

CITY OF LAKE CHARLES, LA

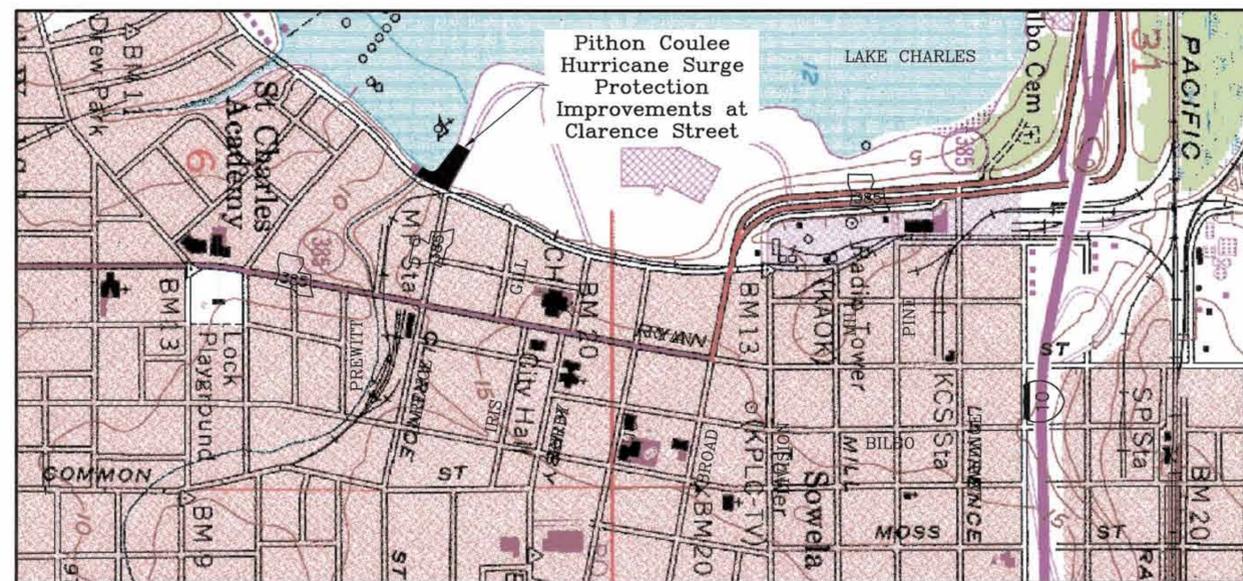
RANDY ROACH

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 VICE-PRESIDENT
 COUNCILMAN
 COUNCILMAN
 COUNCILMAN
 COUNCILMAN

Project No. 2009-574 Python Coulee Hurricane Surge Protection Improvements at Clarence Street



VICINITY MAP



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C1.3	BORD DU LAC DRIVE PAVEMENT STRIPING LAYOUT & DETAILS
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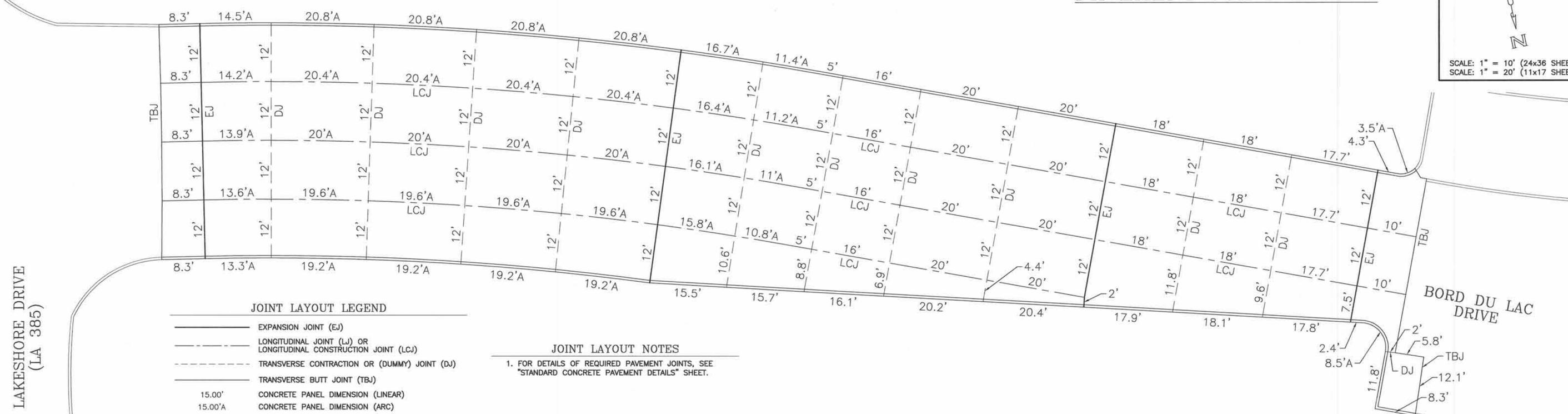
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PAVEMENT JOINT LAYOUT

SCALE: 1" = 10' (24x36 SHEET)
SCALE: 1" = 20' (11x17 SHEET)



- JOINT LAYOUT LEGEND**
- EXPANSION JOINT (EJ)
 - - - LONGITUDINAL JOINT (LJ) OR LONGITUDINAL CONSTRUCTION JOINT (LCJ)
 - · - · - TRANSVERSE CONSTRUCTION OR (DUMMY) JOINT (DJ)
 - - - - TRANSVERSE BUTT JOINT (TBJ)
 - 15.00' CONCRETE PANEL DIMENSION (LINEAR)
 - 15.00'A CONCRETE PANEL DIMENSION (ARC)

JOINT LAYOUT NOTES
1. FOR DETAILS OF REQUIRED PAVEMENT JOINTS, SEE "STANDARD CONCRETE PAVEMENT DETAILS" SHEET.

PAVEMENT GRADING PLAN

SCALE: 1" = 10' (24x36 SHEET)
SCALE: 1" = 20' (11x17 SHEET)



- GRADING PLAN LEGEND**
- ⊙ FINISHED CONTOURS
 - ⊙ -8.00/8.33 FINISHED PAVEMENT ELEVATION (GUTTER/TOP OF CURB)
 - 8.00 FINISHED PAVEMENT ELEVATION

NO.	DATE	REVISION DESCRIPTION	BY	FIELD BOOK

DRAWN	W. A. DUNCAN, Jr.
APPROVED	D. W. JESSEN, Jr.
DATE	06-25-2010
ACAD FILE	City 2009-574 (Python Coulee Surge Protection Levee)
REFERENCE	N/A
	DRAIN 4 2006-01

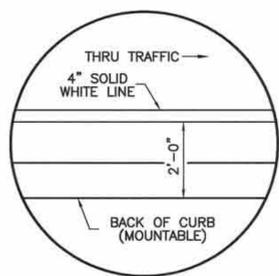
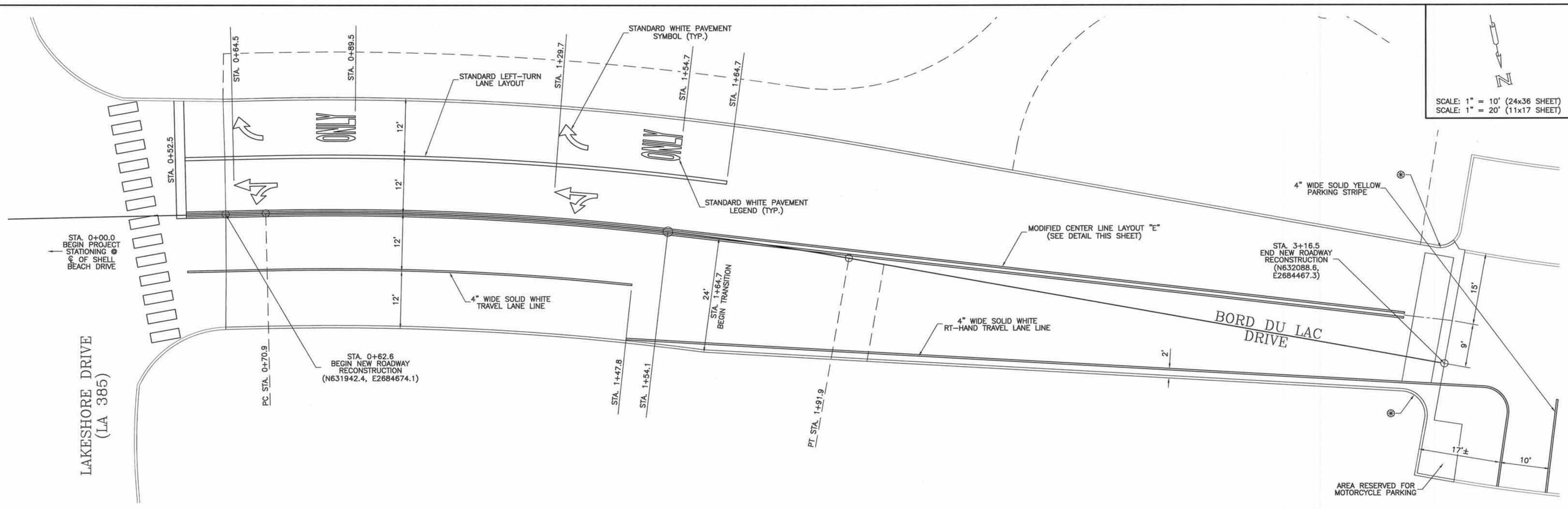
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PROJECT No. 2009-574
CITY of LAKE CHARLES
Python Coulee Hurricane Surge Protection Improvements
© Clarence Street
BORD DU LAC DRIVE PAVEMENT JOINT LAYOUT & GRADING PLAN

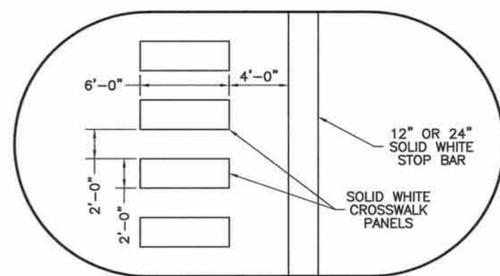
SHEET No.
C1.2



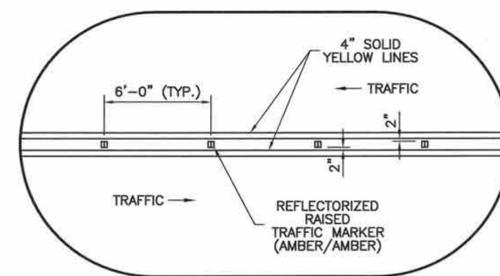
SCALE: 1" = 10' (24x36 SHEET)
SCALE: 1" = 20' (11x17 SHEET)



DETAIL "D"
RIGHT-HAND PAVEMENT EDGE



DETAIL "B"
CROSSWALK LAYOUT



MODIFIED CENTER LINE LAYOUT "E"
CENTER LINE FOR MULTI-LANE UNDIVIDED ROADWAY

GENERAL NOTES

1. ALL NEW PAVEMENT STRIPING AND MARKINGS SHALL BE CONSTRUCTED OF THERMOPLASTIC PAVEMENT MATERIAL UNLESS OTHERWISE NOTED AS FOLLOWS.
2. ALL NEW PAVEMENT LEGENDS AND SYMBOLS SHALL BE CONSTRUCTED OF PREFORMED PLASTIC PAVEMENT MARKING MATERIAL, "3M" STAMARK™ SERIES 380, OR APPROVED EQUAL.
3. ALL NEW PAVEMENT STOP BARS, AND CROSSWALK PANELS SHALL BE CONSTRUCTED OF PREFORMED PLASTIC PAVEMENT MARKING MATERIAL, "3M" STAMARK™ SERIES 420, OR APPROVED EQUAL.
4. ALL PAVEMENT STRIPING AND MARKINGS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE LOUISIANA DOTD "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES".
5. REQUIRED TRAFFIC SIGNING SHALL BE PLACED IN THE FIELD IN ACCORDANCE WITH THE LOUISIANA DOTD "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES".
6. CONTRACTOR SHALL REMOVE AND SALVAGE ALL EXISTING TRAFFIC SIGNS AND MOUNTING POSTS AND SHALL REINSTALL THEM UPON COMPLETION OF CONSTRUCTION AT PRE-EXISTING LOCATIONS OR AS DIRECTED IN THE FIELD BY THE PROJECT ENGINEER.
7. ANY NEW OR REQUIRED TRAFFIC SIGN MATERIALS SHALL BE FURNISHED BY THE CITY OF LAKE CHARLES AND SHALL BE INSTALLED BY THE CONTRACTOR AT NO DIRECT PAY.
8. FOR DETAILS OF STANDARD LEFT-TURN LANE LAYOUTS, SEE MARKERS AND STRIPING STANDARD DETAILS "PM-02".
9. REQUIRED CURB CUT FOR HANDICAP RAMPS. HANDICAP ACCESS RAMPS ARE TO BE CONSTRUCTED AT NO DIRECT PAYMENT. FOR DETAILS, SEE STANDARD CONCRETE PAVEMENT DETAILS SHEET.

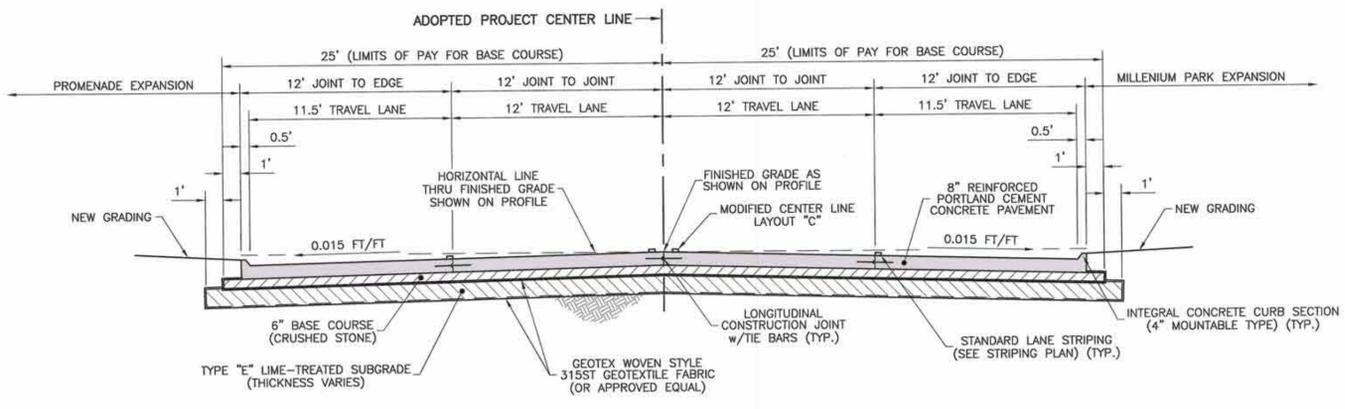


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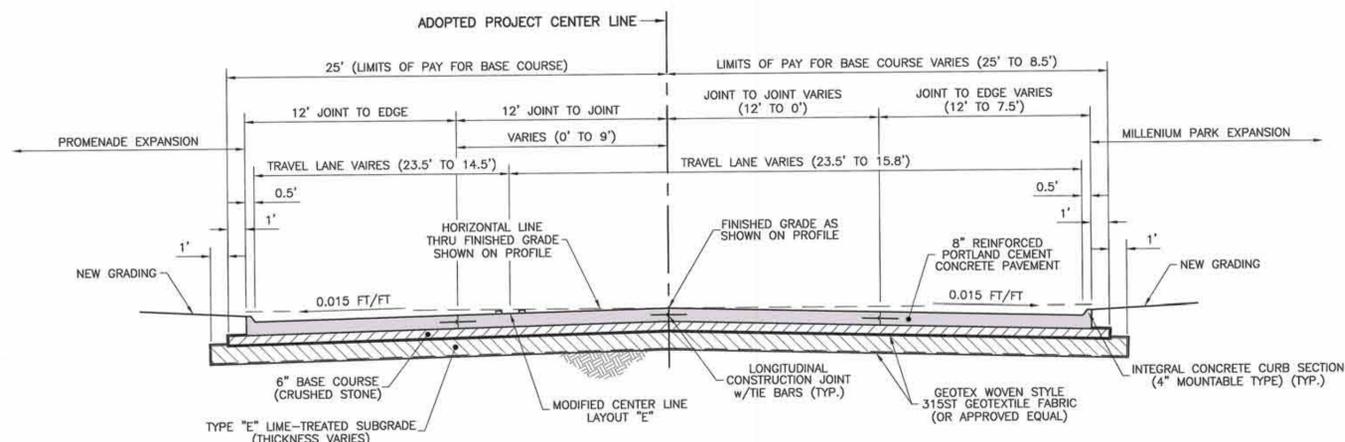
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PROJECT No. 2009-574	SHEET No.
CITY of LAKE CHARLES	
Python Coulee Hurricane Surge Protection Improvements @ Clarence Street	C1.3
BORD DU LAC DRIVE PAVEMENT STRIPING LAYOUT & DETAILS	



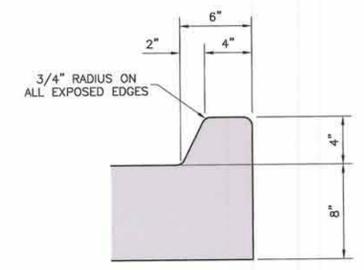
BORD DU LAC DRIVE
TYPICAL FINISHED SECTION FOR CONCRETE PAVEMENT w/INTEGRAL CURB
 BEGIN STA. 0+62.6 TO STA. 1+64.7



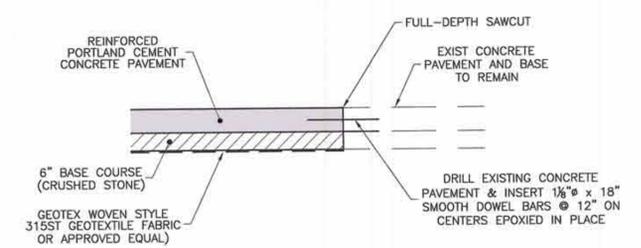
BORD DU LAC DRIVE
TYPICAL FINISHED SECTION FOR CONCRETE PAVEMENT w/INTEGRAL CURB
 STA. 1+64.7 TO END STA. 3+16.5

GENERAL NOTES

1. ALL DIMENSIONS SHOWN HEREON ARE DESIGN DIMENSIONS AND WILL BE FOLLOWED TO THE NEAREST PRACTICAL LIMITS AS DETERMINED BY THE PROJECT ENGINEER, IF TOLERANCES ARE NOT OTHERWISE SPECIFIED.
2. THE DIMENSIONS SHOWN HEREON ARE COMPACTED DIMENSIONS.
3. FOR THE LOCATION OF REQUIRED PAVEMENT MARKINGS, SEE PAVEMENT STRIPING LAYOUT SHEETS.
4. FOR DETAILS OF THE REQUIRED JOINTS, SEE STANDARD CONCRETE PAVEMENT DETAILS SHEET.
5. FOR SIDEWALK DETAILS, SEE STANDARD CONCRETE PAVEMENT DETAILS SHEET

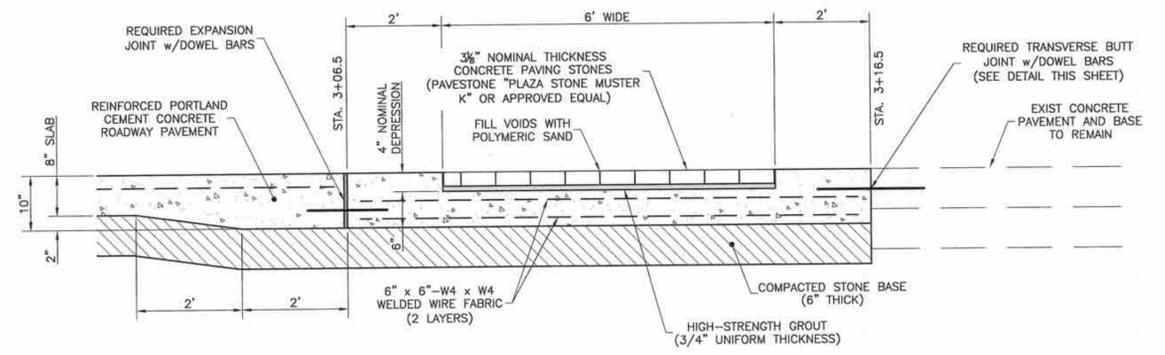


INTEGRAL CONCRETE CURB (BARRIER TYPE)



DOWELED TRANSVERSE BUTT JOINT

TO BE USED WHERE NEW CONCRETE ROADWAY PAVEMENT ADJOINS EXISTING CONCRETE ROADWAY PAVEMENT w/THICKNESSES 8" OR GREATER.



