

Bord Du Lac / Lakefront Promenade Project

Construction Documents
Lake Charles, Louisiana



CITY OF LAKE CHARLES
BOND ISSUE NO. DD0002
City Project No. P.08.P1.0

CITY OFFICIALS:
Mayor Randy Roach

CITY COUNCILMEN:
Stuart Weatherford, President
Dana Carl Jackson, Vice President
Luvertha W. August
Rodney Geyen
David Perry
Marshall Simien, Jr.
Mike Huber

Prepared By:



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Consultants:
Electrical Engineer



ELECTRICAL, MECHANICAL, & PROJECT ENGINEERING

Site Surveyor,
Site Civil & Structural Engineer



D.W. Jessen & Associates, LLC
Civil and Consulting Engineers Lake Charles, Louisiana
440 Kirby Street Lake Charles, LA 70601
Phone: (337) 633-4561 Fax: (337) 633-3842
D. W. Jessen, Jr., P.E., P.L.S.
C.F. La. Reg. No. 31487 P.L.S. La. Reg. No. 466



**BID
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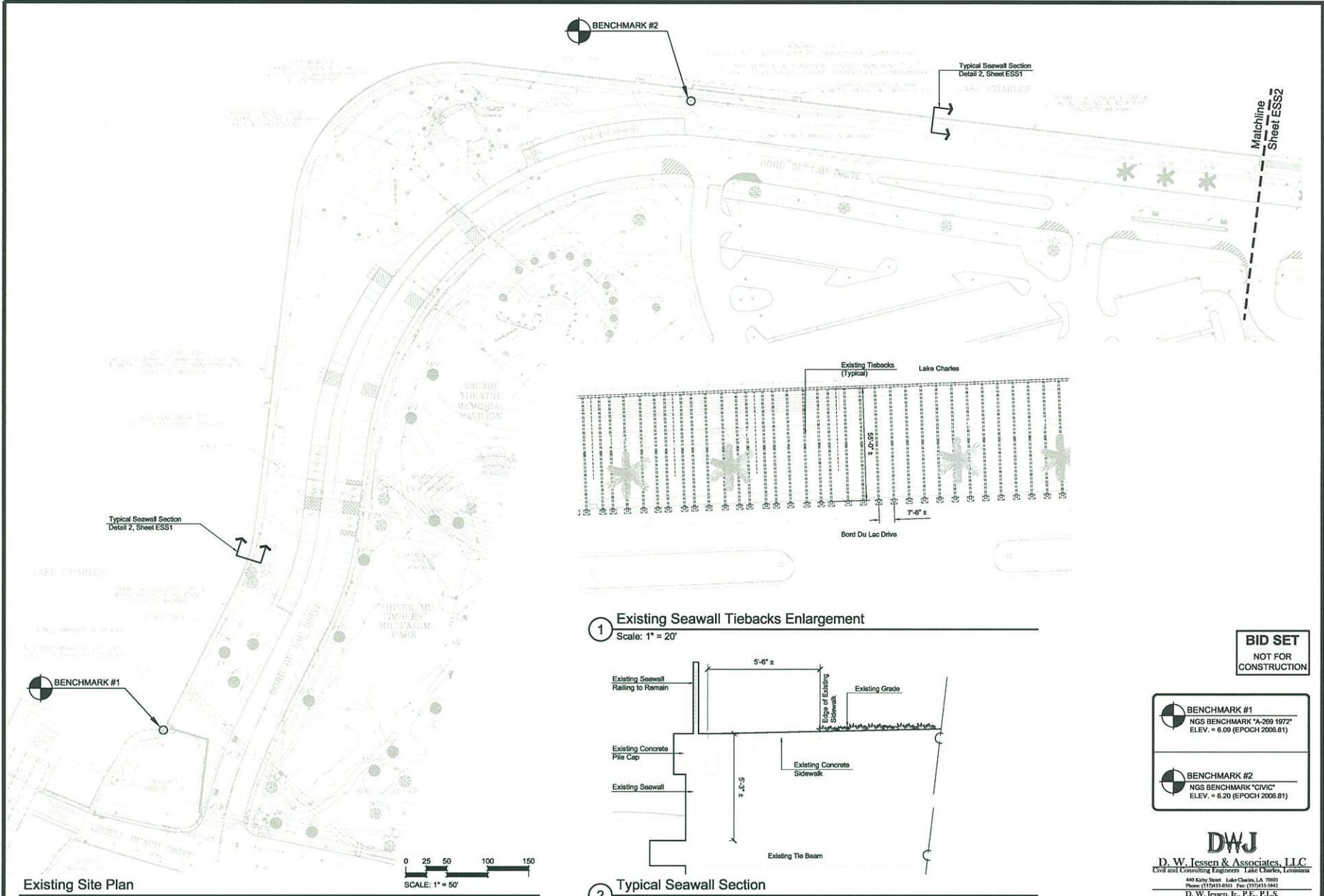
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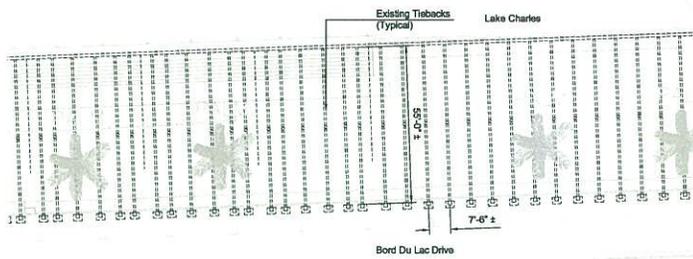
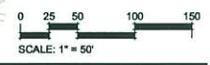
WATER: City of Lake Charles Water Division 223 N. Ryan St. Lake Charles LA 70601 phone: 337-491-1487 fax: 337-491-1212	TELEPHONE: BellSouth Lake Charles, LA 70601 337-436-8638	SANITARY SEWER: City of Lake Charles Wastewater Division 1122 W. Ryan St. Lake Charles LA 70601 337-491-1224
NATURAL GAS: Energy (800) 368-3740 or Customer service & Emergencies (800) 368-3749	TELEVISION CABLE: Suddenlink 1338 E. Prien Lake Rd. Lake Charles 337-477-9674	ELECTRONIC: Energy (800) 368-3740 or Customer service & Emergencies (800) 368-3749

MPG PROJECT NO. 28017.00

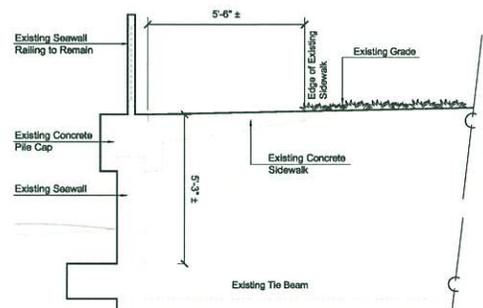
February 5, 2009



Existing Site Plan



1 Existing Seawall Tiebacks Enlargement
Scale: 1" = 20'



2 Typical Seawall Section
Scale: 1/2" = 1'-0"

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-  **BENCHMARK #1**
NGS BENCHMARK "A-269 1972"
ELEV. = 6.09 (EPOCH 2008.81)
-  **BENCHMARK #2**
NGS BENCHMARK "CIVIC"
ELEV. = 6.20 (EPOCH 2008.81)

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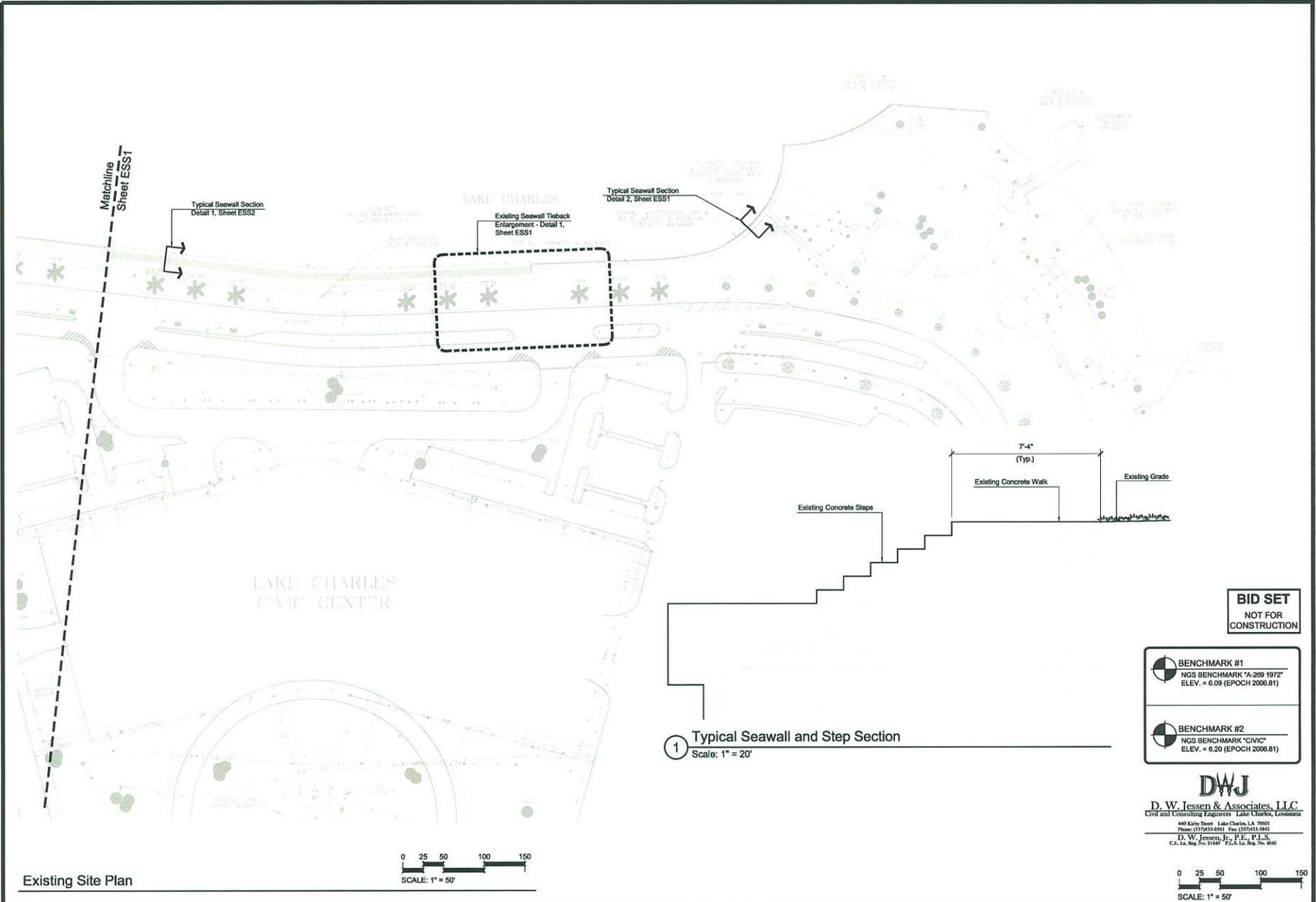
REVISIONS:

Construction Documents For:
Lakefront Promenade
Lake Charles, Louisiana
Existing Site Survey - Sheet 1

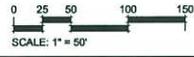


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ESS1



Existing Site Plan

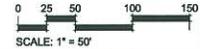


1 Typical Seawall and Step Section
Scale: 1" = 20'

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 BENCHMARK #1 NGS BENCHMARK "A-209 1972" ELEV. = 6.09 (EPOCH 2006.81)
 BENCHMARK #2 NGS BENCHMARK "CIVIC" ELEV. = 6.20 (EPOCH 2006.81)

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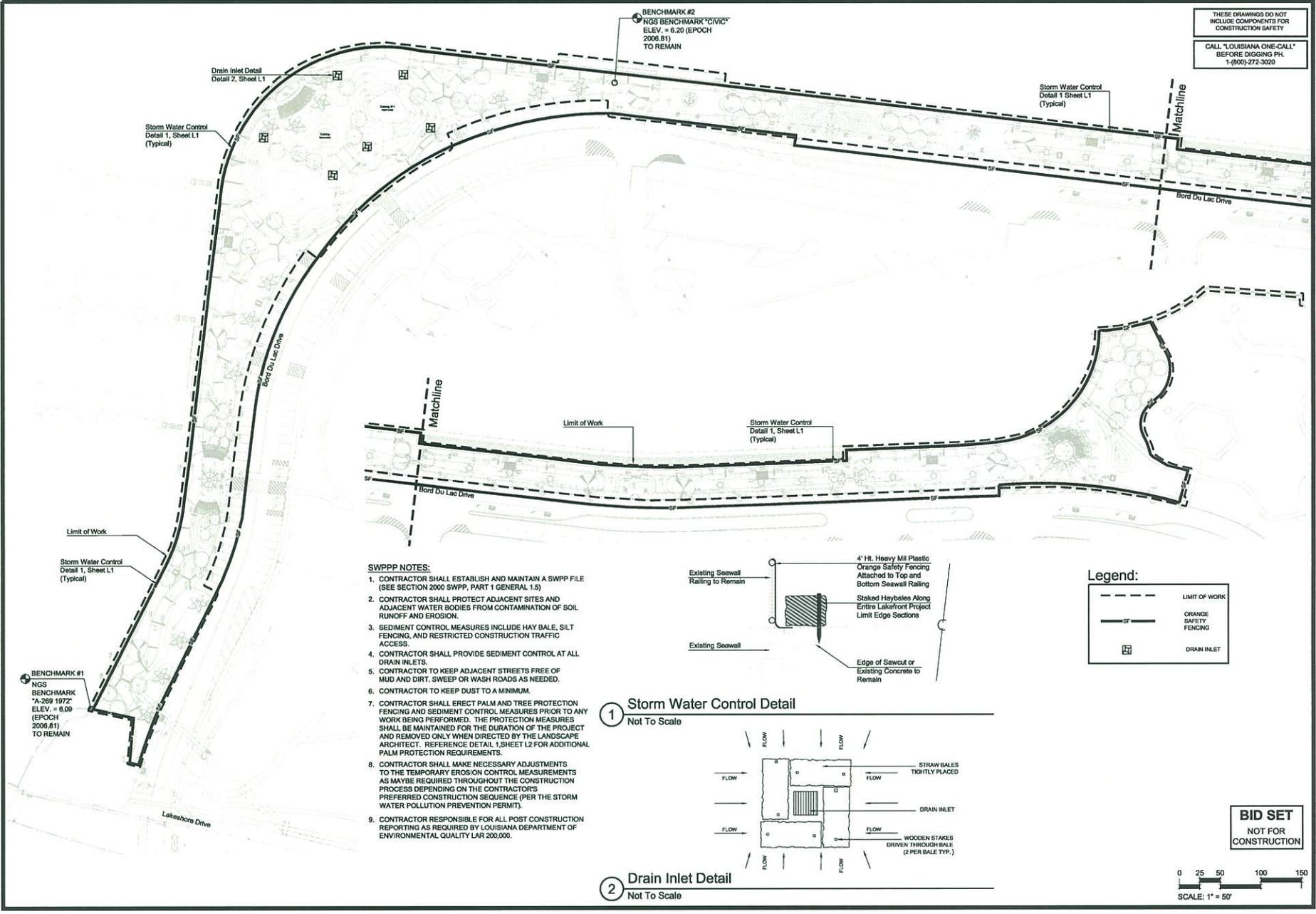
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Construction Documents For:
Lakefront Promenade
 Lake Charles, Louisiana
Existing Site Survey - Sheet 2



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ESS2



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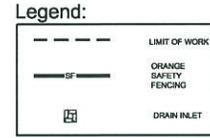
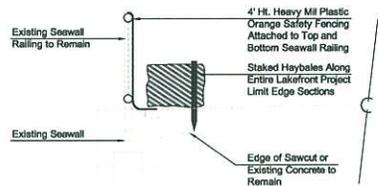
Construction Documents For:
Lakefront Promenade
Lake Charles, Louisiana
Storm Water Pollution Prevention Plan



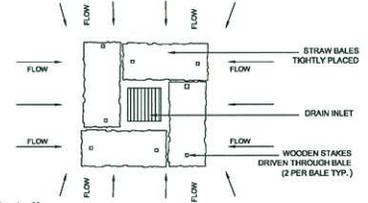
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L1

- SWPPP NOTES:**
- CONTRACTOR SHALL ESTABLISH AND MAINTAIN A SWPPP FILE (SEE SECTION 2000 SWPPP, PART 1 GENERAL 1.5)
 - CONTRACTOR SHALL PROTECT ADJACENT SITES AND ADJACENT WATER BODIES FROM CONTAMINATION OF SOIL RUNOFF AND EROSION.
 - SEDIMENT CONTROL MEASURES INCLUDE HAY BALE, SILT FENCING, AND RESTRICTED CONSTRUCTION TRAFFIC ACCESS.
 - CONTRACTOR SHALL PROVIDE SEDIMENT CONTROL AT ALL DRAIN INLETS.
 - CONTRACTOR TO KEEP ADJACENT STREETS FREE OF MUD AND DIRT, SWEEP OR WASH ROADS AS NEEDED.
 - CONTRACTOR TO KEEP DUST TO A MINIMUM.
 - CONTRACTOR SHALL ERECT PALM AND TREE PROTECTION FENCING AND SEDIMENT CONTROL MEASURES PRIOR TO ANY WORK BEING PERFORMED. THE PROTECTION MEASURES SHALL BE MAINTAINED FOR THE DURATION OF THE PROJECT AND REMOVED ONLY WHEN DIRECTED BY THE LANDSCAPE ARCHITECT. REFERENCE DETAIL 1, SHEET L2 FOR ADDITIONAL PALM PROTECTION REQUIREMENTS.
 - CONTRACTOR SHALL MAKE NECESSARY ADJUSTMENTS TO THE TEMPORARY EROSION CONTROL MEASUREMENTS AS MAYBE REQUIRED THROUGHOUT THE CONSTRUCTION PROCESS DEPENDING ON THE CONTRACTOR'S PREFERRED CONSTRUCTION SEQUENCE (PER THE STORM WATER POLLUTION PREVENTION PERMIT).
 - CONTRACTOR RESPONSIBLE FOR ALL POST CONSTRUCTION REPORTING AS REQUIRED BY LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY LAR 200,000.



① Storm Water Control Detail
Not To Scale



② Drain Inlet Detail
Not To Scale

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0 25 50 100 150
SCALE: 1" = 50'

NOTE:
CONTRACTOR TO COORDINATE WITH OWNER ON LOCATION OF CONTRACTORS PROJECT TRAILER AND STORAGE AREA FOR PROPOSED MATERIALS.

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Construction Documents For:
Lakefront Promenade
Lake Charles, Louisiana
Site Access Plan

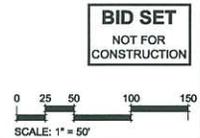
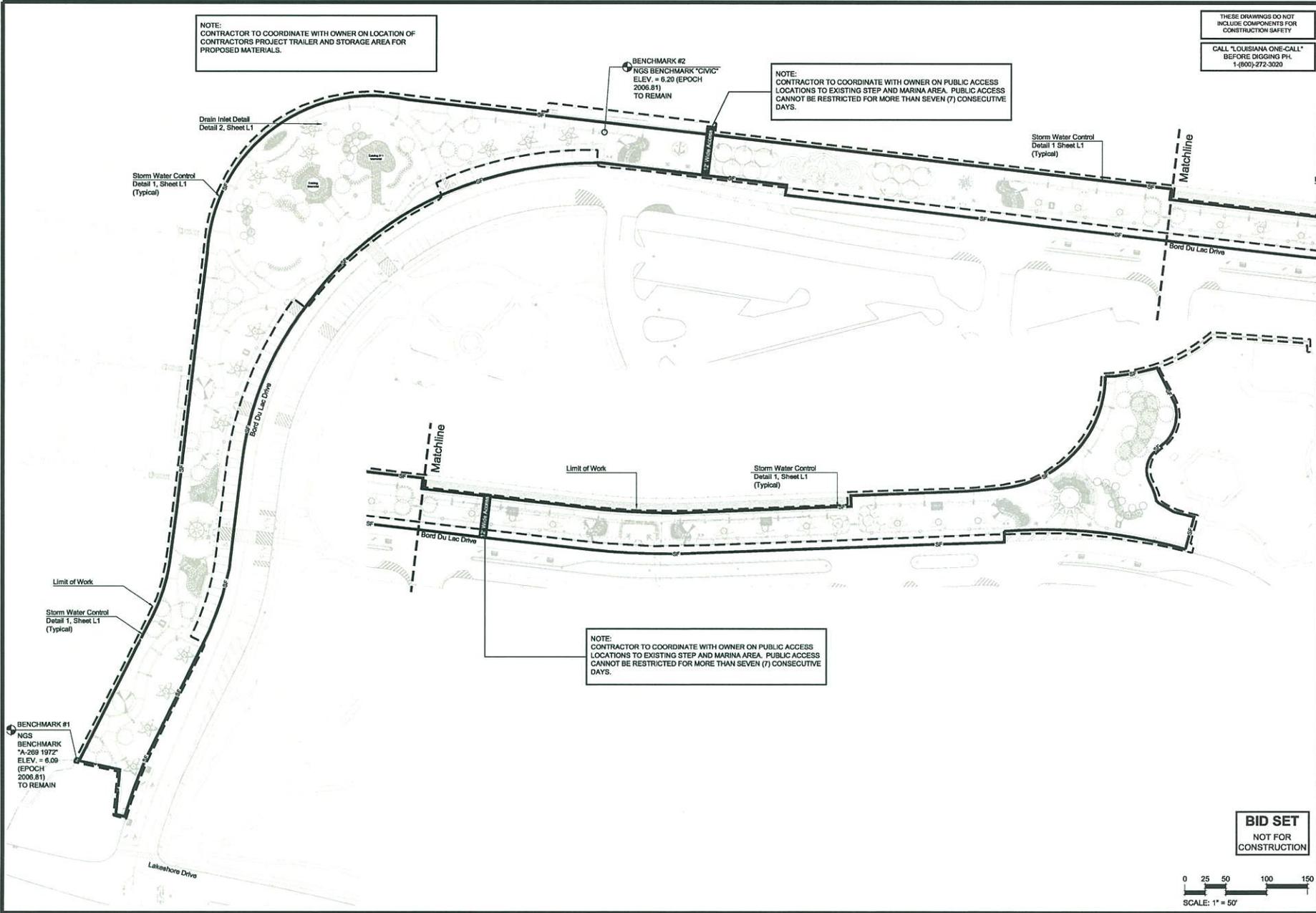


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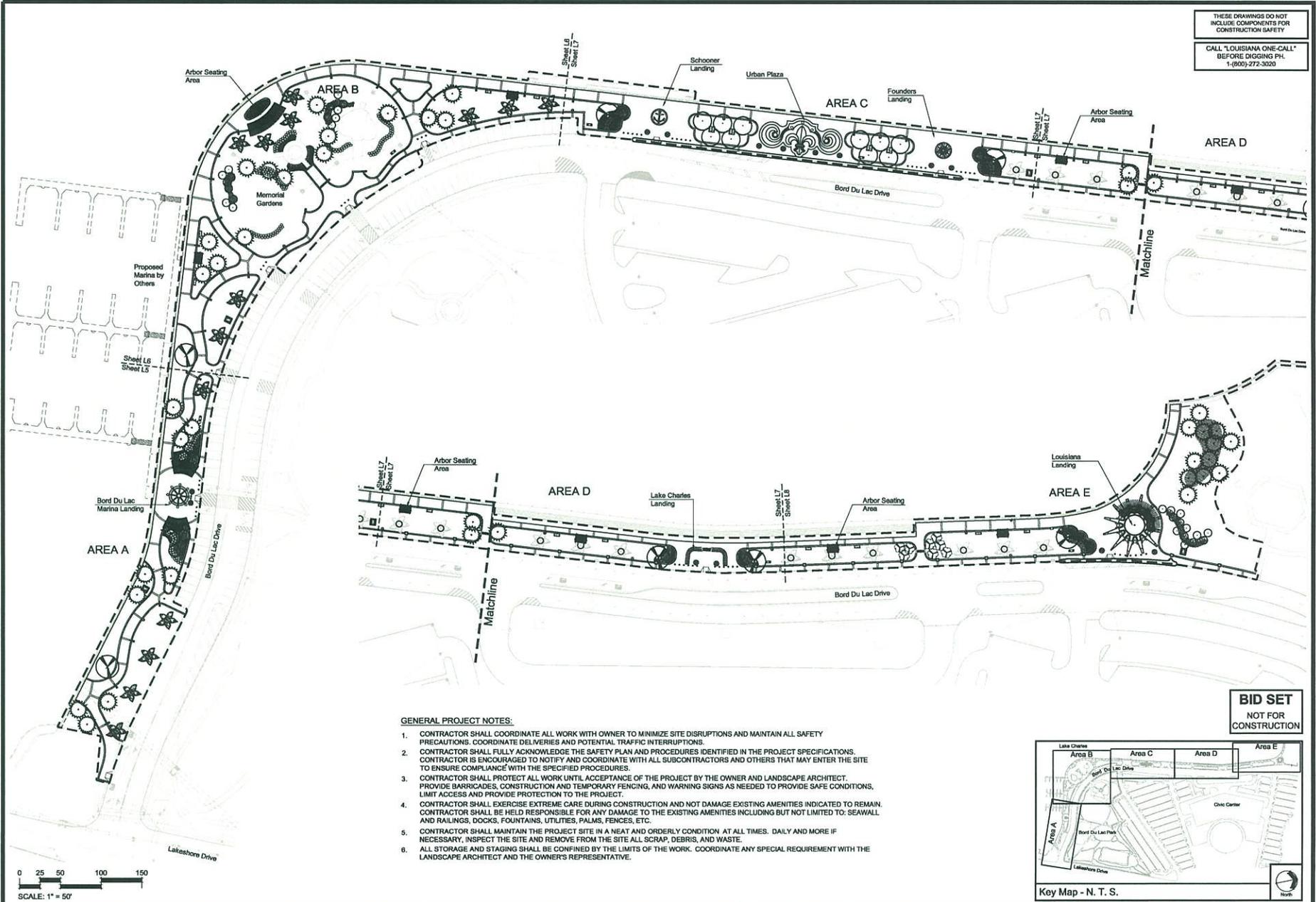
L3

NOTE:
CONTRACTOR TO COORDINATE WITH OWNER ON PUBLIC ACCESS LOCATIONS TO EXISTING STEP AND MARINA AREA. PUBLIC ACCESS CANNOT BE RESTRICTED FOR MORE THAN SEVEN (7) CONSECUTIVE DAYS.

NOTE:
CONTRACTOR TO COORDINATE WITH OWNER ON PUBLIC ACCESS LOCATIONS TO EXISTING STEP AND MARINA AREA. PUBLIC ACCESS CANNOT BE RESTRICTED FOR MORE THAN SEVEN (7) CONSECUTIVE DAYS.



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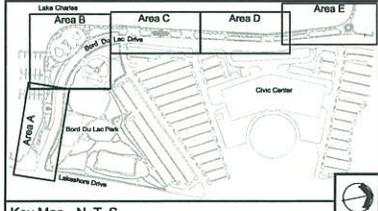
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Construction Documents For:
Lakefront Promenade
 Lake Charles, Louisiana
Site Master Plan

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- 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 LANDSCAPE ARCHITECT. 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, DOCKS, FOUNTAINS, UTILITIES, PALMS, 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.



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L4

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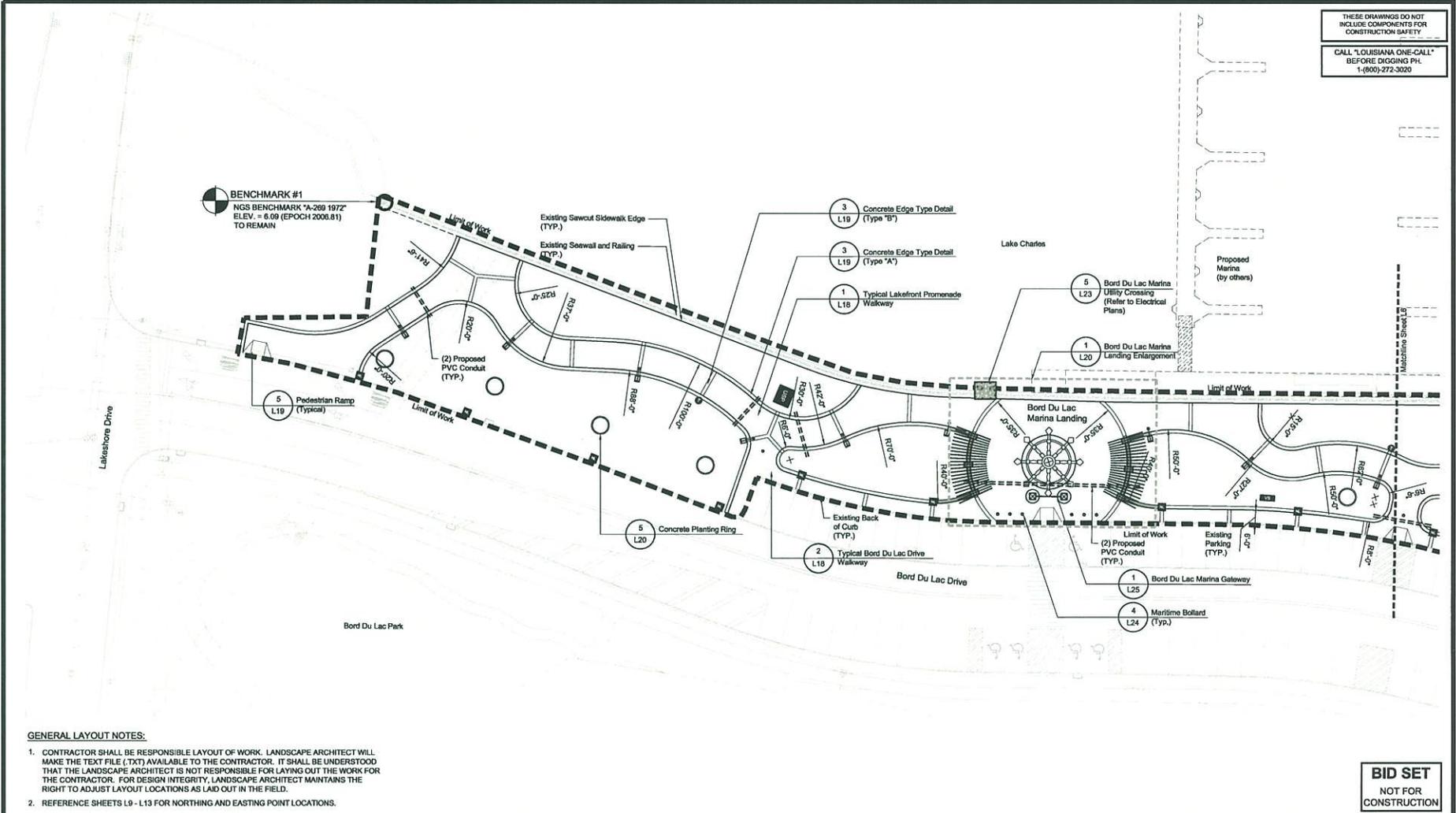
Construction Documents For:
Lakefront Promenade
Lake Charles, Louisiana
Site Layout - Area A

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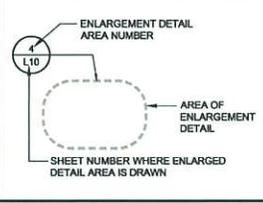
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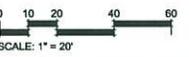
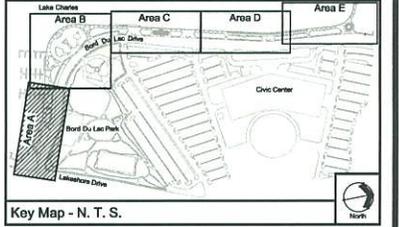
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 - REFERENCE SHEETS L9 - L13 FOR NORTHING AND EASTING POINT LOCATIONS.

