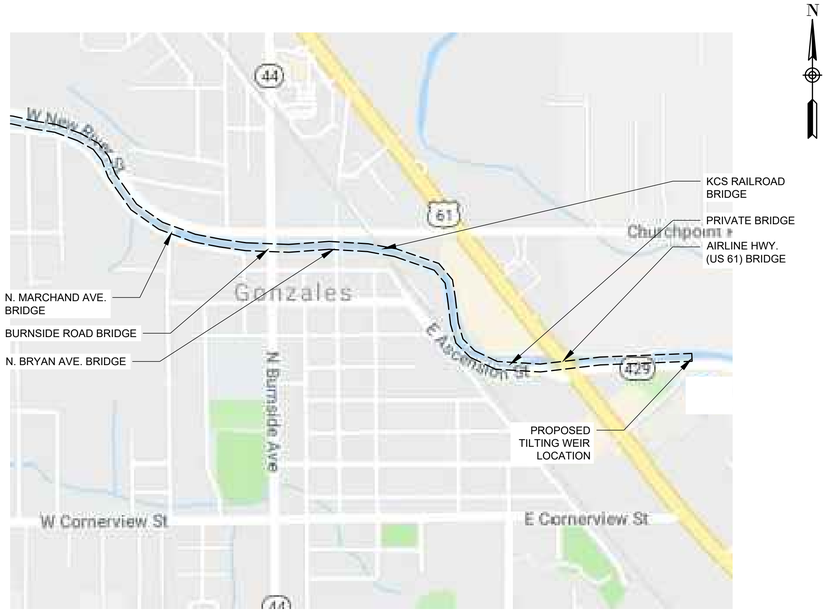
CONTRACT DRAWINGS FOR
NEW RIVER CHANNEL TILTING WEIR STRUCTURE
EAST ASCENSION CONSOLIDATED GRAVITY DRAINAGE DISTRICT NO.1
ASCENSION PARISH, LOUISIANA
PARISH PROJECT No. EAD 15-004
HDCA PROJECT NO. 2021-14

H. Davis Cole & Associates, LLC
Consulting Engineers

NEW ORLEANS OFFICE
1340 Poydras Street, Suite 1850
New Orleans, Louisiana 70112
Telephone: 504.836.2020
Facsimile: 504.836.2010

Website: www.hdaviscole.com
Email: info@hdaviscole.com



PROJECT AREA
SCALE: N.T.S.

EAST ASCENSION CONSOLIDATED GRAVITY DRAINAGE DISTRICT NO.1
42077 CHURCHPOINT ROAD
GONZALES, LA 70737

APPROXIMATE PROJECT SITE GPS COORDINATES
30° 14' 12.91" N
90° 54' 31.40" W

ISSUED FOR CONSTRUCTION

PREPARED FOR

EAST ASCENSION CONSOLIDATED
GRAVITY DRAINAGE DISTRICT NO.1
42077 CHURCHPOINT ROAD
GONZALES, LA 70737

PARISH PRESIDENT
CLINT COINTMENT

DIRECTOR-ASCENSION PARISH DPW
RON SAVOY, P.E.

PARISH COUNCIL

ALVIN THOMAS	DISTRICT 1
JOEL ROBERT	DISTRICT 2
TRAVIS TURNER	DISTRICT 3
COREY ORGERON	DISTRICT 4
DEMPSEY LAMBERT	DISTRICT 5
CHASE MELANCON	DISTRICT 6
AARON LAWLER	DISTRICT 7
TERI CASSO	DISTRICT 8
DAL WAGUESPACK	DISTRICT 9
JOHN CAGNOLATTI	DISTRICT 10, CHAIRMAN
MICHAEL MASON	DISTRICT 11

PREPARED BY AND RECOMMENDED FOR APPROVAL BY:
H. DAVIS COLE & ASSOCIATES, LLC

30219
H. DAVIS COLE, P.E. — LICENSE No. — DATE
MANAGING MEMBER\
PRINCIPAL ENGINEER

APPROVED BY:
ASCENSION PARISH GOVERNMENT

RON SAVOY — DATE
DIRECTOR, PUBLIC WORKS

LIST OF DRAWINGS

COVER SHEET

01-CO	COVER SHEET

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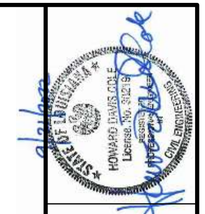
SUPPLEMENTAL

- SURVEY PREPARED BY BRYANT HAMMETT & ASSOCIATES, LLC



WARNING
IF THIS BAR DOES NOT MEASURE 1" (BASED ON 22"x34" SHEET) THEN DRAWING IS NOT TO SCALE.

H. Davis Cole & Associates, LLC
Consulting Engineers
NEW ORLEANS, LA

REVISION RECORD

MARK	DESCRIPTION	DATE	BY	CHK'D

DESIGNED BY: HDC
DRAWN BY: RM
CHECKED BY: HDC
DATE: Sep-22
DETAILED BY: RM
HDC PROJECT NO. 2021-14

NEW RIVER TILTING WEIR STRUCTURE
ASCENSION PARISH LOUISIANA
EAST ASCENSION CONSOLIDATION GRAVITY DRAINAGE DISTRICT 1
ASCENSION PARISH
LIST OF DRAWINGS

SHEET ID
G1

SHEET SET
2 OF **30**

GENERAL

1) THESE NOTES AND SPECIFICATIONS ARE GENERAL AND APPLY TO THE ENTIRE PROJECT UNLESS THERE ARE SPECIFIC INDICATIONS OTHERWISE. NOTES AND SPECIFICATIONS ARE CONTINUED THROUGHOUT THE PLANS.

2) NOTIFY THE OWNER, ENGINEER, AND RESIDENT PROJECT REPRESENTATIVE, OWNER'S PROGRAM MANAGER, AND OPERATOR OF CONSTRUCTION A MINIMUM OF ONE WEEK PRIOR TO THE BEGINNING OF CONSTRUCTION. NOTIFY THE ENGINEER AT THE CONCLUSION OF CONSTRUCTION TO ALLOW FOR INSPECTION OF THE PROJECT.

3) IN THE EVENT OF DISCREPANCIES, CONFLICTS, OR OMISSIONS, IMMEDIATELY NOTIFY THE OWNER, ENGINEER, AND RESIDENT PROJECT REPRESENTATIVE AND OBTAIN WRITTEN INSTRUCTIONS FROM THE ENGINEER PRIOR TO PROCEEDING WITH AFFECTED WORK.

4) ASSUME COMPLETE AND SOLE RESPONSIBILITY FOR THE JOB SITE INCLUDING THE SAFETY OF PERSONS, PROPERTY, AND ADJACENT IMPROVEMENTS. ANY INSPECTION BY THE ENGINEER WILL BE SOLELY TO DETERMINE COMPLIANCE WITH THE PLANS AND SPECIFICATIONS AND WILL NOT INCLUDE ANY REVIEW OF THE ADEQUACY OF THE CONTRACTOR'S SAFETY MEASURES.

5) THESE DRAWINGS ARE SCALED FOR PRODUCTION ON 22" X 34" MEDIA (ANSI - D SHEET SIZE). SCALE PRINTS ON OTHER SIZED MEDIA ACCORDINGLY.

6) ASSUME RESPONSIBILITY FOR THE PROVISION OF ALL TEMPORARY UTILITIES NECESSARY FOR THE PROPER EXECUTION OF THE WORK IN THE MOST EFFICIENT MANNER PRACTICAL. INCLUDE THE COST OF PROVISION OF THESE TEMPORARY UTILITIES IN THE PRICE OF THE WORK.

7) USE NEW OR USED MATERIALS AND EQUIPMENT FOR TEMPORARY UTILITIES, WHICH ARE IN SUBSTANTIALLY UNDAMAGED CONDITION AND WITHOUT SIGNIFICANT DETERIORATION AND WHICH ARE RECOGNIZED IN THE CONSTRUCTION INDUSTRY, BY COMPLIANCE WITH APPROPRIATE STANDARDS, AS BEING SUITABLE FOR INTENDED USE IN EACH CASE. WHERE A PORTION OF A TEMPORARY UTILITY IS PROVIDED BY UTILITY COMPANY, PROVIDE THE REMAINING PORTION WITH MATCHING AND COMPATIBLE MATERIALS AND EQUIPMENT AND COMPLY WITH RECOMMENDATIONS OF UTILITY COMPANY.

8) PROVIDE POWER REQUIRED FOR OPERATIONS UNDER THE CONTRACT, AND PROVIDE AND MAINTAIN ALL TEMPORARY POWER LINES REQUIRED TO PERFORM THE WORK IN A SAFE AND SATISFACTORY MANNER.

9) PROVIDE A WEATHERPROOF, GROUNDED, TEMPORARY POWER DISTRIBUTION SYSTEM SUFFICIENT FOR PERFORMANCE OF ENTIRE WORK OF PROJECT. PROVIDE CIRCUITS OF ADEQUATE SIZE AND PROPER POWER CHARACTERISTICS FOR EACH USE; RUN CIRCUIT WIRING WHERE IT WILL BE LEAST EXPOSED TO POSSIBLE DAMAGE FROM CONSTRUCTION OPERATIONS AND WILL RESULT IN MINIMAL INTERFERENCE WITH PERFORMANCE OF THE WORK; PROVIDE RIGID STEEL CONDUIT OR EQUIVALENT RACEWAYS FOR WIRING WHICH MUST BE EXPOSED ON GRADE, FLOORS, DECKS, OR OTHER EXPOSURES TO DAMAGE OR ABUSE. INSTALL AND MAINTAIN WIRING FOR TEMPORARY ELECTRIC LIGHT AND POWER AND SECURELY FASTEN IN PLACE. PROVIDE TEMPORARY ELECTRICAL FACILITIES WHICH CONFORM TO THE REQUIREMENTS OF SUBPART K OF THE OSHA SAFETY AND HEALTH STANDARDS FOR CONSTRUCTION.

10) USE SUITABLE LIGHT TO INSURE PROPER WORK AND TO AFFORD ADEQUATE FACILITIES FOR INSPECTION AND SAFE WORKING CONDITIONS DURING WORK CONDUCTED AT NIGHT OR UNDER CONDITIONS OF DEFICIENT DAYLIGHT.

11) PROVIDE A GENERAL, WEATHERPROOF, GROUNDED TEMPORARY LIGHTING SYSTEM IN EVERY AREA OF CONSTRUCTION WORK, AS SOON AS PRACTICAL TO PROVIDE SUFFICIENT ILLUMINATION FOR SAFE WORK AND TRAFFIC CONDITIONS. RUN CIRCUIT WIRING IN LOCATIONS WHERE IT WILL BE LEAST EXPOSED TO POSSIBLE DAMAGE FROM CONSTRUCTION OPERATIONS.

