

UNDERGROUND TANK DRAWINGS



8120 BELVEDERE ROAD. SUITE #4
WEST PALM BEACH, FLORIDA 33411

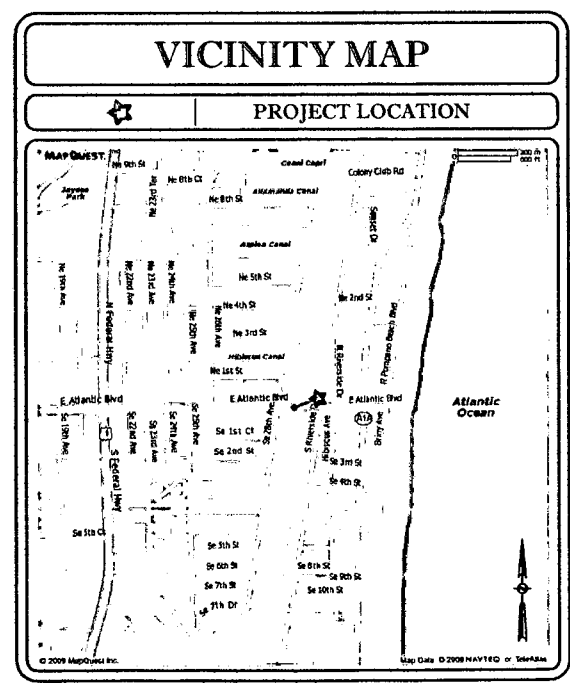
FOR

TAHA MARINE CENTER
3109 E ATLANTIC BLVD
POMPANO BEACH, FLORIDA 33062

PLANS PREPARED BY:



INFINITY ENGINEERING
GROUP, LLC
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Certificate Authorization No. 27889

