	DRAWING INDEX	
NO.	SHEET TITLE	
0	COVER SHEET	
1	GENERAL NOTES	
2	DEMOLITION PLAN	
3	DEMOLITION PLAN	
4	DEMOLITION NOTES	
5	KEY MAP CONCEPTUAL UTILITY PLAN CONCEPTUAL UTILITY PLAN CONCEPTUAL UTILITY PLAN CONCEPTUAL PUMP STATION DETAILS	
6		
7		
 B		
9		
10	STANDARD DETAILS	
 11	STANDARD DETAILS	
12	STANDARD DETAILS	
13	STANDARD DETAILS	
14	STANDARD DETAILS	
 15	STANDARD DETAILS	
16	STANDARD DETAILS	
17	STANDARD DETAILS	
18	STORMWATER POLLUTION PREVENTION PLAN	
19	ELECTRICAL NOTES, SYMBOLS AND ABBREVIATIONS	
20	ELECTRICAL SITE PLAN	
 21	SINGLE LINE DIAGRAM	
 22	CONTROL PANEL BILL OF MATERIALS	
 23	CONTROL PANEL EXTERIOR LAYOUT	
24	CONTROL PANEL COMPONENT LAYOUT	
 25	CONTROL PANEL ELEMENTARY DIAGRAM - SHEET 1	
 26	CONTROL PANEL ELEMENTARY DIAGRAM - SHEET 2	
27	CONTROL PANEL ELEMENTARY DIAGRAM - SHEET 3	
28	CONTROL PANEL INTERCONNECTION WIRING DIAGRAM	
29	ENLARGED ELECTRICAL PLAN	
30	ELECTRICAL DETAILS - 1	
31	ELECTRICAL DETAILS - 2	
	1	
		



CITY OF FORT LAUDERDALE

PROJECT #12412

PUMP STATION A-16 UPGRADE

WASTEWATER DESIGN CRITERIA PACKAGE

SE CORNER OF SE 11TH STREET & SE 3RD AVENUE

FORT LAUDERDALE, FLORIDA

PREPARED BY:



FLOOD ZONE: AH BASE FLOOD ELEVATION (BFE): 6.0' NAVD 1988

ATTENTION, THESE PLANS MAY HAVE BEEN REDUCED IN SIZE BY REPRODUCTION.

THIS MUST BE TAKEN INTO ACCOUNT WHEN OBTAINING SCALED DATA.



PROJECT #12412
PUMP STATION A-16 UPGRADE
WASTEWATER DESIGN CRITERIA PACKAGE
SE CORNER OF SE 11TH STREET & SE 3RD AVENUE

CITY of FORT LAUDERDALE
PUBLIC WORKS DEPARTMENT
ENGINEERING & ARCHITECTURE

100 North Andrews Avenue, Fort Lauderdale, Florida 33301

FORT LAUDERDALE CITY COMMISSION

DEAN J. TRANTALIS

HEATHER MORAITIS

STEVEN GLASSMAN

ROBERT McKINZIE

BEN SORENSEN

MAYOR

COMMISSIONER - DISTRICT II

COMMISSIONER - DISTRICT III

COMMISSIONER - DISTRICT IV

PROJECT MANAGER
JORGE HOLGUIN
GARY R. RATAY
NATHANIEL HAMMOND

JOB TITLE
PROJECT MANAGER
ENGINEER OF RECORD
ELECTRICAL ENGINEER

PHONE NO. (954)828-5675 (954)535-5112 (404)769-6636

DATE: 03/10/21

CAD FILE: 12412-000-000COVR

DRAWING FILE No.: 4-142-31

DESIGN CRITERIA PACKAGE

GENERAL NOTES:

- DESIGN BUILD FIRM SHALL MAINTAIN ACCESS TO PRIVATE PROPERTIES AT ALL TIMES.
- REFER TO SPECIFICATION SECTION 01010 AND 15060 FOR DETAILED REQUIREMENTS FOR SEQUENCE OF CONSTRUCTION AND CONSTRUCTION CONSTRAINTS.
- RECORD DRAWINGS USED FOR EXISTING FEATURES. RECORD DRAWINGS MAY BE OBTAINED FROM THE OWNER UPON REQUEST.
- 4. DESIGN BUILD FIRM SHALL PROVIDE ALL FIELD SURVEY AND GEOTECHNICAL SERVICES BEFORE COMMENCEMENT OF ANY CONSTRUCTION ACTIVITIES. DESIGN BUILD FIRM SHALL VERIFY EXISTING ELEVATIONS AND DIMENSIONS WHERE NEW WORK WILL MATCH EXISTING DISCREPANCIES SHALL BE BROUGHT TO TH ATTENTION OF THE ENGINEER FOR RESOLUTION PRIOR TO THE COMMENCEMENT OF WORK.
- 5. DESIGN BUILD FIRM SHALL OBTAIN ALL THE NECESSARY PERMITS FROM THE APPROPRIATE AUTHORITIES, DEPARTMENTS, AND/OR AGENCIES HAVING JURISDICTION PRIOR TO COMMENCING WORK.
- ALL PRACTICAL AND NECESSARY EFFORTS SHALL BE TAKEN DURING CONSTRUCTION TO PREVENT UNNECESSARY TREE REMOVAL AND/OR DAMAGE.
- THE LOCATION OF EXISTING UTILITIES HAS BEEN PREPARED FROM THE MOST RELIABLE INFORMATION AVAILABLE TO THE ENGINEER. THE INFORMATION IS NOT GUARANTEED. THEREFORE THE DESIGN BUILD FIRM SHALL VERIFY THE LOCATION AND ELEVATION OF ALL UTILITIES IN THE FIELD PRIOR TO THE START OF ANY CONSTRUCTION ACTIVITIES.
- 8. UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE SURVEY INFORMATION. IT IS THE DESIGN BUILD FIRM'S RESPONSIBILITY TO VERIFY THEIR EXACT LOCATION AND TO AVOID DAMAGE TO THEM. THE DESIGN BUILD FIRM SHALL CONTACT SUNSHINE 811 AT

- PHONE NUMBER 811 OR 1-800-432-4770 TO REQUEST UNDERGROUND UTILITY LOCATION MARK-OUT AT LEAST TWO (2) WORKING DAYS BUT NO MORE THAN TEN (10) WORKING DAYS PRIOR TO BEGINNING EXCAVATION, INCLUDING SOIL DRILLING, TH DESIGN BUILD FIRM SHALL ALSO CONTACT AND REQUEST UTILITY LOCATION MARK-OUT FROM BURIED UTILITY OWNERS WITH UTILITIES ON THE PROJECT SITE THAT ARE NOT PARTICIPANTS
- THE DESIGN BUILD FIRM SHALL EXERCISE CAUTION WHEN WORKING IN OR AROUND EXISTING CITY-OWNED UTILITIES. THE DESIGN BUILD FIRM SHALL NOTIFY THE CITY AT LEAST TWO BUSINESS DAYS IN ADVANCE OF ANY EXCAVATION WITHIN TEN FEET OF A CITY-OWNED UTILITY SO THAT A CITY REPRESENTATIVE MAY BE PRESENT
- 10. DESIGN BUILD FIRM SHALL TAKE CARE TO AVOID DAMAGE TO FXISTING PAVEMENT STRUCTURES AND LITHITIES THAT ARE NOT INDICATED TO BE DEMOLISHED OR REMOVED. ANY DAMAGE TO EXISTING PAVEMENT. STRUCTURES. AND UTILITIES NOT INDICATED TO BE DEMOLISHED OR REMOVED SHALL BE REPAIRED AT THE DESIGN BUILD FIRM'S EXPENSE.
- 11. WHERE PROPOSED WORK IS IN THE VICINITY OF UTILITY POLES, SUCH THAT SUPPORT OF THE POLE(S) WILL BE REQUIRED, THE DESIGN BUILD FIRM SHALL BE RESPONSIBLE FOR NOTIFYING TH UTILITY OF THE WORK. IT WILL BE THE RESPONSIBILITY OF THE DESIGN BUILD FIRM TO COORDINATE WITH THE UTILITY FOR
- 12. DURING EXCAVATION AND PLACEMENT OF UTILITIES THE DESIGN BUILD FIRM SHALL COMPLY WITH ALL APPLICABLE SAFETY REGULATIONS AND SHALL SUBMIT TO THE FNGINFFR FOR APPROVAL SHEET PILING, SHORING AND/OR BRACING DESIGNS AS MAY BE NECESSARY TO COMPLY WITH THESE REGULATIONS.

- 13. GROUNDWATER FROM ALL DEWATERING OPERATIONS SHALL BE DISCHARGED TO AN ENVIRONMENTALLY ACCEPTABLE LOCATION IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
- 14. THE DESIGN BUILD FIRM SHALL REMOVE AND DISPOSE OF ALL DEBRIS GENERATED DURING THE PROJECT OFF SITE AT A PROPERLY PERMITTED DISPOSAL FACILITY.
- 15. ALL RESTORATION SHALL CONFORM TO THE STANDARDS AND REQUIREMENTS OF THE AGENCIES HAVING JURISDICTION OVER THE RIGHT-OF-WAY WHERE THE PROJECT IS CONSTRUCTED.
- 16. ALL LOOP DETECTORS, COMMUNICATION CABLES AND CONDUITS IF DAMAGED BY THE DESIGN BUILD FIRM'S ACTIVITIES, SHALL BE REPAIRED AND/OR REPLACED IN ACCORDANCE WITH BCTED AND
- 17. PIPING, FITTINGS, AND APPURTENANCES FOR DUCTILE IRON, C900 PVC. AND HDPE PIPE SHALL BE RESTRAINED JOINT AS SPECIFIED.
- NO CONNECTIONS FOR THE PURPOSE OF OBTAINING WATER SUPPLY DURING CONSTRUCTION SHALL BE MADE TO ANY FIRE HYDRANT OR BLOW-OFF STRUCTURE WITHOUT FIRST OBTAINING PERMISSION AND A CONSTRUCTION METER FROM THE CITY OF FORT LAUDERDALE.
- 19. THE DESIGN BUILD FIRM WILL BE RESPONSIBLE FOR LOCATING MOVING AND RELOCATING OR REPLACING ALL WATER SERVICES OR SEWER LATERALS WHICH ARE ENCOUNTERED DURING EXCAVATION. THE DESIGN BUILD FIRM SHALL SUBMIT A WRITTEN PLAN FOR WATER SERVICE AND WASTEWATER SERVICE DISRUPTION FOR APPROVAL 7 (SEVEN) CALENDAR DAYS PRIOR THE ANTICIPATED DISRUPTION. THE DESIGN BUILD FIRM SHALL NOTIFY THE PROPERTY OWNERS 48 HOURS IN ADVANCE OF ANY WORK ON THEIR SERVICES. THIS WORK SHALL BE CONSIDERED INCIDENTAL.

BROWARD COUNTY SCHOOL

STANDARDS INDEX NO. 600 AS WELL AS MEETING ALL ADA REQUIREMENTS.

JNLESS SATISFACTORILY BARRICADED FROM THE WALK ROUTE.

THROUGHOUT THE ENTIRE LENGTH OF THE PROJECT.

IMPACT ANY BUS ROUTES:

RUTH MASTERS ROUTING

TOCHTERMANN FLEET SERVICE

HARRELL

CITY FORT LAUDERDALE
PUBLIC WORKS DEPARTMENT

ENLINEERING DETAILS

GNRL 002

2017/07/13

IF THEY ARE STATE CERTIFIED AS A SCHOOL CROSSING GUARD.

TRAFFIC. THE FOLLOWING ARE MINIMUM REQUIREMENTS:

MAINTENANCE OF TRAFFIC NOTES:

THE SAFE WALK ROUTE FOR ALL SCHOOL STUDENTS WITHIN THE VICINITY OF THE CONSTRUCTION

WALKING SURFACE CANNOT BE MAINTAINED. THEN A TEMPORARY WALKABLE SURFACE SHALL BE

PROPER PEDESTRIAN OPENINGS AT DESIGNATED CROSSINGS IN COMPLIANCE WITH FOOT DESIGN

ZONE SHALL BE MAINTAINED DURING STUDENT ARRIVAL AND DISMISSAL TIMES. IF THE CURRENT

DURING THE ENTIRE LENGTH OF THE PROJECT ENCOMPASSING THE ENTIRE WALK ROUTE WITH

ALL CONSTRUCTION EQUIPMENT ACTIVITY AROUND ANY DESIGNATED CROSSWALK SHALL CEASE TO OPERATE DURING THE STUDENT ARRIVAL AND DISMISSAL TIMES. ALL CONSTRUCTION

IN THE CASE THAT A DESIGNATED CROSSING OR ANY PORTION OF THE DESIGNATED WALK ROUTE

IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO INSTALL ANY NECESSARY PAVEMENT, ROAD

OTHER THAN THOSE PREVIOUSLY DESIGNATED. THE CONTRACTOR MAY USE FLAGMEN, BUT ONLY

THIRTY (30) DAYS PRIOR TO THE BEGINNING OF CONSTRUCTION THE CONTRACTOR SHALL NOTIFY

HE SPECIAL PROJECTS COORDINATOR AT BROWARD COUNTY TRAFFIC ENGINEERING DIVISION,

(954) 847-2600 OR AT BROWARD@TRAFFIC.ORG TO DISCUSS ALL NECESSARY SAFETY MEASURES.

IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE FOLLOWING BROWARD COUNTY

STUDENT TRANSPORTATION & (754) 321-4472 VINCENT.HARRELL@BRO WARDSCHOOLS.COM

STUDENT TRANSPORTATION & (754) 321-4400 MARY.TOCHTERMANN@B

BROWARD COUNTY SCHOOL MOT NOTES

SHEET

(754) 321-4400 RUTH MASTERS@BROWA

EXT. # 2006 ROWARDSCHOOLS.COM

EXT. # 2309 RDSCHOOLS.COM

SCHOOL BOARD PUPIL TRANSPORTATION DEPARTMENT PERSONNEL IF CONSTRUCTION WILL

ROCK, PAVEMENT MARKINGS AND SIGNAGE AND/OR ANY PEDESTRIAN SIGNALIZATION AND/OR

COORDINATOR AT BROWARD COUNTY TRAFFIC ENGINEERING DIVISION, (954) 847-2600, A MINIMUM

EQUIPMENT ACTIVITY ADJACENT TO A DESIGNATED WALK ROUTE SHALL CEASE OPERATING

F TEN (10) WORKING DAYS PRIOR TO CLOSING THAT ROUTE IN ORDER TO ESTABLISH AN

CANNOT BE MAINTAINED, THE CONTRACTOR SHALL NOTIFY THE SPECIAL PROJECTS

SIGNAL MODIFICATION TO ACCOMMODATE AN EXISTING OR ALTERNATE WALK ROUTE

IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE STATE CERTIFIED SCHOOL ROSSING GUARDS OR OFF DUTY POLICE OFFICERS TO CROSS STUDENTS AT ALL LOCATIONS

CREATED. THE SAFE WALK ROUTE SHALL BE SEPARATED FROM THE CONSTRUCTION ACTIVITY

THE MAINTENANCE OF TRAFFIC PLAN, PROVIDED BY THE CONTRACTOR, SHALL INCLUDE

PROVISIONS FOR PEDESTRIAN AND/OR SCHOOL STUDENT TRAFFIC AS WELL AS VEHICULAR

- 20. IT WILL BE THE RESPONSIBILITY OF THE DESIGN BUILD FIRM TO NOTIFY THE UTILITIES DEPARTMENT OF THE CITY OF FORT LAUDERDALE AT LEAST TWO (2) BUSINESS DAYS IN ADVANCE TO COORDINATE ANY ACTIVITY TO BE PERFORMED BY THE CITY'S UTILITIES DEPARTMENT.
- 21. DESIGN BUILD FIRM SHALL NOT DISTURB AREAS OUTSIDE EXISTING RIGHTS-OF-WAY.

SPECIFICATIONS AND PERMIT REQUIREMENTS.

- 22. ALL WORK WITHIN STATE DEPARTMENT OF TRANSPORTATION (FDOT) RIGHT-OF-WAYS SHALL BE IN CONFORMANCE WITH FDOT
- ALL WORK WITHIN BROWARD COUNTY RIGHT-OF-WAYS SHALL BE IN CONFORMANCE WITH THE BROWARD COUNTY MINIMUM STANDARDS AND OR REQUIREMENTS.
- 24. DESIGN BUILD FIRM SHALL COMPLY WITH ALL LOCAL CITY, COUNTY AND STATE REGULATIONS PERTAINING TO THE CLOSING OF PUBLIC STREETS FOR USE OF TRAFFIC DURING
- 25. DESIGN BUILD FIRM SHALL PREPARE AND SUBMIT MAINTENANCE OF TRAFFIC (MOT) PLANS TO FDOT, CITY OF FORT LAUDERDALE. BROWARD COUNTY AS REQUIRED FOR WORK TO BE DONE WITHIN THEIR R/W PRIOR TO COMMENCEMENT OF WORK. SPECIFIC AGENCY MOT REQUIREMENTS ARE THE SOLE RESPONSIBILITY OF THE DESIGN BUILD FIRM.
- 26. DESIGN BUILD FIRM SHALL SUBMIT MOT PLANS FOR APPROVAL BY THE CITY WHEN WORKING WITHIN THE PUBLIC RIGHT-OF-WAY.
- 27. ALL OPEN TRENCHES AND HOLES ADJACENT TO ROADWAY OR WALKWAY SHALL BE PROPERLY MARKED AND BARRICADED TO ASSURE THE SAFETY OF BOTH VEHICULAR AND PEDESTRIAN

- 28. TRENCHES OR HOLES NEAR WALKWAYS, IN ROADWAYS OR THEIR SHOULDERS SHALL NOT BE LEFT OPEN DURING NIGHT TIME
- 29. DESIGN BUILD FIRM SHALL PROMPTLY REPAIR AND RESTORE EXISTING PAVEMENT, SIDEWALKS, CURBS, DRIVEWAYS, PIPES, RESIDENTIAL AND COMMERCIAL SPRINKLER LINES, CONDUIT CABLES, ETC. AND LANDSCAPE AREAS DAMAGED AS A RESULT OF CONSTRUCTION ACTIVITIES.

HOURS WITHOUT ADEQUATE PROTECTION.

- 30. DESIGN BUILD FIRM SHALL PROVIDE TEMPORARY FENCING AS REQUIRED BY AGENCIES HAVING JURISDICTION OVER THE PROJECT AND/OR WHEN REQUIRED FOR PUBLIC SAFETY.
- 31. THE DESIGN BUILD FIRM SHALL BE RESPONSIBLE AT ALL TIMES THROUGHOUT THE DURATION OF CONSTRUCTION AND UNTIL ACCEPTANCE OF WORK, FOR THE PROTECTION OF EXISTING AND NEWLY INSTALLED UTILITIES FROM DAMAGE OR DISRUPTION OF SERVICE. THE DESIGN BUILD FIRM SHALL BE RESPONSIBLE FOR AKING SUCH MEASURES AS NECESSARY TO PROTECT THE HEALTH, SAFETY AND WELFARE OF THOSE PERSONS HAVING ACCESS TO THE WORK SITE.
- 32. DESIGN BUILD FIRM SHALL ADJUST TO GRADE ALL EXISTING UTILITY CASTINGS INCLUDING VALVE BOXES, MANHOLES, HAND HOLES, PULL BOXES, INLETS AND SIMILAR STRUCTURES IN CONSTRUCTION AREA TO BE OVERLAYED WITH ASPHALT.
- 33. EXISTING TRAFFIC SIGNS SHALL BE RESET UPON COMPLETION PER BROWARD COUNTY TRAFFIC ENGINEERING STANDARDS. COST SHALL BE CONSIDERED INCIDENTAL. DESIGN BUILD FIRM SHALL REPAIR OR REPLACE DAMAGED TRAFFIC SIGNAL LOOPS PER BROWARD COUNTY TRAFFIC ENGINEERING SPECIFICATIONS; COST SHALL BE INCIDENTAL.

UPON COORDINATION WITH THE AFOREMENTIONED PERSONNEL, AND IF DEEMED NECESSARY, A PRE-CONSTRUCTION MEETING WILL BE HELD TO DETERMINE ALL BUS ROUTES AND TO MAKE ANY

BROWARD COUNTY TRAFFIC ENGINEERING DIVISION, (954) 847-2600, WILL BE NOTIFIED AND MAY

TRAFFIC PLAN (MOT), SPECIFYING THE ABOVE SCHOOL/PEDESTRIAN CONDITIONS, THROUGH THE

BROWARD COUNTY TRAFFIC ENGINEERING DIVISION OR THE LOCAL MUNICIPALITY, DEPENDING ON

THE ROADWAY JURISDICTION. THE CONDITIONS OUTLINED IN THE MOT ARE FULLY EFFECTIVE AS

PART OF THE PROPOSED IMPROVEMENTS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR

ENSURING THAT ALL WORK ASSOCIATED WITH THE PROJECT IS IN COMPLIANCE WITH ALL THE

11. THE CONTRACTOR SHALL ENSURE THAT THERE ARE NO SPEED LIMIT SIGNS INSTALLED WITHIN THE

BROWARD COUNTY SCHOOL MOT NOTES

SHEET 2

DESIGNATED REDUCED SPEED SCHOOL ZONE AT ANY TIME THROUGHOUT THE PROJECT.

10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING AN APPROVED MAINTENANCE OF

ATTEND THE PRE-CONSTRUCTION MEETING.

REQUIREMENTS OF THE APPROVED MOT.

CITY OF FORT LAUDERDALE
PUBLIC WORDS DEPARTMENT

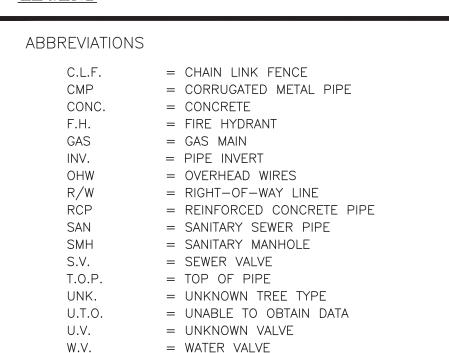
ENGINEERING DETAILS

NECESSARY ARRANGEMENTS FOR REROUTING. THE SPECIAL PROJECTS COORDINATOR FROM THE

- 34. DESIGN BUILD FIRM SHALL RESTORE EXISTING PAVEMENT AND PAVEMENT MARKINGS/SIGNAGE TO ORIGINAL PRE-CONSTRUCTION CONDITION OR AS OTHERWISE SPECIFIED IN CONTRACT DOCUMENTS. THIS WORK SHALL BE CONSIDERED INCIDENTAL.
- 35. ALL CONSTRUCTION WITHIN FDOT R/W MUST CONFORM WITH FDOT SPECIFICATIONS, STANDARDS, AND PERMIT REQUIREMENTS. NO WORK SHALL COMMENCE WITHIN FDOT R/W's WITHOUT AN FDOT PERMIT. FULL LANE WIDTH RESTORATION TO MATCH EXISTING PAVEMENT SECTION IS REQUIRED IN ACCORDANCE WITH FDOT STANDARDS FOR PROPOSED WORK WITHIN FDOT R/W.
- 36. THE DESIGN BUILD FIRM SHALL SUBMIT ALL REQUIRED SHOP DRAWINGS FOR CITY APPROVAL PRIOR TO ORDERING MATERIALS AND INSTALLATION.
- 37. EXISTING GAS MAINS SHALL BE IDENTIFIED BY THE APPROPRIATE UTILITY, PRIOR TO START OF CONSTRUCTION.
- 38. REFER TO SECTION 02065 AND DEMOLITION PLANS FOR DEMOLITION DETAILS.
- 39. REFER TO DIVISIONS 2 AND 15 FOR UTILITY SPECIFICATIONS. **UTILITY CONTACTS:**

TECO PEOPLES GAS AT&T FLORIDA 8601 WEST SUNRISE BOULEVARD 5101 NW 21ST AVENUE FORT LAUDERDALE, FL 33309 PLANTATION, FL 33322 PHONE: (954)453-0794 PHONE: (305)428-05010 CONTACT: DÁVID RIVERA CONTACT: OTIS T. KEEVE FLORIDA POWER & LIGHT COMPANY CITY OF FORT LAUDERDALE MOT 7201 CYPRESS ROAD. CSF-CB 290 NE 3RD AVENUE PLANTATION, FL 33317 PHONE: (954)717-2057 PHONE: (954)828-3721

FORT LAUDERDALE, FL 33301 CONTACT: KRISTIN THOMPSON CONTACT: TROY LEWIS <u>LEGEND</u>



GNRL 005

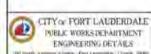
2018/09/21

= WATER VALVE B.C.H.C.E.D. = BROWARD COUNTY HIGHWAY CONSTRUCTION

AND ENGINEERING DEPARTMENT. = BROWARD COUNTY TRAFFIC AND ENGINEERING DEPARTMENT

TRAFFIC CONTROL PLAN NOTES:

- THE TRAFFIC CONTROL PLANS FOR THE PROJECT SHALL COMPLY WITH THE LATEST EDITION OF THE FLORIDA DEPARTMENT OF TRANSPORTATION ROADWAY AND TRAFFIC DESIGN STANDARDS, INDEX NO. 600-660. MUTCD AND THE STANDARD SPECIFICATIONS, THE CONTRACTOR'S RESPONSE TIME TO ALL REPORTED MALFUNCTIONS OF TRAFFIC SIGNALS WITHIN THE PROJECT LIMITS SHALL BE NO MORE THAN TWO (2) HOURS AND SHALL RESTORE ALL MALFUNCTIONING TRAFFIC SIGNAL EQUIPMENT TO ITS LEVEL OF OPERATION PRIOR TO THE MALFUNCTIONING WITHIN TWENTY-FOUR (24) HOURS. DURING THIS TIME THE CONTRACTOR SHALL PROVIDE AT HIS EXPENSE TEMPORARY TRAFFIC CONTROL DEVICES, FLAGGLER PERSONNEL AND LAW ENFORCEMENT PERSONNEL AS NECESSARY TO MAINTAIN A SAFE AND EFFICIENT FLOW OF TRAFFIC AT THE AFFECTED WORK ZONE. THE ENGINEER OR THE CITY OF FORT LAUDERDALE SHALL APPROVE ALL MODIFICATIONS PRIOR TO THEIR IMPLEMENTATION.
- THE CONTRACTOR SHALL MAINTAIN PROPER OPERATION OF ALL TRAFFIC SIGNAL LOOP ASSEMBLIES AND LOOP DETECTORS WITHIN THE PROJECT LIMITS. THE CONTRACTOR SHALL CORRECT ALL LOOP ASSEMBLY/DETECTOR MALFUNCTIONS WITHIN 24 HOURS OF NOTIFICATION OF SUCH MALFUNCTIONS
- 3. THE AGENCY RESPONSIBLE FOR MAINTENANCE OF THE TRAFFIC SIGNALS AND RELATED EQUIPMENT
- IS BROWARD COUNTY TRAFFIC ENGINEERING.
- A REGULATORY SPEED OF 25 MPH SHALL BE POSTED WITHIN THE LIMITS OF THE WORK ZONE. EXISTING SIGNS AND PAVEMENT MARKINGS THAT CONFLICT WITH CONSTRUCTION SIGNS AND MARKINGS SHALL BE REMOVED DURING CONSTRUCTION. ALL EXISTING SIGNS THAT ARE REMOVED SHALL BE STOCKPILED IN A SECURE PLACE AND REINSTALLED AFTER CONSTRUCTION. REMOVE AND REPLACE ANY GROUND MOUNT SIGN BY USE OF INDEX NO. 611.
- THE CONTRACTOR SHALL MAINTAIN EXISTING DRAINAGE PATTERNS AND PREVENT ADVERSE FLOODING OF THE TRAVEL LANES DURING CONSTRUCTION.
- THE CONTRACTOR SHALL OBTAIN WRITTEN AUTHORIZATION FROM THE CITY OF FORT LAUDERDALE FOR ANY AND ALL CONSTRUCTION ACTIVITIES TO BE PERFORMED AT NIGHT. NO LANE CLOSURE SHALL BE ALLOWED BETWEEN THE HOURS OF 6:00 AM TO 9:00 AM AND 4:00 PM TO 7:00 PM, MONDAY ROUGH FRIDAY UNLESS APPROVED BY THE ENGINEER
- THE CONTRACTOR SHALL NOTIFY THE APPROPRIATE UTILITY COMPANY TWO (2) BUSINESS DAYS IN ADVANCE OF ANY EXCAVATION INVOLVING ITS UTILITIES SO THAT A COMPANY REPRESENTATIVE CAN BE PRESENT. THE LOCATION OF THE UTILITIES SHOWN IN THE PLANS ARE APPROXIMATE ONLY. THE EXACT LOCATION SHALL BE DETERMINED BY THE CONTRACTOR DURING CONSTRUCTION. SEE SPECS FOR UST OF UTILITY COMPANIES
- TRAFFIC CONTROL ON ALL COUNTY RIGHTS-OF-WAY SHALL MEET THE ADDITIONAL REQUIREMENTS OF THE BROWARD COUNTY ENGINEERING DEPARTMENT
- CONTRACTOR SHALL PREPARE AND SLIBMIT MAINTENANCE OF TRAFFIC PLAN (MOT) WHERE REQUIRED BY FEDERAL, STATE, COUNTY, OR LOCAL AGENCIES HAVING JURISDICTION. CONTRACTOR SHALL OBTAIN ALL REQUIRED APPROVALS AND PERMITS ASSOCIATED WITH THE MOT'S. ALL MOT'S TO
- THE CONTRACTOR SHALL ALSO COORDINATE THE CONSTRUCTION SCHEDULE WITH FDOT, BROWAR COUNTY AND THE CITY OF FORT LAUDERDALE TO AVOID LANE CLOSURES WHICH WOULD ADVERSELY AFFECT TRAFFIC DURING RUSH HOUR.



TRAFFIC CONTROL PLAN NOTES

BROWARD COUNTY COMMUNICATION NOTES:

THE AGENCY RESPONSIBLE FOR MAINTENANCE OF THE TRAFFIC SIGNALS AND RELATED EQUIPMENT IS BROWARD COUNTY TRAFFIC ENGINEERING DIVISION (BCTED) ALL SYSTEM COMMUNICATIONS EQUIPMENT, CABLING AND RELATED MATERIAL SHALL COMPLY WITH BROWARD COUNTY'S LATEST EDITION OF THE MINIMUM STANDARDS AS EXPRESSED IN THE "STANDARDS AND SPECIFICATIONS COMMUNICATION INFRASTRUCTURE" DOCUMENT, PLEASE FEFER TO (BCTED'S) COMMUNICATIONS POLICIES AND PROCEDURES FOR ADDITIONAL INFORMATION. BROWARD COUNTY TRAFFIC ENGINEERING DIVISION WILL NOT ACCEPT ANY PROJECTS THAT DO NOT MEET THESE STANDARDS AND SPECIFICATIONS. IF FIBER OPTIC PULL BOXES ALREADY EXIST AT AN INTERSECTION, NO ADDITIONAL FIBER OPTIC PULL BOXES WILL NEED TO BE INSTALLED. FOR A COPY OF THESE STANDARDS REFER TO

IF THERE ARE COPPER INTERCONNECT CABLE/S WITHIN YOUR PROJECT LIMITS OR WITHIN 1,500 FEET OF YOUR PROJECT LIMITS, CONTACT THE COMMUNICATIONS MANAGER AT TECOMMUNICATIONS@BROWARD.ORG OR 954-847-2745.

THE BROWARD COUNTY WEB SITE AT WWW.BROWARD.ORG/TRAFFIC UNDER PUBLICATIONS.

- IF THERE ARE FIBER OPTIC CABLE/S WITHIN YOUR PROJECT LIMITS OR WITHIN 1,500 FEET OF YOUR PROJECT LIMITS, CONTACT THE COMMUNICATIONS MANAGER AT ECOMMUNICATIONS@BROWARD.ORG OR 954-847-2745.
- 4. IF THERE ARE CELLULAR COMMUNICATIONS WITHIN YOUR PROJECT LIMITS, CONTACT THE COMMUNICATIONS MANAGER AT TECOMMUNICATIONS@BROWARD.ORG OR 954-847-2745.
- 5. ALL BCTED COMMUNICATIONS CABLES/CONDUIT SHALL BE LOCATED A MINIMUM OF 48 HOURS IN

BROWARD COUNTY TRAFFIC ENGINEERING DIVISION

PROCEDURE FOR NOTIFICATION OF COMMUNICATION DISRUPTION

COPPER INTERCONNECT CABLE NOTIFICATION CONTACT PERSON: WHEN COMMUNICATIONS TO AN INTERSECTION MUST BE DISRUPTED BY A CONTRACTOR TO PERFORM WORK, THE CONTRACTOR SHALL PROVIDE TWO DAY ADVANCE NOTICE IN WRITING TO THE BROWARD COUNTY TRAFFIC ENGINEERING DIVISION. THIS NOTIFICATION SHALL BE CONVEYED VIA ELECTRONIC MAI (EMAIL) TO THE TRAFFIC SIGNAL TECHNICIAN III AT TECOMMUNICATIONS@BROWARD.ORG. NOTIFICATION SHALL INCLUDE CONTACT PERSON, TELEPHONE NUMBER, PURPOSE, LOCATION AND DURATION. THE DISRUPTION SHALL LAST FOR NO MORE THAN 3 CONSECUTIVE BUSINESS DAYS, WHERE POSSIBLE, THE DISRUPTION SHALL BE DURING OFF PEAK HOURS BEGINNING AT 9:00 AM AND ENDING AT 3:00 PM.

