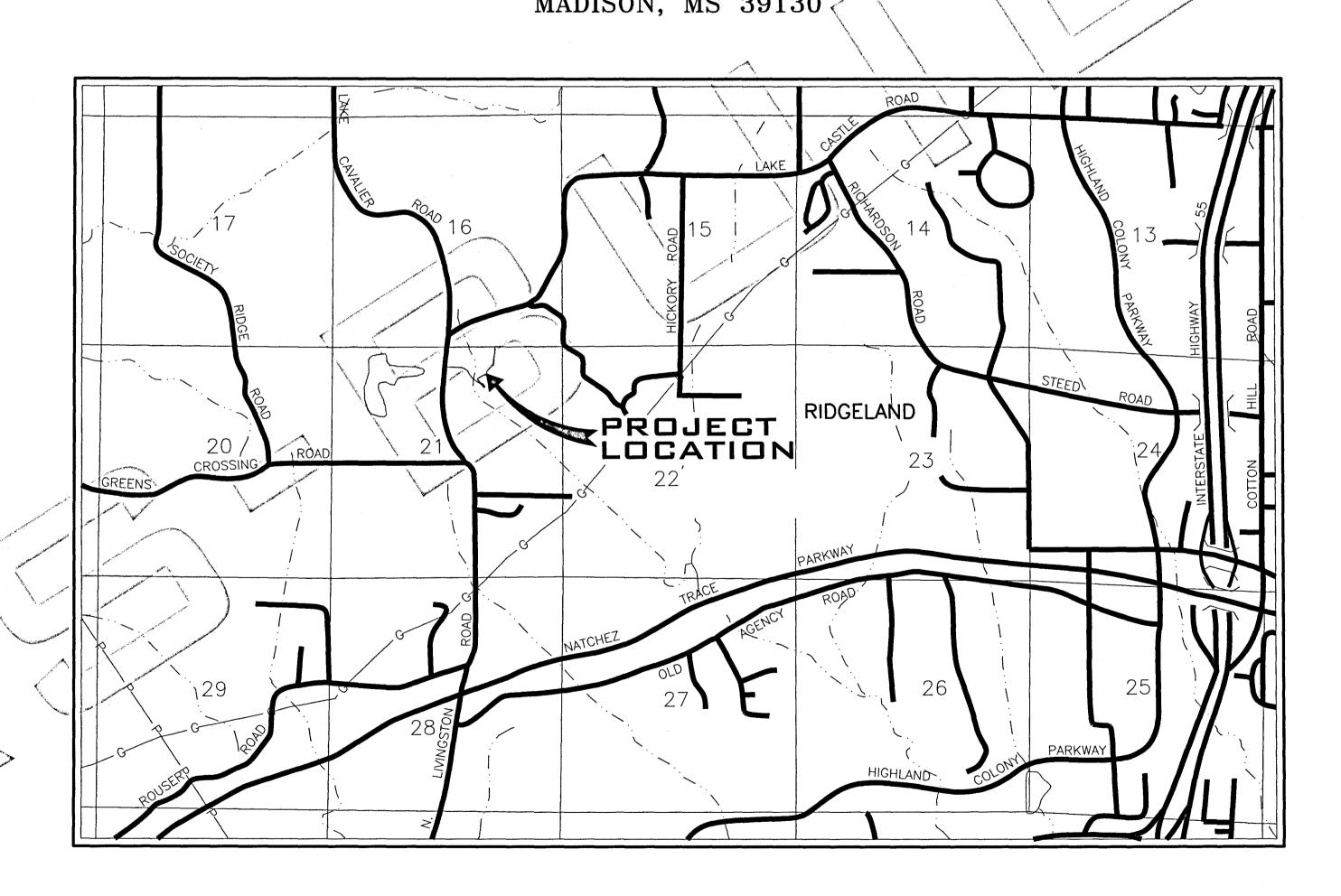
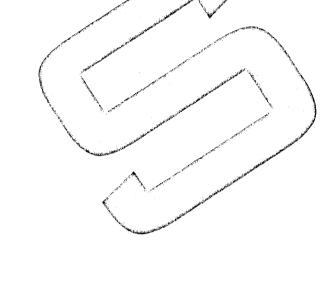
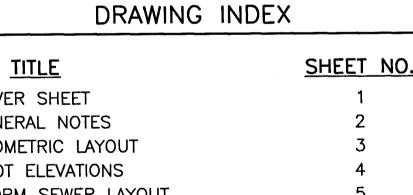
CONSTRUCTION PLANS FOR BRIDGEWATER 11D

N 1/2 OF SECTION 21, T7N-R1E, MADISON COUNTY, MISSISSIPPI

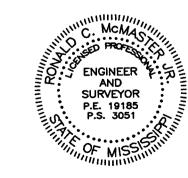
A DEVELOPMENT AUGUSTA 185, LLC P.O. BOX 2147 MADISON, MS 39130







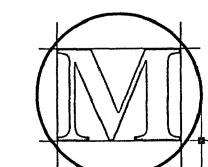
COVER SHEET GENERAL NOTES GEOMETRIC LAYOUT SPOT ELEVATIONS STORM SEWER LAYOUT DETENTION LAYOUT WATER AND SEWER LAYOUT EROSION CONTROL PLAN & PROFILE (HERON'S CIRCLE) PLAN & PROFILE (HERON'S COVE) MISCELLANEOUS DETAILS MISCELLANEOUS DETAILS SEWER DETAILS WATER DETAILS



PROJECT LOCATION

The engineer preparing these plans will not be responsible for, or liable for, unauthorized changes to or uses of these plans. All changes to the plans must be in writing and must be approved by the preparer of these plans.

VICINITY MAP



M°MASTER & ASSOCIATES, INC. CIVIL ENGINEERS & LAND SURVEYORS | 601.605.1090

| 212 WATERFORD SQUARE SUITE 300 MADISON, MS 39110

DEMOLITION NOTES

DEMOLITION AND REMOVAL OPERATIONS SHALL COMMENCE ONLY AFTER ALL EROSION AND SEDIMENTATION CONTROL MEASURES ARE IN PLACE AND FUNCTIONAL 2. PROVIDE NEAT AND STRAIGHT SAWCUTS OF EXISTING PAVEMENT ALONG ALL LIMITS OF

PAVEMENT DEMOLITION. 3. ALL DEMOLISHED MATERIALS BECOME THE PROPERTY OF THE CONTRACTOR UNLESS

OTHERWISE DESIGNATED. DISPOSE OF OFF THE OWNER'S PROPERTY IN A LEGAL MANNER. 4. ALL PAVEMENT, BASE COURSE, SIDEWALKS, CURBS, BUILDINGS, FOUNDATIONS, ETC., IN THE AREA TO BE REMOVED SHALL BE REMOVED TO FULL DEPTH. EXISTING BASE COURSE MATERIALS MAY BE WORKED INTO THE NEW PAVEMENT OR BUILDING SUBGRADE PROVIDED THAT THE GRADATION, CONSISTENCY, COMPACTION, SUBGRADE CONDITION, ETC., ARE IN ACCORDANCE WITH THE SPECIFICATIONS. BASE COURSE MATERIALS SHALL NOT BE WORKED INTO THE SUBGRADE OF AREAS TO RECEIVE PLANTING.

5. CONTRACTOR SHALL OBTAIN ALL PERMITS REQUIRED FOR EXECUTION OF THE WORK. 6. THE CONTRACTOR SHALL USE WATER SPRINKLING AND OTHER SUITABLE METHODS AS NECESSARY TO CONTROL DUST AND DIRT CAUSED BY THE DEMOLITION WORK. 7. ALL ITEMS OF CONSTRUCTION REMAINING AND NOT SPECIFICALLY MENTIONED THAT INTERFERE WITH THE NEW CONSTRUCTION SHALL BE IMMEDIATELY BROUGHT TO THE

ATTENTION OF THE ARCHITECT/ENGINEER. 8. CONTRACTOR SHALL PROVIDE PROTECTION TO ALL STREETS, FENCES, TREES, UTILITIES AND STRUCTURES THAT ARE TO REMAIN. CONTRACTOR-CAUSED DAMAGE SHALL BE REPAIRED TO MATCH AT NO ADDITIONAL COST TO THE OWNER.

9. CAVITIES LEFT BY STRUCTURE REMOVAL SHALL BE BACKFILLED WITH SATISFACTORY MATERIAL AND COMPACTED 98% OF MAXIMUM DENSITY PER ASTM D698 OR PER GEOTECHNICAL RECOMMENDATIONS IN THE DOCUMENTS.

10. CONTRACTOR SHALL LOCATE AND MARK ALL EXISTING UTILITIES PRIOR TO COMMENCING WORK. COORDINATE WITH LOCAL UTILITY COMPANIES PRIOR TO UTILITY DISCONNECT. 11. NOTIFY LOCAL UTILITY LOCATOR SERVICE OF INTENDED DEMOLITION OPERATIONS. SEE GENERAL UTILITY NOTE #4.

12. EXISTING INFORMATION/TOPOGRAPHIC SURVEY WAS PREPARED BY McMASTER & ASSOCIATES, INC. 13. PAVEMENT MARKINGS TO BE REMOVED SHALL BE PAINTED OVER TO MATCH PAVEMENT OR REMOVED WITH WIRE BRUSHINGS.

14. EXCEPT AS SHOWN, NO TREES SHALL BE REMOVED AND/OR VEGETATION DISTURBED WITHOUT APPROVAL OF THE ARCHITECT/ENGINEER.

15. TREE PROTECTION SHALL CONSIST OF THE FOLLOWING STEPS: a. CONTRACTOR SHALL HIRE A LICENSED LANSCAPE CONTRACTOR TO OVERSEE TREE

b. PRIOR TO ANY GRADING OPERATIONS, LOCATE TREES TO BE PROTECTED AND NEATLY

CUT ROOTS TO A DEPTH OF 30" AT THE DIMENSIONED LIMITS SHOWN USING A UTILITY TRENCHING MACHINE

c. TREAT EXPOSED ROOTS WITH A HORTICULTURAL TREE PRUNING PROTECTION

d. PRUNE TREE LIMBS BY THE SAME PROPORTIONAL PERCENTAGE AS TREE ROOTS REMOVED (I.E., 25% OF ROOTS REMOVED SHALL RESULT IN 25% OF TREE LIMBS

e. INSTALL A CONSTRUCTION FENCE TO THE LIMITS SHOWN AT LEAST 4' IN HEIGHT.

f. BEGIN CLEARING AND GRADING OPERATIONS.

GENERAL UTILITY NOTES

 WATER AND SEWER CONSTRUCTION SHALL BE PERFORMED IN ACCORDANCE WITH ALL LOCAL CODES AND SPECIFICATIONS.

2. THE CONTRACTOR SHALL PAY ALL FEES AND OBTAIN ALL PERMITS. 3. ALL EXISTING UNDERGROUND UTILITY LOCATIONS ARE APPROXIMATE AND ARE BASED ON TOPOGRAPHIC SURVEYS AND RECORD DRAWINGS FROM THE FACILITY. ADDITIONAL UTILITIES MAY BE PRESENT. SHOULD UNCHARTED UTILITIES BE ENCOUNTERED DURING EXCAVATION OPERATIONS, THE CONTRACTOR SHALL NOTIFY THE ARCHITECT/ENGINEER AS SOON AS POSSIBLE FOR INSTRUCTIONS.

4. THE CONTRACTOR SHALL NOTIFY THE MISSISSIPPI ONE-CALL SYSTEM, INC. (MOCS) AT 811 AND ANY NON-MOCS MEMBER UTILITY INDIVIDUALLY. AT LEAST 3 WORKING DAYS PRIOR TO ANY EXCAVATION AND/OR DEMOLITION.

5. MAINTAIN 10-FOOT HORIZONTAL AND 18-INCH VERTICAL SEPARATION BETWEEN SANITARY SEWER AND WATER SUPPLY LINES. 6. CONTRACTOR SHALL VERIFY THE EXACT LOCATIONS OF ALL EXISTING UTILITIES INCLUDING

IRRIGATION. TAKE CARE TO PROTECT UTILITIES THAT ARE TO REMAIN. REPAIR DAMAGE ACCORDING TO LOCAL STANDARDS AND AT THE CONTRACTOR'S EXPENSE. COORDINATE ALL CONSTRUCTION WITH THE APPROPRIATE UTILITY COMPANY. RELOCATE IRRIGATION LINES AS NECESSARY FOR CONSTRUCTION.

7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE SEQUENCING OF CONSTRUCTION FOR ALL UTILITY LINES SO THAT WATER LINES AND UNDERGROUND ELECTRIC DO NOT CONFLICT WITH SANITARY SEWERS OR STORM SEWERS. INSTALL UTILITIES PRIOR TO FINAL PAVEMENT CONSTRUCTION.

