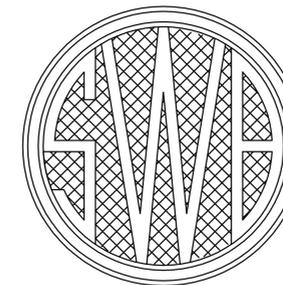
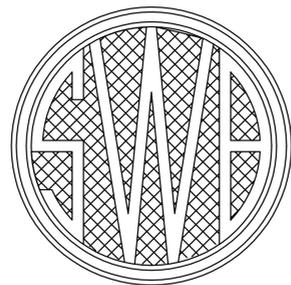


SEWERAGE AND WATER BOARD OF NEW ORLEANS



CONTRACT No. 3664 HURRICANE KATRINA RELATED 404 HAZARD MITIGATION GRANT PROGRAM REPLACEMENT OF SEWAGE PUMPING STATION NO. 8

DRAWING INDEX

SHEET No.	DRAWING No.	Discipline	TITLE	SHEET No.	DRAWING No.	Discipline	TITLE
1	12029-W-63	GENERAL	TITLE SHEET	25	12029-W-63	STRUCTURAL	LADDER DETAILS
2	12029-W-63	GENERAL	LOCATION MAP/GENERAL NOTES	26	12029-W-63	STRUCTURAL	ROOF SECTION AND DETAILS
3	12029-W-63	CIVIL	SITE PLAN - EXISTING CONDITIONS AND DEMOLITION AT NEW SITE	27	12029-W-63	STRUCTURAL	PPC PILE AND MISCELLANEOUS DETAILS
3A	12029-W-63	CIVIL	DEMOLITION PLAN	28	12029-W-63	STRUCTURAL	WET WELL FOUNDATION PLAN AND DETAILS
4	12029-W-63	CIVIL	SITE PLAN - REQUIRED STATION AND PIPING	29	12029-W-63	STRUCTURAL	WET WELL ELEVATION SECTION AND DETAILS
4A	12029-W-63	CIVIL	TRAFFIC CONTROL	30	12029-W-63	STRUCTURAL	WET WELL AND PUMP STATION TRS PLAN AND DETAILS
4B	12029-W-63	CIVIL	SUGGESTED TRAFFIC CONTROL PLAN	30A	12029-W-63	STRUCTURAL	MISCELLANEOUS DETAILS
5	12029-W-63	CIVIL	SITE PAVING AND FENCING PLAN	31	12029-W-63	MECHANICAL	MECHANICAL EQUIPMENT LAYOUT PLAN
5A	12029-W-63	CIVIL	FENCING DETAILS	32	12029-W-63	MECHANICAL	PIPING CROSS SECTION THROUGH STATION AND WET WELL
6	12029-W-63	CIVIL	MISCELLANEOUS SITEWORK DETAILS	33	12029-W-63	MECHANICAL	LONGITUDINAL SECTION
7	12029-W-63	CIVIL	SEWER NOTES	34	12029-W-63	MECHANICAL	PIPING CROSS SECTION THROUGH STATION AND MISCELLANEOUS DETAILS
8	12029-W-63	CIVIL	GRAVITY SEWER LINE - PLAN AND PROFILE	35	12029-W-63	MECHANICAL	WET WELL PLAN, SECTION AND DETAILS
9	12029-W-63	CIVIL	GRAVITY SEWER LINE - PLAN AND PROFILE	36	12029-W-63	----	REFERENCE DRAWING
10	12029-W-63	CIVIL	GRAVITY SEWER LINE - PLAN AND PROFILE	37	12029-W-63	----	REFERENCE DRAWING
11	12029-W-63	ARCHITECTURAL	FLOOR FRAMING AND ROOF PLANS	38	12029-W-63	----	REFERENCE DRAWING
12	12029-W-63	ARCHITECTURAL	BUILDING ELEVATIONS	39	12029-W-63	----	REFERENCE DRAWING
13	12029-W-63	ARCHITECTURAL	BUILDING SECTIONS	40	12029-W-63	----	REFERENCE DRAWING
14	12029-W-63	ARCHITECTURAL	ARCHITECTURAL DETAILS	41	12029-W-63	----	REFERENCE DRAWING
15	12029-W-63	ARCHITECTURAL	ARCHITECTURAL DETAILS	42	5026-P1	ELECTRICAL	ELECTRICAL - REQUIRED SITE PLAN
16	12029-W-63	STRUCTURAL	BORING LOGS	43	5026-P2	ELECTRICAL	ELEMENTARY, PNEUMATIC, CONTROL AND ONE LINE DIAGRAMS
16A	12029-W-63	STRUCTURAL	BORING LOGS	44	5026-P3	ELECTRICAL	ELECTRICAL FLOOR PLAN, EXTERIOR WALL ELEVATIONS AND DETAILS
16B	12029-W-63	STRUCTURAL	BORING LOGS	45	5026-P4	ELECTRICAL	ELECTRICAL INTERIOR WALL ELEVATIONS AND DETAILS
17	12029-W-63	STRUCTURAL	STRUCTURAL NOTES	46	5026-P5	ELECTRICAL	AUTOMATION CONTROL PANEL FABRICATION AND WIRING
18	12029-W-63	STRUCTURAL	PUMP PIT FOUNDATION PLAN AND SECTIONS	47	5026-P6	ELECTRICAL	SCADA PANEL RISER DIAGRAM AND DETAILS
19	12029-W-63	STRUCTURAL	OPERATING FLOOR FRAMING AND GRATING PLAN				
20	12029-W-63	STRUCTURAL	CEILING LEVEL FRAMING AND ROOF PLAN				
21	12029-W-63	STRUCTURAL	FRAMING SECTION AND DETAILS - 1				
22	12029-W-63	STRUCTURAL	FRAMING SECTION AND DETAILS - 2				
23	12029-W-63	STRUCTURAL	PLATFORM AND STAIR FRAMING PLAN				
24	12029-W-63	STRUCTURAL	STAIR SECTION AND DETAILS				



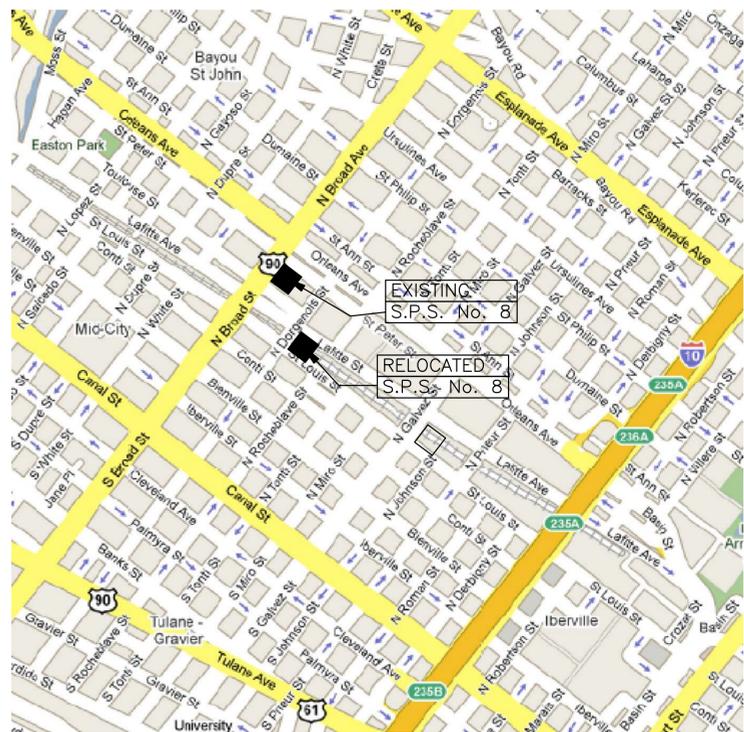
VICINITY MAP
AREA MAP NO SCALE

REVISED FINAL PLANS
THESE DOCUMENTS ARE NOT TO BE USED FOR CONSTRUCTION, BIDDING, RECORDATION, CONVEYANCE, SALES, OR AS THE BASIS FOR THE ISSUANCE OF A PERMIT.
John Holtgreve, P.E. 16383
PROFESSIONAL ENGINEER LICENSE NO.
9-19-11

REVISED FINAL SUBMITTAL
SEPTEMBER 2011
NOT FOR CONSTRUCTION
 DESIGN ENGINEERING INC.
3330 West Esplanade Ave. S.
Suite 205
Metairie, LA 70002
(504) 836-2155

REV.	DATE	DESCRIPTION	BY
SEWERAGE AND WATER BOARD OF NEW ORLEANS			
CONTRACT 3664 HURRICANE KATRINA RELATED 404 HAZARD MITIGATION GRANT PROGRAM REPLACEMENT OF SEWAGE PUMPING STATION NO. 8			
TITLE SHEET			
DR. TH/BD			
TRC. --			
CK. DS/CW			GENERAL SUPERINTENDENT
AP. JH			
SCALE: NONE		DWG. No. 12029-W-63	
DATE: SEPTEMBER 2011	SET NO.		SHEET NO. 1

DESIGN ENGINEERING INC.
3330 West Esplanade Ave. S.
Suite 205
Metairie, LA 70002
(504) 836-2155



2550 LAFITTE STREET
(AT SOUTHEAST CORNER OF
LAFITTE STREET AND N. DORGENOIS STREET)
LOCATION MAP - S.P.S. No. 8

AREA MAP NO SCALE

GENERAL NOTES:

1. THE CONTRACTOR SHALL VISIT THE SITE AND FAMILIARIZE HIMSELF WITH EXISTING SITE CONDITIONS IN ORDER TO OBTAIN A FULL UNDERSTANDING OF WORK TO BE DONE.
2. PRIOR TO ANY DEMOLITION, CLEARING AND OR EXCAVATION (IF NEEDED), THE CONTRACTOR SHALL LOCATE ALL UNDERGROUND UTILITIES BY CALLING LOUISIANA ONE CALL AT 1-800-272-3020.
3. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY AND ALL DAMAGES CAUSED TO EXISTING STRUCTURES AND UTILITIES DURING CONSTRUCTION AT NO ADDITIONAL COST TO THE SWBNO.
4. CONTRACTOR SHALL CONTACT PROJECT MANAGER'S OFFICE IMMEDIATELY CONCERNING ANY CONFLICTS THAT ARISE DURING THE COURSE OF CONSTRUCTION ACTIVITIES.
5. THE EXISTING PUMPING STATION SHALL REMAIN IN SERVICE AS LONG AS POSSIBLE DURING CONSTRUCTION OF THE NEW STATION. WHEN THE EXISTING STATION IS NO LONGER OPERABLE, THE CONTRACTOR SHALL PROVIDE TEMPORARY BY-PASS PUMPING IN ACCORDANCE WITH SECTION 13 OF THE SPECIFICATIONS.
6. THE CONTRACTOR SHALL NOTIFY THE SWBNO AND THE PROGRAM MANAGER IF THEY PLAN TO WORK ON A SWBNO HOLIDAY OR A WEEKEND DAY. THE SWBNO HAS THE FINAL AUTHORIZATION ON WORK PERFORMED THAT IS NOT ON REGULAR WORK DAYS.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE EXACT LOCATION, DEPTH, AND SIZE OF ALL UNDERGROUND UTILITIES AND STRUCTURES AND SHALL BE LIABLE FOR ANY DAMAGE CAUSED BY FAILURE TO COMPLY WITH THESE INSTRUCTIONS. PRIOR TO COMMENCING CONSTRUCTION, THE CONTRACTOR SHALL PERFORM EXPLORATORY EXCAVATIONS (POT-HOLING) TO DETERMINE THE LOCATION OF EXISTING UTILITIES AFFECTED BY THIS CONSTRUCTION AND SHALL REPORT HIS FINDINGS TO THE BOARD ENGINEER. THE CONTRACTOR SHALL INCLUDE IN HIS BID, EXPLORATORY EXCAVATIONS FOR A MINIMUM OF TEN (10) LOCATIONS, HAVING A DEPTH RANGING FROM FIVE FEET TO TWELVE FEET.
8. ALL WORK SHALL CONFORM TO THE CITY OF NEW ORLEANS DEPARTMENT OF PUBLIC WORKS (CNO-DPW), THE SEWERAGE AND WATER BOARD OF NEW ORLEANS(SWBNO), LOUISIANA DEPARTMENT OF PUBLIC HOSPITALS (DHH) AND OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) STANDARDS.
9. THE CONTRACTOR IS RESPONSIBLE FOR REMOVAL OF DIRT AND DEBRIS FROM STREETS AND ROADWAYS AND PROJECT SITE GENERATED BY CONSTRUCTION ACTIVITIES.
10. THE CONTRACTOR IS RESPONSIBLE FOR REPAIRING ALL DAMAGE TO ADJACENT PAVEMENT AND FENCING WHICH RESULTS FROM THE CONTRACTOR'S CONSTRUCTION ACTIVITIES AT NO ADDITIONAL COST TO THE SWBNO.
11. CONTRACTOR SHALL CLEAN AND PAINT ALL EXPOSED SURFACES OF MECHANICAL EQUIPMENT, PIPING, PIPE SUPPORTS, AND OTHER ELEMENTS IN ACCORDANCE WITH SECTION 11 OF THE SPECIFICATIONS.
12. CONTRACTOR SHALL VERIFY PUMP STATION DIMENSIONS WITH EQUIPMENT MANUFACTURER'S SHOP DRAWINGS TO ENSURE PROPER FIT WITHIN THE STRUCTURE.
13. CONTRACTOR SHALL PROTECT ADJACENT PROPERTY AND IMPROVEMENTS FROM DAMAGE AND REPLACE ANY PORTIONS DAMAGED THROUGH HIS OPERATION AT HIS OWN EXPENSE. ALL REPAIR WORK SHALL BE TO THE SATISFACTION OF THE SWBNO.
14. CONTRACTOR SHALL RE-GRADE ALL AREAS ALTERED BY CONSTRUCTION ACTIVITIES TO PROVIDE POSITIVE DRAINAGE. ALL WORK SHALL BE IN A MANNER ACCEPTABLE TO THE SWBNO.
15. CONTRACTOR SHALL PROVIDE A MINIMUM OF 48 HOURS ADVANCE NOTICE TO THOSE AFFECTED BY CONSTRUCTION ACTIVITIES THAT MAY DISRUPT WATER, SEWER, OR OTHER UTILITY SERVICES. UTILITY SERVICES SHALL BE PROMPTLY REPAIRED AND SHALL NOT REMAIN OUT OF SERVICE OVERNIGHT.
16. CONTRACTOR SHALL AT ALL TIMES CONDUCT HIS OPERATION TO ENSURE MINIMAL INCONVENIENCE TO THE GENERAL PUBLIC, ADJACENT PROPERTY OWNERS, AND BUSINESSES. CONTRACTOR SHALL PROVIDE AND MAINTAIN ACCESS TO ALL PROPERTIES AND TRAFFIC FLOW IN ROADWAYS AT ALL TIMES.
17. ALL GRASS AREAS ALTERED SHALL BE SEEDED, FERTILIZED, WATERED, AND MAINTAINED BY THE CONTRACTOR UNTIL FINAL ACCEPTANCE OF THE PROJECT. CONTRACTOR SHALL WATER DAILY FROM SEEDING UNTIL 2 WEEKS AFTER GERMINATION.
18. THE CONTRACTOR SHALL CONTACT THE FOLLOWING ENTITIES AT LEAST FIVE (5) WORKING DAYS PRIOR TO BEGINNING CONSTRUCTION ACTIVITIES:

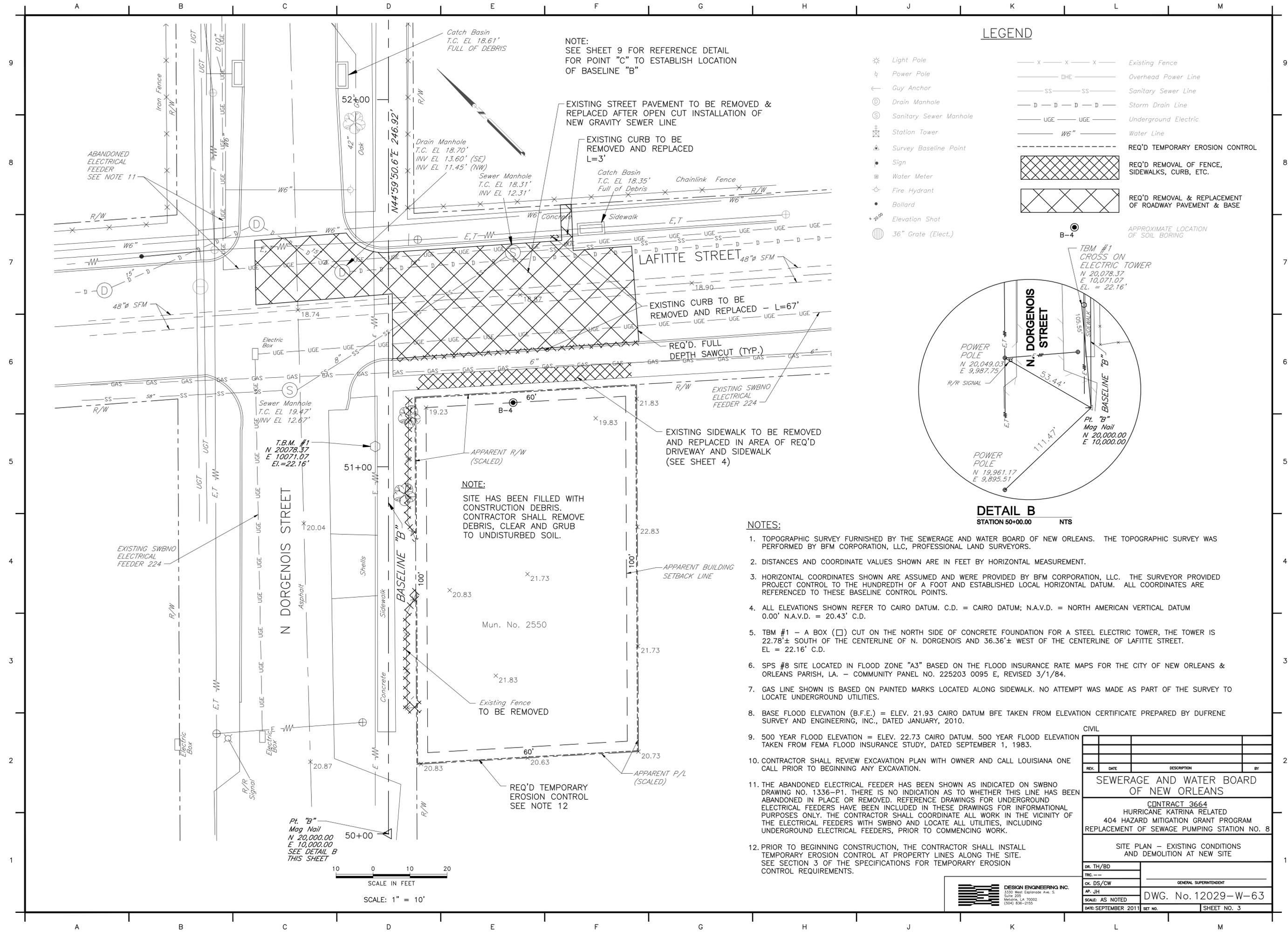
SEWERAGE AND WATER BOARD OF NEW ORLEANS

BKI: DENNIS GARRARD 504-486-5901

LOUISIANA ONE CALL - 1-800-272-3020
19. ALL MISCELLANEOUS METAL WORK, INCLUDING PIPE SUPPORTS AND BRACKETS TO BE INSTALLED WITHIN THE WET WELL SHALL BE MANUFACTURED ENTIRELY OF TYPE 316 STAINLESS STEEL. LIKEWISE, ALL FASTENERS, INCLUDING ANCHOR BOLTS INSTALLED WITHIN THE WET WELL SHALL BE MANUFACTURED OF STAINLESS STEEL. THREADS OF ALL STAINLESS STEEL FASTENERS SHALL BE TREATED WITH AN ANTI-SEIZE COMPOUND FORMULATED FOR USE WITH STAINLESS STEEL, SUCH AS "PURE NICKEL SPECIAL ANTI SEIZE COMPOUND", MANUFACTURED BY "NEVER-SEEZ", OR EQUAL.
20. COMPLETED INSTALLATION SHALL COMPLY WITH ALL APPLICABLE LAWS, LOCAL CODES, AND THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE.
21. ALL ELECTRICAL EQUIPMENT SHALL BE FURNISHED AND INSTALLED OR RELOCATED FROM EXISTING FACILITIES, IN ACCORDANCE WITH SECTION 15 OF THE SPECIFICATIONS.
22. NAMEPLATES CONTAINING PERTINENT DATA SHALL BE INSTALLED ON ALL THE EQUIPMENT THAT IS INSTALLED BY THE CONTRACTOR.
23. TESTING SHALL BE PERFORMED BY QUALIFIED TESTING AGENCIES AND FIELD SERVICE COMPANIES AS NECESSARY TO AUGMENT THE CONTRACTOR'S OWN CAPABILITIES. TESTING AND REPORTING METHODS SHALL COMPLY WITH APPLICABLE CITY OF NEW ORLEANS STANDARDS. ALL TEST RESULTS SHALL BE PUBLISHED ON THE CONTRACTOR'S OR TESTING COMPANY'S LETTERHEAD OR TEST FORMS BEARING THE LEGAL NAME AND ADDRESS OF THE COMPANY.
24. THE NEW STRUCTURES SHOWN ARE TO BE TIED INTO EXISTING PIPING. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS SHOWN ON THE DRAWINGS THAT RELATE TO NEW WORK. THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY DISCREPANCIES PRIOR TO FABRICATION OR CONSTRUCTION.
25. CITY OF NEW ORLEANS DEPARTMENT OF PUBLIC WORKS (CNO-DPW) STANDARD DRAWINGS ARE AVAILABLE FROM THE CNO-DPW ENGINEERING DIVISION, CITY HALL, 1300 PERDIDO STREET, ROOM 6W03, NEW ORLEANS, LOUISIANA 70012, OR ONLINE AT www.nola.gov.