TYPICAL FINISHED SECTION FOR ROADWAY INSTALLATION OF CONCRETE PAVING STONES
 NOT TO SCALE



SCALE: 1" = 10' (24x36 SHEET)
 SCALE: 1" = 20' (11x17 SHEET)

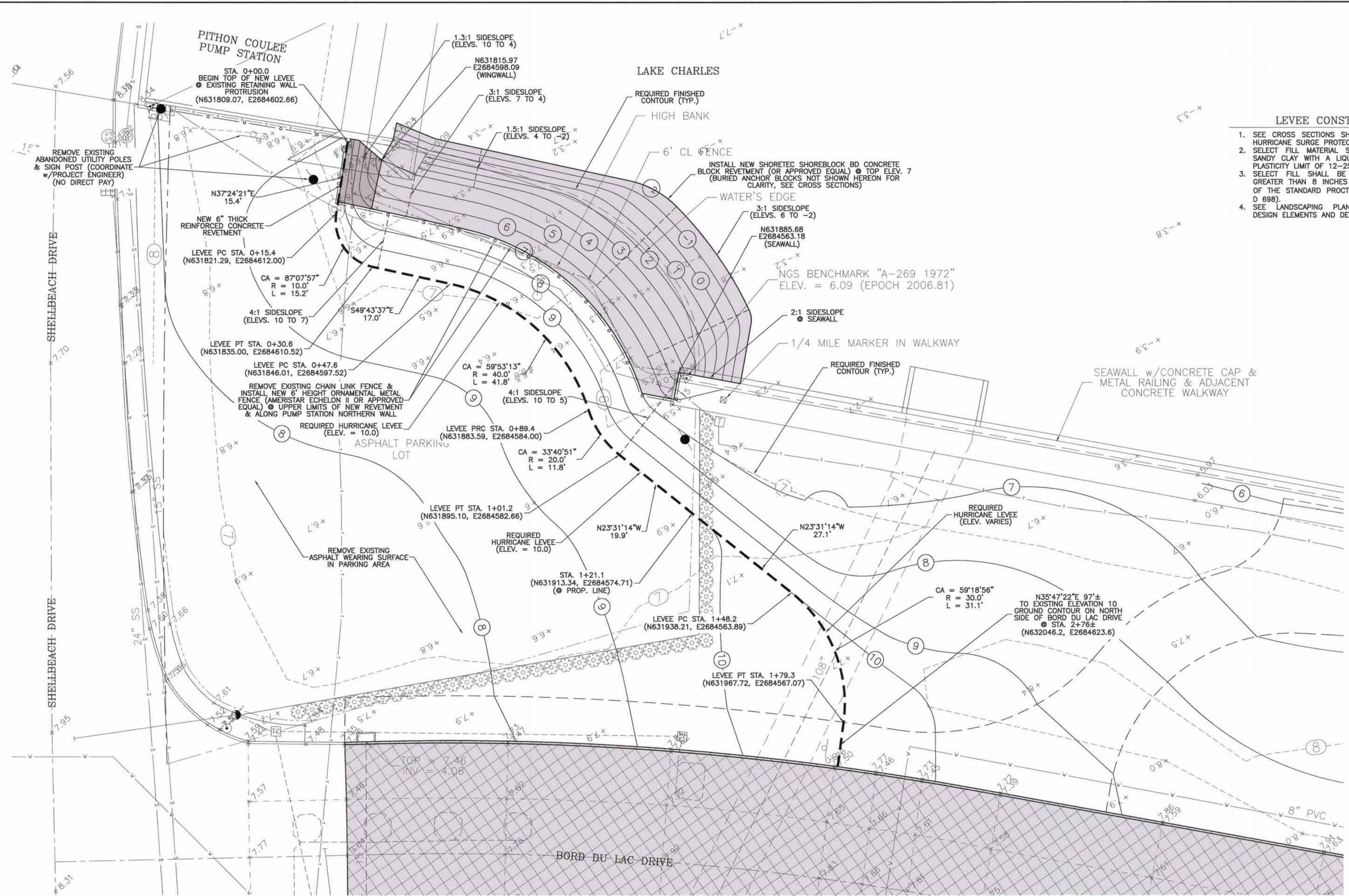
CITY OF LAKE CHARLES

Pithon Coulee Hurricane Surge Protection Improvements @ Clarence Street

BORD DU LAC DRIVE TYPICAL SECTIONS & DETAILS

DRAWN		W. A. DUNCAN, Jr.		PROJECT No. 2009-574		SHEET No.	
APPROVED		D. W. JESSEN, Jr.		CITY of LAKE CHARLES		C1.4	
DATE		06-25-2010		Pithon Coulee Hurricane Surge Protection Improvements @ Clarence Street			
ACAD FILE		City 2009-574 (Pithon Coulee Surge Protection Levee)		BORD DU LAC DRIVE TYPICAL SECTIONS & DETAILS			
REFERENCE		N/A					
BY		FIELD BOOK					
REVISION DESCRIPTION		DRAIN 4 2006-01					

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- LEVEE CONSTRUCTION NOTES**
1. SEE CROSS SECTIONS SHEET C1.6 FOR DETAILS OF NEW HURRICANE SURGE PROTECTION LEVEE CONSTRUCTION.
 2. SELECT FILL MATERIAL SHALL CONSIST OF A SILTY OR SANDY CLAY WITH A LIQUID LIMIT OF 30 TO 45, AND A PLASTICITY LIMIT OF 12-25.
 3. SELECT FILL SHALL BE PLACED IN LOOSE LIFTS NOT GREATER THAN 8 INCHES THICK AND COMPACTED TO 95% OF THE STANDARD PROCTOR MAXIMUM DRY DENSITY (ASTM D 698).
 4. SEE LANDSCAPING PLANS L1.1-L1.5 FOR ADDITIONAL DESIGN ELEMENTS AND DETAILS.



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SCALE: 1" = 20' (11x17 SHEET)

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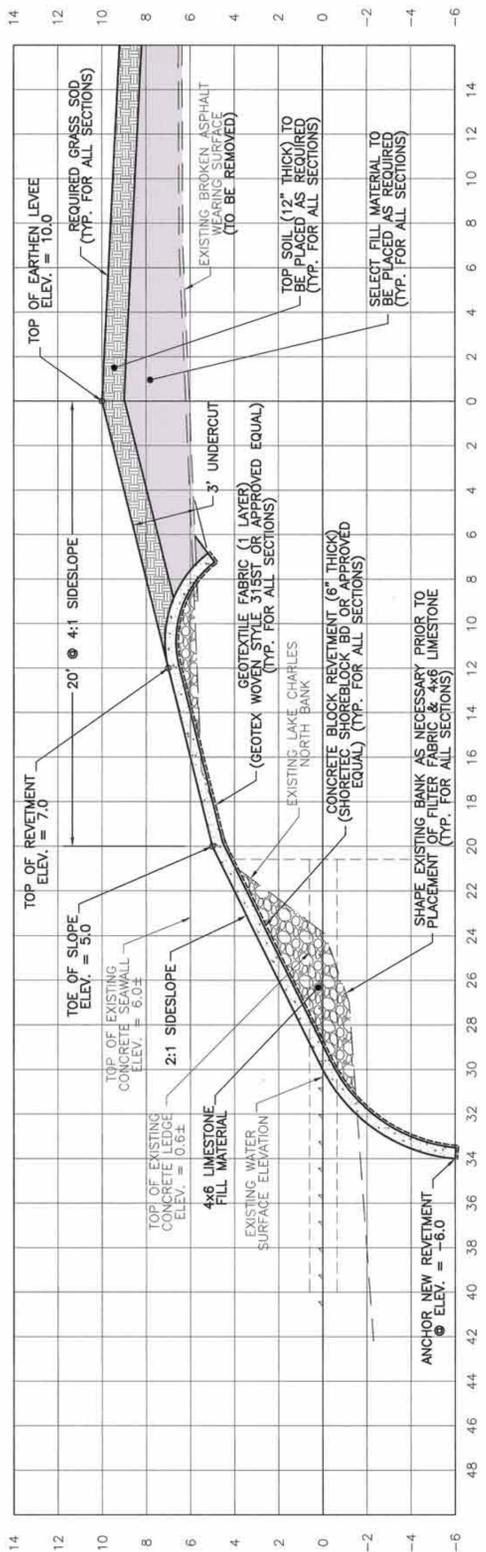
DRAWN	W. A. DUNCAN, Jr.
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DATE	06-25-2010
ACAD FILE	City 2009-574 (Piton Coulee Surge Protection Levee)
REFERENCE	N/A
	DRAIN 4 2006-01

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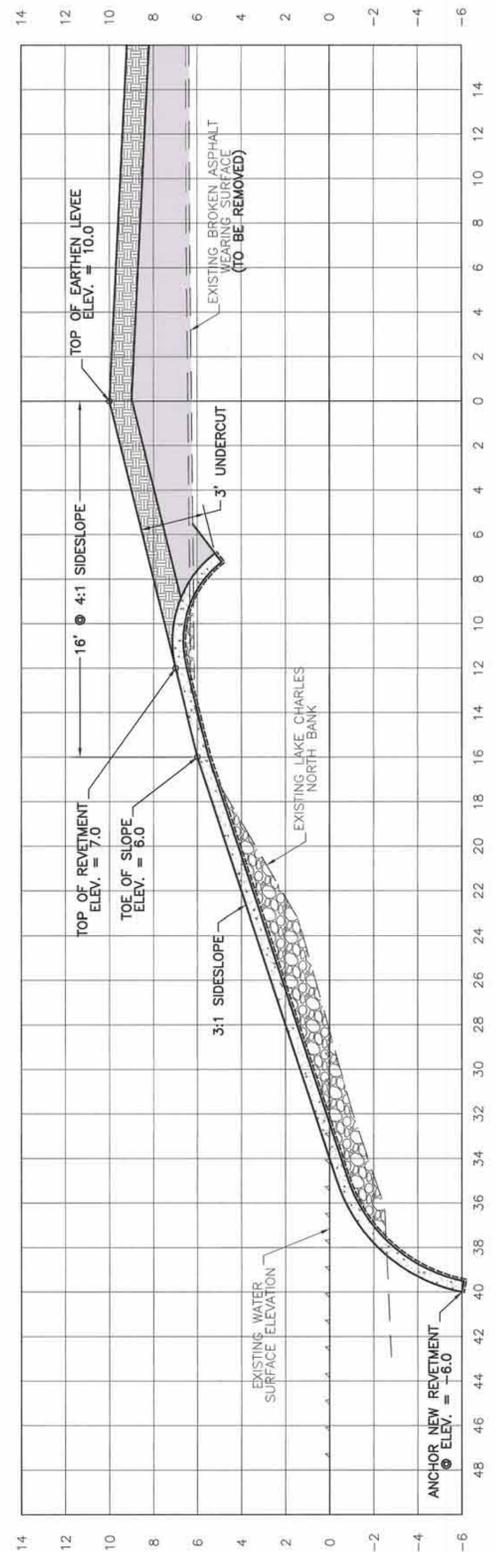
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PROJECT No. 2009-574
CITY of LAKE CHARLES
Piton Coulee Hurricane Surge Protection Improvements
@ Clarence Street
SURGE PROTECTION LEVEE CONSTRUCTION PLAN

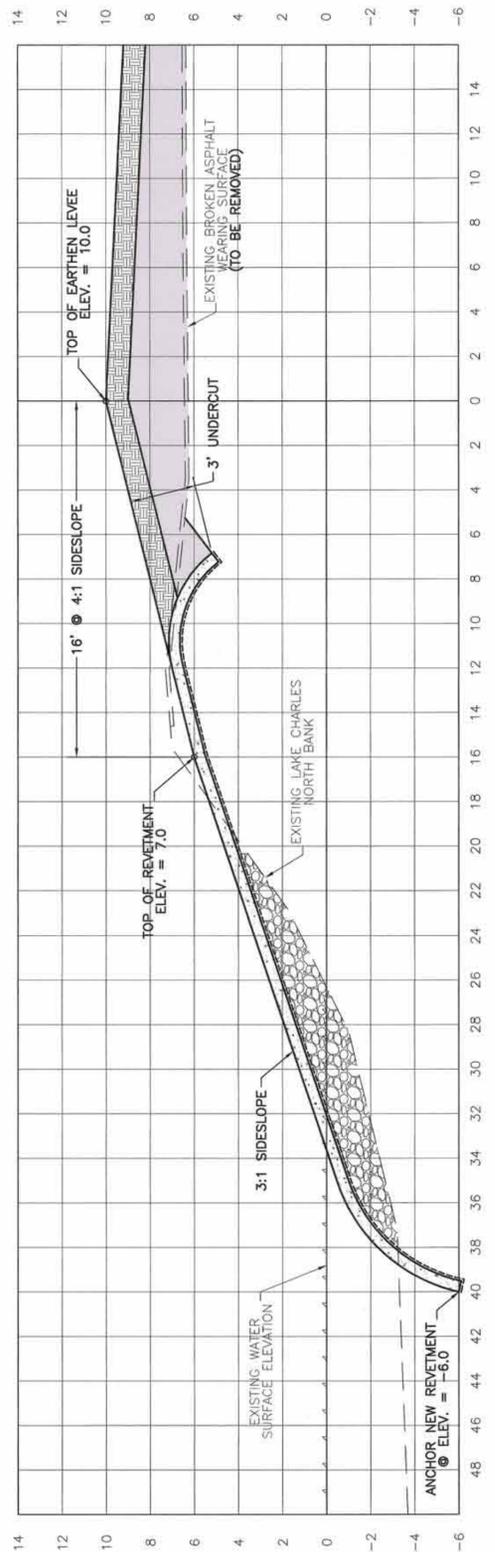
SHEET No.
C1.5



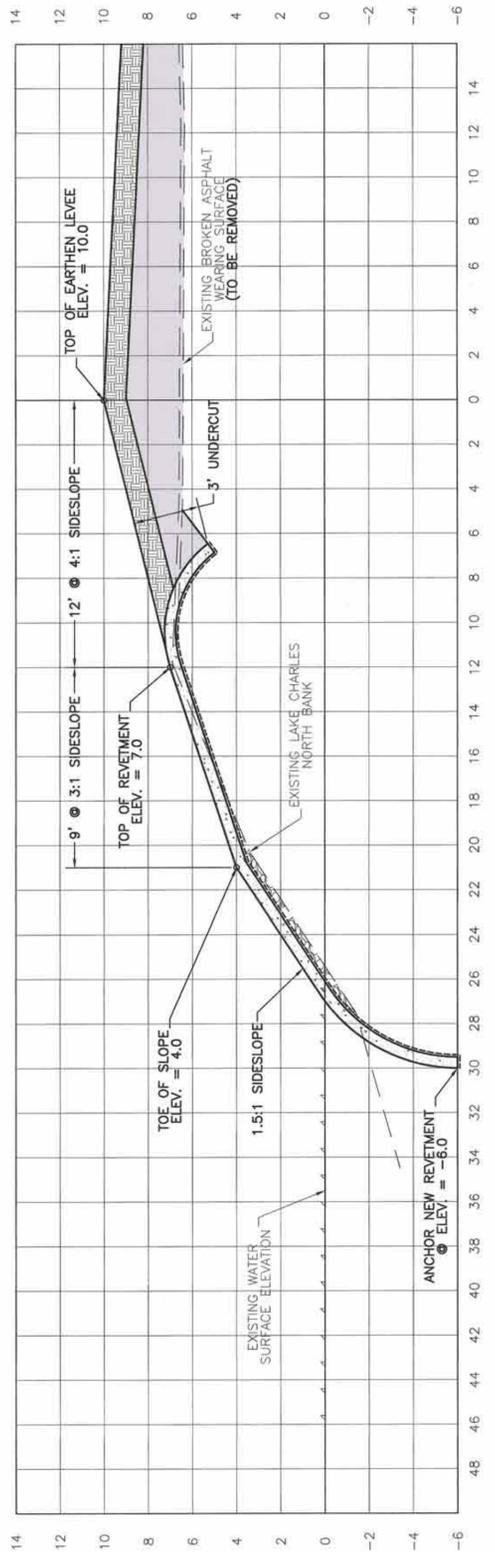
PROTECTION LEVEE STA. 0+88.4 (@ SEAWALL)



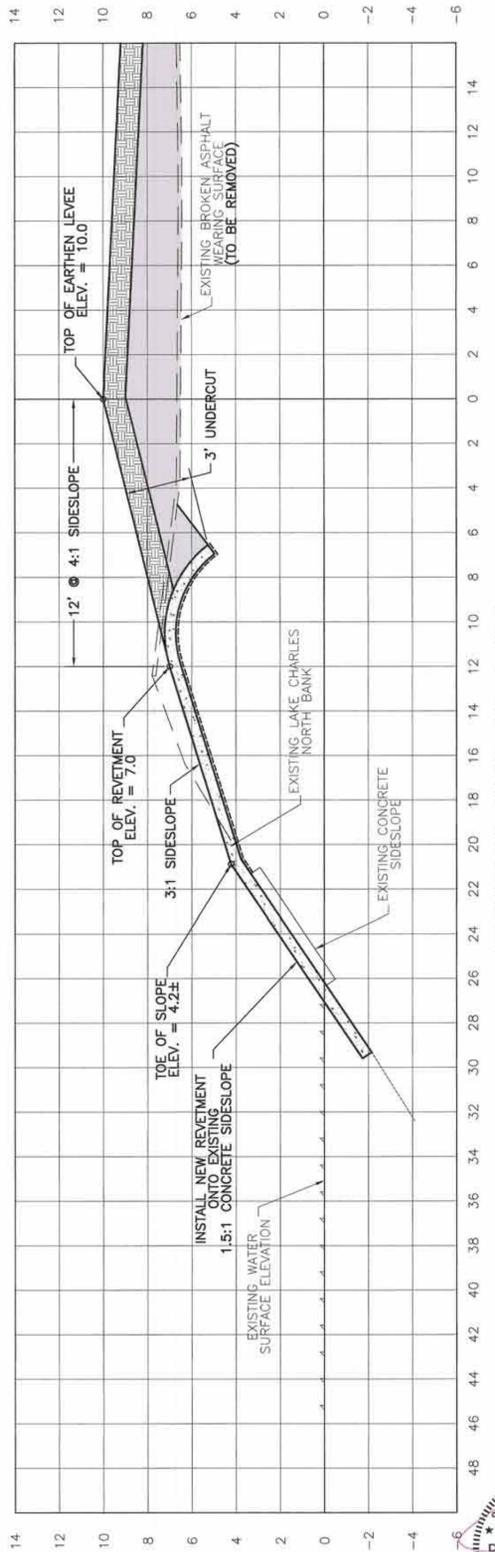
PROTECTION LEVEE STA. 0+84.6



PROTECTION LEVEE STA. 0+71.1



PROTECTION LEVEE STA. 0+48.2



PROTECTION LEVEE STA. 0+35.0



HORIZONTAL & VERTICAL SCALE: 1" = 4'

