

**ADDENDUM No. 3 – May 2<sup>nd</sup>, 2016**

**BID NO. IFB 16-115, FINANCE PROJECT No. MP 1601 and LS 1601**

**TROPICAL DRIVE AND BARTON ROAD IMPROVEMENTS**

Each recipient of this Addendum No. 3 to the Invitation for Bid (IFB) who responds to the IFB acknowledges all of the provisions set forth in the IFB and agrees to be bound by the terms thereof. This addendum shall modify, clarify, change or add information and clarification and become part of the above referenced IFB.

**The following is a list of questions/comments received (responses are listed in bold below each question):**

Questions from Southern Underground Industries:

1. The typical sections on Sheets C100 and C101 depict the construction of a 6" flush header curb or curb and gutter on either side of the roadway. Please confirm whether new curbs are proposed or if existing is to remain. If new curbs proposed, please add a line items so that all bidders are sure to include in their price Takeoff of plans shows significantly less 4" concrete sidewalk than bid schedule, has engineer assumed that sidewalk behind 6" drive aprons to be 4"?

**Sheets C100 and C101 were revised to show existing 6" flush header curb to remain. The only header curb to be removed and replaced will be at those locations required for water main installation and at proposed curb ramps. Curb will also be removed at every indicated point on the drawings where the solid gray hatching (Roadway and Curb Reconstruction) meets the existing curb.**

2. The plans depict speed tables labeled at "Reconstruct Speed Table" on sheets C214, C216 on Barton Road, but the detail provided on Sheet C603 is merely a striping detail for the speed humps. Please confirm if only the section of the speed hump damaged is to be reconstructed or if the entire speed hump is to be demolished and reconstructed prior to milling & resurfacing. Please also provide a cross-section depicting height of the speed hump and any special base required.

**An Asphalt Speed Hump Detail was added to Sheet C501 to address the reconstruction of existing speed table as indicated on the drawings.**

**The following changes/clarifications are hereby incorporated into the bid documents/project specifications as follows:**

**REVISION TO DRAWINGS**

1. REPLACE Sheet C100 and Sheet C101 with ATTACHED Sheet C100 and Sheet C101.
2. REPLACE Sheet C208, C218 and Sheet C302 with ATTACHED Sheet C208, C218 and Sheet C302.
3. REPLACE Sheet C501 with ATTACHED Sheet C501.

**GENERAL COMMENT**

Proposers must acknowledge receipt of this Addendum No. 3 in the space provided below. This Addendum forms an integral part of the IFB documents and therefore must be executed and submitted with you proposal.

Issued By: City of Lake Worth  
Finance Office  
May 2<sup>nd</sup>, 2016

Signed By: *Hint Darg*  
Purchasing Agent

**PROPOSER/Company**

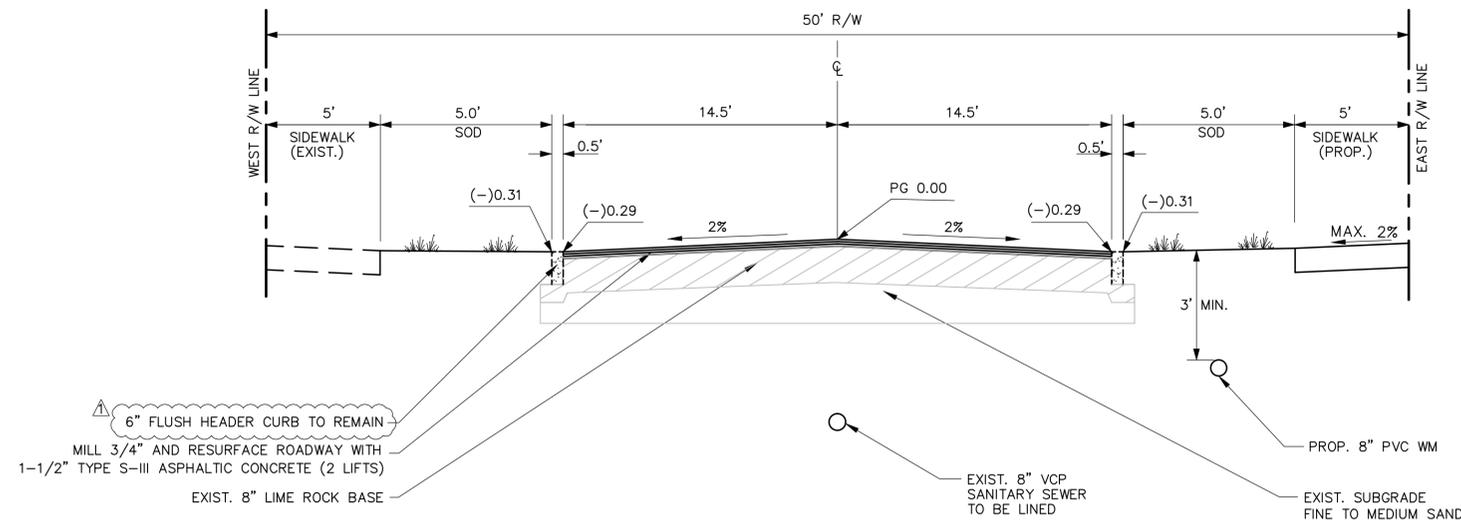
Company Name: \_\_\_\_\_

Signed By: \_\_\_\_\_ Print Name: \_\_\_\_\_

Title: \_\_\_\_\_

Date: \_\_\_\_\_

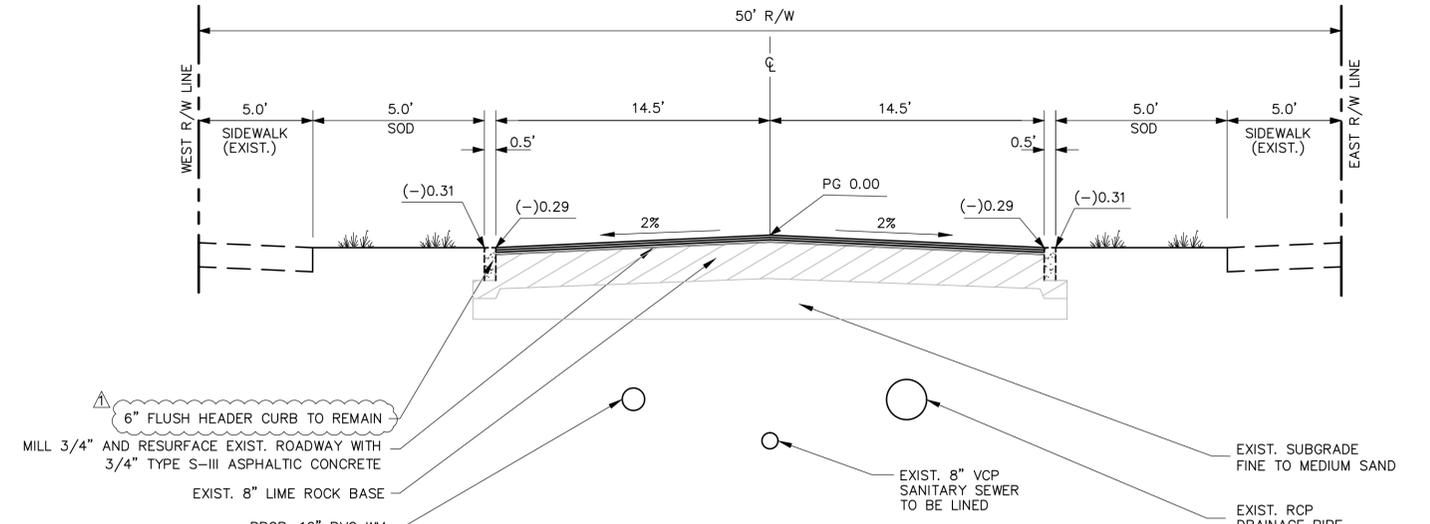
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**TROPICAL DRIVE  
PROPOSED TYPICAL SECTION  
MILLING AND RESURFACING  
ROADWAY**