REV.	DATE	DESCRIPTION	BY
SEWERAGE AND WATER BOARD OF NEW ORLEANS			
CONTRACT 3664 HURRICANE KATRINA RELATED 404 HAZARD MITIGATION GRANT PROGRAM REPLACEMENT OF SEWAGE PUMPING STATION NO. 8			
LOCATION MAP/GENERAL NOTES			
DR. TH/BD			
TRC. ---			
CK. DS/CW	GENERAL SUPERINTENDENT		
AP. JH	DWG. No. 12029-W-63		
SCALE: NONE	DATE: SEPTEMBER 2011	SET NO.	SHEET NO. 2

DESIGN ENGINEERING INC.
3330 West Esplanade Ave. S.
Suite 200
Metairie, LA 70002
(504) 836-2126



NOTE:
SEE SHEET 9 FOR REFERENCE DETAIL
FOR POINT "C" TO ESTABLISH LOCATION
OF BASELINE "B"

EXISTING STREET PAVEMENT TO BE REMOVED &
REPLACED AFTER OPEN CUT INSTALLATION OF
NEW GRAVITY SEWER LINE

EXISTING CURB TO BE
REMOVED AND REPLACED
L=3'

EXISTING CURB TO BE
REMOVED AND REPLACED - L=67'

REQ'D FULL
DEPTH SAWCUT (TYP.)

EXISTING SIDEWALK TO BE REMOVED
AND REPLACED IN AREA OF REQ'D
DRIVEWAY AND SIDEWALK
(SEE SHEET 4)

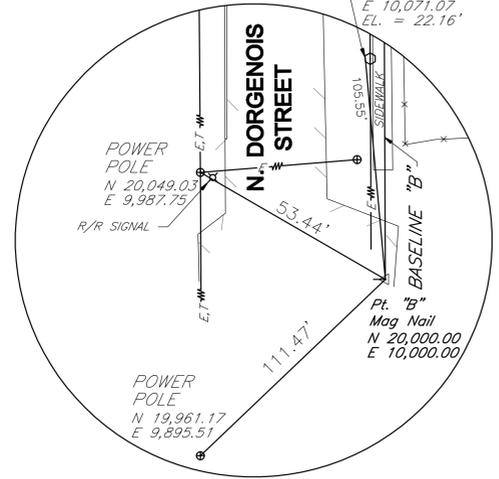
NOTE:
SITE HAS BEEN FILLED WITH
CONSTRUCTION DEBRIS.
CONTRACTOR SHALL REMOVE
DEBRIS, CLEAR AND GRUB
TO UNDISTURBED SOIL.

NOTES:

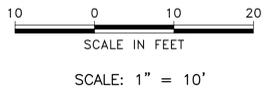
- TOPOGRAPHIC SURVEY FURNISHED BY THE SEWERAGE AND WATER BOARD OF NEW ORLEANS. THE TOPOGRAPHIC SURVEY WAS PERFORMED BY BFM CORPORATION, LLC, PROFESSIONAL LAND SURVEYORS.
- DISTANCES AND COORDINATE VALUES SHOWN ARE IN FEET BY HORIZONTAL MEASUREMENT.
- HORIZONTAL COORDINATES SHOWN ARE ASSUMED AND WERE PROVIDED BY BFM CORPORATION, LLC. THE SURVEYOR PROVIDED PROJECT CONTROL TO THE HUNDRETH OF A FOOT AND ESTABLISHED LOCAL HORIZONTAL DATUM. ALL COORDINATES ARE REFERENCED TO THESE BASELINE CONTROL POINTS.
- ALL ELEVATIONS SHOWN REFER TO CAIRO DATUM. C.D. = CAIRO DATUM; N.A.V.D. = NORTH AMERICAN VERTICAL DATUM 0.00' N.A.V.D. = 20.43' C.D.
- TBM #1 - A BOX (□) CUT ON THE NORTH SIDE OF CONCRETE FOUNDATION FOR A STEEL ELECTRIC TOWER, THE TOWER IS 22.78'± SOUTH OF THE CENTERLINE OF N. DORGENOIS AND 36.36'± WEST OF THE CENTERLINE OF LAFITTE STREET. EL = 22.16' C.D.
- SPS #8 SITE LOCATED IN FLOOD ZONE "A3" BASED ON THE FLOOD INSURANCE RATE MAPS FOR THE CITY OF NEW ORLEANS & ORLEANS PARISH, LA. - COMMUNITY PANEL NO. 225203 0095 E, REVISED 3/1/84.
- GAS LINE SHOWN IS BASED ON PAINTED MARKS LOCATED ALONG SIDEWALK. NO ATTEMPT WAS MADE AS PART OF THE SURVEY TO LOCATE UNDERGROUND UTILITIES.
- BASE FLOOD ELEVATION (B.F.E.) = ELEV. 21.93 CAIRO DATUM BFE TAKEN FROM ELEVATION CERTIFICATE PREPARED BY DUFRENE SURVEY AND ENGINEERING, INC., DATED JANUARY, 2010.
- 500 YEAR FLOOD ELEVATION = ELEV. 22.73 CAIRO DATUM. 500 YEAR FLOOD ELEVATION TAKEN FROM FEMA FLOOD INSURANCE STUDY, DATED SEPTEMBER 1, 1983.
- CONTRACTOR SHALL REVIEW EXCAVATION PLAN WITH OWNER AND CALL LOUISIANA ONE CALL PRIOR TO BEGINNING ANY EXCAVATION.
- THE ABANDONED ELECTRICAL FEEDER HAS BEEN SHOWN AS INDICATED ON SWBNO DRAWING NO. 1336-P1. THERE IS NO INDICATION AS TO WHETHER THIS LINE HAS BEEN ABANDONED IN PLACE OR REMOVED. REFERENCE DRAWINGS FOR UNDERGROUND ELECTRICAL FEEDERS HAVE BEEN INCLUDED IN THESE DRAWINGS FOR INFORMATIONAL PURPOSES ONLY. THE CONTRACTOR SHALL COORDINATE ALL WORK IN THE VICINITY OF THE ELECTRICAL FEEDERS WITH SWBNO AND LOCATE ALL UTILITIES, INCLUDING UNDERGROUND ELECTRICAL FEEDERS, PRIOR TO COMMENCING WORK.
- PRIOR TO BEGINNING CONSTRUCTION, THE CONTRACTOR SHALL INSTALL TEMPORARY EROSION CONTROL AT PROPERTY LINES ALONG THE SITE. SEE SECTION 3 OF THE SPECIFICATIONS FOR TEMPORARY EROSION CONTROL REQUIREMENTS.

LEGEND

- ⊛ Light Pole
- ⊙ Power Pole
- ← Guy Anchor
- ⊕ Drain Manhole
- ⊙ Sanitary Sewer Manhole
- ⊕ Station Tower
- ⊕ Survey Baseline Point
- ⊕ Sign
- ⊕ Water Meter
- ⊕ Fire Hydrant
- ⊕ Bollard
- ⊕ Elevation Shot
- ⊕ 36" Grate (Elect.)
- x — x — x — Existing Fence
- DHE — Overhead Power Line
- SS — Sanitary Sewer Line
- D — D — D — Storm Drain Line
- UGE — Underground Electric
- W6" — Water Line
- REQ'D TEMPORARY EROSION CONTROL
- ▨ REQ'D REMOVAL OF FENCE, SIDEWALKS, CURB, ETC.
- ▨ REQ'D REMOVAL & REPLACEMENT OF ROADWAY PAVEMENT & BASE



DETAIL B
STATION 50+00.00 NTS



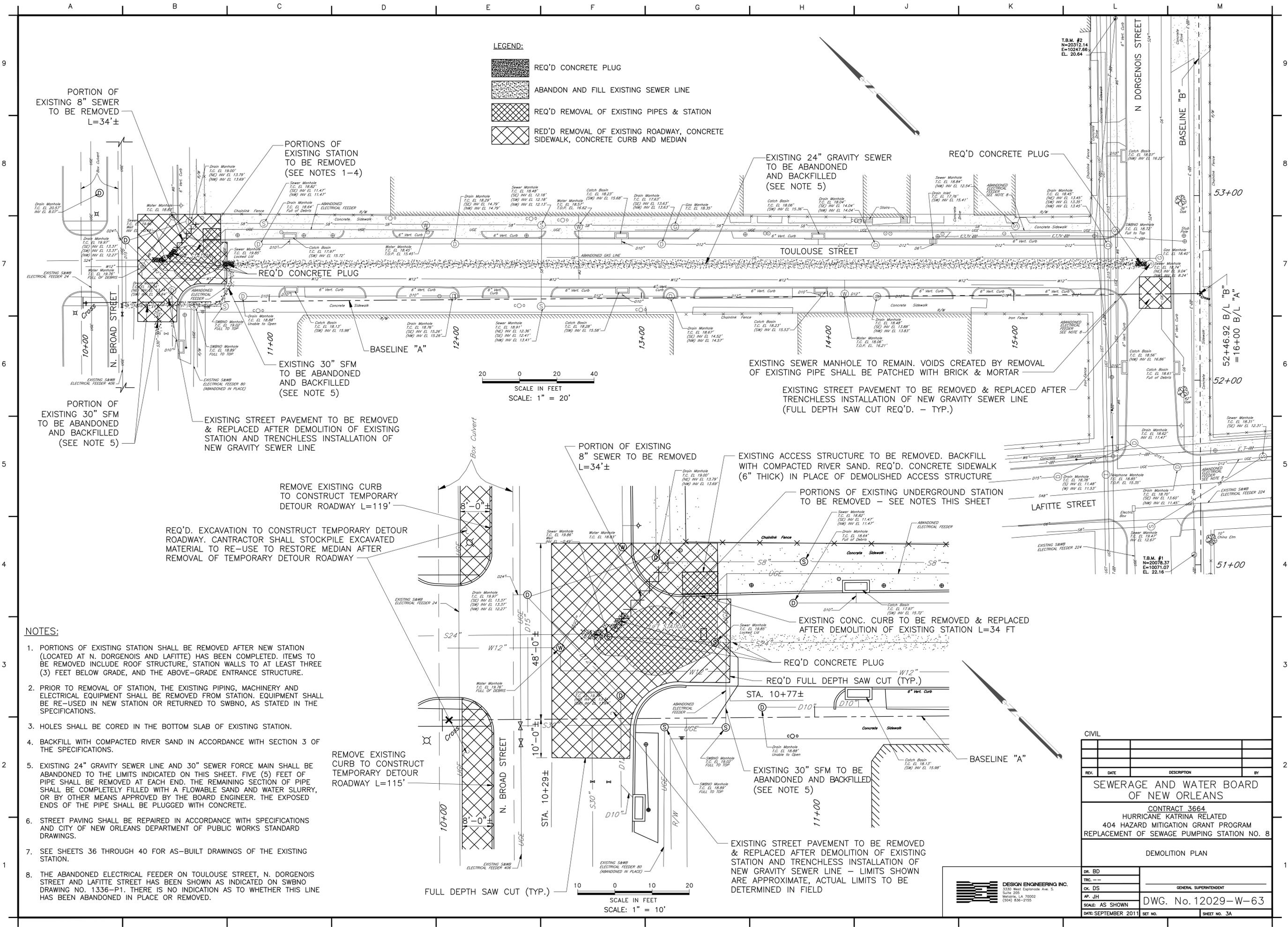
CIVIL			
REV.	DATE	DESCRIPTION	BY
SEWERAGE AND WATER BOARD OF NEW ORLEANS			
CONTRACT 3664 HURRICANE KATRINA RELATED 404 HAZARD MITIGATION GRANT PROGRAM REPLACEMENT OF SEWAGE PUMPING STATION NO. 8			
SITE PLAN - EXISTING CONDITIONS AND DEMOLITION AT NEW SITE			
DR. TH/BD			
TRC. --			
CK. DS/CW	GENERAL SUPERINTENDENT		
AP. JH	DWG. No. 12029-W-63		
SCALE: AS NOTED	DATE: SEPTEMBER 2011	SET NO.	SHEET NO. 3

DESIGN ENGINEERING INC.
3330 West Esplanade Ave. S.
Suite 205
Metairie, LA 70002
(504) 836-2155

PRINTED Sep 15, 2011 1:08pm FILENAME - j:\6005.1-FINAL REVISED\Contract 3664 - SPS No. 8\SH3_3A_NO_8_DEMOLITION.dwg

LEGEND:

- REQ'D CONCRETE PLUG
- ABANDON AND FILL EXISTING SEWER LINE
- REQ'D REMOVAL OF EXISTING PIPES & STATION
- REQ'D REMOVAL OF EXISTING ROADWAY, CONCRETE SIDEWALK, CONCRETE CURB AND MEDIAN



PORTION OF EXISTING 8" SEWER TO BE REMOVED L=34'±

PORTIONS OF EXISTING STATION TO BE REMOVED (SEE NOTES 1-4)

EXISTING 24" GRAVITY SEWER TO BE ABANDONED AND BACKFILLED (SEE NOTE 5)

REQ'D CONCRETE PLUG

REQ'D CONCRETE PLUG

EXISTING 30" SFM TO BE ABANDONED AND BACKFILLED (SEE NOTE 5)

EXISTING SEWER MANHOLE TO REMAIN. VOIDS CREATED BY REMOVAL OF EXISTING PIPE SHALL BE PATCHED WITH BRICK & MORTAR

EXISTING STREET PAVEMENT TO BE REMOVED & REPLACED AFTER TRENCHLESS INSTALLATION OF NEW GRAVITY SEWER LINE (FULL DEPTH SAW CUT REQ'D. - TYP.)

PORTION OF EXISTING 30" SFM TO BE ABANDONED AND BACKFILLED (SEE NOTE 5)

EXISTING STREET PAVEMENT TO BE REMOVED & REPLACED AFTER DEMOLITION OF EXISTING STATION AND TRENCHLESS INSTALLATION OF NEW GRAVITY SEWER LINE

REMOVE EXISTING CURB TO CONSTRUCT TEMPORARY DETOUR ROADWAY L=119'

REQ'D. EXCAVATION TO CONSTRUCT TEMPORARY DETOUR ROADWAY. CONTRACTOR SHALL STOCKPILE EXCAVATED MATERIAL TO RE-USE TO RESTORE MEDIAN AFTER REMOVAL OF TEMPORARY DETOUR ROADWAY

PORTION OF EXISTING 8" SEWER TO BE REMOVED L=34'±

EXISTING ACCESS STRUCTURE TO BE REMOVED. BACKFILL WITH COMPACTED RIVER SAND. REQ'D. CONCRETE SIDEWALK (6" THICK) IN PLACE OF DEMOLISHED ACCESS STRUCTURE

PORTIONS OF EXISTING UNDERGROUND STATION TO BE REMOVED - SEE NOTES THIS SHEET

EXISTING CONC. CURB TO BE REMOVED & REPLACED AFTER DEMOLITION OF EXISTING STATION L=34 FT

NOTES:

1. PORTIONS OF EXISTING STATION SHALL BE REMOVED AFTER NEW STATION (LOCATED AT N. DORGENOIS AND LAFITTE) HAS BEEN COMPLETED. ITEMS TO BE REMOVED INCLUDE ROOF STRUCTURE, STATION WALLS TO AT LEAST THREE (3) FEET BELOW GRADE, AND THE ABOVE-GRADE ENTRANCE STRUCTURE.
2. PRIOR TO REMOVAL OF STATION, THE EXISTING PIPING, MACHINERY AND ELECTRICAL EQUIPMENT SHALL BE REMOVED FROM STATION. EQUIPMENT SHALL BE RE-USED IN NEW STATION OR RETURNED TO SWBNO, AS STATED IN THE SPECIFICATIONS.
3. HOLES SHALL BE CORED IN THE BOTTOM SLAB OF EXISTING STATION.
4. BACKFILL WITH COMPACTED RIVER SAND IN ACCORDANCE WITH SECTION 3 OF THE SPECIFICATIONS.
5. EXISTING 24" GRAVITY SEWER LINE AND 30" SEWER FORCE MAIN SHALL BE ABANDONED TO THE LIMITS INDICATED ON THIS SHEET. FIVE (5) FEET OF PIPE SHALL BE COMPLETELY FILLED WITH A FLOWABLE SAND AND WATER SLURRY, OR BY OTHER MEANS APPROVED BY THE BOARD ENGINEER. THE EXPOSED ENDS OF THE PIPE SHALL BE PLUGGED WITH CONCRETE.
6. STREET PAVING SHALL BE REPAIRED IN ACCORDANCE WITH SPECIFICATIONS AND CITY OF NEW ORLEANS DEPARTMENT OF PUBLIC WORKS STANDARD DRAWINGS.
7. SEE SHEETS 36 THROUGH 40 FOR AS-BUILT DRAWINGS OF THE EXISTING STATION.
8. THE ABANDONED ELECTRICAL FEEDER ON TOULOUSE STREET, N. DORGENOIS STREET AND LAFITTE STREET HAS BEEN SHOWN AS INDICATED ON SWBNO DRAWING NO. 1336-P1. THERE IS NO INDICATION AS TO WHETHER THIS LINE HAS BEEN ABANDONED IN PLACE OR REMOVED.

REMOVE EXISTING CURB TO CONSTRUCT TEMPORARY DETOUR ROADWAY L=115'

EXISTING 30" SFM TO BE ABANDONED AND BACKFILLED (SEE NOTE 5)

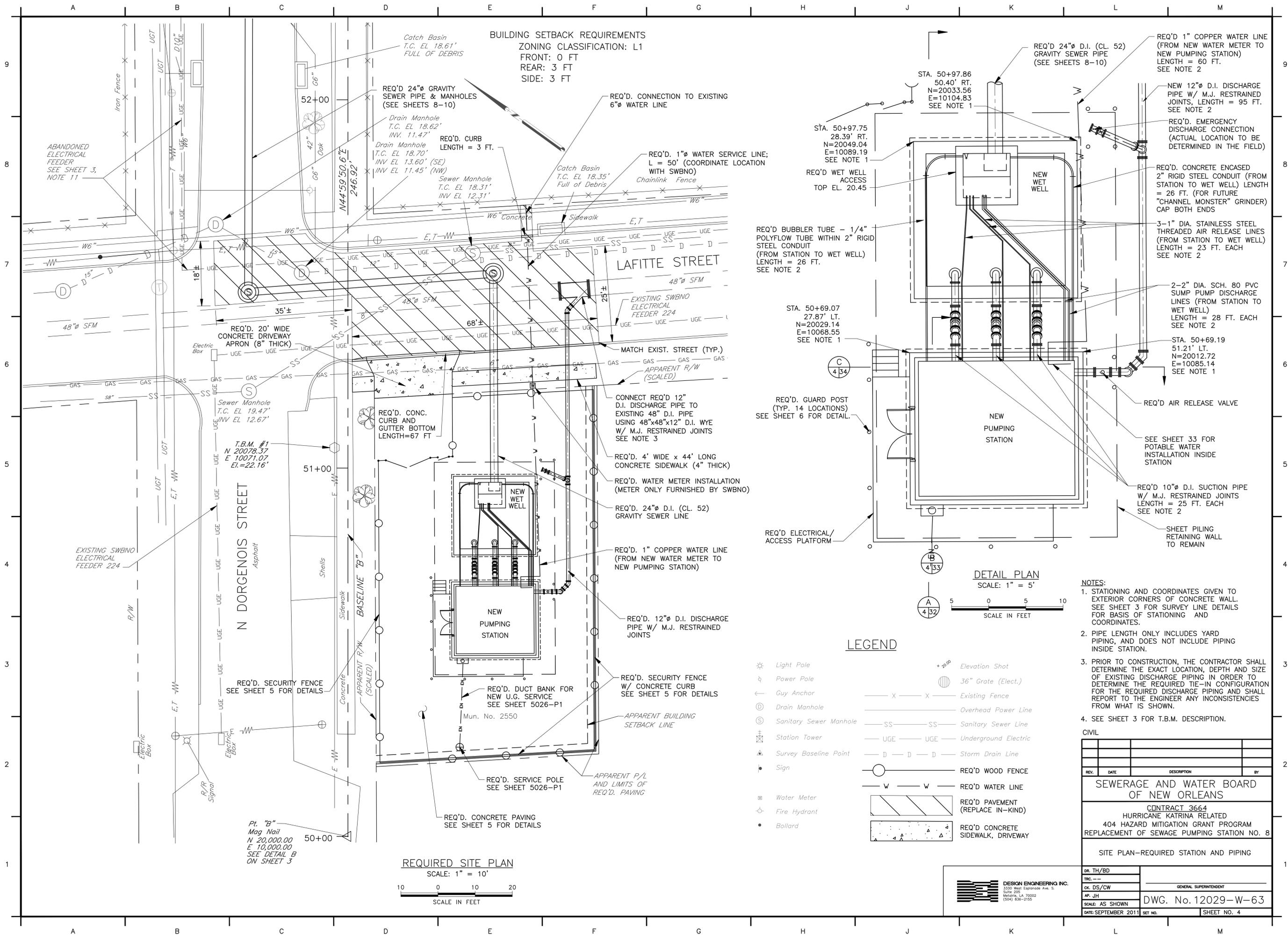
EXISTING STREET PAVEMENT TO BE REMOVED & REPLACED AFTER DEMOLITION OF EXISTING STATION AND TRENCHLESS INSTALLATION OF NEW GRAVITY SEWER LINE - LIMITS SHOWN ARE APPROXIMATE, ACTUAL LIMITS TO BE DETERMINED IN FIELD

FULL DEPTH SAW CUT (TYP.)