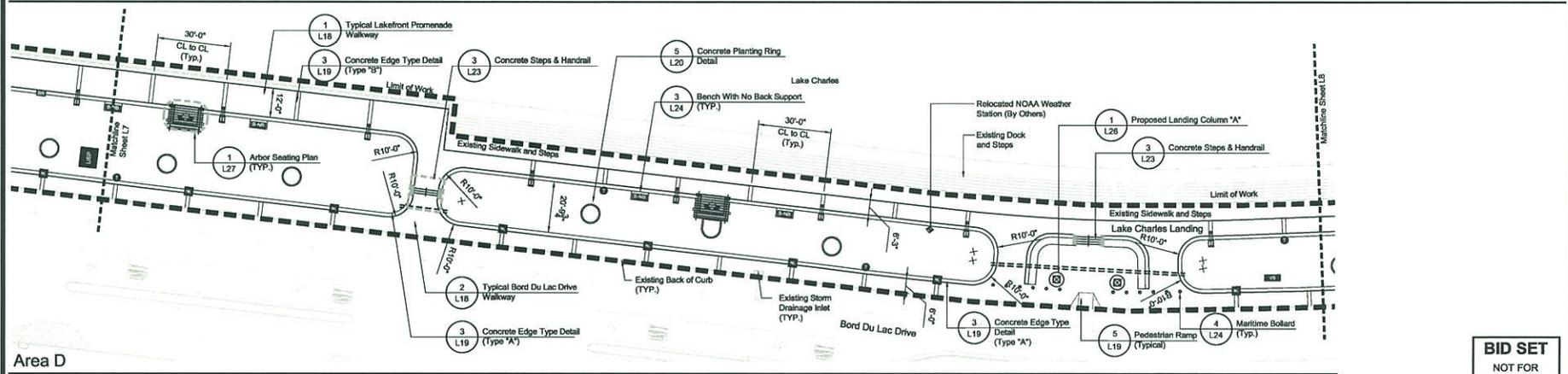
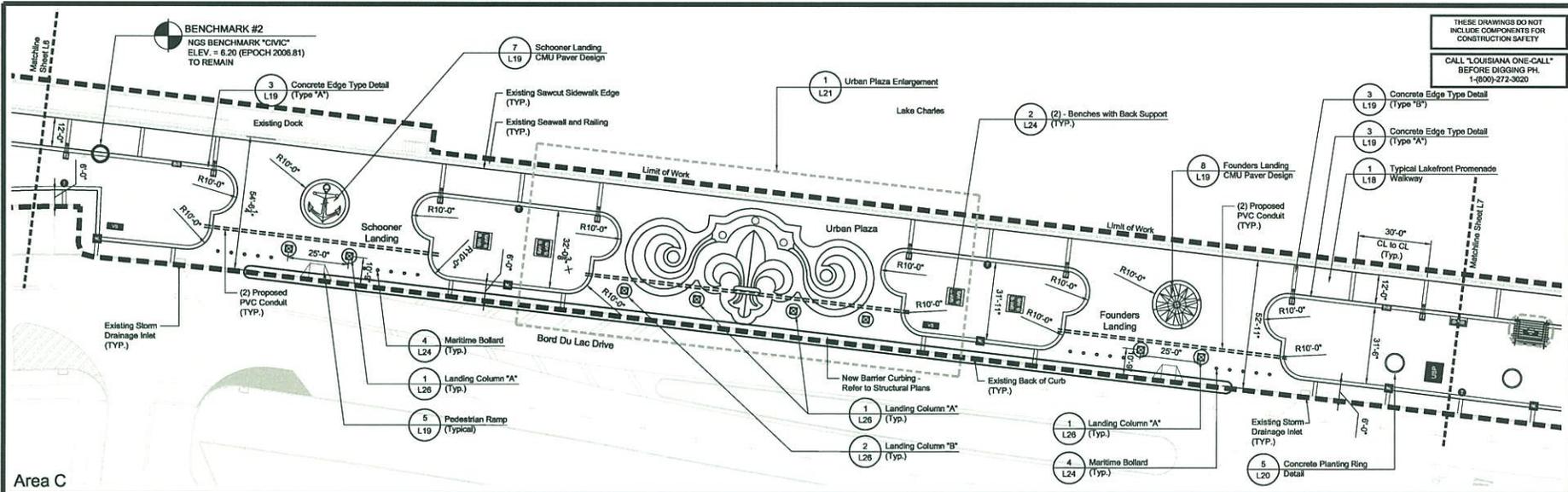
SITE LABELS AND REFERENCES FOR SHEETS L5 - L8:



SYMBOL LEGEND

	CUSTOM LIGHTING FIXTURE SEE DETAIL 1 SHEET L30
	NEW LIGHTING FIXTURE SEE DETAIL 6 SHEET L30
	NEW VENDOR STATION SEE DETAIL 2 SHEET L26
	UTILITY SERVICE POINT SEE DETAIL 1 SHEET L26
	BENCH WITH BACK
	BENCH WITH NO BACK
	BIKE RACK
	LITTER RECEPTACLE





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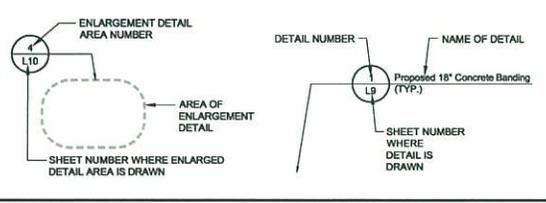
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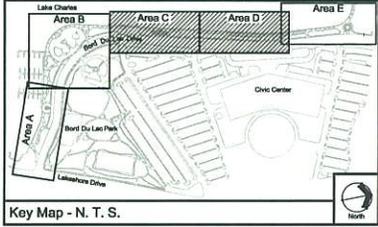
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 - REFERENCE SHEETS L9 - L13 FOR NORTHING AND EASTING POINT LOCATIONS.

SITE LABELS AND REFERENCES FOR SHEETS L5 - L8:



SYMBOL LEGEND

- CUSTOM LIGHTING FIXTURE SEE DETAIL 1 SHEET L30
- NEW LIGHTING FIXTURE SEE DETAIL 6 SHEET L30
- NEW VENDOR STATION SEE DETAIL 2 SHEET L28
- UTILITY SERVICE POINT SEE DETAIL 1 SHEET L28
- BENCH WITH BACK
- BENCH WITH NO BACK
- BIKE RACK
- LITTER RECEPTACLE
- 4" PVC CONDUIT

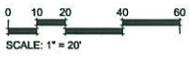


Construction Documents For:
Lakefront Promenade
Lake Charles, Louisiana
Site Layout - Area C & D



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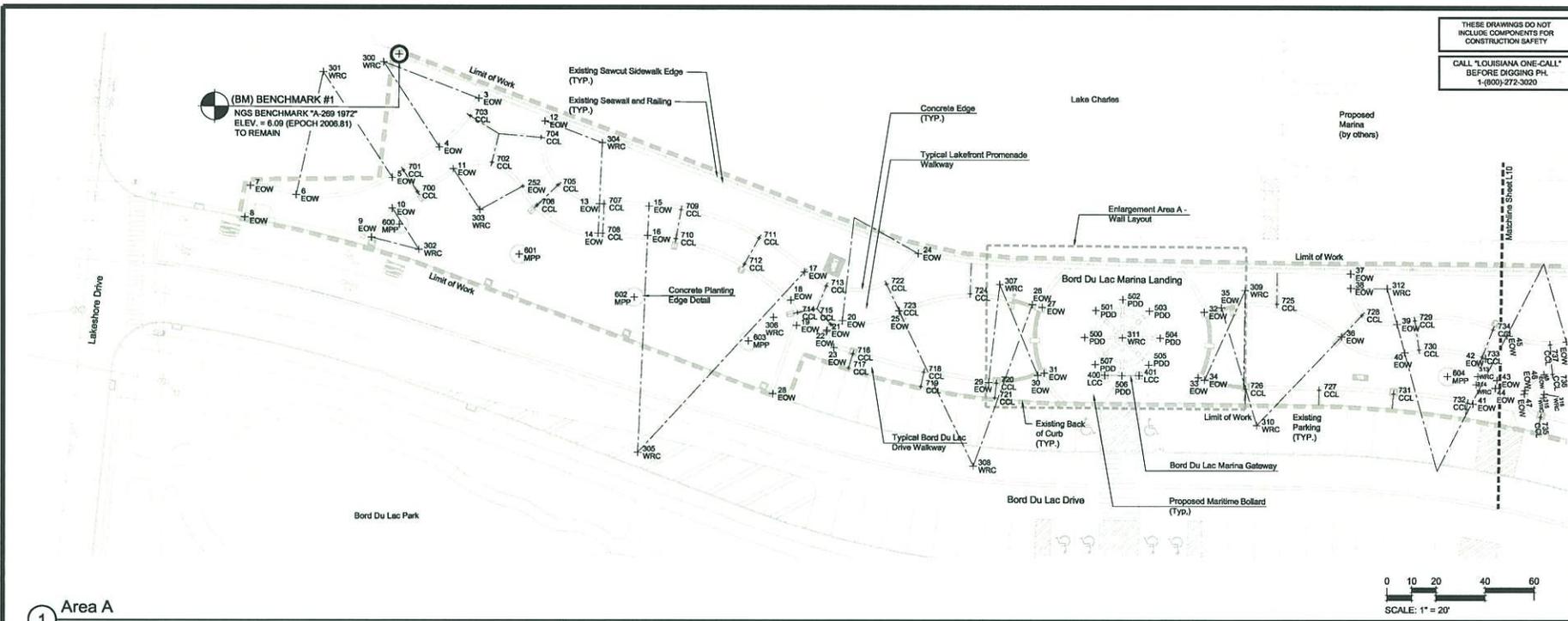
REVISIONS:

Construction Documents For:
Lakefront Promenade
Lake Charles, Louisiana
Site Point Layout - Area A

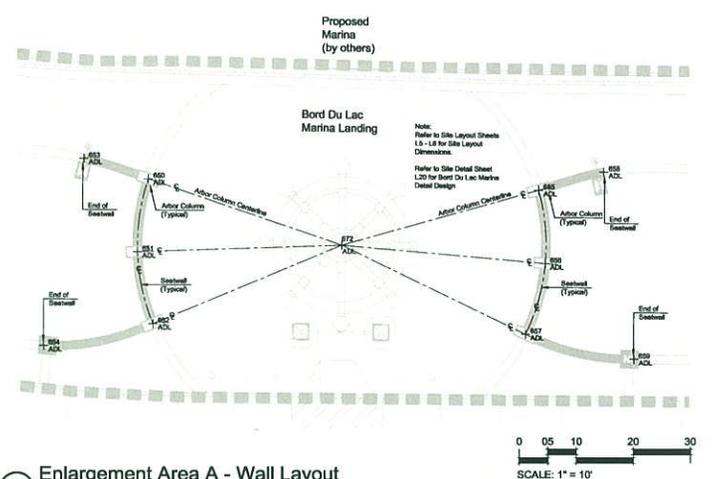


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L9



1 Area A
Scale: 1" = 20'



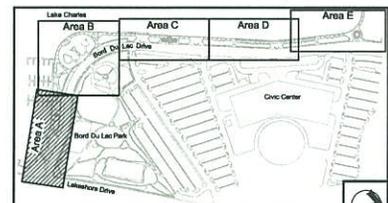
2 Enlargement Area A - Wall Layout
Scale: 1" = 10'

SITE POINT LAYOUT NOTES:

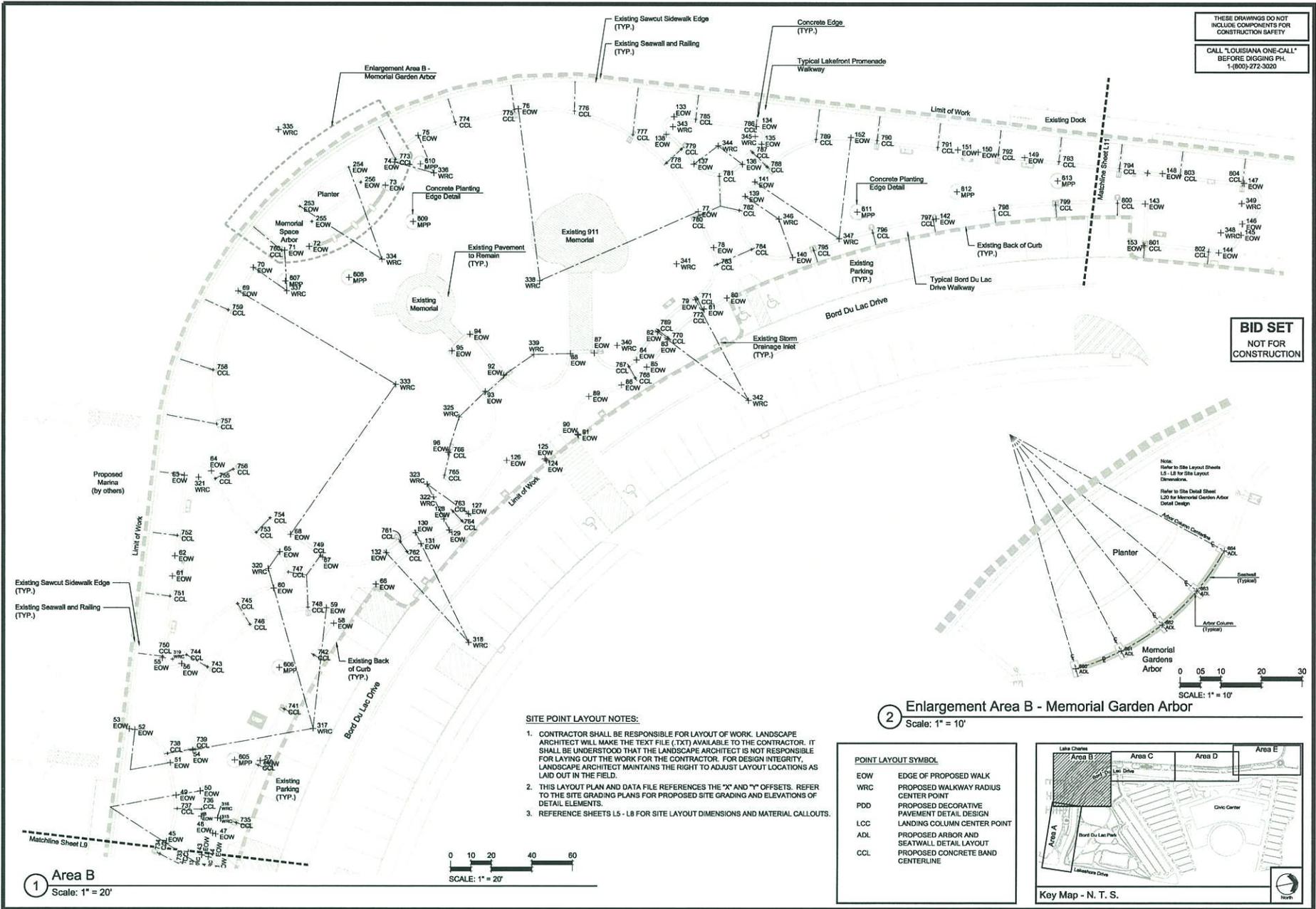
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- THIS LAYOUT PLAN AND DATA FILE REFERENCES THE "X" AND "Y" OFFSETS. REFER TO THE SITE GRADING PLANS FOR PROPOSED SITE GRADING AND ELEVATIONS OF DETAIL ELEMENTS.
- REFERENCE SHEETS L5 - L6 FOR SITE LAYOUT DIMENSIONS AND MATERIAL CALLOUTS.

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POINT LAYOUT SYMBOL	
EOW	EDGE OF PROPOSED WALK
WRC	PROPOSED WALKWAY RADIUS CENTER POINT
PDD	PROPOSED DECORATIVE PAVEMENT DETAIL DESIGN
LCC	LANDING COLUMN CENTER POINT
ADL	PROPOSED ARBOR AND SEATWALL DETAIL LAYOUT
CCL	PROPOSED CONCRETE BAND CENTERLINE



Key Map - N. T. S.



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INCLUDE COMPONENTS FOR
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REVISIONS:

Construction Documents For:
Lakefront Promenade
Lake Charles, Louisiana
Site Point Layout - Area B



DRAWN BY: W.J.B.
DATE: 2/5/09
SCALE: AS SHOWN
JOB #: P.08.P1.0
PHASE: CD

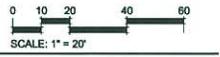
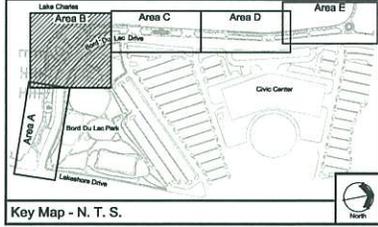
L10

- SITE POINT LAYOUT NOTES:**
- CONTRACTOR SHALL BE RESPONSIBLE FOR LAYOUT OF WORK. LANDSCAPE ARCHITECT WILL MAKE THE TEXT FILE (.TXT) AVAILABLE TO THE CONTRACTOR. IT SHALL BE UNDERSTOOD THAT THE LANDSCAPE ARCHITECT IS NOT RESPONSIBLE FOR LAYING OUT THE WORK FOR THE CONTRACTOR. FOR DESIGN INTEGRITY, LANDSCAPE ARCHITECT MAINTAINS THE RIGHT TO ADJUST LAYOUT LOCATIONS AS LAID OUT IN THE FIELD.
 - THIS LAYOUT PLAN AND DATA FILE REFERENCES THE "X" AND "Y" OFFSETS. REFER TO THE SITE GRADING PLANS FOR PROPOSED SITE GRADING AND ELEVATIONS OF DETAIL ELEMENTS.
 - REFERENCE SHEETS L5 - L8 FOR SITE LAYOUT DIMENSIONS AND MATERIAL CALLOUTS.

2 Enlargement Area B - Memorial Garden Arbor
Scale: 1" = 10'

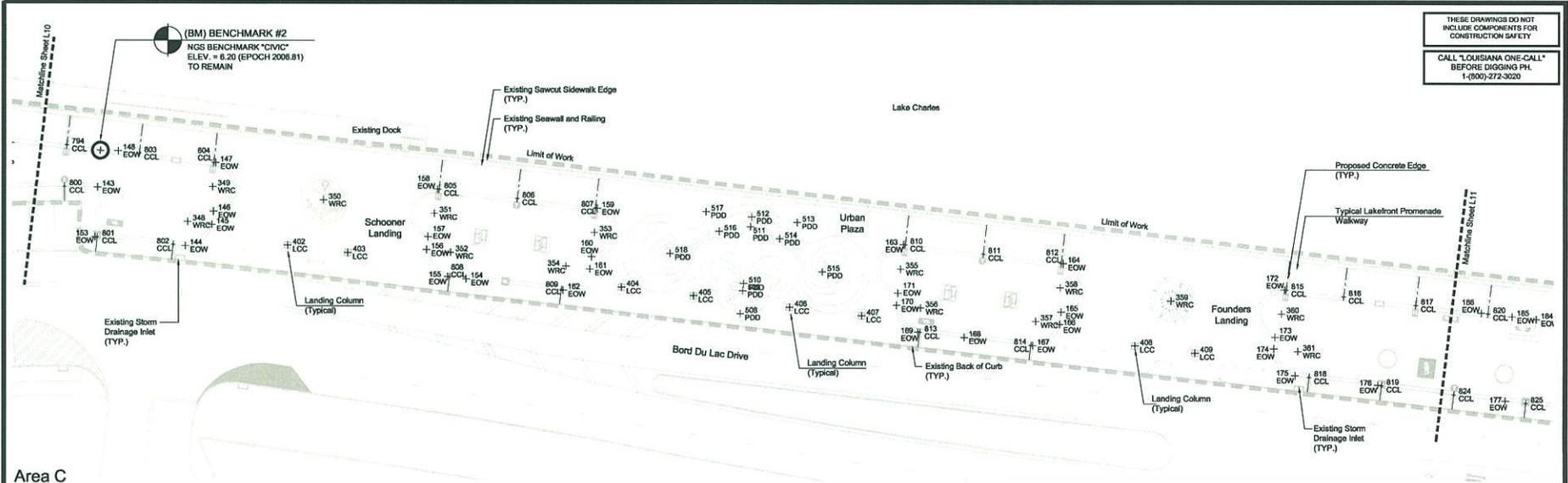
POINT LAYOUT SYMBOL

EOW	EDGE OF PROPOSED WALK
WRC	PROPOSED WALKWAY RADIUS CENTER POINT
PDD	PROPOSED DECORATIVE PAVEMENT DETAIL DESIGN
LCC	LANDING COLUMN CENTER POINT
ADL	PROPOSED ARBOR AND SEATWALL DETAIL LAYOUT
CCL	PROPOSED CONCRETE BAND CENTERLINE

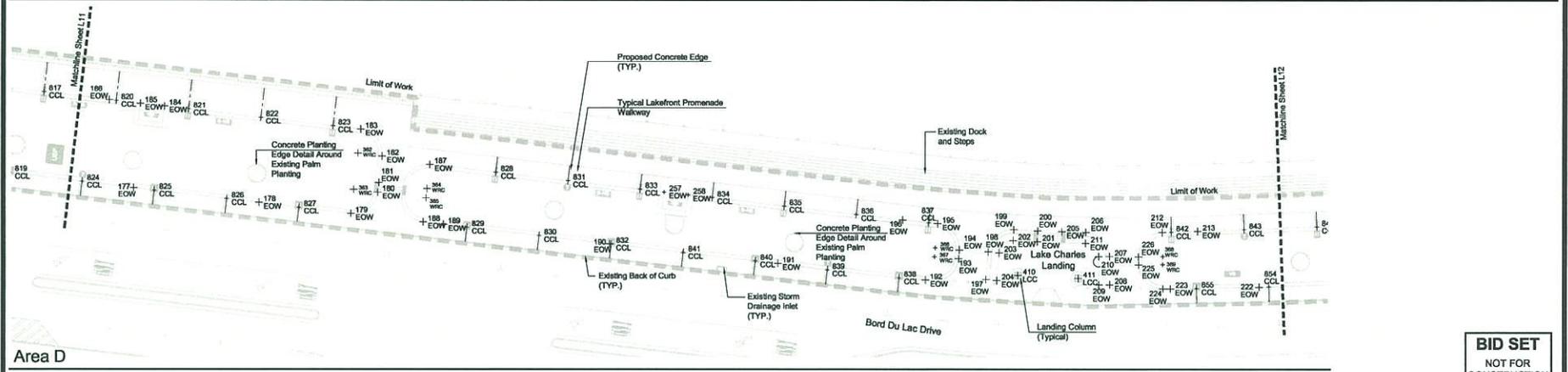


SCALE: 1" = 10'

1 Area B
Scale: 1" = 20'



Area C

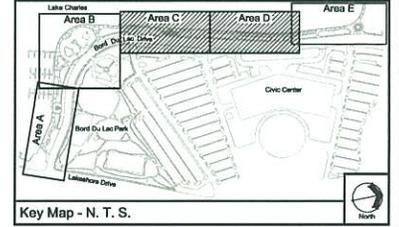


Area D

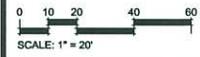
- SITE POINT LAYOUT NOTES:**
1. CONTRACTOR SHALL BE RESPONSIBLE FOR LAYOUT OF WORK. LANDSCAPE ARCHITECT WILL MAKE THE TEXT FILE (.TXT) AVAILABLE TO THE CONTRACTOR. IT SHALL BE UNDERSTOOD THAT THE LANDSCAPE ARCHITECT IS NOT RESPONSIBLE FOR LAYING OUT THE WORK FOR THE CONTRACTOR. FOR DESIGN INTEGRITY, LANDSCAPE ARCHITECT MAINTAINS THE RIGHT TO ADJUST LAYOUT LOCATIONS AS LAID OUT IN THE FIELD.
 2. THIS LAYOUT PLAN AND DATA FILE REFERENCES THE "X" AND "Y" OFFSETS. REFER TO THE SITE GRADING PLANS FOR PROPOSED SITE GRADING AND ELEVATIONS OF DETAIL ELEMENTS.
 3. REFERENCE SHEETS L5 - L8 FOR SITE LAYOUT DIMENSIONS AND MATERIAL CALLOUTS.

POINT LAYOUT SYMBOL

EOW	EDGE OF PROPOSED WALK
WRC	PROPOSED WALKWAY RADIUS CENTER POINT
PDD	PROPOSED DECORATIVE PAVEMENT DETAIL DESIGN
LCC	LANDING COLUMN CENTER POINT
ADL	PROPOSED ARBOR AND SEATWALL DETAIL LAYOUT
CCL	PROPOSED CONCRETE BAND CENTERLINE



Key Map - N. T. S.



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 Phone: 504-885-2222 • Fax: 504-885-2224

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REVISIONS:

Construction Documents For:
Lakefront Promenade
 Lake Charles, Louisiana
Site Point Layout - Area C & D



DRAWN BY: W.J.B.
 DATE: 2/5/09
 SCALE: AS SHOWN
 JOB #: P.08.P1.D
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L11

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Baton Rouge, Louisiana 70802
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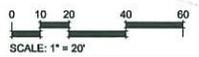
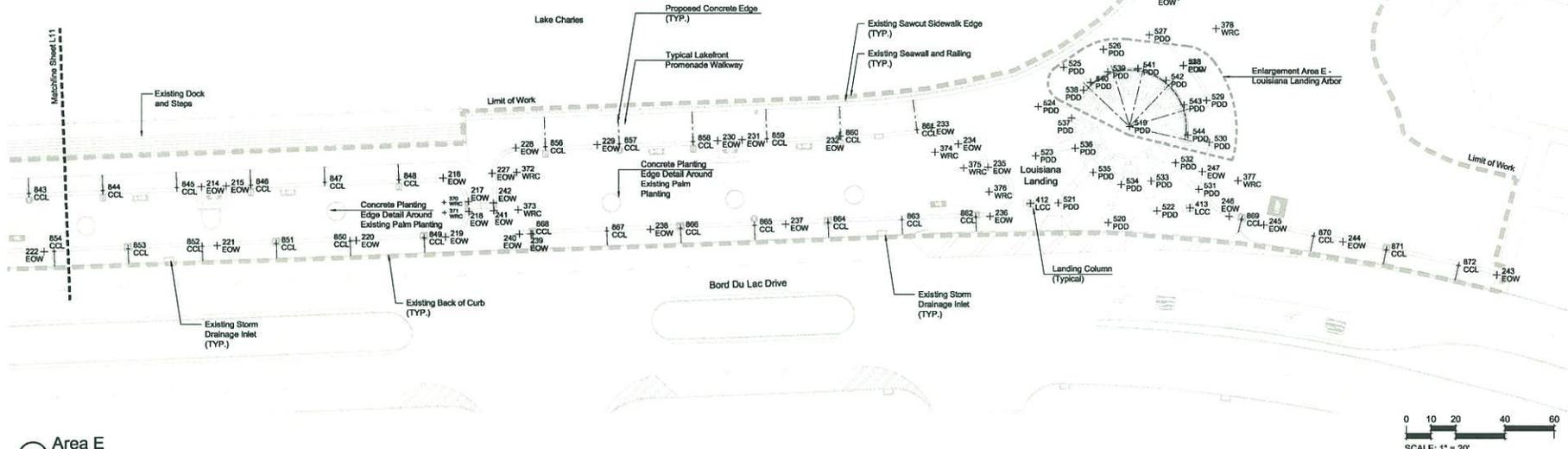
Construction Documents For:
Lakefront Promenade
Lake Charles, Louisiana
Site Point Layout - Area E



DRAWN BY: W.J.B.
DATE: 2/5/09
SCALE: AS SHOWN
JOB #: P.08.P1.0
PHASE: CD

L12

2 Enlargement Area E - Louisiana Landing Arbor
Scale: 1" = 10'



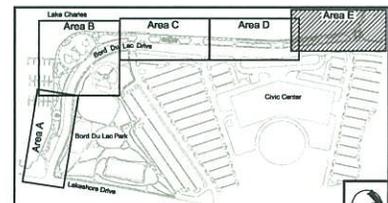
1 Area E
Scale: 1" = 20'

SITE POINT LAYOUT NOTES:

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CONSTRUCTION

POINT LAYOUT SYMBOL	
EW	EDGE OF PROPOSED WALK CENTER POINT
WRC	PROPOSED WALKWAY RADIUS CENTER POINT
PDD	PROPOSED DECORATIVE PAVEMENT DETAIL DESIGN
LCC	LANDING COLUMN CENTER POINT
ADL	PROPOSED ARBOR AND SEATWALL DETAIL LAYOUT
CCL	PROPOSED CONCRETE BAND CENTERLINE



Key Map - N. T. S.

