

October 8, 2019

**BOARD OF COUNTY COMMISSIONERS
ORANGE COUNTY, FLORIDA
ADDENDUM NO. 1/IFB Y20-718-TA**

**SOUTHWEST MARRIOTT PS#3597
ODOR CONTROL SYSTEM**

BID OPENING DATE: October 24, 2019

This Addendum is hereby incorporated into the bid documents of the project referenced above. The following items are clarifications, corrections, additions, deletions and/or revisions to and shall take precedence over the original documents. Additions are indicated by underlining, deletions are indicated by ~~strikethrough~~.

A. QUESTIONS AND ANSWERS

Question No. 1: On sheet 8 of 13 you show a wall penetration detail. How thick is the wall?

Response No.1: Wall thickness of 30-inches is referenced on revised sheet C-200 on the Typical Wall Penetration Detail.

Question No. 2: On sheet 8 of 13 you show a wall penetration detail. Is there a liner system? If so, which system?

Response No.2: Yes, the existing lining system is Tnemec Series 436 Perma-Shield.

Question No. 3: Are there any mechanical drawings, other than D-200, showing the placement of the odor control system and ductwork?

Response No. 3: No, layouts will vary by Contractor.

Questions No. 4: Are there any I&C, SCADA or RTU requirements for this project or the Odor Control system completely local?

Response No. 4: Refer to drawings and specifications.

Question No. 5: Has the County considered lowering the 25% W/MBE requirement for this project as there isn't much subcontracted work?

Response No. 5: The goal shall remain at 25%.

Question No. 6: With regard to the above project, and in particular specification section 113210 – Packaged two-stage odor control system, we have the following question regarding interpretation of the specifications – Paragraph 2.03. B refers to a Recirculation and Nutrient Addition System. BioAir are listed as a County approved vendor in Appendix D :List of Approved Products” and have installed multiple biotrickling filters / packaged two-stage odor control systems for the county. The BioAir biotrickling filter does not use a recirculation system and none of the existing County BioAir systems uses a recirculation system. May we continue to provide the County with our standard equipment operating with a single pass irrigation operation? A nutrient addition system will be supplied as specified.

Response No. 6: In Section 11310, 1.01.A, add the following sentence to the end of the paragraph: “A single pass irrigation system is an acceptable alternative to a multipass recirculation system”.

Please note that all other requirements included in the drawings and specification will be enforced, including the requirement for a separate activated carbon adsorber and two grease/mist eliminators as shown on Drawing G-300.

B. DRAWINGS

1. ~~Delete G-200~~ and replace with Revised Sheet C-200, Concrete work on the west side of the property removed.
2. Delete C-300 and replace with Revised Sheet C-300, Concrete work on the west side of the property removed.

