

WEST BANK AND VICINITY  
**ENGINEERING ALTERNATIVE REPORT**  
FOR THE ENLARGEMENT OF HURRICANE PROTECTION  
ALGIERS CANAL INDUSTRIAL REACH, PHASE II



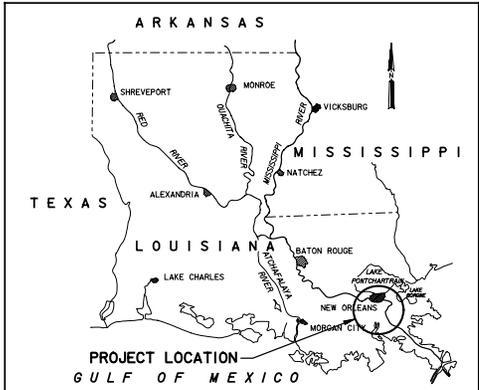
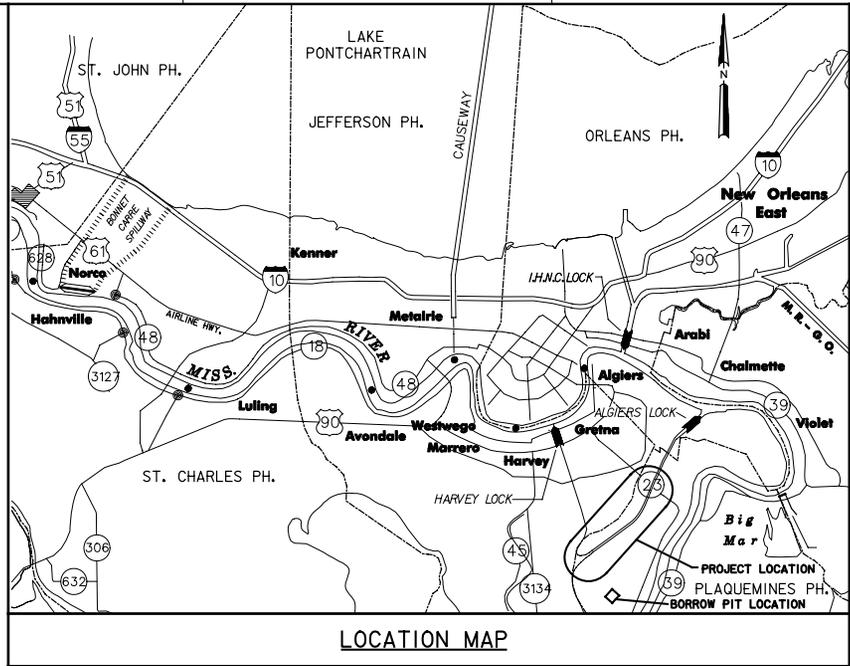
US ARMY ENGINEER DISTRICT  
CORPS OF ENGINEERS  
2008



**URS**

3500 N. Causeway Blvd. Suite 900  
Metairie, Louisiana 70002  
(504) 837-6326





VICINITY MAP  
SCALE OF MILES  
0 40 80 120 160 200

DWG.	TITLE
G-001	LOCATION MAP, VICINITY MAP, AND INDEX TO DRAWINGS
G-002	LEGEND, ABBREVIATIONS, & GENERAL NOTES
R-01 THRU R-92	PLAN AND UTILITY AND FACILITY DISPOSITIONS

**RIGHTS-OF-WAY**  
**WEST BANK AND VICINITY, NEW ORLEANS, LA.**  
**HURRICANE PROTECTION PROJECT WEST OF ALGIERS CANAL**  
**BELLE CHASSE HWY. TO HERO CUT-OFF LEVEE,**  
**FLOODWALL AND FLOODGATES**  
**STATION 980+00 TO 1230+00**  
**ALGIERS CANAL INDUSTRIAL REACH, PHASE 2**



DATE	DESCRIPTION

U.S. ARMY CORPS OF ENGINEERS  
 NEW ORLEANS DISTRICT  
 NEW ORLEANS, LOUISIANA  
**URS**  
 CONSULTANTS  
 1000 PONDICHERRY DRIVE  
 SUITE 200  
 NEW ORLEANS, LA 70112  
 PHONE: (504) 586-1000  
 FAX: (504) 586-1001  
 WWW: www.urscorp.com

WEST BANK AND VICINITY, NEW ORLEANS, LOUISIANA  
 ENGINEERING AND ARCHITECTURAL REPORT  
 FOR THE ENLARGEMENT OF HURRICANE PROTECTION  
 BELLE CHASSE HIGHWAY TO HERO CUT-OFF LEVEE  
 STA. 980+00 TO STA. 1230+00

SHEET IDENTIFICATION  
**G-01**

SYMBOL DESCRIPTION

Table of symbols and descriptions for various features like Match Line, Edge of Water, Tree Line, Crown of Existing Levee, etc.

TABULATION OF MONUMENTS table with columns: DESIGNATION, DESCRIPTION, ELEVATION NAVD88 (EPOCH INTERVAL), COORDINATE NORTHING (N) EASTING (E)

ABBREVIATION DESCRIPTION table listing various abbreviations like B/L, BLDG, CFC, etc. and their corresponding descriptions.

UTILITY CONTACTS:

- List of utility contacts including PLAQUEMINES PARISH, ATMOS ENERGY, ENTERGY, BELLSOUTH, COX CABLE, and LOUISIANA DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT.

TABULATION - PROJECT BASELINE table with columns: P.O.B., DISTANCE, AZIMUTH (N), NORTHING, EASTING

GENERAL NOTES:

- Notes regarding azimuths, elevations, benchmarks, dimensions, real estate, laydown areas, access servitudes, and alternate 6.



Table with columns: DATE, DESCRIPTION, DATE, DESCRIPTION

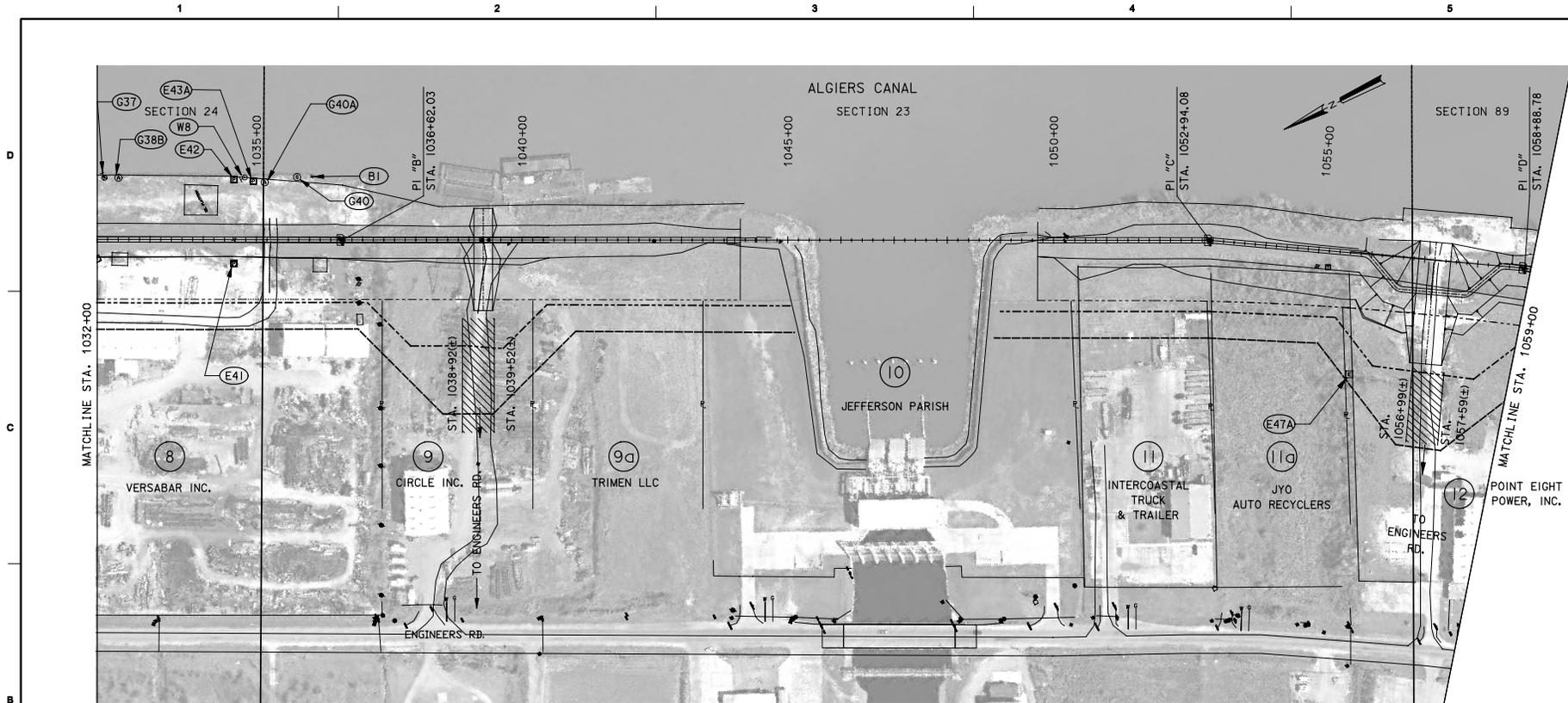
Professional Engineer seal for URS, including name, number, and expiration date.

WEST BANK AND VICINITY, NEW ORLEANS, LOUISIANA... FOR THE EMERGENCY ALTERNATE 6 REPORT FOR THE ENHANCEMENT OF HURRICANE PROTECTION BELLE CHASSE HIGHWAY TO HARD CUTOFF LEVEE STA. 980+00 TO STA. 1230+00

SHEET IDENTIFICATION G-02







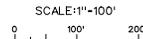
TOTAL ACRES PER SHEET	
	ACRES
PERPETUAL FLOOD PROTECTION EASEMENT	1.7
REQUIRED TEMPORARY WORK AREA EASEMENT	3.2
ACCESS ROAD SERVITUDE	1.11
LAYDOWN AREA/ STAGING AREA	0

TABLE OF TEMPORARY WORK AREA OFFSETS		
P.I.	STA. B/L	OFFSET
26	1033+71.71	169.37' RT
27	1036+91.32	167.51' RT
28	1038+51.33	327.51' RT
29	1039+45.91	327.09' RT
30	1041+01.11	171.88' RT
31	1045+11.98	173.76' RT
32	1048+88.94	184.09' RT
33	1052+91.23	184.09' RT
34	1055+13.44	174.95' RT
35	1056+76.19	352.11' RT
36	1057+61.41	355.62' RT

TABULATION - PROJECT BASELINE				
	DISTANCE	AZIMUTH (N)	NORTHING	EASTING
P.I. "B"	3342.30	206°55'10.02"	496159.02	3697639.98
P.I. "C"	1632.06	206°50'07.47"	494702.73	3696903.22
P.I. "D"	594.69	211°52'14.15"	494197.69	3696589.22

NOTE: ALL SERVICES ARE APPROXIMATE.

- LEGEND**
- EXISTING PROPERTY LINES
  - EXISTING RIGHT-OF-WAY
  - EXISTING LEVEE
  - BASELINE
  - REQUIRED TEMPORARY WORK AREA EASEMENT
  - REQUIRED PERPETUAL UNDERGROUND PILING EASEMENT
  - REQUIRED PERPETUAL FLOOD PROTECTION EASEMENT
  - 60' TEMPORARY ACCESS CORRIDOR



- NOTES:**
- EXISTING TOE OF LEVEE SHOWN IS BASED UPON 2007 ALGIERS LEVEE ENLARGEMENT DESIGN PLANS.
  - PROPERTY LINES ARE SHOWN IN APPROXIMATE LOCATIONS ONLY.
  - THE EXISTENCE AND LOCATION OF UNDERGROUND UTILITIES IN THIS AREA HAVE BEEN DETERMINED TO THE BEST OF THE KNOWLEDGE OF THE PRESENT OWNERS OF THE PROPERTIES AND ARE APPROXIMATE.
  - THE OWNERS SHOWN ARE THE KNOWN OWNERS AS OF THE DATE SHOWN ON THIS DRAWING AND ARE NOT WARRANTED TO BE CORRECT AT ANY TIME AFTER THIS DATE. THE CONTRACTOR SHALL VERIFY CURRENT OWNERSHIP PRIOR TO CONSTRUCTION.

U.S. Army Corps of Engineers  
NEW ORLEANS DISTRICT

DATE	DESCRIPTION	DATE	APP'D. MARK

DESIGNED BY: [Name]  
 CHECKED BY: [Name]  
 DRAWN BY: [Name]  
 DATE: [Date]  
 PROJECT NO.: [Number]  
 SHEET NO.: [Number]

**URS**  
 URS CORPORATION  
 1000 POND LANE  
 SUITE 100  
 HOUSTON, TEXAS 77056

WEST BANK AND VICINITY, NEW ORLEANS, LOUISIANA  
 ENGINEERING ALTERNATIVES REPORT  
 FOR THE ENLARGEMENT OF ALGIERA PROTECTION  
 ALGIERS CANAL INDUSTRIAL REACH, PHASE 2  
 ALTERNATIVES 1 AND 2  
 RIGHTS-OF-WAY STA. 1032+00 TO STA. 1058+00

**SHEET IDENTIFICATION**  
**R-03**

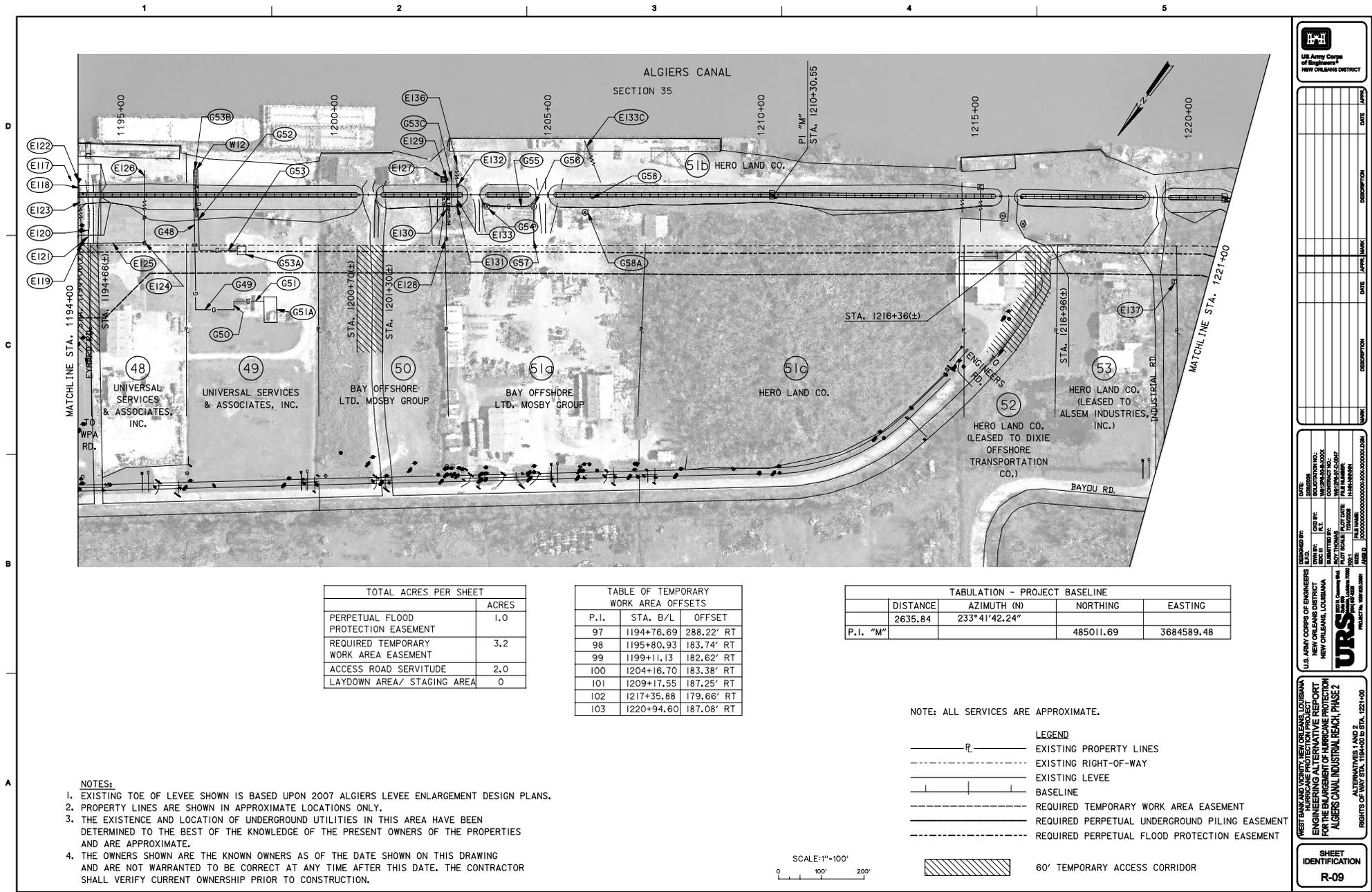










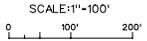


TOTAL ACRES PER SHEET	
	ACRES
PERPETUAL FLOOD PROTECTION EASEMENT	1.0
REQUIRED TEMPORARY WORK AREA EASEMENT	3.2
ACCESS ROAD SERVITUDE	2.0
LAYDOWN AREA/ STAGING AREA	0

TABLE OF TEMPORARY WORK AREA OFFSETS			
P.I.	STA.	B/L	OFFSET
97	1194+76.69		288.22' RT
98	1195+80.93		183.74' RT
99	1199+11.13		182.62' RT
100	1204+16.70		183.38' RT
101	1209+17.55		187.25' RT
102	1217+35.88		179.68' RT
103	1220+94.60		187.08' RT

