

**Appendix A**  
**Site Photographs**



**Photo 1.** Beginning of proposed right-of-way (ROW) along Hurricane Creek north of Martin Luther Street, facing south.



**Photo 2.** Proposed ROW along Hurricane Creek, facing southwest, showing two (2) existing, 36-inch-diameter culverts at Martin Luther Street to be replaced with an underground storage system consisting of two (2) 314-foot-long, 54-inch-diameter corrugated metal pipes (CMP).



**Photo 3.** View of existing 54-inch diameter culvert at Martin Luther Street to be replaced with a single, underground storm drain system consisting of two (2) 314-foot-long, 54-inch-diameter CMP).



**Photo 4.** View of existing 48-inch culvert on Hurricane Creek at Garsee Road, facing southwest, to be replaced with a 46-foot-long, 60-inch-diameter CMP.





**Photo 5.** Culvert on Hurricane Creek at Sidney Lane, facing southwest.



**Photo 6.** View of PA 2, where Hurricane Creek intersects box culverts crossing under U.S. Highway 165, facing northwest.





**Photo 7.** Proposed ROW along Hurricane Creek, east of intersection of U.S. Highway 165 and behind garage on Rushing Street, facing east.

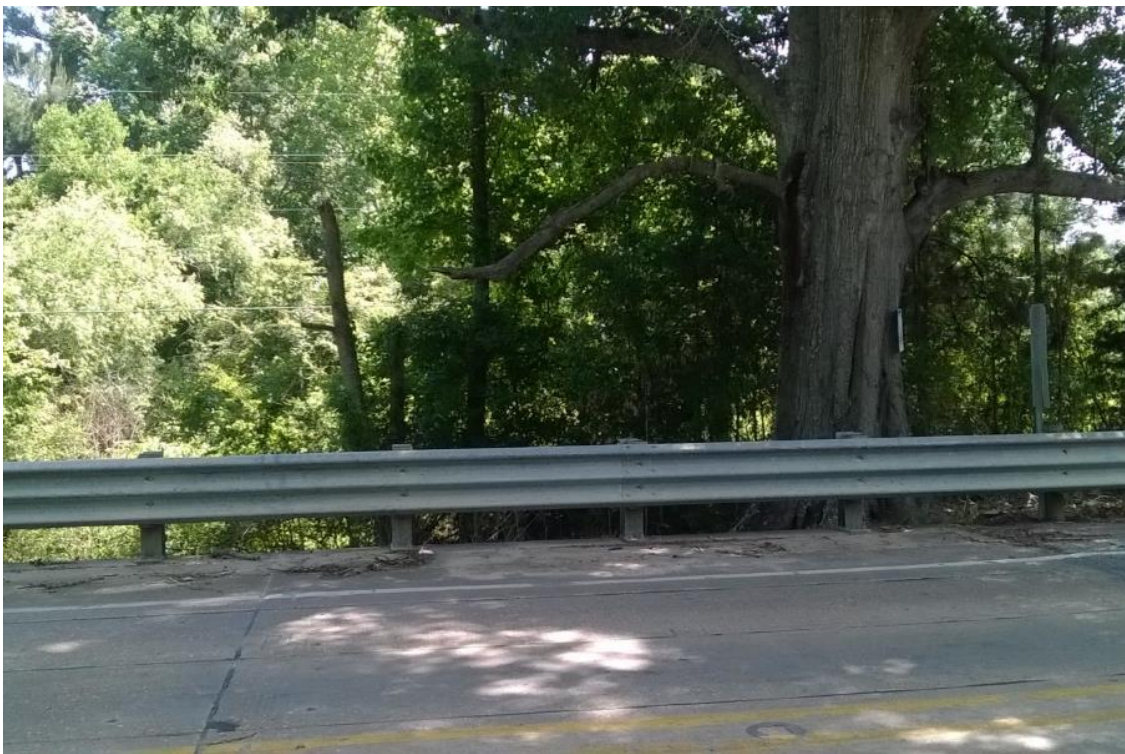


**Photo 8.** Proposed ROW behind garage on Rushing Street, facing northeast.





**Photo 9.** Bridge crossing Hurricane Creek on Rushing Street, facing northeast.



**Photo 10.** Bridge crossing where Hurricane Creek intersects with U.S. Highway 126, facing northeast.





**Photo 11.** Existing bridge over Hurricane Creek on Central Street to be replaced with a new railroad flat car bridge.



**Photo 12.** View of existing culverts along the Caldwell High School Tributary, facing northeast.





**Photo 13.** View of existing site conditions of the Caldwell High School Tributary, facing south.



**Photo 14.** Proposed ROW along the Caldwell High School Tributary from bridge on Spartan Drive, facing south.





**Photo 15.** Example of proposed ROW of Hanchey Road Tributary from Hanchey Road, facing north.



**Photo 16.** View of Hanchey Road Tributary from Hanchey Road, facing south.

## **Appendix B**

### **Site Plans**



# CALDWELL PARISH POLICE JURY

## HURRICANE CREEK DRAINAGE IMPROVEMENTS

HURRICANE CREEK DRAINAGE IMPROVEMENTS  
CALDWELL PARISH POLICE JURY

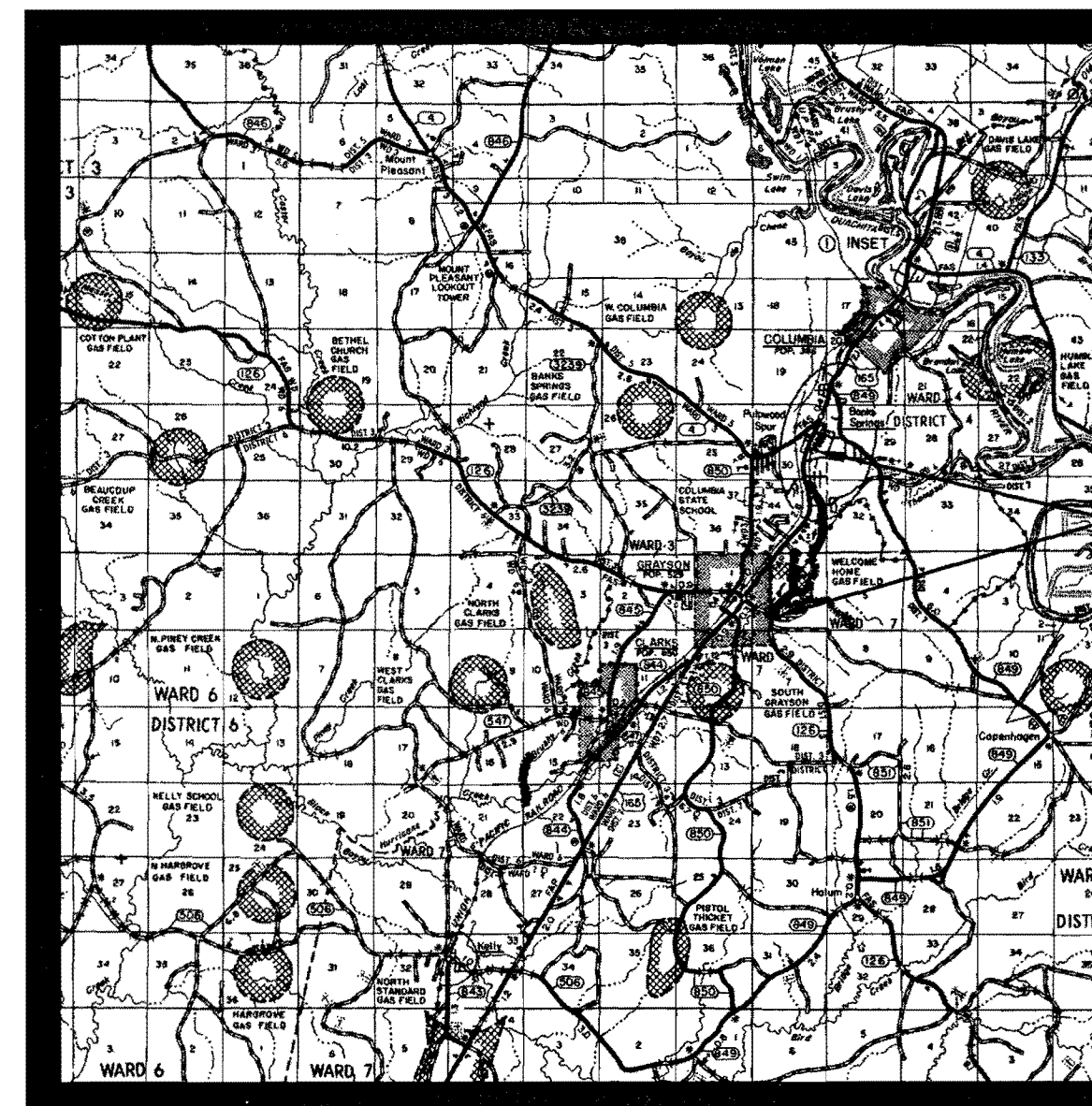
### CALDWELL PARISH POLICE JURY

PRESIDENT : MR. BEN CLARK  
VICE PRESIDENT : MR. AUBREY BRATTON  
ROAD SUPERINTENDENT : MR. TIM STAPLETON  
SECR./TREAS. : MS. WANDA STOWE  
DISTRICT 1 : MR. KENNETH "SPECK" GRAHAM  
DISTRICT 2 : MR. LANNY DARK  
DISTRICT 3 : MR. BEN CLARK  
DISTRICT 4 : MR. KEVIN MARTIN  
DISTRICT 5 : MR. MANUEL ESCALON  
DISTRICT 6 : MR. GLEN BARNHILL  
DISTRICT 7 : MR. AUBREY BRATTON

### STATE GOVERNMENT

GOVERNOR : JOHN BEL EDWARDS  
SENATOR : NEIL RISER  
REPRESENTATIVE : STEVE PYLANT  
FUNDED BY FEMA THROUGH THE GOVERNOR'S OFFICE  
OF HOMELAND SECURITY AND EMERGENCY PREPAREDNESS

CALDWELL PARISH, LOUISIANA



### VICINITY MAP

N.T.S.

APRIL, 2014

PREPARED BY

HMGP# 1603N-021-0005  
FEMA-1603-DR-LA, PROJECT #0363  
PROJECT NO.: 11-11-584E

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SCOPE OF PROJECT: HURRICANE CREEK DRAINAGE IMPROVEMENTS  
THIS PROJECT CONSIST OF CLEARING, RESHAPING, AND RECHANNELING  
14,794 L.F. OF HURRICANE CREEK AND TRIBUTARIES. INCLUDES  
REPLACEMENT OF A BRIDGE, SEVERAL CULVERTS AND RELATED WORKS.

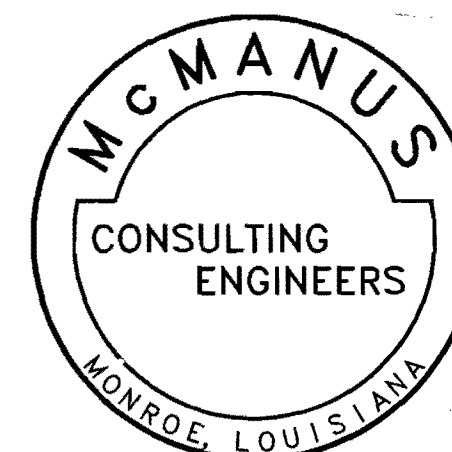
# McMANUS CONSULTING ENGINEERS, INC.

MONROE, LOUISIANA

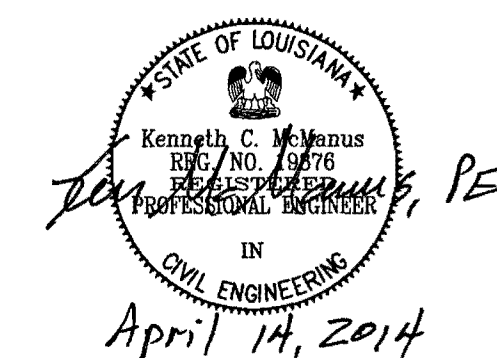
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REVISED APRIL, 2019



(N.I.C.) GENERAL NOTES

- ENGINEER MUST APPROVE CONTRACTORS CHOICE OF ALL ELECTRICAL FIXTURES AND EQUIPMENT, PLUMBING FIXTURES, PAINTING, AND/OR FINISH MATERIAL. FLOOR AND WALL COVERING, DOORS, WINDOWS, ANY ANY OTHER ITEMS PERTINENT TO THE CONSTRUCTION OF THE BUILDING WHICH WERE NOT SPECIFIED BY VENDOR/ PRODUCT NAME.
- ALL PLUMBING AND ELECTRICAL EQUIPMENT TO BE AS SPECIFIED OR EQUAL.
- PRIOR TO CONCRETE FLOOR/FOUNDATION, ENTIRE SUBGRADE TO BE TREATED FOR TERMITES BY A LICENSED EXTERMINATOR. CERTIFICATION OF TREATMENT AND EXTERMINATOR'S LICENSE SHALL BE FURNISHED TO THE PROJECT ENGINEER.
- ADA SEC. 404.2.7, DOOR HARDWARE SHALL BE SHAPED FOR EASY GRASP, WITH ONE HAND, DOES NOT REQUIRE TIGHT GRASPING, PINCHING OR TWISTING OF WRIST, LEVER-OPERATED, PUSH-TYPE AND U-SHAPE ACCEPTABLE. MOUNT NO HIGHER THAN 48" ABOVE F.F.
- LAC 55:305, INSULATION AND INSULATION ASSEMBLIES, SHALL MEET REQUIREMENTS OF SEC 719 OF 2009 IBC.
  - CONCEALED INSULATION SHALL HAVE A FLAME SPREAD OF 0-25 AND A SMOKE DEVELOPMENT OF 0-450.
- ADA SEC. 302 CONCRETE SHALL RECEIVE "LIGHT BROOM" SURFACE, SUCH THAT IT IS NON-SLIP UNDER ALL WEATHER CONDITIONS. (ALL CONCRETE SURFACES)
- ADA SEC. 303 THRESHOLDS, SHALL COMPLY WITH SAID SECTION OF THE ADA, HEIGHT SHALL NOT EXCEED 1/2" AND SHALL BE BEVELED 1:2, IF OVER 1/4" IN HEIGHT.
- 101.7-2.1.5, LOCKS ON DOORS IN MEANS OF EGRESS, SHALL NOT REQUIRE THE USE OF A KEY, SPECIAL DEVICE OR SPECIAL KNOWLEDGE TO OPEN IN THE DIRECTION OF EGRESS.
- 101:12.3.3 INTERIOR WALL AND CEILING FINISH SHALL BE IN ACCORDANCE WITH NFPA 101 SECTION 10.2
- 101:7-2 HVAC, NFPA 90A, STD. FOR THE INSTALLATION OF AIR CONDITIONING AND VENTILATING SYSTEMS, LATEST EDITION, 2-2.3 FANS, SHALL BE INSTALLED IN ACCORDANCE WITH NFPA 90A AND MANUFACTURERS INSTRUCTION; AND MAINTENANCE; INLETS AND OUTLETS SHALL BE PROTECTED WITH METAL SCREENS, FOR SAFETY AND TO PREVENT INTRODUCTION OF FOREIGN MATERIAL
- LRS 40:1653, 40:1664.4 AND 40:1628, ALL WORK AND INSPECTIONS OF FIRE ALARM, FIRE SUPPRESSION, AUTOMATIC SPRINKLER AND FIRE EXTINGUISHING SYSTEMS OR PORTABLE FIRE EXTINGUISHERS SHALL BE PERFORMED BY A STATE OF LOUISIANA CERTIFIED AGENT.
- 101.7.2.1.7 PROVIDE PANIC HARDWARE AND FIRE EXIT HARDWARE ON ALL EXTERIOR DOORS AND FIRE RATED DOORS IN THE DIRECTION OF EGRESS TRAVEL.
- 101: 12-3.3 INTERIOR WALLS AND CEILING FINISH MATERIALS SHALL BE CLASS A OR CLASS B IN ALL CORRIDORS AND LOBBIES AND HAVE A FLAME SPREAD OF 0-75 AND A SMOKE DEVELOPMENT OF 0-450.
- ADA SEC. 216.4.1 PROVIDE LOW LEVEL MOUNTED EXIT SIGNAGE IN ACCORDANCE WITH SEC. 216 AND 703 (RAISED CHARACTER, LETTER SIZE, MOUNTING) AT ALL REQUIRED EXITS.
- ADA SEC. 216.2 SIGNAGE, WHERE PROVIDED AT PERMANENT ROOMS AND SPACES AND OTHER SIGNS WHICH PROVIDE DIRECTION TO OR INFORMATION ABOUT FUNCTIONAL SPACES OF THE BUILDING, SHALL BE IN ACCORDANCE WITH ADA SEC. 703 (RAISED CHARACTER, LETTER SIZE, MOUNTING) SHALL BE PROVIDED BY THE CONTRACTOR.
- PROVIDE LANDINGS OUTSIDE EXTERIOR DOORS LEVEL WITH THE INTERIOR FLOOR. SLOPE OF LANDING SHALL NOT EXCEED 1:50.
- NFPA 10:1-6.9 TOP OF FIRE EXTINGUISHER, HAVING A GROSS WEIGHT LESS THAN 40 LB.,, SHALL BE NOT MORE THAN 5 FEET ABOVE THE FLOOR;
- ALL DOORS TO HAVE ADA COMPLIANT HARDWARE
- SUCCESSFUL CONTRACTOR TO SUBMIT FIRE MARSHAL PLANS REVIEW APPLICATION FROM A LICENSED INSTALLER, WITH CHECK FOR REVIEW FEE AND SUBMITTAL DRAWINGS FOR A COMPLETE FIRE ALARM SYSTEM.
- ☒ NEW FIRE EXTINGUISHERS TO BE ANSUL SENTRY 10 MODEL SY-1014 10-A : 60 B:C. F.E. WITH CABINET.
- THE CONTRACTOR SHALL CONTACT LOUISIANA ONE CALL AT 1-800-272-3020 BEFORE ANY CONSTRUCTION BEGINS. THE CONTRACTOR SHALL COMPLY WITH ALL PROVISIONS OF THE LOUISIANA UNDERGROUND UTILITIES AND FACILITY DAMAGE PREVENTION LAW. THE CONTRACTOR SHALL PROVIDE, UPON REQUEST ANY AND ALL PAPERWORK RELATED TO THE COMPLIANCE OF THE LOUISIANA UNDERGROUND UTILITIES AND FACILITY DAMAGE PREVENTION LAW.

CONTRACTOR TO OBTAIN ALL BUILDING PERMITS REQUIRED BY THE LOCAL JURISDICTION, PAY FOR PLAN REVIEW AND INSPECTION AND MAKE ALL ARRANGEMENTS AND DEPOSIT FEES IN THE OWNER'S NAME FOR UTILITIES ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE 2009 INTERNATIONAL BUILDING CODE, 2008 NATIONAL ELECTRIC CODE, 2009 INTERNATIONAL MECHANICAL CODE, 2009 INTERNATIONAL FUEL GAS CODE, LOUISIANA STATE PLUMBING CODE, 2000 EDITION.

THE NAME OF CERTAIN BRAND, MAKE, MANUFACTURER, OF DEFINITE SPECIFICATIONS IS TO DENOTE THE QUALITY STANDARD OF THE ARTICLE DESIRED, BUT DOES NOT RESTRICT BIDDERS TO THE SPECIFIC BRAND, MAKE, MANUFACTURER, OF SPECIFICATION NAMED. IT IS TO SET FORTH AND CONVEY TO PROSPECTIVE BIDDERS THE GENERAL STYLE, CHARACTER, AND QUALITY OF ARTICLE DESIRED

WHEN IN SPECIFICATIONS OR CONTRACT DOCUMENTS A PARTICULAR BRAND, MAKE OF MATERIAL, DEVICE, OR EQUIPMENT IS SHOWN OR SPECIFIED, SUCH BRAND, MAKE OF MATERIAL, DEVICE, EQUIPMENT SHALL BE REGARDED MERELY AS A STANDARD.
- ALL WELDING BY A CERTIFIED WELDER, MUST PRESENT CREDENTIALS. NO. OF WELD PASSES DETERMINED BY ENGINEER OR INSPECTOR.
- ~~BOLTS:~~ THERE SHALL BE FULL THREADS THROUGH BOLT AND A MIN. OF TWO (2) FULL THREADS EXPOSED AFTER TIGHTENING. ORIENT BOLTS IN SAME DIRECTION, TO THE EXTENT POSSIBLE.
- ALL CONCRETE IS POURED-IN-PLACE, UNLESS SPECIFICALLY SHOWN OTHERWISE.
- ALL FILL, AGGREGATE, ETC., BID BY THE CUBIC YARD, MUST HAVE SCALE WEIGHT TICKET AND CONVERSION NUMBER (TON/CY.).
- ALL LOCKS TO BE "KEYED-ALIKE".

GENERAL NOTES (DISTRIBUTION)

THESE NOTES SHALL APPLY TO ALL SHEETS OF THESE PLANS.

- ALL LINES WILL BE PLACED WITHIN EXISTING ROAD R.O.W. FOR STATE HIGHWAYS, THE LINES SHALL BE PLACED WITHIN 5 FEET OF THE R.O.W. LINE. THE OWNER SHALL OBTAIN THE NECESSARY PERMITS. THE CONTRACTOR ~~WILL~~ BE REQUIRED TO POST BOND WITH THE OFFICE OF HIGHWAYS AND/OR COUNTY (AS REQ'D).
- ALL UTILITIES ARE NOT NECESSARILY SHOWN AND NEITHER THE ENGINEER NOR THE OWNER GUARANTEES ANY ACCURACY OR COMPLETENESS AS TO THE LOCATION OR EXISTENCE OF ANY UTILITY. THE CONTRACTOR'S ATTENTION IS CALLED TO THE SPECIAL CONDITIONS CONCERNING UTILITIES.
- FITTINGS FOR PVC PIPE TWO INCHES (2"Ø) AND SMALLER MAY BE PVC FITTINGS. THREE INCHES (3"Ø) AND LARGER SHALL BE D.I. NO SEPARATE PAY ITEM.
- LENGTHS OF BORINGS SHOWN ON PLANS ARE APPROXIMATE. LENGTH OF BORE FOR ROAD CROSSING SHALL BE FROM TOE OF FORESLOPE TO TOE OF FORESLOPE, AND SHALL BE AS APPROVED BY THE ENGINEER.
- WHERE WATER MAINS ARE TO BE INSTALLED WITHIN CASING, PAYMENT SHALL BE MADE FOR QUANTITY OF CARRIER PIPE INSTALLED PLUS QUANTITY OF CASING INSTALLED.
- WATER LINES CROSSING HARD SURFACED STREETS, HIGHWAYS, ROADS, GRAVEL ROADS, PAVE DRIVEWAYS, ETC. SHALL BE JACKED AND BORED.
- WATER LINES CROSSING GRAVEL DRIVEWAYS MAY BE INSTALLED BY TRENCHING.
- THE CONTRACTOR SHALL MAINTAIN DRAINAGE THROUGH ALL DRAINAGE STRUCTURES, CULVERTS, DITCHES, WATER COURSES, ETC., AFFECTED BY THE INSTALLATION OF WATER LINES. THE CONTRACTOR SHALL RESTORE ALL SUCH DRAINAGE STRUCTURES, CULVERTS, DITCHES, ETC., TO THEIR ORIGINAL CONDITION.
- THE CONTRACTOR SHALL MAINTAIN TEMPORARY FENCING AS REQUIRED.
- THE CONTRACTOR SHALL RESTORE TO THEIR ORIGINAL CONDITION ANY PERSONAL OR PUBLIC PROPERTY DISTURBED BY HIS OPERATION.
- THE CONTRACTOR ~~MAY~~ REQUEST A PLAN CHANGE FOR RE-ROUTING REQUIRED WATER LINES TO AVOID CONFLICTS WITH EXISTING UNDERGROUND STRUCTURES. THE ENGINEER SHALL BE THE SOLE JUDGE IN APPROVING CHANGES. WHERE SUCH CHANGES ARE APPROVED FOR THE CONTRACTOR'S CONVENIENCE, THERE SHALL BE NO ADDITIONAL COST TO THE OWNER.
- THE CONTRACTOR SHALL COORDINATE HIS ACTIVITIES WITH THE OWNER SUPERINTENDENT TO KEEP OUTAGES TO A MINIMUM 2 HOURS DURATION AND LOW FREQUENCY. THE OWNER RESERVES THE RIGHT TO PROHIBIT AN OUTAGE, IF SUCH WILL CAUSE A MAJOR DISRUPTION TO BUSINESS, SCHOOLS, OR FOR OTHER REASONS.
- TYPICAL WATER METER LOCATIONS SHALL BE ON THE CUSTOMER'S PRIVATE PROPERTY WITHIN THREE FOOT (3') OF THE ROAD RIGHT-OF-WAY. EXACT METER LOCATION SHALL BE AS DIRECTED BY THE ENGINEER.
- ALL PIPE TO BE JACKED AND BORED BENEATH PAVEMENT SHALL BE CLASS 200 PVC IN FORTY FOOT (40') JOINTS AND SHALL BE CENTERED WITH RESPECT TO THE CENTERLINE OF THE ROAD, AND NO JOINT SHALL BE ALLOWED BENEATH THE SURFACING; SEE PLANS & BID FORM.
- A METALLIC LOCATOR WIRE WILL BE REQUIRED FOR ALL NONMETALLIC PIPE AND THE PRICE WILL BE INCLUDED IN THE COST OF THE OTHER ITEMS OF WORK.
- ALL FLUSH VALVES WILL BE OFFSET OR OTHERWISE LOCATED SO AS NOT TO BE LOCATED IN ANY ROAD DITCH OR OTHER UNSUITABLE PLACE AND SHALL, TO THE EXTENT POSSIBLE, BE LOCATED ADJACENT TO FENCES, POWER POLES OR OTHER SIMILAR ITEMS.
- ALL VALVES, FIRE HYDRANTS, ETC., SHALL BE LOCATED IN A SUITABLE PLACE AND IN NO CASE SHALL THEY BE LOCATED IN THE SHOULDER OF THE ROAD OR IN THE DITCH AND SHALL GENERALLY BE PLACED OUTSIDE THE BACK SLOPE OF THE ROAD DITCHES.
- ALL PIPE TO BE LAID IN DITCHES OR CROSSING DITCHES SHALL BE BURIED A MINIMUM 36" BELOW THE BOTTOM OF THE DITCH.
- PIPE SHALL BE LAID A MINIMUM 10 FEET FROM ANY PARALLEL SEWER GRAVITY LINE OR FORCE MAIN.
- PIPE SHALL BE LAID WITH A MINIMUM 18 INCHES CLEARANCE FROM ANY CROSSING SEWER GRAVITY LINE OR FORCE MAIN.
- MINIMUM COVER 30" FROM GROUND SURFACE TO TOP OF WATER MAINS, OR AS SHOWN ON PLANS.
- WATER FROM NEW, REPAIRED OR DEPRESSURIZED WATER MAINS AND WATER SERVICE LINES SHALL NOT BE FURNISHED FOR THE PUBLIC'S USE UNTIL WATER SAMPLES COLLECTED AND ANALYZED BY THE HEALTH DEPARTMENT SHOW THE WATER TO BE FREE OF COLIFORM BACTERIA.
- STATE SANITARY CODE REQUIRES NEW, REPAIRED OR DEPRESSURIZED WATER MAINS AND WATER SERVICE LINES TO BE DISINFECTED WITH A CHLORINE SOLUTION OF AT LEAST 50 PPM FOR AT LEAST THREE (3) HOURS AND PREFERABLY LONGER. A CHLORINE RESIDUAL OF AT LEAST FIVE (5) PPM SHALL BE PRESENT AFTER THE REQUIRED RETENTION TIME.
- THIS SHALL BE APPLICABLE FOR ALL YARD PIPING, PLANT PIPING, TANKS, WELLS OR ANY OTHER TYPE OF PIPING.
- SEC. 5.1 TABLET METHOD, HEREIN, DOES NOT MEET APPLICABLE SANITARY CODE CRITERIA NOTED ABOVE AND SHALL NOT BE USED.
- AWWA SECTION 5.2, CONTINUOUS-FEED METHOD DOES NOT MEET APPLICABLE LOUISIANA STATE SANITARY CODE ~~FOR~~ DISINFECTION OF MAINS AND LINES.
- NO WELL, TANK, WATER MAIN OF FACILITY SHALL BE USED FOR PUBLIC WATER SUPPLY USAGE UNTIL AFTER A NEGATIVE HEALTH TEST IS OBTAINED FROM THE PARISH SANITARIAN AND A COPY PRESENTED TO THE OWNER AND ENGINEER.
- THE ENGINEER WILL NOT TALK TO OR ANSWER QUESTIONS FROM ANY SUBCONTRACTOR, MATERIAL SUPPLIER, TRADE OR SUPERINTENDENT. ANY QUESTION THAT ANYONE HAS MUST BE COMMUNICATED TO THE PRIME'S OFFICE AND PLACED IN WRITING TO ME. I SHALL RESPOND IN WRITING TO THE PRIME CONTRACTOR. THE SUB, SUPPLIER OR TRADE MUST EXPLAIN HIS POSITION, QUESTION AND WHAT CHANGE HE DESIRES OR RECOMMENDS IN GREAT DETAIL. SHOULD HE HAVE A "CODE" QUESTION, HE MUST CITE THE CODE IN QUESTION AND WHY HE BELIEVES A CHANGE IS NECESSARY AND HOW IT WILL CAUSE COMPLIANCE WITH SUCH CODE.



REVISIONS <span>△</span>			GENERAL NOTES 1		
ENGINEER	DRAWN BY	DATE	HORIZ. SCALE	DRAWN BY	PROJECT NO.
			N.T.S.	C.GOODING	11-11-584E
			VERT. SCALE	DATE	FILE NAME
			N/A	04/11/14	GENERAL-A
HURRICANE CREEK DRAINAGE IMPROVEMENTS					
CALDWELL PARISH POLICE JURY					DRAWING NUMBER
					A



GENERAL NOTES

1. ENGINEER MUST APPROVE CONTRACTORS CHOICE OF ALL EQUIPMENT, PAINTING, AND/ OR FINISH MATERIAL, OR ANY OTHER ITEMS PERTINENT TO THE CONSTRUCTION WHICH WERE NOT SPECIFIED BY VENDOR/ PRODUCT NAME.
2. THE CONTRACTOR SHALL CONTACT LOUISIANA ONE CALL AT 1-800-272-3020 BEFORE ANY CONSTRUCTION BEGINS. THE CONTRACTOR SHALL COMPLY WITH ALL PROVISIONS OF THE LOUISIANA UNDERGROUND UTILITIES AND FACILITY DAMAGE PREVENTION LAW. THE CONTRACTOR SHALL PROVIDE, UPON REQUEST ANY AND ALL PAPERWORK RELATED TO THE COMPLIANCE OF THE LOUISIANA UNDERGROUND UTILITIES AND FACILITY DAMAGE PREVENTION LAW.

CONTRACTOR TO OBTAIN ALL PERMITS REQUIRED BY THE LOCAL JURISDICTION. PAY FOR PLAN REVIEW AND INSPECTION. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE 2009 INTERNATIONAL BUILDING CODE.

THE NAME OF CERTAIN BRAND, MAKE, MANUFACTURER, OF DEFINITE SPECIFICATIONS IS TO DENOTE THE QUALITY STANDARD OF THE ARTICLE DESIRED, BUT DOES NOT RESTRICT BIDDERS TO THE SPECIFIC BRAND, MAKE, MANUFACTURER, OF SPECIFICATION NAMED. IT IS TO SET FORTH AND CONVEY TO PROSPECTIVE BIDDERS THE GENERAL STYLE, CHARACTER, AND QUALITY OF ARTICLE DESIRED

WHEN IN SPECIFICATIONS OR CONTRACT DOCUMENTS A PARTICULAR BRAND, MAKE OF MATERIAL, DEVICE, OR EQUIPMENT IS SHOWN OR SPECIFIED, SUCH BRAND, MAKE OF MATERIAL, DEVICE, EQUIPMENT SHALL BE REGARDED MERELY AS A STANDARD.

3. ALL WELDING BY A CERTIFIED WELDER. MUST PRESENT CREDENTIALS. NO. OF WELD PASSES DETERMINED BY ENGINEER OR INSPECTOR.
4. BOLTS: THERE SHALL BE FULL THREADS THROUGH BOLT AND A MIN. OF TWO (2) FULL THREADS EXPOSED AFTER TIGHTENING. ORIENT BOLTS IN SAME DIRECTION, TO THE EXTENT POSSIBLE.
5. ALL CONCRETE IS POURED-IN-PLACE, UNLESS SPECIFICALLY SHOWN OTHERWISE.
6. ALL FILL, AGGREGATE, ETC., BID BY THE CUBIC YARD, MUST HAVE SCALE WEIGHT TICKET AND CONVERSION NUMBER (TON/CY.).
7. ALL LOCKS ON GATES TO BE "KEYED-A-LIKE".
8. THE CONTRACTOR SHALL PROVIDE AN ON-SITE PROJECT OFFICE, COMPLETE WITH LIGHTS, ELECTRICITY (GENERATOR), WORK TABLES/ DESKS, FURNISHINGS, AIR CONDITIONING, HEAT, ONE (1) OR MORE WINDOWS, ONE (1) OR MORE DOORS, MINIMUM OF 160 SQUARE FEET, STEPS, LANDING AND RELATED ITEMS, SUITABLE FOR MEETINGS, PLAN REVIEW AND OTHER BUSINESS AS MAY BE REQUIRED. BATHROOM FACILITIES ARE NOT REQUIRED.
9. THE ENGINEER WILL NOT TALK TO OR ANSWER QUESTIONS FROM ANY SUBCONTRACTOR, MATERIAL SUPPLIER, TRADE OR SUPERINTENDENT. ANY QUESTION THAT ANYONE HAS MUST BE COMMUNICATED TO THE PRIME'S OFFICE AND PLACED IN WRITING TO ME. I SHALL RESPOND IN WRITING TO THE PRIME CONTRACTOR. THE SUB, SUPPLIER OR TRADE MUST EXPLAIN HIS POSITION, QUESTION AND WHAT CHANGE HE DESIRES OR RECOMMENDS IN GREAT DETAIL. SHOULD HE HAVE A "CODE" QUESTION, HE MUST CITE THE CODE IN QUESTION AND WHY HE BELIEVES A CHANGE IS NECESSARY AND HOW IT WILL CAUSE COMPLIANCE WITH SUCH CODE.

GENERAL NOTES (EXISTING UTILITIES)

THESE NOTES SHALL APPLY TO ALL SHEETS OF THESE PLANS.

1. ALL UTILITIES ARE NOT NECESSARILY SHOWN AND NEITHER THE ENGINEER NOR THE OWNER GUARANTEES ANY ACCURACY OR COMPLETENESS AS TO THE LOCATION OR EXISTENCE OF ANY UTILITY. THE CONTRACTOR'S ATTENTION IS CALLED TO THE SPECIAL CONDITIONS CONCERNING UTILITIES.
2. THE CONTRACTOR SHALL MAINTAIN DRAINAGE THROUGH ALL DRAINAGE STRUCTURES, CULVERTS, DITCHES, WATER COURSES, ETC., AFFECTED BY CONSTRUCTION. THE CONTRACTOR SHALL RESTORE ALL SUCH DRAINAGE STRUCTURES, CULVERTS, DITCHES, ETC., TO THEIR ORIGINAL CONDITION.
3. THE CONTRACTOR SHALL MAINTAIN TEMPORARY FENCING AS REQUIRED.
4. THE CONTRACTOR SHALL RESTORE TO THEIR ORIGINAL CONDITION ANY PERSONAL OR PUBLIC PROPERTY DISTURBED BY HIS OPERATION.
5. THE CONTRACTOR MAY REQUEST A PLAN CHANGE FOR RE-ROUTING CREEK TO AVOID CONFLICTS WITH EXISTING UNDERGROUND STRUCTURES. THE ENGINEER SHALL BE THE SOLE JUDGE IN APPROVING CHANGES. WHERE SUCH CHANGES ARE APPROVED FOR THE CONTRACTOR'S CONVENIENCE, THERE SHALL BE NO ADDITIONAL COST TO THE OWNER.
6. THE CONTRACTOR SHALL COORDINATE HIS ACTIVITIES WITH THE OWNER SUPERINTENDENT TO KEEP OUTAGES TO A MINIMUM 2 HOURS DURATION AND LOW FREQUENCY. THE OWNER RESERVES THE RIGHT TO PROHIBIT AN OUTAGE, IF SUCH WILL CAUSE A MAJOR DISRUPTION TO BUSINESS, SCHOOLS, OR FOR OTHER REASONS.

SITE WORK NOTES

1. CONTRACTOR SHALL REMOVE OR RELOCATE ALL OBSTRUCTIONS WHICH MAY INTERFERE WITH LOCATION OF IMPROVEMENTS AS INDICATED ON SITE PLAN.
2. CONTRACTOR SHALL VISIT THE SITE PRIOR TO ISSUING A BID PROPOSAL.
3. REMOVE SURFACE VEGETATION AND WASTE 6" TO 8". THE EXPOSED SURFACE TO RECEIVE FILL SHALL BE SCARIFIED TO A MIN. OF EIGHT INCHES. THE MOISTURE ADJUSTED TO WITHIN ONE PERCENT BELOW TO THREE PERCENT ABOVE OPTIMUM AND RECOMPACTED TO A MINIMUM OF NINETY FIVE PERCENT OF THE STANDARD PROCTOR (ASTM D-698) DENSITY.
4. PLACE SUBSEQUENT LIFTS ON SELECT FILL IN 6" LIFTS AND COMPACT TO A MIN. OF NINETY FIVE PERCENT MAXIMUM DENSITY. ALL SELECT FILL SHOULD BE A SANDY CLAY WITH A LIQUID LIMIT NO GREATER THAN THIRTY FIVE AND A PLASTICITY INDEX RANGING BETWEEN FIVE AND EIGHTEEN.
5. THE CONTRACTOR MAY USE NORMAL DRY WEATHER WATER LEVELS AND A COMBINATION OF COFFER DAMS, EARTH DAMS OR OTHER METHODS OF DEWATERING THE CONSTRUCTION SITE. THERE IS NO SPECIAL PAYMENT FOR THIS WORK.
6. CONTRACTOR SHALL BUILD COFFER DAM ON UPSTREAM SIDE OF CONSTRUCTION IN A SUFFICIENT LOCATION AS TO CONSTRUCT IMPROVEMENTS. CONTRACTOR SHALL BE PREPARED TO PUMP WATER AS NEEDED DURING CONSTRUCTION.
7. CONTRACTOR TO INSTALL TURBIDITY BARRIERS DOWNSTREAM OF CONSTRUCTION. NO DISCHARGE OF SEDIMENT WILL BE ALLOWED OUTSIDE OF THE LIMITS OF DISTURBANCE. TURBIDITY BARRIERS SHALL EITHER BE THE STAKED SILT BARRIER OR TYPE III SILT BARRIER PER GRANITE ENVIRONMENTAL OR SIMILAR. THE TYPE OF BARRIER DEPENDS ON THE DEPTH OF THE WATER IN THE CREEK. AS CONSTRUCTION CONTINUES UPSTREAM AND AREAS ARE CONSIDERED FINALLY STABILIZED, BARRIER MAY BE RELOCATED CLOSER TO CONSTRUCTION UPSTREAM. CONTRACTOR TO MAINTAIN BARRIER.
8. BEDDING MATERIAL FOR CULVERT SHALL CONFORM TO LA DOTD SPECIFICATION SECTION 1003.08. BEDDING INSTALLATION AND BACKFILL SHALL CONFORM TO LA DOTD SPECIFICATION SECTION 701 AND LA DOTD STANDARD DETAIL BM-01.
9. RIP RAP MUST CONFORM TO LA DOTD SPECIFICATION SECTION 711. EVERY EFFORT SHALL BE MADE TO PLACE RIP RAP SUCH THAT PIECES LIE FLAT. IN NO CASES SHALL PIECES BE PLACED ON SIDES OR EDGES.
10. THE CONTRACTOR SHALL REMOVE THE EXISTING DRAINAGE PIPES, DEBRIS, EXCESS SEDIMENT, TREES AND BRUSH AND DISPOSE OF IT PROPERLY, OFF-SITE.
11. SEDIMENT REMOVED FROM THE CREEK WILL BE DISPOSED OF AT A PERMITTED OFF-SITE FACILITY OWNED BY THE POLICE JURY.
12. PROPERTY LINES SHOWN ON PROPERTY OWNERSHIP DRAWINGS ARE IN APPROXIMATE LOCATIONS.
13. LIMITS OF DISTURBANCE LINES ARE SHOWN ON PLANS. ANY WORK PERFORMED OUTSIDE OF LIMITS OF DISTURBANCE WILL BECOME THE CONTRACTOR'S LIABILITY AND PAYMENT RESPONSIBILITY TO REPAIR AND RETURN PROPERTY BACK TO ORIGINAL CONDITION.
14. CONTRACTOR SHALL INSTALL EROSION CONTROL BLANKETS, MATS, AND SEEDING WITHIN 2 DAYS OF BRINGING AREA OF CONSTRUCTION UP TO FINAL GRADE. CREEK BANKS MUST BE STABILIZED AS SOON AS POSSIBLE TO PREVENT EROSION ISSUES.
15. GRAPHICAL LOCATIONS OF TBMS ARE IN APPROXIMATE LOCATION. REFER TO GPS COORDINATES FOR LOCATION.

CONTRACTOR'S UNDERSTANDING:

IT IS UNDERSTOOD AND MUTUALLY AGREED THAT BY SUBMITTING A PROPOSAL, THE CONTRACTOR ACKNOWLEDGES THAT HE HAS CAREFULLY EXAMINED ALL DOCUMENTS PERTAINING TO THE WORK, THE LOCATION, ACCESSIBILITY, AND GENERAL CHARACTER OF THE SITE OF THE WORK AND ALL EXISTING BUILDINGS AND STRUCTURES WITHIN OR ADJACENT TO THE SITE, AND HAS SATISFIED HIMSELF AS TO THE NATURE OF THE WORK, THE CONDITION OF EXISTING BUILDINGS AND STRUCTURES, THE CONFORMATION OF THE GROUND, THE CHARACTER, QUALITY AND QUANTITY OF THE MATERIAL TO BE ENCOUNTERED, THE CHARACTER OF THE EQUIPMENT, MACHINERY, PLANT, AND ANY OTHER FACILITIES NEEDED PRELIMINARY TO AND DURING PROSECUTION OF THE WORK, THE GENERAL AND LOCAL CONDITIONS, THE CONSTRUCTION HAZARDS, AND ALL OTHER MATTERS WHICH CAN IN ANY WAY AFFECT THE WORK UNDER THE CONTRACT. IT IS FURTHER MUTUALLY AGREED THAT BY SUBMITTING A PROPOSAL THE CONTRACTOR ACKNOWLEDGES THAT HE HAS SATISFIED HIMSELF AS TO THE CORRECTNESS OF THE PLANS, DRAWINGS, SPECIFICATIONS, AND OTHER CONTRACT DOCUMENTS FOR THE CONSTRUCTION OF THE WORK AND HE ACCEPTS ALL THE TERMS AND STIPULATIONS CONTAINED THEREIN; AND THAT HE IS PREPARED TO WORK IN PEACE AND HARMONY, WITH OTHER CONTRACTORS PERFORMING WORK ON THE SITE, AND ON HIS CONTRACT, IF NO OTHER CONTRACTORS ARE PRESENT.

NO VERBAL AGREEMENT OR CONVERSATION WITH ANY OFFICER, AGENT, OR EMPLOYEE OF THE OWNER OR OF THE ENGINEER, OR WITH THE OWNER HIMSELF, EITHER BEFORE OR AFTER THE EXECUTION OF THE CONTRACT, SHALL AFFECT OR MODIFY ANY OTHER TERMS, CONDITIONS, OR OTHER OBLIGATIONS SET FORTH IN ANY OF THE CONTRACT DOCUMENTS.

THE CONTRACTOR SHALL ABSOLUTELY NOT PERFORM OR CONDUCT ANY WORK IN THE ABSENCE OF THE PROJECT REPRESENTATIVE. IF ANY SUCH WORK IS PERFORMED WITHOUT INSPECTION, SAID WORK SHALL BE DEEMED UNACCEPTABLE AND WILL NOT BE APPROVED FOR PAYMENT. SPECIAL ARRANGEMENTS MUST BE MADE TO PERFORM ANY WORK IN THE ABSENCE OF THE PROJECT REPRESENTATIVE. IF THE CONTRACTOR INDICATES HE SHALL WORK ON ANY GIVEN DATE, THEN DOES NOT SHOW UP, AT THE JOB SITE, THEREBY CAUSING THE INSPECTOR TO NEEDLESSLY TRAVEL TO THE JOB SITE, THE CONTRACTOR SHALL BE CHARGED THE PER DAY RATE PAID FOR INSPECTION.

ALL COMPONENTS, PIECES, PARTS, UNITS, MATERIALS, PRODUCTS OR ANY OTHER ITEM USED IN OR FOR THE CONSTRUCTION OF THIS PROJECT SHALL BE LESS THAN SIXTY (60) DAYS OLD; MANUFACTURED; DATED OR CERTIFIED TO HAVE BEEN MADE OR MANUFACTURED WITHIN THE PRECEDING SIXTY (60) DAY PERIOD PRIOR TO USE OR INSTALLATION.

NO COMPONENT, PIECE, PART, UNIT, MATERIAL, PRODUCT OR ITEM SHALL BE USED, PLACED OR INSTALLED ON THIS PROJECT THAT WAS MOVED FROM A PRIOR PROJECT OR JOB. ALL ITEMS TO BE NEW.

CONSTRUCTION WATER:

THE CONTRACTOR CAN NOT ASSUME WATER WILL BE AVAILABLE ON-SITE FOR CONSTRUCTION ACTIVITIES. HE MUST CONSIDER OBTAINING NECESSARY WATER FROM OTHER SOURCES. ANY WATER USED DURING CONSTRUCTION, TESTING, START-UP, CLEAN-UP, FLUSHING OR ANY OTHER ACTIVITY SHALL BE PAID FOR AT THE SYSTEM'S BULK WATER RATE PER THOUSAND GALLONS, USED, METERED BY A TEMPORARY METER SUPPLIED AND INSTALLED BY THE CONTRACTOR. HE SHALL MAKE ARRANGEMENTS FOR AND RECEIVE PERMISSION FROM THE SYSTEM PRIOR TO OBTAINING ANY WATER.

MATERIAL SUBMITTALS

THE CONTRACTOR IS REQUIRED TO SPECIFICALLY HIGHLIGHT, CALL OUT OR OTHERWISE DISTINGUISH ANY DIFFERENCES IN HIS SUBMITTAL AND THE PLANS AND SPECIFICATIONS.

DO NOT SEND GENERIC OR MULTIPLE LISTINGS, ON A SINGLE PAGE, AND NOT UNDERLINE, HIGHLIGHT OR ARROW THE SPECIFIC PRODUCT OR COMPONENT.

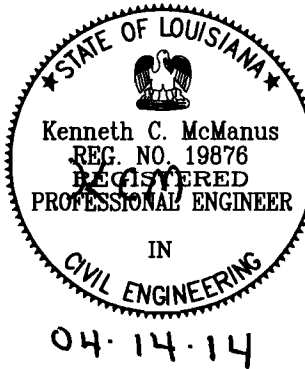
SHOULD THE CONTRACTOR FAIL TO PERFORM THE ABOVE IT CAN VOID THE ENGINEERS APPROVAL.

EXAMPLE: THE PLANS CALL FOR A 20 H.P., 3500 RPM, 200 GPM, SUBMERSIBLE, 3", HG200 SEWER PUMP.

THE SUBMITTAL IS FOR A 20 H.P., 1750 RPM, 200 GPM, SUBMERSIBLE, 3" HG150 SEWER PUMP.

