

Safety is a Part of Your Contract

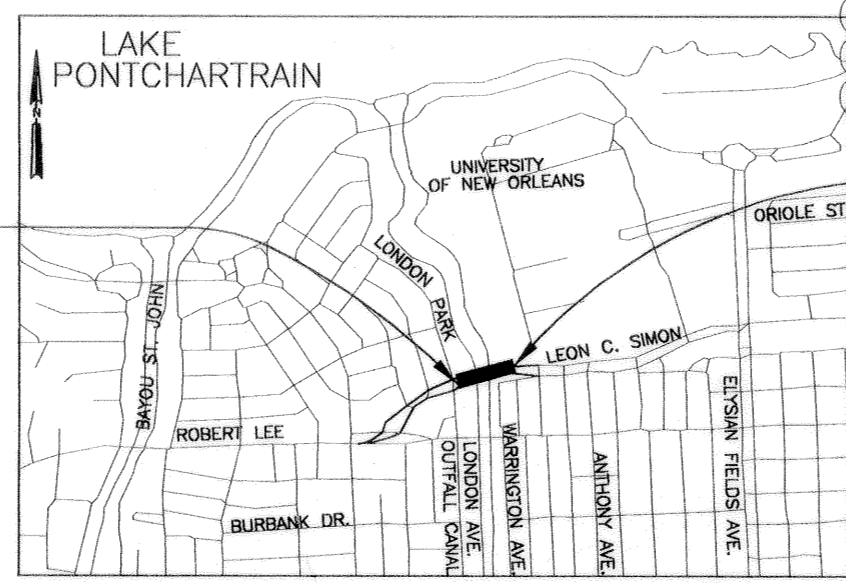
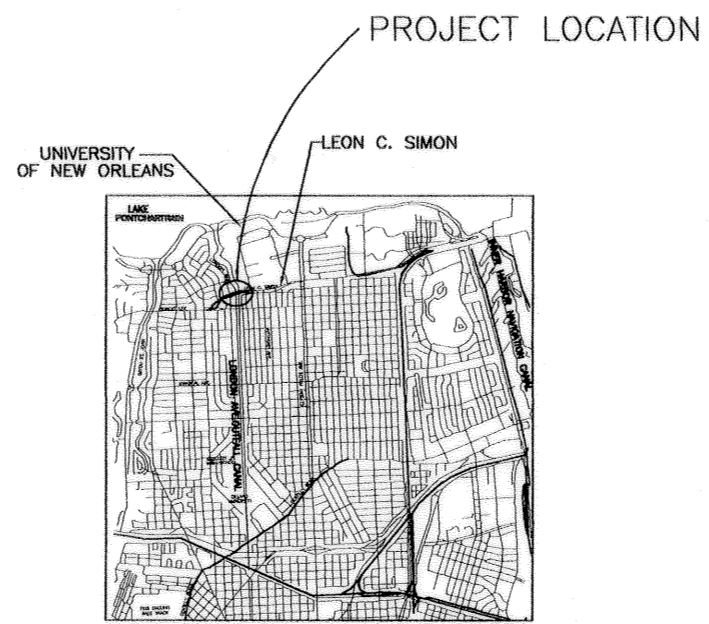
AS BUILT

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
NEW ORLEANS, LOUISIANA
FLOODPROOFING LONDON AVENUE OUTFALL CANAL
LEON C. SIMON BLVD. BRIDGE

DESIGN SPEED
35 MPH.

INDEX table with columns: DWG. No., DESCRIPTION, DWG. No., DESCRIPTION. Lists various drawing details from title sheets to floodwall gate details.

REFERENCE BENCH MARK table with columns: DESIGNATION, DESCRIPTION, ELEVATION. Lists benchmarks P 153 and AA 190.



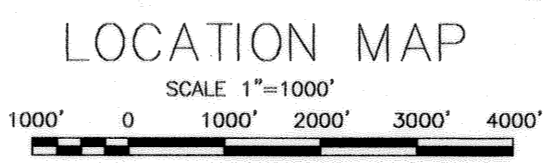
NOTE: THE CONTRACTOR IS ADVISED THAT THE TIME ALLOWED FOR THE COMPLETION OF WORK IS THE SHORTEST REASONABLE CONTRACT DURATION ALLOWED TO COMPLETE THE WORK. THE CONTRACTOR SHALL TAKE ALL ACTIONS NECESSARY (I.E., MULTIPLE SHIFTS, CONCURRENT OPERATIONS, OVERTIME, ETC.) IN ORDER TO ACCOMPLISH THE WORK WITHIN THE SPECIFIED TIME FRAME. FAILURE TO MEET THE SCHEDULE WILL RESULT IN THE GOVERNMENT ASSESSING LIQUIDATED DAMAGES ACCORDINGLY.

THIS PROJECT WAS DESIGNED BY THE FIRM OF LINFIELD, HUNTER & JUNIUS, INC. FOR THE NEW ORLEANS DISTRICT OF THE U.S. ARMY CORPS OF ENGINEERS. THE INITIALS OR SIGNATURES AND REGISTRATION DESIGNATIONS OF INDIVIDUALS APPEARING ON THESE PROJECT DOCUMENTS ARE WITHIN THE SCOPE OF THEIR EMPLOYMENT AS REQUIRED BY ER 1110-1-8152.

BEGIN PROJECT
STA 100+50.62 (NORTH BASELINE)
STA 100+39.76 (SOUTH BASELINE)

END PROJECT
STA 109+80.00 (NORTH BASELINE)
STA 109+75.00 (SOUTH BASELINE)

NOTE:
DRAWINGS IN THIS FOLIO
HAVE BEEN REDUCED ONE
HALF THE ORIGINAL SCALE



REVISIONS table, U.S. ARMY ENGINEER DISTRICT, NEW ORLEANS DISTRICT, LINFIELD, HUNTER & JUNIUS, INC. CONSULTING ENGINEERS AND ARCHITECTS, LONDON AVE. OUTFALL CANAL, PARALLEL PROTECTION FLOODPROOFING OF LEON C. SIMON BLVD. BRIDGE, ORLEANS PARISH, LOUISIANA, TITLE SHEET, DESIGNED BY: PWB, DRAWN BY: RKP, CHECKED BY: AFG, DATE: FEB. 1998, APPROVED BY: COLONEL, C. E. DISTRICT ENGINEER, DWG. 1 OF 68.

GENERAL NOTES

- 1. ALL ELEVATIONS SHOWN ON THE PLANS ARE IN N.G.V.D.
2. PROJECT TEMPORARY BENCH MARKS (TBM'S) ARE SHOWN ON PLAN AND PROFILE SHEETS. CONTRACTOR SHALL BE RESPONSIBLE TO VERIFY THE TBM'S WITH THE REFERENCE BENCH MARK INDICATED ON THE TITLE SHEET.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LAYING OUT THE WORK AND VERIFYING ALL MEASUREMENTS AND GRADES PRIOR TO BEGINNING CONSTRUCTION. PROJECT VERTICAL AND HORIZONTAL CONTROLS ARE INDICATED ON THE PLANS. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO ESTABLISH THE PROJECT BASELINES AND ANY ADDITIONAL TBM'S NEEDED FOR CONSTRUCTION, USING THE SURVEY BASELINE AND TBM'S INDICATED ON THE DRAWINGS. ALL CONTROL POINTS REQUIRED FOR CONSTRUCTION SHALL BE ESTABLISHED PRIOR TO DESTROYING EXISTING MONUMENTS/NAIS/CROSS CUTS, ETC.
4. PROPERTY LINES INDICATED ON THE PLANS ARE THE ACTUAL PROPERTY LINES AS ESTABLISHED BY THE TITLE RESEARCHER AND THE SURVEYOR. THE LINES AND GRADES SHOWN ON THE PLANS MAY NOT BE VARIED UNLESS VARIATIONS ARE SUBMITTED TO AND APPROVED BY THE CONTRACTING OFFICER.
5. ALL EQUIPMENT OR MATERIALS HAULED TO OR FROM THE CONSTRUCTION SITE SHALL BE TRANSPORTED ALONG A ROUTE APPROVED OR DESIGNATED BY THE DEPARTMENT OF PUBLIC WORKS ENGINEER, PRIOR TO THE START OF CONSTRUCTION.
7. LOCATION OF ALL EXISTING UTILITIES INDICATED ON THE PLAN SHEETS ARE SHOWN FOR INFORMATIONAL PURPOSES ONLY AND ARE BASED, IN PART, ON INFORMATION FURNISHED BY THE RESPECTIVE UTILITY COMPANIES. THE CONTRACTING OFFICER IS NOT RESPONSIBLE FOR ACCURACY OF THE LOCATION OF THESE UTILITIES SHOWN ON THE PLANS. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY LOCATION AND DEPTH OF ALL EXISTING UTILITIES BEFORE STARTING CONSTRUCTION.
8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DAMAGE TO EXISTING UTILITIES WHICH OCCURS BY HIS FAULT DURING CONSTRUCTION AND SHALL IMMEDIATELY REPORT ANY DAMAGE TO THE UTILITY ENTITIES. ALL REPAIRS OF THE DAMAGED UTILITIES SHALL BE DONE BY THE RESPECTIVE UTILITY ENTITY. ALL REPAIR COSTS SHALL BE BORNE BY THE CONTRACTOR.
9. ALL PRIVATELY OWNED UTILITY MANHOLES WILL BE ADJUSTED BY THE UTILITY COMPANIES, EXCEPT S&WB MANHOLES, WHICH SHALL BE ADJUSTED BY THE CONTRACTOR. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO CONTACT THE UTILITY COMPANIES AND REQUEST THEM TO MAKE NECESSARY ADJUSTMENTS, ALLOWING SUFFICIENT TIME FOR PERFORMING THE WORK. THE CONTRACTOR WILL SUPPLY THE UTILITY COMPANY WITH ANY INFORMATION NEEDED TO MAKE THE NECESSARY ADJUSTMENTS. CONTRACTOR SHALL NOTIFY UTILITIES BY CERTIFIED MAIL 45 DAYS, 15 DAYS AND BY TELEPHONE 72 HOURS PRIOR TO REQUIRING THE ADJUSTMENTS.
10. IF AN EXISTING POWER POLE IS IN CONFLICT WITH THE NEW ROADWAY CONSTRUCTION, THE POWER POLE SHALL BE RELOCATED BY THE OWNER, AFTER THE CURB LINE HAS BEEN STAKED OUT IN THE FIELD FOR CONSTRUCTION. CONTRACTOR SHALL NOTIFY UTILITY OWNER TO RELOCATE POWER POLE.
11. THE CONTRACTOR SHALL COMPACT AND SHAPE THE TOP 9" OF THE SUBGRADE PRIOR TO PLACING THE GEOTEXTILE FABRIC.
12. ALL EXISTING LIGHT STANDARDS SHALL REMAIN UNLESS OTHERWISE NOTED ON THE PLANS.
13. ALL CONCRETE DRIVEWAYS SHALL BE CONSTRUCTED AS PER DETAILS SHOWN ON THE PLANS. CURB AT DRIVEWAYS SHALL BE DEPRESSED UNLESS OTHERWISE DIRECTED BY THE C.O.
14. THE EXACT LIMITS OF REMOVAL AND REPLACEMENT OF DRIVEWAYS (CONCRETE, ASPHALT, BRICK, STONE, SLATE, ETC.) SHALL BE AS SHOWN ON THE PLANS OR DETERMINED BY THE C.O. THE CONTRACTOR SHALL NOT REMOVE ANY DRIVEWAY WITHOUT PRIOR APPROVAL OF THE C.O. DRIVEWAYS SHALL BE BUILT WITH THE SAME TYPE AND THICKNESS OF MATERIAL REMOVED.
15. ALL SIDEWALKS AND DRIVEWAYS (CONCRETE, BRICK, STONE, SLATE, ETC.) DAMAGED BY THE CONTRACTOR DURING CONSTRUCTION, WHICH IN THE OPINION OF THE C.O. ARE OUTSIDE THE LIMITS OF THE ROADWAY CONSTRUCTION, SHALL BE REPLACED BY THE CONTRACTOR AT HIS OWN EXPENSE.
16. THE CONTRACTOR IS REQUIRED TO SAWCUT FULL DEPTH SIDEWALKS, DRIVEWAYS, CONCRETE AND ASPHALT PAVEMENT OR OTHER CONSTRUCTION AREAS TO INSURE A STRAIGHT LINE BETWEEN OLD AND NEW WORK.
17. ALL SALVAGEABLE ROADWAY MATERIALS SHALL BE DELIVERED TO THE APPROPRIATE LOCATIONS INDICATED BELOW.
A. STONE CURB, COBBLESTONE, ETC. TO THE DPW ROCK PLANT ON FLORIDA AVENUE, NEAR ELYSIAN FIELDS. CONTACT: MR. JAMES WEBB - 483-2080
B. STREET SIGNS, TRAFFIC CONTROL DEVICES (SIGNS AND SIGNALS) TO THE DPW SIGN SHOP AT 2832 LAFITTE STREET. CONTACT: MR. ELMER DARWIN - 565-6840
18. NOISE CONTROL - CONTRACTOR SHALL TAKE REASONABLE MEASURES TO AVOID UNNECESSARY NOISE APPROPRIATE FOR THE AMBIENT SOUND LEVELS IN THE AREA DURING WORKING HOURS. ALL CONSTRUCTION MACHINERY & VEHICLES SHALL BE EQUIPPED WITH PRACTICAL SOUND MUFFLING DEVICES, AND OPERATED IN A MANNER TO CAUSE THE LEAST NOISE, CONSISTENT WITH EFFICIENT PERFORMANCE OF THE WORK.
19. DUST CONTROL - CONTRACTOR SHALL TAKE REASONABLE MEASURES TO PREVENT UNNECESSARY DUST. SURFACES SUBJECT TO CREATING DUST SHALL BE KEPT MOIST WITH WATER OR BY APPLICATION OF CHEMICAL DUST SUPPRESSANT. DUSTY MATERIALS IN PILES OR IN TRANSIT SHALL BE COVERED TO PREVENT BLOWING.
20. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DAMAGES TO THE EXISTING TRAFFIC SIGNS AND SIGNALS CAUSED BY HIS ACTIONS AND SHALL REPLACE THOSE DAMAGED AT HIS OWN EXPENSE.
21. THE CONTRACTOR SHALL NOT REMOVE ANY TRAFFIC SIGNS OR SIGNALS WITHOUT APPROVAL OF THE DEPARTMENT OF PUBLIC WORKS TRAFFIC ENGINEER. THE CONTRACTOR SHALL NOTIFY THE TRAFFIC ENGINEER IN WRITING, THREE (3) WORKING DAYS IN ADVANCE, DETAILING WHEN CONTROLS ARE TO BE REMOVED AND REINSTALLED. THE CONTRACTOR ACCEPTS ALL LIABILITIES DURING AND AFTER REMOVAL OF SIGNS AND SIGNALS. ALL SIGNS, SIGNALS, AND MARKINGS TEMPORARILY REMOVED WILL BE IN PLACE AT THE TIME OF FINAL INSPECTION.
22. WHERE THE ROOT SYSTEM OF A TREE CONFLICTS WITH A CURB SECTION, THE ONE (1) FOOT BASE EXTENSION SHALL BE ELIMINATED AND THE CURB SECTION WILL BE FORMED BY HAND. ROOTS ARE NOT TO BE CUT WITHOUT THE APPROVAL OF THE PARK & PARKWAY COMMISSION.

- 23. WHERE THE ROOT SYSTEM OF A TREE CONFLICTS WITH A SIDEWALK, THE SIDEWALK SECTION WILL BE MODIFIED, WHERE POSSIBLE, TO AVOID THE ROOTS. ROOTS ARE NOT TO BE CUT WITHOUT APPROVAL OF THE PARK AND PARKWAY COMMISSION.
24. BRANCHES OF LARGE TREES (DIA. LARGER THAN 8") SHALL NOT BE PRUNED UNLESS CONTRACTOR NOTIFIES THE PARK AND PARKWAYS COMMISSION FOR APPROVAL.
25. SMALL TREES (DIA. SMALLER THAN 8") MAY BE RELOCATED AT THE DISCRETION OF THE C.O. IN ACCORDANCE WITH PARK & PARKWAY COMMISSION.
26. ALL TREE REMOVALS, BRANCH PRUNING OR ROOT CUTTING SHALL BE PERFORMED BY A LICENSED ARBORIST, APPROVED BY THE PARK AND PARKWAY COMMISSION.
27. NO TREES SHALL BE REMOVED.
28. TREES OR SHRUBS DAMAGED BY THE CONTRACTOR DURING CONSTRUCTION OPERATIONS SHALL BE REPLACED WITH A TREE OR SHRUB OF EQUAL SIZE AND TYPE AT THE CONTRACTOR'S EXPENSE.
29. AN ARBORIST SHALL DETERMINE IF ADDITIONAL PROTECTIVE MEASURES SHALL BE TAKEN TO PROTECT TREES. ORANGE PROTECTIVE NETTING SHALL BE PLACED AROUND THE DRIP LINE OF TREES TO PROTECT THE ROOT SYSTEMS.
30. THE CONTRACTOR SHALL CONTACT THE FOLLOWING BY CERTIFIED MAIL 45 DAYS, 15 DAYS IN ADVANCE, AND BY TELEPHONE 72 HOURS PRIOR TO BEGINNING OF CONSTRUCTION
A. NOS&WB: 942-3893 - S&WB CHIEF OF NETWORKS
B. NOS&WB (ELECTRICAL): 865-0450 - MR. CLAYTON PERRET
C. DEPARTMENT OF PUBLIC WORKS, MAINTENANCE DIVISION: 488-3592 - MR. JIM WEBB
D. DEPARTMENT OF PUBLIC WORKS, TRAFFIC DIVISION: 586-4501 - MR. ELMER DARWIN
E. ENTERGY (GAS DEPT.): 595-3888 - MR. VAN MAHEU
ENTERGY (ELECTRIC DEPT.): 595-3828 - MR. HENRY KLIBERT
ENTERGY (ELECTRIC OVERHEAD): 595-3889 - MR. DAVID COOK
F. BELL SOUTH: 1-800-272-3020 - LOUISIANA ONE CALL
G. PARK & PARKWAY COMMISSION: 286-2123 - MR. BOB RICHARDS OR MS. JULIE BABIN
H. COX COMMUNICATIONS: 522-3838 - MS. MITZI MANZICA
I. NOS&WB, PUMP STATION NO. 3 & 4: 942-2960 - MR. BOB MOEINIEN
31. PORTIONS OF THE BRIDGE STRUCTURE MAY BE INUNDATED DURING CONSTRUCTION. THEREFORE, ABUTMENTS AND BENT CAPS SHALL BE FORMED AND POURED USING WATERTIGHT FORMS. THE CONTRACTOR SHALL REMOVE ALL STANDING WATER IN THE FORMS IMMEDIATELY BEFORE PLACING. ALL FORMS, ETC. SHALL BE SECURED SO THAT THEY WILL NOT BREAK FREE AND GET INTO THE CANAL IN THE EVENT OF HIGH WATER. THE CANAL SHALL BE KEPT FREE OF ALL DEBRIS, BOTH FLOATING AND/OR ON THE CANAL BOTTOM.

TRAFFIC NOTES

- 1. THE CONTRACTOR SHALL PREPARE A TRAFFIC CONTROL PLAN IN ACCORDANCE WITH APPLICABLE PROVISIONS OF SECTION 97--TRAFFIC ACCOMMODATIONS, OF "GENERAL SPECIFICATIONS FOR STREET PAVING AND TEMPORARY SURFACING" PUBLISHED BY THE CITY OF NEW ORLEANS AND PART VI - "TRAFFIC CONTROLS FOR STREET AND HIGHWAY CONSTRUCTION MAINTENANCE, UTILITY AND EMERGENCY OPERATIONS" OF THE "MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES" BY THE FEDERAL HIGHWAY ADMINISTRATION, AS ADOPTED BY LOUISIANA DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT. THE CONTRACTOR SHALL KEEP THE PORTION OF THE PROJECT BEING USED BY PUBLIC TRAFFIC, WHETHER THROUGH OR LOCAL TRAFFIC, IN SUCH CONDITION THAT TRAFFIC (INCLUDING MAIL DELIVERY) WILL BE ADEQUATELY ACCOMMODATED. THE CONTRACTOR IN ORDER TO SAFELY INFORM THE TRAVELING PUBLIC OF THE LOCATION OF THE WORK AT ALL TIMES, SHALL FURNISH, ERECT AND MAINTAIN BARRICADES, WARNING SIGNS, DELINEATORS, BARRELS AND OTHER CHANNELIZATION DEVICES, FLASHING LIGHTS, ROADWAY MARKINGS OR ANY OTHER DEVICES WHICH MAY BE REQUIRED, AND SHALL PROVIDE FLAGMEN IN ACCORDANCE WITH THE CURRENT EDITION OF THE "MANUAL OF UNIFORM TRAFFIC DEVICES FOR STREETS AND HIGHWAYS". WARNING LIGHTS SHALL BE PROVIDED AS REQUIRED BY THE REFERENCED MANUAL FOR PROTECTION OF VEHICULAR TRAFFIC AT NIGHT. THE CONTRACTOR SHALL PROVIDE AND MAINTAIN, IN A SAFE CONDITION, ALL REQUIRED TEMPORARY APPROACHES OR CROSSINGS, INTERSECTIONS WITH ROADS, STREETS, AND BUSINESS PARKING LOTS. THE CONTRACTOR SHALL NOTIFY AND SUBMIT THIS PLAN TO THE DEPARTMENT OF STREETS FOR NEW ORLEANS AND THE ORLEANS LEVEE BOARD BY CERTIFIED MAIL, AND PROVIDE COPIES TO THE CONTRACTING OFFICER, 45 DAYS PRIOR TO STARTING WORK.
2. PRIOR TO SUBMISSION, THE CONTRACTOR SHALL MEET WITH MR. WILLIAM SEWELL, DEPUTY DIRECTOR, DEPARTMENT OF PUBLIC WORKS FOR THE CITY OF NEW ORLEANS, ROOM 6W02, CITY HALL, 1300 PERDIDO STREET, OR HIS AUTHORIZED REPRESENTATIVE TO DISCUSS THE TRAFFIC CONTROL PLAN.
3. THE CONTRACTOR SHALL FULLY COORDINATE HIS TRAFFIC CONTROL PLAN WITH THE NEW ORLEANS CITY TRAFFIC ENGINEER, MR. ELMER DARWIN (PHONE NUMBER 504-565-6844), AND THE CHIEF ENGINEER, BOARD OF COMMISSIONERS, ORLEANS LEVEE DISTRICT, MR. STEVE SPENCER (PHONE NUMBER 504-243-4045).
4. PRIOR TO THE BEGINNING OF CONSTRUCTION, THE CONTRACTOR SHALL SUBMIT TO MR. ELMER DARWIN, CITY TRAFFIC ENGINEER, FOR APPROVAL:
(A) A PLAN FOR THE PROPOSED ROUTE ON WHICH CONSTRUCTION MATERIALS AND EQUIPMENT ARE TO BE TRANSPORTED TO OR FROM THE CONSTRUCTION SITE.
(B) A DETOUR PLAN SHOWING PROPOSED ROUTES FOR LOCAL TRAFFIC AND TRANSIENT TRAFFIC ON WHICH LOCATIONS OF DETOUR TRAFFIC CONTROL DEVICES AND CONSTRUCTION ZONE OR WORK ZONE TRAFFIC CONTROL DEVICES IS SHOWN. TRAFFIC CONTROL DEVICE APPLICATIONS AND METHODS SHALL BE IN COMPLIANCE WITH PART VI OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
THESE PLANS SHALL INCLUDE NAME AND TELEPHONE NUMBER OF RESPONSIBLE PERSONNEL IN CHARGE OF THE PROJECT. THE CONTRACTOR SHALL OBTAIN APPROVAL FROM MR. DARWIN FOR ANY TRAFFIC RELATED PLAN CHANGE, INCLUDING REMOVAL OR ADDITION OF TRAFFIC CONTROL DEVICES BEFORE OR DURING THE COURSE OF CONSTRUCTION.
5. ALL EXISTING TRAFFIC CONTROL DEVICES WHICH ARE IN CONFLICT WITH THE CONSTRUCTION OF THE WORK ZONE TRAFFIC CONTROL PLAN SHALL BE COVERED OR REMOVED BY THE CONTRACTOR AND THE REMOVED DEVICES RETURNED TO THE CITY SIGNAL SHOP OR SIGN SHOP AT 2823 LAFITTE STREET. ALL EXISTING DEVICES LEFT IN THE CONSTRUCTION OR WORK ZONE SHALL BE MAINTAINED IN GOOD CONDITION BY THE CONTRACTOR DURING THE COURSE OF CONSTRUCTION.
6. ALL REMOVED TRAFFIC CONTROL DEVICES SHALL BE RESTORED TO THEIR ORIGINAL POSITION AND ORIENTATION BY THE CONTRACTOR PRIOR TO THE TIME OF FINAL INSPECTION.

STANDARD LEGEND

Table with 2 columns: Symbol and Description. Symbols include hatched boxes for concrete/asphalt pavement, dashed lines for baselines, and various circular symbols for manholes and utilities.

STANDARD ABBREVIATIONS

Table with 2 columns: Abbreviation and Full Name. Includes terms like SURVEY BASELINE, PROJECT CENTERLINE, APPROXIMATE, AVENUE, BOULEVARD, BEGINNING OF CONSTRUCTION, etc.

SEWERAGE AND WATER BOARD GENERAL NOTES

- 1. ALL WORK TO BE PERFORMED IN ACCORDANCE WITH CURRENT GENERAL SPECIFICATIONS, DRAWING NO. 7260--SWD AND THE STANDARD DRAWINGS OF THE SEWERAGE AND WATER BOARD (S&WB) OF NEW ORLEANS, LOUISIANA EXCEPT OTHERWISE NOTED IN THE PROJECT SPECIFICATIONS.
2. THE LOCATION OF EXISTING UTILITIES ARE APPROXIMATE. THE CONTRACTOR SHALL VERIFY THE SAME AND SHALL TAKE NECESSARY PRECAUTIONS TO PROTECT THEM.
3. CONTRACTOR SHALL VERIFY ELEVATION OF EXISTING INVERTS THAT ARE A PART OF THIS JOB.
4. ALL CHANGES FROM THESE DRAWINGS MUST BE APPROVED BY THE S&WB AND C.O. PRIOR TO BEGINNING THE CONSTRUCTION WITH WHICH THEY ARE CONCERNED.
5. THE CONTRACTOR SHALL NOTIFY THE CHIEF OF NETWORKS OF THE S&WB IN WRITING NOT LESS THAN THREE (3) NOR MORE THAN TEN (10) DAYS IN ADVANCE STARTING THE JOB.
6. FINAL ACCEPTANCE IS CONTINGENT UPON A 90-DAY MAINTENANCE PERIOD FOLLOWING SATISFACTORY INSPECTION BY THE S&WB AND C.O.
7. BEFORE FINAL INSPECTION OF THE SYSTEM, THE CONTRACTOR SHALL SUBMIT AN "AS-BUILT" DRAWING TO THE S&WB SHOWING CHANGES IN LINE OR GRADE FROM THE ORIGINAL DRAWINGS, AND THE LOCATION AND DEPTH OF ALL HOUSE CONNECTIONS AS PER S&WB REQUIREMENTS.

STORM DRAINAGE NOTES

- 1. ALL DRAIN LINES, INCLUDING CATCH BASIN LATERALS, SHALL HAVE A MINIMUM OF 2'-6" COVER FROM THE TOP OF REINFORCED CONCRETE PIPE TO THE TOP OF FINISHED STREET GRADE.
2. PLUGGING OF LATERALS, IF REQUIRED, SHALL BE DONE AT THE END OF THE WYE BRANCH.
3. ALL SLABS FOR MANHOLES, CATCH BASINS AND DROP INLETS SHALL BE PLACED ON A 6" LAYER OF CRUSHED STONE OR APPROVED EQUAL.
4. CASTINGS, COVERS AND FRAMES FROM EXISTING CATCH BASINS AND MANHOLES INDICATED TO BE REMOVED ON THE PLANS SHALL BE DELIVERED TO THE S&WB CENTRAL YARD (2900 PEOPLES AVENUE). MANHOLES AND CATCH BASINS INDICATED TO BE REMOVED SHALL BE REMOVED TO 3' BELOW SUBGRADE AND THEN PLUGGED AND FILLED WITH SAND.
5. CONTRACTOR SHALL INSTALL A DRAIN CLEAN OUT AT THE BREAK IN THE DRAIN HOUSE CONNECTION PIPE WHEN TYING THE EXISTING DRAIN TO A NEW OR EXISTING CATCH BASIN.
6. ALL EXISTING DRAIN HOUSE CONNECTIONS ARE TO BE RECONNECTED TO NEW DRAIN LINES WITH 6" PVC DRAIN LINE. THE HOUSE CONNECTIONS WILL BE ATTACHED TO THE NEW R.C.P. PIPE BY DRILLING THE R.C.P. (NO TAPPING WILL BE ALLOWED) AND USING A RUBBER BOOT OR SAND-IMPREGNATED PVC BELL TO CONNECT THE NEW PVC PIPE. AN ALTERNATE METHOD COULD UTILIZE AN R.C.P. TEE IN THE MAIN LINE WITH A RUBBER BOOT (IE. KOR-N SEAL BOOT, OR APPROVED EQUAL) TO CONNECT THE 6" PVC TO THE 12" LATERAL STUB OF THE TEE.
7. NO 90 DEGREE BENDS WILL BE ALLOWED IN DRAIN HOUSE CONNECTION PIPE.
8. NO DRAIN HOUSE CONNECTIONS SHALL BE INSTALLED IN THE CORNERS OF CATCH BASINS. ALL CONNECTIONS SHALL BE IN THE SIDE OR BACK OF THE CATCH BASIN.
9. ON DRAIN POINT REPAIRS, NO BRICK OR CONCRETE COLLARS WILL BE ALLOWED. FOR SEWER AND DRAIN POINT REPAIRS, AND FOR ALL OTHER SEWER AND DRAIN REPAIRS, THE CONNECTION OF ANY TWO DISSIMILAR MATERIALS SHALL BE ACCOMPLISHED BY THE INSTALLATION OF A "NO-HUB" COUPLING CONSISTING OF A NEOPRENE SLEEVE AND BUSHING ADAPTER, TWO STAINLESS STEEL BANDS AND STAINLESS STEEL SCREWS. THE COUPLING SHALL BE MANUFACTURED IN STRICT ACCORDANCE WITH THE CAST IRON SOIL PIPE INSTITUTE SPECIFICATIONS C301, LATEST REVISION, AS MANUFACTURED BY TYLER CLAY PRODUCTS CORP., FERNCO, OR APPROVED EQUAL.

ROADWAY GENERAL NOTES

Table with 4 columns: Field Name and Value. Includes fields for DESIGNED BY, DRAWN BY, CHECKED BY, DATE, PLOT SCALE, PLOT DATE, FILE NO., and DWG. NO.

Safety is a Part of Your Contract

SEE DWG. 24 FOR WATER MAIN AND ELECTRICAL NOTES

AS BUILT

Safety is a Part of Your Contract

GENERAL NOTES

DESIGN SPECIFICATIONS BRIDGES:

1) THE 1992 STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES OF THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS (AASHTO) FIFTEENTH EDITION AS AMENDED BY THE CURRENT AASHTO INTERIM SPECIFICATIONS FOR BRIDGES

FLOOD PROTECTION:

1) U.S. ARMY CORPS OF ENGINEERS, EM 1110-2-2104 DATED APRIL 30, 1992.

CONSTRUCTION SPECIFICATION:

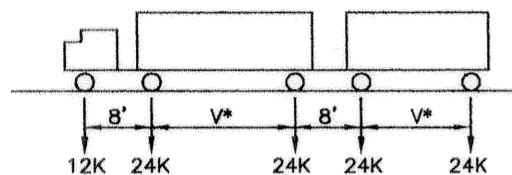
1) U.S. ARMY CORPS OF ENGINEERS GUIDE SPECIFICATIONS AND THE PROJECT TECHNICAL SPECIFICATIONS.

DESIGN SPEED:

1) LEON C. SIMON BLVD. BRIDGE - 35 MPH

DESIGN LOADS:

1) DEAD LOADS - ESTIMATED WEIGHT OF COMPLETED STRUCTURE INCLUDING AN ALLOWANCE OF 12 PSF FOR FUTURE WEARING SURFACE.
LIVE LOADS - HS20-44 TRUCK OR LANE OR HST-18 TRUCK LOADING AS SHOWN ON THIS SHEET.
ALL OTHER LOADS SHALL BE IN ACCORDANCE WITH AASHTO SPECIFICATIONS.



LADOTD HST-18 TRUCK
*V = VARIABLE 14-30FT

DESIGN CANAL WATER ELEVATION

(HIGH LEVEL PLAN)
1) STILL WATER LEVEL - (100% OF DESIGN FORCES USED.)
EL. 11.9 N.G.V.D. (1964 EPOCH)
EL. 11.02 N.G.V.D. (1991 EPOCH)
2) WAVE ACTION - (75% OF DESIGN FORCES USED.)
EL. 13.9 N.G.V.D. (1964 EPOCH)
EL. 13.02 N.G.V.D. (1991 EPOCH)

ELEVATIONS

1) LEON C. SIMON REFERENCE BENCHES:
P153 ELEV. 11.27' N.G.V.D. (1964 EPOCH)
P153 ELEV. 10.39' N.G.V.D. (1991 EPOCH)
AA190 ELEV. -3.64' N.G.V.D. (1991 EPOCH)
ALL ELEVATIONS ON THESE PLANS ARE BASED ON 1991 EPOCH UNLESS OTHERWISE NOTED.

DESIGN CRITERIA

1) ALL STRUCTURAL MEMBERS ARE DESIGNED BY LOAD FACTOR METHOD UNLESS OTHERWISE NOTED. PRESTRESSED CONCRETE GIRDERS ARE DESIGNED PER AASHTO SPECIFICATIONS.

DIMENSIONS

1) DIMENSIONS AND/OR ELEVATIONS MARKED THUS (±) ARE APPROXIMATED. CONTRACTOR SHALL VERIFY ACTUAL DIMENSIONS IN FIELD. DIMENSIONS AND/OR ELEVATIONS MARKED THUS (N.T.S.) ARE NOT SHOWN TO SCALE. DRAWINGS ARE GENERALLY TO SCALE, BUT SHOULD NOT BE SCALED. N.T.S. IS SHOWN ONLY WHERE DRAWING IS OBVIOUSLY OUT OF SCALE. ALL DIMENSIONS ARE GIVEN AT NORMAL TEMPERATURE (68° F).

SOILS INVESTIGATION

1) A SOILS INVESTIGATION WAS PERFORMED BY EUSTIS ENGINEERING FOR THIS PROJECT. BORING LOGS ARE INCLUDED IN THESE CONTRACT DRAWINGS.

STRUCTURAL METALWORK

1) ANCHOR BOLTS SHALL CONFORM TO ASTM A 193, TYPE B7, GRADE AISI 4140 RODS. NUTS SHALL CONFORM TO ASTM A 194, GRADE 7, AISI 4140. TIE RODS SHALL BE DYWIDAG OR APPROVED EQUAL THREADED PRESTRESSING ROD. STEEL FOR FLOODGATE SHALL CONFORM TO A 36. FABRICATION SHALL MEET THE REQUIREMENTS OF THE PROJECT SPECIFICATIONS.

PILES

1) ALL PILE REQUIREMENTS INCLUDING SIZE, TYPE AND MAXIMUM DESIGN LOAD, AND TEST PILE REQUIREMENTS AS TO LOCATION AND TEST LOADING SHALL BE AS DESCRIBED ON THE PLANS OR IN THE SPECIFICATIONS. LENGTH OF PILES PROVIDED ARE FOR ESTIMATING PURPOSES ONLY.
2) CONTRACTOR SHALL DETERMINE THE NUMBER OF SPLICES REQUIRED. (MAXIMUM OF 2 SPLICES PER PILE) FOR ALL STEEL PIPE AND H PILES.

PRECAST PRESTRESSED CONCRETE GIRDER SPANS

1) CONCRETE FOR PRECAST PRESTRESSED CONCRETE GIRDERS SHALL BE CLASS "P(M)" AS DEFINED IN THE PROJECT SPECIFICATIONS.
2) ALL GIRDERS SHALL BE ARTIFICIALLY ROUGHED IN A TRANSVERSE DIRECTION ON THE TOP SURFACE. FABRICATION TOLERANCES FOR GIRDERS ARE GIVEN IN THE PROJECT SPECIFICATIONS. THE CONTRACTOR SHALL SUBMIT PROPOSED METHOD AND SCHEDULE OF RELEASE OF STRANDS TO THE CONTRACTING OFFICER FOR APPROVAL PRIOR TO GIRDER FABRICATION.
3) PRECAST PRESTRESSED CONCRETE GIRDERS SHALL BE AT LEAST SIX MONTHS OLD BEFORE BEING PLACED INTO THE BRIDGE SUPERSTRUCTURE.
4) ROADWAY SLAB THICKNESS SHALL BE VARIED AS REQUIRED TO PROVIDE THE PROPER FINISHED ROADWAY ELEVATION.

STRUCTURAL CONCRETE

1) ALL SUPERSTRUCTURE CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 4200 psi AT 28 DAYS. ALL SUBSTRUCTURE CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3800 psi AT 28 DAYS. CONCRETE CLASSES ARE DEFINED IN THE PROJECT SPECIFICATIONS.
2) CHAMFER ALL EXPOSED EDGES OF CONCRETE 3/4" EXCEPT ALL CORNERS OF BENTS WHICH SHALL BE CHAMFERED 1-1/2" UNLESS OTHERWISE NOTED. NO DEDUCTIONS ARE TO BE MADE IN CONCRETE QUANTITIES FOR CHAMFERS 1-1/2" OR LESS.
3) ALL CONCRETE SHALL RECEIVE FINISHES IN ACCORDANCE WITH THE SPECIFICATIONS OR AS DETERMINED BY THE CONTRACTING OFFICER.
4) CONSTRUCTION JOINTS: WHERE CONSTRUCTION JOINTS ARE USED, NOT LESS THAN SEVEN (7) DAYS SHALL ELAPSE BEFORE PLACING ADJACENT CONCRETE. CONSTRUCTION JOINTS SHALL BE CLEANED AND COATED PRIOR TO EACH SUCCEEDING POUR WITH A NON-SHRINK GROUT. NON-SHRINK GROUT REQUIREMENTS ARE GIVEN IN THE PROJECT SPECIFICATIONS. NON-SHRINK GROUT SHALL BE APPLIED IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.

REINFORCEMENT

1) ALL REINFORCING STEEL BARS SHALL BE DEFORMED STEEL BARS CONFORMING TO ASTM 615.
2) DIMENSIONS RELATING TO REINFORCING STEEL FABRICATION ARE OUT TO OUT OF BAR UNLESS OTHERWISE NOTED. DIMENSIONS RELATING TO REINFORCING STEEL SPACING ARE CENTER TO CENTER OF BAR. THE MINIMUM COVERING FROM THE SURFACE OF THE CONCRETE TO THE FACE OF ANY DEFORMED REINFORCING BAR SHALL NOT BE LESS THAN THE FOLLOWING:

TOP OF SLAB = 2"
BOTTOM OF SLAB = 1"
BOTTOM OF GIRDER = 3"

3) ALL OTHER REINFORCING STEEL COVER SHALL BE 3" UNLESS OTHERWISE NOTED IN THE PLANS. REINFORCING STEEL SHALL BE GRADE 60 STEEL. THE FIRST DIGIT OF THE REINFORCING BAR NUMBER INDICATES BAR SIZE.

4) MECHANICAL SPLICES FOR REINFORCING BARS SHALL BE APPROVED BY THE CONTRACTING OFFICER. THE EMBEDMENT AND LAP SPLICE LENGTH TABLE ON THIS SHEET SHALL BE USED IN DETERMINING LAP SPLICES AND EMBEDMENT LENGTHS WHERE LENGTHS ARE NOT OTHERWISE INDICATED. THE CONTRACTOR WILL BE ALLOWED TO MAKE SPLICES IN ADDITION TO THOSE INDICATED IN THE DRAWINGS, WHERE ESSENTIAL TO CONSTRUCTIBILITY, SUBJECT TO APPROVAL BY THE CONTRACTING OFFICER. SPLICES OTHER THAN THOSE SHOWN ON THE DRAWINGS AND OTHER THAN ANY ADDITIONAL SPLICES REQUIRED BY THE CONTRACTING OFFICER, WILL BE AT THE CONTRACTOR'S EXPENSE.

EMBEDMENT AND SPLICE NOTES:

1. USE THE BASIC TABLE IF ALL OF THE FOLLOWING CONDITIONS ARE MET:
A) CENTER TO CENTER BAR SPACING LATERALLY IS AT LEAST 4 BAR DIAMETERS.
B) CONCRETE COVER IS AT LEAST 2 BAR DIAMETERS, AND
C) EDGE DISTANCE TO THE FIRST BAR IN A LAYER IS AT LEAST 2 BAR DIAMETERS.
2. THE ALTERNATE TABLE MAY BE USED IF ALL OF THE FOLLOWING CONDITIONS ARE MET:
A) CENTER TO CENTER BAR SPACING LATERALLY IS AT LEAST 6 BAR DIAMETERS.
B) CONCRETE COVER IS AT LEAST 2 BAR DIAMETERS, AND
C) EDGE DISTANCE TO THE FIRST BAR IN A LAYER IS AT LEAST 2.5 BAR DIAMETERS.
3. IF CONCRETE COVER OR EDGE DISTANCE IS LESS THAN 2 BAR DIAMETERS OR THE CENTER TO CENTER BAR SPACING LATERALLY IS LESS THAN 4 DIAMETERS, SEE ACI 318 FOR GUIDANCE.
4. TOP BARS ARE HORIZONTAL BARS AND BARS INCLINED LESS THAN 45 DEGREES WITH RESPECT TO A HORIZONTAL PLANE, WHICH ARE PLACED SUCH THAT MORE THAN 12 INCHES OF CONCRETE IS CAST IN THE MEMBER BELOW THE BAR.
5. THE TABLES SHOWN ARE FOR NORMAL WEIGHT CONCRETE AND UNCOATED REINFORCING BARS. IF LIGHTWEIGHT REINFORCING CONCRETE OR EPOXY COATED REINFORCING BARS ARE USED, SEE ACI 318 FOR ADDITIONAL CONSIDERATION.

WELDING:

1) WELDING OF ALL STRUCTURAL STEEL SHALL CONFORM TO AASHTO/AWS D.1.5.88 BRIDGE WELDING CODE AS MODIFIED BY THE SUPPLEMENTAL SPECIFICATIONS. WELDING OF STEEL PIPE PILE SHALL CONFORM TO ANSI/AWS D1.1-90 STRUCTURAL WELDING CODE-STEEL.

STRUCTURAL STEEL:

1) ALL STEEL SHALL BE CARBON STEEL CONFORMING TO ASTM A36 UNLESS OTHERWISE SHOWN IN THE PLANS OR AS SPECIFIED IN THE SPECIFICATIONS. ANY NECESSARY SUBSTITUTION MUST HAVE PRIOR APPROVAL OF THE CONTRACTING OFFICER. ANCHOR BOLTS, NUTS AND WASHERS SHALL BE HOT-DIPPED GALVANIZED.

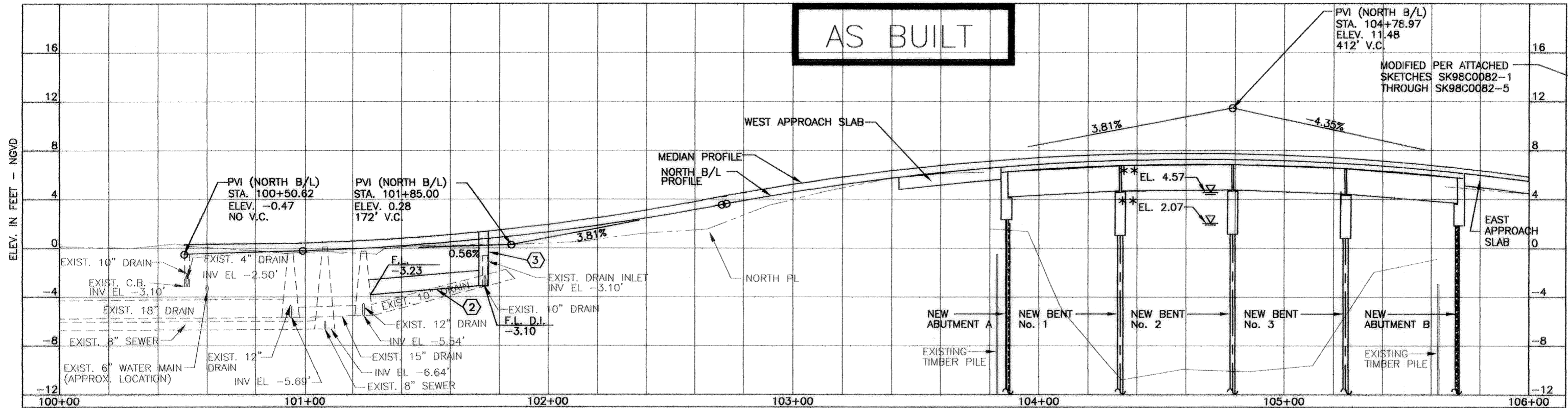
BAR SIZE	REINFORCEMENT EMBEDMENT AND SPLICE TABLES							
	BASIC TABLE				ALTERNATE TABLE			
	MINIMUM EMBEDMENT LENGTH, INCHES		MINIMUM LAP LENGTH INCHES		MINIMUM EMBEDMENT LENGTH, INCHES		MINIMUM LAP LENGTH INCHES	
	TOP	OTHER	TOP	OTHER	TOP	OTHER	TOP	OTHER
3	16	12	21	16	16	12	21	16
4	21	16	28	21	21	16	28	21
5	27	21	35	27	27	21	35	27
6	32	25	42	32	32	25	42	32
7	37	29	49	37	37	29	49	37
8	45	35	59	45	43	33	56	43
9	57	44	74	57	48	37	63	48
10	72	56	94	72	58	45	75	58
11	89	68	116	89	71	55	92	71

AS BUILT

SYMBOL	DESCRIPTION	DATE	APPROVED
REVISIONS			
U.S. ARMY ENGINEER DISTRICT, NEW ORLEANS CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA			
<small>BOARD OF LEVEE COMMISSIONERS ORLEANS LEVEE DISTRICT NEW ORLEANS, LOUISIANA</small>		<small>LINFIELD, HUNTER & JUNIUS, INC. CONSULTING ENGINEERS AND ARCHITECTS 3500 North Causeway Blvd. Suite 200 Metairie, Louisiana 70002</small>	
LAKE PONTCHARTRAIN, LA. AND VICINITY HIGH LEVEL PLAN LONDON AVE. OUTFALL CANAL, PARALLEL PROTECTION FLOODPROOFING OF LEON C. SIMON BLVD. BRIDGE ORLEANS PARISH, LOUISIANA BRIDGE GENERAL NOTES			
DESIGNED BY: PWB	DATE: FEB. 1998	PLOT SCALE: 1	PLOT DATE: 2/20/98
DRAWN BY: RKP	CADD FILE: 44732BLK.DGN	FILE NO.	H-4-44955
CHECKED BY: AFG	SOLICITATION NO.	DWG. 3	OF 68
SUBMITTED BY: A. GOODSON, DESIGN ENGINEER		DACW29-98-B-0065	



AS BUILT



LEGEND OF CONSTRUCTION NOTES

- ① 4" MOUNTABLE CURB
- ② 8" BARRIER CURB
- ②A 22' MEDIAN TRAFFIC BARRIER TO GUARD RAIL TRANSITION, SIM DETAIL A (LADOTD STD. G.R. 201, SHT. 6)
- ②B 40' MEDIAN TRAFFIC BARRIER TO CAT SYSTEM TRANSITION, SIM DETAIL B (LADOTD STD. G.R. 201, SHT. 6)
- ③ 6" BARRIER CURB
- ③A 15' TRANSITION 6" BARRIER CURB TO 10" BARRIER CURB
- ④ 4" THICK CONCRETE SIDEWALK
- ⑤ 5' TRANSITION BARRIER TO MOUNTABLE
- ⑥ EXIST. LIGHT STANDARD TO REMAIN
- ⑦ LIGHT STANDARD TO BE RELOCATED BY ENTERGY
- ⑧ TYPE "A" H.C. RAMP
- ⑨ TYPE "B" H.C. RAMP
- ⑩ 6" RESIDENTIAL D/W STA. 52+73.15 20.5' WIDE (PRATT DRIVE)
- ⑪ ADJUST DRAIN STRUCTURE TO GRADE

NORTH SIDE VERTICAL CURVE DATA

MEDIAN GUTTER - CONT. ON DWG 5		
P.V.I. NO.	①	②
P.V.I. STA.	101+75.17	104+74.14
P.V.I. ELEV.	+0.57	+11.97
V.C. LENGTH	180'	412'
g ₁	+0.21%	+3.81%
g ₂	+3.81%	-4.35%

NOTES

1. ADJUST TOPS OF ALL EXISTING MANHOLES, CLEANOUTS, WATER METER BOXES, WITHIN NEWLY PAVED AREA TO NEW GRADE.
2. SEE DWGS. 13 AND 14 FOR GEOMETRIC LAYOUT.
3. SEE DWGS. 24 AND 25 FOR UTILITY RELOCATION.
4. SEE DWGS. 19 AND 20 FOR DEMOLITION PLAN.
5. SEE DWGS. 15 AND 16 FOR JOINT LAYOUT PLAN.
6. SEE DWGS. 17 AND 18 FOR GRADING PLAN.
7. SEE DWGS. 6 AND 7 FOR DRAINAGE ON SOUTH SIDE OF LEON C. SIMON BLVD.
8. SEE DWG. 2 & 3 FOR GENERAL NOTES & LEGEND.
9. PROVIDE DEPRESSED CURBS AT ALL DRIVEWAYS UNLESS OTHERWISE INDICATED.
10. ALL STORM DRAIN PIPES SHALL BE REINFORCED CONCRETE UNLESS OTHERWISE NOTED.
11. ALL SIGNS IN CONFLICT WITH WORK SHALL BE STORED IN STAGING AREA AND RELOCATED TO LOCATION DETERMINED BY THE CONTRACTING OFFICER.
12. SEE LADOTD GUARD RAIL STANDARD DETAILS.

NORTH ROADWAY PROFILE

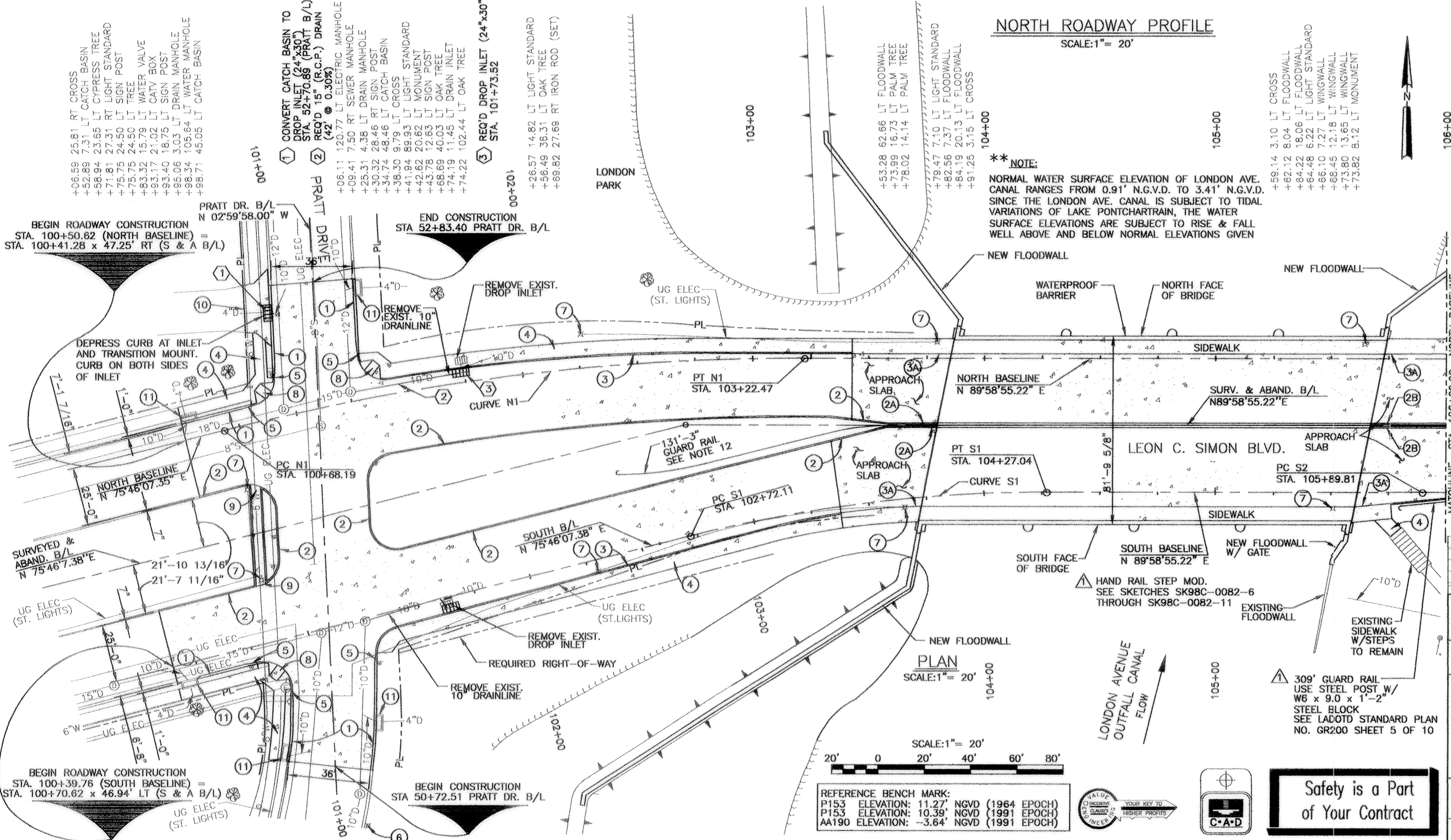
SCALE: 1" = 20'

NOTE:

NORMAL WATER SURFACE ELEVATION OF LONDON AVE. CANAL RANGES FROM 0.91' N.G.V.D. TO 3.41' N.G.V.D. SINCE THE LONDON AVE. CANAL IS SUBJECT TO TIDAL VARIATIONS OF LAKE PONCHARTRAIN, THE WATER SURFACE ELEVATIONS ARE SUBJECT TO RISE & FALL WELL ABOVE AND BELOW NORMAL ELEVATIONS GIVEN

HORIZONTAL CURVE DATA

MAJOR CURVE DATA		
CURVE No.	CURVE N1	CURVE S1
P.I. STA.	101+95.98	103+50.09
R	1024.50 ft.	625.00 ft.
L	254.28 ft.	155.16 ft.
Δ	14°13'15.27"	14°13'25.26"
T	127.79 ft.	77.98 ft.
D	05°35'33.22"	9°10'02.37"



REFERENCE BENCH MARK:

P153	ELEVATION: 11.27' NGVD (1964 EPOCH)
P153	ELEVATION: 10.39' NGVD (1991 EPOCH)
AA190	ELEVATION: -3.64' NGVD (1991 EPOCH)



Safety is a Part of Your Contract

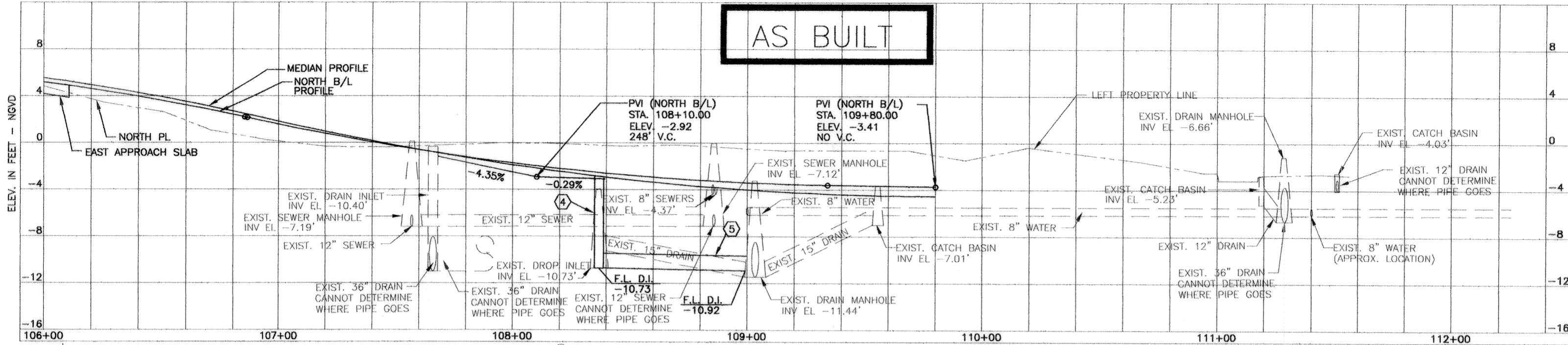
DESIGNED BY: M.K.A.	DATE: FEB. 1998	PILOT SCALE: 20	PILOT DATE: 2/20/98
DRAWN BY: T.F.B.	CADD FILE: 447328LK.DGN	FILE NO. H-4-44955	
CHECKED BY: S.J.G.	SUBMITTED BY: A. GOODSON	SOLICITATION NO. DACW29-98-B-0065	DWG. 4 OF 68

U.S. ARMY ENGINEER DISTRICT, NEW ORLEANS
CORPS OF ENGINEERS
NEW ORLEANS, LOUISIANA

LAKE PONCHARTRAIN, LA. AND VICINITY
HIGH LEVEL PLAN
LONDON AVE. OUTFALL CANAL, PARALLEL PROTECTION
FLOODPROOFING OF
LEON C. SIMON BLVD. BRIDGE
ORLEANS PARISH, LOUISIANA

PLAN & PROFILE NORTH ROADWAY

AS BUILT



NORTH ROADWAY PROFILE
SCALE: 1" = 20'

LEGEND OF CONSTRUCTION NOTES

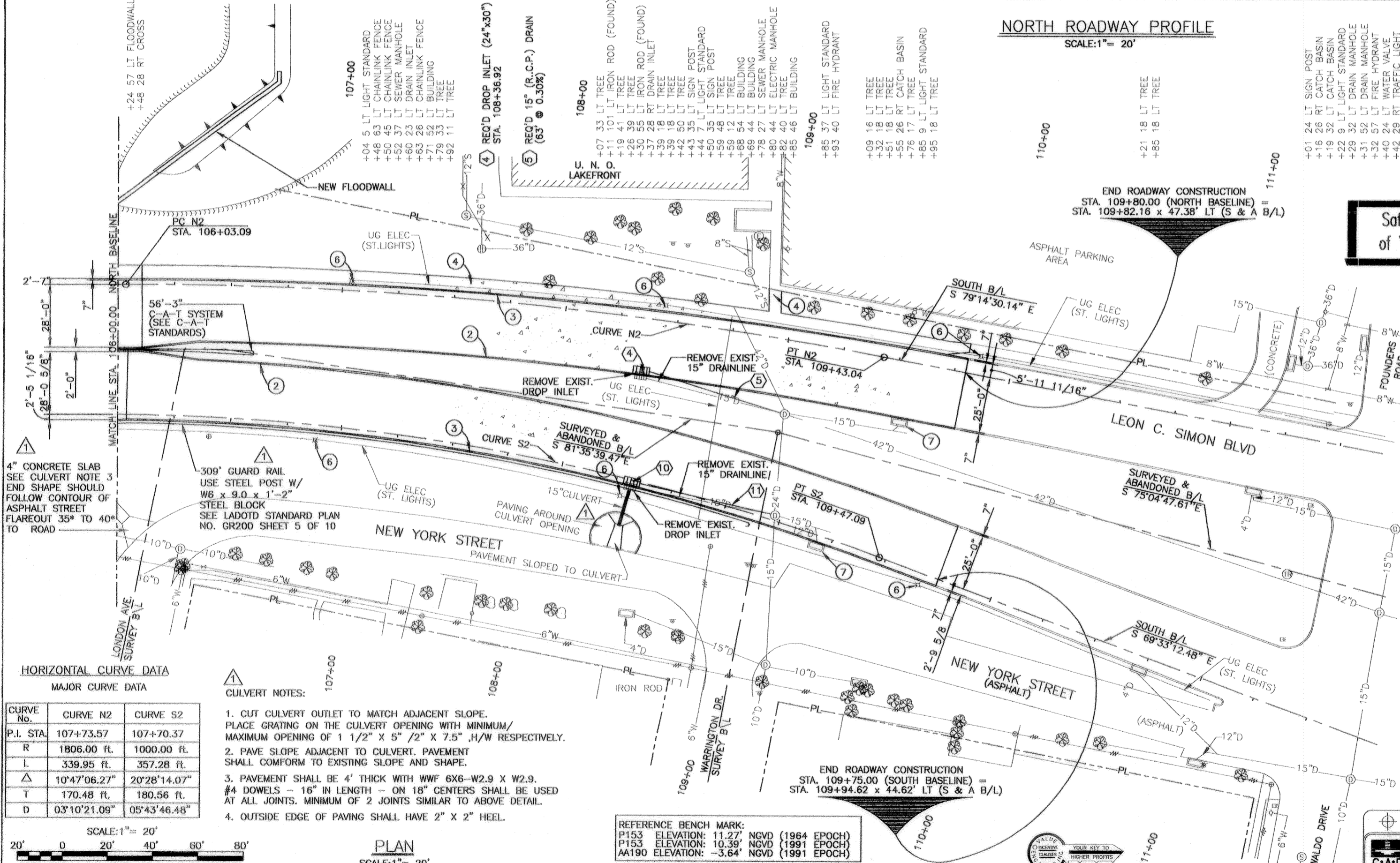
- ① 4" MOUNTABLE CURB
- ② 8" BARRIER CURB
- ③ 6" BARRIER CURB
- ④ 4" THICK CONCRETE SIDEWALK
- ⑤ 5' TRANSITION BARRIER TO MOUNTABLE
- ⑥ LIGHT STANDARD TO BE RELOCATED BY ENTERITY
- ⑦ ADJUST EXISTING DRAIN STRUCTURE TO GRADE

NORTH SIDE VERTICAL CURVE DATA

MEDIAN GUTTER	
P.V.I. NO.	⑤
P.V.I. STA.	108+41.53
P.V.I. ELEV.	-4.017
V.C. LENGTH	260'
g ₁	-4.35%
g ₂	-0.16%

Safety is a Part of Your Contract

- NOTES**
- ADJUST TOPS OF ALL EXISTING MANHOLES, CLEANOUTS, WATER METER BOXES, WITHIN NEWLY PAVED AREA TO NEW GRADE.
 - SEE DWGS. 13 AND 14 FOR GEOMETRIC LAYOUT.
 - SEE DWGS. 24 AND 25 FOR UTILITY RELOCATION.
 - SEE DWGS. 19 AND 20 FOR DEMOLITION PLAN.
 - SEE DWGS. 15 AND 16 FOR JOINT LAYOUT PLAN.
 - SEE DWGS. 17 AND 18 FOR GRADING PLAN.
 - SEE DWGS. 6 AND 7 FOR DRAINAGE ON SOUTH SIDE OF LEON C. SIMON BLVD.
 - PROVIDE DEPRESSED CURBS AT ALL DRIVEWAYS UNLESS OTHERWISE INDICATED.
 - SEE DWG. 2 & 3 FOR GENERAL NOTES & LEGEND.
 - ALL STORM DRAIN PIPES SHALL BE REINFORCED CONCRETE UNLESS OTHERWISE NOTED.
 - ALL SIGNS IN CONFLICT WITH WORK SHALL BE STORED IN STAGING AREA AND RELOCATED TO LOCATION DETERMINED BY THE CONTRACTING OFFICER.
 - SEE LADOTD GUARD RAIL STANDARD DETAILS.



HORIZONTAL CURVE DATA

CURVE NO.	CURVE N2	CURVE S2
P.I. STA.	107+73.57	107+70.37
R	1806.00 ft.	1000.00 ft.
L	339.95 ft.	357.28 ft.
Δ	10°47'06.27"	20°28'14.07"
T	170.48 ft.	180.56 ft.
D	03°10'21.09"	05°43'46.48"

- CULVERT NOTES:**
- CUT CULVERT OUTLET TO MATCH ADJACENT SLOPE. PLACE GRATING ON THE CULVERT OPENING WITH MINIMUM/MAXIMUM OPENING OF 1 1/2" X 5" / 2" X 7.5" H/W RESPECTIVELY.
 - PAVE SLOPE ADJACENT TO CULVERT. PAVEMENT SHALL CONFORM TO EXISTING SLOPE AND SHAPE.
 - PAVEMENT SHALL BE 4" THICK WITH WWF 6X6-W2.9 X W2.9. #4 DOWELS - 16" IN LENGTH - ON 18" CENTERS SHALL BE USED AT ALL JOINTS. MINIMUM OF 2 JOINTS SIMILAR TO ABOVE DETAIL.
 - OUTSIDE EDGE OF PAVING SHALL HAVE 2" X 2" HEEL.

REFERENCE BENCH MARK:

P153	ELEVATION: 11.27' NGVD (1964 EPOCH)
P153	ELEVATION: 10.39' NGVD (1991 EPOCH)
AA190	ELEVATION: -3.64' NGVD (1991 EPOCH)



SYMBOL	DESCRIPTION	DATE	APPROVED
REVISIONS			
U.S. ARMY ENGINEER DISTRICT, NEW ORLEANS			
CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA			
BOARD OF LEVEE COMMISSIONERS ORLEANS LEVEE DISTRICT NEW ORLEANS, LOUISIANA		LINFIELD, HUNTER & JUNIUS, INC. CONSULTING ENGINEERS AND ARCHITECTS 1400 North Causeway Blvd, Suite 200 Metairie, Louisiana 70002	
LAKE PONTCHARTRAIN, LA. AND VICINITY HIGH LEVEL PLAN			
LONDON AVE. OUTFALL CANAL, PARALLEL PROTECTION FLOODPROOFING OF LEON C. SIMON BLVD. BRIDGE ORLEANS PARISH, LOUISIANA			
PLAN & PROFILE NORTH ROADWAY			
DESIGNED BY: MKA	DATE: FEB. 1998	PLOT SCALE: 20'	PLOT DATE: 2/20/98
DRAWN BY: TFB	CADD FILE: 447328JK.DGN	FILE NO. H-4-44955	
CHECKED BY:	SOLICITATION NO. DACW29-98-B-0065	DWG. 5 OF 68	
SUBMITTED BY: A. GOODEGON DESIGN ENGINEER			

Safety is a Part of Your Contract

AS BUILT

LEGEND OF CONSTRUCTION NOTES

- ① 4" MOUNTABLE CURB
- ② 8" BARRIER CURB
- ②A 22' MEDIAN TRAFFIC BARRIER TO GUARD RAIL TRANSITION, SIM DETAIL A (LADOTD STD. G.R. 201, SHT. 6)
- ②B 40' MEDIAN TRAFFIC BARRIER TO CAT SYSTEM TRANSITION, SIM DETAIL B (LADOTD STD. G.R. 201, SHT. 6)
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- ③A 15' TRANSITION 6" BARRIER CURB TO 10" BARRIER CURB
- ④ 4" THICK CONCRETE SIDEWALK
- ⑤ 5' TRANSITION BARRIER TO MOUNTABLE
- ⑥ EXIST. LIGHT STANDARD TO REMAIN
- ⑦ LIGHT STANDARD TO BE RELOCATED BY ENTERGY
- ⑧ TYPE "A" H.C. RAMP
- ⑨ TYPE "B" H.C. RAMP
- ⑩ 6" RESIDENTIAL D/W STA. 52+73.15 20.5' WIDE (PRATT DRIVE) ADJUST DRAIN STRUCTURE TO GRADE
- ⑪ ADJUST DRAIN STRUCTURE TO GRADE

SOUTH SIDE VERTICAL CURVE DATA

MEDIAN GUTTER - CONT. ON DWG 7

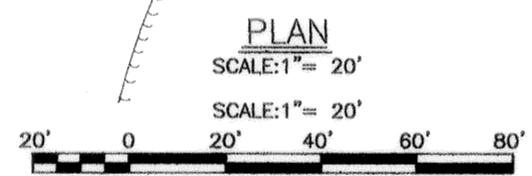
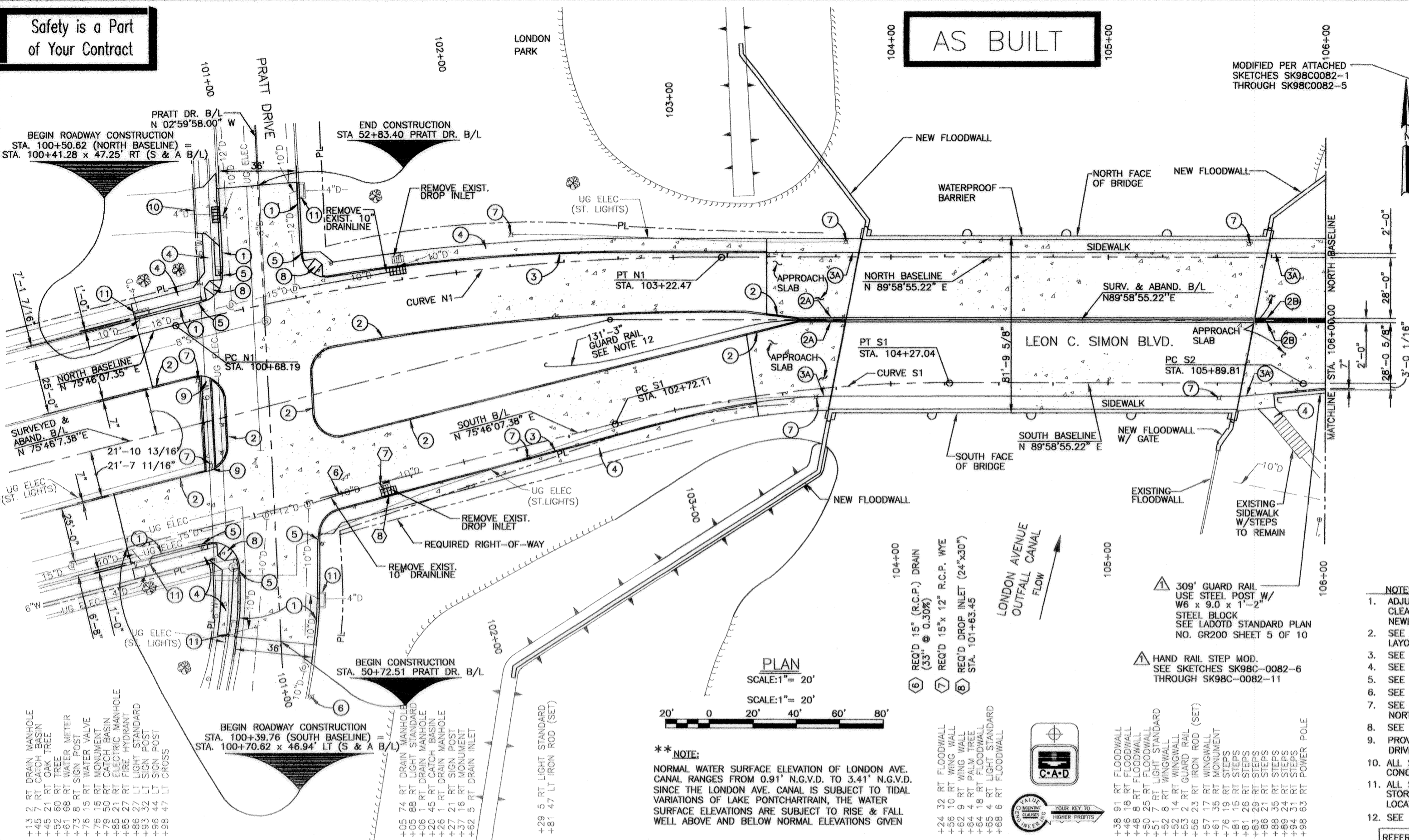
P.V.I. NO.	①	②
P.V.I. STA.	101+73.64	104+72.61
P.V.I. ELEV.	+0.57	+11.97
V.C. LENGTH	180'	412'
g ₁	+0.15%	+3.81%
g ₂	+3.81%	-4.35%

HORIZONTAL CURVE DATA

MAJOR CURVE DATA

CURVE No.	CURVE N1	CURVE S1
P.I. STA.	101+95.98	103+50.09
R	1024.50 ft.	625.00 ft.
L	254.28 ft.	155.16 ft.
Δ	14°13'15.27"	14°13'25.26"
T	127.79 ft.	77.98 ft.
D	05°35'33.22"	9°10'02.37"

- NOTES
- ADJUST TOPS OF ALL EXISTING MANHOLES, CLEANOUTS, WATER METER BOXES, WITHIN NEWLY PAVED AREA TO NEW GRADE.
 - SEE DWGS. 13 AND 14 FOR GEOMETRIC LAYOUT.
 - SEE DWGS. 24 AND 25 FOR UTILITY RELOCATION.
 - SEE DWGS. 19 AND 20 FOR DEMOLITION PLAN.
 - SEE DWGS. 15 AND 16 FOR JOINT LAYOUT PLAN.
 - SEE DWGS. 17 AND 18 FOR GRADING PLAN.
 - SEE DWGS. 4 AND 5 FOR DRAINAGE ON NORTH SIDE OF LEON C. SIMON BLVD.
 - SEE DWG. 2 & 3 FOR GENERAL NOTES & LEGEND.
 - PROVIDE DEPRESSED CURBS AT ALL DRIVEWAYS UNLESS OTHERWISE INDICATED.
 - ALL STORM DRAIN PIPES SHALL BE REINFORCED CONCRETE UNLESS OTHERWISE NOTED.
 - ALL SIGNS IN CONFLICT WITH WORK SHALL BE STORED IN STAGING AREA AND RELOCATED TO LOCATION DETERMINED BY THE CONTRACTING OFFICER.
 - SEE LADOTD GUARD RAIL STANDARD DETAILS.

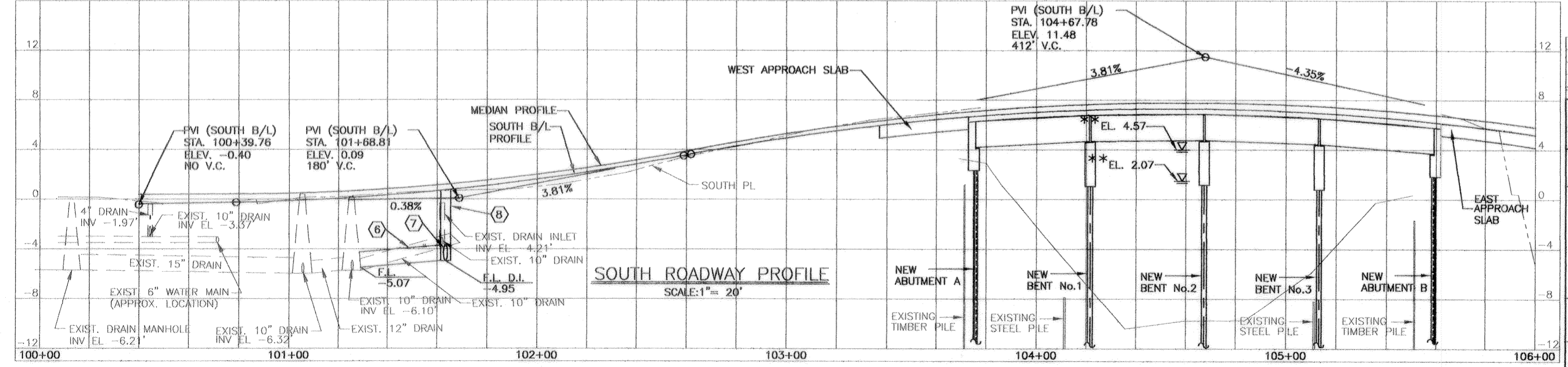


**** NOTE:**
NORMAL WATER SURFACE ELEVATION OF LONDON AVE. CANAL RANGES FROM 0.91' N.G.V.D. TO 3.41' N.G.V.D. SINCE THE LONDON AVE. CANAL IS SUBJECT TO TIDAL VARIATIONS OF LAKE PONTCHARTRAIN, THE WATER SURFACE ELEVATIONS ARE SUBJECT TO RISE & FALL WELL ABOVE AND BELOW NORMAL ELEVATIONS GIVEN

- +13 RT DRAIN MANHOLE
- +45 21 RT OAK TREE
- +62 60 RT WATER METER
- +61 68 RT SIGN POST
- +73 15 RT WATER VALVE
- +79 50 RT MONUMENT
- +85 21 RT CATCH BASIN
- +85 27 RT FIRE HYDRANT
- +86 32 RT LIGHT STANDARD
- +89 44 RT SIGN POST
- +93 47 RT CROSS

- +05 74 RT DRAIN MANHOLE
- +06 96 RT LIGHT STANDARD
- +08 80 RT CATCH BASIN
- +09 45 RT CATCH BASIN
- +26 31 RT DRAIN MANHOLE
- +27 21 RT SIGN POST
- +37 16 RT MONUMENT
- +62 5 RT DRAIN INLET

- +24 32 RT FLOODWALL
- +56 10 RT WING WALL
- +64 9 RT PALM TREE
- +64 18 RT FLOODWALL
- +65 4 RT LIGHT STANDARD
- +68 6 RT FLOODWALL
- +38 91 RT FLOODWALL
- +46 18 RT FLOODWALL
- +50 25 RT FLOODWALL
- +51 7 RT LIGHT STANDARD
- +52 8 RT WINGWALL
- +52 14 RT WINGWALL
- +53 2 RT GUARD RAIL
- +56 23 RT IRON ROD (SET)
- +57 17 RT WINGWALL
- +76 19 RT STEPS
- +81 15 RT STEPS
- +83 20 RT STEPS
- +83 21 RT STEPS
- +83 22 RT STEPS
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REFERENCE BENCH MARK:
P153 ELEVATION: 11.27' NGVD (1964 EPOCH)
P153 ELEVATION: 10.39' NGVD (1991 EPOCH)
AA190 ELEVATION: -3.64' NGVD (1991 EPOCH)

SYMBOL	DESCRIPTION	DATE	APPROVED
▲	HAND RAIL AND ROADWAY		
▲	NEW GUARD RAIL ON SOUTHEAST	04/13/00	DB

REVISIONS

U.S. ARMY ENGINEER DISTRICT, NEW ORLEANS
CORPS OF ENGINEERS
NEW ORLEANS, LOUISIANA

LAKE PONTCHARTRAIN, LA. AND VICINITY
HIGH LEVEL PLAN

LONDON AVE. OUTFALL CANAL, PARALLEL PROTECTION
FLOODPROOFING OF
LEON C. SIMON BLVD. BRIDGE
ORLEANS PARISH, LOUISIANA

PLAN AND PROFILE
SOUTH ROADWAY

DESIGNED BY: M.K.A.
DRAWN BY: T.F.B.
CHECKED BY: [Blank]
SUBMITTED BY: A. GOODSON
DATE: FEB. 1998
PLOT SCALE: 20
PLOT DATE: 2/20/98
FILE NO.: H-4-44955
SOLICITATION NO.: DACW29-98-B-0065
DWG. 6 OF 68

AS BUILT

Safety is a Part of Your Contract

LEGEND OF CONSTRUCTION NOTES

- 1 4" MOUNTABLE CURB
- 2 8" BARRIER CURB
- 3 6" BARRIER CURB
- 4 4" THICK CONCRETE SIDEWALK
- 5 5' TRANSITION BARRIER TO MOUNTABLE
- 6 LIGHT STANDARD TO BE RELOCATED BY ENTRY
- 7 ADJUST EXISTING DRAIN STRUCTURE TO GRADE

SOUTH SIDE VERTICAL CURVE DATA

MEDIAN GUTTER	
P.V.I. NO.	③
P.V.I. STA.	108+40.00
P.V.I. ELEV.	-4.017
V.C. LENGTH	260'
g_1	-4.35%
g_2	-0.23%

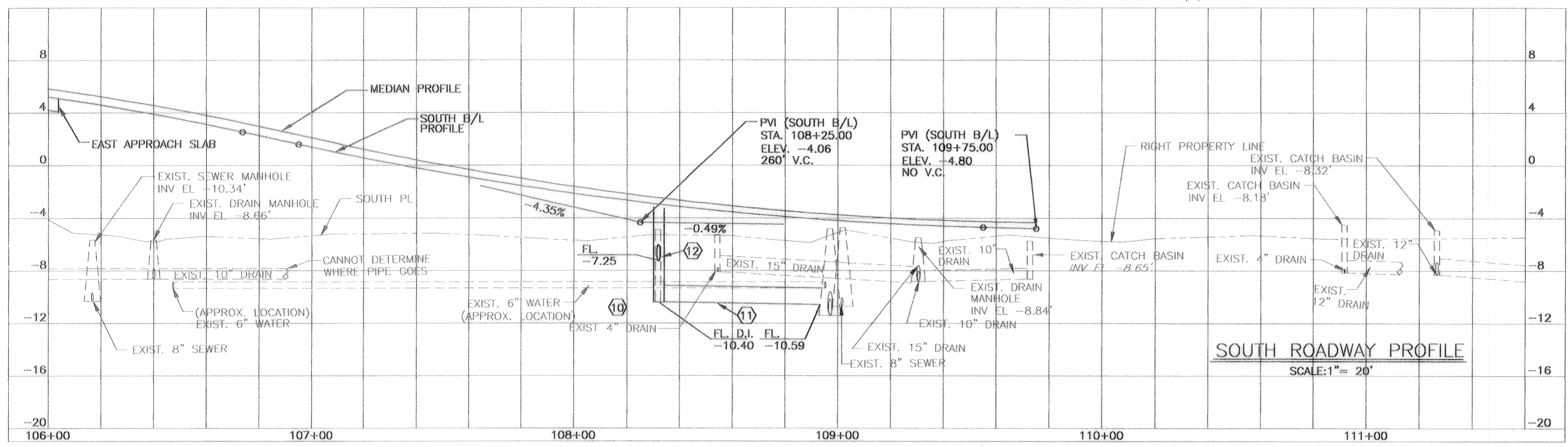
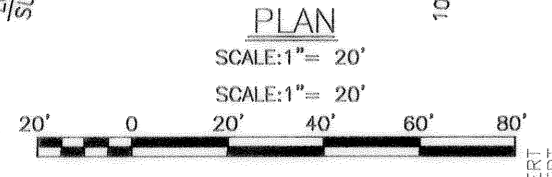
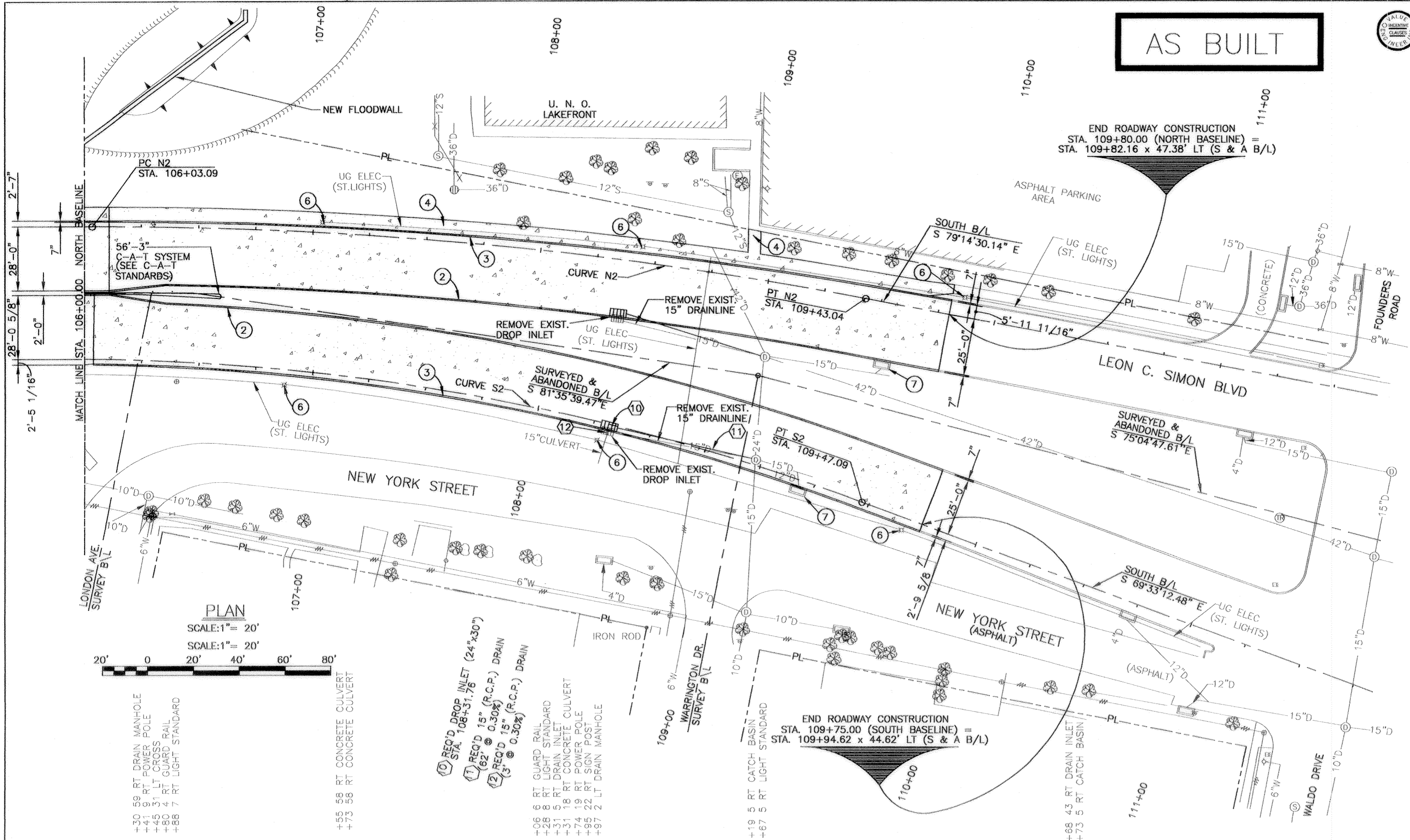
HORIZONTAL CURVE DATA

MAJOR CURVE DATA		
CURVE No.	CURVE N2	CURVE S2
P.I. STA.	107+73.57	107+70.37
R	1806.00 ft.	1000.00 ft.
L	339.95 ft.	357.28 ft.
Δ	10°47'06.27"	20°28'14.07"
T	170.48 ft.	180.56 ft.
D	03°10'21.09"	05°43'46.48"

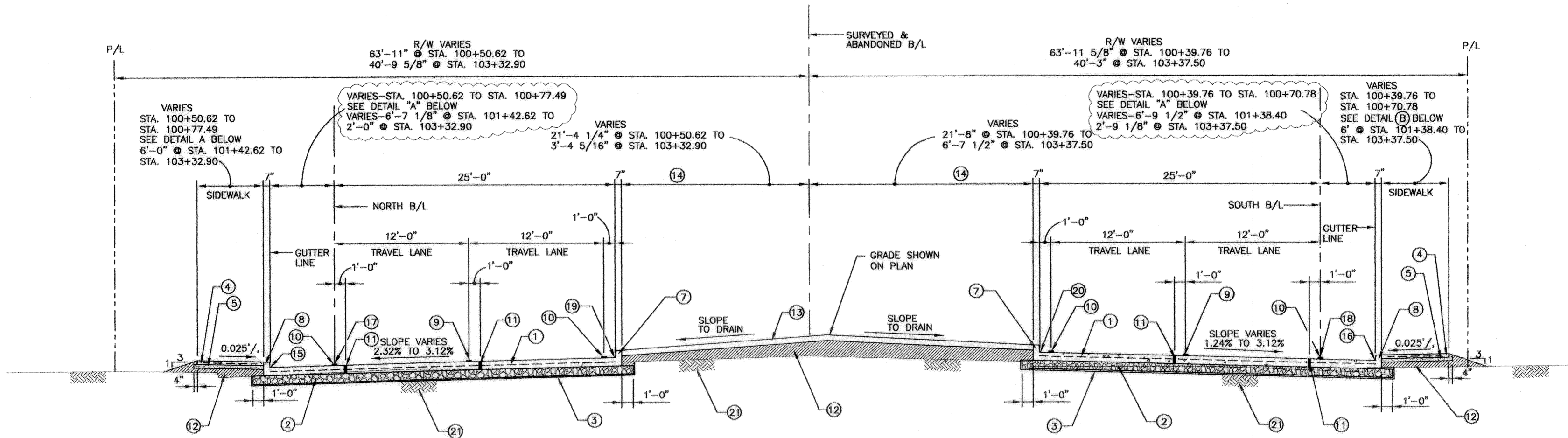
NOTES

1. ADJUST TOPS OF ALL EXISTING MANHOLES, CLEANOUTS, WATER METER BOXES, WITHIN NEWLY PAVED AREA TO NEW GRADE.
2. SEE DWGS. 13 AND 14 FOR GEOMETRIC LAYOUT.
3. SEE DWGS. 24 AND 25 FOR UTILITY RELOCATION.
4. SEE DWGS. 19 AND 20 FOR DEMOLITION PLAN.
5. SEE DWGS. 15 AND 16 FOR JOINT LAYOUT PLAN.
6. SEE DWGS. 17 AND 18 FOR GRADING PLAN.
7. SEE DWGS. 4 AND 5 FOR DRAINAGE ON NORTH SIDE OF LEON C. SIMON BLVD.
8. SEE DWG. 2 & 3 FOR GENERAL NOTES & LEGEND.
9. PROVIDE DEPRESSED CURBS AT ALL DRIVEWAYS UNLESS OTHERWISE INDICATED.
10. ALL STORM DRAIN PIPES SHALL BE REINFORCED CONCRETE UNLESS OTHERWISE NOTED.
11. ALL SIGNS IN CONFLICT WITH WORK SHALL BE STORED IN STAGING AREA AND RELOCATED TO LOCATION DETERMINED BY THE CONTRACTING OFFICER.
12. SEE LADOTD GUARD RAIL STANDARD DETAILS.