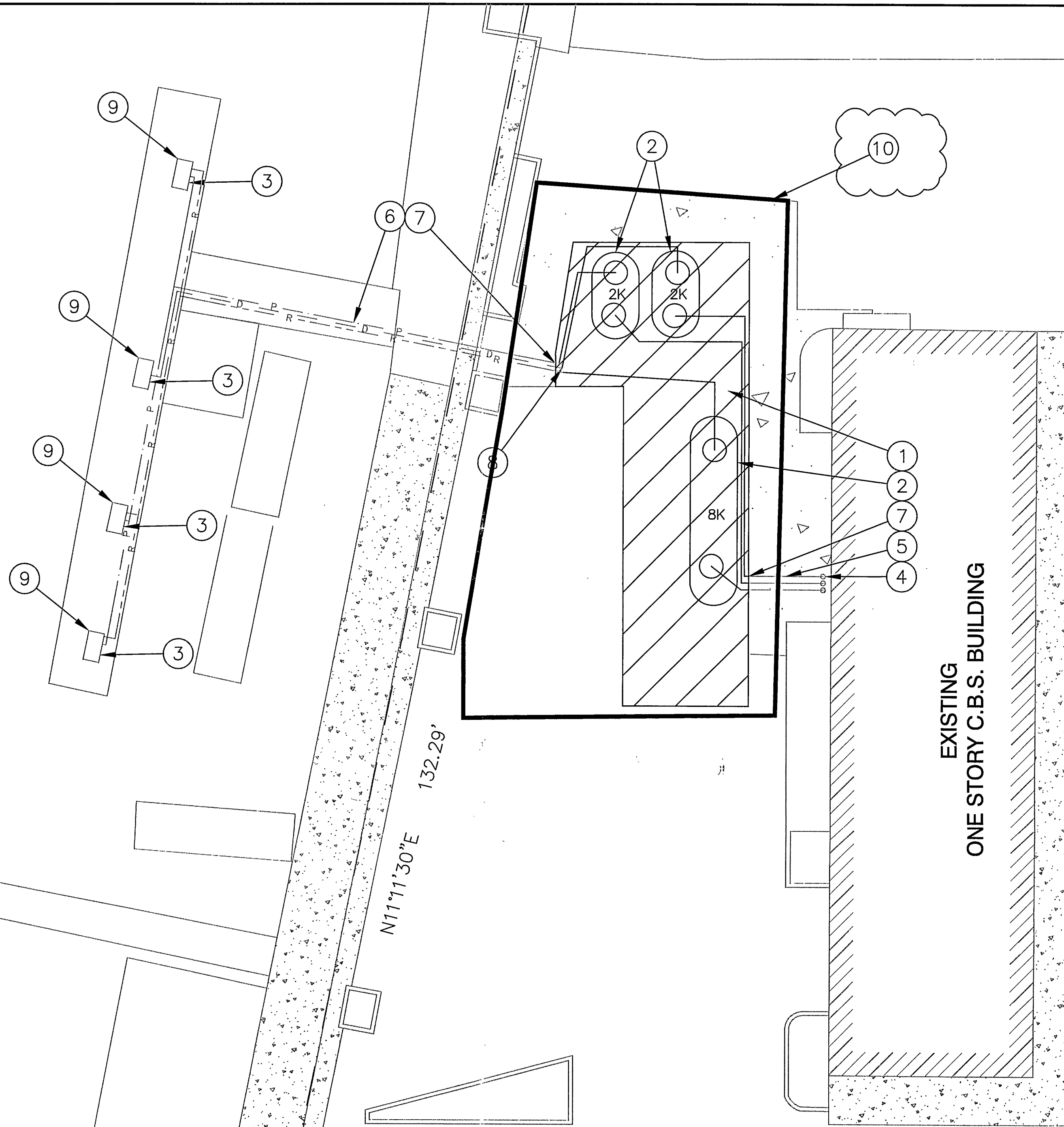


PROJECT LEGEND	
SHEET NO.	SHEET TITLE
CS.1	COVER SHEET
1	DEMOLITION PLAN
2	SITE PLAN
3	DETAILS
4	DETAILS
5	ELECTRICAL DETAILS



IEG JOB NO. 30-34-00

INTRACOASTAL WATERWAY



EXISTING
ONE STORY C.B.S. BUILDING

EXISTING
ONE STORY C.B.S. BUILDING

ATLANTIC BOULEVARD

DEMOLITION NOTES:

- 1. DEMOLITION LIMITS ARE APPROXIMATE. LIMITS TO ALIGN WITH EXISTING CONSTRUCTION JOINTS WHERE PRACTICAL OR TO BE SAWCUT. CONTRACTOR TO CONFIRM EXISTING PIPE ROUTING PRIOR TO CONCRETE DEMOLITION
- 2. EXCAVATED MATERIALS TO BE TESTED FOR EXCESSIVE CONTAMINATION AS DEFINED BY CHAPTER 17-770 FAC. EXCESSIVELY CONTAMINATED MATERIALS TO BE STOCKPILED ON SITE, BURNED AND COVERED WITH VISQUENE PENDING THE RESULT OF PRE-BURN ANALYSIS AND DISPOSAL BY OTHERS. NON-EXCESSIVELY CONTAMINATED MATERIALS TO BE REMOVED AND DISPOSED OF BY CONTRACTOR.

LIMITS OF DEMOLITION

CLEARING AND EROSION CONTROL NOTES

- 1. PROTECTION OF EXISTING STORM SEWER SYSTEMS: DURING CONSTRUCTION, ALL STORM SEWER INLETS IN THE VICINITY OF THE PROJECT SHALL BE PROTECTED BY SEDIMENT TRAPS SUCH AS SECURED HAY BALES, SOD, STONE, ETC., WHICH SHALL BE MAINTAINED AND MODIFIED AS REQUIRED BY CONSTRUCTION PROGRESS.
- 2. ALL DISTURBED AREAS WHICH ARE TO BE SODDED PER FDOT STANDARDS AND MAINTAINED UNTIL A SATISFACTORY STAND OF GRASS ACCEPTABLE TO THE REGULATORY AGENCY AND ENGINEER HAVE BEEN OBTAINED. ANY WASHOUTS, REGRADING, RESEEDING, AND GRASSING WORK, AND OTHER EROSION WORK REQUIRED, WILL BE PERFORMED BY THE CONTRACTOR UNTIL THE SYSTEM IS ACCEPTED FOR MAINTENANCE BY THE REGULATORY AGENCY AND ENGINEER.
- 3. CONTRACTOR IS TO PROVIDE EROSION CONTROL/SEDIMENTATION BARRIER (STRAW BALE OR STAKED SILT FENCE) TO PREVENT SILTATION OF ADJACENT PROPERTY, STREETS, STORM SEWERS, WATERWAYS, AND EXISTING WETLANDS. IN ADDITION, CONTRACTOR SHALL PLACE STRAW, MULCH, OR OTHER SUITABLE MATERIAL ON GROUND IN AREAS WHERE CONSTRUCTION RELATED TRAFFIC IS TO ENTER AND EXIT THE SITE. IF, IN THE OPINION OF THE ENGINEER AND/OR LOCAL AUTHORITIES, EXCESSIVE QUANTITIES OF EARTH ARE TRANSPORTED OFF-SITE EITHER BY NATURAL DRAINAGE OR BY VEHICULAR TRAFFIC, THE CONTRACTOR IS TO RECOVER SAID EARTH TO THE SATISFACTION OF THE ENGINEER AND/OR AUTHORITIES.