POINT NO.	NORTHING, EASTING	SYMBOL
1	631887.5720,2684562.3170,	BM
2	632072.7070,2683938.9190,	BM
3	631914.6529,2684538.8160,	BM
4	631928.6288,2684552.2067,	EW
5	631934.7261,2684890.2766,	EW
6	631939.4716,2684119.7766,	EW
7	631920.3995,2684638.3945,	EW
8	631931.8835,2684842.4874,	EW
9	631935.3855,2684956.7531,	EW
10	631946.8796,2684584.1031,	EW
11	631938.7865,2684555.5443,	EW
12	631931.4898,2684513.9010,	EW
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14	631981.7194,2684507.1004,	EW
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18	632031.2740,2684440.1480,	EW
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23	632054.9645,2684428.1908,	EW
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25	632048.8811,2684398.3632,	EW
26	632082.8005,2684348.5454,	EW
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28	632065.2721,2684458.0677,	EW
29	632087.5955,2684374.0863,	EW
30	632200.7319,2684042.8786,	EW
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32	632087.0189,2684280.5408,	EW
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POINT NO.	NORTHING, EASTING	SYMBOL
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190	NOT USED	

POINT NO.	NORTHING, EASTING	SYMBOL
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205	633591.8929,2684283.3264,	EW
206	633602.3867,2684522.5736,	EW
207	633609.9609,2684284.2581,	EW
208	633607.7008,2684275.7028,	EW
209	633603.2853,2684274.8347,	EW
210	633605.5354,2684283.3000,	EW
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212	633603.2978,2684286.9635,	EW
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215	633745.8290,2684277.5343,	EW
216	633782.3693,2684291.8163,	EW
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220	633792.8264,2684308.8312,	EW
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POINT NO.	NORTHING, EASTING	SYMBOL
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352	632085.2680,2684008.7322,	WRC
353	632085.2680,2684008.7322,	WRC
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355	632085.2680,2684008.7322,	WRC
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362	632085.2680,2684008.7322,	WRC
363	632085.2680,2684008.7322,	WRC
364	632085.2680,2684008.7322,	WRC
365	632085.2680,2684008.7322,	WRC
366	632085.2680,2684008.7322,	WRC
36		

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New Orleans, Louisiana 70112
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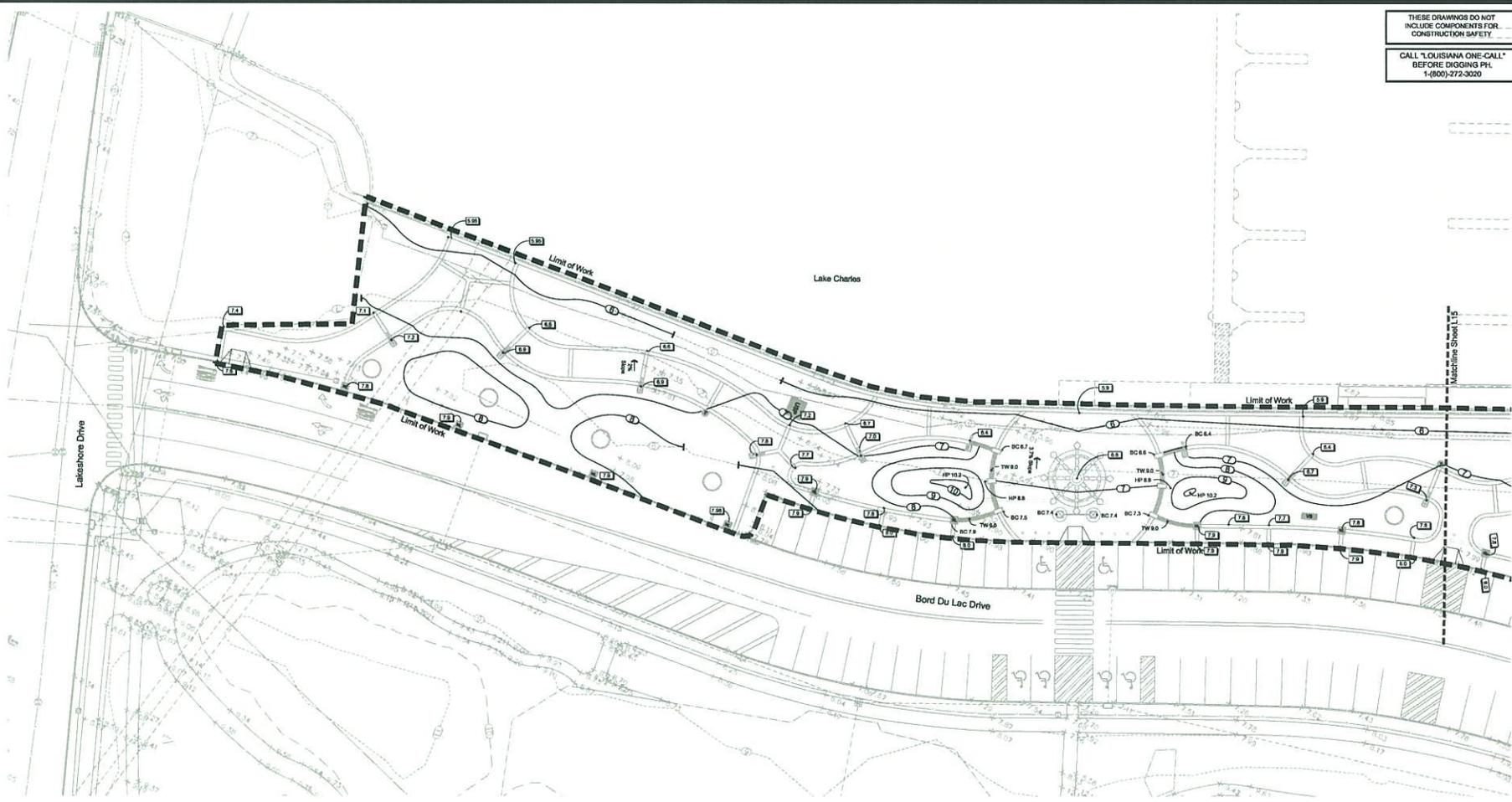
REVISIONS:

Construction Documents For:
Lakefront Promenade
Lake Charles, Louisiana
Site Grading - Area A



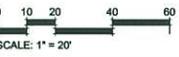
DRAWN BY: W.J.B.
DATE: 2/5/09
SCALE: AS SHOWN
JOB #: P.08.P1.D
PHASE: CD

L14



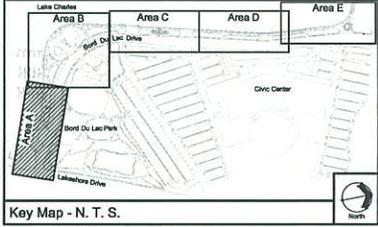
DRAINAGE AND GRADING NOTES SHEETS L14 - L17:

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.



SITE GRADING AND DRAINAGE LEGEND

	EXISTING SPOT GRADE ELEVATION
	EXISTING MINOR CONTOUR ELEVATION
	EXISTING MAJOR CONTOUR ELEVATION
	LIMIT OF WORK
	PROPOSED SPOT GRADE ELEVATION
	PROPOSED CONTOUR ELEVATION
	PROPOSED TOP OF WALL (FINISHED GRADE) SPOT GRADE ELEVATION
	PROPOSED BOTTOM OF COLUMN (FINISHED GRADE) SPOT GRADE ELEVATION



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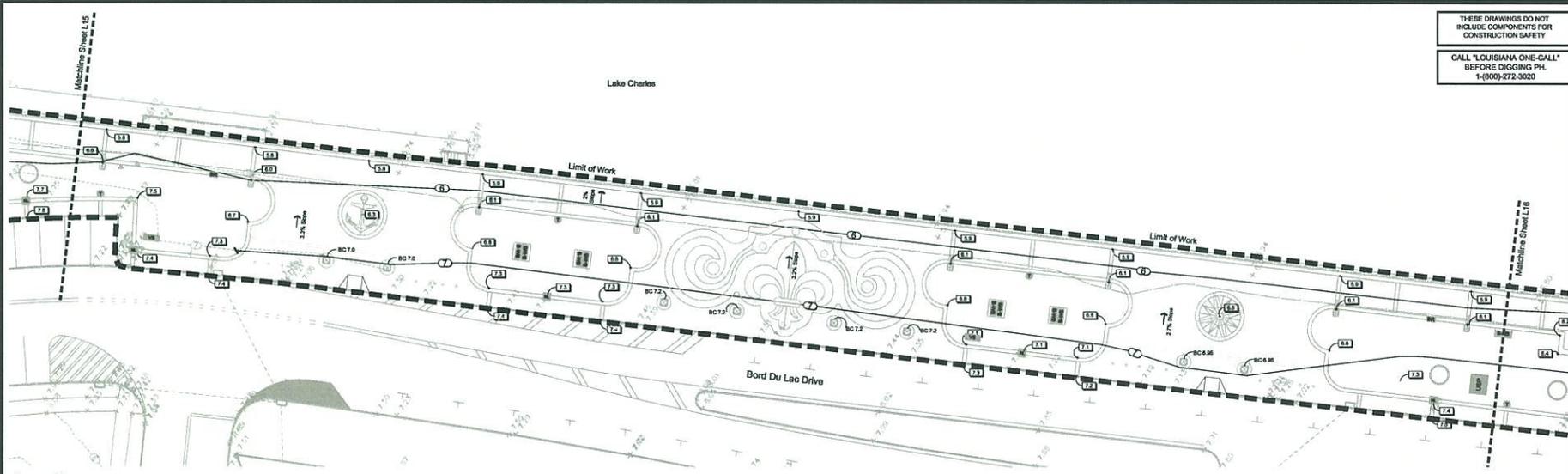
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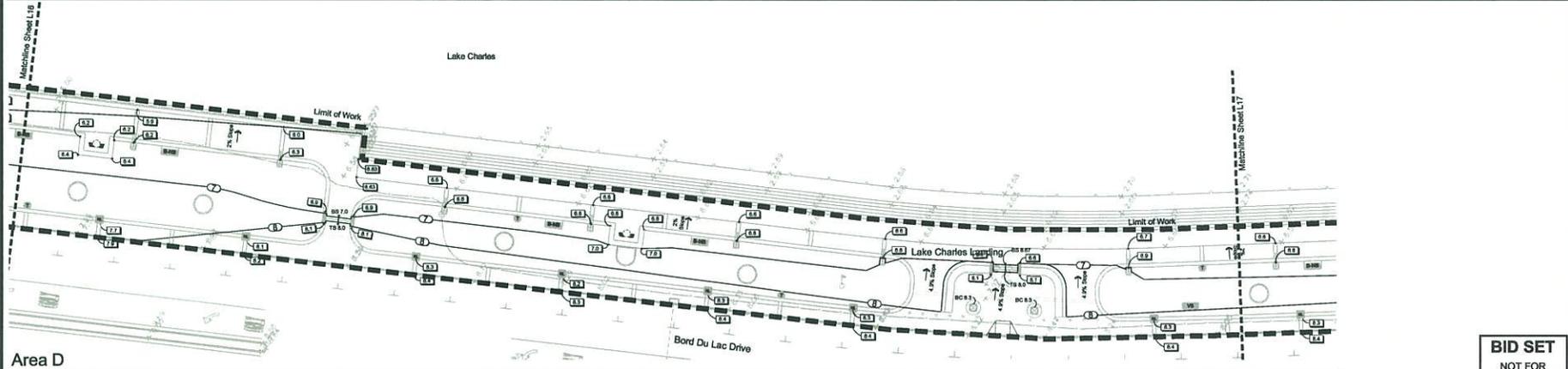
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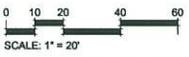
Area C



Area D

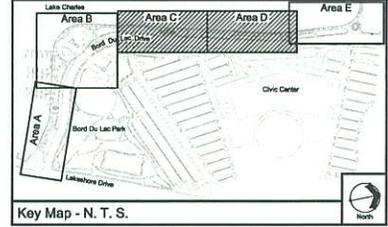
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SITE GRADING AND DRAINAGE LEGEND

$+ 8.20$	EXISTING SPOT GRADE ELEVATION
$\text{---} \text{---} \text{---}$	EXISTING MINOR CONTOUR ELEVATION
$\text{---} \text{---} \text{---}$	EXISTING MAJOR CONTOUR ELEVATION
$\text{---} \text{---} \text{---}$	LIMIT OF WORK
$\text{---} \text{---} \text{---}$	PROPOSED SPOT GRADE ELEVATION
$\text{---} \text{---} \text{---}$	PROPOSED CONTOUR ELEVATION
T.W. 8.0	PROPOSED TOP OF WALL (FINISHED GRADE) SPOT GRADE ELEVATION
B.C. 7.2	PROPOSED BOTTOM OF COLUMN (FINISHED GRADE) SPOT GRADE ELEVATION



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Construction Documents For:
Lakefront Promenade
Lake Charles, Louisiana
Site Grading - Area C & D



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DATE: 2/5/09
SCALE: AS SHOWN
JOB #: P.08.P1.D
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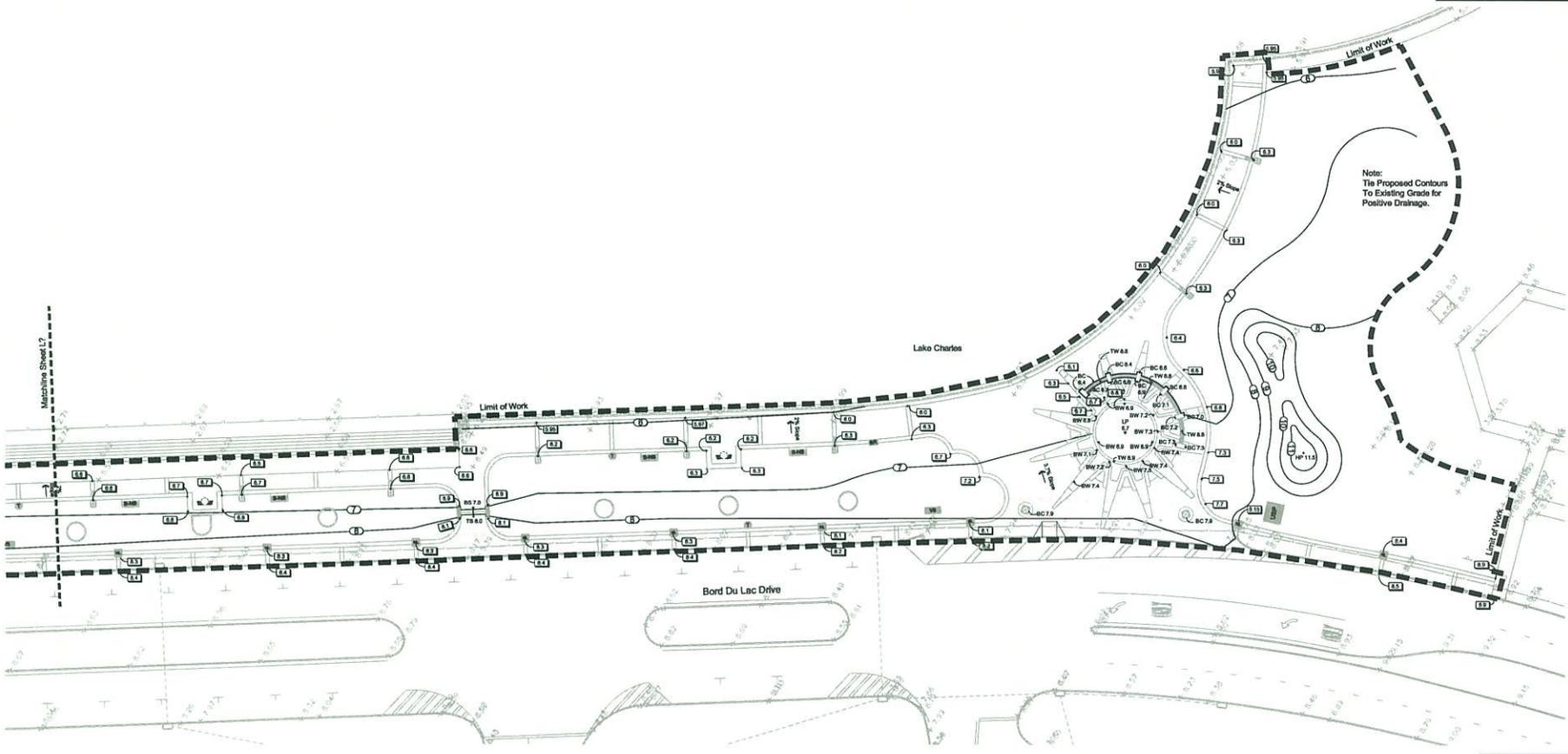
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1011
Phone: 504-442-2233 • Fax: 504-442-2248

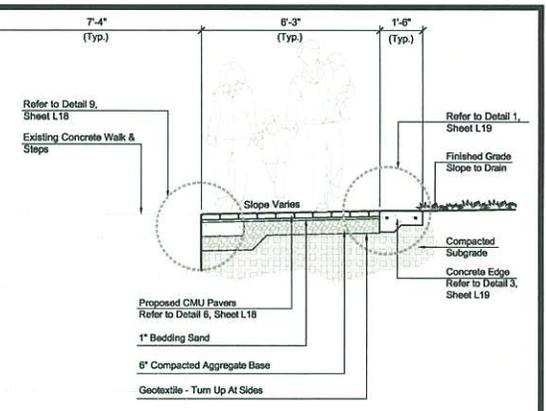
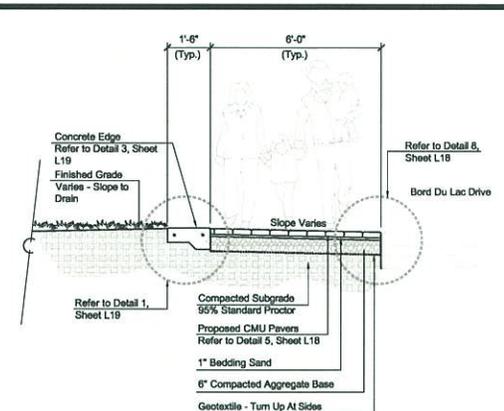
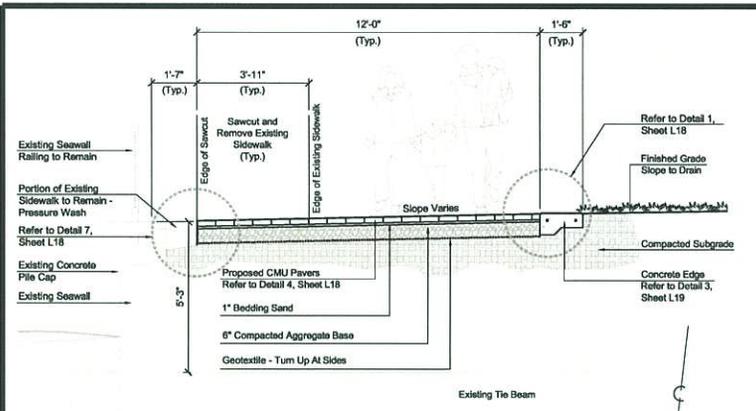
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Lake Charles, Louisiana
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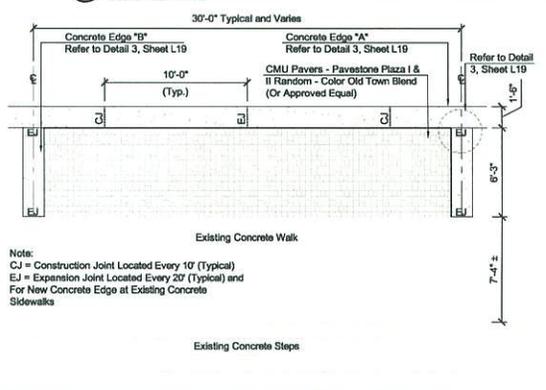
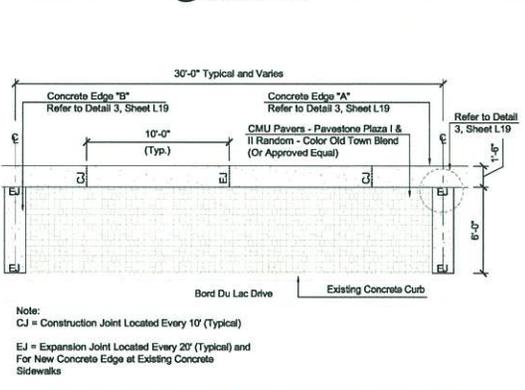
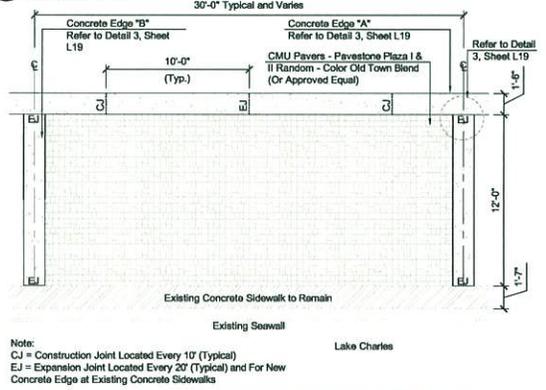




1 Typical Lakefront Promenade Walkway - Section
Scale: 1/2" = 1'-0"

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

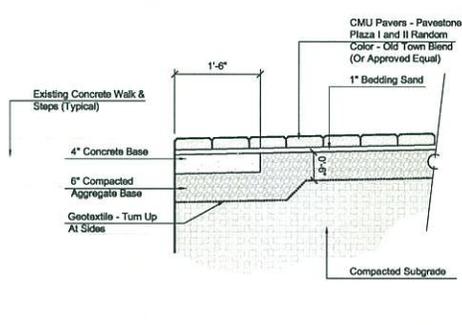
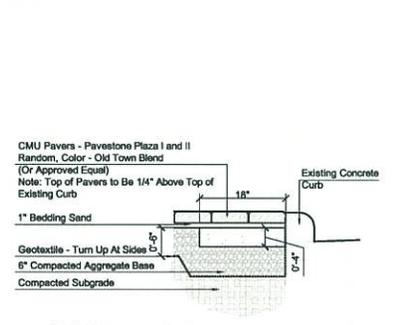
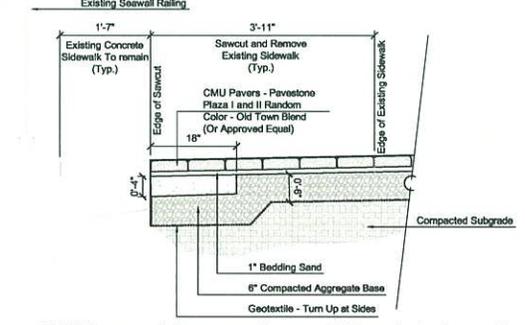
3 Lakefront Promenade Walkway at Concrete Steps
Scale: 1/2" = 1'-0"



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 Promenade Walkway at Concrete Steps - Plan View
Scale: 1/4" = 1'-0"



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

8 CMU Pavers Adjacent to Existing Curb
Scale: 1" = 1'-0"

9 CMU Pavers Adjacent to Existing Concrete Steps
Scale: 1" = 1'-0"



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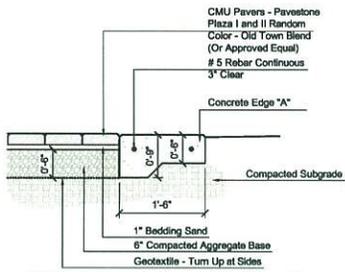
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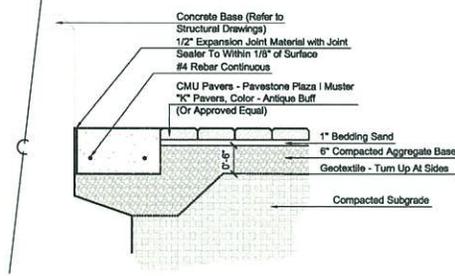
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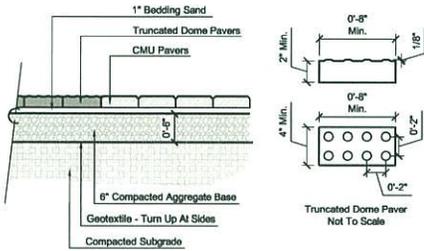
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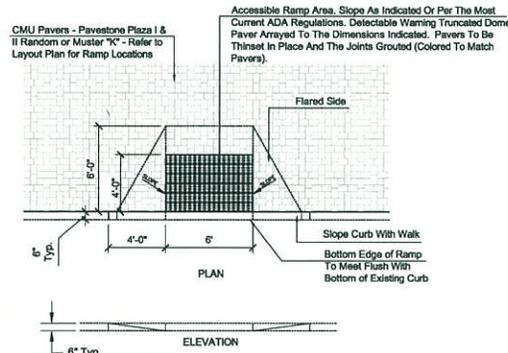
1 CMU Pavers Adjacent to New Concrete Edge
Scale: 1" = 1'-0"



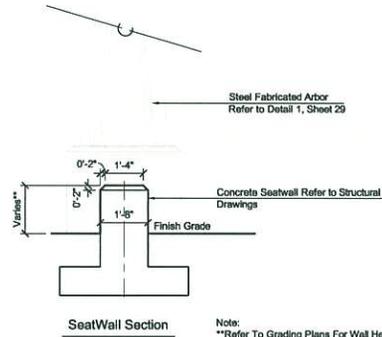
2 CMU Pavers Adjacent to Landing Column Base
Scale: 1" = 1'-0"



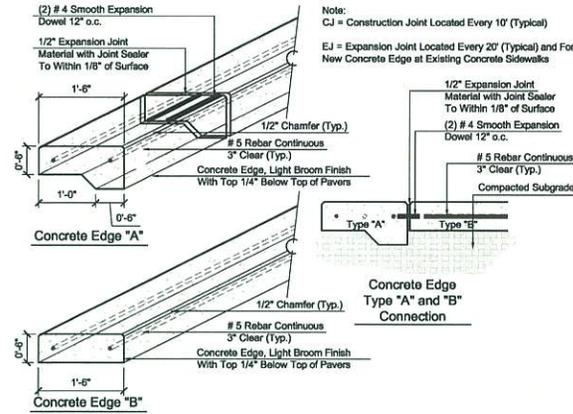
4 CMU Pavers Adjacent to Pedestrian Ramp
Scale: 1" = 1'-0"



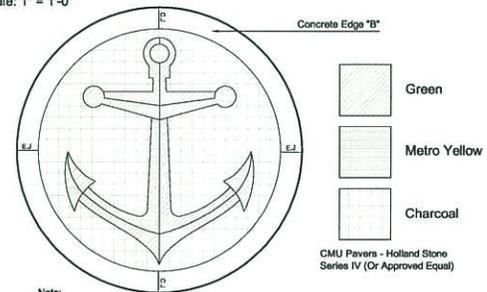
5 Pedestrian Ramp
Scale: 1/4" = 1'-0"



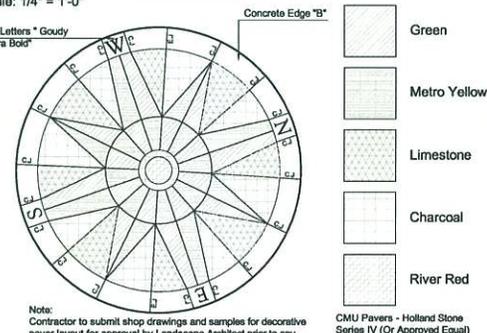
6 Concrete Arbor Seatwall
Scale: 1" = 1'-0"



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



7 Schooner Landing CMU Paver Design
Scale: 1/4" = 1'-0"



8 Founders Landing CMU Paver Design
Scale: 1/4" = 1'-0"

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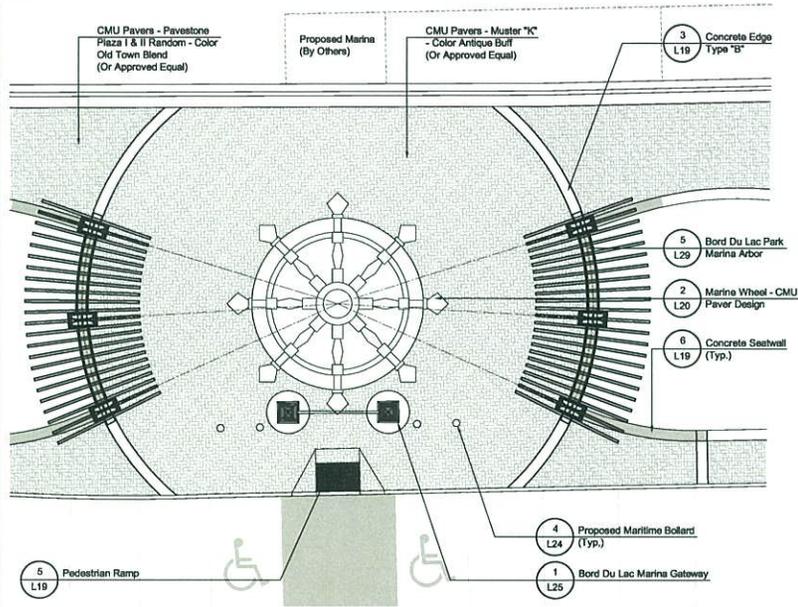
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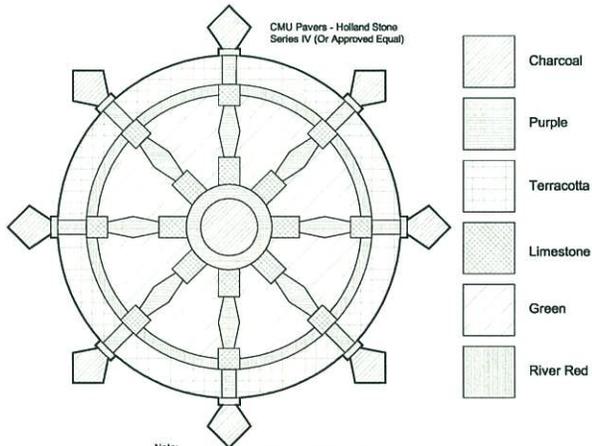
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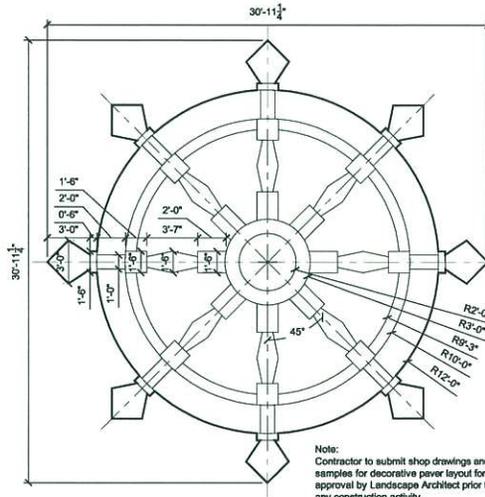


1 Bord Du Lac Marina Landing Enlargement
Scale: 1/8" = 1' - 0"

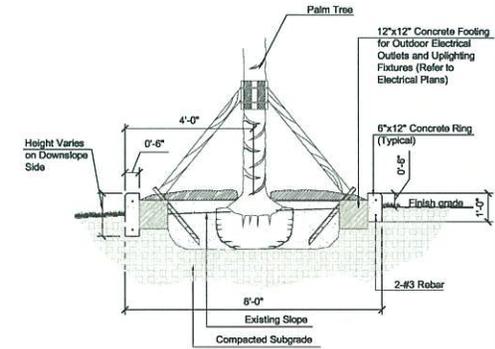


Note:
Contractor to submit shop drawings and samples for
decorative paver layout for approval by Landscape Architect
prior to any construction activity.

