

## **Appendix A**

### **Construction Plans**

**CONSTRUCTION PLANS**

**JIRR Desire Group A (RR026)**

**Project No. 2016-RR026. RR3 – Desire Group A (PMOPI)**

**Street pavement, sidewalks, accessible ramps, driveways,  
waterlines, curbs, drain lines.**

**Phoenix Global Engineering and Construction, Inc.  
for the City of New Orleans, undated**

INDEX TO SHEETS

SHEET NO.	TITLE
1	TITLE SHEET
2	INDEX SHEET
3	GENERAL NOTES AND LEGEND
4	TYPICAL ROADWAY SECTION AND DETAILS
4.1	TYPICAL ROADWAY SECTION AND DETAILS
5	SUMMARY OF BID ITEMS
6-64	PLAN SHEETS
65	TOTAL

PROJECT BENCH MARKS

N.A.S.D. 1988 (2006.B1). SEE INDEX SHEET FOR A DESCRIPTIONS LOCATING EACH BENCH MARK.

SCHEDULE OF REVISIONS

DATE	REVISION	DATE	REVISION	DATE	REVISION

TYPE OF CONSTRUCTION

- STREET PAVEMENT
- SIDEWALKS
- ACCESSIBLE RAMPS
- DRIVEWAYS
- WATERLINES
- CURBS
- DRAIN LINES

TRAFFIC DATA

PROJECT LENGTH

TOTAL PROJECT LENGTH 17,955. REFER TO INDEX SHEET

NOTE: THE DEPARTMENT OF PUBLIC WORKS GENERAL SPECIFICATIONS FOR STREET PAVING, LATEST EDITION, CITY OF NEW ORLEANS SHALL GOVERN ON THIS PROJECT EXCEPT AS AMENDED BY SPECIAL PROVISIONS AND/OR SUPPLEMENTAL SPECIFICATIONS AND/OR CONSTRUCTION SPECIFICATIONS.

CITY OF NEW ORLEANS  
STATE OF LOUISIANA  
DEPARTMENT OF PUBLIC WORKS

FEMA RECOVERY ROADS PROGRAM

PROJECT ID: RR026 PROJECT NO. 2016-RR026

RR3-DESIRE GROUP A (PMOPI)

PAVING PW 21032 (PW 20539 (DONOR PW))

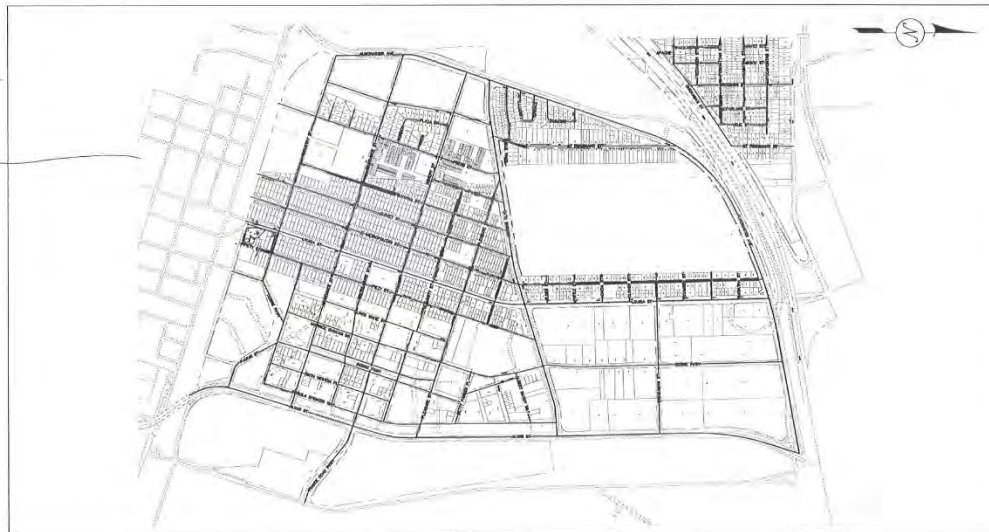
PHOENIX GLOBAL ENGINEERING & CONSTRUCTION, INC.

DESIRE



VICINITY MAP  
NTS

DESIRE



LAYOUT MAP

NTS

PLANS PREPARED BY  
AND RECOMMENDED FOR APPROVAL:

PHOENIX GLOBAL ENGINEERING  
AND CONSTRUCTION, INC. DATE: \_\_\_\_\_

RECOMMENDED BY: \_\_\_\_\_ DATE: \_\_\_\_\_

SEWERAGE & WATER BOARD DATE: \_\_\_\_\_

RECOMMENDED BY: \_\_\_\_\_ DATE: \_\_\_\_\_

CHIEF TRAFFIC ENGINEER DATE: \_\_\_\_\_

RECOMMENDED BY: \_\_\_\_\_ DATE: \_\_\_\_\_

CHIEF ENGINEER DATE: \_\_\_\_\_

\*APPROVED BY: \_\_\_\_\_ DATE: \_\_\_\_\_

DIRECTOR - DEPARTMENT OF PUBLIC WORKS

\* REVIEW AND APPROVAL OF THESE PLANS AND SPECIFICATIONS BY THE DEPARTMENT OF PUBLIC WORKS IS FOR THE GENERAL CONFORMANCE TO THE PROJECT REQUIREMENTS ONLY AND DOES NOT RELIEVE THE ENGINEERS OF THEIR RESPONSIBILITY FOR THE RELEVANCE AND ACCURACY OF ALL ITEMS AND DETAILS INCLUDED IN THESE PLANS AND SPECIFICATIONS.

INDEX OF STREETS AND UTILITIES						
DESIRE						
PLAN SHEET NUMBER	STREET NAME	BLOCK NUMBER	FROM INTERSECTION (STREET NAME)	TO INTERSECTION (STREET NAME)	PAVEMENT TYPE	DESCRIPTION OF WORK
1	TITLE	N/A	N/A	N/A	N/A	N/A
2	INDEX	N/A	N/A	N/A	N/A	N/A
3	GENERAL NOTES	N/A	N/A	N/A	N/A	N/A
4	TYPICAL SECTIONS	N/A	N/A	N/A	N/A	N/A
4.2	TYPICAL SECTIONS	N/A	N/A	N/A	N/A	N/A
5	BID TABULATIONS	N/A	N/A	N/A	N/A	N/A
6	ABUNDANCE	2860	St Ferdinand	Press St	Concrete	R/R ADA
7	ABUNDANCE	2900-3000	Press St	Feliciana	Concrete	R/R CONC AND ADA
8	ABUNDANCE	3100	Feliciana	Metropolitan	Concrete	R/R SIDEWALK AND CONC
9	ABUNDANCE	3200	Metropolitan	Louisa RB	Concrete	R/R SIDEWALK AND CONC
10	ACACIA	3200	Metropolitan	Louisa RB	Asphalt	R/R SIDEWALK, DRIVEWAY, ASPHALT AND ADA
11	APACHE	3700	Dead End	Chickasaw	N/A	R/R SIDEWALK AND ADA
12	ALIA MEYERS PL	3100	Clouet	Metropolitan	Asphalt	R/R ASPHALT
13	ALIA MEYERS PL	3150-3200	Metropolitan	Piety	Asphalt	R/R ASPHALT
14	BENEFIT	2900	St Ferdinand	Press St	Concrete	R/R ADA
15	BENEFIT	3000-3015	Press St	Feliciana	Concrete	R/R ADA
16	BENEFIT	3100	Feliciana	Metropolitan	Concrete	R/R SIDEWALK AND CONC
17	BENEFIT	3150	Metropolitan	Louisa RB	Concrete	R/R CONC
18	CHICKASAW	3200	Metropolitan	Louisa RB	Asphalt	M/O
19	CLOUET	2700	Dead End	Industry	Concrete	R/R SIDEWALK AND COMPOSITE
20	CLOVER	3200	Metropolitan	Louisa RB	Asphalt	R/R SIDEWALK, ASPHALT AND ADA
21	DESIRE PARKWAY	3600	Sidney Duplessis	Albert Savoy	Concrete	R/R CONC
22	EDNA	2700-2800	Almonaster	St. Ferdinand	N/A	R/R SIDEWALK AND DRIVEWAY
23	FELICIANA	2800-2900	Industry	Agriculture	Concrete	R/R SIDEWALK AND CONC
24	FELICIANA	3000	Abundance	Treasure	Concrete	R/R SIDEWALK, CONC, AND ADA
25	FELICIANA	3100	Treasure	Benefit	Concrete	R/R SIDEWALK, CONC, AND ADA
26	FORD	3900	Tecumseh	Powhatan	N/A	R/R SIDEWALK
27	GORDAN PLAZA	1-80	Benefit	Press St	N/A	R/R SIDEWALK AND ADA
28	HIAWATHA	2850-2900	Buick	McFarland	N/A	R/R SIDEWALK
29	HIAWATHA	3000	McFarland	Velle	N/A	R/R SIDEWALK
30	HUMANITY	3000	Montegut	Feliciana	Asphalt	R/R SIDEWALK, DRIVEWAY, ASPHALT, M/O AND ADA
31	HUMANITY	3000-3100	Feliciana	Metropolitan	Asphalt	R/R SIDEWALK, DRIVEWAY, AND ASPHALT
32	HUMANITY	3150-3200	Metropolitan	Piety	Concrete	R/R SIDEWALK AND COMPOSITE
33	HUMANITY	3300	Piety	Oliver White	Asphalt	R/R SIDEWALK AND ASPHALT
34	INDUSTRY	3100	Clouet	Metropolitan	Concrete	R/R SIDEWALK
35	IROQUOIS	4000-4100	Pocahontas	Old Gentilly Rd	Asphalt	R/R SIDEWALK, ASPHALT AND ADA
36	LIBERTY TERRACE	100-200	Almonaster EB	Almonaster WB	Concrete	R/R SIDEWALK
37	MCFARLAND	3900-4050	Chickasaw	Powhatan	Asphalt	R/R SIDEWALK, ASPHALT AND ADA
38	METROPOLITAN	3700-3750	Myrtle	Clover	Composite	R/R SIDEWALK, M/O, COMPOSITE AND ADA
39	METROPOLITAN	3800	Clover	Tecumseh	Composite	R/R SIDEWALK, M/O, COMPOSITE AND ADA
40	METROPOLITAN	3900	Tecumseh	Powhatan	Composite	R/R SIDEWALK, M/O, COMPOSITE AND ADA
41	METROPOLITAN	4000	Powhatan	Almonaster	Composite	R/R SIDEWALK, CONC, M/O, AND ADA
42	MORRICE DUNCAN	3300	Humanity	Pleasure	Concrete	R/R CONC
43	MYRTLE	3200	Louisa RB	Metropolitan	Asphalt	R/R ASPHALT AND M/O
44	OLD GENTILLY	4000	Iroquois	St. Ferdinand	N/A	R/R SIDEWALK
45	PACKARD	3800	Tecumseh	Chickasaw	N/A	R/R SIDEWALK AND ADA
46	PACKARD	3900	Tecumseh	Powhatan	N/A	R/R SIDEWALK AND ADA
47	PLEASURE	3300	Piety	Oliver White	N/A	R/R SIDEWALK
48	POCOHONTAS	3000-3040	McFarland	Velle	N/A	R/R SIDEWALK
49	POWHATTAN	2800-2840	Packard	Iroquois	Asphalt	R/R SIDEWALK, ASPHALT AND ADA
50	POWHATTAN	2900	Iroquois	Velle	Asphalt	R/R SIDEWALK AND ADA
51	SIMMONS	300	Almonaster	Almonaster	N/A	R/R SIDEWALK
52	ST FERDINAND	3000-3100	Abundance	Benefit	Concrete	R/R SIDEWALK AND CONC
53	ST FERDINAND	3200	Benefit	Higgins	Concrete	R/R SIDEWALK AND CONC
54	STUTZ	4000	Hawatha	Pocahontas	N/A	R/R SIDEWALK AND ADA
55	TECUMEH	2830	Packard	Iroquois	N/A	R/R SIDEWALK
56	TECUMEH	3200	Metropolitan	Louisa RB	Concrete	R/R CONC AND ADA
57	TREASURE	3300	Piety	Oliver White	Concrete	R/R CONC AND SIDEWALK
58	URSULA SPENCER	2900	Agriculture	Abundance	Concrete	R/R CONC
59	VELIE	4030	Hawatha	Pocahontas	N/A	R/R SIDEWALK

SHEET NUMBER  
2

BY \_\_\_\_\_

NO. DATE REVISION DESCRIPTION

PROJECT: PAVING OF PAVEMENT OF PUBLIC WORKS  
PROJECT: RR026 PROJ. SEC. NO. 2016-RR026  
CITY OF NEW ORLEANS  
SCALE: 1" = 20'  
DATE: 12-28-2015  
SHEET: \_\_\_\_\_

DESIGNED BY: \_\_\_\_\_  
CHECKED BY: \_\_\_\_\_  
SUPERVISOR: \_\_\_\_\_

PROJECT: PAVING OF PAVEMENT OF PUBLIC WORKS  
PROJECT: RR026 PROJ. SEC. NO. 2016-RR026  
CITY OF NEW ORLEANS  
SCALE: 1" = 20'  
DATE: 12-28-2015  
SHEET: \_\_\_\_\_

DESIGNED BY: \_\_\_\_\_  
CHECKED BY: \_\_\_\_\_  
SUPERVISOR: \_\_\_\_\_

CITY OF NEW ORLEANS DEPARTMENT OF PUBLIC WORKS  
PROJECT: RR026 PROJ. SEC. NO. 2016-RR026  
RR3-DESIRE GROUP A (PMOPI)

MCA

2.0 ENGINEERING LAYOUT

- 1. ALL UTILITIES SHOWN ON THE PLANS ARE BASED UPON...
2. THE CONTRACTOR SHALL BE RESPONSIBLE TO VERIFY THE PROJECT TEMPORARY BENCH MARKS SHOWN ON PLANS WITH THE PERMANENT BENCH MARKS LOCATED ON THE INDEX SHEET.
3. THE CONTRACTOR SHALL BE RESPONSIBLE TO VERIFY ALL THE WORK AND VERIFYING ALL MEASUREMENTS AND GRADES FROM THE PLANS OF CONSTRUCTION. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ESTABLISH THE PROJECT CENTERLINE AND ADDITIONAL TEMPORARY BENCH MARKS FOR CONSTRUCTION PURPOSES BEFORE DESTROYING EXISTING MONUMENTS/MAKS/CROSS CURBS, ETC.
4. THE LINES AND GRADES SHOWN ON THE PLANS MAY BE VARIED SLIGHTLY BY THE ENGINEER IN THE FIELD IF CONDITIONS JUSTIFY SUCH A VARIATION. THE CONTRACTOR SHALL NOT BE ENTITLED TO AN EXTRA PAYMENT OTHER THAN WHATEVER INCREASE IN CONTRACT SUMMITS IS INVOLVED.
5. THE CONTRACTOR SHALL BE RESPONSIBLE TO VERIFY ALL THE LINES AND GRADES TO MAINTAIN POSITIVE DRAINAGE TO THE NEAREST EXISTING DRAINAGE OR TO THE NEAREST DRAINAGE IN ROADWAYS.
6. THE CONTRACTOR SHALL CONTACT THE DEPT. OF PUBLIC WORKS (STREET LIGHTING) TO MARK STREET LIGHT AND TO BE SIGNAL WIRE LINES & LEASE A POLE TO SUPPORT THE OR LIGHTING. THE CONTRACTOR IS RESPONSIBLE TO PAY COSTS FOR ANY COSTS TO THE CITY OF NEW ORLEANS. THE CONTRACTOR SHALL BE RESPONSIBLE TO REPAIR ANY DAMAGED LINES IN 5-DAYS FROM STREET CLOSURE AND MAINTAINED FOR TRAFFIC SIGNALS. IF THE CONTRACT HAS THE AREA MARKED AND DAMAGE OCCURS BECAUSE THE LINES WERE IMPROPERLY MARKED, THE CONTRACTOR WILL NOT BE RESPONSIBLE FOR THE COST ASSOCIATED WITH THE REPAIR.

2.0 ROADWAYS

- 1. GENERAL ROADWAY CONSTRUCTION TO BE PERFORMED IN ACCORDANCE WITH THE CITY OF NEW ORLEANS GENERAL SPECIFICATIONS FOR STREET PAVING, CURRENT EDITION, AND THE CITY STANDARD DRAWINGS.
2. UNLESS SPECIFIED OTHERWISE, PROPERTY LINES INDICATED ON THE PLANS ARE APPEAR PROPERTY LINES.
3. ROADWAY PAVEMENT THICKNESS TO BE AS SHOWN ON THE PLANS.
4. CONCRETE SHALL BE PLACED AND FINISHED IN 10-DAY INTERVALS OF THE SCHEDULED PAVEMENT. EXISTING PAVEMENT SHALL MATCH THE GRADE OF THE EXISTING PAVEMENT. ASPHALT TRANSITIONS, RESHAFTED DITCHES, AND CRUSHED STONE S-DOLLERS FOR DRIVE STRAIGHTS, IF REQUIRED, SHALL BE 30% CONC PER DIRECTION OF THE FLEED DIRECTION.
5. WHENEVER NEW UTILITIES INTERFERE WITH EXISTING PAVEMENT, THE CONTRACTOR SHALL BE RESPONSIBLE TO REPAIR THE EXISTING PAVEMENT TO MATCH THE GRADE OF THE EXISTING PAVEMENT. ALL SURFACE TRANSITIONS BETWEEN OLD AND NEW WORK SHALL OCCUR WITHIN THE JOINTS OF CONSTRUCTION TO BE SHOWN ON THE PLANS.
6. FOR CONCRETE DRIVE STRAIGHTS, THE CONTRACTOR SHALL NOT OVERLAY OVER EXPANSION JOINTS AN APPROVED JOINT SEALER SHALL BE USED TO CLOSE EXPANSION JOINTS.
7. WHENEVER REMOVAL OF EXISTING PAVEMENT IS REQUIRED IN CONNECTION WITH PROPOSED PAVEMENT, THE CONTRACTOR SHALL BE RESPONSIBLE TO REPAIR THE EXISTING PAVEMENT IMMEDIATELY ADJACENT TO THE EDGE OF THE CONCRETE OUTER SHALL BE MILLED TO A MINIMUM DEPTH OF ONE (1) TO OBTAIN A SMOOTH TIE-IN BETWEEN EXISTING AND PROPOSED DRIVE STRAIGHTS.
8. WHENEVER REMOVAL OF EXISTING PAVEMENT IS REQUIRED, THE ADJACENT CONCRETE OUTER BOTTOM SHALL NOT BE COVERED WITH ASPHALT. THE PROPOSED DRIVE STRAIGHTS SHALL BE WITHIN ONE (1) INCH IN AREAS WHERE THE PROPOSED DRIVE STRAIGHT IS NOT FULLY COVERED BY THE EXISTING DRIVE STRAIGHT. THE SURFACE SHALL BE REPAIRED TO MATCH THE GRADE OF THE EXISTING DRIVE STRAIGHT WITH ASPHALT SURFACES TO THE FACE OF THE CURB.
9. THE CONTRACTOR SHALL REMOVE ALL CURBETS PILES, METAL GRATES, AND ANY OTHER OBSTRUCTIONS THAT ARE WITHIN THE LIMITS OF THE PROPOSED ROADWAY (NO DIRECT PAYMENT).
10. ALL SURVIVABLE ROADWAY MATERIALS, AS DETERMINED BY THE ENGINEER, SHALL BE DELIVERED TO THE APPROPRIATE LOCATION AS SHOWN BELOW (NO DIRECT PAYMENT).
11. STABLE CANALS, DRAINAGE DITCHES, SHALL BE DELIVERED TO THE PUBLIC WORKS/MAINTENANCE DEPT. AT 2832 LAFITTE STREET.
12. STREET SIGNS, TRAFFIC CONTROL DEVICES (SIGNS & SIGNALS) TO THE PUBLIC WORKS/MAINTENANCE DEPT. AT 2832 LAFITTE STREET.
13. ALL LEGAL DRIVEWAYS REMOVED SHALL BE REPLACED IN KIND UNLESS OTHERWISE NOTED.

3.0 DRIVEWAYS & SIDEWALKS

- 1. ALL DRIVEWAYS AND SIDEWALKS SHALL BE REPAIRED TO MATCH THE GRADE OF THE EXISTING DRIVEWAY OR SIDEWALK WITHOUT OTHER APPROVAL OF THE ENGINEER.
2. AT INTERSECTIONS WITHIN THE DRIVEWAY OR SIDEWALK, THE CONTRACTOR SHALL BE RESPONSIBLE TO REPAIR THE DRIVEWAY OR SIDEWALK TO MATCH THE GRADE OF THE EXISTING DRIVEWAY OR SIDEWALK.
3. THE CONTRACTOR IS REQUIRED TO SAW OUT SIDEWALKS, DRIVEWAYS, CURBS, AND PAVEMENT, AS SPECIFIED, TO INSURE A STRAIGHT LINE BETWEEN OLD AND NEW WORK.
4. ALL SIDEWALKS AND DRIVEWAYS DAMAGED BY THE CONTRACTOR DURING CONSTRUCTION, WHICH IS THE OPINION OF THE ENGINEER ARE OUTSIDE THE LIMITS OF THE ROADWAY CONSTRUCTION, SHALL BE REPLACED BY THE CONTRACTOR AT HIS OWN EXPENSE.
5. THE CONTRACTOR SHALL NOTIFY THE DEPARTMENT OF PUBLIC WORKS (STREET LIGHTING) TO MARK STREET LIGHT AND TO BE SIGNAL WIRE LINES & LEASE A POLE TO SUPPORT THE OR LIGHTING. THE CONTRACTOR IS RESPONSIBLE TO PAY COSTS FOR ANY COSTS TO THE CITY OF NEW ORLEANS. THE CONTRACTOR SHALL BE RESPONSIBLE TO REPAIR ANY DAMAGED LINES IN 5-DAYS FROM STREET CLOSURE AND MAINTAINED FOR TRAFFIC SIGNALS. IF THE CONTRACT HAS THE AREA MARKED AND DAMAGE OCCURS BECAUSE THE LINES WERE IMPROPERLY MARKED, THE CONTRACTOR WILL NOT BE RESPONSIBLE FOR THE COST ASSOCIATED WITH THE REPAIR.

4.0 UTILITIES

- 1. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY LOCATION AND DEPTH OF ALL EXISTING UTILITIES BEFORE STARTING CONSTRUCTION. THE DEPARTMENT OF PUBLIC WORKS IS NOT RESPONSIBLE FOR ACCURACY OF THE LOCATION OF THESE UTILITIES SHOWN ON THE PLANS, AND UTILITIES NOT SHOWN ON THE PLANS.
2. THE CONTRACTOR SHALL BE RESPONSIBLE TO VERIFY ALL THE LINES AND GRADES TO MAINTAIN POSITIVE DRAINAGE TO THE NEAREST EXISTING DRAINAGE OR TO THE NEAREST DRAINAGE IN ROADWAYS.
3. THE CONTRACTOR SHALL CONTACT THE DEPT. OF PUBLIC WORKS (STREET LIGHTING) TO MARK STREET LIGHT AND TO BE SIGNAL WIRE LINES & LEASE A POLE TO SUPPORT THE OR LIGHTING. THE CONTRACTOR IS RESPONSIBLE TO PAY COSTS FOR ANY COSTS TO THE CITY OF NEW ORLEANS. THE CONTRACTOR SHALL BE RESPONSIBLE TO REPAIR ANY DAMAGED LINES IN 5-DAYS FROM STREET CLOSURE AND MAINTAINED FOR TRAFFIC SIGNALS. IF THE CONTRACT HAS THE AREA MARKED AND DAMAGE OCCURS BECAUSE THE LINES WERE IMPROPERLY MARKED, THE CONTRACTOR WILL NOT BE RESPONSIBLE FOR THE COST ASSOCIATED WITH THE REPAIR.

5.0 SEWERAGE & WATER BOARD ITEMS

- 1. ALL WORK TO BE PERFORMED IN ACCORDANCE WITH THE CURRENT GENERAL SPECIFICATIONS, DRAWING NO. 7200-SWD, AND THE STANDARD DRAWINGS OF THE BOARD OF NEW ORLEANS, LOUISIANA EXCEPT WHERE OTHERWISE NOTED IN THE CONSTRUCTION DOCUMENTS.
2. THE LOCATION OF EXISTING UTILITIES SHOWN ARE APPROXIMATE. THE CONTRACTOR SHALL VERIFY THE SAME AND SHALL TAKE NECESSARY PRECAUTIONS TO PROTECT THEM.
3. THE CONTRACTOR SHALL VERIFY ELEVATION OF EXISTING UTILITIES THAT ARE A PART OF HIS JOB, PRIOR TO INSTALLING NEW UTILITIES. CONTRACTOR SHALL REPORT ANY DISCREPANCIES TO THE ENGINEER.
4. ALL CHANGES FROM THE DRAWINGS SHALL BE APPROVED BY THE BOARD OF NEW ORLEANS BEFORE CONSTRUCTION WITH WHICH THEY ARE CONCERNED.
5. THE CONTRACTOR SHALL NOTIFY THE CHIEF OF ENGINEERING OF THE BOARD IN WRITING NOT LESS THAN THREE (3) OR MORE THAN TEN (10) WORKING DAYS IN ADVANCE OF STARTING THE CONSTRUCTION.
6. THE CONTRACTOR SHALL BE RESPONSIBLE TO VERIFY ALL THE LINES AND GRADES TO MAINTAIN POSITIVE DRAINAGE TO THE NEAREST EXISTING DRAINAGE OR TO THE NEAREST DRAINAGE IN ROADWAYS.
7. BEFORE FINAL INSPECTION OF THE WORK, THE CONTRACTOR SHALL SUBMIT AN "AS BUILT" DRAWING TO THE BOARD OF NEW ORLEANS. THE CONTRACTOR SHALL VERIFY ALL THE LINES AND GRADES TO MAINTAIN POSITIVE DRAINAGE TO THE NEAREST EXISTING DRAINAGE OR TO THE NEAREST DRAINAGE IN ROADWAYS.
8. THE CONTRACTOR SHALL CONTACT THE DEPT. OF PUBLIC WORKS (STREET LIGHTING) TO MARK STREET LIGHT AND TO BE SIGNAL WIRE LINES & LEASE A POLE TO SUPPORT THE OR LIGHTING. THE CONTRACTOR IS RESPONSIBLE TO PAY COSTS FOR ANY COSTS TO THE CITY OF NEW ORLEANS. THE CONTRACTOR SHALL BE RESPONSIBLE TO REPAIR ANY DAMAGED LINES IN 5-DAYS FROM STREET CLOSURE AND MAINTAINED FOR TRAFFIC SIGNALS. IF THE CONTRACT HAS THE AREA MARKED AND DAMAGE OCCURS BECAUSE THE LINES WERE IMPROPERLY MARKED, THE CONTRACTOR WILL NOT BE RESPONSIBLE FOR THE COST ASSOCIATED WITH THE REPAIR.

6.0 WATER MAINS

- 1. ALL NEW WATER MAIN PIPES SHALL HAVE MINIMUM COVER BETWEEN THEIR OUTER LINE AND TOP OF PIPE AS FOLLOWS, UNLESS OTHERWISE NOTED:
a) FOR 6" TO 24" MAINS, MIN. COVER IS 2'-0".
b) FOR 30" TO 48" MAINS, MIN. COVER IS 4'-0".
c) ALL EXISTING WATER MAINS SHALL BE REPAIRED TO MATCH THE GRADE OF THE EXISTING WATER MAINS.
2. ALL EXISTING WATER MAINS SHALL BE REPAIRED TO MATCH THE GRADE OF THE EXISTING WATER MAINS.
3. ALL EXISTING WATER MAINS SHALL BE REPAIRED TO MATCH THE GRADE OF THE EXISTING WATER MAINS.
4. ALL EXISTING WATER MAINS SHALL BE REPAIRED TO MATCH THE GRADE OF THE EXISTING WATER MAINS.
5. ALL EXISTING WATER MAINS SHALL BE REPAIRED TO MATCH THE GRADE OF THE EXISTING WATER MAINS.

7.0 SEWER & DRAIN LINES

- 1. THE COST FOR DRAINAGE EQUIPMENT, INCLUDING MATERIAL, SHIELDING, BRICKS, BACK FILLING, GRADING, AND HAULING AWAY SURPLUS MATERIALS SHALL BE INCLUDED IN THE UNIT PRICE FOR DRAINAGE PIPES BEING INSTALLED.
2. ALL EXISTING WATER MAINS SHALL BE REPAIRED TO MATCH THE GRADE OF THE EXISTING WATER MAINS.
3. ALL EXISTING WATER MAINS SHALL BE REPAIRED TO MATCH THE GRADE OF THE EXISTING WATER MAINS.
4. ALL EXISTING WATER MAINS SHALL BE REPAIRED TO MATCH THE GRADE OF THE EXISTING WATER MAINS.

8.0 HORTICULTURE REQUIREMENTS

- 1. THE CONTRACTOR SHALL COMPLY WITH ALL "HORTICULTURE REQUIREMENTS" SPECIFIED BY THE DEPARTMENT OF PARKS & RECREATION.
2. THE CONTRACTOR SHALL NOTIFY THE DEPARTMENT OF PARKS & RECREATION PRIOR TO REPLACING ANY EXISTING TREES OR PLANTS. THE DEPARTMENT OF PARKS & RECREATION SHALL BE NOTIFIED IN WRITING NOT LESS THAN THIRTY (30) DAYS IN ADVANCE OF THE START OF CONSTRUCTION.
3. ALL TREE REMOVALS, BRANCH PRUNING, OR ROOT CUTTING SHALL BE PERFORMED BY A LICENSED ARBORIST APPROVED BY THE DEPARTMENT OF PARKS & RECREATION.
4. ALL TREE GRATES, ETC. SHALL BE DELIVERED TO THE DEPARTMENT OF PARKS & RECREATION AT 2832 DESIRE BLVD. (NO DIRECT PAYMENT).
5. THE CONTRACTOR SHALL BE RESPONSIBLE TO VERIFY ALL THE LINES AND GRADES TO MAINTAIN POSITIVE DRAINAGE TO THE NEAREST EXISTING DRAINAGE OR TO THE NEAREST DRAINAGE IN ROADWAYS.

9.0 TRAFFIC CONTROL

- 1. KNOW THE SIGN OF CONSTRUCTION, THE CONTRACTOR SHALL SUBMIT TO THE CITY OF NEW ORLEANS FOR REVIEW AND APPROVAL A COMPLETE CONSTRUCTION SIGNAGE, TRAFFIC CONTROL, MAINTENANCE, AND PUBLIC SAFETY PLAN, PER SECTION C120 OF THE GENERAL SPECIFICATIONS, DRAWING NO. 7200-SWD, AND THE STANDARD DRAWINGS OF THE BOARD OF NEW ORLEANS, LOUISIANA EXCEPT WHERE OTHERWISE NOTED IN THE CONSTRUCTION DOCUMENTS.
2. THE CONTRACTOR SHALL VERIFY THE LOCATION AND DEPTH OF ALL EXISTING UTILITIES BEFORE STARTING CONSTRUCTION.
3. THE CONTRACTOR SHALL BE RESPONSIBLE TO VERIFY ALL THE LINES AND GRADES TO MAINTAIN POSITIVE DRAINAGE TO THE NEAREST EXISTING DRAINAGE OR TO THE NEAREST DRAINAGE IN ROADWAYS.

10.0 GENERAL

- 1. THE CONTRACTOR SHALL BE RESPONSIBLE TO VERIFY ALL THE LINES AND GRADES TO MAINTAIN POSITIVE DRAINAGE TO THE NEAREST EXISTING DRAINAGE OR TO THE NEAREST DRAINAGE IN ROADWAYS.
2. THE CONTRACTOR SHALL BE RESPONSIBLE TO VERIFY ALL THE LINES AND GRADES TO MAINTAIN POSITIVE DRAINAGE TO THE NEAREST EXISTING DRAINAGE OR TO THE NEAREST DRAINAGE IN ROADWAYS.

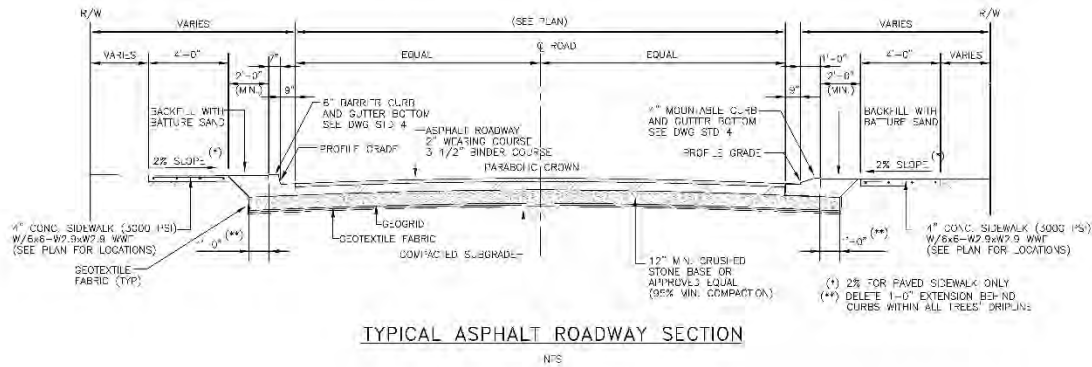
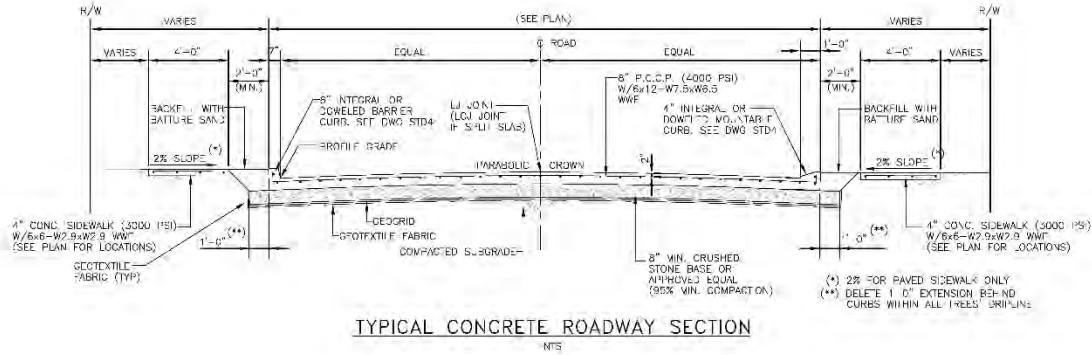
LEGEND



LEGEND (CONT.)



Table with columns: SHEET NUMBER, REVISION DESCRIPTION, NO., DATE. Includes revision history for the project.



ALL WORK SHOWN ON THIS DRAWING IS TO BE USED AS A GUIDE FOR LAYOUT AND REQ'D. DESIGN INFORMATION ONLY.

SHEET NUMBER	
4	
NO.	DATE
REVISION	DESCRIPTION
BY	

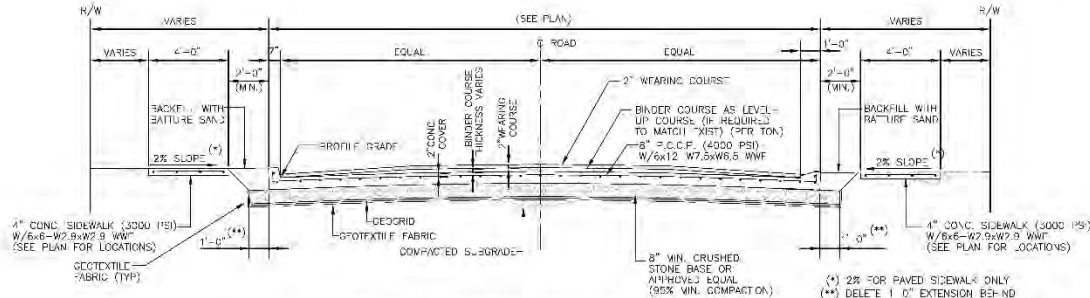
DESIGNED BY	DATE
CHECKED BY	DATE
APPROVED BY	DATE

PROJECT NO.	DATE
PROJECT NAME	DATE

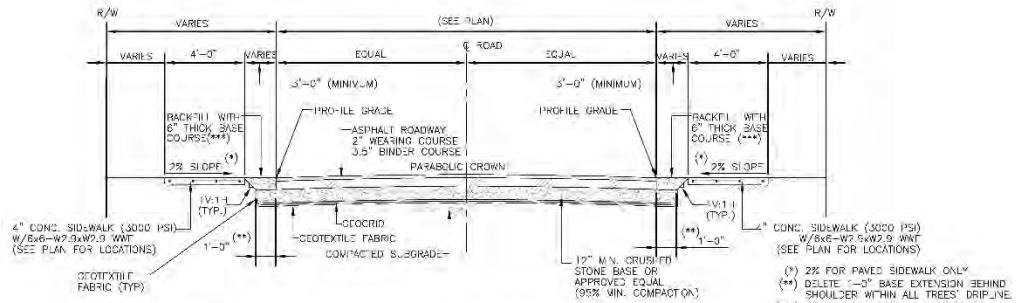
  

CITY OF NEW ORLEANS DEPARTMENT OF PUBLIC WORKS
PROJECT: 2016-RR026
RR3-DESIRE GROUP A (PMOPI)
TYPICAL ROADWAY SECTION AND DETAILS



TYPICAL ASPHALT-CONCRETE COMPOSITE ROADWAY SECTION

N.T.S.



TYPICAL ASPHALT ROADWAY SECTION WITHOUT CURBS

N.T.S.

ALL WORK SHOWN ON THIS DRAWING IS TO BE USED AS A GUIDE FOR LAYOUT AND REQ'D. DESIGN INFORMATION ONLY.

SHEET NUMBER 4-1	
BY	REVISION DESCRIPTION
NO.	DATE
 CITY OF NEW ORLEANS DEPARTMENT OF PUBLIC WORKS PROJECT: S. BR269 PROJECT NO. 2016-00225 RR3-DESIRE GROUP A (PMOPI) TYPICAL ROADWAY SECTION AND DETAILS	
DESIGNER CRAIG/WHI	DATE 11-23-2016
CHECKED EPT	SHEET 15 OF 2016
DRAWN VCL	NO. OF SHEETS


SUMMARY OF ESTIMATED QUANTITIES

Std. Spec.	DESCRIPTION OF ITEM	Unit	Total Qty.
C202(52)(C)	REMOVAL AND DISPOSAL OF EXISTING PORTLAND CEMENT CONCRETE PAVEMENT	SY	4,981.0
C202(52)(D)	REMOVAL AND DISPOSAL OF EXISTING SIDEWALK, DRIVEWAY, FOOT LAP (CONCRETE, BRICK, ASPHALT, ETC.)	SY	4,628.7
C202(52)(F)	REMOVAL AND DISPOSAL OF EXISTING CURB AND GUTTER BOTTOM	LF	3,326.0
C202(52)(I)	REMOVAL AND DISPOSAL OF EXISTING ASPHALTIC CONCRETE PAVEMENT	SY	3,428.1
C203(51)	ROADWAY EXCAVATION	CY	2,271
C203(58)	UNSUITABLE SUBGRADE EXCAVATION AND SAND FILLING	CY	227
C203(59)	GEOTEXTILE FABRIC FOR STABILIZATION	SY	8,635
C302(51)	BASE COURSE	CY	2,270.8
C402(51)	TRAFFIC MAINTENANCE AGGREGATE	CY	113.5
C509(51)	COLD PLANING ASPHALTIC PAVEMENT (2" AVERAGE THICK)	SY	8,346
C601(54)	REINFORCED CONCRETE PAVEMENT (8" THICK)	SY	4,981.0
C707(59)	CONCRETE MOUNTABLE CURB AND GUTTER BOTTOM	LF	3,326.0
CS-2	GEOGRID	SY	8,491
CS-3	SIDEWALK, DRIVEWAY AND CURB SAW CUTTING	LF	690
CS-4	PAVEMENT SAW CUTTING ADJACENT TO EXISTING PAVEMENT AND AT PATCHES AND UTILITY TRENCHES	LF	1,733
CS-5	REMOVAL OF HANDICAP RAMPS, CURB AND GUTTER, AND CONCRETE SIDEWALKS AT INTERSECTIONS INCLUDING SAW CUTTING	SY	779.3
CS-6	HANDICAP RAMPS, CURB AND GUTTER, AND CONCRETE SIDEWALKS AT INTERSECTIONS	SY	779.3
CS-8	CONCRETE SIDEWALK (4" THICK)	SY	4,545.0
CS-9	CONCRETE DRIVEWAY (6" THICK)	SY	59.7
CS-11	2" THICK SUPERPAVE ASPHALTIC CONCRETE WEARING COURSE	SY	13,204.1
CS-12	3 1/2" THICK SUPERPAVE ASPHALTIC CONCRETE BINDER COURSE	SY	3,428.1
CS-13	SIDEWALK TRANSITION ADJACENT TO HANDICAPPED RAMPS	SY	494.2
<b>TOTAL ESTIMATED COSTS</b>			

NOTE: REFER TO BID PROPOSAL AND PROJECT SPECIFICATIONS, DIVISION B, PART II - DESCRIPTION OF SPECIAL ITEMS FOR A LIST OF "NO DIRECT PAY ITEMS".

SHEET NUMBER  
b


BY	NO.	DATE
REVISION	DESCRIPTION	BY




PROJECT NAME: PAVING & CURB & GUTTER WORKS  
 PROJECT NO.: RR026  
 SHEET NO.: 21032

SCALE: 1" = 30'  
 DATE: 12-02-2015  
 SHEET: 12-02-2015

PREPARED BY: [ ]  
 CHECKED BY: [ ]  
 APPROVED BY: [ ]

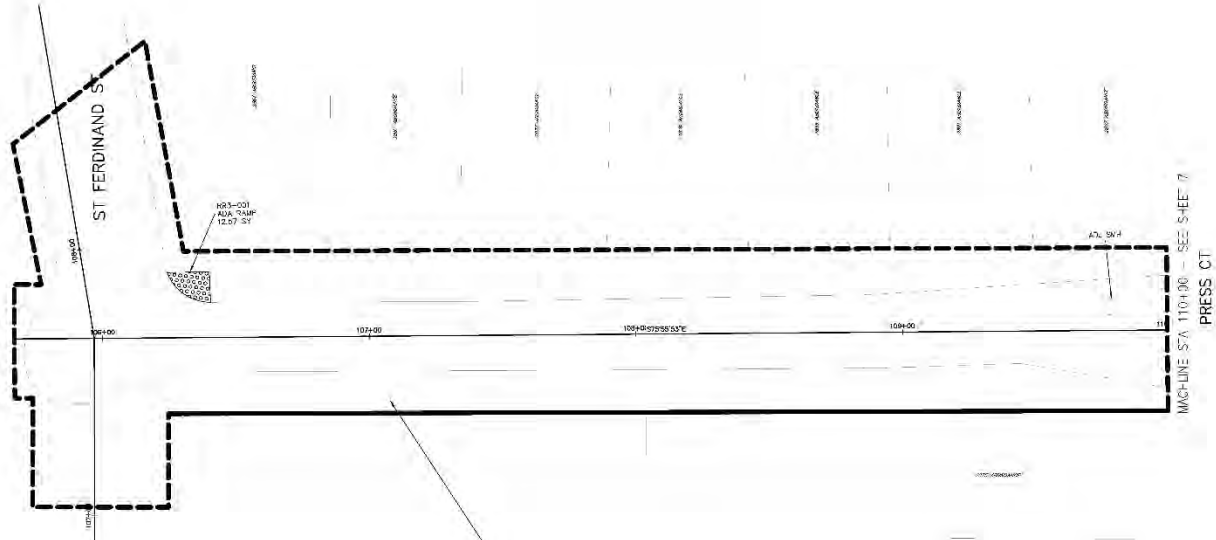


CITY OF NEW ORLEANS DEPARTMENT OF PUBLIC WORKS  
 PROJECT ID: RR026 PROJECT NO. 2016-RR026  
 RR3-DESIRE GROUP A (PMOPI)  
 SUMMARY OF ESTIMATED QUANTITIES





2860 ABUNDANCE



- EXISTING (IF NE LINE)
- NEW CONSTRUCTION (BRICK LINE)
- [Pattern: Dotted] REQUIRE REMOVAL AND/OR PLACEMENT OF CONCRETE PAVEMENT, SIDEWALK, OR ADA RAMP CONC DPW (R20)
- [Pattern: Diagonal lines /] REQUIRE REMOVAL AND/OR PLACEMENT OF ASPHALT ROADWAY CONC 5% (RNS 12)
- [Pattern: Diagonal lines \] REQUIRE REMOVAL AND/OR PLACEMENT OF ASPHALT/CONCRETE OPPOSITE ROADWAY CONC DPW (RNS 13/ REX)
- [Pattern: Horizontal lines] REQUIRE CONCRETE CURB PLACING AND PLACEMENT OF ASPHALT SURFAL: COURSE CONC 5% (RNS 13)
- [Pattern: Dashed line] REMOVE/CONSTRUCT BARRIER CURB
- [Pattern: Solid line] REMOVE/CONSTRUCT MEDIAN BARRIER CURB

NO SURVEY PERFORMED FOR THIS AREA, LOCATIONS ARE APPROXIMATE IN NATURE AND SHOULD BE FIELD VERIFIED.

SHEET NUMBER			
NO.	DATE		
61			
NO.	DATE	REVISION DESCRIPTION	BY



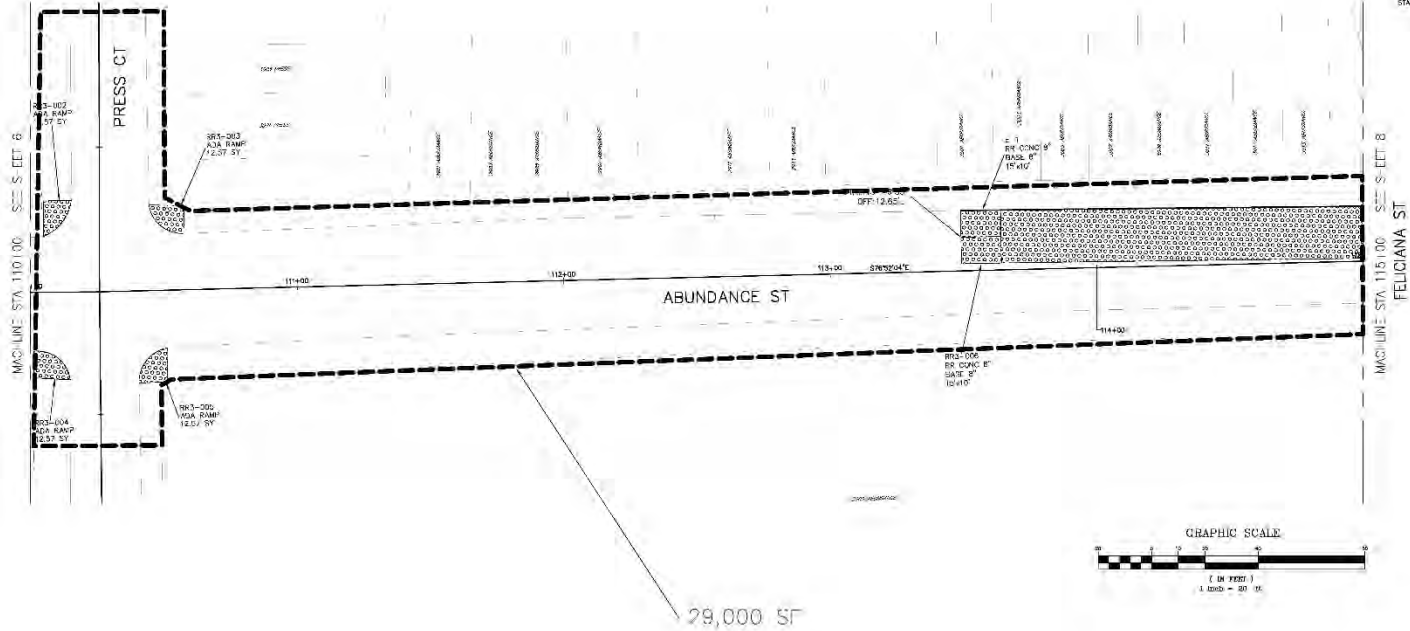
PREPARED BY: HENRY JOHN THOMPSON & COMPANY, INC.  
 PROJECT NO.: 2016-RR026  
 SHEET NO.: 61  
 SCALE: 1" = 20'  
 DATE: 12-20-2016



CITY OF NEW ORLEANS DEPARTMENT OF PUBLIC WORKS  
 PROJECT ID: RR026 PROJECT NO. 2016-RR026  
 RR3-DESIRE GROUP A (PMOP)  
 2860 ABUNDANCE



2900-3000 ABUNDANCE



GRID NORTH  
 NORTH REFERENCE TO 1983 LUISIANA  
 STATE PLANE COORDINATE SYSTEM  
 SOUTH ZONE NAD 83

NO.	DATE	REVISION DESCRIPTION	BY



SHEET NUMBER: 2  
 PROJECT: RR3-DESIRE GROUP A (PMOP)  
 SCALE: 1" = 20'  
 DATE: 12-20-2016  
 DRAWN BY: [Name]  
 CHECKED BY: [Name]



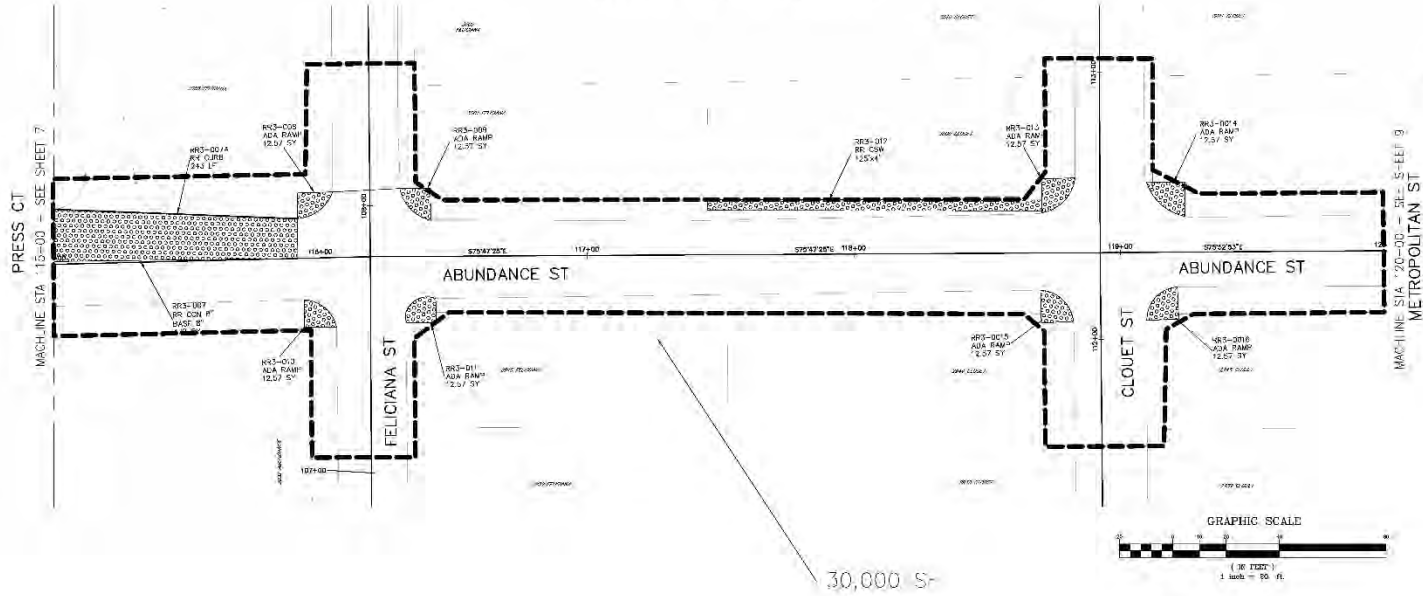
CITY OF NEW ORLEANS DEPARTMENT OF PUBLIC WORKS  
 TRAFFIC ID: RR228 PROJECT NO. 2016-RR228  
 RR3-DESIRE GROUP A (PMOP)  
 2900-3000 ABUNDANCE



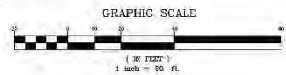
- DASHING (P.A.L. NO.)
- NEW CONSTRUCTION (BROAD LINE)
- REQUIRED REMOVAL AND/OR PLACEMENT OF CONCRETE PAVEMENT, SIDEWALK, OR ADA RAMP AND C&W (HEX)
- REQUIRED REMOVAL AND/OR PLACEMENT OF ASPHALT ROADWAY AND C&W (ANSI 131)
- REQUIRED REMOVAL AND/OR PLACEMENT OF ASPHALT/CONCRETE COMPOSITE ROADWAY AND C&W (ANSI 132/HEX)
- REQUIRED COLD MIL/SCOLD PAVING AND PLACEMENT OF ASPHALT SURFACE COURSE AND C&W (ANSI 133)
- REMOVE/CONSTRUCT BARRIER CURB
- REMOVE/CONSTRUCT MOUNTABLE CURB

NO SURVEY PERFORMED FOR THIS AREA, LOCATIONS ARE APPROXIMATE IN NATURE AND SHOULD BE FIELD VERIFIED.

# 3100 ABUNDANCE



**GRID NORTH**  
 NORTH ARROW POINT TO U.S. BARRA  
 STATE PLANE COORDINATE SYSTEM  
 SOUTH ZONE, NAD 83



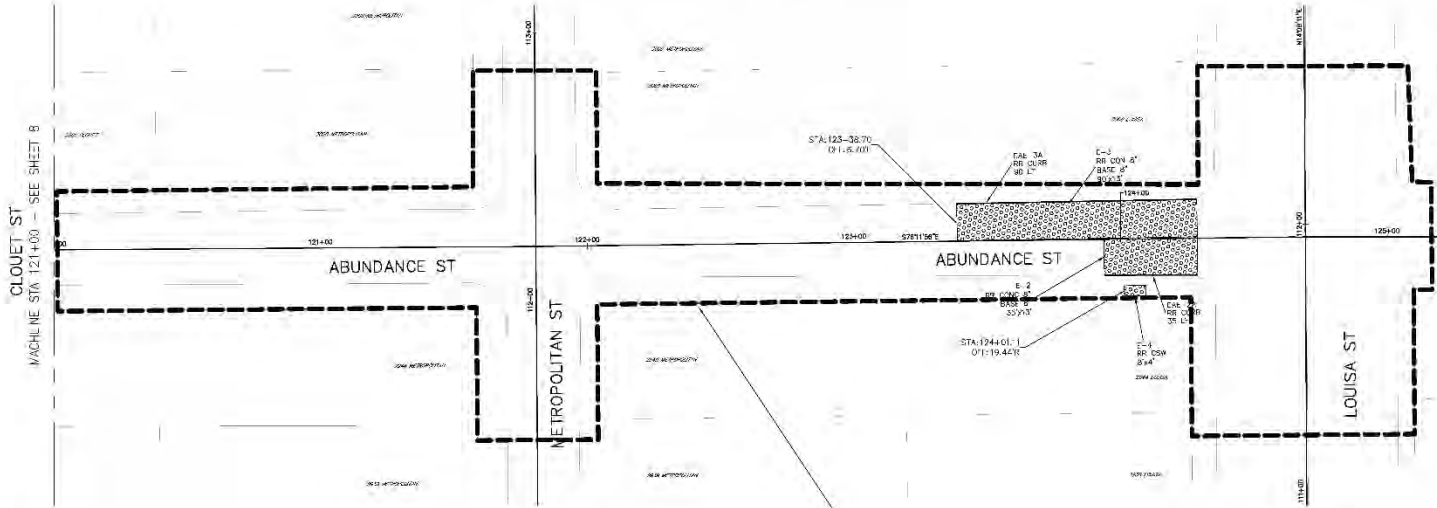
30,000 S-

NO SURVEY PERFORMED FOR THIS AREA. LOCATIONS ARE APPROXIMATE IN NATURE AND SHOULD BE FIELD VERIFIED.

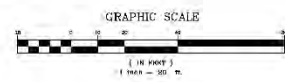
- EXISTING (FINE LINE)
- NEW CONSTRUCTION (BROAD LINE)
- REQUIRED REMOVAL AND/OR REPLACEMENT OF CONCRETE PAVEMENT SURFACING, 2IN ADA RAMP CURB NEW (R-X)
- REQUIRED REMOVAL AND/OR REPLACEMENT OF ASPHALT ROADWAY EXIST 2IN (R-14)
- REQUIRED REMOVAL AND/OR REPLACEMENT OF ASPHALT/CONCRETE DRIVEWAY ROADWAY EXIST 2IN (R-15/16/17)
- REQUIRED COLD MIL/COLD PLANKING AND PLACEMENT OF ASPHALT SURFACE COURSE EXIST 2IN (R-13)
- REMOVE/CONSTRUCT BARRIER CURB
- REMOVE/CONSTRUCT MOUNTABLE CURB

SHEET NUMBER	
8	BY
NO.	DATE
REVISION	DESCRIPTION
CITY OF NEW ORLEANS DEPARTMENT OF PUBLIC WORKS PROJECT ID: RR226 PROJECT NO. 2016-RR226	
RR3-DESIRE GROUP A (PMOP)	
3100 ABUNDANCE	

# 3200 ABUNDANCE



22,500 SF

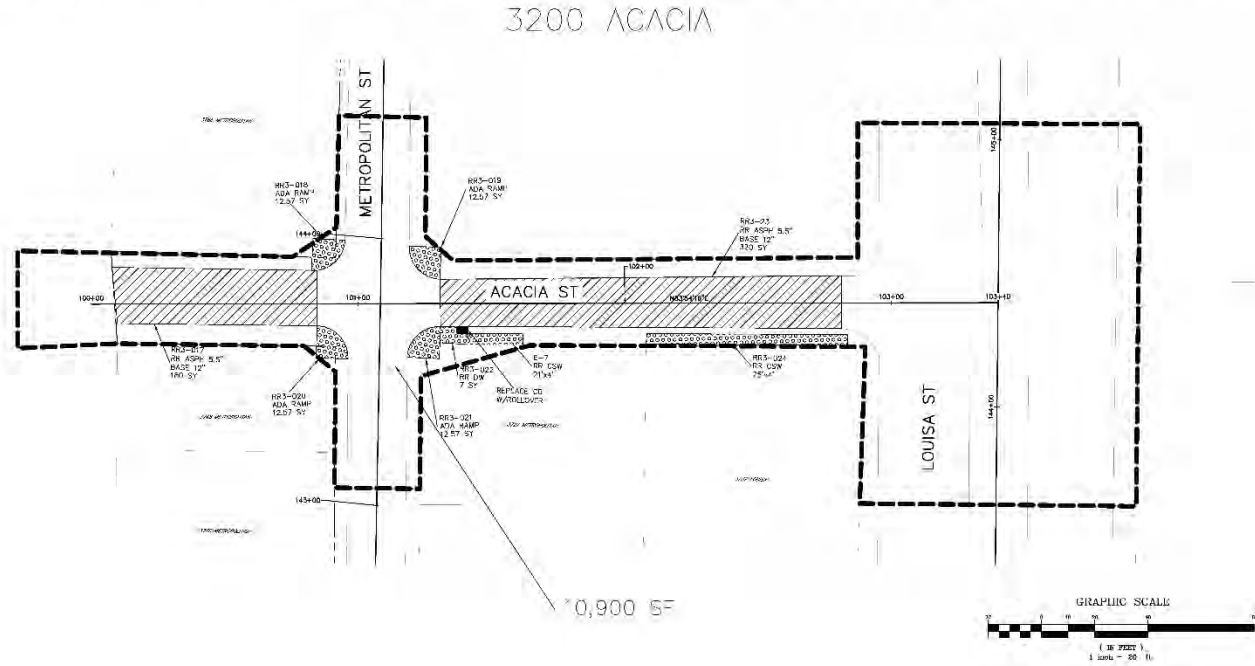


- EXISTING ("IN THE FIELD")
- NEW CONSTRUCTION (ROAD LINE)
- ▨ REBUILD IN ASPHALT AND/OR PLACEMENT OF CONCRETE (ASPHALT, PORTLAND CEMENT CONCRETE, OR ASPHALT CONCRETE)
- ▨ REBUILD IN ASPHALT AND/OR PLACEMENT OF ASPHALT CONCRETE
- ▨ REBUILD IN ASPHALT AND/OR PLACEMENT OF ASPHALT CONCRETE
- ▨ REBUILD IN ASPHALT AND/OR PLACEMENT OF ASPHALT CONCRETE
- ▨ REBUILD IN ASPHALT AND/OR PLACEMENT OF ASPHALT CONCRETE
- ▨ REMOVE/CONSTRUCT CURB AND GUTTER
- ▨ REMOVE/CONSTRUCT MOUNTABLE CURB

NO SURVEY PERFORMED FOR THIS AREA. LOCATIONS ARE APPROXIMATE IN NATURE AND SHOULD BE FIELD VERIFIED.



SHEET NUMBER	
9	BY
NO.	REVISION DESCRIPTION
DATE	
DESIGNED BY	SCALE = 1" = 30'
DRAWN BY	DATE: 12-28-2016
CHECKED BY	SHEET
CITY OF NEW ORLEANS DEPARTMENT OF PUBLIC WORKS PROJECT ID: RR226 PROJECT NO. 2016-RR226 RR3-DESIRE GROUP A (PMOP) 3200 ABUNDANCE	



**GRID NORTH**  
 NORTH REFERENCED TO ILLINOIS  
 STATE PLANE COORDINATE SYSTEM  
 SOUTH ZONE, NAD 83

NO.	DATE	REVISION/DESCRIPTION

**PROPERTY:** MERRY COSTA CONSULTING & CONSTRUCTION, INC.  
 1111 N. ALTON ST. #100  
 MICHIGAN, ILLINOIS 60641

**DATE:** 12-29-2016

**SCALE:** 1" = 20'

**CHECKED BY:** [Signature]

**DRAWN BY:** [Signature]

**PROJECT NO.:** 18-C-20154

**SHEET:** [Number]

**CITY OF NEW BRUNSWICK DEPARTMENT OF PUBLIC WORKS**  
 PROJECT ID: RR26 PROJECT NO. 2016-RR026

**RR3-DESIRE GROUP A (PW001)**

**3200 ACACIA**

**SHEET NUMBER**

**TO**

**BY**

**NO.**

**DATE**

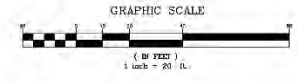
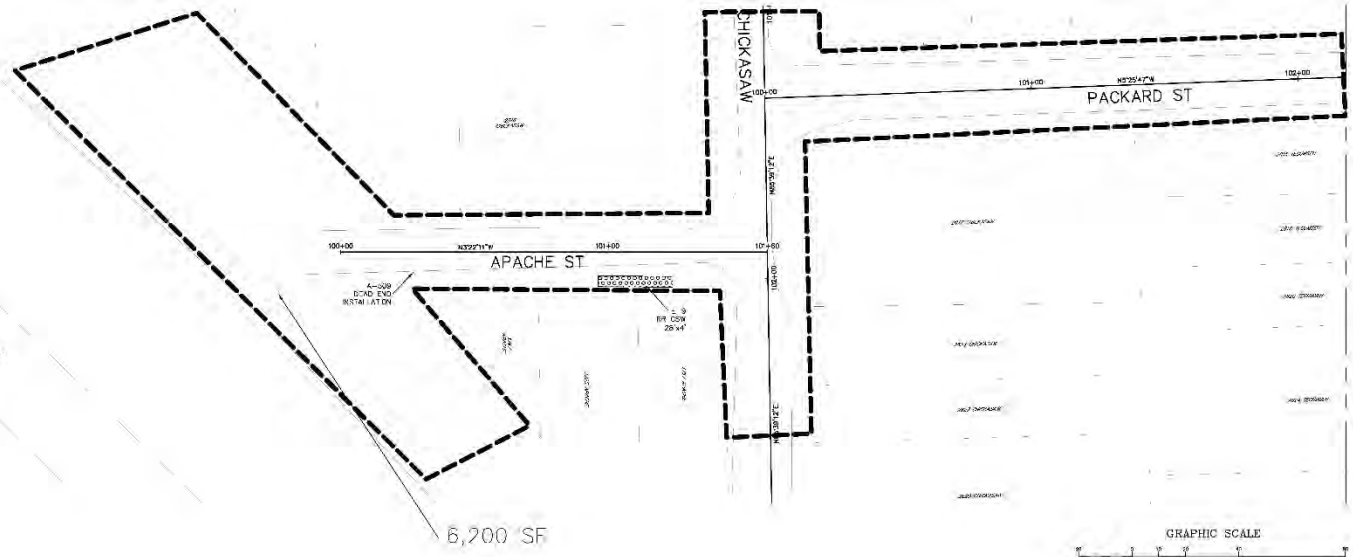
**REVISION/DESCRIPTION**

NO SURVEY PERFORMED FOR THIS AREA, LOCATIONS ARE APPROXIMATE IN NATURE AND SHOULD BE FIELD VERIFIED.

- EXISTING (FINE LINE)
- NEW CONSTRUCTION (2/32" LINE)
- E.G., RR3-019 ADA RAMP OR ACME IN (1) - CONCRETE (2) - ASPHALT
- E.G., RR3-021 ADA RAMP OR ACME IN (1) - CONCRETE (2) - ASPHALT
- E.G., RR3-022 ADA RAMP OR ACME IN (1) - CONCRETE (2) - ASPHALT
- E.G., RR3-023 ADA RAMP OR ACME IN (1) - CONCRETE (2) - ASPHALT
- E.G., RR3-024 ADA RAMP OR ACME IN (1) - CONCRETE (2) - ASPHALT
- E.G., RR3-025 ADA RAMP OR ACME IN (1) - CONCRETE (2) - ASPHALT
- E.G., RR3-026 ADA RAMP OR ACME IN (1) - CONCRETE (2) - ASPHALT
- REMOVE/CONSTRUCT BARRIER CURB
- REMOVE/CONSTRUCT MOUNTABLE CURB



3700 APACHE

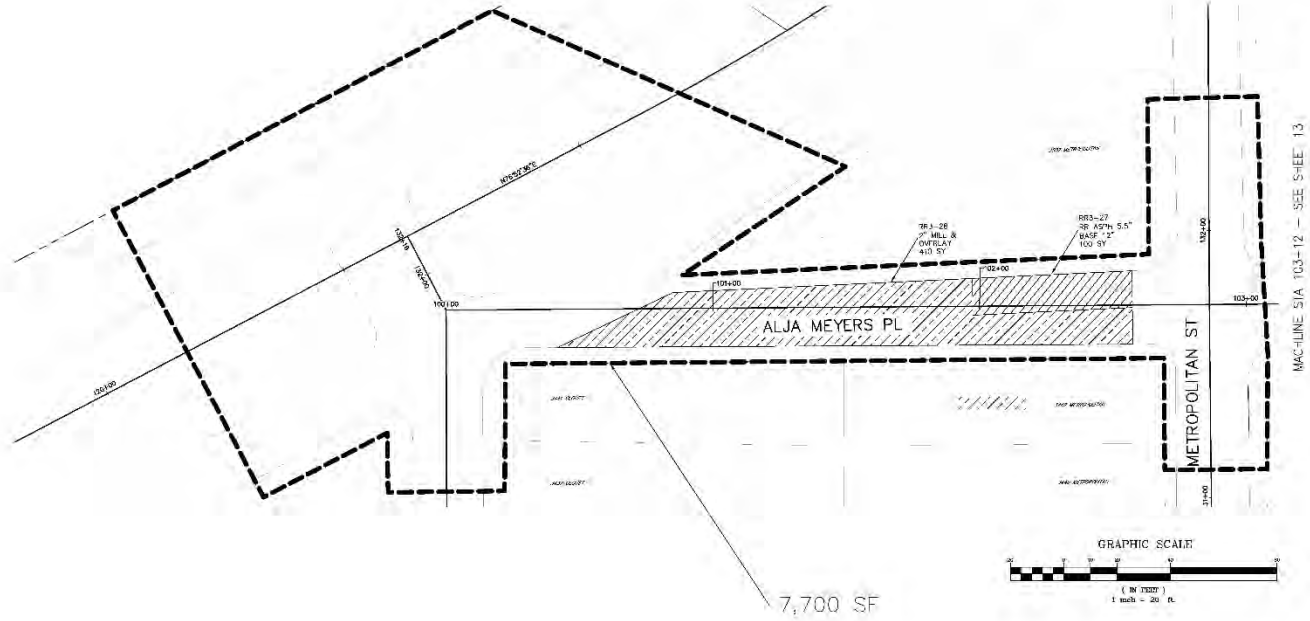


NO SURVEY PERFORMED FOR THIS AREA, LOCATIONS ARE APPROXIMATE IN NATURE AND SHOULD BE FIELD VERIFIED.