TABULATION - PROJECT BASELINE				
	DISTANCE	AZIMUTH (N)	NORTHING	EASTING
P.I. "M"	2635.84	233° 41' 42.24"	485011.69	3684589.48

- NOTES:
- EXISTING TOE OF LEVEE SHOWN IS BASED UPON 2007 ALGIERS LEVEE ENLARGEMENT DESIGN PLANS.
  - PROPERTY LINES ARE SHOWN IN APPROXIMATE LOCATIONS ONLY.
  - THE EXISTENCE AND LOCATION OF UNDERGROUND UTILITIES IN THIS AREA HAVE BEEN DETERMINED TO THE BEST OF THE KNOWLEDGE OF THE PRESENT OWNERS OF THE PROPERTIES AND ARE APPROXIMATE.
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- NOTE: ALL SERVICES ARE APPROXIMATE.
- LEGEND**
- EXISTING PROPERTY LINES
  - EXISTING RIGHT-OF-WAY
  - EXISTING LEVEE
  - BASELINE
  - REQUIRED TEMPORARY WORK AREA EASEMENT
  - REQUIRED PERPETUAL UNDERGROUND PILING EASEMENT
  - REQUIRED PERPETUAL FLOOD PROTECTION EASEMENT
  - 60' TEMPORARY ACCESS CORRIDOR

US Army Corps of Engineers  
NEW ORLEANS DISTRICT

DATE	DESCRIPTION	DATE	APPROVAL

DESIGNED BY: [ ]  
 CHECKED BY: [ ]  
 DRAWN BY: [ ]  
 PLOT DATE: [ ]  
 PLOT SCALE: [ ]  
 FILE NAME: [ ]  
 SIZE: [ ]  
 LAMP ID: [ ]

U.S. ARMY CORPS OF ENGINEERS  
 NEW ORLEANS DISTRICT  
 NEW ORLEANS, LOUISIANA  
**URS**  
 CONSULTANTS  
 1000 POND HAVEN DRIVE  
 SUITE 100  
 METairie, Louisiana 70002

WEST BANK AND VICINITY, NEW ORLEANS, LOUISIANA  
 ENGINEERING ALTERNATIVES REPORT  
 FOR THE ENLARGEMENT OF ALABAMA PROTECTION  
 ALGIERS CANAL INDUSTRIAL REACH, PHASE 2  
 ALTERNATIVES 1 AND 2  
 RIGHTS OF WAY STA. 1194+00 TO STA. 1221+00

**SHEET IDENTIFICATION**  
**R-09**





1

2

3

4

5

D

C

B

A

EXISTING FACILITIES						
ITEM	DESCRIPTION	STATION *	OFFSET*	OWNER	CONTACT	DISPOSITION
G15A	ABANDONED GAS VALVE	1018+27.23	109.00 LT.	VERSABAR INC.	GREGORY KHACHATURIAN (504)392-3200	TO BE RELOCATED
G16	AIR SUPPLY MANIFOLD	1018+65.83	108.51 LT.	VERSABAR INC.	GREGORY KHACHATURIAN (504)392-3200	TO BE RELOCATED
G17	ABANDONED GAS VALVE	1019+12.72	108.03 LT.	VERSABAR INC.	GREGORY KHACHATURIAN (504)392-3200	TO BE RELOCATED
G18	ABANDONED GAS VALVE	1019+51.12	110.03 LT.	VERSABAR INC.	GREGORY KHACHATURIAN (504)392-3200	TO BE RELOCATED
G22	AIR SUPPLY MANIFOLD	1021+82.23	108.01 LT.	VERSABAR INC.	GREGORY KHACHATURIAN (504)392-3200	TO BE RELOCATED
G25	AIR SUPPLY MANIFOLD	1024+57.73	108.01 LT.	VERSABAR INC.	GREGORY KHACHATURIAN (504)392-3200	TO BE RELOCATED
G27	AIR SUPPLY MANIFOLD	1026+80.33	108.00 LT.	VERSABAR INC.	GREGORY KHACHATURIAN (504)392-3200	TO BE RELOCATED
G28	ABANDONED FUEL LINE	1026+93.13	108.00 LT.	VERSABAR INC.	GREGORY KHACHATURIAN (504)392-3200	TO BE RELOCATED
G30	AIR SUPPLY MANIFOLD	1027+35.34	111.00 LT.	VERSABAR INC.	GREGORY KHACHATURIAN (504)392-3200	TO BE RELOCATED
G32	GAS VALVE	1028+83.13	111.00 LT.	VERSABAR INC.	GREGORY KHACHATURIAN (504)392-3200	TO BE RELOCATED
G33	ABANDONED FUEL LINE	1028+96.33	111.00 LT.	VERSABAR INC.	GREGORY KHACHATURIAN (504)392-3200	TO BE RELOCATED
G34	AIR SUPPLY MANIFOLD	1029+12.76	111.00 LT.	VERSABAR INC.	GREGORY KHACHATURIAN (504)392-3200	TO BE RELOCATED
G35	3 FUEL LINES/BLOCKED	1029+59.93	111.00 LT.	VERSABAR INC.	GREGORY KHACHATURIAN (504)392-3200	TO BE RELOCATED
G37	FUEL LINE	1032+14.00(±)	116.00 LT.	VERSABAR INC.	GREGORY KHACHATURIAN (504)392-3200	TO BE RELOCATED
G38B	AIR SUPPLY MANIFOLD	1032+40.00(±)	116.00 LT.	VERSABAR INC.	GREGORY KHACHATURIAN (504)392-3200	TO BE RELOCATED
G40	3 FUEL LINES/PIPE	1035+76.33	118.00 LT.	VERSABAR INC.	GREGORY KHACHATURIAN (504)392-3200	TO BE RELOCATED
G40A	AIR SUPPLY MANIFOLD	1035+15.00(±)	108.00 LT.	VERSABAR INC.	GREGORY KHACHATURIAN (504)392-3200	TO BE RELOCATED
W4	WATER VALVE	1021+51.23	108.00 LT.	VERSABAR INC.	GREGORY KHACHATURIAN (504)392-3200	TO BE RELOCATED
W5	WATER VALVE	1024+22.73	108.00 LT.	VERSABAR INC.	GREGORY KHACHATURIAN (504)392-3200	TO BE RELOCATED
W6	WATER VALVE	1031+72.03	116.00 LT.	VERSABAR INC.	GREGORY KHACHATURIAN (504)392-3200	TO BE RELOCATED
W8	WATER VALVE	1034+77.93	117.00 LT.	VERSABAR INC.	GREGORY KHACHATURIAN (504)392-3200	TO BE RELOCATED
D1	DRAIN CULVERT	1075+12.37 1075+24.61	80.96 RT. 83.23 RT.	NREC POWER SYSTEMS	BRYAN CHAISSON (504)393-7272	TO BE RELOCATED
E47A	ELECTRICAL BOX	1055+78.00(±)	228.00 RT.	POINT EIGHT POWER, INC.	PRESTON CHRISTMAN (504)394-6100	TO BE RELOCATED
E49	POWER POLE	1067+63.19	41.30 RT.	ENTERGY	SIDNEY GUY JOHNSON (504)365-3626	TO BE RELOCATED BY ENTERGY
E59	POWER POLE	1072+76.43	102.55 RT.	NREC POWER SYSTEMS	BRYAN CHAISSON (504)393-7272	TO BE RELOCATED
E63	LIGHT PEDESTAL	1082+56.11	93.57 LT.	CANAL BARGE CO.	JOSEPH M. TYSON (504)581-2424	TO BE RELOCATED
E64	POWER POLE	1083+21.10	123.26 RT.	CANAL BARGE CO.	JOSEPH M. TYSON (504)581-2424	TO BE RELOCATED
E65	POWER POLE	1083+20.96	52.96 RT.	ENTERGY	SIDNEY GUY JOHNSON (504)365-3626	TO BE RELOCATED BY ENTERGY
E66	OVERHEAD ELECTRIC LINE	1083+21.10 1083+20.96	123.26 RT. 52.96 RT.	ENTERGY	SIDNEY GUY JOHNSON (504)365-3626	TO BE REMOVED AND RELOCATED
E67	POWER POLE	1083+22.38	36.64 LT.	ENTERGY	SIDNEY GUY JOHNSON (504)365-3626	TO BE RELOCATED BY ENTERGY
E68	OVERHEAD ELECTRIC LINE	1083+20.96 1083+22.38	52.96 RT. 36.64 LT.	ENTERGY	SIDNEY GUY JOHNSON (504)365-3626	TO BE REMOVED AND RELOCATED
E69	ELECTRICAL BOX	1083+25.71	44.45 LT.	CANAL BARGE CO.	JOSEPH M. TYSON (504)581-2424	TO BE RELOCATED
F18	FENCE	1072+63.59 1072+62.45	161.24 RT. 100.19 RT.	NREC POWER SYSTEMS	BRYAN CHAISSON (504)393-7272	TO BE RELOCATED
F19	FENCE	1072+62.45 1073+23.38	100.19 RT. 102.74 RT.	NREC POWER SYSTEMS	BRYAN CHAISSON (504)393-7272	TO BE RELOCATED
F20	FENCE	1074+03.67 1074+36.78	103.05 RT. 103.73 RT.	NREC POWER SYSTEMS	BRYAN CHAISSON (504)393-7272	TO BE RELOCATED
F21	FENCE	1074+36.78 1074+37.12	103.73 RT. 79.14 RT.	NREC POWER SYSTEMS	BRYAN CHAISSON (504)393-7272	TO BE RELOCATED
F22	FENCE	1074+56.42 1074+70.86	77.91 RT. 76.41 RT.	NREC POWER SYSTEMS	BRYAN CHAISSON (504)393-7272	TO BE RELOCATED
F23	FENCE	1074+64.11 1074+64.11	105.43 RT. 105.43 RT.	NREC POWER SYSTEMS	BRYAN CHAISSON (504)393-7272	TO BE RELOCATED
F24	FENCE	1077+61.71	108.77 RT.	NREC POWER SYSTEMS	BRYAN CHAISSON (504)393-7272	TO BE RELOCATED



US Army Corps of Engineers  
NEW ORLEANS DISTRICT

DATE: _____ REVISION: _____ DRAWN BY: _____ CHECKED BY: _____ PROJECT NO.: _____ SHEET NO.: _____	DATE: _____ DESCRIPTION: _____ DATE: _____ NAME: _____
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WEST BANK AND VICINITY, NEW ORLEANS, LOUISIANA  
 ENGINEERING ALTERNATIVES REPORT  
 FOR THE EMERGENCY OF AIRCANE PROTECTION  
 ALGERS CANAL INDUSTRIAL REACH, PHASE 2  
 ALTERNATIVES 1 AND 2  
 UTILITY DISPOSITIONS

SHEET IDENTIFICATION  
R-12









TOTAL ACRES THIS ALTERNATE	
	ACRES
PERPETUAL FLOOD PROTECTION EASEMENT	156.6
REQUIRED TEMPORARY WORK AREA EASEMENT	27.3
ACCESS ROAD SERVITUDE	10.6
LAYDOWN AREA/ STAGING AREA	.61

TOTAL ACRES PER SHEET	
	ACRES
PERPETUAL FLOOD PROTECTION EASEMENT	17.1
REQUIRED TEMPORARY WORK AREA EASEMENT	2.9
ACCESS ROAD SERVITUDE	0.7
LAYDOWN AREA/ STAGING AREA	0

TABULATION - PROJECT BASELINE				
	DISTANCE	AZIMUTH (N)	NORTHING	EASTING
P.O.B.	2506.43	206° 48' 23.95"	501376.24	3700283.52
P.I. "A"			499139.16	3699153.16

TABLE OF TEMPORARY WORK AREA OFFSETS		
P.I.	STA. B/L	OFFSET
1	980+00	461.12' RT
2	1003+19.38	461.12' RT

- NOTES:
- EXISTING TOE OF LEVEE SHOWN IS BASED UPON 2007 ALGIERS LEVEE ENLARGEMENT DESIGN PLANS.
  - PROPERTY LINES ARE SHOWN IN APPROXIMATE LOCATIONS ONLY.
  - THE EXISTENCE AND LOCATION OF UNDERGROUND UTILITIES IN THIS AREA HAVE BEEN DETERMINED TO THE BEST OF THE KNOWLEDGE OF THE PRESENT OWNERS OF THE PROPERTIES AND ARE APPROXIMATE.
  - THE OWNERS SHOWN ARE THE KNOWN OWNERS AS OF THE DATE SHOWN ON THIS DRAWING AND ARE NOT WARRANTED TO BE CORRECT AT ANY TIME AFTER THIS DATE. THE CONTRACTOR SHALL VERIFY CURRENT OWNERSHIP PRIOR TO CONSTRUCTION.

SCALE: 1"=100'  
 0 100' 200'

NOTE: ALL SERVICES ARE APPROXIMATE.

- LEGEND**
- P — EXISTING PROPERTY LINES
  - - - - - EXISTING RIGHT-OF-WAY
  - — — — — EXISTING LEVEE
  - — — — — BASELINE
  - - - - - REQUIRED TEMPORARY WORK AREA EASEMENT
  - - - - - REQUIRED PERPETUAL UNDERGROUND PILING EASEMENT
  - - - - - REQUIRED PERPETUAL FLOOD PROTECTION EASEMENT
  - ▨ 60' TEMPORARY ACCESS CORRIDOR



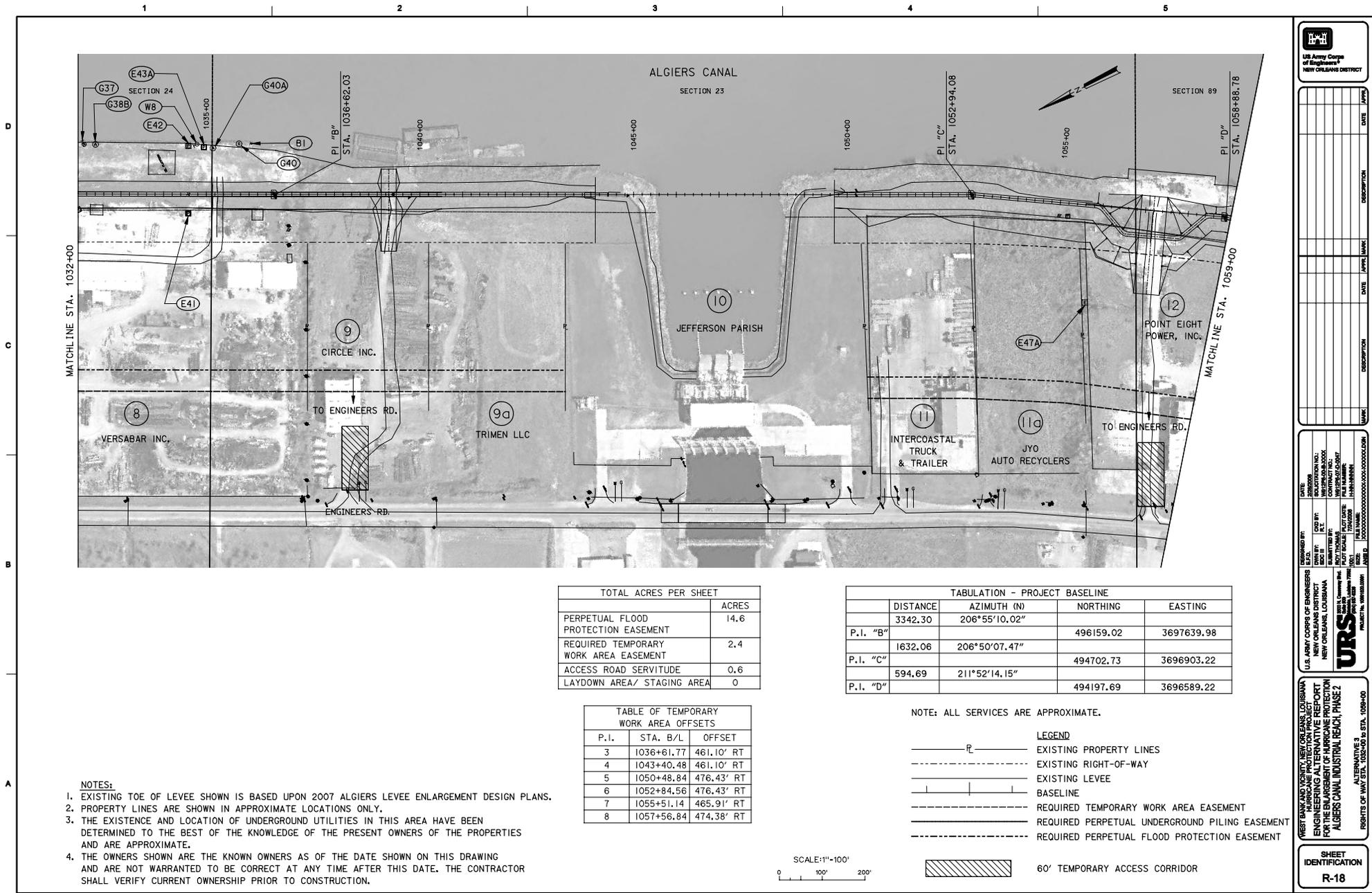
DATE	APPROVAL	DESCRIPTION

DESIGNED BY: **URS**  
 CHECKED BY: **URS**  
 DATE: **URS**  
 PROJECT NO. **URS**  
 SHEET NO. **URS**  
 SCALE: **URS**  
 DATE: **URS**  
 FILE NAME: **URS**  
 SIZE: **URS**  
 PROJECT NO. **URS**

