

ABBREVIATIONS

AC	ASPHALTIC CONCRETE	MAX	MAXIMUM
AGCP	AGGREGATE	MM	MINIMUM
APPX	APPROXIMATELY	MON	MONUMENT
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS		
AVG	AVERAGE	N	NORTH
BC	BEGIN CURVE	N/C	NOT IN CONTRACT
BDP	BUILDING	N/S	NOT TO SCALE
BLOC	BUILDING		
BM	BENCH MARK	OC	ON CENTER
BOP	BOTTOM OF PIPE	OD	OUTSIDE DIAMETER
BRG	BEARING		
BVC	BEGIN VERTICAL CURVE	PC	POINT OF CURVE
		PCT, %	PERCENT
CB	CATCH BASIN	PI	POINT OF INTERSECTION
C	COMMUNICATION	PIV	POST INDICATOR VALVE
C TO C	CENTER TO CENTER	PIC	POINT OF INTERSECTION, VERTICAL CURVE
CJ	CURB FACE	POC	POINT OF CONNECTION
CJ	CONSTRUCTION JOINT	PIV	POINT OF INTERSECTION, VERTICAL CURVE
CL	CENTERLINE	PPI	POUND-FORCE PER SQUARE INCH
CL	CLEAR	PT	POINT OF TANGENCY
CMP	CORRUGATED METAL PIPE	PVC	POLYVINYL CHLORIDE
CO	CLEANOUT	PWT	PAVEMENT
CO	CONDUIT ONLY	PW	POTABLE WATER
COJ	CONSTRUCTION JOINT		
CONC	CONCRETE	R	RADIUS
CONSTR	CONSTRUCTION	RA	RADIUS
CONT	CONTINUATION	RAD	RADIAL
CP	CONCRETE PIPE	RCCP	REINFORCED-CONCRETE PIPE
CPI	COMMUNICATIONS PULLBOX	RSD	RISER
CS	CARBON STEEL	ROCR	REDUCER
CS FT	CURB FEET	REF	REFERENCE
CULV	CULVERT	REINW	REINFORCEMENT
CWR	CHILLED WATER RETURN	REQD	REQUIRED
CWS	CHILLED WATER SUPPLY	REV	REVISION
CT	CURB YARD	RG	ROUGH GRADE
		RGW	ROUGH-GF-WAY
Δ	DELTA = ANGLE	S	SLOPE
DEG	DEGREE	SOUTH	SOUTH
DET	DETAIL	SCHL SCHED	SCHEDULE
DI	DUCTILE IRON	SD	STORM DRAIN
DIA, Ø	DIAMETER	SG	SUBGRADE
DL	DRAIN LINE	SHT	SHEET
DWG	DRAWING	SM	SQUARE FOOT
		SO FT, SF	SQUARE FOOT
E	EAST	SS	SANITARY SEWER
EA	ELECTRICAL	STA	STATION
EC	ELECTRICAL DUCT BANK	STD	STANDARD
EJ	EXPANSION JOINT	STL	STEEL
EL, ELEV	ELEVATION (HEIGHT)	SW	SIDEWALK
ELC	ELECTRICAL	T	TANGENT
ELL	ELECTRICAL MANHOLE	TC	TOP OF CURB
EMH	ELECTRICAL MANHOLE	TEL	TELEPHONE
EPB	ELECTRICAL PULLBOX	TS	TOP OF GRATE
EV	ELECTRICAL VALET	TC	TOP OF CONCRETE
EV	END VERTICAL CURVE	TOP	TOP OF PIPE
EXIST, EX	EXISTING	TOPD	TOPOGRAPHY
		TP	TOP OF WALL
		TP	TYPICAL
FH	FIRE HYDRANT	UG	UNDERGROUND
FIN	FINISH	UNON	UNLESS OTHERWISE NOTED
FIN FL	FINISH FLOOR	VC	VERTICAL CURVE
FG	FINISH GRADE	VCP	VITRIFIED CLAY PIPE
FL	FLOW LINE	VERT	VERTICAL
FLG	FLOW LINE	VEL	VOLUME
FOP	FACE OF FLANGE		
FS	FINISH SURFACE	W	WEST
FT	FOOT-FEET	W	WATER
FTG	FOOTING	W/	WITHOUT
FW	FIRE WATER	W/M	WASTE WATER
		W/MF	WELDED WIRE FABRIC
GALV	GALVANIZED		
GB	GRADE BREAK		
GPM	GALLONS PER MINUTE		
GR	GRAVEL	TRF	TRANSFORMER
GVL	GRAVEL		
		YD	YARD
HORIZ	HORIZONTAL		
HP	HIGH POINT		
ID	INSIDE DIAMETER		
IN	INCH		
INCL	INCLUDE		
INTSCT	INTERSECTION		
INT	INVERT		
JB	JUNCTION BOX		
JT	JOINT		
L	LENGTH		
LA DOTD	STATE OF LOUISIANA, DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT		
LB	POUND		