ASPHALTIC PAVEMENT SECTION:

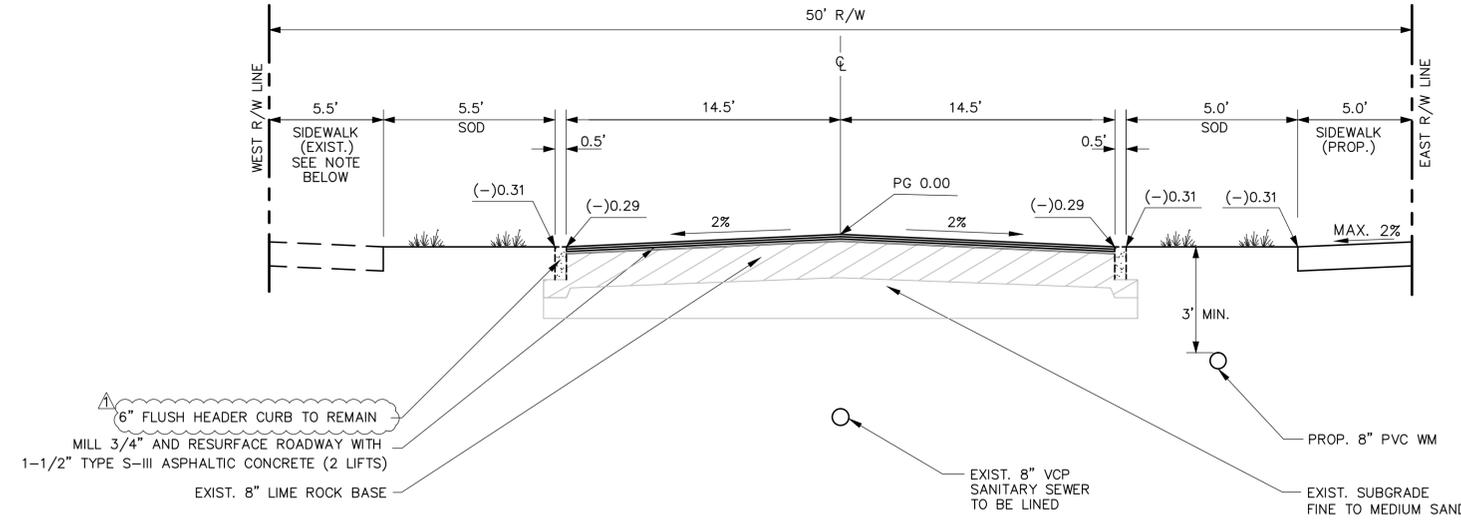
LAYER	COEF.	TOTAL
1-1/2" TYPE S-III A.C.S.C.	0.44	0.66
8" LIMEROCK BASE COURSE	0.18	1.44
12" STABILIZED SUBGRADE	0.08	0.96
TOTAL STRUCTURAL NUMBER		3.06



**BARTON ROAD  
PROPOSED TYPICAL SECTION  
MILLING AND RESURFACING  
ROADWAY**

ASPHALTIC PAVEMENT SECTION:

LAYER	COEF.	TOTAL
1-1/2" TYPE S-III A.C.S.C.	0.44	0.33
8" LIMEROCK BASE COURSE	0.18	1.44
12" STABILIZED SUBGRADE	0.08	0.96
TOTAL STRUCTURAL NUMBER		2.73

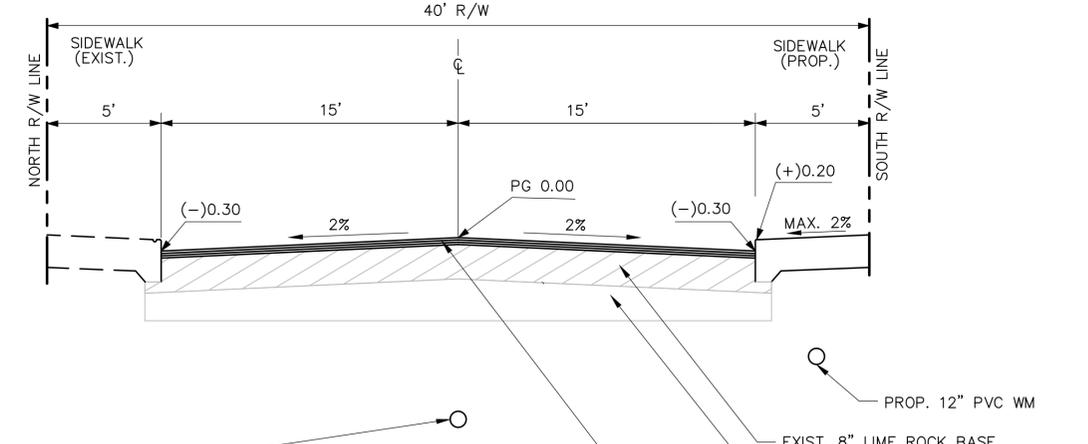


**SOUTH RIDGE STREET  
PROPOSED TYPICAL SECTION  
MILLING AND RESURFACING  
ROADWAY**  
N.T.S.

ASPHALTIC PAVEMENT SECTION:

LAYER	COEF.	TOTAL
1-1/2" TYPE S-III A.C.S.C.	0.44	0.66
8" LIMEROCK BASE COURSE	0.18	1.44
12" STABILIZED SUBGRADE	0.08	0.96
TOTAL STRUCTURAL NUMBER		3.06

- NOTES:**
- CONSTRUCT NEW SIDEWALK ON WEST SIDE OF SOUTH RIDGE STREET BETWEEN STATION 0+35 (+/-) TO STATION 2+65 (+/-) AND FROM 6+39 (+/-) TO STATION 7+16 (+/-). MATCH EXISTING SIDEWALK GRADES. PROVIDE 2% CROSS SLOPE TO ROADWAY.
  - CONTRACTOR TO REPLACE ALL REMOVED OR DAMAGED SOD.
  - CONTRACTOR TO REMOVE AND REPLACE 6" FLUSH HEADER CURB ONLY AT LOCATIONS REQUIRED FOR WATER MAIN AND CURB RAMPS INSTALLATION.