REFERENCE BENCH MARK:
 P153 ELEVATION: 11.27' NGVD (1964 EPOCH)
 P153 ELEVATION: 10.39' NGVD (1991 EPOCH)
 AA190 ELEVATION: -3.64' NGVD (1991 EPOCH)



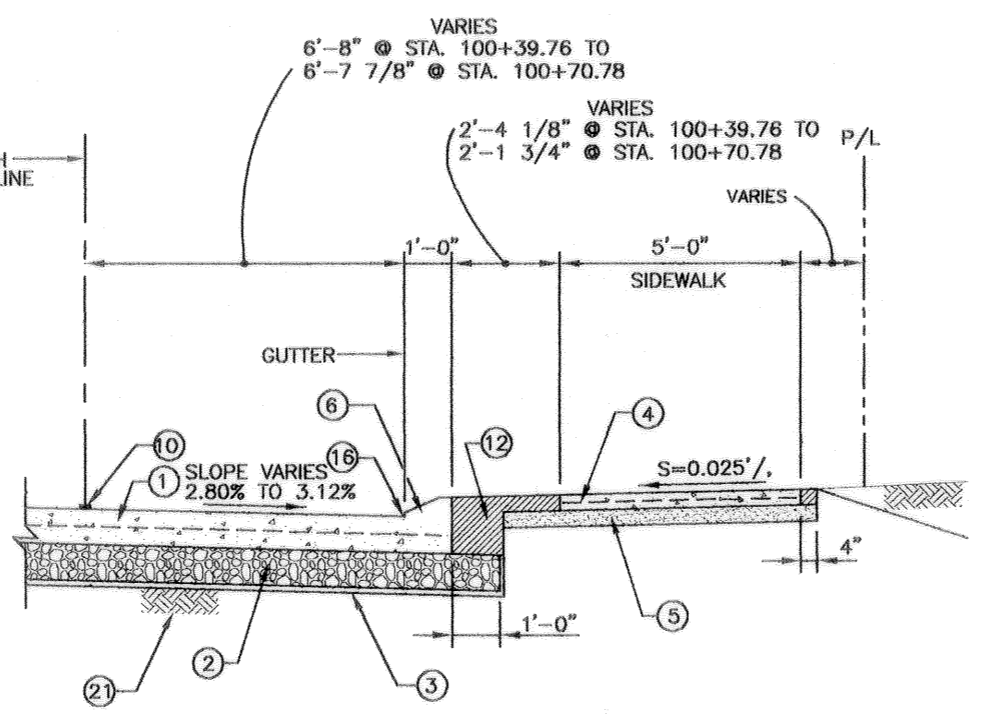
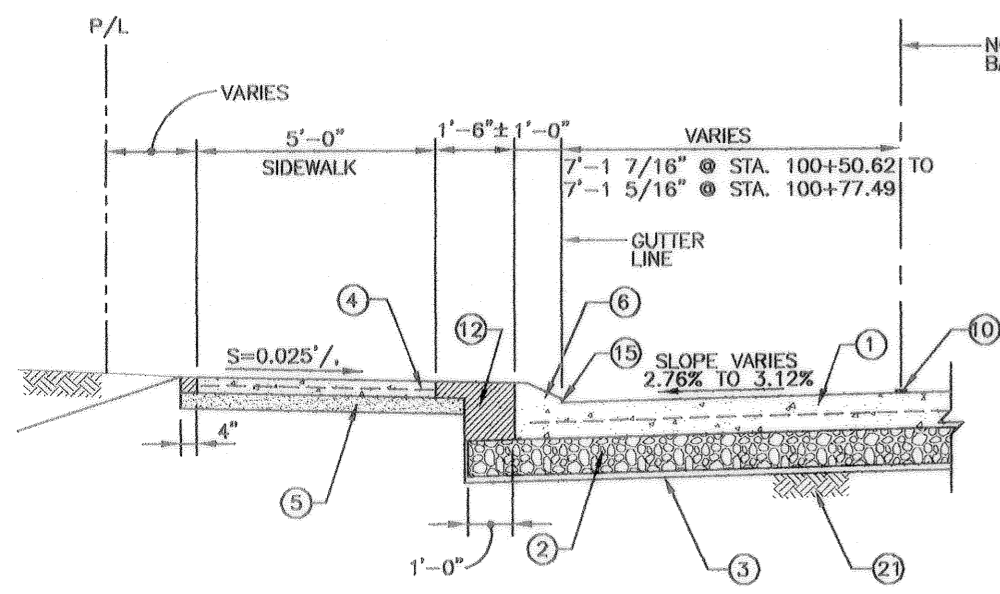
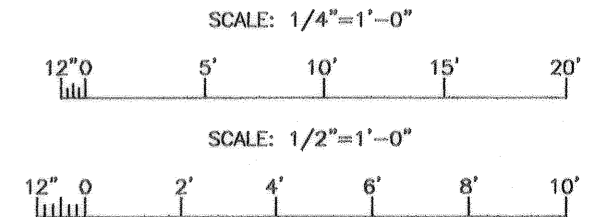
SYMBOL	DESCRIPTION	DATE	APPROVED
REVISIONS			
U.S. ARMY ENGINEER DISTRICT, NEW ORLEANS CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA			
BOARD OF LEVEE COMMISSIONERS ORLEANS LEVEE DISTRICT NEW ORLEANS, LOUISIANA			
LINFIELD, HUNTER & JUNIUS, INC. CONSULTING ENGINEERS AND ARCHITECTS 3500 North Causeway Blvd., Suite 300 Metairie, Louisiana 70002			
LAKE PONCHARTRAIN, LA. AND VICINITY HIGH LEVEL PLAN LONDON AVE. OUTFALL CANAL, PARALLEL PROTECTION FLOODPROOFING OF LEON C. SIMON BLVD. BRIDGES ORLEANS PARISH, LOUISIANA			
PLAN AND PROFILE SOUTH ROADWAY			
DESIGNED BY: MKA	DATE: FEB. 1998	PLOT SCALE: 20	PLOT DATE: 2/20/98
DRAWN BY: TFB	CADD FILE: 44732BJK.DGN	FILE NO. H-4-44955	
CHECKED BY: SJG	SUBMITTED BY: A. GOODSON	SOLICITATION NO. DACW29-98-B-0065	DWG. 7 OF 68



TYPICAL SECTION - LEON C. SIMON BLVD.
 STA. 100+50.62 TO STA. 103+32.90 (NORTH B/L)
 STA. 100+39.76 TO STA. 103+37.50 (SOUTH B/L)
 SCALE: 1/4"=1'-0"

LEGEND

- ① 9" CONCRETE WITH 6X12 W7.5XW6.5 WELDED WIRE FABRIC
- ② 9" CRUSHED STONE OR CRUSHED CONCRETE BASE COURSE
- ③ GEOTEXTILE FABRIC
- ④ 4" CONCRETE SIDEWALK WITH 6X6 W2.9XW2.9 WELDED WIRE FABRIC (WHERE SHOWN ON PLAN)
- ⑤ 4" GRANULAR BASE (6" UNDER DRIVEWAYS)
- ⑥ 4" MOUNTABLE CURB, STA. 100+52.62 TO STA. 100+77.49 (NORTH B/L), STA. 100+39.76 TO STA. 100+70.78 (SOUTH B/L)
- ⑦ 8" BARRIER CURB
- ⑧ 6" BARRIER CURB, STA. 101+42.62 TO STA. 103+32.90 (NORTH B/L), STA. 101+38.40 TO STA. 103+37.50 (SOUTH B/L)
- ⑨ PAVEMENT STRIPING AND REFLECTORIZED MARKERS (SEE STRIPING PLAN)
- ⑩ PAVEMENT STRIPING (SEE STRIPING PLAN)
- ⑪ LONGITUDINAL CONSTRUCTION JOINT
- ⑫ EMBANKMENT AS REQ'D TO ACHIEVE NEW ELEVATIONS
- ⑬ 6" OF TOP SOIL
- ⑭ LIMITS OF SEEDING AND FERTILIZING
- ⑮ GRADE @ NORTH GUTTER
- ⑯ GRADE @ SOUTH GUTTER
- ⑰ PROFILE GRADE @ NORTH B/L
- ⑱ PROFILE GRADE @ SOUTH B/L
- ⑲ PROFILE GRADE @ NORTH MEDIAN
- ⑳ PROFILE GRADE @ SOUTH MEDIAN
- ㉑ SUBGRADE



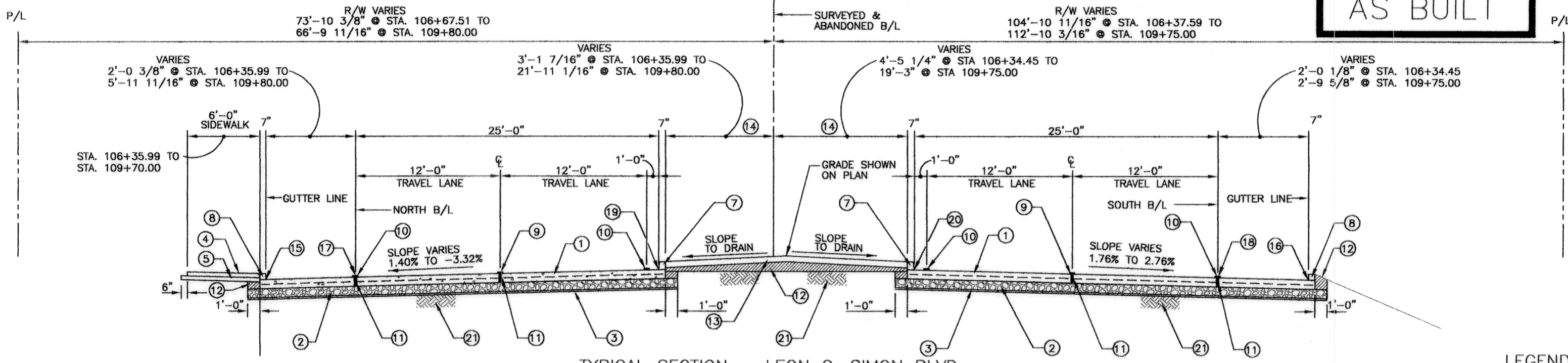
DETAIL A - SIDEWALK DETAIL
 STA. 100+50.62 TO STA. 100+77.49 (NORTH B/L)
 SCALE: 1/2"=1'-0"

DETAIL B - SIDEWALK DETAIL
 STA. 100+39.76 TO STA. 100+70.78 (SOUTH B/L)
 SCALE: 1/2"=1'-0"

SYMBOL	DESCRIPTION	DATE	APPROVED
REVISIONS			
U.S. ARMY ENGINEER DISTRICT, NEW ORLEANS CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA			
BOARD OF LEVEE COMMISSIONERS ORLEANS LEVEE DISTRICT NEW ORLEANS, LOUISIANA		LINFIELD, HUNTER & JUNIUS, INC. CONSULTING ENGINEERS AND ARCHITECTS 3500 North Causeway Blvd, Suite 200 Metairie, Louisiana 70002	
LAKE PONTCHARTRAIN, LA. AND VICINITY HIGH LEVEL PLAN LONDON AVE. OUTFALL CANAL, PARALLEL PROTECTION FLOODPROOFING OF LEON C. SIMON BLVD. BRIDGE ORLEANS PARISH, LOUISIANA			
TYPICAL ROADWAY SECTIONS			
DESIGNED BY: M.K.A.	DATE: FEB. 1998	PLOT SCALE: 4	PLOT DATE: 2/20/98
DRAWN BY: T.F.B.	CHECKED BY: S.J.G.	CADD FILE: 44732RLK.DGN	FILE NO. H-4-44955
SUBMITTED BY: A. GOODSON DESIGN ENGINEER	SOLICITATION NO. DACW29-98-B-0065	DWG. 8 OF 68	

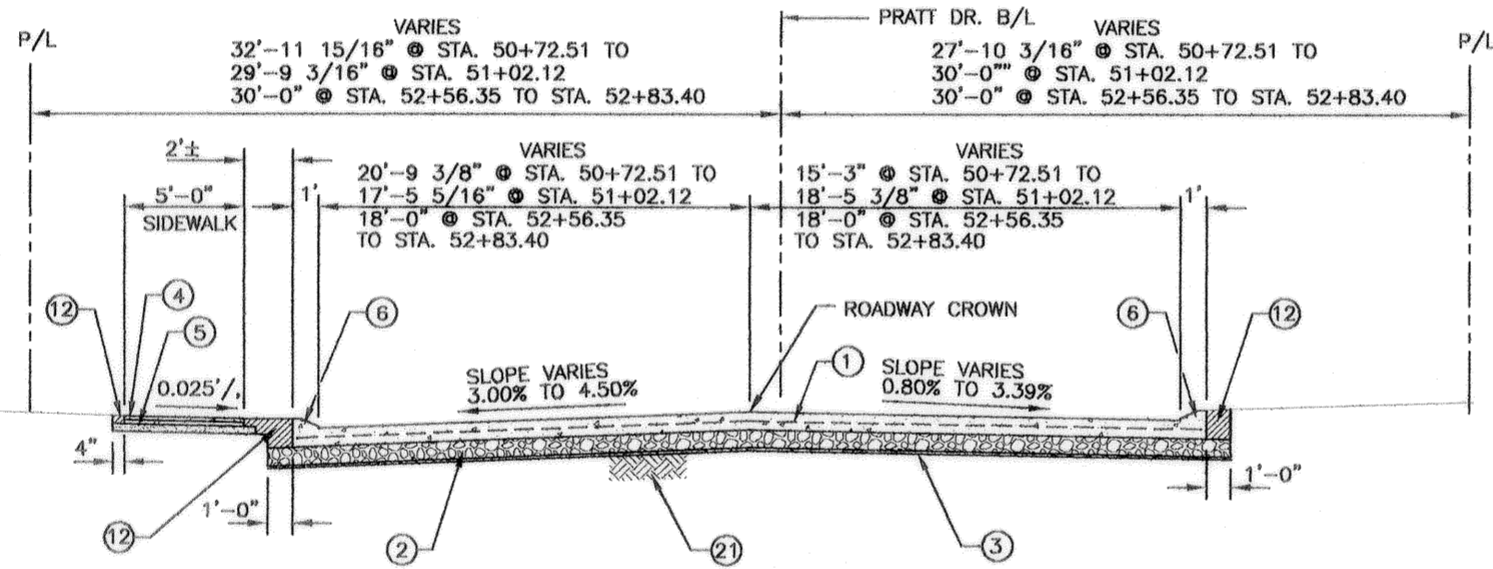
AS BUILT

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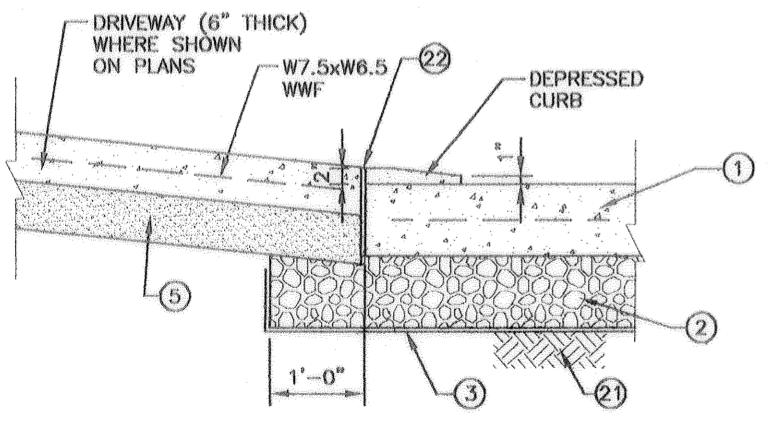
TYPICAL SECTION - LEON C. SIMON BLVD.

STA. 106+35.99 TO 109+80.00 (NORTH B/L)
 STA. 106+34.45 TO 109+75.00 (SOUTH B/L)
 SCALE: 1/4"=1'-0"



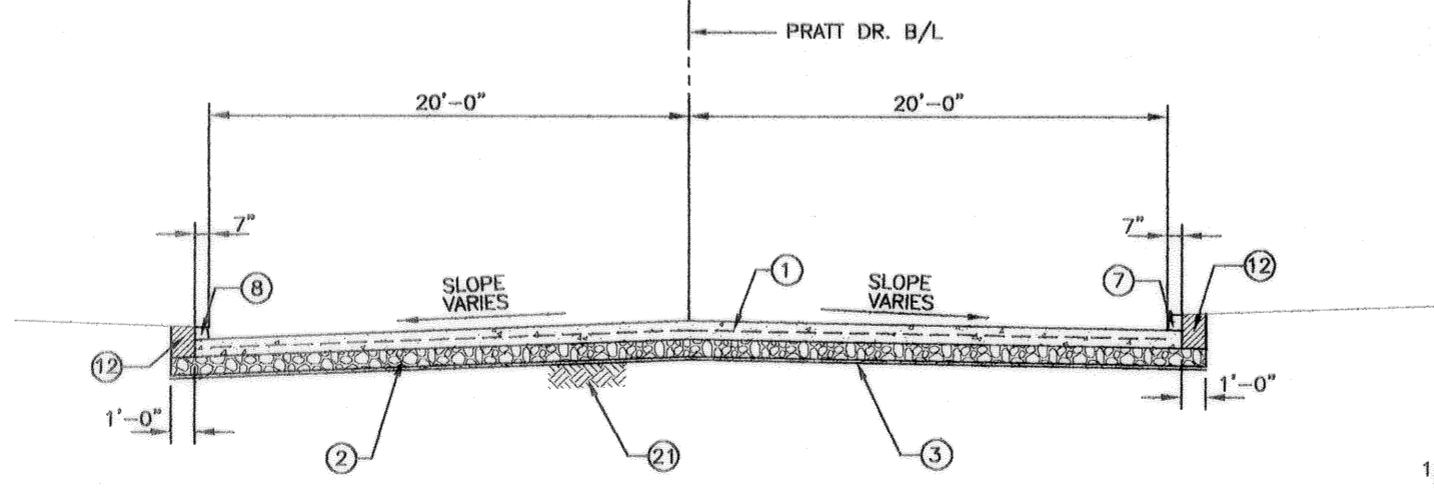
TYPICAL SECTION - PRATT DR.

STA. 50+72.51 TO STA. 51+02.12 (PRATT DR. B/L)
 STA. 52+56.35 TO STA. 52+83.40 (PRATT DR. B/L)
 SCALE: 1/4"=1'-0"



TYPICAL DRIVEWAY SECTION

SCALE: 1"=1'-0"

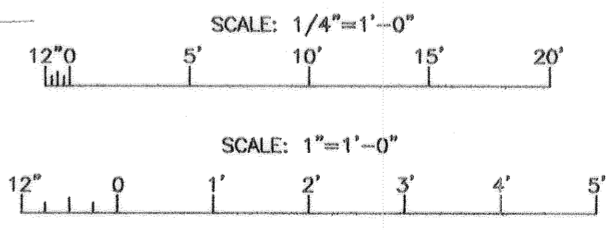


TYPICAL SECTION - PRATT DR.

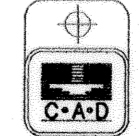
STA. 51+77.22 TO STA. 51+85.09 (PRATT DR. B/L)
 SCALE: 1/4"=1'-0"

LEGEND

- ① 9" CONCRETE WITH 6X12 W7.5xW6.5 WELDED WIRE FABRIC
- ② 9" CRUSHED STONE OR CRUSHED CONCRETE BASE COURSE
- ③ GEOTEXTILE FABRIC
- ④ 4" CONCRETE SIDEWALK WITH 6x6 W2.9xW2.9 WELDED WIRE FABRIC (WHERE SHOWN ON PLAN)
- ⑤ 4" GRANULAR BASE (6" UNDER DRIVEWAYS)
- ⑥ 4" MOUNTABLE CURB
- ⑦ 8" BARRIER CURB
- ⑧ 6" BARRIER CURB
- ⑨ PAVEMENT STRIPING AND REFLECTORIZED MARKERS (SEE STRIPING PLAN)
- ⑩ PAVEMENT STRIPING (SEE STRIPING PLAN)
- ⑪ LONGITUDINAL CONSTRUCTION JOINT
- ⑫ EMBANKMENT AS REQ'D TO ACHIEVE NEW ELEVATIONS. FERTILIZE AND SEED NEW FILL.
- ⑬ 6" OF TOP SOIL
- ⑭ LIMITS OF SEEDING AND FERTILIZING
- ⑮ GRADE @ NORTH GUTTER
- ⑯ GRADE @ SOUTH GUTTER
- ⑰ PROFILE GRADE @ NORTH B/L
- ⑱ PROFILE GRADE @ SOUTH B/L
- ⑲ PROFILE GRADE @ NORTH MEDIAN
- ⑳ PROFILE GRADE @ SOUTH MEDIAN
- ㉑ SUBGRADE
- ㉒ 1/2" PREFORMED JOINT MATERIAL

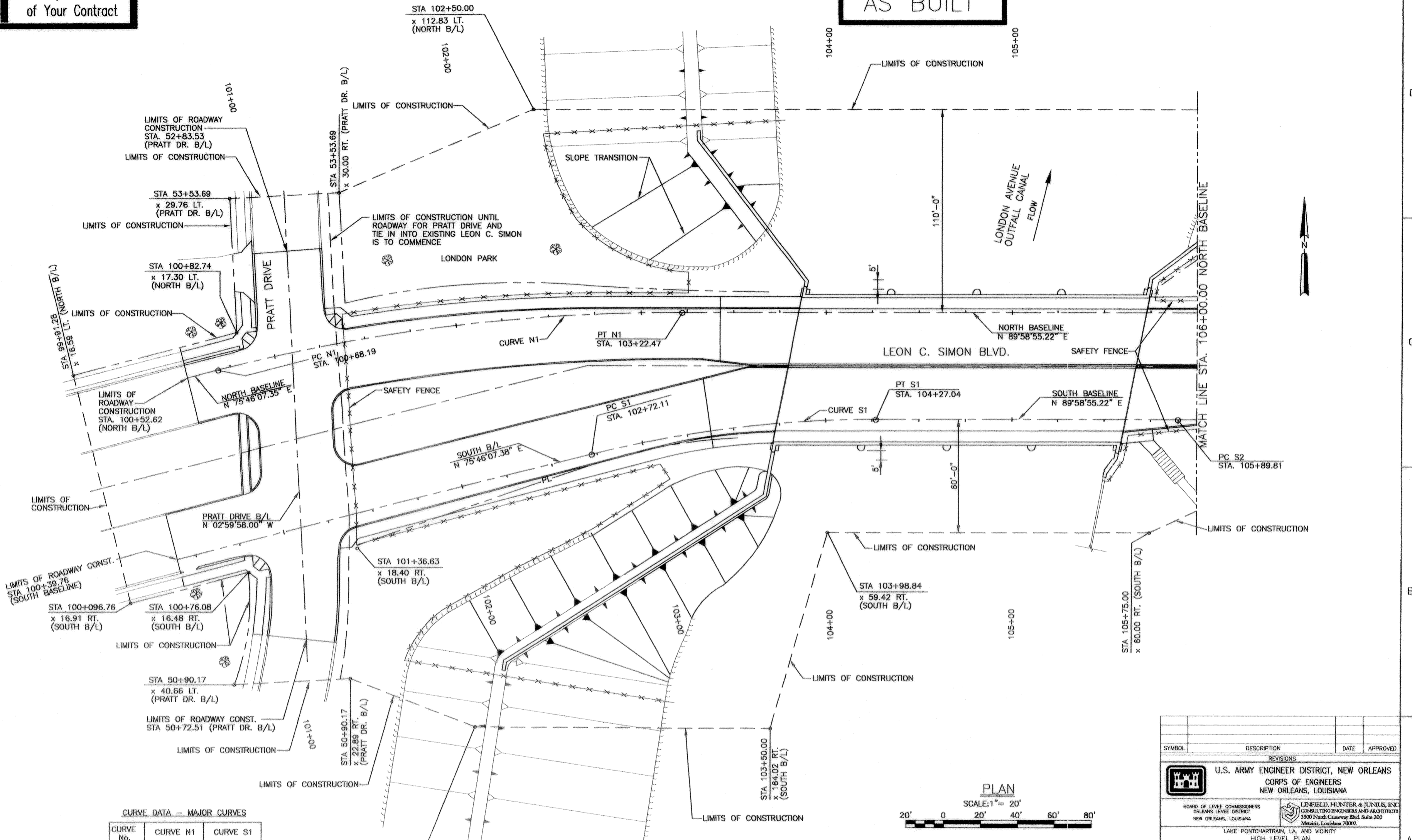


SYMBOL	DESCRIPTION	DATE	APPROVED
REVISIONS			
U.S. ARMY ENGINEER DISTRICT, NEW ORLEANS CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA			
BOARD OF LEVEE COMMISSIONERS ORLEANS LEVEE DISTRICT NEW ORLEANS, LOUISIANA		LINFIELD, HUNTER & JUNIUS, INC. CONSULTING ENGINEERS AND ARCHITECTS 3500 North Causeway Blvd. Suite 200 Metairie, Louisiana 70002	
LAKE PONCHARTRAIN, LA. AND VICINITY HIGH LEVEL PLAN LONDON AVE. OUTFALL CANAL, PARALLEL PROTECTION FLOODPROOFING OF LEON C. SIMON BLVD. BRIDGE ORLEANS PARISH, LOUISIANA			
TYPICAL ROADWAY SECTIONS			
DESIGNED BY: M.K.A.	DATE: FEB. 1998	PLOT SCALE: 4	PLOT DATE: 2/20/98
DRAWN BY: T.F.B.	CADD FILE: 447328UC.DGN	FILE NO. H-4-44955	
CHECKED BY: S.J.G.	SOLICITATION NO. DACW29-98-B-0065	DWG. 9 OF 68	
SUBMITTED BY: A. GOODSON DESIGN ENGINEER			



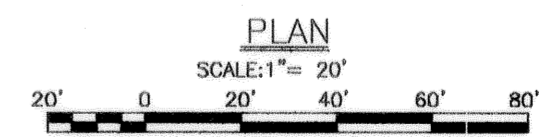
Safety is a Part
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CURVE DATA - MAJOR CURVES

CURVE No.	CURVE N1	CURVE S1
P.I. STA.	101+95.98	103+50.09
Δ	14°13'15.27"	14°13'25.26"
D	05°35'33.22"	9°10'02.37"
R	1024.50 ft.	625.00 ft.
L	254.28 ft.	155.16 ft.
T	127.79 ft.	77.98 ft.

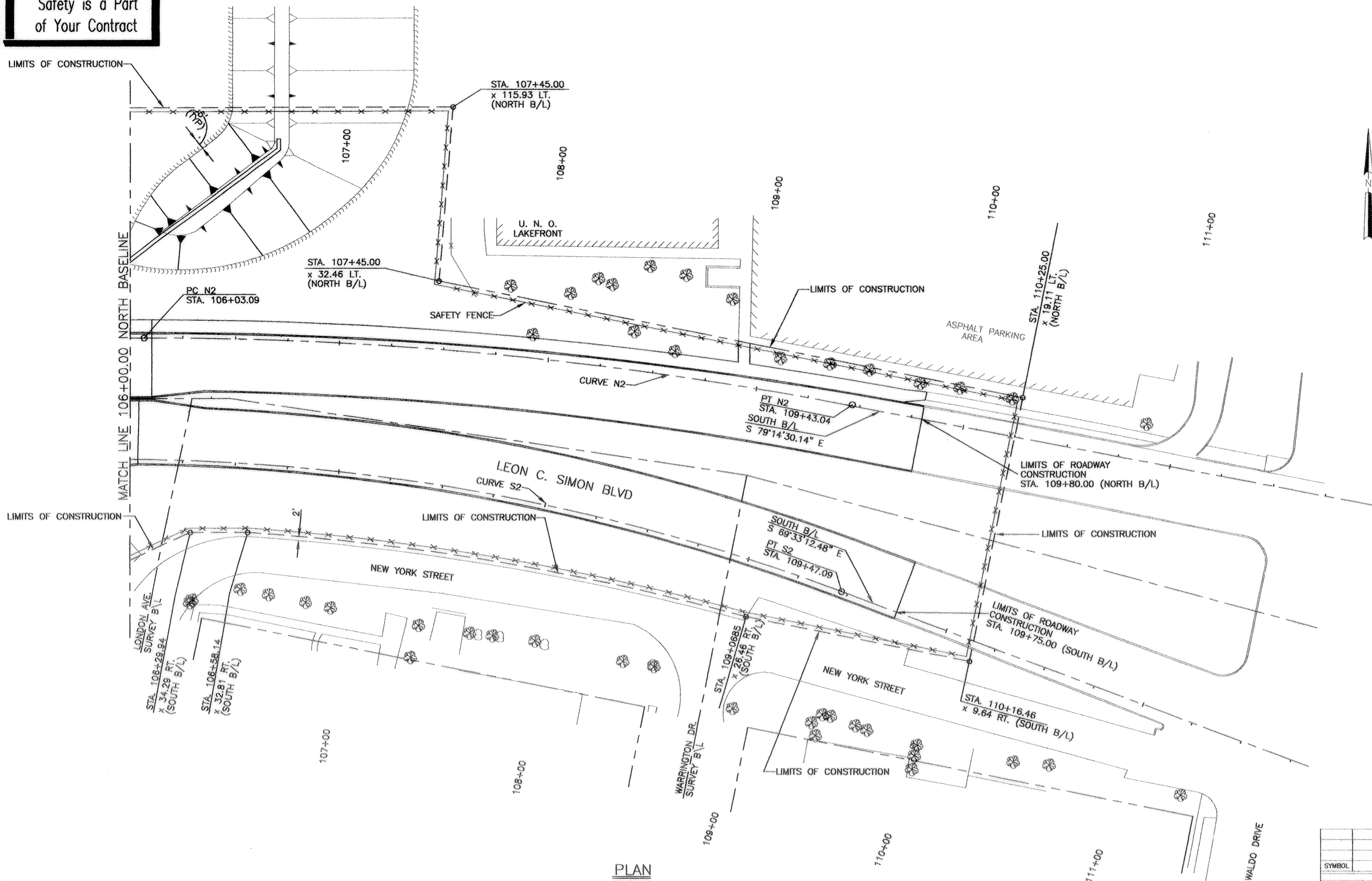


SYMBOL	DESCRIPTION	DATE	APPROVED
REVISIONS			
U.S. ARMY ENGINEER DISTRICT, NEW ORLEANS CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA			
<small>BOARD OF LEVEE COMMISSIONERS ORLEANS LEVEE DISTRICT NEW ORLEANS, LOUISIANA</small>		<small>LINFIELD, HUNTER & JUNIUS, INC. CONSULTING ENGINEERS AND ARCHITECTS 3500 North Causeway Blvd., Suite 200 Metairie, Louisiana 70002</small>	
LAKE PONTCHARTRAIN, LA. AND VICINITY HIGH LEVEL PLAN LONDON AVE. OUTFALL CANAL, PARALLEL PROTECTION FLOODPROOFING OF LEON C. SIMON BLVD. BRIDGE ORLEANS PARISH, LOUISIANA CONSTRUCTION EASEMENT & RIGHT-OF-WAY PLAN			
DESIGNED BY: M.K.A.	DATE: FEB. 1998	PLOT SCALE: 20	PLOT DATE: 2/20/98
DRAWN BY: T.F.B.	CHECKED BY: S.J.G.	CADD FILE: 447328LK.DGN	FILE NO. H-4-44955
SUBMITTED BY: A. GOODRICH	SOLICITATION NO. DACW29-98-B-0065	DWG. 10 OF 68	



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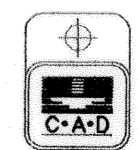
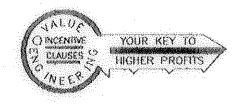
AS BUILT



CURVE DATA - MAJOR CURVES

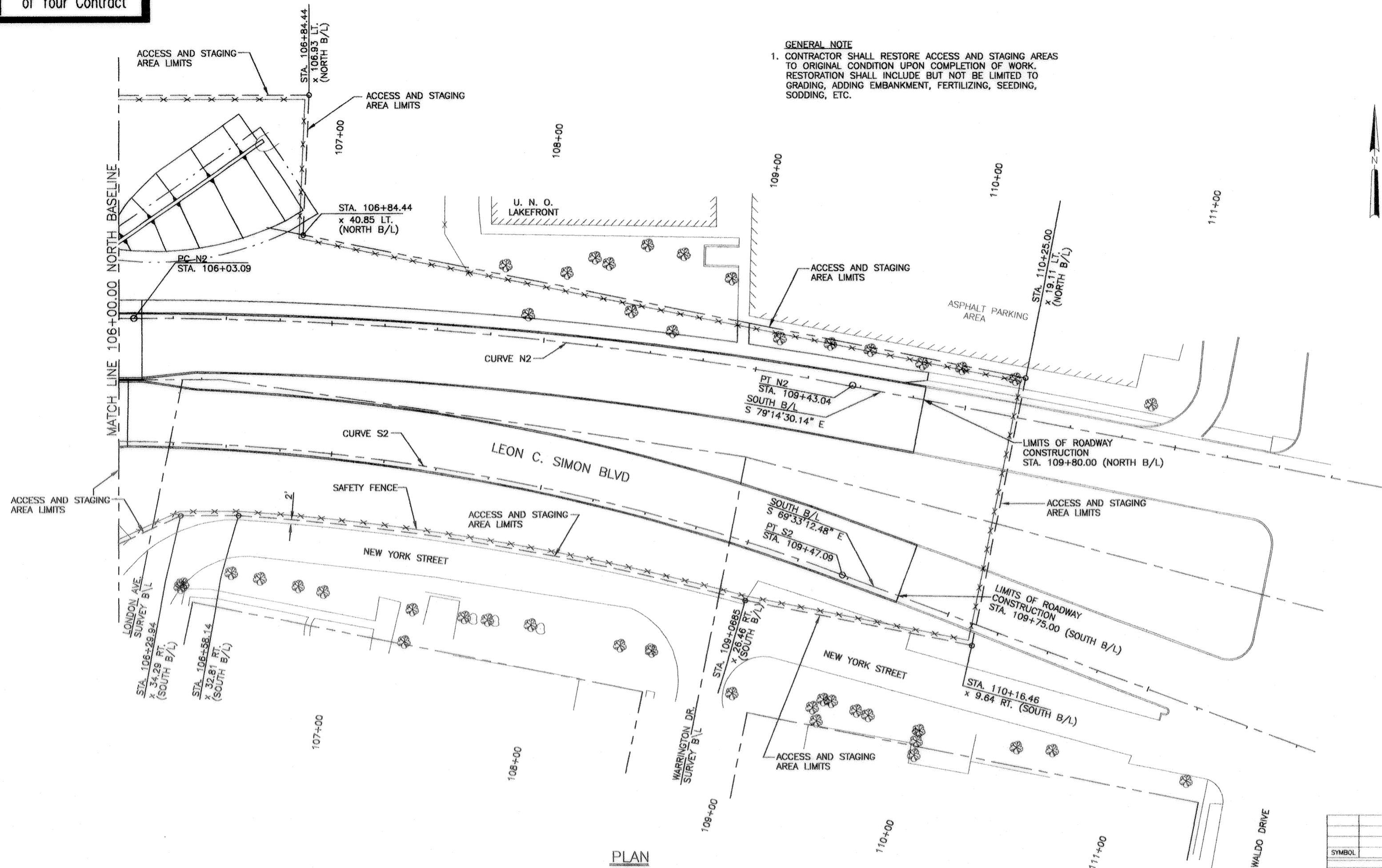
CURVE No.	CURVE N2	CURVE S2
P.I. STA.	107+73.57	107+70.37
Δ	10°47'06.27"	20°28'14.07"
D	03°10'21.09"	05°43'46.48"
R	1806.00 ft.	1000.00 ft.
L	339.95 ft.	357.28 ft.
T	170.48 ft.	180.56 ft.

SYMBOL	DESCRIPTION	DATE	APPROVED
REVISIONS			
U.S. ARMY ENGINEER DISTRICT, NEW ORLEANS CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA			
<small>BOARD OF LEVEE COMMISSIONERS ORLEANS LEVEE DISTRICT NEW ORLEANS, LOUISIANA</small>		<small>LINFIELD, HUNTER & JUNIUS, INC. CONSULTING ENGINEERS AND ARCHITECTS 3500 North Causeway Blvd, Suite 200 Metairie, Louisiana 70002</small>	
LAKE PONTCHARTRAIN, LA. AND VICINITY HIGH LEVEL PLAN LONDON AVE. OUTFALL CANAL, PARALLEL PROTECTION FLOODPROOFING OF LEON C. SIMON BLVD. BRIDGE ORLEANS PARISH, LOUISIANA CONSTRUCTION EASEMENT & RIGHT-OF-WAY PLAN			
DESIGNED BY: M.K.A.	DATE: FEB. 1998	PLOT SCALE: 20	PLOT DATE: 2/20/98
DRAWN BY: T.F.B.	CHECKED BY: S.J.G.	CADD FILE: 447326L.DGN	FILE NO. H-4-44955
SUBMITTED BY: A. GODDARD DESIGN ENGINEER	SOLICITATION NO. DACW29-98-B-0065	DWG. 11 OF 68	



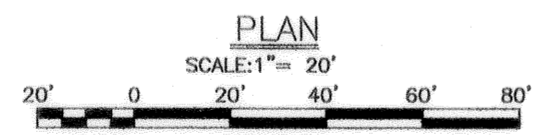
GENERAL NOTE

- CONTRACTOR SHALL RESTORE ACCESS AND STAGING AREAS TO ORIGINAL CONDITION UPON COMPLETION OF WORK. RESTORATION SHALL INCLUDE BUT NOT BE LIMITED TO GRADING, ADDING EMBANKMENT, FERTILIZING, SEEDING, SODDING, ETC.

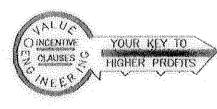


CURVE DATA - MAJOR CURVES

CURVE No.	CURVE N2	CURVE S2
P.I. STA.	107+73.57	107+70.37
Δ	10°47'06.27"	20°28'14.07"
D	03°10'21.09"	05°43'46.48"
R	1806.00 ft.	1000.00 ft.
L	339.95 ft.	357.28 ft.
T	170.48 ft.	180.56 ft.



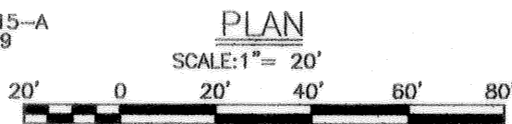
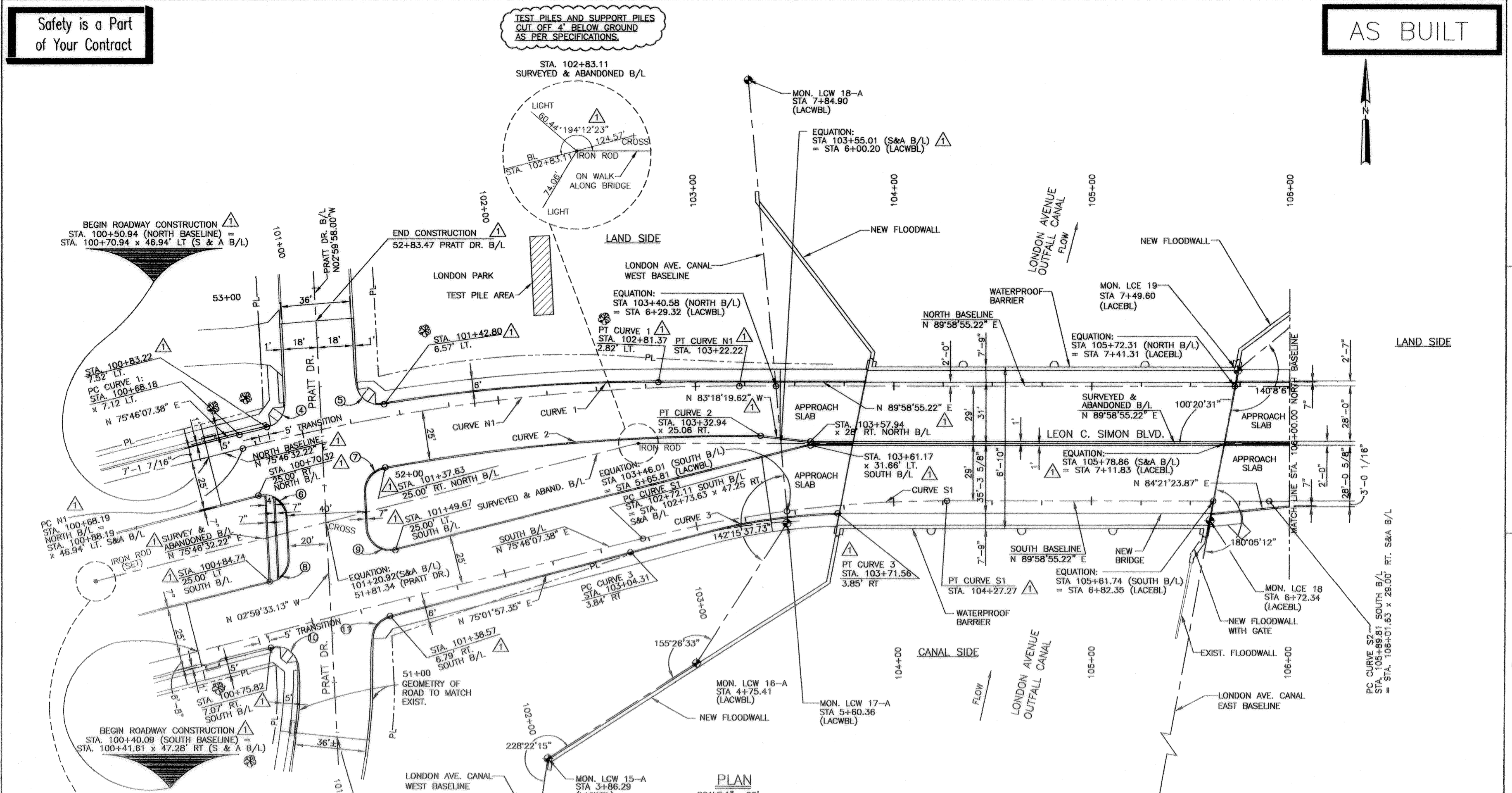
SYMBOL	DESCRIPTION	DATE	APPROVED
REVISIONS			
U.S. ARMY ENGINEER DISTRICT, NEW ORLEANS CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA			
BOARD OF LEVEE COMMISSIONERS ORLEANS LEVEE DISTRICT NEW ORLEANS, LOUISIANA		LINFIELD HUNTER & JUNIUS, INC. CONSULTING ENGINEERS AND ARCHITECTS 3500 North Canaway Blvd. Suite 200 Metairie, Louisiana 70002	
LAKE PONTCHARTRAIN, LA. AND VICINITY HIGH LEVEL PLAN LONDON AVE. OUTFALL CANAL, PARALLEL PROTECTION FLOODPROOFING OF LEON C. SIMON BLVD. BRIDGE ORLEANS PARISH, LOUISIANA			
ACCESS AND STAGING AREA			
DESIGNED BY: M.K.A.	DATE: FEB. 1998	PLOT SCALE: 20	PLOT DATE: 2/20/98
DRAWN BY: T.F.B.	CHECKED BY: S.J.G.	CADD FILE: 44732BLK.DGN	FILE NO. H-4-44955
SUBMITTED BY:	SOLICITATION NO. DACW29-98-B-0065	DWG. 12 OF 68	
A. GOODRION DESIGN ENGINEER			



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TEST PILES AND SUPPORT PILES CUT OFF 4' BELOW GROUND AS PER SPECIFICATIONS.



CURVE DATA - MAJOR CURVES

CURVE No.	CURVE N1	CURVE S1	CURVE 1	CURVE 2	CURVE 3
P.I. STA.	101+95.86	103+50.09	-	-	-
Δ	14°12'23.00"	14°13'25.26"	09°13'59.79"	10°19'23.53"	13°42'18.07"
D	05°35'33.22"	09°10'02.37"	06°37'41.86"	05°43'56.80"	20°14'46.05"
R	1024.50 ft.	625.00 ft.	864.41 ft.	999.50 ft.	283.00 ft.
L	254.02 ft.	155.16 ft.	139.30 ft.	180.08 ft.	67.69 ft.
T	127.67 ft.	77.98 ft.	69.80 ft.	90.29 ft.	34.01 ft.

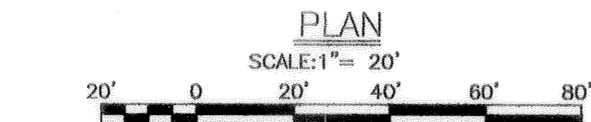
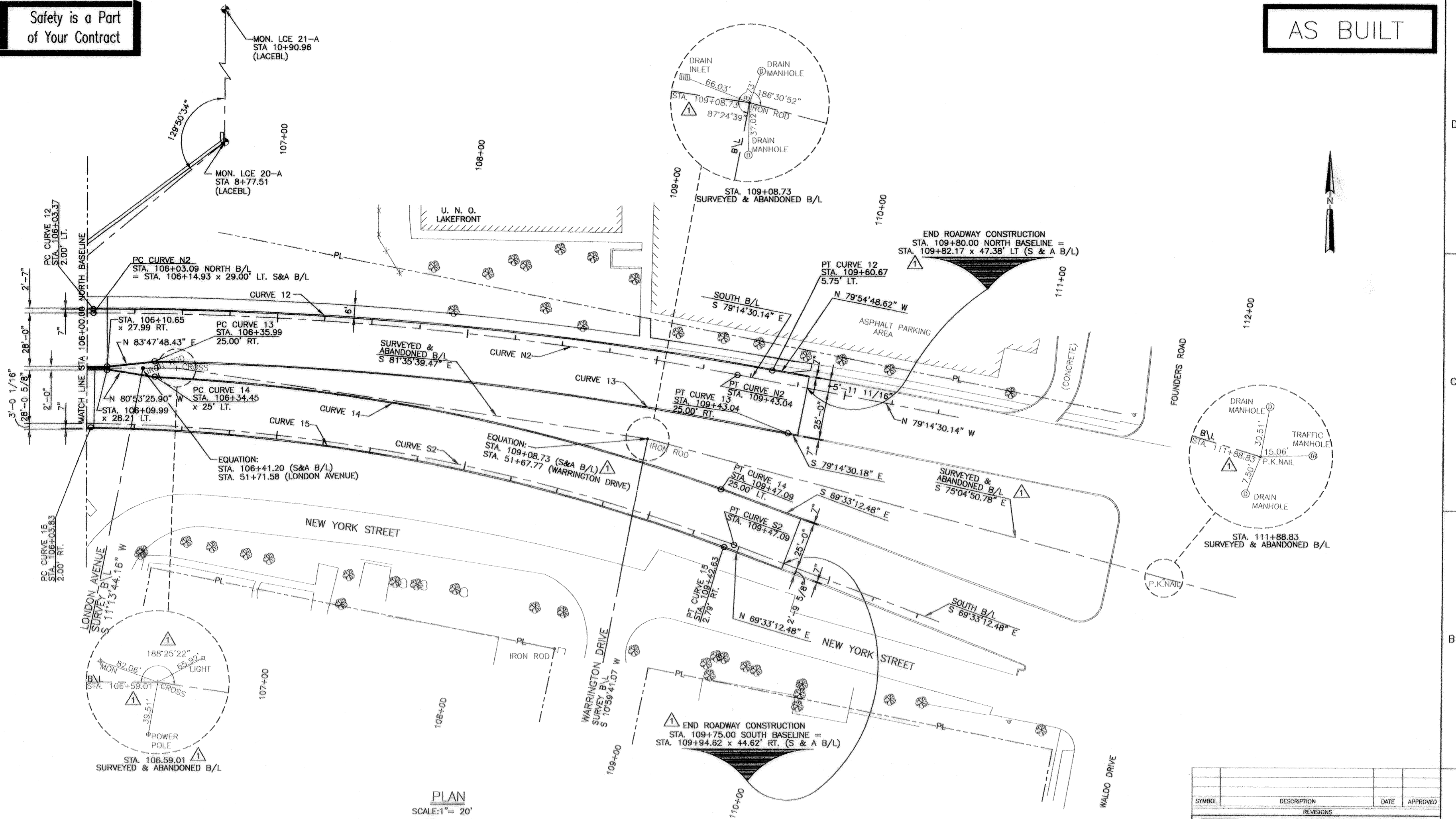
CURVE No.	④	⑤	⑥	⑦	⑧	⑨	⑩	⑪
R	12.0'	12.0'	12.0'	12.0'	12.0'	12.0'	12.0'	12.0'
Δ	78°46'05.38"	96°15'06.58"	101°13'54.65"	82°39'04.82"	78°45'40.50"	101°14'19.50"	104°35'32.01"	75°53'47.52"

SYMBOL	DESCRIPTION	DATE	APPROVED
REVISIONS			
U.S. ARMY ENGINEER DISTRICT, NEW ORLEANS CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA			
BOARD OF LEVEE COMMISSIONERS ORLEANS LEVEE DISTRICT NEW ORLEANS, LOUISIANA		LINFIELD, HUNTER & JUNIUS, INC. CONSULTING ENGINEERS AND ARCHITECTS 3500 North Causeway Blvd. Suite 200 Metairie, Louisiana 70002	
LAKE PONCHARTRAIN, LA. AND VICINITY HIGH LEVEL PLAN LONDON AVE. OUTFALL CANAL, PARALLEL PROTECTION FLOODPROOFING OF LEON C. SIMON BLVD. BRIDGE ORLEANS PARISH, LOUISIANA			
GEOMETRIC LAYOUT			
DESIGNED BY: M.K.A.	DATE: FEB. 1998	PLOT SCALE: 20	PLOT DATE: 2/20/98
DRAWN BY: T.F.B.	CADD FILE: 447328LKDGN	FILE NO. H-4-44955	
CHECKED BY: S.J.G.	SUBMITTED BY: A. GOODSON DESIGN ENGINEER		
SOLICITATION NO. DACW29-98-B-0065		DWG. 13 OF 68	



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CURVE DATA - MAJOR CURVES

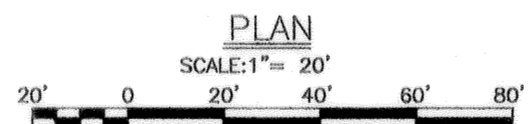
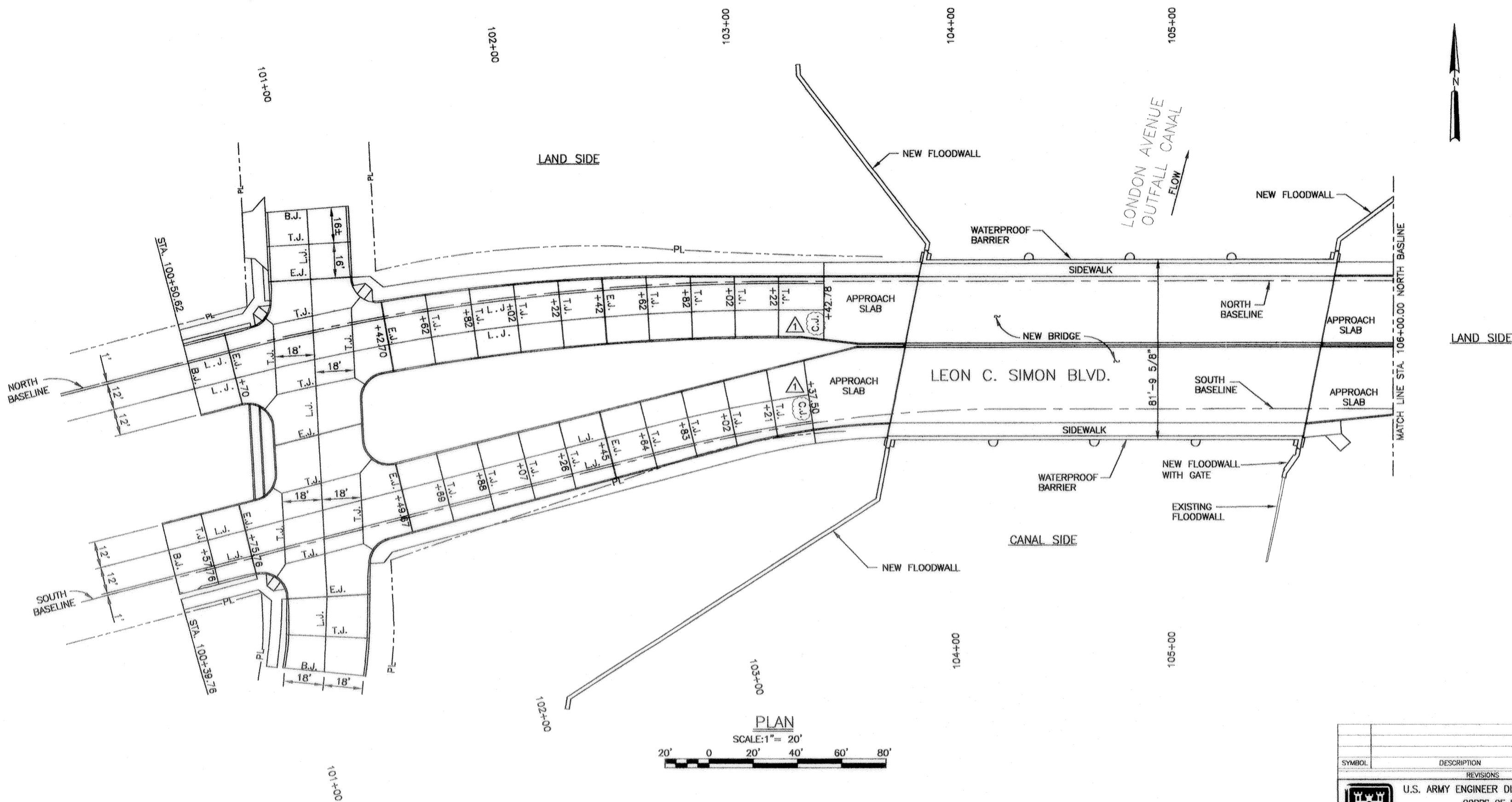
CURVE No.	CURVE N2	CURVE S2	CURVE 12	CURVE 13	CURVE 14	CURVE 15
P.I. STA.	107+73.57	107+70.37	-	-	-	-
Δ	10°47'06.27"	20°28'14.07"	10°06'38.03"	09°44'28.81"	17°54'45.68"	19°39'25.13"
D	03°10'21.09"	05°43'46.48"	02°49'29.15"	03°13'01.40"	05°35'23.40"	05°48'54.44"
R	1806.00 ft.	1000.00 ft.	2028.34 ft.	1781.00 ft.	1025.00 ft.	985.29 ft.
L	339.95 ft.	357.28 ft.	357.93 ft.	302.80 ft.	320.45 ft.	338.03 ft.
T	170.48 ft.	180.56 ft.	179.43 ft.	151.77 ft.	161.54 ft.	170.69 ft.

SYMBOL	DESCRIPTION	DATE	APPROVED
REVISIONS			
U.S. ARMY ENGINEER DISTRICT, NEW ORLEANS CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA			
BOARD OF LEVEE COMMISSIONERS ORLEANS LEVEE DISTRICT NEW ORLEANS, LOUISIANA		LINFIELD, HUNTER & JUNIUS, INC. CONSULTING ENGINEERS AND ARCHITECTS 3500 North Causeway Blvd., Suite 200 Metairie, Louisiana 70002	
LAKE PONTCHARTRAIN, LA. AND VICINITY HIGH LEVEL PLAN LONDON AVE. OUTFALL CANAL, PARALLEL PROTECTION FLOODPROOFING OF LEON C. SIMON BLVD. BRIDGE ORLEANS PARISH, LOUISIANA			
GEOMETRIC LAYOUT			
DESIGNED BY: MKA	DATE: FEB. 1998	PLOT SCALE: 20	PLOT DATE: 2/20/98
DRAWN BY: TFB	CADD FILE: 447328JK.DGN	FILE NO. H-4-44955	
CHECKED BY: SJG	SUBMITTED BY: A. GOODWIN	SOLICITATION NO. DACW29-98-0065	DWG. 14 OF 68



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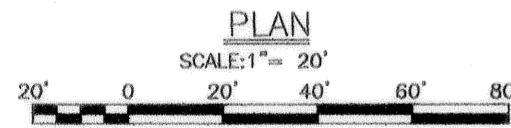
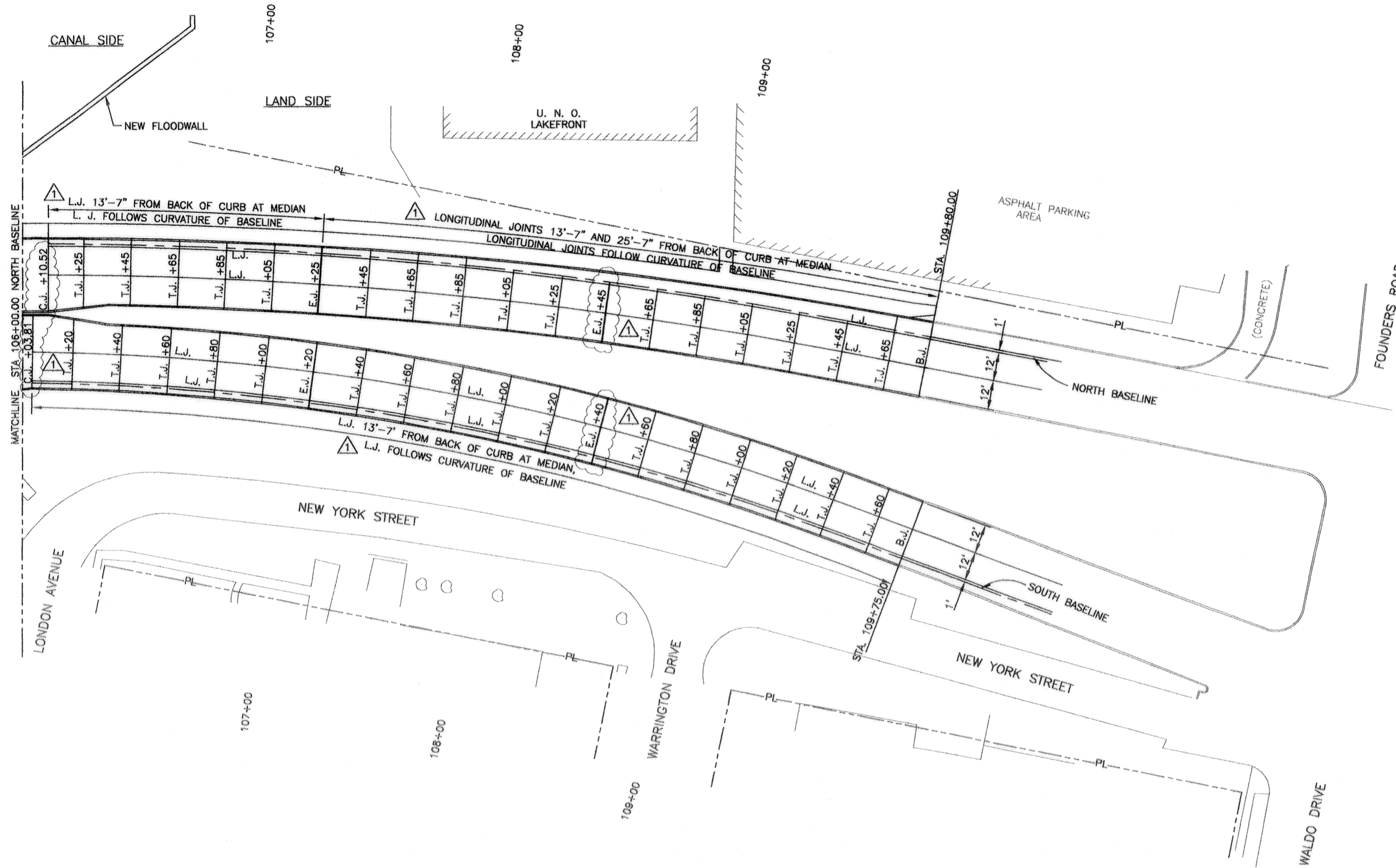
- LEGEND**
- E.J. EXPANSION JOINT
 - T.J. TRANSVERSE JOINT
 - L.J. LONGITUDINAL JOINT
 - B.J. BUTT JOINT

SYMBOL	DESCRIPTION	DATE	APPROVED
REVISIONS			
U.S. ARMY ENGINEER DISTRICT, NEW ORLEANS CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA			
<small>BOARD OF LEVEE COMMISSIONERS ORLEANS LEVEE DISTRICT NEW ORLEANS, LOUISIANA</small>		<small>LINEFIELD, HUNTER & JUNTUS, INC. CONSULTING ENGINEERS AND ARCHITECTS 3500 North Causeway Blvd., Suite 200 Metairie, Louisiana 70002</small>	
LAKE PONTCHARTRAIN, LA. AND VICINITY HIGH LEVEL PLAN LONDON AVE. OUTFALL CANAL, PARALLEL PROTECTION FLOODPROOFING OF LEON C. SIMON BLVD. BRIDGE ORLEANS PARISH, LOUISIANA			
JOINT LAYOUT PLAN			
DESIGNED BY: M.K.A.	DATE: FEB. 1998	PLOT SCALE: 20	PLOT DATE: 2/20/98
DRAWN BY: T.F.B.	CADD FILE: 4473281K.DGN	FILE NO. H-4-44955	
CHECKED BY: S.J.G.	SOLICITATION NO. DACW29-98-B-0065		
SUBMITTED BY: A. GOODSON DESIGN ENGINEER		DWG. 15 OF 88	



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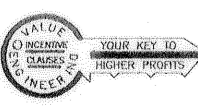
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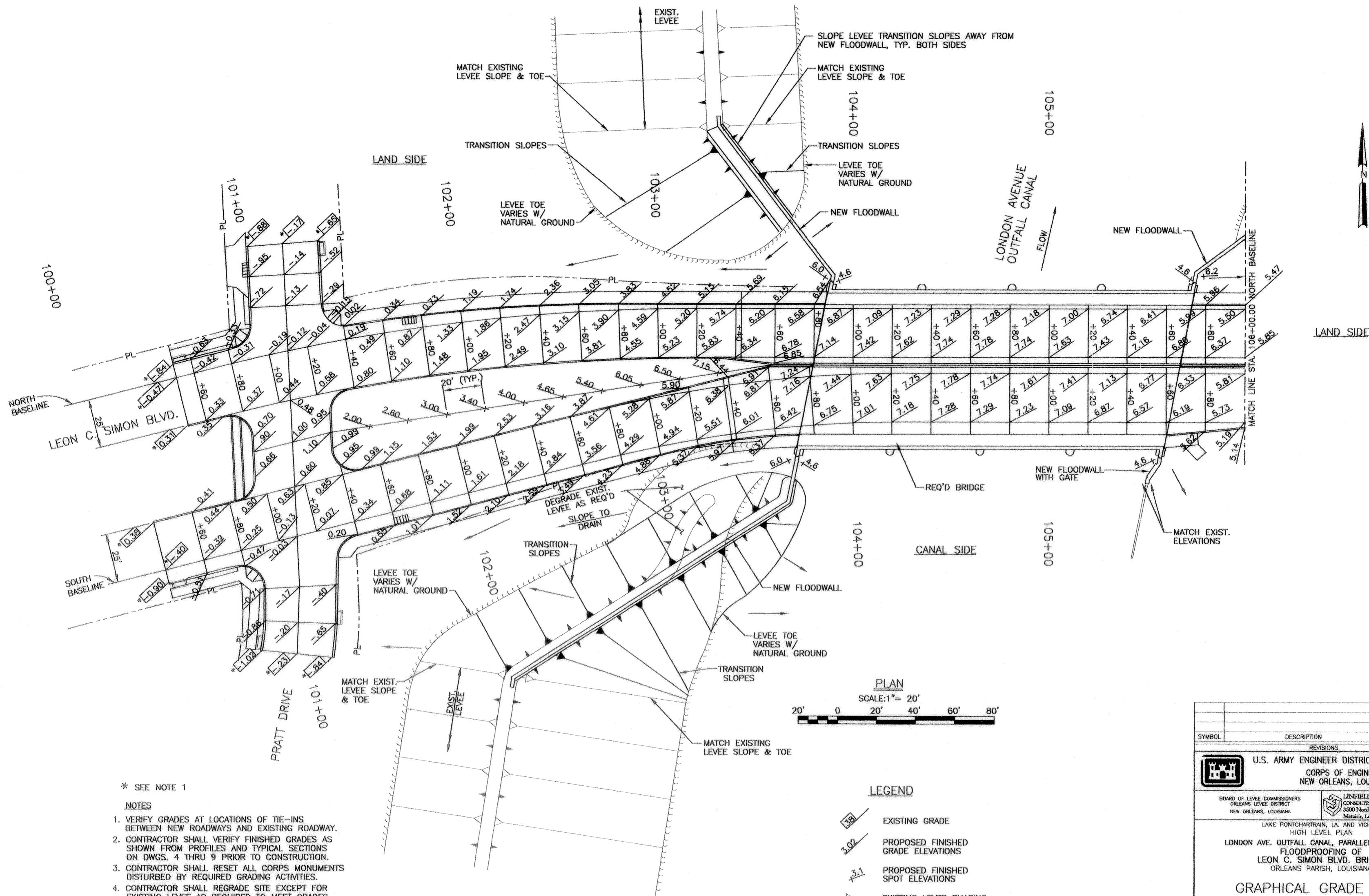


▲ GENERAL NOTE:
SEE DWG. 9 FOR TYPICAL SECTION DETAILS

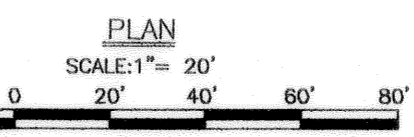
- LEGEND**
- E.J. EXPANSION JOINT
 - T.J. TRANSVERSE JOINT
 - L.J. LONGITUDINAL JOINT
 - B.J. BUTT JOINT

SYMBOL	DESCRIPTION	DATE	APPROVED
REVISIONS			
U.S. ARMY ENGINEER DISTRICT, NEW ORLEANS CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA			
BOARD OF LEVEE COMMISSIONERS ORLEANS LEVEE DISTRICT NEW ORLEANS, LOUISIANA		LINFIELD, HUNTER & JUNGLES, INC. CONSULTING ENGINEERS AND ARCHITECTS 3500 North Causeway Blvd. Suite 200 Metairie, Louisiana 70002	
LAKE PONCHATRRAIN, LA. AND VICINITY HIGH LEVEL PLAN LONDON AVE. OUTFALL CANAL, PARALLEL PROTECTION FLOODPROOFING OF LEON C. SIMON BLVD. BRIDGE ORLEANS PARISH, LOUISIANA			
JOINT LAYOUT PLAN			
DESIGNED BY: MKA	DATE: FEB. 1998	PLOT SCALE: 20	PLOT DATE: 2/20/98
DRAWN BY: YFB	CADD FILE: 44732BLK.DGN	FILE NO. H-4-44955	
CHECKED BY: SJG	SUBMITTED BY: A. GOODSON	SOLICITATION NO. DACW29-98-B-0065	DWG. 16 OF 68





- * SEE NOTE 1
- NOTES**
1. VERIFY GRADES AT LOCATIONS OF TIE-INS BETWEEN NEW ROADWAYS AND EXISTING ROADWAY.
 2. CONTRACTOR SHALL VERIFY FINISHED GRADES AS SHOWN FROM PROFILES AND TYPICAL SECTIONS ON DWGS. 4 THRU 9 PRIOR TO CONSTRUCTION.
 3. CONTRACTOR SHALL RESET ALL CORPS MONUMENTS DISTURBED BY REQUIRED GRADING ACTIVITIES.
 4. CONTRACTOR SHALL REGRADE SITE EXCEPT FOR EXISTING LEVEE AS REQUIRED TO MEET GRADES AS SHOWN FOR SURFACE DRAINAGE.
 5. CONTRACTOR SHALL RESTORE ALL DISTURBED GRASS AREAS TO ORIGINAL CONDITION UPON COMPLETION OF WORK. RESTORATION SHALL INCLUDE BUT NOT BE LIMITED TO GRADING, ADDING EMBANKMENT, FERT., SEEDING, SODDING, ETC.



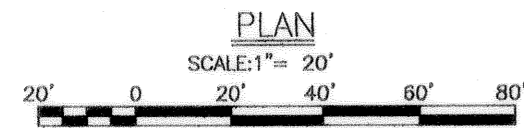
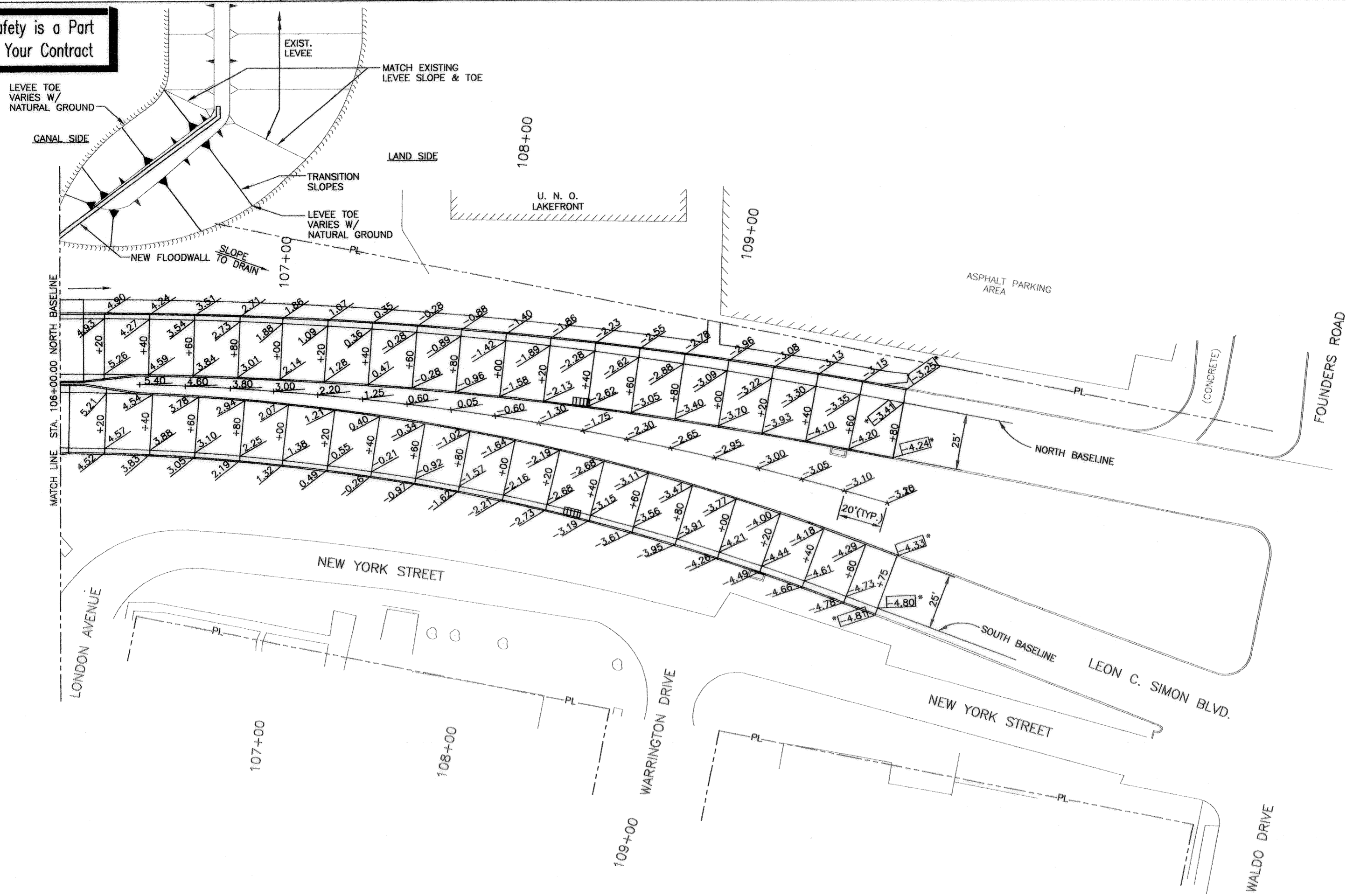
- LEGEND**
- EXISTING GRADE
 - PROPOSED FINISHED GRADE ELEVATIONS
 - PROPOSED FINISHED SPOT ELEVATIONS
 - EXISTING LEVEE SHAPING
 - NEW LEVEE SHAPING

SYMBOL	DESCRIPTION	DATE	APPROVED
REVISIONS			
U.S. ARMY ENGINEER DISTRICT, NEW ORLEANS CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA			
BOARD OF LEVEE COMMISSIONERS ORLEANS LEVEE DISTRICT NEW ORLEANS, LOUISIANA		LINFIELD, HUNTER & JUNIUS, INC. CONSULTING ENGINEERS AND ARCHITECTS 3500 North Causeway Blvd., Suite 200 Metairie, Louisiana 70002	
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GRAPHICAL GRADE PLAN			
DESIGNED BY: M.K.A.	DATE: FEB. 1998	PLOT SCALE: 20	PLOT DATE: 2/20/98
DRAWN BY: T.F.B.	CADD FILE: 447328UK.GDN	FILE NO. H-4-44955	
CHECKED BY: S.J.G.	SUBMITTED BY: A. GOODSON DESIGN ENGINEER	SOLICITATION NO. DACW29-98-B-0065	DWG. 17 OF 68



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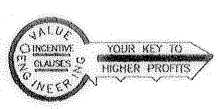
* SEE NOTE 1

NOTES

1. VERIFY GRADES AT LOCATIONS OF TIE-INS BETWEEN NEW ROADWAYS AND EXISTING ROADWAY.
2. CONTRACTOR SHALL VERIFY FINISHED GRADES AS SHOWN FROM PROFILES AND TYPICAL SECTIONS ON DWGS. 4 THRU 9 PRIOR TO CONSTRUCTION.
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LEGEND

- EXISTING GRADE
- PROPOSED FINISHED GRADE ELEVATIONS
- PROPOSED FINISHED SPOT ELEVATIONS
- EXISTING LEVEE SHAPING
- NEW LEVEE SHAPING

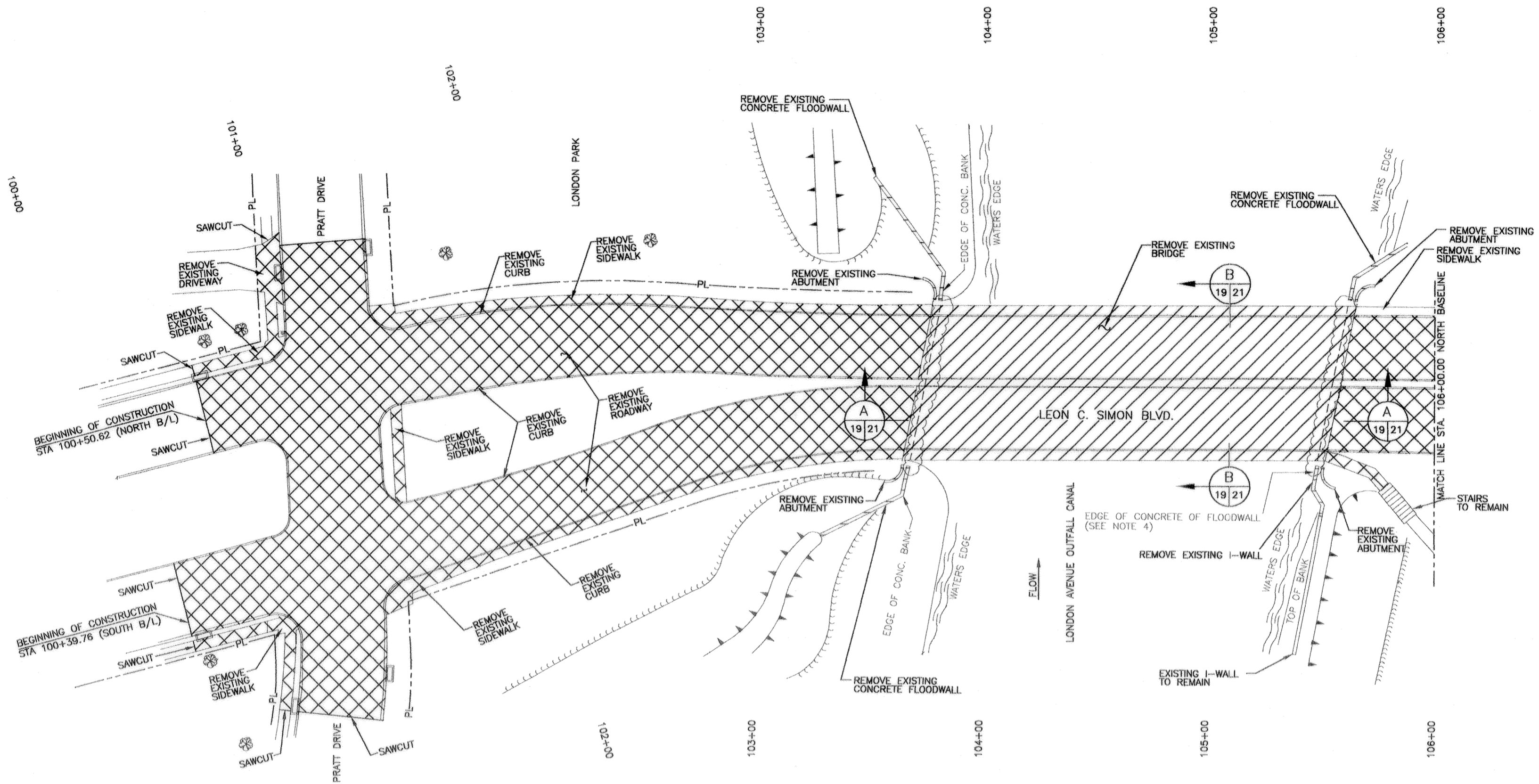


SYMBOL	DESCRIPTION	DATE	APPROVED
REVISIONS			
U.S. ARMY ENGINEER DISTRICT, NEW ORLEANS CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA			
BOARD OF LEVEE COMMISSIONERS ORLEANS LEVEE DISTRICT NEW ORLEANS, LOUISIANA		LINFIELD, HUNTER & JUNIUS, INC. CONSULTING ENGINEERS AND ARCHITECTS 3500 North Causeway Blvd. Suite 200 Metairie, Louisiana 70002	
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GRAPHICAL GRADE PLAN			
DESIGNED BY: MKA	DATE: FEB. 1998	PLOT SCALE: 20	PLOT DATE: 2/20/98
DRAWN BY: TFB	CADD FILE: 44732BLK.DGN	FILE NO. H-4-44955	
CHECKED BY: SJG	SUBMITTED BY: A. GOODSON DESIGN ENGINEER		
SOLICITATION NO. DACW29-98-B-0065		DWG. 18 OF 68	

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SHEETPILE FOUND DURING DEMOLITION OF OLD ABUTMENT. SHEETPILE WAS COVERED WITH NEW RIPRAP ON EAST SIDE, AND CUT TO GRADE & BACKFILLED ON THE WEST SIDE. SEE DWG. 31.

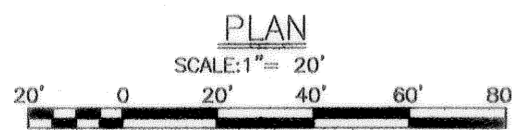



DEMOLITION NOTES:

1. REMOVE EXISTING BRIDGE SUPERSTRUCTURE, INTERMEDIATE BENTS AND END ABUTMENTS. CUT OFF EXISTING TIMBER AND STEEL PIPE PILES 2 FEET BELOW MUD LINE AT BENTS AND ABUTMENTS.
2. REMOVE EXISTING CIRCULAR WALL AT ABUTMENTS AND EXISTING FLOODWALLS AS SHOWN. REMOVE SOUTHEAST FLOODWALL AS FOLLOWS: STA. 126+65.00 TO 126+85.00 (C.O.E. B/L).
3. CONTRACTOR SHALL REMOVE ALL CONCRETE AND SHALL CUT OFF STEEL SHEET PILING 2 FEET BELOW EXISTING GRADE FOR EXISTING FLOODWALLS TO BE REMOVED EXCEPT FOR EXISTING FLOODWALL SHEET PILING TO BE PULLED.
4. EXISTING FLOODWALL SHEET PILING TO BE PULLED IS SHOWN ON FOUNDATION PLAN DWG. 31.
5. SAWCUT AND REMOVE EXISTING CURB AND GUTTER AND PAVING.
6. ALL TREES SHOWN ARE TO REMAIN. PROTECT TREES INCLUDING ROOT SYSTEM. ALL WORK AROUND TREES MUST CONFORM TO THE REQUIREMENTS OF THE PARKWAYS AND PARK COMMISSION.
7. CONCRETE SAWCUTTING SHALL BE FULL DEPTH.

LEGEND

-  REMOVAL OF EXISTING CURB, SIDEWALK, AND PAVEMENT
-  BRIDGE REMOVAL
-  CANAL WALL REMOVAL

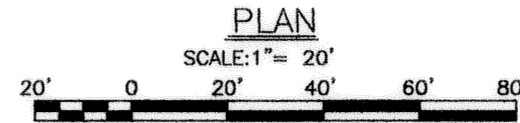
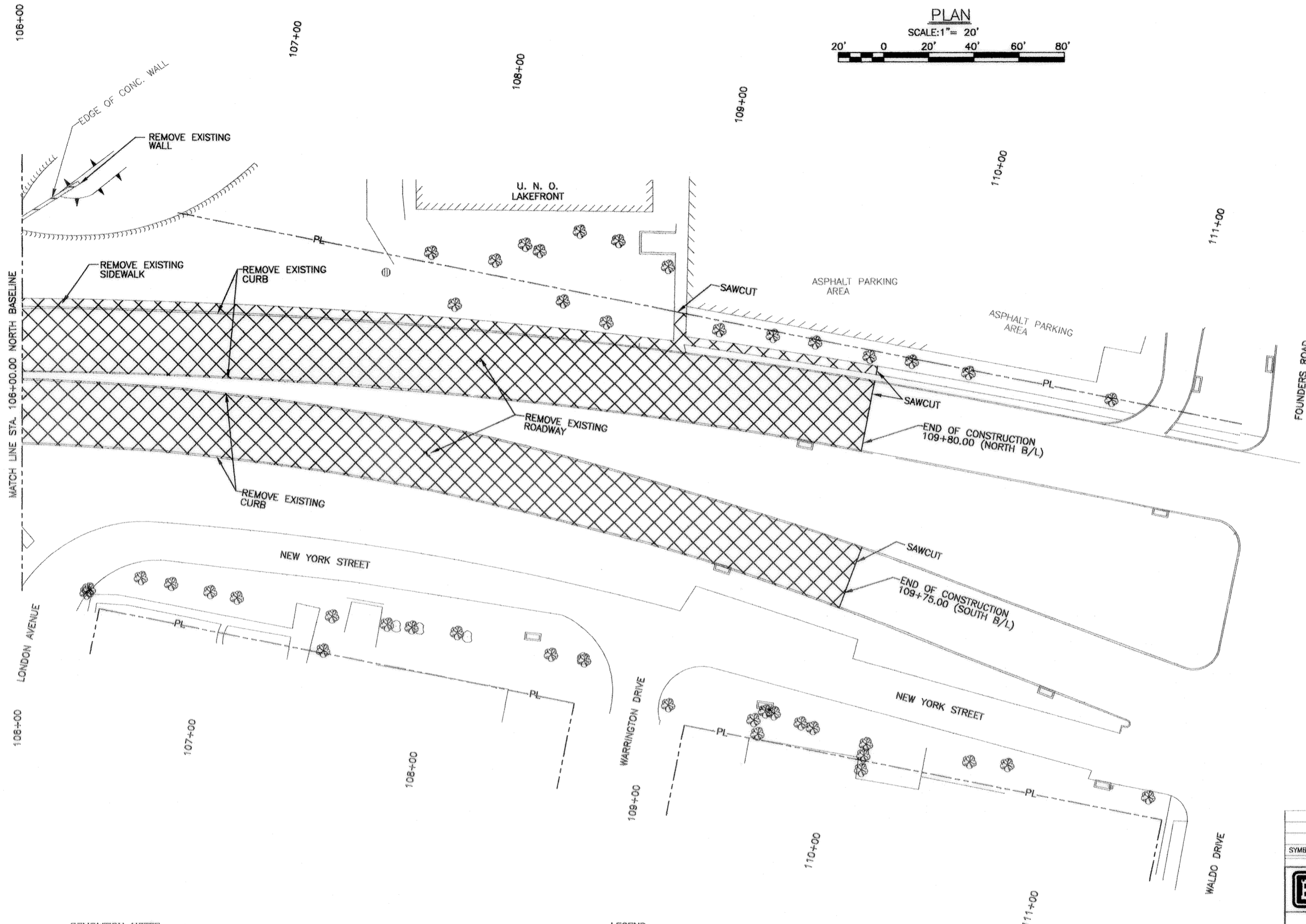


SYMBOL	DESCRIPTION	DATE	APPROVED
REVISIONS			
 U.S. ARMY ENGINEER DISTRICT, NEW ORLEANS CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA			
BOARD OF LEVEE COMMISSIONERS ORLEANS LEVEE DISTRICT NEW ORLEANS, LOUISIANA		LINFIELD, HUNTER & JUNIUS, INC. CONSULTING ENGINEERS AND ARCHITECTS 3500 North Causeway Blvd, Suite 200 Metairie, Louisiana 70002	
LAKE PONTCHARTRAIN, LA. AND VICINITY HIGH LEVEL PLAN LONDON AVE. OUTFALL CANAL, PARALLEL PROTECTION FLOODPROOFING OF LEON C. SIMON BLVD. BRIDGE ORLEANS PARISH, LOUISIANA DEMOLITION PLAN			
DESIGNED BY: M.K.A.	DATE: FEB. 1998	PLOT SCALE: 20	PLOT DATE: 2/20/98
DRAWN BY: T.F.B.	CADD FILE: 44732BLK.DGN	FILE NO. H-4-44955	
CHECKED BY: S.J.G.	SOLICITATION NO. DACW29-98-B-0065	DWG. 19 OF 68	
SUBMITTED BY: A. GOODSON DESIGN ENGINEER			



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DEMOLITION NOTES:

1. SAWCUT AND REMOVE EXISTING CURB AND GUTTER AND PAVING
2. ALL TREES SHOWN ARE TO REMAIN. PROTECT TREES INCLUDING ROOT SYSTEM. ALL WORK AROUND TREES MUST CONFORM TO THE REQUIREMENTS OF THE PARKWAYS AND PARK COMMISSION.
3. CONCRETE SAWCUTTING SHALL BE FULL DEPTH.

LEGEND

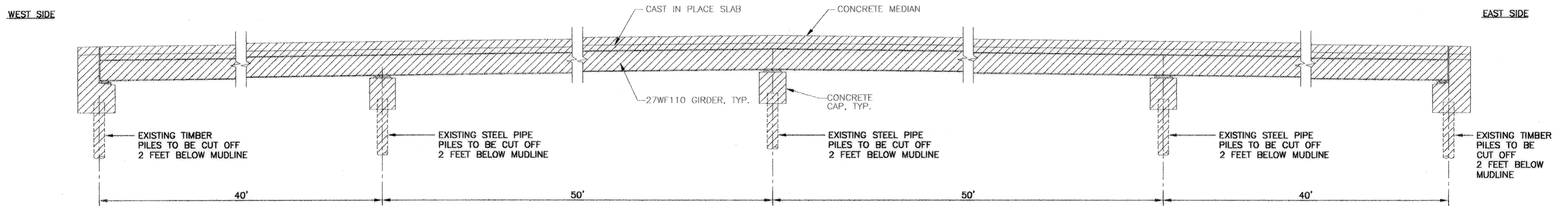
- REMOVAL OF EXISTING CURB, SIDEWALK, AND PAVEMENT
- REMOVAL OF EXISTING BRIDGE
- CANAL WALL REMOVAL



SYMBOL	DESCRIPTION	DATE	APPROVED
REVISIONS			
U.S. ARMY ENGINEER DISTRICT, NEW ORLEANS CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA			
<small>BOARD OF LEVEE COMMISSIONERS ORLEANS LEVEE DISTRICT NEW ORLEANS, LOUISIANA</small>		<small>LINFIELD, HUNTER & JUNIUS, INC. CONSULTING ENGINEERS AND ARCHITECTS 3500 North Causeway Blvd. Suite 200 Metairie, Louisiana 70002</small>	
LAKE PONTCHARTRAIN, LA. AND VICINITY HIGH LEVEL PLAN LONDON AVE. OUTFALL CANAL, PARALLEL PROTECTION FLOODPROOFING OF LEON C. SIMON BLVD. BRIDGE ORLEANS PARISH, LOUISIANA DEMOLITION PLAN			
DESIGNED BY: M.K.A.	DATE: FEB. 1998	PLOT SCALE: 20	PLOT DATE: 2/20/98
DRAWN BY: T.F.B.	CADD FILE: 44732RLK.DGN	FILE NO. H-4-44955	
CHECKED BY: S.J.G.	SOLICITATION NO. DACW29-98-B-0065		
SUBMITTED BY: A. GOODRICH DESIGN ENGINEER	DWG. 20 OF 68		

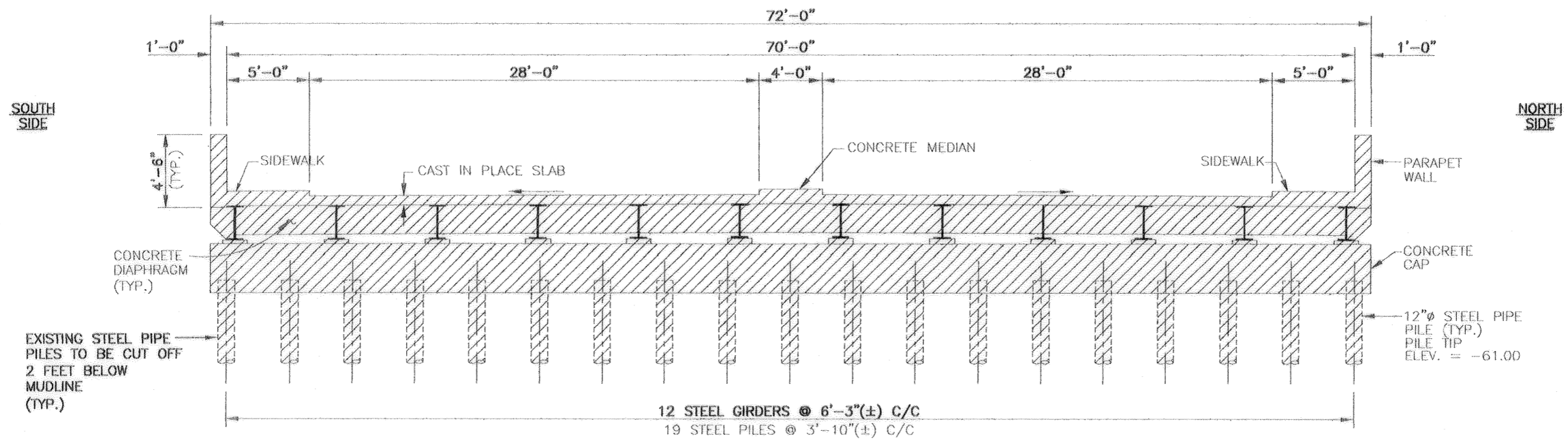
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LONGITUDINAL SECTION A
SCALE: 1/4" = 1'-0"

LEGEND
 INDICATES STRUCTURE TO BE REMOVED

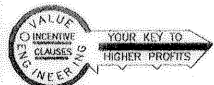


TRANSVERSE SECTION B
SCALE: 1/4" = 1'-0"

NOTE:
 PILE DEMOLITION WILL BE DONE IN THE WET. CONTRACTOR SHALL PROVIDE DIVERS AS REQUIRED TO ACCOMPLISH UNDERWATER DEMOLITION. CONTRACTOR SHALL REMOVE AND LEGALLY DISPOSE OF ALL DEBRIS FROM CANAL BOTTOM RESULTING FROM THE BRIDGE DEMOLITION. PULLING OF PILES WILL NOT BE ALLOWED.

