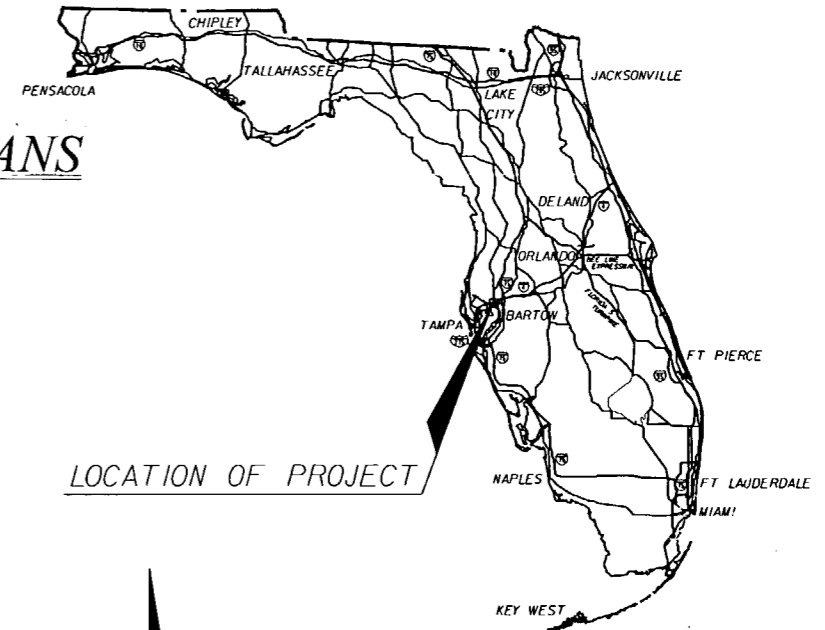


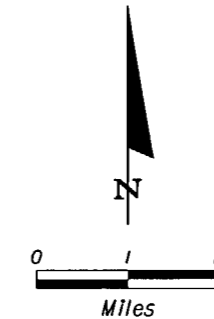
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION
CITY OF TAMPA WATER DEPARTMENT
UTILITY ADJUSTMENT PLANS – FINAL “AS-BUILT” PLANS

FINANCIAL PROJECT ID 255853-1-56-01
HILLSBOROUGH COUNTY (10040)
STATE ROAD NO. 45 (NEBRASKA AVENUE)
FROM KENNEDY BOULEVARD TO HILLSBOROUGH AVENUE

WPI: 7114094



LOCATION OF PROJECT



Handwritten signature and date: 11/6/08

INDEX OF UTILITY ADJUSTMENT PLANS

| SHEET NO. | SHEET DESCRIPTION |
|----------------|--------------------------|
| U-1 | KEY SHEET |
| U-2 | GENERAL NOTES & LEGEND |
| U-3 THRU U-5 | TABULATION OF QUANTITIES |
| U-6 THRU U-39 | PLAN & PROFILE SHEETS |
| U-40 THRU U-42 | CROSS SECTION SHEETS |
| U-43 THRU U-55 | DETAIL SHEETS |

THESE PLANS ONLY REFLECT PROPOSED UTILITY CONSTRUCTION FOR THE CITY OF TAMPA WATER DEPARTMENT. THESE ROADWAY BASE DRAWINGS WERE OBTAINED FROM FDOT. REFER TO FINANCIAL PROJECT ID 255853-1-52-01 FOR INFORMATION ON ROAD AND DRAINAGE DESIGN.