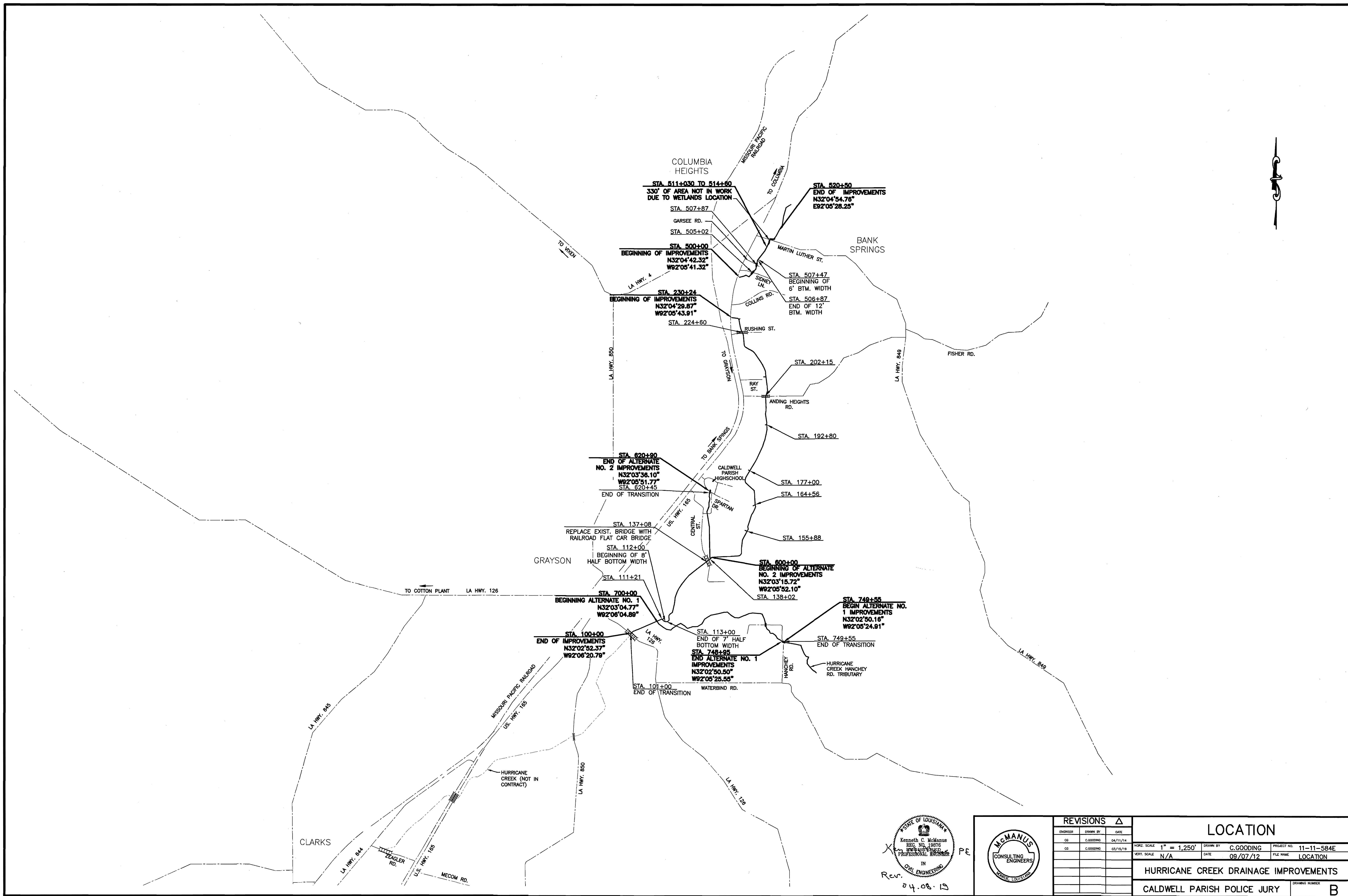
THE CONTRACTOR MUST DRAW SPECIFIC ATTENTION TO THE DIFFERENCE IN RPM AND MODEL NO.

- a. MATERIAL SUBMITTALS WILL NOT BE ACCEPTED IN ELECTRONIC FORM. CONTRACTOR MUST SUBMIT A MINIMUM OF FIVE (5) PAPER SETS. DO NOT ALLOW SUPPLIERS TO SUBMIT DIRECTLY TO THE ENGINEER.
- b. MATERIALS ARE SELECTED BY THE CONTRACTOR AND/ OR SUPPLIER. SUBMITTALS ARE PREPARED AND SEND TO THE ENGINEER BY THE CONTRACTOR. THE CONTRACTOR SELECTS AND SUBMITS, TO THE ENGINEER, THOSE MATERIALS AND PRODUCTS THAT HE FEELS MEETS THE PLANS AND SPECIFICATIONS. THE ENGINEER CAN CONCUR IN THE CONTRACTOR'S CHOICE OR REJECT THE CONTRACTOR'S SELECTION. ANY PRODUCT OR ITEM, THAT IS DIFFERENT FROM WHAT IS SPECIFIED ON THE PLANS OR IN THE SPECIFICATIONS IS THE CONTRACTOR'S CHOICE, NOT THE ENGINEERS.

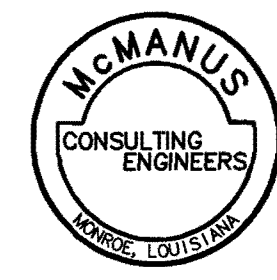


	REVISIONS $\Delta$			GENERAL NOTES 2					
	ENGINEER	DRAWN BY	DATE						
				HORIZ. SCALE	N.T.S.	DRAWN BY	C.GOODING	PROJECT NO.	11-11-584E
				VERT. SCALE	N/A	DATE	04/11/14	FILE NAME	GENERAL-B
HURRICANE CREEK DRAINAGE IMPROVEMENTS									
CALDWELL PARISH POLICE JURY							DRAWING NUMBER		A1





Rev. 04.08.15



McMANUS  
CONSULTING  
ENGINEERS  
LOUISIANA

REVISIONS

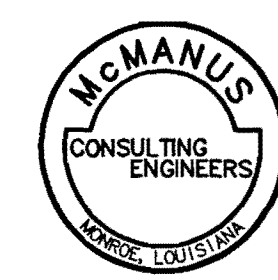
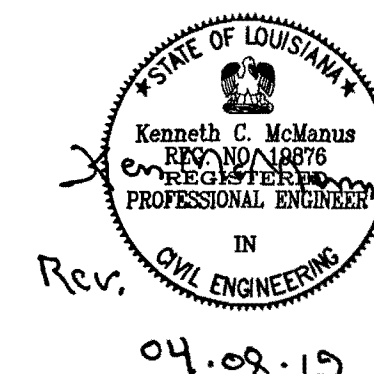
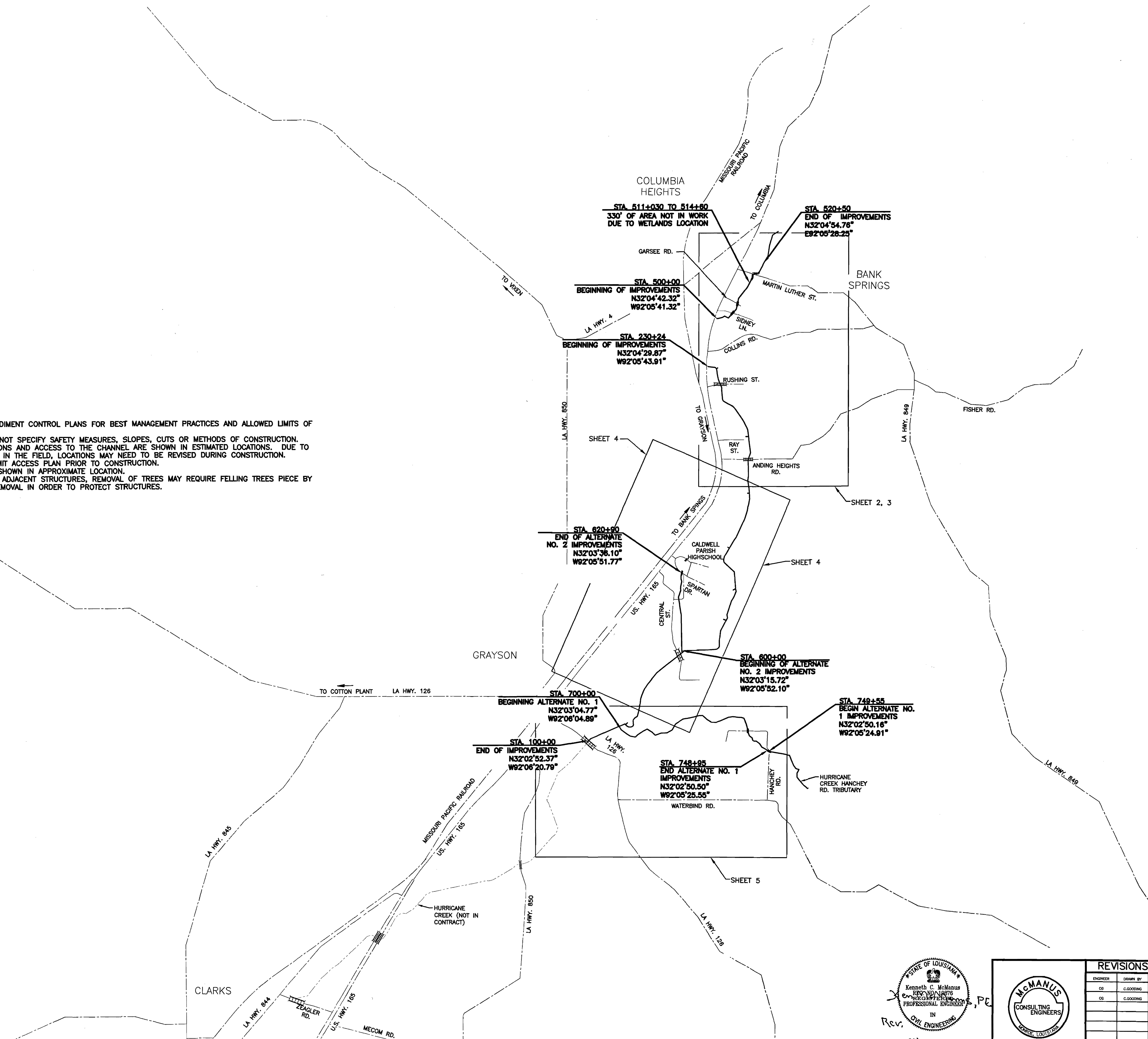
NO.	DESCRIPTION	DATE
1	ISSUED FOR PERMIT	04/11/14
2	REVISED	03/15/15

STATE OF LOUISIANA

Kenneth C. McManus  
REG. NO. 10876  
PE  
IN  
CIVIL ENGINEERING

LOCATION	
PROJECT NO.	FILE NAME
11-11-584E	LOCATION
HURRICANE CREEK DRAINAGE IMPROVEMENTS	
CALDWELL PARISH POLICE JURY	
DRAWING NUMBER	B

- NOTES:
1. SEE EROSION AND SEDIMENT CONTROL PLANS FOR BEST MANAGEMENT PRACTICES AND ALLOWED LIMITS OF DISTURBANCES.
  2. THE ENGINEER DOES NOT SPECIFY SAFETY MEASURES, SLOPES, CUTS OR METHODS OF CONSTRUCTION.
  3. ACCESS ROAD LOCATIONS AND ACCESS TO THE CHANNEL ARE SHOWN IN ESTIMATED LOCATIONS. DUE TO EXISTING STRUCTURES IN THE FIELD, LOCATIONS MAY NEED TO BE REVISED DURING CONSTRUCTION. CONTRACTOR TO SUBMIT ACCESS PLAN PRIOR TO CONSTRUCTION.
  4. LOCATION OF CREEK SHOWN IN APPROXIMATE LOCATION.
  5. DUE TO LOCATION OF ADJACENT STRUCTURES, REMOVAL OF TREES MAY REQUIRE FELLING TREES PIECE BY PIECE WITH CRANE REMOVAL IN ORDER TO PROTECT STRUCTURES.



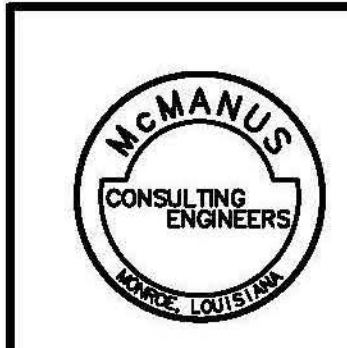
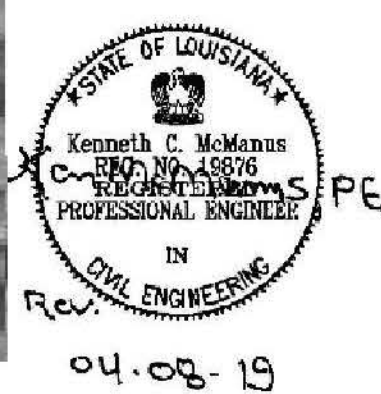
REVISIONS		
ENGINEER	DESIGN BY	DATE
CG	C.GOODING	04/11/14
CG	C.GOODING	03/15/19

INDEX - OVERALL IMPROVEMENT PLAN SHEETS			
HORIZ. SCALE	1" = 1,250'	DRAWN BY	C.GOODING
VERT. SCALE	N/A	DATE	04/11/14
PROJECT NO.		11-11-584E	
FILE NAME		LOCATION	
HURRICANE CREEK DRAINAGE IMPROVEMENTS			
Caldwell Parish Police Jury			DRAWING NUMBER
			1





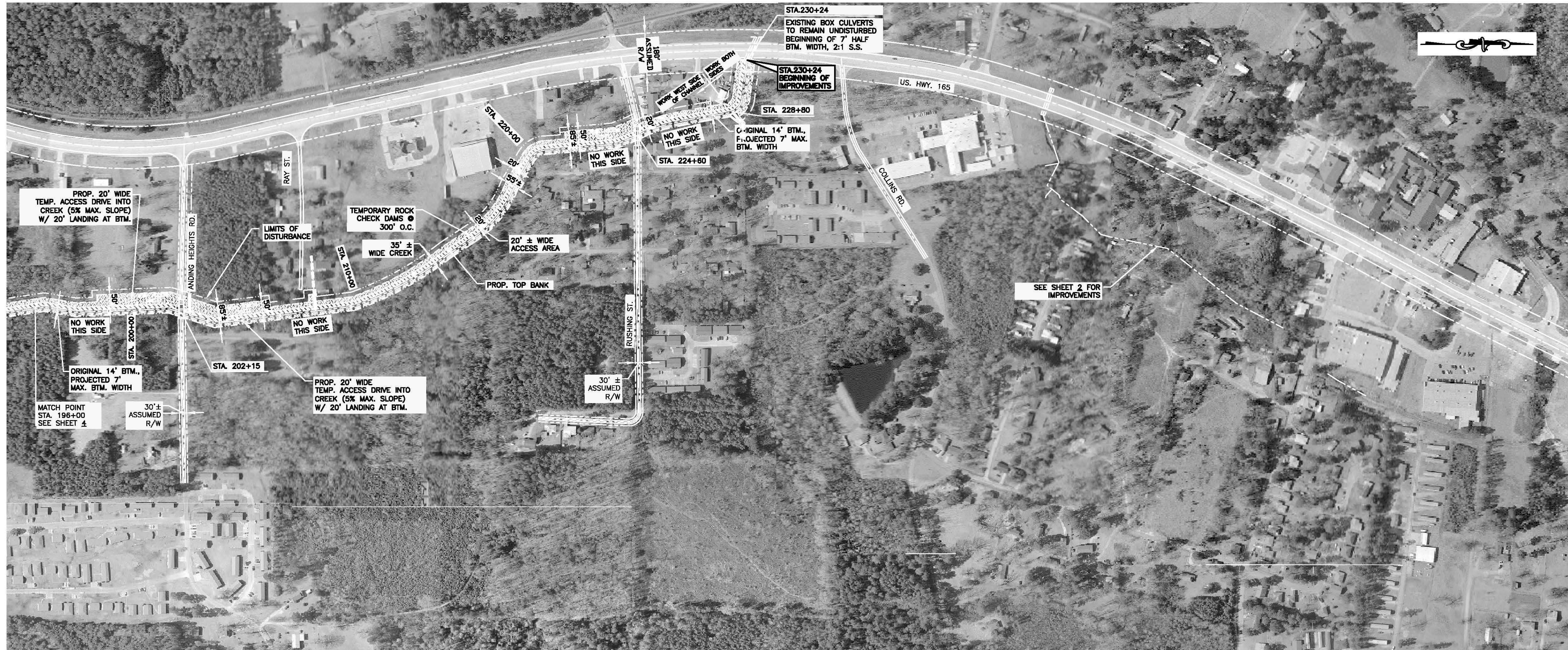
LEGEND	
	CENTER LINE OF CREEK
	CENTER LINE OF ROAD
	ASSUMED R/W
	EXISTING CREEK ALIGNMENT/TOE OF SLOPE
	EXISTING CREEK TOP BANK
	PROPOSED CREEK TOE OF SLOPE
	PROPOSED CREEK TOP BANK
	PROPOSED RIP RAP
	LIMITS OF DISTURBANCE
	TEMPORARY SILT FENCE
	EROSION BLANKETS
	ACCESS ROAD



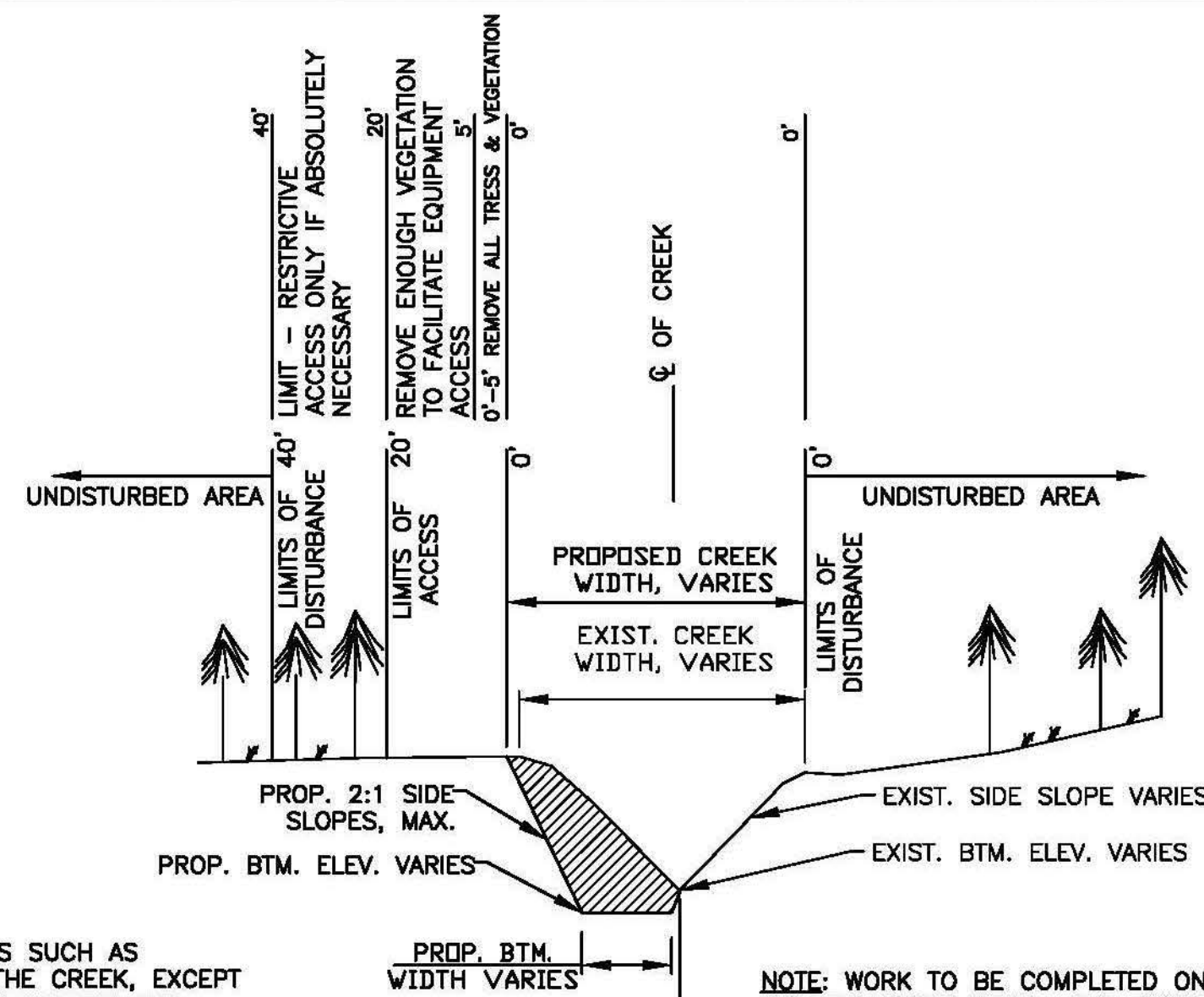
REVISIONS		
ENGINEER	DATE	REVISION
CE	04/11/14	C.C. GOODING
CE	05/15/18	C.C. GOODING

OVERALL PLAN IMPROVEMENTS			
HORIZ. SCALE	1" = 100'	DRAWN BY	C.C. GOODING
VERT. SCALE	N/A	DATE	04/11/14
HURRICANE CREEK DRAINAGE IMPROVEMENTS		PROJECT NO.	11-11-584E
Caldwell Parish Police Jury		FILE NAME	HURRICANE
		DRAWING NUMBER	2





1. 0'-5' REMOVE ALL TREES, WOODY GROWTH AND DEBRIS FROM CHANNEL BOTTOM, SIDE-SLOPES, EXCAVATED LIMITS AND TO FIVE (5) FT. FROM TOP BANK, BOTH SIDES.
2. 5'-20' REMOVE MINIMUM TREES, ONLY ENOUGH TO MOVE EQUIPMENT SPOIL DEBRIS. DO NOT REMOVE CYPRESS TREES OR TREES WITH GREATER THAN 18" IN DIA., UNLESS ABSOLUTELY NECESSARY.
3. 20'-40' ACCESS ONLY IF ABSOLUTELY NECESSARY. VERY RESTRICTED ACCESS.

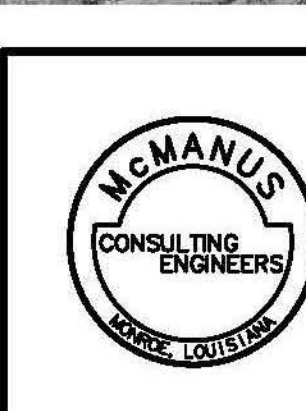
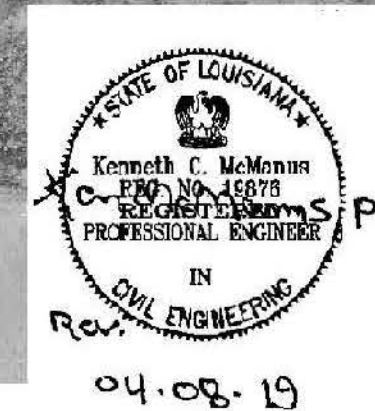


TYPICAL CROSS SECTION  
SCALE: N.T.S.

- NOTES:
1. CREEK SIDE SLOPES SHALL BE HYDROSEEDDED. ACCESS AREAS AND OTHER AREAS THAT ARE DISTURBED SHALL BE SEEDED AND MULCHED. AREAS SHALL BE HYDROSEEDDED OR SEEDED WITHIN 5 DAYS OF CONSTRUCTION BEING COMPLETED IN THE AREA.
  2. CONTRACTOR TO REMAIN WITHIN LIMITS OF DISTURBANCE.
  3. THE ENGINEER DOES NOT SPECIFY SAFETY MEASURES, SLOPES, CUTS OR METHODS OF CONSTRUCTION.
  4. ACCESS ROAD LOCATIONS AND ACCESS TO THE CHANNEL ARE SHOWN IN ESTIMATED LOCATIONS. DUE TO EXISTING STRUCTURES IN THE FIELD, LOCATIONS MAY NEED TO BE REVISED DURING CONSTRUCTION. CONTRACTOR TO SUBMIT ACCESS PLAN PRIOR TO CONSTRUCTION.
  5. LOCATION OF CREEK SHOWN IN APPROXIMATE LOCATION. AREAS OF THE CREEK WHICH MAY REQUIRE RECHANNELING SHALL BE FIELD VERIFIED.
  6. DUE TO LOCATION OF ADJACENT STRUCTURES, REMOVAL OF TREES MAY REQUIRE FELLING TREES PIECE BY PIECE WITH CRANE REMOVAL IN ORDER TO PROTECT STRUCTURES.
  7. ACCESS ROAD SHALL BE ON ONE SIDE OF CREEK ONLY TO PRESERVE EXIST. VEGETATION ALONG THE TOP BANK.
  8. ALL CONSTRUCTION SHALL BE KEPT WITHIN THE LIMITS OF DISTURBANCE LINE. AREA BETWEEN THE CONSTRUCTION AND LIMITS OF DISTURBANCE SHALL ACT AS A BUFFER AND SHALL ONLY BE DISTURBED WHERE FIELD CONDITIONS REQUIRE ADDITIONAL AREA FOR CONSTRUCTION.

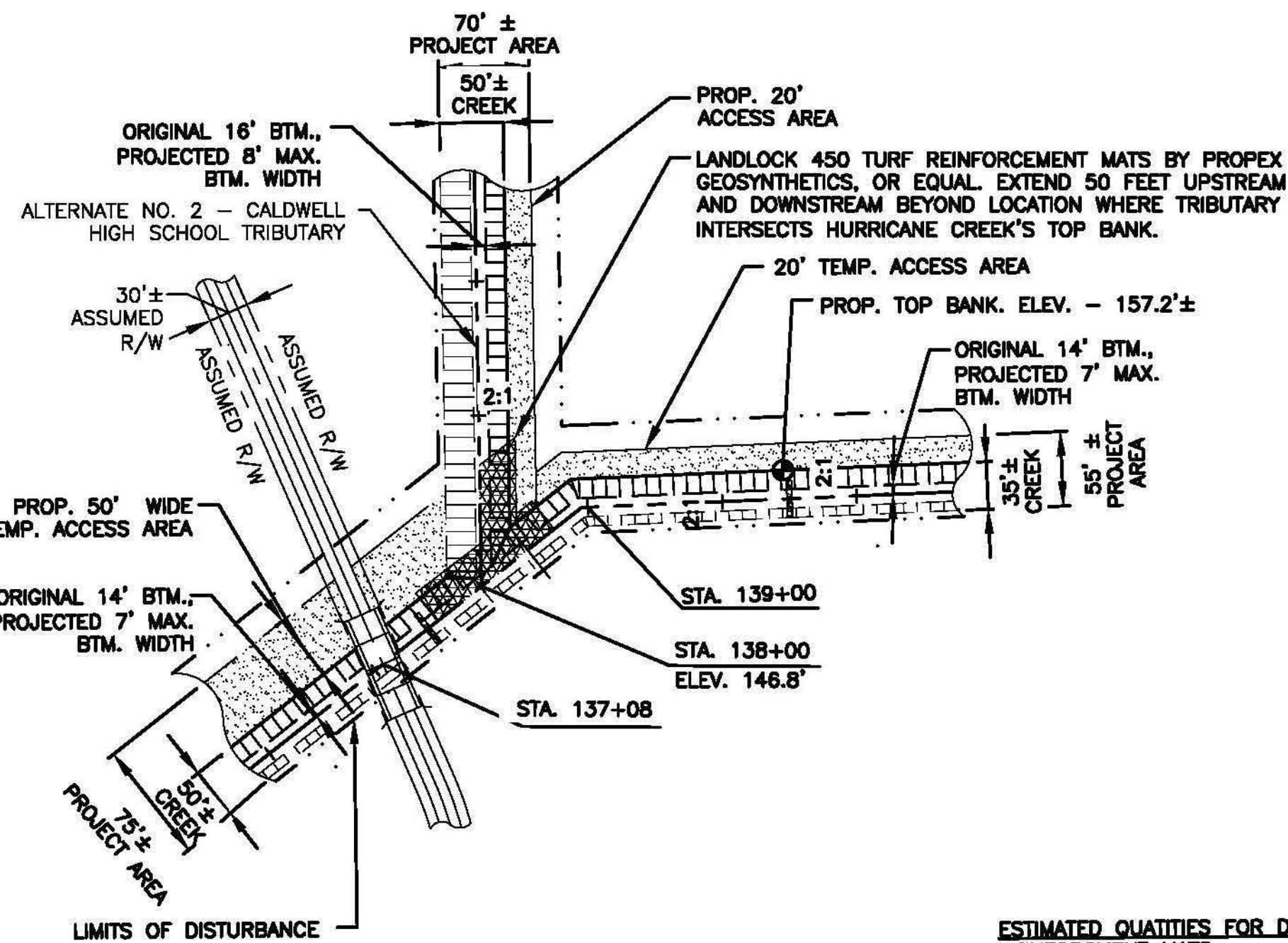
LEGEND	
---	CENTER LINE OF CREEK
---	CENTERLINE OF ROAD
---	ASSUMED R/W
---	EXISTING CREEK ALIGNMENT/TOE OF SLOPE
---	EXISTING CREEK TOP BANK
---	PROPOSED CREEK TOE OF SLOPE
---	PROPOSED CREEK TOP BANK
---	PROPOSED RIP RAP
---	LIMITS OF DISTURBANCE
---	TEMPORARY SILT FENCE
---	EROSION BLANKETS
---	ACCESS ROAD

- NOTE:
1. CREEK SIDE BANKS SHALL HAVE EROSION CONTROL BLANKETS SUCH AS LANDLOK CS2 OR EQUIVALENT FOR THE ENTIRE LENGTH OF THE CREEK, EXCEPT AT AREAS WHERE LANDLOK 450 MATS OR GABIONS/RENO MATTRESSES ARE SHOWN. DISTURBED AREAS WITHIN THE CREEK AND ACCESS ROAD SHALL BE SEEDED TO PROMOTE GROWTH OF VEGETATION AND STABILIZATION OF SOILS. ACCESS ROAD SHALL BE ON ONE SIDE OF CREEK ONLY, TO PRESERVE EXIST. VEGETATION ALONG THE TOP BANK.
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REVISIONS			OVERALL PLAN IMPROVEMENTS		
ENGINEER	DRAWN BY	DATE	HORIZ. SCALE	DRAWN BY	PROJECT NO.
CS	C.GOODING	04/11/14	1" = 20'	C.GOODING	11-11-584E
CS	C.GOODING	04/15/18	VERT. SCALE	DATE	FILE NAME
			N/A	04/11/14	HURRICANE
			HURRICANE CREEK DRAINAGE IMPROVEMENTS		
			Caldwell Parish Police Jury		
			DRAWING NUMBER 3		



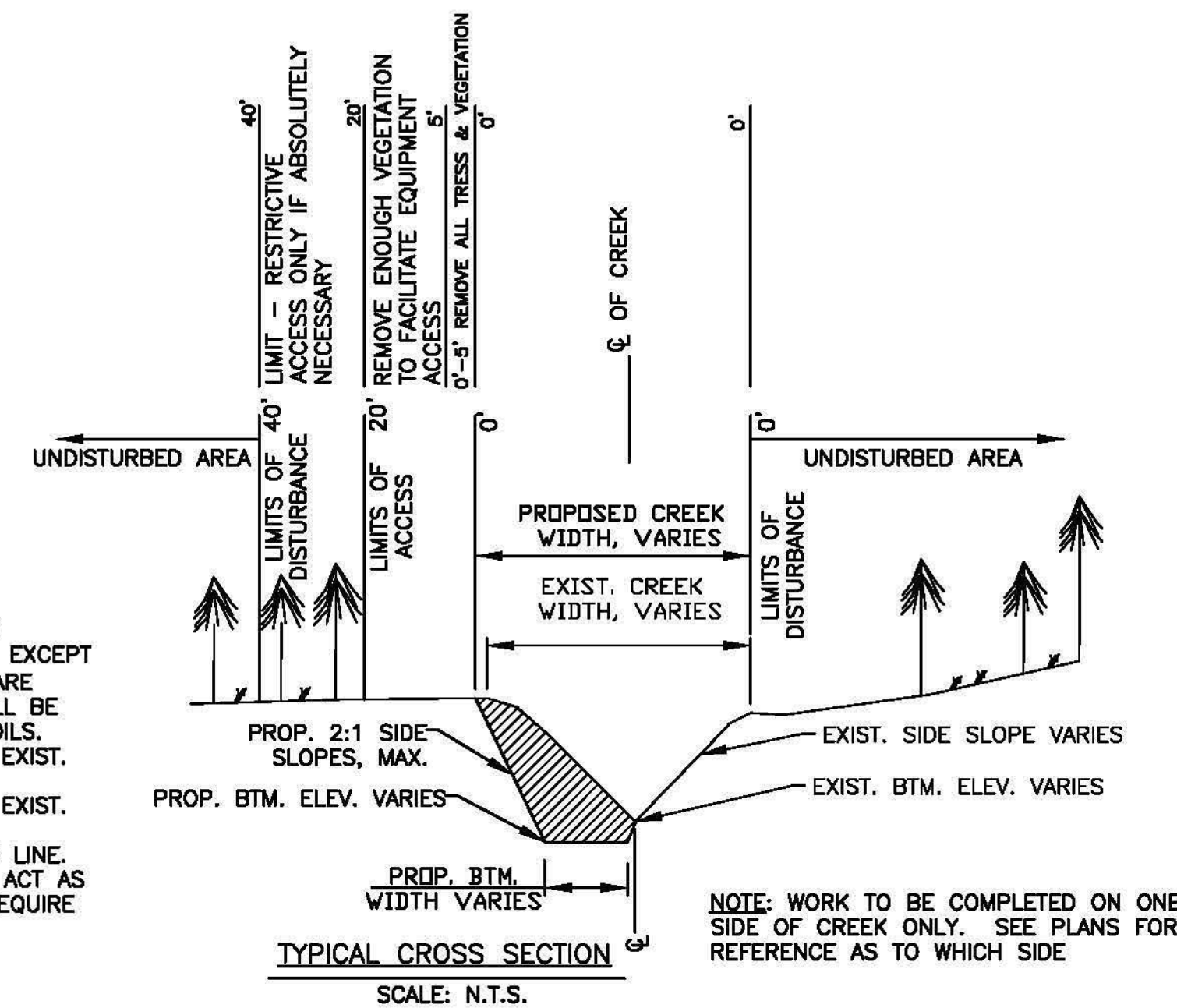


ESTIMATED QUANTITIES FOR DETAIL A  
REINFORCEMENT MATS - 575 S.Y.

- 0'-5' REMOVE ALL TREES, WOODY GROWTH AND DEBRIS FROM CHANNEL BOTTOM, SIDE-SLOPES, EXCAVATED LIMITS AND TO FIVE (5) FT. FROM TOP BANK, BOTH SIDES.
- 5'-20' REMOVE MINIMUM TREES, ONLY ENOUGH TO MOVE EQUIPMENT SPOIL DEBRIS. DO NOT REMOVE CYPRESS TREES OR TREES WITH GREATER THAN 18" IN DIA., UNLESS ABSOLUTELY NECESSARY.
- 20'-40' ACCESS ONLY IF ABSOLUTELY NECESSARY. VERY RESTRICTED ACCESS.

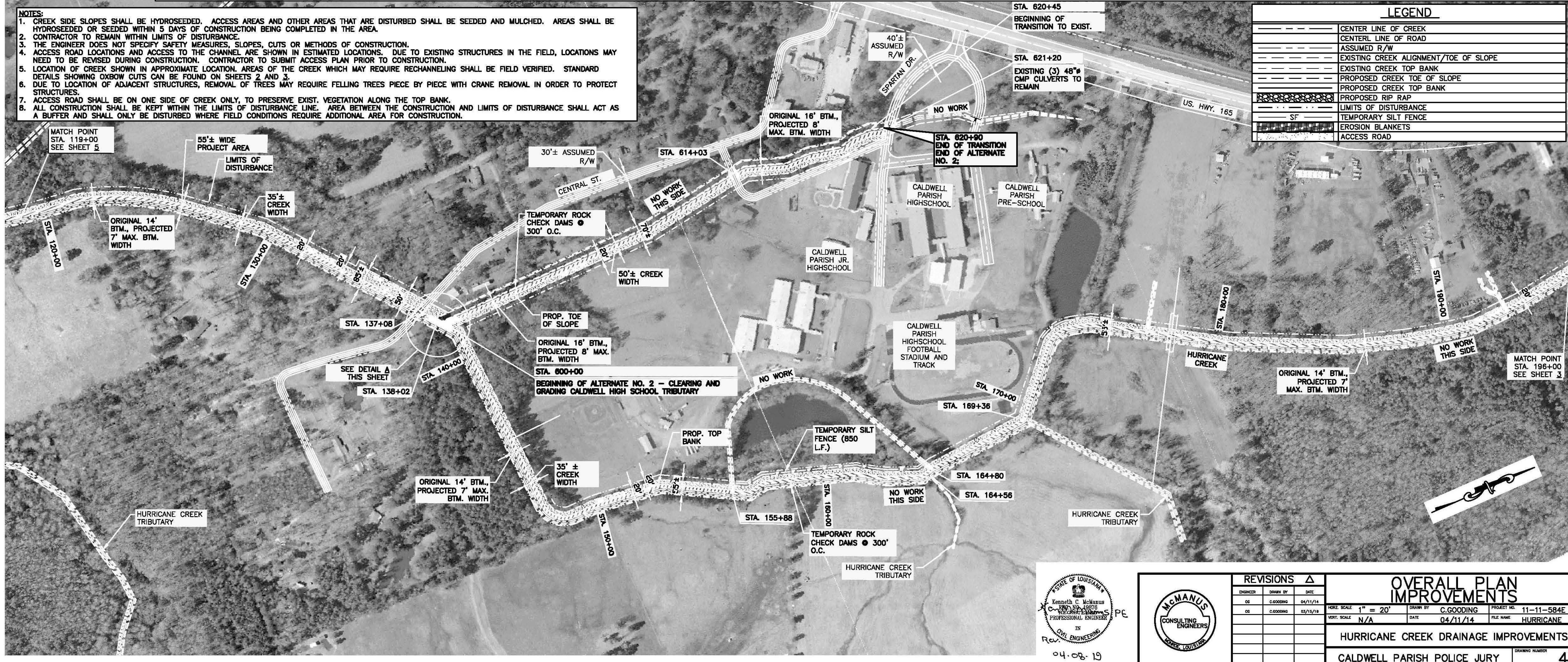
NOTE:

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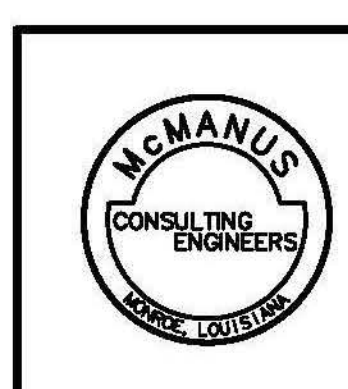
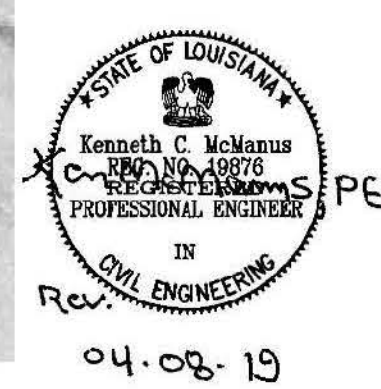


NOTES:

- CREEK SIDE SLOPES SHALL BE HYDROSEED. ACCESS AREAS AND OTHER AREAS THAT ARE DISTURBED SHALL BE SEEDED AND MULCHED. AREAS SHALL BE HYDROSEED OR SEEDED WITHIN 5 DAYS OF CONSTRUCTION BEING COMPLETED IN THE AREA.
- CONTRACTOR TO REMAIN WITHIN LIMITS OF DISTURBANCE.
- THE ENGINEER DOES NOT SPECIFY SAFETY MEASURES, SLOPES, CUTS OR METHODS OF CONSTRUCTION.
- ACCESS ROAD LOCATIONS AND ACCESS TO THE CHANNEL ARE SHOWN IN ESTIMATED LOCATIONS. DUE TO EXISTING STRUCTURES IN THE FIELD, LOCATIONS MAY NEED TO BE REVISED DURING CONSTRUCTION. CONTRACTOR TO SUBMIT ACCESS PLAN PRIOR TO CONSTRUCTION.
- LOCATION OF CREEK SHOWN IN APPROXIMATE LOCATION. AREAS OF THE CREEK WHICH MAY REQUIRE RECHANNELING SHALL BE FIELD VERIFIED. STANDARD DETAILS SHOWING OXBOW CUTS CAN BE FOUND ON SHEETS 2 AND 3.
- DUE TO LOCATION OF ADJACENT STRUCTURES, REMOVAL OF TREES MAY REQUIRE FELLING TREES PIECE BY PIECE WITH CRANE REMOVAL IN ORDER TO PROTECT STRUCTURES.
- ACCESS ROAD SHALL BE ON ONE SIDE OF CREEK ONLY, TO PRESERVE EXIST. VEGETATION ALONG THE TOP BANK.
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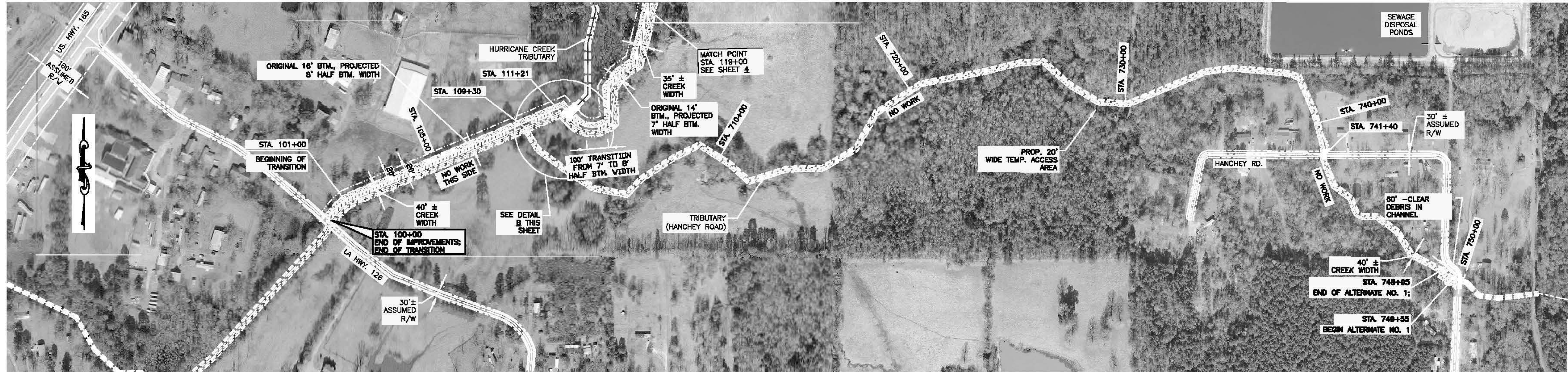


LEGEND	
---	CENTER LINE OF CREEK
---	CENTER LINE OF ROAD
---	ASSUMED R/W
---	EXISTING CREEK ALIGNMENT/TOE OF SLOPE
---	EXISTING CREEK TOP BANK
---	PROPOSED CREEK TOE OF SLOPE
---	PROPOSED CREEK TOP BANK
---	PROPOSED RIP RAP
---	LIMITS OF DISTURBANCE
---	TEMPORARY SILT FENCE
---	EROSION BLANKETS
---	ACCESS ROAD

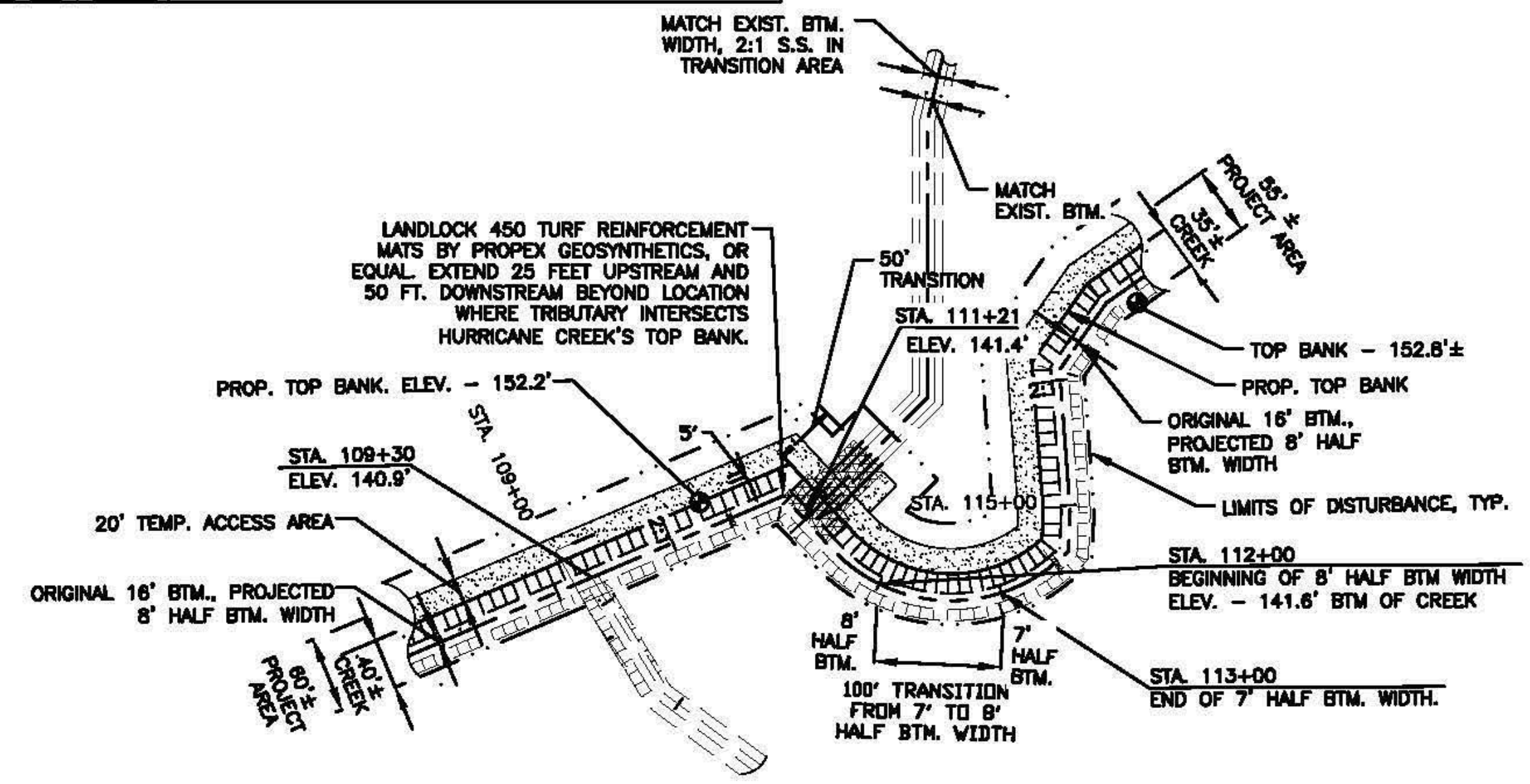


REVISIONS		
NO.	DESCRIPTION	DATE
01	C. GOODING	04/11/14
02	C. GOODING	05/15/18
OVERALL PLAN IMPROVEMENTS		
HURRICANE CREEK DRAINAGE IMPROVEMENTS		
Caldwell Parish Police Jury		
DRAWING NUMBER 4		





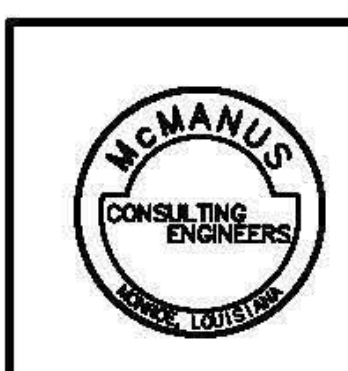
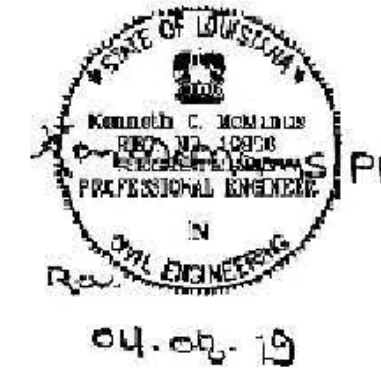
LEGEND	
	CENTER LINE OF CREEK
	CENTER LINE OF ROAD
	ASSUMED R/W
	EXISTING CREEK ALIGNMENT/TOE OF SLOPE
	EXISTING CREEK TOP BANK
	PROPOSED CREEK TOE OF SLOPE
	PROPOSED CREEK TOP BANK
	PROPOSED RIP RAP
	LIMITS OF DISTURBANCE
	SF TEMPORARY SILT FENCE
	EROSION BLANKETS
	ACCESS ROAD



DETAIL B  
SCALE: 1"=100'

ESTIMATED QUANTITIES FOR DETAIL K  
REINFORCEMENT MATS - 775 S.Y.