- EXISTING (FINE LINE)
- NEW CONSTRUCTION (THICK LINE)
- 1. 0.5\"/>

SHEET NUMBER		11
NO.	DATE	REVISION DESCRIPTION
DESIGNED BY	SCALE	DATE
DRAWN BY	1" = 20'	11-20-2016
CHECKED BY		
CHECKED NO.	SHEET	
CITY OF NEW ORLEANS DEPARTMENT OF PUBLIC WORKS PROJECT ID: RR026 PROJECT NO. 2016-RR026 RR3-DESIRE GROUP A (PMOP) 3700 APACHE		

3100 ALJA MEYERS PL



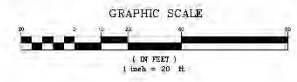
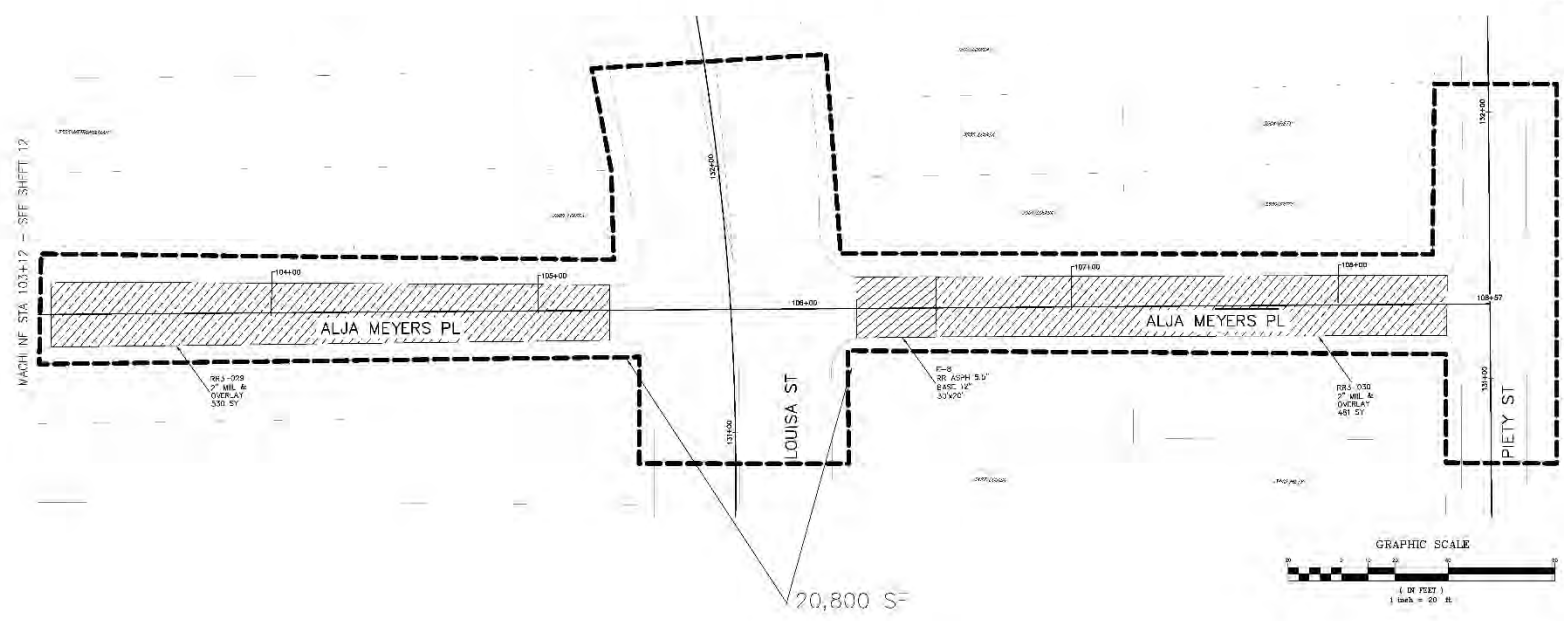
NO SURVEY PERFORMED FOR THIS AREA, LOCATIONS ARE APPROXIMATE IN NATURE AND SHOULD BE FIELD VERIFIED.

- EXISTING (FINE LINE)
- NEW CONSTRUCTION (BROAD LINE)
- REQUIRES REMOVAL AND/OR RECONSTRUCTION OF CONC/CL: PAVEMENT, SIDEWALK, CURB AND RAMP AND SIGN (R-X)
- REQUIRES REMOVAL AND/OR REPLACEMENT OF ASP ALI: RESURFACE COURSE 2"AW (ANSI 1.11)
- REQUIRES REMOVAL AND/OR REPLACEMENT OF ASP-MI/CONCRETE: CONC-100018 (CONCRETE) AND SIGN (ANSI 1.51/7/12)
- REQUIRES COLD MIX/COLD PLACING AND REPLACEMENT OF ASPHALT SURFACE COURSE AND 2"AW (ANSI 1.13)
- REMOVAL/CONSTRUCT DASHED CURB
- REMOVAL/CONSTRUCT MOUNTABLE CURB

SHEET NUMBER		12
BY		
REVISION DESCRIPTION		
NO.	DATE	
DESIGNED BY	SCALE	1" = 20'
DRAWN BY	DATE	12-22-2016
CHECKED BY	SHEET	
CITY OF NEW ORLEANS DEPARTMENT OF PUBLIC WORKS PROJECT ID: RR026 PROJECT NO. 2016-RR026 RR3-DESIRE GROUP A (PMOP) 3100 ALJA MEYERS PL		

## 3150-3200 ALJA MEYERS PI

**GRID NORTH**  
 NORTH REFERENCED TO MISSISSAUGA  
 STATE PLANE COORDINATE SYSTEM  
 SOUTH ZONE, NAD 83.



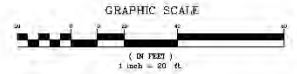
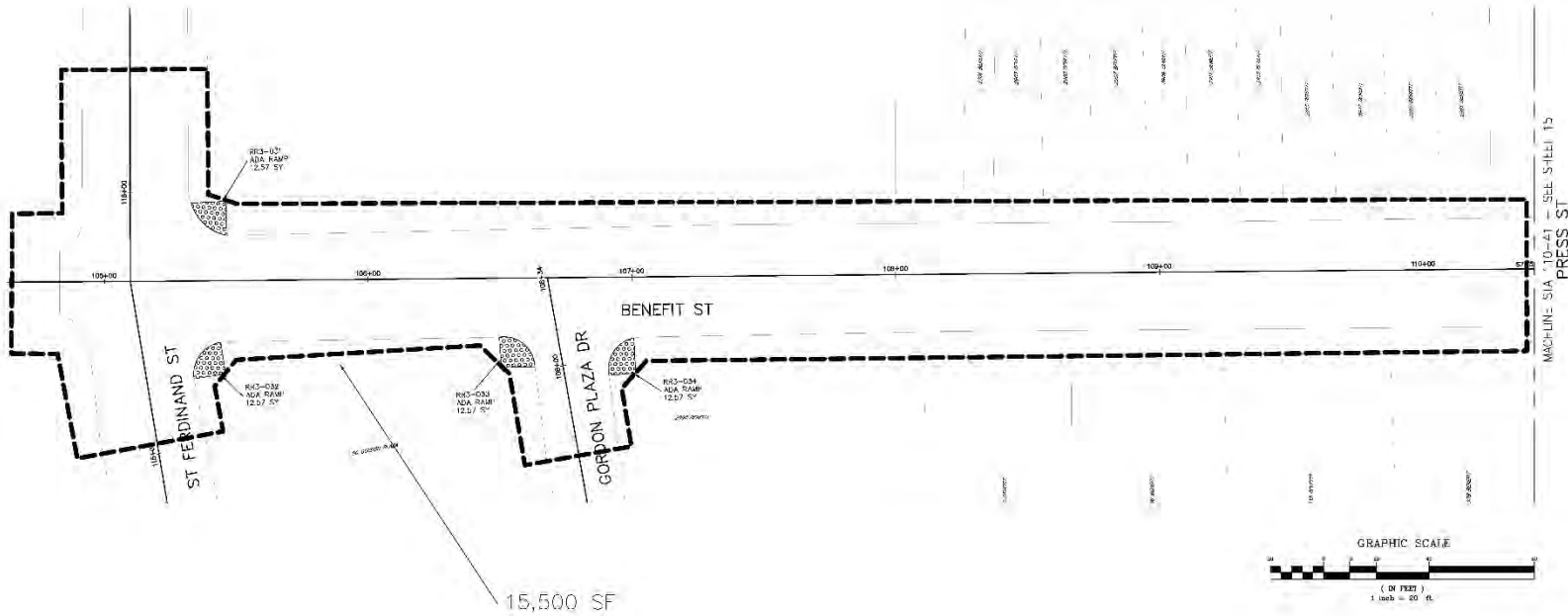
- EXISTING (PINE LINE)
- NEW CURB FINISH (REGAL LINE)
- ⊡⊡⊡ REQUIRED REMOVAL AND/OR REPAIR OF CONC/BI PAVEMENT, SPURIN K, OR ADA RAMP OLD RW (HPX) REMOVE AND REPAIR (R&S)
- ▨▨▨ REQUIRED REMOVAL AND/OR PLACEMENT OF ASPHALT AND/OR CONCRETE
- ▨▨▨ REQUIRED REMOVAL AND/OR PLACEMENT OF ASPHALT/CONCRETE COMPOSITE ROADWAY OLD RW (ANSI 1.3 / HP3)
- ▨▨▨ REQUIRED COLD MIX/COLD PLACING AND PLACEMENT OF ASPHALT SURFACE COURSE (NO DPW (ANSI 7-33)
- REMOVE/CONSTRUCT BARRIERS CURBS
- REMOVE/CONSTRUCT MOUNTABLE CURB

NO SURVEY PERFORMED FOR THIS AREA, LOCATIONS ARE APPROXIMATE IN NATURE AND SHOULD BE FIELD VERIFIED.

SHEET NUMBER	
13	BY
NO.	DATE
NO.	REVISION DESCRIPTION
PREPARED BY T.M.P. DRAWN BY T.M.P. CHECKED BY T.M.P.	DATE 11-25-2016 SHEET 13 OF 13
CITY OF NEW ORLEANS DEPARTMENT OF PUBLIC WORKS PROJECT ID: RR026 PROJECT NO. 2016-RR026	
RW3-DESIRE GROUP A (PMOP) 3150-3200 ALJA MEYERS E.	



2900 BENFFT



- EXISTING (PAVE LINE)
- NEW CONSTRUCTION (BROAD LINE)
- [Pattern] REQUIRED REMOVAL AND/OR PLACEMENT OF CONCRETE, GRANITE, SERRAVALLO ADA RAMP AND DPW (HEX)
- [Pattern] REQUIRED REMOVAL AND/OR PLACEMENT OF ASPHALT SIDEWALK AND DPW (SAND 3/4)
- [Pattern] REQUIRED REMOVAL AND/OR PLACEMENT OF ASPHALT/CONCRETE COMPOSITE HIGHWAY CURB DPW (ANSI 312/118 X)
- [Pattern] REQUIRED COLD MILL/COLD PLANTING AND PLACEMENT OF ASPHALT SURFACE COURSE AND DPW (ANSI 133)
- REMOVE/CONSTRUCT BARRIER CURB
- REMOVE/CONSTRUCT MOUNTAIN CURB

NO SURVEY PERFORMED FOR THIS AREA. LOCATIONS ARE APPROXIMATE IN NATURE AND SHOULD BE FIELD VERIFIED.



NO.	DATE	REVISION DESCRIPTION	BY
14			



DREW: J. HARRIS  
 CHECKED: J. HARRIS  
 DATE: 12-22-2016  
 SHEET: 14 OF 15  
 PROJECT: 2016-RR026



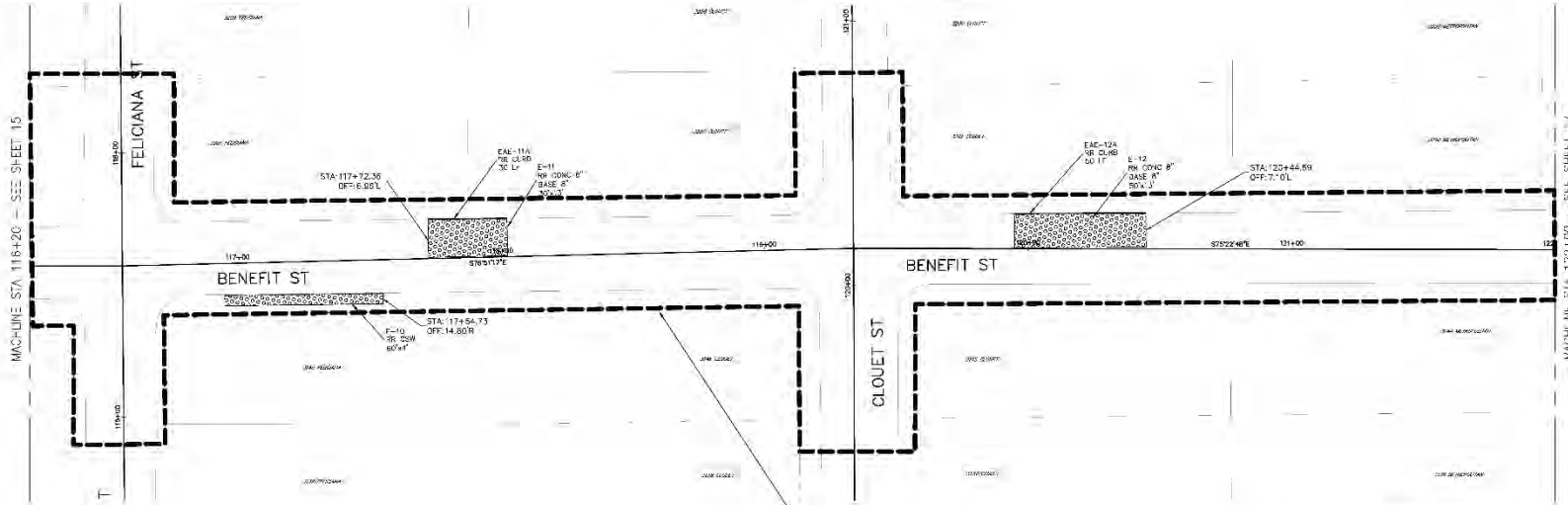
CITY OF NEW ORLEANS DEPARTMENT OF PUBLIC WORKS  
 PROJECT ID: RR026 PROJECT NO. 2016-RR026  
 RR3-DESIRE GROUP A (PMOP)  
 2900 BENFFT



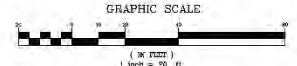


3100 BENEF I

GRID NORTH  
NORTH ARROW POINT TO THE CENTER  
STATE PLANE COORDINATE SYSTEM  
SOUTH ZONE NAD 83



21,00 SF

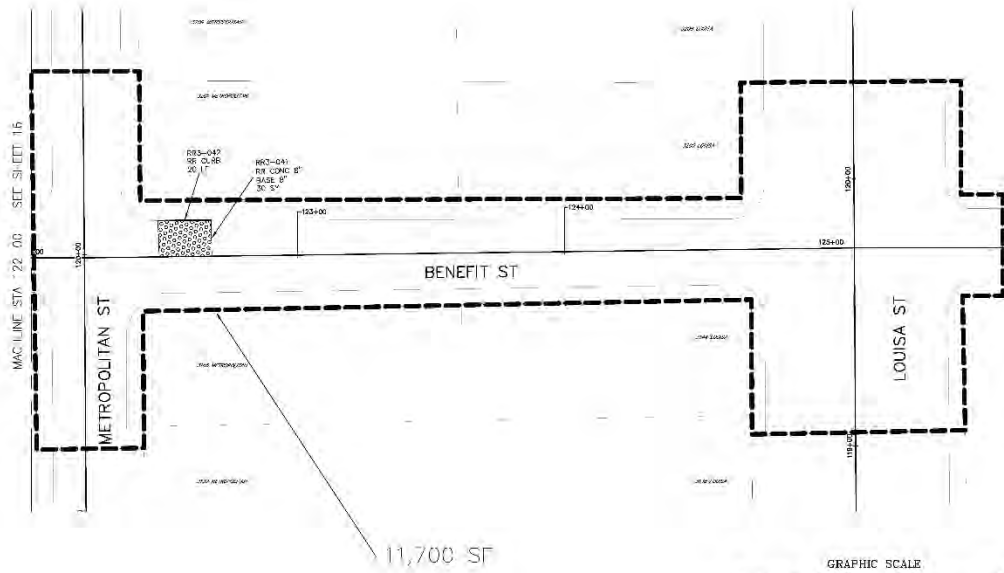


- EXISTING (FINE LINE)
- NEW CONSTRUCTION (THICK LINE)
- [Pattern] REQUIRED PAVEMENT AN/OR PLACEMENT OF CONC/CRCT PAVEMENT, SURFACE, OR ADA RAMP AND DOW (HPX)
- [Pattern] REQUIRED REMOVAL AN/OR PLACEMENT OF ASPHALT SURFACE AND DOW (ANSI 141)
- [Pattern] REQUIRED REMOVAL AN/OR PLACEMENT OF ASPHALT/CONCRETE COMPOSITE SURFACE AND DOW (ANSI 131/HPX)
- [Pattern] REQUIRED GOLF HILL/CURB PAVING AND PLACEMENT OF ASPHALT SURFACE COURSE AND DOW (ANSI 33)
- [Pattern] REMOVE/CONSTRUCT CURB OR GUTTER
- [Pattern] REMOVE/CONSTRUCT MOUNTAIN CURB

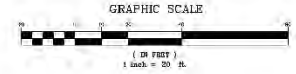
NO SURVEY PERFORMED FOR THIS AREA, LOCATIONS ARE APPROXIMATE IN NATURE AND SHOULD BE FIELD VERIFIED.

SHEET NUMBER	
18	BY
NO.	DATE
REVISION	DESCRIPTION
DESIGNED BY	SCALE
CHECKED BY	DATE
CHECKED BY	SHEET
CITY OF NEW ORLEANS DEPARTMENT OF PUBLIC WORKS PROJECT ID: RR026 PROJECT NO. 2016-RR026 RR3-DESIRE GROUP A (PMOP) SHEET 18 OF 18 3100 BENEFIT	

# 3150 BENEFIT



11,700 SF

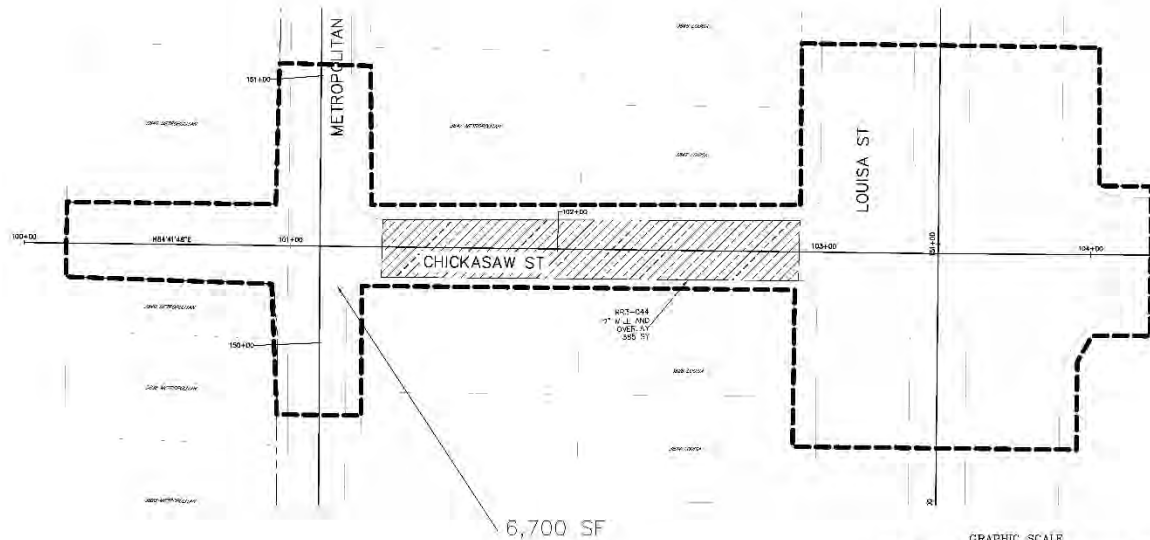


- EXISTING (FINE LINE)
- NEW CONSTRUCTION (BROAD LINE)
- ▨ REQUIRED REMOVAL AND/OR PLACEMENT OF CONCRETE CURB, SIDEWALK, OR ADA RAMP (CND 119) (PW)
- ▨ REQUIRED REMOVAL AND/OR PLACEMENT OF ASPHALT SURFACE COURSE (CND 133)
- ▨ REQUIRED REMOVAL AND/OR PLACEMENT OF ASPHALT/CORNER II CURBSIDE - PROHIBIT (CND 314) (ANSI 112/113)
- ▨ REQUIRED COLD MILL/COLD PLACING AND PLACEMENT OF ASPHALT SURFACE COURSE (CND 133)
- ▨ REMOVE/CONSTRUCT BARRIERS CURB
- ▨ REMOVE/CONSTRUCT MOUNTABLE CURB

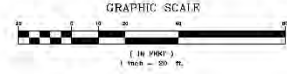
NO SURVEY PERFORMED FOR THIS AREA. LOCATIONS ARE APPROXIMATE IN NATURE AND SHOULD BE FIELD VERIFIED.

SHEET NUMBER	14									
NO.	DATE	REVISION	DESCRIPTION	BY						
<small>PHENY GROUP, INC. ENGINEER &amp; SURVEYOR, INC.                  100 PINE ST. SUITE 2000                  METairie, Louisiana 70002</small>										
(DESIGNED) EMP	(CHECKED) JVL	(DRAWN) JVL	(CHECKED) JVL	SCALE 1" = 20'	DATE 12-28-2016	SHEET 14				BY
CITY OF NEW ORLEANS DEPARTMENT OF PUBLIC WORKS PROJECT ID: RR026 PROJECT NO. 2016-RR026 RR3-DESIRE GROUP A (PMOI)										
3150 BENEFIT										

# 3200 CHICKASAW ST



GRID NORTH  
 NORTH APPROXIMATE TO LOUISIANA  
 STATE PLANE COORDINATE SYSTEM  
 SOUTH ZONE, NAD 83



6,700 SF

- ===== EXISTING (1/4" = 10')
- ===== NEW CONSTRUCTION (BROAD LINE)
- ===== REQUIRED REMOVAL AND/OR PLACEMENT OF CONCRETE PAVEMENT, SIDEWALK, OR ADA RAMP (C/O C/PW (HEX))
- ===== REQUIRED REMOVAL AND/OR PLACEMENT OF ASPHALT ROADWAY C&D (HW (ANSI '31))
- ===== REQUIRED REMOVAL AND/OR PLACEMENT OF ASPHALT/CONCRETE COMPOSITE ROADWAY C&D (HW (ANSI '12'/HEX))
- ===== REQUIRED C&D M/I/CO/D PAVING AND PLACEMENT OF ASPHALT SURFACE COURSE C&D (C/PW (ANSI '33))
- ===== REMOVE/CONSTR\_C/BARRIER C/RB
- ===== REMOVE/CONSTR\_C/B MOUNTABLE CURB

NO SURVEY PERFORMED FOR THIS AREA, LOCATIONS ARE APPROXIMATE IN NATURE AND SHOULD BE FIELD VERIFIED.

SHEET NUMBER	18
BY	
NO.	DATE
REVISION DESCRIPTION	

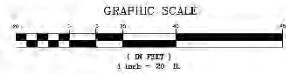
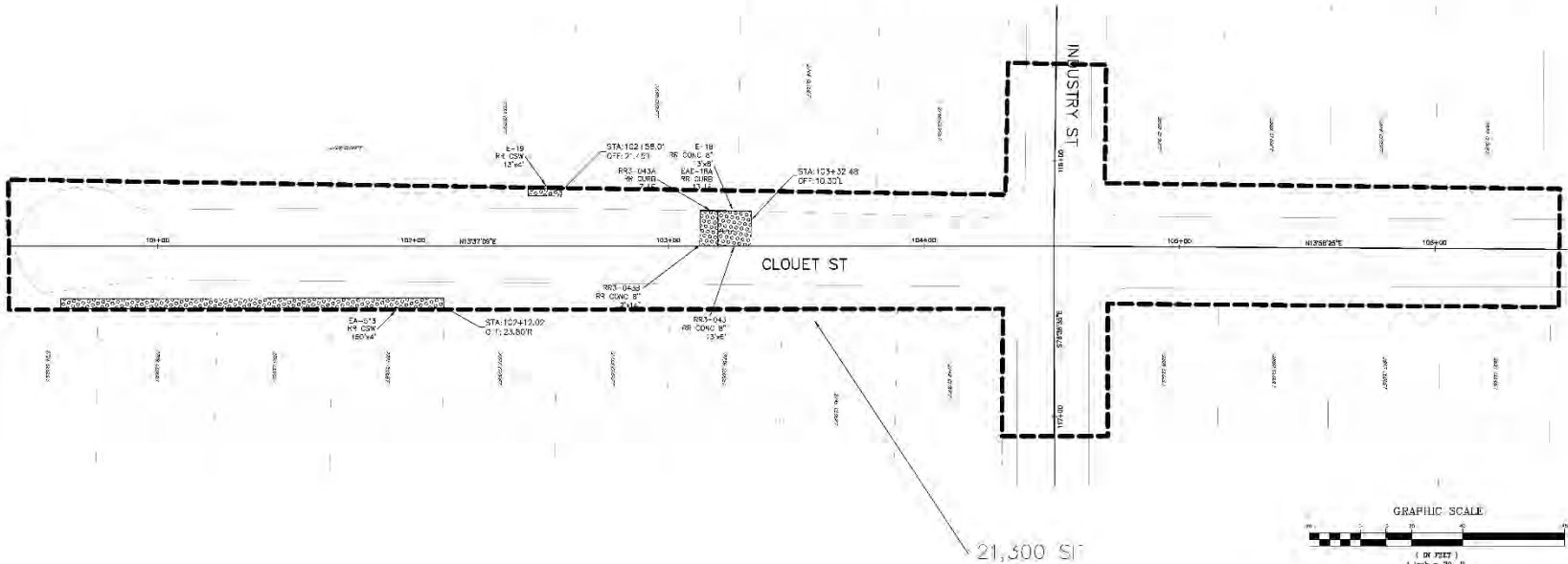
PREPARED BY: HENRY GUYER ENGINEERING & CONSTRUCTION, INC.  
 PROJECT NO.: 2016-RR026  
 SHEET NO.: 18 OF 20

DESIGNER: [Signature]  
 CHECKED: [Signature]  
 SCALE: 1" = 20'  
 DATE: 12-22-2016

CITY OF NEW ORLEANS DEPARTMENT OF PUBLIC WORKS  
 PROJECT ID: RR026 PROJECT NO. 2016-RR026  
 RR3-DESIRE GROUP A (PMOP)  
 3200 CHICKASAW ST



2700 CLOUET



- EXISTING (FINE LINE)
- NEW CONSTRUCTION (BROAD LINE)
- REQUIRED REMOVAL AND/OR PLACEMENT OF CURB/SLAB
- REQUIRED REMOVAL AND/OR PLACEMENT OF ASPHALT
- REQUIRED REMOVAL AND/OR PLACEMENT OF ASPHALT/CONCRETE
- REQUIRED COLD MILL/COLD PLACING AND PLACEMENT OF ASPHALT SURFACE COURSE AND DPW (ANSI 133)
- REMOVE/CONSTRUCT SANITARY CURB
- REMOVE/CONSTRUCT MOUNTABLE CURB

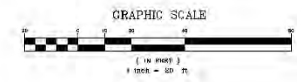
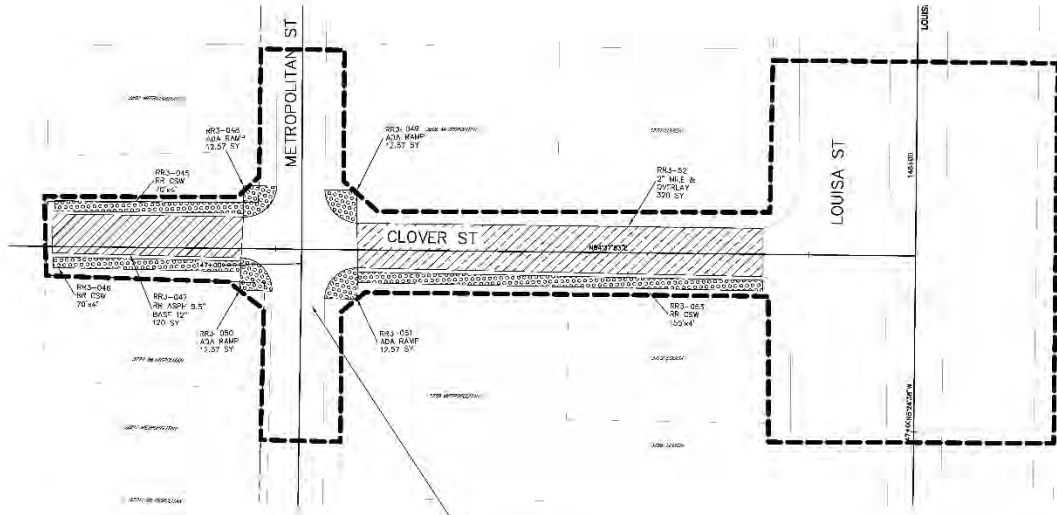
NO SURVEY PERFORMED FOR THIS AREA. LOCATIONS ARE APPROXIMATE IN NATURE AND SHOULD BE FIELD VERIFIED.

SHEET NUMBER	19
BY	
NO.	
DATE	
REVISION	
DESCRIPTION	

DESIGNED BY T.M.P.	SCALE 1" = 20'
CHECKED BY T.M.P.	DATE 12-02-2016
SHEET	

CITY OF NEW ORLEANS DEPARTMENT OF PUBLIC WORKS  
PROJECT ID: RR026 PROJECT NO. 2016-RR026  
RR3-DESIRE GROUP A (PMOP)  
2700 CLOUET

# 3200 CLOVER



- EXISTING (FINE LINE)
- NEW CONSTRUCTION (THICK LINE)
- D, ● B IF REMOVE, AMB/CRP IF ACME NT D, CONCR II  
-AM N-N, -SER ASPK, US ADA -AMB CON'S (UPP) (CHK)
- (E.G. W/LL) REMOVE, AMB/CRP IF ACME NT D ASPH/L/CONCR II  
CONCR II (E.G. W/LL) SER (TANK 133, 134, 135)
- (E.G. W/LL) REMOVE, AMB/CRP IF ACME NT D ASPH/L/CONCR II  
SER (E.G. W/LL) SER (TANK 133, 134, 135)
- (E.G. W/LL) REMOVE, AMB/CRP IF ACME NT D ASPH/L/CONCR II  
SER (E.G. W/LL) SER (TANK 133, 134, 135)
- REMOVE/CONSTRUCT BARRIER (D.U.)
- REMOVE/CONSTRUCT MOUNTABLE CURB

NO SURVEY PERFORMED FOR THIS AREA, LOCATIONS ARE APPROXIMATE IN NATURE AND SHOULD BE FIELD VERIFIED.



SHEET NUMBER	NO.		DATE	REVISION DESCRIPTION	BY
20					

DESIGNED BY	SCALE = 20'
DRAWN BY	DATE 02-25-2016
CHECKED BY	SHEET 2

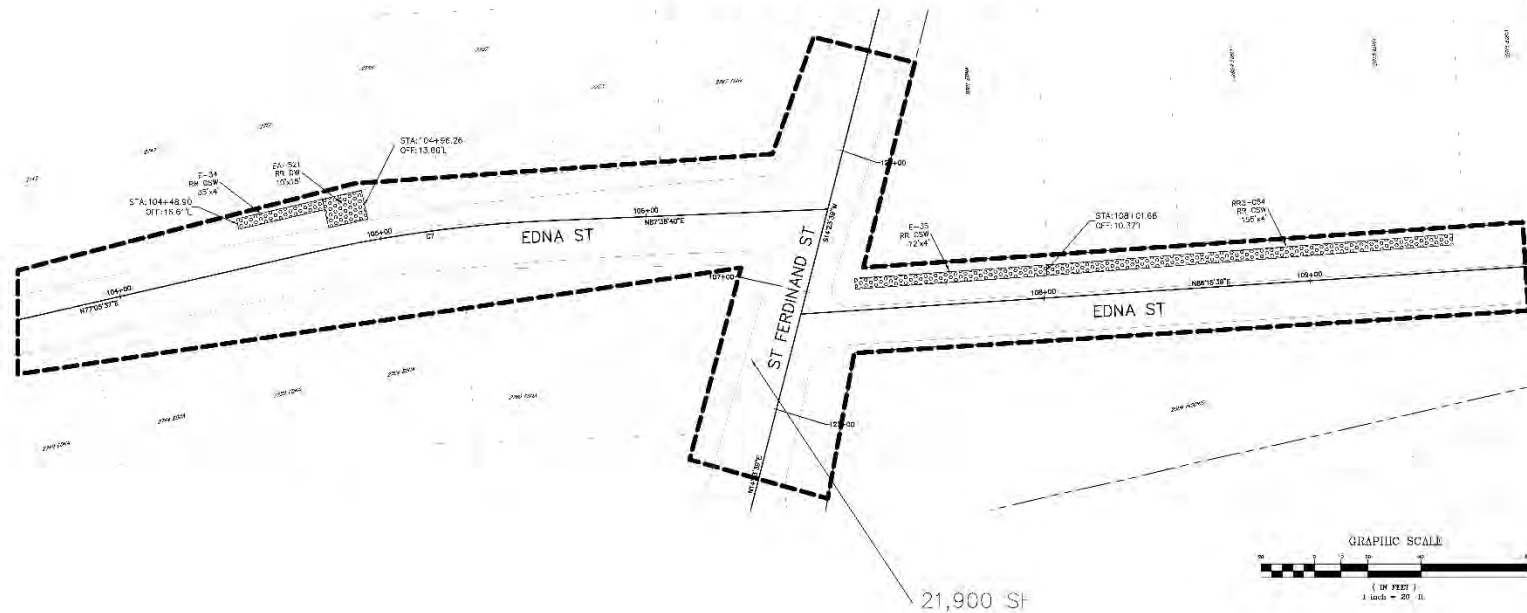
  

CITY OF NEW ORLEANS DEPARTMENT OF PUBLIC WORKS PROJECT ID: RR026 PROJECT NO. 2016-RR026 RR3-DESIRE GROUP A (PMOP) 3200 CLOVER	SHEET NO. 18-C-2015E
--	----------------------





2700-2800 EDNA ST



**GRID NORTH**  
NORTH REFERENCED TO ILLINOIS STATE PLANE COORDINATE SYSTEM  
GCSN12 DATUM NAD 83

NO.	DATE	REVISION DESCRIPTION
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DESIGNER	DATE	SCALE	SHEET
EMMP	11-25-2016	AS SHOWN	12 OF 23
CHECKED			
CHECKER			



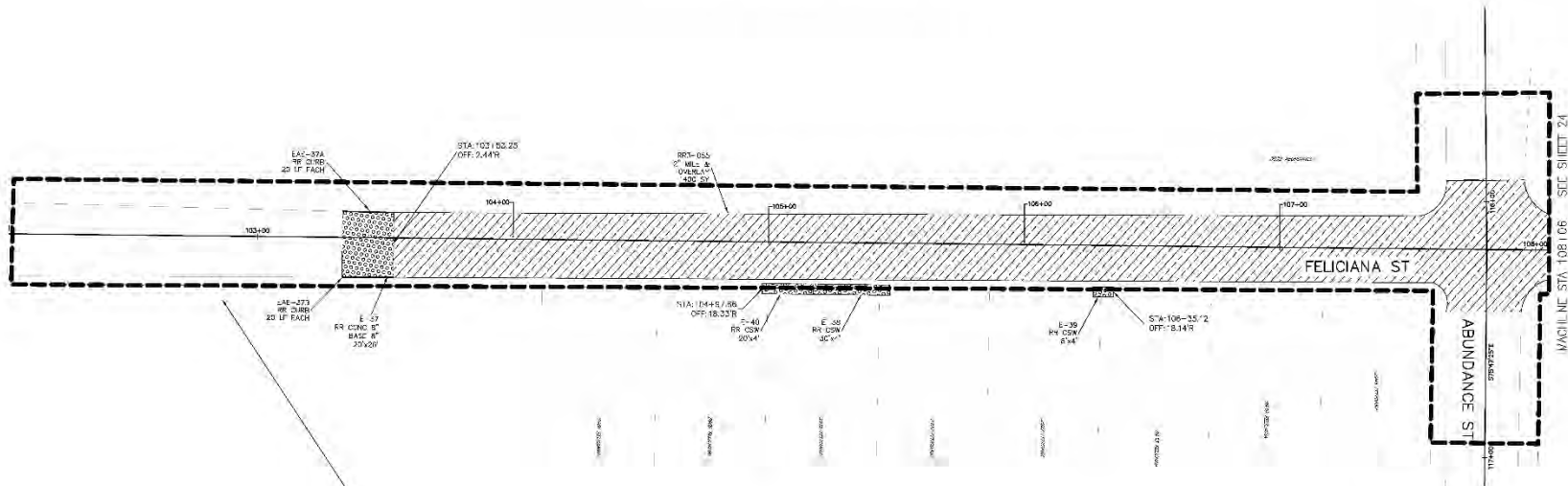
CITY OF NEW ORLEANS DEPARTMENT OF PUBLIC WORKS  
PROJECT ID: RW226 PROJECT NO. 2016-RW226  
RR3-DESIRE GROUP A (PMOP)  
2700-2800 EDNA



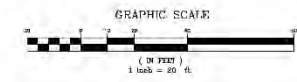
- EXISTING (FINE LINE)
- NEW CONSTRUCTION (THICK LINE)
- 1. D. B. FIELD REMOVAL AND/OR RE-ACREMENT OF CONCERN (E. ARRANGING, SEWER, UTILITY, AND WASTEWATER TRENCH)
- 2. C. B. FIELD REMOVAL AND/OR RE-ACREMENT OF ASPHALT
- 3. R. B. FIELD REMOVAL AND/OR RE-ACREMENT OF ASPHALT/CONCRETE
- 4. D. B. FIELD REMOVAL AND/OR RE-ACREMENT OF CONCERN (E. ARRANGING, SEWER, UTILITY, AND WASTEWATER TRENCH)
- 5. R. B. FIELD REMOVAL AND/OR RE-ACREMENT OF ASPHALT SURFACE COURSE AND/OR ASPHALT SURFACE COURSE AND/OR ASPHALT
- 6. REMOVE/CONSTRUCT BARRIER CURB
- 7. REMOVE/CONSTRUCT MOUNTABLE CURB

NO SURVEY PERFORMED FOR THIS AREA. LOCATIONS ARE APPROXIMATE IN NATURE AND SHOULD BE FIELD VERIFIED.

2800-2900 FELICIANA



27,000 SF



- EXISTING (FINE LINE)
- NEW CONSTRUCTION (THICK LINE)
- [Hatched pattern] 1. G. B. R. D. REMOVA. AND/OR RE-ACUREMENT OF CONCRETE CURB AND/OR SIDEWALK. USE AREA (ASPH) OR ASPH (CONC) CURB
- [Hatched pattern] 1. G. B. R. D. REMOVA. AND/OR RE-ACUREMENT OF ASPHALT SURFACE COURSE (CONC) (CONC) (CONC)
- [Hatched pattern] 1. G. B. R. D. REMOVA. AND/OR RE-ACUREMENT OF ASPHALT SURFACE COURSE (CONC) (CONC) (CONC)
- [Hatched pattern] 1. G. B. R. D. REMOVA. AND/OR RE-ACUREMENT OF ASPHALT SURFACE COURSE (CONC) (CONC) (CONC)
- [Hatched pattern] 1. G. B. R. D. REMOVA. AND/OR RE-ACUREMENT OF ASPHALT SURFACE COURSE (CONC) (CONC) (CONC)
- [Hatched pattern] REMOVE/CONSTRUCT BARRIER CURB
- [Hatched pattern] REMOVE/CONSTRUCT MOUNTABLE CURB

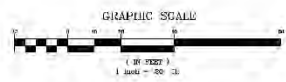
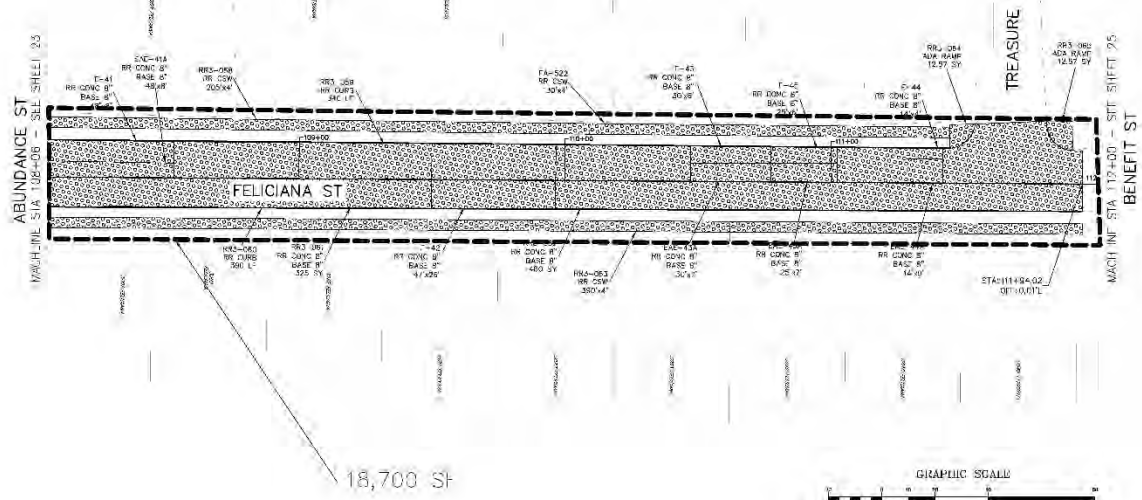
NO SURVEY PERFORMED FOR THIS AREA, LOCATIONS ARE APPROXIMATE IN NATURE AND SHOULD BE FIELD VERIFIED.

SHEET NUMBER	22	NO.	DATE	REVISION DESCRIPTION	BY
DESIGNED	EMP	SCALE	1" = 20'	DATE	12-28-2016
CHECKED	NO	SHEET	12-28-2016		
CHECKED	NO				

MATTHEW L. GAGNIER, P.E.  
 STATE OF LOUISIANA  
 LICENSE NO. 10001

CITY OF NEW ORLEANS DEPARTMENT OF PUBLIC WORKS  
 PROJECT ID: RR026 PROJECT NO. 2016-RR026  
 RR3-DESIRE GROUP A (PMOP)  
 2800-2900 FELICIANA

# 3000 FELICIANA

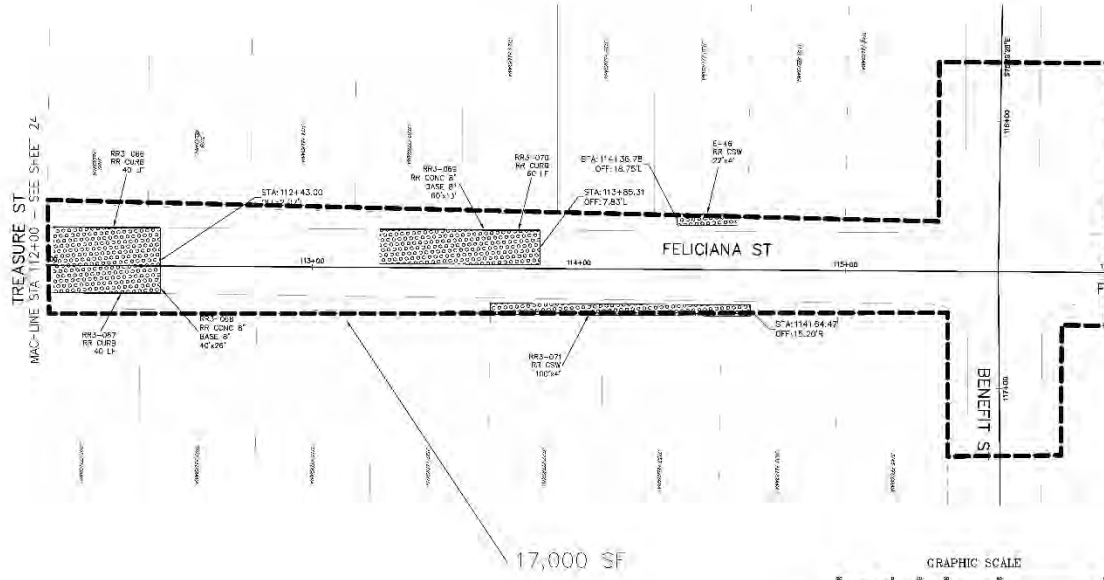


NO SURVEY PERFORMED FOR THIS AREA, LOCATIONS ARE APPROXIMATE IN NATURE AND SHOULD BE FIELD VERIFIED.

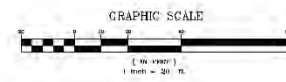
- EXISTING (FINE LINE)
- NEW CONSTRUCTION (2016) (FINE)
- 1. EXISTING REMOVAL (ACCOMPLISHMENT OF) CONCRETE (ASPHALT) SURFACE COURSE (ANSI 133)
- 2. EXISTING REMOVAL (ACCOMPLISHMENT OF) ASPHALT (CONCRETE) SURFACE COURSE (ANSI 133)
- 3. EXISTING REMOVAL (ACCOMPLISHMENT OF) ASPHALT (CONCRETE) SURFACE COURSE (ANSI 133)
- 4. EXISTING REMOVAL (ACCOMPLISHMENT OF) ASPHALT (CONCRETE) SURFACE COURSE (ANSI 133)
- 5. EXISTING REMOVAL (ACCOMPLISHMENT OF) ASPHALT (CONCRETE) SURFACE COURSE (ANSI 133)
- 6. EXISTING REMOVAL (ACCOMPLISHMENT OF) ASPHALT (CONCRETE) SURFACE COURSE (ANSI 133)
- 7. EXISTING REMOVAL (ACCOMPLISHMENT OF) ASPHALT (CONCRETE) SURFACE COURSE (ANSI 133)
- 8. EXISTING REMOVAL (ACCOMPLISHMENT OF) ASPHALT (CONCRETE) SURFACE COURSE (ANSI 133)
- 9. EXISTING REMOVAL (ACCOMPLISHMENT OF) ASPHALT (CONCRETE) SURFACE COURSE (ANSI 133)
- 10. EXISTING REMOVAL (ACCOMPLISHMENT OF) ASPHALT (CONCRETE) SURFACE COURSE (ANSI 133)
- 11. EXISTING REMOVAL (ACCOMPLISHMENT OF) ASPHALT (CONCRETE) SURFACE COURSE (ANSI 133)
- 12. EXISTING REMOVAL (ACCOMPLISHMENT OF) ASPHALT (CONCRETE) SURFACE COURSE (ANSI 133)
- 13. EXISTING REMOVAL (ACCOMPLISHMENT OF) ASPHALT (CONCRETE) SURFACE COURSE (ANSI 133)
- 14. EXISTING REMOVAL (ACCOMPLISHMENT OF) ASPHALT (CONCRETE) SURFACE COURSE (ANSI 133)
- 15. EXISTING REMOVAL (ACCOMPLISHMENT OF) ASPHALT (CONCRETE) SURFACE COURSE (ANSI 133)
- 16. EXISTING REMOVAL (ACCOMPLISHMENT OF) ASPHALT (CONCRETE) SURFACE COURSE (ANSI 133)
- 17. EXISTING REMOVAL (ACCOMPLISHMENT OF) ASPHALT (CONCRETE) SURFACE COURSE (ANSI 133)
- 18. EXISTING REMOVAL (ACCOMPLISHMENT OF) ASPHALT (CONCRETE) SURFACE COURSE (ANSI 133)
- 19. EXISTING REMOVAL (ACCOMPLISHMENT OF) ASPHALT (CONCRETE) SURFACE COURSE (ANSI 133)
- 20. EXISTING REMOVAL (ACCOMPLISHMENT OF) ASPHALT (CONCRETE) SURFACE COURSE (ANSI 133)

<p>GRID NORTH          NORTH REFERENCED TO LOUISIANA          STATE PLANE COORDINATE SYSTEM          EPOCH 2011, NAD 83</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 10%;">NO.</th> <th style="width: 40%;">DATE</th> <th style="width: 50%;">REVISION DESCRIPTION</th> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> </table>	NO.	DATE	REVISION DESCRIPTION									
NO.	DATE	REVISION DESCRIPTION											
<p>PROJECT: PAVING PW 21032 (PW 20539 (DONOR PW)) PROJECT ID: RR026 PROJECT NO. 2016-RR026 RR3-DESIRE GROUP A (PMOP)</p> <p>SCALE: 1" = 20'</p> <p>CHECKED: [Signature]</p> <p>DRAWN: [Signature]</p>													
<p>CITY OF NEW ORLEANS DEPARTMENT OF PUBLIC WORKS          PROJECT ID: RR026 PROJECT NO. 2016-RR026          RR3-DESIRE GROUP A (PMOP)          3000 FELICIANA</p>													

# 3100 FELICIANA



17,000 SF



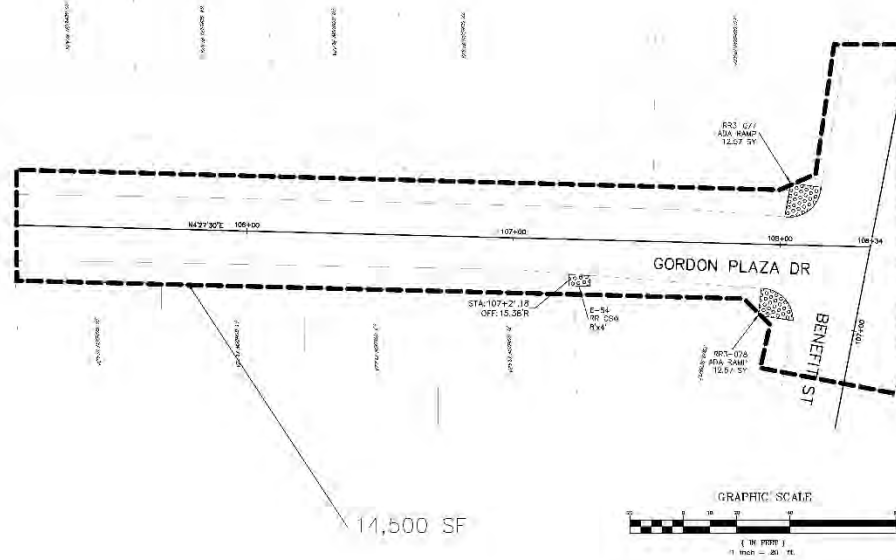
- EXISTING (FINE LINE)
- NEW CONSTRUCTION (THICK LINE)
- GRASS (HATCH)
- ASPHALT PAVEMENT (HATCH)
- CONCRETE PAVEMENT (HATCH)
- ASPHALT SURFACE COURSE (HATCH)
- REMOVE/CONSTRUCT BARRIER CURB
- REMOVE/CONSTRUCT MOUNTAIN CURB

NO SURVEY PERFORMED FOR THIS AREA, LOCATIONS ARE APPROXIMATE IN NATURE AND SHOULD BE FIELD VERIFIED.

SHEET NUMBER	20
BY	
NO.	DATE
REVISION	DESCRIPTION
DESIGNED BY	SCALE = 1" = 20'
CHECKED BY	DATE 12-20-2016
CHECKED BY	SHEET
CITY OF NEW ORLEANS DEPARTMENT OF PUBLIC WORKS PROJECT ID: RR026 PROJECT NO. 2016-RR026 RR3-DESIRE GROUP A (PMOP) 3100 FELICIANA	



# 1-80 GORDON PLAZA DRIVE



NO.	DATE	REVISION DESCRIPTION	BY
2/			



DESIGNED BY	SCALE	SHEET
DRAWN BY	1" = 20'	17-205-2016
CHECKED BY		



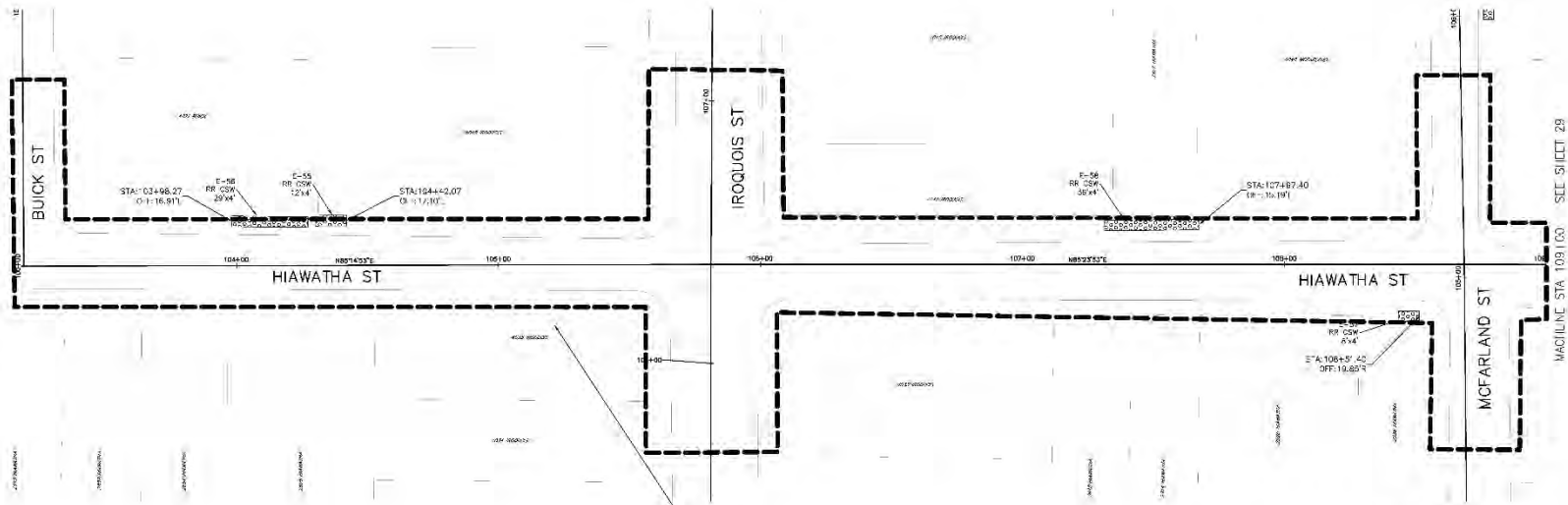
CITY OF NEW ORLEANS DEPARTMENT OF PUBLIC WORKS  
 PROJECT ID: RR026 PROJECT NO. 2016-RR026  
 RR3-DESIRE GROUP A (PMOP)  
 1-80 GORDON PLAZA DRIVE



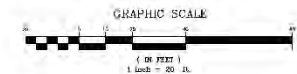
- EXISTING (FINE LINE)
- NEW CONSTRUCTION (THICK LINE)
- E.G. BUILT REMOVE AND/OR RE-ACUREMENT OF CONCRETE
- AWM N. NEW ASPHALT AND ADA (AWP) ON (P)P (P)P
- E.G. BUILT REMOVE AND/OR RE-ACUREMENT OF ASPHALT
- CONCRETE CONC. CURB (ASCS 133)
- E.G. BUILT REMOVE AND/OR RE-ACUREMENT OF ASPHALT/CONCRETE
- CONCRETE CONC. CURB (ASCS 133)
- REG. BUILT CONC. W/LL/COLD PLACING AND PLACEMENT OF
- ASPHALT SURFACE COURSE CHO. DPW (ASCS 133)
- REMOVE/CONSTRUCT BARRIER CURB
- REMOVE/CONSTRUCT MOUNTABLE CURB

NO SURVEY PERFORMED FOR THIS AREA, LOCATIONS ARE APPROXIMATE IN NATURE AND SHOULD BE FIELD VERIFIED.

# 2850-2900 HIWATHA



24,700 S



- EXISTING (FINE LINE)
- NEW CONSTRUCTION (THICK LINE)
- 1. D. B. D. REMOVA. AND/OR PLACEMENT OF CONCRETE
- 2. A. M. N. S. E. R. A. S. I. C. U. S. A. A. M. A. S. I. C. S. P. W. C. P. C.
- 3. G. R. E. D. R. E. M. O. V. A. A. N. D. / O. R. P. L. A. C. E. M. E. N. T. O. F. A. S. P. H. A. L. T.
- 4. G. R. E. D. R. E. M. O. V. A. A. N. D. / O. R. P. L. A. C. E. M. E. N. T. O. F. A. S. P. H. A. L. T. / C. O. N. C. R. E. T.
- 5. U. N. I. F. O. R. M. I. T. I. O. N. R. E. M. O. V. A. A. N. D. / O. R. P. L. A. C. E. M. E. N. T. O. F. A. S. P. H. A. L. T.
- 6. G. R. E. D. R. E. M. O. V. A. A. N. D. / O. R. P. L. A. C. E. M. E. N. T. O. F. A. S. P. H. A. L. T. / S. U. R. F. A. C. E. C. O. U. R. S. E. C. H. O. D. P. W. (A. S. T. M. 133)
- 7. R. E. M. O. V. A. / C. O. N. S. T. R. U. C. T. B. A. R. R. I. E. R. (S. U. I. S.)
- 8. R. E. M. O. V. A. / C. O. N. S. T. R. U. C. T. M. O. U. N. T. A. B. L. E. C. U. R. B.

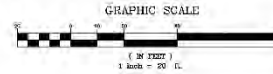
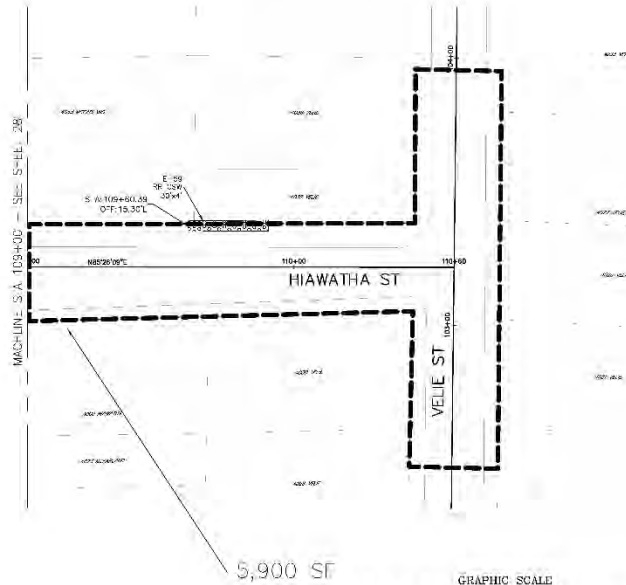
NO SURVEY PERFORMED FOR THIS AREA, LOCATIONS ARE APPROXIMATE IN NATURE AND SHOULD BE FIELD VERIFIED.

GRID NORTH  
NORTH MERIDIAN TO LOUISIANA  
STATE PLANE COORDINATE SYSTEM  
SOUTH ZONE, NAD 83

MAGNIFIC STA 109100 SEE SHEET 28

SHEET NUMBER	
28	BY
NO.	DATE
REVISION	DESCRIPTION
DESIGNED BY	SCALE = 1" = 20'
DRAWN BY	DATE: 12-22-2016
CHECKED BY	SHEET
CITY OF NEW ORLEANS DEPARTMENT OF PUBLIC WORKS PROJECT ID: RR26 PROJECT NO. 2016-RR026 RR3-DESIRE GROUP A (PMOP) 2850-2900 HIWATHA	

3000 HIAWATHA



NO SURVEY PERFORMED FOR THIS AREA, LOCATIONS ARE APPROXIMATE IN NATURE AND SHOULD BE FIELD VERIFIED.

- EXISTING (FINE LINE)
- NEW CONSTRUCTION (THICK LINE)
- 1. G. B. R. D. REMOVA. AND/OR RE-ACREMENT OF CONCRETE
- 2. ASPHALT REMOVA. AND/OR RE-ACREMENT OF ASPHALT
- 3. G. B. R. D. REMOVA. AND/OR RE-ACREMENT OF ASPHALT/CONCRETE
- 4. G. B. R. D. REMOVA. AND/OR RE-ACREMENT OF ASPHALT/CONCRETE
- 5. G. B. R. D. REMOVA. AND/OR RE-ACREMENT OF ASPHALT/CONCRETE
- 6. G. B. R. D. REMOVA. AND/OR RE-ACREMENT OF ASPHALT/CONCRETE
- 7. G. B. R. D. REMOVA. AND/OR RE-ACREMENT OF ASPHALT/CONCRETE
- 8. G. B. R. D. REMOVA. AND/OR RE-ACREMENT OF ASPHALT/CONCRETE
- 9. G. B. R. D. REMOVA. AND/OR RE-ACREMENT OF ASPHALT/CONCRETE
- 10. G. B. R. D. REMOVA. AND/OR RE-ACREMENT OF ASPHALT/CONCRETE
- 11. G. B. R. D. REMOVA. AND/OR RE-ACREMENT OF ASPHALT/CONCRETE
- 12. G. B. R. D. REMOVA. AND/OR RE-ACREMENT OF ASPHALT/CONCRETE
- 13. G. B. R. D. REMOVA. AND/OR RE-ACREMENT OF ASPHALT/CONCRETE
- 14. G. B. R. D. REMOVA. AND/OR RE-ACREMENT OF ASPHALT/CONCRETE
- 15. G. B. R. D. REMOVA. AND/OR RE-ACREMENT OF ASPHALT/CONCRETE
- 16. G. B. R. D. REMOVA. AND/OR RE-ACREMENT OF ASPHALT/CONCRETE
- 17. G. B. R. D. REMOVA. AND/OR RE-ACREMENT OF ASPHALT/CONCRETE
- 18. G. B. R. D. REMOVA. AND/OR RE-ACREMENT OF ASPHALT/CONCRETE
- 19. G. B. R. D. REMOVA. AND/OR RE-ACREMENT OF ASPHALT/CONCRETE
- 20. G. B. R. D. REMOVA. AND/OR RE-ACREMENT OF ASPHALT/CONCRETE

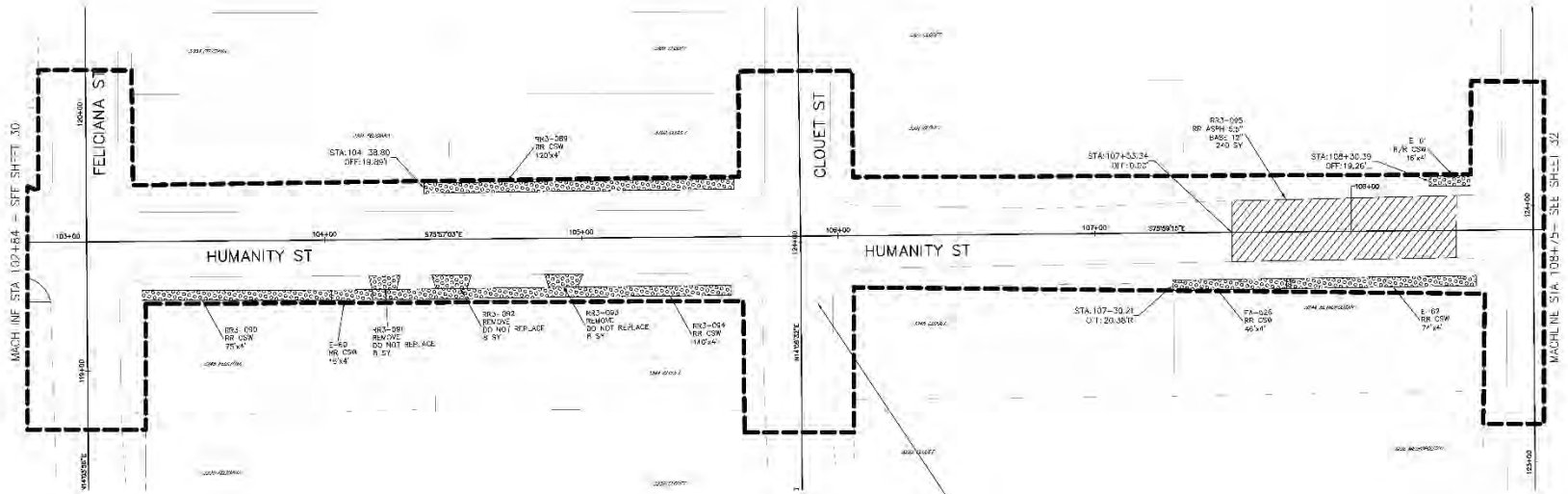
SHEET NUMBER	
29	BY
NO.	DATE
REVISION	DESCRIPTION
DESIGNED BY	SCALE = 1" = 20'
DRAWN BY	DATE 12-28-2016
CHECKED BY	SHEET
PERRY SURVEYING & CONSTRUCTION, INC. 1000 W. 10TH ST., SUITE 100 MILWAUKEE, WISCONSIN 53233	
CITY OF MILWAUKEE DEPARTMENT OF PUBLIC WORKS PROJECT ID: RR026 PROJECT NO. 2016-RR026	
RR3-DESIRE GROUP A (PMOI) 3000 HIAWATHA	



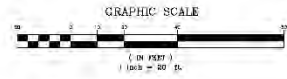


3000 3140 HUMANITY

GRID NORTH  
NORTH REFERENCE TO ILLINOIS  
STATE PLANE COORDINATE SYSTEM  
SOUTH ZONE 14E 93



29,500 SF

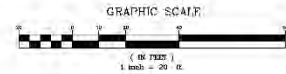
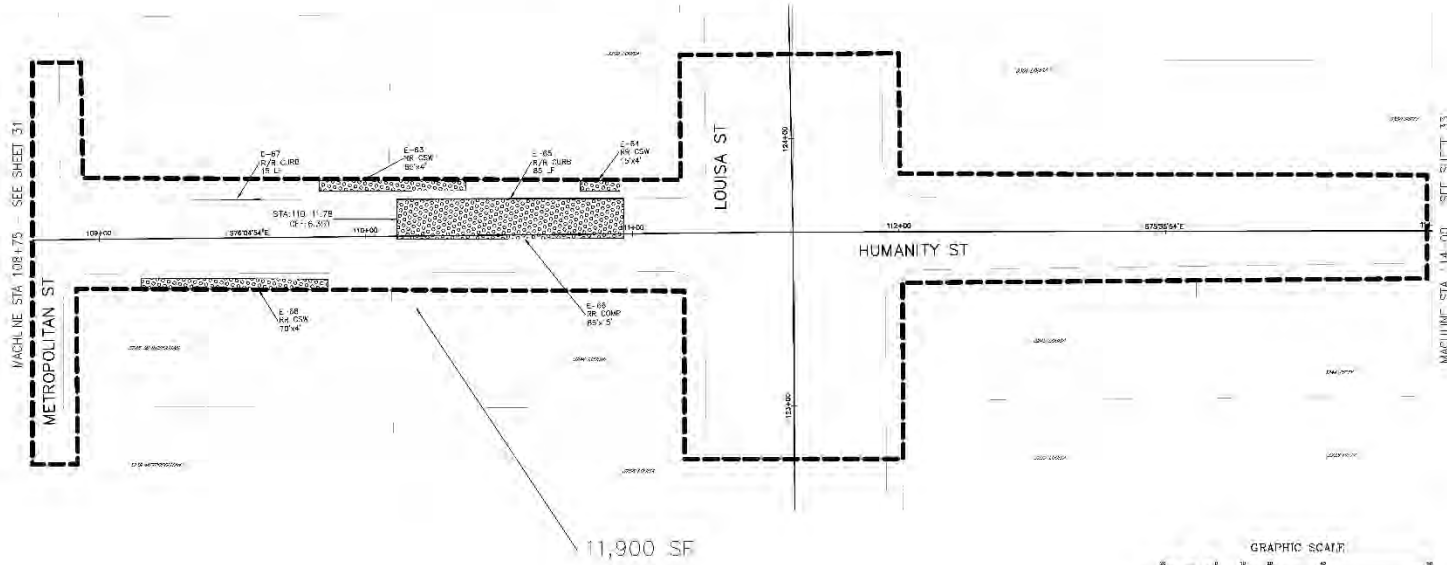


NO SURVEY PERFORMED FOR THIS AREA, LOCATIONS ARE APPROXIMATE IN NATURE AND SHOULD BE FIELD VERIFIED.