SCALE IN FEET
SCALE: 1" = 10'

CIVIL			
REV.	DATE	DESCRIPTION	BY
SEWERAGE AND WATER BOARD OF NEW ORLEANS			
CONTRACT 3664 HURRICANE KATRINA RELATED 404 HAZARD MITIGATION GRANT PROGRAM REPLACEMENT OF SEWAGE PUMPING STATION NO. 8			
DEMOLITION PLAN			
DR. BD	GENERAL SUPERINTENDENT		
TRC. --			
CK. DS			
AP. JH	DWG. No. 12029-W-63		
SCALE: AS SHOWN			
DATE: SEPTEMBER 2011	SET NO.	SHEET NO. 3A	

DESIGN ENGINEERING INC.
3310 Metairie Ave. S.
Suite 200
Metairie, LA 70002
(504) 836-2155



REQUIRED SITE PLAN
SCALE: 1" = 10'

DETAIL PLAN
SCALE: 1" = 5'

LEGEND

- ☼ Light Pole
- ⚡ Power Pole
- ← Guy Anchor
- ⊙ Drain Manhole
- ⊙ Sanitary Sewer Manhole
- ⊙ Station Tower
- ⊙ Survey Baseline Point
- ⊙ Sign
- ⊙ Water Meter
- ⊙ Fire Hydrant
- ⊙ Bollard
- + 25.00 Elevation Shot
- ⊙ 36" Grate (Elect.)
- X --- Existing Fence
- SS --- Sanitary Sewer Line
- UGE --- Underground Electric
- D --- Storm Drain Line
- W --- REQ'D WOOD FENCE
- W --- REQ'D WATER LINE
- REQ'D PAVEMENT (REPLACE IN-KIND)
- REQ'D CONCRETE SIDEWALK, DRIVEWAY

- NOTES:**
- STATIONING AND COORDINATES GIVEN TO EXTERIOR CORNERS OF CONCRETE WALL. SEE SHEET 3 FOR SURVEY LINE DETAILS FOR BASIS OF STATIONING AND COORDINATES.
 - PIPE LENGTH ONLY INCLUDES YARD PIPING, AND DOES NOT INCLUDE PIPING INSIDE STATION.
 - PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION, DEPTH AND SIZE OF EXISTING DISCHARGE PIPING IN ORDER TO DETERMINE THE REQUIRED TIE-IN CONFIGURATION FOR THE REQUIRED DISCHARGE PIPING AND SHALL REPORT TO THE ENGINEER ANY INCONSISTENCIES FROM WHAT IS SHOWN.
 - SEE SHEET 3 FOR T.B.M. DESCRIPTION.

CIVIL			
REV.	DATE	DESCRIPTION	BY
SEWERAGE AND WATER BOARD OF NEW ORLEANS			
CONTRACT 3664 HURRICANE KATRINA RELATED 404 HAZARD MITIGATION GRANT PROGRAM REPLACEMENT OF SEWAGE PUMPING STATION NO. 8			
SITE PLAN-REQUIRED STATION AND PIPING			
DR. TH/BD	GENERAL SUPERINTENDENT		
TRC. ---	DWG. No. 12029-W-63		
CK. DS/CW	SHEET NO. 4		
AP. JH	DATE: SEPTEMBER 2011		
SCALE: AS SHOWN	SET NO.		



A B C D E F G H J K L M

9
8
7
6
5
4
3
2
1



TRAFFIC CONTROL NOTES:

1. PARKING SHALL BE RESTRICTED AS INDICATED ON THIS SHEET AND AS FOLLOWS:
 - ALONG NORTH BROAD STREET: DURING DEMOLITION OF EXISTING STATION, TRENCHLESS INSTALLATION OF NEW GRAVITY SEWER AND STREET PAVEMENT OPERATIONS, 50 FT WEST AND 50 FT EAST OF CENTERLINE OF TOULOUSE STREET.
2. STREET CLOSURES WILL BE PERMITTED AS INDICATED ON THIS SHEET AND AS FOLLOWS:
 - TWO (2) EASTERN MOST LANES OF NORTH BROAD STREET NORTHBOUND: DURING DEMOLITION OF EXISTING STATION, TRENCHLESS INSTALLATION OF NEW GRAVITY SEWER LINE AT WEST END OF TOULOUSE STREET, AND STREET PAVEMENT OPERATIONS. NOTE: DURING CLOSURE OF THESE LANES, THE CONTRACTOR SHALL CONSTRUCT A TEMPORARY DETOUR ROADWAY BY SHIFTING THE TRAVEL LANES INTO THE EXISTING MEDIAN TO MAINTAIN TWO (2) TRAVEL LANES OPEN AT ALL TIMES. SEE SHEET 4B.
 - TOULOUSE STREET AT NORTH BROAD STREET: DURING DEMOLITION OF EXISTING STATION AND TRENCHLESS INSTALLATION OF NEW GRAVITY SEWER LINE AT WEST END OF TOULOUSE STREET.
 - NORTH DORGENOIS STREET: DURING TRENCHLESS INSTALLATION OF NEW GRAVITY SEWER LINE.
 - LAFITTE STREET: DURING OPEN-CUT INSTALLATION OF NEW GRAVITY SEWER LINE.
3. DURING STREET CLOSURES, THE CONTRACTOR SHALL PROVIDE SIGNAGE AND FLAGMEN IN ACCORDANCE WITH THE CITY OF NEW ORLEANS DEPARTMENT OF PUBLIC WORKS (CNO-DPW) STANDARD DRAWINGS AND THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).
4. ALL WORK SHALL BE SCHEDULED TO MINIMIZE THE CLOSURE OF STREETS. THE CONTRACTOR SHALL SUBMIT A DETAILED SCHEDULE FOR REVIEW AND APPROVAL BY THE OWNER AND CNO-DPW. THE SCHEDULE SHALL INCLUDE THE ANTICIPATED IMPACT ON STREETS IN THE VICINITY OF THE PROPOSED CONSTRUCTION.
5. THE CONTRACTOR SHALL SUBMIT FOR REVIEW AND APPROVAL BY THE OWNER AND CNO-DPW A TRAFFIC CONTROL AND SIGNING PLAN INDICATING THE PROPOSED TRAVEL ROUTE FOR LARGE DELIVERY VEHICLES. TEMPORARY STREET CLOSURES WILL BE PERMITTED ON A LIMITED BASIS AS REQUIRED FOR DELIVERY BY LARGE VEHICLES. THE PLAN SHALL INDICATE THE ANTICIPATED EFFECT OF THE DELIVERIES TO PARKING ALONG THE LOCAL STREETS OF THE DELIVERY ROUTE. THE CONTRACTOR SHALL PROVIDE ADVANCE WARNING BY SIGNAGE AND FLAGMEN DURING SUCH TEMPORARY STREET CLOSURES IN ACCORDANCE WITH CNO-DPW STANDARD DRAWINGS AND MUTCD. THE PLAN SHALL ADDRESS WARNING METHODS THE CONTRACTOR PROPOSES TO EMPLOY.
2. THE CONTRACTOR SHALL NOTIFY THE OWNER AND CNO-DPW AT LEAST FIVE (5) WORKING DAYS IN ADVANCE OF ANY TEMPORARY STREET CLOSURES. CNO-DPW CONTACT: LOUIS HAYWOOD, 504-658-8040
3. PRIOR TO BEGINNING CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY, IN WRITING, ALL PROPERTY OWNERS ALONG THE LOCAL STREETS OF THE DELIVERY ROUTE OF POSSIBLE STREET CLOSURES AND PARKING RESTRICTIONS.
4. SHOULD ADDITIONAL AREAS OF RESTRICTED PARKING BE REQUIRED, THE CONTRACTOR SHALL PROVIDE THE OWNER AND CNO-DPW WITH A PLAN FOR REVIEW AND APPROVAL INDICATING THE ADDITIONAL AREAS THAT WILL BE AFFECTED. THE CONTRACTOR SHALL FURNISH THE REQUIRED PLAN AT LEAST FOUR (4) WEEKS IN ADVANCE.

LEGEND:

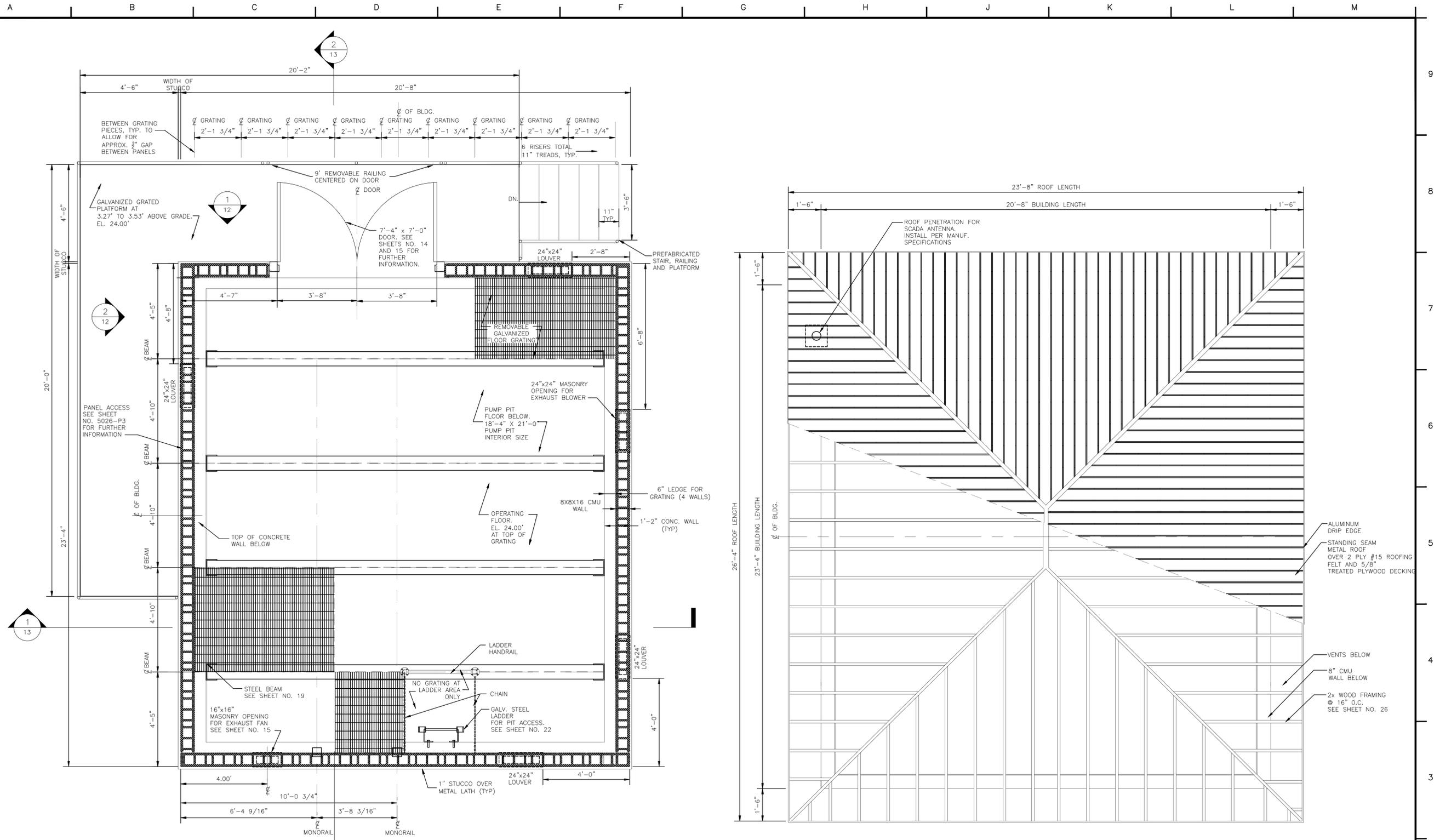
- CNO-DPW DEPARTMENT OF PUBLIC WORKS OF NEW ORLEANS
- MUTCD MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES
- PERMITTED TEMPORARY RESTRICTED PARKING
- PERMITTED TEMPORARY STREET CLOSURE

REV.	DATE	DESCRIPTION			BY					
SEWERAGE AND WATER BOARD OF NEW ORLEANS										
CONTRACT 3664 HURRICANE KATRINA RELATED 404 HAZARD MITIGATION GRANT PROGRAM REPLACEMENT OF SEWAGE LIFT STATION NO. 8										
TRAFFIC CONTROL										
DR. TH/BD										
TRC. --										
CK. DS/CW		GENERAL SUPERINTENDENT								
AP. JH		DWG. No. 12026-W-63								
SCALE: NONE										
DATE: SEPTEMBER 2011		SET NO.		SHEET NO. 4A						

DESIGN ENGINEERING INC.
3330 West Esplanade Ave. S.
Suite 205
Metairie, LA 70002
(504) 836-2150

A B C D E F G H J K L M

PRINTED Sep 15, 2011 1:42pm FILENAME - J:\6005.1-FINAL REVISED\Contract 3664 - SPS No. 8\ARCHITECTURAL\SH11_NO 8_ARCH FRAME.dwg



1 OPERATING FLOOR / ARCHITECTURAL FRAMING PLAN
1/2" = 1'-0"

NOTE: REMOVABLE FLOOR GRATING TO BE INSTALLED OVER ENTIRE OPERATING FLOOR EXCEPT AT LADDER ACCESS. TYPICAL GRATING PANELS SIZE VARIES AT THIS PUMP STATION

2 COMBINED ROOF AND FRAMING PLAN
1/2" = 1'-0"

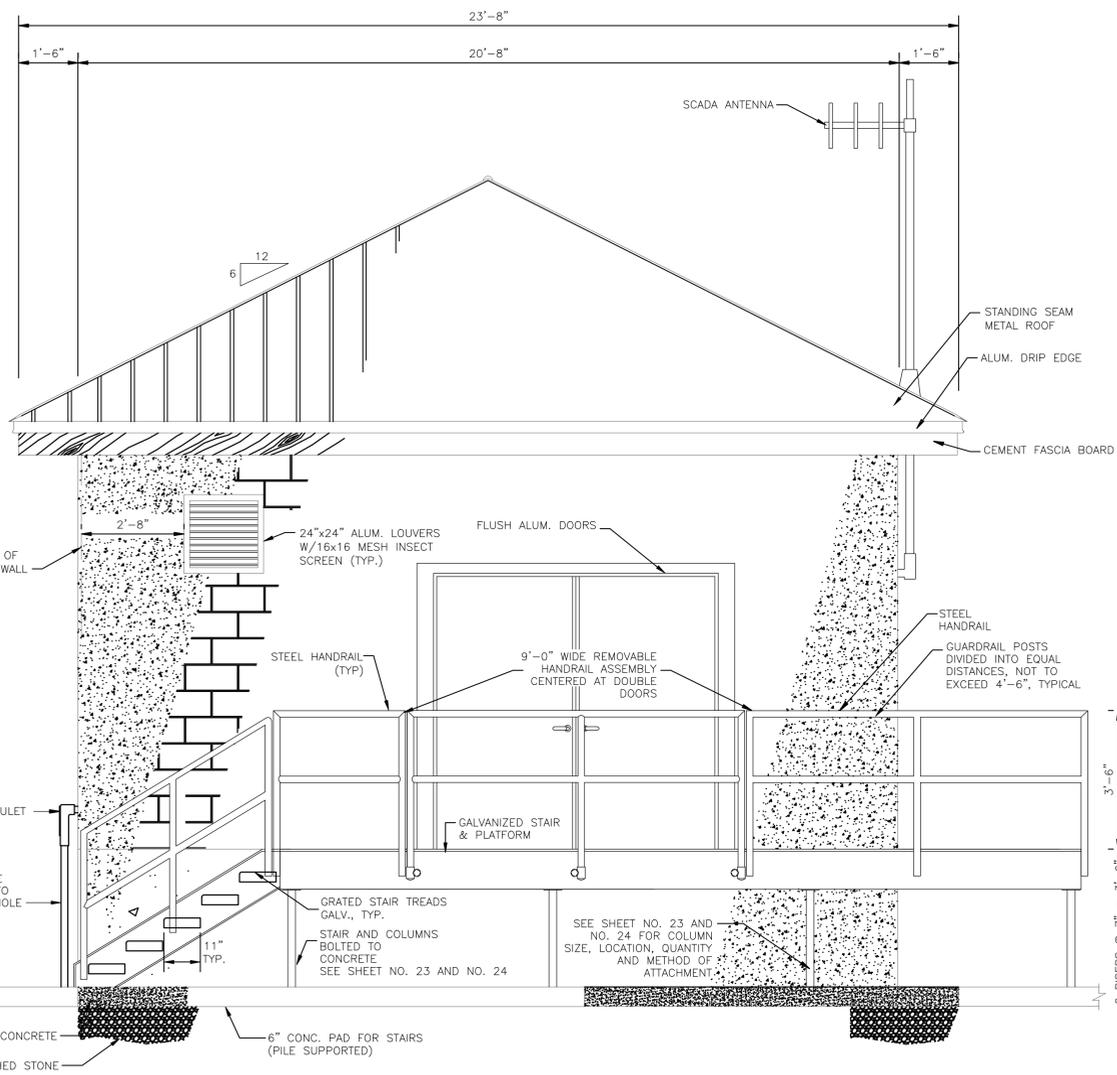
ARCHITECTURAL

REV.	DATE	DESCRIPTION	BY
SEWERAGE AND WATER BOARD OF NEW ORLEANS			
CONTRACT 3664 HURRICANE KATRINA RELATED 404 HAZARD MITIGATION GRANT PROGRAM REPLACEMENT OF SEWAGE PUMPING STATION NO. 8			
FLOOR FRAMING AND ROOF PLANS			
DR. JW			
TRC. ---			
CK. DW	GENERAL SUPERINTENDENT		
AP. DW	DWG. No. 12029-W-63		
SCALE: AS NOTED	DATE: SEPTEMBER 2011	SET NO.	SHEET NO. 11

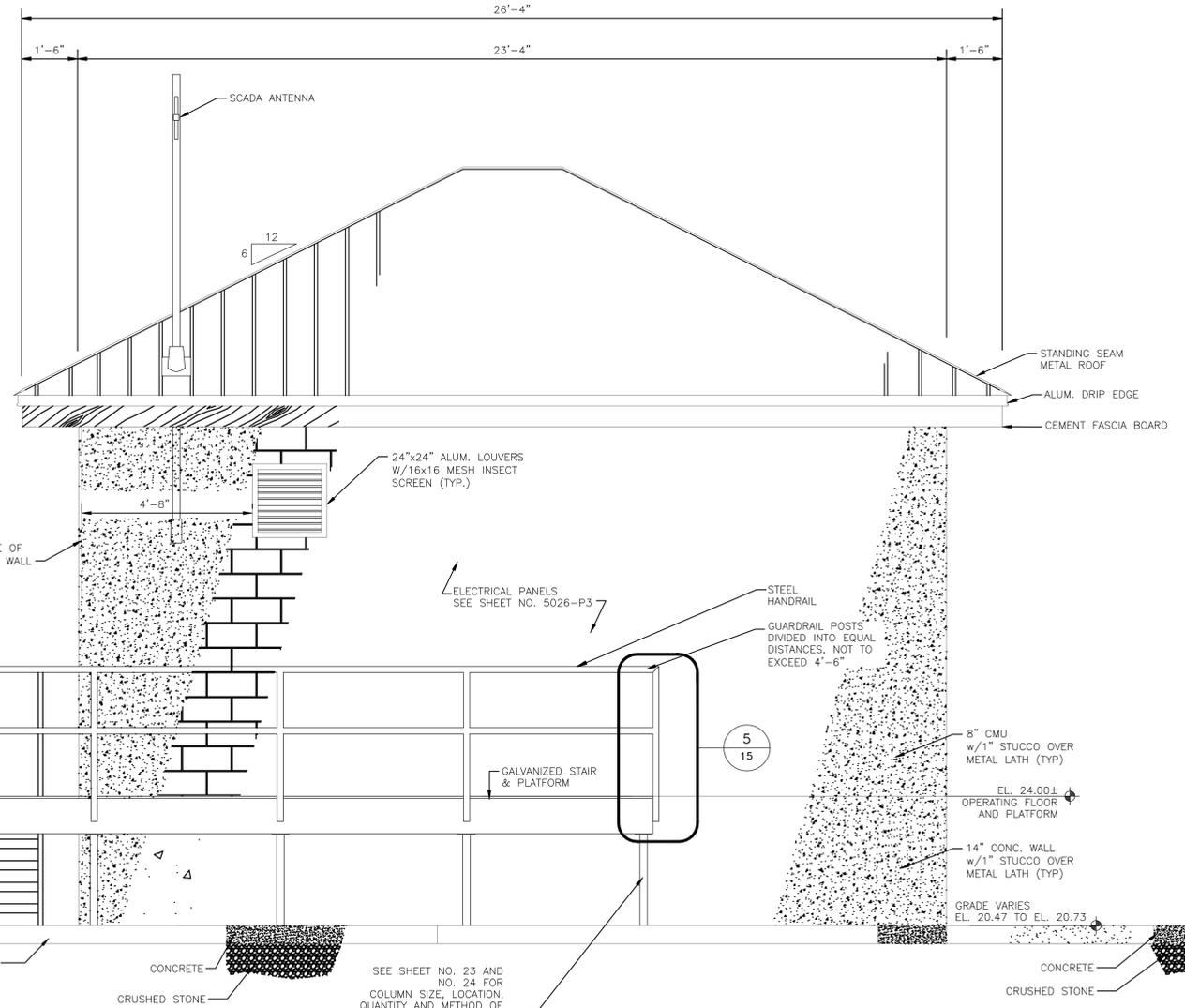
PRINTED Sep 15, 2011 - 2:12pm FILENAME - j:\6005.1-FINAL REVISED\Contract 3664 - SPS No. 8\ARCHITECTURAL\SH12_NO 8_BLDG EL (2).dwg