12) PROVIDE AN ADEQUATE SUPPLY OF WATER OF A QUALITY SUITABLE FOR ALL DOMESTIC AND CONSTRUCTION PURPOSES. DO NOT MAKE ANY CONNECTION TO OR DRAW WATER FROM ANY FIRE HYDRANT OR PIPELINE WITHOUT FIRST OBTAINING PERMISSION OF THE AUTHORITY HAVING JURISDICTION OVER THE USE OF SAID FIRE HYDRANT OR PIPELINE AND FROM THE AGENCY OWNING THE AFFECTED WATER SYSTEM. FOR EACH SUCH CONNECTION MADE, FIRST ATTACH TO THE FIRE HYDRANT OR PIPELINE A VALVE AND A METER, IF REQUIRED BY THE SAID AUTHORITY, OF A SIZE AND TYPE ACCEPTABLE TO SAID AUTHORITY AND AGENCY. PAY ALL PERMIT AND WATER CHARGES AND INCLUDE ALL COSTS IN THE PRICE OF THE WORK.

13) INVESTIGATE THE CONDITION OF AVAILABLE PUBLIC AND PRIVATE ROADS AND OF CLEARANCES, RESTRICTIONS, BRIDGE LOAD LIMITS, AND OTHER LIMITATIONS AFFECTING TRANSPORTATION AND INGRESS AND EGRESS TO THE SITE OF THE WORK. CONSTRUCT AND MAINTAIN ANY HAUL ROADS REQUIRED FOR ITS CONSTRUCTION OPERATIONS.

14) WHEREVER NECESSARY, TO MAINTAIN VEHICULAR CROSSINGS, PROVIDE SUITABLE TEMPORARY BRIDGES OR STEEL PLATES OVER UNFILLED EXCAVATIONS, EXCEPT IN SUCH CASES AS THE WRITTEN CONSENT OF THE RESPONSIBLE INDIVIDUALS OR AUTHORITIES TO OMIT SUCH TEMPORARY BRIDGES OR STEEL PLATES. DELIVER EVIDENCE OF SUCH CONSENT TO THE ENGINEER PRIOR TO EXCAVATION. MAINTAIN ALL SUCH BRIDGES OR STEEL PLATES IN SERVICE UNTIL ACCESS IS PROVIDED ACROSS THE BACKFILLED EXCAVATION. CONFORM TO THE REQUIREMENTS OF THE AUTHORITY HAVING JURISDICTION IN EACH CASE, AND ADOPT DESIGNS FURNISHED BY SAID AUTHORITY FOR SUCH BRIDGES OR STEEL PLATES, OR SUBMIT DESIGNS TO SAID AUTHORITY FOR APPROVAL, AS MAY BE REQUIRED.

15) ASSUME FULL RESPONSIBILITY FOR MAKING ARRANGEMENTS FOR ANY NECESSARY OFF-SITE STORAGE OR SHOP AREAS NECESSARY FOR THE PROPER EXECUTION OF THE WORK.

16) PROTECT ALL EXISTING UTILITIES AND IMPROVEMENTS NOT DESIGNATED FOR REMOVAL AND RESTORE DAMAGED OR TEMPORARILY RELOCATED UTILITIES AND IMPROVEMENTS TO A CONDITION EQUAL TO OR BETTER THAN PRIOR TO SUCH DAMAGE OR TEMPORARY RELOCATION.

17) DO NOT COMMENCE OPERATIONS ADJACENT TO PROPERTIES OF RAILWAY AND UTILITY COMPANIES OR ADJACENT TO OTHER PROPERTY, DAMAGE TO WHICH MIGHT RESULT IN CONSIDERABLE EXPENSE, LOSS OR INCONVENIENCE UNTIL AFTER ALL ARRANGEMENTS NECESSARY FOR THE PROTECTION THEREOF HAVE BEEN MADE.

18) COOPERATE WITH OWNERS OF UTILITY LINES IN THEIR REMOVAL AND REARRANGEMENT, IN ORDER THAT THESE OPERATIONS MAY PROGRESS IN A REASONABLE MANNER, THAT DUPLICATION OF REARRANGEMENT WORK MAY BE MINIMIZED AND THAT SERVICES RENDERED BY THOSE PARTIES WILL NOT BE UNNECESSARILY INTERRUPTED.

19) IN THE EVENT OF INTERRUPTION OF UTILITY SERVICES DUE TO ACCIDENTAL BREAKAGE OR BEING EXPOSED OR UNSUPPORTED, PROMPTLY NOTIFY THE PROPER AUTHORITY AND COOPERATE WITH SUCH AUTHORITY IN RESTORATION OF SERVICE. IF UTILITY SERVICE IS INTERRUPTED, COOPERATE COMPLETELY WITH THE PROPER AUTHORITY UNTIL SERVICE IS RESTORED. UNDERTAKE NO WORK AROUND FIRE HYDRANTS UNTIL PROVISIONS FOR CONTINUED SERVICE HAVE BEEN APPROVED BY THE LOCAL FIRE AUTHORITY.

20) ESTABLISH AND MAINTAIN AN EFFECTIVE QUALITY CONTROL PROCESS. THE QUALITY CONTROL PROCESS CONSISTS OF PLANS, PROCEDURES, AND ORGANIZATION NECESSARY TO PROVIDE MATERIALS, EQUIPMENT, WORKMANSHIP, FABRICATION, CONSTRUCTION AND OPERATIONS WHICH COMPLY WITH THE CONTRACT REQUIREMENTS. THE PROCESS COVERS CONSTRUCTION OPERATIONS BOTH ONSITE AND OFFSITE, AND IS KEYED TO THE PROPOSED CONSTRUCTION SEQUENCE.

21) ASSUME FULL AND SOLE RESPONSIBILITY FOR THE PROTECTION OF THE SITE, AND ALL WORK, MATERIALS, EQUIPMENT AND EXISTING FACILITIES THEREON, AGAINST THEFT, VANDALS, AND OTHER UNAUTHORIZED PERSONS.

22) MAKE NO CLAIM AGAINST OWNER BY REASON OF ANY ACT OF AN EMPLOYEE OR TRESPASSER, AND MAKE GOOD ALL DAMAGE TO OWNER'S PROPERTY RESULTING FROM HIS FAILURE TO PROVIDE SECURITY MEASURES AS SPECIFIED.

23) USE SECURITY MEASURES THAT ARE AT LEAST EQUAL TO THOSE USUALLY PROVIDED TO PROTECT THE EXISTING FACILITIES DURING NORMAL OPERATION, BUT ALSO INCLUDE SUCH ADDITIONAL SECURITY FENCING, BARRICADES, LIGHTING, WATCHMAN SERVICES AND OTHER MEASURES AS REQUIRED TO PROTECT THE SITE.

24) PROMPTLY REMOVE FROM THE VICINITY OF THE COMPLETED WORK, ALL RUBBISH, UNUSED MATERIALS, CONCRETE FORMS, CONSTRUCTION EQUIPMENT, AND TEMPORARY STRUCTURES AND FACILITIES USED DURING CONSTRUCTION. FINAL ACCEPTANCE OF THE WORK BY THE OWNER WILL BE WITHHELD UNTIL THE CONTRACTOR HAS SATISFACTORILY PERFORMED THE FINAL CLEANUP OF THE SITE.

PROJECT LAYOUT

1) ASSUME RESPONSIBILITY FOR LAYING OUT THE WORK AND VERIFYING ALL MEASUREMENTS PRIOR TO AND DURING THE ENTIRE PERIOD OF CONSTRUCTION. CONTINUOUSLY VERIFY ALL MEASUREMENTS.

2) THE MEASUREMENTS, EQUIPMENT ARRANGEMENTS, LINES, AND GRADES SHOWN ON THE PLANS MAY BE VARIED SLIGHTLY BY THE ENGINEER IN THE FIELD IF CONDITIONS JUSTIFY SUCH A VARIATION.

METALS

1) VERIFY ALL DIMENSIONS AND MAKE ANY FIELD MEASUREMENTS NECESSARY. ASSUME FULL RESPONSIBILITY FOR ACCURACY AND LAYOUT OF WORK. REVIEW THE DRAWINGS, AND REPORT ANY DISCREPANCIES WITH ACTUAL DIMENSIONS TO THE ENGINEER FOR CLARIFICATION PRIOR TO STARTING FABRICATION.

2) UNLESS OTHERWISE INDICATED, COAT FABRICATED STEEL METALWORK WHICH WILL BE USED IN A CORROSIVE ENVIRONMENT AND/OR WILL BE SUBMERGED IN WATER/WASTEWATER AS SPECIFIED OR AS INDICATED AND DO NOT GALVANIZE PRIOR TO COATING. HOT-DIP GALVANIZE OTHER MISCELLANEOUS STEEL METALWORK AFTER FABRICATION.

3) UNLESS OTHERWISE INDICATED, USE TYPE 316 STAINLESS STEEL METALWORK AND BOLTS. WHERE ANAEROBIC CONDITIONS ARE NOTED, USE TYPE 304 STAINLESS STEEL.

4) UNLESS OTHERWISE INDICATED, USE ALLOY 6061-T6 ALUMINUM METALWORK. ALUMINUM IN CONTACT WITH CONCRETE, MASONRY, WOOD, POROUS MATERIALS, OR DISSIMILAR METALS COAT CONTACT SURFACES IN ACCORDANCE WITH SECTION 09800.

5) UNLESS OTHERWISE INDICATED, PROVIDE AND INSTALL IRON CASTINGS COMPLYING WITH THE REQUIREMENTS OF ASTM A 48, CLASS 50B OR BETTER.

6) PROVIDE AND INSTALL STRUCTURAL STEEL COMPLYING WITH THE TABLE BELOW:

WIDE FLANGE SHAPES	ASTM A 992
OTHER SHAPES, PLATES, BARS	ASTM A 36
PIPE, PIPE COLUMNS BOLLARDS	ATM A 53, TYPE E OR S, GRADE B STANDARD WEIGHT UNLESS NOTED OTHERWISE
HSS	ATM 500 GRADE B

7) UNLESS OTHERWISE INDICATED, USE STEEL BOLTS, ANCHOR BOLTS, WASHERS, AND NUTS AS INDICATED. USE BOLTS AND NUTS WITH THREADS FORMED BY SUITABLE TAPS AND DIES SUCH THAT THEY RETAIN NORMAL CLEARANCES AFTER HOT-DIP GALVANIZING. USE STEEL FOR BOLT MATERIAL, ANCHOR BOLTS AND CAP SCREWS IN ACCORDANCE WITH THE FOLLOWING:

- STRUCTURAL CONNECTIONS: ASTM A 307, GRADE A OR B, HOT-DIP GALVANIZED.
- ANCHOR BOLTS: ASTM A 307, GRADE A OR B, OR ASTM A 36, HOT-DIP GALVANIZED.
- HIGH STRENGTH BOLTS WHERE INDICATED: ASTM A 325.
- PIPE AND EQUIPMENT FLANGE BOLTS: ASTM A 193, GRADE B-7.

8) USE STAINLESS STEEL BOLTS, NUTS, AND WASHERS IN THE LOCATIONS LISTED BELOW AS INDICATED.