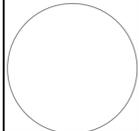


**SOUTH ROAD  
PROPOSED TYPICAL SECTION  
MILLING AND RESURFACING  
ROADWAY**  
N.T.S.

ASPHALTIC PAVEMENT SECTION:

LAYER	COEF.	TOTAL
1-1/2" TYPE S-III A.C.S.C.	0.44	0.66
8" LIMEROCK BASE COURSE	0.18	1.44
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TOTAL STRUCTURAL NUMBER		3.06

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CERT. OF AUTHORIZATION NO. 1213



DATE: \_\_\_\_\_  
ENGINEER OF RECORD:  
RALPH HAYDEN, PE  
FL. REG. NUMBER: 20844

#	Date	Revision Description
1	05/02/16	ROADWAY TYPICAL SECTIONS -- ADDENDUM #3

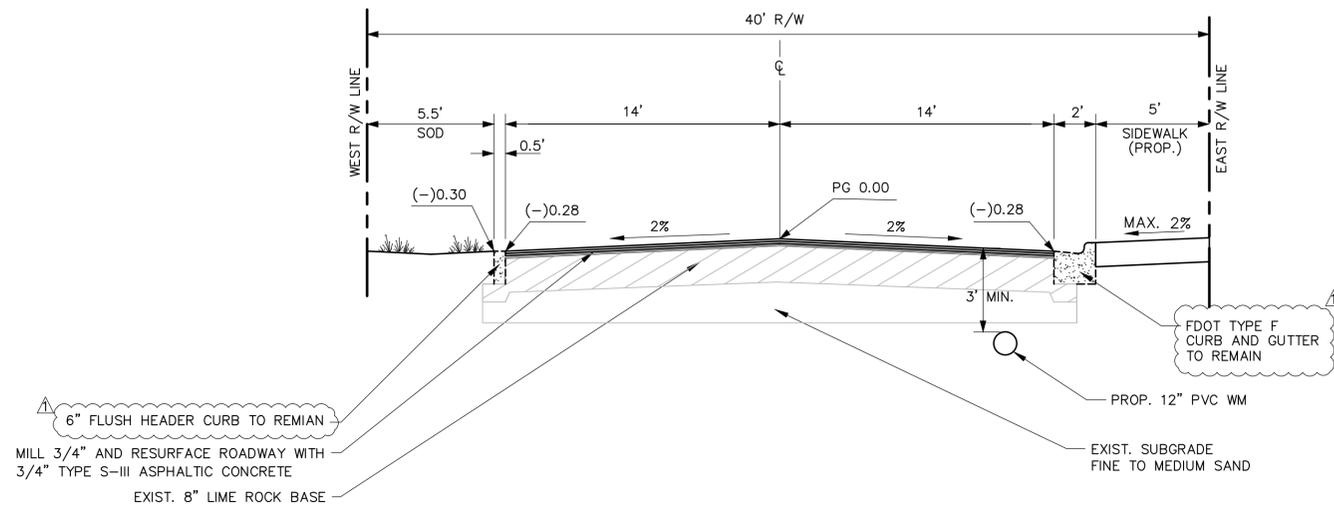


**CITY OF LAKE WORTH  
INFRASTRUCTURE IMPROVEMENTS  
PALM BEACH COUNTY, FLORIDA  
TROPICAL DRIVE & BARTON ROAD**

ROADWAY TYPICAL SECTIONS	
DWN: MH	DSN: WRB/MH
CHK: RH	SCALE: AS SHOWN
APV: RH	DATE: 04/07/2016

SHEET  
**C100**

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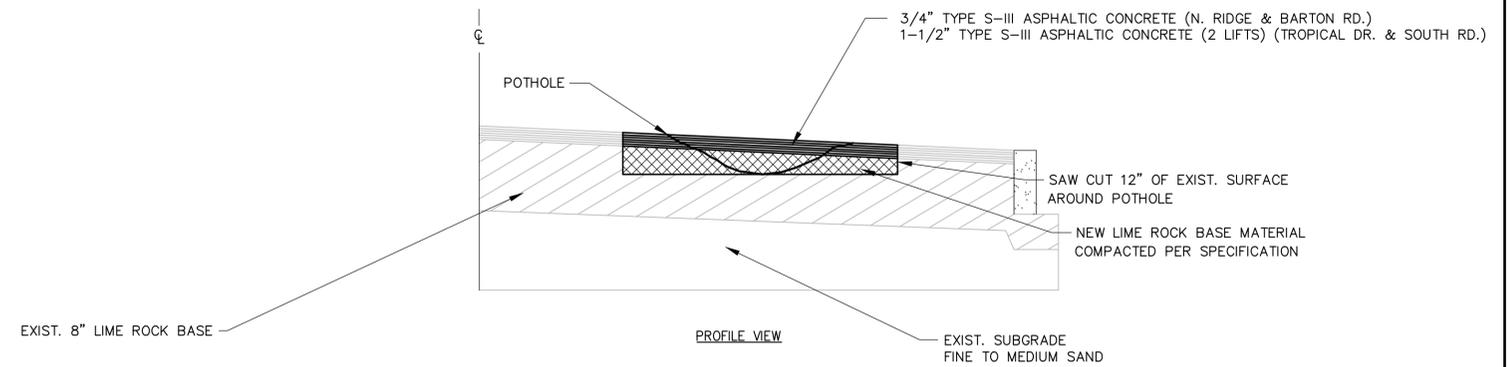
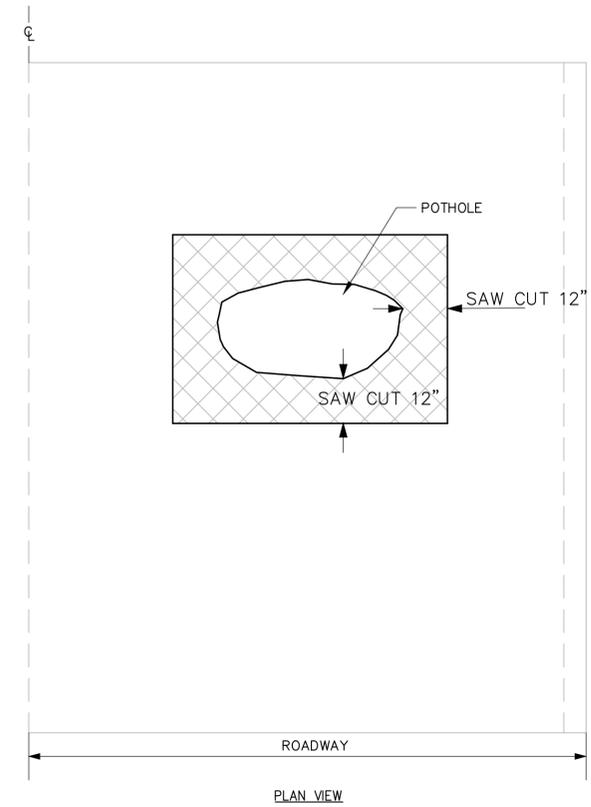