- NOTES:
1. CREEK SIDE SLOPES SHALL BE HYDROSEEDDED. ACCESS AREAS AND OTHER AREAS THAT ARE DISTURBED SHALL BE SEEDED AND MULCHED. AREAS SHALL BE HYDROSEEDDED OR SEEDED WITHIN 5 DAYS OF CONSTRUCTION BEING COMPLETED IN THE AREA.
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  4. ACCESS ROAD LOCATIONS AND ACCESS TO THE CHANNEL ARE SHOWN IN ESTIMATED LOCATIONS. DUE TO EXISTING STRUCTURES IN THE FIELD, LOCATIONS MAY NEED TO BE REVISED DURING CONSTRUCTION. CONTRACTOR TO SUBMIT ACCESS PLAN PRIOR TO CONSTRUCTION.
  5. LOCATION OF CREEK SHOWN IN APPROXIMATE LOCATION. AREAS OF THE CREEK WHICH MAY REQUIRE RECHANNELING SHALL BE FIELD VERIFIED. STANDARD DETAILS SHOWING OXBOW CUTS CAN BE FOUND ON SHEETS 2 AND 3.
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REVISIONS			OVERALL PLAN IMPROVEMENTS		
NO.	DATE	DESCRIPTION	SCALE	DATE	PROJECT NO.
01	04/11/14	ISSUED FOR PERMIT	1" = 20'	04/11/14	11-11-584E
02	05/15/15	REVISED FOR FIELD CONDITIONS	N/A		
			HURRICANE CREEK DRAINAGE IMPROVEMENTS		
			Caldwell Parish Police Jury		
			DRAWING NUMBER 5		



# FIELD ESTIMATE QUANTITIES

## BASE BID:

14794 L.F. CLEARING AND RECHANNELING OF CREEK  
 52 L.F. 84" HDPE  
 504 L.F. 54" RCP, CLASS III PIPE  
 138 L.F. 60" CMP  
 3 PRECAST CONCRETE STORM DRAIN MANHOLES  
 575 C.Y. CLASS 250 LB. RIPRAP W/ GEOTEXTILE FABRIC  
 2,500 S.Y. 12" RENO MATTRESS W/ GEOTEXTILE FABRIC  
 120 C.Y. CONCRETE  
 385 S.Y. ASPHALTIC SURFACE TREATMENT (2 APPL.)  
 440 S.Y. 8 1/2" CRUSHED STONE BASE  
 110 S.Y. 4" CRUSHED STONE SHOULDER

ALTERNATE NO. 1 (HANCHEY RD. TRIBUTARY)  
 60 L.F. CLEARING AND RECHANNELING OF CREEK

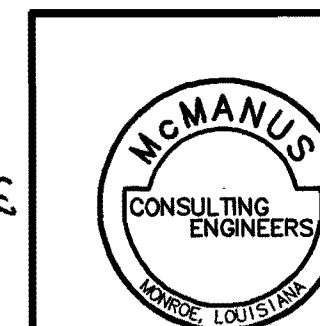
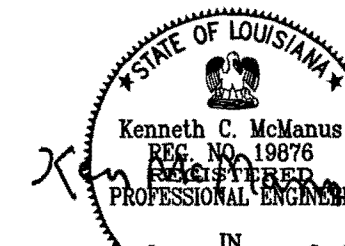
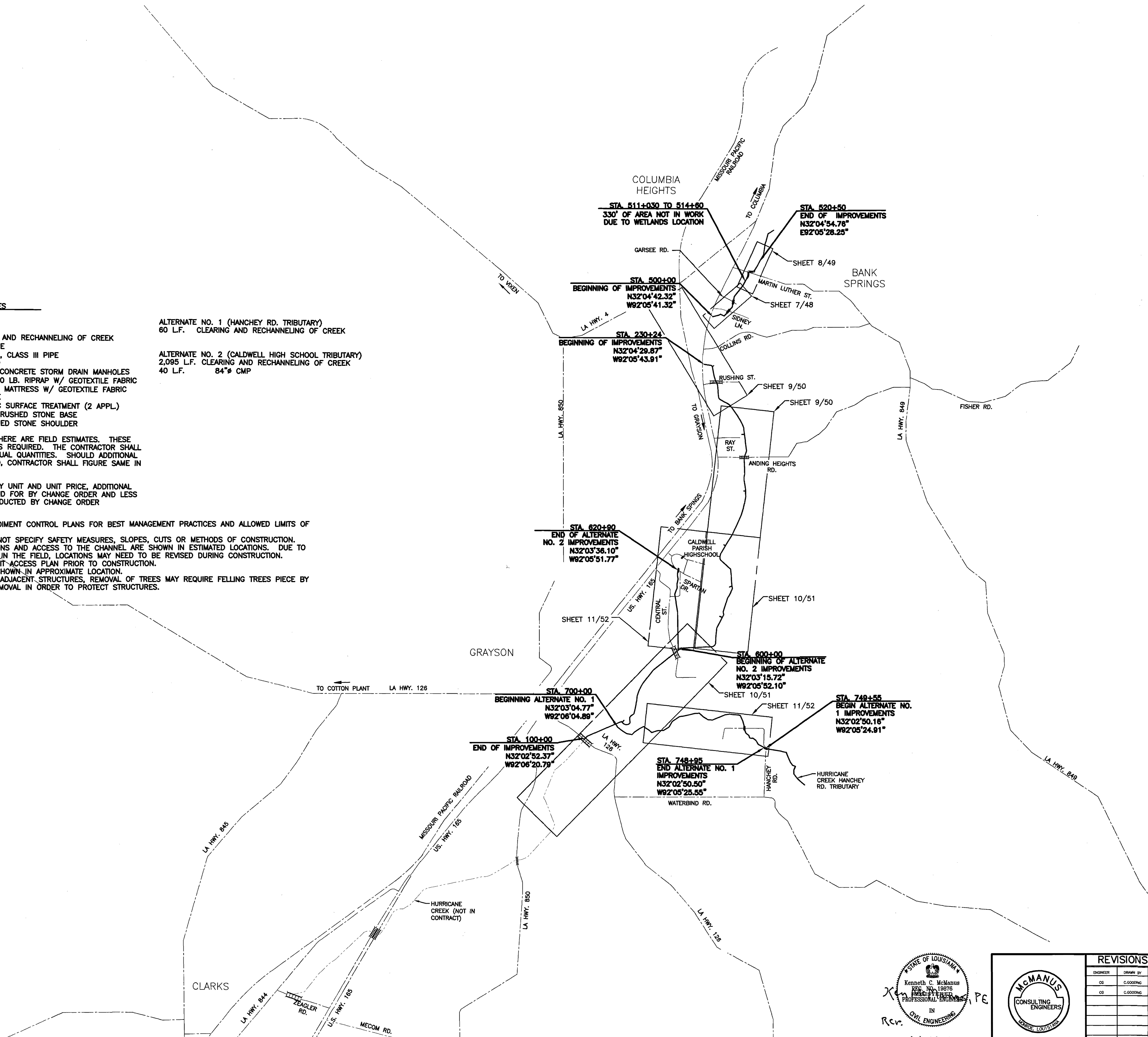
ALTERNATE NO. 2 (CALDWELL HIGH SCHOOL TRIBUTARY)  
 2,095 L.F. CLEARING AND RECHANNELING OF CREEK  
 40 L.F. 84" CMP

THE QUANTITIES SHOWN HERE ARE FIELD ESTIMATES. THESE QUANTITIES ARE MINIMUMS REQUIRED. THE CONTRACTOR SHALL ASSURE HIMSELF OF ACTUAL QUANTITIES. SHOULD ADDITIONAL QUANTITIES BE ESTIMATED, CONTRACTOR SHALL FIGURE SAME IN HIS BID.

IF QUANTITIES ARE BID BY UNIT AND UNIT PRICE, ADDITIONAL QUANTITIES SHALL BE PAID FOR BY CHANGE ORDER AND LESS QUANTITIES SHALL BE DEDUCTED BY CHANGE ORDER

## NOTES:

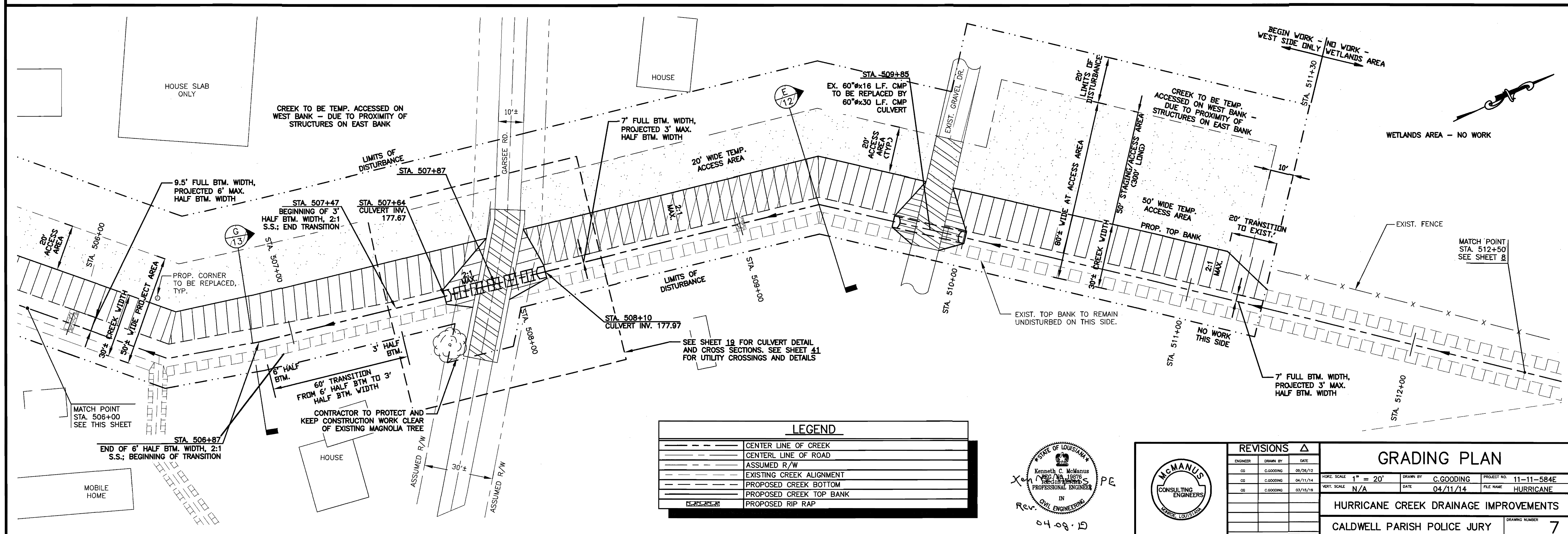
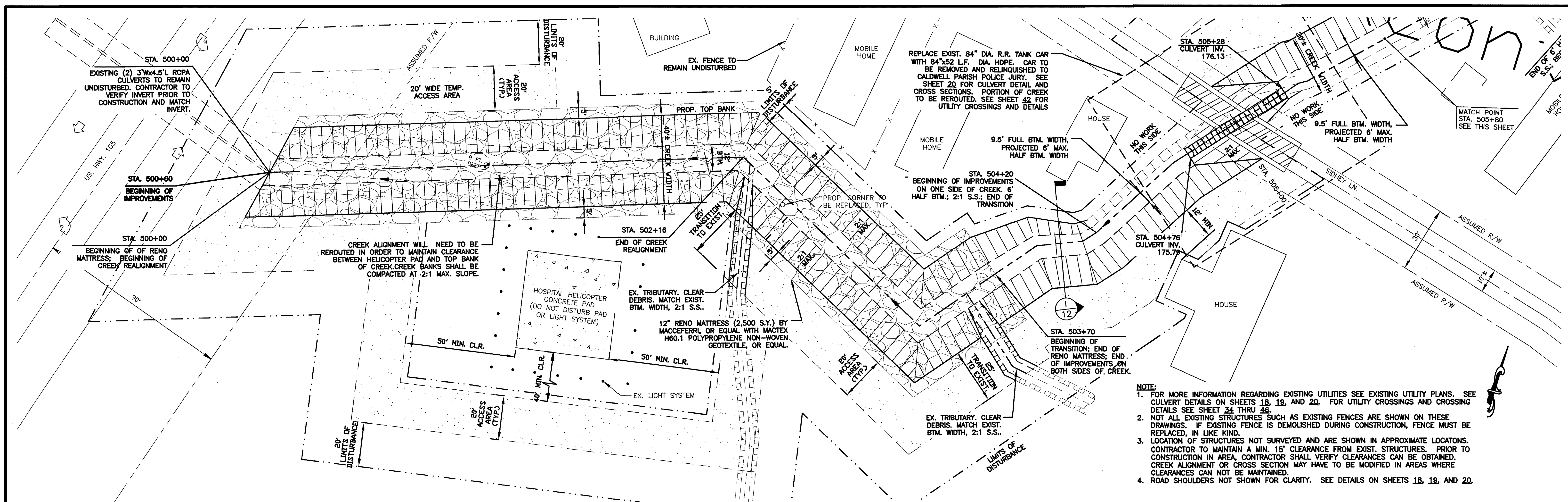
- SEE EROSION AND SEDIMENT CONTROL PLANS FOR BEST MANAGEMENT PRACTICES AND ALLOWED LIMITS OF DISTURBANCES.
- THE ENGINEER DOES NOT SPECIFY SAFETY MEASURES, SLOPES, CUTS OR METHODS OF CONSTRUCTION.
- ACCESS ROAD LOCATIONS AND ACCESS TO THE CHANNEL ARE SHOWN IN ESTIMATED LOCATIONS. DUE TO EXISTING STRUCTURES IN THE FIELD, LOCATIONS MAY NEED TO BE REVISED DURING CONSTRUCTION. CONTRACTOR TO SUBMIT ACCESS PLAN PRIOR TO CONSTRUCTION.
- LOCATION OF CREEK SHOWN IN APPROXIMATE LOCATION.
- DUE TO LOCATION OF ADJACENT STRUCTURES, REMOVAL OF TREES MAY REQUIRE FELLING TREES PIECE BY PIECE WITH CRANE REMOVAL IN ORDER TO PROTECT STRUCTURES.



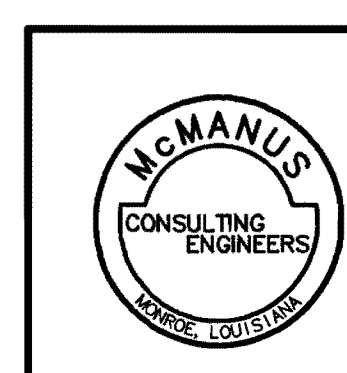
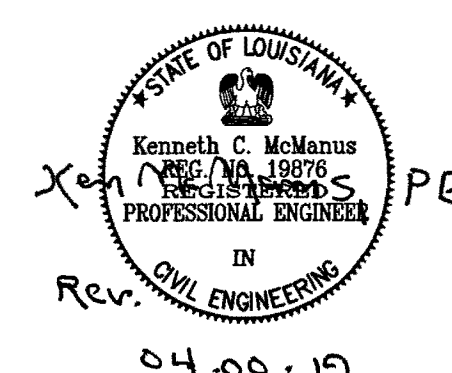
REVISIONS		
ENGINEER	DATE	
CC	04/11/14	
CC	03/15/19	

INDEX - GRADING/SWPPP PLAN SHEETS			
HORIZ. SCALE	1" = 1,250'	DRAWN BY	C.GOODING
VERT. SCALE	N/A	DATE	04/11/14
HURRICANE CREEK DRAINAGE IMPROVEMENTS		PROJECT NO.	11-11-584E
CALDWELL PARISH POLICE JURY		FILE NAME	LOCATION
		DRAWING NUMBER	6





LEGEND	
---	CENTER LINE OF CREEK
---	CENTER LINE OF ROAD
---	ASSUMED R/W
---	EXISTING CREEK ALIGNMENT
---	PROPOSED CREEK BOTTOM
---	PROPOSED CREEK TOP BANK
---	PROPOSED RIP RAP



REVISIONS		
NO.	DESCRIPTION	DATE
01	C.D. GOODING	05/26/12
02	C.D. GOODING	04/11/14
03	C.D. GOODING	05/15/19

GRADING PLAN			
HORIZ. SCALE	1" = 20'	DRAWN BY	C. GOODING
VERT. SCALE	N/A	DATE	04/11/14
HURRICANE CREEK DRAINAGE IMPROVEMENTS		PROJECT NO.	11-11-584E
Caldwell Parish Police Jury		FILE NAME	HURRICANE
		DRAWING NUMBER	7

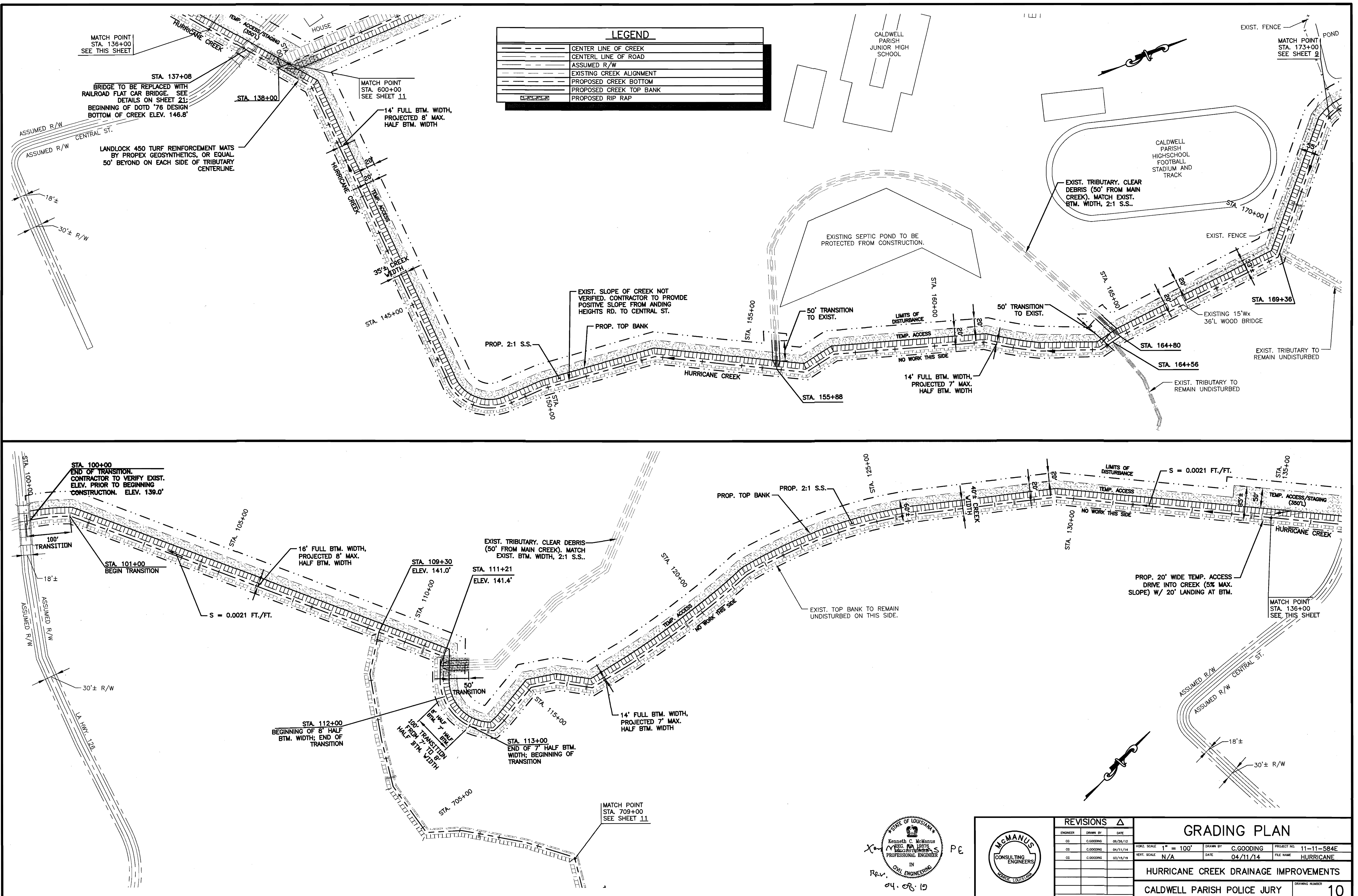




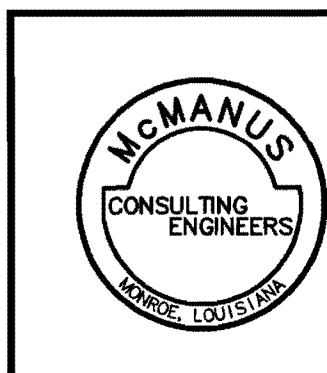
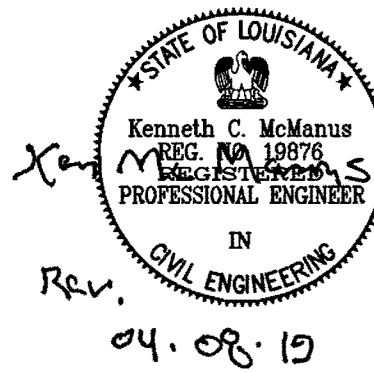








LEGEND	
	CENTER LINE OF CREEK
	CENTER LINE OF ROAD
	ASSUMED R/W
	EXISTING CREEK ALIGNMENT
	PROPOSED CREEK BOTTOM
	PROPOSED CREEK TOP BANK
	PROPOSED RIP RAP



REVISIONS		
NO.	DESCRIPTION	DATE
01	C.DRAWING	08/26/12
02	C.DRAWING	04/11/14
03	C.DRAWING	03/15/15

GRADING PLAN			
HORIZ. SCALE	1" = 100'	DATE	04/11/14
VERT. SCALE	N/A	FILE NAME	HURRICANE
HURRICANE CREEK DRAINAGE IMPROVEMENTS			
Caldwell Parish Police Jury			DRAWING NUMBER
			10

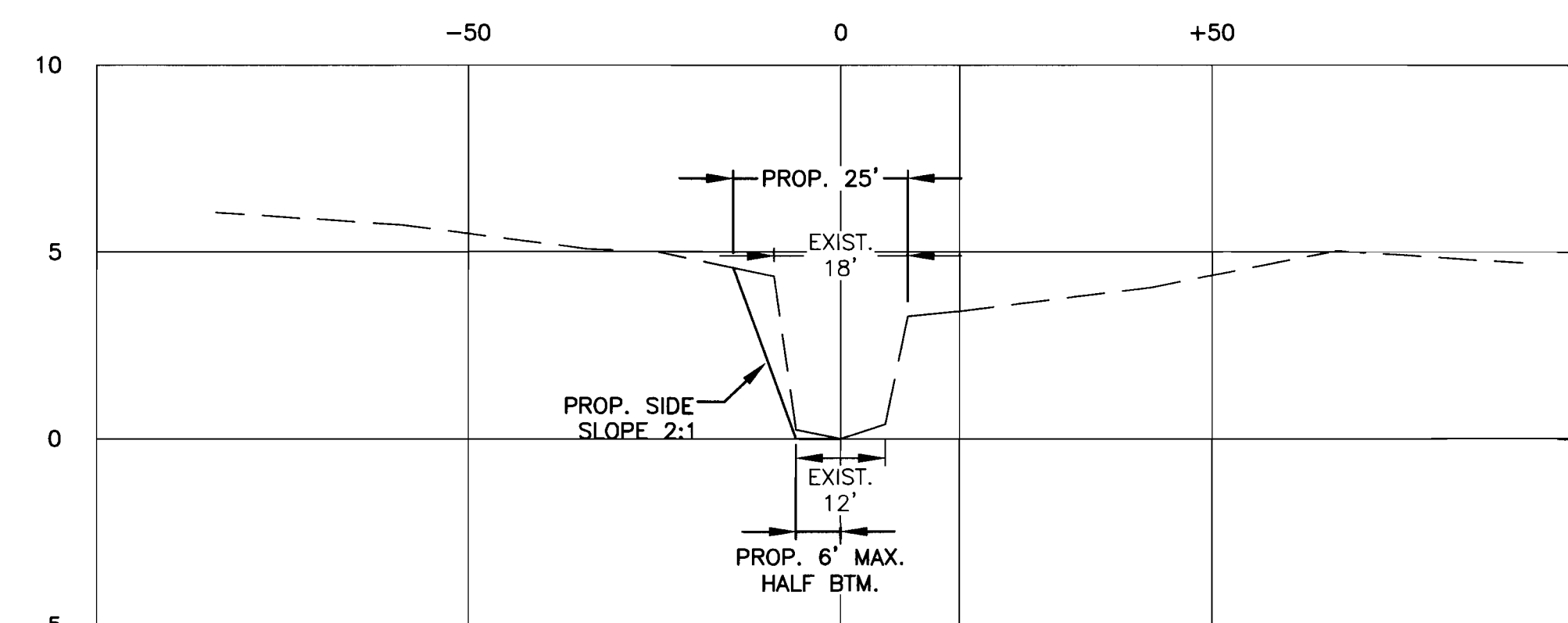




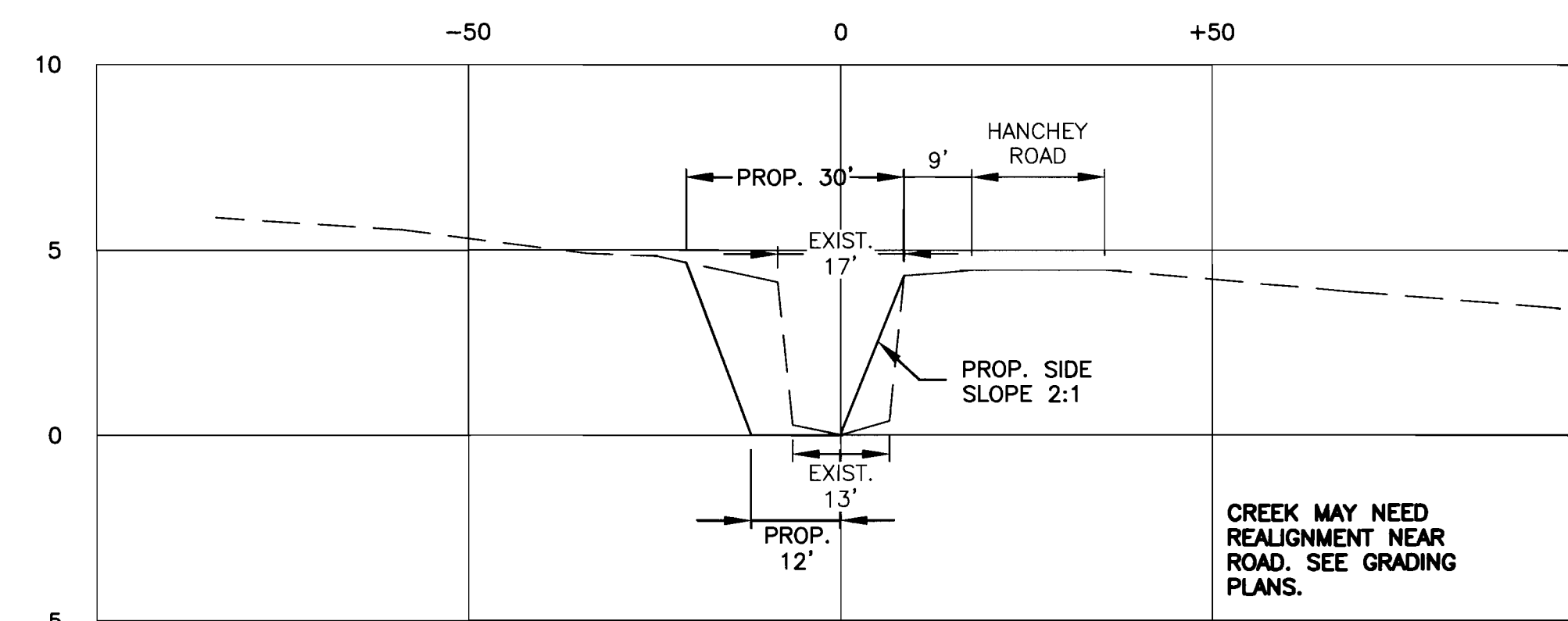


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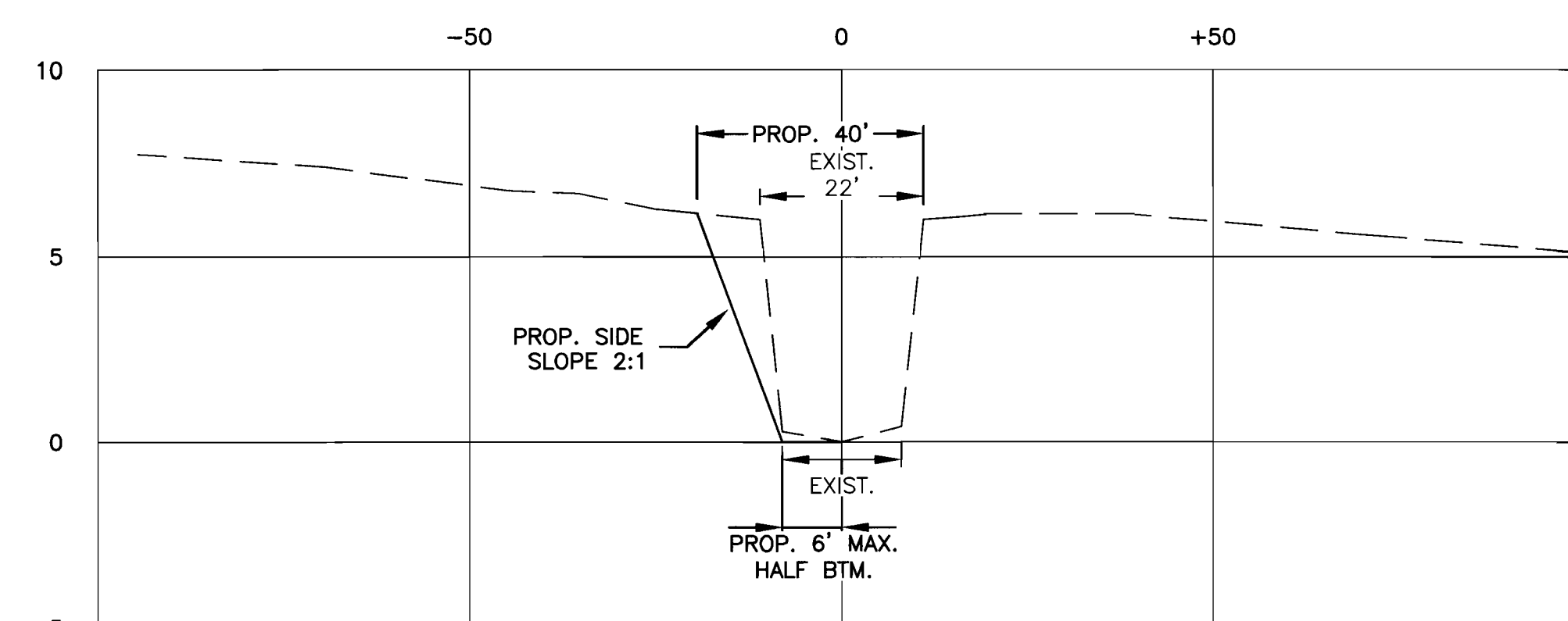




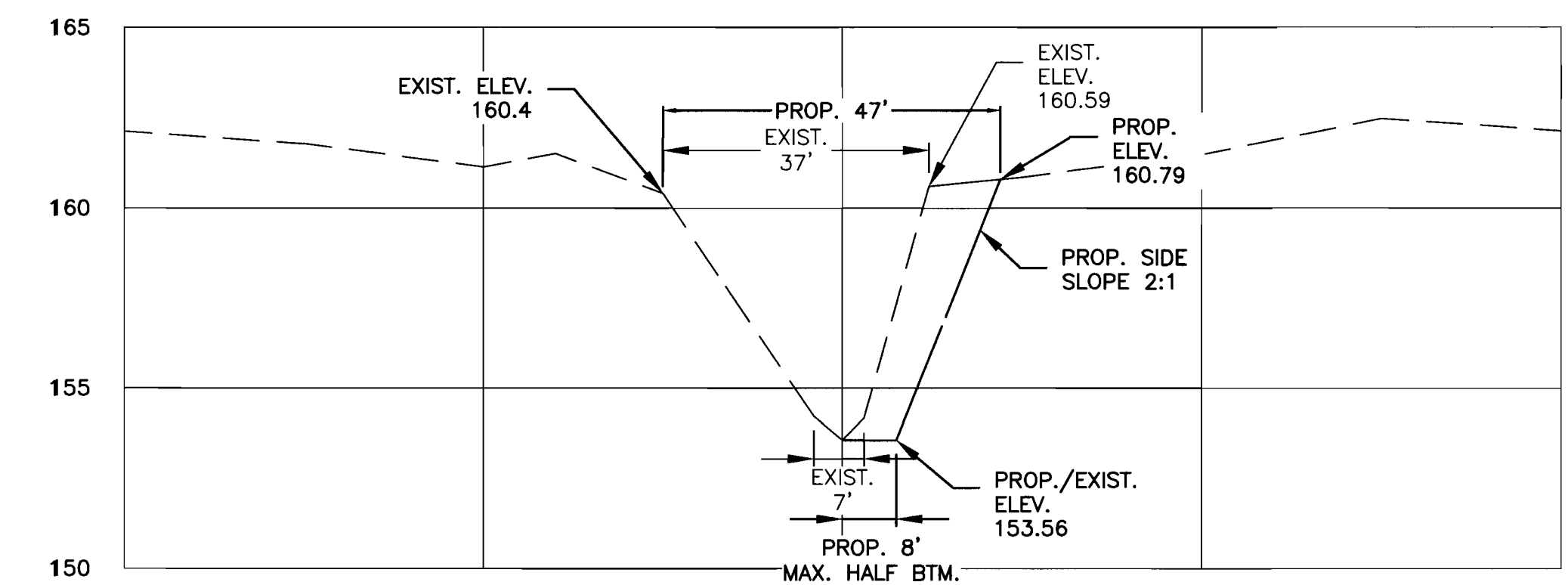
X-SECTION "LL"  
 @ STA. 700+00  
 (ALTERNATE NO. 1 HANCHEY ROAD)



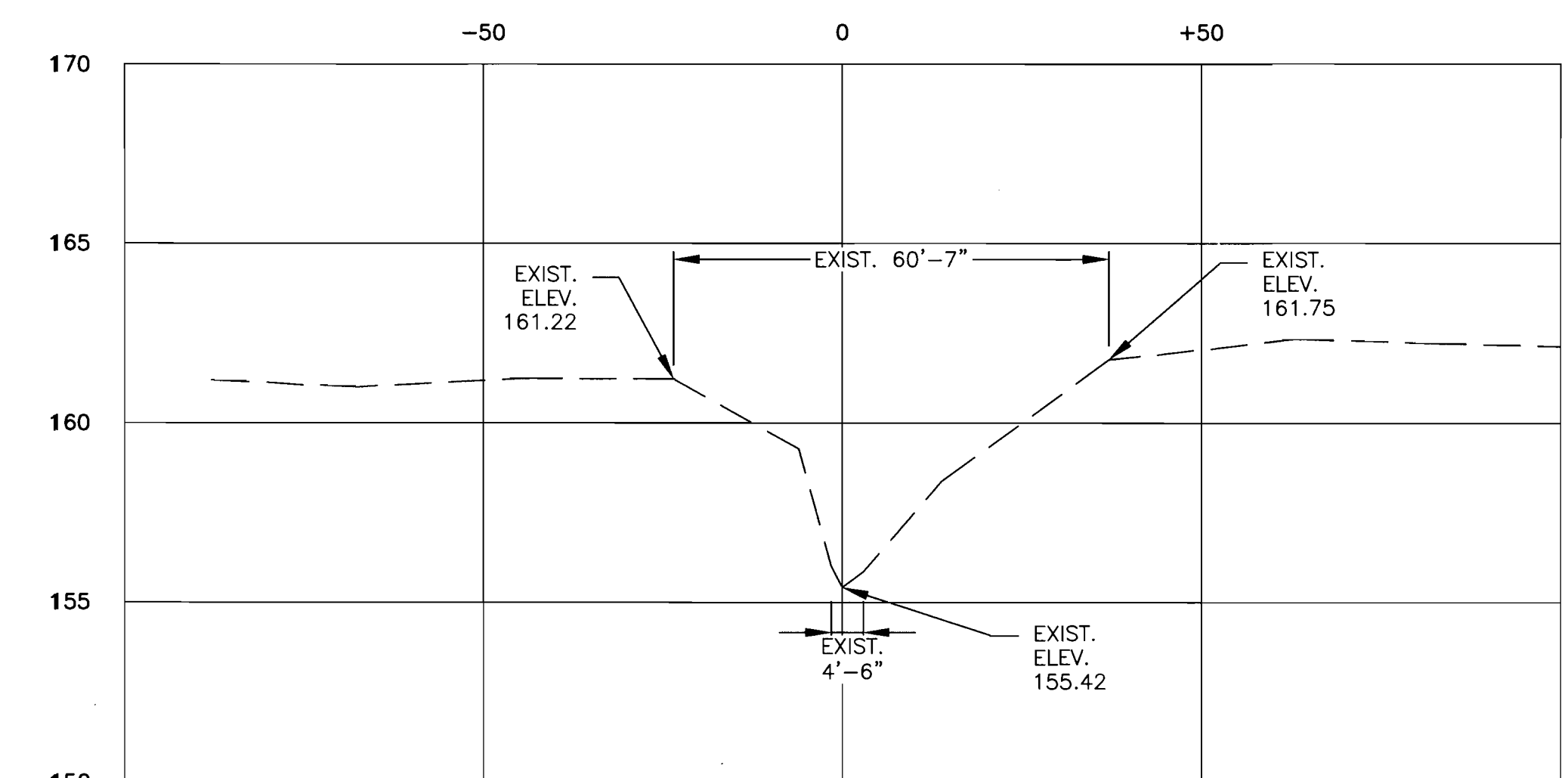
X-SECTION "JJ"  
 @ STA. 700+47  
 (ALTERNATE NO. 1 HANCHEY ROAD)



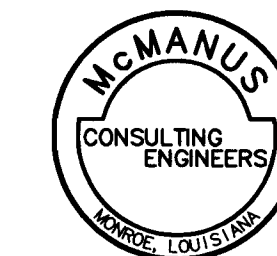
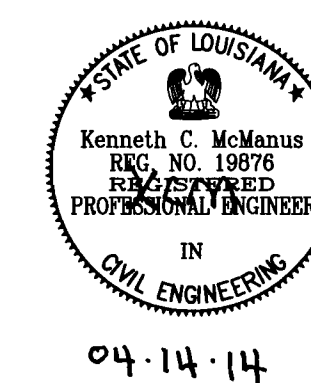
X-SECTION "KK"  
 @ STA. 709+00  
 (ALTERNATE NO. 1 HANCHEY ROAD)



X-SECTION "L"  
 @ STA. 619+00  
 (100'± SOUTH OF SPARTAN DRIVE)  
 ALTERNATE NO. 2

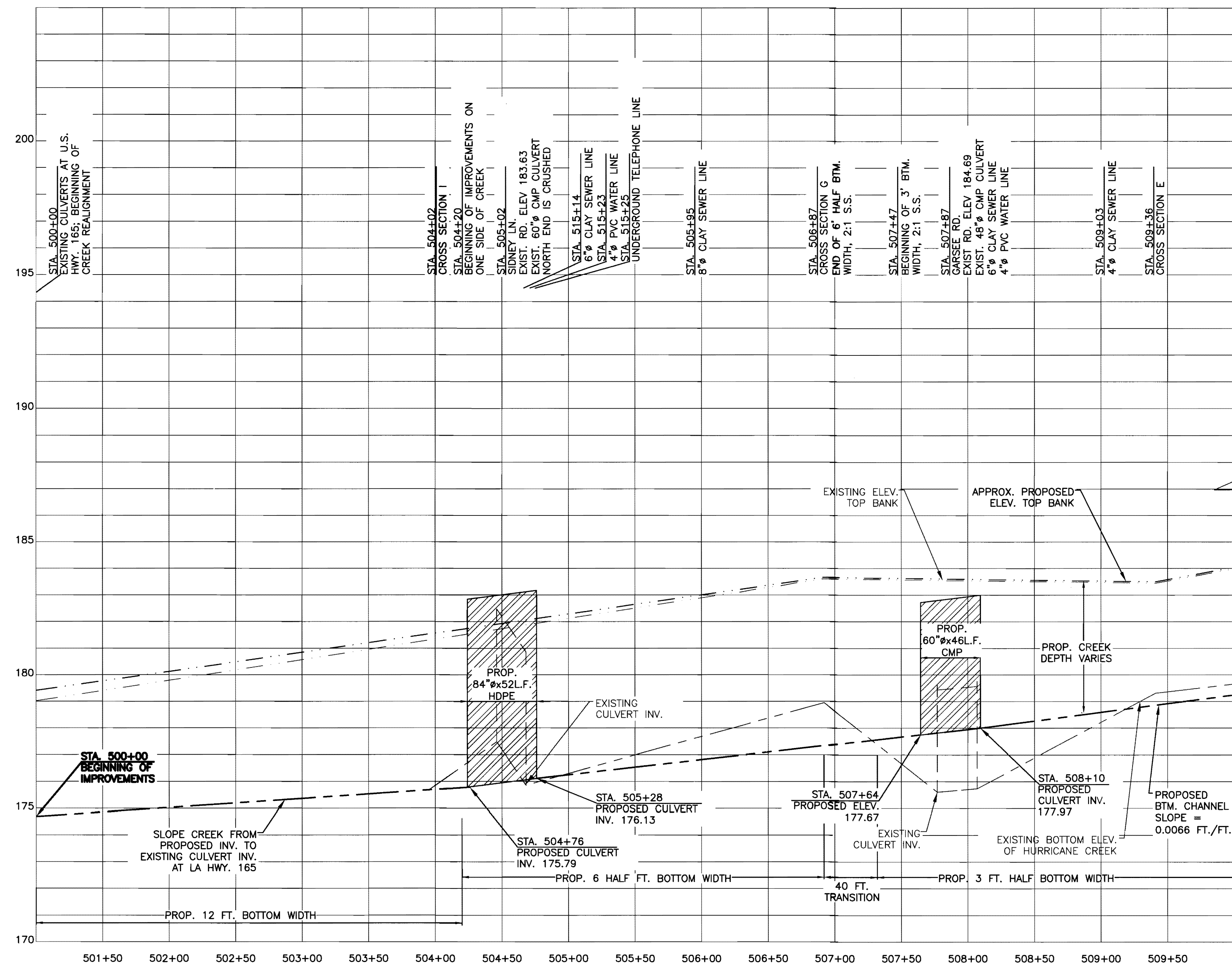


X-SECTION "J"  
 @ STA. 622+52  
 (100'± NORTH OF SPARTAN DRIVE)  
 ALTERNATE NO. 2

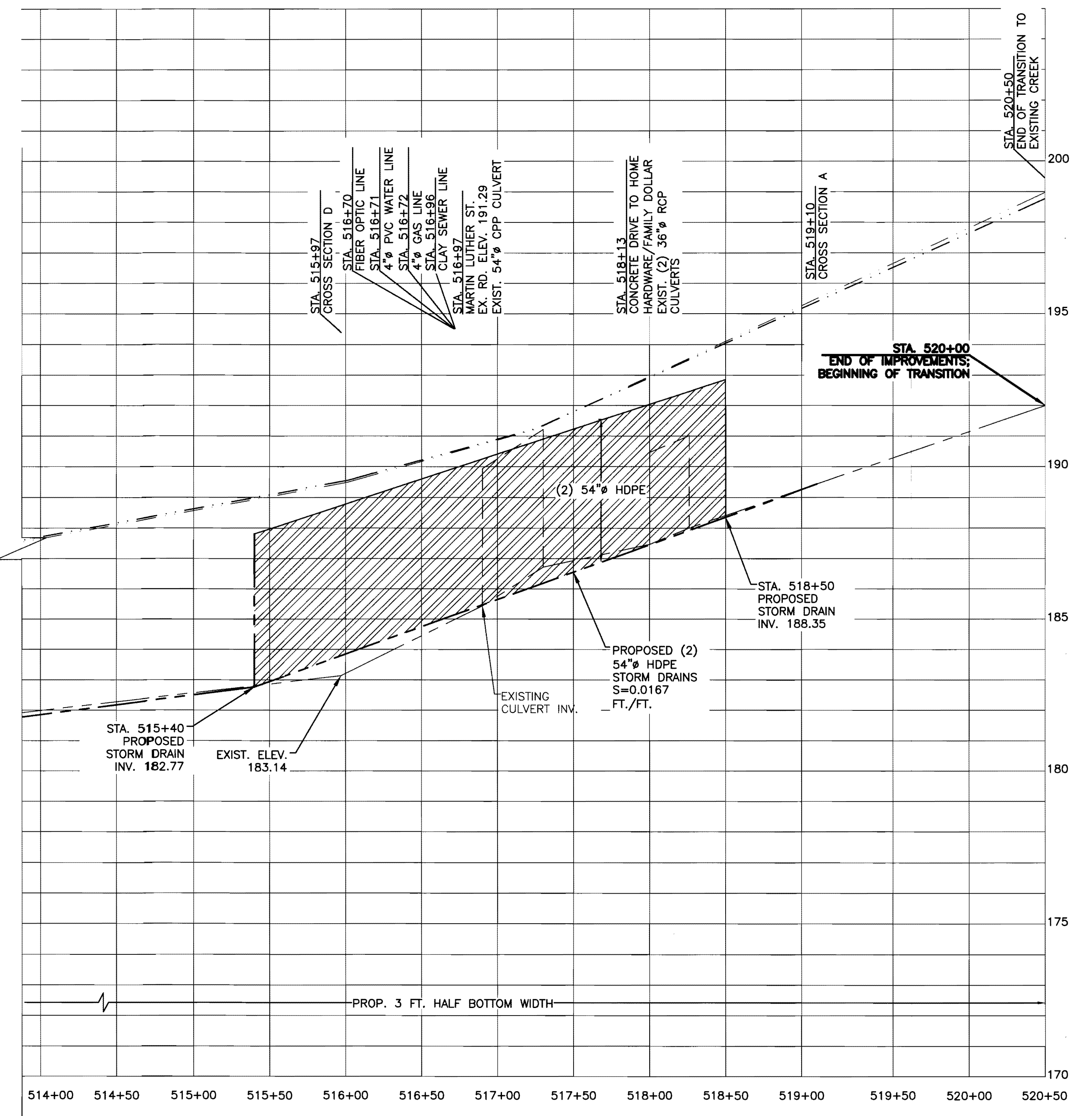


REVISIONS			SECTIONS 2		
NO.	DESCRIPTION	DATE	SCALE	DATE	SECTION
1	AS SHOWN	04/11/14	HORIZ. SCALE 1" = 20'	DRAWN BY C.GOODING	PROJECT NO. 11-11-584E
			VERT. SCALE 1" = 4'	DATE 04/11/14	FILE NAME SECTIONS
			HURRICANE CREEK DRAINAGE IMPROVEMENTS		
			CALDWELL PARISH POLICE JURY		
			DRAWING NUMBER 13		

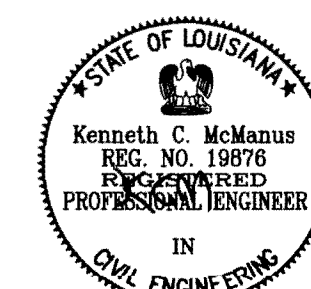




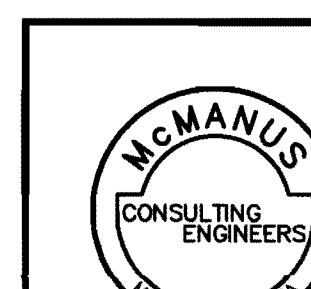
PROFILE OF HURRICANE CREEK (L-3 OF W-40)  
FROM STA. 500+00 TO STA. 520+50  
100 FT. NORTH OF MARTIN LUTHER ST. TO 100 FT.  
SOUTH OF SIDNEY LN.