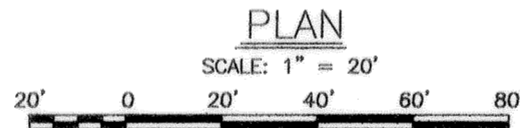
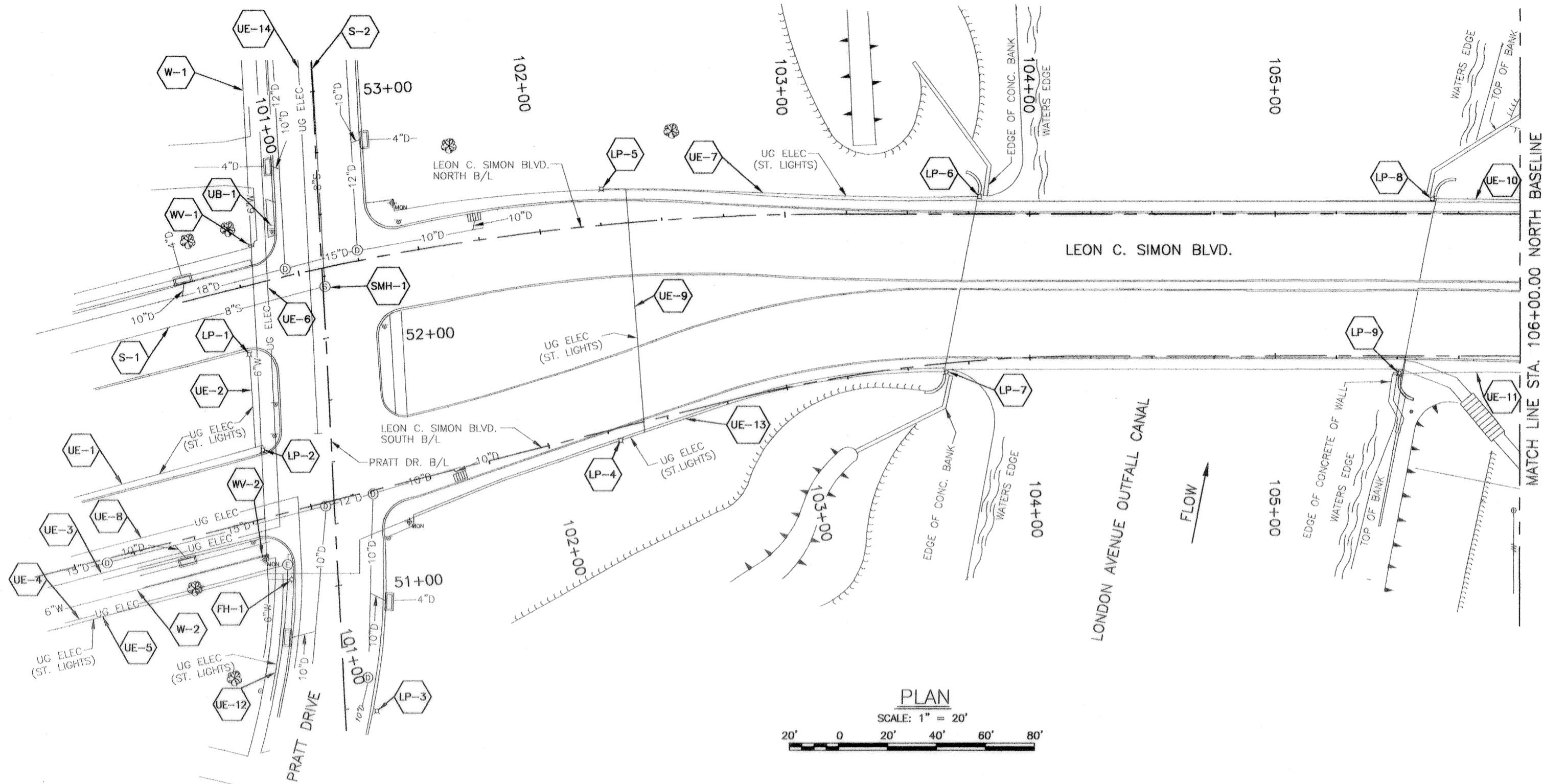
SCALE: 1/4" = 1'-0"

SYMBOL	DESCRIPTION	DATE	APPROVED
REVISIONS			
U.S. ARMY ENGINEER DISTRICT, NEW ORLEANS CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA			
BOARD OF LEVEE COMMISSIONERS ORLEANS LEVEE DISTRICT NEW ORLEANS, LOUISIANA		LINFIELD, HUNTER & JUNIUS, INC. CONSULTING ENGINEERS AND ARCHITECTS 3500 North Causeway Blvd. Suite 200 Metairie, Louisiana 70002	
LAKE PONTCHARTRAIN, LA. AND VICINITY HIGH LEVEL PLAN LONDON AVE. OUTFALL CANAL, PARALLEL PROTECTION FLOODPROOFING OF LEON C. SIMON BLVD. BRIDGE ORLEANS PARISH, LOUISIANA			
EXISTING STRUCTURE DEMOLITION			
DESIGNED BY: PWB	DATE: FEB. 1998	PLOT SCALE: 48	PLOT DATE: 2/20/98
DRAWN BY: RKP	CADD FILE: 44732BLK.DGN	FILE NO. H-4-44955	
CHECKED BY: AFG	SOLICITATION NO. DACW29-98-0065		DWG. 21 OF 68
SUBMITTED BY: A. GOODRION DESIGN ENGINEER			



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NOTES

- FOR GENERAL NOTES AND LEGEND, SEE DWG. 2 & 3.
- SEE DWGS. 24 AND 25 FOR UTILITY RELOCATION PLAN
- SEE PLAN/PROFILE DRAWINGS 4 AND 6 FOR STORM DRAIN CALL OUTS

LEGEND

- NA -- NOT AFFECTED--DO NOT DISTURB
 RBGC -- RELOCATED BY GOVERNMENT CONTRACTOR DURING CONSTRUCTION
 RBN -- RELOCATED BY ENTERGY DURING CONSTRUCTION
 ABGC -- ADJUSTED BY GOVERNMENT CONTRACTOR DURING CONSTRUCTION

- ① -- CORPS OF ENGINEERS EAST BASELINE
 ② -- CORPS OF ENGINEERS WEST BASELINE
 ③ -- LEON C. SIMON BLVD. NORTH BASELINE
 ④ -- LEON C. SIMON BLVD. SOUTH BASELINE
 ⑤ -- PRATT DRIVE BASELINE

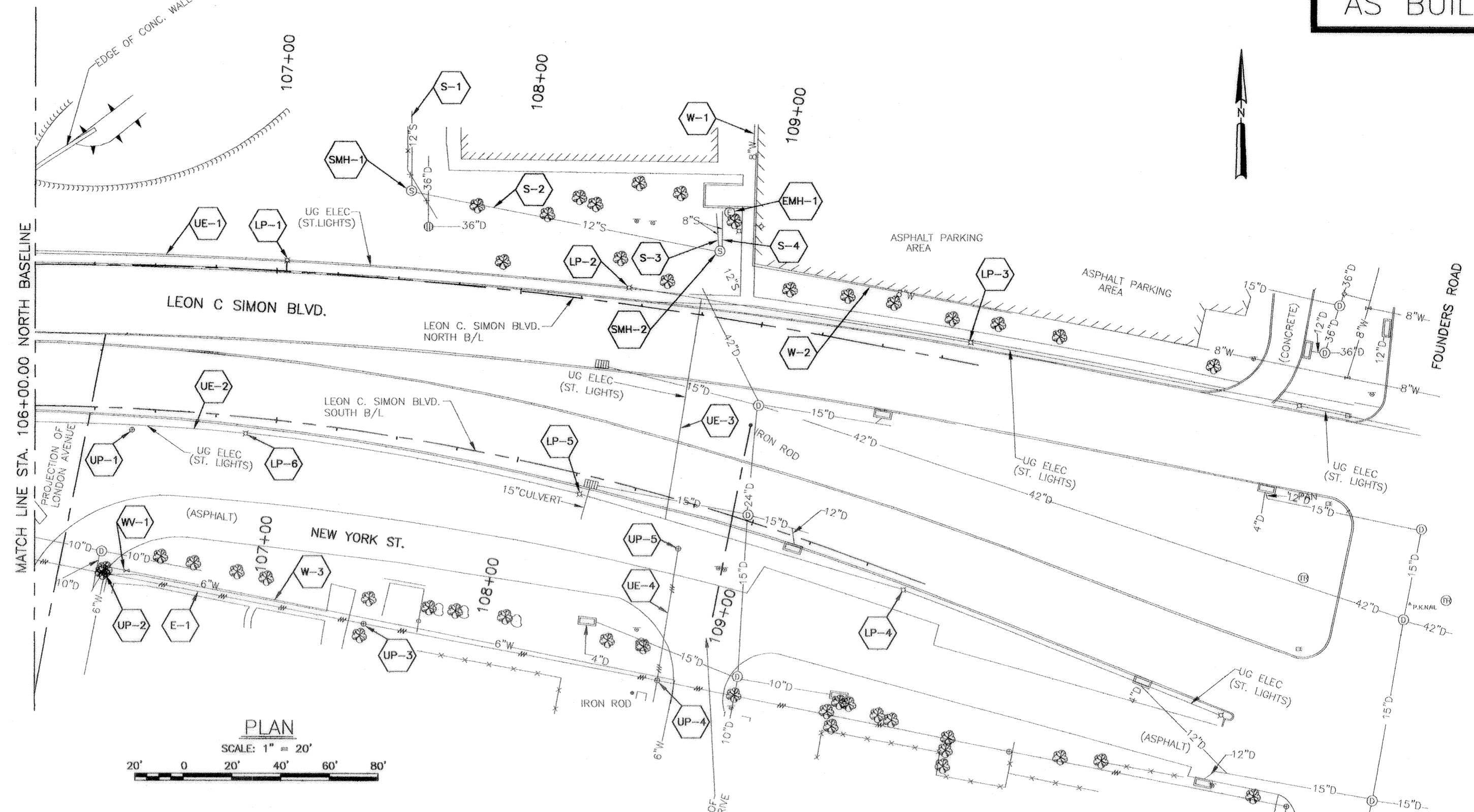
EXISTING FACILITIES

ITEM	DESCRIPTION	STATION	OWNER	DISPOSITION
W-1	6" WATER MAIN	50+50 ⑤ - 53+10 ⑤	S&WB	NA
W-2	6" WATER MAIN	99+83 ④ - 100+78 ④	S&WB	NA
WV-1	6" WATER VALVE	100+83 ③	S&WB	ABGC
WV-2	6" WATER VALVE	100+76 ④	S&WB	ABGC
UB-1	UTILITY BOX	100+93 ③	ENTERGY	RBN
FH-1	FIRE HYDRANT	100+85 ④	S&WB	NA
LP-1	STREET LIGHT POLE	100+72 ③	ENTERGY	RBN
LP-2	STREET LIGHT POLE	100+86 ④	ENTERGY	RBN
LP-3	STREET LIGHT POLE	50+48 ⑤	ENTERGY	NA
LP-4	STREET LIGHT POLE	102+29 ④	ENTERGY	RBN
LP-5	STREET LIGHT POLE	102+27 ③	ENTERGY	RBN
LP-6	STREET LIGHT POLE	103+79 ③	ENTERGY	RBN
LP-7	STREET LIGHT POLE	103+65 ④	ENTERGY	RBN
LP-8	STREET LIGHT POLE	105+65 ③	ENTERGY	RBN
LP-9	STREET LIGHT POLE	105+51 ④	ENTERGY	RBN
UE-1	UNDERGROUND ELEC LIGHT CABLE	100+08 ④ - 100+86 ④	ENTERGY	RBN

EXISTING FACILITIES

ITEM	DESCRIPTION	STATION	OWNER	DISPOSITION
UE-2	UNDERGROUND ELEC LIGHT CABLE	51+58 ⑤ - 51+96 ⑤	ENTERGY	RBN
UE-3	UNDERGROUND ELEC CABLE	99+88 ④ - 100+86 ④	ENTERGY	RBN
UE-4	UNDERGROUND ELEC CABLE	99+91 ④ - 100+85 ④	ENTERGY	NA
UE-5	UNDERGROUND ELEC LIGHT CABLE	99+83 ④ - 102+29 ④	ENTERGY	RBN
UE-6	UNDERGROUND ELEC CABLE	51+25 ⑤ - 53+14 ⑤	ENTERGY	RBN
UE-7	UNDERGROUND ELEC LIGHT CABLE	102+27 ③ - 103+79 ③	ENTERGY	RBN
UE-8	UNDERGROUND ELEC CABLE	100+00 ④ - 100+96 ④	ENTERGY	RBN
UE-9	UNDERGROUND ELEC LIGHT CABLE	102+36 ③	ENTERGY	RBN
UE-10	UNDERGROUND ELEC LIGHT CABLE	105+65 ③ - 106+00 ③	ENTERGY	RBN
UE-11	UNDERGROUND ELEC LIGHT CABLE	105+51 ④ - 106+00 ④	ENTERGY	RBN
UE-12	UNDERGROUND ELEC LIGHT CABLE	50+55 ⑤ - 51+06 ⑤	ENTERGY	RBN
UE-13	UNDERGROUND ELEC LIGHT CABLE	102+29 ④ - 103+65 ④	ENTERGY	RBN
UE-14	UNDERGROUND ELEC CABLE	51+61 ⑤ - 53+13 ⑤	ENTERGY	RBN
S-1	8" SEWER	100+00 ③ - 101+10 ③	S&WB	NA
S-2	8" SEWER	52+22 ⑤ - 53+13 ⑤	S&WB	NA
SMH-1	SEWER MANHOLE	101+10 ③	S&WB	ABGC

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<small>BOARD OF LEVEE COMMISSIONERS ORLEANS LEVEE DISTRICT NEW ORLEANS, LOUISIANA</small>		<small>LINFIELD, HUNTER & JUNIUS, INC. CONSULTING ENGINEERS AND ARCHITECTS 3500 North Causeway Blvd. Suite 200 Metairie, Louisiana 70002</small>	
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EXISTING UTILITIES PLAN			
DESIGNED BY: M.J.A.	DATE: FEB. 1998	PLOT SCALE: 20	PLOT DATE: 2/20/98
DRAWN BY: T.F.B.	CADD FILE: 4472381.KGD	FILE NO. H-4-44955	
CHECKED BY: SJC	SUBMITTED BY: A. GOODSON DESIGN ENGINEER		
SOLICITATION NO. DACW29-98-B-0065		DWG. 22 OF 68	



PLAN
SCALE: 1" = 20'
20' 0 20' 40' 60' 80'

ITEM	DESCRIPTION	STATION	OWNER	DISPOSITION
SMH-1	SEWER MANHOLE	107+52 (3)	S&WB	NA
SMH-2	SEWER MANHOLE	108+78 (3)	S&WB	NA
S-1	12" SEWER	107+52 (3)	S&WB	NA
S-2	12" SEWER	107+52 (3) - 108+78 (3)	S&WB	NA
S-3	8" SEWER	108+78 (3)	S&WB	NA
S-4	8" SEWER	108+78 (3)	S&WB	NA
WV-1	6" WATER VALVE	106+38 (4)	S&WB	NA
W-1	8" WATER MAIN	108+82 (3) - 108+95 (3)	S&WB	NA
W-2	8" WATER MAIN	108+95 (3) - 109+90 (3)	S&WB	NA
W-3	6" WATER MAIN	106+33 (4) - 108+88 (4)	S&WB	NA
UP-1	UTILITY POLE	106+42 (4)	ENTERGY	RBN
UP-2	UTILITY POLE	106+32 (4)	ENTERGY	NA
UP-3	UTILITY POLE	107+48 (4)	ENTERGY	NA
UP-4	UTILITY POLE	108+83 (4)	ENTERGY	NA
UP-5	UTILITY POLE	108+75 (4)	ENTERGY	RBN
LP-1	STREET LIGHT POLE	107+04 (3)	ENTERGY	RBN
LP-2	STREET LIGHT POLE	108+44 (3)	ENTERGY	RBN
LP-3	STREET LIGHT POLE	109+85 (3)	ENTERGY	RBN
LP-4	STREET LIGHT POLE	109+67 (4)	ENTERGY	RBN
LP-5	STREET LIGHT POLE	108+28 (4)	ENTERGY	RBN
LP-6	STREET LIGHT POLE	106+88 (4)	ENTERGY	RBN
UE-1	UNDERGROUND ELEC LIGHT CABLE	106+00 (3) - 109+85 (3)	ENTERGY	RBN
UE-2	UNDERGROUND ELEC LIGHT CABLE	106+00 (4) - 109+67 (4)	ENTERGY	RBN
UE-3	UNDERGROUND ELEC LIGHT CABLE	108+55 (4) - 108+65 (4)	ENTERGY	RBN
UE-4	UNDERGROUND ELEC CABLE	108+75 (4) - 108+83 (4)	ENTERGY	RBN
E-1	OVERHEAD ELEC CABLE	106+00 (4) - 109+75 (4)	ENTERGY	NA
EMH-1	ELECTRIC MANHOLE	108+80 (3)	ENTERGY	NA

NOTES

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- SEE DWGS. 24 AND 25 FOR UTILITY RELOCATION PLAN
- SEE PLAN/PROFILE DRAWINGS 5 AND 7 FOR STORM DRAIN CALL OUTS

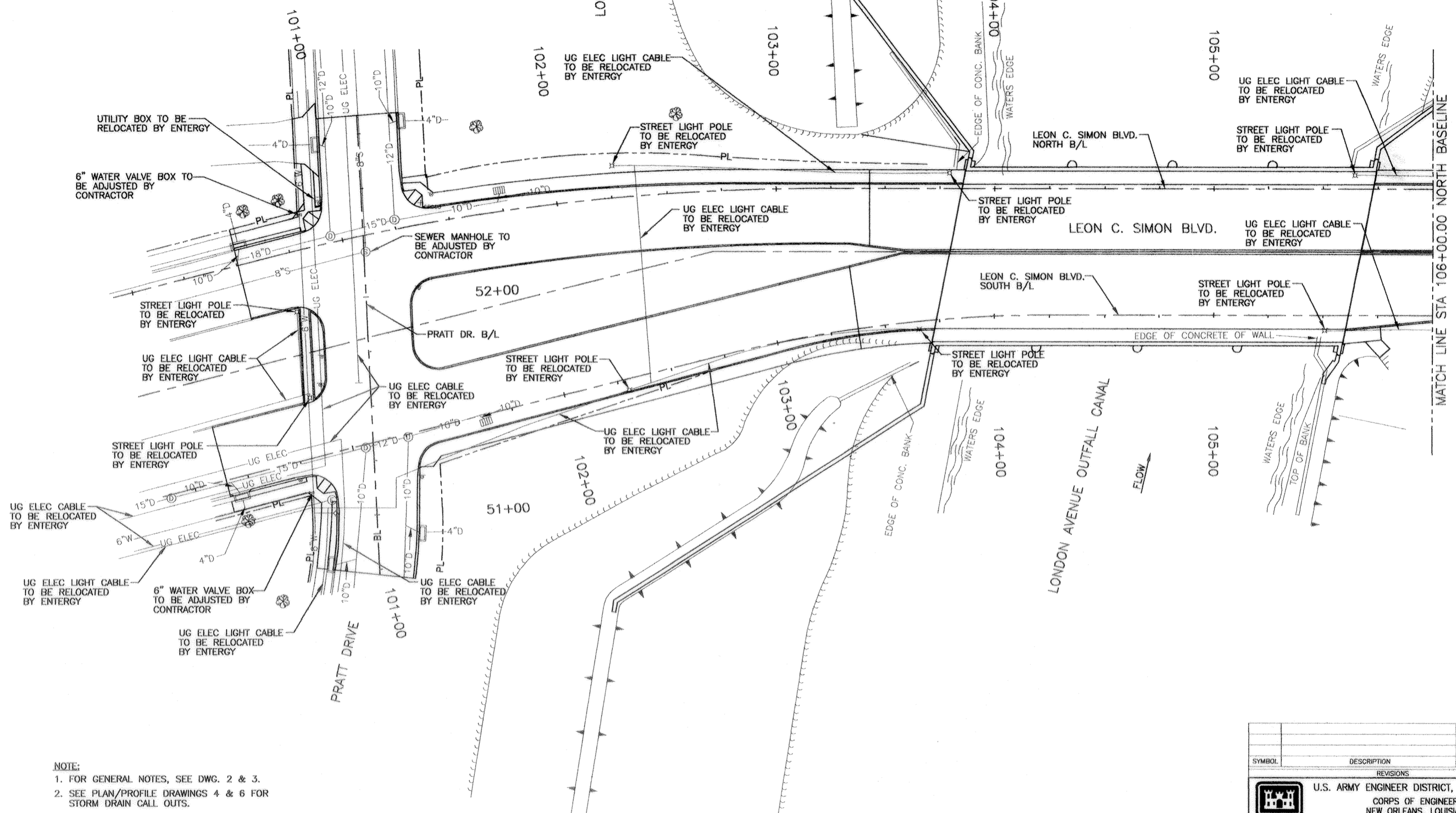
LEGEND

- NA - NOT AFFECTED-DO NOT DISTURB
- RBGC - RELOCATED BY GOVERNMENT CONTRACTOR DURING CONSTRUCTION
- RBN - RELOCATED BY ENTERGY DURING CONSTRUCTION
- ABGC - ADJUSTED BY GOVERNMENT CONTRACTOR DURING CONSTRUCTION

- (1) - CORPS OF ENGINEERS EAST BASELINE
- (2) - CORPS OF ENGINEERS WEST BASELINE
- (3) - LEON C. SIMON BLVD. NORTH BASELINE
- (4) - LEON C. SIMON BLVD. SOUTH BASELINE
- (5) - PRATT DRIVE BASELINE

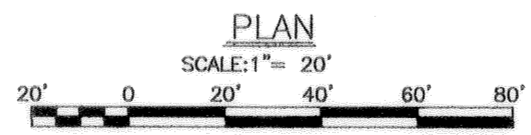
SYMBOL	DESCRIPTION	DATE	APPROVED
REVISIONS			
U.S. ARMY ENGINEER DISTRICT, NEW ORLEANS CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA			
BOARD OF LEVEE COMMISSIONERS ORLEANS LEVEE DISTRICT NEW ORLEANS, LOUISIANA		L.J. HUNTER & JUNIUS, INC. CONSULTING ENGINEERS AND ARCHITECTS 3500 North Causeway Blvd. Suite 200 Metairie, Louisiana 70002	
LAKE PONCHARTRAIN, LA. AND VICINITY HIGH LEVEL PLAN LONDON AVE. OUTFALL CANAL, PARALLEL PROTECTION FLOODPROOFING OF LEON C. SIMON BLVD. BRIDGE ORLEANS PARISH, LOUISIANA			
EXISTING UTILITIES PLAN			
DESIGNED BY: M.K.A.	DATE: FEB. 1998	PLOT SCALE: 20	PLOT DATE: 2/20/98
DRAWN BY: T.F.B.	CHECKED BY: S.J.G.	FILE NO. H-4-44955	
SUBMITTED BY:	SOLICITATION NO. DACW29-98-B-0065	DWG. 23	OF 68





- NOTE:**
1. FOR GENERAL NOTES, SEE DWG. 2 & 3.
 2. SEE PLAN/PROFILE DRAWINGS 4 & 6 FOR STORM DRAIN CALL OUTS.
 3. UNLESS OTHERWISE NOTED ON PLAN/PROFILE DRAWINGS (DWGS. 4-7), ALL EXISTING DRAIN STRUCTURES SHALL REMAIN.
 4. ALL EXISTING MANHOLES WITHIN NEWLY PAVED AREA SHALL BE ADJUSTED TO NEW GRADE BY CONTRACTOR.
 5. ALL EXISTING WATER VALVES AND METERS WITHIN CONSTRUCTION LIMITS SHALL BE ADJUSTED TO NEW GRADE. ALL EXISTING VALVES NOT ENCLOSED IN MANHOLES SHALL HAVE NEW MANHOLE CONSTRUCTED AROUND VALVE.
 6. UTILITY LINES IN CONFLICT WITH NEW WORK SHALL BE RELOCATED BY ENTERGY.

NOTE:
EXISTING UTILITY LOCATIONS BASED ON FIELD SURVEY AND INFORMATION FROM UTILITY AGENCIES. CONTRACTOR SHALL VERIFY UTILITY LOCATION IN FIELD PRIOR TO CONSTRUCTION.

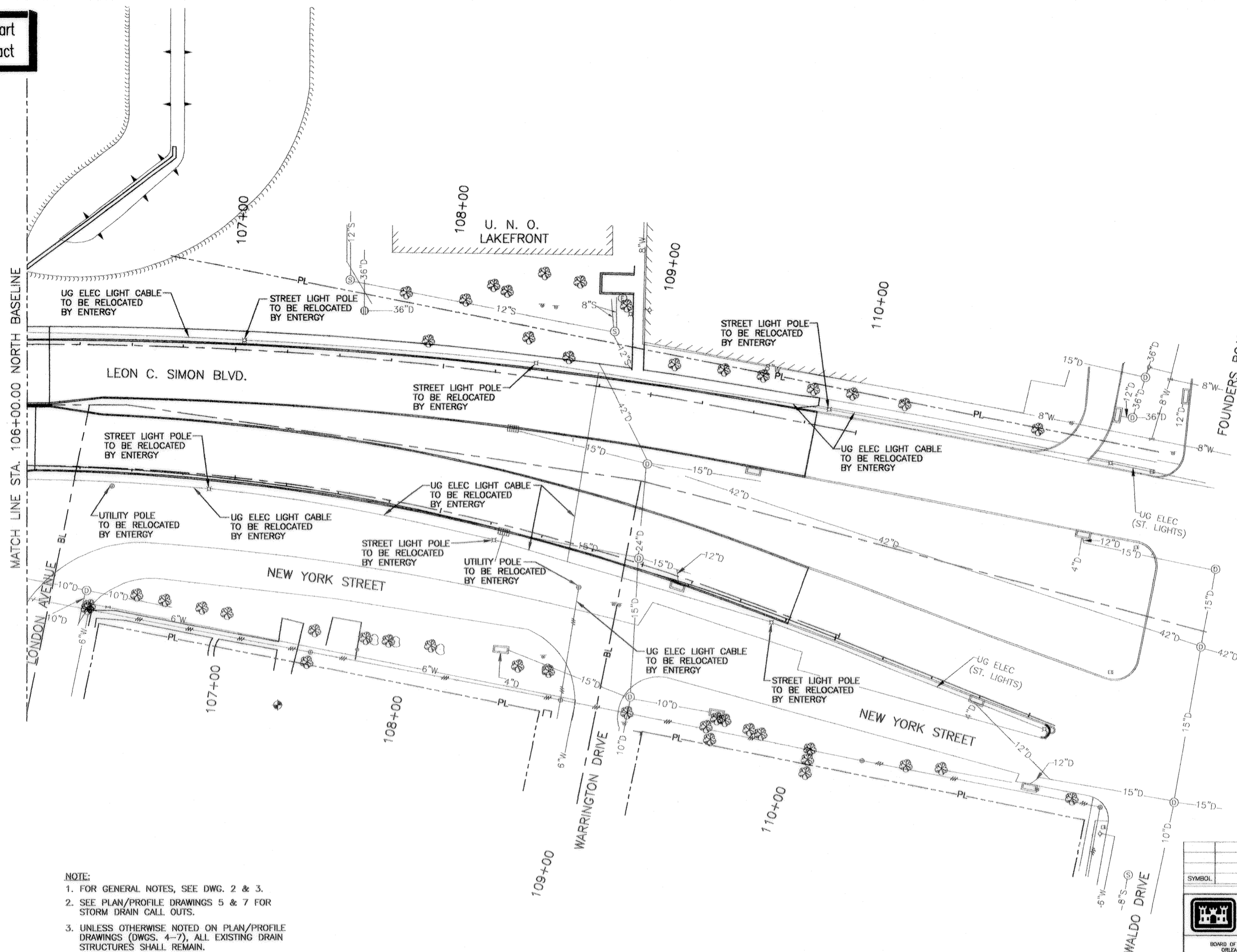


SYMBOL	DESCRIPTION	DATE	APPROVED
REVISIONS			
U.S. ARMY ENGINEER DISTRICT, NEW ORLEANS CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA			
BOARD OF LEVEE COMMISSIONERS ORLEANS LEVEE DISTRICT NEW ORLEANS, LOUISIANA		LINFIELD, HUNTER & JUNIUS, INC. CONSULTING ENGINEERS AND ARCHITECTS 3500 North Causeway Blvd. Suite 200 Metairie, Louisiana 70002	
LAKE PONTCHARTRAIN, LA. AND VICINITY HIGH LEVEL PLAN LONDON AVE. OUTFALL CANAL, PARALLEL PROTECTION FLOODPROOFING OF LEON C. SIMON BLVD. BRIDGE ORLEANS PARISH, LOUISIANA			
UTILITY RELOCATION PLAN			
DESIGNED BY: MKA	DATE: FEB. 1998	PLOT SCALE: 20	PLOT DATE: 2/20/98
DRAWN BY: TFB	CADD FILE: 44732BLK.DGN	FILE NO. H-4-44955	
CHECKED BY: SJG	SOLICITATION NO. DACW29-98-B-0065		DWG. 24 OF 68
SUBMITTED BY: A. GOODSON DESIGN ENGINEER			



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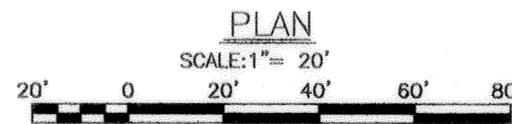


NOTE:

1. FOR GENERAL NOTES, SEE DWG. 2 & 3.
2. SEE PLAN/PROFILE DRAWINGS 5 & 7 FOR STORM DRAIN CALL OUTS.
3. UNLESS OTHERWISE NOTED ON PLAN/PROFILE DRAWINGS (DWGS. 4-7), ALL EXISTING DRAIN STRUCTURES SHALL REMAIN.
4. ALL EXISTING MANHOLES WITHIN NEWLY PAVED AREA SHALL BE ADJUSTED TO NEW GRADE BY CONTRACTOR.
5. ALL EXISTING WATER VALVES AND METERS WITHIN CONSTRUCTION LIMITS SHALL BE ADJUSTED TO NEW GRADE. ALL EXISTING VALVES NOT ENCLOSED IN MANHOLES SHALL HAVE NEW MANHOLE CONSTRUCTED AROUND VALVE.
6. UTILITY LINES IN CONFLICT WITH NEW WORK SHALL BE RELOCATED BY ENTERGY.

NOTE:

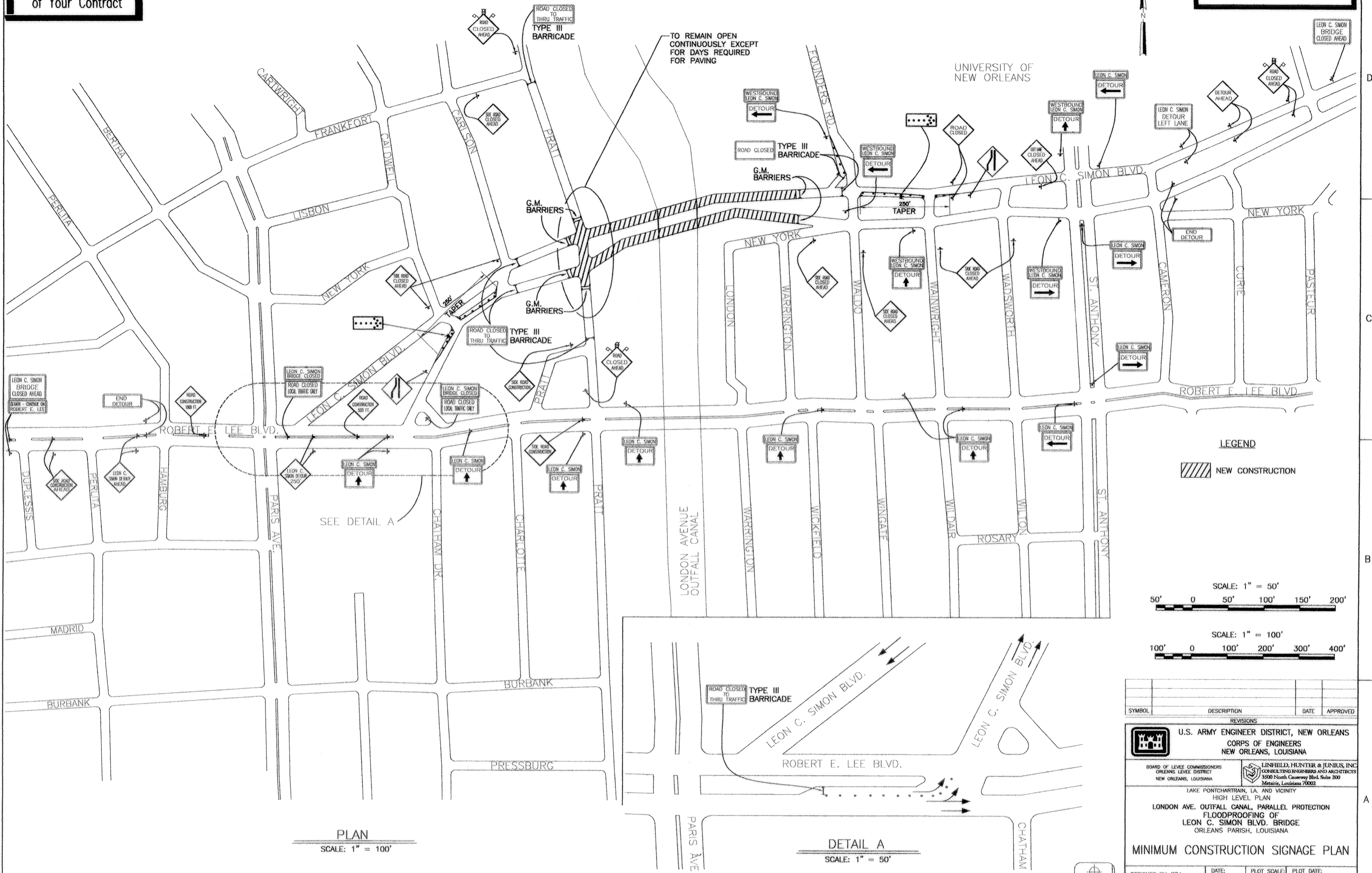
EXISTING UTILITY LOCATIONS BASED ON FIELD SURVEY AND INFORMATION FROM UTILITY AGENCIES. CONTRACTOR SHALL VERIFY UTILITY LOCATION IN FIELD PRIOR TO CONSTRUCTION.



SYMBOL	DESCRIPTION	DATE	APPROVED
REVISIONS			
U.S. ARMY ENGINEER DISTRICT, NEW ORLEANS CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA			
BOARD OF LEVEE COMMISSIONERS ORLEANS LEVEE DISTRICT NEW ORLEANS, LOUISIANA		LINFIELD, HUNTER & JUNIUS, INC. CONSULTING ENGINEERS AND ARCHITECTS 3300 North Causeway Blvd. Suite 200 Metairie, Louisiana 70002	
LAKE PONTCHARTRAIN, LA. AND VICINITY HIGH LEVEL PLAN LONDON AVE. OUTFALL CANAL, PARALLEL PROTECTION FLOODPROOFING OF LEON C. SIMON BLVD. BRIDGE ORLEANS PARISH, LOUISIANA			
UTILITY RELOCATION PLAN			
DESIGNED BY: MKA	DATE: FEB. 1998	PILOT SCALE: 20	PILOT DATE: 2/20/98
DRAWN BY: TFB	CADD FILE: 44732BLK.DGN	FILE NO. H-4-44955	
CHECKED BY: SJG	SUBMITTED BY:	SOLICITATION NO. DACW29-98-B-0085	DWG. 25 OF 68
A. GOODWIN DESIGN ENGINEER			

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PLAN
SCALE: 1" = 100'

DETAIL A
SCALE: 1" = 50'

LEGEND
NEW CONSTRUCTION

SCALE: 1" = 50'
50' 0 50' 100' 150' 200'

SCALE: 1" = 100'
100' 0 100' 200' 300' 400'

SYMBOL	DESCRIPTION	DATE	APPROVED
REVISIONS			

U.S. ARMY ENGINEER DISTRICT, NEW ORLEANS
CORPS OF ENGINEERS
NEW ORLEANS, LOUISIANA

BOARD OF LEVEE COMMISSIONERS
ORLEANS DISTRICT
NEW ORLEANS, LOUISIANA

LINFIELD, HUNTER & JUNIUS, INC.
CONSULTING ENGINEERS AND ARCHITECTS
3500 North Causeway Blvd, Suite 200
Metairie, Louisiana 70002

LAKE PONTCHARTRAIN, LA. AND VICINITY
HIGH LEVEL PLAN
LONDON AVE. OUTFALL CANAL, PARALLEL PROTECTION
FLOODPROOFING OF
LEON C. SIMON BLVD. BRIDGE
ORLEANS PARISH, LOUISIANA

DESIGNED BY: SGJ	DATE: FEB. 1998	PLOT SCALE: 120	PLOT DATE: 2/20/98
DRAWN BY: CMB	CHECKED BY: SGJ	CADD FILE: 447328LKDGN	FILE NO. H-4-44955
SUBMITTED BY: A. GOODSON DESIGN ENGINEER	SOLICITATION NO. DACW29-98-B-0085	DWG. 26 OF 68	



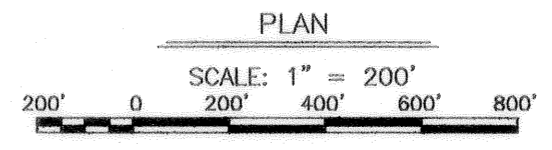
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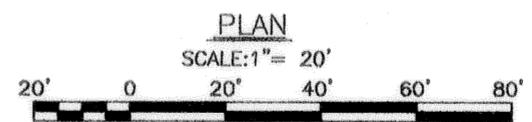
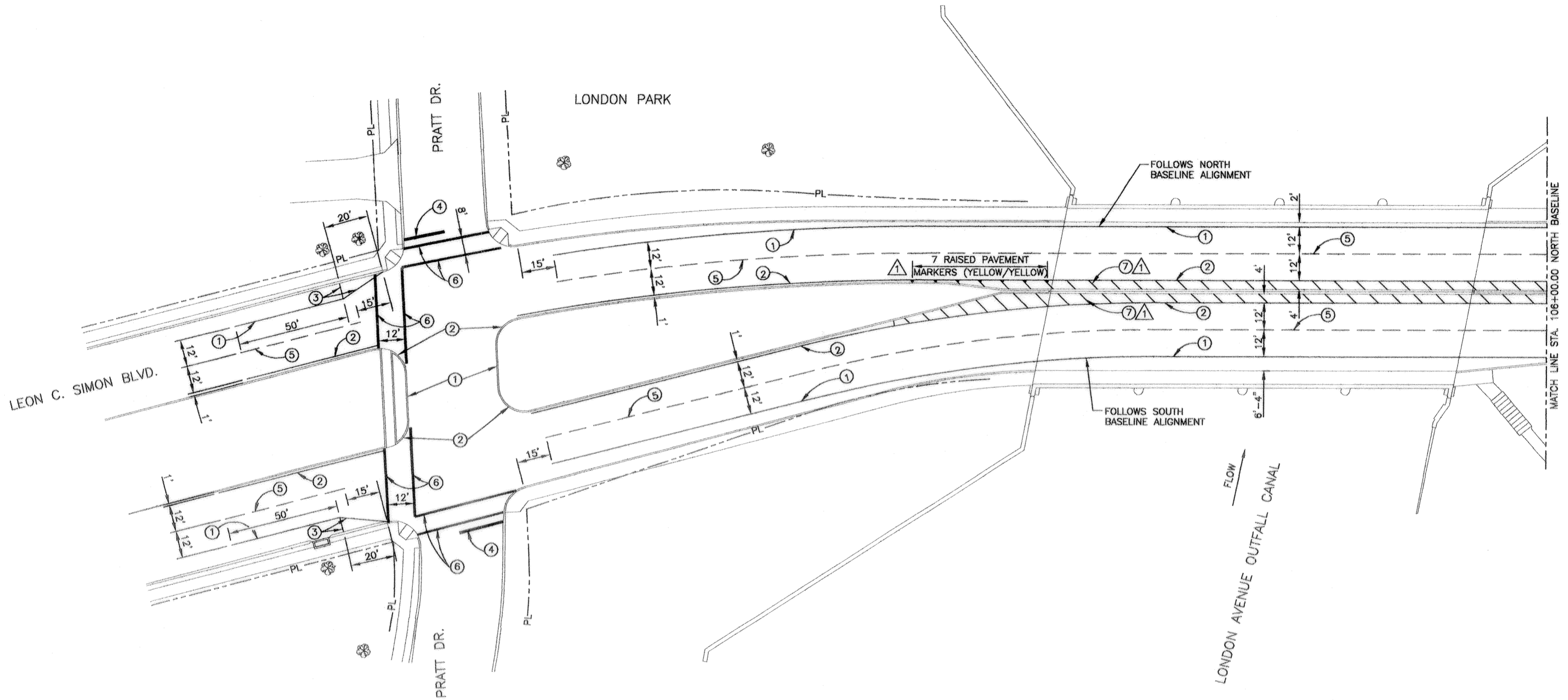
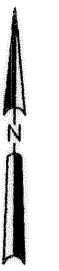
AS BUILT



- NOTES**
1. MINIMUM CONSTRUCTION SIGNING. ANY OTHER SIGNS OR TRAFFIC CONTROL DEVICES INDICATED IN THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES AND REQUIRED BY PROJECT ENGINEER, SHALL BE INSTALLED AT NO ADDITIONAL COST.
 2. CONTRACTOR SHALL PROVIDE BARRICADES, SIGNAGE, ETC. FOR THIS WORK & SHALL IN ALL RESPECTS COMPLY WITH THE TRAFFIC PROVISION REQUIREMENTS OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, PART VI: U.S. DEPT. OF TRANSPORTATION, FHWA, LATEST EDITION.
 3. CONTRACTOR SHALL PROVIDE CONTINUOUS VEHICULAR ACCESS TO ALL BUSINESSES AND RESIDENCES.
 4. CHANNELIZING DEVICES AND BARRICADES SHALL BE USED TO MARK ALL CONSTRUCTION AREAS. THESE SHALL BE TYPE III BARRICADES, AND/OR BARRELS, ALL FULLY REFLECTORIZED WITH LIGHTS.
 5. ANY TRAFFIC CONTROL DEVICE (SIGN, SIGNAL, MARKING) WHICH EXISTS AS PART OF THE NORMAL PRE-CONSTRUCTION SCHEME, AND THAT DOES NOT APPLY TO AN APPROPRIATE SITUATION, OR IS IN THE WAY OF CONSTRUCTION, SHALL BE COVERED, REMOVED OR RELOCATED BY THE CONTRACTOR UNDER SUPERVISION OF THE DEPARTMENT OF STREETS, AND RESTORED TO ORIGINAL CONDITION UPON COMPLETION.
 6. ANY TEMPORARY DEVICES NOT APPLYING TO AN APPROPRIATE SITUATION OR NO LONGER REQUIRED SHALL BE COVERED, REMOVED, OR OBLITERATED BY THE CONTRACTOR.
 7. ALL EXCAVATION SHALL BE COVERED, BACKFILLED, PROTECTED AND FULLY DELINEATED (SEE NOTE 4) AT NIGHT AND WHEN WORK IS NOT IN PROGRESS. BEFORE REMOVAL OF BARRICADES, SERVICE CUTS MUST BE RESTORED TO SUCH CONDITION TO WITHSTAND VEHICLE AND PEDESTRIAN LOADS.
 8. CONTRACTOR SHALL CHECK TRAFFIC CONTROL DEVICES AS A MINIMUM WHEN BEGINNING AND ENDING THE WORK DAY, TO INSURE ADHERENCE TO THE PLANS.
 9. FLAGMAN AND/OR NOPD OFFICER CONTROL TO BE PROVIDED AS NEEDED.
 10. ANY ADDITIONAL TRAFFIC CONTROL DEVICES WHICH MAY BE REQUIRED AT TIME OF CONSTRUCTION BY THE DEPARTMENT OF STREETS, OR THE CONTRACTOR, SHALL BE PROVIDED BY THE CONTRACTOR.
 11. WHEN SIDEWALKS ARE CLOSED, CONTRACTOR SHALL PROVIDE A CLEAR, SAFE PATHWAY FOR PEDESTRIANS REQUIRED TO WALK THROUGH WORK ZONES OF THEIR PROJECT. BARRICADES (SEE NOTE NO. 4) SHALL SEPARATE PEDESTRIANS FROM MOVING VEHICLES AND EQUIPMENT. DIRECTIONAL SIGNAGE WITH CLEAR LANGUAGE SHALL BE PROVIDED FOR POSITIVE GUIDANCE TO PEDESTRIANS WHEN DETOUR PATHS ARE PROVIDED. ALL PATHWAYS WILL BE 4 FEET IN WIDTH. ALL PEDESTRIAN DIRECTIONAL SIGNS SHALL BE LIGHTED FOR NIGHT USE.
 12. ALL "CONSTRUCTION" SIGNS TO HAVE 12 VOLT HIGH INTENSITY FLASHING YELLOW LIGHTS. BARRELS TO HAVE LOW INTENSITY STEADY BURN YELLOW LIGHTS. TYPE III BARRICADES TO HAVE A MIN. OF 2 LOW INTENSITY FLASHING YELLOW LIGHTS.
 13. THE MAXIMUM SPACING BETWEEN CHANNELIZING DEVICES SHALL BE APPROXIMATELY EQUAL IN FEET TO THE SPEED LIMIT.
 14. FLASHING ARROW BOARDS SHALL BE BATTERY OPERATED.
 15. DETOUR ROUTES MUST BE ADVERTISED IN TIMES-PICAYUNE AT LEAST 1 WEEK BEFORE CLOSURE OF BRIDGE.

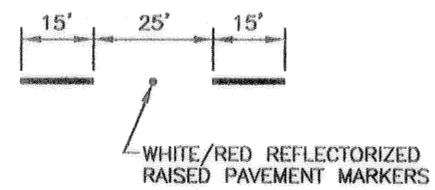


SYMBOL	DESCRIPTION	DATE	APPROVED
REVISIONS			
U.S. ARMY ENGINEER DISTRICT, NEW ORLEANS CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA			
BOARD OF LEVEE COMMISSIONERS ORLEANS LEVEE DISTRICT NEW ORLEANS, LOUISIANA		LINFIELD, HUNTER & JUNIUS, INC. CONSULTING ENGINEERS AND ARCHITECTS 3500 North Causeway Blvd, Suite 200 Metairie, Louisiana 70002	
LAKE PONCHARTRAIN, LA. AND VICINITY HIGH LEVEL PLAN LONDON AVE. OUTFALL CANAL, PARALLEL PROTECTION FLOODPROOFING OF LEON C. SIMON BLVD. BRIDGE ORLEANS PARISH, LOUISIANA			
DETOUR SIGNAGE PLAN			
DESIGNED BY: SGJ	DATE: FEB. 1998	PLOT SCALE: 144	PLOT DATE: 2/20/98
DRAWN BY: CMB	CADD FILE: 44732BLK.DGN	FILE NO. H-4-44955	
CHECKED BY: SGJ	SOLICITATION NO. DACW29-98-B-0065	DWG. 27 OF 68	
SUBMITTED BY: A. GODDIGN DESIGN ENGINEER			

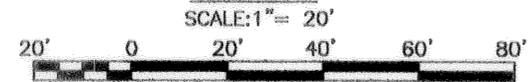


LEGEND

- ① 4" SOLID WHITE LINE
- ② 4" SOLID YELLOW LINE
- ③ 6" YELLOW LINE (CORNER ZONE)
- ④ 12" SOLID WHITE STOP BAR
LOCATE 4' BEHIND CROSS WALK LINE
- ⑤ 4" BROKEN WHITE LINE
(15' LINE--25' SKIP PATTERN)
SEE DETAIL A THIS SHEET
- ⑥ 6" SOLID WHITE LINE (CROSSWALK LINES)
- ⑦ 8" SOLID YELLOW DIAGONAL LINE
45° AT 7' O.C.

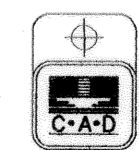


DETAIL A



NOTES

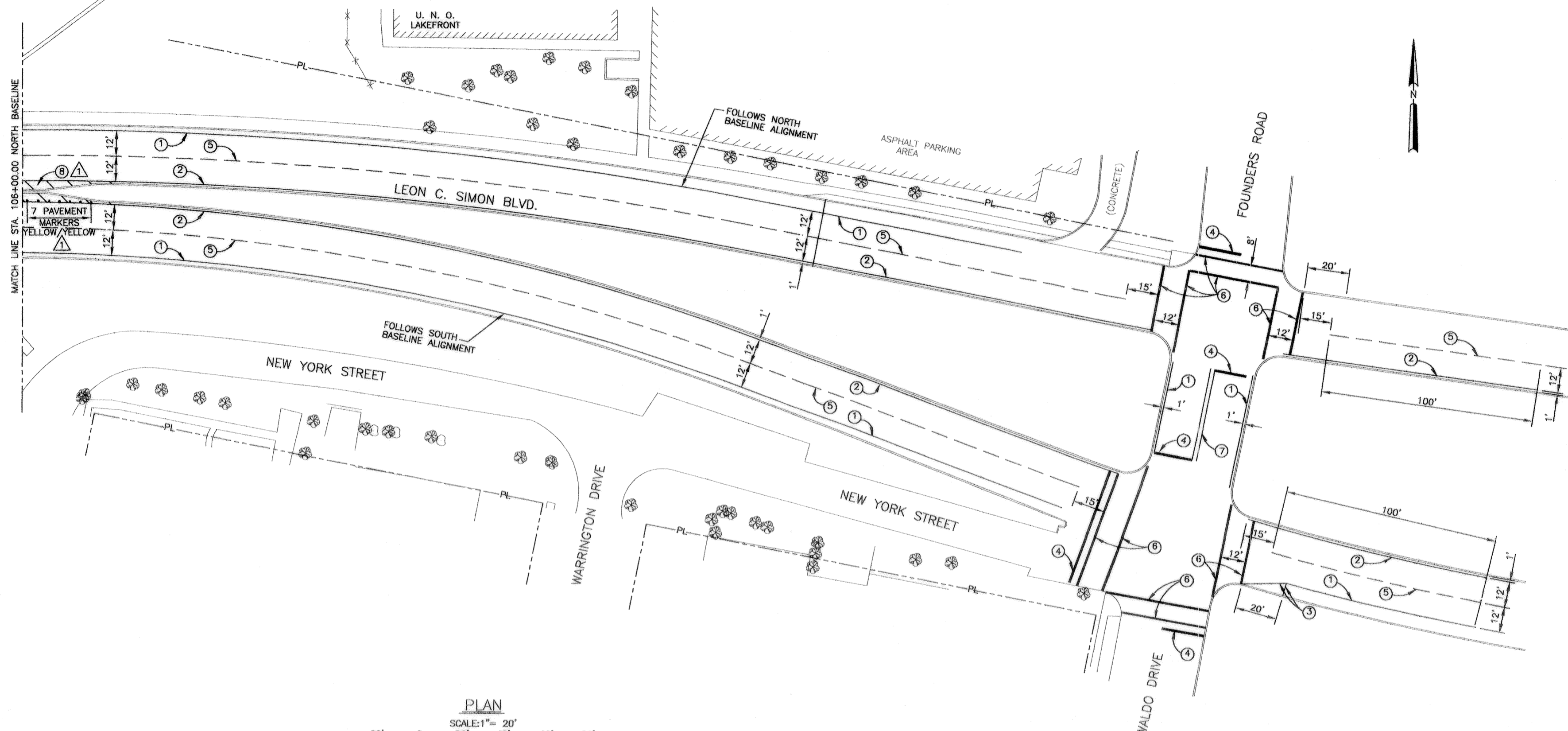
1. ALL PAVEMENT MARKINGS SHALL BE INSTALLED AS PER THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES. (MUTCD)
2. ALL PAVEMENT MARKINGS SHALL CONFORM TO THE REQUIREMENTS OF THE CITY OF NEW ORLEANS DEPARTMENT OF PUBLIC WORKS.
3. FOR GENERAL NOTES SEE DWG. 2 & 3. CONTRACTOR SHALL LOCATE, INVENTORY, REMOVE, AND STORED (IN DESIGNATED STAGING AREAS) ALL EXISTING STREET SIGNS AFFECTED BY PROJECT CONSTRUCTION. SIGNS SHALL BE REPLACED AT COMPLETION OF PROJECT.



SYMBOL	DESCRIPTION	DATE	APPROVED
REVISIONS			
U.S. ARMY ENGINEER DISTRICT, NEW ORLEANS CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA			
BOARD OF LEVEE COMMISSIONERS ORLEANS LEVEE DISTRICT NEW ORLEANS, LOUISIANA		LINFIELD, HUNTER & JUNIUS, INC. CONSULTING ENGINEERS AND ARCHITECTS 3500 North Causeway Blvd, Suite 200 Metairie, Louisiana 70002	
LAKE PONTCHARTRAIN, LA. AND VICINITY HIGH LEVEL PLAN LONDON AVE. OUTFALL CANAL, PARALLEL PROTECTION FLOODPROOFING OF LEON C. SIMON BLVD. BRIDGE ORLEANS PARISH, LOUISIANA			
PERMANENT PAVEMENT MARKERS			
DESIGNED BY: M.K.A.	DATE: FEB. 1998	PLOT SCALE: 20	PLOT DATE: 2/20/98
DRAWN BY: T.F.B.	CADD FILE: 44732BLK.DGN	FILE NO. H-4-44955	
CHECKED BY: S.J.G.	SOLICITATION NO. DACW29-98-B-0065		
SUBMITTED BY: A. GOODSON DESIGN ENGINEER	DWG. 28 OF 68		

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LEGEND

- ① 4" SOLID WHITE LINE
- ② 4" SOLID YELLOW LINE
- ③ 6" YELLOW LINE (CORNER ZONE)
- ④ 12" SOLID WHITE STOP BAR
LOCATE 4' BEHIND CROSS WALK LINE
- ⑤ 4" BROKEN WHITE LINE
(15' LINE-25' SKIP PATTERN)
- ⑥ 6" SOLID WHITE LINE (CROSSWALK LINES)
- ⑦ DOUBLE 4" SOLID YELLOW CENTERLINE
- ⑧ 8" SOLID YELLOW DIAGONAL LINE
45° AT 7' O.C.

NOTES

1. ALL PAVEMENT MARKINGS SHALL BE INSTALLED AS PER THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES. (MUTCD)
2. ALL PAVEMENT MARKINGS SHALL CONFORM TO THE REQUIREMENTS OF THE CITY OF NEW ORLEANS DEPARTMENT OF PUBLIC WORKS.
3. FOR GENERAL NOTES SEE DWG. 2 & 3. CONTRACTOR SHALL LOCATE, INVENTORY, REMOVE, AND STORE (IN DESIGNATED STAGING AREAS) ALL EXISTING STREET SIGNS AFFECTED BY PROJECT CONSTRUCTION. SIGNS SHALL BE REPLACED AT COMPLETION OF PROJECT.

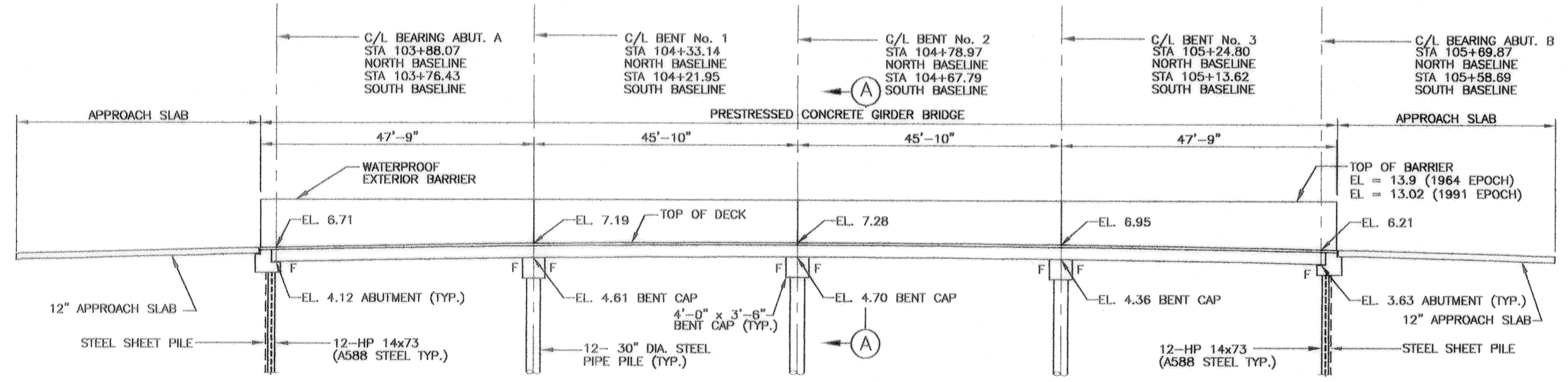
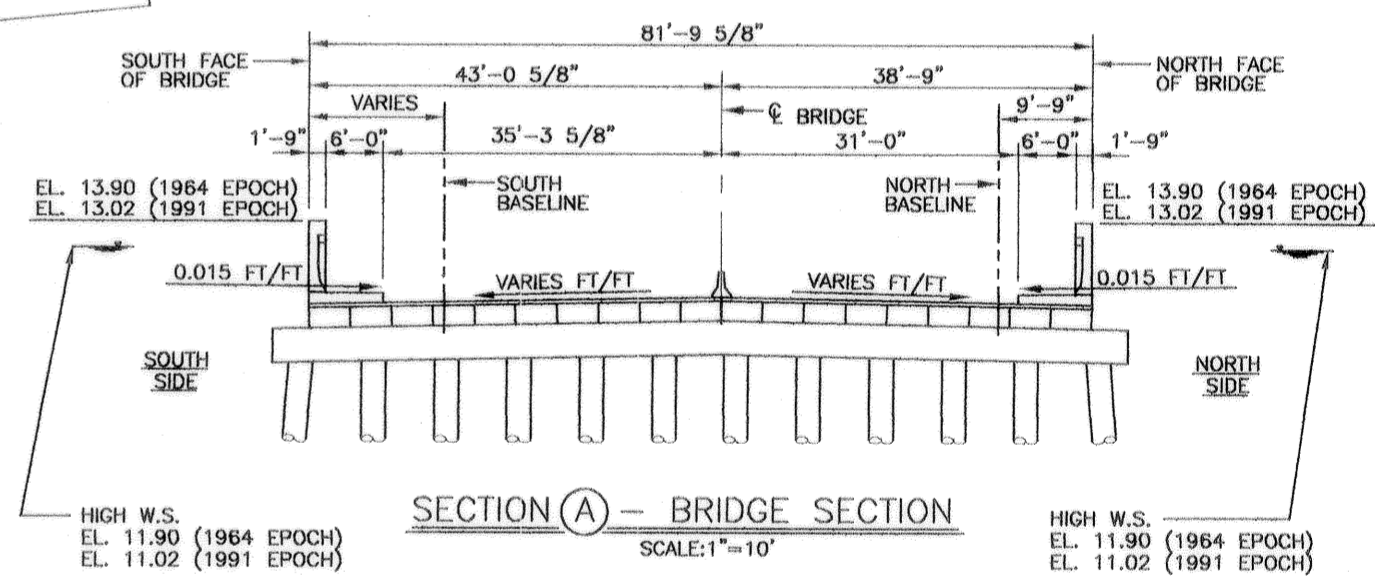
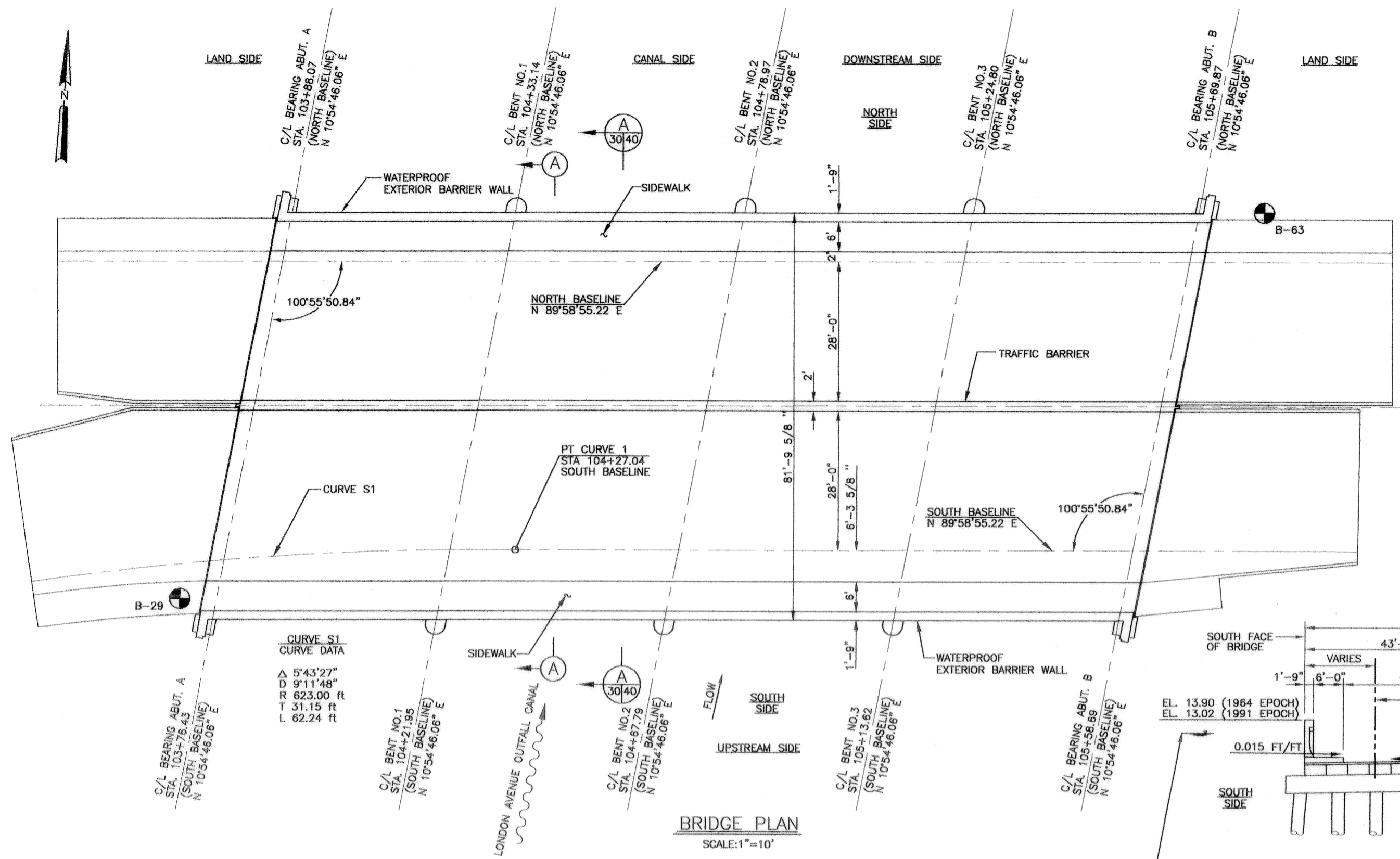
SYMBOL	DESCRIPTION	DATE	APPROVED
REVISIONS			
U.S. ARMY ENGINEER DISTRICT, NEW ORLEANS CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA			
BOARD OF LEVEE COMMISSIONERS ORLEANS LEVEE DISTRICT NEW ORLEANS, LOUISIANA		LINFIELD, HUNTER & JUNIUS, INC. CONSULTING ENGINEERS AND ARCHITECTS 3500 North Causeway Blvd. Suite 200 Metairie, Louisiana 70002	
LAKE PONTCHARTRAIN, LA. AND VICINITY HIGH LEVEL PLAN LONDON AVE. OUTFALL CANAL, PARALLEL PROTECTION FLOODPROOFING OF LEON C. SIMON BLVD. BRIDGE ORLEANS PARISH, LOUISIANA			
PERMANENT PAVEMENT MARKERS			
DESIGNED BY: MKA	DATE: FEB. 1998	PLOT SCALE: 20	PLOT DATE: 2/20/98
DRAWN BY: TFB	CADD FILE: 44732RLK.DGN	FILE NO. H-4-44955	
CHECKED BY: SJG	SUBMITTED BY: A. GOODGION DESIGN ENGINEER	SOLICITATION NO. DACW29-98-B-0065	DWG. 29 OF 68



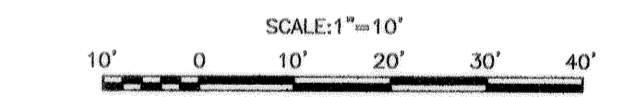
AS BUILT

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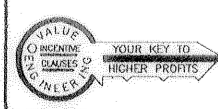
- NOTE:
1. FOR GENERAL NOTES, SEE DWG. 2 & 3.
 2. FOR FLOODWALL LAYOUT AND PLAN, SEE DWG. 49.
 3. FOR BORING LOGS, SEE DWG. 63.
 4. FOR PILE DETAILS, SEE DWG. 46.
 5. EXISTING FLOODWALLS NOT SHOWN FOR CLARITY.
 6. FOR FLOODWALLS, SEE DWG. 49.

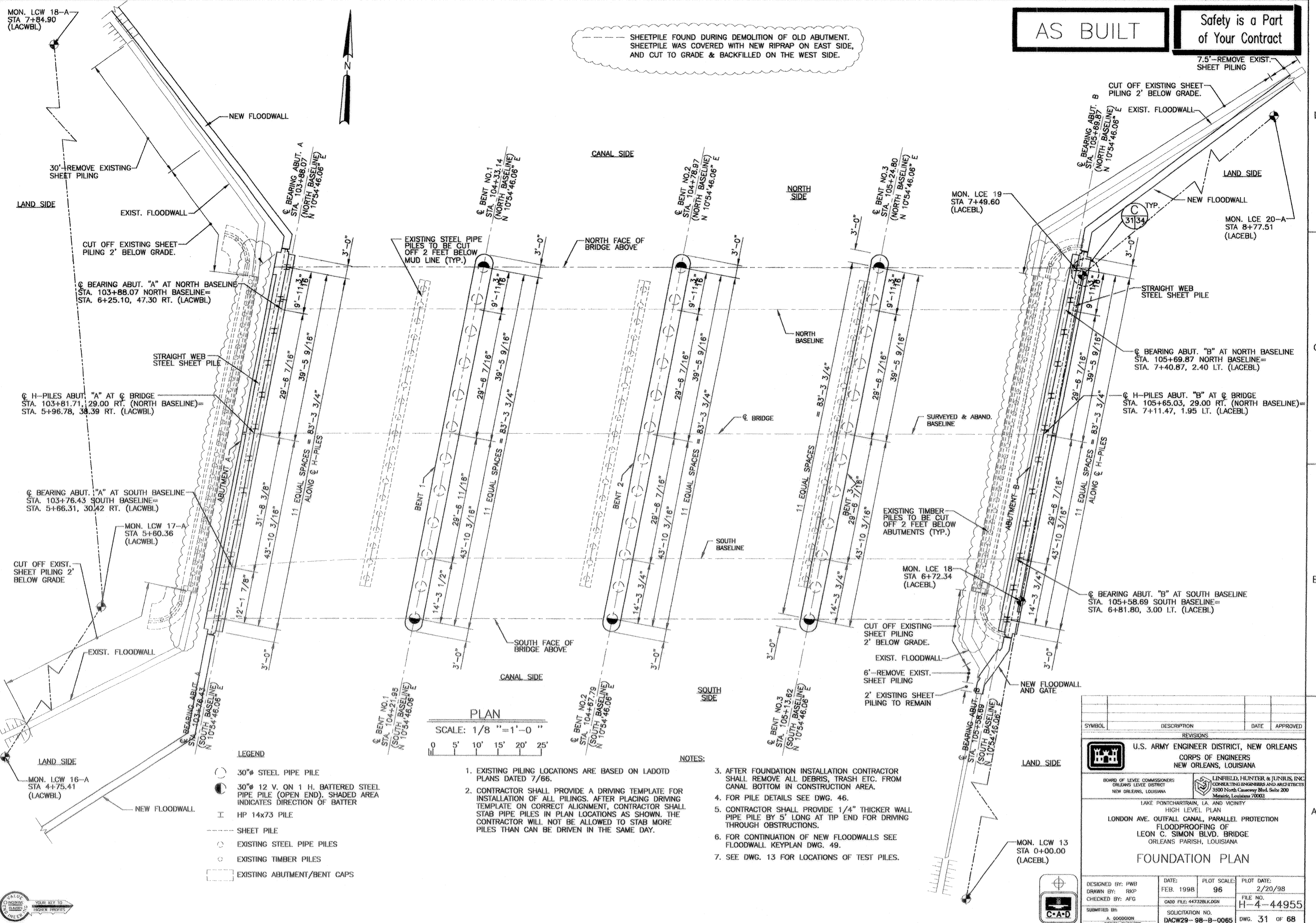


30" DIA. PIPE PILE - TIP ELEVATION -92 NGVD
 HP14x73 PILE - TIP ELEVATION -90 NGVD



SYMBOL	DESCRIPTION	DATE	APPROVED
REVISIONS			
U.S. ARMY ENGINEER DISTRICT, NEW ORLEANS CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA			
BOARD OF LEVEE COMMISSIONERS ORLEANS LEVEE DISTRICT NEW ORLEANS, LOUISIANA		LINFIELD, HUNTER & JUNIUS, INC. CONSULTING ENGINEERS AND ARCHITECTS 3500 North Causeway Blvd, Suite 200 Metairie, Louisiana 70002	
LAKE PONTCHARTRAIN, LA. AND VICINITY HIGH LEVEL PLAN LONDON AVE. OUTFALL CANAL, PARALLEL PROTECTION FLOODPROOFING OF LEON C. SIMON BLVD. BRIDGE ORLEANS PARISH, LOUISIANA			
BRIDGE PLAN AND ELEVATION			
DESIGNED BY: PWB	DATE: FEB. 1998	PLOT SCALE: 10	PLOT DATE: 2/20/98
DRAWN BY: RKP	CHECKED BY: AFG	CADD FILE: 44732BLK.DGN	FILE NO. H-4-44955
SUBMITTED BY:	SOLICITATION NO. DACW29-98-B-0065	DWG. 30 OF 68	





SHEETPILE FOUND DURING DEMOLITION OF OLD ABUTMENT. SHEETPILE WAS COVERED WITH NEW RIPRAP ON EAST SIDE, AND CUT TO GRADE & BACKFILLED ON THE WEST SIDE.

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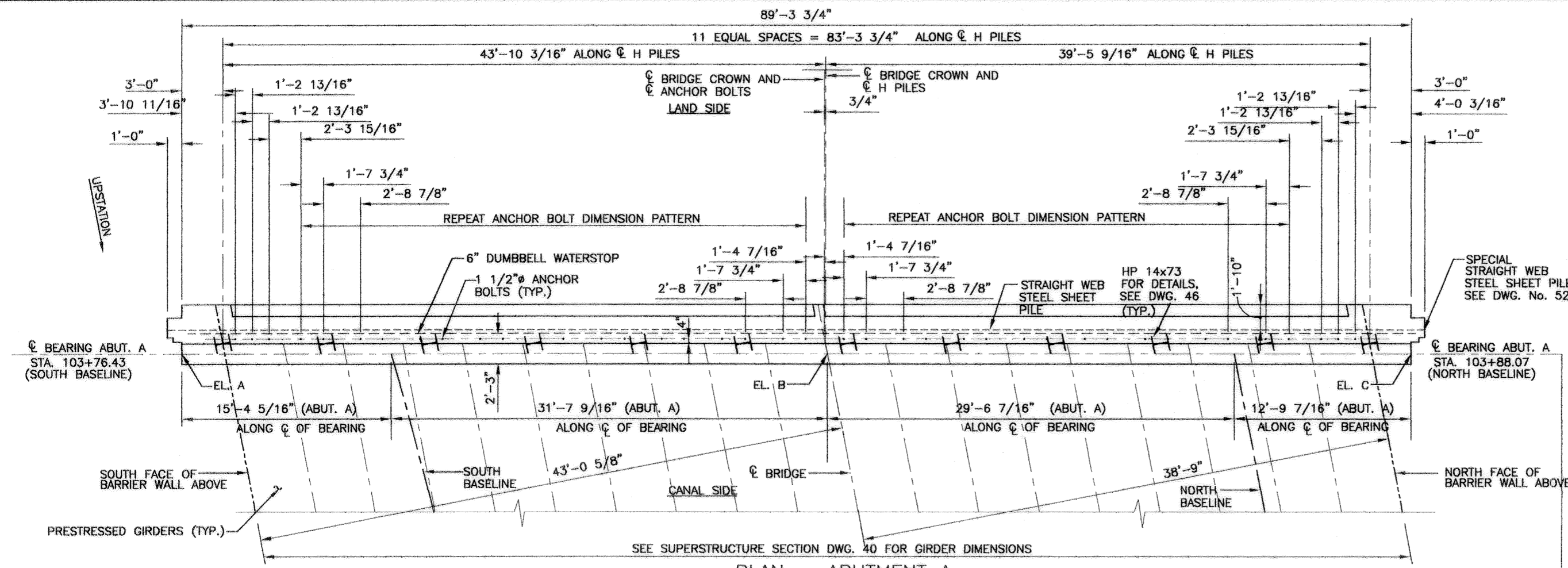
PLAN
SCALE: 1/8" = 1'-0"

- LEGEND**
- 30"Ø STEEL PIPE PILE
 - 30"Ø 12 V. ON 1 H. BATTERED STEEL PIPE PILE (OPEN END). SHADED AREA INDICATES DIRECTION OF BATTER
 - ⊥ HP 14x73 PILE
 - SHEET PILE
 - EXISTING STEEL PIPE PILES
 - EXISTING TIMBER PILES
 - EXISTING ABUTMENT/BENT CAPS

- NOTES:**
1. EXISTING PILING LOCATIONS ARE BASED ON LADOTD PLANS DATED 7/66.
 2. CONTRACTOR SHALL PROVIDE A DRIVING TEMPLATE FOR INSTALLATION OF ALL PILING. AFTER DRIVING TEMPLATE ON CORRECT ALIGNMENT, CONTRACTOR SHALL STAB PIPE PILES IN PLAN LOCATIONS AS SHOWN. THE CONTRACTOR WILL NOT BE ALLOWED TO STAB MORE PILES THAN CAN BE DRIVEN IN THE SAME DAY.
 3. AFTER FOUNDATION INSTALLATION CONTRACTOR SHALL REMOVE ALL DEBRIS, TRASH ETC. FROM CANAL BOTTOM IN CONSTRUCTION AREA.
 4. FOR PILE DETAILS SEE DWG. 46.
 5. CONTRACTOR SHALL PROVIDE 1/4" THICKER WALL PIPE PILE BY 5' LONG AT TIP END FOR DRIVING THROUGH OBSTRUCTIONS.
 6. FOR CONTINUATION OF NEW FLOODWALLS SEE FLOODWALL KEYPLAN DWG. 49.
 7. SEE DWG. 13 FOR LOCATIONS OF TEST PILES.

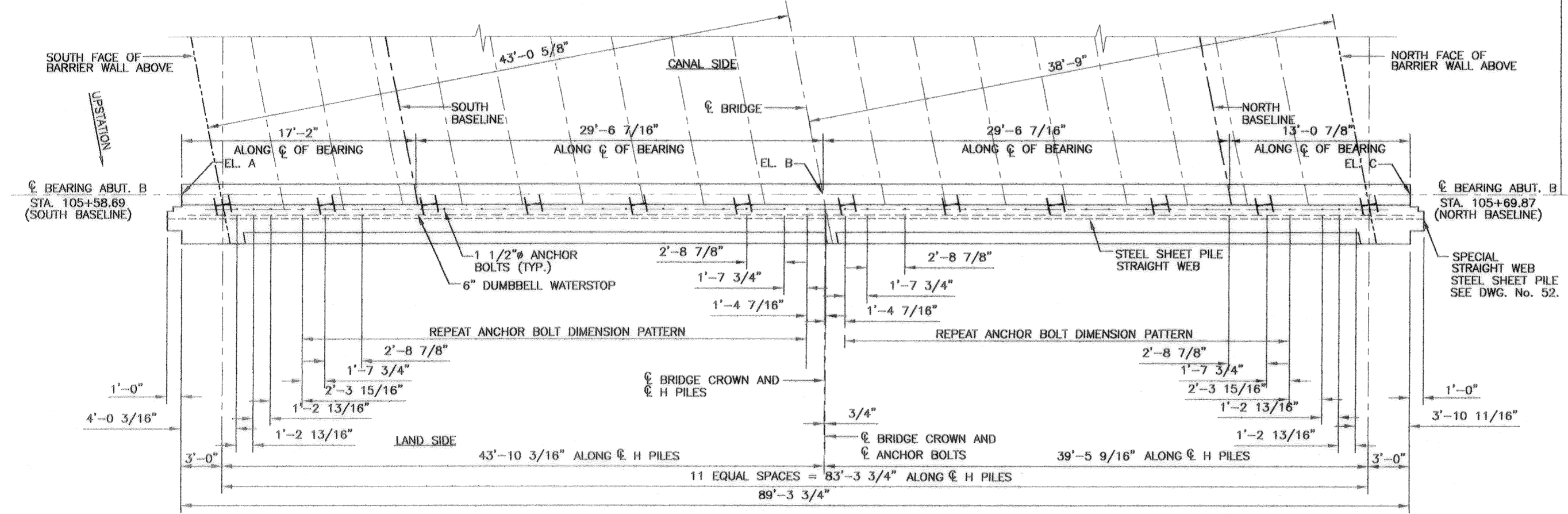
SYMBOL	DESCRIPTION	DATE	APPROVED
REVISIONS			
U.S. ARMY ENGINEER DISTRICT, NEW ORLEANS CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA			
BOARD OF LEVEE COMMISSIONERS ORLEANS LEVEE DISTRICT NEW ORLEANS, LOUISIANA		LINFIELD, HUNTER & JUNIUS, INC. CONSULTING ENGINEERS AND ARCHITECTS 3500 North Causeway Blvd, Suite 200 Metairie, Louisiana 70002	
LAKE PONTCHARTRAIN, LA. AND VICINITY HIGH LEVEL PLAN LONDON AVE. OUTFALL CANAL, PARALLEL PROTECTION FLOODPROOFING OF LEON C. SIMON BLVD. BRIDGE ORLEANS PARISH, LOUISIANA			
FOUNDATION PLAN			
DESIGNED BY: PWB	DATE: FEB. 1998	PLOT SCALE: 96	PLOT DATE: 2/20/98
DRAWN BY: RKP	CADD FILE: 44732BLK.DGN	FILE NO. H-4-44955	
CHECKED BY: AFG	SOLICITATION NO. DACW29-98-B-0065	DWG. 31 OF 68	
SUBMITTED BY: A. GOODSON DESIGN ENGINEER			

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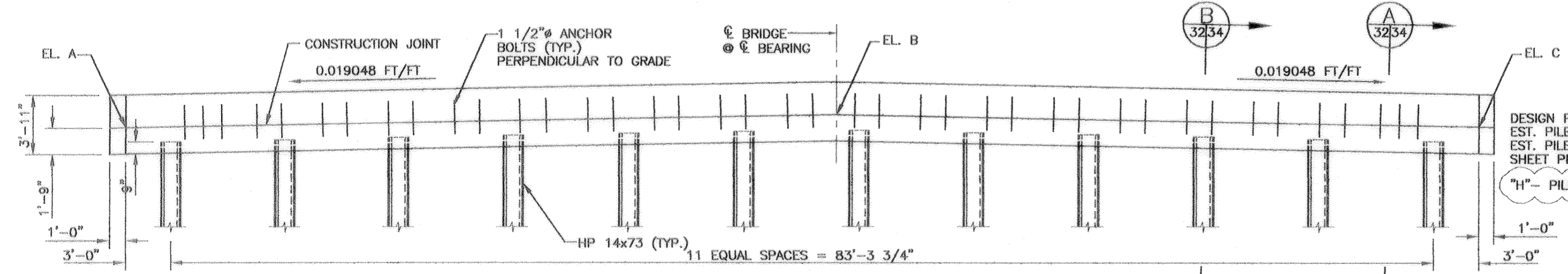


PLAN - ABUTMENT A
SCALE: 1/4" = 1'-0"

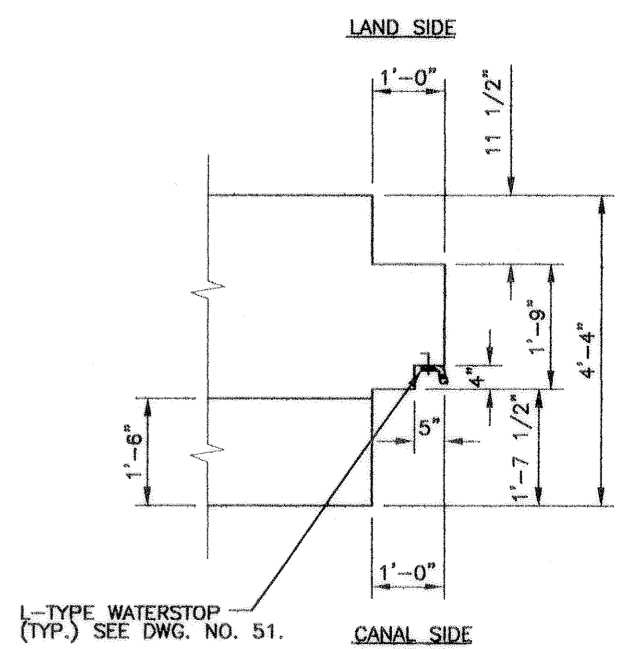
NOTE: EXISTING ABUTMENT AND PILINGS NOT SHOWN FOR CLARITY



PLAN - ABUTMENT B
SCALE: 1/4" = 1'-0"



ELEVATION
SCALE: 1/4" = 1'-0"



PLAN DETAIL
SCALE: 3/4" = 1'-0"
ABUTMENT EXTENSION

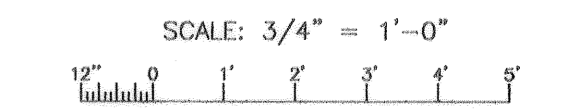
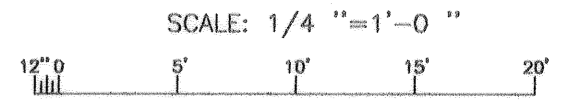
ABUTMENT A

LOCATION	ELEVATION
EL. A	3.79
EL. B	4.68
EL. C	3.87

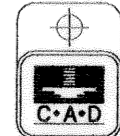
ABUTMENT B

LOCATION	ELEVATION
EL. A	3.30
EL. B	4.19
EL. C	3.38

NOTE: ELEVATIONS @ CENTERLINE OF BEARING.

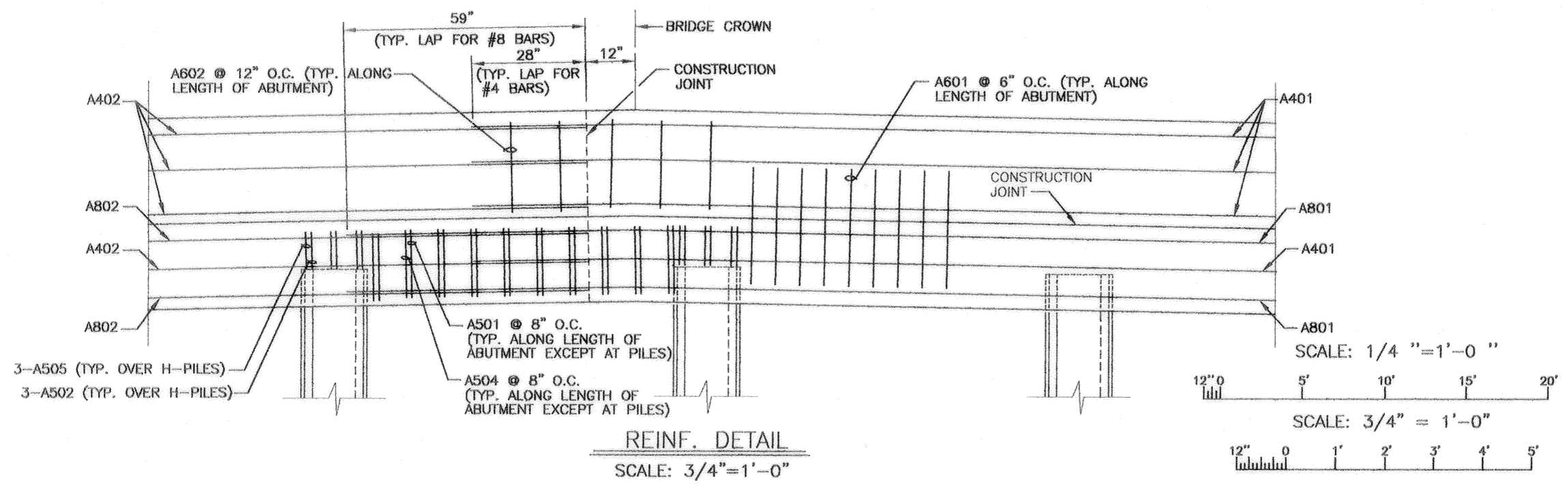
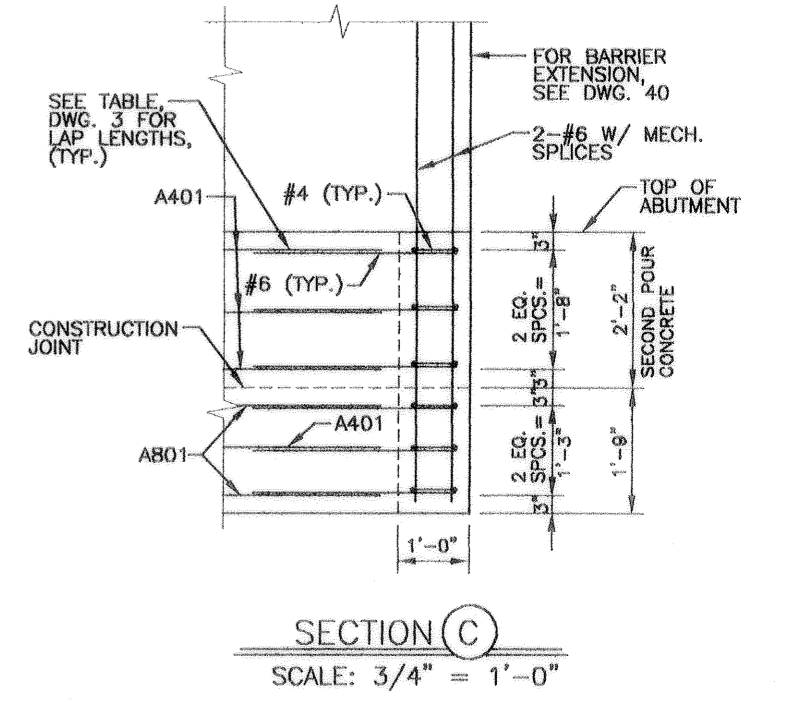
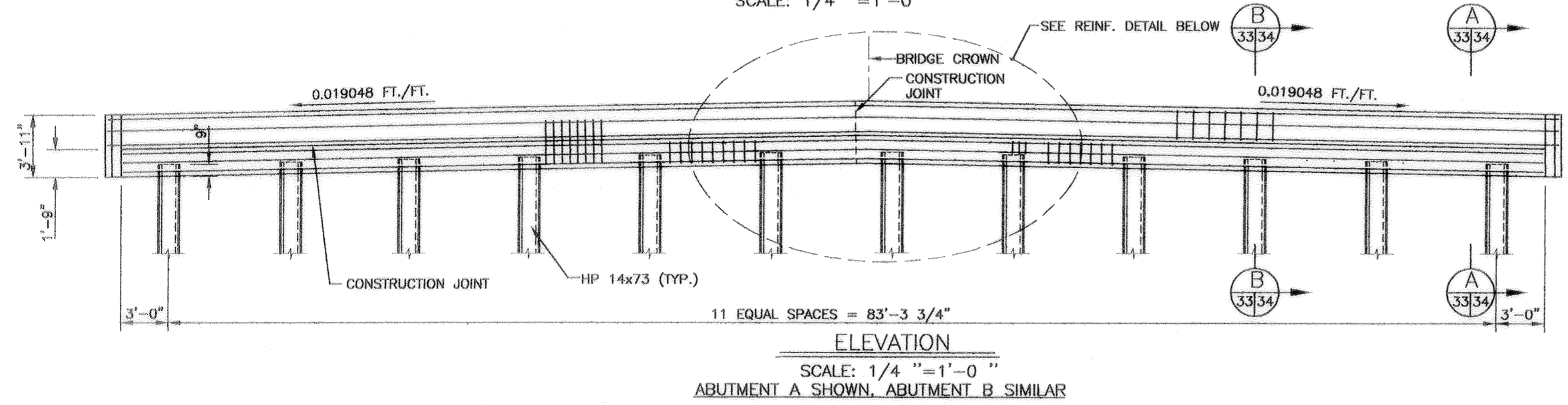
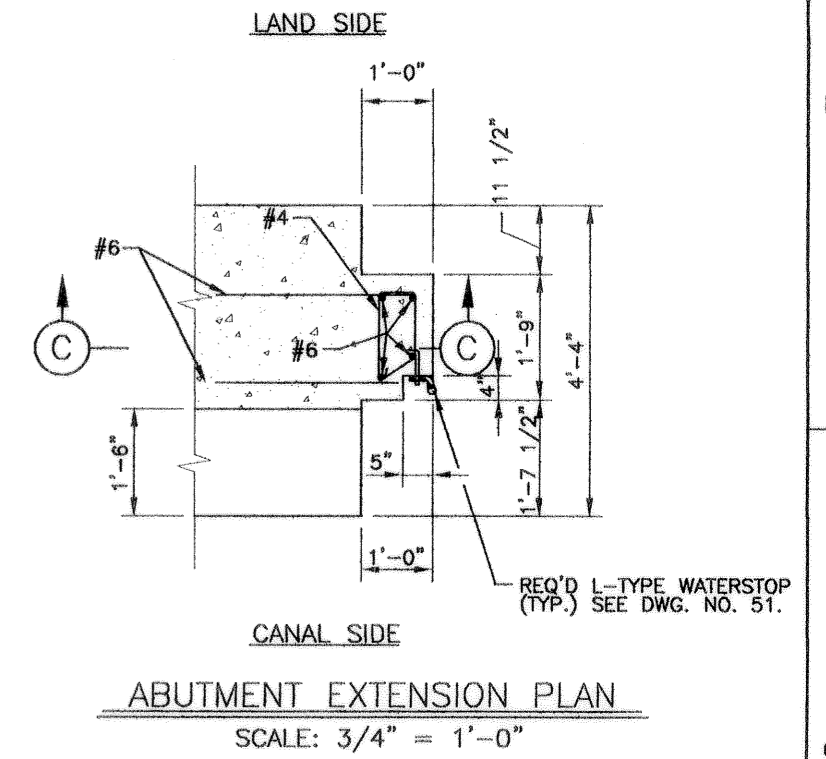
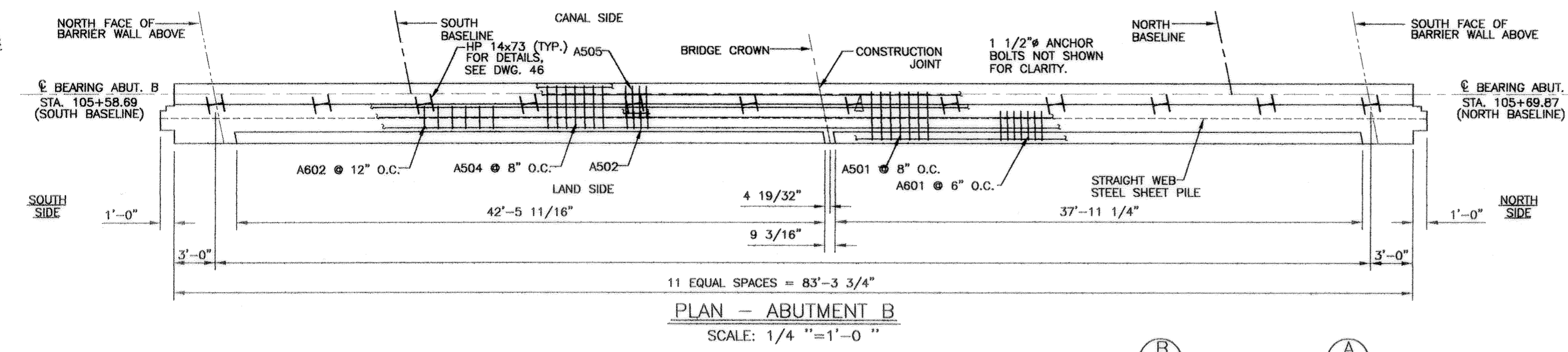
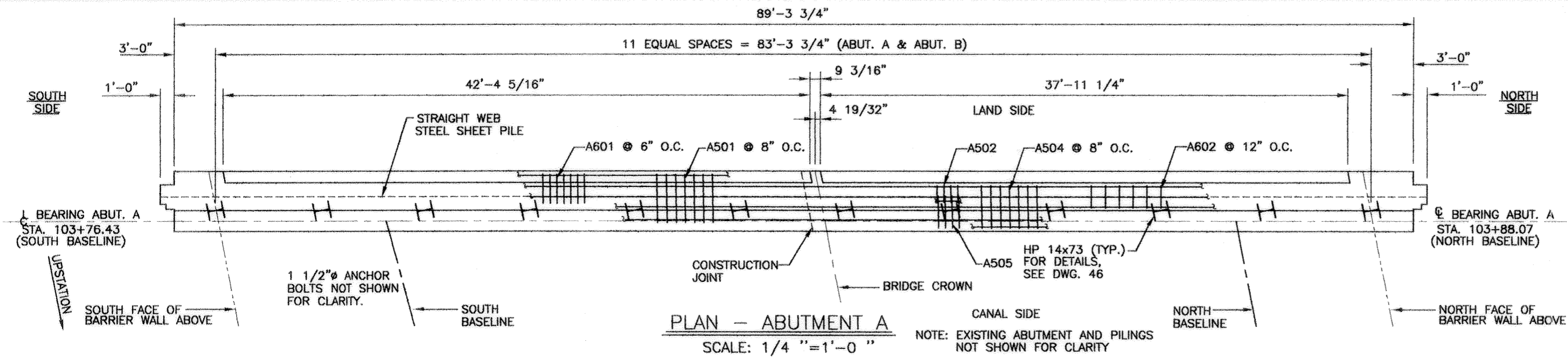


SYMBOL	DESCRIPTION	DATE	APPROVED
REVISIONS			
U.S. ARMY ENGINEER DISTRICT, NEW ORLEANS CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA			
BOARD OF LEVEE COMMISSIONERS ORLEANS LEVEE DISTRICT NEW ORLEANS, LOUISIANA		LINFIELD, HUNTER & JUNIUS, INC. CONSULTING ENGINEERS AND ARCHITECTS 3500 North Causeway Blvd. Suite 200 Metairie, Louisiana 70002	
LAKE PONTCHARTRAIN, LA. AND VICINITY HIGH LEVEL PLAN LONDON AVE. OUTFALL CANAL, PARALLEL PROTECTION FLOODPROOFING OF LEON C. SIMON BLVD. BRIDGE ORLEANS PARISH, LOUISIANA			
ABUTMENT PLAN & ELEVATION			
DESIGNED BY: PWB	DATE: FEB. 1998	PLOT SCALE: 48	PLOT DATE: 2/20/98
DRAWN BY: RKP	CADD FILE: 14732BLK.DGN	FILE NO. H-4-44955	
CHECKED BY: AFG	SUBMITTED BY: A. GOODWIN DESIGN ENGINEER	SOLICITATION NO. DACW29-98-B-0065	DWG. 32 OF 68



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SYMBOL	DESCRIPTION	DATE	APPROVED
REVISIONS			
U.S. ARMY ENGINEER DISTRICT, NEW ORLEANS CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA			
BOARD OF LEVEE COMMISSIONERS ORLEANS LEVEE DISTRICT NEW ORLEANS, LOUISIANA		LINFIELD, HUNTER & JUNIUS, INC. CONSULTING ENGINEERS AND ARCHITECTS 3500 North Canaway Blvd., Suite 200 Metairie, Louisiana 70002	
LAKE PONTCHARTRAIN, LA. AND VICINITY HIGH LEVEL PLAN LONDON AVE. OUTFALL CANAL, PARALLEL PROTECTION FLOODPROOFING OF LEON C. SIMON BLVD. BRIDGE ORLEANS PARISH, LOUISIANA			
ABUTMENT REINFORCEMENT DETAILS			
DESIGNED BY: PWB	DATE: FEB. 1998	PLOT SCALE: 48	PLOT DATE: 2/20/98
DRAWN BY: RKP	CADD FILE: 44732BLK.DGN	FILE NO. H-4-44955	
CHECKED BY: AFG	SUBMITTED BY: A. GOODGION	SOLICITATION NO. DACW29-98-B-0085	DWG. 33 OF 68

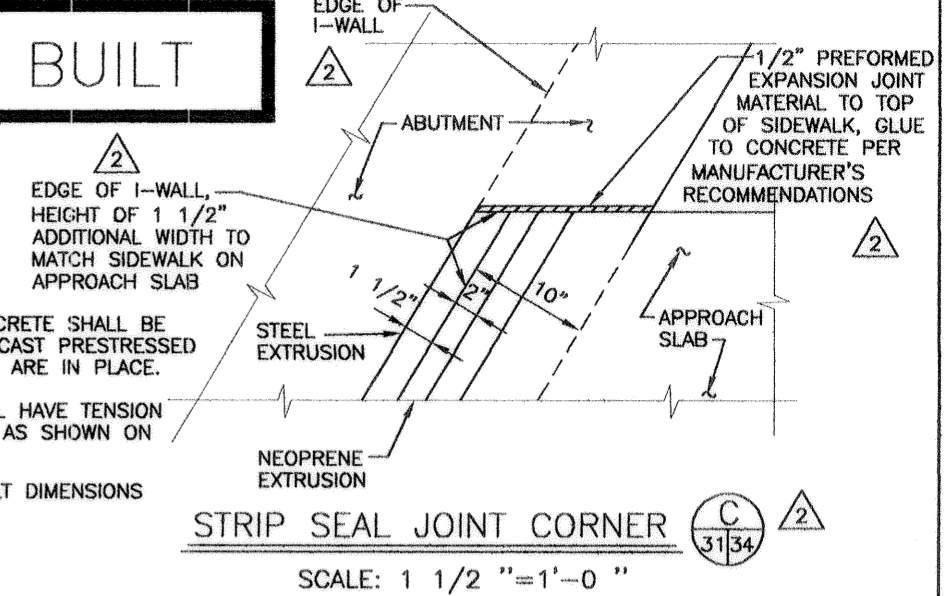
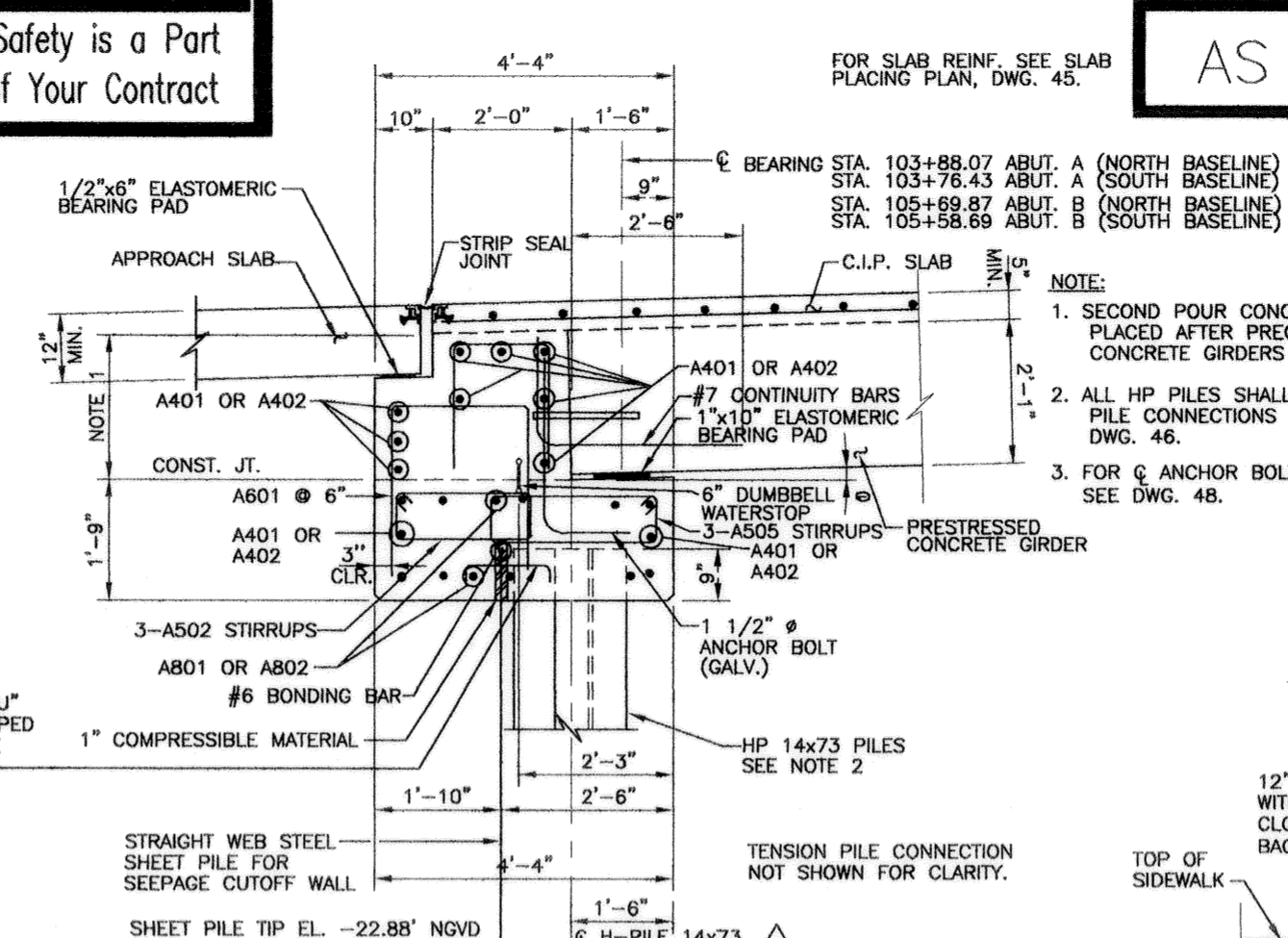
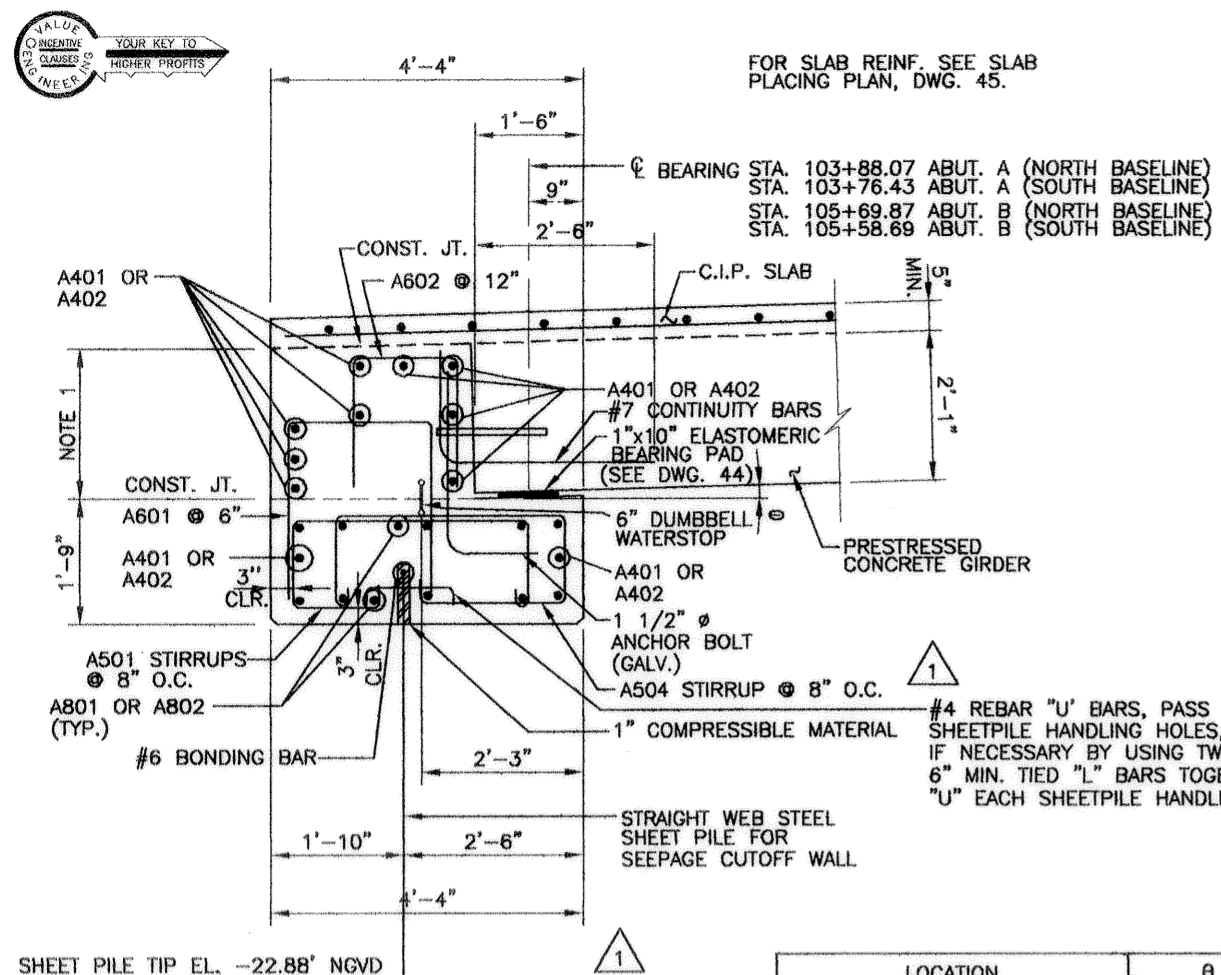


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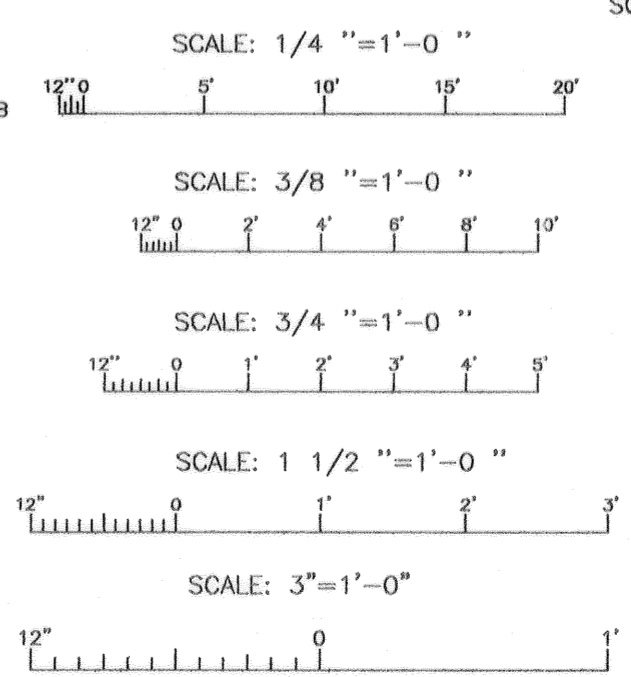
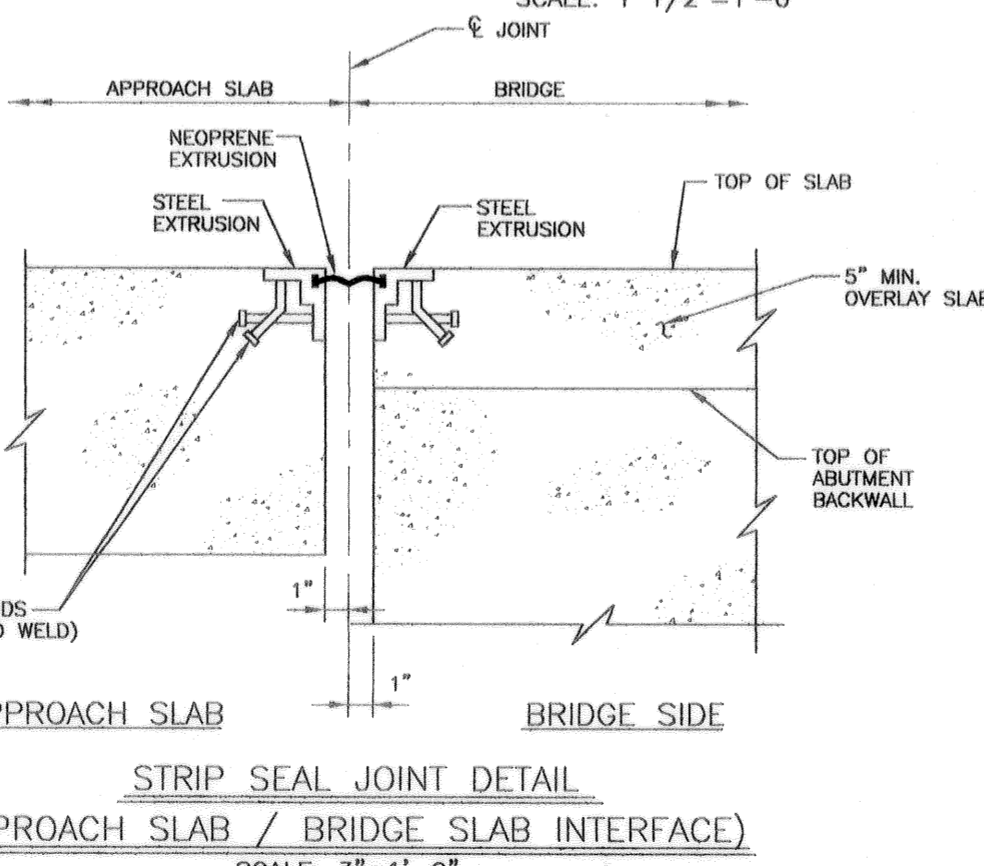
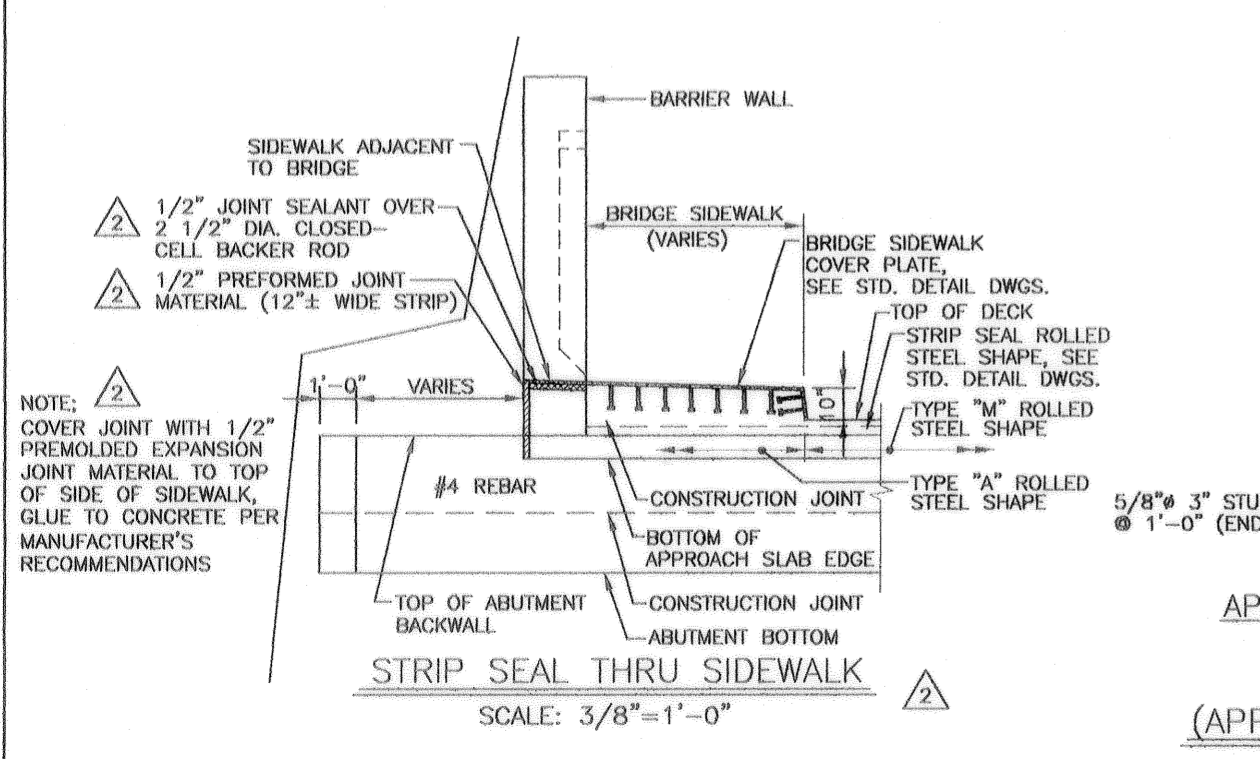
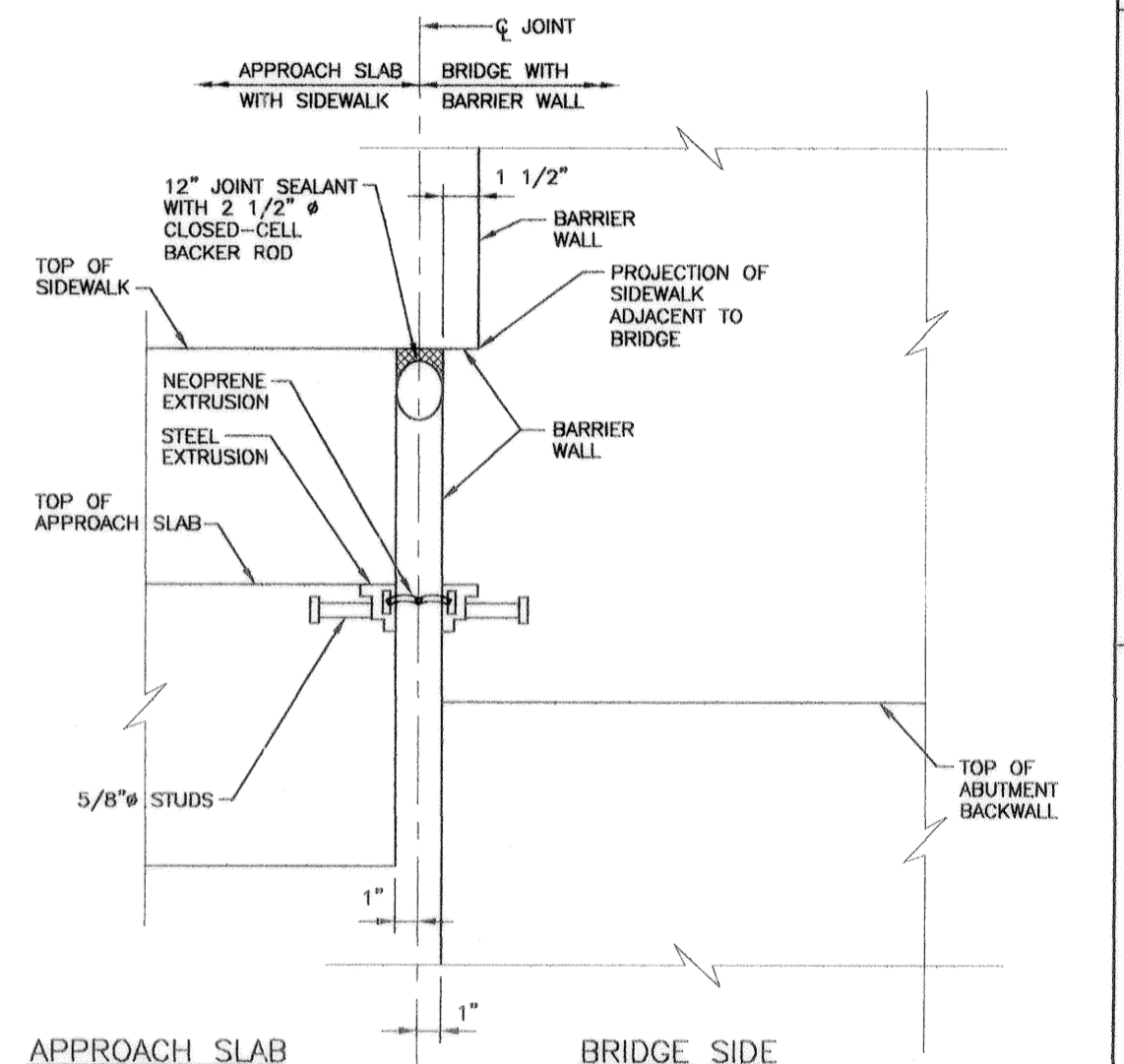
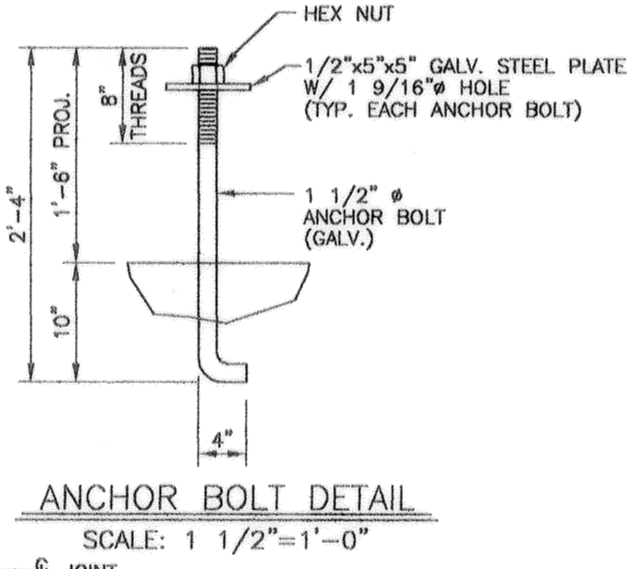
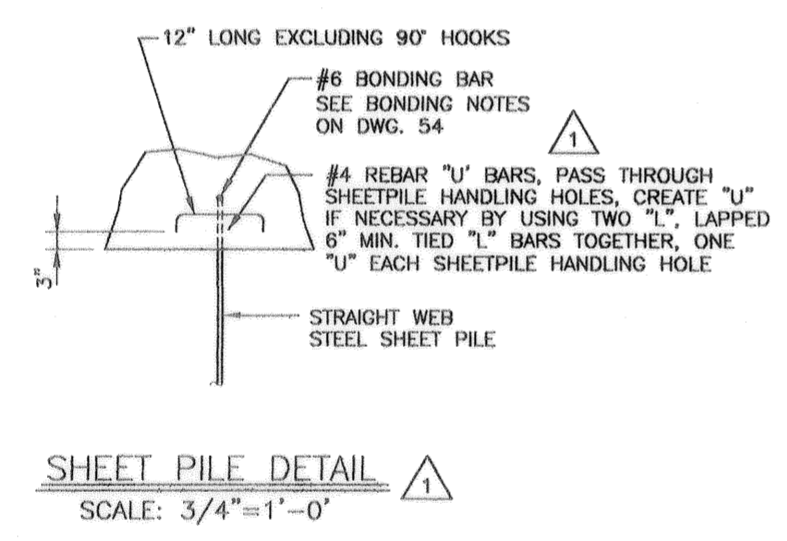
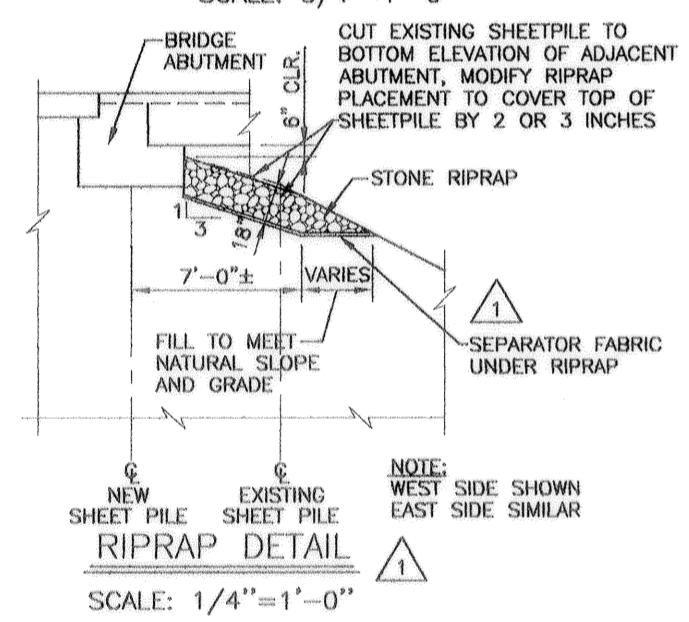
AS BUILT

FOR SLAB REINF. SEE SLAB PLACING PLAN, DWG. 45.