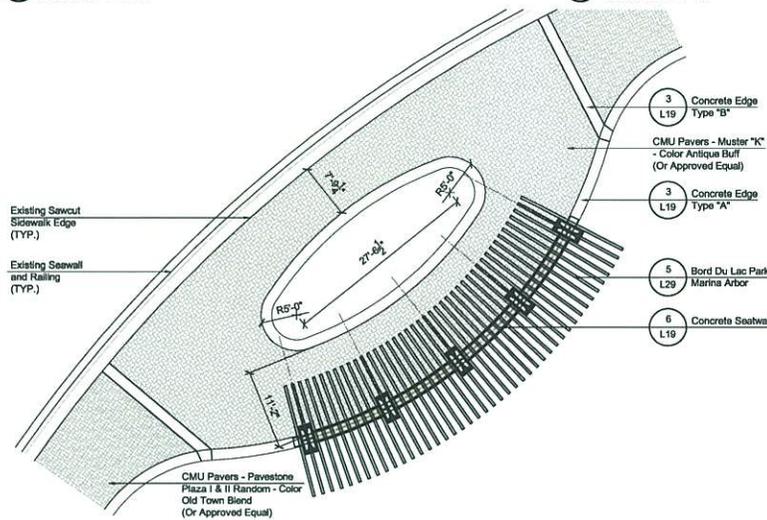
2 Marine Wheel CMU Paver Design
Scale: 1/4" = 1' - 0"



3 Marine Wheel CMU Paver Layout
Scale: 1/4" = 1' - 0"



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



4 Memorial Gardens Arbor Enlargement
Scale: 1/8" = 1' - 0"

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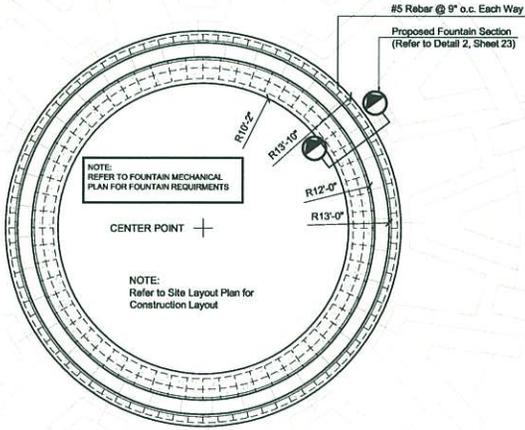
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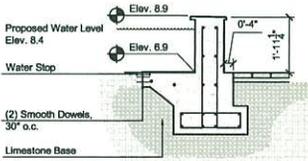
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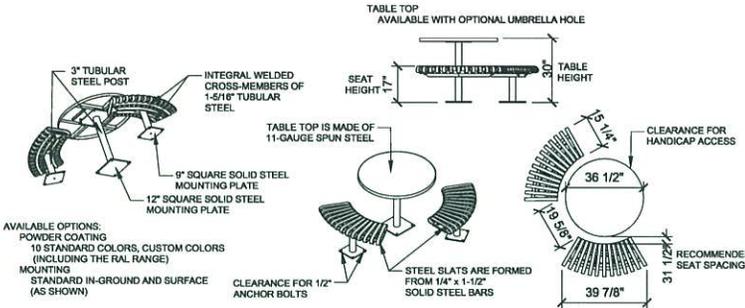
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1 26 Foot Diameter Water Fountain
Scale: 1/4" = 1'-0"

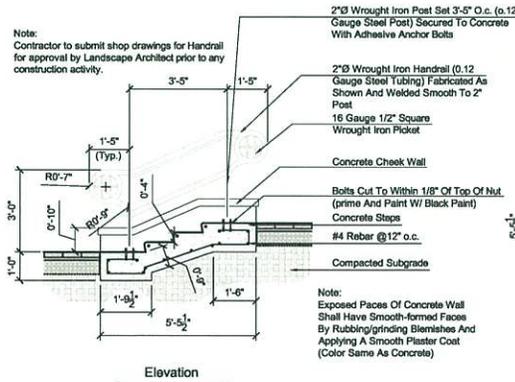


2 Proposed Fountain Section
Scale: 1/2" = 1'-0"

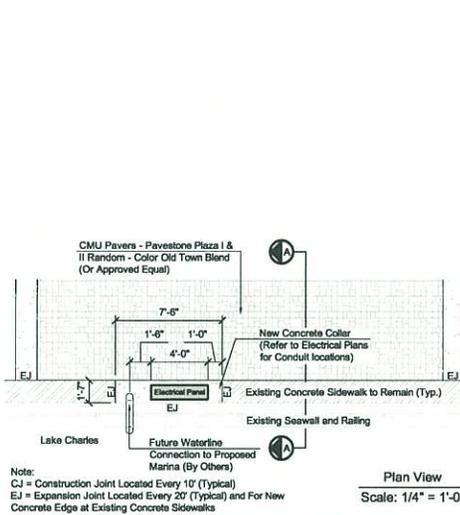
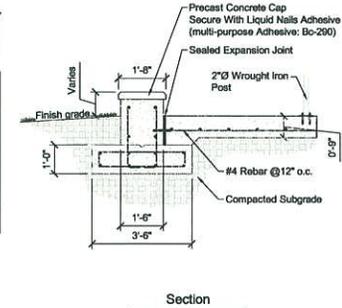
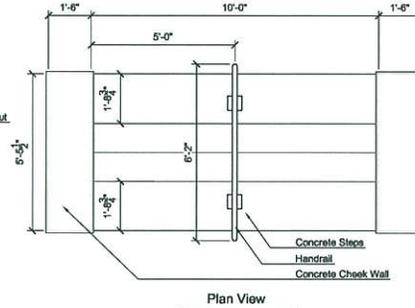


- AVAILABLE OPTIONS:
POWDER COATING
10 STANDARD COLORS, CUSTOM COLORS (INCLUDING THE RAL RANGE)
MOUNTING STANDARD IN-GROUND AND SURFACE (AS SHOWN)
- NOTES:
1. DRAWINGS NOT TO SCALE. DO NOT SCALE DRAWINGS.
2. ALL FABRICATED METAL COMPONENTS ARE STEEL SHOTBLASTED, ETCHED, PHOSPHATIZED, PREHEATED, AND ELECTROSTATICALLY POWDER-COATED WITH T.G.I.C. POLYESTER POWDER COATINGS. PRODUCTS ARE FULLY CLEANED AND PRETREATED, PREHEATED AND COATED WHILE HOT TO FILL CREVICES AND BUILD FILM COATING. COATED PARTS ARE THEN FULLY CURED TO COATING MANUFACTURER'S SPECIFICATIONS. THE THICKNESS OF THE RESULTING FINISH AVERAGES 8-10 MILS (200-250 MICRONS).
3. IT IS NOT RECOMMENDED TO LOCATE ANCHOR BOLTS UNTIL TABLE AND SEATS ARE IN PLACE. THESE VICTOR STANLEY, INC. PRODUCTS MUST BE PERMANENTLY AFFIXED TO THE GROUND. CONSULT YOUR LOCAL CODES FOR REGULATIONS.
4. INSTALL ANCHOR BOLTS PER MANUFACTURER'S SPECIFICATIONS.
5. FOR HIGH SALT ABUSIVE CLIMATES, HOT DIP GALVANIZING BEFORE POWDER COATING IS AVAILABLE. SEE WRITTEN SPECIFICATIONS FOR DETAILS.
6. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE. CONTACT MANUFACTURER FOR DETAILS.
7. THIS PRODUCT IS SHIPPED PARTIALLY UNASSEMBLED.

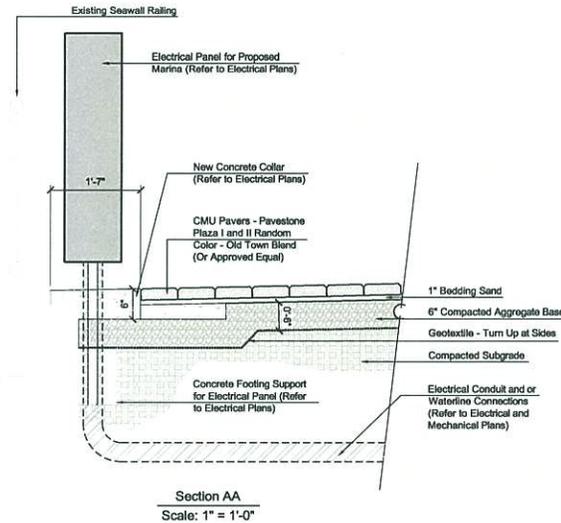
4 Steel Table with Handicap Access
Scale: N.T.S.



3 Concrete Steps and Handrail Detail
Scale: 1/2" = 1'-0"



5 Proposed Utility Crossing at Marina
Scale: As Noted



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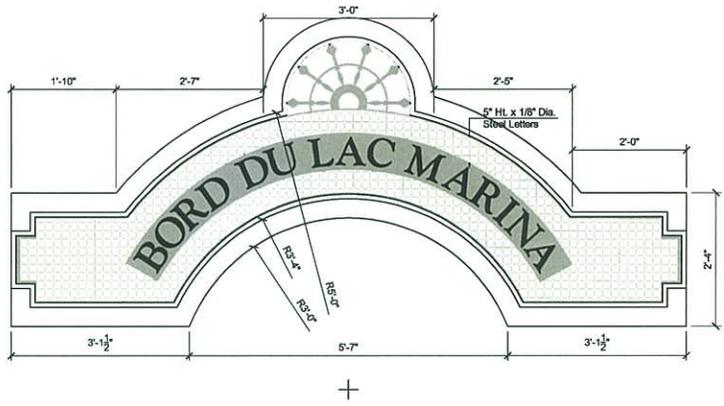
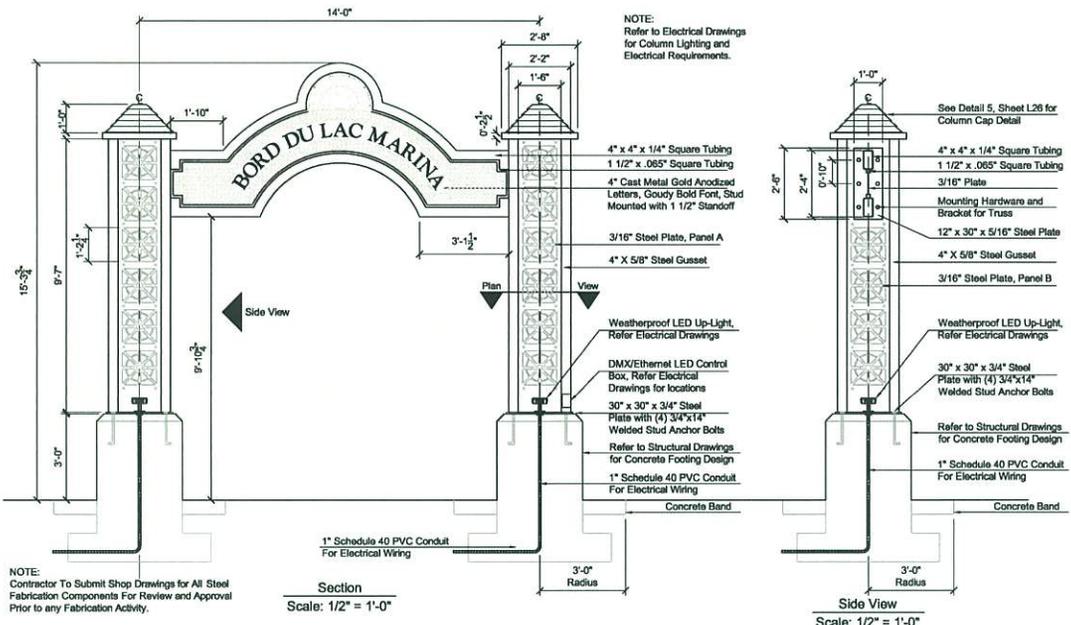
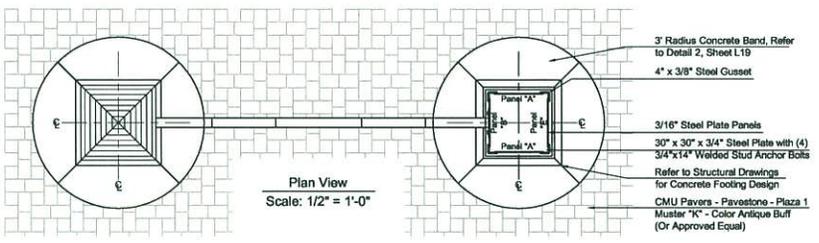
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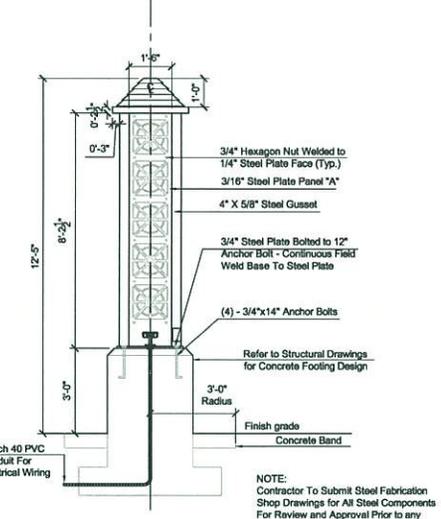
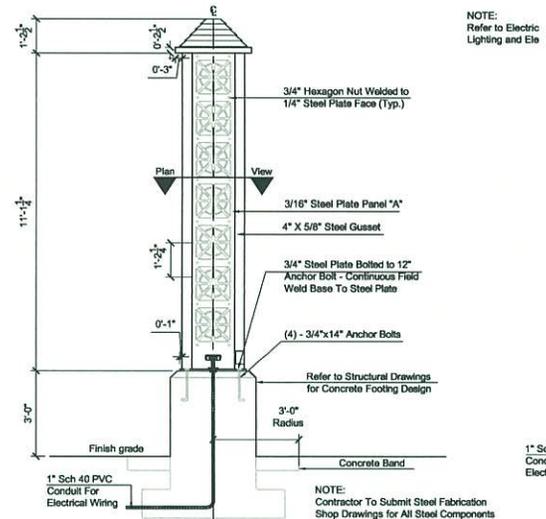
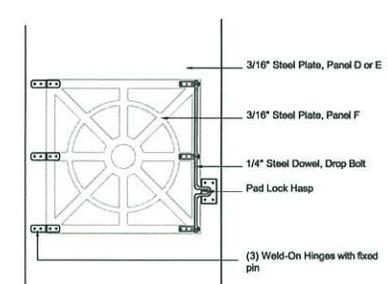
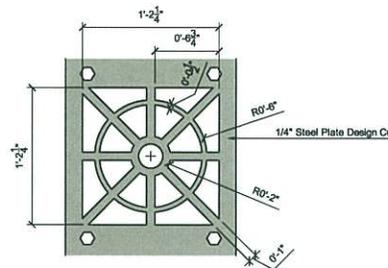
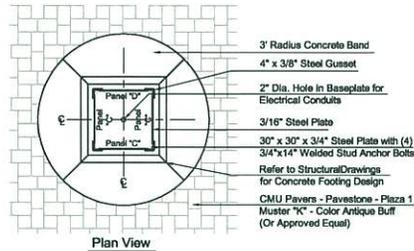
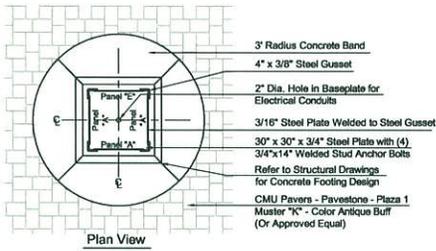
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DATE: 2/5/09
SCALE: AS SHOWN
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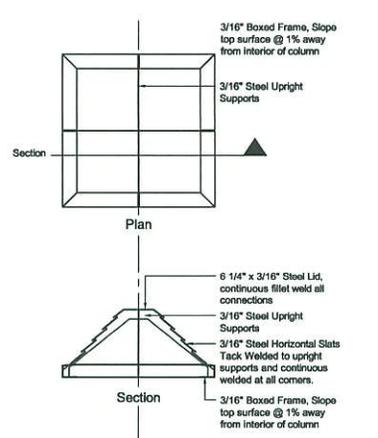
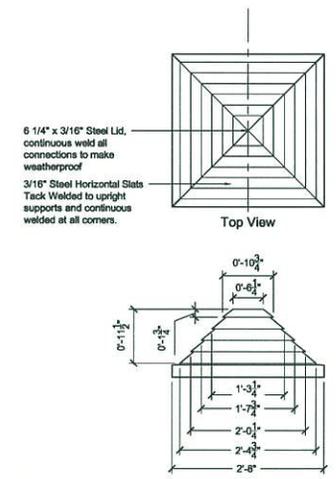


1 Bord Du Lac Marina Gateway
Scale: 1/2" = 1'-0"



3 Steel Plate Panel Design Detail
Scale: 1-1/2" = 1'-0"

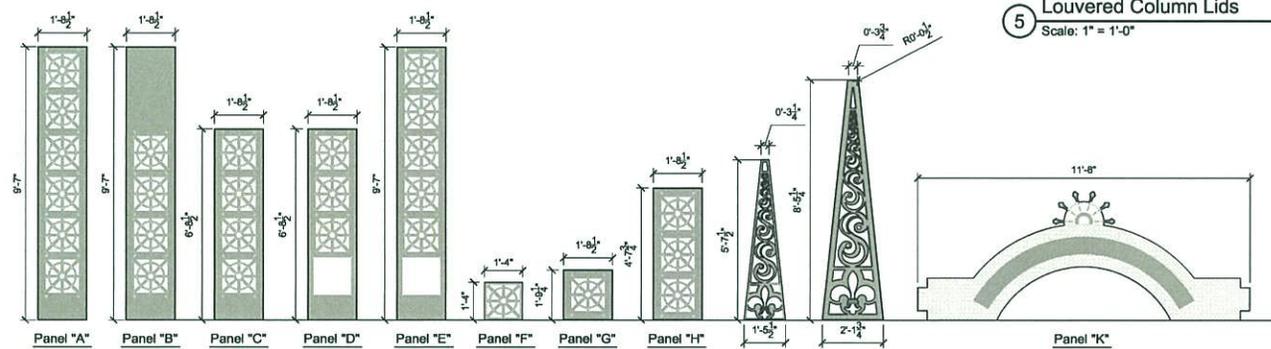
4 Steel Plate Panel Access Door
Scale: 1-1/2" = 1'-0"



1 Landing Column "A"
Scale: 1/2" = 1'-0"

2 Landing Column "B"
Scale: 1/2" = 1'-0"

5 Louvered Column Lids
Scale: 1" = 1'-0"



6 Typical Plate Layout
Scale: 1/2" = 1'-0"



Moore Planning Group, LLC
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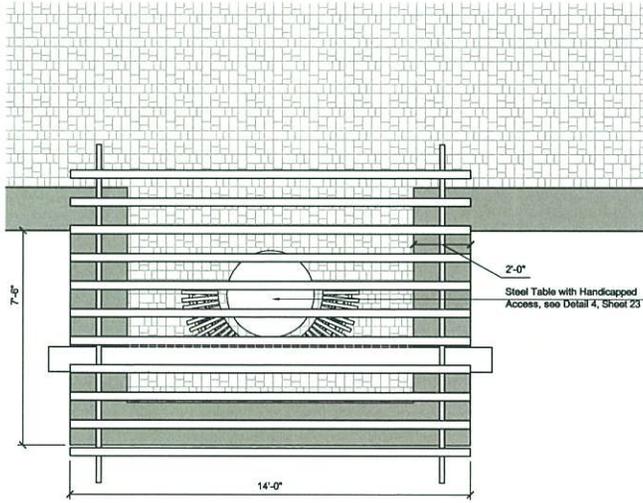
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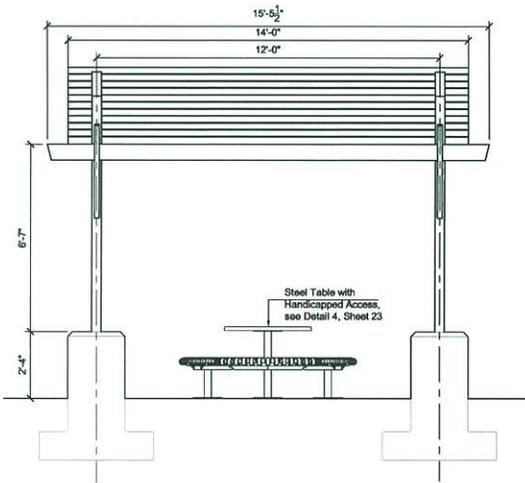
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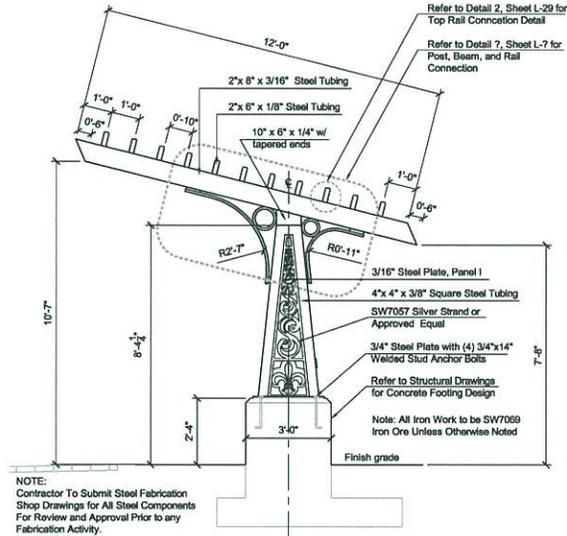


Plan View
Scale: 1/4" = 1'-0"

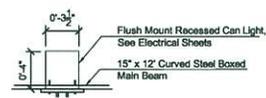
1 Arbor Seating Plan
Scale: 1/2" = 1'-0"



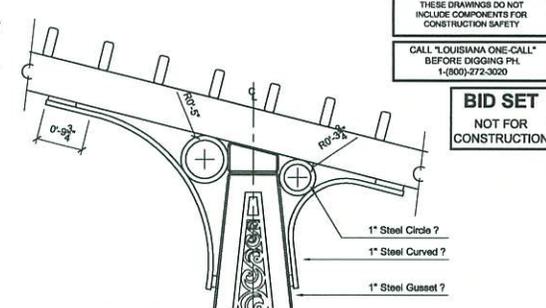
4 Arbor Seating Front Elevation
Scale: 1/2" = 1'-0"



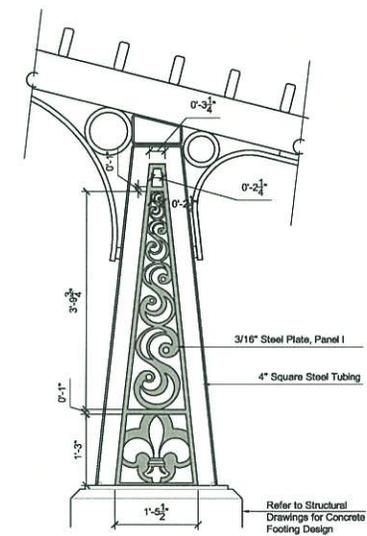
2 Arbor Seating Side Elevation
Scale: 1/2" = 1'-0"



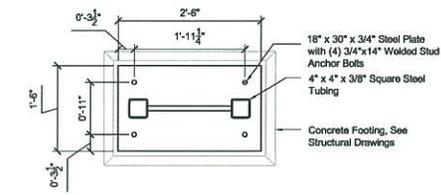
5 Arbor Lighting Detail
Scale: 1/2" = 1'-0"



3 Post, Beam, and Rail Connection
Scale: 1" = 1'-0"



6 Scroll Insert Detail
Scale: 1" = 1'-0"



7 Arbor Seating Anchor Plate Detail
Scale: 1" = 1'-0"

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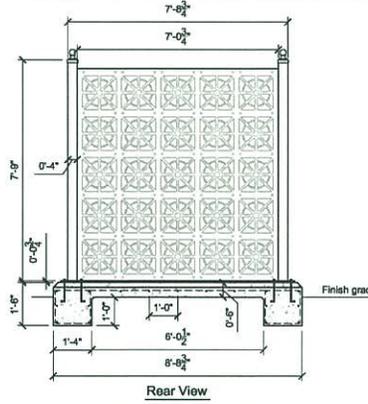
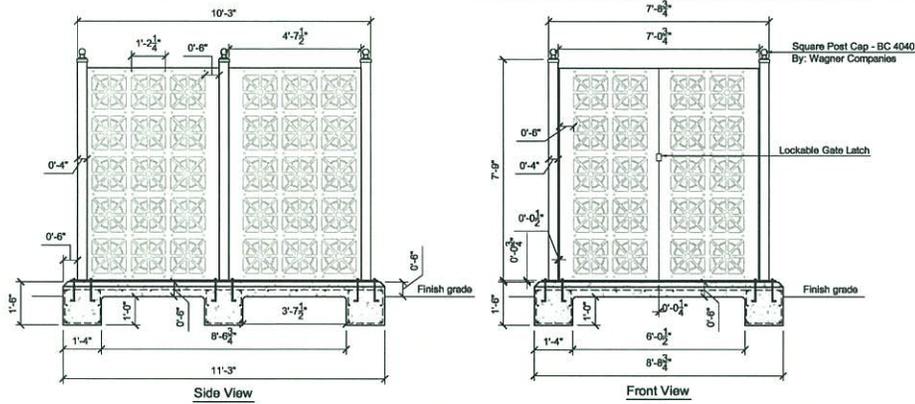
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METairie, LA 70002
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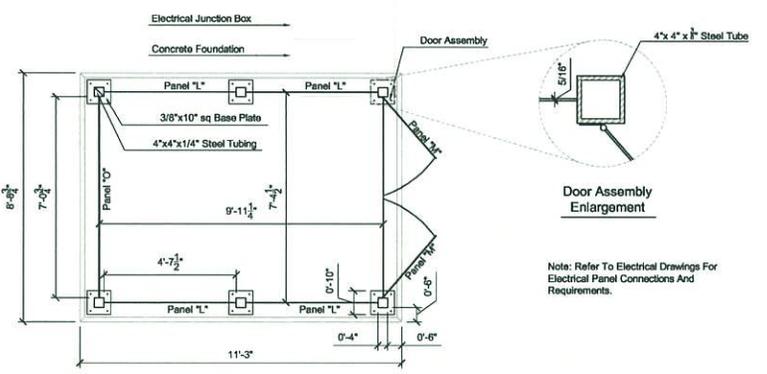
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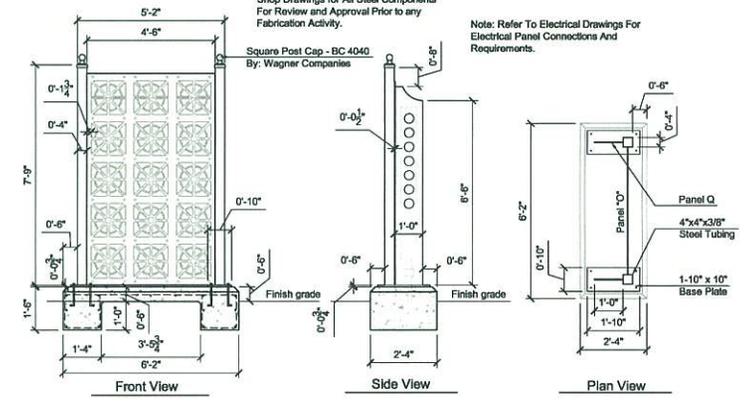


NOTE:
Contractor To Submit Steel Fabrication Shop Drawings for All Steel Components For Review and Approval Prior to any Fabrication Activity.

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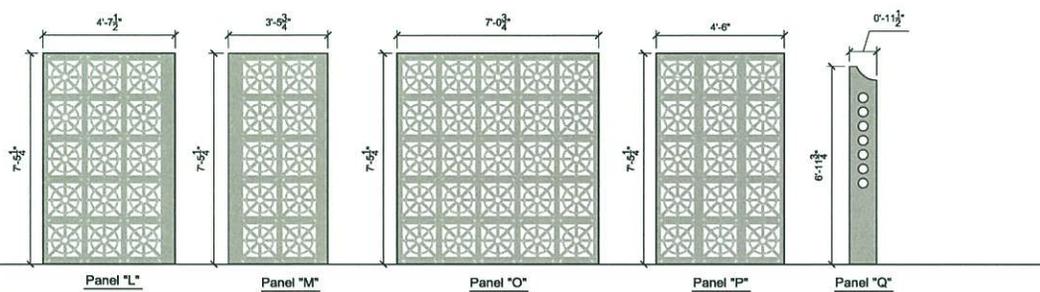
Note: Refer To Electrical Drawings For Electrical Panel Connections And Requirements.



