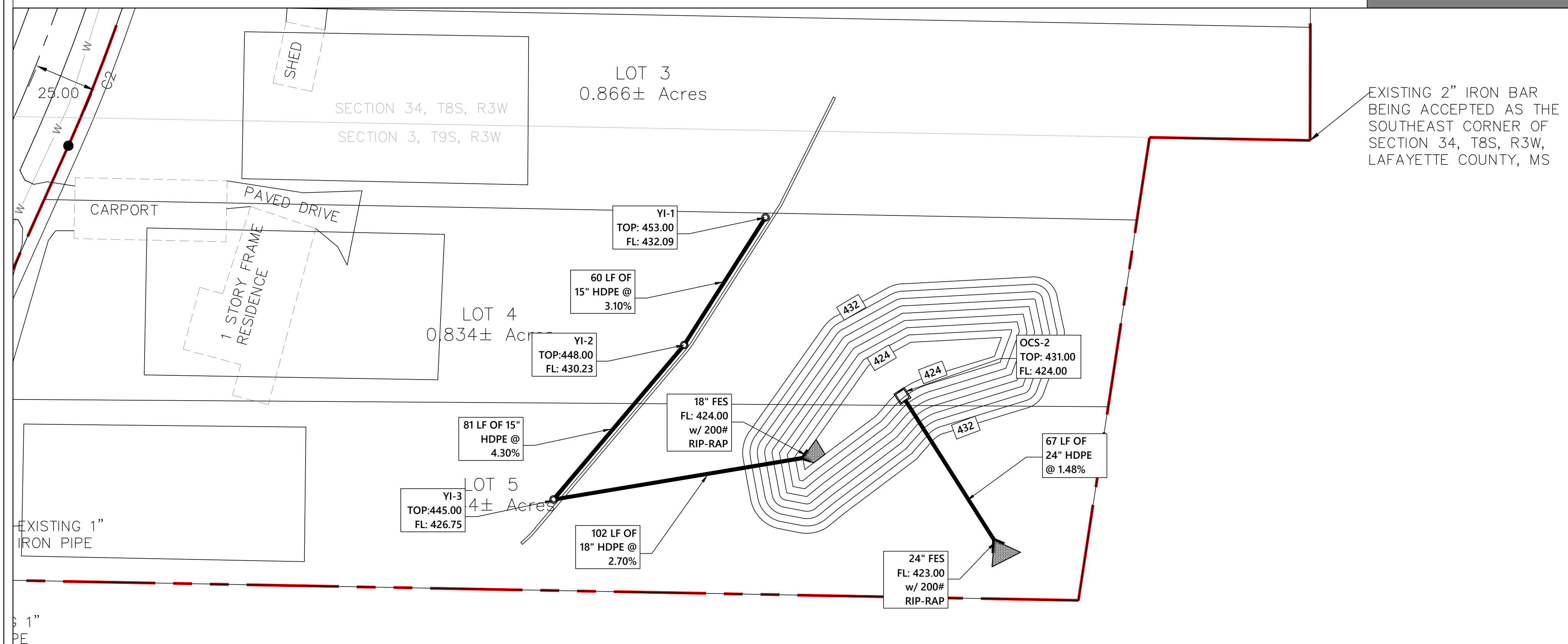
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**C-803**