- BURIED LOCATIONS.
- SUBMERGED LOCATIONS.
- LOCATIONS SUBJECT TO SEASONAL OR OCCASIONAL FLOODING.
- INSIDE HYDRAULIC STRUCTURES BELOW THE TOP OF THE STRUCTURE.
- INSIDE BURIED VAULTS, MANHOLES, WET WELLS, AND STRUCTURES.
- CHEMICAL HANDLING AREAS.
- INSIDE TRENCHES, CONTAINMENT WALLS, AND CURBED AREAS.
- LOCATIONS INDICATED BY THE CONTRACT DOCUMENTS OR DESIGNATED BY THE ENGINEER TO BE PROVIDED WITH STAINLESS STEEL BOLTS.

9) UNLESS OTHERWISE INDICATED, USE TYPE 316 STAINLESS STEEL, CLASS 2, BOLTS, ANCHOR BOLTS, NUTS, AND WASHERS, CONFORMING TO ASTM A 193 FOR BOLTS AND TO ASTM A 194 FOR NUTS. PROTECT THREADS ON STAINLESS STEEL BOLTS WITH AN ANTISEIZE LUBRICANT SUITABLE FOR SUBMERGED STAINLESS STEEL BOLTS, TO MEET GOVERNMENT SPECIFICATION MIL-A-907E. COAT BURIED BOLTS IN POORLY DRAINED SOIL THE SAME AS THE BURIED PIPE. USE ANTI - SEIZE LUBRICANT CLASSIFIED AS ACCEPTABLE FOR POTABLE WATER USE BY THE NSF.

10) USE BOLT AND NUT MATERIAL OF FREE CUTTING STEEL.

11) USE NUTS CAPABLE OF DEVELOPING THE FULL STRENGTH OF THE BOLTS. USE COARSE THREAD SERIES CONFORMING TO THE REQUIREMENTS OF THE AMERICAN STANDARD FOR SCREW THREADS. USE BOLTS AND CAP SCREWS WITH HEXAGON HEADS AND HEAVY HEXAGON SERIES NUTS.

12) INSTALL BOLTS AND NUTS WITH WASHERS FABRICATED OF MATERIAL MATCHING THE BASE MATERIAL OF BOLTS. CONFORM TO THE REQUIREMENTS OF THE AISC SPECIFICATION FOR HARDENED WASHERS FOR HIGH STRENGTH BOLTS. INSTALL LOCK WASHERS FABRICATED OF MATERIAL MATCHING THE BOLTS WHERE INDICATED.

13) MAKE THE LENGTH OF EACH BOLT SUCH THAT THE BOLT EXTENDS AT LEAST 1/8-INCH BEYOND THE OUTSIDE FACE OF THE NUT BEFORE TIGHTENING, EXCEPT FOR ANCHOR BOLTS, MAKE FLUSH WITH THE FACE OF THE NUT BEFORE TIGHTENING.

14) ADHESIVE ANCHORS AND RODS: UNLESS OTHERWISE INDICATED, USE DRILLED CONCRETE OR MASONRY ANCHORS FOR ADHESIVE ANCHOR AND ROD SYSTEMS AS SPECIFIED BELOW.

A. USE ANCHORS AND RODS THAT EMPLOY AN INJECTABLE ADHESIVE. FURNISH ADHESIVE IN SIDE-BY-SIDE REFILL PACKETS THAT KEEP COMPONENTS SEPARATE PRIOR TO INSTALLATION. USE SIDE - BY - SIDE REFILL PACKETS THAT ACCEPT STATIC MIXING NOZZLES WHICH THOROUGHLY COMBINES COMPONENTS AND ALLOWS INJECTION DIRECTLY INTO DRILLED HOLE. USE ONLY INJECTION TOOLS AND STATIC MIXING NOZZLES AS RECOMMENDED BY MANUFACTURER. FOLLOW MANUFACTURER'S RECOMMENDED INSTRUCTIONS. USE HILTI - HY 500 MAX - SD OR EQUAL FOR INJECTION ADHESIVE.

B. FURNISH ANCHOR RODS WITH CHAMFERED ENDS SO THAT EITHER END WILL ACCEPT A NUT AND WASHER. ALTERNATIVELY, FURNISH ANCHOR RODS WITH AT 45 DEGREE CHISEL END ON ONE END TO ALLOW FOR EASY INSERTION INTO AN ADHESIVE - FILLED HOLE. USE ANCHOR RODS MANUFACTURED FROM AISI STAINLESS STEEL WITH A MINIMUM TENSILE STRENGTH OF 100 KSI AND A MINIMUM YIELD STRENGTH OF 65 KSI. USE TYPE 316 STAINLESS STEEL NUTS COMPLYING WITH ASTM F594. USE TYPE 316 STAINLESS WASHERS COMPLYING WITH ASTM A240, TYPE "A" (PLAIN).

15) DO NOT USE EXPANDING TYPE OR "WEDGE" ANCHORS.

16) USE HEAT-TREATED STEEL ALLOY FOR POWDER-DRIVEN PINS FOR INSTALLATION IN CONCRETE OR STEEL. IF THE PINS ARE NOT INHERENTLY SUFFICIENTLY CORROSION-RESISTANT FOR THE CONDITIONS TO WHICH THEY WILL BE EXPOSED, PROTECT IN AN ACCEPTABLE MANNER. USE PINS THAT HAVE CAPPED OR THREADED HEADS CAPABLE OF TRANSMITTING THE LOADS THE SHANKS ARE REQUIRED TO SUPPORT. USE LONGITUDINAL SERRATIONS AROUND THE CIRCUMFERENCE OF THE SHANK FOR PINS THAT ARE CONNECTED TO STEEL. POWDER-DRIVEN PINS TO BE INSTALLED BY A CRAFTSPERSON CERTIFIED BY THE MANUFACTURER AS BEING QUALIFIED TO INSTALL THE MANUFACTURER'S PINS. DRIVE PINS SHALL IN ONE INITIAL MOVEMENT BY AN INSTANTANEOUS FORCE THAT HAS BEEN CAREFULLY SELECTED TO ATTAIN THE REQUIRED PENETRATION. CONFORM DRIVEN PINS TO THE FOLLOWING REQUIREMENTS WHERE "D" = PIN'S SHANK DIAMETER.

MATERIAL PENETRATED BY PIN	MATERIAL MINIMUM THICKNESS	PIN SHANK PENETRATION IN SUPPORTING MATERIAL	MINIMUM SPACE FROM PIN'S CL TO EDGE OF PENETRATED MATERIAL	MINIMUM PIN SPACING
CONCRETE	16D	6D MINIMUM	14D	20D
STEEL	¼"	STEEL THICKNESS	4D	7D

17) USE EXPANSION TYPE ANCHOR FOR IMPACT ANCHORS IN WHICH A NAIL TYPE PIN IS DRIVEN TO PRODUCE THE EXPANSIVE FORCE. USE PIN WITH A ZINC SLEEVE WITH A MUSHROOM STYLE HEAD AND STAINLESS STEEL NAIL PIN. USE METAL HIT ANCHORS, MANUFACTURED BY HILTI, INC., RAWL ZAMAC NAILIN, MANUFACTURED BY THE RAWLPLUG COMPANY; OR EQUAL.

18) FABRICATE STRUCTURAL STEEL IN ACCORDANCE WITH THE DRAWINGS, AISC SPECIFICATIONS, AND AS SHOWN ON THE SHOP DRAWINGS. PROPERLY MATCH-MARK FABRICATED MEMBERS FOR FIELD ASSEMBLY. WHERE FINISHING IS REQUIRED, COMPLETE ASSEMBLY INCLUDING BOLTING AND WELDING OF UNITS, BEFORE START OF FINISHING OPERATIONS. BOLT OR WELD SHOP AND FIELD CONNECTIONS AS INDICATED. DEVELOP ALL CONNECTIONS FULL STRENGTH OF MEMBERS JOINED AND CONFORM TO AISC STANDARD CONNECTIONS. UNLESS OTHERWISE INDICATED, PROVIDE WELDS CONFORMING TO AISC LRFD SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS.

PROJECT AND UTILITY CONTACTS

ENGINEER ..... H. DAVIS COLE & ASSOCIATES, LLC.
MR. H. DAVIS COLE, P.E.
(504) 836-2020
hdcole@hdaviscole.com

OWNER ..... EAST ASCENSION CONSOLIDATED GRAVITY DISTRICT NO. 1
C/O ASCENSION PARISH GOVERNMENT
MR. RON SAVOY
(225) 450-1320
rsavoy@apgov.us

UTILITY/OTHER FACILITY OWNERS IN PROJECT AREA

CITY OF GONZALES
WATER, SEWER, GAS ..... MS. JACKIE BAUMANN, P.E..
CHEF ENGINEER, DEPARTMENT OF PUBLIC WORKS
(225) 647-9589
jackie@gonzalesla.com

MR. GERALD KLEINPETER
WASTEWATER SUPERVISOR
(225) 571-1351
gerald@gonzalesla.com

MR. ADAM THOMPSON
WATER/GAS SUPERVISOR
(225) 802-6931
adam@gonzalesla.com

LOUISIANA DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT (LDOTD) ..... MR. AARON ELISAR, P.E.
AREA ENGINEER, ASCENSION, ASSUMPTION, IBERVILLE, AND ST. JAMES PARISHES
DISTRICT 61 LADOTD
(225) 474-2022
aaron.elisar@la.gov

CEDRIC LACOUR
DISTRICT 61 PERMIT SPECIALIST
(225) 231-4164
cedric.lacour@la.gov

KANSAS CITY SOUTHERN RAILROAD (KCSRR) ..... MR. SRIKANTH HONNUR
CHIEF ENGINEER
shonnur@kcsouthern.com

ASCENSION PARISH WATER ..... MR. RYAN GIARDINA
(225) 952-7619

GULF SOUTH PIPELINE ..... MR. BARRY GAUTHIER
(225) 200-8495

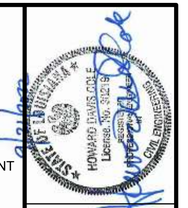
EATEL ..... TBD

REGIONAL NOTIFICATION CENTER ..... LOUISIANA ONE CALL
811
louisiana811.com

CONTACT EACH AGENCY AND/OR COMPANY LISTED PRIOR TO CONSTRUCTION TO ENSURE THAT THE FOLLOWING REQUIREMENTS ARE MET:

A) CONTACT EACH AGENCY AND COMPANY RELATIVE TO THE EXACT LOCATION OF ANY UNDERGROUND INSTALLATIONS PRIOR TO THE RELIANCE UPON THE ACCURACY OF SUCH LOCATIONS SHOWN ON THE DRAWINGS;
B) CONTACT EACH AGENCY AND COMPANY TO NOTIFY EACH AGENCY AND COMPANY OF THE START OF CONSTRUCTION;
C) CONTACT EACH AGENCY AND COMPANY TO VERIFY ANY PROPOSED CONSTRUCTION OR MODIFICATION BY ANY AGENCY AND COMPANY IN THE PROJECT AREA;
D) CONTACT EACH AGENCY AND COMPANY TO VERIFY ANY SPECIAL CONSTRUCTION REQUIREMENTS RELATED TO EACH COMPANY OR AGENCY'S FACULTY(IES).