6" FLUSH HEADER CURB TO REMAIN  
MILL 3/4" AND RESURFACE ROADWAY WITH 3/4" TYPE S-III ASPHALTIC CONCRETE  
EXIST. 8" LIME ROCK BASE

**N. RIDGE STREET  
PROPOSED TYPICAL SECTION  
ROADWAY**  
N.T.S.

ASPHALTIC PAVEMENT SECTION:

LAYER	CODE	TOTAL
3/4" TYPE S-III A.C.S.C.	0.44	0.33
8" LIMEROCK BASE COURSE	0.18	1.44
12" STABILIZED SUBGRADE	0.08	0.96
TOTAL STRUCTURAL NUMBER		2.73

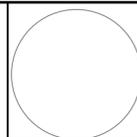


**TYPICAL POT HOLE  
REPAIR DETAIL**

NOTES:  
1) CONTRACTOR TO REPLACE ALL REMOVED OR DAMAGED SOD.  
2) CONTRACTOR TO REMOVE AND REPLACE CURB ONLY AT LOCATIONS REQUIRED FOR WATER MAIN AND CURB RAMPS INSTALLATION.



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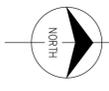


**CITY OF LAKE WORTH  
INFRASTRUCTURE IMPROVEMENTS  
PALM BEACH COUNTY, FLORIDA  
TROPICAL DRIVE & BARTON ROAD**

ROADWAY TYPICAL SECTIONS CONT. AND POT HOLE REPAIR DETAIL	
DWN: MH	DSN: WRB/MH
CHK: RH	SCALE: AS SHOWN
APV: RH	DATE: 04/07/2016

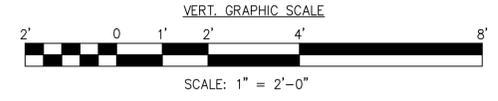
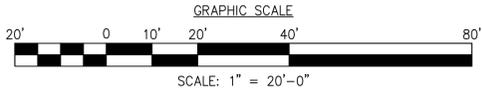
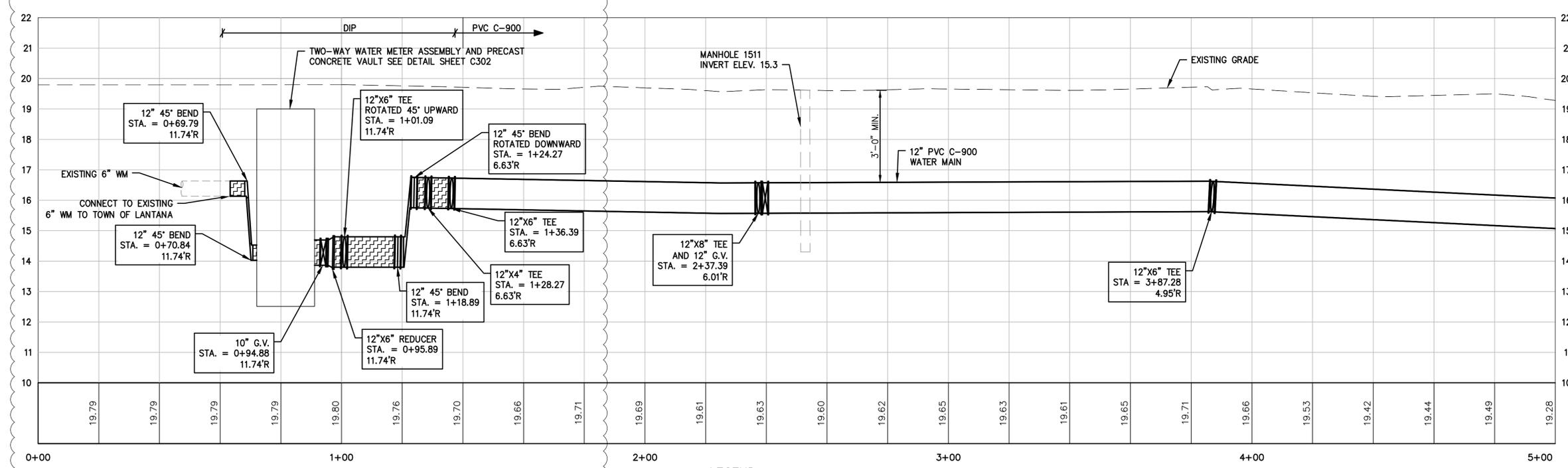
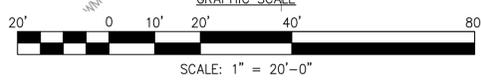
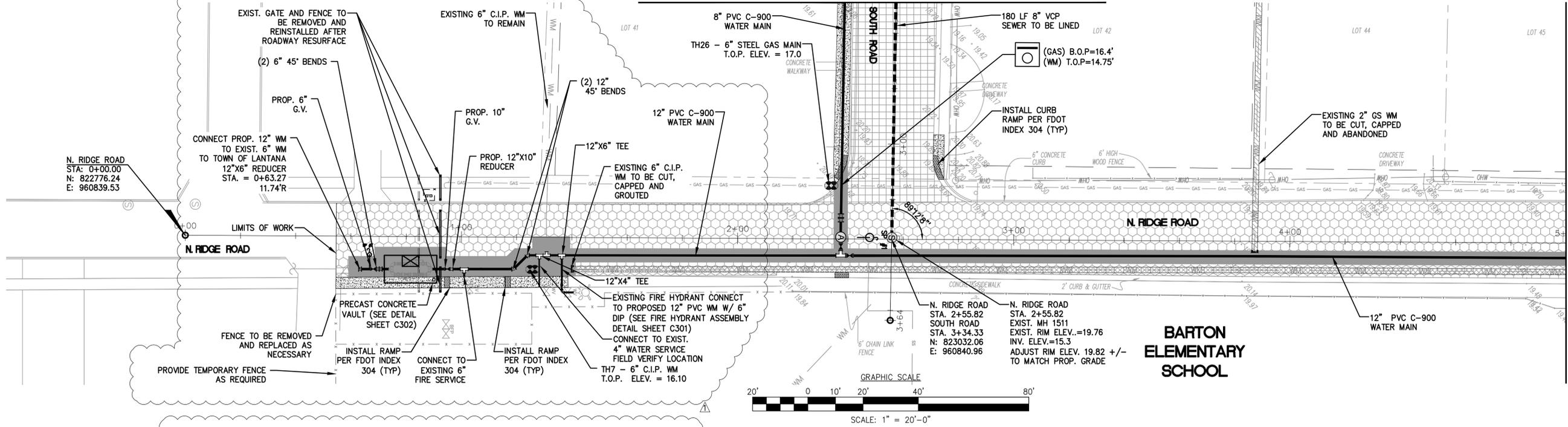
SHEET  
**C101**