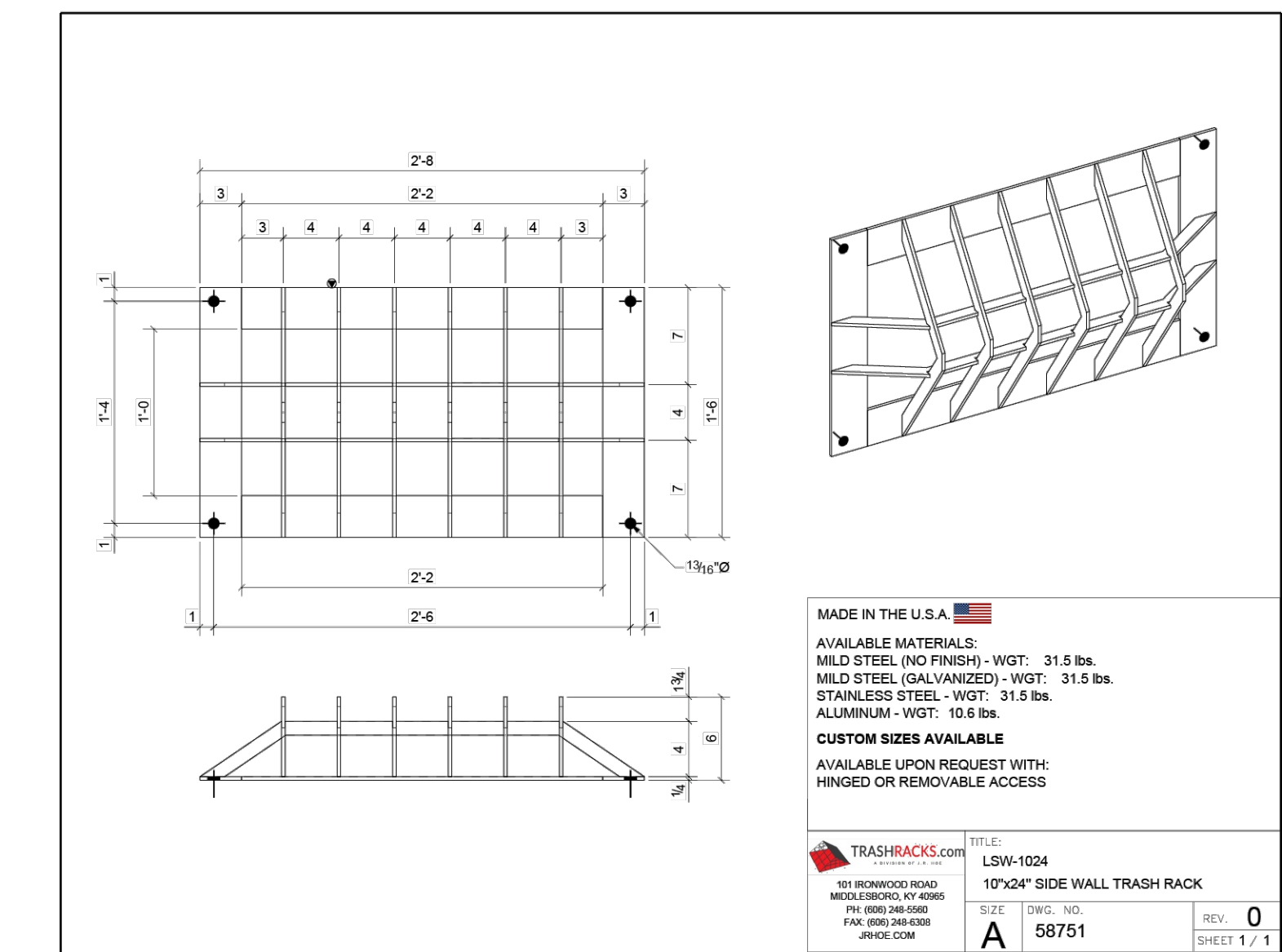


OUTLET CONTROL STRUCTURE (OCS) #1 DETAIL

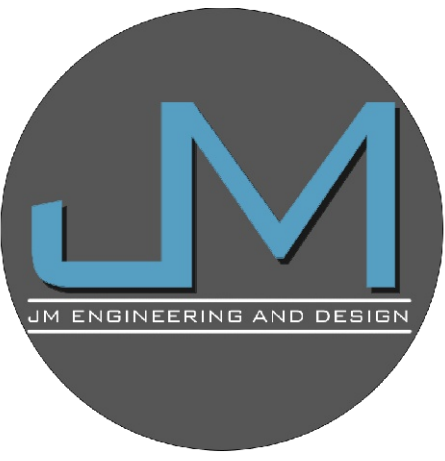
LPG-10 DETAIL



NORTH DETENTION POND DETAIL



LPG SIDE WALL TRASH RACK DETAIL

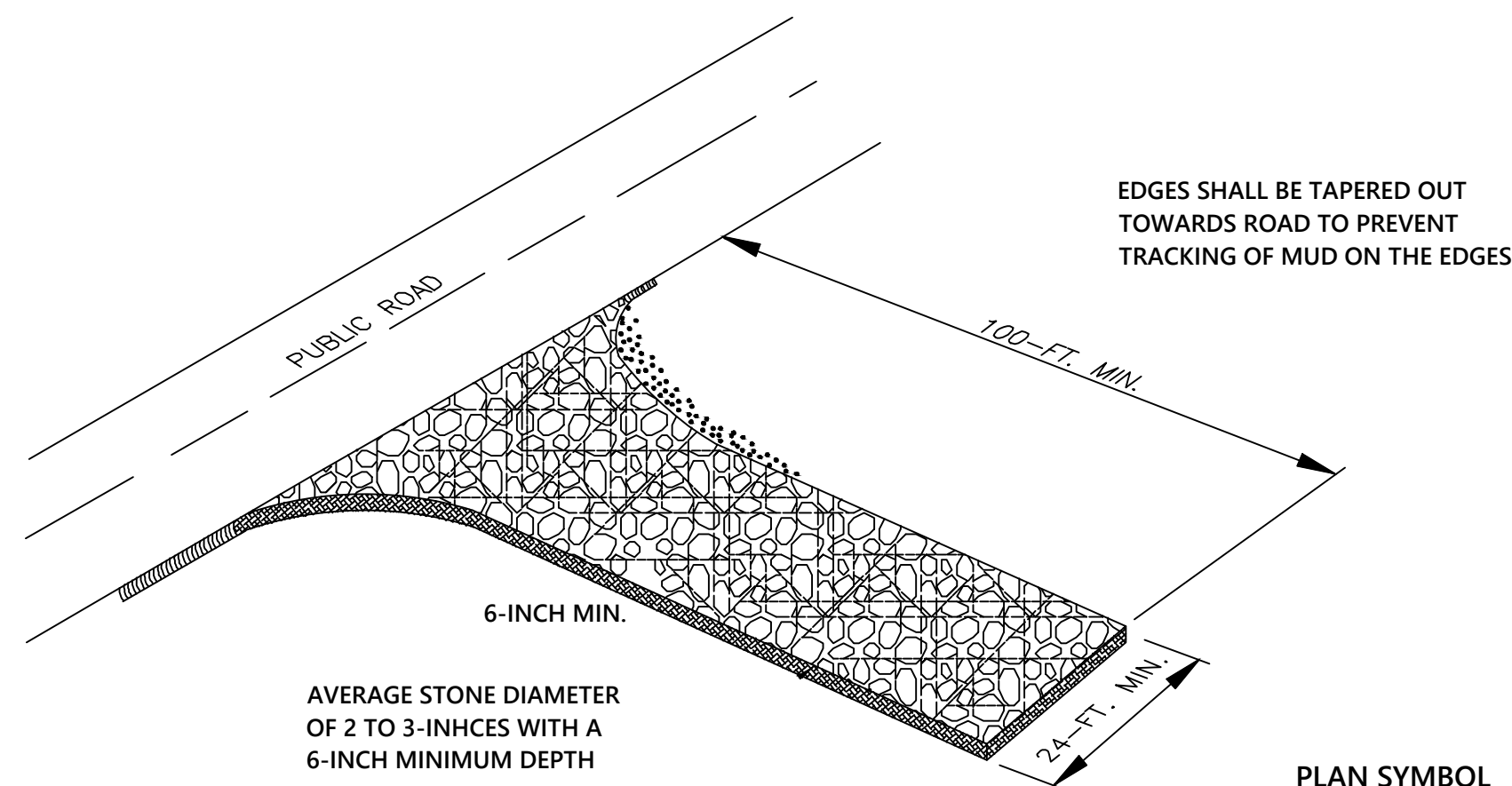


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OUTLET CONTROL STRUCTURE DETAILS  
**BELLE RIVER PLACE**  
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C-803-1