8. BACKFILL UTILITY TRENCHES UNDER PAVEMENT AREAS AND IN LAWN AREAS WITH SATISFACTORY FILL MATERIAL COMPACTED TO AT LEAST 98% OF MAXIMUM PER ASTM D698. 9. ADJUST ALL EXISTING CASTINGS TO MATCH PROPOSED FINISH GRADE.

10. EXCESS MATERIAL SHALL BE DISPOSED OF BY THE CONTRACTOR OFF OF THE OWNER'S PROPERTY AT NO ADDITIONAL COST IN A LEGAL MANNER.

11. ALL SANITARY SEWER PIPE SHALL BE CLASS SDR 26 PVC UNLESS NOTED OTHERWISE. 12. FIRE HYDRANT AND WATER MAINS TO BE INSTALLED AND UNDER PRESSURE BEFORE ANY COMBUSTIBLE CONSTRUCTION IS STARTED.

13. NEOPRENE COUPLINGS WITH STAINLESS STEEL BAND AND SHEAR RINGS ARE REQUIRED FOR JOINING DIFFERENT TYPES OF SANITARY SEWER PIPES. 14. THE CONTRACTOR SHALL EXCAVATE FOR NEW SEWER ELEVATIONS SHOWN ON THE PLANS. THE CONTRACTOR SHALL TAKE EVERY NECESSARY PRECAUTION TO PROTECT EXISTING SEWER DURING CONSTRUCTION OPERATIONS. ALL EXCAVATION, SHORING AND BRACING SHALL BE

THE RESPONSIBILITY OF THE CONTRACTOR. 15. THE CONTRACTOR SHALL EXPLORE AHEAD 200 FEET SO ADJUSTMENTS CAN BE MADE IN THE ALIGNMENT OF THE PIPE IN CASE OF CONFLICTS WITH EXISTING STRUCTURES, UTILITIES AND

16. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PREVENTING PIPE FROM FLOATING. IF PIPE FLOATS DURING CONSTRUCTION, THE CONTRACTOR SHALL RELAY PIPE TO GRADE AT HIS EXPENSE.

17. THE CONTRACTOR SHALL FIELD VERIFY LOCATION AND INVERT OF SANITARY SEWER FOR CONNECTION TO EXISTING OR PROPOSED SEWER SYSTEM. 18. BEDDING REQUIREMENTS SPECIFIED HEREIN ARE TO BE CONSIDERED AS MINIMUMS FOR RELATIVELY DRY, STABLE EARTH CONDITIONS, ADDITIONAL BEDDING SHALL BE REQUIRED IN WET OR WEAK AREAS. THE CONTRACTOR SHALL HAVE RESPONSIBILTY TO PROVIDE SUCH ADDITIONAL BEDDING AS MAY BE REQUIRED TO PROPERLY CONSTRUCT THE WORK. 19. ALL FORCE MAIN SHALL BE INSTALLED WITH #12 LOCATE WIRE (SOLID COPPER)

20. ALL WATER MAIN SHALL BE C-900 P.V.C. AND INSTALLED WITH #12 LOCATE WIRE (SOLID COPPER). TRACER WIRE TERMINALS SHALL BE PROVIDED AT EACH FIRE HYDRANT AND WATER VALVE. 21. ALL WATER SERVICE LINE SHALL BE CL. 200 SERVICE TUBING & INSTALLED WITH #12 LOCATE WIRE (SOLID COPPER). TRACER WIRE TERMINALS SHALL BE PROVIDED AT EACH WATER METER.

GRADING, DRAINAGE AND EROSION CONTROL NOTES

1. NO TREES SHALL BE REMOVED NOR VEGETATION DISTURBED EXCEPT AS NECESSARY FOR GRADING PURPOSES AND ONLY AS APPROVED BY THE ARCHITECT/ENGINEER. 2. IT IS THE OWNER'S INTENT TO PRESERVE ALL THE EXISTING SITE VEGETATION OUTSIDE THE LIMITS OF GRADING.

3. ALL TREES, INCLUDING YOUNG SAPLINGS, PINES, AND UNDERSTORY SPECIES ARE TO BE PROTECTED AND SAVED IF THEY FALL OUTSIDE THE LIMITS OF GRADING, EVEN IF THEY ARE NOT LOCATED OR IDENTIFIED ON THE SURVEY. 4. SELECTIVE CLEARING BEYOND THE LIMITS OF GRADING SHALL CONSIST OF REMOVAL OF

HONEYSUCKLE, HERBACEOUS SHRUBS, POISON IVY, AND NOXIOUS WEEDS. GRASS SHALL BE SOWN ON THE WHOLE SITE AFTER PREPARATION, AS NOTED IN THE SPECIFICATIONS. 5. TOPSOIL SHALL BE STRIPPED FROM ALL CUT AND FILL AREAS, STOCKPILED AND REDISTRIBUTED OVER-GRADED AREAS TO A MINIMUM DEPTH OF 6 INCHES. STOCKPILES SHALL BE FREE DRAINING AND PROVIDE EROSION AND SEDIMENTATION CONROLS AROUND STOCKPILES. IMPORTED TOPSOIL TO A MINIMUM DEPTH OF 6 INCHES IS REQUIRED IN ALL AREAS BETWEEN BUILDING AND SIDEWALKS.

6. ALL GRADED AREAS SHALL BE SEEDED AND MULCHED WITHIN 7 DAYS AFTER GRADING IS

7. CONSTRUCT TEMPORARY EROSION CONTROL AS SHOWN ON THE DRAWING PRIOR TO BEGINNING GRADING OPERATIONS. 8. ALL DRAINAGE STRUCTURES, PIPES WITHIN THE LIMITS OF CONTRUCTION, AND DETENTION

PONDS SHALL HAVE SEDIMENT REMOVED PRIOR TO FINAL ACCEPTANCE. 9. SILT BARRIERS SHALL BE CLEANED OF ACCUMULATED SEDIMENT WHEN APPROXIMATELY 50%

10. ALL LOCATIONS OF TEMPORARY EROSION CONTROL DEVICES SHALL BE SUBJECT TO ADJUSTMENT AS DIRECTED BY THE ARCHITECT/ENGINEER. 11. WHEN THE TEMPORARY EROSION CONTROL DEVICES ARE NO LONGER REQUIRED FOR THE INTENDED PURPOSE (IN THE ARCHITECT/ENGINEER'S OPINION), THEY SHALL BE REMOVED.

12. REPLACE DAMAGED AND WORN OUT SILT BARRIERS AS DIRECTED BY THE 13. THE CONTRACTOR SHALL PROTECT ALL TREES DESIGNATED TO REMAIN. DO NOT OPERATE OR

STORE HEAVY EQUIPMENT, NOR HANDLE/STORE MATERIALS, WITHIN THE DRIPLINES OF 14. TOP OF GRATE ELEVATIONS FOR CURB INLETS ARE GIVEN TO THE CENTER OF THE INLETS AT THE FACE OF CURB. THE GRATES SHALL SLOPE LONGITUDINALLY WITH THE PAVEMENT

GRADE. ADJUST THE CASTING TO FALL ALONG THE CURB LINE. 15. THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION OF ALL EXISTING UTILITIES, PROTECT UTILITIES TO REMAIN, AND REPAIR CONTRACTOR-CAUSED DAMAGE ACCORDING TO LOCAL STANDARDS AT CONTRACTOR'S EXPENSE

16. NOTIFY LOCAL UTILITY LOCATOR SERVICE OF INTENDED EXCAVATION/UTILITY TRENCHING 17. IN THE EVENT OF ANY DISCREPANCIES FOUND IN THE DRAWINGS OR IF PROBLEMS ARE

ENCOUNTERED DURING CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE ARCHITECT/ENGINNER BEFORE PROCEEDING WITH THE WORK. 18. THE CONTRACTOR SHALL GIVE ALL NECESSARY NOTICES AND OBTAIN ALL PERMITS.

19. SPOT ELEVATIONS AND CONTOURS REPRESENT PROPOSED FINISHED GRADE AND TOP OF DIRT ELEVATIONS UNLESS OTHERWISE NOTED. 20. CONTRACTOR SHALL VERIFY EXISTING ELEVATIONS AND INVERTS PRIOR TO BEGINNING WORK. 21. EXCESS MATERIAL SHALL BE DISPOSED OFF BY THE CONTRACTOR OFF THE OWNER'S

PROPERTY AT NO ADDITIONAL COST IN A LEGAL MANNER. 22. CONTOUR LINES AND SPOT ELEVATIONS ARE THE RESULT OF A DETAILED ENGINEERING GRADING DESIGN AND REFLECT A PLANNED INTENT WITH REGARD TO DRAINAGE. SHOULD THE CONTRACTOR HAVE ANY QUESTION OF THIS INTENT OR ANY PROBLEMS WITH CONTINUITY OF GRADES, THE ARCHITECT/ENGINEER SHALL BE CONTACTED PRIOR TO BEGINNING WORK.

23. EXISTING MANHOLE CASTINGS TO REMAIN SHALL BE RESET TO MATCH NEW GRADE. 24. ALL CURBS AND SIDEWALKS SHALL BE BACKFILLED WITH TOPSOIL, AND SEEDED AND MULCHED, UNLESS OTHERWISE NOTED. 25. ALL PIPES SHALL BE BACKFILLED WITH SATISFACTORY MATERIAL COMPACTED TO 98% OF

MAXIMUM PER ASTM D698. 26. ALL STORM DRAINAGE PIPE SHALL BE R.C.P UNLESS OTHERWISE NOTED, AND COMPLETELY WRAPPED WITH TYPE V FILTER FABRIC AT ALL JOINTS. FILTER FABRIC SHALL BE 18" WIDE AND OVERLAP 8". LIFT HOLES SHALL BE GROUTED AND SEALED WATER TIGHT AND COVERED WITH

FILTER FABRIC. PIPE LENGTHS SHOWN ARE APPROXIMATE. 27. ALL CUT AND FILL SLOPES TO BE 3:1 MAXIMUM, UNLESS OTHERWISE NOTED. 28. ALL HEADWALLS SHALL HAVE A MINIMUM 10'x20'x1.5' RIP-RAP APRON INSTALLED USING 8" MIN. DIAMETER STONE. UNLESS OTHERWISE SPECIFIED. 29. SATISFACTORY TOPSOIL IS DEFINED AS SOIL BEING FREE OF SUBSOIL, CLAY LUMPS, STONES, AND OTHER OBJECTS OVER 1 INCH IN DIAMETER, OR CONTAMINANTS.

30. AFTER STRIPPING TOPSOIL. PROOFROLL SUBGRADE WITH A LOADED DUMP TRUCK WITH A MINIMUM WEIGHT OF 20 TONS. 31. FINISH GRADES TOLERANCES ARE 0.10 FOOT ABOVE OR BELOW DESIGN ELEVATIONS 32. CONSULT GEOTECHNICAL REPORT FOR ADDITIONAL REQUIREMENTS.

98% OF MAXIMUM PER ASTM D698.

33. PROVIDE TEMPORARY SEEDING ON STOCKPILES AND ALL OTHER AREAS OF THE SITE THAT WILL REMAIN UNDISTURBED FOR 30 DAYS OR MORE. 34. PLACEMENT OF EARTHWORK FILL SHALL BE IN MAX. 8" COMPACTED LIFTS WITH DENSITY OF

LAYOUT & PAVING NOTES

1. THE CONTRACTOR SHALL CHECK EXISTING GRADES, DIMENSIONS, AND INVERTS IN THE FIELD AND REPORT ANY DISCREPANCIES TO THE ARCHITECT/ENGINEER PRIOR TO BEGINNING WORK. 2. THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION OF ALL EXISTING UTILITIES, INCLUDING IRRIGATION LINES, TAKE CARE TO PROTECT UTILITES THAT ARE TO REMAIN, AND REPAIR CONTRACTOR CAUSED DAMAGE ACCORDING TO CURRENT LOCAL STANDARDS AND AT THE CONTRACTOR'S EXPENSE COORDINATES ALL CONSTRUCTION WITH THE APPROPRIATE UTILITY

3. THE CONTRACTOR SHALL COMPLY WITH ALL LOCAL CODES, OBTAIN ALL PERMITS, AND PAY ALL FEES PRIOR TO BEGINNING WORK. 4. PROVIDE A SMOOTH TRANSITION BETWEEN EXISTING PAVEMENT AND NEW PAVEMENT. FIELD ADJUSTMENT OF FINAL GRADES MAY BE NECESSARY. INSTALL ALL UTILITIES PRIOR TO

5. THE CONTRACTOR SHALL PROTECT ALL TREES TO REMAIN, IN ACCORDANCE WITH THE

SPECIFICATIONS DO NOT OPERATE OR STORE HEAVY EQUIPMENT, NOR HANDLE, NOR STORE MATERIALS WITHIN THE DRIP-LINES OF TREES OR OUTSIDE THE LIMIT OF GRADING. 6. CONCRETE WALKS AND PADS SHALL HAVE A BROOM FINISH. ALL CONCRETE SHALL BE 4,000 P.S.I. UNLESS OTHERWISE NOTED. CURB RAMPS, SIDEWALK SLOPES, AND DRIVEWAY RAMPS SHALL BE CONSTRUCTED IN ACCORDANCE WITH ALL CURRENT LOCAL REQUIREMENTS. IF APPLICABLE, THE CONTRACTOR SHALL REQUEST INSPECTION OF SIDEWALK AND RAMP FORMS PRIOR TO PLACEMENT OF CONCRETE.