Note: Refer To Electrical Drawings For Electrical Panel Connections And Requirements.

1 Utility Service Panel Enclosure
Scale: 1/2" = 1'-0"

2 Vending Service Panel Enclosure
Scale: 1/2" = 1'-0"



3 Utility Service Panels
Scale: 1/2" = 1'-0"

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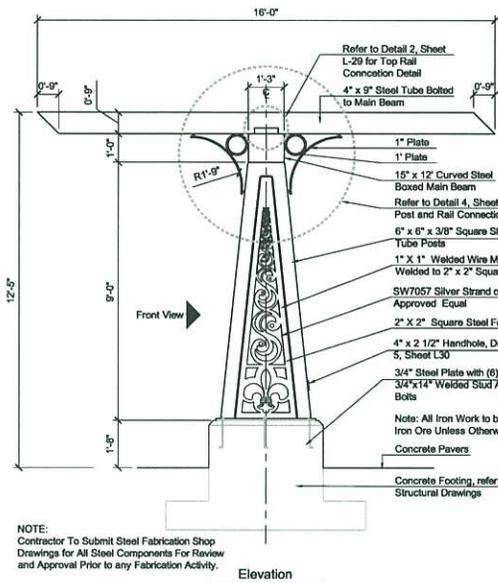
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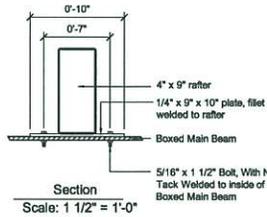
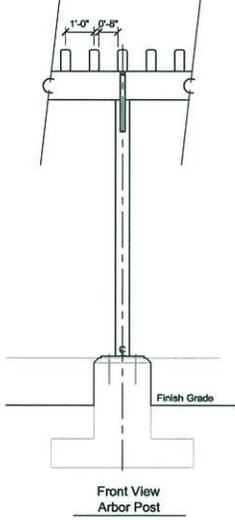
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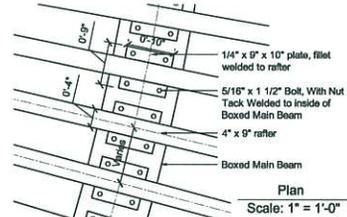
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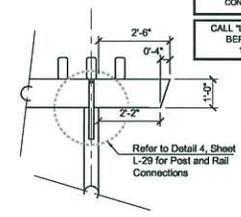
Note: Refer To Electrical Drawings For Lighting Locations and Electrical Requirements.



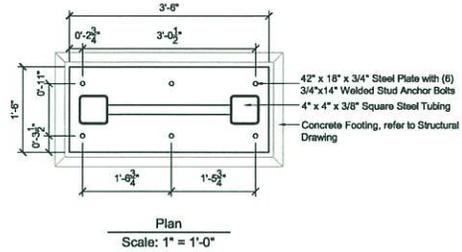
2 Rafter to Beam Connections
Scale: 1 1/2" = 1'-0"



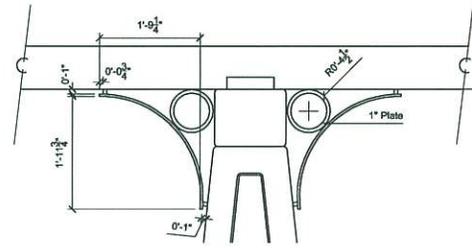
Plan
Scale: 1" = 1'-0"



3 Arbor Beam
Scale: 1/2" = 1'-0"

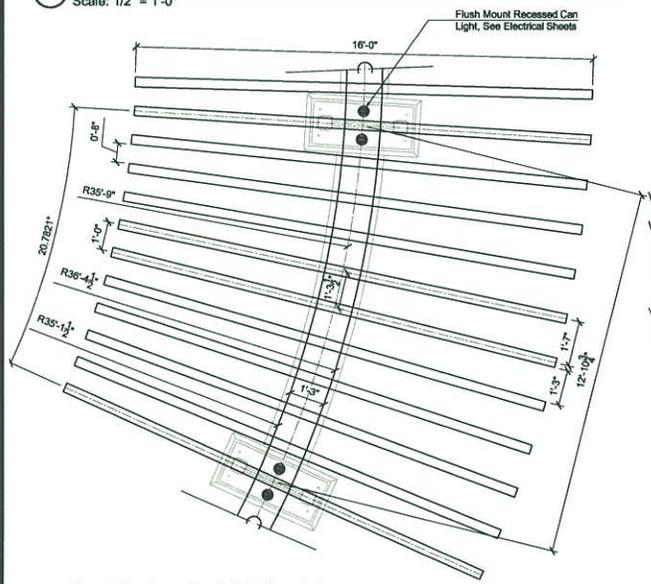


Plan
Scale: 1" = 1'-0"

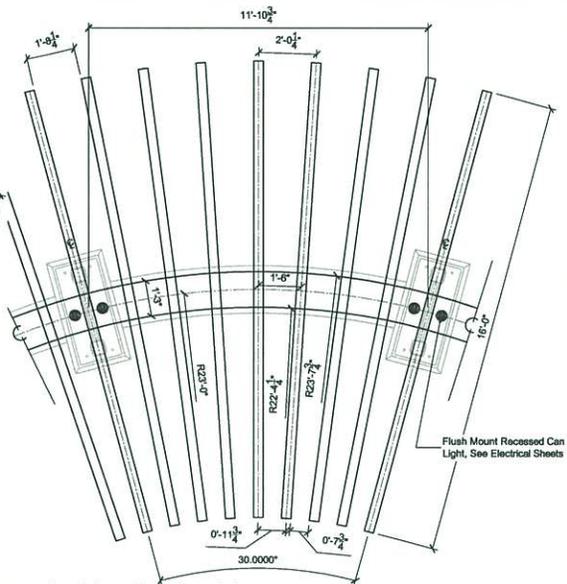


4 Post and Rail Connection
Scale: 1" = 1'-0"

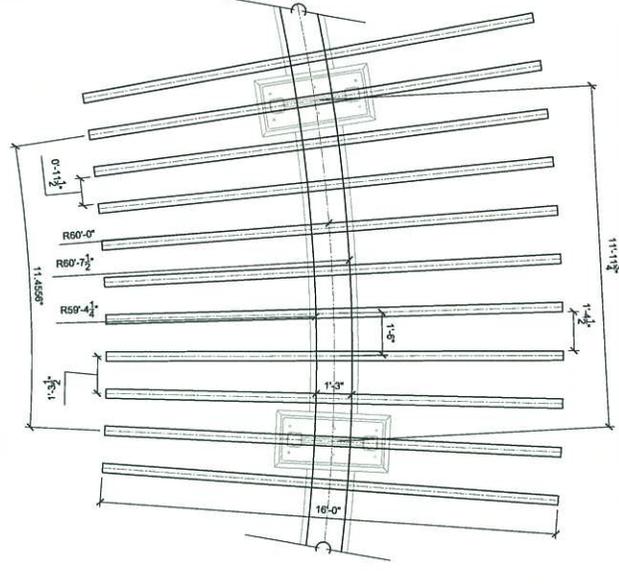
1 Typical Arbor Structure Detail
Scale: 1/2" = 1'-0"



5 Bord Du Lac Park Marina Arbor
Scale: 1/2" = 1'-0"



6 Louisiana Landing Arbor
Scale: 1/2" = 1'-0"



7 Memorial Gardens Arbor
Scale: 1/2" = 1'-0"

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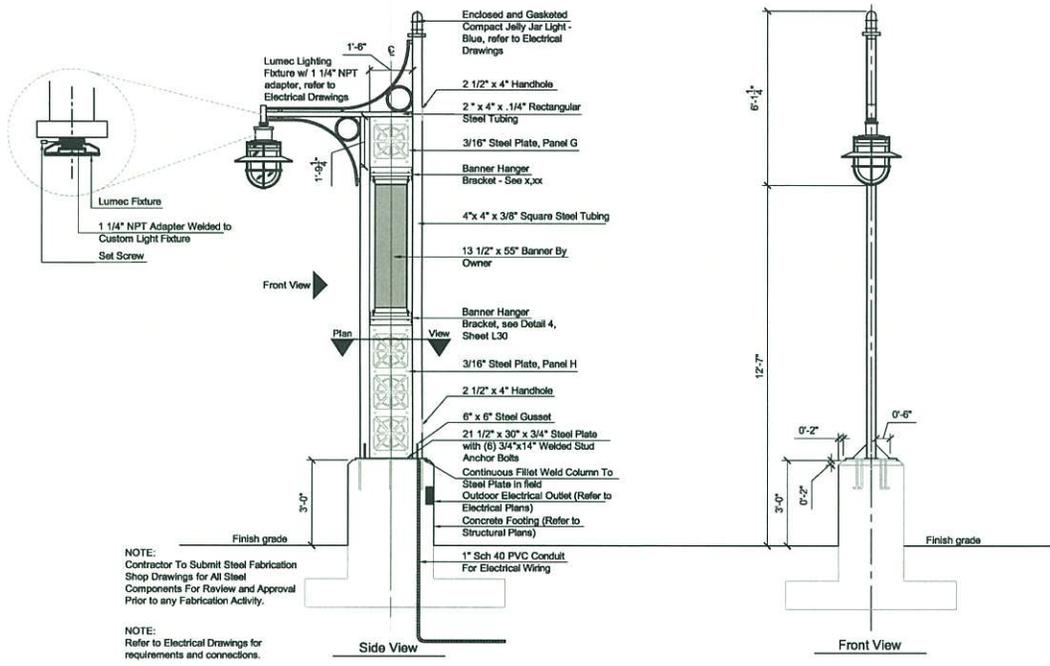
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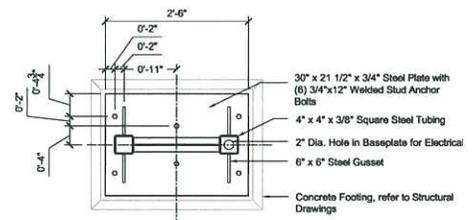
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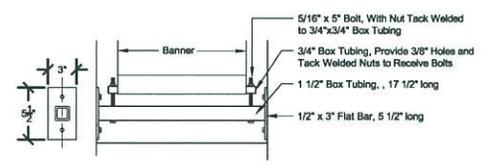
NOTE:
Contractor To Submit Steel Fabrication Shop Drawings for All Steel Components For Review and Approval Prior to any Fabrication Activity.

NOTE:
Refer to Electrical Drawings for requirements and connections.

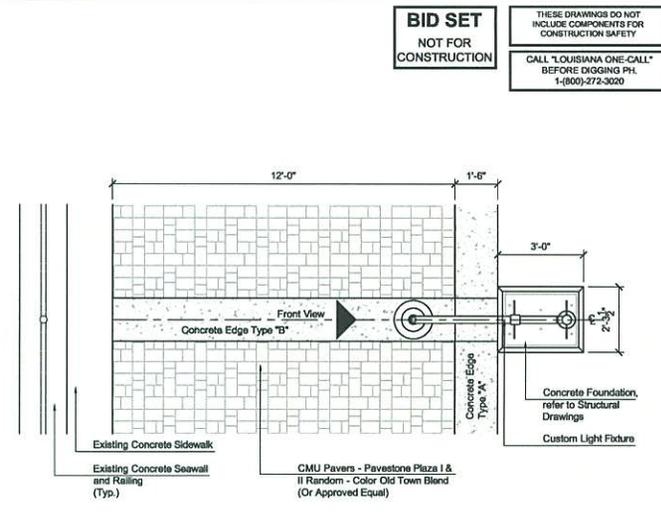
1 Custom Lighting Fixture
Scale: 1/2" = 1'-0"



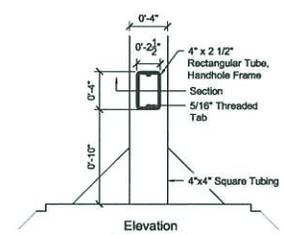
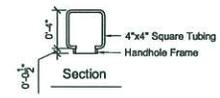
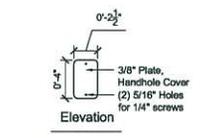
3 Light Pole Plan
Scale: 1'-1/2" = 1'-0"



4 Banner Hanger Detail
Scale: 1'-1/2" = 1'-0"



2 Custom Light Fixture - Plan View
Scale: 1/2" = 1'-0"



5 Handhole Cover and Frame
Scale: 1/2" = 1'-0"

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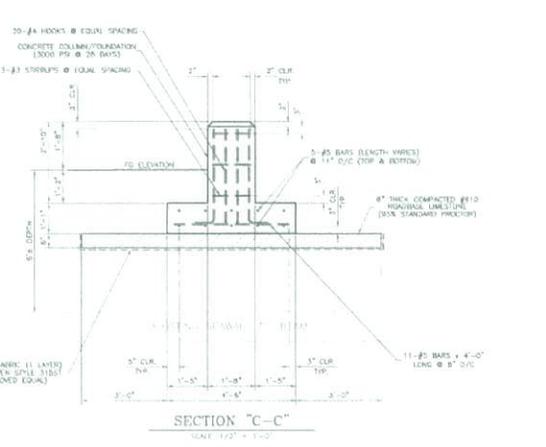
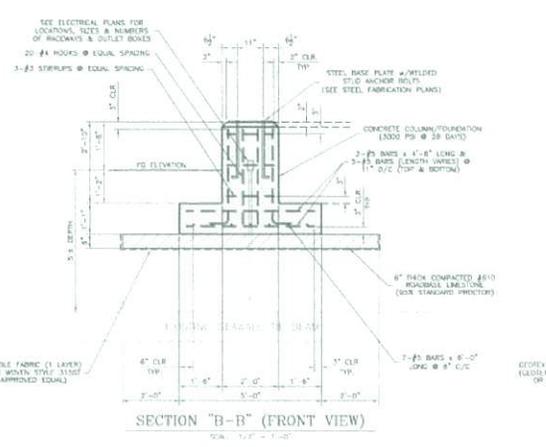
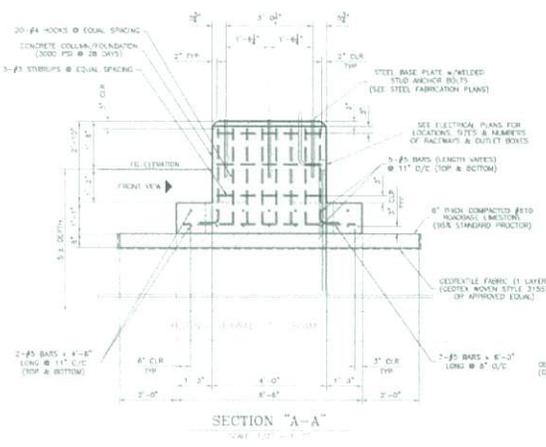


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 483 Lakeshore - Lake Charles, LA 70601
 Phone: (337) 451-2561 Fax: (337) 653-5242
 D. W. Jessen, Jr., P.E., P.L.S.
 C.E. Lic. Reg. No. 2148 F.E. Lic. Reg. No. 848

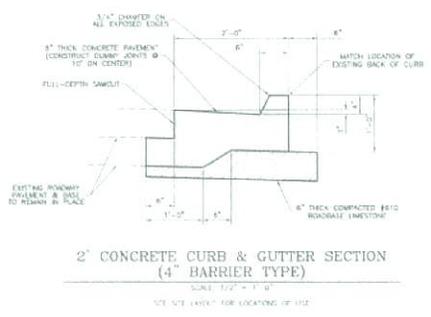
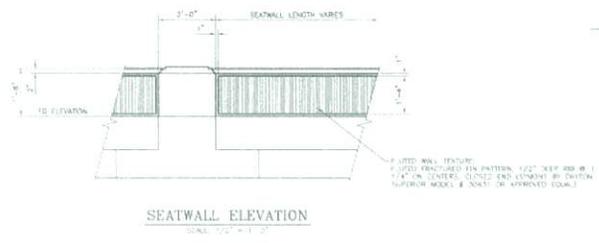


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ARBOR SEATWALL & FOUNDATION
 TYPICAL DETAILS

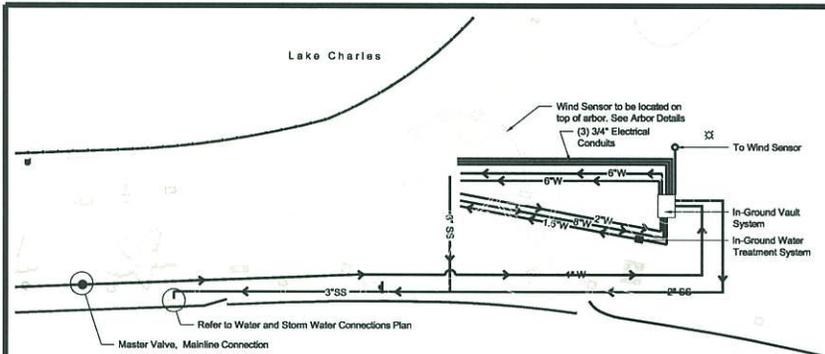


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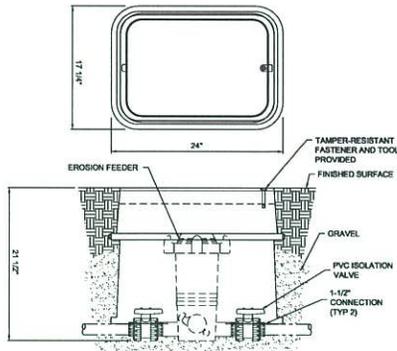
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Concrete Foundation Details

See Site Layout for
 orientation of new
 structures to North

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S4

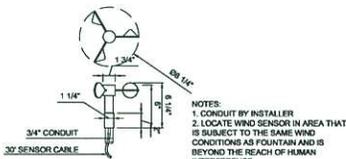


1 Fountain Piping Plan
Scale: 1" = 20'



NOTE: PIPE BY INSTALLER

2 Chlorine-Bromine Treatment Assembly
Scale: N.T.S.



3 Wind Speed Sensor
Scale: N.T.S.

Receiving the Vault
Upon arrival of vault, check both interior and exterior for shipping damage. Report any damage found to the freight carrier and equipment provider immediately. If vault is free of damage, proceed with installation. If equipment vault is not to be installed immediately, store in a covered area safe from flooding if a sand filter is used, filtration sand must be provided and installed by others.

Excavation
Excavate as required and pour a flat ballast slab of size indicated on the drawing. Ballast slab should be reinforced with grid using #4 re-bar on 12" centers. Stainless steel anchor hooks should be tied to the reinforcing grid and located as detailed.

Installing the Vault in the Excavation
Rig vault with straps, taking care not to damage housing or piping connections. Do not use chains or cables to rig vault. Lower vault onto the ballast slab and secure using the stainless steel hardware provided. Loop the stainless steel anchor cables around slab anchor hooks and through the tie-downs left on vault. Secure cables with the connection hardware provided. Remove slack from the cables then tighten the cable clamps to the torque rating indicated on the thimble tag provided. Do not over-tighten the cables.

Safeguarding the Vault
If the vault is equipped with forced air ventilation, sump pumps, or gravity drains, these must be connected and made operational immediately. Do not allow excavation to fill with water prior to backfilling as the vault may flood through an opening or attempt to float and damage fittings or anchoring hardware.

Connecting the Vault
Connect all piping and conduit, as required, to connections provided on vault exterior. Do not externally load the vault connections or allow the connections to support the weight of the connected piping. If the piping is not supported properly, soil settling can result in excessive loading on the piping. This can result in broken piping and misaligned connections in the vault.

Wiring the Vault
Conduit wiring must be sealed to prevent water from entering the vault through the conduit.

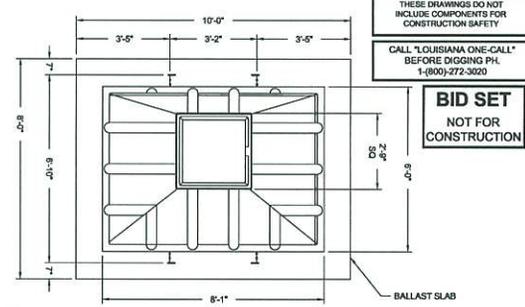
Pressure Testing the Connections
Pressure test all piping connected to vault to insure there are no leaks. All equipment and piping within vault has been factory pressure tested. Do not exceed 30 PSI in pressure testing any piping connected to vault.

Ventilation Connections
External vent piping is required. Route it with as few bends as possible to a location safe from flooding. Length of vent piping should be as short as possible and should not exceed 20'-0". If a longer piping length is necessary, contact the equipment provider. Vent caps, to be installed on ends of vent piping immediately to prevent rain or debris from entering the vent piping.

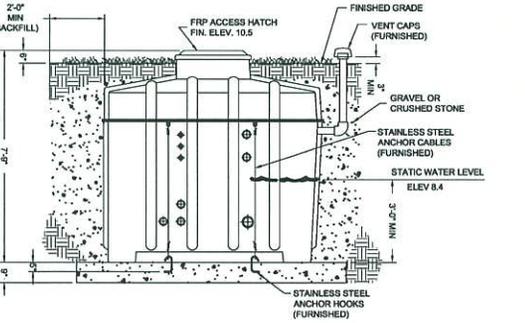
Backfilling
When backfilling, protect open ends of all piping to prevent backfill material from entering the piping system. Backfill material should be a rounded gravel or crushed stone (1/4" to 3/4" Max. and less than 5% fines). There should be at least 2'-0" of backfill material on all sides of vault between the vault and the surrounding earth. The top of the access hatch should be above finished grade (as indicated on the drawing) and located in an area that is safe from flooding. **NOT USE SAND OR DIRT FOR BACKFILL** as the surrounding earth has poor drainage provide some means for water to drain away from the vault.

FAILURE TO FOLLOW ALL THE ABOVE PROCEDURES COULD RESULT IN SERIOUS DAMAGE TO THE EQUIPMENT AND WILL VOID THE WARRANTY ON THIS PRODUCT.

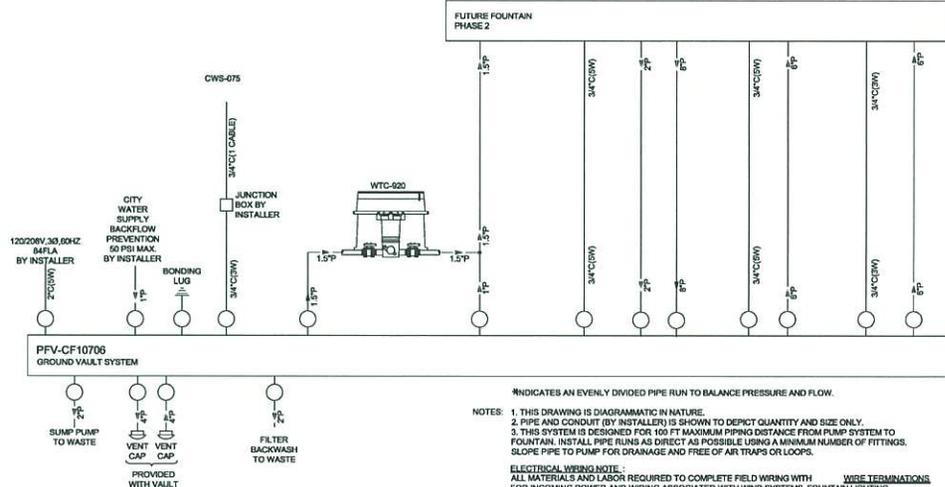
For any questions concerning these installation instructions or the installation of the vault system please contact the equipment provider.



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1. INTERCONNECTING PIPE, CONDUIT AND WIRE BY INSTALLER



*INDICATES AN EVENLY DIVIDED PIPE RUN TO BALANCE PRESSURE AND FLOW.

NOTES: 1. THIS DRAWING IS DIAGRAMMATIC IN NATURE.
2. PIPE AND CONDUIT (BY INSTALLER) IS SHOWN TO DEPICT QUANTITY AND SIZE ONLY.
3. THIS SYSTEM IS DESIGNED FOR 100 FT MAXIMUM PIPING DISTANCE FROM PUMP SYSTEM TO FOUNTAIN. INSTALL PIPE RUNS AS DIRECT AS POSSIBLE USING A MINIMUM NUMBER OF FITTINGS. SLOPE PIPE TO PUMP FOR DRAINAGE AND FREE OF AIR TRAPS OR LOOPS.

ELECTRICAL WIRING NOTE:
ALL MATERIALS AND LABOR REQUIRED TO COMPLETE FIELD WIRING WITH WIRE TERMINATIONS FOR INCOMING POWER AND WIRING ASSOCIATED WITH WIND SYSTEMS, FOUNTAIN LIGHTING, WATER LEVEL CONTROL OR RESERVOIR ELECTRICAL COMPONENTS ARE TO BE ACCOMPLISHED BY INSTALLING CONTRACTOR AND MUST BE COMPLETED AND TESTED PRIOR TO A SCHEDULED ON-SITE STARTUP BY A FACTORY TECHNICIAN.
SIZE WIRE FEEDING LIGHTS FOR MAXIMUM 10% VOLTAGE DROP.

4 In-Ground Vault/Fountain Mechanics Diagram
Scale: N.T.S.



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Lake Charles, Louisiana 70601
Phone: 225-442-2222 • Fax: 225-442-2249

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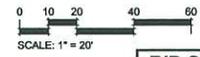
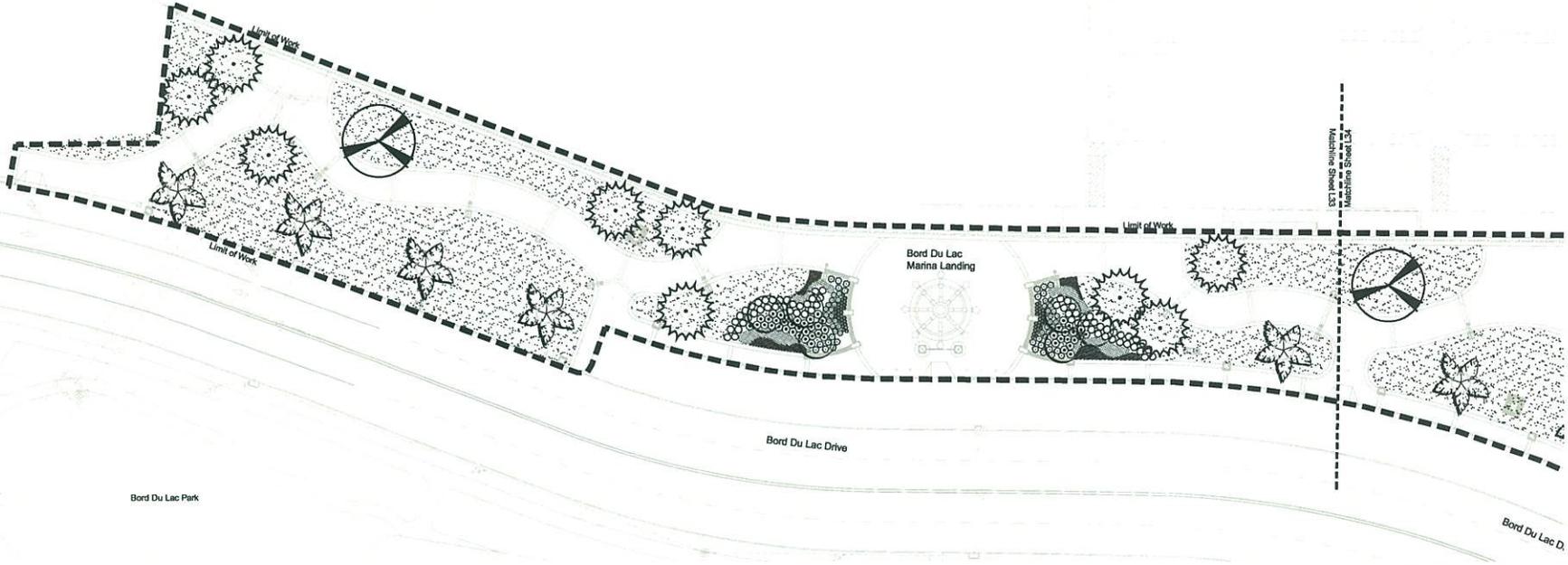
REVISIONS:

Construction Documents For:
Lakefront Promenade
Lake Charles, Louisiana
Site Landscape Plan Area A



DRAWN BY: W.J.B.
DATE: 2/5/09
SCALE: AS SHOWN
JOB #: P.08.P1.D
PHASE: CD

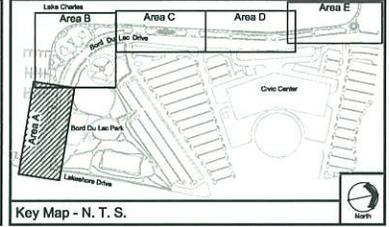
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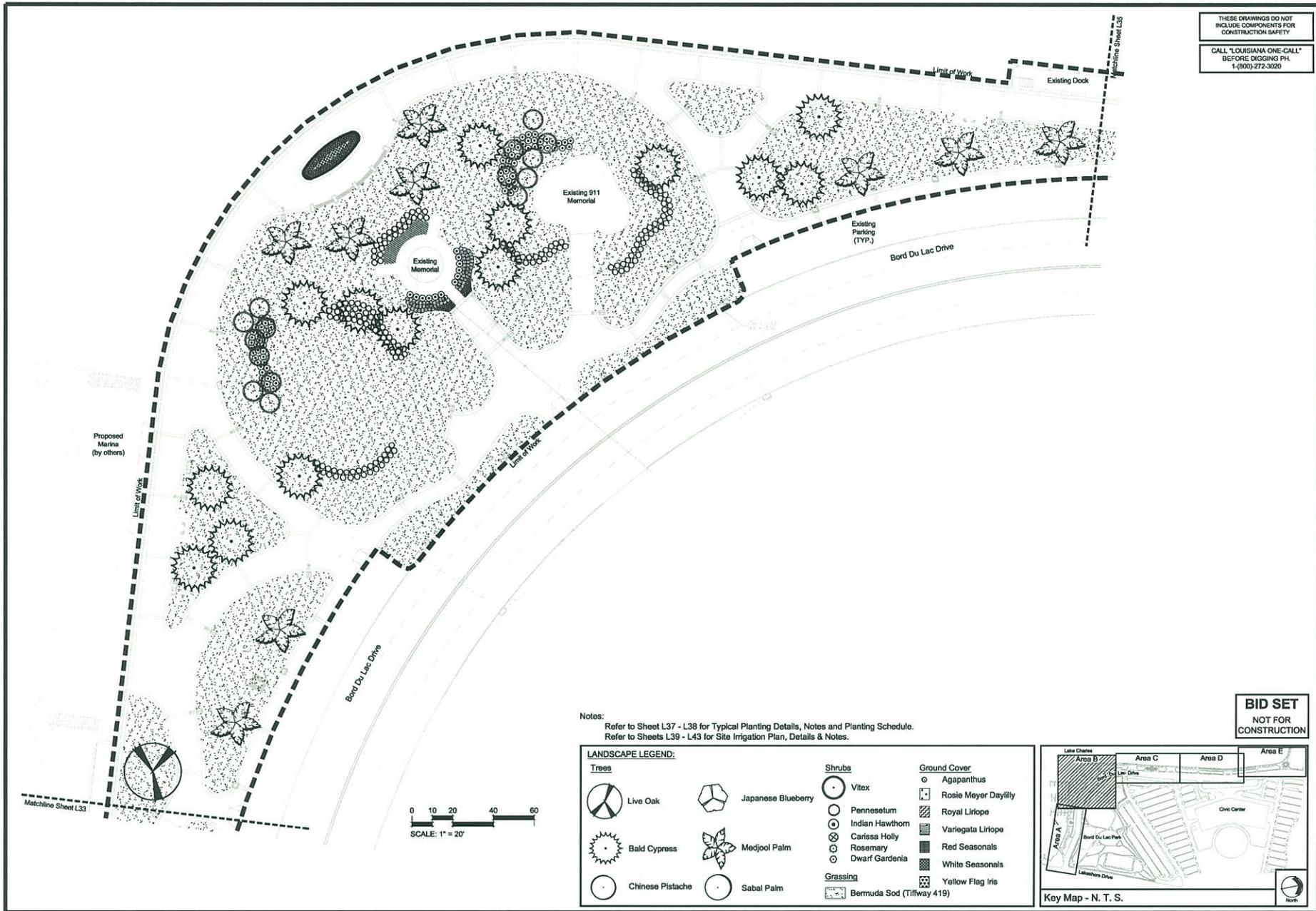
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Notes:
Refer to Sheet L37 - L38 for Typical Planting Details, Notes and Planting Schedule.
Refer to Sheets L39 - L43 for Site Irrigation Plan, Details & Notes.