WEST BANK AND VICINITY, NEW ORLEANS, LOUISIANA  
 ENGINEERING AND ARCHITECTURAL REPORT  
 FOR THE ENLARGEMENT OF ALGIERS PROTECTION  
 ALGIERS CANAL INDUSTRIAL REACH, PHASE 2  
 ALTERNATIVE 3  
 RIGHTS-OF-WAY STA. 980+00 TO STA. 1005+00

SHEET IDENTIFICATION  
**R-16**



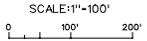


TOTAL ACRES PER SHEET	
	ACRES
PERPETUAL FLOOD PROTECTION EASEMENT	14.6
REQUIRED TEMPORARY WORK AREA EASEMENT	2.4
ACCESS ROAD SERVITUDE	0.6
LAYDOWN AREA/ STAGING AREA	0

TABULATION - PROJECT BASELINE				
	DISTANCE	AZIMUTH (N)	NORTHING	EASTING
P.I. "B"	3342.30	206°55'10.02"	496159.02	3697639.98
P.I. "C"	1632.06	206°50'07.47"	494702.73	3696903.22
P.I. "D"	594.69	211°52'14.15"	494197.69	3696589.22

TABLE OF TEMPORARY WORK AREA OFFSETS		
P.I.	STA. B/L	OFFSET
3	1036+61.77	461.10' RT
4	1043+40.48	461.10' RT
5	1050+48.84	476.43' RT
6	1052+84.56	476.43' RT
7	1055+51.14	465.91' RT
8	1057+56.84	474.38' RT

- NOTES:
- EXISTING TOE OF LEVEE SHOWN IS BASED UPON 2007 ALGIERS LEVEE ENLARGEMENT DESIGN PLANS.
  - PROPERTY LINES ARE SHOWN IN APPROXIMATE LOCATIONS ONLY.
  - THE EXISTENCE AND LOCATION OF UNDERGROUND UTILITIES IN THIS AREA HAVE BEEN DETERMINED TO THE BEST OF THE KNOWLEDGE OF THE PRESENT OWNERS OF THE PROPERTIES AND ARE APPROXIMATE.
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- LEGEND**
- EXISTING PROPERTY LINES
  - EXISTING RIGHT-OF-WAY
  - EXISTING LEVEE
  - BASELINE
  - REQUIRED TEMPORARY WORK AREA EASEMENT
  - REQUIRED PERPETUAL UNDERGROUND PILING EASEMENT
  - REQUIRED PERPETUAL FLOOD PROTECTION EASEMENT
  - 60' TEMPORARY ACCESS CORRIDOR

U.S. Army Corps of Engineers  
NEW ORLEANS DISTRICT

DATE	DESCRIPTION	DATE	APPROVAL

DESIGNED BY: [Name] CHECKED BY: [Name] DATE: [Date]

PROJECT NO.: [Number] SHEET NO.: [Number] OF [Total]

SCALE: [Scale] DATE: [Date] FILE NAME: [Name]

PROJECT LOCATION: [Location] STATE: [State] COUNTY: [County]

NEW ORLEANS DISTRICT  
ENGINEERING AND CONSTRUCTION REPORT  
FOR THE ENLARGEMENT OF ALGIERS LEVEE PROTECTION  
ALGIERS CANAL INDUSTRIAL REACH, PHASE 2  
ALTERNATIVE 3  
RIGHTS-OF-WAY STA. 1032+00 to STA. 1059+00

**SHEET IDENTIFICATION**  
**R-18**

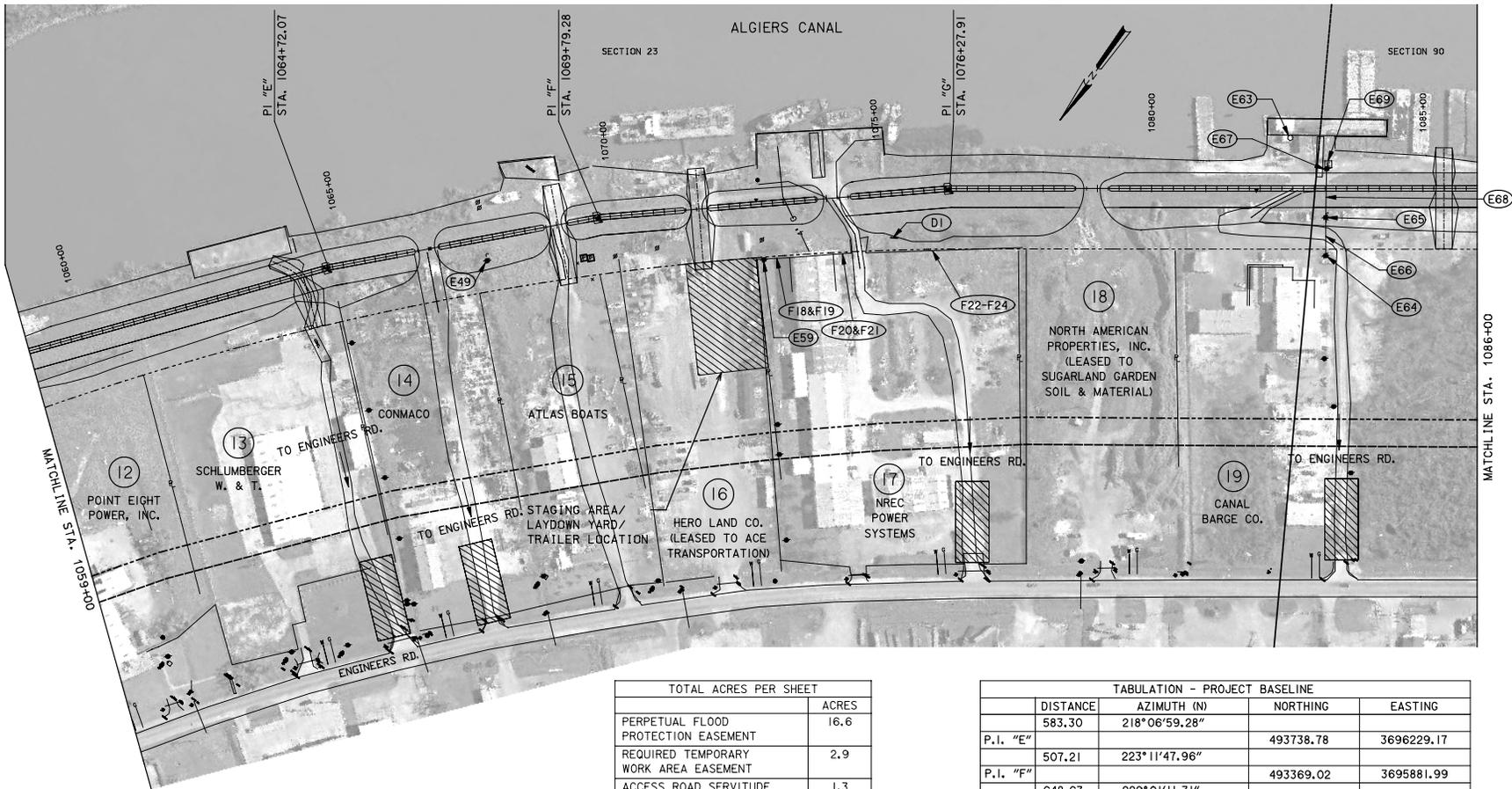
1

2

3

4

5



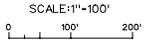
TOTAL ACRES PER SHEET	
	ACRES
PERPETUAL FLOOD PROTECTION EASEMENT	16.6
REQUIRED TEMPORARY WORK AREA EASEMENT	2.9
ACCESS ROAD SERVITUDE	1.3
LAYDOWN AREA/ STAGING AREA	.61

TABULATION - PROJECT BASELINE				
	DISTANCE	AZIMUTH (N)	NORTHING	EASTING
P.I. "E"	583.30	218°06'59.28"	493738.78	3696229.17
P.I. "F"	507.21	223°11'47.96"	493369.02	3695881.99
P.I. "G"	648.63	229°01'11.31"	492943.65	3695392.31

TABLE OF TEMPORARY WORK AREA OFFSETS		
P.I.	STA. B/L	OFFSET
9	1060+31.69	471.33' RT
10	1065+13.68	475.49' RT
11	1067+07.46	478.40' RT
12	1070+53.85	477.40' RT
13	1072+56.92	470.61' RT
14	1074+62.77	470.34' RT
15	1077+69.95	470.76' RT
16	1080+60.21	472.87' RT
17	1085+67.07	475.77' RT

NOTE: ALL SERVICES ARE APPROXIMATE.

- LEGEND**
- EXISTING PROPERTY LINES
  - EXISTING RIGHT-OF-WAY
  - EXISTING LEVEE
  - BASELINE
  - REQUIRED TEMPORARY WORK AREA EASEMENT
  - REQUIRED PERPETUAL UNDERGROUND PILING EASEMENT
  - REQUIRED PERPETUAL FLOOD PROTECTION EASEMENT
  - 60' TEMPORARY ACCESS CORRIDOR



- NOTES:**
- EXISTING TOE OF LEVEE SHOWN IS BASED UPON 2007 ALGIERS LEVEE ENLARGEMENT DESIGN PLANS.
  - PROPERTY LINES ARE SHOWN IN APPROXIMATE LOCATIONS ONLY.
  - THE EXISTENCE AND LOCATION OF UNDERGROUND UTILITIES IN THIS AREA HAVE BEEN DETERMINED TO THE BEST OF THE KNOWLEDGE OF THE PRESENT OWNERS OF THE PROPERTIES AND ARE APPROXIMATE.
  - THE OWNERS SHOWN ARE THE KNOWN OWNERS AS OF THE DATE SHOWN ON THIS DRAWING AND ARE NOT WARRANTED TO BE CORRECT AT ANY TIME AFTER THIS DATE. THE CONTRACTOR SHALL VERIFY CURRENT OWNERSHIP PRIOR TO CONSTRUCTION.



DATE	APPROVAL	DESCRIPTION

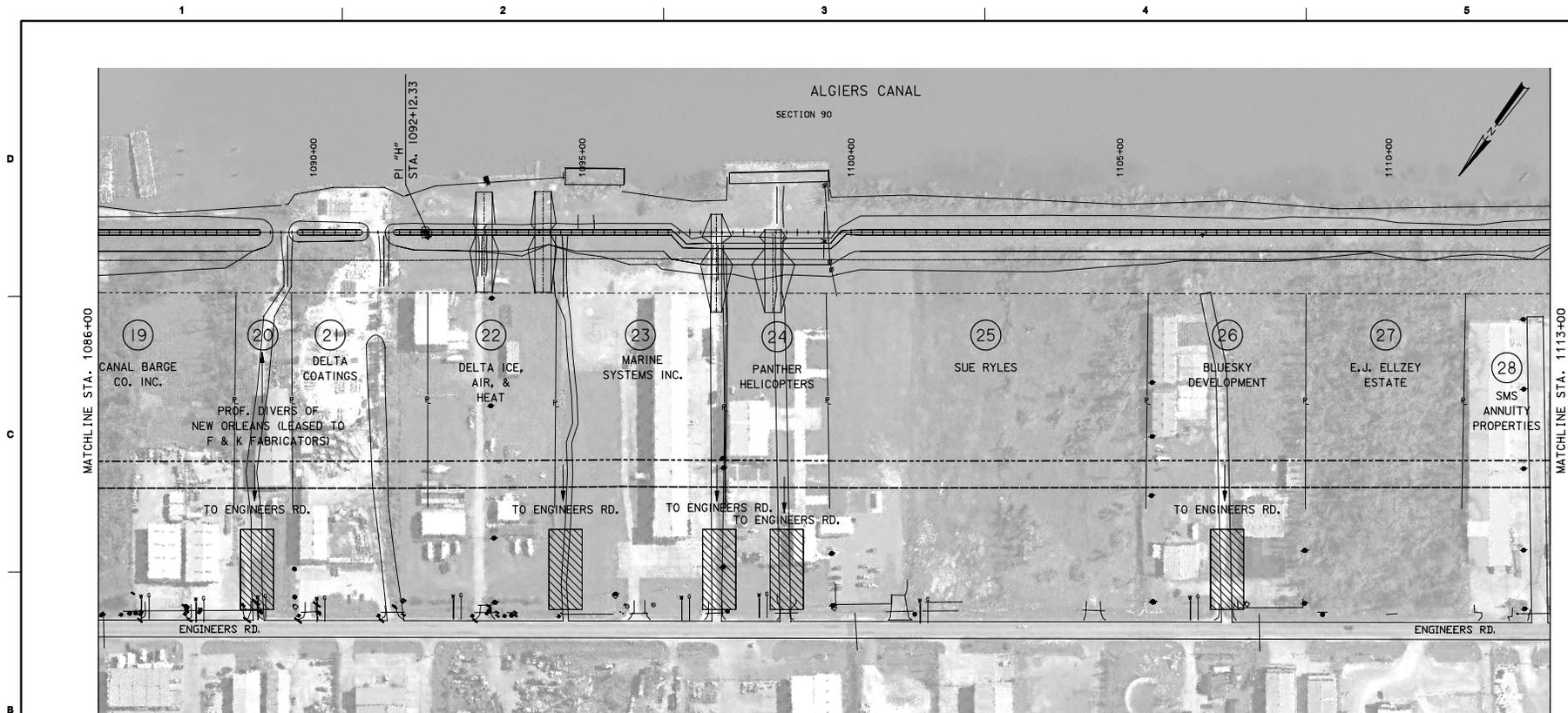
U.S. ARMY CORPS OF ENGINEERS  
 NEW ORLEANS DISTRICT  
 NEW ORLEANS, LOUISIANA

DESIGNED BY: [ ]  
 CHECKED BY: [ ]  
 DRAWN BY: [ ]  
 DATE: [ ]

PROJECT NO. 1086+00  
 SHEET NO. R-19

ALTERNATIVE 3  
 RIGHTS OF WAY STA. 1086+00 TO STA. 1086+00  
 FOR THE ENLARGEMENT OF ALGIERS CANAL INDUSTRIAL REACH, PHASE 2

**SHEET IDENTIFICATION**  
**R-19**

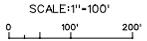


TOTAL ACRES PER SHEET	
	ACRES
PERPETUAL FLOOD PROTECTION EASEMENT	17.1
REQUIRED TEMPORARY WORK AREA EASEMENT	3.0
ACCESS ROAD SERVITUDE	1.6
LAYDOWN AREA/ STAGING AREA	0

TABULATION - PROJECT BASELINE				
	DISTANCE	AZIMUTH (N)	NORTHING	EASTING
P.I. "H"	1584.42	233° 41' 28.32"	492005.45	3694115.53

TABLE OF TEMPORARY WORK AREA OFFSETS		
P.I.	STA. B/L	OFFSET
18	1092+13.20	475.85' RT
19	1095+84.78	472.54' RT
20	1100+76.33	475.01' RT
21	1105+73.21	474.17' RT
22	1112+79.66	474.04' RT

- NOTES:
- EXISTING TOE OF LEVEE SHOWN IS BASED UPON 2007 ALGIERS LEVEE ENLARGEMENT DESIGN PLANS.
  - PROPERTY LINES ARE SHOWN IN APPROXIMATE LOCATIONS ONLY.
  - THE EXISTENCE AND LOCATION OF UNDERGROUND UTILITIES IN THIS AREA HAVE BEEN DETERMINED TO THE BEST OF THE KNOWLEDGE OF THE PRESENT OWNERS OF THE PROPERTIES AND ARE APPROXIMATE.
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- NOTE: ALL SERVICES ARE APPROXIMATE.
- LEGEND**
- EXISTING PROPERTY LINES
  - EXISTING RIGHT-OF-WAY
  - EXISTING LEVEE
  - BASELINE
  - REQUIRED TEMPORARY WORK AREA EASEMENT
  - REQUIRED PERPETUAL UNDERGROUND PILING EASEMENT
  - REQUIRED PERPETUAL FLOOD PROTECTION EASEMENT
  - 60' TEMPORARY ACCESS CORRIDOR