EDGES SHALL BE TAPERED OUT TOWARDS ROAD TO PREVENT TRACKING OF MUD ON THE EDGES

AVERAGE STONE DIAMETER OF 2 TO 3-INCHES WITH A 6-INCH MINIMUM DEPTH

PLAN SYMBOL

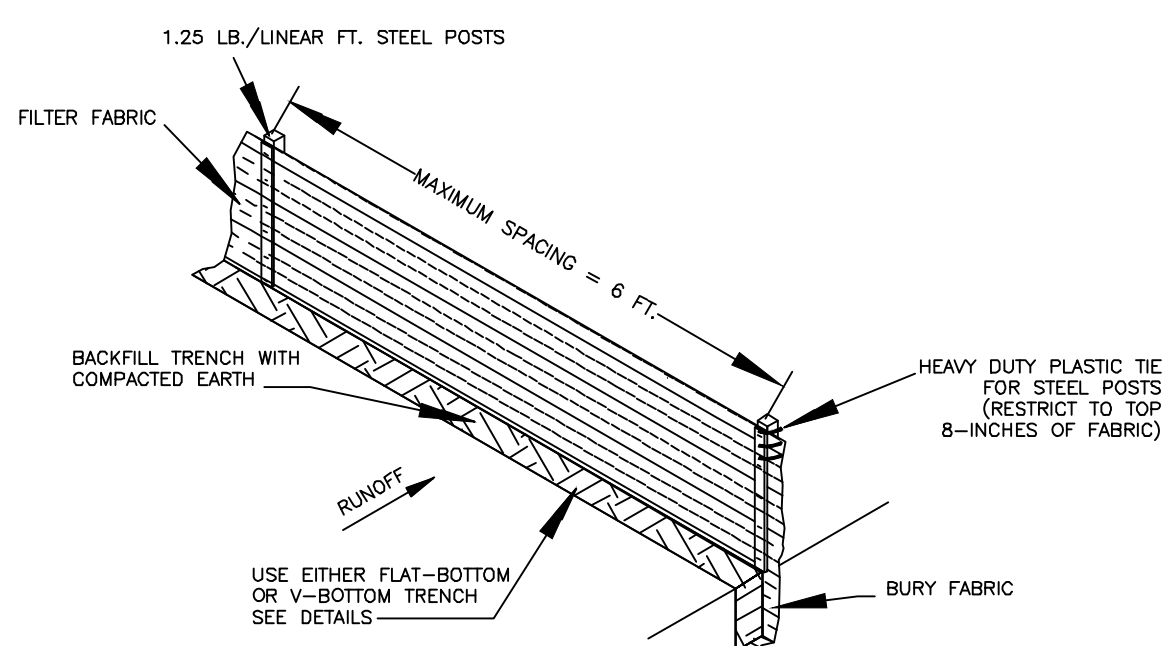
CO

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

UNDERLYING NON-WOVEN GEOTEXTILE FABRIC

CONSTRUCTION ENTRANCE DETAIL

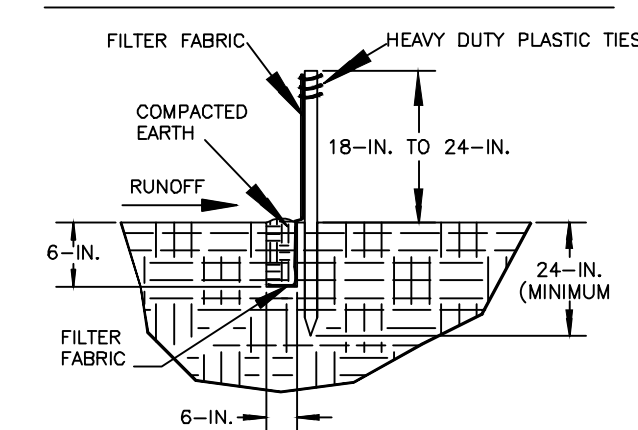
### SILT FENCE INSTALLATION



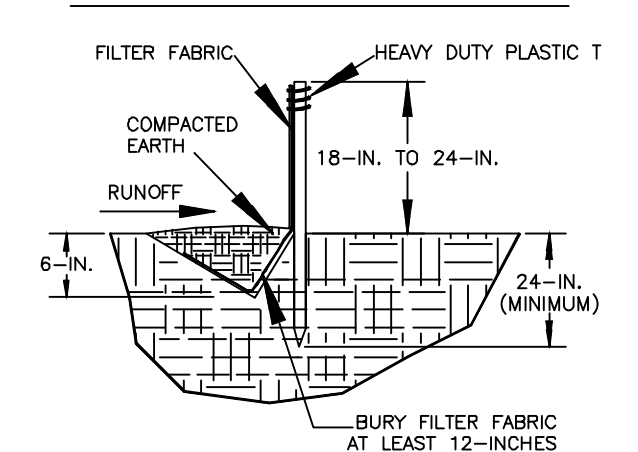
PLAN SYMBOL

SF

### FLAT-BOTTOM TRENCH DETAIL



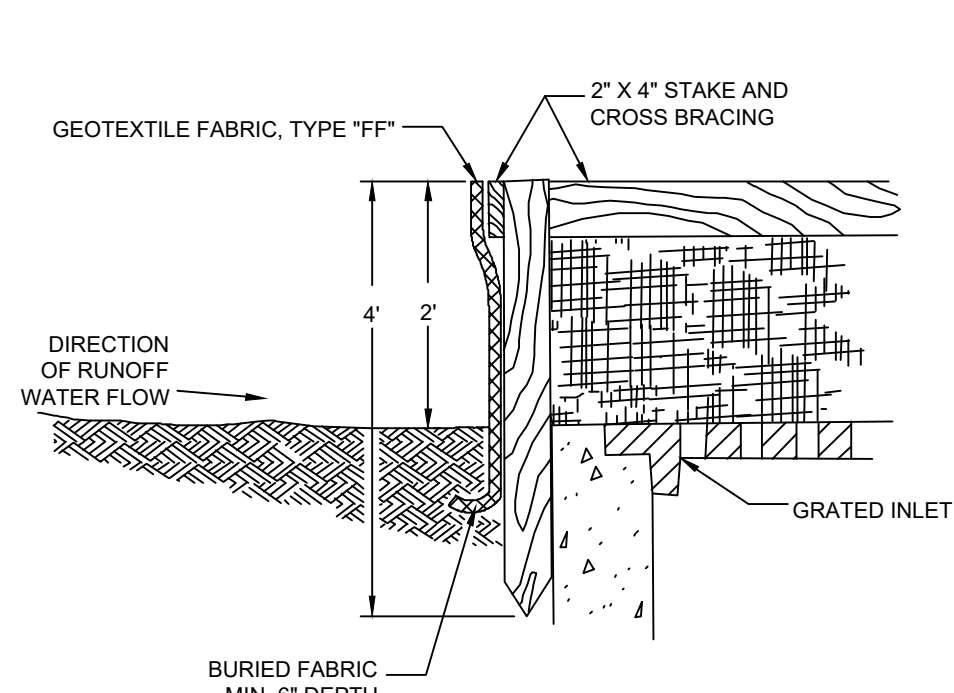
### V-SHAPED TRENCH DETAIL



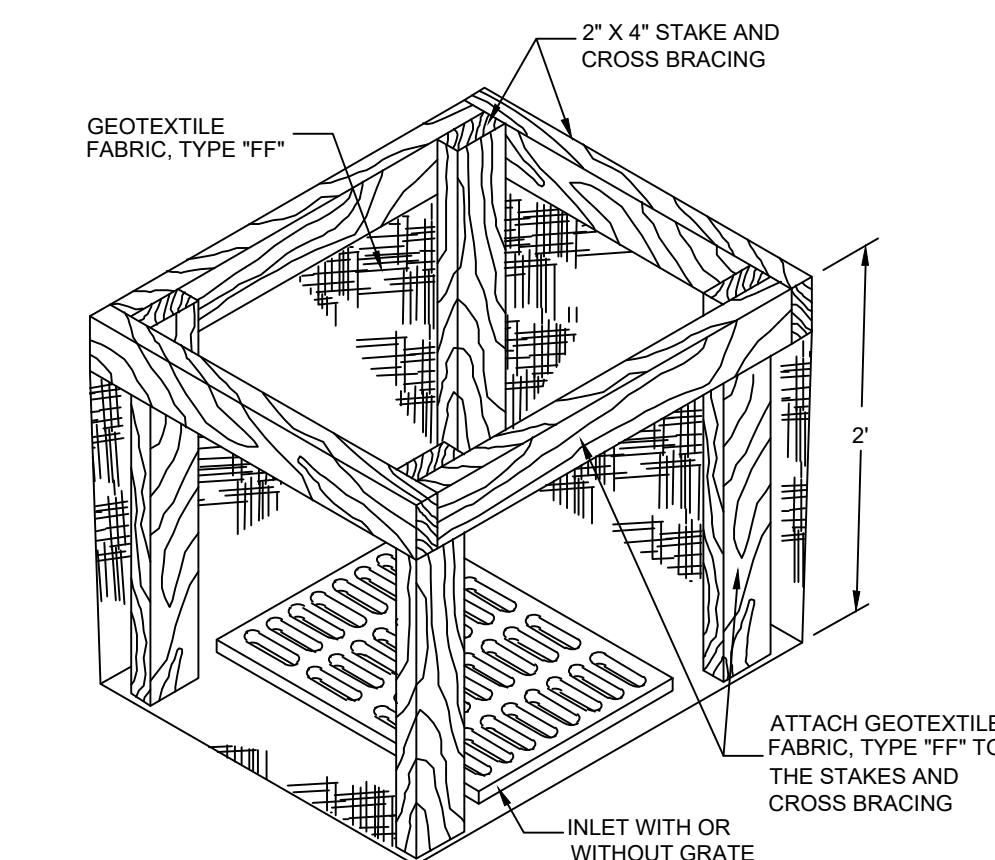
### SILT FENCE - GENERAL NOTES

- DO NOT PLACE SILT FENCE ACROSS CHANNELS OR IN OTHER AREAS SUBJECT TO CONCENTRATED FLOWS. SILT FENCE SHOULD NOT BE USED AS A VELOCITY CONTROL BMP. CONCENTRATED FLOWS ARE ANY FLOWS GREATER THAN 0.5 CFS.