FIBER OPTIC CABLE NOTIFICATION CONTACT PERSON

WHEN COMMUNICATIONS TO AN INTERSECTION MUST BE DISRUPTED BY A CONTRACTOR TO PERFORM WORK, THE CONTRACTOR SHALL PROVIDE TWO DAY ADVANCE NOTICE IN WRITING TO THE BROWARD COUNTY TRAFFIC ENGINEERING DIVISION. THIS NOTIFICATION SHALL BE CONVEYED VIA ELECTRONIC MAIL (EMAIL) TO THE COMMUNICATIONS MANAGER AT TECOMMUNICATIONS@BROWARD.ORG. NOTIFICATION SHALL INCLUDE CONTACT PERSON, TELEPHONE NUMBER, PURPOSE, LOCATION AND DURATION. THE DISRUPTION SHALL LAST FOR NO MORE THAN 3 CONSECUTIVE BUSINESS DAYS, WHERE POSSIBLE, THE DISRUPTION SHALL BE DURING OFF PEAK HOURS BEGINNING AT 9:00 AM AND ENDING AT 3:00 PM.

UTILITY OWNER CONTACT PERSON: INTERCONNECT COMMUNICATIONS CABLES - (ROBERT BLOUNT) BROWARD COUNTY TRAFFIC ENGINEERING

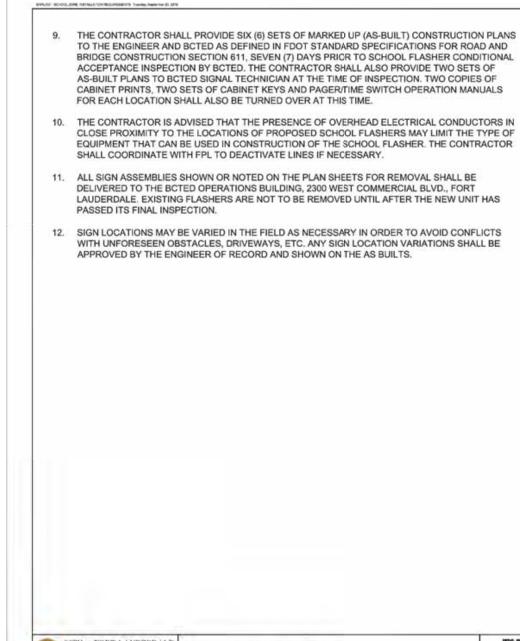
DIVISION (BCTED) 954-847-2745 CITY OF FORT LAUDERDALE
PUBLIC WORKS DEPARTMENT
ENGAGETHING DETARTMENT ENGINEERING DET AILS

BROWARD COUNTY COMMUNICATION NOTES

SCHOOL ZONE INSTALLATION REQUIREMENTS WITHIN

- BROWARD COUNTY: THE CONTRACTOR SHALL BE GOVERNED BY THE LATEST EDITIONS OF THE FOLLOWING MANUALS: A. THE FDOT DESIGN STANDARDS
- B. THE FDOT STANDARD SPECIFICATIONS FOR ROAD AND ERIDGE CONSTRUCTION
- C. THE BROWARD COUNTY MINIMUM STANDARDS APPLICABLE TO PUBLIC RIGHTS-OF-WAY FOR THE LATEST EDITION OF SCHOOL FLASHER DETAIL SHEETS AND MAINTENANCE OF TRAFFIC SCHOOL/PEDESTRIANS NOTES, SEE THE BROWARD COUNTY TRAFFIC ENGINEERING DIVISION'S HTTP://WWW.BROWARD.ORG/TRAFFIC/PAGES/PUBLICATIONS.ASPX.
- THE "MAINTENANCE OF TRAFFIC SCHOOL/PEDESTRIAN" NOTES SHALL APPEAR ON THE PLAN AS INDICATED. DEPENDING ON THE JURISDICTION OF THE ROADWAY THE CONTRACTOR WILL UTILIZE EITHER THE BCTED OR FDOT VERSION, WHICH WILL BE DETERMINED BY THE SCHOOL SAFETY PROGRAM SPECIAL PROJECTS COORDINATOR AT BCTED.
- SCHOOL FLASHER PLANS ARE VALID FOR EIGHTEEN (18) MONTHS FROM DATE OF APPROVAL. AFTER THAT DATE, PLANS SHALL BE RESUBMITTED FOR APPROVAL.
- NO SCHOOL FLASHER AND/OR ASSOCIATED FOUIPMENT SHALL BE PLACED OUTSIDE OF THE PUBLIC RIGHT-OF-WAY OR ON PRIVATE PROPERTY WITHOUT THE PRIOR ACQUISITION OF THE NECESSARY TRAFFIC ENGINEERING EASEMENTS BY THE CONSULTANT/CONTRACTOR. THESE EASEMENTS SHALL BE LARGE ENOUGH TO ALLOW ACCESS TO THE TRAFFIC ENGINEERING EQUIPMENT BY TECHNICIANS AND BY LARGER VEHICLES WHICH MAY REQUIRE ACCESS TO THE EQUIPMENT. THE SIZE AND LOCATION OF THE EASEMENTS WILL BE DETERMINED ON A CASE-BY-CASE BASIS. THE EASEMENTS SHALL BE RECORDED DOCUMENTS AND A COPY OF THE FULLY EXECUTED RECORDED EASEMENT SHALL BE PROVIDED TO THE SCHOOL SAFETY PROGRAM SPECIAL PROJECTS COORDINATOR PRIOR TO INSTALLATION.
- PRIOR TO ANY EQUIPMENT ORDER, THE CONTRACTOR SHALL SUBMIT TO THE SCHOOL SAFETY PROGRAM SPECIAL PROJECTS COORDINATOR AT BCTED FCR APPROVAL, ALL OF THE EQUIPMENT SPECIFICATIONS (I.E. SHOP DRAWINGS) FOR ALL MATERIALS PROPOSED FOR THE PROJECT, SEE SECTION 603 OF THE FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION OR SUBMITTAL DATA REQUIREMENTS. INCLUDED IN THE SUBMITTAL SHALL BE SHOP DRAWINGS. FOR GROUND MOUNT AND/OR MAST ARM DETAILS, AS APPLICABLE
- IF ELECTRICAL SERVICE IS REQUIRED, THE CONTRACTOR SHALL MAKE WRITTEN REQUEST TO BCTED, SYSTEMS SECTION - DESIGN ENGINEER, TO PROVIDE BILLING AUTHORIZATION TO FPL. THIS IS REQUIRED BEFORE ELECTRICAL SERVICE CAN BE OBTAINED. THE REQUEST SHALL INCLUDE A STATEMENT CERTIFYING THAT THIS ELECTRICAL INSTALLATION MEETS OR EXCEEDS ALL APPLICABLE REQUIREMENTS OF ALL APPLICABLE CODES AND IS NOW READY FOR CONNECTION TO FPL FACILITIES. ALSO INCLUDE THE DATE SERVICE IS REQUIRED BY IN THE REQUEST.
- THE CONTRACTOR SHALL MAKE WRITTEN REQUEST TO THE SCHOOL SAFETY PROGRAM SPECIAL PROJECTS COORDINATOR AT BCTED EITHER BY FAX; 954-847-2700 OR E-MAIL; RAFFIC@BROWARD ORG TO SCHEDULE AN INSPECTION OF THE COMPLETE INSTALLATION, INCLUDING THE INTERIM SIGNING AND PAVEMENT MARKING PLAN. ACTIVATION OF THE FLASHERS

SHALL ONLY BE PERMITTED AFTER SAID INSPECTION. ITY @ FORT LAUDERDALE PUBLIC WORKS DEPARTMENT SCHOOL ZONE INSTALLATION REQUIREMENTS ENGINEERING DETAILS SHEET



CITY OF FORT LAUDERDALE PUBLIC WORKS DEPARTMENT GNRL 007 SCHOOL ZONE INSTALLATION REQUIREMENTS ENGINEERING DUTAILS

SHEET 2

2 16 UP SIGN

\(\frac{7}{4}\) \(\frac{7}{4}

12, ION , ER P

DERD

DE

PHONE: 954-535-5100 FAX: 954-739-2247

WWW.KIMLEY-HORN.COM REGISTRY No. 696

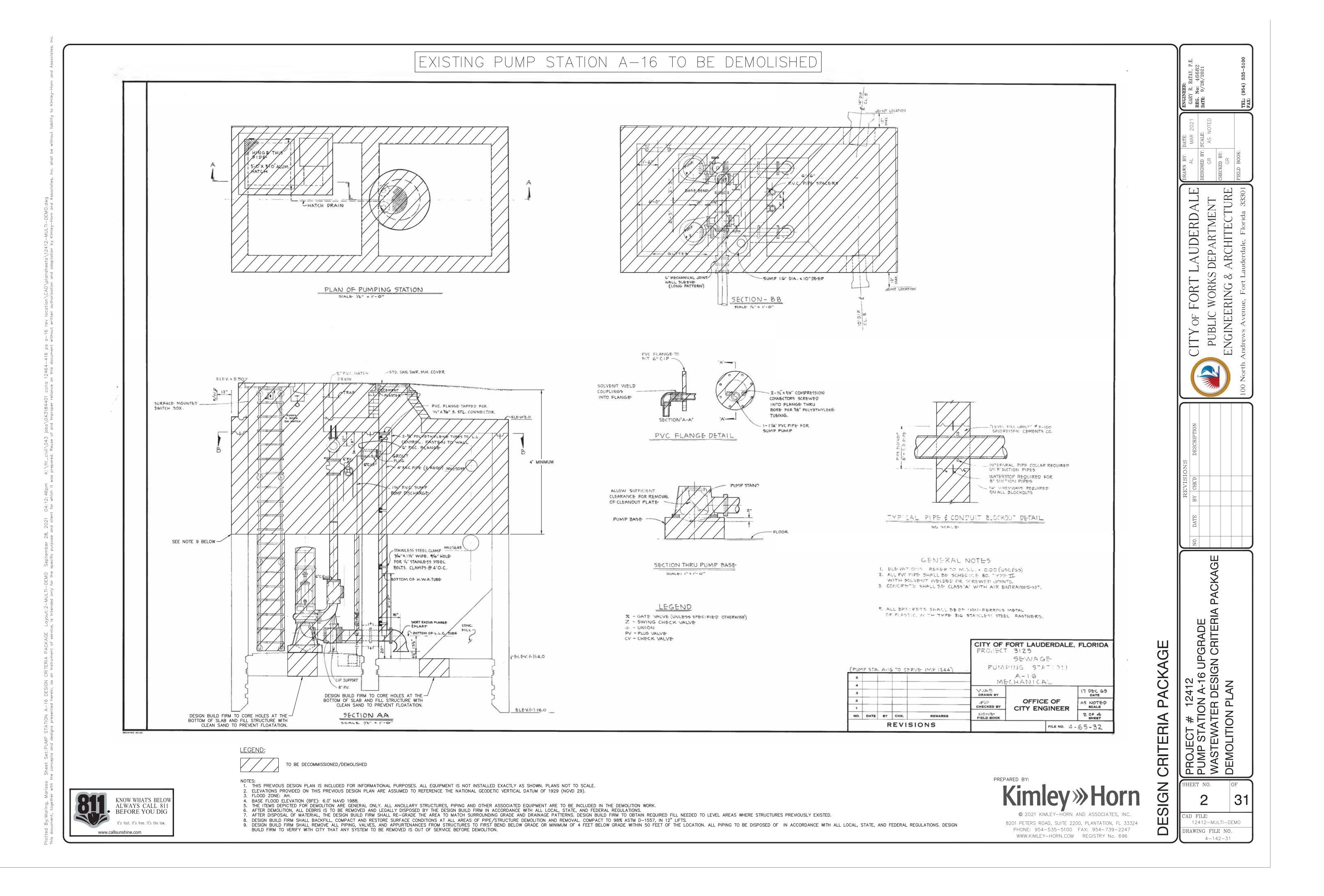
8201 PETERS ROAD, SUITE 2200, PLANTATION, FL 33324

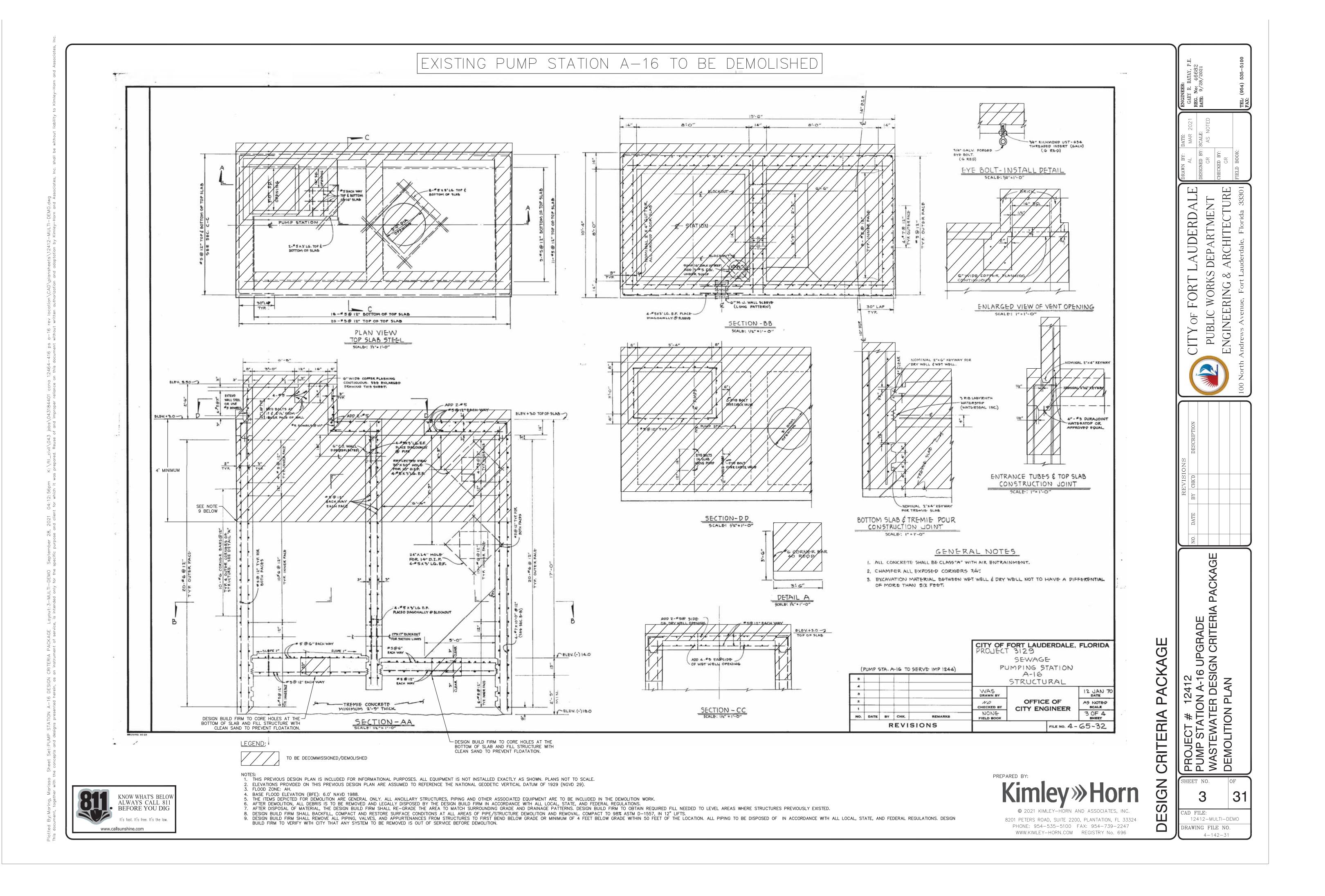
AD FILE: 12412-MULTI-NOTE RAWING FILE NO. 4-142-31

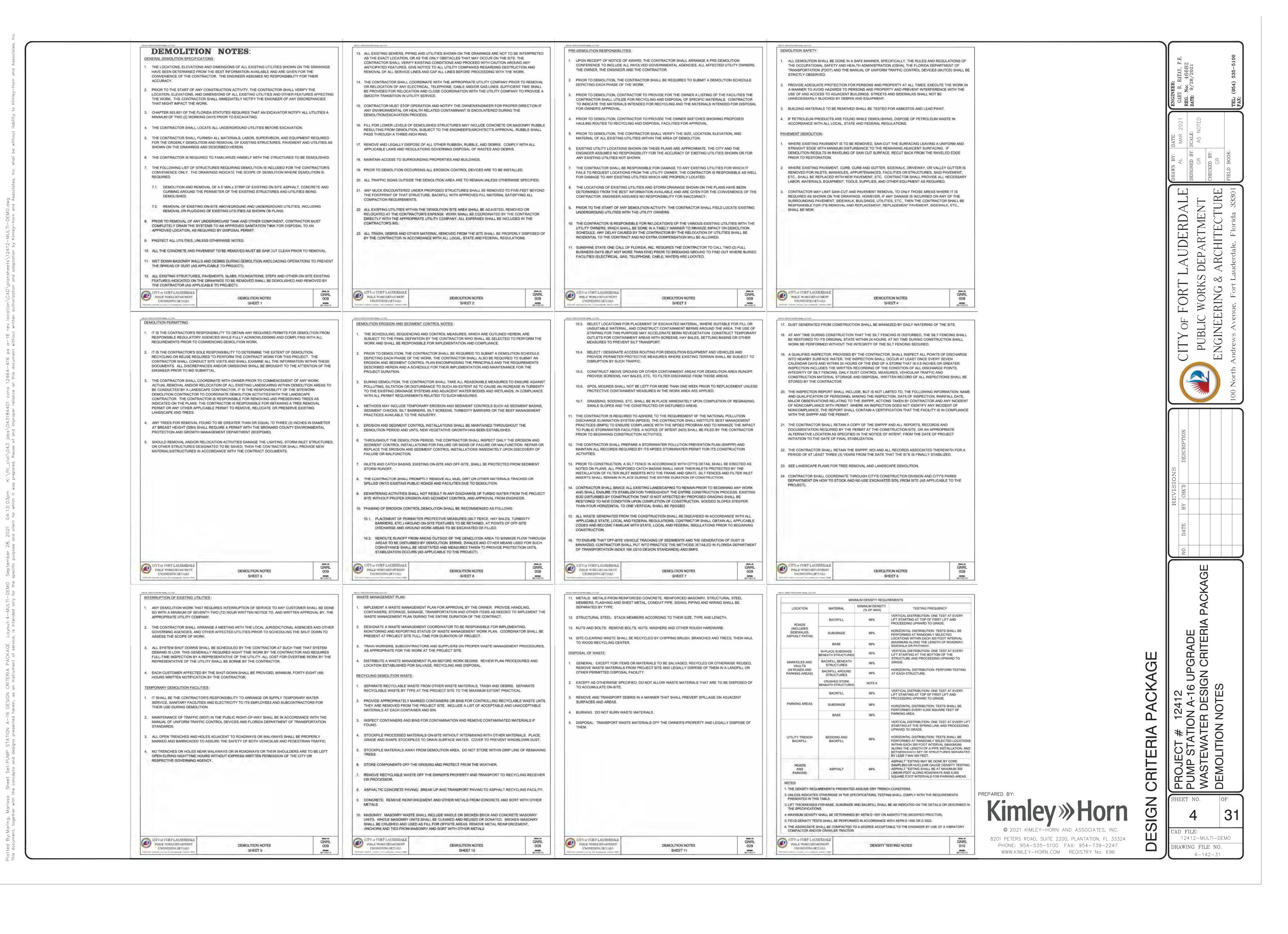
HEET NO.

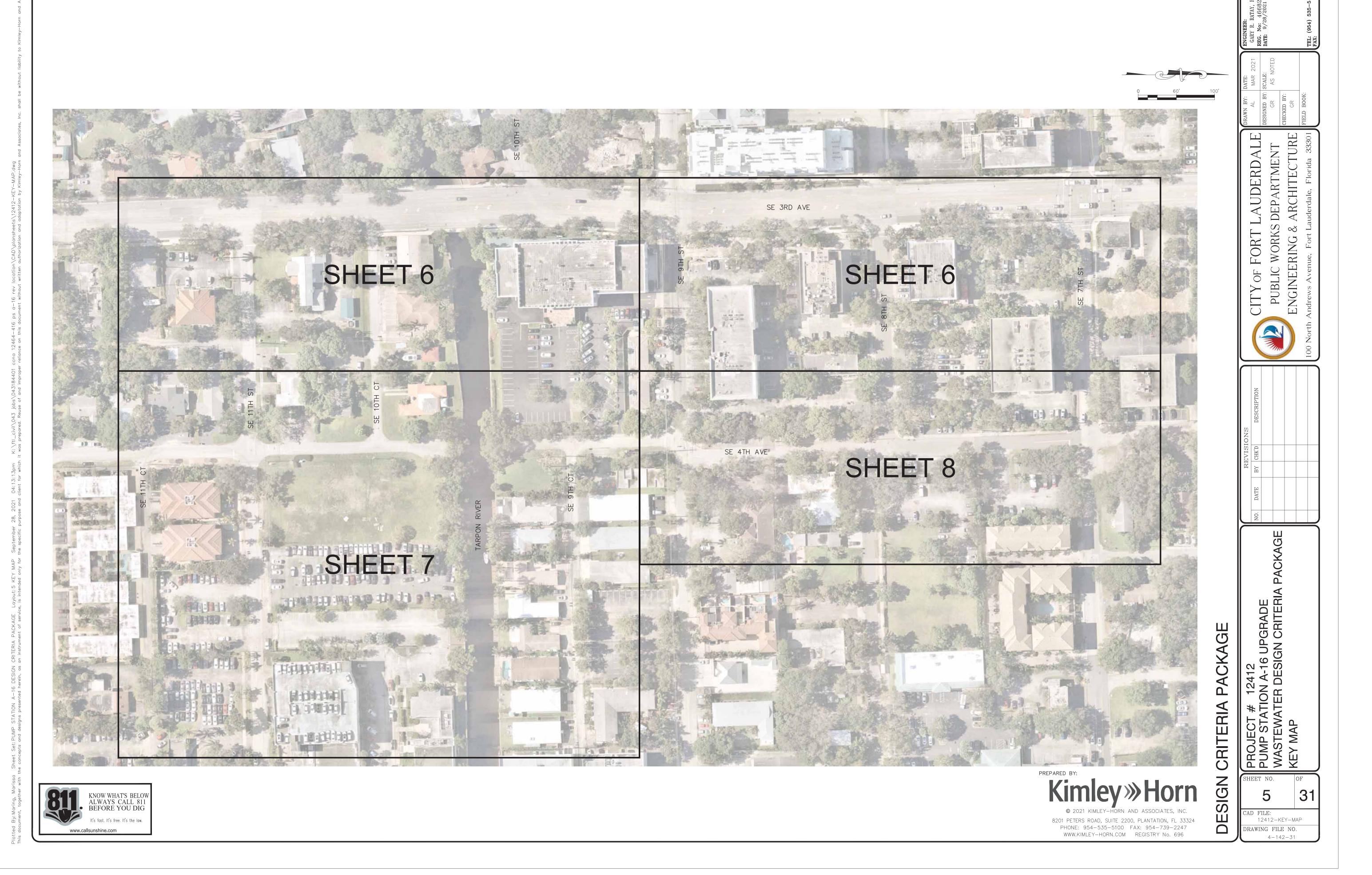
BEFORE YOU DIG

KNOW WHAT'S BELOV ALWAYS CALL 811

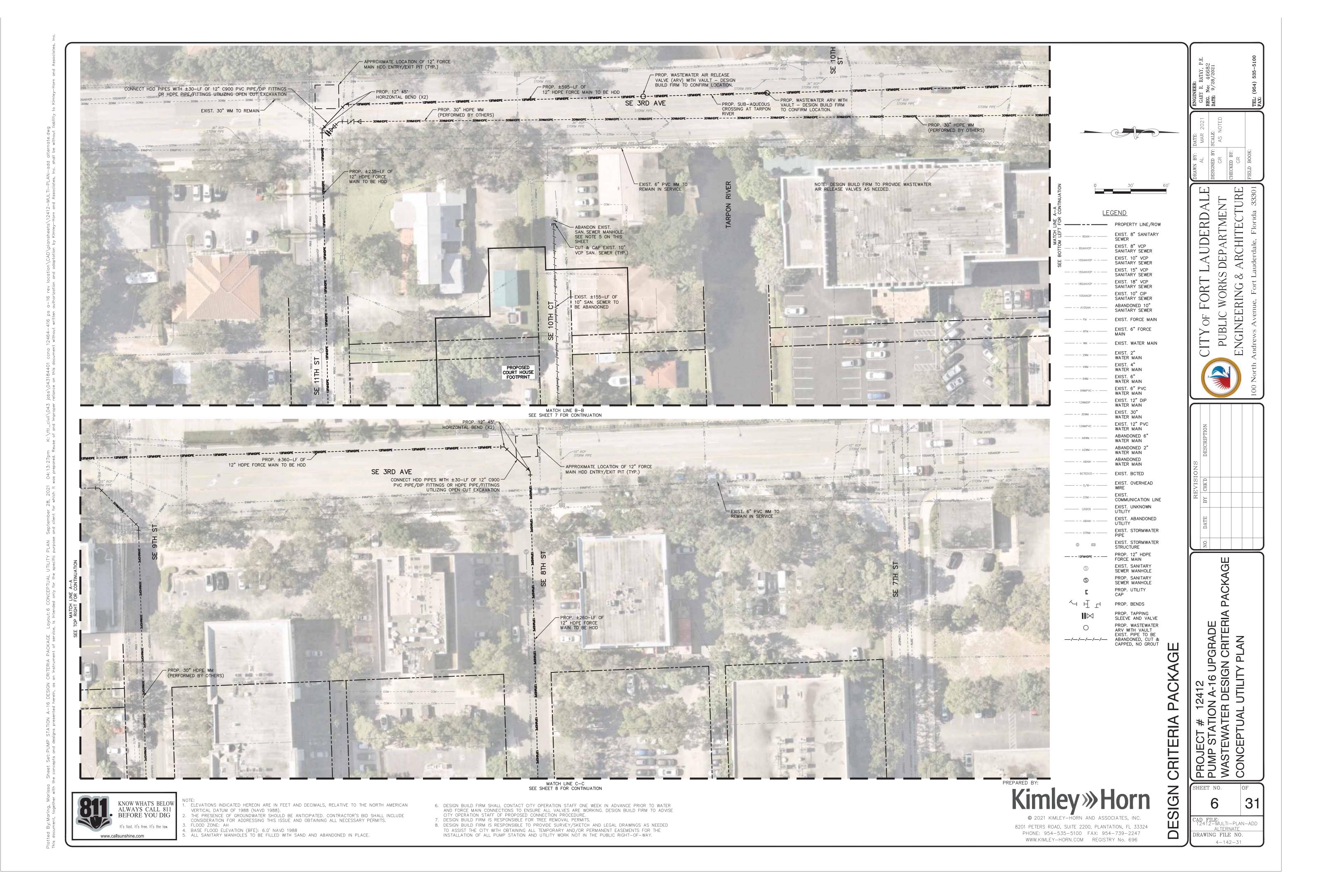


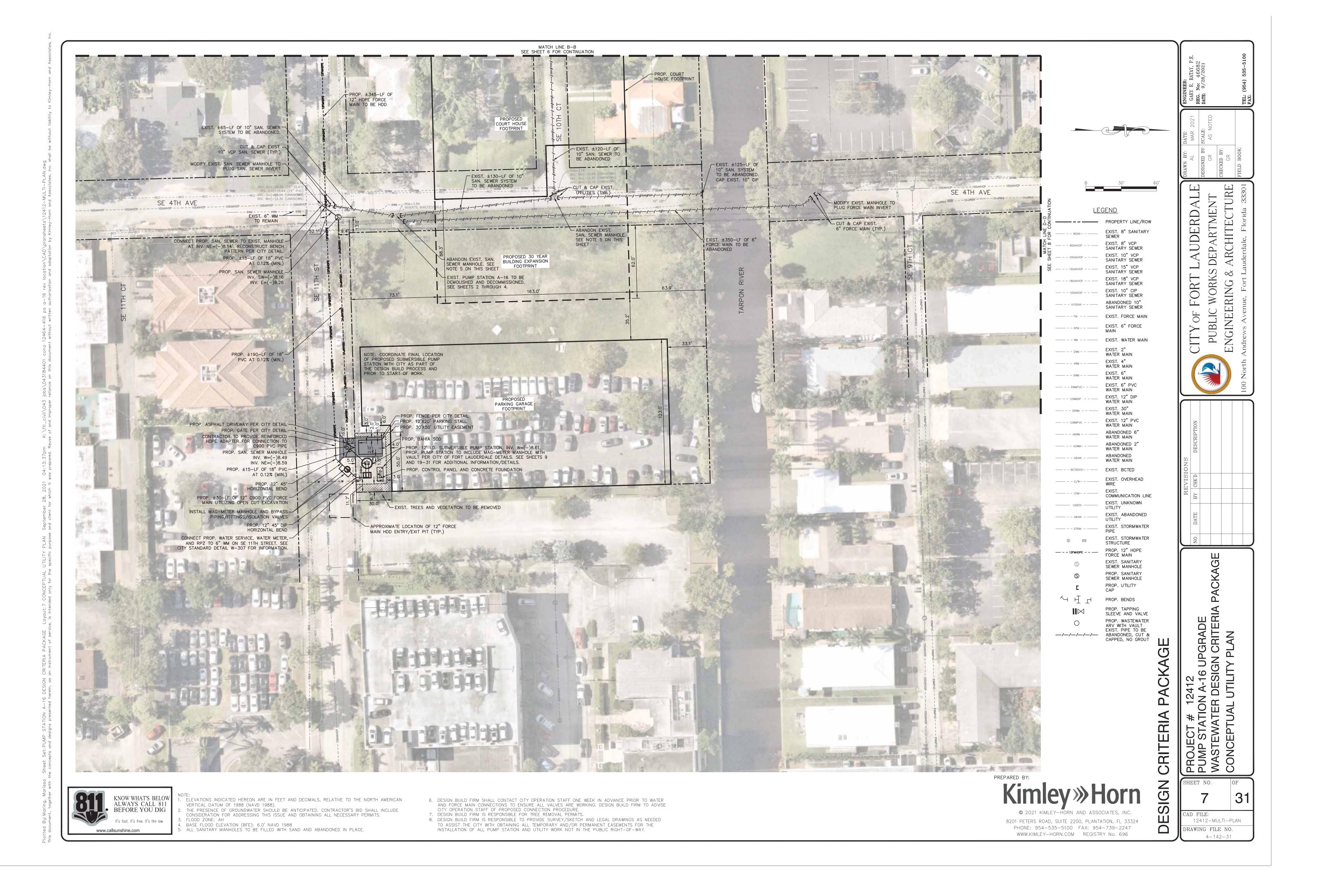


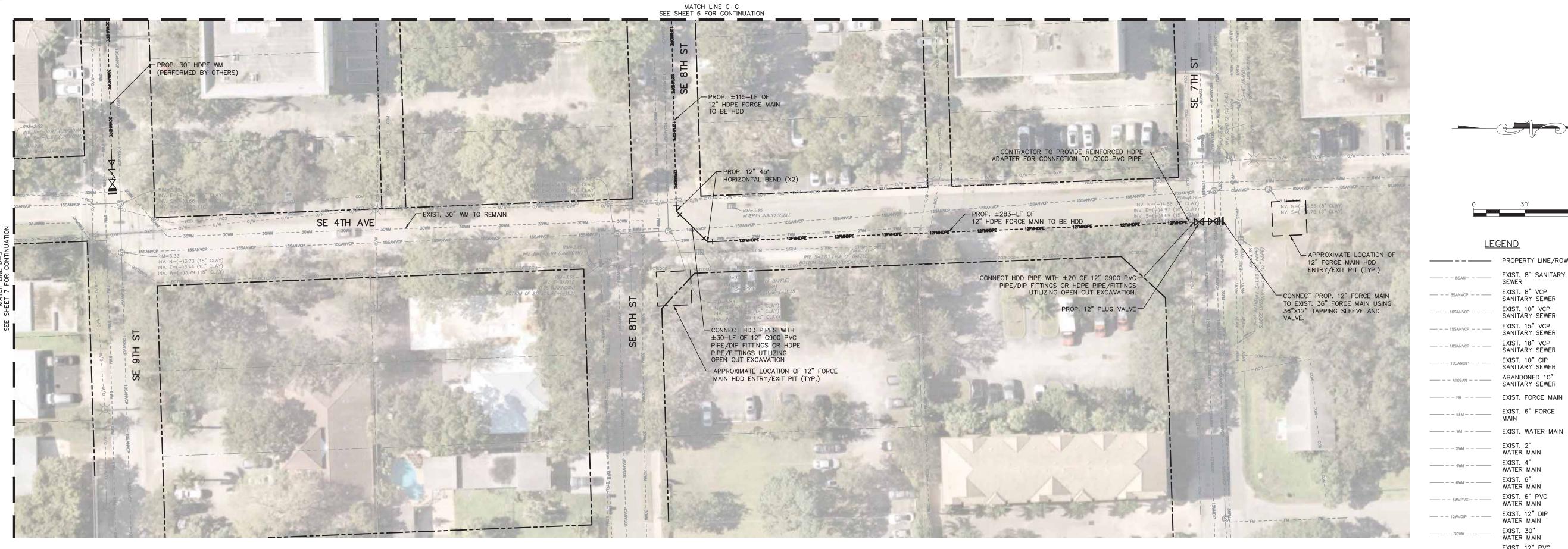




CAM 22-0628 Exhibit 6 Page 6 of 32









<u>LEGEND</u>

 PROPERTY LINE/ROW
 EXIST. 8" SANITARY SEWER
 EXIST. 8" VCP SANITARY SEWER
 EXIST. 10" VCP SANITARY SEWER
 EXIST. 15" VCP SANITARY SEWER
 EXIST. 18" VCP SANITARY SEWER
 EXIST. 10" CIP SANITARY SEWER
 ABANDONED 10" SANITARY SEWER
 EXIST. FORCE MAIN
 EXIST. 6" FORCE MAIN

EXIST. 2" WATER MAIN EXIST. 4" WATER MAIN

WATER MAIN EXIST. 6" PVC WATER MAIN EXIST. 12" DIP WATER MAIN

EXIST. 30" WATER MAIN

WATER MAIN

EXIST. OVERHEAD WIRE

COMMUNICATION LINE

EXIST. 12" PVC WATER MAIN ABANDONED 6" WATER MAIN ABANDONED 2"



LAUDERDALE

FORT

DEP,

TURE



EXIST. UNKNOWN UTILITY UTILITY EXIST. STORMWATER PIPE EXIST. STORMWATER STRUCTURE PROP. 12" HDPE FORCE MAIN EXIST. SANITARY SEWER MANHOLE PROP. SANITARY SEWER MANHOLE

PROP. UTILITY CAP PROP. BENDS

PROP. TAPPING SLEEVE AND VALVE PROP. WASTEWATER ARV WITH VAULT EXIST. PIPE TO BE —/—/—/—/— ABANDONED, CUT & CAPPED, NO GROUT

EKIA PACKAGE	IECT # 12412 P STATION A-16 UPGRADE TEWATER DESIGN CRITERIA PACK/
<u>Т</u>	ECT > STA TEWA

KNOW WHAT'S BELOW ALWAYS CALL 811 BEFORE YOU DIG It's fast. It's free. It's the law.