FOR SLAB REINF. SEE SLAB PLACING PLAN, DWG. 45.



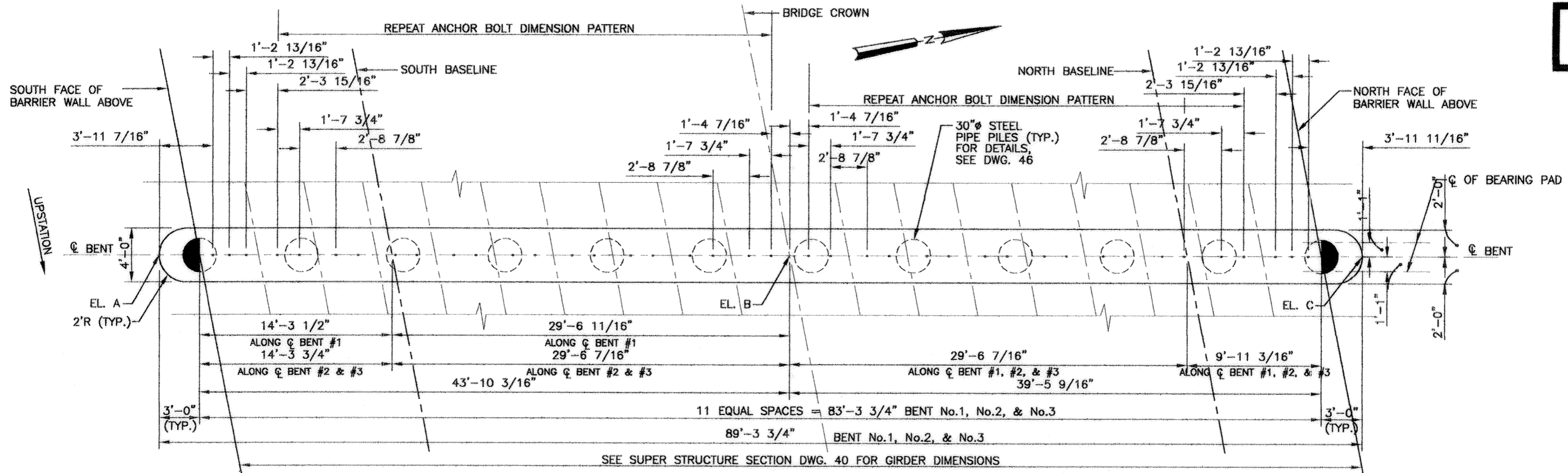
LOCATION	θ
ABUTMENT A - NORTH END	0°-50'-58.64"
ABUTMENT A - SOUTH END	0°-25'-41.27"
ABUTMENT B - NORTH END	0°-44'-37.06"
ABUTMENT B - SOUTH END	1°-09'-54.20"



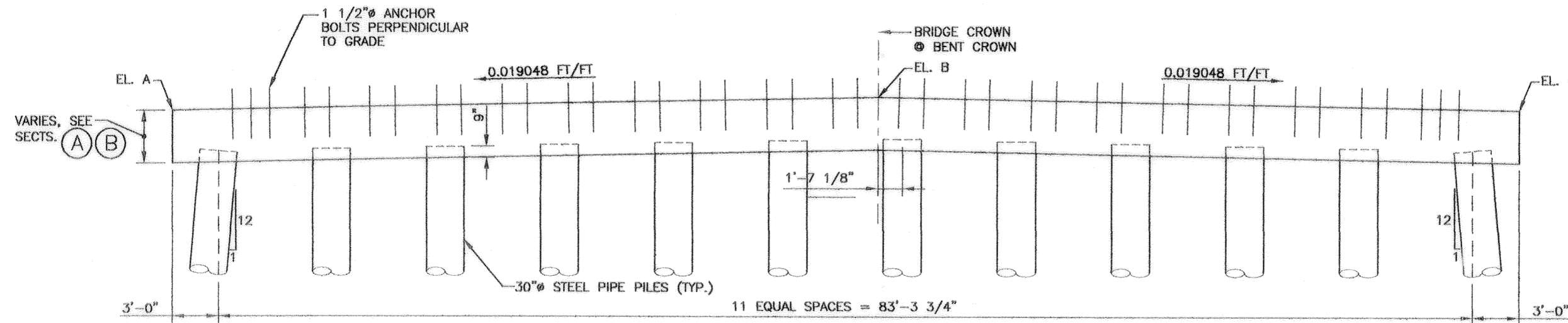
SYMBOL	DESCRIPTION	DATE	APPROVED
REVISIONS			
U.S. ARMY ENGINEER DISTRICT, NEW ORLEANS CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA			
BOARD OF LEVEE COMMISSIONERS ORLEANS LEVEE DISTRICT NEW ORLEANS, LOUISIANA		LINFIELD, HUNTER & JUNIUS, INC. CONSULTING ENGINEERS AND ARCHITECTS 3500 North Causeway Blvd. Suite 200 Metairie, Louisiana 70002	
LAKE PONCHARTRAIN, LA. AND VICINITY HIGH LEVEL PLAN			
LONDON AVE. OUTFALL CANAL, PARALLEL PROTECTION FLOODPROOFING OF LEON C. SIMON BLVD. BRIDGE ORLEANS PARISH, LOUISIANA			
ABUTMENT DETAILS			
DESIGNED BY: PWB	DATE: FEB. 1998	PLOT SCALE: 16	PLOT DATE: 2/20/98
DRAWN BY: WAY	CADD FILE: 447328LK.DGN	FILE NO. H-4-44955	
CHECKED BY: AFG	SOLICITATION NO. DACW29-98-B-0065	DWG. 34	OF 68
SUBMITTED BY: A. GOODSON DESIGN ENGINEER			

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PLAN
SCALE: 1/4" = 1'-0"



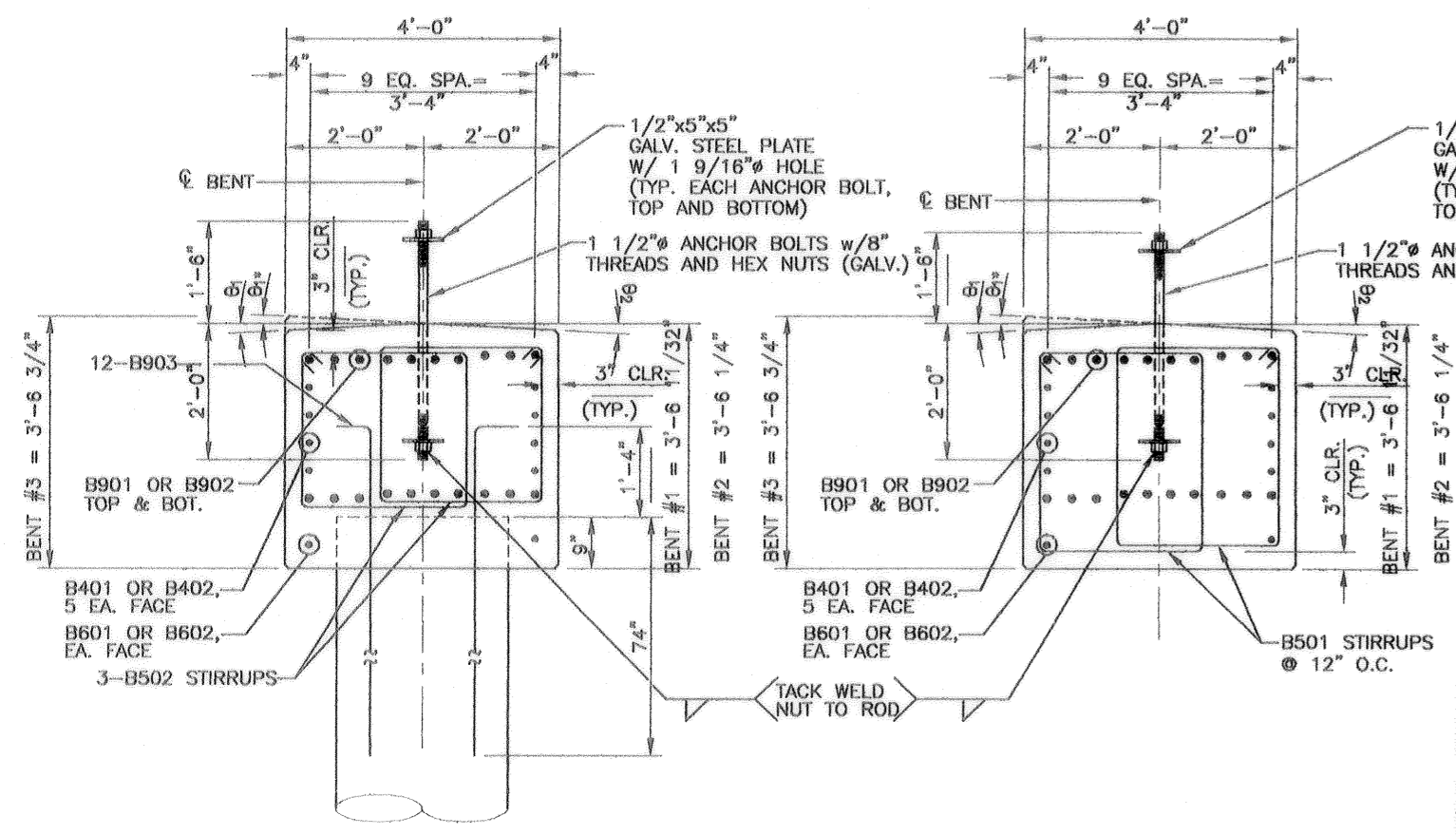
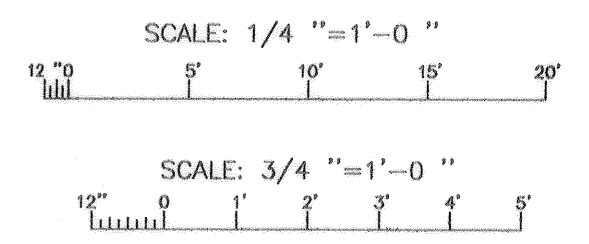
ELEVATION
SCALE: 1/4" = 1'-0"

DESIGN PILE LOAD = 117 TONS
EST. PILE TIP ELEV. = -92 N.G.V.D.
EST. PILE LENGTH = 93'

SEE DWG. 46 FOR PILE INFO.

BENT No.	EL. A	EL. B	EL. C
No.1	4.28	5.17	4.36
No.2	4.37	5.26	4.45
No.3	4.04	4.93	4.12

NOTE: ELEVATIONS ⊙ CENTERLINE OF BENT



SECTION A-A
SCALE: 3/4" = 1'-0"

SECTION B-B
SCALE: 3/4" = 1'-0"

LOCATION	θ ₁	θ ₂
BENT #1 NORTH END	0°-50'-58.64"	0°
BENT #1 SOUTH END	0°-25'-41.27"	0°
BENT #2 NORTH END	0°	0°-12'-42.77"
BENT #2 SOUTH END	0°	0°-38'-00.25"
BENT #3 NORTH END	* 0°-12'-42.77"	0°-44'-37.06"
BENT #3 SOUTH END	* 0°-38'-00.25"	1°-09'-54.20"

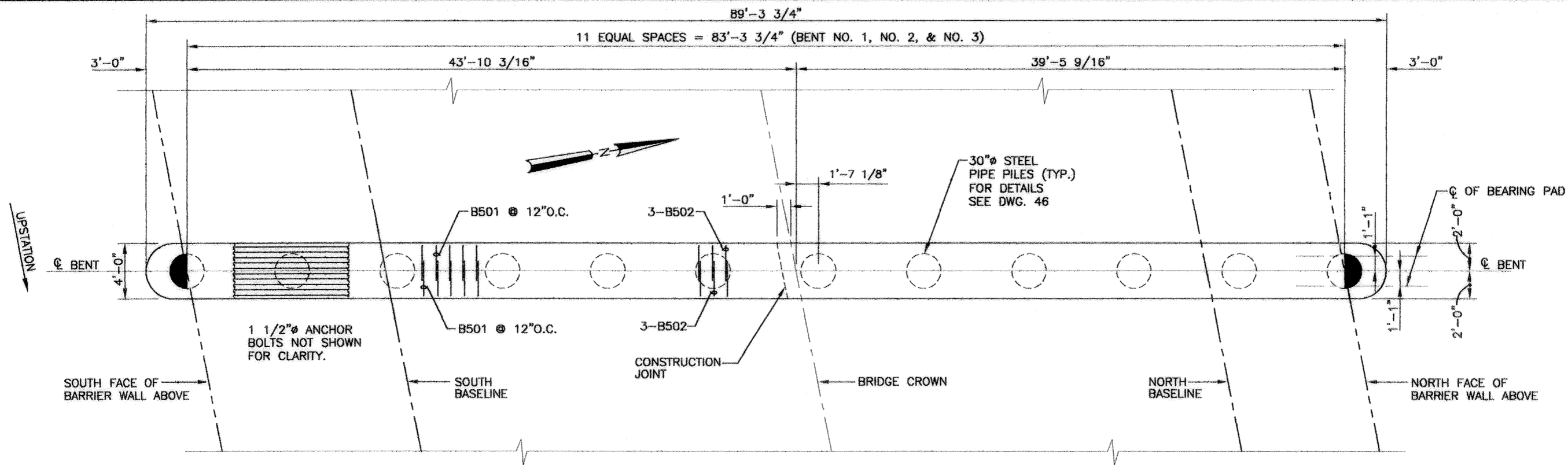
* THIS FACE OF BENT #3 ROTATES CLOCKWISE (UPWARDS) FROM HORIZONTAL

SYMBOL	DESCRIPTION	DATE	APPROVED
REVISIONS			
U.S. ARMY ENGINEER DISTRICT, NEW ORLEANS CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA			
BOARD OF LEVEE COMMISSIONERS ORLEANS LEVEE DISTRICT NEW ORLEANS, LOUISIANA		LINFIELD, HUNTER & JUNIUS, INC. CONSULTING ENGINEERS AND ARCHITECTS 3500 North Causeway Blvd, Suite 200 Metairie, Louisiana 70002	
LAKE PONTCHARTRAIN, LA. AND VICINITY HIGH LEVEL PLAN LONDON AVE. OUTFALL CANAL, PARALLEL PROTECTION FLOODPROOFING OF LEON C. SIMON BLVD. BRIDGE ORLEANS PARISH, LOUISIANA			
BENT PLAN, ELEV. & DETAILS			
DESIGNED BY: FWB	DATE: FEB. 1998	PLOT SCALE: 48	PLOT DATE: 2/20/98
DRAWN BY: RKP	CHECKED BY: AFG	CADD FILE: 44732BJK.DGN	FILE NO. H-4-44955
SUBMITTED BY:	A. GODDARD DESIGN ENGINEER	SOLICITATION NO. DACW29-98-B-0065	DWG. 35 OF 67

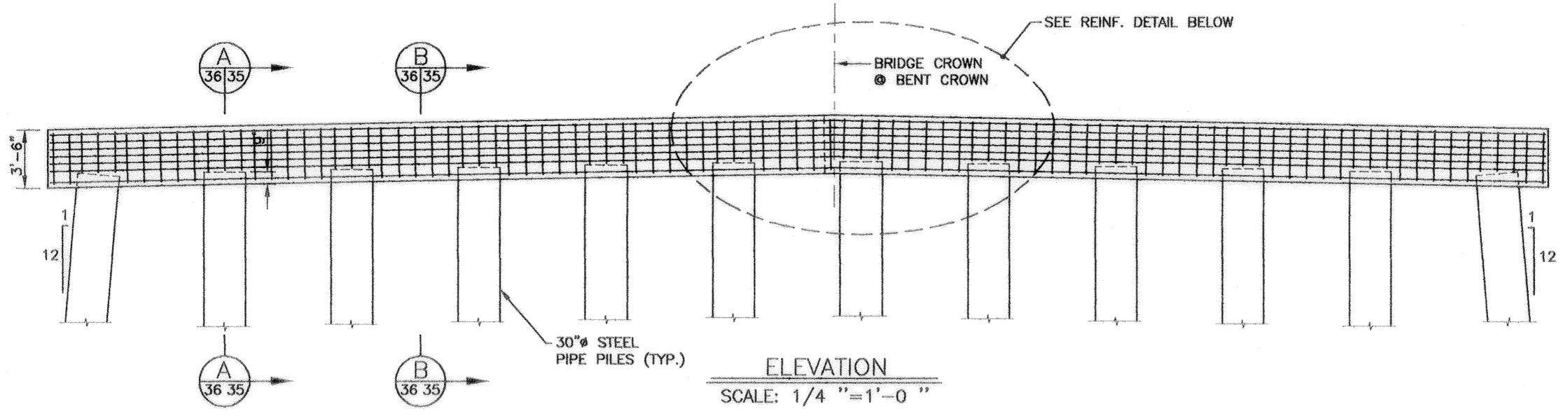


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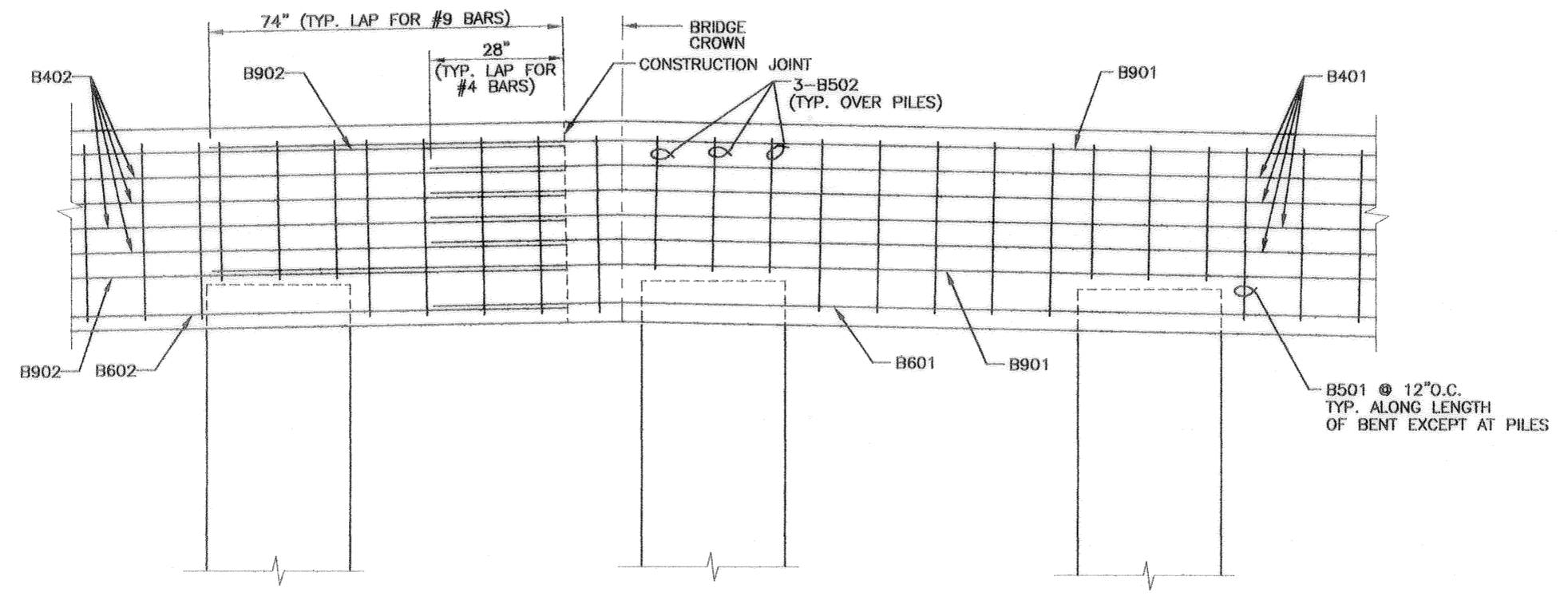
AS BUILT



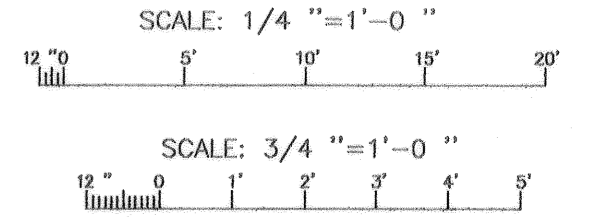
PLAN
SCALE: 1/4" = 1'-0"




ELEVATION
SCALE: 1/4" = 1'-0"



REINF. DETAIL
SCALE: 3/4" = 1'-0"

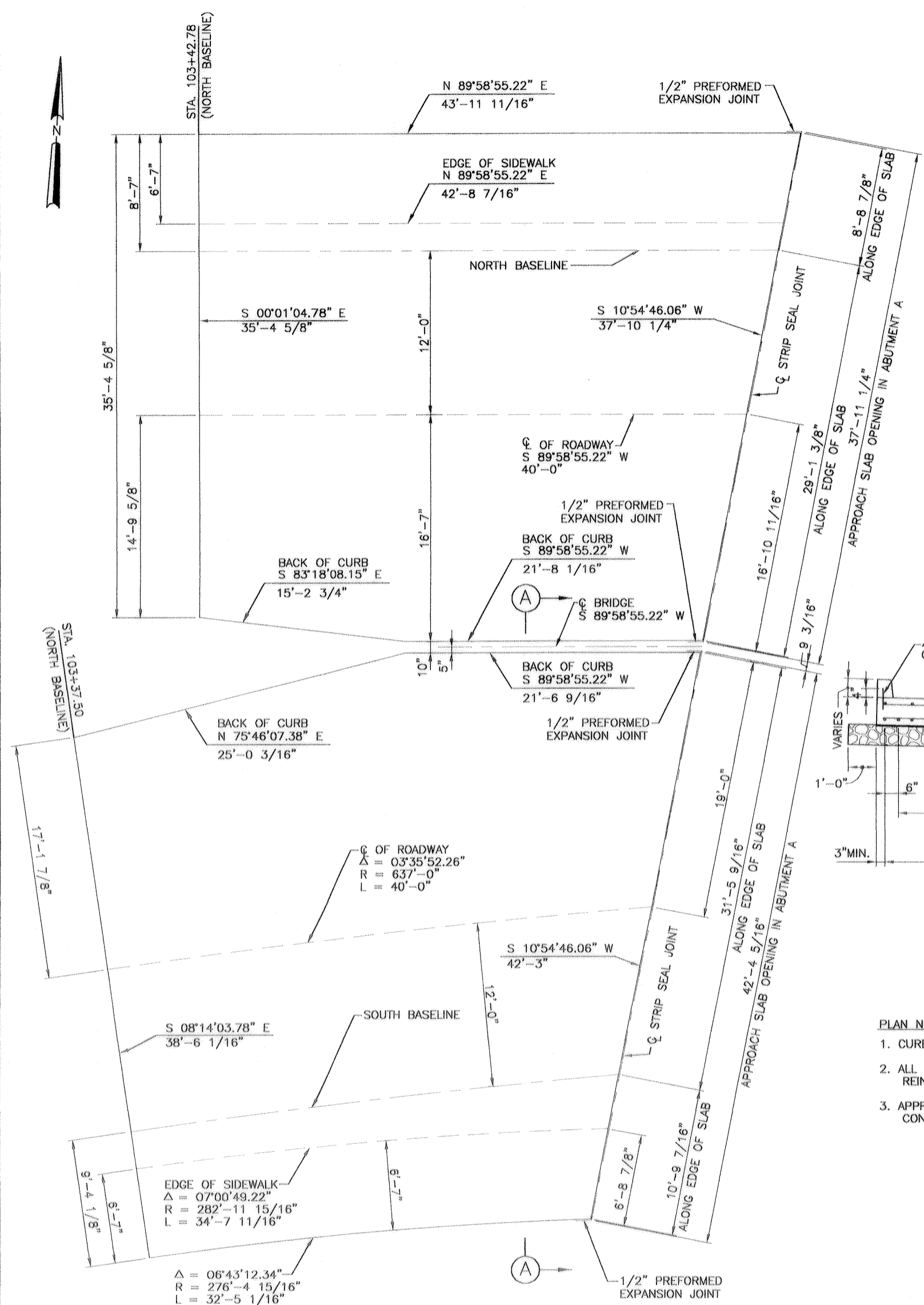


SYMBOL	DESCRIPTION	DATE	APPROVED
REVISIONS			
 U.S. ARMY ENGINEER DISTRICT, NEW ORLEANS CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA			
BOARD OF LEVEE COMMISSIONERS ORLEANS LEVEE DISTRICT NEW ORLEANS, LOUISIANA		LINFIELD, HUNTER & JUNIUS, INC. CONSULTING ENGINEERS AND ARCHITECTS 3500 North Causeway Blvd. Suite 200 Metairie, Louisiana 70002	
LAKE PONCHARTRAIN, LA. AND VICINITY HIGH LEVEL PLAN LONDON AVE. OUTFALL CANAL, PARALLEL PROTECTION FLOODPROOFING OF LEON C. SIMON BLVD. BRIDGE ORLEANS PARISH, LOUISIANA			
BENT REINFORCEMENT DETAILS			
DESIGNED BY: PWB	DATE: FEB. 1998	PLOT SCALE: 48	PLOT DATE: 2/20/98
DRAWN BY: RKP	CHECKED BY: AFG	CADD FILE: 44732BLK.DGN	FILE NO. H-4-44955
SUBMITTED BY:	SOLICITATION NO. DACW29-98-B-0085	DWG. 36 OF 68	
A. GOODSON DESIGN ENGINEER			

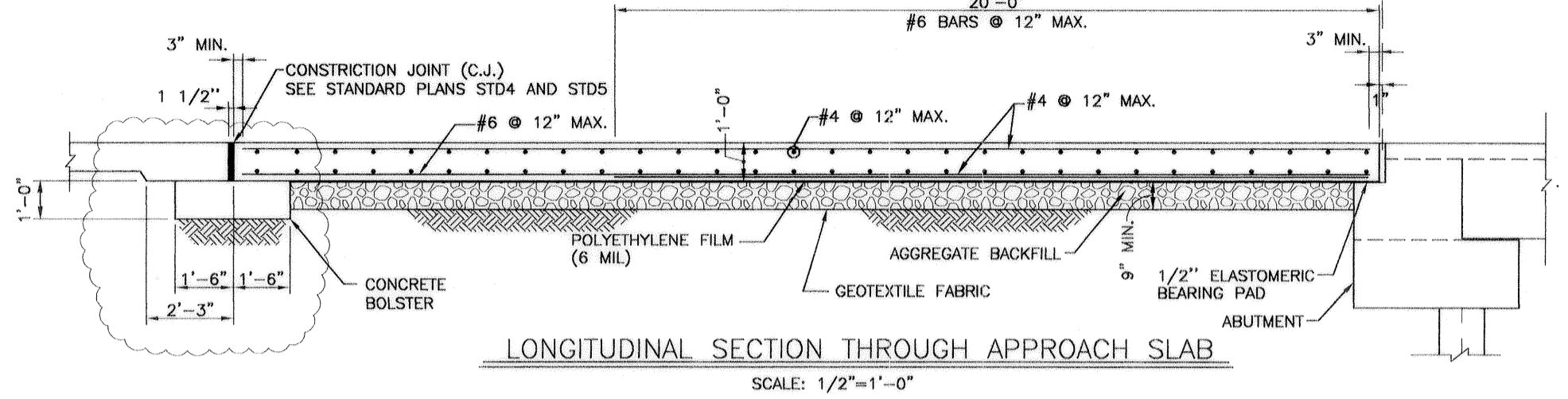


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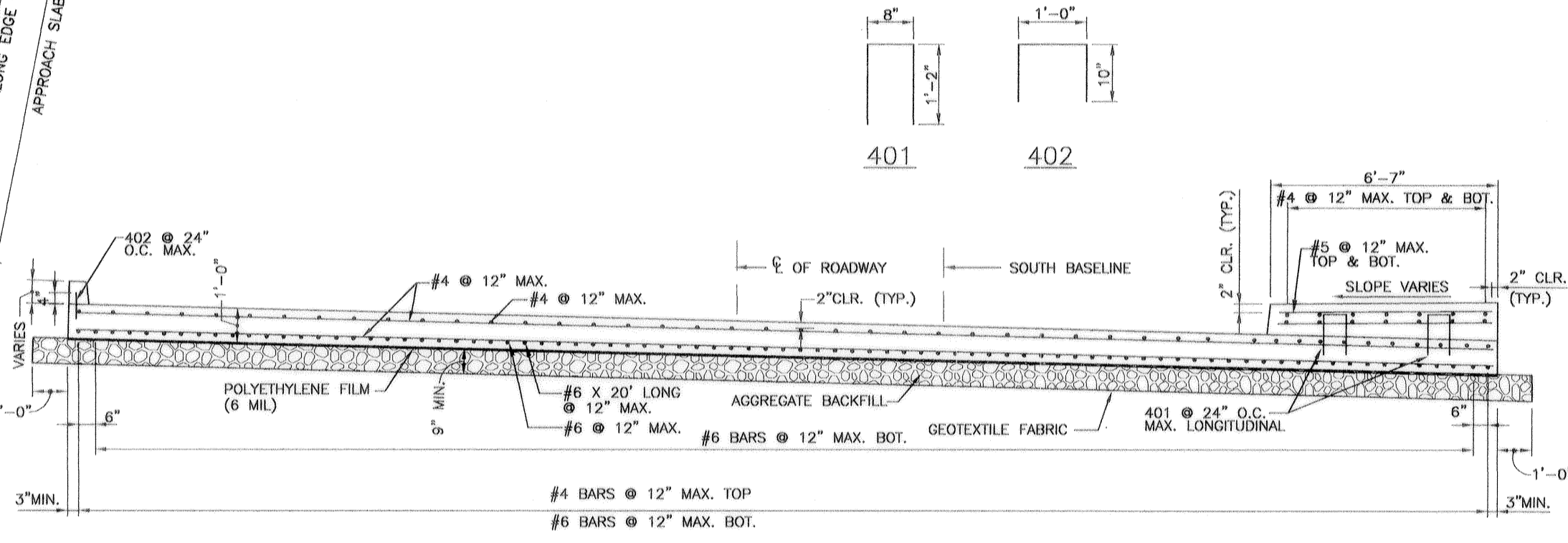
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PLAN
SCALE: 1/4" = 1'-0"



LONGITUDINAL SECTION THROUGH APPROACH SLAB
SCALE: 1/2" = 1'-0"



SECTION (A)
SCALE: 1/2" = 1'-0"

PLAN NOTES

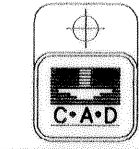
1. CURBS NOT SHOWN FOR CLARITY.
2. ALL APPROACH SLABS ARE 12" THICK REINFORCED CONCRETE.
3. APPROACH SLABS HAVE SUBSTRUCTURE CONCRETE.

SECTION NOTES

1. #4 BARS GREATER THAN 40'-0" REQUIRE (1) 2'-4" LAP SPLICE
2. #5 BARS GREATER THAN 40'-0" REQUIRE (1) 2'-11" LAP SPLICE
3. #6 BARS GREATER THAN 40'-0" REQUIRE (1) 3'-6" LAP SPLICE
4. ALL BARS PLACED AT 12" O.C. MAX.
5. ALL LAP SPLICES TO BE STAGGERED
6. ALL REINFORCING STEEL SHALL BE GRADE 60, UNLESS OTHERWISE NOTED.
7. AGGREGATE BACKFILL LIMITS TO BE THE OUTER EDGES OF THE APPROACH SLABS. POLYETHYLENE FILM (6 MIL. THICKNESS) TO BE INSTALLED BETWEEN THE AGGREGATE BACKFILL AND THE CONCRETE APPROACH SLAB FOR THE ENTIRE LIMITS OF THE AGGREGATE BACKFILL.
8. FOR STRIP SEAL JOINT DETAIL SEE DWG. 34.

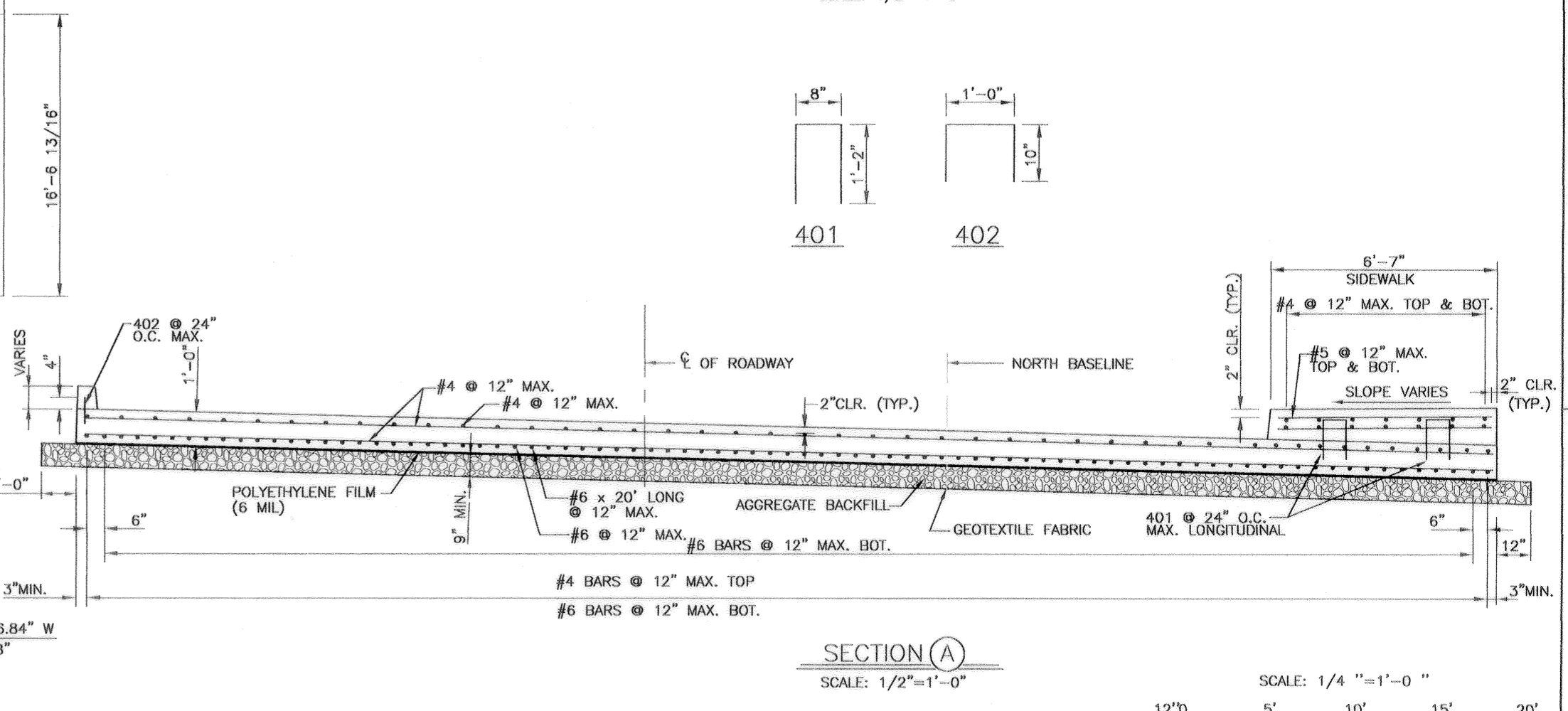
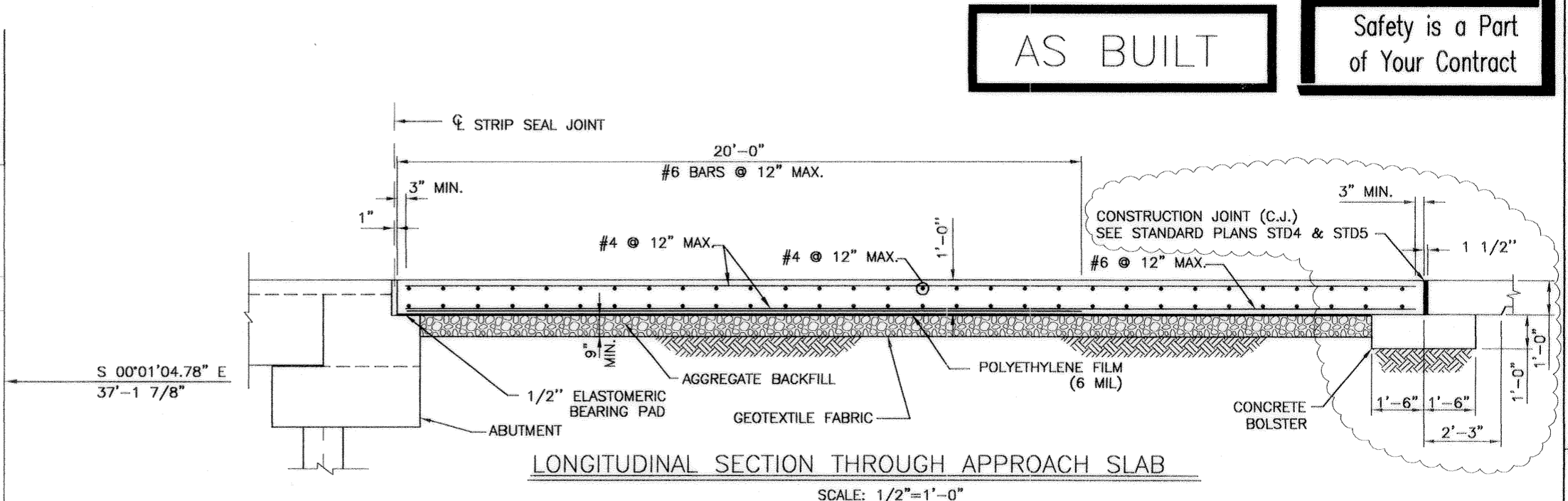
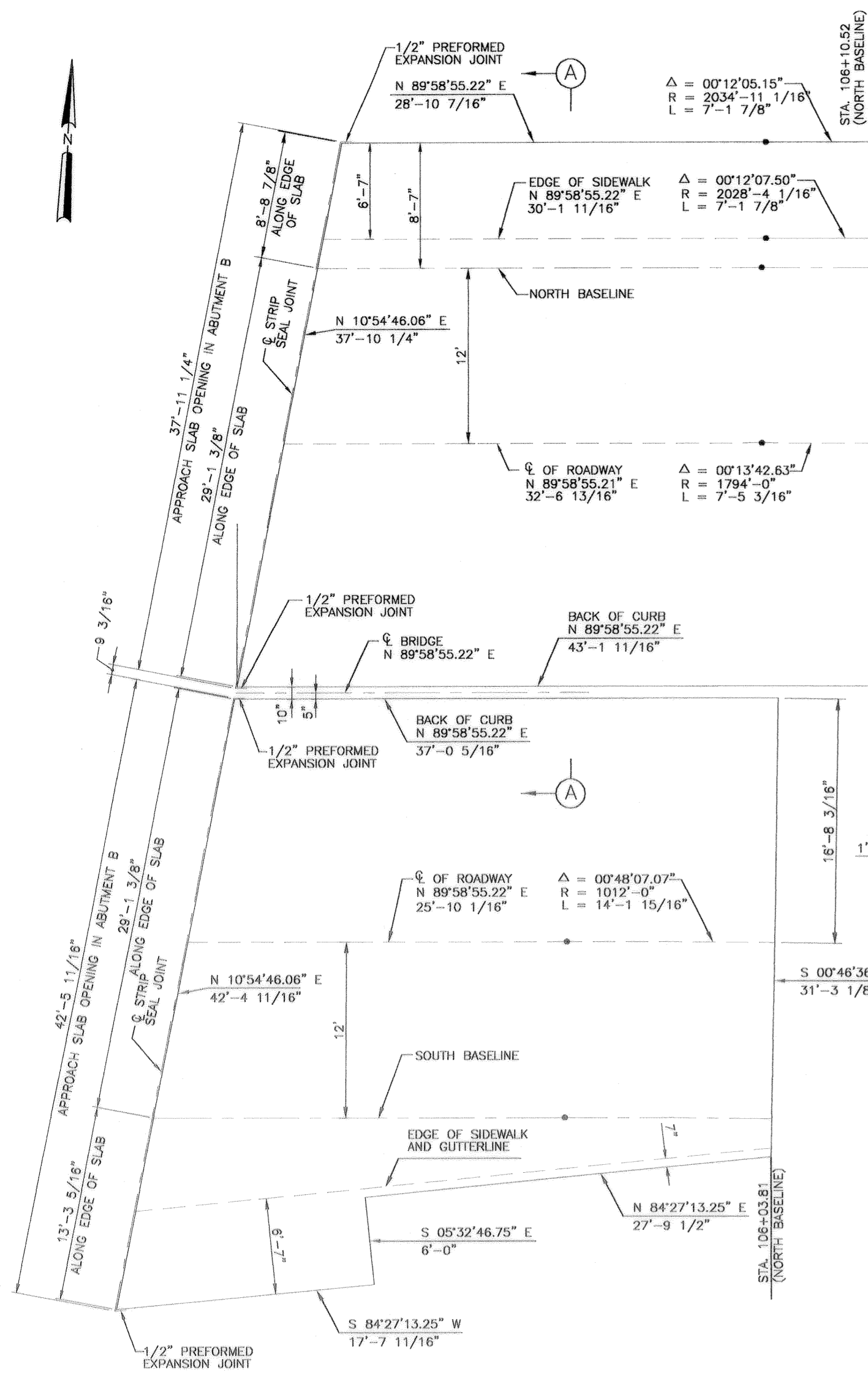


SYMBOL	DESCRIPTION	DATE	APPROVED
REVISIONS			
U.S. ARMY ENGINEER DISTRICT, NEW ORLEANS CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA			
BOARD OF LEVEE COMMISSIONERS ORLEANS LEVEE DISTRICT NEW ORLEANS, LOUISIANA		LINFIELD, HUNTER & JUNIUS, INC. CONSULTING ENGINEERS AND ARCHITECTS 3500 North Causeway Blvd, Suite 200 Metairie, Louisiana 70002	
LAKE PONCHARTRAIN, LA. AND VICINITY HIGH LEVEL PLAN LONDON AVE. OUTFALL CANAL, PARALLEL PROTECTION FLOODPROOFING OF LEON C. SIMON BLVD. BRIDGE ORLEANS PARISH, LOUISIANA			
WEST APPROACH SLAB			
DESIGNED BY: PWB	DATE: FEB. 1998	PLOT SCALE: 48	PLOT DATE: 2/20/98
DRAWN BY: WAY	CADD FILE: 44732BK.DGN	FILE NO. H-4-44955	
CHECKED BY: AFG	SOLICITATION NO. DACW29-98-B-0065	DWG. 37 OF 68	
SUBMITTED BY: A. GOODSON DESIGN ENGINEER			



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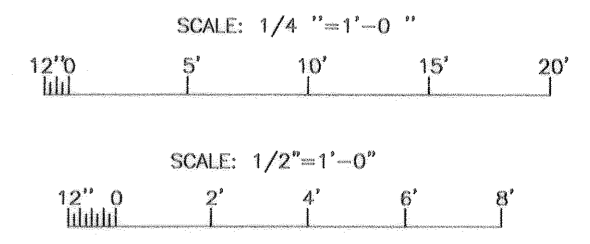


PLAN NOTES

- CURBS NOT SHOWN FOR CLARITY.
- ALL APPROACH SLABS ARE 12" THICK REINFORCED CONCRETE.
- APPROACH SLABS HAVE SUBSTRUCTURE CONCRETE.

SECTION NOTES

- #4 BARS GREATER THAN 40'-0" REQUIRE (1) 2'-4" LAP SPLICE
- #5 BARS GREATER THAN 40'-0" REQUIRE (1) 2'-11" LAP SPLICE
- #6 BARS GREATER THAN 40'-0" REQUIRE (1) 3'-6" LAP SPLICE
- ALL BARS PLACED AT 12" O.C. MAX.
- ALL LAP SPLICES TO BE STAGGERED
- ALL REINFORCING STEEL SHALL BE GRADE 60, UNLESS OTHERWISE NOTED.
- AGGREGATE BACKFILL LIMITS TO BE THE OUTER EDGES OF THE APPROACH SLABS. POLYETHYLENE FILM (6 MIL THICKNESS) TO BE INSTALLED BETWEEN THE AGGREGATE BACKFILL AND THE CONCRETE APPROACH SLAB FOR THE ENTIRE LIMITS OF THE AGGREGATE BACKFILL.
- FOR STRIP SEAL JOINT DETAIL SEE DWG. 34.

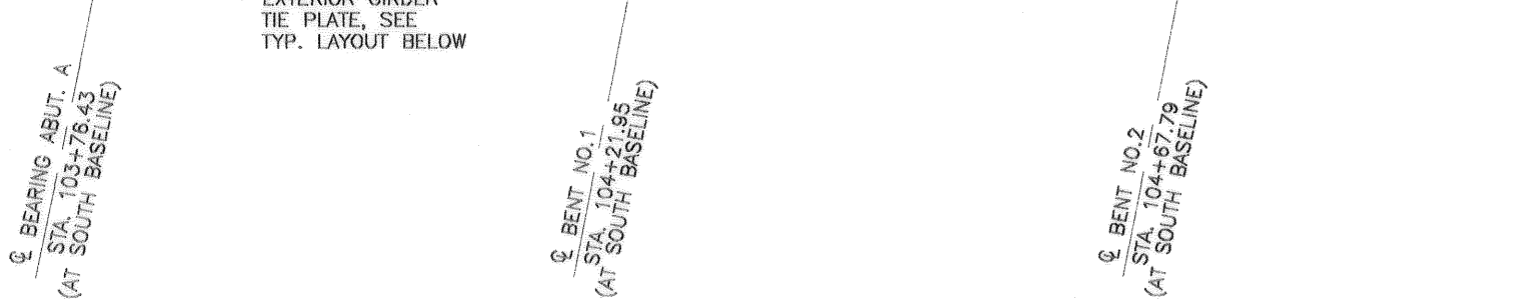
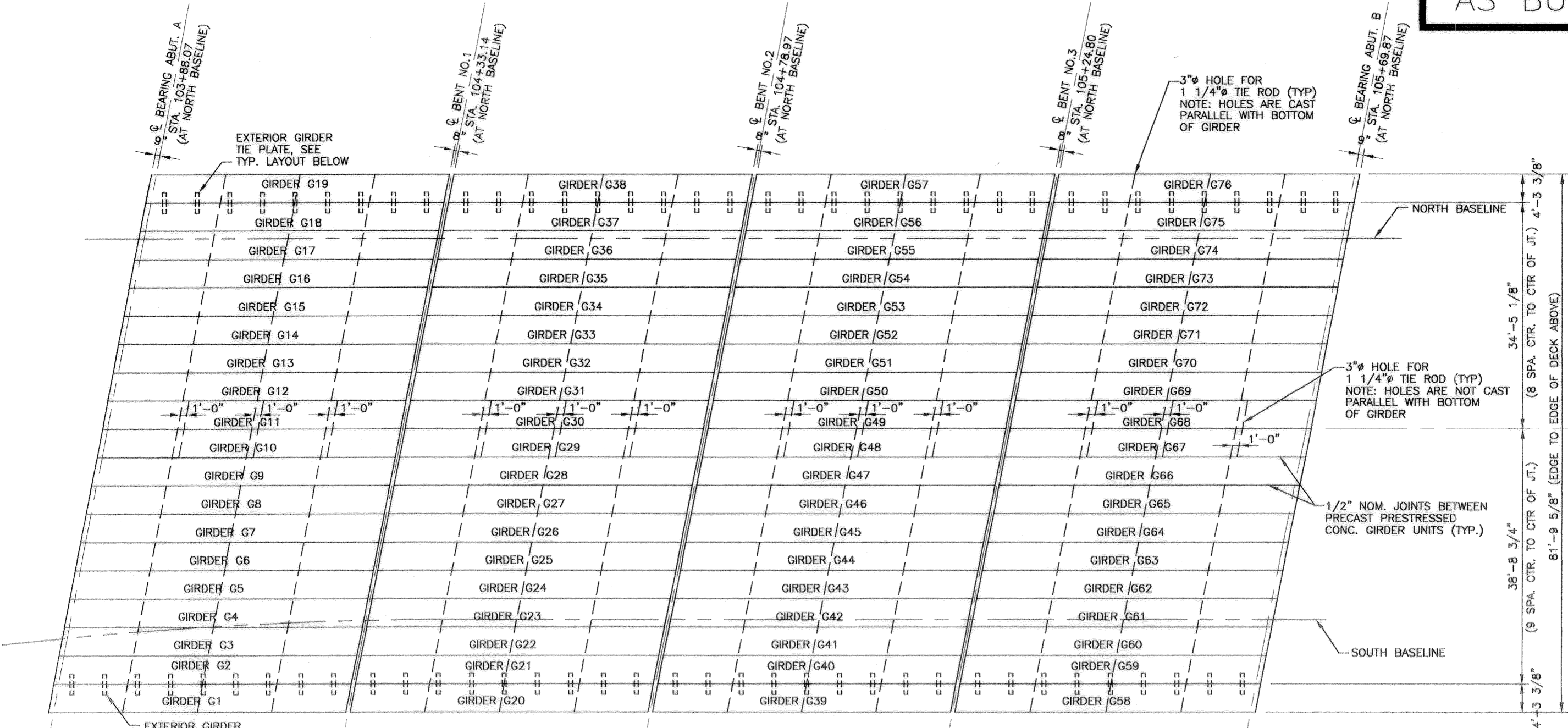
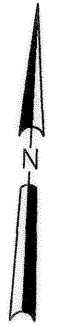


SYMBOL	DESCRIPTION	DATE	APPROVED
REVISIONS			
U.S. ARMY ENGINEER DISTRICT, NEW ORLEANS CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA			
BOARD OF LEVEE COMMISSIONERS ORLEANS LEVEE DISTRICT NEW ORLEANS, LOUISIANA		LINDBLAD, HUNTER & JUNIUS, INC. CONSULTING ENGINEERS AND ARCHITECTS 3500 North Causeway Blvd. Suite 200 Metairie, Louisiana 70002	
LAKE PONTCHARTRAIN, LA. AND VICINITY HIGH LEVEL PLAN LONDON AVE. OUTFALL CANAL, PARALLEL PROTECTION FLOODPROOFING OF LEON C. SIMON BLVD. BRIDGE ORLEANS PARISH, LOUISIANA			
EAST APPROACH SLAB			
DESIGNED BY: PWB	DATE: FEB. 1998	PLOT SCALE: 48	PLOT DATE: 2/20/98
DRAWN BY: WAY	CHECKED BY: AFG	CADD FILE: 447329L.DGN	FILE NO. H-4-44955
SUBMITTED BY:	SOLICITATION NO. DACW29-98-B-0065	DWG. 38 OF 68	



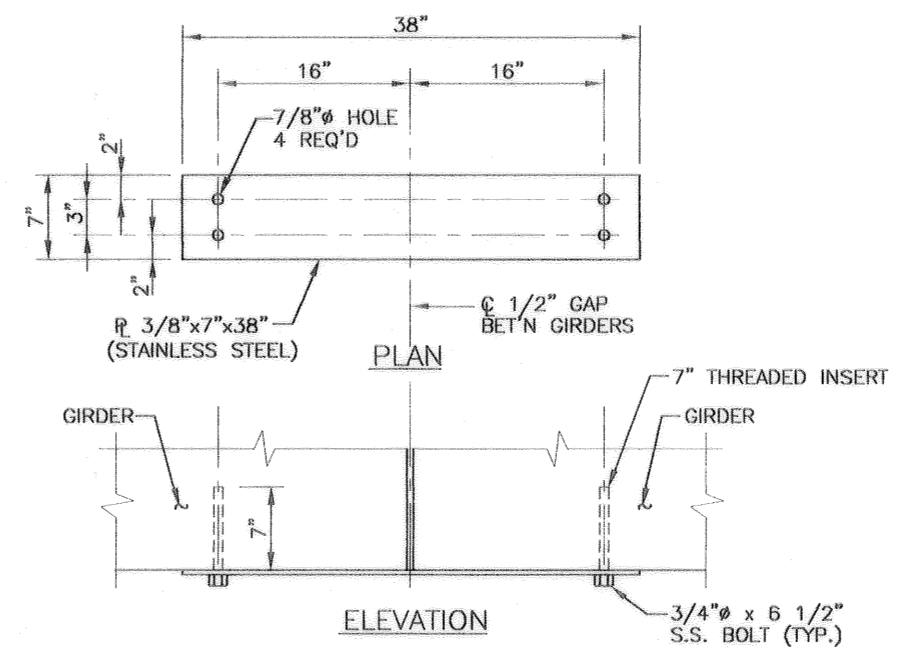
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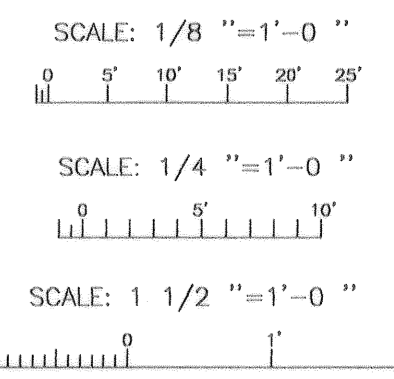


TYPICAL LAYOUT-EXTERIOR GIRDER TIE PLATES
SCALE: 1/4" = 1'-0"

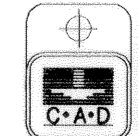
FRAMING PLAN
SCALE: 1/8" = 1'-0"



TYPICAL TIE PLATE DETAILS
SCALE: 1 1/2" = 1'-0"

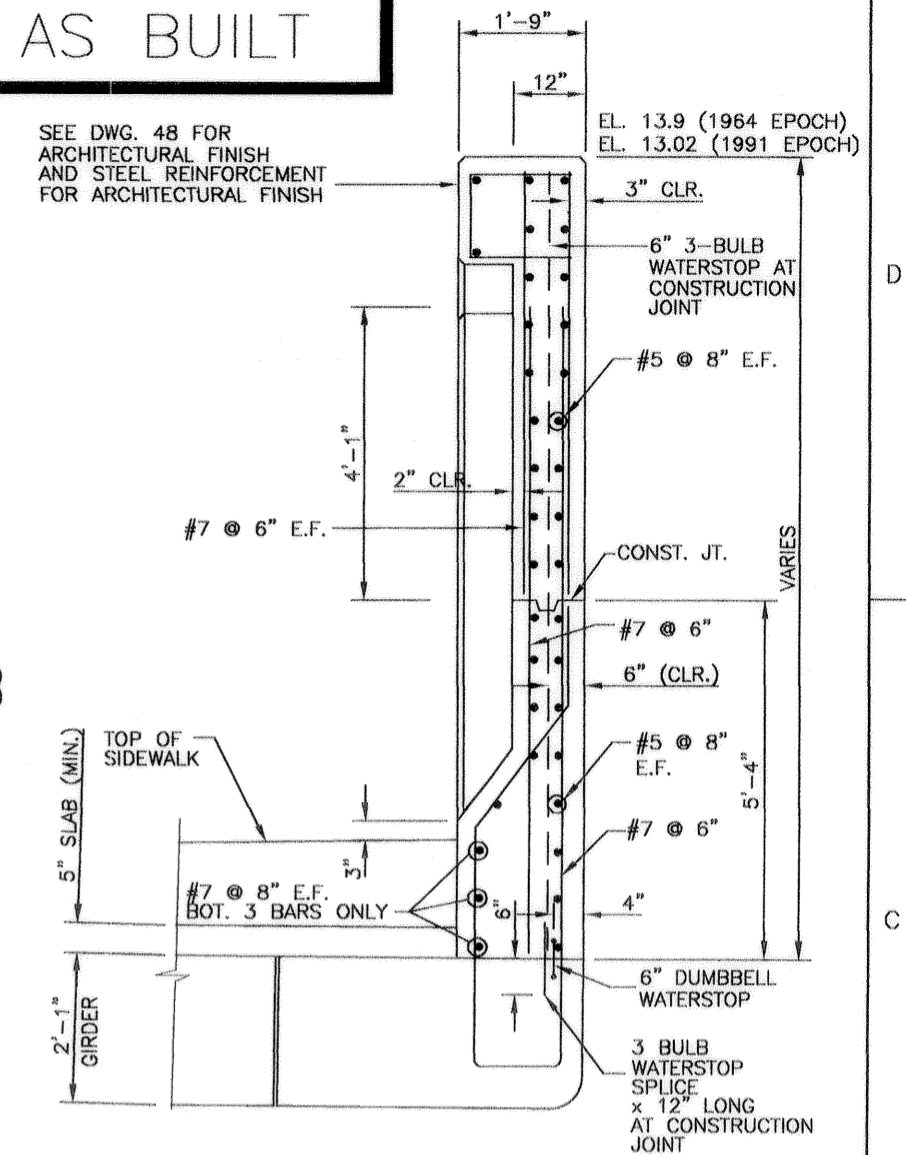
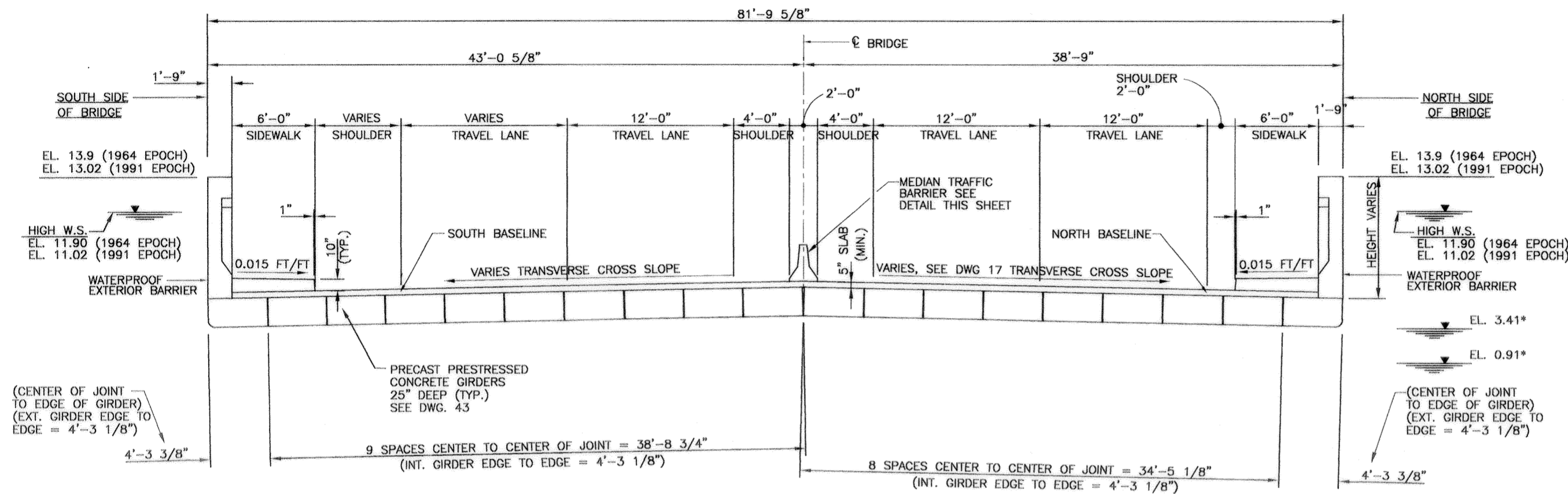


SYMBOL	DESCRIPTION	DATE	APPROVED
REVISIONS			
U.S. ARMY ENGINEER DISTRICT, NEW ORLEANS CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA			
BOARD OF LEVEE COMMISSIONERS ORLEANS LEVEE DISTRICT NEW ORLEANS, LOUISIANA		LINFIELD, HUNTER & JUNIUS, INC. CONSULTING ENGINEERS AND ARCHITECTS 3500 North Causeway Blvd. Suite 200 Metairie, Louisiana 70002	
LAKE PONTCHARTRAIN, LA. AND VICINITY HIGH LEVEL PLAN LONDON AVE. OUTFALL CANAL, PARALLEL PROTECTION FLOODPROOFING OF LEON C. SIMON BLVD. BRIDGE ORLEANS PARISH, LOUISIANA			
BRIDGE FRAMING PLAN			
DESIGNED BY: PWB	DATE: FEB. 1998	PLOT SCALE: 96	PLOT DATE: 2/20/98
DRAWN BY: TFB	CADD FILE: 44732BLK.DGN	FILE NO. H-4-44955	
CHECKED BY: AFG	SUBMITTED BY: A. GOODSON	SOLICITATION NO. DACW29-98-B-0065	DWG. 39 OF 68



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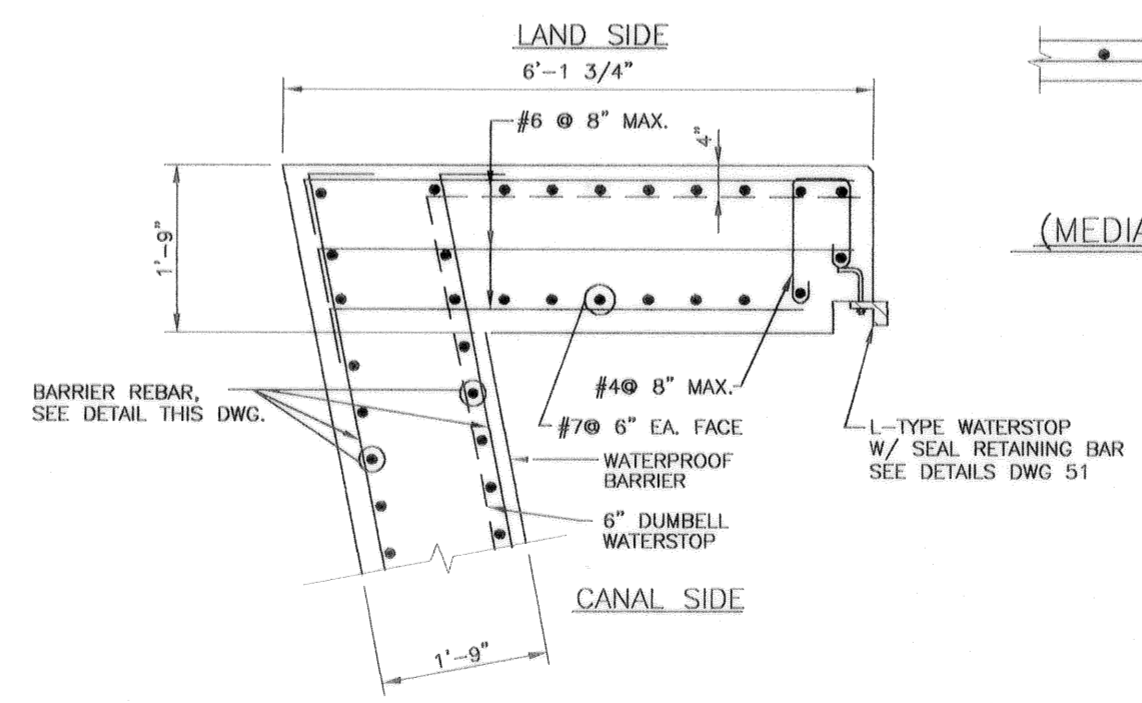
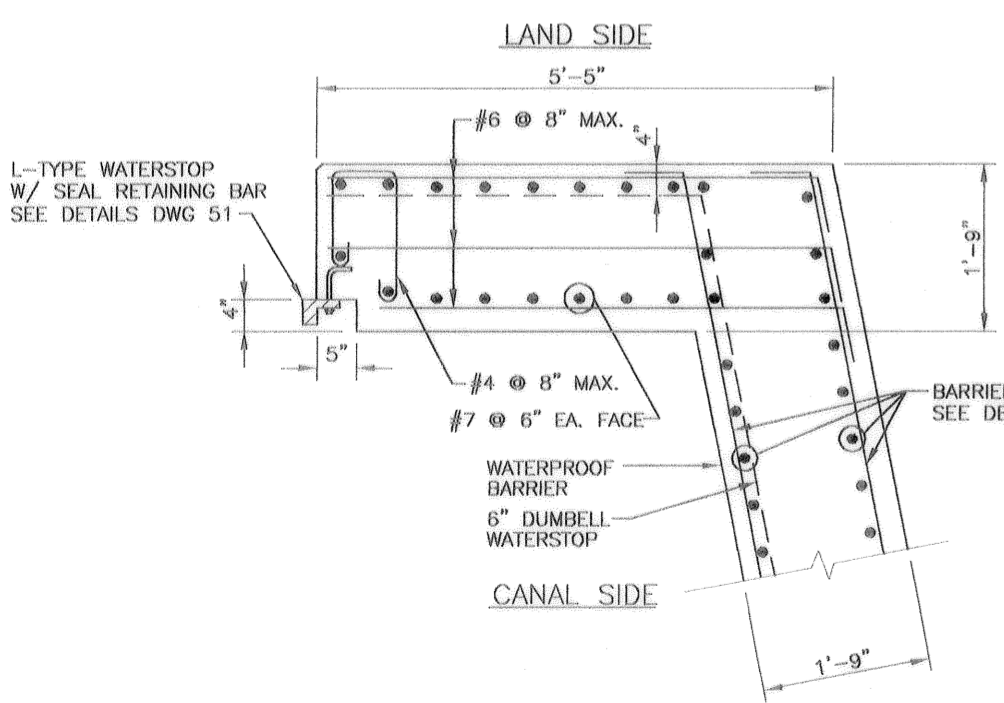
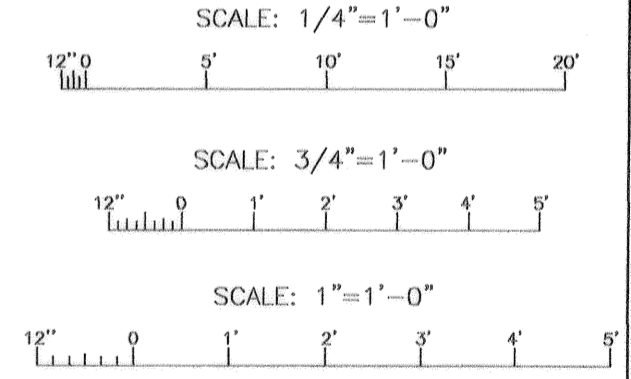
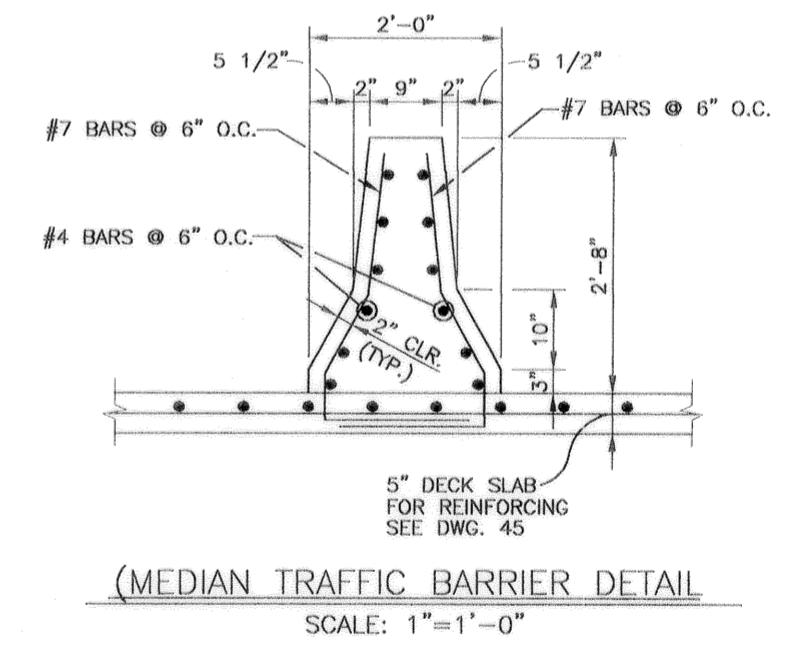


* NOTE:
NORMAL WATER SURFACE ELEVATION OF LONDON AVE. CANAL RANGES FROM 0.91 N.G.V.D. TO 3.41 N.G.V.D. SINCE THE LONDON AVE. CANAL IS SUBJECT TO TIDAL VARIATIONS OF LAKE PONTCHARTRAIN, THE WATER SURFACE ELEVATIONS ARE SUBJECT TO RISE & FALL WELL ABOVE AND BELOW NORMAL ELEVATIONS GIVEN.

* NOTE:
REINFORCEMENT IN THE SIDEWALKS ATOP THE BRIDGE SUPERSTRUCTURE SHALL BE PLACED AS SHOWN ON THE SIDEWALK SECTIONS ATOP THE APPROACH SLAB. SEE DWG. 37 AND 38 DETAILS.

TYPICAL SUPERSTRUCTURE SECTION (A) SCALE: 1/4"=1'-0"

WATERPROOF EXTERIOR BARRIER DETAIL SCALE: 3/4"=1'-0"



DETAIL - BARRIER EXTENSION REINFORCING (JOINT B SHOWN, JOINT D SIMILAR) SCALE: 1"=1'-0"

DETAIL - BARRIER EXTENSION REINFORCING (JOINT A SHOWN, JOINT E SIMILAR) SCALE: 1"=1'-0"

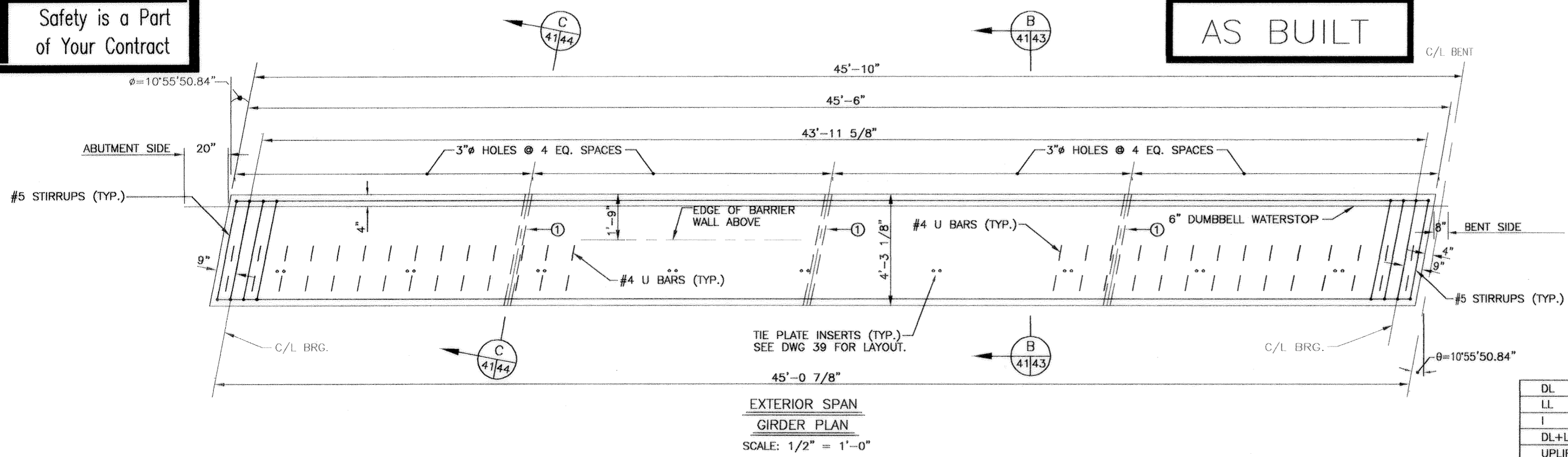
NOTE:
FOR JOINT LAYOUT, SEE DWG. 49.

SYMBOL	DESCRIPTION	DATE	APPROVED
REVISIONS			
U.S. ARMY ENGINEER DISTRICT, NEW ORLEANS CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA			
BOARD OF LEVEE COMMISSIONERS ORLEANS LEVEE DISTRICT NEW ORLEANS, LOUISIANA		LINFIELD, HUNTER & JUNIUS, INC. CONSULTING ENGINEERS AND ARCHITECTS 3500 North Causeway Blvd. Suite 200 Metairie, Louisiana 70002	
LAKE PONTCHARTRAIN, LA. AND VICINITY HIGH LEVEL PLAN LONDON AVE. OUTFALL CANAL, PARALLEL PROTECTION FLOODPROOFING OF LEON C. SIMON BLVD. BRIDGE ORLEANS PARISH, LOUISIANA			
TYPICAL SUPERSTRUCTURE SECTION			
DESIGNED BY: PWB	DATE: FEB. 1998	PLOT SCALE: 4B	PLOT DATE: 2/20/98
DRAWN BY: RKP	CHECKED BY: AFG	CADD FILE: 44732BLK.DGN	FILE NO. H-4-44955
SUBMITTED BY: A. GOODSON DESIGN ENGINEER	SOLICITATION NO. DACW29-98-B-0065	DWG. 40 OF 68	

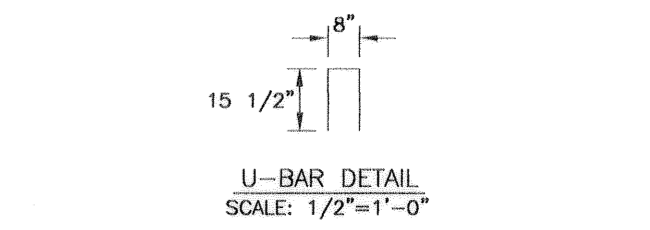


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EXTERIOR SPAN GIRDER PLAN
SCALE: 1/2" = 1'-0"



INITIAL PRESTRESSED CAMBER
CALCULATED VALUE FOR INFORMATION ONLY
NO SCALE

LEON C. SIMON BRIDGE

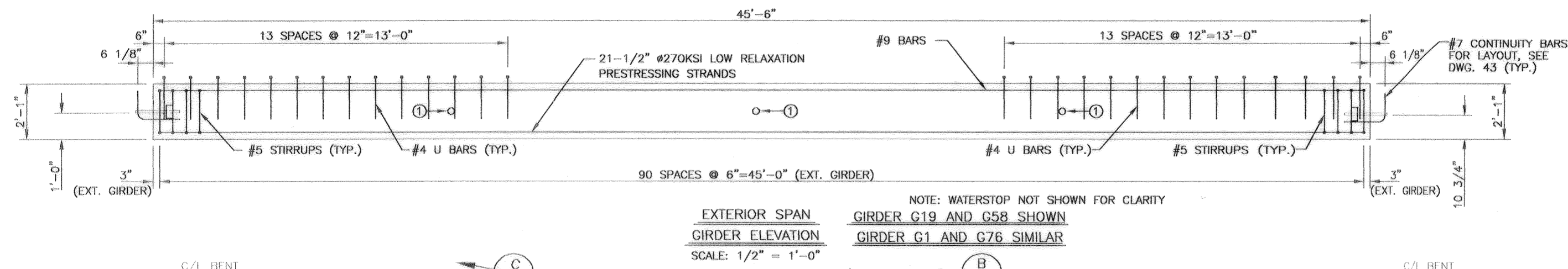
	INTERIOR GIRDER SERVICE MOMENTS, SHEARS, AND REACTIONS			
	MOMENT (ft. kips)	SHEAR (kips)	ABUT.	BENTS
DL	651.5	59.1	59.1	118.2
LL	223.3	22.9	22.9	45.8
I	63.9	6.6	6.6	13.2
DL+LL+I	938.7	88.6	88.6	177.2
UPLIFT	186.7	19.6	13.0	35.8

- NOTE:
1). EXTERIOR GIRDERS SHOWN
2). FOR GIRDER FRAMING LAYOUT, SEE DWG. 39.

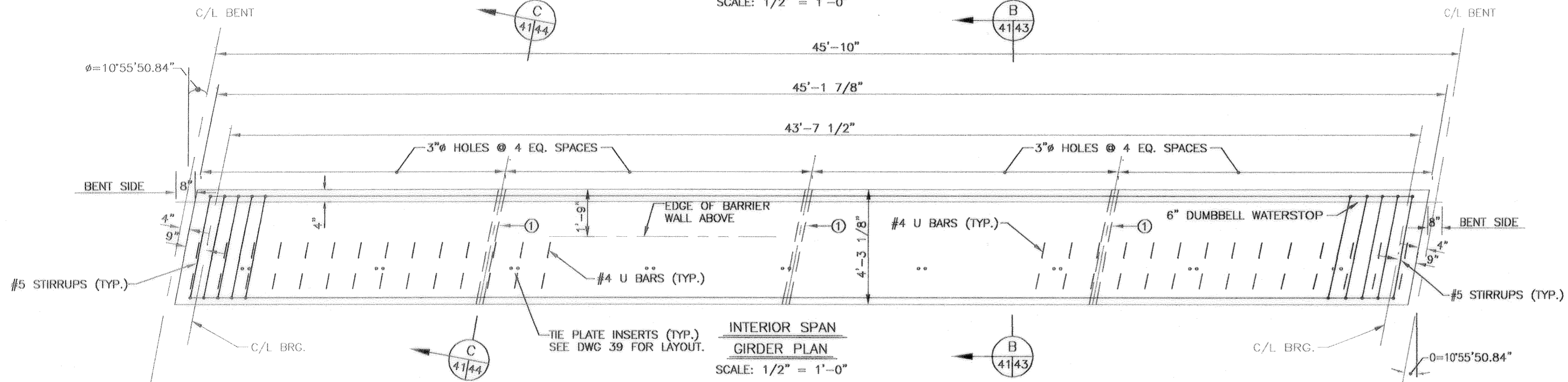
GIRDER DIMENSIONS		
GIRDER NO.	LENGTH	WIDTH
G1, G19, G58, G76	45'-6"	4'-3 1/8"
G20, G38, G39, G57	45'-1 7/8"	4'-3 1/8"

LEGEND

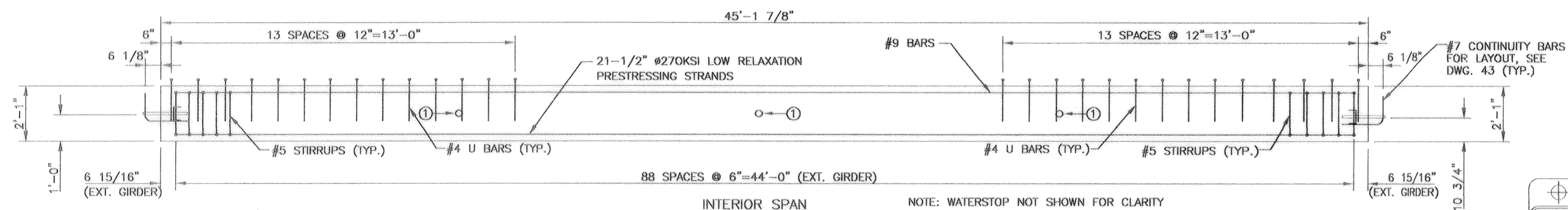
- ① 3" HOLES CAST PARALLEL WITH GIRDER SIDE SLOPE (TYP. ALL EXTERIOR GIRDERS) FOR CENTERLINE ELEV. OF HOLES SEE SECTION C DWG. 44.