A B C D E F G H J K L M

9
8
7
6
5
4
3
2
1



1 NORTHWEST ELEVATION
1/2" = 1'-0"



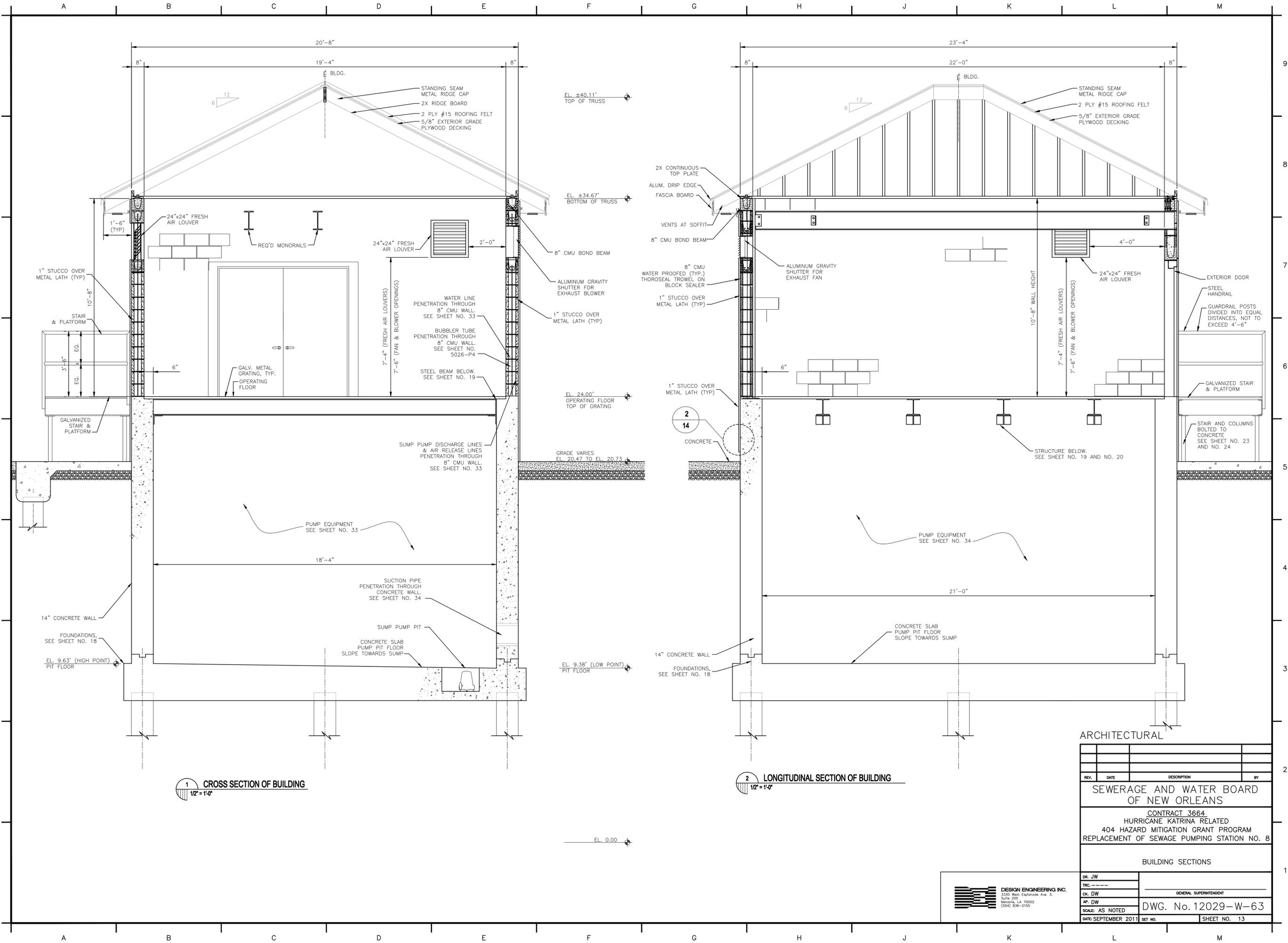
2 SOUTHWEST ELEVATION
1/2" = 1'-0"

ARCHITECTURAL			
REV.	DATE	DESCRIPTION	BY
SEWERAGE AND WATER BOARD OF NEW ORLEANS			
CONTRACT 3664 HURRICANE KATRINA RELATED 404 HAZARD MITIGATION GRANT PROGRAM REPLACEMENT OF SEWAGE PUMPING STATION NO. 8			
BUILDING ELEVATIONS			
DR. JW	GENERAL SUPERINTENDENT		
TRC. ---			
CK. DW			
AP. DW	DWG. No. 12029-W-63		
SCALE: AS NOTED	DATE: SEPTEMBER 2011	SET NO.	SHEET NO. 12

DESIGN ENGINEERING INC.
3330 West Esplanade Ave. 5
Suite 205
Metairie, LA 70002
(504) 836-2155

A B C D E F G H J K L M

PRINTED Sep 21, 2011 6:43am FILENAME - j:\6005.1-FINAL REVISED\Contract 3664 - SPS No. 8\ARCHITECTURAL\SH13_NO 8_BLDG_SEC.dwg



1 CROSS SECTION OF BUILDING
1/2" = 1'-0"

2 LONGITUDINAL SECTION OF BUILDING
1/2" = 1'-0"

ARCHITECTURAL

REV.	DATE	DESCRIPTION	BY

SEWERAGE AND WATER BOARD OF NEW ORLEANS

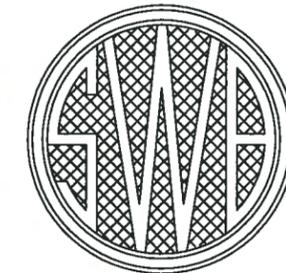
CONTRACT 3664
HURRICANE KATRINA RELATED
404 HAZARD MITIGATION GRANT PROGRAM
REPLACEMENT OF SEWAGE PUMPING STATION NO. 8

BUILDING SECTIONS

DR. JW	
TRC. ---	
CK. DW	GENERAL SUPERINTENDENT
AP. DW	
SCALE: AS NOTED	DWG. No. 12029-W-63
DATE: SEPTEMBER 2011	SHEET NO. 13

DESIGN ENGINEERING INC.
3330 West Esplanade Ave. 5
Suite 205
Metairie, LA 70002
(504) 836-2155

SEWERAGE AND WATER BOARD OF NEW ORLEANS



CONTRACT No. 3663 HURRICANE KATRINA RELATED 404 HAZARD MITIGATION GRANT PROGRAM REPLACEMENT OF BULLARD SEWAGE PUMPING STATION

DRAWING INDEX

SHEET No.	DRAWING No.	Discipline	TITLE	SHEET No.	DRAWING No.	Discipline	TITLE
1	12028-W-63	GENERAL	TITLE SHEET	27	12028-W-63	MECHANICAL	LONGITUDINAL SECTION
2	12028-W-63	GENERAL	LOCATION MAP/GENERAL NOTES	28	12028-W-63	MECHANICAL	PIPING CROSS SECTION THROUGH STATION AND MISCELLANEOUS DETAILS
3	12028-W-63	CIVIL	SITE PLAN - EXISTING CONDITIONS AND DEMOLITION	29	12028-W-63	MECHANICAL	REHABILITATION AND DETAILS FOR WET WELL
4	12028-W-63	CIVIL	SITE PLAN - REQUIRED STATION & PIPING	30	12028-W-63	---	REFERENCE DRAWING
5	12028-W-63	CIVIL	SITE PAVING AND FENCING PLAN	31	12028-W-63	---	REFERENCE DRAWING
5A	12028-W-63	CIVIL	FENCING DETAILS	32	12028-W-63	---	REFERENCE DRAWING
6	12028-W-63	CIVIL	MISCELLANEOUS SITEWORK DETAILS	33	12028-W-63	---	REFERENCE DRAWING
7	12028-W-63	CIVIL	SEWER NOTES	34	5025-P1	ELECTRICAL	ELECTRICAL - REQUIRED SITE PLAN
8	12028-W-63	ARCHITECTURAL	FLOOR FRAMING AND ROOF PLANS	35	5025-P2	ELECTRICAL	ELEMENTARY, PNEUMATIC, CONTROL AND ONE LINE DIAGRAMS
9	12028-W-63	ARCHITECTURAL	BUILDING ELEVATIONS	36	5025-P3	ELECTRICAL	ELECTRICAL FLOOR PLAN, EXTERIOR WALL ELEVATIONS AND DETAILS
10	12028-W-63	ARCHITECTURAL	BUILDING SECTIONS	37	5025-P4	ELECTRICAL	ELECTRICAL INTERIOR WALL ELEVATIONS AND DETAILS
11	12028-W-63	ARCHITECTURAL	ARCHITECTURAL DETAILS	38	5025-P5	ELECTRICAL	AUTOMATION CONTROL PANEL FABRICATION AND WIRING
12	12028-W-63	ARCHITECTURAL	ARCHITECTURAL DETAILS	39	5025-P6	ELECTRICAL	SCADA PANEL RISER DIAGRAM AND DETAILS
13	12028-W-63	STRUCTURAL	BORING LOGS				
14	12028-W-63	STRUCTURAL	STRUCTURAL NOTES				
15	12028-W-63	STRUCTURAL	FOUNDATION PLAN AND DETAILS				
16	12028-W-63	STRUCTURAL	OPERATING FLOOR FRAMING AND GRATING PLAN				
17	12028-W-63	STRUCTURAL	CEILING LEVEL FRAMING AND ROOF PLAN				
18	12028-W-63	STRUCTURAL	FRAMING SECTION AND DETAILS - 1				
19	12028-W-63	STRUCTURAL	FRAMING SECTION AND DETAILS - 2				
20	12028-W-63	STRUCTURAL	PLATFORM AND STAIR FRAMING PLAN				
21	12028-W-63	STRUCTURAL	STAIR DETAILS AND SECTIONS				
22	12028-W-63	STRUCTURAL	LADDER DETAILS				
23	12028-W-63	STRUCTURAL	ROOF SECTION AND DETAILS				
24	12028-W-63	STRUCTURAL	PPC PILE AND MISCELLANEOUS DETAILS				
25	12028-W-63	MECHANICAL	MECHANICAL EQUIPMENT LAYOUT PLAN				
26	12028-W-63	MECHANICAL	PIPING CROSS SECTION THROUGH STATION AND WET WELL				



VICINITY MAP
AREA MAP NO SCALE

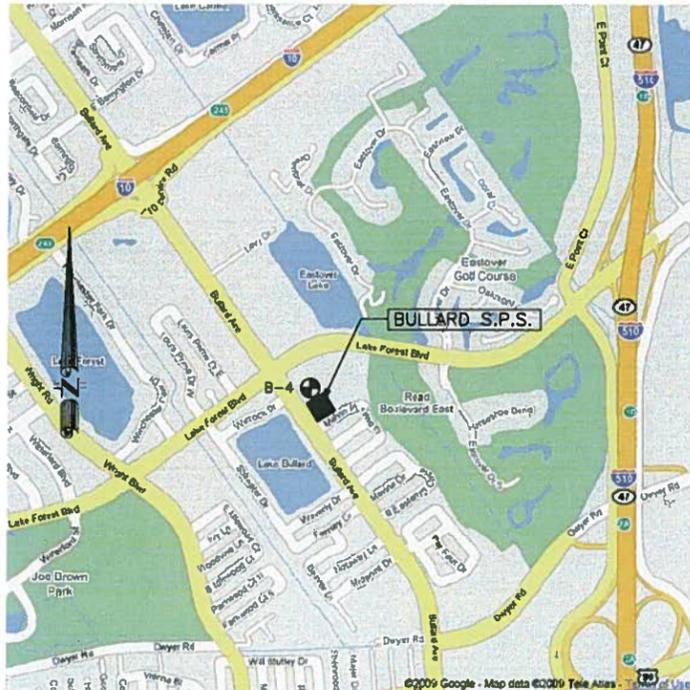
FINAL PLANS
THESE DOCUMENTS ARE NOT TO BE USED FOR CONSTRUCTION, BIDDING, RECORDATION, CONVEYANCE, SALES, OR AS THE BASIS FOR THE ISSUANCE OF A PERMIT.
John Holtgreve, P.E. 16383
PROFESSIONAL ENGINEER LICENSE NO.
3-31-11

FINAL SUBMITTAL
MARCH 2011
NOT FOR CONSTRUCTION
DESIGN ENGINEERING INC.
3330 West Esplanade Ave. E.
Suite 200
Metairie, LA 70002
(504) 835-2155

REV.	DATE	DESCRIPTION	BY
SEWERAGE AND WATER BOARD OF NEW ORLEANS			
CONTRACT 3663 HURRICANE KATRINA RELATED 404 HAZARD MITIGATION GRANT PROGRAM REPLACEMENT OF BULLARD SEWAGE PUMPING STATION			
TITLE SHEET			
DR. TH/BD			
TRC --			
CL OS/CW			
AP. JH			
SCALE AS SHOWN		DWG. No. 12028-W-63	
ISSUED: MARCH, 2011	REV. NO.		SHEET NO. 1



DESIGN ENGINEERING INC.
3330 West Esplanade Ave. E.
Suite 200
Metairie, LA 70002
(504) 835-2155



5501 BULLARD ROAD
LOCATION MAP - BULLARD S.P.S.

AREA MAP NO SCALE

GENERAL NOTES:

1. THE CONTRACTOR SHALL VISIT THE SITE AND FAMILIARIZE HIMSELF WITH EXISTING SITE CONDITIONS IN ORDER TO OBTAIN A FULL UNDERSTANDING OF WORK TO BE DONE.
2. PRIOR TO ANY DEMOLITION, CLEARING AND OR EXCAVATION (IF NEEDED), THE CONTRACTOR SHALL LOCATE ALL UNDERGROUND UTILITIES BY CALLING LOUISIANA ONE CALL AT 1-800-272-3020.
3. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY AND ALL DAMAGES CAUSED TO EXISTING STRUCTURES AND UTILITIES DURING CONSTRUCTION AT NO ADDITIONAL COST TO THE SWBNO.
4. CONTRACTOR SHALL CONTACT PROJECT MANAGER'S OFFICE IMMEDIATELY CONCERNING ANY CONFLICTS THAT ARISE DURING THE COURSE OF CONSTRUCTION ACTIVITIES.
5. THE CONTRACTOR SHALL PROVIDE TEMPORARY BY-PASS PUMPING AT ALL TIMES DURING CONSTRUCTION IN ACCORDANCE WITH SECTION 13 OF THE SPECIFICATIONS.
6. THE CONTRACTOR SHALL NOTIFY THE SWBNO IF THEY PLAN TO WORK ON A SWBNO HOLIDAY OR A WEEKEND DAY. THE SWBNO HAS THE FINAL AUTHORIZATION ON WORK PERFORMED THAT IS NOT ON REGULAR WORK DAYS.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE EXACT LOCATION, DEPTH, AND SIZE OF ALL UNDERGROUND UTILITIES AND STRUCTURES AND SHALL BE LIABLE FOR ANY DAMAGE CAUSED BY FAILURE TO COMPLY WITH THESE INSTRUCTIONS.
8. ALL WORK SHALL CONFORM TO THE CITY OF NEW ORLEANS DEPARTMENT OF PUBLIC WORKS, THE SEWERAGE AND WATER BOARD OF NEW ORLEANS(SWBNO), LOUISIANA DEPARTMENT OF PUBLIC HOSPITALS (DHH) AND OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) STANDARDS.
9. THE CONTRACTOR IS RESPONSIBLE FOR REMOVAL OF DIRT AND DEBRIS FROM THE STREETS, ROADWAYS AND PROJECT SITE GENERATED BY CONSTRUCTION ACTIVITIES.
10. THE CONTRACTOR IS RESPONSIBLE FOR REPAIRING ALL DAMAGE TO ADJACENT PAVEMENT AND FENCING WHICH RESULTS FROM THE CONTRACTOR'S CONSTRUCTION ACTIVITIES AT NO ADDITIONAL COST TO THE SWBNO.
11. CONTRACTOR SHALL CLEAN AND PAINT ALL EXPOSED SURFACES OF MECHANICAL EQUIPMENT, PIPING, PIPE SUPPORTS, AND OTHER ELEMENTS IN ACCORDANCE WITH SECTION 11 OF THE SPECIFICATIONS.
12. CONTRACTOR SHALL VERIFY PUMP STATION DIMENSIONS WITH EQUIPMENT MANUFACTURER'S SHOP DRAWINGS TO ENSURE PROPER FIT WITHIN THE STRUCTURE.
13. CONTRACTOR SHALL PROTECT ADJACENT PROPERTY AND IMPROVEMENTS FROM DAMAGE AND REPLACE ANY PORTIONS DAMAGED THROUGH HIS OPERATION AT HIS OWN EXPENSE. ALL REPAIR WORK SHALL BE TO THE SATISFACTION OF THE SWBNO.
14. CONTRACTOR SHALL RE-GRADE ALL AREAS ALTERED BY CONSTRUCTION ACTIVITIES TO PROVIDE POSITIVE DRAINAGE. ALL WORK SHALL BE IN A MANNER ACCEPTABLE TO THE SWBNO.
15. CONTRACTOR SHALL PROVIDE A MINIMUM OF 48 HOURS ADVANCE NOTICE TO THOSE AFFECTED BY CONSTRUCTION ACTIVITIES THAT MAY DISRUPT WATER, SEWER, OR OTHER UTILITY SERVICES. UTILITY SERVICES SHALL BE PROMPTLY REPAIRED AND SHALL NOT REMAIN OUT OF SERVICE OVERNIGHT.
16. CONTRACTOR SHALL AT ALL TIMES CONDUCT HIS OPERATION TO ENSURE MINIMAL INCONVENIENCE TO THE GENERAL PUBLIC, ADJACENT PROPERTY OWNERS, AND BUSINESSES. CONTRACTOR SHALL PROVIDE AND MAINTAIN ACCESS TO ALL PROPERTIES AND TRAFFIC FLOW IN ROADWAYS AT ALL TIMES.
17. ALL GRASS AREAS ALTERED SHALL BE SEEDED, FERTILIZED, WATERED, AND MAINTAINED BY THE CONTRACTOR UNTIL FINAL ACCEPTANCE OF THE PROJECT. CONTRACTOR SHALL WATER DAILY FROM SEEDING UNTIL 2 WEEKS AFTER GERMINATION.
18. THE CONTRACTOR SHALL CONTACT THE FOLLOWING ENTITIES AT LEAST FIVE (5) WORKING DAYS PRIOR TO BEGINNING CONSTRUCTION ACTIVITIES:

SEWERAGE AND WATER BOARD OF NEW ORLEANS

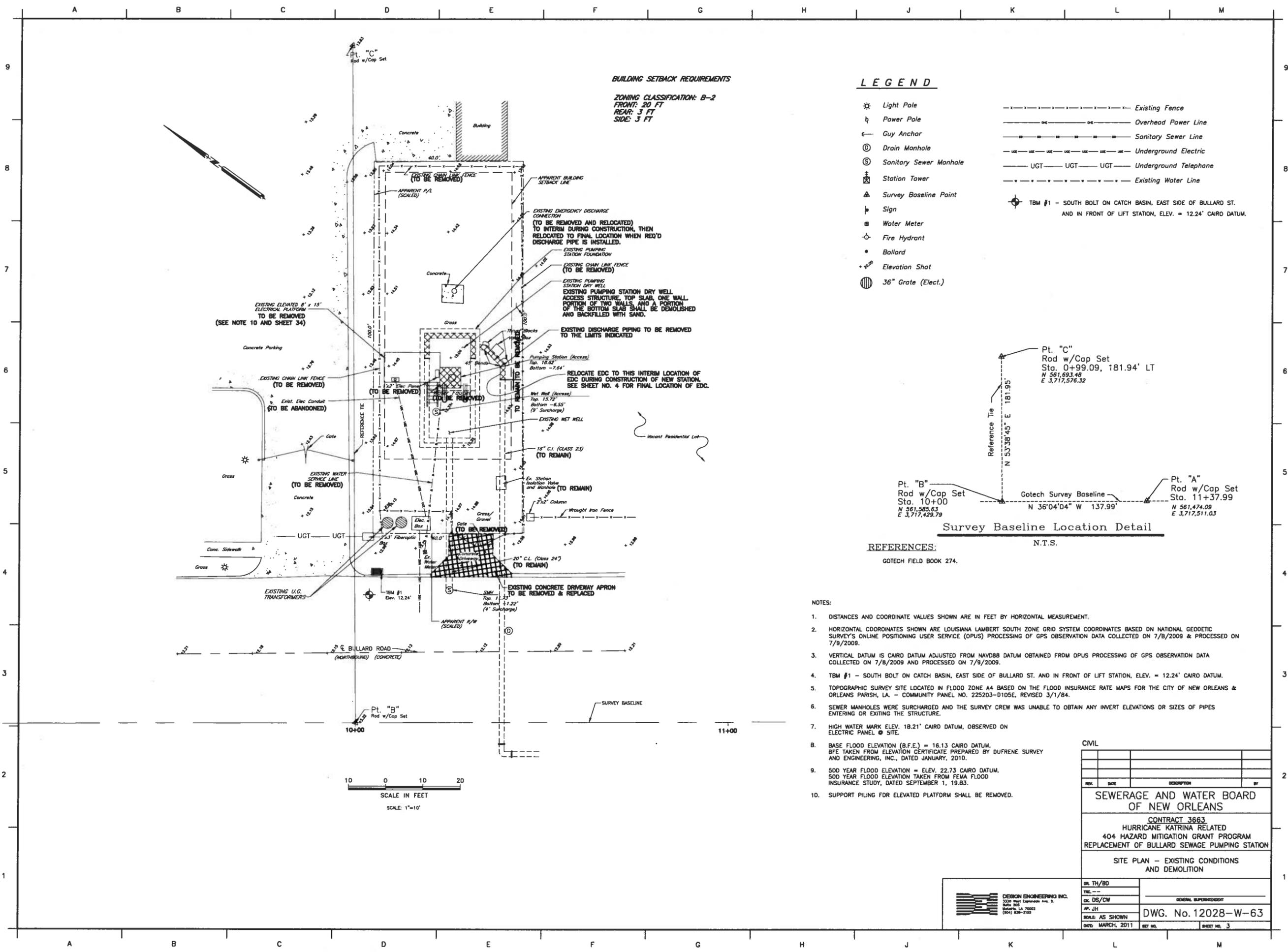
BKI: DENNIS GARRARD 504-486-5901

LOUISIANA ONE CALL - 1-800-272-3020
19. ALL MISCELLANEOUS METAL WORK, INCLUDING PIPE SUPPORTS AND BRACKETS TO BE INSTALLED WITHIN THE WET WELL SHALL BE MANUFACTURED ENTIRELY OF TYPE 316 STAINLESS STEEL. LIKEWISE, ALL FASTENERS, INCLUDING ANCHOR BOLTS INSTALLED WITHIN THE WET WELL SHALL BE MANUFACTURED OF STAINLESS STEEL. THREADS OF ALL STAINLESS STEEL FASTENERS SHALL BE TREATED WITH AN ANTI-SEIZE COMPOUND FORMULATED FOR USE WITH STAINLESS STEEL, SUCH AS "PURE NICKEL SPECIAL ANTI SEIZE COMPOUND", MANUFACTURED BY "NEVER-SEEZ", OR EQUAL.
20. COMPLETED INSTALLATION SHALL COMPLY WITH ALL APPLICABLE LAWS, LOCAL CODES, AND THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE.
21. ALL ELECTRICAL EQUIPMENT SHALL BE FURNISHED AND INSTALLED ACCORDING TO SECTION 15 OF THE SPECIFICATIONS.
22. NAMEPLATES SHOWING PERTINENT DATA SHALL BE INSTALLED ON ALL THE EQUIPMENT THAT IS INSTALLED BY THE CONTRACTOR.
23. TESTING SHALL BE PERFORMED BY QUALIFIED TESTING AGENCIES AND FIELD SERVICE COMPANIES AS NECESSARY TO AUGMENT THE CONTRACTOR'S OWN CAPABILITIES. TESTING AND REPORTING METHODS SHALL COMPLY WITH APPLICABLE CITY OF NEW ORLEANS STANDARDS. ALL TEST RESULTS SHALL BE PUBLISHED ON THE CONTRACTOR'S OR TESTING COMPANY'S LETTERHEAD OR TEST FORMS BEARING THE LEGAL NAME AND ADDRESS OF THE COMPANY.
24. THE NEW STRUCTURES SHOWN ARE TO BE TIED INTO EXISTING PIPING. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS SHOWN ON THE DRAWINGS THAT RELATE TO NEW WORK. THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY DISCREPANCIES PRIOR TO FABRICATION OR CONSTRUCTION.