ENVIRONMENTAL NOTE:

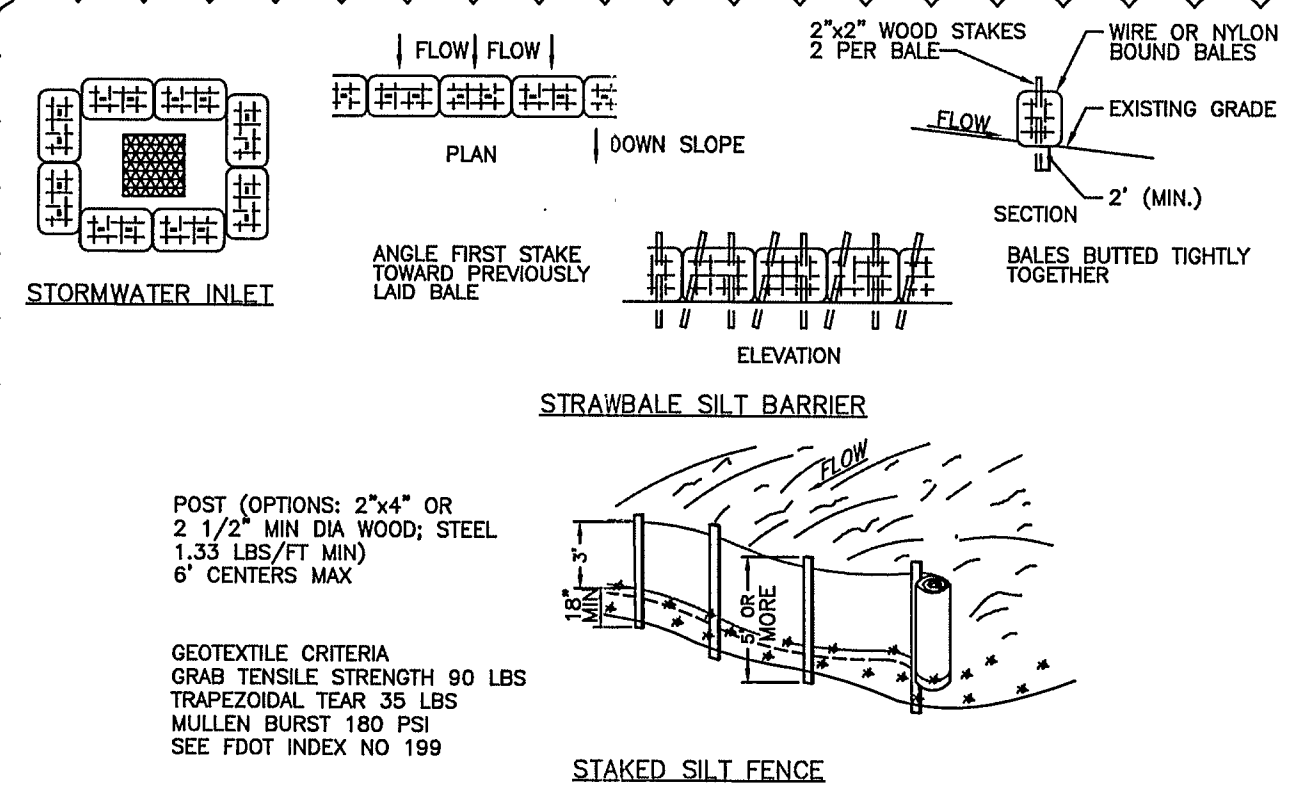
CONTRACTOR TO COORDINATE WITH THE OWNER'S ENVIRONMENTAL CONSULTANT PRIOR TO THE REMOVAL OF ANY MONITORING WELLS OR REMEDIATION SYSTEM EQUIPMENT.