7. ALL DAMAGE TO EXISTING ASPHALT PAVEMENT TO REMAIN WHICH RESULTS FROM NEW CONSTRUCTION SHALL BE REPLACED WITH LIKE MATERIALS AT CONTRACTOR'S EXPENSE. 8. DIMENSIONS ARE TO THE EDGE OF PAVEMENT, EDGE OF CONCRETE, OR TO THE FACE OF BUILDING, UNLESS OTHERWISE NOTED.

9. COORDINATES ARE FOR FACE OF BUILDINGS, CENTER LINES OF DRIVEWAYS, CENTER OF SANITARY SEWER MANHOLES, AND CENTER AT FACE OF CURB INLETS, UNLESS OTHERWISE

10. EXCESS MATERIAL SHALL BE DISPOSED OF BY THE CONTRACTOR AS DIRECTED BY THE OWNER/ENGINEER.

STORMWATER POLLUTION PREVENTION NOTES

REFER TO EROSION CONTROL PLAN FOR ADDITIONAL REQUIREMENTS. 2. THE OWNER AND THE CONTRACTOR ARE REQUIRED TO SUBMIT A NOTICE OF INTENT (NOI) TO DISCHARGE CONSTRUCTION ACTIVITY STORMWATER APPLICATION TO THE LOCAL MISSISSIPPI ENVIRONMENTAL ASSISTANCE CENTER AT LEAST 30 DAYS PRIOR TO BEGINNING CONSTRUCTION. THE CONTRACTOR AND OWNER SHALL PROVIDE (WITH THE (NOI) FOR THIS PROJECT) EXISTING NPDES PERMIT TRACKING NUMBERS FOR SITES WHERE BORROW MATERIAL MAY BE OBTAINED AND WHERE SPOIL MATERIAL MAY BE PLACED SHOULD PERMITS NOT EXIST FOR BORROW AND SPOIL SITES. SEPARATE (NOI)'S SHALL BE PROVIDED BY THE

3. THE NOTICE OF COVERAGE (NOC) OF THE PERMIT TO DISCHARGE CONSTRUCTION—ACTIVITY STORMWATER SHALL BE POSTED NEAR THE CONSTRUCTION ENTRANCE. THE CONTRACTOR SHALL HAVE A SET OF APPROVED EROSION CONTROL PLANS ON SITE DURING ALL

4. THE CONSTRUCTION ACTIVITY ANTICIPATED ON THIS PROJECT INCLUDES CLEARING, GRUBBING, GRADING, TOPSOILING, AND SEEDING. 5. THE APPROXIMATE TOTAL AREA OF THE SITE IS 14.42 ACRES. THE APPROXIMATE TOTAL AREA OF GRADING PROPOSED IS 14.42 ACRES.

6. THE ANTICIPATED FILL MATERIAL WILL CONSIST OF ON-SITE SOIL AND/OR OFF-SITE SOIL BORROW MATERIALS. 7. THE RECEIVING WATER/STORM SEWER OPERATOR IS THE CITY OF RIDGELAND, AND THE STATE

8. CONSTRUCTION SHALL BE SEQUENCED TO MINIMIZE EXPOSURE TIME OF CLEARED SURFACE AREA. EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IN PLACE AND FUNCTIONAL PRIOR TO EARTH MOVING OPERATIONS. ALL CONTROL MEASURES SHALL BE CHECKED AND REPAIRED AS NECESSARY, AND AT MAXIMUM 7 CALENDAR DAYS IN DRY PERIODS AND WITHIN

24 HOURS OF ANY RAINFALL EXCEEDING 0.5 INCH PER 24 HOUR PERIOD. 9. THE CONTRACTOR SHALL DESIGNATE IN WRITING THE NAME AND PHONE NUMBER OF THE INDIVIDUAL RESPONSIBLE FOR EROSION AND SEDIMENT CONTROLS. 10. PRE-CONSTRUCTION VEGETATIVE GROUND COVER SHALL NOT BE REMOVED MORE THAN 20 CALENDAR DAYS PRIOR TO GRADING. ALL GRADED AREAS EXPECTED TO REMAIN UNFINISHED AND UNWORKED FOR MORE THAN 30 CALENDAR DAYS SHALL BE COVERED WITH TEMPORARY GRASS, SOD, STRAW, MULCH OR FABRIC MATS. PERMANENT SOIL STABILIZATION SHALL BE INSTALLED WITHIN 7 CALENDAR DAYS OF FINAL GRADING. 11. THE CONTRACTOR SHALL MAINTAIN RECORDS OF EROSION CONTROL INSPECTIONS AND

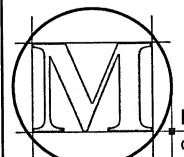
REPAIRS FOR A MINIMUM OF 3 YEARS AFTER COMPLETION OF CONSTRUCTION. 12. TEMPORARY SEEDING FOR MISSISSIPPI PROJECTS INCLUDE THE FOLLOWING: JAN 1- MAY 1ITALIAN RYE/KOREAN LESPEDEZA/SUMMER OATS

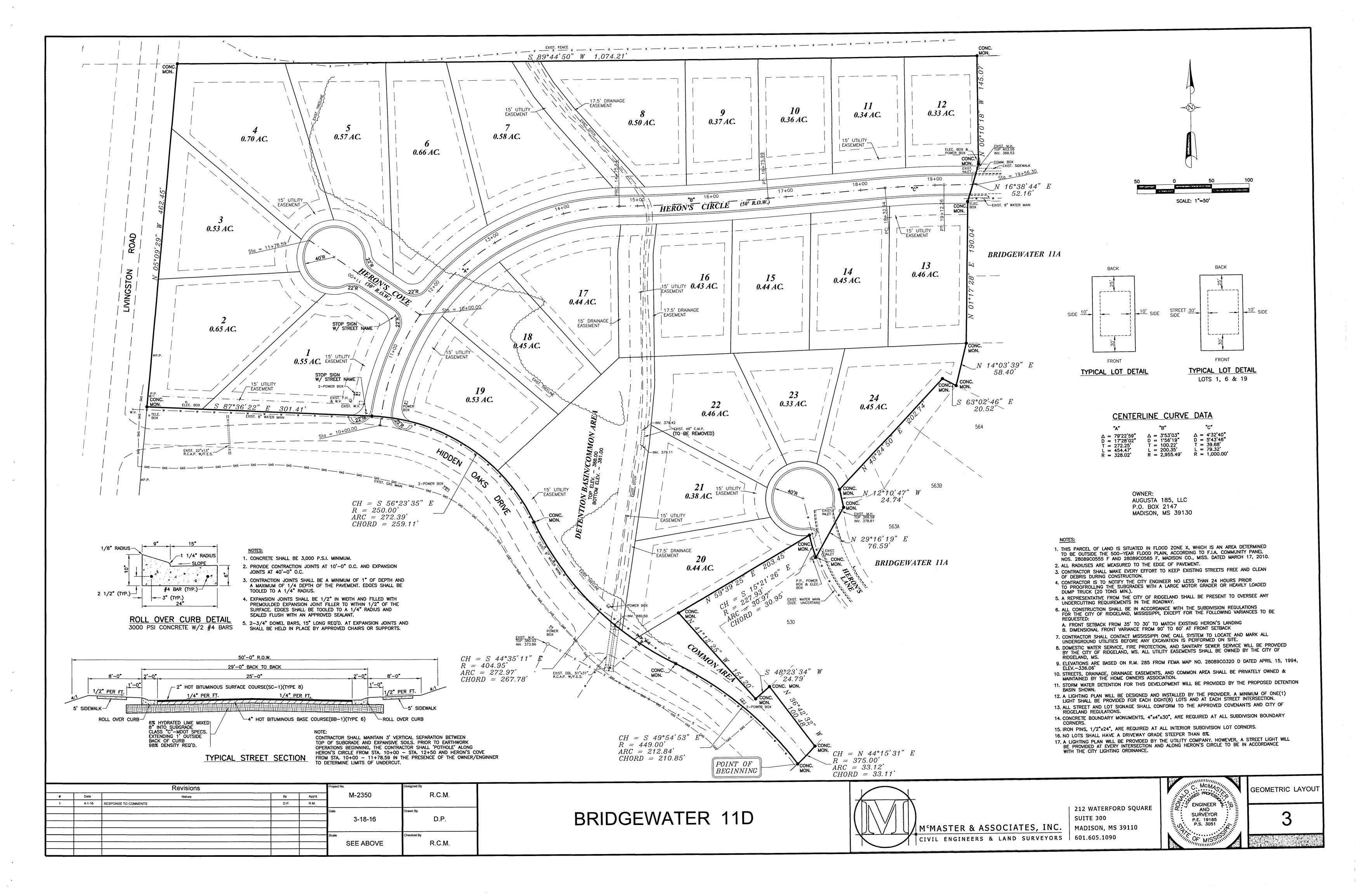
MAY 1- JULY 15 SUDAN OT STARR MILLET JULY 15-JAN 1 BALBOA RYE/ITALIAN RYE

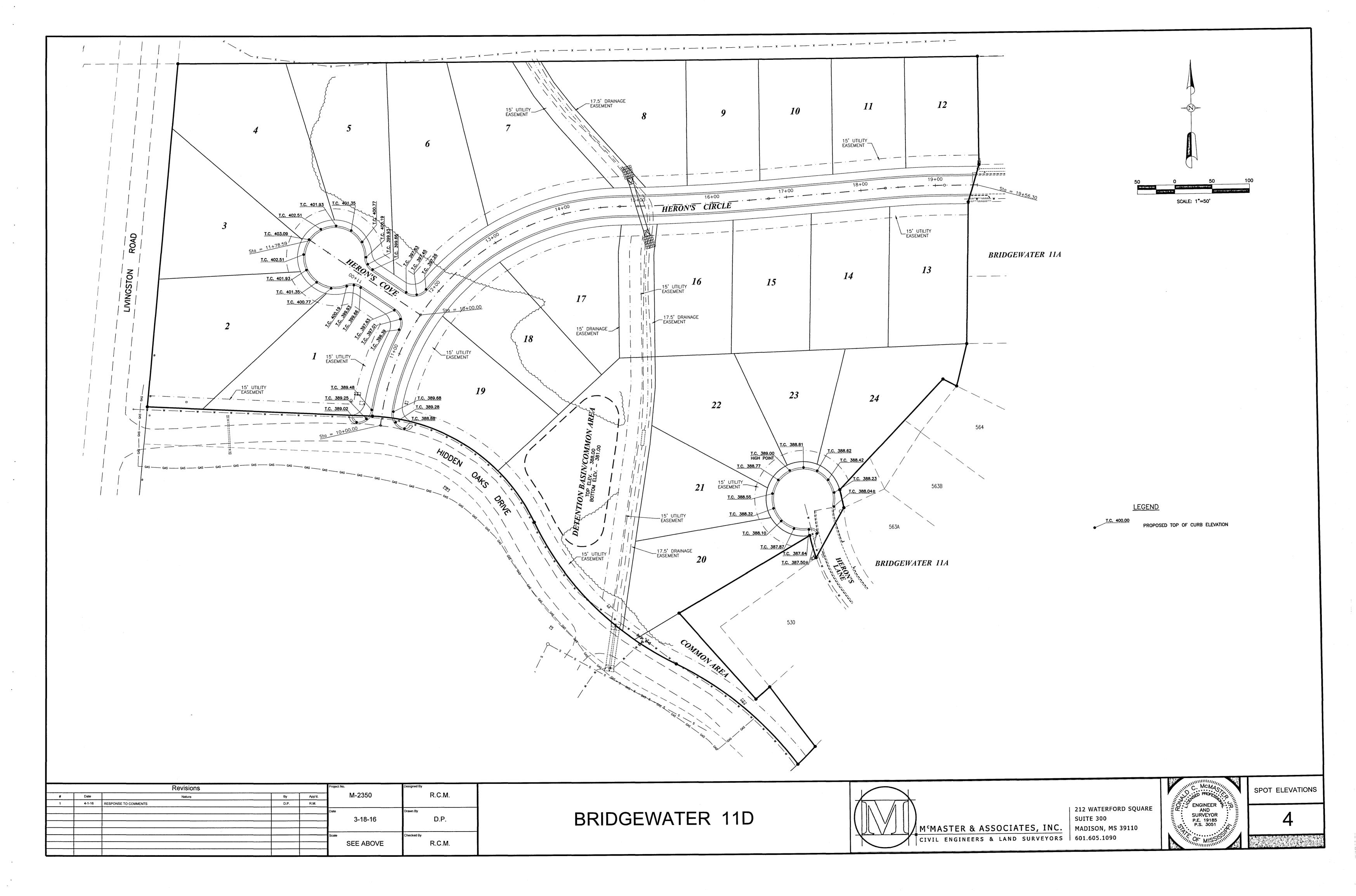
13. MULCHING SHALL CONSIST OF LOOSE HAY OR STRAW APPLIED AT THE RATE OF 2 TONS/ACRE. 14. THE CONTRACTOR SHALL REMOVE SEDIMENT FROM TRAPS, SILT FENCES, SEDIMENT PONDS, ETC. AS NECESSARY AND WHEN CAPACITY HAS BEEN REDUCED BY 50%.