- ELEVATIONS INDICATED HEREON ARE IN FEET AND DECIMALS, RELATIVE TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 1988).

 2. THE PRESENCE OF GROUNDWATER SHOULD BE ANTICIPATED. CONTRACTOR'S BID SHALL INCLUDE CONSIDERATION FOR ADDRESSING THIS ISSUE AND OBTAINING ALL NECESSARY PERMITS. 3. FLOOD ZONE: AH 4. BASE FLOOD ELEVATION (BFE): 6.0' NAVD 1988
 5. ALL SANITARY MANHOLES TO BE FILLED WITH SAND AND ABANDONED IN PLACE.
- 6. DESIGN BUILD FIRM SHALL CONTACT CITY OPERATION STAFF ONE WEEK IN ADVANCE PRIOR TO WATER AND FORCE MAIN CONNECTIONS TO ENSURE ALL VALVES ARE WORKING. DESIGN BUILD FIRM TO ADVISE CITY OPERATION STAFF OF PROPOSED CONNECTION PROCEDURE. 7. DESIGN BUILD FIRM IS RESPONSIBLE FOR TREE REMOVAL PERMITS.
- 8. DESIGN BUILD FIRM IS RESPONSIBLE TO PROVIDE SURVEY/SKETCH AND LEGAL DRAWINGS AS NEEDED TO ASSIST THE CITY WITH OBTAINING ALL TEMPORARY AND/OR PERMANENT EASEMENTS FOR THE INSTALLATION OF ALL PUMP STATION AND UTILITY WORK NOT IN THE PUBLIC RIGHT—OF—WAY.

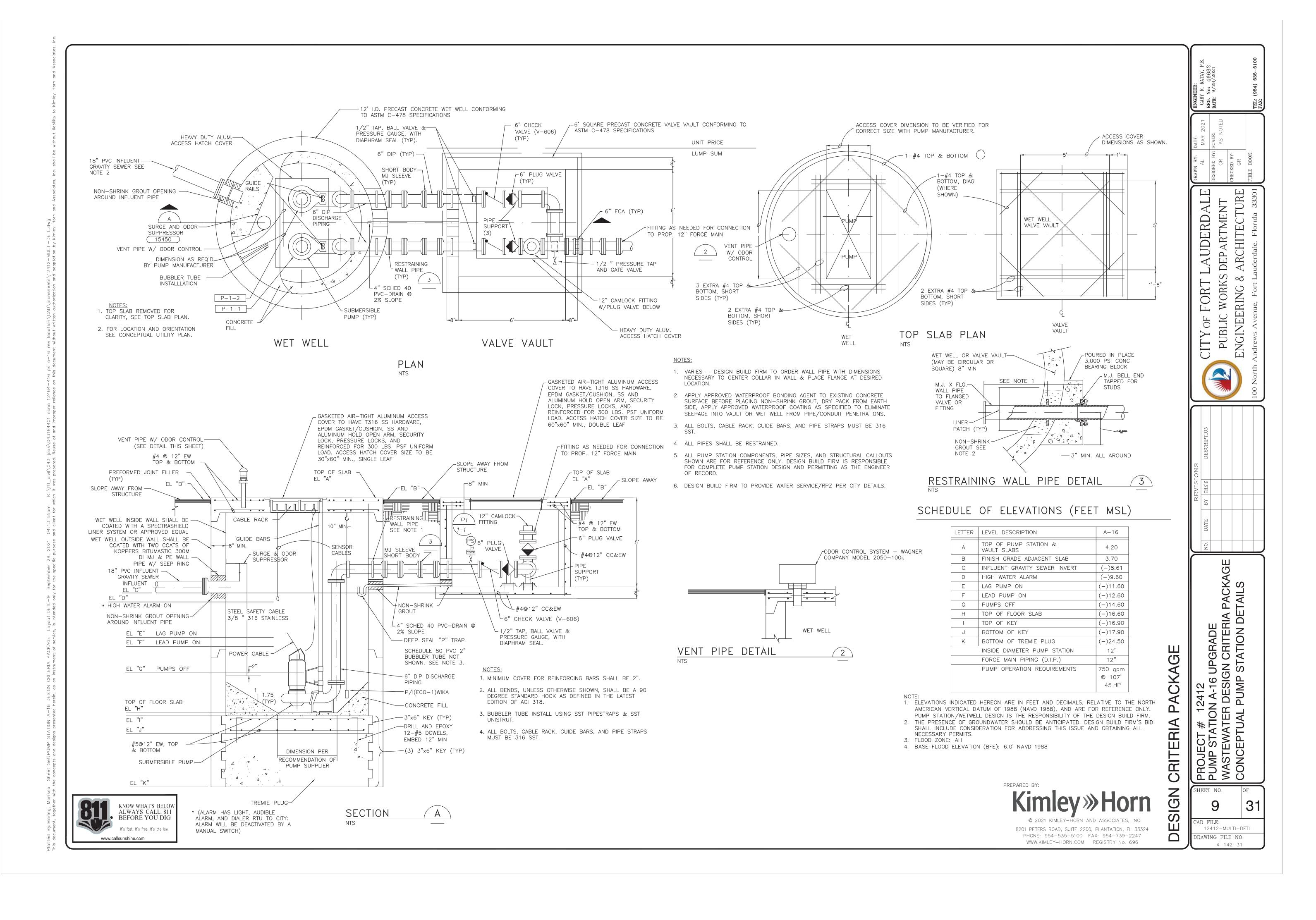
8201 PETERS ROAD, SUITE 2200, PLANTATION, FL 33324 PHONE: 954-535-5100 FAX: 954-739-2247 WWW.KIMLEY-HORN.COM REGISTRY No. 696

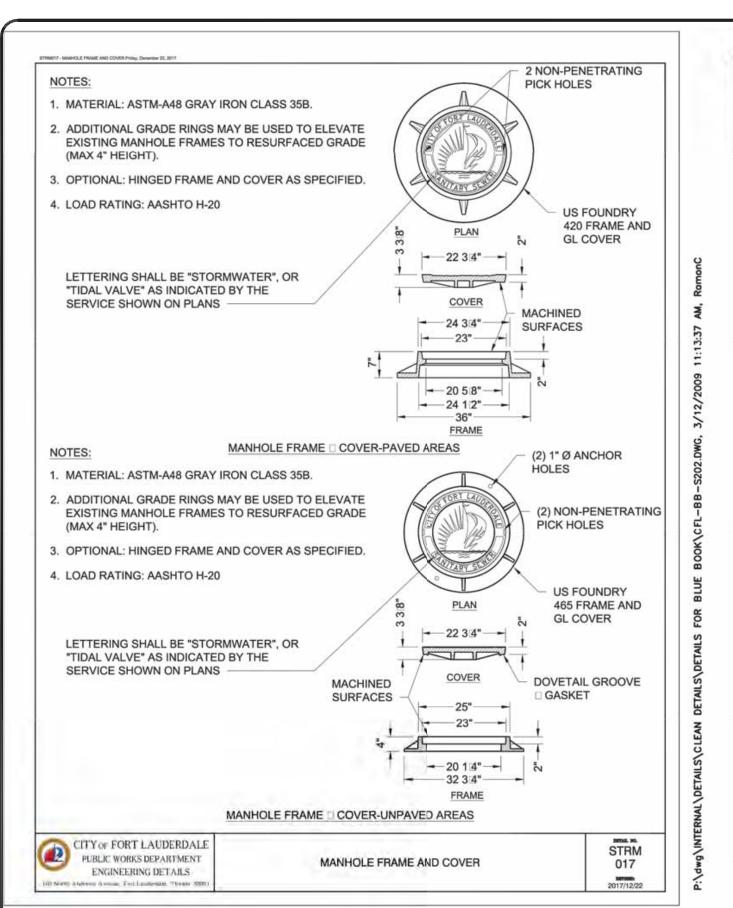
AD FILE: 12412-MULTI-PLAN-ADD ALTERNATE RAWING FILE NO. 4-142-31

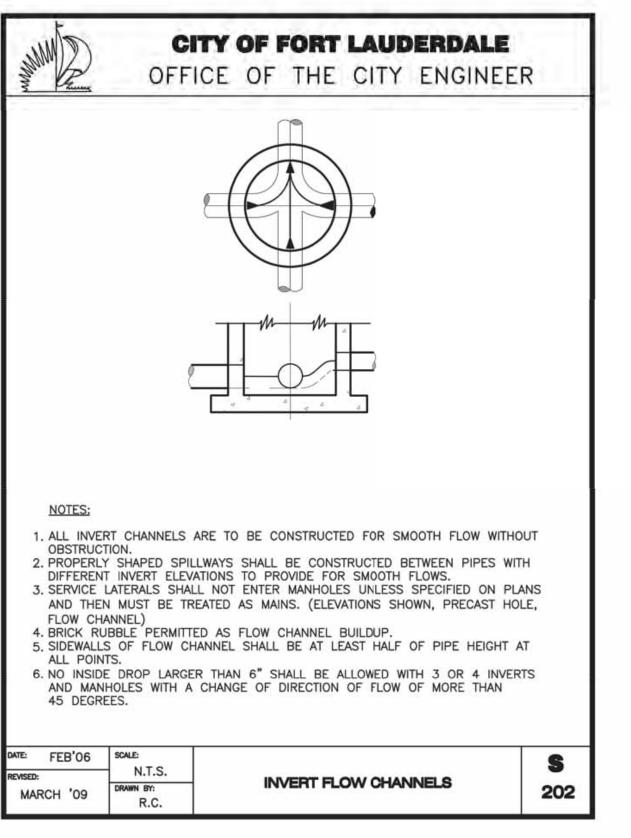
CONCEPTUAL UTILITY PLAN

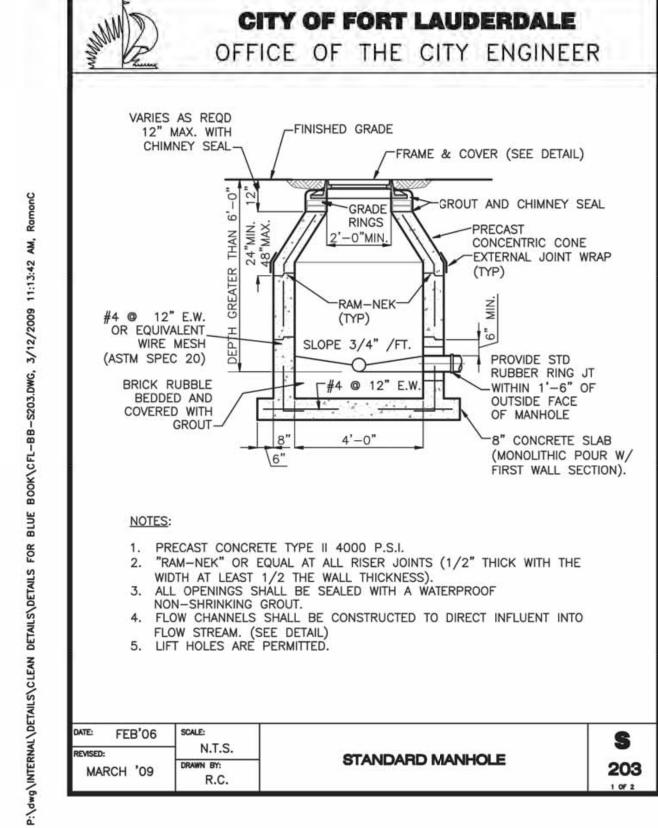
Page 9 of 32

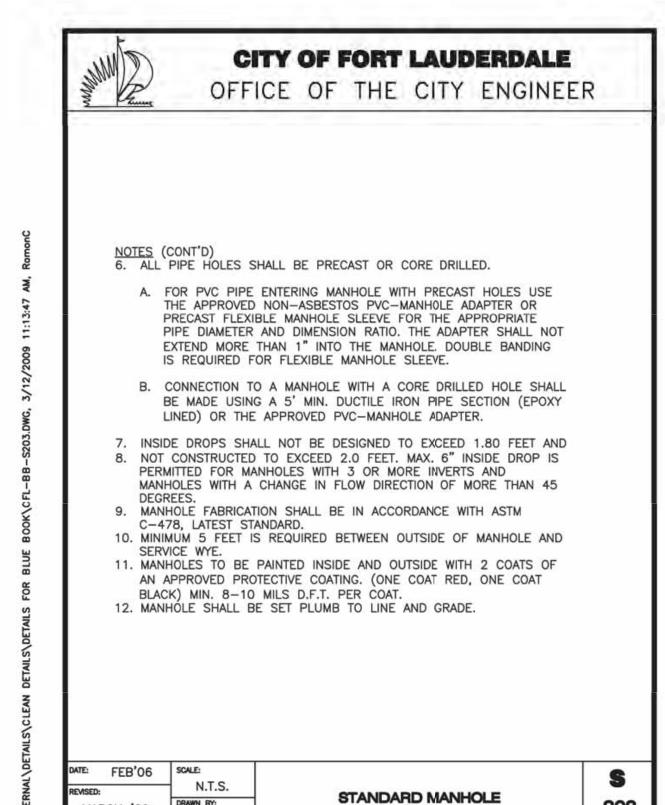
CAM 22-0628 Exhibit 6

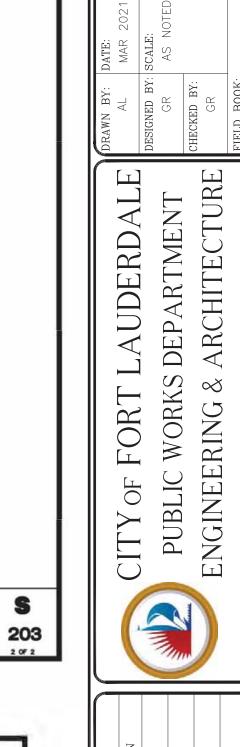


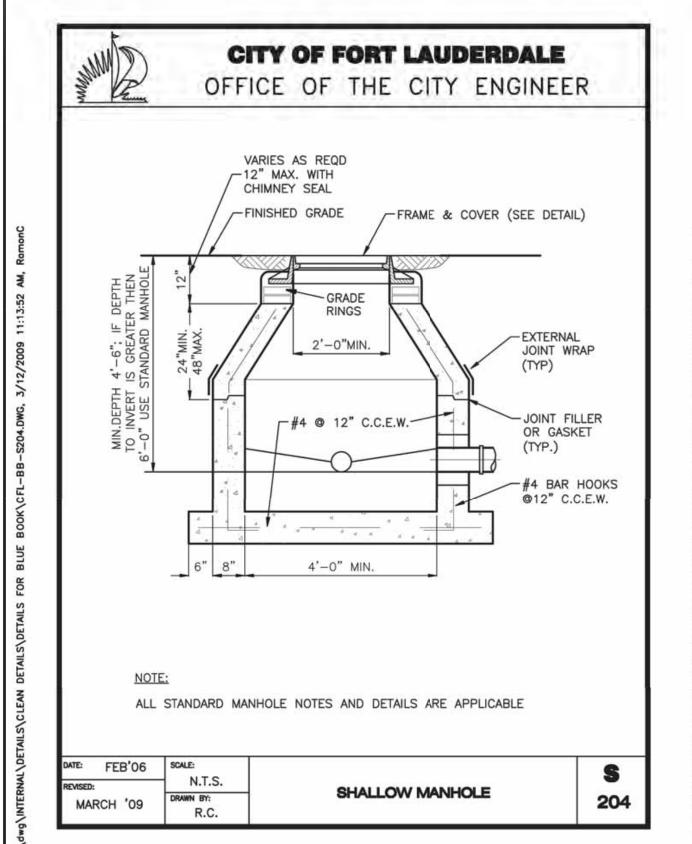


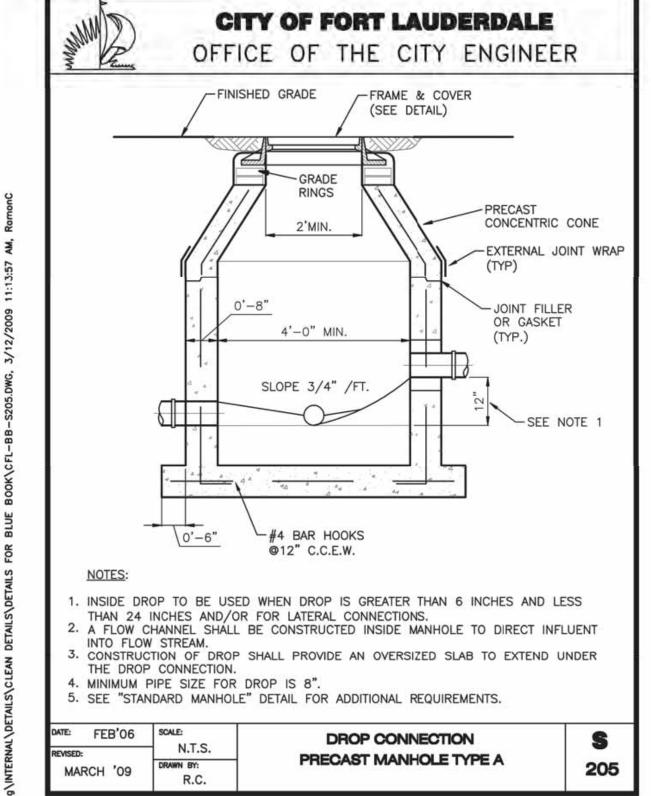


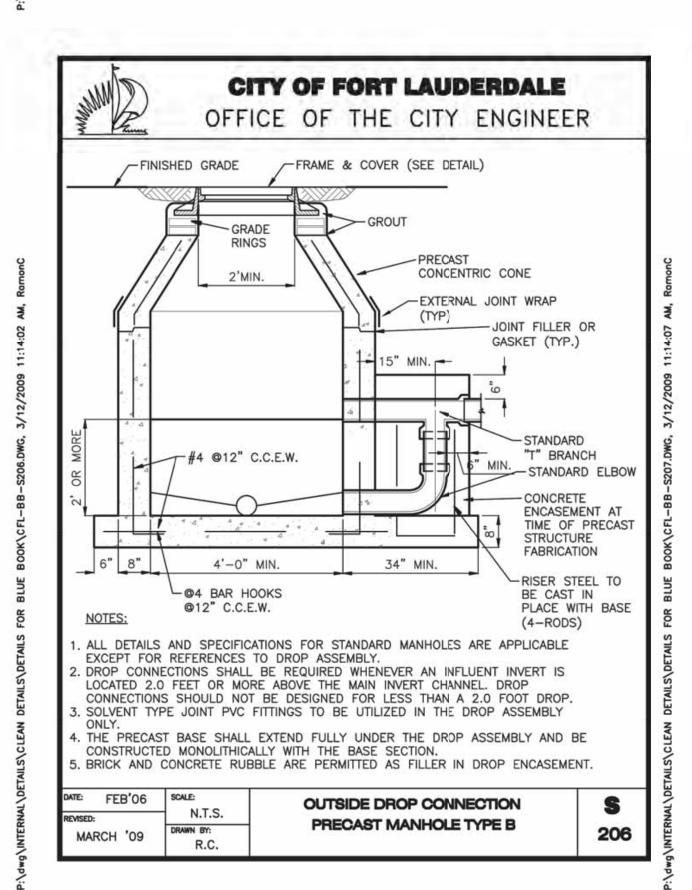


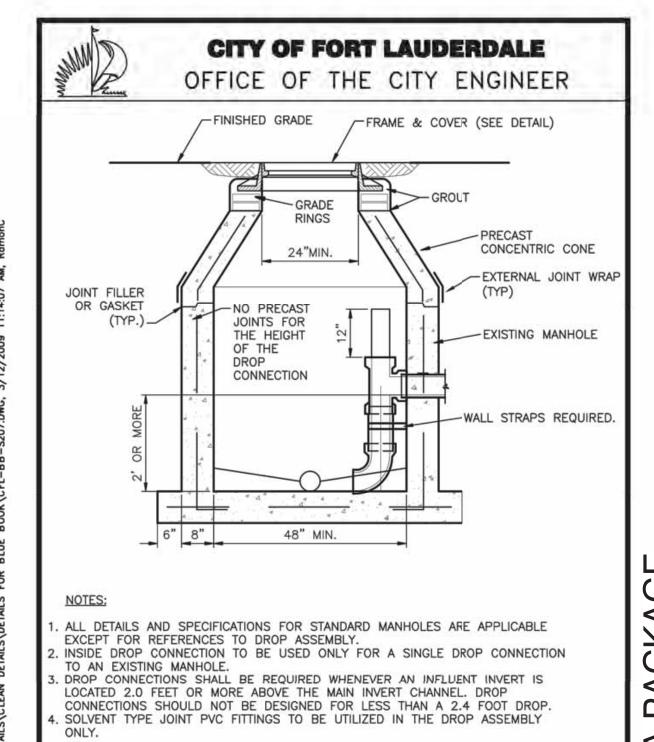






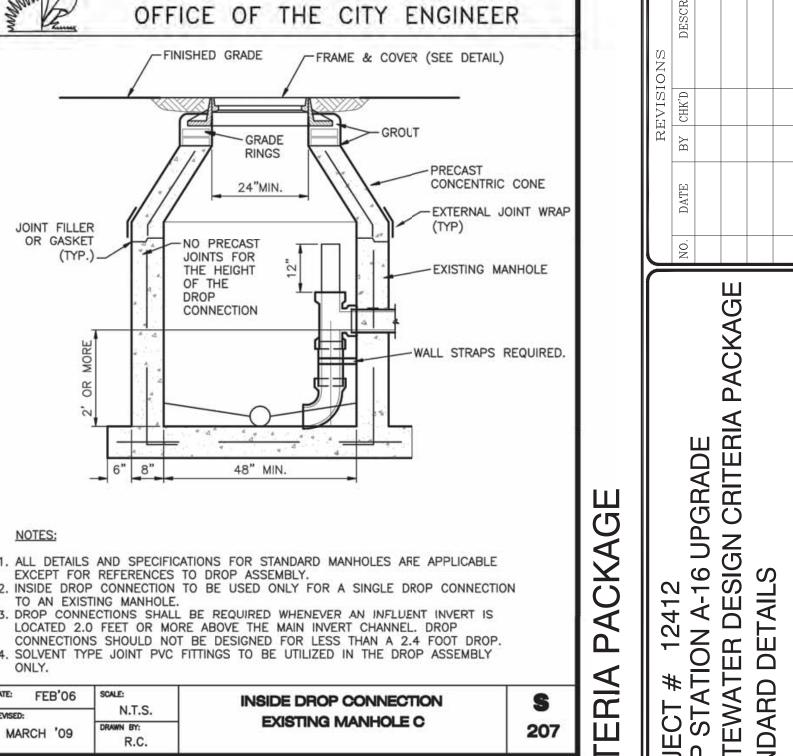






MARCH '09

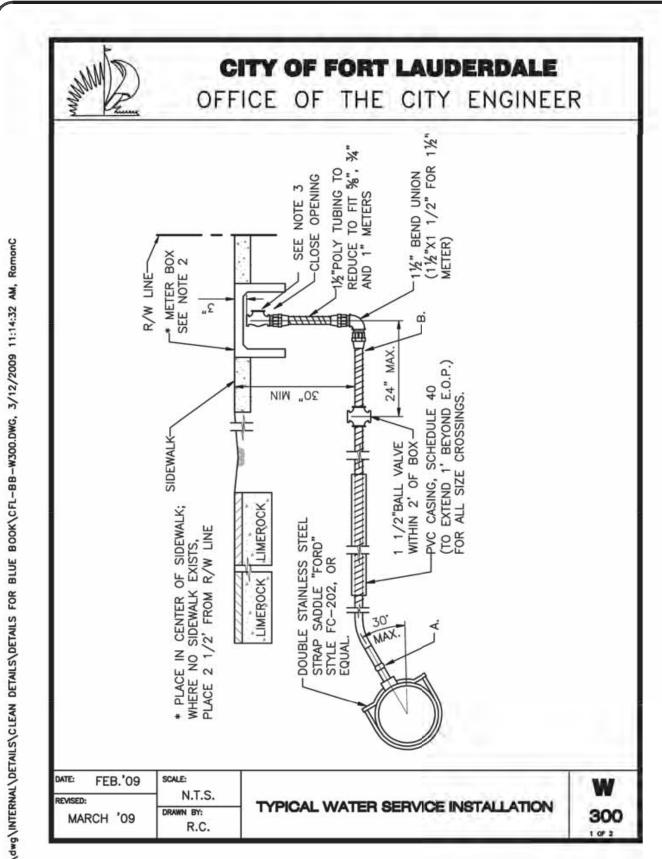
R.C.

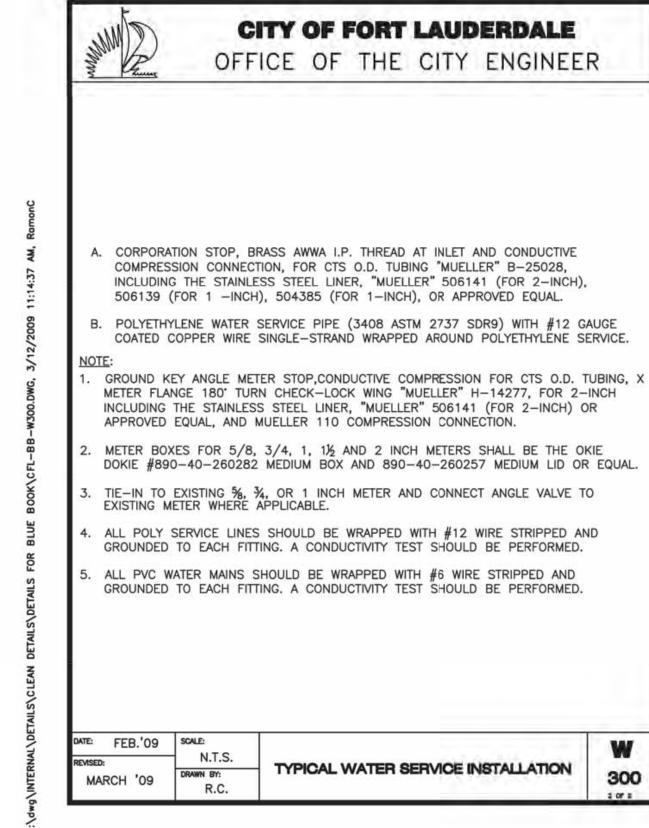


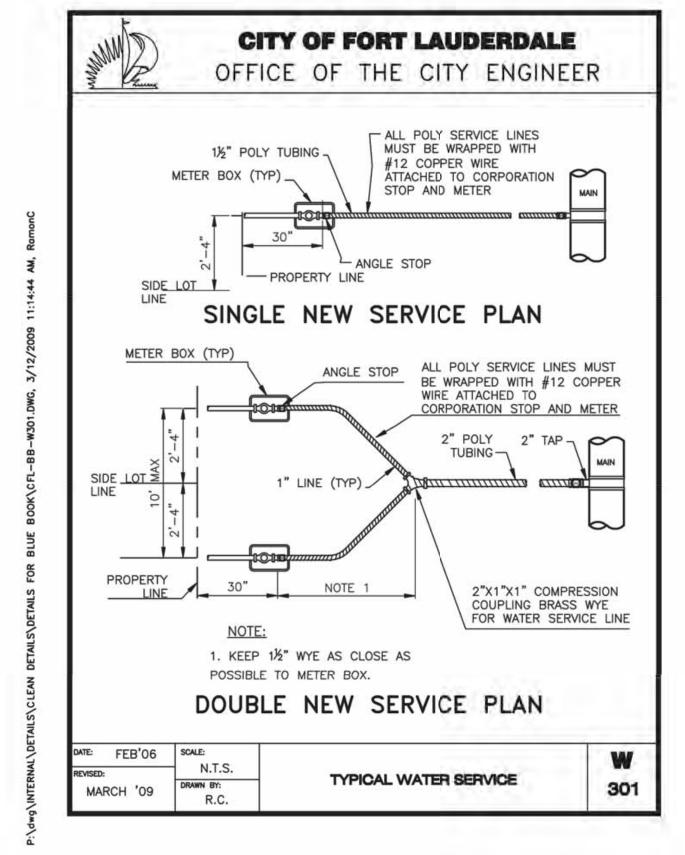


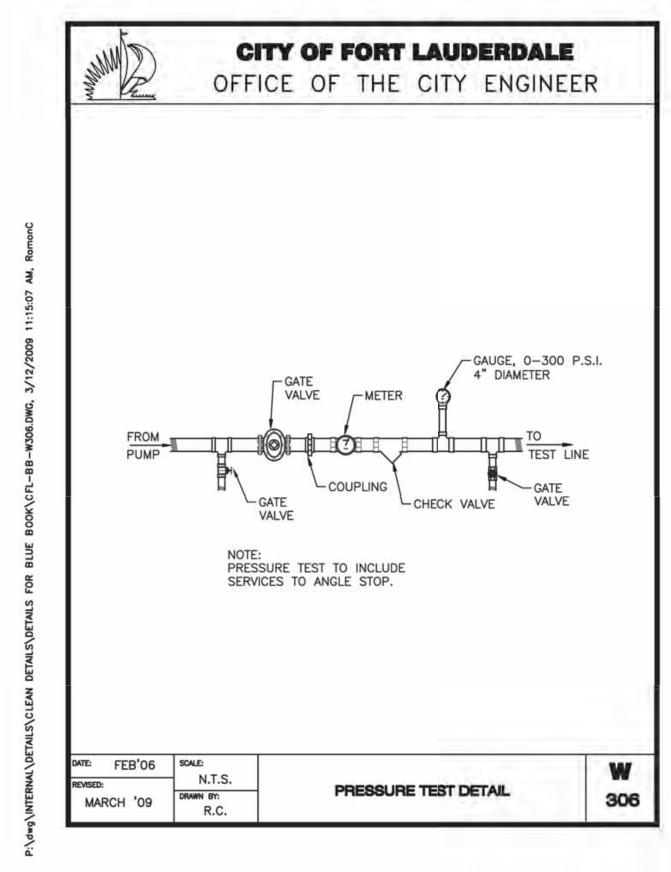
PREPARED BY:

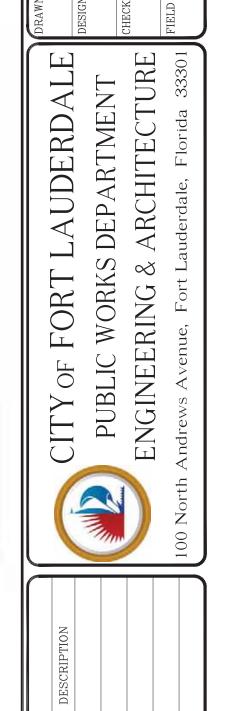
HEET NO. 31 AD FILE: 8201 PETERS ROAD, SUITE 2200, PLANTATION, FL 33324 12412-MULTI-DETL PHONE: 954-535-5100 FAX: 954-739-2247 RAWING FILE NO. WWW.KIMLEY-HORN.COM REGISTRY No. 696 4-142-31

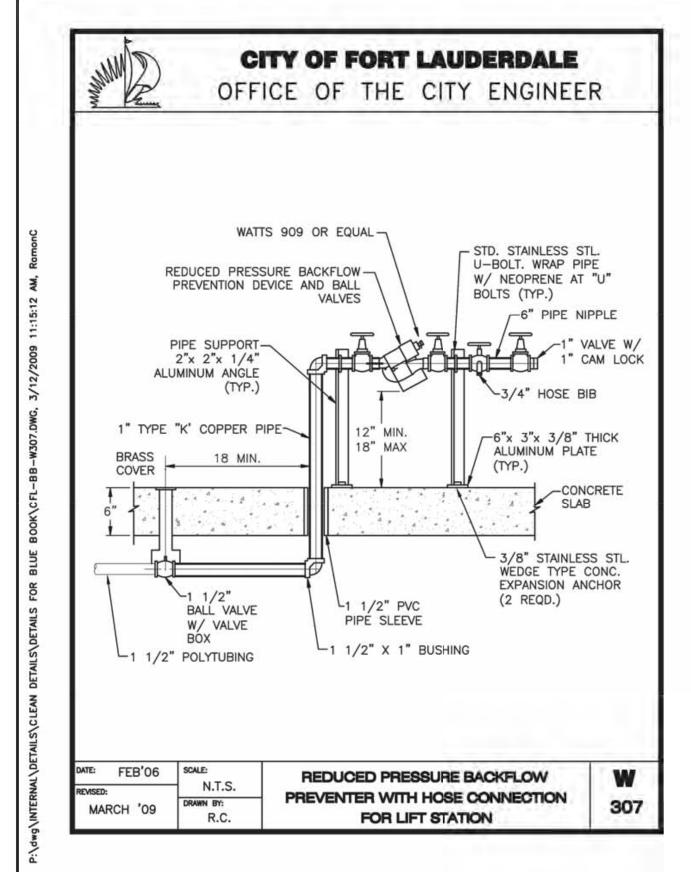














© 2021 KIMLEY-HORN AND ASSOCIATES, INC. 8201 PETERS ROAD, SUITE 2200, PLANTATION, FL 33324

WWW.KIMLEY-HORN.COM REGISTRY No. 696

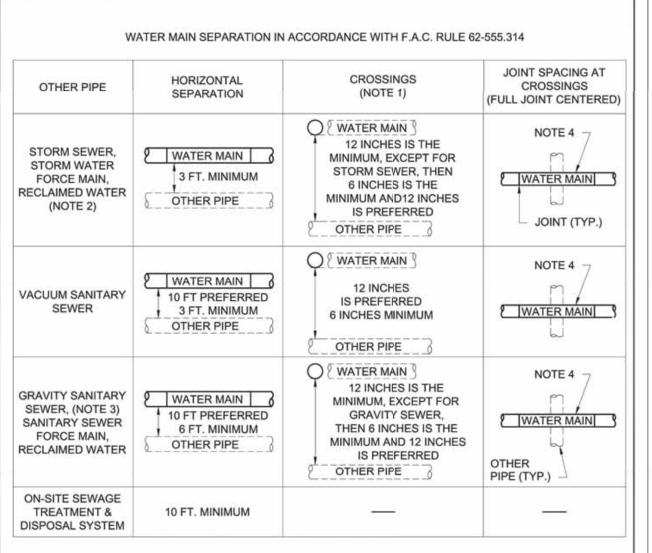
PHONE: 954-535-5100 FAX: 954-739-2247

HEET NO.