NOTE:  
1. CONTRACTOR TO VERIFY EXIST. ELEVATIONS AT MAJOR CONFLUENCES AND CROSSINGS OF CREEK PRIOR TO CONSTRUCTION.



05-06-14



REVISIONS		
NO.	DESCRIPTION	DATE
1	CC	04/11/14

## PROFILE 1

HORZ. SCALE 1" = 50'  
VERT. SCALE 1" = 2.5'

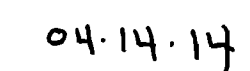
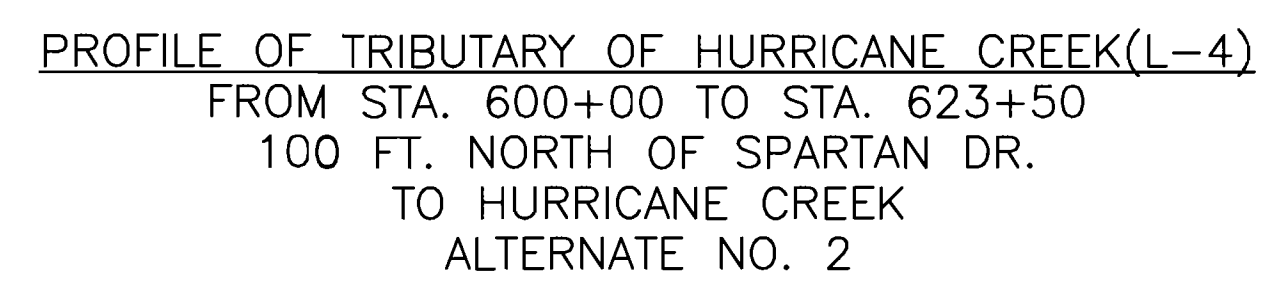
DESIGNED BY C. GOODING  
DATE 04/11/14  
PROJECT NO. 11-11-584E  
FILE NAME PROFILE

HURRICANE CREEK DRAINAGE IMPROVEMENTS

CALDWELL PARISH POLICE JURY

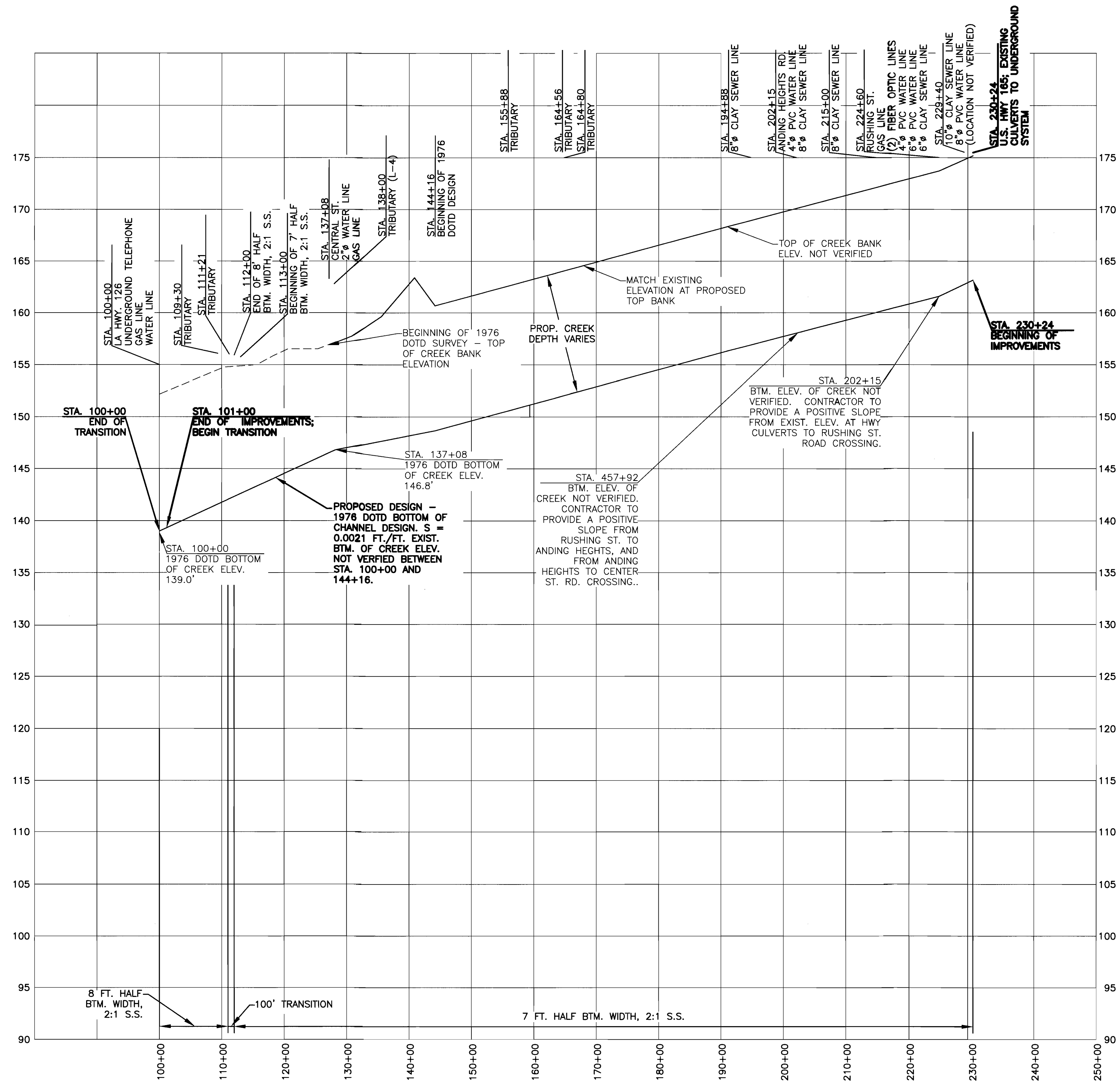
14





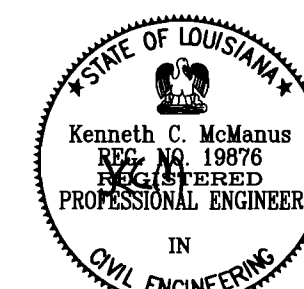
CALDWELL PARISH POLICE JURY



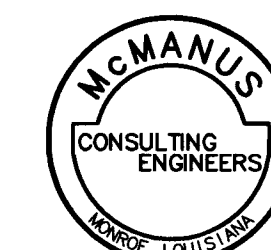


PROFILE OF HURRICANE CREEK (L-3 OF W-40)  
FROM STA. 100+00 TO STA. 230+24  
BETWEEN LA HWY. 126 AND U.S. HWY. 165

- NOTE:
- DESIGN DATA FROM 100+00 TO STA. 144+16 IS PER THE LA DOTD 1976 DESIGN OF THE CREEK.
  - EXIST. BTM. OF CREEK ELEV. AND TOP OF CREEK BANK ELEV. NOT VERIFIED.
  - LOCATIONS, SIZES AND DEPTHS OF EXIST. UTILITY CROSSINGS SHOWN ARE NOT VERIFIED. ADDITIONAL UTILITY LINES MAY BE PRESENT.
  - CONTRACTOR TO VERIFY EXIST. ELEVATIONS AT MAJOR CONFLUENCES AND CROSSINGS OF CREEK PRIOR TO CONSTRUCTION.



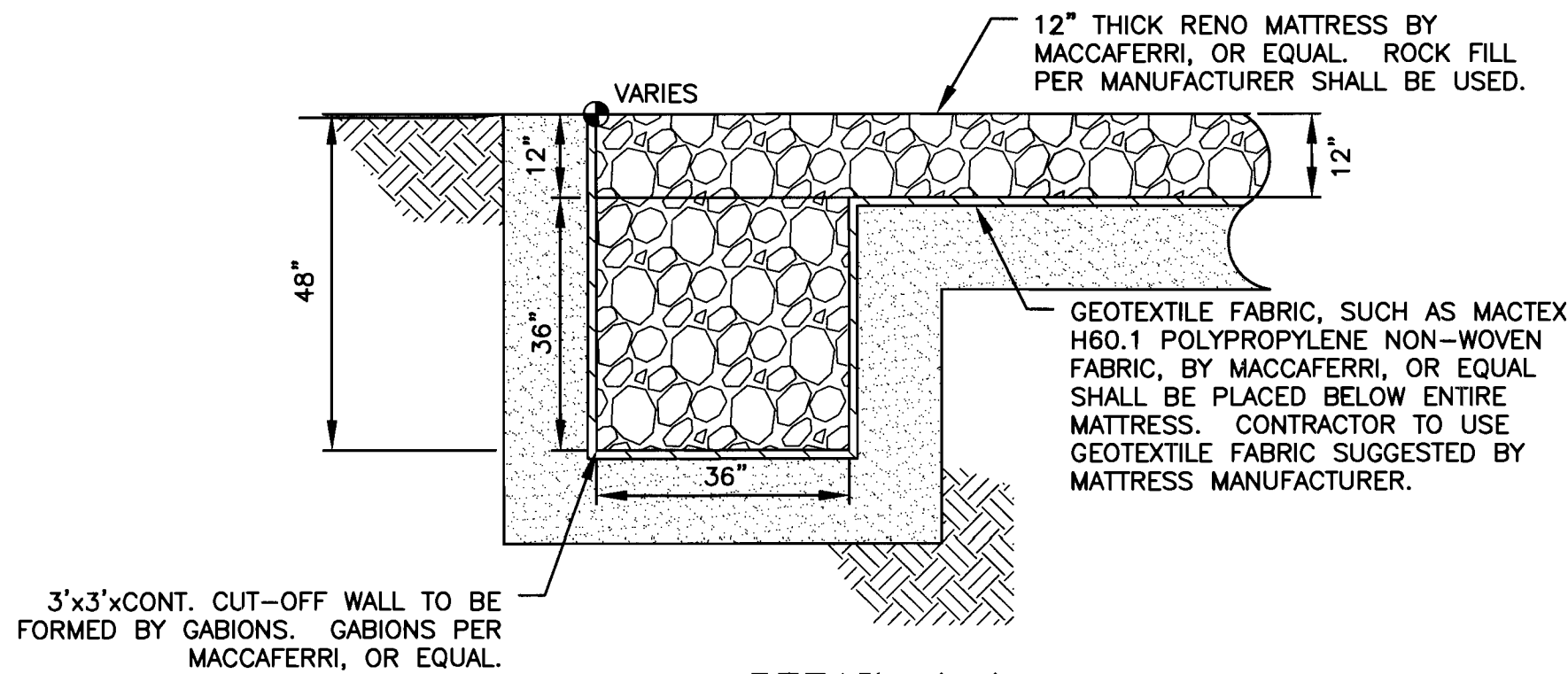
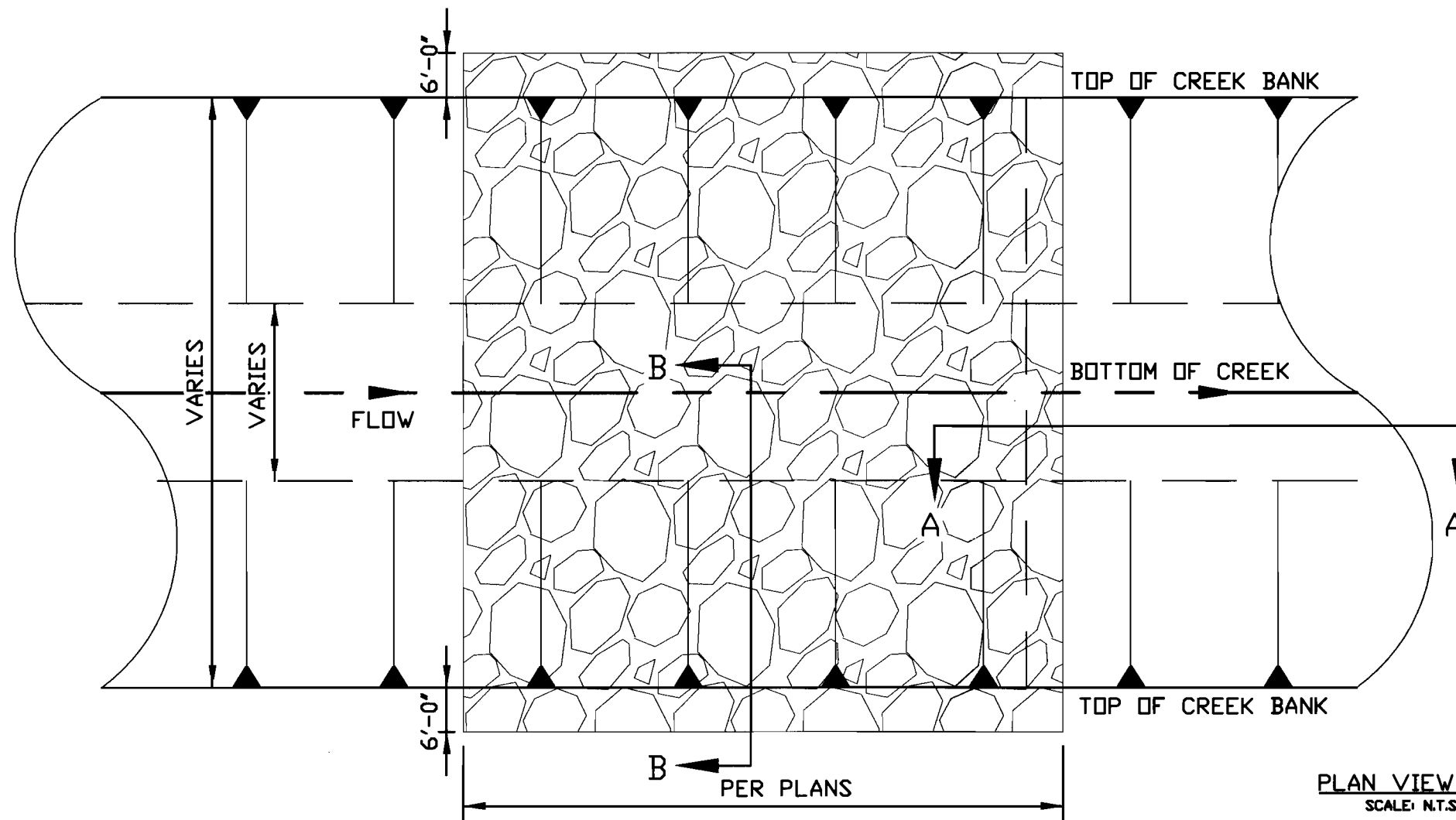
05-06-14



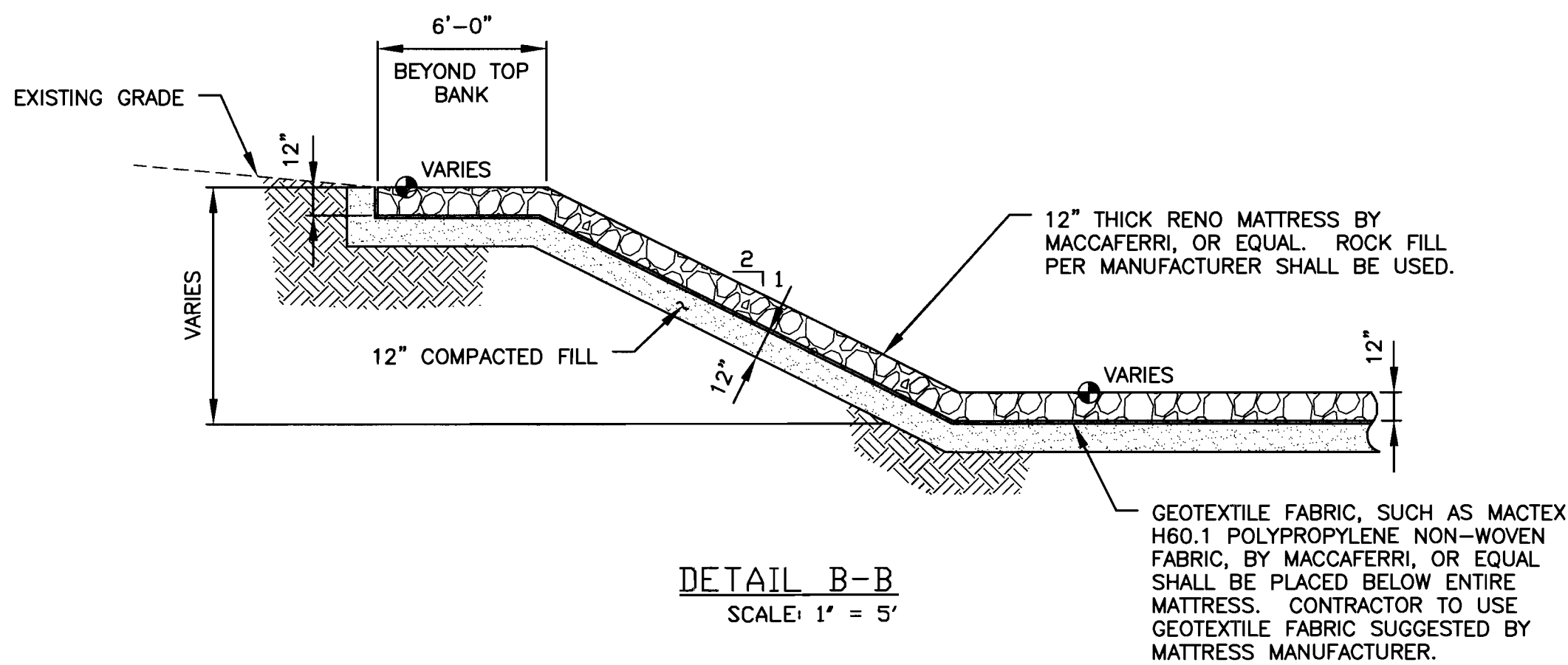
REVISIONS $\Delta$			PROFILE 3		
ENGINEER	DRAWN BY	DATE	HORIZ. SCALE	DRAWN BY	PROJECT NO.
CS	C.GOODING	09/28/12	1" = 1,000'	C.GOODING	11-11-584E
CS	C.GOODING	04/11/14	VERT. SCALE	DATE	FILE NAME
			N/A	04/11/14	PROFILE 1
			HURRICANE CREEK DRAINAGE IMPROVEMENTS		
			Caldwell Parish Police Jury		
			DRAWING NUMBER		
			16		



- NOTES:
1. GABIONS AND MATTRESSES SHALL CONFORM TO ASTM A975.
  2. GABIONS SHALL BE ZINC AND PVC COATED.
  3. BACKFILL AND FOUNDATION SOIL SHALL BE COMPACTED TO A MINIMUM OF 90% OF MODIFIED PROCTOR DENSITY (ASTM D1557) AT A MOISTURE CONTENT OF  $\pm 2\%$  OF OPTIMAL MOISTURE CONTENT.
  4. GABION FILL SHALL CONFORM TO ASTM D6711 WITH A ROCK SIZE BETWEEN 4" TO 8" (D50=6"), ROCK MIN. UNIT WEIGHT OF 165 PCF, AND A MAX. 30% VOIDS.
- INSTALLATION INSTRUCTIONS:
1. INSTALL MATTRESSES PER MANUFACTURER INSTRUCTIONS.
  2. ASSEMBLE MATTRESSES, PLACE IN APPROPRIATE LOCATION AND SECURELY ATTACH ADJACENT UNITS PRIOR TO FILLING.
  3. ALL ADJACENT UNITS SHALL BE CONNECTED BY EITHER LACING WIRE OR RING FASTENERS ALONG THE EDGES OF THEIR CONTACT SURFACES PRIOR TO FILLING.
  4. ON SLOPES GREATER THAN 4:1, THE MATTRESSES SHOULD BE LAID WITH THE WIDTH PERPENDICULAR TO THE SLOPE.
  5. LEVEL FILL 1" ABOVE TOP OF MESH.
  6. INSTALL BRACING WIRES VERTICALLY BETWEEN THE TOP AND BOTTOM MESH IN ALL AREAS.
  7. TOP EDGES OF DIAPHRAGMS SHALL BE EXPOSED.
  8. WIRE LIDS SHALL BE CONNECTED USING MANUFACTURER APPROVED TOOL. LIDS SHALL BE TIGHTLY CONNECTED ALONG ALL EDGES, ENDS, AND DIAPHRAGMS.
  9. SPACING OF RING FASTENERS OR LACING WIRE SHALL NOT EXCEED 6 INCHES.
  10. GEOTEXTILE FABRIC, SUCH AS H60.1 POLYPROPYLENE NON-WOVEN FABRIC BY MACCAFERRI, OR EQUAL, SHALL BE PLACED BELOW ENTIRE MATTRESS. CONTRACTOR TO USE GEOTEXTILE FABRIC SUGGESTED BY MATTRESS MANUFACTURER.

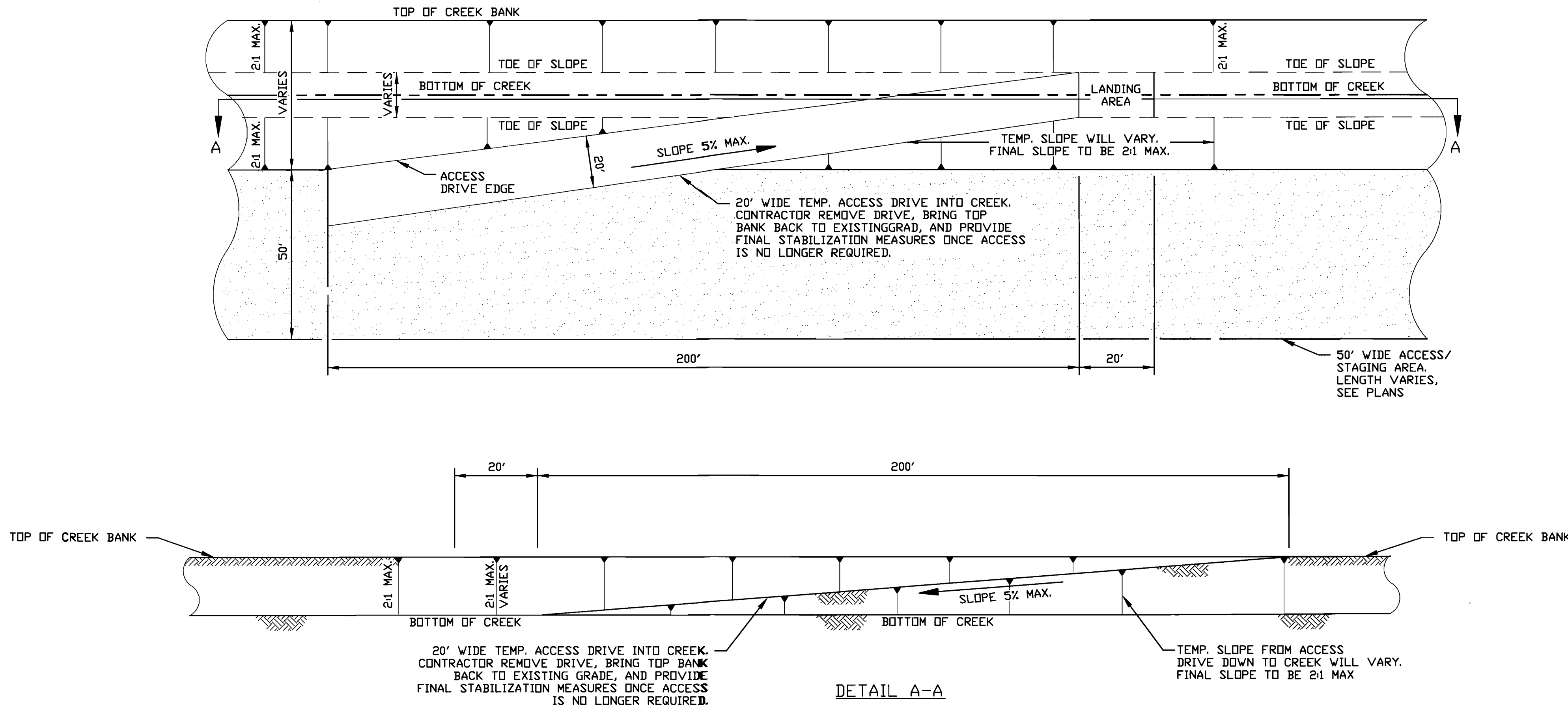


DETAIL A-A  
SCALE: 1' = 2'

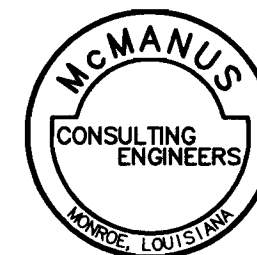
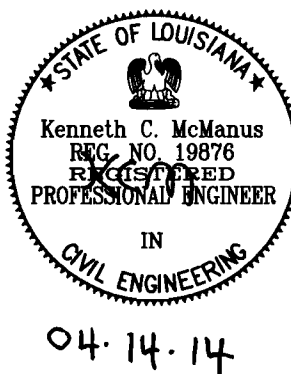


DETAIL B-B  
SCALE: 1' = 5'

RENO MATTRESS DETAIL



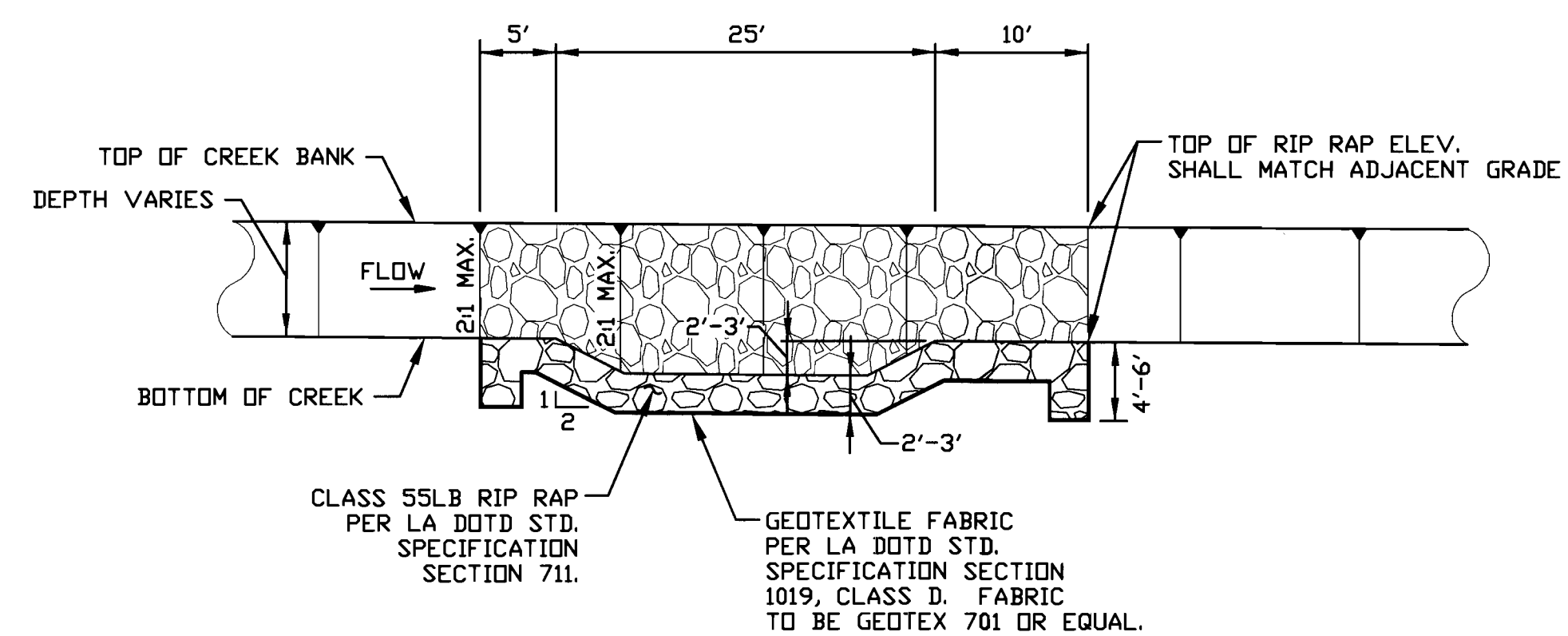
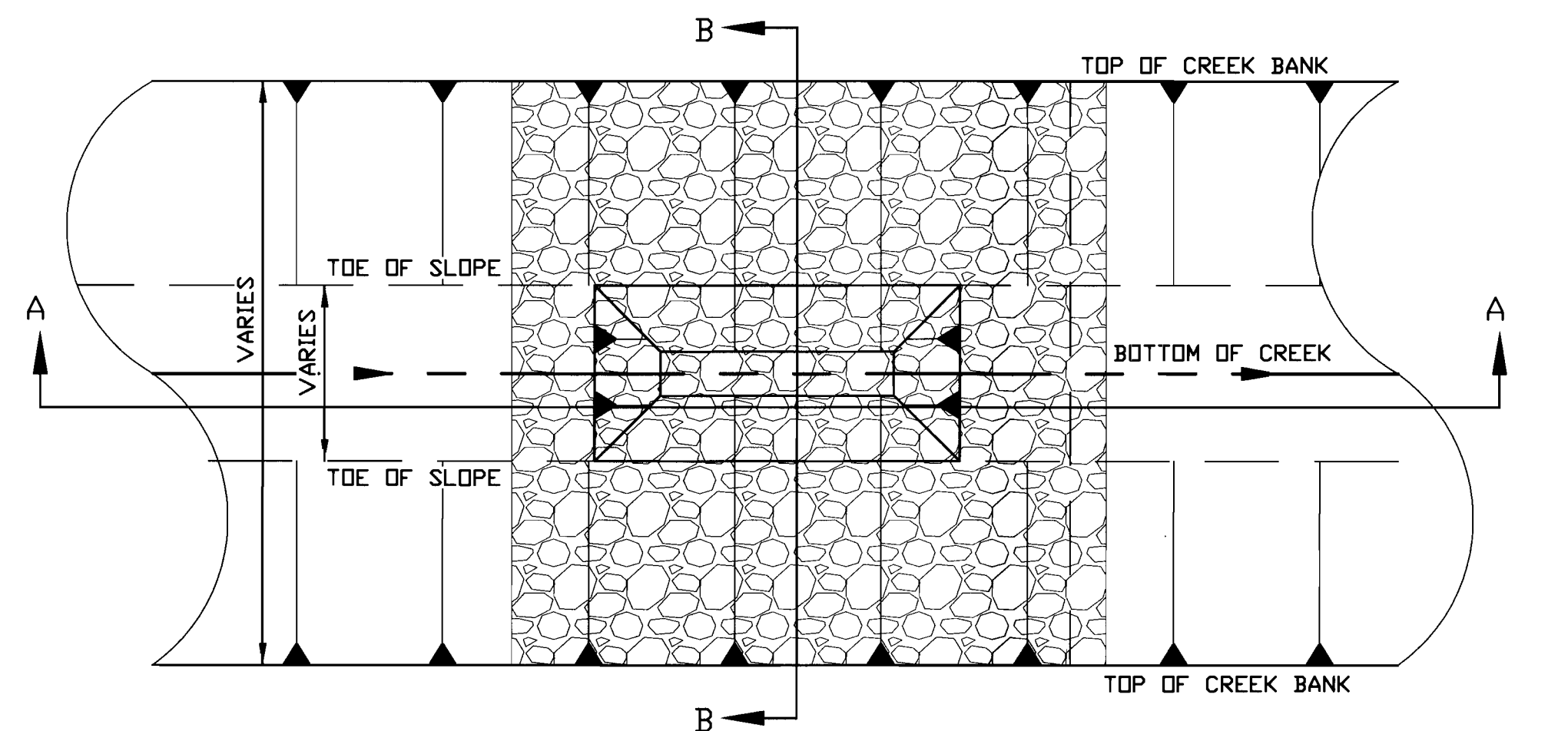
TEMPORARY ACCESS DRIVE INTO CREEK  
SCALE: 1' = 20'



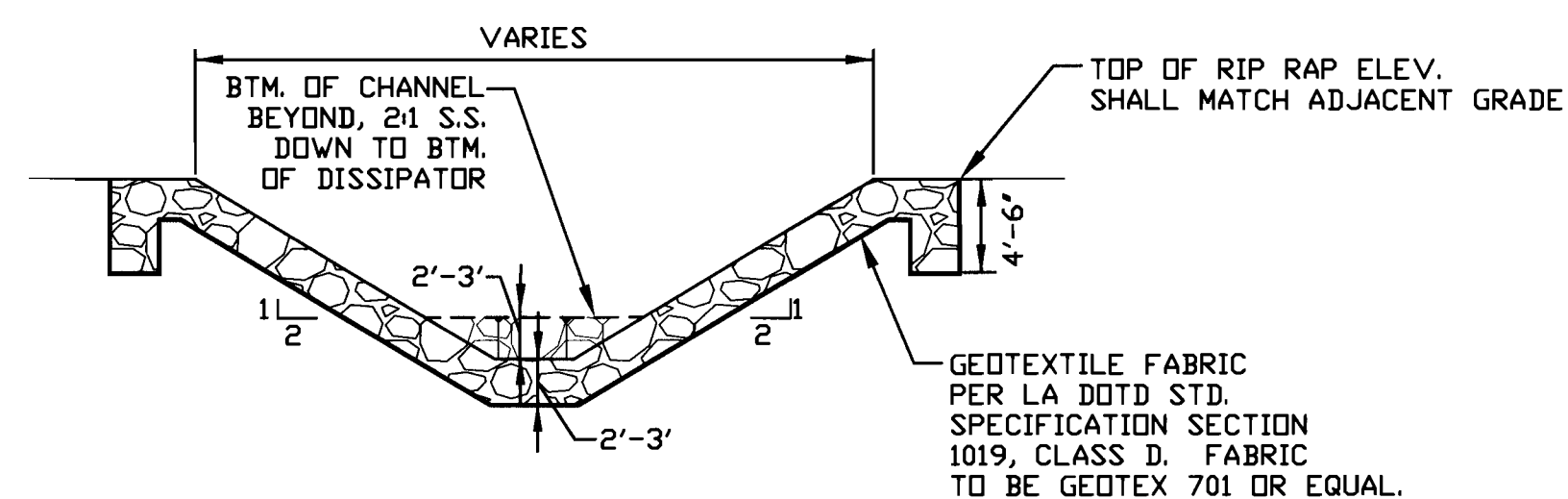
REVISIONS		
ENGINEER	DRAWN BY	DATE

DETAILS 1			
HORIZ. SCALE	VARIES	DRAWN BY	C.GOODING
VERT. SCALE	N/A	DATE	04/11/14
HURRICANE CREEK DRAINAGE IMPROVEMENTS		PROJECT NO.	11-11-584E
CALDWELL PARISH POLICE JURY		FILE NAME	DETAILS 1
		DRAWING NUMBER	17





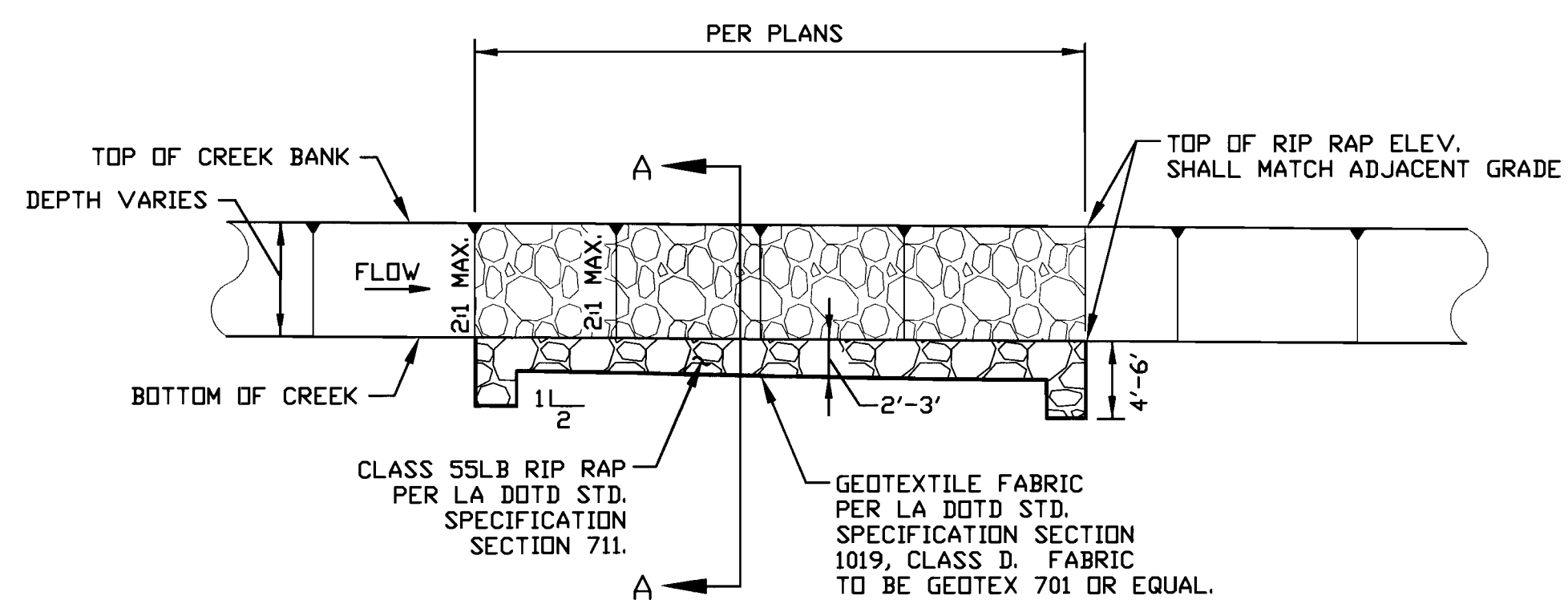
DETAIL A-A



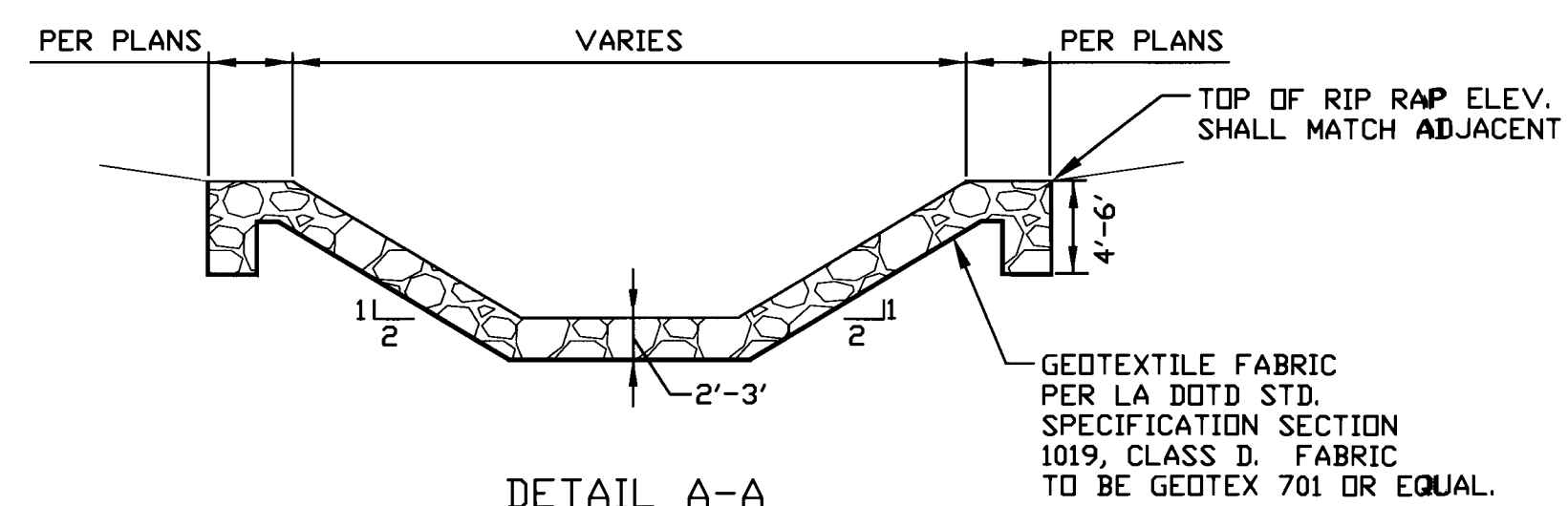
DETAIL B-B

RIP RAP DISSIPATOR AND APRON

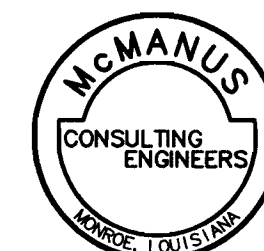
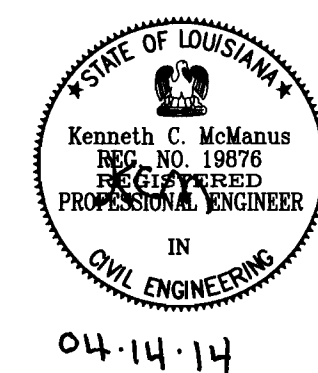
SCALE: 1" = 10'



RIP RAP  
SCALE: 1" = 10'



DETAIL A-A



REVISIONS			DETAILS 2		
ENGINEER	DRAWN BY	DATE	HORIZ. SCALE	DRAWN BY	PROJECT NO.
CC	C.GOODING	05/28/12	VARIES	C.GOODING	11-11-584E
CC	C.GOODING	04/11/14	VERT. SCALE	DATE	FILE NAME
			N/A	04/11/14	SECTIONS
			HURRICANE CREEK DRAINAGE IMPROVEMENTS		
			CALDWELL PARISH POLICE JURY		
			DRAWING NUMBER		
			17A		



PROP. CLASS 250 LB RIP RAP PER DOTD STD. SPECIFICATION 711. DEPTH OF PAD TO BE 2.5' RIP RAP SHALL EXTEND BEYOND TOP BANK (230 C.Y.). SEE RIP RAP DETAIL ON SHEET 12.

PROP. 20' WIDE TEMP. ACCESS AREA

REPAIR PAVED ROAD - 2 APPL. AST. OVER 8 1/2" CRUSHED STONE (124 L.F. MIN.)

PROP. STORM DRAINS INV. OUT - 185.83

PROP. PRECAST CONCRETE STORM DRAIN MANHOLE (16'x16').

SEE UTILITY CROSSING PLANS AND DETAILS FOR MORE INFORMATION REGARDING EXISTING UTILITIES.

HOME HARDWARE & FAMILY DOLLAR STORE

EXISTING CREEK TO BE BROUGHT TO FINAL GRADE WITH COMPACTED BACKFILL PER SPECIFICATION SECTION 100 (620 C.Y.).

PROP. (2) 54" RCP, CLASS III - 104 L.F.± - S=0.0184FT/FT

EXISTING (2) 36" RCP CULVERTS AND CONCRETE DRIVE WITH HEADWALLS TO BE REMOVED (128 C.Y.). CONCRETE DRIVE FROM JOINT TO JOINT TO BE REPLACED (120 C.Y.). 3,000 PSI @ 28 DAYS, NO FLY ASH.

PROP. (2) 54" RCP, CLASS III - 34 L.F.± - S=0.0184FT/FT

CONTRACTOR TO REALIGN CREEK AS NECESSARY TO OBTAIN 5 FT. OF RIP RAP BEYOND THE TOP BANK OF THE CREEK, AND NOT DISTURB THE ADJACENT EXISTING FENCE.

PROP. CLASS 250 LB RIP RAP PER DOTD STD. SPECIFICATION 711. DEPTH OF PAD TO BE 2.5' RIP RAP SHALL EXTEND BEYOND TOP BANK (345 C.Y.). SEE RIP RAP DETAIL ON SHEET 12.

STA. 518+50 STORM DRAINS INV. 186.57

PROP. STORM DRAINS INV. IN 187.94

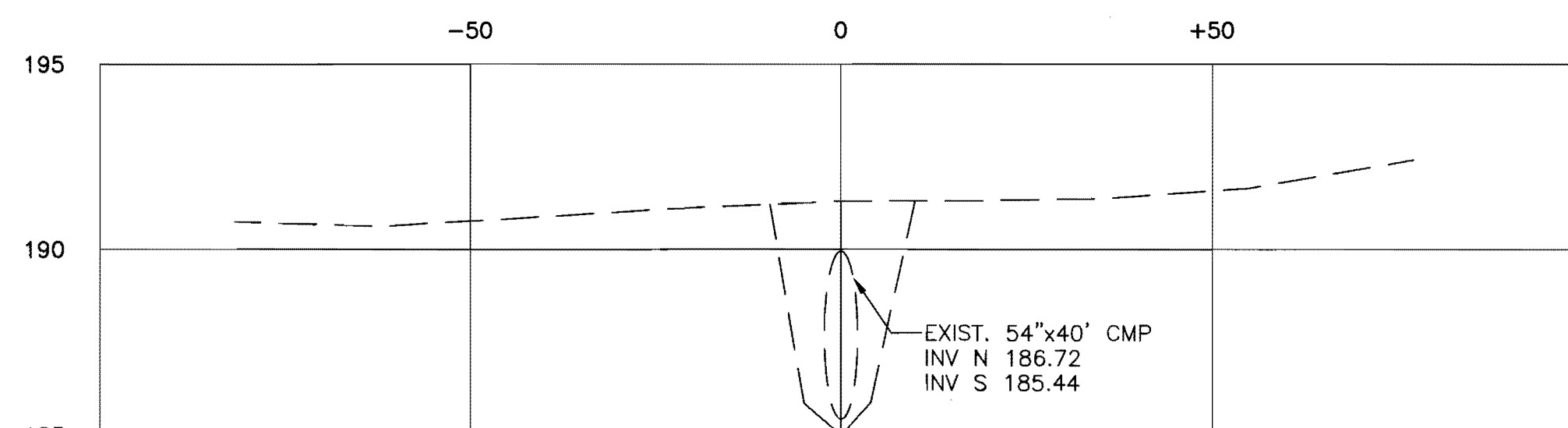
PROP. PRECAST CONCRETE STORM DRAIN MANHOLES (18'x16')

MARTIN LUTHER ST. PLAN VIEW  
SCALE: 1" = 15' HORIZ.