- EXISTING (FINE LINE)
- NEW CONSTRUCTION (THICK LINE)
- [Symbol] 1. D. B. I. D. REMOVE AND/OR RE-ACCOMMODATION OF CURB AND GUTTER
- [Symbol] 2. D. B. I. D. REMOVE AND/OR RE-ACCOMMODATION OF ASPHALT CONCRETE CURB (ANSI 133)
- [Symbol] 3. D. B. I. D. REMOVE AND/OR RE-ACCOMMODATION OF ASPHALT CONCRETE CURB (ANSI 133)
- [Symbol] 4. D. B. I. D. REMOVE AND/OR RE-ACCOMMODATION OF ASPHALT CONCRETE CURB (ANSI 133)
- [Symbol] REMOVE/CONSTRUCT MOUNTABLE CURB
- [Symbol] REMOVE/CONSTRUCT MOUNTABLE CURB

SHEET NUMBER	30
NO.	DATE
BY	REVISION DESCRIPTION
DESIGNED BY	SCALE = 1" = 20'
CHECKED BY	DATE: 12-05-2016
CITY OF NEW ORLEANS DEPARTMENT OF PUBLIC WORKS PROJECT ID: RR228 PROJECT NO. 2016-RR228 RR3-DESIRE GROUP A (PMOI) 3000-3140 HUMANITY	

3150 3200 HUMANITY

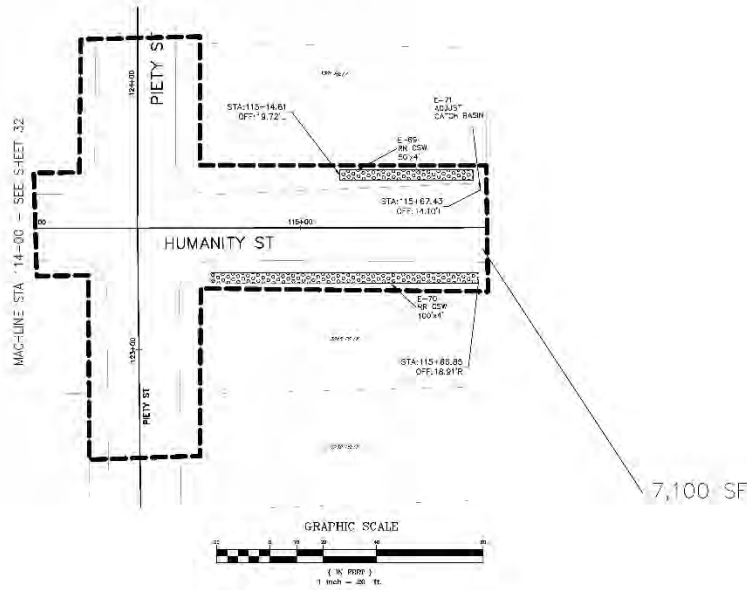


- EXISTING (FINE LINE)
- NEW CONSTRUCTION (THICK LINE)
- (Dotted pattern) 1. D. B. R. D. REMOVA. AND/OR PLACEMENT OF CONCRETE CURB (ASPH. CONC. CURB)
- (Cross-hatch pattern) 1. D. B. R. D. REMOVA. AND/OR PLACEMENT OF ASPHALT SURFACE COURSE (ASPH. CONC. CURB)
- (Diagonal lines) 1. D. B. R. D. REMOVA. AND/OR PLACEMENT OF ASPHALT SURFACE COURSE (ASPH. CONC. CURB)
- (Horizontal lines) 1. D. B. R. D. REMOVA. AND/OR PLACEMENT OF ASPHALT SURFACE COURSE (ASPH. CONC. CURB)
- (Vertical lines) 1. D. B. R. D. REMOVA. AND/OR PLACEMENT OF ASPHALT SURFACE COURSE (ASPH. CONC. CURB)
- (Wavy lines) REMOVE/CONSTRUCT MOUNTABLE CURB
- (Dashed lines) REMOVE/CONSTRUCT MOUNTABLE CURB

NO SURVEY PERFORMED FOR THIS AREA, LOCATIONS ARE APPROXIMATE IN NATURE AND SHOULD BE FIELD VERIFIED.

SHEET NUMBER	32				
NO.	DATE	REVISION	DESCRIPTION	BY	DATE
CITY OF NEW ORLEANS DEPARTMENT OF PUBLIC WORKS PROJECT ID: RR026 PROJECT NO. 2016-RR026					
RR3-DESIRE GROUP A (PMOP) 3150-3200 HUMANITY					
18-C-20154					

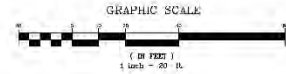
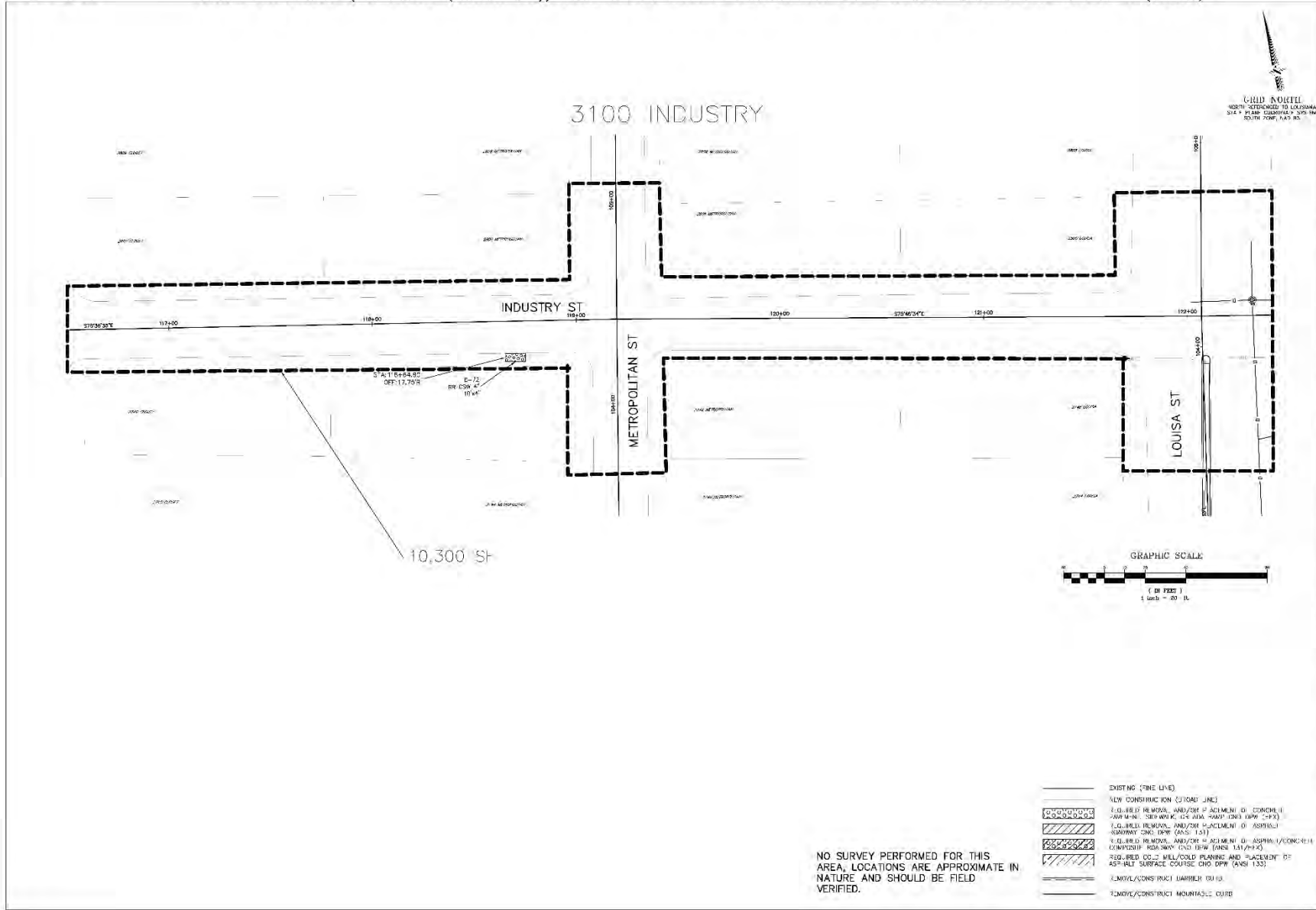
# 3300 HUMANITY



- EXISTING (FINE LINE)
- NEW CONSTRUCTION (THICK LINE)
- ▨ G. B. REPAIR REMOVAL AND/OR RE-PLACEMENT OF CONCRETE
- ▨ ASPHALT REMOVAL AND/OR RE-PLACEMENT OF ASPHALT
- ▨ G. B. REPAIR REMOVAL AND/OR RE-PLACEMENT OF ASPHALT/CONCRETE
- ▨ REMOVAL AND/OR RE-PLACEMENT OF ASPHALT SURFACE COURSE CHD OPW (ANSI 133)
- ▨ REMOVE/CONSTRUCT BARRIER CURB
- ▨ REMOVE/CONSTRUCT MOUNTABLE CURB

NO SURVEY PERFORMED FOR THIS AREA, LOCATIONS ARE APPROXIMATE IN NATURE AND SHOULD BE FIELD VERIFIED.

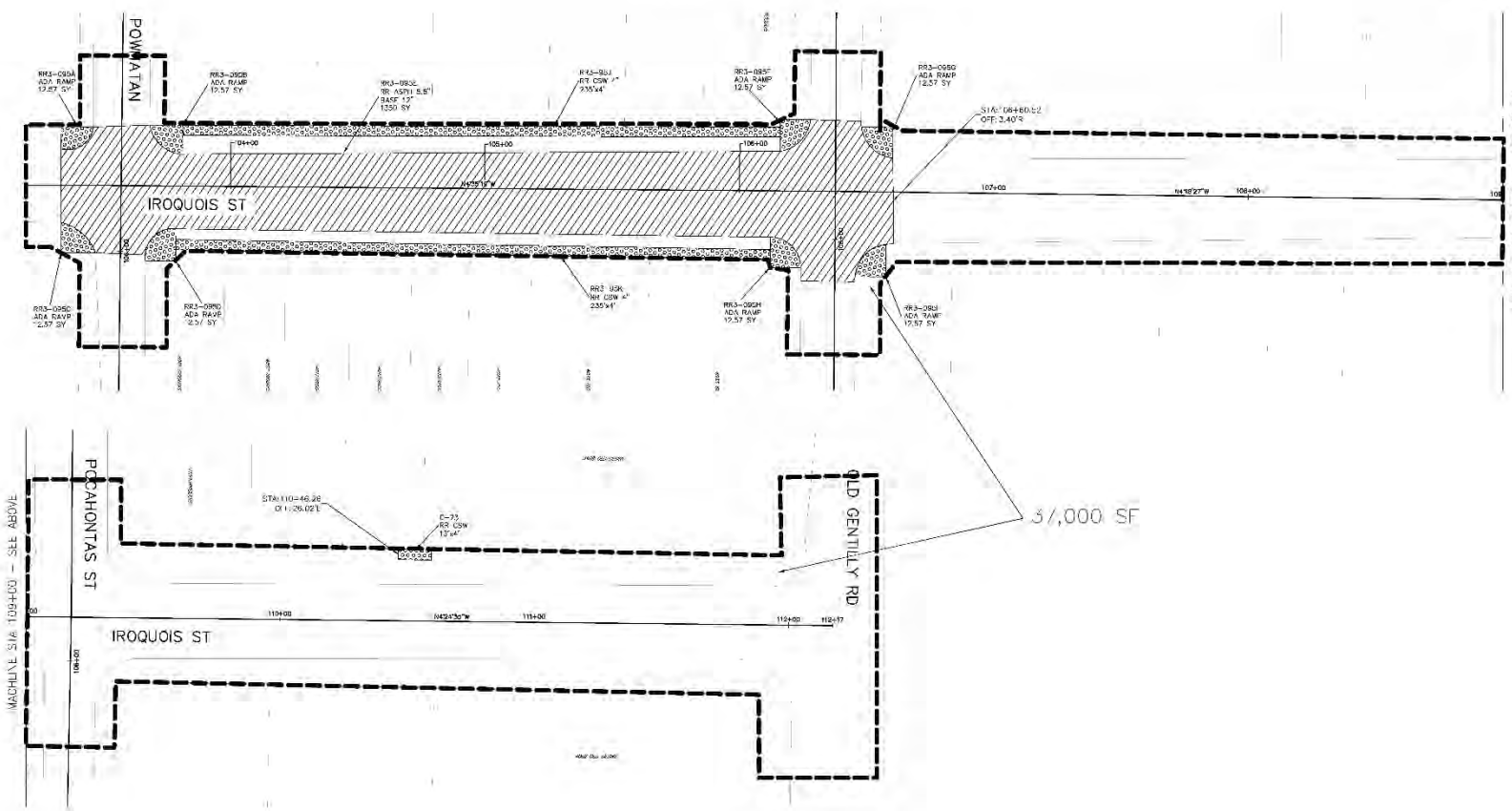
SHEET NUMBER	
33	
BY	REVISION DESCRIPTION
NO.	DATE
DESIGNED BY	SCALE = 20'
DRAWN BY	SHEET 17-DES-2015E
CHECKED BY	SHEET
CHECKED NO.	
CITY OF NOVI STRAINS DEPARTMENT OF PUBLIC WORKS PROJECT ID: RR226 PROJECT NO. 2016-RR226 RR3-DESIRE GROUP A (PMOP) 3300 HUMANITY	



- EXISTING (FINE LINE)
- NEW CONSTRUCTION (THICK LINE)
- GROUND REMOVAL AND/OR PLACEMENT OF CONCRETE
- ASPHALT REMOVAL AND/OR PLACEMENT OF ASPHALT
- GROUND REMOVAL AND/OR PLACEMENT OF ASPHALT/CONCRETE
- CONCRETE REMOVAL AND/OR PLACEMENT OF CONCRETE
- ASPHALT SURFACE COURSE CHO DPM (ANSI 133)
- REMOVE/CONSTRUCT BARRIER CURB
- REMOVE/CONSTRUCT MOUNTABLE CURB

NO SURVEY PERFORMED FOR THIS AREA, LOCATIONS ARE APPROXIMATE IN NATURE AND SHOULD BE FIELD VERIFIED.

SHEET NUMBER <b>34</b>
NO. DATE REVISION DESCRIPTION BY
PERRY SURVEYING & CONSULTING, INC. A PROFESSIONAL CORPORATION METRIC LICENSE NO. 2008
(DESIGN) E.M.P. (CHECKED) J.C.L. (DATE) 11-25-2016 SHEET NO. 34 OF 34
CITY OF NEW ORLEANS DEPARTMENT OF PUBLIC WORKS PROJECT ID: RR226 PROJECT NO. 2016-RR026 RR3-DESIRE GROUP A (PMOPI) 3100 INDUSTRY



MAC-LINE STA 109+00 - SEE ABOVE

MAC-LINE STA 109+00 - SEE BELOW

4000 4100 IROQUOIS

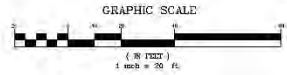
IROQUOIS ST

POWATAN

IROQUOIS ST

POCAHONTAS ST

OLD GENTILITY RD



NO SURVEY PERFORMED FOR THIS AREA, LOCATIONS ARE APPROXIMATE IN NATURE AND SHOULD BE FIELD VERIFIED.

- EXISTING (FINE LINE)
- NEW CONSTRUCTION (THICK LINE)
- 1. G. B. R. R. REMOVAL AND/OR RE-ACCOMMODATION OF CONCRETE CURB AND/OR ADA RAMP (SEE PLAN AND/OR CHOP)
- 2. G. B. R. R. REMOVAL AND/OR RE-ACCOMMODATION OF ASPHALT SURFACE COURSE (SEE PLAN)
- 3. G. B. R. R. REMOVAL AND/OR RE-ACCOMMODATION OF ASPHALT SURFACE COURSE (SEE PLAN)
- 4. G. B. R. R. REMOVAL AND/OR RE-ACCOMMODATION OF ASPHALT SURFACE COURSE (SEE PLAN)
- 5. G. B. R. R. REMOVAL AND/OR RE-ACCOMMODATION OF ASPHALT SURFACE COURSE (SEE PLAN)
- 6. G. B. R. R. REMOVAL AND/OR RE-ACCOMMODATION OF ASPHALT SURFACE COURSE (SEE PLAN)
- 7. G. B. R. R. REMOVAL AND/OR RE-ACCOMMODATION OF ASPHALT SURFACE COURSE (SEE PLAN)
- 8. G. B. R. R. REMOVAL AND/OR RE-ACCOMMODATION OF ASPHALT SURFACE COURSE (SEE PLAN)
- 9. G. B. R. R. REMOVAL AND/OR RE-ACCOMMODATION OF ASPHALT SURFACE COURSE (SEE PLAN)
- 10. G. B. R. R. REMOVAL AND/OR RE-ACCOMMODATION OF ASPHALT SURFACE COURSE (SEE PLAN)
- 11. G. B. R. R. REMOVAL AND/OR RE-ACCOMMODATION OF ASPHALT SURFACE COURSE (SEE PLAN)
- 12. G. B. R. R. REMOVAL AND/OR RE-ACCOMMODATION OF ASPHALT SURFACE COURSE (SEE PLAN)
- 13. G. B. R. R. REMOVAL AND/OR RE-ACCOMMODATION OF ASPHALT SURFACE COURSE (SEE PLAN)
- 14. G. B. R. R. REMOVAL AND/OR RE-ACCOMMODATION OF ASPHALT SURFACE COURSE (SEE PLAN)
- 15. G. B. R. R. REMOVAL AND/OR RE-ACCOMMODATION OF ASPHALT SURFACE COURSE (SEE PLAN)
- 16. G. B. R. R. REMOVAL AND/OR RE-ACCOMMODATION OF ASPHALT SURFACE COURSE (SEE PLAN)
- 17. G. B. R. R. REMOVAL AND/OR RE-ACCOMMODATION OF ASPHALT SURFACE COURSE (SEE PLAN)
- 18. G. B. R. R. REMOVAL AND/OR RE-ACCOMMODATION OF ASPHALT SURFACE COURSE (SEE PLAN)
- 19. G. B. R. R. REMOVAL AND/OR RE-ACCOMMODATION OF ASPHALT SURFACE COURSE (SEE PLAN)
- 20. G. B. R. R. REMOVAL AND/OR RE-ACCOMMODATION OF ASPHALT SURFACE COURSE (SEE PLAN)

SHEET NUMBER		30	
BY	REVISION DESCRIPTION	NO.	DATE

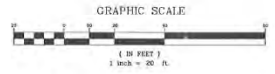
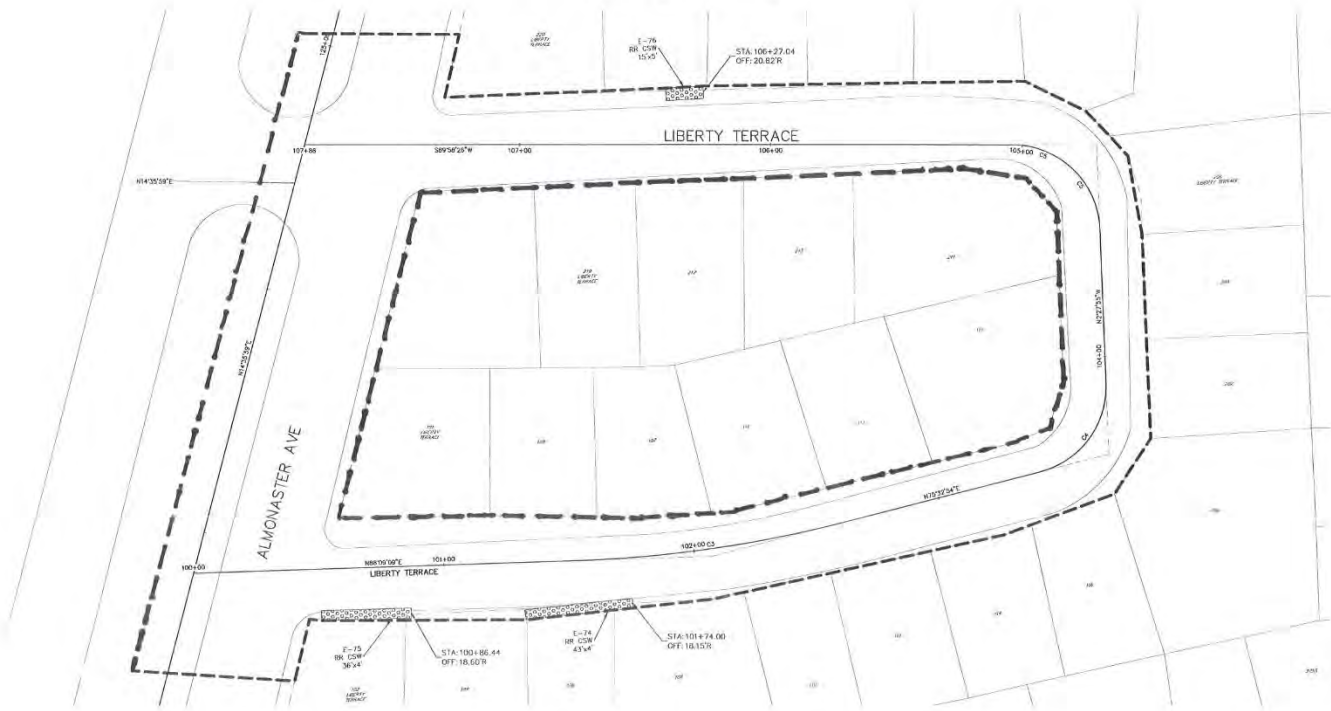
  

DESIGNED BY	SCALE	1" = 20'
	DATE	12-20-2016
CHECKED BY	SHEET	12-20-2016
	CHECKED VOL	

CITY OF NEW ORLEANS DEPARTMENT OF PUBLIC WORKS	
PROJECT ID: RR026 PROJECT NO. 2016-RR026	
RR3-DESIRE GROUP A (PMOP)	
4000-4100 IROQUOIS	

100-200 LIBERTY



- EXISTING (FINE LINE)
- NEW CONSTRUCTION (BROAD LINE)
- ▨ REQUIRED REMOVAL AND/OR PLACEMENT OF CONCRETE PAVEMENT, SIDEWALK, OR ADA RAMP (CND DFW 16.4)
- ▨ REQUIRED REMOVAL AND/OR PLACEMENT OF ASPHALT ROADWAY END DPM (ANSI 13.3)
- ▨ REQUIRED REMOVAL AND/OR PLACEMENT OF ASPHALT/CONCRETE COMPOSITE ROADWAY END DPM (ANSI 13.1/16.4)
- ▨ REQUIRED COLD MALL/COLD PLANNING AND PLACEMENT OF ASPHALT SURFACE COURSE CND (DFW ANSI 13.3)
- REMOVE/CONSTRUCT BARBER CURB
- REMOVE/CONSTRUCT MOUNTABLE CURB

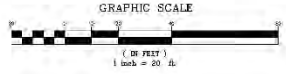
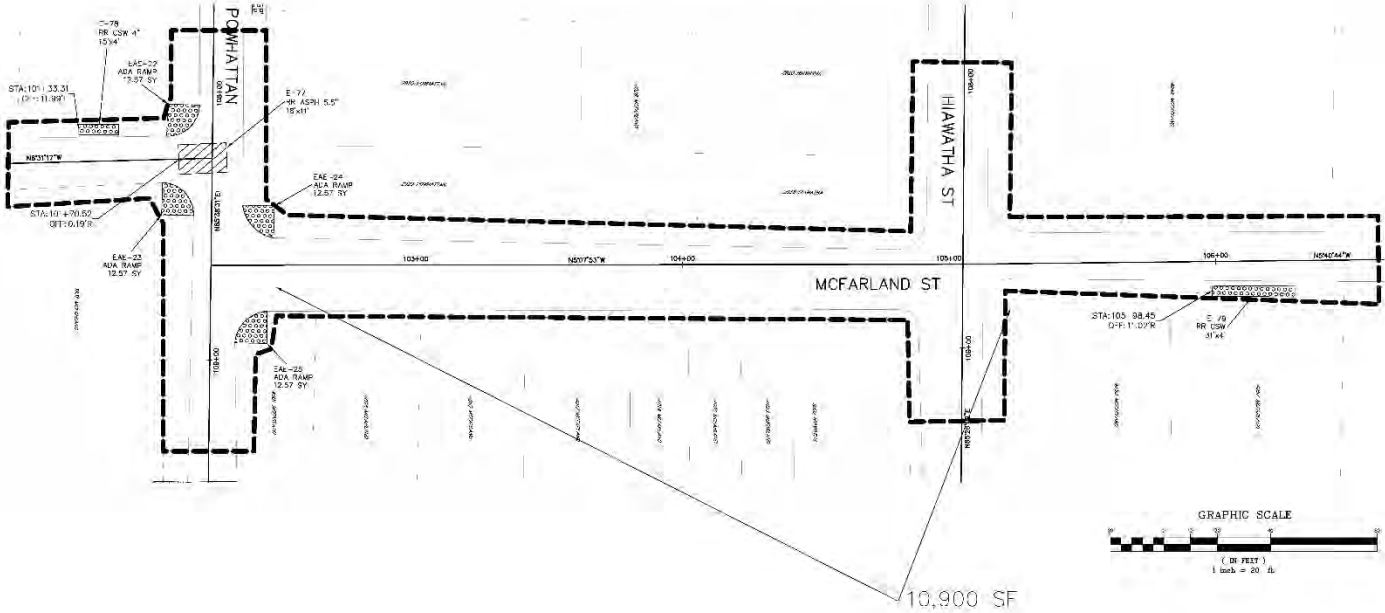
NO SURVEY PERFORMED FOR THIS AREA. LOCATIONS ARE APPROXIMATE IN NATURE AND SHOULD BE FIELD VERIFIED.

	SHEET NUMBER 36
DESIGNER CHECKED DATE	NO. DATE REVISION DESCRIPTION BY
PROJECT NO. 2016-RR026 PROJECT ID: RR026 PROJECT NO. 2016-RR026	SCALE 1" = 30' DATE 12-20-2015 SHEET
CITY OF NEW ORLEANS DEPARTMENT OF PUBLIC WORKS PROJECT ID: RR026 PROJECT NO. 2016-RR026	RR3-DESIRE GROUP A (PMOP) 100-200 LIBERTY



GRID NORTH  
NORTH REFERENCED TO LOUISIANA  
STATE PLAIN 2011 DATUM SYSTEM  
2011 ZONE, NAD 83

3900 4050 MCFARLAND



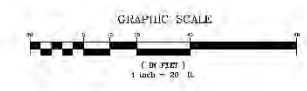
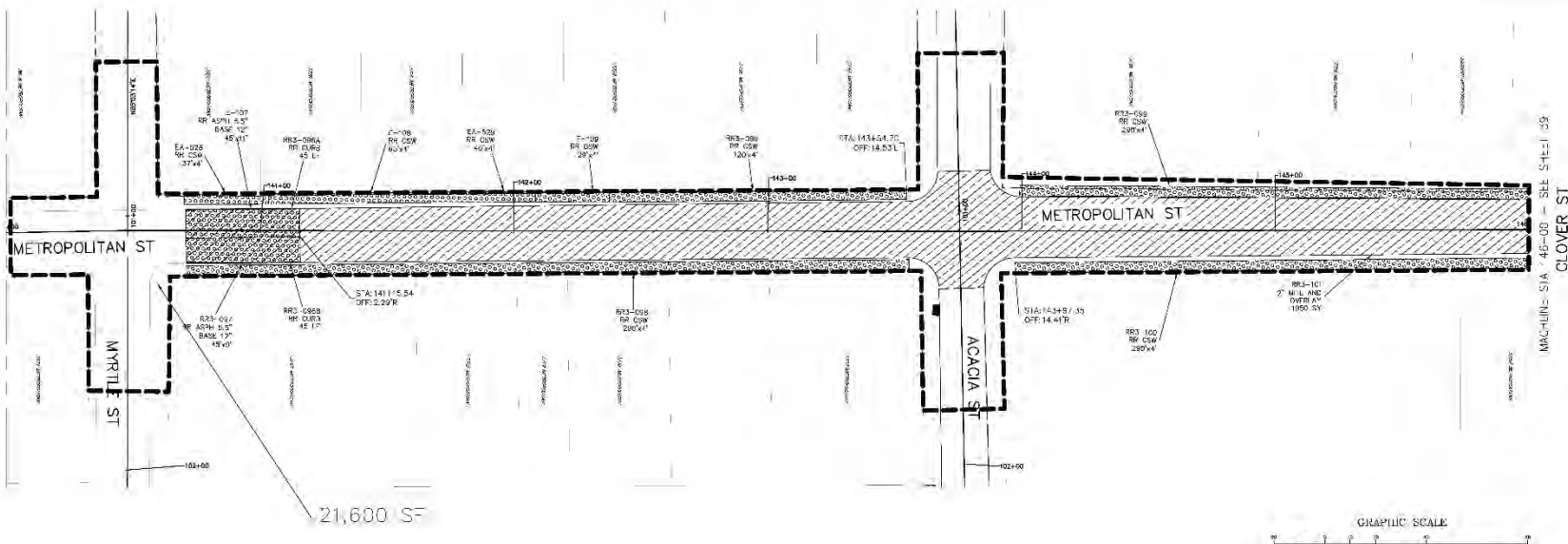
NO SURVEY PERFORMED FOR THIS  
AREA, LOCATIONS ARE APPROXIMATE IN  
NATURE AND SHOULD BE FIELD  
VERIFIED.

- EXISTING (FINE LINE)
- NEW CONSTRUCTION (THICK LINE)
- [Pattern] 1. D.B.E.D. REMOVE, AMB/COR = AC/INCL. OF CONCR. II (AW-M-N). SEE A/S/K, US A/A - (AW) (N) (PW) (P-P)
- [Pattern] 1. G. B.E.D. REMOVE, AMB/COR = PLACEMENT OF ASPHALT SURFACE COURSE (A/S - 1.5)
- [Pattern] 1. D.B.E.D. REMOVE, AMB/COR = AC/INCL. OF ASPHALT/CONCR. II (AW-M-N) SEE A/S/K, US A/A - (AW) (N) (PW) (P-P)
- [Pattern] 1. G. B.E.D. REMOVE, AMB/COR = AC/INCL. OF ASPHALT SURFACE COURSE (A/S - 1.5)
- [Pattern] 1. G. B.E.D. REMOVE, AMB/COR = AC/INCL. OF ASPHALT SURFACE COURSE (A/S - 1.5)
- [Pattern] 1. G. B.E.D. REMOVE, AMB/COR = AC/INCL. OF ASPHALT SURFACE COURSE (A/S - 1.5)
- [Pattern] REMOVE/CONSTRUCT BARRIER (B.U.)
- [Pattern] REMOVE/CONSTRUCT MOUNTABLE CURB

SHEET NUMBER 3/	NO. DATE 	REVISION DESCRIPTION 
		
PREPARED BY: [Name] CHECKED BY: [Name]		
SCALE = 1" = 20' DATE: 12-28-2016 SHEET: 12-28-2016		
		
CITY OF NEW ORLEANS DEPARTMENT OF PUBLIC WORKS PROJECT ID: RR226 PROJECT NO. 2016-RR226 RR3-DESIRE GROUP A (PMOP) 8900-4050 MCFARLAND		
		



3/00 3/50 METROPOLITAN ST



NO SURVEY PERFORMED FOR THIS AREA, LOCATIONS ARE APPROXIMATE IN NATURE AND SHOULD BE FIELD VERIFIED.

- EXISTING (FINE LINE)
- NEW CONSTRUCTION (20' > 1/2" JUNC)
- 1. D. B. D. REMOVE AND/OR RE-ACCOMMODATION OF CONCRETE
- 2. D. B. D. REMOVE AND/OR RE-ACCOMMODATION OF ASPHALT
- 3. D. B. D. REMOVE AND/OR RE-ACCOMMODATION OF ASPHALT
- 4. D. B. D. REMOVE AND/OR RE-ACCOMMODATION OF ASPHALT
- 5. D. B. D. REMOVE AND/OR RE-ACCOMMODATION OF ASPHALT
- 6. D. B. D. REMOVE AND/OR RE-ACCOMMODATION OF ASPHALT
- 7. D. B. D. REMOVE AND/OR RE-ACCOMMODATION OF ASPHALT
- 8. D. B. D. REMOVE AND/OR RE-ACCOMMODATION OF ASPHALT
- 9. D. B. D. REMOVE AND/OR RE-ACCOMMODATION OF ASPHALT
- 10. D. B. D. REMOVE AND/OR RE-ACCOMMODATION OF ASPHALT
- 11. D. B. D. REMOVE AND/OR RE-ACCOMMODATION OF ASPHALT
- 12. D. B. D. REMOVE AND/OR RE-ACCOMMODATION OF ASPHALT
- 13. D. B. D. REMOVE AND/OR RE-ACCOMMODATION OF ASPHALT
- 14. D. B. D. REMOVE AND/OR RE-ACCOMMODATION OF ASPHALT
- 15. D. B. D. REMOVE AND/OR RE-ACCOMMODATION OF ASPHALT
- 16. D. B. D. REMOVE AND/OR RE-ACCOMMODATION OF ASPHALT
- 17. D. B. D. REMOVE AND/OR RE-ACCOMMODATION OF ASPHALT
- 18. D. B. D. REMOVE AND/OR RE-ACCOMMODATION OF ASPHALT
- 19. D. B. D. REMOVE AND/OR RE-ACCOMMODATION OF ASPHALT
- 20. D. B. D. REMOVE AND/OR RE-ACCOMMODATION OF ASPHALT
- 21. D. B. D. REMOVE AND/OR RE-ACCOMMODATION OF ASPHALT
- 22. D. B. D. REMOVE AND/OR RE-ACCOMMODATION OF ASPHALT
- 23. D. B. D. REMOVE AND/OR RE-ACCOMMODATION OF ASPHALT
- 24. D. B. D. REMOVE AND/OR RE-ACCOMMODATION OF ASPHALT
- 25. D. B. D. REMOVE AND/OR RE-ACCOMMODATION OF ASPHALT
- 26. D. B. D. REMOVE AND/OR RE-ACCOMMODATION OF ASPHALT
- 27. D. B. D. REMOVE AND/OR RE-ACCOMMODATION OF ASPHALT
- 28. D. B. D. REMOVE AND/OR RE-ACCOMMODATION OF ASPHALT
- 29. D. B. D. REMOVE AND/OR RE-ACCOMMODATION OF ASPHALT
- 30. D. B. D. REMOVE AND/OR RE-ACCOMMODATION OF ASPHALT
- 31. D. B. D. REMOVE AND/OR RE-ACCOMMODATION OF ASPHALT
- 32. D. B. D. REMOVE AND/OR RE-ACCOMMODATION OF ASPHALT
- 33. D. B. D. REMOVE AND/OR RE-ACCOMMODATION OF ASPHALT
- 34. D. B. D. REMOVE AND/OR RE-ACCOMMODATION OF ASPHALT
- 35. D. B. D. REMOVE AND/OR RE-ACCOMMODATION OF ASPHALT
- 36. D. B. D. REMOVE AND/OR RE-ACCOMMODATION OF ASPHALT
- 37. D. B. D. REMOVE AND/OR RE-ACCOMMODATION OF ASPHALT
- 38. D. B. D. REMOVE AND/OR RE-ACCOMMODATION OF ASPHALT
- 39. D. B. D. REMOVE AND/OR RE-ACCOMMODATION OF ASPHALT
- 40. D. B. D. REMOVE AND/OR RE-ACCOMMODATION OF ASPHALT
- 41. D. B. D. REMOVE AND/OR RE-ACCOMMODATION OF ASPHALT
- 42. D. B. D. REMOVE AND/OR RE-ACCOMMODATION OF ASPHALT
- 43. D. B. D. REMOVE AND/OR RE-ACCOMMODATION OF ASPHALT
- 44. D. B. D. REMOVE AND/OR RE-ACCOMMODATION OF ASPHALT
- 45. D. B. D. REMOVE AND/OR RE-ACCOMMODATION OF ASPHALT
- 46. D. B. D. REMOVE AND/OR RE-ACCOMMODATION OF ASPHALT
- 47. D. B. D. REMOVE AND/OR RE-ACCOMMODATION OF ASPHALT
- 48. D. B. D. REMOVE AND/OR RE-ACCOMMODATION OF ASPHALT
- 49. D. B. D. REMOVE AND/OR RE-ACCOMMODATION OF ASPHALT
- 50. D. B. D. REMOVE AND/OR RE-ACCOMMODATION OF ASPHALT
- 51. D. B. D. REMOVE AND/OR RE-ACCOMMODATION OF ASPHALT
- 52. D. B. D. REMOVE AND/OR RE-ACCOMMODATION OF ASPHALT
- 53. D. B. D. REMOVE AND/OR RE-ACCOMMODATION OF ASPHALT
- 54. D. B. D. REMOVE AND/OR RE-ACCOMMODATION OF ASPHALT
- 55. D. B. D. REMOVE AND/OR RE-ACCOMMODATION OF ASPHALT
- 56. D. B. D. REMOVE AND/OR RE-ACCOMMODATION OF ASPHALT
- 57. D. B. D. REMOVE AND/OR RE-ACCOMMODATION OF ASPHALT
- 58. D. B. D. REMOVE AND/OR RE-ACCOMMODATION OF ASPHALT
- 59. D. B. D. REMOVE AND/OR RE-ACCOMMODATION OF ASPHALT
- 60. D. B. D. REMOVE AND/OR RE-ACCOMMODATION OF ASPHALT
- 61. D. B. D. REMOVE AND/OR RE-ACCOMMODATION OF ASPHALT
- 62. D. B. D. REMOVE AND/OR RE-ACCOMMODATION OF ASPHALT
- 63. D. B. D. REMOVE AND/OR RE-ACCOMMODATION OF ASPHALT
- 64. D. B. D. REMOVE AND/OR RE-ACCOMMODATION OF ASPHALT
- 65. D. B. D. REMOVE AND/OR RE-ACCOMMODATION OF ASPHALT
- 66. D. B. D. REMOVE AND/OR RE-ACCOMMODATION OF ASPHALT
- 67. D. B. D. REMOVE AND/OR RE-ACCOMMODATION OF ASPHALT
- 68. D. B. D. REMOVE AND/OR RE-ACCOMMODATION OF ASPHALT
- 69. D. B. D. REMOVE AND/OR RE-ACCOMMODATION OF ASPHALT
- 70. D. B. D. REMOVE AND/OR RE-ACCOMMODATION OF ASPHALT
- 71. D. B. D. REMOVE AND/OR RE-ACCOMMODATION OF ASPHALT
- 72. D. B. D. REMOVE AND/OR RE-ACCOMMODATION OF ASPHALT
- 73. D. B. D. REMOVE AND/OR RE-ACCOMMODATION OF ASPHALT
- 74. D. B. D. REMOVE AND/OR RE-ACCOMMODATION OF ASPHALT
- 75. D. B. D. REMOVE AND/OR RE-ACCOMMODATION OF ASPHALT
- 76. D. B. D. REMOVE AND/OR RE-ACCOMMODATION OF ASPHALT
- 77. D. B. D. REMOVE AND/OR RE-ACCOMMODATION OF ASPHALT
- 78. D. B. D. REMOVE AND/OR RE-ACCOMMODATION OF ASPHALT
- 79. D. B. D. REMOVE AND/OR RE-ACCOMMODATION OF ASPHALT
- 80. D. B. D. REMOVE AND/OR RE-ACCOMMODATION OF ASPHALT
- 81. D. B. D. REMOVE AND/OR RE-ACCOMMODATION OF ASPHALT
- 82. D. B. D. REMOVE AND/OR RE-ACCOMMODATION OF ASPHALT
- 83. D. B. D. REMOVE AND/OR RE-ACCOMMODATION OF ASPHALT
- 84. D. B. D. REMOVE AND/OR RE-ACCOMMODATION OF ASPHALT
- 85. D. B. D. REMOVE AND/OR RE-ACCOMMODATION OF ASPHALT
- 86. D. B. D. REMOVE AND/OR RE-ACCOMMODATION OF ASPHALT
- 87. D. B. D. REMOVE AND/OR RE-ACCOMMODATION OF ASPHALT
- 88. D. B. D. REMOVE AND/OR RE-ACCOMMODATION OF ASPHALT
- 89. D. B. D. REMOVE AND/OR RE-ACCOMMODATION OF ASPHALT
- 90. D. B. D. REMOVE AND/OR RE-ACCOMMODATION OF ASPHALT
- 91. D. B. D. REMOVE AND/OR RE-ACCOMMODATION OF ASPHALT
- 92. D. B. D. REMOVE AND/OR RE-ACCOMMODATION OF ASPHALT
- 93. D. B. D. REMOVE AND/OR RE-ACCOMMODATION OF ASPHALT
- 94. D. B. D. REMOVE AND/OR RE-ACCOMMODATION OF ASPHALT
- 95. D. B. D. REMOVE AND/OR RE-ACCOMMODATION OF ASPHALT
- 96. D. B. D. REMOVE AND/OR RE-ACCOMMODATION OF ASPHALT
- 97. D. B. D. REMOVE AND/OR RE-ACCOMMODATION OF ASPHALT
- 98. D. B. D. REMOVE AND/OR RE-ACCOMMODATION OF ASPHALT
- 99. D. B. D. REMOVE AND/OR RE-ACCOMMODATION OF ASPHALT
- 100. D. B. D. REMOVE AND/OR RE-ACCOMMODATION OF ASPHALT

SHEET NUMBER	
38	
	BY
	REVISION DESCRIPTION
	NO. DATE
HENRY JOHN F. THOMPSON, P.E. PROJECT ENGINEER METROPOLITAN ST PROJECT NO. 2016-RR026	
DESIGNED CHECKED	SCALE = 20' DATE: 12-02-2016
CITY OF NEW ORLEANS DEPARTMENT OF PUBLIC WORKS PROJECT ID: RR026 PROJECT NO. 2016-RR026	
RR3-DESIRE GROUP A (PMOP)	
2100-3700 METROPOLITAN	



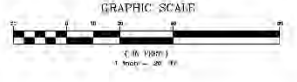
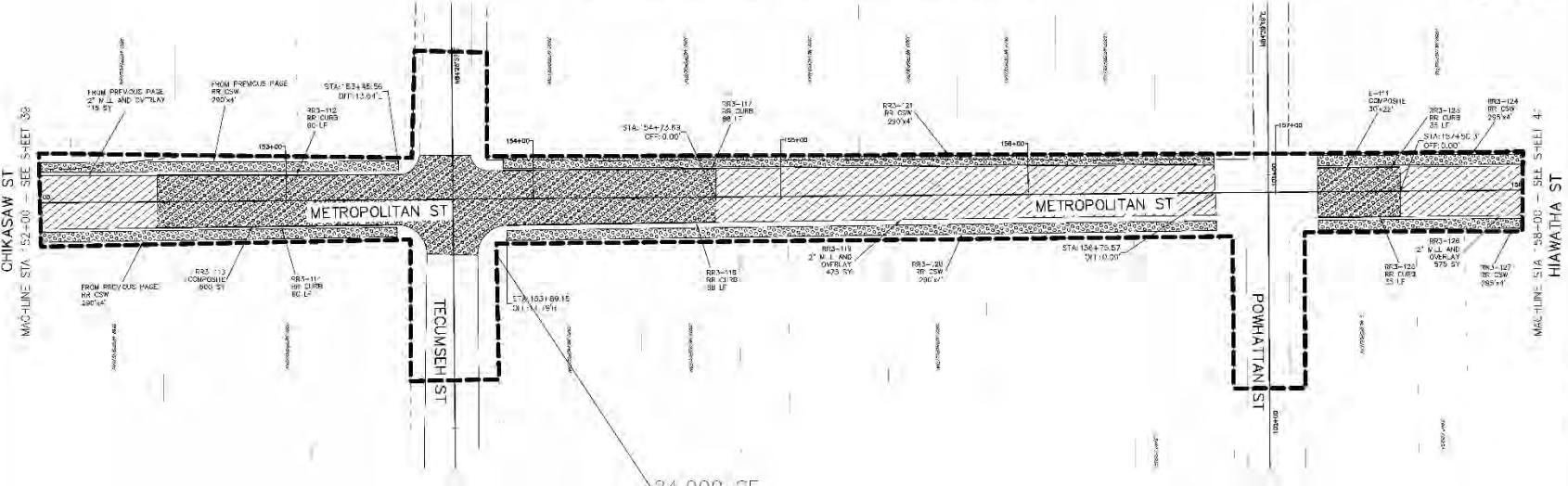
3900 3950 METROPOLITAN ST

GRID NORTH  
 NORTH REFERENCE TO CORNER  
 3 A.M. PLANS COORDINATE SYSTEM  
 500 N. 200', 445 A.L.

NO.	DATE	REVISION DESCRIPTION	BY
40			

DESIGNED BY	SCALE	DATE
DRAWN BY	1" = 20'	12-20-2016
CHECKED BY	SHEET	40

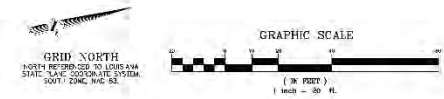
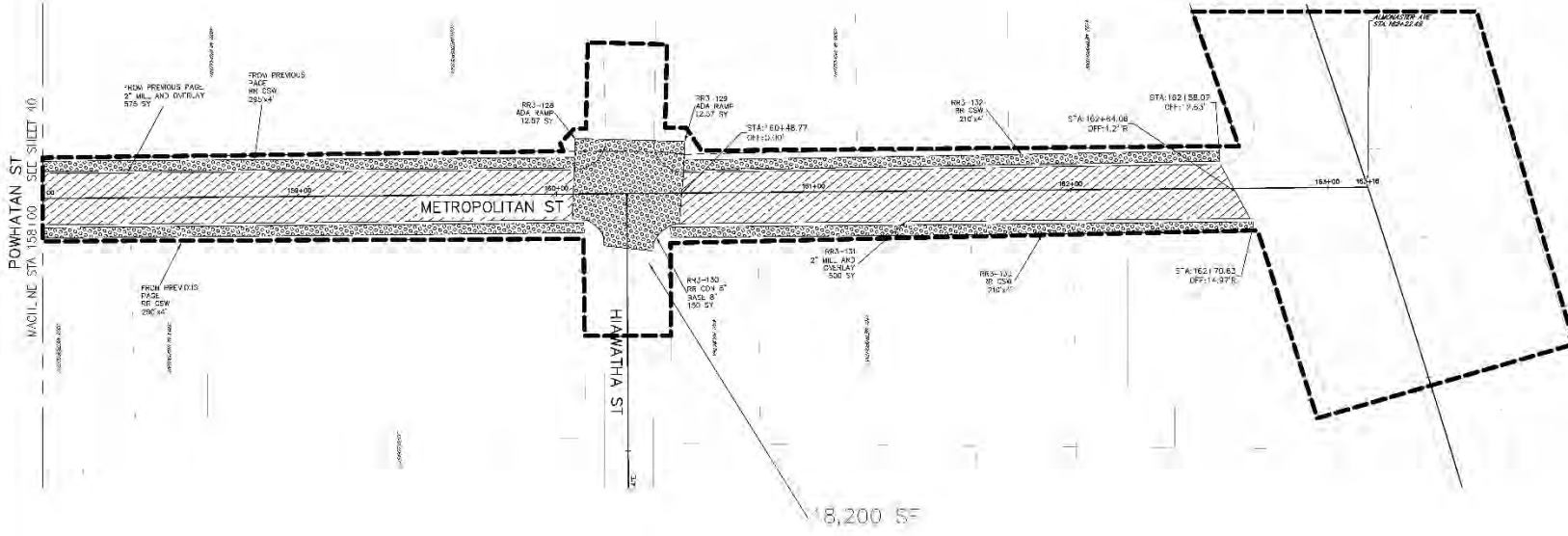
CITY OF NEW ORLEANS DEPARTMENT OF PUBLIC WORKS  
 PROJECT ID: RR026 PROJECT NO. 2016-RR026  
 RR3-DESIRE GROUP A (PMOP)  
 3900-3950 METROPOLITAN



- EXISTING (FINE LINE)
- NEW CONSTRUCTION (THICK LINE)
- 1. 0.5" B.I. REINFORCED ASPHALT PAVEMENT (CONCRETE)
- 2. 0.5" B.I. REINFORCED ASPHALT PAVEMENT (CONCRETE)
- 3. 0.5" B.I. REINFORCED ASPHALT PAVEMENT (CONCRETE)
- 4. 0.5" B.I. REINFORCED ASPHALT PAVEMENT (CONCRETE)
- 5. 0.5" B.I. REINFORCED ASPHALT PAVEMENT (CONCRETE)
- 6. 0.5" B.I. REINFORCED ASPHALT PAVEMENT (CONCRETE)
- 7. 0.5" B.I. REINFORCED ASPHALT PAVEMENT (CONCRETE)
- 8. 0.5" B.I. REINFORCED ASPHALT PAVEMENT (CONCRETE)
- 9. 0.5" B.I. REINFORCED ASPHALT PAVEMENT (CONCRETE)
- 10. 0.5" B.I. REINFORCED ASPHALT PAVEMENT (CONCRETE)
- 11. 0.5" B.I. REINFORCED ASPHALT PAVEMENT (CONCRETE)
- 12. 0.5" B.I. REINFORCED ASPHALT PAVEMENT (CONCRETE)
- 13. 0.5" B.I. REINFORCED ASPHALT PAVEMENT (CONCRETE)
- 14. 0.5" B.I. REINFORCED ASPHALT PAVEMENT (CONCRETE)
- 15. 0.5" B.I. REINFORCED ASPHALT PAVEMENT (CONCRETE)
- 16. 0.5" B.I. REINFORCED ASPHALT PAVEMENT (CONCRETE)
- 17. 0.5" B.I. REINFORCED ASPHALT PAVEMENT (CONCRETE)
- 18. 0.5" B.I. REINFORCED ASPHALT PAVEMENT (CONCRETE)
- 19. 0.5" B.I. REINFORCED ASPHALT PAVEMENT (CONCRETE)
- 20. 0.5" B.I. REINFORCED ASPHALT PAVEMENT (CONCRETE)

NO SURVEY PERFORMED FOR THIS AREA, LOCATIONS ARE APPROXIMATE IN NATURE AND SHOULD BE FIELD VERIFIED.

# 4000 METROPOLITAN ST



- EXISTING (FINE LINE)
- NEW CONSTRUCTION (THICK LINE)
- G. B. B. D. REMOVA. AMB/CORRECTION OF CONCRETE
- G. B. B. D. REMOVA. AMB/CORRECTION OF ASPHALT
- G. B. B. D. REMOVA. AMB/CORRECTION OF ASPHALT/CONCRETE
- G. B. B. D. REMOVA. AMB/CORRECTION OF ASPHALT/CONCRETE
- 45° HALF SURFACE COURSE CHO. DPW (ANSI 133)
- REMOVE/CONSTRUCT BARRIER CURB
- REMOVE/CONSTRUCT MOUNTAIN CURB

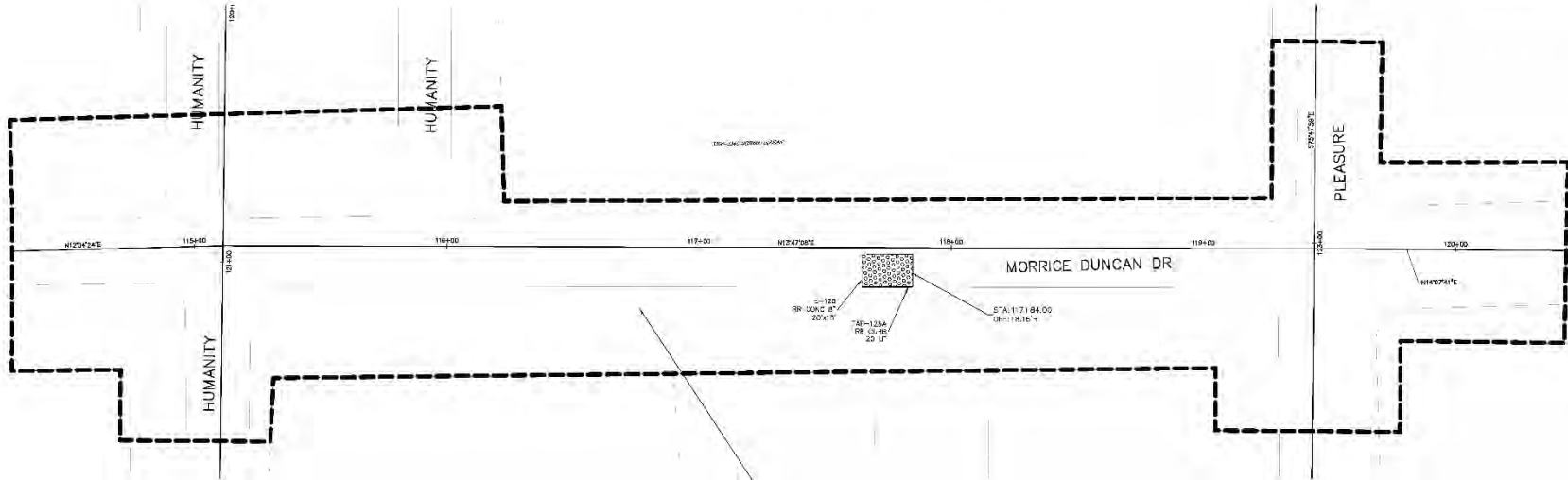
NO SURVEY PERFORMED FOR THIS AREA, LOCATIONS ARE APPROXIMATE IN NATURE AND SHOULD BE FIELD VERIFIED.

SHEET NUMBER	41
NO.	DATE
REVISION	DESCRIPTION
BY	DATE
PERRY CONSULTING ENGINEERS & SURVEYORS, INC. 1000 METROPOLITAN ST METRO, MISSOURI 63108	
DESIGNED BY	SCALE = 1" = 20'
CHECKED BY	DATE: 12-28-2016
PROJECT NO.	SHEET
CITY OF NEW ORLEANS DEPARTMENT OF PUBLIC WORKS PROJECT ID: RR026 PROJECT NO. 2016-RR026	
RR3-DESIRE GROUP A (PMOP) 4000 METROPOLITAN	

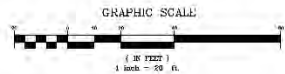
# 3300 MORRICE DUNCAN DR



GRID NORTH  
NORTH REFERENCE TO LOUISIANA  
STATE PLANE COORDINATE SYSTEM  
GEOID 2011, NAVD 83



13,100 SF

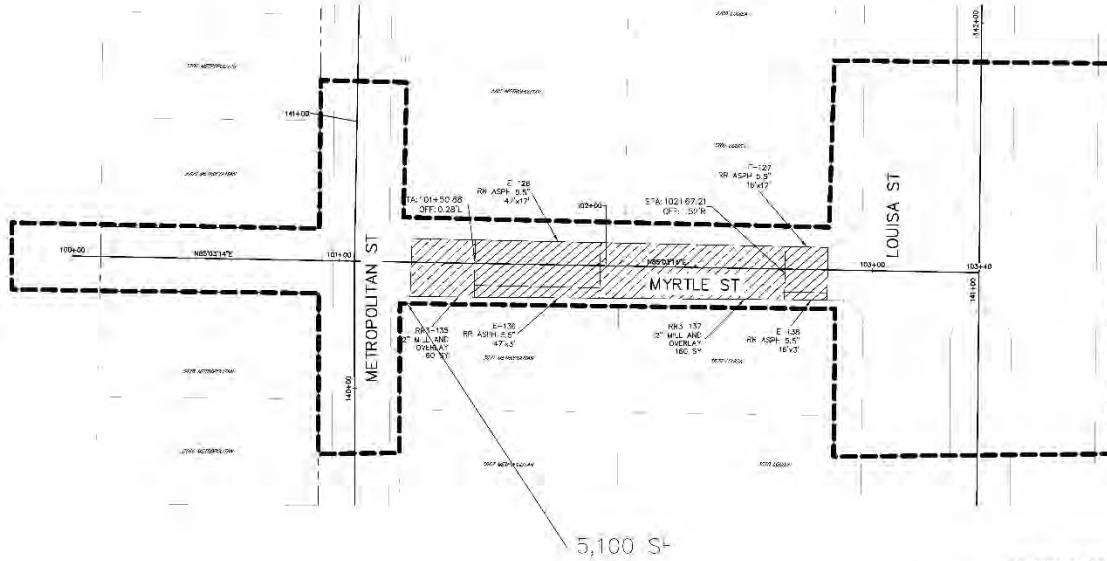


- EXISTING (FINE LINE)
- NEW CONSTRUCTION (THICK LINE)
- 1. D. B. E. REMOVAL AND/OR RE-ACCOMMODATION OF CONCERN (1)
- 2. D. B. E. REMOVAL AND/OR RE-ACCOMMODATION OF CONCERN (2)
- 3. D. B. E. REMOVAL AND/OR RE-ACCOMMODATION OF CONCERN (3)
- 4. D. B. E. REMOVAL AND/OR RE-ACCOMMODATION OF CONCERN (4)
- 5. D. B. E. REMOVAL AND/OR RE-ACCOMMODATION OF CONCERN (5)
- 6. D. B. E. REMOVAL AND/OR RE-ACCOMMODATION OF CONCERN (6)
- 7. D. B. E. REMOVAL AND/OR RE-ACCOMMODATION OF CONCERN (7)
- 8. D. B. E. REMOVAL AND/OR RE-ACCOMMODATION OF CONCERN (8)
- 9. D. B. E. REMOVAL AND/OR RE-ACCOMMODATION OF CONCERN (9)
- 10. D. B. E. REMOVAL AND/OR RE-ACCOMMODATION OF CONCERN (10)
- 11. D. B. E. REMOVAL AND/OR RE-ACCOMMODATION OF CONCERN (11)
- 12. D. B. E. REMOVAL AND/OR RE-ACCOMMODATION OF CONCERN (12)
- 13. D. B. E. REMOVAL AND/OR RE-ACCOMMODATION OF CONCERN (13)
- 14. D. B. E. REMOVAL AND/OR RE-ACCOMMODATION OF CONCERN (14)
- 15. D. B. E. REMOVAL AND/OR RE-ACCOMMODATION OF CONCERN (15)
- 16. D. B. E. REMOVAL AND/OR RE-ACCOMMODATION OF CONCERN (16)
- 17. D. B. E. REMOVAL AND/OR RE-ACCOMMODATION OF CONCERN (17)
- 18. D. B. E. REMOVAL AND/OR RE-ACCOMMODATION OF CONCERN (18)
- 19. D. B. E. REMOVAL AND/OR RE-ACCOMMODATION OF CONCERN (19)
- 20. D. B. E. REMOVAL AND/OR RE-ACCOMMODATION OF CONCERN (20)
- 21. D. B. E. REMOVAL AND/OR RE-ACCOMMODATION OF CONCERN (21)
- 22. D. B. E. REMOVAL AND/OR RE-ACCOMMODATION OF CONCERN (22)
- 23. D. B. E. REMOVAL AND/OR RE-ACCOMMODATION OF CONCERN (23)
- 24. D. B. E. REMOVAL AND/OR RE-ACCOMMODATION OF CONCERN (24)
- 25. D. B. E. REMOVAL AND/OR RE-ACCOMMODATION OF CONCERN (25)
- 26. D. B. E. REMOVAL AND/OR RE-ACCOMMODATION OF CONCERN (26)
- 27. D. B. E. REMOVAL AND/OR RE-ACCOMMODATION OF CONCERN (27)
- 28. D. B. E. REMOVAL AND/OR RE-ACCOMMODATION OF CONCERN (28)
- 29. D. B. E. REMOVAL AND/OR RE-ACCOMMODATION OF CONCERN (29)
- 30. D. B. E. REMOVAL AND/OR RE-ACCOMMODATION OF CONCERN (30)
- 31. D. B. E. REMOVAL AND/OR RE-ACCOMMODATION OF CONCERN (31)
- 32. D. B. E. REMOVAL AND/OR RE-ACCOMMODATION OF CONCERN (32)
- 33. D. B. E. REMOVAL AND/OR RE-ACCOMMODATION OF CONCERN (33)
- 34. D. B. E. REMOVAL AND/OR RE-ACCOMMODATION OF CONCERN (34)
- 35. D. B. E. REMOVAL AND/OR RE-ACCOMMODATION OF CONCERN (35)
- 36. D. B. E. REMOVAL AND/OR RE-ACCOMMODATION OF CONCERN (36)
- 37. D. B. E. REMOVAL AND/OR RE-ACCOMMODATION OF CONCERN (37)
- 38. D. B. E. REMOVAL AND/OR RE-ACCOMMODATION OF CONCERN (38)
- 39. D. B. E. REMOVAL AND/OR RE-ACCOMMODATION OF CONCERN (39)
- 40. D. B. E. REMOVAL AND/OR RE-ACCOMMODATION OF CONCERN (40)
- 41. D. B. E. REMOVAL AND/OR RE-ACCOMMODATION OF CONCERN (41)
- 42. D. B. E. REMOVAL AND/OR RE-ACCOMMODATION OF CONCERN (42)
- 43. D. B. E. REMOVAL AND/OR RE-ACCOMMODATION OF CONCERN (43)
- 44. D. B. E. REMOVAL AND/OR RE-ACCOMMODATION OF CONCERN (44)
- 45. D. B. E. REMOVAL AND/OR RE-ACCOMMODATION OF CONCERN (45)
- 46. D. B. E. REMOVAL AND/OR RE-ACCOMMODATION OF CONCERN (46)
- 47. D. B. E. REMOVAL AND/OR RE-ACCOMMODATION OF CONCERN (47)
- 48. D. B. E. REMOVAL AND/OR RE-ACCOMMODATION OF CONCERN (48)
- 49. D. B. E. REMOVAL AND/OR RE-ACCOMMODATION OF CONCERN (49)
- 50. D. B. E. REMOVAL AND/OR RE-ACCOMMODATION OF CONCERN (50)
- 51. D. B. E. REMOVAL AND/OR RE-ACCOMMODATION OF CONCERN (51)
- 52. D. B. E. REMOVAL AND/OR RE-ACCOMMODATION OF CONCERN (52)
- 53. D. B. E. REMOVAL AND/OR RE-ACCOMMODATION OF CONCERN (53)
- 54. D. B. E. REMOVAL AND/OR RE-ACCOMMODATION OF CONCERN (54)
- 55. D. B. E. REMOVAL AND/OR RE-ACCOMMODATION OF CONCERN (55)
- 56. D. B. E. REMOVAL AND/OR RE-ACCOMMODATION OF CONCERN (56)
- 57. D. B. E. REMOVAL AND/OR RE-ACCOMMODATION OF CONCERN (57)
- 58. D. B. E. REMOVAL AND/OR RE-ACCOMMODATION OF CONCERN (58)
- 59. D. B. E. REMOVAL AND/OR RE-ACCOMMODATION OF CONCERN (59)
- 60. D. B. E. REMOVAL AND/OR RE-ACCOMMODATION OF CONCERN (60)
- 61. D. B. E. REMOVAL AND/OR RE-ACCOMMODATION OF CONCERN (61)
- 62. D. B. E. REMOVAL AND/OR RE-ACCOMMODATION OF CONCERN (62)
- 63. D. B. E. REMOVAL AND/OR RE-ACCOMMODATION OF CONCERN (63)
- 64. D. B. E. REMOVAL AND/OR RE-ACCOMMODATION OF CONCERN (64)
- 65. D. B. E. REMOVAL AND/OR RE-ACCOMMODATION OF CONCERN (65)
- 66. D. B. E. REMOVAL AND/OR RE-ACCOMMODATION OF CONCERN (66)
- 67. D. B. E. REMOVAL AND/OR RE-ACCOMMODATION OF CONCERN (67)
- 68. D. B. E. REMOVAL AND/OR RE-ACCOMMODATION OF CONCERN (68)
- 69. D. B. E. REMOVAL AND/OR RE-ACCOMMODATION OF CONCERN (69)
- 70. D. B. E. REMOVAL AND/OR RE-ACCOMMODATION OF CONCERN (70)
- 71. D. B. E. REMOVAL AND/OR RE-ACCOMMODATION OF CONCERN (71)
- 72. D. B. E. REMOVAL AND/OR RE-ACCOMMODATION OF CONCERN (72)
- 73. D. B. E. REMOVAL AND/OR RE-ACCOMMODATION OF CONCERN (73)
- 74. D. B. E. REMOVAL AND/OR RE-ACCOMMODATION OF CONCERN (74)
- 75. D. B. E. REMOVAL AND/OR RE-ACCOMMODATION OF CONCERN (75)
- 76. D. B. E. REMOVAL AND/OR RE-ACCOMMODATION OF CONCERN (76)
- 77. D. B. E. REMOVAL AND/OR RE-ACCOMMODATION OF CONCERN (77)
- 78. D. B. E. REMOVAL AND/OR RE-ACCOMMODATION OF CONCERN (78)
- 79. D. B. E. REMOVAL AND/OR RE-ACCOMMODATION OF CONCERN (79)
- 80. D. B. E. REMOVAL AND/OR RE-ACCOMMODATION OF CONCERN (80)
- 81. D. B. E. REMOVAL AND/OR RE-ACCOMMODATION OF CONCERN (81)
- 82. D. B. E. REMOVAL AND/OR RE-ACCOMMODATION OF CONCERN (82)
- 83. D. B. E. REMOVAL AND/OR RE-ACCOMMODATION OF CONCERN (83)
- 84. D. B. E. REMOVAL AND/OR RE-ACCOMMODATION OF CONCERN (84)
- 85. D. B. E. REMOVAL AND/OR RE-ACCOMMODATION OF CONCERN (85)
- 86. D. B. E. REMOVAL AND/OR RE-ACCOMMODATION OF CONCERN (86)
- 87. D. B. E. REMOVAL AND/OR RE-ACCOMMODATION OF CONCERN (87)
- 88. D. B. E. REMOVAL AND/OR RE-ACCOMMODATION OF CONCERN (88)
- 89. D. B. E. REMOVAL AND/OR RE-ACCOMMODATION OF CONCERN (89)
- 90. D. B. E. REMOVAL AND/OR RE-ACCOMMODATION OF CONCERN (90)
- 91. D. B. E. REMOVAL AND/OR RE-ACCOMMODATION OF CONCERN (91)
- 92. D. B. E. REMOVAL AND/OR RE-ACCOMMODATION OF CONCERN (92)
- 93. D. B. E. REMOVAL AND/OR RE-ACCOMMODATION OF CONCERN (93)
- 94. D. B. E. REMOVAL AND/OR RE-ACCOMMODATION OF CONCERN (94)
- 95. D. B. E. REMOVAL AND/OR RE-ACCOMMODATION OF CONCERN (95)
- 96. D. B. E. REMOVAL AND/OR RE-ACCOMMODATION OF CONCERN (96)
- 97. D. B. E. REMOVAL AND/OR RE-ACCOMMODATION OF CONCERN (97)
- 98. D. B. E. REMOVAL AND/OR RE-ACCOMMODATION OF CONCERN (98)
- 99. D. B. E. REMOVAL AND/OR RE-ACCOMMODATION OF CONCERN (99)
- 100. D. B. E. REMOVAL AND/OR RE-ACCOMMODATION OF CONCERN (100)

NO SURVEY PERFORMED FOR THIS AREA, LOCATIONS ARE APPROXIMATE IN NATURE AND SHOULD BE FIELD VERIFIED.