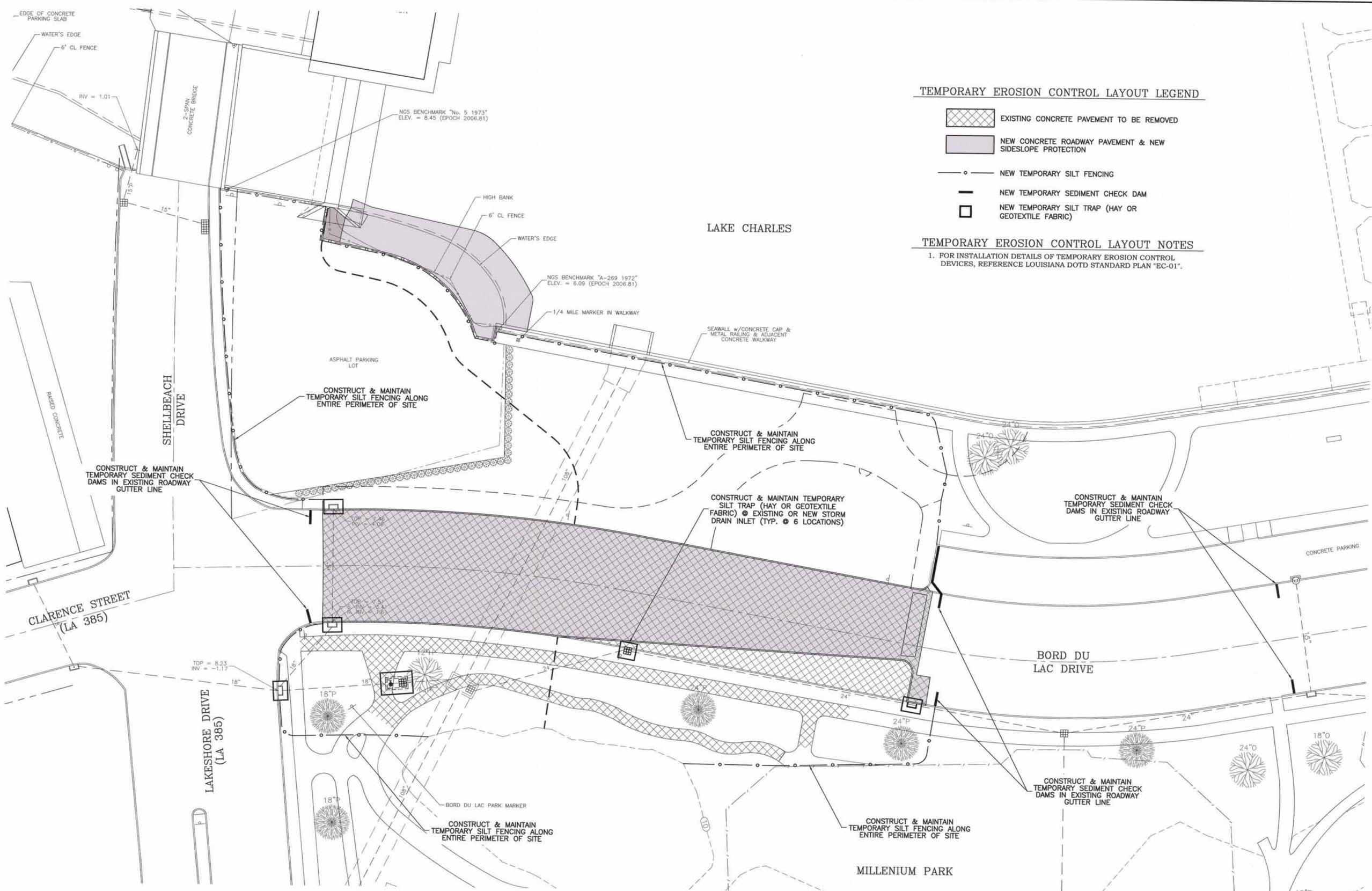
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PROJECT No. 2009-574	SHEET No.
CITY of LAKE CHARLES	
Pithon Coulee Hurricane Surge Protection Improvements @ Clarence Street	C1.6
SURGE PROTECTION LEVEE CONSTRUCTION CROSS SECTIONS	



TEMPORARY EROSION CONTROL LAYOUT LEGEND

-  EXISTING CONCRETE PAVEMENT TO BE REMOVED
-  NEW CONCRETE ROADWAY PAVEMENT & NEW SIDESLOPE PROTECTION
-  NEW TEMPORARY SILT FENCING
-  NEW TEMPORARY SEDIMENT CHECK DAM
-  NEW TEMPORARY SILT TRAP (HAY OR GEOTEXTILE FABRIC)

TEMPORARY EROSION CONTROL LAYOUT NOTES

1. FOR INSTALLATION DETAILS OF TEMPORARY EROSION CONTROL DEVICES, REFERENCE LOUISIANA DOTD STANDARD PLAN "EC-01".



SCALE: 1" = 20' (24x36 SHEET)
SCALE: 1" = 40' (11x17 SHEET)

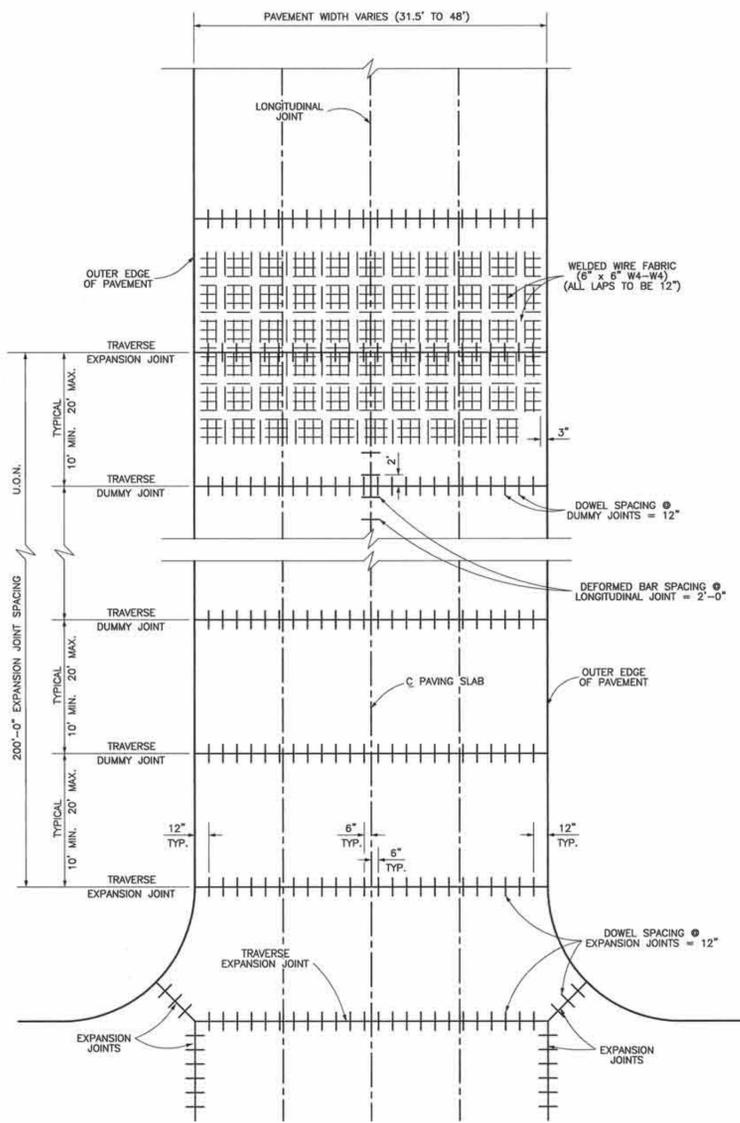
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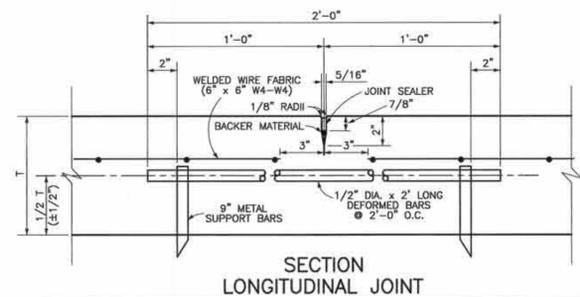
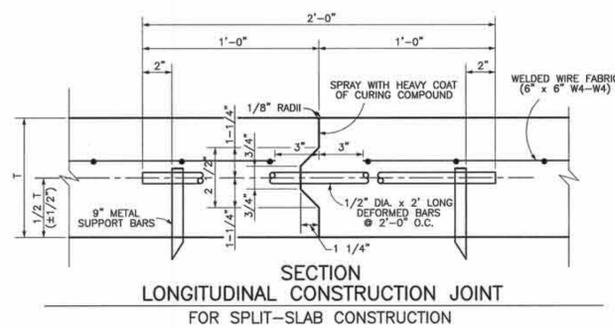
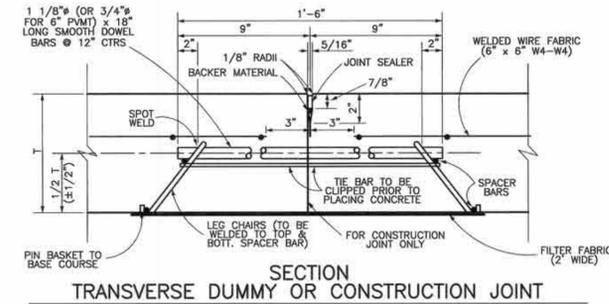
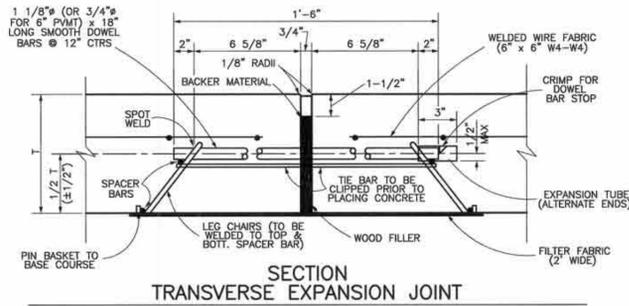
PROJECT No. 2009-574	SHEET No.
CITY of LAKE CHARLES	
Python Coulee Hurricane Surge Protection Improvements @ Clarence Street	C1.7
SURGE PROTECTION LEVEE TEMPORARY EROSION CONTROL PLAN	



PLAN VIEW OF ROADWAY SHOWING JOINTS AND STEEL REINFORCEMENT

GENERAL ROADWAY PAVEMENT NOTES:

1. JOINT SEALANT SHALL CONFORM TO ASTM D6690, TYPE II, STANDARD SPECIFICATIONS FOR JOINT AND CRACK SEALANTS, HOT APPLIED, FOR CONCRETE AND ASPHALT PAVEMENTS, AND FEDERAL SPECIFICATIONS SS-S-164 AND SS-S-140, SUCH AS CRAFCO ROADSAVER 222, OR APPROVED EQUAL.
2. ALL LOAD TRANSFER DOWELS SHALL BE SAW CUT AND PAINTED.
3. WELDED WIRE FABRIC SHALL BE PLACED APPROXIMATELY 2-1/2" BELOW THE FINISHED SURFACE OF THE PAVEMENT AND SUPPORTED ON ZIG-ZAG CHAIRS. WELDED WIRE FABRIC SHALL NOT EXTEND ACROSS EITHER TRANSVERSE OR LONGITUDINAL JOINTS.
4. FINAL FINISH AND TEXTURE SHALL BE OBTAINED BY USING A FABRIC DRAG FINISH. (REFER TO DOTD STANDARD SPECIFICATIONS FOR ROADS AND BRIDGES).
5. FOR SPLIT SLAB PAVING, BEFORE THE SECOND POUR IS STARTED, THE NEWLY EXPOSED CONCRETE OF THE LONGITUDINAL CONSTRUCTION JOINT SHALL BE COATED WITH A BOND BREAKER SO THAT THE FRESH CONCRETE WILL NOT ADHERE TO THE HARDENED AREA.
6. DAP CURB FOR WHEELCHAIR ACCESS AS DIRECTED BY THE PROJECT ENGINEER.
7. T = THICKNESS OF CONCRETE PAVEMENT

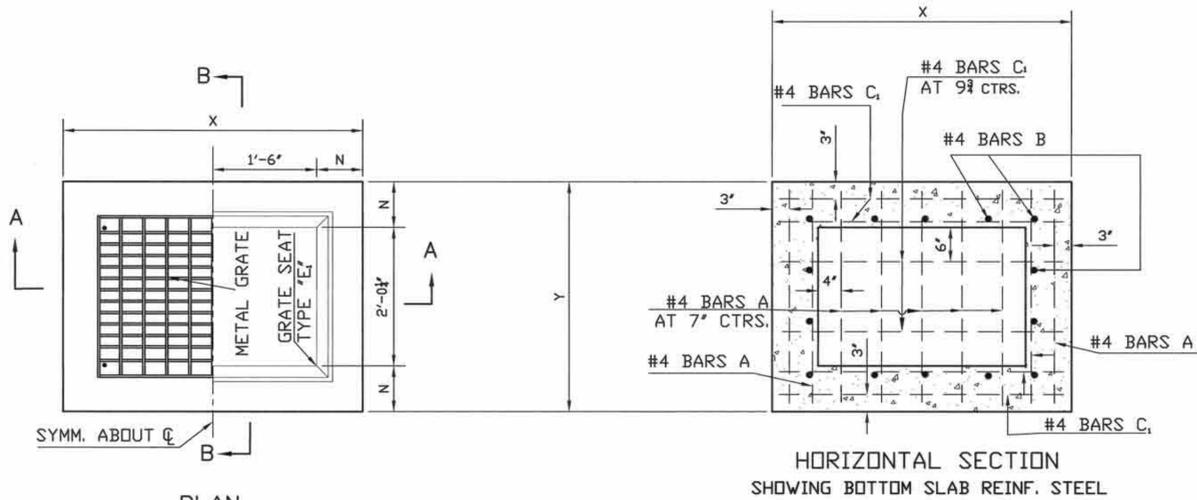


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PROJECT No. 2009-574	SHEET No.
CITY OF LAKE CHARLES	
Python Coulee Hurricane Surge Protection Improvements @ Clarence Street	C2.1
STANDARD CONCRETE PAVEMENT DETAILS	

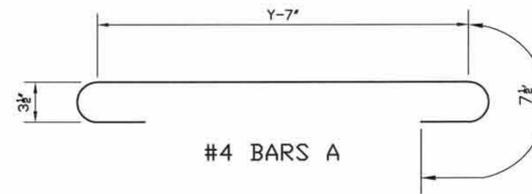


PLAN
GRATE TO BE TYPE 'C'

HORIZONTAL SECTION
SHOWING BOTTOM SLAB REINF. STEEL

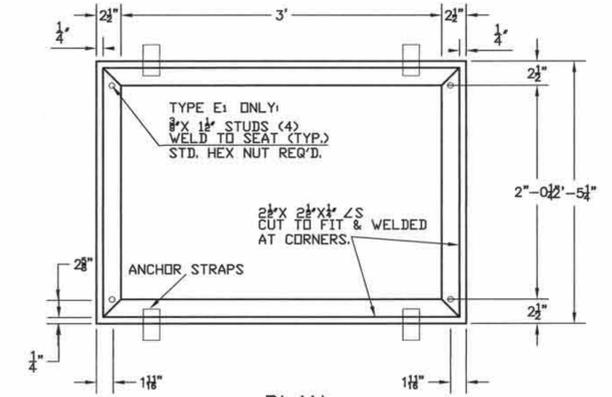
NOTES:
DIMENSIONS RELATING TO REINF. STEEL ARE
TO BAR CENTER.
#4 BARS B MAY BE SPLICED; SPLICE LENGTH = 12' MIN.

DIMENSIONS			
DEPTH OF BASIN	N	X	Y
	INCH	FT.- IN.	FT.- IN.
CONCRETE	0-8'	7	4-2
	8.1'-12'	8	4-4
			3-2 1/4
			3-4 1/4



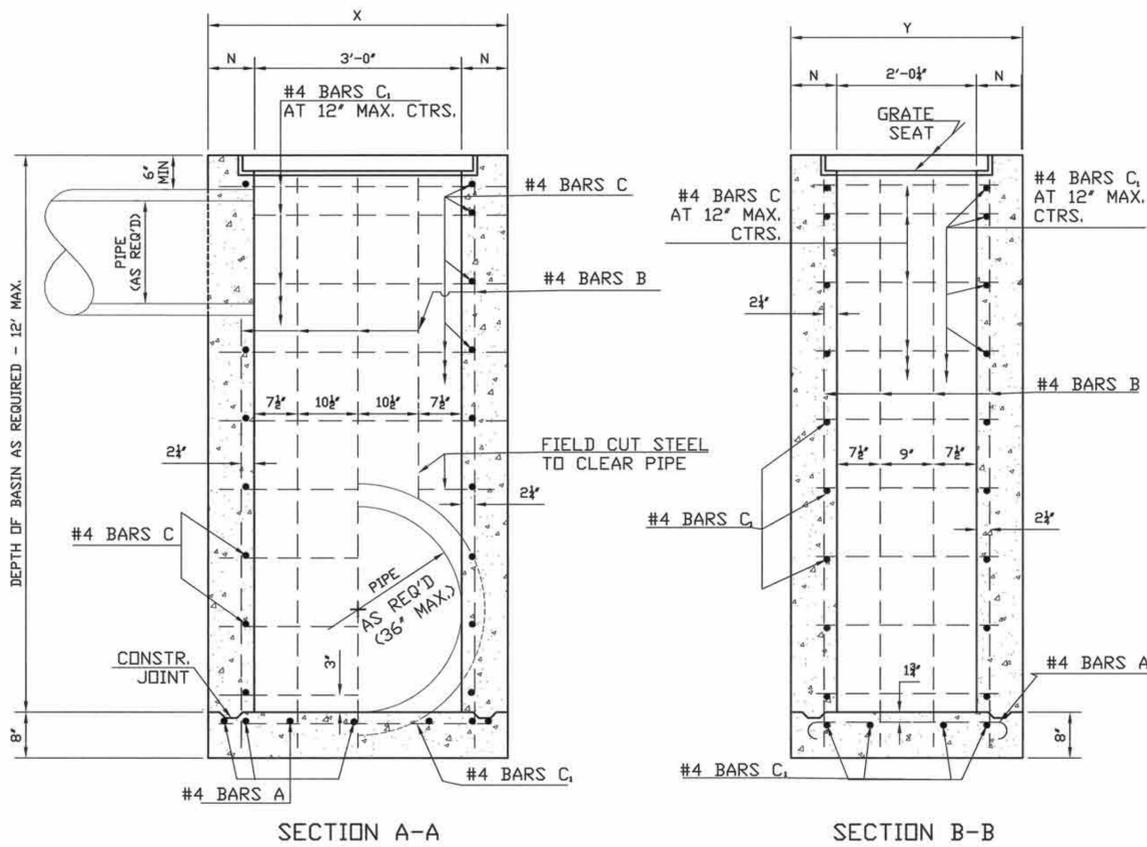
CONCRETE NOTES

1. ALL CONCRETE SHALL BE CLASS "M" CONCRETE IN ACCORDANCE WITH "LOUISIANA DOTD STANDARD SPECIFICATIONS FOR ROADS AND BRIDGES, 2000 EDITION.
2. CONCRETE VIBRATOR REQUIRED FOR ALL POURS.
3. INTERIOR OF BOX TO BE CLEANED AND COMPLETELY GROUTED.
4. ALL SHARP CORNERS OR PROTRUSIONS SHALL BE RUBBED OR GROUTED SMOOTH.