ED ALONG  
DISTURBED

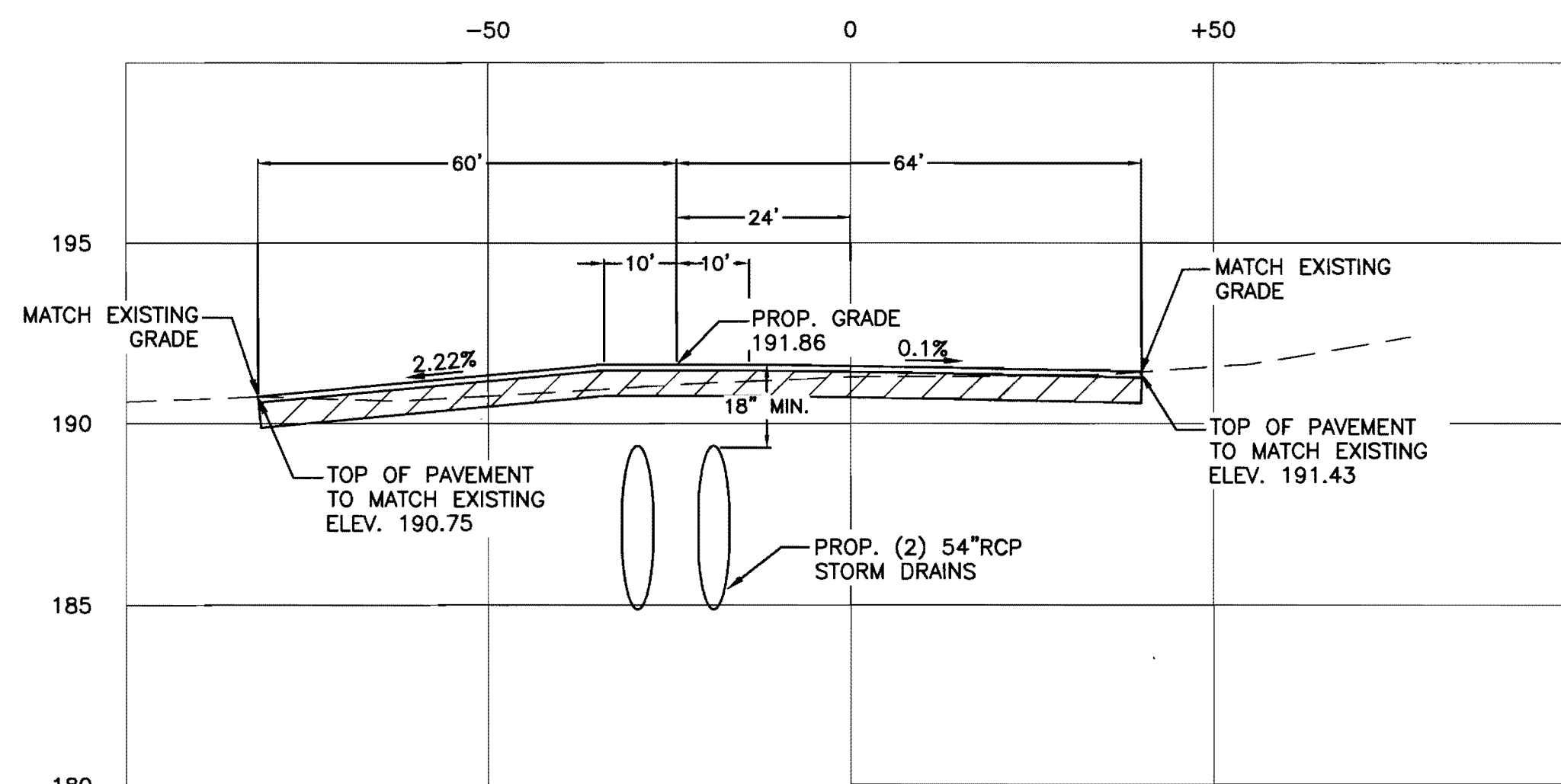
HOUSE

MOBILE HOME



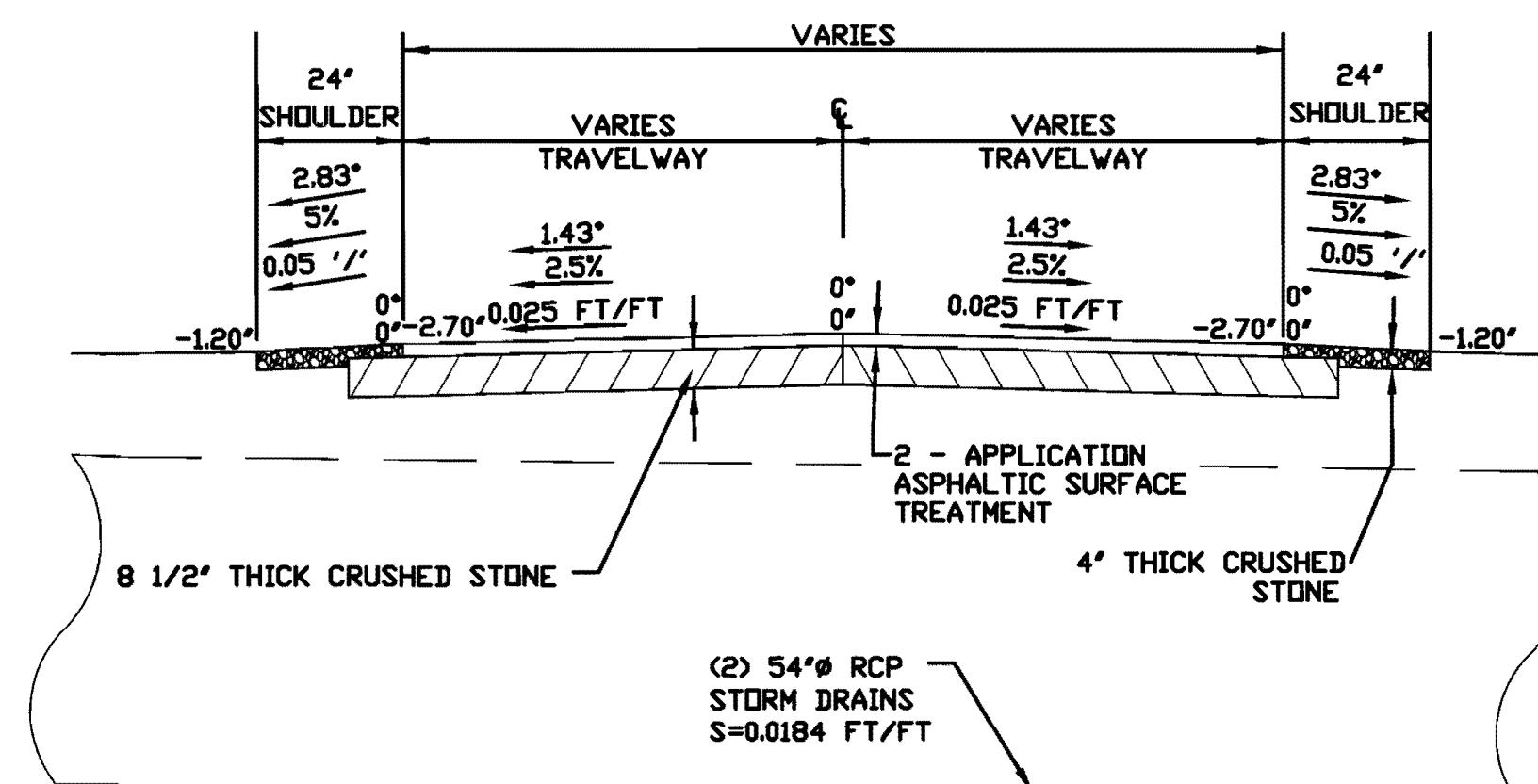
EXISTING MARTIN LUTHER ST.  
@ STA. 516+96

SCALE: 1" = 20' HORIZ.  
1" = 4' VERT.

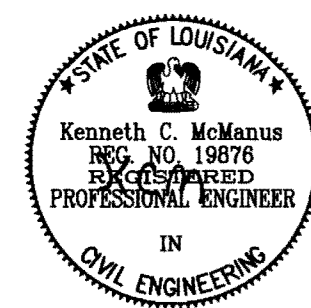


PROPOSED MARTIN LUTHER ST.  
@ STA. 516+96

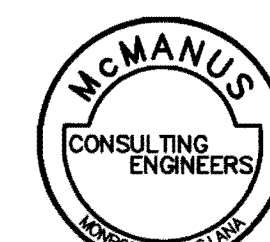
SCALE: 1" = 20' HORIZ.  
1" = 4' VERT.



MARTIN LUTHER ST. CROSS SECTION  
SCALE: N.T.S.



04-14-14



REVISIONS		
NO.	DESCRIPTION	DATE
1	AS SHOWN	04/11/14

DETAILS  
MARTIN LUTHER ST.

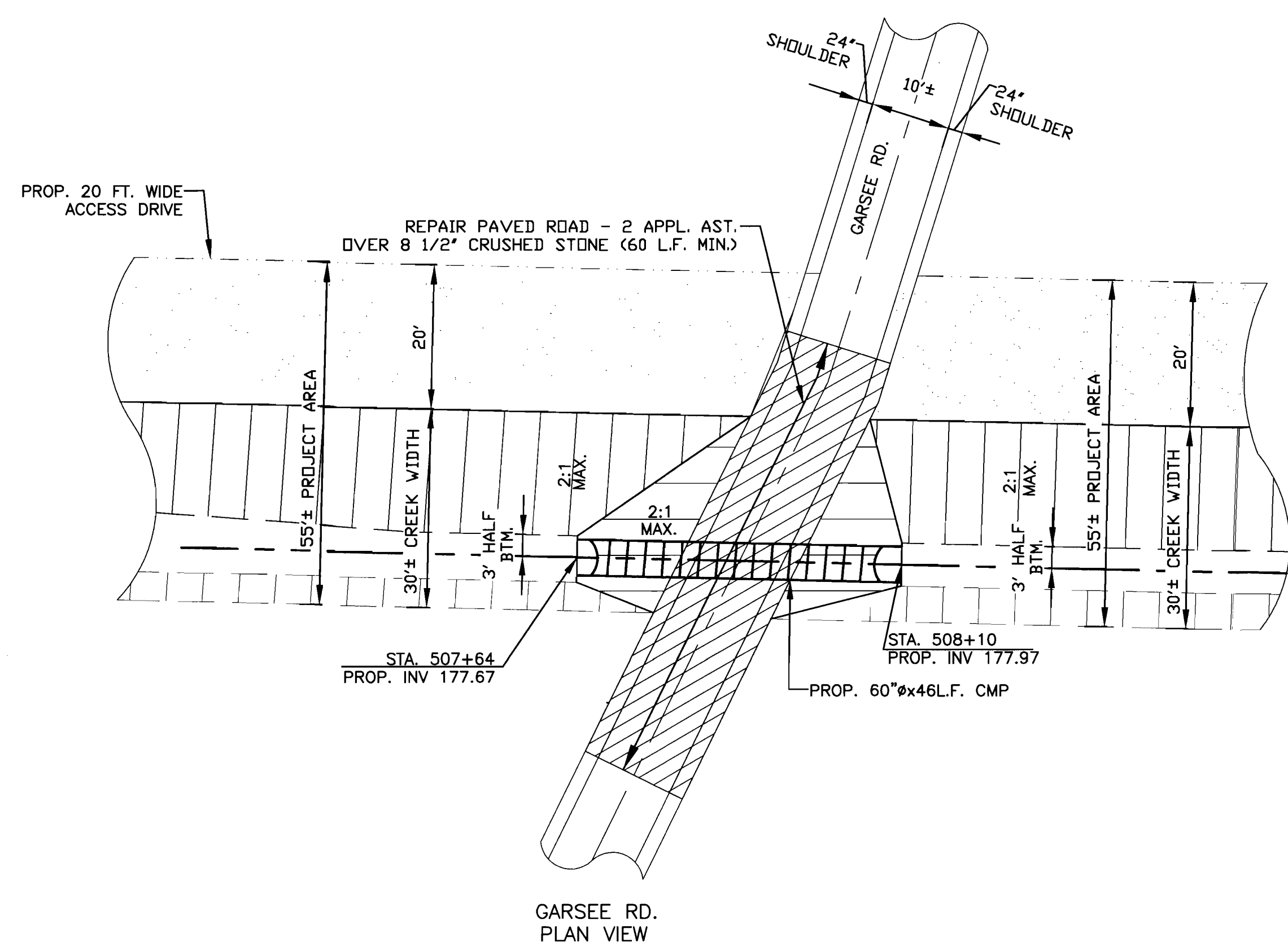
HORZ. SCALE 1" = 20' DRAWN BY C. GOODING PROJECT NO. 11-11-584E  
VERT. SCALE 1" = 4' DATE 04/11/14 FILE NAME DETAILS

HURRICANE CREEK DRAINAGE IMPROVEMENTS

CALDWELL PARISH POLICE JURY

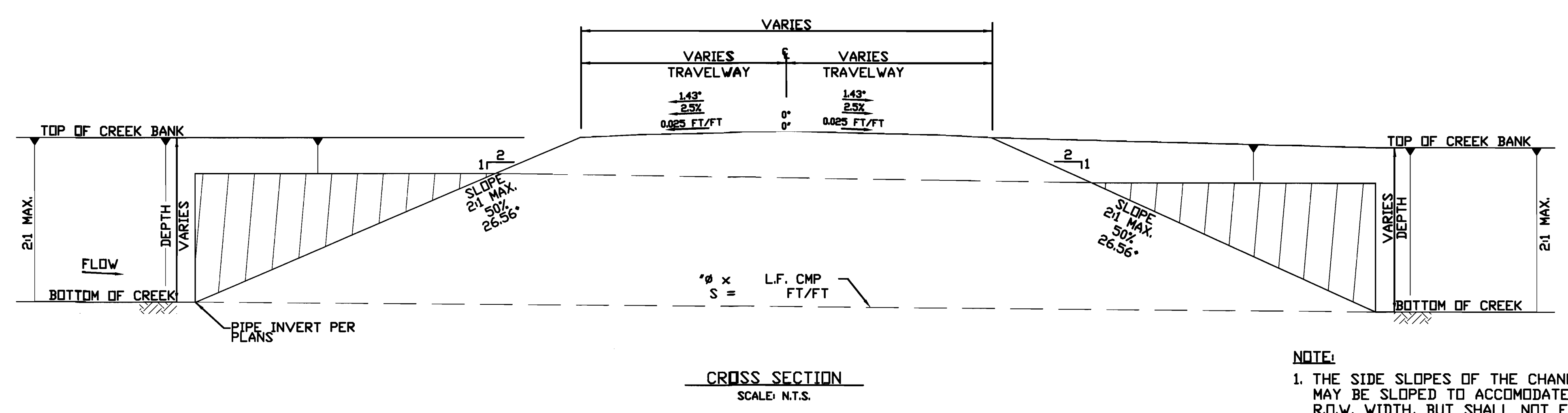
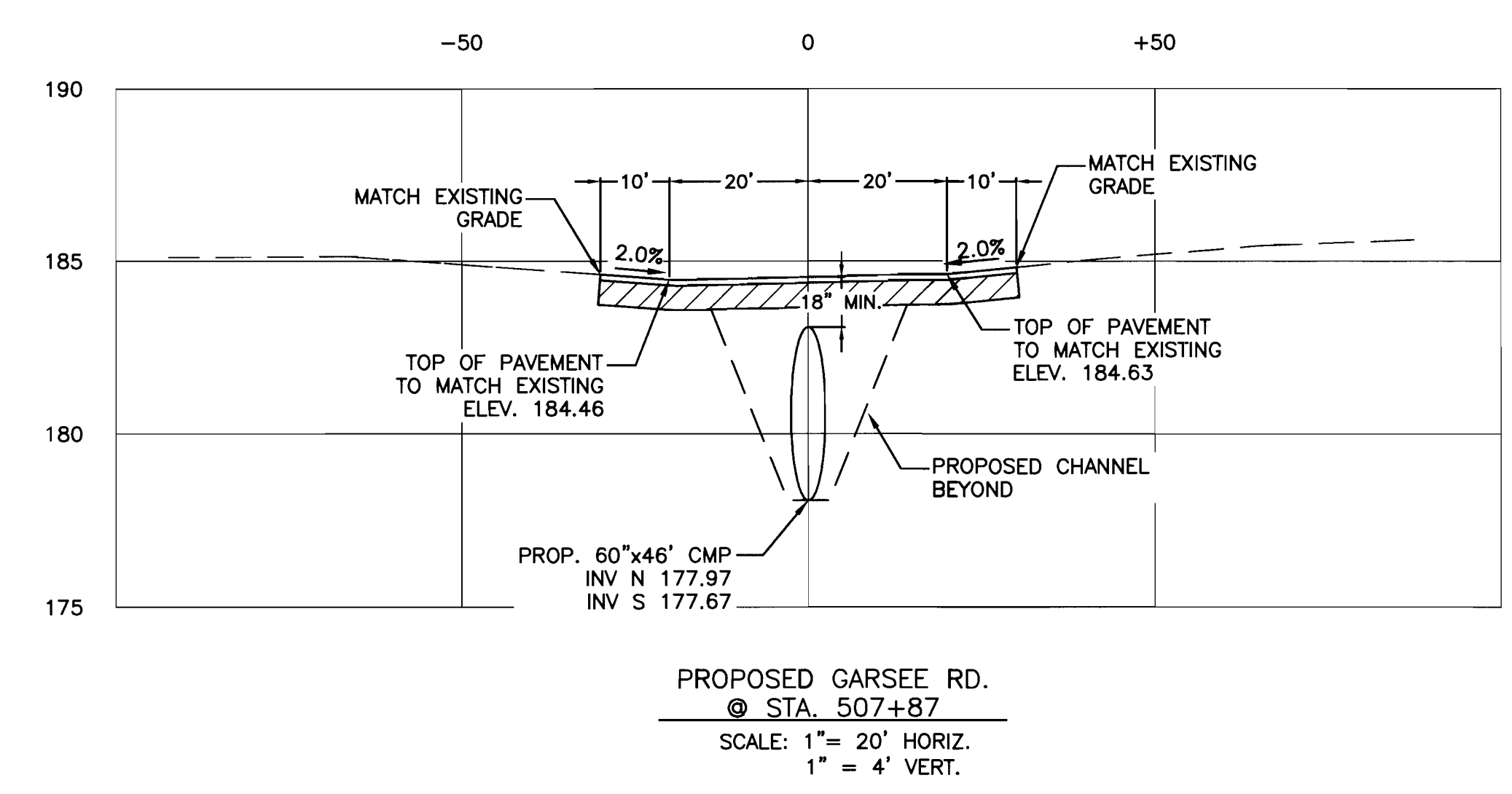
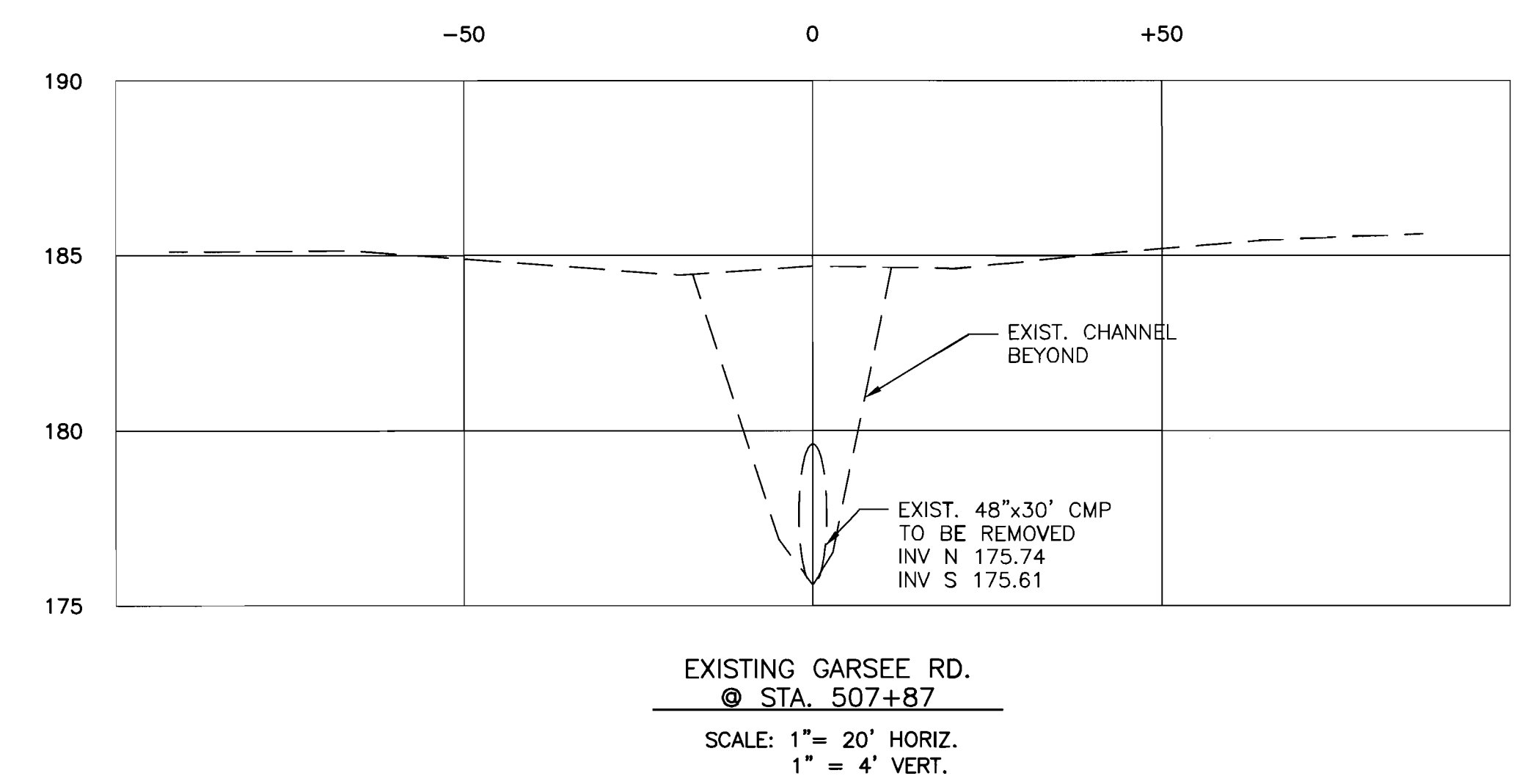
18



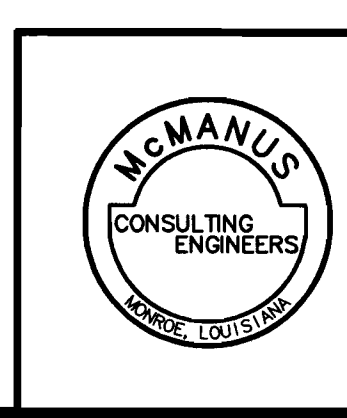
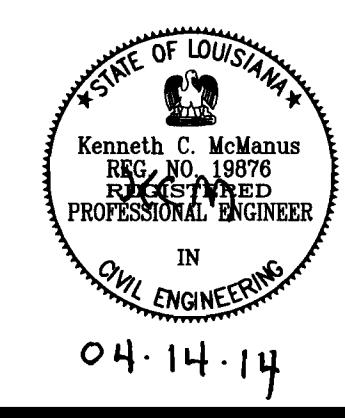


GARSEE RD.  
PLAN VIEW  
SCALE: 1" = 15' HORIZ.

SEE UTILITY CROSSING PLANS  
AND DETAILS FOR MORE  
INFORMATION REGARDING  
EXISTING UTILITIES.

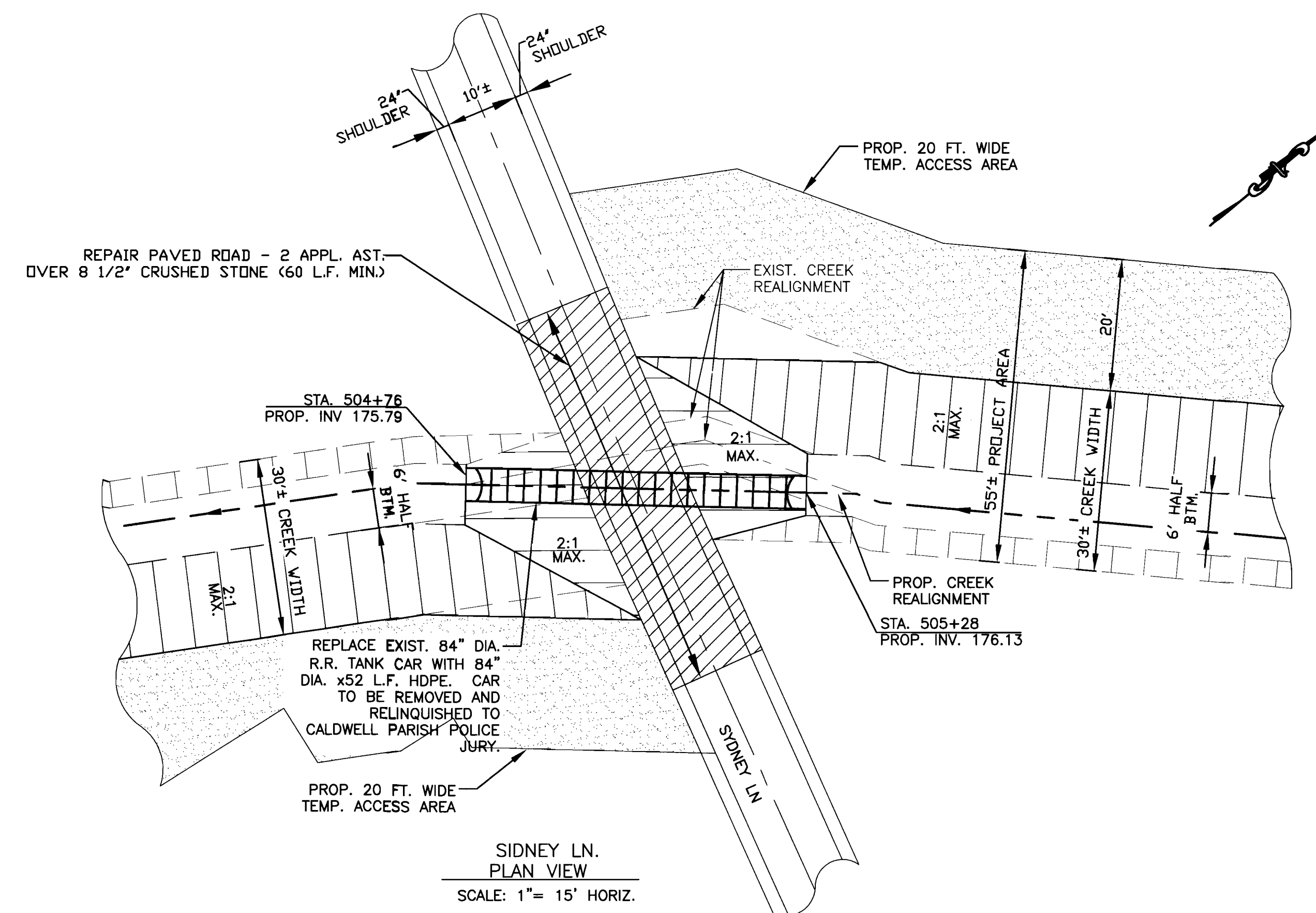


NOTE:  
1. THE SIDE SLOPES OF THE CHANNEL  
MAY BE SLOPED TO ACCOMMODATE A  
R.O.W. WIDTH, BUT SHALL NOT EXCEED  
2:1 SLOPE

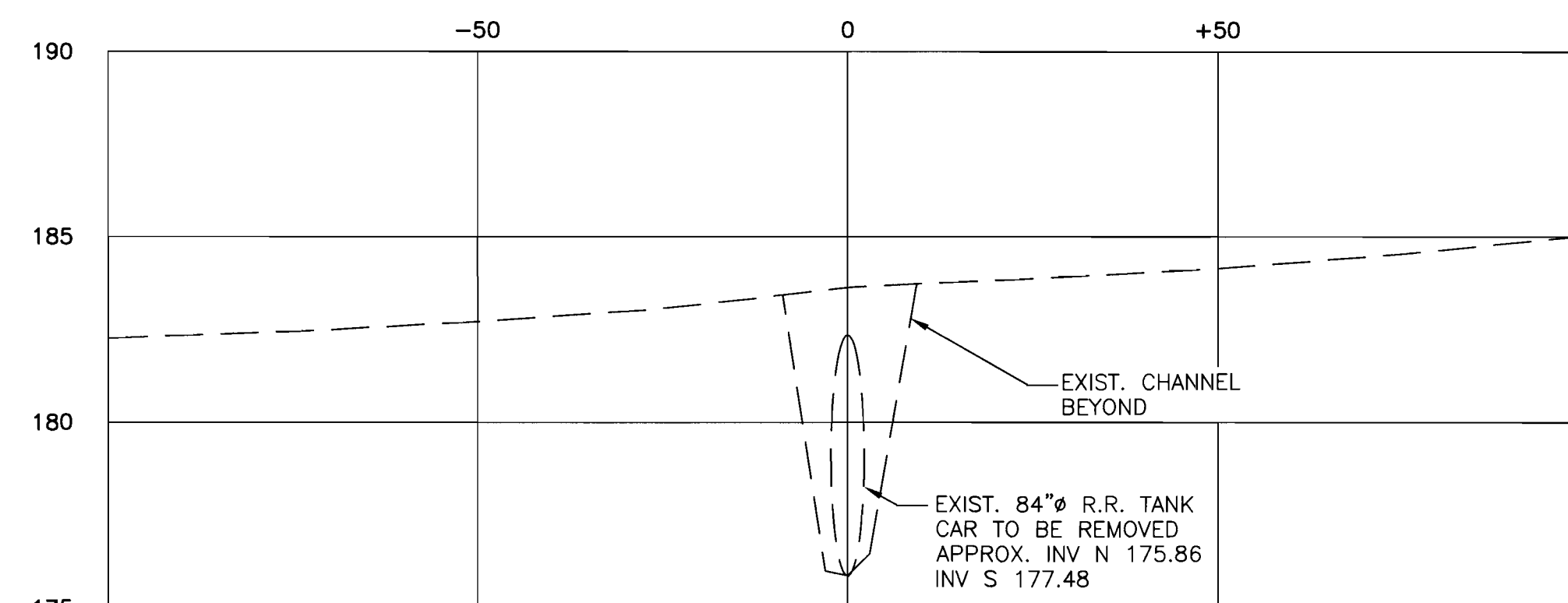


REVISIONS			DETAILS AT GARSEE RD.		
ENGINEER	DATE	REVISION	HORIZ. SCALE	DATE	PROJECT NO.
CS	09/26/12	1	1" = 20'	04/11/14	11-11-584E
CS	04/11/14	2	1" = 4'		DETAILS
			HURRICANE CREEK DRAINAGE IMPROVEMENTS		
			Caldwell Parish Police Jury		



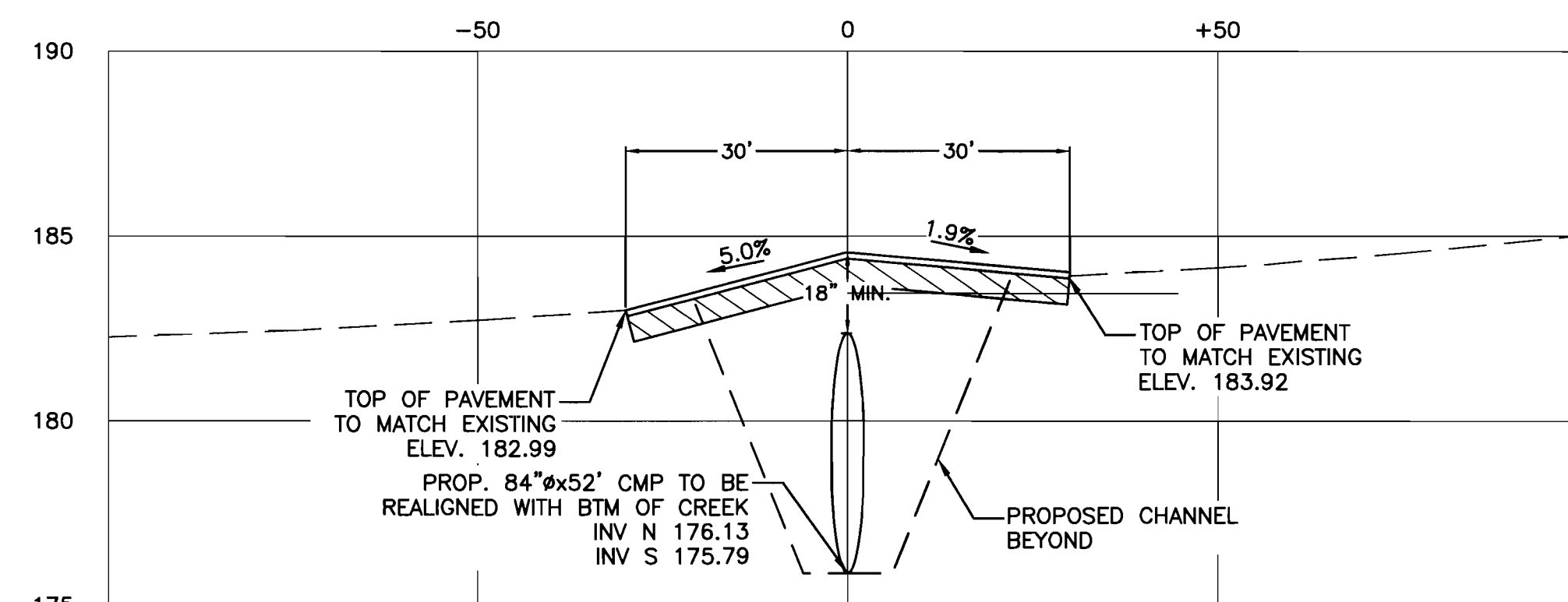


SEE UTILITY CROSSING PLANS AND DETAILS FOR MORE INFORMATION REGARDING EXISTING UTILITIES.



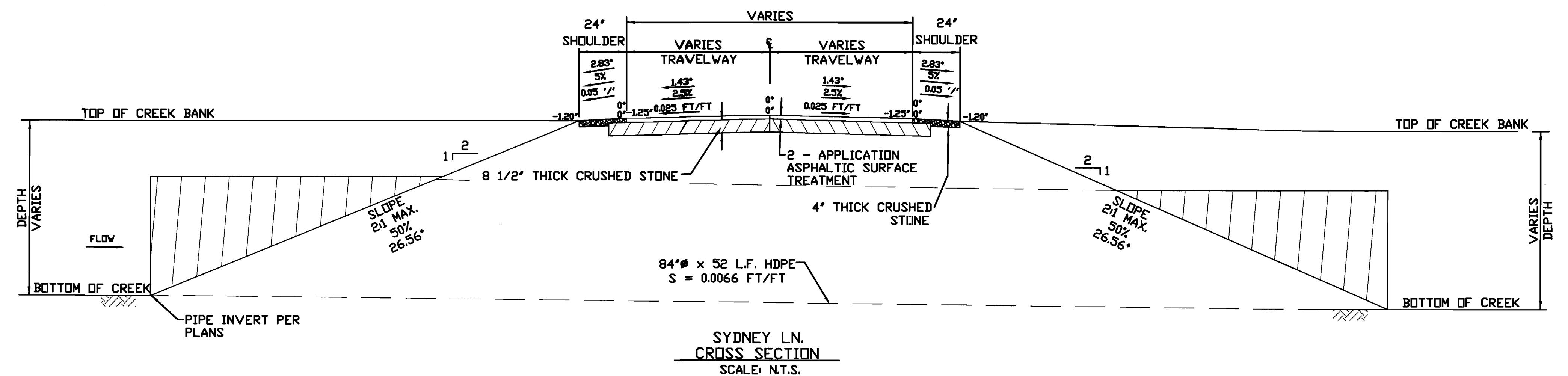
EXISTING SIDNEY LN.  
@ STA. 505+02

SCALE: 1" = 20' HORIZ.  
1" = 4' VERT.

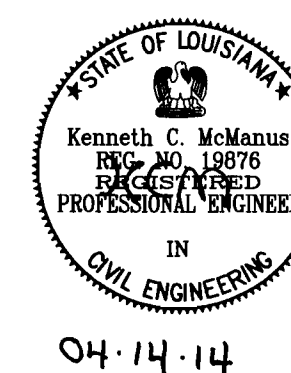


PROPOSED SIDNEY LN.  
@ STA. 505+02

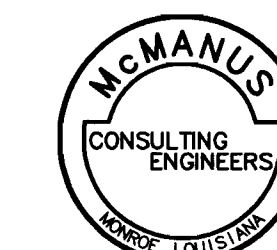
SCALE: 1" = 20' HORIZ.  
1" = 4' VERT.



NOTE:  
1. THE SIDE SLOPES OF THE CHANNEL MAY BE SLOPED TO ACCOMMODATE A R.O.W. WIDTH, BUT SHALL NOT EXCEED 2:1 SLOPE

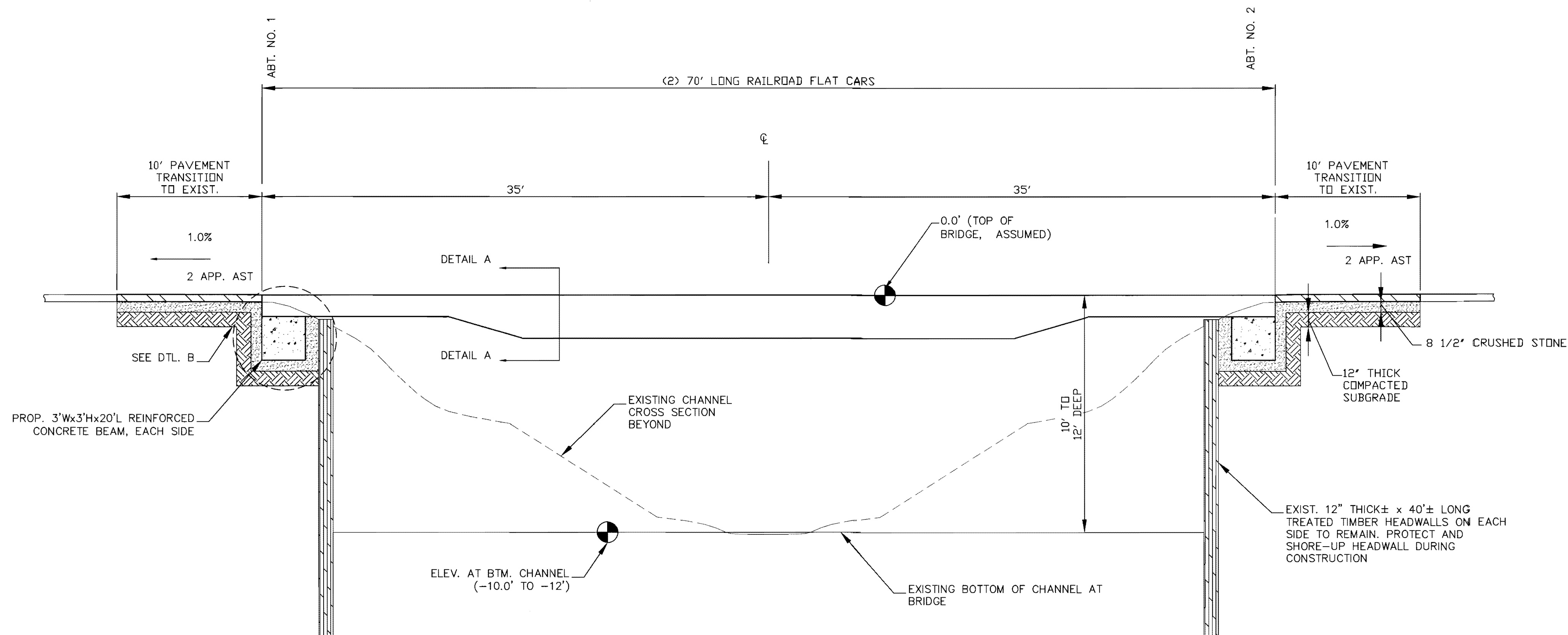


04.14.14



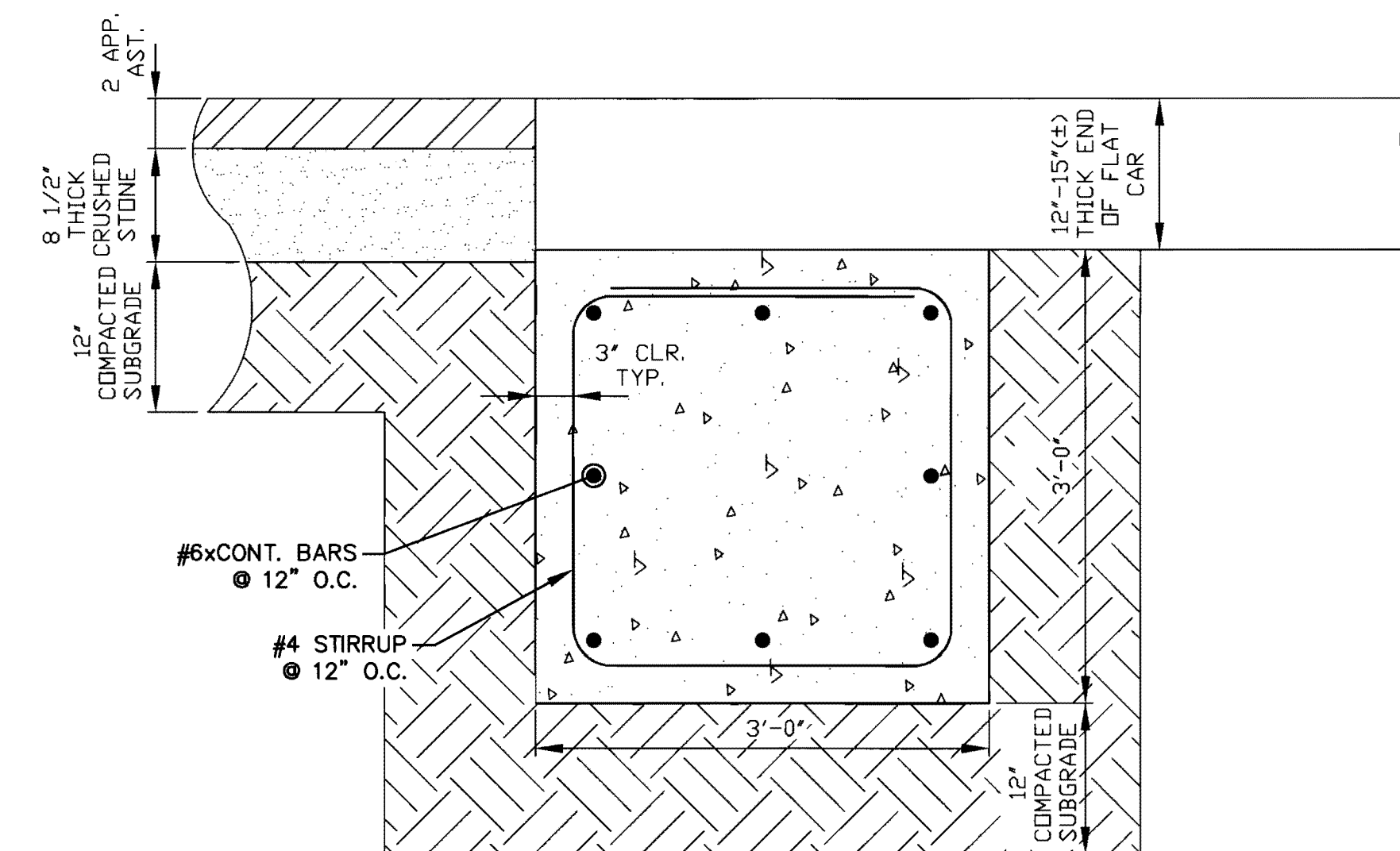
REVISIONS			DETAILS AT SIDNEY LN.		
ENGINEER	DRAWN BY	DATE	HORIZ. SCALE	DATE	PROJECT NO.
CS	C.GOODING	08/28/12	VARIES	C.GOODING	11-11-584E
CS	C.GOODING	04/11/14	N/A	04/11/14	FILE NAME
			HURRICANE CREEK DRAINAGE IMPROVEMENTS		
			CALDWELL PARISH POLICE JURY		
			DRAWING NUMBER		
			20		





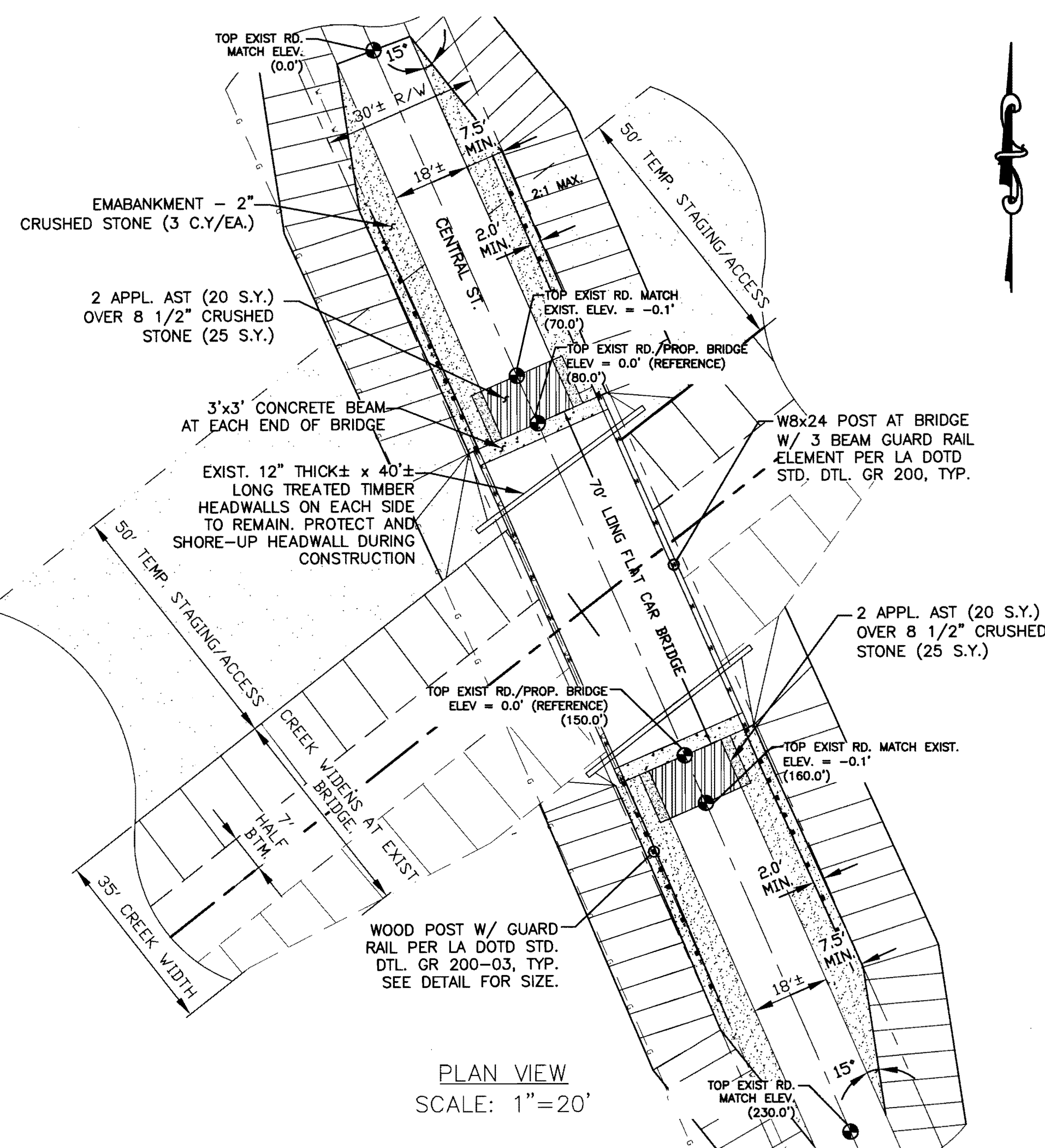
- NOTE:
- EXISTING TIMBER BRIDGE AND CENTER BENTS TO BE REMOVED. TREATED TIMBER HEADWALLS ARE TO REMAIN
  - 3,000 PSI CONCRETE @ 28 DAYS, NO FLY ASH.