LEGEND

EXISTING	NEW	DESCRIPTION
		CENTERLINE OF BUILDING OR STRUCTURE
		FENCE LINE
		ROAD
		ASPHALT CONCRETE PAVING
		MULTIPLE BITUMINOUS SURFACE
		CONCRETE
		RSP-RAP
		DIRECTION OF SHEET FLOW
		FLOWLINE CLEANOUT
		DRAIN LINE
		POTABLE WATER
		ELECTRICAL
		ELECTRICAL DUCT BANK
		STORM DRAIN
		SANITARY SEWER
		TELEPHONE
		WATER
		FIRE WATER
		CHILLED WATER SUPPLY
		CHILLED WATER RETURN
		COMMUNICATIONS
		COMMUNICATIONS OR ELECTRICAL PULLBOX
		ELECTRICAL VAULT OR MANHOLE
		FIRE HYDRANT
		GATE VALVE
		MANHOLE
		STORM DRAIN CATCH BASIN
		CULVERT
		CULVERTS W/ FLARED END OUTLET
		POWER POLE
		GUARD POST
		PLUG OR CAP
		INDEX CONTOUR LINE
		INTERMEDIATE CONTOUR LINE
		CUT/FILL SLOPE
		FINISH GRADE ELEVATION
		FINISH SURFACE ELEVATION
		FLOW LINE ELEVATION
		TOP OF CURB
		TOP OF WALL
		INVERT ELEVATION
		ROUGH GRADE ELEVATION
		SECTION CUT
		DETAIL INDICATION
		DETAIL TITLE
		PROFILE
		REVISION CLOUD