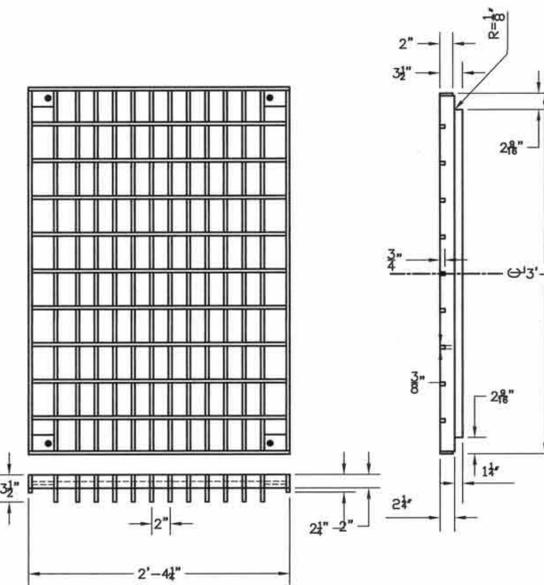
PLAN
GRATE SEAT TYPE 'E1'

NOTE: GRATE SEAT TO BE GALVANIZED AFTER FABRICATION.
WEIGHT OF GRATE SEAT = 52 lbs



SECTION A-A

SECTION B-B

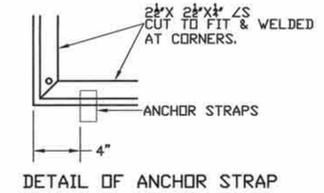


PLAN & ELEVATION VIEWS OF TYPE 'C' DRAIN
GRATE WELDED & SEALED

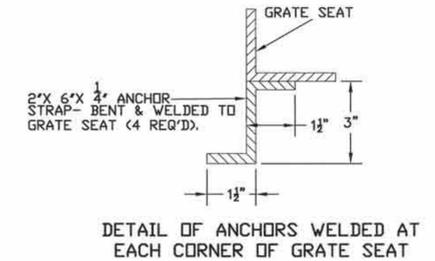
NOTE: CONTINUOUS WELD FOR FULL DEPTH EACH BEARING BAR TO END BARS AND CROSS BARS.
ALL BEARING BARS TO BE SET FLUSH ON GRATE SEAT.
WEIGHT OF DRAIN GRATE = 233 lbs. ± 5%

*TYPE 'C' GRATE TO BE USED WHERE PEDESTRIAN TRAFFIC IS EXPECTED. (REF. DOTD STANDARDS FOR ADDITIONAL DETAILS).

*RIVETED RETICULINE GRATE ALTERNATE CAN ALSO BE USED.



DETAIL OF ANCHOR STRAP



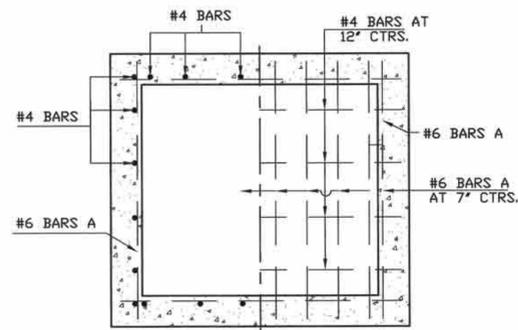
DETAIL OF ANCHORS WELDED AT EACH CORNER OF GRATE SEAT



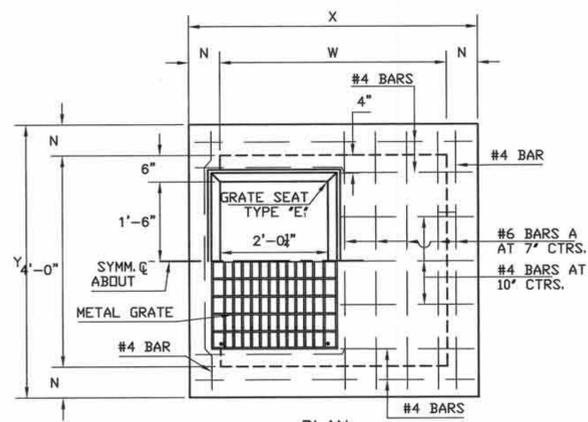
D.W.J.
D. W. Jessen & Associates, LLC
Civil and Consulting Engineers Lake Charles, Louisiana
440 Kirby Street Lake Charles, LA 70601
Phone: (337)433-0561 Fax: (337)433-5842
D. W. Jessen, Jr., P.E., P.L.S.
C.E. La. Reg. No. 21449 P.L.S. La. Reg. No. 4646

PROJECT No. 2009-574	SHEET No.
CITY OF LAKE CHARLES	
Pithon Coulee Hurricane Surge Protection Improvements @ Clarence Street	C2.2
STANDARD "CB-01" DROP INLET DETAILS	

No.	DATE	REVISION DESCRIPTION	BY	FIELD BOOK
			DRAWN	W. A. DUNCAN, Jr.
			APPROVED	D. W. JESSEN, Jr.
			DATE	06-25-2010
			ACAD FILE	City 2009-574 (Pithon Coulee Surge Protection Levee)
			REFERENCE	N/A
			FIELD BOOK	DRAIN 4 2006-01



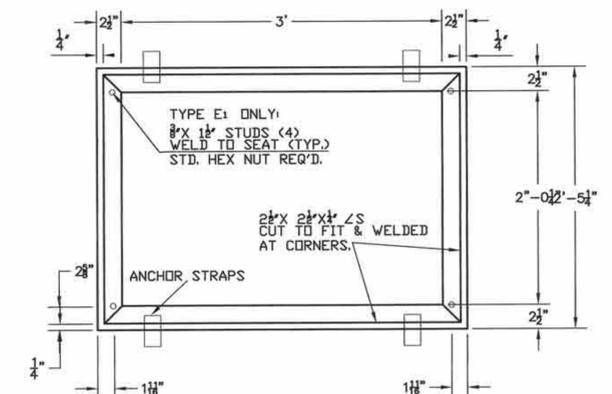
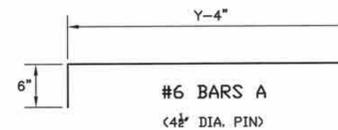
SECTIONAL PLAN
(SHOWING BOTTOM SLAB & WALLS)



PLAN
*GRATE TO BE TYPE 'C'

TRUNK PIPE INCHES	DEPTH TO 8 FEET					DEPTH 8 FT. TO 12 FT.				
	N	T	W	X	Y	N	T	W	X	Y
	INCH	INCH	FT.- IN.	FT.- IN.	FT.- IN.	INCH	INCH	FT.- IN.	FT.- IN.	FT.- IN.
42	7	9	4-3	5-5	5-2	8	9	4-3	5-7	5-4
48	7	9	4-10	6-0	5-2	8	9	4-10	6-2	5-4
54	7	9	5-5	6-7	5-2	8	9	5-5	6-9	5-4
60	7	10	6-0	7-2	5-2	8	10	6-0	7-4	5-4
72	7	10	7-2	8-4	5-2	8	10	7-2	8-6	5-4
84	8	10	8-0	9-8	5-2	9	10	8-4	9-10	5-4

NOTE:
X & W DIMENSIONS MAY BE VARIED FOR SKEWED PIPE, BUT W SHALL NOT EXCEED 7'-2"



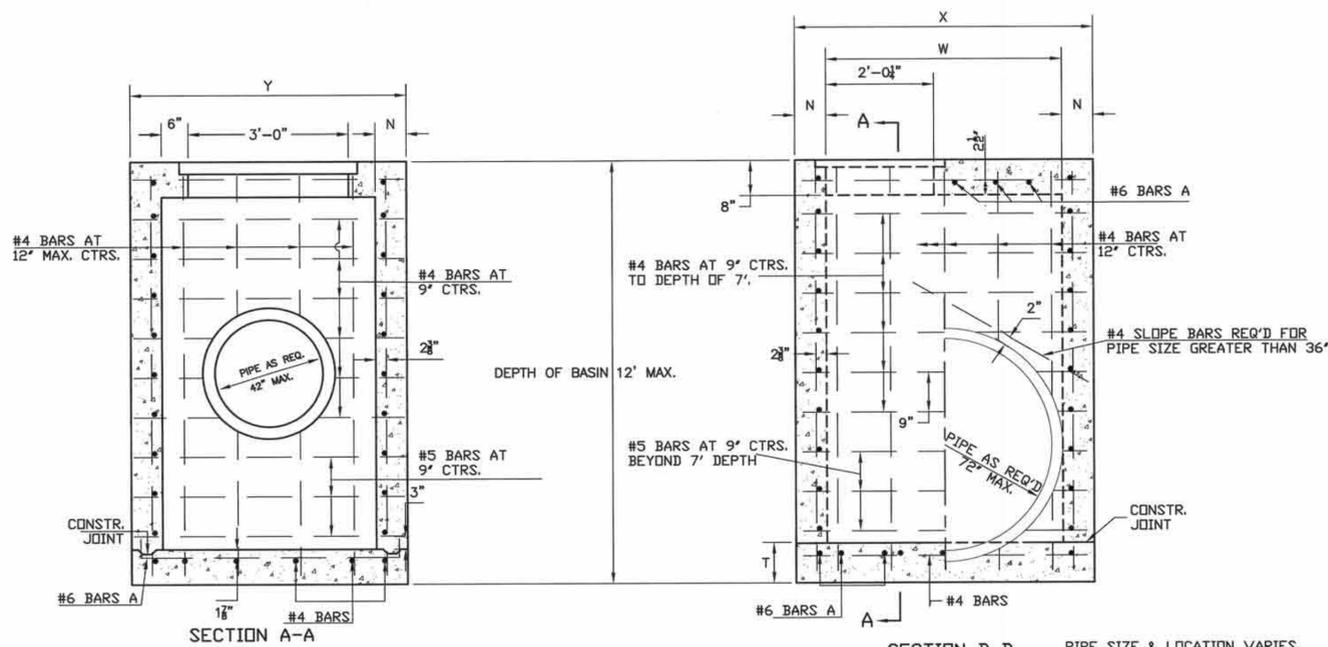
PLAN
GRATE SEAT TYPE 'E1'

NOTE: GRATE SEAT TO BE GALVANIZED AFTER FABRICATION.
WEIGHT OF GRATE SEAT = 52 lbs

GENERAL NOTES:
DIMENSIONS RELATING TO REINFORCING STEEL ARE TO BAR CENTERS.
VERTICAL REINFORCING STEEL MAY BE SPLICED. SPLICE LENGTH FOR #4 BARS IS =12' MIN.

CONCRETE NOTES

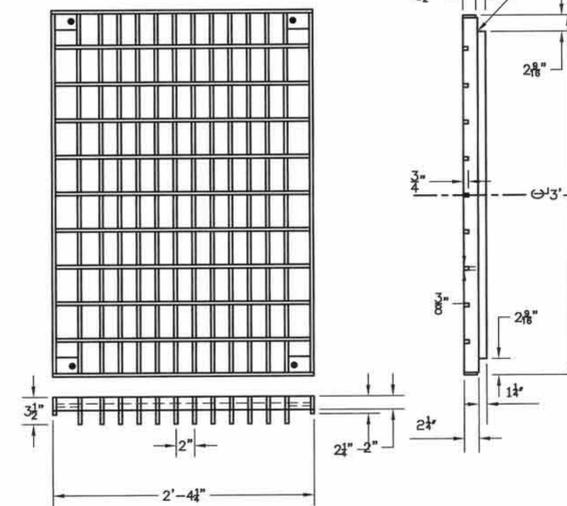
1. ALL CONCRETE SHALL BE CLASS "M" CONCRETE IN ACCORDANCE WITH "LOUISIANA DOTD STANDARD SPECIFICATIONS FOR ROADS AND BRIDGES, 2000 EDITION.
2. CONCRETE VIBRATOR REQUIRED FOR ALL POURS.
3. INTERIOR OF BOX TO BE CLEANED AND COMPLETELY GROUTED.
4. ALL SHARP CORNERS OR PROTRUSIONS SHALL BE RUBBED OR GROUTED SMOOTH.



SECTION A-A

SECTION B-B

PIPE SIZE & LOCATION VARIES.
CUT REINFORCED STEEL TO CLEAR,
AS REQUIRED.

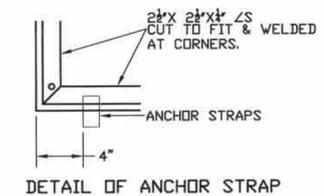


PLAN & ELEVATION VIEWS OF TYPE 'C' DRAIN
GRATE WELDED & SEALED

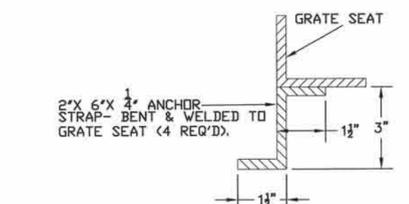
NOTE: CONTINUOUS WELD FOR FULL DEPTH EACH BEARING BAR TO END BARS AND CROSS BARS.
ALL BEARING BARS TO BE SET FLUSH ON GRATE SEAT.
WEIGHT OF DRAIN GRATE = 233 lbs. ± 5%

*TYPE 'C' GRATE TO BE USED WHERE PEDESTRIAN TRAFFIC IS EXPECTED. (REF. DOTD STANDARDS FOR ADDITIONAL DETAILS).

*RIVETED RETICULINE GRATE ALTERNATE CAN ALSO BE USED.



DETAIL OF ANCHOR STRAP



DETAIL OF ANCHORS WELDED AT EACH CORNER OF GRATE SEAT

IMPORTANT NOTE
THE GRATE & SEAT AS SHOWN HEREON DOES NOT APPLY FOR THIS PROJECT. SEE CONSTRUCTION PLAN SHEET FOR MANUFACTURER AND MODEL NUMBER OF REQUIRED FRAME & COVER.



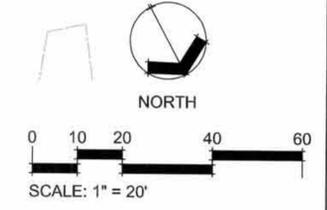
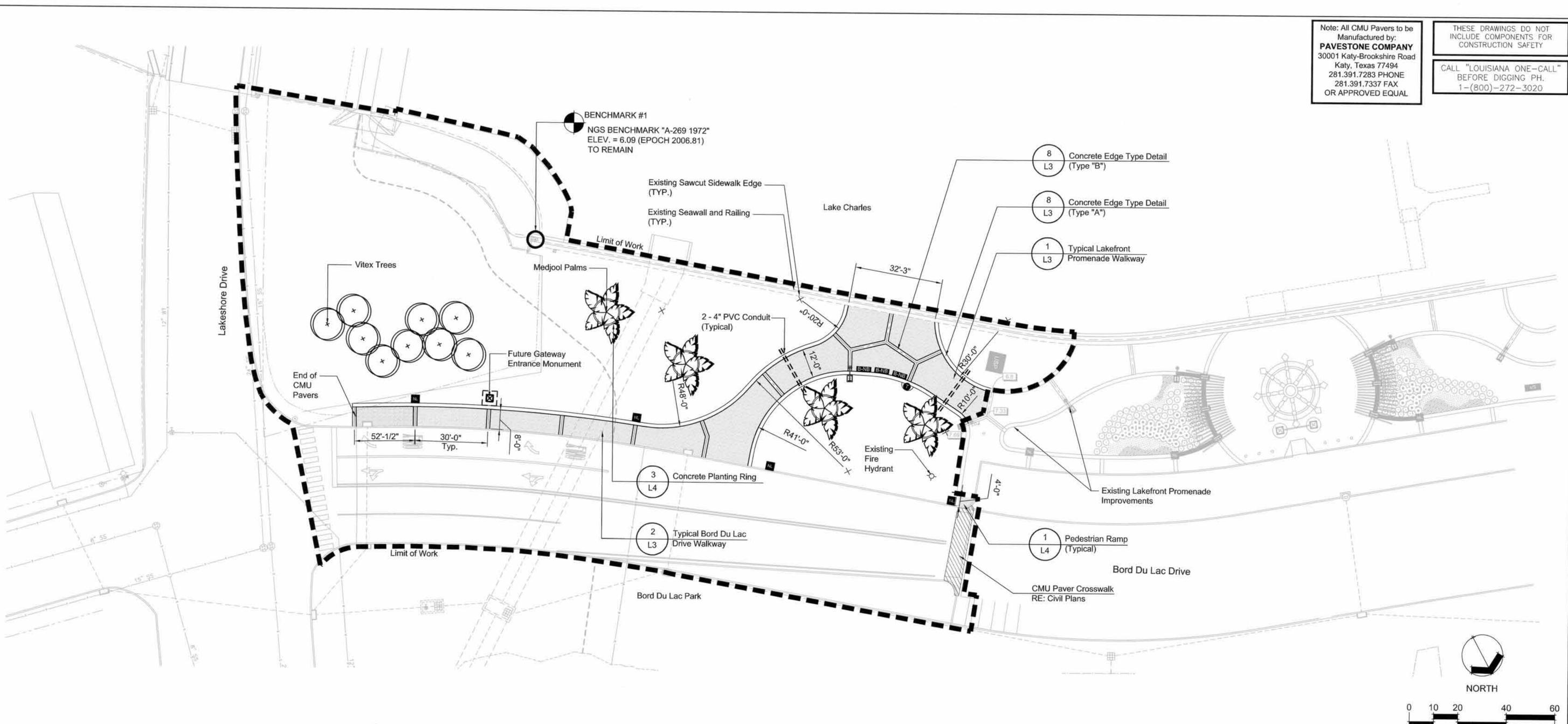
NO.	DATE	REVISION DESCRIPTION	BY	FIELD BOOK

D.W.J.
D. W. Jessen & Associates, LLC
Civil and Consulting Engineers Lake Charles, Louisiana
440 Kirby Street Lake Charles, LA 70601
Phone: (337)433-0561 Fax: (337)433-3842
D. W. Jessen, Jr., P.E., P.L.S.
C.E. La. Reg. No. 21449 P.L.S. La. Reg. No. 4646

PROJECT No. 2009-574	SHEET No.
CITY OF LAKE CHARLES	
Pithon Coulee Hurricane Surge Protection Improvements @ Clarence Street	C2.3
STANDARD "CB-02" DROP INLET DETAILS	

Note: All CMU Pavers to be Manufactured by:
PAVESTONE COMPANY
 30001 Katy-Brookshire Road
 Katy, Texas 77494
 281.391.7283 PHONE
 281.391.7337 FAX
 OR APPROVED EQUAL

THESE DRAWINGS DO NOT INCLUDE COMPONENTS FOR CONSTRUCTION SAFETY
 CALL "LOUISIANA ONE-CALL" BEFORE DIGGING PH. 1-(800)-272-3020



SITE LABELS AND REFERENCES

ENLARGEMENT DETAIL AREA NUMBER: L10

AREA OF ENLARGEMENT DETAIL

SHEET NUMBER WHERE ENLARGED DETAIL AREA IS DRAWN

DETAIL NUMBER: L9

NAME OF DETAIL: Proposed 18" Concrete Banding (TYP.)