LANDSCAPE LEGEND:		Ground Cover	
Trees	Shrubs	○ Agapanthus	▨ Royal Liriope
Live Oak	Japanese Blueberry	▨ Variegata Liriope	▨ Red Seasonals
Bald Cypress	Medjool Palm	▨ White Seasonals	▨ Yellow Flag Iris
Chinese Pistache	Sabal Palm	▨ Bermuda Sod (Tifway 419)	



Key Map - N. T. S.



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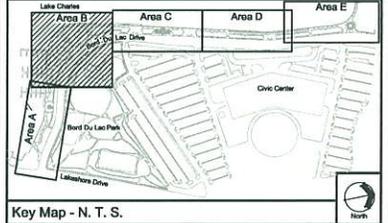
Construction Documents For:
Lakefront Promenade
Lake Charles, Louisiana
Site Landscape Plan Area B

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Notes:
Refer to Sheet L37 - L38 for Typical Planting Details, Notes and Planting Schedule.
Refer to Sheets L39 - L43 for Site Irrigation Plan, Details & Notes.

LANDSCAPE LEGEND:

Trees	Shrubs	Ground Cover
Live Oak	Vitis	Agapanthus
Japanese Blueberry	Pennisetum	Rosie Meyer Daylily
Bald Cypress	Indian Hawthorn	Royal Liriope
Medjool Palm	Carissa Holly	Variegata Liriope
Sabal Palm	Rosemary	Red Seasonals
Chinese Pistache	Dwarf Gardenia	White Seasonals
	Bermuda Sod (Tiffway 419)	Yellow Flag Iris



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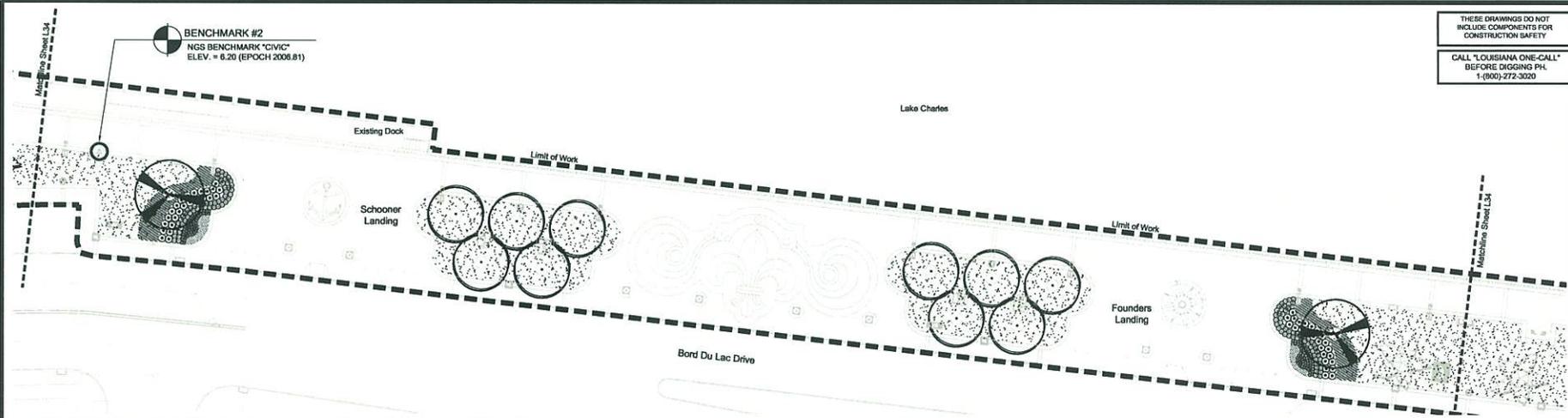
Construction Documents For:
Lakefront Promenade
Lake Charles, Louisiana
Site Landscape Plan Area C & D

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CONSTRUCTION

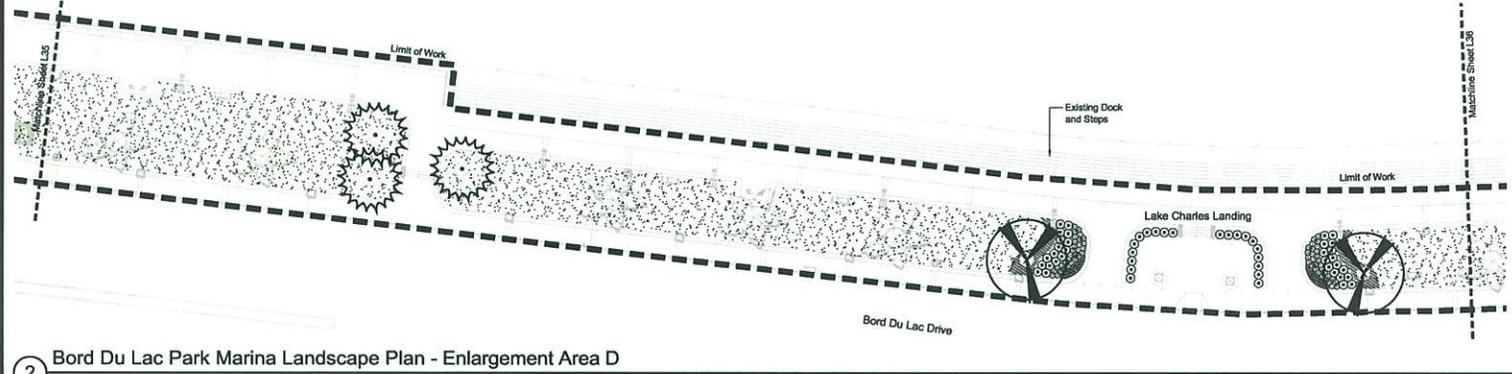


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JOB #: P.08.P1.D
PHASE: CD

L35



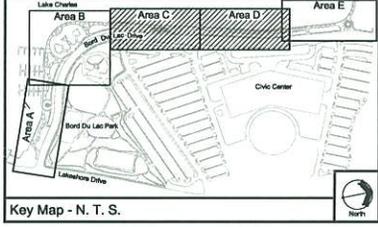
1 Bord Du Lac Park Marina Landscape Plan - Enlargement Area C
Scale: 1" = 20'



2 Bord Du Lac Park Marina Landscape Plan - Enlargement Area D
Scale: 1" = 20'

Notes:
Refer to Sheet L37 - L38 for Typical Planting Details, Notes and Planting Schedule.
Refer to Sheets L39 - L43 for Site Irrigation Plan, Details & Notes.

LANDSCAPE LEGEND:		Ground Cover	
Trees	Shrubs	○ Agapanthus	■ Rosie Meyer Daylily
○ Live Oak	○ Japanese Blueberry	■ Royal Liriope	■ Variegata Liriope
○ Bald Cypress	○ Medjool Palm	■ Red Seasonals	■ White Seasonals
○ Chinese Pistache	○ Sabal Palm	■ Yellow Flag Iris	
		■ Bermuda Sod (Tiffway 419)	



SCALE: 1" = 20'

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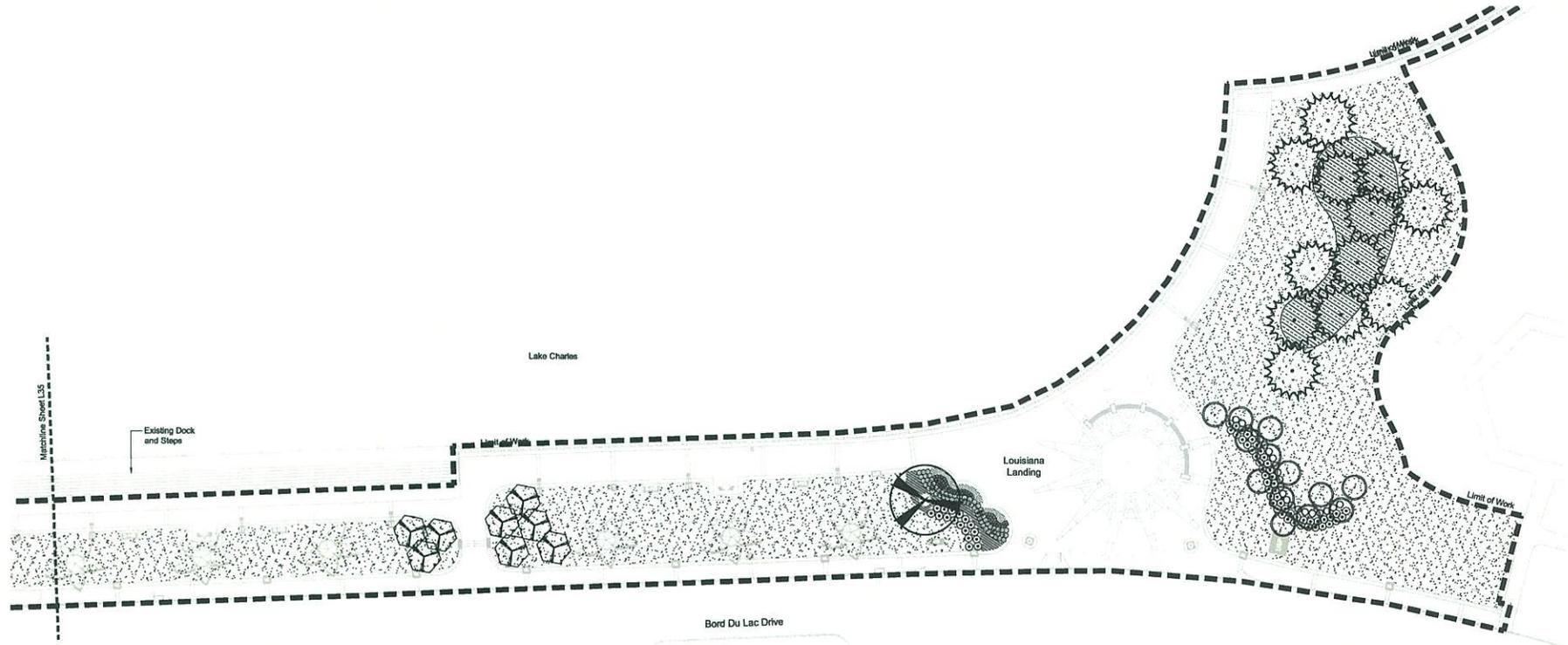
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Landscape Architecture
301 Lakeside Blvd. Suite 201 • Metairie, LA 70001
Phone: 504-885-2255 • Fax: 504-885-2249

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REVISIONS:

Construction Documents For:
Lakefront Promenade
Lake Charles, Louisiana
Site Landscape Plan Area E

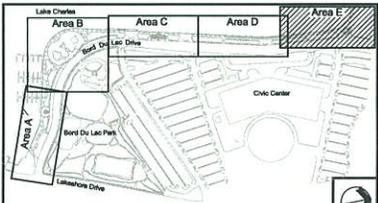
BID SET
NOT FOR
CONSTRUCTION



Notes:
Refer to Sheet L37 - L38 for Typical Planting Details, Notes and Planting Schedule.
Refer to Sheets L39 - L43 for Site Irrigation Plan, Details & Notes.

LANDSCAPE LEGEND:

Trees		Shrubs		Ground Cover	
	Live Oak		Vitex		Rosie Meyer Daylily
	Japanese Blueberry		Pennesetum		Royal Liriope
	Bald Cypress		Indian Hawthorn		Variegata Liriope
	Medjool Palm		Carissa Holly		Red Seasonals
	Chinese Pistache		Rosemary		White Seasonals
	Sabal Palm		Dwarf Gardenia		Yellow Flag Iris
		Grassing			Bermuda Sod (Tifway 419)



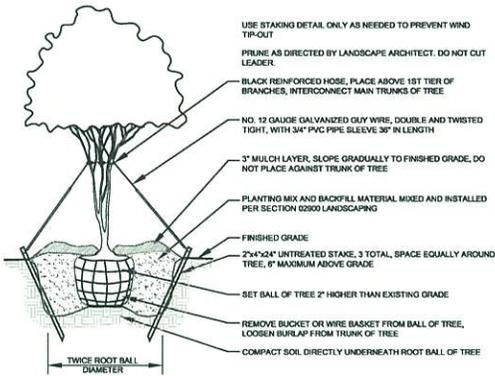
Key Map - N. T. S.

0 10 20 40 60
SCALE: 1" = 20'

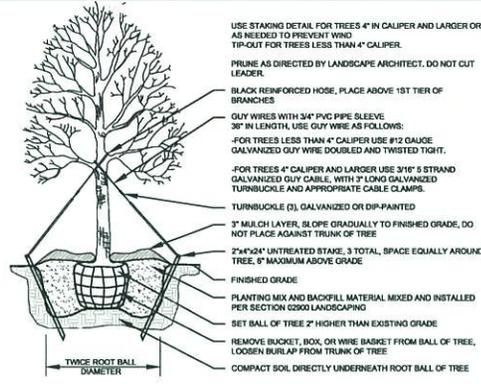


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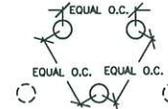
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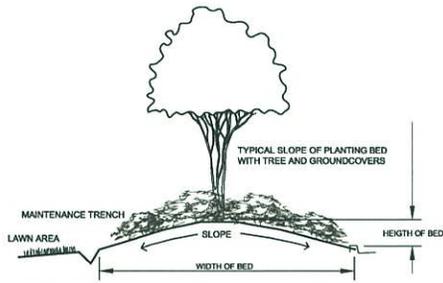
1 Multi - Trunk Tree Planting Detail
Scale: N.T.S.



2 Single Trunk Tree Planting Detail
Scale: N.T.S.

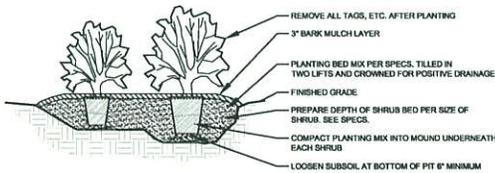


3 Triangular - Spacing Planting Detail
Scale: N.T.S.

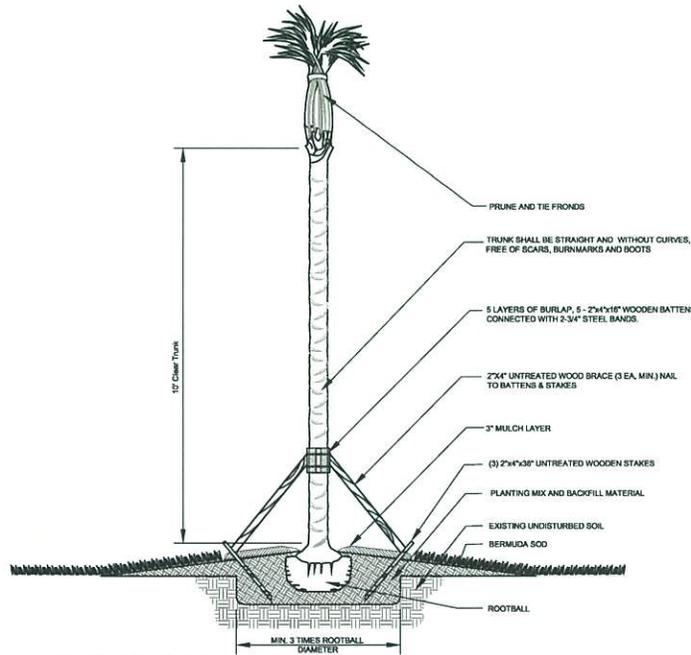


NOTE: CREATE HIGH POINT WITHIN PLANTING BED FOR POSITIVE DRAINAGE TO MAINTENANCE EDGES OR CURB. THE HEIGHT TO WIDTH RATIO SHALL BE 1:5 ACROSS THE SHORT AXIS OF THE LANDSCAPE BED (EXAMPLE: BED IS 8 FEET WIDE THEN BED HEIGHT SHALL BE 1 FOOT 8 INCHES ABOVE NEAREST CURB OR HARDSCAPE SURFACE).

4 Slope Of Bed Detail
Scale: N.T.S.



5 Shrub Planting Detail
Scale: N.T.S.



6 Palm Planting Detail
Scale: N.T.S.

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Lake Charles, Louisiana
Site Landscape Details



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Construction Documents For:
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 Lake Charles, Louisiana
Site Landscape Details



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L38

LAKEFRONT PROMENADE PLANT LIST

COMMON NAME	SCIENTIFIC NAME	SPECIFICATIONS	QUANTITY	UNIT
LIVE OAK	QUERCUS VIRGINIANA	8" CAL. B & B, 14'-16' HT., FULL FORM	07	EA
BALD CYPRESS	TAXODIUM DISTICHUM	2.5"-3" CAL., 30 GALLON, 8'-10' HT., FULL FORM	38	EA
CHINESE PISTACHE	PISTACIA CHINENSIS	3"-4" CAL. B & B, 10'-12' HT., FULL FORM	10	EA
MEDJOOL PALM	PHOENIX DACTYLIFERA 'MEDJOOL'	10' (C.T.) HT., B & B, 14'-16' HT., FULL FORM	14	EA
SABAL PALM	SABAL PALMETTO	10'-12' (SLICK) HT. (2)8', (2)10', (2)12' B & B, FULL FORM	06	EA
JAP. BLUEBERRY	ELAEOCARPUS DECIPiens	12'-14' HT., 30 GALLON, FULL FORM, SINGLE TRUNK	08	EA
VITEX	VITEX AGNUS-CASTUS	8'-10' HT., 30 GALLON, FULL FORM, 3-5 CANE, MULTI-TRUNK	28	EA
INDIAN HAWTHORN	RAPHIOLEPIS INDICA	5 GALLON, 20" MIN. HT., 24" MIN SPREAD, FULL PLANT	±322	EA
CARRISA HOLLY	ILEX CORNUTA 'CARRISA'	3 GALLON, FULL PLANT	±7	EA
HAMELIN DWARF FOUNTAIN GRASS	PENNISETUM ALOPECUROIDES 'HAMELIN'	1 GALLON, FULL PLANT	±272	EA
YELLOW FLAG IRIS	IRIS PSEUDACORUS	1 GALLON, FULL PLANT	±2100	SF
ROSEMARY 'HUNTINGTON CARPET'	ROSEMARY OFFICINALIS	1 GALLON, FULL PLANT	±27	EA
AGAPANTHUS 'GETTIE'	AGAPANTHUS AFRICANUS	1 GALLON, FULL PLANT	±215	EA
AGAPANTHUS 'ELANE'	AGAPANTHUS AFRICANUS	1 GALLON, FULL PLANT	±215	EA
LIRIOPE MUSCARI 'ROYAL'	LIRIOPE MUSCARI	1 GALLON, FULL PLANT	±1174	SF
LIRIOPE MUSCARI 'VARIEGATA'	LIRIOPE MUSCARI	1 GALLON, FULL PLANT	±212	EA
DAYLILY 'ROSIE MEYER'	HEMEROCALLIS 'ROSIE MEYER'	PER SPECIFICATIONS	±447	SF
SEASONAL	WHITE COLOR	PER SPECIFICATIONS	±69	SF
SEASONAL	RED COLOR	PER SPECIFICATIONS	±83	SF
BERMUDA GRASS SOD	CYNODON DACTYLON 'TIFFWAY 419'	PER SPECIFICATIONS	±13200	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	000	SY
SOIL AMENDMENTS		PER SPECIFICATIONS	00	CY

LANDSCAPE LEGEND:

Trees	Shrubs	Ground Cover
Live Oak	Vitis	Agapanthus
Bald Cypress	Pennisetum	Rosie Meyer Daylily
Chinese Pistache	Indian Hawthorn	Royal Liriope
Sabal Palm	Carissa Holly	Variegata Liriope
	Rosemary	Red Seasonals
	Dwarf Gardenia	White Seasonals
	Grassing	Yellow Flag Iris
	Bermuda Sod (Tiffway 419)	

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.

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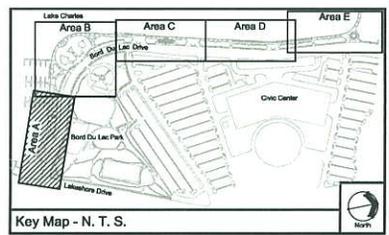
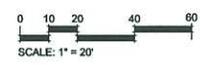
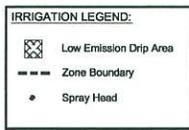
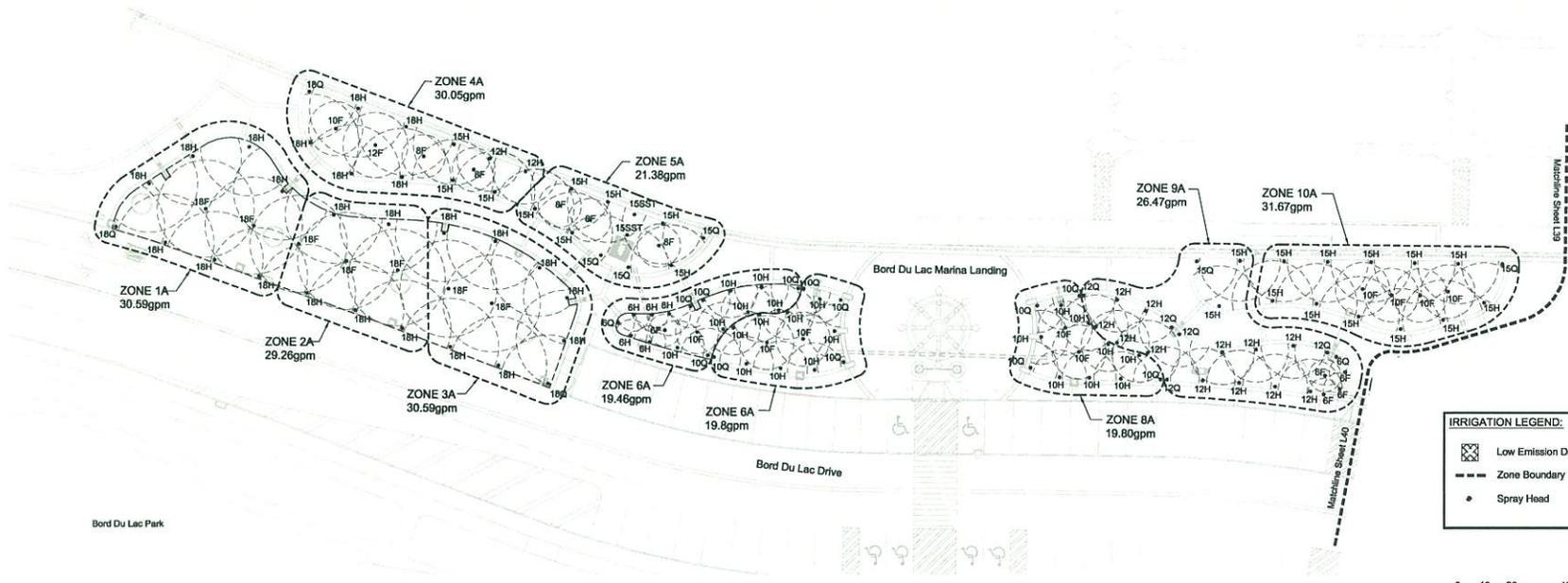
REVISIONS:

Construction Documents For:
Lakefront Promenade
Lake Charles, Louisiana
Site Irrigation Plan Area A



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L39





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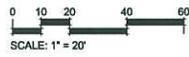
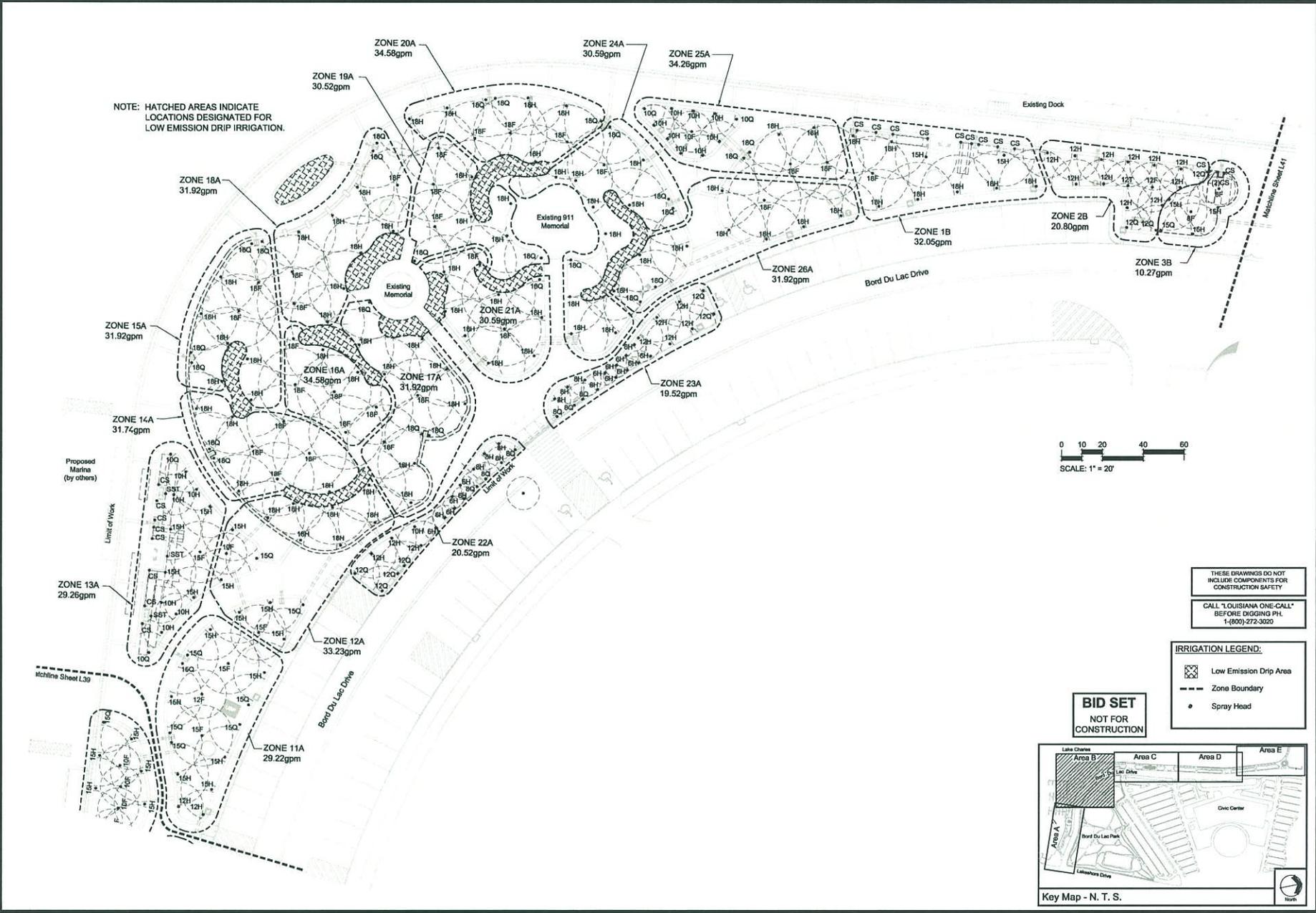
REVISIONS:

Construction Documents For:
Lakefront Promenade
 Lake Charles, Louisiana
Site Irrigation Plan Area B



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L40

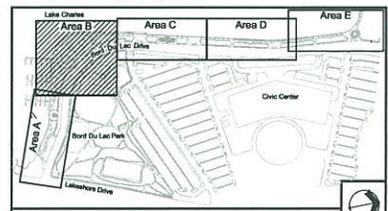


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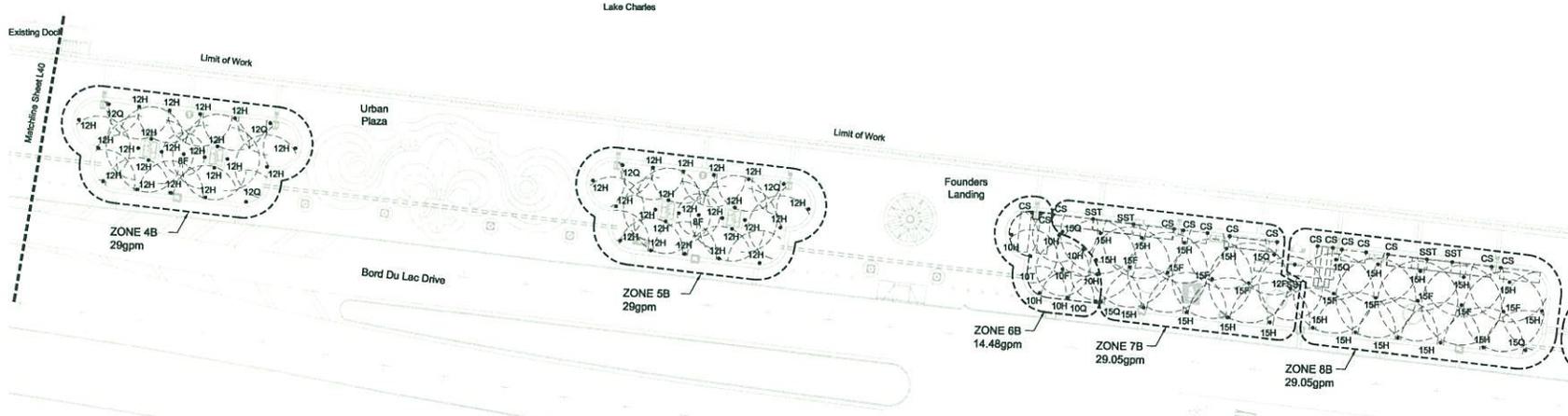
IRRIGATION LEGEND:

	Low Emission Drip Area
	Zone Boundary
	Spray Head

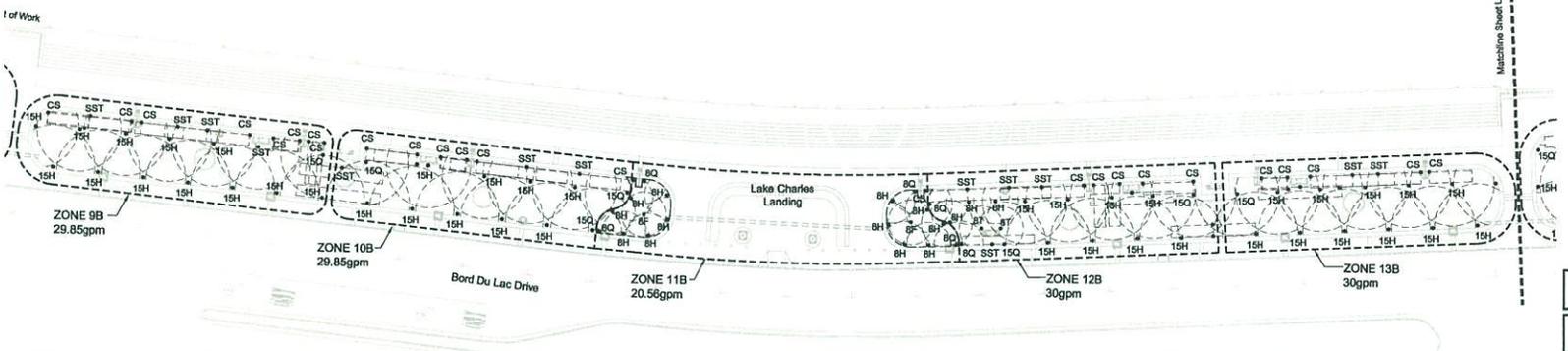
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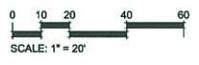
Key Map - N. T. S.