REV.	DATE	DESCRIPTION	BY
SEWERAGE AND WATER BOARD OF NEW ORLEANS			
CONTRACT 3663 HURRICANE KATRINA RELATED 404 HAZARD MITIGATION GRANT PROGRAM REPLACEMENT OF BULLARD SEWAGE PUMPING STATION			
LOCATION MAP/GENERAL NOTES			
DR. TH/BO			
TEL. --			
DR. DS/CW			GENERAL SUPERINTENDENT
AP. JH			DWG. No. 12028-W-63
SCALE: NONE			
DATE: MARCH, 2011	REV. NO.		SHEET NO. 2

DESIGN ENGINEERING INC.
3330 West Esplanade Ave. E.
Suite 205
Metairie, LA 70002
(504) 834-2153

PRINTED Mar 30, 2011 - 11:14am FILENAME - J:\6005.1-FINAL\Contract 3663 - Bullard SPS\SH1_3_BUL_EXISTE.dwg



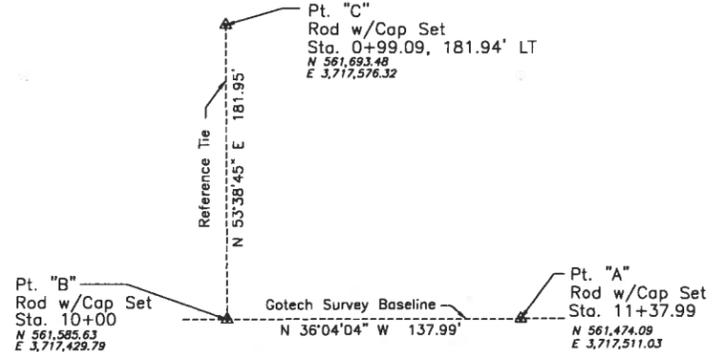
BUILDING SETBACK REQUIREMENTS

ZONING CLASSIFICATION: B-2
 FRONT: 20 FT
 REAR: 3 FT
 SIDE: 3 FT

LEGEND

- ⊛ Light Pole
- ⊙ Power Pole
- ⊙ Guy Anchor
- ⊙ Drain Manhole
- ⊙ Sanitary Sewer Manhole
- ⊙ Station Tower
- ⊙ Survey Baseline Point
- ⊙ Sign
- ⊙ Water Meter
- ⊙ Fire Hydrant
- ⊙ Ballard
- ⊙ Elevation Shot
- ⊙ 36" Grate (Elect.)
- Existing Fence
- Overhead Power Line
- Sanitary Sewer Line
- Underground Electric
- UGT
- Underground Telephone
- Existing Water Line

TBM #1 - SOUTH BOLT ON CATCH BASIN, EAST SIDE OF BULLARD ST. AND IN FRONT OF LIFT STATION, ELEV. = 12.24' CAIRO DATUM.

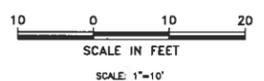


Survey Baseline Location Detail

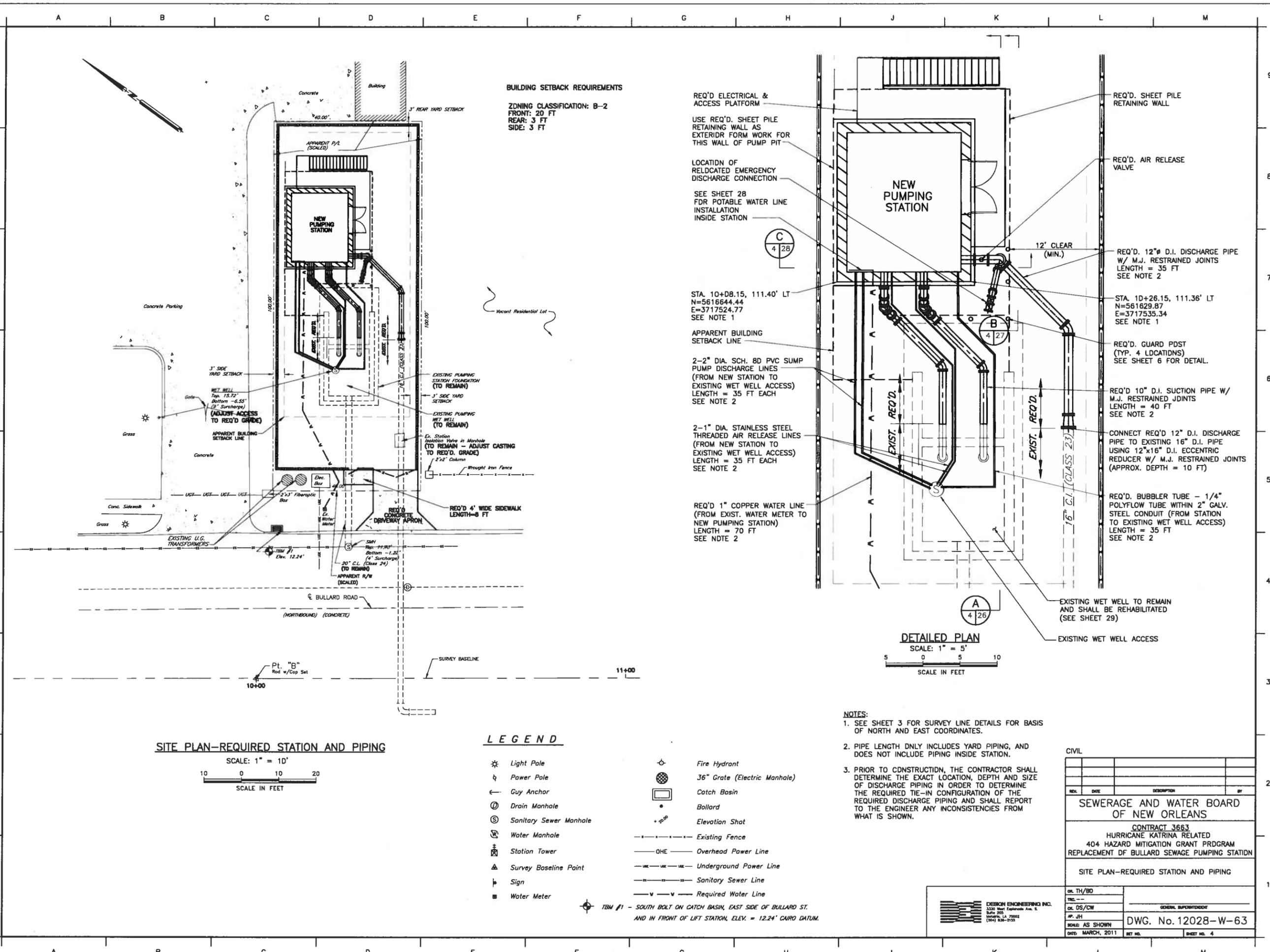
REFERENCES:
 GOTECH FIELD BOOK 274.

- NOTES:
- DISTANCES AND COORDINATE VALUES SHOWN ARE IN FEET BY HORIZONTAL MEASUREMENT.
 - HORIZONTAL COORDINATES SHOWN ARE LOUISIANA LAMBERT SOUTH ZONE GRID SYSTEM COORDINATES BASED ON NATIONAL GEODETIC SURVEY'S ONLINE POSITIONING USER SERVICE (OPUS) PROCESSING OF GPS OBSERVATION DATA COLLECTED ON 7/8/2009 & PROCESSED ON 7/9/2009.
 - VERTICAL DATUM IS CAIRO DATUM ADJUSTED FROM NAVD88 DATUM OBTAINED FROM OPUS PROCESSING OF GPS OBSERVATION DATA COLLECTED ON 7/8/2009 AND PROCESSED ON 7/9/2009.
 - TBM #1 - SOUTH BOLT ON CATCH BASIN, EAST SIDE OF BULLARD ST. AND IN FRONT OF LIFT STATION, ELEV. = 12.24' CAIRO DATUM.
 - TOPOGRAPHIC SURVEY SITE LOCATED IN FLOOD ZONE A4 BASED ON THE FLOOD INSURANCE RATE MAPS FOR THE CITY OF NEW ORLEANS & ORLEANS PARISH, LA. - COMMUNITY PANEL NO. 2252D3-D105E, REVISED 3/1/84.
 - SEWER MANHOLES WERE SURCHARGED AND THE SURVEY CREW WAS UNABLE TO OBTAIN ANY INVERT ELEVATIONS OR SIZES OF PIPES ENTERING OR EXITING THE STRUCTURE.
 - HIGH WATER MARK ELEV. 18.21' CAIRO DATUM, OBSERVED ON ELECTRIC PANEL @ SITE.
 - BASE FLOOD ELEVATION (B.F.E.) = 18.13 CAIRO DATUM. BFE TAKEN FROM ELEVATION CERTIFICATE PREPARED BY DUFRENE SURVEY AND ENGINEERING, INC., DATED JANUARY, 2010.
 - 500 YEAR FLOOD ELEVATION = ELEV. 22.73 CAIRO DATUM. 500 YEAR FLOOD ELEVATION TAKEN FROM FEMA FLOOD INSURANCE STUDY, DATED SEPTEMBER 1, 1983.
 - SUPPORT PILING FOR ELEVATED PLATFORM SHALL BE REMOVED.

SEWERAGE AND WATER BOARD OF NEW ORLEANS			
CONTRACT 3663 HURRICANE KATRINA RELATED 404 HAZARD MITIGATION GRANT PROGRAM REPLACEMENT OF BULLARD SEWAGE PUMPING STATION			
SITE PLAN - EXISTING CONDITIONS AND DEMOLITION			
DR. TH/BD	DATE	DESCRIPTION	BY
DESIGN ENGINEERING INC. 3330 West Lakeshore Ave. E. Burr Ridge, IL 60521 Metairie, LA 70002 (504) 836-2183			
GENERAL SUPERVISOR	DWG. No. 12028-W-63		
DATE: MARCH, 2011	REV. NO.	SHEET NO. 3	



PRINTED Mar 30, 2011 - 11:14am FILENAME - J:\6005.1-FINAL\Contract 3663 - Bullard SPS\SH4_BUL_REQ SITE.dwg



BUILDING SETBACK REQUIREMENTS
 ZONING CLASSIFICATION: B-2
 FRONT: 20 FT
 REAR: 3 FT
 SIDE: 3 FT

REQ'D ELECTRICAL & ACCESS PLATFORM
 USE REQ'D. SHEET PILE RETAINING WALL AS EXTERIOR FORM WORK FOR THIS WALL OF PUMP PIT
 LOCATION OF RELOCATED EMERGENCY DISCHARGE CONNECTION
 SEE SHEET 28 FOR POTABLE WATER LINE INSTALLATION INSIDE STATION

STA. 10+08.15, 111.40' LT
 N=5616644.44
 E=3717524.77
 SEE NOTE 1
 APPARENT BUILDING SETBACK LINE
 2-2" DIA. SCH. 80 PVC SUMP PUMP DISCHARGE LINES (FROM NEW STATION TO EXISTING WET WELL ACCESS) LENGTH = 35 FT EACH SEE NOTE 2
 2-1" DIA. STAINLESS STEEL THREADED AIR RELEASE LINES (FROM NEW STATION TO EXISTING WET WELL ACCESS) LENGTH = 35 FT EACH SEE NOTE 2

REQ'D 1" COPPER WATER LINE (FROM EXIST. WATER METER TO NEW PUMPING STATION) LENGTH = 70 FT SEE NOTE 2

REQ'D. SHEET PILE RETAINING WALL
 REQ'D. AIR RELEASE VALVE
 REQ'D. 12" D.I. DISCHARGE PIPE W/ M.J. RESTRAINED JOINTS LENGTH = 35 FT SEE NOTE 2
 STA. 10+26.15, 111.36' LT
 N=561629.87
 E=3717535.34
 SEE NOTE 1
 REQ'D. GUARD PDST (TYP. 4 LOCATIONS) SEE SHEET 6 FOR DETAIL.
 REQ'D 10" D.I. SUCTION PIPE W/ M.J. RESTRAINED JOINTS LENGTH = 40 FT SEE NOTE 2
 CONNECT REQ'D 12" D.I. DISCHARGE PIPE TO EXISTING 16" D.I. PIPE USING 12"x16" D.I. ECCENTRIC REDUCER W/ M.J. RESTRAINED JOINTS (APPROX. DEPTH = 10 FT)
 REQ'D. BUBBLER TUBE - 1/4" POLYFLOW TUBE WITHIN 2" GALV. STEEL CONDUIT (FROM STATION TO EXISTING WET WELL ACCESS) LENGTH = 35 FT SEE NOTE 2

DETAILED PLAN
 SCALE: 1" = 5'
 SCALE IN FEET

SITE PLAN-REQUIRED STATION AND PIPING
 SCALE: 1" = 10'
 SCALE IN FEET

LEGEND

- * Light Pole
- ⊕ Power Pole
- ← Guy Anchor
- ⊙ Drain Manhole
- ⊙ Sanitary Sewer Manhole
- ⊙ Water Manhole
- ⊙ Station Tower
- △ Survey Baseline Point
- ⊥ Sign
- Water Meter
- ⊕ Fire Hydrant
- ⊙ 36" Grate (Electric Manhole)
- ⊙ Catch Basin
- Bollard
- +0.00 Elevation Shot
- - - Existing Fence
- OHE — Overhead Power Line
- - - - - Underground Power Line
- - - - - Sanitary Sewer Line
- - - - - Required Water Line

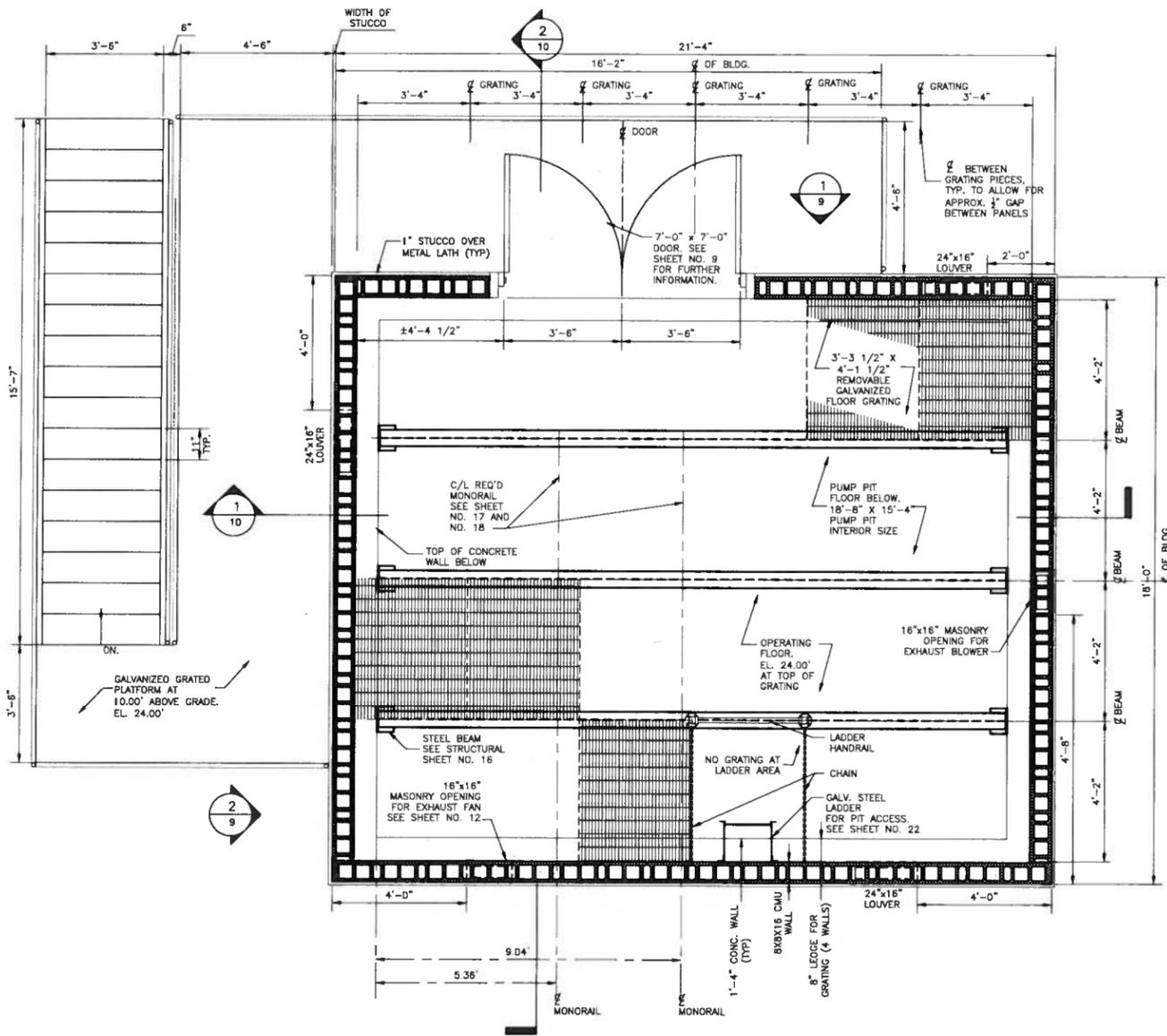
- NOTES:**
- SEE SHEET 3 FOR SURVEY LINE DETAILS FOR BASIS OF NORTH AND EAST COORDINATES.
 - PIPE LENGTH ONLY INCLUDES YARD PIPING, AND DOES NOT INCLUDE PIPING INSIDE STATION.
 - PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION, DEPTH AND SIZE OF DISCHARGE PIPING IN ORDER TO DETERMINE THE REQUIRED TIE-IN CONFIGURATION OF THE REQUIRED DISCHARGE PIPING AND SHALL REPORT TO THE ENGINEER ANY INCONSISTENCIES FROM WHAT IS SHOWN.