SHEET NUMBER WHERE DETAIL IS DRAWN

SYMBOL LEGEND

- CUSTOM LIGHTING FIXTURE RE: ELECTRICAL PLANS
- NEW LIGHTING FIXTURE RE: ELECTRICAL PLANS
- EXISTING UTILITY SERVICE POINT
- BENCH WITH NO BACK SEE DETAIL 4, SHEET L4
- LITTER RECEPTACLE SEE DETAIL 5, SHEET L4
- 4" PVC CONDUIT

GENERAL PROJECT NOTES:

- CONTRACTOR SHALL COORDINATE ALL WORK WITH OWNER TO MINIMIZE SITE DISRUPTIONS AND MAINTAIN ALL SAFETY PRECAUTIONS. COORDINATE DELIVERIES AND POTENTIAL TRAFFIC INTERRUPTIONS.
- CONTRACTOR SHALL FULLY ACKNOWLEDGE THE SAFETY PLAN AND PROCEDURES IDENTIFIED IN THE PROJECT SPECIFICATIONS. CONTRACTOR IS ENCOURAGED TO NOTIFY AND COORDINATE WITH ALL SUBCONTRACTORS AND OTHERS THAT MAY ENTER THE SITE TO ENSURE COMPLIANCE WITH THE SPECIFIED PROCEDURES.
- CONTRACTOR SHALL PROTECT ALL WORK UNTIL ACCEPTANCE OF THE PROJECT BY THE OWNER AND PROJECT ENGINEER. PROVIDE BARRICADES, CONSTRUCTION AND TEMPORARY FENCING, AND WARNING SIGNS AS NEEDED TO PROVIDE SAFE CONDITIONS, LIMIT ACCESS AND PROVIDE PROTECTION TO THE PROJECT.
- CONTRACTOR SHALL EXERCISE EXTREME CARE DURING CONSTRUCTION AND NOT DAMAGE EXISTING AMENITIES INDICATED TO REMAIN. CONTRACTOR SHALL BE HELD RESPONSIBLE FOR ANY DAMAGE TO THE EXISTING AMENITIES INCLUDING BUT NOT LIMITED TO: SEAWALL AND RAILINGS, UTILITIES, EXISTING LANDSCAPING, EXISTING PAVERS AND CONCRETE WORK FENCES, ETC.
- CONTRACTOR SHALL MAINTAIN THE PROJECT SITE IN A NEAT AND ORDERLY CONDITION AT ALL TIMES. DAILY AND MORE IF NECESSARY, INSPECT THE SITE AND REMOVE FROM THE SITE ALL SCRAP, DEBRIS, AND WASTE.
- ALL STORAGE AND STAGING SHALL BE CONFINED BY THE LIMITS OF THE WORK. COORDINATE ANY SPECIAL REQUIREMENT WITH THE LANDSCAPE ARCHITECT AND THE OWNER'S REPRESENTATIVE.



No.	DATE	REVISION DESCRIPTION	BY	FIELD BOOK

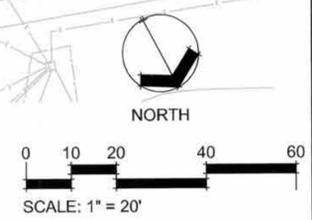
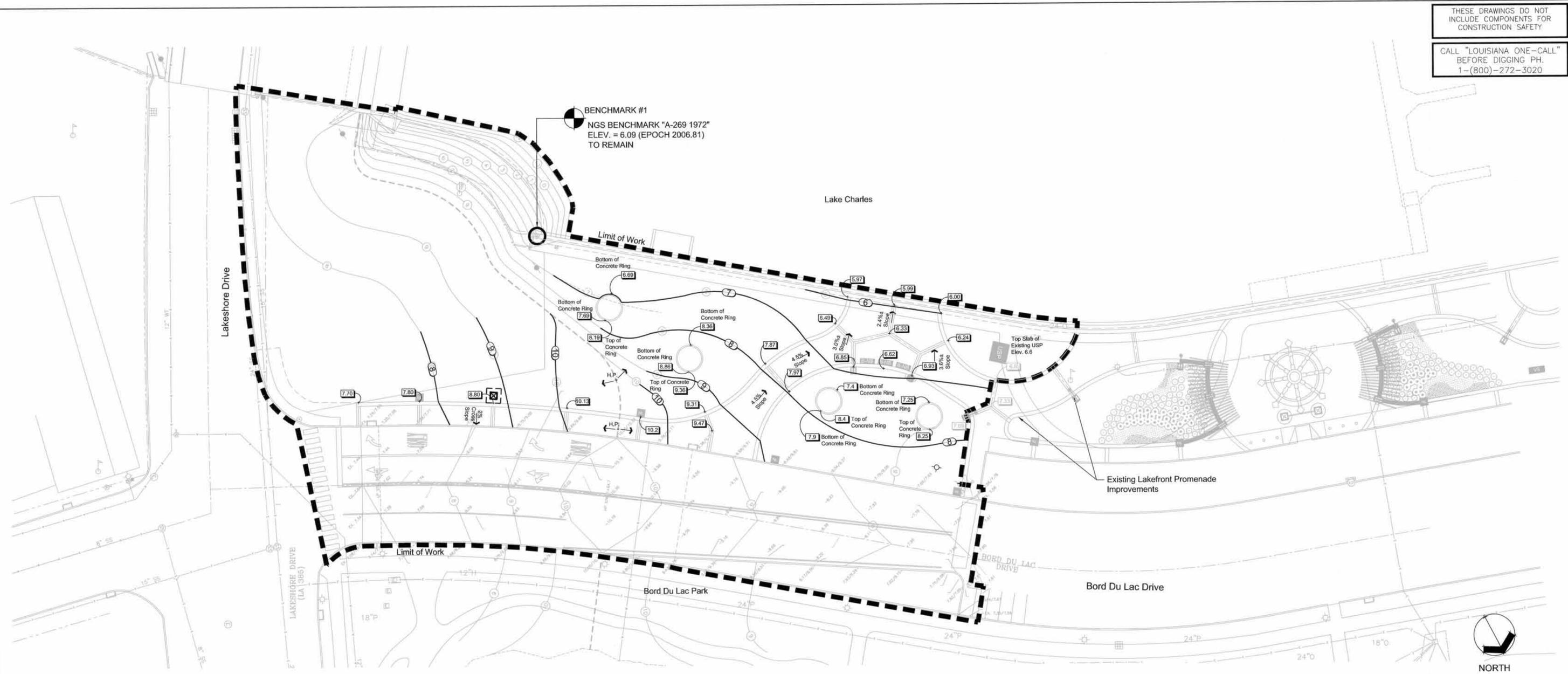
D.W.J.
D. W. Jessen & Associates, LLC
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 440 Kirby Street Lake Charles, LA 70601
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 D. W. Jessen, Jr., P.E., P.L.S.
 C.E. La. Reg. No. 21449 P.L.S. La. Reg. No. 4646

PROJECT No. 2009-574
CITY of LAKE CHARLES
 Python Coulee Hurricane Surge Protection Improvements
 @ Clarence Street
 SITE LAYOUT PLAN

SHEET No. L1

THESE DRAWINGS DO NOT INCLUDE COMPONENTS FOR CONSTRUCTION SAFETY

CALL "LOUISIANA ONE-CALL" BEFORE DIGGING PH. 1-(800)-272-3020



SITE GRADING AND DRAINAGE LEGEND

+ 6.29	EXISTING SPOT GRADE ELEVATION
7	EXISTING MINOR CONTOUR ELEVATION
16	EXISTING MAJOR CONTOUR ELEVATION
6.7	PROPOSED SPOT GRADE ELEVATION
6	PROPOSED CONTOUR ELEVATION
---	LIMIT OF WORK

- DRAINAGE AND GRADING NOTES:**
1. CONTRACTOR RESPONSIBLE FOR POSITIVE DRAINAGE IN ALL AREAS. PROPOSED ELEVATIONS PROVIDE GUIDANCE FOR OVERALL DRAINAGE PATTERNS TO BE ACHIEVED.
 2. ALL ROUGH GRADING AND BERMING TO BE APPROVED BY LANDSCAPE ARCHITECT PRIOR TO FINAL GRADING.
 3. ALL GRADE WORK SHALL COMPLY WITH THE CURRENT AMERICANS WITH DISABILITIES ACT. CONTRACTOR SHALL BE RESPONSIBLE TO ENSURE THAT ALL PROVISIONS OF A.D.A. ARE MET WITH REGARDS TO SIDEWALKS, SLOPES, BERMS, SWALES, AND DITCHES.
 4. CONTRACTOR TO REMOVE ALL CONSTRUCTION DEBRIS FROM SITE. ANY MATERIAL FOUND WITHIN THE ONE YEAR WARRANTY PERIOD BURIED WILL BE IMMEDIATELY REMOVED BY CONTRACTOR AND AREA REPAIRED AT HIS EXPENSE.

		DRAWN	
		APPROVED	D. W. JESSEN, Jr.
		DATE	6-18-2010
		ACAD FILE	Surge_Site grading.dwg
		REFERENCE	N/A
No.	DATE	REVISION DESCRIPTION	BY

D.W.J.

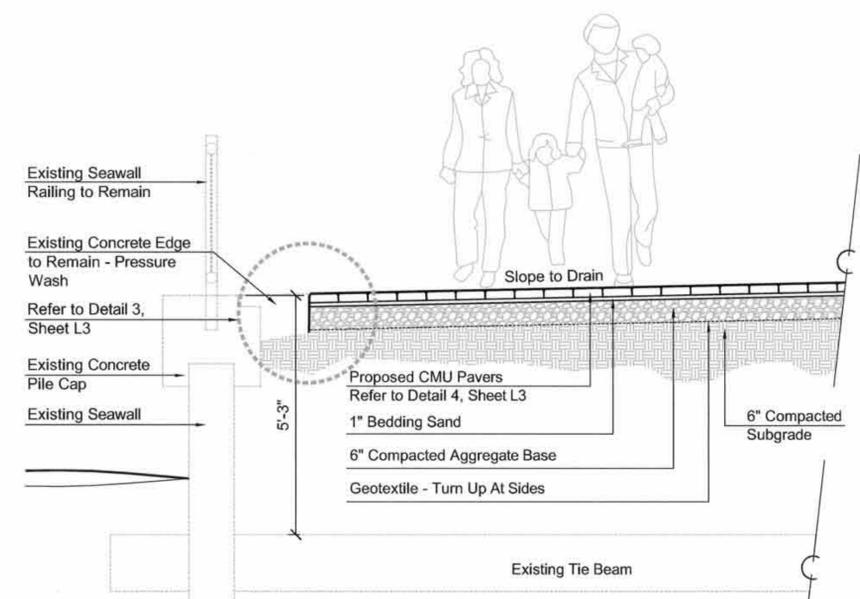
D. W. Jessen & Associates, LLC
 Civil and Consulting Engineers Lake Charles, Louisiana
 440 Kirby Street Lake Charles, LA 70601
 Phone: (337)433-0561 Fax: (337)433-5842
 D. W. Jessen, Jr., P.E., P.L.S.
 C.E. La. Reg. No. 21449 P.L.S. La. Reg. No. 4646

PROJECT No. 2009-574	SHEET No.
CITY of LAKE CHARLES	L2
Pithon Coulee Hurricane Surge Protection Improvements @ Clarence Street	
SITE GRADING PLAN	

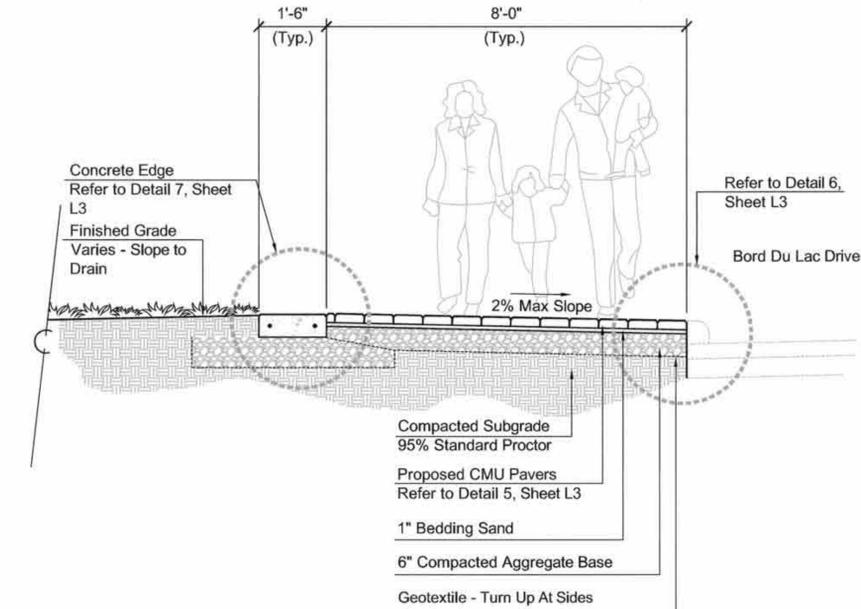


Note: All CMU Pavers to be Manufactured by:
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 OR APPROVED EQUAL

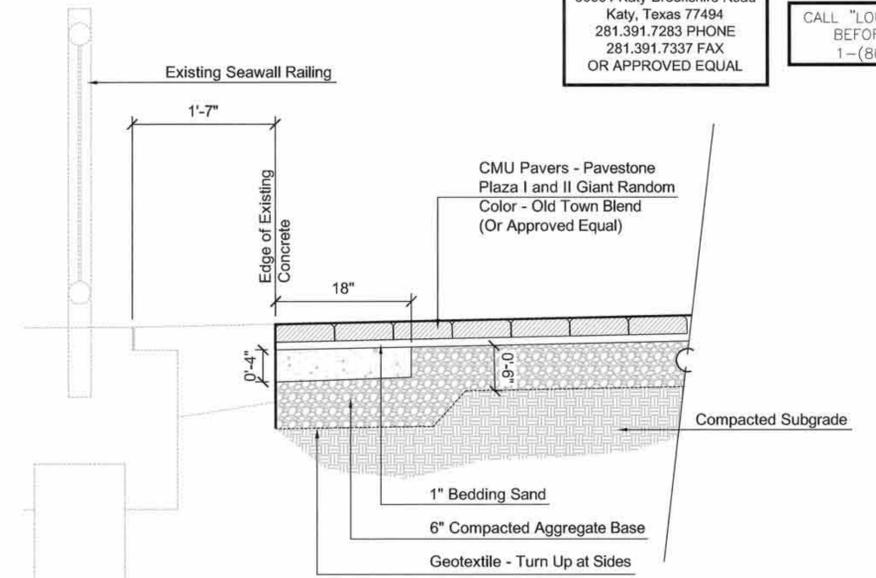
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 1-(800)-272-3020



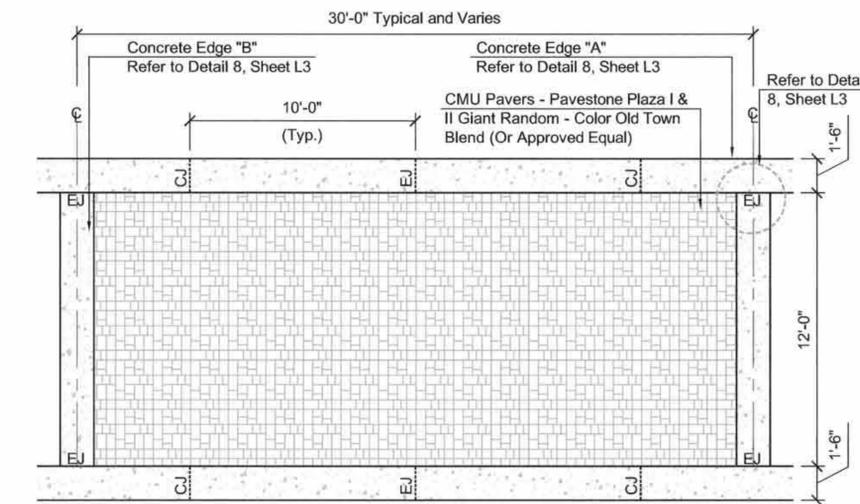
1 Typical Lakefront Promenade Walkway - Section
 Scale: 1/2" = 1'-0"



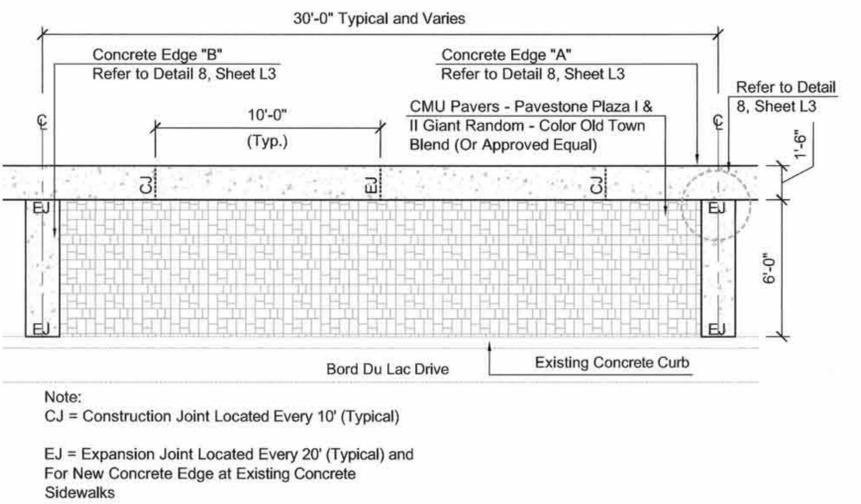
2 Typical Bord Du Lac Drive Walkway
 Scale: 1/2" = 1'-0"



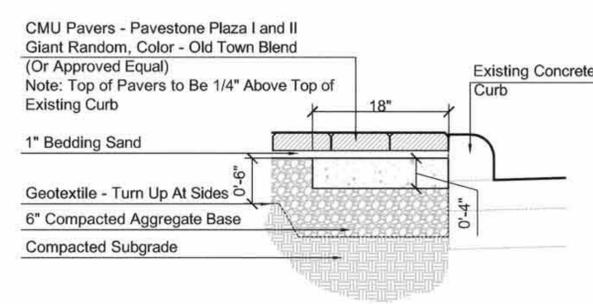
3 CMU Pavers Adjacent to Sawcut Sidewalk At Seawall
 Scale: 1" = 1'-0"



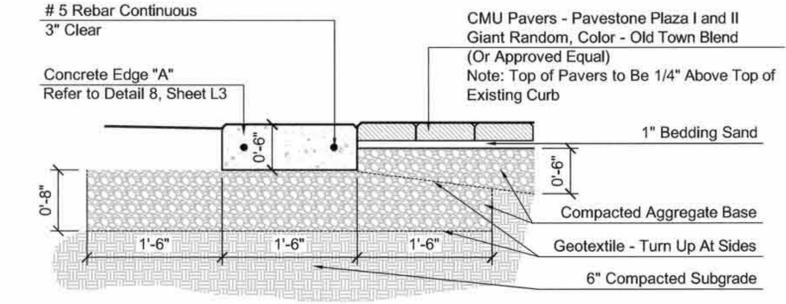
4 Typical Lakefront Promenade Walkway - Plan View
 Scale: 1/4" = 1'-0"



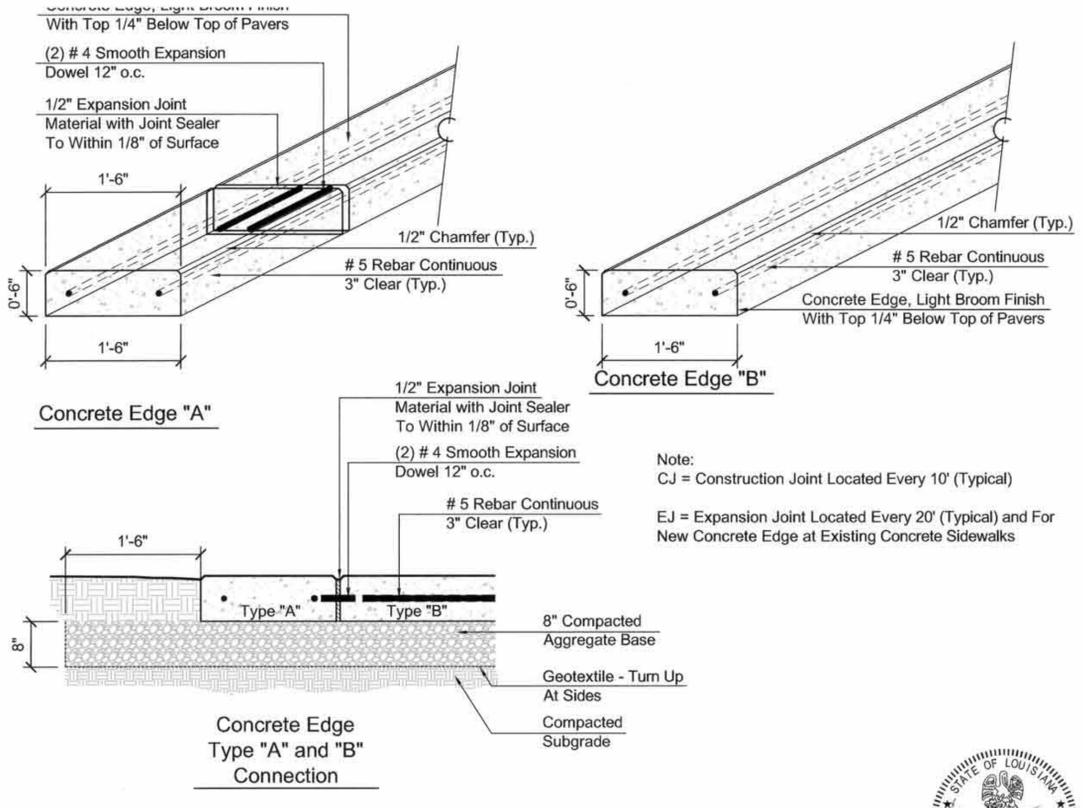
5 Typical Bord Du Lac Drive Walkway - Plan View
 Scale: 1/4" = 1'-0"