PACKAGE

PROJECT # 12412
PUMP STATION A-16 UPGRADE
WASTEWATER DESIGN CRITERIA P.

PACKAGE



NOTES:

- 1. WATER MAIN SHOULD CROSS ABOVE OTHER PIPE. WHEN WATER MAIN MUST BE BELOW OTHER PIPE, THE MINIMUM SEPARATION IS 12 INCHES.
- 2. RECLAIMED WATER REGULATED UNDER PART III OF CHAPTER 62-610, F.A.C.
- 3. 3 FT. FOR GRAVITY SANITARY SEWER WHERE THE BOTTOM OF THE WATER MAIN IS LAID AT LEAST 6 INCHES ABOVE THE TOP OF THE GRAVITY SANITARY SEWER.
- 4. ONE FULL LENGTH OF WATER MAIN PIPE SHALL BE CENTERED ABOVE OR BELOW THE OTHER PIPE SO THAT THE WATER MAIN JOINTS WILL BE AS FAR AS POSSIBLE FROM THE OTHER PIPELINE, ALTERNATE JOINT LOCATIONS ALLOWED UNDER FAC 62-555.314 WILL ONLY BE ALLOWED BY THE ENGINEER ON A CASE-BY-CASE BASIS.

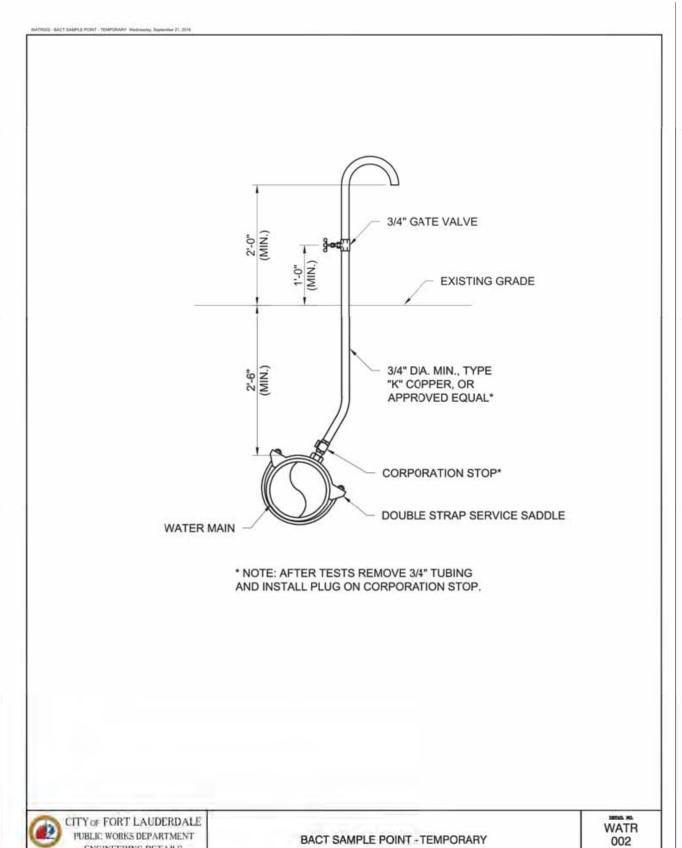
WATR

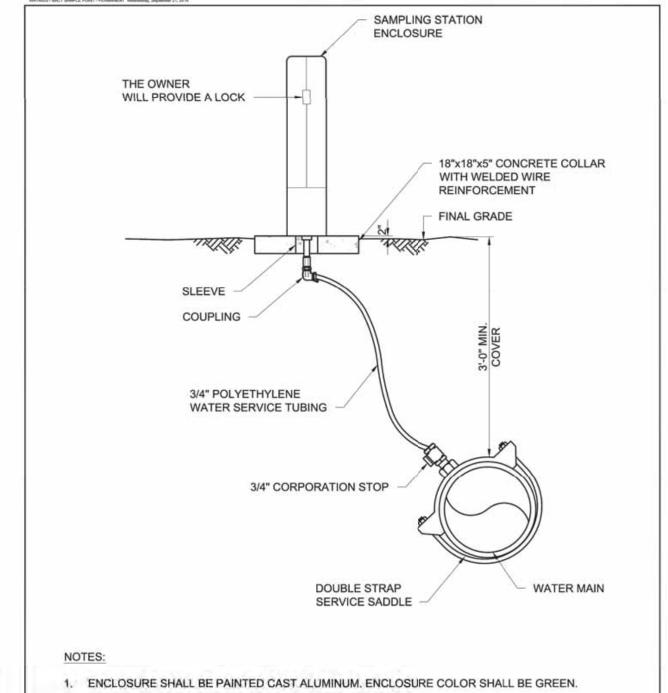
001

ENGINEERING DETAILS

ENGINEERING DETAILS

CITY OF FORT LAUDERDALE	
PUBLIC WORKS DEPARTMENT ENGINEERING DETAILS	WATER MAIN SEPARATION







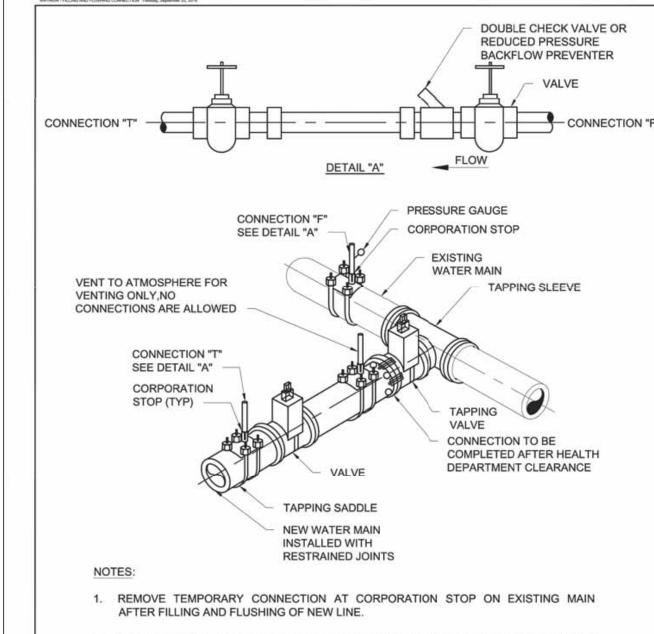
BACT SAMPLE POINT - PERMANENT

WATR

003

CITY OF FORT LAUDERDALE
PUBLIC WORKS DEPARTMENT

ENGINEERING DETAILS

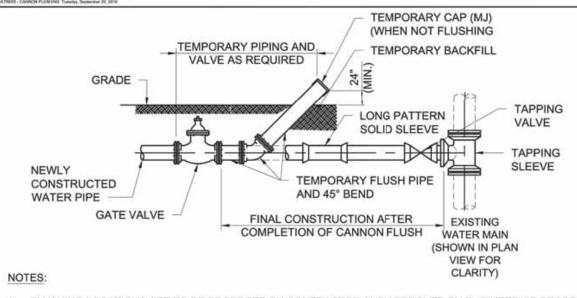


2. DO NOT REMOVE TEMPORARY CONNECTION AT CORPORATION STOP ON NEW MAIN UNTIL ALL TESTING HAS BEEN CLEARED BY HEALTH DEPARTMENT.

3 CLOSE CORPORATION STOPS AND PLUG/CAP WITH LEAD-FREE BRASS FITTINGS AFTER SAMPLING IS COMPLETED.

4. CONTRACTOR WILL INSTALL A PRESSURE GAUGE AT OR NEAR THE FILL AND FLUSH LOCATION AND MAINTAIN A MINIMUM PRESSURE OF 40 PSI AT ALL TIMES. THE FILL VALVE WILL BE OPENED AND CLOSED SLOWLY TO AVOID RAPID PRESSURE CHANGES IN THE WATER SYSTEM.

CITY OF FORT LAUDERDALE
PUBLIC WORKS DEPARTMENT WATR FILLING AND FLUSHING CONNECTION 004 ENGINEERING DETAILS



1. FLUSHING LOCATIONS ARE TO BE PROPOSED BY CONTRACTOR AND APPROVED BY ENGINEER OF RECORD.

- 2. UPON COMPLETION OF THE PIPE INSTALLATION FOR ANY SECTION, THE MAINS SHALL BE CANNON FLUSHED
- INSTALL A TEMPORARY 45° BEND, VALVE AND ASSOCIATED TEMPORARY PIPING AS SHOWN TO DIRECT THE FLUSHING WATER AWAY FROM THE IMMEDIATE WORK AREA AND EXERCISE DUE CARE SO AS TO ENSURE THAT THE WATER USED IN FLUSHING DOES NOT CAUSE A NUISANCE OR INFLICT PROPERTY DAMAGE.
- 4. BENDS AND PIPING SHALL BE THE SAME SIZE OR LARGER AS THE LINE BEING FLUSHED.

TO REMOVE DIRT AND ANY OTHER FOREIGN MATTER.

- PRIOR TO THE ACTUAL LINE FLUSHING OPERATION THE CONTRACTOR SHALL PROPERLY NOTIFY OWNER'S INSPECTOR OF SUCH INTENDED WATER USE.
- 6. NO EXISTING VALVES SHALL BE OPERATED, EXCEPT BY AUTHORIZED OWNER PERSONNEL.
- 7. FLUSHING SHALL NOT BE ACCOMPLISHED WITHOUT THE ACTUAL PRESENCE OF THE OWNER'S INSPECTOR.
- 8. AFTER THE LINE UNDER CONSTRUCTION HAS BEEN SUCCESSFULLY FLUSHED, THE CONTRACTOR SHALL REMOVE THE TEMPORARY PIPING ARRANGEMENT AND PROCEED WITH THE REMAINING CONSTRUCTION AS
- 9. ALL PIPING SHALL BE RESTRAINED.
- 10. CONTRACTOR WILL INSTALL A PRESSURE GAUGE AT OR NEAR THE FILL AND FLUSH LOCATION AND MAINTAIN A MINIMUM PRESSURE OF 40 PSI AT ALL TIMES. THE FILL VALVE WILL BE OPENED AND CLOSED SLOWLY TO AVOID RAPID PRESSURE CHANGES IN THE WATER SYSTEM.
- 11. CONTRACTOR IS CAUTIONED THAT GOVERNING AGENCIES OR UTILITIES MAY HAVE REGULATIONS LIMITING OR PROHIBITING DISCHARGE INTO SEWERS, SURFACE WATERS, CANALS, DITCHES AND OTHER CONVEYANCES/RETENTION AREAS. ALL COMPLIANCE WITH GOVERNING AGENCY REQUIREMENTS (INCLUDING PERMITTING, IF REQUIRED) IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
- 12. CANNON FLUSHING TO PROCEED AFTER HEALTH DEPARTMENT CLEARANCE IS RECEIVED.

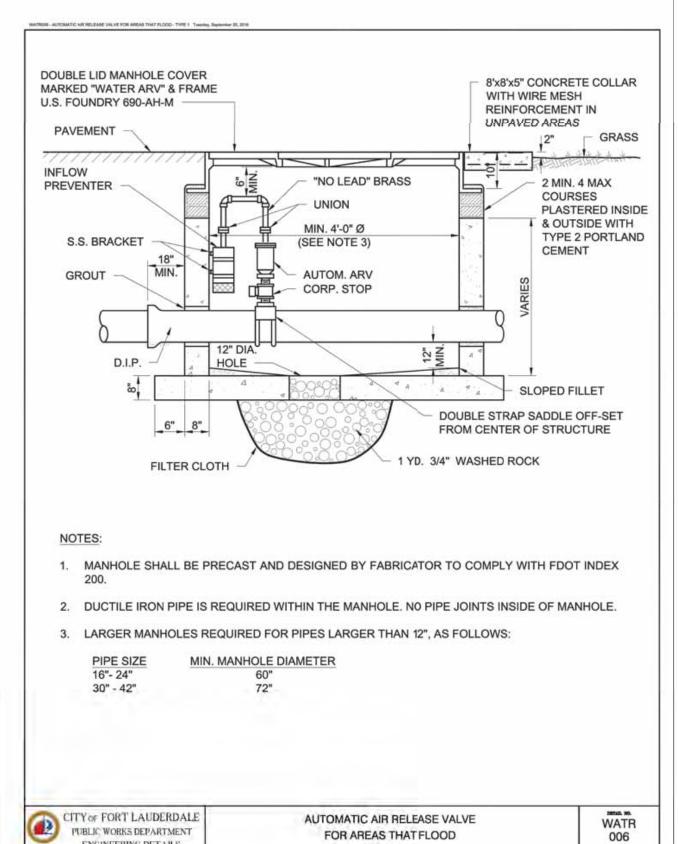
FLUSHING CONNECTION NOT TO SCALE WATR CANNON FLUSHING 005

KNOW WHAT'S BELOV ALWAYS CALL 811 BEFORE YOU DIG It's fast. It's free. It's the law.

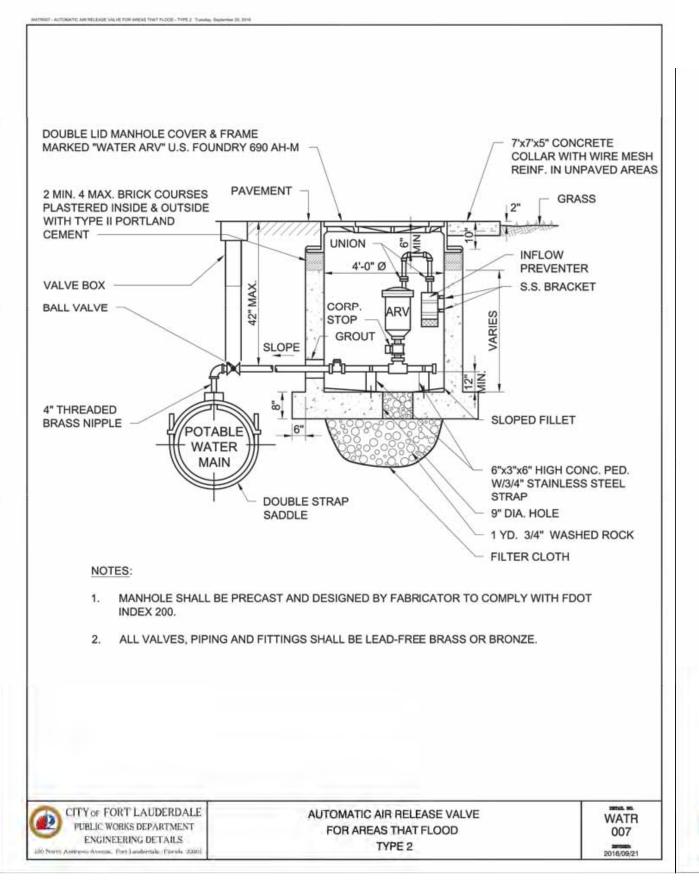
CITY OF FORT LAUDERDALE

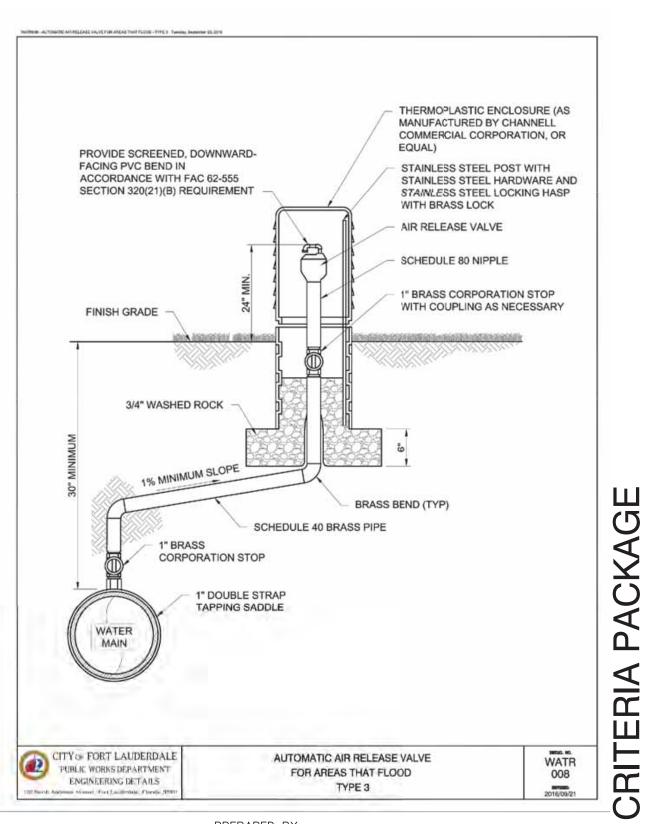
PUBLIC WORKS DEPARTMENT

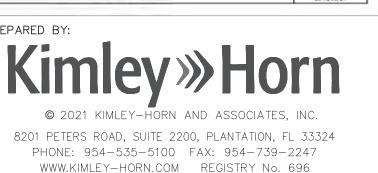
ENGINEERING DETAILS



TYPE 1







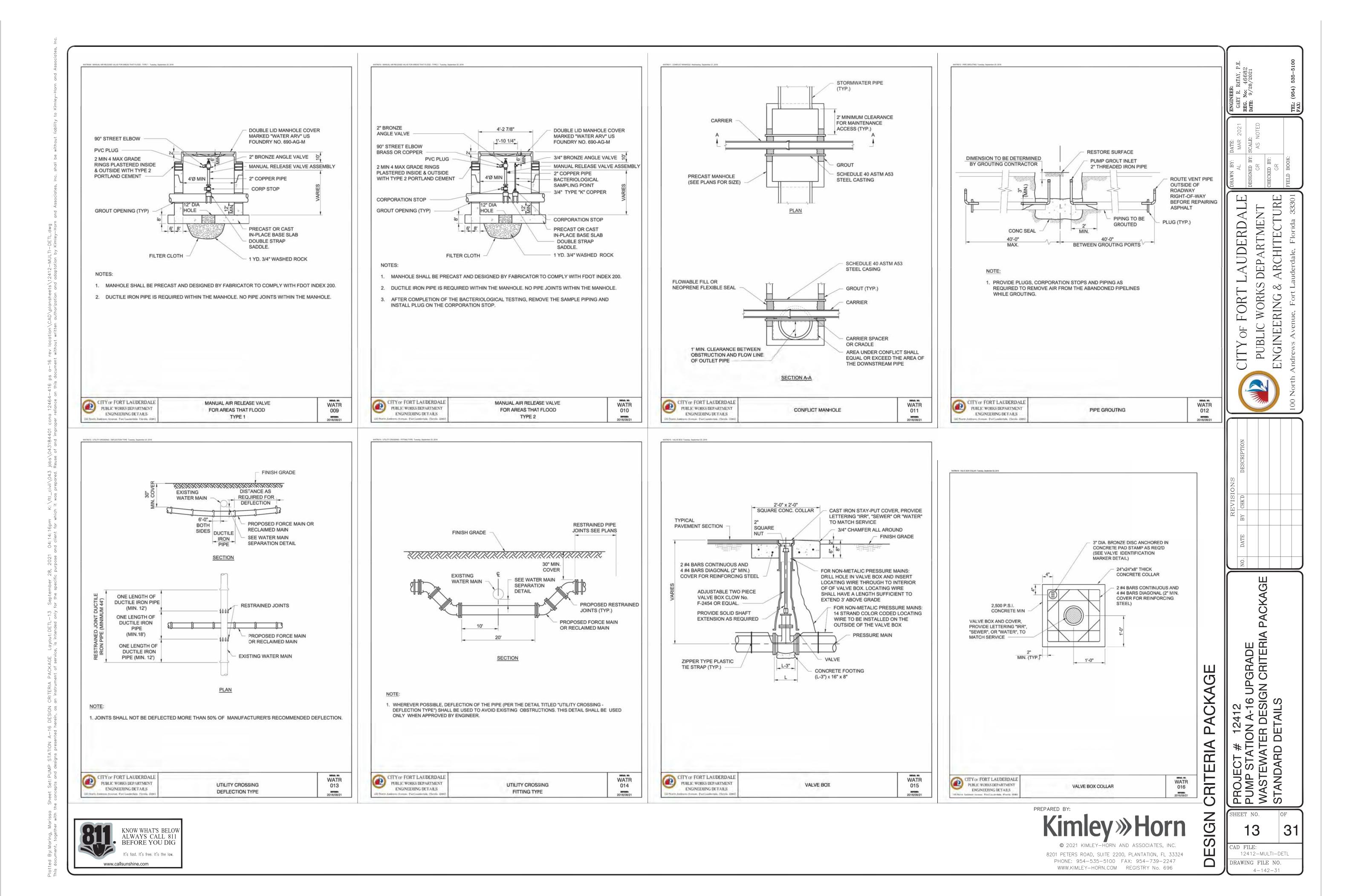
GRADE 412 A-16 UP(DESIGN (# 124 NTION A NTER D NTER D HEET NO.

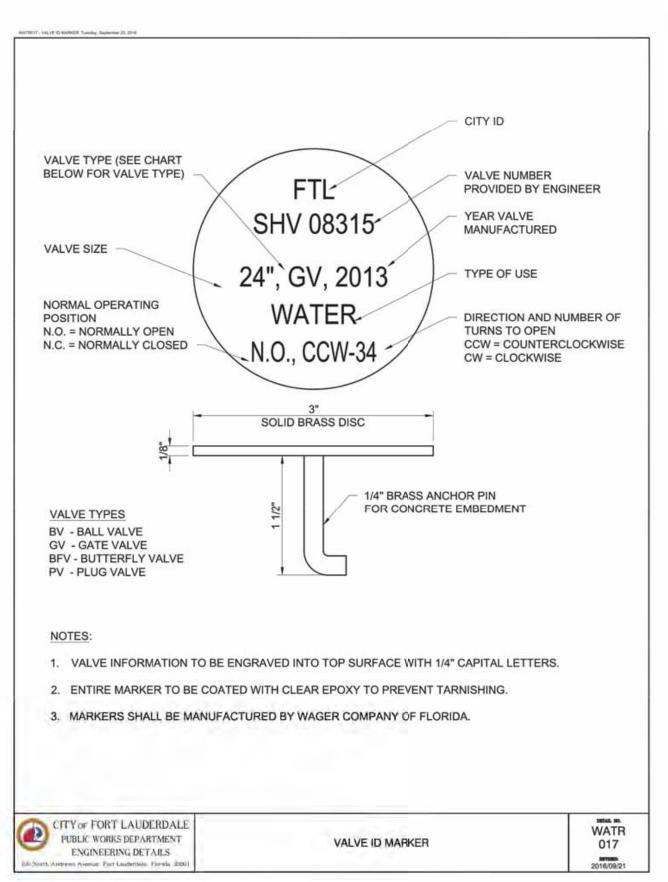
UDERD

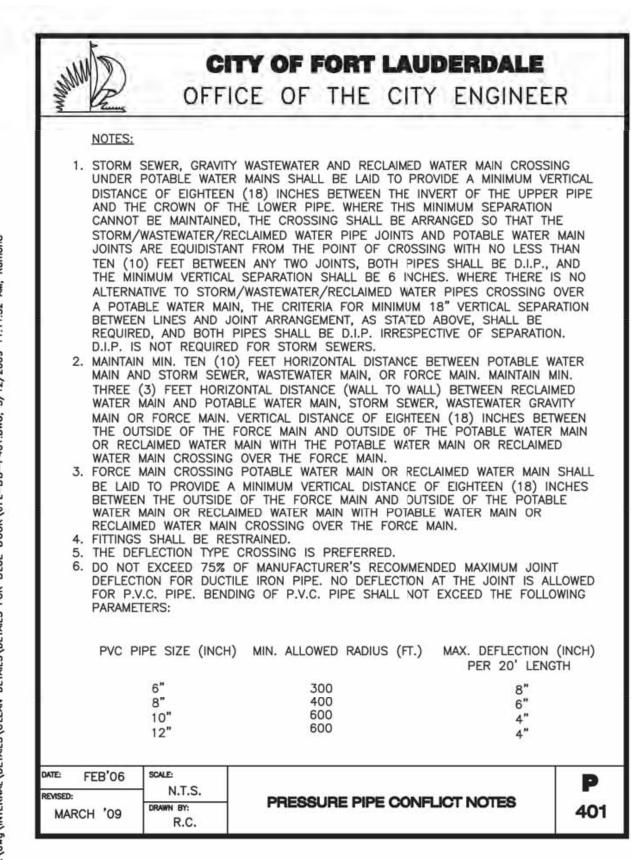
DE

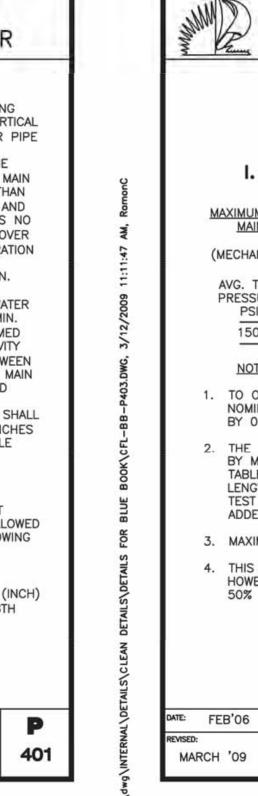
AD FILE: 12412-MULTI-DETL RAWING FILE NO. 4-142-31