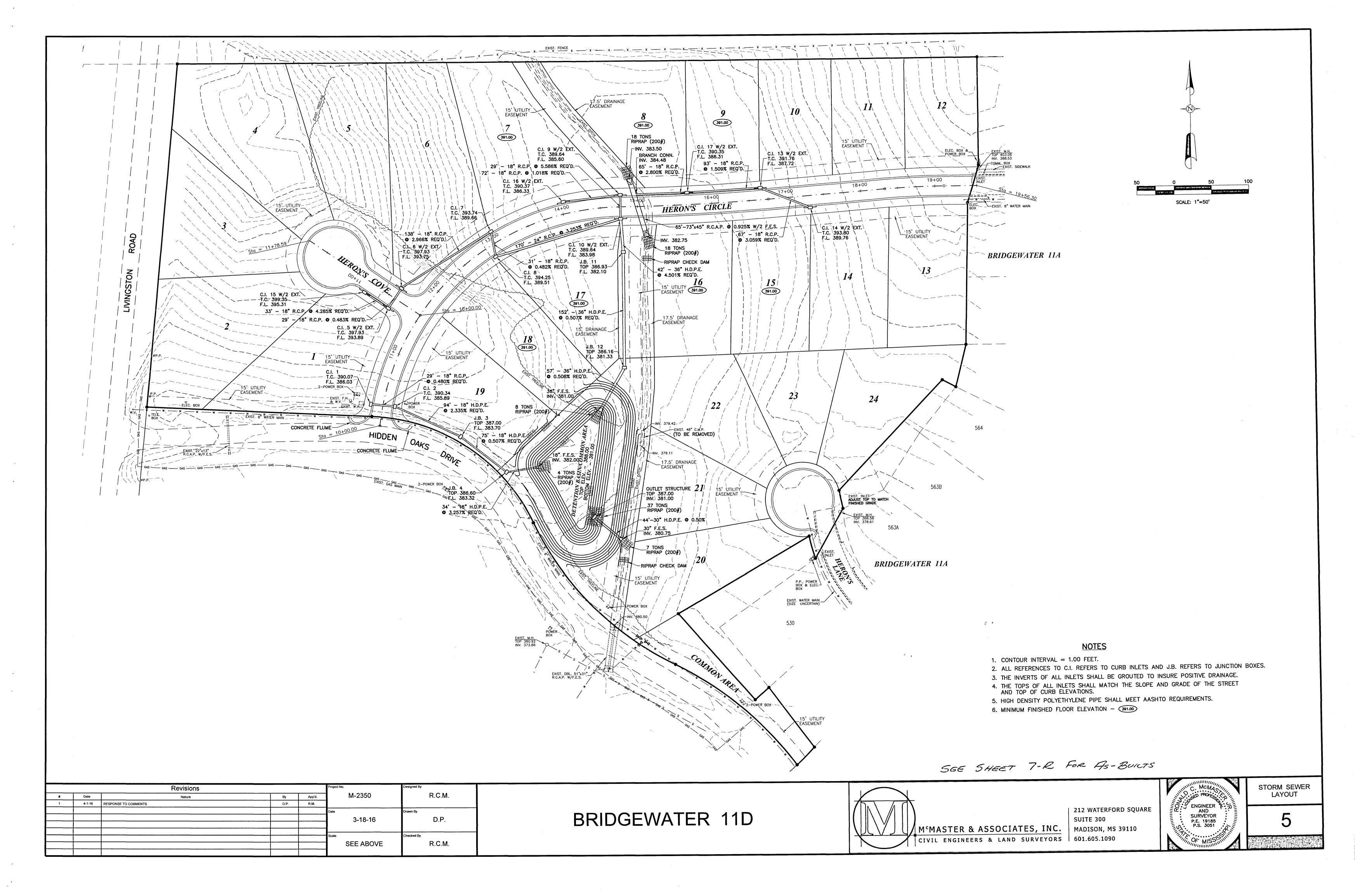
15. STOCKPILES SHALL BE STABILIZED AND PROTECTED FROM EROSION. 16. UPON COMPLETION OF SITE STABILIZATION, THE OWNER AND CONTRACTOR SHALL PROVIDE A NOTICE OF TERMINATION (NOT) FOR THE PROJECT TO THE MS DEPARTMENT OF ENVIRONMENTAL QUALITY. A COPY OF THE (NOT) SHALL BE PROVIDED TO THE ENGINEER.

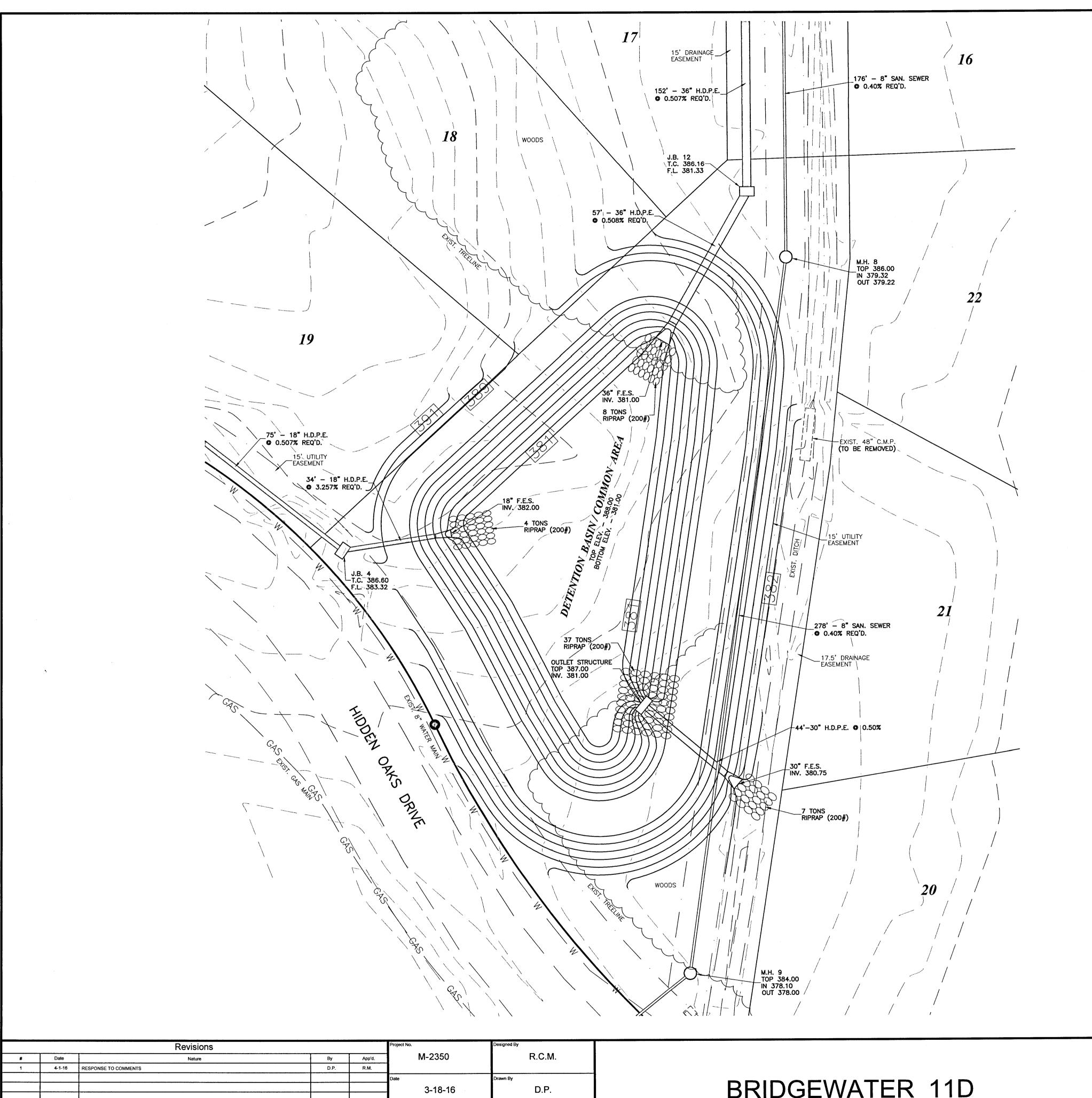
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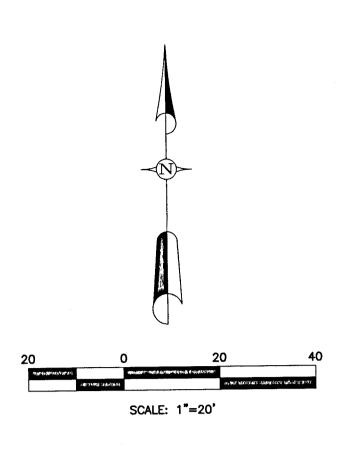






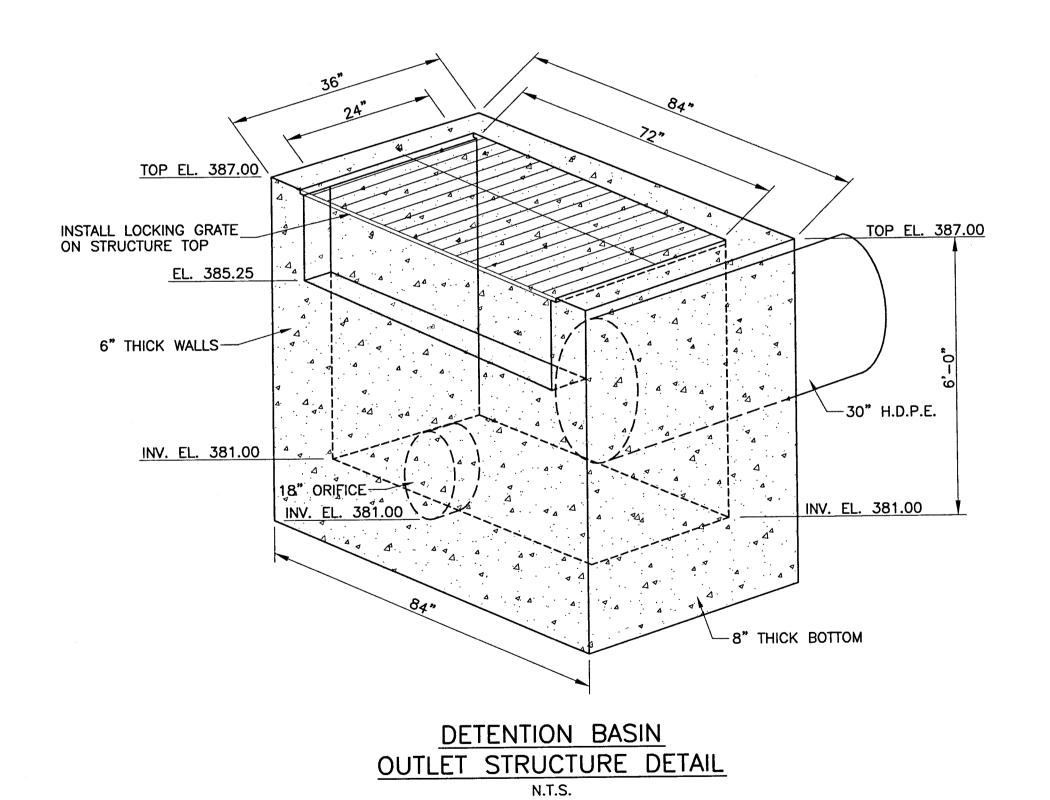






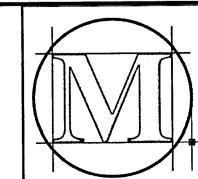
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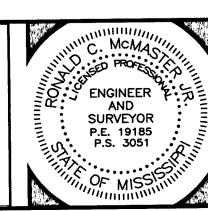
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BRIDGEWATER 11D