CIVIL			
REV.	DATE	DESCRIPTION	BY
SEWERAGE AND WATER BOARD OF NEW ORLEANS			
CONTRACT 3663 HURRICANE KATRINA RELATED 404 HAZARD MITIGATION GRANT PROGRAM REPLACEMENT OF BULLARD SEWAGE PUMPING STATION			
SITE PLAN-REQUIRED STATION AND PIPING			
DR. TH/BD			
CL. DS/CW			
AP. JH			
SCALE AS SHOWN	DWG. No. 12028-W-63		
DATE: MARCH, 2011	SHEET NO.	SHEET NO. 4	

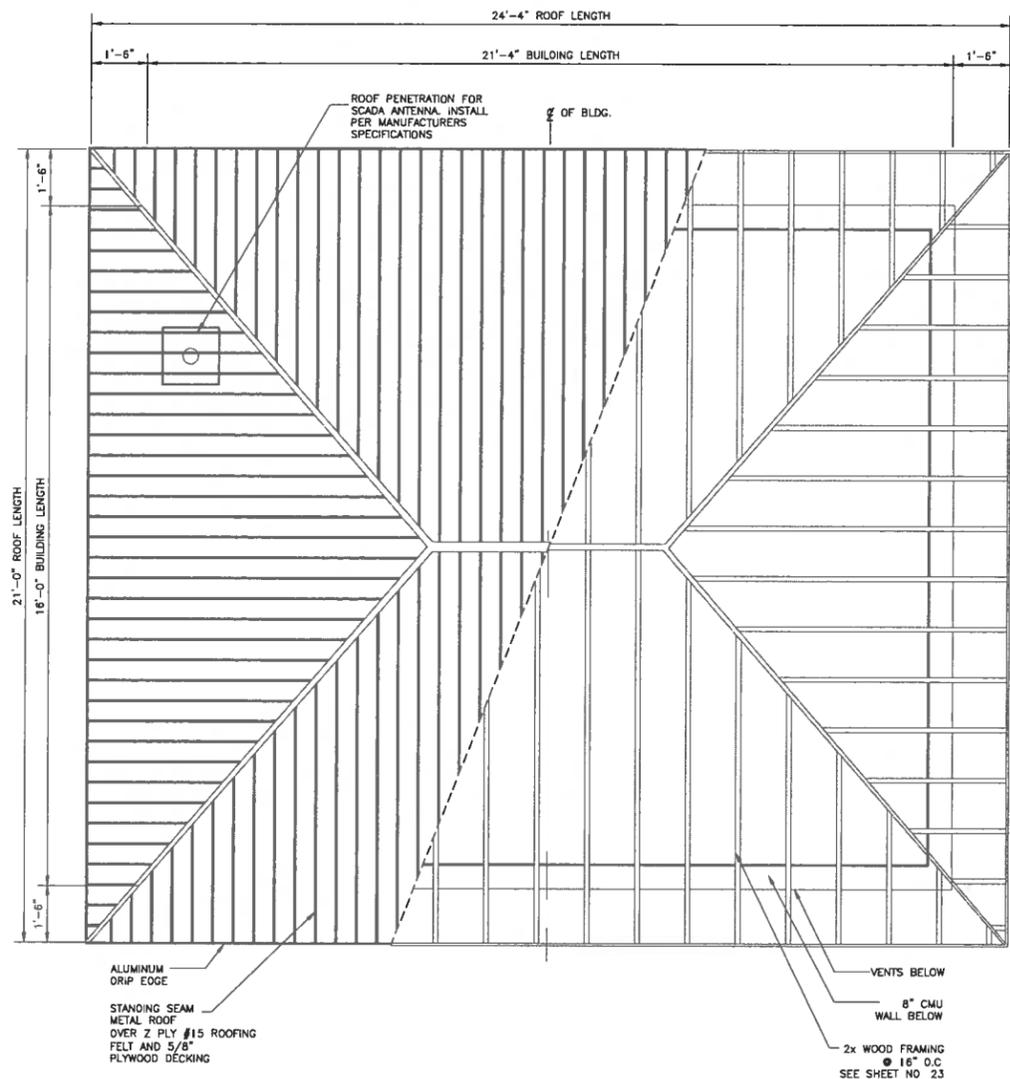
DESIGN ENGINEERING INC.
 3330 West Esplanade, Apt. 2
 Suite 205
 Metairie, LA 70002
 (504) 838-2155

⊕ TBM #1 - SOUTH BOLT ON CATCH BASIN, EAST SIDE OF BULLARD ST. AND IN FRONT OF LIFT STATION, ELEV. = 12.24' CAIRO DATUM.

PRINTED Mar 29, 2011 - 2:33pm FILENAME - j:\6005.1-FINAL\Contract 3663 - Bullard SPS\ARCHITECTURAL\SH8_BUL_ARCH_FRAME.dwg



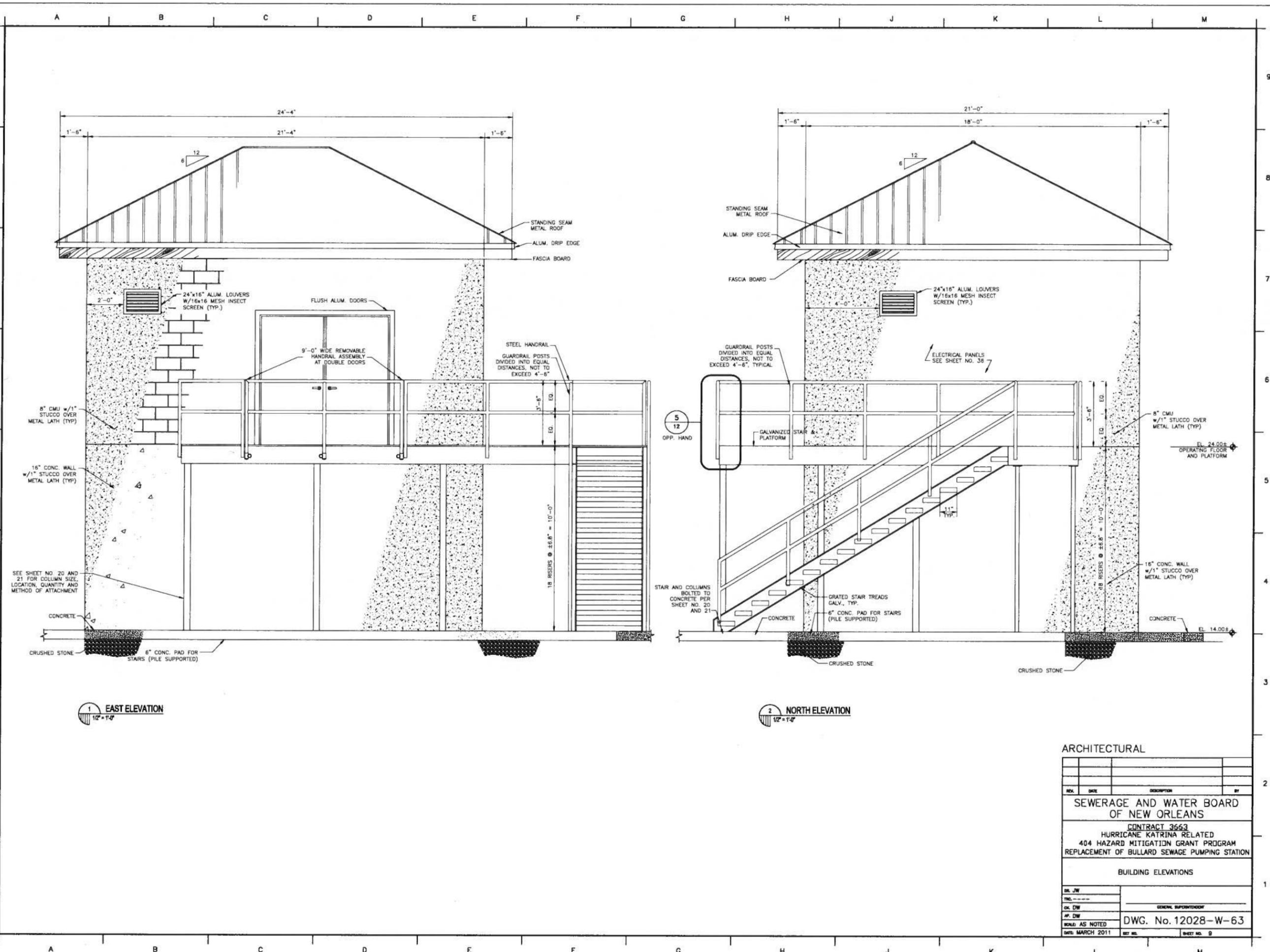
1 OPERATING FLOOR / ARCHITECTURAL FRAMING PLAN
1/2" = 1'-0"



2 COMBINED ROOF AND FRAMING PLAN
1/2" = 1'-0"

ARCHITECTURAL			
REV.	DATE	DESCRIPTION	BY
SEWERAGE AND WATER BOARD OF NEW ORLEANS			
CONTRACT 3663 HURRICANE KATRINA RELATED 404 HAZARD MITIGATION GRANT PROGRAM REPLACEMENT OF BULLARD SEWAGE PUMPING STATION			
FLOOR FRAMING AND ROOF PLANS			
DR. JW			
CHK. DW			
SCALE: AS NOTED		DWG. No. 12028-W-63	
DATE: MARCH 2011	REV. NO.		SHEET NO. 8

PRINTED Mar 29, 2011 - 2:33pm FILENAME - j:\6005.1-FINAL\Contract 3663 - Bullard SPS_ARCHITECTURAL\SHIT 9_BUL_BLDG EL.dwg

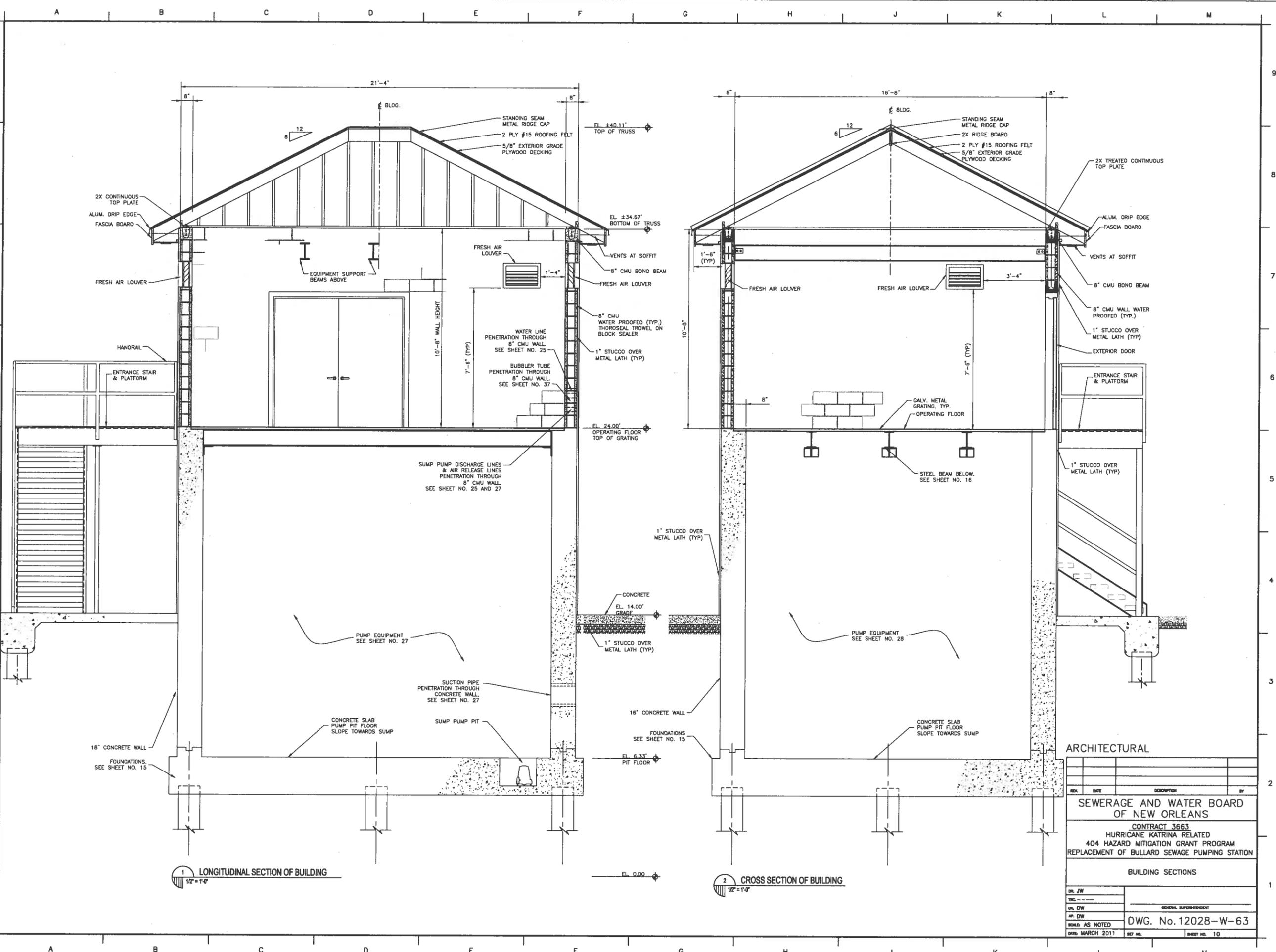


1 EAST ELEVATION
1/2" = 1'-0"

2 NORTH ELEVATION
1/2" = 1'-0"

ARCHITECTURAL			
REV.	DATE	DESCRIPTION	BY
SEWERAGE AND WATER BOARD OF NEW ORLEANS			
CONTRACT 3663 HURRICANE KATRINA RELATED 404 HAZARD MITIGATION GRANT PROGRAM REPLACEMENT OF BULLARD SEWAGE PUMPING STATION			
BUILDING ELEVATIONS			
DR. JW			
TIC			
CK. DW			
AP. DW			
SCALE: AS NOTED		DWG. No. 12028-W-63	
DATE: MARCH 2011	REV. NO.		SHEET NO. 9

PRINTED Mar 29, 2011 2:34pm FILENAME - J:\6005.1-FINAL\Contract 3663 - Bullard SPS_ARCHITECTURAL\SHT 10_BUL_BLOG_SEC.dwg

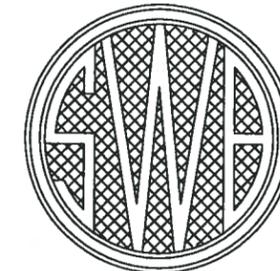


1 LONGITUDINAL SECTION OF BUILDING
1/2" = 1'-0"

2 CROSS SECTION OF BUILDING
1/2" = 1'-0"

ARCHITECTURAL			
REV.	DATE	DESCRIPTION	BY
SEWERAGE AND WATER BOARD OF NEW ORLEANS			
CONTRACT 3663 HURRICANE KATRINA RELATED 404 HAZARD MITIGATION GRANT PROGRAM REPLACEMENT OF BULLARD SEWAGE PUMPING STATION			
BUILDING SECTIONS			
DR. J.W.			
CHK. DW			
AP. DW			
SCALE: AS NOTED		DWG. No. 12028-W-63	
DATE: MARCH 2011			

SEWERAGE AND WATER BOARD OF NEW ORLEANS



CONTRACT No. 3665 HURRICANE KATRINA RELATED 404 HAZARD MITIGATION GRANT PROGRAM REPLACEMENT OF DODT STREET SEWAGE PUMPING STATION

DRAWING INDEX

SHEET No.	DRAWING No.	Discipline	TITLE	SHEET No.	DRAWING No.	Discipline	TITLE
1	12030-W-63	GENERAL	TITLE SHEET	27	12030-W-63	MECHANICAL	LONGITUDINAL SECTION
2	12030-W-63	GENERAL	LOCATION MAP/GENERAL NOTES	28	12030-W-63	MECHANICAL	PIPING CROSS SECTION THROUGH STATION AND MISCELLANEOUS DETAILS
3	12030-W-63	CIVIL	SITE PLAN - EXISTING CONDITIONS AND DEMOLITION	29	12030-W-63	MECHANICAL	REHABILITATION AND DETAILS FOR WET WELL
4	12030-W-63	CIVIL	SITE PLAN - REQUIRED STATION & PIPING	30	12030-W-63	--	REFERENCE DRAWING
5	12030-W-63	CIVIL	FENCING AND SITE PAVING PLAN	31	12030-W-63	--	REFERENCE DRAWING
5A	12030-W-63	CIVIL	FENCING DETAILS	32	5027-P1	ELECTRICAL	ELECTRICAL - REQUIRED SITE PLAN
6	12030-W-63	CIVIL	MISCELLANEOUS SITEWORK DETAILS	33	5027-P2	ELECTRICAL	ELEMENTARY, PNEUMATIC, CONTROL AND ONE LINE DIAGRAMS
7	12030-W-63	CIVIL	SEWER NOTES	34	5027-P3	ELECTRICAL	ELECTRICAL FLOOR PLAN, EXTERIOR WALL ELEVATIONS AND DETAILS
8	12030-W-63	ARCHITECTURAL	FLOOR FRAMING AND ROOF PLANS	35	5027-P4	ELECTRICAL	ELECTRICAL INTERIOR WALL ELEVATIONS AND DETAILS
9	12030-W-63	ARCHITECTURAL	BUILDING ELEVATIONS	36	5027-P5	ELECTRICAL	AUTOMATION CONTROL PANEL FABRICATION AND WIRING
10	12030-W-63	ARCHITECTURAL	BUILDING SECTIONS	37	5027-P6	ELECTRICAL	SCADA PANEL RISER DIAGRAM AND DETAILS
11	12030-W-63	ARCHITECTURAL	ARCHITECTURAL DETAILS				
12	12030-W-63	ARCHITECTURAL	ARCHITECTURAL DETAILS				
13	12030-W-63	STRUCTURAL	BORING LOGS				
14	12030-W-63	STRUCTURAL	STRUCTURAL NOTES				
15	12030-W-63	STRUCTURAL	FOUNDATION PLAN AND DETAILS				
16	12030-W-63	STRUCTURAL	OPERATING FLOOR FRAMING AND GRATING PLAN				
17	12030-W-63	STRUCTURAL	CEILING LEVEL FRAMING AND ROOFING PLAN				
18	12030-W-63	STRUCTURAL	FRAMING SECTION AND DETAILS - 1				
19	12030-W-63	STRUCTURAL	FRAMING SECTION AND DETAILS - 2				
20	12030-W-63	STRUCTURAL	PLATFORM AND STAIR FRAMING PLAN				
21	12030-W-63	STRUCTURAL	STAIR SECTION AND DETAILS				
22	12030-W-63	STRUCTURAL	LADDER DETAILS				
23	12030-W-63	STRUCTURAL	ROOF SECTION AND DETAILS				
24	12030-W-63	STRUCTURAL	PPC PILE AND MISCELLANEOUS DETAILS				
25	12030-W-63	MECHANICAL	MECHANICAL EQUIPMENT LAYOUT PLAN				
26	12030-W-63	MECHANICAL	PIPING CROSS SECTION THROUGH STATION AND WET WELL				



VICINITY MAP
AREA MAP NO SCALE

FINAL PLANS

THESE DOCUMENTS ARE NOT TO BE USED FOR CONSTRUCTION, BIDDING, RECORDATION, CONVEYANCE, SALES, OR AS THE BASIS FOR THE ISSUANCE OF A PERMIT.

John Holtgreve, P.E. 16383
PROFESSIONAL ENGINEER LICENSE NO.
5-11-11

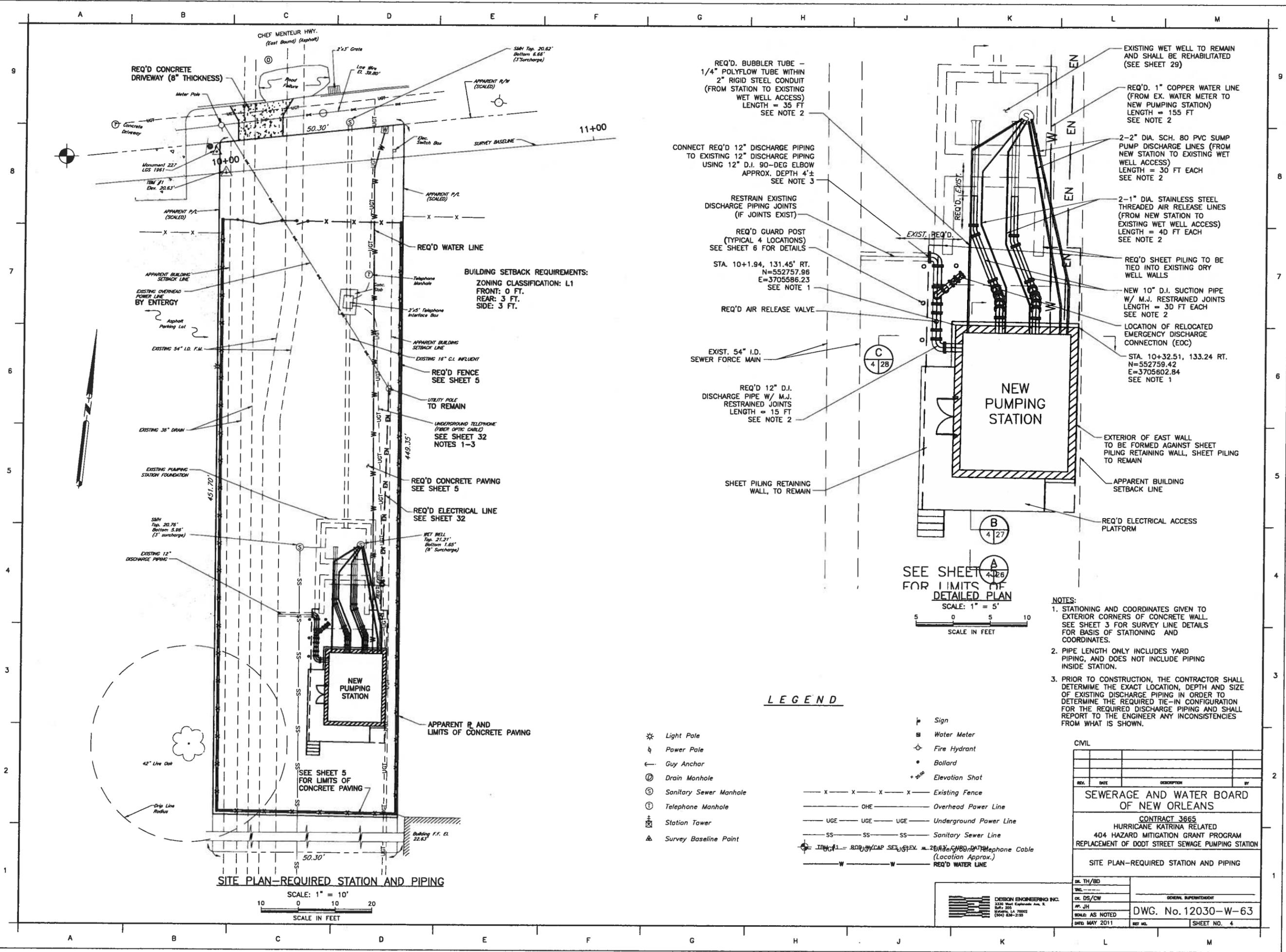
FINAL SUBMITTAL

MAY 2011
NOT FOR CONSTRUCTION



REV.	DATE	DESCRIPTION	BY
SEWERAGE AND WATER BOARD OF NEW ORLEANS			
CONTRACT 3665 HURRICANE KATRINA RELATED 404 HAZARD MITIGATION GRANT PROGRAM REPLACEMENT OF DODT STREET SEWAGE PUMPING STATION			
TITLE SHEET			
DR. TH/BD			
TIC. --			
CK. DS/CW			
AP. JH			
SCALE AS SHOWN		DWG. No. 12030-W-63	
DATE: MAY 2011	REV. NO.		SHEET NO. 1

PRINTED May 17, 2011 - 11:11am FILENAME - U:\6005.1-FINAL\Contract 3665 - Dordt Street SPS\SHIT 4_DDOT_REQSITE.dwg



SITE PLAN-REQUIRED STATION AND PIPING

SCALE: 1" = 10'
SCALE IN FEET

BUILDING SETBACK REQUIREMENTS:
ZONING CLASSIFICATION: L1
FRONT: 0 FT.
REAR: 3 FT.
SIDE: 3 FT.