C. ACKNOWLEDGEMENT OF ADDENDA

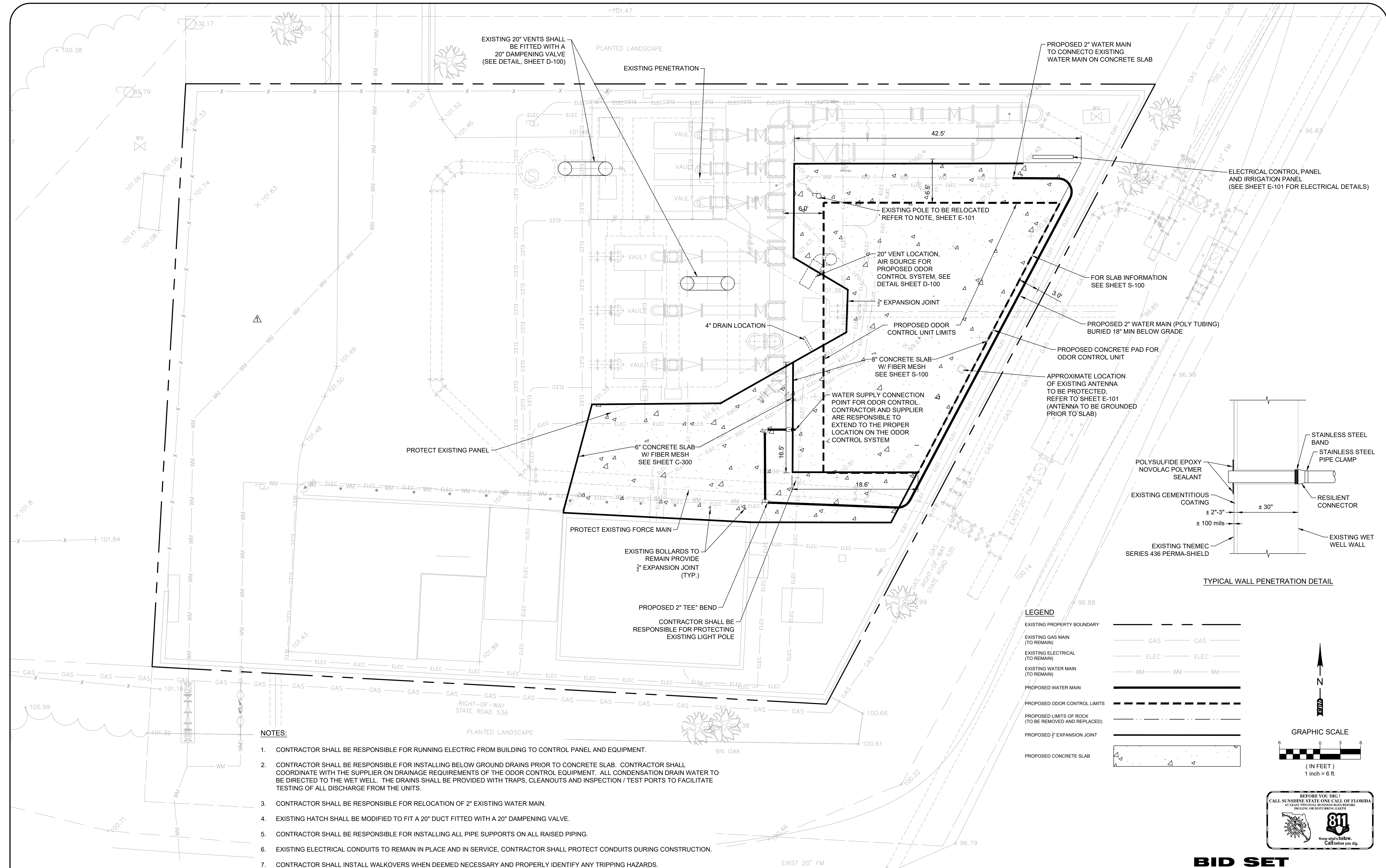
- a. The Bidder shall acknowledge receipt of this Addendum by completing the applicable section in the solicitation or by completion of the acknowledgement information on the Addendum. Either form of acknowledgement must be completed and returned not later than the date and time for receipt of bid.
- b. All other terms, conditions and specifications of the IFB remain the same.
- c. Receipt acknowledged by:

Authorized Signature

Date Signed

Title

Name of Firm



EXISTING 20" VENTS SHALL BE FITTED WITH A 20" DAMPENING VALVE (SEE DETAIL, SHEET D-100)

PROPOSED 2" WATER MAIN TO CONNECT TO EXISTING WATER MAIN ON CONCRETE SLAB

ELECTRICAL CONTROL PANEL AND IRRIGATION PANEL (SEE SHEET E-101 FOR ELECTRICAL DETAILS)

EXISTING POLE TO BE RELOCATED REFER TO NOTE, SHEET E-101

20" VENT LOCATION, AIR SOURCE FOR PROPOSED ODOR CONTROL SYSTEM, SEE DETAIL SHEET D-100

FOR SLAB INFORMATION SEE SHEET S-100

4" DRAIN LOCATION

PROPOSED ODOR CONTROL UNIT LIMITS

PROPOSED 2" WATER MAIN (POLY TUBING) BURIED 18" MIN BELOW GRADE

PROPOSED CONCRETE PAD FOR ODOR CONTROL UNIT

APPROXIMATE LOCATION OF EXISTING ANTENNA TO BE PROTECTED, REFER TO SHEET E-101 (ANTENNA TO BE GROUNDED PRIOR TO SLAB)