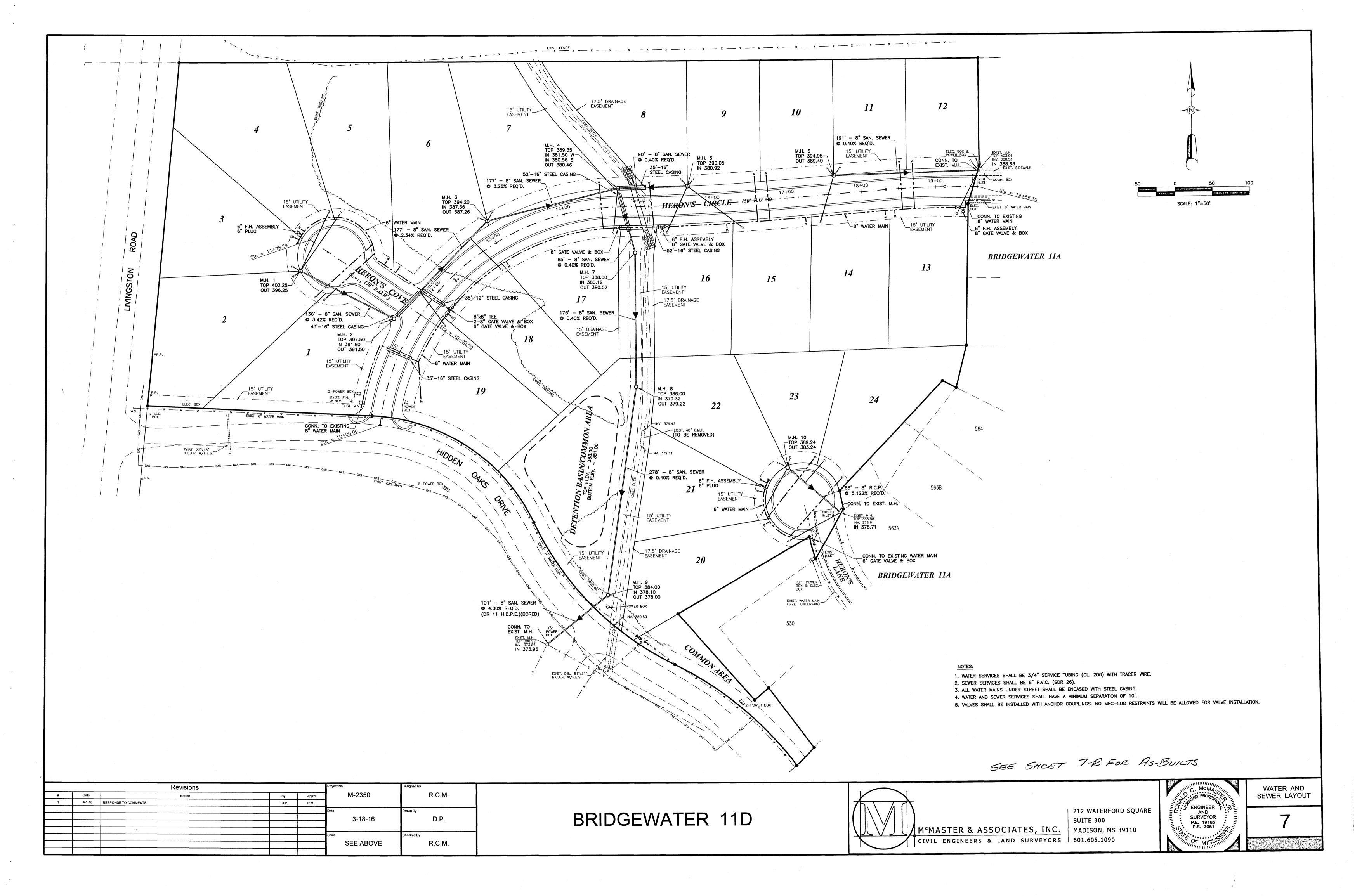


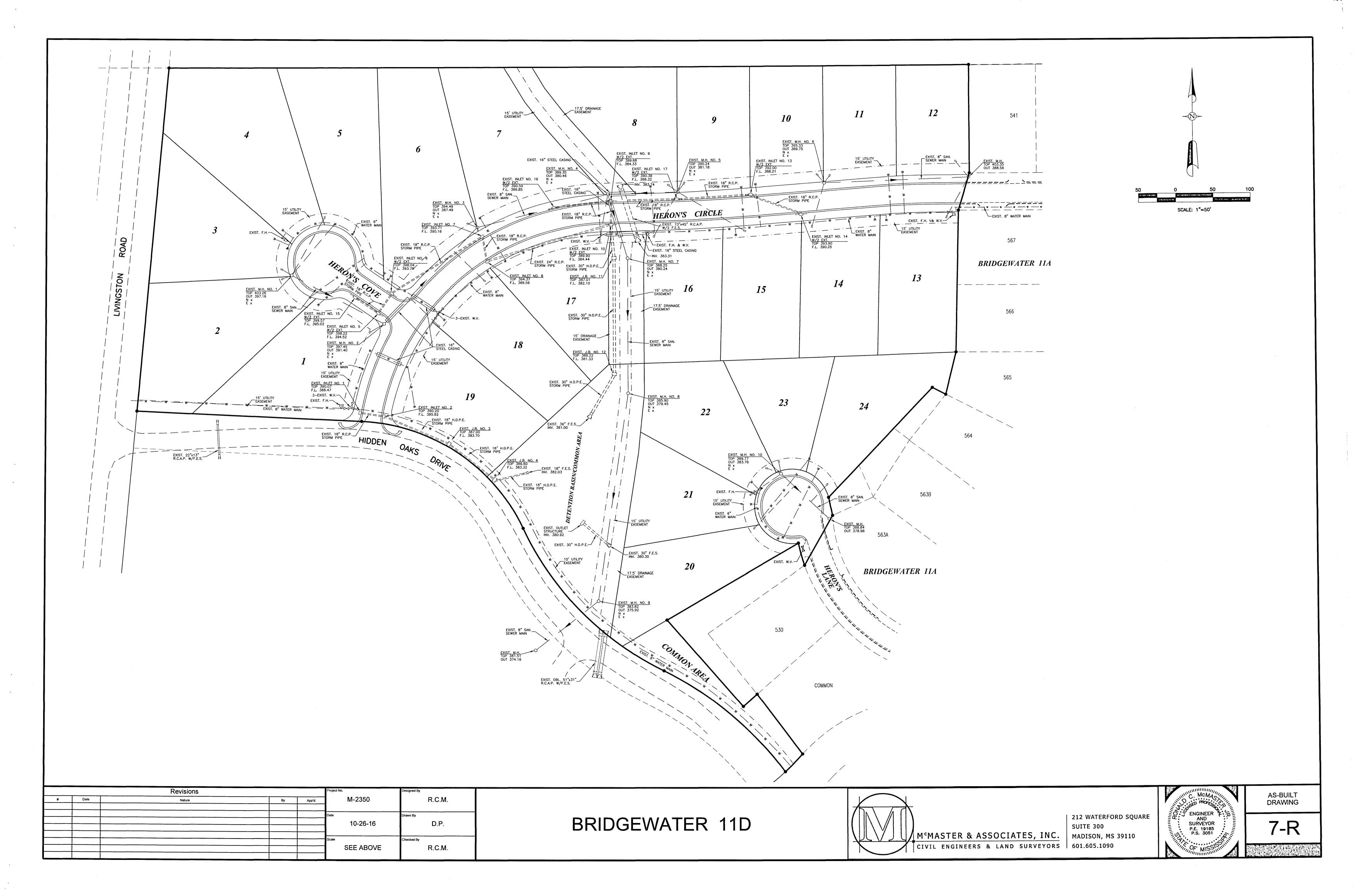
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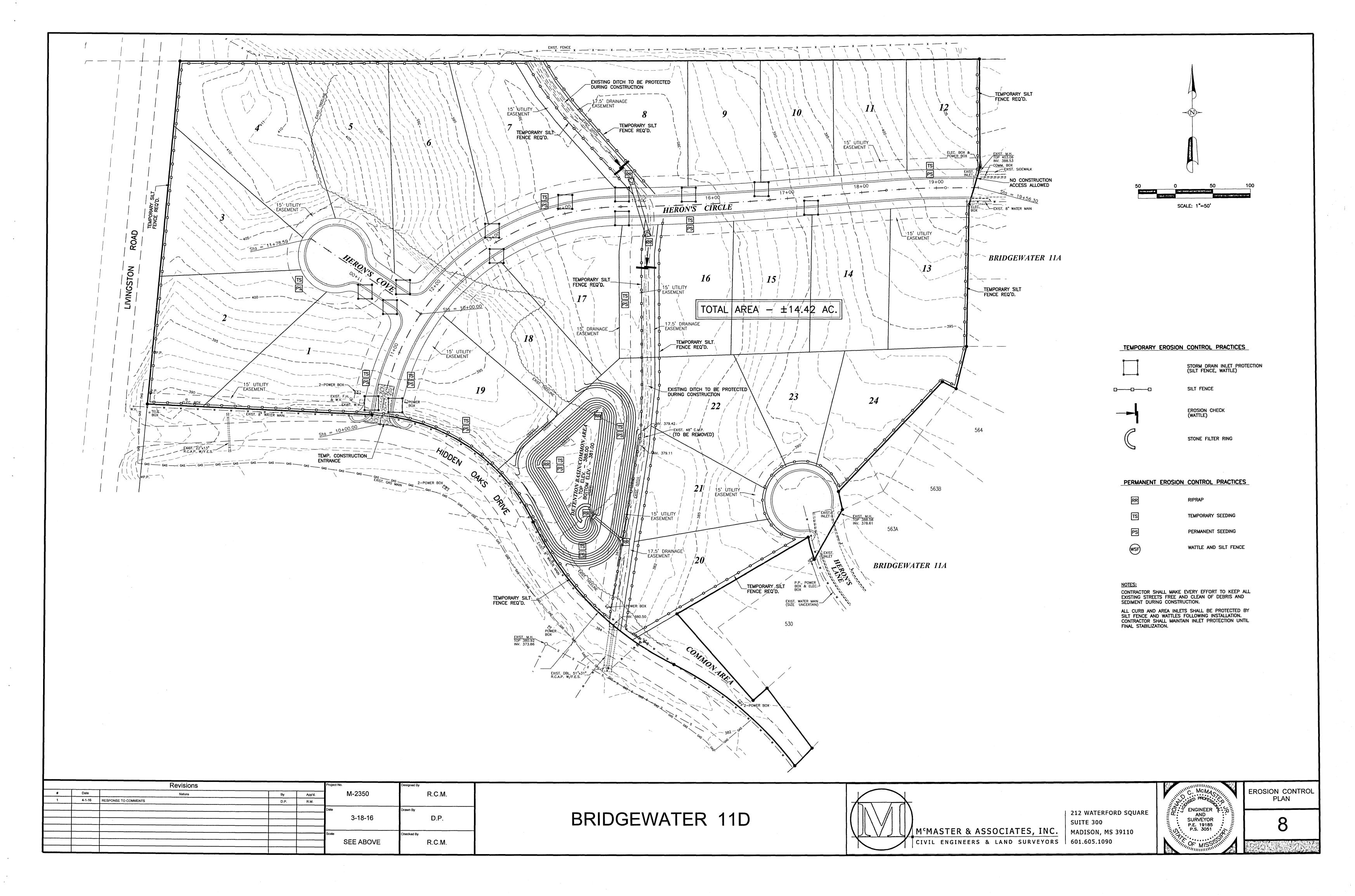
212 WATERFORD SQUARE SUITE 300 MADISON, MS 39110