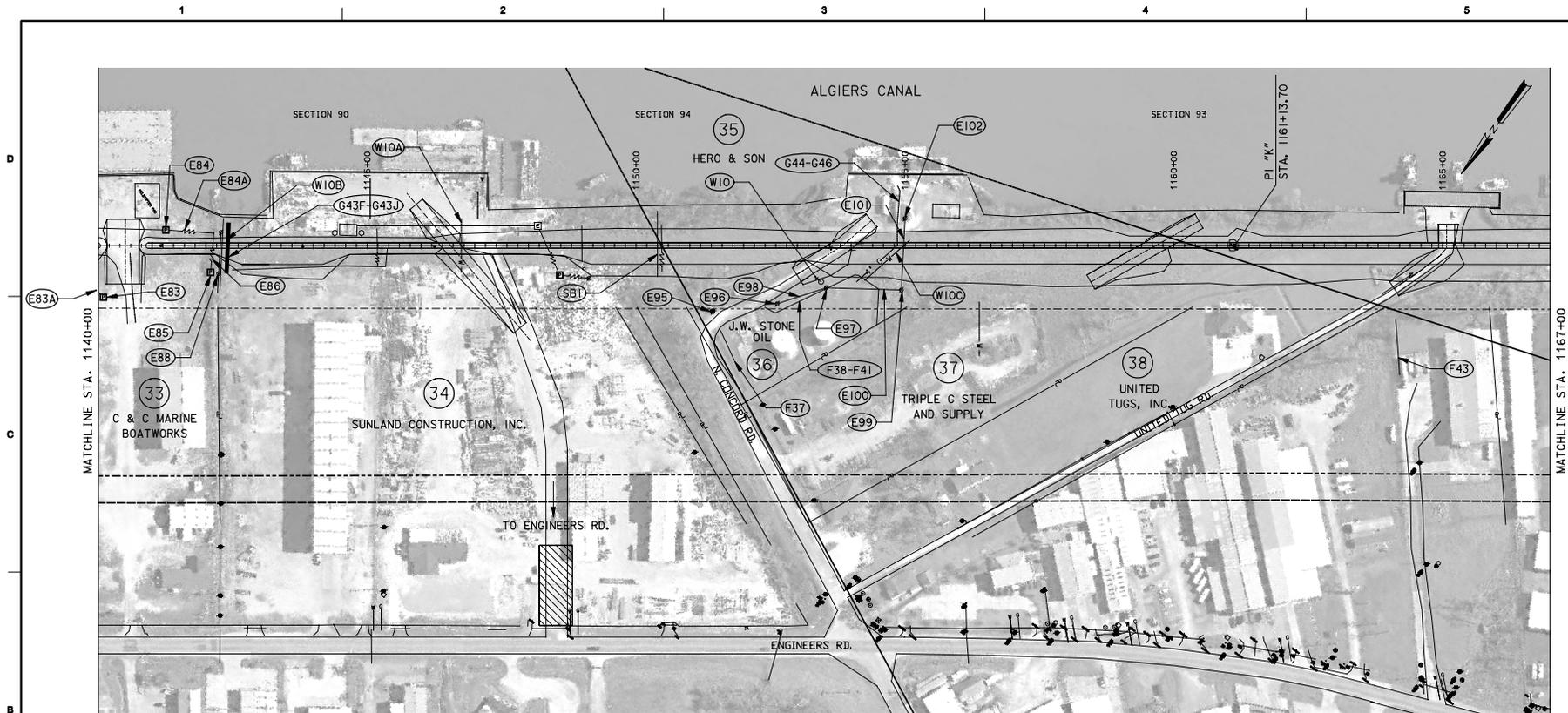
DATE	DESCRIPTION	DATE	APPROVAL

DESIGNED BY: U.S. ARMY CORPS OF ENGINEERS  
 DRAWN BY: NEW ORLEANS DISTRICT  
 CHECKED BY: NEW ORLEANS, LOUISIANA  
 DATE: 10/20/07  
 PROJECT NO.: 1113-00  
 SHEET NO.: R-20  
 PROJECT TITLE: ALGIERS CANAL INDUSTRIAL REACH, PHASE 2  
 ALTERNATIVE 3  
 RIGHTS OF WAY STA. 1086+00 TO STA. 1113+00

WEST BANK AND VICINITY, NEW ORLEANS, LOUISIANA  
 ENGINEERING AND CONSTRUCTION REPORT  
 FOR THE ENLARGEMENT OF ALGIERS CANAL PROTECTION  
 ALGIERS CANAL INDUSTRIAL REACH, PHASE 2

SHEET IDENTIFICATION  
**R-20**





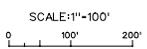
TOTAL ACRES PER SHEET	
	ACRES
PERPETUAL FLOOD PROTECTION EASEMENT	17.1
REQUIRED TEMPORARY WORK AREA EASEMENT	3.1
ACCESS ROAD SERVITUDE	1.1
LAYDOWN AREA/ STAGING AREA	0

TABULATION - PROJECT BASELINE				
	DISTANCE	AZIMUTH (N)	NORTHING	EASTING
P.I. "K"	3510.84	233° 40' 49.24"	487919.30	3688553.85

TABLE OF TEMPORARY WORK AREA OFFSETS		
P.I.	STA. B/L	OFFSET
29	1141+13.08	478.58' RT
30	1146+05.26	477.47' RT
31	1150+85.72	476.02' RT
32	1155+83.61	476.66' RT
33	1162+07.81	473.73' RT
34	1167+04.86	475.88' RT

NOTE: ALL SERVICES ARE APPROXIMATE.

- LEGEND**
- P — EXISTING PROPERTY LINES
  - - - - - EXISTING RIGHT-OF-WAY
  - - - - - EXISTING LEVEE
  - — — — — BASELINE
  - - - - - REQUIRED TEMPORARY WORK AREA EASEMENT
  - - - - - REQUIRED PERPETUAL UNDERGROUND PILING EASEMENT
  - - - - - REQUIRED PERPETUAL FLOOD PROTECTION EASEMENT



60' TEMPORARY ACCESS CORRIDOR

- NOTES:**
- EXISTING TOE OF LEVEE SHOWN IS BASED UPON 2007 ALGIERS LEVEE ENLARGEMENT DESIGN PLANS.
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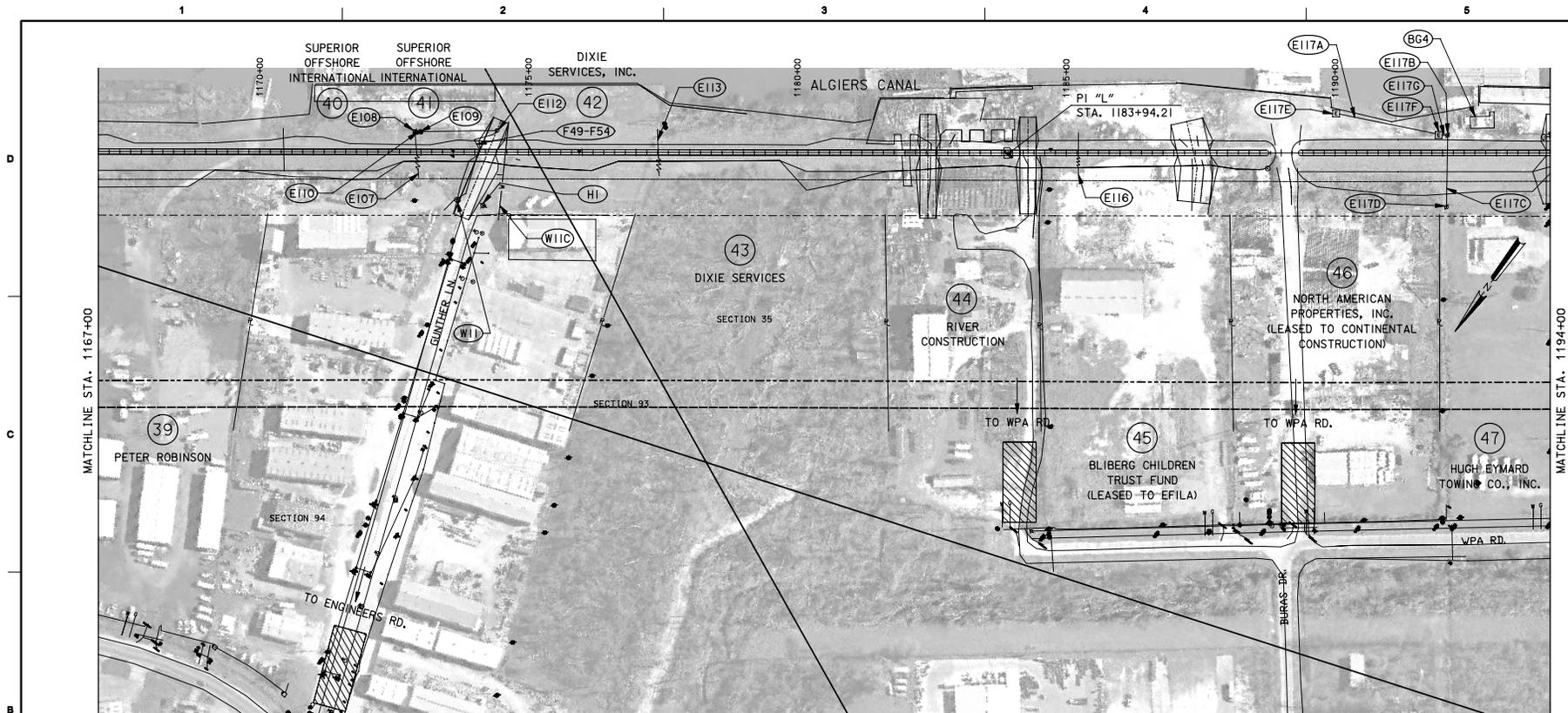


DATE	DESCRIPTION	DATE	APPROVAL

DESIGNED BY: URS  
 DRAWN BY: URS  
 CHECKED BY: URS  
 DATE: 11/15/2011  
 PROJECT NO.: 1167-00  
 SHEET NO.: R-22  
 SCALE: AS SHOWN  
 URS  
 URS CORPORATION  
 2601 WEST BANK DRIVE  
 SUITE 200  
 NEW ORLEANS, LOUISIANA 70119  
 PHONE: (504) 885-8700  
 FAX: (504) 885-8701  
 WWW.URS.COM

WEST BANK AND VICINITY, NEW ORLEANS, LOUISIANA  
 ENGINEERING AND ARCHITECTURAL REPORT  
 FOR THE ENLARGEMENT OF ALGIERS CANAL PROTECTION  
 ALGIERS CANAL INDUSTRIAL REACH, PHASE 2  
 ALTERNATIVE 3  
 RIGHTS-OF-WAY STA. 1140+00 TO STA. 1167+00

**SHEET IDENTIFICATION**  
**R-22**



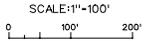
TOTAL ACRES PER SHEET	
	ACRES
PERPETUAL FLOOD PROTECTION EASEMENT	17.0
REQUIRED TEMPORARY WORK AREA EASEMENT	3.1
ACCESS ROAD SERVITUDE	1.8
LAYDOWN AREA/ STAGING AREA	0

TABULATION - PROJECT BASELINE				
	DISTANCE	AZIMUTH (N)	NORTHING	EASTING
P.I. "L"	2280.51	233°47'49.17"	486572.32	3686713.64

TABLE OF TEMPORARY WORK AREA OFFSETS		
P.I.	STA. B/L	OFFSET
35	1173+60.43	473.45' RT
36	1178+58.03	474.02' RT
37	1184+93.48	475.11' RT
38	1189+74.36	477.29' RT
39	1194+05.57	476.66' RT

NOTE: ALL SERVICES ARE APPROXIMATE.

- LEGEND**
- P — EXISTING PROPERTY LINES
  - - - - - EXISTING RIGHT-OF-WAY
  - - - - - EXISTING LEVEE
  - - - - - BASELINE
  - - - - - REQUIRED TEMPORARY WORK AREA EASEMENT
  - - - - - REQUIRED PERPETUAL UNDERGROUND PILING EASEMENT
  - - - - - REQUIRED PERPETUAL FLOOD PROTECTION EASEMENT



60' TEMPORARY ACCESS CORRIDOR

- NOTES:**
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DATE	DESCRIPTION	DATE	DESCRIPTION

DATE: 10/20/2011  
 DESIGNED BY: J. B. ...  
 DRAWN BY: J. B. ...  
 CHECKED BY: J. B. ...  
 PROJECT NO.: 11184-00  
 SHEET NO.: R-23  
 URS

WEST BANK AND VICINITY, NEW ORLEANS, LOUISIANA  
 ENGINEERING AND CONSTRUCTION REPORT  
 FOR THE EMERGENCY OF HURRICANE PROTECTION  
 ALGIERS CANAL INDUSTRIAL REACH, PHASE 2  
 ALTERNATIVE 3  
 RIGHTS OF WAY STA. 1167+00 TO STA. 1194+00

**SHEET IDENTIFICATION**  
**R-23**











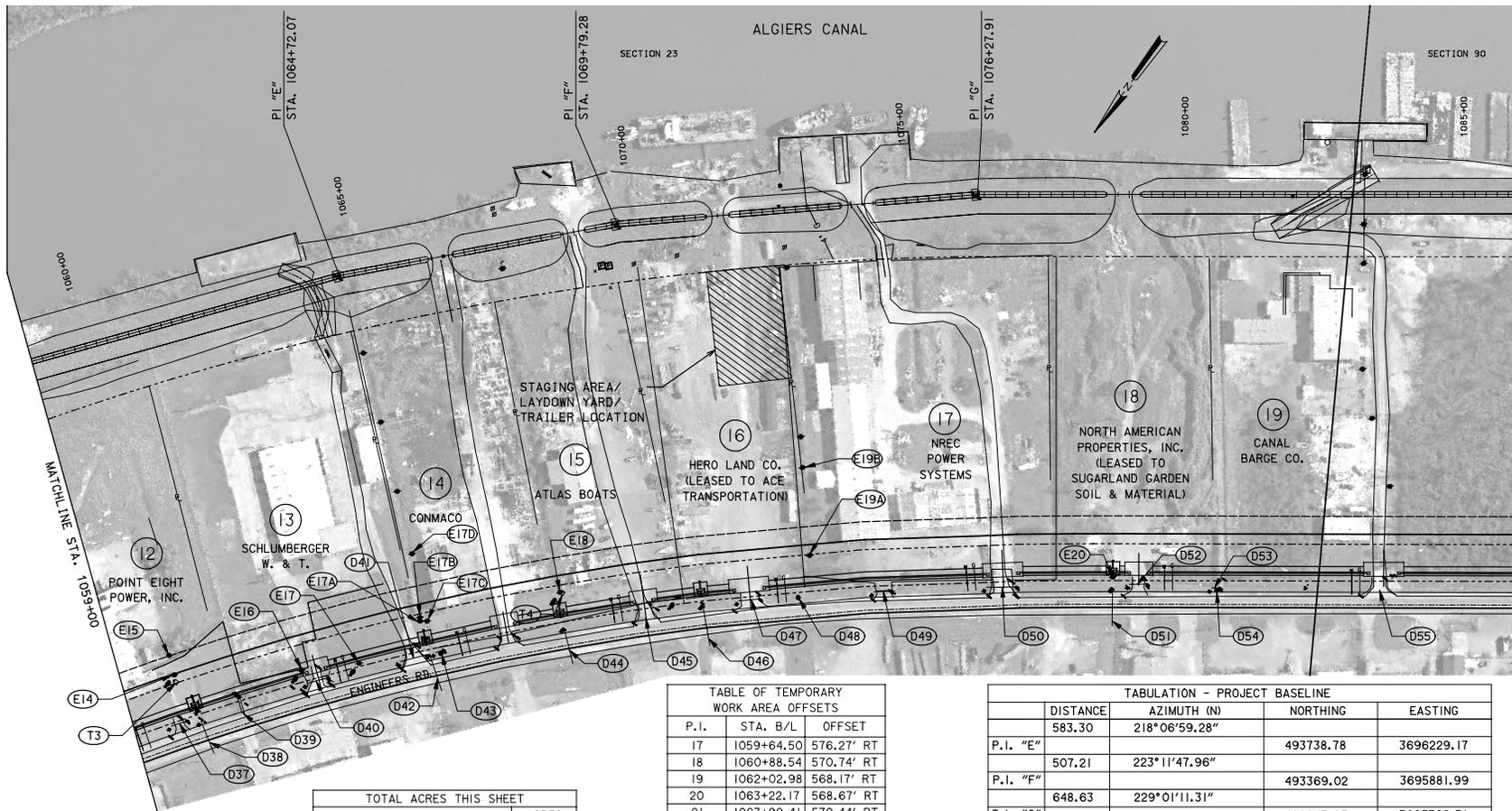












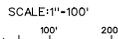
TOTAL ACRES THIS SHEET	
	ACRES
PERPETUAL FLOOD PROTECTION EASEMENT	3.8
REQUIRED TEMPORARY WORK AREA EASEMENT	2.9
PERPETUAL U.G. PILING EASEMENT	7.6
LAYDOWN AREA/ STAGING AREA	.61

TABLE OF TEMPORARY WORK AREA OFFSETS		
P.I.	STA. B/L	OFFSET
17	1059+64.50	576.27' RT
18	1060+88.54	570.74' RT
19	1062+02.98	568.17' RT
20	1063+22.17	568.67' RT
21	1063+99.41	570.44' RT
22	1066+25.33	567.87' RT
23	1067+46.12	567.45' RT
24	1068+83.77	569.91' RT
25	1070+72.34	570.09' RT
26	1073+71.48	567.83' RT
27	1076+39.91	579.65' RT
28	1076+94.17	577.07' RT
29	1078+35.21	576.10' RT

TABULATION - PROJECT BASELINE				
	DISTANCE	AZIMUTH (N)	NORTHING	EASTING
P.I. "E"	583.30	218°06'59.28"	493738.78	3696229.17
P.I. "F"	507.21	223°11'47.96"	493369.02	3695881.99
P.I. "G"	648.63	229°01'11.31"	492943.65	3695392.31

NOTE: ALL SERVICES ARE APPROXIMATE.