ELEVATION VIEW  
SCALE: 1"=5'

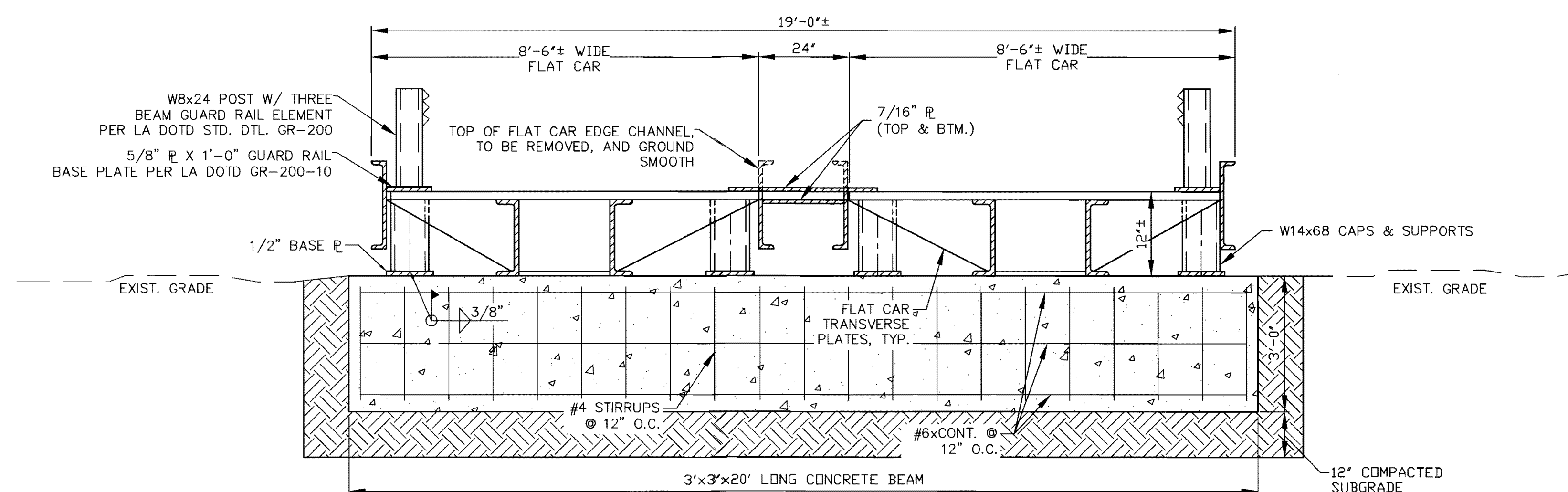


- NOTE:
- 3,000 PSI CONCRETE @ 28 DAYS, NO FLY ASH.

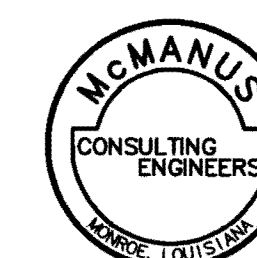
DETAIL B  
SCALE: 1"=1'



PLAN VIEW  
SCALE: 1"=20'



SECTION A-A  
SCALE: 1"=2'



REVISIONS			CENTRAL ST. BRIDGE		
ENGINEER	DRAWN BY	DATE	HORIZ. SCALE	VERT. SCALE	PROJECT NO.
			VARIABLES	N/A	11-11-584E
					DATE
					04/11/14
					FILE NAME
					BRIDGEDETAILS
					HURRICANE CREEK DRAINAGE IMPROVEMENTS
					CALDWELL PARISH POLICE JURY
					DRAWING NUMBER
					21

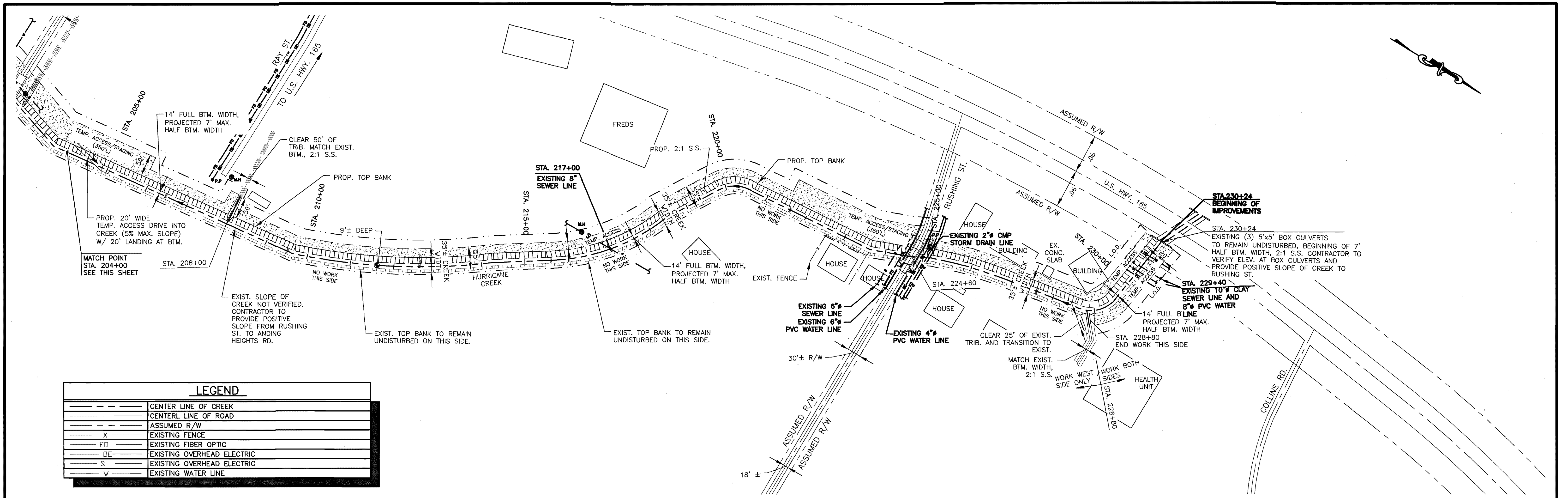




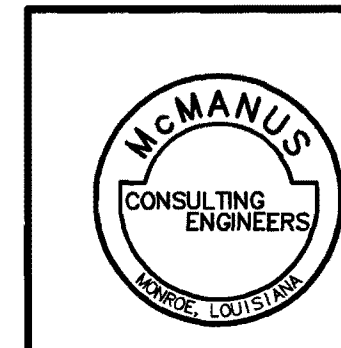
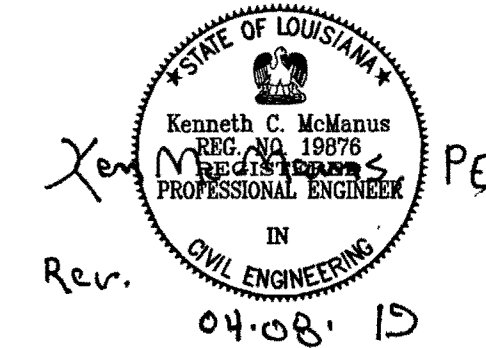
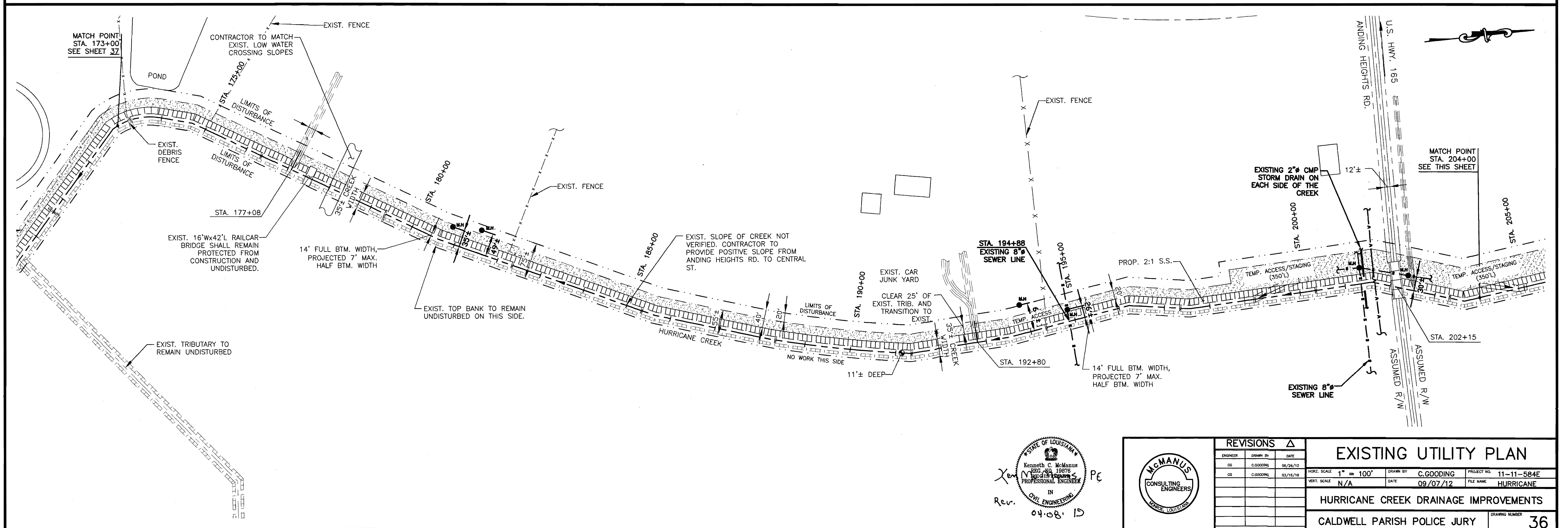








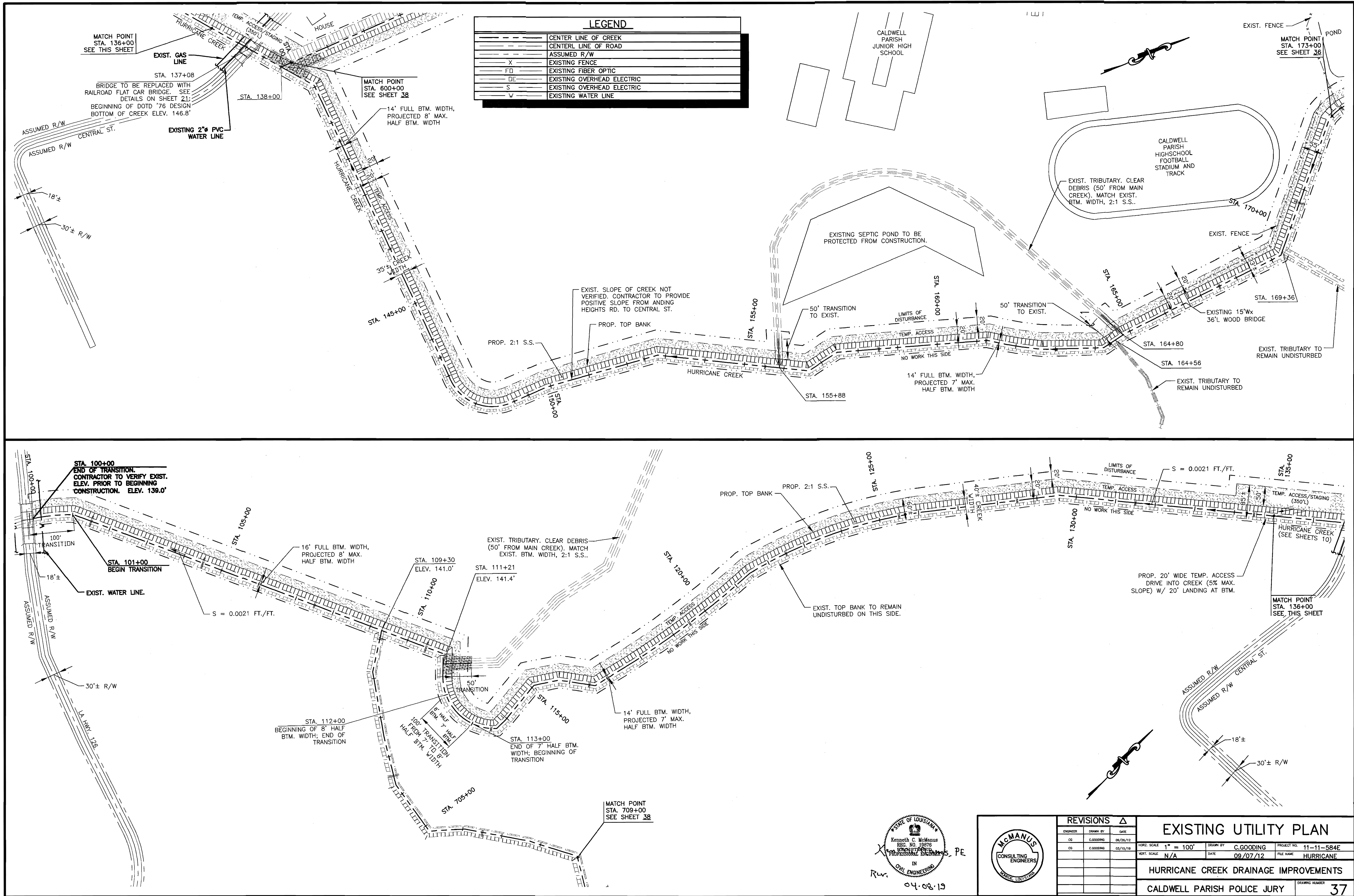
LEGEND	
---	CENTER LINE OF CREEK
---	CENTER LINE OF ROAD
---	ASSUMED R/W
X	EXISTING FENCE
FO	EXISTING FIBER OPTIC
OE	EXISTING OVERHEAD ELECTRIC
S	EXISTING OVERHEAD ELECTRIC
W	EXISTING WATER LINE



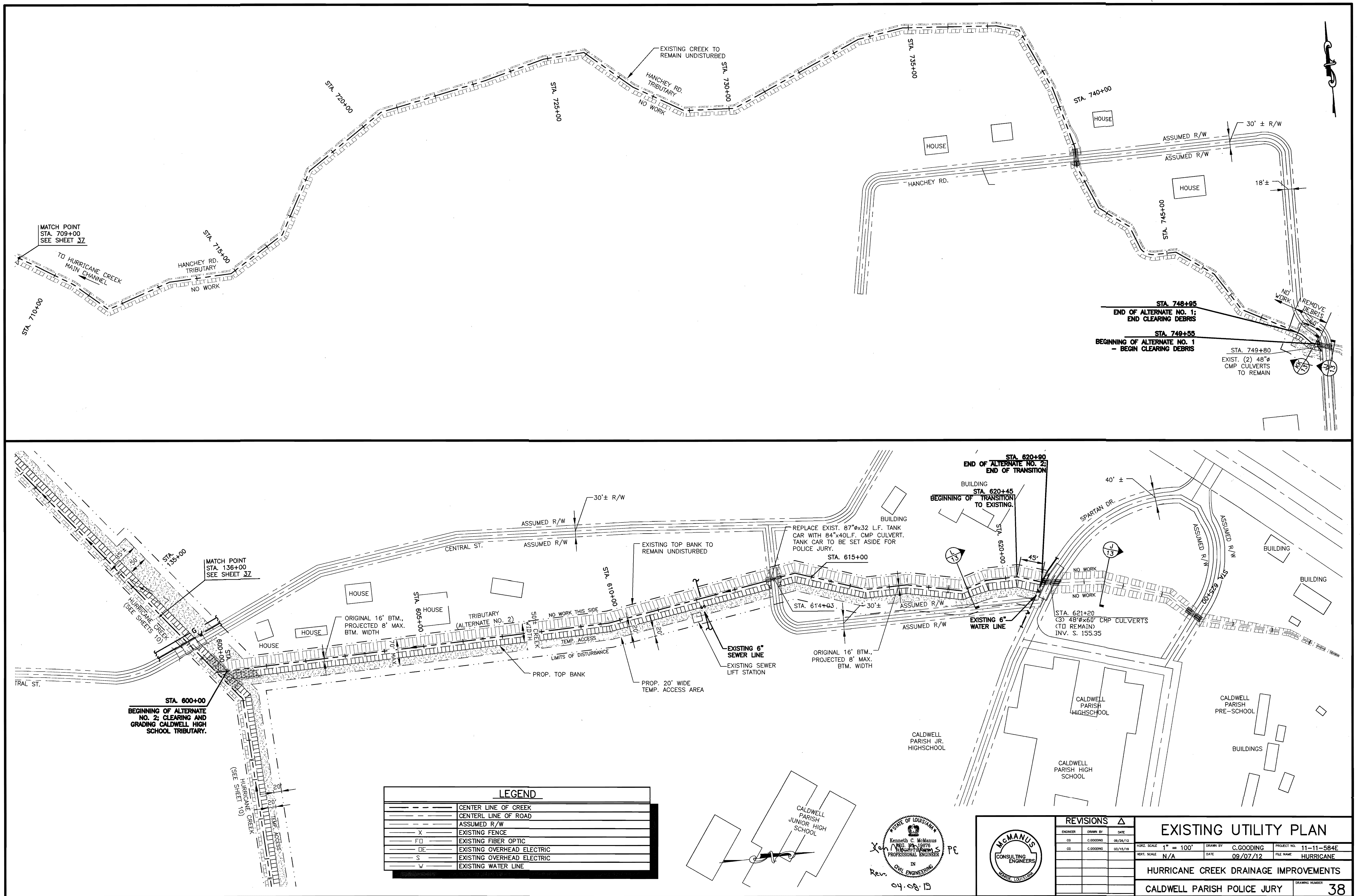
REVISIONS		
NO.	DESCRIPTION	DATE
01	C.D. GOODING	09/26/12
02	C.D. GOODING	09/18/12

EXISTING UTILITY PLAN			
HORIZ. SCALE	1" = 100'	DRAWN BY	C. GOODING
VERT. SCALE	N/A	DATE	09/07/12
HURRICANE CREEK DRAINAGE IMPROVEMENTS		PROJECT NO.	11-11-584E
Caldwell Parish Police Jury		FILE NAME	HURRICANE
DRAWING NUMBER		36	

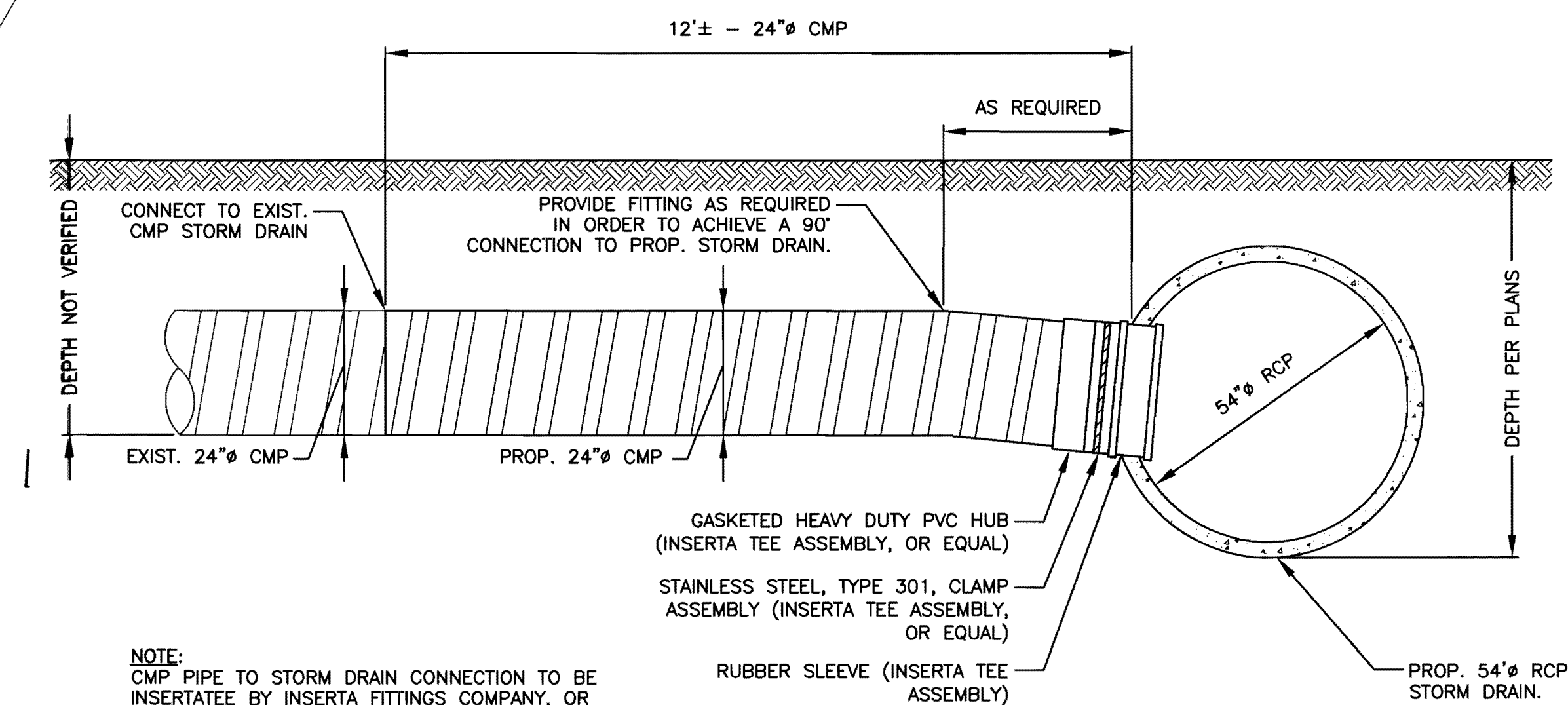
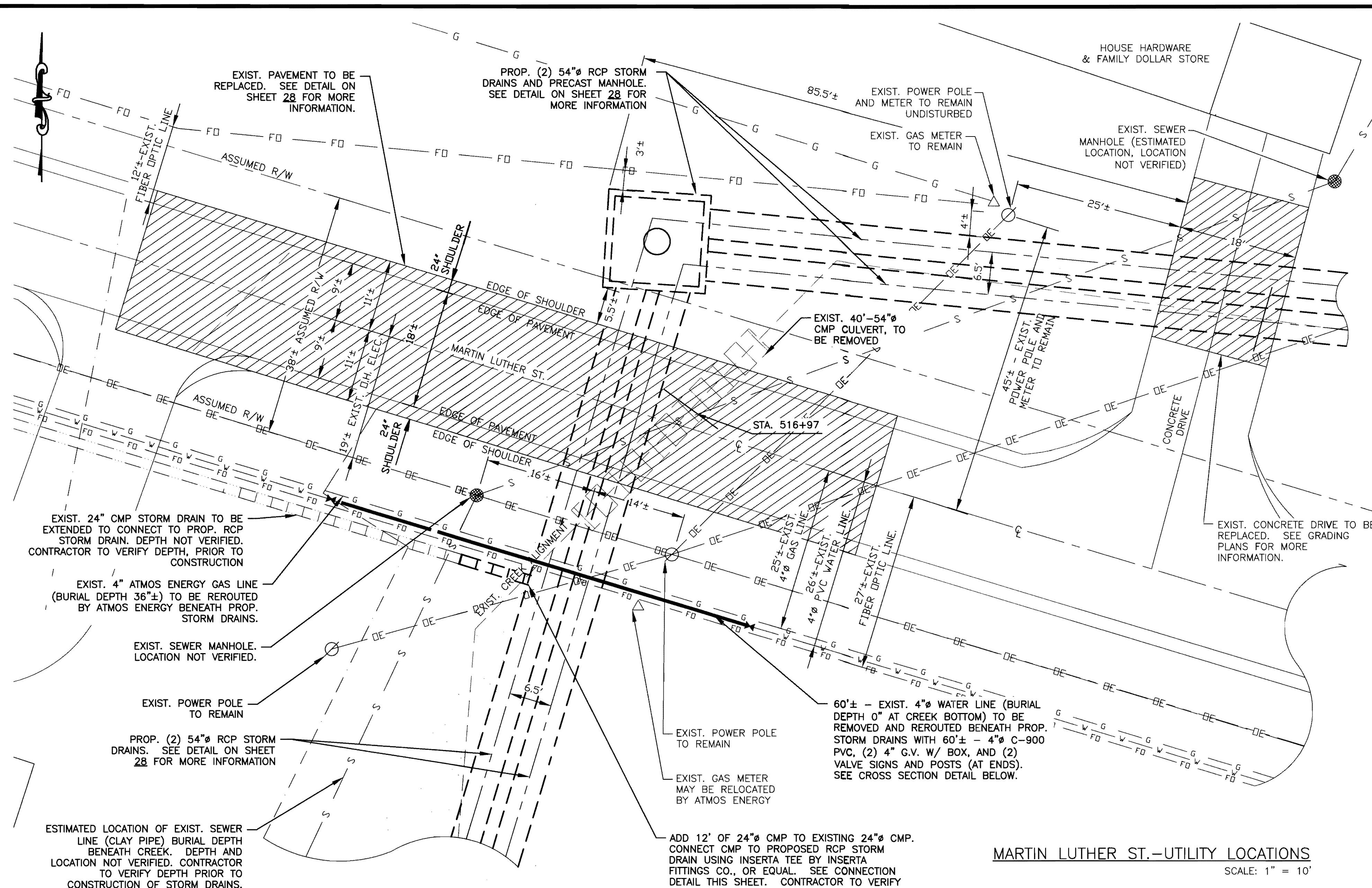






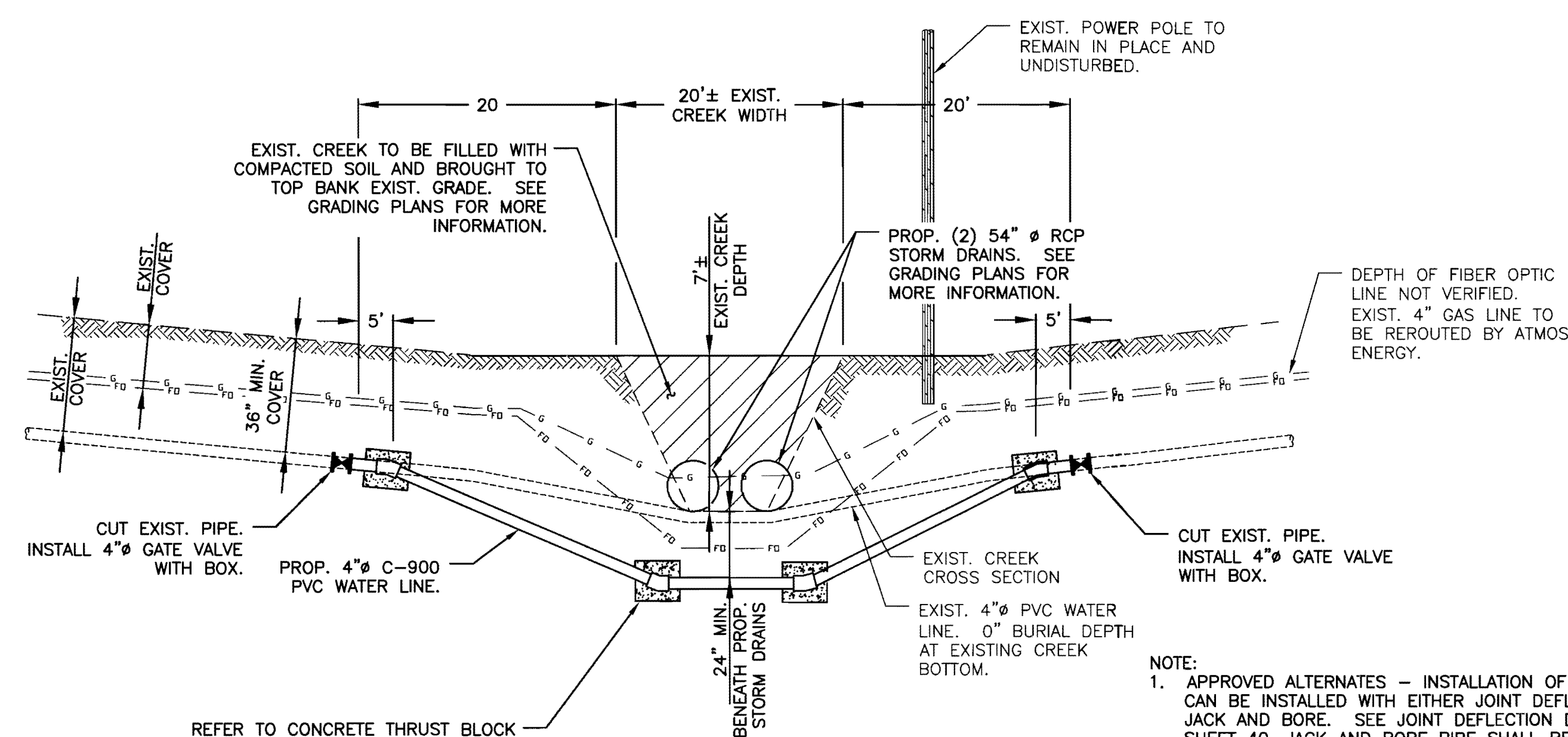




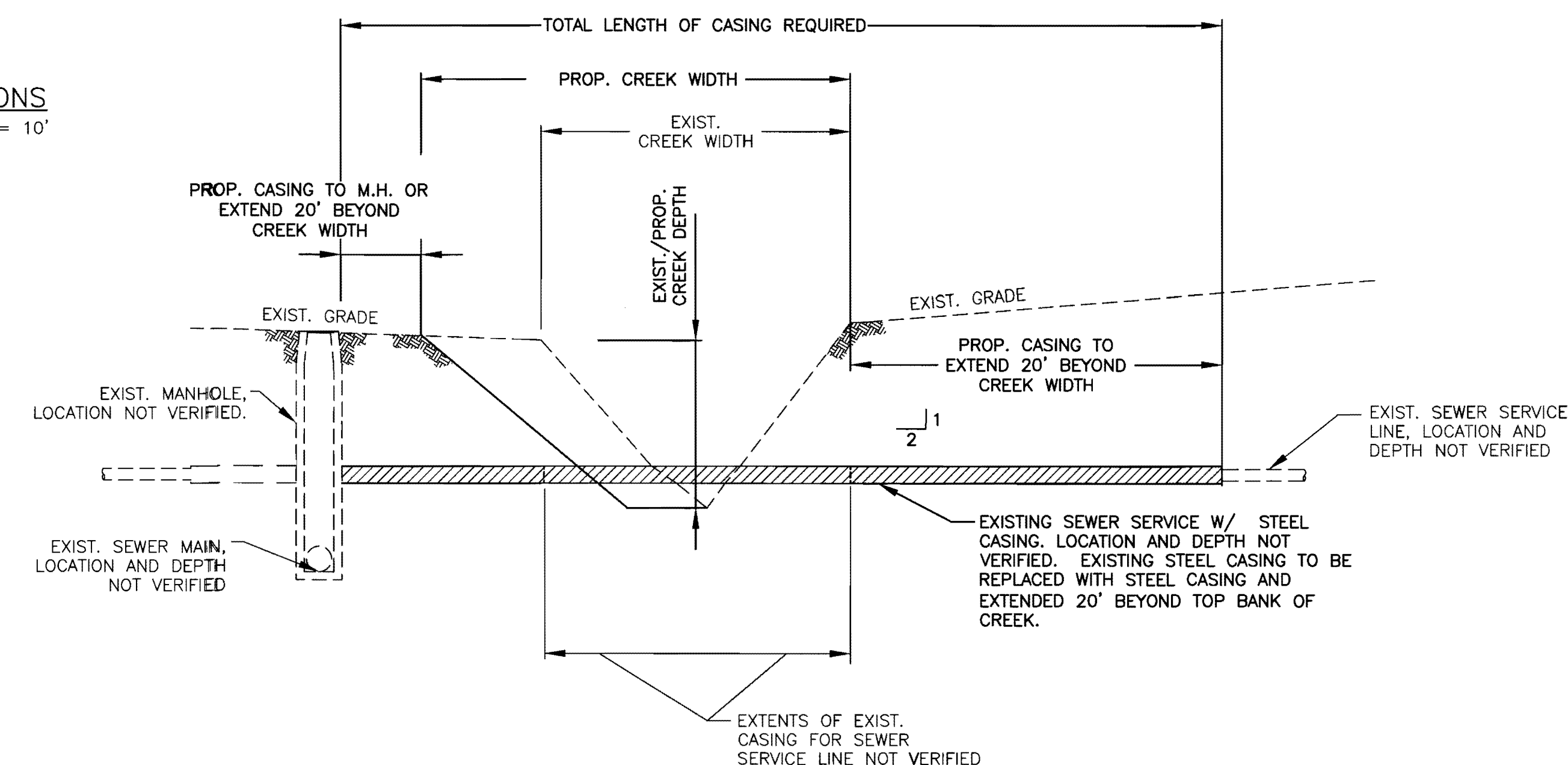


CMP TO RCP STORM DRAIN CONNECTION  
SCALE: 1" = 2'

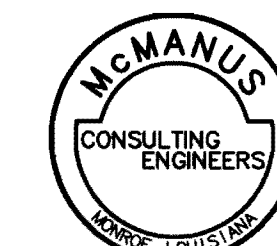
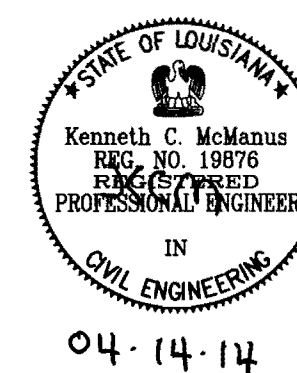
MARTIN LUTHER ST.-UTILITY LOCATIONS  
SCALE: 1" = 10'



WATER LINE CROSSING PROFILE- MARTIN LUTHER ST.  
SOUTH OF ROAD LOOKING NORTH  
SCALE: N.T.S.



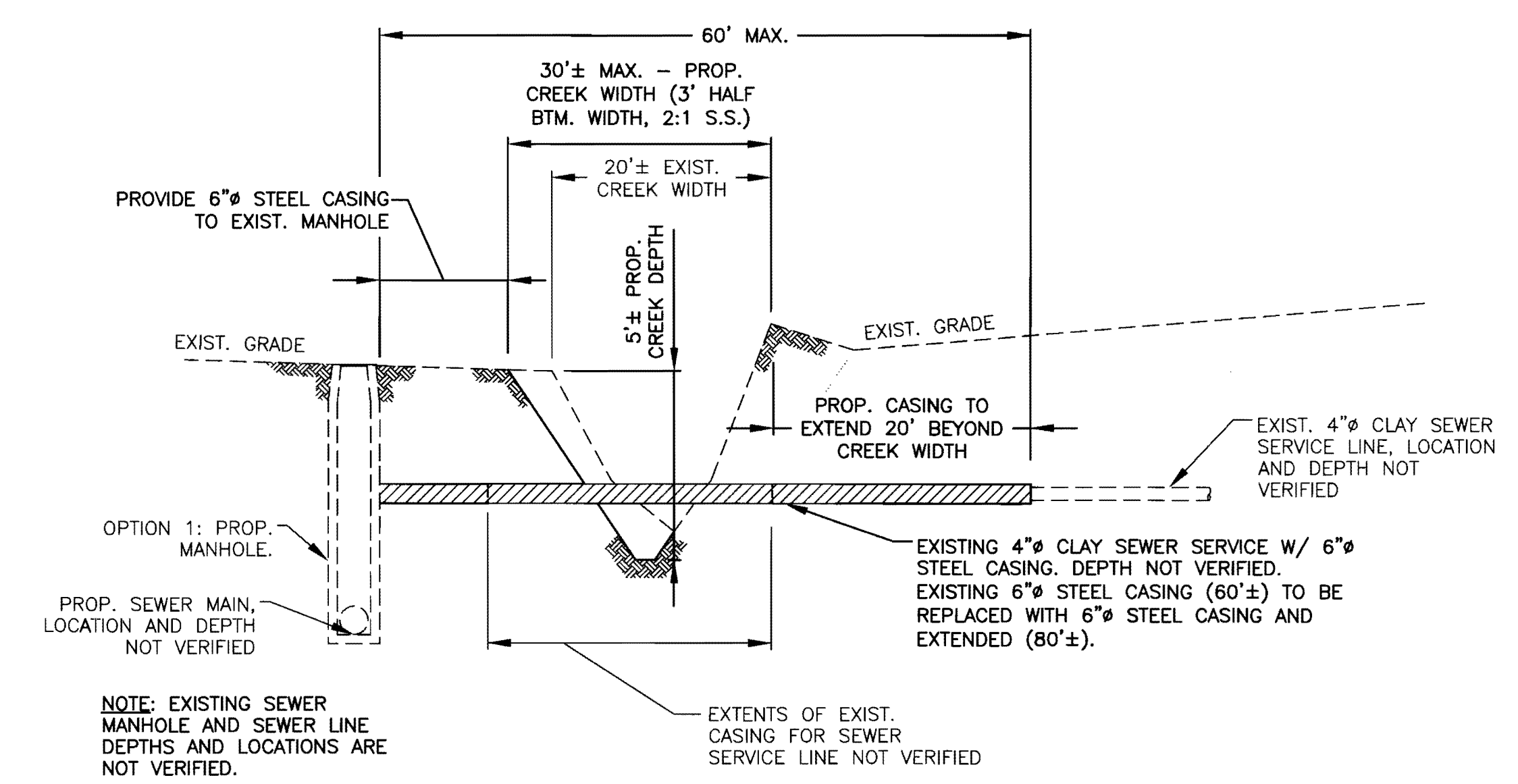
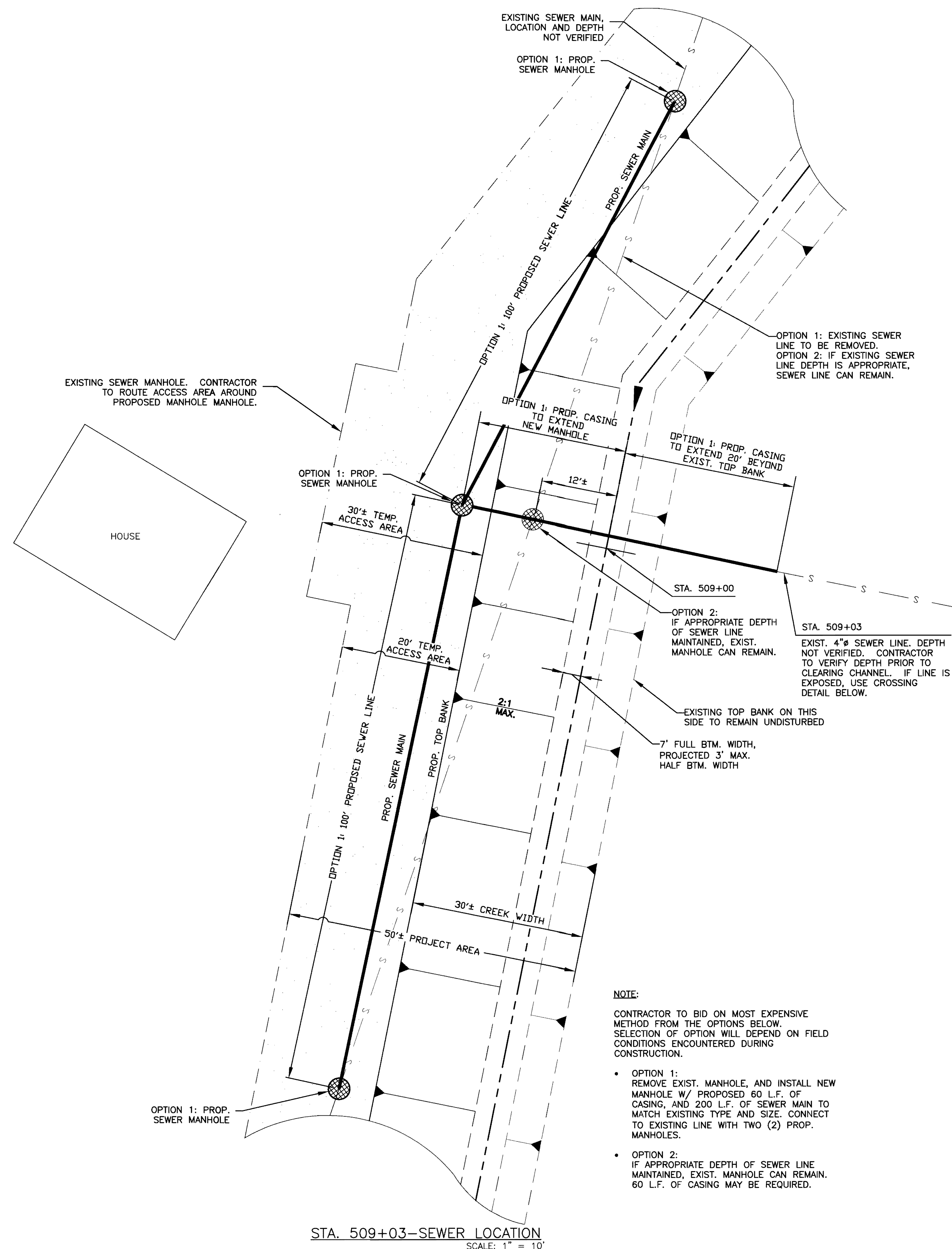
STANDARD SEWER LINE CROSSING DETAIL  
SCALE: N.T.S.



REVISIONS		
NO.	DESCRIPTION	DATE
1	CORRECTION	04/11/14

UTILITY CROSSING DETAILS 1			
HORIZ. SCALE	1" = 20'	DRAWN BY	C.GOODING
VERT. SCALE	1" = 4'	DATE	04/11/14
		PROJECT NO.	11-11-584E
		FILE NAME	SECTIONS
HURRICANE CREEK DRAINAGE IMPROVEMENTS			
CALDWELL PARISH POLICE JURY		DRAWING NUMBER	39

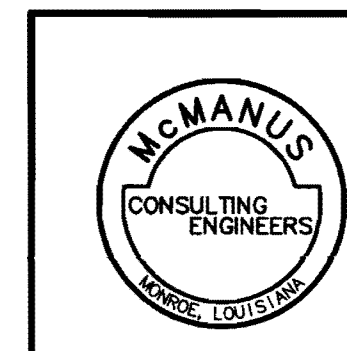
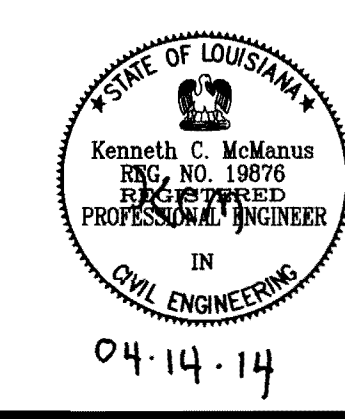




SEWER CROSSING PROFILE — STA. 509+03  
LOOKING NORTH  
SCALE: N.T.S.

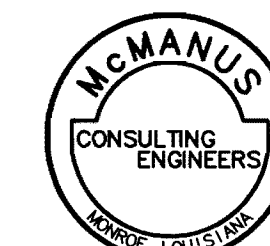
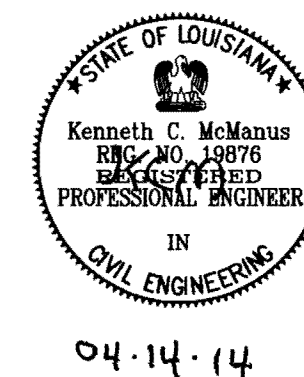
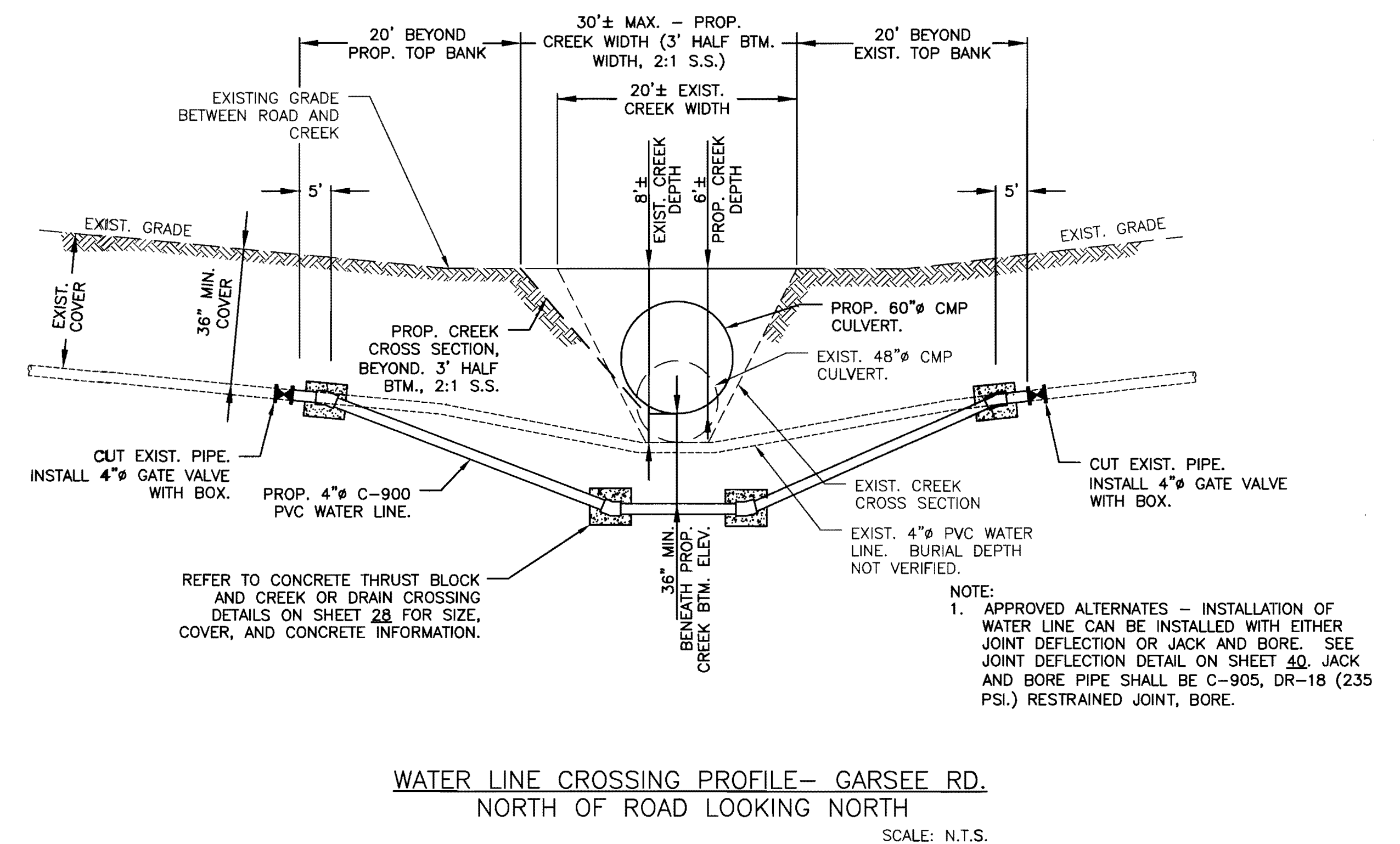
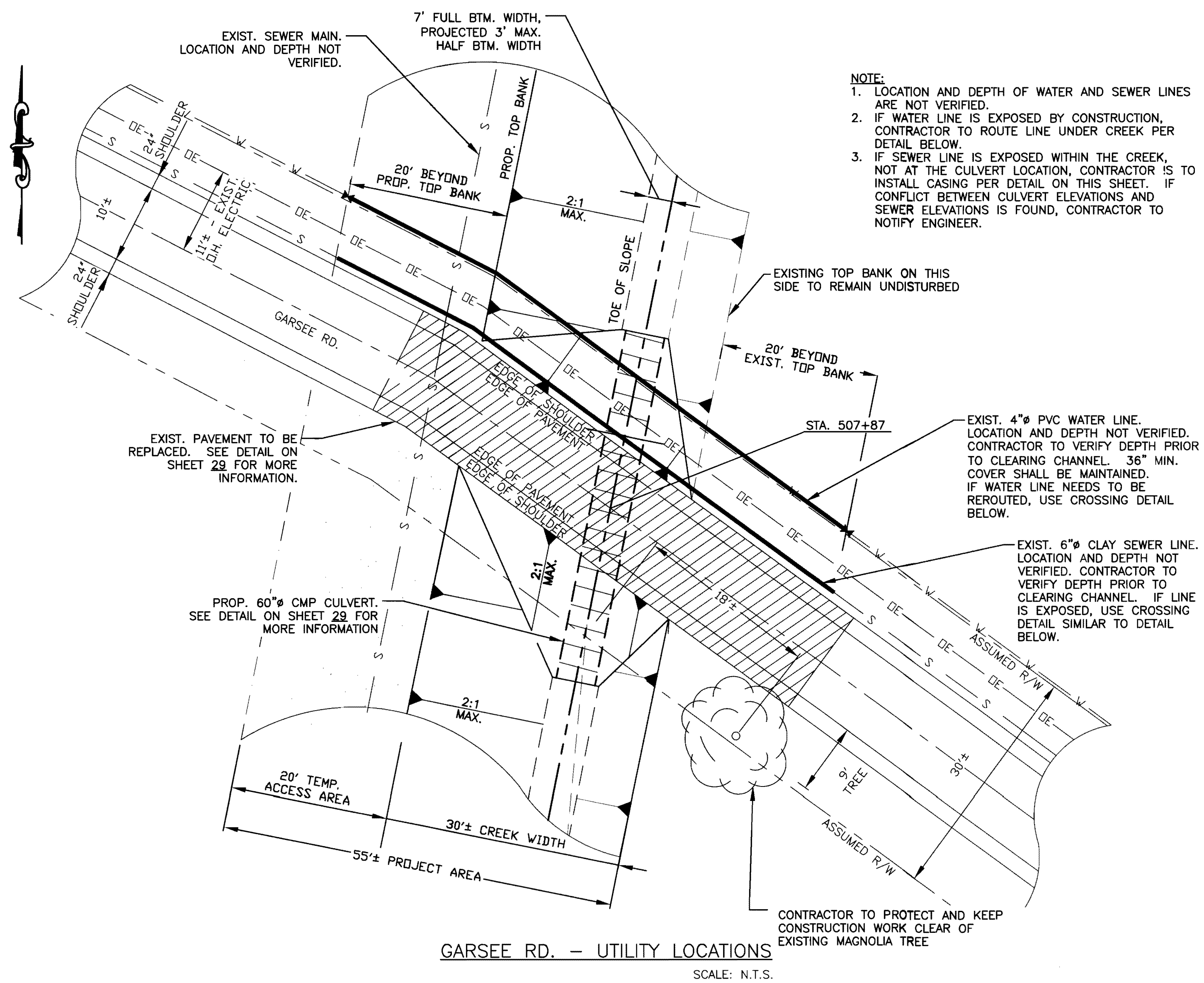
- NOTE:**  
CONTRACTOR TO BID ON MOST EXPENSIVE METHOD FROM THE OPTIONS BELOW. SELECTION OF OPTION WILL DEPEND ON FIELD CONDITIONS ENCOUNTERED DURING CONSTRUCTION.
- OPTION 1:  
REMOVE EXIST. MANHOLE, AND INSTALL NEW MANHOLE W/ PROPOSED 60 L.F. OF CASING, AND 200 L.F. OF SEWER MAIN TO MATCH EXISTING TYPE AND SIZE. CONNECT TO EXISTING LINE WITH TWO (2) PROP. MANHOLES.
  - OPTION 2:  
IF APPROPRIATE DEPTH OF SEWER LINE MAINTAINED, EXIST. MANHOLE CAN REMAIN. 60 L.F. OF CASING MAY BE REQUIRED.