CONTACT THE REGIONAL NOTIFICATION CENTER PRIOR TO CONSTRUCTION IN ACCORDANCE WITH THE REQUIREMENTS OF STATE LAW.



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H. Davis Cole & Associates, LLC
Consulting Engineers
NEW ORLEANS, LA

DESCRIPTION	DATE	BY	CHK'D
REVISION RECORD			

DESIGNED BY: HDC
DRAWN BY: RM
CHECKED BY: HDC
DATE: Sep-22
DETAILED BY: RM
HDC PROJECT NO. 2021-14

NEW RIVER TILTING WEIR STRUCTURE
ASCENSION PARISH LOUISIANA
EAST ASCENSION CONSOLIDATION GRAVITY DRAINAGE DISTRICT 1
ASCENSION PARISH

GENERAL NOTES AND PROJECT CONTACTS

SHEET ID
G2

SHEET SET
3 OF 30

METALS CON'T.

19) WELD USING THE METAL-ARC METHOD OR GAS-SHIELDED ARC METHOD AS DESCRIBED IN THE AMERICAN WELDING SOCIETY'S "WELDING HANDBOOK" AS SUPPLEMENTED BY OTHER PERTINENT STANDARDS OF THE AWS. ENSURE QUALIFICATION OF WELDERS ARE IN ACCORDANCE WITH THE AWS STANDARDS GOVERNING SAME. IN ASSEMBLY AND DURING WELDING, ADEQUATELY CLAMP, SUPPORT, AND RESTRAIN COMPONENT PARTS TO MINIMIZE DISTORTION AND FOR CONTROL OF DIMENSIONS. INSURE WELD REINFORCEMENT AS INDICATED BY THE AWS CODE. UPON COMPLETION OF WELDING, REMOVE WELD SPLATTER, FLUX, SLAG, AND BURRS LEFT BY ATTACHMENTS. REPAIR WELDS TO PRODUCE A WORKMANLIKE APPEARANCE, WITH UNIFORM WELD CONTOURS AND DIMENSIONS. GROUND SHARP CORNERS OF MATERIAL THAT IS TO BE PAINTED OR COATED TO A MINIMUM OF 1/32-INCH ON THE FLAT.

20) STRUCTURAL STEEL PLATES SHAPES, BARS, AND FABRICATED ASSEMBLIES REQUIRED TO BE GALVANIZED SHALL, AFTER THE STEEL HAS BEEN THOROUGHLY CLEANED OF RUST AND SCALE, BE GALVANIZED IN ACCORDANCE WITH THE REQUIREMENTS OF ASTM A 123. ANY GALVANIZED PART THAT BECOMES WARPED DURING THE GALVANIZING OPERATION SHALL BE STRAIGHTENED. BOLTS, ANCHOR BOLTS, NUTS, AND SIMILAR THREADED FASTENERS, AFTER BEING PROPERLY CLEANED, SHALL BE GALVANIZED IN ACCORDANCE WITH THE REQUIREMENTS OF ASTM A 153. FIELD REPAIRS TO DAMAGED GALVANIZING SHALL BE MADE BY PREPARING THE SURFACE AND APPLYING A COATING. SURFACE PREPARATION SHALL CONSIST OF REMOVING OIL, GREASE, SOIL, AND SOLUBLE MATERIAL BY CLEANING WITH WATER AND DETERGENT (SSPC SP1) FOLLOWED BY BRUSH OFF BLAST CLEANING (SSPC SP7), OVER AN AREA EXTENDING AT LEAST 4-INCHES INTO THE UNDAMAGED AREA. COATING SHALL BE APPLIED TO AT LEAST 3-MILS DRY FILM THICKNESS. USE ZINC-CLAD XI BY SHERWIN-WILLIAMS, GALVAX BY ALVIN PRODUCTS, OR GALVITE BY ZRC WORLDWIDE.

21) DRILLED ANCHORS AND REINFORCING BARS SHALL BE INSTALLED IN STRICT ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS. HOLES SHALL BE ROUGHENED WITH A BRUSH ON A POWER DRILL, CLEANED AND DRY. DRILLED ANCHORS SHALL NOT BE INSTALLED UNTIL THE CONCRETE HAS REACHED THE REQUIRED 28-DAY COMPRESSIVE STRENGTH. ADHESIVE ANCHORS SHALL NOT BE LOADED UNTIL THE ADHESIVE HAS REACHED ITS INDICATED STRENGTH IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS.

STRUCTURAL CONCRETE AND REINFORCEMENT

1) UNLESS NOTED OTHERWISE OR SPECIFIED OTHERWISE, CAST ALL STRUCTURAL CONCRETE IN PLACE. UNLESS NOTED OTHERWISE PROVIDE CONCRETE WHICH WHEN MOLDED AND CURED IN ACCORDANCE WITH DOTD TR 226 AND TESTED IN ACCORDANCE WITH DOTD TR 230, EXHIBITS A MINIMUM COMPRESSIVE STRENGTH NOT LESS THAN 4,000 PSI AT 28 DAYS.

2) PROVIDE GRADE 60 REINFORCING STEEL UNLESS NOTED OTHERWISE. BARS SMALLER THAN NO. 3 NEED NOT BE DEFORMED. SIZE W 5 WIRE MAY BE USED IN LIEU OF BARS SMALLER THAN NO 3. USE BILLET-STEEL DEFORMED AND PLAIN BARS COMPLYING WITH THE REQURIEMENTS OF ASTM 615 AND THAT ARE PRODUCED AT A MILL LISTED ON THE LDOTD AML (FORMERLY QPL 71). USE RAIL-STEEL AND AXLE-STEEL DEFORMED AND PLAIN BARS COMPLYING WITH ASTM A 996. USE COLD DRAWN STEEL COMPLYING WITH ASTM A 1064 WITH THE FOLLOWING AMENDMENT: FOR MATERIAL TESTING OVER 110,000 PSI TENSILE STRENGTH IN HIGH STRENGTH APPLICATIONS SUCH AS SPIRALS AND TIES, REDUCE THE 25 PERCENT MINIMUM REDUCTION IN AREA 5 PERCENT FOR EACH 10,000 PSI INCREMENT OF TENSILE STRENGTH EXCEEDING 110,000 PSI. USE WELDED STEEL WIRE FABRIC THAT CONFORMS TO ASTM A 1064. WHERE INDICATED, USE EPOXY COATED REINFORCING STEEL AND PATCHING MATERIALS COMPLYING WITH AASHTO M 284 AND LISTED ON THE LDOTD AML (FORMERLY QPL 51).

3) ADHERE TO THE FOLLOWING TOLERANCES IN PLACING REINFORCING:

   ± $\frac{3}{8}$" FOR MEMBERS WITH THICKNESS </= 8"

   ± $\frac{1}{2}$" FOR MEMBERS WITH THICKNESS > 8"

4) ADHERE TO THE FOLLOWING MINIMUM CONCRETE COVER IN PLACING REINFORCEING:

   FOR CONCRETE PLACED AGAINST EARTH - - - - - - - - - - - - - - - - - 3"

   FOR SURFACES IN CONTACT WITH WATER- - - - - - - - - - - - - - - - - 2$\frac{1}{2}$"

   FOR FORMED SURFACES IN CONTACT WITH EARTH- - - - - - - - - 2"

   FOR UNDERSIDE OF SLABS OVER WATER, BEAMS,

   AND COLUMNS NOT IN CONTACT WITH WATER OR EARTH - - - 2"

   FOR ALL OTHER SURFACES- 2"

5) WHERE WALLS AND SLABS ARE SHOWN WITH A SINGLE LAYER OF REINFORCEMENT, CENTER REINFORCEMENT IN THE WALL OR SLAB, UNLESS NOTED OTHERWISE.

6) ROUGHEN AND THOROUGHLY CLEAN ALL JOINT SURFACES.

7) HOLD DOWELS, PIPES, WATERSTOPS, AND OTHER EMBEDDED MATERIALS SECURELY IN POSITION WHILE CONCRETE IS BEING PLACED.

8) DO NOT PLACE REINFORCING BARS AND ACCESSORIES IN CONTACT WITH ANY PIPE, PIPE FLANGE, METAL CONDUIT, OR OTHER METAL PARTS EMBEDDED IN CONCRETE. PROVIDE A MINIMUM OF 2 INCHES CLEARANCE IN ALL CASES.

9) PLACE ALL ITEMS EMBEDDED IN CONCRETE ON CENTER AT LEAST 4 TIMES THEIR OUTSIDE DIMENSION. DO NOT ALLOW THE OUTSIDE DIMENSION TO EXCEED ONE THIRD OF THE MEMBER THICKNESS.

10) CONSTRUCT SLABS WITH SLOPING SURFACES WITH THE INDICATED SLAB THICKNESS MAINTAINED AS THE MINIMUM. SLAB BOTTOMS CAN EITHER SLOPE WITH THE TOP SURFACE OR BE LEVEL. PLACE REINFORCEMENT IN SLAB WITH SLOPING SURFACES AT THE REQUIRED CLEARANCE FROM THE SLAB SURFACE.

11) ASIDE FROM NORMAL ACCESSORIES USED TO HOLD REINFORCING BARS FIRMLY IN POSITION. ADD AT A MINIMUM THE FOLLOWING WHERE TWO CURTAINS OF REINFORCEMENT ARE REQUIRED:

A. IN SLABS, #4 RISER OR Z SHAPE SPACER BARS AT 36 INCHES O.C MAXIMUM EACH WAY TO SUPPORT TOP BARS.

B. IN WALLS, #3 U OR Z SHAPE SPACERS AT 72 INCHES O.C. MAXIMUM EACH WAY

12) SPLICE VERTICAL REINFORCEMENT FOR CONCRETE OR MASONRY WITH DOWEL BARS OF THE SAME SIZE AND SPACING FROM THE FOUNDATION USING A STANDARD SPLICE LENGTH. PROVIDE HORIZONTAL CORNER BARS, WITH FULL TENSION LAPS, MATCHING CONTINUOUS BAR SIZE AND SPACING.

13) PLACE SEALANT AT THE TOP OF ALL JOINTS RECEIVING EXPANSION JOINT FILLER. DO NOT ALLOW SEALANT DEPTH TO EXCEED JOINT FILLER THICKNESS.

14) PROVIDE ALL EXPOSED CONCRETE CORNERS WITH A ¾" CHAMFER.

15) CONFORM THE FABRICATIONS AND PLACING OF REINFORCING BARS TO THE MANUAL OF STANDARDS PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES, ACI 315, LATEST EDITION UNLESS OTHERWISE NOTED.