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MATCHLINE - STA. 5+00 (SEE C210)

SEE C209



**LEGEND:**

- WATER**
- PROPOSED WATER MAIN
  - EXISTING WATER MAIN TO BE CUT, CAPPED AND ABANDONED
  - EXISTING WATER MAIN TO BE CUT, CAPPED AND GROUTED
  - TEST HOLE
- SEWER**
- EXIST. VCP SEWER TO BE LINED
  - EXIST. VCP SEWER LATERAL TO BE LINED

- SEWER**
- EXIST. SEWER MANHOLE
  - EXIST. VCP SEWER TO BE LINED
- PAVING**
- DRIVEWAY/SIDEWALK TO BE REPLACED
  - ROADWAY AND CURB RECONSTRUCTION
  - MILL AND RESURFACE ROADWAY TYPE 1 (1-1/2\"/>

**PROFILE**

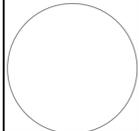
D.I.P. WM COLOR CODED AS PER F.A.C. 62-555.320(21)(b)3.

**METER KEYNOTES:**

- 1 SINGLE WATER SERVICE TO INCLUDE NEW METER AND RELOCATED METER BOX. SERVICE RELOCATED FROM BACK OF LOT.
- 2 DOUBLE WATER SERVICE TO INCLUDE NEW METER AND RELOCATED METER BOX. SERVICE RELOCATED FROM BACK OF LOT.
- 3 SINGLE WATER SERVICE TO INCLUDE NEW METER. USE EXISTING METER BOX.



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ENGINEER OF RECORD:  
RALPH HAYDEN, PE  
FL. REG. NUMBER: 20844

1	05/02/16	LANTANA INTERCONNECT - ADDENDUM #3
#	Date	Revision Description



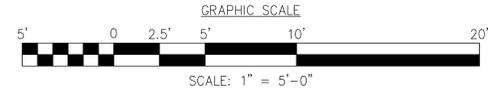
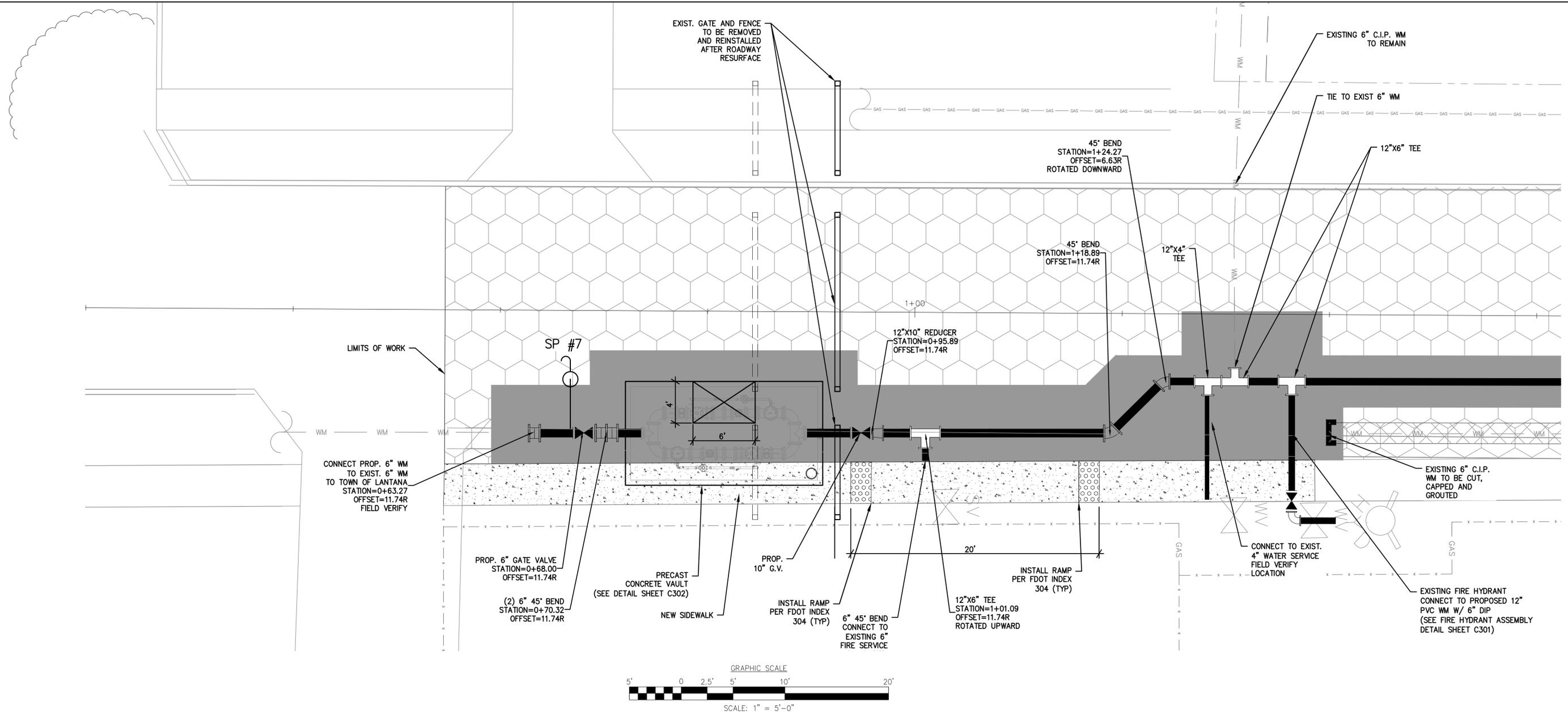
**CITY OF LAKE WORTH**  
**INFRASTRUCTURE IMPROVEMENTS**  
**PALM BEACH COUNTY, FLORIDA**  
**TROPICAL DRIVE & BARTON ROAD**

**PLAN AND PROFILE (N RIDGE ROAD) STA. 0+00 TO 5+00**

DWN: MH	DSN: WRB/MH
CHK: RH	SCALE: AS SHOWN
APV: RH	DATE: 04/07/2016

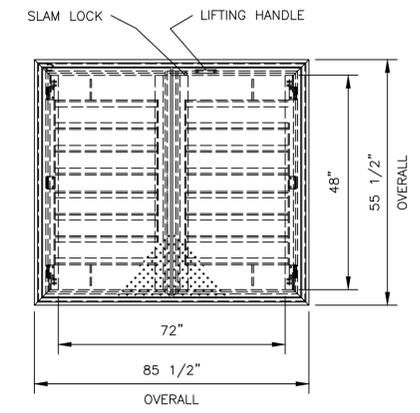
SHEET  
**C208**

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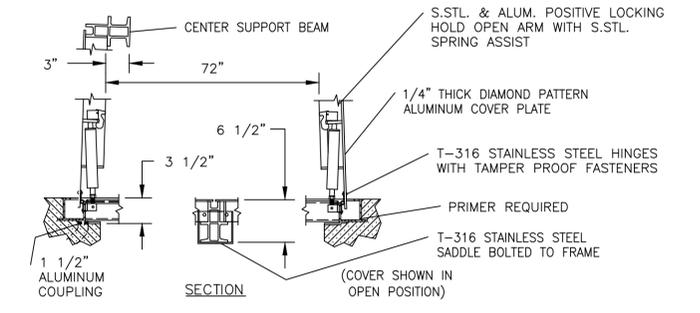


