

ABBREVIATIONS

AC	ASPHALTIC CONCRETE	MAX	MAXIMUM
AGGR	AGGREGATE	MH	MANHOLE
APPROX	APPROXIMATELY	MIN	MINIMUM
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS	MON	MONUMENT
AVG	AVERAGE	N	NORTH
		NIC	NOT IN CONTRACT
BC	BEGIN CURVE	NTS	NOT TO SCALE
BOY	BOUNDARY		
BLDG	BUILDING		
BM	BENCH MARK		
BOP	BOTTOM OF PIPE	OC	ON CENTER
BRG	BEARING	OD	OUTSIDE DIAMETER
BVC	BEGIN VERTICAL CURVE		
		PC	POINT OF CURVE
CB	CATCH BASIN	PCT, X	PERCENT
C	COMMUNICATION	PI	POINT OF INTERSECTION
C TO C	CENTER TO CENTER	PIV	POST INDICATOR VALVE
CF	CURB FACE	POI	POINT OF INTERSECTION, VERTICAL CURVE
CJ	CONSTRUCTION JOINT	POC	POINT OF CONNECTION
CL	CENTERLINE	POVC	POINT ON VERTICAL CURVE
CLR	CLEAR	PSI	POUND-FORCE PER SQUARE INCH
CMP	CORRUGATED METAL PIPE	PT	POINT OF TANGENCY
CO	CLEANOUT, CONDUIT ONLY, CONTRACTION JOINT	PVC	POLYVINYL CHLORIDE
		PVMT	PAVEMENT
		PW	POTABLE WATER
COL	COLUMN	R	RADIUS
CONC	CONCRETE		
CONSTR	CONSTRUCTION	RAD	RIDGE
CONT	CONTINUATION	RCP	RADIAL REINFORCED-CONCRETE PIPE
CP	CONCRETE PIPE	RD	ROAD
CPB	COMMUNICATIONS PULLBOX	ROCR	REDUCER
CJ	CARBON STEEL	REF	REFERENCE
CJ FT	CUBIC FEET	REINF	REINFORCEMENT
CULV	CULVERT	REQD	REQUIRED
CWR	CHILLED WATER RETURN	REV	REVISION
CWS	CHILLED WATER SUPPLY	RG	ROUGH GRADE
CY	CUBIC YARD	R/W	RIGHT-OF-WAY
		S	SLOPE, SOUTH
DELTA	DELTA = ANGLE	SCH, SCHED	SCHEDULE
D	DUCT	SD	STORM DRAIN
DEG	DEGREE	SG	SUBGRADE
DET	DETAIL	SHT	SHEET
DI	DUCTILE IRON	SIM	SIMILAR
DIA, Ø	DIAMETER	SO FT, SF	SQUARE FOOT
DL	DRAIN LINE	SS	SANITARY SEWER
DWG	DRAWING	STA	STATION
		STD	STANDARD
E	EAST	STL	STEEL
EA	ELECTRICAL	SW	SIDEWALK
EC	ELECTRICAL		
EDB	ELECTRICAL DUCT BANK		
EJ	EXPANSION JOINT		
EL, ELEV	ELEVATION (HEIGHT)	T	TANGENT
ELC	ELECTRICAL	TC	TELEPHONE
ELL	ELBOW	TEL	TOP OF CURB
EMH	ELECTRICAL MANHOLE	TG	TELEPHONE
EPB	ELECTRICAL PULLBOX	TG	TOP OF GRATE
EY	ELECTRICAL VAULT	TOC	TOP OF CONCRETE
EVC	END VERTICAL CURVE	TOP	TOP OF PIPE
EW	EACH WAY	TOPO	TOPOGRAPHY
EXIST, EX	EXISTING	TW	TOP OF WALL
		TYP	TYPICAL
		UG	UNDERGROUND
FH	FIRE HYDRANT	UNON	UNLESS OTHERWISE NOTED
FIN	FINISH		
FIN FL	FINISH FLOOR	VC	VERTICAL CURVE
FG	FINISH GRADE	VCP	VITRIFIED CLAY PIPE
FL	FLOOR	VERT	VERTICAL
FLG	FLOW LINE	VOL	VOLUME
FOF	FACE OF FLANGE		
FS	FINISH SURFACE		
FT	FOOT, FEET	W	WEST
FTG	FOOTING	W/	WITH
FW	FIRE WATER	W/O	WITHOUT
		WW	WASTE WATER
		WWF	WELDED WIRE FABRIC
GALV	GALVANIZED		
GA	GAGE	XFM	TRANSFORMER
GB	GRADE BREAK		
GPM	GALLONS PER MINUTE	YD	YARD
GR	GRADE		
GVL	GRAVEL		
HORIZ	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, #
---	---	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
---	---	ELECTRICAL DUCT BANK
---	---	STORM DRAIN
---	---	SANITARY SEWER
---	---	TELEPHONE
---	---	WATER
---	---	FIRE WATER
---	---	CHILLED WATER SUPPLY
---	---	CHILLED WATER RETURN
---	---	COMMUNICATIONS
---	---	CPB/EPB
---	---	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 LETTER
---	---	DRAWING ON WHICH SECTION IS SHOWN
---	---	SECTION CUT
---	---	DETAIL OR ASSEMBLY NUMBER
---	---	DRAWING ON WHICH DETAIL IS SHOWN
---	---	DETAIL INDICATION
---	---	DETAIL OR ASSEMBLY NUMBER
---	---	REF
---	---	DRAWINGS FROM WHICH DETAIL IS SHOWN
---	---	DRAWING ON WHICH DETAIL IS DRAWN
---	---	DETAIL TITLE
---	---	PROFILE NUMBER
---	---	DRAWING ON WHICH PROFILE IS SHOWN
---	---	PROFILE
---	---	REVISION CLOUD
---	---	REVISION TRIANGLE & NUMBER ON FACE OF DRAWING

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 USGS'SATSUMA, LA, QUADRANGLE, DATED 1980. ROUGH GRADING ACTIVITIES BASED ON THE AFOREMENTIONED 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-CLYDE CONSULTANTS, 2822 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 GULF 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 SEEDS.
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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LASER INTERFEROMETER GRAVITATIONAL-WAVE OBSERVATORY SITE NO. 2 - LIVINGSTON, LOUISIANA			
TITLE	SCALE	CONTRACT NUMBER	PROJECT NUMBER
CIVIL GENERAL NOTES, LEGEND & ABBREVIATIONS	NONE	PPI50969	8094
SHEET NUMBER		REVISIONS	
LA-C-002			

**PARSONS**

100 WEST WALNUT STREET  
PASADENA, CALIFORNIA

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CALIFORNIA INSTITUTE OF TECHNOLOGY  
MASSACHUSETTS INSTITUTE OF TECHNOLOGY

ISSUED FOR CONSTRUCTION			
DRAWN	WRB	11-15-96	
CHECKED	ML	11-15-96	
ENGINEER	JB	11-15-96	
PROJ	TDM	11-15-96	
<b>AS-BUILT DRAWINGS</b>			

NO.	DATE	BY	CHKD	ENGR	PROJ	DESCRIPTION
1	08-07-98	WRB	ML	WRB	TDM	ISSUED FOR AS-BUILT