16) ENSURE THAT ALL LAP SPLICES ARE A MINIMUM OF 40 BARS DIAMETER UNLESS OTHERWISE NOTED. STAGGER SPLICES SUCH THAT NOT MORE THAN 50% ARE SPLICED WITHIN THE LAP LENGTH.

17) GIVE ALL SLABS A LIGHTLY BROOMED FINISH UNLESS OTHERWISE SPECIFIED.

18) PLACE CONCRETE PER THE REQUIREMENTS OF ACI 305 (HOT WEATHER CONCRETE PLACEMENT) AND ACI 306 (COLD WEATHER CONCRETE PLACEMENT.)

19) CURE AND TEST PER REQUIREMENTS OF ACI 318, LATEST EDITION UNLESS OTHERWISE SPECIFIED.

20) DO NOT USE CALCIUM CHLORIDE AND/OR CHLORIDE CONTAINING ADMIXTURES.

21) SUBMIT MIX DESIGN INCLUDING PROPORTIONS OF ALL COMPONENTS AND SOURCES OF ALL COMPONENTS FOR REVIEW PRIOR TO PLACEMENT OF CONCRETE.

GEOTECHNICAL

1) A GEOTECHNICAL EXPLORATION REPORT WAS PREPARED FOR THE PROJECT BY GULF SOUTH ENGINEERING AND TESTING, INC. AND IS DATED JULY 18, 2022. A COPY OF THE REPORT IS ATTACHED TO THE PROJECT SPECIFICATIONS AND IS HEREBY INCORPORATED INTO THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL FOLLOW ANY AND ALL REQUIREMENTS AND RECOMMENDATIONS SET FORTH IN SAID REPORT UNLESS SPECIFICALLY INSTRUCTED OTHERWISE BY THE ENGINEER.

SURVEY

1) A SURVEY OF THE PROJECT SITE WAS CONDUCTED BY BRYANT HAMMETT & ASSOCIATES, LLC. DATED FEBRUARY, 2022. A COPY OF SAID SURVEY IS ATTACHED AND HEREBY INCORPORATED INTO THESE CONTRACT DRAWINGS

WARNING

0 1/2 1

IF THIS BAR DOES NOT MEASURE 1" (BASED ON 22"x34" SHEET) THEN DRAWING IS NOT TO SCALE.

H. Davis Cole & Associates, LLC
CONSULTING ENGINEERS
NEW ORLEANS, LA

MARK	DESCRIPTION	DATE	BY	CHK'D
	REVISION RECORD			

DESIGNED BY: HDC
DRAWN BY: RM
CHECKED BY: HDC
DATE: Sep-22
DETAILED BY: RM
HDC PROJECT NO. 2021-14

NEW RIVER TILTING WEIR STRUCTURE
ASCENSION PARISH LOUISIANA

EAST ASCENSION CONSOLIDATION GRAVITY DRAINAGE DISTRICT 1
ASCENSION PARISH

GENERAL NOTES AND SPECIFICATIONS

SHEET ID
G3

SHEET SET
4 OF **30**

CONCRETE (PLAN AND SECTION)
GROUT OR SAND (PLAN OR SECTION)
BRICK (PLAN AND SECTION)
CMU (PLAN AND SECTION)
STEEL/ METAL/ FRP (SMALL SCALE SECTION)
STEEL/ GRATING/ FRP (SMALL SCALE SECTION)
CHECKERPLATE (SECTION)
GRATING (PLAN)
GRATING OR SOLID FRP GRATING (SECTION)
SAFETY GRATING (PLAN)
SAFETY GRATING (PLAN)
SAFETY GRATING (PLAN)
WOOD (ELEVATION OR PLAN)
LUMBER (NOMINAL)
LUMBER (TRIMMED)
GLULAM (SECTION)
GLULAM (ELEVATION)
PLYWOOD (SMALL SCALE)
STRUCTURE OR FACILITY
EXISTING STRUCTURE OR FACILITY
FUTURE STRUCTURE OR FACILITY
OPENING
SPAN ARROW
EARTH/ GRADE
GRAVEL/ LIMESTONE/ AGGREGATE BASE
CENTERLINE

CL — CENTERLINE
PL — PROPERTY LINE
R/W — RIGHT OF WAY
ESMT — EASEMENT
TEMP ESMT — TEMPORARY EASEMENT
G — UTILITY LINE (SEE DIRECTORY BELOW)
G — GAS LINE (SIZE NOTED WHERE LARGER THAN 3")
HP GAS — HIGH PRESSURE GAS
2" W — WATER LINE (SIZE INDICATED)
TEL — UNDERGROUND TELEPHONE
HVAC — HIGH VOLTAGE AC POWER LINE
24" SS — SANITARY SEWER (SIZE INDICATED)
OHW — OVERHEAD WIRES
24" SD — STORM DRAIN (SIZE INDICATED)
FOC — FIBER OPTIC CABLE
COMM — COMMUNICATION CABLE
FENCE (NEW)
FENCE (EXISTING)
WATER COURSE
TRAIL OF DIRT ROAD
125 — MAJOR CONTOUR LINE (NEW)
125 — MAJOR CONTOUR LINE (NEW)
125 — MAJOR CONTOUR LINE (NEW)

SUPPLY OR OUTSIDE AIR DUCT (FIRST DIMENSION, DUCT WIDTH)
EXHAUST OR RETURN AIR DUCT (FIRST DIMESION, DUCT WIDTH)
SIZE / CFM — CEILING SUPPLY DIFFUSER (SIZE IN INCHES)
SIZE / CFM — CEILING RETURN OR EXHAUST AIR GRILLE OR REGISTER (SIZE IN INCHES, WIDTH X HEIGHT)
SIZE / CFM — EXHAUST OR AIR GRILLE OR REGISTER (SIZE IN INCHES, WIDTH X HEIGHT)
SIZE / CFM — SUPPLY GRILLE OR REGISTER (SIZE IN INCHES, WIDTH X HEIGHT)
AIR TURNING VANES IN DUCT
DD — DEFLECTING DAMPER
FHC — FIRE HOSE CABINET
FE — FIRE EXTINGUISHER
UNIT HEATER
BALL VALVE
DIAPHRAGM VALVE
CHECK VALVE
PRESSURE RELEASE VALVE
BACK PRESSURE VALVE
M / P — MOTOR OPERATOR FOR VALVE (M = ELECTRIC / P = PNEUMATIC)
T — TEMPERATURE CONTROL VALVE
S — SOLENOID VALVE
MULTIPORT VALVE - 3WAYS
MULTIPORT VALVE - 4WAYS
FLOAT OPERATED VALVE
NEEDLE VALVE
PRESSURE RELIEF VALVE
ANGLE VALVE
HOSE BIBB (H/B)
INJECTOR OR EDUCTOR
AIR VACUUM AND AIR RELEASE ASSEMBLY
PIPE ANCHOR
POWER POLE
PIPELINE (CIVIL SHEETS) 24" Ø AND LARGER
PIPELINE (CIVIL SHEETS) 12" Ø TO 20" Ø
PIPELINE (CIVIL SHEETS) 10" Ø AND SMALLER
FLOW — FLOW DIRECTION
VEGETATION

ISOLATION VAULT & MAJOR BLOWOFF VAULT (IN PLAN)
T — CATHODIC TEST STATION (IN PROFILE)
T — CATHODIC TEST STATION (IN PROFILE)

TYPES:

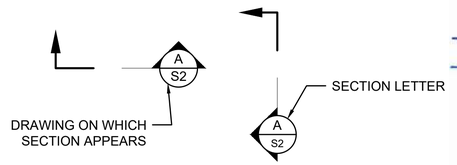
CTS	CORROSION TEST STATION
CATS	CASING TEST STATION
IJTS	INSULATING JOINT TEST STATION
FPTS	FOREIGN PIPELINE TEST STATION
CSTS	CURRENT SPAN TEST STATION

FH — FIRE HYDRANT
MANHOLE
PCOTG — PRESSURE CLEANOUT TO GRADE
CTOG / CTOG — CLEANOUT TO GRADE
REDUCER OR INCREASER (PROVIDED SIZE)
ETS — ELECTROLYSIS TEST STATION
WCO / WCO — WALL CLEANOUT
FCO / FCO — FLOOR CLEANOUT
HUB DRAIN
FLOOR DRAIN
FLOOR SINK
CHANGE IN PIPING MATERIAL
BACKWATER VALVE
BACKFLOW PREVENTER
STOP GATE
SLIDE GATE
SLUICE GATE
GATE VALVE, BURIED WITH VALVE BOX
BUTTERFLY VALVE, BURIED WITH VALVE BOX
ECCENTRIC PLUG VALVE, BURIED VALVE BOX
LUBRICATED PLUG VALVE, BURIED WITH VALVE BOX
GATE VALVE
BUTTERFLY VALVE OR DAMPER
ECCENTRIC PLUG VALVE
LUBRICATED PLUG VALVE
GLOBE VALVE
B — BUBBLE LEVEL CONTROL
CENTRIFUGAL OR TURBINE PUMP OR FAN
METERING PUMP

PROGRESSIVE CAVITY, POSITIVE DISPLACEMENT PUMP
PROGRESSIVE CAVITY, POSITIVE DISPLACEMENT PUMP
G — PRESSURE GAUGE
G — PRESSURE GAUGE WITH DIAPHRAGM SEAL
S — PRESSURE SWITCH
S — PRESSURE SWITCH WITH DIAPHRAGM SEAL
FLANGED FITTING
MECHANICAL - TYPE FITTING (GROOVED)
SCREWED, WELDED, SOCKET-WELD, BELL & SPIGOT OR HUBLESS FITTING
SLEEVE TYPE COUPLING
FLANGED ADAPTER - SET SCREW TYPE
MECHANICAL - TYPE COUPLING
FLEXIBLE COUPLING
UNION
QUICK DISCONNECT COUPLING
CAPPED END OR PLUGGED END
BLIND FLANGE
REDUCER OR INCREASER
STRAINER OR 45° WYE
DRAIN
FLOW TUBE
M M — MAGNETIC METER
D M — DENSITY METER
P M — PROPELLER METER
U M — ULTRASONIC METER
ORIFACE PLATE FLANGES
ROTAMETER
T — CONDENSATE TRAP
PIPE SUPPORT ON PLAN
PULSATION DAMPENER
EXPANSION CHAMBER WITH RUPTURE DISC
RUPTURE DISC
FG — FLOW SIGHT GLASS

SECTION IDENTIFICATION

1) SECTION CUT ON DRAWING "S1"



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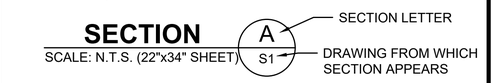
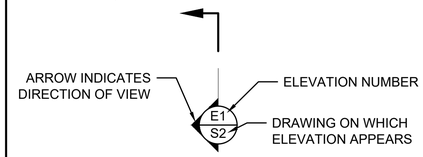


ELEVATION IDENTIFICATION

1) ELEVATION ON DRAWING "S1"