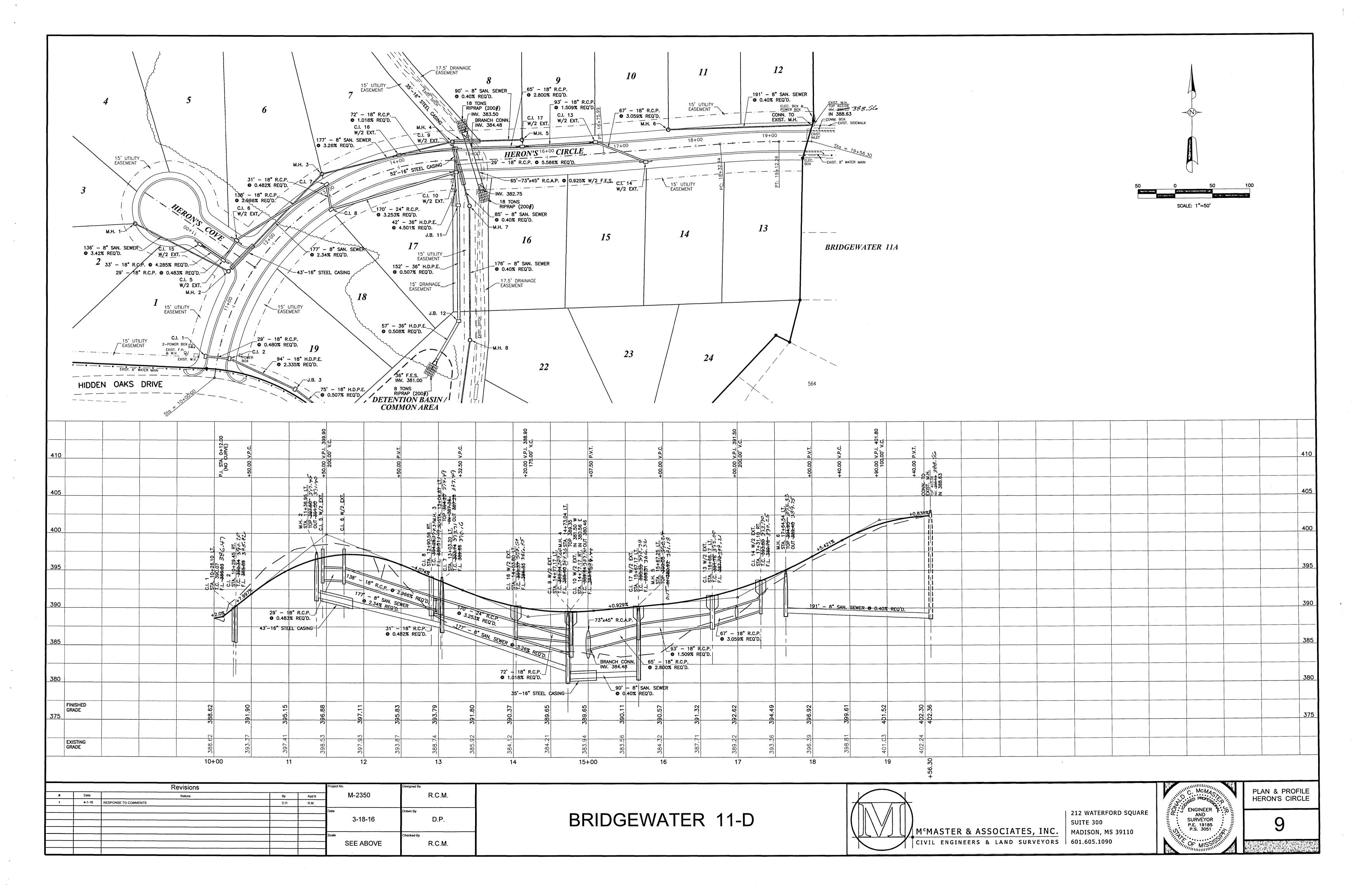


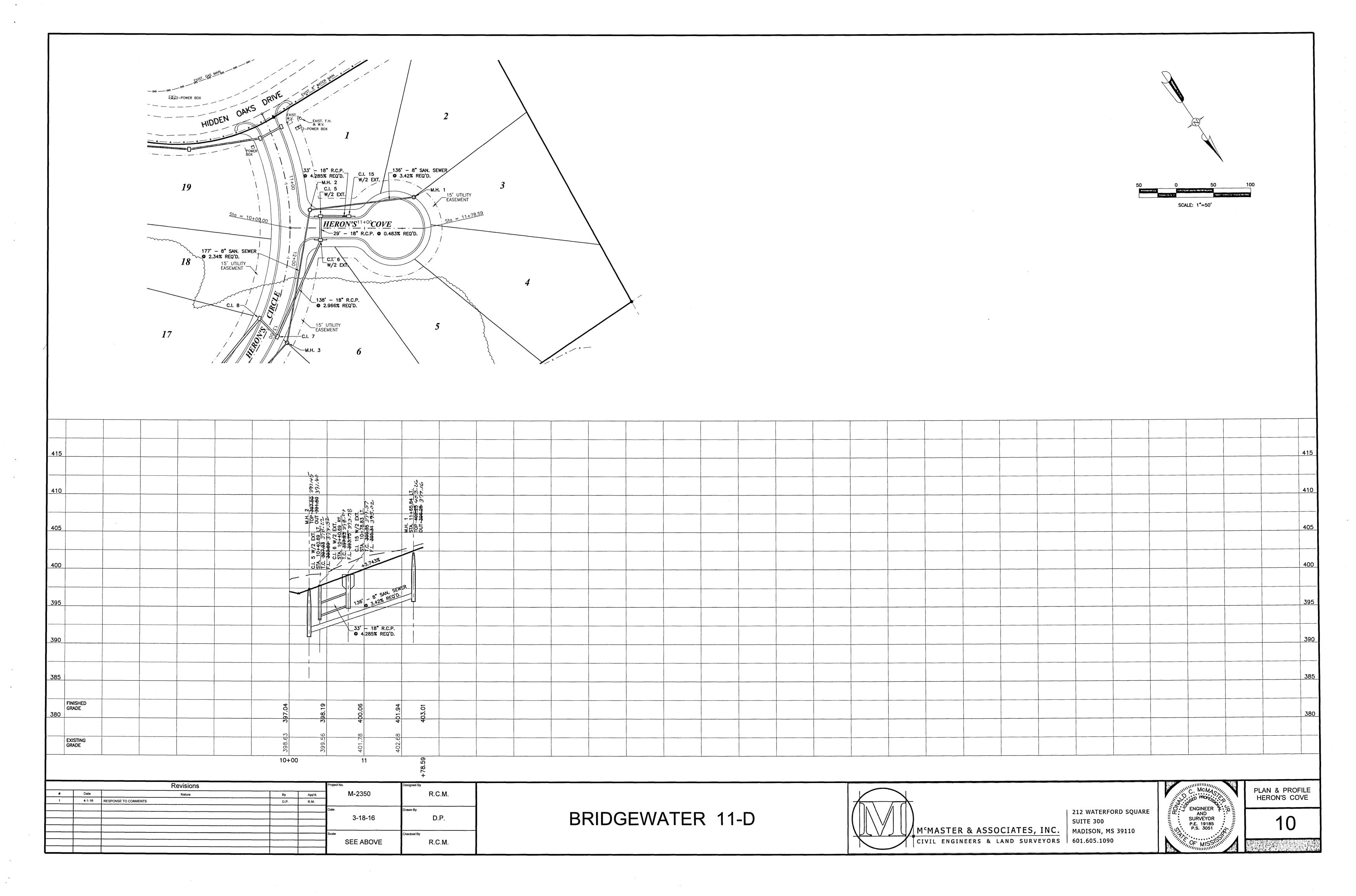
DETENTION LAYOUT

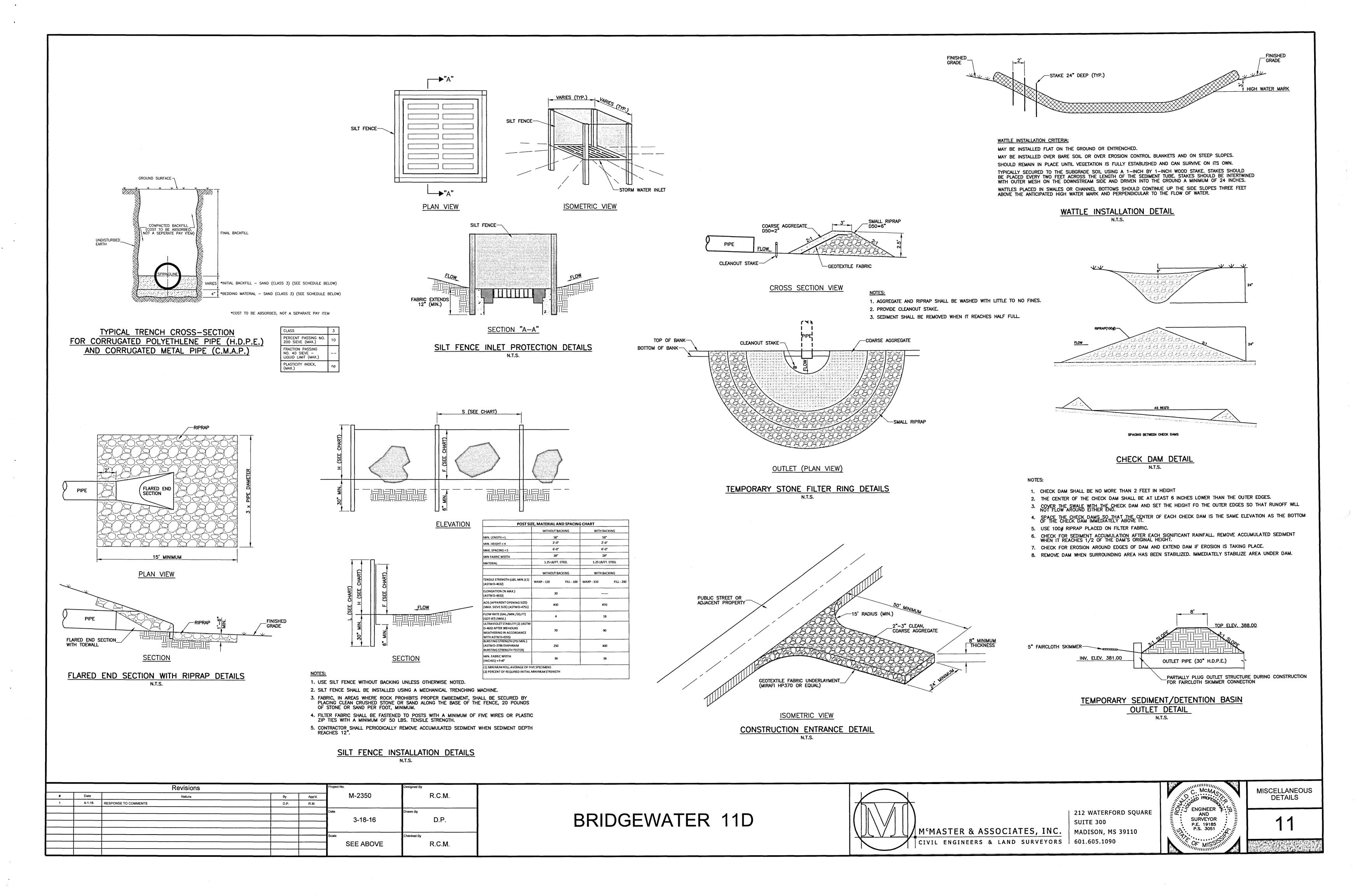


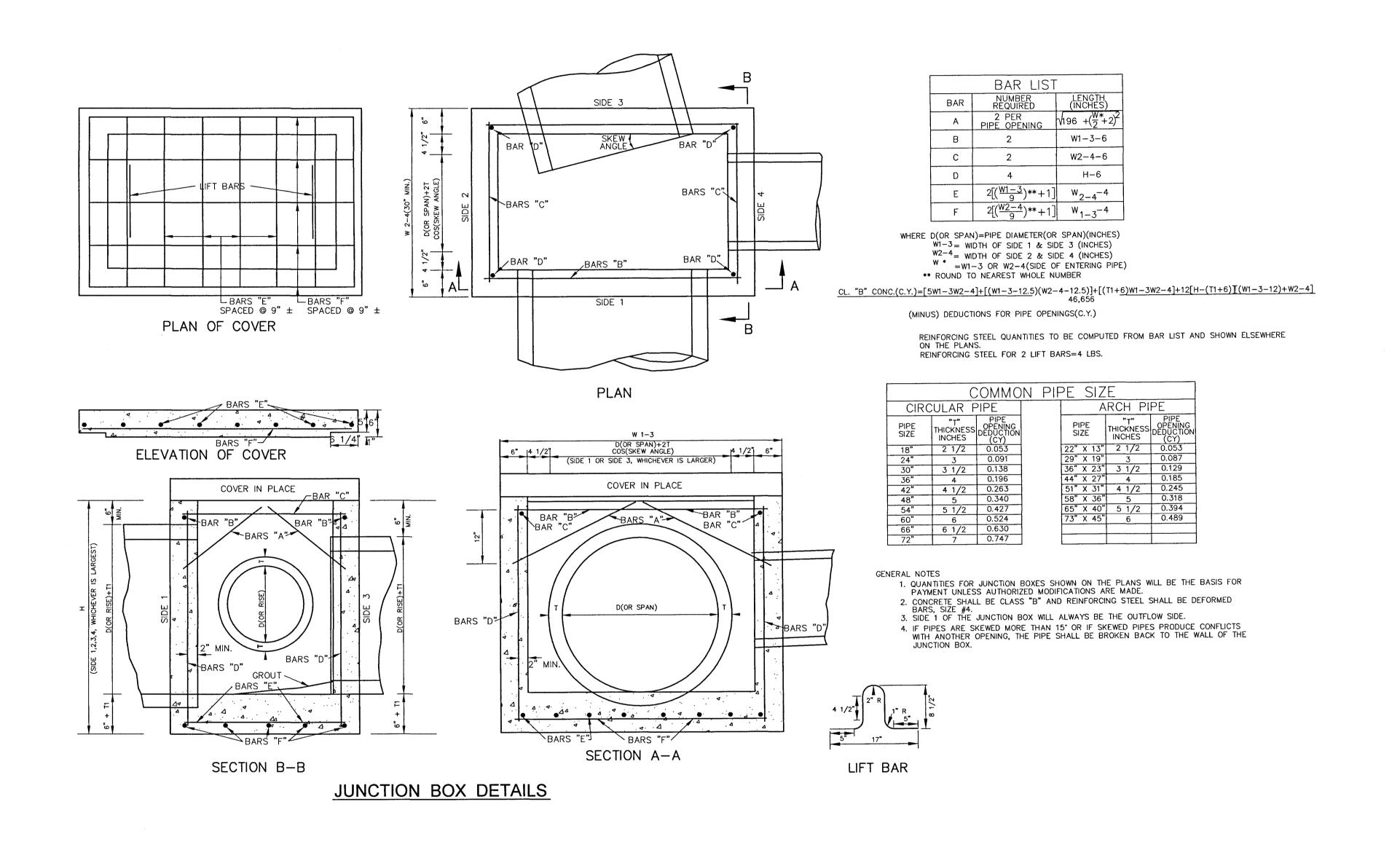


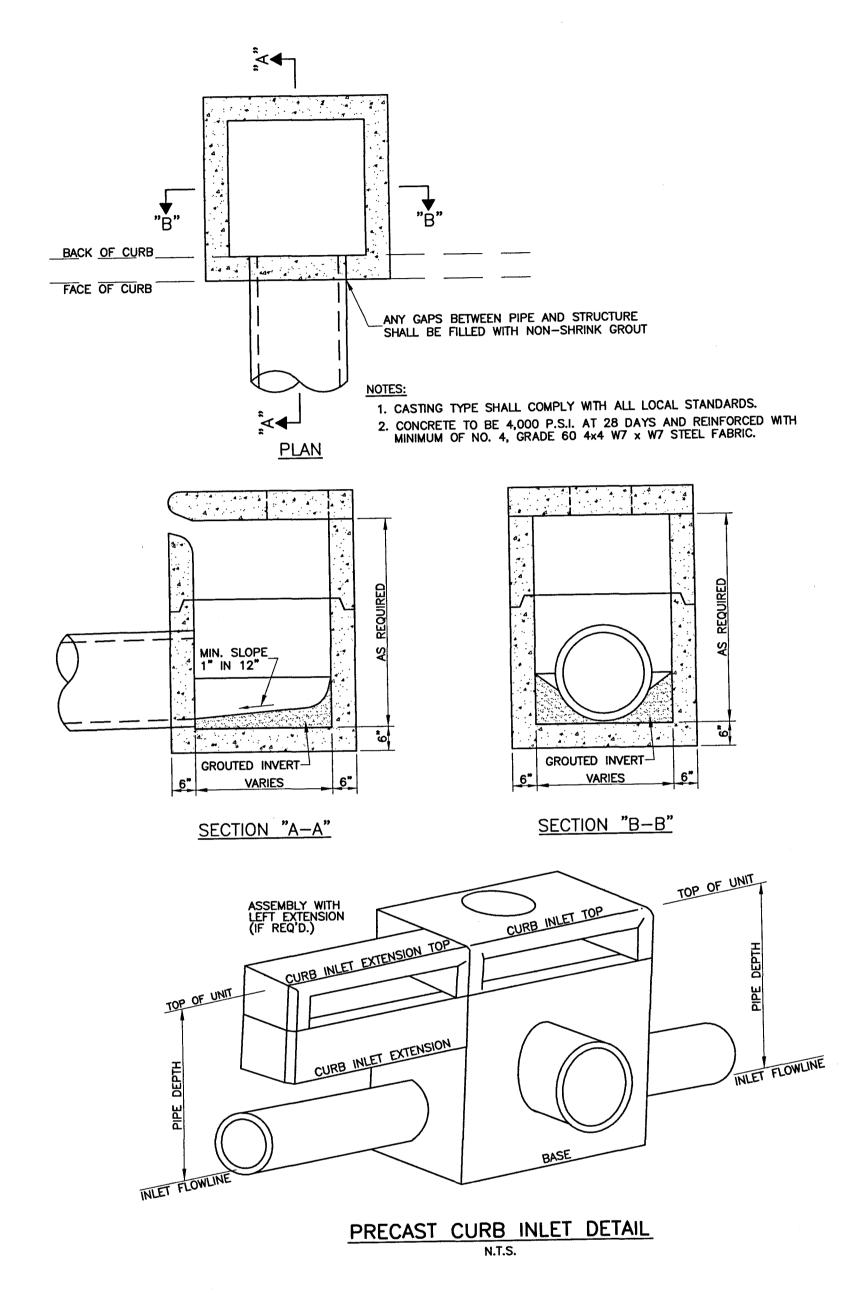




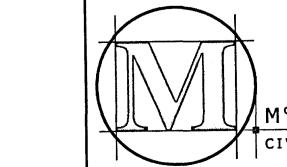








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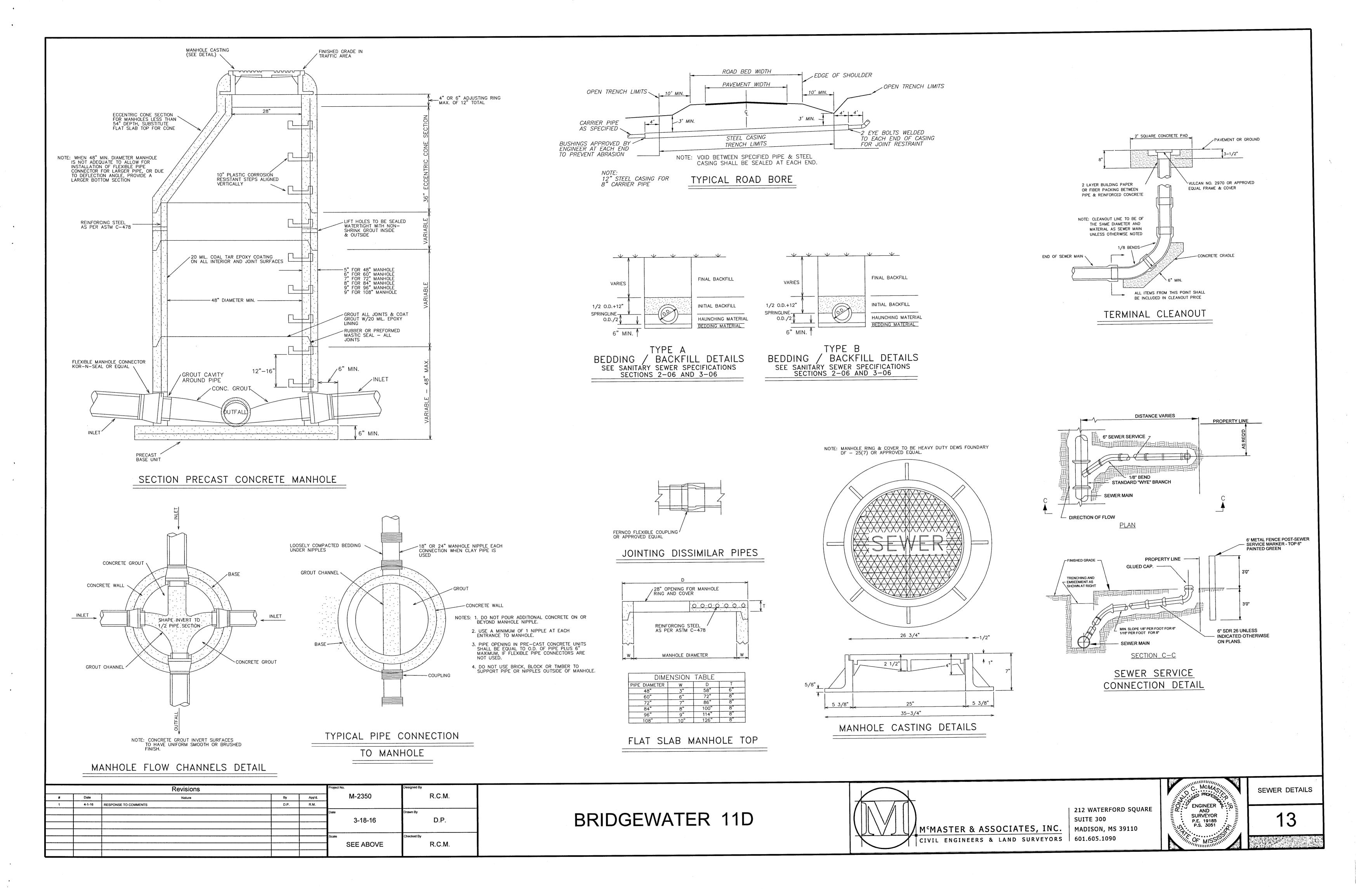
M°MASTER & ASSOCIATES, INC.
CIVIL ENGINEERS & LAND SURVEYORS

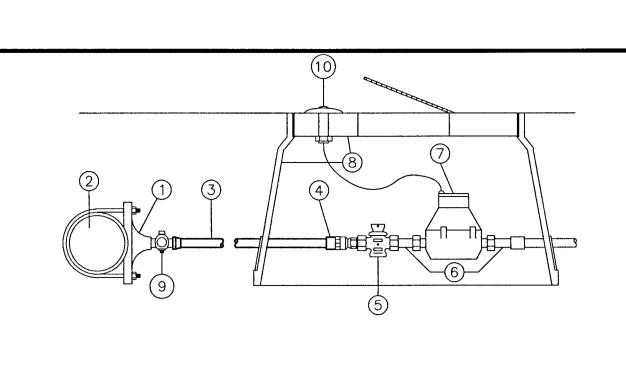
212 WATERFOR SUITE 300
MADISON, MS : 601.605.1090

212 WATERFORD SQUARE
SUITE 300
MADISON, MS 39110
ORS 601.605.1090

ENGINEER AND SURVEYOR P.E. 19185 P.S. 3051