4 Irrigation Plan - Enlargement Area C
Scale: 1" = 20'

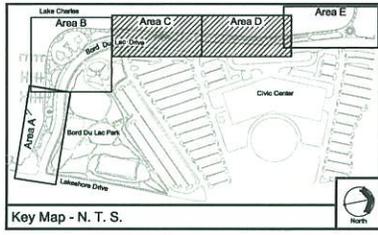


5 Enlargement Area D
Scale: 1" = 20'



IRRIGATION LEGEND:

	Low Emission Drip Area
	Zone Boundary
	Spray Head



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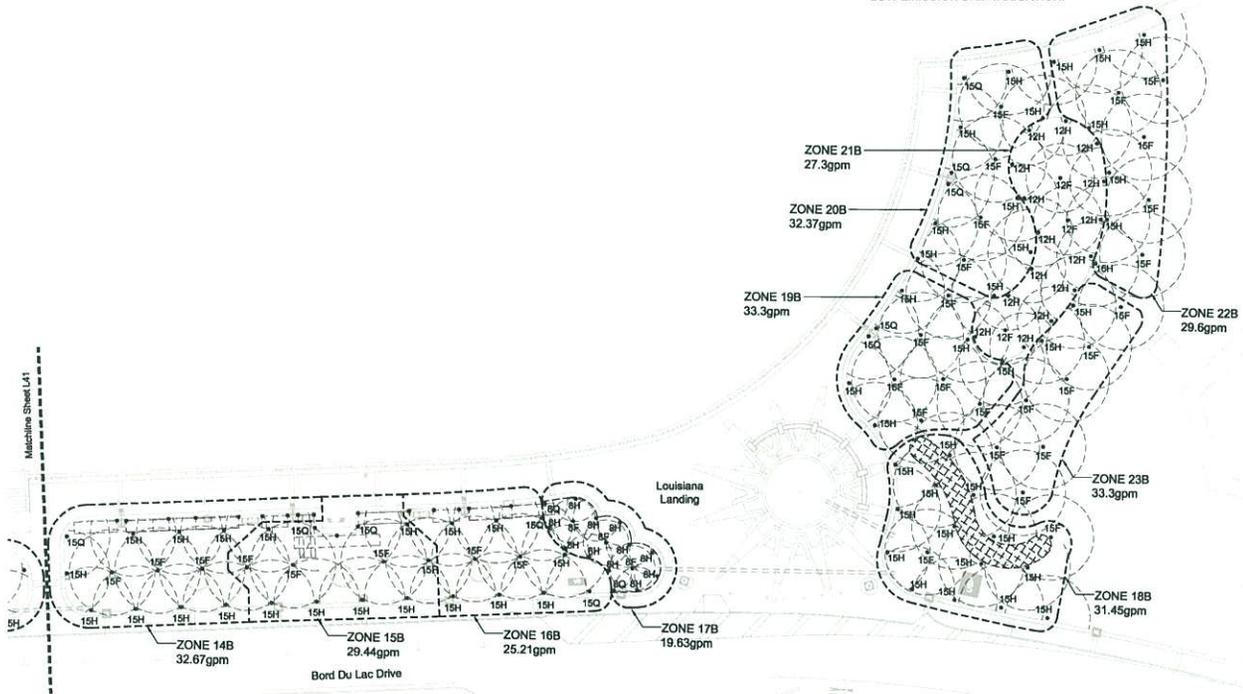
REVISIONS:

Construction Documents For:
Lakefront Promenade
Lake Charles, Louisiana
Site Irrigation Plan Area C & D



DRAWN BY: W.J.B.
DATE: 2/5/09
SCALE: AS SHOWN
JOB #:
PHASE: CD

NOTE: HATCHED AREAS INDICATE LOCATIONS DESIGNATED FOR LOW EMISSION DRIP IRRIGATION.



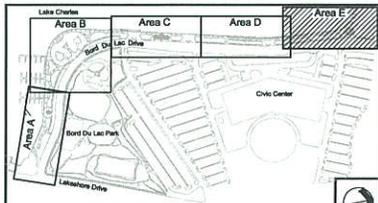
IRRIGATION LEGEND:

- Low Emission Drip Area
- Zone Boundary
- Spray Head

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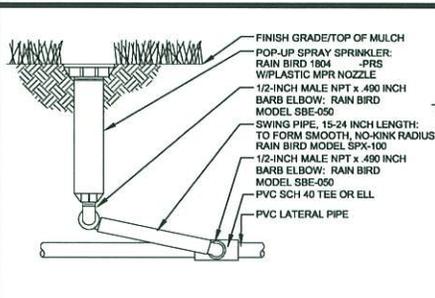
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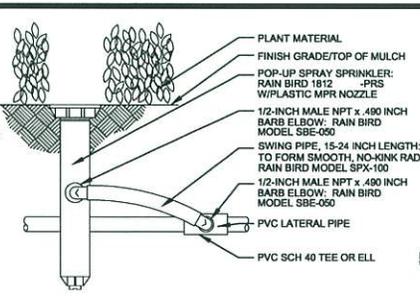
Construction Documents For:
Lakefront Promenade
Lake Charles, Louisiana
Site Irrigation Plan Area E



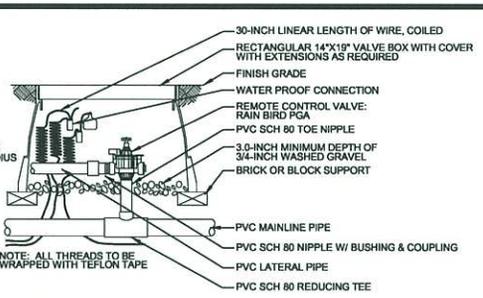
DRAWN BY: W.J.B.
DATE: 2/25/22
SCALE: AS SHOWN
JOB #:
PHASE: CD



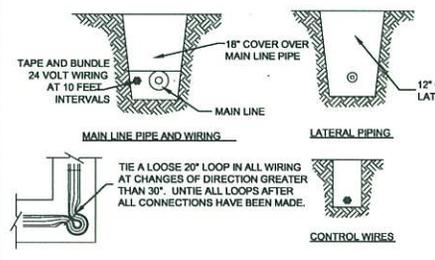
1 4" POP-UP SPRAY INSTALLATION
Scale: N.T.S



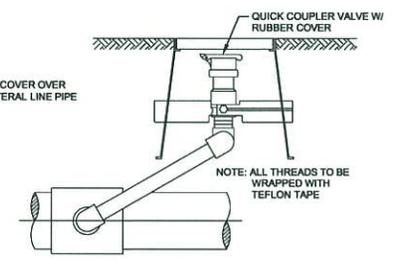
2 12" POP-UP SPRAY INSTALLATION
Scale: N.T.S



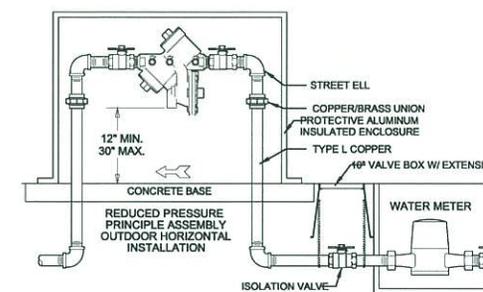
3 ELECTRIC CONTROL VALVE INSTALLATION
Scale: N.T.S



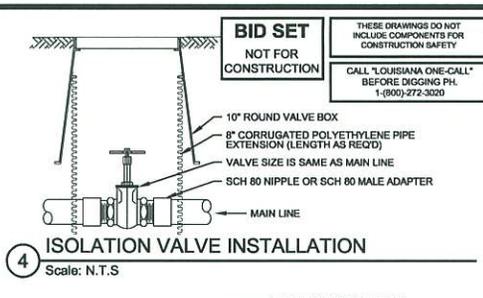
5 TYPICAL TRENCH DETAIL
Scale: N.T.S



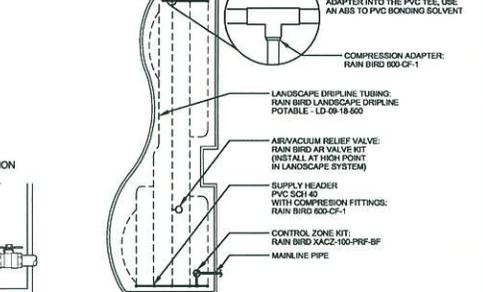
6 QUICK COUPLING VALVE INSTALLATION
Scale: N.T.S



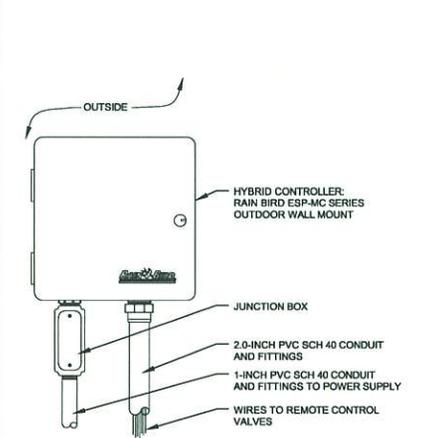
7 BACKFLOW PREVENTER INSTALLATION
Scale: N.T.S



4 ISOLATION VALVE INSTALLATION
Scale: N.T.S



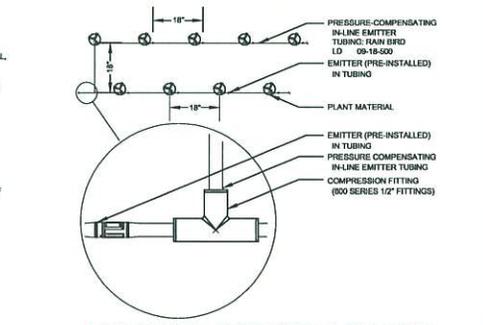
8 TYPICAL LOW EMISSION DRIFT LAYOUT
Scale: N.T.S



9 WALL MOUNT CONTROLLER INSTALLATION
Scale: N.T.S

GENERAL IRRIGATION NOTES

- 1) PRIOR TO EXCAVATION, CONTRACTOR SHALL VERIFY UTILITY LOCATIONS WITH TELEPHONE, GAS, CABLE TV, AND ELECTRIC COMPANIES. OWNERS 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) CONTROLLER SHALL BE INSTALLED AT THE OWNER APPROVED LOCATION, SEE ELECTRICAL SHEETS. THE IRRIGATION CONTROLLER SHALL BE INSTALLED ACCORDING TO MANUFACTURERS RECOMMENDATIONS. CONTROLLER SHALL BE INSTALLED ON A MINIMUM 6" REINFORCED CONCRETE SLAB OR AS RECOMMENDED BY THE MANUFACTURER. CONTRACTOR IS RESPONSIBLE FOR THE SUPPLY AND CONNECTION OF 120 VOLT POWER TO THE CONTROLLERS.
- 8) ONE (1) RAIN SENSOR SHALL BE INSTALLED AT THE OWNER APPROVED LOCATION. TO INSURE PROPER OPERATION AND PROTECTION OF THE SENSOR, SENSOR SHALL BE INSTALLED ACCORDING TO MANUFACTURERS RECOMMENDATIONS. CONTRACTOR SHALL RECEIVE OWNERS APPROVAL FOR ACCEPTABLE LOCATION PRIOR TO INSTALLATION OF THE SENSOR.
- 9) IRRIGATION 24 VOLT COMMON WIRE SHALL BE 14 GAUGE UF AND CONTROL WIRE SHALL BE 14 GAUGE UF.
- 10) 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.
- 11) WHEN INSTALLING THREADED PRODUCTS, CONTRACTOR SHALL USE MANUFACTURERS RECOMMENDED SEALING COMPOUNDS AND/OR TEFLON TAPE ACCORDING TO MANUFACTURERS RECOMMENDED PRACTICE FOR THE SPECIFIC APPLICATION.
- 12) CONTRACTOR SHALL INSTALL ALL VALVE AND COMMON WIRING BENEATH THE IRRIGATION MAIN AND/OR LATERALS.
- 13) 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 CLODS OF EARTH OR STONE. SHARP OBJECTS, ROCK, BROKEN CONCRETE OR PAVEMENT, AND LARGE BOULDERS SHALL NOT BE USED AS BACKFILL MATERIALS.
- 14) CONTRACTOR SHALL INSTALL 2" BRONZE, THREADED GATE VALVES (ISOLATION SHUT OFF VALVES) EVERY 75' ALONG THE MAIN LINE.
- 15) CONTRACTOR SHALL INSTALL QUICK COUPLING VALVES EVERY 500' ALONG THE MAIN LINE.
- 16) 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.
- 17) 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.



10 LANDSCAPE DRIFT LINE PLAN DETAIL
Scale: N.T.S



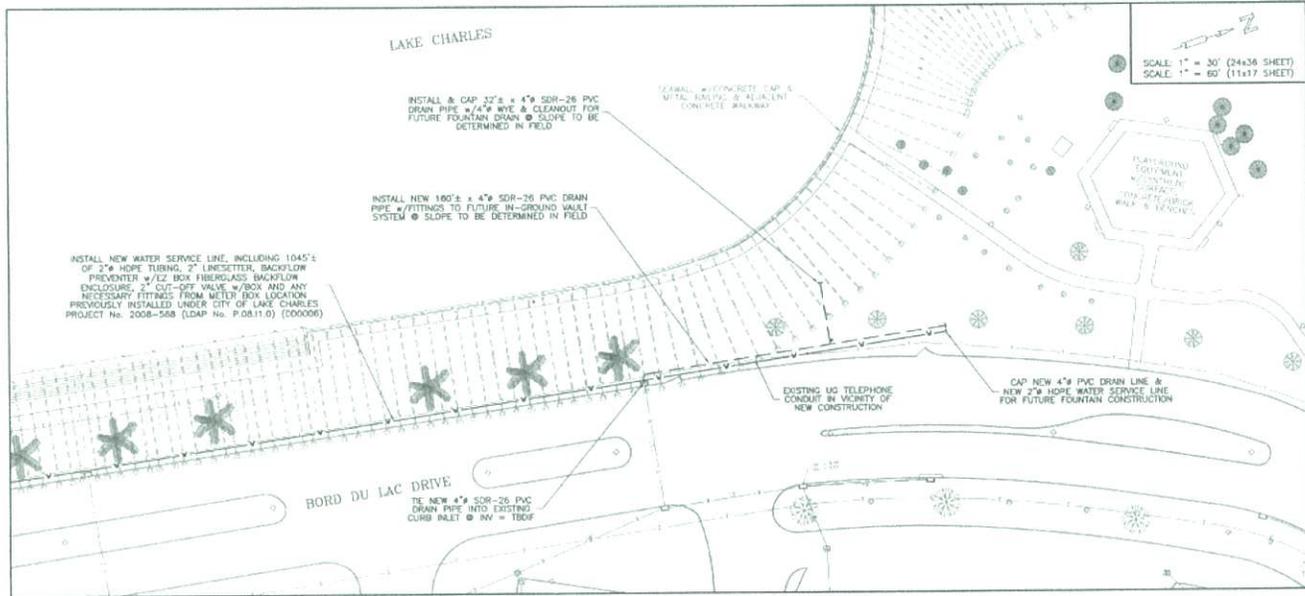
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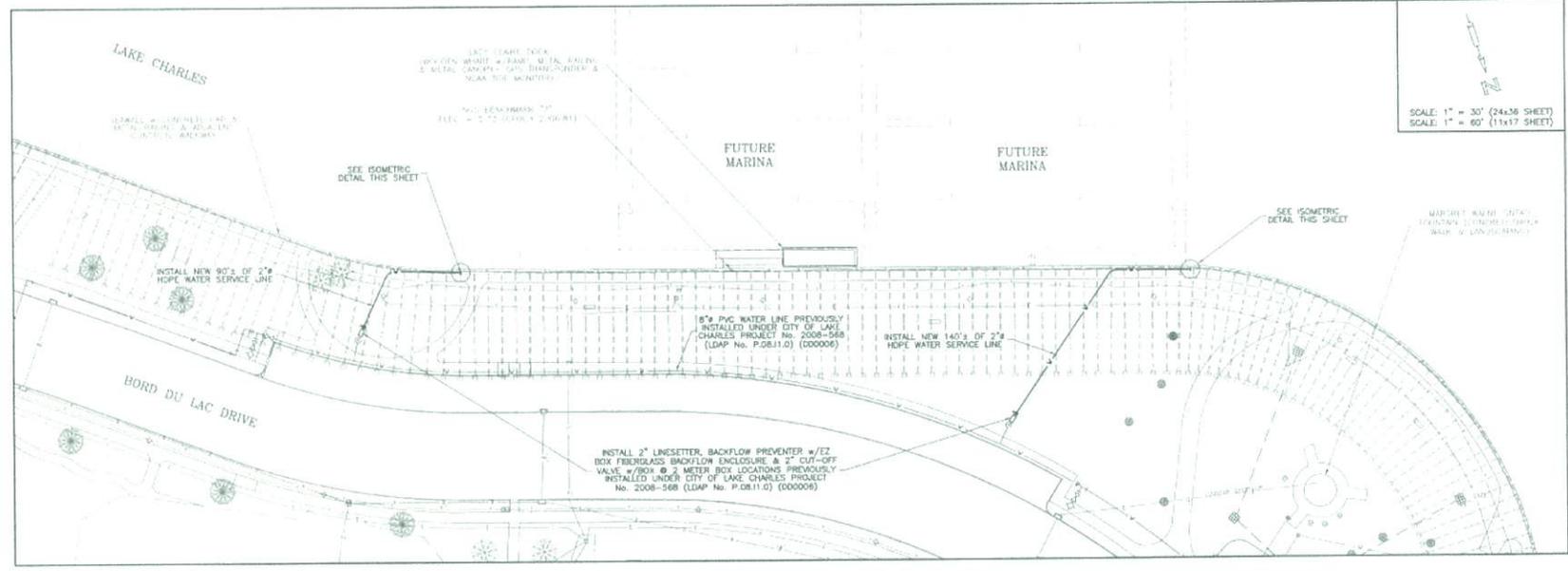
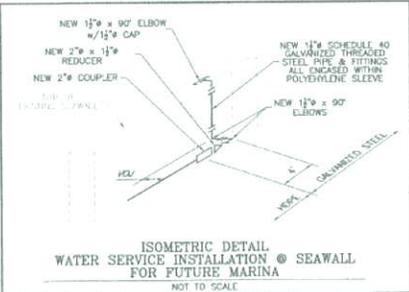
Construction Documents For:
Lakefront Promenade
Lake Charles, Louisiana
Site Irrigation Master Plan

DRAWN BY: W.J.B.
DATE: 2/20/09
SCALE: AS SHOWN
JOB #: P.08.P1.0
PHASE: CD



LOUISIANA LANDING

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C.E. Lic. Reg. No. 7-1407 P.L.S. Lic. Reg. No. 8545



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Construction Documents For
Lakefront Promenade
Lake Charles, Louisiana
Water & Storm Water Connections



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PHASE: CD
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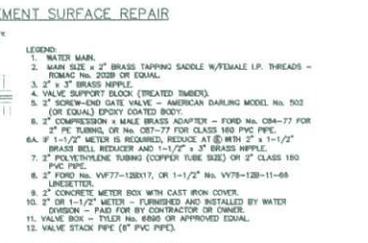
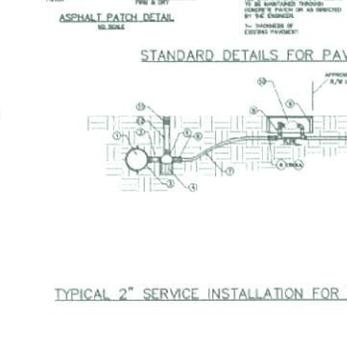
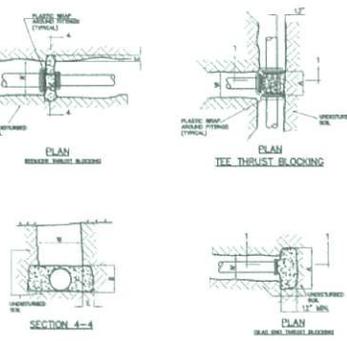
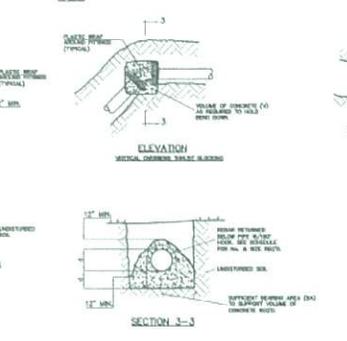
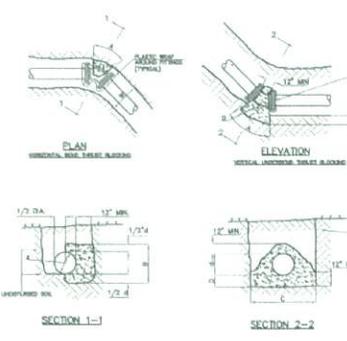
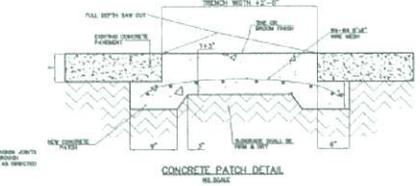
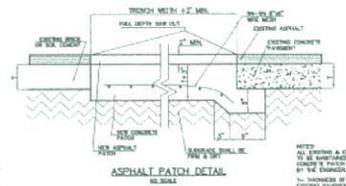
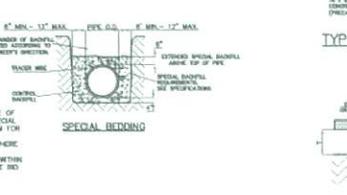
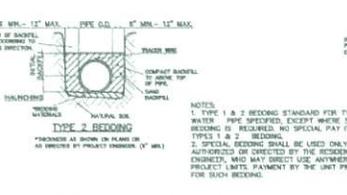
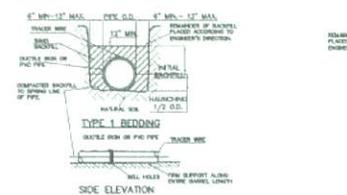
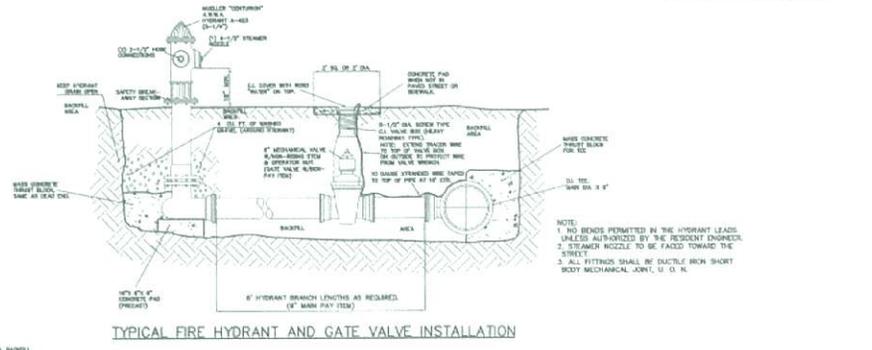
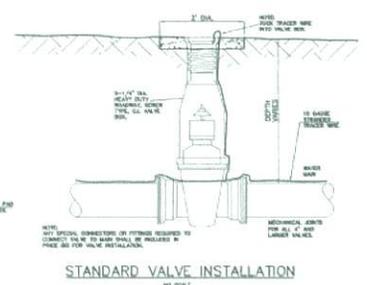
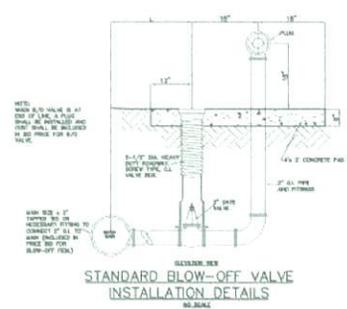


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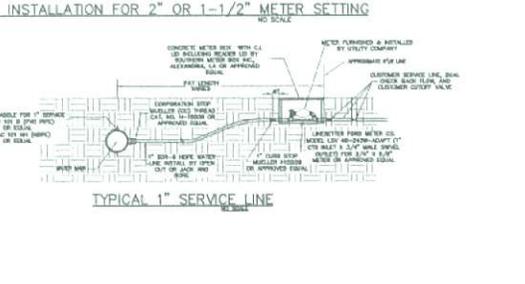
Construction Documents For
Lakefront Promenade
 Lake Charles, Louisiana
Water Main & Service Standard Details



SCHEDULE OF DIMENSIONS FOR MASS CONCRETE THRUST BLOCKS FOR 2,000 P.S.F. SOIL

TYPE OF FITTING	HORIZONTAL BONES								VERTICAL UNDERBONES								TEES AND REDUCERS			
	8"	10"	12"	14"	16"	18"	20"	24"	8"	10"	12"	14"	16"	18"	20"	24"	TEE	AND	REDUCERS	
1"	3-0	3-0	3-0	3-0	3-0	3-0	3-0	3-0	3-0	3-0	3-0	3-0	3-0	3-0	3-0	3-0	3-0	3-0	3-0	
2"	3-0	3-0	3-0	3-0	3-0	3-0	3-0	3-0	3-0	3-0	3-0	3-0	3-0	3-0	3-0	3-0	3-0	3-0	3-0	
3"	3-0	3-0	3-0	3-0	3-0	3-0	3-0	3-0	3-0	3-0	3-0	3-0	3-0	3-0	3-0	3-0	3-0	3-0	3-0	
4"	3-0	3-0	3-0	3-0	3-0	3-0	3-0	3-0	3-0	3-0	3-0	3-0	3-0	3-0	3-0	3-0	3-0	3-0	3-0	
6"	3-0	3-0	3-0	3-0	3-0	3-0	3-0	3-0	3-0	3-0	3-0	3-0	3-0	3-0	3-0	3-0	3-0	3-0	3-0	
8"	3-0	3-0	3-0	3-0	3-0	3-0	3-0	3-0	3-0	3-0	3-0	3-0	3-0	3-0	3-0	3-0	3-0	3-0	3-0	
10"	3-0	3-0	3-0	3-0	3-0	3-0	3-0	3-0	3-0	3-0	3-0	3-0	3-0	3-0	3-0	3-0	3-0	3-0	3-0	
12"	3-0	3-0	3-0	3-0	3-0	3-0	3-0	3-0	3-0	3-0	3-0	3-0	3-0	3-0	3-0	3-0	3-0	3-0	3-0	
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16"	3-0	3-0	3-0	3-0	3-0	3-0	3-0	3-0	3-0	3-0	3-0	3-0	3-0	3-0	3-0	3-0	3-0	3-0	3-0	
18"	3-0	3-0	3-0	3-0	3-0	3-0	3-0	3-0	3-0	3-0	3-0	3-0	3-0	3-0	3-0	3-0	3-0	3-0	3-0	
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24"	3-0	3-0	3-0	3-0	3-0	3-0	3-0	3-0	3-0	3-0	3-0	3-0	3-0	3-0	3-0	3-0	3-0	3-0	3-0	

GENERAL WATER NOTES:
 1. PRIOR TO BEING PLACED INTO SERVICE, THE WATER LINE SHALL BE DISINFECTED IN ACCORDANCE WITH A.W.W.A. CODE.
 2. A MINIMUM HORIZONTAL SEPARATION OF SIX FEET SHALL BE MAINTAINED BETWEEN WATER LINES AND SEWER LINES.
 3. WHERE WATER AND SEWER LINES CROSS, A MINIMUM VERTICAL SEPARATION OF FORTY EIGHT INCHES SHALL BE PROVIDED.
 4. WATER LINES TO BE A.W.W.A. C-900 OR 18 PSI PRESSURE PIPE (GALV. JUNT).
 5. TRACER WIRE TO BE INSTALLED ALONG ENTIRE LENGTH OF NEW WATERLINE AND CONNECTED TO FITTINGS. (10 GAUGE STRANDED WIRE).
 6. WATERLINE TO HAVE A MINIMUM OF 3' OF COVER UNLESS OTHERWISE NOTED.
 7. ALL WATER MAIN FITTINGS SHALL BE DUCTILE IRON, SHORT BODY, MECHANICAL JOINT.
 8. ALL BENDS AND TEES FOR WATERLINE ARE TO BE INSTALLED WITH CONCRETE THRUST BLOCKS IN ADDITION TO RESTRAINING BLENDS.
 9. ALL WATER LINE VALVES AND FITTINGS TO HAVE MESSALGO BORNES 2000PIV RESTRAINING GLANDS BY GISA IRON SALES, INC. OR APPROVED EQUAL.
 10. FLEX COUPLERS, IF REQUIRED, SHALL BE CAST COUPLING JETS BY JAC. OR APPROVED EQUAL. PIPE O.D. SHALL BE VERIFIED IN FIELD.
 11. FIRE HYDRANTS TO BE RED IN COLOR.
 12. CONTRACTOR TO VERIFY HYDRANT FIRE HOSE CONNECTION THREAD TYPE USED BY COMMUNITY.