**GENERAL NOTES:** (SEE DWG. C302)

- A. ALL FLANGE HARDWARE (BOLT/WASHER/NUT) SHALL BE STAINLESS STEEL - TYPE 304 WITH ANTI-SEIZE COMPOUND.
- B. ALL PIPE SHALL BE RESTRAINED JOINT DUCTILE IRON
- C. METER CONFIGURATION AND LENGTH / WIDTH MAY VARY DUE TO BRAND - VERIFY DIMENSIONS TO DETERMINE MINIMUM VAULT SIZE.
- D. VAULT SHALL BE SIZED AS NEEDED FOR MINIMUM CLEARANCE AS SHOWN AND RATED FOR FDOT HS-20 LOADING - SUBMIT SHOP DRAWINGS / P.E. SEALED FOR REVIEW.
- E. ALL CONCRETE SHALL BE MINIMUM 4000 PSI COMPRESSIVE STRENGTH.
- F. DESIGN SHALL CONFORM TO ASTM C858 - SPECIFICATIONS FOR "UNDERGROUND PRECAST CONCRETE UTILITY STRUCTURE"
- G. STEEL REINFORCING DESIGN SHALL CONFORM TO ASTM C857
- H. REBARS SHALL BE GRADE 60 PER ASTM A615
- I. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A185
- J. DIAGONAL REINFORCING SHALL BE ADDED AT ALL OPENINGS
- K. PIPE PENETRATIONS SHALL BE SEALED WITH FLEXIBLE CONNECTORS (MANHOLE BOOTS)
- L. FRAME TO BE FLUSH WITH PAVEMENT
- M. ALL JOINTS SHALL BE MADE WATERTIGHT USING 2 RINGS OF BUTYL RUBBER JOINT MASTIC.
- N. ALL VALVES SHALL BE OPEN RIGHT - CLOCKWISE
- O. ALL BURIED PIPE SHALL USE MJ FITTINGS
- P. JOINTS AND CONNECTIONS IN THE VAULT SHALL FLANGED CONNECTIONS



**VAULT**  
**4' x 6' ACCESS DOOR DETAIL**  
N.T.S.



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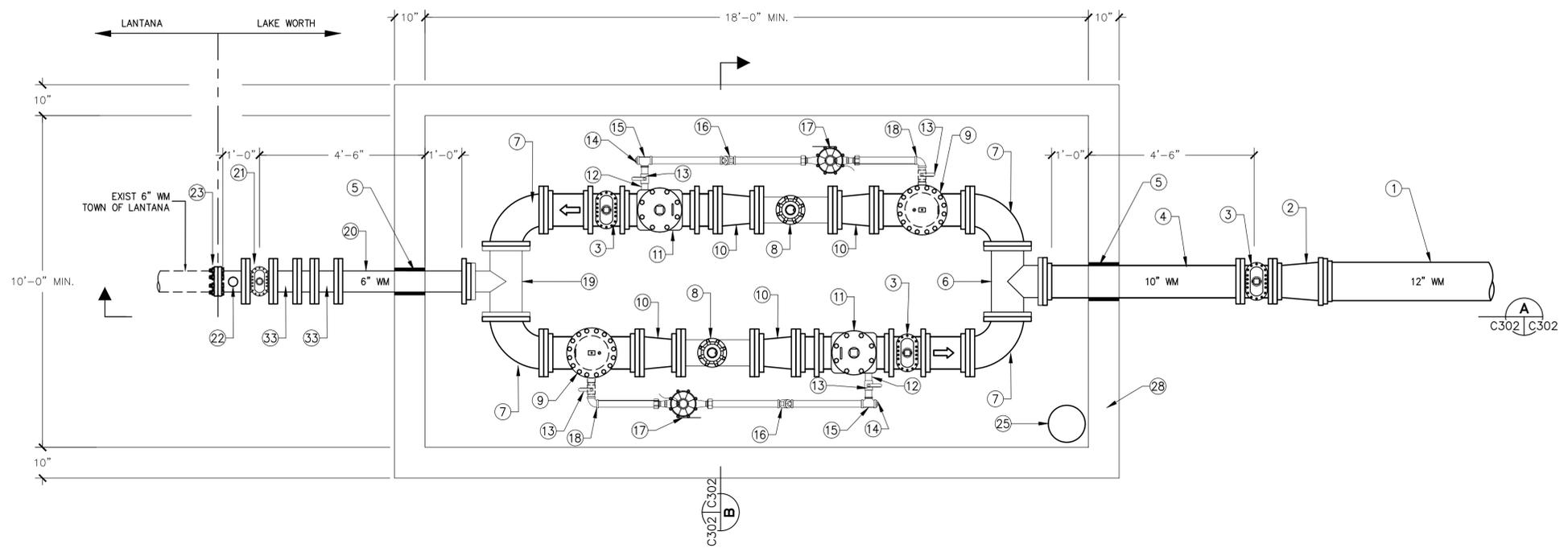
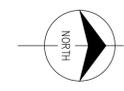
1	05/02/16	LANTANA INTERCONNECT - ADDENDUM #3
#	Date	Revision Description



**CITY OF LAKE WORTH**  
**INFRASTRUCTURE IMPROVEMENTS**  
**PALM BEACH COUNTY, FLORIDA**  
**TROPICAL DRIVE & BARTON ROAD**