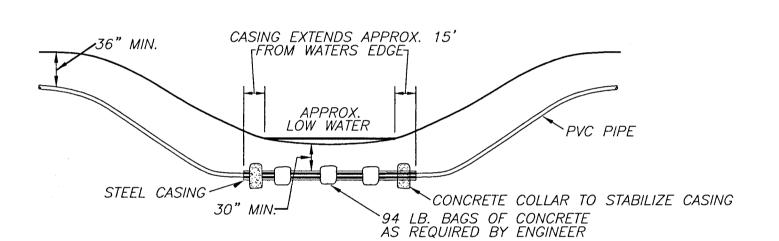
MISCELLANEOUS DETAILS



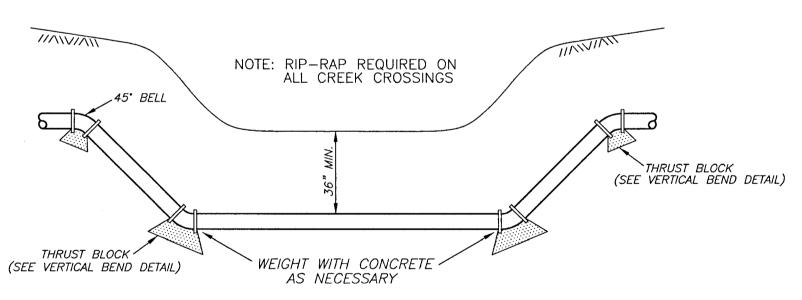


ITEM NO.	SIZE AND DESCRIPTION	MATERIAL SPECIFICATIONS		
1	SERVICE CLAMP	FORD 202B		
2	P.V.C. MAIN	C-900 P.V.C., CLASS 150 MINIMUM		
3	SERVICE LINE W/ SPECIFIED P.V.C. CASING UNDER ROADWAY	POLYETHYLENE CL-200		
4	TRANSITION FITTING P.V.C.	MUELLER H-12211		
5	CURB STOP	FORD B43-232W-NL		
6	METER COUPLINGS	MUELLER H-10891		
7	WATER METER	BADGER (TO BE INSTALLED BY CITY)		
8	STANDARD BLACK PLASTIC METER BOX WITH READER LID.	NDS 12" STD BOX W/ 2 HOLES (TOUCH READ)		
9	CORPORATION STOP	FORD F1000-3-NL		
10	TOUCH READ DEVICE	(TO BE APPROVED BY CITY)		

