

# CONSTRUCTION PLANS FOR HAEIDD LIFT STATION AND FORCE MAIN IMPROVEMENTS [FY 2024]

for the  
**CITY OF HAMMOND, LOUISIANA**

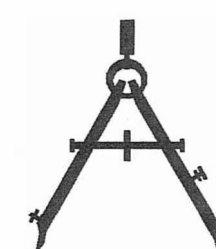
Pete Panepinto, Mayor

COUNCIL:

Kip Andrews, President  
Carlee White Gonzales  
Sam DiVittorio  
Steve Leon  
Devon Wells

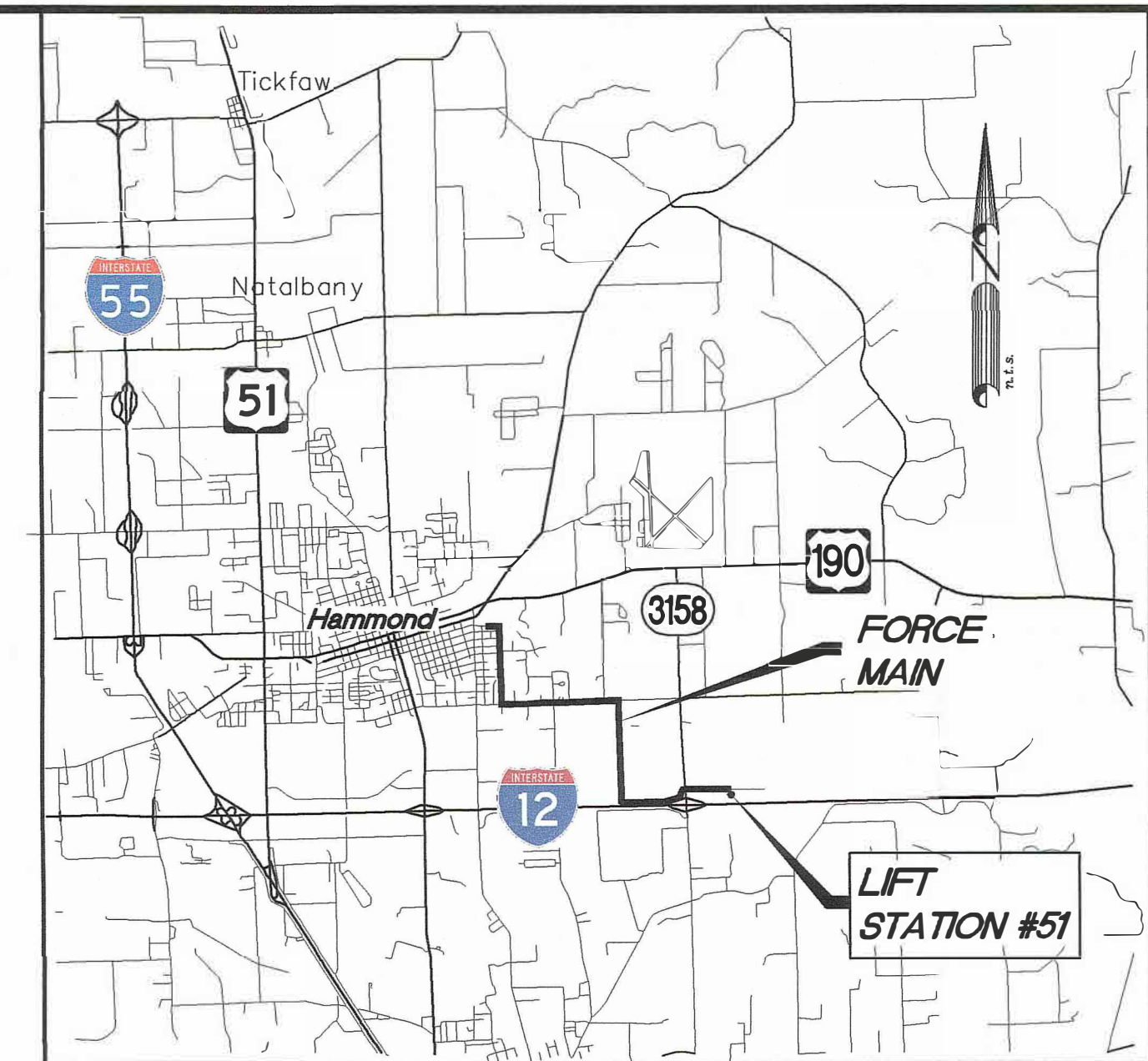
Lisa Cockerham, Clerk of the Council

**MARCH 21, 2024**



Prepared by:  
**Spangler Engineering, LLC**  
Consulting Civil Engineers

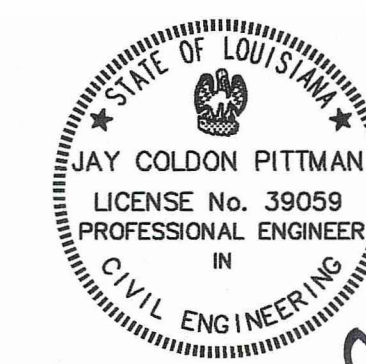
214 S.W. RAILROAD AVENUE  
P.O. BOX 1374  
HAMMOND, LOUISIANA 70404  
(985) 542-8665 FAX: (985) 542-0046



VICINITY MAP  
NTS

## INDEX

TITLE SHEET	1
OVERALL PROJECT LOCATION MAP	2
FORCE MAIN ROUTE / INSTALLATION PLANS	3-21
HAEIDD L.S. (#51) ENLARGED SITE / DETAILS	22, 23
STANDARD CONSTRUCTION DETAILS	24
ELECTRICAL SITE PLAN & DETAILS	E1

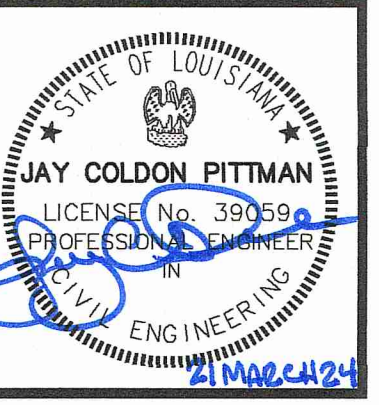
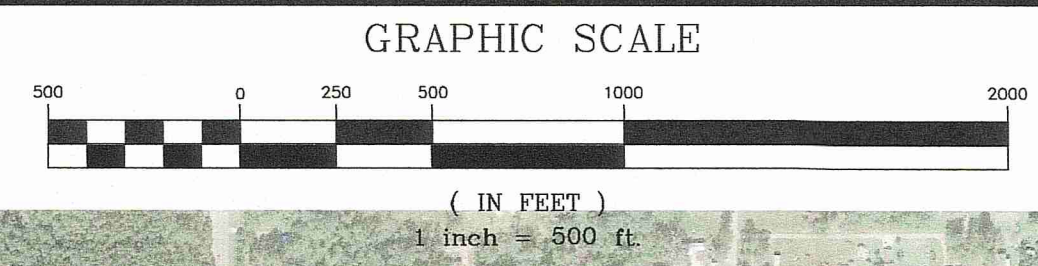


Recommended: Jay Colton Pittman **21 MARCH 24**  
Jay Colton Pittman, P.E. Date

Approved: Pete Panepinto **21 MARCH 24**  
Pete Panepinto, Mayor Date

Approved: Guy Palermo **21 March 24**  
Guy Palermo, Superintendent Water & Sewer Dept. Date

SET NO. \_\_\_\_\_



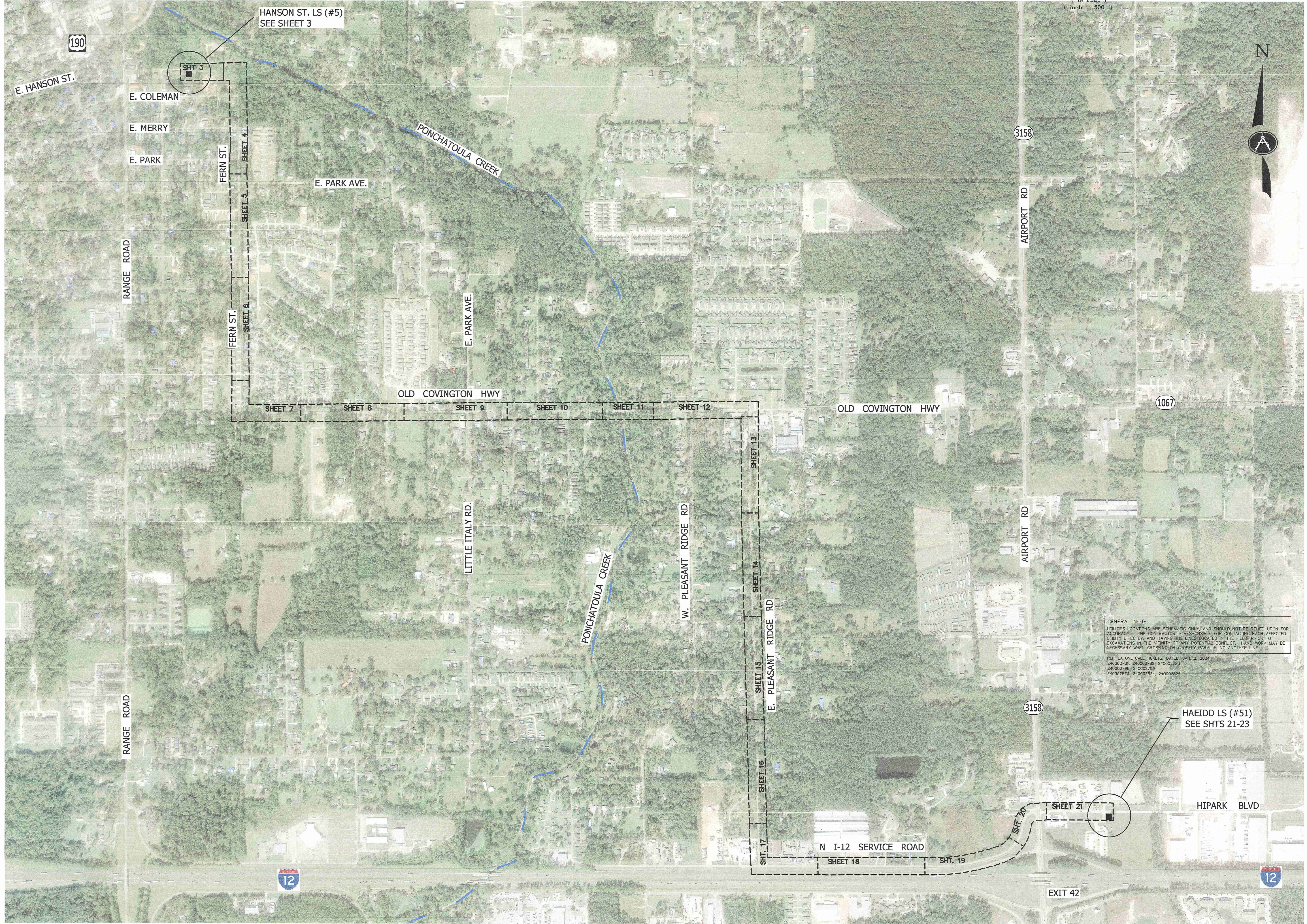
SCALE: 1" = 500'  
DATE: 3-21-2024  
DRAWN: RDH  
CHECKED: J.C.P.  
REVISED:

OVERALL PROJECT MAP

HAEIDD LIFT STATION AND  
FORCE MAIN IMPROVEMENTS  
[FY 2024]  
for the  
CITY OF HAMMOND

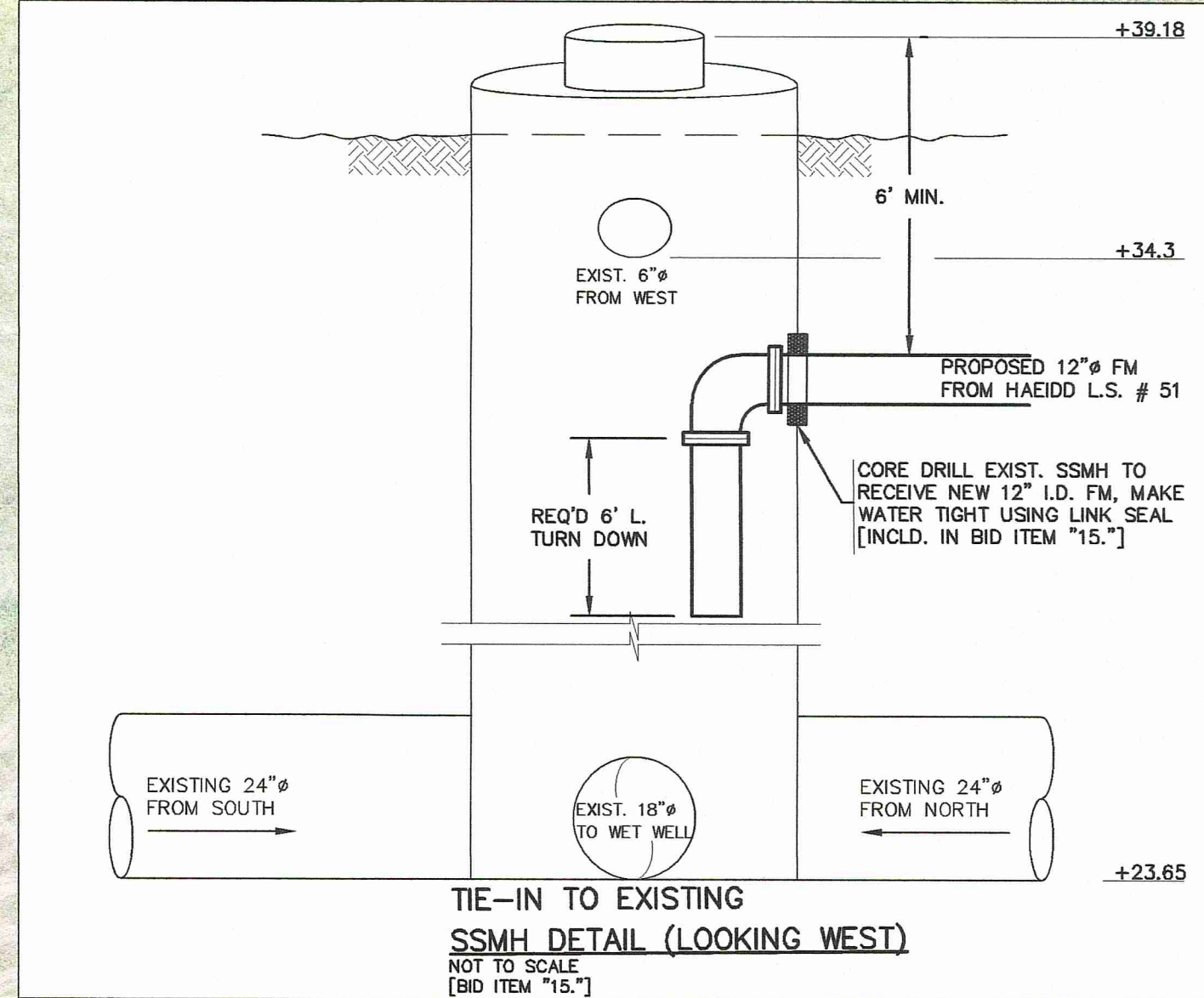
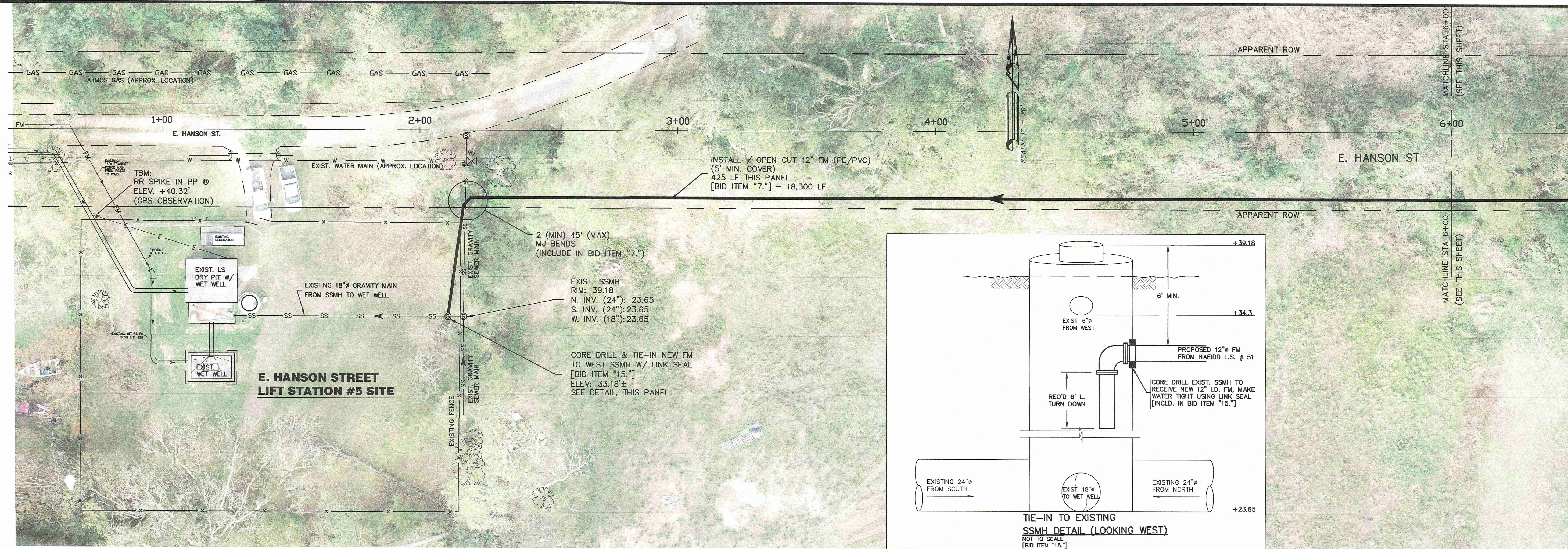
**Spangler Engineering, LLC**  
CONSULTING CIVIL ENGINEERS  
214 S.W. RAILROAD AVENUE  
P.O. BOX 1374  
HAMMOND, LOUISIANA 70404  
(985) 542-8665 FAX: (985) 542-0046

SHEET  
**2**



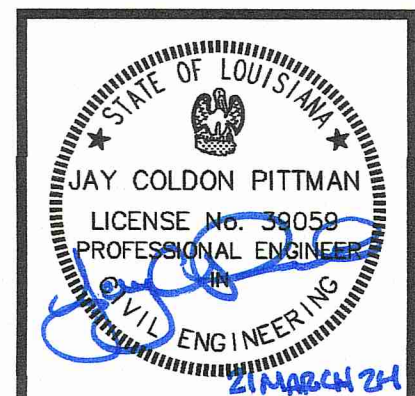
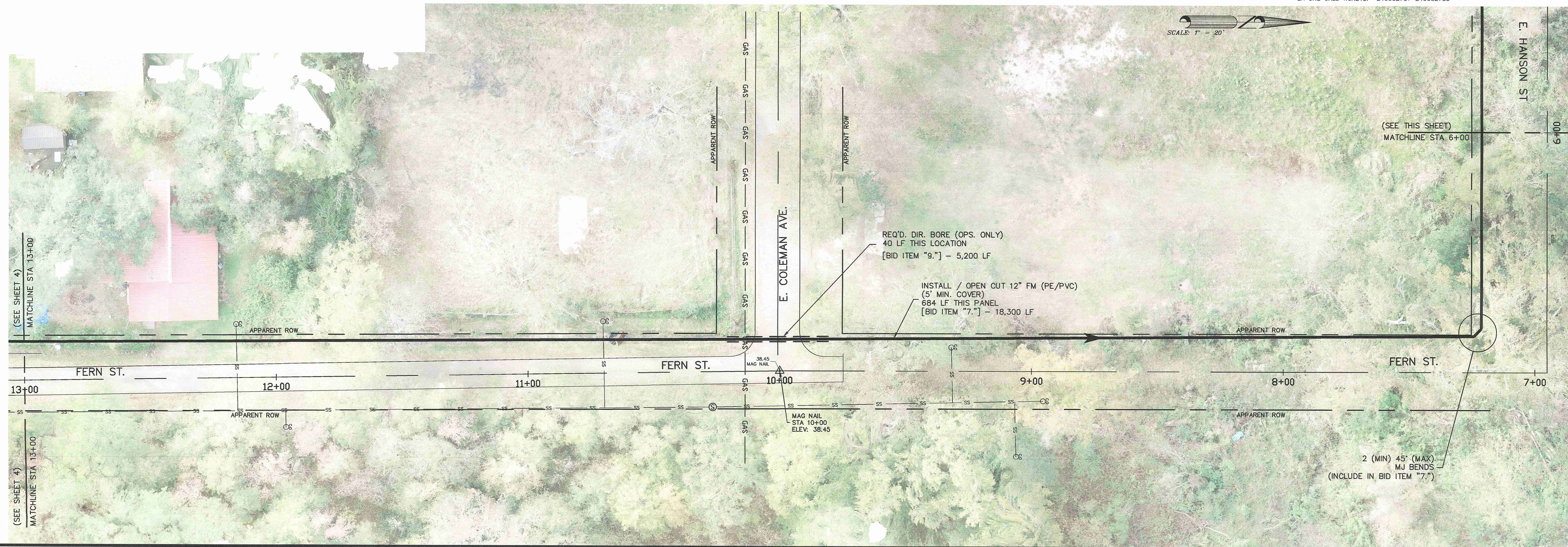
GENERAL NOTE:  
UTILITIES LOCATIONS ARE SCHEMATIC ONLY AND SHOULD NOT BE RELIED UPON FOR  
ACCURACY. THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING EACH AFFECTED  
UTILITY DIRECTLY AND HAVING THE LINES LOCATED IN THE FIELD PRIOR TO  
EXCAVATIONS IN THE VICINITY OF ANY POTENTIAL CONFLICT. HAND-WORK MAY BE  
NECESSARY WHEN CROSSING OR CLOSELY PARALLELING ANOTHER LINE.

REF. LA ONE CALL TICKETS DATED: JAN. 2, 2024  
240002781, 240002782, 240002783  
240002784, 240002785  
240002823, 240002824, 240002825



GENERAL NOTE:  
 UTILITIES LOCATIONS ARE SCHEMATIC ONLY, AND SHOULD NOT BE RELIED UPON FOR ACCURACY. THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING EACH AFFECTED UTILITY DIRECTLY, AND HAVING THE LINES LOCATED IN THE FIELD, PRIOR TO EXCAVATIONS IN THE VICINITY OF ANY POTENTIAL CONFLICT. HAND WORK MAY BE NECESSARY WHEN CROSSING OR CLOSELY PARALLELING ANOTHER LINE.