APPLICABLE DESIGN STANDARDS MODIFICATIONS: 1-1-07

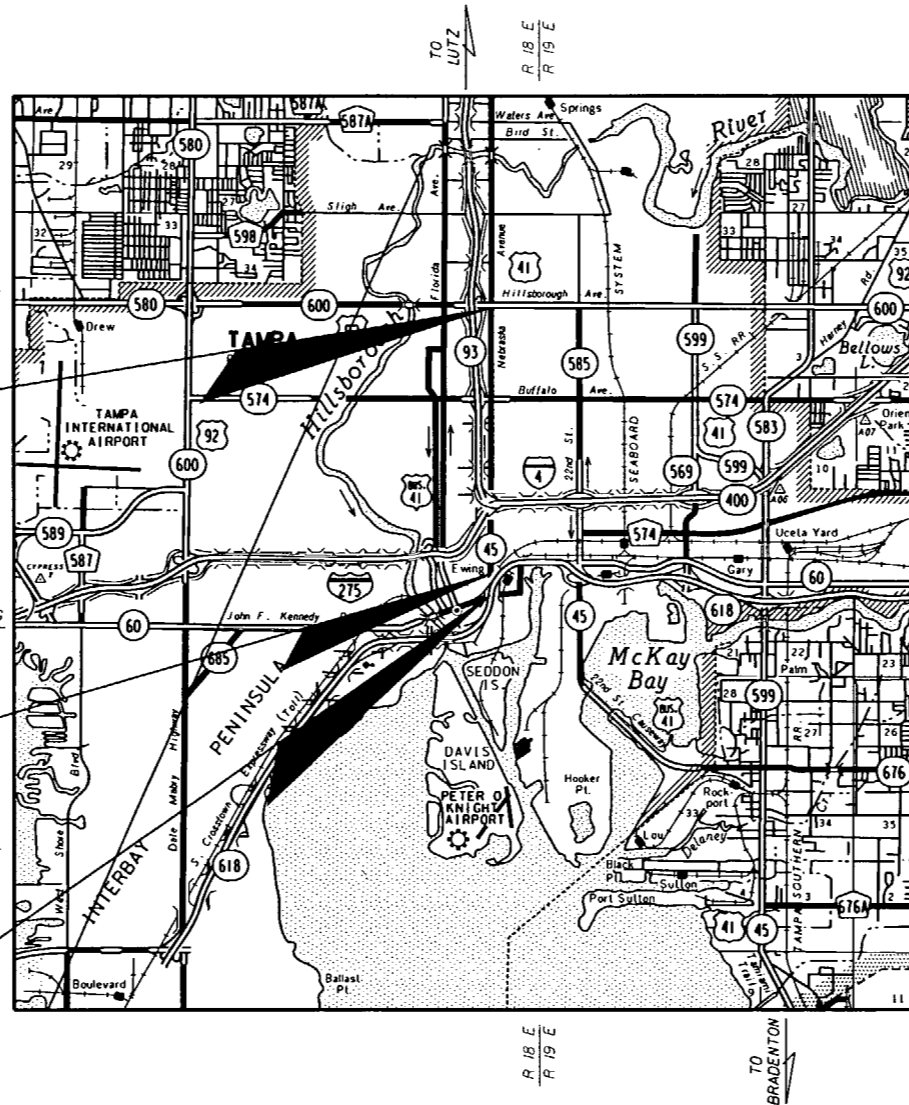
For Design Standards Modifications click on "Design Standards" at the following web site:
<http://www.dot.state.fl.us/rddeslgn/>

GOVERNING STANDARDS AND SPECIFICATIONS:
FLORIDA DEPARTMENT OF TRANSPORTATION,
DESIGN STANDARDS DATED 2006,
AND SPECIFICATIONS FOR ROAD AND
BRIDGE CONSTRUCTION DATED 2007,
AS AMENDED BY CONTRACT DOCUMENTS.