PROTECT EXISTING PANEL

6" CONCRETE SLAB W/ FIBER MESH SEE SHEET C-300

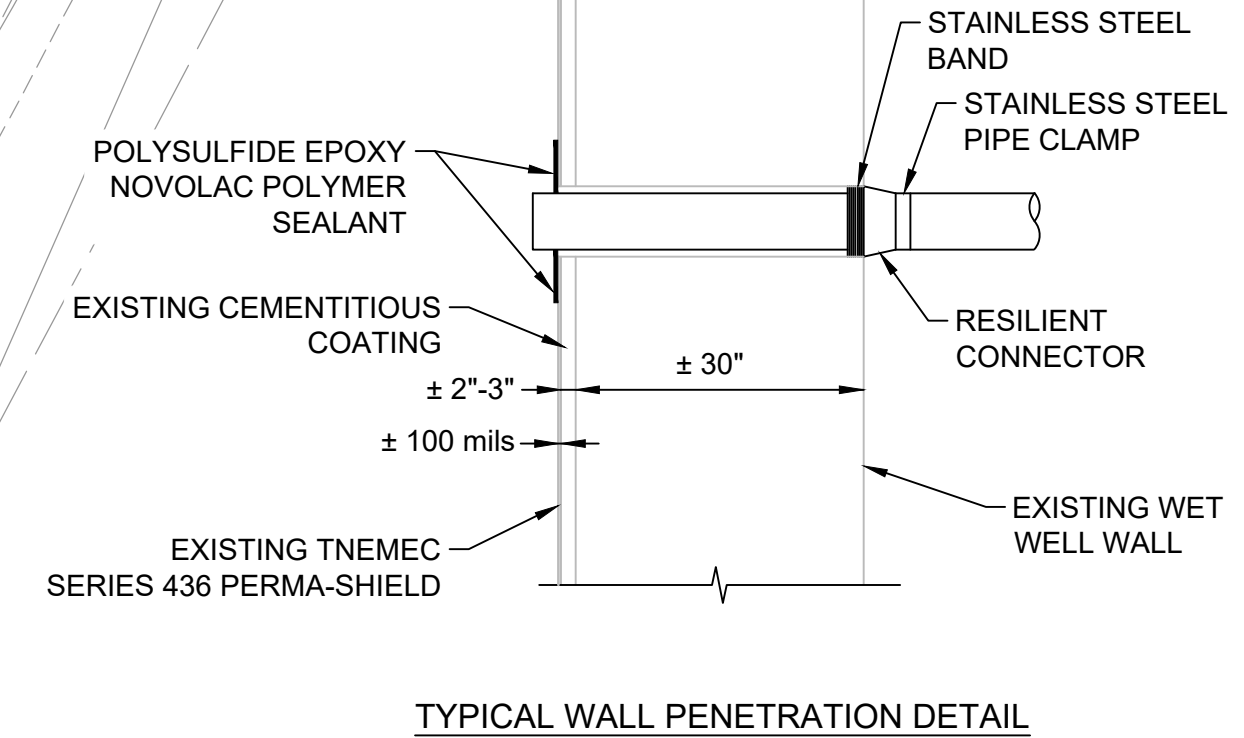
8" CONCRETE SLAB W/ FIBER MESH SEE SHEET S-100

WATER SUPPLY CONNECTION POINT FOR ODOR CONTROL. CONTRACTOR AND SUPPLIER ARE RESPONSIBLE TO EXTEND TO THE PROPER LOCATION ON THE ODOR CONTROL SYSTEM

PROTECT EXISTING FORCE MAIN

EXISTING BOLLARDS TO REMAIN PROVIDE 1/2" EXPANSION JOINT (TYP.)

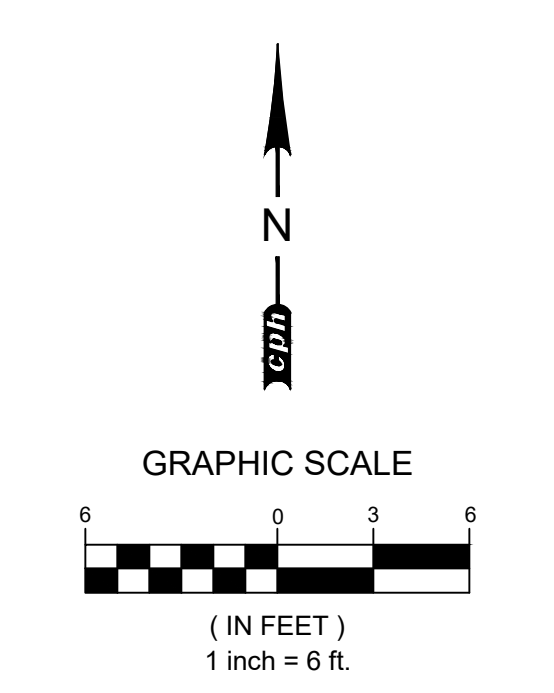
PROPOSED 2" TEE BEND CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING EXISTING LIGHT POLE



TYPICAL WALL PENETRATION DETAIL

LEGEND

EXISTING PROPERTY BOUNDARY	---
EXISTING GAS MAIN (TO REMAIN)	GAS GAS
EXISTING ELECTRICAL (TO REMAIN)	ELEC ELEC
EXISTING WATER MAIN (TO REMAIN)	WM WM
PROPOSED WATER MAIN	---
PROPOSED ODOR CONTROL LIMITS	---
PROPOSED LIMITS OF ROCK (TO BE REMOVED AND REPLACED)	---
PROPOSED 1/2" EXPANSION JOINT	---
PROPOSED CONCRETE SLAB	---