DEMOLITION SCOPE:

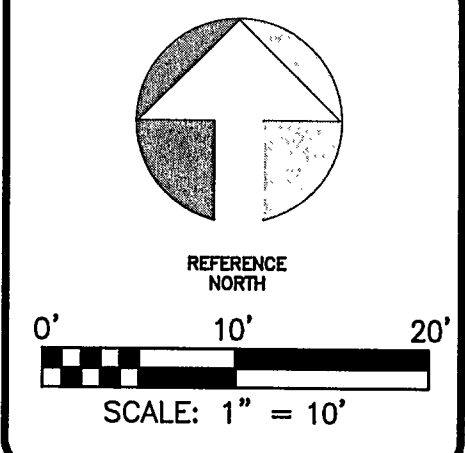
- 1. INSTALL 6" (MIN) HIGH CHAIN LINK FENCE AROUND CONSTRUCTION SITE. MINIMUM PLACEMENT REQUIREMENTS: 2' OFF BACK OF ALL EXISTING CURBS TO REMAIN (MINIMUM) 4' FROM ALL AREAS OF CONSTRUCTION (MINIMUM) 16' FROM ALL STRIPING TO REMAIN IN EXISTING LOT (MINIMUM)

DEMOLITION KEYED NOTES:

- 1. REMOVE CONCRETE AS NEEDED FOR REMOVAL OF EXISTING TANKS AND INSTALLATION OF PROPOSED TANKS
- 2. EXCAVATE AND REMOVE THREE (3) EXISTING UNDERGROUND STORAGE TANKS, TANK TOP EQUIPMENTS
- 3. EXISTING DISPENSER SUMPS, DOUBLE WALL PRODUCT PIPING TO BE REMAIN
- 4. EXISTING VENT RISER TO REMAIN
- 5. EXISTING DOUBLE WALL VENT LINE TO REMAIN
- 6. EXISTING DOUBLE WALL PRODUCT PIPING TO REMAIN
- 7. REMOVED PIPING TO THIS POINT
- 8. CAPPED EXISTING STAGE II PIPING AT EACH END AND ABANDON IN PLACE
- 9. EXISTING DISPENSERS TO BE REMOVED
- 10. EROSION CONTROL