STA. 509+03—SEWER LOCATION  
SCALE: 1" = 10'



REVISIONS			UTILITY CROSSING DETAILS 2		
ENGINEER	DRAWN BY	DATE	HORIZ. SCALE	DRAWN BY	PROJECT NO.
CG	C.GOODING	04/11/14	1" = 20'	C.GOODING	11-11-584E
			VERT. SCALE	DATE	FILE NAME
			1" = 4'	04/11/14	SECTIONS
			HURRICANE CREEK DRAINAGE IMPROVEMENTS		
			Caldwell Parish Police Jury		
			DRAWING NUMBER		
			40		

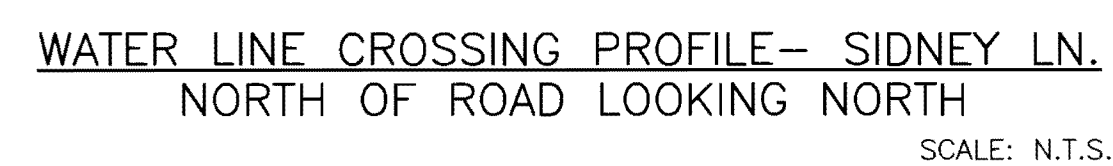
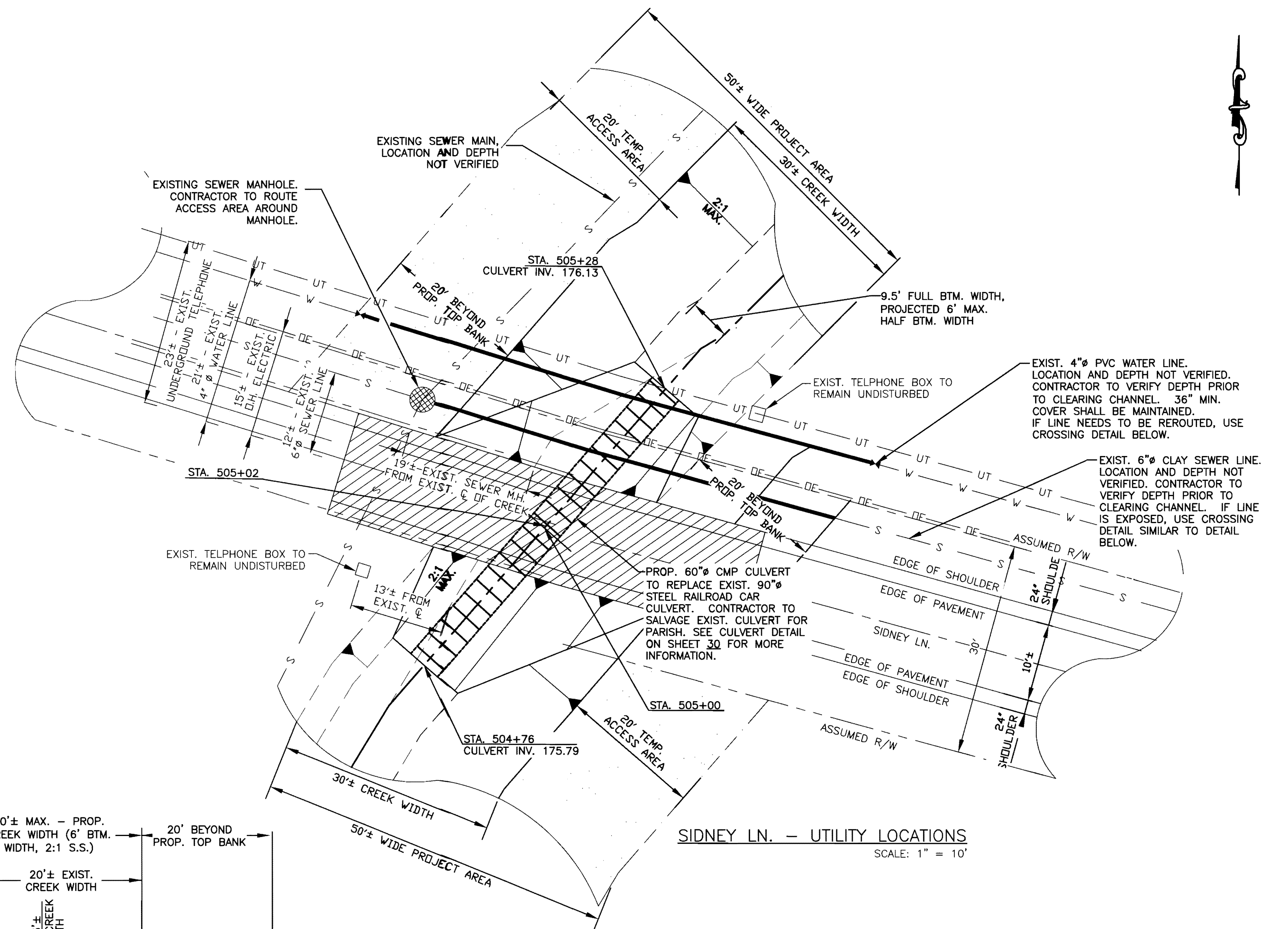




REVISIONS		
NO.	DESCRIPTION	DATE
1	ISSUED FOR PERMIT	04/11/14

UTILITY CROSSING DETAILS 3			
HORIZ. SCALE 1" = 20'	DRAWN BY C.GOODING	PROJECT NO. 11-11-584E	
VERT. SCALE 1" = 4'	DATE 04/11/14	FILE NAME SECTIONS	
HURRICANE CREEK DRAINAGE IMPROVEMENTS			
Caldwell Parish Police Jury			41

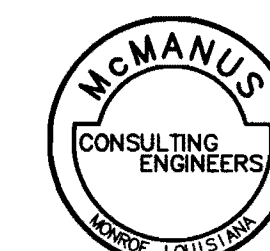
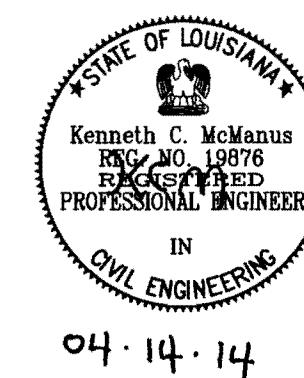
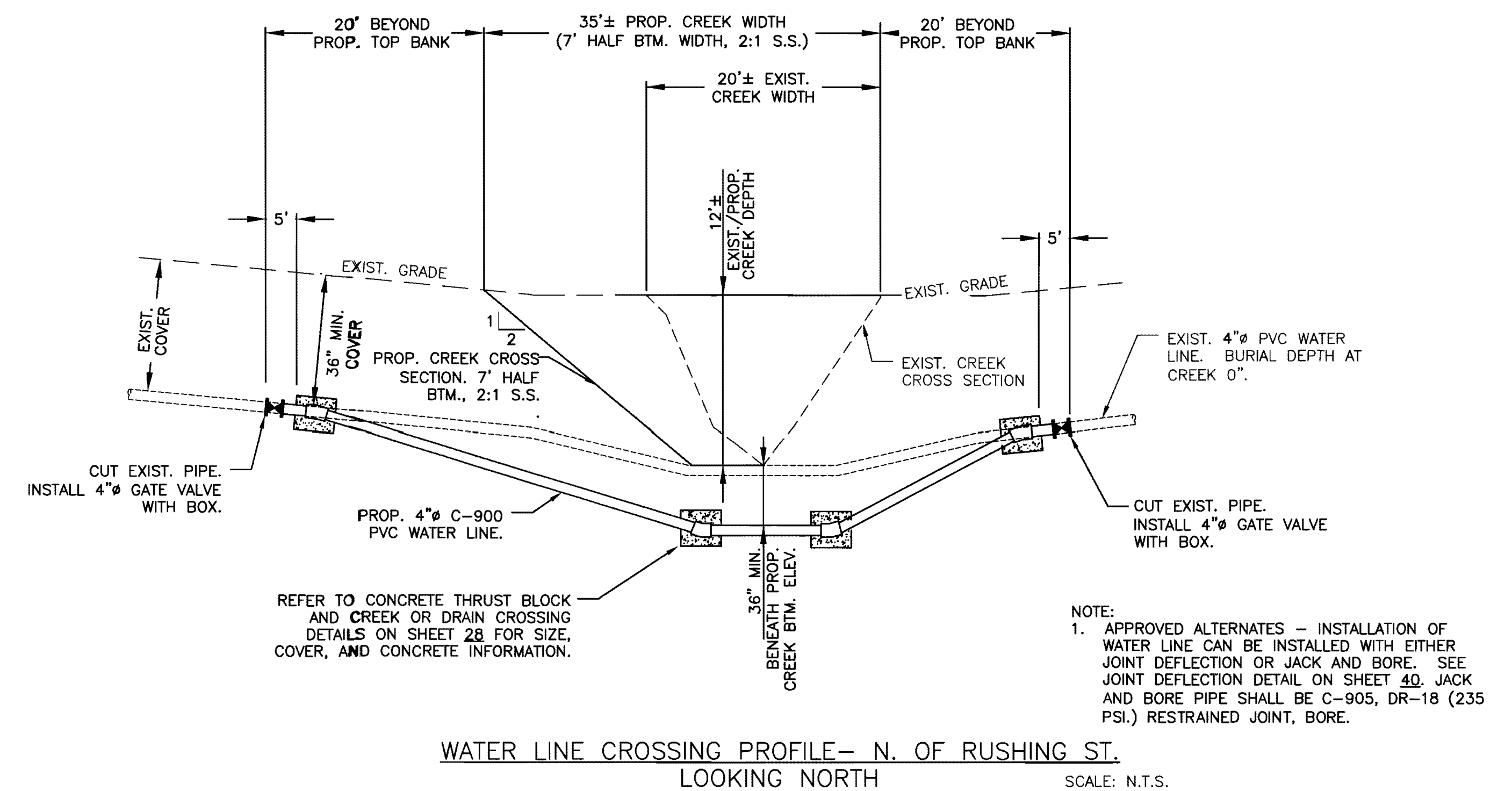
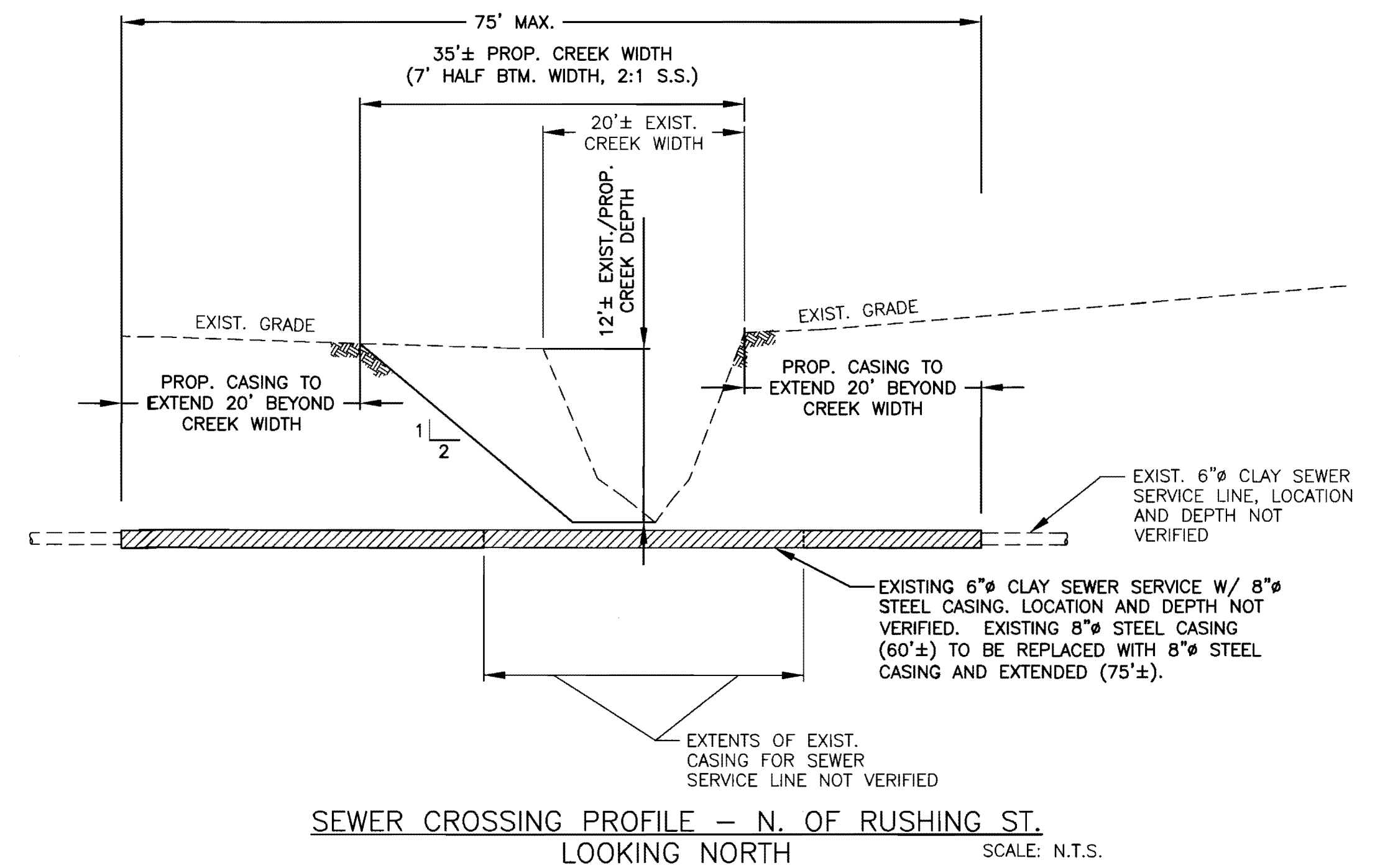
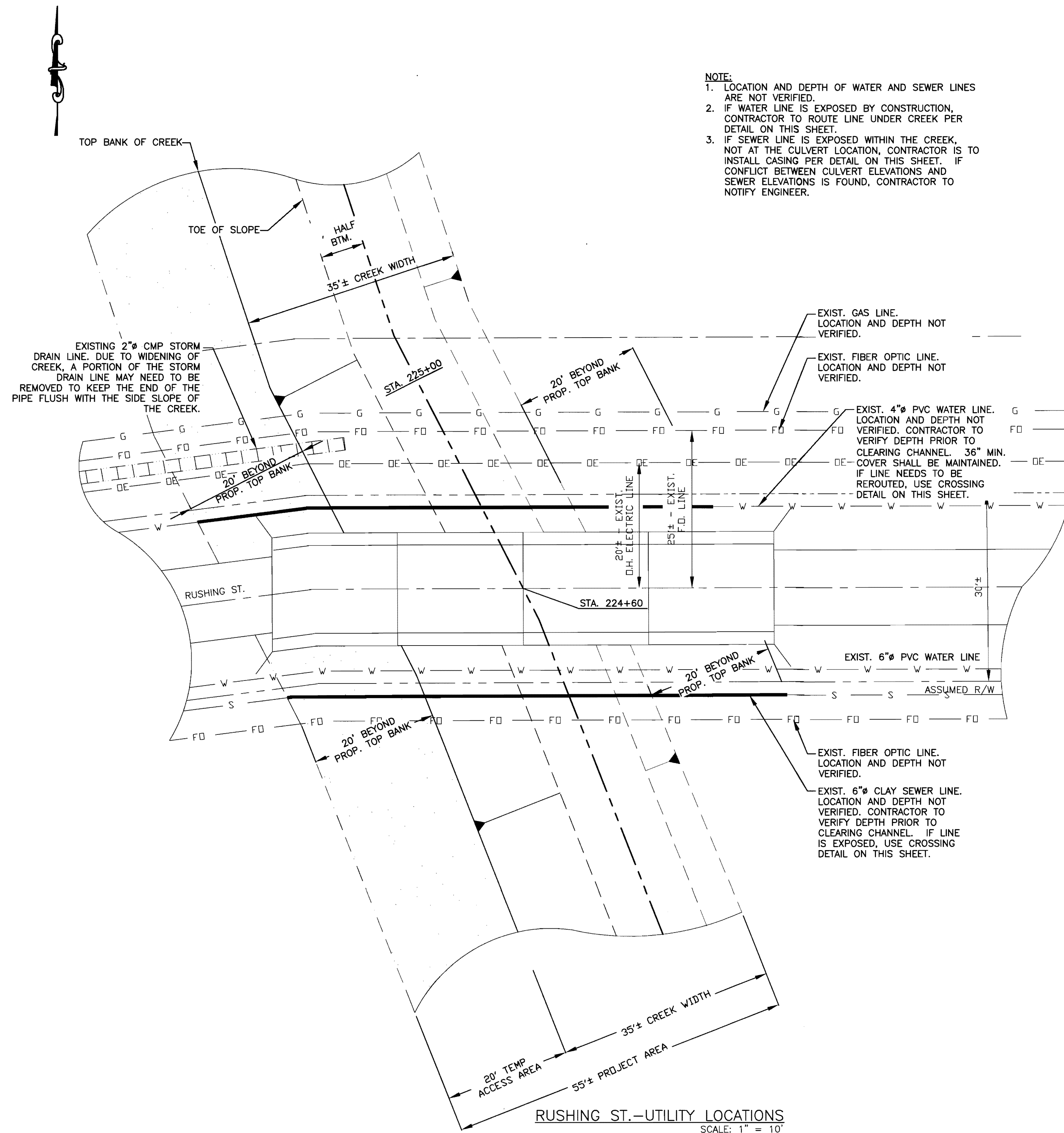


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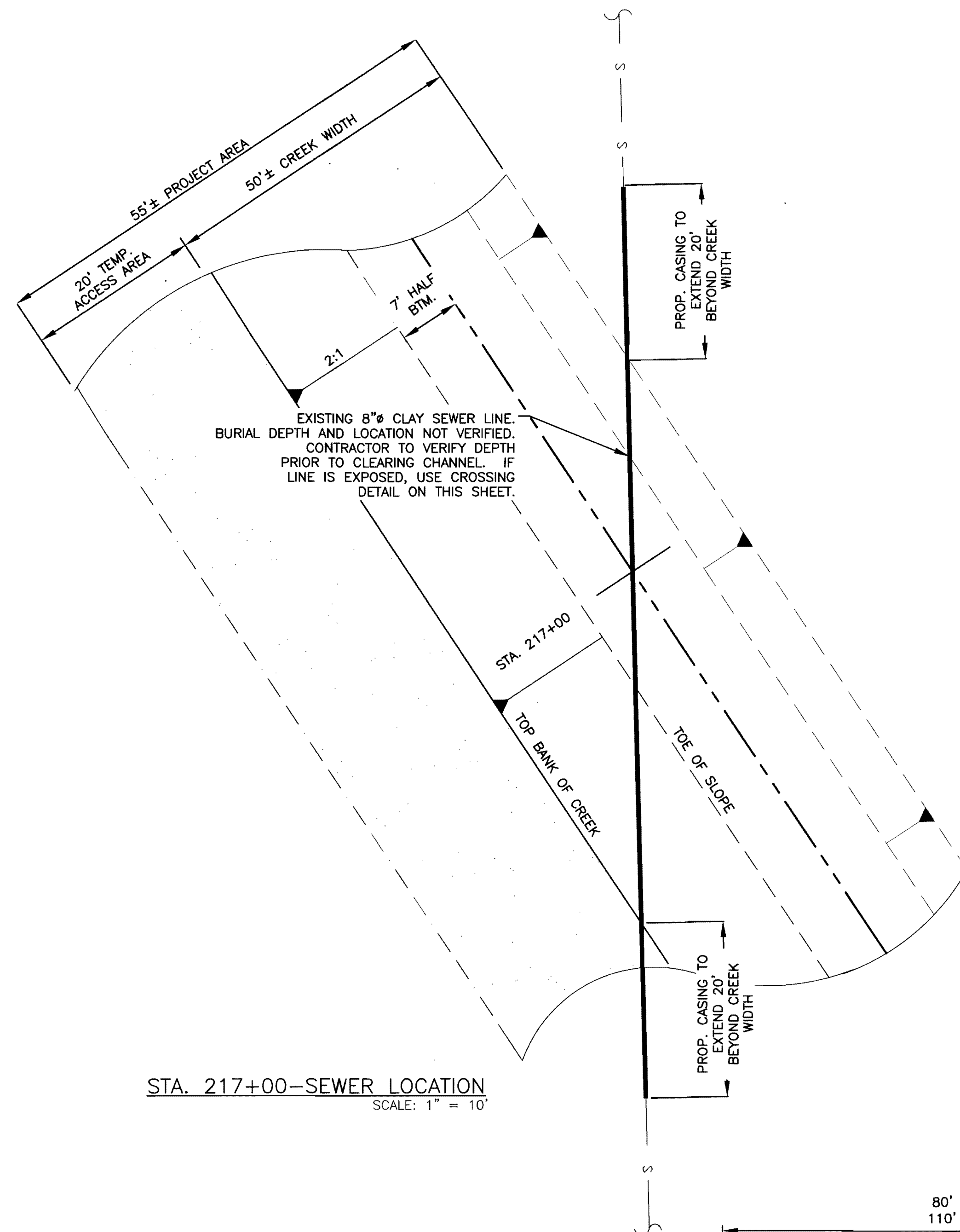




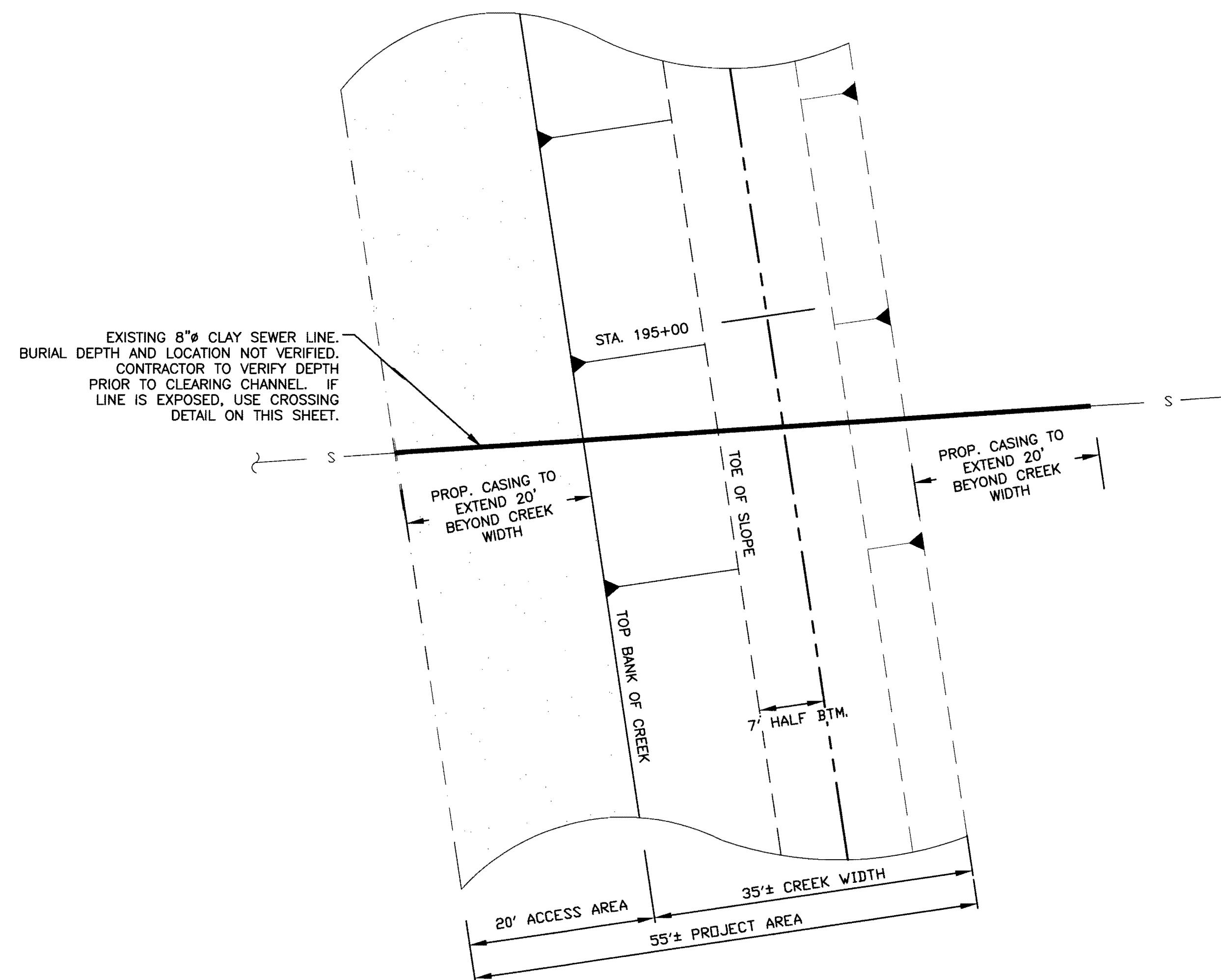
REVISIONS		
NO.	DESCRIPTION	DATE
1	ISSUED FOR PERMIT	04/11/14

UTILITY CROSSING DETAILS 6			
HORIZ. SCALE 1" = 20'	DRAWN BY C. GOODING	PROJECT NO. 11-11-584E	
VERT. SCALE 1" = 4'	DATE 04/11/14	FILE NAME SECTIONS	
HURRICANE CREEK DRAINAGE IMPROVEMENTS			
CALDWELL PARISH POLICE JURY			DRAWING NUMBER 44

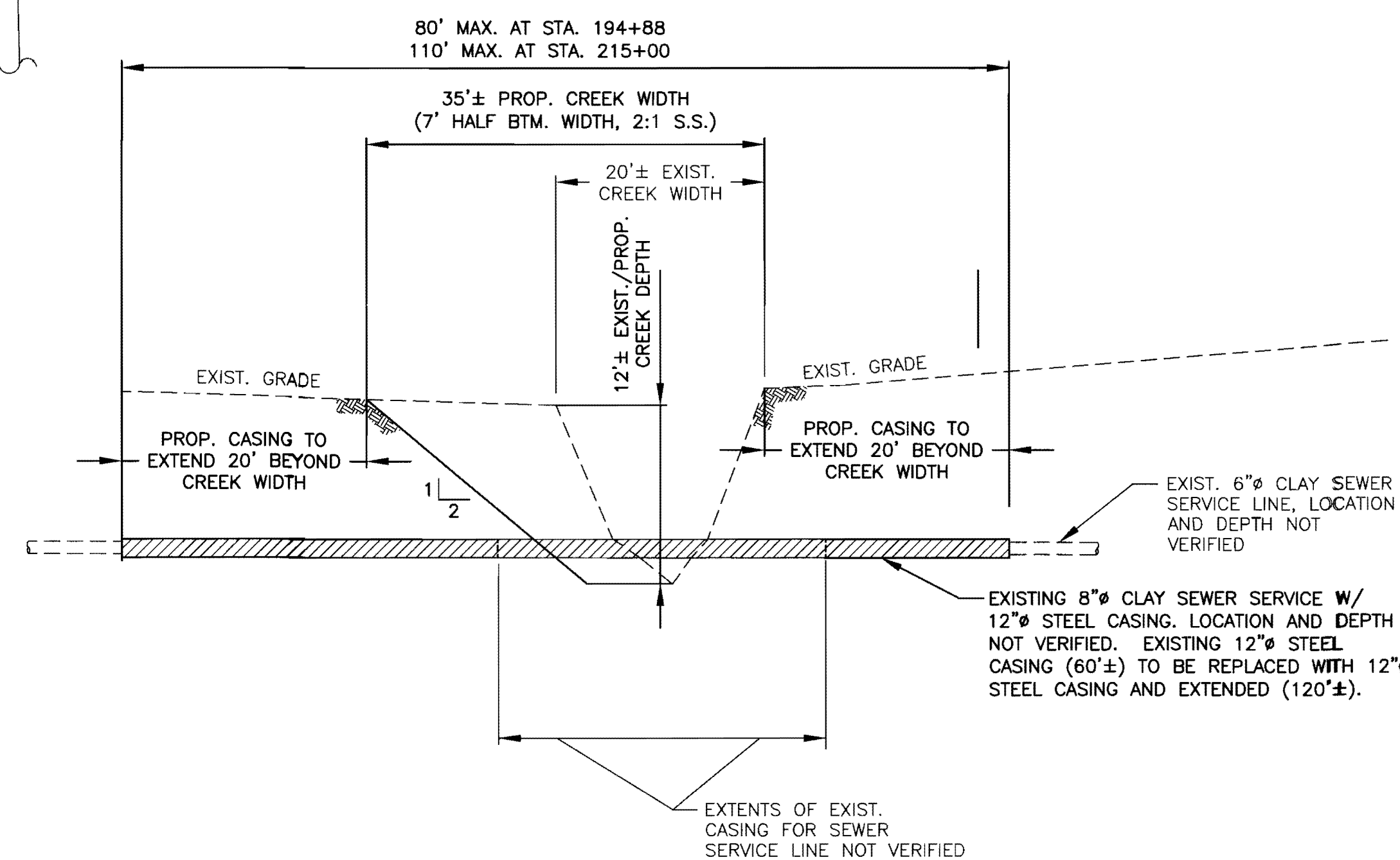




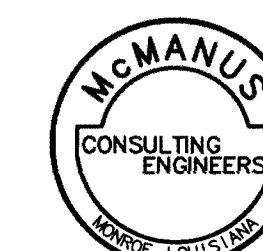
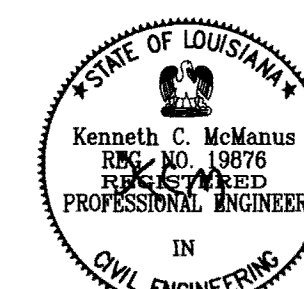
STA. 217+00—SEWER LOCATION  
SCALE: 1" = 10'



STA. 194+88—SEWER LOCATION  
SCALE: 1" = 10'



8" SEWER CROSSING PROFILE  
LOOKING NORTH  
SCALE: N.T.S.



REVISIONS		
ENGINEER	DATE	
CO	04/11/14	

## UTILITY CROSSING DETAILS 7

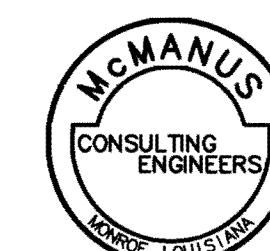
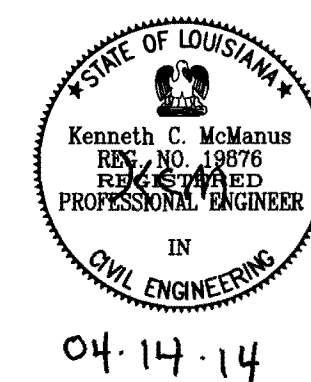
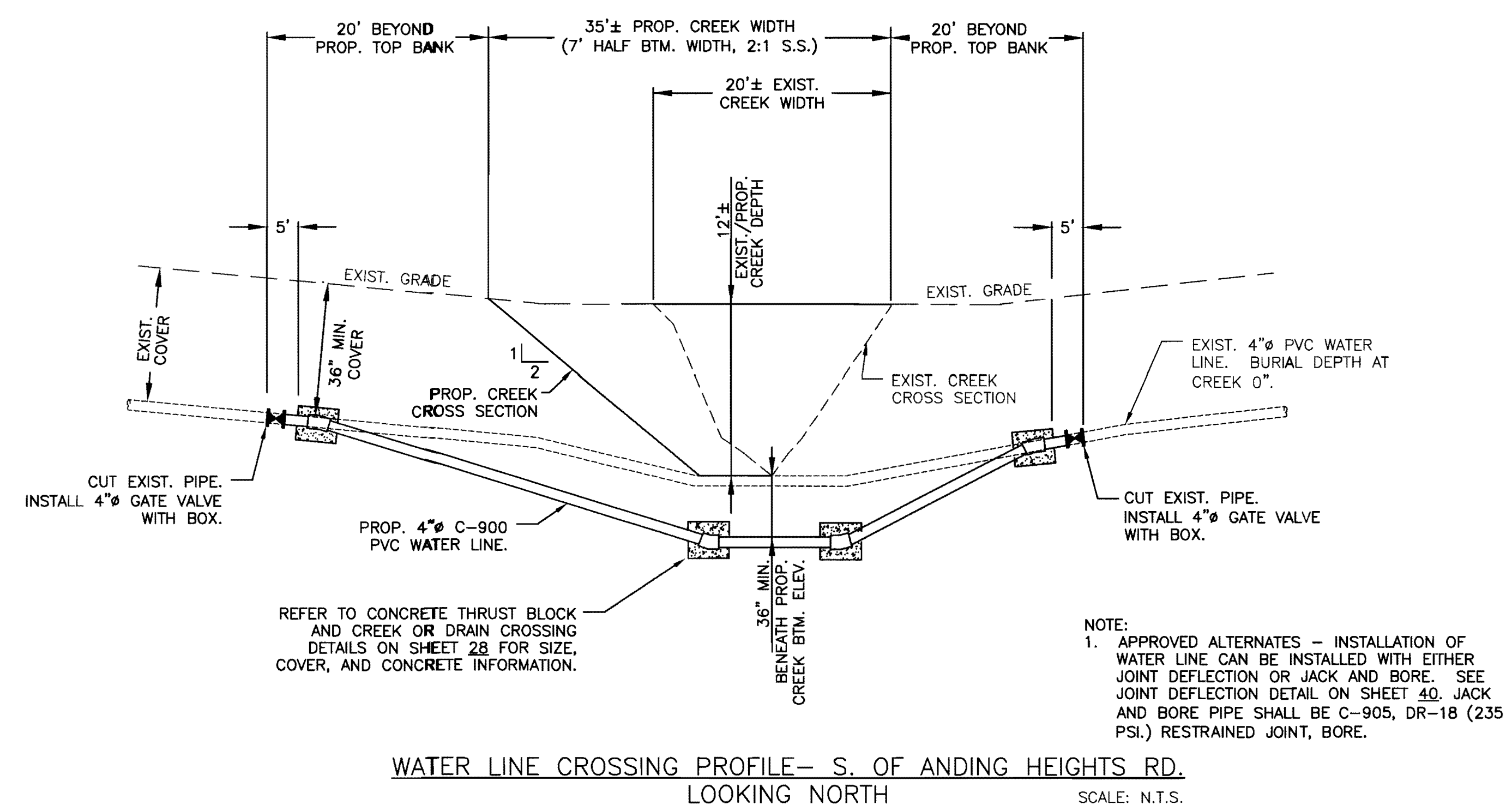
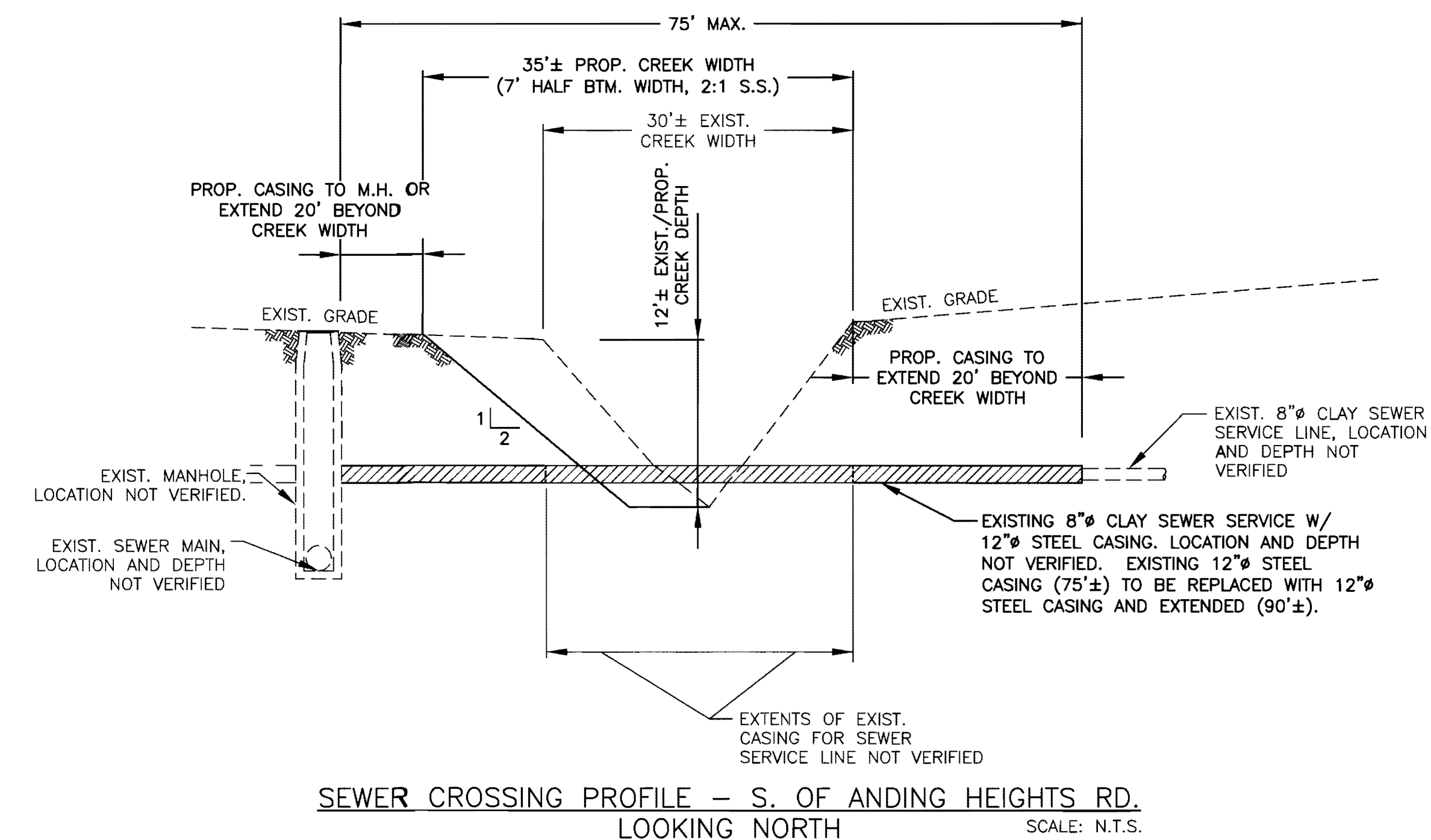
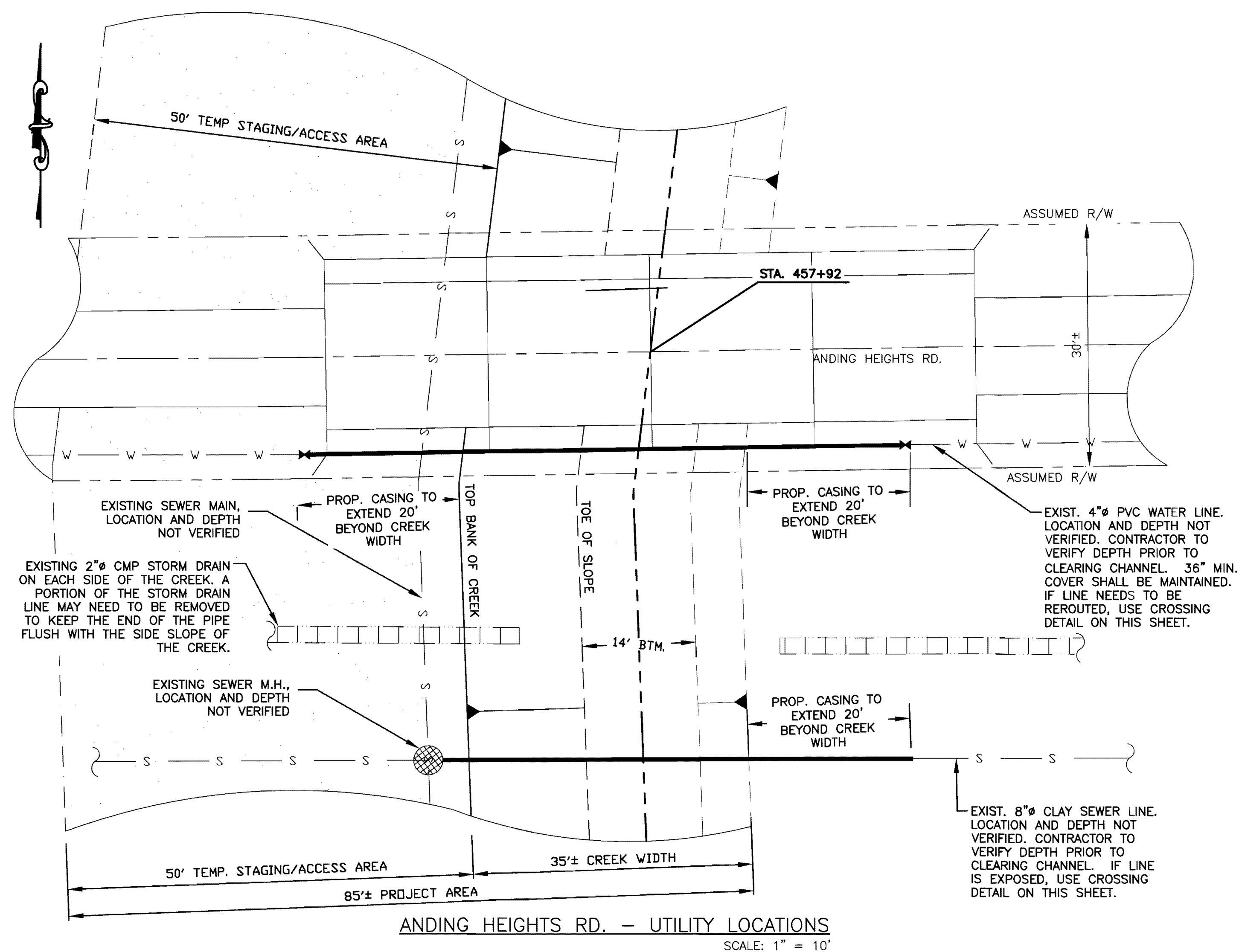
HORIZ. SCALE 1" = 20'	DRAWN BY C.GOODING	PROJECT NO. 11-11-584E
VERT. SCALE 1" = 4'	DATE 04/11/14	FILE NAME SECTIONS

HURRICANE CREEK DRAINAGE IMPROVEMENTS

CALDWELL PARISH POLICE JURY

45





REVISIONS		
NO.	DESCRIPTION	DATE
1	ISSUED FOR PERMIT	04/11/14

## UTILITY CROSSING DETAILS 8

HORIZ. SCALE	1" = 20'	DRAWN BY	C.GOODING	PROJECT NO.	11-11-584E
VERT. SCALE	1" = 4'	DATE	04/11/14	FILE NAME	SECTIONS

HURRICANE CREEK DRAINAGE IMPROVEMENTS

CALDWELL PARISH POLICE JURY

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GENERAL EROSION AND SEDIMENT CONTROL NOTES:

- THIS STORM WATER POLLUTION PREVENTION PLAN (SWPPP) CONTAINS THE FOLLOWING DOCUMENTS: THE EROSION AND SEDIMENT CONTROL PLANS AND DETAILS, THE PERMIT, THE SWPPP MANUAL PREPARED BY THE CONTRACTOR AND ALL SUBSEQUENT INSPECTION REPORTS AND SUBSEQUENT DOCUMENTS SUPPLIED BY THE CONTRACTOR.
- ALL CONTRACTORS AND SUBCONTRACTORS SHALL BE RESPONSIBLE FOR KNOWING AND UNDERSTANDING THE STORM WATER POLLUTION PREVENTION PLAN AND THE LOUISIANA POLLUTANT DISCHARGE ELIMINATION SYSTEM GENERAL PERMIT (LPDES).
- ACTIVITIES OUTSIDE OF THE LIMITS OF DISTURBANCE WILL NOT BE PERMITTED.
- IF ANY ACTIVITIES FALL OUTSIDE OF THE LIMITS OF DISTURBANCE BY EITHER UNKNOWN SITE CONDITIONS OR UNDER OTHER CIRCUMSTANCES, CONTRACTOR SHALL INFORM THE ENGINEER IMMEDIATELY.
- PRIOR TO GROUND DISTURBING ACTIVITIES, CONTRACTOR IS TO INSTALL INITIAL BMPS, AS NOTED BY THE SEQUENCE OF CONSTRUCTION ON THE EROSION AND SEDIMENT CONTROL PLANS. CONTRACTOR IS THEN TO NOTIFY THE ENGINEER FOR INITIAL SWPPP INSPECTION. CONTRACTOR MUST RECEIVE ENGINEER'S APPROVAL BEFORE STARTING GROUND DISTURBING ACTIVITIES.