LA ONE CALL TICKETS: 240002781-240002783



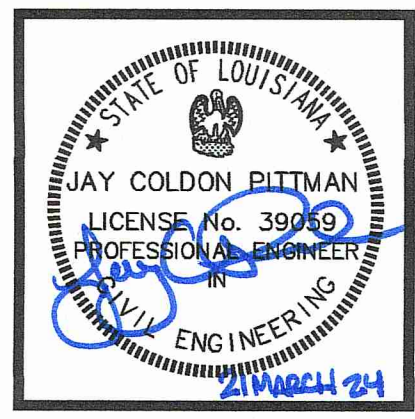
SCALE: 1" = 20'  
 DATE: 3-21-2024  
 DRAWN: RDH  
 CHECKED: J.C.P.  
 REVISED:

**E. HANSON STREET  
 FERN STREET**

**HAEIDD LIFT STATION AND  
 FORCE MAIN IMPROVEMENTS  
 [FY 2024]  
 for the  
 CITY OF HAMMOND**

**Spangler Engineering, LLC**  
 CONSULTING CIVIL ENGINEERS  
 214 S.W. RAILROAD AVENUE  
 P.O. BOX 1374  
 HAMMOND, LOUISIANA 70404  
 (985) 542-8665 FAX: (985) 542-0046

SHEET  
**3**



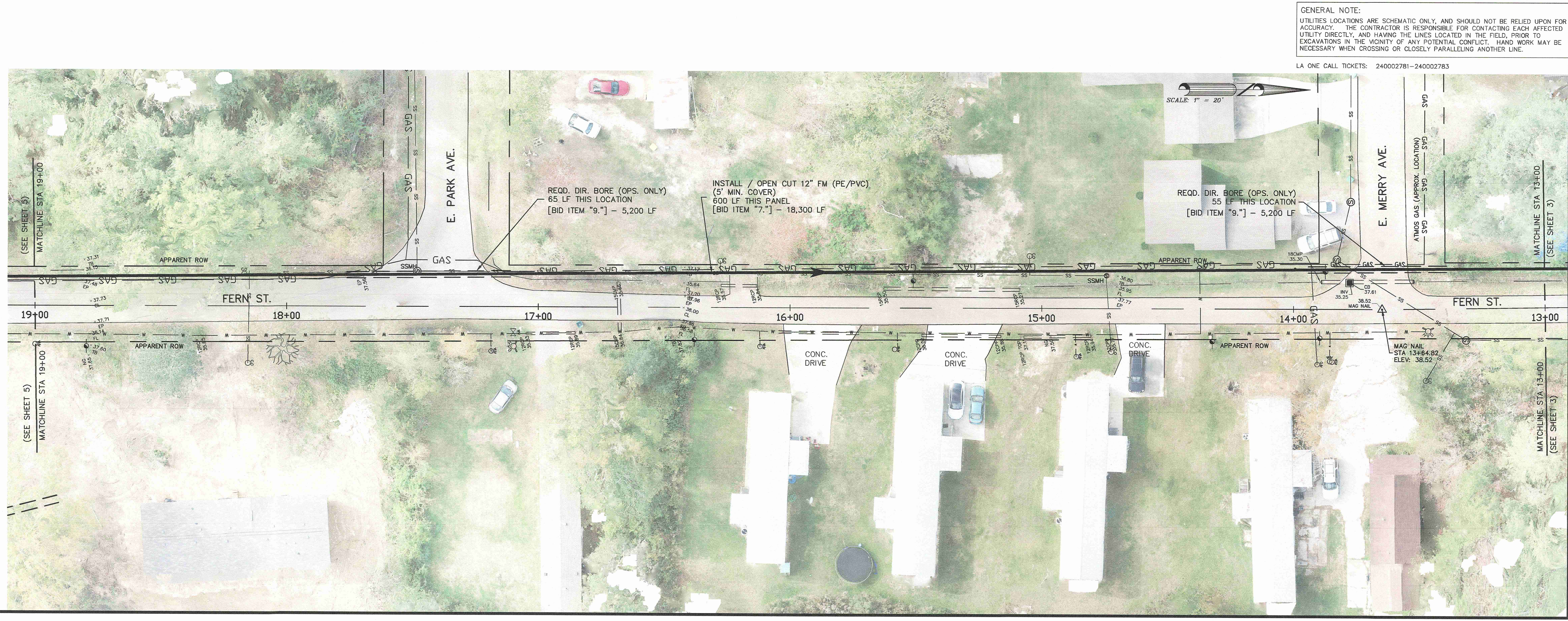
SCALE: 1" = 20'  
 DATE: 3-21-2024  
 DRAWN: RDH  
 CHECKED: J.C.P.  
 REVISED:

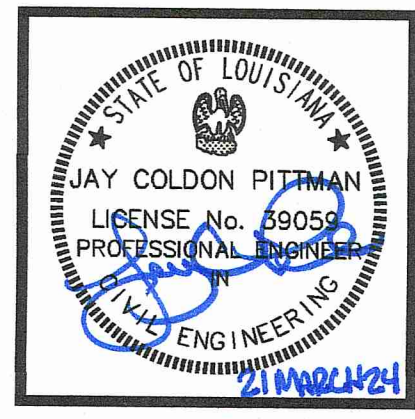
**FERN STREET**

**HAEIDD LIFT STATION AND  
 FORCE MAIN IMPROVEMENTS  
 [FY 2024]  
 for the  
 CITY OF HAMMOND**

**Spangler Engineering, LLC**  
 CONSULTING CIVIL ENGINEERS  
 214 S.W. RAILROAD AVENUE  
 P.O. BOX 1374  
 HAMMOND, LOUISIANA 70404  
 (985) 542-8665 FAX: (985) 542-0046

SHEET  
**4**





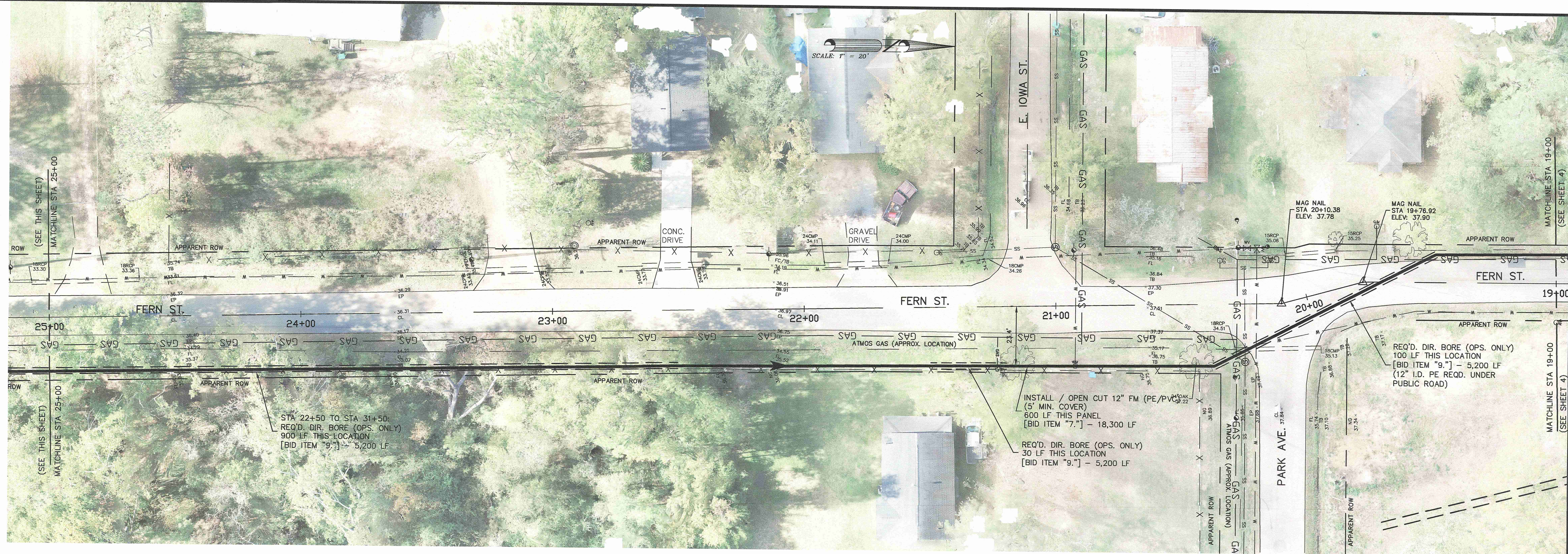
SCALE: 1" = 20'  
 DATE: 3-21-2024  
 DRAWN: RDH  
 CHECKED: J.C.P.  
 REVISED:

**FERN STREET**

**HAEIDD LIFT STATION AND  
 FORCE MAIN IMPROVEMENTS  
 [FY 2024]  
 for the  
 CITY OF HAMMOND**

**Spangler Engineering, LLC**  
 CONSULTING CIVIL ENGINEERS  
 214 S.W. RAILROAD AVENUE  
 P.O. BOX 1374  
 HAMMOND, LOUISIANA 70404  
 (985) 542-8665 FAX: (985) 542-0046

SHEET  
**5**



STA 22+50 TO STA 31+50:  
 REQ'D. DIR. BORE (OPS. ONLY)  
 900 LF THIS LOCATION  
 [BID ITEM "9."] - 5,200 LF

INSTALL / OPEN CUT 12" FM (PE/PVC)  
 (5' MIN. COVER)  
 600 LF THIS PANEL  
 [BID ITEM "7."] - 18,300 LF

REQ'D. DIR. BORE (OPS. ONLY)  
 30 LF THIS LOCATION  
 [BID ITEM "9."] - 5,200 LF

REQ'D. DIR. BORE (OPS. ONLY)  
 100 LF THIS LOCATION  
 [BID ITEM "9."] - 5,200 LF  
 (12" I.D. PE REQ'D. UNDER  
 PUBLIC ROAD)

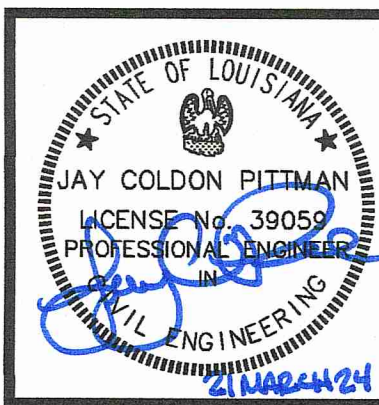
GENERAL NOTE:  
 UTILITIES LOCATIONS ARE SCHEMATIC ONLY, AND SHOULD NOT BE RELIED UPON FOR  
 ACCURACY. THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING EACH AFFECTED  
 UTILITY DIRECTLY, AND HAVING THE LINES LOCATED IN THE FIELD, PRIOR TO  
 EXCAVATIONS IN THE VICINITY OF ANY POTENTIAL CONFLICT. HAND WORK MAY BE  
 NECESSARY WHEN CROSSING OR CLOSELY PARALLELING ANOTHER LINE.

LA ONE CALL TICKETS: 240002781-240002783



INSTALL / OPEN CUT 12" FM (PE/PVC)  
 (5' MIN. COVER)  
 600 LF THIS PANEL  
 [BID ITEM "7."] - 18,300 LF

STA 22+50 TO STA 31+50:  
 REQ'D. DIR. BORE (OPS. ONLY)  
 900 LF THIS LOCATION  
 [BID ITEM "9."] - 5,200 LF



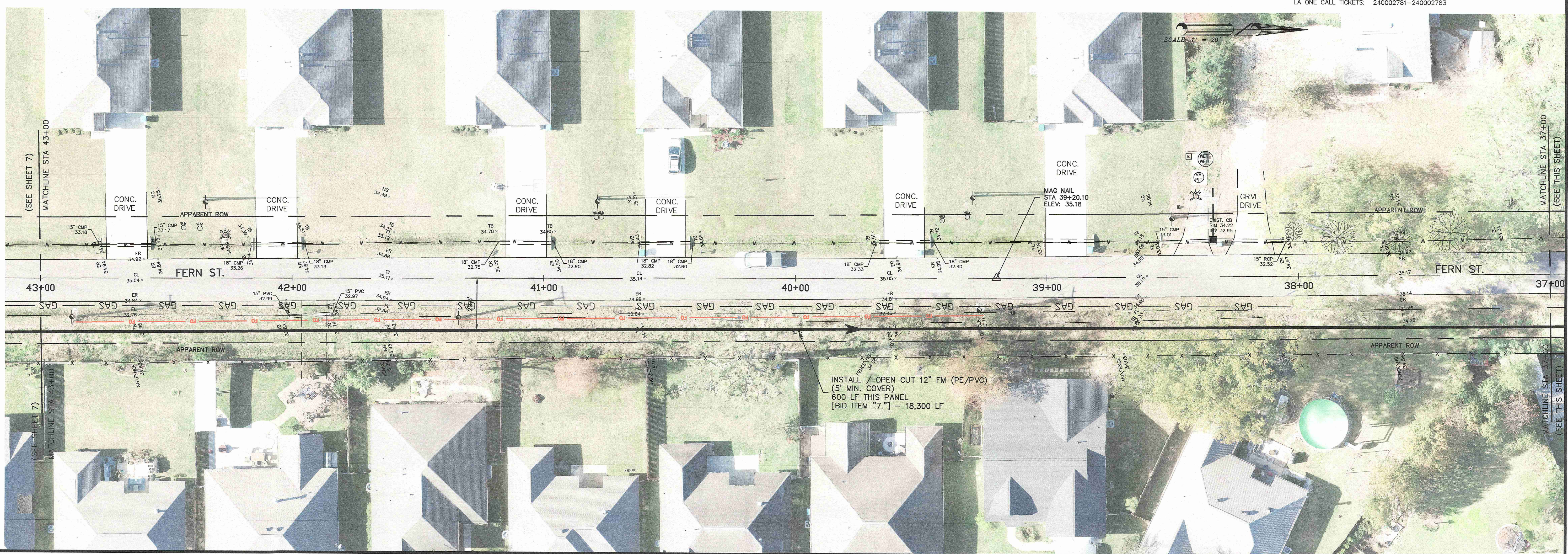
SCALE: 1" = 20'  
 DATE: 3-21-2024  
 DRAWN: RDH  
 CHECKED: J.C.P.  
 REVISED:

**FERN STREET**

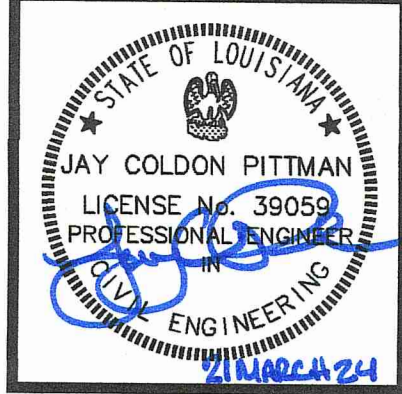
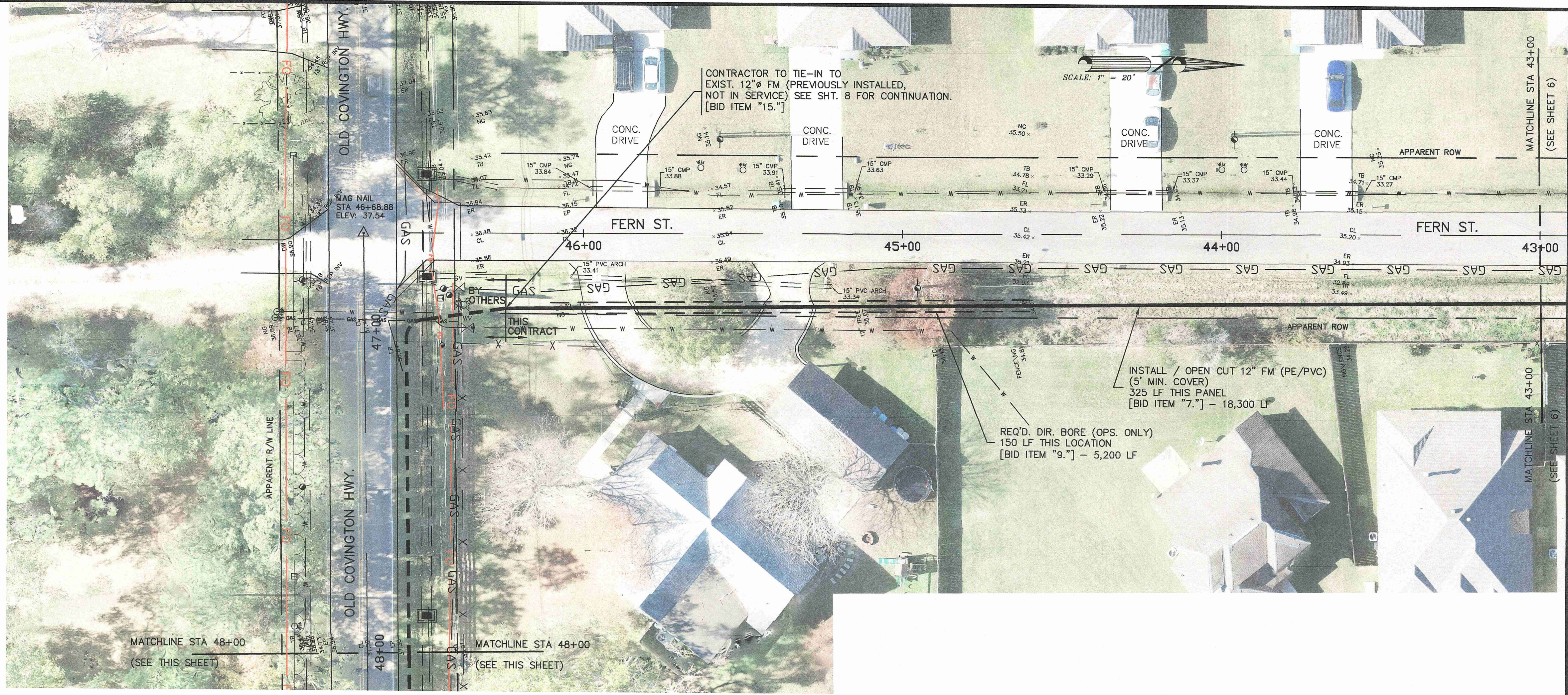
**HAEIDD LIFT STATION AND  
 FORCE MAIN IMPROVEMENTS  
 [FY 2024]  
 for the  
 CITY OF HAMMOND**

**Spangler Engineering, LLC**  
 CONSULTING CIVIL ENGINEERS  
 214 S.W. RAILROAD AVENUE  
 P.O. BOX 1374  
 HAMMOND, LOUISIANA 70404  
 (985) 542-8665 FAX: (985) 542-0046

SHEET  
**6**



GENERAL NOTE:  
 UTILITIES LOCATIONS ARE SCHEMATIC ONLY, AND SHOULD NOT BE RELIED UPON FOR ACCURACY. THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING EACH AFFECTED UTILITY DIRECTLY, AND HAVING THE LINES LOCATED IN THE FIELD, PRIOR TO EXCAVATIONS IN THE VICINITY OF ANY POTENTIAL CONFLICT. HAND WORK MAY BE NECESSARY WHEN CROSSING OR CLOSELY PARALLELING ANOTHER LINE.  
 LA ONE CALL TICKETS: 240002781-240002783



SCALE: 1" = 20'  
 DATE: 3-21-2024  
 DRAWN: RDH  
 CHECKED: J.C.P.  
 REVISED:

**FERN STREET**  
**OLD COVINGTON HWY.**

**HAEIDD LIFT STATION AND**  
**FORCE MAIN IMPROVEMENTS**  
**[FY 2024]**  
**for the**  
**CITY OF HAMMOND**

**Spangler Engineering, LLC**  
 CONSULTING CIVIL ENGINEERS  
 214 S.W. RAILROAD AVENUE  
 P.O. BOX 1374  
 HAMMOND, LOUISIANA 70404  
 (985) 542-8665 FAX: (985) 542-0046

SHEET  
**7**



GENERAL NOTE:  
 UTILITIES LOCATIONS ARE SCHEMATIC ONLY, AND SHOULD NOT BE RELIED UPON FOR ACCURACY. THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING EACH AFFECTED UTILITY DIRECTLY, AND HAVING THE LINES LOCATED IN THE FIELD, PRIOR TO EXCAVATIONS IN THE VICINITY OF ANY POTENTIAL CONFLICT. HAND WORK MAY BE NECESSARY WHEN CROSSING OR CLOSELY PARALLELING ANOTHER LINE.

LA ONE CALL TICKETS: 240002783, 240002798, 240002799

\S:\MSD\1700\170001\170001.dwg 3/21/2024 10:26:47 AM



SCALE: 1" = 20'  
 DATE: 3-21-2024  
 DRAWN: RDH  
 CHECKED: J.C.P.  
 REVISED:

**OLD COVINGTON HWY.**

**HAEDD LIFT STATION AND  
 FORCE MAIN IMPROVEMENTS  
 [FY 2024]  
 for the  
 CITY OF HAMMOND**

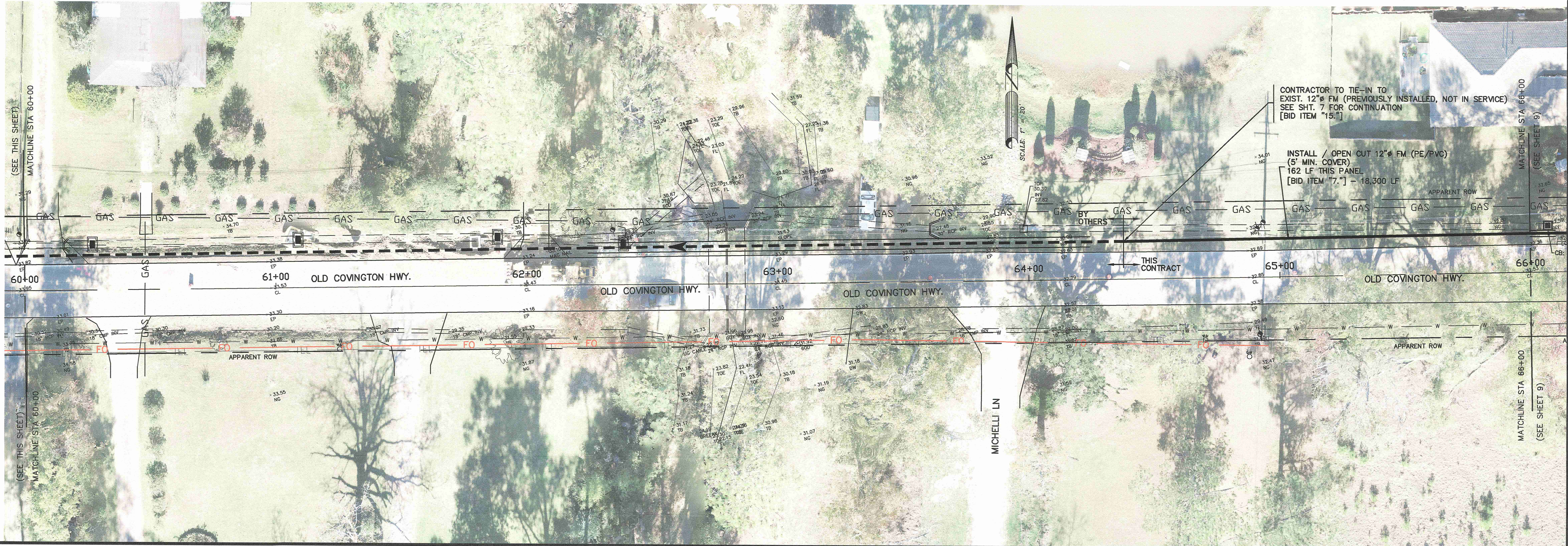
**Spangler Engineering, LLC**  
 CONSULTING CIVIL ENGINEERS  
 214 S.W. RAILROAD AVENUE  
 P.O. BOX 1374  
 HAMMOND, LOUISIANA 70404  
 (985) 542-8665 FAX: (985) 542-0046

SHEET  
**8**

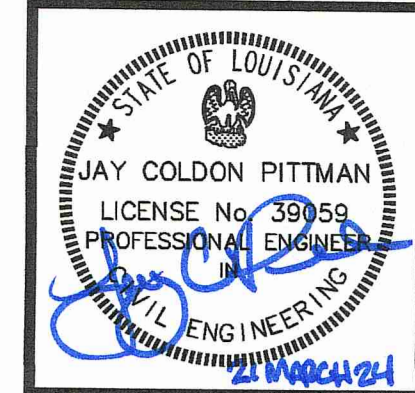
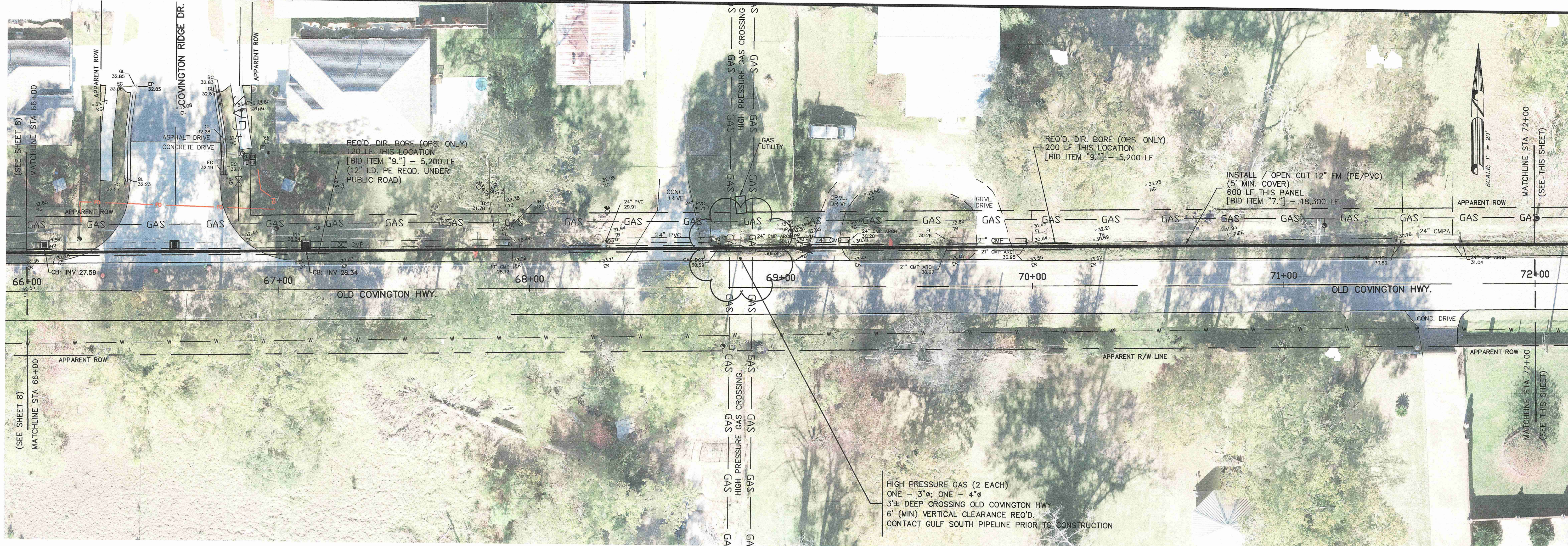


GENERAL NOTE:  
 UTILITIES LOCATIONS ARE SCHEMATIC ONLY, AND SHOULD NOT BE RELIED UPON FOR ACCURACY. THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING EACH AFFECTED UTILITY DIRECTLY, AND HAVING THE LINES LOCATED IN THE FIELD, PRIOR TO EXCAVATIONS IN THE VICINITY OF ANY POTENTIAL CONFLICT. HAND WORK MAY BE NECESSARY WHEN CROSSING OR CLOSELY PARALLELING ANOTHER LINE.