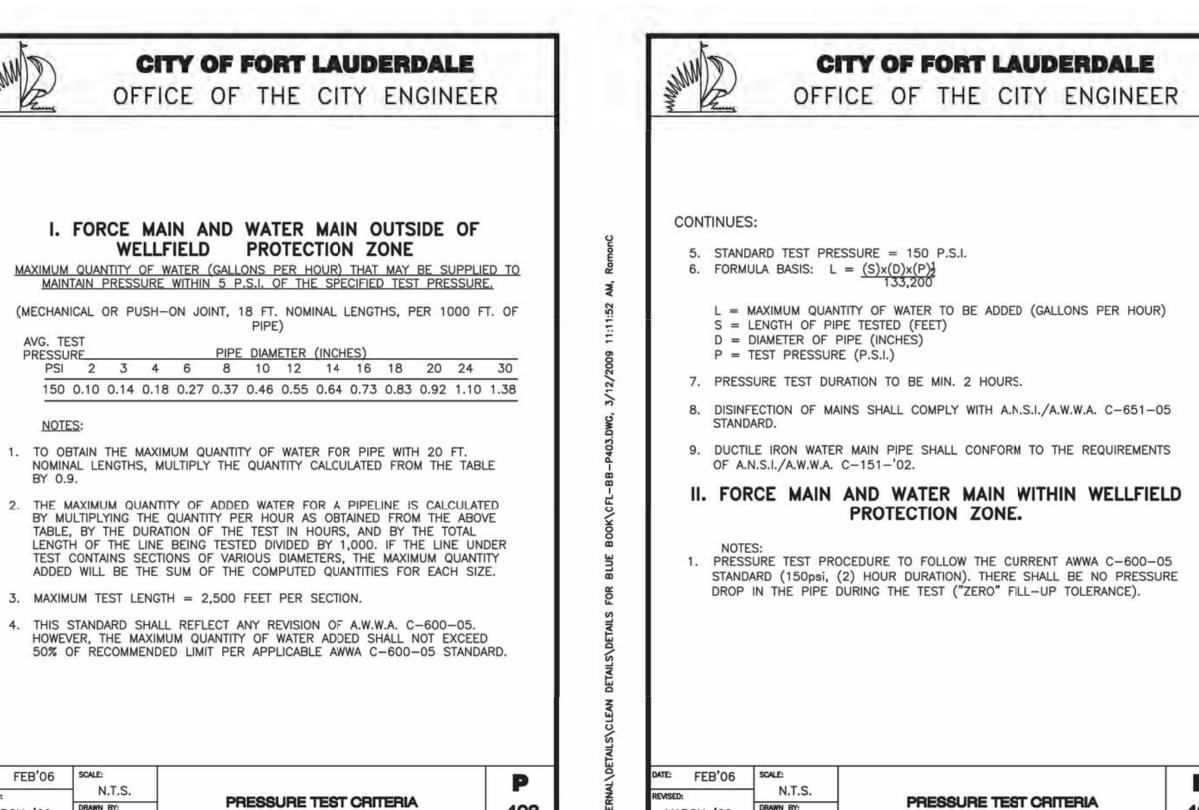
> CAM 22-0628 Page 13 of 32

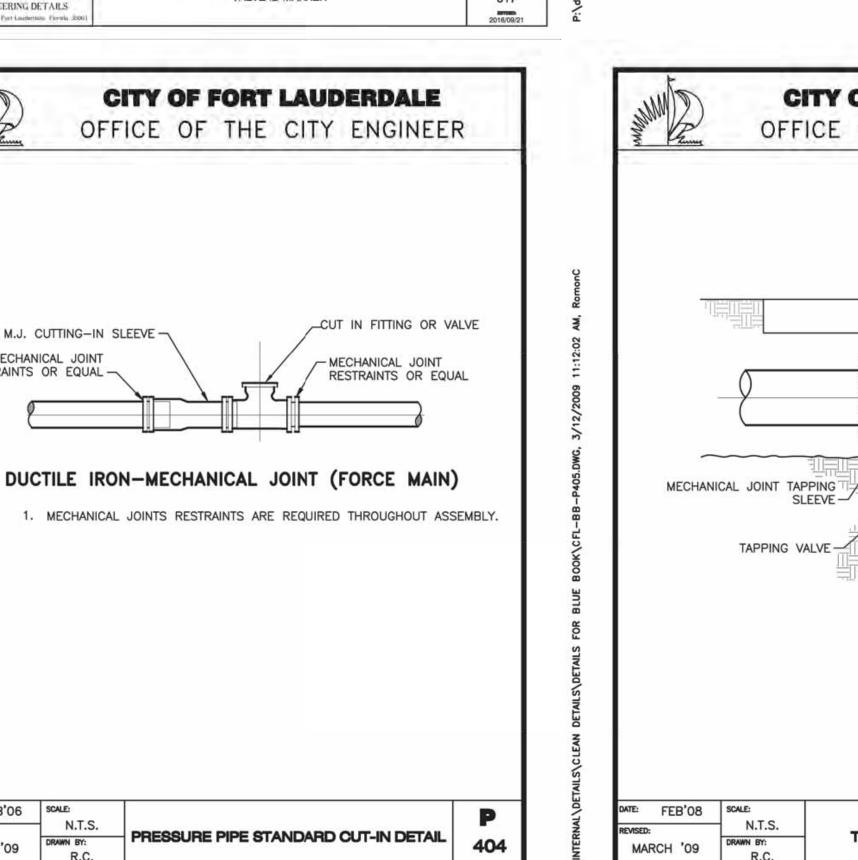


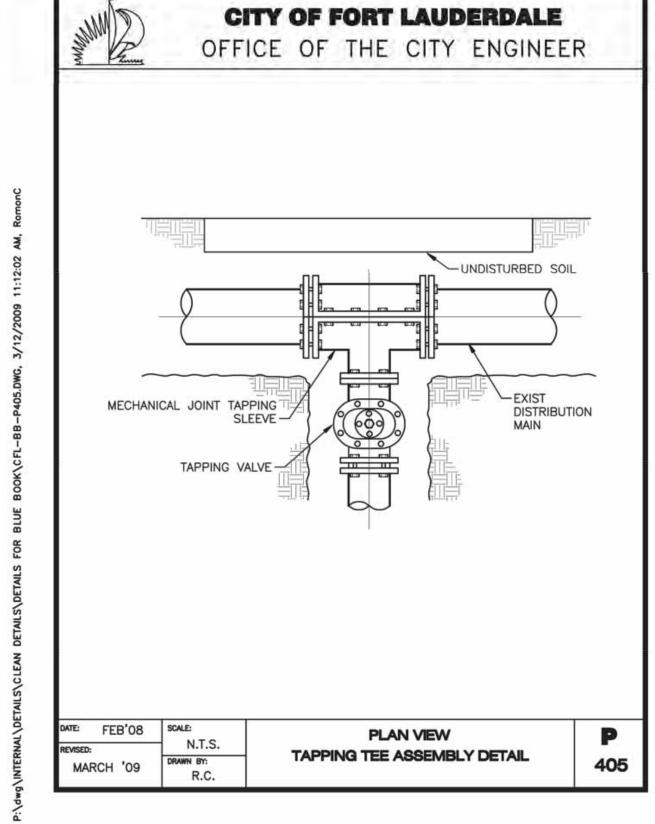


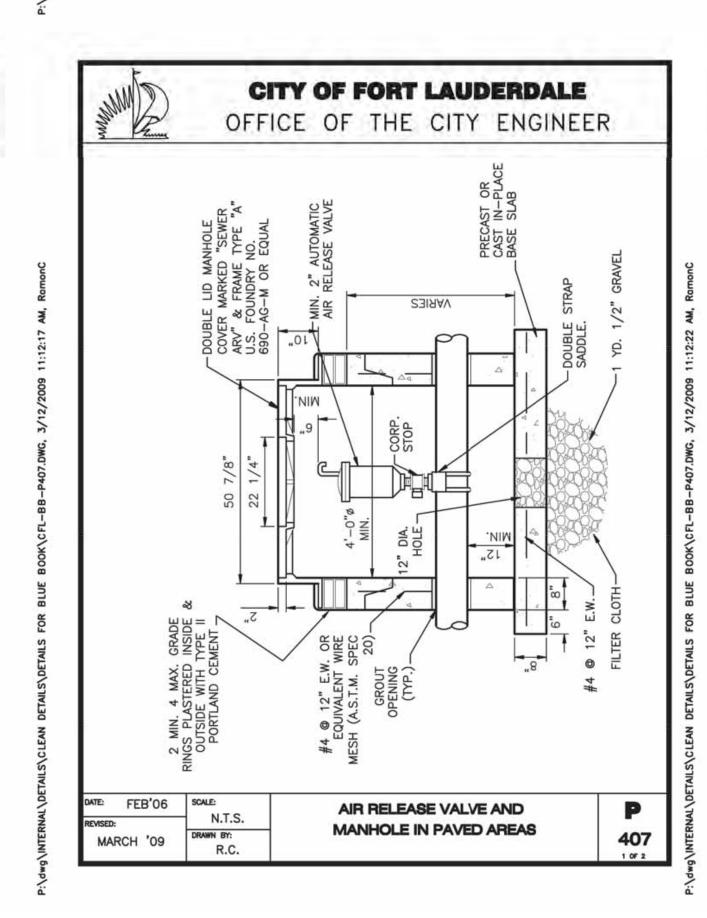




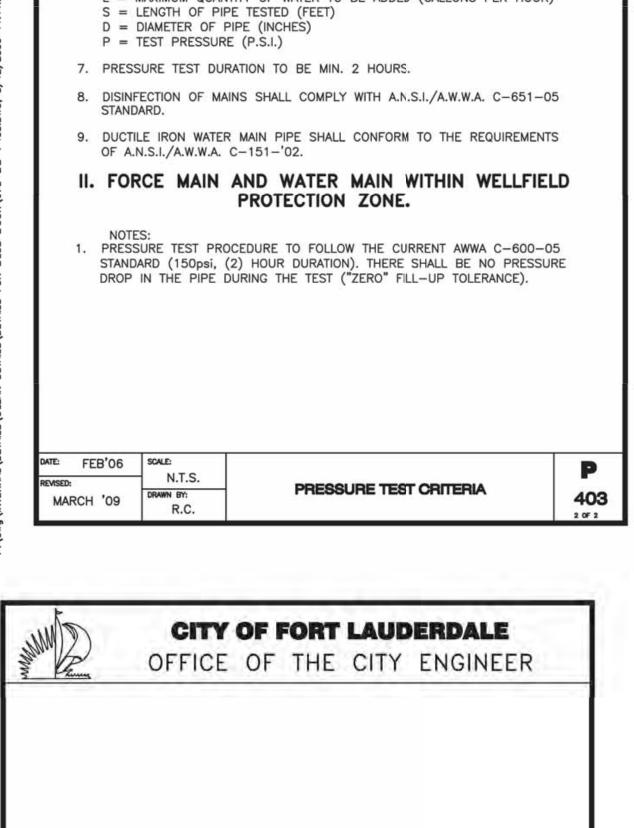


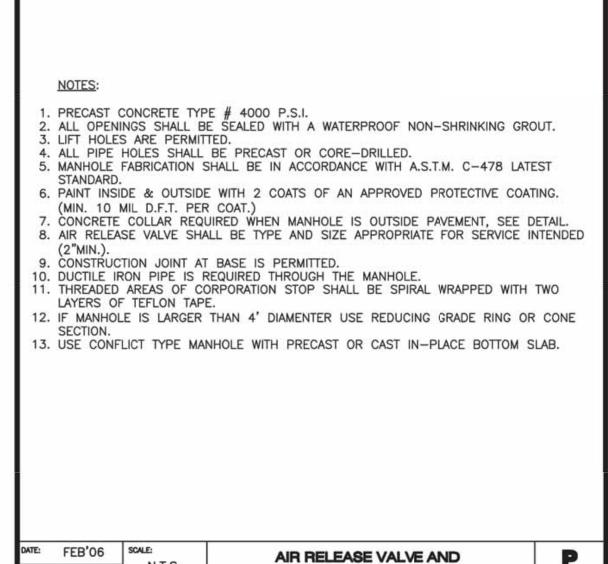






R.C.



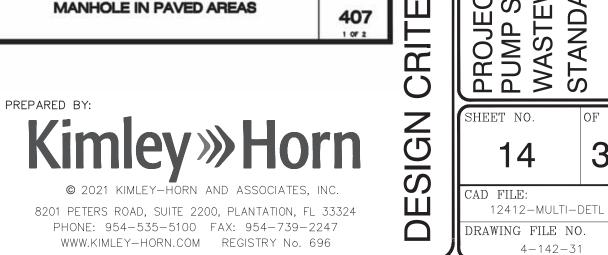


N.T.S.

R.C.

DRAWN BY:

MARCH '09





MTE: FEB'06 SCALE:

MARCH '09

N.T.S.

R.C.

M.J. CUTTING-IN SLEEVE -

MECHANICAL JOINT

RESTRAINTS OR EQUAL -

Exhibit 6

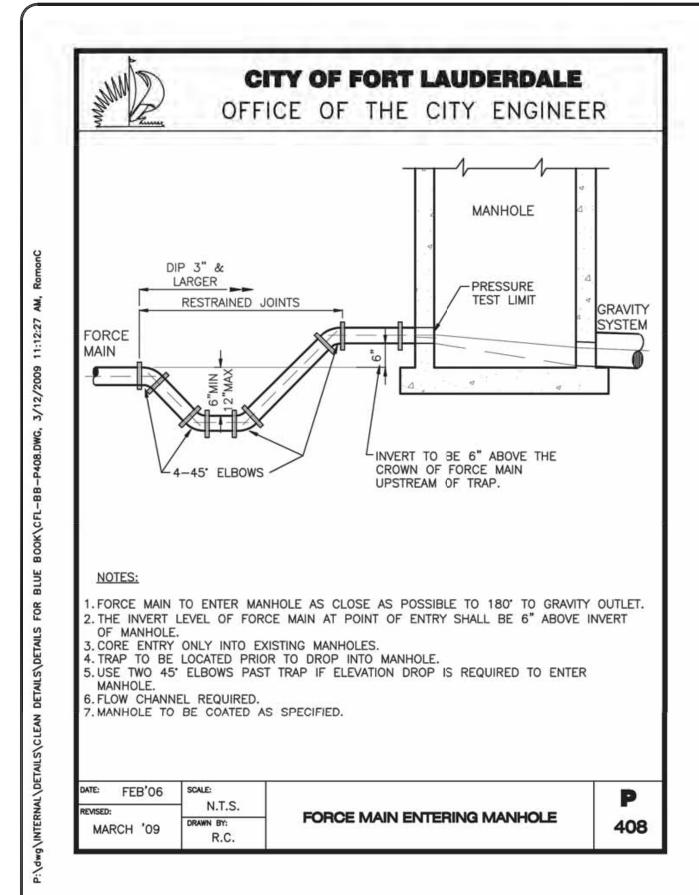
UDERD DE

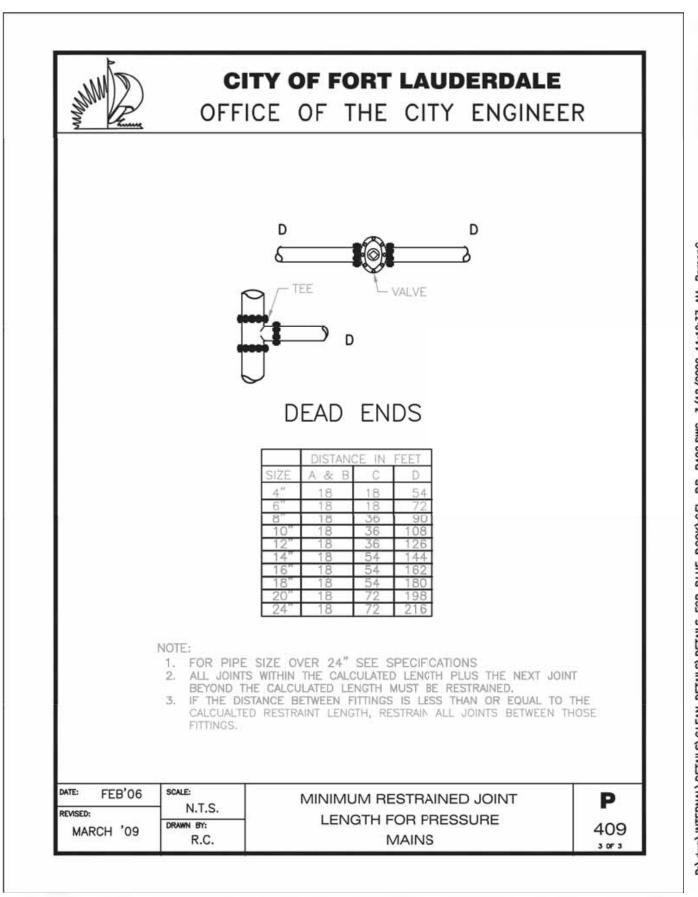
> GRADE CRITERIA 2412 N A-16 UP(I DESIGN (ETAILS

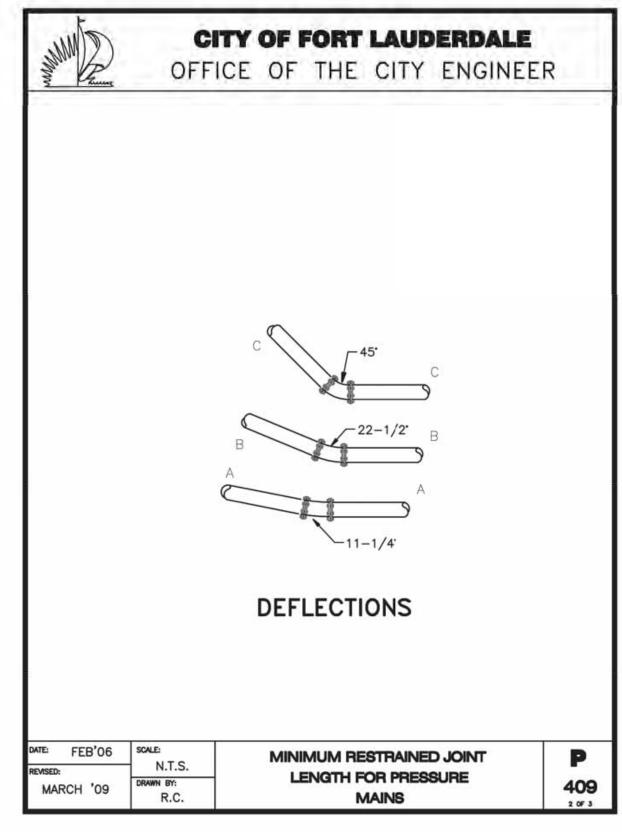
124 ATION A ATER D D DET

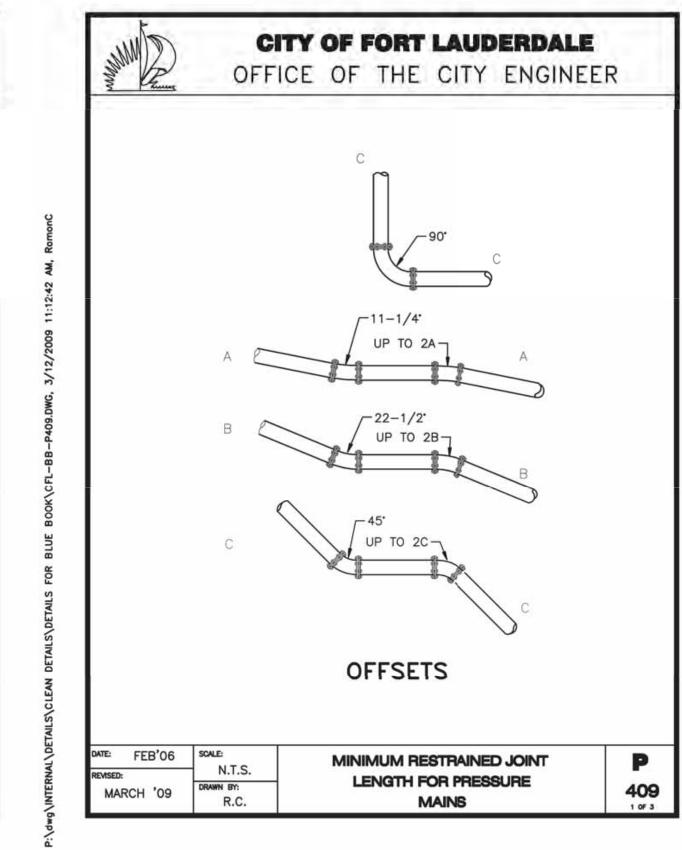
31 12412-MULTI-DETL

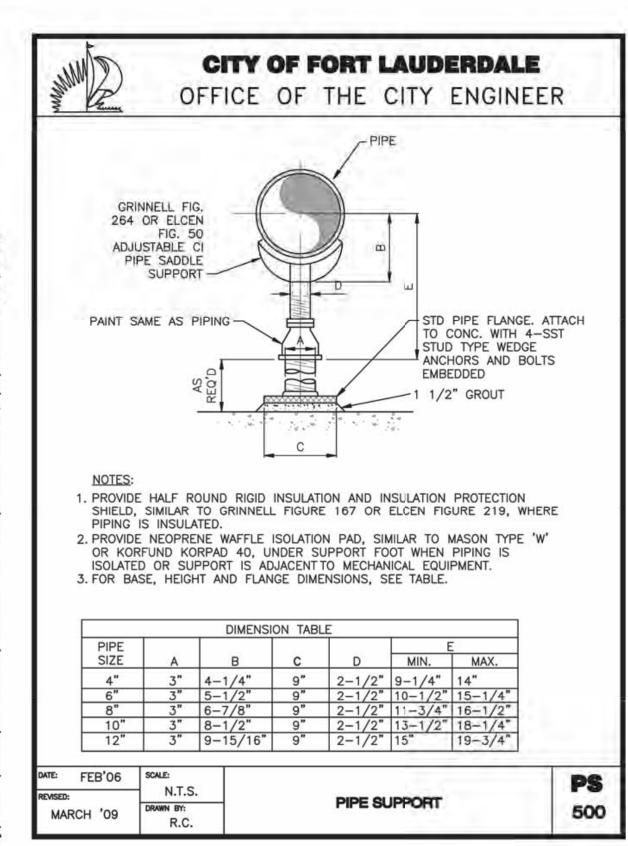
CAM 22-0628

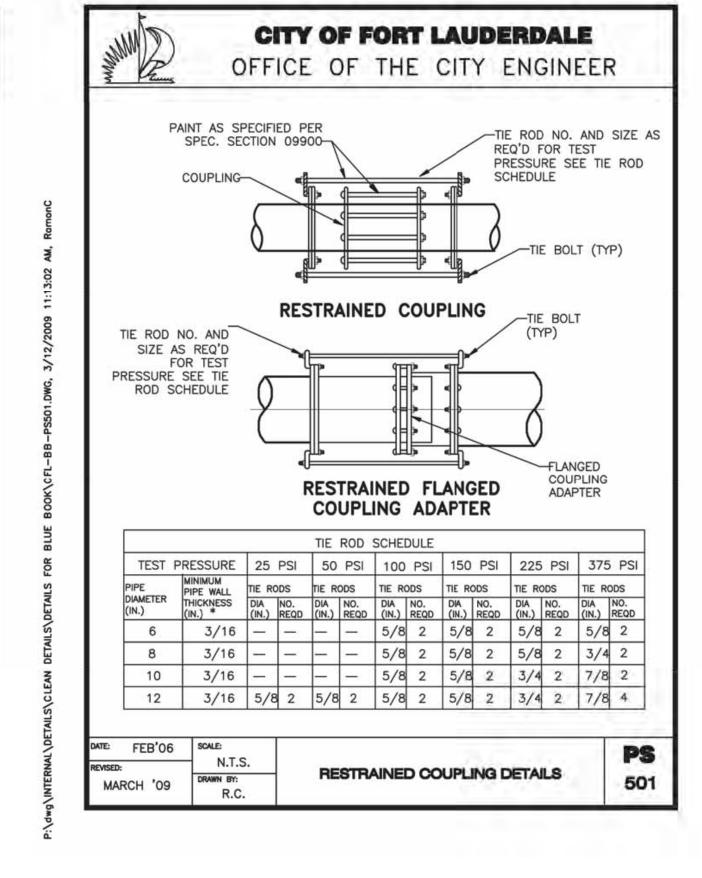


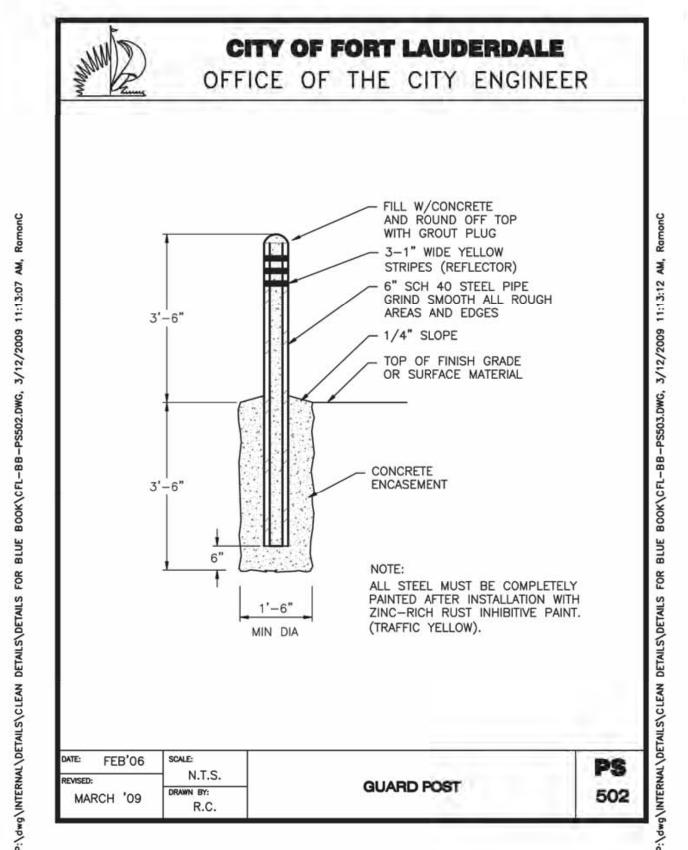


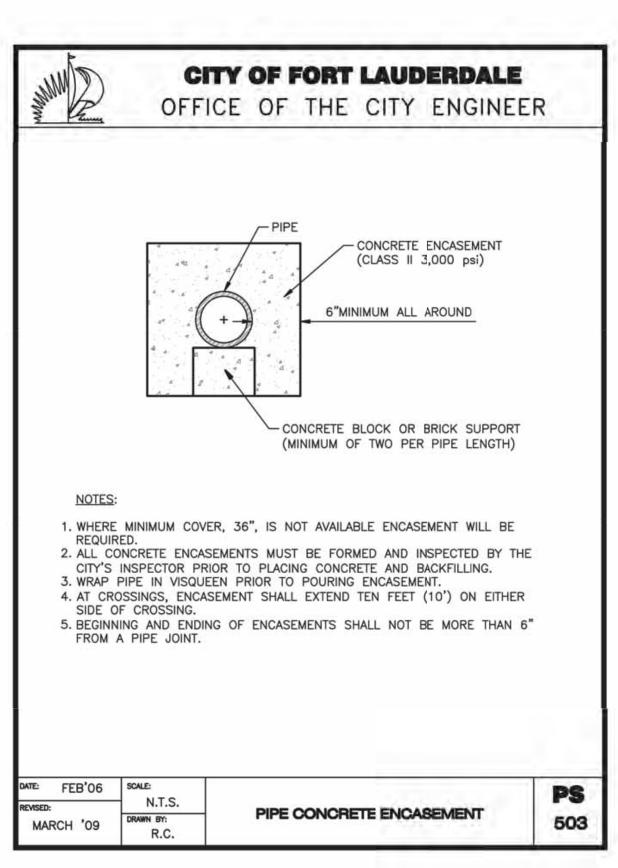


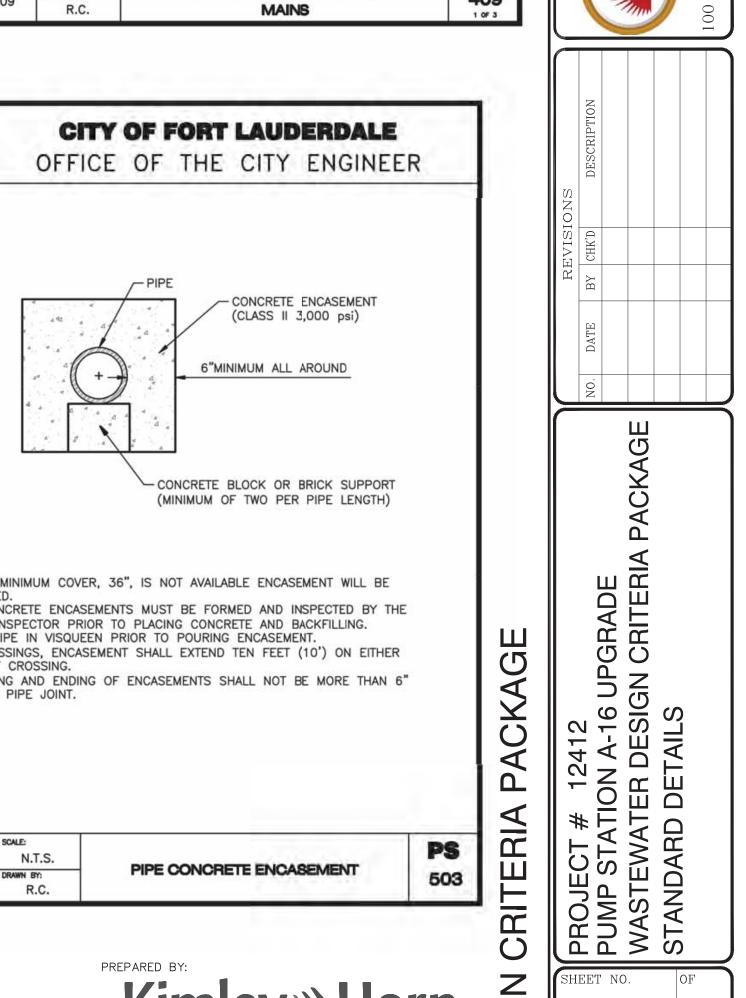














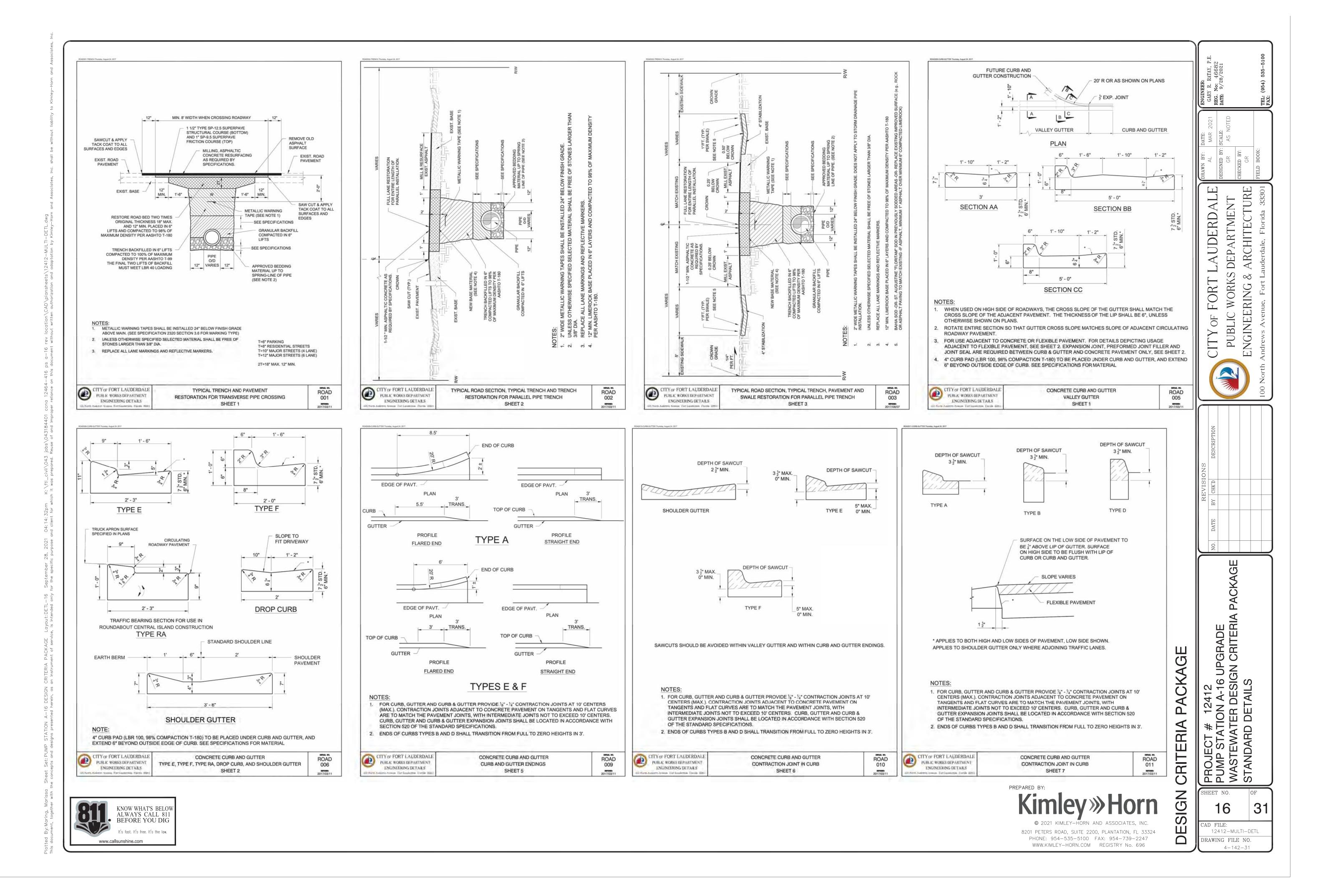
AD FILE:

31

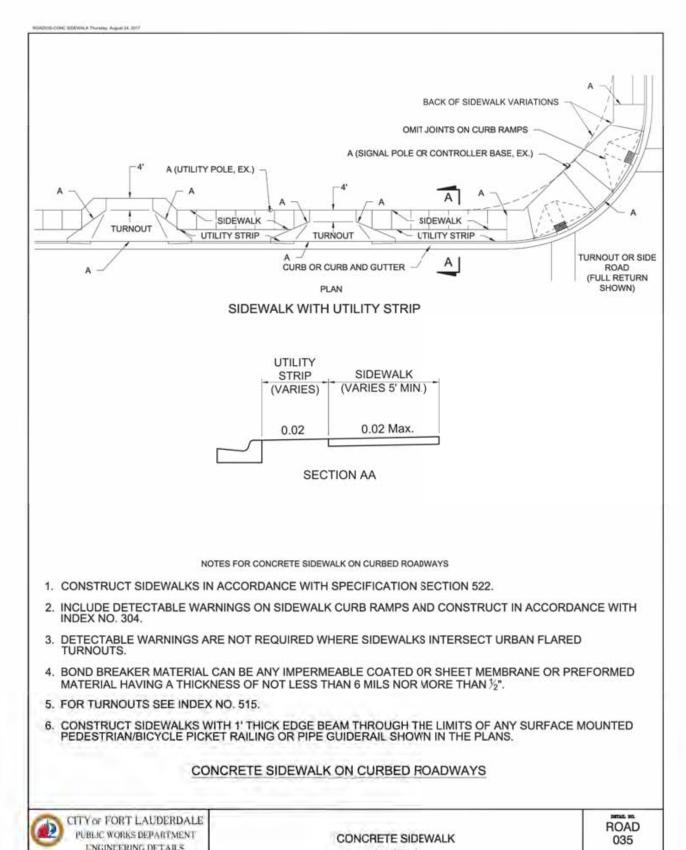
LAUDERD

DEP,

ORK

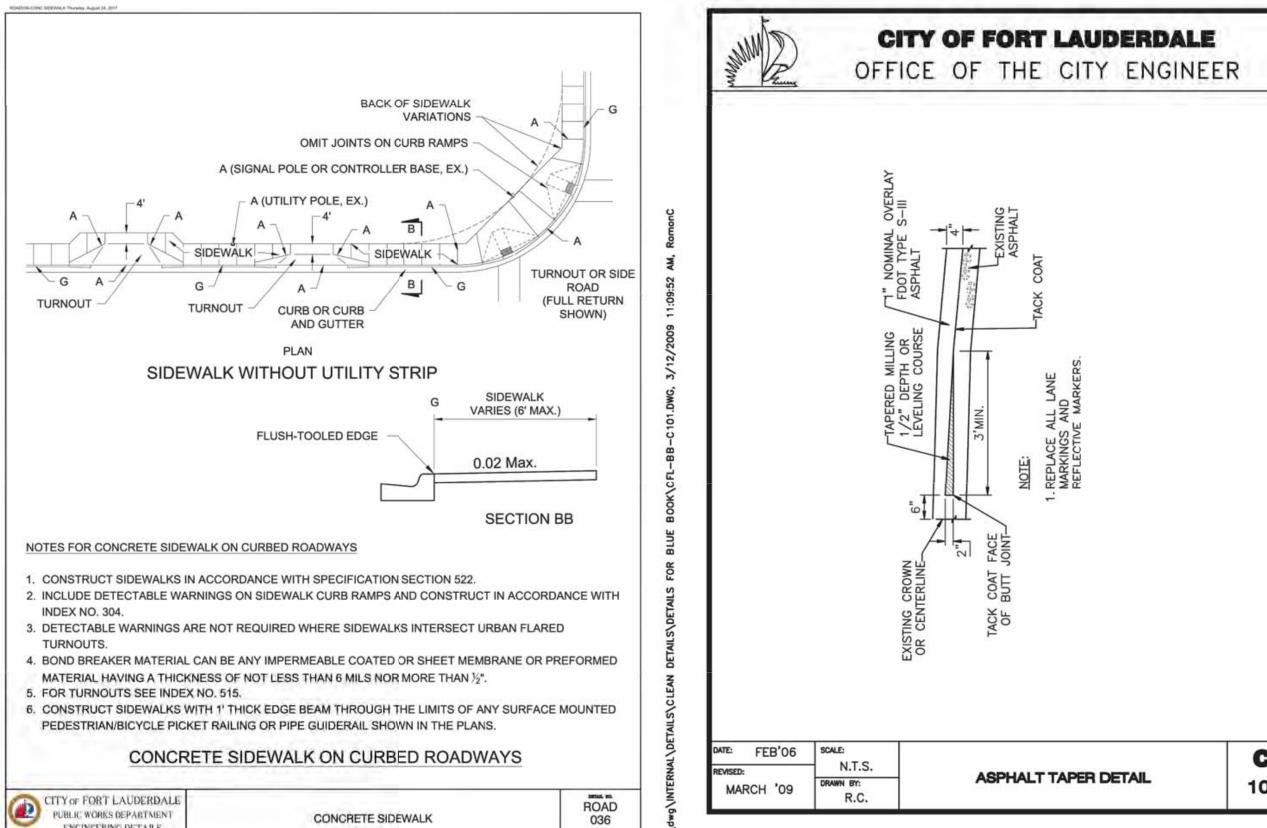


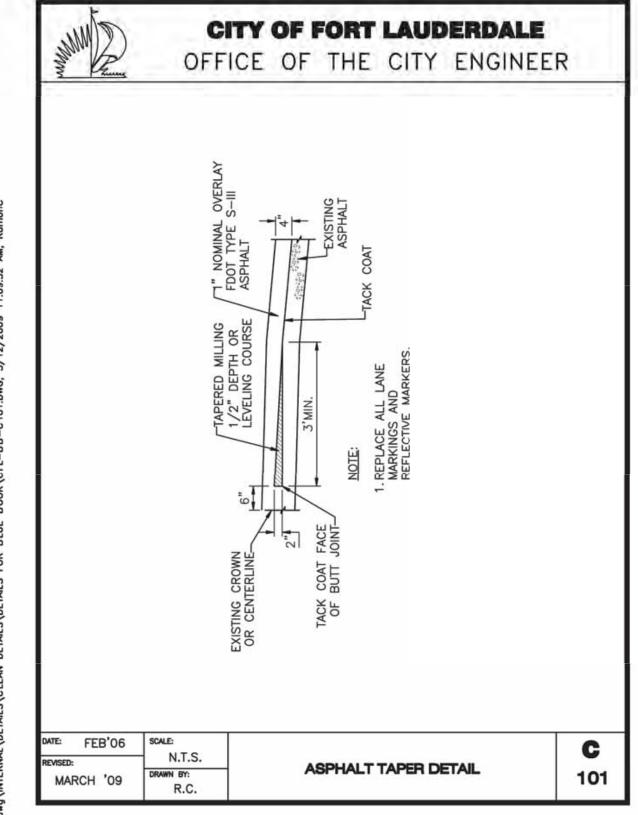


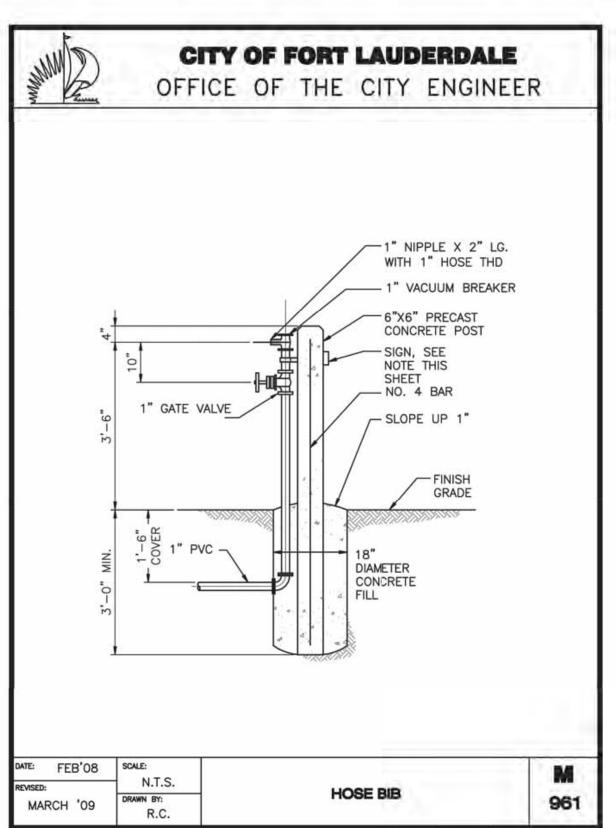


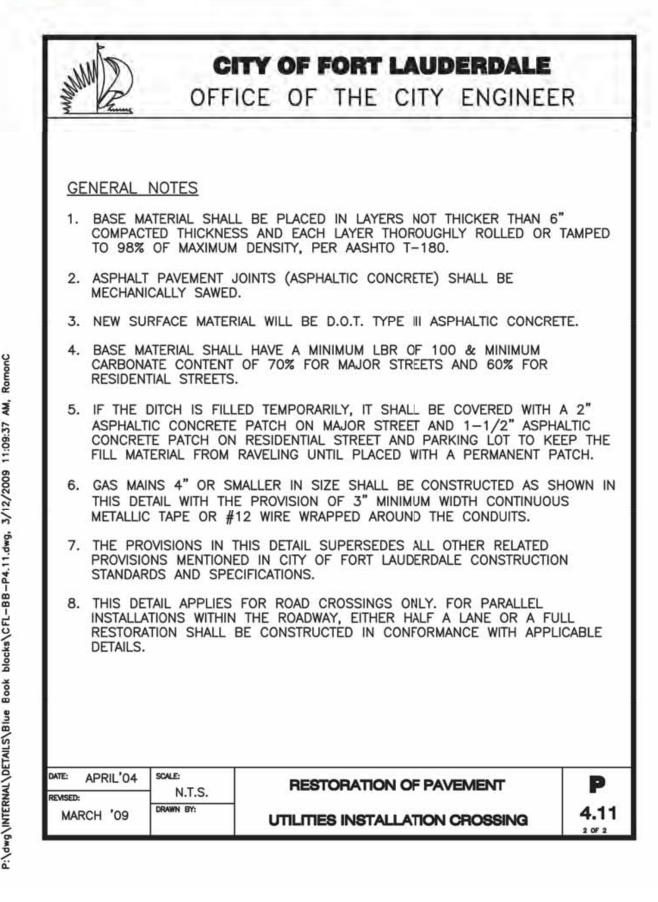
CONCRETE SIDEWALK

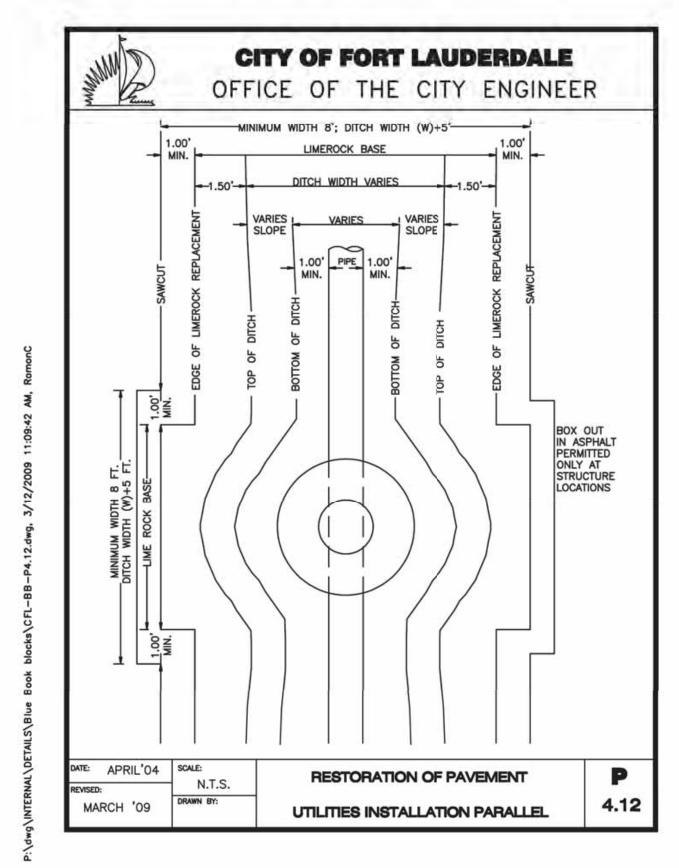
ENGINEERING DETAILS







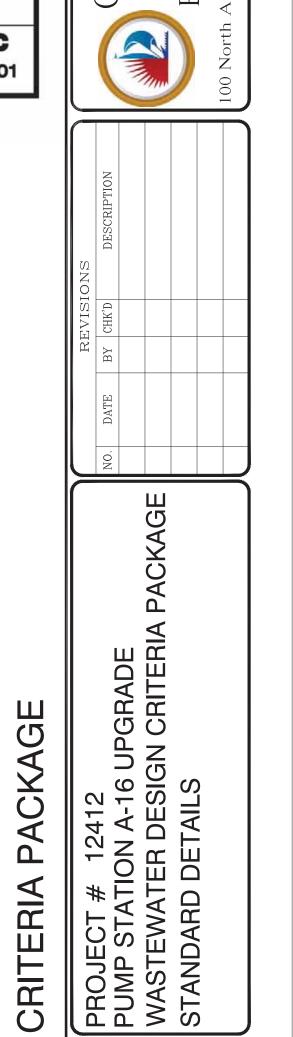




CONCRETE SIDEWALK

SHEET 2

ENGINEERING DETAILS



UDERD

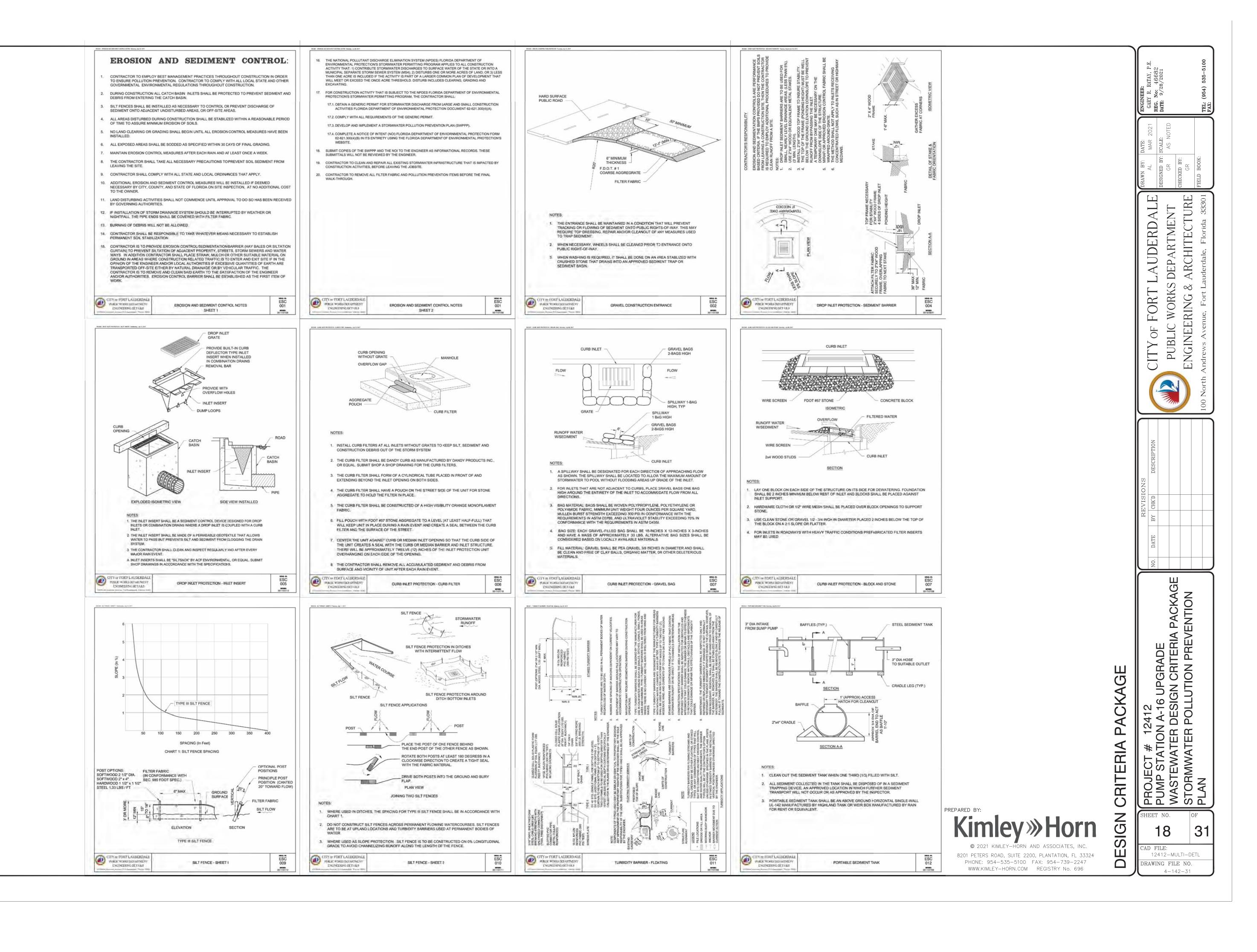
KNOW WHAT'S BELOV ALWAYS CALL 811 BEFORE YOU DIG It's fast. It's free. It's the law.

PREPARED BY: 8201 PETERS ROAD, SUITE 2200, PLANTATION, FL 33324 PHONE: 954-535-5100 FAX: 954-739-2247

WWW.KIMLEY-HORN.COM REGISTRY No. 696

31 AD FILE: 12412-MULTI-DETL RAWING FILE NO. 4-142-31

HEET NO.



MOLDED CASE CIRCUIT BREAKER

CONTROL POWER TRANSFORMER

REMOTE TERMINAL BLOCK POINT

FLOW ELEMENT

COMBINATION MOTOR STARTER, DISCONNECT SWITCH

VARIABLE FREQUENCY DRIVE

THERMOSTAT

ELECTRIC HEATER

(T)

 $\Delta \Delta$

KNOW WHAT'S BELOV

ALWAYS CALL 811

BEFORE YOU DIG

It's fast. It's free. It's the law.

PGRADE CRITERIA I YMBOLS AN

CONSULTING ENGINEERS 499 NW 70TH AVE, SUITE 201 PLANTATION, FLORIDA 33317 EL: (954) 327-7111 FAX (954) 327-7154 ERIC J. HAMMOND P.E. MECHANICAL / ELECTRICAL ENGINEER ́Р.Е. #39048 ЕВ 5315

HAMMOND & ASSOCIATES, INC.

CAM 22-0628 Exhibit 6 Page 20 of 32

 \triangleleft $\overline{\mathbf{B}}$

6 UPC SIGN C S, SYI

PROJECT # 12412
PUMP STATION A-16
WASTEWATER DESIC
ELECTRICAL NOTES,
ABBREVIATIONS

12412-19-LGND

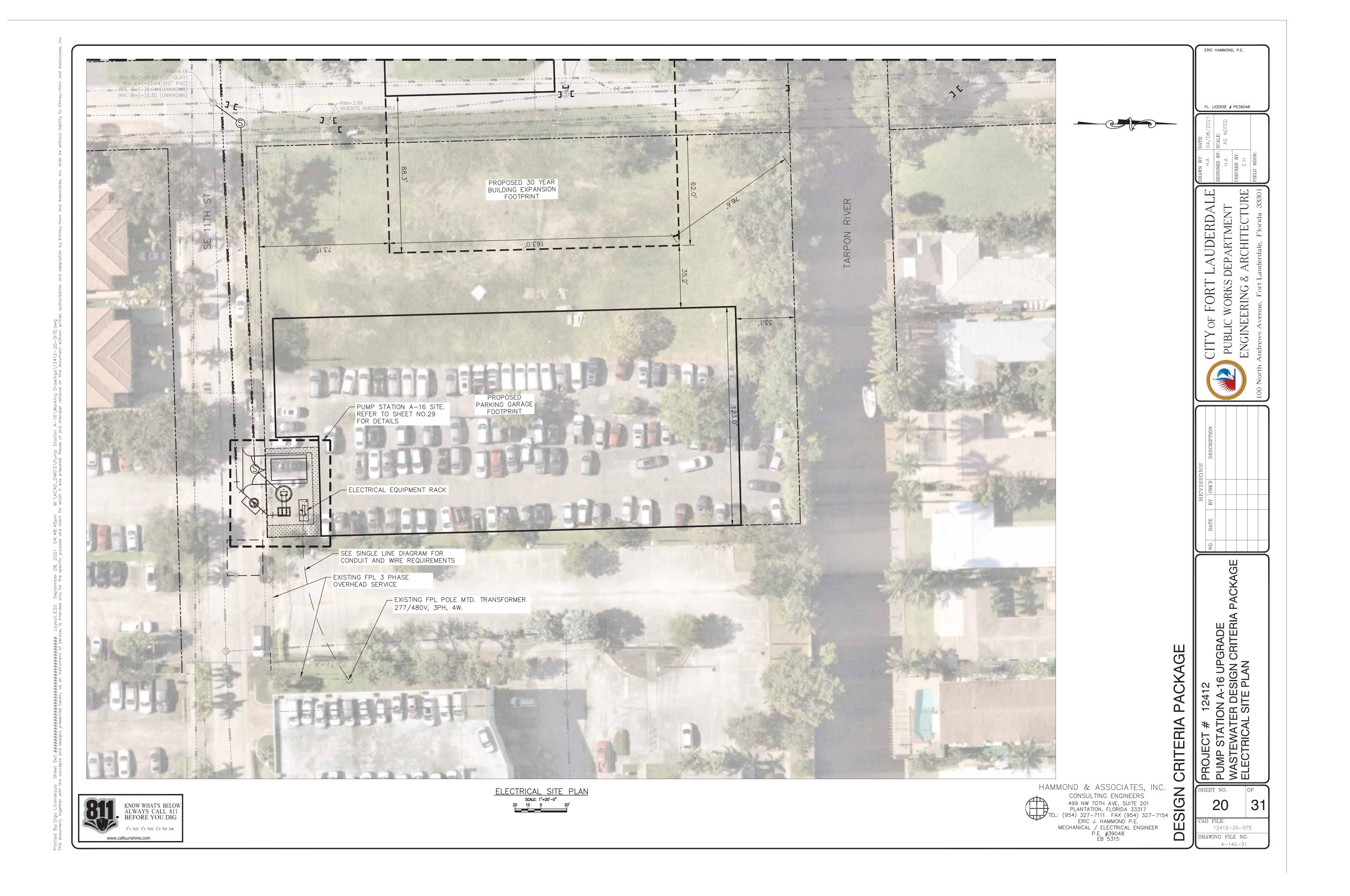
RAWING FILE NO. 4-142-31

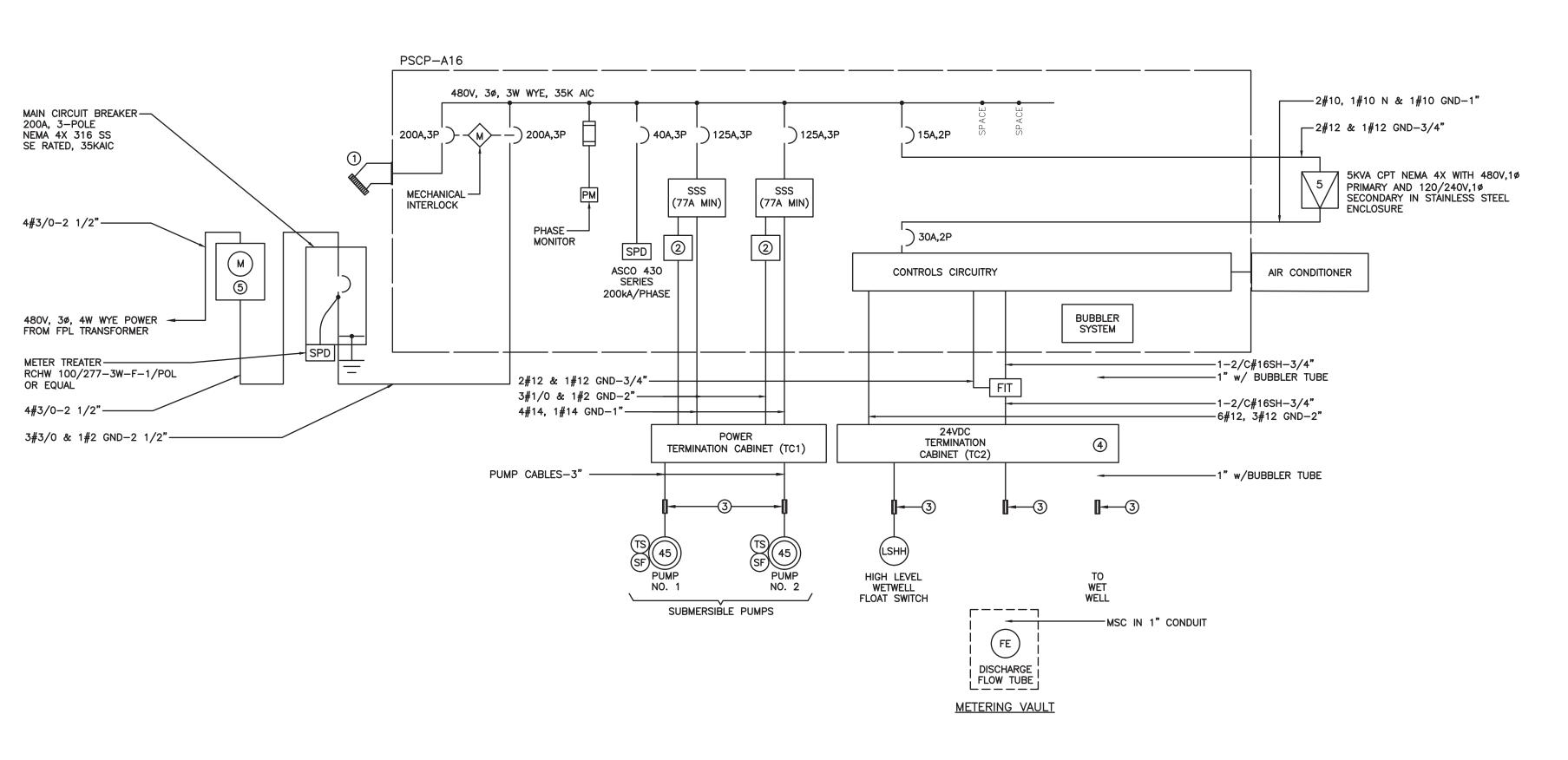
31

ERIC HAMMOND, P.E.

FL. LICENSE # PE39048

ERD





SINGLE LINE DIAGRAM

KEY NOTES:

KNOW WHAT'S BELOW ALWAYS CALL 811 BEFORE YOU DIG

It's fast. It's free. It's the law.

① GENERATOR RECEPTACLE EATON ARL2042.

(2) PUMP SUPERVISION RELAY.

3 CROUSE HINDS EYSR FITTING FILLED WITH CHICO CEMENT

4 FURNISH WITH 20 PERCENT SPARE TERMINALS.

(5) FPL METER CAN. FURNISHED AND INSTALLED BY CONTRACTOR.

6 CONFIGURE FLOW METER FOR OPERATION EXTERNALLY POWERED 4-20MA CIRCUIT.

LOAD TABULATION SERVICE VOLTAGE: 480V, 3ø WYE

<u>LOAD</u> **DESCRIPTION** 1 SUBMERSIBLE PUMPS 2 @ 45 HP EACH = 130.0 AMPS MISCELLANEOUS

5 KVA = 10.6 AMPS CONNECTED LOAD = 140.5 AMPS

② MINIMUM SERVICE ENTRANCE = 140.5 AMPS + (0.25)(65.0)= (56.75) AMPS

1) AMPACITIES PER PUMP NEC TABLE 250, USING NEXT LARGEST STANDARD SIZE. 2 SERVICE ENTRANCE MINIMUM SIZE AS PER ARTICLE 230 OF THE NATIONAL ELECTRICAL CODE.

AMPACITY

HAMMOND & ASSOCIATES, INC. CONSULTING ENGINEERS 499 NW 70TH AVE, SUITE 201
PLANTATION, FLORIDA 33317
TEL: (954) 327-7111 FAX (954) 327-7154
ERIC J. HAMMOND P.E. ERIC J. HAMMOND P.E. MECHANICAL / ELECTRICAL ENGINEER P.E. #39048 EB 5315

CAM 22-0628 Exhibit 6 Page 22 of 32

S DEPARTMENT

& ARCHITECTURE CITY OF FORT LAUDERDALE \propto ENGINEERING **PUBLIC**

ERIC HAMMOND, P.E.