- NOTES:**
- CONTRACTOR SHALL BE RESPONSIBLE FOR RUNNING ELECTRIC FROM BUILDING TO CONTROL PANEL AND EQUIPMENT.
 - CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING BELOW GROUND DRAINS PRIOR TO CONCRETE SLAB. CONTRACTOR SHALL COORDINATE WITH THE SUPPLIER ON DRAINAGE REQUIREMENTS OF THE ODOR CONTROL EQUIPMENT. ALL CONDENSATION DRAIN WATER TO BE DIRECTED TO THE WET WELL. THE DRAINS SHALL BE PROVIDED WITH TRAPS, CLEANOUTS AND INSPECTION / TEST PORTS TO FACILITATE TESTING OF ALL DISCHARGE FROM THE UNITS.
 - CONTRACTOR SHALL BE RESPONSIBLE FOR RELOCATION OF 2" EXISTING WATER MAIN.
 - EXISTING HATCH SHALL BE MODIFIED TO FIT A 20" DUCT FITTED WITH A 20" DAMPENING VALVE.
 - CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING ALL PIPE SUPPORTS ON ALL RAISED PIPING.
 - EXISTING ELECTRICAL CONDUITS TO REMAIN IN PLACE AND IN SERVICE. CONTRACTOR SHALL PROTECT CONDUITS DURING CONSTRUCTION.
 - CONTRACTOR SHALL INSTALL WALKOVERS WHEN DEEMED NECESSARY AND PROPERLY IDENTIFY ANY TRIPPING HAZARDS.

REV	DATE	DESCRIPTION
1	10/4/2019	ADDENDUM #1

LINE IS 2 INCHES AT FULL SIZE (IF NOT SCALE ACCORDINGLY)

ORANGE COUNTY GOVERNMENT

ORANGE COUNTY UTILITIES DEPARTMENT ENGINEERING DIVISION

9150 CURRY FORD ROAD ORLANDO, FL. 32825

cph

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Survey L.B. No. 7143
Arch. Lic. No. AA2600926
Landscape Lic. No. LC0000298