- MAXIMUM SHEET OR OVERLAND FLOW PATH LENGTH TO THE SILT FENCE SHALL BE 100-FEET.
- MAXIMUM SLOPE STEEPNESS (NORMAL PERPENDICULAR TO THE FENCE LINE) SHALL BE 2:1.
- SILT FENCE JOINS, WHEN NECESSARY, SHALL BE COMPLETED BY ONE OF THE FOLLOWING OPTIONS:
  - WRAP EACH FABRIC TOGETHER AT A SUPPORT POST WITH BOTH ENDS FASTENED TO THE POST, WITH A 1-FOOT MINIMUM OVERLAP
  - OVERLAP SILT FENCE BY INSTALLING 3-FEET PASSED THE SUPPORT POST TO WHICH THE NEW SILT FENCE ROLL IS ATTACHED. ATTACH OLD ROLL TO NEW ROLL WITH HEAVY-DUTY PLASTIC TIES; OR,
  - OVERLAP ENTIRE WIDTH OF EACH SILT FENCE ROLL FROM SUPPORT POST TO THE NEXT SUPPORT POST.
- ATTACH FILTER FABRIC TO THE STEEL POSTS USING HEAVY-DUTY PLASTIC TIES THAT ARE EVENLY SPACED WITH THE TOP 8-INCHES OF THE FABRIC.
