

Mon Sep 30 07:30:29 1996 s3-v18b2 J:\PLOTS\QUEUES\WB2VCF502A.PRF
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ABBREVIATIONS

| | | | |
|-----------|---|------------|--------------------------------------|
| AC | ASPHALTIC CONCRETE | MAX | MAXIMUM |
| AGGR | AGGREGATE | MIN | MINIMUM |
| APPROX | APPROXIMATELY | MON | MONUMENT |
| ASTM | AMERICAN SOCIETY FOR TESTING AND MATERIALS | | |
| AVG | AVERAGE | | |
| BC | BEGIN CURVE | N | NORTH |
| BDY | BOUNDARY | NIC | NOT IN CONTRACT |
| BLDG | BUILDING | NTS | NOT TO SCALE |
| BM | BENCH MARK | | |
| BOP | BOTTOM OF PIPE | OC | ON CENTER |
| BPG | BEARING | OD | OUTSIDE DIAMETER |
| BVC | BEGIN VERTICAL CURVE | | |
| CB | CATCH BASIN | PC | POINT OF CURVE |
| COMM | COMMUNICATION | PCT, X | PERCENT |
| C TO C | CENTER TO CENTER | PI | POINT OF INTERSECTION |
| CF | CURB FACE | PIV | POST INDICATOR VALVE |
| CJ | CONSTRUCTION JOINT | PIVC | POINT OF INTERSECTION VERTICAL CURVE |
| CL & CLR | CENTERLINE CLEAR | POC | POINT OF CONNECTION |
| CMP | CORRUGATED METAL PIPE | POVC | POINT ON VERTICAL CURVE |
| CO | CLEANOUT | PSI | POUND-FORCE PER SQUARE INCH |
| COL | COLUMN | PT | POINT OF TANGENCY |
| CONC | CONCRETE | PVC | POLYVINYL CHLORIDE |
| CONSTR | CONSTRUCTION | PWMT | POTABLE WATER |
| CONT | CONTINUATION | PW | POTABLE WATER |
| CP | CONCRETE PIPE | R | RADIUS |
| CS | CARBON STEEL | RAD | RIDGE |
| CU FT | CUBIC FEET | RCP | REINFORCED-CONCRETE PIPE |
| CULV | CULVERT | RO | ROAD |
| CWR | CHILLED WATER RETURN | ROCR | REDUCER |
| CWS | CHILLED WATER SUPPLY | REF | REFERENCE |
| CY | CUBIC YARD | REIN | REINFORCEMENT |
| | | REQD | REQUIRED |
| | | REV | REVISION |
| | | RG | ROUGH GRADE |
| | | R/W | RIGHT-OF-WAY |
| | | S | SLOPE |
| | | SCH, SCHED | SCHEDULE |
| | | SD | STORM DRAIN |
| | | SO | SUBGRADE |
| | | SHT | SHEET |
| | | SIM | SIMILAR |
| | | SQ FT, SF | SQUARE FOOT |
| | | SS | SANITARY SEWER |
| | | STA | STATION |
| | | STD | STANDARD |
| | | STL | STEEL |
| | | SW | SIDEWALK |
| | | T | TANGENT, TELEPHONE |
| | | TC | TOP OF CURB |
| | | TEL | TELEPHONE |
| | | TG | TOP OF GRATE |
| | | TOC | TOP OF CONCRETE |
| | | TOP | TOP OF PIPE |
| | | TOPO | TOPOGRAPHY |
| | | TW | TOP OF WALL |
| | | TYP | TYPICAL |
| | | UG | UNDERGROUND |
| | | UDN | UNLESS OTHERWISE NOTED |
| | | VC | VERTICAL CURVE |
| | | VCP | VITRIFIED CLAY PIPE |
| | | VERT | VERTICAL |
| | | VOL | VOLUME |
| | | W | WEST |
| | | W/ | WITH |
| | | W/O | WITHOUT |
| | | WW | WASTE WATER |
| | | WWF | WELDED WIRE FABRIC |
| | | XFMR | TRANSFORMER |
| | | YD | YARD |
| EA | EAST | | |
| EL | ELECTRICAL | | |
| ELEV | ELEVATION (HEIGHT) | | |
| EN | END CURVE | | |
| END | END VERTICAL CURVE | | |
| EXIST, EX | EXISTING | | |
| EX | ELECTRICAL | | |
| FC | FINISH FLOOR | | |
| FG | FINISH GRADE | | |
| FL | FLOOR | | |
| FLG | FLANGE | | |
| FP | FACE OF FLANGE | | |
| FS | FINISH SURFACE | | |
| FT | FOOT, FEET | | |
| FW | FIRE WATER | | |
| GA | GALVANIZED | | |
| GA | GAGE | | |
| GB | GRADE BREAK | | |
| GPM | GALLONS PER MINUTE | | |
| GW | GRAVEL | | |
| HORIZ | HORIZONTAL | | |
| HP | HIGH POINT | | |
| ID | INSIDE DIAMETER | | |
| IN | INCH | | |
| INTSCT | INTERSECTION | | |
| INV | INVERT | | |
| JB | JUNCTION BOX | | |
| JT | JOINT | | |
| LA DOTD | LENGTH 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 |
| --- | --- | 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 LETTER DRAWING ON WHICH SECTION IS SHOWN |
| --- | --- | DETAIL OR ASSEMBLY NUMBER DRAWING ON WHICH DETAIL IS SHOWN |
| --- | --- | DETAIL OR ASSEMBLY NUMBER REF. DRAWINGS FROM WHICH DETAIL IS SHOWN DRAWING ON WHICH DETAIL IS DRAWN |
| --- | --- | PROFILE NUMBER DRAWING ON WHICH PROFILE IS SHOWN |
| --- | --- | 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 PLIOMETRIC FEATURES OUTSIDE THE PROPERTY BOUNDARY ARE BASED ON USSS-SATELITE, L.A. 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 GUY ENGINEERS & CONSULTANTS, INC., 5257 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 SEEDED.
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.