LA ONE CALL TICKETS: 240002798, 240002799





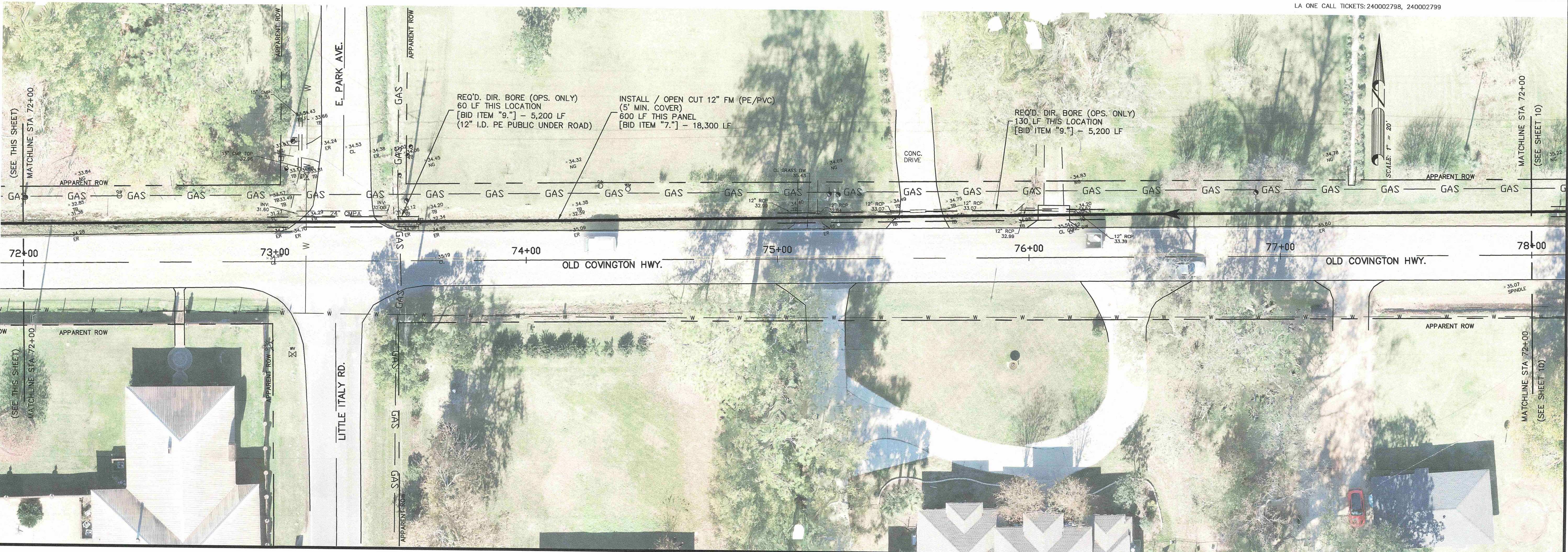


SCALE: 1" = 20'  
 DATE: 3-21-2024  
 DRAWN: RDH  
 CHECKED: J.C.P.  
 REVISED:

**OLD COVINGTON HWY.**

GENERAL NOTE:  
 UTILITIES LOCATIONS ARE SCHEMATIC ONLY, AND SHOULD NOT BE RELIED UPON FOR ACCURACY. THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING EACH AFFECTED UTILITY DIRECTLY, AND HAVING THE LINES LOCATED IN THE FIELD, PRIOR TO EXCAVATIONS IN THE VICINITY OF ANY POTENTIAL CONFLICT. HAND WORK MAY BE NECESSARY WHEN CROSSING OR CLOSELY PARALLELING ANOTHER LINE.

LA ONE CALL TICKETS: 240002798, 240002799



**HAEIDD LIFT STATION AND FORCE MAIN IMPROVEMENTS [FY 2024] for the CITY OF HAMMOND**

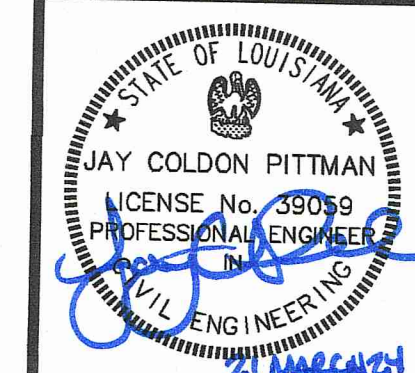
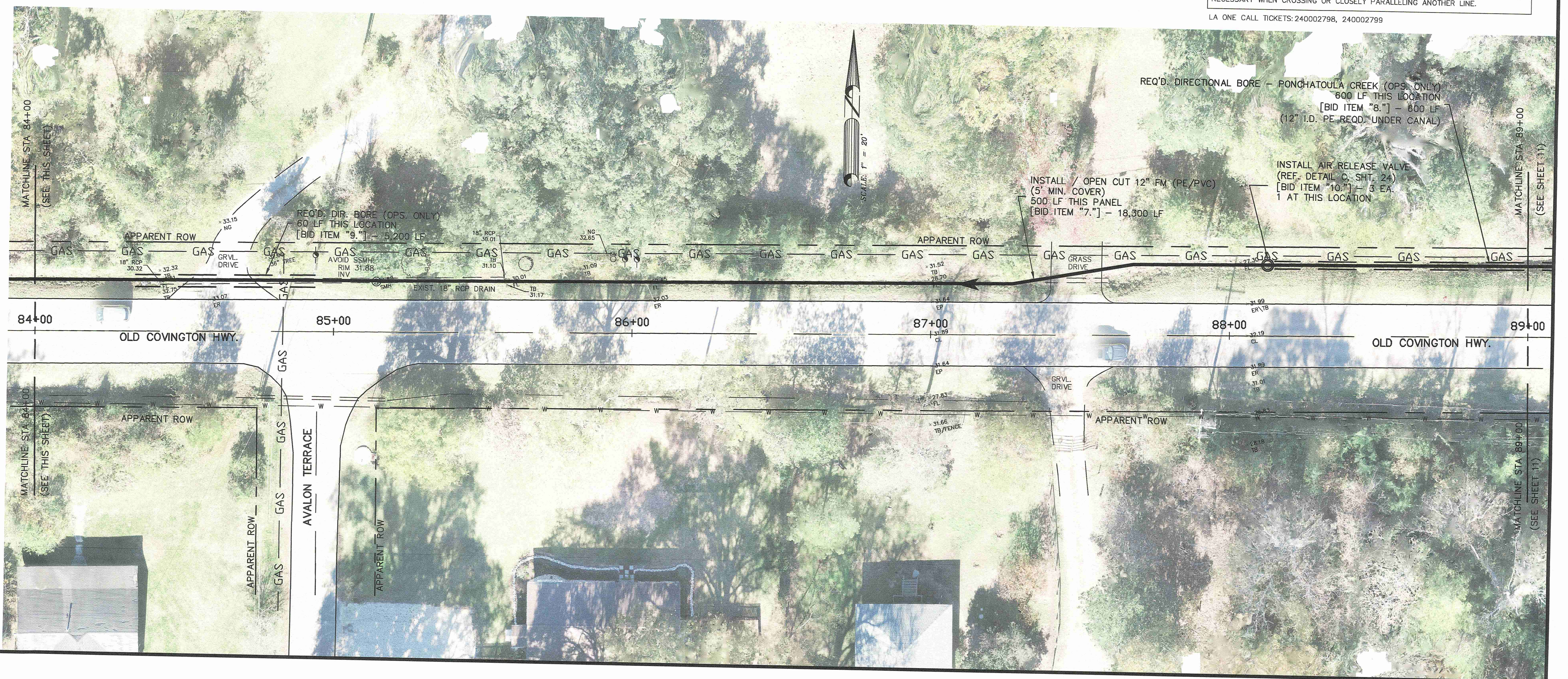
**Spangler Engineering, LLC**  
 CONSULTING CIVIL ENGINEERS  
 214 S.W. RAILROAD AVENUE  
 P.O. BOX 1374  
 HAMMOND, LOUISIANA 70404  
 (985) 542-8665 FAX: (985) 542-0046

SHEET  
**9**



GENERAL NOTE:  
 UTILITIES LOCATIONS ARE SCHEMATIC ONLY, AND SHOULD NOT BE RELIED UPON FOR ACCURACY. THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING EACH AFFECTED UTILITY DIRECTLY, AND HAVING THE LINES LOCATED IN THE FIELD, PRIOR TO EXCAVATIONS IN THE VICINITY OF ANY POTENTIAL CONFLICT. HAND WORK MAY BE NECESSARY WHEN CROSSING OR CLOSELY PARALLELING ANOTHER LINE.

LA ONE CALL TICKETS: 240002798, 240002799

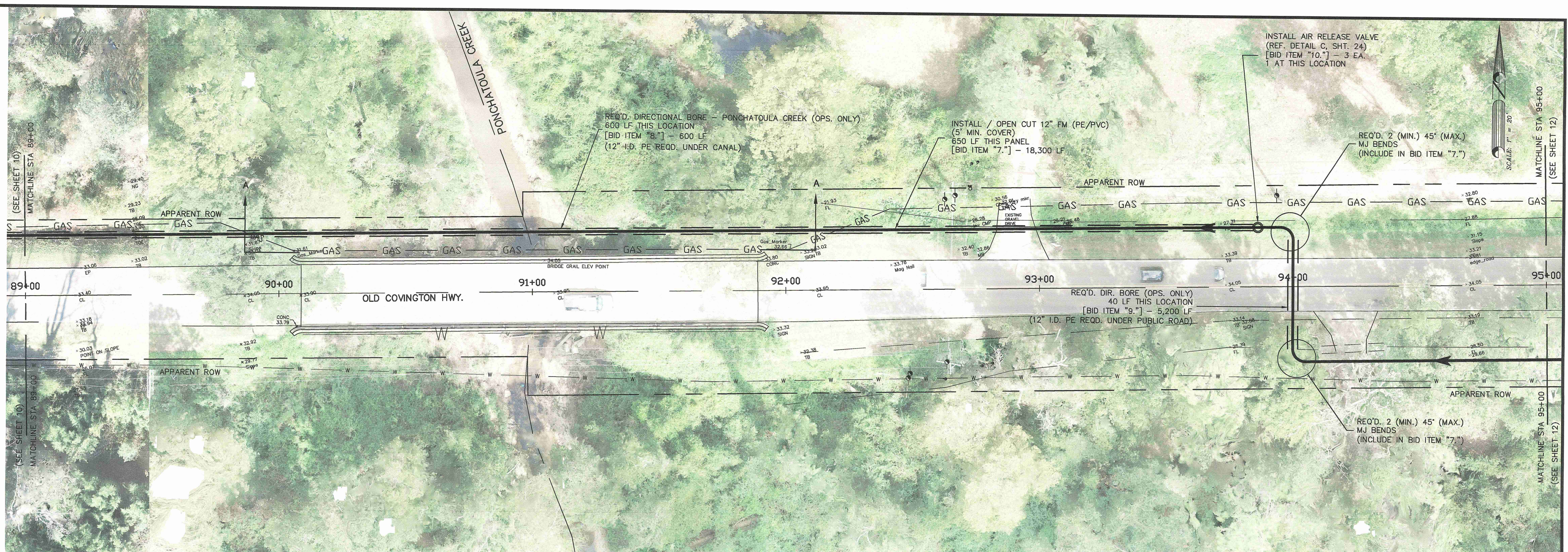


SCALE: 1" = 20'
DATE: 3-21-2024
DRAWN: RDH
CHECKED: J.C.P.
REVISED:

**OLD COVINGTON HWY.**

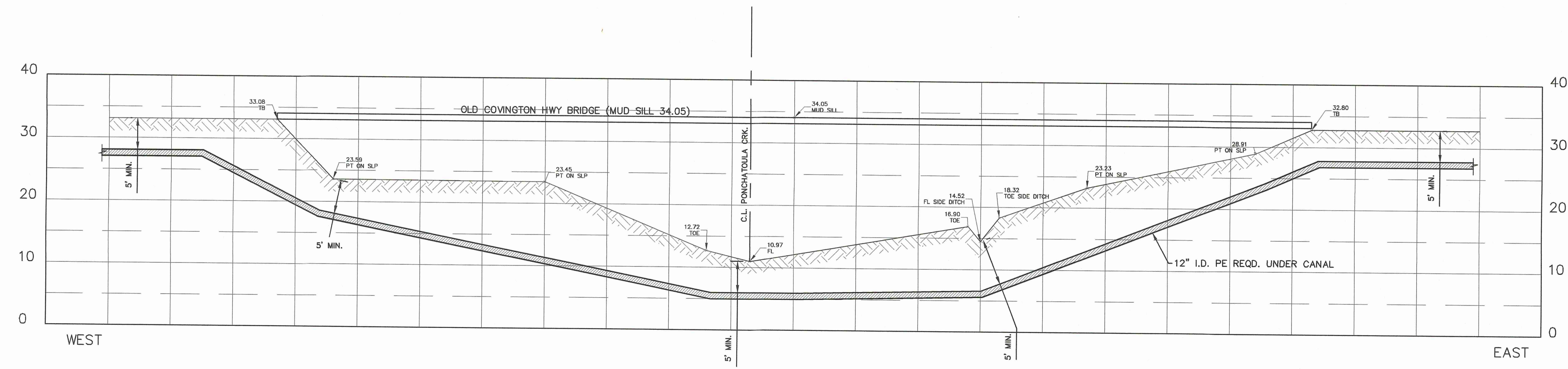
**HAIEDD LIFT STATION AND  
 FORCE MAIN IMPROVEMENTS  
 [FY 2024]  
 for the  
 CITY OF HAMMOND**

**Spangler Engineering, LLC**  
 CONSULTING CIVIL ENGINEERS  
 214 S.W. RAILROAD AVENUE  
 P.O. BOX 1374  
 HAMMOND, LOUISIANA 70404  
 (985) 542-8665 FAX: (985) 542-0046



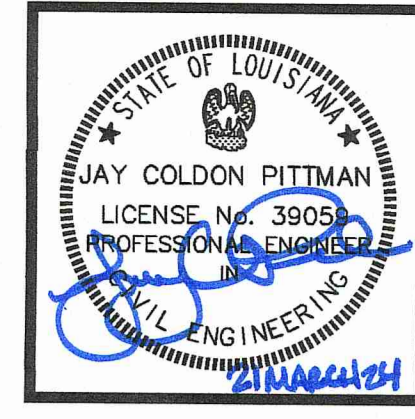
GENERAL NOTE:  
 UTILITIES LOCATIONS ARE SCHEMATIC ONLY, AND SHOULD NOT BE RELIED UPON FOR ACCURACY. THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING EACH AFFECTED UTILITY DIRECTLY, AND HAVING THE LINES LOCATED IN THE FIELD, PRIOR TO EXCAVATIONS IN THE VICINITY OF ANY POTENTIAL CONFLICT. HAND WORK MAY BE NECESSARY WHEN CROSSING OR CLOSELY PARALLELING ANOTHER LINE.

LA ONE CALL TICKETS: 240002798, 240002799



CROSS SECTION A-A  
 AS VIEWED LOOKING UPSTREAM  
 SCALE = 1" = 10'

NOTES TO BORE AT PONCHATOULA CREEK  
 - 5' (MIN.) CLEAR FROM BOTTOM OF CREEK  
 - 12" I.D. PE (SDR 11) REQUIRED  
 - SECTION FOR REPRESENTATION ONLY;  
 MEANS AND METHODS MAY IMPACT FM LOCATION



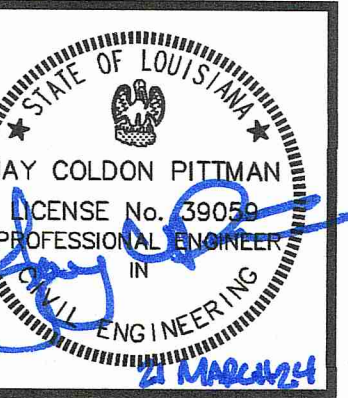
SCALE: 1" = 20'  
 DATE: 3-21-2024  
 DRAWN: RDH  
 CHECKED: J.C.P.  
 REVISED:

OLD COVINGTON HWY.

HAEIDD LIFT STATION AND  
 FORCE MAIN IMPROVEMENTS  
 [FY 2024]  
 for the  
 CITY OF HAMMOND

Spangler Engineering, LLC  
 CONSULTING CIVIL ENGINEERS  
 214 S.W. RAILROAD AVENUE  
 P.O. BOX 1374  
 HAMMOND, LOUISIANA 70404  
 (985) 542-8665 FAX: (985) 542-0046

SHEET  
**11**



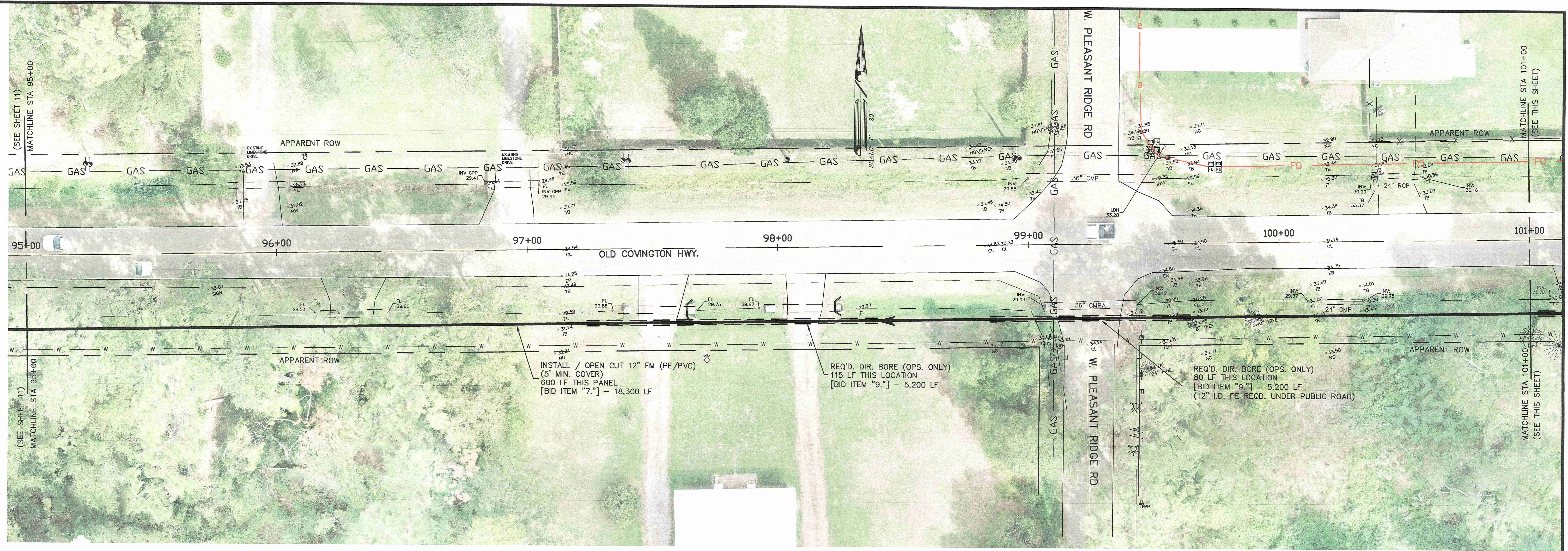
SCALE: 1" = 20'  
 DATE: 3-21-2024  
 DRAWN: RDH  
 CHECKED: J.C.P.  
 REVISED:

OLD COVINGTON HWY.