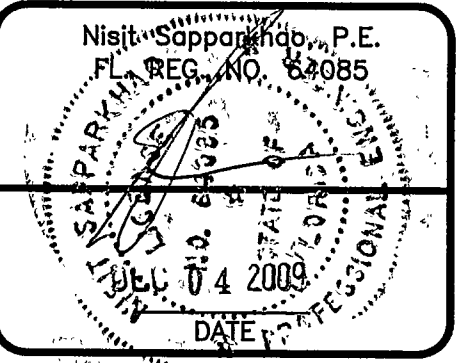
EROSION CONTROL DETAIL



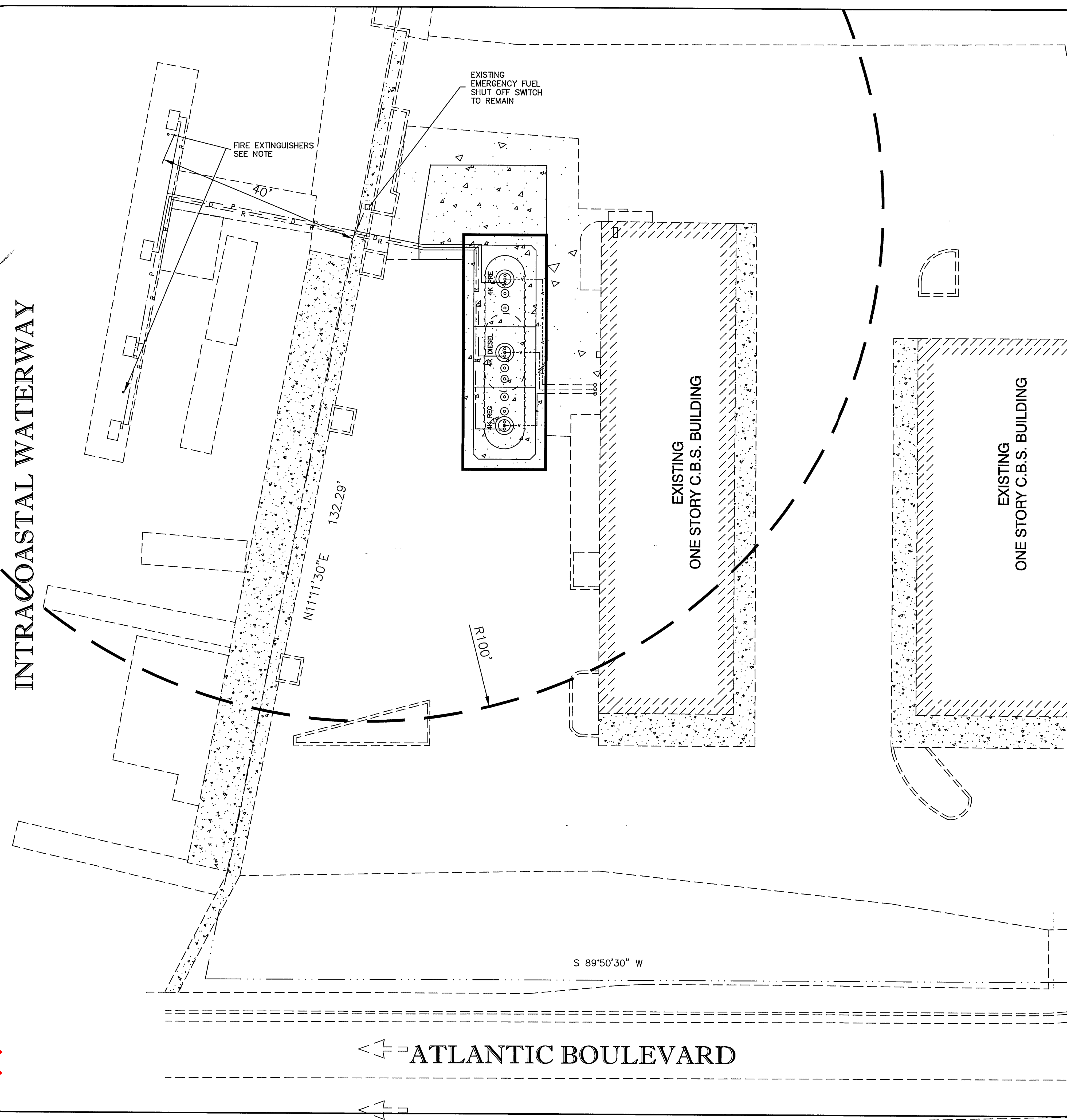
No.	REVISION PER CITY	Revision/Issue	Date
1			2/04/09

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Client Name and Address
SURGE Solutions Group, Inc.
8120 BELVEDERE RD. SUITE 4
WEST PALM BEACH, FL 33411



Office of the Plan Review
CEM-TAHA MARINE CENTER
3109 E. ATLANTIC BLVD
POMPANO BEACH, FL 33062
Sheet Title
DEMOLITION PLAN
Project No. 30-34-00
Date 10/02/09
Scale AS NOTE
Sheet 1



The site plan illustrates the proposed 100,000 sq. ft. building, which is a rectangular structure with a central core area. The building is situated on a lot bounded by Atlantic Boulevard to the north and the Intracoastal Waterway to the east. The plan includes the following details:

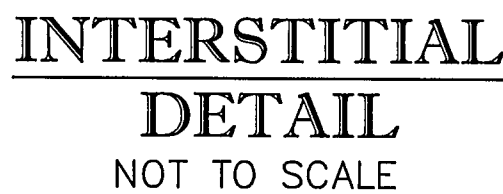
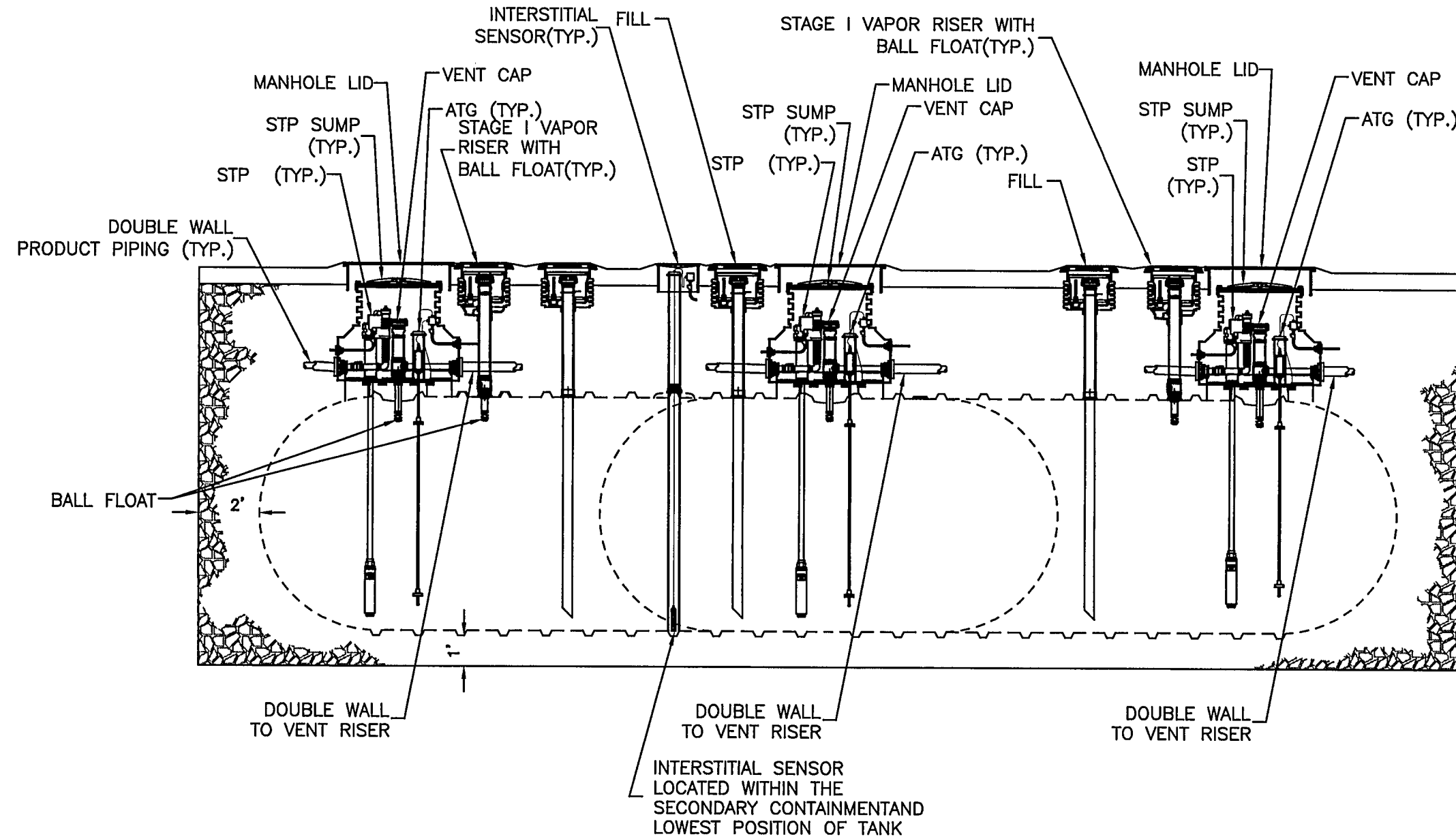
- Proposed Building:** A large rectangular footprint with a central core area containing circular symbols, likely representing mechanical or electrical equipment. The building is labeled "PROPOSED 100,000 SQ. FT. BUILDING".
- Existing Structures:** Two existing one-story C.B.S. buildings are shown to the south of the proposed building, labeled "EXISTING ONE STORY C.B.S. BUILDING".
- Access and Easements:** A dashed line indicates a proposed access or easement from the proposed building to the existing structures, labeled "PROPOSED ACCESS/EASEMENT".
- Survey Data:** The plan includes survey measurements: "N11°11'30"E 132.29'" for the boundary between the proposed building and the existing structures, and "S 89°50'30" W" for the boundary between the proposed building and the Intracoastal Waterway.
- Infrastructure:** The Intracoastal Waterway is shown to the east of the proposed building, and Atlantic Boulevard is shown to the north. A "TEMPORARY FENCE" is indicated along the northern boundary of the proposed building.
- Other Features:** The plan also shows a "PROPOSED DRIVE" and a "PROPOSED EASEMENT" along the northern boundary of the proposed building.