FL. LICENSE # PE39048

PROJECT # 12412
PUMP STATION A-16 UPGRADE
WASTEWATER DESIGN CRITERIA P
SINGLE LINE DIAGRAM

GE

31

12412-21-RISR DRAWING FILE NO. 4-142-31

1	POS	QTY	DESCRIPTION	MANUFACTURER PART NUMBER
1 2 C SHIP SAMPROUNDS OF SHIP SHIP SHIP SHIP SHIP SHIP SHIP SHIP	1	1		
7 1 4-0-00988 LUMON AND DEP VICIDITY VICI		1		,
1	3	0		
8 1	5	1		<u> </u>
7 20 COL MACHO, 1963 PM 200000 2000 DM 1965 PM 200000 2000 DM 200000 PM 2000000 PM 200000 PM 2000000 PM 200000 PM 2000000 PM 200000 PM 200000 PM 200000 PM 200000 PM 20000	-	1		
The first state of the state	7	25		
10 6 1/36, Fast Activity CAAS BOT VIET (144) X 1 1/4N	8	13		,
1	9	5		
10		6		•
13 5 1.50		1		
1		8	FND BARRIER SINGLE CIRCUIT FUSE OR ISOLATION BLOCKS BLACK	
10 Many Res Color Resyct 1 Am William 1 Am State 1 Am William 1 Am State 1 Am St			IEC 1—CIRCUIT FEED—THROUGH BLOCK, 4MM MAX WIRE, GRAY	
1 2 2 VALUES CRICKED REMARKS CAME 50 V. 20 ME 50 V. 20 V. 20 ME 50 V. 20 V.		12	END BARRIER, GRAY	
1.5 2		1	MINIATURE CIRCUIT BREAKER, 10 AMP RATING MINIATURE CIRCUIT BREAKER 5 AMR RATING	
19 5 S. SEG AND F. HETE PROTECTOR, BUT ROW INDEXES D. 19 20 10 10 10 10 10 10 10		2		
2 1 CONTROL RELAY COTAL EN YOUTH (12 WAY) PROJ. I AMP RATING 2 1 ENCOURNE CARRS. SS 175 REAM AS ORE 2004, 3 FORM LACH, 72 X 30 X 15 2 1 ENCOURNE CARRS. SS 175 REAM AS ORE 2004, 3 FORM LACH, 72 X 30 X 15 2 1 ENCOURNE CARRS. SS 175 REAM AS ORE 2004, 3 FORM LACH, 72 X 30 X 15 2 1 ENCOURNE CARRS. SS 175 REAM AS ORE 2004, 3 FORM LACH, 72 X 30 X 15 2 1 CONTROL BOY AND LACH CARRS. SS 175 REAM AS ORE 2004, 3 FORM LACH, 72 X 30 X 15 2 1 CONTROL BOY AND LACH CARRS. SS 175 REAM AS ORE 2004, 3 FORM LACH CARRS. SS 175 REAM AS ORE 2004, 2 FORM LACH CARRS. SS 175 REAM AS ORD 2004, 2 FORM LACH CARRS. SS 175 REAM AS ORD 2004, 2 FORM LACH CARRS. SS 175 REAM AS ORD 2004, 2 FORM LACH CARRS. SS 175 REAM AS ORD 2004, 2 FORM LACH CARRS. SS		5		
22 3 DR. PRA, MOUNT PILLY SOCKY SORRY TYPE, 8 P N 100C, 58PP-65	20	1		EMMERSON SDU500A + SDUCFRELAYCARD
PRINCESSEE PARK PAPEL, WHTE		3	CONTROL RELAY OCTAL 8 PIN/COIL 120 VAC/ DPDT, 10 AMP RATING	
1		3		
Control Country (1997 1997		1		
ALEX-BRADEN CADU WRITE		6	CENTER JUMPERS	
29 3 DIN REL 35MM ALDERIUM 104 DECK NAROW SLOT WIRING DUCT, GRAY 0.97 X 2.95 N, 24 DIA PADUCT TIPE M, BETEK NAROW SLOT WIRING DUCT, GRAY 0.97 X 2.95 N, 24 DIAD PADUCT TIPE M, BETEK NAROW SLOT WIRING DUCT, GRAY 0.97 X 2.95 N, 24 DIAD PADUCT TIPE M, BETEK NAROW SLOT WIRING DUCT, GRAY 0.97 X 2.95 N, 24 DIAD PADUCT TIPE M, BETEK NAROW SLOT WIRING DUCT, GRAY 0.97 X 2.95 N, 24 DIAD PADUCT TIPE M, BETEK NAROW SLOT WIRING DUCT, GRAY 0.97 X 2.95 N, 24 DIAD PADUCT TIPE M, BETEK NAROW SLOT WIRING DUCT, GRAY 0.97 X 2.95 N, 24 DIAD PADUCT TIPE M, BETEK NAROW SLOT WIRING DUCT, GRAY 0.97 X 2.95 N, 24 DIAD PADUCT TIPE M, BETEK NAROW SLOT WIRING DUCT, GRAY 0.97 X 2.95 N, 24 DIAD PADUCT TIPE M, BETTER NAROW SLOT WIRING DUCT, GRAY 0.97 X 2.95 N, 24 DIAD PADUCT TIPE M, BETTER NAROW SLOT WIRING DUCT, GRAY 0.97 X 2.95 N, 24 DIAD PADUCT TIPE M, BETTER NAROW SLOT WIRING DUCT, GRAY 0.97 N, 24 DIAD PADUCT TIPE M, BETTER NAROW SLOT WIRING DUCT, GRAY 0.97 N, 24 DIAD PADUCT TIPE M, BETTER NAROW SLOT WIRING DUCT, GRAY 0.97 N, 24 DIAD PADUCT TIPE M, BETTER NAROW SLOT WIRING DUCT, GRAY 0.97 N, 24 DIAD PADUCT TIPE M, BETTER NAROW SLOT WIRING DUCT, GRAY 0.97 N, 24 DIAD PADUCT TIPE M, BETTER NAROW SLOT WIRING DUCT, GRAY 0.97 N, 24 DIAD PADUCT TIPE M, BETTER NAROW SLOT WIRING DUCT, GRAY 0.97 N, 24 DIAD PADUCT TIPE M, BETTER NAROW SLOT WIRING DUCT, GRAY 0.97 N, 24 DIAD PADUCT TIPE M, BETTER NAROW SLOT WIRING DUCT, GRAY 0.97 N, 24 DIAD PADUCT TIPE M, BETTER NAROW SLOT WIRING DUCT, GRAY 0.97 N, 24 DIAD PADUCT TIPE M, BETTER NAROW SLOT WIRING DUCT, GRAY 0.97 N, 24 DIAD PADUCT TIPE M, BETTER NAROW SLOT WIRING DUCT, GRAY 0.97 N, 24 DIAD PADUCT TIPE M, BETTER NAROW SLOT WIRING DUCT, GRAY 0.97 N, 24 DIAD PADUCT TIPE M, BETTER NAROW SLOT WIRING DUCT, GRAY 0.97 N, 24 DIAD PADUCT TIPE M, BETTER NAROW SLOT WIRING DUCT, GRAY 0.97 N, 24 DIAD PADUCT TIPE M, BETTER NAROW SLOT WIRING DUCT, GRAY 0.97 N, PADUCT TIPE M, BETTER NAROW SLOT WIRING DUCT, GRAY 0.97 N, PADUCT TIPE M, BETTER NAROW SLOT WIRING DUCT		1	SNAP-IN MARKER CARD, WHITE	ALLEN-BRADLEY, 1492-M6X12
AMADICT TYPE NO THE FIRE NAMENOW SLOT WHINTS DEDT, GAMY 0.37 X 2.25 IN, 7M		1		
Social Content of the Content of t		4		
31 0 RECTARQUEAT LOUVERD VEHT, STANLESS STEEL S W X 4-5/9 H WEST MARINE, 2/2693		3	· ·	
1		0		
33 2 500 0 MM RESISTORS 1/2 WIT 1 34 2 500 0 MM RESISTORS 1/2 WIT 1 35 2 CAT SET ETERRITATION CARD 2 THE STATE OF THE STAT		1	CONTROL CABINET OUTLET FOR MOUNTING ON DIN RAILS	·
The content of the		2		
PAROUT, FSREED-BSLE PAROUT, FSREED-BSLE		2		
Prince P		0		PANDUIT FSD80_8DSL6
38 1				
AMBER PILOT LIGHT, LED 120 VAC	38	1		MAPLESYSTEMS HMI5070B
AURIC PRODUCT LED 120 VAC ALLEN-BRADILEY, BOOTD—POIS 42 2 UWZ SERIES ACH HOUR METERS, FLUSH MOUNT, 120 VAC INTERNATIC UWZ252 U 43 0 APC SMART—UPS ON—LINE, 1050 WARTS/1500VA, INPUT 120 V OUTPUT 120 V APC, SURTATS/000VA 44 1 18" LED DUBERCABINET, WHITE + 48" POWER CORPD HALD HU10180930P + HU105P 45 1 GET DUAL RECEPTRICE, 20 AMP		2		
42 2		2	AMBER PILOT LIGHT LED 120 VAC	ALLEN-BRADLEY, 800FD-P4N5
43 0 APC SMART-UPS ON-LINE, 1050 WAITS/1500WA, INPUT 120V / OUTPUT 120V		2		
HUBBLE GWRETZOW OR SMILAR		0	APC SMART-UPS ON-LINE, 1050 WATTS/1500VA, INPUT 120V / OUTPUT 120V	
46 0	44	1		
48 2 30M SELECTOR SWITCH 3 POSITION, TYPE K, BLACK KNOB 49 0 30MM CONTACT BLOCK 1N/O IN/O 50 2 SELECTOR PADICOK 50 2 SELECTOR PADICOK 51 0 PANEL LIGHT SWITCH 52 CLIN MUSHROOM HEAD BUTTON, TWO POSITIONS, NON-ILLUMINATED 53 1 PRESSURE CAUGE, 4* DIAL, 1/4* PROCESS CONNECTION, RANGE 0−200*, PANEL MOUNT WITH FRONT FLANGE 54 1 DIN RAIL MOUNTED CABINET THERMOSTAT, 32-140 F, NO CONTACT 55 6 MINIATURE CIRCUIT BREAKER (2004), STANDARD 15A, 1 PPOLE, 120/240 VAC, HACR RATED 56 2 MINIATURE CIRCUIT BREAKER (2004), STANDARD 15A, 1 PPOLE, 120/240 VAC, HACR RATED 57 2 MINI-CAS 120V RELAYS FOR PUMP THERMAL/SEAL FAIL PROTECTION 58 1 PRASS MONITORING RELAY 3 PRASS BLOSS MONITORING MINIATURE CIRCUIT SREAKER (2004), STANDARD 15A, 1 PPOLE, 120/240 VAC, HACR RATED 58 1 MINIATURE CIRCUIT SREAKER (2004), STANDARD 15A, 1 PPOLE, 120/240 VAC, HACR RATED 59 2 MINIATURE CIRCUIT SREAKER (2004), STANDARD 15A, 1 PPOLE, 120/240 VAC, HACR RATED 50 2 MINIATURE CIRCUIT SREAKER (2004), STANDARD 15A, 1 PPOLE, 120/240 VAC, HACR RATED 50 2 MINIATURE CIRCUIT SREAKER (2004), STANDARD 15A, 1 PPOLE, 120/240 VAC, HACR RATED 50 2 MINIATURE CIRCUIT SREAKER (2004), STANDARD 15A, 1 PPOLE, 120/240 VAC, HACR RATED 50 2 MINIATURE CIRCUIT SREAKER (2004), STANDARD 15A, 1 PPOLE, 120/240 VAC, HACR RATED 50 2 MINIATURE CIRCUIT SREAKER (2004), STANDARD 15A, 1 PPOLE, 120/240 VAC, HACR RATED 50 2 MINIATURE CIRCUIT SREAKER (2004), STANDARD 15A, 1 PPOLE, 120/240 VAC, HACR RATED 50 2 MINIATURE CIRCUIT SREAKER (2004), STANDARD 15A, 1 PPOLE, 120/240 VAC, HACR RATED 50 2 MINIATURE CIRCUIT SREAKER (2004), STANDARD 15A, 1 PPOLE, 120/240 VAC, HACR RATED 50 2 MINIATURE CIRCUIT SREAKER (2004), STANDARD 15A, 1 PPOLE, 120/240 VAC, HACR RATED 50 2 MINIATURE CIRCUIT SREAKER (2004), STANDARD 15A, 1 PPOLE, 2 LINE FRANKAL-MARNEHIC CIRCUIT SREAKERS, UNIT MOUNT 50 2 MACRO MATERIAL MAC		1	, and the second se	
48 2 30MM SELECTOR SWITCH 3 POSITION, TYPE K, BLACK KNOB		0		,
49 0 30MM CONTACT BLOCK IN/O IN/O SQUARE D, 9001KAT 50 2 SELECTOR FADLOCK 51 0 PANEL LIGHT SWITCH 52 1 4-UNIM MUSHROOM HEAD BUTION, IWO POSITIONS, NON-ILLUMINATED 52 1 4-UNIM MUSHROOM HEAD BUTION, IWO POSITIONS, NON-ILLUMINATED 53 1 PRESSURE GAUGE, 4" DIAL, 1/4" PROCESS CONNECTION, RANGE 0-200", PANEL MOUNT WITH FRONT FLANGE 54 1 DIRAM MUSHROOM CABINET THERMOSTAT, 32-140 F, NO CONTACT 55 6 MINIATURE CIRCUIT BREAKER (QUU) STANDARD, 10A, 1 POLE, 120/240 VAC, HACR RATED 56 2 MINIATURE CIRCUIT BREAKER (QUU) STANDARD 15A, 1 POLE, 120/240 VAC, HACR RATED 57 2 MINI-CAS 120V RELAYS FOR PUMP THERMALYSEAL FAIL PROTECTION 58 1 MINIATURE CIRCUIT BREAKER (QUU) STANDARD 15A, 1 POLE, 120/240 VAC, HACR RATED 59 2 MINI-CAS 120V RELAYS FOR PUMP THERMALYSEAL FAIL PROTECTION 59 1 MINI-CAS 120V RELAYS FOR PUMP THERMALYSEAL FAIL PROTECTION 59 2 MINI-CAS 120V RELAYS FOR PUMP THERMALYSEAL FAIL PROTECTION PROTECTIVE MOUBL EMS39 AND FAN COOLING KII 59 2 MINI-CAS 120V RELAYS FOR PUMP THERMALYSEAL FAIL PROTECTION MUBL EMS39 AND FAN COOLING KII 59 2 MINI-CAS 120V PROVERPACT H-FRAME WOLDED CASE THERMAL—MAGNETIC CIRCUIT BREAKERS, UNIT MOUNT 50 1 SQUARE D 50 2 FORWARD POWERPACT H-FRAME WOLDED CASE THERMAL—MAGNETIC CIRCUIT BREAKERS, UNIT MOUNT 50 2 POWER SUPPLY, OUTPUT 2-28V DC, TOA INPUT VOLTAGE 100/240V AC 50 3 MINI-CAS 120V PROVERPACT H-FRAME WOLDED CASE THERMAL—MAGNETIC CIRCUIT BREAKERS, UNIT MOUNT 50 2 POWER SUPPLY, OUTPUT 2-28V DC, TOA INPUT VOLTAGE 100/240V AC 50 3 MINI-CAS 120V PROVERPACT H-FRAME WOLDED CASE THERMAL—MAGNETIC CIRCUIT BREAKERS, UNIT MOUNT 50 2 POWER SUPPLY, OUTPUT 2-28V DC, TOA INPUT VOLTAGE 100/240V AC 50 3 MINI-CAS 120V PROVERPACT H-FRAME WOLDED CASE THERMAL—MAGNETIC CIRCUIT BREAKERS, UNIT MOUNT 50 3 MARC D 50 4 MINI-CAS 120V PROVERPACT M-FRAME WOLDED CASE THERMAL—MAGNETIC CIRCUIT BREAKERS, UNIT MOUNT 50 4 MARCOMARIC MAGNETIC MAGNETIC CIRCUIT BREAKERS, UNIT MOUNT 50 5 MARC D 50 7 MARCOMARIC MAGNETIC MAGNETIC CIRCUIT BREAKERS, UNIT MOUNT 50 7 MARCOMARIC MAGNETIC MAGNETIC CIRCUIT BREAKERS, UNIT MOUNT 50 7 MARCOMARIC MAG		<u> </u>		
50 2 SELECTOR PADLOCK SQUARE D, 9001K7 51 0 PASKL LIGHT SWITCH SQUARE D, 9001KS 11BH5 52 1 40MM MUSHROOM HEAD BUTTON, IWO POSITIONS, NON-ILLUMINATED CUTLER-HAMMER, HT80BR 53 1 PRESSURE GAUGE, 4" DIAL, 1/4" PROCESS CONNECTION, RANCE 0-200", PANEL MOUNT WITH FRONT FLANGE MCDITER-HAMMER, HT80BR 54 1 DIN RAIL MOUNTED CABINET THERMOSTAT, 32-140 F, NO CONTACT PEANNENBERG FLZ 530 PN#17121000010 55 6 MINIATURE CIRCUIT BREAKER (00U), STANDARD, 10A, 1 POLE, 120/240 VAC, HACR RATED SQUARE D, 00U115 56 2 MINIATURE CIRCUIT BREAKER (00U), STANDARD 15A, 1 POLE, 120/240 VAC, HACR RATED SQUARE D, 00U115 57 2 MINI-CAS 120V RELAYS FOR PUMP THERMAL/SEAL FAIL PROTECTION FLYCT MINI-CAS 120, 14-407129 58 1 PHASE MONITORING RELAY 3 PHASE 180-500 VOLT MARCOMATIC PMPU 59 2 480V INREE PHASES S=911+ EATON SOFTSTARTER WITH DIM. INCLUDING PROTECTIVE MODEL EMS39 AND FAN COULING KII EATON BASIN SERIES 60 2 CURRENT TRANSPORMERS 10A 10 50A, 4-2VOL EATON BASIN SERIES 61 2 3P 600VAC POWER DISTRIBUTION BOLD CASE INFERMAL—MACNETIC CIRCUIT BREAKERS, UNIT		0		
\$2		2		SQUARE D, 9001K7
53 1 PRESSURE GAUGE, 4" DIAL, 1/4" PROCESS CONNECTION, RANGE 0-200", PANEL MOUNT WITH FRONT FLANGE MCDANIEL CONTROLS		0		
54 1 DIN RAIL MOUNTED CABINET THERMOSTAT, 32-140 F, NO CONTACT PFANNENBERG FLZ 530 PN#17121000010		1		·
55 6 MINIATURE CIRCUIT BREAKER (QOU) STANDARD, 10A, 1 POLE, 120/240 VAC, HACR RATED 56 2 MINIATURE CIRCUIT BREAKER (QOU), STANDARD, 15A, 1 POLE, 120/240 VAC, HACR RATED 57 2 MINIATURE CIRCUIT BREAKER (QOU), STANDARD, 15A, 1 POLE, 120/240 VAC, HACR RATED 58 1 PHASE MONITORING RELAY 3 PHASE 180–500 VOLT 58 1 PHASE MONITORING RELAY 3 PHASE 180–500 VOLT 59 2 480V THREE PHASES S—811+ EATON SOFISTARIER WITH DIM. INCLUDING PROTECTIVE MODEL EMS39 AND FAN COOLING KIT 60 2 CURRENT TRANSFORMERS 10A TO 50A, 4–20MA, 24VDC 61 2 3P 600VAC POWERPACT H—FRAME MOLDED CASE THERMAL—MAGNETIC CIRCUIT BREAKERS, UNIT MOUNT 62 3P 600VAC POWERPACT H—FRAME MOLDED CASE THERMAL—MAGNETIC CIRCUIT BREAKERS, UNIT MOUNT 63 2 POWER SUPPLY, OUTPUT 24–28V DC, 10A INPUT VOLTAGE 100/240V AC 64 1 600VAC POWER DISTRIBUTION BLOCKS, SURFACE MOUNT, 3 POLES, 2 LINE TERMINALS, 6 LOAD TERMINALS 65 1 600VAC POWER DISTRIBUTION BLOCKS, SURFACE MOUNT, 1 POLE, 2 LINE TERMINALS, 6 LOAD TERMINALS 66 1 3—POLE FUSE HOLDER, AC: 600VAC, FINGER—SAFE DESIGN, DIN RAIL MOUNTING 67 3 1A FAST ACTING MIDGET FUSE WITH BUBBLER TYPE LIQUID LEVEL CONTROL SYSTEMS W/ MOUNTING BRACKET RANGE OF 0–15 FEET OF WATER COLUMN 68 1 AIR COMPRESSOR FOR FUSE WITH BUBBLER TYPE LIQUID LEVEL CONTROL SYSTEMS W/ MOUNTING BRACKET RANGE OF 0–15 FEET OF WATER COLUMN 69 1 GENERAL PURPOSE PRESSURE TRANSMITTER, 4–20MA 2–WIRE SIGNAL OUTPUT, SS 316L WETTED PARTS, 0–15 PSI RANGE, +/-0.5% ACCURACY, 1/4" MALE NPT CONNECTION 60 1 ENCLOSURE INNER DOOR ALARM (BRUSHED) 61 DEAD FRONT		1		
56 2 MINIATURE CIRCUIT BREAKER (QOU), STANDARD 15A, 1 POLE, 120/240 VAC, HACR RATED 57 2 MINIATURE CIRCUIT BREAKER (QOU), STANDARD 15A, 1 POLE, 120/240 VAC, HACR RATED 58 1 PHASE MONITORING RELAY 3 PHASE 180-500 VOLT 59 2 480V IHREE PHASES S-811+ EATON SOFISIARIER WITH DIM. INCLUDING PROTECTIVE MODEL EMS39 AND FAN COOLING KII 60 2 CURRENT TRANSFORMERS 10A TO 50A, 4-20MA, 24VDC 61 2 39 600VAC POWERPACT H-FRAME MOLDED CASE THERMAL-MAGNETIC CIRCUIT BREAKERS, UNIT MOUNT 62 2 39 600VAC POWERPACT H-FRAME MOLDED CASE THERMAL-MAGNETIC CIRCUIT BREAKERS, UNIT MOUNT 63 2 POWER SUPPLY, OUTPUT 24-28V DC, 10A INPUT VOLTAGE 100/240V AC 64 1 600VAC POWER DISTRIBUTION BLOCKS, SURFACE MOUNT, 3 POLES, 2 LINE TERMINALS, 6 LOAD TERMINALS 65 1 600VAC POWER DISTRIBUTION BLOCKS, SURFACE MOUNT, 3 POLES, 2 LINE TERMINALS, 6 LOAD TERMINALS 66 1 3-POLE FUSE HOLDER, AC: 600VAC, FINGER-SAFE DESIGN, DIN RAIL MOUNTING 67 3 1A FAST ACTING MIDGET FUSE WITH BUBBLER TYPE LIQUID LEVEL CONTROL SYSTEMS W/ MOUNTING BRACKET RANGE OF 0-15 FEET OF WATER COLUMN 69 1 GENERAL PURPOSE PRESSURE TRANSMITTER, 4-20MA 2-WIRE SIGNAL OUTPUT, SS 316L WEITED PARTS, 0-15 PSI RANGE, +/-0.5% ACCURACY, 1/4" MALE NPT CONNECTION 50 DEAD FRONT		6	MINIATURE CIRCUIT BREAKER (QOU) STANDARD, 10A, 1 POLE, 120/240 VAC, HACR RATED	
57 2 MINI-CAS 120V RELAYS FOR PUMP THERMAL/SEAL FAIL PROTECTION 58 1 PHASE MONITORING RELAY 3 PHASE 180-500 VOLT 59 2 480V IHREE PHASES S-811+ EATON SOFISTARIER WITH DIM. INCLUDING PROTECTIVE MODEL EMS39 AND FAN COOLING KII 59 2 480V IHREE PHASES S-811+ EATON SOFISTARIER WITH DIM. INCLUDING PROTECTIVE MODEL EMS39 AND FAN COOLING KII 60 2 CURRENT TRANSFORMERS 10A TO 50A, 4-20MA, 24VDC 61 2 3P 600VAC POWERPACT H-FRAME MOLDED CASE THERMAL-MAGNETIC CIRCUIT BREAKERS, UNIT MOUNT 62 2 3P 600VAC POWERPACT H-FRAME MOLDED CASE THERMAL-MAGNETIC CIRCUIT BREAKERS, UNIT MOUNT 63 2 POWER SUPPLY, OUTPUT 24-28V DC, 10A INPUT VOLTAGE 100/240V AC 64 1 600VAC POWER DISTRIBUTION BLOCKS, SURFACE MOUNT, 3 POLES, 2 LINE TERMINALS, 6 LOAD TERMINALS 65 1 600VAC POWER DISTRIBUTION BLOCKS, SURFACE MOUNT, 1 POLE, 2 LINE TERMINALS, 6 LOAD TERMINALS 66 1 3-POLE FUSE HOLDER, AC: 600VAC, FINGER-SAFE DESIGN, DIN RAIL MOUNTING 67 3 1A FAST ACTING MIDDET FUSE WITH 600VAC VOLTAGE RATING FOR PROTECTION OF CONTROL AND ELECTRONIC CIRCUITS 68 1 AIR COMPRESSOR FOR FUSE WITH BUBBLER TYPE LIQUID LEVEL CONTROL SYSTEMS W/ MOUNTING BRACKET RANGE OF 0-15 FEET OF WATER COLUMN 69 1 GENERAL PURPOSE PRESSURE TRANSMITTER, 4-20MA 2-WIRE SIGNAL OUTPUT, SS 316L WEITTED PARTS, 0-15 PSI RANGE, +/-0.5% ACCURACY, 1/4" MALE NPT CONNECTION WIKA 50426397 70 2 24VDC STANDARD DPD SCREW CONNECTION TERMINAL BLOCK RELAYS 61 EATON SALUDATED DPD SCREW CONNECTION TERMINAL BLOCK RELAYS 62 EATON SALUDATED DPD SCREW CONNECTION TERMINAL BLOCK RELAYS 63 EATON SALUDATED DPD SCREW CONNECTION TERMINAL BLOCK RELAYS 64 EATON SALUDATED DPD SCREW CONNECTION TERMINAL BLOCK RELAYS 65 EATON SALUDATED DPD SCREW CONNECTION TERMINAL BLOCK RELAYS 65 EATON SALUDATED DPD SCREW CONNECTION TERMINAL BLOCK RELAYS 66 EATON SALUDATED DPD SCREW CONNECTION TERMINAL BLOCK RELAYS 67 EATON SALUDATED DPD SCREW CONNECTION TERMINAL BLOCK RELAYS 67 EATON SALUDATED DPD SCREW CONNECTION TERMINAL BLOCK RELAYS 68 EATON SALUDATED DPD SCREW CONNECTION TERMINAL BLOCK RELAYS 68 EATON SALUDATED DPD SCREW CONNECTIO		2	MINIATURE CIRCUIT BREAKER (QOU), STANDARD 15A, 1 POLE, 120/240 VAC, HACR RATED	
59 2 480V IHREE PHASES S-811+ EATON SOFISIARIER WITH DIM. INCLUDING PROTECTIVE MODEL EMS39 AND FAN COOLING KIT 60 2 CURRENT TRANSFORMERS 10A TO 50A, 4-20MA, 24VDC 61 2 3P 600VAC POWERPACT H-FRAME MOLDED CASE THERMAL—MAGNETIC CIRCUIT BREAKERS, UNIT MOUNT 62 2 3P 600VAC POWERPACT H-FRAME MOLDED CASE THERMAL—MAGNETIC CIRCUIT BREAKERS, UNIT MOUNT 63 2 POWER SUPPLY, OUTPUT 24-28V DC, 10A INPUT VOLTAGE 100/240V AC 64 1 600VAC POWER DISTRIBUTION BLOCKS, SURFACE MOUNT, 3 POLES, 2 LINE TERMINALS, 6 LOAD TERMINALS 65 1 600VAC POWER DISTRIBUTION BLOCKS, SURFACE MOUNT, 1 POLE, 2 LINE TERMINALS, 6 LOAD TERMINALS 66 1 3-POLE FUSE HOLDER, AC: 600VAC, FINGER-SAFE DESIGN, DIN RAIL MOUNTING 67 3 1A FAST ACTING MIDGET FUSE WITH 600VAC VOLTAGE RATING FOR PROTECTION OF CONTROL AND ELECTRONIC CIRCUITS 68 1 AIR COMPRESSOR FOR FUSE WITH BUBBLER TYPE LIQUID LEVEL CONTROL SYSTEMS W/ MOUNTING BRACKET RANGE OF 0-15 FEET OF WATER COLUMN 69 1 GENERAL PURPOSE PRESSURE TRANSMITTER, 4-20MA 2-WIRE SIGNAL OUTPUT, SS 316L WETTED PARTS, 0-15 PSI RANGE, +/-0.5% ACCURACY, 1/4" MALE NPT CONNECTION WIKA 50426397 70 2 24VDC STANDARD DPDI SCREW CONNECTION TERMINAL BLOCK RELAYS EATON XRUZDO24 + XRR2D24 71 1 ENCLOSURE INNER DOOR ALARM (BRUSHED)		2	MINI-CAS 120V RELAYS FOR PUMP THERMAL/SEAL FAIL PROTECTION	
CURRENT TRANSFORMERS 10A TO 50A, 4-20MA, 24VDC 61 2 3P 600VAC POWERPACT H-FRAME MOLDED CASE THERMAL—MAGNETIC CIRCUIT BREAKERS, UNIT MOUNT 62 2 3P 600VAC POWERPACT H-FRAME MOLDED CASE THERMAL—MAGNETIC CIRCUIT BREAKERS, UNIT MOUNT 63 2 POWER SUPPLY, OUTPUT 24-28V DC, 10A INPUT VOLTAGE 100/240V AC 64 1 600VAC POWER DISTRIBUTION BLOCKS, SURFACE MOUNT, 3 POLES, 2 LINE TERMINALS, 6 LOAD TERMINALS 65 1 600VAC POWER DISTRIBUTION BLOCKS, SURFACE MOUNT, 1 POLE, 2 LINE TERMINALS, 6 LOAD TERMINALS 66 1 3-POLE FUSE HOLDER, AC: 600VAC, FINGER-SAFE DESIGN, DIN RAIL MOUNTING 67 3 1A FAST ACTING MIDGET FUSE WITH 600VAC VOLTAGE RATING FOR PROTECTION OF CONTROL AND ELECTRONIC CIRCUITS 68 1 AIR COMPRESSOR FOR FUSE WITH BUBBLER TYPE LIQUID LEVEL CONTROL SYSTEMS W/ MOUNTING BRACKET RANGE OF 0-15 FEET OF WATER COLUMN 69 1 GENERAL PURPOSE PRESSURE TRANSMITTER, 4-20MA 2-WIRE SIGNAL OUTPUT, SS 316L WETTED PARTS, 0-15 PSI RANGE, +/-0.5% ACCURACY, 1/4" MALE NPT CONNECTION WIKA 50426397 70 2 24YDC STANDARD DPDT SCREW CONNECTION TERMINAL BLOCK RELAYS 71 1 ENCLOSURE INNER DOOR ALARM (BRUSHED) EATON EACTOR EACH OF ACTOR ACCURACY, 1/4" MALE NPT CONNECTION EATON EACTOR EACH OF ACCURACY ACCURACY, 1/4" MALE NPT CONNECTION WIKA 50426397 EATON XRU2D24 + XRR2D24 DEAD FRONT		1		
61 2 3P 600VAC POWERPACT H-FRAME MOLDED CASE THERMAL-MAGNETIC CIRCUIT BREAKERS, UNIT MOUNT 62 2 3P 600VAC POWERPACT H-FRAME MOLDED CASE THERMAL-MAGNETIC CIRCUIT BREAKERS, UNIT MOUNT 63 2 POWER SUPPLY, OUTPUT 24-28V DC, 10A INPUT VOLTAGE 100/240V AC 64 1 600VAC POWER DISTRIBUTION BLOCKS, SURFACE MOUNT, 3 POLES, 2 LINE TERMINALS, 6 LOAD TERMINALS 65 1 600VAC POWER DISTRIBUTION BLOCKS, SURFACE MOUNT, 1 POLE, 2 LINE TERMINALS, 6 LOAD TERMINALS 66 1 3-POLE FUSE HOLDER, AC: 600VAC, FINGER-SAFE DESIGN, DIN RAIL MOUNTING 67 3 1A FAST ACTING MIDGET FUSE WITH 600VAC VOLTAGE RATING FOR PROTECTION OF CONTROL AND ELECTRONIC CIRCUITS 68 1 AIR COMPRESSOR FOR FUSE WITH BUBBLER TYPE LIQUID LEVEL CONTROL SYSTEMS W/ MOUNTING BRACKET RANGE OF 0-15 FEET OF WATER COLUMN 69 1 GENERAL PURPOSE PRESSURE TRANSMITTER, 4-20MA 2-WIRE SIGNAL OUTPUT, SS 316L WETTED PARTS, 0-15 PSI RANGE, +/-0.5% ACCURACY, 1/4" MALE NPT CONNECTION WIKA 50426397 70 2 24VDC STANDARD DPDI SCREW CONNECTION TERMINAL BLOCK RELAYS 71 1 ENCLOSURE INNER DOOR ALARM (BRUSHED) SQUARE D SQUAR		2		
3P 600VAC POWERPACT H-FRAME MOLDED CASE THERMAL-MAGNETIC CIRCUIT BREAKERS, UNIT MOUNT 63 2 POWER SUPPLY, OUTPUT 24-28V DC, 10A INPUT VOLTAGE 100/240V AC 64 1 600VAC POWER DISTRIBUTION BLOCKS, SURFACE MOUNT, 3 POLES, 2 LINE TERMINALS, 6 LOAD TERMINALS 65 1 600VAC POWER DISTRIBUTION BLOCKS, SURFACE MOUNT, 1 POLE, 2 LINE TERMINALS, 6 LOAD TERMINALS 66 1 3-POLE FUSE HOLDER, AC: 600VAC, FINGER-SAFE DESIGN, DIN RAIL MOUNTING 67 3 1A FAST ACTING MIDGET FUSE WITH 600VAC VOLTAGE RATING FOR PROTECTION OF CONTROL AND ELECTRONIC CIRCUITS 68 1 AIR COMPRESSOR FOR FUSE WITH BUBBLER TYPE LIQUID LEVEL CONTROL SYSTEMS W/ MOUNTING BRACKET RANGE OF 0-15 FEET OF WATER COLUMN 69 1 GENERAL PURPOSE PRESSURE TRANSMITTER, 4-20MA 2-WIRE SIGNAL OUTPUT, SS 316L WETTED PARTS, 0-15 PSI RANGE, +/-0.5% ACCURACY, 1/4" MALE NPT CONNECTION WIKA 50426397 70 2 24VDC STANDARD DPDI SCREW CONNECTION TERMINAL BLOCK RELAYS 71 1 ENCLOSURE INNER DOOR ALARM (BRUSHED) SQUARE D SQ		2	3P 600VAC POWERPACT H-FRAME MOLDED CASE THERMAL-MAGNETIC CIRCUIT BREAKERS, UNIT MOUNT	
POWER SUPPLY, OUTPUT 24-28V DC, 10A INPUT VOLTAGE 100/240V AC 64 1 600VAC POWER DISTRIBUTION BLOCKS, SURFACE MOUNT, 3 POLES, 2 LINE TERMINALS, 6 LOAD TERMINALS 65 1 600VAC POWER DISTRIBUTION BLOCKS, SURFACE MOUNT, 1 POLE, 2 LINE TERMINALS, 6 LOAD TERMINALS 66 1 3-POLE FUSE HOLDER, AC: 600VAC, FINGER-SAFE DESIGN, DIN RAIL MOUNTING 67 3 1A FAST ACTING MIDGET FUSE WITH 600VAC VOLTAGE RATING FOR PROTECTION OF CONTROL AND ELECTRONIC CIRCUITS 68 1 AIR COMPRESSOR FOR FUSE WITH BUBBLER TYPE LIQUID LEVEL CONTROL SYSTEMS W/ MOUNTING BRACKET RANGE OF 0-15 FEET OF WATER COLUMN 69 1 GENERAL PURPOSE PRESSURE TRANSMITTER, 4-20MA 2-WIRE SIGNAL OUTPUT, SS 316L WETTED PARTS, 0-15 PSI RANGE, +/-0.5% ACCURACY, 1/4" MALE NPT CONNECTION WIKA 50426397 70 2 24VDC STANDARD DPDT SCREW CONNECTION TERMINAL BLOCK RELAYS 71 1 ENCLOSURE INNER DOOR ALARM (BRUSHED)	62	2		SQUARE D
65 1 600VAC POWER DISTRIBUTION BLOCKS, SURFACE MOUNT, 1 POLE, 2 LINE TERMINALS, 6 LOAD TERMINALS 66 1 3-POLE FUSE HOLDER, AC: 600VAC, FINGER-SAFE DESIGN, DIN RAIL MOUNTING 67 3 1A FAST ACTING MIDGET FUSE WITH 600VAC VOLTAGE RATING FOR PROTECTION OF CONTROL AND ELECTRONIC CIRCUITS 68 1 AIR COMPRESSOR FOR FUSE WITH BUBBLER TYPE LIQUID LEVEL CONTROL SYSTEMS W/ MOUNTING BRACKET RANGE OF 0-15 FEET OF WATER COLUMN 69 1 GENERAL PURPOSE PRESSURE TRANSMITTER, 4-20MA 2-WIRE SIGNAL OUTPUT, SS 316L WETTED PARTS, 0-15 PSI RANGE, +/-0.5% ACCURACY, 1/4" MALE NPT CONNECTION WIKA 50426397 70 2 24VDC STANDARD DPDT SCREW CONNECTION TERMINAL BLOCK RELAYS 71 1 ENCLOSURE INNER DOOR ALARM (BRUSHED)		2		
66 1 3-POLE FUSE HOLDER, AC: 600VAC, FINGER-SAFE DESIGN, DIN RAIL MOUNTING 67 3 1A FAST ACTING MIDGET FUSE WITH 600VAC VOLTAGE RATING FOR PROTECTION OF CONTROL AND ELECTRONIC CIRCUITS 68 1 AIR COMPRESSOR FOR FUSE WITH BUBBLER TYPE LIQUID LEVEL CONTROL SYSTEMS W/ MOUNTING BRACKET RANGE OF 0-15 FEET OF WATER COLUMN 69 1 GENERAL PURPOSE PRESSURE TRANSMITTER, 4-20MA 2-WIRE SIGNAL OUTPUT, SS 316L WETTED PARTS, 0-15 PSI RANGE, +/-0.5% ACCURACY, 1/4" MALE NPT CONNECTION WIKA 50426397 70 2 24VDC STANDARD DPDT SCREW CONNECTION TERMINAL BLOCK RELAYS 71 1 ENCLOSURE INNER DOOR ALARM (BRUSHED)	\vdash	1	· · · · · · · · · · · · · · · · · · ·	
1 A FAST ACTING MIDGET FUSE WITH 600VAC VOLTAGE RATING FOR PROTECTION OF CONTROL AND ELECTRONIC CIRCUITS AIR COMPRESSOR FOR FUSE WITH BUBBLER TYPE LIQUID LEVEL CONTROL SYSTEMS W/ MOUNTING BRACKET RANGE OF 0-15 FEET OF WATER COLUMN GENERAL PURPOSE PRESSURE TRANSMITTER, 4-20MA 2-WIRE SIGNAL OUTPUT, SS 316L WETTED PARTS, 0-15 PSI RANGE, +/-0.5% ACCURACY, 1/4" MALE NPT CONNECTION WIKA 50426397 2 24VDC STANDARD DPDT SCREW CONNECTION TERMINAL BLOCK RELAYS 71 1 ENCLOSURE INNER DOOR ALARM (BRUSHED)		1		,
AIR COMPRESSOR FOR FUSE WITH BUBBLER TYPE LIQUID LEVEL CONTROL SYSTEMS W/ MOUNTING BRACKET RANGE OF 0-15 FEET OF WATER COLUMN GENERAL PURPOSE PRESSURE TRANSMITTER, 4-20MA 2-WIRE SIGNAL OUTPUT, SS 316L WETTED PARTS, 0-15 PSI RANGE, +/-0.5% ACCURACY, 1/4" MALE NPT CONNECTION WIKA 50426397 2 24VDC STANDARD DPDI SCREW CONNECTION TERMINAL BLOCK RELAYS TO 1 ENCLOSURE INNER DOOR ALARM (BRUSHED)		3	1A FAST ACTING MIDGET FUSE WITH 600VAC VOLTAGE RATING FOR PROTECTION OF CONTROL AND ELECTRONIC CIRCUITS	
69 1 GENERAL PURPOSE PRESSURE TRANSMITTER, 4-20MA 2-WIRE SIGNAL OUTPUT, SS 316L WETTED PARTS, 0-15 PSI RANGE, +/-0.5% ACCURACY, 1/4" MALE NPT CONNECTION WIKA 50426397 70 2 24VDC STANDARD DPDT SCREW CONNECTION TERMINAL BLOCK RELAYS 71 1 ENCLOSURE INNER DOOR ALARM (BRUSHED)	68	1	·	INGRAM PRODUCTS PART NO. HR10WB3 + PART NO. HRMTBKT
71 1 ENCLOSURE INNER DOOR ALARM (BRUSHED) DEAD FRONT		1	\cdot	WIKA 50426397
		2		
I LENEUM CHAMALLU1 1900	71 72	1	ENCLOSURE INNER DOOR ALARM (BRUSHED) LIGHT SOURCE	DEAD FRONT FEDERAL SIGNAL LP1-120R
72 1 EIGHT SCORCE FEDERAL SIGNAL LPT=120R FEDERAL SIGNAL LPT=1		1		
74 1 MAGNETIC SWITCH INC FOR SS ENCLOSURE	74	1		
75 1 MAGNETIC FLOW METER ABB MAGMASTER	75	1	MAGNETIC FLOW METER	ABB MAGMASTER

NOTES:

1 BILL OF MATERIALS SHALL NOT BE CONSIDERED AS FINAL. VENDOR SHALL PROVIDE ALL DEVICES AND EQUIPMENT REQUIRED TO PROVIDE THE FUNCTIONALITY POWER SOURCE CIRCUITS INDICATED AND REQUIRED.