EXTERIOR SPAN GIRDER ELEVATION
SCALE: 1/2" = 1'-0"
NOTE: WATERSTOP NOT SHOWN FOR CLARITY
GIRDER G19 AND G58 SHOWN
GIRDER G1 AND G76 SIMILAR



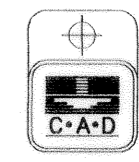
INTERIOR SPAN GIRDER PLAN
SCALE: 1/2" = 1'-0"



INTERIOR SPAN GIRDER ELEVATION
SCALE: 1/2" = 1'-0"
NOTE: WATERSTOP NOT SHOWN FOR CLARITY
GIRDER G20, G38, G39 AND G57

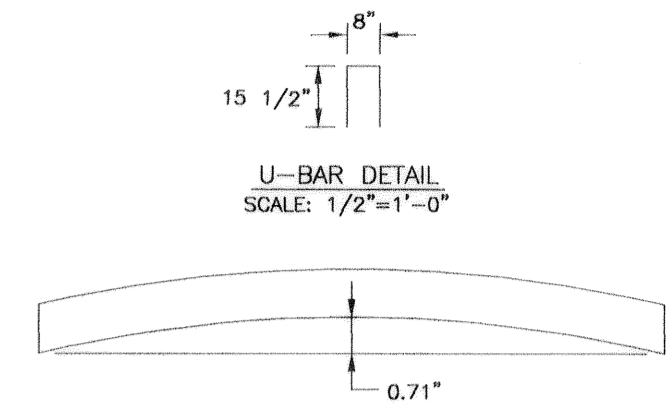
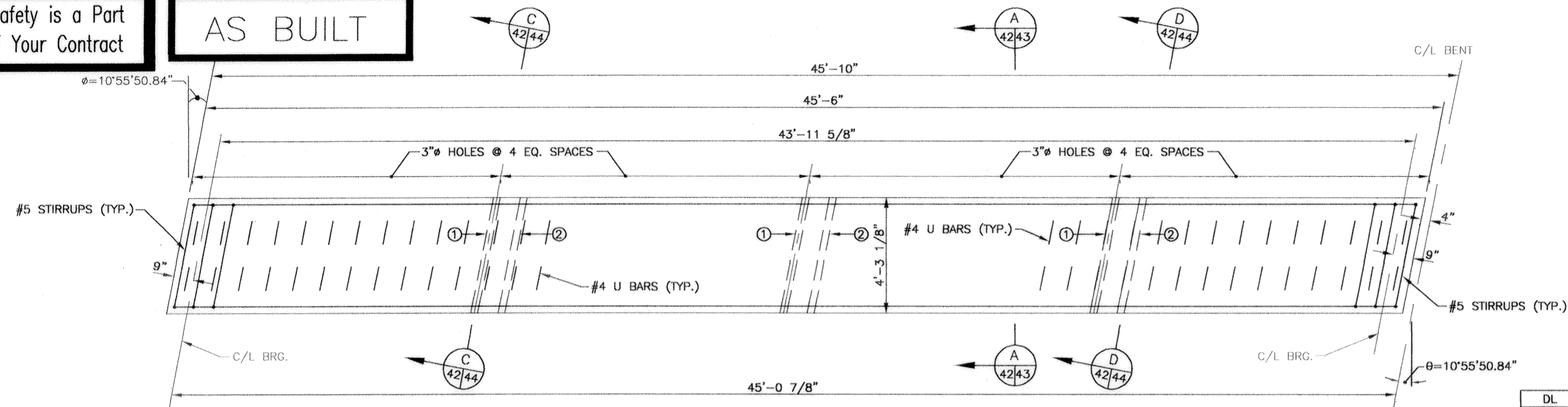


SYMBOL	DESCRIPTION	DATE	APPROVED
REVISIONS			
 U.S. ARMY ENGINEER DISTRICT, NEW ORLEANS CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA			
BOARD OF LEVEE COMMISSIONERS ORLEANS LEVEE DISTRICT NEW ORLEANS, LOUISIANA		LINEFIELD, HUNTER & JUNIUS, INC. CONSULTING ENGINEERS AND ARCHITECTS 3500 North Causeway Blvd., Suite 200 Metairie, Louisiana 70002	
LAKE PONTCHARTRAIN, LA. AND VICINITY HIGH LEVEL PLAN LONDON AVE. OUTFALL CANAL, PARALLEL PROTECTION FLOODPROOFING OF LEON C. SIMON BLVD. BRIDGE ORLEANS PARISH, LOUISIANA			
PCC EXTERIOR GIRDER DETAILS - 1			
DESIGNED BY: DLB	DATE: FEB. 1998	PLOT SCALE: 24	PLOT DATE: 2/20/98
DRAWN BY: WE	CHECKED BY: AFG	CADD FILE: 44732BK.DGN	FILE NO. H-4-44955
SUBMITTED BY: A. GOODSON DESIGN ENGINEER	SOLICITATION NO. DACW29-98-B-0065	DWG. 41 OF 68	



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INITIAL PRESTRESSED CAMBER
CALCULATED VALUE FOR INFORMATION ONLY
NO SCALE

LEON C. SIMON BRIDGE

	INTERIOR GIRDER SERVICE MOMENTS, SHEARS, AND REACTIONS			
	MOMENT (ft. kips)	SHEAR (kips)	REACTION (kips)	
	MIDSPAN	ENDS	ABUT.	BENTS
DL	651.5	59.1	59.1	118.2
LL	223.3	22.9	22.9	45.8
I	63.9	6.6	6.6	13.2
DL+LL+I	938.7	88.6	88.6	177.2
UPLIFT	186.7	19.6	13.0	35.8

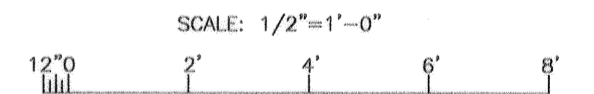
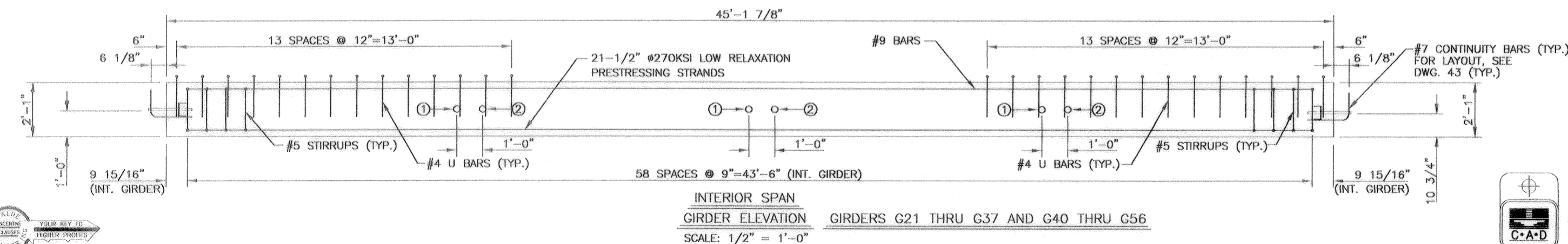
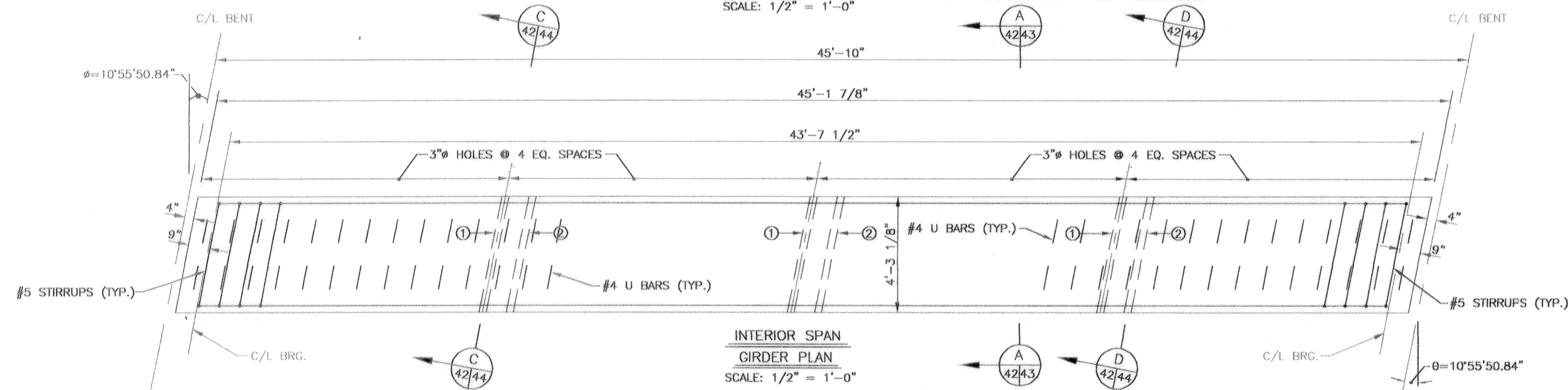
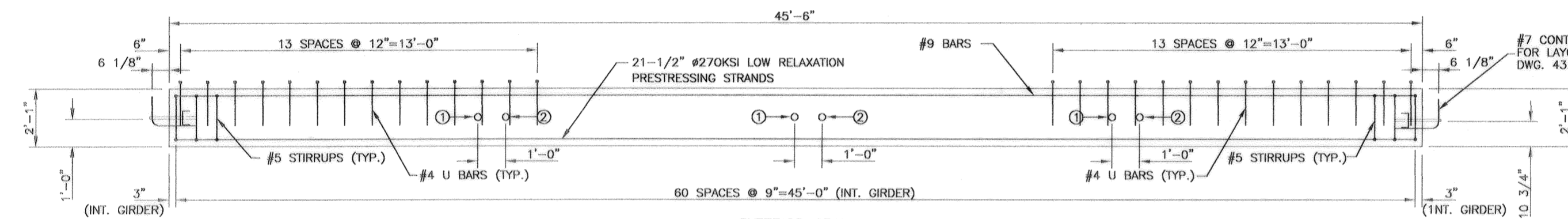
- NOTE:
1) INTERIOR GIRDERS SHOWN
2) FOR GIRDER FRAMING LAYOUT, SEE DWG. 39

GIRDER DIMENSIONS

GIRDER NO.	LENGTH	WIDTH
G2 THRU G18 & G59 THRU G75	45'-6"	4'-3 1/8"
G21 THRU G37 & G40 THRU G56	45'-1 7/8"	4'-3 1/8"

LEGEND

- ① 3"Ø HOLES CAST PARALLEL WITH GIRDER SIDE SLOPE (TYP. ALL INTERIOR GIRDERS) FOR CENTERLINE ELEV. OF HOLES SEE SECTION C DWG. 44.
② 3"Ø HOLES CAST LEVEL WITH HORIZONTAL (ONLY GIRDERS G10, G11, G29, G30, G48, G49, G67, AND G68) FOR CENTERLINE ELEV. OF HOLES SEE SECTION D DWG. 44.



SYMBOL	DESCRIPTION	DATE	APPROVED

REVISIONS

U.S. ARMY ENGINEER DISTRICT, NEW ORLEANS
CORPS OF ENGINEERS
NEW ORLEANS, LOUISIANA

BOARD OF LEVEE COMMISSIONERS
ORLEANS LEVEE DISTRICT
NEW ORLEANS, LOUISIANA

LINEFIELD, HUNTER & JUNIUS, INC.
CONSULTING ENGINEERS AND ARCHITECTS
3500 North Causeway Blvd. Suite 200
Metairie, Louisiana 70002

LAKE PONCHARTRAIN, LA. AND VICINITY
HIGH LEVEL PLAN
LONDON AVE. OUTFALL CANAL, PARALLEL PROTECTION
FLOODPROOFING OF
LEON C. SIMON BLVD. BRIDGE
ORLEANS PARISH, LOUISIANA

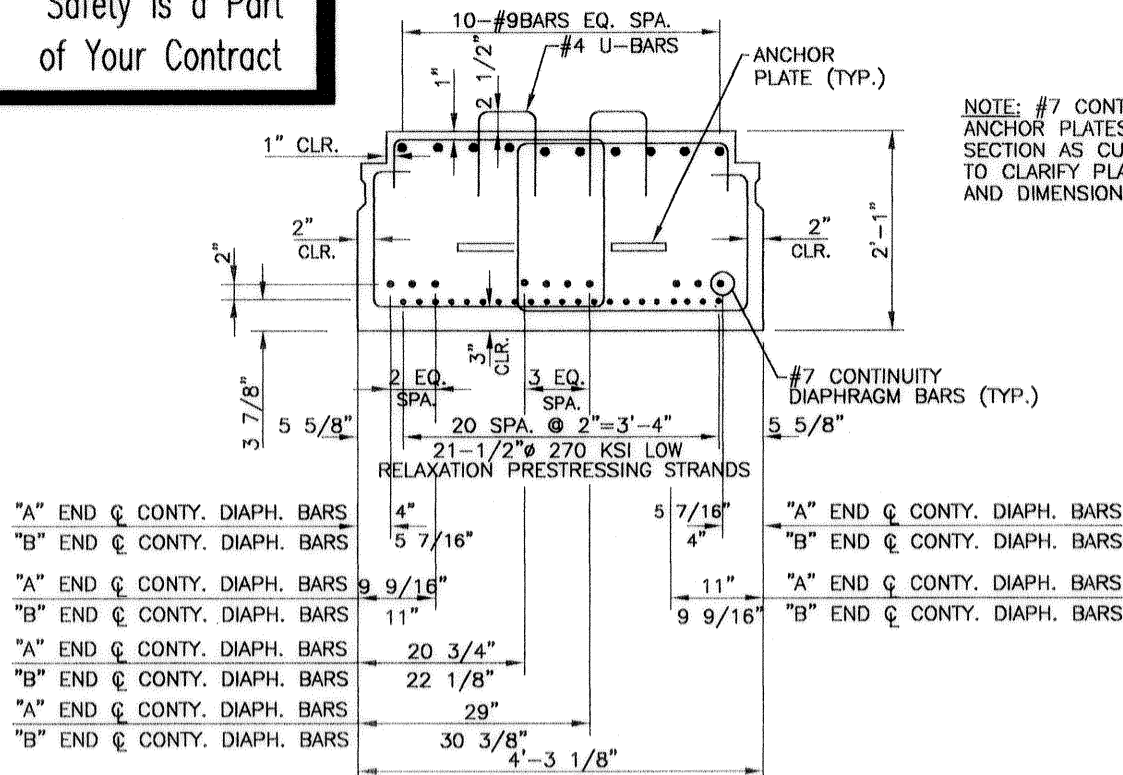
PCC INTERIOR GIRDER DETAILS - 2

DESIGNED BY: DLB	DATE: FEB. 1998	PLOT SCALE: 24	PLOT DATE: 2/20/98
DRAWN BY: WE	CADD FILE: 44732BLK.DGN	FILE NO. H-4-44955	
CHECKED BY: AFG	SUBMITTED BY: A. GOODRICH DESIGN ENGINEER	SOLICITATION NO. DACW29-98-B-0065	DWG. 42 OF 68

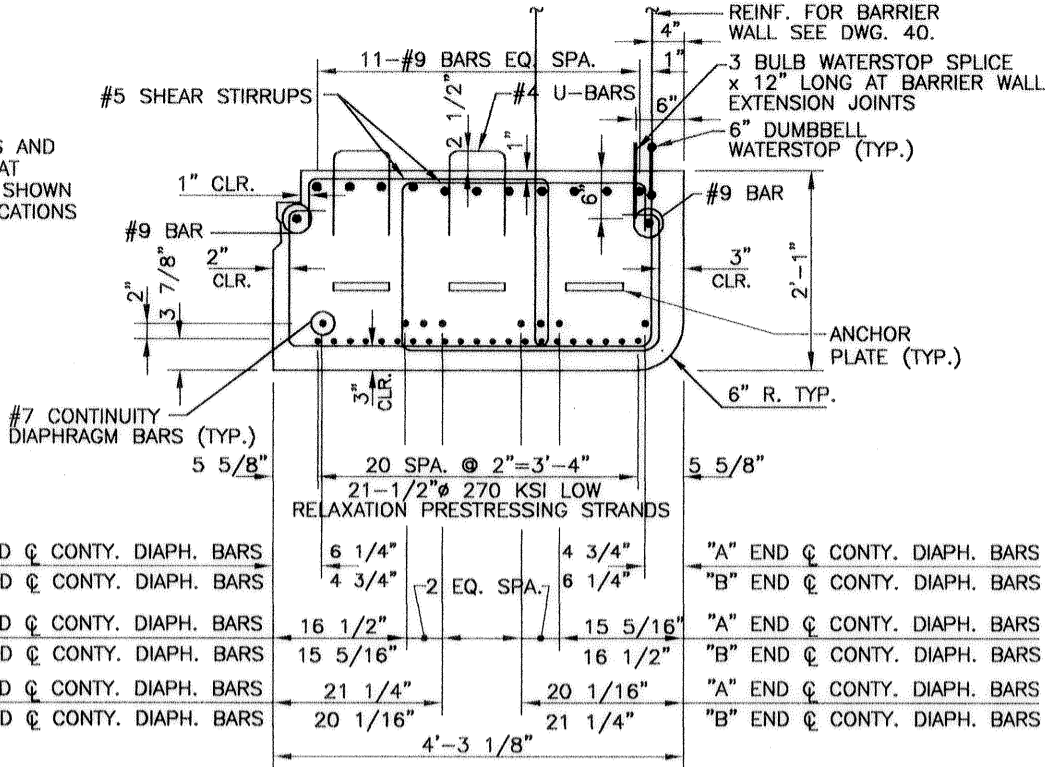


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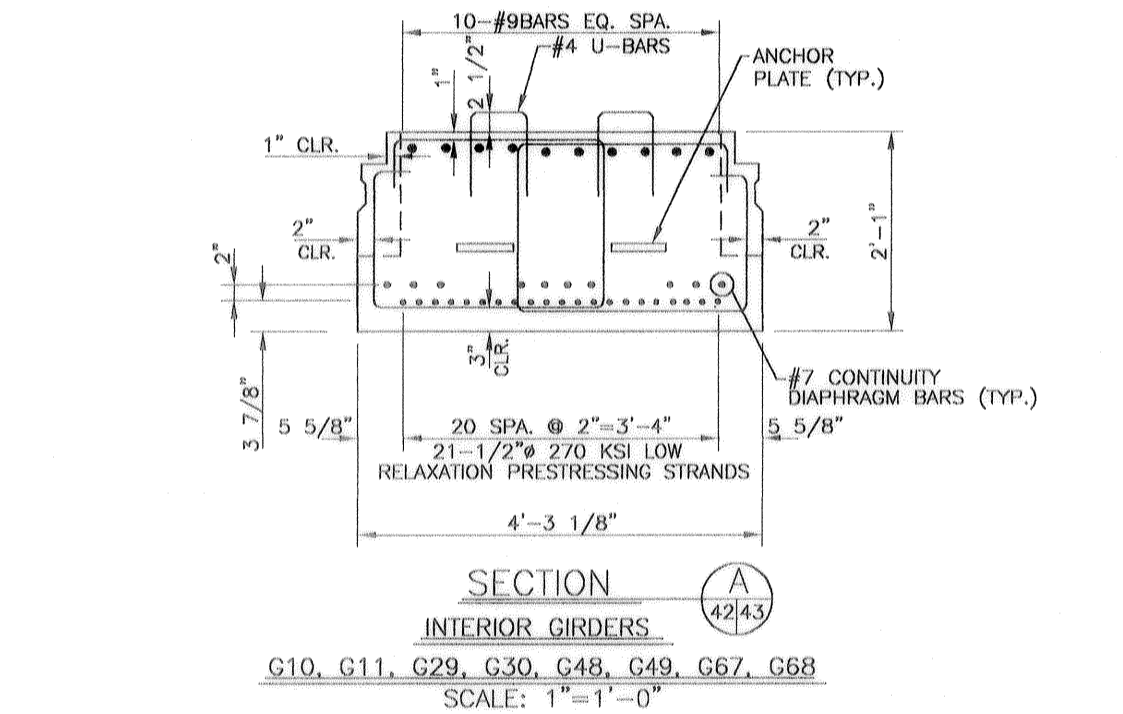
AS BUILT



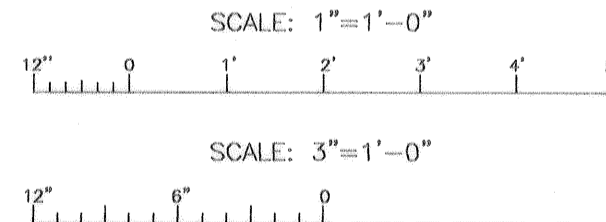
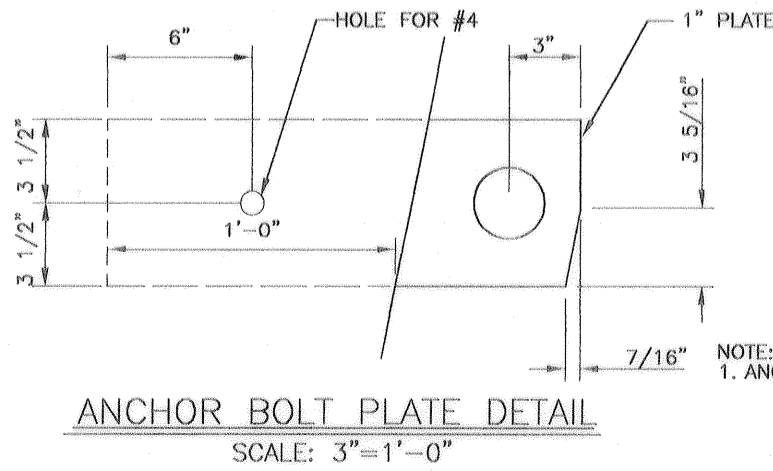
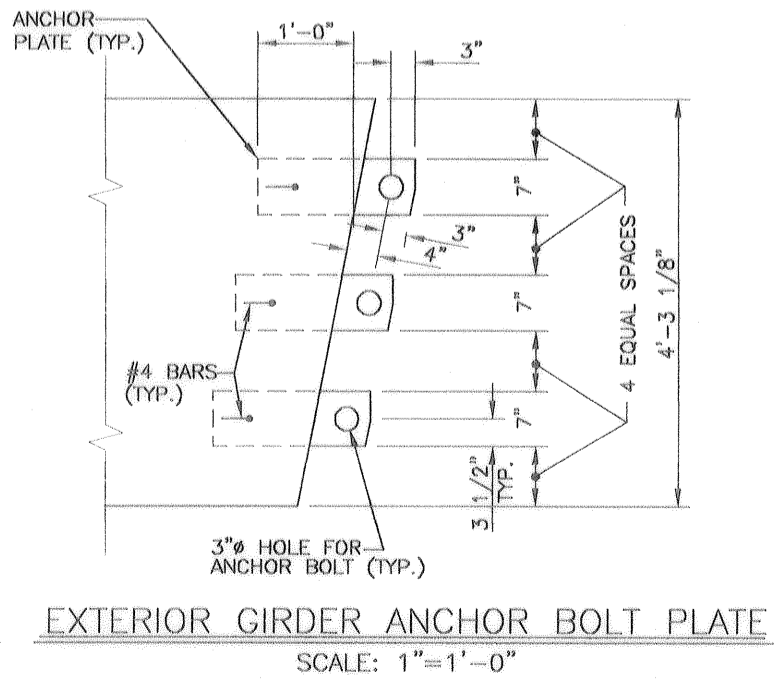
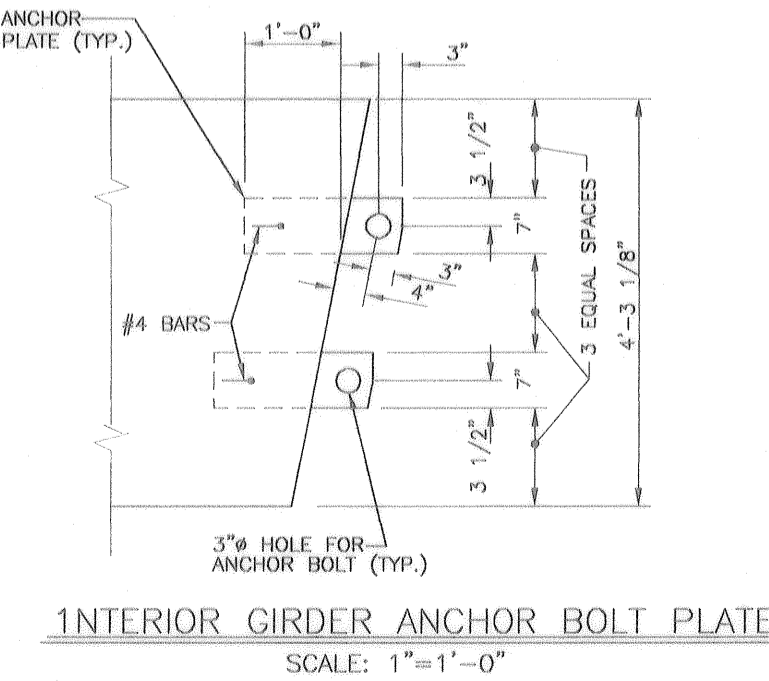
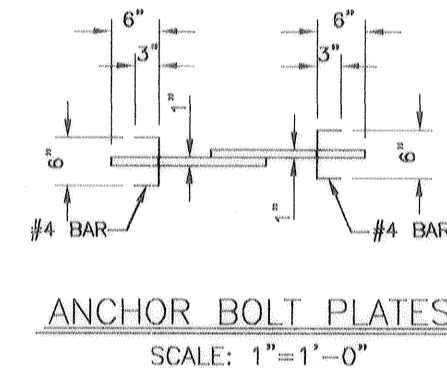
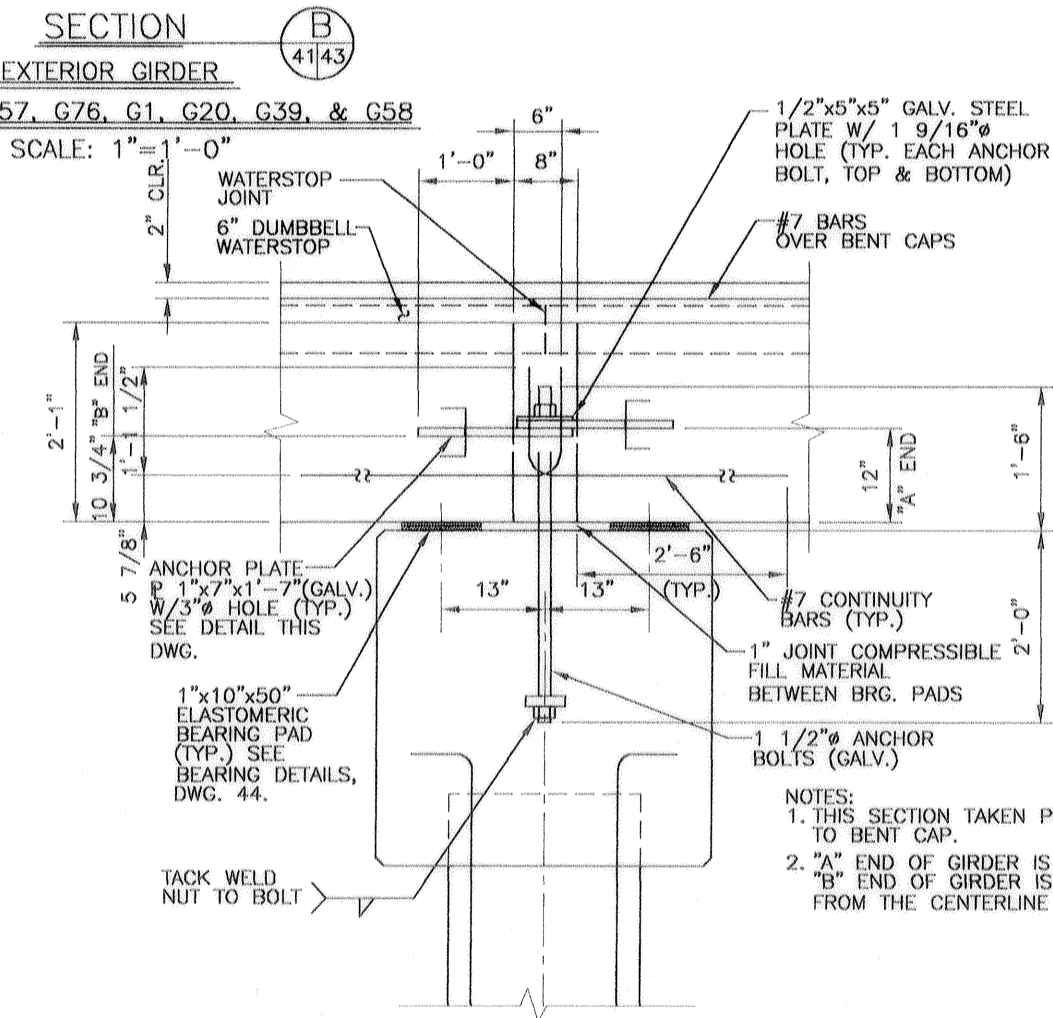
NOTE: #7 CONTINUITY BARS AND ANCHOR PLATES ARE NOT AT SECTION AS CUT BUT ARE SHOWN TO CLARIFY PLACEMENT LOCATIONS AND DIMENSIONS.



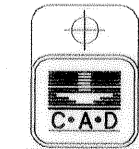
SECTION A ALL INTERIOR GIRDERS EXCEPT G10, G11, G29, G30, G48, G49, G67, & G68 SCALE: 1"=1'-0"



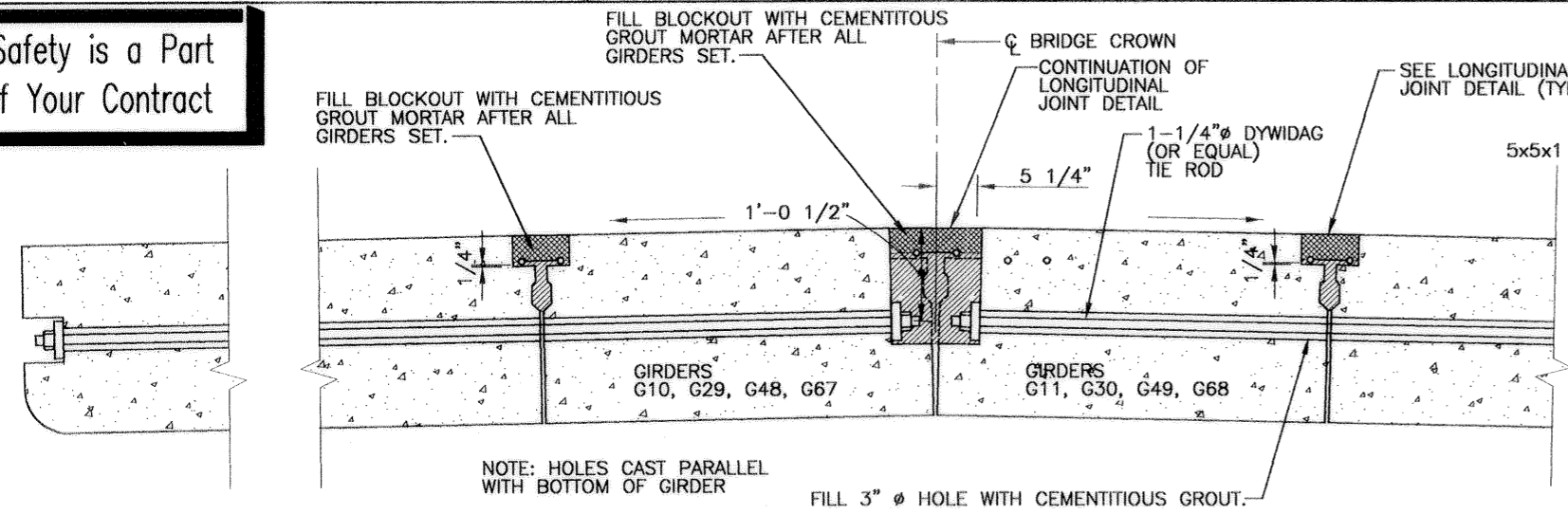
ABBREVIATION CONTY. = CONTINUITY



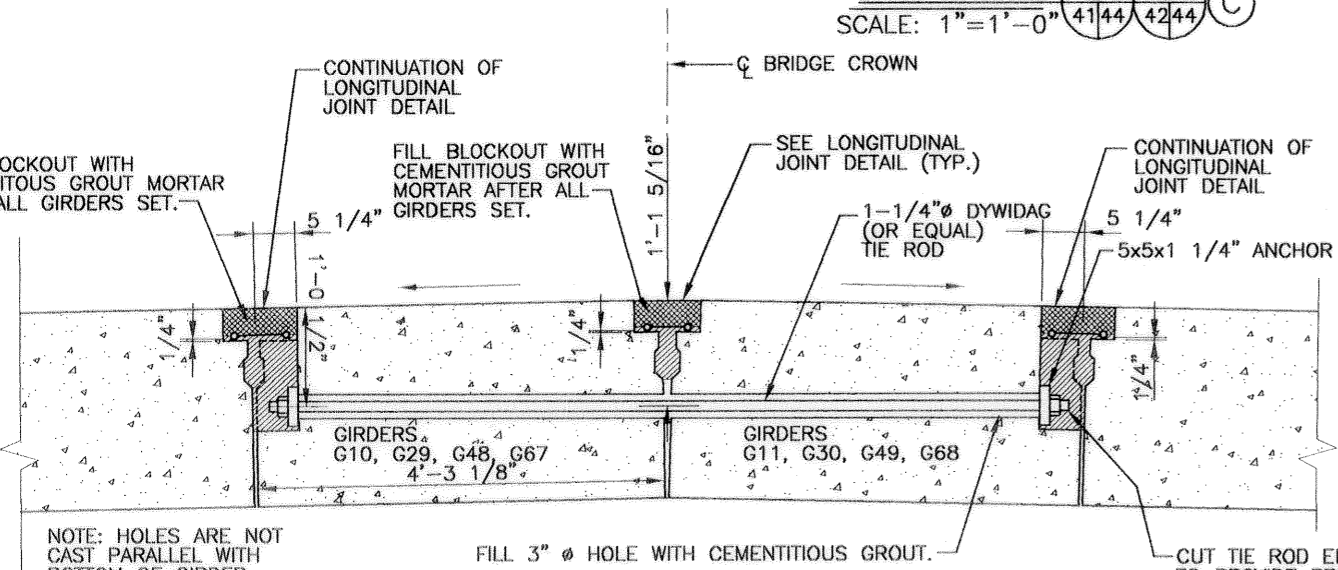
SYMBOL	DESCRIPTION	DATE	APPROVED
REVISIONS			
U.S. ARMY ENGINEER DISTRICT, NEW ORLEANS CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA			
BOARD OF LEVEE COMMISSIONERS ORLEANS LEVEE DISTRICT NEW ORLEANS, LOUISIANA		LINEFIELD, HUNTER & JUNIUS, INC. CONSULTING ENGINEERS AND ARCHITECTS 3500 North Causeway Blvd., Suite 200 Metairie, Louisiana 70002	
LAKE PONTCHARTRAIN, LA. AND VICINITY HIGH LEVEL PLAN LONDON AVE. OUTFALL CANAL, PARALLEL PROTECTION FLOODPROOFING OF LEON C. SIMON BLVD. BRIDGE ORLEANS PARISH, LOUISIANA			
PCC GIRDER DETAILS - 3			
DESIGNED BY: PWB	DATE: FEB. 1998	PLOT SCALE: 12	PLOT DATE: 2/20/98
DRAWN BY: RKP	CADD FILE: 447328K.DGN	FILE NO. H-4-44955	
CHECKED BY: AFG	SUBMITTED BY:	SOLICITATION NO. DACW29-98-B-0065	DWG. 43 OF 68
A. GOODSON DESIGN ENGINEER			



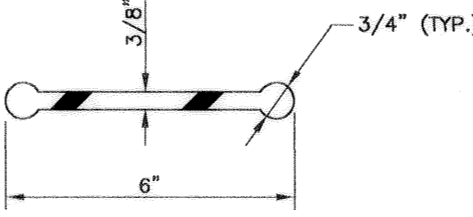
Safety is a Part of Your Contract



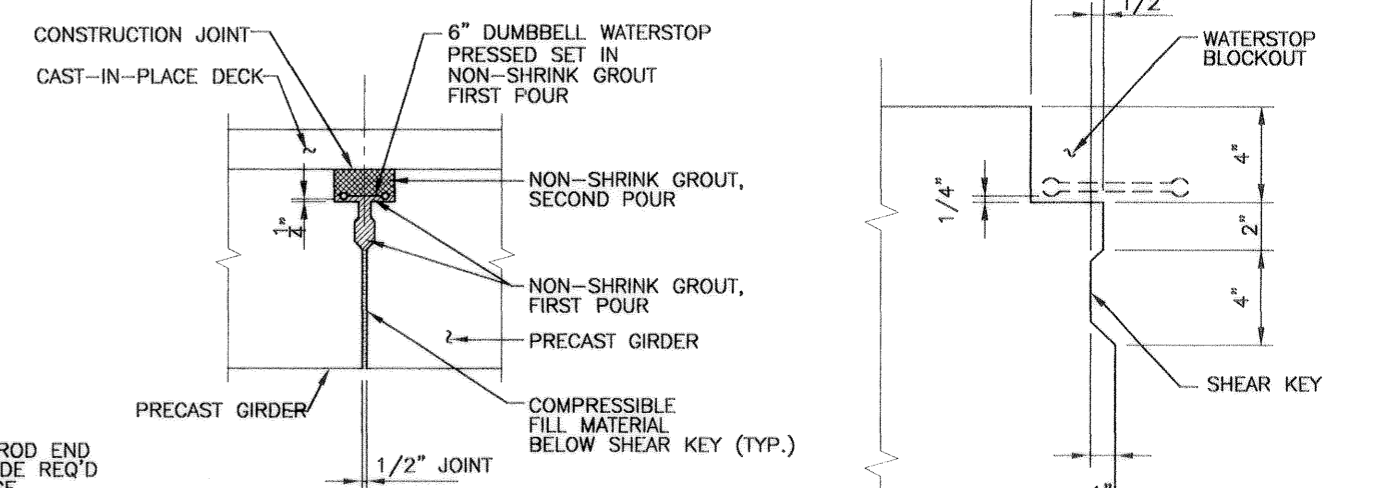
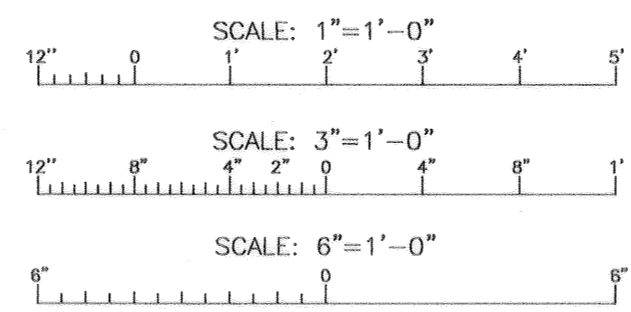
SECTION C-C SCALE: 1"=1'-0"



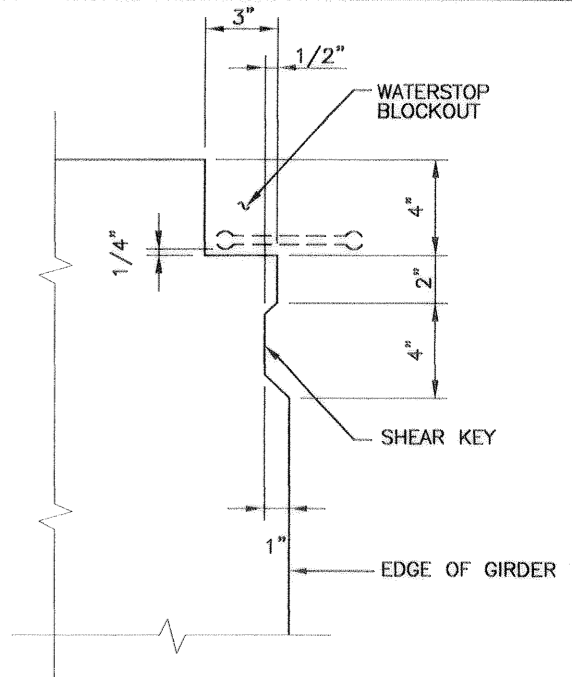
SECTION D-D SCALE: 1"=1'-0"



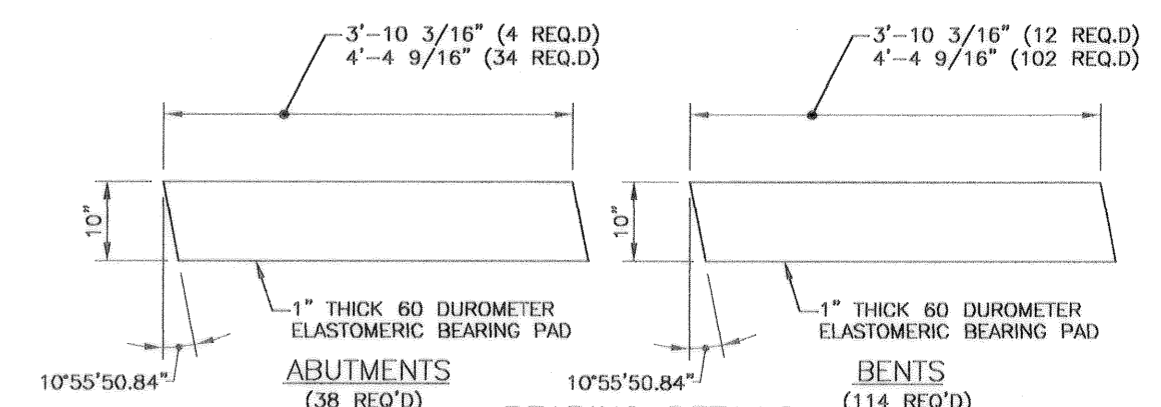
DUMBELL WATERSTOP DETAIL SCALE: 6"=1'-0"



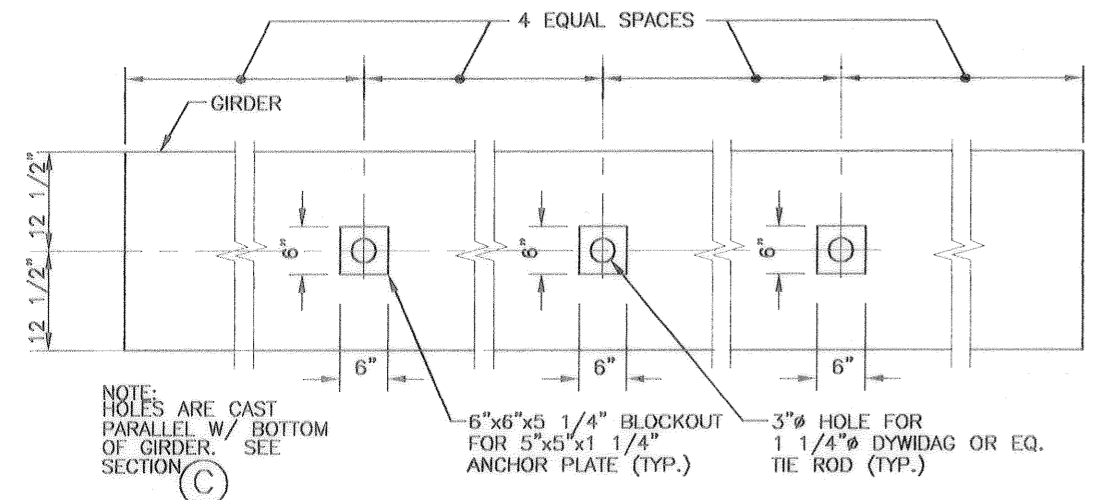
LONGITUDINAL JOINT DETAIL SCALE: 1"=1'-0"



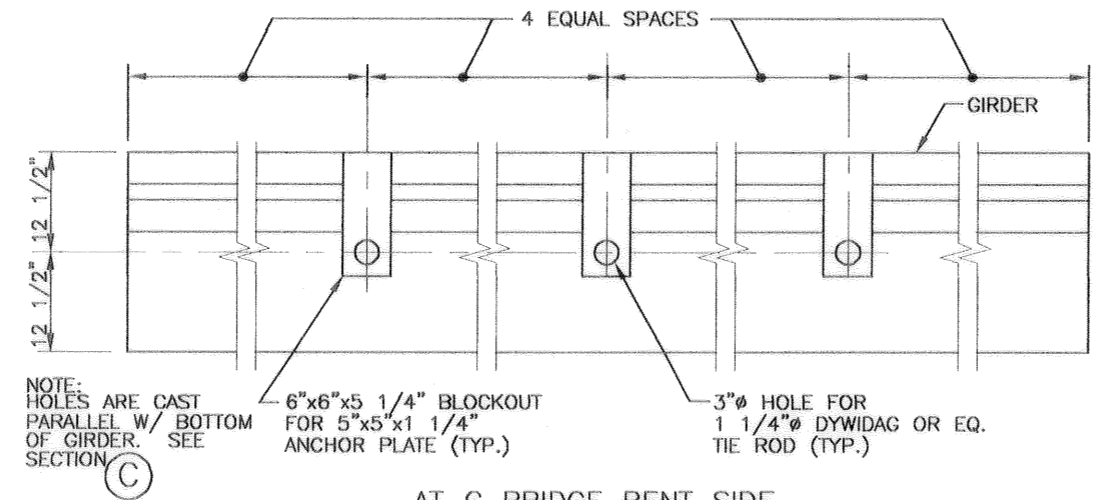
DETAIL 1 SHEAR KEY & WATERSTOP BLOCKOUT SCALE: 3"=1'-0"



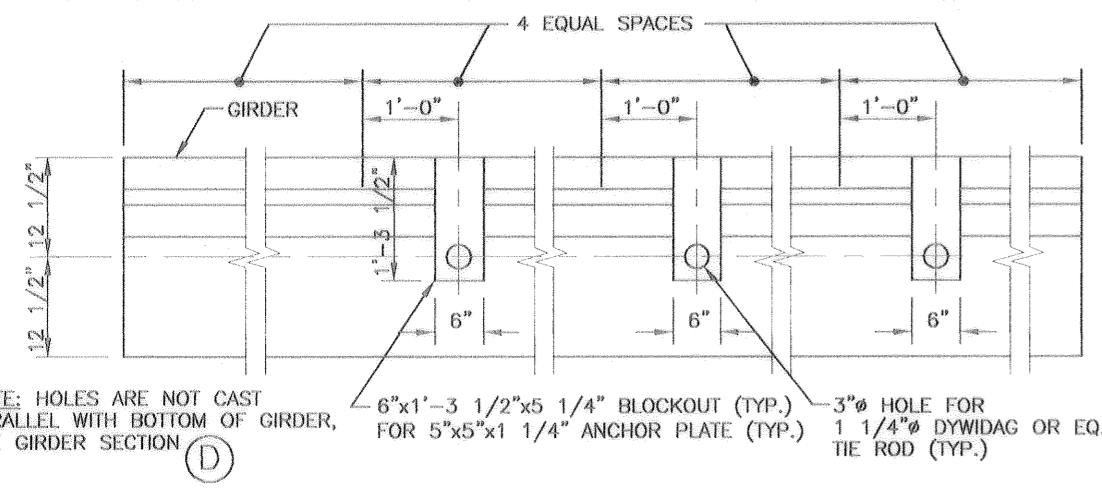
BEARING DETAILS SCALE: 1"=1'-0"



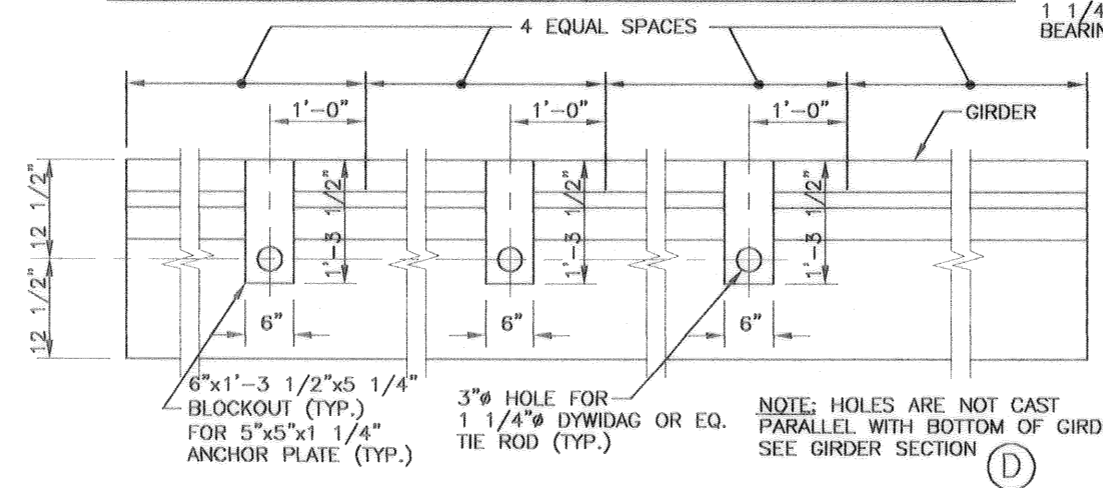
FOR EXTERIOR SIDE OF GIRDERS G1, G19, G20, G38, G39, G57, G58, & G76



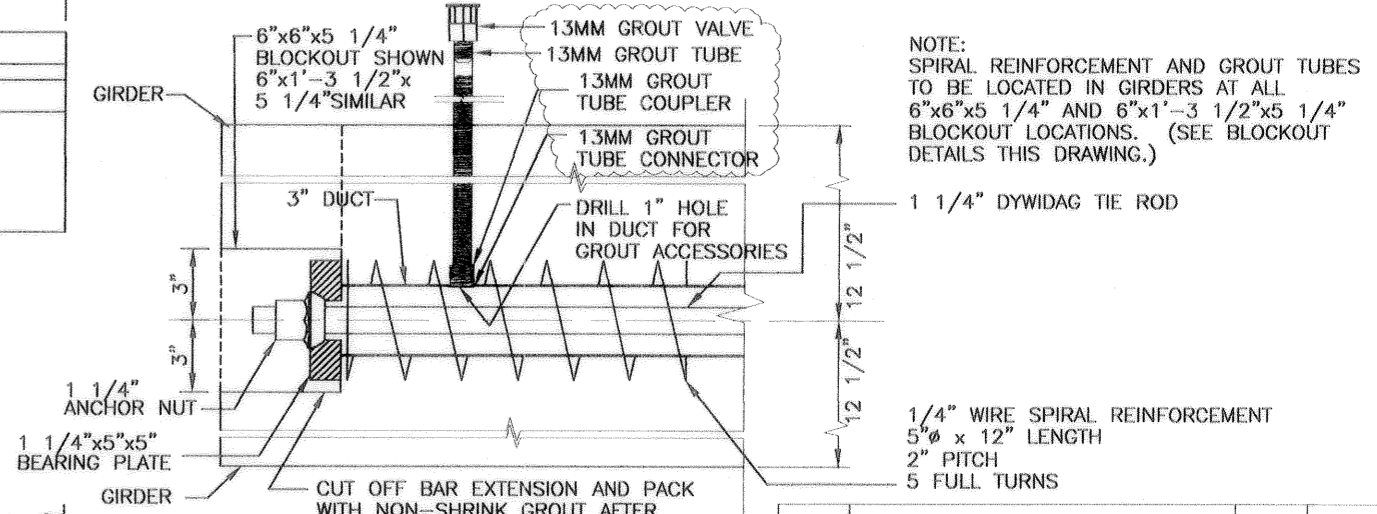
AT BRIDGE BENT SIDE GIRDERS G10, G11, G29, G30, G48, G49, G67, G68 ONLY



AT OPPOSITE EDGE OF BRIDGE BENT SIDE GIRDERS G10, G29, G48, G67 ONLY



AT OPPOSITE EDGE OF BRIDGE BENT SIDE GIRDERS G11, G30, G49, G68 ONLY



SPIRAL REINFORCEMENT AND GROUT TUBE DETAIL SCALE: 3"=1'-0"

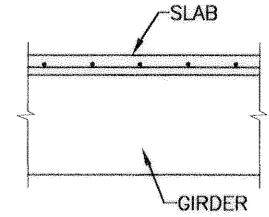
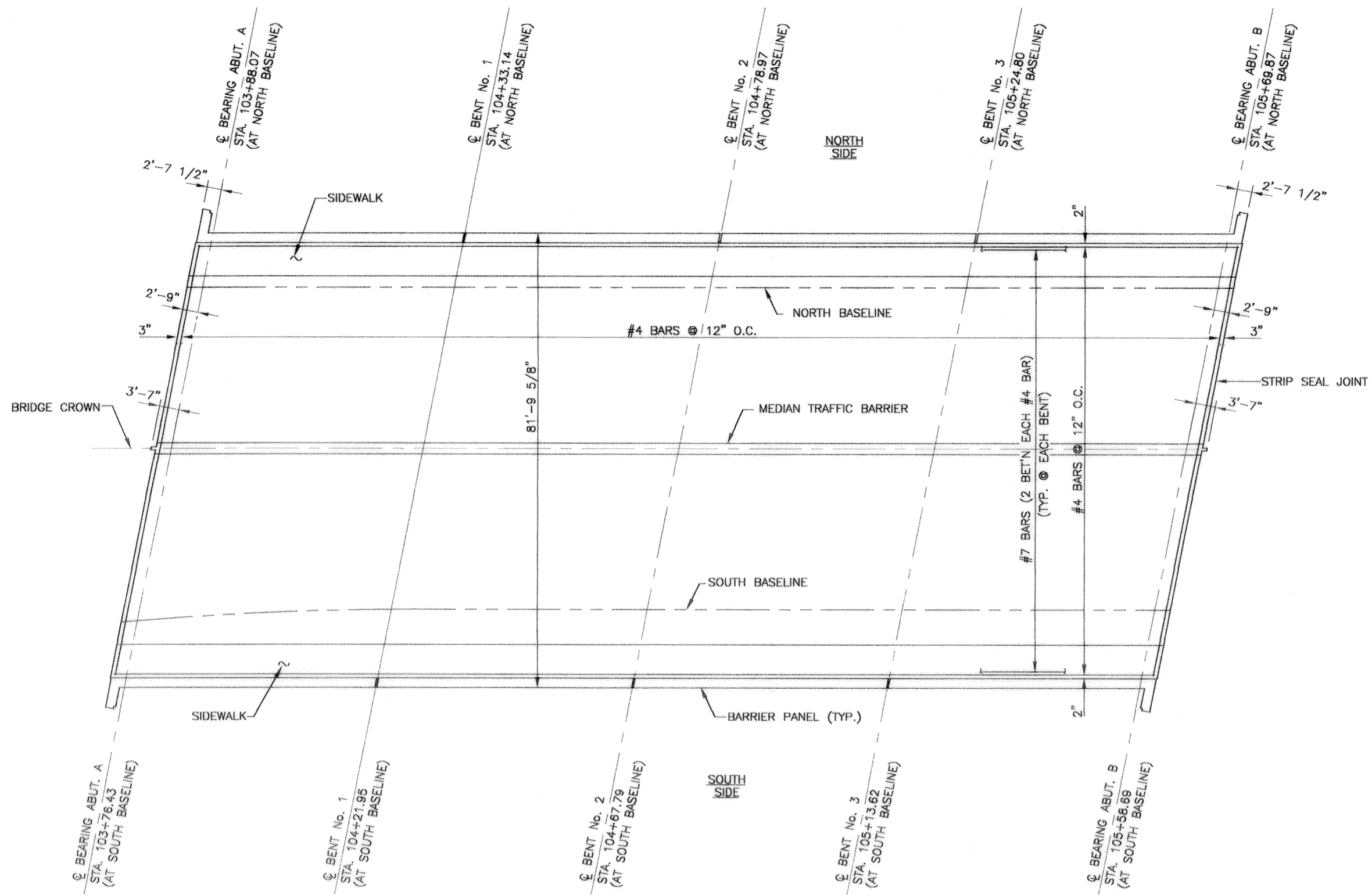
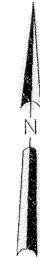
TIE ROD SEQUENCE

1. PLACE GIRDERS G10, G11, G29, G30, G48, G49, G67 & G68, INSTALL SHORT TIE RODS AND TENSION TO 5 KIPS.
2. PLACE REMAINING GIRDERS, INSTALL LONG TIE RODS AND TENSION TO 5 KIPS.
3. FILL 3" HOLES WITH CEMENTITIOUS GROUT.
4. FILL INTERIOR BLOCKOUTS WITH CEMENTITIOUS GROUT.
5. FILL EXTERIOR BLOCKOUTS WITH DRY PACK MORTAR.

SYMBOL	DESCRIPTION	DATE	APPROVED
REVISIONS			
U.S. ARMY ENGINEER DISTRICT, NEW ORLEANS CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA			
BOARD OF LEVEE COMMISSIONERS ORLEANS LEVEE DISTRICT NEW ORLEANS, LOUISIANA		LINFIELD, HUNTER & JUNIUS, INC. CONSULTING ENGINEERS AND ARCHITECTS 3500 North Canaway Blvd. Suite 200 Metairie, Louisiana 70002	
LAKE PONTCHARTRAIN, LA. AND VICINITY HIGH LEVEL PLAN LONDON AVE. OUTFALL CANAL, PARALLEL PROTECTION FLOODPROOFING OF LEON C. SIMON BLVD. BRIDGE ORLEANS PARISH, LOUISIANA			
PCC GIRDER DETAILS -- 4			
DESIGNED BY: PWB	DATE: FEB. 1998	PLOT SCALE: 12	PLOT DATE: 2/20/98
DRAWN BY: RKP	CADD FILE: 447328LKDGN	FILE NO. H-4-44955	
CHECKED BY: AFG	SUBMITTED BY: A. GOODSON DESIGN ENGINEER	DAW29-98-B-0065	DWG. 44 OF 68



GIRDER ELEVATIONS-TIE ROD BLOCKOUT DETAILS SCALE: 1"=1'-0"



SLAB PLACING PLAN

SCALE: 1" = 10'



NOTE:
CAST IN PLACE SLAB IS PLACED CONTINUOUSLY OVER ENTIRE SPAN

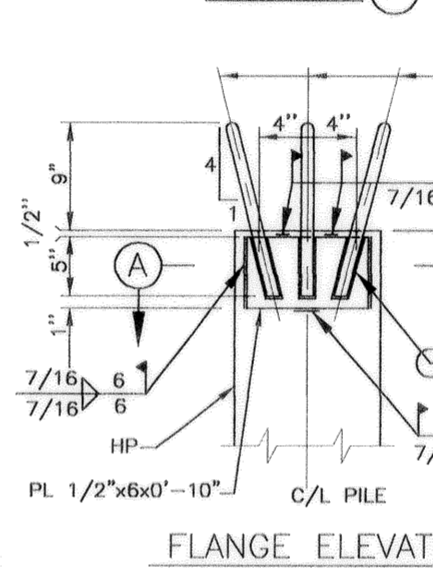
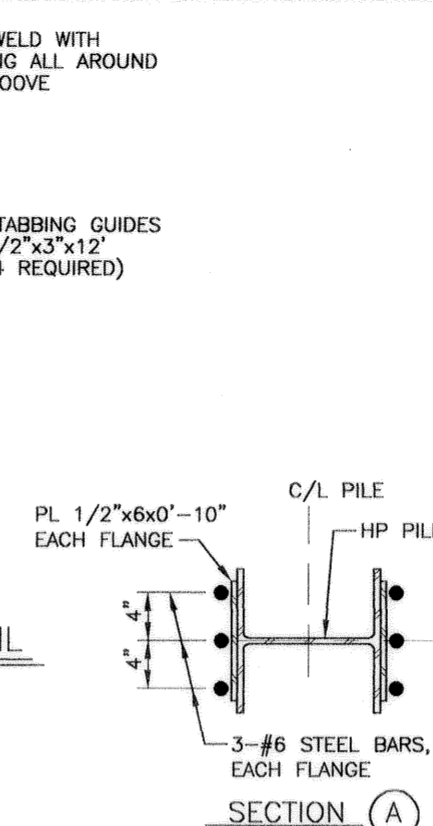
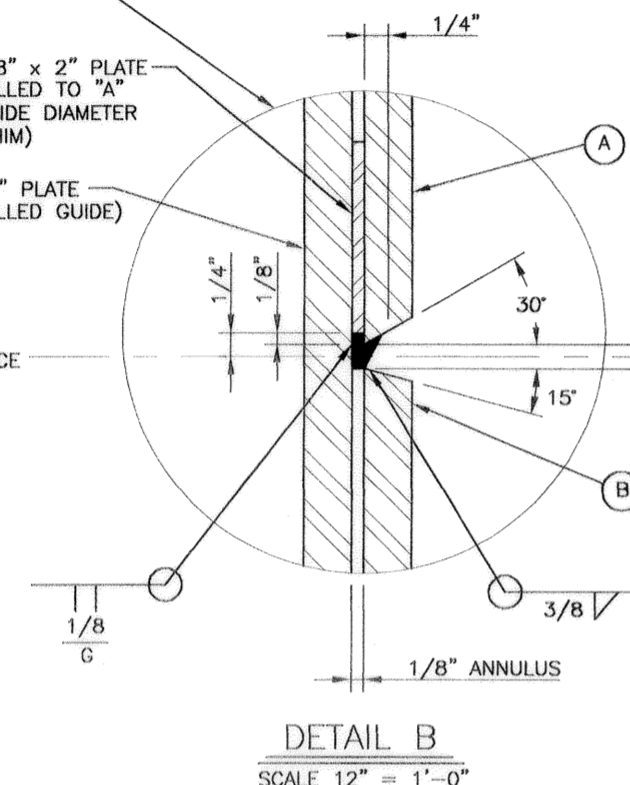
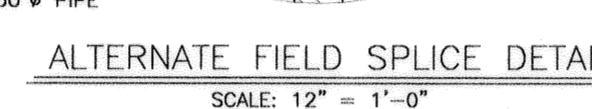
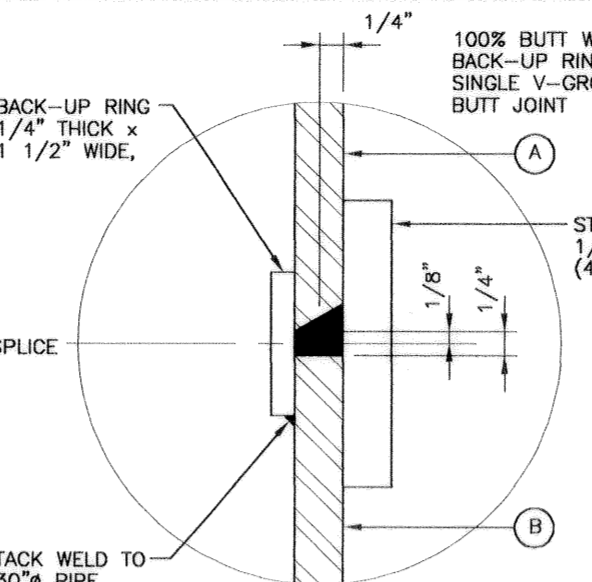
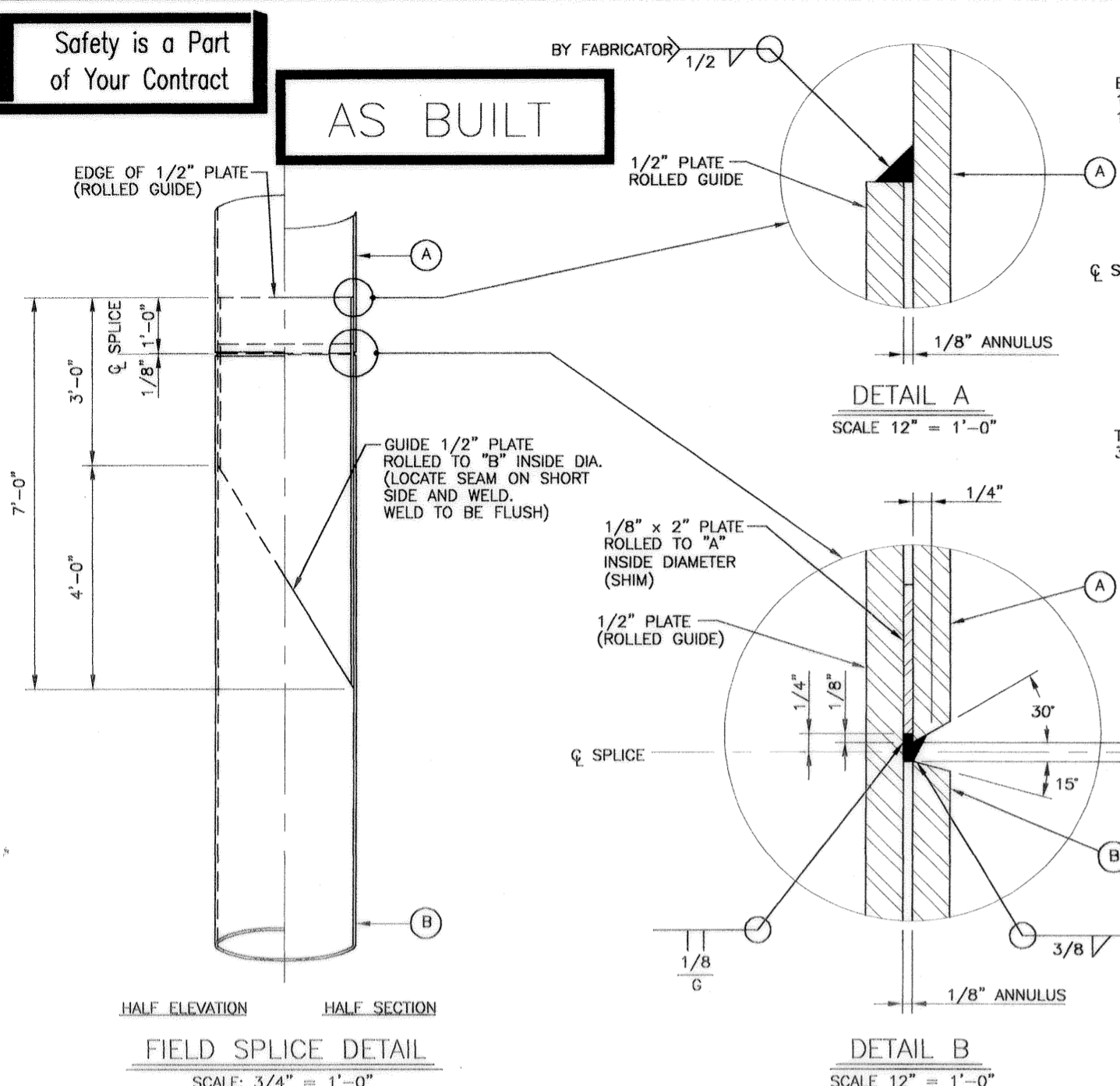
NOTE:
FOR GENERAL NOTES, SEE DWG. No. 2 & 3.
FOR TYPICAL SUPERSTRUCTURE SECTION SEE DWGS. No. 30 AND 40.
ALL LONGITUDINAL LAPS TO BE MADE ONLY AT THIRD POINTS BETWEEN SPANS.
ALL TRANSVERSE LAPS TO BE MADE ONLY AT BRIDGE CROWN.

SYMBOL	DESCRIPTION	DATE	APPROVED
REVISIONS			
U.S. ARMY ENGINEER DISTRICT, NEW ORLEANS CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA			
BOARD OF LEVEE COMMISSIONERS ORLEANS LEVEE DISTRICT NEW ORLEANS, LOUISIANA		LINFIELD, HUNTER & JUNIUS, INC. CONSULTING ENGINEERS AND ARCHITECTS 3500 North Canaway Blvd. Suite 200 Metairie, Louisiana 70002	
LAKE PONTCHARTRAIN, LA. AND VICINITY HIGH LEVEL PLAN LONDON AVE. OUTFALL CANAL, PARALLEL PROTECTION FLOODPROOFING OF LEON C. SIMON BLVD. BRIDGE ORLEANS PARISH, LOUISIANA			
SLAB PLACING PLAN			
DESIGNED BY: PWB	DATE: FEB. 1998	PLOT SCALE: 10	PLOT DATE: 2/20/98
DRAWN BY: RKP	CADD FILE: 44732BLK.DGN	FILE NO. H-4-44955	
CHECKED BY: AFG	SOLICITATION NO. DACW29-98-B-0065		DWG. 45 OF 68
SUBMITTED BY: A. GOODGION DESIGN ENGINEER			



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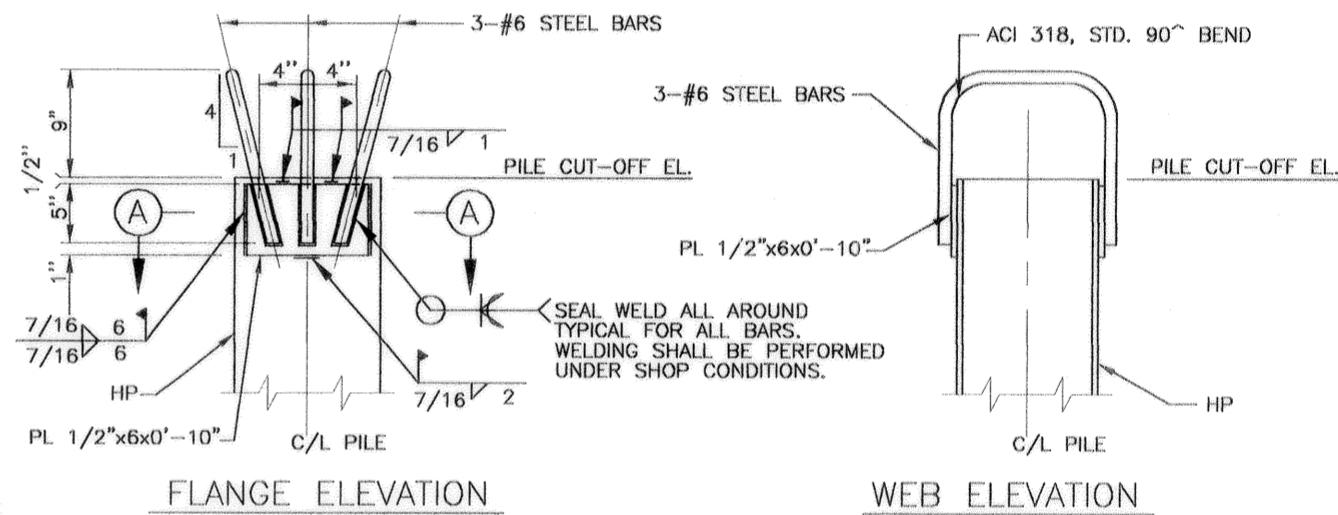
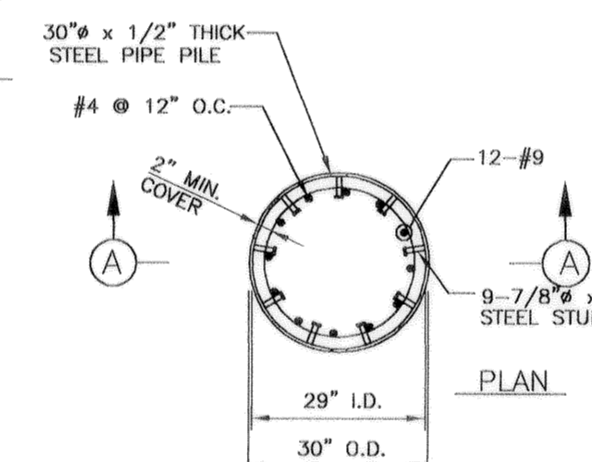
AS BUILT



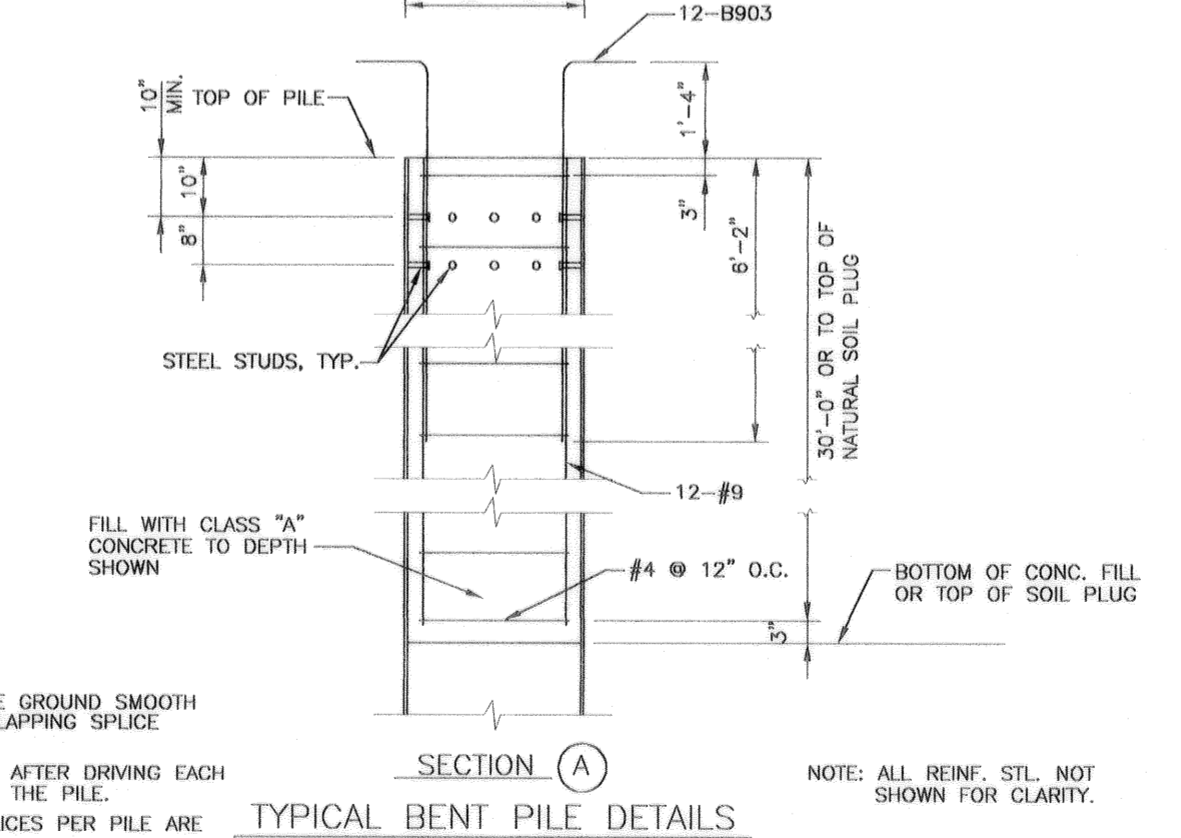
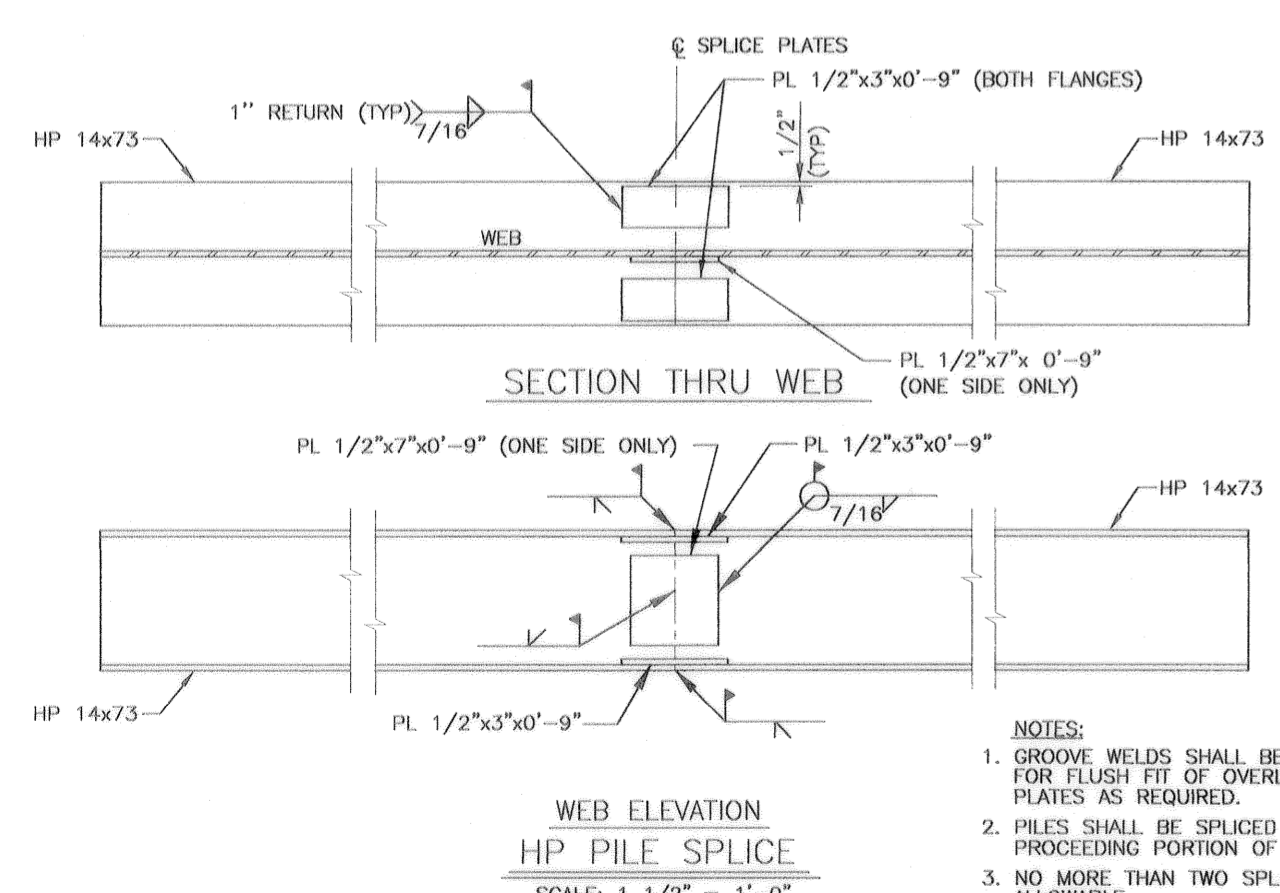
H-PILE SCHEDULE						
LOCATION	STATION	No. VERTICAL PILES	ORDER LENGTH *	No. BATTER PILES	BATTER	ORDER LENGTH *
ABUTMENT A	103+88.07 NORTH BASELINE	12	94'	0	1:12	94'
ABUTMENT B	105+69.87 NORTH BASELINE	12	94'	0	1:12	94'

PIPE PILE SCHEDULE						
LOCATION	STATION	No. VERTICAL PILES	ORDER LENGTH *	No. BATTER PILES	BATTER	ORDER LENGTH *
BENT No.1	104+33.14 NORTH BASELINE	10	93'	2	1:12	93'
BENT No.2	104+78.97 NORTH BASELINE	10	93'	2	1:12	93'
BENT No.3	105+24.80 NORTH BASELINE	10	93'	2	1:12	93'

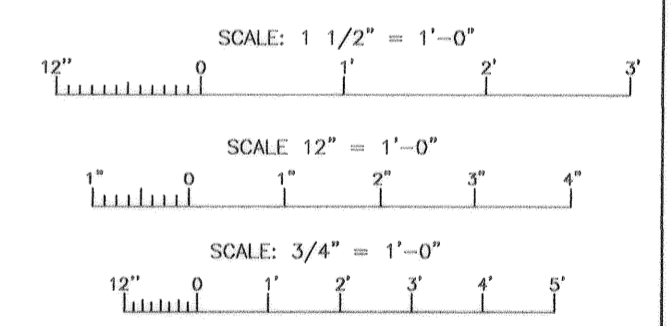
*FOR ESTIMATING PURPOSES ONLY, EXACT LENGTHS TO BE DETERMINED BASED ON PILE LOAD TESTS.



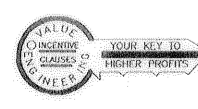
NOTE: ALL ABUTMENT H-PILES SHALL HAVE TENSION PILE CONNECTION.
SCALE: 1 1/2" = 1'-0"



- NOTES:
- GROOVE WELDS SHALL BE GROUND SMOOTH FOR FLUSH FIT OF OVERLAPPING SPLICE PLATES AS REQUIRED.
 - PILES SHALL BE SPLICED AFTER DRIVING EACH PROCEEDING PORTION OF THE PILE.
 - NO MORE THAN TWO SPLICES PER PILE ARE ALLOWABLE.
 - THE MINIMUM DISTANCE BELOW THE PILE CUTOFF ELEVATION TO THE FIRST PILE SPLICE SHALL BE 30'-0".
 - THE FOUR FLANGE PLATES SHALL BE IN PLACE BEFORE THE GROOVE WELDS ARE MADE.

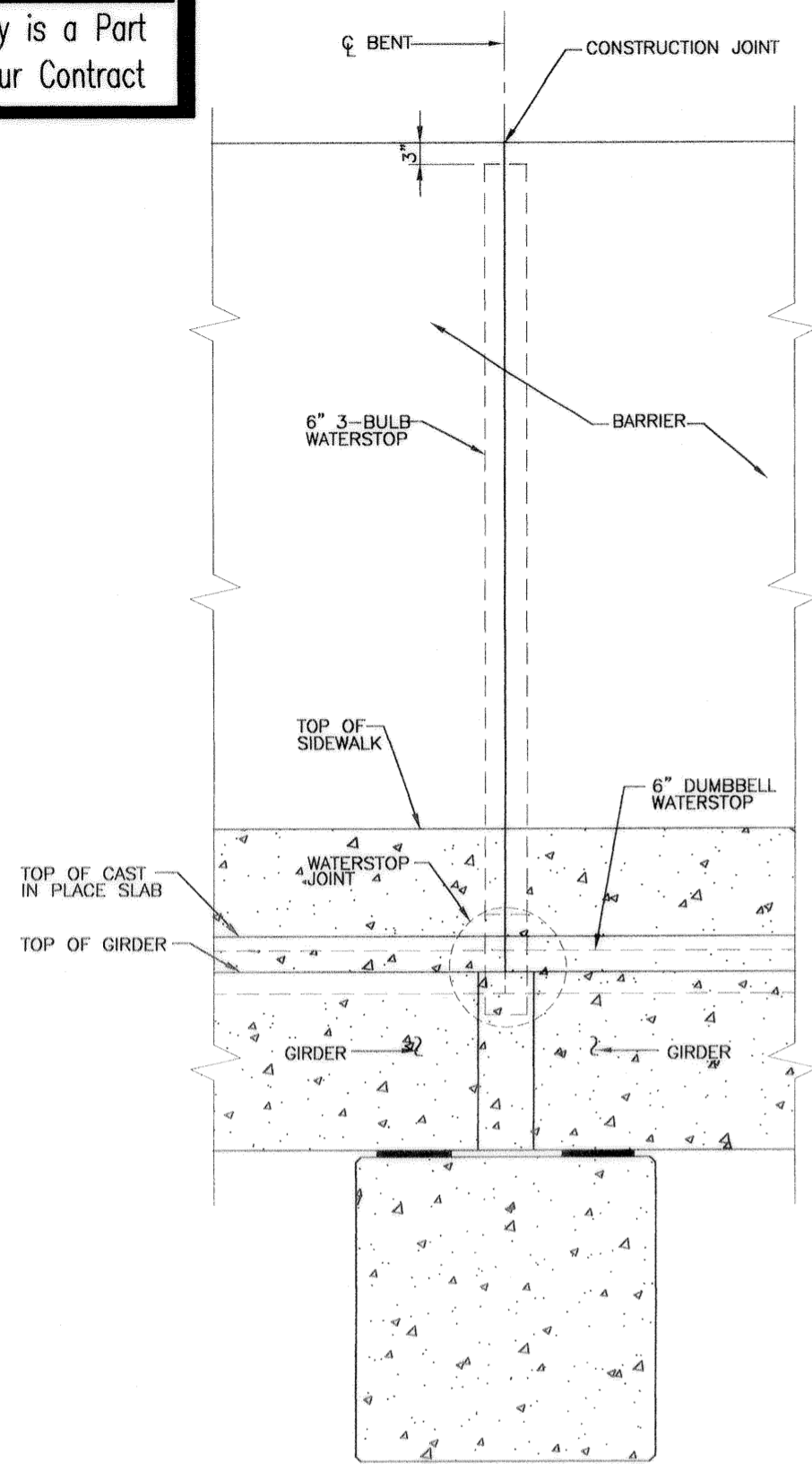


SYMBOL	DESCRIPTION	DATE	APPROVED
REVISIONS U.S. ARMY ENGINEER DISTRICT, NEW ORLEANS CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA <small>BOARD OF LEVEE COMMISSIONERS ORLEANS LEVEE DISTRICT NEW ORLEANS, LOUISIANA</small>			
<small>LAKE PONTCHARTRAIN, LA. AND VICINITY HIGH LEVEL PLAN</small> LONDON AVE. OUTFALL CANAL, PARALLEL PROTECTION FLOODPROOFING OF LEON C. SIMON BLVD. BRIDGE <small>ORLEANS PARISH, LOUISIANA</small>		<small>LINFIELD, HUNTER & JUNIUS, INC. CONSULTING ENGINEERS AND ARCHITECTS 3500 North Causeway Blvd., Suite 200 Metairie, Louisiana 70002</small>	
DESIGNED BY: PWB	DATE: FEB. 1998	PLOT SCALE: 16	PLOT DATE: 2/20/98
DRAWN BY: RKP	CADD FILE: 44732RJK.DGN	FILE NO. H-4-44955	
CHECKED BY: AFG	SOLICITATION NO. DACW29-98-B-0065	DWG. 46	OF 68
SUBMITTED BY: A. GOODGION DESIGN ENGINEER			



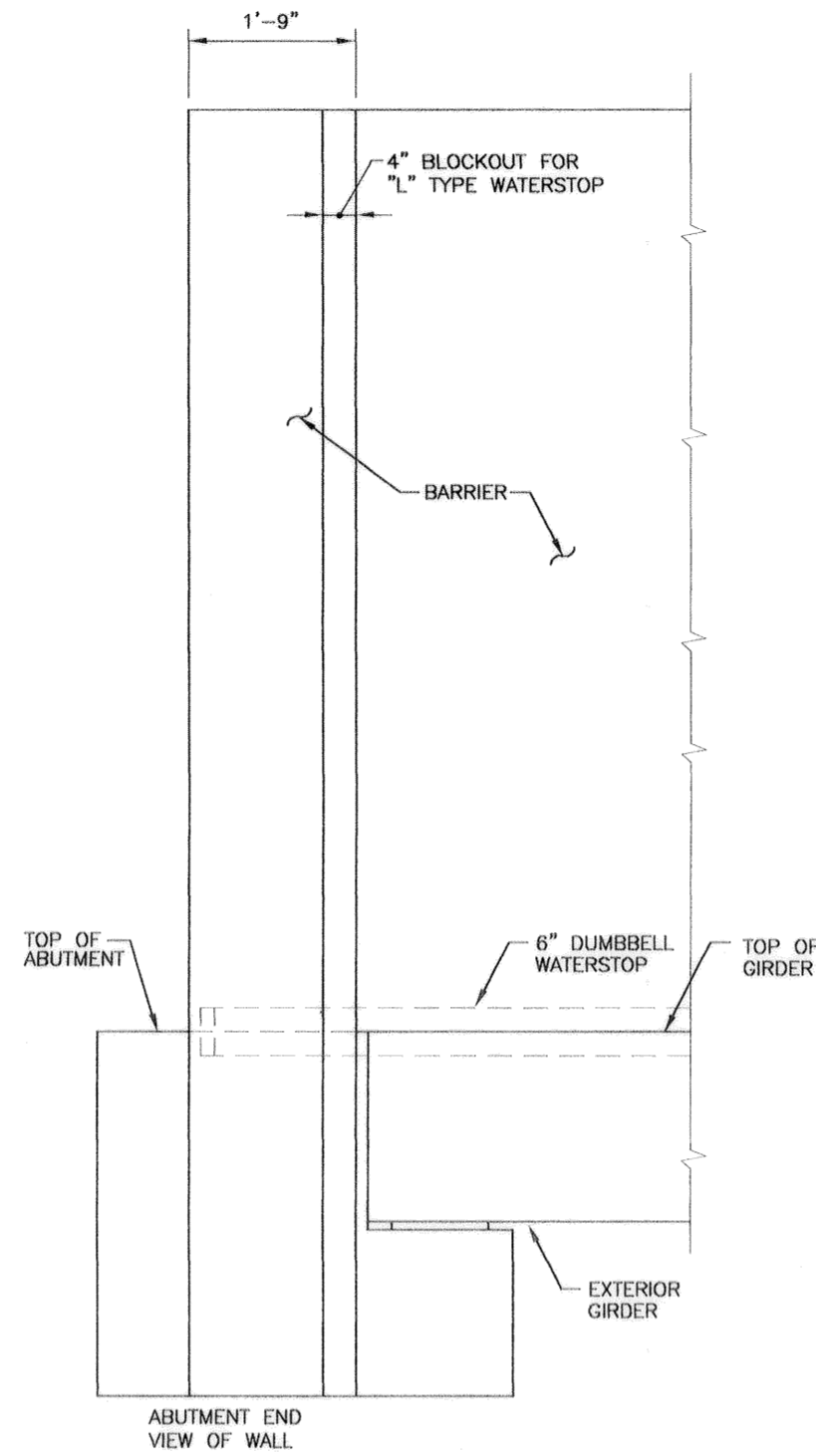
Safety is a Part of Your Contract

AS BUILT



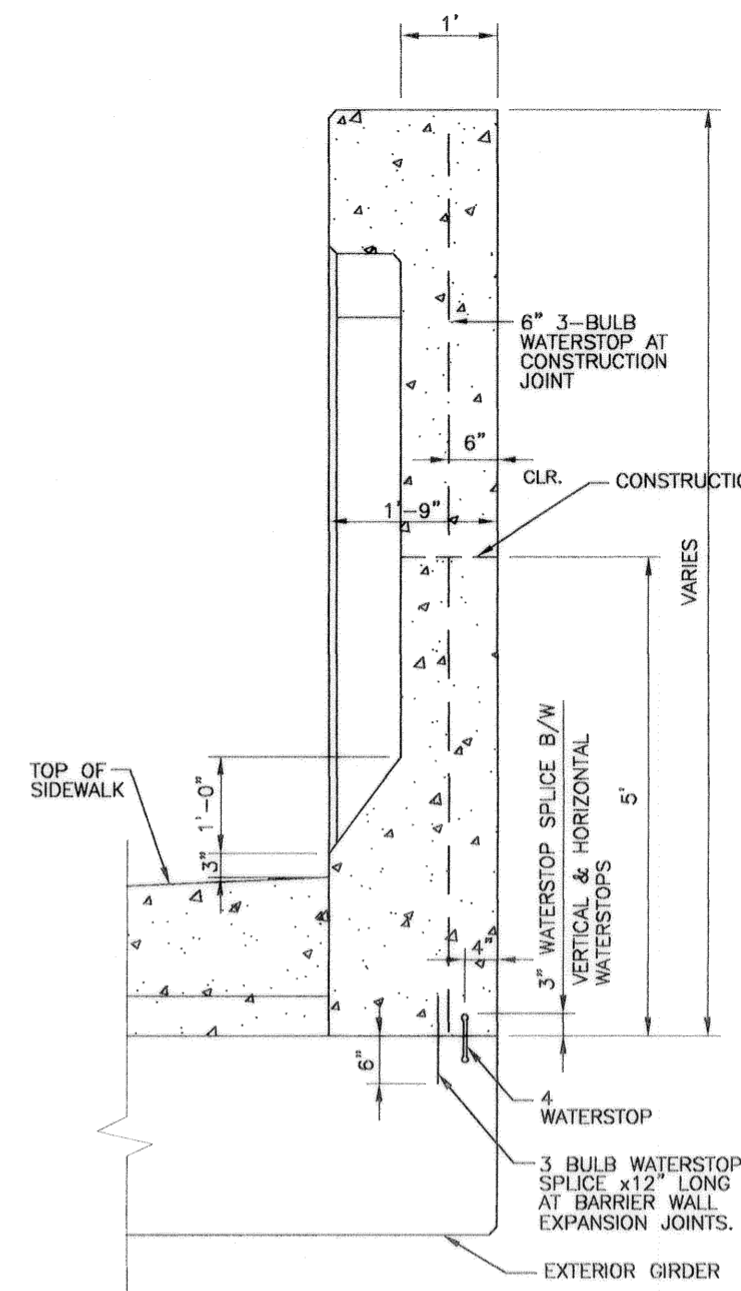
BARRIER JOINT AT BENTS

SCALE: 1"=1'-0"



GIRDER/BARRIER SEAL AT ABUTMENTS

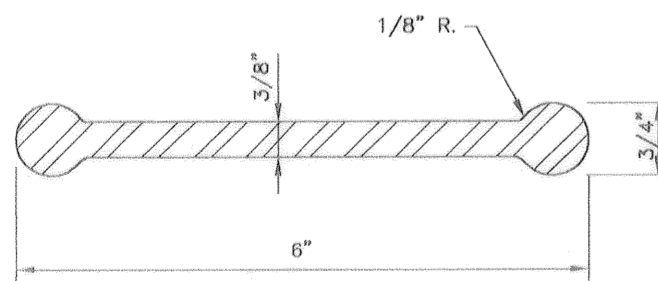
SCALE: 1"=1'-0"



EXTERIOR BARRIER DETAIL

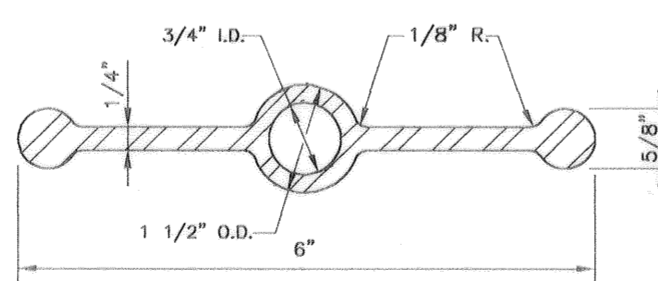
SCALE: 1"=1'-0"

NOTE: FOR BARRIER WALL REINFORCEMENT
SEE DWG. 40
FOR ARCHITECTURAL FINISH
SEE DWG. 48



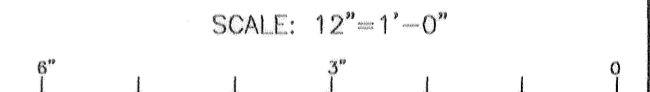
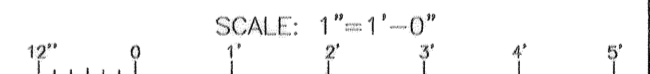
DUMBELL WATERSTOP

SCALE: 12"=1'-0"



3-BULB WATERSTOP

SCALE: 12"=1'-0"



SYMBOL	DESCRIPTION	DATE	APPROVED

REVISIONS

U.S. ARMY ENGINEER DISTRICT, NEW ORLEANS
CORPS OF ENGINEERS
NEW ORLEANS, LOUISIANA

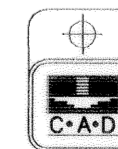
BOARD OF LEVEE COMMISSIONERS
ORLEANS LEVEE DISTRICT
NEW ORLEANS, LOUISIANA

LINFIELD, HUNTER & JUNIUS, INC.
CONSULTING ENGINEERS AND ARCHITECTS
3500 North Causeway Blvd. Suite 200
Metairie, Louisiana 70002

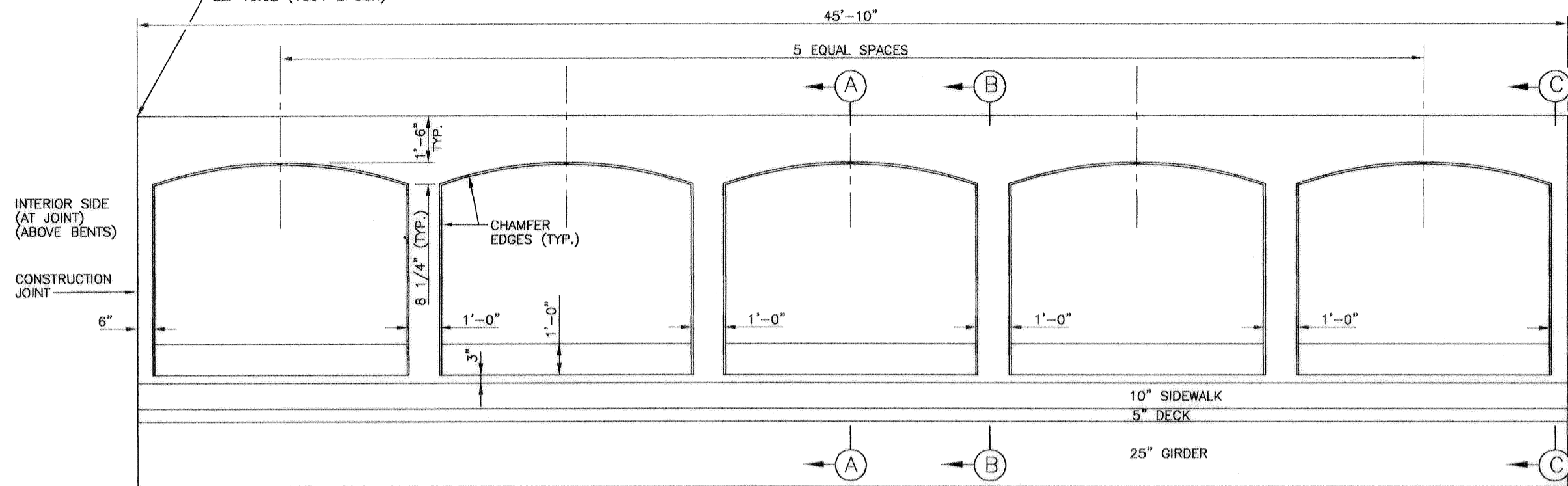
LAKE PONCHARTRAIN, LA. AND VICINITY
HIGH LEVEL PLAN
LONDON AVE. OUTFALL CANAL, PARALLEL PROTECTION
FLOODPROOFING OF
LEON C. SIMON BLVD. BRIDGE
ORLEANS PARISH, LOUISIANA

BARRIER JOINT DETAILS

DESIGNED BY: PWB	DATE: FEB. 1998	PLOT SCALE: 12	PLOT DATE: 2/20/98
DRAWN BY: RKP	CADD FILE: 44732BLK.DGN	FILE NO. H-4-44955	
CHECKED BY: AFG	SUBMITTED BY: A. GOODRION DESIGN ENGINEER	SOLICITATION NO. DACW29-98-B-0065	DWG. 47 OF 68



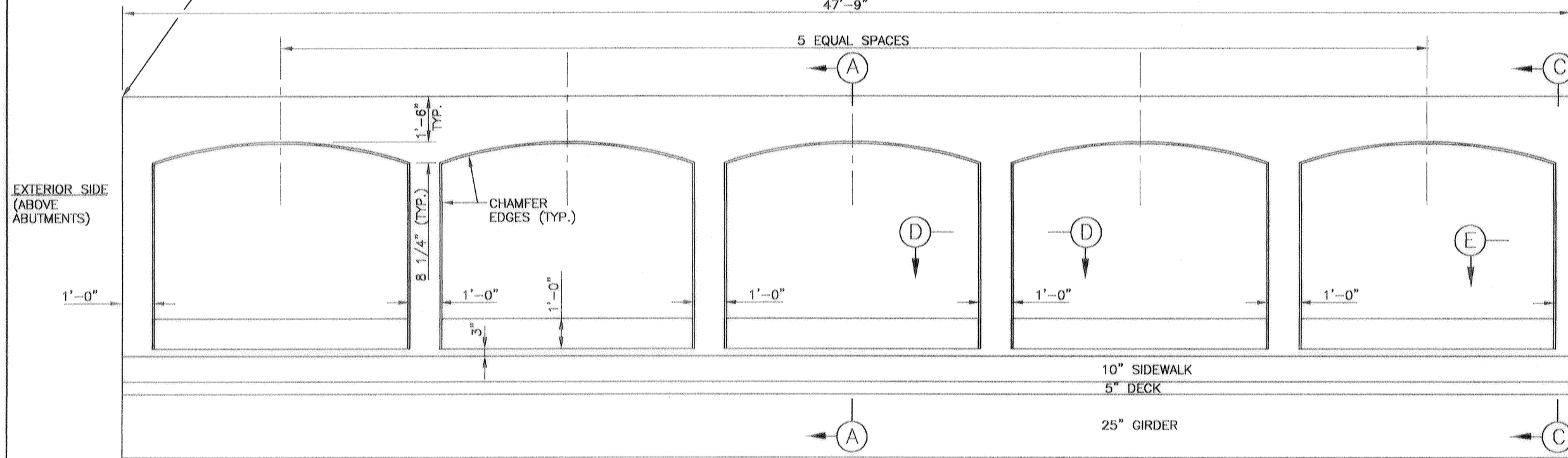
EL. 13.90 (1964 EPOCH)
EL. 13.02 (1991 EPOCH)



TYPICAL INTERIOR BARRIER WALL ARCHITECTURAL DETAIL

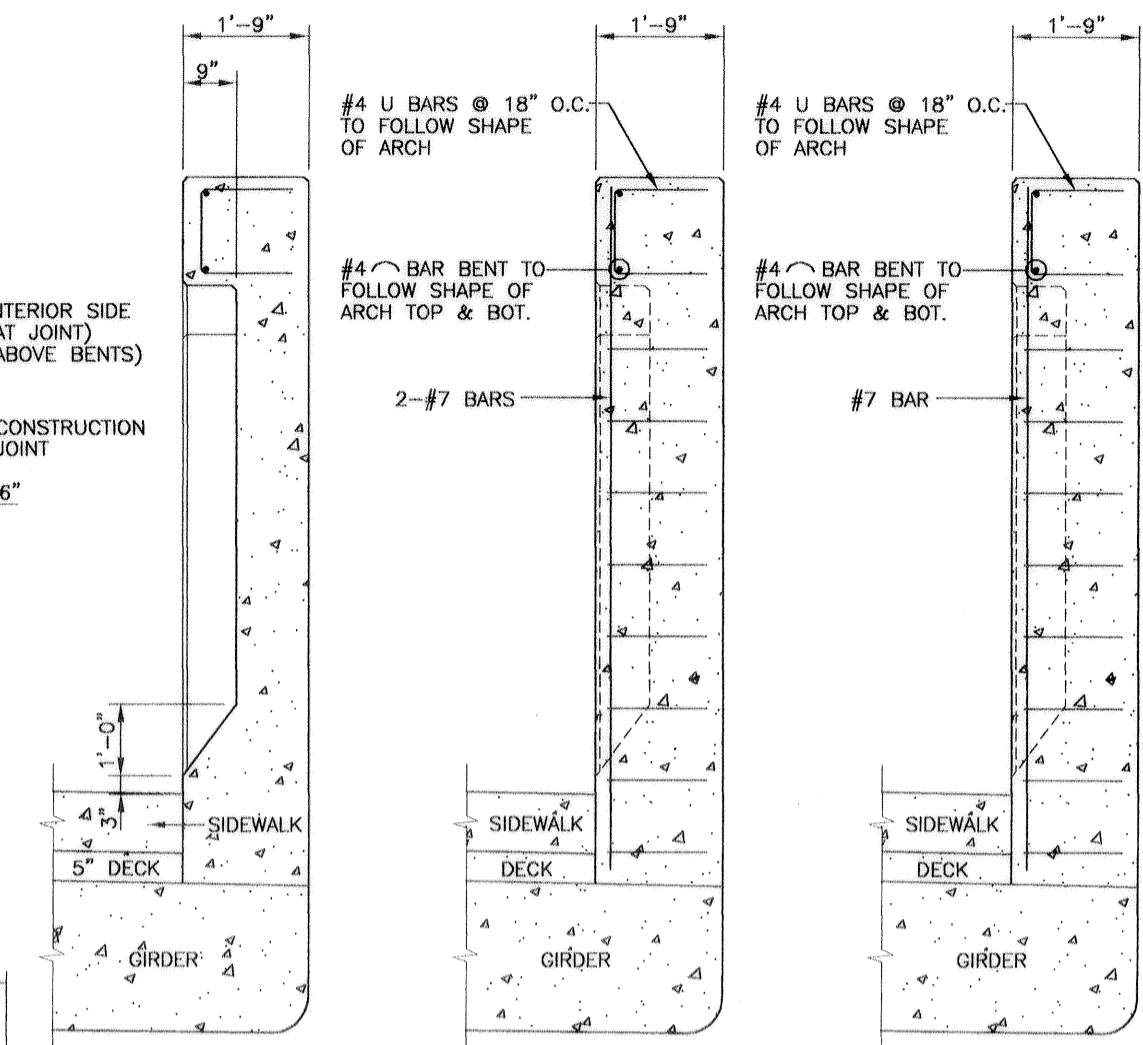
SCALE: 1/2" = 1'-0"

EL. 13.90 (1964 EPOCH)
EL. 13.02 (1991 EPOCH)



TYPICAL EXTERIOR BARRIER WALL ARCHITECTURAL DETAIL

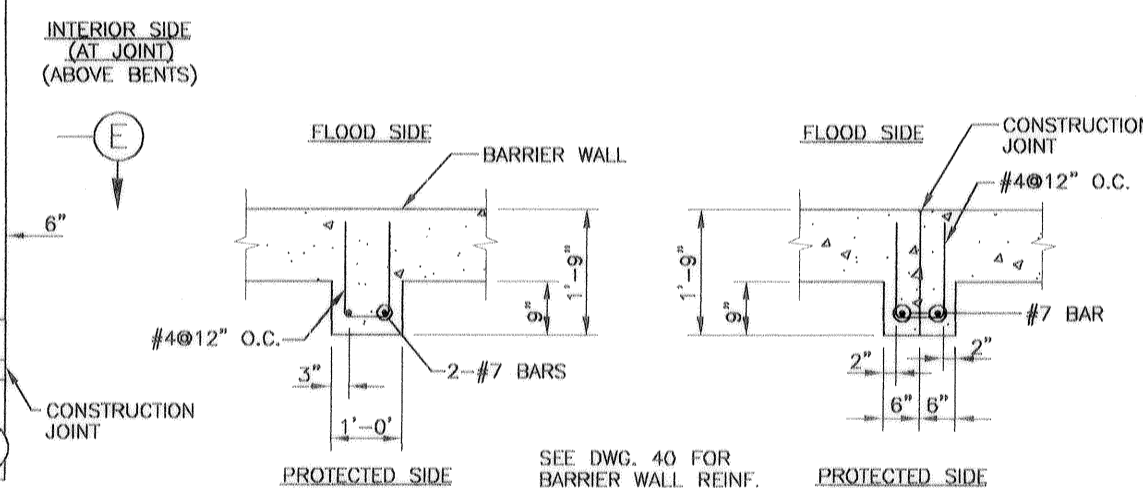
SCALE: 1/2" = 1'-0"



SECTION A
SCALE: 3/4" = 1'-0"

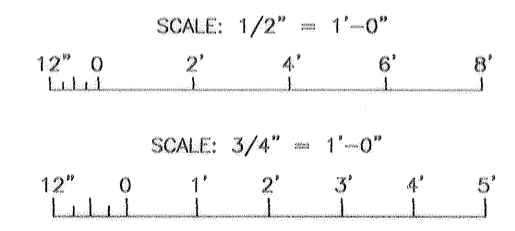
SECTION B
SCALE: 3/4" = 1'-0"

SECTION C
SCALE: 3/4" = 1'-0"



SECTION D
SCALE: 3/4" = 1'-0"

SECTION E
SCALE: 3/4" = 1'-0"



SYMBOL	DESCRIPTION	DATE	APPROVED
REVISIONS			
U.S. ARMY ENGINEER DISTRICT, NEW ORLEANS CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA			
BOARD OF LEVEE COMMISSIONERS ORLEANS LEVEE DISTRICT NEW ORLEANS, LOUISIANA		LINFIELD, HUNTER & JUNIUS, INC. CONSULTING ENGINEERS AND ARCHITECTS 3500 North Causeway Blvd., Suite 200 Metairie, Louisiana 70002	
LAKE PONCHARTRAIN, LA. AND VICINITY HIGH LEVEL PLAN LONDON AVE. OUTFALL CANAL, PARALLEL PROTECTION FLOODPROOFING OF LEON C. SIMON BLVD. BRIDGE ORLEANS PARISH, LOUISIANA BARRIER WALL ARCHITECTURAL DETAILS			
DESIGNED BY: PWB	DATE: FEB. 1998	PLOT SCALE: 24	PLOT DATE: 2/20/98
DRAWN BY: RKP	CADD FILE: 44732BLK.DGN	FILE NO. H-4-44955	
CHECKED BY: AFG	SOLICITATION NO. DACW29-98-B-0065	DWG. 48	OF 68
SUBMITTED BY: A. GOODWIN DESIGN ENGINEER			

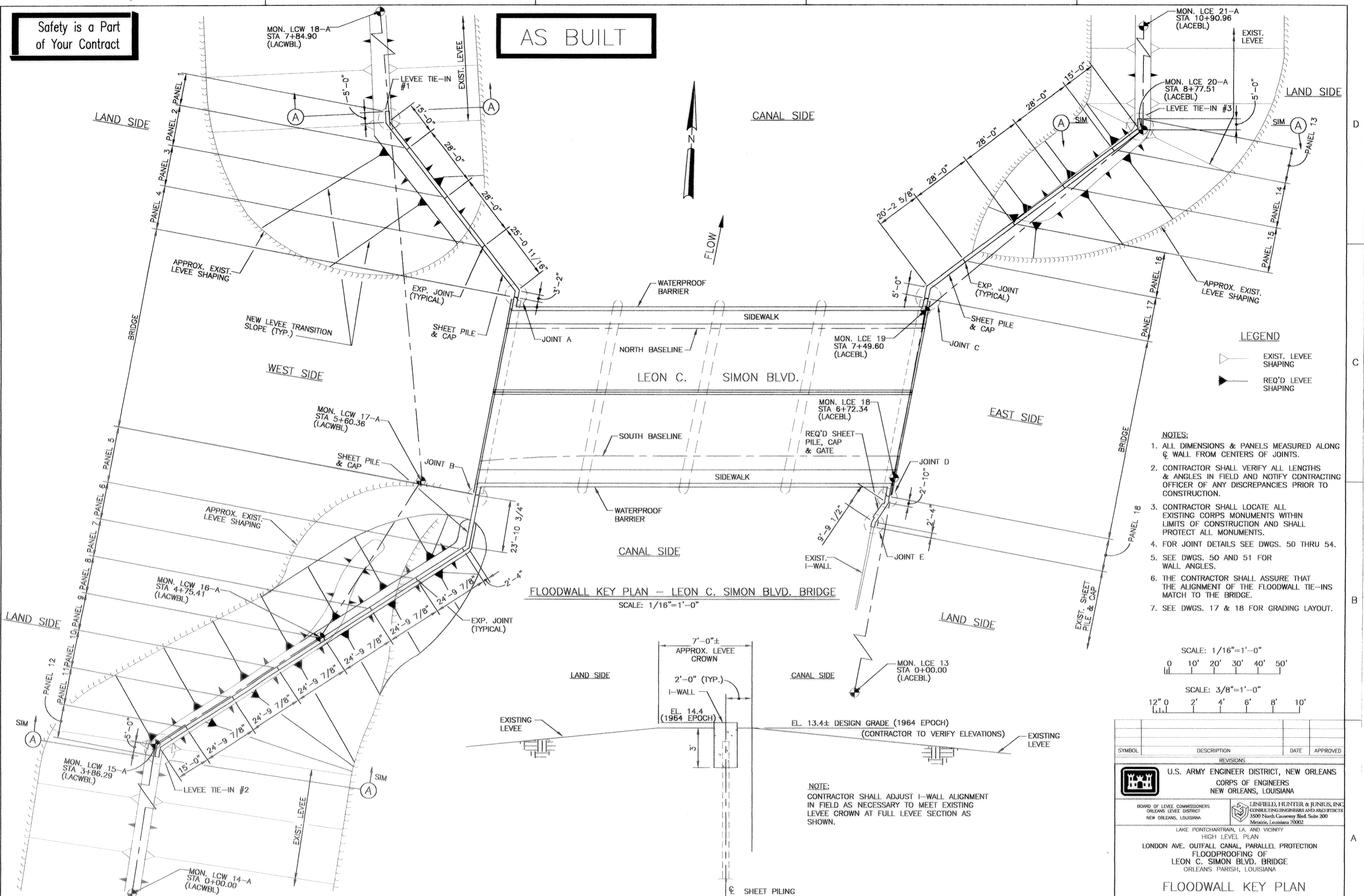
AS BUILT

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AS BUILT



FLOODWALL KEY PLAN - LEON C. SIMON BLVD. BRIDGE

SCALE: 1/16" = 1'-0"

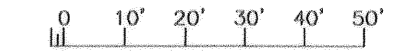
LEGEND

- ◁ EXIST. LEVEE SHAPING
- ▶ REQ'D LEVEE SHAPING

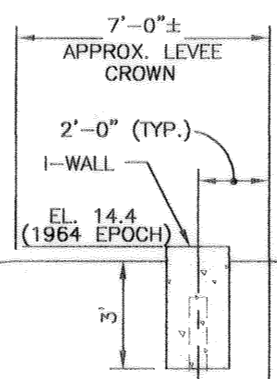
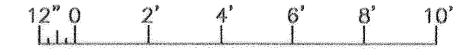
NOTES:

1. ALL DIMENSIONS & PANELS MEASURED ALONG C/WALL FROM CENTERS OF JOINTS.
2. CONTRACTOR SHALL VERIFY ALL LENGTHS & ANGLES IN FIELD AND NOTIFY CONTRACTING OFFICER OF ANY DISCREPANCIES PRIOR TO CONSTRUCTION.
3. CONTRACTOR SHALL LOCATE ALL EXISTING CORPS MONUMENTS WITHIN LIMITS OF CONSTRUCTION AND SHALL PROTECT ALL MONUMENTS.
4. FOR JOINT DETAILS SEE DWGS. 50 THRU 54.
5. SEE DWGS. 50 AND 51 FOR WALL ANGLES.
6. THE CONTRACTOR SHALL ASSURE THAT THE ALIGNMENT OF THE FLOODWALL TIE-INS MATCH TO THE BRIDGE.
7. SEE DWGS. 17 & 18 FOR GRADING LAYOUT.