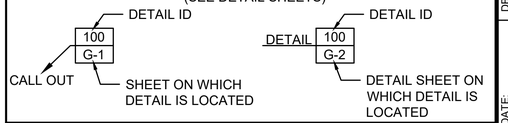
2) ELEVATION IDENTIFIED IN DRAWING "S2"

STANDARD DETAIL IDENTIFICATION

(SEE DETAIL SHEETS)

SPECIAL DETAIL IDENTIFICATION

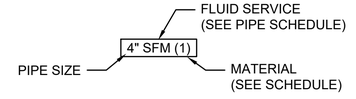
(SEE DETAIL SHEETS)



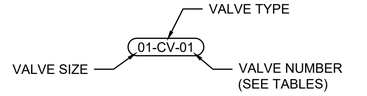
EQUIPMENT, PIPING & VALVE IDENTIFICATION

TYPICAL EQUIPMENT DESIGNATION

TYPICAL PIPE DESIGNATION



TYPICAL VALVE DESIGNATION



VALVE TYPES
CV - CHECK VALVE
PV - PLUG VALVE
GV - GATE VALVE
BV - BUTTERFLY VALVE
ARV - AIR RELEASE VALVE

EQUIPMENT/ VALVE AREAS
01- GENERAL

STATE OF LOUISIANA
HOWARD DAVIS COLE
License No. 31219
REGISTERED PROFESSIONAL ENGINEER
CIVIL ENGINEERING

WARNING
IF THIS BAR DOES NOT MEASURE 1" (BASED ON 22"x34" SHEET) THEN DRAWING IS NOT TO SCALE.
0 — 1/2 — 1"