END PROJECT
STA. 264+01.71

CROSSING NO. 626293
RR MP: A-882.03, CSXT
STA. 108+96.00

BEGIN PROJECT
STA. 99+00.00
M.P. 0.011



UTILITY ADJUSTMENT SHOP DRAWINGS.
TO BE SUBMITTED TO:

CHRIS BARQUIN, P.E.
CITY OF TAMPA WATER DEPARTMENT
306 E. JACKSON STREET, 5E
TAMPA, FLORIDA 33602
PHONE NO. (813) 274-8678

PLANS PREPARED BY:

CITY OF TAMPA WATER DEPARTMENT
306 E. JACKSON STREET, 5E
TAMPA, FLORIDA 33602
PHONE NO. (813) 274-8678

NOTE:
THIS PROJECT IS TO BE LET TO CONTRACT
WITH FINANCIAL PROJECT ID:
255853-1-52-01 (UWHC FOR FLORIDA DEPT. OF TRANSPORTATION)

NOTE: THE SCALE OF THESE PLANS MAY
HAVE CHANGED DUE TO REPRODUCTION.

REVISIONS

This project was constructed in substantial compliance with these plans as provided by the Engineer of Record. If changes were made, those changes are indicated by black ink revision and bear the seal and signature of the Responsible Engineer.

Handwritten signature and date: 11/6/08
Resident Engineer Date

LENGTH OF PROJECT

| | LINEAR FEET | MILES |
|-------------------------|-------------|-------|
| ROADWAY | 16,501.71 | 3.125 |
| BRIDGES | 0 | 0 |
| NET LENGTH OF PROJECT | 16,501.71 | 3.125 |
| EXCEPTIONS | N/A | N/A |
| GROSS LENGTH OF PROJECT | 16,501.71 | 3.125 |

KEY SHEET REVISIONS

| DATE | BY | DESCRIPTION |
|------|----|-------------|
| | | |

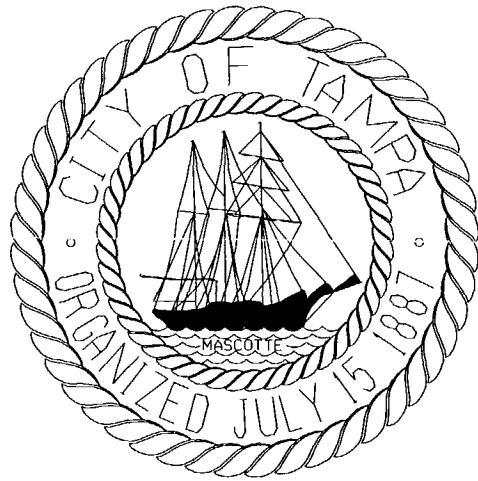
WATER PLANS
ENGINEER OF RECORD:
CHRIS BARQUIN, P.E.

P.E. NO.: 31900

| FISCAL YEAR | SHEET NO. |
|-------------|-----------|
| 07 | U-1 |

FDOT PROJECT MANAGER: JOHN R. ESCOBIO

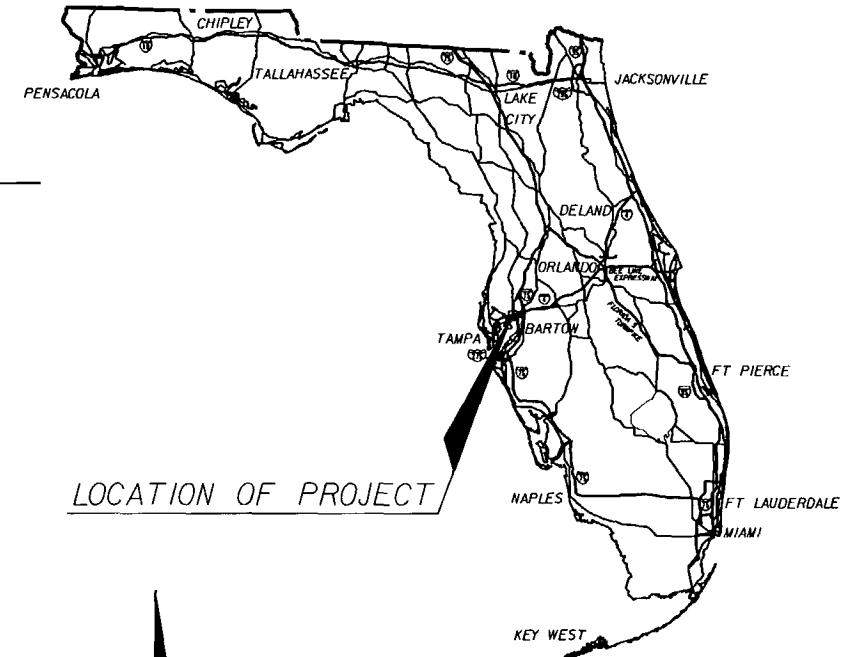
NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G5-23.003, F.A.C.



STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION
CITY OF TAMPA WATER DEPARTMENT
UTILITY ADJUSTMENT PLANS

FINANCIAL PROJECT ID 255853-1-56-01
 HILLSBOROUGH COUNTY (10040)
 STATE ROAD NO. 45 (NEBRASKA AVENUE)
 FROM KENNEDY BOULEVARD TO HILLSBOROUGH AVENUE

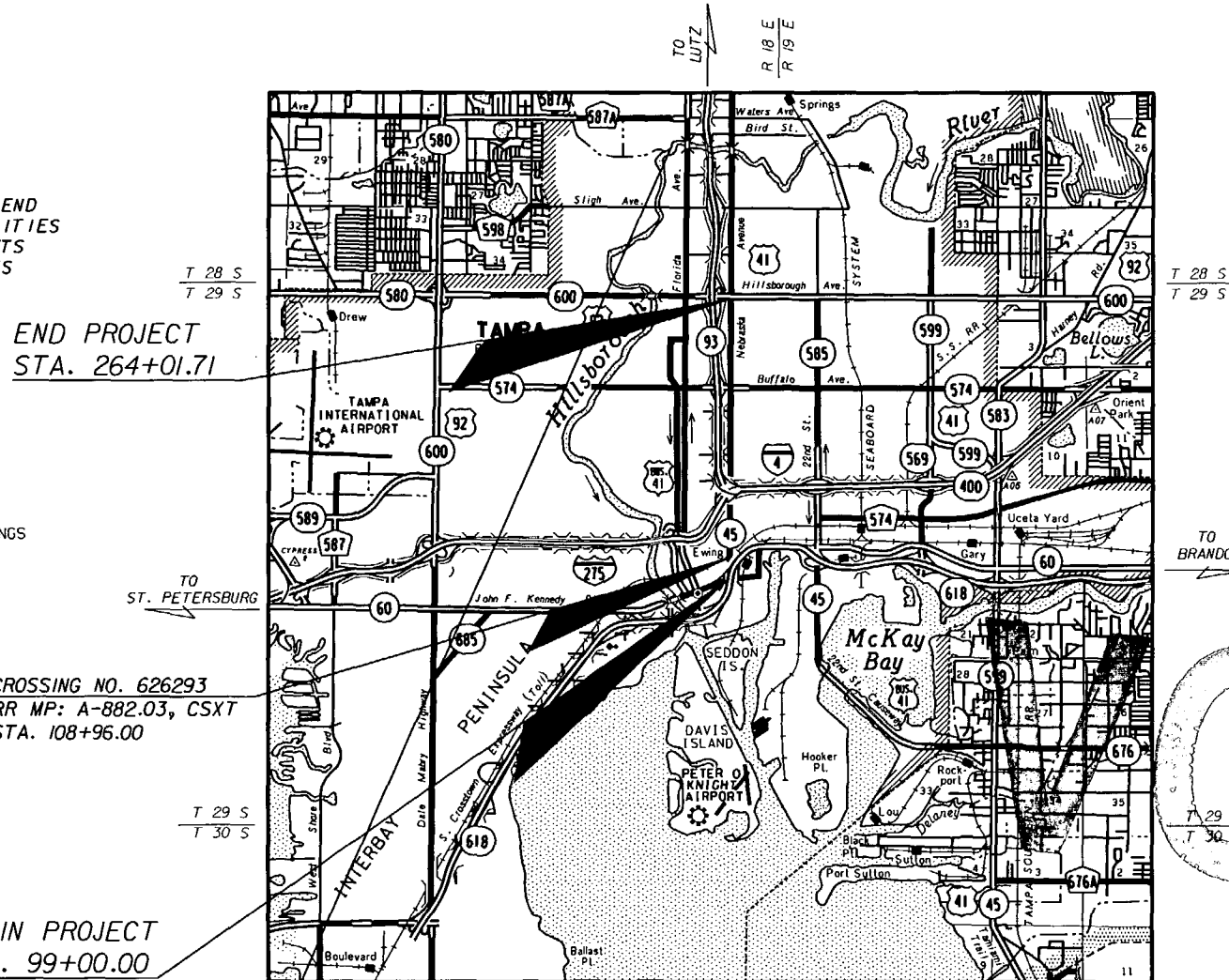
WPI: 7114094



LOCATION OF PROJECT

INDEX OF UTILITY ADJUSTMENT PLANS

| SHEET NO. | SHEET DESCRIPTION |
|----------------|--------------------------|
| U-1 | KEY SHEET |
| U-2 | GENERAL NOTES & LEGEND |
| U-3 THRU U-5 | TABULATION OF QUANTITIES |
| U-6 THRU U-39 | PLAN & PROFILE SHEETS |
| U-40 THRU U-42 | CROSS SECTION SHEETS |
| U-43 THRU U-55 | DETAIL SHEETS |



END PROJECT
 STA. 264+01.71

CROSSING NO. 626293
 RR MP: A-882.03, CSXT
 STA. 108+96.00

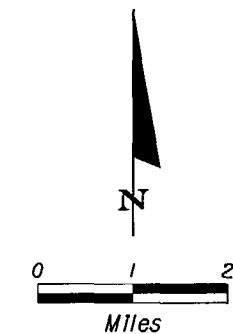
BEGIN PROJECT
 STA. 99+00.00
 M.P. 0.011

THESE PLANS ONLY REFLECT PROPOSED UTILITY CONSTRUCTION FOR THE CITY OF TAMPA WATER DEPARTMENT. THESE ROADWAY BASE DRAWINGS WERE OBTAINED FROM FDOT. REFER TO FINANCIAL PROJECT ID 255853-1-52-01 FOR INFORMATION ON ROAD AND DRAINAGE DESIGN.