SCALE: 1/16" = 1'-0"



SCALE: 3/8" = 1'-0"



NOTE:
CONTRACTOR SHALL ADJUST I-WALL ALIGNMENT IN FIELD AS NECESSARY TO MEET EXISTING LEVEE CROWN AT FULL LEVEE SECTION AS SHOWN.

SECTION A

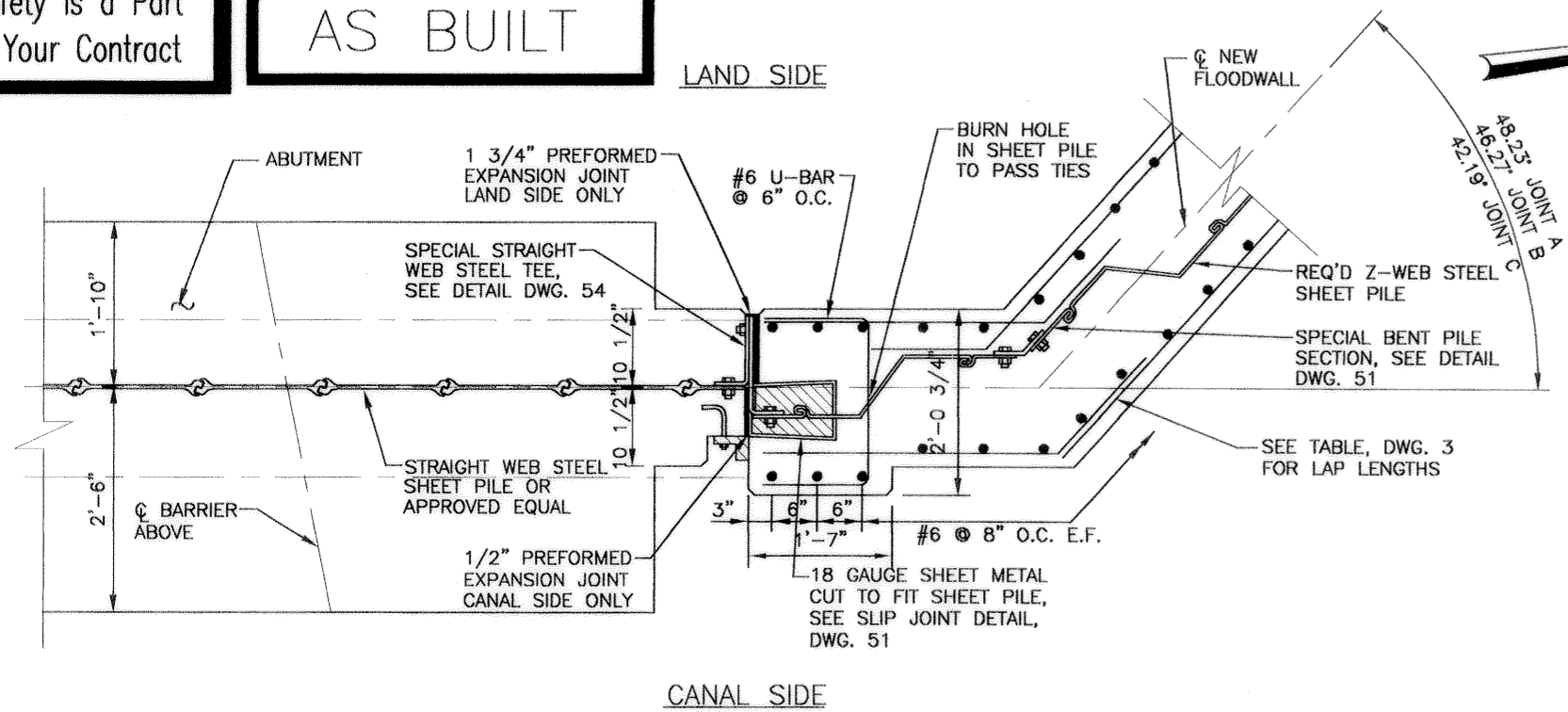
SCALE: 3/8" = 1'-0"

SYMBOL	DESCRIPTION	DATE	APPROVED
REVISIONS			
U.S. ARMY ENGINEER DISTRICT, NEW ORLEANS CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA			
BOARD OF LEVEE COMMISSIONERS ORLEANS LEVEE DISTRICT NEW ORLEANS, LOUISIANA		LINFIELD, HUNTER & JUNIUS, INC. CONSULTING ENGINEERS AND ARCHITECTS 3500 North Canaway Blvd. Suite 200 Metairie, Louisiana 70002	
LAKE PONCHARTRAIN, LA. AND VICINITY HIGH LEVEL PLAN LONDON AVE. OUTFALL CANAL, PARALLEL PROTECTION FLOODPROOFING OF LEON C. SIMON BLVD. BRIDGE ORLEANS PARISH, LOUISIANA			
FLOODWALL KEY PLAN			
DESIGNED BY: REN	DATE: FEB. 1998	PLOT SCALE: 16	PLOT DATE: 2/20/95
DRAWN BY: CMB	CADD FILE: 447328JK.DGN	FILE NO. H-4-44955	
CHECKED BY: AFG	SOLICITATION NO. DACW29-98-B-0065	DWG. 49 OF 68	
SUBMITTED BY: A. GOODSON DESIGN ENGINEER			



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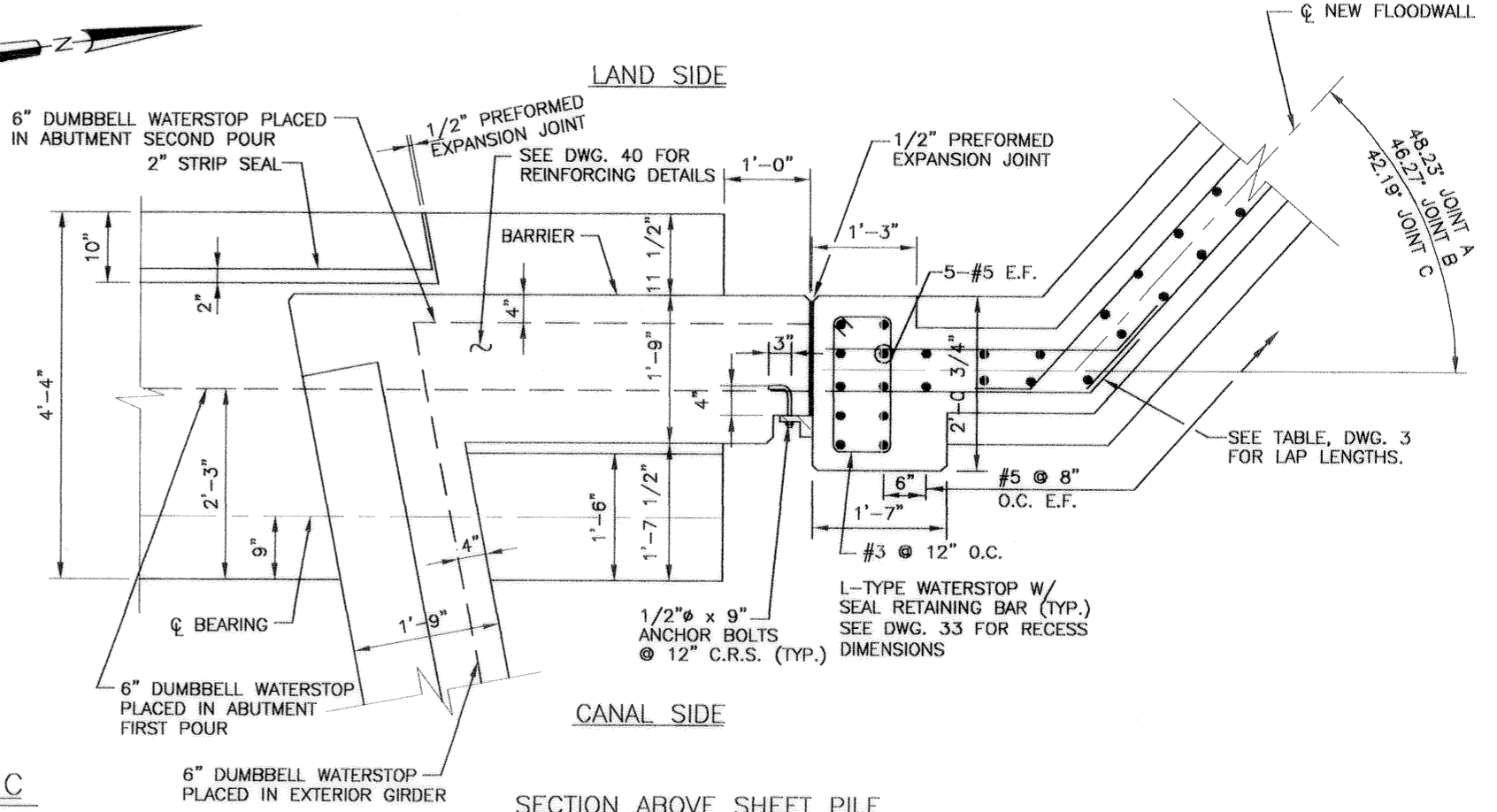
AS BUILT



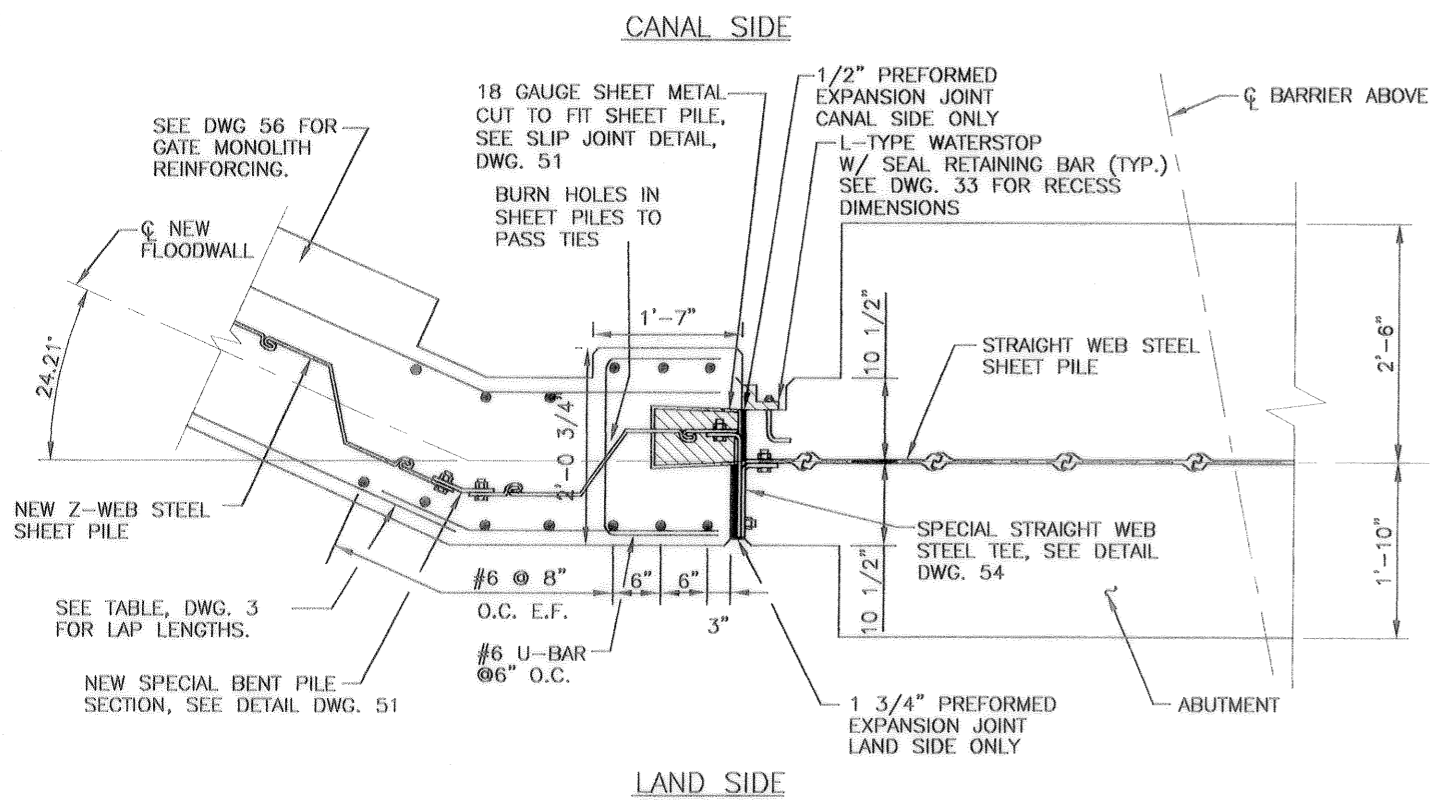
SECTION THROUGH SHEET PILE

DETAIL - JOINT A, B, & C

(DETAIL A SHOWN,
DETAIL B & C SIMILAR & OPP. HAND)
SCALE: 1"=1'-0"



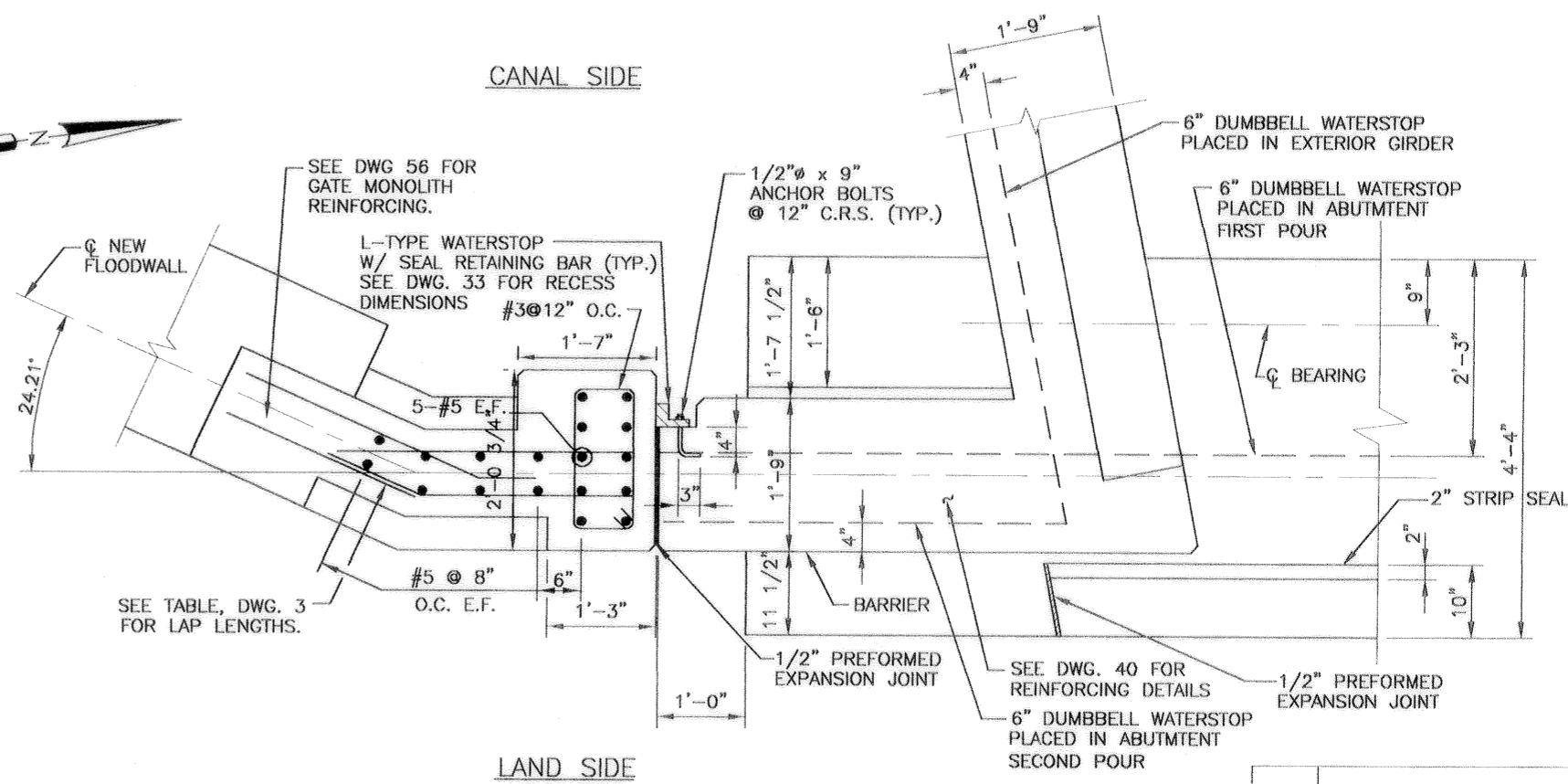
SECTION ABOVE SHEET PILE



SECTION THROUGH SHEET PILE

DETAIL - JOINT D

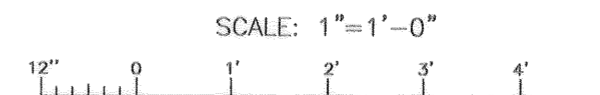
SCALE: 1"=1'-0"



SECTION ABOVE SHEET PILE

NOTES:

- FOR GENERAL NOTES, SEE DWGS. 2 & 3.
- HOLES CUT IN STEEL SHEET PILING FOR PASSING REINFORCING BARS SHALL NOT EXCEED 2"Ø. WHERE HOLES FALL WITHIN THE WEB OF THE STEEL SHEET PILE, THE HOLE SHALL BE SLOTTED 4" HORIZONTALLY TO ACCOMMODATE PASSING THE REINFORCING BARS.



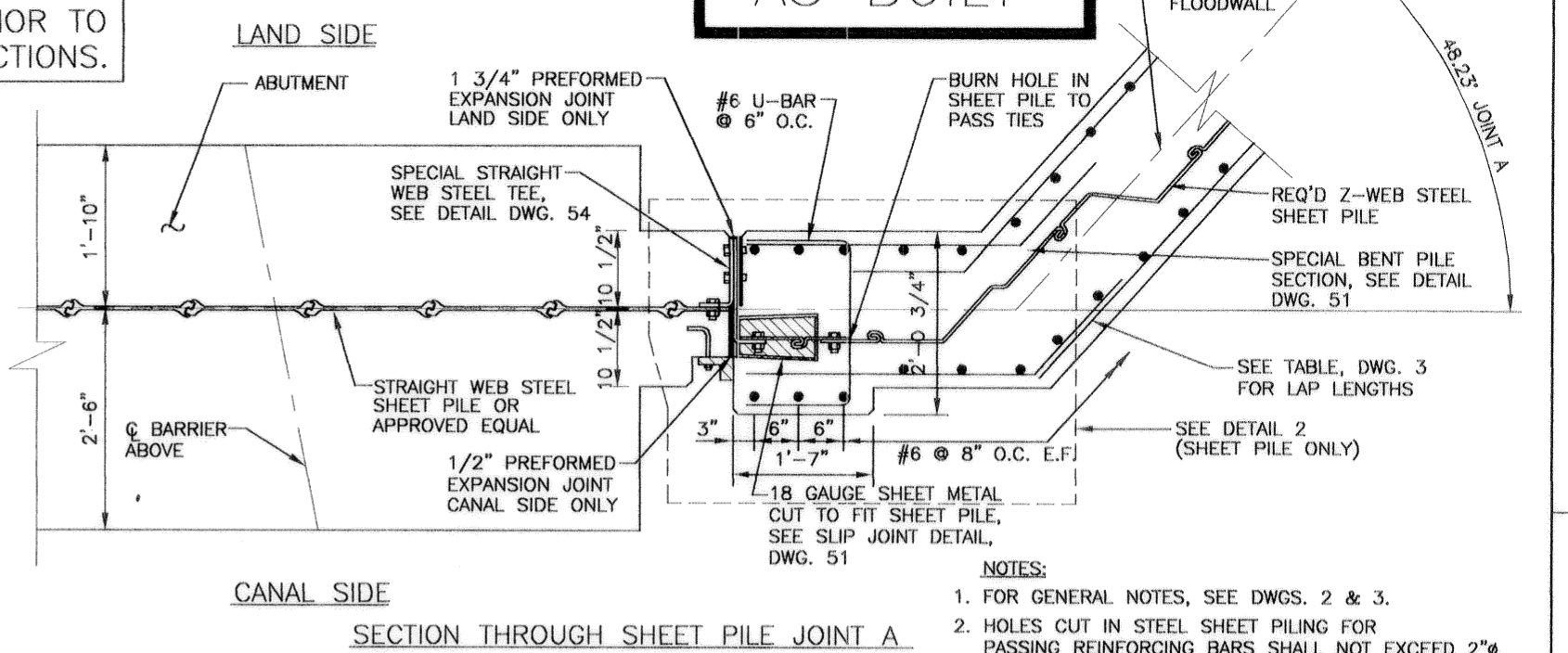
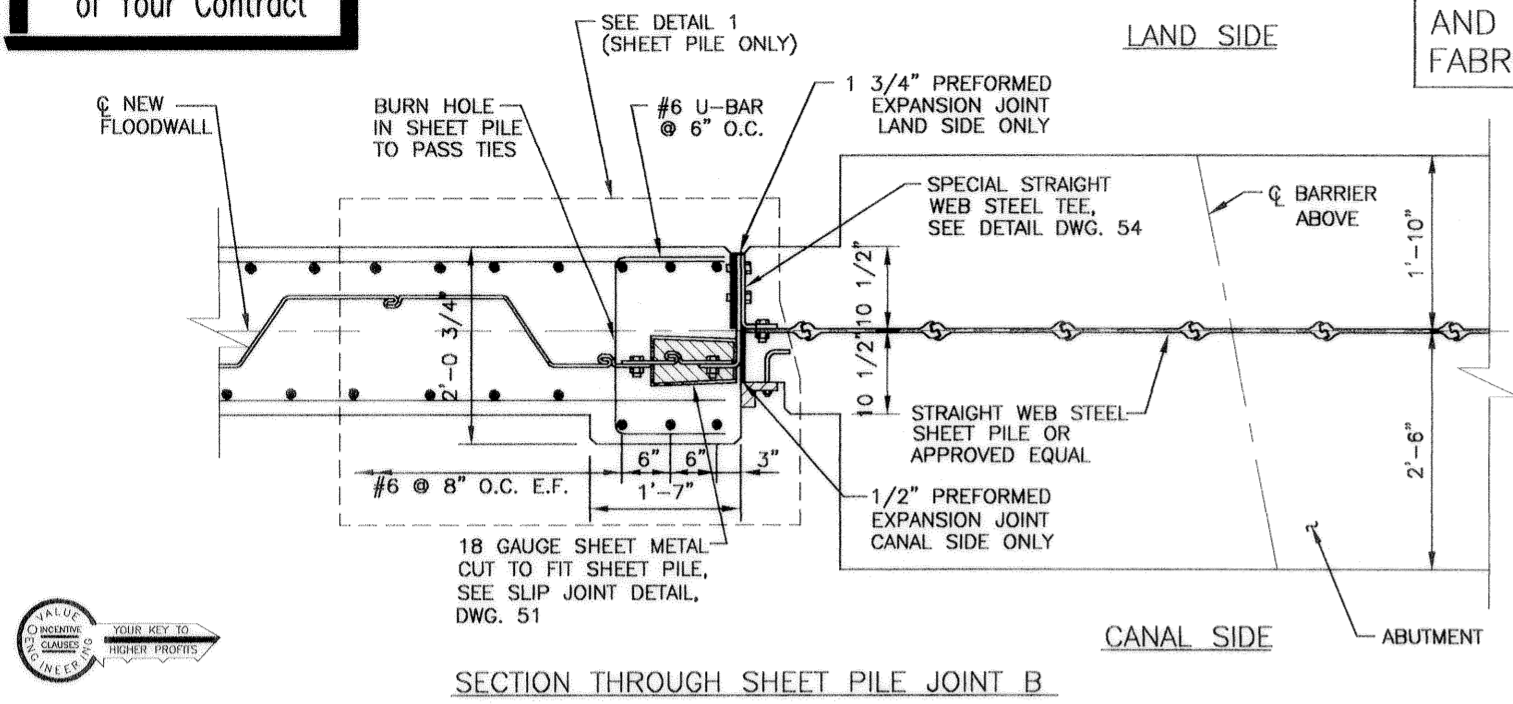
SYMBOL	DESCRIPTION	DATE	APPROVED
REVISIONS			
U.S. ARMY ENGINEER DISTRICT, NEW ORLEANS CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA			
BOARD OF LEVEE COMMISSIONERS ORLEANS LEVEE DISTRICT NEW ORLEANS, LOUISIANA		LINFIELD, HUNTER & JUNIUS, INC. CONSULTING ENGINEERS AND ARCHITECTS 3500 North Causeway Blvd., Suite 200 Metairie, Louisiana 70002	
LAKE PONTCHARTRAIN, LA. AND VICINITY HIGH LEVEL PLAN LONDON AVE. OUTFALL CANAL, PARALLEL PROTECTION FLOODPROOFING OF LEON C. SIMON BLVD. BRIDGE ORLEANS PARISH, LOUISIANA			
FLOODWALL DETAILS - 1			
DESIGNED BY: REN	DATE: FEB. 1998	PLOT SCALE: 12	PLOT DATE: 2/20/98
DRAWN BY: MKA			
CHECKED BY: AFG			
SUBMITTED BY:	CADD FILE: 447328LJL.DGN		FILE NO. H-4-44955
A. OGDODIN DESIGN ENGINEER	DACW29-98-B-0065		DWG. 50 OF 68



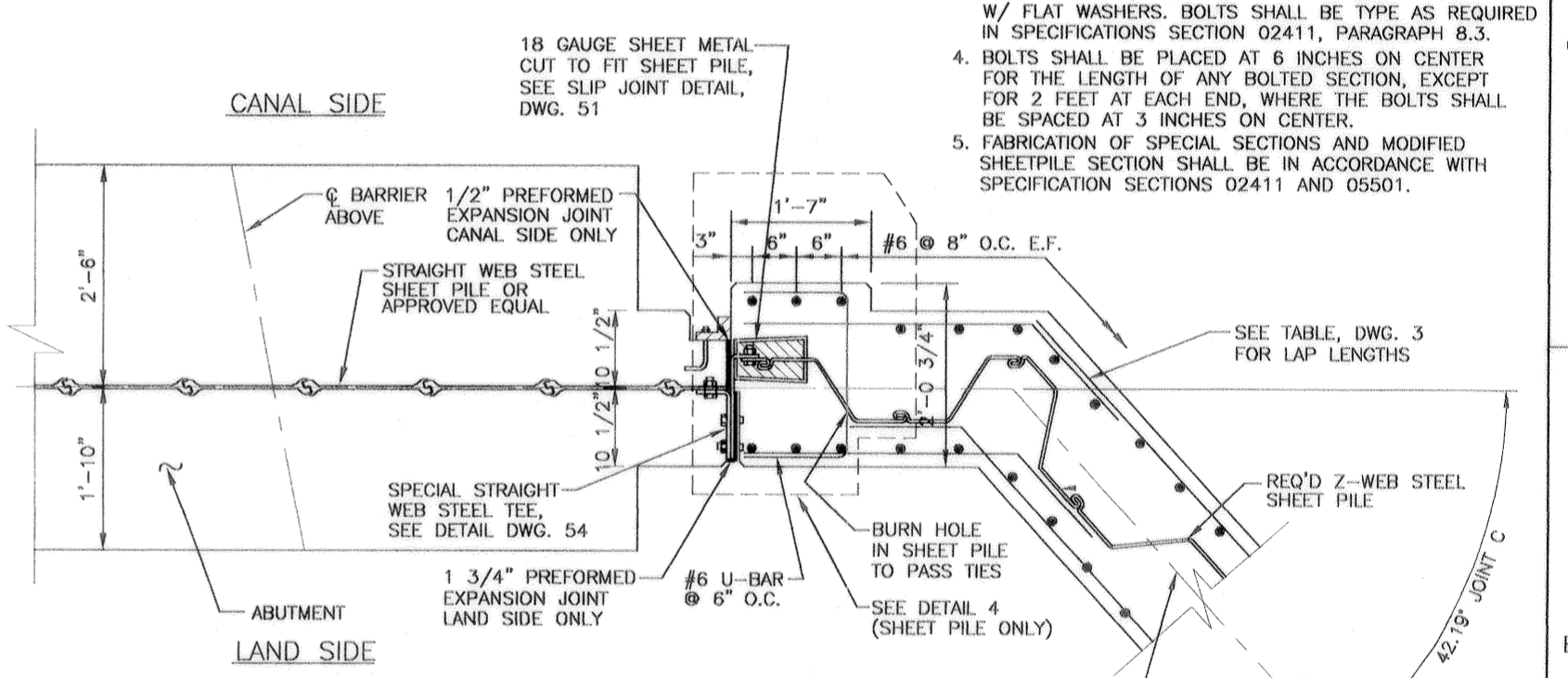
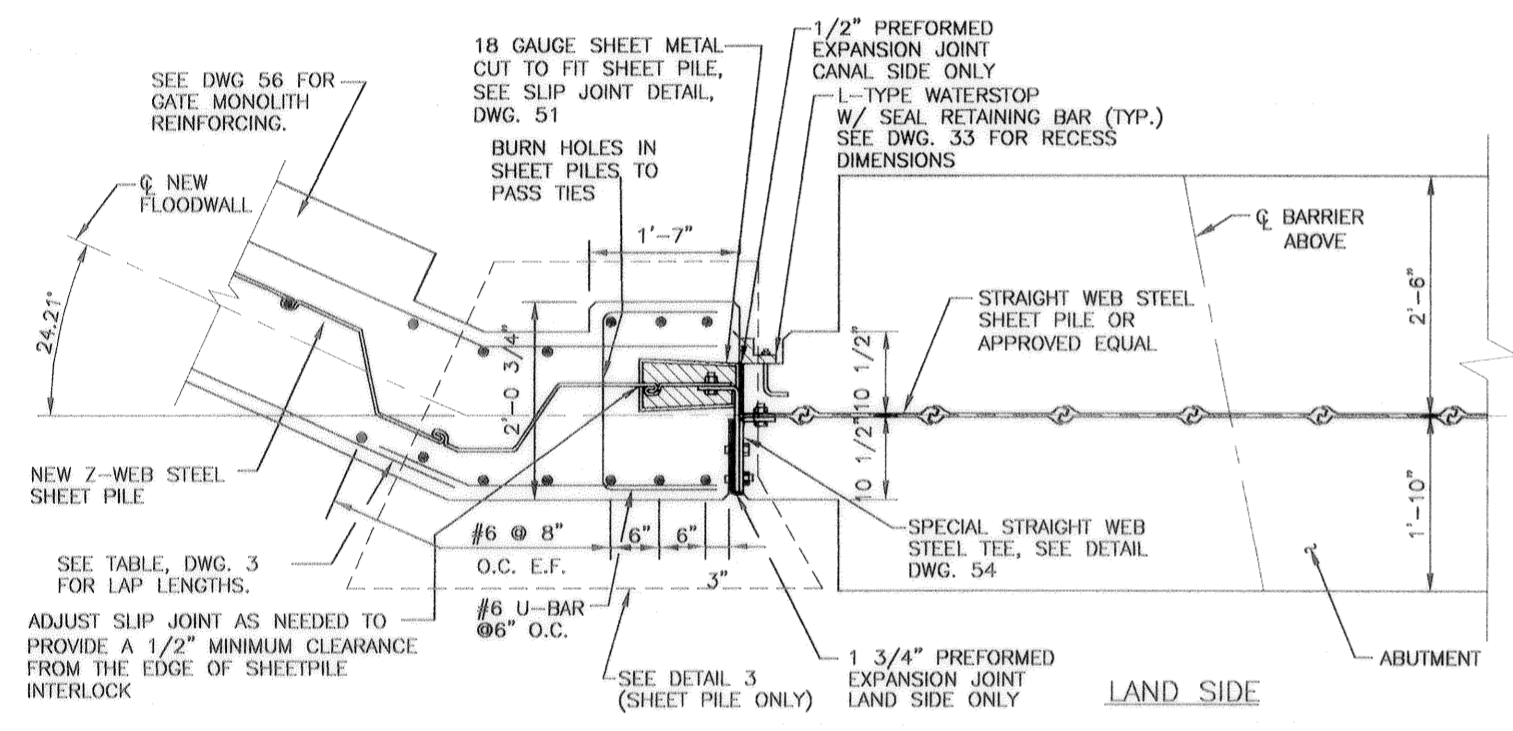
**Safety is a Part
of Your Contract**

NOTE:
FIELD VERIFY ALL LENGTHS, ANGLES
AND SPECIAL T-SECTIONS PRIOR TO
FABRICATION OF MODIFIED SECTIONS.

AS BUILT

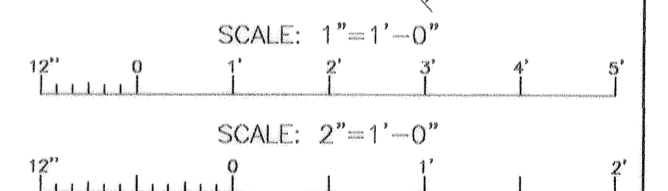
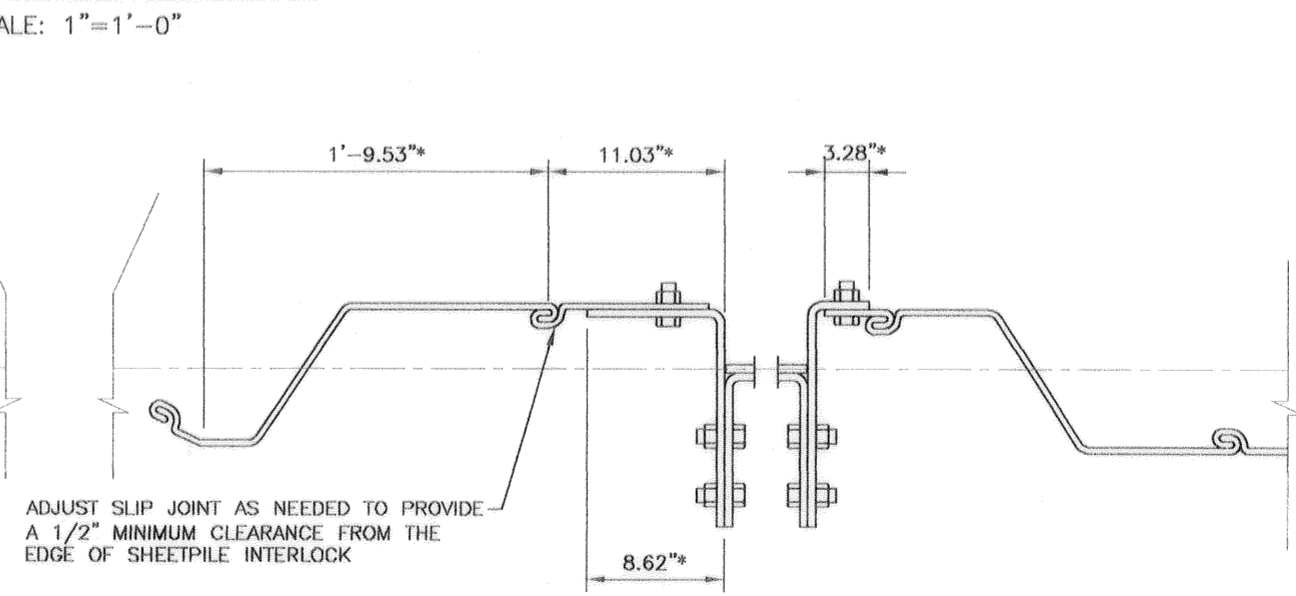
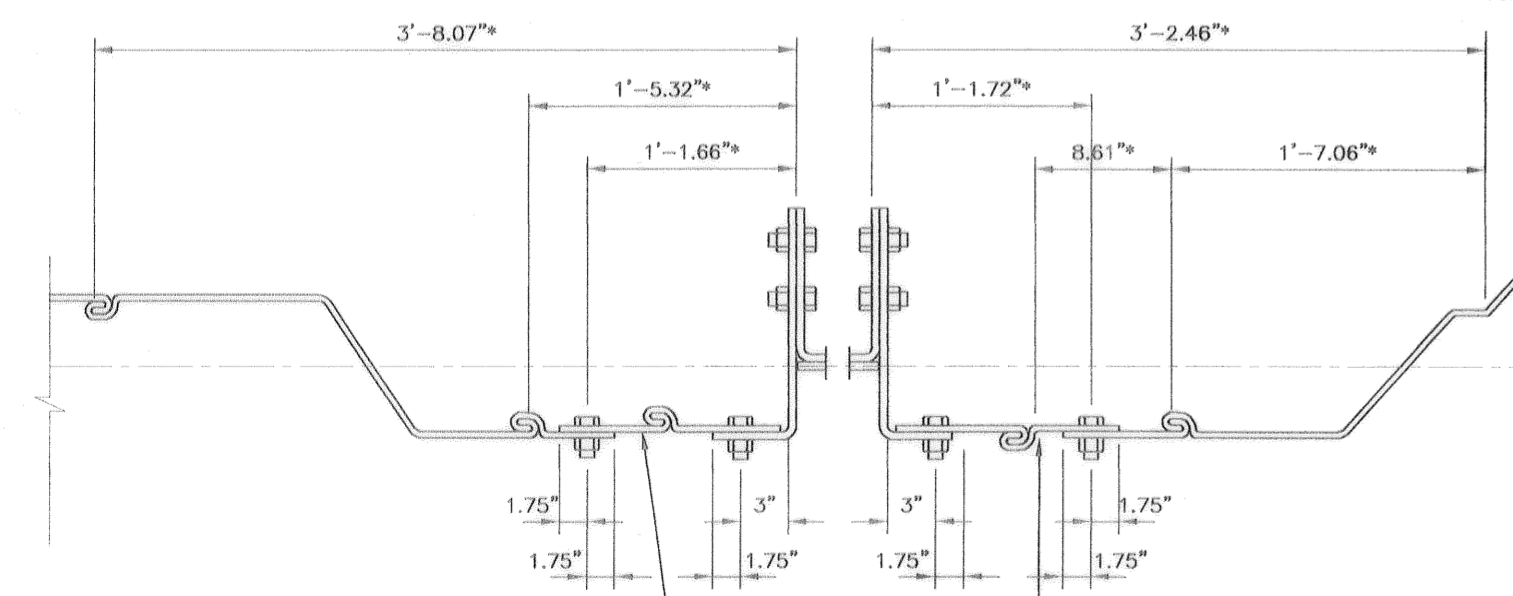


DETAIL - JOINT B & A
SCALE: 1"=1'-0"



DETAIL - JOINT D & C
SCALE: 1"=1'-0"

- NOTES:**
- FOR GENERAL NOTES, SEE DWGS. 2 & 3.
 - Holes cut in steel sheet piling for passing reinforcing bars shall not exceed 2"Ø. Where holes fall within the web of the steel sheet pile, the hole shall be slotted 4" horizontally to accommodate passing the reinforcing bars.
 - Bolts shall be 7/8" dia. high strength bolts w/ flat washers. Bolts shall be type as required in specifications section 02411, paragraph 8.3.
 - Bolts shall be placed at 6 inches on center for the length of any bolted section, except for 2 feet at each end, where the bolts shall be spaced at 3 inches on center.
 - Fabrication of special sections and modified sheetpile section shall be in accordance with specification sections 02411 and 05501.



DETAIL 1 - JOINT B
SCALE: 2"=1'-0"

DETAIL 2 - JOINT A
SCALE: 2"=1'-0"

+DETAIL 3 - JOINT D
SCALE: 2"=1'-0"

+DETAIL 4 - JOINT C
SCALE: 2"=1'-0"

ADJUST SLIP JOINT AS NEEDED TO PROVIDE A 1/2" MINIMUM CLEARANCE FROM THE EDGE OF SHEETPILE INTERLOCK

ADJUST SLIP JOINT AS NEEDED TO PROVIDE A 1/2" MINIMUM CLEARANCE FROM THE EDGE OF SHEETPILE INTERLOCK

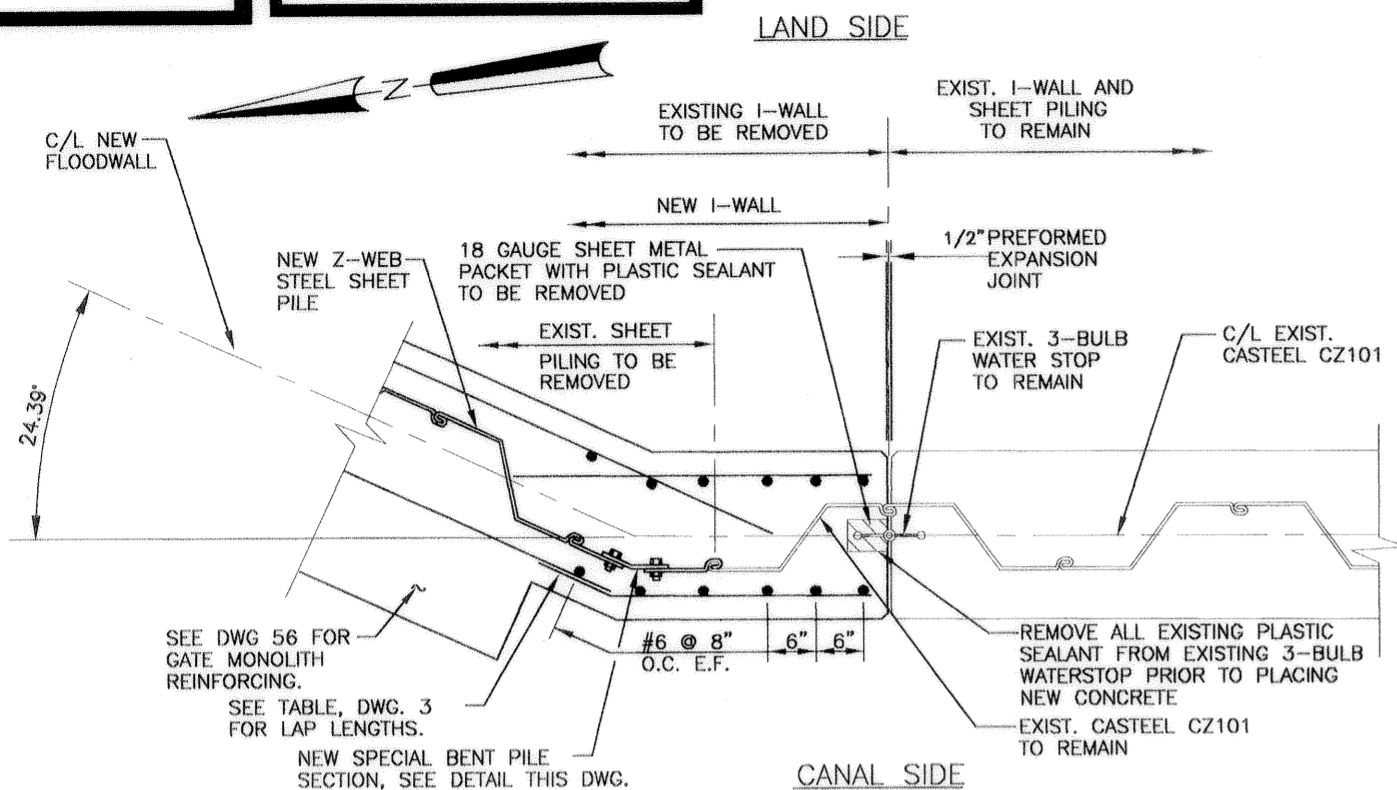
* - DISTANCES FROM SHEETPILE SUBMITTAL + - IN PLACE AS OF 17 NOV. 99

SYMBOL	DESCRIPTION	DATE	APPROVED
REVISIONS			
U.S. ARMY ENGINEER DISTRICT, NEW ORLEANS CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA			
<small>BOARD OF LEVEE COMMISSIONERS ORLEANS LEVEE DISTRICT NEW ORLEANS, LOUISIANA</small>		<small>LINFIELD, HUNTER & JUNTUS, INC. CONSULTING ENGINEERS AND ARCHITECTS 3900 North Causeway Blvd. Suite 200 Metairie, Louisiana 70002</small>	
LAKE PONCHARTRAIN, LA. AND VICINITY HIGH LEVEL PLAN LONDON AVE. OUTFALL CANAL, PARALLEL PROTECTION FLOODPROOFING OF LEON C. SIMON BLVD. BRIDGE ORLEANS PARISH, LOUISIANA			
FLOODWALL DETAILS - 1A			
DESIGNED BY: REN	DATE: FEB. 1998	PLOT SCALE: 12	PLOT DATE: 2/20/98
DRAWN BY: MKA	CADD FILE: 44732BK.DGN	FILE NO. H-4-44955	
CHECKED BY: AFG	SUBMITTED BY: A. GOODSON	SOLICITATION NO. DACW29-98-B-0065	DWG. 50 A OF 68

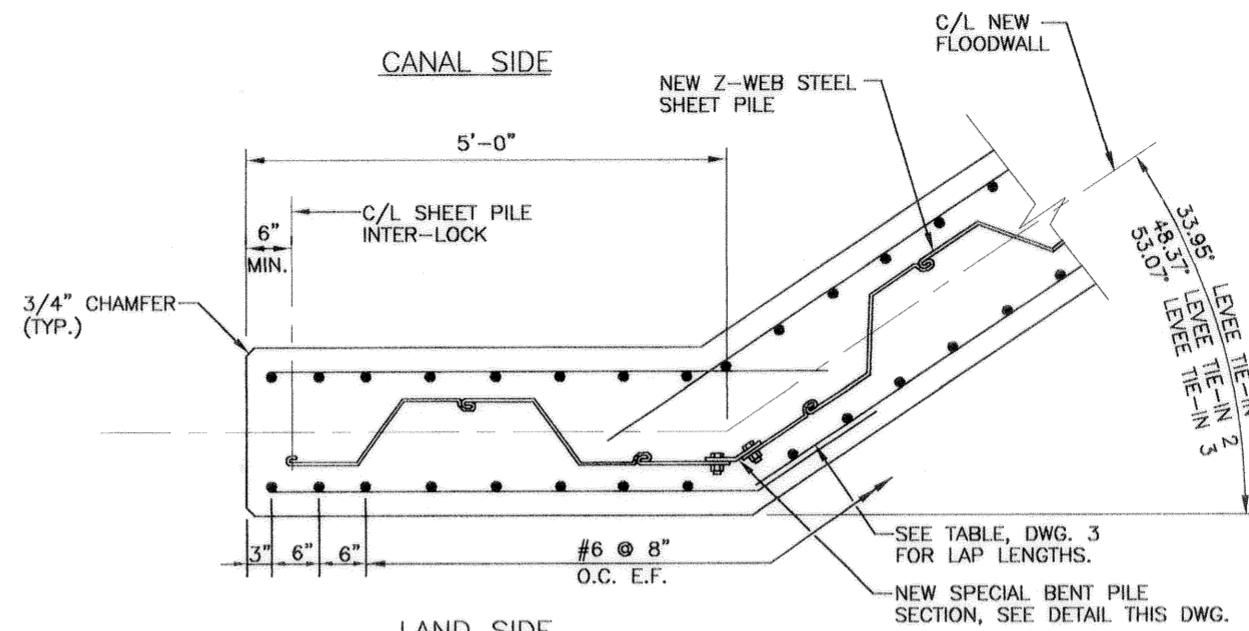


Safety is a Part of Your Contract

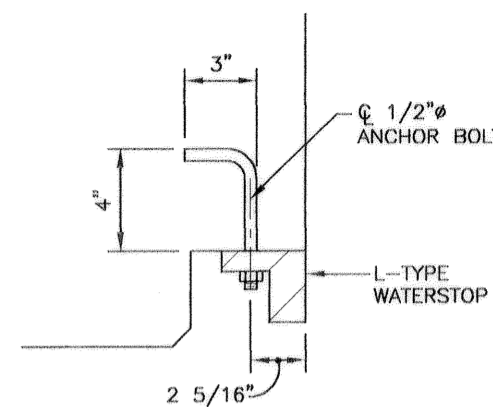
AS BUILT



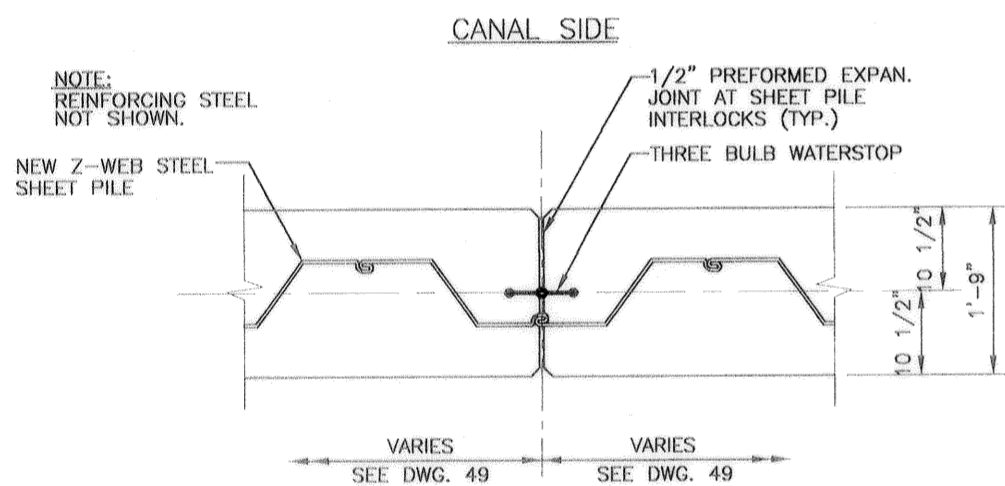
DETAIL- JOINT E
SCALE: 1"=1'-0"



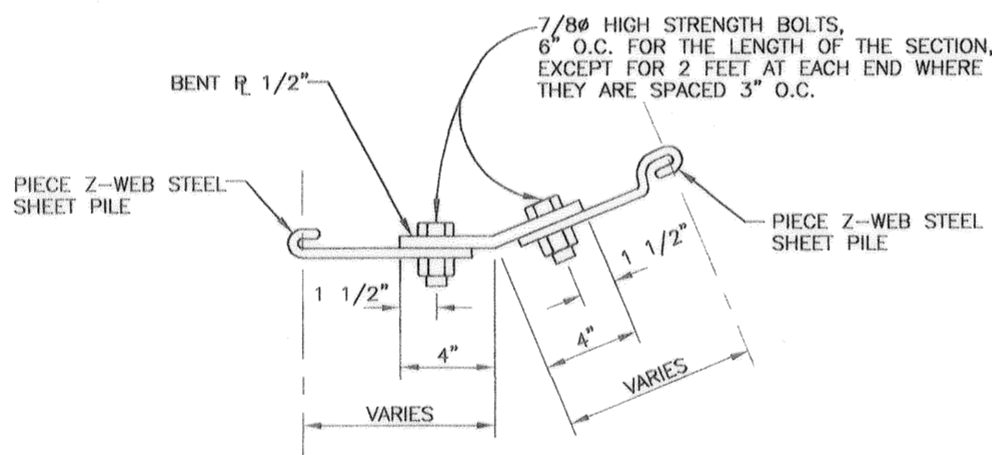
LEVEE TIE-IN 1, 2, & 3
(LEVEE TIE-IN 1 SHOWN, LEVEE TIE-IN 2 & 3 SIMILAR & OPP. HAND)
SCALE: 1"=1'-0"



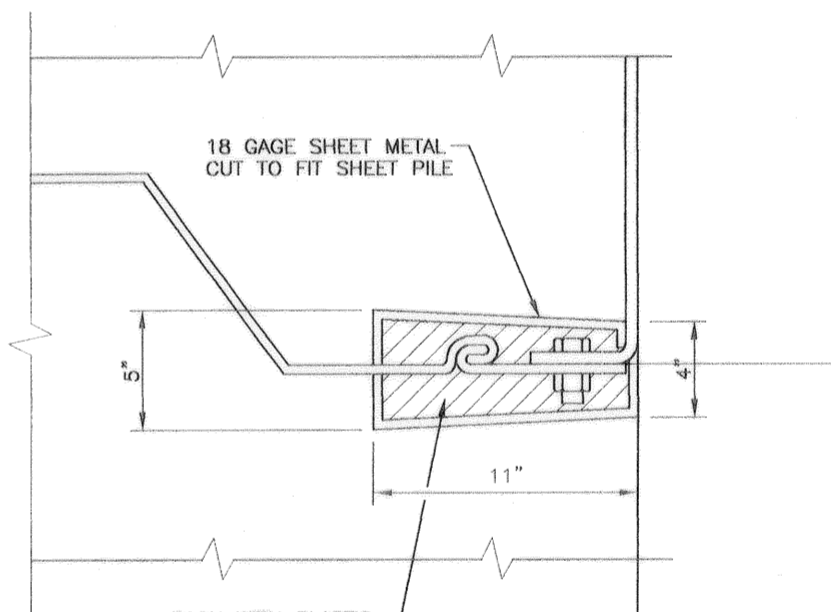
TYPICAL L-TYPE WATERSTOP ANCHOR BOLT DETAIL
SCALE: 3"=1'-0"



TYPICAL SHEET PILING AT MONOLITH EXPANSION JOINTS
SCALE: 1"=1'-0"

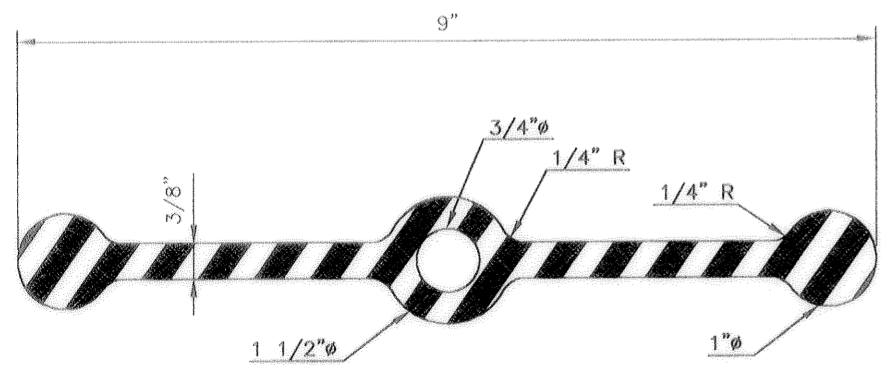
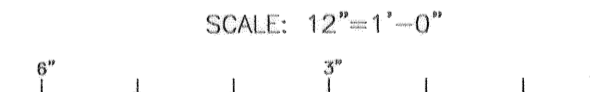
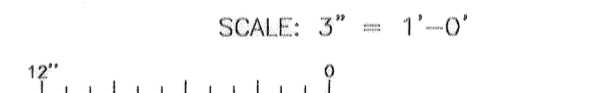
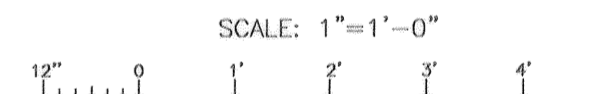


SPECIAL BENT PILE SECTION
SCALE: 3"=1'-0"



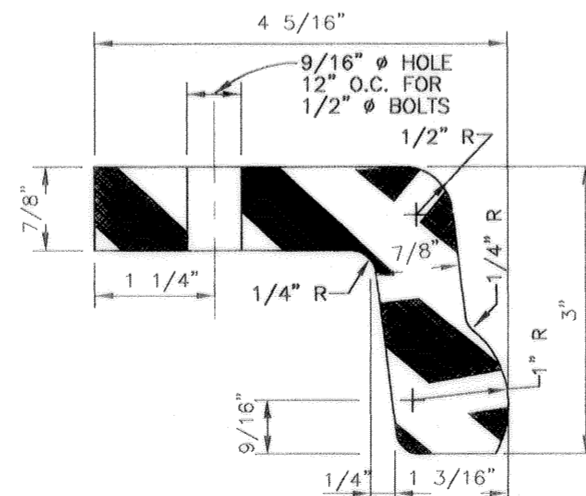
SLIP JOINT DETAIL
SCALE: 3"=1'-0"

- NOTES:
- FOR GENERAL NOTES, SEE DWGS. 2 AND 3.
 - HOLES CUT IN STEEL SHEET PILING FOR PASSING REINFORCING BARS SHALL NOT EXCEED 2" Ø. WHERE HOLES FALL WITHIN THE WEB OF THE STEEL SHEET PILE, THE HOLE SHALL BE SLOTTED 4" HORIZONTALLY TO ACCOMMODATE PASSING THE REINFORCING BARS.

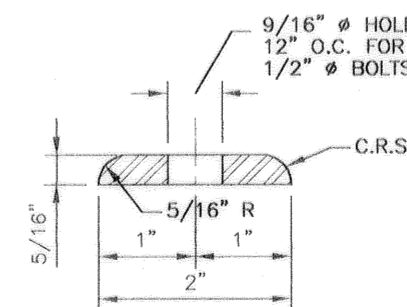


THREE BULB WATERSTOP
SCALE: 12"=1'-0"

FOR MATERIALS, SEE SPECIFICATIONS.



"L" TYPE WATERSTOP
SCALE: 12"=1'-0"



SEAL RETAINING BAR
SCALE: 12"=1'-0"

SYMBOL	DESCRIPTION	DATE	APPROVED
REVISIONS			

U.S. ARMY ENGINEER DISTRICT, NEW ORLEANS
CORPS OF ENGINEERS
NEW ORLEANS, LOUISIANA

BOARD OF LEVEE COMMISSIONERS
ORLEANS LEVEE DISTRICT
NEW ORLEANS, LOUISIANA

LINFIELD, HUNTER & JUNIUS, INC.
CONSULTING ENGINEERS AND ARCHITECTS
3500 North Causeway Blvd. Suite 200
Metairie, Louisiana 70002

LAKE PONCHARTRAIN, LA. AND VICINITY
HIGH LEVEL PLAN
LONDON AVE. OUTFALL CANAL, PARALLEL PROTECTION
FLOODPROOFING OF
LEON C. SIMON BLVD. BRIDGE
ORLEANS PARISH, LOUISIANA

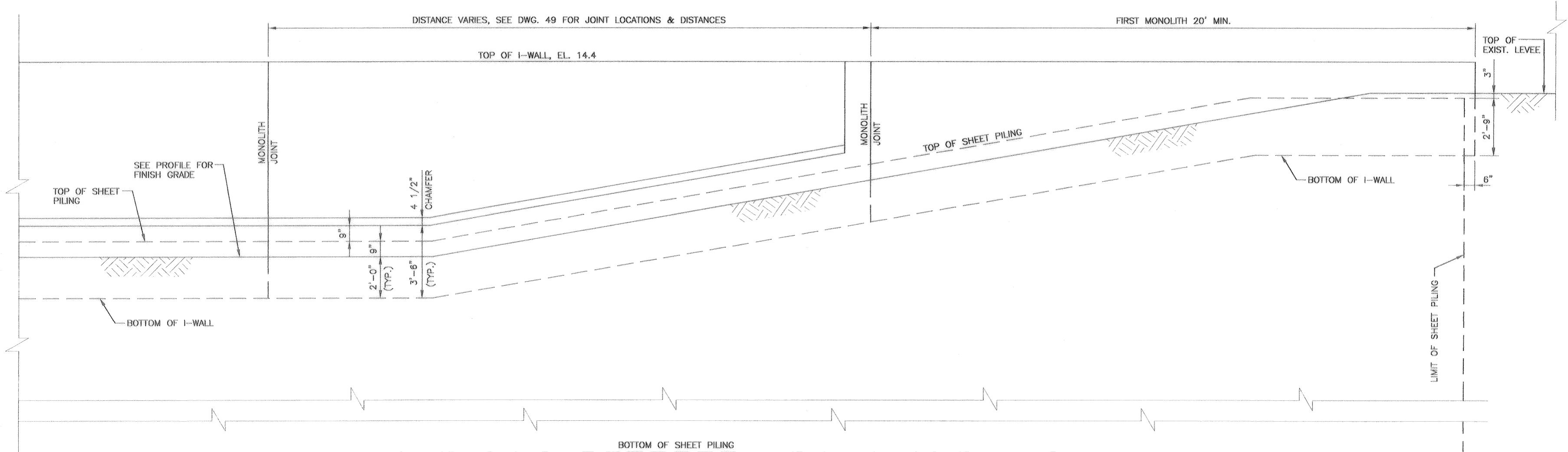
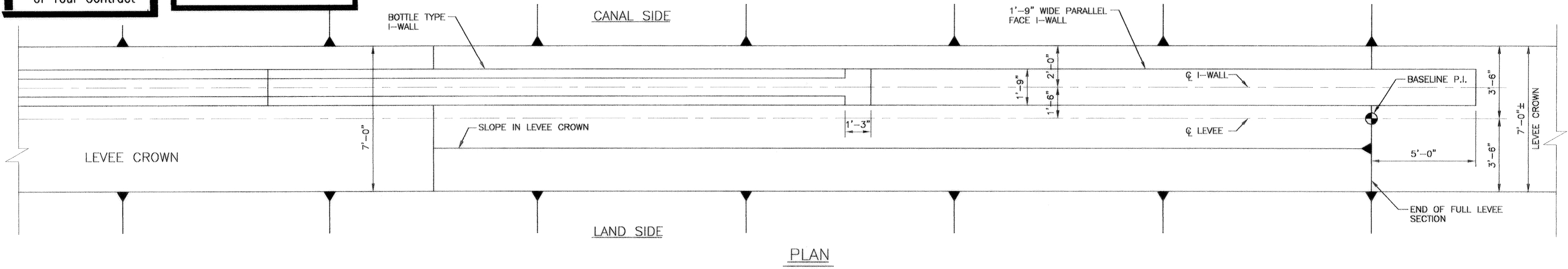
FLOODWALL DETAILS - 2

DESIGNED BY: REN	DATE: FEB. 1998	PLOT SCALE: 12	PLOT DATE: 2/20/98
DRAWN BY: MKA	CADD FILE: 44732BJK.DGN	FILE NO. H-4-44955	
CHECKED BY: AFC	SOLICITATION NO. DACW29-98-B-0065	DWG. 51 OF 68	
SUBMITTED BY: A. GOODWIN DESIGN ENGINEER			



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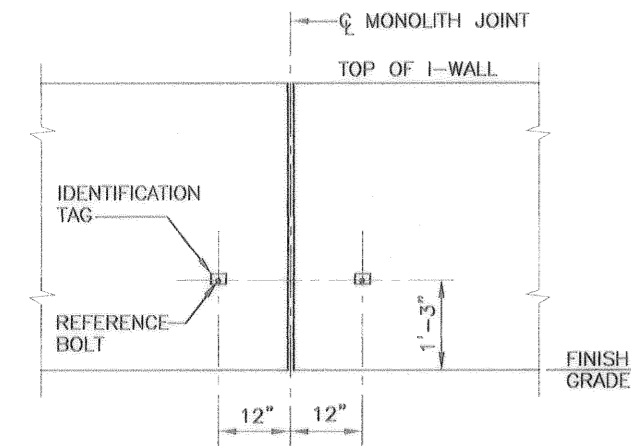
AS BUILT



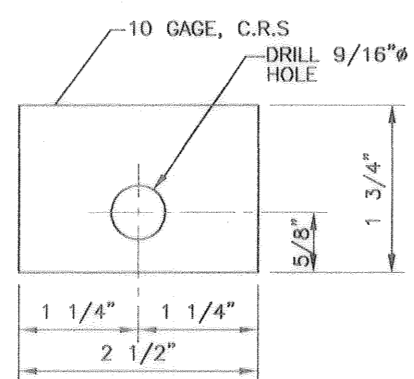
TYPICAL I-WALL TRANSITION AT LEVEE - LAND SIDE ELEVATION

NOT TO SCALE

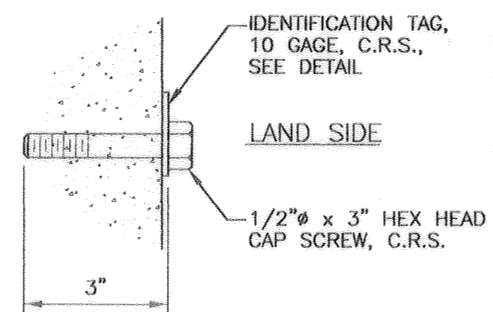
NOTE: ALL ELEVATIONS ARE 1964 EPOCH UNLESS OTHERWISE NOTED



TYPICAL ELEVATION OF SETTLEMENT REFERENCE MARKER
SCALE: 3/4"=1'-0"



IDENTIFICATION TAG
SCALE: 12"=1'-0"

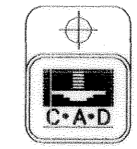
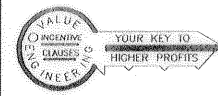


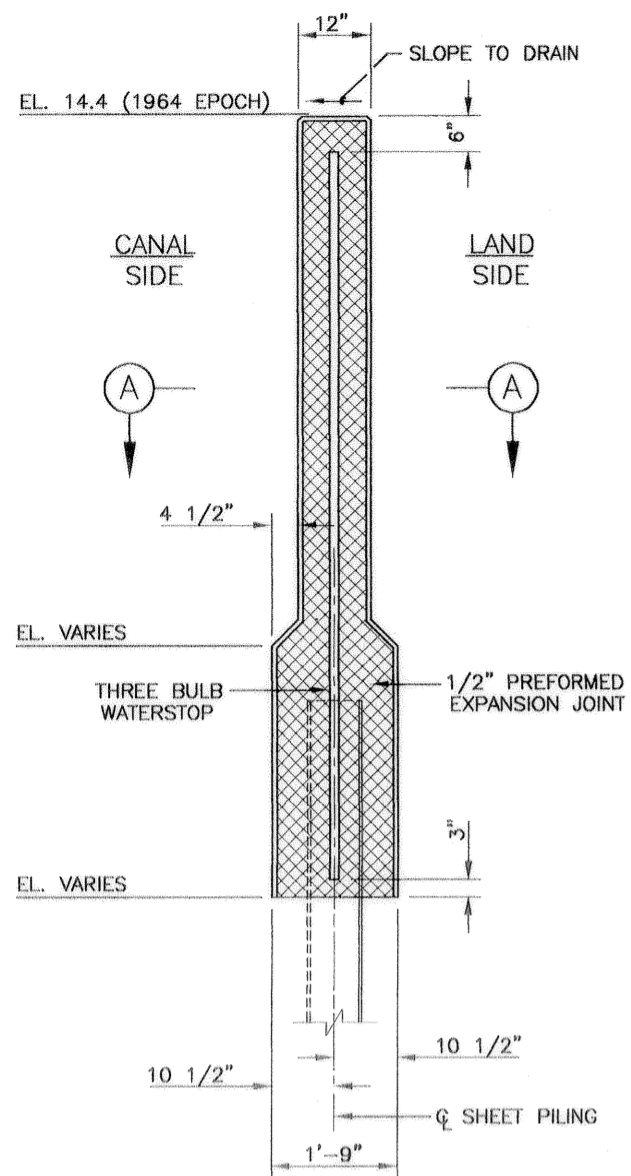
REFERENCE BOLT
SCALE: 6"=1'-0"

SETTLEMENT REFERENCE MARKER SCHEDULE							
S.R.M. NO.	W/L STATION * (@ ABUTMENT/MONOLITH JOINT)	ELEVATION **		S.R.M. NO.	W/L STATION * (@ ABUTMENT/MONOLITH JOINT)	ELEVATION **	
		N. BOLTS	S. BOLTS			N. BOLTS	S. BOLTS
1	5 + 67.00	7.925	7.927	4	6 + 63.55	7.409	7.417
2	6 + 38.91	7.490	7.489	5	7 + 53.42	7.546	7.542
3	6 + 49.48	5.874	5.870				

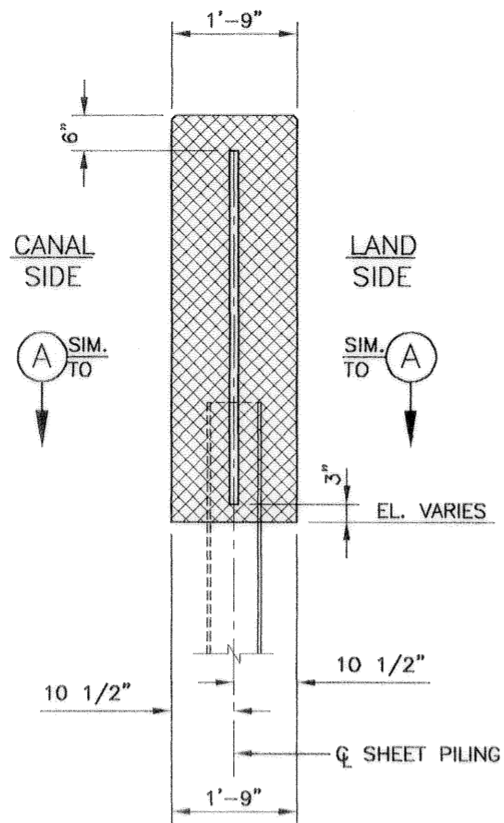
NOTES:
* W/L STATIONS ARE APPROXIMATE, LOCATE REFERENCE BOLTS AT NEAREST ABUTMENT/MONOLITH JOINT TO THOSE STATIONS SHOWN. WALL LINE STATIONING BEGINS AT STATION 0+00 AT COE MONUMENT 14 ON WEST SIDE AND COE MONUMENT 13 ON EAST SIDE.
** THE CONTRACTOR SHALL TAKE FINAL ELEVATIONS OF ALL SETTLEMENT REFERENCE MARKERS AND SHALL SUBMIT THIS DATA TO THE CONTRACTING OFFICER (CO). THE CO WILL FURNISH THIS DATA TO THE ENGINEERING DIVISION.

SYMBOL	DESCRIPTION	DATE	APPROVED
REVISIONS			
U.S. ARMY ENGINEER DISTRICT, NEW ORLEANS CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA			
<small>BOARD OF LEVEE COMMISSIONERS ORLEANS LEVEE DISTRICT NEW ORLEANS, LOUISIANA</small>		<small>LINFIELD, HUNTER & JUNIUS, INC. CONSULTING ENGINEERS AND ARCHITECTS 3500 North Causeway Blvd. Suite 200 Metairie, Louisiana 70002</small>	
LAKE PONCHARTRAIN, LA. AND VICINITY HIGH LEVEL PLAN LONDON AVE. OUTFALL CANAL, PARALLEL PROTECTION FLOODPROOFING OF LEON C. SIMON BLVD. BRIDGE ORLEANS PARISH, LOUISIANA			
FLOODWALL DETAILS - 3			
DESIGNED BY: REN	DATE: FEB. 1998	PLOT SCALE: 12	PLOT DATE: 2/20/98
DRAWN BY: WE	CADD FILE: 447328LX.DGN	FILE NO. H-4-44955	
CHECKED BY: AFG	SUBMITTED BY: A. GOODGION DESIGN ENGINEER	SOLICITATION NO. DACW29-98-B-0065	DWG. 52 OF 68

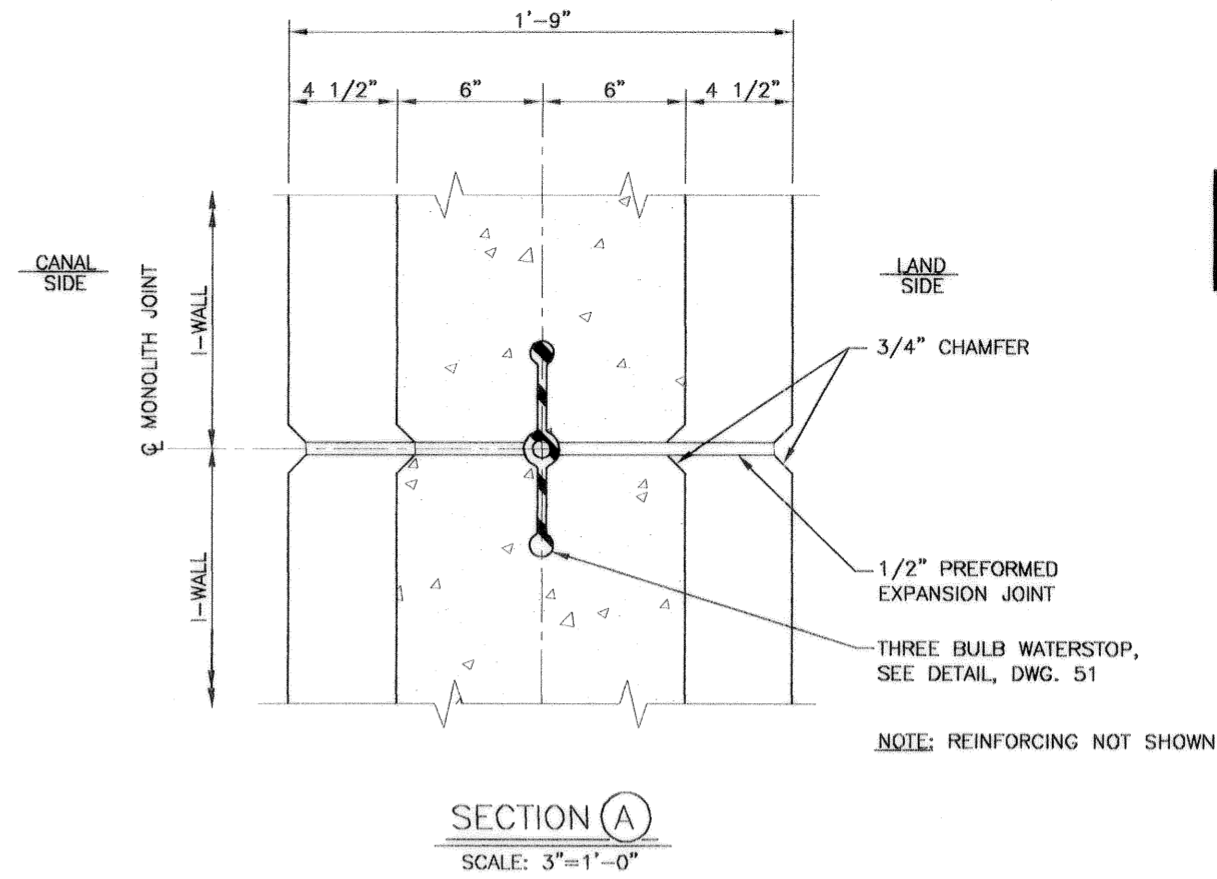




TYPICAL BOTTLE TYPE I-WALL JOINT
SCALE: 3/4"=1'-0"



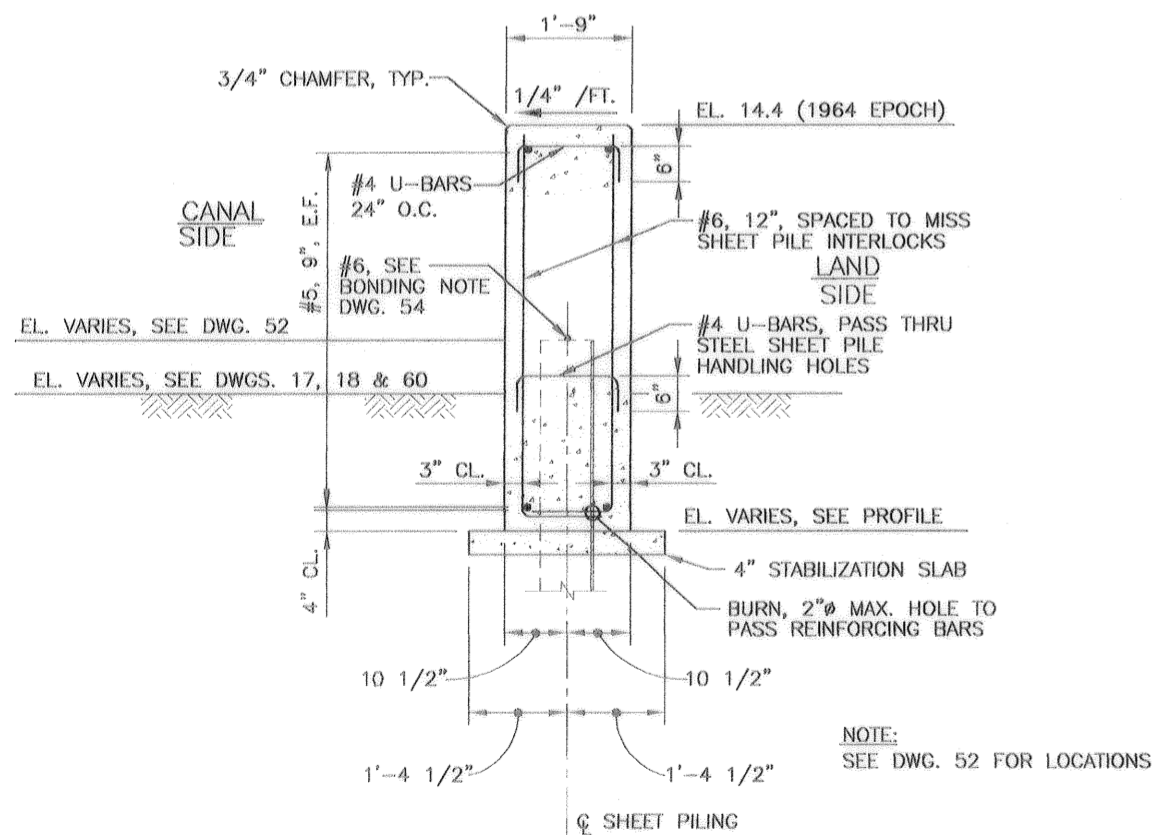
TYPICAL I-WALL JOINT
PARALLEL FACE
SCALE: 3/4"=1'-0"



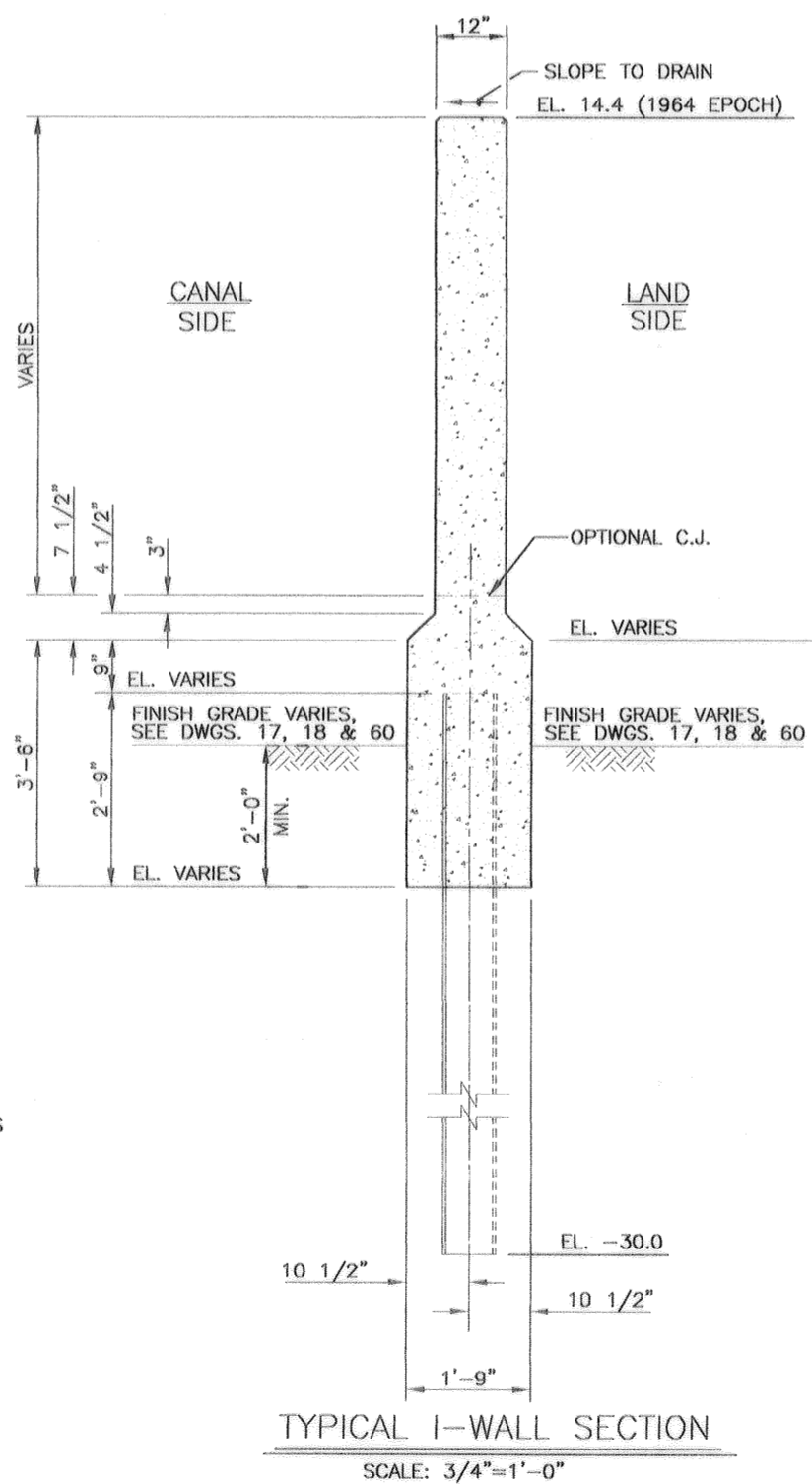
SECTION A
SCALE: 3"=1'-0"

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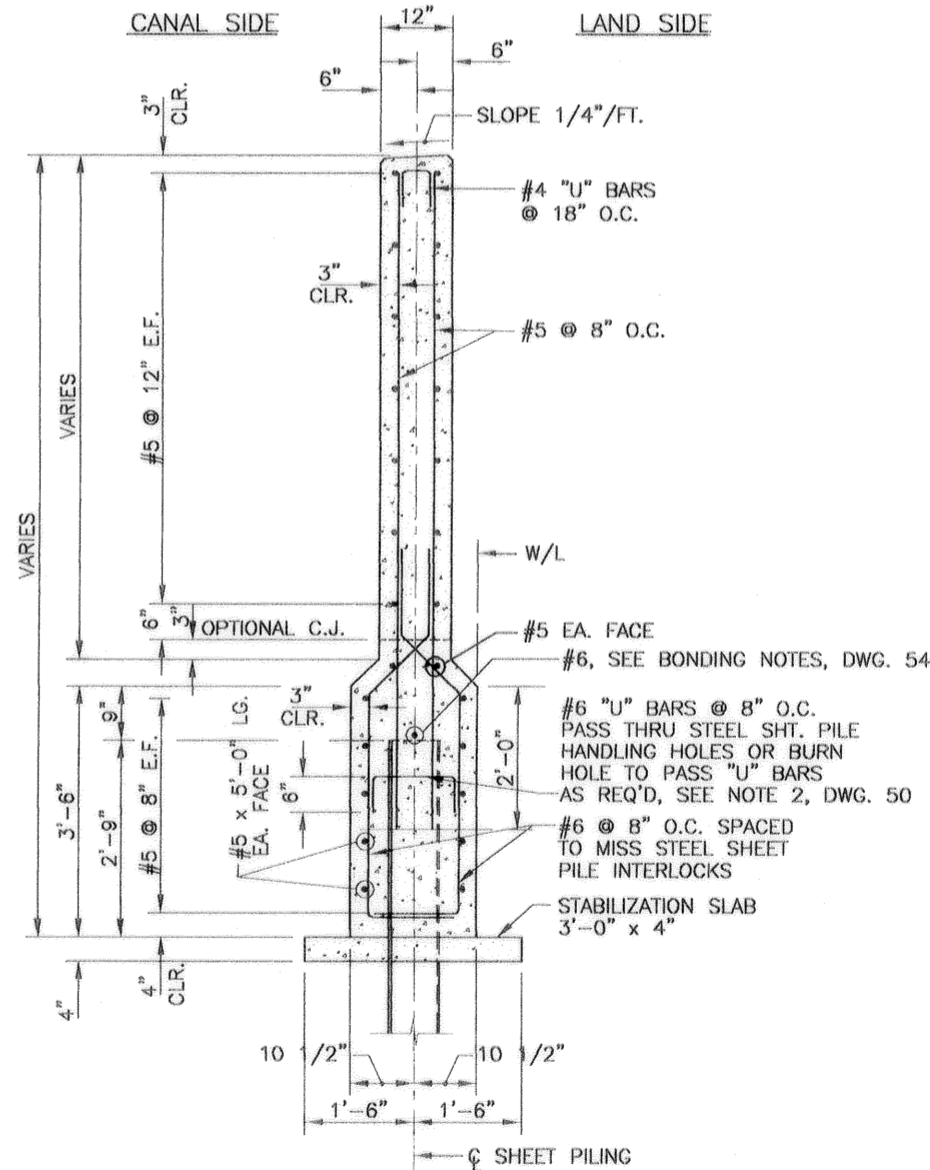
AS BUILT



TYPICAL RECTANGULAR I-WALL REINFORCING
SCALE: 3/4"=1'-0"



TYPICAL I-WALL SECTION
SCALE: 3/4"=1'-0"



TYPICAL I-WALL REINFORCING
SCALE: 3/4" = 1'-0"

- NOTES:
1. SEE DWGS. 2 AND 3 FOR GENERAL NOTES
2. SEE DWG. 49 FOR WALL LENGTHS

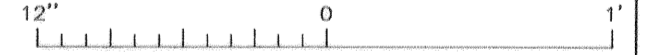
SCALE: 3/4"=1'-0"




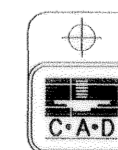
SCALE: 1"=1'-0"



SCALE: 3"=1'-0"

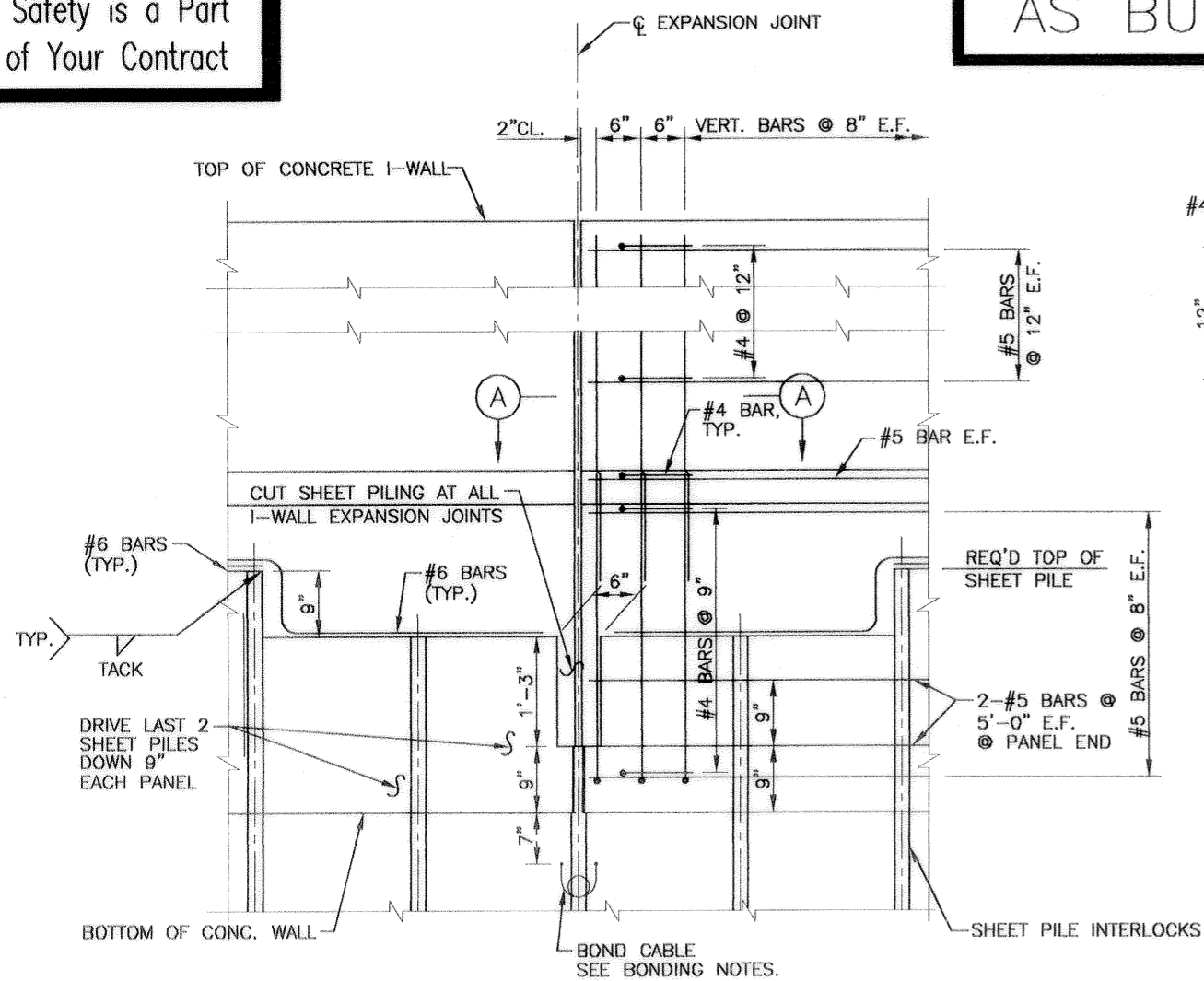


SYMBOL	DESCRIPTION	DATE	APPROVED
REVISIONS			
 U.S. ARMY ENGINEER DISTRICT, NEW ORLEANS CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA			
BOARD OF LEVEE COMMISSIONERS ORLEANS LEVEE DISTRICT NEW ORLEANS, LOUISIANA		LINFIELD, HUNTER & JUNIUS, INC. CONSULTING ENGINEERS AND ARCHITECTS 3500 North Causeway Blvd, Suite 200 Metairie, Louisiana 70002	
LAKE PONCHARTRAIN, LA. AND VICINITY HIGH LEVEL PLAN LONDON AVE. OUTFALL CANAL, PARALLEL PROTECTION FLOODPROOFING OF LEON C. SIMON BLVD. BRIDGE ORLEANS PARISH, LOUISIANA			
FLOODWALL DETAILS - 4			
DESIGNED BY: REN	DATE: FEB. 1998	PLOT SCALE: 48	PLOT DATE: 2/20/98
DRAWN BY: WE	CHECKED BY: AFG	CADD FILE: 44732BK.DGN	FILE NO. H-4-44955
SUBMITTED BY: A. GOODSON DESIGN ENGINEER	SOLICITATION NO. DACW29-98-B-0065	DWG. 53 OF 68	



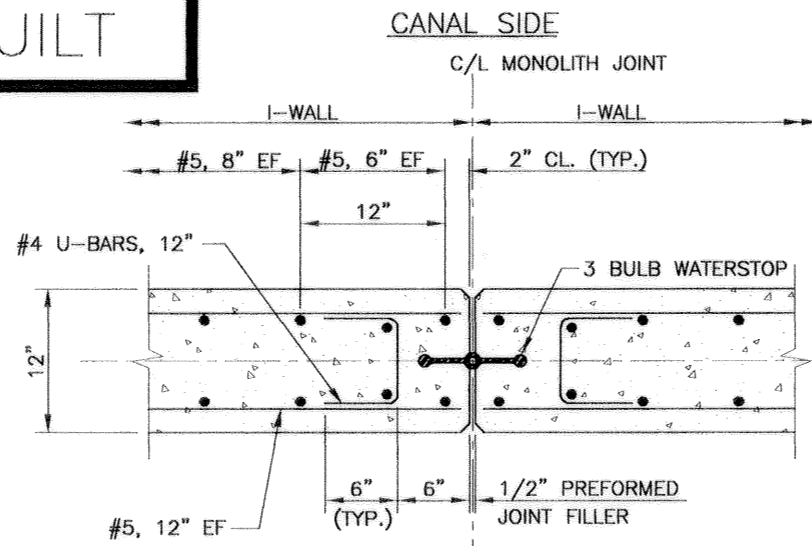
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SHEET PILING AND REINFORCING DETAILS AT JOINTS

SCALE: 1"=1'-0"

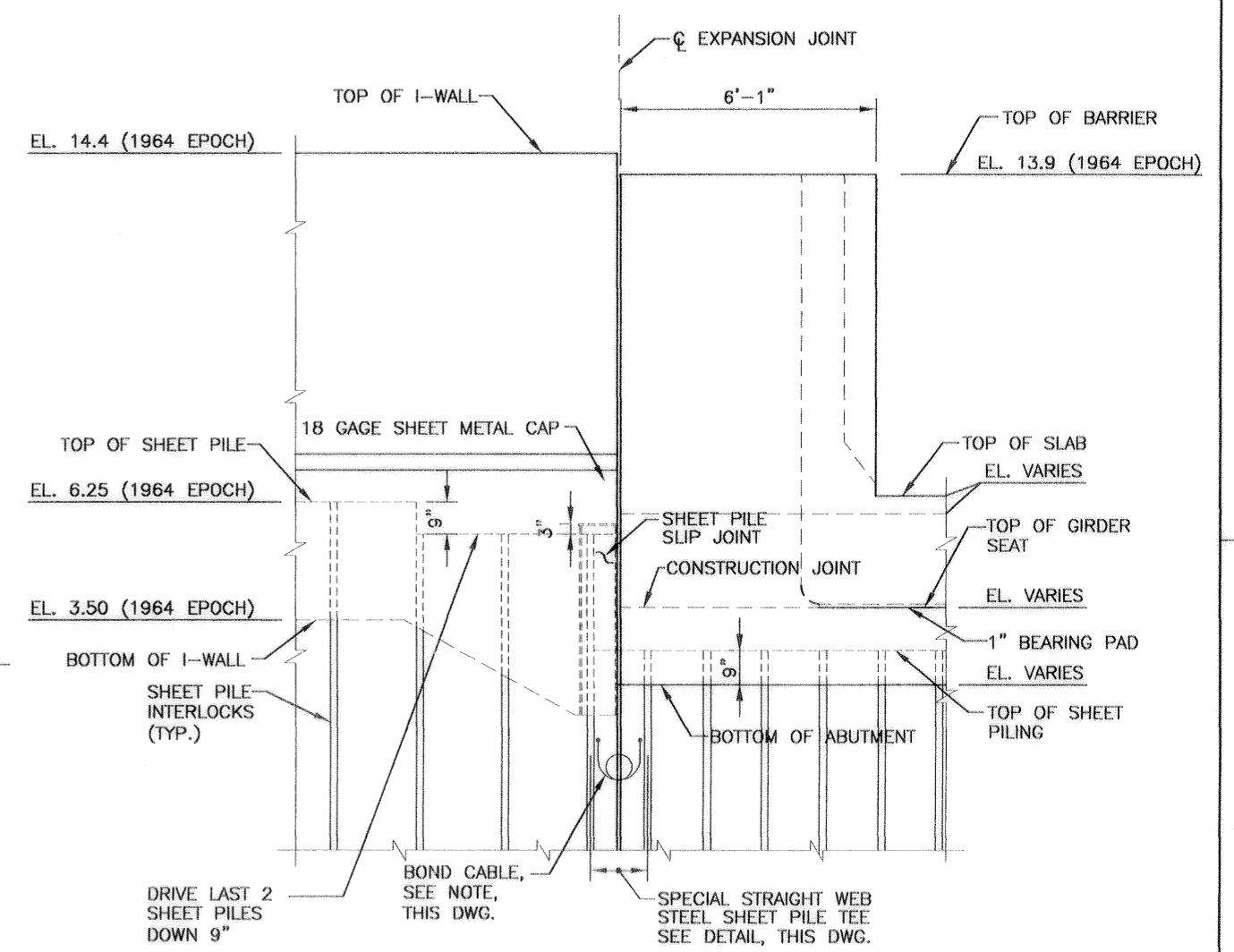


TYPICAL REINFORCEMENT AT MONOLITH JOINTS

SCALE: 1 1/2" = 1'-0"

BONDING NOTES:

#6 REINFORCING BAR TO BE WELDED TO THE TOP OF EACH STEEL SHEET PILE. #6 REINFORCING BAR SHALL NOT EXTEND ACROSS THE EXPANSION JOINT. INSTALL BOND CABLE AT ALL EXPANSION JOINTS. BOND CABLES SHALL HAVE A 8" DIAMETER LOOP TO ALLOW FOR STRESSES. BOND CABLES SHALL BE WELDED AS SPECIFIED TO ADJACENT STEEL PILES 7" BELOW BOTTOM OF CONCRETE CAP. WELDED CONNECTIONS SHALL BE COATED WITH SPLICING EPOXY TO OBTAIN MOISTURE-PROOF JOINT. SEE SPECIFICATIONS "CATHODIC PROTECTION". #6 REINFORCING BAR SHALL BE WELDED TO THE LAST THREE SHEET PILING AT EACH END OF THE MONOLITH FOR CONTINUITY. SPLICING OF #6 BAR WILL NOT BE ALLOWED.