H. Davis Cole & Associates, LLC
Consulting Engineers
NEW ORLEANS, LA

MARK	DESCRIPTION	DATE	BY	CHK'D

REVISION RECORD

DESIGNED BY:	DRAWN BY:	CHECKED BY:
HDC	RM	HDC

DATE:	DETAILED BY:	HDC PROJECT NO.
Sep-22	RM	2021-14

NEW RIVER TILTING WEIR STRUCTURE
ASCENSION PARISH
LOUISIANA

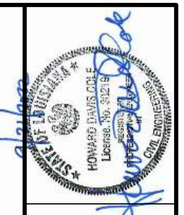
EAST ASCENSION CONSOLIDATION GRAVITY DRAINAGE DISTRICT 1
ASCENSION PARISH

DRAWING STANDARDS AND SYMBOLS

SHEET ID
G4

SHEET SET
5 OF **30**

A	AIR
A/C	AIR CONDITIONING
AASHO	AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS
AB	ANCHOR BOLTS
ABAN	ABANDON
ABAND	ABANDONED
ABBR	ABBREVIATION
ABS	ABSOLUTE TEMPERATURE
AC	ACTIVATED CARBON/ ASPHALTIC CONCRETE/ ALTERNATE CURRENT
ACI	AMERICAN CONCRETE INSTITUTION
ACOUS	ACOUSTIC/ ACOUSTICAL
ACP	ASBESTOS CEMENT PIPE/ ASPHALTIC CONCRETE PAVEMENT
ADD	ADDITION
ADH	ADHESIVE
ADJ	ADJUSTABLE
AER	AERATION
AFF	ABOVE FINISHED FLOOR
AFTS	AIR FLOW TEST STATION
AISC	AMERICAN INSTITUTION OF STEEL CONSTRUCTION
ALT	ALTERNATIVE
ALUM	ALUMINUM
AMB	AMBIENT
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE
API	AMERICAN PETROLEUM INSTITUTE
APPD	APPROVED
APPROX	APPROXIMATE
APPURTS	APPURTENANCES
ARCH	ARCHITECTURE
AREA	AMERICAN RAILWAY ENGINEERING ASSOCIATION
ASME	AMERICAN SOCIETY OF MECHANICAL ENGINEERS
ASPH	ASPHALT
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS
AT	ACOUSTICAL TILE
ATM	ATMOSPHERE
AV/RV	AIR VACUUM AND AIR RELEASE VACUUM
AVE	AVENUE
AWPA	AMERICAN WOOD PRESERVERS ASSOCIATION
AWS	AMERICAN WELDING SOCIETY
AWWA	AMERICAN WATER WORKS ASSOCIATION
B&S	BELL AND SPIGOT
B/W	BACK OF WALL/ BACK OF WALK
BC	BEGIN CURVE/ BOLT CIRCLE/ BETWEEN CENTERS
BCR	BEGIN CURB RETURN
BD	BOARD
BDRY	BOUNDARY
BF	BLIND FLANGE/ BOTTOM OF FOOTING
BFP	BACK FLOW PREVENTER
BHP	BRAKE HORSEPOWER
BLDG	BUILDING
BLK	BLACK/ BLOCK
BLKG	BLOCKING
BLVD	BOULEVARD
BM	BEAM/ BENCHMARK
BO	BLOW-OFF ASSEMBLY
BOD	BIOCHEMICAL OXYGEN DEMAND
BOP	BOTTOM OF PIPE
BOT	BOTTOM
BPV	BACK PRESSURE VALVE
BRK	BRICK/ BREAK
BSMT	BASEMENT
BT	BOLT
BTU	BRITISH THERMAL UNIT
BV	BUTTERFLY VALVE
BVC	BEGIN VERTICAL CURVE
BWV	BACK WATER VALVE
C	CENTIGRADE/ CHANNEL/ CEMENT
C&G	CURB AND GUTTER
CAB	CABINET/ CRUSHED AGGREGATE BASE
CAP	CAPACITY
CATS	CASING TEST STATION
CB	CATCH BASIN/ CHALK BOARD/ CURB
CC	CLOSED CIRCUIT TV/ CENTER TO CENTER
CD	CEILING DIFFUSER
CEM	CEMENT
CF	CURB FACE OR CUBIC FEET
CFH	CUBIC FEET PER HOUR
CFM	CUBIC FEET PER MINUTE
CFS	CUBIC FEET PER SECOND
CHEM	CHEMICAL
CHG	CHANGE
CHKD	CHECKED
CI	CAST IRON
CIP	CAST IRON PIPE/ CAST IN PLACE
CIPP	CAST IN PLACE PIPE
CJ	CONSTRUCTION JOINT
CL	CHLORINE GAS/ CHLORINATOR/ CENTERLINE
CLF	CHAIN LINK FENCE
CLG	CEILING
CLOS	CLOSET
CLR	CLEAR/ CLEARANCE
CM	CENTIMETER
CMB	CRUSHED MISCELLANEOUS BASE
CMC	CEMENT MORTAR-COATED
CML	CEMENT MORTAR-LINED
CML&C	CEMENT LINED AND COATED
CMP	CORRUGATED METAL PIPE
CMU	CONCRETE MASONRY UNIT
CO	CLEANOUT
COL	COLUMN
COMP	COMPRESSOR
CONC	CONCRETE/ CONCENTRIC
COND	CONDENSER/ CONDENSATE
CONN	CONNECTION
CONST	CONSTRUCT/ CONSTRUCTION
CONT	CONTINUED/ CONTINUOUS
CONTR	CONTRACTOR
COORD	COORDINATE
COR	CORNER
COTG	CLEANOUT TO GRADE
CPLG	COUPLING
CPVG	CHLORINATED POLYVINYL CHLORIDE
CS	CAUSTIC SODA/ CAST STEEL
CSP	CORRUGATED STEEL PIPE
CSTS	CURRENT SPAN TEST STATION
CT	CERAMIC TILE
CTR	CENTER
CTS	CORROSION TEST STATION
CTSK	COUNTERSUNK
CU	COPPER/ CUBIC
CULV	CULVERT
CV	CHECK VALVE
CY	CUBIC YARD
CYL	CYLINDER
d	PENNY
DAD	DOUBLE ACTING DOOR
DAFT	DISSOLVED AIR FLOATATION THICKENER
DB	DIRECT BURY
DBL	DOUBLE
DC	DIRECT CURRENT
DEG	DEGREE
DET	DUCTILE IRON
DF	DRINKING FOUNTAIN/ DOUGLAS FIR
DH	DOUBLE HUNG
DI	DUCTILE IRON
DIA	DIAMETER
DIAG	DIAGONAL
DIAPH	DIAPHRAGM
DIFF	DIFFUSER/ DIFFERENTIAL
DIP	DUCTILE IRON PIPE
DIR	DIRECTION
DISCH	DISCHARGE
DISP	DISPENSER
DL	DEAD LOAD
DMH	DROP MANHOLE
DN	DOWN
DO	DISSOLVED OXYGEN/ DITTO
DPW	DEPT. OF PUBLIC WORKS
DR	DOOR/ DRAIN
DS	DRENCH SHOWER AND EYE WASH
DT	DRAIN TILE
DWG	DRAWING
DWLS	DOWELS
DWY	DRIVEWAY
E	EAST
E/O	EAST OF
EA	EACH
EB	EXPANSION BOLT OR ANCHOR
EC	END CURVE
ECC	ECCENTRIC
ECR	END CURB RETURN
EF	EACH FACE/ EXHAUST FAN
EFF	EFFLUENT
EG	EXHAUST GRADE/ EDGE OF GUTTER/ EXHAUST GRILLE
EGL	ENERGY GRADE LINE
EL	ELEVATION
ELEC	ELECTRICAL/ ELECTRONIC
EN	EDGE NAILING
ENCL	ENCLOSURE
ENG	ENGINE
ENGR	ENGINEER
ENT	ENTRANCE
EP	EDGE OF PAVEMENT
EPT	ETHYLENE PROPYLENE
EQ	EQUAL
EQUIP	EQUIPMENT
ESMT	EASEMENT
ETB	EMULSION TREATED BASE
ETC	ET CETERA
EVAP	EVAPORATOR
EVC	END VERTICAL CURVE
EW	EACH WAY/ EYE WASH
EX	EXISTING
EXC	EXCAVATION
EXH	EXHAUST
EX-HY	EXTRA HEAVY
EXIST	EXISTING
EXP	EXPANSION
EXT	EXTERIOR/ EXTENSION
EXTR	EXTRUDE
F	FAHRENHEIT/ FINISH
F TO F	FACE TO FACE
F&C	FRAME AND COVER
F&I	FURNISH AND INSTALL
FA	FOUL AIR
FAB	FABRICATE/ FABRICATION
FAI	FRESH AIR INTAKE
FB	FLAT BAR/ FLOOR BEAM/ FIELD BOOK
FCO	FLOOR CLEANOUT
FD	FLOOR DRAIN
FDR	FEEDER
FE	FIRE EXTINGUISHER/ FINAL EFFLUENT
FEM	FEMALE (PIPE THREAD)
FF	FLAT FACE/ FAR FACE/ FINISHED FLOOR
FG	FINISHED GRADE
FH	FIRE HYDRANT/ FLAT HEAD
FIG	FIGURE
FIN	FINISHED
FIX	FIXTURE
FL	FLOWLINE/ FLOOR
FLEX	FLEXIBLE
FLG	FLANGED/ FLOORING
FLGD	FLANGED
FLOCC	FLOCCULATOR/ FLOCCULATION
FLR	FLOOR
FLSG	FLASHING
FM	FACTORY MUTUAL (LAB APPROVED)/ FORCE MAIN
FMH	FLEXIBLE METAL HOSE
FN	FIELD NAILING
FND	FOUNDATION
FOC	FACE TO CONCRETE/ FIBER OPTIC CABLE
FOM	FACE OF MASONRY
FOS	FACE OF STUD
FOW	FACE OF WALL
FPC	FLEXIBLE PIPE COUPLING
FPM	FEET PER MINUTE
FPS	FEET PER SECOND
FPTS	FOREIGN PIPE TEST STATION
FR	FRAME
FRP	FIBERGLASS REINFORCED PLASTIC
FS	FIBERGLASS SURFACE/ FARSIDE/ FLOOR SINK/ FORGED STEEL/ FROTH SPRAY
FT	FEET/ FOOT
FTG	FOOTING
FUR	FURRING
FUT	FUTURE
FV	FIELD VERIFY
FWD	FORWARD
G	GAS
GA	GAGE/ GAUGE
GAL	GALLON
GALV	GALVANIZED
GANC	GUY ANCHOR
GB	GRADE BREAK
GEN	GENERAL/ GENERATOR
GFA	GROOVED FLANGE ADAPTER
GI	GALVANIZED IRON
GIP	GALVANIZED IRON PIPE
GL	GLASS/ GROUND LINE/ GRADE LINE
GLB	GLUE LAMINATED BEAM
GLV	GLOBE VALVE
GM	GAS METER
GP	GUY POLE
GPD	GALLONS PER DAY
GPH	GALLONS PER HOUR
GPM	GALLONS HER MINUTE
GR	GRADE
GRD	GRADE/ GROUND
GRTG	GRATING
GSP	GALVANIZED STEEL PIPE
GV	GATE VALVE
GYP	GYPSUM
H	HIGH/ HEIGHT
H&V	HEATING AND VENTILATING
H/B	HOSE BIBB
HC	HOUSE CONNECTION
HDR	HEADER
HDW	HARDWARE
HDWL	HEADWALL
HEX	HEXAGONAL
Hg	MERCURY
HGL	HYDRAULIC GRADE LINE
HGR	HANGER
HM	HOLLOW METAL
HORZ	HORIZONTAL
HP	HIGH POINT/ HORSE POWER/ HIGH PRESSURE
HPG	HIGH PRESSURE GAS
HR	HEAT RETURN/ HOUR
HTG	HEATING
HTR	HEATER
HV	HORIZONTAL AND VERTICAL CONTROL POINT
HVAC	HEATING, VENTILATION AND AIR CONDITION/ HIGH VOLTAGE AC POWER LINE
HW	HOT WATER/ HEADWORK
HWD	HARDWOOD
HWL	HIGH WATER LEVEL
HWO	HAND WHEEL OPERATED
HYD	HYDRAULIC/ HYDRANT
I&O	INSIDE AND OUTSIDE
ID	INSIDE DIAMETER
IF	INSIDE FACE
IJTS	INSULATING JOINT TEST STATION
IN	INCH
INCL	INCLUDE/ INCLUDING
INFL	INFLUENT
INSL	INSULATION
INSP	INSPECTION
INST	INSTRUMENT
INT	INT
IP	IRON PIE
IPS	IRON PIPE SIZE
IRRG	IRRIGATION
JAN	JANITOR
JT	JOINT
K	KELVIN/ KILO/ KARAT
KG	KILOGRAM
KM	KILOMETER
KV	KILOVOLT
KW	KILOWATT
KWH	KILOWATT HOUR
L	LITER/ LENGTH/ ANGLE
LAB	LABORATORY
LAM	LAMINATED
LAT	LATERAL
LAV	LAVATORY
LB	POUND
LCP	LOCAL CONTROL PANEL
LD	LOCAL DEPRESSION
LDG	LANDING
LDOTD	LOUISIANA DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT
LF	LINEAR FEET
LG	LENGTH/ LONG
LH	LAMP HOLE/ LEFT HAND
LL	LIVE LOAD
LLH	LONG LEG HORIZONTAL
LLV	LONG LEG VERTICAL
LOC	LOCATION
LOL	LAYOUT LINE
LONG	LONGITUDINAL
LP	LOW POINT/ LOW PRESSURE/ LAMP POST
LSSRB	LOUISIANA STANDARD SPECIFICATION FOR ROADS AND BRIDGES
LT	LEFT/ LIGHT
LTS	LIME TREATED SOIL
LW	LOW WATER
LWL	LOW WATER LEVEL
LWR	LOWER
M	METER/ MALE (PIPE THREAD)
MACH	MACHINE
MAG	MAGNETIC
MAINT	MAINTENANCE
MAN	MANUAL
MAS	MASONRY
MATL	MATERIAL
MAX	MAXIMUM
MB	MAIL BOX/ MACHINE BOLT
MCC	MOTOR CONTROL CENTER
MCR	MIDDLE OF CURB RETURN
MEAS	MEASURE
MECH	MECHANICAL
MED	MEDIUM
MEMB	MEMBER
MFRD	MANUFACTURED
MGD	MILLION GALLONS PER DAY
MH	MANHOLE
MHT	MEAN HIGH TIDE
MHW	MEAN HIGH WATER
MI	MALLEABLE IRON/ MILE
MICRON	1/ 1,000,000TH METER
MIL	MILITARY/ 1/1,000TH INCH
MIN	MINIMUM/ MINUTE
MIR	MIRROR
MISC	MISCELLANEOUS
MK	MARK
MLW	MEAN LOW WATER
mm	MILLIMETER
MO	MOTOR OPERATED/ MASONRY OPENING
MOD	MODEL/ MODIFICATION
MON	MONUMENT/ MONITOR
MOR	MORTAR
MS	MOP SINK
MSL	MEAN SEA LEVEL
MTC	MECHANICAL-TYPE COUPLING
MTD	MOUNTED
MTG	MOUNTING
MTL	METAL
MTR	MOTOR
N	NORTH
NaOCl	SODIUM HYPOCHLORITE
NaOH	SODIUM HYDROXIDE (CAUSTIC SODA)
NBS	NATION BUREAU OF STANDARDS
NC	NORMALLY CLOSED
NEC	NATIONAL ELECTRIC CODE
NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
NF	NEAR FACE
NFPA	NATION FIRE PROTECTION ASSOCIATION
NG	NATION GRADE/ NATURAL GAS
NIC	NOT IN CONTRACT
NO	NORMALLY OPEN
NOM	NOMINAL
NPS	NOMINAL PIPE SIZE
NPT	NATIONAL PIPE THREAD
NRCP	NON-REINFORCED CONCRETE PIPE
NRS	NON-RAISING STEM
NS	NEAR SIDE
NTS	NOT TO SCALE
OBJ	OBJECT
OC	ON CENTER/ OVER-CROSSING
OD	OUTSIDE DIAMETER/ OVERALL DIMENSION
OE	OUTER EDGE
OF	OVERFLOW/ OUTSIDE FACE
OFD	OVERFLOW DRAIN
OFF	OFFICE
OH	OVERHEAD
OPER	OPERATOR/ OPERATING
OPNG	OPENING
OPP	OPPOSITE
ORIG	ORIGINAL
OS&Y	OUTSIDE SCREW & YORK
OSA	OUTSIDE AIR
OSHA	OCCUPATIONAL SAFETY & HEALTH ADMINISTRATION
OWG	OIL, WATER, GAS
OZ	OUNCE
P	POLE/ PAGE/ PIPE
P/S	POLE AND SHELF
PA	PLANTING AREA
PART	PARTITION
PAVMT	PAVEMENT
PB	POLYBUTYLENE/ PULL BOX
PC	POINT OF CURVATURE/ PRIMARY CLARIFIER/ PORTLAND CEMENT
PCC	PORTLAND CEMENT CONCRETE/ POINT OF COMPOUND CURVE
PCCP	PRE-STRESSED CONCRETE CYLINDER PIPE
PCOTG	PRESSURE CLEANOUT TO GRADE
PCVC	POINT OF COMPOUND VERTICAL CURVE
PE	POLYETHYLENE/ PLANT EFFLUENT/ POLYELECTROLYTE POLYMER
PG	PRESSURE GAUGE
pH	HYDROGEN ION CONCENTRATION
PI	PLANT INFLUENT/ POINT OF INTERSECTION
PK	PARKING
PL	PLATE/ PROPERTY LINE/ PLACE
PLAS	PLASTER/ PLASTIC
PLT	PLANT
PLWD	PLYWOOD
PM	PRESSED METAL
PNEU	PNEUMATIC
PNL	PANEL
POB	POINT OF BEGINNING
POC	POINT OF CONNECTION
POT	POINT OF TANGENT
PP	POWER POLE/ POLYPROPYLENE
PPD	POUNDS PER DAY
PPH	POUNDS PER HOUR
PPM	POUNDS PER MINUTE
PR	PAIR
PRC	POINTS OF REVERSE CURVE
PRCT	PRECAST/ PERCENT
PREFAB	PREFABRICATED
PRESS	PRESSURE
PROF	PROFILE
PRV	PRESSURE REGULATING, RELIEF, OR REDUCING VALVE
PRVC	POINT OF REVERSE VERTICAL CURVE
PS	PRESSURE SWITCH
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PSIA	POUNDS PER SQUARE INCH ABSOLUTE
PSIG	POUNDS PER SQUARE INCH GAUGE
PT	POINT OF TANGENCY/ PAINT/ PRESSURE TREATED
PTFE	POLYTETRAFLUOROETHYLENE (TEFLON)
PV	PLUG VALVE
PVC	POLYVINYL CHLORIDE/ POLYVINYL CONDUIT (PIPE)
PVDF	POLYVINYLIDENE FLUORIDE (KYNAR)
QT	QUARRY TILE
QTY	QUANTITY
QUAD	QUADRANGLE/ QUADRANT
R	RADIUS/ RISER/ RATE OF SLOPE
R&O	ROCK AND OIL
R/W	RIGHT OF WAY
RAC	RECYCLED ASPHALT CONCRETE
RAG	RETURN AIR GRILLE
RAP	RECLAIMED ASPHALT PAVEMENT
RAS	RETURN ACTIVATED SLUDGE
RC	REINFORCED CONCRETE
RCP	REINFORCED CONCRETE PIPE
RD	ROAD/ ROOF DRAIN/ ROUND
RED	REDUCER/ REDUCING
REF	REFERENCE/ REFER/ REFRIGERATOR
REG	REGULATING
REINF	REINFORCE/ REINFORCED
REQD	REQUIRED
RESIL	RESILIENT
RET	RETAINING/ RETURN
REV	REVISION
RF	ROOF/ RAISED FOUNDATION/ ROUGH FACE
RFG	ROOFING
FGE	REGISTERED GEOTECHNICAL ENGINEER
RH	REDHEAD/ RIGHT HAND
RM	ROOM
RO	ROUGH OPENING
RPM	REVOLUTIONS PER MINUTE
RR	RAILROAD
RS	RAISING STEAM
RSL	RAW SLUDGE
RT	RIGHT
RTP	REINFORCED THERMOSETTING PLASTIC
RW	REDWOOD
RWL	RAINWATER LEADER
S	SOUTH/ SCUM/ SINK/ SECOND/ SLOPE/ SAND
S/O	SOUTH OF
SA	SAMPLE
SAN	SANITARY
SBR	STYRENE BUTADIENE (RUBBER)
SC	SPACE CHEMICAL/ SECONDARY CLARIFIER
SCCP	STEEL CYLINDER CONCRETE PIPE
SCD	SCREWED
SCFM	STANDARD CUBIC FEET PER MINUTE
SCH	SCHEDULE
SD	STORM DRAIN
SDR	STANDARD THERMOPLASTIC PIPE DIMENSION RATIO
SEC	SECONDARY/ SECTION
SER	SERIES
SETT	SETTING
SF	SQUARE FOOT
SH	SHOWER
SHELV	SHELVING
SHT	SHEET
SHTG	SHEATHING/ SHEETING
SIM	SIMILAR
SL	SLUDGE
SLDG	SLIDING
SLG	SLUICE GATE
SOG	SLAB ON GRADE
SOLN	SOLUTION
SP	STATIC PRESSURE
SPEC	SPECIFICATION
SPK	SPIKE
SQ	SQUARE
SST	STAINLESS STEEL
SSB	SELECT SUB-BASE
SSPWC	STANDARD SPECIFICATION FOR PUBLIC WORKS CONSTRUCTION
SSU	SECONDS SAYBOLT UNIVERSAL
ST	STREET/ STATE
STA	STATION
STC	SLEEVE-TYPE COUPLING
STD	STANDARD
STK	STAKE
STL	STEEL
STM	STEAM
STR	STRAIGHT/ STRUCTURAL
SUCT	SUCTION
SV	SOLENOID VALVE
SW	SIDEWALK
SWD	SIDEWALK DRAIN
SWGR	SWITCHGEAR
SWR	SIDEWALL REGISTER
SY	SQUARE YARD
SYM	SYMMETRICAL/ SYMBOL
SYS	SYSTEM
T	THERMOSTAT/ TREAD OF STAIR/ TANGENT/ TC
T&B	TOP AND BOTTOM
T&G	TONGUE AND GROOVE
TAN	TANGENT
TB	TACK BOARD
TBE	THREAD BOTH ENDS
TBM	TEMPORARY BENCH MARK
TC	TOP OF CURB
TCV	TEMPERATURE CONTROL VALVE
TEL	TELEPHONE
TEMP	TEMPERATURE/ TEMPORARY
TF	TOP OF FOOTING
TH	TEST HOLE
THK	THICK/ THICKNESS
THR	THRESHOLD
THR'D	THREADED
TK	TANK/TACK
TL	TRAVERSE LINE
TOC	TOP OF CONCRETE
TOE	THREAD ONE END
TOL	TOILET
TOM	TOP OF MASONRY
TOP	TOP OF PIPE
TOPO	TOPOGRAPHIC
TOS	TOP OF STEEL
TOW	TOP OF WALL
TP	TELEPHONE POLE
TR	TRACT
TRANS	TRANSMITTER/ TRANSITION/ TRANSMISSION
TS	TRAFFIC SIGNAL
TSB	TOP SET BASE
TSC	TRAFFIC SIGNAL CONDUIT
TV	THERMOSTATIC VALVE/ TELEVISION
TW	THERMOMETER WELL/ TRAVELED WAY
TYP	TYPICAL
UB	UNION BONNET
UBC	UNIFORM BUILDING CODE
UC	UNDER-CROSSING
UG	UNDERGROUND
UGC	UNDERGROUND CONDUIT
UH	UNIT HEATER
UL	UNDERWRITER'S LABORATORIES
UNO	UNLESS NOTED OTHERWISE
UOI	UNLESS OTHERWISE INDICATED
UR	URINAL
USA	UNDERGROUND SERVICE ALERT
UDGS	UNITED STATES GEOLOGICAL SURVEY
V	VALVE/ VERTICAL/ VENT/ VOLT/ VOLUME
VAC	VACUUM
VAR	VARIES/ VARIABLE
VB	VALVE BOX
VC	VERTICAL CURVE
VCP	VITRIFIED CLAY PIPE
VERT	VERTICAL
VOL	VOLUME
VPI	VERTICAL POINT OF INSERTION
VTC	VENT TO CEILING
VTR	VENT THROUGH ROOF
VWC	VINYL WALL COVERING
VWM	VERIFY WITH MANUFACTURER
W	WEST/ WASTE/ WIDTH/ WIDE FLANGE
W/	WITH
W/0	WEST OF/ WITHOUT
WC	WATER COLUMN/ WATER CLOSET
WCO	WALL CLEANOUT
WD	WOOD
WDW	WINDOW
WH	WATER HEATER/ WALL HEATER
WI	WROUGHT IRON
WM	WATER METER
WOG	WATER, OIL OR GAS
WP	WATERPROOFING/ WORKING PRESSURE/ WEAK POINT
WPJ	WEAKEN PLANE JOINT
WS	WATER SURFACE
WSTP	WATER STOP
WT	WEIGHT
WWF	WELDED WIRE FABRIC
WWP	WATER WORKING PRESSURE
WWTP	WASTE WATER TREATMENT PLANT
XCONN	CROSS CONNECTION
XS	EXTRA STRONG
XSEC	CROSS SECTION
XSS	DOUBLE EXTRA STRONG
YD	YARD
YR	YEAR
Z	ZERO/ ZONE
ZN	ZINC
#	POUND
&	AND
@	AT