- LEGEND**
- EXISTING PROPERTY LINES
  - - - - - EXISTING RIGHT-OF-WAY
  - - - - - EXISTING LEVEE
  - BASELINE
  - - - - - REQUIRED TEMPORARY WORK AREA EASEMENT
  - - - - - REQUIRED PERPETUAL UNDERGROUND PILING EASEMENT
  - - - - - REQUIRED ROAD RIGHT-OF-WAY



- NOTES:**
- EXISTING TOE OF LEVEE SHOWN IS BASED UPON 2007 ALGIERS LEVEE ENLARGEMENT DESIGN PLANS.
  - PROPERTY LINES ARE SHOWN IN APPROXIMATE LOCATIONS ONLY.
  - THE EXISTENCE AND LOCATION OF UNDERGROUND UTILITIES IN THIS AREA HAVE BEEN DETERMINED TO THE BEST OF THE KNOWLEDGE OF THE PRESENT OWNERS OF THE PROPERTIES AND ARE APPROXIMATE.
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DATE	DESCRIPTION	DATE	APPROVAL

DESIGNED BY: **URS**  
 CHECKED BY: **URS**  
 DATE: **URS**  
 PROJECT NO.: **URS**  
 SHEET NO.: **URS**  
 SCALE: **URS**  
 DATE: **URS**  
 FILE NAME: **URS**  
 SIZE: **URS**  
 PROJECT: **URS**

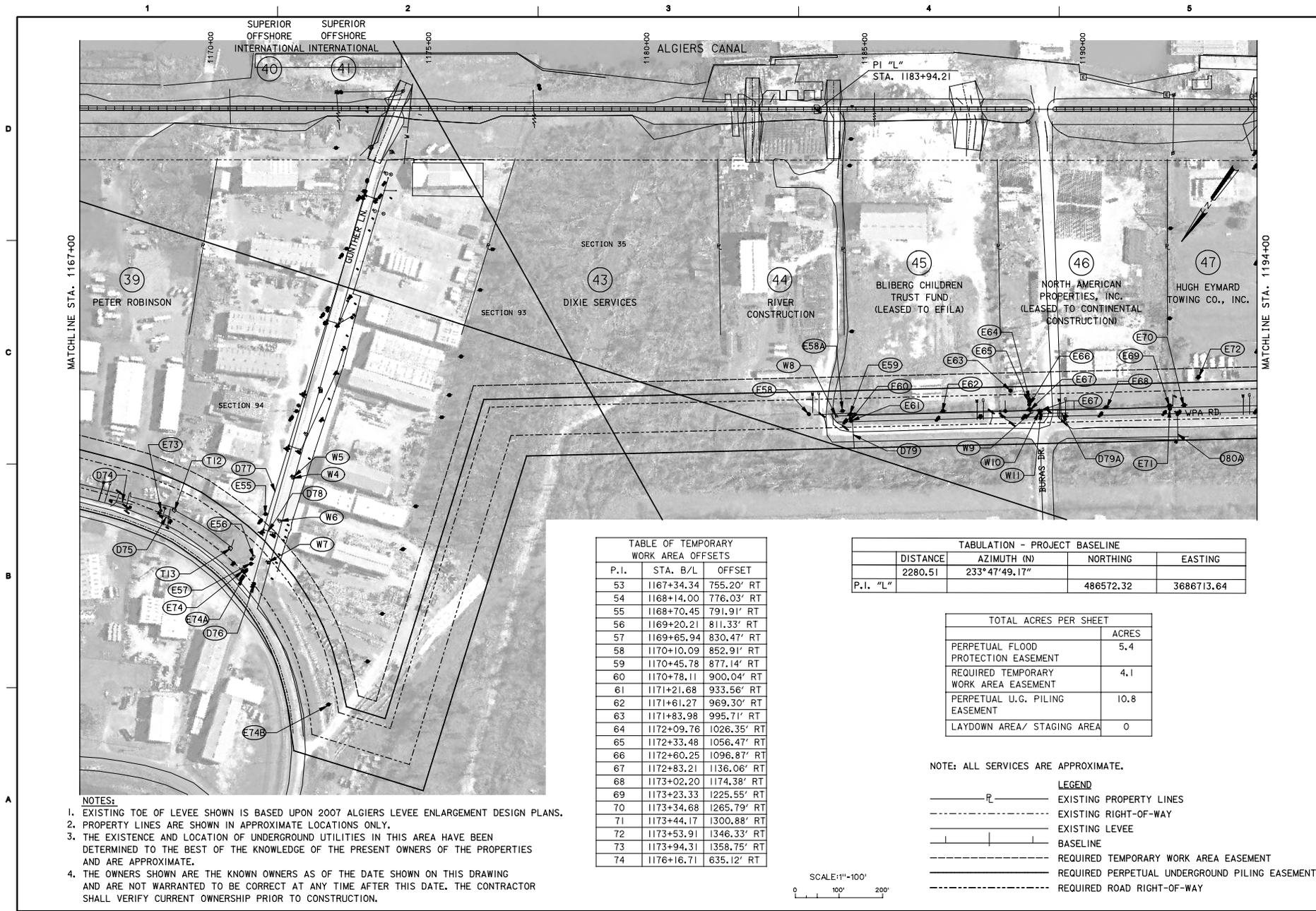
NEW ORLEANS DISTRICT  
 ALTERNATIVE 4  
 RIGHTS-OF-WAY STA. 1086+00 & STA. 1086+00  
 FOR THE ENLARGEMENT OF ALGIERS CANAL INDUSTRIAL REACH, PHASE 2

**SHEET IDENTIFICATION**  
**R-34**









MATCHLINE STA. 1167+00

MATCHLINE STA. 1194+00

TABLE OF TEMPORARY WORK AREA OFFSETS

P.I.	STA. B/L	OFFSET
53	1167+34.34	755.20' RT
54	1168+14.00	776.03' RT
55	1168+70.45	791.91' RT
56	1169+20.21	811.33' RT
57	1169+65.94	830.47' RT
58	1170+10.09	852.91' RT
59	1170+45.78	877.14' RT
60	1170+78.11	900.04' RT
61	1171+21.68	933.56' RT
62	1171+61.27	969.30' RT
63	1171+83.98	995.71' RT
64	1172+09.76	1026.35' RT
65	1172+33.48	1056.47' RT
66	1172+60.25	1096.87' RT
67	1172+83.21	1136.06' RT
68	1173+02.20	1174.38' RT
69	1173+23.33	1225.55' RT
70	1173+34.68	1265.79' RT
71	1173+44.17	1300.88' RT
72	1173+53.91	1346.33' RT
73	1173+94.31	1358.75' RT
74	1176+16.71	635.12' RT

TABULATION - PROJECT BASELINE

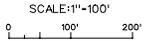
	DISTANCE	AZIMUTH (N)	NORTHING	EASTING
P.I. "L"	2280.51	233°47'49.17"	486572.32	3686713.64

TOTAL ACRES PER SHEET

	ACRES
PERPETUAL FLOOD PROTECTION EASEMENT	5.4
REQUIRED TEMPORARY WORK AREA EASEMENT	4.1
PERPETUAL U.G. PILING EASEMENT	10.8
LAYDOWN AREA/ STAGING AREA	0

- NOTE: ALL SERVICES ARE APPROXIMATE.
- LEGEND
- P — EXISTING PROPERTY LINES
  - - - - - EXISTING RIGHT-OF-WAY
  - - - - - EXISTING LEVEE
  - — — — — BASELINE
  - - - - - REQUIRED TEMPORARY WORK AREA EASEMENT
  - - - - - REQUIRED PERPETUAL UNDERGROUND PILING EASEMENT
  - - - - - REQUIRED ROAD RIGHT-OF-WAY

- NOTES:
- EXISTING TOE OF LEVEE SHOWN IS BASED UPON 2007 ALGIERS LEVEE ENLARGEMENT DESIGN PLANS.
  - PROPERTY LINES ARE SHOWN IN APPROXIMATE LOCATIONS ONLY.
  - THE EXISTENCE AND LOCATION OF UNDERGROUND UTILITIES IN THIS AREA HAVE BEEN DETERMINED TO THE BEST OF THE KNOWLEDGE OF THE PRESENT OWNERS OF THE PROPERTIES AND ARE APPROXIMATE.
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DATE	DESCRIPTION	DATE	APPROVAL

DESIGNED BY: U.S. ARMY CORPS OF ENGINEERS  
 DRAWN BY: NEW ORLEANS DISTRICT  
 CHECKED BY: NEW ORLEANS, LOUISIANA  
 PROJECT NO.: 1184-00  
 SHEET NO.: R-38  
 DATE: 11/18/10  
 SCALE: AS SHOWN  
 PROJECT: ALGIERS CANAL INDUSTRIAL REACH, PHASE 2  
 ALTERNATIVE 4  
 RIGHTS OF WAY STA. 1167+00 TO STA. 1184+00

WEST BANK AND VICINITY, NEW ORLEANS, LOUISIANA  
 ENGINEERING AND DESIGN SERVICES REPORT  
 FOR THE ENLARGEMENT OF ALGIERS CANAL INDUSTRIAL REACH, PHASE 2  
 ALGIERS CANAL INDUSTRIAL REACH, PHASE 2  
 ALTERNATIVE 4  
 RIGHTS OF WAY STA. 1167+00 TO STA. 1184+00  
 SHEET IDENTIFICATION  
 R-38







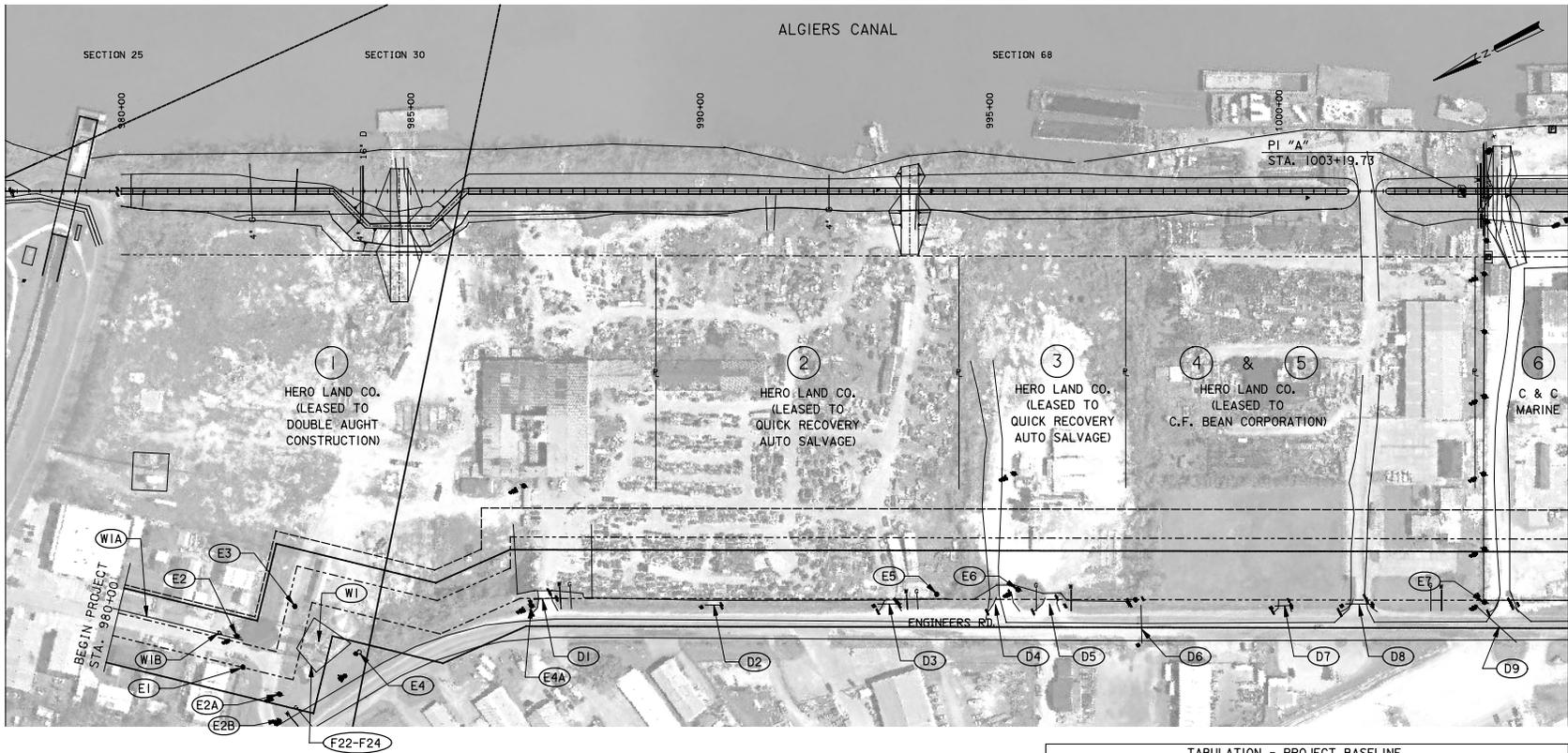












MATCHLINE STA. 1005+00

TOTAL ACRES THIS ALTERNATE	ACRES
PERPETUAL FLOOD PROTECTION EASEMENT	56.7
REQUIRED TEMPORARY WORK AREA EASEMENT	29.5
PERPETUAL U.G. PILING EASEMENT	78.0
LAYDOWN AREA/ STAGING AREA	.61

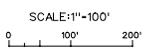
TOTAL ACRES THIS SHEET	ACRES
PERPETUAL FLOOD PROTECTION EASEMENT	5.3
REQUIRED TEMPORARY WORK AREA EASEMENT	3.1
PERPETUAL U.G. PILING EASEMENT	8.0
LAYDOWN AREA/ STAGING AREA	0

TABLE OF TEMPORARY WORK AREA OFFSETS		
P.I.	STA. B/L	OFFSET
1	980+00.00	679.58' RT
2	982+30.77	734.51' RT
3	982+66.96	586.72' RT
4	985+41.30	653.90' RT
5	986+21.95	618.01' RT
6	986+21.95	546.85' RT

TABULATION - PROJECT BASELINE				
	DISTANCE	AZIMUTH (N)	NORTHING	EASTING
P.O.B.	2506.43	206°48'23.95"	501376.24	3700283.52
P.I. "A"			499139.16	3699153.16

NOTE: ALL SERVICES ARE APPROXIMATE.

- LEGEND**
- P — EXISTING PROPERTY LINES
  - - - - - EXISTING RIGHT-OF-WAY
  - - - - - EXISTING LEVEE
  - BASELINE
  - - - - - REQUIRED TEMPORARY WORK AREA EASEMENT
  - - - - - REQUIRED PERPETUAL UNDERGROUND PILING EASEMENT
  - - - - - REQUIRED ROAD RIGHT-OF-WAY



- NOTES:**
- EXISTING TOE OF LEVEE SHOWN IS BASED UPON 2007 ALGIERS LEVEE ENLARGEMENT DESIGN PLANS.
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**URS**  
U.S. Army Corps of Engineers  
New Orleans District

DATE:	DESIGNED BY:	PROJECT NO.:	DATE:	DATE:
PROJECT NO.:	DATE:	PROJECT NO.:	DATE:	DATE:
PROJECT NO.:	DATE:	PROJECT NO.:	DATE:	DATE:

**URS**  
U.S. Army Corps of Engineers  
New Orleans District

**ALGIERS CANAL INDUSTRIAL REACH, PHASE 2**  
ALTERNATIVE 6  
RIGHTS OF WAY STA. 980+00 TO STA. 1005+00

**SHEET IDENTIFICATION**  
R-47































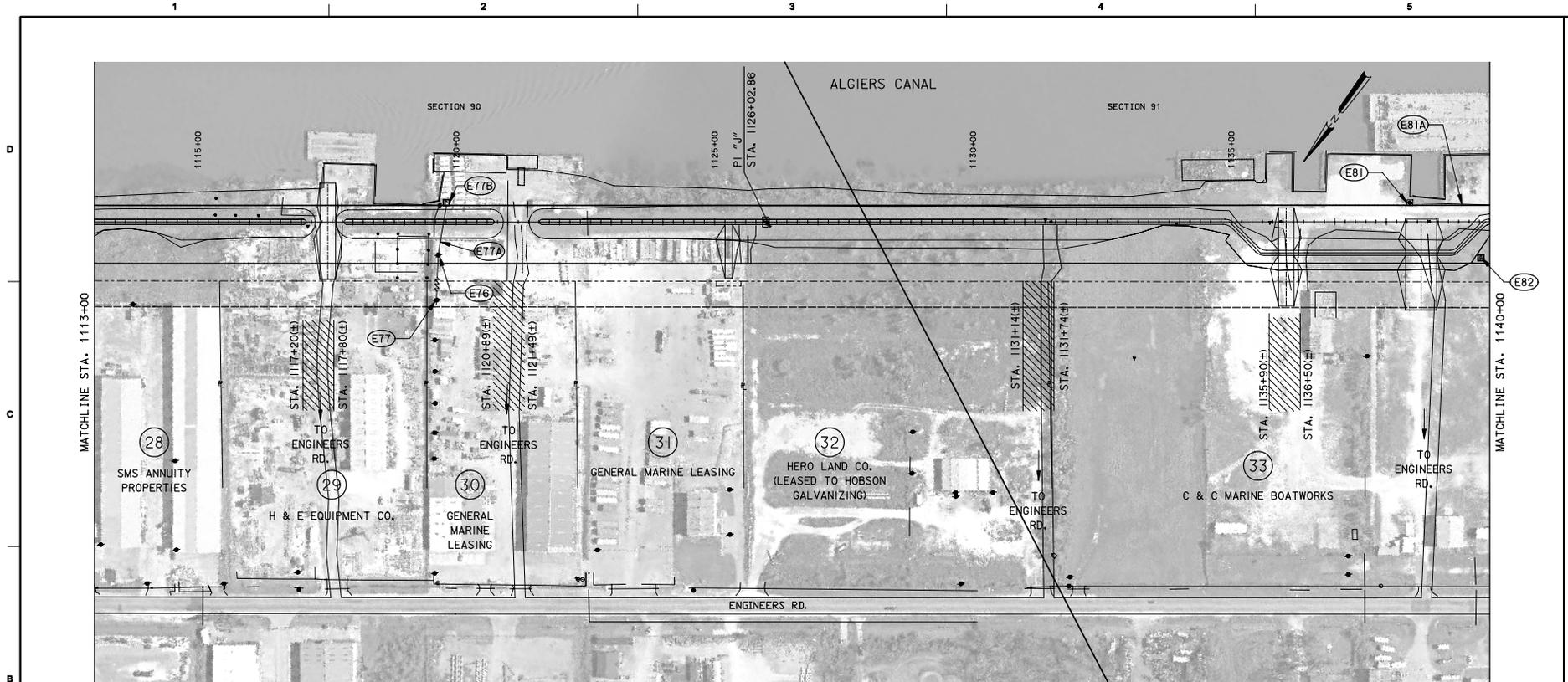












TOTAL ACRES THIS SHEET	
	ACRES
PERPETUAL FLOOD PROTECTION EASEMENT *	0
REQUIRED TEMPORARY WORK AREA EASEMENT	3.1
PERPETUAL U.G. PILING EASEMENT *	0
LAYDOWN AREA/ STAGING AREA	0
ACCESS ROAD SERVITUDE	3.0

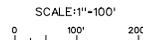
\* NOTE: PERPETUAL FLOOD PROTECTION EASEMENT AND UNDERGROUND PILING EASEMENT ARE WITHIN EXISTING R.O.W.