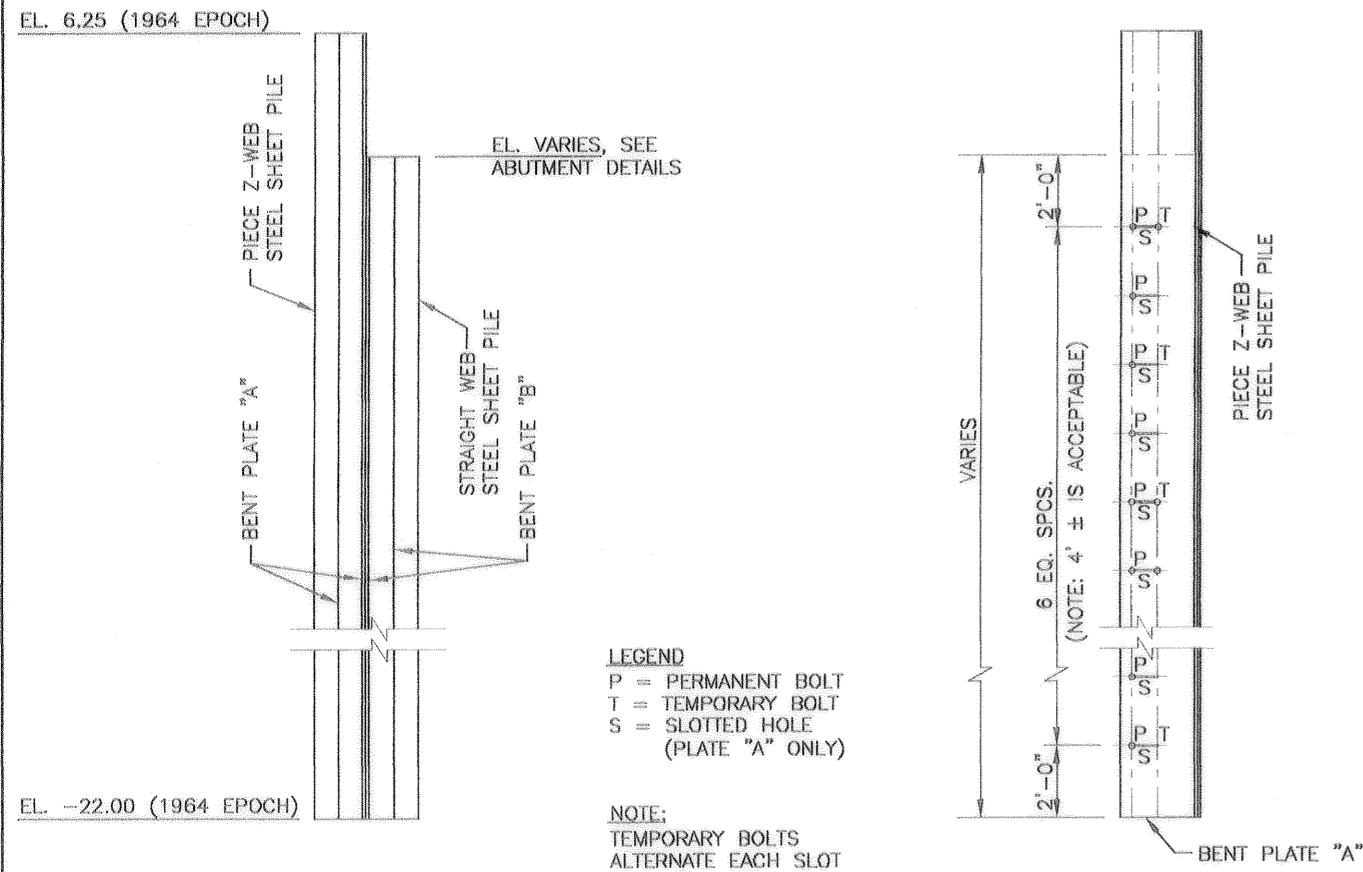


LAND SIDE ELEVATION I-WALL TO ABUTMENT/BARRIER

(JOINT A SHOWN, OTHERS SIMILAR)

SCALE: 1/2" = 1'-0"

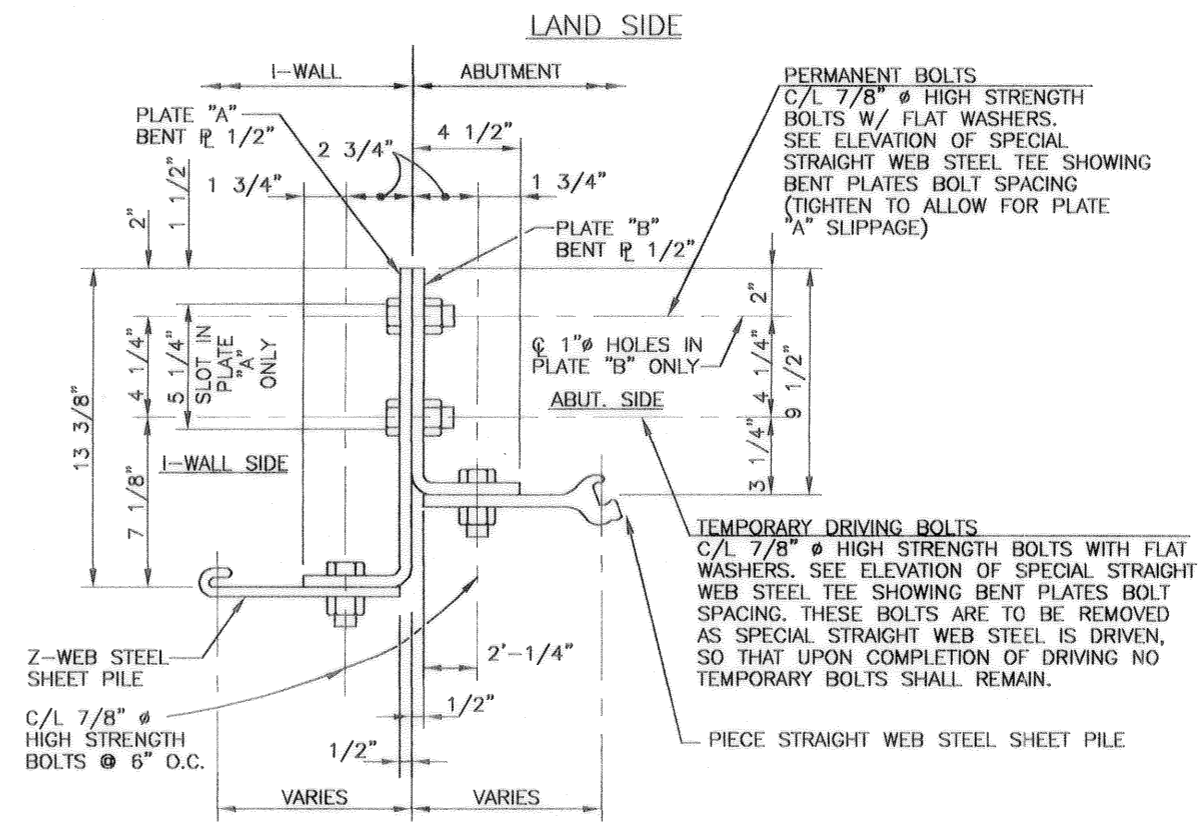
NOTE: FOR GENERAL NOTES, SEE DWGS. 2 AND 3.



ELEVATION OF SPECIAL STRAIGHT WEB TEE SHOWING BENT PLATES BOLT SPACING

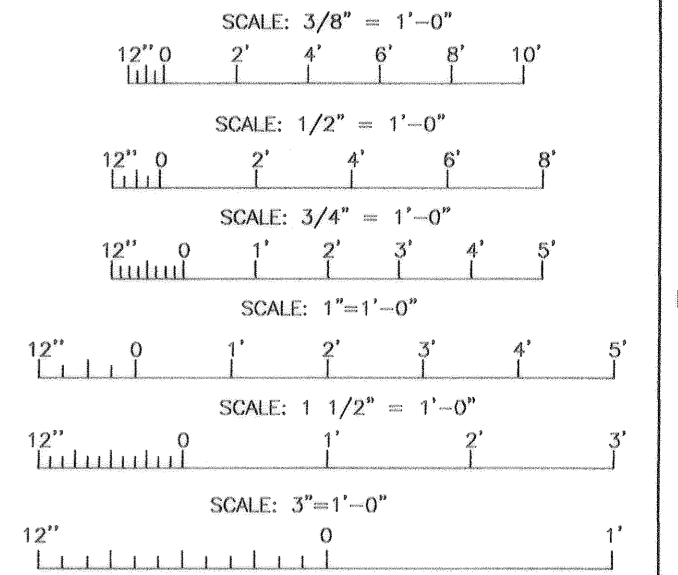
(JOINT A SHOWN, OTHERS SIMILAR)

SCALE: HORIZ. 3/4" = 1'-0"
VERT. 3/8" = 1'-0"

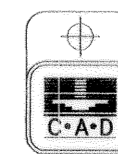


SPECIAL STRAIGHT WEB PILE SECTION

SCALE: 3"=1'-0"

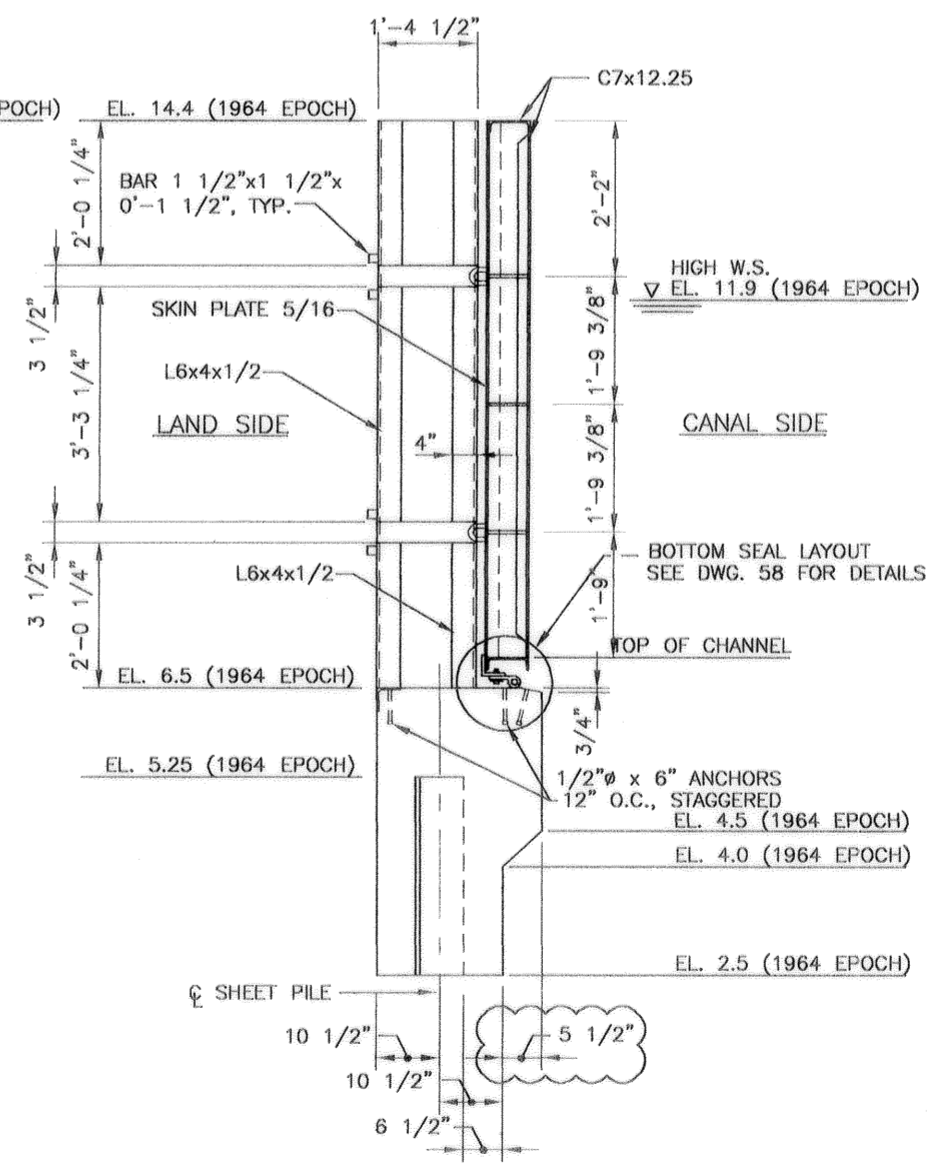
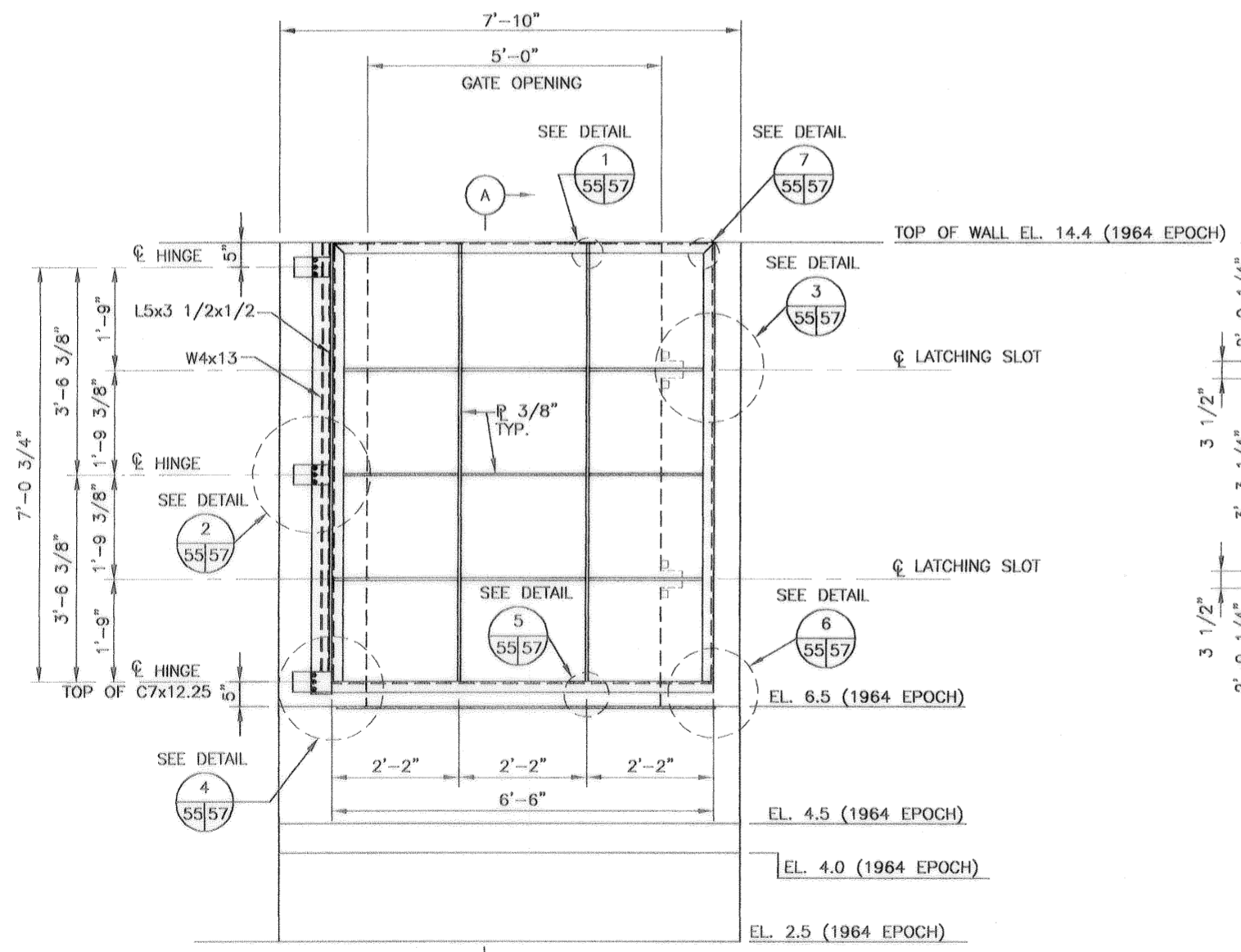
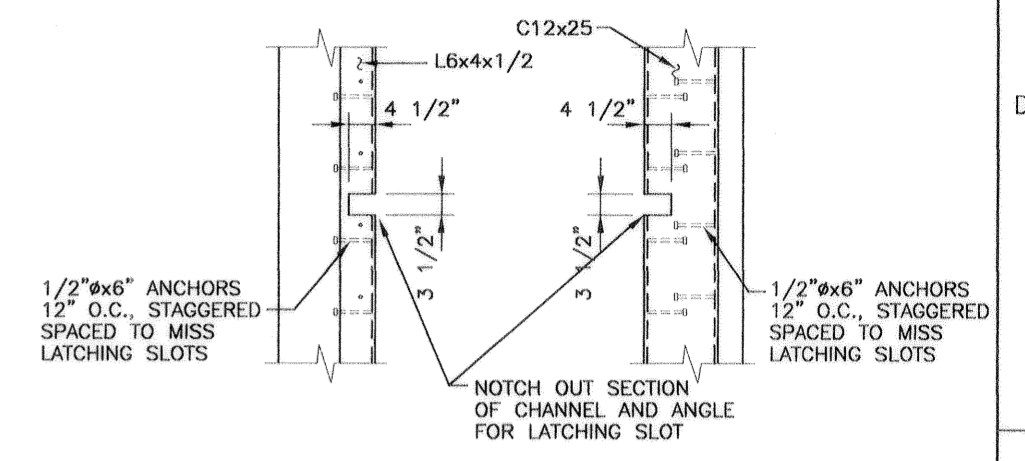
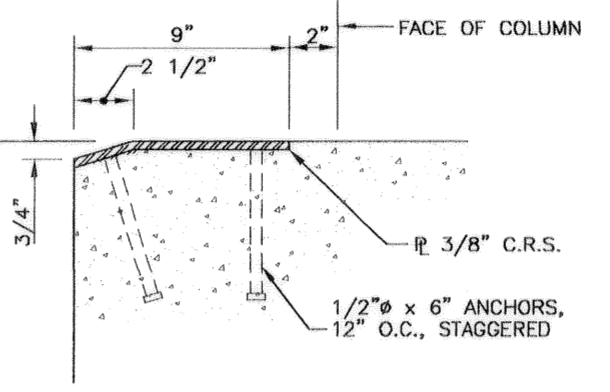
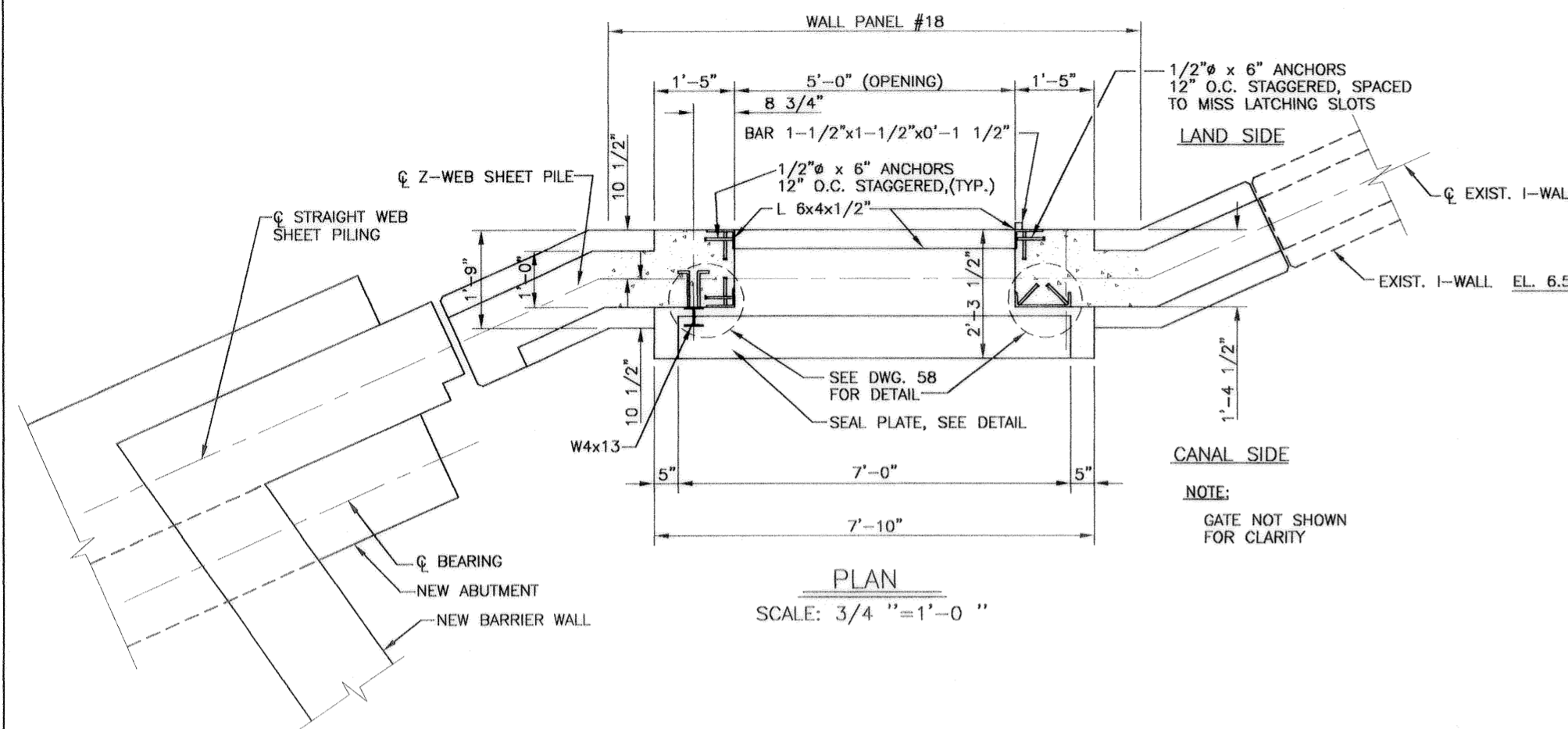


SYMBOL	DESCRIPTION	DATE	APPROVED
REVISIONS			
U.S. ARMY ENGINEER DISTRICT, NEW ORLEANS CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA			
BOARD OF LEVEL COMMISSIONERS ORLEANS LEVEL DISTRICT NEW ORLEANS, LOUISIANA		LINHELD, HUNTER & JUNIUS, INC. CONSULTING ENGINEERS AND ARCHITECTS 3500 North Causeway Blvd., Suite 200 Metairie, Louisiana 70002	
LAKE PONTCHARTRAIN, LA. AND VICINITY HIGH LEVEL PLAN LONDON AVE. OUTFALL CANAL, PARALLEL PROTECTION FLOODPROOFING OF LEON C. SIMON BLVD. BRIDGE ORLEANS PARISH, LOUISIANA			
FLOODWALL DETAILS - 5			
DESIGNED BY: REN	DATE: FEB. 1998	PLOT SCALE: 48	PLOT DATE: 2/20/98
DRAWN BY: WE	CADD FILE: 447328JLJ.DGN	FILE NO.	H-4-44955
CHECKED BY: AFG	SOLICITATION NO.	DWG. NO.	54 OF 68
SUBMITTED BY: A. GOODSON DESIGN ENGINEER		DACW29-98-B-0065	

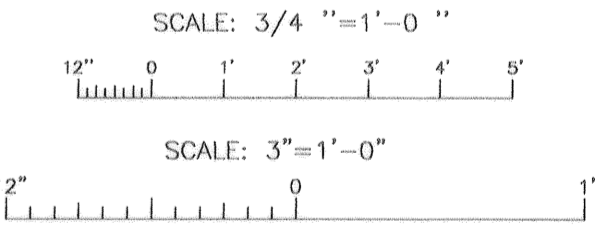


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- NOTES:
- FOR GENERAL NOTES SEE DWG. 2 AND 3
 - FOR GATE MONOLITH REINFORCING SEE DWG. 56.
 - FOR SEAL DETAILS, SEE DWG. 58.
 - CONTRACTOR MAY PROPOSE USE OF A MANUFACTURED GATE. GATE TYPE SUBJECT TO APPROVAL BY CONTRACTING OFFICER.

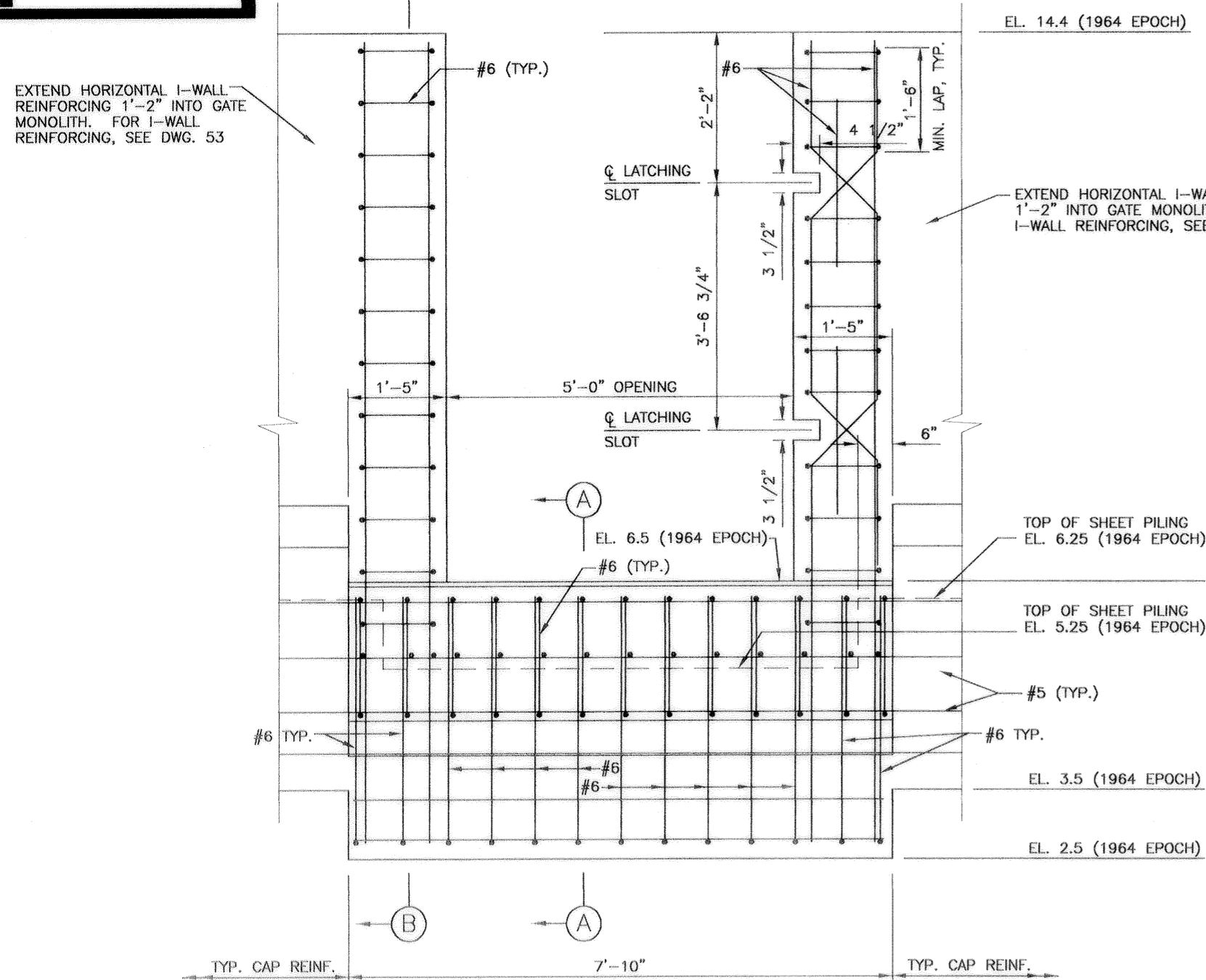


SYMBOL	DESCRIPTION	DATE	APPROVED
REVISIONS			
U.S. ARMY ENGINEER DISTRICT, NEW ORLEANS CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA			
BOARD OF LEVEE COMMISSIONERS ORLEANS LEVEE DISTRICT NEW ORLEANS, LOUISIANA		LINFIELD HUNTER & JUNIUS, INC. CONSULTING ENGINEERS AND ARCHITECTS 3500 North Causeway Blvd. Suite 200 Metairie, Louisiana 70002	
LAKE PONTCHARTRAIN, LA. AND VICINITY HIGH LEVEL PLAN LONDON AVE. OUTFALL CANAL, PARALLEL PROTECTION FLOODPROOFING OF LEON C. SIMON BLVD. BRIDGE ORLEANS PARISH, LOUISIANA			
FLOODWALL GATE DETAILS - 1			
DESIGNED BY: REN	DATE: FEB. 1998	PLOT SCALE: 16	PLOT DATE: 2/20/98
DRAWN BY: WAY	CADD FILE: 44732BLK.DGN	FILE NO. H-4-44955	
CHECKED BY: AFG	SOLICITATION NO. DACW29-98-B-0065	DWG. 55 OF 68	
SUBMITTED BY: A. GOODSON DESIGN ENGINEER			

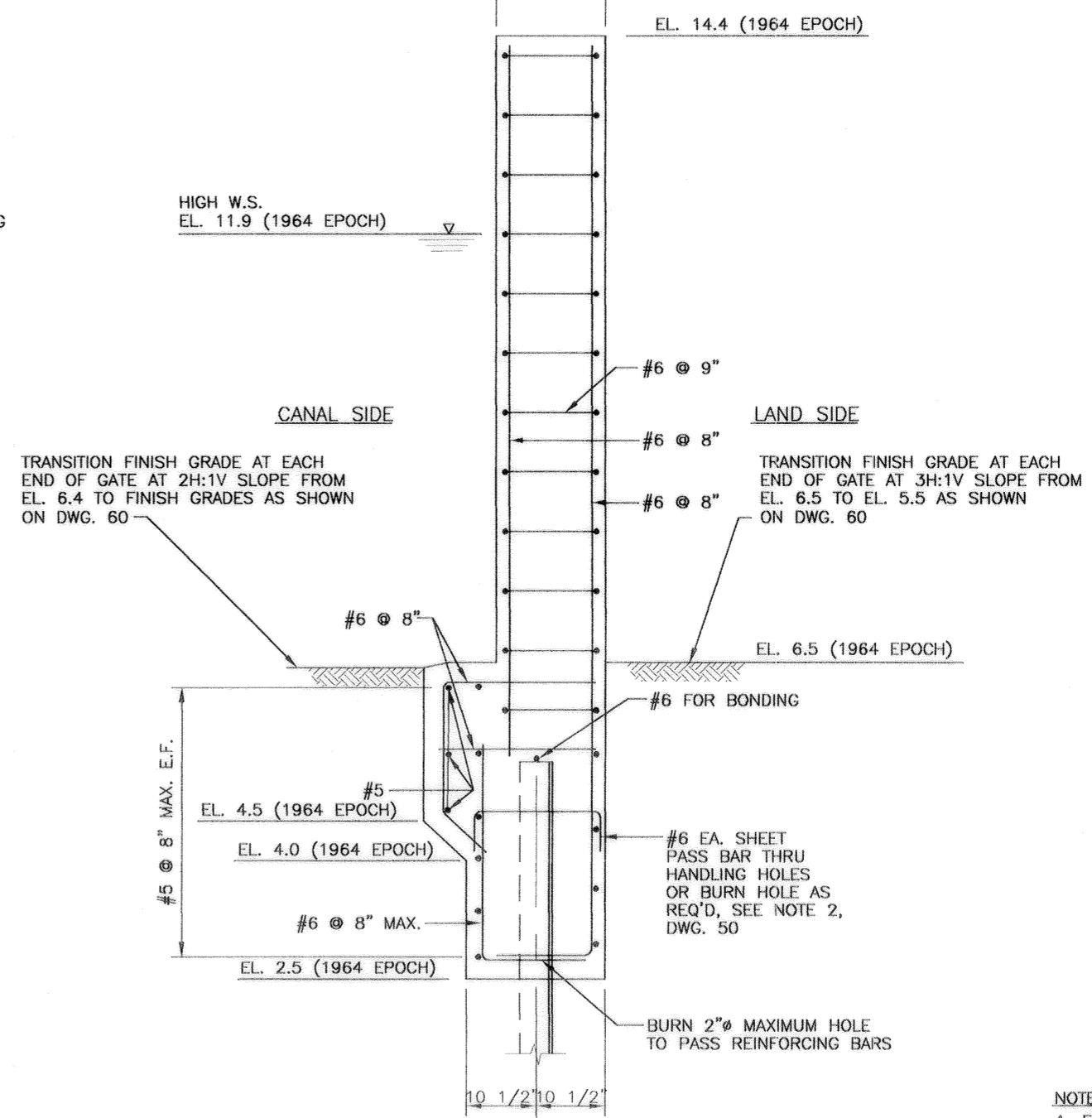


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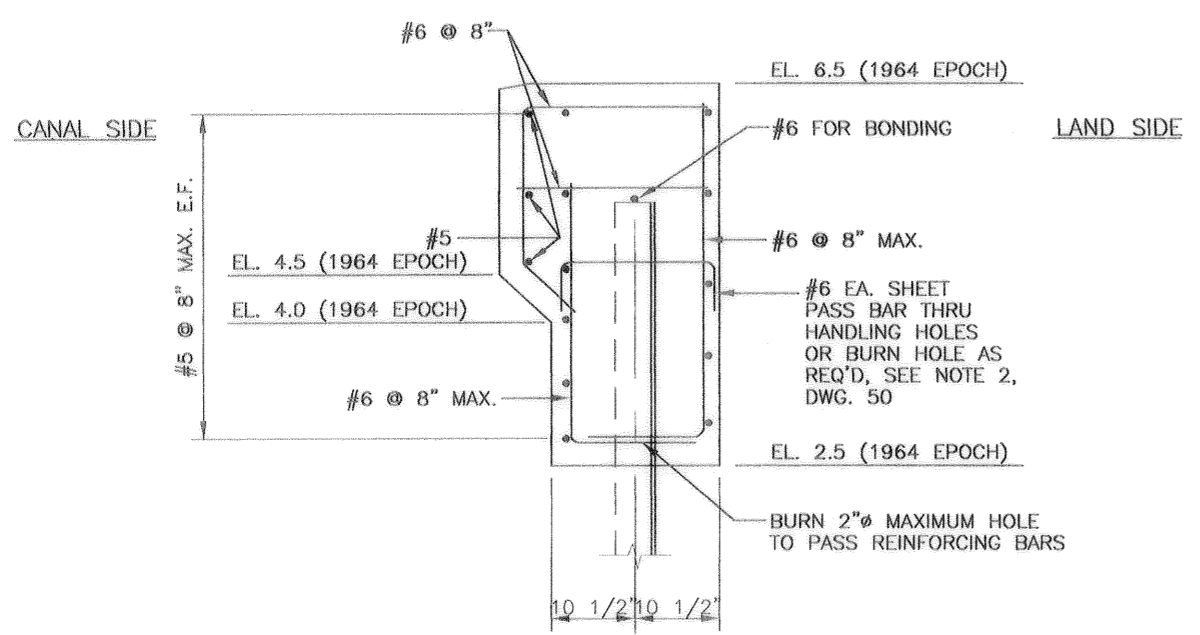
AS BUILT



CANAL SIDE GATE ELEVATION
SCALE: 1"=1'-0"



SECTION (B)
SCALE: 1"=1'-0"



SECTION (A)
SCALE: 1"=1'-0"

- NOTES:
1. FOR GENERAL NOTES, SEE DWGS. 2 & 3
 2. FOR GATE MONOLITH MASONRY, SEE DWG. 55
 3. FOR LATCHING DETAILS, SEE DWG. 59

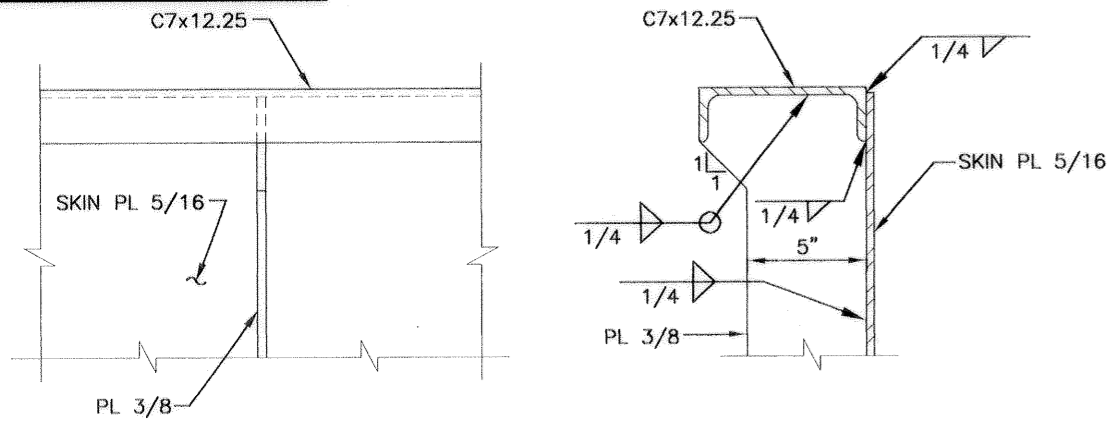


SYMBOL	DESCRIPTION	DATE	APPROVED
REVISIONS			
U.S. ARMY ENGINEER DISTRICT, NEW ORLEANS CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA			
BOARD OF LEVEE COMMISSIONERS ORLEANS LEVEE DISTRICT NEW ORLEANS, LOUISIANA		LINFIELD, HUNTER & JUNIUS, INC. CONSULTING ENGINEERS AND ARCHITECTS 3300 North Causeway Blvd., Suite 200 Metairie, Louisiana 70002	
LAKE PONTCHARTRAIN, LA. AND VICINITY HIGH LEVEL PLAN LONDON AVE. OUTFALL CANAL, PARALLEL PROTECTION FLOODPROOFING OF LEON C. SIMON BLVD. BRIDGE ORLEANS PARISH, LOUISIANA			
FLOODWALL GATE DETAILS - 2			
DESIGNED BY: REN	DATE: FEB. 1998	PLOT SCALE: 12	PLOT DATE: 2/20/98
DRAWN BY: MKA	CHECKED BY: AFG	CADD FILE: 44732BK.DGN	FILE NO. H-4-44955
SUBMITTED BY: A. GOODSON DESIGN ENGINEER	SOLICITATION NO. DACW29-98-B-0065	DWG. 56 OF 68	

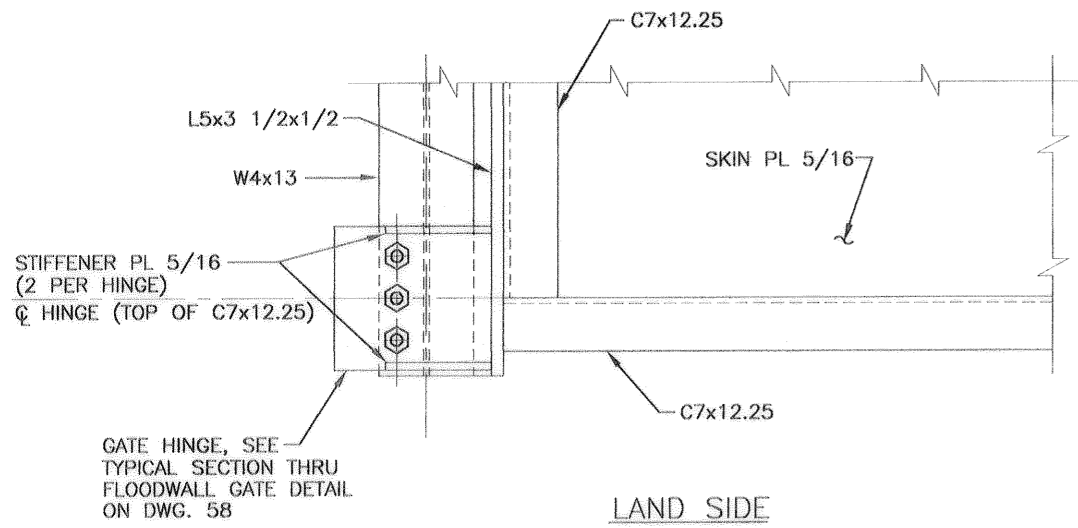
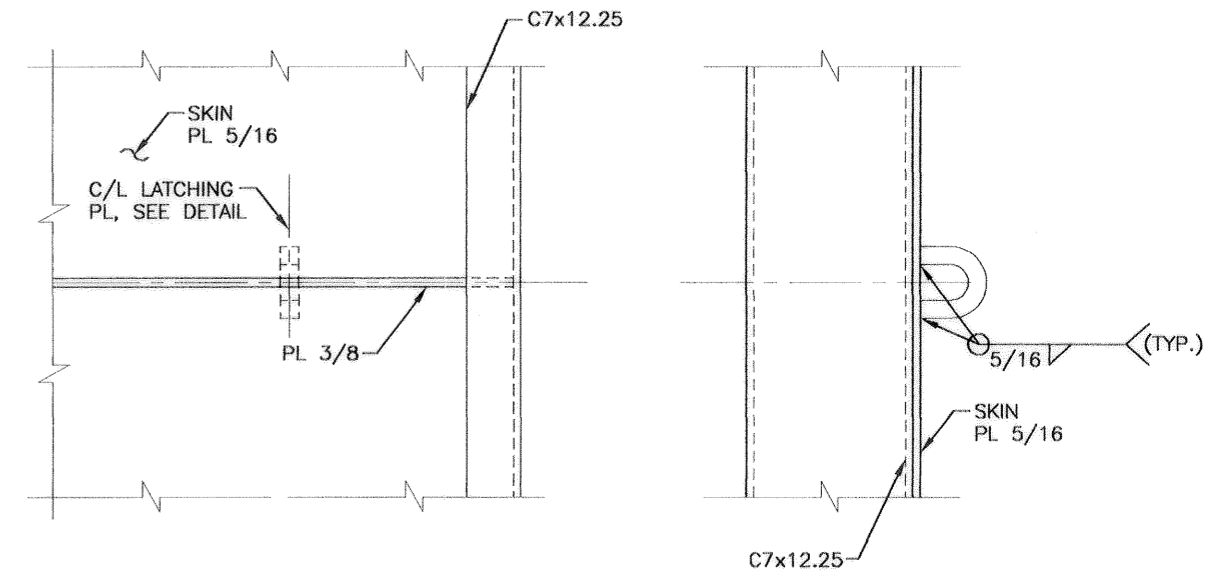
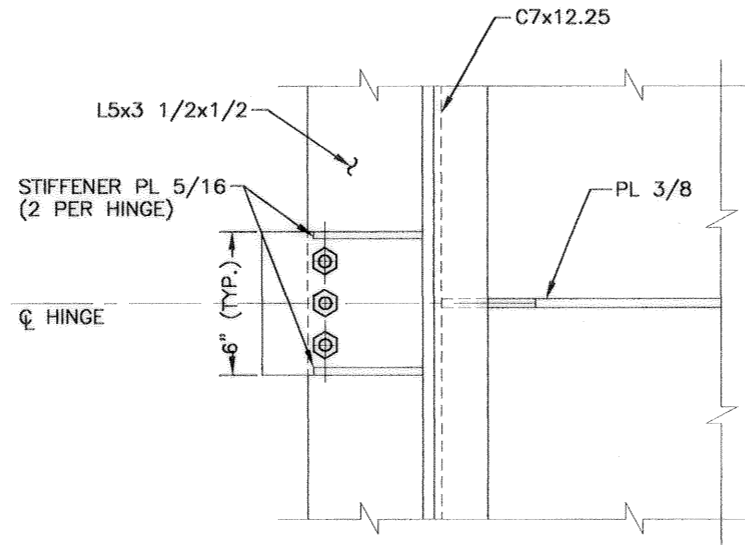


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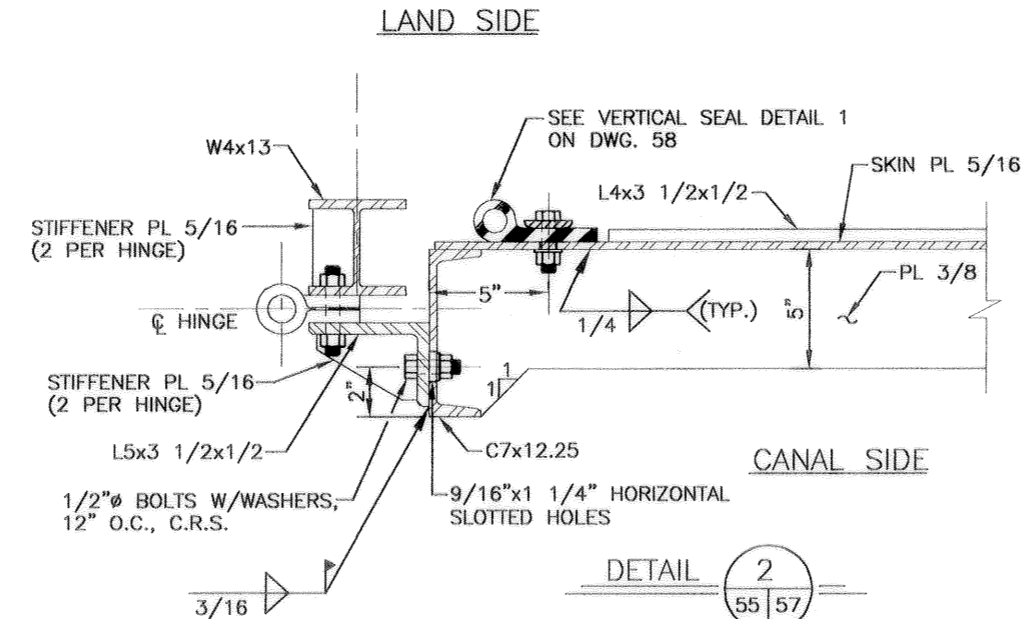
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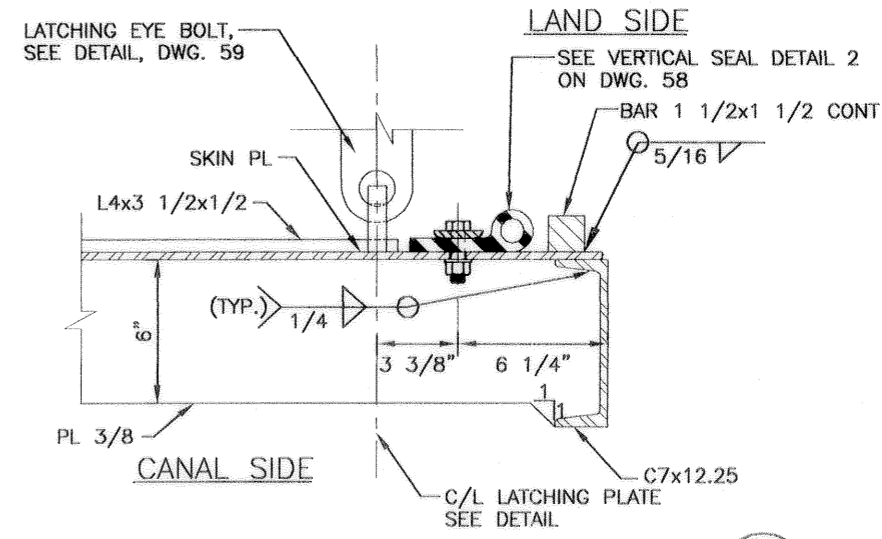
DETAIL 1
55 57



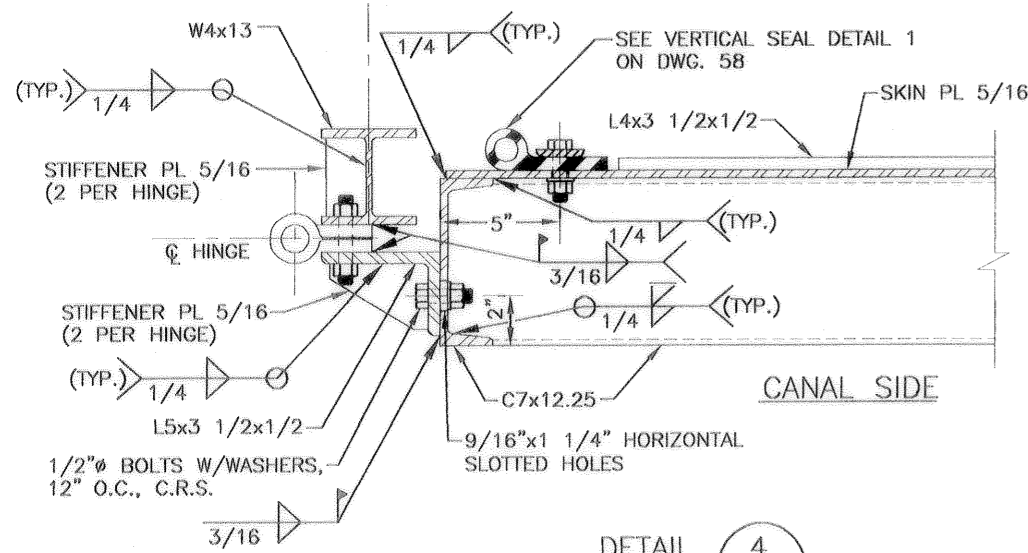
LAND SIDE



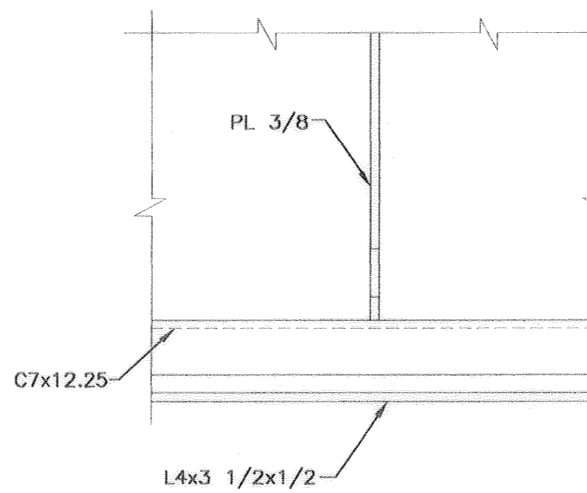
CANAL SIDE



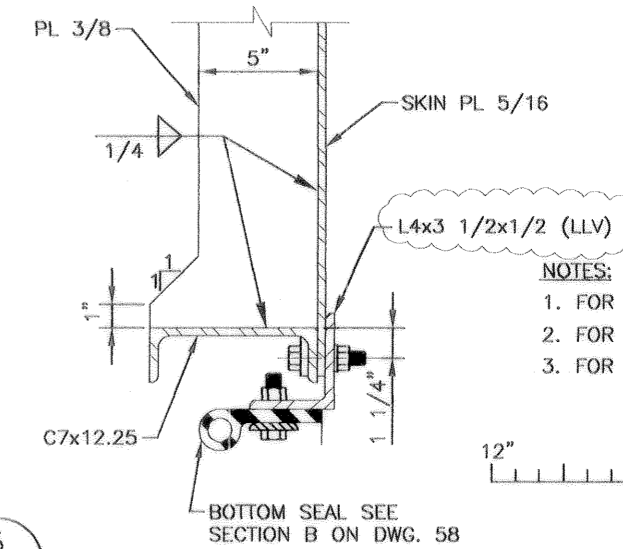
DETAIL 3
55 57



DETAIL 4
55 57



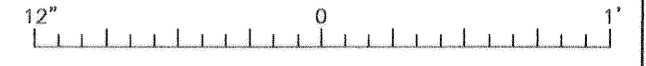
DETAIL 5
55 57



BOTTOM SEAL SEE SECTION B ON DWG. 58

- NOTES:
1. FOR GENERAL NOTES, SEE DWGS. 2 AND 3.
 2. FOR GATE MONOLITH DETAILS, SEE DWG. 55.
 3. FOR SEAL DETAILS, SEE DWG. 58.

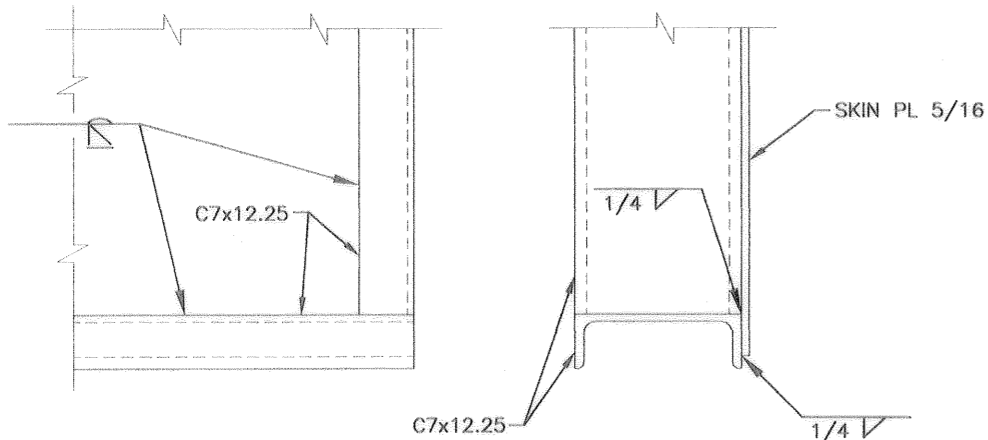
SCALE: 3" = 1'-0"



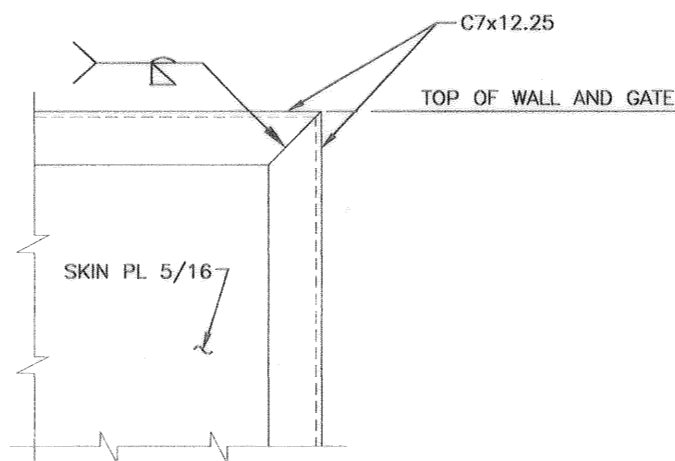
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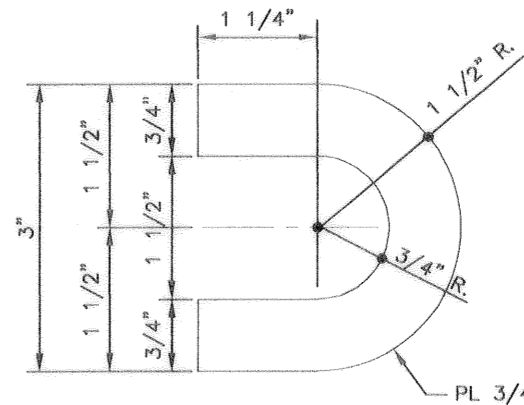
NOTE:
SEAL ASSEMBLY SHOWN IN SOME VIEWS FOR ORIENTATION ONLY.



DETAIL 6
55 57



DETAIL 7
55 57

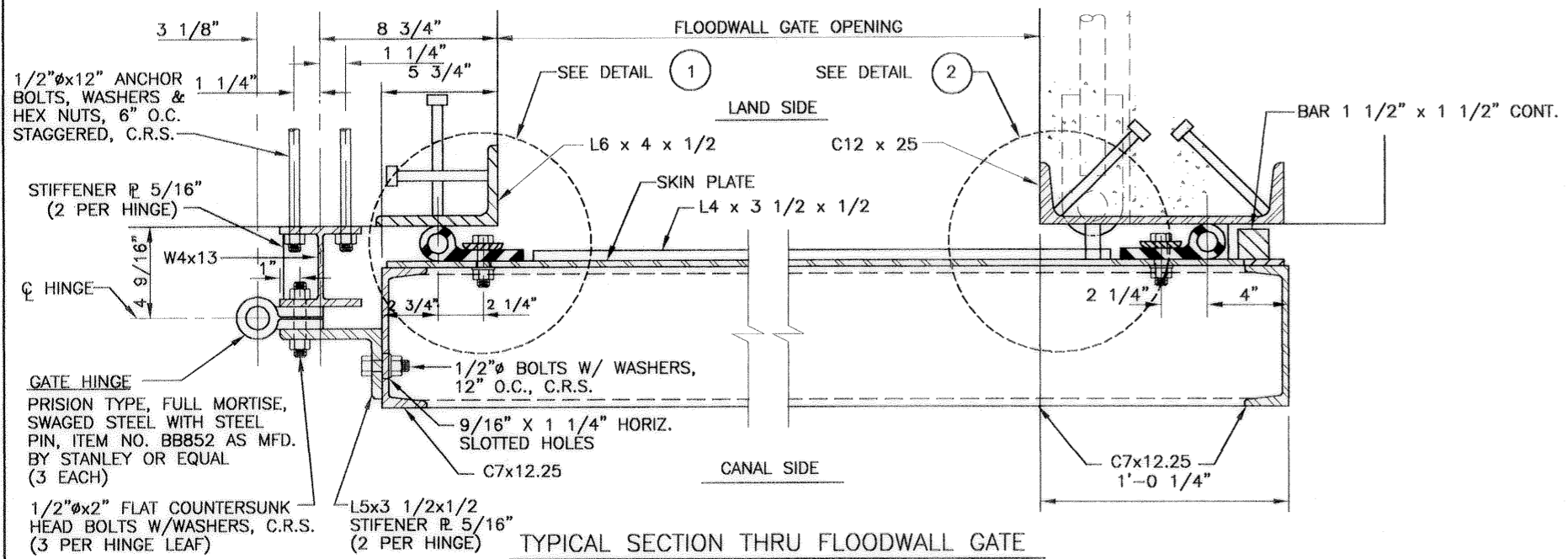


LATCHING PLATE
SCALE: 12" = 1'-0"



SYMBOL	DESCRIPTION	DATE	APPROVED
REVISIONS			
U.S. ARMY ENGINEER DISTRICT, NEW ORLEANS CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA			
BOARD OF LEVEE COMMISSIONERS ORLEANS LEVEE DISTRICT NEW ORLEANS, LOUISIANA		LINFIELD, HUNTER & JUNIUS, INC. CONSULTING ENGINEERS AND ARCHITECTS 3500 North Causeway Blvd. Suite 200 Metairie, Louisiana 70002	
LAKE PONTCHARTRAIN, LA. AND VICINITY HIGH LEVEL PLAN LONDON AVE. OUTFALL CANAL, PARALLEL PROTECTION FLOODPROOFING OF LEON C. SIMON BLVD. BRIDGE ORLEANS PARISH, LOUISIANA			
FLOODWALL GATE DETAILS - 3			
DESIGNED BY: REN	DATE: FEB. 1998	PLOT SCALE: 4	PLOT DATE: 2/20/98
DRAWN BY: WE	CHECKED BY: AFG	CADD FILE: 44732BK.DGN	FILE NO. H-4-44955
SUBMITTED BY: A. GOODSON DESIGN ENGINEER	SOLICITATION NO. DACW29-98-B-0065	DWG. 57 OF 68	

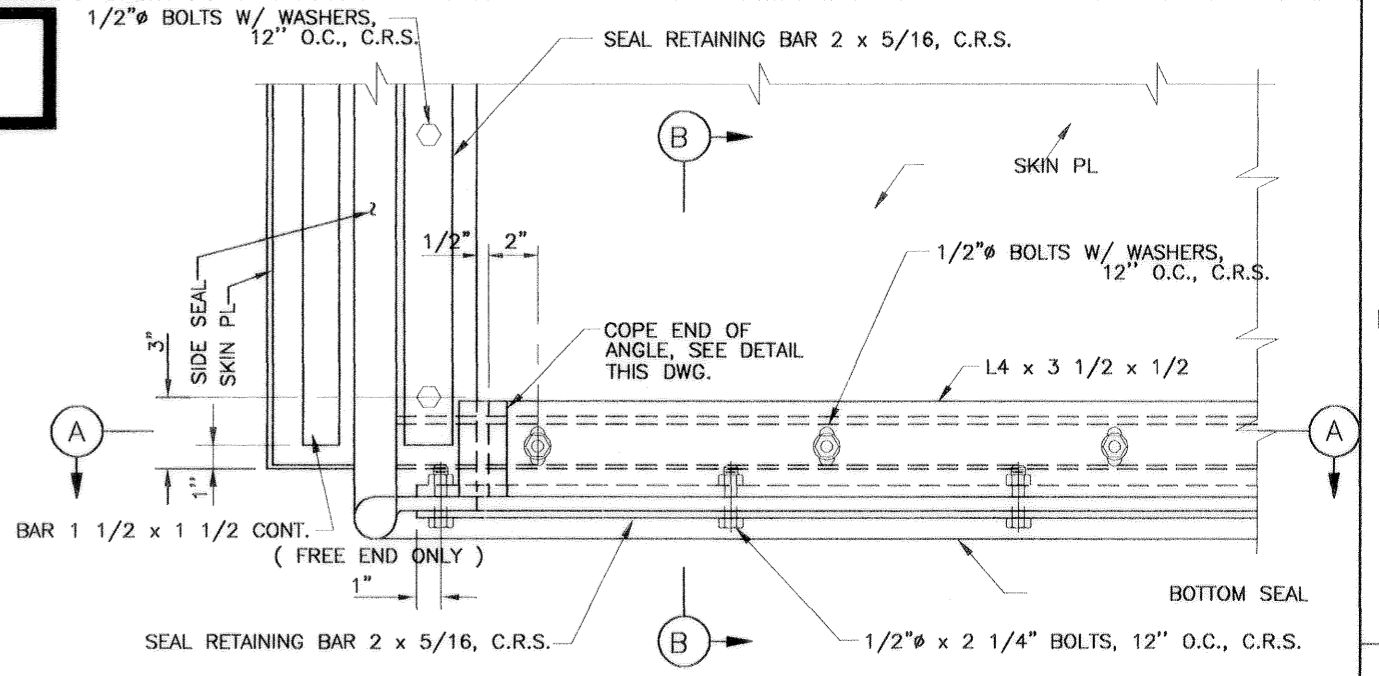
AS BUILT



TYPICAL SECTION THRU FLOODWALL GATE

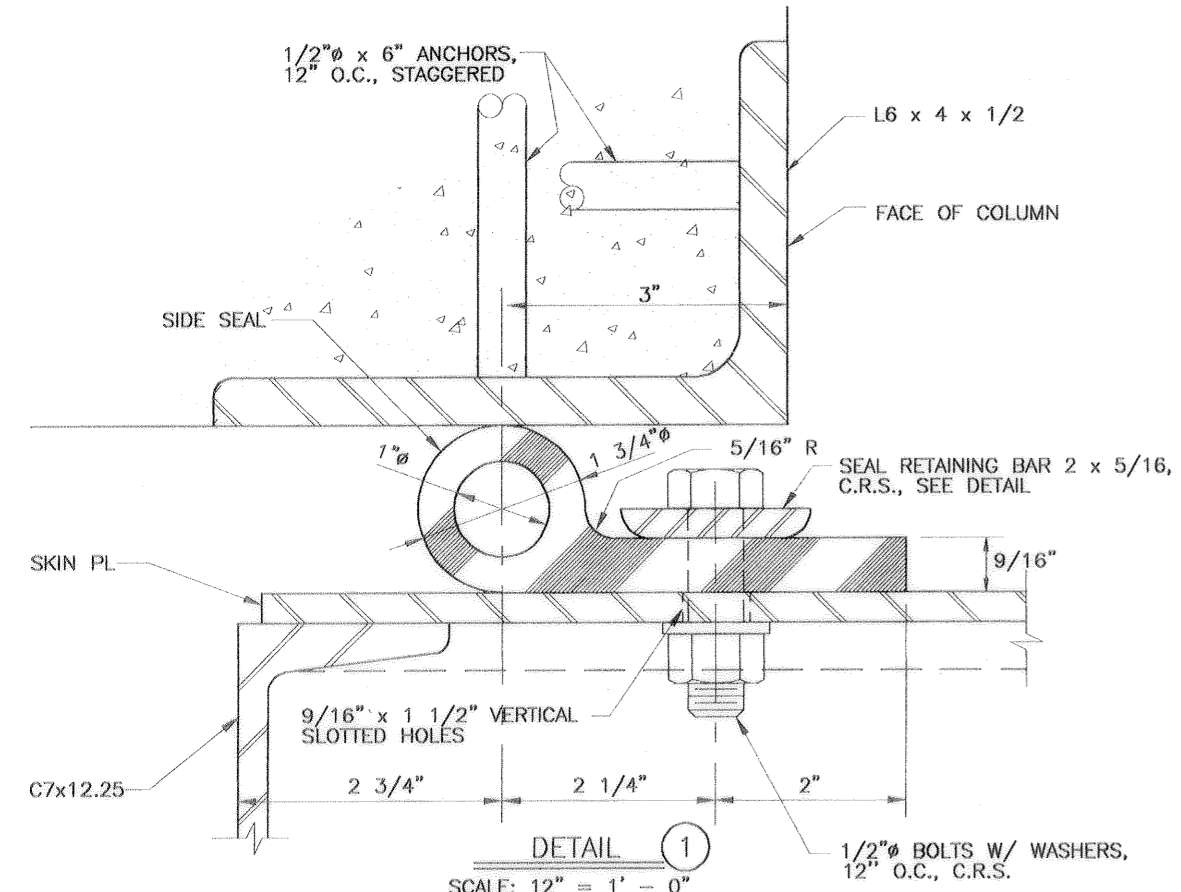
SCALE: 3" = 1' - 0"

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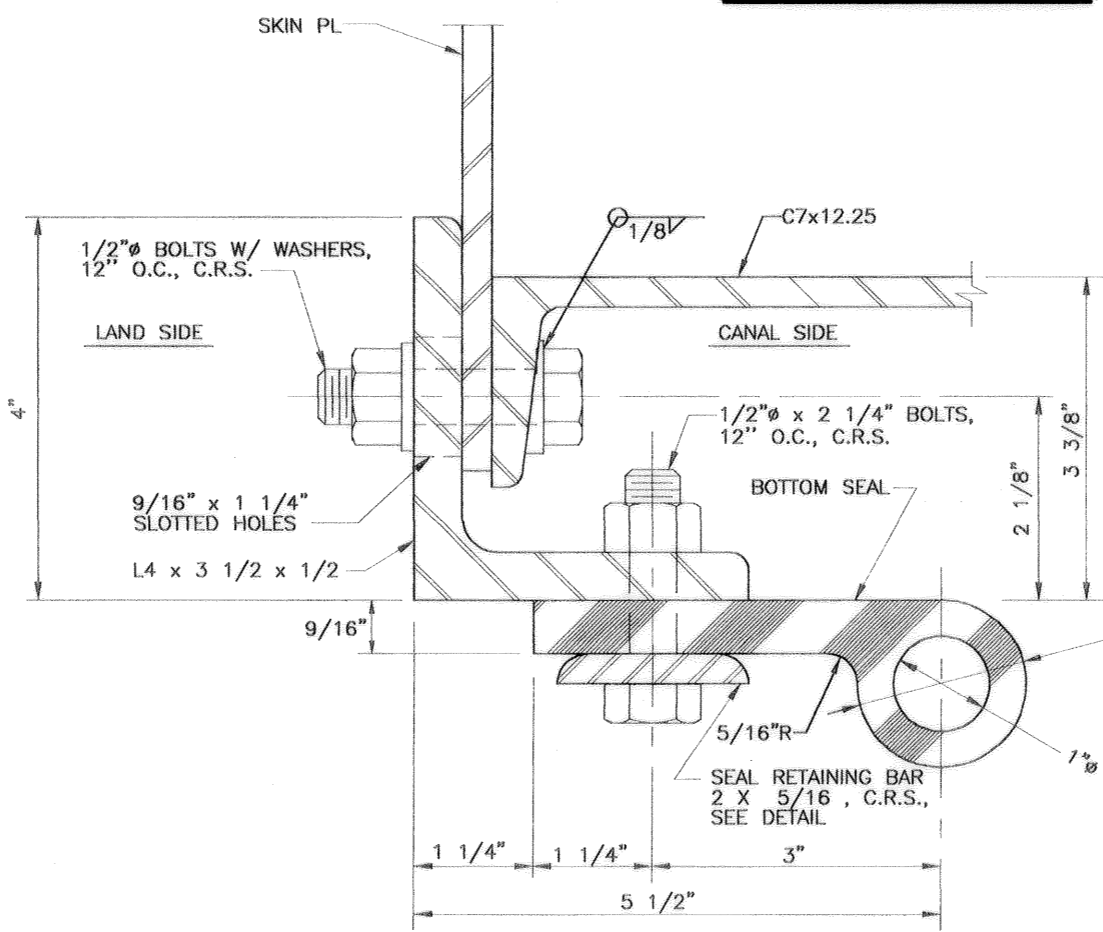
END ELEVATION - LAND SIDE GATE

SCALE: 3" = 1' - 0"



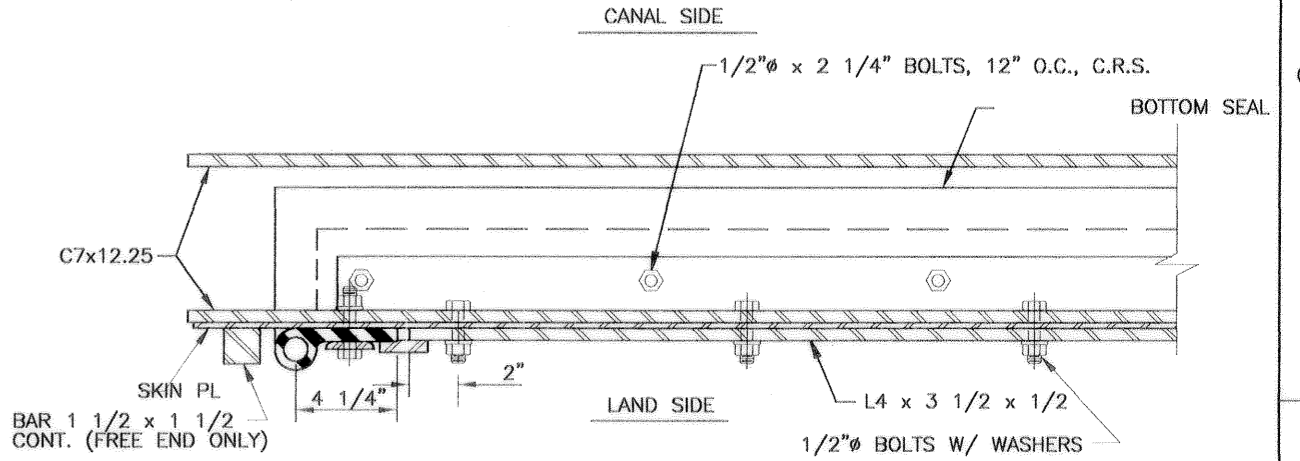
DETAIL 1

SCALE: 12" = 1' - 0"



SECTION B

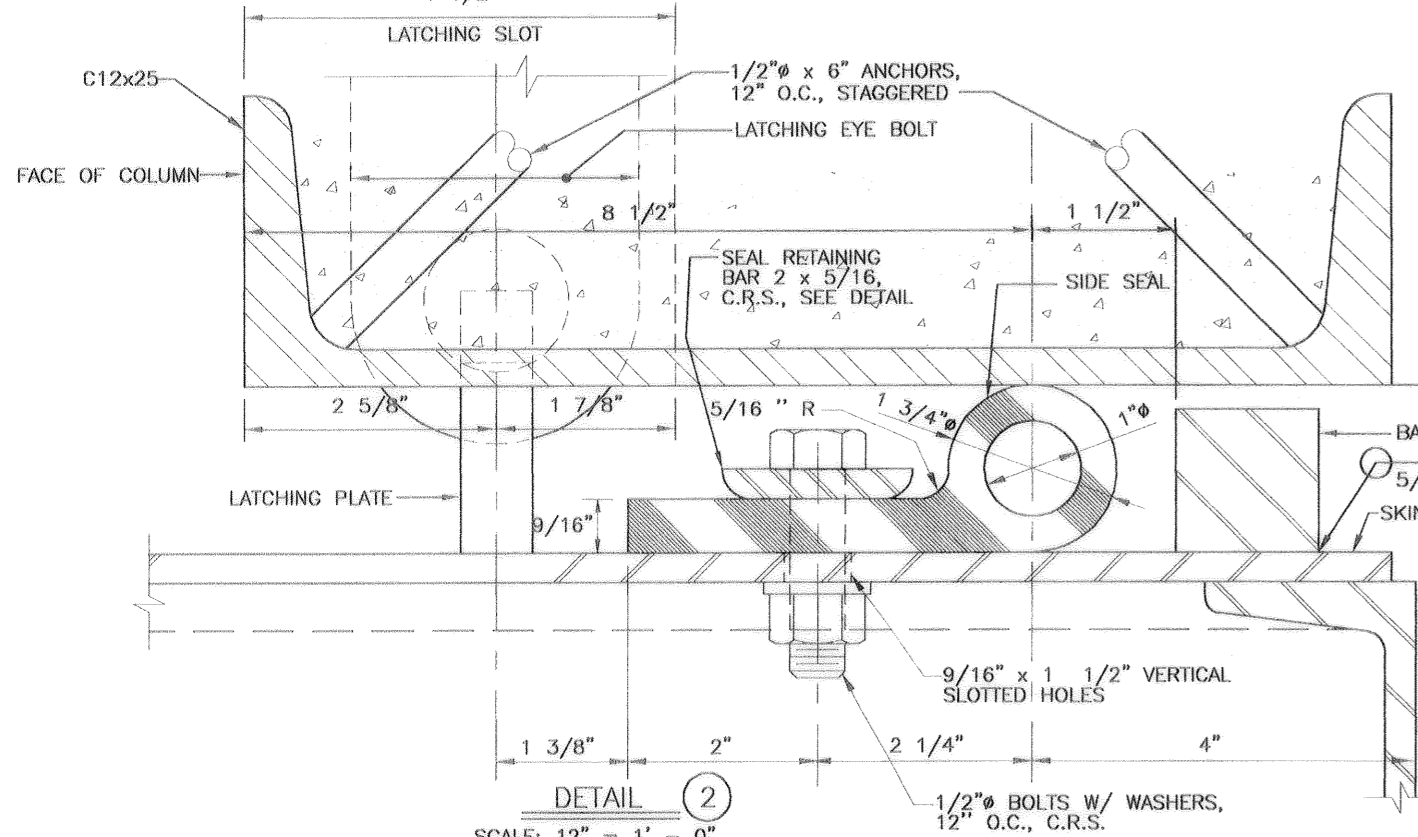
SCALE: 12" = 1' - 0"



SECTION A

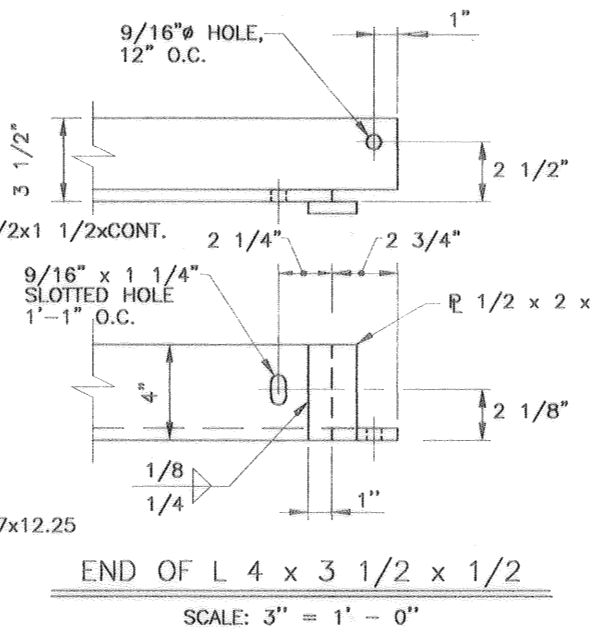
SCALE: 3" = 1' - 0"

- NOTES:**
1. FOR GENERAL NOTES, SEE DWGS. 2 AND 3.
 2. ALL SPLICES WILL BE FACTORY MADE IN HEAVY STEEL PRESS TYPE MOLDS UNDER PRESSURE AND HEAT.
 3. ALL SPLICE JOINTS MUST DEVELOP STRENGTH OF AT LEAST 50% OF THE MINIMUM TENSILE STRENGTH REQUIRED OF THE RUBBER.
 4. SEAL CLAMP ANGLES SHALL BE PAINTED ON ALL SIDES PRIOR TO ASSEMBLY.
 5. AFTER ASSEMBLY AND SEAL ADJUSTMENTS ARE MADE, ALL GAPS IN SEALS AND SEAL SUPPORTS SHALL BE SEALED WITH A SILICONE RUBBER SEALANT TO PROVIDE WATERTIGHT JOINTS.