WARNING

0 1/2 1

IF THIS BAR DOES NOT MEASURE 1" (BASED ON 22"x34" SHEET) THEN DRAWING IS NOT TO SCALE.

H. Davis Cole & Associates, LLC
Consulting Engineers
NEW ORLEANS, LA

MARK	DESCRIPTION	DATE	BY	CHK'D
	REVISION RECORD			

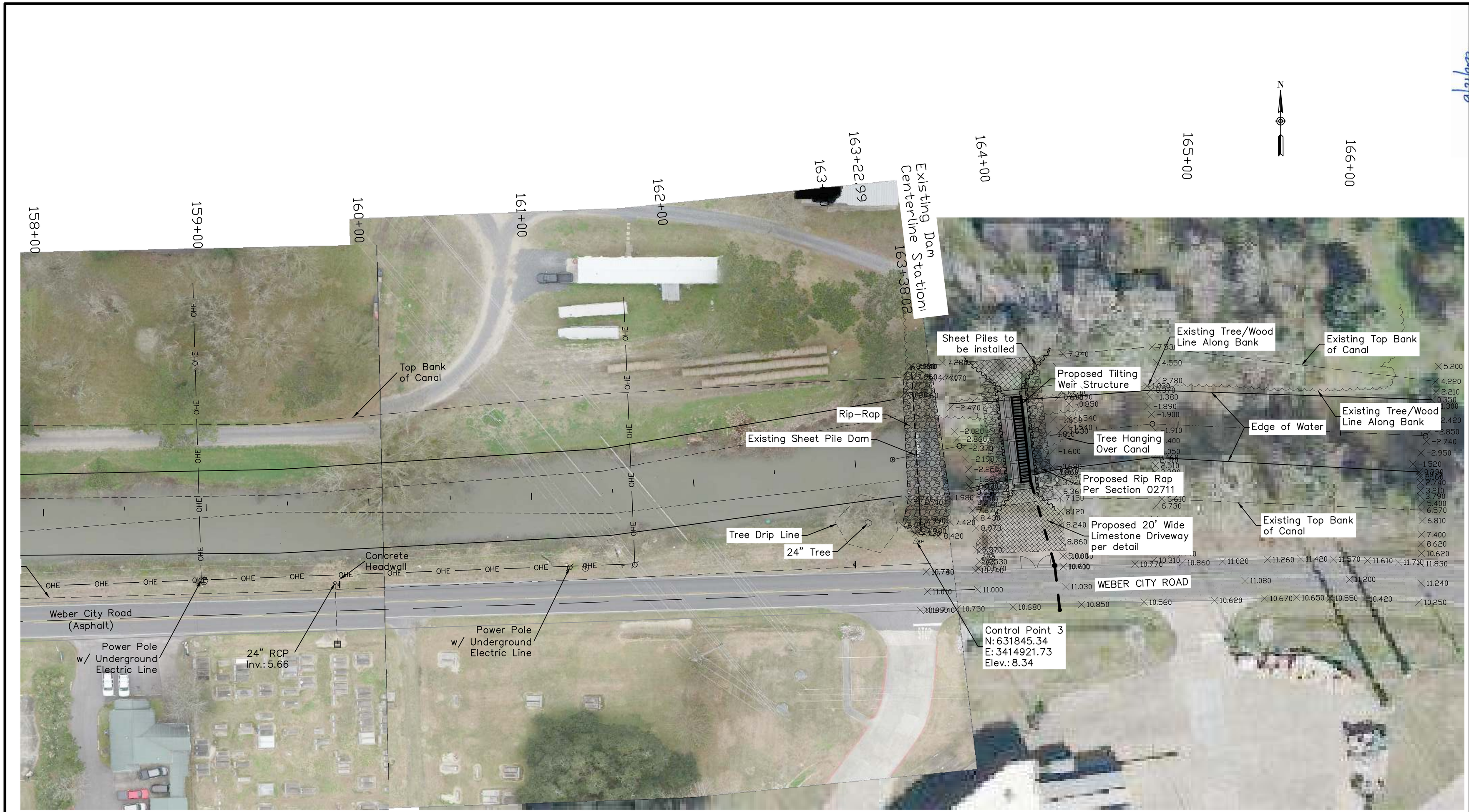
DESIGNED BY: HDC
DRAWN BY: RM
CHECKED BY: HDC
DATE: Sep-22
DETAILED BY: RM
HDC PROJECT NO. 2021-14

NEW RIVER TILTING WEIR STRUCTURE
ASCENSION PARISH LOUISIANA
EAST ASCENSION CONSOLIDATION GRAVITY DRAINAGE DISTRICT 1
ASCENSION PARISH

ABBREVIATIONS

SHEET ID
G5

SHEET SET
6 OF 30



PROJECT OVERVIEW / PROPOSED SITE PLAN

SCALE: 1" = 30'-0" (22"x34" SHEET)

STATE OF LOUISIANA
HOWARD DAVIS COLE
License No. 31219
CIVIL ENGINEER

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0 1/2 1

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PROJECT OVERVIEW / PROPOSED SITE PLAN

SHEET ID
G6

SHEET SET
7 OF 30