BEST MANAGEMENT PRACTICES (BMPS) – GENERAL

- ALL BMPS PRESENTED ON THE EROSION AND SEDIMENT CONTROL PLANS AND IN THE SEQUENCE OF CONSTRUCTION SHALL BE INITIATED AS SOON AS PRACTICAL.
- IF PRECEDING BMPS NOTED IN THE SEQUENCE OF CONSTRUCTION ARE INSTALLED, CONTRACTOR MAY COMPLETE CONSTRUCTION RELATED ACTIVITIES NOTED IN THE SEQUENCE OF CONSTRUCTION CONCURRENTLY.
- CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING, MAINTAINING AND INSPECTION THE BEST MANAGEMENT PRACTICES (BMPS) AS REQUIRED BY THE SWPPP. CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR INSTALLING ADDITIONAL BMPS OR NEW BMPS AS NEEDED BY SITE CONDITIONS THROUGHOUT CONSTRUCTION, AT NO ADDITIONAL COST TO OWNER.
- DUE TO THE GRADE CHANGES DURING CONSTRUCTION, BMPS SHALL BE ADJUSTED BY THE CONTRACTOR THROUGHOUT CONSTRUCTION, TO PREVENT EROSION AND STORM WATER DISCHARGES.
- BMPS SHALL AT MINIMUM COMPLY WITH FEDERAL, STATE, OR LOCAL REQUIREMENTS.
- PERMITTING AGENCY OR OWNER MAY REQUIRE ADDITIONAL BMPS WHICH SHALL BE INSTALLED BY CONTRACTOR AT NO ADDITIONAL COST TO OWNER.
- CONTRACTOR IS TO PROVIDE A SWPPP NOTIFICATION SIGN WHICH AT MINIMUM SHOWS THE LPDES PERMIT NUMBER AND COPY OF THE NOI(S), CONTRACTOR'S SWPPP INSPECTOR CONTACT INFORMATION, PROJECT DESCRIPTION, AND LOCATION OF THE SWPPP.
- DURING GRADING OPERATIONS, SLOPES SHALL BE LEFT IN A ROUGHENED CONDITION TO REDUCE RUNOFF VELOCITIES AND EROSION UNTIL AREAS ARE BROUGHT TO FINAL GRADE AND READY FOR STABILIZATION MEASURES.
- VEHICLES MUST USE CONSTRUCTION EXIT(S) FOR INGRESS/EGRESS TO CONSTRUCTION SITE. IF THE CONSTRUCTION EXIT DOES NOT SUFFICIENTLY REMOVE SEDIMENT FROM VEHICLES, THEN VEHICLE TIRES MUST BE WASHED PRIOR TO ENTERING ROAD. WASH WATER IS NOT TO BE DISCHARGED FROM SITE.
- CONTRACTOR MUST CLEAN UP IMMEDIATELY ALL MATERIALS SPILLED, DROPPED, WASHED OR TRACKED FROM VEHICLES OUTSIDE THE LIMITS OF DISTURBANCE.
- STOCKPILE AREAS SHALL BE NOTED BY THE CONTRACTOR ON THE EROSION AND SEDIMENT CONTROL PLANS. CONTRACTOR IS TO PROTECT THESE AREAS FROM EROSION AND STORM WATER DISCHARGES THROUGH THE USE OF BMPS SUCH AS STRAW WATTLES, BERMS, ETC.
- STOCKPILE AND BORROW SITES SHALL BE PERMITTED IN ACCORDANCE WITH THE LPDES REQUIREMENTS.

HOUSEKEEPING BMPS

- CONTRACTOR SHALL MARK ON THE PLAN THE LOCATION OF THE STORAGE FACILITIES, JOB SITE TRAILER, PARKING, STAGING AREAS, WASTE DISPOSAL AREAS, ETC.
- CONTRACTOR SHALL ENSURE THAT ALL CONSTRUCTION ACTIVITIES, STORAGE, LAYDOWN, STAGING AREAS, ETC. BE LOCATED WITHIN THE LIMITS OF DISTURBANCE AS SHOWN ON THESE PLANS.
- CONTRACTOR TO REFER TO LPDES FOR ALLOWABLE NON-STORM WATER DISCHARGES. ALL WASH WATER (CONCRETE TRUCKS, VEHICLE CLEANING, EQUIPMENT CLEANING, ETC.) SHALL BE DETAINED AND PROPERLY TREATED OR DISPOSED.
- CONCRETE WASH WATER SHALL BE CONTAINED IN A CONCRETE WASH OUT AREA DESIGNATED ON PLAN. CONCRETE WASH OUT SHALL EITHER BE SPECIALIZED ABOVE GROUND STRUCTURE OR LOCATED INTO A BERMED AREA ON THE GROUND. NO WASH WATER CAN BE DISCHARGED FROM SITE. WASHOUT STRUCTURE IS TEMPORARY AND REMAINING CONCRETE MATERIALS SHOULD BE REMOVED FROM SITE. CONCRETE WASH OUT SHALL BE KEPT CLEAN AND MAINTAINED.
- CONTRACTOR SHALL MAINTAIN GOOD HOUSE KEEPING MEASURES. TRASH SHALL BE KEPT IN SEALED CONTAINERS.
- CONTRACTOR SHALL KEEP A SPILL-KIT, OIL AND GREASE ABSORBING MATERIALS, AND FLOTATION BOOMS ON-SITE. IN THE EVENT OF A SPILL OF A HAZARDOUS MATERIAL OR AN UNAUTHORIZED DISCHARGE WHICH EXCEEDS A REPORTABLE QUANTITY AS DEFINED BY DEQ, CONTRACTOR SHALL NOTIFY THE PROPER AUTHORITIES PER THE LPDES REQUIREMENTS.

STABILIZATION

- ALL DISTURBED AREAS THAT WILL BE INACTIVE FOR 14 OR MORE DAYS MUST BE TEMPORARILY STABILIZED IMMEDIATELY WITH MULCH, EROSION CONTROL BLANKETS AND SEEDING. MULCH PLACEMENT AND MATERIAL ARE TO CONFORM TO DOTD STANDARD SPECIFICATION SECTIONS 716 AND 1018.19. SEEDING PLACEMENT AND MATERIALS ARE TO CONFORM TO LA DOTD STANDARD SPECIFICATION SECTIONS 717 AND 1018.18.
- AREAS OF THE SITE WITHIN THE LIMITS OF DISTURBANCE WHERE CONSTRUCTION ACTIVITY HAS BEEN COMPLETED SHALL BE PERMANENTLY STABILIZED AS SHOWN ON THE PLANS. THESE AREAS MUST BE STABILIZED AS SOON AS POSSIBLE AND NO LATER THAN 14 DAYS AFTER THE LAST CONSTRUCTION ACTIVITY IN THE AREA.
- SITE STORM WATER PERMIT COVERAGE CAN BE TERMINATED BY THE CONTRACTOR THROUGH FILING A NOTICE OF TERMINATION (NOT) FORM WITH LPDES. NOT CANNOT BE FILED UNTIL SITE HAS REACHED FINAL STABILIZATION THROUGH PERMANENT STRUCTURES, PERMANENT BMP MEASURES, AND 70% VEGETATIVE COVER. PRIOR TO FILING THE NOT, CONTRACTOR IS TO NOTIFY ENGINEER ONCE SITE IS READY FOR CLOSEOUT, AND ENGINEER WILL PERFORM A FINAL INSPECTION. FINAL SIGN OFF ON PROJECT BY ENGINEER AND AGENCIES MUST BE OBTAINED. ONCE THESE APPROVALS ARE OBTAINED, CONTRACTOR MAY FILE THE NOT.

INSPECTION AND BMP MAINTENANCE

- CONTRACTOR'S SWPPP INSPECTOR SHALL MEET THE REQUIREMENTS OF THE LPDES FOR "QUALIFIED PERSONNEL." PERSON SHALL BE KNOWLEDGEABLE IN THE PRINCIPLES AND PRACTICES OF EROSION AND SEDIMENT CONTROL, WHO CAN ASSESS THE CONDITIONS OF THE SITE WITH RESPECT TO STORM WATER QUALITY, AND CAN ASSESS THE EFFECTIVENESS OF THE BMPS TO CONTROL THE QUALITY OF STORM WATER DISCHARGES.
- SITE SHALL BE INSPECTED PER THE LPDES REQUIREMENTS BY THE CONTRACTOR'S SWPPP INSPECTOR, ONCE EVERY 7 DAYS OR ONCE EVERY 14 DAYS, PRIOR TO ANTICIPATED STORM EVENTS, AND WITHIN 24 HOURS AFTER THE END OF A STORM EVENT OF 0.5 INCHES OR GREATER.
- CONTRACTOR SHALL PROVIDE A REPORT OF EACH INSPECTION PER THE LPDES REQUIREMENTS. COPIES OF THE REPORTS ONCE COMPLETED SHALL BE KEPT IN THE SWPPP AND THESE REPORTS SHALL BE PROVIDED TO THE ENGINEER ON A MONTHLY BASIS.
- ALL BMPS SHALL BE MAINTAINED BY THE CONTRACTOR IN GOOD WORKING CONDITION UNTIL NO LONGER NEEDED FOR THAT PARTICULAR SEQUENCE OF CONSTRUCTION OR UNTIL FINAL STABILIZATION OF THE SITE. DAMAGED BMPS SHALL BE REPAIRED BY THE CONTRACTOR. IF A BMP IS CORRECTLY INSTALLED BUT IS INEFFECTIVE, CONTRACTOR IS TO NOTIFY ENGINEER. ENGINEER WILL EVALUATE THE CONDITION AND PROVIDE RECOMMENDATION(S) FOR AN ALTERNATIVE BMP.

BEST MANAGEMENT PRACTICES (BMPS) NOTES

CONTRACTOR SHALL INSPECT POTENTIAL STORM WATER DISCHARGE LOCATIONS, AS SHOWN ON THE EROSION AND SEDIMENT CONTROL PLANS. IF AREAS SHOW SIGNS OF STORM WATER DISCHARGE, CONTRACTOR SHALL REPAIR OR REPLACE INEFFECTIVE BMPS.

SILT FENCE

- SILT FENCE FABRIC, POSTS, CONNECTIONS, ETC. SHALL BE REPAIRED IF DAMAGED. SEDIMENT SHALL BE REMOVED FROM THE SILT FENCES WHEN IT REACHES ONE-HALF THE HEIGHT OF THE SILT FENCE.
- SILT FENCES SHALL BE INSTALLED PRIOR TO CLEARING AND GRUBBING OPERATIONS. SILT FENCES SHALL NOT BE REMOVED UNTIL AREAS UPSTREAM FROM THE FENCE HAVE BEEN STABILIZED.

WATTLES

- WATTLES SHALL BE REMOVED AND REPLACED IF DAMAGED. WATTLES MAY BECOME INEFFECTIVE OVER TIME DUE TO SEDIMENT BUILD UP WITHIN THE WATTLE AND SHOULD BE REPLACED. SEDIMENT DEPOSITS BUILT UP AROUND THE WATTLES SHOULD BE REMOVED.

- WATTLES SHALL BE INSTALLED ON SLOPES AS GRADING PROCEEDS UNTIL SLOPES ARE STABILIZED.

CONSTRUCTION EXITS

- CONSTRUCTION EXITS SHALL BE REPAIRED AS NEEDED. CONTRACTOR SHALL MAINTAIN THESE EXITS TO PREVENT TRACKING OF SEDIMENT OUT OF THE PROJECT LIMITS OF DISTURBANCE.
- IF SEDIMENT IS TRACKED OUT INTO PUBLIC RIGHT-OF-WAY ON PAVED SURFACES, CONTRACTOR IS TO CLEAN SURFACE WITH METHODS SUCH AS STREET SWEEPING. METHODS SUCH AS FLUSHING SURFACE WITH WATER ARE NOT PERMITTED.

TEMPORARY RIP RAP

- RIP RAP AREAS SHALL BE CHECKED FOR EROSION AND SEDIMENT BUILD-UP. DAMAGED AREAS SHALL BE REPAIRED AND SEDIMENT BUILD-UP SHALL BE REMOVED, IMMEDIATELY.

EROSION CONTROL BLANKETS

- CONTRACTOR SHALL REPAIR OR REPLACE EROSION CONTROL BLANKETS IF SIGNS OF DAMAGE OR EROSION IS EVIDENT.
- EROSION CONTROL BLANKETS SHALL BE INSTALLED PER LA DOTD STD. SPECIFICATION 720. MATERIALS SHALL CONFORM TO LA DOTD STD. SPECIFICATION 1018.23.

SEEDING

- CONTRACTOR SHALL INSTALL SEEDING, TYPE A-HULLED BERMUDA, PER LA DOTD STD. SPECIFICATION 717 AND APPLY FERTILIZER AND LIME PER LA DOTD STD. SPECIFICATION 718. SEEDING TYPE IS BASED ON AREA AND PLANTING DATES. IF PLANTING DATES OCCUR BEFORE MARCH OR PAST SEPTEMBER, LA DOTD TYPE C – FESCUE/HULLED BERMUDA OR TYPE I-ANNUAL RYE MAY BE USED.

MISCELLANEOUS

- TEMPORARY PARKING, LAYDOWN, STORAGE, STOCKPILE, TRASH DISPOSAL, ETC. AREAS SHALL BE KEPT IN GOOD CONDITION. AREAS SHALL BE TOP DRESSED AS NEEDED IN ORDER TO PROVIDE SUITABLE CONDITIONS.

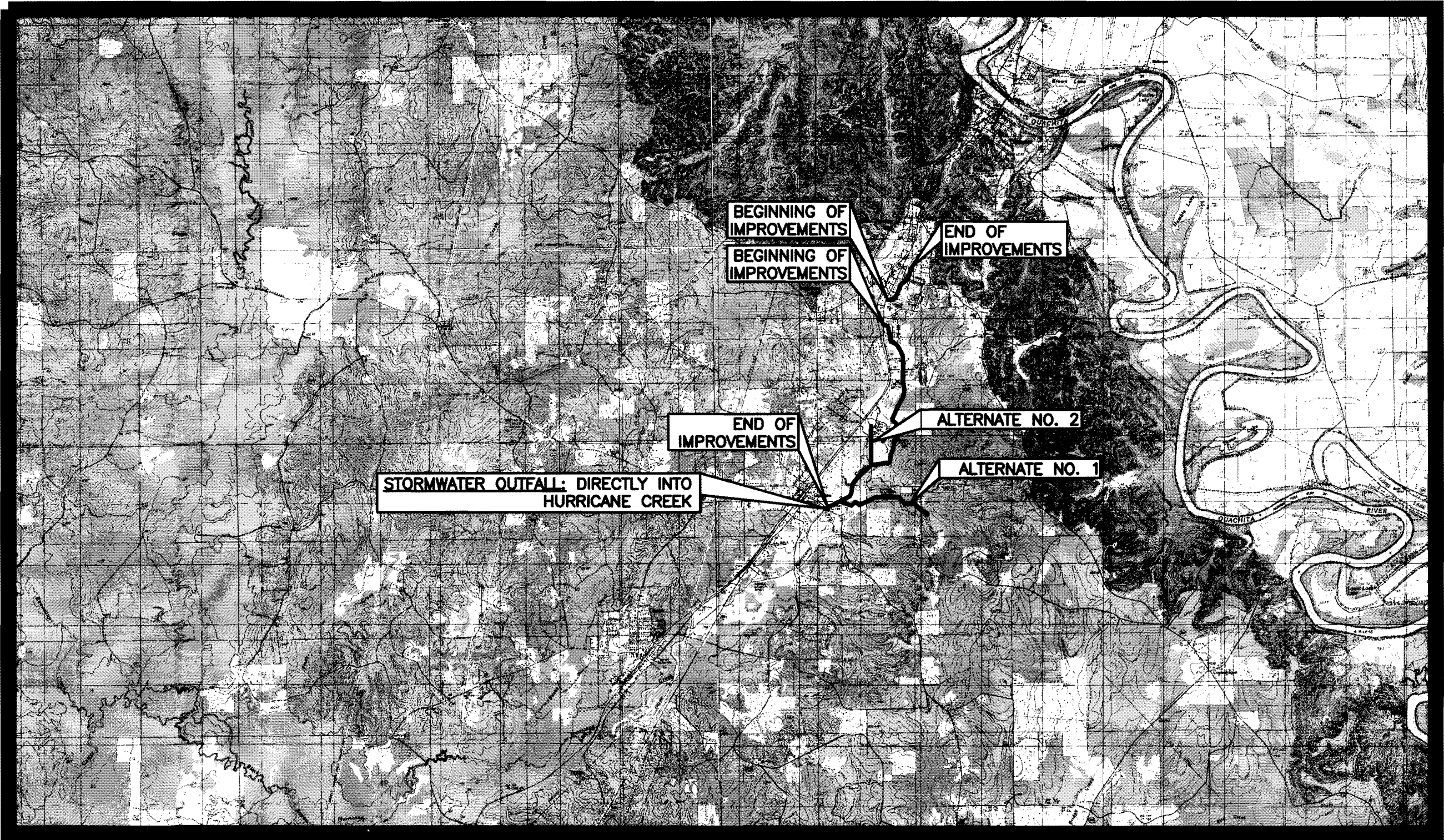
SEQUENCE OF CONSTRUCTION

PHASE I:

- INSTALL TEMPORARY STONE CONSTRUCTION EXIT AND SWPPP NOTIFICATION SIGN. DUE TO VARIOUS STAGES AND ACCESS AREAS, CONTRACTOR TO NOTE LOCATION OF EXIT AND SIGN ON PLANS, AND NOTE REVISIONS AS PROJECT EVOLVES.
- INSTALL SILT FENCE AND CONSTRUCTION FENCE. ONLY AREAS REQUIRED FOR FENCE CONSTRUCTION AROUND FENCE CAN BE CLEARED.
- INSTALL STORAGE FACILITIES, JOB SITE TRAILER, PARKING, STAGING AREAS, WASTE DISPOSAL AREAS, ETC.
- INSTALL COFFER DAM AND PERFORM DEWATERING ACTIVITIES AS NEEDED.
- INSTALL TEMPORARY BERMS. THROUGHOUT THE STAGING OF THE PROJECT THESE BERMS SHALL BE CONSTRUCTED SO THAT EACH BERM HAVE A MAXIMUM OF 5,000 L.F. OF CONSTRUCTION UPSTREAM OF BERM.
- BEGIN CLEARING AND GRUBBING, AT SOUTH EXTENTS OF CREEK AND WORK NORTH.
- BEGIN REGRADING CREEK, AT SOUTH EXTENTS OF CREEK AND WORK NORTH.

PHASE II:

- TEMPORARY MULCH AND SEED, THROUGHOUT CONSTRUCTION, DISTURBED AREAS WHICH WILL BE INACTIVE FOR MORE THAN 14 DAYS. IF CONTRACTOR KNOWS ONCE AREAS ARE GRADED, THAT THEY WILL BE INACTIVE FOR 14 DAYS, CONTRACTOR IS TO STABILIZE THESE AREAS IMMEDIATELY.
- INSTALL TEMPORARY CHECK DAMS, AS GRADING PROCEEDS PRIOR TO FINAL STABILIZATION MEASURES.
- AS CONSTRUCTION APPROACHES EACH AREA DESIGNATED, INSTALL RIP RAP.
- INSTALL FINAL STABILIZATION MEASURES SUCH AS SEEDING, EROSION BLANKETS, OR HYDROSEED AS AREAS ARE BROUGHT TO FINAL GRADE.
- REMOVE AND REPLACE CULVERTS AT SPARTAN DR., SIDNEY LN., GARSEE RD., AND MARTIN LUTHER ST., AS CONSTRUCTION APPROACHES EACH ROAD.
- COMPLETE GRADING AND INSTALLATION OF FINAL STABILIZATION MEASURES.
- TEMPORARY STABILIZATION MEASURES CAN BE REMOVED, ONCE PROJECT CONSTRUCTION IS COMPLETED, VEGETATION ESTABLISHED FOR 70% OF THE DISTURBED AREA, AND CONTRACTOR HAS RECEIVED SIGN-OFF FROM ENGINEER AND APPROPRIATE AGENCIES. ANY AREAS DISTURBED BY REMOVAL OF BMPS, SHALL BE STABILIZED.



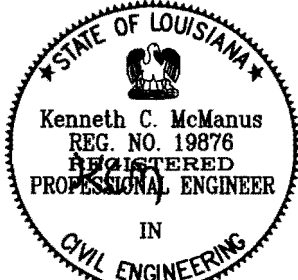
USGS QUAD MAP  
NTS

DISTURBED ACREAGE	
50.0 ACRES	TOTAL DISTURBED AREA
49.9 ACRES	TOTAL PERVIOUS AREA
0.10 ACRES	TOTAL IMPERVIOUS AREA

RUN-OFF COEFFICIENTS	
PRECONSTRUCTION RUN-OFF COEFFICIENT: CN = 77	
POST CONSTRUCTION RUN-OFF COEFFICIENT: CN = 77	

THERE ARE MANY SOIL CLASSIFICATIONS FOR THIS PROJECT. SOIL CLASSIFICATIONS WILL BE LOCATED IN THE SWPPP SPECIFICATION.

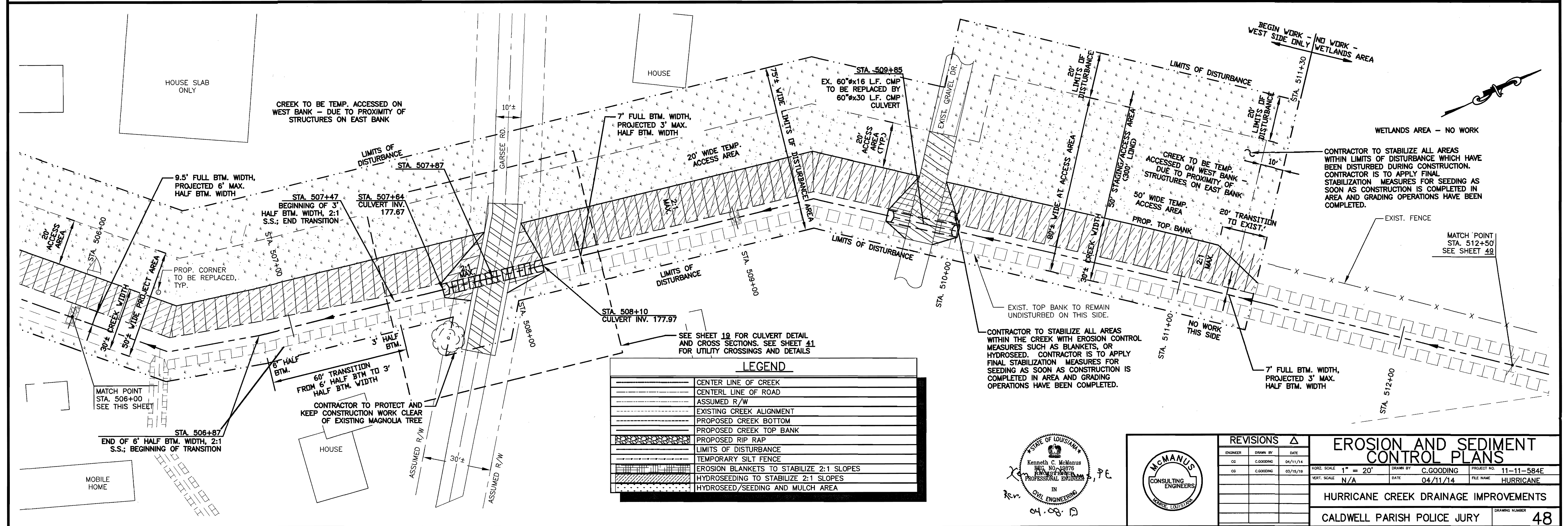
OFF-SITE MATERIAL PERMIT INFORMATION	
BORROW SITE NAME:	
BORROW SITE LPDES PERMIT NO:	
BORROW SITE PERMIT HOLDER:	



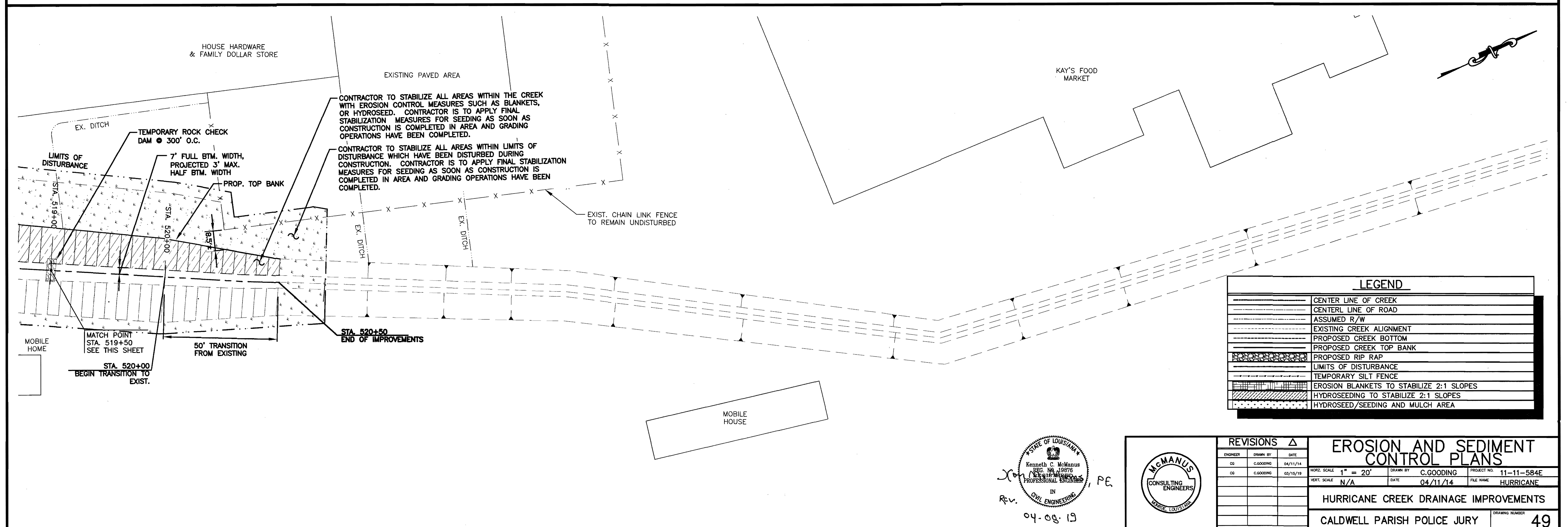
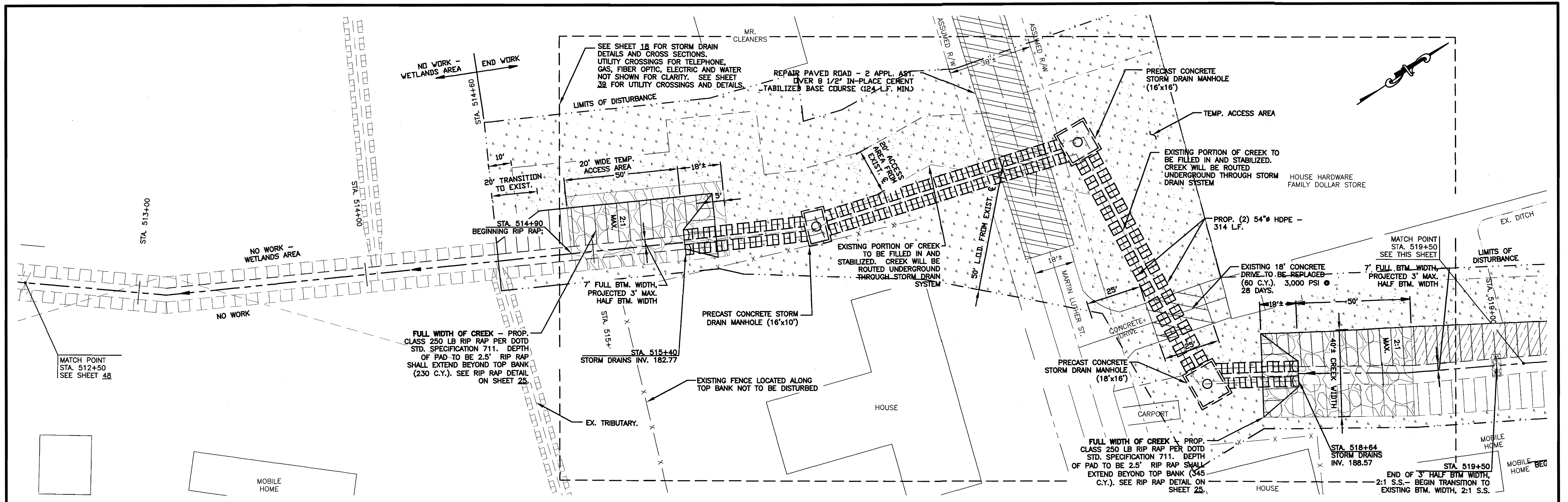
05-06-14

REVISIONS			EROSION AND SEDIMENT CONTROL GENERAL NOTES		
ENGINEER	DRAWN BY	DATE	HORIZ. SCALE	DRAWN BY	PROJECT NO.
CS	C.GOODING	04/11/14	AS SHOWN	C.GOODING	11-11-584
			VERT. SCALE	DATE	FILE NAME
			N/A	04/11/14	EROSION NOTES
			HURRICANE CREEK DRAINAGE IMPROVEMENTS		
			Caldwell Parish Police Jury		
			DRAWING NUMBER		
			47		







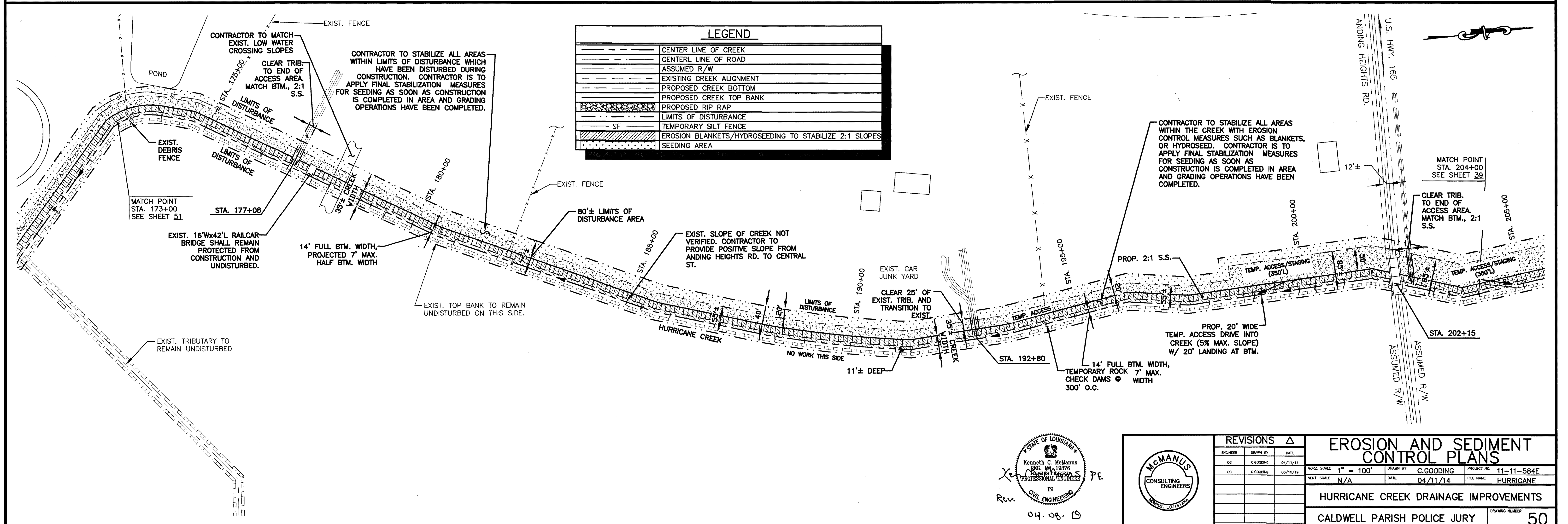
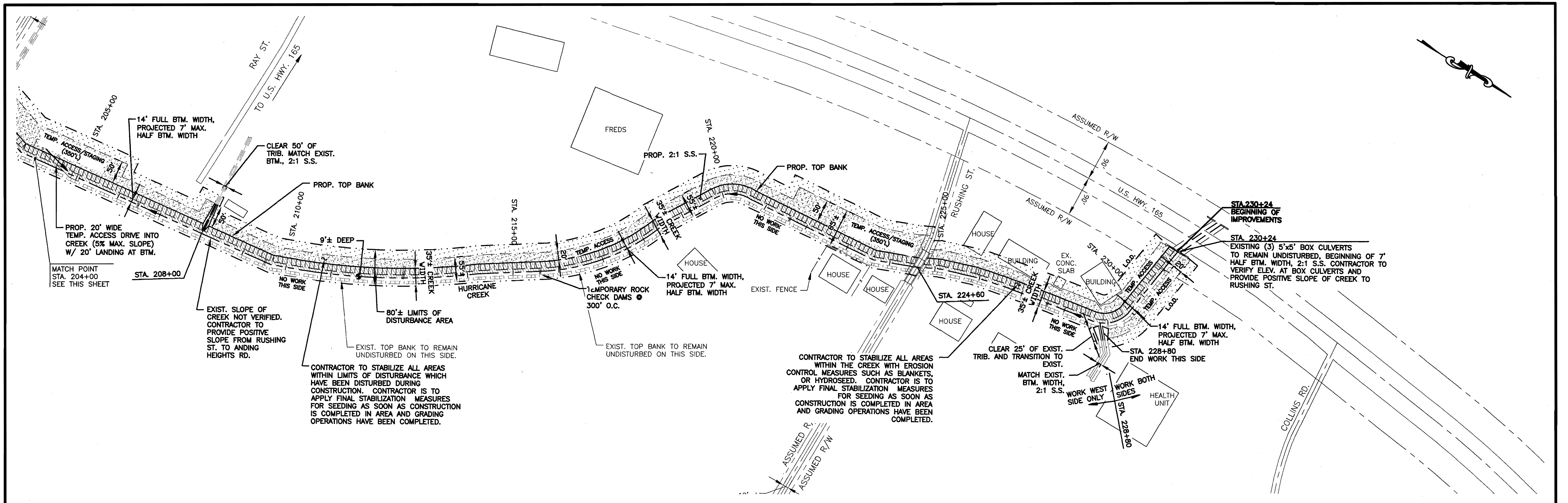


LEGEND	
	CENTER LINE OF CREEK
	CENTER LINE OF ROAD
	ASSUMED R/W
	EXISTING CREEK ALIGNMENT
	PROPOSED CREEK BOTTOM
	PROPOSED CREEK TOP BANK
	PROPOSED RIP RAP
	LIMITS OF DISTURBANCE
	TEMPORARY SILT FENCE
	EROSION BLANKETS TO STABILIZE 2:1 SLOPES
	HYDROSEEDING TO STABILIZE 2:1 SLOPES
	HYDROSEED/SEEDING AND MULCH AREA

Kenneth C. McManus  
 2002, N/A, 19876  
 CIVIL ENGINEERING  
 04.08.19

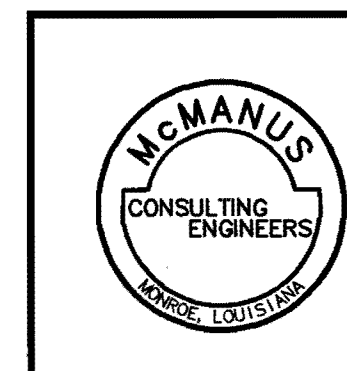
REVISIONS			EROSION AND SEDIMENT CONTROL PLANS		
ENGINEER	DRAWN BY	DATE	HORIZ. SCALE	DRAWN BY	PROJECT NO.
CS	C.GOODING	04/11/14	1" = 20'	C.GOODING	11-11-584E
CS	C.GOODING	03/15/18	VERT. SCALE	DATE	FILE NAME
			N/A	04/11/14	HURRICANE
HURRICANE CREEK DRAINAGE IMPROVEMENTS					DRAWING NUMBER
CALDWELL PARISH POLICE JURY					49





LEGEND	
	CENTER LINE OF CREEK
	CENTER LINE OF ROAD
	ASSUMED R/W
	EXISTING CREEK ALIGNMENT
	PROPOSED CREEK BOTTOM
	PROPOSED CREEK TOP BANK
	PROPOSED RIP RAP
	LIMITS OF DISTURBANCE
	TEMPORARY SILT FENCE
	EROSION BLANKETS/HYDROSEEDING TO STABILIZE 2:1 SLOPES
	SEEDING AREA

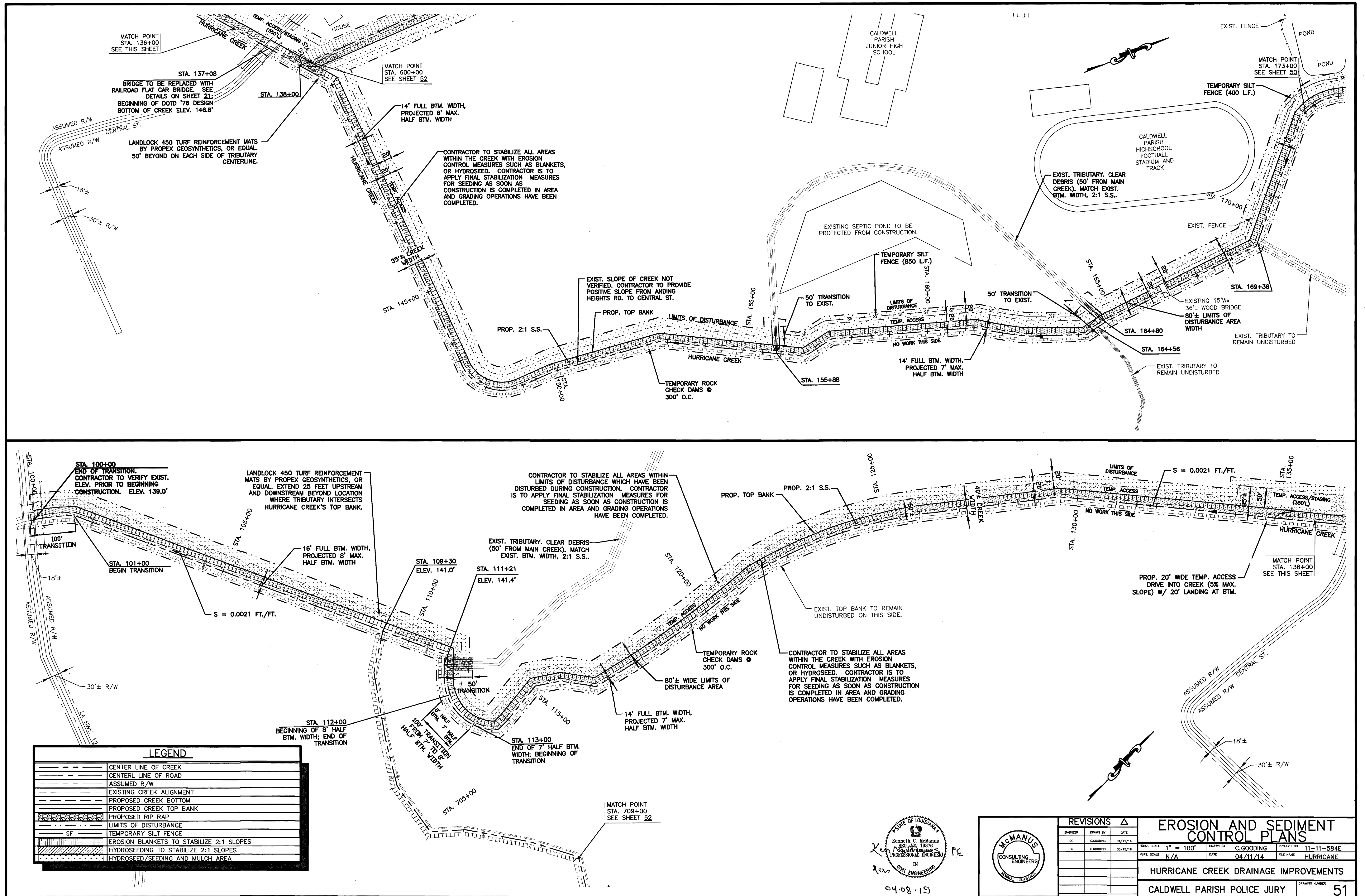
Kenneth C. McManus  
 1807 S. 19th St.  
 Metairie, LA 70001  
 PROFESSIONAL ENGINEER  
 IN  
 CIVIL ENGINEERING  
 Rev. 04.08.19



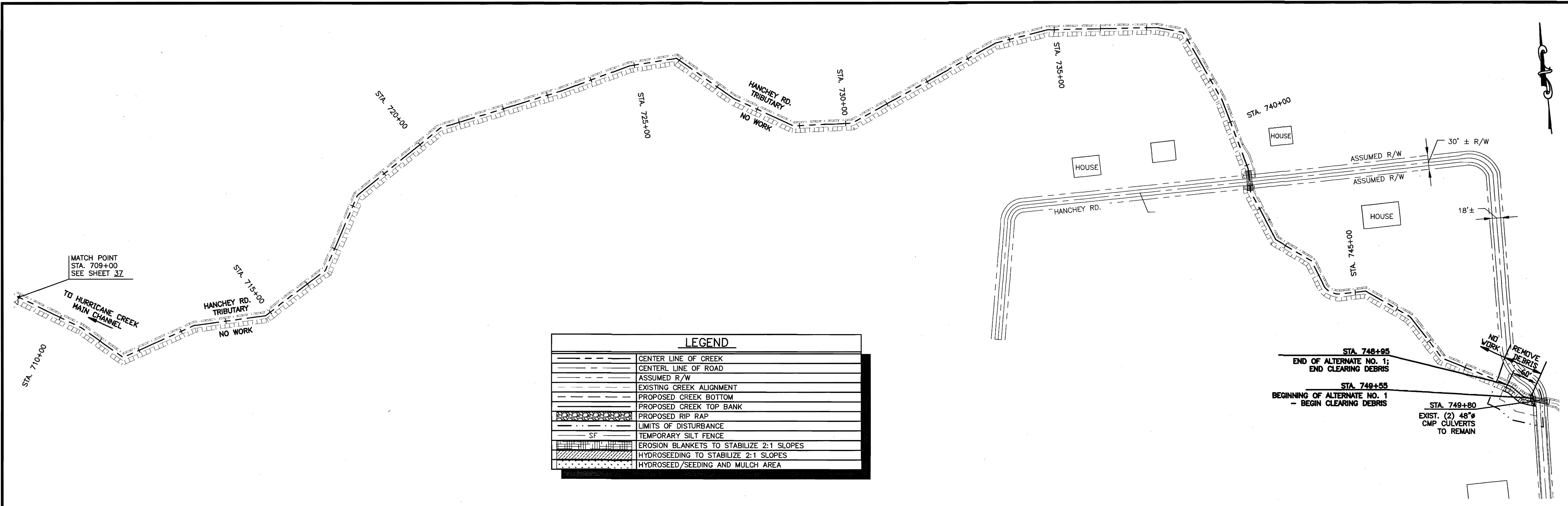
REVISIONS		
ENGINEER	DATE	DATE
CG	03/09/09	04/11/14
CG	03/09/09	03/15/19

EROSION AND SEDIMENT CONTROL PLANS			
HORIZ. SCALE	1" = 100'	DRAWN BY	C.GOODING
VERT. SCALE	N/A	DATE	04/11/14
HURRICANE CREEK DRAINAGE IMPROVEMENTS		PROJECT NO.	11-11-584E
Caldwell Parish Police Jury		FILE NAME	HURRICANE
DRAWING NUMBER		50	

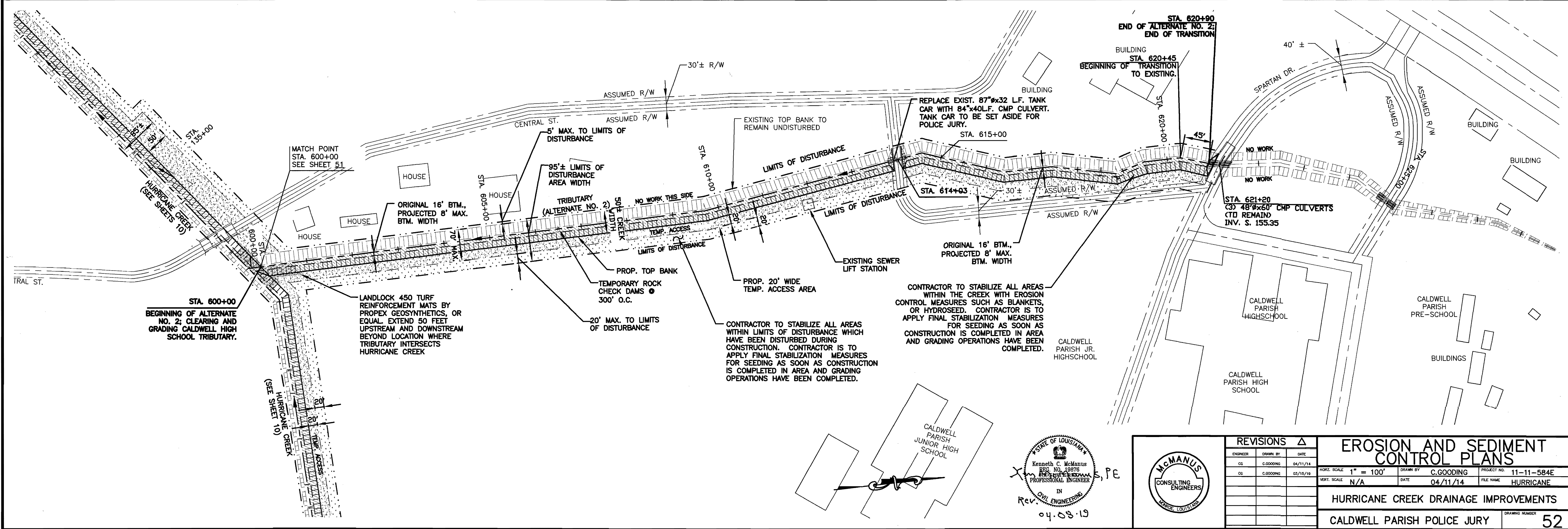




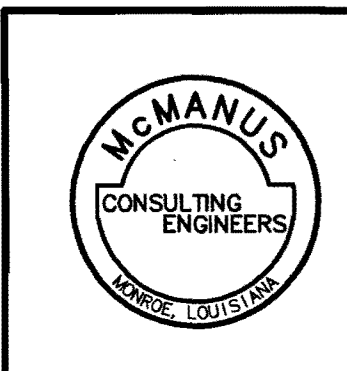




LEGEND	
	CENTER LINE OF CREEK
	CENTER LINE OF ROAD
	ASSUMED R/W
	EXISTING CREEK ALIGNMENT
	PROPOSED CREEK BOTTOM
	PROPOSED CREEK TOP BANK
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	EROSION BLANKETS TO STABILIZE 2:1 SLOPES
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	HYDROSEED/SEEDING AND MULCH AREA



Kenneth C. McManus  
 REG. NO. 10876  
 PROFESSIONAL ENGINEER  
 IN  
 CIVIL ENGINEERING  
 04.08.19



REVISIONS		
NO.	DESCRIPTION	DATE
01	C. GOODING	04/11/14
02	C. GOODING	03/18/16

EROSION AND SEDIMENT CONTROL PLANS			
HORZ. SCALE	1" = 100'	DRAWN BY	C. GOODING
VERT. SCALE	N/A	DATE	04/11/14
PROJECT NO.		11-11-584E	
HURRICANE CREEK DRAINAGE IMPROVEMENTS		FILE NAME	HURRICANE
Caldwell Parish Police Jury		DRAWING NUMBER	52