GENERAL NOTES

1. THE ORIGINAL TOPOGRAPHY WITHIN THE PROPERTY LINES, WAS GENERATED BY COMPUTER METHODS FROM A STAKING SURVEY BY JOHN E. CHANCE & ASSOCIATES, INC., 200 DULLES DRIVE, LAFAYETTE, LOUISIANA, DATED MARCH 8, 1993. TOPOGRAPHY AND PLANIMETRIC FEATURES OUTSIDE THE PROPERTY BOUNDARY ARE BASED ON 1985/1986/1987 QUADRANGLE, DATED 1980. ROAD GRADING ACTIVITIES BASED ON THE ABOVE-MENTIONED TOPOGRAPHY FOR THE BEAM TUBE ARMS, CORNER STATION AND END STATIONS PADS WAS ACCOMPLISHED BY STRANCO CONSTRUCTION IN ACCORDANCE WITH PLANS PREPARED BY PARSONS AND FORMS THE PRIMARY TOPOGRAPHY SHOWN ON THE FACILITY DRAWINGS.
2. GEOTECHNICAL INFORMATION AND SOIL BORING SUMMARIES ARE FROM AN INVESTIGATION BY WOODWARD-CLODE CONSULTANTS, 2022 ONEAL LANE, BATON ROUGE, LOUISIANA, DATED FEBRUARY, 1995. A COPY OF THIS REPORT IS ON FILE WITH THE CONSTRUCTION MANAGER.
3. DRAINAGE CONSIDERATIONS INCORPORATED WITHIN THE DRAWINGS ARE FROM A HYDROLOGIC AND HYDRAULIC REPORT BY GLEF ENGINEERS & CONSULTANTS, INC., 9357 INTERLINE AVENUE, BATON ROUGE, LOUISIANA, DATED DECEMBER, 1994. A COPY OF THIS REPORT IS ON FILE WITH THE CONSTRUCTION MANAGER.
4. DIMENSIONS, ELEVATIONS AND LOCATION OF EXISTING UTILITIES, STRUCTURES, OR GRADING ARE TO BE VERIFIED PRIOR TO START OF CONSTRUCTION BY CONTRACTOR. ANY DISCREPANCY WITH THE DRAWINGS SHALL BE BROUGHT IMMEDIATELY TO THE ATTENTION OF THE CONSTRUCTION MANAGER. ANY ADDITIONAL WORK PERFORMED BY THE CONTRACTOR DUE TO HIS FAILURE TO VERIFY AND SO ADVISE, SHALL BE COMPLETELY AT HIS OWN COST AND AT NO COST TO THE INSTITUTE.
5. NOTES RELATING TO A SPECIFIC DRAWING WILL BE FOUND ON THE DRAWING FOR WHICH THEY ARE APPLICABLE.
6. ALL UNDERGROUND PIPES AND CULVERTS SHALL BE PROPERLY PROTECTED DURING CONSTRUCTION FROM HEAVY MOVING EQUIPMENT.
7. THE CONTRACTOR SHALL BE REQUIRED TO APPLY A DUST INHIBITOR ON ALL ROADS, AT THE DIRECTION OF THE CONSTRUCTION MANAGER.
8. WASTE AREAS WILL BE DESIGNATED IN THE FIELD BY THE CONSTRUCTION MANAGER.
9. STRAIGHT GRADE BETWEEN SPOT ELEVATIONS, UNLESS OTHERWISE SHOWN ON PLANS.
10. FINISHED SURFACES SHALL BE SLOPED UNIFORMLY FROM HIGH POINTS, RIDGE LINES, AND AROUND FOUNDATIONS TO FLOW LINES AND AREA DRAINS UNLESS INDICATED OTHERWISE.
11. STORM DRAIN, SANITARY SEWER, AND UTILITY LINES SHALL BE SLOPED AT A UNIFORM GRADE BETWEEN INVERT ELEVATIONS.
12. SEEDING SHALL NOT BE DONE ON THE FLAT BOTTOM OF DITCHES OR ON CURRENTLY GRASSED AREAS THAT ARE UNDISTURBED BY GRADING OPERATIONS. ALL OTHER AREAS SHALL BE SEEDDED.
13. THE STATE OF LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT, OFFICE OF HIGHWAYS, STANDARD PLANS ARE A PART OF THESE DOCUMENTS TO THE EXTENT REFERENCED.
14. THE STATE OF LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT, "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" ARE A PART OF THESE DOCUMENTS TO THE EXTENT REFERENCED.

This document and the design it covers are the property of PARSONS. It is to be used only with the written consent of PARSONS. It is to be returned to the borrower if reproduced without agreement that they will not be reproduced, copied, loaned, exhibited, or used in any other way, except by written consent from PARSONS to the borrower.

NO.	DATE	BY	CHKD	ENGR	PROJ.	DESCRIPTION

ISSUED FOR CONSTRUCTION	DATE	BY
DRAWN	11/15/98	WRB
CHECKED	11/15/98	ML
ENGINEER	11/15/98	ML
PROJ.	11/15/98	ML



PARSONS
 100 WEST WALNUT STREET
 PASADENA, CALIFORNIA

LIGO
 CALIFORNIA INSTITUTE OF TECHNOLOGY
 MASSACHUSETTS INSTITUTE OF TECHNOLOGY

LASER INTERFEROMETER
 GRAVITATIONAL-WAVE OBSERVATORY
 SITE NO. 2 - LIVINGSTON, LOUISIANA

CIVIL GENERAL NOTES, LEGEND & ABBREVIATIONS

NONE PP150969 8094

LA-C-002

L100-096030-00-0