SHEET NUMBER	
42	
BY	
NO.	DATE
REVISION	DESCRIPTION
HENRY JOHN THOMPSON & COMPANY, INC. REGISTERED PROFESSIONAL ENGINEERS 1100 PLEASURE DRIVE, SUITE 200 MORRISSE, LOUISIANA 70458	
DESIGNED BY	SCALE = 1" = 20'
DRAWN BY	DATE: 11-24-2016
CHECKED BY	SHEET
CHECKED NO.	SHEET
CITY OF NEW ORLEANS DEPARTMENT OF PUBLIC WORKS PROJECT ID: RR026 PROJECT NO. 2016-RR026	
RR3-DESIRE GROUP A (PMOP)	
3300 MORRICE DUNCAN	

3200 MYRTLE



GRID NORTH  
 NEW H 4000 PLYMOUTH 101 115 120000  
 STATE PLANNING COORDINATE SYSTEM  
 SOUTH COORD. 440 00

SHEET NUMBER	
43	
NO.	DATE
REVISION	DESCRIPTION
BY	

DESIGNED BY: [Signature]

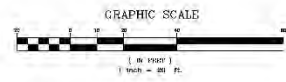
CHECKED BY: [Signature]

DATE: 12-15-2016

SHEET: 43 OF 43

SCALE: 1" = 20'

PROJECT: PW 21032



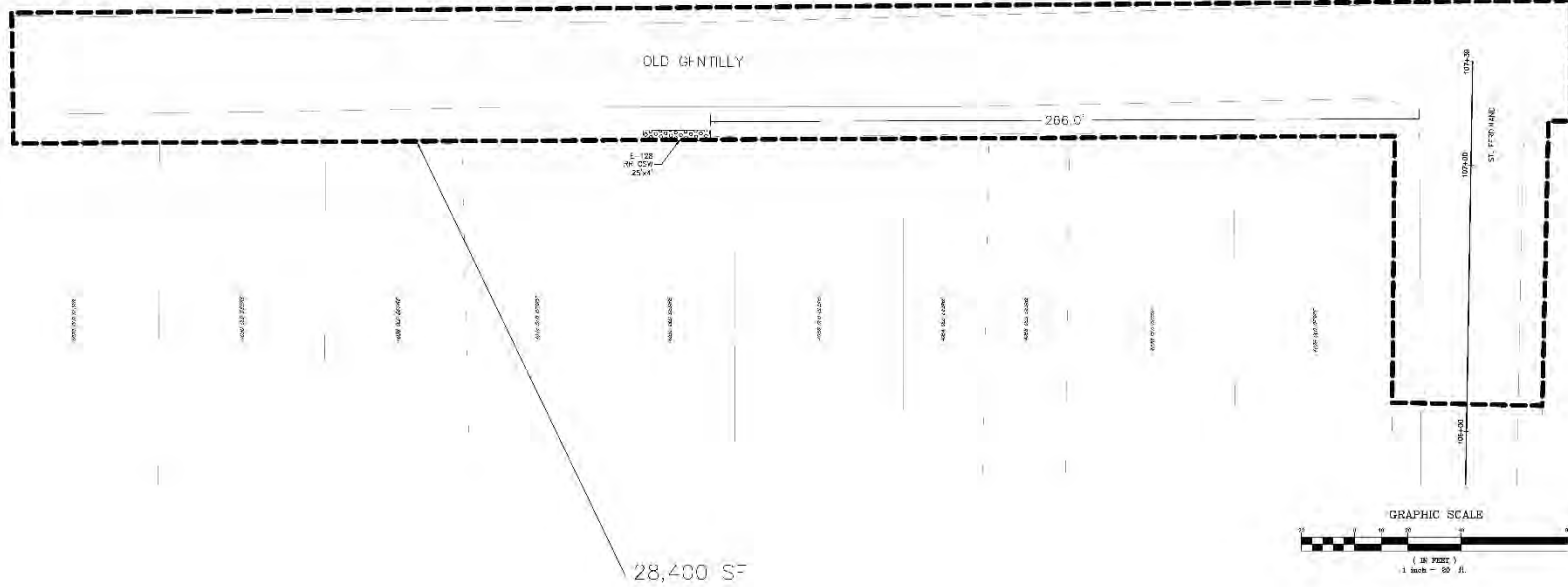
NO SURVEY PERFORMED FOR THIS AREA, LOCATIONS ARE APPROXIMATE IN NATURE AND SHOULD BE FIELD VERIFIED.

- EXISTING (FINE LINE)
- NEW CONSTRUCTION (THICK LINE)
- 1. 0.5" RIB REMOVAL AND/OR REPLACEMENT OF CONCRETE (AWAY FROM SIDEWALK, USE AWAY FROM CURB) (HATCH)
- 2. 0.5" RIB REMOVAL AND/OR REPLACEMENT OF ASPHALT (CONCRETE CONC. WORK (HATCH 1:1))
- 3. 0.5" RIB REMOVAL AND/OR REPLACEMENT OF ASPHALT/CONCRETE (CONCRETE CONC. WORK (HATCH 1:1))
- 4. 0.5" RIB REMOVAL AND/OR REPLACEMENT OF ASPHALT SURFACE COURSE (CONCRETE CONC. WORK (HATCH 1:1))
- 5. REMOVE/CONSTRUCT BARRIER CURB
- 6. REMOVE/CONSTRUCT MOUNTABLE CURB

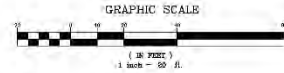
CITY OF NEW ORLEANS DEPARTMENT OF PUBLIC WORKS  
 PROJECT ID: RW226 PROJECT NO. 2016-RW226  
 RW3-DESIRE GROUP A (PMP)

3200 MYRTLE

4000 OLD GENTILLY RD



SHEET NUMBER 44			
NO.	DATE	REVISION DESCRIPTION	BY
PHENY LOUISIANA ENGINEERING & CONSULTING, INC. A PROFESSIONAL CORPORATION 4126 BAYVIEW BOULEVARD METairie, Louisiana 70001			
DESIGNED BY <b>TRP</b>	CHECKED BY <b>WJ</b>	SCALE 1" = 20'	SHEET 17-DES-2016
CITY OF NEW ORLEANS DEPARTMENT OF PUBLIC WORKS PROJECT ID: RR26 PROJECT NO. 2016-RR26 RR3-DESIRE GROUP A (PMOP) 4000 OLD GENTILLY RD			
NO. 11589 STATE OF LOUISIANA ENGINEER			

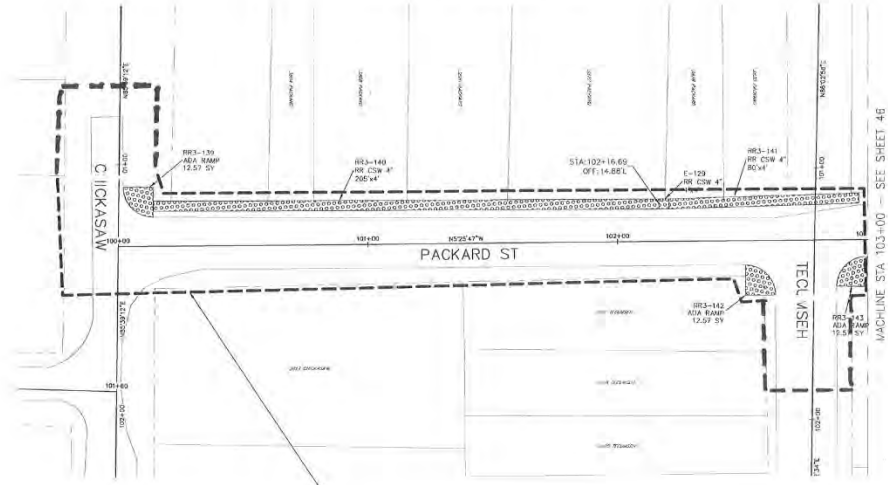


28,400 SF

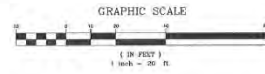
NO SURVEY PERFORMED FOR THIS AREA, LOCATIONS ARE APPROXIMATE IN NATURE AND SHOULD BE FIELD VERIFIED.

- EXISTING (FINE LINE)
- NEW CONSTRUCTION (THICK LINE)
- [Diagonal hatching] E.G., R.R.D. REMOVA. AND/OR ACUMENI D. CONCRETE-ASPHALT/CONCRETE
- [Dotted hatching] E.G., R.R.D. REMOVA. AND/OR ACUMENI D. ASPHALT/CONCRETE
- [Cross-hatching] E.G., R.R.D. REMOVA. AND/OR ACUMENI D. ASPHALT/CONCRETE
- [Stippled hatching] E.G., R.R.D. REMOVA. AND/OR ACUMENI D. ASPHALT/CONCRETE
- [Solid black] REMOVE/CONSTRUCT BARRIER CURB
- [Double dashed line] REMOVE/CONSTRUCT MOUNTAIN CURB

# 3800 PACKARD



12,700 SF



- EXISTING (FINE LINE)
- NEW CONSTRUCTION (ROAD LINE)
- REQUIRED REMOVAL AND/OR PLACEMENT OF CONCRETE PAVEMENT, SIDEWALK, OR ADA RAMP AND D/W (NCS)
- REQUIRED REMOVAL AND/OR PLACEMENT OF ASPHALT ROADWAY AND D/W LANE (L3)
- REQUIRED REMOVAL AND/OR PLACEMENT OF ASPHALT/CONCRETE COMPOSITE ROADWAY AND D/W (NCS, L3, H/C)
- REQUIRED COLD MIL/COLD PLACING AND PLACEMENT OF ASPHALT SURFACE COURSE AND D/W (NCS, L3)
- REMOVE/CONSTRUCT BARRIER CURB
- REMOVE/CONSTRUCT MOUNTABLE CURB

NO SURVEY PERFORMED FOR THIS AREA, LOCATIONS ARE APPROXIMATE IN NATURE AND SHOULD BE FIELD VERIFIED.



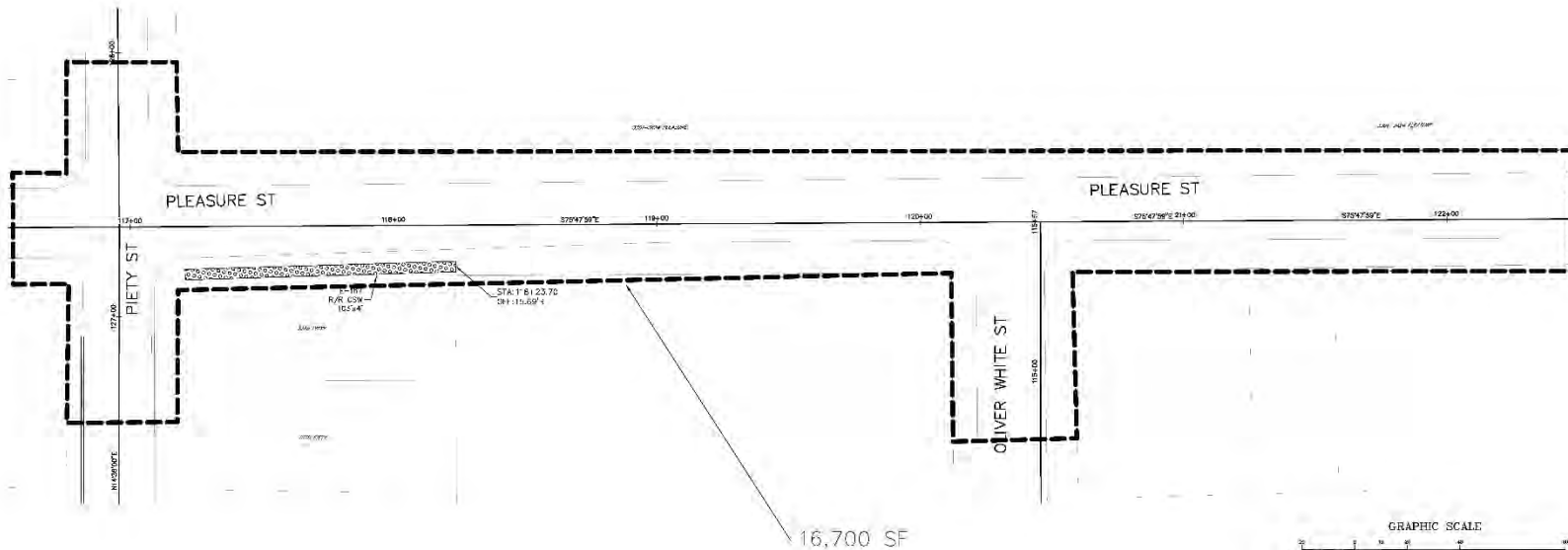
SHEET NUMBER		45	
NO.	DATE	REVISION	DESCRIPTION
PROJECT NAME, LOCATION & DESCRIPTION, etc.	SCALE	DATE	SHEET
PAVING PW 21032 (PW 20539 (DONOR PW)) PROJECT ID: RR026 PROJECT NO. 2016-RR026 RR3-DESIRE GROUP A (PMOP)	1" = 20'	12-09-2018	45
DESIGNED BY	CHECKED BY	DATE	SHEET
CITY OF NEW ORLEANS, DEPARTMENT OF PUBLIC WORKS PROJECT ID: RR026 PROJECT NO. 2016-RR026 RR3-DESIRE GROUP A (PMOP)			
3800 PACKARD			



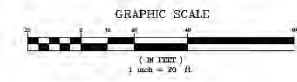


# 3300 PLEASURE

GRID NORTH  
 NORTH REFERENCED TO 2011 NAD 83  
 STATE PLANE COORDINATE SYSTEM  
 SOUTH ZONE, 140 53



16,700 SF

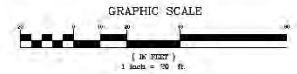
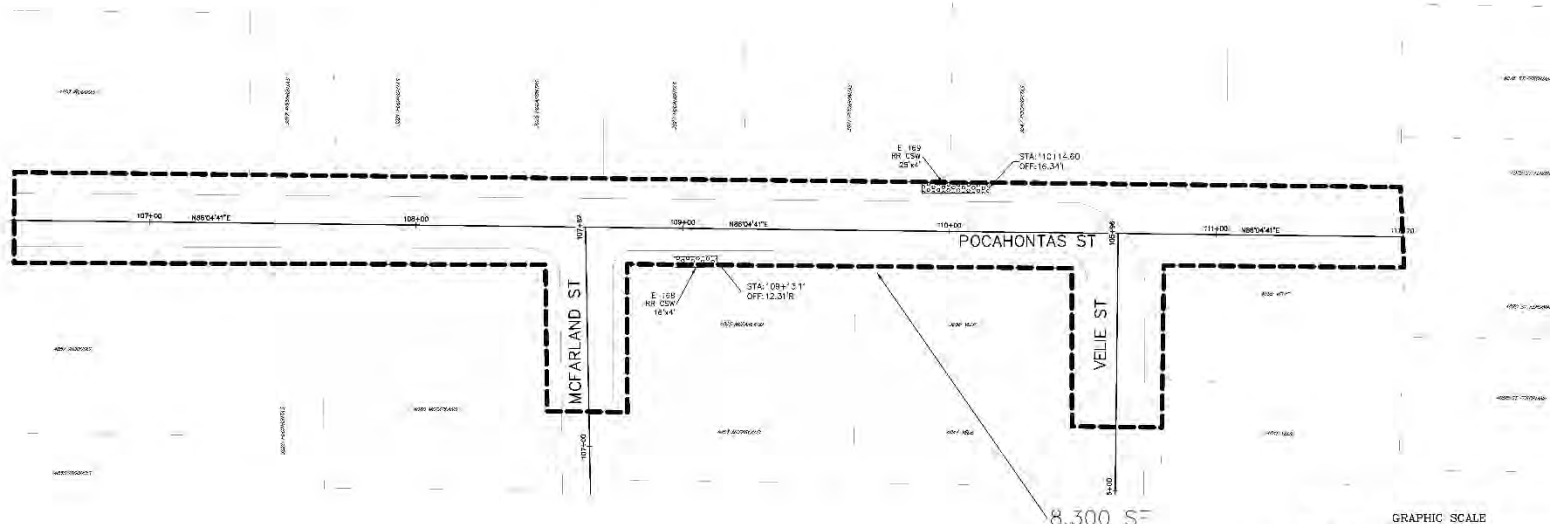


- EXISTING (FINE LINE)
- NEW CONSTRUCTION (THICK LINE)
- G. B. REMOVAL AND/OR RE-ACCOMMODATION OF CONCRETE (AWM) - SEE NOTE 15-A AND 15-B (CONCRETE CURB)
- ▨ G. B. REMOVAL AND/OR RE-ACCOMMODATION OF ASPHALT (CONCRETE CURB) (SEE NOTE 15-A)
- ▩ G. B. REMOVAL AND/OR RE-ACCOMMODATION OF ASPHALT/CONCRETE (CONCRETE CURB) (SEE NOTE 15-A AND 15-B)
- ▧ REG. RED D.C. W/LL/COLD PLACING AND PLACEMENT OF ASPHALT SURFACE COURSE (CONCRETE CURB) (SEE NOTE 15-A)
- REMOVE/CONSTRUCT BARRIER CURB
- REMOVE/CONSTRUCT MOUNTABLE CURB

NO SURVEY PERFORMED FOR THIS AREA, LOCATIONS ARE APPROXIMATE IN NATURE AND SHOULD BE FIELD VERIFIED.

SHEET NUMBER	
47	BY
NO.	DATE
REVISION	DESCRIPTION
DESIGNED BY	SCALE = 1" = 20'
DRAWN BY	DATE: 11-25-2016
CHECKED BY	SHEET
PERRY CONSULTING ENGINEERS & SURVEYORS, INC. 1000 W. 15th Street, Suite 100 Wichita, Kansas 67202	
CITY OF NEW ORLEANS DEPARTMENT OF PUBLIC WORKS PROJECT ID: RR026 PROJECT NO. 2016-RR026 RR3-DESIRE GROUP A (PMOI) 3300 PLEASURE	

3000-3040 POCAHONTAS



- EXISTING (FINE LINE)
- NEW CONSTRUCTION (THICK LINE)
- G. B. B. REMOVA. AMB/CRP = ACJ/MEN. D. CONC. II
- AM. M. N. S. B. W. K. C. S. A. M. (A. M. S. D. S. P. W. C. P. C.)
- G. B. B. REMOVA. AMB/CRP = PLACEMENT OF ASPHALT
- G. B. B. REMOVA. AMB/CRP = ASPHALT/CONCRETE
- REM. B. E. D. C. = MILL/COLD PLACING AND PLACEMENT OF
- ASPHALT SURFACE COURSE CHO. D. W. (A. S. I. 133)
- REMOVE/CONSTRUCT BARRIER (B. U. S.)
- REMOVE/CONSTRUCT MOUNTABLE CURB

NO SURVEY PERFORMED FOR THIS AREA, LOCATIONS ARE APPROXIMATE IN NATURE AND SHOULD BE FIELD VERIFIED.

GRID NORTH  
NAD 83  
STATE PLANE COORDINATE SYSTEM  
NAD 83 - UTM, NAD 83

NO.	DATE	REVISION DESCRIPTION	BY
48			



PROJECT: PAVING PW 21032 (PW 20539 (DONOR PW))  
 SHEET: 15-C-20154  
 SCALE: 1" = 20'  
 DATE: 11-25-2016  
 CHECKED: J. W. L.

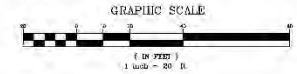
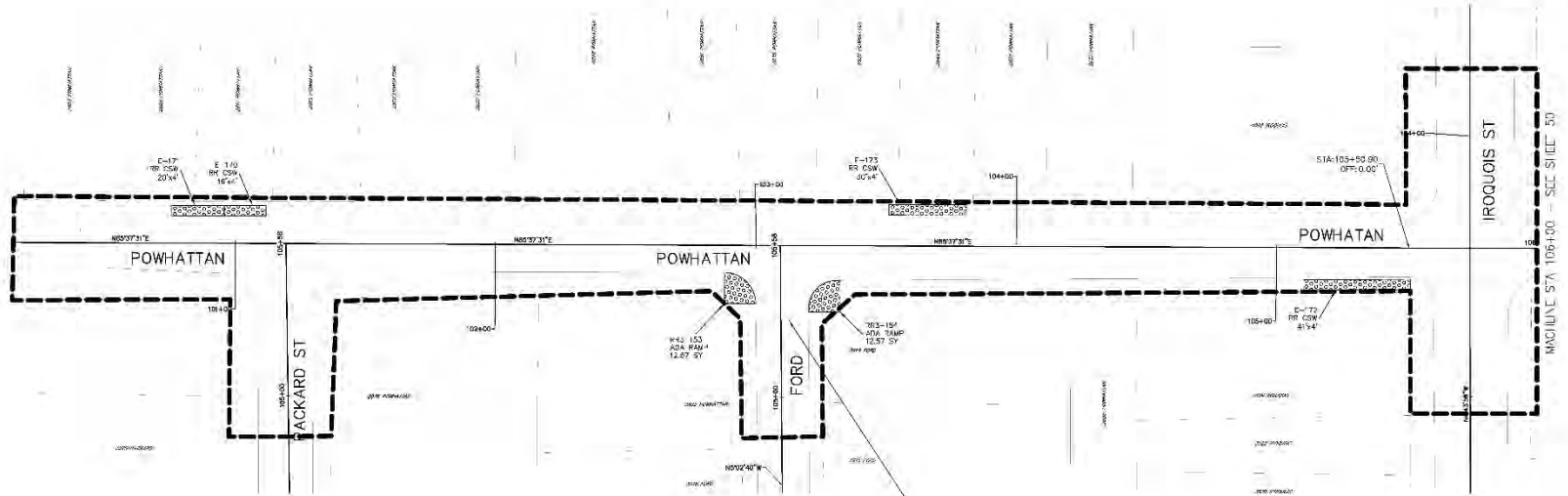


CITY OF NEW ORLEANS DEPARTMENT OF PUBLIC WORKS  
 PROJECT ID: RR026 PROJECT NO. 2016-RR026  
 RR3-DESIRE GROUP A (PMOP)  
 ROW-SIDE PAVEMENTS



# 2800-2840 POWHATTAN

GRID NORTH  
NORTH APPROXIMATE TO ILLINOIS  
STATE PLAC 200808 ST. 01010  
SOUTH 23°C, 140' 53"



- EXISTING (FINE LINE)
- NEW CONSTRUCTION (THICK LINE)
- [Pattern] 1. G. B. B. D. REMOVA. AMB/COR. PLACEMENT OF CONCRETE
- [Pattern] 2. G. B. B. D. REMOVA. AMB/COR. PLACEMENT OF ASPHALT
- [Pattern] 3. G. B. B. D. REMOVA. AMB/COR. PLACEMENT OF ASPHALT/CONCRETE
- [Pattern] 4. G. B. B. D. REMOVA. AMB/COR. PLACEMENT OF ASPHALT/CONCRETE
- [Pattern] 5. G. B. B. D. REMOVA. AMB/COR. PLACEMENT OF ASPHALT/CONCRETE
- [Pattern] REMOVE/CONSTRUCT BARRIER (S.U.)
- [Pattern] REMOVE/CONSTRUCT MOUNTABLE CURB

NO SURVEY PERFORMED FOR THIS AREA, LOCATIONS ARE APPROXIMATE IN NATURE AND SHOULD BE FIELD VERIFIED.

NO.	DATE	REVISION DESCRIPTION	BY
49			



DESIGNED BY: [Name]  
 CHECKED BY: [Name]  
 SCALE: 1" = 20'  
 DATE: 11-25-2016  
 SHEET: 11-25-2016

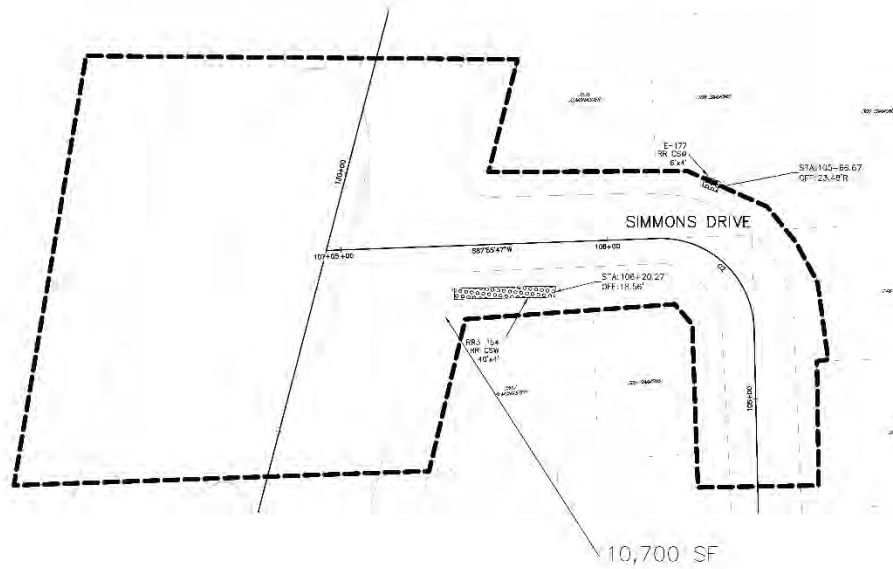


CITY OF NEW ORLEANS DEPARTMENT OF PUBLIC WORKS  
 PROJECT ID: RR026 PROJECT NO. 2016-RR026  
 RR3-DESIRE GROUP A (PMOP)  
 2800-2840 POWHATTAN

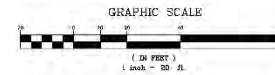




# 300 SIMMONS



10,700 SF



- EXISTING (FINE LINE)
- NEW CONSTRUCTION (THICK LINE)
- G. B. R. D. REMOVE AND/OR RE-ACRIMENT OF CONCRETE
- G. B. R. D. REMOVE AND/OR RE-ACRIMENT OF ASPHALT
- G. B. R. D. REMOVE AND/OR RE-ACRIMENT OF ASPHALT/CONCRETE
- G. B. R. D. REMOVE AND/OR RE-ACRIMENT OF ASPHALT/CONCRETE
- ASPHALT SURFACE COURSE CHG DPM (ANSI 133)
- REMOVE/CONSTRUCT BARRIER CURB
- REMOVE/CONSTRUCT MOUNTABLE CURB

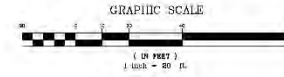
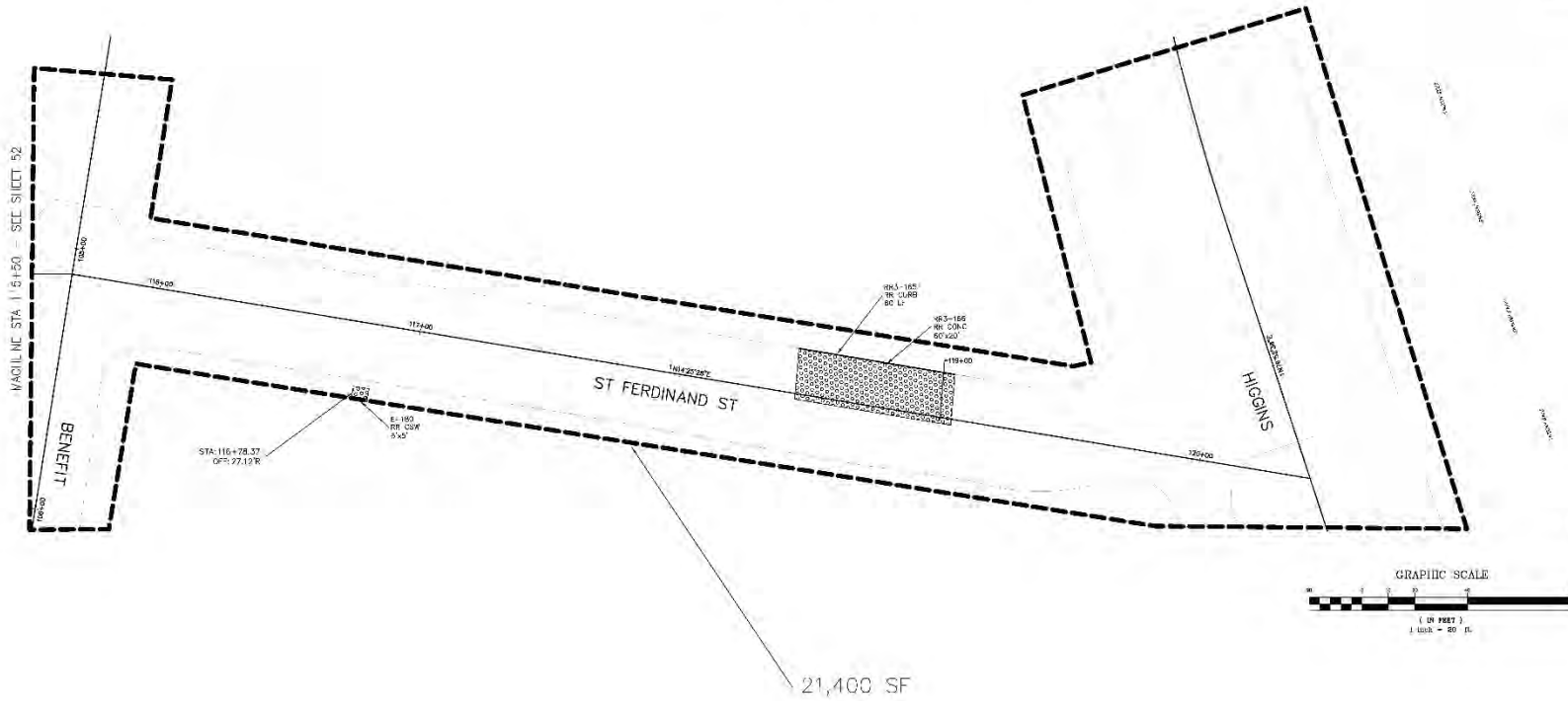
NO SURVEY PERFORMED FOR THIS AREA, LOCATIONS ARE APPROXIMATE IN NATURE AND SHOULD BE FIELD VERIFIED.

	SHEET NUMBER 31
DESIGNER CHECKED BY DATE	REVISION DESCRIPTION NO. DATE
PROJECT NO. 2016-RR026	SCALE 1" = 20' DATE 12-22-2016
CITY OF NEW ORLEANS DEPARTMENT OF PUBLIC WORKS PROJECT ID: RR026 PROJECT NO. 2016-RR026	SHEET 17 OF 20
RR3-DESIRE GROUP A (PMOP)	300 SIMMONS
	FILE NO. 15-C-20154



3200 ST FERDINAND

GRID NORTH  
 NORTH REFERENCED TO LOUISIANA  
 STATE PLUMBING CODEBOOK & 311 S.W.  
 SOUTH ZONE, 1983 E.S.



NO SURVEY PERFORMED FOR THIS AREA, LOCATIONS ARE APPROXIMATE IN NATURE AND SHOULD BE FIELD VERIFIED.

- EXISTING (FINE LINE)
- NEW CONSTRUCTION (THICK LINE)
- (Dotted pattern) REMOVE AND/OR RE-ACCOMMODATION OF CONCRETE (E.G. SIDEWALK, CURB, ADA ADA-WALKWAY, ADA-WALKWAY, ADA-WALKWAY)
- (Diagonal lines) REMOVE AND/OR RE-ACCOMMODATION OF ASPHALT (E.G. DRIVEWAY, DRIVEWAY, DRIVEWAY)
- (Cross-hatch pattern) REMOVE AND/OR RE-ACCOMMODATION OF ASPHALT/CONCRETE (E.G. DRIVEWAY, DRIVEWAY, DRIVEWAY)
- (Horizontal lines) REMOVE AND/OR RE-ACCOMMODATION OF ASPHALT SURFACE COURSE (E.G. DRIVEWAY)
- (Vertical lines) REMOVE/CONSTRUCT BARRIER CURB
- (Wavy lines) REMOVE/CONSTRUCT MOUNTAIN CURB

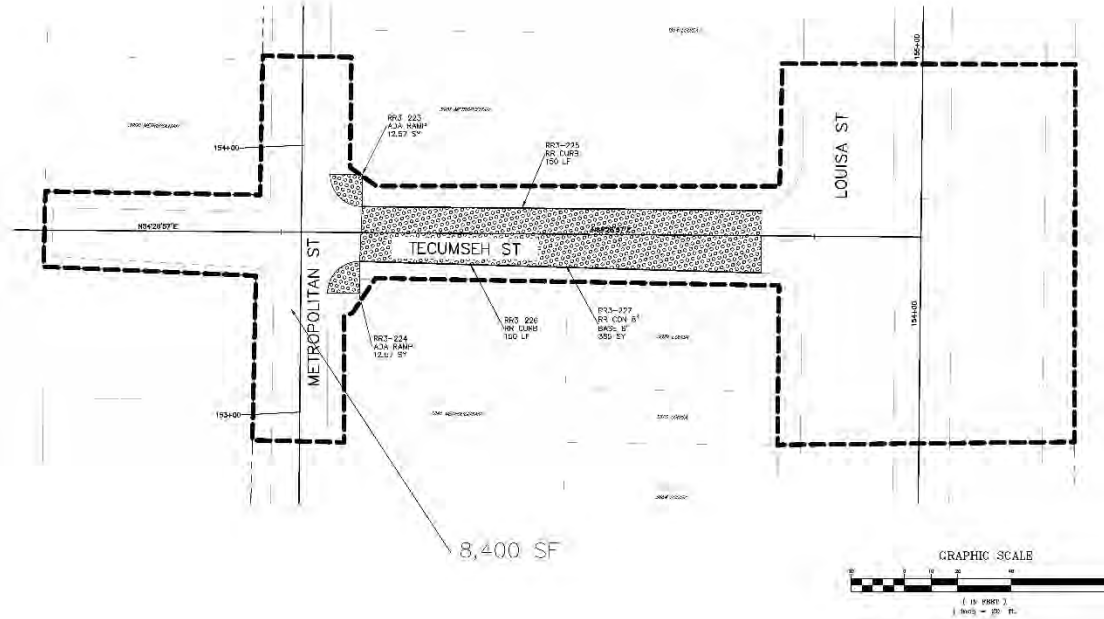
SHEET NUMBER		52	
BY	REVISION DESCRIPTION	NO.	DATE
DESIGNED BY	SCALE	DATE	
DRAWN BY	1" = 20'	12-20-2016	
CHECKED BY			
CITY OF NEW ORLEANS DEPARTMENT OF PUBLIC WORKS PROJECT ID: RR026 PROJECT NO. 2016-RR026 RR3-DESIRE GROUP A (PMOP) 3000 ST FERDINAND			







# 3200 ECUMSEH



NO SURVEY PERFORMED FOR THIS AREA, LOCATIONS ARE APPROXIMATE IN NATURE AND SHOULD BE FIELD VERIFIED.

- EXISTING (1/4" = 1')
- NEW CONSTRUCTION (BROAD LINE)
- REQUIRED REMOVAL AND/OR PLACEMENT OF CONCRETE PAVEMENT, SIDEWALK, OR ADA RAMP C&D C/PW (H&S)
- REQUIRED REMOVAL AND/OR PLACEMENT OF ASPHALT ROADWAY C&D DRW (H&S - 31)
- REQUIRED REMOVAL AND/OR PLACEMENT OF ASPHALT/CONCRETE COMPOSITE ROADWAY C&D DRW (H&S 12/H&S)
- REQUIRED C&D MILL/200 D PAVING AND PLACEMENT OF ASPHALT SURFACE COURSE C&D DRW (H&S 13)
- REMOVE/CONSTRUCT BARRIER C&RB
- REMOVE/CONSTRUCT MOUNTABLE CURB

FILE NO. 15-C-2015  
 PROJECT NO. 2016-RR026  
 SHEET NO. 36  
 SHEET TOTAL 36

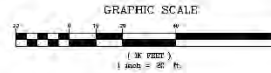
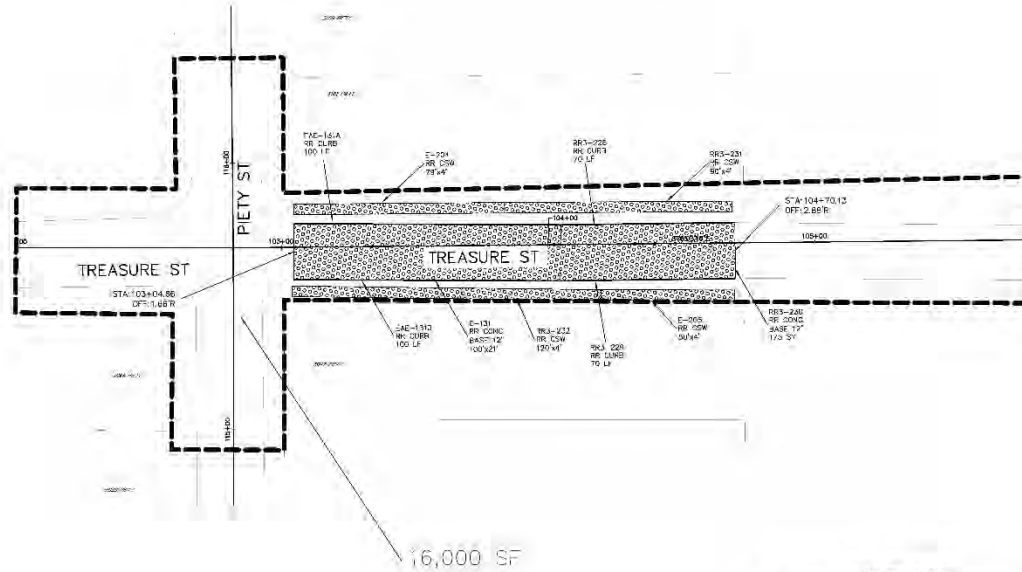
DESIGNED BY: [Signature]  
 CHECKED BY: [Signature]

DATE: 11-22-2015

PROJECT: RR3-DESIRE GROUP A (PMOP)  
 3200 ECUMSEH

CITY OF NEW ORLEANS DEPARTMENT OF PUBLIC WORKS  
 PROJECT ID: RR026 PROJECT NO. 2016-RR026  
 RR3-DESIRE GROUP A (PMOP)

# 3300 TREASURE

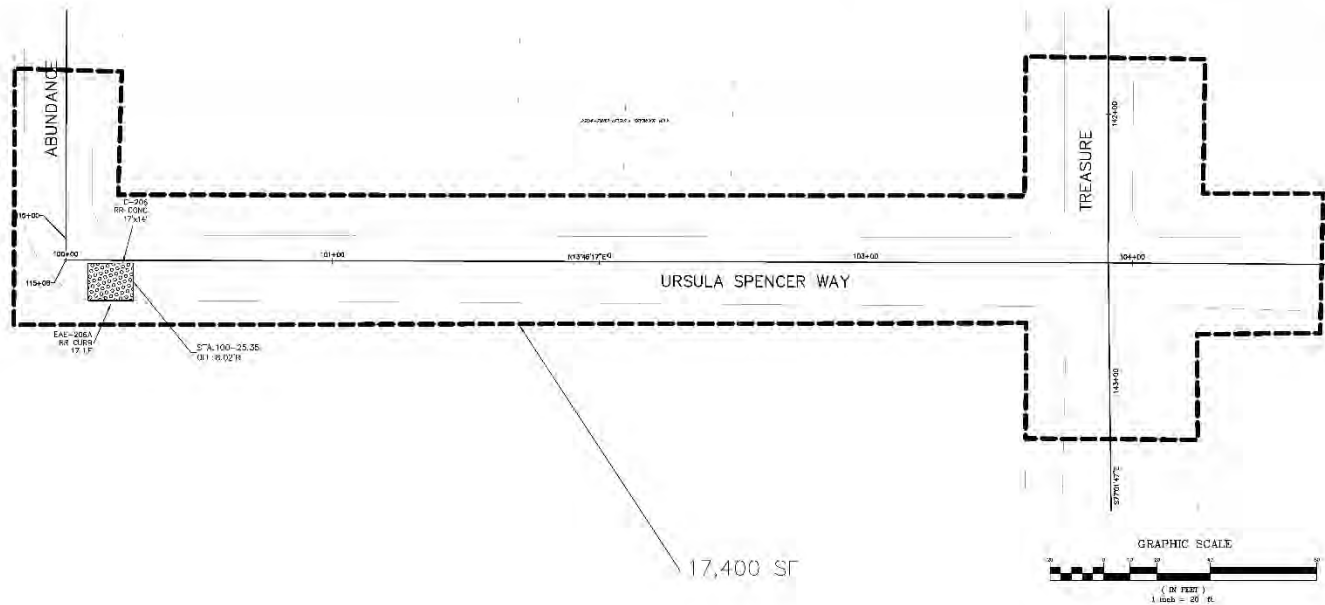


- EXISTING (1/4" = 10')
- NEW CONSTRUCTION (BROAD LINE)
- REQUESTED REMOVAL AND/OR PLACEMENT OF CONCRETE PAVEMENT, SIDEWALK, OR ADA RAMP C/O C/PW (HEX)
- REQUESTED REMOVAL AND/OR PLACEMENT OF ASPHALT/CONCRETE SIDEWALK C/O C/PW (ANG. 3/4)
- REQUESTED REMOVAL AND/OR PLACEMENT OF ASPHALT/CONCRETE SIDEWALK C/O C/PW (ANG. 1/2) (HEX)
- REQUESTED COLN M/L/2018 PAVING AND FINISHMENT OF ASPHALT SURF/C/O COURSE C/O C/PW (ANG. 1/2)
- REMOVE/CONSTR. CT BARRIER C./RB
- REMOVE/CONSTR. CT MOUNTABLE CURB

NO SURVEY PERFORMED FOR THIS AREA, LOCATIONS ARE APPROXIMATE IN NATURE AND SHOULD BE FIELD VERIFIED.

SHEET NUMBER	
5/	
NO.	DATE
REVISION	DESCRIPTION
BY	
HENRY JOHN THOMPSON & COMPANY, INC. 1000 W. 10TH ST., SUITE 100 WICHITA, KANSAS 67202	
(DESIGNED) THMP (CHECKED) JVA	SCALE = 1" = 20' SHEET 5/ OF 5/
CITY OF NEW ORLEANS DEPARTMENT OF PUBLIC WORKS PROJECT ID: RR026 PROJECT NO. 2016-RR026	
RR3-DESIRE GROUP A (PMOP)	
3300 TREASURE	

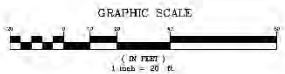
### 2900 URSULA SPENCER WAY



GRID NORTH  
 NORTH REFERENCED TO LOS ANGELES  
 STATE PLANE COORDINATE SYSTEM  
 50.00 ZONE, 114.00 83

SHEET NUMBER		
58	BY	
NO.	DATE	REVISION DESCRIPTION

DESIGNER: PERRY CONSTRUCTION & SURVEYING, INC.  
 PROJECT NO.: 2016-RR026  
 SHEET NO.: 58 OF 58  
 DATE: 12-25-2016  
 SCALE: 1" = 20'  
 CHECKED: [Signature]  
 PLOTTED: [Signature]  
 DESIGNED: [Signature]



17,400 SF

NO SURVEY PERFORMED FOR THIS AREA, LOCATIONS ARE APPROXIMATE IN NATURE AND SHOULD BE FIELD VERIFIED.

- EXISTING (H/W) 18"
- NEW CONSTRUCTION (BROAD LINE)
- REQUIRED REMOVAL AND/OR PLACEMENT OF CONCRETE PAVEMENT, SIDEWALK, OR ADA RAMP (C/D C/PW (HEX)
- REQUIRED REMOVAL AND/OR PLACEMENT OF ASPHALT ROADWAY (C/D DRW (ANSI '31)
- REQUIRED REMOVAL AND/OR PLACEMENT OF ASPHALT/CONCRETE COMPOSITE ROADWAY (C/D DRW (ANSI '12)/(HEX)
- REQUIRED COLD MILL/20/10 PAVING AND PLACEMENT OF ASPHALT SURFACE COURSE (C/D DRW (ANSI '33)
- REMOVE/CONSTRUCT BARRIER CURB
- REMOVE/CONSTRUCT MOUNTABLE CURB

CITY OF NEW ORLEANS DEPARTMENT OF PUBLIC WORKS  
 PROJECT ID: RR026 PROJECT NO. 2016-RR026  
 RR3-DESIRE GROUP A (PMOP)  
 2900 URSULA SPENCER WAY



**UTILITY PLANS**

**SWBNO Plan and Profile Sheets**

**Desire Area Neighborhood**

**Project No. 2013-FEMA-5BC/2G**

**ILSI Engineering for City of New Orleans Department of Public Works, Undated.**

**LEGEND**

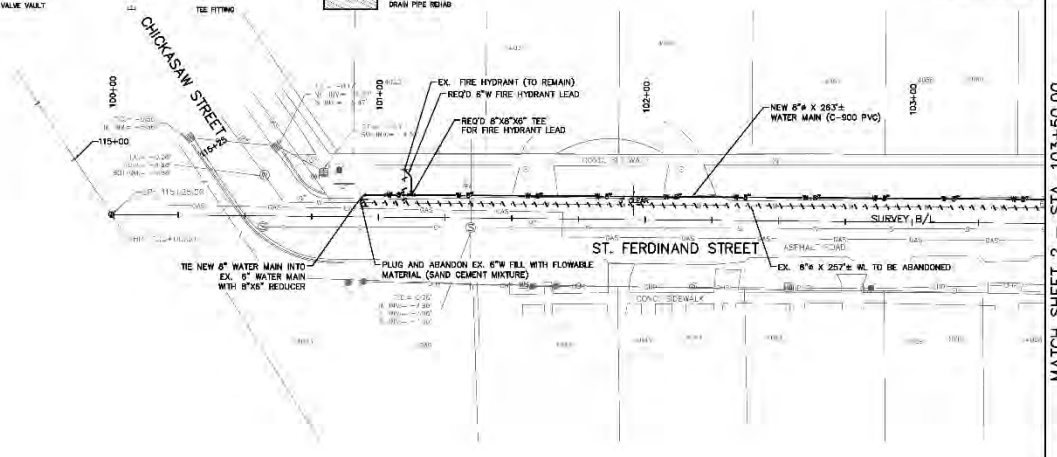
	BUILDING		TELEPHONE MANHOLE, TELE LINE
	APPARENT RIGHT OF WAY		TRAFFIC MANHOLE, TRAFFIC LINE
	SIDEWALK		WATER MANHOLE, WATER LINE
	CATCH BASIN		UTILITY POLE / OVERHEAD LINES
	CULVERT		ELECTRIC, TELEPHONE, CABLE TV
	DROP INLET, DRAIN LINE		FIBER OPTIC RISER / LINE
	DROP INLET, DRAIN LINE		FENCE
	COMMUNICATIONS MANHOLE, LINE		TIE ROD RISER / PEDISTAL
	DRAIN MANHOLE, DRAIN LINE		UTILITY CHAMBER
	ELECTRICAL MANHOLE, ELEC. LINE		UTILITY METER
	GAS MANHOLE, GAS LINE		UTILITY PEDISTAL
	SEWER MANHOLE, SEWER LINE		UTILITY VALVE
			UTILITY VALVE VAULT

	FIRE HYDRANT		LIGHT STANDARD
	TRAFFIC SIGNAL POLE		TRAFFIC LIGHT POLE VAULT
	CULVERT SUPPORT		BOLLARD
	TIE ROD		RESIDENTIAL MAILBOX
	PP DRAIN		WATER VALVE
	PLUG		TIE FITTING

- NOTES:**
1. THE LOCATIONS OF UNDERGROUND AND OTHER NONVISIBLE UTILITIES SHOWN HEREON HAVE BEEN DETERMINED FROM DATA EITHER FURNISHED BY THE AGENCIES CONTROLLING SUCH DATA AND/OR EXTRACTED FROM RECORDS MADE AVAILABLE TO US BY THE AGENCIES CONTROLLING SUCH RECORDS. WHERE FOUND, THE SURFACE FEATURES OF LOCATIONS ARE SHOWN. THE ACTUAL NONVISIBLE LOCATIONS MAY VARY FROM THOSE SHOWN HEREON. EACH AGENCY SHOULD BE CONTACTED RELATIVE TO THE PRECISE LOCATION OF ITS UNDERGROUND INSTALLATION PRIOR TO ANY RELIANCE UPON THE ACCURACY OF SUCH LOCATIONS SHOWN HEREON, INCLUDING PRIOR TO EXCAVATION AND DIGGING.
  2. SURVEY MADE IN ACCORD WITH REFERENCED PLANS. RIGHT-OF-WAY MAY NOT REFLECT AS-BUILT CONDITIONS OF INDIVIDUAL SQUARES.
  3. IMPROVEMENTS MAY NOT BE TO SCALE FOR CLARITY. THE DIMENSIONS SHOWN PREVAIL OVER SCALE.
  4. ALL HOUSE CONNECTIONS TO BE RECONNECTED (INCLUDING VACANT LOTS)
  5. CONTRACTOR TO VERIFY IN FIELD ELEVATION OF EXISTING WATER MAINS AT THE TIE-IN POINTS.

MINIMUM REQUIRED RESTRAIN JOINTS (FT)

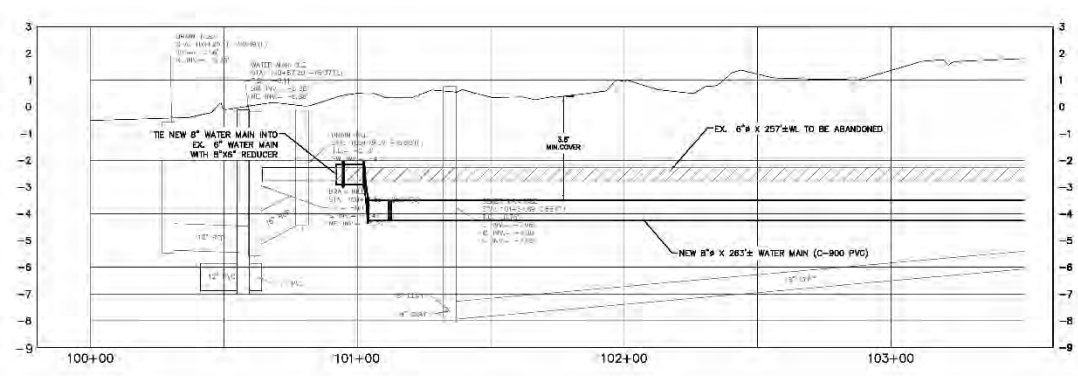
	6" DIAM. 8'	8" DIAM. 12'	16" DIAM.
45° +DR BEND.	7	8	15
40° V.B. UNLU.	19	20	45
CROSS	5	5	5
DLAD LND.	45	39	64
VAULT	45	59	107
REDUCER 6"X6"		25	
REDUCER 12"X8"		4'	
REDUCER 15"X12"			48



90% PLANS  
NOT FOR CONSTRUCTION

MATCH SHEET 2 - STA. 103+50.00

SCALE 1" = 20'-0" HORIZ.  
SCALE 1" = 2'-0" VERT.



SHEET NUMBER 1 OF 29	
BY	
REVISION	
DESCRIPTION	
NO.	DATE
ENGINEERING CONSULTANT NAME	SCALE
ADDRESS	DATE
DESIGNED BY	CHECKED BY
DRAWN BY	DATE
CHECKED BY	DATE
CITY OF NEW ORLEANS, DEPARTMENT OF PUBLIC WORKS	
PROJECT NO. 2013-FEMA-5BC/2G	
DESIRE AREA NEIGHBORHOOD	
4000 BLOCK ST. FERDINAND ST (1 OF 2)	
PLAN AND PROFILE SHEET	



S&WB PW NO. 20659 PROJECT NO. 2013-FEMA-5BC/2G DESIRE NEIGHBORHOOD

**LEGEND**

	BUILDING		TELEPHONE MANHOLE, TELE LINE		FIRE HYDRANT
	APPARENT RIGHT OF WAY		TRAFFIC MANHOLE, TRAFFIC LINE		LIGHT STANDARD
	SERVICE		WATER MANHOLE, WATER LINE		TRAFFIC SIGNAL POLE
	CATCH BASIN		UTILITY POLE / OVERHEAD LINES		TRAFFIC LIGHT POWER VAULT
	CULVERT		ELECTRIC, TELEPHONE, CABLE, TV		CANOPY SUPPORT
	DROP INLET, DRAIN LINE		FIBER OPTIC RISER / LINE		DOLLARD
	DROP INLET, DRAIN LINE		FENCE		SIGN
	COMMUNICATIONS MANHOLE, LINE		TEGOD RISER / PEDestal		TIE
	DRAIN MANHOLE, DRAIN LINE		UTILITY CLEANOUT		TIE
	ELECTRICAL MANHOLE, ELEC. LINE		UTILITY METER		TIE
	GAS MANHOLE, GAS LINE		UTILITY PEDESTAL		TIE
	SEWER MANHOLE, SEWER LINE		UTILITY VALVE		TIE
			UTILITY VALVE VAULT		TIE

- NOTES:**
1. THE LOCATIONS OF UNDERGROUND AND OTHER NONVISIBLE UTILITIES SHOWN HEREON HAVE BEEN DETERMINED FROM DATA EITHER FURNISHED BY THE AGENCIES CONTROLLING SUCH DATA AND/OR EXTRACTED FROM RECORDS MADE AVAILABLE TO US BY THE AGENCIES CONTROLLING SUCH RECORDS. WHERE FOUND, THE SURFACE FEATURES OF LOCATIONS ARE SHOWN. THE ACTUAL NONVISIBLE LOCATIONS MAY VARY FROM THOSE SHOWN HEREON. EACH AGENCY SHOULD BE CONTACTED RELATIVE TO THE PRECISE LOCATION OF ITS UNDERGROUND INSTALLATION PRIOR TO ANY RELIANCE UPON THE ACCURACY OF SUCH LOCATIONS SHOWN HEREON, INCLUDING PRIOR TO EXCAVATION AND DIGGING.
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  5. CONTRACTOR TO VERIFY IN FIELD ELEVATION OF EXISTING WATER MAINS AT THE TIE-IN POINTS.

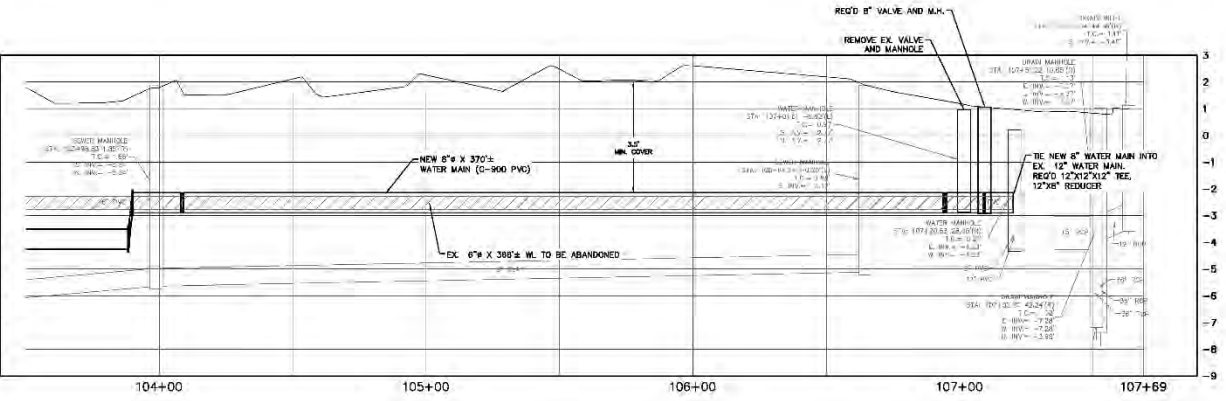
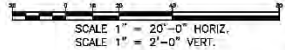
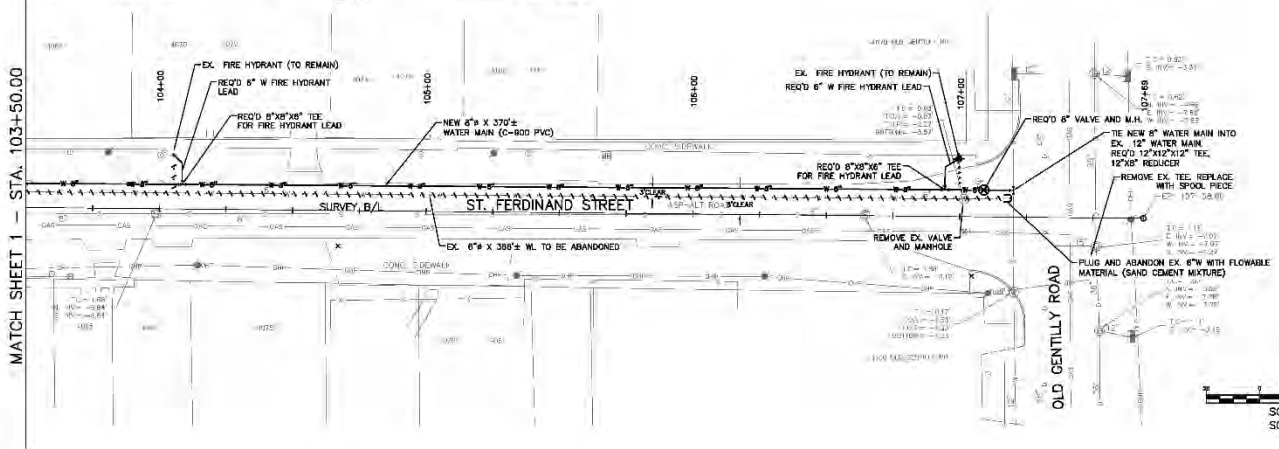
MINIMUM REQUIRED RESTRAIN JOINTS (FT)

	6" DIAM. R	8" DIAM. R	12" DIAM. TR	18" DIAM.
45° +DR BEND.	7	8	12	15
45° W/LB ULND.	19	25	35	45
DROSS	5	5	5	5
DLAD LND.	45	59	83	107
VALVE	45	59	83	107
REDUCER 6X6		25		
REDUCER 12X8			47	
REDUCER 15X12				48



SHEET NUMBER  
2 OF 29

NO. DATE REVISION DESCRIPTION



ENGINEERING CONSULTANT NAME  
ADDRESS

SCALE  
AS SHOWN  
BY: [Signature]

DATE  
[Date]

PROJECT NO. [Number]

SHEET NO. [Number]



CITY OF NEW ORLEANS, DEPARTMENT OF PUBLIC WORKS  
PROJECT NO. 2013-FEMA-5BC/2G  
DESIRE AREA NEIGHBORHOOD  
4000 BLOCK ST. FERDINAND ST (2 OF 2)

PLAN AND PROFILE SHEET



S&WB PW NO. 20659 PROJECT NO. 2013-FEMA-5BC/2G DESIRE NEIGHBORHOOD

LEGEND	
	BUILDING
	ARROWS RIGHT OF WAY
	SERVICE
	CATCH BASIN
	CULVERT
	DROP INLET, DRAIN LINE
	DROP INLET, DRAIN LINE
	COMMUNICATIONS MANHOLE, LINE
	DRAIN MANHOLE, DRAIN LINE
	ELECTRICAL MANHOLE, ELEC. LINE
	GAS MANHOLE, GAS LINE
	SEWER MANHOLE, SEWER LINE
	TELEPHONE MANHOLE, TELE. LINE
	TRAFFIC MANHOLE, TRAFFIC LINE
	WATER MANHOLE, WATER LINE
	UTILITY POLE / OVERHEAD LINES
	ELECTRIC, TELEPHONE, CABLE, TV
	FIBER OPTIC RISER / LINE
	FENCE
	TIE ROD RISER / PEDISTAL
	UTILITY CLEANOUT
	UTILITY METER
	UTILITY PEDISTAL
	UTILITY VALVE
	UTILITY VALVE VAULT
	FIRE HYDRANT
	LIGHT RISER
	TRAFFIC SIGNAL POLE
	TRAFFIC LIGHT POWER VAULT
	CULVERT SUPPORT
	DOLLARD
	MAN
	TIE
	RESIDENTIAL MAILBOX
	PP SEAMAN
	WATER VALVE
	PLUG
	TIE FITTING

- NOTES:**
1. THE LOCATIONS OF UNDERGROUND AND OTHER NONVISIBLE UTILITIES SHOWN HEREON HAVE BEEN DETERMINED FROM DATA EITHER FURNISHED BY THE AGENCIES CONTROLLING SUCH DATA AND/OR EXTRACTED FROM RECORDS MADE AVAILABLE TO US BY THE AGENCIES CONTROLLING SUCH RECORDS. WHERE FOUND, THE SURFACE FEATURES OF LOCATIONS ARE SHOWN. THE ACTUAL NONVISIBLE LOCATIONS MAY VARY FROM THOSE SHOWN HEREON. EACH AGENCY SHOULD BE CONTACTED RELATIVE TO THE PRECISE LOCATION OF ITS UNDERGROUND INSTALLATION PRIOR TO ANY RELIANCE UPON THE ACCURACY OF SUCH LOCATIONS SHOWN HEREON, INCLUDING PRIOR TO EXCAVATION AND DIGGING.
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  4. ALL HOUSE CONNECTIONS TO BE RECONNECTED (INCLUDING VACANT LOTS).
  5. CONTRACTOR TO VERIFY IN FIELD ELEVATION OF EXISTING WATER MAINS AT THE TIE-IN POINTS.



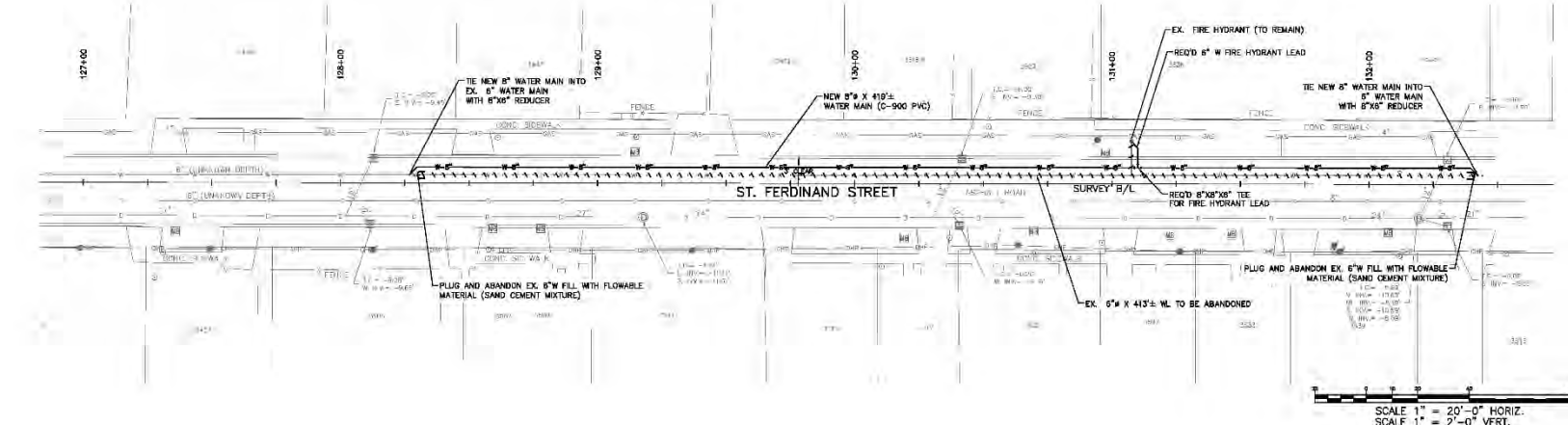
MINIMUM REQUIRED RESTRAIN JOINTS (FT)

	6" DIAM. 8'	8" DIAM. 12'	16" DIAM.
45° HDR BEND	7	8	12
40° V.B. UNLU.	19	20	35
CROSS	5	5	5
DLAD LND.	45	39	63
VALVE	45	59	73
REDUCER 8"X6"	25	25	107
REDUCER 12"X8"	47	47	48

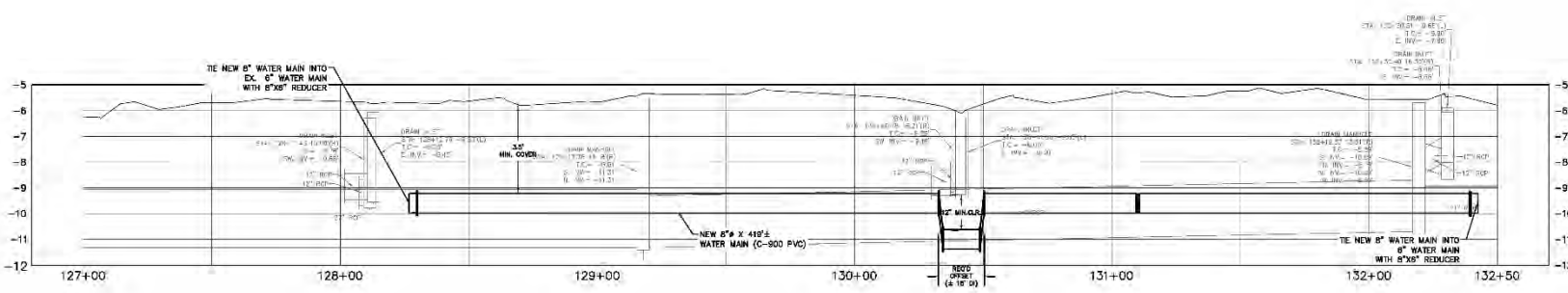


GRID NORTH  
NORTH REFERENCED TO LOUISIANA  
STATE PLANE COORDINATE SYSTEM,  
SOUTH ZONE, NAD 83.

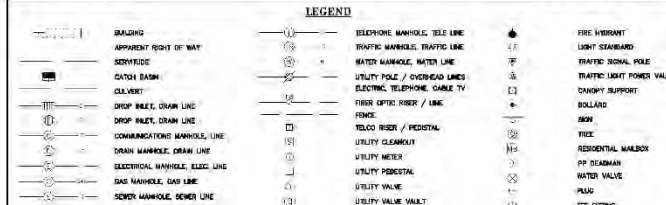
90% PLANS  
NOT FOR CONSTRUCTION



SCALE 1" = 20'-0" HORIZ.  
SCALE 1" = 2'-0" VERT.



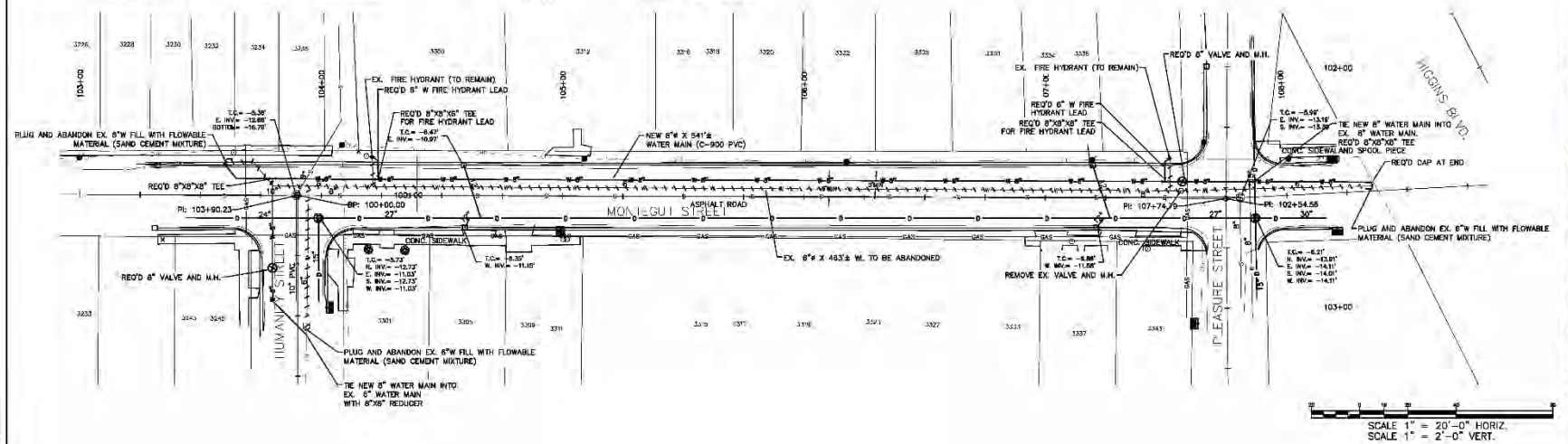
SHEET NUMBER 3 OF 29	
NO.	DATE
REVISION	DESCRIPTION
ENGINEERING CONSULTANT NAME ADDRESS	
DESIGNED BY	CHECKED BY
DRAWN BY	DATE
SCALE	SHEET
CITY OF NEW ORLEANS, DEPARTMENT OF PUBLIC WORKS PROJECT NO. 2013-FEMA-5BC/2G DESIRE AREA NEIGHBORHOOD 3000 BLOCK ST. FERDINAND ST.	
PLAN AND PROFILE SHEET	



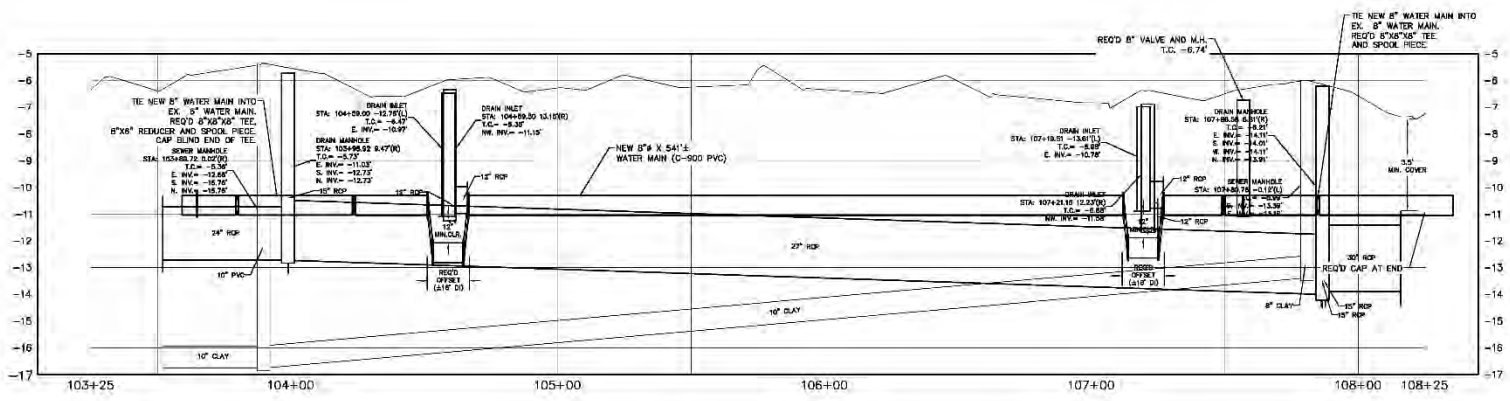
- NOTES:**
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  4. ALL HOUSE CONNECTIONS TO BE RECONNECTED (INCLUDING VACANT LOTS).
  5. CONTRACTOR TO VERIFY IN FIELD ELEVATION OF EXISTING WATER MAINS AT THE TIE-IN POINTS.