REQ'D. BUBBLER TUBE -
1/4" POLYFLOW TUBE WITHIN
2" RIGID STEEL CONDUIT
(FROM STATION TO EXISTING
WET WELL ACCESS)
LENGTH = 35 FT
SEE NOTE 2

CONNECT REQ'D 12" DISCHARGE PIPING
TO EXISTING 12" DISCHARGE PIPING
USING 12" D.I. 90-DEG ELBOW
APPROX. DEPTH 4"±
SEE NOTE 3

RESTRAIN EXISTING
DISCHARGE PIPING JOINTS
(IF JOINTS EXIST)

REQ'D GUARD POST
(TYPICAL 4 LOCATIONS)
SEE SHEET 6 FOR DETAILS

STA. 10+1.94, 131.45' RT.
N=552757.96
E=3705586.23
SEE NOTE 1

REQ'D AIR RELEASE VALVE

EXIST. 54" I.D.
SEWER FORCE MAIN

REQ'D 12" D.I.
DISCHARGE PIPE W/ M.J.
RESTRAINED JOINTS
LENGTH = 15 FT
SEE NOTE 2

SHEET PILING RETAINING
WALL, TO REMAIN

SEE SHEET
FOR LIMITS OF
DETAILED PLAN

SCALE: 1" = 5'
SCALE IN FEET

LEGEND

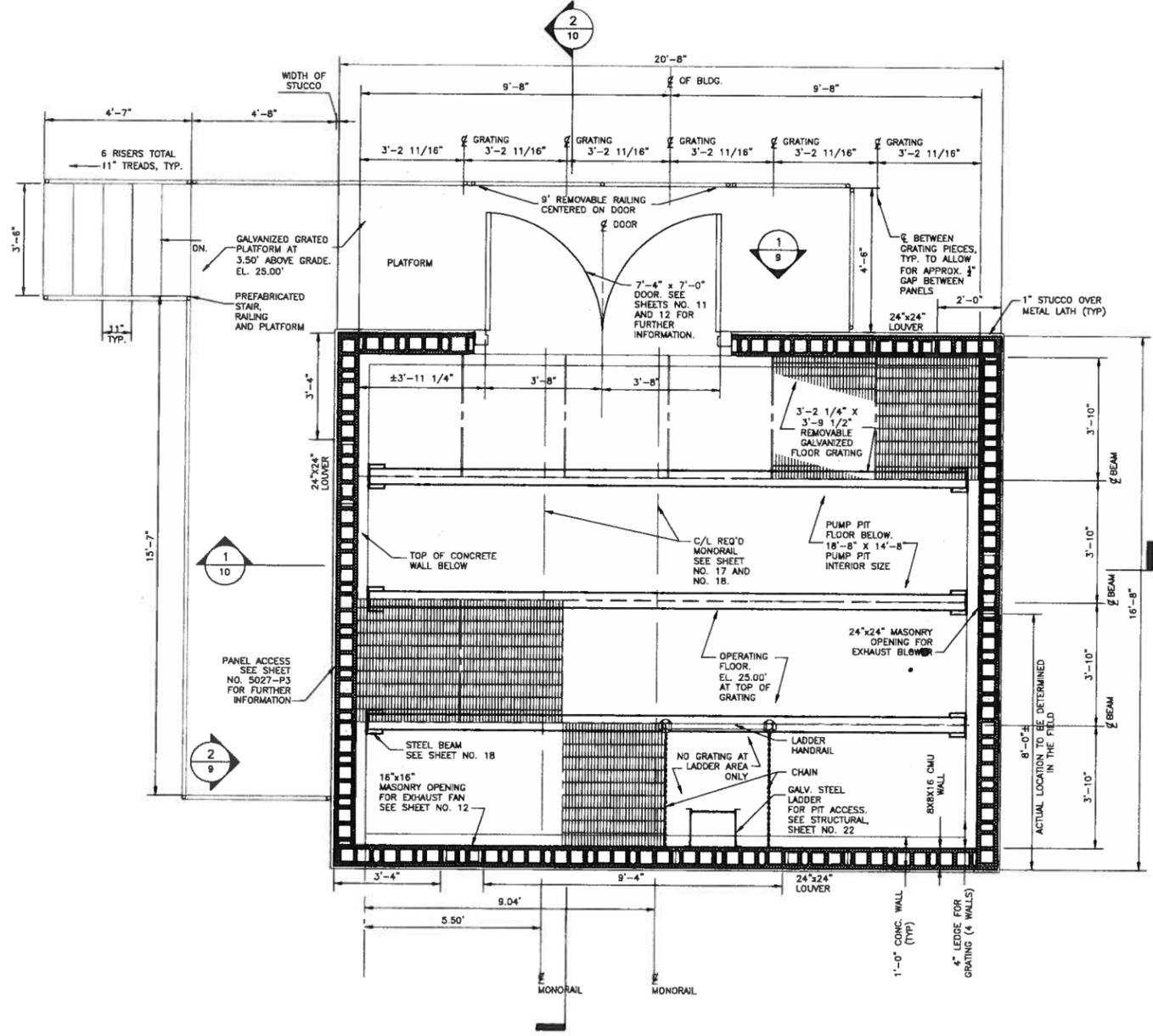
- ☼ Light Pole
- ⊕ Power Pole
- ← Guy Anchor
- ⊙ Drain Manhole
- ⊙ Sanitary Sewer Manhole
- ⊙ Telephone Manhole
- ⊕ Station Tower
- ⊕ Survey Baseline Point
- ⊕ Sign
- ⊕ Water Meter
- ⊕ Fire Hydrant
- ⊕ Bollard
- ⊕ Elevation Shot
- x --- Existing Fence
- OHE --- Overhead Power Line
- UGE --- Underground Power Line
- SS --- Sanitary Sewer Line
- TRW --- Telephone Cable (Location Approx.)
- W --- REQ'D WATER LINE

- NOTES:
- STATIONING AND COORDINATES GIVEN TO EXTERIOR CORNERS OF CONCRETE WALL. SEE SHEET 3 FOR SURVEY LINE DETAILS FOR BASIS OF STATIONING AND COORDINATES.
 - PIPE LENGTH ONLY INCLUDES YARD PIPING, AND DOES NOT INCLUDE PIPING INSIDE STATION.
 - PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION, DEPTH AND SIZE OF EXISTING DISCHARGE PIPING IN ORDER TO DETERMINE THE REQUIRED TIE-IN CONFIGURATION FOR THE REQUIRED DISCHARGE PIPING AND SHALL REPORT TO THE ENGINEER ANY INCONSISTENCIES FROM WHAT IS SHOWN.

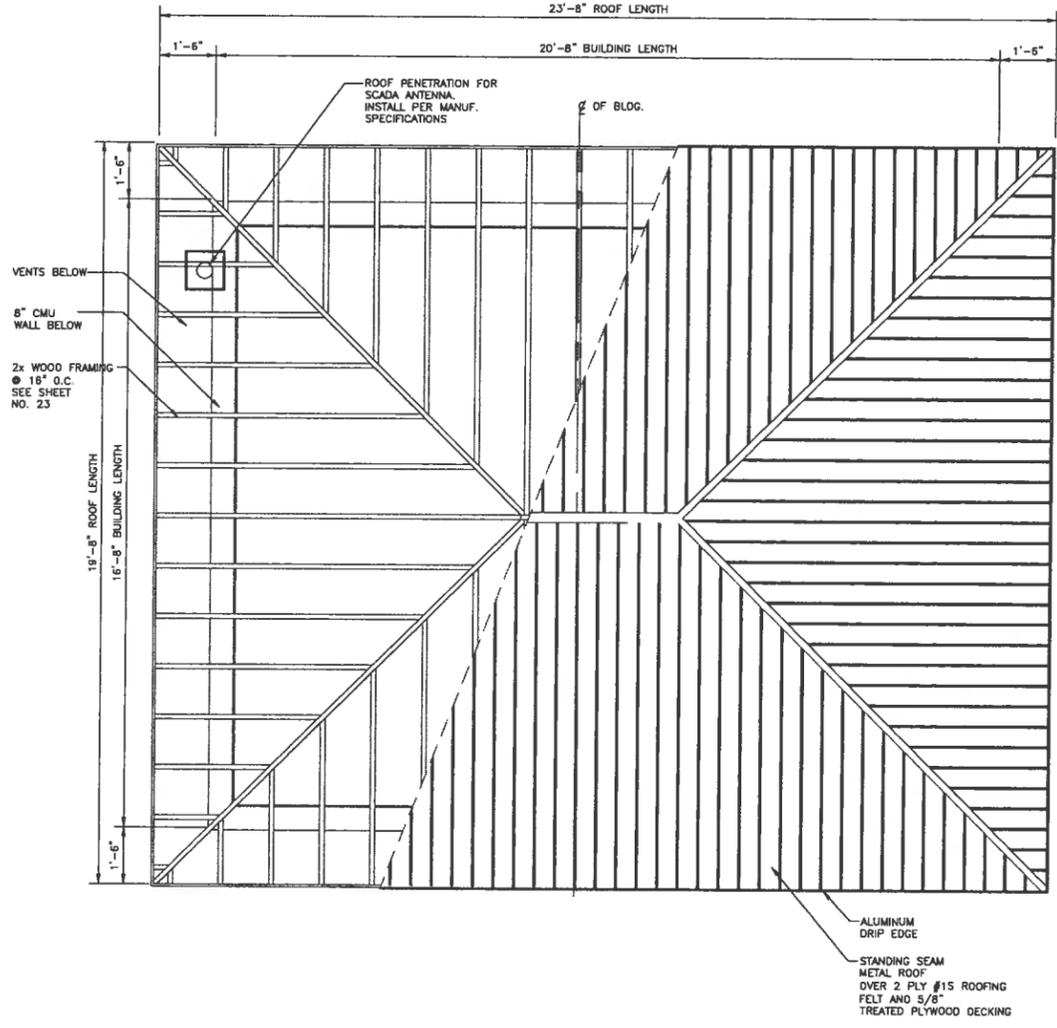
CIVIL			
REV.	DATE	DESCRIPTION	BY
SEWERAGE AND WATER BOARD OF NEW ORLEANS			
CONTRACT 3665 HURRICANE KATRINA RELATED 404 HAZARD MITIGATION GRANT PROGRAM REPLACEMENT OF DORDT STREET SEWAGE PUMPING STATION			
SITE PLAN-REQUIRED STATION AND PIPING			
DR. TH/BD			
DR. DS/CW			
DR. JH			
SCALE AS NOTED		DWG. No. 12030-W-63	
DATE: MAY 2011	REV. NO.		SHEET NO. 4



PRINTED May 18, 2011 - 2:49pm FILENAME - J:\8005.1-FINAL\Contract 3665 - Dodt Street SPS\ARCHITECTURAL\SH18_DDOT_ARCH_FRAME.dwg



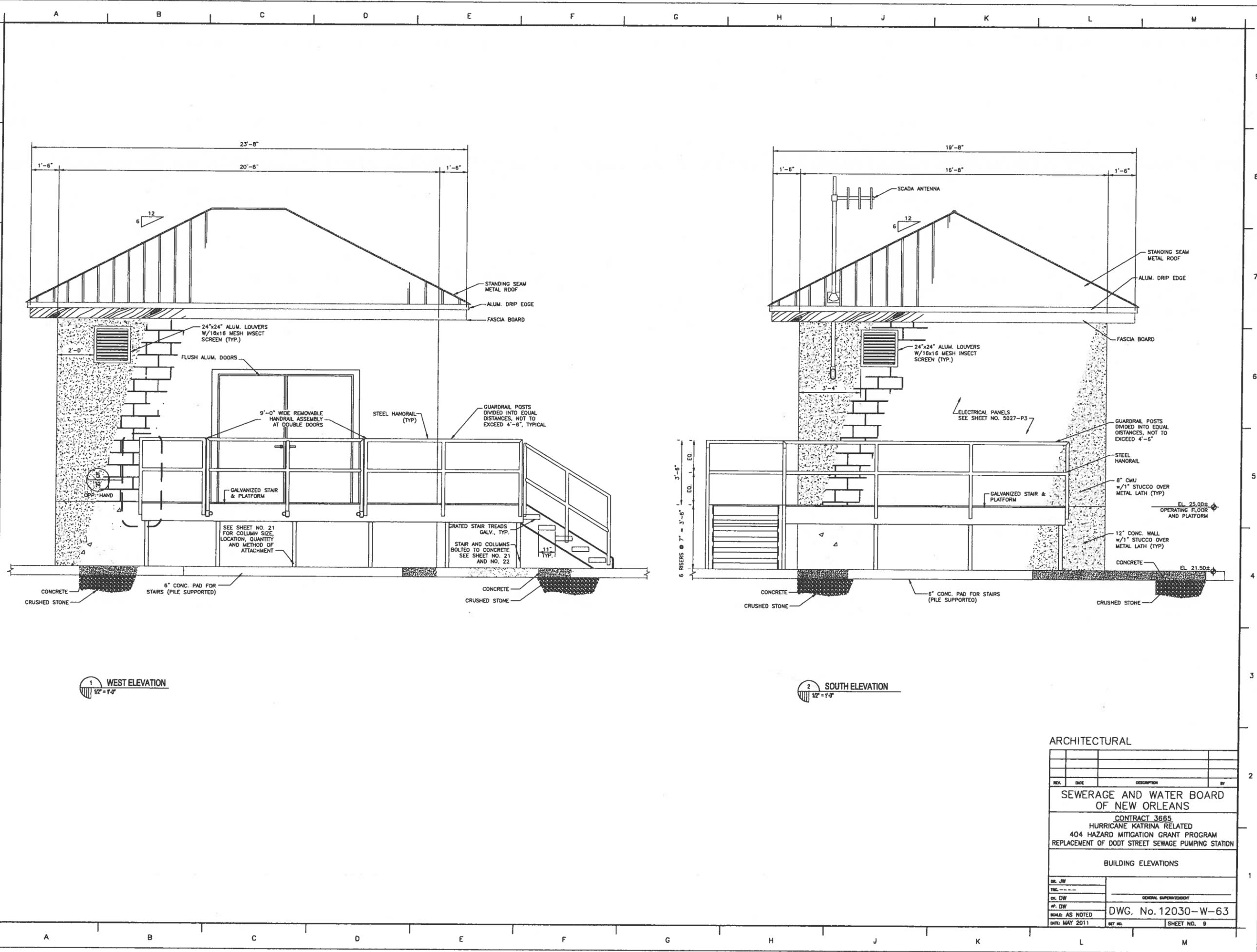
1 OPERATING FLOOR / ARCHITECTURAL FRAMING PLAN
1/2" = 1'-0"



2 COMBINED ROOF AND FRAMING PLAN
1/2" = 1'-0"

ARCHITECTURAL			
REV.	DATE	DESCRIPTION	BY
SEWERAGE AND WATER BOARD OF NEW ORLEANS			
CONTRACT 3665 HURRICANE KATRINA RELATED 404 HAZARD MITIGATION GRANT PROGRAM REPLACEMENT OF DODT STREET SEWAGE PUMPING STATION			
FLDOR FRAMING AND ROOF PLANS			
DR. JW			
DC. DW			
AP. DW			
SCALE AS NOTED		DWG. No. 12028-W-63	
DATE: MAY 2011	SET NO.		SHEET NO. 8

PRINTED May 18, 2011 - 2:49pm FILENAME - J:\6005.1-FINAL\Contract 3665 - Dodt Street SPS\ARCHITECTURAL\SH1 9_DDOT_BLDG_EL.dwg



1 WEST ELEVATION
1/2" = 1'-0"

2 SOUTH ELEVATION
1/2" = 1'-0"

ARCHITECTURAL

REV.	DATE	DESCRIPTION	BY

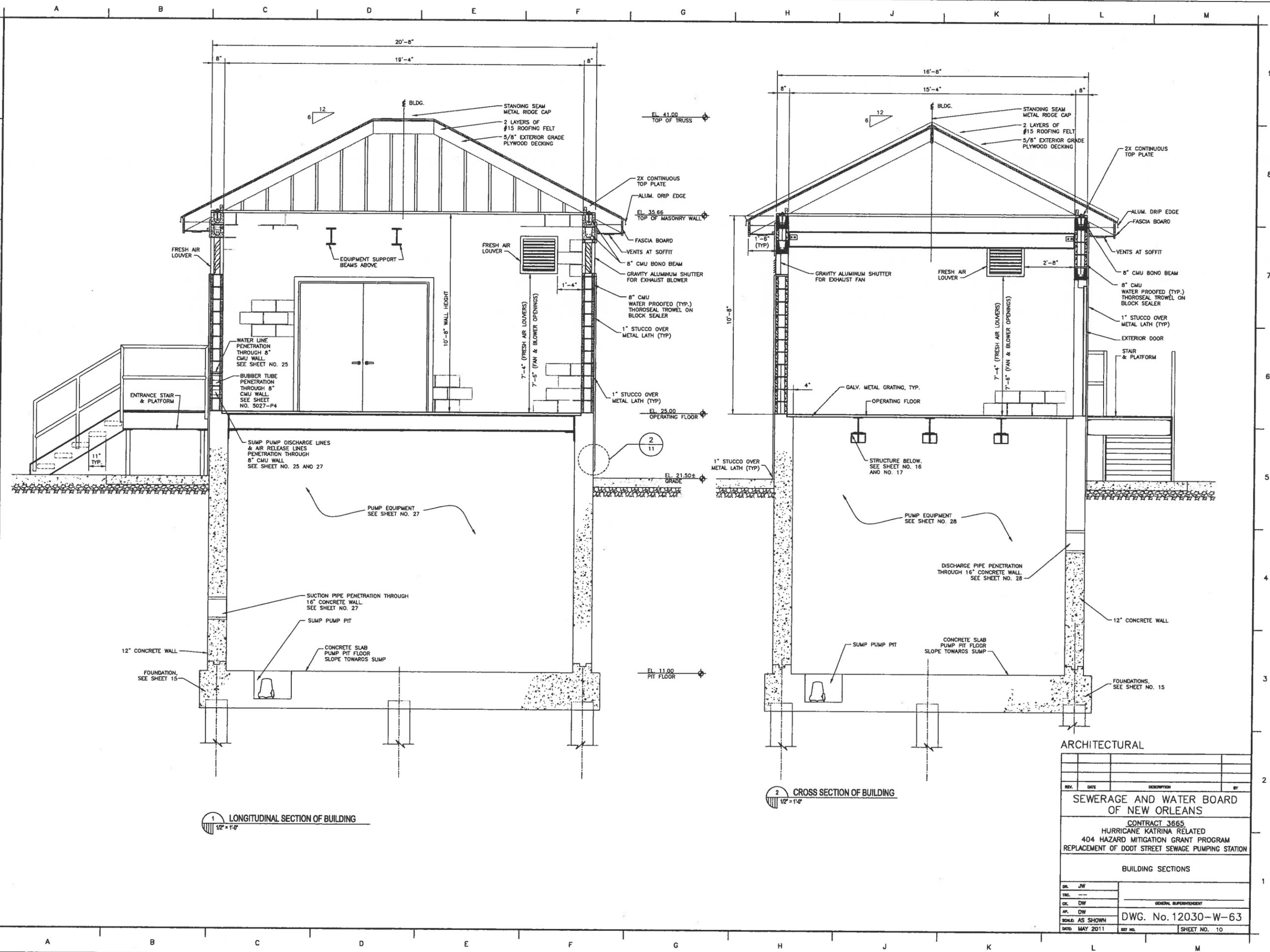
SEWERAGE AND WATER BOARD
OF NEW ORLEANS

CONTRACT 3665
HURRICANE KATRINA RELATED
404 HAZARD MITIGATION GRANT PROGRAM
REPLACEMENT OF DODT STREET SEWAGE PUMPING STATION

BUILDING ELEVATIONS

DR. JW	
TIC	
DR. DW	GENERAL SUPERINTENDENT
DR. DW	
SCALE AS NOTED	DWG. No. 12030-W-63
DATE: MAY 2011	SHEET NO. 9

PRINTED May 18, 2011 - 2:49pm FILENAME - J:\6005.1--FINAL\Contract 3665 - Doot Street SPS\ARCHITECTURAL\SH1 10_DDOT_BLDG_SEC.dwg

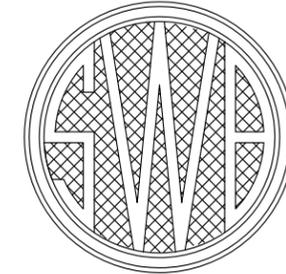
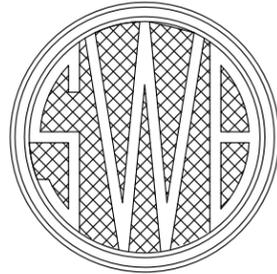


1 LONGITUDINAL SECTION OF BUILDING
1/2" = 1'-0"

2 CROSS SECTION OF BUILDING
1/2" = 1'-0"

ARCHITECTURAL			
REV.	DATE	DESCRIPTION	BY
SEWERAGE AND WATER BOARD OF NEW ORLEANS			
CONTRACT 3665 HURRICANE KATRINA RELATED 404 HAZARD MITIGATION GRANT PROGRAM REPLACEMENT OF DOOT STREET SEWAGE PUMPING STATION			
BUILDING SECTIONS			
DR. JW			
TIC. ---			
CK. DW			
AP. DW			
SCHD. AS SHOWN		DWG. No. 12030-W-63	
DATE: MAY 2011	REV. NO.		SHEET NO. 10