SPECIFICATION FOR LIMESTONE SURFACING (LIGO TEMPORARY ACCESS ROAD)

LIMESTONE USED FOR SURFACING OF THE LIGO TEMPORARY ACCESS ROAD SHALL MEET THE FOLLOWING (PER LA DOTD "STANDARD SPECIFICATIONS FOR ROADS AND BRIDGES", 1992, SECTION 1003 "AGGREGATES FOR SURFACE COURSE", ARTICLE 1003.03(f) "STONE"):


"THIS MATERIAL SHALL CONSIST OF 100 PERCENT STONE AND SHALL CONFORM TO THE FOLLOWING GRADATIONS:

| U.S. SIEVE | PERCENT PASSING |
|------------|-----------------|
| 1" / 4" | 100 |
| NO. 4 | 50-100 |
| NO. 10 | 36-65 |
| NO. 20 | 10-32 |
| | 3-15 |


"THE FRACTION OF STONE PASSING THE NO. 40 SIEVE SHALL BE NON-PLASTIC."

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| REFERENCES | | | | | |
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| DRAWN | WRB | 6/24/96 |
| CHECKED | | |
| ENGINEER | | |
| PROJ | | |



100 WEST WALNUT STREET
PASADENA, CALIFORNIA



CALIFORNIA INSTITUTE OF TECHNOLOGY
MASSACHUSETTS INSTITUTE OF TECHNOLOGY

LASER INTERFEROMETER
GRAVITATIONAL-WAVE OBSERVATORY
BEAM TUBE ENCLOSURE - LIVINGSTON, LA

| | | | | | | | |
|--------------|---|-------|------|-----------------|----------|----------------|------|
| TITLE | CIVIL GENERAL NOTES, LEGEND & ABBREVIATIONS | SCALE | NONE | CONTRACT NUMBER | PP150969 | PROJECT NUMBER | 8094 |
| SHEET NUMBER | LA-C-502 | | | | | | |