MINIMUM REQUIRED RESTRAIN JOINTS (FT)

	6" DIAM. 8'	8" DIAM. 12'	12" DIAM. 16'
45° +DR BEND.	7	8	12
40° V.B. UNLD.	19	20	25
CROSS	5	5	5
DLAD LND.	45	39	34
VALVE	45	39	34
REDUCER 6X6	25	25	25
REDUCER 12X8	47	47	48
REDUCER 15X12			



SCALE 1" = 20'-0" HORIZ.  
SCALE 1" = 2'-0" VERT.



SHEET NUMBER <b>4 OF 29</b>	
BY	
REVISION	
DESCRIPTION	
NO.	DATE
ENGINEERING CONSULTANT NAME	
ADDRESS	
SCALE	
DESIGNED BY	
CHECKED BY	
DATE	
NO. SHEET	
CITY OF NEW ORLEANS, DEPARTMENT OF PUBLIC WORKS	
PROJECT NO. 2013-FEMA-5BC/2G	
DESIRE AREA NEIGHBORHOOD	
3300 BLOCK MONTEGUT ST	
PLAN AND PROFILE SHEET	

LEGEND

	BUILDING		TELEPHONE MANHOLE, TELE LINE		FIRE HYDRANT
	APPARENT RIGHT OF WAY		TRAFFIC MANHOLE, TRAFFIC LINE		LIGHT STANDARD
	SERVICE		WATER MANHOLE, WATER LINE		TRAFFIC SIGNAL POLE
	CATCH BASIN		UTILITY POLE / OVERHEAD LINES		TRAFFIC LIGHT POLE VAULT
	CULVERT		ELECTRIC, TELEPHONE, CABLE TV		CULVERT SUPPORT
	DROP INLET, DRAIN LINE		FIBER OPTIC RISER / LINE		DOLLARD
	DROP INLET, DRAIN LINE		FENCE		TIE
	COMMUNICATIONS MANHOLE, LINE		ROAD RISER / PEDESTAL		TIE
	DRAIN MANHOLE, DRAIN LINE		UTILITY CLEANOUT		TIE
	ELECTRICAL MANHOLE, ELEC. LINE		UTILITY METER		TIE
	GAS MANHOLE, GAS LINE		UTILITY PEDESTAL		TIE
	SEWER MANHOLE, SEWER LINE		UTILITY VALVE		TIE
			UTILITY VALVE VAULT		TIE

	REINFORCED WATER MAIN
	ABANDONED WATER MAIN
	DRAIN PIPE RISER

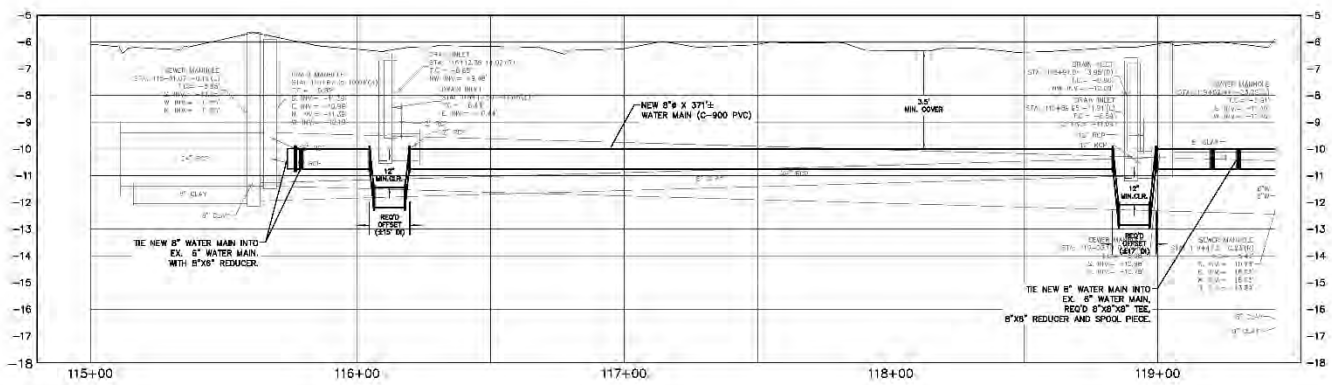
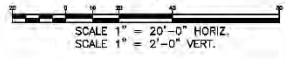
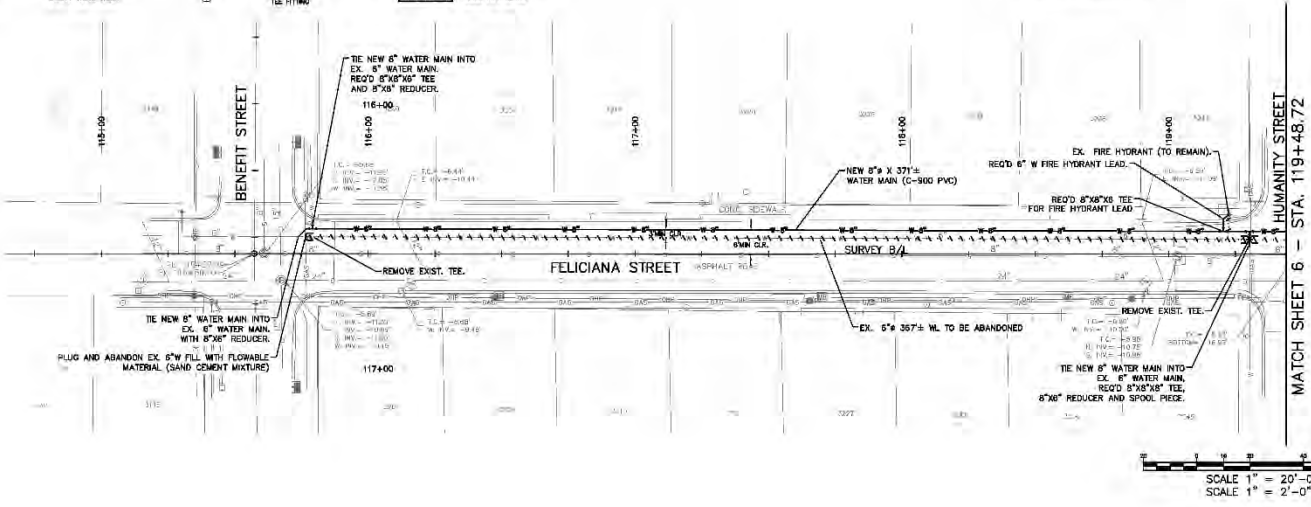
NOTES:

1. THE LOCATIONS OF UNDERGROUND AND OTHER NONVISIBLE UTILITIES SHOWN HEREON HAVE BEEN DETERMINED FROM DATA EITHER FURNISHED BY THE AGENCIES CONTROLLING SUCH DATA AND/OR EXTRACTED FROM RECORDS MADE AVAILABLE TO US BY THE AGENCIES CONTROLLING SUCH RECORDS. WHERE FOUND, THE SURFACE FEATURES OF LOCATIONS ARE SHOWN. THE ACTUAL NONVISIBLE LOCATIONS MAY VARY FROM THOSE SHOWN HEREON. EACH AGENCY SHOULD BE CONTACTED RELATIVE TO THE PRECISE LOCATION OF ITS UNDERGROUND INSTALLATION PRIOR TO ANY RELIANCE UPON THE ACCURACY OF SUCH LOCATIONS SHOWN HEREON, INCLUDING PRIOR TO EXCAVATION AND DIGGING.
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5. CONTRACTOR TO VERIFY IN FIELD ELEVATION OF EXISTING WATER MAINS AT THE TIE-IN POINTS.

MINIMUM REQUIRED RESTRAIN JOINTS (FT)

	6" DIAM. 8'	8" DIAM. 12'	16" DIAM.
45° HDR BEND.	7	8	15
40° V.B. UNLD.	19	20	35
CROSS	5	5	5
DLAD LND.	45	39	64
VALVE	45	39	64
REDUCER 6"X8"	25	25	47
REDUCER 12"X12"			48

90% PLANS NOT FOR CONSTRUCTION



SHEET NUMBER 5 OF 29	
NO.	DATE
REVISION	DESCRIPTION
ENGINEERING CONSULTANT NAME ADDRESS CITY STATE ZIP PHONE NO. FAX NO. E-MAIL CHECKED BY DATE DRAWN BY DATE	
CITY OF NEW ORLEANS, DEPARTMENT OF PUBLIC WORKS PROJECT NO. 2013-FEMA-5BC/2G DESIRE AREA NEIGHBORHOOD 3000 BLOCK FELICIANA ST PLAN AND PROFILE SHEET	

S&WB PW NO. 20659 PROJECT NO. 2013-FEMA-5BC/2G DESIRE NEIGHBORHOOD

**LEGEND**

	BUILDING		TELEPHONE MANHOLE, TELE LINE		FIRE HYDRANT
	APPARENT RIGHT OF WAY		TRAFFIC MANHOLE, TRAFFIC LINE		LIGHT TRANSFORMER
	SERVICE LINE		WATER MANHOLE, WATER LINE		TRAFFIC SIGNAL POLE
	CATCH BASIN		UTILITY POLE / OVERHEAD LINES		TRAFFIC LIGHT POLE VAULT
	COLLECTOR		ELECTRIC, TELEPHONE, CABLE TV		CANTORY SUPPORT
	DROP INLET, DRAIN LINE		FIBER OPTIC RISER / LINE		DOLLARD
	COMMUNICATIONS MANHOLE, LINE		FENCE		MAN
	DRAIN MANHOLE, DRAIN LINE		TIE		TIE
	ELECTRICAL MANHOLE, ELEC. LINE		TIE		TIE
	GAS MANHOLE, GAS LINE		TIE		TIE
	SEWER MANHOLE, SEWER LINE		TIE		TIE

- NOTES:**
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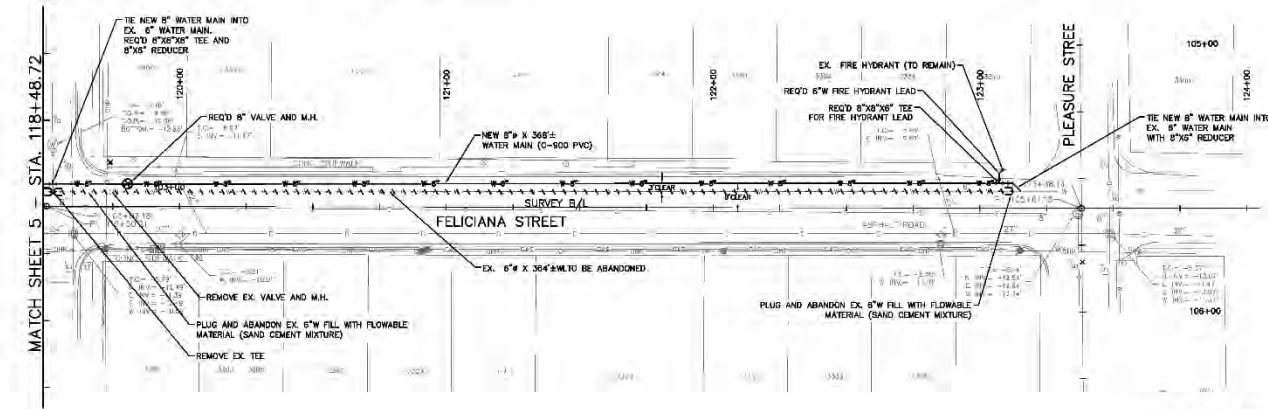
MINIMUM REQUIRED RESTRAIN JOINTS (FT)

	6" DIAM. 8'	8" DIAM. 8'	12" DIAM. 16'	16" DIAM.
45° +DR BEND.	7	8	12	15
40° V.B. UNLD.	19	20	30	40
CROSS.	5	5	5	5
DLAD LND.	40	39	60	70
VAULT	40	39	60	70
REDUCER 6X6	30	30	40	40
REDUCER 12X12	40	40	40	40
REDUCER 15X12				40

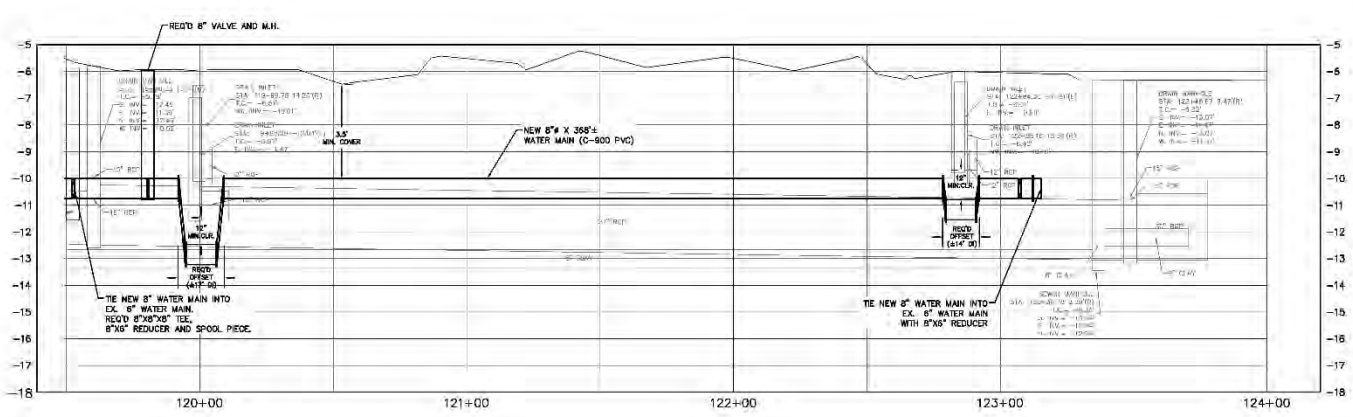
90% PLANS  
NOT FOR CONSTRUCTION



SHEET NUMBER <b>6 OF 29</b>	
NO.	DATE
REVISION	DESCRIPTION
ENGINEERING CONSULTANT NAME ADDRESS	SCALE
DESIGNED BY: [ ]	SCALE
CHECKED BY: [ ]	DATE
DATE	SHEET
CITY OF NEW ORLEANS, DEPARTMENT OF PUBLIC WORKS PROJECT NO. 2013-FEMA-5BC/2G DESIRE AREA NEIGHBORHOOD 3300 BLOCK FELICIANA ST	
PLAN AND PROFILE SHEET	



SCALE 1" = 20'-0" HORIZ.  
SCALE 1" = 2'-0" VERT.



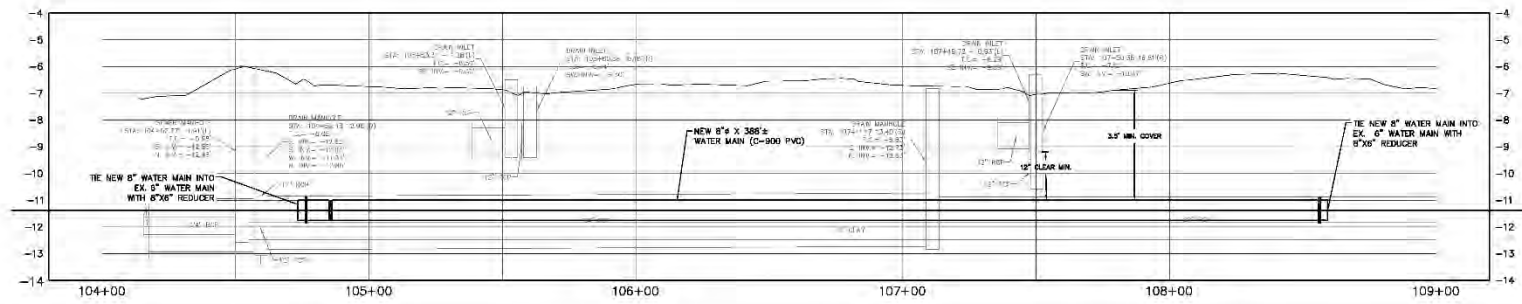
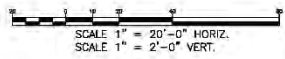
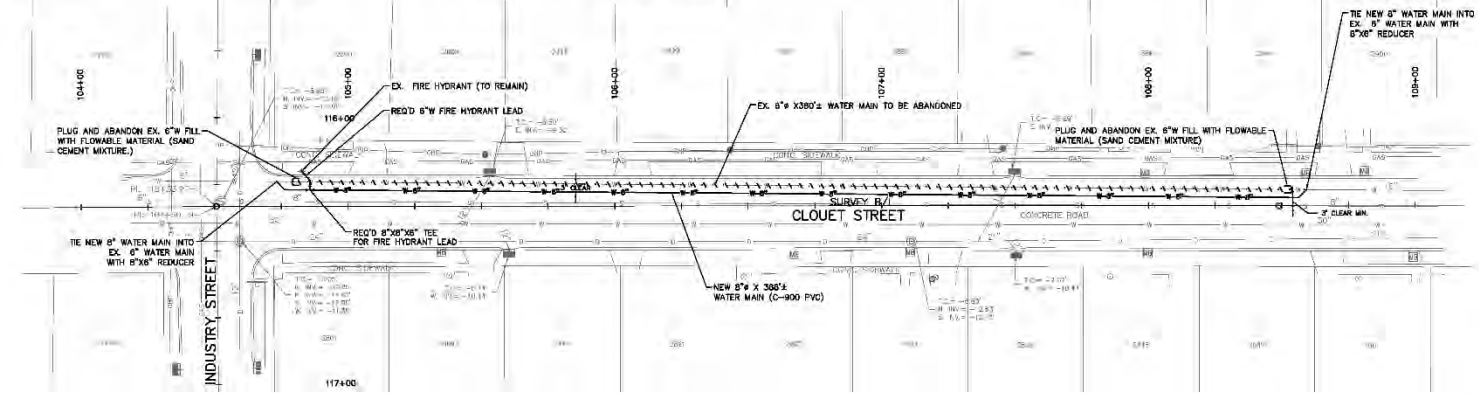
**LEGEND**

	BUILDING		TELEPHONE MANHOLE, TELE LINE		FIRE HYDRANT
	APPARENT RIGHT OF WAY		TRAFFIC MANHOLE, TRAFFIC LINE		LIGHT STANDARD
	SERVICE		WATER MANHOLE, WATER LINE		TRAFFIC SIGNAL POLE
	CATCH BASIN		UTILITY POLE / OVERHEAD LINES		TRAFFIC LIGHT POLE WALK
	CULVERT		ELECTRIC, TELEPHONE, CABLE TV		CANTORY SUPPORT
	DROP INLET, DRAIN LINE		FIBER OPTIC RISER / LINE		DOLLARD
	COMMUNICATIONS MANHOLE, LINE		FENCE		MAN
	DRAIN MANHOLE, DRAIN LINE		TIE		TIE
	ELECTRICAL MANHOLE, ELEC. LINE		TIE		TIE
	GAS MANHOLE, GAS LINE		TIE		TIE
	SEWER MANHOLE, SEWER LINE		TIE		TIE

- NOTES:**
1. THE LOCATIONS OF UNDERGROUND AND OTHER NONVISIBLE UTILITIES SHOWN HEREON HAVE BEEN DETERMINED FROM DATA EITHER FURNISHED BY THE AGENCIES CONTROLLING SUCH DATA AND/OR EXTRACTED FROM RECORDS MADE AVAILABLE TO US BY THE AGENCIES CONTROLLING SUCH RECORDS. WHERE FOUND, THE SURFACE FEATURES OF LOCATIONS ARE SHOWN. THE ACTUAL NONVISIBLE LOCATIONS MAY VARY FROM THOSE SHOWN HEREON. EACH AGENCY SHOULD BE CONTACTED RELATIVE TO THE PRECISE LOCATION OF ITS UNDERGROUND INSTALLATION PRIOR TO ANY RELIANCE UPON THE ACCURACY OF SUCH LOCATIONS SHOWN HEREON, INCLUDING PRIOR TO EXCAVATION AND DIGGING.
  2. SURVEY MADE IN ACCORD WITH REFERENCED PLANS. RIGHT-OF-WAY MAY NOT REFLECT AS-BUILT CONDITIONS OF INDIVIDUAL SQUARES.
  3. IMPROVEMENTS MAY NOT BE TO SCALE FOR CLARITY. THE DIMENSIONS SHOWN PREVAIL OVER SCALE.
  4. ALL HOUSE CONNECTIONS TO BE RECONNECTED (INCLUDING VACANT LOTS)
  5. CONTRACTOR TO VERIFY IN FIELD ELEVATION OF EXISTING WATER MAINS AT THE TIE-IN POINTS.

MINIMUM REQUIRED RESTRAIN JOINTS (FT)

	6" DIAM. 8' DIA.	12" DIAM. 16' DIA.
45° +DR BEND.	7	12
40° V.B. UNLD.	19	30
CROSS	5	5
DIAG. LND.	45	39
VALVE	45	59
REDUCER 6X6	25	47
REDUCER 12X8	47	48
REDUCER 15X12		



SHEET NUMBER 7 OF 29	
NO.	DATE
REVISION	DESCRIPTION
ENGINEERING CONSULTANT NAME ADDRESS	
SCALE	DATE
DESIGNED BY	CHECKED BY
DRAWN BY	DATE
CHECKED BY	DATE
CITY OF NEW ORLEANS, DEPARTMENT OF PUBLIC WORKS PROJECT NO. 2013-FEMA-5BC/2G DESIRE AREA NEIGHBORHOOD 2800 BLOCK CLOUET ST	
PLAN AND PROFILE SHEET	

S&WB PW NO. 20659 PROJECT NO. 2013-FEMA-5BC/2G DESIRE NEIGHBORHOOD

**LEGEND**

	BUILDING		TELEPHONE MANHOLE, TELE LINE		FIRE HYDRANT
	APPARENT RIGHT OF WAY		TRAFFIC MANHOLE, TRAFFIC LINE		LIGHT POLE/STAKE
	SERVICE		WATER MANHOLE, WATER LINE		TRAFFIC SIGNAL POLE
	CATCH BASIN		UTILITY POLE / OVERHEAD LINES		TRAFFIC LIGHT POLE/WALK
	CULVERT		ELECTRIC, TELEPHONE, CABLE TV		CULVERT SUPPORT
	DROP INLET, DRAIN LINE		FIBER OPTIC RISER / LINE		DOLLARD
	DROP INLET, DRAIN LINE		FENCE		TIE
	COMMUNICATIONS MANHOLE, LINE		TIE ROD / PEDESTAL		TIE
	DRAIN MANHOLE, DRAIN LINE		UTILITY CLEANOUT		TIE
	ELECTRICAL MANHOLE, ELEC. LINE		UTILITY METER		TIE
	GAS MANHOLE, GAS LINE		UTILITY PEDESTAL		TIE
	SEWER MANHOLE, SEWER LINE		UTILITY VALVE		TIE
			UTILITY VALVE VAULT		TIE

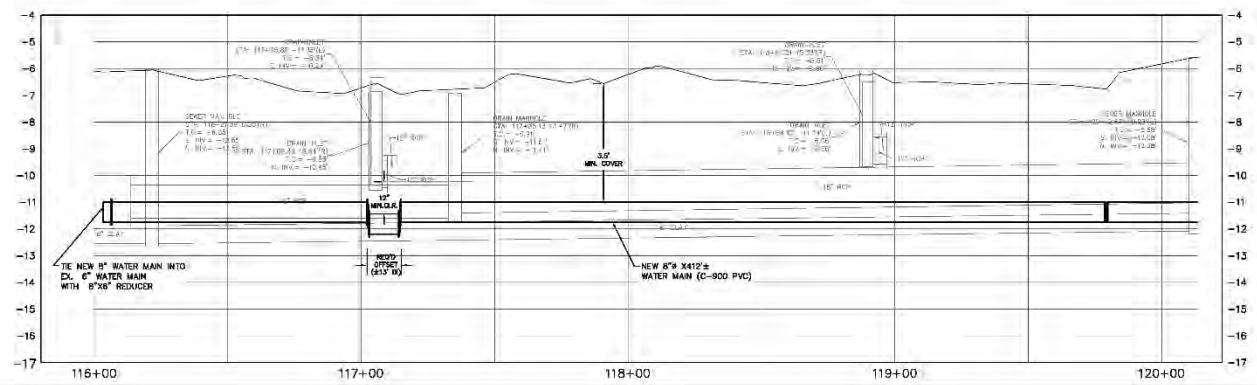
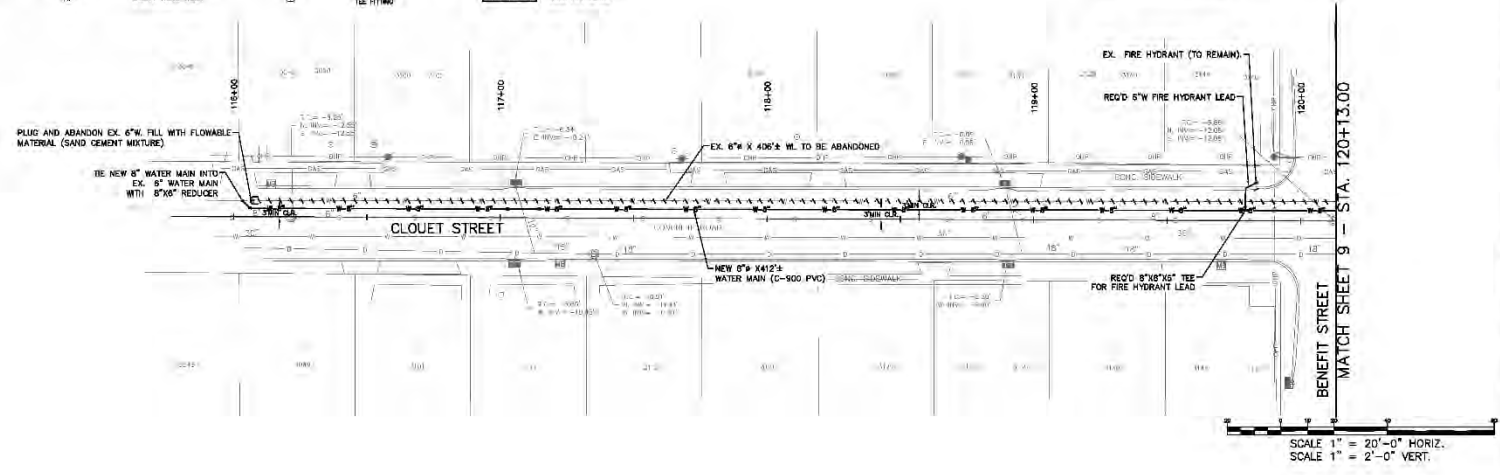
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  4. ALL HOUSE CONNECTIONS TO BE RECONNECTED (INCLUDING VACANT LOTS).
  5. CONTRACTOR TO VERIFY IN FIELD ELEVATION OF EXISTING WATER MAINS AT THE TIE-IN POINTS.

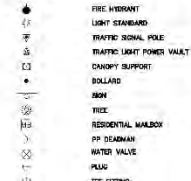
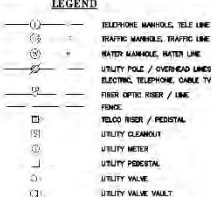
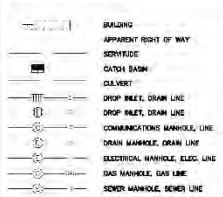
MINIMUM REQUIRED RESTRAIN JOINTS (FT)

	6" DIAM. S	8" DIAM. S	12" DIAM. S	16" DIAM. S
45° HDR BEND	7	8	12	15
40° V.B. UNLD.	19	20	30	45
CROSS	5	5	5	5
DLAD LND.	45	39	63	70.7
VALVE	45	39	63	70.7
REDUCER 8"X		25		
REDUCER 12"X			47	
REDUCER 15"X12"				48



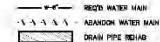
SHEET NUMBER		8 OF 29	
BY			
REVISION DESCRIPTION			
NO.	DATE	REVISION	DESCRIPTION
ENGINEERING CONSULTANT NAME ADDRESS SCALE SHEET			
CITY OF NEW ORLEANS, DEPARTMENT OF PUBLIC WORKS PROJECT NO. 2013-FEMA-5BC/2G DESIRE AREA NEIGHBORHOOD 3100 BLOCK CLOUET ST PLAN AND PROFILE SHEET			





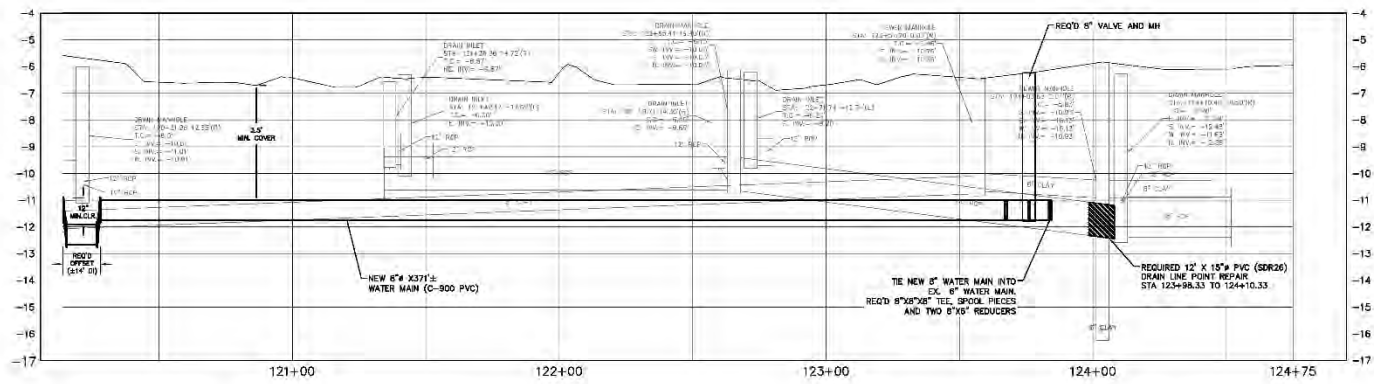
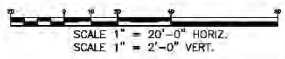
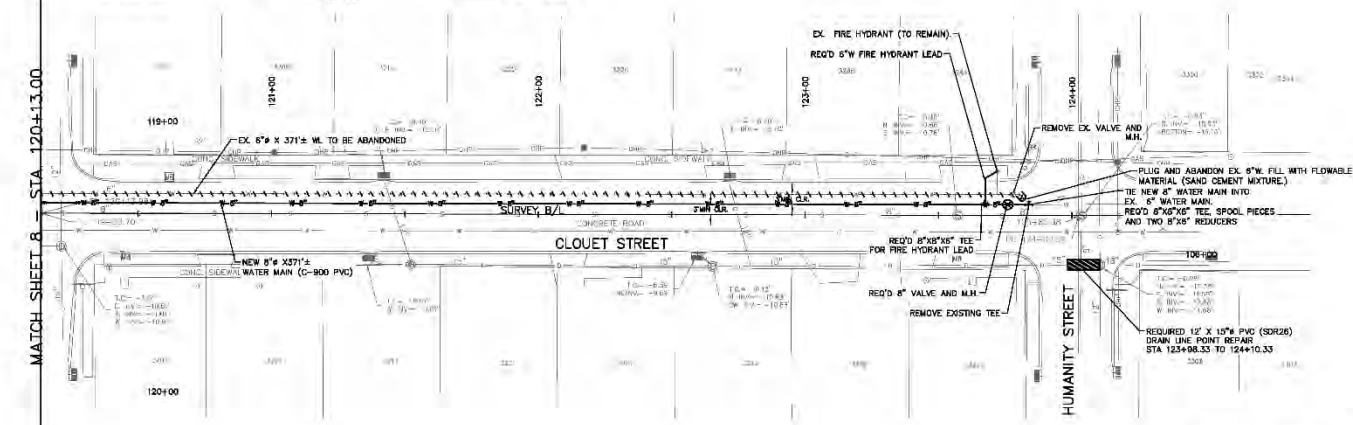
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4. ALL HOUSE CONNECTIONS TO BE RECONNECTED (INCLUDING VACANT LOTS).
5. CONTRACTOR TO VERIFY IN FIELD ELEVATION OF EXISTING WATER MAINS AT THE TIE-IN POINTS.



MINIMUM REQUIRED RESTRAIN JOINTS (FT)

	6" DIAM. R	8" DIAM. R	12" DIAM. R	16" DIAM. R
45° +DR BEND	7	8	12	15
40° V.B. UNLD.	19	20	30	45
CROSS	5	5	5	5
DLAD LND.	45	39	63	70
VALVE	45	59	53	107
REDUCER 6"X6"		25		
REDUCER 12"X8"			47	
REDUCER 15"X12"				48



SHEET NUMBER  
9 OF 29

NO. DATE REVISION DESCRIPTION

ENGINEERING CONSULTANT NAME  
SCALE  
ADDRESS



CITY OF NEW ORLEANS, DEPARTMENT OF PUBLIC WORKS  
PROJECT NO. 2013-FEMA-5BC/2G  
DESIRE AREA NEIGHBORHOOD  
3200 BLOCK CLOUET ST  
PLAN AND PROFILE SHEET





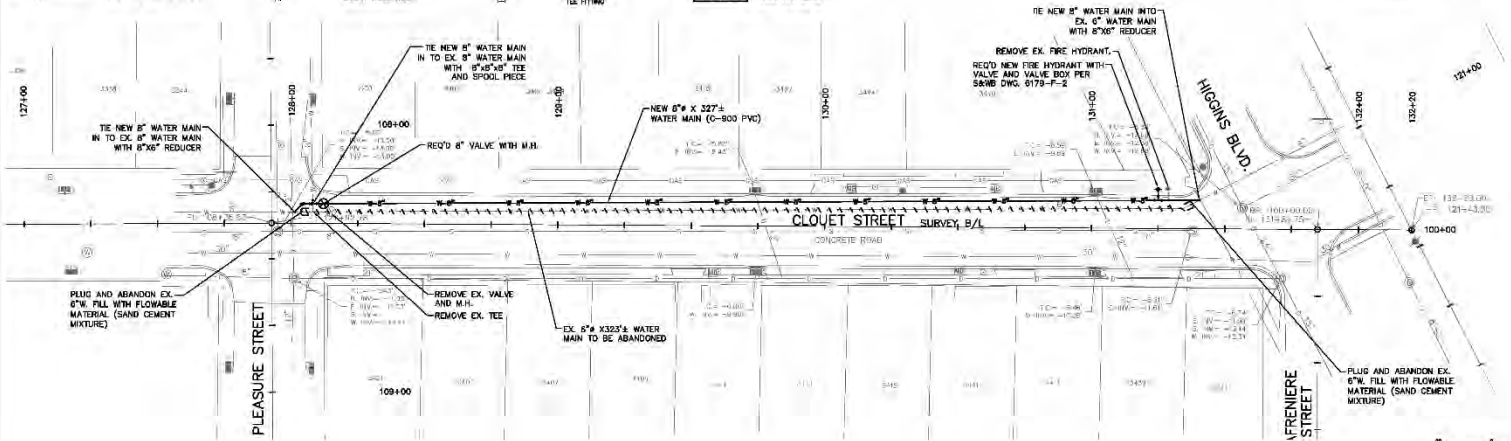
LEGEND	
	BUILDING
	APPARENT RIGHT OF WAY
	SERVICE
	CATCH BASIN
	CULVERT
	DROP INLET, DRAIN LINE
	DROP INLET, DRAIN LINE
	COMMUNICATIONS MANHOLE, LINE
	DRAIN MANHOLE, DRAIN LINE
	ELECTRICAL MANHOLE, ELEC. LINE
	GAS MANHOLE, GAS LINE
	SEWER MANHOLE, SEWER LINE
	TELEPHONE MANHOLE, TELE. LINE
	TRAFFIC MANHOLE, TRAFFIC LINE
	WATER MANHOLE, WATER LINE
	UTILITY POLE / OVERHEAD LINES
	ELECTRIC, TELEPHONE, CABLE TV
	FIBER OPTIC RISER / LINE
	FENCE
	TIE ROD RISER / PEDISTAL
	UTILITY CHAMBER
	UTILITY METER
	UTILITY PEDISTAL
	UTILITY VALVE
	UTILITY VALVE VAULT
	FIRE HYDRANT
	LIGHT RISER
	TRAFFIC SIGNAL POLE
	TRAFFIC LIGHT POWER VAULT
	CULVERT SUPPORT
	DOLLARD
	MAN
	TIE
	RESIDENTIAL MAILBOX
	PP SEAMAN
	WATER VALVE
	PLUG
	TIE FITTING

- NOTES:**
1. THE LOCATIONS OF UNDERGROUND AND OTHER NONVISIBLE UTILITIES SHOWN HEREON HAVE BEEN DETERMINED FROM DATA EITHER FURNISHED BY THE AGENCIES CONTROLLING SUCH DATA AND/OR EXTRACTED FROM RECORDS MADE AVAILABLE TO US BY THE AGENCIES CONTROLLING SUCH RECORDS. WHERE FOUND, THE SURFACE FEATURES OF LOCATIONS ARE SHOWN. THE ACTUAL NONVISIBLE LOCATIONS MAY VARY FROM THOSE SHOWN HEREON. EACH AGENCY SHOULD BE CONTACTED RELATIVE TO THE PRECISE LOCATION OF ITS UNDERGROUND INSTALLATION PRIOR TO ANY RELIANCE UPON THE ACCURACY OF SUCH LOCATIONS SHOWN HEREON, INCLUDING PRIOR TO EXCAVATION AND DIGGING.
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  3. IMPROVEMENTS MAY NOT BE TO SCALE FOR CLARITY. THE DIMENSIONS SHOWN PREVAIL OVER SCALE.
  4. ALL HOUSE CONNECTIONS TO BE RECONNECTED (INCLUDING VACANT LOTS).
  5. CONTRACTOR TO VERIFY IN FIELD ELEVATION OF EXISTING WATER MAINS AT THE TIE-IN POINTS.

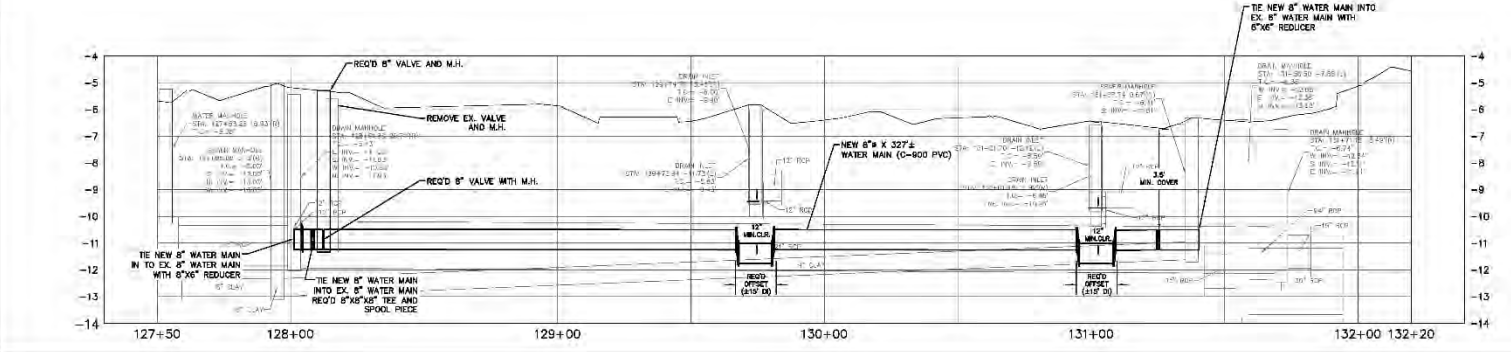
MINIMUM REQUIRED RESTRAIN JOINTS (FT)

	6" DIAM. S	8" DIAM. S	12" DIAM. 16" DIAM.
45° HDR BEND.	7	8	12
40° V.B. UNLD.	19	20	35
CROSS	5	5	5
DLAD LND.	45	39	63
VALVE	45	39	63
REDUCER 51X	25	25	47
REDUCER 12X12			48

GRID NORTH  
NORTH REFERENCED TO LOCAL  
STATE PLANE COORDINATE SYSTEM  
SOURCE: ES&S MAP 63



SCALE 1" = 20'-0" HORIZ.  
SCALE 1" = 2'-0" VERT.



SHEET NUMBER 10 OF 29	
BY	
REVISION	
DESCRIPTION	
NO.	DATE
ENGINEERING CONSULTANT NAME	
ADDRESS	
SCALE	
DATE	
SHEET	
DESIGNED BY	
CHECKED BY	
DATE	
CITY OF NEW ORLEANS, DEPARTMENT OF PUBLIC WORKS	
PROJECT NO. 2013-FEMA-5BC/2G	
DESIRE AREA NEIGHBORHOOD	
3400 BLOCK CLOVET ST	
PLAN AND PROFILE SHEET	

**LEGEND**

	BUILDING		TELEPHONE MANHOLE, TELE LINE
	AIRPORT RIGHT OF WAY		TRAFFIC MANHOLE, TRAFFIC LINE
	SEWERAGE		WATER MANHOLE, WATER LINE
	CATCH BASIN		UTILITY POLE / OVERHEAD LINES
	CULVERT		ELECTRIC, TELEPHONE, CABLE, TV
	DROP INLET, DRAIN LINE		FIBER OPTIC RISER / LINE
	COMMUNICATIONS MANHOLE, LINE		FENCE
	DRAIN MANHOLE, DRAIN LINE		TELLO RISER / PEDISTAL
	ELECTRICAL MANHOLE, ELEC. LINE		UTILITY CLEANOUT
	GAS MANHOLE, GAS LINE		UTILITY METER
	SEWER MANHOLE, SEWER LINE		UTILITY PEDISTAL
			UTILITY VALVE
			UTILITY VALVE VAULT

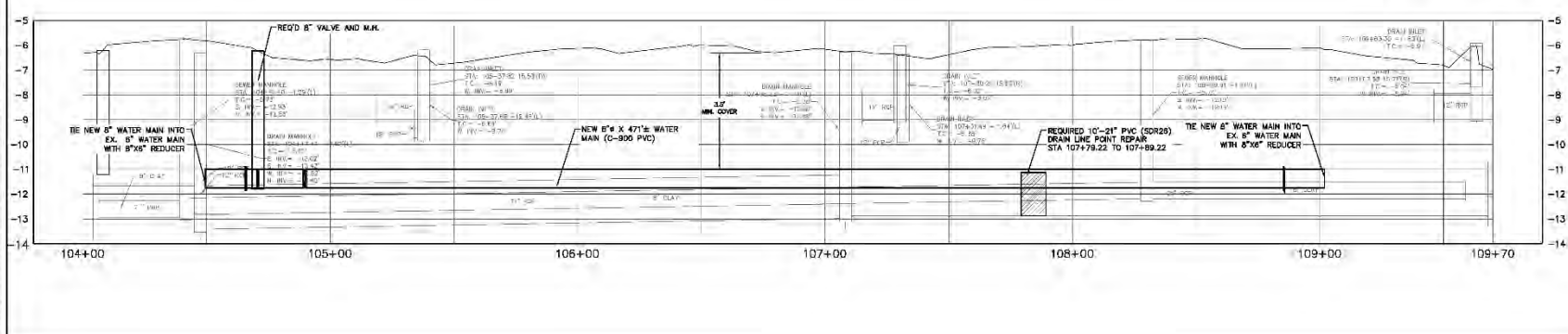
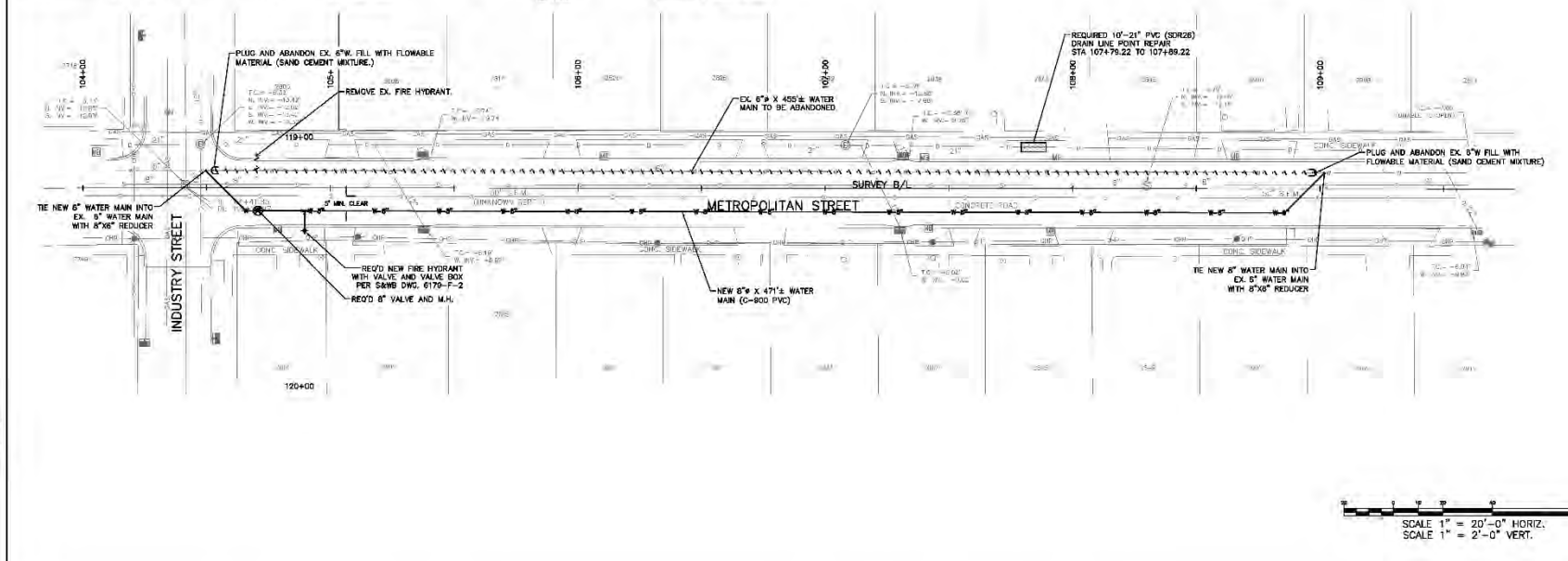
	FIRE HYDRANT		LIGHT POLES
	TRAFFIC SIGNAL POLE		TRAFFIC LIGHT POWER VAULT
	UTILITY SUPPORT		POLE
	DOLLARD		TIE
	RESIDENTIAL MANHOLE		PP SEAMAN
	TIE		WATER VALVE
	PLUG		PLUG
	TIE FITTING		TIE FITTING

- NOTES:**
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  4. ALL HOUSE CONNECTIONS TO BE RECONNECTED (INCLUDING VACANT LOTS)
  5. CONTRACTOR TO VERIFY IN FIELD ELEVATION OF EXISTING WATER MAINS AT THE TIE-IN POINTS.

MINIMUM REQUIRED RESTRAIN JOINTS (FT)

	6" DIAM. S	8" DIAM. S	12" DIAM. S	16" DIAM. S
45° HDR BEND	7	8	12	15
40° V.B. UNLD.	19	20	35	45
CROSS	5	5	5	5
DLAD LND.	45	39	63	107
VALVE	45	59	73	107
REDUCER 51X		25		
REDUCER 12X8			47	
REDUCER 15X12				48

90% PLANS  
NOT FOR CONSTRUCTION



SHEET NUMBER  
11 OF 29

BY

REVISION DESCRIPTION

NO. DATE

ENGINEERING CONSULTANT NAME  
ADDRESS  
SCALE  
RESIGNED BY & DATE  
CHECKED BY & DATE  
CONDUCTED BY & DATE

U.S. DEPARTMENT OF THE ARMY  
CORPS OF ENGINEERS  
NEW ORLEANS DISTRICT OFFICE

CITY OF NEW ORLEANS, DEPARTMENT OF PUBLIC WORKS  
PROJECT NO. 2013-FEMA-5BC/2G  
DESIRE AREA NEIGHBORHOOD  
2800 BLOCK METROPOLITAN ST

PLAN AND PROFILE SHEET

**LEGEND**

	BUILDING		TELEPHONE MANHOLE, TELE LINE
	APPARENT RIGHT OF WAY		TRAFFIC MANHOLE, TRAFFIC LINE
	SERVICE		WATER MANHOLE, WATER LINE
	CATCH BASIN		UTILITY POLE / OVERHEAD LINES
	CULVERT		ELECTRIC, TELEPHONE, CABLE TV
	DROP INLET, DRAIN LINE		FIBER OPTIC RISER / LINE
	DROP INLET, DRAIN LINE		FENCE
	COMMUNICATIONS MANHOLE, LINE		TIE ROD RISER / PEDISTAL
	DRAIN MANHOLE, DRAIN LINE		UTILITY CLEANOUT
	ELECTRICAL MANHOLE, ELEC. LINE		UTILITY METER
	GAS MANHOLE, GAS LINE		UTILITY PEDISTAL
	SEWER MANHOLE, SEWER LINE		UTILITY VALVE
			UTILITY VALVE VAULT

**NOTES:**

1. THE LOCATIONS OF UNDERGROUND AND OTHER NONVISIBLE UTILITIES SHOWN HEREON HAVE BEEN DETERMINED FROM DATA EITHER FURNISHED BY THE AGENCIES CONTROLLING SUCH DATA AND/OR EXTRACTED FROM RECORDS MADE AVAILABLE TO US BY THE AGENCIES CONTROLLING SUCH RECORDS. WHERE FOUND, THE SURFACE FEATURES OF LOCATIONS ARE SHOWN. THE ACTUAL NONVISIBLE LOCATIONS MAY VARY FROM THOSE SHOWN HEREON. EACH AGENCY SHOULD BE CONTACTED RELATIVE TO THE PRECISE LOCATION OF ITS UNDERGROUND INSTALLATION PRIOR TO ANY RELIANCE UPON THE ACCURACY OF SUCH LOCATIONS SHOWN HEREON, INCLUDING PRIOR TO EXCAVATION AND DIGGING.
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	REDUCER WATER MAIN
	ABANDON WATER MAIN
	DRAIN PIPE REDUCER

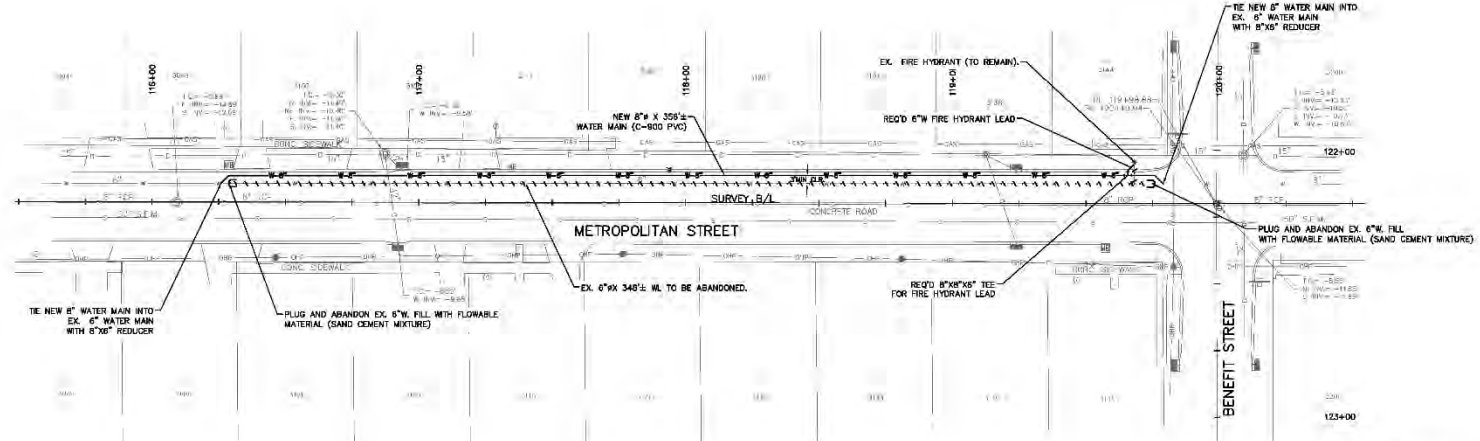
MINIMUM REQUIRED RESTRAIN JOINTS (FT)

	6" DIAM. S	8" DIAM. S	12" DIAM. 16" DIAM.
45° HDR BEND	7	8	12
40° V.B. ELND.	19	20	35
CROSS	5	5	5
DIAG. LND.	45	39	63
VALVE	45	59	75
REDUCER 6"X8"	25		
REDUCER 12"X12"		47	48

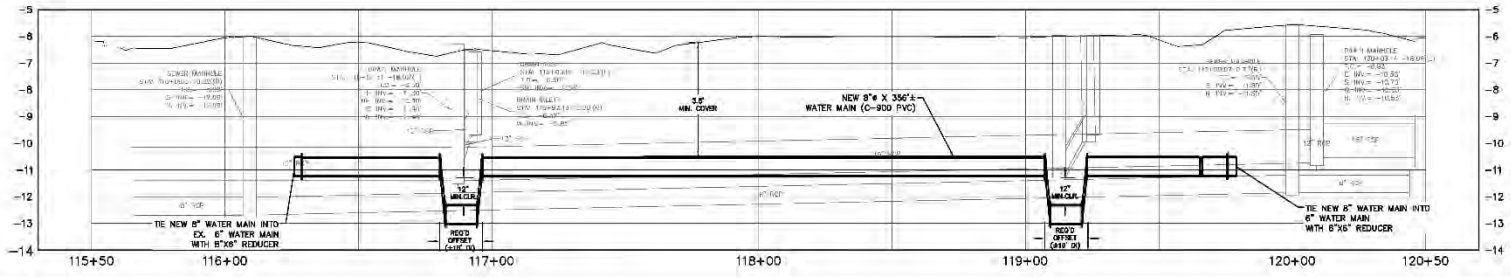
90% PLANS  
NOT FOR CONSTRUCTION

GRID NORTH  
NORTH REFERENCED TO LOCAL STATE PLANE COORDINATE SYSTEM  
SOURCE: ES&S, MAP 43

SHEET NUMBER 12 OF 29	
NO.	DATE
REVISION	DESCRIPTION
ENGINEERING CONSULTANT NAME	SCALE
ADDRESS	DATE
ISSUED BY	CHECKED BY
DESIGNED BY	DATE
PROJECT NO.	DATE
CITY OF NEW ORLEANS, DEPARTMENT OF PUBLIC WORKS	
PROJECT NO. 2013-FEMA-5BC/2G	
DESIRE AREA NEIGHBORHOOD	
3100 BLOCK METROPOLITAN ST.	
PLAN AND PROFILE SHEET	



SCALE 1" = 20'-0" HORIZ.  
SCALE 1" = 2'-0" VERT.



S&WB PW NO. 20659 PROJECT NO. 2013-FEMA-5BC/2G DESIRE NEIGHBORHOOD

**LEGEND**

	BUILDING		TELEPHONE MANHOLE, TELE LINE
	APPARENT RIGHT OF WAY		TRAFFIC MANHOLE, TRAFFIC LINE
	SERVICE		WATER MANHOLE, WATER LINE
	CATCH BASIN		UTILITY POLE / OVERHEAD LINES
	CULVERT		ELECTRIC, TELEPHONE, CABLE TV
	DROP INLET, DRAIN LINE		FIBER OPTIC RISER / LINE
	COMMUNICATIONS MANHOLE, LINE		FENCE
	DRAIN MANHOLE, DRAIN LINE		TIE ROD RISER / PEDISTAL
	ELECTRICAL MANHOLE, ELEC. LINE		UTILITY CLEANOUT
	GAS MANHOLE, GAS LINE		UTILITY METER
	SEWER MANHOLE, SEWER LINE		UTILITY PEDISTAL
			UTILITY VALVE
			UTILITY VALVE VAULT

**LEGEND**

	FIRE HYDRANT		LIGHT RISER
	TRAFFIC SIGNAL POLE		TRAFFIC LIGHT POLE VAULT
	CANTORY SUPPORT		DOLLARD
	MAN		RESIDENTIAL MAILBOX
	TIE		PP SEAMAN
	WATER VALVE		PLUG
	TIE FITTING		

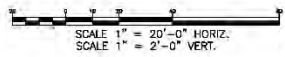
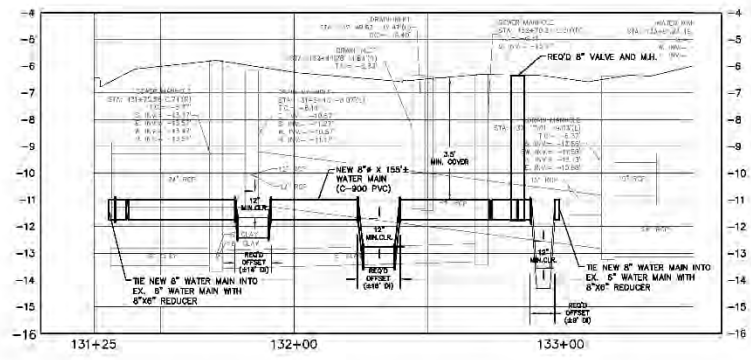
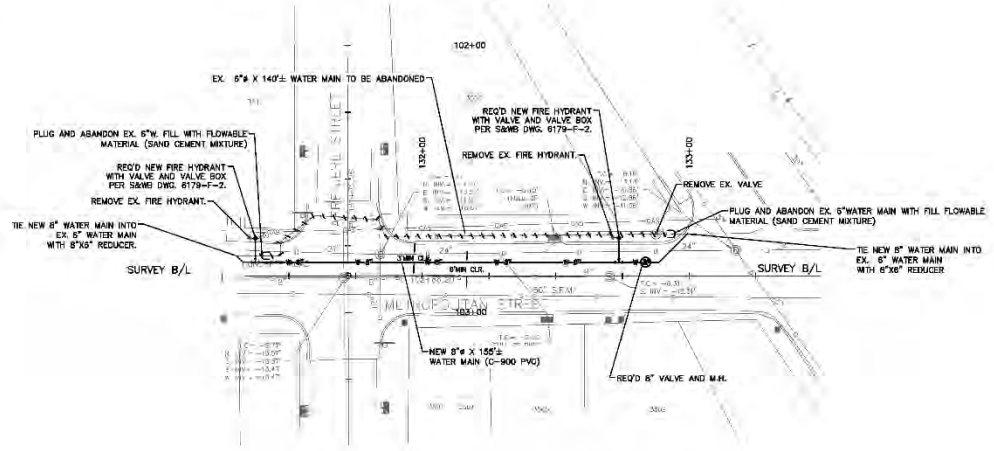
- NOTES:**
1. THE LOCATIONS OF UNDERGROUND AND OTHER NONVISIBLE UTILITIES SHOWN HEREON HAVE BEEN DETERMINED FROM DATA EITHER FURNISHED BY THE AGENCIES CONTROLLING SUCH DATA AND/OR EXTRACTED FROM RECORDS MADE AVAILABLE TO US BY THE AGENCIES CONTROLLING SUCH RECORDS. WHERE FOUND, THE SURFACE FEATURES OF LOCATIONS ARE SHOWN. THE ACTUAL NONVISIBLE LOCATIONS MAY VARY FROM THOSE SHOWN HEREON. EACH AGENCY SHOULD BE CONTACTED RELATIVE TO THE PRECISE LOCATION OF ITS UNDERGROUND INSTALLATION PRIOR TO ANY RELIANCE UPON THE ACCURACY OF SUCH LOCATIONS SHOWN HEREON, INCLUDING PRIOR TO EXCAVATION AND DIGGING.
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  4. ALL HOUSE CONNECTIONS TO BE RECONNECTED (INCLUDING VACANT LOTS).
  5. CONTRACTOR TO VERIFY IN FIELD ELEVATION OF EXISTING WATER MAINS AT THE TIE-IN POINTS.

MINIMUM REQUIRED RESTRAIN JOINTS (FT)

	6" DIAM. 8'	6" DIAM. 12'	12" DIAM.
45° HDR BEND.	7	8	15
40° V.B. UNLD.	19	20	45
CROSS	5	5	5
DLAD LND.	45	39	64
VALVE	45	59	107
REDUCER 6X6		25	
REDUCER 12X8		47	
REDUCER 15X12			48



90% PLANS  
NOT FOR CONSTRUCTION



SHEET NUMBER  
13 OF 29

NO. DATE REVISION DESCRIPTION BY

ENGINEERING CONSULTANT NAME ADDRESS SCALE DATE SHEET

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

CITY OF NEW ORLEANS, DEPARTMENT OF PUBLIC WORKS  
PROJECT NO. 2013-FEMA-5BC/2G  
DESIRE AREA NEIGHBORHOOD  
3000 BLOCK METROPOLITAN ST.

PLAN AND PROFILE SHEET

S&WB PW NO. 20659 PROJECT NO. 2013-FEMA-5BC/2G DESIRE NEIGHBORHOOD

**LEGEND**

	BUILDING		TELEPHONE MANHOLE, TELE LINE		FIRE HYDRANT
	APPARENT RIGHT OF WAY		TRAFFIC MANHOLE, TRAFFIC LINE		LIGHT TRANSFORMER
	SERVICE		WATER MANHOLE, WATER LINE		TRAFFIC SIGNAL POLE
	CATCH BASIN		UTILITY POLE / OVERHEAD LINES		TRAFFIC LIGHT POWER VAULT
	CULVERT		ELECTRIC, TELEPHONE, CABLE TV		CULVERT SUPPORT
	DROP INLET, DRAIN LINE		FIBER OPTIC RISER / LINE		DOLLARD
	COMMUNICATIONS MANHOLE, LINE		FENCE		MAN
	DRAIN MANHOLE, DRAIN LINE		TIE ROD / PEDESTAL		TIE
	ELECTRICAL MANHOLE, ELEC. LINE		UTILITY CLAMP/UT		TIE FITTING
	GAS MANHOLE, GAS LINE		UTILITY METER		RESIDENTIAL MAILBOX
	SEWER MANHOLE, SEWER LINE		UTILITY PEDESTAL		PP SEABORN
			UTILITY VALVE		WATER VALVE
			UTILITY VALVE VAULT		PLUG

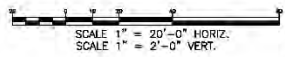
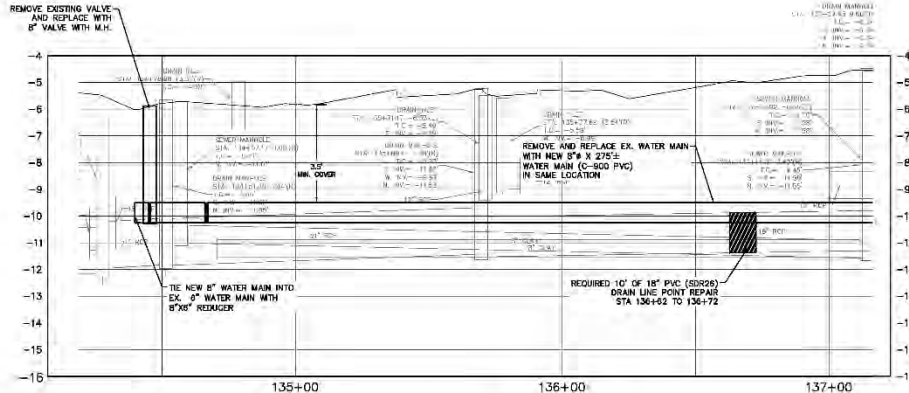
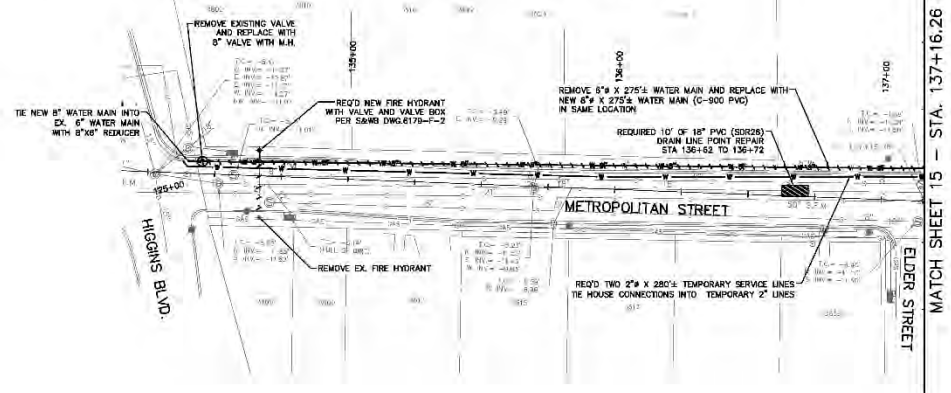
- NOTES:**
1. THE LOCATIONS OF UNDERGROUND AND OTHER NONVISIBLE UTILITIES SHOWN HEREON HAVE BEEN DETERMINED FROM DATA EITHER FURNISHED BY THE AGENCIES CONTROLLING SUCH DATA AND/OR EXTRACTED FROM RECORDS MADE AVAILABLE TO US BY THE AGENCIES CONTROLLING SUCH RECORDS. WHERE FOUND, THE SURFACE FEATURES OF LOCATIONS ARE SHOWN. THE ACTUAL NONVISIBLE LOCATIONS MAY VARY FROM THOSE SHOWN HEREON. EACH AGENCY SHOULD BE CONTACTED RELATIVE TO THE PRECISE LOCATION OF ITS UNDERGROUND INSTALLATION PRIOR TO ANY RELIANCE UPON THE ACCURACY OF SUCH LOCATIONS SHOWN HEREON, INCLUDING PRIOR TO EXCAVATION AND DIGGING.
  2. SURVEY MADE IN ACCORD WITH REFERENCED PLANS. RIGHT-OF-WAY MAY NOT REFLECT AS-BUILT CONDITIONS OF INDIVIDUAL SQUARES.
  3. IMPROVEMENTS MAY NOT BE TO SCALE FOR CLARITY. THE DIMENSIONS SHOWN PREVAIL OVER SCALE.
  4. ALL HOUSE CONNECTIONS TO BE RECONNECTED (INCLUDING VACANT LOTS).
  5. CONTRACTOR TO VERIFY IN FIELD ELEVATION OF EXISTING WATER MAINS AT THE TIE-IN POINTS.