TABLE OF TEMPORARY WORK AREA OFFSETS		
P.I.	STA. B/L	OFFSET
37	1114+27.96	163.95' RT
38	1117+03.06	164.13' RT
39	1118+16.83	164.21' RT
40	1125+16.26	164.66' RT
41	1125+63.57	164.67' RT
42	1135+73.22	165.85' RT
43	1136+63.87	165.96' RT
44	1138+20.03	166.14' RT
45	1139+40.07	166.28' RT

TABULATION - PROJECT BASELINE				
	DISTANCE	AZIMUTH (N)	NORTHING	EASTING
P.I. "J"	3390.53	233° 42' 39.20"	489998.73	3691382.62

NOTE: ALL SERVICES ARE APPROXIMATE.

- LEGEND**
- EXISTING PROPERTY LINES
  - EXISTING RIGHT-OF-WAY
  - EXISTING LEVEE
  - BASELINE
  - REQUIRED TEMPORARY WORK AREA EASEMENT
  - REQUIRED PERPETUAL UNDERGROUND PILING EASEMENT
  - REQUIRED PERPETUAL FLOOD PROTECTION EASEMENT
  - 60' TEMPORARY ACCESS CORRIDOR



- NOTES:**
- EXISTING TOE OF LEVEE SHOWN IS BASED UPON 2007 ALGIERS LEVEE ENLARGEMENT DESIGN PLANS.
  - PROPERTY LINES ARE SHOWN IN APPROXIMATE LOCATIONS ONLY.
  - THE EXISTENCE AND LOCATION OF UNDERGROUND UTILITIES IN THIS AREA HAVE BEEN DETERMINED TO THE BEST OF THE KNOWLEDGE OF THE PRESENT OWNERS OF THE PROPERTIES AND ARE APPROXIMATE.
  - THE OWNERS SHOWN ARE THE KNOWN OWNERS AS OF THE DATE SHOWN ON THIS DRAWING AND ARE NOT WARRANTED TO BE CORRECT AT ANY TIME AFTER THIS DATE. THE CONTRACTOR SHALL VERIFY CURRENT OWNERSHIP PRIOR TO CONSTRUCTION.

US Army Corps of Engineers  
NEW ORLEANS DISTRICT

NO.	DATE	DESCRIPTION	DATE	APPROVAL

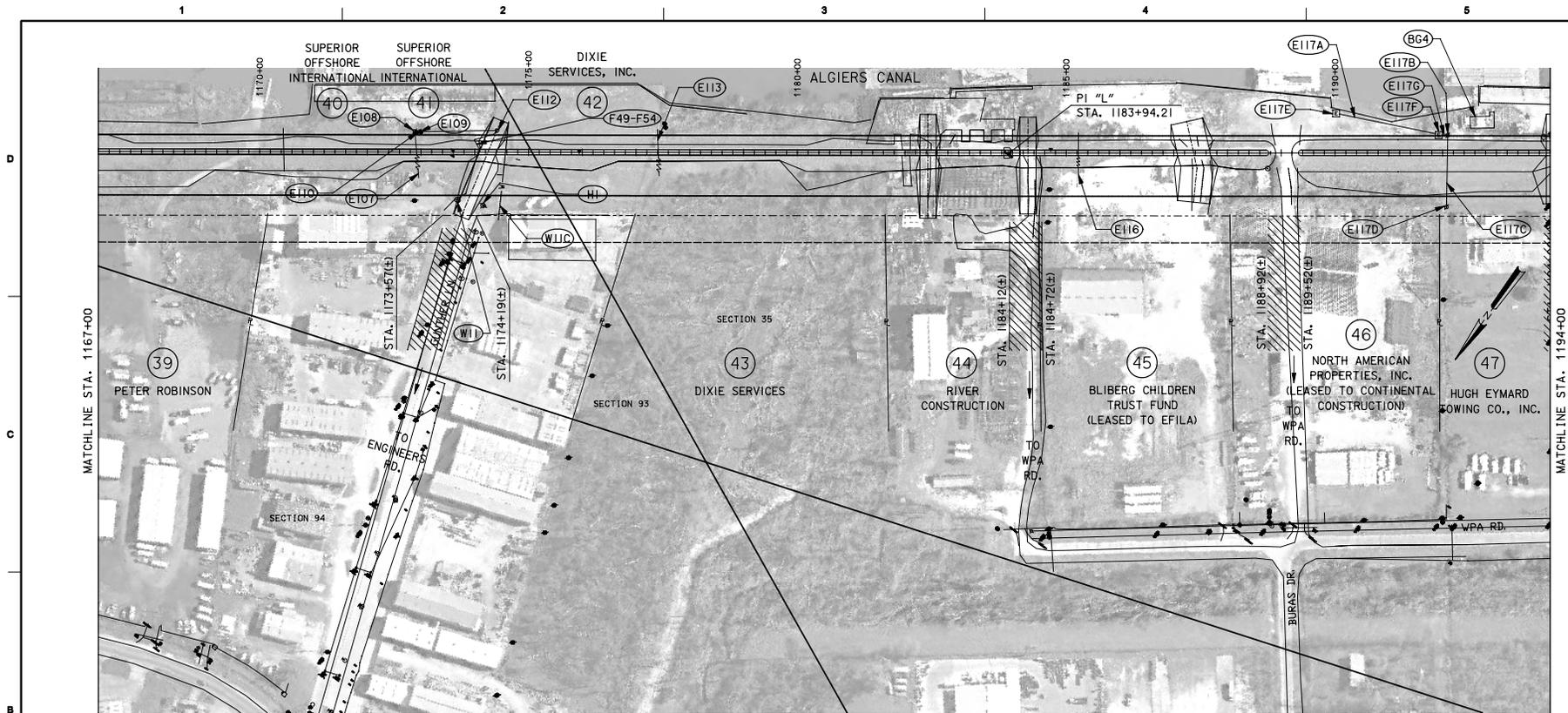
DATE: 10/20/2011  
 DESIGNED BY: J. J. ...  
 CHECKED BY: ...  
 DRAWN BY: ...  
 PLOT SCALE: ...  
 FILE NAME: ...

U.S. ARMY CORPS OF ENGINEERS  
 NEW ORLEANS DISTRICT  
 NEW ORLEANS, LOUISIANA  
 PROJECT NO. ...  
 SHEET NO. ...  
 PROJECT TITLE: ...

WEST BANK AND VICINITY, NEW ORLEANS, LOUISIANA  
 ENGINEERING ALTERNATIVE REPORT  
 FOR THE ENLARGEMENT OF ALGIERA PROTECTION  
 ALGIERS CANAL INDUSTRIAL REACH, PHASE 2  
 ALTERNATIVE 6  
 RIGHTS OF WAY STA. 1113+00 TO STA. 1140+00

**SHEET IDENTIFICATION**  
**R-68**





MATCHLINE STA. 1167+00

MATCHLINE STA. 1194+00

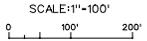
TOTAL ACRES THIS SHEET	ACRES
PERPETUAL FLOOD PROTECTION EASEMENT *	0
REQUIRED TEMPORARY WORK AREA EASEMENT	3.1
PERPETUAL U.G. PILING EASEMENT *	0
LAYDOWN AREA/ STAGING AREA	0
ACCESS ROAD SERVITUDE	2.9

\* NOTE: PERPETUAL FLOOD PROTECTION EASEMENT AND UNDERGROUND PILING EASEMENT ARE WITHIN EXISTING R.O.W.

TABLE OF TEMPORARY WORK AREA OFFSETS		
P.I.	STA. B/L	OFFSET
48	1173+54.05	167.70' RT
49	1174+28.05	167.63' RT
50	1184+89.83	166.85' RT

TABULATION - PROJECT BASELINE				
	DISTANCE	AZIMUTH (N)	NORTHING	EASTING
P.I. "L"	2280.51	233°47'49.17"	486572.32	3686713.64

- NOTES:
- EXISTING TOE OF LEVEE SHOWN IS BASED UPON 2007 ALGIERS LEVEE ENLARGEMENT DESIGN PLANS.
  - PROPERTY LINES ARE SHOWN IN APPROXIMATE LOCATIONS ONLY.
  - THE EXISTENCE AND LOCATION OF UNDERGROUND UTILITIES IN THIS AREA HAVE BEEN DETERMINED TO THE BEST OF THE KNOWLEDGE OF THE PRESENT OWNERS OF THE PROPERTIES AND ARE APPROXIMATE.
  - THE OWNERS SHOWN ARE THE KNOWN OWNERS AS OF THE DATE SHOWN ON THIS DRAWING AND ARE NOT WARRANTED TO BE CORRECT AT ANY TIME AFTER THIS DATE. THE CONTRACTOR SHALL VERIFY CURRENT OWNERSHIP PRIOR TO CONSTRUCTION.



- NOTE: ALL SERVICES ARE APPROXIMATE.
- LEGEND**
- EXISTING PROPERTY LINES
  - EXISTING RIGHT-OF-WAY
  - EXISTING LEVEE
  - BASELINE
  - REQUIRED TEMPORARY WORK AREA EASEMENT
  - REQUIRED PERPETUAL UNDERGROUND PILING EASEMENT
  - REQUIRED PERPETUAL FLOOD PROTECTION EASEMENT
  - 60' TEMPORARY ACCESS CORRIDOR

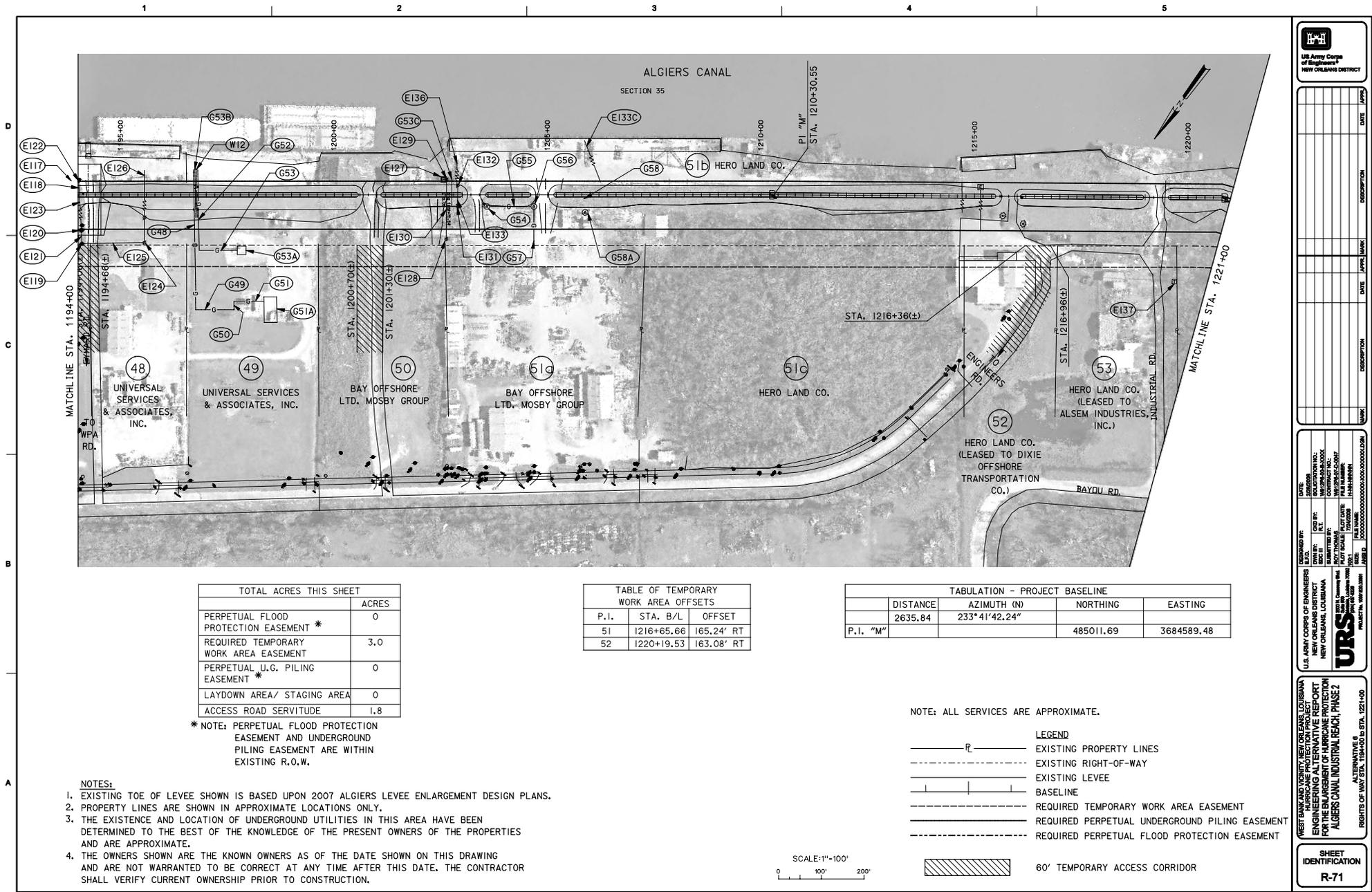


NO.	DATE	APPROVAL	DESCRIPTION

DATE: 10/20/2011  
 DESIGNED BY: J. J. BROWN  
 DRAWN BY: J. J. BROWN  
 CHECKED BY: J. J. BROWN  
 IN CHARGE: J. J. BROWN  
 PROJECT NO.: 11164-00  
 SHEET NO.: R-70  
 URS  
 URS CORPORATION  
 10000 DOWNSBORO ROAD  
 SUITE 100  
 NEW ORLEANS, LOUISIANA 70118  
 PHONE: (504) 835-7000  
 FAX: (504) 835-7001  
 WWW.URS.COM

WEST BANK AND VICINITY, NEW ORLEANS, LOUISIANA  
 ENGINEERING ALTERNATIVE 6 REPORT  
 FOR THE ENLARGEMENT OF ALGIERS PROTECTION  
 ALGIERS CANAL INDUSTRIAL REACH, PHASE 2  
 ALTERNATIVE 6  
 RIGHTS OF WAY STA. 1167+00 TO STA. 1184+00

SHEET IDENTIFICATION  
**R-70**



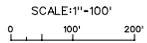
TOTAL ACRES THIS SHEET	
	ACRES
PERPETUAL FLOOD PROTECTION EASEMENT *	0
REQUIRED TEMPORARY WORK AREA EASEMENT	3.0
PERPETUAL U.G. PILING EASEMENT *	0
LAYDOWN AREA/ STAGING AREA	0
ACCESS ROAD SERVIDUDE	1.8

\* NOTE: PERPETUAL FLOOD PROTECTION EASEMENT AND UNDERGROUND PILING EASEMENT ARE WITHIN EXISTING R.O.W.

TABLE OF TEMPORARY WORK AREA OFFSETS		
P.I.	STA. B/L	OFFSET
51	1216+65.66	165.24' RT
52	1220+19.53	163.08' RT

TABULATION - PROJECT BASELINE				
	DISTANCE	AZIMUTH (N)	NORTHING	EASTING
P.I. "M"	2635.84	233° 41' 42.24"	485011.69	3684589.48

- NOTES:
- EXISTING TOE OF LEVEE SHOWN IS BASED UPON 2007 ALGIERS LEVEE ENLARGEMENT DESIGN PLANS.
  - PROPERTY LINES ARE SHOWN IN APPROXIMATE LOCATIONS ONLY.
  - THE EXISTENCE AND LOCATION OF UNDERGROUND UTILITIES IN THIS AREA HAVE BEEN DETERMINED TO THE BEST OF THE KNOWLEDGE OF THE PRESENT OWNERS OF THE PROPERTIES AND ARE APPROXIMATE.
  - THE OWNERS SHOWN ARE THE KNOWN OWNERS AS OF THE DATE SHOWN ON THIS DRAWING AND ARE NOT WARRANTED TO BE CORRECT AT ANY TIME AFTER THIS DATE. THE CONTRACTOR SHALL VERIFY CURRENT OWNERSHIP PRIOR TO CONSTRUCTION.