SEWERAGE AND WATER BOARD OF NEW ORLEANS



CONTRACT No. 3669 HURRICANE KATRINA RELATED 404 HAZARD MITIGATION GRANT PROGRAM REPLACEMENT OF SEWAGE LIFT STATION NO. 6

DRAWING INDEX

SHEET No.	DRAWING No.	Discipline	TITLE	SHEET No.	DRAWING No.	Discipline	TITLE
1	12037-W-63	GENERAL	TITLE SHEET	27	12037-W-63	MECHANICAL	WET WET AND PUMP STATION TRS
2	12037-W-63	GENERAL	LOCATION MAP/GENERAL NOTES				PLAN AND DETAILS
3	12037-W-63	CIVIL	SITE PLAN - EXISTING CONDITIONS AND DEMOLITION	28	12037-W-63	MECHANICAL	MECHANICAL EQUIPMENT LAYOUT PLAN
4	12037-W-63	CIVIL	SITE PLAN - REQUIRED STATION AND PIPING	29	12037-W-63	MECHANICAL	PIPING CROSS SECTION THROUGH STATION AND WET WELL
4A	12037-W-63	CIVIL	TRAFFIC CONTROL	30	12037-W-63	MECHANICAL	LONGITUDINAL SECTION
5	12037-W-63	CIVIL	SITE PAVING AND FENCING PLANS	31	12037-W-63	MECHANICAL	PIPING CROSS SECTION THROUGH STATION AND MISCELLANEOUS DETAILS
5A	12037-W-63	CIVIL	FENCING DETAILS				
6	12037-W-63	CIVIL	MISCELLANEOUS SITWORK DETAILS	32	12037-W-63	MECHANICAL	WET WELL PLAN, SECTION AND DETAILS
7	12037-W-63	CIVIL	SEWER NOTES	33	12037-W-63	--	REFERENCE DRAWING
8	12037-W-63	ARCHITECTURAL	FLOOR FRAMING AND ROOF PLANS	34	12037-W-63	--	REFERENCE DRAWING
9	12037-W-63	ARCHITECTURAL	BUILDING ELEVATIONS	35	12037-W-63	--	REFERENCE DRAWING
10	12037-W-63	ARCHITECTURAL	BUILDING SECTIONS	36	12037-W-63	--	REFERENCE DRAWING
11	12037-W-63	ARCHITECTURAL	ARCHITECTURAL DETAILS	37	12037-W-63	--	REFERENCE DRAWING
12	12037-W-63	ARCHITECTURAL	ARCHITECTURAL DETAILS	38	12037-W-63	--	REFERENCE DRAWING
13	12037-W-63	STRUCTURAL	BORING LOGS	39	5031-P1	ELECTRICAL	ELECTRICAL - REQUIRED SITE PLAN
14	12037-W-63	STRUCTURAL	STRUCTURAL NOTES	40	5031-P2	ELECTRICAL	ELEMENTARY, PNEUMATIC, CONTROL AND ONE LINE DIAGRAMS
15	12037-W-63	STRUCTURAL	FOUNDATION PLAN AND SECTIONS				
16	12037-W-63	STRUCTURAL	OPERATING FLOOR FRAMING AND GRATING PLAN	41	5031-P3	ELECTRICAL	ELECTRICAL FLOOR PLAN, EXTERIOR WALL ELEVATIONS AND DETAILS
17	12037-W-63	STRUCTURAL	CEILING LEVEL FRAMING AND ROOF PLAN				
18	12037-W-63	STRUCTURAL	FRAMING SECTION AND DETAILS - 1	42	5031-P4	ELECTRICAL	ELECTRICAL INTERIOR WALL ELEVATIONS AND DETAILS
19	12037-W-63	STRUCTURAL	FRAMING SECTION AND DETAILS - 2				
20	12037-W-63	STRUCTURAL	PLATFORM AND STAIR FRAMING PLAN	43	5031-P5	ELECTRICAL	AUTOMATION CONTROL PANEL FABRICATION AND WIRING
21	12037-W-63	STRUCTURAL	STAIR SECTION AND DETAILS				
22	12037-W-63	STRUCTURAL	LADDER DETAILS	44	5031-P6	ELECTRICAL	SCADA PANEL RISER DIAGRAM AND DETAILS
23	12037-W-63	STRUCTURAL	ROOF SECTION AND DETAILS				
24	12037-W-63	STRUCTURAL	PPC PILE AND MISCELLANEOUS DETAILS				
25	12037-W-63	STRUCTURAL	WET WELL FOUNDATION PLAN AND DETAILS				
26	12037-W-63	STRUCTURAL	WET WELL ELEVATION SECTION AND DETAILS				



VICINITY MAP
AREA MAP NO SCALE

FINAL PLANS
THESE DOCUMENTS ARE NOT TO BE USED
FOR CONSTRUCTION, BIDDING, RECORDATION,
CONVEYANCE, SALES, OR AS THE BASIS FOR
THE ISSUANCE OF A PERMIT.

John Holtgreve, P.E. 16383
PROFESSIONAL ENGINEER LICENSE NO.
6-14-11

FINAL SUBMITTAL
JUNE, 2011
NOT FOR CONSTRUCTION

DESIGN ENGINEERING INC.
3350 West Esplanade Ave. S.
Suite 205
Metairie, LA 70002
(504) 836-2150

REV.	DATE	DESCRIPTION	BY

SEWERAGE AND WATER BOARD
OF NEW ORLEANS

CONTRACT 3669
HURRICANE KATRINA RELATED
404 HAZARD MITIGATION GRANT PROGRAM
REPLACEMENT OF SEWAGE LIFT STATION NO. 6

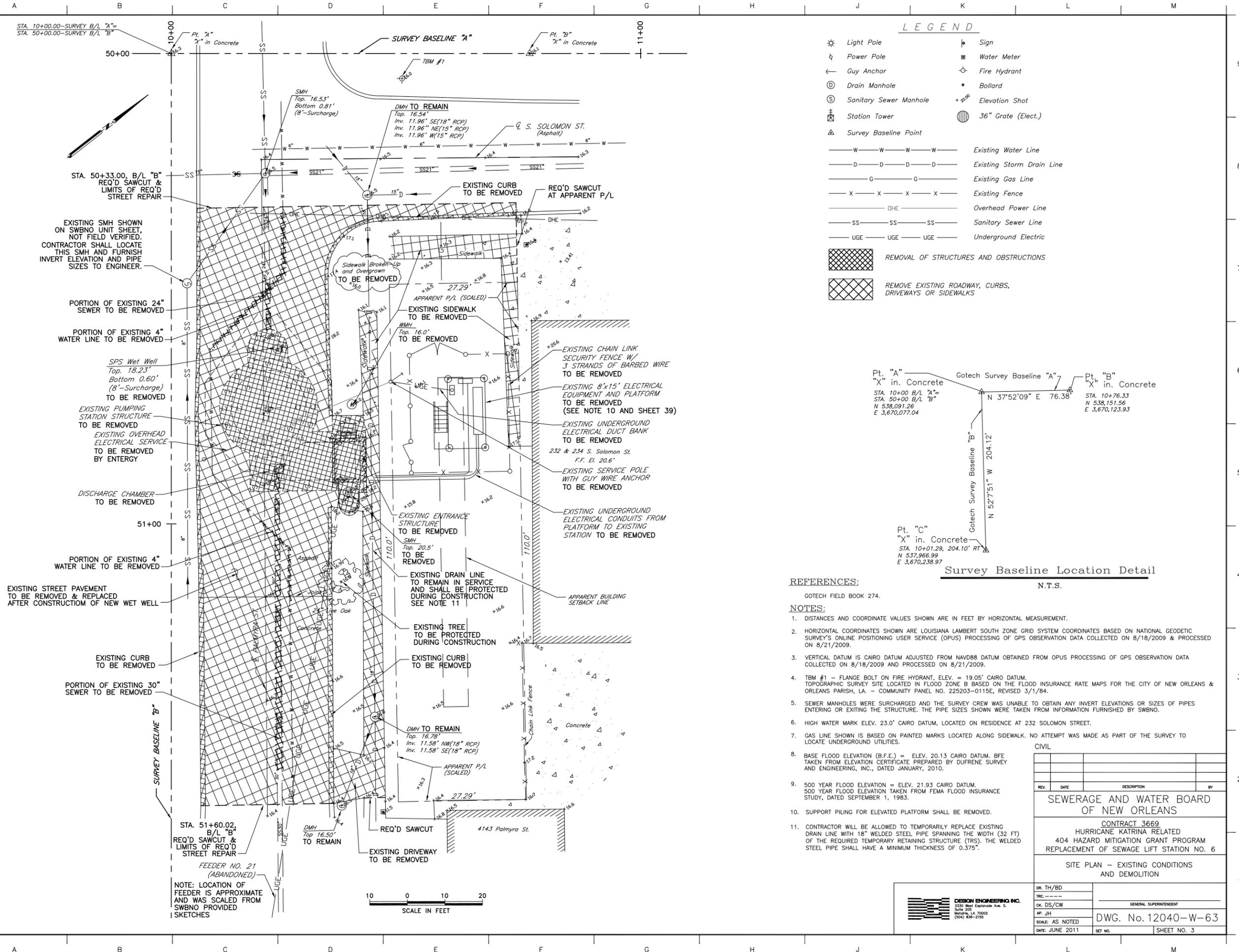
TITLE SHEET

DR. TH/BD
TRC. --
CK. DS/CW
AP. JH
SCALE: NONE
DATE: JUNE 2011

GENERAL SUPERINTENDENT
DWG. No. 12040-W-63
SET NO.
SHEET NO. 1

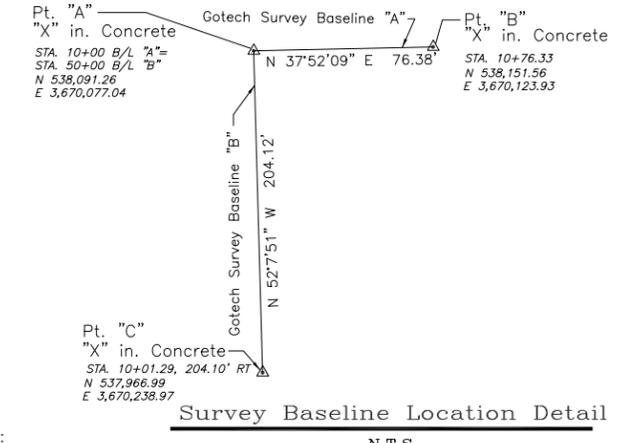


PRINTED Jun 08, 2011 3:21pm FILENAME J:\6005.1-FINAL\Contract 3669 - SPS No. 6\SH3_3_NO. 6_EXISTE.dwg



LEGEND

☼	Light Pole	⌚	Sign
⚡	Power Pole	⊠	Water Meter
←	Guy Anchor	⊕	Fire Hydrant
⊙	Drain Manhole	•	Bollard
⊕	Sanitary Sewer Manhole	+ 2.00	Elevation Shot
⊠	Station Tower	⊠	36" Grate (Elect.)
△	Survey Baseline Point		
— W — W — W — W —	Existing Water Line		
— D — D — D — D —	Existing Storm Drain Line		
— G — G — G — G —	Existing Gas Line		
— X — X — X — X —	Existing Fence		
— DHE —	Overhead Power Line		
— SS — SS — SS —	Sanitary Sewer Line		
— UGE — UGE — UGE —	Underground Electric		
[Hatched Box]	REMOVAL OF STRUCTURES AND OBSTRUCTIONS		
[Cross-hatched Box]	REMOVE EXISTING ROADWAY, CURBS, DRIVEWAYS OR SIDEWALKS		



REFERENCES:

GOTECH FIELD BOOK 274.

NOTES:

- DISTANCES AND COORDINATE VALUES SHOWN ARE IN FEET BY HORIZONTAL MEASUREMENT.
- HORIZONTAL COORDINATES SHOWN ARE LOUISIANA LAMBERT SOUTH ZONE GRID SYSTEM COORDINATES BASED ON NATIONAL GEODETIC SURVEY'S ONLINE POSITIONING USER SERVICE (OPUS) PROCESSING OF GPS OBSERVATION DATA COLLECTED ON 8/18/2009 & PROCESSED ON 8/21/2009.
- VERTICAL DATUM IS CAIRO DATUM ADJUSTED FROM NAVD88 DATUM OBTAINED FROM OPUS PROCESSING OF GPS OBSERVATION DATA COLLECTED ON 8/18/2009 AND PROCESSED ON 8/21/2009.
- TBM #1 - FLANGE BOLT ON FIRE HYDRANT, ELEV. = 19.05' CAIRO DATUM. TOPOGRAPHIC SURVEY SITE LOCATED IN FLOOD ZONE B BASED ON THE FLOOD INSURANCE RATE MAPS FOR THE CITY OF NEW ORLEANS & ORLEANS PARISH, LA. - COMMUNITY PANEL NO. 225203-0115E, REVISED 3/1/84.
- SEWER MANHOLES WERE SURCHARGED AND THE SURVEY CREW WAS UNABLE TO OBTAIN ANY INVERT ELEVATIONS OR SIZES OF PIPES ENTERING OR EXITING THE STRUCTURE. THE PIPE SIZES SHOWN WERE TAKEN FROM INFORMATION FURNISHED BY SWBNO.
- HIGH WATER MARK ELEV. 23.0' CAIRO DATUM, LOCATED ON RESIDENCE AT 232 SOLOMON STREET.
- GAS LINE SHOWN IS BASED ON PAINTED MARKS LOCATED ALONG SIDEWALK. NO ATTEMPT WAS MADE AS PART OF THE SURVEY TO LOCATE UNDERGROUND UTILITIES.
- BASE FLOOD ELEVATION (B.F.E.) = ELEV. 20.13 CAIRO DATUM. BFE TAKEN FROM ELEVATION CERTIFICATE PREPARED BY DUFRENE SURVEY AND ENGINEERING, INC., DATED JANUARY, 2010.
- 500 YEAR FLOOD ELEVATION = ELEV. 21.93 CAIRO DATUM. 500 YEAR FLOOD ELEVATION TAKEN FROM FEMA FLOOD INSURANCE STUDY, DATED SEPTEMBER 1, 1983.
- SUPPORT PILING FOR ELEVATED PLATFORM SHALL BE REMOVED.
- CONTRACTOR WILL BE ALLOWED TO TEMPORARILY REPLACE EXISTING DRAIN LINE WITH 18" WELDED STEEL PIPE SPANNING THE WIDTH (32 FT) OF THE REQUIRED TEMPORARY RETAINING STRUCTURE (TRS). THE WELDED STEEL PIPE SHALL HAVE A MINIMUM THICKNESS OF 0.375".

CIVIL

REV.	DATE	DESCRIPTION	BY

SEWERAGE AND WATER BOARD OF NEW ORLEANS

CONTRACT 3669
 HURRICANE KATRINA RELATED
 404 HAZARD MITIGATION GRANT PROGRAM
 REPLACEMENT OF SEWAGE LIFT STATION NO. 6

SITE PLAN - EXISTING CONDITIONS AND DEMOLITION

DR. TH/BD	
TRC. ---	
CK. DS/CW	
AP. JH	
SCALE: AS NOTED	DWG. No. 12040-W-63
DATE: JUNE 2011	SHEET NO. 3

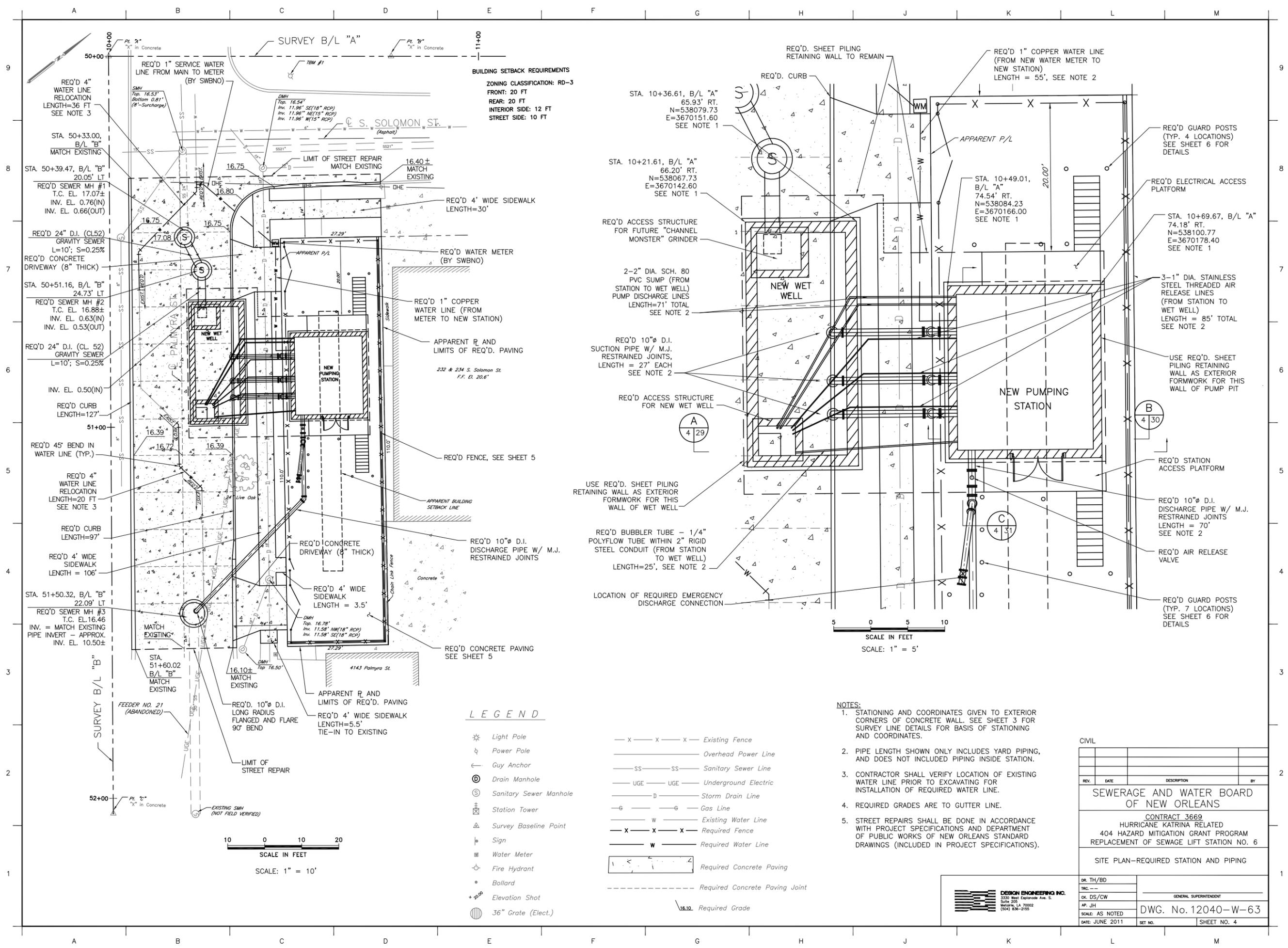


STA. 51+60.02, B/L "B" REQ'D SAWCUT & LIMITS OF REQ'D STREET REPAIR

FEEDER NO. 21 (ABANDONED)

NOTE: LOCATION OF FEEDER IS APPROXIMATE AND WAS SCALED FROM SWBNO PROVIDED SKETCHES

PRINTED Jun 14, 2011 7:29am FILENAME J:\6005.1-FINAL\Contract 3669 - SPS No. 6\SHIT 4_NO 6_REQSITE.dwg



BUILDING SETBACK REQUIREMENTS
 ZONING CLASSIFICATION: RD-3
 FRONT: 20 FT
 REAR: 20 FT
 INTERIOR SIDE: 12 FT
 STREET SIDE: 10 FT

LEGEND

- ☼ Light Pole
- ⚡ Power Pole
- ← Guy Anchor
- ⊙ Drain Manhole
- ⊕ Sanitary Sewer Manhole
- ⊞ Station Tower
- △ Survey Baseline Point
- ⊙ Sign
- ⊙ Water Meter
- ⊙ Fire Hydrant
- ⊙ Bollard
- ⊙ Elevation Shot
- ⊙ 36" Grate (Elect.)
- x - x - x - Existing Fence
- — — — — Overhead Power Line
- SS — SS — Sanitary Sewer Line
- UGE — UGE — Underground Electric
- D — D — Storm Drain Line
- G — G — Gas Line
- W — W — Existing Water Line
- X — X — X — Required Fence
- W — W — Required Water Line
- ▭ Required Concrete Paving
- - - - - Required Concrete Paving Joint
- 16.10 Required Grade

- NOTES:**
- STATIONING AND COORDINATES GIVEN TO EXTERIOR CORNERS OF CONCRETE WALL. SEE SHEET 3 FOR SURVEY LINE DETAILS FOR BASIS OF STATIONING AND COORDINATES.
 - PIPE LENGTH SHOWN ONLY INCLUDES YARD PIPING, AND DOES NOT INCLUDE PIPING INSIDE STATION.
 - CONTRACTOR SHALL VERIFY LOCATION OF EXISTING WATER LINE PRIOR TO EXCAVATING FOR INSTALLATION OF REQUIRED WATER LINE.
 - REQUIRED GRADES ARE TO GUTTER LINE.
 - STREET REPAIRS SHALL BE DONE IN ACCORDANCE WITH PROJECT SPECIFICATIONS AND DEPARTMENT OF PUBLIC WORKS OF NEW ORLEANS STANDARD DRAWINGS (INCLUDED IN PROJECT SPECIFICATIONS).

CIVIL			
REV.	DATE	DESCRIPTION	BY
SEWERAGE AND WATER BOARD OF NEW ORLEANS			
CONTRACT 3669 HURRICANE KATRINA RELATED 404 HAZARD MITIGATION GRANT PROGRAM REPLACEMENT OF SEWAGE LIFT STATION NO. 6			
SITE PLAN-REQUIRED STATION AND PIPING			
DR. TH/BD			
TRC. --			
CK. DS/CW			
AP. JH			
SCALE: AS NOTED	DWG. No. 12040-W-63		
DATE: JUNE 2011	SET NO.		SHEET NO. 4