- INSTALL THE SILT FENCE PERPENDICULAR TO THE DIRECTION OF THE STORMWATER FLOW AND PLACE THE SILT FENCE THE PROPER DISTANCE FROM THE TOP OF THE STEEP SLOPES TO PROVIDE SEDIMENT STORAGE AND ACCESS FOR MAINTENANCE AND CLEANOUT.
- INSTALL SILT FENCE CHECK (TIE-BACKS) EVERY 50-100 FEET, DEPENDENT ON SLOPE, ALONG SILT FENCE THAT IS INSTALLED WITH SLOPE AND WHERE CONCENTRATED FLOWS ARE EXPECTED OR ARE DOCUMENTED ALONG THE PROPOSED/INSTALLED SILT FENCE.

SILT FENCE INSTALLATION DETAIL



### INLET PROTECTION, TYPE "A"



### GENERAL NOTES

INLET PROTECTION DEVICES SHALL BE MAINTAINED OR REPLACED AT THE DIRECTION OF THE ENGINEER.

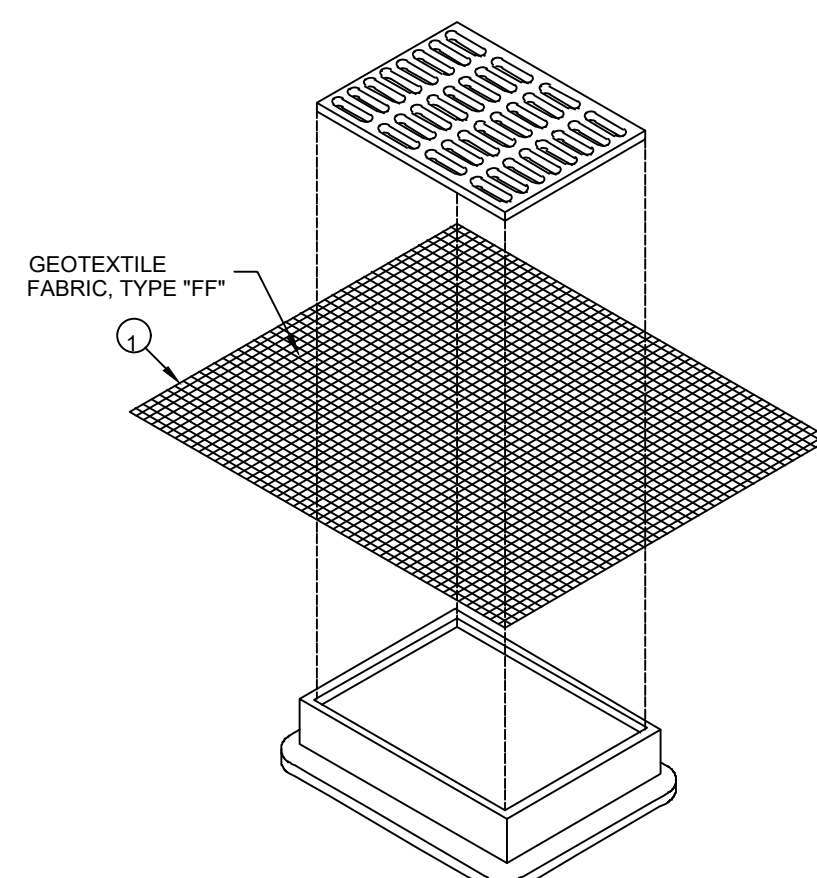
MANUFACTURED ALTERNATIVES APPROVED AND LISTED ON THE DEPARTMENT'S EROSION CONTROL PRODUCT ACCEPTABILITY LIST MAY BE SUBSTITUTED.