6 CMU Pavers Adjacent to New or Existing Concrete Curb
 Scale: 1" = 1'-0"



7 CMU Pavers Adjacent to New Concrete Edge
 Scale: 1" = 1'-0"



8 Concrete Edge Type Detail
 Scale: 1" = 1'-0"

			DRAWN	
			APPROVED	D. W. JESSEN, Jr.
			DATE	6-18-2010
			ACAD FILE	site details.dwg
			REFERENCE	N/A
			FIELD BOOK	N/A
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PROJECT No. 2009-574
CITY of LAKE CHARLES
 Python Coulee Hurricane Surge Protection Improvements
 @ Clarence Street
 SITE DETAILS

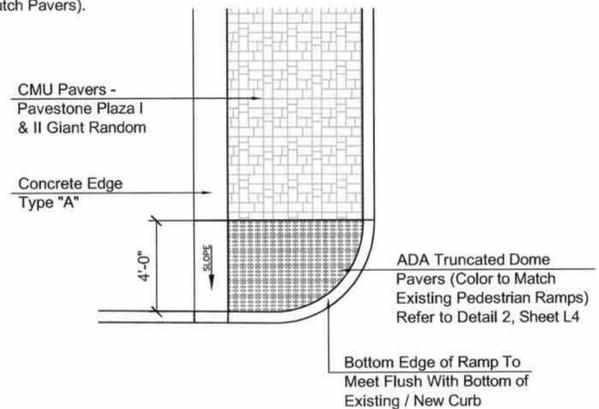
SHEET No. L3



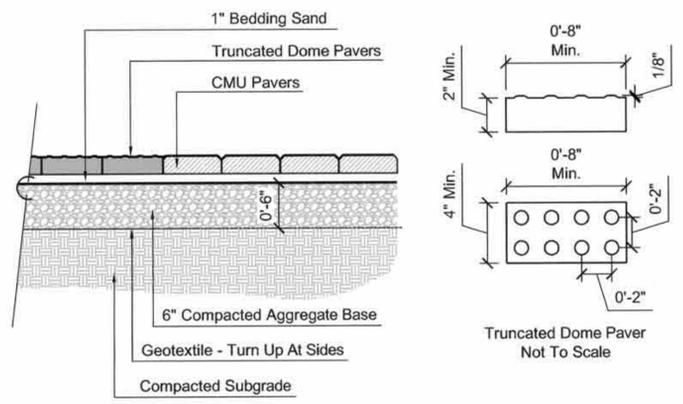
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CALL "LOUISIANA ONE-CALL" BEFORE DIGGING PH. 1-(800)-272-3020

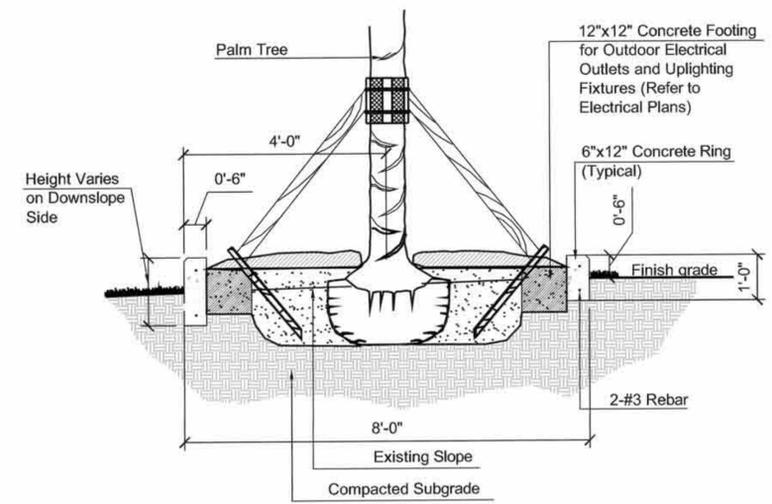
Accessible Ramp Area. Slope As Indicated Or Per The Most Current ADA Regulations. Detectable Warning Truncated Dome Paver Arrayed To The Dimensions Indicated. Pavers To Be Thinset In Place And The Joints Grouted (Colored To Match Pavers).



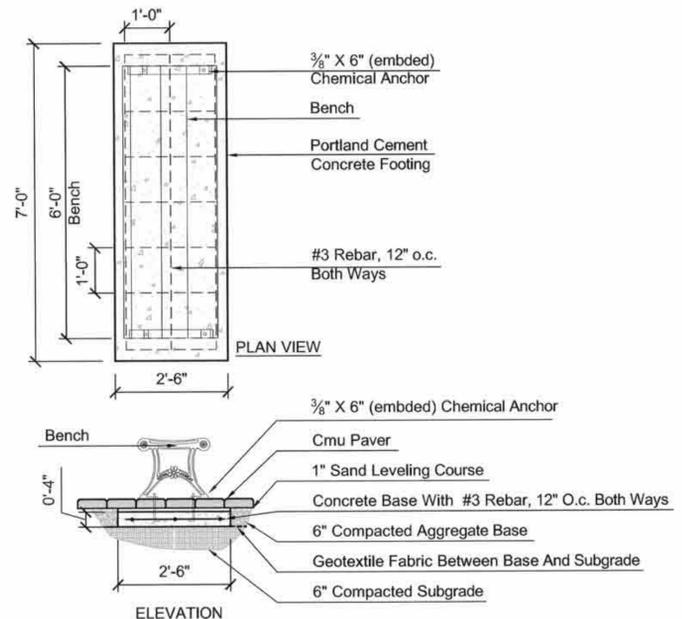
1 Pedestrian Ramp
Scale: 1/4" = 1'-0"



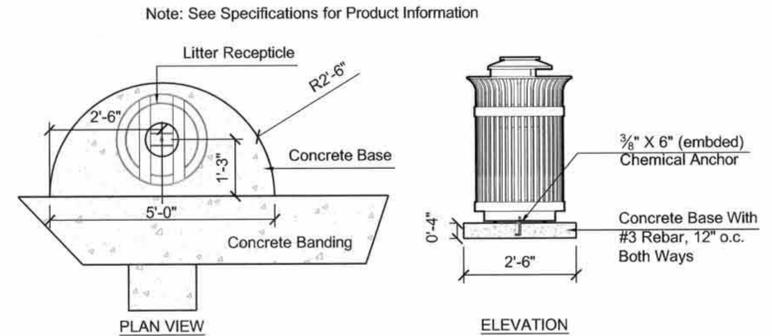
2 CMU Pavers Adjacent to Pedestrian Ramp
Scale: 1" = 1'-0"



3 Concrete Planting Ring
Scale: 1/2" = 1'-0"



4 Typical Bench with Foundation
Scale: 1/2" = 1'-0"



5 Typical Litter Receptacle with Foundation
Scale: 1/2" = 1'-0"

No.	DATE	REVISION DESCRIPTION	BY	FIELD BOOK
			DRAWN	
			APPROVED	D. W. JESSEN, Jr.
			DATE	6-18-2010
			ACAD FILE	site details.dwg
			REFERENCE	N/A
				N/A

D.W.J.

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PROJECT No. 2009-574

CITY of LAKE CHARLES

Pithon Coulee Hurricane Surge Protection Improvements
@ Clarence Street

SITE DETAILS

SHEET No.
L4



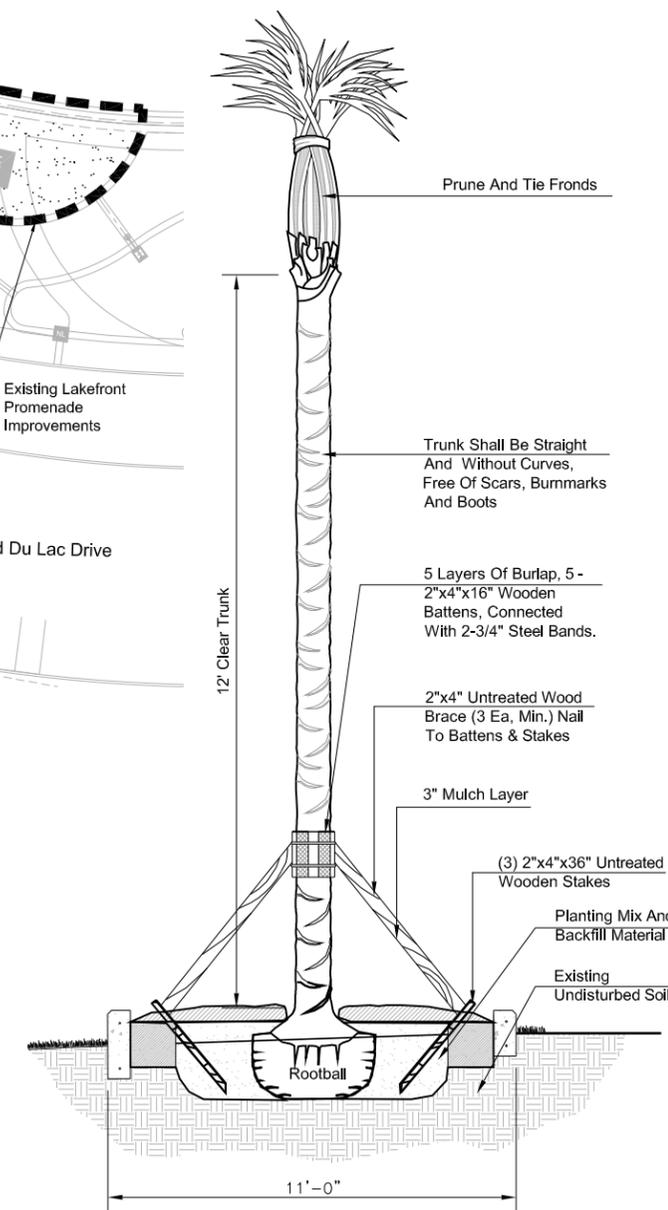
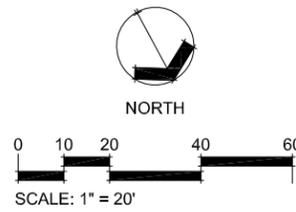
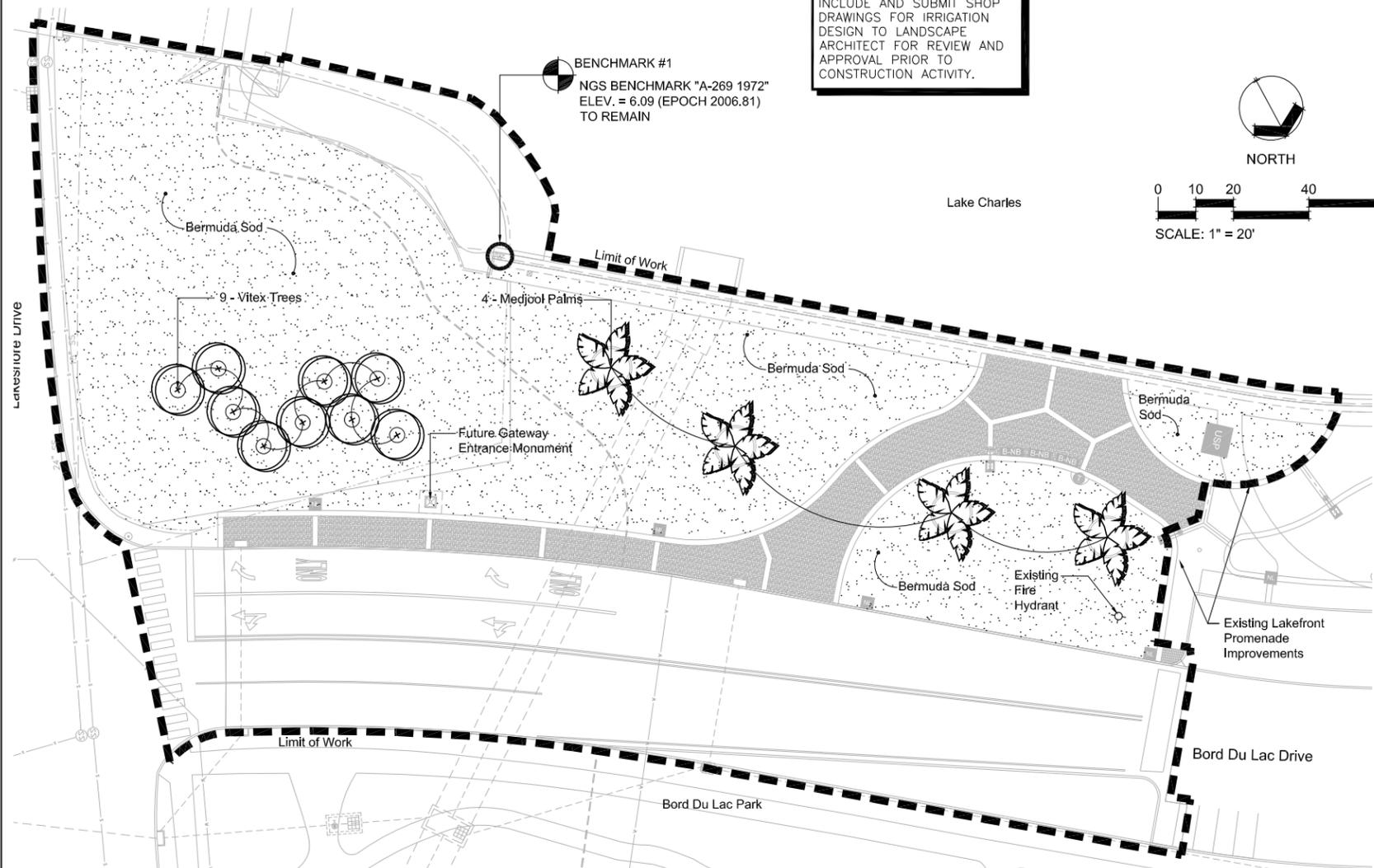
PITHON COULEE SURGE PROTECTION PLANT LIST

COMMON NAME	SCIENTIFIC NAME	SPECIFICATIONS	QUANTITY	UNIT
MEDJOOOL PALM	PHOENIX DACTYLIFERA 'MEDJOOOL'	OWNER FURNISHED. CONTRACTOR TO INSTALL AND HANDLE	4	EA
VITEX	VITEX AGNUS-CASTUS	8'-10' HT., 30 GALLON, FULL FORM, 3-5 CANE, MULTI-TRUNK, SPECIMEN	9	EA
BERMUDA GRASS SOD	CYNODON DACTYLON 'TIFFWAY 419'	PER SPECIFICATIONS	2,410	SY
MULCH: PINE STRAW		2" DEPTH, PINE STRAW MULCH FOR TREES, GROUNDCOVERS, AND SHRUBS. MEASUREMENT OF PINE STRAW TO BE TAKEN AFTER SETTLING.	AS NEEDED	
BED PREPARATION		PER SPECIFICATIONS		SY
SOIL AMENDMENTS		PER SPECIFICATIONS		CY

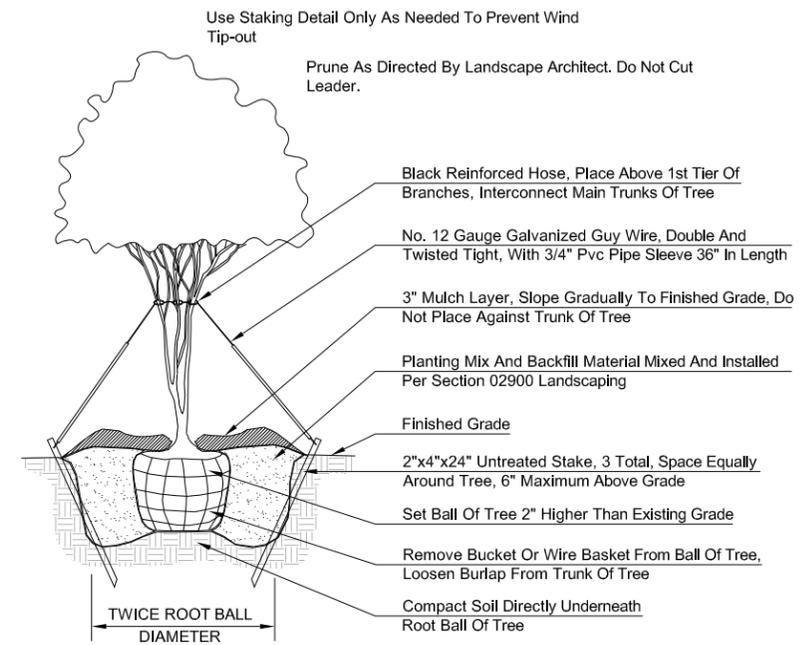
THESE DRAWINGS DO NOT INCLUDE COMPONENTS FOR CONSTRUCTION SAFETY

CALL "LOUISIANA ONE-CALL" BEFORE DIGGING PH. 1-(800)-272-3020

NOTE: CONTRACTOR TO INCLUDE AND SUBMIT SHOP DRAWINGS FOR IRRIGATION DESIGN TO LANDSCAPE ARCHITECT FOR REVIEW AND APPROVAL PRIOR TO CONSTRUCTION ACTIVITY.



1 Palm Planting Detail
Scale: N.T.S



2 Multi - Trunk Tree Planting Detail
Scale: N.T.S

GENERAL PLANTING NOTES:

- CONTRACTOR TO PROVIDE PROTECTION TO ALL WORK UNTIL ACCEPTANCE OF PROJECT BY OWNER.
- CONTRACTOR TO MAINTAIN THE SITE IN A NEAT AND ORDERLY CONDITION AT ALL TIMES. INSPECT AND REMOVE FROM SITE ALL SCRAP, DEBRIS, AND WASTE MATERIAL ON A DAILY BASIS (AND MORE IF NECESSARY).
- UNDERGROUND UTILITY LOCATIONS ARE APPROXIMATE. CONTRACTOR TO CALL "LOUISIANA ONE CALL" (1-800-272-3020) TO VERIFY ALL UNDERGROUND UTILITIES.
- CONTRACTOR TO EXERCISE EXTREME CARE DURING CONSTRUCTION AND NOT DAMAGE EXISTING AMENITIES INDICATED TO REMAIN. CONTRACTOR TO BE RESPONSIBLE FOR ANY DAMAGE TO EXISTING AMENITIES INCLUDING BUT NOT LIMITED TO: EXISTING FENCING, ANY BUILDINGS, TREES, CONC. PAVING, RAILING, EX. PALMS ETC.
- CONTRACTOR TO VERIFY THAT ALL ROUGH GRADING HAS BEEN COMPLETED PRIOR TO LANDSCAPE INSTALLATION!!!!
- CONTRACTOR RESPONSIBLE FOR POSITIVE DRAINAGE IN ALL AREAS.
- CONTRACTOR TO REFER TO PLANT LIST FOR PLANT TYPE AND SPECIFICATIONS.
- PLANT LIST QUANTITIES ARE FOR ESTIMATING PURPOSES. CONTRACTOR RESPONSIBLE FOR DETERMINING ALL FINAL LANDSCAPE MATERIAL QUANTITIES TO MEET THE INTENT OF THE DESIGN.
- ALL TREE LOCATIONS AND SHRUB PLANTINGS TO BE LAID OUT IN THE FIELD BY THE CONTRACTOR AND APPROVED BY THE LANDSCAPE ARCHITECT PRIOR TO INSTALLATION.
- REFER TO THE SPECIFICATIONS FOR LANDSCAPE MAINTENANCE REQUIREMENTS.
- CONTRACTOR RESPONSIBLE FOR FINE GRADING ALL LAWN AREAS PRIOR TO SEEDING OR SODDING.
- CONTRACTOR TO FURNISH A SOIL ANALYSIS OF BOTH EXISTING AND IMPORTED SOILS MADE BY A QUALIFIED INDEPENDENT SOIL-TESTING AGENCY STATING PERCENTAGES OF ORGANIC MATTER, INORGANIC MATTER (SILT, CLAY, AND SAND), DELETERIOUS MATERIAL, PH, AND MINERAL AND PLANT NUTRIENT CONTENT OF EXISTING AND IMPORTED TOPSOIL. REPORT SUITABILITY OF TOPSOIL FOR GROWTH OF APPLICABLE PLANTING MATERIAL. STATE RECOMMENDED QUANTITIES OF NITROGEN, PHOSPHORUS, AND POTASH NUTRIENTS AND ANY LIMESTONE, ALUMINUM SULFATE, OR OTHER SOIL AMENDMENTS TO BE ADDED TO PRODUCE A SATISFACTORY TOPSOIL.