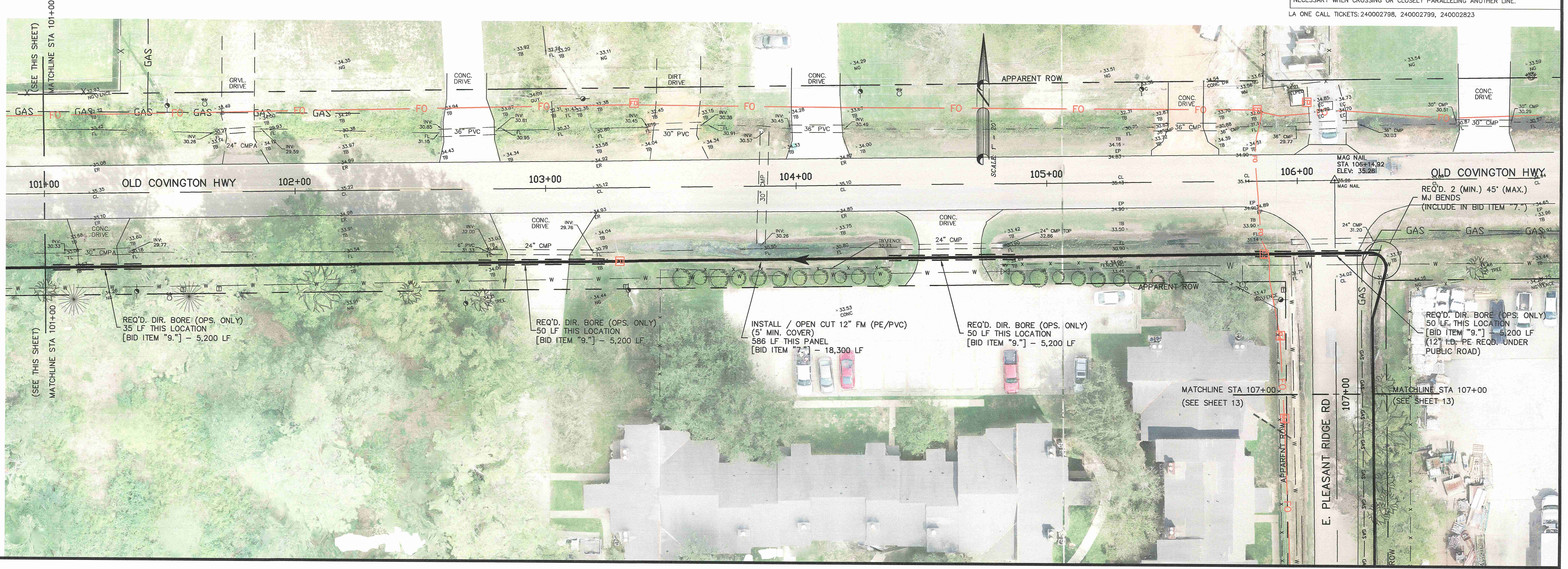
HAEIDD LIFT STATION AND  
 FORCE MAIN IMPROVEMENTS  
 [FY 2024]  
 for the  
 CITY OF HAMMOND

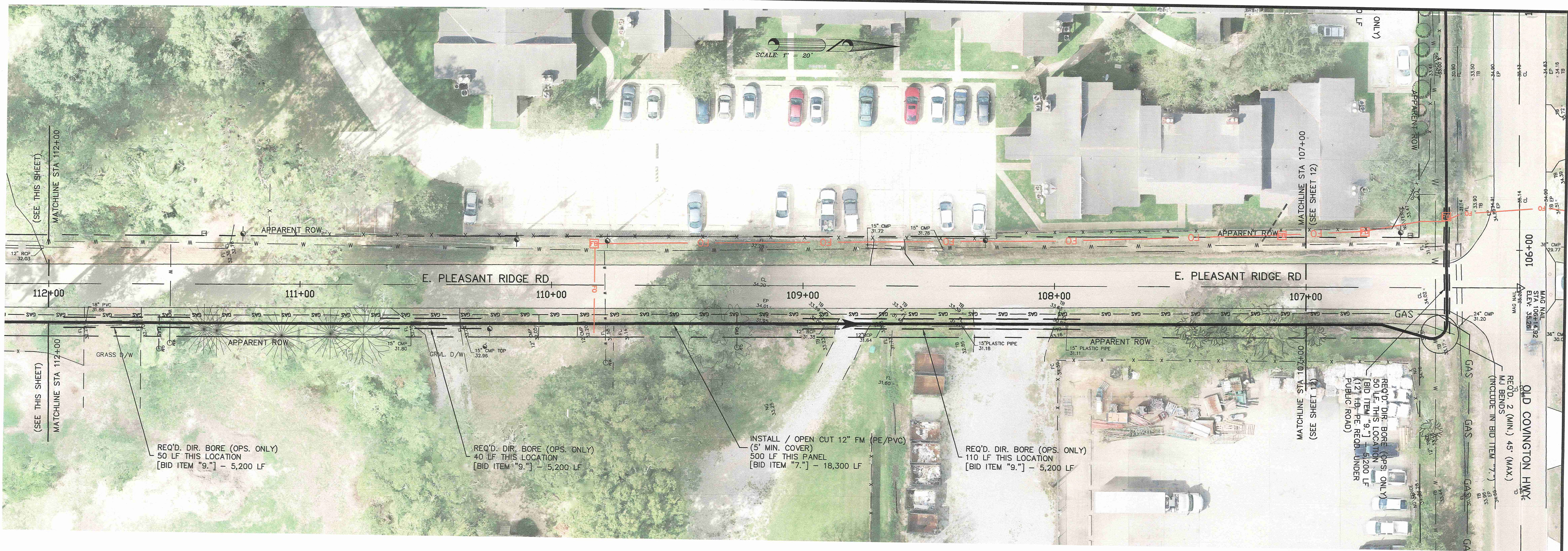
Spangler Engineering, LLC  
 CONSULTING CIVIL ENGINEERS  
 214 S.W. RAILROAD AVENUE  
 P.O. BOX 1374  
 HAMMOND, LOUISIANA 70404  
 (985) 542-8665 FAX: (985) 542-0046

SHEET  
**12**

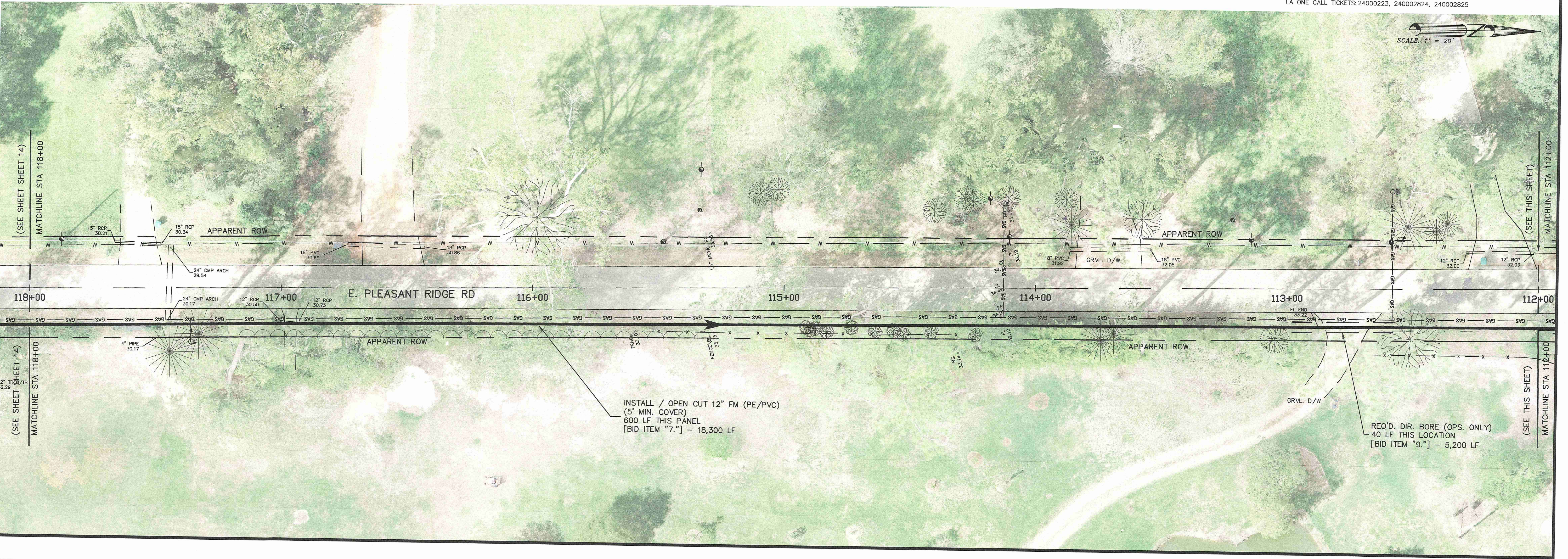


GENERAL NOTE:  
 UTILITIES LOCATIONS ARE SCHEMATIC ONLY, AND SHOULD NOT BE RELIED UPON FOR ACCURACY. THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING EACH AFFECTED UTILITY DIRECTLY, AND HAVING THE LINES LOCATED IN THE FIELD, PRIOR TO EXCAVATIONS IN THE VICINITY OF ANY POTENTIAL CONFLICT. HAND WORK MAY BE NECESSARY WHEN CROSSING OR CLOSELY PARALLELING ANOTHER LINE.  
 LA ONE CALL TICKETS: 240002798, 240002799, 240002823





GENERAL NOTE:  
 UTILITIES LOCATIONS ARE SCHEMATIC ONLY, AND SHOULD NOT BE RELIED UPON FOR ACCURACY. THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING EACH AFFECTED UTILITY DIRECTLY, AND HAVING THE LINES LOCATED IN THE FIELD, PRIOR TO EXCAVATIONS IN THE VICINITY OF ANY POTENTIAL CONFLICT. HAND WORK MAY BE NECESSARY WHEN CROSSING OR CLOSELY PARALLELING ANOTHER LINE.  
 LA ONE CALL TICKETS: 24000223, 240002824, 240002825



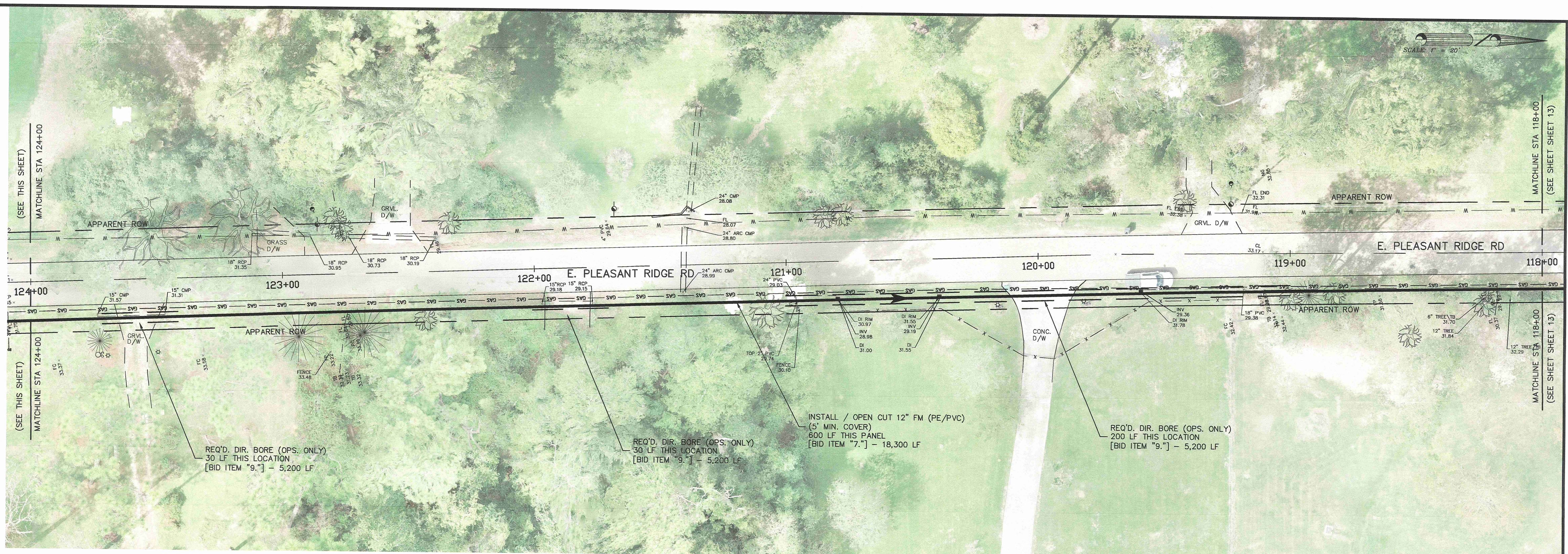
SCALE: 1" = 20'  
 DATE: 3-21-2024  
 DRAWN: RDH  
 CHECKED: J.C.P.  
 REVISED:

**E. PLEASANT RIDGE RD.**

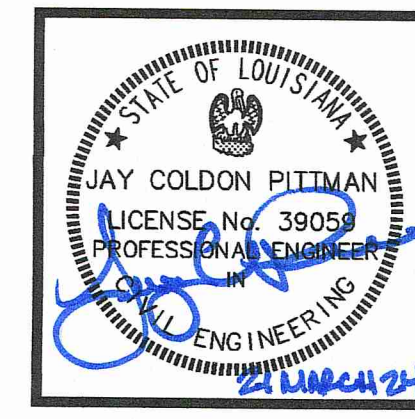
**HAIEDD LIFT STATION AND  
 FORCE MAIN IMPROVEMENTS  
 [FY 2024]  
 for the  
 CITY OF HAMMOND**

**Spangler Engineering, LLC**  
 CONSULTING CIVIL ENGINEERS  
 214 S.W. RAILROAD AVENUE  
 P.O. BOX 1374  
 HAMMOND, LOUISIANA 70404  
 (985) 542-8685 FAX: (985) 542-0046

SHEET  
**13**



SCALE: 1" = 20'

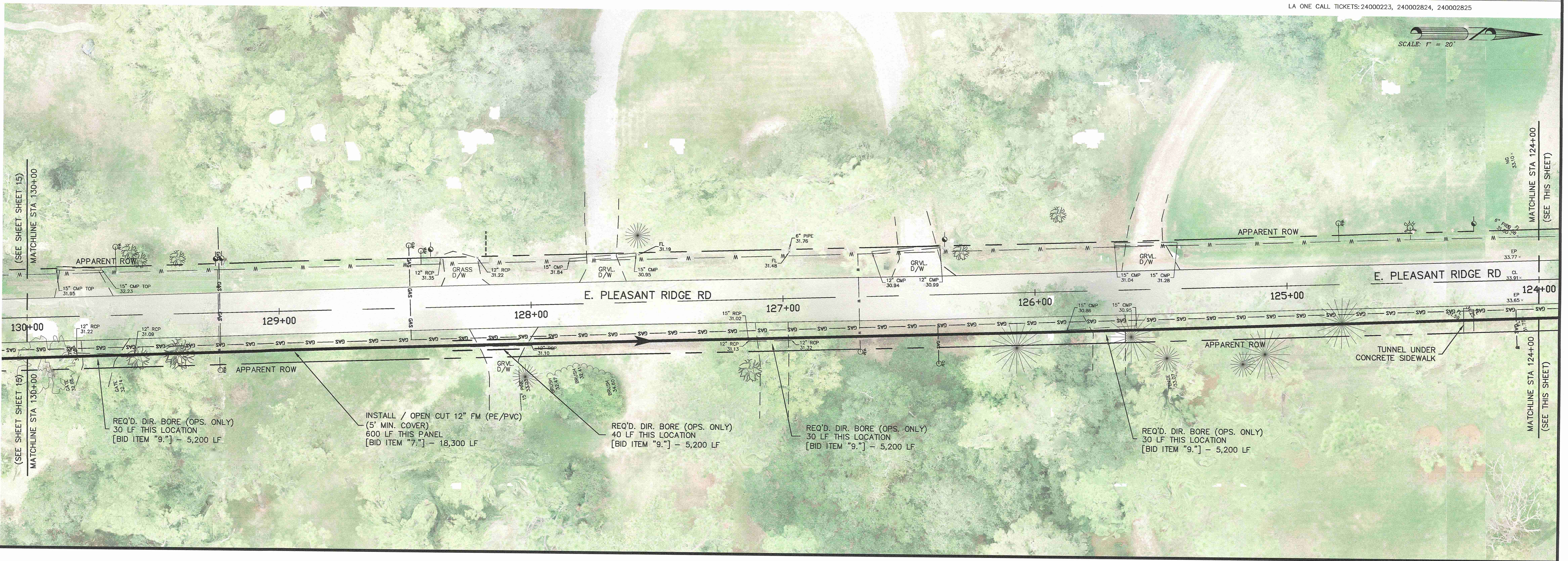


SCALE: 1" = 20'  
 DATE: 3-21-2024  
 DRAWN: RDH  
 CHECKED: J.C.P.  
 REVISED:

**E. PLEASANT RIDGE RD.**

**HAEIDD LIFT STATION AND  
 FORCE MAIN IMPROVEMENTS  
 [FY 2024]  
 for the  
 CITY OF HAMMOND**

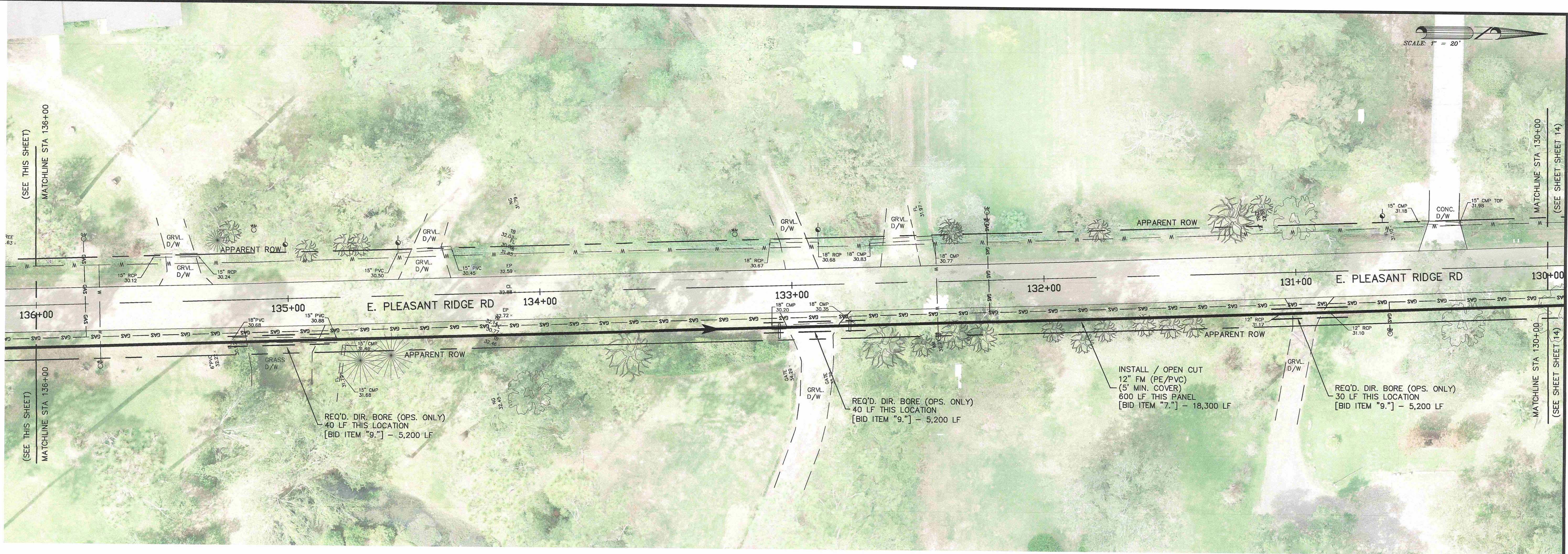
GENERAL NOTE:  
 UTILITIES LOCATIONS ARE SCHEMATIC ONLY, AND SHOULD NOT BE RELIED UPON FOR ACCURACY. THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING EACH AFFECTED UTILITY DIRECTLY, AND HAVING THE LINES LOCATED IN THE FIELD, PRIOR TO EXCAVATIONS IN THE VICINITY OF ANY POTENTIAL CONFLICT. HAND WORK MAY BE NECESSARY WHEN CROSSING OR CLOSELY PARALLELING ANOTHER LINE.  
 LA ONE CALL TICKETS: 24000223, 240002824, 240002825



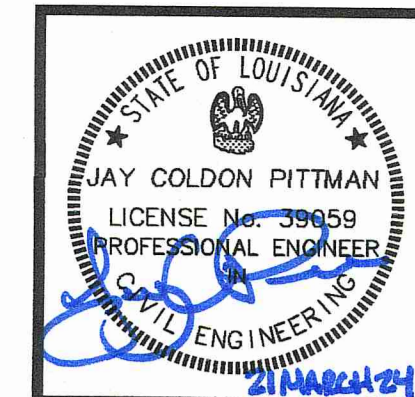
SCALE: 1" = 20'

**Spangler Engineering, LLC**  
 CONSULTING CIVIL ENGINEERS  
 214 S.W. RAILROAD AVENUE  
 P.O. BOX 1374  
 HAMMOND, LOUISIANA 70404  
 (985) 542-8665 FAX: (985) 542-0046

SHEET  
**14**



SCALE: 1" = 20'

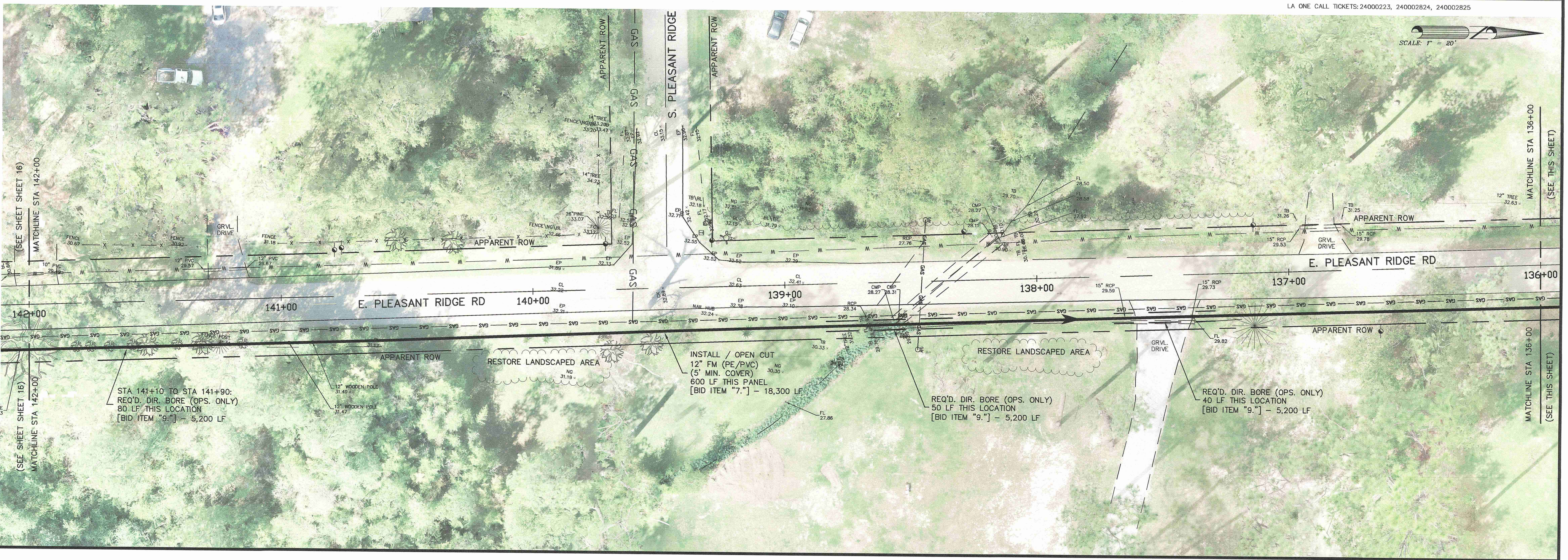


SCALE: 1" = 20'  
 DATE: 3-21-2024  
 DRAWN: RDH  
 CHECKED: J.C.P.  
 REVISED:

**E. PLEASANT RIDGE RD.**

GENERAL NOTE:  
 UTILITIES LOCATIONS ARE SCHEMATIC ONLY, AND SHOULD NOT BE RELIED UPON FOR ACCURACY. THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING EACH AFFECTED UTILITY DIRECTLY, AND HAVING THE LINES LOCATED IN THE FIELD, PRIOR TO EXCAVATIONS IN THE VICINITY OF ANY POTENTIAL CONFLICT. HAND WORK MAY BE NECESSARY WHEN CROSSING OR CLOSELY PARALLELING ANOTHER LINE.