WHEN REMOVING OR MAINTAINING INLET PROTECTION, CARE SHALL BE TAKEN SO THAT THE SEDIMENT TRAPPED ON THE GEOTEXTILE FABRIC DOES NOT FALL INTO THE INLET. ANY MATERIAL FALLING INTO THE INLET SHALL BE REMOVED IMMEDIATELY.

1 FINISHED SIZE, INCLUDING FLAP POCKETS WHERE REQUIRED, SHALL EXTEND A MINIMUM OF 10" AROUND THE PERIMETER TO FACILITATE MAINTENANCE OR REMOVAL.

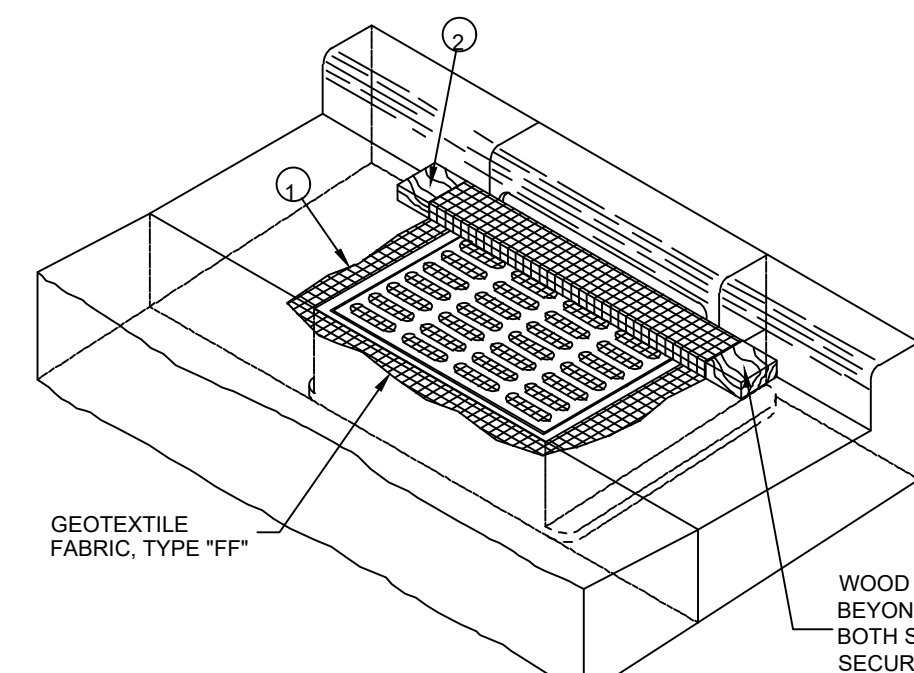
2 FOR INLET PROTECTION, TYPE C (WITH CURB BOX), AN ADDITIONAL 18" OF FABRIC IS WRAPPED AROUND THE WOOD AND SECURED WITH STAPLES. THE WOOD SHALL NOT BLOCK THE ENTIRE HEIGHT OF THE CURB BOX OPENING.

3 FLAP POCKETS SHALL BE LARGE ENOUGH TO ACCEPT WOOD 2x4.



### INLET PROTECTION, TYPE "B" (WITHOUT CURB BOX)

(CAN BE INSTALLED IN ANY INLET WITHOUT A CURB BOX)



### INLET PROTECTION, TYPE "C" (WITH CURB BOX)

### INSTALLATION NOTES

#### TYPES B & C

TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF THE GRATE.