Moore Planning Group, LLC
LANDSCAPE ARCHITECTS • SITE PLANNERS
301 Jackson St., Suite 304 • Alexandria, LA 71301
Phone: 318-445-2825 • Fax: 318-443-2349



No.	DATE	REVISION DESCRIPTION	BY	FIELD BOOK
			DRAWN	
			APPROVED	D. W. JESSEN, Jr.
			DATE	6-18-2010
			ACAD FILE	Surge_Landscape.dwg
			REFERENCE	N/A
			FIELD BOOK	N/A

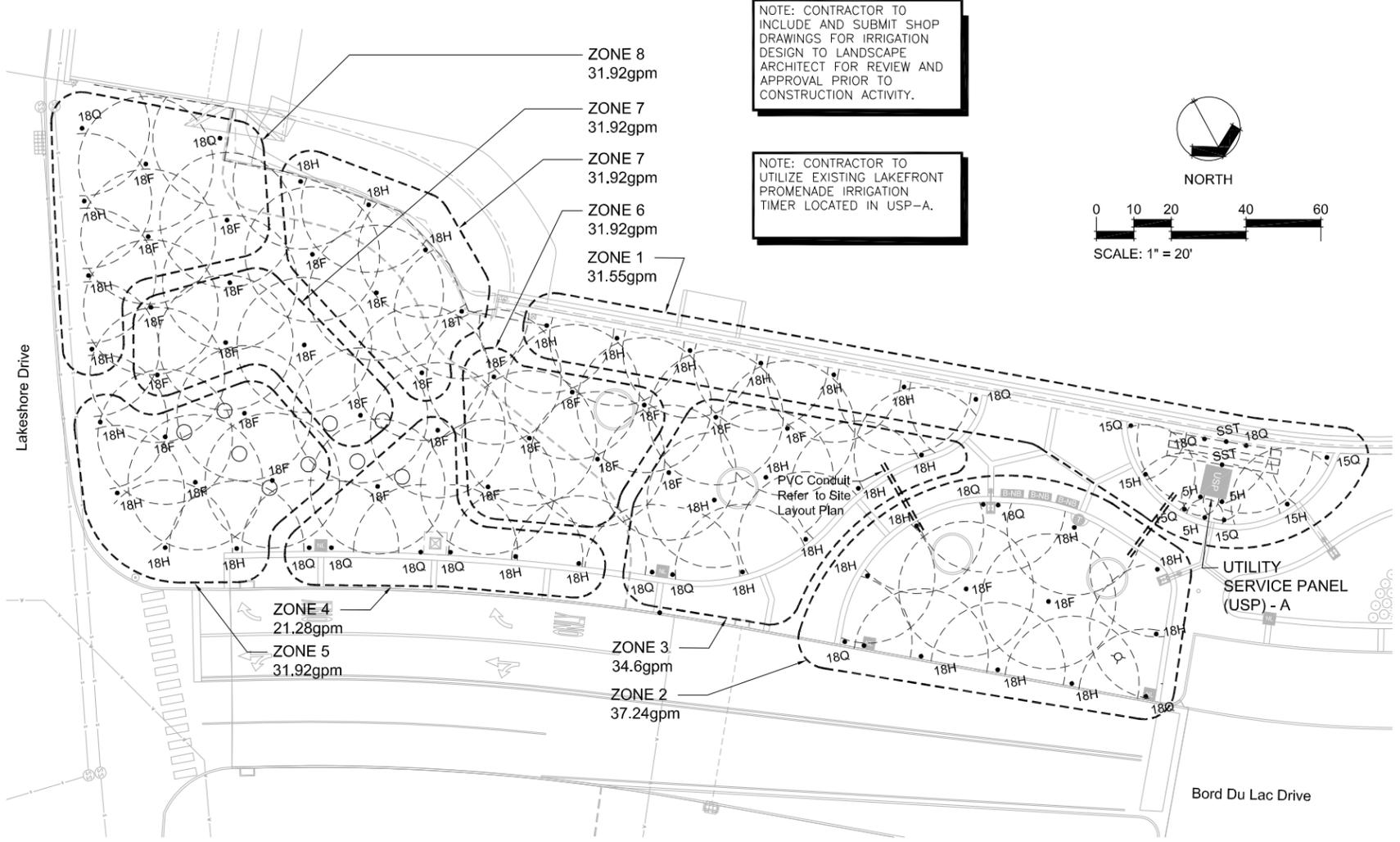


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C.E. La. Reg. No. 21449 P.L.S. La. Reg. No. 4646

PROJECT No. 2009-574	SHEET No.
CITY of LAKE CHARLES	
Pithon Coulee Hurricane Surge Protection Improvements @ Clarence Street	L5
SITE LANDSCAPE PLAN	

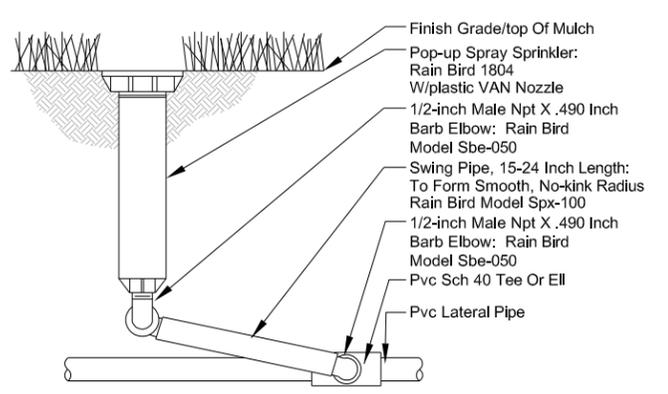
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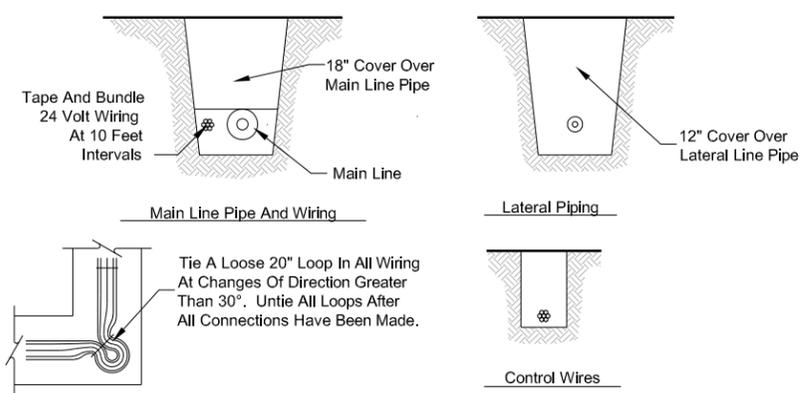


- GENERAL IRRIGATION NOTES:**
- 1) PRIOR TO EXCAVATION, CONTRACTOR SHALL VERIFY UTILITY LOCATIONS WITH TELEPHONE, GAS, CABLE TV, AND ELECTRIC COMPANIES. OWNER'S REPRESENTATIVE AND CONTRACTOR TO REVIEW SITE ELECTRICAL, SITE GRADING AND DRAINAGE, SITE IRRIGATION AND ALL OTHER DRAWINGS PERTAINING TO UNDERGROUND UTILITY LOCATIONS.
 - 2) CONTRACTOR SHALL MEASURE THE STATIC WATER PRESSURE AND SHALL REPORT TO LANDSCAPE ARCHITECT IN WRITING A MINIMUM OF TWO (2) WEEKS PRIOR TO COMMENCEMENT OF IRRIGATION INSTALLATION. SHOULD STATIC WATER PRESSURE BE LESS THAN 50 PSI, CONTRACTOR SHALL RECEIVE APPROVAL FROM OWNER PRIOR TO PROCEEDING.
 - 3) THE IRRIGATION DESIGN IS DIAGRAMMATIC. THE INTENT OF THE DRAWING IS TO SHOW THE GENERAL LAYOUT AND LOGIC OF THE SYSTEM. AT NO TIME SHALL WATER SPRAY ONTO CONCRETE FOOTINGS OR PAVEMENTS. SCALED MEASUREMENTS MAY NOT BE ACCURATE. CONTRACTOR SHALL MAKE FIELD ADJUSTMENTS FOR PLANTING LOCATIONS AND OTHER OBSTRUCTIONS AND TO PROVIDE FULL 100% HEAD TO HEAD COVERAGE.
 - 4) IRRIGATION INSTALLATION SHALL BE COORDINATED WITH EXCAVATION, GRADING, BUILDING, PAVING AND PLANTING OPERATIONS.
 - 5) CONTRACTOR SHALL FOLLOW DRAWINGS, SPECIFICATIONS AND SPECIFIC MANUFACTURERS RECOMMENDATIONS TO INSURE PROPER INSTALLATION OF THE IRRIGATION SYSTEM. CONTRACTOR SHALL NOTIFY OWNER IN WRITING WHENEVER THERE APPEARS TO BE A CONFLICT BETWEEN ANY OF THE ABOVE STATED DOCUMENTS. RAIN BIRD PRODUCTS WERE SPECIFIED TO DETERMINE FLOW RATES OF THIS SYSTEM. CONTRACTOR MAY USE APPROVED EQUAL MANUFACTURERS AND PRODUCTS. CONTRACTOR SHALL SUBMIT TO THE LANDSCAPE ARCHITECT A COMPLETE SET OF SHOP DRAWINGS PRIOR TO THE IMPLEMENTATION OF THE IRRIGATION SYSTEM. CONTRACTOR SHALL NOT BEGIN CONSTRUCTION OF THE IRRIGATION SYSTEM UNTIL APPROVAL IS GRANTED BY THE LANDSCAPE ARCHITECT.
 - 6) BACKFLOW PREVENTER SHALL BE INSTALLED AT THE OWNER APPROVED LOCATION. BACKFLOW PREVENTER INSTALLATION SHALL MEET LOCAL CODES AND REQUIREMENTS. BACKFLOW PREVENTER SHALL BE INSTALLED IN THE SPECIFIED PROTECTIVE ENCLOSURE. ENCLOSURE SHALL BE INSTALLED ON A MINIMUM 6" REINFORCED CONCRETE SLAB OR AS RECOMMENDED BY ENCLOSURE MANUFACTURER. CONTRACTOR SHALL PROVIDE FREEZE PROTECTION FOR THE BACKFLOW PREVENTER.
 - 7) UTILIZE EXISTING IRRIGATION CONTROLLER AND RAIN SENSOR LOCATED IN USP-A.
 - 8) IRRIGATION 24 VOLT COMMON WIRE SHALL BE 14 GAUGE UF AND CONTROL WIRE SHALL BE 14 GAUGE UF.
 - 9) ALL VALVES ARE TO BE INSTALLED IN VALVE BOXES AS SPECIFIED. CONTRACTOR IS ENCOURAGED TO MANIFOLD VALVES WHERE POSSIBLE TO MINIMIZE THE AMOUNT OF INDIVIDUAL VALVE BOXES. ELECTRIC CONTROLLED VALVES SHALL BE INSTALLED IN A 24" x 18" RECTANGULAR BOX. ISOLATION VALVES SHALL BE INSTALLED IN A 10" ROUND VALVE BOX. CONTRACTOR SHALL NOT INSTALL MORE THAN TWO (2) VALVES IN A 24" x 18" RECTANGULAR VALVE BOX.
 - 10) WHEN INSTALLING THREADED PRODUCTS, CONTRACTOR SHALL USE MANUFACTURER'S RECOMMENDED SEALING COMPOUNDS AND/OR TEFLON TAPE ACCORDING TO MANUFACTURER'S RECOMMENDED PRACTICE FOR THE SPECIFIC APPLICATION.
 - 11) CONTRACTOR SHALL INSTALL ALL VALVE AND COMMON WIRING BENEATH THE IRRIGATION MAIN AND/OR LATERALS.
 - 12) CONTRACTOR SHALL CAREFULLY BACKFILL ALL TRENCHES WITH THE EXCAVATED MATERIAL APPROVED FOR BACKFILLING, CONSISTING OF EARTH, LOAM, SANDY CLAY, SAND, SOFT SHALE, OR OTHER APPROVED MATERIALS, FREE FROM LARGE CLOUDS OF EARTH OR STONE, SHARP OBJECTS, ROCK, BROKEN CONCRETE OR PAVEMENT, AND LARGE BOULDERS SHALL NOT BE USED AS BACKFILL MATERIAL.
 - 13) CONTRACTOR SHALL INSPECT THE IRRIGATION SYSTEM AT TWO AND FOUR WEEKS AFTER THE DATE OF SUBSTANTIAL COMPLETION AND MAKE NECESSARY ADJUSTMENTS PRIOR TO FINAL ACCEPTANCE.
 - 14) WARRANTY: ENTIRE SPRINKLER SYSTEM WILL BE UNCONDITIONALLY GUARANTEED AGAINST DEFECTS IN MATERIAL AND WORKMANSHIP, INCLUDING REPAIR OF SETTLING OF BACKFILLED AREAS BELOW GRADE AND ADJUSTING HEADS TO PROPER LEVEL FOR A PERIOD OF ONE YEAR FROM DATE OF SUBSTANTIAL COMPLETION.

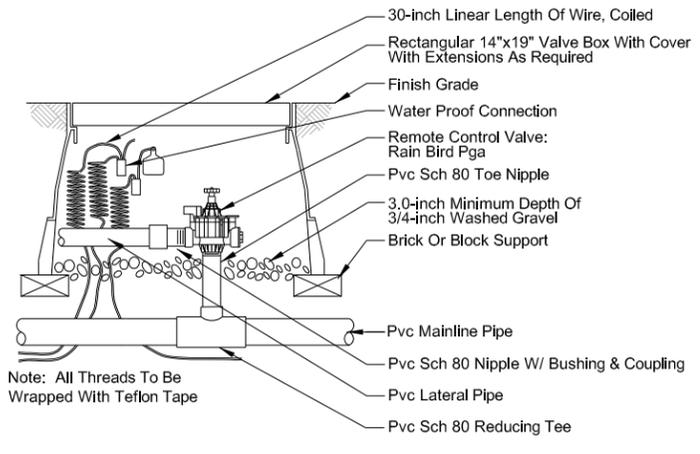
1 Diagrammatic Irrigation Layout
Scale: 1" = 20'



2 4" Pop-up Spray Installation
Scale: N.T.S



3 Typical Trench Detail
Scale: N.T.S



4 Electric Control Valve Installation
Scale: N.T.S

No.	DATE	REVISION DESCRIPTION	BY	FIELD BOOK

DRAWN	APPROVED
D. W. JESSEN, Jr.	
DATE	
6-18-2010	
ACAD FILE	
Surge_Irrigation.dwg	
REFERENCE	
N/A	
FIELD BOOK	
N/A	

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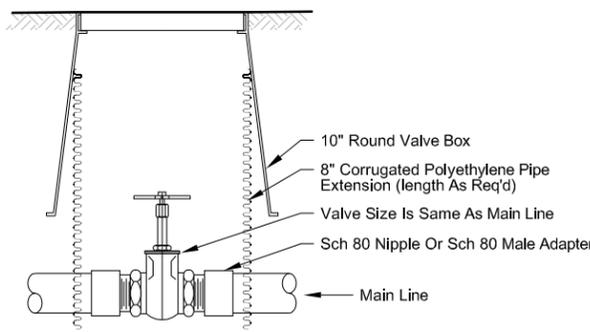
PROJECT No. 2009-574
CITY of LAKE CHARLES
Python Coulee Hurricane Surge Protection Improvements
@ Clarence Street
SITE IRRIGATION PLAN

Moore Planning Group, LLC
LANDSCAPE ARCHITECTS • SITE PLANNERS
301 Jackson St., Suite 304 • Alexandria, LA 71301
Phone: 318-445-2825 • Fax: 318-443-2349

SHEET No. L6

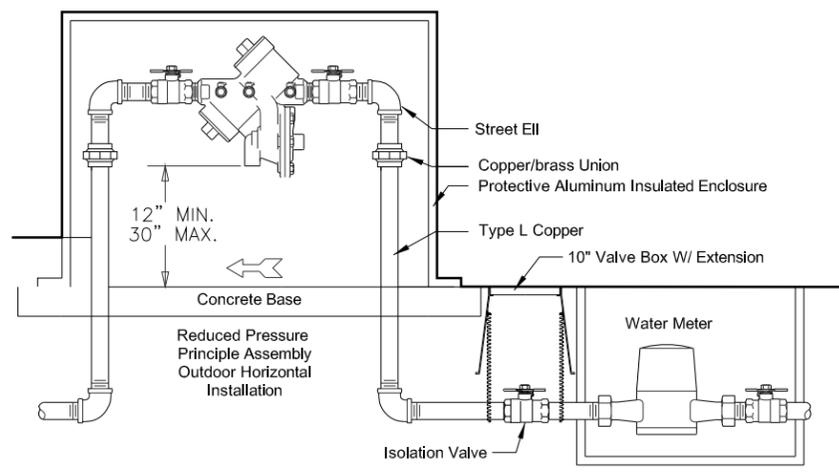
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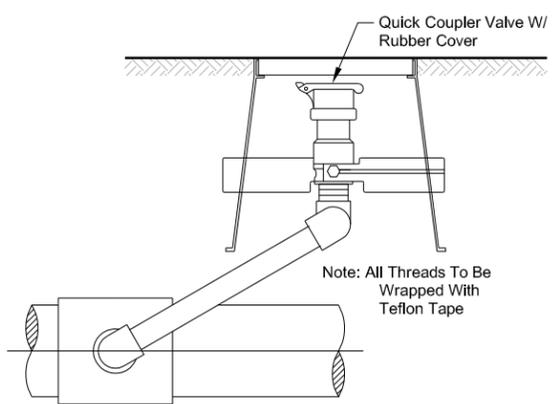
1 Isolation Valve Installation

Scale: N.T.S



2 Backflow Preventer Installation

Scale: N.T.S



3 Quick Coupling Valve Installation

Scale: N.T.S

Moore Planning Group, LLC
LANDSCAPE ARCHITECTS • SITE PLANNERS
301 Jackson St., Suite 304 • Alexandria, LA 71301
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			DRAWN	
			APPROVED	D. W. JESSEN, Jr.
			DATE	6-18-2010
			ACAD FILE	Surge_Irrigation.dwg
			REFERENCE	N/A
No.	DATE	REVISION DESCRIPTION	BY	FIELD BOOK
				N/A