KNOW WHAT'S BELOW ALWAYS CALL 811 BEFORE YOU DIG

HAMMOND & ASSOCIATES, INC. CONSULTING ENGINEERS

499 NW 70TH AVE, SUITE 201
PLANTATION, FLORIDA 33317
TEL: (954) 327-7111 FAX (954) 327-7154
ERIC J. HAMMOND P.E.
MECHANICAL / ELECTRICAL ENGINEER
P.E. #39048
EB 5315

PROJECT # 12412
PUMP STATION A-16 UPGRADE
WASTEWATER DESIGN CRITERIA PACKAGE
CONTROL PANEL BILL OF MATERIALS

ERIC HAMMOND, P.E.

FL. LICENSE # PE39048

CITY OF FORT LAUDERDALE

PUBLIC WORKS DEPARTMENT

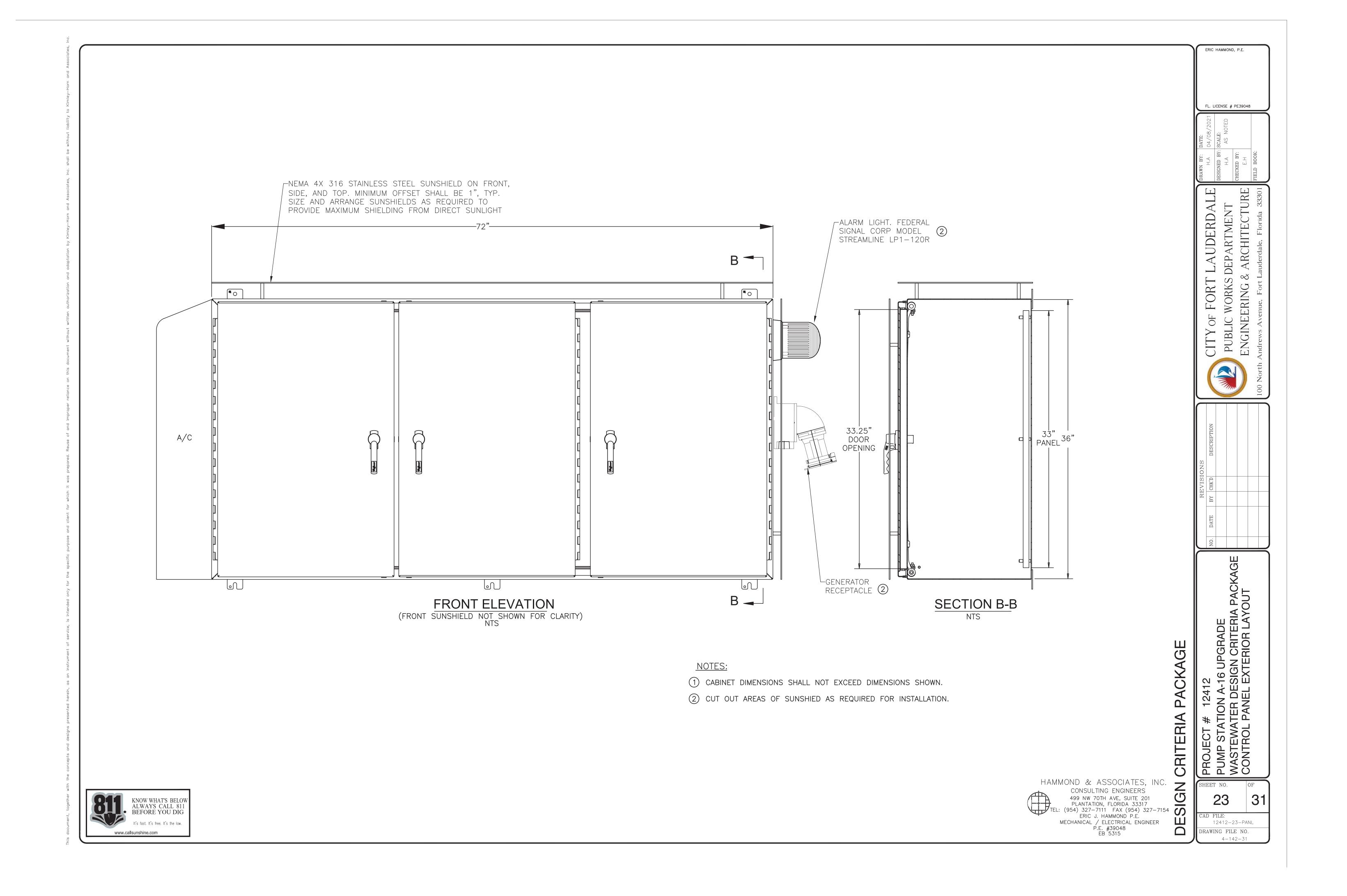
ENGINEERING & ARCHITECTURE

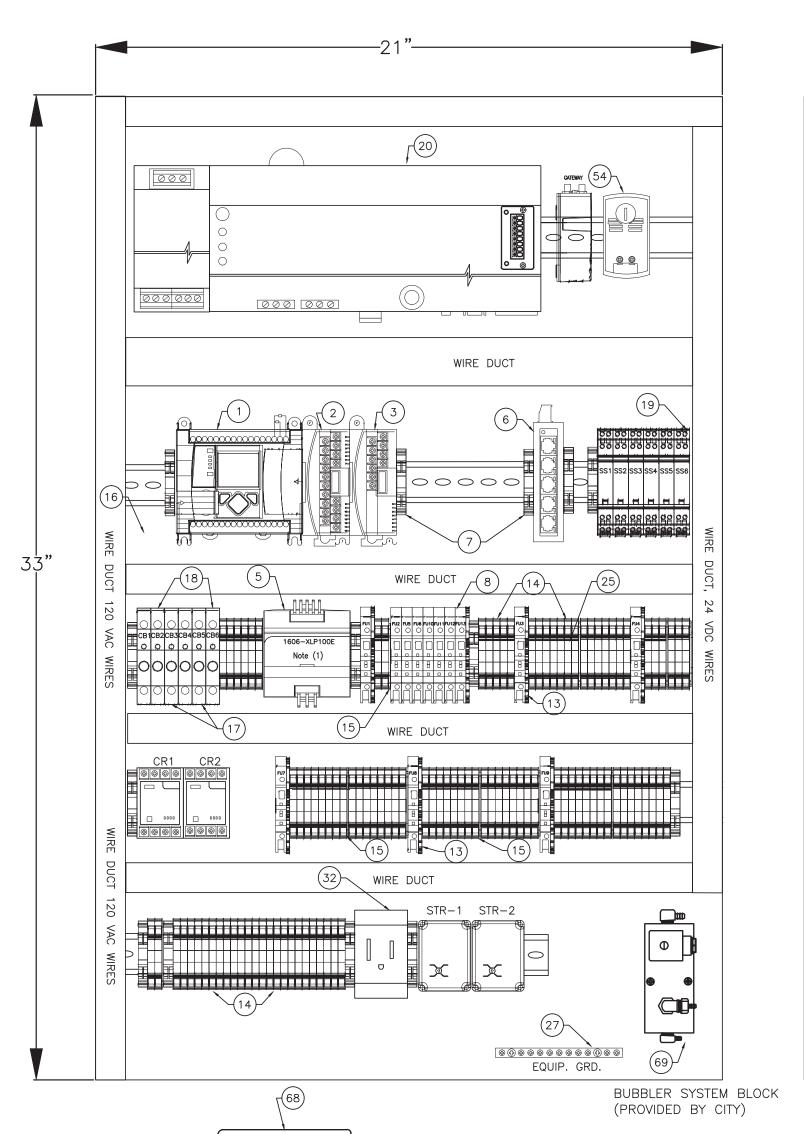
The Andrews Avenue, Fort Lauderdale, Florida 33301

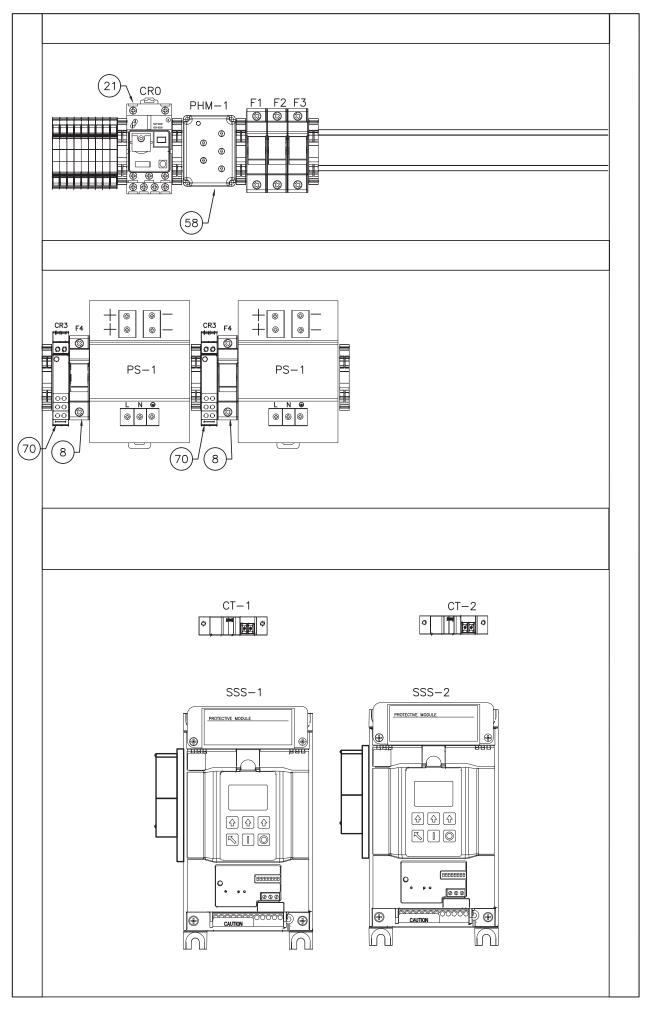
12412-22-PBOM DRAWING FILE NO. 4-142-31

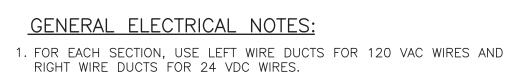
> CAM 22-0628 Exhibit 6 Page 23 of 32

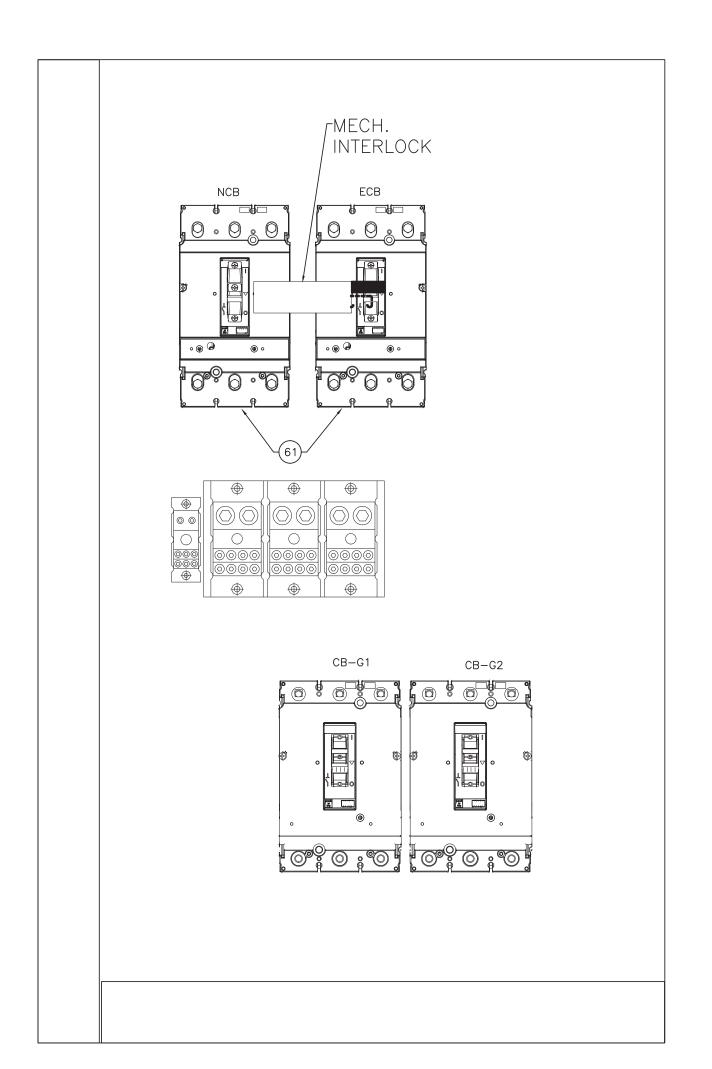
31











HAMMOND & ASSOCIATES, INC. CONSULTING ENGINEERS

499 NW 70TH AVE, SUITE 201
PLANTATION, FLORIDA 33317
TEL: (954) 327-7111 FAX (954) 327-7154
ERIC J. HAMMOND P.E. ERIC J. HAMMOND P.E.

MECHANICAL / ELECTRICAL ENGINEER

P.E. #39048

EB 5315

24 31 12412-24-PANL RAWING FILE NO. 4-142-31

PROJECT # 12412
PUMP STATION A-16 UPGRADE
WASTEWATER DESIGN CRITERIA PACKAGE
CONTROL PANEL COMPONENT LAYOUT

PACKAGE

ERIC HAMMOND, P.E.

FL. LICENSE # PE39048

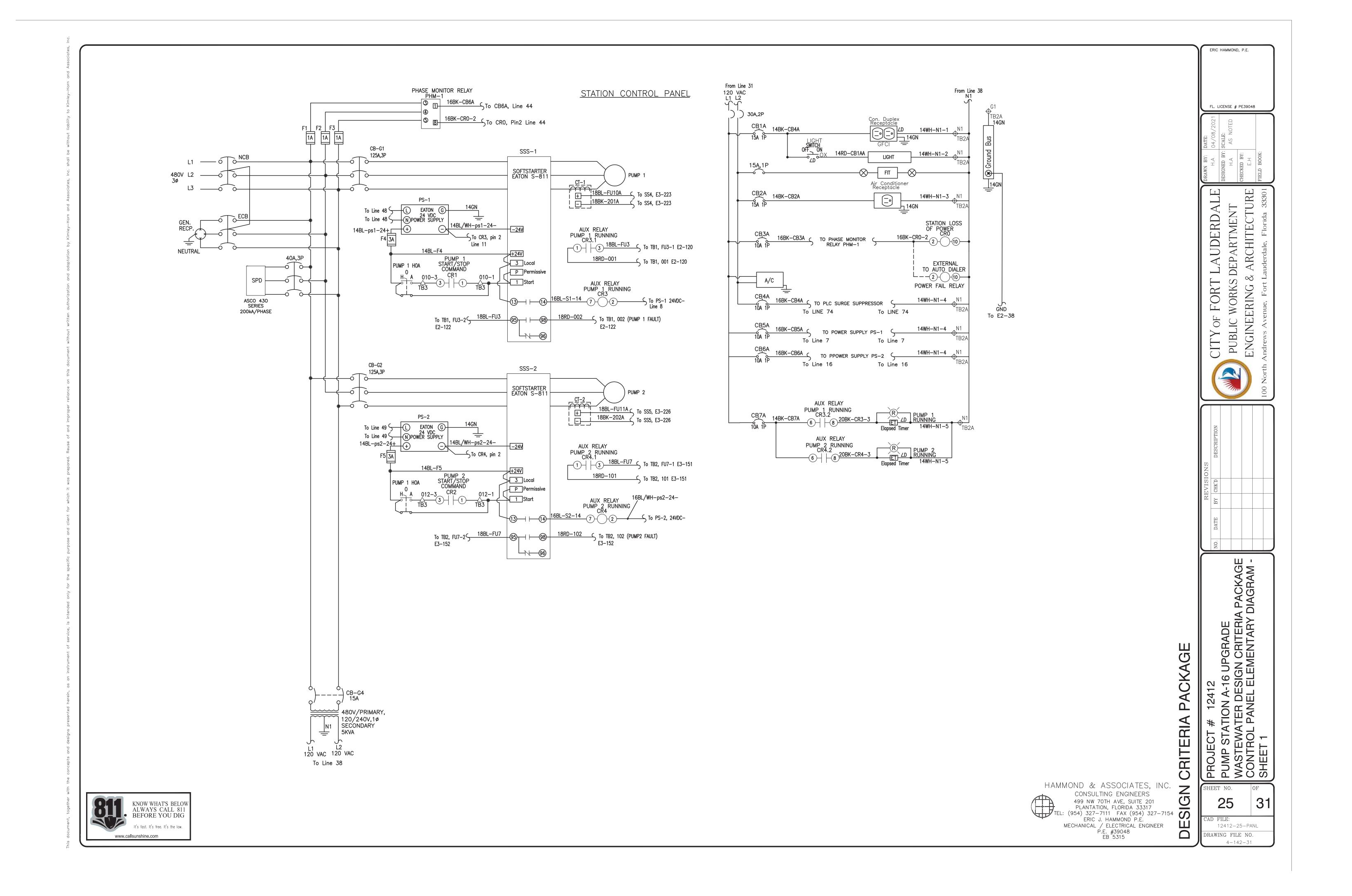
PUBLIC WORKS DEPARTMENT
ENGINEERING & ARCHITECTURE
Andrews Avenue, Fort Lauderdale, Florida 33301

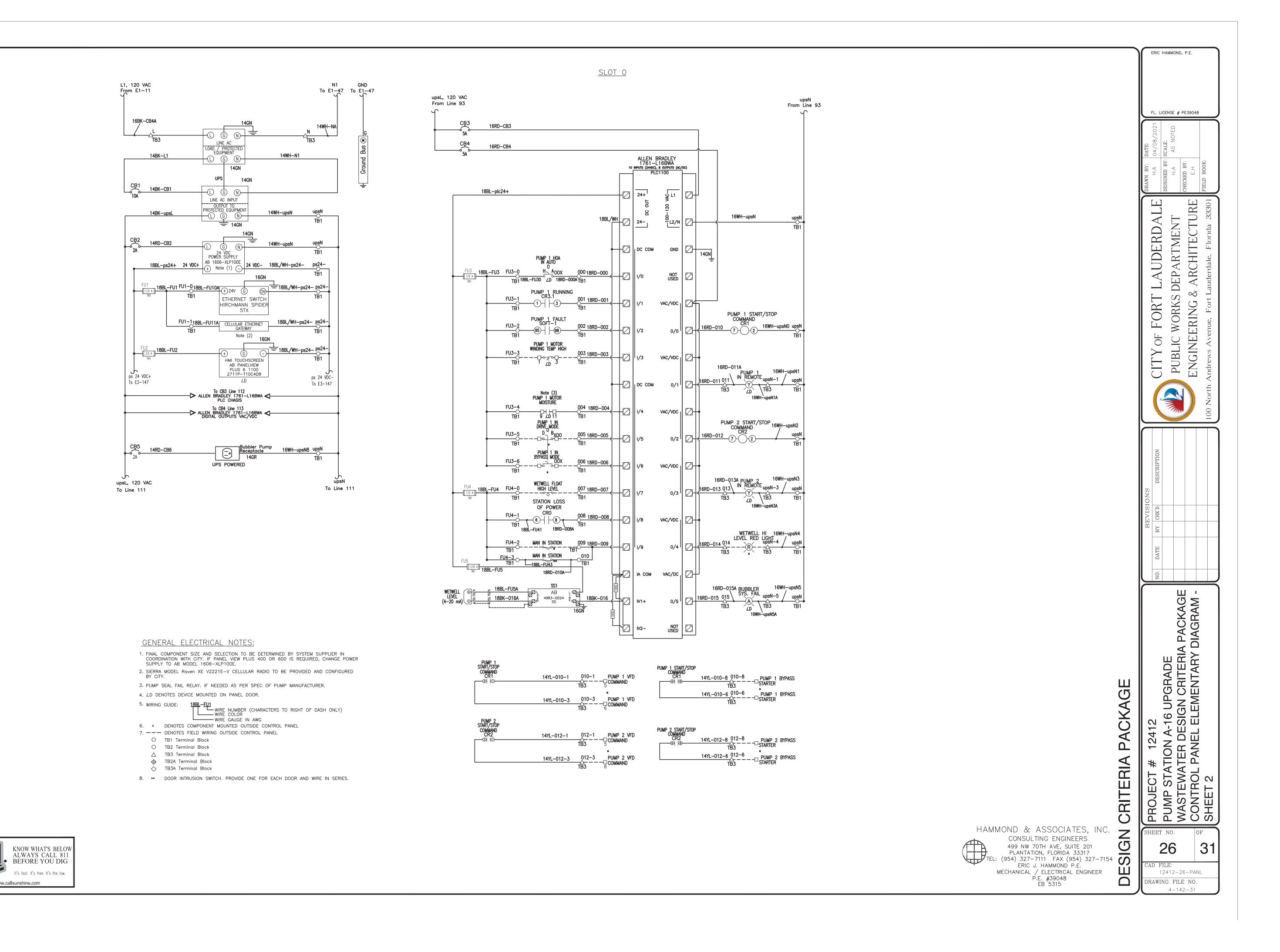
CITY OF FORT LAUDERDALE

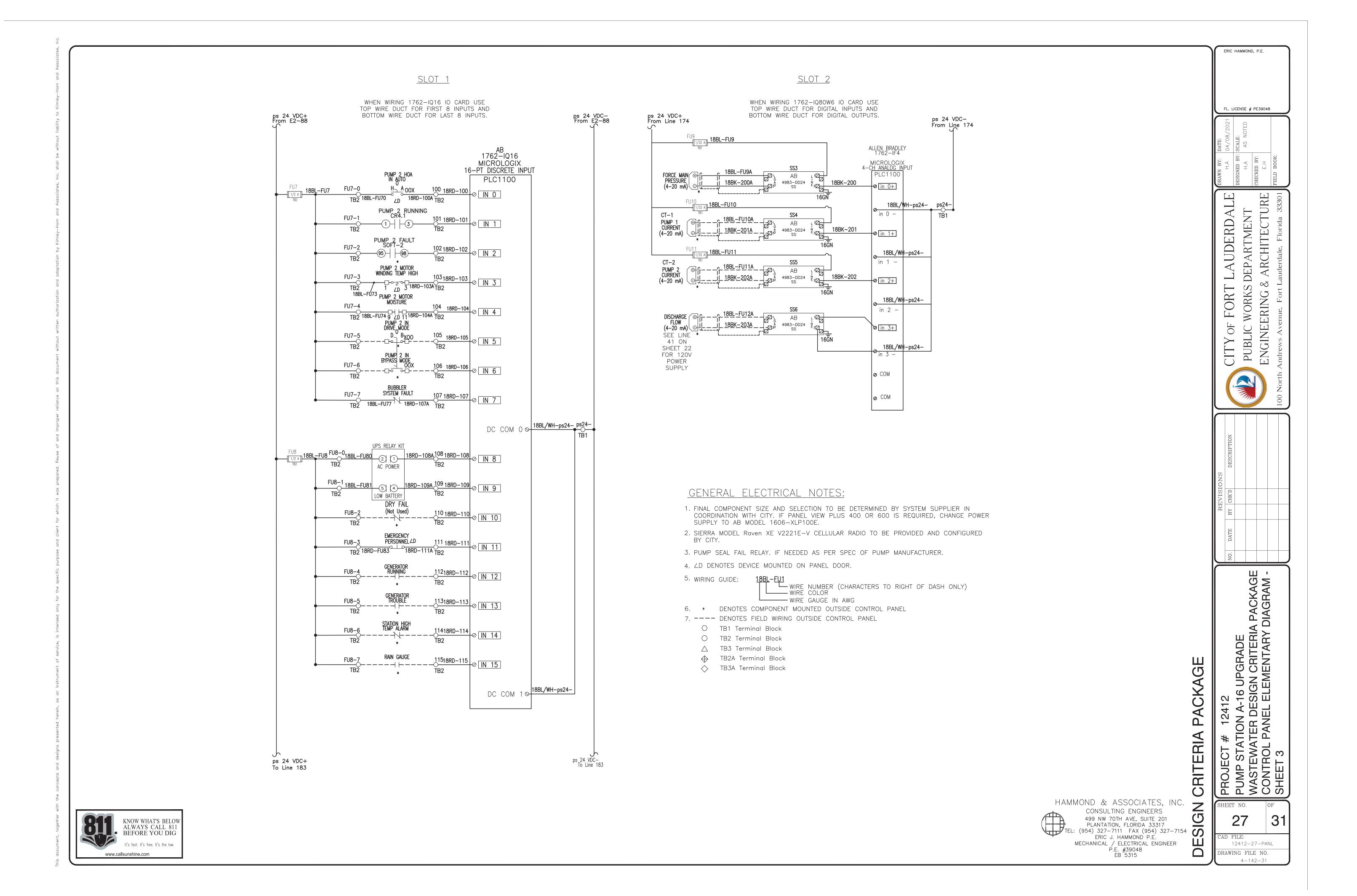
CAM 22-0628 Page 25 of 32

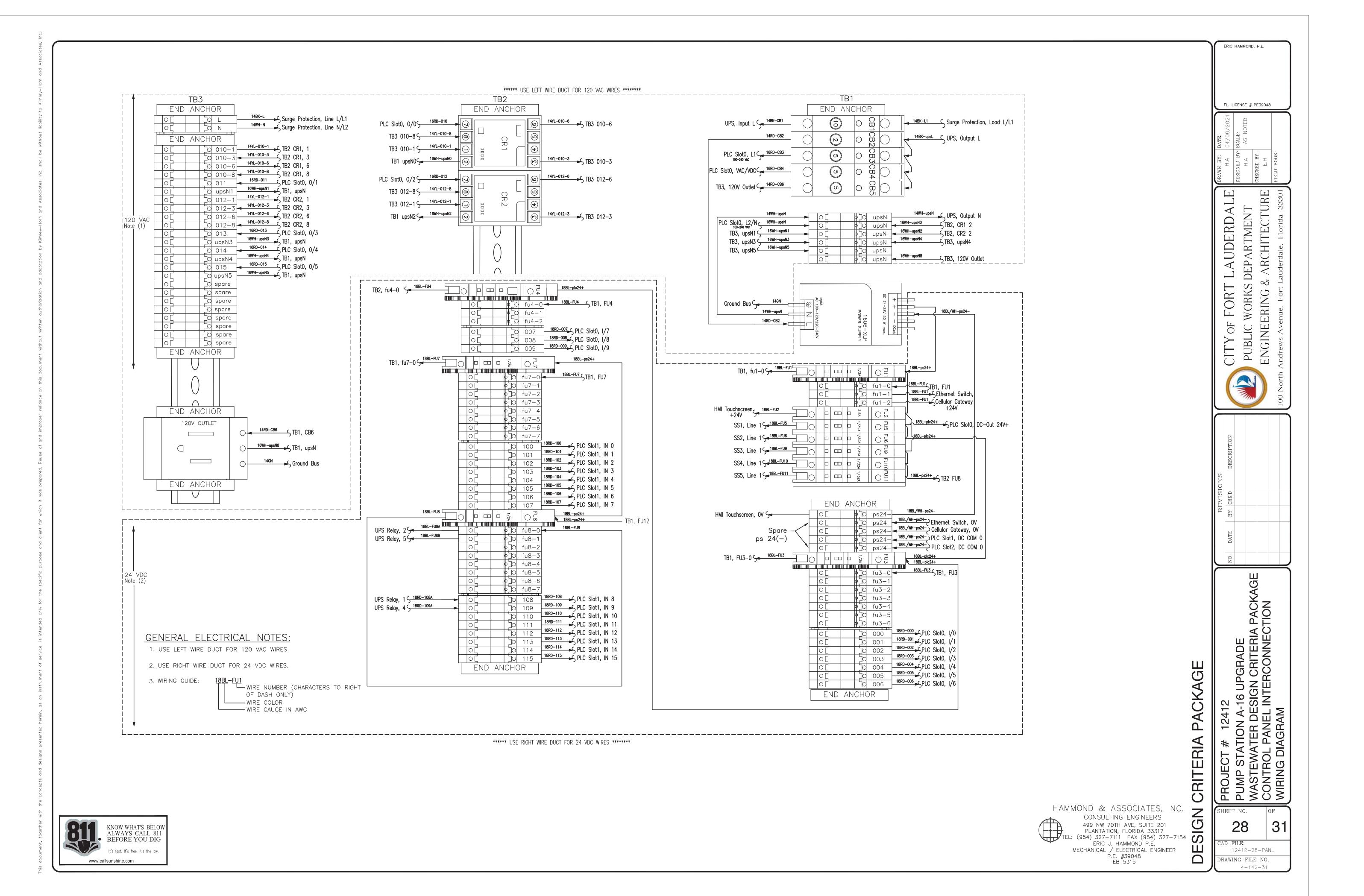
Exhibit 6

KNOW WHAT'S BELOW ALWAYS CALL 811 BEFORE YOU DIG









CAM 22-0628 Page 29 of 32