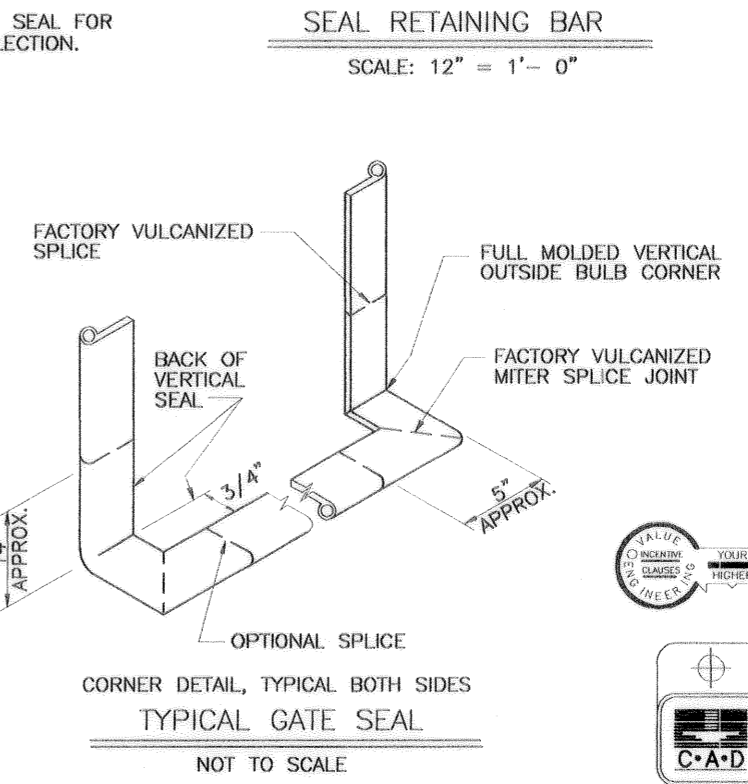
DETAIL 2

SCALE: 12" = 1' - 0"



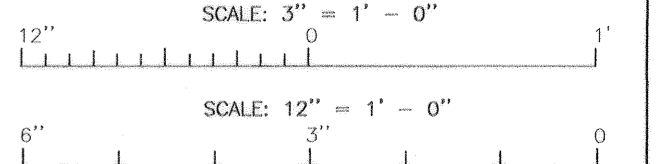
END OF L 4 x 3 1/2 x 1/2


SCALE: 3" = 1' - 0"



CORNER DETAIL, TYPICAL BOTH SIDES

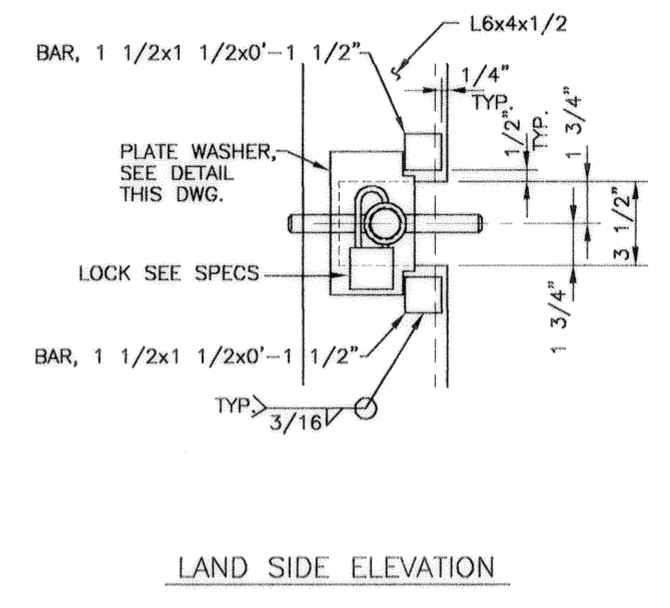
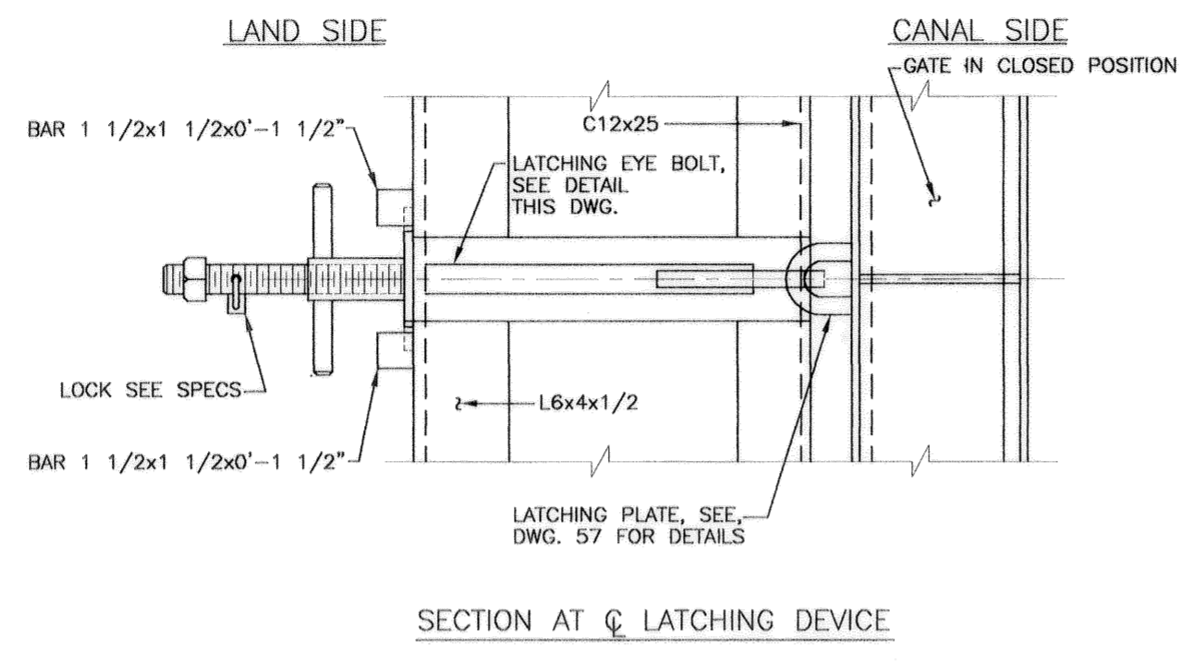
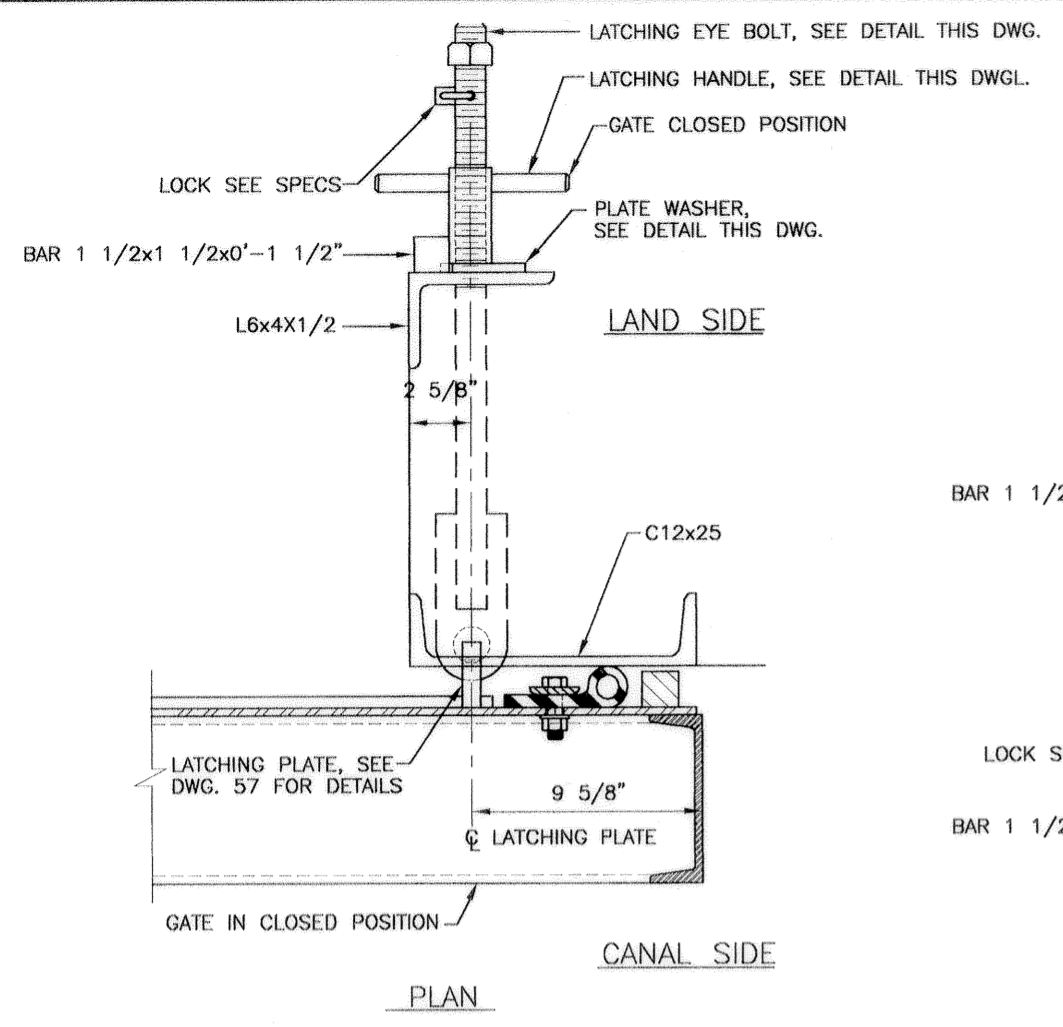
NOT TO SCALE



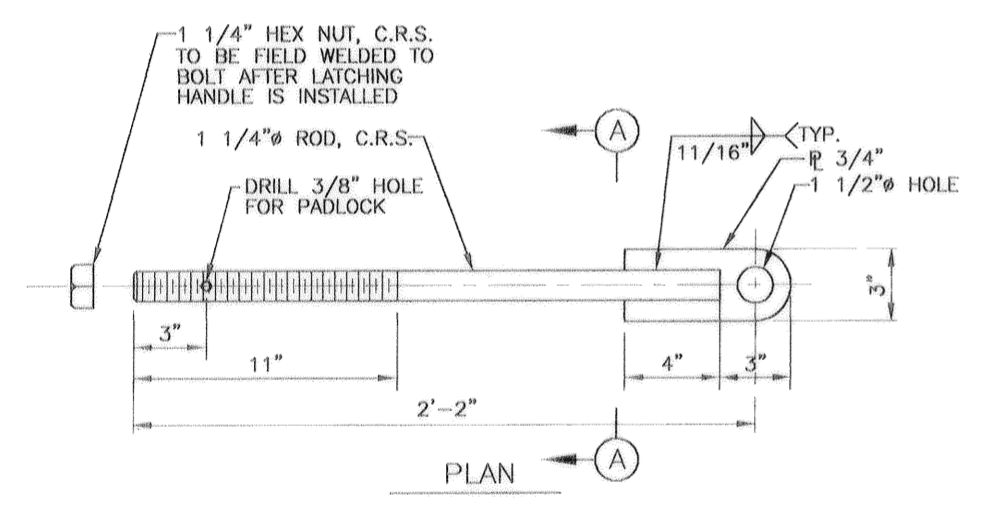
SYMBOL	DESCRIPTION	DATE	APPROVED
REVISIONS			
 U.S. ARMY ENGINEER DISTRICT, NEW ORLEANS CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA			
BOARD OF LEVEE COMMISSIONERS ORLEANS LEVEL DISTRICT NEW ORLEANS, LOUISIANA		LINFIELD, HUNTER & JUNIUS, INC. CONSULTING ENGINEERS AND ARCHITECTS 3500 North Causeway Blvd., Suite 200 Metairie, Louisiana 70002	
LAKE PONCHARTRAIN, LA. AND VICINITY HIGH LEVEL PLAN LONDON AVE. OUTFALL CANAL, PARALLEL PROTECTION FLOODPROOFING OF LEON C. SIMON BLVD. BRIDGE ORLEANS PARISH, LOUISIANA			
FLOODWALL GATE DETAILS - 4			
DESIGNED BY: REN	DATE: FEB. 1998	PLOT SCALE: 12	PLOT DATE: 2/20/98
DRAWN BY: WAY	CHECKED BY: AFG	ADD FILE: 44732BLK.DGN	FILE NO. H-4-44955
SUBMITTED BY: A. GOODSON DESIGN ENGINEER	SOLICITATION NO. DACW29-98-B-0065	DWG. 58	OF 68

AS BUILT

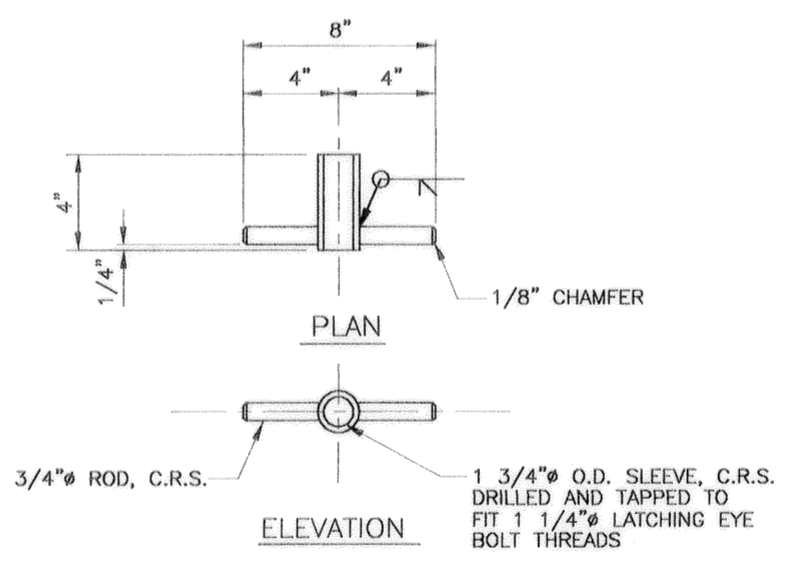
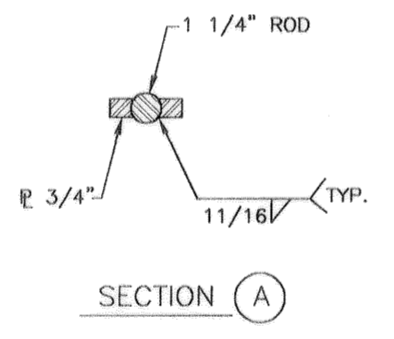
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LATCHING DEVICE
SCALE: 3" = 1' - 0"



LATCHING EYE BOLT
SCALE: 3" = 1' - 0"



LATCHING HANDLE
SCALE: 3" = 1' - 0"

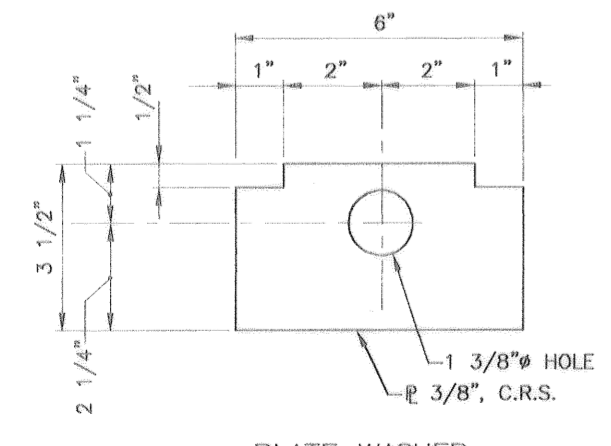
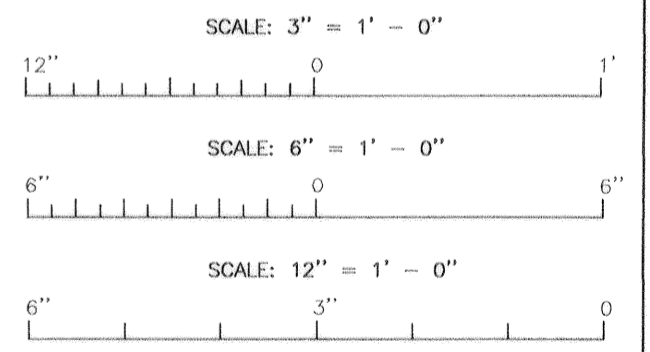


PLATE WASHER
SCALE: 6" = 1' - 0"

- NOTES:
1. FOR GENERAL NOTES, SEE DWG. 2 & 3.
 2. FOR TYPICAL I-WALL SECTIONS, SEE DWG. 53.
 3. FOR GATE MONOLITH DETAILS, SEE DWG. 55.

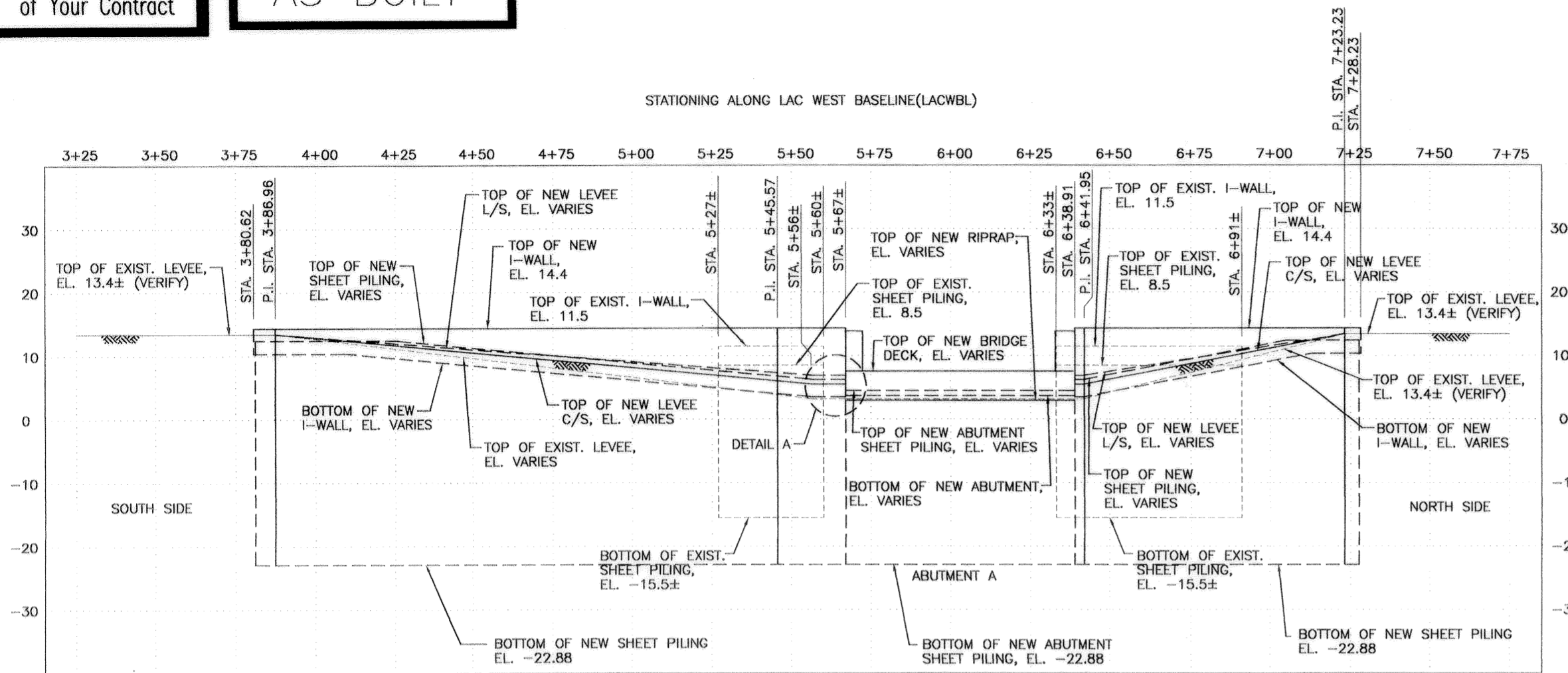


SYMBOL	DESCRIPTION	DATE	APPROVED
REVISIONS			
U.S. ARMY ENGINEER DISTRICT, NEW ORLEANS CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA			
BOARD OF LEVEE COMMISSIONERS ORLEANS LEVEE DISTRICT NEW ORLEANS, LOUISIANA		LINFIELD, HUNTER & JUNIUS, INC. CONSULTING ENGINEERS AND ARCHITECTS 3500 North Causeway Blvd. Suite 200 Metairie, Louisiana 70002	
LAKE PONTCHARTRAIN, LA. AND VICINITY HIGH LEVEL PLAN LONDON AVE. OUTFALL CANAL, PARALLEL PROTECTION FLOODPROOFING OF LEON C. SIMON BLVD. BRIDGE ORLEANS PARISH, LOUISIANA			
FLOODWALL GATE DETAILS - 5			
DESIGNED BY: REN	DATE: FEB. 1998	PLOT SCALE: 4	PLOT DATE: 2/20/98
DRAWN BY: WAY	CHECKED BY: AFG	CADD FILE: 44732BLK.DGN	FILE NO. H-4-44955
SUBMITTED BY: A. GOODSON	SOLICITATION NO. DACW29-98-B-0065	DWG. 59 OF 68	



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AS BUILT

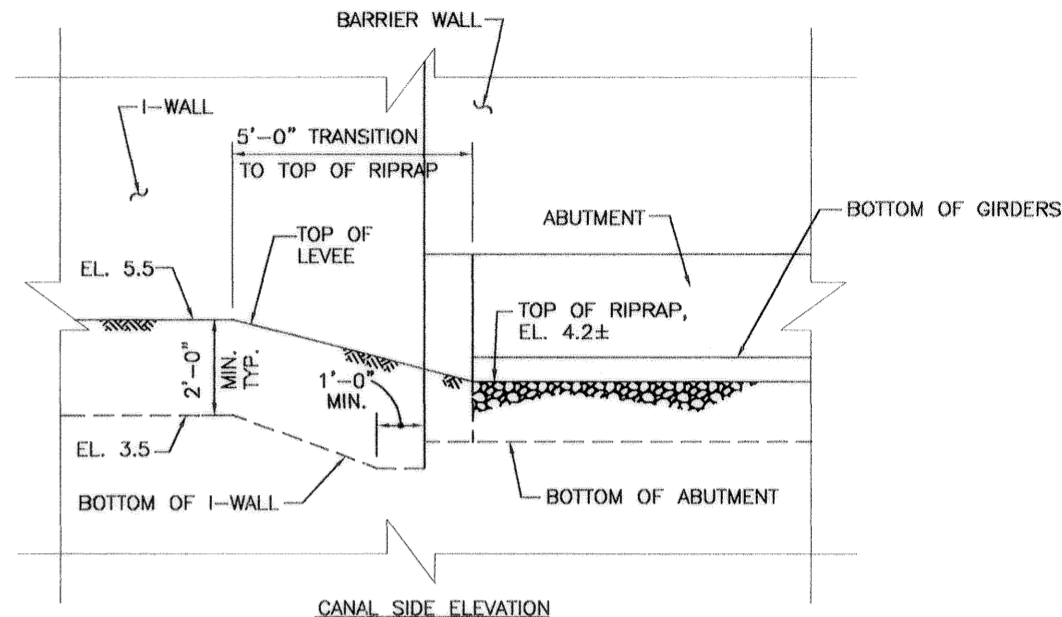


WEST PROFILE - CANAL SIDE

SCALE: HOR. 1"=20'
VERT. 1"=10'

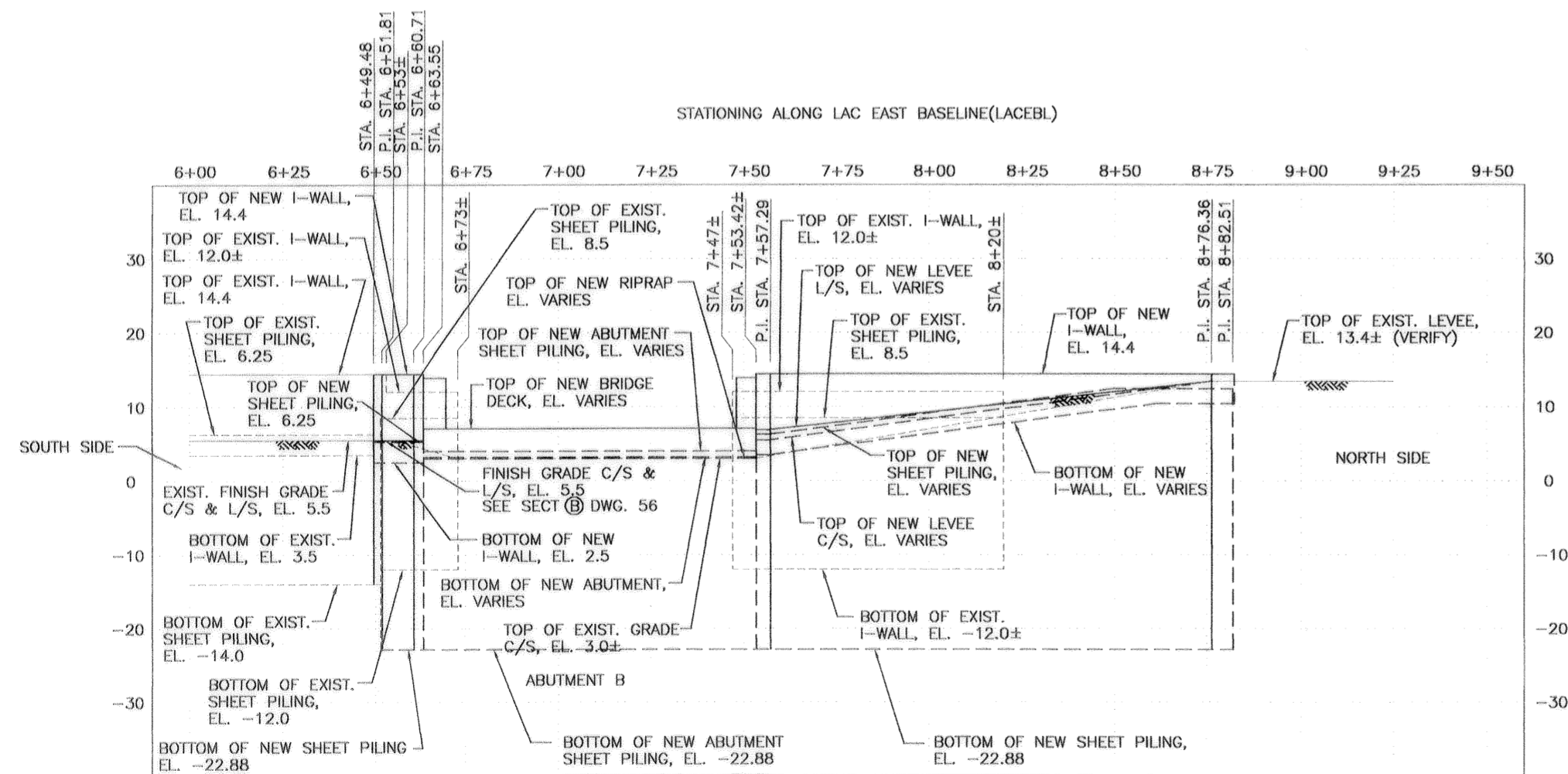
NOTE:
ALL ELEVATIONS ARE 1964 EPOCH
UNLESS OTHERWISE NOTED.

- NOTES:
- GIRDERS AND SLAB NOT SHOWN
 - OTHER THREE I-WALL/ABUTMENT JOINTS SIMILAR



DETAIL (A)

SCALE: 1"=2'

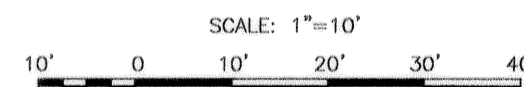
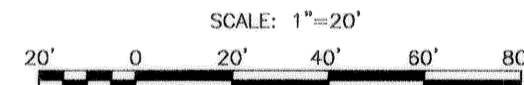


EAST PROFILE - LAND SIDE

SCALE: HOR. 1"=20'
VERT. 1"=10'

NOTE:
ALL ELEVATIONS ARE 1964 EPOCH
UNLESS OTHERWISE NOTED.

- LEGEND
- LAC LONDON AVENUE CANAL
 - L/S LAND SIDE
 - C/S CANAL SIDE



SYMBOL	DESCRIPTION	DATE	APPROVED

REVISIONS

U.S. ARMY ENGINEER DISTRICT, NEW ORLEANS
CORPS OF ENGINEERS
NEW ORLEANS, LOUISIANA

BOARD OF LEVEE COMMISSIONERS
ORLEANS LEVEE DISTRICT
NEW ORLEANS, LOUISIANA

LINHELD, HUNTER & JUNIUS, INC.
CONSULTING ENGINEERS AND ARCHITECTS
3500 North Causeway Blvd. Suite 200
Metairie, Louisiana 70002

LAKE PONTCHARTRAIN, LA. AND VICINITY
HIGH LEVEL PLAN
LONDON AVE. OUTFALL CANAL, PARALLEL PROTECTION
FLOODPROOFING OF
LEON C. SIMON BLVD. BRIDGE
ORLEANS PARISH, LOUISIANA

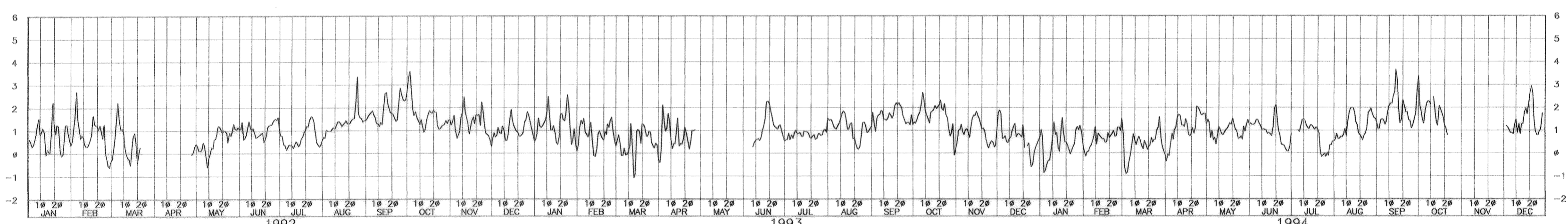
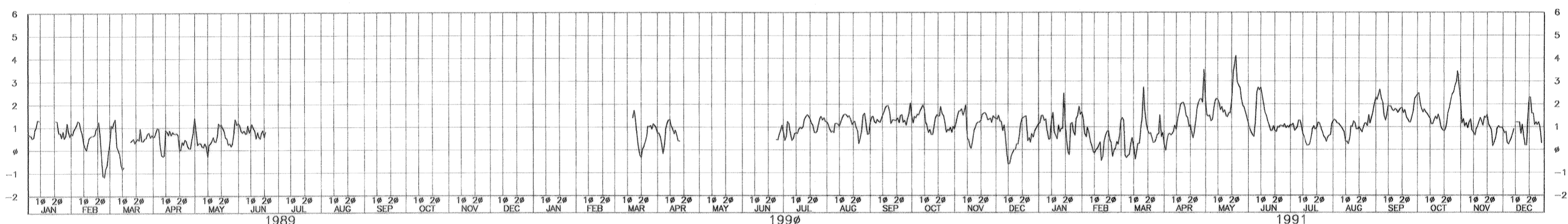
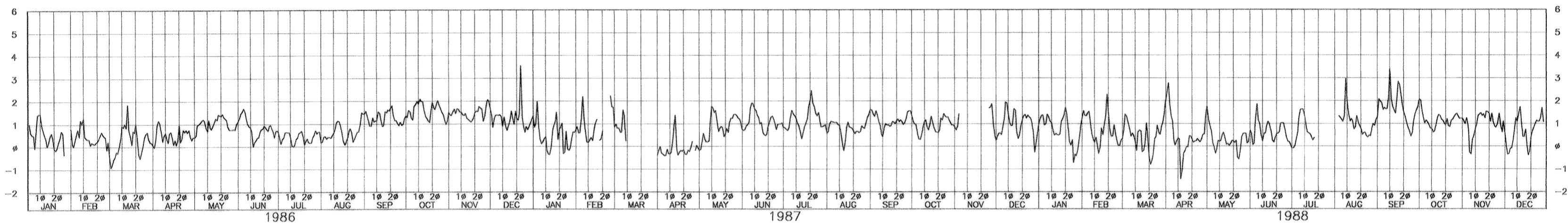
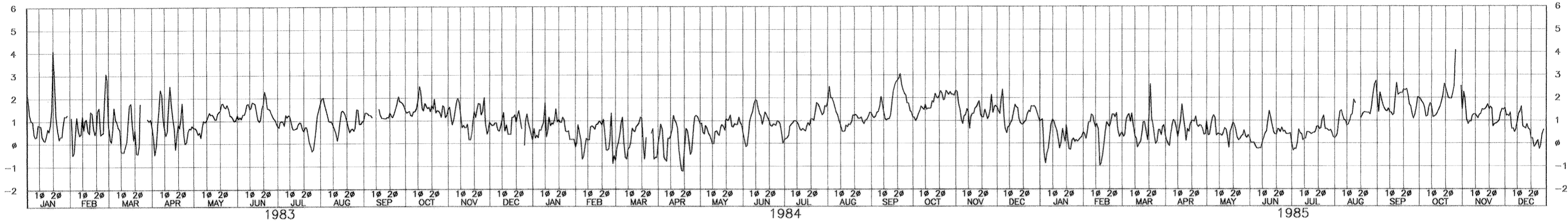
ABUTMENT AND I-WALL PROFILES

DESIGNED BY: REN	DATE: FEB. 1998	PILOT SCALE: 20	PILOT DATE: 2/20/98
DRAWN BY: WE	CADD FILE: 44732BLK.DGN	FILE NO.	H-4-44955
CHECKED BY: AFG	SOLICITATION NO.	DWG. NO.	60 OF 68
SUBMITTED BY: A. GOODSON DESIGN ENGINEER	DACW29-98-B-0065		



GAGE READINGS IN FT NGVD

GAGE READINGS IN FT NGVD



LOCATION:
 LAT. 30°01'45", LONG. 90°01'58" BARDID PLANT WHARF
 ON EAST BANK, 250 FEET SOUTH OF SEABROOK BRIDGE
 (STA. 7608006)

U.S. ARMY ENGINEER DISTRICT, NEW ORLEANS
 CORPS OF ENGINEERS
 NEW ORLEANS, LOUISIANA

BOARD OF LEVEE COMMISSIONERS
 ORLEANS LEVEE DISTRICT
 NEW ORLEANS, LOUISIANA

LINFIELD, HUNTER & JUNIUS, INC.
 CONSULTING ENGINEERS AND ARCHITECTS
 3500 North Causeway Blvd, Suite 200
 Metairie, Louisiana 70002

LAKE PONTCHARTRAIN, LA. AND VICINITY
 HIGH LEVEL PLAN
 LONDON AVE. OUTFALL CANAL, PARALLEL PROTECTION
 FLOODPROOFING OF
 LEON C. SIMON BLVD. BRIDGE
 ORLEANS PARISH, LOUISIANA
 STAGE HYDROGRAPHS
 I.H.N.C. NEAR SEABROOK BRIDGE
 N.O., LA.

DESIGNED BY:	DATE:	PLOT SCALE:	PLOT DATE:
DRAWN BY:	FEB. 1998	16	2/20/98
CHECKED BY:	CADD FILE: 44732BK.DGN	FILE NO.:	H-4-44955
SUBMITTED BY:	SOLICITATION NO.:	DATE:	DWG. 61 OF 68
A. GOODSON DESIGN ENGINEER	DACW29-98-B-0065		

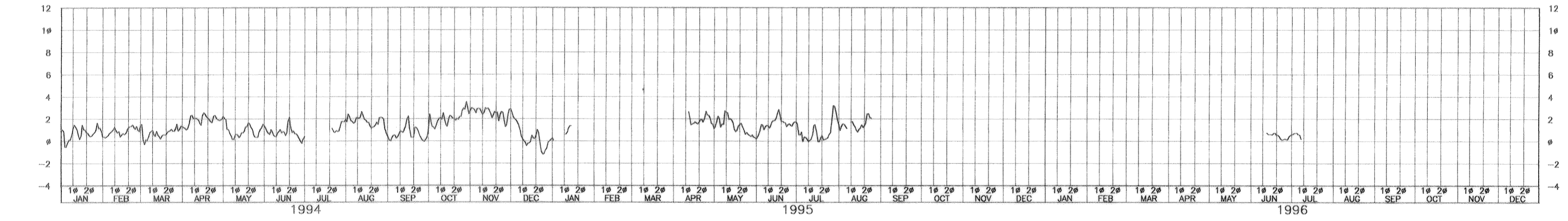
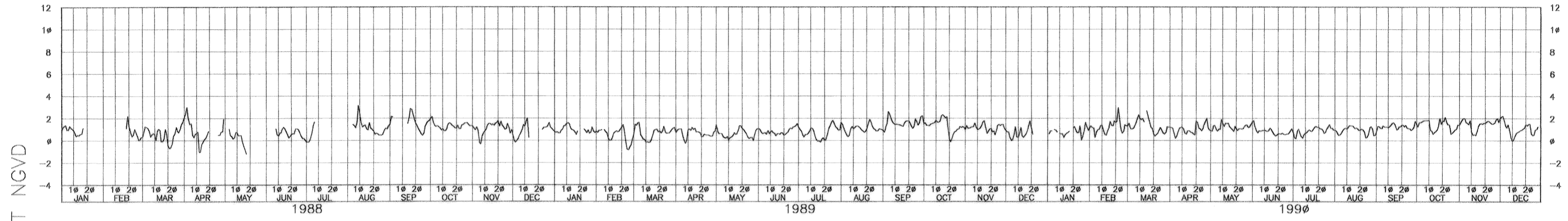
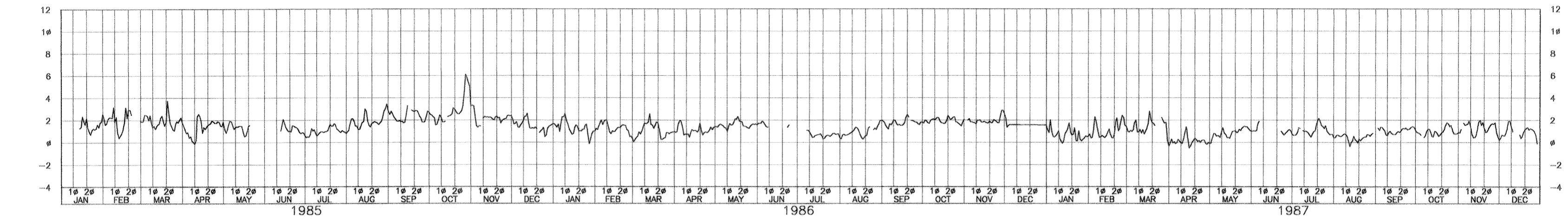
SYMBOL	DESCRIPTION	DATE	APPROVED

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 of Your Contract



AS BUILT







GAGE READINGS IN FT NGVD

GAGE READINGS IN FT NGVD

LOCATION:
 LAT. 30°01'18", LONG. 90°06'57" ON WEST
 END OF MUNICIPAL YACHT BUILDING IN WEST HARBOR.
 (STA. 8562506)

 U.S. ARMY ENGINEER DISTRICT, NEW ORLEANS
 CORPS OF ENGINEERS
 NEW ORLEANS, LOUISIANA

BOARD OF LEVEE COMMISSIONERS
 ORLEANS LEVEE DISTRICT
 NEW ORLEANS, LOUISIANA

 LINFIELD, HUNTER & JUNIUS, INC.
 CONSULTING ENGINEERS AND ARCHITECTS
 3500 North Causeway Blvd. Suite 200
 Metairie, Louisiana 70002

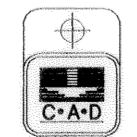
LAKE PONTCHARTRAIN, LA. AND VICINITY
 HIGH LEVEL PLAN
 LONDON AVE. OUTFALL CANAL, PARALLEL PROTECTION
 FLOODPROOFING OF
 LEON C. SIMON BLVD. BRIDGE
 ORLEANS PARISH, LOUISIANA
 STAGE HYDROGRAPH
 LAKE PONTCHARTRAIN AT WEST END, LA

DESIGNED BY:	DATE:	PLOT SCALE:	PLOT DATE:
DRAWN BY:	FEB. 1998	16	2/20/98
CHECKED BY:	CADD FILE: 447328L.K.DGN		FILE NO:
SUBMITTED BY:	SOLICITATION NO.		H-4-44955
A. GOODSON DESIGN ENGINEER	DACW29-98-B-0065		DWG. 62 OF 68

SYMBOL	DESCRIPTION	DATE	APPROVED
REVISIONS			



**Safety is a Part
of Your Contract**



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Safety is a Part
of Your Contract

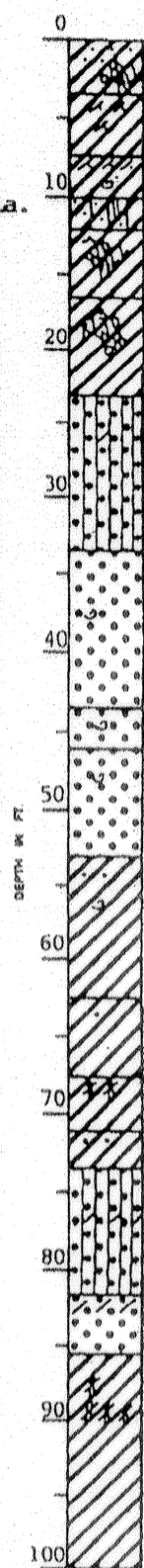
LOG OF BORING
EUSTIS ENGINEERING COMPANY
SOIL AND FOUNDATION CONSULTANTS
METAIRIE, LA

Sheet 1 of 2

Name of Project: London Avenue Canal, Levee and Floodwall Improvements
Orleans Levee Board Project No. 2049-0269, New Orleans, Louisiana
For: The Board of Levee Commissioners of the Orleans Levee District, New Orleans, La.
Burk & Associates, Inc., New Orleans, Louisiana

Boring No. 63 Soil Technician A. J. Mayeux Date 8 November 1985
Ground Elev. _____ Datum _____ Gr. Water Depth See Text

Sample No.	SAMPLE DEPTH - Feet		DEPTH STRATUM Feet		VISUAL CLASSIFICATION	STANDARD PENETRATION TEST	
	From	To	From	To			
1	2.0	2.5	0.0	3.5	Medium stiff tan & gray clay w/sand layers & pockets & organic matter (fill)		
2	5.0	5.5	3.5	7.5	Stiff gray clay w/clayey sand pockets & lenses		
3	8.0	8.5	7.5	10.0	Soft brown & gray clay w/dense clayey sand layers & few shell fragments		
4	11.0	11.5	10.0	12.0	Soft brown & gray silty clay w/fine sand & silt pockets & layers		
5	14.0	14.5	12.0	16.5	Medium stiff dark gray clay w/humus & wood (fill)		
6	19.0	19.5	16.5	23.0	Soft gray clay w/roots, wood & organic matter		
7	24.0	24.5	23.0		Medium dense gray silty sand w/clay lenses		
8	29.0	29.5		33.5	Ditto		
9	33.5	35.0	33.5		Medium dense gray sand w/shell fragments	3	17
10	36.0	37.5			Ditto	8	25
11	38.5	40.0			Ditto	3	19
12	41.0	42.5		43.5	Ditto	3	15
13	43.5	43.0	43.5	46.0	Dense gray sand w/shell fragments	5	32
14	48.5	50.0	46.0	53.0	Medium dense gray sand w/shell fragments	5	16
15	53.5	55.0	53.0		Medium stiff gray clay w/fine sand pockets & shell fragments	1	4
16	59.0	59.5		62.5	Ditto		
17	64.0	64.5	62.5	67.5	Stiff greenish-gray clay w/trace of sand		
18	69.0	69.5	67.5	71.0	Stiff greenish-gray & tan clay w/clayey silt pockets		
19	73.0	73.5	71.0	73.5	Very stiff tan & gray clay w/sand pockets		
20	73.5	75.0	73.5		Dense tan silty sand w/clay layers	6	36
21	78.5	80.0		81.5	Ditto	6	33
22	83.5	85.0	81.5	85.5	Medium dense tan & gray sand w/clay layers	5	14
23	89.0	89.5	85.5		Medium stiff gray clay w/clayey silt lenses & layers		
24	94.0	94.5			Ditto		
25	99.0	99.5	100.0		Ditto		

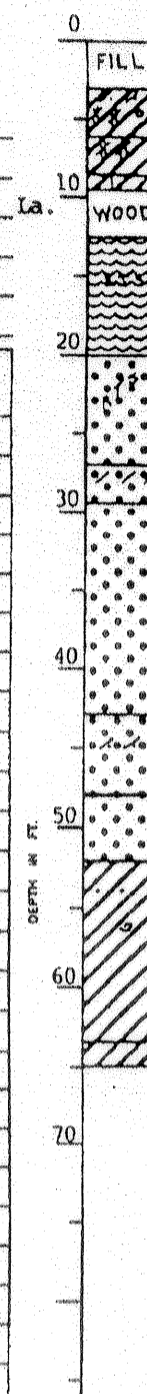


LOG OF BORING
EUSTIS ENGINEERING COMPANY
SOIL AND FOUNDATION CONSULTANTS
METAIRIE, LA

Name of Project: London Avenue Canal, Levee and Floodwall Improvements
Orleans Levee Board Project No. 2049-0269, New Orleans, Louisiana
For: The Board of Levee Commissioners of the Orleans Levee District, New Orleans, La.
Burk & Associates, Inc., New Orleans, Louisiana

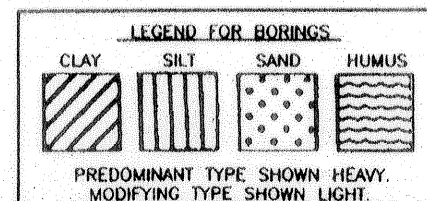
Boring No. 29 Soil Technician George Hardee Date 22 October 1985
Ground Elev. _____ Datum _____ Gr. Water Depth See Text

Sample No.	SAMPLE DEPTH - Feet		DEPTH STRATUM Feet		VISUAL CLASSIFICATION	STANDARD PENETRATION TEST	
	From	To	From	To			
			0.0	3.0	Compact miscellaneous fill (shells, clay, sand & cement)		
1	4.5	5.5	3.0	6.0	Very stiff brown & gray clay w/clayey sand, clayey silt pockets & gravel		
2	8.0	8.5	6.0	8.5	Stiff tan & gray clay w/clayey silt pockets		
3	9.0	9.5	8.5	9.5	Soft gray clay w/silt lenses		
			9.5	12.5	Wood		
4	15.0	16.0	12.5		Loose brown humus w/roots		
5	19.5	20.0		20.0	Ditto		
6	24.0	24.5	20.0		Loose gray fine sand w/roots		
7	25.0	26.5		27.0	Loose gray fine sand	3	7
8	27.5	29.0	27.0	29.5	Very loose gray fine sand w/clay layers	2	2
9	30.0	31.5	29.5		Medium dense gray fine sand	3	13
10	33.5	35.0			Ditto	2	14
11	38.5	40.0		43.0	Ditto	7	21
12	43.5	45.0	43.0		Very loose gray fine sand w/clayey sand pockets	2	2
13	47.0	48.0		48.0	Very loose gray fine sand		
14	48.5	50.0	48.0	52.0	Medium dense gray fine sand	7	23
15	53.5	55.0	52.0		Medium stiff gray clay w/sand pockets & shells	1	3
16	58.5	59.5		63.5	Ditto		
17	63.5	64.5	63.5	65.0	Stiff gray silty clay		

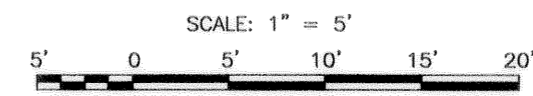
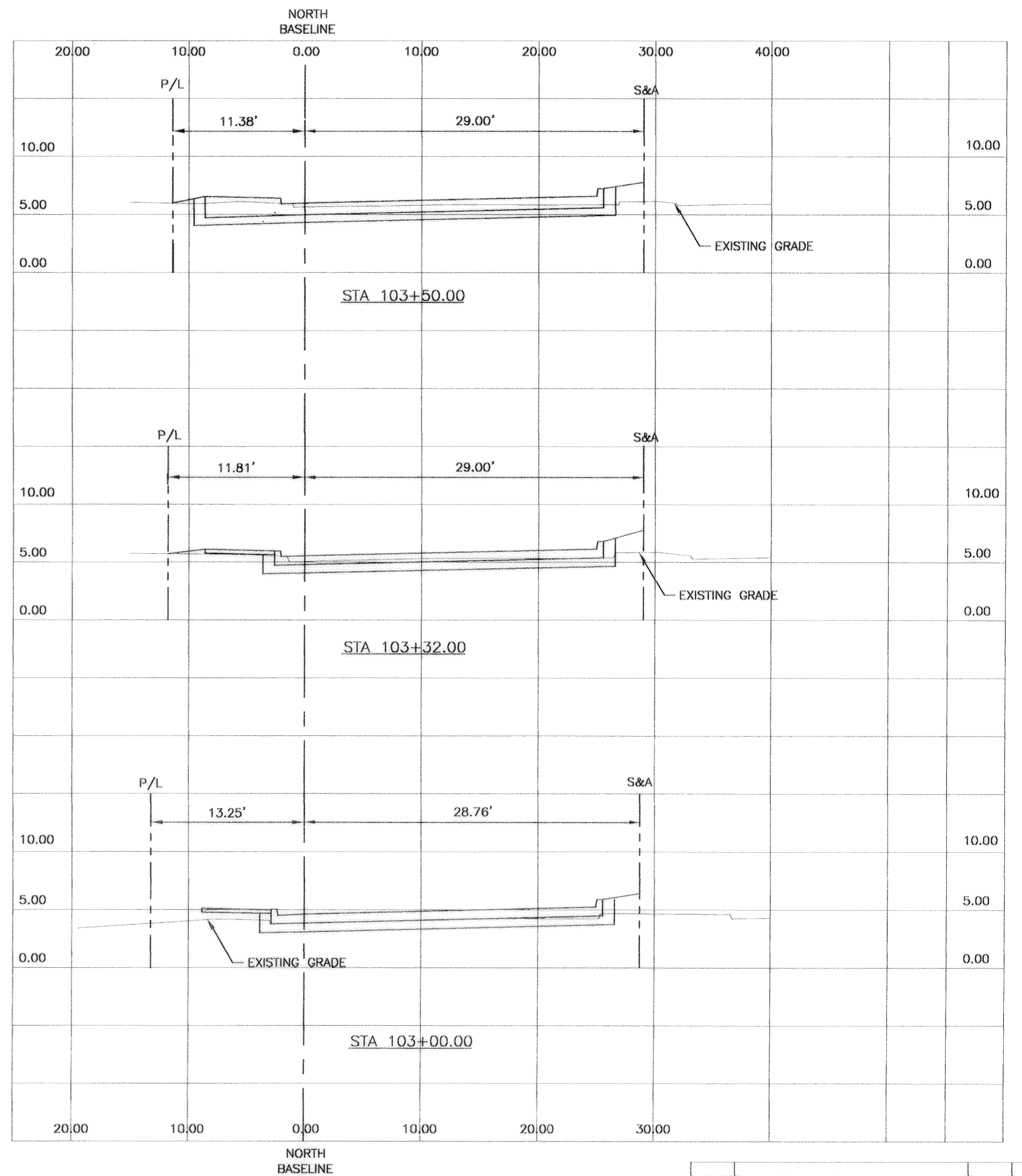
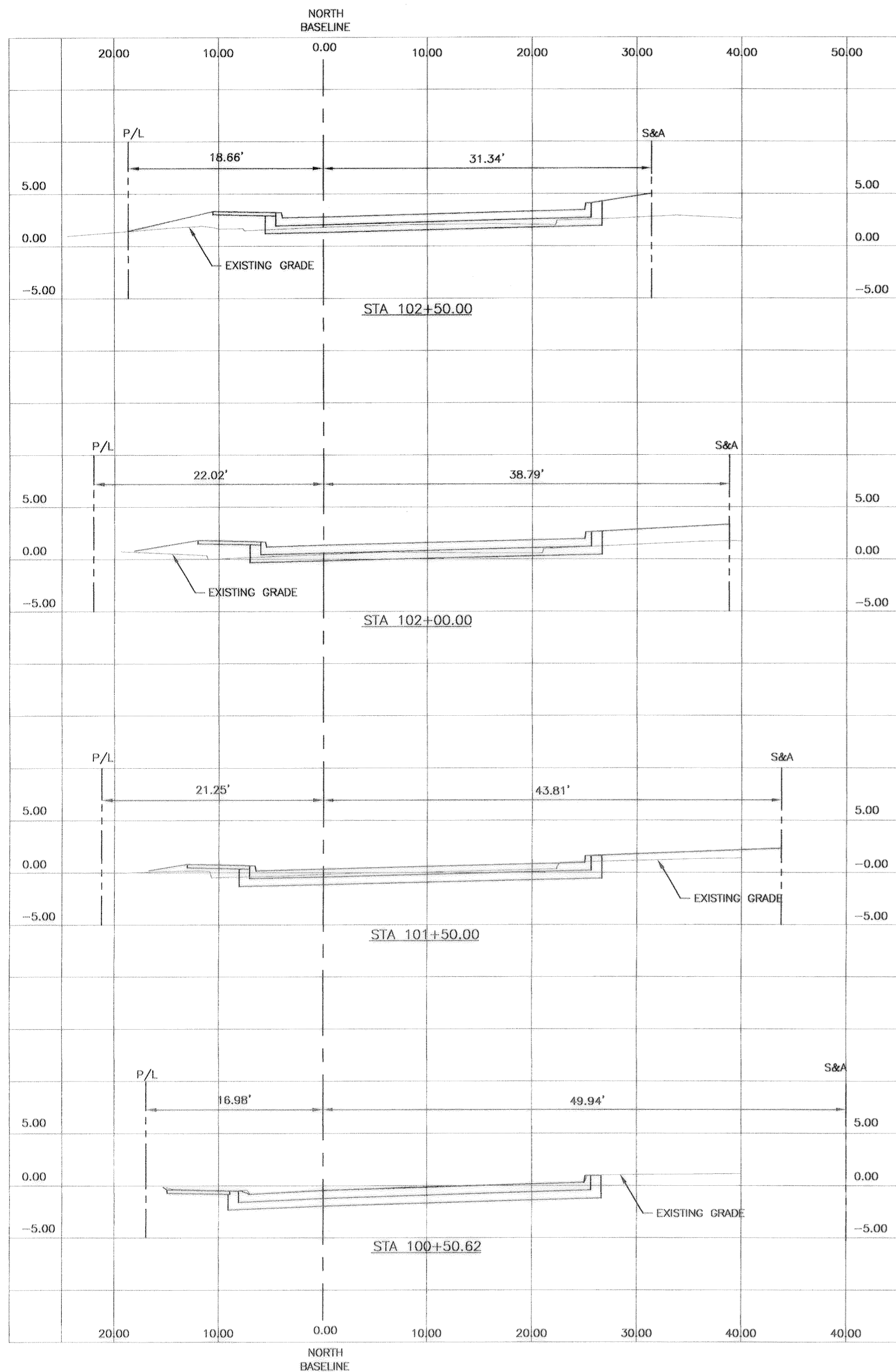


NOTES:

- ±STANDARD PENETRATION TEST
*NUMBER IN FIRST COLUMN INDICATES NUMBER OF BLOWS OF 140-LB HAMMER DROPPED 30 IN. REQUIRED TO SEAT 2-IN. O.D. SPLITSPOON SAMPLER 6 IN. NUMBER IN SECOND COLUMN INDICATES NUMBER OF BLOWS OF 140-LB HAMMER DROPPED 30 IN. REQUIRED TO DRIVE 2-IN. O.D. SPLITSPOON SAMPLER 1 FT. AFTER SEATING 6 IN.
- FOR EUSTIS ENGINEERING BORINGS FURTHER INFORMATION IS AVAILABLE IN EUSTIS ENGINEERING APPENDICES DESIGN MEMORANDUM No. 19A GENERAL DESIGN DATED JANUARY 1989 LONDON AVE. OUTFALL CANAL ORLEANS PARISH VOLUME II DEPARTMENT OF THE ARMY.
- WHILE THESE LOGS OF BORING ARE CONSIDERED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT ITS RESPECTIVE LOCATION ON THE DATE SHOWN, IT IS NOT WARRANTED THAT IT IS REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.
- SEE DWG. 30 FOR BORING LOCATIONS.



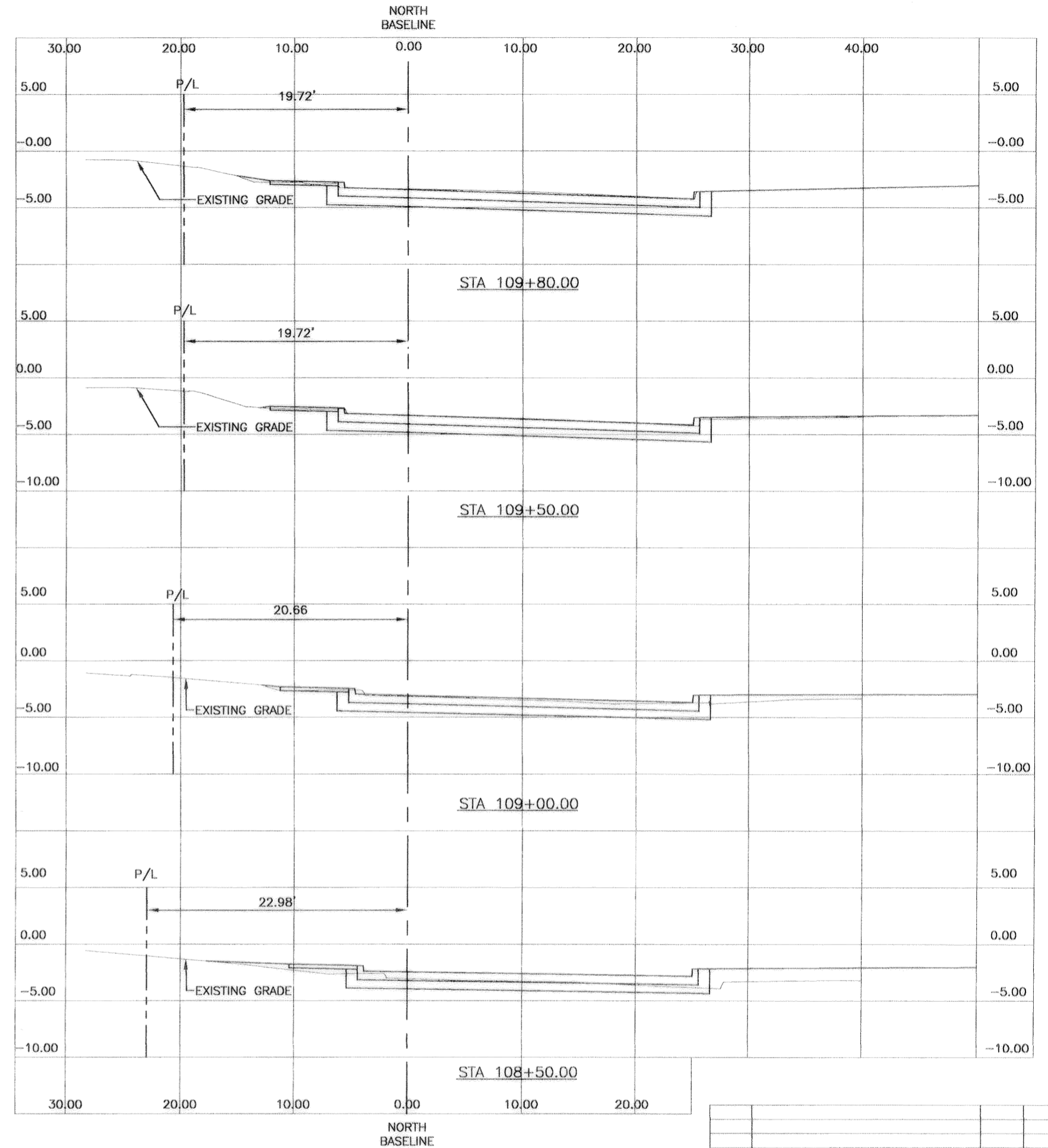
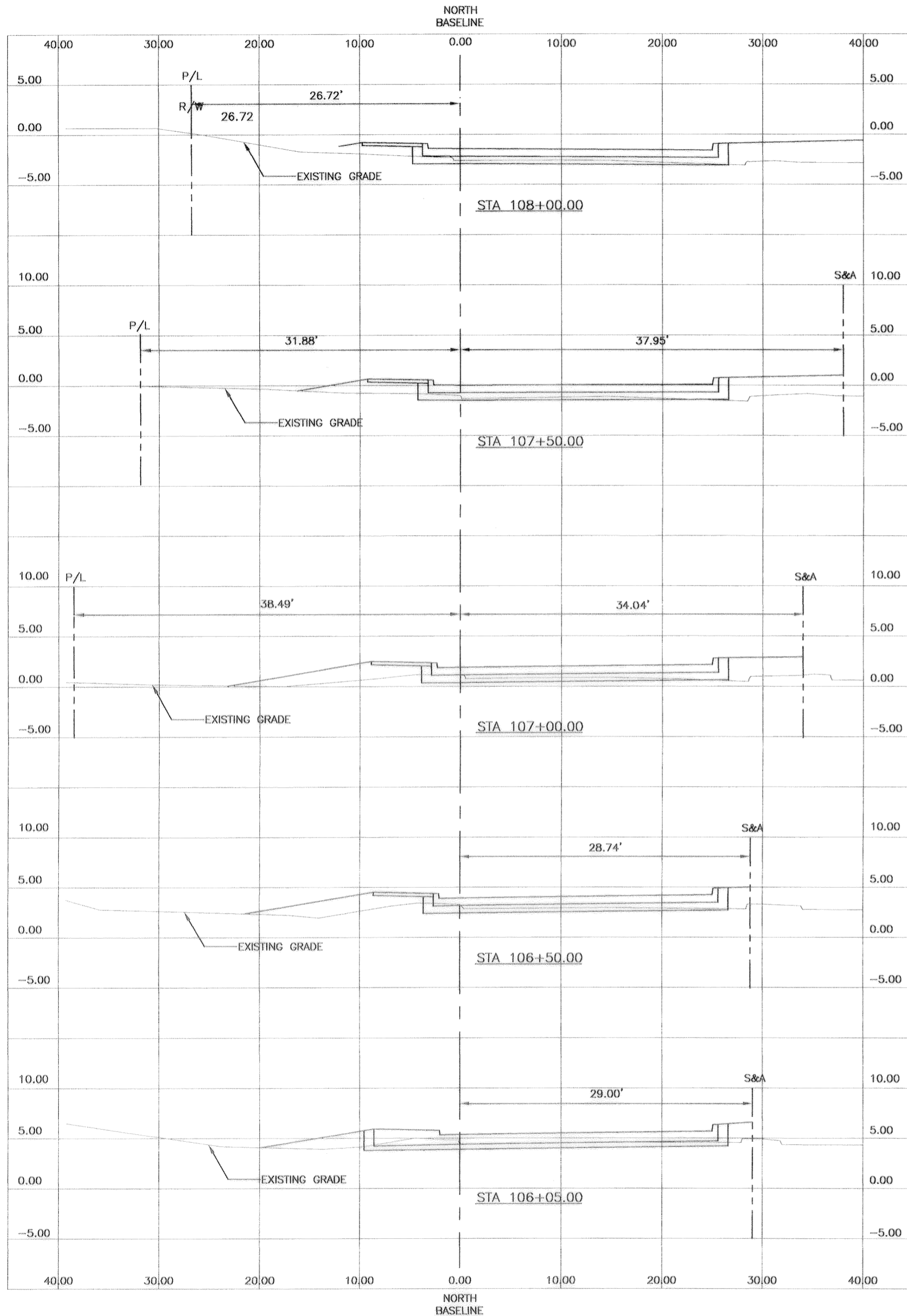
SYMBOL	DESCRIPTION	DATE	APPROVED
U.S. ARMY ENGINEER DISTRICT, NEW ORLEANS CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA			
BOARD OF LEVEE COMMISSIONERS ORLEANS LEVEE DISTRICT NEW ORLEANS, LOUISIANA		LINFIELD, HUNTER & JUNIUS, INC. CONSULTING ENGINEERS AND ARCHITECTS 3500 North Causeway Blvd. Suite 200 Metairie, Louisiana 70002	
LAKE PONTCHARTRAIN, LA. AND VICINITY HIGH LEVEL PLAN LONDON AVE. OUTFALL CANAL, PARALLEL PROTECTION FLOODPROOFING OF LEON C. SIMON BLVD. BRIDGE ORLEANS PARISH, LOUISIANA			
BORING LOGS			
DESIGNED BY: PWB	DATE: FEB. 1998	PLOT SCALE: 1	PLOT DATE: 2/20/98
DRAWN BY: RKP	CADD FILE: 44732BLK.DGN	FILE NO. H-4-44955	
CHECKED BY: AFG	SUBMITTED BY: A. GOODSON DESIGN ENGINEER	SOLICITATION NO. DACW29-98-B-0106	DWG. 63 OF 68



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SYMBOL	DESCRIPTION	DATE	APPROVED
REVISIONS			
U.S. ARMY ENGINEER DISTRICT, NEW ORLEANS CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA			
BOARD OF LEVEE COMMISSIONERS ORLEANS LEVEE DISTRICT NEW ORLEANS, LOUISIANA		LINFIELD, HUNTER & JUNIUS, INC. CONSULTING ENGINEERS AND ARCHITECTS 3300 North Causeway Blvd. Suite 200 Metairie, Louisiana 70002	
LAKE PONTCHARTRAIN, LA. AND VICINITY HIGH LEVEL PLAN LONDON AVE. OUTFALL CANAL, PARALLEL PROTECTION FLOODPROOFING OF LEON C. SIMON BLVD. BRIDGE ORLEANS PARISH, LOUISIANA CROSS SECTIONS			
DESIGNED BY: M.K.A.	DATE: FEB. 1998	PLOT SCALE: 1	PLOT DATE: 2/20/98
DRAWN BY: T.F.B.	CHECKED BY: S.J.G.	CADD FILE: 44732BLK.DGN	FILE NO. H-4-44955
SUBMITTED BY: A. GOODGION DESIGN ENGINEER	SOLICITATION NO. DACW29-98-B-0085	DWG. 64 OF 68	

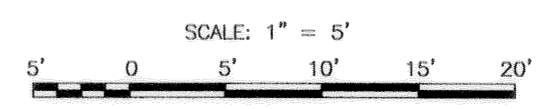
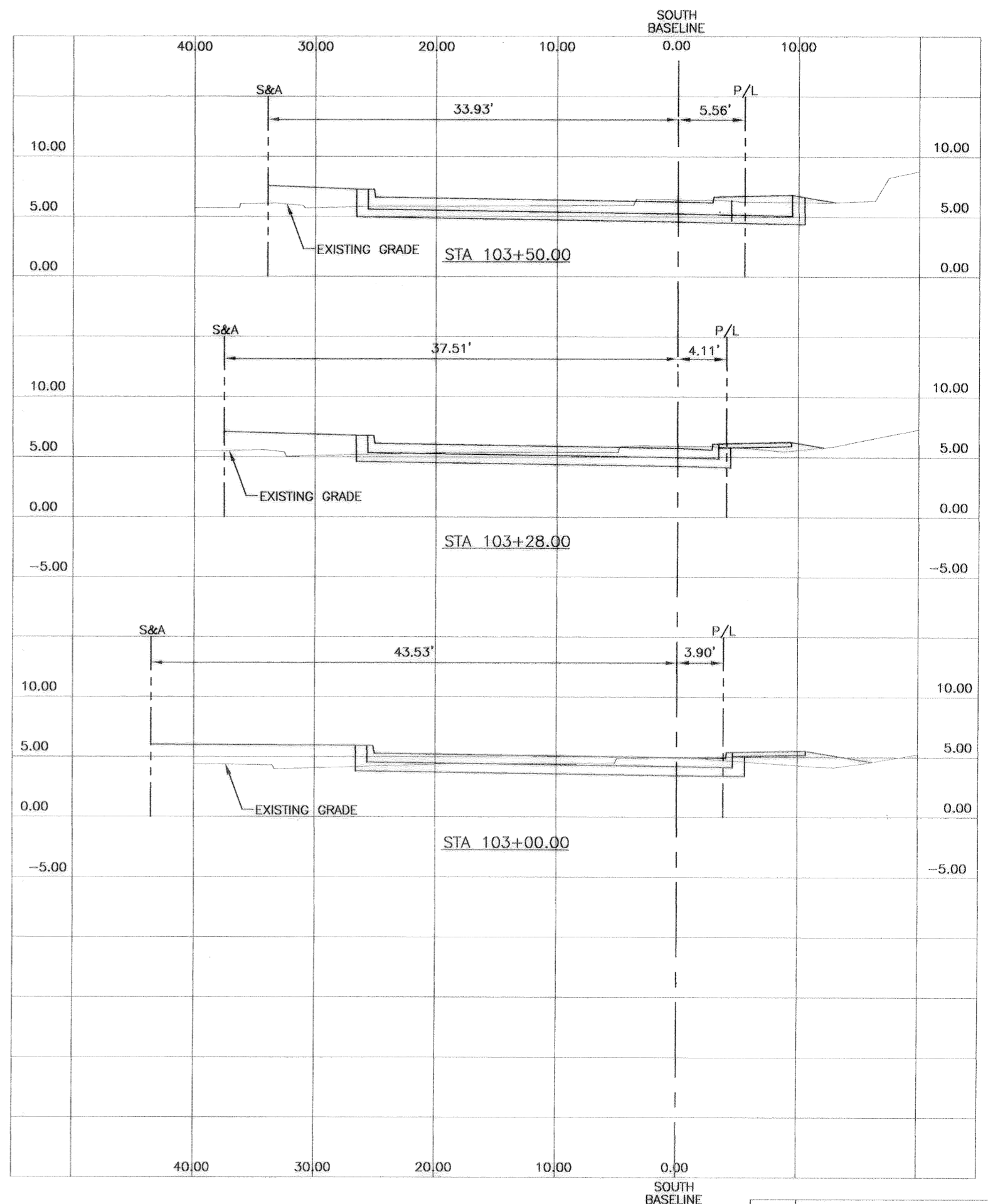
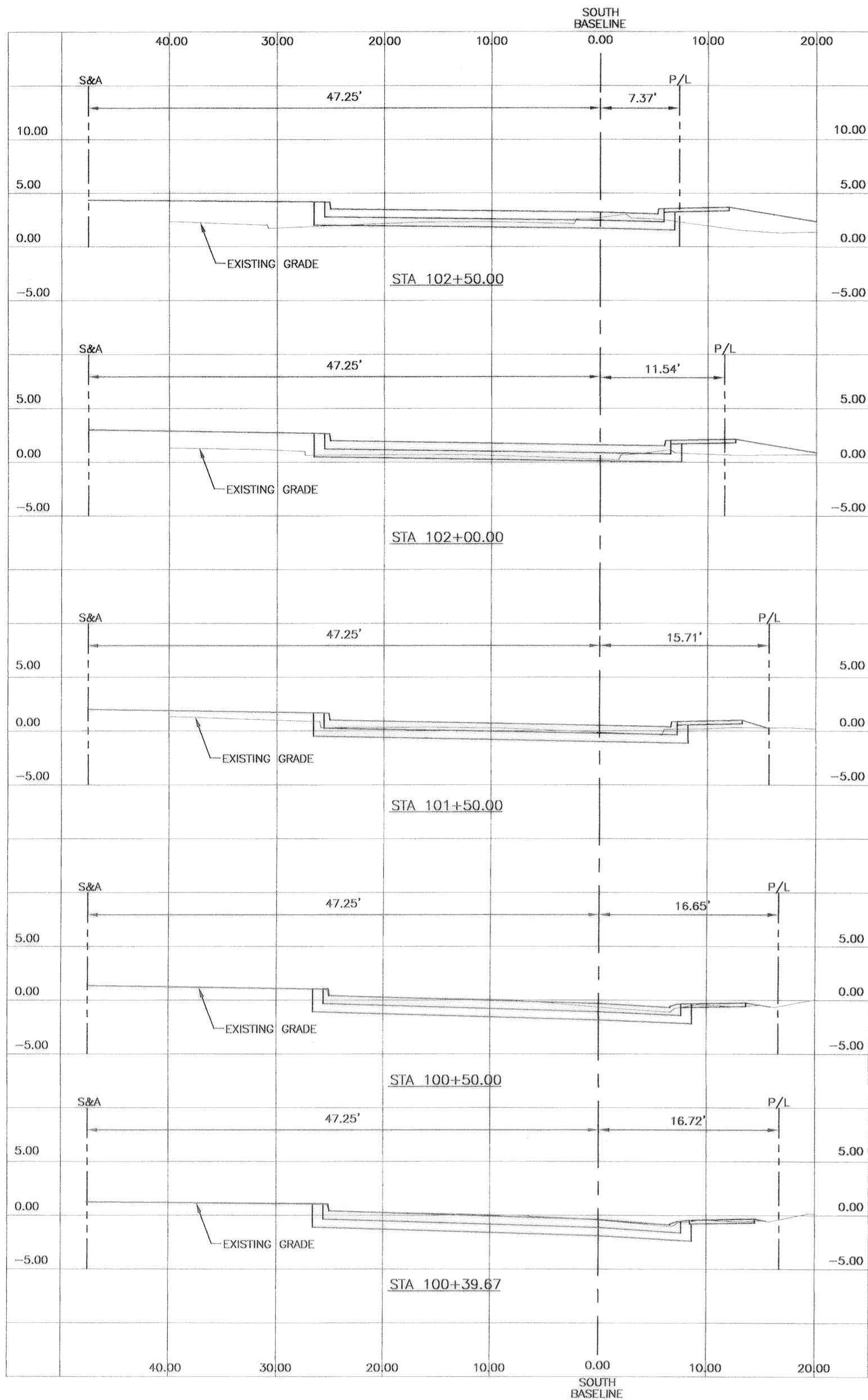


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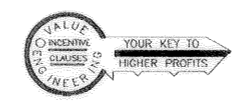


SYMBOL	DESCRIPTION	DATE	APPROVED
REVISIONS			
U.S. ARMY ENGINEER DISTRICT, NEW ORLEANS CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA			
<small>BOARD OF LEVEE COMMISSIONERS ORLEANS LEVEE DISTRICT NEW ORLEANS, LOUISIANA</small>		<small>LINFIELD, HUNTER & JUNOS, INC. CONSULTING ENGINEERS AND ARCHITECTS 3500 North Causeway Blvd., Suite 200 Metairie, Louisiana 70002</small>	
LAKE PONTCHARTRAIN, LA. AND VICINITY HIGH LEVEL PLAN LONDON AVE. OUTFALL CANAL, PARALLEL PROTECTION FLOODPROOFING OF LEON C. SIMON BLVD. BRIDGE ORLEANS PARISH, LOUISIANA CROSS SECTIONS			
DESIGNED BY: M.K.A.	DATE: FEB. 1998	PLOT SCALE: 1	PLOT DATE: 2/20/98
DRAWN BY: T.F.B.	CADD FILE: 44732BLK.DGN	FILE NO. H-4-44955	
CHECKED BY:	SUBMITTED BY:	SOLICITATION NO. DACW29-98-B-0065	DWG. 65 OF 68
A. GOODSON DESIGN ENGINEER			

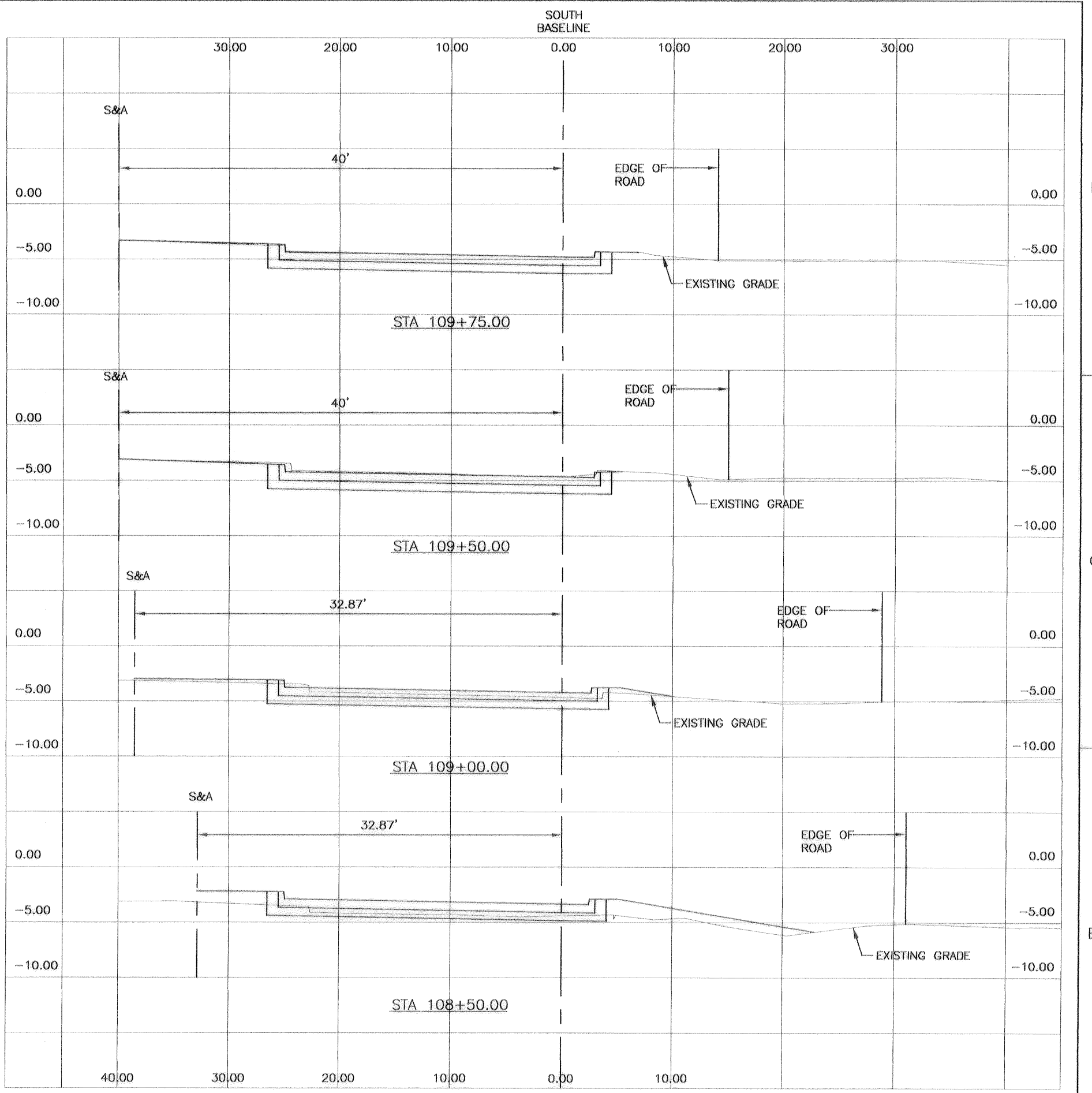
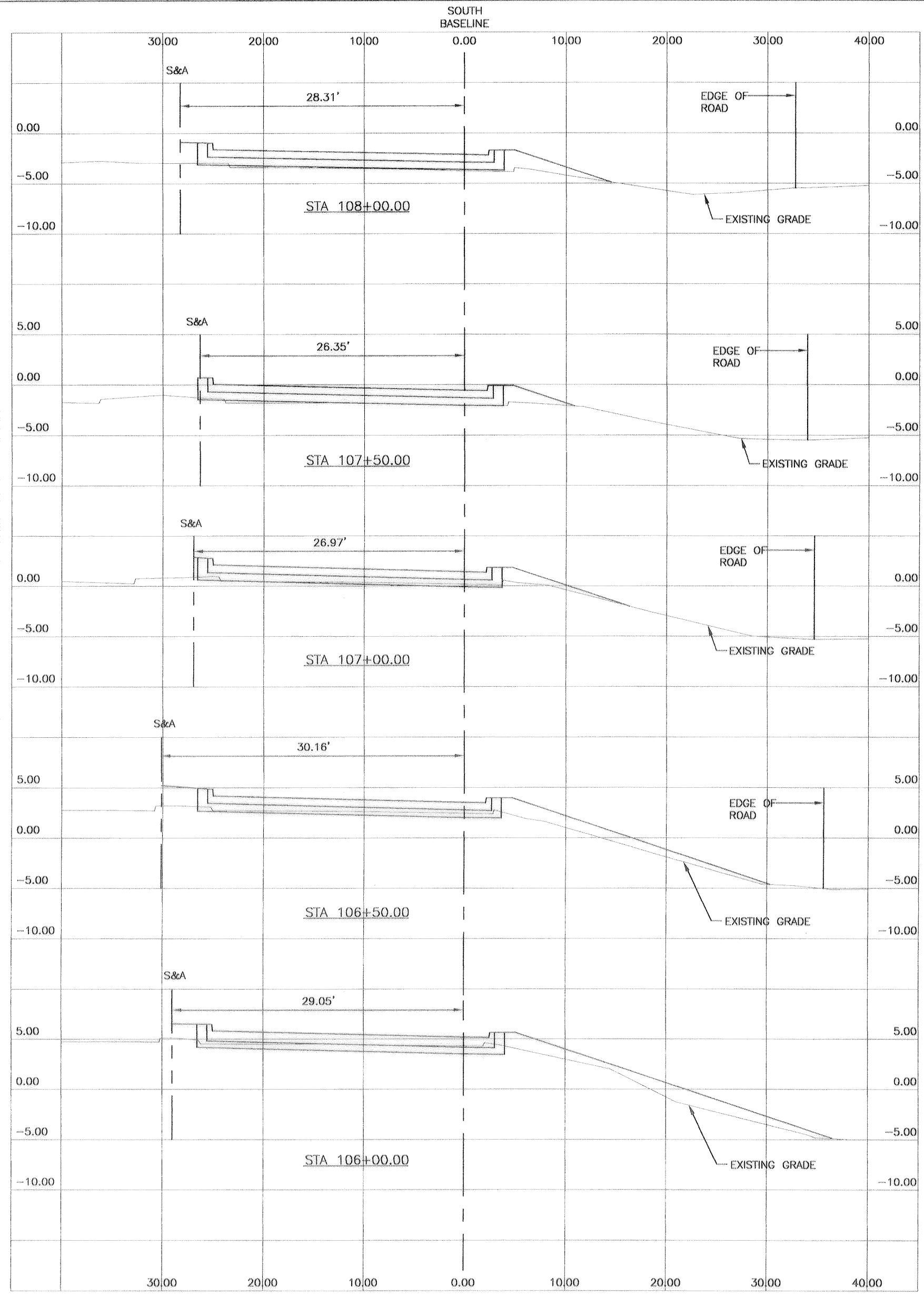


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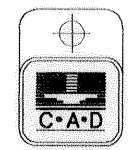



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REVISIONS			
U.S. ARMY ENGINEER DISTRICT, NEW ORLEANS CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA			
BOARD OF LEVEE COMMISSIONERS ORLEANS LEVEE DISTRICT NEW ORLEANS, LOUISIANA		LINFIELD, HUNTER & JUNIUS, INC. CONSULTING ENGINEERS AND ARCHITECTS 3500 North Causeway Blvd., Suite 200 Metairie, Louisiana 70002	
LAKE PONTCHARTRAIN, LA. AND VICINITY HIGH LEVEL PLAN LONDON AVE. OUTFALL CANAL, PARALLEL PROTECTION FLOODPROOFING OF LEON C. SIMON BLVD. BRIDGE ORLEANS PARISH, LOUISIANA			
CROSS SECTIONS			
DESIGNED BY: M.K.A.	DATE: FEB. 1998	PLOT SCALE: 1	PLOT DATE: 2/20/98
DRAWN BY: T.F.B.	CADD FILE: 44732BLK.DGN		FILE NO. H-4-44955
CHECKED BY: S.J.G.	SOLICITATION NO. DACW29-98-B-0065		DWG. 66 OF 68
SUBMITTED BY: A. GOODSON DESIGN ENGINEER			



AS BUILT

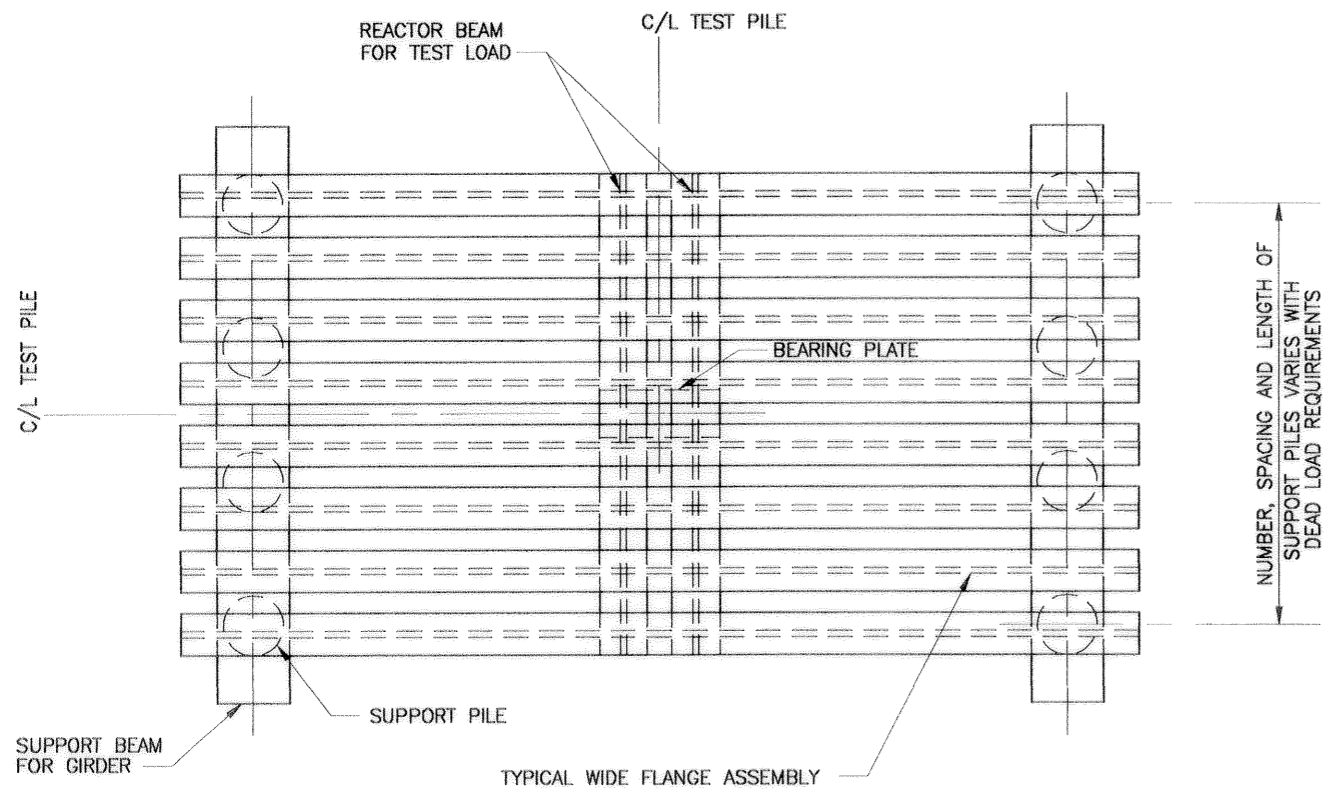
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REVISIONS			
 U.S. ARMY ENGINEER DISTRICT, NEW ORLEANS CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA			
BOARD OF LEVEE COMMISSIONERS ORLEANS LEVEE DISTRICT NEW ORLEANS, LOUISIANA			
LAKE PONTCHARTRAIN, LA. AND VICINITY HIGH LEVEL PLAN LONDON AVE. OUTFALL CANAL, PARALLEL PROTECTION FLOODPROOFING OF LEON C. SIMON BLVD. BRIDGE ORLEANS PARISH, LOUISIANA			
CROSS SECTIONS			
DESIGNED BY: M.K.A.	DATE: FEB. 1998	PLOT SCALE: 1	PLOT DATE: 2/20/98
DRAWN BY: T.F.B.	CADD FILE: 44732BLK.DGN	FILE NO. H-4-44955	
CHECKED BY:	SOLICITATION NO. DACW29-98-B-0065	DWG. 67	OF 68
SUBMITTED BY: A. GOODSON DESIGN ENGINEER			

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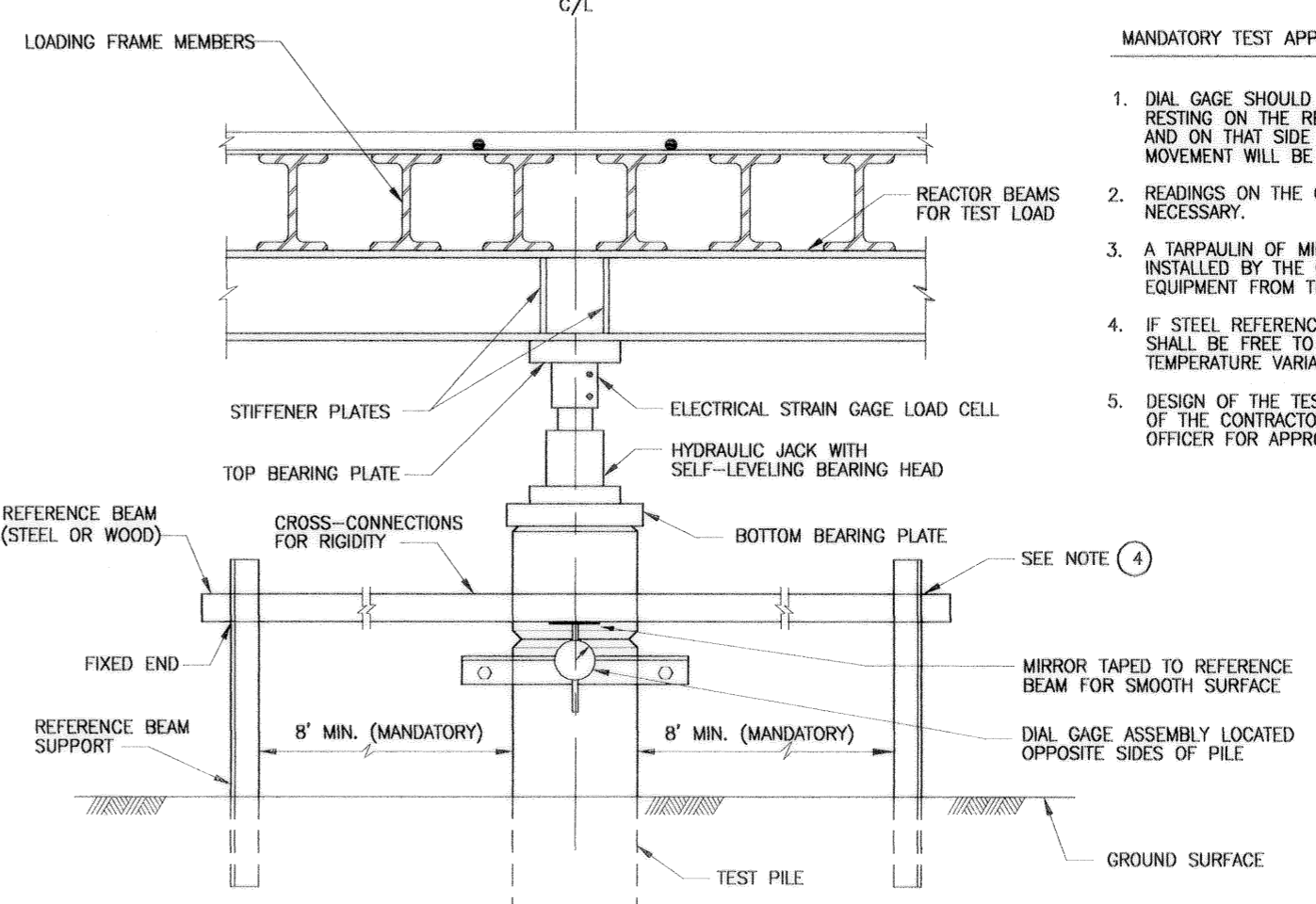
AS BUILT



PLAN

MANDATORY LOADING FRAME NOTES:

- LOADING FRAME SHOWN WITHOUT DEAD LOAD.
- CONTRACTOR TO PROVIDE PILE LAYOUT FOR EACH PARTICULAR DEAD LOAD TEST.
- SECURE DEAD WEIGHT LOAD TO LOADING FRAME WITH CHAINS AND BINDERS.
- DESIGN OF THE LOADING FRAME IS THE RESPONSIBILITY OF THE CONTRACTOR AND MUST BE SUBMITTED TO THE CONTRACTING OFFICER FOR APPROVAL.



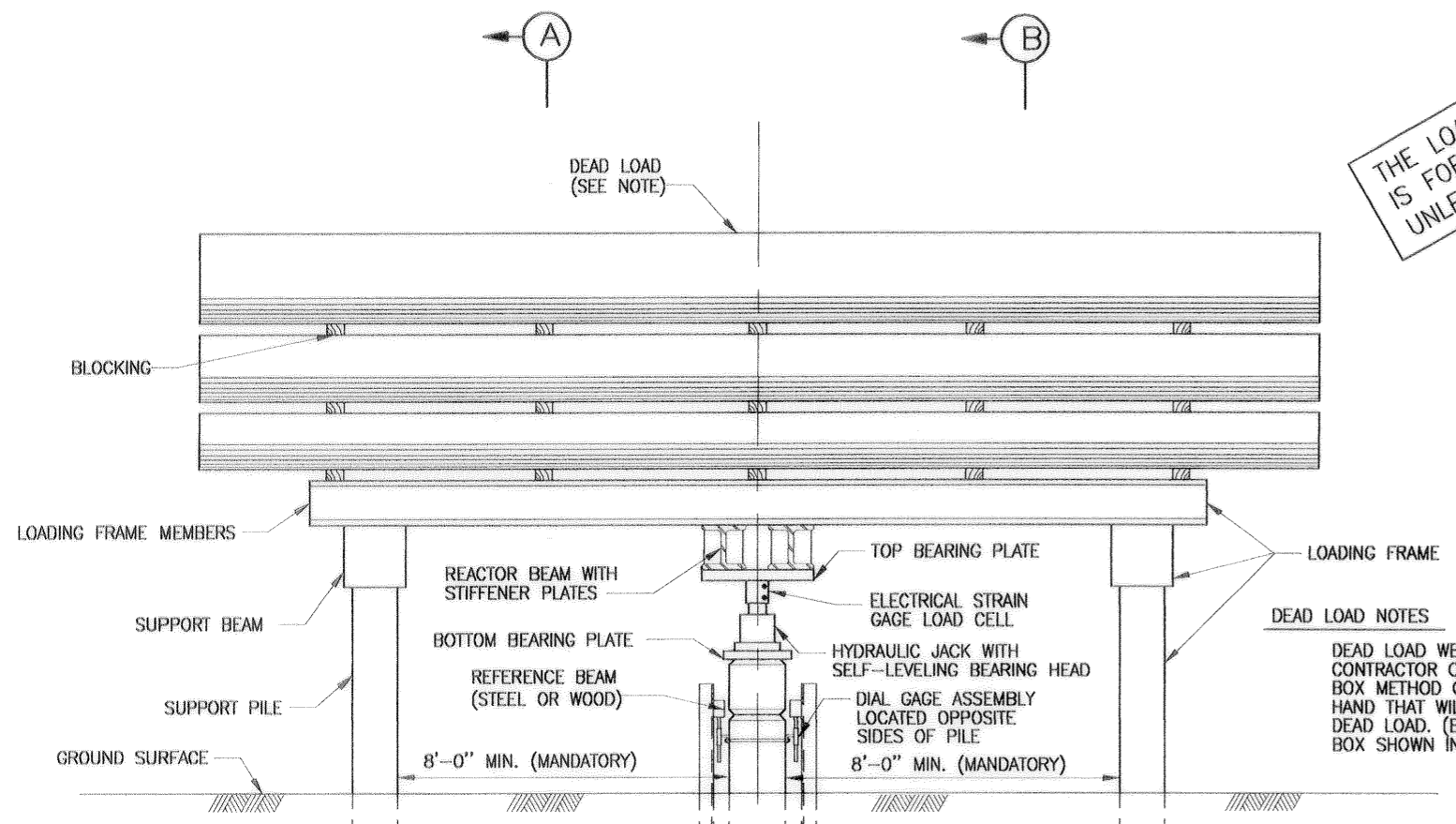
SECTION B
TEST APPARATUS
SCALE: 1" = 1'-0"

MANDATORY TEST APPARATUS NOTES:

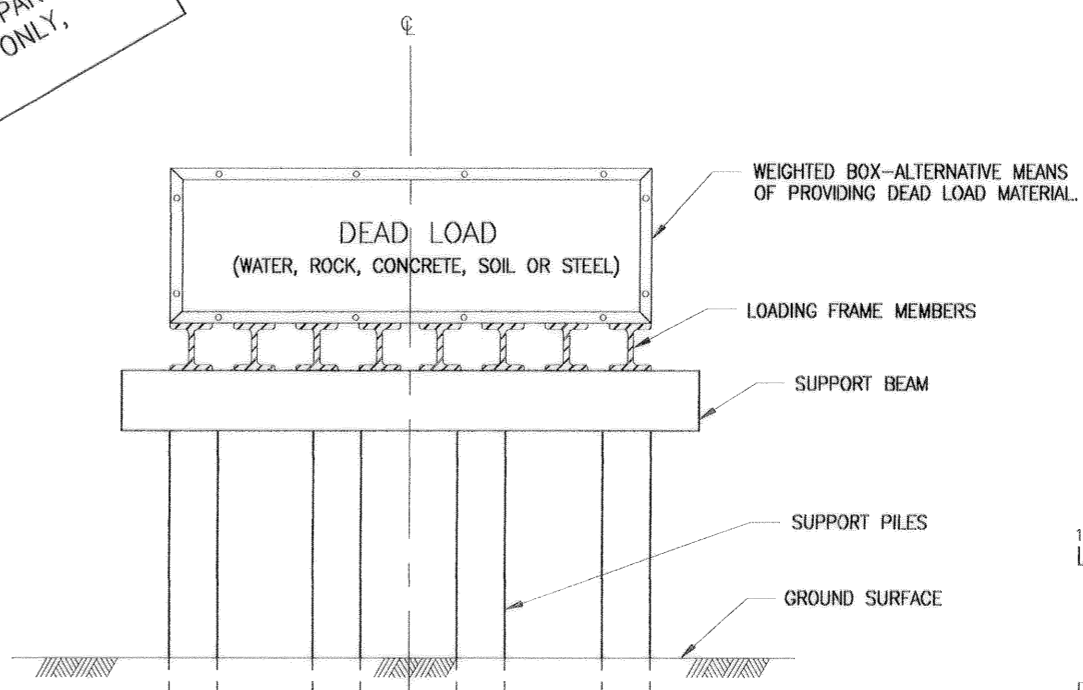
- DIAL GAGE SHOULD BE ATTACHED TO THE PILE WITH THE STEM RESTING ON THE REFERENCE BEAM IN THE COMPRESSED POSITION AND ON THAT SIDE OF THE REFERENCE BEAM WHERE THE MOVEMENT WILL BE AWAY FROM THE BEAM.
- READINGS ON THE OPPOSITE SIDES OF THE PILE ARE NECESSARY.
- A TARPULIN OF MINIMUM DIMENSION 12' X 12' SHALL BE INSTALLED BY THE CONTRACTOR TO PROTECT THE MEASURING EQUIPMENT FROM THE DIRECT EFFECTS OF THE WEATHER.
- IF STEEL REFERENCE BEAMS ARE USED, ONE END OF EACH BEAM SHALL BE FREE TO MOVE AS THE LENGTH OF BEAMS CHANGE WITH TEMPERATURE VARIATIONS.
- DESIGN OF THE TEST APPARATUS PILE SETUP IS THE RESPONSIBILITY OF THE CONTRACTOR AND MUST BE SUBMITTED TO THE CONTRACTING OFFICER FOR APPROVAL.

NOTES:
THE CONTRACTOR HAS THE OPTION OF USING REACTION PILES IN LIEU OF THE LOADING FRAME. (SEE SPECIFICATIONS)

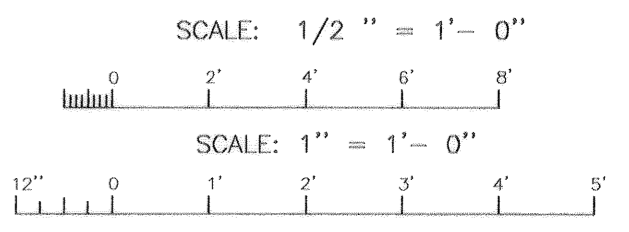
THE LOADING FRAME AND TEST APPARATUS IS FOR ILLUSTRATION PURPOSES ONLY, UNLESS OTHERWISE NOTED.



ELEVATION
LOADING FRAME
SCALE: 1/2" = 1'-0"



SECTION A
SCALE: 1/2" = 1'-0"



DEAD LOAD NOTES

DEAD LOAD WEIGHT OPTIONAL. CONTRACTOR CAN USE WEIGHTED BOX METHOD OR MATERIAL ON HAND THAT WILL RESULT IN REQUIRED DEAD LOAD. (EXAMPLE OF WEIGHTED BOX SHOWN IN SECTION A)

PILE TEST REQUIREMENTS:	
TP1 - HP14x73 LOCATION : STA. 102+25 (LEON C. SIMON BLVD. NORTH B/L), 40' LT. TIP EL.: -90 N.G.V.D. DESIGN LOAD: 72T	TP3 - 30" PIPE PILE LOCATION : STA. 102+25 (LEON C. SIMON BLVD. NORTH B/L), 70' LT. TIP EL.: -90 N.G.V.D. DESIGN LOAD: 117T
TP2 - HP14x73 LOCATION : STA. 102+25 (LEON C. SIMON BLVD. NORTH B/L), 55' LT. TIP EL.: -100 N.G.V.D. DESIGN LOAD: 72T	

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BOARD OF LEVEE COMMISSIONERS ORLEANS LEVEE DISTRICT NEW ORLEANS, LOUISIANA		LINFIELD, HUNTER & JUNIUS, INC. CONSULTING ENGINEERS AND ARCHITECTS 2500 North Causeway Blvd, Suite 200 Metairie, Louisiana 70002	
LAKE PONTCHARTRAIN, LA. AND VICINITY HIGH LEVEL PLAN LONDON AVE. OUTFALL CANAL, PARALLEL PROTECTION FLOODPROOFING OF LEON C. SIMON BLVD. BRIDGE ORLEANS PARISH, LOUISIANA			
COMPRESSION PILE TEST			
DESIGNED BY: SGJ	DATE: FEB. 1998	PLOT SCALE: 1	PLOT DATE: 2/20/98
DRAWN BY: CMB	CHECKED BY: SGJ	CADD FILE: 44732BK.DGN	FILE NO. H-4-44955
SUBMITTED BY: A. GODDIGN DESIGN ENGINEER	SOLICITATION NO. DACW29-98-B-0065	DWG. 68 OF 68	