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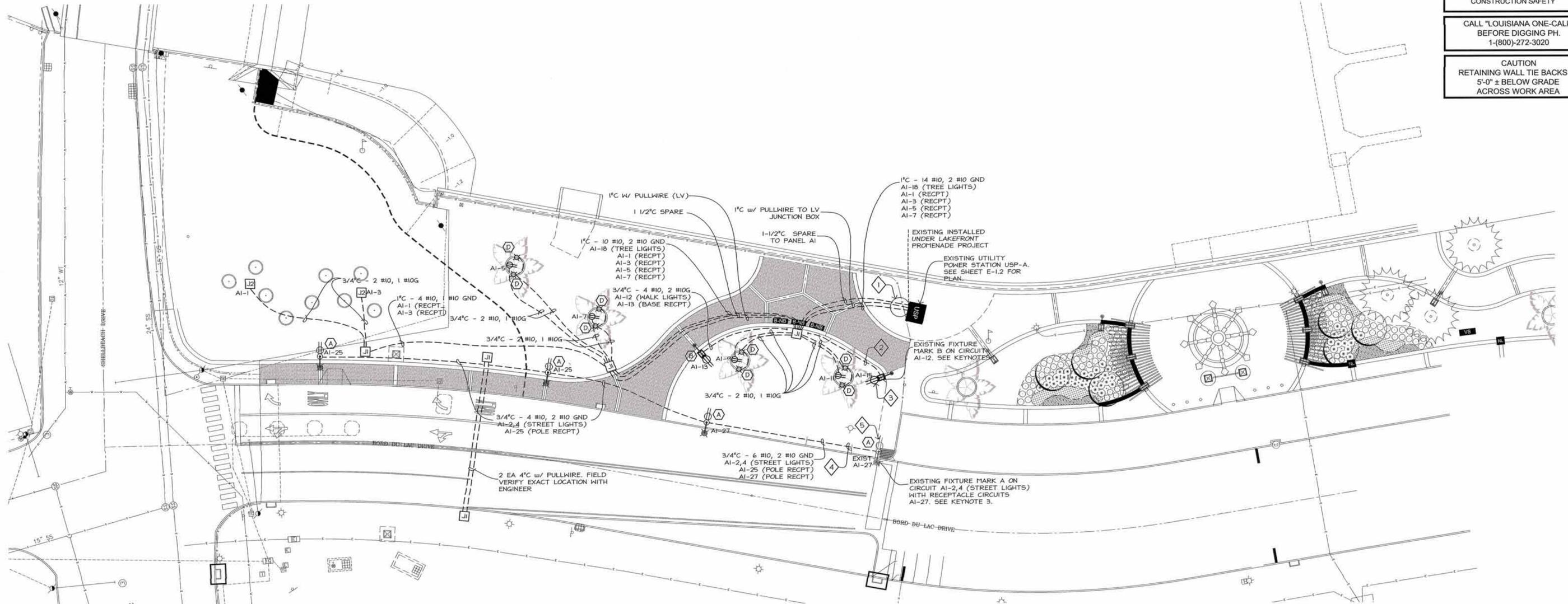
PROJECT No. 2009-574
CITY of LAKE CHARLES
Python Coulee Hurricane Surge Protection Improvements
@ Clarence Street
SITE IRRIGATION PLAN

SHEET No.
L7

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CAUTION
RETAINING WALL TIE BACKS @ 5'-0" ± BELOW GRADE ACROSS WORK AREA



1 ELECTRICAL PLAN
SCALE: 1" = 20'

0 10' 20' 40'

SCALE: 1" = 20'

- STREET LIGHTING CIRCUIT CONTROLLER TO BE CONTROLLED BY EXISTING TIME CONTROL CENTER CIRCUIT A. CIRCUIT IS ENERGIZED DUSK TO DAWN.
- WALKWAY LIGHTING CIRCUIT CONTROLLER TO BE CONTROLLED BY EXISTING TIME CONTROL CENTER CIRCUIT B. CIRCUIT TO BE ENERGIZED DUSK TO PRESET OFF. RUN FIXTURE B AND FIXTURE D CIRCUITS THROUGH SPARE CONTACT ON EXISTING CONTROLLER.
- RECEPTACLE CIRCUITS CONTROLLER TO BE CONTROLLED BY EXISTING TIME CONTROL CENTER CIRCUIT C. CIRCUITS TO BE ENERGIZED PRESET ON TO PRESET OFF. RUN RECEPTACLE CIRCUITS THROUGH SPARE CONTACT ON EXISTING CONTROLLER.
- SEE SHEET E-1.2 FOR DETAILS AND SCHEDULES.
- WALKWAY LIGHTS (FIXTURE TYPE B) ARE TO HAVE RECEPTACLE IN BASE OF POLE FOUNDATION AS PER DETAIL 4 ON SHEET E-1.2. STUB UP FROM RECEPTACLE BOX INTO POLE TO SERVE LIGHTS.
- THIS PROJECT IS TO BE INSTALLED AS AN EXTEND ON THE LAKEFRONT PROMENADE PROJECT. CONTRACTOR SHALL INSURE HIS INSTALLATION IS CONSISTENT WITH THE EXISTING INSTALLATIONS.

- UNDERGROUND WIRING
- HOME RUN TO PANEL 4 CIRCUIT INDICATED
- 20A 125V DUPLEX GFCI RECEPTACLE WITH WEATHER PROOF COVER
- UL RATED IN-GROUND PULL BOX WITH TRAFFIC RATED COVER. QUAZITE #PG1730BA24 WITH PG1730H400 COVER MARKED "ELECTRIC".
- UL RATED IN-GROUND PULL BOX WITH TRAFFIC RATED COVER. QUAZITE #PC1212BA12 WITH PC1212H400 COVER MARKED "POWER" WITH 20A TWIST LOCK WATER PROOF RECEPTACLE. SEE DETAIL 4 SHEET E-1.2
- USP EXISTING UTILITY SERVICE POINT A
- A LIGHTING FIXTURE MARK A WITH DUPLEX GFCI WEATHERPROOF RECEPTACLE AT TOP OF POLE. SEE LIGHT FIXTURE SCHEDULE AND DETAIL SHEET E-1.2.
- B CUSTOM LIGHTING FIXTURE MARK B W/ DUPLEX GFCI WEATHERPROOF RECEPTACLE IN CONCRETE BASE. SEE LIGHT FIXTURE SCHEDULE AND DETAIL SHEET E-1.2.
- D PALM TREE LIGHTING FIXTURE MARK D. SEE LIGHT FIXTURE SCHEDULE AND DETAIL SHEET E-1.2.

- LOCATE EXISTING 3 CONDUITS STUBBED OUT IN THIS AREA INSTALLED IN THE PROMENADE PROJECT. THEY ARE:
1 EACH 1" C TO LOW VOLTAGE JUNCTION BOX
1 EACH 1" C TO PANEL AI (FOR CIRCUITS)
1 EACH 1-1/2" C TO PANEL AI (SPARE)
- EXTEND RACEWAYS TO NEW INGROUND PULL BOX "J". INSTALL CONDUCTORS AND PULLWIRES AS INDICATED.
- LOCATE THE 3/4" C STUB-OUT FROM EXISTING FIXTURE MARK B. EXTEND RACEWAYS TO NEW LIGHTING FIXTURE MARK B LOCATION, AND INSTALL CONDUCTORS AS INDICATED.
- PULL NEW RECEPTACLE CIRCUITS AI-3 THROUGH EXISTING RACEWAY FROM EXISTING FIXTURE MARK B TO PANEL AI. CURRENTLY THERE ARE 4 #10, 1 #10 G IN THE EXISTING 3/4" C.
- LOCATE THE 3/4" C STUB-OUT FROM EXISTING FIXTURE MARK A. EXTEND RACEWAY TO NEW LIGHTING FIXTURE MARK A LOCATIONS, AND INSTALL CONDUCTORS AS INDICATED.
- PULL NEW RECEPTACLE CIRCUIT AI-25 THROUGH EXISTING RACEWAY FROM EXISTING FIXTURE MARK B TO PANEL AI. CURRENTLY THERE ARE 4 #10, 1 #10 G IN THE EXISTING 3/4" C.

2 INDEX OF ELEC. DRAWINGS
SCALE: NONE

3 NOTES
SCALE: NONE

4 LEGEND
SCALE: NONE

5 KEYNOTES
SCALE: NONE



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Project Number: 10-005

		DRAWN	MWCGI
		APPROVED	WJL
		DATE	6-21-10
		ACAD FILE	N/A
		REFERENCE	N/A
		BY	N/A
No.	DATE	REVISION DESCRIPTION	FIELD BOOK

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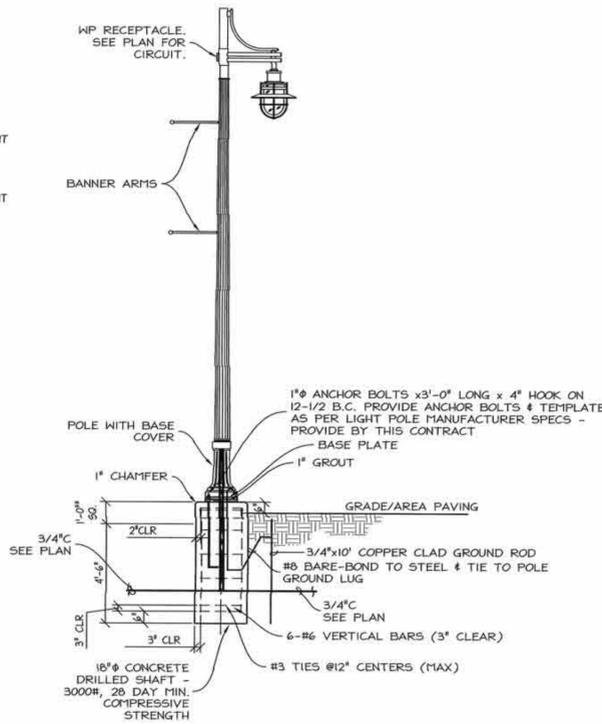
PROJECT No. 2009-574	SHEET No.
CITY of LAKE CHARLES	
Pithon Coulee Hurricane Surge Protection Improvements @ Clarence Street	E-1.1
ELECTRICAL PLAN	

MAINS 600 AMP BREAKER
 MOUNTING SURFACE
 NEMA RATING: 3RGASK
 GROUND BUS: EQUIP
 NEUTRAL BUS: 100%
 IER: 25.000

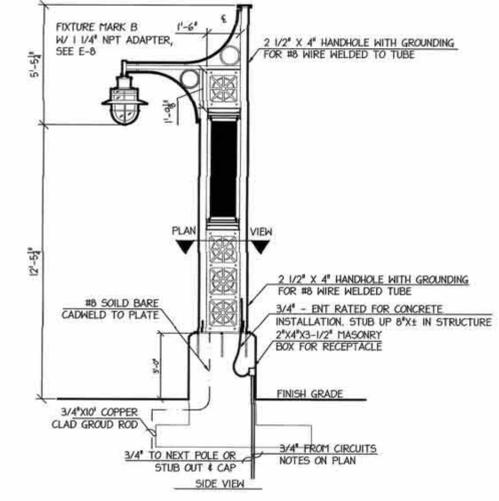
PANEL: **A1** TYPE: EXISTING
 MFGR: Sq D TYPE: NOOD
 240/120 V 1 PH 3 W
 BRANCH BREAKERS: BOLT ON
 MODIFICATIONS:

ITEM	WIRE AMP/ SIZE	CIR NO	CIR NO	WIRE AMP/ SIZE	ITEM
RECPT @ TREE THRU ACC1	#10 20/1	1	2	30/2	#10 STREET LIGHTS THRU ACA1
RECPT @ TREE THRU ACC1	#10 20/1	3	4		
RECPT @ PALM THRU ACC1	#10 20/1	5	6	30/2	#10 STREET LIGHTS THRU ACA1
RECPT @ PALM THRU ACC1	#10 20/1	7	8		
RECPT @ PALM THRU ACC1	#10 20/1	9	10	20/1	#10 WALKWAY LIGHTS THRU ACA1
RECPT @ PALM THRU ACC1	#10 20/1	11	12	20/1	#10 WALKWAY LIGHTS THRU ACA1
RECPT @ WALK LIGHT THRU ACC1	#10 20/1	13	14	20/1	#10 WALKWAY LIGHTS THRU ACA1
SPARE	20/1	15	16	20/1	#10 WALKWAY LIGHTS THRU ACA1
RECPT @ WALK LIGHT THRU ACC1	#10 20/1	17	18	20/1	#10 TREE LIGHTS THRU ACB1
RECPT @ WALK LIGHT THRU ACC1	#10 20/1	19	20	20/1	#10 ARBOR LIGHTS THRU ACB1
RECPT @ PLANTER THRU ACC2	#10 20/1	21	22	20/1	#10 ARBOR LIGHTS THRU ACB1
RECPT @ PLANTER THRU ACC2	#10 20/1	23	24	20/1	#12 TIME CONTROL CENTER USP-A
RECPT @ STREET LIGHT THRU ACB1	#10 20/1	25	26	20/1	SPARE
RECPT @ STREET LIGHT THRU ACB1	#10 20/1	27	28	20/1	SPARE
RECPT @ STREET LIGHT THRU ACB1	#10 20/1	29	30	20/1	SPARE
RECPT @ WALK LIGHT THRU ACC1	#10 20/1	31	32	20/1	SPARE
RECPT @ WALK LIGHT THRU ACC1	#10 20/1	33	34	20/1	SPARE
RECPT @ PLANTER THRU ACC2	#10 20/1	35	36	20/1	SPARE
RECPT @ PLANTER THRU ACC2	#10 20/1	37	38	20/1	SPARE
RECPT @ STREET LIGHT THRU ACB1	#10 20/1	39	40	400/2	600 VENDOR STATION VS-A1
PWR SUPP FOR COL LIGHTS THRU ACC2	#10 20/1	41	42		MCM

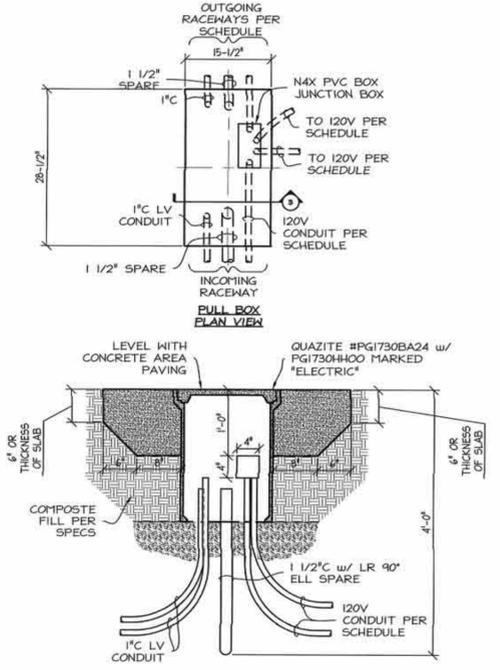
EXTEND THIS CIRCUIT ON THIS PROJECT
 EXTEND THIS CIRCUIT ON THIS PROJECT



3 LIGHT FIXTURE MARK A
 SCALE: 1/4" = 1'-0"



4 LIGHT FIXTURE MARK B
 SCALE: 1/4" = 1'-0"



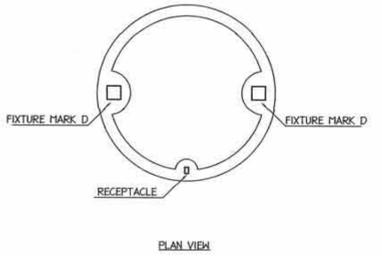
5 JUNCTION BOX DETAIL
 SCALE: 3/4" = 1'-0"

1 PANEL A1
 SCALE: NONE

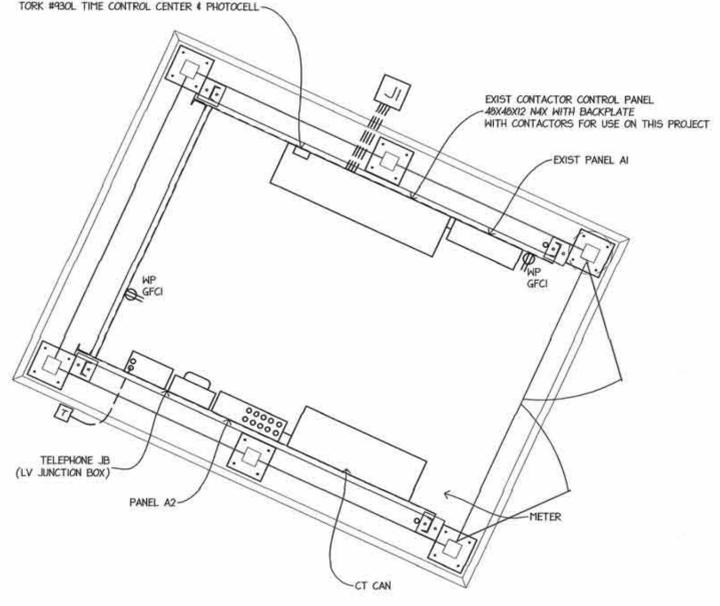
MARK	DESCRIPTION	LAMPS	NOTES
A	LUMEC #CAND1-250PSMH-PC-C-SE3-240-FF-HE-COLTX with CN1-1A-GFI-OV-COLTX BRACKET on RD90-19-BABS24(2)-COLTX	1 ea 175 W PSMH	1,4
B	LUMEC #CAND1-100PSMH-PC-C-SE3-120-F-HE-COLTX on CUSTOM POLE	1 ea 100 W PSMH	2,4
D	KIM 36730-D-70PMH-120-F1-BL-AGS73 w/ IN GROUND BALLAST BOX AND COVER	1 ea 70 W PAR 30 PSMH FL	3,4

- NOTES:
- INSTALL WITH BANNER ARMS OPPOSITE FIXTURE. PROVIDE ANCHOR BOLTS AND COVER. FIXTURE FURNISHED BY OTHERS, INSTALLED BY CONTRACTOR.
 - SEE ARCHITECTURAL DETAILS FOR POLE AND FIXTURE MOUNTING. FIXTURE FURNISHED BY OTHERS, INSTALLED BY CONTRACTOR.
 - INSTALL IN CONCRETE RING AROUND TREES. SEE DETAIL 6 THIS SHEET. FIXTURE FURNISHED BY OTHERS, INSTALLED BY CONTRACTOR.
 - THESE FIXTURES ARE FURNISHED UNDER PROMENADE PROJECT AND WILL BE TURNED OVER TO THIS CONTRACTOR FOR INSTALLATION ON THIS PROJECT. THIS CONTRACTOR WILL INSPECT AND ACCEPT THESE FIXTURES FOR INSTALLATION AND SHALL BECOME RESPONSIBLE FOR THE APPEARANCE AND FUNCTIONING OF THESE FIXTURES.

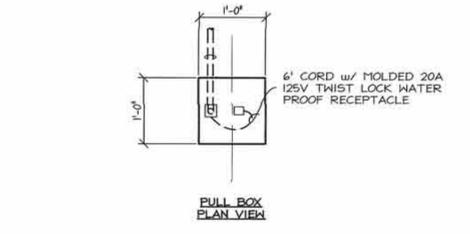
2 LIGHT FIXTURE SCHEDULE
 SCALE: NONE



6 CONCRETE RING DETAIL
 SCALE: 1/4" = 1'-0"



7 EXISTING USP-A PLAN
 SCALE: 1/2" = 1'-0"



8 POWER BOX DETAIL
 SCALE: 3/4" = 1'-0"

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 Project Number: 10-005

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APPROVED: WJL				CITY of LAKE CHARLES Pithon Coulee Hurricane Surge Protection Improvements @ Clarence Street ELECTRICAL DETAILS	
DATE: 6-21-10					
ACAD FILE: N/A					
REFERENCE: N/A					
No.	DATE	REVISION DESCRIPTION	BY	FIELD BOOK	