

ABBREVIATIONS

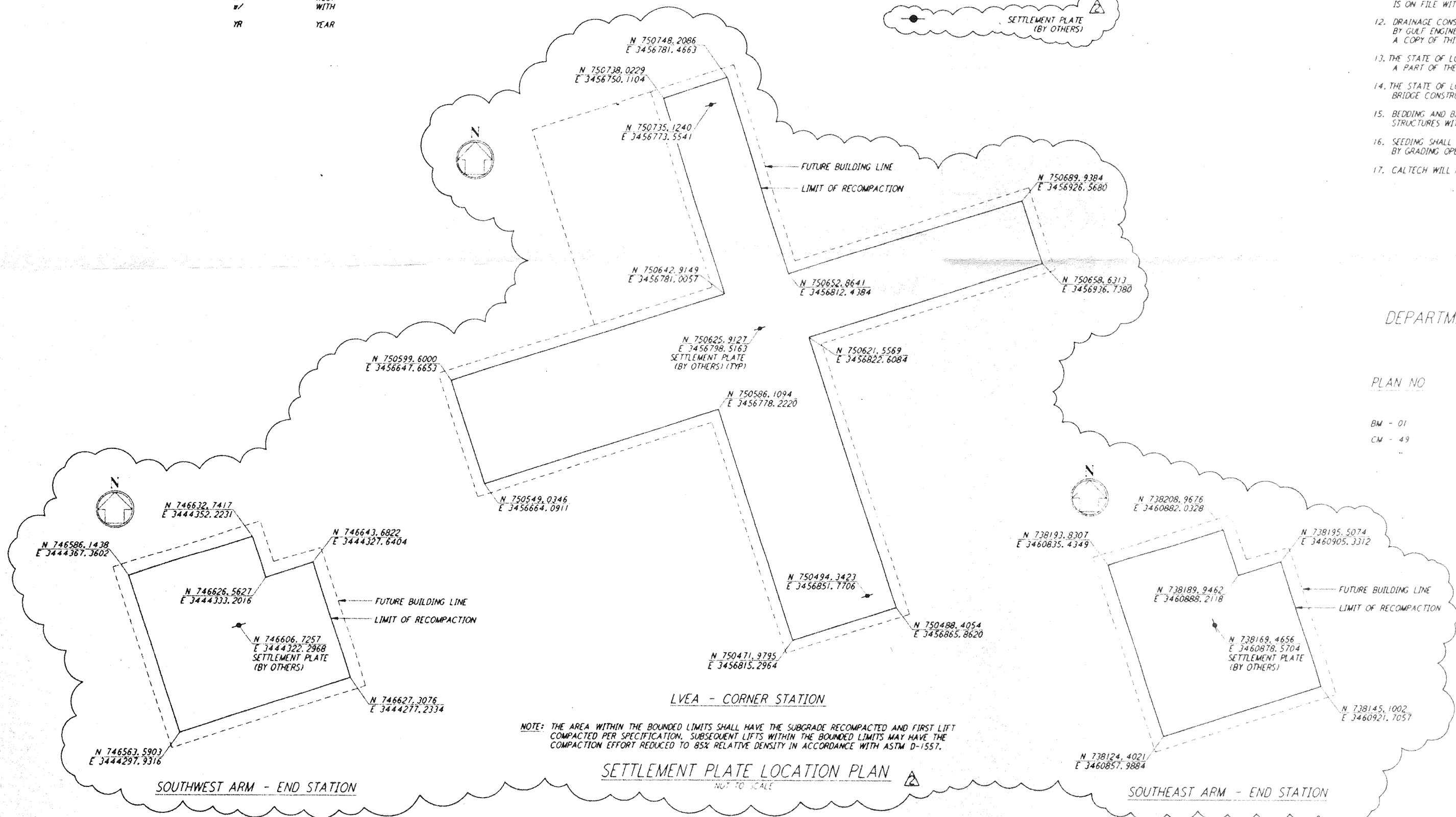
C	CENTERLINE
Δ	DELTA = ANGLE
E	EAST
ELEV EXIST	ELEVATION EXISTING
GB	GRADE BREAK
HORIZ HP	HORIZONTAL HIGH POINT
INV	INVERT
L	LENGTH
LA DOTD	STATE OF LOUISIANA, DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT
LAT	LATITUDE
LONG	LONGITUDE
MAX	MAXIMUM
MIN	MINIMUM
MSL	MEAN SEA LEVEL
N	NORTH
R	RADIUS
RCP	REINFORCED CONCRETE PIPE
RG	ROUGH GRADE
R/W	RIGHT-OF-WAY
S	SOUTH
STA	STATION
T	TANGENT
TYP	TYPICAL
VERT	VERTICAL
W	WEST
W/	WITH
YR	YEAR