MINIMUM REQUIRED RESTRAIN JOINTS (FT)

	6" DIAM. 8'	DIAM. 8'	DIAM. 12'	DIAM. 16'
45° HDR BEND	7	8	12	15
40° V.B. UNLD.	19	20	30	45
CROSS	5	5	5	5
DLAD LND.	45	39	63	107
VALVE	45	39	63	107
REDUCER 6X6		25		
REDUCER 12X8		4'		
REDUCER 15X12			4B	



90% PLANS  
NOT FOR CONSTRUCTION



SHEET NUMBER		14 OF 29	
BY	REVISION	DATE	DESCRIPTION
ENGINEERING CONSULTANT NAME ADDRESS SCALE DATE SHEET			
CITY OF NEW ORLEANS, DEPARTMENT OF PUBLIC WORKS PROJECT NO. 2013-FEMA-5BC/2G DESIRE AREA NEIGHBORHOOD 3600 BLOCK METROPOLITAN ST. (1 OF 2)			
PLAN AND PROFILE SHEET			

S&WB PW NO. 20659 PROJECT NO. 2013-FEMA-5BC/2G DESIRE NEIGHBORHOOD

**LEGEND**

	BUILDING		TELEPHONE MANHOLE, TELE LINE
	APPARENT RIGHT OF WAY		TRAFFIC MANHOLE, TRAFFIC LINE
	SERVICE		WATER MANHOLE, WATER LINE
	CATCH BASIN		UTILITY POLE / OVERHEAD LINES
	CULVERT		ELECTRIC, TELEPHONE, CABLE TV
	DROP INLET, DRAIN LINE		FIBER OPTIC RISER / LINE
	COMMUNICATIONS MANHOLE, LINE		FENCE
	DRAIN MANHOLE, DRAIN LINE		ROAD RISER / PEDestal
	ELECTRICAL MANHOLE, ELEC. LINE		UTILITY CHAMBER
	GAS MANHOLE, GAS LINE		UTILITY METER
	SEWER MANHOLE, SEWER LINE		UTILITY PEDESTAL
			UTILITY VALVE
			UTILITY VALVE VAULT

	FIRE HYDRANT		LIGHT RISER
	TRAFFIC SIGNAL POLE		TRAFFIC LIGHT POWER VAULT
	CANOPY SUPPORT		DOLLARD
	MAN		TIE
	TIE		RESIDENTIAL MAILBOX
	PP SEAMAN		WATER VALVE
	PLUG		TIE FITTING

**NOTES:**

1. THE LOCATIONS OF UNDERGROUND AND OTHER NONVISIBLE UTILITIES SHOWN HEREON HAVE BEEN DETERMINED FROM DATA EITHER FURNISHED BY THE AGENCIES CONTROLLING SUCH DATA AND/OR EXTRACTED FROM RECORDS MADE AVAILABLE TO US BY THE AGENCIES CONTROLLING SUCH RECORDS. WHERE FOUND, THE SURFACE FEATURES OF LOCATIONS ARE SHOWN. THE ACTUAL NONVISIBLE LOCATIONS MAY VARY FROM THOSE SHOWN HEREON. EACH AGENCY SHOULD BE CONTACTED RELATIVE TO THE PRECISE LOCATION OF ITS UNDERGROUND INSTALLATION PRIOR TO ANY RELIANCE UPON THE ACCURACY OF SUCH LOCATIONS SHOWN HEREON, INCLUDING PRIOR TO EXCAVATION AND DIGGING.
2. SURVEY MADE IN ACCORD WITH REFERENCED PLANS. RIGHT-OF-WAY MAY NOT REFLECT AS-BUILT CONDITIONS OF INDIVIDUAL SQUARES.
3. IMPROVEMENTS MAY NOT BE TO SCALE FOR CLARITY. THE DIMENSIONS SHOWN PREVAIL OVER SCALE.
4. ALL HOUSE CONNECTIONS TO BE RECONNECTED (INCLUDING VACANT LOTS).
5. CONTRACTOR TO VERIFY IN FIELD ELEVATION OF EXISTING WATER MAINS AT THE TIE-IN POINTS.

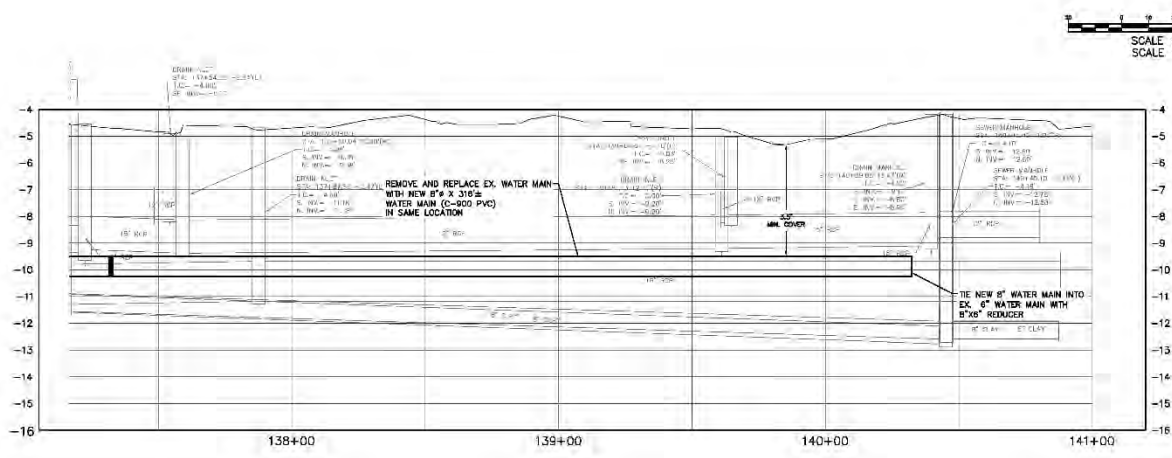
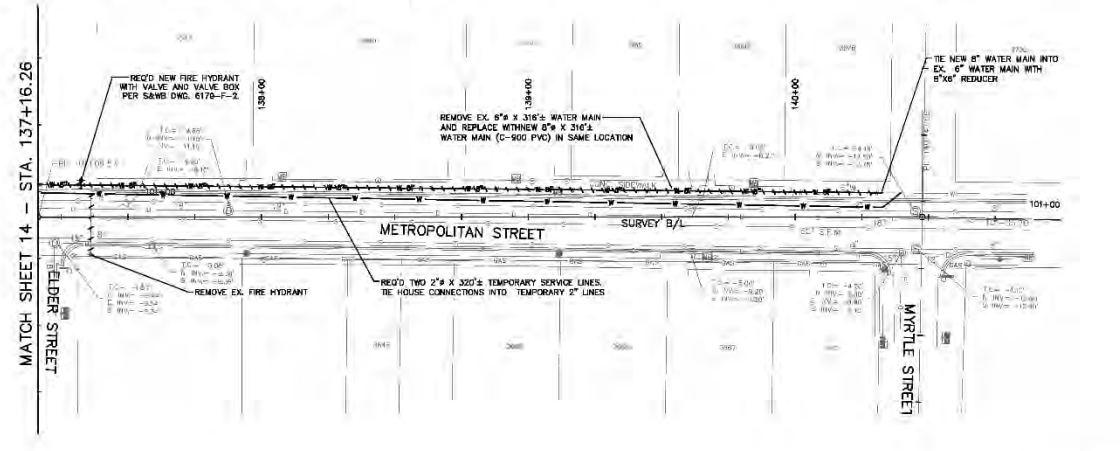
REINFORCED WATER MAIN  
 ABANDONED WATER MAIN  
 DRAIN PIPE RISER

MINIMUM REQUIRED RESTRAIN JOINTS (FT)

	6" DIAM.	8" DIAM.	12" DIAM.	16" DIAM.
45° +DR BEND.	7	8	12	15
40° V.B. UNLD.	19	20	35	45
CROSS	5	5	5	5
DLG. LND.	45	39	63	107
VALVE	45	39	63	107
REDUCER 6X6		25		
REDUCER 12X8		47		
REDUCER 15X12			48	



SHEET NUMBER		15 OF 29	
BY	NO.	DATE	REVISION DESCRIPTION
ENGINEERING CONSULTANT NAME			
ADDRESS			
DESIGNED BY	SCALE	CHECKED BY	DATE
DRAWN BY	DATE	DATE	SHEET
CITY OF NEW ORLEANS, DEPARTMENT OF PUBLIC WORKS			
PROJECT NO. 2013-FEMA-5BC/2G			
DESIRE AREA NEIGHBORHOOD			
3600 BLOCK METROPOLITAN ST. (2 OF 2)			
PLAN AND PROFILE SHEET			



SCALE 1" = 20'-0" HORIZ.  
SCALE 1" = 2'-0" VERT.

**LEGEND**

	BUILDING		TELEPHONE MANHOLE, TELE LINE
	APPARENT RIGHT OF WAY		TRAFFIC MANHOLE, TRAFFIC LINE
	SEWER PIPE		WATER MANHOLE, WATER LINE
	CATCH BASIN		UTILITY POLE / OVERHEAD LINES
	CULVERT		ELECTRIC, TELEPHONE, CABLE TV
	DROP INLET, DRAIN LINE		FIBER OPTIC RISER / LINE
	DROP INLET, DRAIN LINE		FENCE
	COMMUNICATIONS MANHOLE, LINE		T-BOX RISER / PEDESTAL
	DRAIN MANHOLE, DRAIN LINE		UTILITY CLEANOUT
	ELECTRICAL MANHOLE, ELEC. LINE		UTILITY METER
	GAS MANHOLE, GAS LINE		UTILITY PEDESTAL
	SEWER MANHOLE, SEWER LINE		UTILITY VALVE
			UTILITY VALVE VAULT

	FIRE HYDRANT LIGHT ENCLOSURE		FIRE HYDRANT
	TRAFFIC SIGNAL POLE		TRAFFIC LIGHT POWER VAULT
	UTILITY POLE SUPPORT		DOLLARD
	SIGN		TIE
	RESIDENTIAL MANHOLE		PP DEADMAN
	WATER VALVE		PLUG
	TEE FITTING		

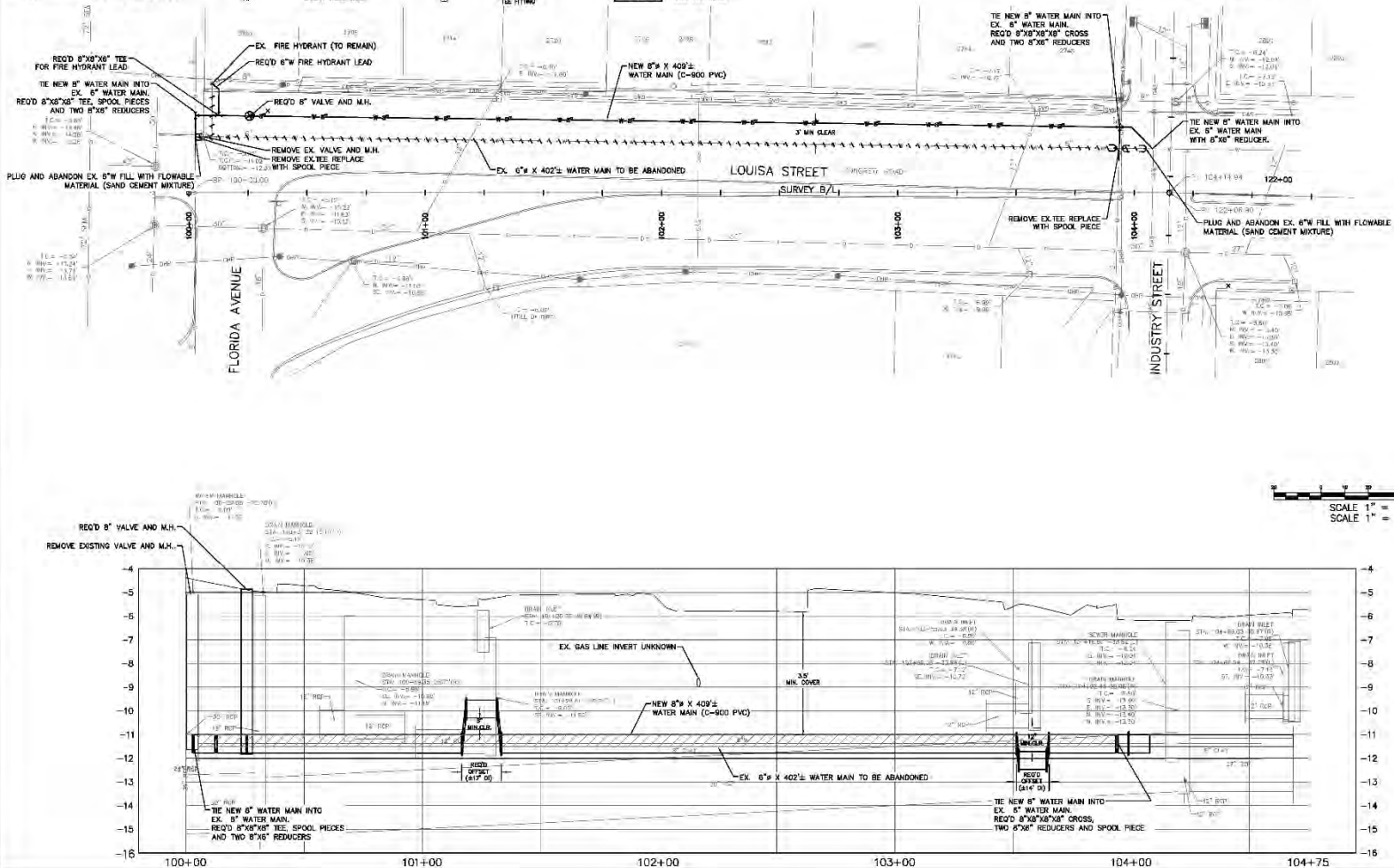
- NOTES:**
1. THE LOCATIONS OF UNDERGROUND AND OTHER NONVISIBLE UTILITIES SHOWN HEREON HAVE BEEN DETERMINED FROM DATA EITHER FURNISHED BY THE AGENCIES CONTROLLING SUCH DATA AND/OR EXTRACTED FROM RECORDS MADE AVAILABLE TO US BY THE AGENCIES CONTROLLING SUCH RECORDS. WHERE FOUND, THE SURFACE FEATURES OF LOCATIONS ARE SHOWN. THE ACTUAL NONVISIBLE LOCATIONS MAY VARY FROM THOSE SHOWN HEREON. EACH AGENCY SHOULD BE CONTACTED RELATIVE TO THE PRECISE LOCATION OF ITS UNDERGROUND INSTALLATION PRIOR TO ANY RELIANCE UPON THE ACCURACY OF SUCH LOCATIONS SHOWN HEREON, INCLUDING PRIOR TO EXCAVATION AND DIGGING.
  2. SURVEY MADE IN ACCORD WITH REFERENCED PLANS. RIGHT-OF-WAY MAY NOT REFLECT AS-BUILT CONDITIONS OF INDIVIDUAL SQUARES.
  3. IMPROVEMENTS MAY NOT BE TO SCALE FOR CLARITY. THE DIMENSIONS SHOWN PREVAIL OVER SCALE.
  4. ALL HOUSE CONNECTIONS TO BE RECONNECTED (INCLUDING VACANT LOTS).
  5. CONTRACTOR TO VERIFY IN FIELD ELEVATION OF EXISTING WATER MAINS AT THE TIE-IN POINTS.

MINIMUM REQUIRED RESTRAIN JOINTS (FT)

	6" DIAM. 8'	8" DIAM. 12'	16" DIAM.
45° HDR BEND.	7	8	15
45° VLB UNLD.	19	20	45
CROSS	5	5	5
DLAD LND.	45	59	63
VALVE	45	59	63
REDUCER 6X6	25		
REDUCER 12X8		47	
REDUCER 15X12			48



SHEET NUMBER 16 OF 29	
BY	
REVISION	DESCRIPTION
NO.	DATE
ENGINEERING CONSULTANT NAME	
ADDRESS	
ISSUED BY	SCALE
DESIGNED BY	DATE
CHECKED BY	SHEET
CITY OF NEW ORLEANS, DEPARTMENT OF PUBLIC WORKS	
PROJECT NO. 2013-FEMA-5BC/2G	
DESIRE AREA NEIGHBORHOOD	
2700 BLOCK LOUISA ST	
PLAN AND PROFILE SHEET	



SCALE 1" = 20'-0" HORIZ.  
SCALE 1" = 2'-0" VERT.



**LEGEND**

	BUILDING		TELEPHONE MANHOLE, TELE LINE
	AIRPORT RIGHT OF WAY		TRAFFIC MANHOLE, TRAFFIC LINE
	SEWERAGE		WATER MANHOLE, WATER LINE
	CATCH BASIN		UTILITY POLE / OVERHEAD LINES
	CULVERT		ELECTRIC, TELEPHONE, CABLE TV
	DROP INLET, DRAIN LINE		FIBER OPTIC RISER / CABLE
	DROP INLET, DRAIN LINE		FENCE
	COMMUNICATIONS MANHOLE, LINE		T-BOX RISER / PEDESTAL
	DRAIN MANHOLE, DRAIN LINE		UTILITY CLEANOUT
	ELECTRICAL MANHOLE, ELEC. LINE		UTILITY METER
	GAS MANHOLE, GAS LINE		UTILITY PEDESTAL
	SEWER MANHOLE, SEWER LINE		UTILITY VALVE
			UTILITY VALVE VAULT

**LEGEND**

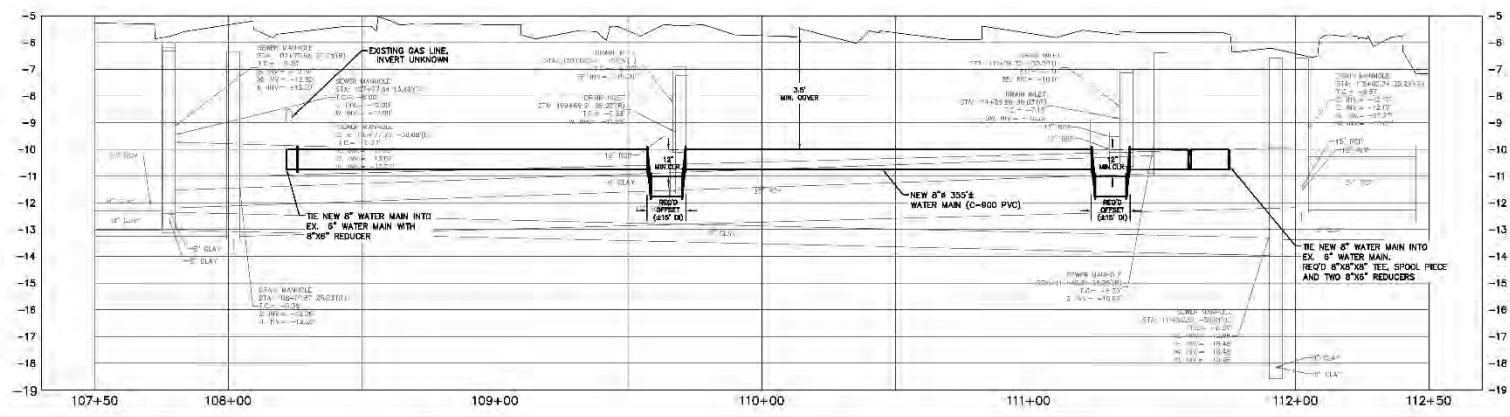
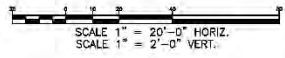
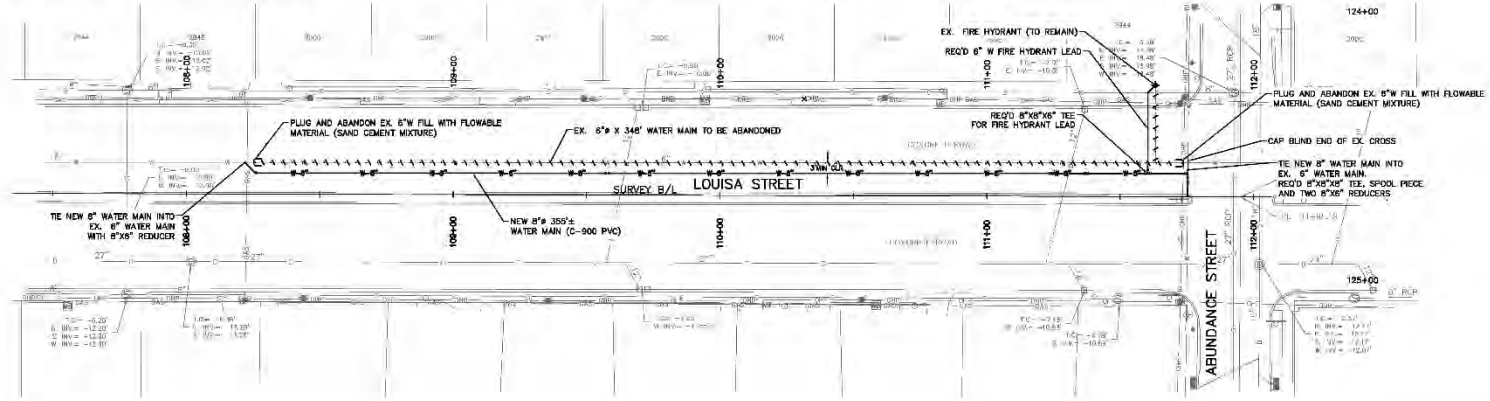
	FIRE HYDRANT
	LIGHT FIXTURE
	TRAFFIC SIGNAL POLE
	TRAFFIC LIGHT POLE VAULT
	UTILITY SUPPORT
	DOLLARD
	SIGN
	TRICE
	RESIDENTIAL MAILBOX
	PP SEAMAN
	WATER VALVE
	PLUG
	TEE FITTING

- NOTES:**
1. THE LOCATIONS OF UNDERGROUND AND OTHER NONVISIBLE UTILITIES SHOWN HEREON HAVE BEEN DETERMINED FROM DATA EITHER FURNISHED BY THE AGENCIES CONTROLLING SUCH DATA AND/OR EXTRACTED FROM RECORDS MADE AVAILABLE TO US BY THE AGENCIES CONTROLLING SUCH RECORDS. WHERE FOUND, THE SURFACE FEATURES OF LOCATIONS ARE SHOWN. THE ACTUAL NONVISIBLE LOCATIONS MAY VARY FROM THOSE SHOWN HEREON. EACH AGENCY SHOULD BE CONTACTED RELATIVE TO THE PRECISE LOCATION OF ITS UNDERGROUND INSTALLATION PRIOR TO ANY RELIANCE UPON THE ACCURACY OF SUCH LOCATIONS SHOWN HEREON, INCLUDING PRIOR TO EXCAVATION AND DIGGING.
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  5. CONTRACTOR TO VERIFY IN FIELD ELEVATION OF EXISTING WATER MAINS AT THE TIE-IN POINTS.

MINIMUM REQUIRED RESTRAIN JOINTS (FT)

	6" DIAM. S	8" DIAM. S	12" DIAM. S	16" DIAM. S
45° HDR BEND	7	8	12	15
45° VLR BLND	19	20	30	45
CROSS	5	5	5	5
DLA2 LND	45	39	63	107
VALVE	45	39	63	107
REDUCER 5X6		25		
REDUCER 12X8			47	
REDUCER 15X12				48

90% PLANS  
NOT FOR CONSTRUCTION



SHEET NUMBER 17 OF 29	
NO.	DATE
REVISION	DESCRIPTION
ENGINEERING CONSULTANT NAME ADDRESS SCALE DATE SHEET	
CITY OF NEW ORLEANS, DEPARTMENT OF PUBLIC WORKS PROJECT NO. 2013-FEMA-5BC/2G DESIRE AREA NEIGHBORHOOD 2500 BLOCK LOUISA ST PLAN AND PROFILE SHEET	



**LEGEND**

	BUILDING		TELEPHONE MANHOLE, TELE LINE		FIRE HYDRANT
	APPARENT RIGHT OF WAY		TRAFFIC MANHOLE, TRAFFIC LINE		LIGHT FIXTURES
	SERVICE		WATER MANHOLE, WATER LINE		TRAFFIC SIGNAL POLE
	CULVERT		UTILITY POLE / OVERHEAD LINES		TRAFFIC LIGHT POLE VAULT
	DROP INLET, DRAIN LINE		ELECTRIC, TELEPHONE, CABLE TV		CULVERT SUPPORT
	COMMUNICATIONS MANHOLE, LINE		FIBER OPTIC RISER / LINE		BALLAST
	DRAIN MANHOLE, DRAIN LINE		FENCE		MAN
	ELECTRICAL MANHOLE, ELEC. LINE		ROAD RISER / PEDESTAL		TIE
	GAS MANHOLE, GAS LINE		UTILITY CHAMBER		RESIDENTIAL MAILBOX
	SEWER MANHOLE, SEWER LINE		UTILITY METER		PP SIGNMAN
			UTILITY PEDESTAL		WATER VALVE
			UTILITY VALVE		PLUG
			UTILITY VALVE VAULT		TIE FITTING

**NOTES:**

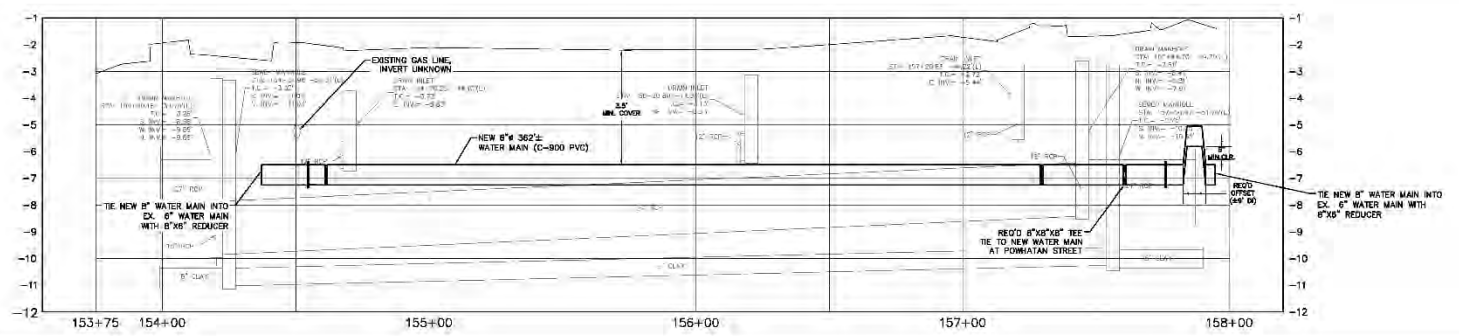
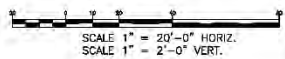
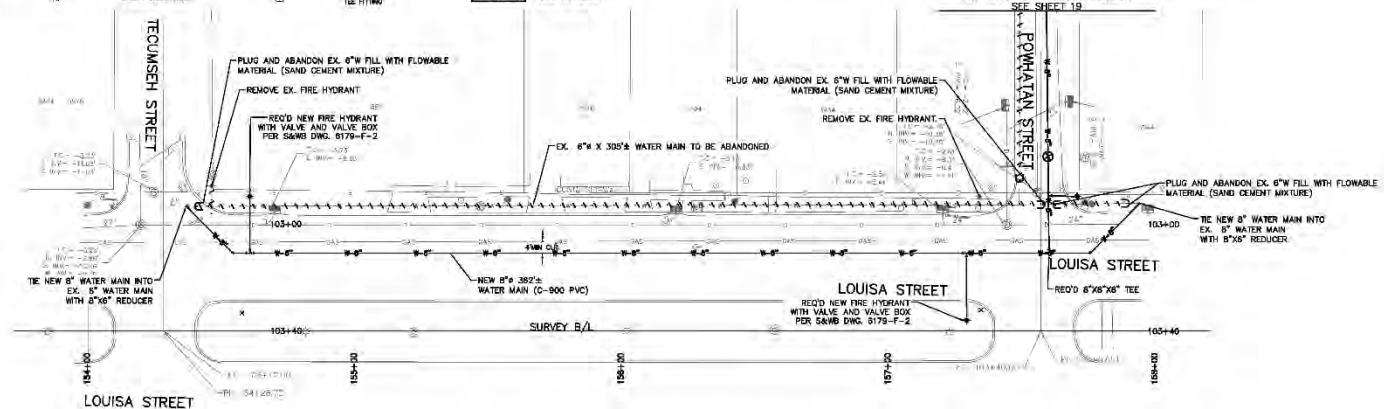
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4. ALL HOUSE CONNECTIONS TO BE RECONNECTED (INCLUDING VACANT LOTS).
5. CONTRACTOR TO VERIFY IN FIELD ELEVATION OF EXISTING WATER MAINS AT THE TIE-IN POINTS.

**MINIMUM REQUIRED RESTRAIN JOINTS (FT)**

	6" DIAM. 8'	8" DIAM. 8'	12" DIAM. 16'	18" DIAM.
45° +DR BEND.	7	8	12	15
40° V.B. UNLD.	19	20	30	45
CROSS	5	5	5	5
DLAD LND.	45	39	63	107
VALVE	45	39	63	107
REDUCER 8"x6"		25		
REDUCER 12"x8"			47	
REDUCER 15"x12"				48

**90% PLANS NOT FOR CONSTRUCTION**

FOR WORK ON POWHATAN STREET SEE SHEET 19



SHEET NUMBER		18 OF 29	
BY	REVISION	DATE	DESCRIPTION
ENGINEERING CONSULTANT NAME			
ADDRESS			
DESIGNED BY	SCALE	CHECKED BY	DATE
DRAWN BY	DATE	DATE	SHEET
PROJECT NO.	PROJECT NAME	PROJECT ADDRESS	PROJECT CITY
CITY OF NEW ORLEANS, DEPARTMENT OF PUBLIC WORKS			
PROJECT NO. 2013-FEMA-5BC/2G			
DESIRE AREA NEIGHBORHOOD			
3500 BLOCK LOUISA ST			
PLAN AND PROFILE SHEET			

S&WB PW NO. 20659 PROJECT NO. 2013-FEMA-5BC/2G DESIRE NEIGHBORHOOD

**LEGEND**

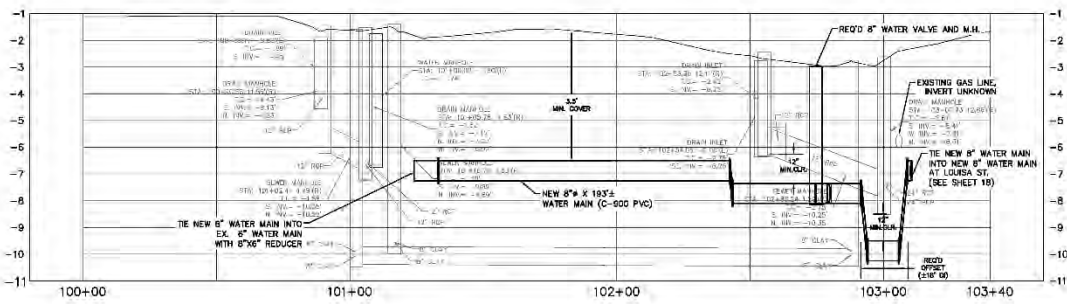
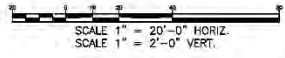
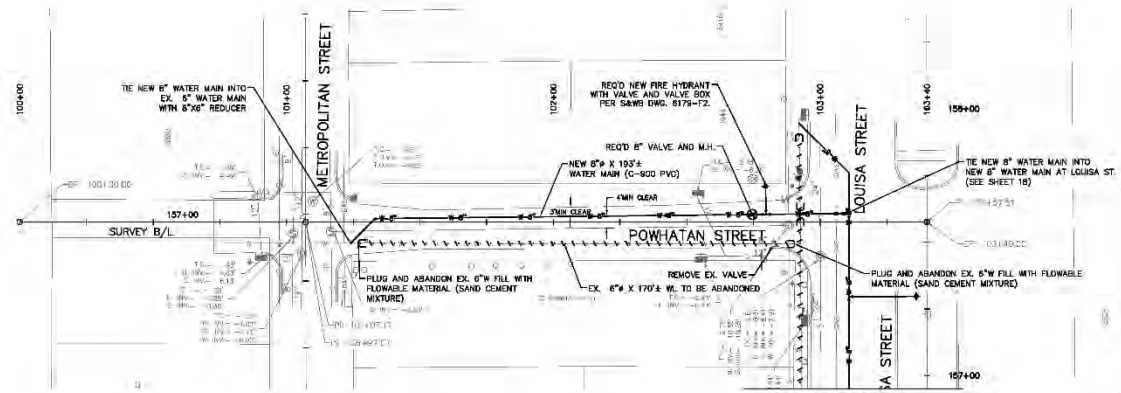
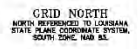
	BUILDING		TELEPHONE MANHOLE, TELE LINE		FIRE HYDRANT
	APPARENT RIGHT OF WAY		TRAFFIC MANHOLE, TRAFFIC LINE		LIGHT TRANSFORMER
	SERVICE		WATER MANHOLE, WATER LINE		TRAFFIC SIGNAL POLE
	CATCH BASIN		UTILITY POLE / OVERHEAD LINES		TRAFFIC LIGHT POWER VAULT
	CULVERT		ELECTRIC, TELEPHONE, CABLE TV		CULVERT SUPPORT
	DROP INLET, DRAIN LINE		FIBER OPTIC RISER / LINE		DOLLARD
	DROP INLET, DRAIN LINE		FENCE		MAN
	COMMUNICATIONS MANHOLE, LINE		ROAD RISER / PEDestal		TIE
	DRAIN MANHOLE, DRAIN LINE		UTILITY CLEANOUT		RESIDENTIAL MAILBOX
	ELECTRICAL MANHOLE, ELEC. LINE		UTILITY METER		PP SEAMAN
	GAS MANHOLE, GAS LINE		UTILITY PEDESTAL		WATER VALVE
	SEWER MANHOLE, SEWER LINE		UTILITY VALVE		PLUG
			UTILITY VALVE VAULT		TIE FITTING

- NOTES:**
1. THE LOCATIONS OF UNDERGROUND AND OTHER NONVISIBLE UTILITIES SHOWN HEREON HAVE BEEN DETERMINED FROM DATA EITHER FURNISHED BY THE AGENCIES CONTROLLING SUCH DATA AND/OR EXTRACTED FROM RECORDS MADE AVAILABLE TO US BY THE AGENCIES CONTROLLING SUCH RECORDS. WHERE FOUND, THE SURFACE FEATURES OF LOCATIONS ARE SHOWN. THE ACTUAL NONVISIBLE LOCATIONS MAY VARY FROM THOSE SHOWN HEREON. EACH AGENCY SHOULD BE CONTACTED RELATIVE TO THE PRECISE LOCATION OF ITS UNDERGROUND INSTALLATION PRIOR TO ANY RELIANCE UPON THE ACCURACY OF SUCH LOCATIONS SHOWN HEREON, INCLUDING PRIOR TO EXCAVATION AND DIGGING.
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  3. IMPROVEMENTS MAY NOT BE TO SCALE FOR CLARITY. THE DIMENSIONS SHOWN PREVAIL OVER SCALE.
  4. ALL HOUSE CONNECTIONS TO BE RECONNECTED (INCLUDING VACANT LOTS).
  5. CONTRACTOR TO VERIFY IN FIELD ELEVATION OF EXISTING WATER MAINS AT THE TIE-IN POINTS.

MINIMUM REQUIRED RESTRAIN JOINTS (FT)

	6" DIAM. S	8" DIAM. S	12" DIAM. S	16" DIAM. S
45° +DR BEND	7	8	12	15
40° V.B. UNLD.	19	20	30	45
CROSS	5	5	5	5
DLAD LND.	45	39	64	107
VAULT	45	39	54	107
REDUCER 6X6	25			
REDUCER 12X12		47		48

90% PLANS  
NOT FOR CONSTRUCTION



SHEET NUMBER		19 OF 29	
BY	NO.	DATE	REVISION DESCRIPTION
ENGINEERING CONSULTANT NAME ADDRESS SCALE SHEET NO. OF SHEET			
CITY OF NEW ORLEANS, DEPARTMENT OF PUBLIC WORKS PROJECT NO. 2013-FEMA-5BC/2G DESIRE AREA NEIGHBORHOOD 3800 BLOCK POWHATAN ST. PLAN AND PROFILE SHEET			

S&WB PW NO. 20659 PROJECT NO. 2013-FEMA-5BC/2G DESIRE NEIGHBORHOOD

**LEGEND**

	BUILDING		TELEPHONE MANHOLE, 12 1/2" LINE
	APPARENT RIGHT OF WAY		TRAFFIC MANHOLE, TRAFFIC LINE
	SEWERAGE		WATER MANHOLE, WATER LINE
	CATCH BASIN		UTILITY POLE / OVERHEAD LINES
	CULVERT		ELECTRIC, TELEPHONE, CABLE TV
	DROP INLET, DRAIN LINE		FIBER OPTIC RISER / LINE
	COMMUNICATIONS MANHOLE, LINE		FENCE
	DRAIN MANHOLE, DRAIN LINE		ROAD RISER / PEDESTAL
	ELECTRICAL MANHOLE, ELEC. LINE		UTILITY CLEANOUT
	GAS MANHOLE, GAS LINE		UTILITY METER
	SEWER MANHOLE, SEWER LINE		UTILITY PEDESTAL
			UTILITY VALVE
			UTILITY VALVE VAULT

**NOTES:**

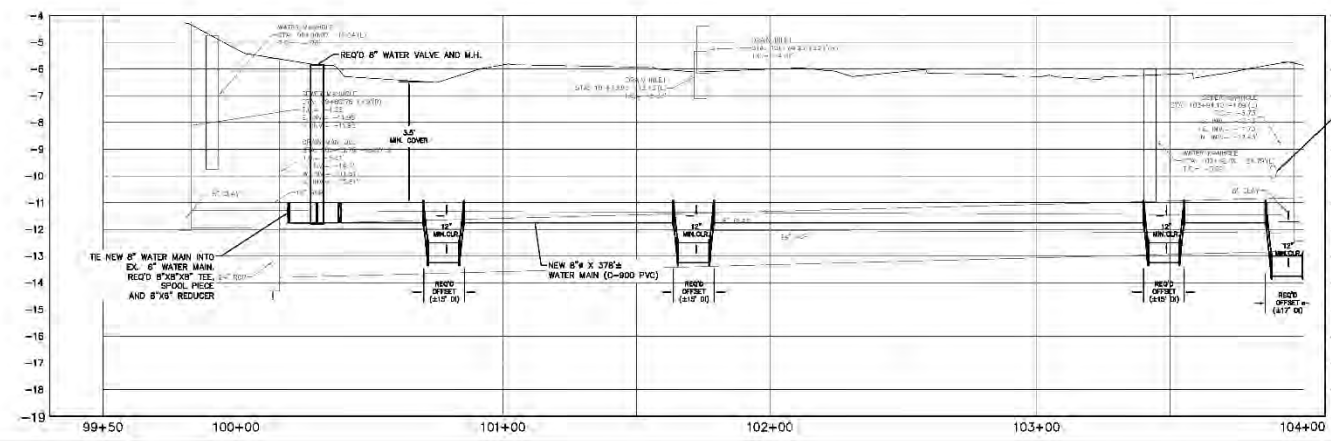
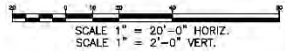
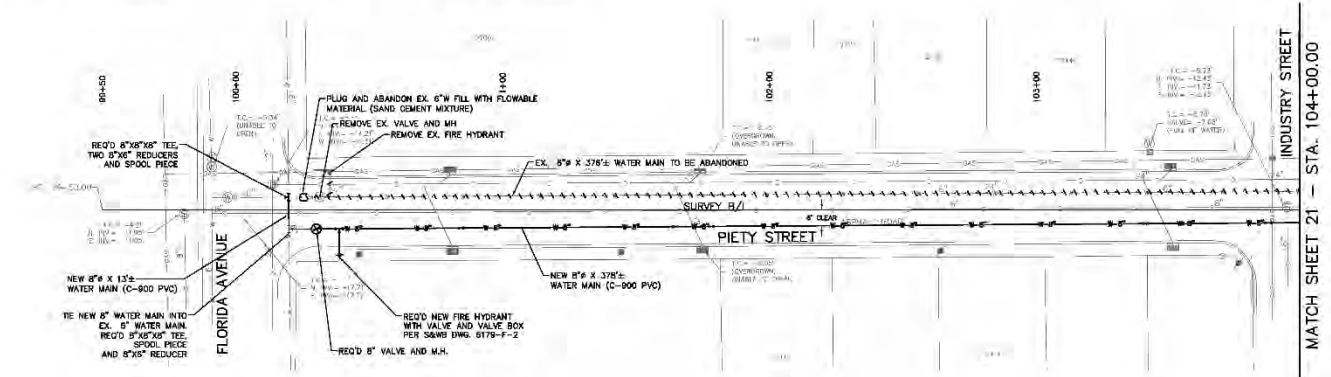
1. THE LOCATIONS OF UNDERGROUND AND OTHER NONVISIBLE UTILITIES SHOWN HEREON HAVE BEEN DETERMINED FROM DATA EITHER FURNISHED BY THE AGENCIES CONTROLLING SUCH DATA AND/OR EXTRACTED FROM RECORDS MADE AVAILABLE TO US BY THE AGENCIES CONTROLLING SUCH RECORDS. WHERE FOUND, THE SURFACE FEATURES OF LOCATIONS ARE SHOWN. THE ACTUAL NONVISIBLE LOCATIONS MAY VARY FROM THOSE SHOWN HEREON. EACH AGENCY SHOULD BE CONTACTED RELATIVE TO THE PRECISE LOCATION OF ITS UNDERGROUND INSTALLATION PRIOR TO ANY RELIANCE UPON THE ACCURACY OF SUCH LOCATIONS SHOWN HEREON, INCLUDING PRIOR TO EXCAVATION AND DIGGING.
2. SURVEY MADE IN ACCORD WITH REFERENCED PLANS. RIGHT-OF-WAY MAY NOT REFLECT AS-BUILT CONDITIONS OF INDIVIDUAL SQUARES.
3. DIMENSIONS MAY NOT BE TO SCALE FOR CLARITY. THE DIMENSIONS SHOWN PREVAIL OVER SCALE.
4. ALL HOUSE CONNECTIONS TO BE RECONNECTED (INCLUDING VACANT LOTS).
5. CONTRACTOR TO VERIFY IN FIELD ELEVATION OF EXISTING WATER MAINS AT THE TIE-IN POINTS.

	8" REIN. WATER MAIN
	ABANDON WATER MAIN
	DRAIN PIPE RISER

MINIMUM REQUIRED RESTRAIN JOINTS (FT)

	6" DIAM. 8"	8" DIAM. 12"	16" DIAM.
45° HDR BEND.	7	8	12
40° V.B. ELND.	19	20	30
CROSS	5	5	5
DIAG. LND.	40	39	60
VALVE	40	39	60
REDUCER 6" X	20	20	40
REDUCER 12" X	40	40	40

90% PLANS  
NOT FOR CONSTRUCTION



SHEET NUMBER 20 OF 29	
BY	REVISION DESCRIPTION
NO.	DATE
ENGINEERING CONSULTANT NAME ADDRESS CITY STATE ZIP PHONE NO. FAX NO. E-MAIL	
CITY OF NEW ORLEANS, DEPARTMENT OF PUBLIC WORKS PROJECT NO. 2013-FEMA-5BC/2G DESIRE AREA NEIGHBORHOOD 2700 BLOCK PIETY ST PLAN AND PROFILE SHEET	

S&WB PW NO. 20659 PROJECT NO. 2013-FEMA-5BC/2G DESIRE NEIGHBORHOOD

FILE NO. 12-C-27071

LEGEND	
	BUILDING
	APPARENT RIGHT OF WAY
	SIDEWALK
	CATCH BASIN
	CULVERT
	DROP INLET, DRAIN LINE
	COMMUNICATIONS MANHOLE, LINE
	DRAIN MANHOLE, DRAIN LINE
	ELECTRICAL MANHOLE, ELEC. LINE
	GAS MANHOLE, GAS LINE
	SEWER MANHOLE, SEWER LINE
	TELEPHONE MANHOLE, TELE. LINE
	TRAFFIC MANHOLE, TRAFFIC LINE
	WATER MANHOLE, WATER LINE
	UTILITY POLE / OVERHEAD LINES
	ELECTRIC, TELEPHONE, CABLE, TV
	FIBER OPTIC RISER / LINE
	FENCE
	TIE ROD RISER / PEDISTAL
	UTILITY CHAMBER
	UTILITY METER
	UTILITY PEDISTAL
	UTILITY VALVE
	UTILITY VALVE VAULT
	FIRE HYDRANT
	LIGHT RISER
	TRAFFIC SIGNAL POLE
	TRAFFIC LIGHT POWER VAULT
	CULVERT SUPPORT
	DOLLARD
	MAN
	TIE
	RESIDENTIAL MAILBOX
	PP STREAMER
	WATER VALVE
	PLUG
	TIE FITTING

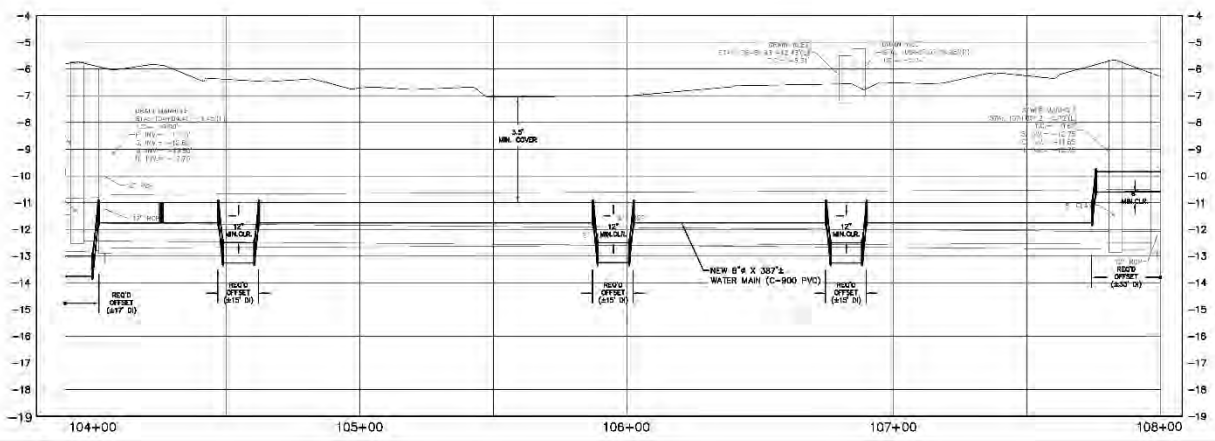
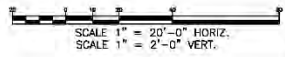
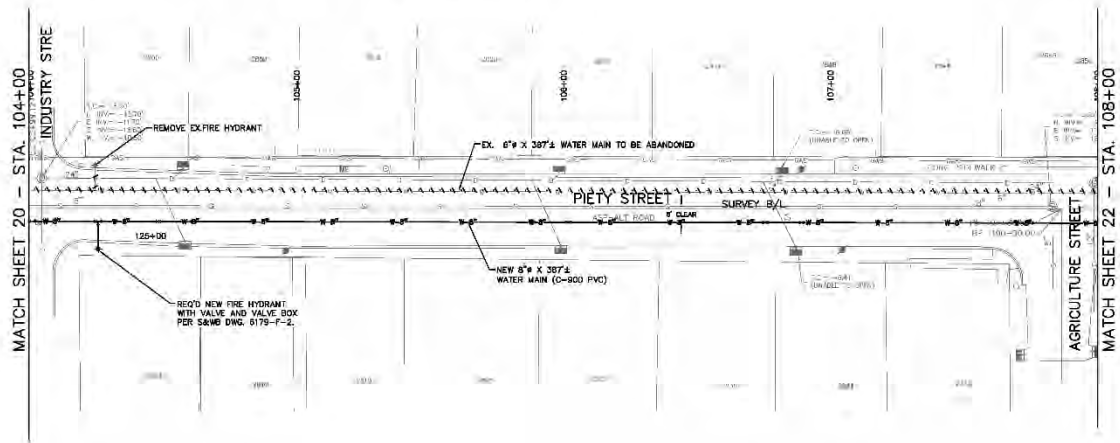
- NOTES:**
1. THE LOCATIONS OF UNDERGROUND AND OTHER NONVISIBLE UTILITIES SHOWN HEREON HAVE BEEN DETERMINED FROM DATA EITHER FURNISHED BY THE AGENCIES CONTROLLING SUCH DATA AND/OR EXTRACTED FROM RECORDS MADE AVAILABLE TO US BY THE AGENCIES CONTROLLING SUCH RECORDS. WHERE FOUND, THE SURFACE FEATURES OF LOCATIONS ARE SHOWN. THE ACTUAL NONVISIBLE LOCATIONS MAY VARY FROM THOSE SHOWN HEREON. EACH AGENCY SHOULD BE CONTACTED RELATIVE TO THE PRECISE LOCATION OF ITS UNDERGROUND INSTALLATION PRIOR TO ANY RELIANCE UPON THE ACCURACY OF SUCH LOCATIONS SHOWN HEREON, INCLUDING PRIOR TO EXCAVATION AND DIGGING.
  2. SURVEY MADE IN ACCORD WITH REFERENCED PLANS. RIGHT-OF-WAY MAY NOT REFLECT AS-BUILT CONDITIONS OF INDIVIDUAL SQUARES.
  3. IMPROVEMENTS MAY NOT BE TO SCALE FOR CLARITY. THE DIMENSIONS SHOWN PREVAIL OVER SCALE.
  4. ALL HOUSE CONNECTIONS TO BE RECONNECTED (INCLUDING VACANT LOTS).
  5. CONTRACTOR TO VERIFY IN FIELD ELEVATION OF EXISTING WATER MAINS AT THE TIE-IN POINTS.

MINIMUM REQUIRED RESTRAIN JOINTS (FT)

	6" DIAM. 8'	8" DIAM. 8'	12" DIAM. 16'	18" DIAM.
45° +DR BEND.	7	8	12	15
45° V.B. UNLD.	19	20	30	45
CROSS	5	5	5	5
DLAD LND.	45	39	63	107
VALVE	45	39	63	107
REDUCER 5X6		25		
REDUCER 12X8			47	
REDUCER 15X12				48



90% PLANS  
NOT FOR CONSTRUCTION



SHEET NUMBER 21 OF 29	
BY	
REVISION	
DESCRIPTION	
NO.	DATE
ENGINEERING CONSULTANT NAME ADDRESS SCALE DATE SHEET	
CITY OF NEW ORLEANS, DEPARTMENT OF PUBLIC WORKS PROJECT NO. 2013-FEMA-5BC/2G DESIRE AREA NEIGHBORHOOD 2900 BLOCK PIETY ST PLAN AND PROFILE SHEET	

FILE NO. 12-C-27071

S&WB PW NO. 20659 PROJECT NO. 2013-FEMA-5BC/2G DESIRE NEIGHBORHOOD

**LEGEND**

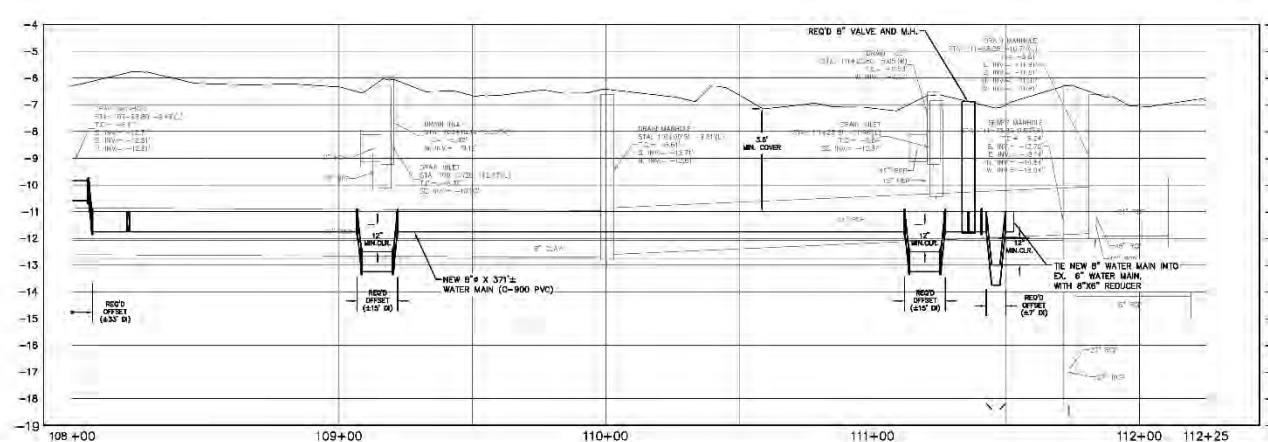
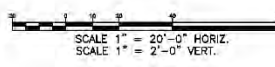
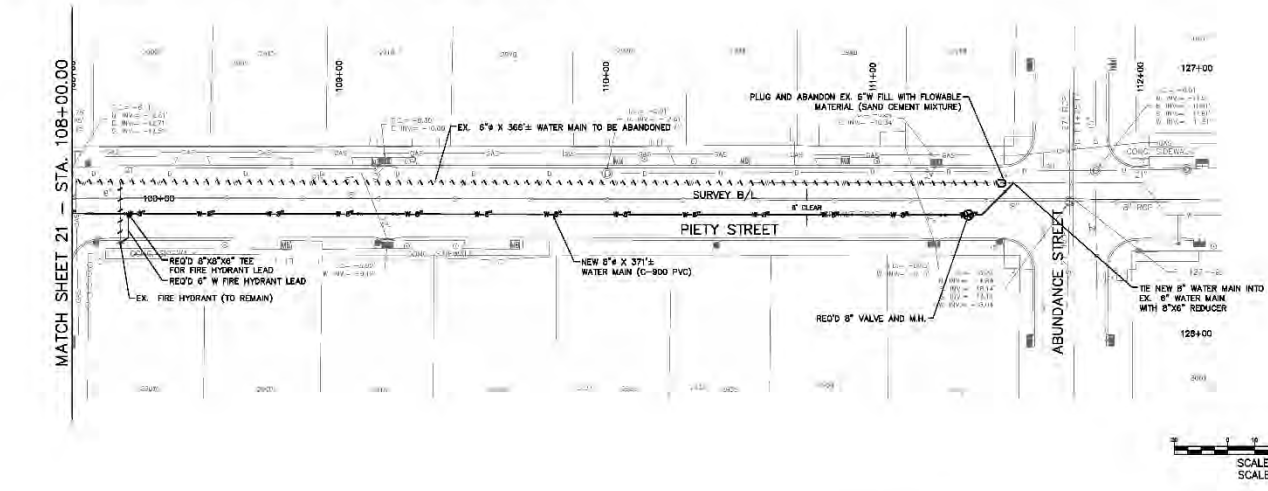
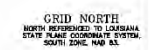
	BUILDING		TELEPHONE MANHOLE, TELE LINE		FIRE HYDRANT
	APPARENT RIGHT OF WAY		TRAFFIC MANHOLE, TRAFFIC LINE		LIGHT FIXTURES
	SERVICE		WATER MANHOLE, WATER LINE		TRAFFIC SIGNAL POLE
	CATCH BASIN		UTILITY POLE / OVERHEAD LINES		TRAFFIC LIGHT POLE VAULT
	DRAIN		ELECTRIC, TELEPHONE, CABLE TV		CANTORY SUPPORT
	DROP INLET, DRAIN LINE		FIBER OPTIC RISER / LINE		DOLLARD
	COMMUNICATIONS MANHOLE, LINE		FENCE		MAN
	DRAIN MANHOLE, DRAIN LINE		TIE ROD RISER / PEDestal		TIE
	ELECTRICAL MANHOLE, ELEC. LINE		UTILITY CLEANOUT		TIE FITTING
	GAS MANHOLE, GAS LINE		UTILITY METER		PP SEAMAN
	SEWER MANHOLE, SEWER LINE		UTILITY PEDESTAL		WATER VALVE
			UTILITY VALVE		PLUG
			UTILITY VALVE VAULT		RESIDENTIAL MAILBOX

- NOTES:**
1. THE LOCATIONS OF UNDERGROUND AND OTHER NONVISIBLE UTILITIES SHOWN HEREON HAVE BEEN DETERMINED FROM DATA EITHER FURNISHED BY THE AGENCIES CONTROLLING SUCH DATA AND/OR EXTRACTED FROM RECORDS MADE AVAILABLE TO US BY THE AGENCIES CONTROLLING SUCH RECORDS. WHERE FOUND, THE SURFACE FEATURES OF LOCATIONS ARE SHOWN. THE ACTUAL NONVISIBLE LOCATIONS MAY VARY FROM THOSE SHOWN HEREON. EACH AGENCY SHOULD BE CONTACTED RELATIVE TO THE PRECISE LOCATION OF ITS UNDERGROUND INSTALLATION PRIOR TO ANY RELIANCE UPON THE ACCURACY OF SUCH LOCATIONS SHOWN HEREON, INCLUDING PRIOR TO EXCAVATION AND DIGGING.
  2. SURVEY MADE IN ACCORD WITH REFERENCED PLANS. RIGHT-OF-WAY MAY NOT REFLECT AS-BUILT CONDITIONS OF INDIVIDUAL SQUARES.
  3. IMPROVEMENTS MAY NOT BE TO SCALE FOR CLARITY. THE DIMENSIONS SHOWN PREVAIL OVER SCALE.
  4. ALL HOUSE CONNECTIONS TO BE RECONNECTED (INCLUDING VACANT LOTS).
  5. CONTRACTOR TO VERIFY IN FIELD ELEVATION OF EXISTING WATER MAINS AT THE TIE-IN POINTS.

MINIMUM REQUIRED RESTRAIN JOINTS (FT)

	6" DIAM. 8'	8" DIAM. 8'	12" DIAM. 16'
45° +DR BEND.	7	8	15
40° V.B. UNLD.	19	20	45
CROSS	5	5	5
DLAD LND.	45	59	84
VALVE	45	59	84
REDUCER 6"X		25	
REDUCER 12"X		4'	
REDUCER 15"X12"			48

90% PLANS  
NOT FOR CONSTRUCTION



SHEET NUMBER 22 OF 29	
NO.	DATE
REVISION	DESCRIPTION
ENGINEERING CONSULTANT NAME	SCALE
ADDRESS	DATE
DESIGNED BY	CHECKED BY
DRAWN BY	DATE
PROJECT NO. 2013-FEMA-5BC/2G	PROJECT NAME
DESIRE AREA NEIGHBORHOOD	PROJECT LOCATION
2900 BLOCK PIETY ST	PLANNING AND PROFILE SHEET

S&WB PW NO. 20659 PROJECT NO. 2013-FEMA-5BC/2G DESIRE NEIGHBORHOOD

**LEGEND**

	BUILDING		TELEPHONE MANHOLE, TELE. LINE
	APPARENT RIGHT OF WAY		TRAFFIC MANHOLE, TRAFFIC LINE
	SERVICE		WATER MANHOLE, WATER LINE
	CATCH BASIN		UTILITY POLE / OVERHEAD LINES
	CULVERT		ELECTRIC, TELEPHONE, CABLE TV
	DROP INLET, DRAIN LINE		FIBER OPTIC RISER / LINE
	DROP INLET, DRAIN LINE		FENCE
	COMMUNICATIONS MANHOLE, LINE		TIE ROD RISER / PEDISTAL
	DRAIN MANHOLE, DRAIN LINE		UTILITY CLEANOUT
	ELECTRICAL MANHOLE, ELEC. LINE		UTILITY METER
	GAS MANHOLE, GAS LINE		UTILITY PEDISTAL
	SEWER MANHOLE, SEWER LINE		UTILITY VALVE
			UTILITY VALVE VAULT

	FIRE HYDRANT		LIGHT FIXTURES
	TRAFFIC SIGNAL POLE		TRAFFIC LIGHT POLE
	TRAFFIC LIGHT POLE VAULT		CULVERT SUPPORT
	DOLLARD		MAN
	TIE		TIE
	RESIDENTIAL MAILBOX		PP DRAIN
	WATER VALVE		PLUG
	PLUG		TIE FITTING

- NOTES:**
1. THE LOCATIONS OF UNDERGROUND AND OTHER NONVISIBLE UTILITIES SHOWN HEREON HAVE BEEN DETERMINED FROM DATA EITHER FURNISHED BY THE AGENCIES CONTROLLING SUCH DATA AND/OR EXTRACTED FROM RECORDS MADE AVAILABLE TO US BY THE AGENCIES CONTROLLING SUCH RECORDS. WHERE FOUND, THE SURFACE FEATURES OF LOCATIONS ARE SHOWN. THE ACTUAL NONVISIBLE LOCATIONS MAY VARY FROM THOSE SHOWN HEREON. EACH AGENCY SHOULD BE CONTACTED RELATIVE TO THE PRECISE LOCATION OF ITS UNDERGROUND INSTALLATION PRIOR TO ANY RELIANCE UPON THE ACCURACY OF SUCH LOCATIONS SHOWN HEREON, INCLUDING PRIOR TO EXCAVATION AND DIGGING.
  2. SURVEY MADE IN ACCORD WITH REFERENCED PLANS. RIGHT-OF-WAY MAY NOT REFLECT AS-BUILT CONDITIONS OF INDIVIDUAL SQUARES.
  3. IMPROVEMENTS MAY NOT BE TO SCALE FOR CLARITY. THE DIMENSIONS SHOWN PREVAIL OVER SCALE.
  4. ALL HOUSE CONNECTIONS TO BE RECONNECTED (INCLUDING VACANT LOTS)
  5. CONTRACTOR TO VERIFY IN FIELD ELEVATION OF EXISTING WATER MAINS AT THE TIE-IN POINTS.

**MINIMUM REQUIRED RESTRAIN JOINTS (FT)**

	6" DIAM. 8'	8" DIAM. 12'	16" DIAM.
45° HDR BEND.	7	8	15
40° V.B. ELND.	19	20	45
CROSS.	5	5	5
DLAD LND.	45	39	107
VAULT	45	59	107
REDUCER 6X6		25	
REDUCER 12X8		47	
REDUCER 15X12		48	



GRID NORTH  
 NORTH REFERENCED TO LOUISIANA  
 STATE PLANE COORDINATE SYSTEM,  
 SOUTH ZONE, NAD 83.

SHEET NUMBER  
 23 OF 29

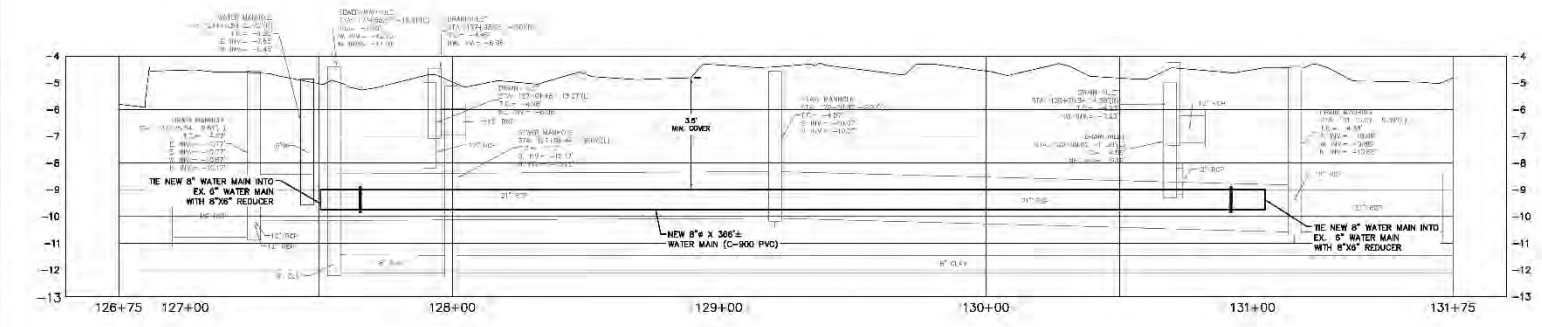
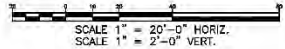
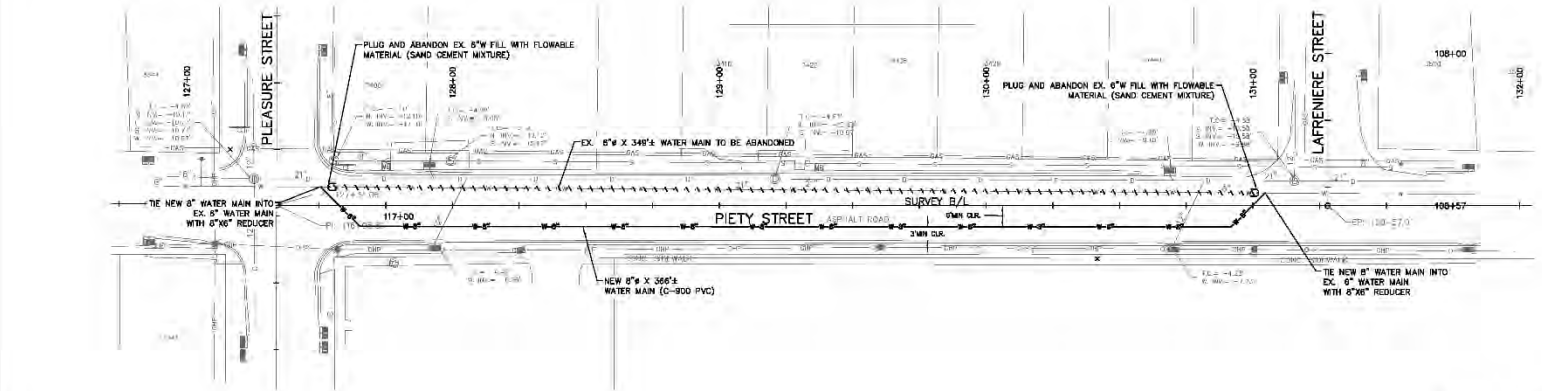
NO.	DATE	REVISION DESCRIPTION	BY



ENGINEERING CONSULTANT NAME	SCALE	DATE	SHEET
ADDRESS	AS SHOWN		



CITY OF NEW ORLEANS, DEPARTMENT OF PUBLIC WORKS  
 PROJECT NO. 2013-FEMA-5BC/2G  
 DESIRE AREA NEIGHBORHOOD  
 3400 BLOCK PIETY ST  
 PLAN AND PROFILE SHEET



LEGEND	
	BUILDING
	APPURTENANT RIGHT OF WAY
	SEWERAGE
	CATCH BASIN
	CULVERT
	DROP INLET, DRAIN LINE
	DROP INLET, DRAIN LINE
	COMMUNICATIONS MANHOLE, LINE
	DRAIN MANHOLE, DRAIN LINE
	ELECTRICAL MANHOLE, ELEC. LINE
	GAS MANHOLE, GAS LINE
	SEWER MANHOLE, SEWER LINE
	TELEPHONE MANHOLE, TELE. LINE
	TRAFFIC MANHOLE, TRAFFIC LINE
	WATER MANHOLE, WATER LINE
	UTILITY POLE / OVERHEAD LINES
	ELECTRIC, TELEPHONE, CABLE, TV
	FIBER OPTIC RISER / LINE
	FENCE
	TREAD RISER / PEDESTAL
	UTILITY CLEANOUT
	UTILITY METER
	UTILITY PEDESTAL
	UTILITY VALVE
	UTILITY VALVE VAULT
	FIRE HYDRANT
	LIGHT ENCLOSURE
	TRAFFIC SIGNAL POLE
	TRAFFIC LIGHT POWER VAULT
	CANOPY SUPPORT
	BOLLARD
	SIGN
	TREE
	RESIDENTIAL WALKWAY
	PP SEAMAN
	WATER VALVE
	PLUG
	TEE FITTING

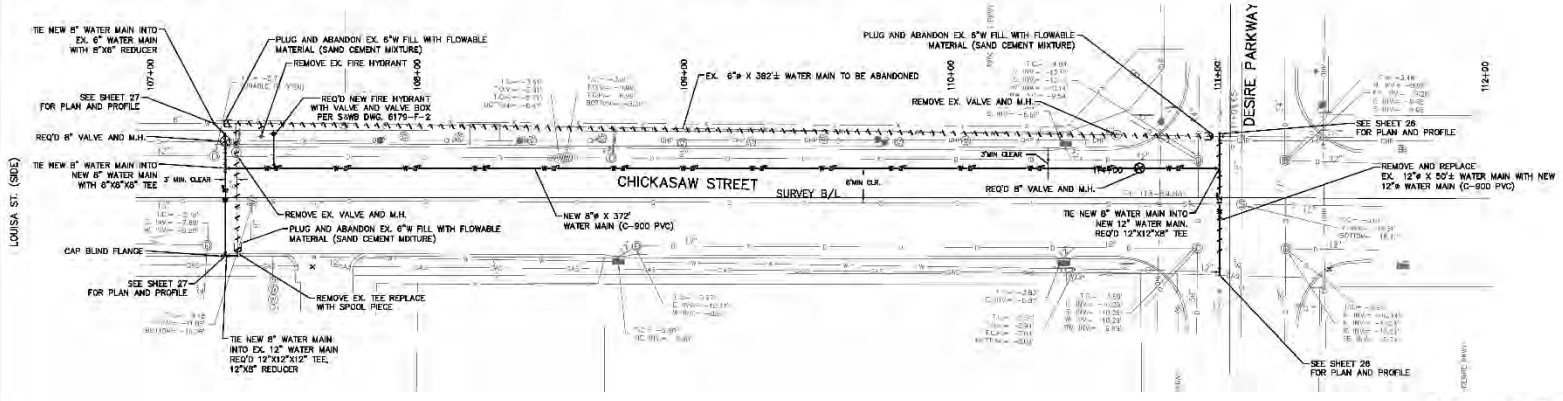
- NOTES:**
1. THE LOCATIONS OF UNDERGROUND AND OTHER NONVISIBLE UTILITIES SHOWN HEREON HAVE BEEN DETERMINED FROM DATA EITHER FURNISHED BY THE AGENCIES CONTROLLING SUCH DATA AND/OR EXTRACTED FROM RECORDS MADE AVAILABLE TO US BY THE AGENCIES CONTROLLING SUCH RECORDS. WHERE FOUND, THE SURFACE FEATURES OF LOCATIONS ARE SHOWN. THE ACTUAL NONVISIBLE LOCATIONS MAY VARY FROM THOSE SHOWN HEREON. EACH AGENCY SHOULD BE CONTACTED RELATIVE TO THE PRECISE LOCATION OF ITS UNDERGROUND INSTALLATION PRIOR TO ANY RELIANCE UPON THE ACCURACY OF SUCH LOCATIONS SHOWN HEREON, INCLUDING PRIOR TO EXCAVATION AND DIGGING.
  2. SURVEY MADE IN ACCORD WITH REFERENCED PLANS. RIGHT-OF-WAY MAY NOT REFLECT AS-BUILT CONDITIONS OF INDIVIDUAL SQUARES.
  3. IMPROVEMENTS MAY NOT BE TO SCALE FOR CLARITY. THE DIMENSIONS SHOWN PREVAIL OVER SCALE.
  4. ALL HOUSE CONNECTIONS TO BE RECONNECTED (INCLUDING VACANT LOTS)
  5. CONTRACTOR TO VERIFY IN FIELD ELEVATION OF EXISTING WATER MAINS AT THE TIE-IN POINTS.