Sheet

2.2

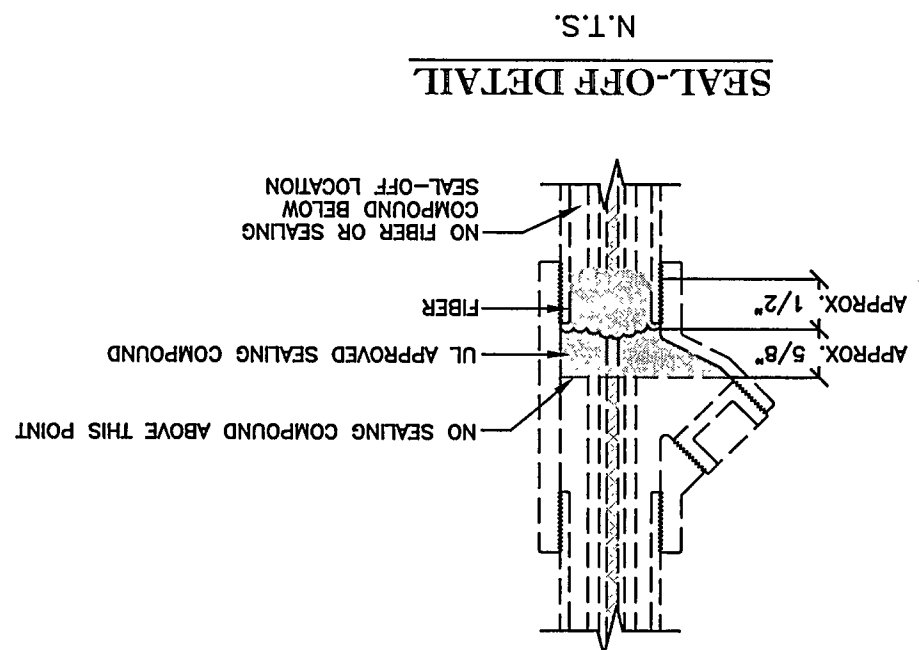


TANK ANCHORING NOTE:
INSTALL TWO DEADMAN ANCHORS PER TANK
PER TANK MANUFACTURER'S INSTRUCTIONS.
TANK SLAB 8" MIN. THICKNESS

[illegible]

1. ALL WORK SHALL BE PERFORMED IN THE ACCORDANCE TO THE 2008 EDITION OF THE NATIONAL ELECTRICAL CODE AND APPLICABLE LOCAL ORDINANCES.
2. VERIFY ALL MECHANICAL EQUIPMENT SIZES PRIOR TO CONNECTION.
3. COORDINATE ALL INSTALLATIONS WITH OTHER TRADES.
4. ALL ELECTRICAL CONSTRUCTION IN THE AREA OF THE UNDERGROUND STORAGE TANK SHALL BE PER NEC ARTICLE 514 AND NFPA-30A.
5. ALL INTRINSICALLY SAFE (S) WIRING SHALL BE PER NEC ARTICLE 504 AND ANSI/SAA RP 12.6, IN ADDITION, SPECIAL (S) WIRING REQUIREMENTS FOR THE UNDERGROUND STORAGE TANK LEAK SENSORS INCLUDE SEPARATION FROM OTHER WIRING VIA SEPARATE RACKWAYS (INCLUDING TROUSERS) WHERE PRACTICAL, OR PERMANENTLY ATTACHED, METAL DIVIDER.
6. PROVIDE AND INSTALL POURED SEALING FITTINGS AT BOTH ENDS OF ALL CONDUITS FROM DISPENSERS & UG FUEL TANKS.
7. REFERENCE MANUFACTURER INSTALLATION MANUALS FOR UNDERGROUND STORAGE FUEL TANK EQUIPMENT WIRING INTERCONNECTIONS.
8. ALL CONDUCTORS SHALL BE STRANDED WITH THWN/THHN INSULATION.
9. ELECTRICAL CONTRACTOR TO VERIFY EXISTING CONDUIT, CONDUCTORS, REUSE IF EXISTING CONDITION ARE COMPLY WITH CURRENT CODE.
10. EC SHALL VERIFY THAT SEAL-OFFS ARE USED AT EACH END OF CONDUITS AND SEAL-OFFS PER DETAIL THIS SHEET.