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 DATE: 2/5/09
 SCALE: AS SHOWN
 JOB #: P 08 P 1.0
 PHASE: CD
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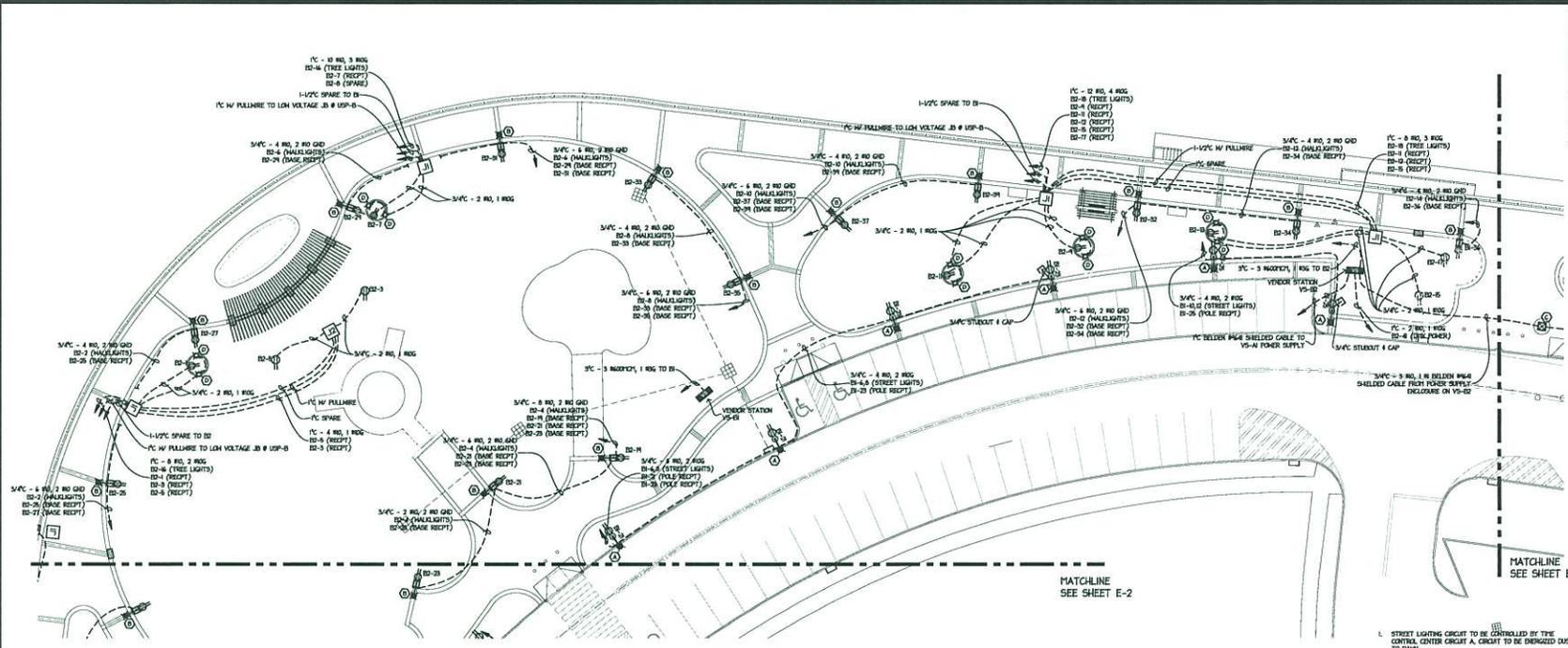
REVISIONS:

Design Development Documents For
Lakefront Promenade
 Lake Charles, Louisiana
Site Electrical Plan



DRAWN BY: MWCCI
 DATE: 7/5/09
 SCALE: AS SHOWN
 JOB #: 28017.00
 PHASE: DD

E-3



1 ELECTRICAL PLAN AREA C
 SCALE: 1" = 20'-0"

MAINS 400 AMP BREAKER
 MOUNTING SURFACE: NEMA RATING: 3RGASK
 GROUND BUS: EQUIP
 NEUTRAL BUS: 100%
 IER: 25,000

PANEL: B2 TYPE: DISTRIBUTION
 MFR: Sq D TYPE: NQOD
 240120 V 1 PH 3 W
 BRANCH BREAKERS: BOLT ON
 MODIFICATIONS: SEE NOTE 2

ITEM	WIRE	CON	CH	AMP	WIRE	ITEM
NO	NO	NO	NO	NO	NO	NO
20 AMP OUTLET #1	#12	201	1	2	201	#12 20 AMP OUTLET #7
20 AMP OUTLET #2	#12	201	3	4	201	#12 20 AMP OUTLET #8
20 AMP OUTLET #3	#12	201	5	6	201	#12 20 AMP OUTLET #9
20 AMP OUTLET #4	#12	201	7	8	201	#12 20 AMP OUTLET #10
20 AMP OUTLET #5	#12	201	9	10	201	#12 20 AMP OUTLET #11
20 AMP OUTLET #6	#12	201	11	12	201	#12 20 AMP OUTLET #12
20 AMP OUTLET #7	#12	201	13	14	201	#12 20 AMP OUTLET #13
20 AMP OUTLET #8	#12	201	15	16	201	#12 20 AMP OUTLET #14
20 AMP OUTLET #9	#12	201	17	18	201	#12 20 AMP OUTLET #15
20 AMP OUTLET #10	#12	201	19	20	201	#12 20 AMP OUTLET #16
20 AMP OUTLET #11	#12	201	21	22	201	SPARE
20 AMP OUTLET #12	#12	201	23	24	201	SPARE
20 AMP OUTLET #13	#12	201	25	26	201	SPARE
20 AMP OUTLET #14	#12	201	27	28	201	SPARE
20 AMP OUTLET #15	#12	201	29	30	201	SPARE
20 AMP OUTLET #16	#12	201	31	32	201	#12 20 AMP OUTLET #17
20 AMP OUTLET #17	#12	201	33	34	201	#12 20 AMP OUTLET #18
20 AMP OUTLET #18	#12	201	35	36	201	#12 20 AMP OUTLET #19
20 AMP OUTLET #19	#12	201	37	38	201	SPARE
20 AMP OUTLET #20	#12	201	39	40	201	SPARE
20 AMP OUTLET #21	#12	201	41	42	201	SPARE

NOTES TO PANEL B2
 1 STUB 3 EACH SPARE 2 CONDUITS UNDERGROUND & BEYOND PAVING FOR FUTURE.

MAINS 400 AMP BREAKER
 MOUNTING SURFACE: NEMA RATING: 4X
 GROUND BUS: EQUIP
 NEUTRAL BUS: 100%
 IER: 25,000

PANEL: VS-B1 TYPE: DISTRIBUTION
 MFR: Sq D TYPE: NQOD
 240120 V 1 PH 3 W
 BRANCH BREAKERS: BOLT ON
 MODIFICATIONS:

ITEM	WIRE	CON	CH	AMP	WIRE	ITEM
NO	NO	NO	NO	NO	NO	NO
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20 AMP OUTLET #2	#12	201	3	4	201	#12 20 AMP OUTLET #8
20 AMP OUTLET #3	#12	201	5	6	201	#12 20 AMP OUTLET #9
20 AMP OUTLET #4	#12	201	7	8	201	#12 20 AMP OUTLET #10
20 AMP OUTLET #5	#12	201	9	10	201	#12 20 AMP OUTLET #11
20 AMP OUTLET #6	#12	201	11	12	201	#12 20 AMP OUTLET #12
20 AMP OUTLET #7	#12	201	13	14	201	#12 20 AMP OUTLET #13
20 AMP OUTLET #8	#12	201	15	16	201	#12 20 AMP OUTLET #14
20 AMP OUTLET #9	#12	201	17	18	201	#12 20 AMP OUTLET #15
20 AMP OUTLET #10	#12	201	19	20	201	#12 20 AMP OUTLET #16
20 AMP OUTLET #11	#12	201	21	22	201	SPARE
20 AMP OUTLET #12	#12	201	23	24	201	SPARE
20 AMP OUTLET #13	#12	201	25	26	201	SPARE
20 AMP OUTLET #14	#12	201	27	28	201	SPARE
20 AMP OUTLET #15	#12	201	29	30	201	SPARE
20 AMP OUTLET #16	#12	201	31	32	201	#12 20 AMP OUTLET #17
20 AMP OUTLET #17	#12	201	33	34	201	#12 20 AMP OUTLET #18
20 AMP OUTLET #18	#12	201	35	36	201	#12 20 AMP OUTLET #19
20 AMP OUTLET #19	#12	201	37	38	201	SPARE
20 AMP OUTLET #20	#12	201	39	40	201	SPARE
20 AMP OUTLET #21	#12	201	41	42	201	SPARE

NOTES TO PANEL VS-B1
 1 STUB 3 EACH SPARE 2 CONDUITS UNDERGROUND & BEYOND PAVING FOR FUTURE.

3 VS-B1
 SCALE: NONE

MAINS 400 AMP BREAKER
 MOUNTING SURFACE: NEMA RATING: 4X
 GROUND BUS: EQUIP
 NEUTRAL BUS: 100%
 IER: 25,000

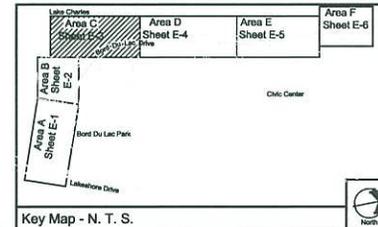
PANEL: VS-B2 TYPE: DISTRIBUTION
 MFR: Sq D TYPE: NQOD
 240120 V 1 PH 3 W
 BRANCH BREAKERS: BOLT ON
 MODIFICATIONS:

ITEM	WIRE	CON	CH	AMP	WIRE	ITEM
NO	NO	NO	NO	NO	NO	NO
20 AMP OUTLET #1	#12	201	1	2	201	#12 20 AMP OUTLET #7
20 AMP OUTLET #2	#12	201	3	4	201	#12 20 AMP OUTLET #8
20 AMP OUTLET #3	#12	201	5	6	201	#12 20 AMP OUTLET #9
20 AMP OUTLET #4	#12	201	7	8	201	#12 20 AMP OUTLET #10
20 AMP OUTLET #5	#12	201	9	10	201	#12 20 AMP OUTLET #11
20 AMP OUTLET #6	#12	201	11	12	201	#12 20 AMP OUTLET #12
20 AMP OUTLET #7	#12	201	13	14	201	#12 20 AMP OUTLET #13
20 AMP OUTLET #8	#12	201	15	16	201	#12 20 AMP OUTLET #14
20 AMP OUTLET #9	#12	201	17	18	201	#12 20 AMP OUTLET #15
20 AMP OUTLET #10	#12	201	19	20	201	#12 20 AMP OUTLET #16
20 AMP OUTLET #11	#12	201	21	22	201	SPARE
20 AMP OUTLET #12	#12	201	23	24	201	SPARE
20 AMP OUTLET #13	#12	201	25	26	201	SPARE
20 AMP OUTLET #14	#12	201	27	28	201	SPARE
20 AMP OUTLET #15	#12	201	29	30	201	SPARE
20 AMP OUTLET #16	#12	201	31	32	201	#12 20 AMP OUTLET #17
20 AMP OUTLET #17	#12	201	33	34	201	#12 20 AMP OUTLET #18
20 AMP OUTLET #18	#12	201	35	36	201	#12 20 AMP OUTLET #19
20 AMP OUTLET #19	#12	201	37	38	201	SPARE
20 AMP OUTLET #20	#12	201	39	40	201	SPARE
20 AMP OUTLET #21	#12	201	41	42	201	SPARE

NOTES TO PANEL VS-B2
 1 STUB 3 EACH SPARE 2 CONDUITS UNDERGROUND & BEYOND PAVING FOR FUTURE.

4 VS-B2
 SCALE: NONE

5 NOTES
 SCALE: NONE



Key Map - N. T. S.



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Project Number: 08-028

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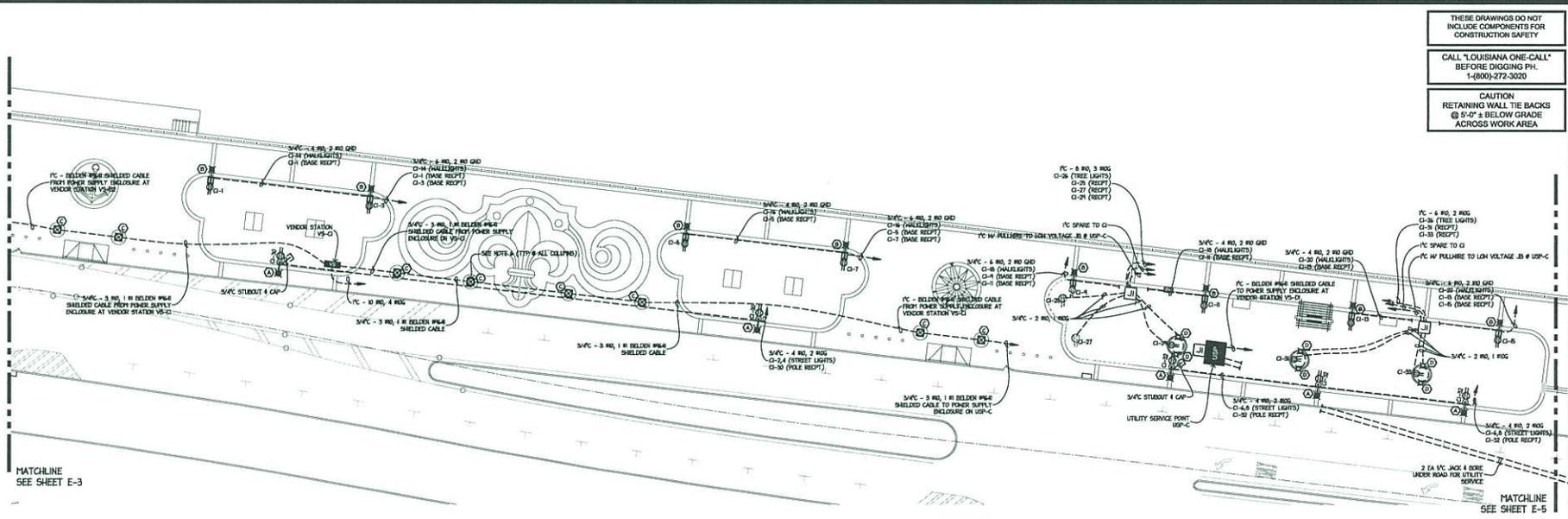
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 2010
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REVISIONS:



1 ELECTRICAL PLAN AREA D
 SCALE: 1" = 20'-0"

MAINS: 600 AMP BREAKER
 MEASURING SURFACE
 NEMA RATING: 3RGASK
 GROUND BUS: EQUIP
 NEUTRAL BUS: 100%
 IER: 25,000

PANEL: C1 TYPE: DISTRIBUTION
 MFR: SQ D TYPE: NQDD
 240/120 V 1 PH 3 W
 BRANCH BREAKERS: BOLT ON
 MODIFICATIONS: SEE NOTE 2

ITEM	QTY	WHIRL AMP	CR	WIRE	ITEM	QTY	WHIRL AMP	CR	WIRE	ITEM
RECEPT @ WALK LIGHT THRU COG	#10	20	1	2	#10	20	1	2	#10	20
RECEPT @ WALK LIGHT THRU COG	#10	20	3	4	#10	20	3	4	#10	20
RECEPT @ WALK LIGHT THRU COG	#10	20	5	6	#10	20	5	6	#10	20
RECEPT @ WALK LIGHT THRU COG	#10	20	7	8	#10	20	7	8	#10	20
RECEPT @ WALK LIGHT THRU COG	#10	20	9	10	#10	20	9	10	#10	20
RECEPT @ WALK LIGHT THRU COG	#10	20	11	12	#10	20	11	12	#10	20
RECEPT @ WALK LIGHT THRU COG	#10	20	13	14	#10	20	13	14	#10	20
RECEPT @ WALK LIGHT THRU COG	#10	20	15	16	#10	20	15	16	#10	20
RECEPT @ WALK LIGHT THRU COG	#10	20	17	18	#10	20	17	18	#10	20
RECEPT @ WALK LIGHT THRU COG	#10	20	19	20	#10	20	19	20	#10	20
RECEPT @ WALK LIGHT THRU COG	#10	20	21	22	#10	20	21	22	#10	20
RECEPT @ WALK LIGHT THRU COG	#10	20	23	24	#10	20	23	24	#10	20
RECEPT @ WALK LIGHT THRU COG	#10	20	25	26	#10	20	25	26	#10	20
RECEPT @ WALK LIGHT THRU COG	#10	20	27	28	#10	20	27	28	#10	20
RECEPT @ WALK LIGHT THRU COG	#10	20	29	30	#10	20	29	30	#10	20
RECEPT @ WALK LIGHT THRU COG	#10	20	31	32	#10	20	31	32	#10	20
RECEPT @ WALK LIGHT THRU COG	#10	20	33	34	#10	20	33	34	#10	20
RECEPT @ WALK LIGHT THRU COG	#10	20	35	36	#10	20	35	36	#10	20
RECEPT @ WALK LIGHT THRU COG	#10	20	37	38	#10	20	37	38	#10	20
RECEPT @ WALK LIGHT THRU COG	#10	20	39	40	#10	20	39	40	#10	20
RECEPT @ WALK LIGHT THRU COG	#10	20	41	42	#10	20	41	42	#10	20
WALKWAY LIGHT THRU COG	#10	20	43	44	#10	20	43	44	#10	20

MAINS: 600 AMP BREAKER
 MEASURING SURFACE
 NEMA RATING: 4X
 GROUND BUS: EQUIP
 NEUTRAL BUS: 100%
 IER: 25,000

PANEL: VS-C1 TYPE: DISTRIBUTION
 MFR: SQ D TYPE: NQDD
 240/120 V 1 PH 3 W
 BRANCH BREAKERS: BOLT ON
 MODIFICATIONS: SEE NOTE 2

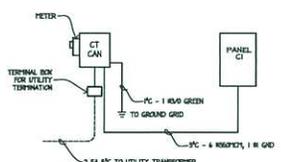
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20 AMP OUTLET #1	#10	20	1	2	#10	20	1	2	#10	20
20 AMP OUTLET #2	#10	20	3	4	#10	20	3	4	#10	20
20 AMP OUTLET #3	#10	20	5	6	#10	20	5	6	#10	20
20 AMP OUTLET #4	#10	20	7	8	#10	20	7	8	#10	20
20 AMP OUTLET #5	#10	20	9	10	#10	20	9	10	#10	20
20 AMP OUTLET #6	#10	20	11	12	#10	20	11	12	#10	20
20 AMP OUTLET #7	#10	20	13	14	#10	20	13	14	#10	20
20 AMP OUTLET #8	#10	20	15	16	#10	20	15	16	#10	20
20 AMP OUTLET #9	#10	20	17	18	#10	20	17	18	#10	20
SPARE	#10	20	19	20	SPARE	#10	20	21	22	SPARE
SPARE	#10	20	23	24	SPARE	#10	20	25	26	SPARE
SPARE	#10	20	27	28	SPARE	#10	20	29	30	SPARE
SPARE	#10	20	31	32	SPARE	#10	20	33	34	SPARE
60 AMP OUTLET #1	#1	60	35	36	#1	60	37	38	#1	60
60 AMP OUTLET #2	#1	60	39	40	#1	60	41	42	#1	60
60 AMP OUTLET #3	#1	60	43	44	#1	60	45	46	#1	60

NOTES TO PANEL C1
 1. STUB 2 EACH 1" C INTO ANCHOR BOX 1" OUTSIDE ENCLOSE FOR FUTURE.
 2. PROVIDE A 400 AMP 2 POLE SUB FEED BREAKER TO SERVE VENDOR STATION VS-N

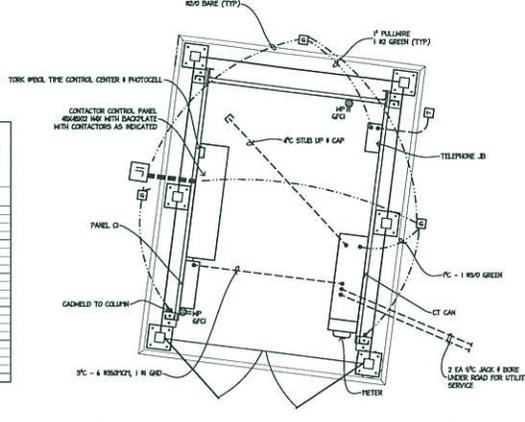
NOTES TO PANEL VS-C1
 1. STUB 5 EACH SPARE 2" CONDUITS UNDERGROUND 5' BEYOND PAVING FOR FUTURE.

2 PANEL C1
 SCALE: NONE

3 VS-C1
 SCALE: NONE



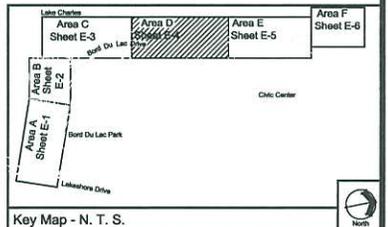
5 RISER DIAGRAM USP-C
 SCALE: NONE



4 ENLARGED PLAN USP-C
 SCALE: 1/2" = 1'-0"

- STREET LIGHTING CIRCUIT TO BE CONTROLLED BY THE CONTROL CENTER CIRCUIT A. CIRCUIT TO BE ENERGIZED DUE TO DARK.
- WALKWAY, CANOPY AND COLUMN LIGHTING CIRCUIT TO BE CONTROLLED BY THE CONTROL CENTER CIRCUIT B. CIRCUIT TO BE ENERGIZED DUE TO PRESET OFF.
- RECEPTACLE CIRCUITS TO BE CONTROLLED BY THE CONTROL CENTER CIRCUIT C. CIRCUIT TO BE ENERGIZED PRIOR TO PRESET OFF.
- SEE SHEET E-1 FOR LEGEND 4 SHEETS E-7 4 E-8 FOR DETAILS.
- WALKWAY LIGHTS ARE TO HAVE RECEPTACLE IN BASE OF POLE FEASIBLE AS FOR DETAIL ON SHEET E-7. STUB UP FROM RECEPTACLE BOX INTO POLE TO SERVE LIGHTS.
- INSTALL COLUMN LIGHTING IN THE CENTER OF THE COLUMN BASE WITH THE FIXTURE ARMED STRAIGHT UP.
- FIXTURES ARE TO BE INSTALLED IN ANCHOR BEAMS. SEE DETAIL AND NOTES ON LIGHT FIXTURE SCHEDULE.

6 NOTES
 SCALE: NONE



Key Map - N. T. S.



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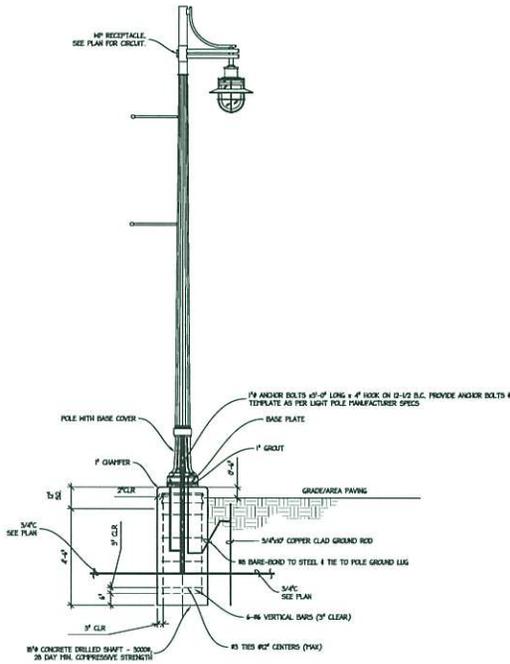
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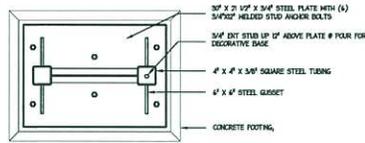
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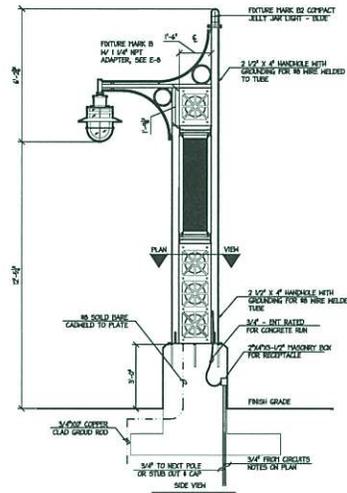
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 DATE: 2/5/09
 SCALE: AS SHOWN
 JOB #: 28017.00
 PHASE: DD



1 LIGHT FIXTURE MARK A
SCALE: 3/8" = 1'-0"



PLAN VIEW BASE PLATE
Scale: 1" = 1'-0"



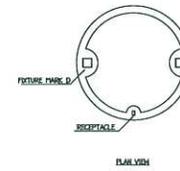
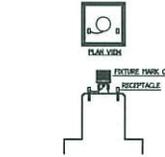
2 LIGHT FIXTURE MARK B
SCALE: 3/8" = 1'-0"

MARK	DESCRIPTION	LAMPS	NOTES
A	LUMEC IRCAND1-250P/SMH-PC-C-SE3-240FF-FE-COL TX with CNT-TA-GFP-0V-COL TX BRACKET on R050-19-BASIS/CO-COL TX	1 ea 250 W PSMH	1
B	LUMEC IRCAND1-250P/SMH-PC-C-SE3-120F-FE-COL TX on CUSTOM POLE	1 ea 250 W PSMH	2
B	PHOS/NEX #VFC08CL120HPH-C-SPECIAL COLOR	1 ea 25 PSL	2
C	ILLUMINEX #LIGHT WAVE LX COLOR CHANGING LED UNIT	1 ea UNIT	3
D	KIM S073D-10P/HA-120-F1-BL-AG873 w/ IN GROUND BALLAST BOX AND COVER	1 ea 70 W PAR 30 PSMH FL	4
E	ZUMTOBEL #ZLR1C-1A2014508S-U-WFL-SRM-F	1 ea 50 W PAR 20 PSMH FL	5

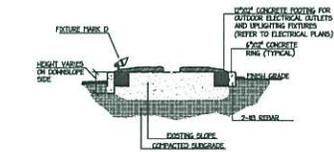
- NOTES:
- INSTALL WITH BANNER ARMS OPPOSITE FIXTURE. PROVIDE ANCHOR BOLTS AND COVER.
 - SEE ARCHITECTURAL DETAILS FOR POLE AND FIXTURE MOUNTING. THERE ARE TWO FIXTURES ON THIS POLE.
 - PROVIDE 600 WATT POWER CAPACT AT EACH LOCATION AND WELDED FOR GROUNDING. SEE DRAWING FOR WIRING REQUIRED FROM POWER SUPPLY TO LIGHTING UNIT.
 - INSTALL IN CONCRETE RING ANCHOR TIEES. SEE DETAIL IN DRAWINGS.
 - PLUMB IN TUBES BEAM FOR ANCHOR. CONTRACTOR SHALL BE REQUIRED TO INSTALL FIXTURES IN FABRICATOR SHOP TO ALIGN THE BEAM TO BE FABRICATED. COORDINATE WITH ELECTRICAL.

5 LIGHT FIXTURE SCHEDULE
SCALE: NONE

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



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



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Design Development Documents For:

Lakefront Promenade

Lake Charles, Louisiana

Site Electrical Plan



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DATE: 2/5/09
SCALE: AS SHOWN
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PHASE: DD