WATER MAIN INTERCONNECTION	
DWN: MH	DSN: WRB/MH
CHK: RH	SCALE: AS SHOWN
APV: RH	DATE: 04/07/2016

SHEET  
**C218**

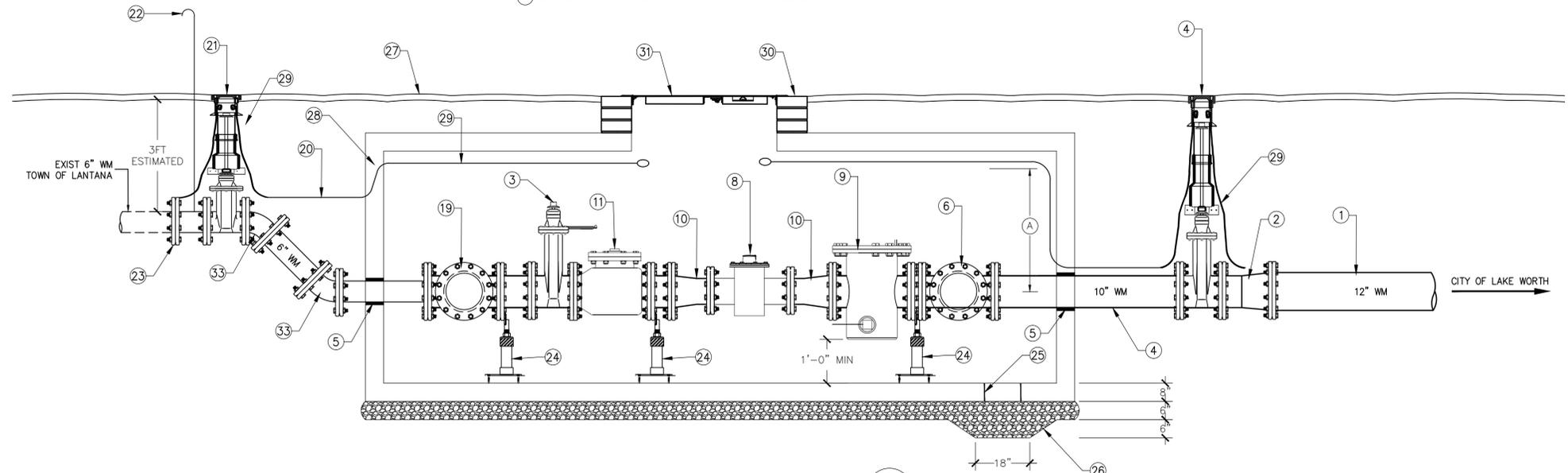
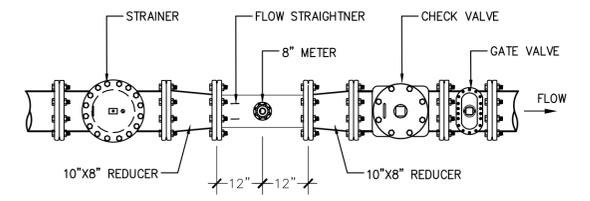


**PROPOSED 2 WAY FLOW METER ASSEMBLY- PLAN VIEW**  
SCALE: 1/2"=1'-0"

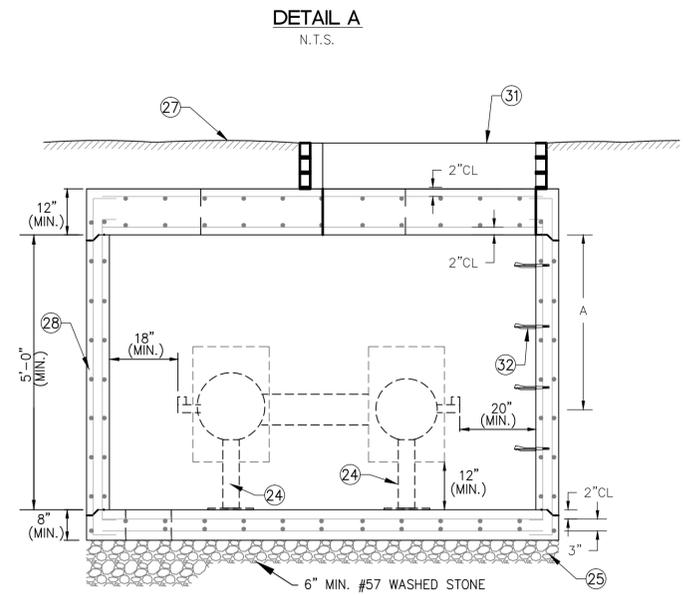
**NOTE:**  
THIS A GENERAL ARRANGEMENT DRAWING. CONTRACTOR SHALL PROVIDE SPOOL PIECES AND SLEEVES AS REQUIRED TO ALLOW FOR REMOVAL AND INSTALLATION OF VALVES, STRAINERS, AND METERS.

(A) DIMENSION: MINIMUM HEIGHT TO REMOVE STRAINER ELEMENT - 34"

- KEY NOTE**
1. 12" DIP RESTRAINED
  2. REDUCER 12":10"
  3. 10" GATE VALVE
  4. 10" DIP ALL FLANGE SPOOL PIPE L = 5'-6"
  5. MECHANICAL LINK-SEAL WITH EPDM ELASTOMERIC OR APPROVED EQUAL PROVIDE NON SHRINK GROUT AS REQUIRED
  6. 10"x10" TEE
  7. 10"x90° ELBOW
  8. 8" METER WITH FLOW STRAIGHTNER. SEE DETAIL A
  9. 10" STRAINER
  10. 10"x8" REDUCER
  11. 10" CHECK VALVE
  12. 2" RED BRASS PIPE NIPPLES (TYP - AS REQ'D) - ( MNPT x MNPT)
  13. 2" BRASS BALL VALVE WITH HANDLE (FNPT x FNPT)
  14. 2" SQUARE HEAD BRONZE PLUG (MNPT)
  15. 2" BRONZE TEE (FNPT x FNPT x FNPT)
  16. 2" BRONZE CHECK VALVE (FNPT x FNPT)
  17. 2" METER (2 BOLT METER FL - EACH END)
  18. 2" BRASS 90° BEND (FNPT x FNPT)
  19. 10"x6" TEE
  20. 6" DIP RESTRAINED
  21. 6" GATE VALVE
  22. SAMPLE POINT
  23. MJ CONNECTION WITH TOWN OF LANTANA 6" WM
  24. SS ADJUSTABLE FLANGE PIPE SUPPORT WITH SS ADHESIVE ANCHORS 6 REQUIRED
  25. 12"Ø SUMP
  26. 6" MIN #57 STONE (WASHED) WRAPPED IN FILTER FABRIC.
  27. N RIDGE RD.
  28. PRECAST OR CAST IN PLACE REINFORCED CONCRETE BOX 19'X8'. SHOP DRAWING SUBMITTAL REQUIRED.
  29. AWG #12 GAUGE COPPER TRACER WIRE (THWN) WITH 24" EXCESS WIRE (COILED) AT EYE BOLT AND VALVE BOX.
  30. MINIMUM OF (3) STD. SOLID CONCRETE BRICK COURSES UNDER ACCESS DOOR FRAME - MAX. 2FT.
  31. 4FT. X 6FT. ACCESS DOOR - HALLIDAY HATCH MO # H2W7248. SEE DETAIL C218
  32. S.S. 12" STEPS O.C. VERTICAL SPACING. SHOP SUBMITTAL REQUIRED
  33. 6" 45° BEND



**PROPOSED 2 WAY FLOW - ELEVATION VIEW (A-A)**  
SCALE: 1/2"=1'-0"

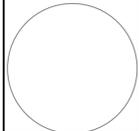


**SECTION VIEW B**  
N.T.S.

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1	05/02/16	LANTANA INTERCONNECT - ADDENDUM #3