- (1) EXPLOSION PROOF JUNCTION BOX. CROUSE-HINDS GAUX OR EQUAL (TYPICAL).
- (2) 3-#12 & 1-#12 GND. 3/4" STP PWR. TIE TO EXISTING TWO POLES BREAKER AND STP RELAYS
- (3) 2/C #18 SHL'D (SPARE) & 2/C #18 SHL'D (INTERSTITIAL SENSOR), 2/C #18 SHL'D (TANK GAUGE SENSOR), 2/C #18 SHL'D (SUMP FLAT SENSOR) & 2/C #18 SHL'D (LINE LEAK SENSOR), 1"C.
- (4) 2/C #18 SHL'D (SPARE), 2/C #18 SHL'D (INTERSTITIAL SENSOR), 2/C #18 SHL'D (TANK GAUGE SENSOR), 2/C #18 SHL'D (SUMP FLAT SENSOR) & 2/C #18 SHL'D (LINE LEAK SENSOR), 1"C.
- (5) 2/C #18 SHL'D (SPARE), 2/C #18 SHL'D (TANK GAUGE SENSOR), 2/C #18 SHL'D (SUMP FLAT SENSOR) & 2/C #18 SHL'D (LINE LEAK SENSOR), 1"C. ROUTE TO FUEL TANK MONITOR PANEL THROUGH (S) WIREWAYS.
- (6) NEW TANK MONITOR TLS-350. EC TO PROVIDE AND INSTALL 2-#12 TO EXISTING PANELBOARD WITH NEW 1P/20A CIRCUIT BREAKER. AID RATING SHALL MATCH EXISTING.
- (7) PROPOSED STP - RELAY CONTROL TYPICAL OF THREE (3) DIESEL / PREMIUM / PLUS. RED JACKET, 120V COIL TWO POLES.
- (8) EXISTING "F" PANEL, 1P#, 3W, 100A MLO, 20CKT CIRCUIT BREAKER PANELBOARD, SEE PANEL SCHEDULE THIS SHEET.
- (9) EXISTING 12' X 12' X 4' NEMA 3R J-BOX TO REMAIN.
- (10) EXISTING PANELBOARD "A" 200A, 1P#, FEEDS PANEL "F" THRU SPACE 12-14, 100AMP SHUNT TMR BRKR.



(1) PHASE VA AND AMPS SHOWN ARE THE CONNECTED LOADS. TOTAL CALCULATED AMPS ARE THE AMPS DERIVED AND CALCULATED PER NEC.

[illegible]

N.T.S.

HA MARINE CENTER
3109 E ATLANTIC BLVD
POMPAHO BEACH, FL 33062

ELECTRICAL DETAILS

9

Project No. 30-34.00
Date 10/02/09
Scale As Noted

8120 BELVEDERE RD. SUITE 4
WEST PALM BEACH, FL 33411



SURGE
Solutions Group, Inc.

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APOLLO BEACH, FLORIDA 33572

INFINITY ENGINEERING
GROUP, LLC

[illegible]

DRC
PZ20-12000051
5/5/21

REVISION

9-9490

6
F.D.

CITY FILE COPY

Building Code in Effect
Florida Building Code

THIS PLAN IS APPROVED
SUBJECT TO ALL CODE OF THE
CITY OF POMPANO BEACH
106.7 Approved Plans

The permit holder shall maintain and keep
this set at the building site during the
hours of work in progress and available
for mandatory inspection.

ZONING: _____
Zoning Admin. Date

LANDSCAPE: _____
Inspector Date

ENGINEERING: _____
Inspector Date

BUILDING: _____
Plans Examiner Date

PLUMBING: _____
Plans Examiner Date

AIR COND: _____
Plans Examiner Date

ELECTRICAL: M. J. B. 4/14/12
Plans Examiner Date

IRE: _____
Plans Examiner Date

BUILDING PERMIT#: 4.14.10 9/8

DATE ISSUED: _____

DRC

PZ20-12000051

5/5/21