LEGEND

	EXISTING CONTOUR
	PROPOSED CONTOUR (INDEX)
	PROPOSED CONTOUR (INTERMEDIATE)
	TOP/TOE OF SLOPE
	CONCRETE
	RIP-RAP
	CULVERTS w/ FLARED END OUTLET
	ROUGH GRADE ELEVATION
	INVERT ELEVATION
	SECTION CUT

Melott
GENERAL NOTES

- PROPERTY LINE LOCATION AND LIGO ACCESS ROAD RIGHT-OF-WAY ARE BY SURVEY DONE BY ALEX THERIOT JR & ASSOCIATES, INC., BENHAM SPRINGS, LOUISIANA, MAY 12, 1993.
- THE 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 PLANI-METRIC FEATURES OUTSIDE THE PROPERTY BOUNDARY ARE BASED ON TOSGS/SATSUMA, LA. QUADRANGLE, DATED 1980. NOTE: THAT THIS TOPOGRAPHY IS APPROXIMATE, SINCE CLEARING AND GRUBBING WITH MINOR GRADING ASSOCIATED WITH SUCH ACTIVITIES HAS RECENTLY TAKEN PLACE.
- HORIZONTAL AND VERTICAL CONTROLS ARE ALSO FROM THE JOHN E. CHANCE SURVEY DESCRIBED IN NOTE 2, AND ARE AS FOLLOWS:
 HORIZONTAL CONTROL: ALL BEARINGS AND DISTANCES SHOWN HEREON ARE LAMBERT GRID, NAD 83, LOUISIANA SOUTH ZONE. MONUMENTS 1100 APERT, LIGO SW & LIGO SE SET FROM GPS CONTROL STATIONS LDH MONUMENTS 328003 AND 320002. ALL CONTROL MONUMENTS SET THIS SURVEY ARE 3/4" REBARS WITH ALUMINUM CAPS.
 VERTICAL CONTROL: ELEVATIONS SHOWN ARE MEAN SEA LEVEL, DATUM NVD 1929. CONTROL MONUMENTS U.S. DEPT. OF COMMERCE, PBM # 5-294, ELEVATION 42.47 FEET.
- STRAIGHT GRADE BETWEEN SPOT ELEVATIONS, UNLESS OTHERWISE SHOWN ON PLANS.
- GRADED SURFACES SHALL BE SLOPED UNIFORMLY FROM HIGH POINTS, RIDGE LINES AND AROUND STRUCTURES.
- WASTE AREAS WILL BE DESIGNATED IN THE FIELD BY THE CONSTRUCTION MANAGER.
- NOTES RELATING TO A SPECIFIC DRAWING WILL BE FOUND ON THE DRAWING FOR WHICH THEY ARE APPLICABLE.
- ALL UNDERGROUND PIPES AND CULVERTS SHALL BE PROPERLY PROTECTED DURING CONSTRUCTION FROM HEAVY MOVING EQUIPMENT.
- DIMENSIONS, ELEVATIONS AND LOCATION OF EXISTING UTILITIES ARE TO BE VERIFIED PRIOR TO START OF CONSTRUCTION BY CONTRACTOR.
- THE CONTRACTOR SHALL BE REQUIRED TO APPLY A DUST INHIBITOR ON ALL ROADS, AT THE DIRECTION OF THE CONSTRUCTION MANAGER.
- GEOTECHNICAL INFORMATION AND SOIL BORING SUMMARIES ARE FROM AN INVESTIGATION BY WOODWARD-CLIDE CONSULTANTS, 2822 O'NEAL LANE, BATON ROUGE, LOUISIANA, DATED FEBRUARY, 1995. A COPY OF THIS REPORT IS ON FILE WITH THE CONSTRUCTION MANAGER.
- 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.
- THE STATE OF LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT, OFFICE OF HIGHWAYS, STANDARD PLANS ARE A PART OF THESE DOCUMENTS TO THE EXTENT REFERENCED.
- 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.
- BEDDING AND BACKFILL FOR DRAINAGE STRUCTURES SHALL BE IN ACCORDANCE WITH LA DOTD STANDARD PLAN BM-01, FOR STRUCTURES WITH BEDDING IN THE EMBANKMENT CONDITION.
- 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.
- CALTECH WILL PROVIDE FIVE (5) SURVEY MONUMENTS FOR THE CONTROL OF THE WORK.



STATE OF LOUISIANA
DEPARTMENT OF TRANSPORTATION & DEVELOPMENT (LA DOTD)
OFFICE OF HIGHWAYS
STANDARD PLANS

PLAN NO. BM - 01
CM - 49

TITLE
BEDDING AND BACKFILL FOR DRAINAGE STRUCTURES
EXPANSION & CONSTRUCTION JOINTS FOR CONCRETE STRUCTURES

LIGO-0961712-02-0

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