- NOTE: ALL SERVICES ARE APPROXIMATE.
- LEGEND**
- EXISTING PROPERTY LINES
  - EXISTING RIGHT-OF-WAY
  - EXISTING LEVEE
  - BASELINE
  - REQUIRED TEMPORARY WORK AREA EASEMENT
  - REQUIRED PERPETUAL UNDERGROUND PILING EASEMENT
  - REQUIRED PERPETUAL FLOOD PROTECTION EASEMENT
  - 60' TEMPORARY ACCESS CORRIDOR

US Army Corps of Engineers  
NEW ORLEANS DISTRICT

NO.	DATE	DESCRIPTION

DESIGNED BY: [blank] CHECKED BY: [blank] DATE: [blank]

DRAWN BY: [blank] PLOTTED BY: [blank] DATE: [blank]

SCALE: [blank] FILE NAME: [blank]

PROJECT NO.: [blank] SHEET NO.: [blank]

SHEET IDENTIFICATION

R-71















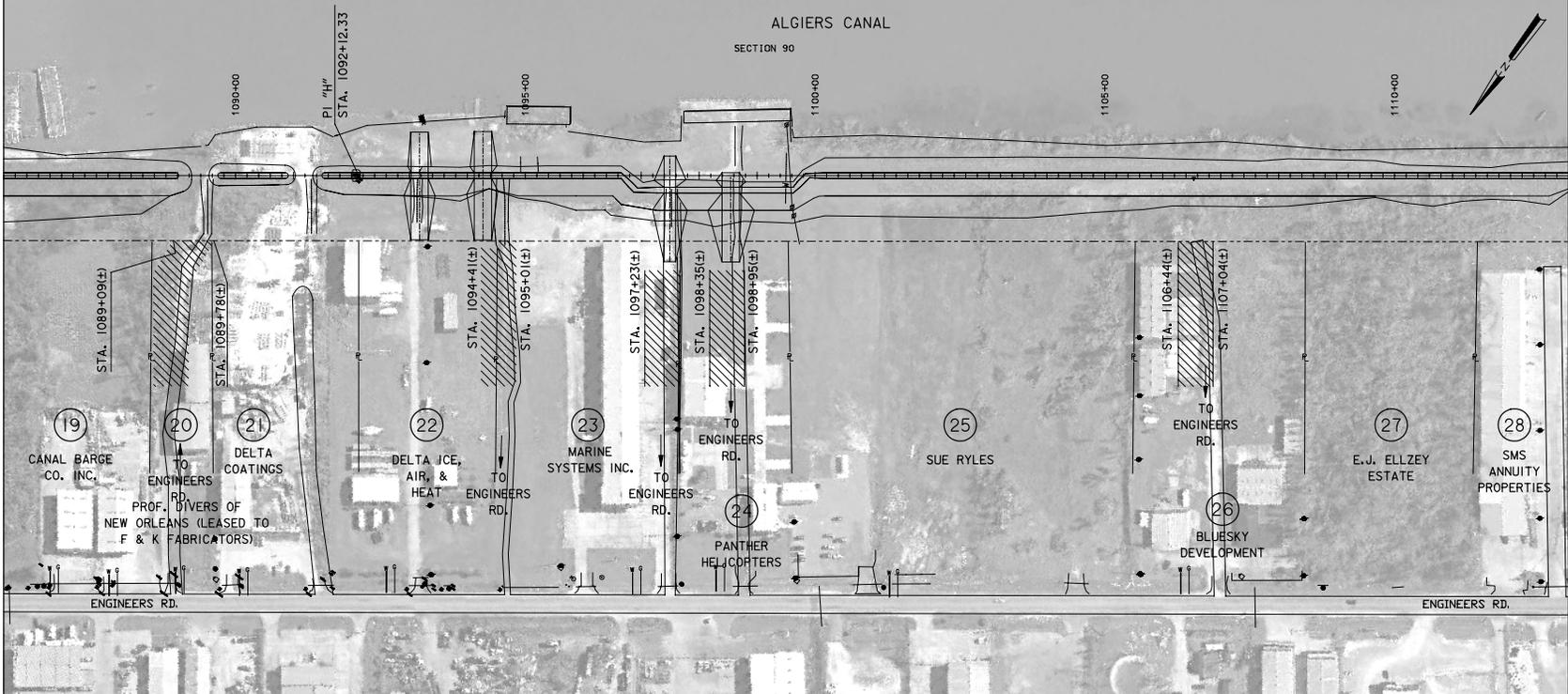






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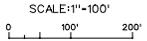
MATCHLINE STA. 1086+00

MATCHLINE STA. 1113+00

TOTAL ACRES PER SHEET	
	ACRES
PERPETUAL FLOOD PROTECTION EASEMENT	0
REQUIRED TEMPORARY WORK AREA EASEMENT	0
ACCESS ROAD SERVITUDE	4.1
LAYDOWN AREA/ STAGING AREA	0

TABULATION - PROJECT BASELINE				
	DISTANCE	AZIMUTH (N)	NORTHING	EASTING
P.I. "H"	1584.42	233° 41' 28.32"	492005.45	3694115.53

- NOTES:
- EXISTING TOE OF LEVEE SHOWN IS BASED UPON 2007 ALGIERS LEVEE ENLARGEMENT DESIGN PLANS.
  - PROPERTY LINES ARE SHOWN IN APPROXIMATE LOCATIONS ONLY.
  - THE EXISTENCE AND LOCATION OF UNDERGROUND UTILITIES IN THIS AREA HAVE BEEN DETERMINED TO THE BEST OF THE KNOWLEDGE OF THE PRESENT OWNERS OF THE PROPERTIES AND ARE APPROXIMATE.
  - THE OWNERS SHOWN ARE THE KNOWN OWNERS AS OF THE DATE SHOWN ON THIS DRAWING AND ARE NOT WARRANTED TO BE CORRECT AT ANY TIME AFTER THIS DATE. THE CONTRACTOR SHALL VERIFY CURRENT OWNERSHIP PRIOR TO CONSTRUCTION.



- NOTE: ALL SERVICES ARE APPROXIMATE.
- LEGEND**
- EXISTING PROPERTY LINES
  - EXISTING RIGHT-OF-WAY
  - EXISTING LEVEE
  - BASELINE
  - REQUIRED TEMPORARY WORK AREA EASEMENT
  - REQUIRED PERPETUAL UNDERGROUND PILING EASEMENT
  - REQUIRED PERPETUAL FLOOD PROTECTION EASEMENT
  - 60' TEMPORARY ACCESS CORRIDOR



DATE	DESCRIPTION	DATE	DESCRIPTION

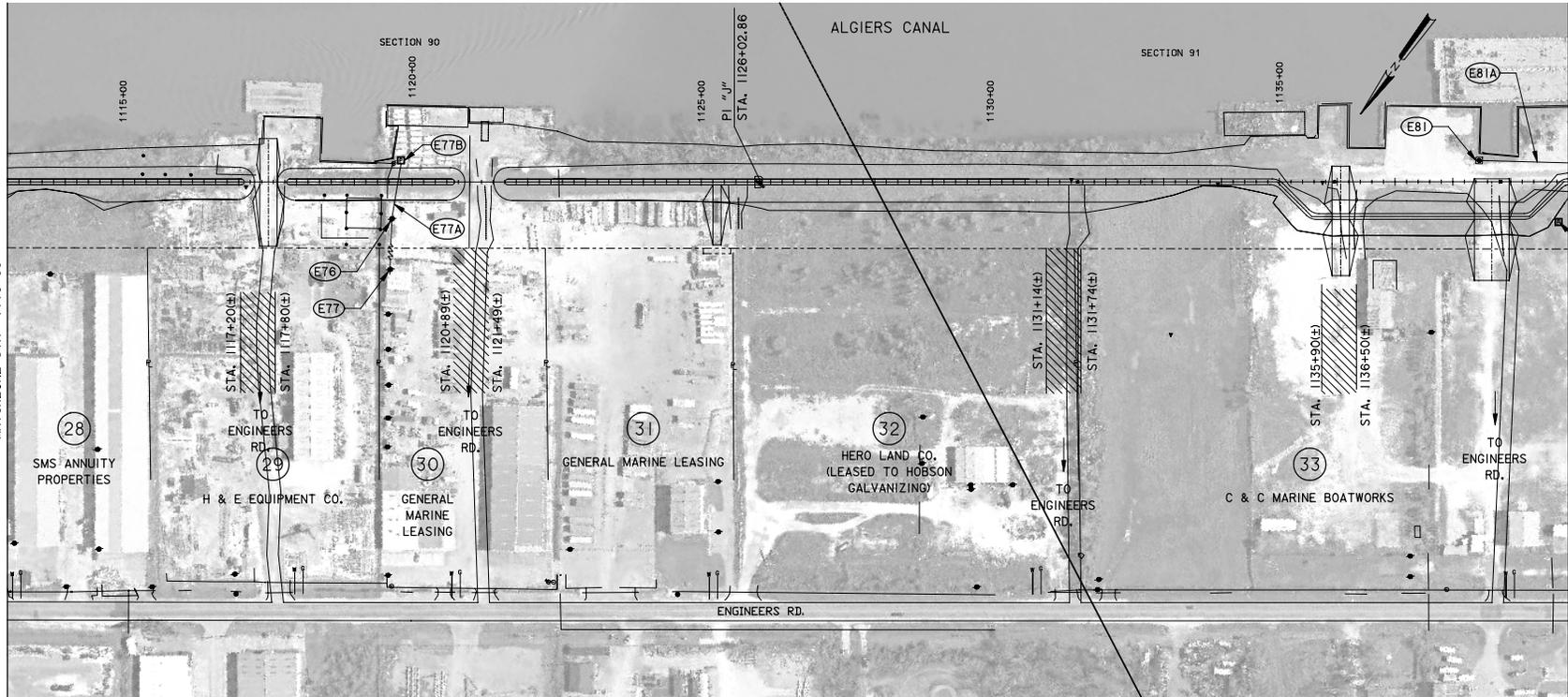
DATE: 10/20/2011  
 DESIGNED BY: JMM  
 CHECKED BY: JMM  
 DRAWN BY: JMM  
 PROJECT NO.: 1113-00  
 SHEET NO.: R-82  
 URS  
 URS CORPORATION  
 200 WEST WASHINGTON AVENUE  
 SUITE 2000  
 NEW ORLEANS, LOUISIANA 70119-1089  
 PHONE: (504) 586-4000  
 FAX: (504) 586-4001  
 WWW.URS.COM

WEST BANK AND VICINITY, NEW ORLEANS, LOUISIANA  
 ENGINEERING ALTERNATIVE REPORT  
 FOR THE ENLARGEMENT OF ALGIER CANAL PROTECTION  
 ALGIER CANAL INDUSTRIAL REACH, PHASE 2  
 ALTERNATIVE 7  
 RIGHTS OF WAY STA. 1086+00 TO STA. 1113+00

SHEET IDENTIFICATION  
**R-82**

D  
C  
B  
A

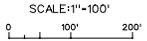
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TOTAL ACRES PER SHEET	
	ACRES
PERPETUAL FLOOD PROTECTION EASEMENT	0
REQUIRED TEMPORARY WORK AREA EASEMENT	0
ACCESS ROAD SERVITUDE	3.3
LAYDOWN AREA/ STAGING AREA	0

TABULATION - PROJECT BASELINE				
	DISTANCE	AZIMUTH (N)	NORTHING	EASTING
P.I. "J"	3390.53	233°42'39.20"	489998.73	3691382.62

- NOTES:
- EXISTING TOE OF LEVEE SHOWN IS BASED UPON 2007 ALGIERS LEVEE ENLARGEMENT DESIGN PLANS.
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- NOTE: ALL SERVICES ARE APPROXIMATE.
- LEGEND**
- EXISTING PROPERTY LINES
  - EXISTING RIGHT-OF-WAY
  - EXISTING LEVEE
  - BASELINE
  - REQUIRED TEMPORARY WORK AREA EASEMENT
  - REQUIRED PERPETUAL UNDERGROUND PILING EASEMENT
  - REQUIRED PERPETUAL FLOOD PROTECTION EASEMENT
  - 60' TEMPORARY ACCESS CORRIDOR



DATE	APPROVAL	DESCRIPTION

U.S. ARMY CORPS OF ENGINEERS  
 NEW ORLEANS DISTRICT  
 NEW ORLEANS, LOUISIANA

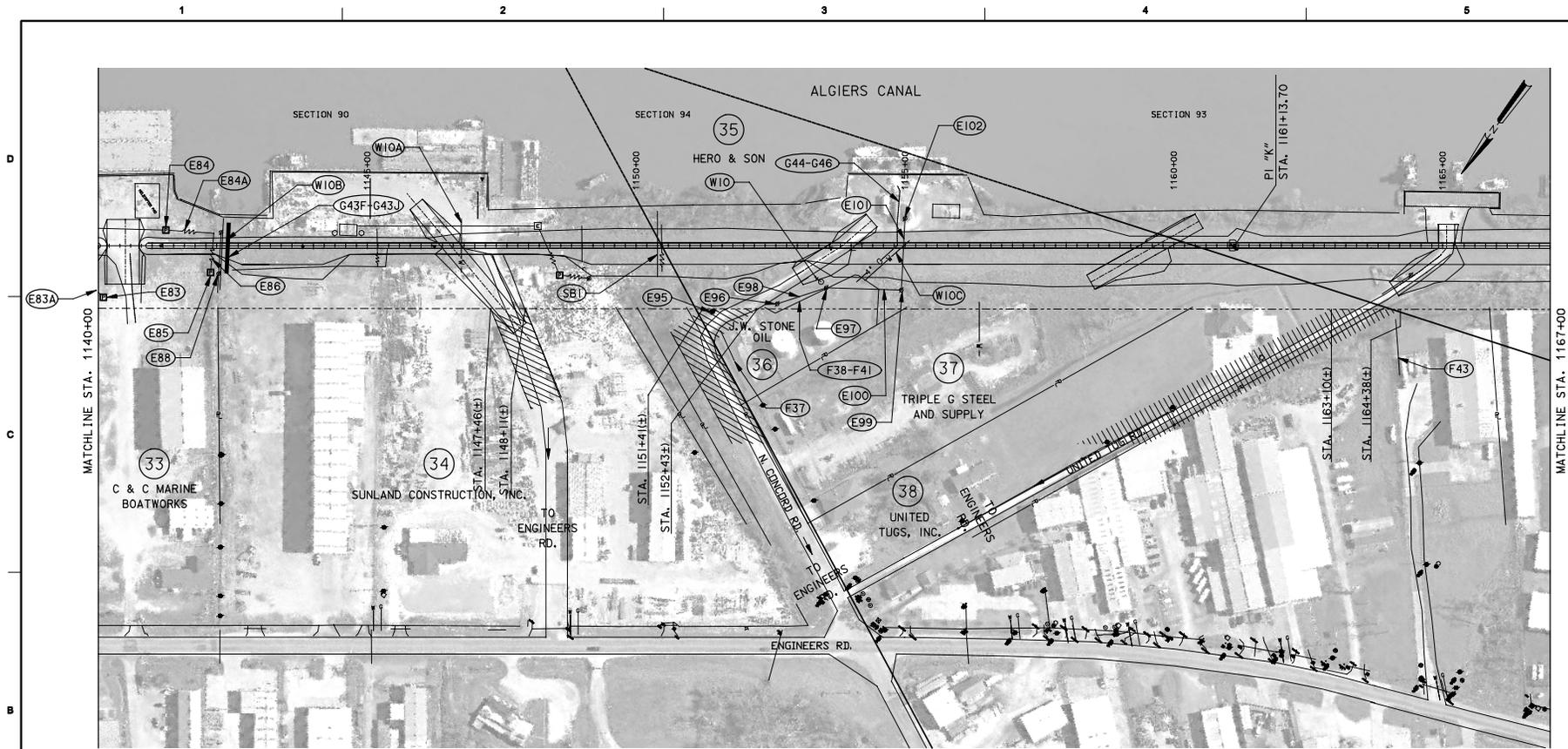
PROJECT NO. 1115-0-000  
 DRAWING NO. 1115-0-000-000  
 SHEET NO. R-83

DATE: 11/15/2007  
 DESIGNED BY: J. J. ...  
 CHECKED BY: ...  
 DRAWN BY: ...  
 PLOT DATE: 11/15/2007  
 PLOT SCALE: 1"=100'  
 FILE NAME: ...

WEST BANK AND VICINITY, NEW ORLEANS, LOUISIANA  
 ENGINEERING AND SURVEYING REPORT  
 FOR THE ENLARGEMENT OF ALGIERA PROTECTION  
 ALGIERS CANAL INDUSTRIAL REACH, PHASE 2

ALTERNATIVE 7  
 RIGHTS OF WAY STA. 1115+00 TO STA. 1140+00

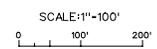
SHEET IDENTIFICATION  
**R-83**



TOTAL ACRES PER SHEET	
	ACRES
PERPETUAL FLOOD PROTECTION EASEMENT	0
REQUIRED TEMPORARY WORK AREA EASEMENT	0
ACCESS ROAD SERVITUDE	3.6
LAYDOWN AREA/ STAGING AREA	0

TABULATION - PROJECT BASELINE				
	DISTANCE	AZIMUTH (N)	NORTHING	EASTING
P.I. "K"	3510.84	233° 40' 49.24"	487919.30	3688553.85

- NOTES:
- EXISTING TOE OF LEVEE SHOWN IS BASED UPON 2007 ALGIERS LEVEE ENLARGEMENT DESIGN PLANS.
  - PROPERTY LINES ARE SHOWN IN APPROXIMATE LOCATIONS ONLY.
  - THE EXISTENCE AND LOCATION OF UNDERGROUND UTILITIES IN THIS AREA HAVE BEEN DETERMINED TO THE BEST OF THE KNOWLEDGE OF THE PRESENT OWNERS OF THE PROPERTIES AND ARE APPROXIMATE.
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- NOTE: ALL SERVICES ARE APPROXIMATE.
- LEGEND**
- EXISTING PROPERTY LINES
  - EXISTING RIGHT-OF-WAY
  - EXISTING LEVEE
  - BASELINE
  - REQUIRED TEMPORARY WORK AREA EASEMENT
  - REQUIRED PERPETUAL UNDERGROUND PILING EASEMENT
  - REQUIRED PERPETUAL FLOOD PROTECTION EASEMENT
  - 60' TEMPORARY ACCESS CORRIDOR



DATE	APPROVAL	DESCRIPTION

U.S. ARMY CORPS OF ENGINEERS  
 NEW ORLEANS DISTRICT  
 NEW ORLEANS, LOUISIANA

DESIGNED BY: [ ]  
 DRAWN BY: [ ]  
 CHECKED BY: [ ]  
 DATE: [ ]