SITE PLAN - ODOR CONTROL SYSTEM

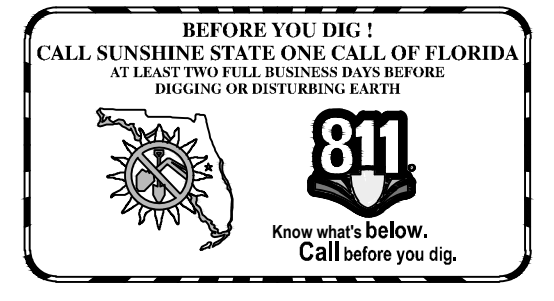
SOUTHWEST MARRIOTT PUMP STATION #3579

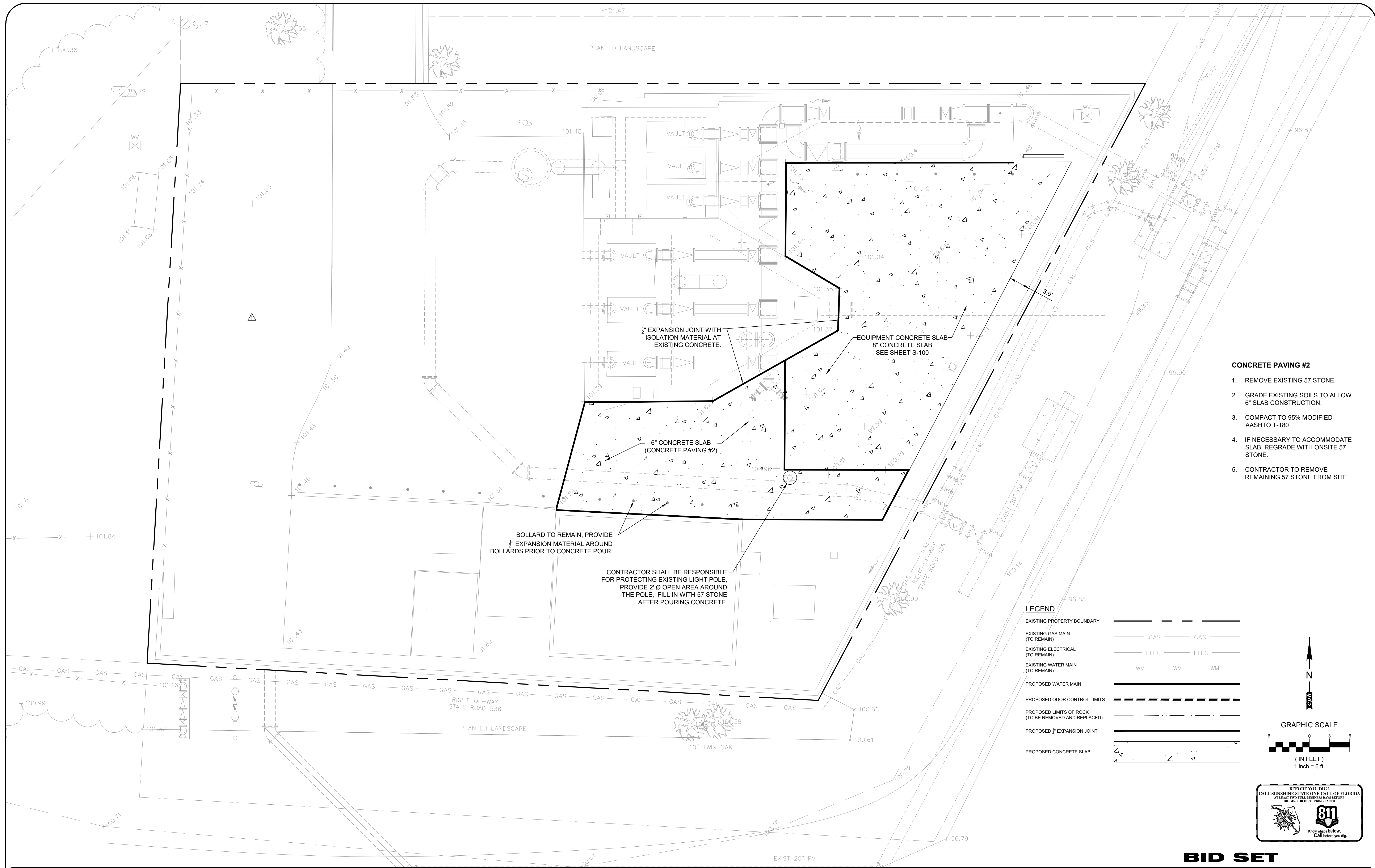
ODOR CONTROL SYSTEM

BID SET

OCU FILE NO.: 80046	SCALE: x
DESIGNED BY: MG	DRAWING NO.: C-200
DRAWN BY: CKJ	SHEET: 5 OF 13
CHECKED BY: DEM	
CADD FILE: O28518 C-200.dwg	

MASON GARDBERG, P.E.
PROFESSIONAL ENGINEER
FLORIDA LICENSE # 86595





- CONCRETE PAVING #2**
1. REMOVE EXISTING 57 STONE.
 2. GRADE EXISTING SOILS TO ALLOW 6" SLAB CONSTRUCTION.
 3. COMPACT TO 95% MODIFIED AASHTO T-180
 4. IF NECESSARY TO ACCOMMODATE SLAB, REGRADE WITH ONSITE 57 STONE.
 5. CONTRACTOR TO REMOVE REMAINING 57 STONE FROM SITE.

LEGEND

- EXISTING PROPERTY BOUNDARY: - - - - -
- EXISTING GAS MAIN (TO REMAIN): GAS — GAS
- EXISTING ELECTRICAL (TO REMAIN): ELEC — ELEC
- EXISTING WATER MAIN (TO REMAIN): WM — WM
- PROPOSED WATER MAIN: ———
- PROPOSED ODOR CONTROL LIMITS: - - - - -
- PROPOSED LIMITS OF ROCK (TO BE REMOVED AND REPLACED): - · - · -
- PROPOSED 3/4" EXPANSION JOINT: ———
- PROPOSED CONCRETE SLAB: ▴ ▴ ▴

GRAPHIC SCALE

(IN FEET)
1 inch = 6 ft.



BID SET

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AT FULL SIZE
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Landscape Lic. No. LC0000298

**SITE PLAN - CONCRETE PAVING
SOUTHWEST MARRIOTT PUMP STATION #3597
ODOR CONTROL SYSTEM**

OCU FILE NO.: 80046	SCALE: x
DESIGNED BY: MG	DRAWING NO.:
DRAWN BY: CKJ	C-300
CHECKED BY: DEM	SHEET: 6 OF 13
CADD FILE: O28518 C-300.dwg	

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