MINIMUM REQUIRED RESTRAIN JOINTS (FT)

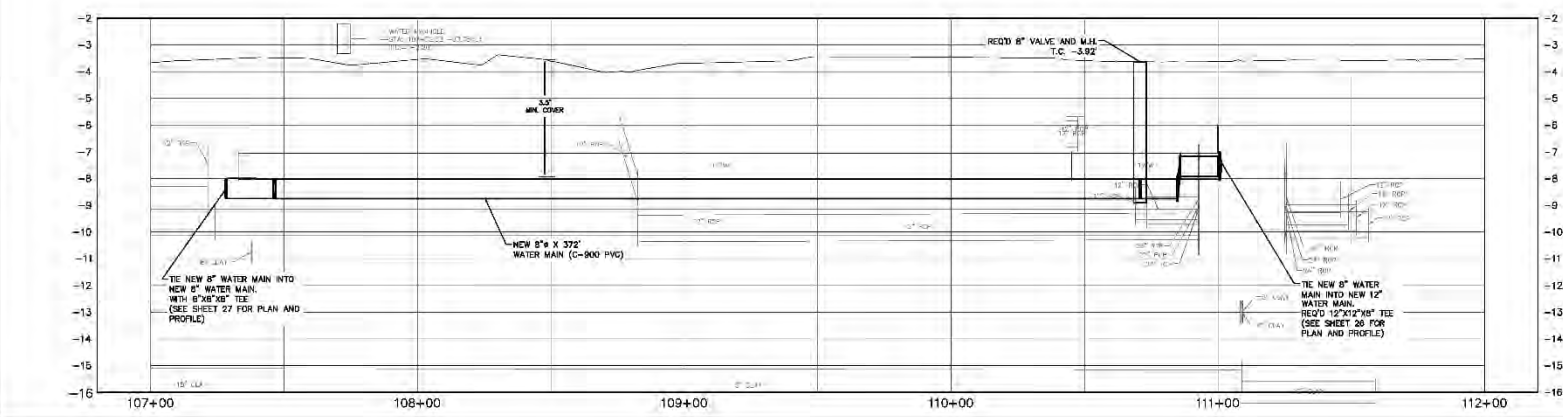
	6" DIAM. 8'	8" DIAM. 12'	16" DIAM.
45° HDR BEND.	7	8	15
40° V.B. UNLD.	19	20	45
CROSS	5	5	5
DIAG. LND.	45	39	64
VALVE	45	39	54
REDUCER 8X6		25	
REDUCER 12X8			47
REDUCER 15X12			48

GRID NORTH  
NORTH REFERENCED TO LOUISIANA  
STATE PLANE COORDINATE SYSTEM,  
SOUTH ZONE, NAD 83.

90% PLANS  
NOT FOR CONSTRUCTION



SCALE 1" = 20'-0" HORIZ.  
SCALE 1" = 2'-0" VERT.



SHEET NUMBER		24 OF 29	
BY			
REVISION DESCRIPTION			
NO.	DATE	NO.	DATE
ENGINEERING CONSULTANT NAME ADDRESS SCALE DATE SHEET			
CITY OF NEW ORLEANS, DEPARTMENT OF PUBLIC WORKS PROJECT NO. 2013-FEMA-5BC/2G DESIRE AREA NEIGHBORHOOD 3300 BLOCK CHICKASAW ST. & INTER. DESIRE AND CHICKASAW ST. PLAN AND PROFILE SHEET			

**LEGEND**

	BUILDING		TELEPHONE MANHOLE, TELE LINE
	AIRPORT RIGHT OF WAY		TRAFFIC MANHOLE, TRAFFIC LINE
	SEWERAGE		WATER MANHOLE, WATER LINE
	CATCH BASIN		UTILITY POLE / OVERHEAD LINES
	CULVERT		ELECTRIC, TELEPHONE, CABLE TV
	DROP INLET, DRAIN LINE		FIBER OPTIC RISER / LINE
	COMMUNICATIONS MANHOLE, LINE		FENCE
	DRAIN MANHOLE, DRAIN LINE		PEDESTAL / FOOTING
	ELECTRICAL MANHOLE, ELEC. LINE		UTILITY CLEANOUT
	GAS MANHOLE, GAS LINE		UTILITY METER
	SEWER MANHOLE, SEWER LINE		UTILITY PEDESTAL
			UTILITY VALVE
			UTILITY VALVE VAULT

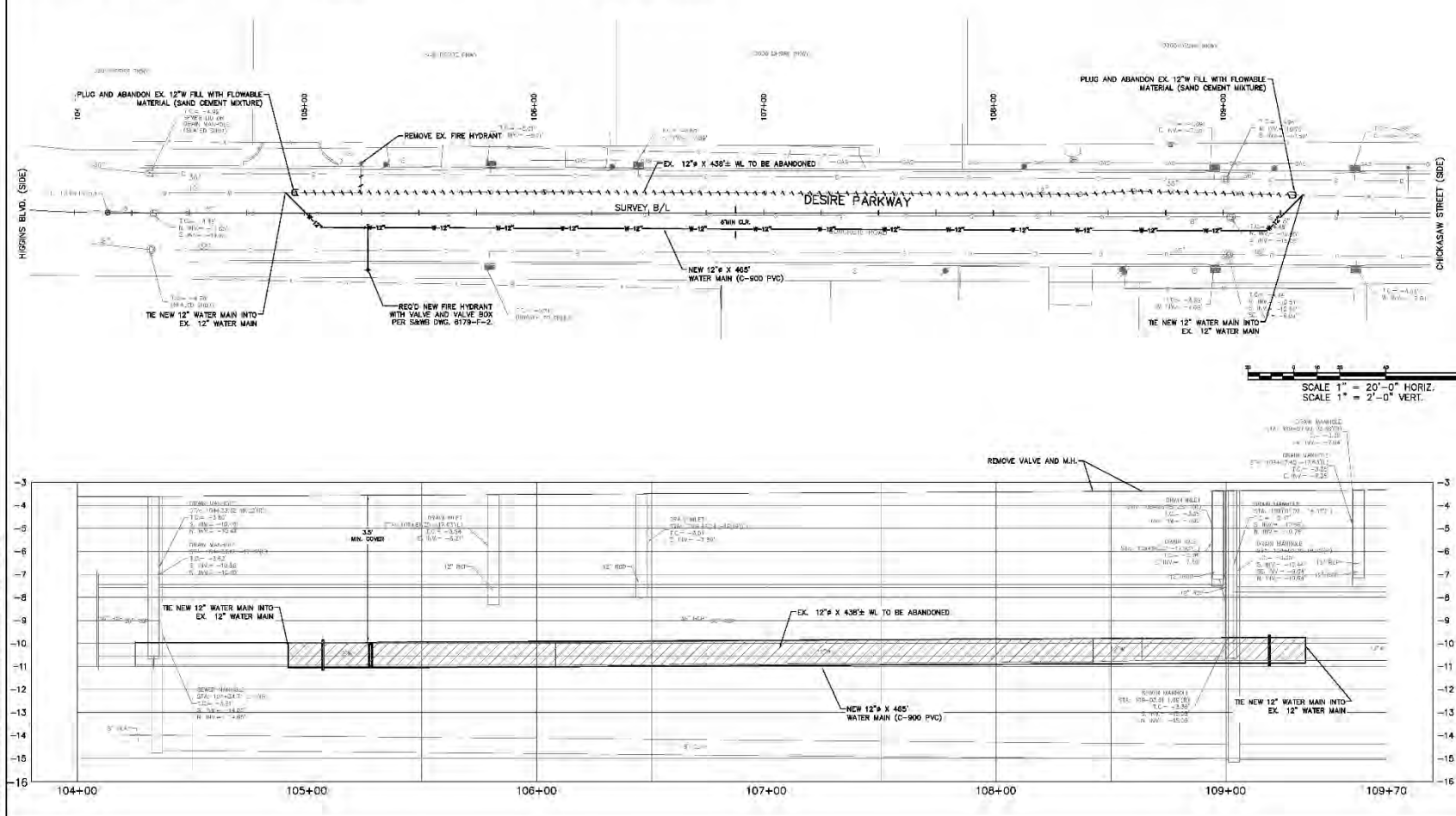
	FIRE HYDRANT		LIGHT FIXTURE
	TRAFFIC SIGNAL POLE		TRAFFIC LIGHT POWER VAULT
	UTILITY SUPPORT		DOLLARD
	SIGN		RESIDENTIAL MANHOLE
	TIE		PP SEAMAN
	PLUG		WATER VALVE
	TEE FITTING		ABANDON WATER MAIN
			DRAIN PIPE MANHOLE

- NOTES:**
1. THE LOCATIONS OF UNDERGROUND AND OTHER NONVISIBLE UTILITIES SHOWN HEREON HAVE BEEN DETERMINED FROM DATA EITHER FURNISHED BY THE AGENCIES CONTROLLING SUCH DATA AND/OR EXTRACTED FROM RECORDS MADE AVAILABLE TO US BY THE AGENCIES CONTROLLING SUCH RECORDS. WHERE FOUND, THE SURFACE FEATURES OF LOCATIONS ARE SHOWN. THE ACTUAL NONVISIBLE LOCATIONS MAY VARY FROM THOSE SHOWN HEREON. EACH AGENCY SHOULD BE CONTACTED RELATIVE TO THE PRECISE LOCATION OF ITS UNDERGROUND INSTALLATION PRIOR TO ANY RELIANCE UPON THE ACCURACY OF SUCH LOCATIONS SHOWN HEREON, INCLUDING PRIOR TO EXCAVATION AND DIGGING.
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  4. ALL HOUSE CONNECTIONS TO BE RECONNECTED (INCLUDING VACANT LOTS).
  5. CONTRACTOR TO VERIFY IN FIELD ELEVATION OF EXISTING WATER MAINS AT THE TIE-IN POINTS.

MINIMUM REQUIRED RESTRAIN JOINTS (FT)

	6" DIAM. S	8" DIAM. S	12" DIAM. S	16" DIAM. S
45° HDR BEND	7	8	12	15
45° VLR U/LND	19	20	35	45
CROSS	5	5	5	5
DLAD LND	45	59	83	107
VALVE	45	59	83	107
REDUCER 8" X 6"	25	25	25	25
REDUCER 12" X 8"	47	47	47	47

90% PLANS  
NOT FOR CONSTRUCTION



SCALE 1" = 20'-0" HORIZ.  
SCALE 1" = 2'-0" VERT.

SHEET NUMBER 25 OF 29	
NO.	DATE
REVISION	DESCRIPTION
ENGINEERING CONSULTANT NAME ADDRESS	
DESIGNED BY	CHECKED BY
DRAWN BY	DATE
SCALE	SHEET
CITY OF NEW ORLEANS, DEPARTMENT OF PUBLIC WORKS PROJECT NO. 2013-FEMA-5BC/2G DESIRE AREA NEIGHBORHOOD 3600 BLOCK DESIRE PKWY. PLAN AND PROFILE SHEET	



**LEGEND**

	BUILDING		TELEPHONE MANHOLE, TELE LINE
	APPARENT RIGHT OF WAY		TRAFFIC MANHOLE, TRAFFIC LINE
	SEWER PIPE		WATER MANHOLE, WATER LINE
	CATCH BASIN		UTILITY POLE / OVERHEAD LINES
	CULVERT		ELECTRIC, TELEPHONE, CABLE, TV
	DROP INLET, DRAIN LINE		FIBER OPTIC RISER / LINE
	DROP INLET, DRAIN LINE		FENCE
	COMMUNICATIONS MANHOLE, LINE		TYE ROD RISER / PIEDestal
	DRAIN MANHOLE, DRAIN LINE		UTILITY CLEANOUT
	ELECTRICAL MANHOLE, ELECTRICAL LINE		UTILITY METER
	GAS MANHOLE, GAS LINE		UTILITY PEDESTAL
	SEWER MANHOLE, SEWER LINE		UTILITY VALVE
			UTILITY VALVE VAULT

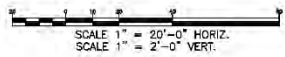
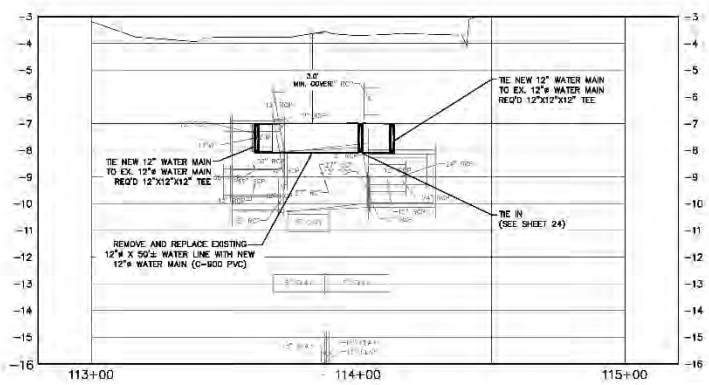
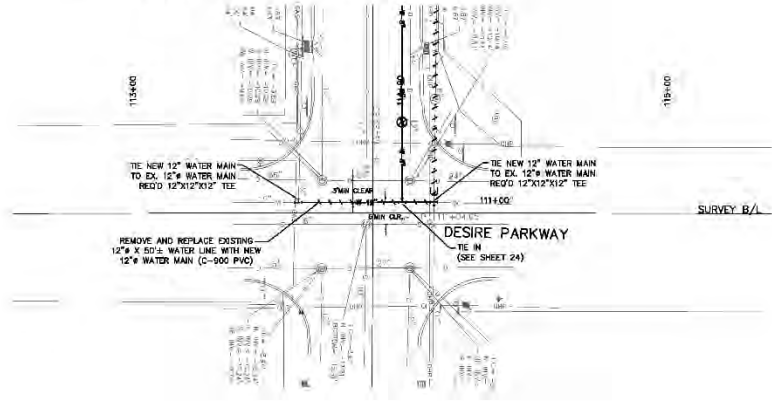
- NOTES:**
1. THE LOCATIONS OF UNDERGROUND AND OTHER NONVISIBLE UTILITIES SHOWN HEREON HAVE BEEN DETERMINED FROM DATA EITHER FURNISHED BY THE AGENCIES CONTROLLING SUCH DATA AND/OR EXTRACTED FROM RECORDS MADE AVAILABLE TO US BY THE AGENCIES CONTROLLING SUCH RECORDS. WHERE FOUND, THE SURFACE FEATURES OF LOCATIONS ARE SHOWN. THE ACTUAL NONVISIBLE LOCATIONS MAY VARY FROM THOSE SHOWN HEREON. EACH AGENCY SHOULD BE CONTACTED RELATIVE TO THE PRECISE LOCATION OF ITS UNDERGROUND INSTALLATION PRIOR TO ANY RELIANCE UPON THE ACCURACY OF SUCH LOCATIONS SHOWN HEREON, INCLUDING PRIOR TO EXCAVATION AND DIGGING.
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  4. ALL HOUSE CONNECTIONS TO BE RECONNECTED (INCLUDING VACANT LOTS)
  5. CONTRACTOR TO VERIFY IN FIELD ELEVATION OF EXISTING WATER MAINS AT THE TIE-IN POINTS.

MINIMUM REQUIRED RESTRAIN JOINTS (FT)

	6" DIAM.	8" DIAM.	10" DIAM.	12" DIAM.	16" DIAM.
45° HDR BEND.	7	8	12	15	
45° U.B. BEND.	19	25	35	45	
CROSS	5	5	5	5	
DEAD END	45	59	83	107	
VALVE	45	59	83	107	
REDUCER 8X6		25			
REDUCER 12X8			47		
REDUCER 18X12				48	

GRID NORTH  
 HEREIN REFERENCED TO LOUISIANA  
 STATE PLANE COORDINATE SYSTEM,  
 SOUTH ZONE, NAD 83.

90% PLANS  
 NOT FOR CONSTRUCTION



SHEET NUMBER 26 OF 29	
NO.	DATE
REVISION	DESCRIPTION
ENGINEERING CONSULTANT NAME ADDRESS	SCALE DATE
DESIGNED BY CHECKED BY DATE	SHEET
CITY OF NEW ORLEANS, DEPARTMENT OF PUBLIC WORKS PROJECT NO. 2013-FEMA-5BC/2G DESIRE AREA NEIGHBORHOOD INTERSECTION DESIRE AND CHICKASAW ST. PLAN AND PROFILE SHEET	

S&WB PW NO. 20659 PROJECT NO. 2013-FEMA-5BC/2G DESIRE NEIGHBORHOOD

**LEGEND**

	BUILDING		TELEPHONE MANHOLE, TELE LINE
	APPARENT RIGHT OF WAY		TRAFFIC SIGNAL POLE
	SIDEWALK		TRAFFIC LIGHT POWER VAULT
	CATCH BASIN		CANOPY SUPPORT
	CULVERT		POLE
	DROP INLET, DRAIN LINE		TELLO RISER / PEDESTAL
	DROP INLET, DRAIN LINE		UTILITY CLEANOUT
	COMMUNICATIONS MANHOLE, LINE		UTILITY METER
	ELECTRICAL MANHOLE, ELEC. LINE		UTILITY PEDESTAL
	GAS MANHOLE, GAS LINE		UTILITY VALVE
	SEWER MANHOLE, SEWER LINE		UTILITY VALVE VAULT

	FIRE HYDRANT
	UTILITY ENCLOSURE
	TRAFFIC SIGNAL POLE
	TRAFFIC LIGHT POWER VAULT
	CANOPY SUPPORT
	POLE
	TELLO RISER / PEDESTAL
	UTILITY CLEANOUT
	UTILITY METER
	UTILITY PEDESTAL
	UTILITY VALVE
	UTILITY VALVE VAULT

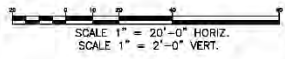
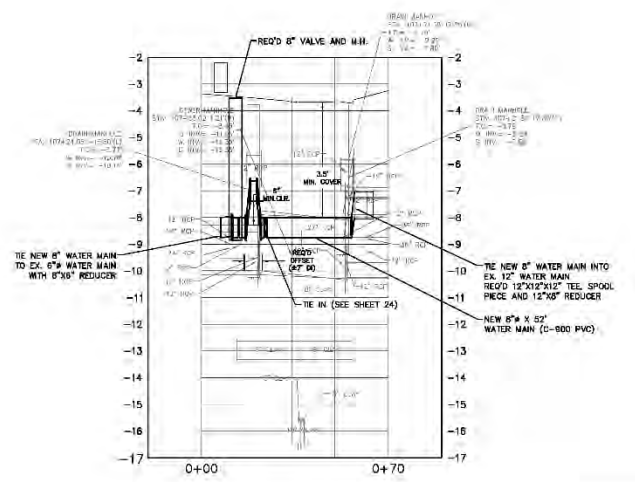
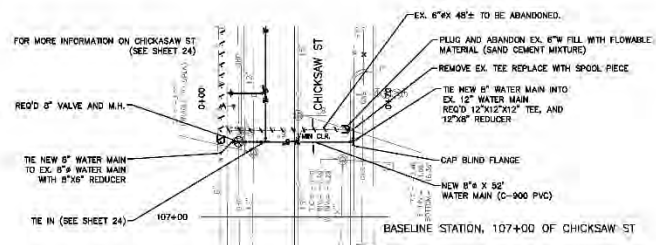
- NOTES:**
1. THE LOCATIONS OF UNDERGROUND AND OTHER NONVISIBLE UTILITIES SHOWN HEREON HAVE BEEN DETERMINED FROM DATA EITHER FURNISHED BY THE AGENCIES CONTROLLING SUCH DATA AND/OR EXTRACTED FROM RECORDS MADE AVAILABLE TO US BY THE AGENCIES CONTROLLING SUCH RECORDS. WHERE FOUND, THE SURFACE FEATURES OF LOCATIONS ARE SHOWN. THE ACTUAL NONVISIBLE LOCATIONS MAY VARY FROM THOSE SHOWN HEREON. EACH AGENCY SHOULD BE CONTACTED RELATIVE TO THE PRECISE LOCATION OF ITS UNDERGROUND INSTALLATION PRIOR TO ANY RELIANCE UPON THE ACCURACY OF SUCH LOCATIONS SHOWN HEREON, INCLUDING PRIOR TO EXCAVATION AND DIGGING.
  2. SURVEY MADE IN ACCORD WITH REFERENCED PLANS. RIGHT-OF-WAY MAY NOT REFLECT AS-BUILT CONDITIONS OF INDIVIDUAL SQUARES.
  3. IMPROVEMENTS MAY NOT BE TO SCALE FOR CLARITY. THE DIMENSIONS SHOWN PREVAIL OVER SCALE.
  4. ALL HOUSE CONNECTIONS TO BE RECONNECTED (INCLUDING VACANT LOTS).
  5. CONTRACTOR TO VERIFY IN FIELD ELEVATION OF EXISTING WATER MAINS AT THE TIE-IN POINTS.

MINIMUM REQUIRED RESTRAIN JOINTS (FT)

	6" DIAM.	8" DIAM.	12" DIAM.	16" DIAM.
45° HDR. BEND.	7	8	12	15
45° U.B. BEND.	19	25	55	45
CROSS	5	5	5	5
DEAG. END.	45	59	83	107
VALVE	45	59	83	107
REDUCER 8"X8"		25		
REDUCER 12"X8"			47	
REDUCER 18"X12"				48

90% PLANS  
NOT FOR CONSTRUCTION

GRID NORTH  
HEREIN REFERENCED TO LOUISIANA  
STATE PLANE COORDINATE SYSTEM,  
SOUTH ZONE, NAD 83.



SHEET NUMBER 27 OF 29	
NO.	DATE
REVISION	DESCRIPTION
ENGINEERING CONSULTANT NAME ADDRESS	SCALE
DESIGNED BY CHECKED BY	DATE
CITY OF NEW ORLEANS, DEPARTMENT OF PUBLIC WORKS PROJECT NO. 2013-FEMA-5BC/2G DESIRE AREA NEIGHBORHOOD 3300 CHICKASAW ST. (SECTION AT STATION 107+00)	
PLAN AND PROFILE SHEET	

S&WB PW NO. 20659 PROJECT NO. 2013-FEMA-5BC/2G DESIRE NEIGHBORHOOD

**LEGEND**

	BUILDING		TELEPHONE MANHOLE, TELE LINE		FIRE HYDRANT
	APPARENT RIGHT OF WAY		TRAFFIC MANHOLE, TRAFFIC LINE		LIGHT FIXTURES
	SERVICE		WATER MANHOLE, WATER LINE		TRAFFIC SIGNAL POLE
	CATCH BASIN		UTILITY POLE / OVERHEAD LINES		TRAFFIC LIGHT POWER VAULT
	CULVERT		ELECTRIC, TELEPHONE, CABLE TV		CANTORY SUPPORT
	DROP INLET, DRAIN LINE		FIBER OPTIC RISER / LINE		DOLLARD
	DROP INLET, DRAIN LINE		FENCE		JMN
	COMMUNICATIONS MANHOLE, LINE		TIE-IN RISER / PEDISTAL		TIE
	DRAIN MANHOLE, DRAIN LINE		UTILITY CLEANOUT		TIE FITTING
	ELECTRICAL MANHOLE, ELEC. LINE		UTILITY METER		
	GAS MANHOLE, GAS LINE		UTILITY PEDISTAL		
	SEWER MANHOLE, SEWER LINE		UTILITY VALVE		
			UTILITY VALVE VAULT		

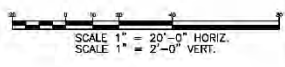
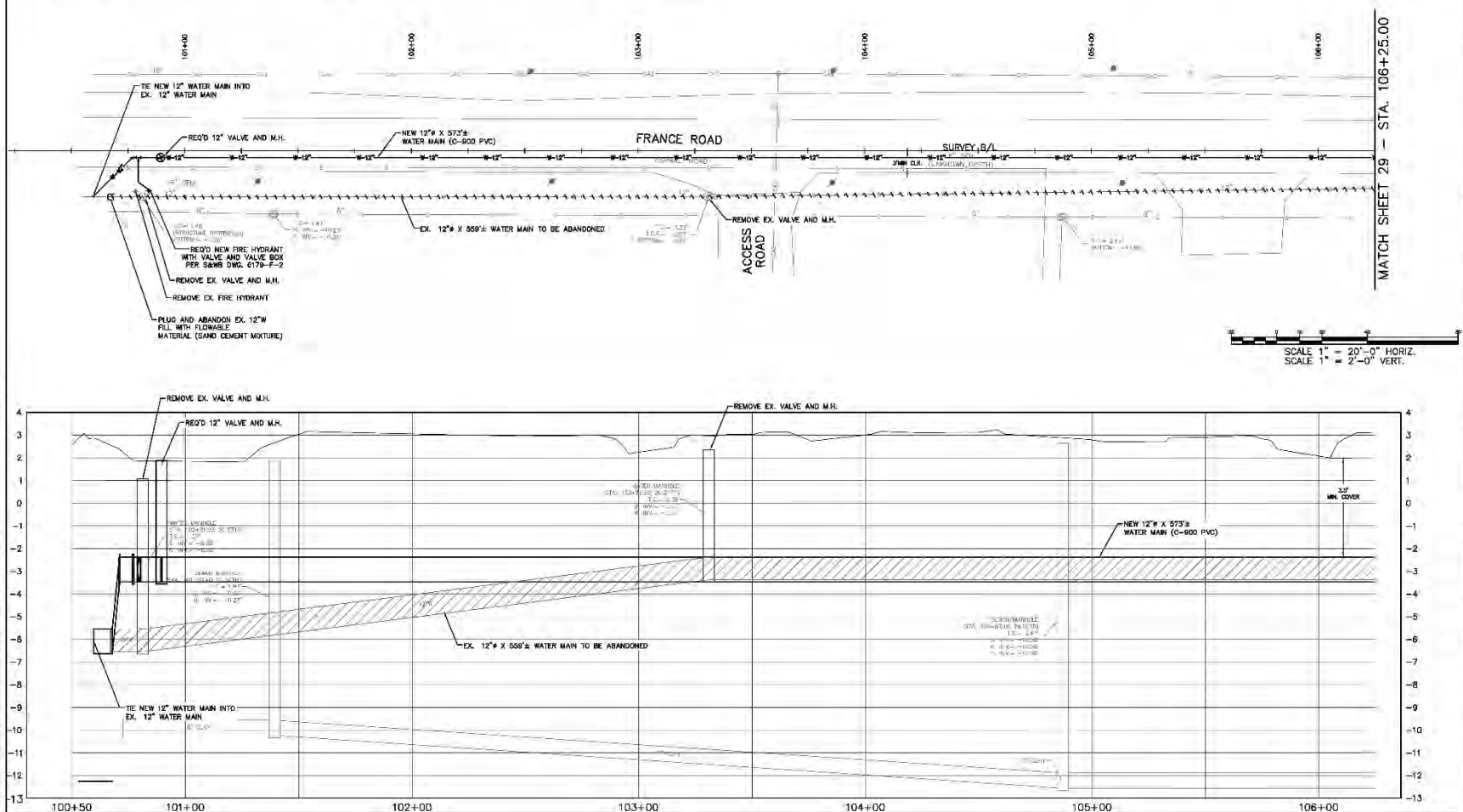
- NOTES:**
1. THE LOCATIONS OF UNDERGROUND AND OTHER NONVISIBLE UTILITIES SHOWN HEREON HAVE BEEN DETERMINED FROM DATA EITHER FURNISHED BY THE AGENCIES CONTROLLING SUCH DATA AND/OR EXTRACTED FROM RECORDS MADE AVAILABLE TO US BY THE AGENCIES CONTROLLING SUCH RECORDS. WHERE FOUND, THE SURFACE FEATURES OF LOCATIONS ARE SHOWN. THE ACTUAL NONVISIBLE LOCATIONS MAY VARY FROM THOSE SHOWN HEREON. EACH AGENCY SHOULD BE CONTACTED RELATIVE TO THE PRECISE LOCATION OF ITS UNDERGROUND INSTALLATION PRIOR TO ANY RELIANCE UPON THE ACCURACY OF SUCH LOCATIONS SHOWN HEREON, INCLUDING PRIOR TO EXCAVATION AND DIGGING.
  2. SURVEY MADE IN ACCORD WITH REFERENCED PLANS. RIGHT-OF-WAY MAY NOT REFLECT AS-BUILT CONDITIONS OF INDIVIDUAL SQUARES.
  3. IMPROVEMENTS MAY NOT BE TO SCALE FOR CLARITY. THE DIMENSIONS SHOWN PREVAIL OVER SCALE.
  4. ALL HOUSE CONNECTIONS TO BE RECONNECTED (INCLUDING VACANT LOTS).
  5. CONTRACTOR TO VERIFY IN FIELD ELEVATION OF EXISTING WATER MAINS AT THE TIE-IN POINTS.

MINIMUM REQUIRED RESTRAIN JOINTS (FT)

	6" DIAM. S	8" DIAM. S	12" DIAM. S	16" DIAM. S
45° +DR BEND.	7	8	12	15
40° V.B. UNLD.	19	20	30	45
CROSS	5	5	5	5
DLAD LND.	45	39	24	10.7
VAULT	45	39	24	10.7
REDUCER 5X6		25		
REDUCER 12X8			4'	
REDUCER 15X12				48



90% PLANS  
NOT FOR CONSTRUCTION



MATCH SHEET 29 - STA. 106+25.00

SHEET NUMBER 28 OF 29	
BY	
REVISION	DESCRIPTION
NO.	DATE
ENGINEERING CONSULTANT NAME	ADDRESS
SCALE	DATE SHEET
DESIGNED BY	CHECKED BY
DRAWN BY	DATE
CITY OF NEW ORLEANS, DEPARTMENT OF PUBLIC WORKS PROJECT NO. 2013-FEMA-5BC/2G DESIRE AREA NEIGHBORHOOD 3800 BLOCK FRANCE RD (1 OF 2)	
PLAN AND PROFILE SHEET	

**LEGEND**

	BUILDING		ELECTRIC MANHOLE, 12" LINE		FIRE HYDRANT
	APPARENT RIGHT OF WAY		TRAFFIC MANHOLE, TRAFFIC LINE		LIGHT POLE
	SIDEWALK		WATER MANHOLE, WATER LINE		TRAFFIC SIGNAL POLE
	CATCH BASIN		UTILITY POLE / OVERHEAD LINES		TRAFFIC LIGHT POWER VAULT
	CULVERT		ELECTRIC, TELEPHONE, CABLE TV		DUGOUT SUPPORT
	DROP INLET, DRAIN LINE		FIBER OPTIC RISER / LINE		BOLLARD
	DROP INLET, DRAIN LINE		FENCE		SIGN
	COMMUNICATIONS MANHOLE, LINE		ROAD RISER / PEDESTAL		TREE
	DRAIN MANHOLE, DRAIN LINE		UTILITY CLEANOUT		RESIDENTIAL MAILBOX
	ELECTRICAL MANHOLE, ELEC. LINE		UTILITY METER		PP SEAMAN
	GAS MANHOLE, GAS LINE		UTILITY PEDESTAL		WATER VALVE
	SEWER MANHOLE, SEWER LINE		UTILITY VALVE		PLUG
			UTILITY VALVE VAULT		TEE FITTING

- NOTES:**
1. THE LOCATIONS OF UNDERGROUND AND OTHER NONVISIBLE UTILITIES SHOWN HEREON HAVE BEEN DETERMINED FROM DATA EITHER FURNISHED BY THE AGENCIES CONTROLLING SUCH DATA AND/OR EXTRACTED FROM RECORDS MADE AVAILABLE TO US BY THE AGENCIES CONTROLLING SUCH RECORDS. WHERE FOUND, THE SURFACE FEATURES OF LOCATIONS ARE SHOWN. THE ACTUAL NONVISIBLE LOCATIONS MAY VARY FROM THOSE SHOWN HEREON. EACH AGENCY SHOULD BE CONTACTED RELATIVE TO THE PRECISE LOCATION OF ITS UNDERGROUND INSTALLATION PRIOR TO ANY RELIANCE UPON THE ACCURACY OF SUCH LOCATIONS SHOWN HEREON, INCLUDING PRIOR TO EXCAVATION AND DIGGING.
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  3. IMPROVEMENTS MAY NOT BE TO SCALE FOR CLARITY. THE DIMENSIONS SHOWN PREVAIL OVER SCALE.
  4. ALL HOUSE CONNECTIONS TO BE RECONNECTED (INCLUDING VACANT LOTS)
  5. CONTRACTOR TO VERIFY IN FIELD ELEVATION OF EXISTING WATER MAINS AT THE TIE-IN POINTS.

MINIMUM REQUIRED RESTRAIN JOINTS (FT)

	6" DIAM. S	8" DIAM. S	12" DIAM. TR	18" DIAM.
45° HDR BEND	7	8	12	15
40° V.B. BLND.	19	20	30	45
CROSS	5	5	5	5
DLAD LND.	45	39	63	107
VALVE	45	59	53	107
REDUCER 51X	25			
REDUCER 12X8		47		
REDUCER 15X12			48	



SHEET NUMBER  
28 OF 29

NO.	DATE	REVISION DESCRIPTION

**GIS**

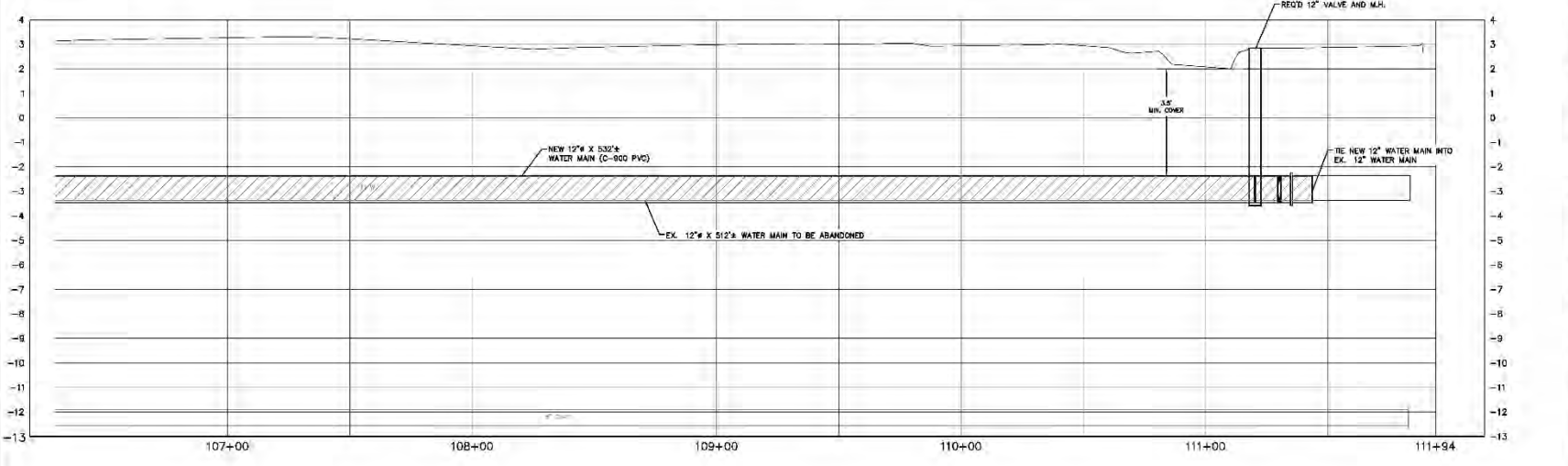
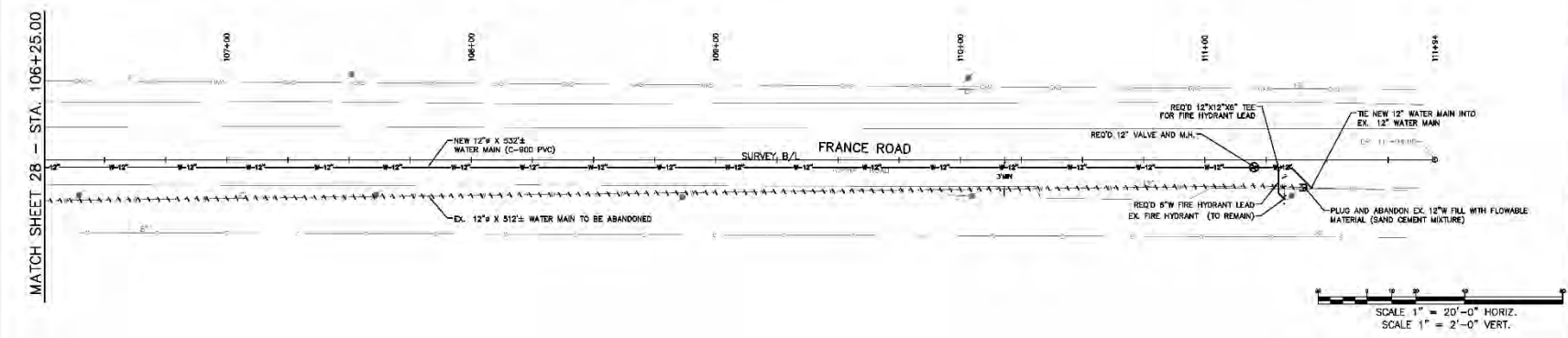
ENGINEERING CONSULTANT NAME  
ADDRESS  
SCALE  
DATE SHEET

DESIGNED BY  
CHECKED BY  
DATE SHEET



CITY OF NEW ORLEANS, DEPARTMENT OF PUBLIC WORKS  
PROJECT NO. 2013-FEMA-5BC/2G  
DESIRE AREA NEIGHBORHOOD  
3800 BLOCK FRANCE RD (2 OF 2)

PLAN AND PROFILE SHEET



## **Appendix B**

### **Agency Correspondence**

**From:** Rohrer, Laurel  
**To:** ["Lennox.Ursula@epa.gov"](mailto:Lennox.Ursula@epa.gov); ["Linda \(Brown\) Hardy"](#)  
**Cc:** [Holmes, Leschina](#); [Woods, Denoia](#); [Anchors, Rusty \(CTR\)](#)  
**Subject:** SOV Request for AI 2607 Desire Area Group A (Project ID: RR026 Project Number FEMA 2013-FEMA-5BC) Road Network Repairs/Reconstruction  
**Date:** Tuesday, January 31, 2017 12:02:00 PM  
**Attachments:** [SOV Memo - AI 2607 RR3 Desire Area Group A Road Network.docx](#)

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U.S. Department of Homeland Security  
Federal Emergency Management Agency FEMA-DR 1603 LA  
1500 Main St.  
Baton Rouge, LA 70802

January 31, 2017

MEMORANDUM TO: See Distribution

**SUBJECT:** Scoping Notification/Solicitation of Views  
RR3-Desire Area Group A Road Network (Project ID: RR026 Project Number FEMA 2013-FEMA-5BC)  
Desire Area Neighborhood  
New Orleans, LA 70126  
Project Location

Northwest Corner:	Latitude 30.002549	Longitude -90.045335
Northeast Corner:	Latitude 30.007574	Longitude -90.029628
Northwest Corner:	Latitude 29.982653	Longitude -90.030250
Northwest Corner:	Latitude 29.985537	Longitude -90.043549

Ms. Hardy and Ms. Lennox,

FEMA will be preparing an Environmental Assessment (EA) for the above referenced project. To assist us in preparation of the EA, we request that your office review the attached SOV memo and figures for a determination of any formal consultation, regulatory permitting, or other authorization requirements.

The proposed improved project would involve the reconstruction and/or major or minor rehabilitation of the streets and sidewalks in the Desire Area Group A road network. Work would be accomplished via demolition, removal, and restoration of damaged roadway components as specified in the respective project scopes of work, which shall consist of approved design drawing and specifications for the following roadway infrastructure systems/components and underground utilities as required. Please see attached SOV memo for details of the proposed project.

A portion of the proposed project area is located over the Agriculture Street Landfill, a Superfund site located in New Orleans.

Thank you in advance for your time and attention to this matter.

Laurel Rohrer (CTR)  
NISTAC Contractor  
Federal Emergency Management Agency  
1100 Robert E. Lee Blvd.  
New Orleans, LA 70124  
(504) 343-5749 (FEMA cell)  
(540) 842-3300 (personal cell)  
Email: [Laurel.Rohrer@associates.fema.dhs.gov](mailto:Laurel.Rohrer@associates.fema.dhs.gov)



January 31, 2017

MEMORANDUM TO: See Distribution

SUBJECT: Scoping Notification/Solicitation of Views

To Whom It May Concern:

The Department of Homeland Security's Federal Emergency Management Agency (FEMA) is mandated by the U.S. Congress to administer federal disaster assistance pursuant to the Robert T. Stafford Disaster Relief and Emergency Assistance Act (Stafford Act), PL 93-288, as amended. The Stafford Act authorizes FEMA's Public Assistance (PA) Program to repair, restore, reconstruct, or replace a public facility damaged or destroyed by a major disaster and make grants available for the purpose of removing disaster generated debris. FEMA applicants may elect to make improvements beyond the pre-disaster design of PA grant-eligible repairs or, as in the current proposal, an applicant may choose to repair or expand other selected public facilities, to construct new facilities, or to fund hazard mitigation measures instead of restoring a damaged facility.

Hurricane Katrina made landfall on August 29, 2005, near the town of Buras, Louisiana, with sustained winds of more than 125 miles per hour. This caused an accumulation of various types of debris on the streets and rights-of-way. Rain accumulation, in combination with debris blockage, saturated soils, and insufficient drainage, caused flooding and standing water in most of New Orleans, Louisiana. As a result of this event, many structures and roads within Orleans Parish, Louisiana were damaged or destroyed.

### **Proposed Scope of Work**

The proposed improved project would involve the reconstruction and/or major or minor rehabilitation of the streets and sidewalks in the Desire Area Road Network. For the RR3-Desire Area Group A Road Network (Project ID: RR026 Project Number FEMA 2013-FEMA-5BC), the current anticipated designed scope of work will typically consist of PCCP (concrete) roadway pavement isolated patching (incidental roadway repairs or minor pavement rehabilitation), full panel replacement (minor pavement rehabilitation), and/or full block reconstruction (major pavement rehabilitation); asphaltic concrete roadway pavement isolated full depth patching (incidental roadway repairs or minor pavement rehabilitation), mill (cold planing) & overlay (major pavement rehabilitation), and/or full block reconstruction (major pavement rehabilitation); and composite pavement (asphaltic concrete topped PCCP pavement) isolated full depth patching (incidental roadway repairs or minor pavement rehabilitation), mill (cold planing) & overlay (major pavement rehabilitation), and/or full block reconstruction (major pavement rehabilitation). In addition to the roadway pavement restoration scope, the project scope will also consist of any necessary associated demolition, removal and reconstruction of the roadway pavement structure, subbase and/or base courses, placement of engineering fabrics (geotextile and/or geogrid), bus pads, curbs, curbs & gutters, driveway aprons, sidewalks, ADA-compliant handicapped ramps, roadway striping and pavement markings, ditches, swales and bio swales, parking and bicycle lanes, relocation of underground streetlight and/or traffic signal conduit, restoration of medians, other incidental paved areas, and/or other street system feature work within the public right-of-way. In some instances public maintained brick, paver, stone, and/or aggregate pavement sections or services alleyways will be repaired as needed to restore to the pre-disaster function and condition.



For the individual street blocks undergoing roadway restoration work, where necessitated due to disaster related damages or constructability and/or site condition issues, the construction scope may also incorporate a combination of utility infrastructure structures/components, including but not limited to, minor drainage (storm sewer) (less 36 inches in diameter), water and/or sewerage (sanitary sewer) mains and service laterals and house connection repairs, relocations / offsets, or replacements; utility manholes, drop manholes, catch basins, drop inlets, conflict boxes, and other utility structure adjustments, repairs or replacements, including associated trench excavation, bedding, backfill and pavement restoration or pipe boring / jacking operations and associated pit restoration; water and sewer meters, valves, hydrants, and other utility system appurtenances and components cleaning, adjustments, relocations, repairs or replacements within the public right-of-way or publically maintained servitudes or easements. Drainage structures may require assessment, clean-out, CCTV inspection and/or other analysis, to identify specific damages and necessary repair scope.

Ground disturbing activities for the planned roadway and utility infrastructure scope will consist of general excavation for the roadway pavement patching or reconstruction and base layer sections (typically 24 inches in depth (less than 30 inches)); curbs & gutters, sidewalk, driveways, footlaps, and ADA ramp repairs or replacements including base material; drainage (storm sewer) line repairs or replacements including trench bedding (typically 3 feet to 6 feet in depth); water main repairs or replacements including trench bedding (typically 4 feet to 10 feet in depth); sewer line repairs or replacements including trench bedding (typically buried 6 feet to 15 feet in depth); associated utility service line lateral of varying depth from the point of origin at the main to the connection point; utility structure manhole & inlet repairs or replacements (typically 3 feet to 15 feet in depth); minor tree root pruning; and other incidentals necessary to execute the designed work depicted in the proposed plans and outlined in the scope of work. The typical utility main trench will vary from 4 feet to 10 feet in width and service lateral trenches from 3 feet to 5 feet in width.

Where necessary to implement the planned roadway and utility infrastructure scope of work, existing roadway pavement and other incidental paved area structures will be removed and properly disposed of off-site. In addition, any utility pipes, utility structures, and other system appurtenances impacted by the planned scope of work will be removed and disposed of as required to implement the scope of work. Existing disturbed soil may be reworked and compacted on site, temporarily removed and reused where feasible, or removed and replaced with new material as dictated by the project site conditions, geotechnical findings and/or engineering design in accordance with local standards and requirements. According to project construction plans, the total length of the project is estimated to be 17,555 linear feet. All work would occur within previously disturbed rights-of-way. See attached Figures 1 and 2.

It should be noted that a portion of the proposed project area is located within the Agriculture Street Landfill, a Superfund site located in New Orleans. See attached Figure 3 and Table 1.

To ensure compliance with the National Environmental Policy Act (NEPA), Executive Orders (EOs), and other applicable Federal regulations, we will be preparing a Supplemental Environmental Assessment (SEA) for this project. To assist us in preparation of the SEA, we request that your office review the attached figures for a determination of any formal consultation, regulatory permitting, or other authorization requirements.

Please respond within fifteen (15) calendar days of the date of this scoping notification. If our office receives no comments at the close of the current 15-day period, we will assume that your agency does not object to the project as proposed.

Comments may be e-mailed to [laurel.rohrer@associates.fema.dhs.gov](mailto:laurel.rohrer@associates.fema.dhs.gov) or mailed to the attention of Laurel Rohrer, Environmental/Historic Preservation (EHP) Department, at the address above.

For questions regarding this matter, please contact Laurel Rohrer, Environmental Specialist, at (504) 343-5749.

Tiffany Spann-Winfield  
Deputy Environmental Liaison Officer

Distribution: LDEQ, USEPA

Laurel Rohrer (CTR)  
Environmental Specialist  
1603-DR-LA  
(504) 343-5749 (FEMA cell)  
(540) 842-3300 (personal cell)

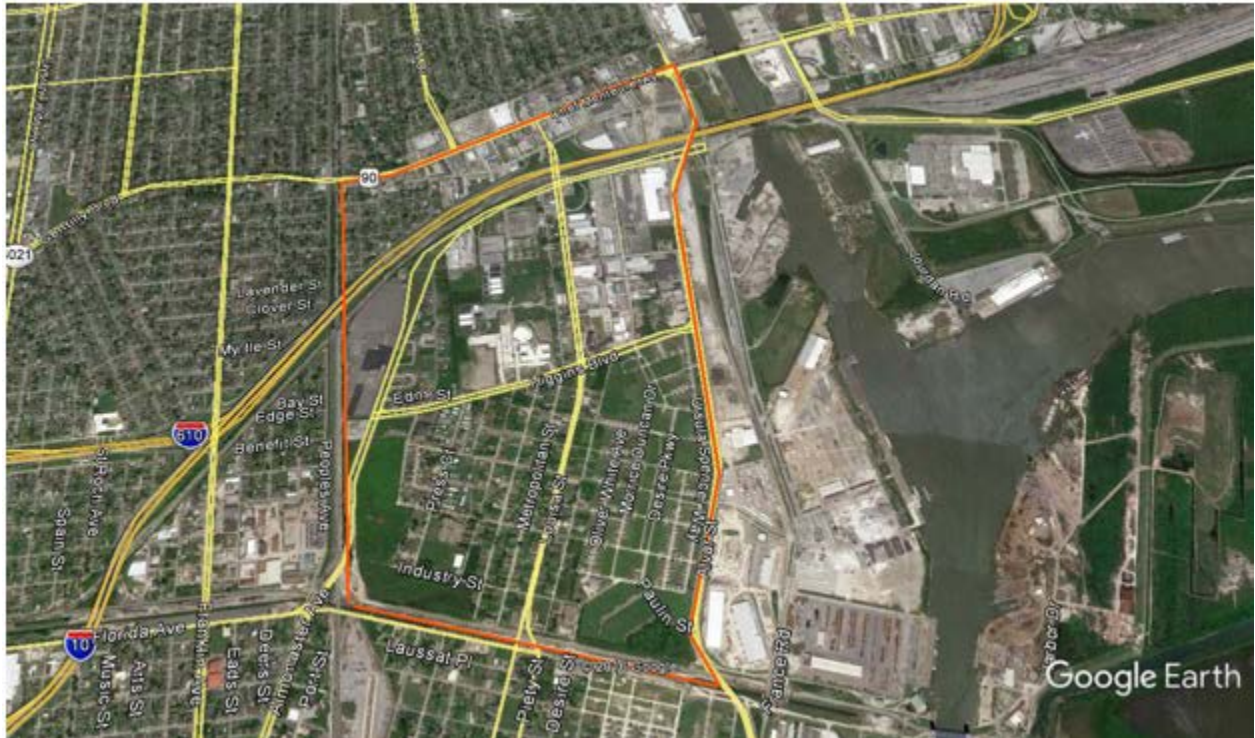


Figure 1 – Project area location, which is highlighted in orange. (Google Earth 2016)

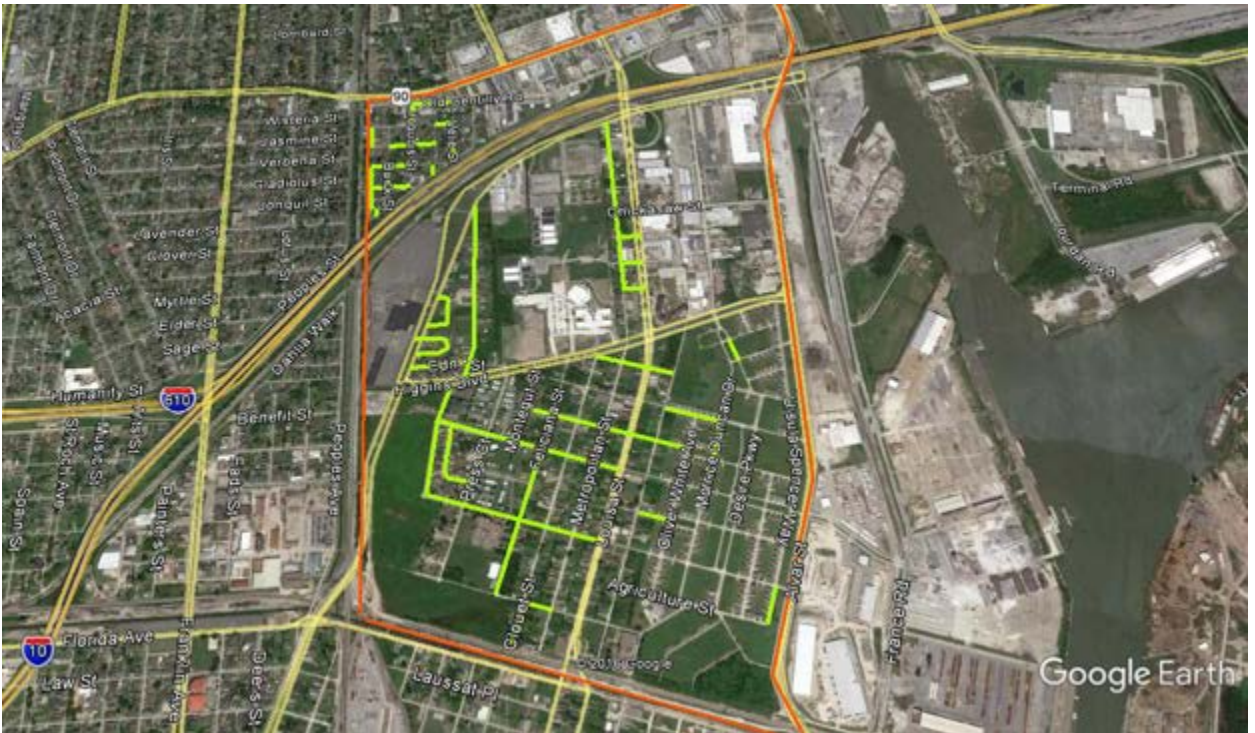
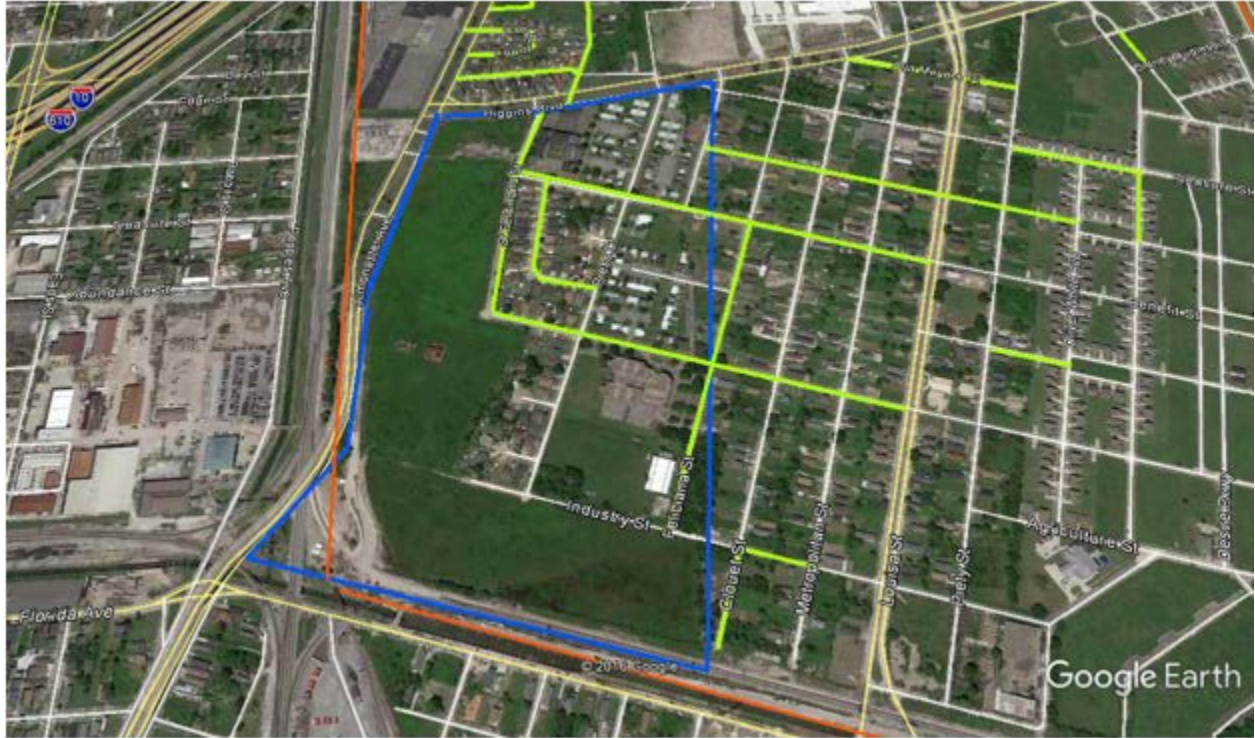


Figure 2 – Aerial view of the streets in involved in the proposed project. The affected streets are highlighted in green. (Google Earth 2016)



**Figure 3 – The southwest portion of the project area depicting the approximate footprint of the Agriculture Street Landfill outlined in blue.**

**Table 1. List of Project Streets and Block Segment Numbers which are located in full or in part within the Agriculture Street Landfill footprint and were part of the EPA’s response action**

Street Name	100 Block Number	Beginning Street	Ending Street	Description of Proposed Work
Abundance Street	2800	St. Ferdinand Street	Press Street	R/R ADA
Abundance Street	2900-3000	Press Street	Felician Street	R/R Concrete and ADA
Abundance Street	3100	Felician Street	Metropolitan Street	R/R Sidewalk and Concrete
Benefit Street	2900	St. Ferdinand Street	Press Street	R/R ADA
Benefit Street	3000-3015	Press Street	Felician Street	R/R ADA
Felician Street	2800-2900	Industry Street	Abundance Street	R/R Sidewalk and Concrete
Felician Street	3000	Abundance Street	Treasure Street	R/R Sidewalk, Concrete, and ADA
Gordon Plaza	1-80	Benefit Street	Press Street	R/R Sidewalk and Concrete
St. Ferdinand Street	3000-3100	Abundance Street	Benefit Street	R/R Sidewalk and Concrete
St. Ferdinand Street	3200	Benefit Street	Higgin Boulevard	R/R Sidewalk and Concrete

Table 1. Notes:

R/R = Repair and Replace

ADA = Americans with Disabilities Act

**From:** [Lennox, Ursula](#)  
**To:** [Rohrer, Laurel](#)  
**Cc:** [Travis, Pamela](#); [Coats, Janetta](#); [Edwin.Akujobi](#); [Ron Harper \(rgharper@nola.gov\)](#)  
**Subject:** FW: SOV Request for AI 2607 Desire Area Group A (Project ID: RR026 Project Number FEMA 2013-FEMA-5BC)  
 Road Network Repairs/Reconstruction  
**Date:** Tuesday, January 31, 2017 4:35:29 PM  
**Attachments:** [SOV Memo - AI 2607 RR3 Desire Area Group A Road Network.docx](#)  
[061614-UTILFNL Updated.pdf](#)

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Good Afternoon Ms. Rohrer,

Thank you for the opportunity to review the Solicitation of View Request for AI2607 Desire Area Group A Road Network Repairs and Reconstruction. As captured in your attached memo, several streets, located on the Agriculture Street Landfill Superfund site, will be repaired or reconstructed. In reviewing Table 1, two of the streets, Abundance Street and Feliciana Street (highlighted in yellow in the table below) are not part of the site. Also, the portion of Benefit Street that is located on the site begins with Press Street and ends with Montegut Street (highlighted in blue). The remaining portion of Benefit Street between Montegut and Feliciana Street is not located on the site.

Street Name	100 Block Number	Beginning Street	Ending Street	Description of Proposed Work
Abundance Street	3100	Feliciana Street	Metropolitan Street	R/R Sidewalk and Concrete
Feliciana Street	3000	Abundance Street	Treasure Street	R/R Sidewalk, Concrete, and ADA
Benefit Street	3000-3015	Press Street	Montegut Street Feliciana Street	R/R ADA

No response action was implemented by EPA on the streets within the site’s boundary. As with any road repairs or construction, safety measures should be followed. Should any excess soil require disposal, parties should coordinate with the City of New Orleans on the appropriate facility to use. Also, the city of New Orleans is a member of LA One Call and they should be contacted to help the contractor dig safely. Attached is a Technical Abstract EPA developed for utility companies and Railroad who perform work in the area. This is a tool that will be helpful, when plans are developed.

If you have any questions, please give me a call at the number listed below. Thank you for the opportunity to comment and have a pleasant afternoon.

Ursula Lennox  
 Remedial Project Manager  
 U.S. EPA (6SF-RL)  
 (214) 665-6743  
[Lennox.Ursula@epa.gov](mailto:Lennox.Ursula@epa.gov)

---

**From:** Rohrer, Laurel [<mailto:laurel.rohrer@associates.fema.dhs.gov>]  
**Sent:** Tuesday, January 31, 2017 12:02 PM  
**To:** Lennox, Ursula <[Lennox.Ursula@epa.gov](mailto:Lennox.Ursula@epa.gov)>; Linda (Brown) Hardy <[Linda.Hardy@la.gov](mailto:Linda.Hardy@la.gov)>

**Cc:** Holmes, Leschina <Leschina.Holmes@fema.dhs.gov>; Woods, Denoia <denoia.woods@fema.dhs.gov>; Anchors, Rusty (CTR) <Rusty.Anchors@associates.fema.dhs.gov>  
**Subject:** SOV Request for AI 2607 Desire Area Group A (Project ID: RR026 Project Number FEMA 2013-FEMA-5BC) Road Network Repairs/Reconstruction

U.S. Department of Homeland Security  
Federal Emergency Management Agency FEMA-DR 1603 LA  
1500 Main St.  
Baton Rouge, LA 70802

January 31, 2017

MEMORANDUM TO: See Distribution

SUBJECT: Scoping Notification/Solicitation of Views  
RR3-Desire Area Group A Road Network (Project ID: RR026 Project Number FEMA 2013-FEMA-5BC)  
Desire Area Neighborhood  
New Orleans, LA 70126  
Project Location

Northwest Corner:	Latitude 30.002549	Longitude -90.045335
Northeast Corner:	Latitude 30.007574	Longitude -90.029628
Northwest Corner:	Latitude 29.982653	Longitude -90.030250
Northwest Corner:	Latitude 29.985537	Longitude -90.043549

Ms. Hardy and Ms. Lennox,

FEMA will be preparing an Environmental Assessment (EA) for the above referenced project. To assist us in preparation of the EA, we request that your office review the attached SOV memo and figures for a determination of any formal consultation, regulatory permitting, or other authorization requirements.

The proposed improved project would involve the reconstruction and/or major or minor rehabilitation of the streets and sidewalks in the Desire Area Group A road network. Work would be accomplished via demolition, removal, and restoration of damaged roadway components as specified in the respective project scopes of work, which shall consist of approved design drawing and specifications for the following roadway infrastructure systems/components and underground utilities as required. Please see attached SOV memo for details of the proposed project.

A portion of the proposed project area is located over the Agriculture Street Landfill, a Superfund site located in New Orleans.

Thank you in advance for your time and attention to this matter.

Laurel Rohrer (CTR)  
NISTAC Contractor  
Federal Emergency Management Agency  
1100 Robert E. Lee Blvd.  
New Orleans, LA 70124  
(504) 343-5749 (FEMA cell)  
(540) 842-3300 (personal cell)  
Email: [Laurel.Rohrer@associates.fema.dhs.gov](mailto:Laurel.Rohrer@associates.fema.dhs.gov)

**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
REGION 6  
DALLAS, TEXAS**

**AGRICULTURE STREET LANDFILL SUPERFUND SITE  
NEW ORLEANS, LOUISIANA**

**TECHNICAL ABSTRACT FOR UTILITIES AND RAILROAD**

**Updated March 2013**

The remedy for subsurface contamination at the Agriculture Street Landfill Superfund Site includes a subsurface permeable geo-textile mat over contaminated material left in place. The undeveloped area is graded to provide controlled drainage. This area contains a permeable geo-textile mat that is covered with 12 inches of clean soil and a vegetative cover. The permeable geo-textile mat in the developed area is covered by 18 inches of clean soil and a vegetative cover in the right of ways and 24 inches of clean soil and a vegetative cover on the community center and residential properties. The vegetative cover is to prevent the erosion of the soil cap. This Technical Abstract provides the protocol that utilities and railroad companies identified in the table below should follow to maintain the integrity of the permeable soil and geo-textile mat implemented by the U.S. Environmental Protection Agency (EPA) on the Agriculture Street Landfill Superfund Site. With the exception of nine residential properties, an EPA response action was implemented on the Site. Based on the best available information to date, the following utilities and railroad companies provide service in and around the area.

<b>SERVICE</b>	<b>PROVIDER</b>
Telephone	Bell South
Water	Sewage & Water Board
Sewage	Sewage & Water Board
Cable TV	Cox Communications
Electric	Entergy
Gas	Entergy
Railroad	Alabama Great Southern Railroad Company d/b/a Norfolk Southern

All properties will not have all of the above mentioned utilities present. However the concerns and considerations for each Provider listed above will be the same for all properties.



## **UNDEVELOPED AREA - EXCAVATION BELOW ONE FOOT EXCAVATION/BACKFILL LIMITS**

In the event that a utility or railroad company finds it necessary to excavate below the limits of the geo-textile mat, the following procedures are to be followed:

- 1) The utility company or the railroad company shall contact the USEPA that excavation below and penetration of the geo-textile mat is necessary.
- 2) Soils excavated within the top 12 inches of the excavation (above the geo-textile mat) may be set aside and used as backfill in the same area.
- 3) The geo-textile is to be cut to provide access below the mat.
- 4) Soil excavated from below the mat is considered to be landfill material. Each utility company and railroad company is to determine, after consulting with a Certified Industrial Hygienist, the proper personal protective equipment required to accomplish the work.
- 5) After completion of the work, the excavated soil (that from below the mat) may be placed back into the excavation as backfill (to an elevation not to exceed the elevation of the adjacent geo-textile mat) or may be tested by the utility company and disposed of properly at a facility designated by the City of New Orleans.
- 6) After completion of the backfill below the remedy area, the geo-textile and marker is to be restored. The geo-textile is to be patched by cutting a piece of new fabric so that there is an overlap of 3 feet on all sides. The fabric used as the patch shall be of the same quality and properties as the original fabric.
- 7) The soils excavated from the top 12 inches shall be used as backfill above the geo-textile mat.

**DEVELOPED AREA - EXCAVATION BELOW TWO FEET  
EXCAVATION/BACKFILL LIMITS**

In the event that a utility company finds it necessary to excavate below the limits of the geo-textile mat, the following procedures are to be followed:

- 1) The utility company shall contact the USEPA that excavation below and penetration of the geo-textile mat is necessary.
- 2) Soils excavated within the top two feet of the excavation (above the geo-textile mat) may be set aside and used as backfill in the same area.
- 3) The geo-textile is to be cut to provide access below the mat.
- 4) Soil excavated from below the mat is considered to be landfill material. Each utility company is to determine, after consulting with a Certified Industrial Hygienist, the proper personal protective equipment required to accomplish the work.
- 5) After completion of the work, the excavated soil (that from below the mat) may be placed back into the excavation as backfill (to an elevation not to exceed the elevation of the adjacent geo-textile mat) or may be tested by the utility company and disposed of properly at a facility designated by the City of New Orleans.
- 6) After completion of the backfill below the remedy area, the geo-textile and marker is to be restored. The geo-textile is to be patched by cutting a piece of new fabric so that there is an overlap of 3 feet on all sides. The fabric used as the patch shall be of the same quality and properties as the original fabric.
- 7) The soils excavated from the top two feet shall be used as backfill above the geo-textile mat.

**From:** Rohrer, Laurel  
**To:** [Holmes, Leschina](#); [Linda \(Brown\) Hardy](#)  
**Cc:** [Holmes, Leschina](#); [Woods, Denoia](#)  
**Subject:** Updated SOV for AI 2607 Desire Area Group A project  
**Date:** Tuesday, March 21, 2017 1:59:00 PM  
**Attachments:** [Updated SOV Memo - AI 2607 RR3 Desire Area Group A Road Network.docx](#)

---

U.S. Department of Homeland Security  
Federal Emergency Management Agency FEMA-DR 1603 LA  
1500 Main St.  
Baton Rouge, LA 70802

March 21, 2017

MEMORANDUM TO: See Distribution

**SUBJECT:** Scoping Notification/Solicitation of Views  
RR3-Desire Area Group A Road Network (Project ID: RR026 Project Number FEMA  
2013-FEMA-5BC)  
Desire Area Neighborhood  
New Orleans, LA 70126  
Project Location:

Northwest Corner:	Latitude 30.002549	Longitude -90.045335
Northeast Corner:	Latitude 30.007948	Longitude -90.027659
Southeast Corner:	Latitude 29.981314	Longitude -90.024021
Southwest Corner:	Latitude 29.985537	Longitude -90.043549

Ms. Hardy and Ms. Lennox,

This is an update to the previous SOV for the Desire Area Group A project SOV sent to your office on January 31, 2017.