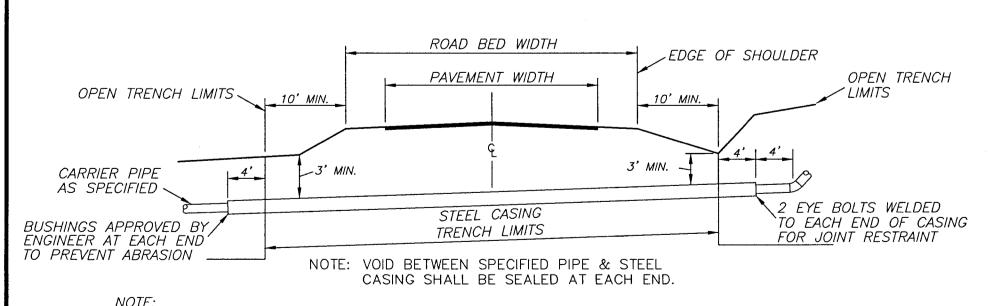
*SEE PLANS FOR MATERIAL SIZES
*ALL FITTINGS SHALL BE NO-LEAD (NL) TYPICAL SERVICE ASSEMBLY CONNECTING TO PVC WATER MAIN

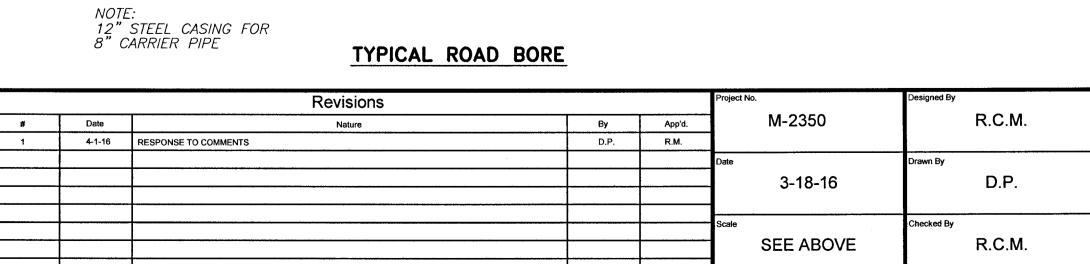


TYPICAL CREEK CROSSING FOR P.V.C. PIPE

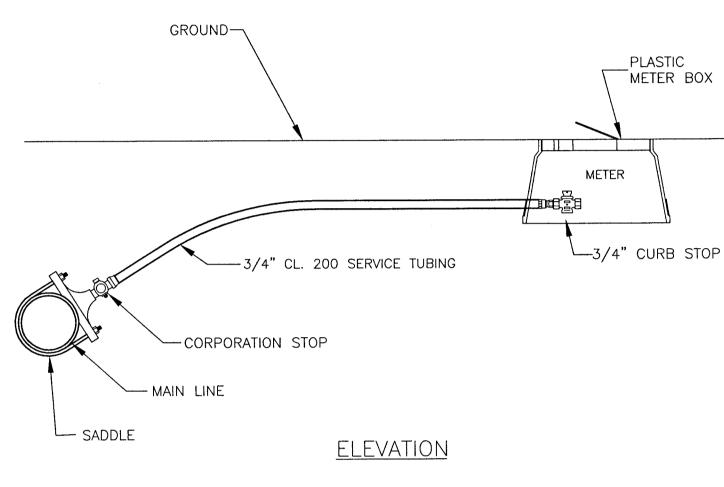


TYPICAL CREEK CROSSING FOR DUCTILE IRON PIPE



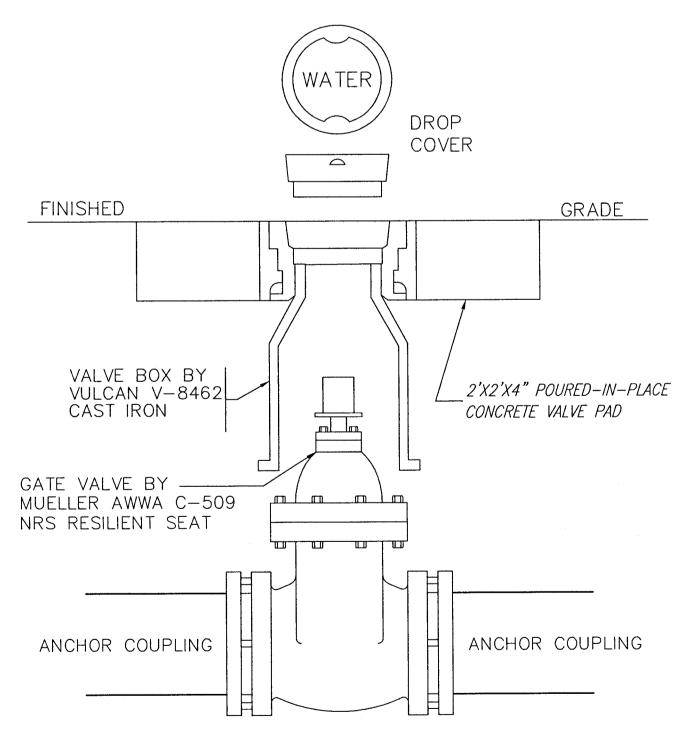


PROPERTY LINE PLASTIC METER BOX WITH "WATER" ON LID 3/4" CL. 200 SERVICE TUBING — 3/4" CURB STOP —

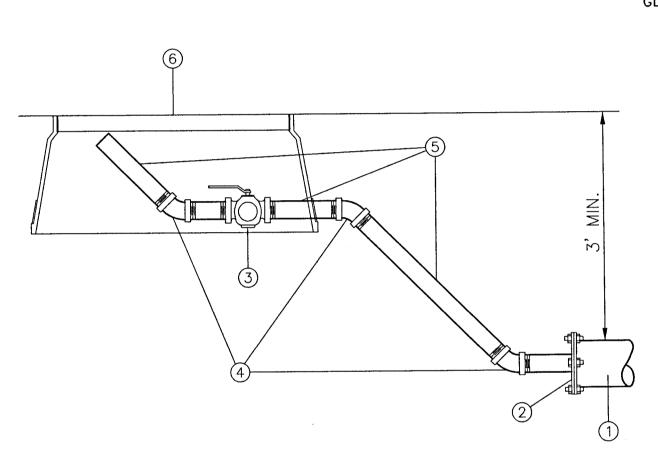


<u>PLAN</u>

TYPICAL SERVICE ASSEMBLY LESS METER

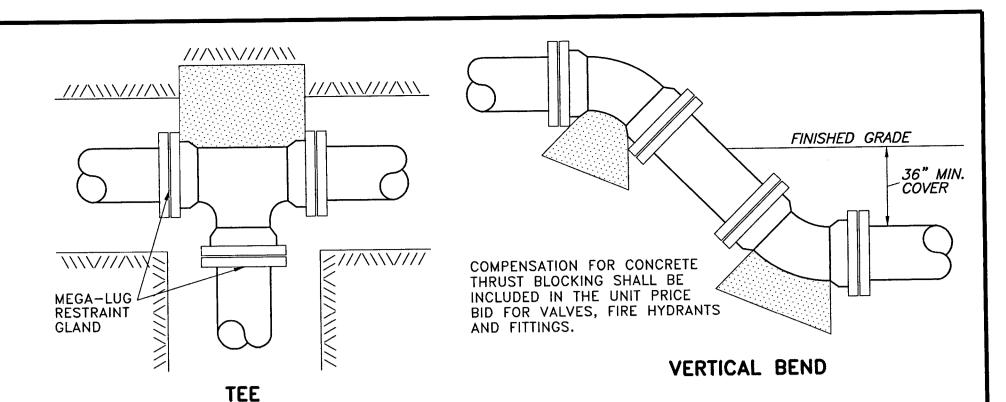


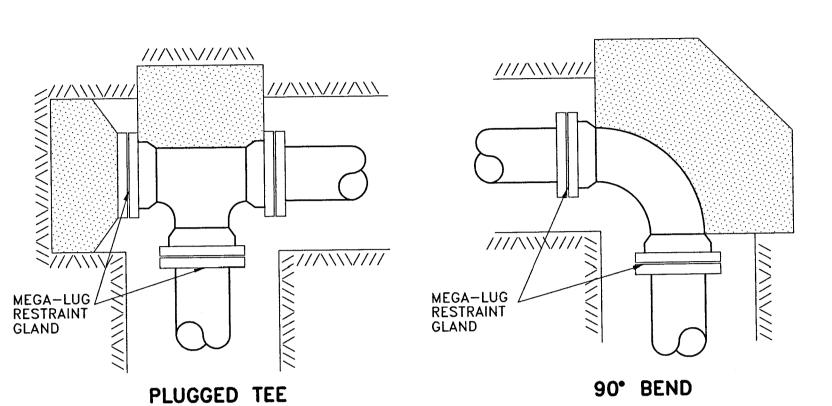
TYPICAL GATE VALVE



ITEM NO.	SIZE AND DESCRIPTION	MATERIAL SPECIFICATIONS
1	P.V.C. MAIN	C-900 P.V.C., CLASS 150 MINIMUM
2	DUCTILE IRON M.J. TAPPED CAP w/ MEGA-LUG	AS APPROVED
3	2" LOCKING BALL VALVE - SCREWED ENDS	MUELLER
4	2" GALVANIZED BENDS - THREADED	AS APPROVED
5	1-1/2" GALVANIZED PIPE - THREADED	AS APPROVED
6	OVERSIZED BLACK PLASTIC METER BOX.	NDS STD BOX

TYPICAL 2" BLOW-OFF ASSEMBLY

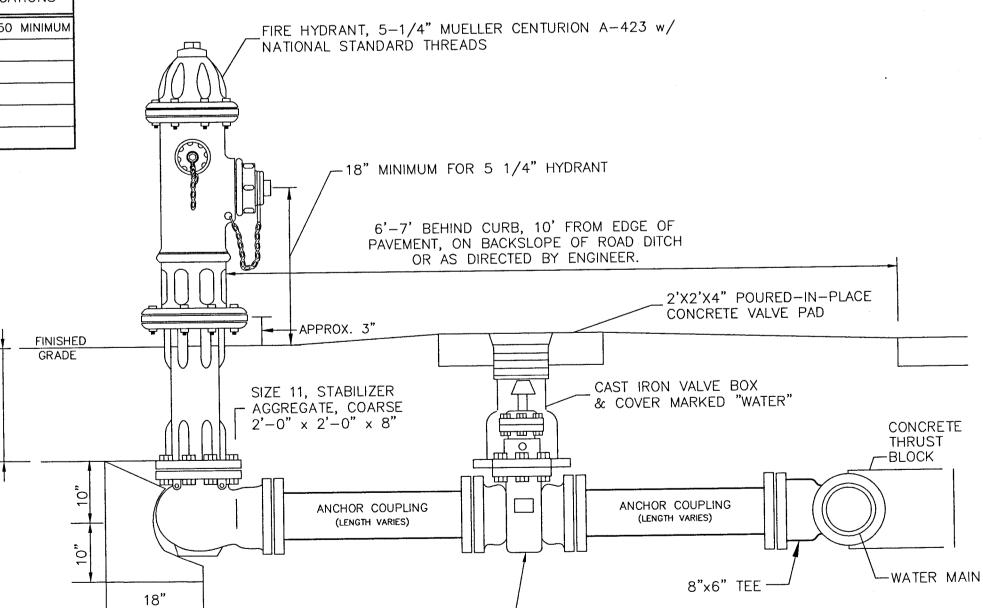




	BEARING A	REA II	1 SQ. F	T.		
NOMINAL PIPE DIAMETER (IN)	DEAD-END OR TEE	90° BEND	45* BEND	22-1/2* BEND	11-1/4° BEND	
4	2.0	2.0	2.0	2.0	2.0	
6	2.0	2.0	2.0	2.0	2.0	
8	3.0	3.0	2.0	2.0	2.0	
12	5.0	5.0	4.0	3.0	3.0	
16	8.0	12.0	6.0	4.0	4.0	
4		-	6.0 (.22)	4.0(.15)	4.0(.15)	
6			14.0(.52)	6.0 (.22)	4.0 (.15	
8			27.0(1.0)	9.0(.33)	6.0(.22))	
12			68.0(2.5)	22.0(.80)	9.0(.33)	
16 .			90.0 (3.33)	52.0(1.9)	18.0(.67	

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

TYPICAL BLOCKING ON WATER MAIN (3000 PSI CONCRETE REQUIRED)



FIRE HYDRANT ASSEMBLY



| 212 WATERFORD SQUARE SUITE 300 MADISON, MS 39110



L VALVE BY MUELLER AWWA C-509 NRS RESILIENT SEAT

WATER DETAILS

BRIDGEWATER 11D CIVIL ENGINEERS & LAND SURVEYORS 601.605.1090