LA ONE CALL TICKETS: 24000223, 240002824, 240002825

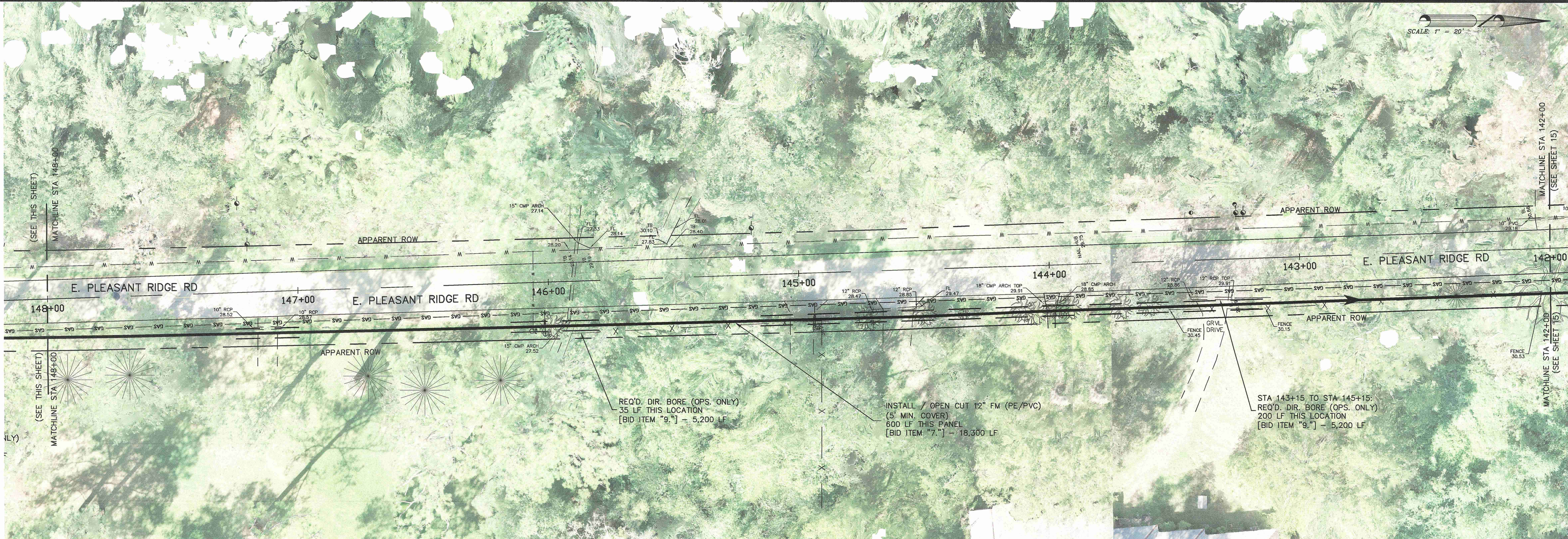


SCALE: 1" = 20'

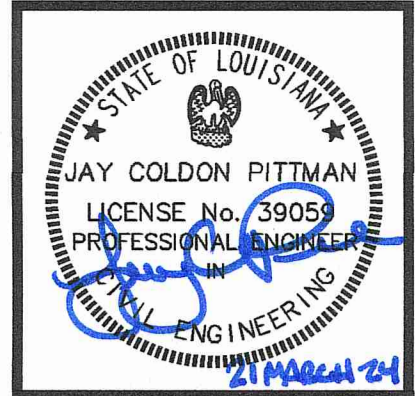
**HAEIDD LIFT STATION AND FORCE MAIN IMPROVEMENTS [FY 2024] for the CITY OF HAMMOND**

**Spangler Engineering, LLC**  
 CONSULTING CIVIL ENGINEERS  
 214 S.W. RAILROAD AVENUE  
 P.O. BOX 1374  
 HAMMOND, LOUISIANA 70404  
 (985) 542-8665 FAX: (985) 542-0046

SHEET  
**15**



SCALE: 1" = 20'



SCALE: 1" = 20'  
 DATE: 3-21-2024  
 DRAWN: RDH  
 CHECKED: J.C.P.  
 REVISED:

**E. PLEASANT RIDGE RD.**

**HAEIDD LIFT STATION AND  
 FORCE MAIN IMPROVEMENTS  
 [FY 2024]  
 for the  
 CITY OF HAMMOND**

**Spangler Engineering, LLC**  
 CONSULTING CIVIL ENGINEERS  
 214 S.W. RAILROAD AVENUE  
 P.O. BOX 1374  
 HAMMOND, LOUISIANA 70404  
 (985) 542-8665 FAX: (985) 542-0046

SHEET  
**16**

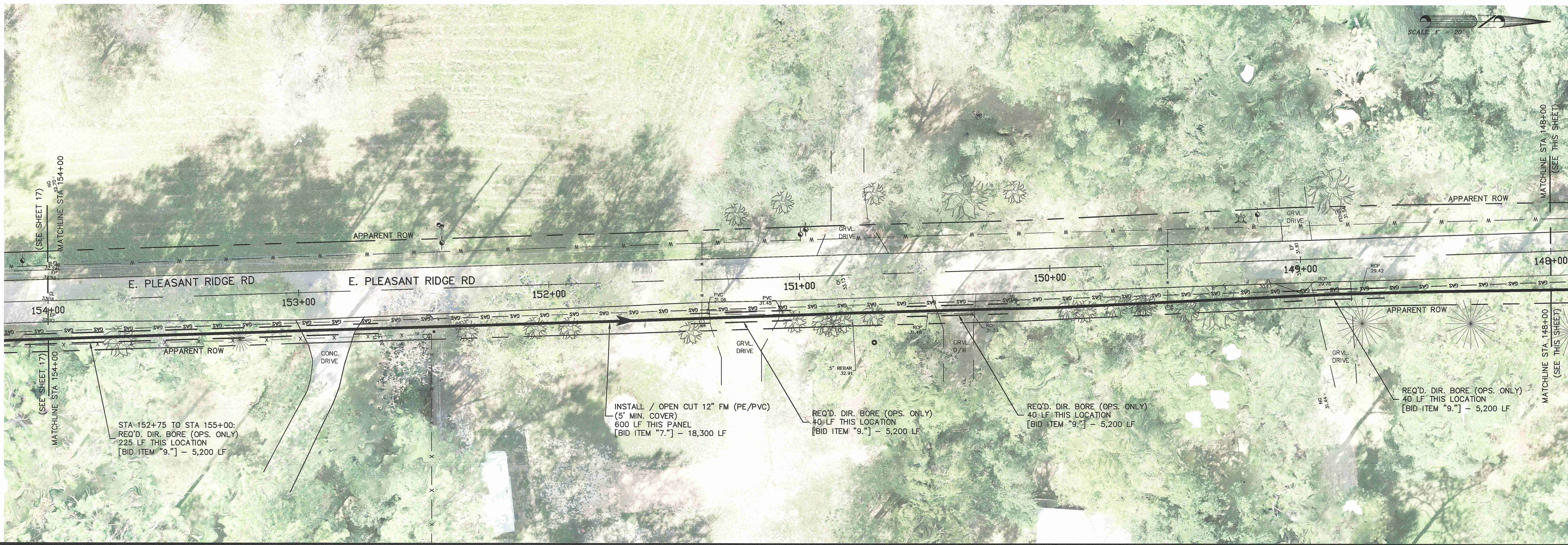
REQ'D. DIR. BORE (OPS. ONLY)  
 35 LF THIS LOCATION  
 [BID ITEM "9."] - 5,200 LF

INSTALL / OPEN CUT 12" FM (PE/PVC)  
 (5' MIN. COVER)  
 600 LF THIS PANEL  
 [BID ITEM "7."] - 18,300 LF

STA 143+15 TO STA 145+15:  
 REQ'D. DIR. BORE (OPS. ONLY)  
 200 LF THIS LOCATION  
 [BID ITEM "9."] - 5,200 LF

GENERAL NOTE:  
 UTILITIES LOCATIONS ARE SCHEMATIC ONLY, AND SHOULD NOT BE RELIED UPON FOR ACCURACY. THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING EACH AFFECTED UTILITY DIRECTLY, AND HAVING THE LINES LOCATED IN THE FIELD, PRIOR TO EXCAVATIONS IN THE VICINITY OF ANY POTENTIAL CONFLICT. HAND WORK MAY BE NECESSARY WHEN CROSSING OR CLOSELY PARALLELING ANOTHER LINE.

LA ONE CALL TICKETS: 24000223, 240002824, 240002825



SCALE: 1" = 20'

STA 152+75 TO STA 155+00:  
 REQ'D. DIR. BORE (OPS. ONLY)  
 225 LF THIS LOCATION  
 [BID ITEM "9."] - 5,200 LF

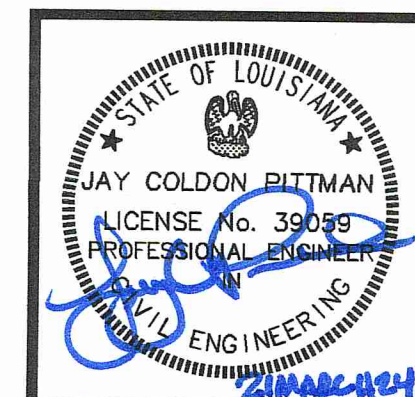
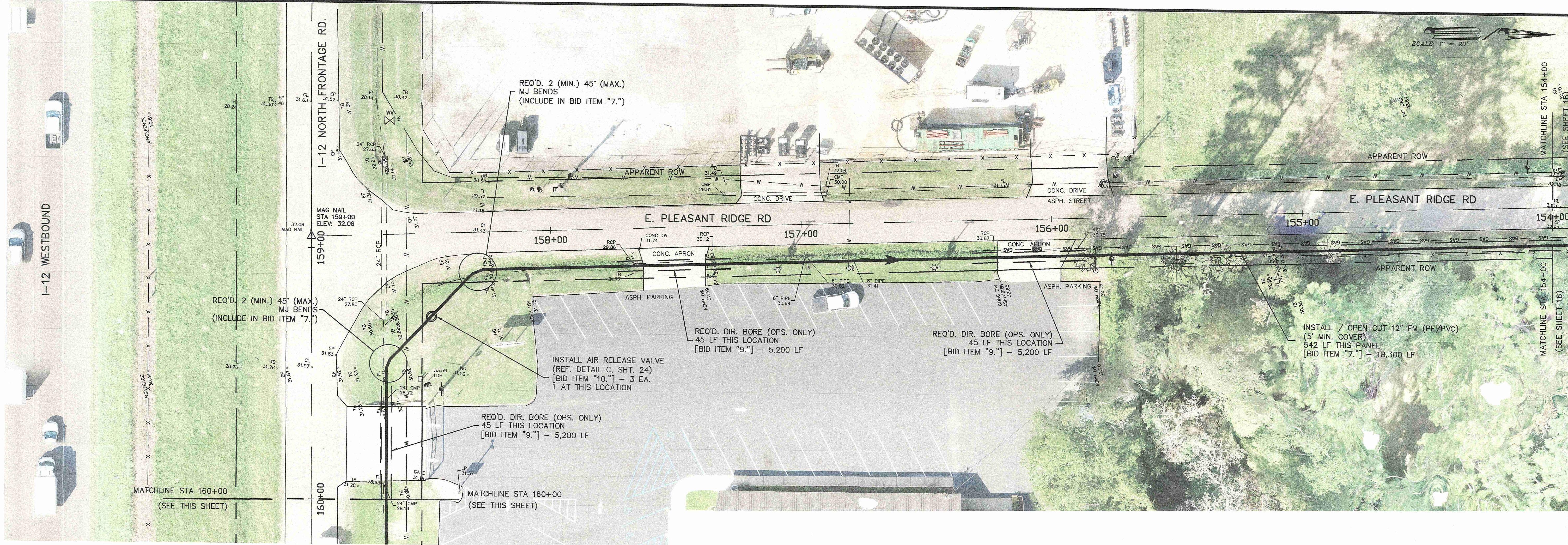
INSTALL / OPEN CUT 12" FM (PE/PVC)  
 (5' MIN. COVER)  
 600 LF THIS PANEL  
 [BID ITEM "7."] - 18,300 LF

REQ'D. DIR. BORE (OPS. ONLY)  
 40 LF THIS LOCATION  
 [BID ITEM "9."] - 5,200 LF

REQ'D. DIR. BORE (OPS. ONLY)  
 40 LF THIS LOCATION  
 [BID ITEM "9."] - 5,200 LF

REQ'D. DIR. BORE (OPS. ONLY)  
 40 LF THIS LOCATION  
 [BID ITEM "9."] - 5,200 LF



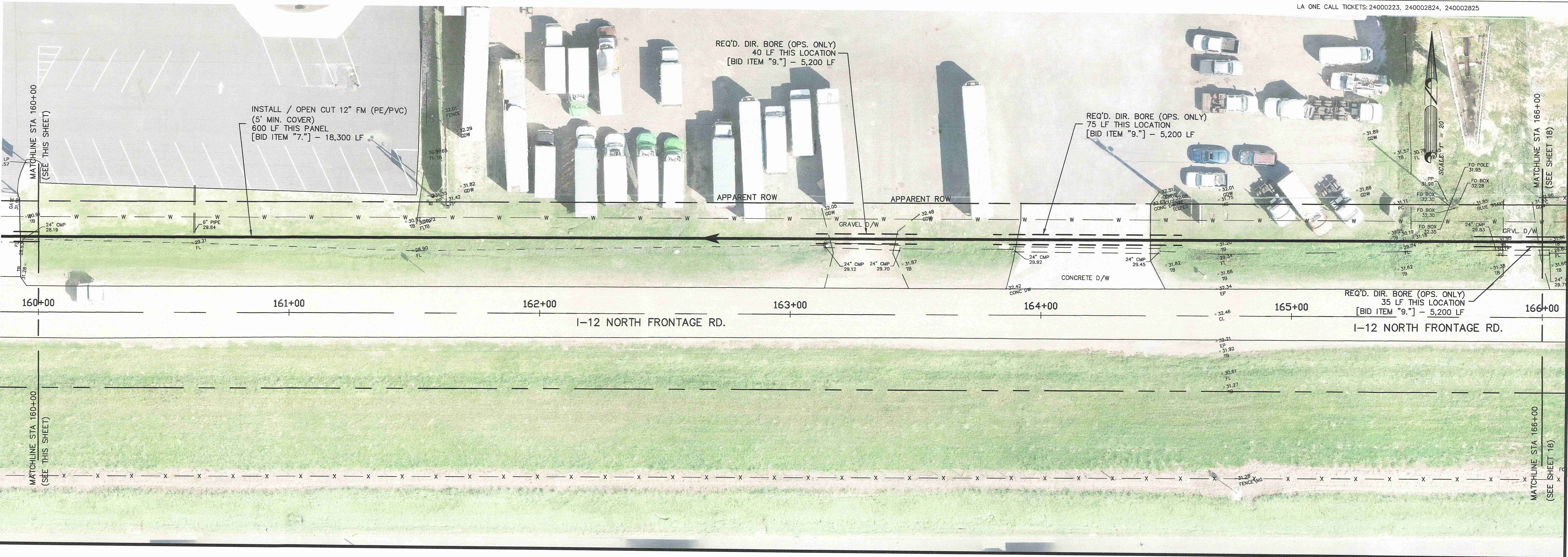


SCALE: 1" = 20'  
 DATE: 3-21-2024  
 DRAWN: RDH  
 CHECKED: J.C.P.  
 REVISED:

**E. PLEASANT RIDGE RD.**

GENERAL NOTE:  
 UTILITIES LOCATIONS ARE SCHEMATIC ONLY, AND SHOULD NOT BE RELIED UPON FOR ACCURACY. THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING EACH AFFECTED UTILITY DIRECTLY, AND HAVING THE LINES LOCATED IN THE FIELD, PRIOR TO EXCAVATIONS IN THE VICINITY OF ANY POTENTIAL CONFLICT. HAND WORK MAY BE NECESSARY WHEN CROSSING OR CLOSELY PARALLELING ANOTHER LINE.

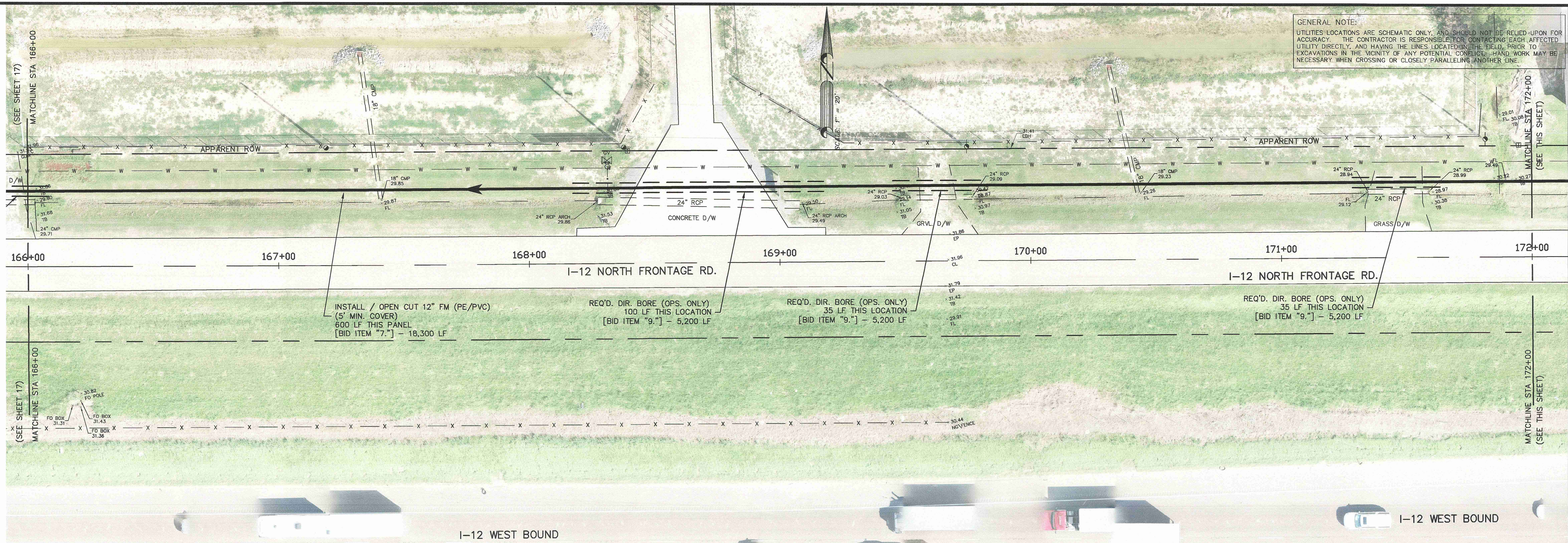
LA ONE CALL TICKETS: 24000223, 240002824, 240002825



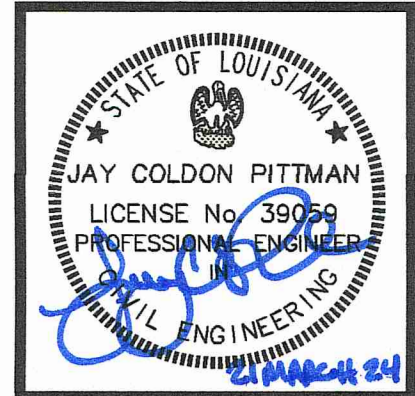
**HAEIDD LIFT STATION AND  
 FORCE MAIN IMPROVEMENTS  
 [FY 2024]  
 for the  
 CITY OF HAMMOND**

**Spangler Engineering, LLC**  
 CONSULTING CIVIL ENGINEERS  
 214 S.W. RAILROAD AVENUE  
 P.O. BOX 1374  
 HAMMOND, LOUISIANA 70404  
 (985) 542-8665 FAX: (985) 542-0046

SHEET  
**17**



GENERAL NOTE:  
 UTILITIES LOCATIONS ARE SCHEMATIC ONLY, AND SHOULD NOT BE RELIED UPON FOR ACCURACY. THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING EACH AFFECTED UTILITY DIRECTLY, AND HAVING THE LINES LOCATED IN THE FIELD, PRIOR TO EXCAVATIONS IN THE VICINITY OF ANY POTENTIAL CONFLICT. HAND WORK MAY BE NECESSARY WHEN CROSSING OR CLOSELY PARALLELING ANOTHER LINE.



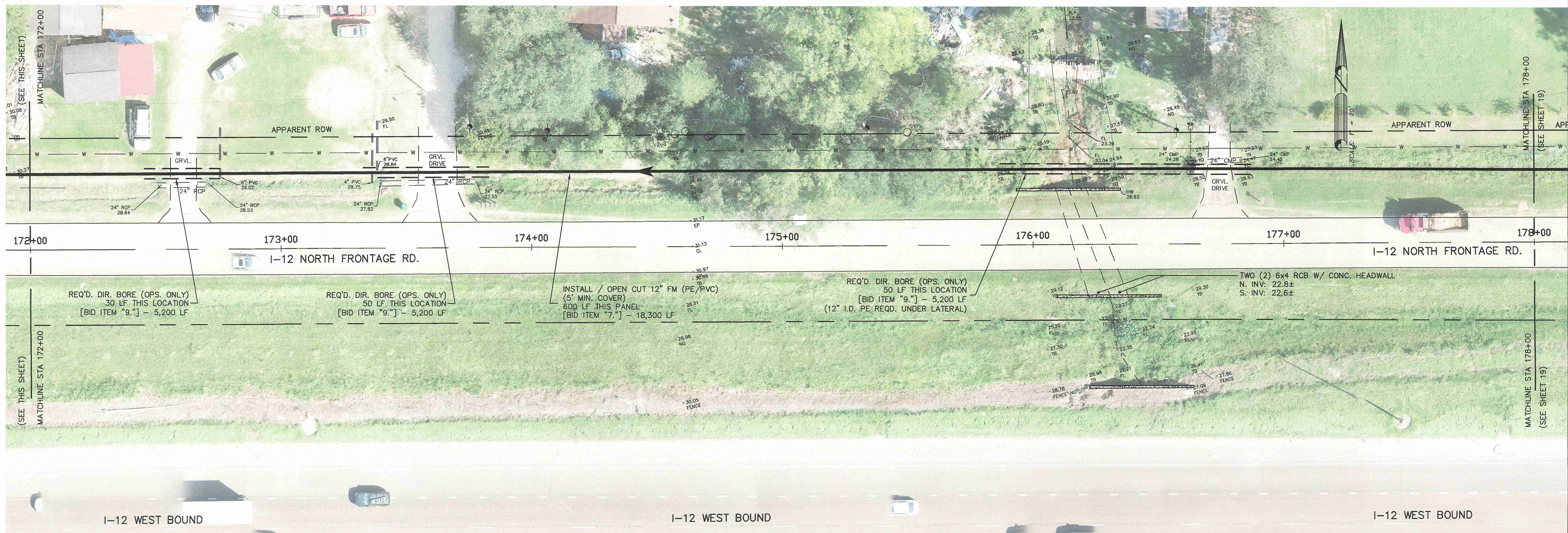
SCALE: 1" = 20'  
 DATE: 3-21-2024  
 DRAWN: RDH  
 CHECKED: J.C.P.  
 REVISED:

**I-12 NORTH FRONTAGE ROAD**

GENERAL NOTE:  
 UTILITIES LOCATIONS ARE SCHEMATIC ONLY, AND SHOULD NOT BE RELIED UPON FOR ACCURACY. THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING EACH AFFECTED UTILITY DIRECTLY, AND HAVING THE LINES LOCATED IN THE FIELD, PRIOR TO EXCAVATIONS IN THE VICINITY OF ANY POTENTIAL CONFLICT. HAND WORK MAY BE NECESSARY WHEN CROSSING OR CLOSELY PARALLELING ANOTHER LINE.