FEMA will be preparing an Environmental Assessment (EA) for the above referenced project. To assist us in preparation of the EA, we request that your office review the attached SOV memo and figures for a determination of any formal consultation, regulatory permitting, or other authorization requirements.

The proposed improved project would involve the reconstruction and/or major or minor rehabilitation of the streets and sidewalks in the Desire Area Group A road network. Work would be accomplished via demolition, removal, and restoration of damaged roadway components as specified in the respective project scopes of work, which shall consist of approved design drawing and specifications for the following roadway infrastructure systems/components and underground utilities as required. Please see attached SOV memo for details of the proposed project.

A portion of the proposed project area is located over the Agriculture Street Landfill, a Superfund

site located in New Orleans.

Thank you in advance for your time and attention to this matter.

Laurel Rohrer (CTR)  
NISTAC Contractor  
Federal Emergency Management Agency  
1100 Robert E. Lee Blvd.  
New Orleans, LA 70124  
(504) 343-5749 (FEMA cell)  
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Email: [Laurel.Rohrer@associates.fema.dhs.gov](mailto:Laurel.Rohrer@associates.fema.dhs.gov)

**From:** Rohrer, Laurel  
**To:** ["Lennox, Ursula"](#)  
**Subject:** FW: Updated SOV for AI 2607 Desire Area Group A project  
**Date:** Thursday, March 23, 2017 11:58:00 AM  
**Attachments:** [Updated SOV Memo - AI 2607 RR3 Desire Area Group A Road Network.docx](#)

---

U.S. Department of Homeland Security  
Federal Emergency Management Agency FEMA-DR 1603 LA  
1500 Main St.  
Baton Rouge, LA 70802

March 21, 2017

MEMORANDUM TO: See Distribution

**SUBJECT:** Scoping Notification/Solicitation of Views  
RR3-Desire Area Group A Road Network (Project ID: RR026 Project Number FEMA  
2013-FEMA-5BC)  
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New Orleans, LA 70126  
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Northwest Corner:	Latitude 30.002549	Longitude -90.045335
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Southeast Corner:	Latitude 29.981314	Longitude -90.024021
Southwest Corner:	Latitude 29.985537	Longitude -90.043549

Ms. Lennox,

This is an update to the previous SOV for the Desire Area Group A project SOV sent to your office on January 31, 2017.

FEMA will be preparing an Environmental Assessment (EA) for the above referenced project. To assist us in preparation of the EA, we request that your office review the attached SOV memo and figures for a determination of any formal consultation, regulatory permitting, or other authorization requirements.

The proposed improved project would involve the reconstruction and/or major or minor rehabilitation of the streets and sidewalks in the Desire Area Group A road network. Work would be accomplished via demolition, removal, and restoration of damaged roadway components as specified in the respective project scopes of work, which shall consist of approved design drawing and specifications for the following roadway infrastructure systems/components and underground utilities as required. Please see attached SOV memo for details of the proposed project.

A portion of the proposed project area is located over the Agriculture Street Landfill, a Superfund

site located in New Orleans.

Thank you in advance for your time and attention to this matter.

Laurel Rohrer (CTR)  
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Email: [Laurel.Rohrer@associates.fema.dhs.gov](mailto:Laurel.Rohrer@associates.fema.dhs.gov)



March 21, 2017

MEMORANDUM TO: See Distribution

SUBJECT: Scoping Notification/Solicitation of Views

To Whom It May Concern:

This is an update to the previous SOV for the Desire Area Group A project SOV sent to your office on January 31, 2017. In response to the Federal Emergency Management Agency's (FEMA) Environmental and Historic Preservation's (EHP)'s request, the City of New Orleans (CNO) has provided to FEMA a list of all the street block segments where such work will take place within the Agriculture Street Landfill. The information provided to FEMA includes the following streets.

Capital Improvement Projects (CIP) Project Locations within Agriculture Street Landfill bounds:

2800 Abundance St (Saint Ferdinand St-Press St): RR026/Patch Concrete  
2900-3000 Abundance St (Press St-Feliciana St): RR026/Patch Concrete  
2900 Benefit St (Gordon Plaza Dr-Press St): RR026/Patch Concrete  
3000 Benefit St (Press St-Montegut St): RR026/Patch Concrete  
2800-2900 Feliciana St (Industry St-Abundance St): RR026/Patch Concrete  
1-80 Gordon Plaza Dr (Press St-Benefit St): RR026/Non-Pavement Incidentals  
**3200 Montegut St (Benefit St-Humanity St): RR027/Patch Mill/Overlay**  
3100 Saint Ferdinand St (Abundance St-Benefit St): RR026/Incidental Road Repairs  
3200 Saint Ferdinand St (Benefit St-Higgins Blvd (Riverside)): RR026/Non-Pavement Incidentals

RR026: Desire Group A (PMOPI)

**RR027: Desire Group B (PMOPC)**

In order to consolidate all CNO proposed road work located within the Agriculture Street Landfill footprint into this project. As a result, Desire Group B component 3200 Montegut St (Benefit St-Humanity St): RR027/Patch Mill/Overlay work will be added to the scope of work and evaluated in the Desire Group A project SEA.

The Department of Homeland Security's FEMA is mandated by the U.S. Congress to administer federal disaster assistance pursuant to the Robert T. Stafford Disaster Relief and Emergency Assistance Act (Stafford Act), PL 93-288, as amended. The Stafford Act authorizes FEMA's Public Assistance (PA) Program to repair, restore, reconstruct, or replace a public facility damaged or destroyed by a major disaster and make grants available for the purpose of removing disaster generated debris. FEMA applicants may elect to make improvements beyond the pre-disaster design of PA grant-eligible repairs or, as in the current proposal, an applicant may choose to repair or expand other selected public facilities, to construct new facilities, or to fund hazard mitigation measures instead of restoring a damaged facility.

Hurricane Katrina made landfall on August 29, 2005, near the town of Buras, Louisiana, with sustained winds of more than 125 miles per hour. This caused an accumulation of various types of debris on the streets and rights-of-way. Rain accumulation, in combination with debris blockage, saturated soils, and insufficient drainage, caused flooding and standing water in most of New Orleans, Louisiana. As a result

of this event, many structures and roads within Orleans Parish, Louisiana were damaged or destroyed.

### **Proposed Scope of Work**

The proposed improved project would involve the reconstruction and/or major or minor rehabilitation of the streets and sidewalks in the Desire Area Road Network. For the RR3-Desire Area Group A Road Network (Project ID: RR026 Project Number FEMA 2013-FEMA-5BC), the current anticipated designed scope of work will typically consist of PCCP (concrete) roadway pavement isolated patching (incidental roadway repairs or minor pavement rehabilitation), full panel replacement (minor pavement rehabilitation), and/or full block reconstruction (major pavement rehabilitation); asphaltic concrete roadway pavement isolated full depth patching (incidental roadway repairs or minor pavement rehabilitation), mill (cold planing) & overlay (major pavement rehabilitation), and/or full block reconstruction (major pavement rehabilitation); and composite pavement (asphaltic concrete topped PCCP pavement) isolated full depth patching (incidental roadway repairs or minor pavement rehabilitation), mill (cold planing) & overlay (major pavement rehabilitation), and/or full block reconstruction (major pavement rehabilitation). In addition to the roadway pavement restoration scope, the project scope will also consist of any necessary associated demolition, removal and reconstruction of the roadway pavement structure, subbase and/or base courses, placement of engineering fabrics (geotextile and/or geogrid), bus pads, curbs, curbs & gutters, driveway aprons, sidewalks, ADA-compliant handicapped ramps, roadway striping and pavement markings, ditches, swales and bio swales, parking and bicycle lanes, relocation of underground streetlight and/or traffic signal conduit, restoration of medians, other incidental paved areas, and/or other street system feature work within the public right-of-way. In some instances public maintained brick, paver, stone, and/or aggregate pavement sections or services alleyways will be repaired as needed to restore to the pre-disaster function and condition.

For the individual street blocks undergoing roadway restoration work, where necessitated due to disaster related damages or constructability and/or site condition issues, the construction scope may also incorporate a combination of utility infrastructure structures/components, including but not limited to, minor drainage (storm sewer) (less 36 inches in diameter), water and/or sewerage (sanitary sewer) mains and service laterals and house connection repairs, relocations / offsets, or replacements; utility manholes, drop manholes, catch basins, drop inlets, conflict boxes, and other utility structure adjustments, repairs or replacements, including associated trench excavation, bedding, backfill and pavement restoration or pipe boring / jacking operations and associated pit restoration; water and sewer meters, valves, hydrants, and other utility system appurtenances and components cleaning, adjustments, relocations, repairs or replacements within the public right-of-way or publically maintained servitudes or easements. Drainage structures may require assessment, clean-out, CCTV inspection and/or other analysis, to identify specific damages and necessary repair scope.

Ground disturbing activities for the planned roadway and utility infrastructure scope will consist of general excavation for the roadway pavement patching or reconstruction and base layer sections (typically 24 inches in depth (less than 30 inches)); curbs & gutters, sidewalk, driveways, footlaps, and ADA ramp repairs or replacements including base material; drainage (storm sewer) line repairs or replacements including trench bedding (typically 3 feet to 6 feet in depth); water main repairs or replacements including trench bedding (typically 4 feet to 10 feet in depth); sewer line repairs or replacements including trench bedding (typically buried 6 feet to 15 feet in depth); associated utility service line lateral of varying depth from the point of origin at the main to the connection point; utility structure manhole & inlet repairs or replacements (typically 3 feet to 15 feet in depth); minor tree root pruning; and other incidentals necessary to execute the designed work depicted in the proposed plans and outlined in the scope of work. The typical utility main trench will vary from 4 feet to 10 feet in width and service lateral trenches from 3 feet to 5 feet in width.

Where necessary to implement the planned roadway and utility infrastructure scope of work, existing roadway pavement and other incidental paved area structures will be removed and properly disposed of



off-site. In addition, any utility pipes, utility structures, and other system appurtenances impacted by the planned scope of work will be removed and disposed of as required to implement the scope of work. Existing disturbed soil may be reworked and compacted on site, temporarily removed and reused where feasible, or removed and replaced with new material as dictated by the project site conditions, geotechnical findings and/or engineering design in accordance with local standards and requirements. According to project construction plans, the total length of the project is estimated to be 17,555 linear feet. All work would occur within previously disturbed rights-of-way. See attached Figures 1 and 2.

It should be noted that a portion of the proposed project area is located within the Agriculture Street Landfill, a Superfund site located in New Orleans. See attached Figure 3 and Table 1.

To ensure compliance with the National Environmental Policy Act (NEPA), Executive Orders (EOs), and other applicable Federal regulations, we will be preparing a Supplemental Environmental Assessment (SEA) for this project. To assist us in preparation of the SEA, we request that your office review the attached figures for a determination of any formal consultation, regulatory permitting, or other authorization requirements.

Please respond within fifteen (15) calendar days of the date of this scoping notification. If our office receives no comments at the close of the current 15-day period, we will assume that your agency does not object to the project as proposed.

Comments may be e-mailed to [laurel.rohrer@associates.fema.dhs.gov](mailto:laurel.rohrer@associates.fema.dhs.gov) or mailed to the attention of Laurel Rohrer, Environmental/Historic Preservation (EHP) Department, at the address above.

For questions regarding this matter, please contact Laurel Rohrer, Environmental Specialist, at (504) 343-5749.

Tiffany Spann-Winfield  
Deputy Environmental Liaison Officer

Distribution: LDEQ, USEPA

Laurel Rohrer (CTR)  
Environmental Specialist  
1603-DR-LA  
(504) 343-5749 (FEMA cell)  
(540) 842-3300 (personal cell)



Figure 1 – Project area location, which is highlighted in orange. (Google Earth 2016)

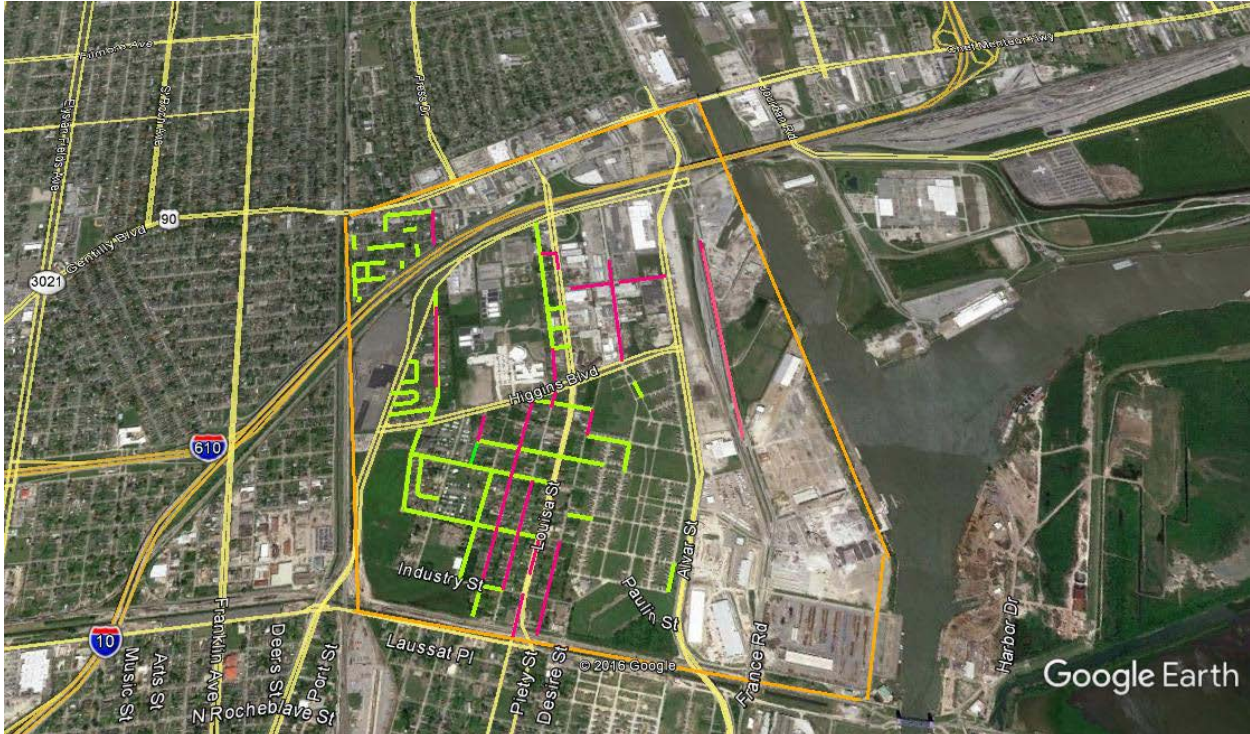
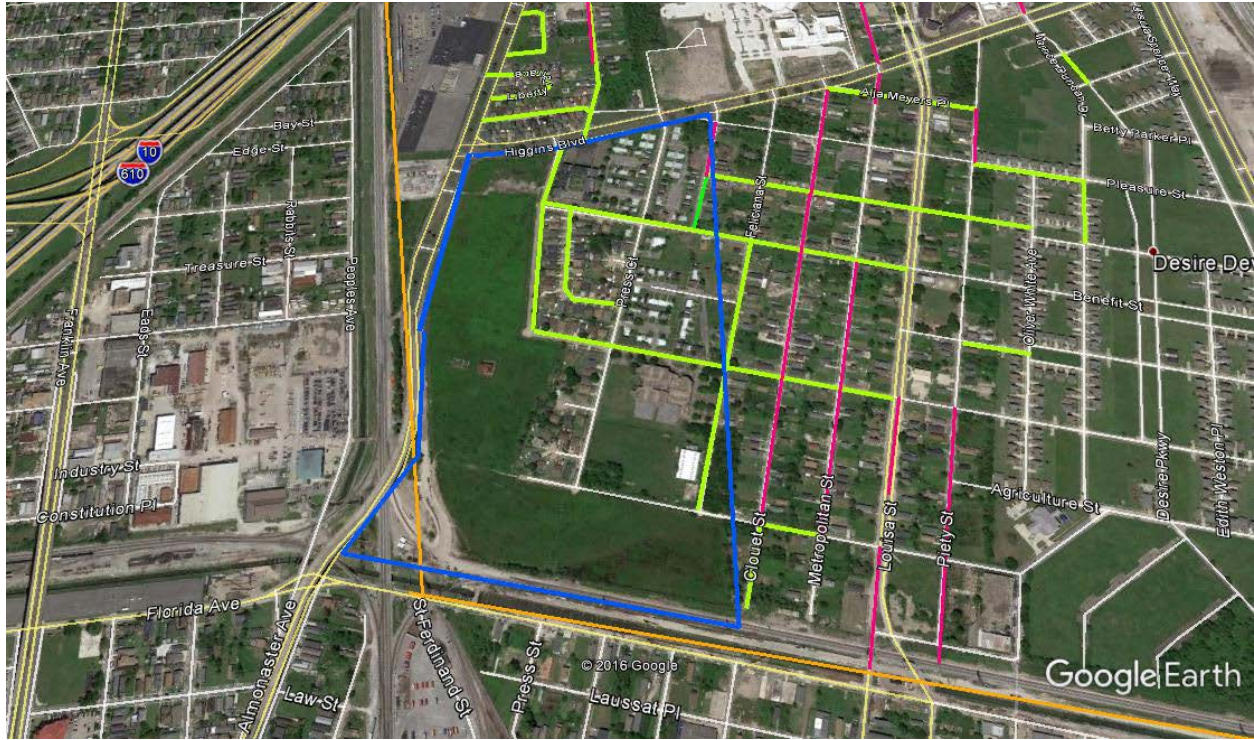


Figure 2 – Aerial view of the streets in involved in the proposed project. The affected streets are highlighted in green. (Google Earth 2016)



**Figure 3 – The southwest portion of the project area depicting the approximate footprint of the Agriculture Street Landfill outlined in blue.**

**Table 1. List of Project Streets and Block Segment Numbers which are located in full or in part within the Agriculture Street Landfill footprint and were part of the EPA’s response action**

Street Name	100 Block Number	Beginning Street	Ending Street	Description of Proposed Work
Abundance Street	2800	St. Ferdinand Street	Press Street	R/R ADA
Abundance Street	2900-3000	Press Street	Feliciana Street	R/R Concrete and ADA
Benefit Street	2900	St. Ferdinand Street	Press Street	R/R ADA
Benefit Street	3000-3015	Press Street	Montegut Street	R/R ADA
Feliciana Street	2800-2900	Industry Street	Abundance Street	R/R Sidewalk and Concrete
Gordon Plaza	1-80	Benefit Street	Press Street	R/R Sidewalk and Concrete
Montegut Street*	3200	Benefit Street	Humanity Street	Patch, M/O
St. Ferdinand Street	3000-3100	Abundance Street	Benefit Street	R/R Sidewalk and Concrete
St. Ferdinand Street	3200	Benefit Street	Higgins Boulevard	R/R Sidewalk and Concrete

Table 1. Notes:

R/R = Repair and Replace

ADA = Americans with Disabilities Act

M/O = Mill and Overlay

\* The CNO has scheduled the work 3200 Montegut Street in the upcoming proposed, (but not yet submitted) Desire Group B project; however, in order to consolidate all proposed work within the Agriculture Street Landfill footprint, FEMA will evaluate the 3200 Montegut Street segment work in this SEA. Because of this, specific construction plans for this street segment are not included in this SEA.

**From:** [Lennox, Ursula](#)  
**To:** [Rohrer, Laurel](#)  
**Subject:** FW: Updated SOV for AI 2607 Desire Area Group A project (Agriculture Street Landfill site)  
**Date:** Thursday, April 06, 2017 2:51:44 PM  
**Attachments:** [Updated SOV Memo - AI 2607 RR3 Desire Area Group A Road Network.docx](#)  
[061614-UTILFNL Updated.pdf](#)

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This message is being resent since it was returned "undelivered".

Ursula Lennox  
Remedial Project Manager  
U.S. EPA (6SF-RL)  
(214) 665-6743  
[Lennox.Ursula@epa.gov](mailto:Lennox.Ursula@epa.gov)

---

**From:** Lennox, Ursula  
**Sent:** Thursday, April 06, 2017 2:48 PM  
**To:** 'Rohrer, Laurel '  
**Cc:** Pamela Travis <[Travis.Pamela@epa.gov](mailto:Travis.Pamela@epa.gov)>; Coats, Janetta <[coats.janetta@epa.gov](mailto:coats.janetta@epa.gov)>; Edwin Akujobi <[Edwin.Akujobi@LA.GOV](mailto:Edwin.Akujobi@LA.GOV)>; Charles E. Allen III <[ceallen@nola.gov](mailto:ceallen@nola.gov)>  
**Subject:** FW: Updated SOV for AI 2607 Desire Area Group A project (Agriculture Street Landfill site)

Good Afternoon Ms. Rohrer,

Thank you once again for the opportunity to review the updated SOV for AI2607 Desire Area Group A project. The list of streets in the updated SOV memo have been modified to take into account EPA's comments that were provided in a January 31, 2017 e-mail. As expressed in EPA's initial response, no response action was implemented by EPA on the streets within the site's boundary. As with any road repairs or construction, safety measures should be followed. Should any excess soil require disposal, parties should coordinate with the City of New Orleans on the appropriate facility to use. I have included my counterparts with the City and State on this e-mail, so that they are aware of FEMA's plans. Also, the city of New Orleans is a member of LA One Call and they should be contacted to help the contractor dig safely. Once again, a Technical Abstract EPA developed for utility companies and Railroad who perform work in the area, is attached for your consideration. This tool is helpful and should be included in plans that are developed.

If you have any questions, please give me a call at the number listed below. Thank you again for the opportunity to comment and have a pleasant afternoon.

Ursula Lennox  
Remedial Project Manager  
U.S. EPA (6SF-RL)  
(214) 665-6743  
[Lennox.Ursula@epa.gov](mailto:Lennox.Ursula@epa.gov)

---

**From:** Rohrer, Laurel [<mailto:laurel.rohrer@associates.fema.dhs.gov>]  
**Sent:** Thursday, March 23, 2017 11:58 AM  
**To:** Lennox, Ursula <[Lennox.Ursula@epa.gov](mailto:Lennox.Ursula@epa.gov)>

**Subject:** FW: Updated SOV for AI 2607 Desire Area Group A project

U.S. Department of Homeland Security  
Federal Emergency Management Agency FEMA-DR 1603 LA  
1500 Main St.  
Baton Rouge, LA 70802

March 21, 2017

MEMORANDUM TO: See Distribution

SUBJECT: Scoping Notification/Solicitation of Views  
RR3-Desire Area Group A Road Network (Project ID: RR026 Project Number FEMA  
2013-FEMA-5BC)  
Desire Area Neighborhood  
New Orleans, LA 70126  
Project Location:

Northwest Corner:	Latitude 30.002549	Longitude -90.045335
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Southeast Corner:	Latitude 29.981314	Longitude -90.024021
Southwest Corner:	Latitude 29.985537	Longitude -90.043549

Ms. Lennox,

This is an update to the previous SOV for the Desire Area Group A project SOV sent to your office on January 31, 2017.

FEMA will be preparing an Environmental Assessment (EA) for the above referenced project. To assist us in preparation of the EA, we request that your office review the attached SOV memo and figures for a determination of any formal consultation, regulatory permitting, or other authorization requirements.

The proposed improved project would involve the reconstruction and/or major or minor rehabilitation of the streets and sidewalks in the Desire Area Group A road network. Work would be accomplished via demolition, removal, and restoration of damaged roadway components as specified in the respective project scopes of work, which shall consist of approved design drawing and specifications for the following roadway infrastructure systems/components and underground utilities as required. Please see attached SOV memo for details of the proposed project.

A portion of the proposed project area is located over the Agriculture Street Landfill, a Superfund site located in New Orleans.

Thank you in advance for your time and attention to this matter.

Laurel Rohrer (CTR)  
NISTAC Contractor  
Federal Emergency Management Agency  
1100 Robert E. Lee Blvd.  
New Orleans, LA 70124  
(504) 343-5749 (FEMA cell)  
(540) 842-3300 (personal cell)  
Email: [Laurel.Rohrer@associates.fema.dhs.gov](mailto:Laurel.Rohrer@associates.fema.dhs.gov)

**From:** [Linda \(Brown\) Hardy](#)  
**To:** [Rohrer, Laurel](#)  
**Cc:** [Yasoob Zia](#); [Edwin Akujobi](#); [Keith Horn](#)  
**Subject:** DEQ SOV 170217/0110 Desire Area Group A  
**Date:** Tuesday, May 02, 2017 12:16:47 PM  
**Attachments:** [0110 EPA Comments on Agriculture Street Landfill Superfund Site 061614-UTILFNL Updated.pdf](#)

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May 2, 2017

Laurel Rohrer (CTR)  
NISTAC Contractor/FEMA  
1100 Robert E. Lee Blvd.  
New Orleans, LA 70124  
[Laurel.Rohrer@associates.fema.dhs.gov](mailto:Laurel.Rohrer@associates.fema.dhs.gov)

RE:170217/0110 Desire Area Group A  
FEMA Funding  
Orleans Parish

Dear Ms. Rohrer:

The Department of Environmental Quality (LDEQ), Business and Community Outreach Division has received your request for comments on the above referenced project.

After reviewing your request, the Department has no objections based on the information provided in your submittal. However, for your information, the following general comments have been included. Please be advised that if you should encounter a problem during the implementation of this project, you should immediately notify LDEQ's Single-Point-of-contact (SPOC) at (225) 219-3640.

- Please take any necessary steps to obtain and/or update all necessary approvals and environmental permits regarding this proposed project.
- The proposed road repair and rehabilitation project includes several streets located within the Agriculture Street landfill site. The EPA's response action did not involve any streets, however the Agency prepared a Technical Abstract that provides the protocols for maintaining the integrity of the action taken at the site. Considering that the proposed road/street project will include excavation activities in the former landfill, we suggest that the nature of the response action taken in Operable Unit 2 (OU-2) as well as the requirements of the Technical Abstract be considered in the preparation of the proposed Supplemental Environmental Assessment.
- If your project results in a discharge to waters of the state, submittal of a Louisiana Pollutant Discharge Elimination System (LPDES) application may be necessary.
- If the project results in a discharge of wastewater to an existing wastewater treatment system, that wastewater treatment system may need to modify its LPDES permit before accepting the additional wastewater.
- All precautions should be observed to control nonpoint source pollution from construction activities. LDEQ has stormwater general permits for construction areas equal to or greater than one acre. It is recommended that you contact the LDEQ Water Permits Division at (225) 219-9371 to determine if your proposed project requires a permit.
- If your project will include a sanitary wastewater treatment facility, a Sewage Sludge and Biosolids Use or Disposal Permit is required. An application or Notice of Intent will be required if

the sludge management practice includes preparing biosolids for land application or preparing sewage sludge to be hauled to a landfill. Additional information may be obtained on the LDEQ website at <http://www.deq.louisiana.gov/portal/tabid/2296/Default.aspx> or by contacting the LDEQ Water Permits Division at (225) 219- 9371.

- If any of the proposed work is located in wetlands or other areas subject to the jurisdiction of the U.S. Army Corps of Engineers, you should contact the Corps directly regarding permitting issues. If a Corps permit is required, part of the application process may involve a water quality certification from LDEQ.
- All precautions should be observed to protect the groundwater of the region.
- Please be advised that water softeners generate wastewaters that may require special limitations depending on local water quality considerations. Therefore if your water system improvements include water softeners, you are advised to contact the LDEQ Water Permits to determine if special water quality-based limitations will be necessary.
- Any renovation or remodeling must comply with LAC 33:III.Chapter 28, Lead-Based Paint Activities; LAC 33:III.Chapter 27, Asbestos-Containing Materials in Schools and State Buildings (includes all training and accreditation); and LAC 33:III.5151, Emission Standard for Asbestos for any renovations or demolitions.
- If any solid or hazardous wastes, or soils and/or groundwater contaminated with hazardous constituents are encountered during the project, notification to LDEQ's Single-Point-of-Contact (SPOC) at (225) 219-3640 is required. Additionally, precautions should be taken to protect workers from these hazardous constituents.

**Currently, \_\_\_\_\_ Parish is classified as attainment with the National Ambient Air Quality Standards and has no general conformity determination obligations.**

Please send all future requests to my attention. If you have any questions, please feel free to contact me at (225) 219-3954 or by email at [linda.hardy@la.gov](mailto:linda.hardy@la.gov).

Sincerely,

*Linda M. Hardy*

*Environmental Manager*

Louisiana Dept. of Environmental Quality

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**Appendix C**  
**8-Step Decision-Making Process**  
**and Letter from the City of New**  
**Orleans Floodplain**  
**Administrator**

**CITY OF NEW ORLEANS  
STREET AND ROAD REPAIRS  
RR3-DESIRE AREA GROUP A ROAD NETWORK INFRASTRUCTURE RECOVERY  
RESTORATION  
FEMA 1603-DR-LA**

**8-STEP PROCESS**

Executive Order 11988 - FLOODPLAIN MANAGEMENT  
Executive Order 11990 - WETLAND PROTECTION

**Date:** 1 February 2017

**Prepared by:** Laurel Rohrer (CTR), CFM, Environmental Protection Specialist

**Project:** On August 29, 2005, Hurricane Katrina generated high winds, heavy rain, and flooding in the City of New Orleans. This caused an accumulation of various types of debris on the streets and rights-of-way. Rain accumulation, in combination with debris blockage, saturated soils, and insufficient drainage, caused flooding and standing water in most of the parish/city. As a result of this event, the roadway system incurred damage to portions of the pavement, sidewalks, driveway aprons, curbs, and gutters, including locations within the Desire Neighborhood, New Orleans, Orleans Parish, Louisiana, 70126.

The current improved project request is to reconstruct and upgrade numerous street segments in the RR-3 Desire Area Group A Road Network (Project ID PP026 Project Number FEMA 2013-FEMA-5BC) to a level beyond their pre-storm condition. Prior to Hurricane Katrina, portions of these streets were already in a deteriorated condition. As a result, only certain sections were FEMA-eligible for storm-related repairs. Rather than leave these roads in an undesirable state, the Applicant wishes to completely reconstruct the blocks under consideration. All work would occur within previously disturbed rights-of-way.

Public Assistance grant-funded projects carried out in the floodplain or affecting the floodplain must be coordinated with the local floodplain administrator for a floodplain development permit prior to the undertaking and the action must be carried out in compliance with relevant, applicable, and required local codes and standards, thereby reducing the risk of future flood loss; minimizing the impacts of floods on safety, health, and welfare; and preserving and possibly restoring beneficial floodplain values as required by Executive Order (E.O.) 11988.

This project must be conducted in accordance with conditions for federal actions in the floodplain as set forth in E.O. 11988, *Floodplain Management* (U.S. President. 1977a), E.O. 11990, *Protection of Wetlands* (U.S. President. 1977b), and the implementing regulation found at 44 C.F.R. Part 9, *Floodplain Management and Protection of Wetlands*. These regulations apply to all Agency actions which have the potential to affect floodplains, wetlands, or their occupants, or which are subject to potential harm by location in floodplains.

## STEP 1

**Determine whether the proposed actions are located in a wetland and/or the 100-year floodplain (500-year floodplain for critical actions [44 C.F.R. § 9.4]), or whether they have the potential to affect or be affected by a floodplain or a wetland (see 44 C.F.R. § 9.7).**

The project is located in relation to floodplains as mapped by:

All streets that are involved in the proposed project are located in New Orleans, Orleans Parish, LA 70126; Effective DFIRM Panels: 22071C0118F, 22071C0231F, 22071C0119F, and 220710232F, dated 30 September 2016.

The majority of this project is located within a levee-protected area of the 100-year floodplain. The proposed work on France Road is located outside of the levee-protected area. Effective DFIRM Panels 22071C0118F, 22071C0231F, 22071C0119F, and 22071C0232F, dated 30 September 2016, indicate that portions of the project area are located within Flood Zone "Shaded X", an area levee-protected from the base flood but subject to the 0.2% annual chance flood, based upon shallow ponding only. Portions of the work would occur in Flood Zones AE EL -3.0 and AE EL 6. Ground elevations within the area are approximately -3.0 feet below sea level to 3.0 feet above sea level (North American Vertical Datum of 1988).

The project is not located in a wetland as identified by:

A review of the U.S. Fish and Wildlife National Wetland Inventory indicates the proposed project location is not located in a mapped wetland or U.S. waters.

## STEP 2

**Notify the public at the earliest possible time of the intent to carry out an action in a floodplain or wetland, and involve the affected and interested public in the decision making process (see 44 C.F.R. § 9.8).**

Applicable - Notice will be or has been provided by:

A Cumulative Public Notice was published in the New Orleans Times Picayune, Baton Rouge Advocate, Lafayette Daily Advertiser, Lake Charles American Press and Hammond Star on 7-9 November 2005.

## STEP 3

**Identify and evaluate practicable alternatives to locating the proposed action in a floodplain or wetland (including alternative sites, actions and the "no action" option) [see 44 C.F.R. § 9.9]. If a practicable alternative exists outside the floodplain or wetland, FEMA must locate the action at the alternative site.**

Applicable - Alternatives identified as described below:

- **Alternative 1: No Action** – No action would leave the community with diminished functioning of the damaged infrastructure. Additionally, this alternative would leave the damaged facilities and their environs in an unsafe condition, which would represent a safety hazard to the public and nearby properties.

- **Alternative 2: Repair of Damaged Street Sections to Pre-Hurricane Condition** – This alternative would repair the streets facilities back to their pre-storm configurations and conditions, with the addition of accessible ramps at street corners in compliance with the Americans with Disabilities Act (ADA) where required. Applicable codes, standards, and conditions to comply with the requirements of E.O. 11988 and the implementing regulations at 44 C.F.R. Part 9 would be included.

Although this alternative is technically feasible, it does not possess the same level of social support as Alternative 3, since unrepaired portions of the streets would remain in their deteriorated, pre-storm condition, or worse due to the passage of time since the hurricane. Relocation outside the floodplain would eliminate infrastructure where it is needed, depriving owners of access to properties currently served by the affected streets.

- **Alternative 3 (Proposed Action): Complete Reconstruction and Upgrading of Affected Streets and Sidewalks** – Under this alternative, infrastructure would be completely reconstructed at its original location in substantially the same footprint, but include applicable codes and standards upgrades plus ADA-compliant ramps, as well as necessary adjustments and/or relocations of storm sewers, manholes, and drain lines in order to improve drainage. In addition, reconstruction would include applicable codes, standards, and conditions to comply with the requirements of E.O. 11988 and the implementing regulations at 44 C.F.R. Part 9.

Reconstruction of these street segments at their original locations, with improvements, is a practicable option because it has been advanced by the Applicant to be a viable alternative that is economically feasible, socially acceptable, and determined by community leaders to serve the best interests of the entire community. Relocation outside the floodplain would eliminate infrastructure where it is needed, depriving owners of access to properties currently served by the affected streets.

#### **STEP 4**

**Identify the full range or potential direct or indirect impacts associated with the occupancy or modification of floodplains and wetlands and the potential direct and indirect support of floodplain and wetland development that could result from the proposed action (see 44 C.F.R. § 9.10).**

Applicable - Alternatives identified as described below:

**Alternative 2:** Repair in the current locations to pre-storm condition would result in restoration of the infrastructure and eliminate the hazards of unrepaired facilities; however, it would forego the opportunity to improve drainage and potentially reduce flooding as part of the project. This alternative would enable the City of New Orleans to restore streets in substantially the same footprint as the original facilities.

**Alternative 3:** Reconstruction in the current locations, with improvements, also would result in restoration of the infrastructure and eliminate the hazards of unrepaired facilities. It would allow the City of New Orleans to reconstruct infrastructure in substantially the same footprint as previously, but would afford the opportunity to improve drainage and potentially lessen future damage to nearby residences and public buildings.

A review of the natural environment, social concerns, and the economic aspects of the proposed project indicates that reconstruction of the streets is a practicable alternative and that no other practicable alternative has been identified outside the Special Flood Hazard Area.

#### **STEP 5**

**Minimize the potential adverse impacts and support to or within floodplains and wetlands to be identified under step # 4, restore and preserve the natural and beneficial values served by floodplains, and preserve and enhance the natural and beneficial values served by wetlands (see 44 C.F.R. § 9.11).**

Applicable - Mitigation measures identified in the SEA Document or as described below:

**Alternative 2:** Repair shall be in accordance with local floodplain ordinances, with applicable codes and standards applied to mitigate and minimize adverse effects (compliance with minimum National Flood Insurance Program standards and requirements).

**Alternative 3:** Reconstruction shall be in accordance with local floodplain ordinances, with applicable codes and standards applied to mitigate and minimize adverse effects (compliance with minimum National Flood Insurance Program standards and requirements). Because Alternative 3 also affords the opportunity to make drainage improvements, floodplain values would benefit.

#### **STEP 6**

**Reevaluate the proposed action to determine first, if it's still practicable in light of its exposure to flood hazards, the extent to which it will aggravate the hazards to others and its potential to disrupt floodplain and wetland values and second, if alternatives preliminarily rejected at step # 3 are practicable in light of the information gained in steps # 4 and # 5. FEMA shall not act in a floodplain or wetland unless it's the only practicable location.**

Applicable - Action proposed is located in the only practicable location as described below:

The proposed action is the chosen practicable alternative based upon a review of possible adverse effects on the floodplain and community and socioeconomic expectations. No disruption to floodplain or wetland values is anticipated.

#### **STEP 7**

**Prepare and provide the public with a finding and public explanation of any final decision that the floodplain or wetland is the only practicable alternative (see 44 C.F.R. § 9.12).**

Applicable - Finding is or will be prepared as described below:

An initial/final Cumulative Public Notice was published.

## **STEP 8**

**Review the implementation and post-implementation phases of the proposed action to ensure that the requirements of the order are fully implemented. Oversight responsibility shall be integrated into existing processes.**

Applicable - Approval conditioned on review of implementation and post-implementation phases to ensure compliance with the order(s).

Review the implementation and post-implementation phases of the proposed action to ensure that the requirements stated in § 9.11 are fully implemented.

Applicable - Oversight responsibility established as follows:

Oversight responsibility shall be integrated into existing processes and project completion in accordance with all applicable floodplain ordinances and codes and standards shall be verified at project close-out.

DEPARTMENT OF SAFETY AND PERMITS  
BUILDING INSPECTION DIVISION  
CITY OF NEW ORLEANS

MITCHELL J. LANDRIEU  
MAYOR

Dr. Jared E. Munster  
DIRECTOR

3/13/2017

Re: Infrastructure Recovery Program

The Department of Safety & Permits New Orleans has reviewed *The City of New Orleans Department of Public Works and Sewage & Water Board of New Orleans Joint Recovery Program* project for compliance with our Floodplain Ordinance, Chapter 78 of *The City Code of Ordinances*. The proposed work reviewed by this office will be in compliance with our floodplain ordinance. The scope of work for the Joint Recovery Program states that “All restored pavement and other roadway structures will typically be repaired or replaced to the existing elevation, with minor changes as necessary to maintain positive drainage and minimize pooling water along paths of travel and street surfaces. The planned activities will have no significant impact on the slope of local topography or lands/properties bordering the project limits.”

Respectfully,



Jerome Landry, CFM

Floodplain Administrator

**Appendix D**  
**Public Notice, FONSI**



**PUBLIC NOTICE  
FEMA NOTICE OF AVAILABILITY**

**DRAFT SUPPLEMENTAL ENVIRONMENTAL ASSESSMENT  
RR3-DESIRE AREA GROUP A ROAD NETWORK INFRASTRUCTURE RECOVERY  
RESTORATION (PROJECT ID: RR026; PROJECT NUMBER FEMA 2013-FEMA-5BC)  
NEW ORLEANS, ORLEANS PARISH, LOUISIANA**

Interested parties are hereby notified that the Federal Emergency Management Agency (FEMA) has prepared a draft Supplemental Environmental Assessment (SEA) and a draft Finding of No Significant Impact (FONSI) for a proposed street reconstruction project in New Orleans, Orleans Parish, Louisiana. In order to comply with the provisions of the National Environmental Policy Act of 1969 (NEPA) and the President's Council on Environmental Quality (CEQ) regulations implementing NEPA (Title 40 of the Code of Federal Regulations [C.F.R.] Parts 1500-1508) (Regulations for Implementing the Procedural Provisions of the National Environmental Policy Act 2005), a Programmatic Environmental Assessment (PEA), which would encompass the project now under review, was developed by FEMA. The Programmatic EA was entitled "The City of New Orleans Sewerage and Water Board of New Orleans Joint Infrastructure Recovery Request Project" (JIRR). This PEA concluded with a Finding of No Significant Impact (FONSI), dated 16 June 2016.

Hurricane Katrina made landfall on 29 August 2005, near the town of Buras, Louisiana, as a Category 3 storm with sustained winds of more than 125 miles per hour. The accompanying high winds, heavy rains, and flooding caused an accumulation of various types of debris on the streets and rights-of-way of New Orleans. Rain accumulation, in combination with debris blockage, saturated soils, and insufficient drainage, caused flooding and standing water in most of the parish/city. As a result of this event, the roadway system incurred considerable damage.

The project scope of work currently under consideration for FEMA grant funds consists of segments of numerous streets in the Desire Neighborhood of New Orleans, Louisiana (RR3-Desire Area Group A Project ID: RR026; Project Number FEMA 2013-FEMA-5BC). Prior to Hurricane Katrina, portions of these streets were already in a deteriorated condition. As a result, only certain sections were FEMA-eligible for storm-related repairs. Although these streets were not in good repair before the storm, due to the aftereffects of the hurricane, they have since worsened considerably. Rather than leave these roads in an undesirable state, the Applicant wishes to completely reconstruct the blocks under consideration to a level beyond their pre-storm condition.

The planned work would involve the complete replacement of the areas of the street blocks specified in the project construction plans down to the sub-grade, instead of simply repairing the FEMA-eligible sections, and would also include new curbs, as well as ADA-compliant ramps where they do not currently exist. As necessary, storm sewers, manholes, and drain lines would be adjusted, relocated, or removed. All work would occur within previously disturbed rights-of-way. The construction scope may also incorporate a combination of utility infrastructure structures/components, including but not limited to, minor drainage (storm sewer) (< 36" in diameter), water, and/or sewerage (sanitary sewer) mains and service lateral and house connection repairs, relocations/offsets, or replacements; utility manhole, drop manhole, catch basin, drop inlet, conflict box, and other utility structure adjustments, repairs or replacements, including associated trench excavation, bedding, backfill and pavement restoration or pipe boring jacking operations and associated pit restoration; water and sewer meter, valve, hydrant, and other utility system appurtenances and components cleaning, adjustments, relocations, repairs or replacements within the public right-of-way or publically maintained servitude or easement.

The southwest portion of the Desire Area Group A Road Network project area overlies the footprint of the Agriculture Street Landfill (EPA Registry ID: 110009336557), an active municipal landfill for the New Orleans area from approximately 1909 to 1958. During its operation, the landfill received municipal wastes as well as ash from nearby incinerators. Beginning in the 1970s and continuing into the late 1980s, the northeastern section of the landfill site, approximately 47 acres, was developed for residential use. Developments included private single- and multi-family residences, a shopping center, a community center, an electrical substation, and an elementary school that included a playground complex. The Agriculture Street Landfill site was placed on the National Priority List (also known as Superfund sites) in 1994 by the USEPA after investigations recorded elevated levels of contaminants consisting of lead, arsenic, and poly-aromatic hydrocarbons in the soil. A series of removal actions, or short-term cleanups, addressed remediation of threats to human health and the environment. The remedy for subsurface contamination at the Agriculture Street Landfill Superfund Site includes a subsurface geotextile mat over contaminated material left in place. The geotextile mat is covered by 18 inches of clean soil and a vegetative cover in the rights-of-ways. No waste source material was removed from beneath roadways, sidewalks, parking areas, or building foundation slabs.

The purpose of this draft SEA is to analyze potential environmental impacts of the proposed project that require additional site-specific analysis. FEMA will use the findings in this draft SEA in order to determine whether a FONSI is appropriate or whether preparation of an Environmental Impact Statement (EIS) is warranted. The draft SEA examines a preferred action and two alternatives. Therefore, FEMA will consider the following: a “No Action Alternative”; the Preferred Action Alternative, which is to completely reconstruct the segments of the streets and sidewalks under consideration; and an Alternative Action, which is to repair the streets to their pre-storm condition. The draft FONSI is FEMA’s finding that the Preferred Action will not have a significant effect on the human and natural environment.

The draft SEA and draft FONSI are available for review at the New Orleans Main Public Library, located at 219 Loyola Avenue, New Orleans, Louisiana 70112 (hours of operation are 10:00 a.m. to 8:00 p.m. on Mondays-Thursdays, 10:00 a.m. to 5:00 p.m. on Fridays-Saturdays, and 1:00 p.m. to 5:00 p.m. on Sundays); and the Norman Mayer Library located at 3001 Gentilly Boulevard New Orleans, LA 70122 (hours of operation are 10:00 a.m. to 8:00 p.m. on Mondays-Thursdays, 10:00 a.m. to 5:00 p.m. on Fridays-Saturdays, and 1:00 p.m. to 5:00 p.m. on Sundays). The documents can also be downloaded from FEMA’s website at <http://www.fema.gov/media-library/search/Desire>. A public notice for the project will be published on Friday, October 27, 2017; Wednesday, November 1, 2017, and Friday, November 3, 2017 in the Times-Picayune, the journal of record for Orleans Parish. Additionally, there will be a 30-day comment period, beginning on Saturday, October 28, 2017, and concluding on Tuesday, November 28, 2017 at 4:00PM. Written comments may be mailed to: DEPARTMENT OF HOMELAND SECURITY - FEMA EHP - Desire Area Road Network, 1500 MAIN STREET, BATON ROUGE, LOUISIANA, 70802. Comments also may be e-mailed to [fema-noma@dhs.gov](mailto:fema-noma@dhs.gov) or faxed to (225) 346-5848. Verbal comments will be accepted or recorded at (225) 267-2962. If no substantive comments are received, the draft SEA and associated FONSI will become final.



**FEMA**

**U.S. Department of Homeland Security  
Federal Emergency Management Agency  
Region VI**  
Louisiana Recovery Office  
1500 Main Street  
Baton Rouge, Louisiana 70802

**DRAFT FINDING OF NO SIGNIFICANT IMPACT**  
**RR 026-DESIRE AREA GROUP A ROAD NETWORK INFRASTRUCTURE RECOVERY  
RESTORATION**  
**NEW ORLEANS, ORLEANS PARISH, LOUISIANA**  
***FEMA-1603-DR-LA***

**BACKGROUND**

Hurricane Katrina made landfall on 29 August 2005, near the town of Buras, Louisiana, as a Category 3 storm with sustained winds of more than 125 miles per hour. The accompanying high winds, heavy rains, and flooding caused an accumulation of various types of debris on the streets and rights-of-way of New Orleans. Rain accumulation, in combination with debris blockage, saturated soils, and insufficient drainage, caused flooding and standing water in most of the parish/city. As a result of this event, the roadway system incurred considerable damage.

In order to comply with the provisions of the National Environmental Policy Act of 1969 (NEPA) and the President’s Council on Environmental Quality (CEQ) regulations implementing NEPA (Title 40 of the Code of Federal Regulations [C.F.R.] Parts 1500-1508) (Regulations for Implementing the Procedural Provisions of the National Environmental Policy Act 2005), a Programmatic Environmental Assessment (PEA), which would encompass the project now under review, was developed by FEMA. The Programmatic EA was entitled “The City of New Orleans Sewerage and Water Board of New Orleans Joint Infrastructure Recovery Request Project” (JIRR). This PEA concluded with a Finding of No Significant Impact (FONSI), dated 16 June 2016.

The Applicant has requested, via the State of Louisiana Governor’s Office of Homeland Security and Emergency Preparedness (LA GOHSEP); that FEMA provide disaster assistance through the granting of federal funds under the auspices of the Robert T. Stafford Disaster Relief and Emergency Assistance Act (Stafford Act), P.L. 93-288, as amended. Section 406 of the Stafford Act authorizes FEMA’s Public Assistance Program to fund projects to repair, restore, and replace facilities damaged as a result of the declared event. The Applicant has determined that repair of the original damaged facilities to their pre-Hurricane Katrina specifications would not be in the best interest of the community, however. Consequently, in accordance with 44 C.F.R. § 206.203(d), CNO has requested an Improved Project. An Improved Project is any project where an applicant chooses to make additional improvements to an existing facility in the course of making disaster repairs. An Improved Project restores the facility and maintains its function, either at the current site or in another existing or new facility.

For the current request, the Applicant proposes to reconstruct a numerous street segments of the RR 026-Desire Area Group A Road Network (Project ID: RR026; Project Number FEMA 2013-FEMA-5BC). Prior to Hurricane Katrina, portions of these streets were already in a deteriorated condition. As a result, only certain sections were FEMA-eligible for storm-related repairs. Although these streets were not in good repair before the storm, due to the aftereffects of the hurricane, they have since worsened considerably. Rather than leave these roads in an undesirable state, the Applicant wishes to completely reconstruct the affected areas of the blocks under consideration to a level beyond their pre-storm condition.

The planned work would involve the complete replacement of the specified street blocks down to the sub-grade, instead of simply repairing the FEMA-eligible sections, and would also include new curbs, as well as ADA-compliant ramps where they do not currently exist. As necessary, storm sewers, manholes, and drain lines would be adjusted, relocated, or removed. All work would occur within previously disturbed rights-of-way.

In accordance with the environmental review guidelines of the Council of Environmental Quality (CEQ) found at 40 C.F.R. Part 1500, as well as other relevant regulations and policies, HUD evaluated an Environmental Assessment (EA) submitted by the City of New Orleans. The purpose of FEMA's Supplemental EA (SEA) was to analyze potential environmental impacts of the proposed project that require additional site-specific analysis and to determine whether a FONSI was appropriate or whether preparation of an Environmental Impact Statement (EIS) was warranted. Although the three alternatives presented in the JIRR PEA are described somewhat differently, they are similar in intent to the alternatives analyzed in this SEA. Therefore, FEMA has consider the following: a No Action Alternative; the Preferred Action Alternative, which is to completely reconstruct the project street segments under consideration; and an Alternative Action, which is to repair the streets to their pre-storm condition.

## **FINDINGS**

FEMA has made the following determinations from the information contained in the JIRR PEA and FEMA's SEA:

The proposed project has been evaluated for significant adverse impacts to geology, soils, water resources (surface water, groundwater, and wetlands), floodplains, coastal resources, air quality, biological resources (vegetation, fish and wildlife, federally-listed threatened or endangered species and critical habitats), cultural resources, socioeconomics (including minority and low income populations), safety, noise, and hazardous materials. The results of these evaluations, as well as consultations and input from other federal and state agencies, are presented in the EA and SEA. During the construction period, short-term impacts to water quality, air quality, and noise are anticipated. All short-term impacts require conditions to minimize and mitigate adverse effects to the proposed project site and surrounding areas.

## **CONDITIONS**

The following conditions must be met as part of the implementation of the project. Failure to comply with these conditions may jeopardize federal funds:

- Follow applicable state, territory, tribal, and local permitting requirements for construction;
- Fugitive dust from earth moving activities, storage piles, disturbed surface areas, unpaved areas and other construction related activities will be controlled using one or more of the following measures: watering, coverings, wind fencing, covering of haul beds, wheel washers, vegetation, restricted site access, and/or street sweeping;
- Enclose or water down exposed dirt storage piles;
- Minimize the disturbed area and preserve vegetation to the maximum extent possible;
- Maintain topsoil whenever possible;
- Phase construction activities to the extent possible;

- The contractor shall prepare and maintain a Storm Water Pollution Prevention Plan (SWPPP), which describes in specific details the Contractor's program to prevent contamination of the storm water collection system for this project. The subgrantee's Stormwater Pollution Prevention Plan and its related conditions is located in Appendix C. All project will have a SWPPP that is consistent with the Municipal Separate Storm Sewer System (MS4) Permit for the Orleans Parish area and contractors will be required to take every reasonable precaution to prevent fuels, oils, asphalts, concrete, chemical, and other harmful materials from entering the drainage system and/or ground water table in accordance with the Section C204 of the DPW General Specifications. Storm Water Control Measures (SCMs) may include storm drain system protection, spill prevention and clean-up, employee training, project site housekeeping, and temporary erosion controls. Residue from dust collectors, concrete mixers, vehicles wash racks, an entrance/exits debris will be disposed of in an approved disposal facility;
- Establish stabilized construction entrances/exits (e.g. large crushed rocks, stone pads, steel wash racks, hose-down systems, and pads);
- Work will primarily be performed between 7:00am and 5:00pm, Monday through Friday. subgrantee should limit construction activities, including operation of heavy machinery, to normal business hours (M-F 7am-5pm). Contractors will be required to conform to noise level restrictions as established in Section 66-202 of the City of New Orleans Municipal Code (50-75 dBA, depending on the zoning of the area). All construction machinery and vehicles shall be equipped with practical sound muffling devices and operated in a manner to cause the least noise, consistent with efficient performance of work. Activities near noise and vibration sensitive areas such as churches, hospitals, and schools will be minimized as much as practically possible.
- Ensure adequate maintenance of equipment, including proper engine maintenance, adequate tire inflation, and proper maintenance of pollution control devices;
- Existing trees and other vegetation within the construction area that may be impacted within the public right-of-way will be protected on a location-by-location basis. In general, the Recovery Roads Program will attempt to maintain the existing healthy canopy in place. Protective measures may include fencing and signage. Any trimming, root pruning, or removal of any tree or stump within the public right-of-way due to construction will be minimized as much as possible and be conducted under the supervision of a licensed arborist. Any trees removed from the construction site within the public right-of-way will be relocated if possible to an area in close proximity to the project site. Trenching within the critical root zone of a tree of a tree will not be permitted on tree roots or within the canopy limits unless approved by Parks and Parkways. Existing vegetation or cover disturbed by construction activities will be seeded and fertilized;
- At least 48 hours notice will be given in advance of any street closures and anticipated areas of low water pressure to residents and emergency response agencies;
- The subgrantee is responsible for acquiring any Section 401/404 Clean Water Act (CWA) permits and/or Section 10 permits under the Rivers and Harbors Act. When these permits are required, subgrantee must maintain documentation of compliance with applicable Nationwide Permit (NWP), exemption from requirements, or obtain individual permits from U.S. Army Corps of Engineers prior to construction, unless exempt by the NWP from pre-construction notification. The subgrantee shall comply with all conditions of the required permit. All

coordination pertaining to these activities should be documented and copies forwarded to the state and FEMA as part of the permanent project files;

- Care should be taken to ensure that any potentially hazardous or toxic materials used for, generated, or encountered during pressure washing, cleaning, or any other construction activities, do not impact groundwater, waterways, wetlands, or nearby stormwater conveyance systems. Potentially hazardous and toxic wastes generated or encountered during these processes should be isolated, contained, and disposed of in an approved manner. This condition includes petroleum products and by-products use in machinery and equipment. The subgrantee shall be responsible for complying with all relative rules of the Clean Water Act (CWA). No activity performed should have any impact on waters of the state;
- Appropriate measures for the proper assessment, remediation, management, and disposal of any contamination discovered in the course of construction activities must be initiated in accordance with applicable federal, state, and local regulations. The contractor is required to take appropriate actions to prevent, minimize, and control the spill of hazardous materials at the proposed site;
- Contractor and/or sub-contractors must properly handle, package, transport and dispose of hazardous materials and/or waste in accordance with all local, state, and federal regulations, laws, and ordinances, including all Occupational Safety and Health Administration worker exposure regulations covered within 29 CFR Parts 1910 and 1926;
- All work affecting the Agriculture Street Landfill Superfund Site must be undertaken in accordance with the Consent Decree between the City and USEPA including the *Technical Abstract for Utility Operations within the Agriculture Street Landfill Superfund Site*;
- A spill prevention and emergency response plan (SPERP) will be required for all construction contractor groups. The SPERP will need to identify at a minimum: emergency contact numbers for local, state and federal environmental and public health agencies, material safety data sheets (MSDS) for all hazardous substances, hazardous material inventory, spill prevention plan, spill response plan/emergency response plan, spill response equipment (e.g. absorbent pads, disposal containers) and reporting requirements;
- If any asbestos containing materials (ACM) and/or other hazardous materials are found during remediation or repair/replacement activities, the subgrantee shall comply with all federal, state, and local abatement and disposal requirements under the National Emissions Standards for Hazardous Air Pollutants (NESHAP) and Louisiana Administrative Code 33:III 5151. Demolition activities related to possible asbestos-containing materials (PACM) must be inspected for ACM/PACM where it is safe to do so. Should ACM be present, the subgrantee is responsible for ensuring proper disposal in accordance with the previously referenced administrative orders. Regardless of the asbestos content, the subgrantee is responsible for ensuring that all renovation or demolition activities are coordinated with the LDEQ to the extent required prior to initiating work. All documentation pertaining to these activities and subgrantee compliance with any conditions should be forwarded to the state and FEMA for inclusion in the permanent project files;
- Unusable equipment, debris, and material shall be disposed of in an approved manner and location. The subgrantee must handle, manage, and dispose of petroleum products, hazardous materials, and/or toxic waste in accordance with all local, state, and federal agency

- requirements. All coordination pertaining to these activities should be documented and copies forwarded to the state and FEMA as part of the permanent project files;
- Contractors will be responsible for maintaining, securing, and protecting any staging area, containers, or bins set up for construction purposes. The storage of any equipment or materials will not be permitted immediately adjacent to canals or other water bodies, trees, transportation or utility servitudes, or private property without prior approval from the respective owner or regulatory agency. The contractors will be responsible to ensure all equipment arriving at or departing from the construction limits remains clean and to take any necessary measures to ensure foreign materials or debris is not tracked or deposited on opened streets or outside the construction site limits. The contractor will also be required to store and handle any fuels or other hazardous material in accordance with OSHA requirements, and ensure any such materials required at a construction site be adequately secured and protected at all times;
  - In order to minimize indirect impacts (erosion, sedimentation, dust, and other construction-related disturbances) to nearby waters of the U.S. and surrounding drainage areas, the contractor must ensure compliance with all local, state, and federal requirements related to sediment control, disposal of solid waste, control and containment of spills, and discharge of surface runoff and stormwater from the site. All documentation pertaining to these activities and subgrantee compliance with any conditions should be forwarded to LA GOHSEP and FEMA for inclusion in the permanent project files;
  - The subgrantee shall ensure that best management practices are implemented to prevent erosion and sedimentation to surrounding, nearby or adjacent wetlands. This includes equipment storage and staging of construction to prevent erosion and sedimentation to ensure that wetlands are not adversely impacted per the clean water act and executive order 11990;
  - The Louisiana Department of Natural Resources (LDNR) requires that a complete Coastal Use Permit (CUP) Application package (Joint Application Form, location maps, project illustration plats with plan and cross section views, etc.) along with the appropriate application fee, be submitted to their office prior to construction. The subgrantee is responsible for coordinating with and obtaining any required CUPs or other authorizations from the LDNR OCM's Permits and Mitigation Division prior to initiating work. The subgrantee must comply with all conditions of the required permits. All documentation pertaining to these activities and subgrantee compliance with any conditions should be forwarded to the state and FEMA for inclusion in the permanent project files;
  - Coordination with the appropriate local levee district(s) and USACE would be required for work within 1,500 feet of Mississippi River levees and/or within 300 feet of hurricane protection levees. CNO and SWBNO are responsible for obtaining any required permits from these districts and following any conditions imposed;
  - Avoid engaging in construction activities within 660 feet of a bald or golden eagle nest during nesting and fledging where there is no visual buffer or 330 feet where there is a visual buffer, as nesting eagles are quite sensitive to human activities during these times;
  - No project may be built to a floodplain management standard that is less protective than what the community has adopted in local ordinances through their participation in the NFIP. FEMA PA-funded projects carried out in the floodplain must be coordinated with the local floodplain administrator for a floodplain development permit prior to the undertaking, and the action must be carried out in compliance with relevant, applicable, and required local codes and standards and thereby, will reduce the risk of future flood loss, minimize the impacts of floods on safety,

- health, and welfare, and preserve and possibly restore beneficial floodplain values as required by EO 11988. Coordination pertaining to these activities and subgrantee compliance with any conditions should be documented and copies forwarded to the Louisiana Governor's Office of Homeland Security and Emergency Preparedness (GOHSEP) and FEMA for inclusion in the permanent project files;
- Adverse effects must be minimized in accordance with FEMA's minimization standards in 44 CFR § 9.11. Treatment measures would be required to reduce adverse impacts below the level of significance;
  - Louisiana law (Part VII of Chapter 8 of Title 40, and the sections as R.S. 40:1749.11 to 40:1749.26) requires excavators and demolishers to call a regional notification center prior to beginning work. Prior to any excavation or demolition, each excavator or demolisher, including cable television owners or operators, shall serve telephonic notice of the intent to excavate or demolish to the regional notification center serving the area in which the proposed excavation or demolition is to take place. Such notice shall be given to the notification center at least 96 hours, but not more than 120 hours (excluding weekends and holidays) prior to the commencement of any excavation or demolition activity. See entire laws at [www.laonecall.com](http://www.laonecall.com) or call 1-800-272-3020 for more information;
  - This project involves the modification of a public structure that may contain surfaces coated with lead-based paint. The subgrantee is responsible complying with all local, state, and federal laws and ensuring that project activities are coordinated with the Louisiana Department of Environmental Quality for abatement activities;
  - The subgrantee is responsible for obtaining and/or complying with all federal, state and local permits, ordinances and/or requirements for the collection, handling, storage, transportation and disposal of any medical, hazardous, biological, radiological, pharmaceutical or toxic related waste or debris. Equipment such as ice machines, refrigerators, generators, air conditioning units, computers, and televisions may contain chlorofluorocarbons (CFCs), used oil, diesel and other petroleum products, mercury switches, used oil filters, fuel filters, and batteries. The subgrantee shall handle, manage, and dispose of damaged materials and equipment that may be hazardous waste, universal waste, and hazardous materials in accordance with the requirements of local, state, and federal regulations;
  - If your project results in a discharge to waters of the state, submittal of a Louisiana Pollutant Discharge Elimination System (LPDES) application may be necessary;
  - All waste is to be transported by an entity maintaining a current "waste hauler permit" specifically for the waste being transported, as required by Louisiana Department of Transportation and Development (DOTD), LDEQ, and other regulations;
  - Disposal of demolition debris must be in accordance with all federal, state, and local laws, regulations, and rules. Prior to disposal, the subgrantee must identify and provide to FEMA and GOHSEP the waste disposal site, including the complete name, location, telephone number, and contact person of the facility. Due to the presence of the Agriculture Street Landfill Superfund site and the potentially hazardous nature of material to be removed from the site, all construction and demolition debris must be disposed in a Type I Industrial Landfill. The disposal facility must be permitted by the State of Louisiana Department of Environmental Quality Permit Support Division to receive Regulated Asbestos Containing Material. Waste must be packaged, labeled, manifested, and transported in accordance with LDEQ regulations



and requirements. Further, the subgrantee must comply with Best Management Practices for Demolition, Construction, and Renovation Sites Under Five Acres (See Appendix C);

- To minimize worker and public health and safety risks from project construction and closure, all construction and closure work must be done using qualified personnel trained in the proper use of construction equipment, including all appropriate safety precautions. Additionally, all activities must be conducted in a safe manner in accordance with the standards specified in OSHA regulations;
- Appropriate signage and barriers shall be in place prior to construction activities in order to alert pedestrians and motorists of project activities and traffic pattern changes. The contractor will implement traffic control measures, as necessary. This shall include Subgrantee 24-hour emergency contact information;
- Subgrantee is responsible for maintaining construction site perimeter fencing where possible;
- The subgrantee and its contractor(s) must take all reasonable precautions to control construction site access during project implementation, including posting appropriate signage and fencing, where possible, to minimize foreseeable potential public safety concerns. All activities shall be conducted in a safe manner in accordance with OSHA work zone traffic safety requirements. Truck and equipment routes must be kept free of construction debris;
- The subgrantee and its contractor(s) are responsible for implementing all traffic control and warning in accordance with the Manual of Uniform Traffic Control Devices, including placing signs and signals in advance of construction activities in order to alert pedestrians and motorists of the upcoming work and traffic pattern changes. Subgrantee is responsible for compliance with Section C129, Temporary Signs, Barricades Pavement Markings, Construction Signing, Traffic Maintenance and Public Safety (See Appendix C);
- Subgrantee will perform all Treatment Measures identified by FEMA in consultation with SHPO and other consulting parties through the Section 106 review to offset any adverse effects;
- Subgrantee will implement an **Inadvertent Discovery Clause** to account for unanticipated discoveries. It shall read: If during the course of work, archaeological artifacts (prehistoric or historic) are discovered, the subgrantee shall stop work in the vicinity of the discovery and take all reasonable measures to avoid or minimize harm to the finds. The subgrantee shall inform their Public Assistance (PA) contacts at FEMA, who will in turn contact FEMA Historic Preservation (HP) staff. The subgrantee will not proceed with work until FEMA HP completes consultation with the SHPO, and others as appropriate;
- Subgrantee will implement a **Louisiana Unmarked Human Burial Sites Preservation Act** discovery provision, as well. It shall read: If human bone or unmarked grave(s) are present within the project area, compliance with the Louisiana Unmarked Human Burial Sites Preservation Act (R.S. 8:671 et seq.) is required. The subgrantee shall notify the law enforcement agency of the jurisdiction where the remains are located within twenty-four (24) hours of the discovery. The subgrantee shall also notify FEMA and the Louisiana Division of Archaeology at 225-342-8170 within seventy-two (72) hours of the discovery;
- If the project results in a discharge of wastewater to an existing wastewater treatment system, that wastewater treatment system may need to modify its LPDES permit before accepting the additional wastewater;

- All precautions should be observed to control nonpoint source pollution from construction activities. LDEQ has stormwater general permits for construction areas equal to or greater than one acre. It is recommended that you contact the LDEQ Water Permits Division at (225) 219-9371 to determine if your proposed project requires a permit.

***General comments/conditions provided by LDEQ:***

- If your project will include a sanitary wastewater treatment facility, a Sewage Sludge and Biosolids Use or Disposal Permit is required. An application or Notice of Intent will be required if the sludge management practice includes preparing biosolids for land application or preparing sewage sludge to be hauled to a landfill. Additional information may be obtained on the LDEQ website at <http://www.deq.louisiana.gov/portal/tabid/2296/Default.aspx> or by contacting the LDEQ Water Permits Division at (225) 219-9371;
- All precautions should be observed to protect the groundwater of the region;
- Please be advised that water softeners generate wastewaters that may require special limitations depending on local water quality considerations. Therefore if your water system improvements include water softeners, you are advised to contact the LDEQ Water Permits to determine if special water quality-based limitations will be necessary;
- If any solid or hazardous wastes, or soils and/or groundwater contaminated with hazardous constituents are encountered during the project, notification to LDEQ's Single-Point-of-Contact (SPOC) at (225) 219-3640 is required. Additionally, precautions should be taken to protect workers from these hazardous constituents;
- Any renovation or remodeling must comply with LAC 33:III.Chapter 28, Lead-Based Paint Activities; LAC 33:III.Chapter 27, Asbestos-Containing Materials in Schools and State Buildings (includes all training and accreditation); and LAC 33:III.5151, Emission Standard for Asbestos for any renovations or demolitions.

**CONCLUSION**

The results of these evaluations, as well as consultations and input from other federal and state agencies, are presented in the SEA and appendices. Based on the information analyzed, FEMA has determined that the implementation of the proposed action would not result in significant adverse impacts to the quality of the natural and human environment. In addition, the proposed project does not appear to have the potential for significant cumulative effects when combined with past, present, and reasonably foreseeable future actions. As a result of this FONSI, an Environmental Impact Statement will not be prepared (per 44 C.F.R. § 10.9) and the proposed project as described in the SEA may proceed.

## APPROVALS

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Jerame J. Cramer, Date  
Environmental Liaison Officer  
LRO – 1603/1607-DR-LA

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Thomas M. (Mike) Womack, Date  
Director of Louisiana Recovery Office  
FEMA-1603/1607-DR-LA