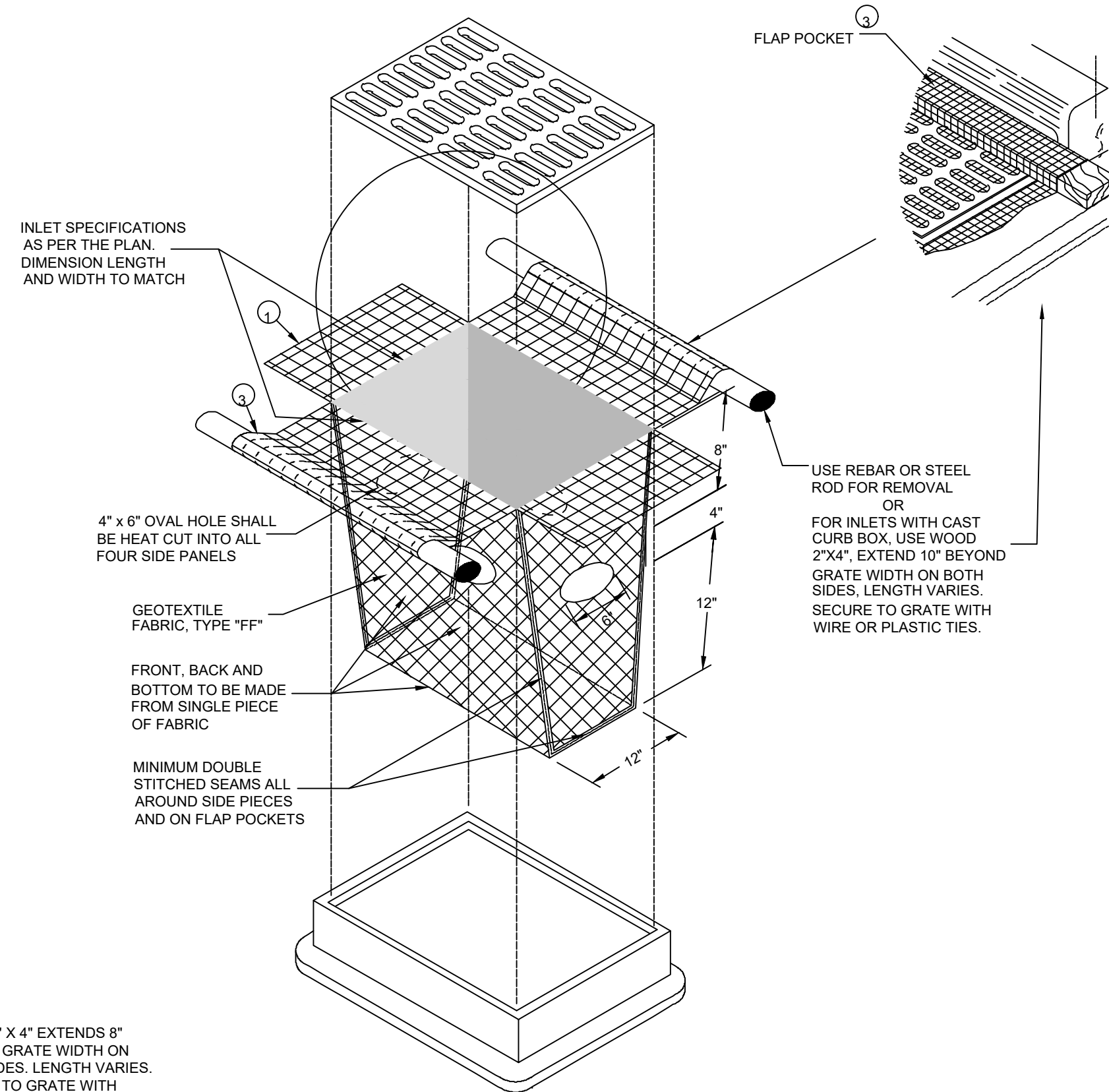
THE CONTRACTOR SHALL DEMONSTRATE A METHOD OF MAINTENANCE, USING A SEWN FLAP, HAND HOLDS OR OTHER METHOD TO PREVENT ACCUMULATED SEDIMENT FROM ENTERING THE INLET.

#### TYPE D

TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF THE GRATE.

DO NOT INSTALL INLET PROTECTION TYPE D IN INLETS SHALLOWER THAN 30", MEASURED FROM THE BOTTOM OF THE INLET TO THE TOP OF THE GRATE.

THE INSTALLED BAG SHALL HAVE A MINIMUM SIDE CLEARANCE, BETWEEN THE INLET WALLS AND THE BAG, MEASURED AT THE BOTTOM OF THE OVERFLOW HOLES, OF 3". WHERE NECESSARY THE CONTRACTOR SHALL CINCH THE BAG, USING PLASTIC ZIP TIES, TO ACHIEVE THE 3" CLEARANCE. THE TIES SHALL BE PLACED AT A MAXIMUM OF 4" FROM THE BOTTOM OF THE BAG.