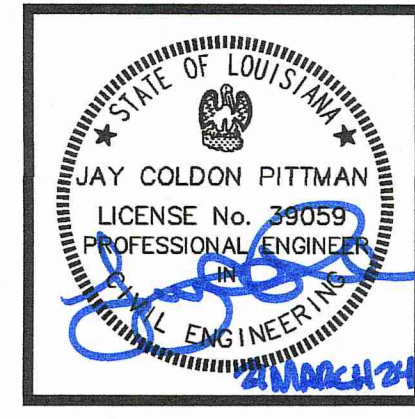
LA ONE CALL TICKETS: 24000223, 240002824, 240002825

**HAEIDD LIFT STATION AND  
 FORCE MAIN IMPROVEMENTS  
 [FY 2024]  
 for the  
 CITY OF HAMMOND**



**Spangler Engineering, LLC**  
 CONSULTING CIVIL ENGINEERS  
 214 S.W. RAILROAD AVENUE  
 P.O. BOX 1374  
 HAMMOND, LOUISIANA 70404  
 (985) 542-8665 FAX: (985) 542-0046

SHEET  
**18**



SCALE: 1" = 20'  
 DATE: 3-21-2024  
 DRAWN: RDH  
 CHECKED: J.C.P.  
 REVISED:

**I-12 NORTH FRONTAGE ROAD**

**HAEIDD LIFT STATION AND  
 FORCE MAIN IMPROVEMENTS  
 [FY 2024]  
 for the  
 CITY OF HAMMOND**

**Spangler Engineering, LLC**  
 CONSULTING CIVIL ENGINEERS  
 214 S.W. RAILROAD AVENUE  
 P.O. BOX 371, 70404  
 HAMMOND, LOUISIANA  
 (985) 542-8665 FAX: (985) 542-0046

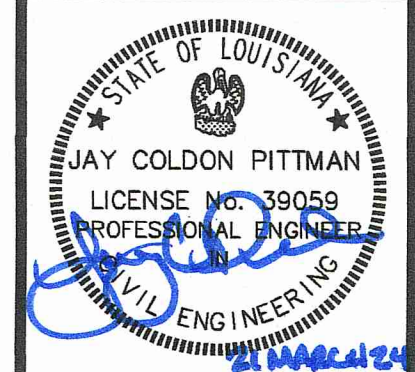


GENERAL NOTE:  
 UTILITIES LOCATIONS ARE SCHEMATIC ONLY, AND SHOULD NOT BE RELIED UPON FOR ACCURACY. THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING EACH AFFECTED UTILITY DIRECTLY, AND HAVING THE LINES LOCATED IN THE FIELD, PRIOR TO EXCAVATIONS IN THE VICINITY OF ANY POTENTIAL CONFLICT. HAND WORK MAY BE NECESSARY WHEN CROSSING OR CLOSELY PARALLELING ANOTHER LINE.

LA ONE CALL TICKETS: 24000223, 240002824, 240002825



I-12 WEST BOUND ON RAMP  
 EXIT 42 (FROM LA HWY 3158)



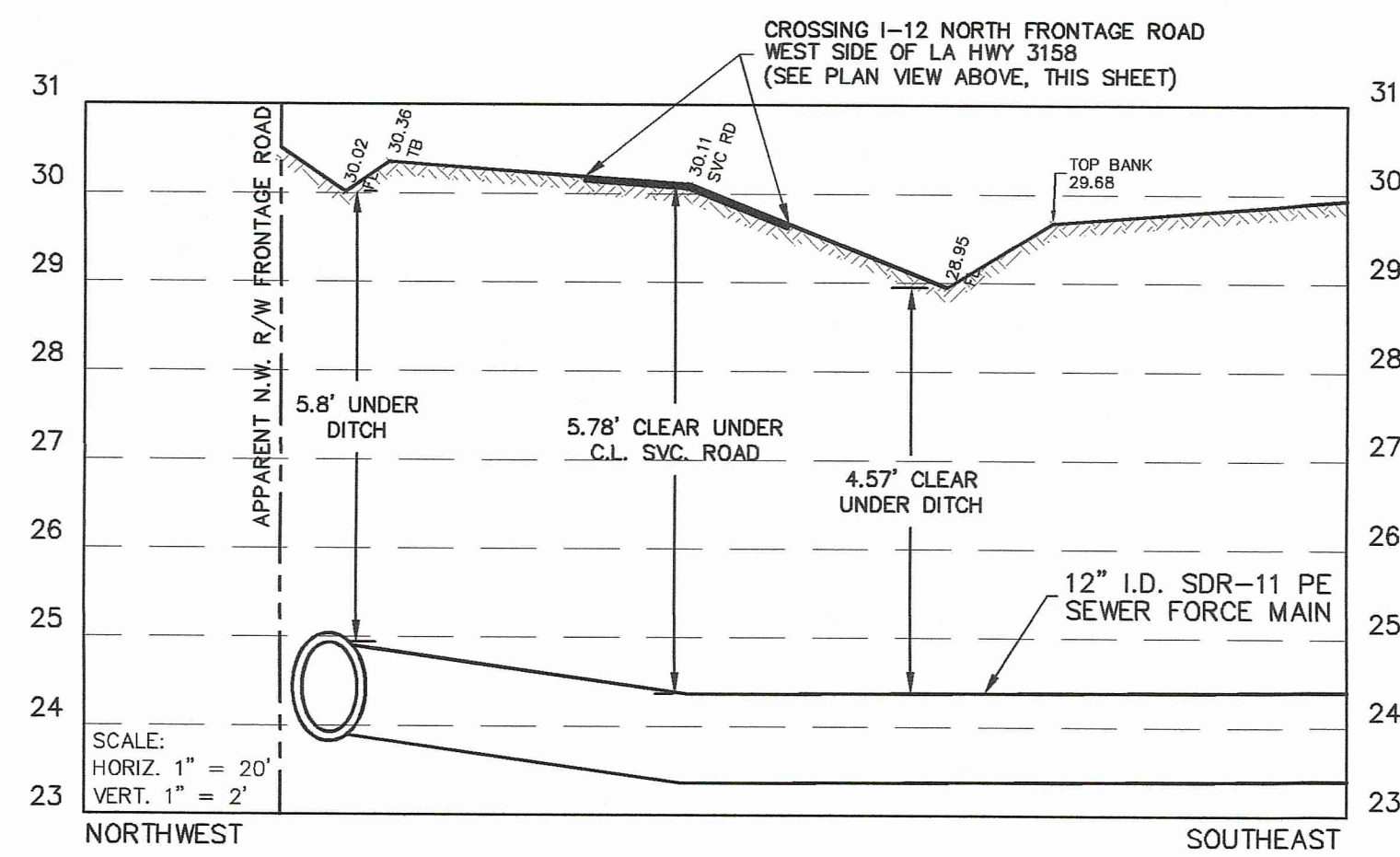
SCALE: 1" = 20'  
 DATE: 3-21-2024  
 DRAWN: RDH  
 CHECKED: J.C.P.  
 REVISED:

**I-12 NORTH FRONTAGE ROAD  
 AT LA HWY 3158  
 (AIRPORT ROAD)**

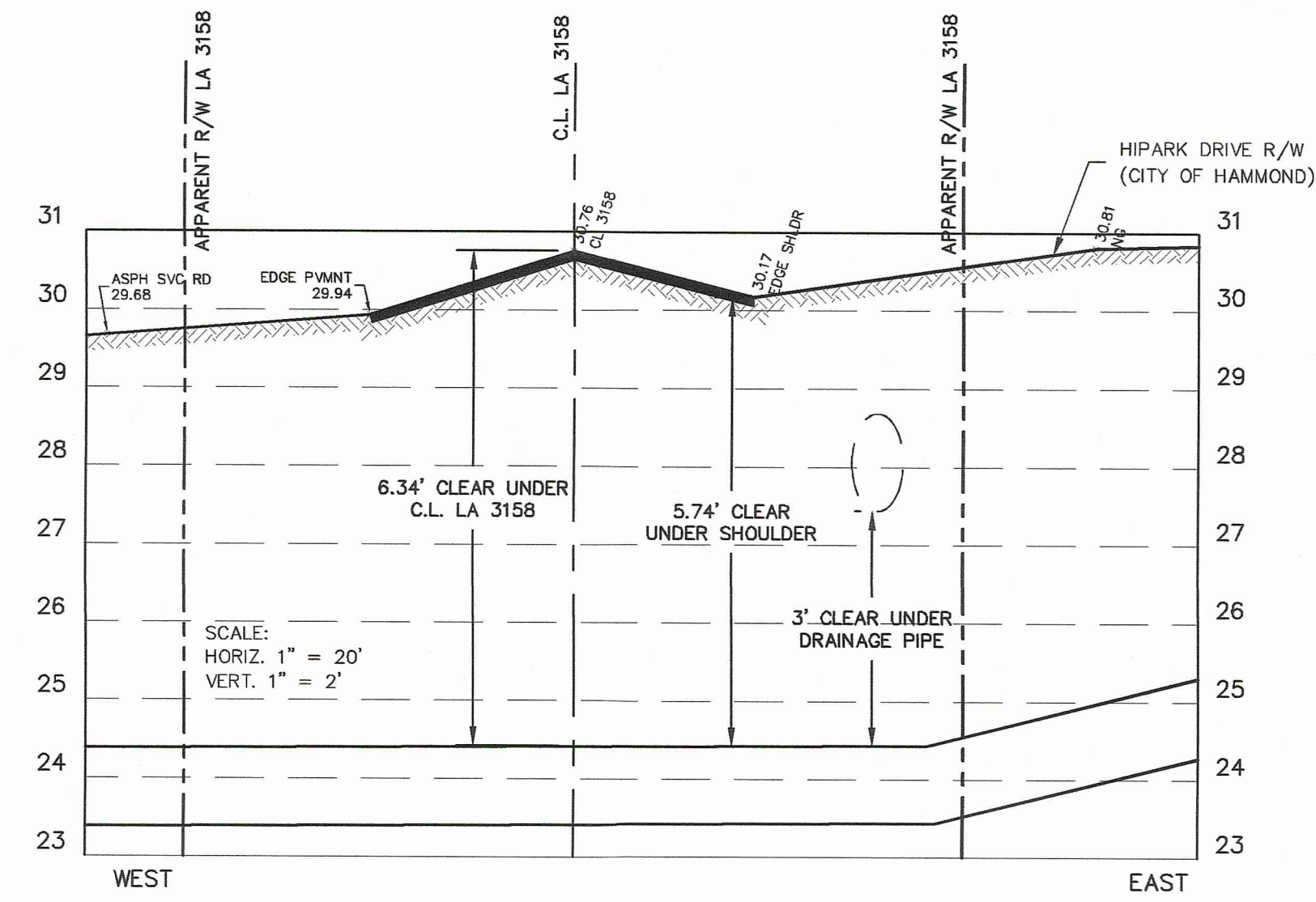
**HAEIDD LIFT STATION AND  
 FORCE MAIN IMPROVEMENTS  
 [FY 2024]  
 for the  
 CITY OF HAMMOND**

**Spangler Engineering, LLC**  
 CONSULTING CIVIL ENGINEERS  
 214 S.W. RAILROAD AVENUE  
 P.O. BOX 1374  
 HAMMOND, LOUISIANA 70404  
 (985) 542-8665 FAX: (985) 542-0046

SHEET  
**20**

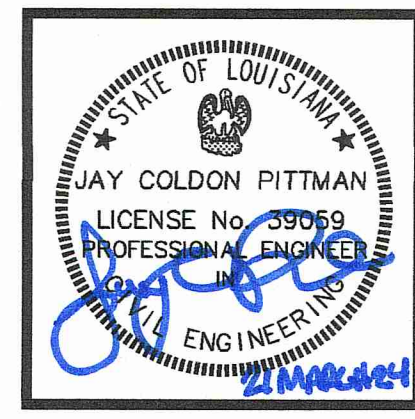


**SECTION B-B**  
 REQ'D. DIRECTIONAL BORE  
 12" I.D. SDR-11 POLYETHYLENE  
 SEWER FORCE MAIN CROSSING I-12 NORTH FRONTAGE ROAD  
 WITH 5' MIN. CLEARANCE UNDER ROADWAY  
 AND 3' MIN. UNDER DITCHES & DRAINAGE STRUCTURES



**SECTION C-C**  
 REQ'D. DIRECTIONAL BORE  
 12" I.D. SDR-11 POLYETHYLENE  
 SEWER FORCE MAIN CROSSING LA HWY 3158  
 WITH 5' MIN. CLEARANCE UNDER ROADWAY  
 AND 3' MIN. UNDER DITCHES & DRAINAGE STRUCTURES

GENERAL NOTE:  
 UTILITIES LOCATIONS ARE SCHEMATIC ONLY, AND SHOULD NOT BE RELIED UPON FOR ACCURACY. THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING EACH AFFECTED UTILITY DIRECTLY, AND HAVING THE LINES LOCATED IN THE FIELD, PRIOR TO EXCAVATIONS IN THE VICINITY OF ANY POTENTIAL CONFLICT. HAND WORK MAY BE NECESSARY WHEN CROSSING OR CLOSELY PARALLELING ANOTHER LINE.  
 LA ONE CALL TICKETS: 24000223, 240002824, 240002825



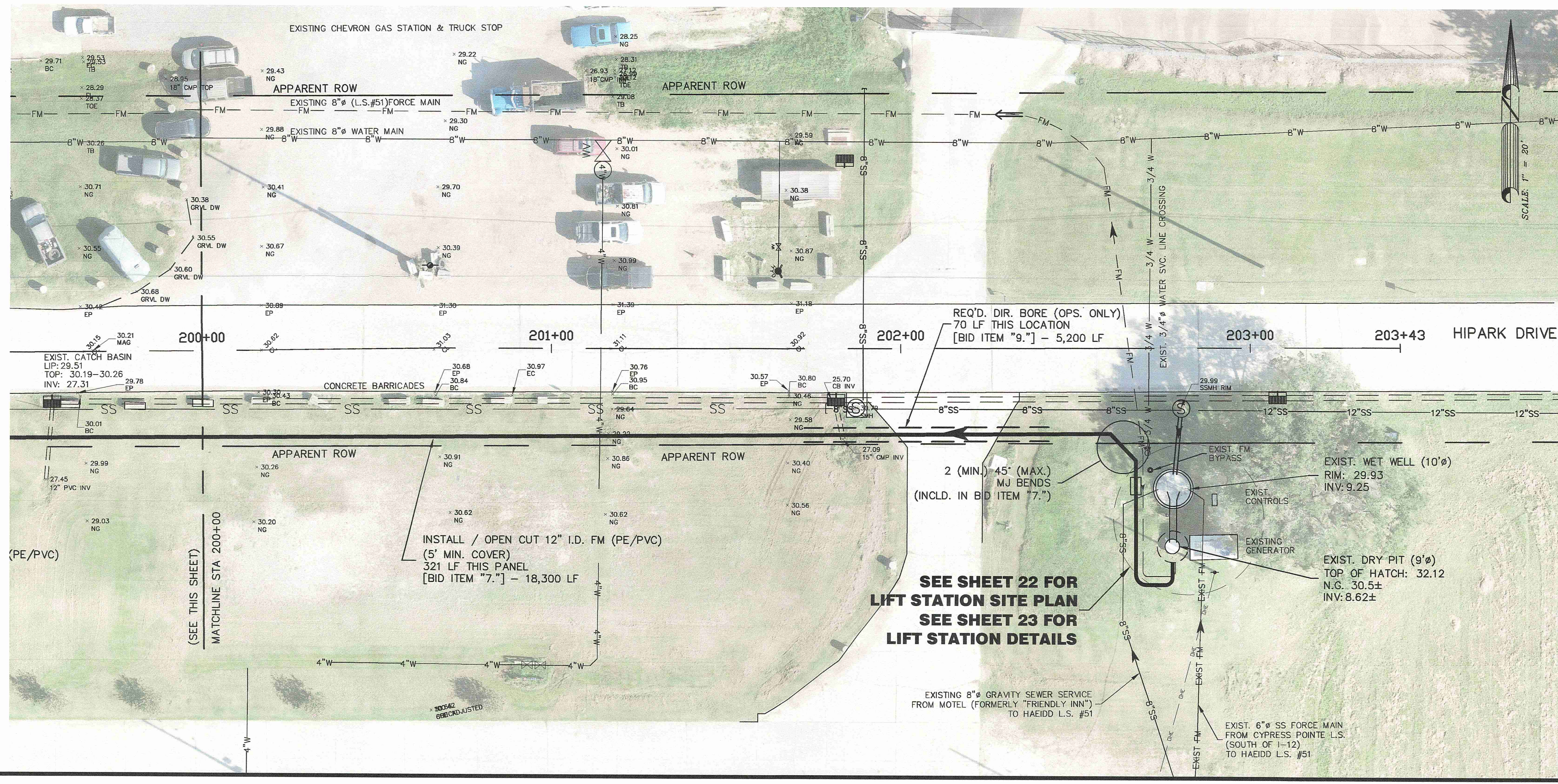
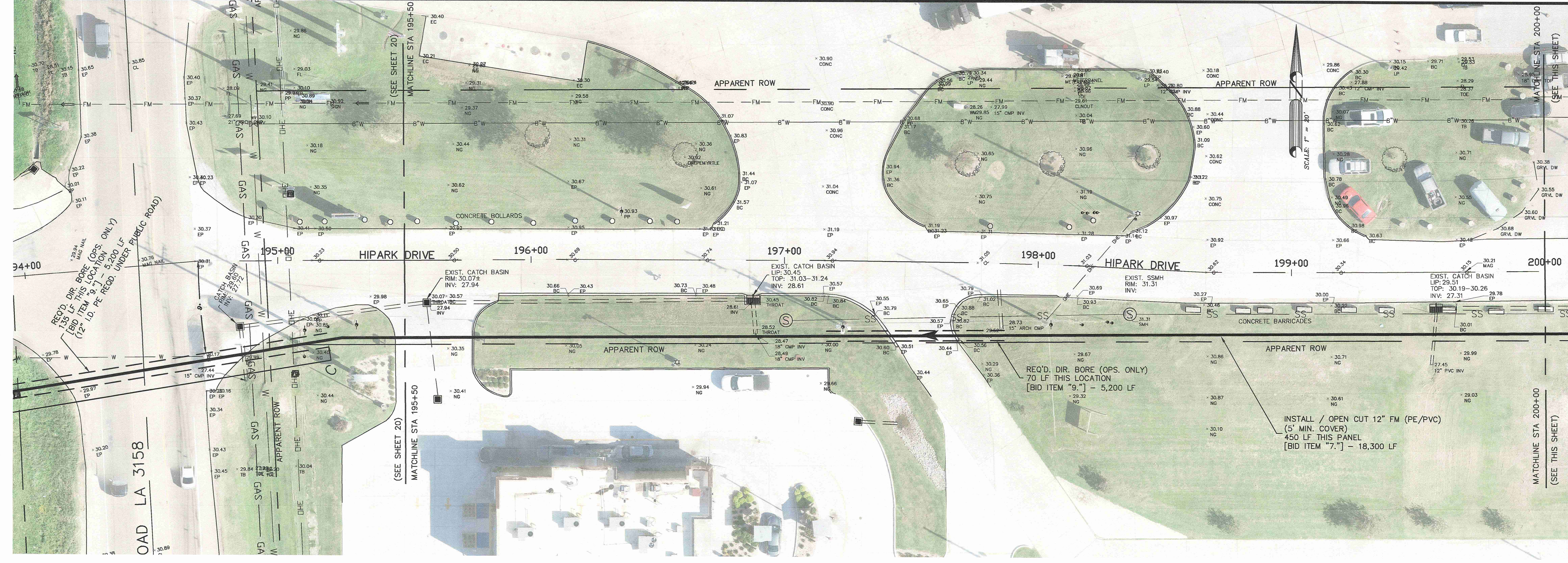
SCALE: 1" = 20'  
 DATE: 3-21-2024  
 DRAWN: RDH  
 CHECKED: J.C.P.  
 REVISED:

**HIPARK DRIVE**

**HAEIDD LIFT STATION AND  
 FORCE MAIN IMPROVEMENTS  
 [FY 2024]  
 for the  
 CITY OF HAMMOND**

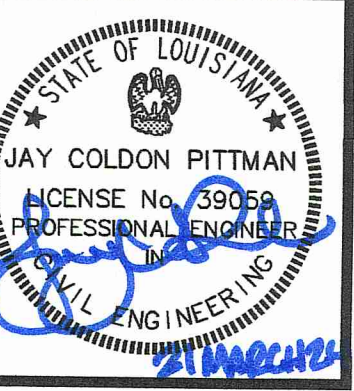
**Spangler Engineering, LLC**  
 CONSULTING CIVIL ENGINEERS  
 214 S.W. RAILROAD AVENUE  
 HAMMOND, LOUISIANA 70404  
 (985) 542-8865 FAX: (985) 542-0046

SHEET  
**21**



**GENERAL NOTE:**  
 UTILITIES LOCATIONS ARE SCHEMATIC ONLY, AND SHOULD NOT BE RELIED UPON FOR ACCURACY. THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING EACH AFFECTED UTILITY DIRECTLY, AND HAVING THE LINES LOCATED IN THE FIELD, PRIOR TO EXCAVATIONS IN THE VICINITY OF ANY POTENTIAL CONFLICT. HAND WORK MAY BE NECESSARY WHEN CROSSING OR CLOSELY PARALLELING ANOTHER LINE.

**SEE SHEET 22 FOR  
 LIFT STATION SITE PLAN  
 SEE SHEET 23 FOR  
 LIFT STATION DETAILS**

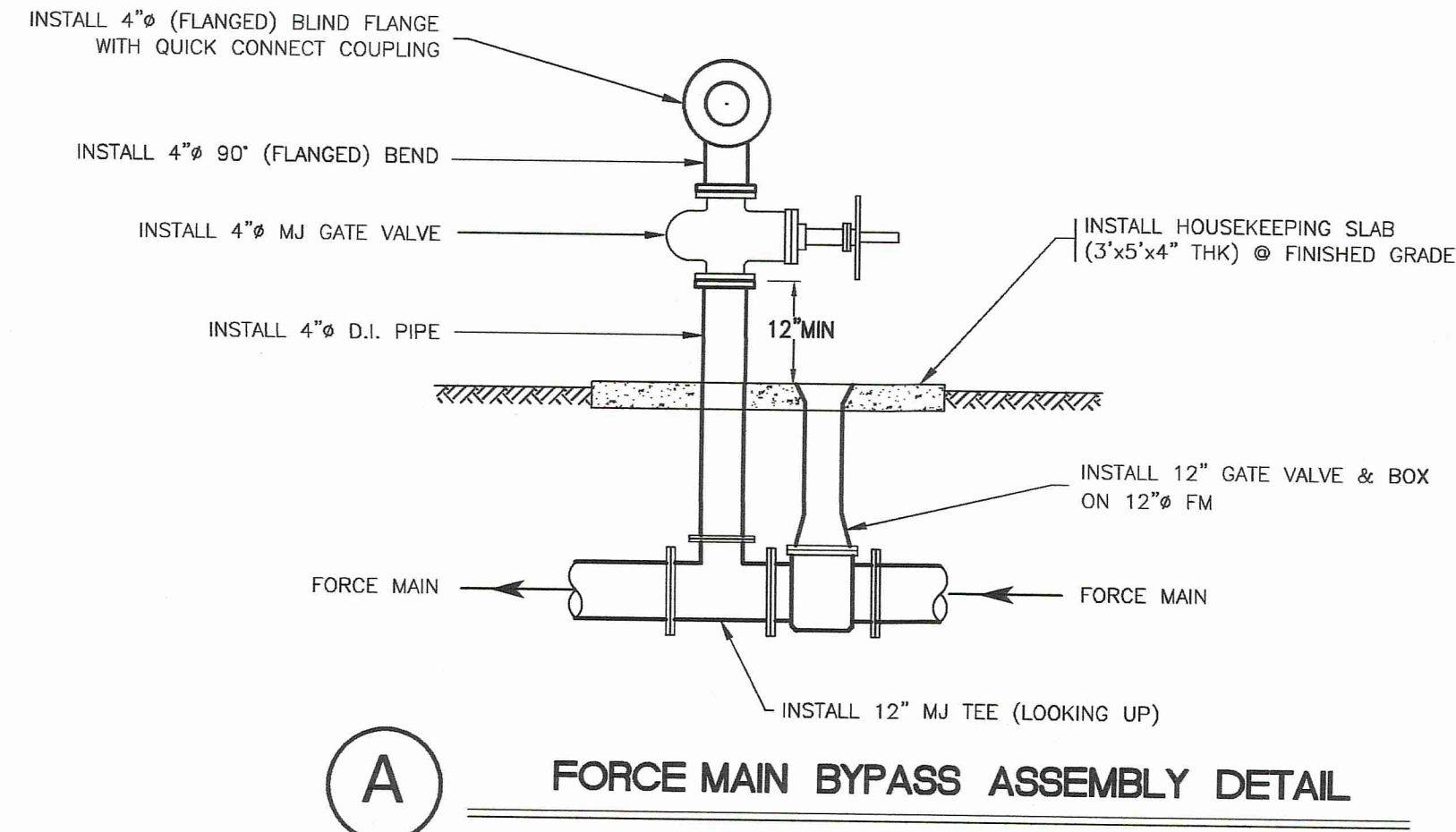


SCALE: 1" = 5'  
 DATE: 3-21-2024  
 DRAWN: RDH  
 CHECKED: J.C.P.  
 REVISED:

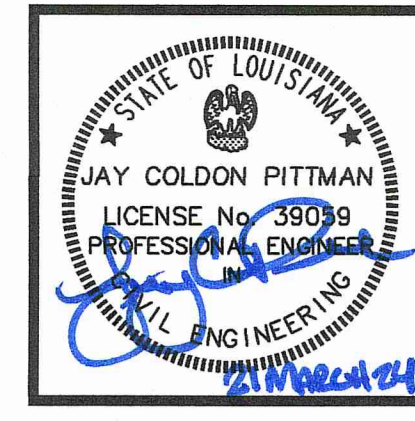
**ENLARGED LIFT STATION SITE PLAN**

**HAEIDD LIFT STATION AND  
 FORCE MAIN IMPROVEMENTS  
 [FY 2024]  
 for the  
 CITY OF HAMMOND**

**Spangler Engineering, LLC**  
 CONSULTING CIVIL ENGINEERS  
 214 S.W. RAILROAD AVENUE  
 P.O. BOX 1374  
 HAMMOND, LOUISIANA 70404  
 (985) 542-8665 FAX: (985) 542-0046



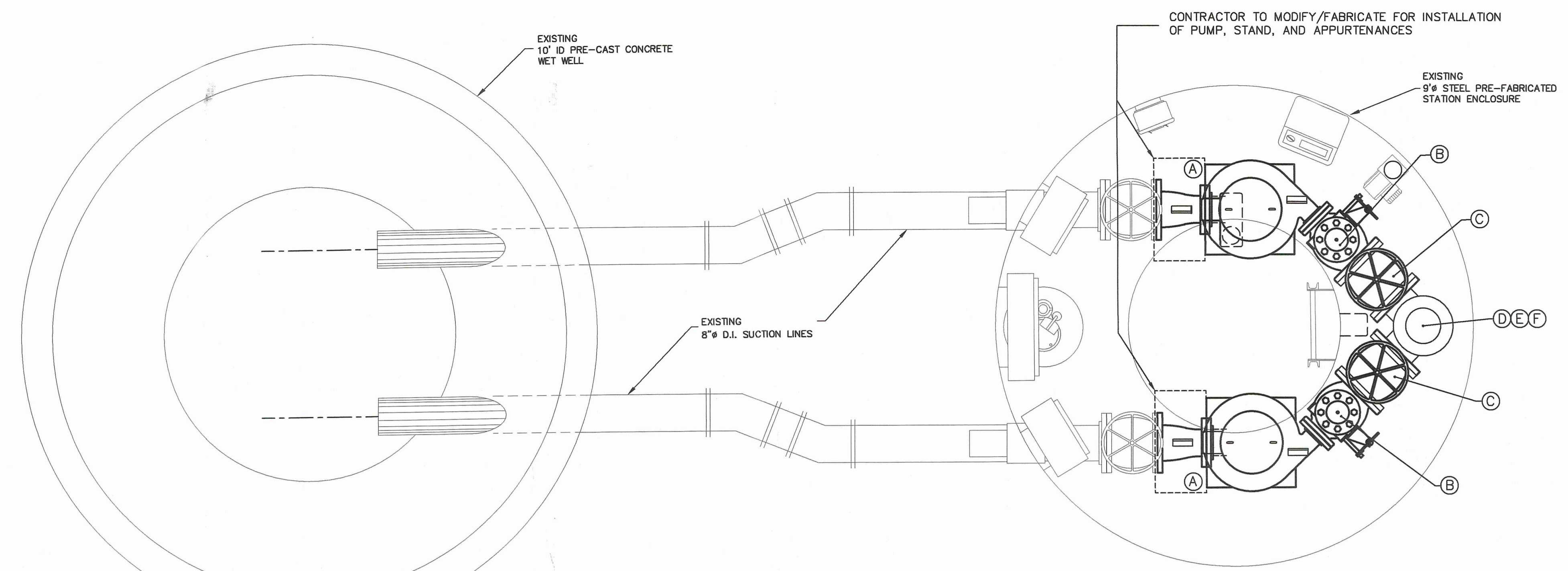
**GENERAL NOTE:**  
 UTILITIES LOCATIONS ARE SCHEMATIC ONLY, AND SHOULD NOT BE RELIED UPON FOR ACCURACY. THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING EACH AFFECTED UTILITY DIRECTLY, AND HAVING THE LINES LOCATED IN THE FIELD, PRIOR TO EXCAVATIONS IN THE VICINITY OF ANY POTENTIAL CONFLICT. HAND WORK MAY BE NECESSARY WHEN CROSSING OR CLOSELY PARALLELING ANOTHER LINE.



**HAEIDD (LIFT STATION No. 51)  
PUMP STATION DESIGN DATA**

TWO 25 HP (MIN.) PUMPS  
 CAPACITY (OPERATING POINT) 800 G.P.M. @ 60 T.D.H.  
 PUMP MODEL: 6ESCDK(8x8)S; IMPELLER DIA.: 340mm.  
 DISCHARGE SIZE: 8".  
 PUMP CONTROL: AUTOMATIC  
 EFFICIENCY: 61%  
 SOLIDS PASSING SIZE: 3".  
 VOLTAGE: 208V.  
 PHASE: 3 PH.  
 CYCLE TIME: ## min.  
 FORCE MAIN SIZE & TYPE: 12"Ø PE/PVC.

SCALE: NONE
DATE: 3-21-2024
DRAWN: RDH
CHECKED: J.C.P.
REVISED:



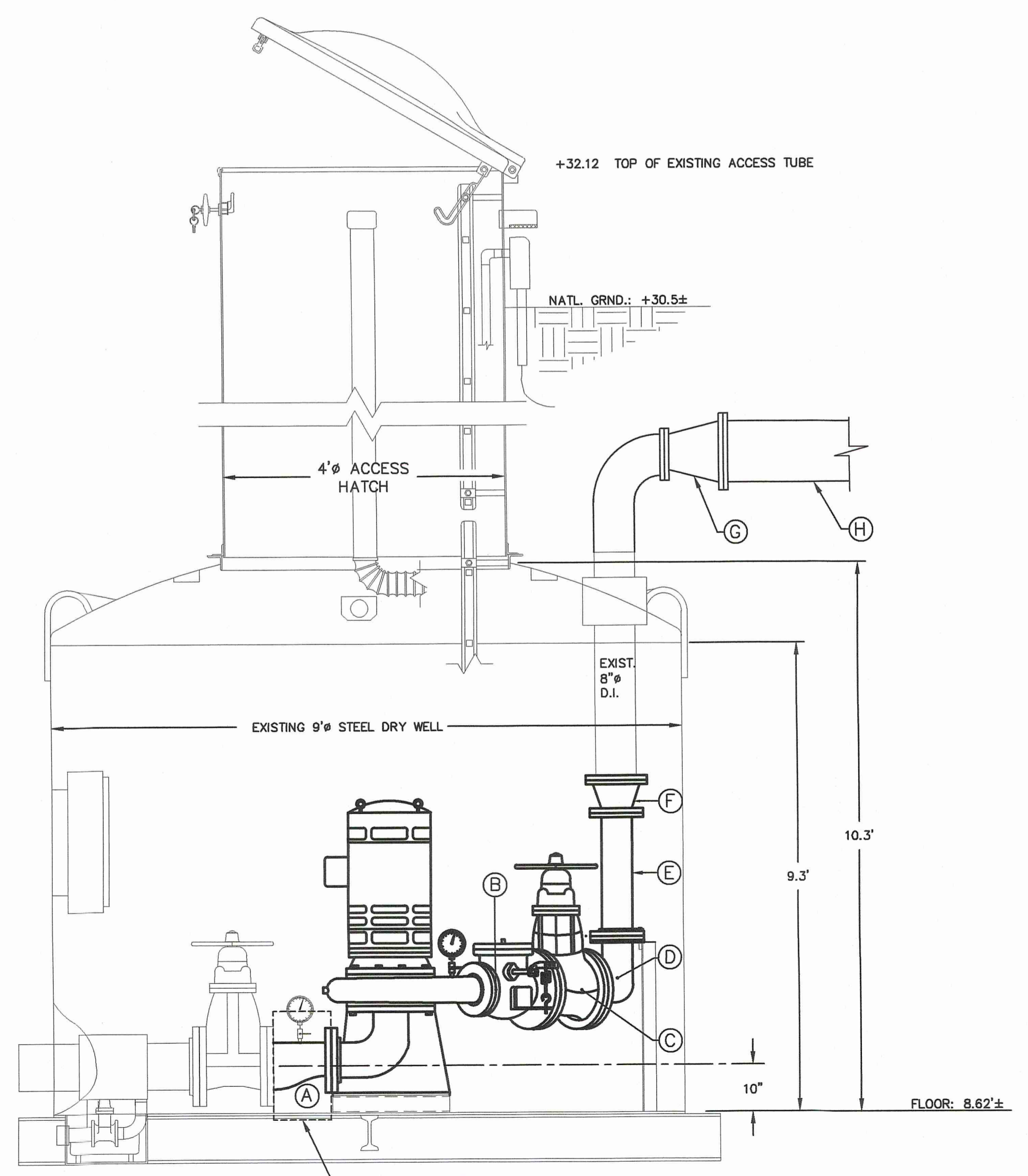
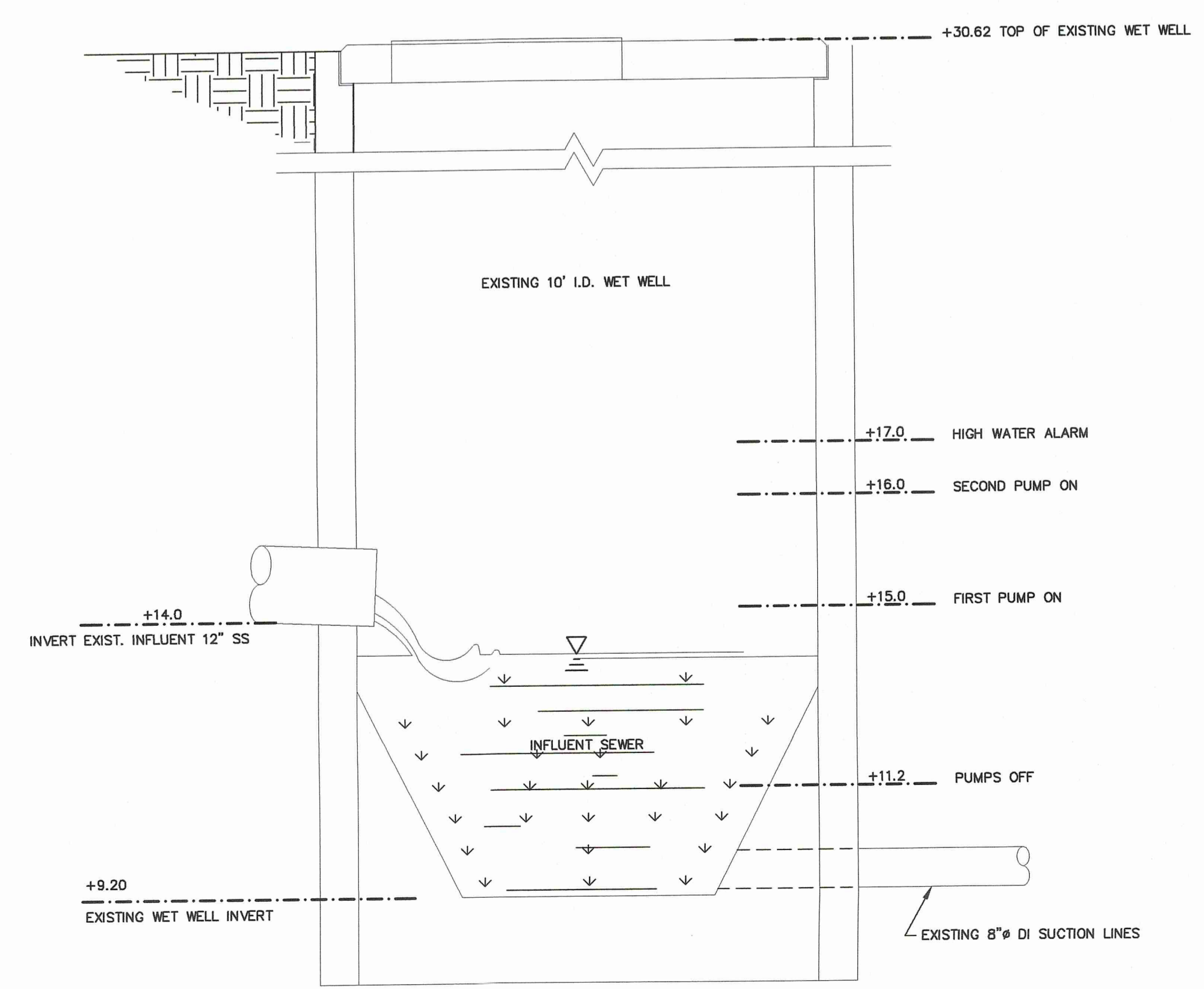
**PLAN VIEW**

**YARD PIPING (HAEIDD L.S. #51)**

[BID ITEM "12."]

- (A) 8" SPOOL PIECE - 2 REQ'D (LENGTH VARIES)
- (B) 6" GA CHECK VALVE (WAFFER STYLE) - 2 REQ'D
- (C) 6" GATE VALVE - 2 REQ'D
- (D) 6"x6"x6" 90° SIDE OUTLET BEND - 1 REQ'D
- (E) 6" SPOOL PIECE - 1 REQ'D (LENGTH VARIES)
- (F) 8"x6" REDUCER - 1 REQ'D
- (G) 8"x12" REDUCER - 1 REQ'D
- (H) 12" SPOOL PIECE - 1 REQ'D (LENGTH VARIES)

REMOVE EXISTING PUMPS, PUMP MOTORS, VALVES AND FITTINGS [INCLUDE IN ITEM "11."]  
 INSTALL DUPLEX PUMPING EQUIPMENT (800 GPM @ 60 TDH) IN EXISTING STATION ENCLOSURE [BID ITEM "11."]  
 CONTRACTOR SHALL VERIFY SIZES, LOCATION, & FITMENT OF VALVES, PUMPS AND FITTINGS

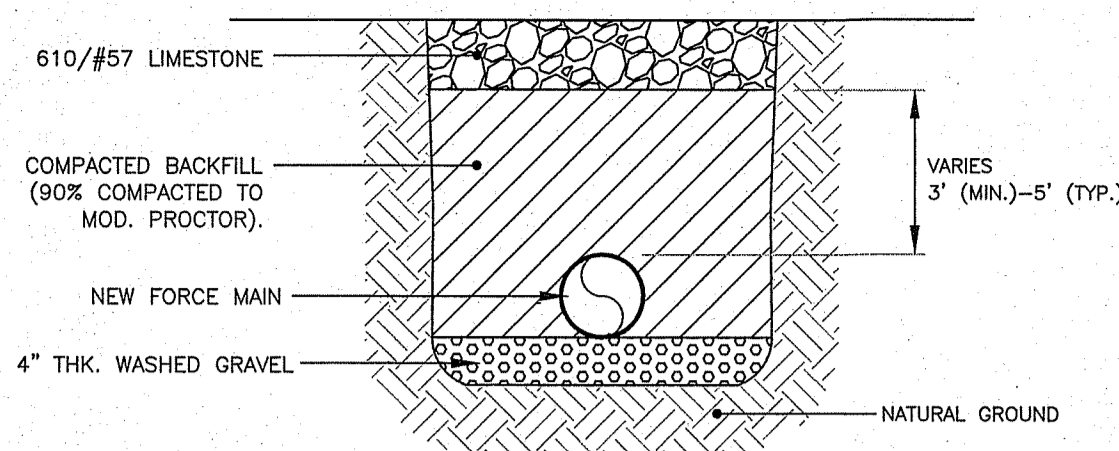


**PROFILE VIEW**

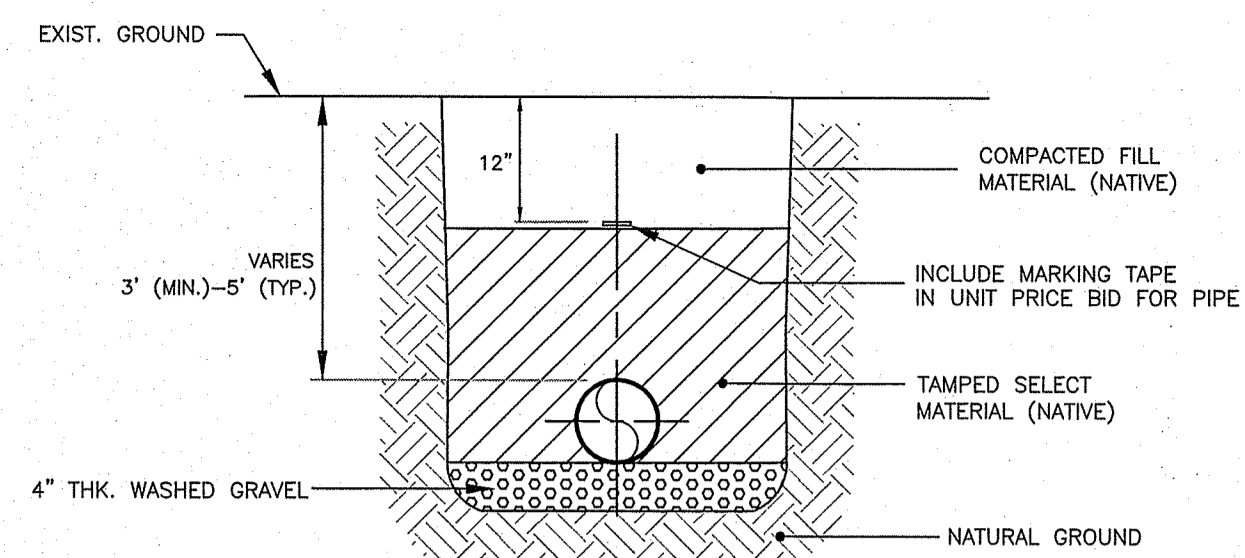
**LIFT STATION DETAILS**

**HAEIDD LIFT STATION AND  
FORCE MAIN IMPROVEMENTS  
[FY 2024]  
for the  
CITY OF HAMMOND**

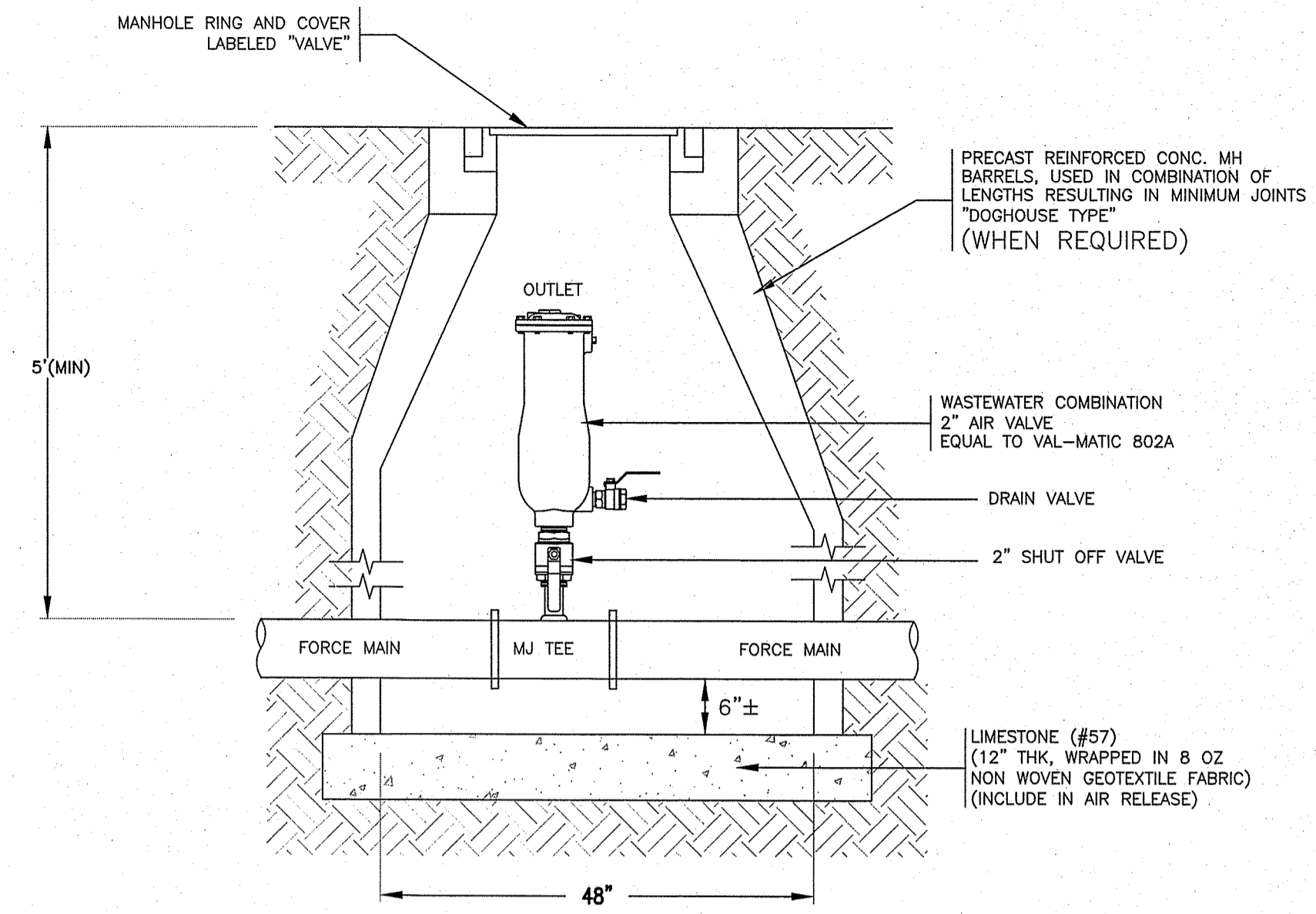
**Spangler Engineering, LLC**  
 CONSULTING CIVIL ENGINEERS  
 214 S.W. RAILROAD AVENUE  
 P.O. BOX 1374  
 HAMMOND, LOUISIANA 70404  
 (985) 542-8665 FAX: (985) 542-0046



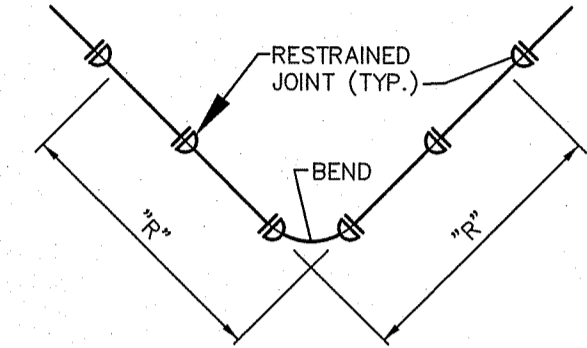
**A REMOVE & REPLACE GRAVEL DRIVE**  
N.T.S.