APPLICABLE DESIGN STANDARDS MODIFICATIONS: 1-1-07

For Design Standards Modifications click on "Design Standards" at the following web site: <http://www.dot.state.fl.us/rddeslgn/>

GOVERNING STANDARDS AND SPECIFICATIONS: FLORIDA DEPARTMENT OF TRANSPORTATION, DESIGN STANDARDS DATED 2006, AND SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION DATED 2007, AS AMENDED BY CONTRACT DOCUMENTS.



UTILITY ADJUSTMENT SHOP DRAWINGS TO BE SUBMITTED TO:

CHRIS BARQUIN, P.E.
 CITY OF TAMPA WATER DEPARTMENT
 306 E. JACKSON STREET, 5E
 TAMPA, FLORIDA 33602
 PHONE NO. (813) 274-8678

PLANS PREPARED BY:

CITY OF TAMPA WATER DEPARTMENT
 306 E. JACKSON STREET, 5E
 TAMPA, FLORIDA 33602
 PHONE NO. (813) 274-8678

NOTE: THIS PROJECT IS TO BE LET TO CONTRACT WITH FINANCIAL PROJECT ID: 255853-1-52-01 (UWHC FOR FLORIDA DEPT. OF TRANSPORTATION)

NOTE: THE SCALE OF THESE PLANS MAY HAVE CHANGED DUE TO REPRODUCTION.