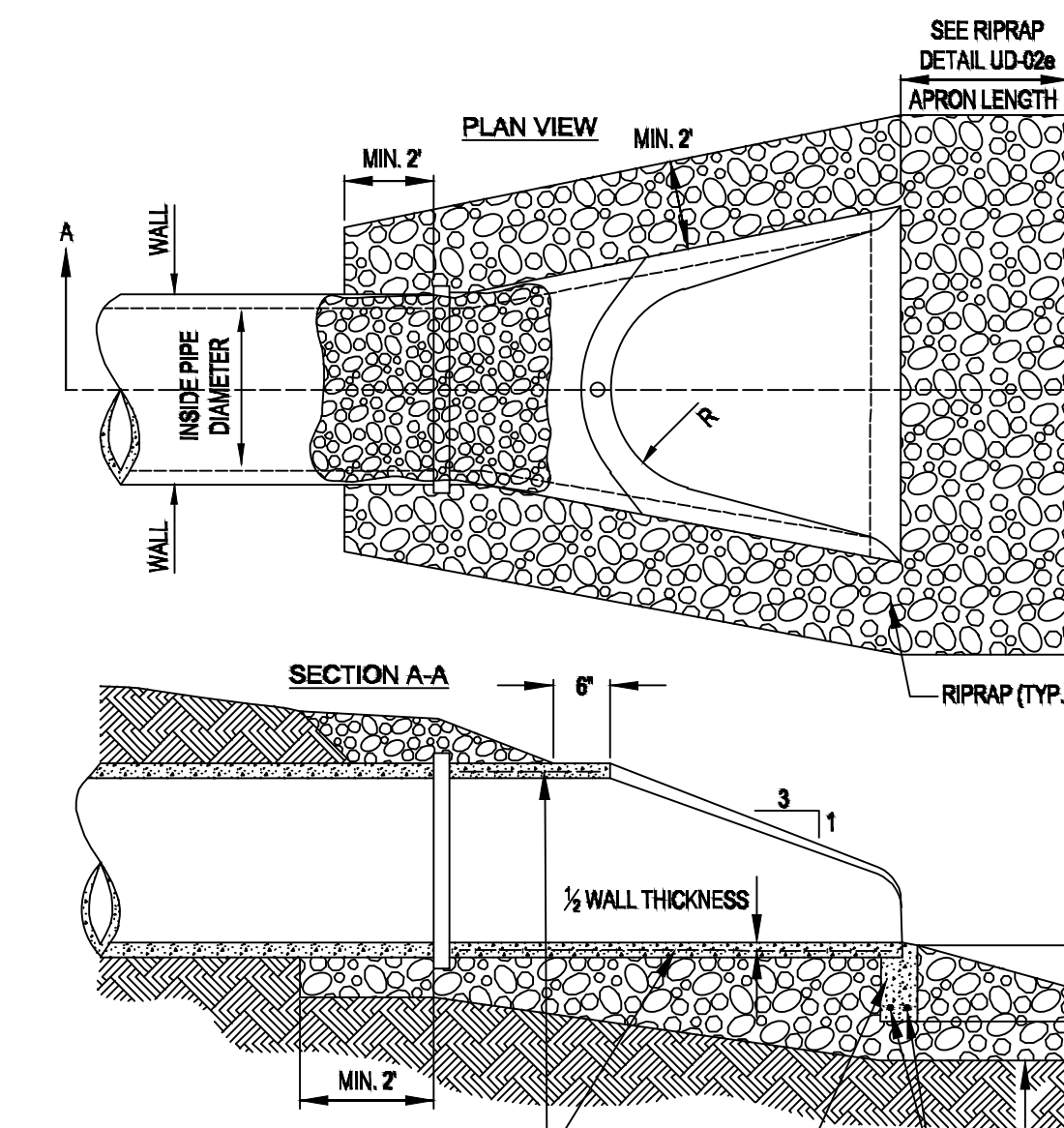


### INLET PROTECTION, TYPE "D" (CAN BE INSTALLED IN ANY INLET WITH OR WITHOUT A CURB BOX AS PER NOTE (2))

PLAN SYMBOL

IP

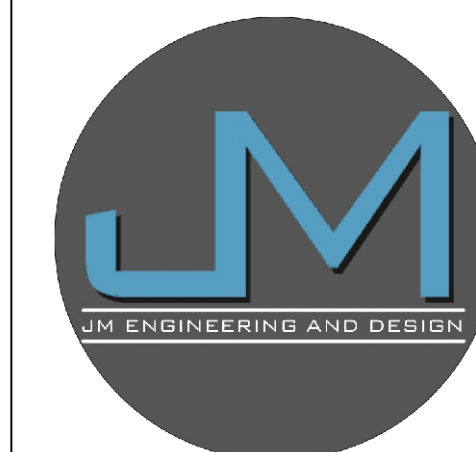
INLET PROTECTION DETAIL



### RIP RAP - GENERAL NOTES

- CONCRETE FLARED END SECTIONS SHOULD BE CONSIDERED FOR USE WITH CONCRETE PIPE CULVERTS HAVING SKEWS NO GREATER THAN 15 DEGREES.
- PRECAST CONCRETE FLARED END SECTIONS SHALL CONFORM TO THE APPLICABLE REQUIREMENTS OF AASHTO M-170 CLASS 111, WALL B REINFORCED CONCRETE PIPE.
- PRECAST CONCRETE FLARED END SECTION FOR PIPE DIAMETER REQUIRED SHALL BE AS INDICATED ON DETAIL PLAN FOR EACH INDIVIDUAL INSTALLATION.
- THE END BLOCK SHALL BE PLACED PRIOR TO THE INSTALLATION OF THE FLARED END SECTION. THE END BLOCK SHALL BE BACKFILLED IN ACCORDANCE WITH ART. 502.10 OF THE STANDARD SPECIFICATIONS. THIS COST SHALL BE INCIDENTAL TO EACH END SECTION.
- RIPRAP SHALL CONFORM TO SECT. 281 OF THE STANDARD SPECIFICATIONS.
- INSTALL FILTER FABRIC UNDER ALL RIPRAP AND BEDDING. FILTER FABRIC SHALL CONFORM TO SECT. 282 OF THE STANDARD SPECIFICATIONS.

RIP RAP DETAIL



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EROSION CONTROL DETAILS

BELLE RIVER PLACE

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C-804