**B TYP. TRENCH BEDDING BACKFILL DETAIL**  
N.T.S.



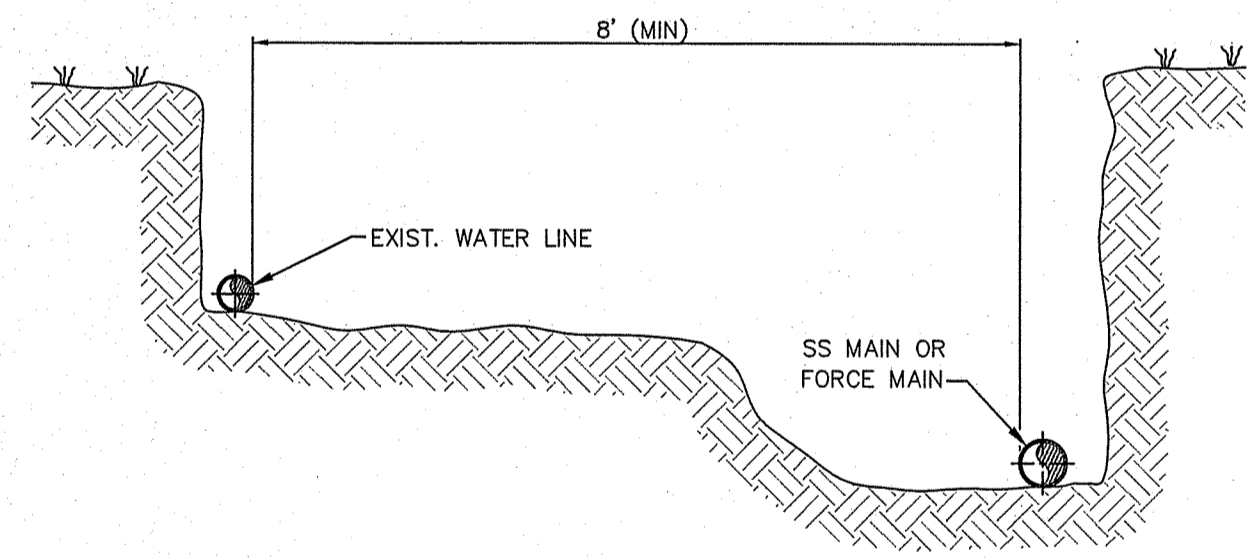
**C AIR RELEASE VALVE DETAIL**  
N.T.S.



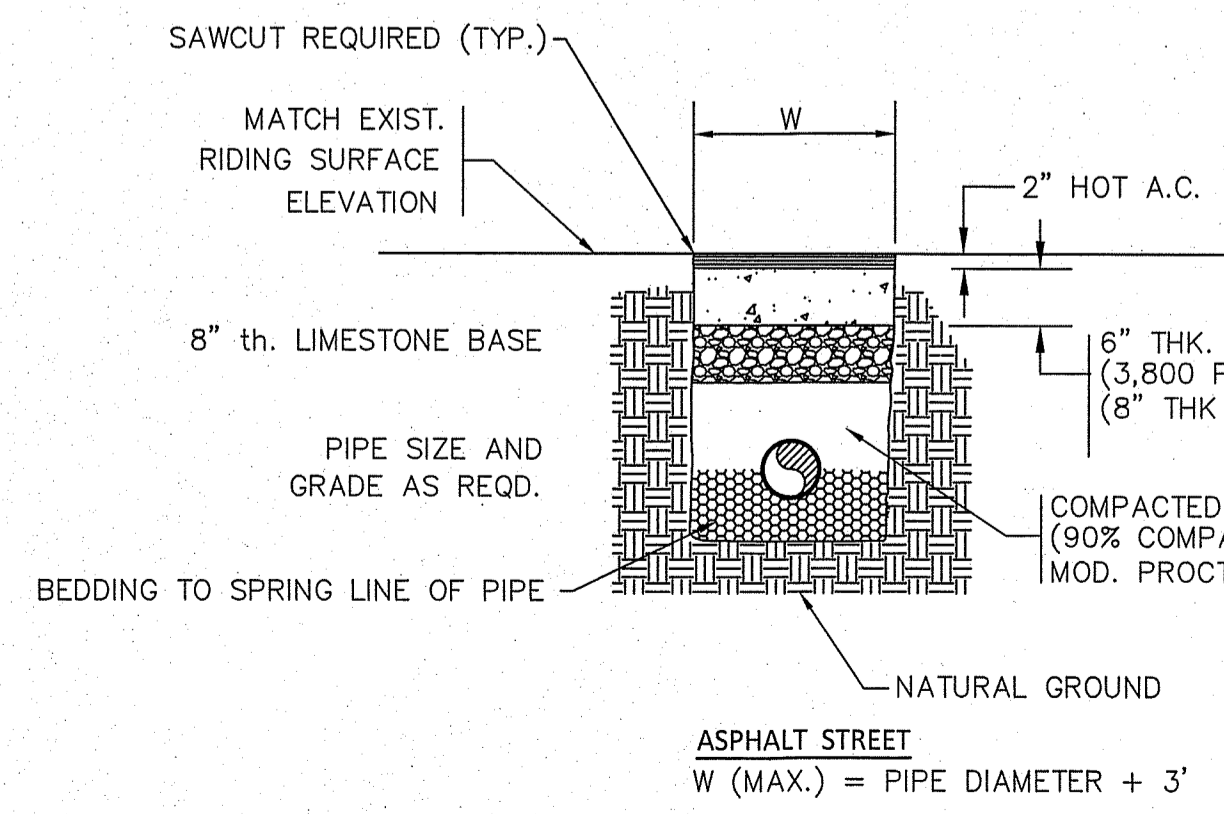
PIPE DIAMETER	"R" FOR 11 1/2° BEND	"R" FOR 22 1/2° BEND	"R" FOR 45° BEND	"R" FOR 90° BEND	"R" FOR TEE
4"	3	9	18	42	42
6"	4	12	24	59	59
8"	5	15	33	77	77
10"	6	18	36	92	92
12"	7	21	45	107	107
14"	8	24	48	121	121
16"	9	27	54	138	138
18"	10	30	60	156	156
20"	11	33	66	174	174
24"	13	39	78	214	214
30"	15	45	90	254	254
36"	17	51	102	294	294
42"	20	60	120	334	334
48"	21	63	126	364	364
54"	23	69	138	404	404

- NOTES:
1. RESTRAINED JOINT PIPE SHALL BE USED AT ALL BENDS.
  2. THE LENGTH OF RESTRAINED PIPE ON EACH SIDE OF THE BEND SHALL BE NOT LESS THAN THE "R" DISTANCES GIVEN ABOVE.
  3. THE FIRST JOINT OF THE PIPE BEYOND THE DISTANCE "R" ESTABLISHED ABOVE SHALL BE RESTRAINED ALONG WITH ALL JOINTS WITHIN THE DISTANCE "R".
  4. INCREASE "R" DISTANCE BY A FACTOR OF 1.5 WHEN EITHER PVC OR POLYETHYLENE WRAPPED DUCTILE IRON PIPE IS USED.

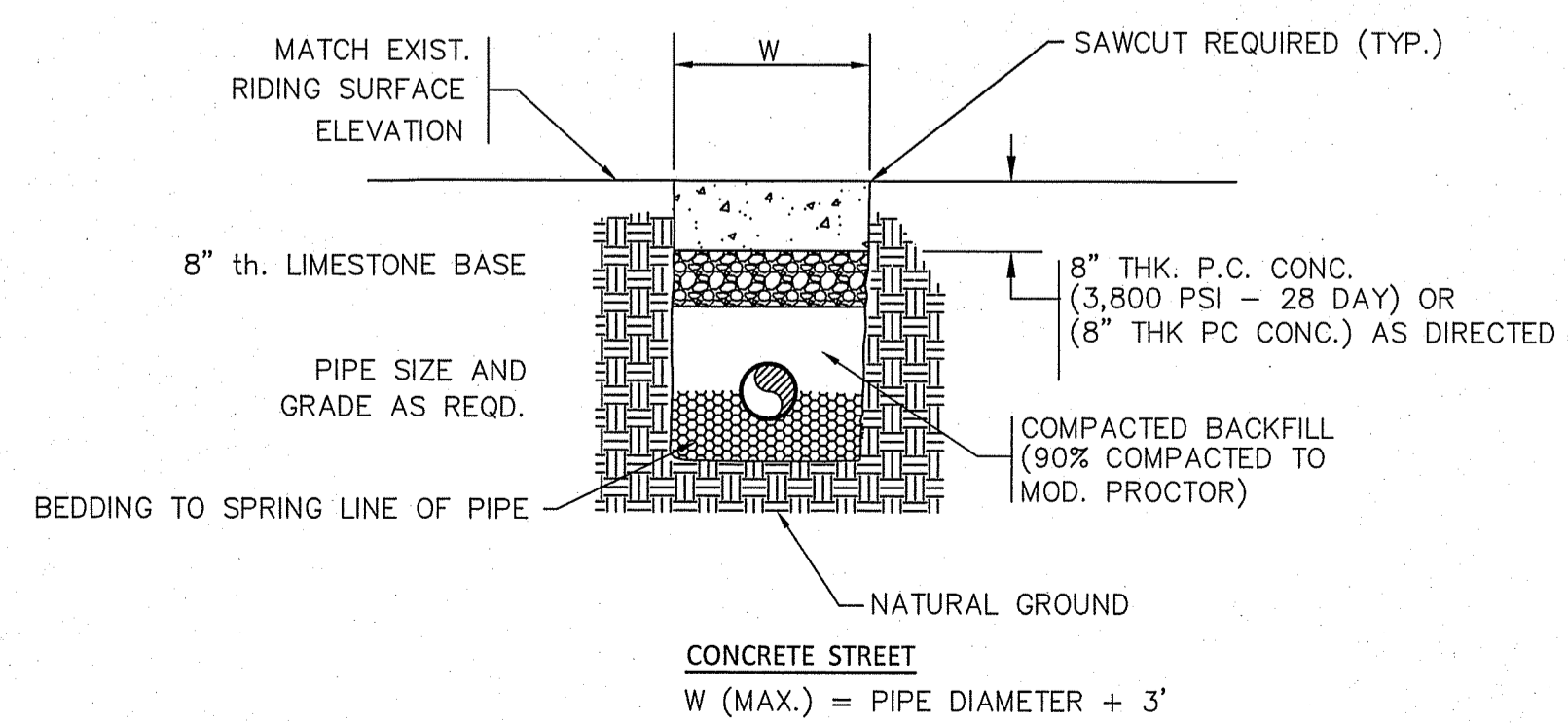
**D RESTRAINED JOINT DETAIL**  
N.T.S.



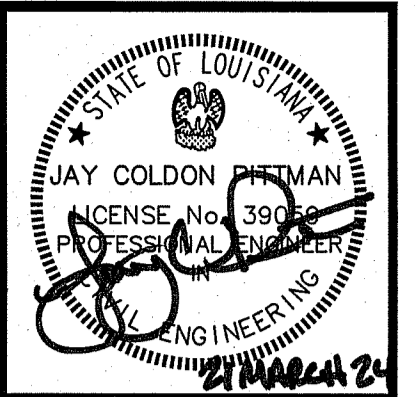
**E WATER LINE PARALLELING SEWER LINE**  
N.T.S.



**F STREET OPEN CUT REPAIR (ASPHALT)**  
N.T.S.



**G STREET OPEN CUT REPAIR (CONCRETE)**  
N.T.S.



SCALE: N.T.S.  
DATE: 3-21-2024  
DRAWN: RDH  
CHECKED: J.C.P.  
REVISED:

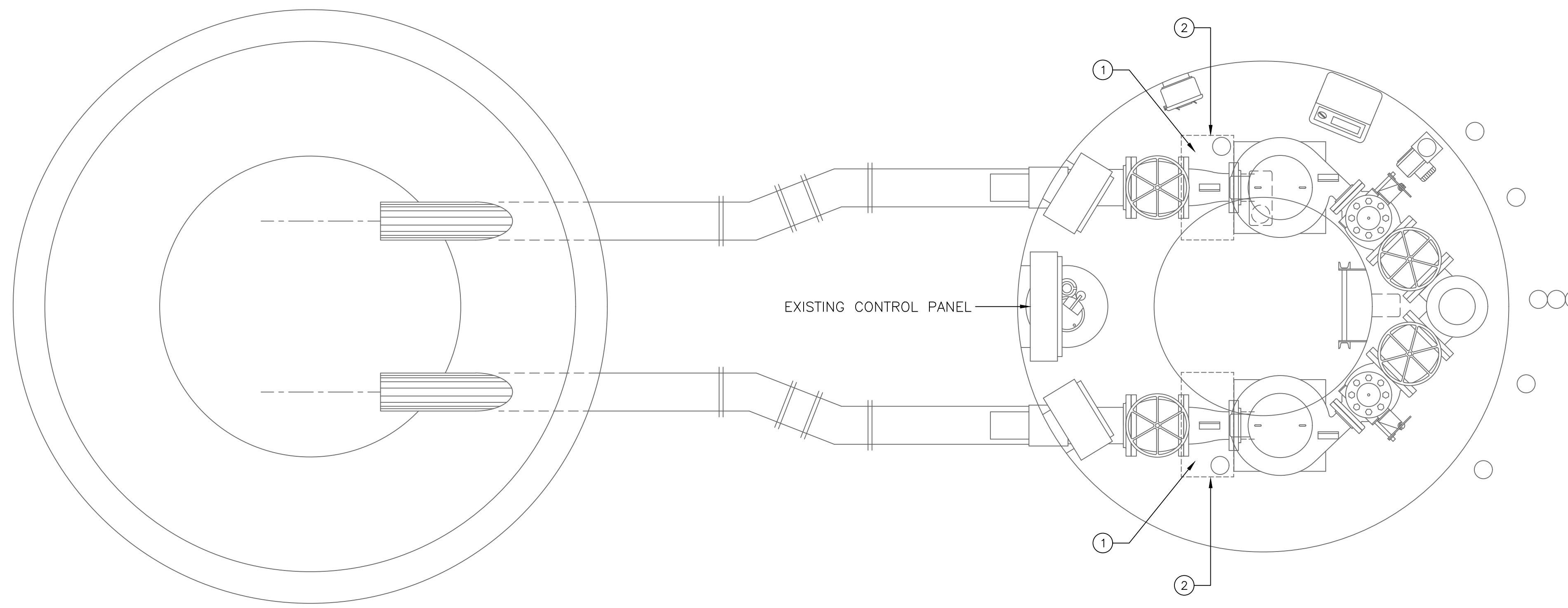
STANDARD DETAILS

HAEIDD LIFT STATION AND FORCE MAIN IMPROVEMENTS [FY 2024] for the CITY OF HAMMOND

Spangler Engineering, LLC  
CONSULTING CIVIL ENGINEERS  
214 S.W. RAILROAD AVENUE  
P.O. BOX 1374  
HAMMOND, LOUISIANA 70404  
(985) 542-8665 FAX: (985) 542-0046

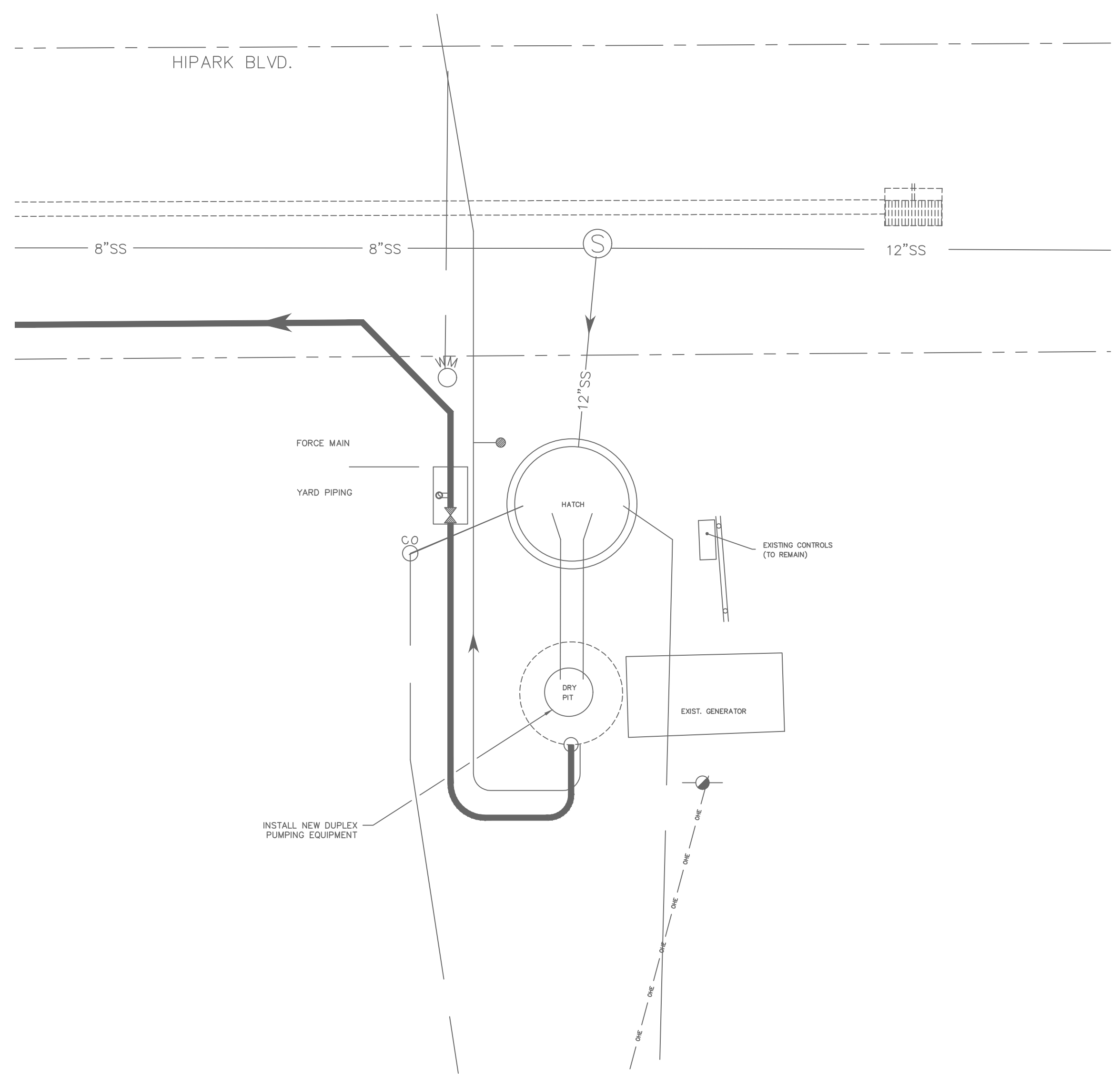
SHEET  
**24**





**HAIDD ELECTRICAL PUMP DETAIL (PLAN VIEW)**

NO SCALE



**HAIDD ELECTRICAL SITE PLAN**

SCALE: 1/8"=1'-0"

**ELECTRICAL SERVICE:**  
 120/208 VOLT THREE PHASE  
 2-25HP MOTORS  
 53.9 KVA CONNECTED LOAD

**ELECTRICAL NOTES:**  
 ① DISCONNECT AND REMOVE EXISTING WIRE, BREAKERS, STARTERS, AND ETC ASSOCIATED WITH 40 HP MOTORS BEING REPLACED. EXISTING CONDUIT TO BE REUSED.  
 ② PROVIDE 3#2, 1#8 GROUND IN EXISTING CONDUIT TO A 100/3 CIRCUIT BREAKER AND STARTER IN EXISTING CONTROL PANEL. CONTRACTOR TO PROVIDE BREAKER AND STARTER.

**ELECTRICAL SPECIFICATIONS**

**SCOPE**  
 A. INCLUDES ELECTRICAL WIRING IN CONDUIT FOR LIGHTING, POWER AND CONTROL CIRCUITS.

**STANDARDS**  
 A. WRITTEN INSTRUCTIONS OF MANUFACTURER.  
 B. NATIONAL ELECTRICAL CODE.  
 C. UNDERWRITERS' LABORATORY (UL).  
 D. STATE AND LOCAL CODES.

**PERMITS AND INSPECTIONS**  
 A. OBTAIN NECESSARY APPROVAL.  
 B. PAY FOR REQUIRED PERMITS AND TESTS.

**MATERIAL**  
 A. PROVIDE INSERTS, HANGERS, SUPPORTS, CABLES, PULL BOXES, DISCONNECTS, SWITCHES, ETC.  
 B. ALL WIRING MUST RUN IN CONDUIT.  
 C. EMT MAY BE USED WITHIN CODE LIMITS.  
 D. DO NOT USE ALUMINUM CONDUIT IN SLAB OR BURIED.  
 E. NO BRANCH CIRCUITS CAN BE LESS THAN #12; ALL BRANCH CIRCUITS #8 AND SMALLER SHALL HAVE THHN/THWN 600 VOLT INSULATION. ALL BRANCH CIRCUITS #6 AND LARGER SHALL HAVE THHN/THWN 600 VOLT INSULATION. ALL BRANCH CIRCUITS SHALL BE COPPER.  
 F. FEEDERS SHALL HAVE THHN/THWN 600 VOLT INSULATION. ALL FEEDERS SHALL BE COPPER.  
 G. COLOR CODE CONDUCTORS.  
 H. ALL CONDUITS SHALL HAVE A GROUNDING CONDUCTOR.  
 I. USE FLEXIBLE CONDUIT 12" LONG FOR MOTOR CONNECTIONS. (SEAL TIGHT IN WET LOCATIONS.)  
 J. WIRE ALL FIELD ASSEMBLED DEVICES FOR MECHANICAL EQUIPMENT FURNISHED BY MECHANICAL CONTRACTOR.  
 K. PROVIDE CONDUIT AND SERVICE FOR TELEPHONE.  
 L. CIRCUIT BREAKERS AND STARTERS SHALL BE COMPATIBLE WITH EXISTING SIEMENS CONTROL PANEL.

**INSTALLATIONS**  
 A. COMPLY WITH NATIONAL ELECTRICAL CODE, STATE, AND LOCAL GOVERNING AUTHORITIES.  
 B. NEAT, UNIFORM RUN EXPOSED CONDUIT AT RIGHT ANGLES TO STRUCTURE AND CLAMP RIGID.

**PROPERLY TEST AND CERTIFY INSTALLATION**  
 A. THE SUB-CONTRACTOR FOR THIS WORK SHALL BE REQUIRED TO KEEP THE WORK INSTALLED BY HIM IN REPAIR AND PERFECT WORKING ORDER TO ONE YEAR FROM THE DATE OF COMPLETION AND FINAL ACCEPTANCE. CONTRACTOR SHALL FURNISH, FREE OF COST TO OWNER, ALL MATERIALS AND LABOR NECESSARY TO COMPLY WITH THIS GUARANTEE.  
 B. AFTER INSTALLATION IS COMPLETE AND AT SUCH TIME AS THE ARCHITECT AND/OR ENGINEERS MAY DIRECT, CONTRACTOR SHALL CONDUCT AN OPERATING TEST FOR APPROVAL. EQUIPMENT SHALL BE DEMONSTRATED TO OPERATE IN ACCORDANCE WITH THE REQUIREMENTS OF THIS SPECIFICATION. THE TEST SHALL BE PERFORMED IN THE PRESENCE OF THE ARCHITECTS AND/OR ENGINEERS. CONTRACTOR SHALL FURNISH ALL INSTRUMENTS AND PERSONNEL REQUIRED FOR THE TEST.



SCALE: AS SHOWN  
 DATE: 3-21-2024  
 DRAWN: KR  
 CHECKED: AC,JF  
 REVISED:

**ELECTRICAL DETAIL AND  
 SITE PLAN**

**HAIDD LIFT STATION AND  
 FORCE MAIN IMPROVEMENTS  
 [FY 2024]  
 for the  
 CITY OF HAMMOND**

**Spangler Engineering, LLC**  
 CONSULTING CIVIL ENGINEERS  
 214 S.W. RAILROAD AVENUE  
 P.O. BOX 1374  
 HAMMOND, LOUISIANA 70404  
 (985) 542-8665 FAX: (985) 542-0046

1304 BERTRAND DRIVE SUITE F7  
 LAFAYETTE, LOUISIANA 70506  
 (337) 234-7474 • FAX (337) 234-7774

Electrical Contact: Andrew Crain, P.E.  
 andrew@seccconsulting.com

PROJECT No.: 24021.00