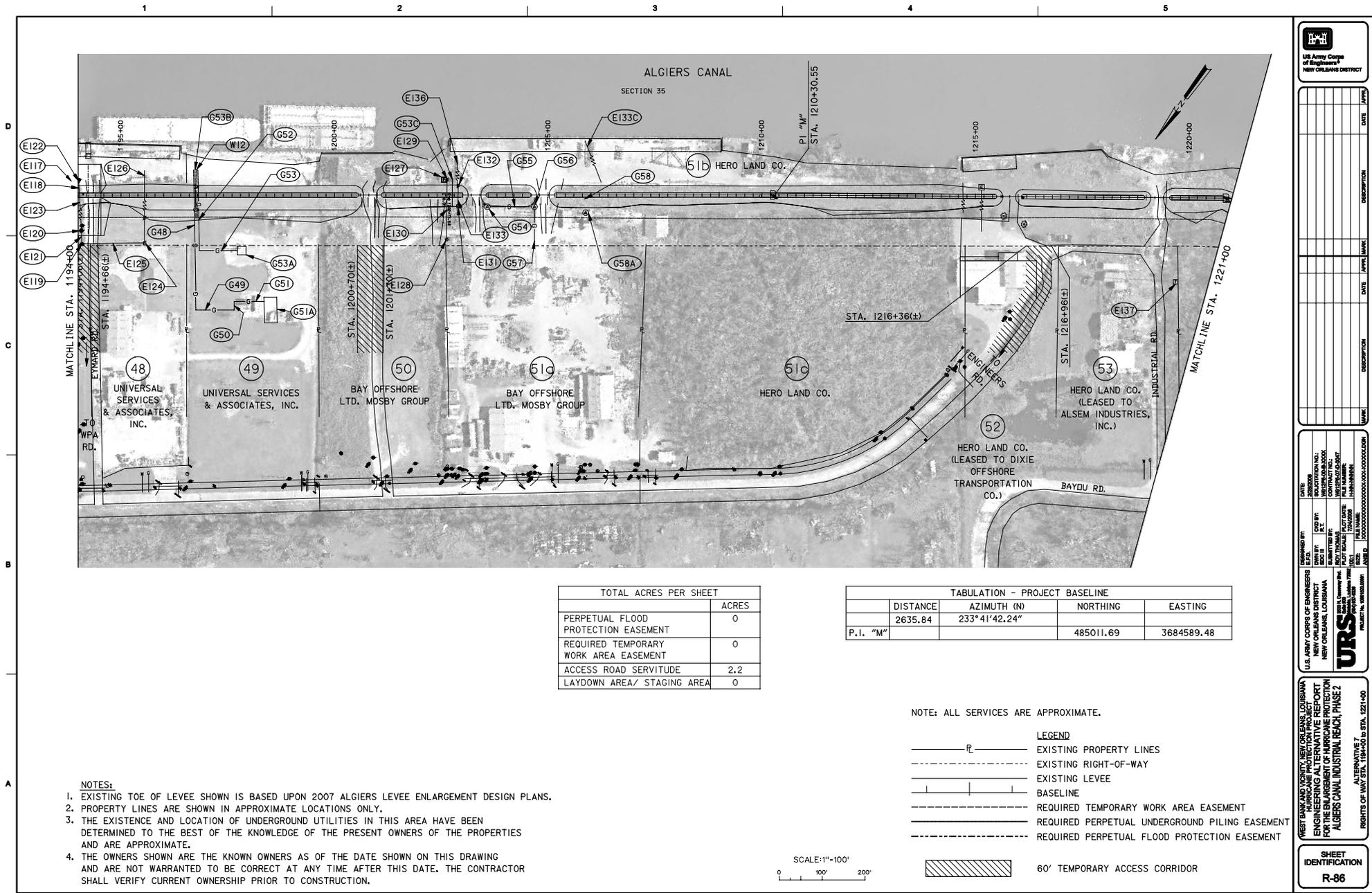
PROJECT NO. [ ]  
 SHEET NO. [ ]

**URS**

WEST BANK AND VICINITY, NEW ORLEANS, LOUISIANA  
 ENGINEERING AND ARCHITECTURAL REPORT  
 FOR THE EMERGENCY AIRCRAFT PROTECTION  
 ALGIERS CANAL INDUSTRIAL REACH, PHASE 2  
 ALTERNATIVE 7  
 RIGHTS-OF-WAY STA. 11540+00 TO STA. 1167+00

**SHEET IDENTIFICATION**  
**R-84**

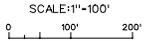




TOTAL ACRES PER SHEET	
	ACRES
PERPETUAL FLOOD PROTECTION EASEMENT	0
REQUIRED TEMPORARY WORK AREA EASEMENT	0
ACCESS ROAD SERVITUDE	2.2
LAYDOWN AREA/ STAGING AREA	0

TABULATION - PROJECT BASELINE				
	DISTANCE	AZIMUTH (N)	NORTHING	EASTING
P.L. "M"	2635.84	233° 41' 42.24"	485011.69	3684589.48

- NOTES:**
- EXISTING TOE OF LEVEE SHOWN IS BASED UPON 2007 ALGIERS LEVEE ENLARGEMENT DESIGN PLANS.
  - PROPERTY LINES ARE SHOWN IN APPROXIMATE LOCATIONS ONLY.
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- LEGEND**
- EXISTING PROPERTY LINES
  - EXISTING RIGHT-OF-WAY
  - EXISTING LEVEE
  - BASELINE
  - REQUIRED TEMPORARY WORK AREA EASEMENT
  - REQUIRED PERPETUAL UNDERGROUND PILING EASEMENT
  - REQUIRED PERPETUAL FLOOD PROTECTION EASEMENT
  - 60' TEMPORARY ACCESS CORRIDOR

US Army Corps of Engineers  
NEW ORLEANS DISTRICT

DATE	DESCRIPTION	DATE	APPROVAL	DATE	DESCRIPTION

DESIGNED BY: [ ] CHECKED BY: [ ] DATE: [ ]

DRAWN BY: [ ] DATE: [ ]

PROJECT NO.: [ ]

PROJECT NAME: [ ]

SCALE: [ ]

DATE: [ ]

PROJECT NO.: [ ]

PROJECT NAME: [ ]

SCALE: [ ]

DATE: [ ]

U.S. ARMY CORPS OF ENGINEERS  
NEW ORLEANS DISTRICT  
NEW ORLEANS, LOUISIANA

**URS**  
CORPORATION  
1000 POND HAVEN DRIVE  
HOUSTON, TEXAS 77066

PROJECT NO. [ ]

ALTERNATIVE 7  
RIGHTS OF WAY STA. 1194+00 TO STA. 1221+00

WEST BANK AND VICINITY, NEW ORLEANS, LOUISIANA  
ENGINEERING AND ARCHITECTURAL REPORT  
FOR THE ENLARGEMENT OF ALGIERS CANAL PROTECTION  
ALGIERS CANAL INDUSTRIAL REACH, PHASE 2

SHEET IDENTIFICATION  
**R-86**

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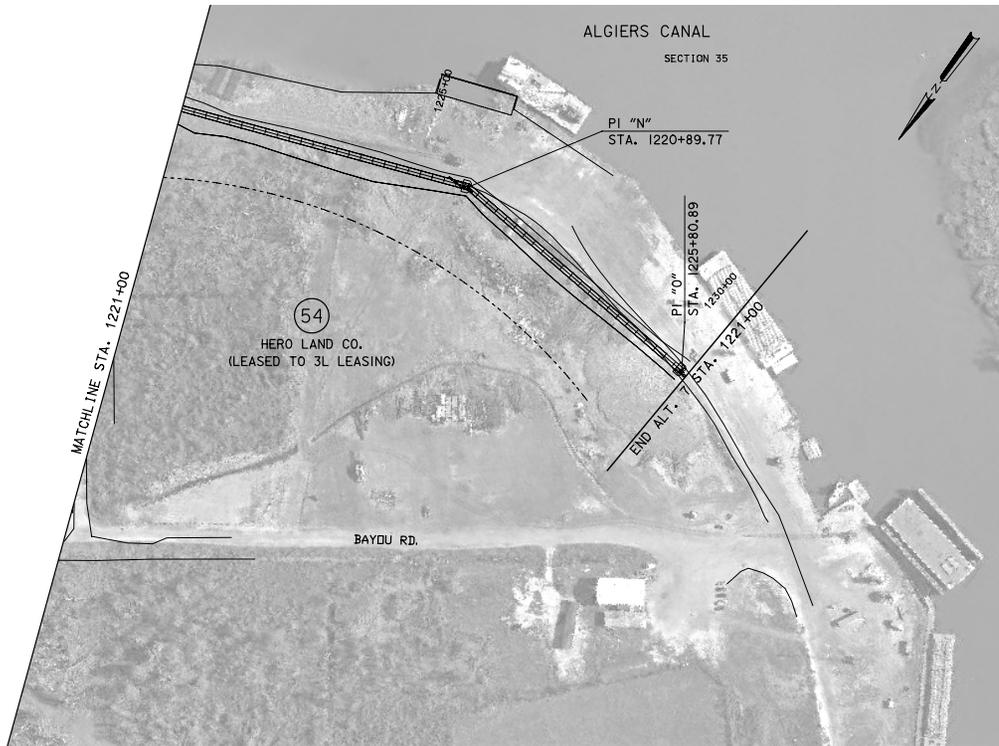
5

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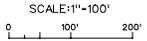


TOTAL ACRES PER SHEET	
	ACRES
PERPETUAL FLOOD PROTECTION EASEMENT	0
REQUIRED TEMPORARY WORK AREA EASEMENT	0
ACCESS ROAD SERVITUDE	0
LAYDOWN AREA/ STAGING AREA	0

TABULATION - PROJECT BASELINE				
	DISTANCE	AZIMUTH (N)	NORTHING	EASTING
	1059.72	234°05'45.99"	501376.24	3700283.52
P.I. "N"	491.13	248°59'40.96"	484390.24	3683731.11
P.I. "O"	455.91	274°28'08.54"	484214.19	3683272.62
P.O.E.			484249.72	3682818.09

NOTE: ALL SERVICES ARE APPROXIMATE.

- NOTES:
- EXISTING TOE OF LEVEE SHOWN IS BASED UPON 2007 ALGIERS LEVEE ENLARGEMENT DESIGN PLANS.
  - PROPERTY LINES ARE SHOWN IN APPROXIMATE LOCATIONS ONLY.
  - THE EXISTENCE AND LOCATION OF UNDERGROUND UTILITIES IN THIS AREA HAVE BEEN DETERMINED TO THE BEST OF THE KNOWLEDGE OF THE PRESENT OWNERS OF THE PROPERTIES AND ARE APPROXIMATE.
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- LEGEND**
- EXISTING PROPERTY LINES
  - EXISTING RIGHT-OF-WAY
  - EXISTING LEVEE
  - BASELINE
  - REQUIRED TEMPORARY WORK AREA EASEMENT
  - REQUIRED PERPETUAL UNDERGROUND PILING EASEMENT
  - REQUIRED PERPETUAL FLOOD PROTECTION EASEMENT
  - 60' TEMPORARY ACCESS CORRIDOR



DATE	DESCRIPTION	DATE	APPROVAL	DATE	APPROVAL

DESIGNED BY: URS  
 DRAWN BY: URS  
 CHECKED BY: URS  
 DATE: 11/11/11  
 PROJECT NO.: 1221+00  
 SHEET NO.: R-87

WEST BANK AND VICINITY, NEW ORLEANS, LOUISIANA  
 ENGINEERING AND ARCHITECTURAL REPORT  
 FOR THE ENLARGEMENT OF ALGIERS CANAL PROTECTION  
 ALGIERS CANAL INDUSTRIAL REACH, PHASE 2  
 ALTERNATIVE 6  
 RIGHTS OF WAY STA. 1221+00 TO STA. 1230+00

**SHEET IDENTIFICATION**  
**R-87**









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EXISTING FACILITIES						
ITEM	DESCRIPTION	STATION *	OFFSET*	OWNER	CONTACT	DISPOSITION
E136	ELECTRIC LINE	1202+87.44	16.20 LT.	ENTERGY	SIDNEY GUY JOHNSON (504)365-3626	TO BE REMOVED AND RELOCATED
G48	UNDERGROUND NITROGEN LINE	1202+87.31	73.53 LT.	UNIVERSAL SERVICES & ASSOCIATES, INC.	FRANCIS GAINEY (504)393-7716	TO BE REMOVED AND RELOCATED
		1196+75.00(±)	269.00 RT.			
G49	UNDERGROUND NITROGEN LINE	1196+70.00(±)	59.00 LT.	UNIVERSAL SERVICES & ASSOCIATES, INC.	FRANCIS GAINEY (504)393-7716	TO BE RELOCATED
		1196+75.00(±)	269.00 RT.			
G50	UNDERGROUND NITROGEN LINE	1197+65.00(±)	269.00 RT.	UNIVERSAL SERVICES & ASSOCIATES, INC.	FRANCIS GAINEY (504)393-7716	TO BE RELOCATED
		1197+65.00(±)	269.00 RT.			
G51	UNDERGROUND NITROGEN LINE	1197+65.00(±)	249.00 RT.	UNIVERSAL SERVICES & ASSOCIATES, INC.	FRANCIS GAINEY (504)393-7716	TO BE RELOCATED
		1198+35.00(±)	249.00 RT.			
G51A	EXISTING NITROGEN TANK	1198+50.00(±)	239.00 RT.	UNIVERSAL SERVICES & ASSOCIATES, INC.	FRANCIS GAINEY (504)393-7716	TO BE RELOCATED
		1198+50.00(±)	299.00 RT.			
G52	UNDERGROUND FLARE LINE	1196+83.00(±)	130.00 RT.	UNIVERSAL SERVICES & ASSOCIATES, INC.	FRANCIS GAINEY (504)393-7716	TO BE REMOVED AND RELOCATED
		1196+80.00(±)	59.00 LT.			
G53	UNDERGROUND FLARE LINE	1196+83.00(±)	130.00 RT.	UNIVERSAL SERVICES & ASSOCIATES, INC.	FRANCIS GAINEY (504)393-7716	TO BE REMOVED AND RELOCATED
		1197+73.00(±)	130.00 RT.			
G53A	EXISTING FLARE STACK	1197+72.60	85.00 RT.	UNIVERSAL SERVICES & ASSOCIATES, INC.	FRANCIS GAINEY (504)393-7716	TO BE REMOVED AND RELOCATED
		1197+93.51	85.58 RT.			
G53B	UNDERGROUND AIR LINE	1196+75.54(±)	53.89 RT.	UNIVERSAL SERVICES & ASSOCIATES, INC.	FRANCIS GAINEY (504)393-7716	TO BE REMOVED AND RELOCATED
		1196+73.45(±)	59.13 LT.			
G54	AIR MANIFOLD	1203+57.00(±)	27.50 RT.	BAY LTD.	DAVID HYMEL (504)394-7013	TO BE REMOVED AND RELOCATED
G55	AIR SUPPLY LINE	1203+57.00(±)	27.50 RT.	BAY LTD.	DAVID HYMEL (504)394-7013	TO BE REMOVED AND RELOCATED
		1204+68.00(±)	27.50 RT.			
G56	AIR MANIFOLD	1204+68.00(±)	27.50 RT.	BAY LTD.	DAVID HYMEL (504)394-7013	TO BE REMOVED AND RELOCATED
		1204+68.00(±)	27.50 RT.			
G57	AIR SUPPLY LINE	1204+68.00(±)	107.50 RT.	BAY LTD.	DAVID HYMEL (504)394-7013	TO BE REMOVED AND RELOCATED
		1204+68.00(±)	107.50 RT.			
G58A	AIR MANIFOLD	1205+87.60	41.67 RT.	BAY LTD.	DAVID HYMEL (504)394-7013	TO BE REMOVED AND RELOCATED
		1196+78.86(±)	53.33 RT.			
W12	WATER LINE	1196+76.78(±)	59.13 LT.	UNIVERSAL SERVICES & ASSOCIATES, INC.	FRANCIS GAINEY (504)393-7716	TO BE REMOVED AND RELOCATED
		1196+76.78(±)	59.13 LT.			
E137	TRANSFORMER	1219+69.55	196.73 RT.	ALSEM INDUSTRIES, INC.	DOUGLAS ALSEM (504)391-3136	TO BE RELOCATED
E138	OVERHEAD ELECTRIC LINE	1219+69.55	196.73 RT.	ALSEM INDUSTRIES, INC.	DOUGLAS ALSEM (504)391-3136	TO BE RAISED
		1219+64.37	46.37 LT.			
E139	GUY POLE	1219+69.05	57.87 RT.	ALSEM INDUSTRIES, INC.	DOUGLAS ALSEM (504)391-3136	TO BE RELOCATED
E143	TRANSFORMER	1216+83.00(±)	22.50 LT.	DIXIE CARRIERS/ MARINE SPECIALTIES	KENNETH C. BUSH (504)392-7800	TO BE RELOCATED
W14	WATER VALVE	1216+51.94	151.31 RT.	DIXIE CARRIERS/ MARINE SPECIALTIES	KENNETH C. BUSH (504)392-7800	TO BE RELOCATED



US Army Corps of Engineers  
NEW ORLEANS DISTRICT

<div style="display: flex; justify-content: space-between;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">DATE</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">DESCRIPTION</div> </div>	<div style="display: flex; justify-content: space-between;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">DATE</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">DESCRIPTION</div> </div>
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DATE

DESCRIPTION

DESIGNED BY: [ ]  
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 DATE: [ ]  
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 DATE: [ ]  
 SCALE: [ ]  
 FILE NAME: [ ]

U.S. ARMY CORPS OF ENGINEERS  
 NEW ORLEANS DISTRICT  
 NEW ORLEANS, LOUISIANA

**URS**  
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WEST BANK AND VICINITY, NEW ORLEANS, LOUISIANA  
 ENGINEERING ALTERNATIVE REPORT  
 FOR THE ENLARGEMENT OF AURICANE PROTECTION  
 ALGERS CANAL INDUSTRIAL REACH, PHASE 2

ALTERNATIVE 7  
 UTILITY DISPOSITIONS

SHEET IDENTIFICATION  
**R-92**