

ABBREVIATIONS

AC	ASPHALTIC CONCRETE	MAX	MAXIMUM
AGOR	AGGREGATE	MM	MM
APPROX	APPROXIMATELY	MNV	MINIMUM
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS	MOW	MOVEMENT
AVG	AVERAGE		
BC	BEGIN CURVE	N	NORTH
BDM	BOUNDARY	NIC	NOT IN CONTRACT
BEG	BEGIN	NIS	NOT TO SCALE
BEG	BENCH MARK	OC	ON CENTER
BPM	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	PVC	POINT OF INTERSECTION, VERTICAL CURVE
CF	CORNER FACE	POC	POINT OF CONNECTION
CJ	CONSTRUCTION JOINT	POVC	POINT ON VERTICAL CURVE
CL	CENTERLINE	PSF	POUND-FORCE PER SQUARE INCH
CLP	CLEAR	PT	POINT OF TANGENCY
CMP	CORRUGATED METAL PIPE	PVC	POLYVINE CHLORIDE
CO	CLEANOUT	PW	PAVEMENT
CO	CONDUIT ONLY		POTABLE WATER
CO	CONSTRUCTION JOINT		
COL	COLUMN	R	RADIUS
CONC	CONCRETE	RA	RADIUS
CONSTR	CONSTRUCTION	RAD	RADIUS
CONTR	CONTRIBUTION	RCP	REINFORCED-CONCRETE PIPE
CP	CONCRETE PIPE	RD	ROAD
CSP	CONCRETE PIPES	RDR	REDUCER
CS	CARBON STEEL	REF	REFERENCE
CU FT	CUBIC FEET	REF	REFERENCE
CULV	CULVERT	REIN	REINFORCEMENT
CWP	CHILLED WATER RETURN	REQD	REQUIRED
CWS	CHELLED WATER SUPPLY	RES	RESISTION
CT	CUBIC YARD	RG	ROUGH GRADE
		R/W	RIGHT-OF-WAY
Δ	DELTA = ANGLE	S	SLOPE
D	DEGREE	SCH	SCHEDULE
DEG	DEGREE	SCH SCHED	SCHEDULE
DI	DUCTILE IRON	SD	STORM DRAIN
DIA	DIAMETER	SO	SUBGRADE
D	DRAIN LINE	SMT	SHEET
DWG	DRAWING	SMB	SIMILAR
		SO FT, SF	SQUARE FOOT
E	EAST	SS	SANITARY SEWER
E	ELECTRICAL	STA	STATION
EA	EACH	STD	STANDARD
EC	END CURVE	STL	STEEL
EDB	ELECTRICAL DUCT BANK	SW	SEWERWALK
EJ	EXPANSION JOINT	T	TANGENT
EL	ELEVATION (HEIGHT)	TEL	TELEPHONE
ELC	ELECTRICAL	TC	TOP OF CURB
ELC	ELECTRICAL	TEL	TELEPHONE
EMH	ELECTRICAL MANHOLE	TO	TOP OF GRATE
EM	ELECTRICAL MANHOLE	TOC	TOP OF CONCRETE
EV	ELECTRICAL VALVE	TO	TOP OF PIPE TOPO</td
EV	ELECTRICAL VALVE	TO	TOP OF WALL TO</td
EV	ELECTRICAL VALVE	TO	TYPICAL TO</td
EW	EACH WAY	UG	UNDERGROUND
EXST, EX	EXISTING	UN	UNLESS OTHERWISE NOTED
		VC	VERTICAL CURVE
		VCP	VERTIFIED CLAY PIPE
		VERT	VERTICAL
		VPL	VERTICAL
		W	WEST
		W/W	WITH
		W/O	WITHOUT
		WW	WASTE WATER
		WWF	WELDED WIRE FABRIC
		YWR	TRANSFORMER
		YD	YARD
HD	HORIZONTAL		
HP	HIGH POINT		
ID	INSIDE DIAMETER		
IN	INCH		
INCL	INCLUDE		
INTSCT	INTERSECTION		
INV	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, E
		BUILDING OR STRUCTURE
		FENCE LINE
		ROAD
		ASPHALT CONCRETE PAVING
		MULTIPLE BITUMINOUS SURFACE
		CONCRETE
		RIP-RAP
		DIRECTION OF SHEET FLOW
		FLOWLINE
		CLEANOUT
		DRAIN LINE
		POTABLE WATER
		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 DRELLS DRIVE, LAFALETTE, LOUISIANA, DATED MARCH 6, 1983. TOPOGRAPHY AND PLANNING FEATURES OUTSIDE THE PROPERTY BOUNDARY ARE BASED ON 14055-GATIANA, LA. QUADRANGLE, DATED 1980. ROUGH GRADING ACTIVITIES BASED ON THE ADJACENT TOPOGRAPHY FOR THE SEAM TO BE ADJ. 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-CLYDE CONSULTANTS, 2822 ONEAL LANE, BATON ROUGE, LOUISIANA, DATED FEBRUARY, 1985. 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 GULF ENGINEERS & CONSULTANTS, INC., 9357 INTERLINE AVENUE, BATON ROUGE, LOUISIANA, DATED DECEMBER, 1984. 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 ADVISED, SHALL BE COMPLETED 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 DISCRETION 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.

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NO.	DATE	BY	CHKD	ENGR	PROJ	DESCRIPTION
B	7/24/86	WRB	AK			ISSUED FOR BID
A	8/14/86	WRB	ME			FINAL DESIGN REVIEW

DESIGNED	WRB
CHECKED	
ENGINEER	
PROJ	

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**

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