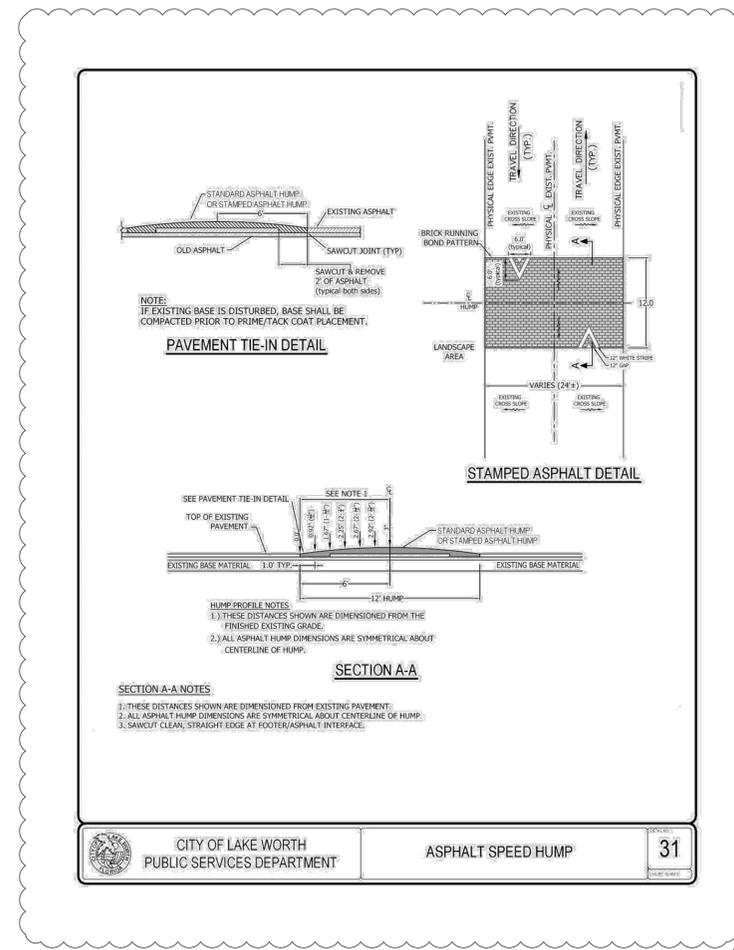
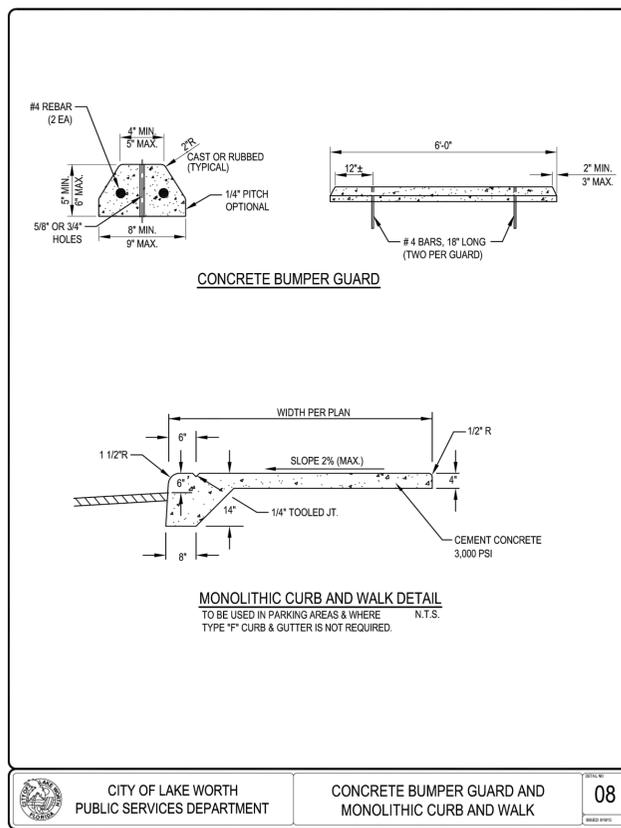
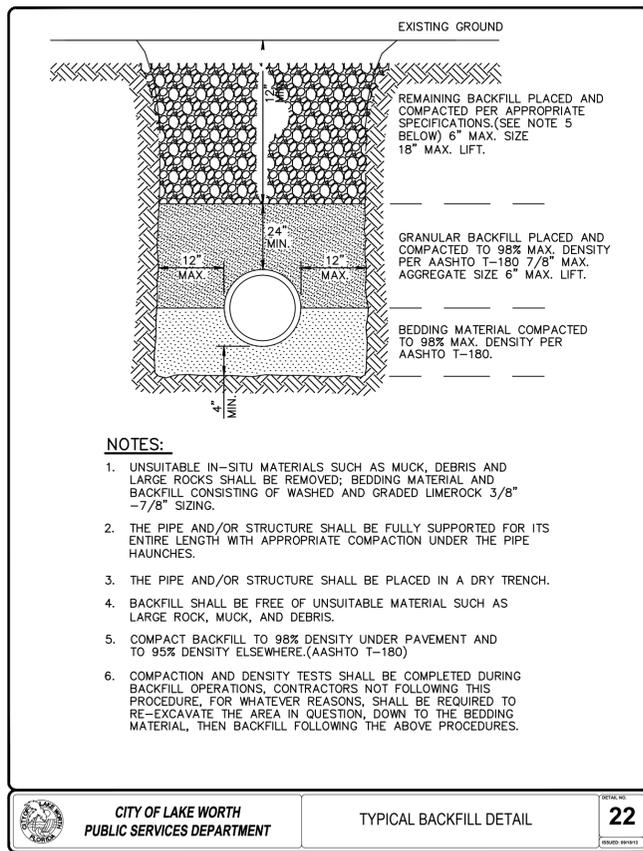


**CITY OF LAKE WORTH**  
**INFRASTRUCTURE IMPROVEMENTS**  
**PALM BEACH COUNTY, FLORIDA**  
**TROPICAL DRIVE & BARTON ROAD**

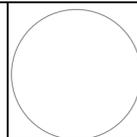
WATER DISTRIBUTION DETAILS	
DWN: MH	DSN: WRB/MH
CHK: RH	SCALE: AS SHOWN
APV: RH	DATE: 04/07/2016

SHEET  
**C302**

Z:\38619852 CIW\1--PROJECT\1-1-CAD\BD SET - Revision 2\PILOT\C501.dwg - Monday, May 02, 2016 2:54:52 PM



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1	05/02/16	SPEED HUMPS -- ADDENDUM #3
#	Date	Revision Description



CITY OF LAKE WORTH  
INFRASTRUCTURE IMPROVEMENTS  
PALM BEACH COUNTY, FLORIDA  
TROPICAL DRIVE & BARTON ROAD

PAVING, GRADING & DRAINAGE DETAILS	
DWN: MH	DSN: WRB/MH
CHK: RH	SCALE: AS SHOWN
APV: RH	DATE: 04/07/2016

SHEET  
C501