REVISIONS

| LENGTH OF PROJECT | | |
|-------------------------|-------------|-------|
| | LINEAR FEET | MILES |
| ROADWAY | 16,501.71 | 3.125 |
| BRIDGES | 0 | 0 |
| NET LENGTH OF PROJECT | 16,501.71 | 3.125 |
| EXCEPTIONS | N/A | N/A |
| GROSS LENGTH OF PROJECT | 16,501.71 | 3.125 |

| KEY SHEET REVISIONS | | |
|---------------------|----|-------------|
| DATE | BY | DESCRIPTION |
| | | |

WATER PLANS
 ENGINEER OF RECORD: CHRIS BARQUIN, P.E.
 P.E. NO.: 31900

| FISCAL YEAR | SHEET NO. |
|-------------|-----------|
| 07 | U-1 |

FDOT PROJECT MANAGER: JOHN R. ESCOBIO

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.

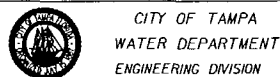
| | | | |
|----------------|----------------------|-----------------|-----------|
| UHWCA | FINANCIAL PROJECT ID | STATE PROJ. NO. | SHEET NO. |
| 255853-1-56-01 | | | U-2 |

| | | | | |
|---|------------|------------------------|----------------|-----------|
| PERMIT <input checked="" type="checkbox"/> City <input type="checkbox"/> CSX <input checked="" type="checkbox"/> State <input checked="" type="checkbox"/> FDEP | | | | |
| CALL "SUNSHINE" 1-800-432-4770 | | | Date | |
| | | | Request No. | |
| Contractor | | | | |
| Inspector | | | | |
| Job started | | Completed | | |
| Job stopped | | Reason | | |
| Pressure Test | Date | Allowable Leakage | Actual Leakage | Inspector |
| Re-Test | | | | |
| Bacteriological Test | No. 1 Date | No. 2 Date | Re-test Date | |
| | Results | Results | Results | |
| Final Inspection | Date | Reinspection | Date | |
| | Inspector | | Inspector | |
| Acceptance Date | | Const. Eng. | | |
| Record Drawing Submitted | | Accepted / Approved by | | Date |

GENERAL NOTES

1. Existing utilities, buildings, ground elevations, and other features are shown according to the best information available. All conditions and dimensions affecting required work shall be verified by contractors.
2. Provide thrust restraint, where necessary, in accordance with Water Department specifications.
3. All proposed water mains are to be installed at a minimum depth of 36" below existing grade unless otherwise noted.
4. Polyethylene encase all ductile iron pipe and fittings.
5. All proposed water mains shall be manufactured and installed per the standards of the American Water Works Association as prescribed by FAC 62-555.330(4).

CHRIS BARQUIN, P.E.
CITY OF TAMPA WATER DEPT.
306 E. JACKSON ST., 5E
TAMPA, FLA. 33602
P.E. #31900



MAIN RELOCATION

S.R. 45 FROM KENNEDY BLVD. TO HILLSBOROUGH AVE.

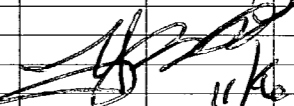
GENERAL NOTES & LEGEND

| | | | | | | |
|---------------|------|----------|----|---------|-------------|-------------------------|
| No. | Date | REVISION | By | Des: CB | W.O. 4540 | File: NEWTON AT 815-289 |
| Approved Date | | | | Own: FJ | FILE NUMBER | |
| | | | | Ckd: CB | SHEET 2 | OF 55 SHEETS |

NOTICE: THE OFFICIAL RECORD OF THIS PLAN SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.

TABULATION OF QUANTITIES

| ITEM NO. | DESCRIPTION | UNIT | U-6 | U-7 | U-8 | U-9 | U-10 | U-11 | U-12 | U-13 | U-14 | U-15 | U-16 | U-17 | U-18 | U-19 | |
|-------------|--|------|-----|----------|-----|----------|-----------|------|---------|---------|---------|----------|------|---------|---------|---------|----|
| 1050-11-322 | UTILITY PIPE, FBI, PE, 2.0-4.9 I.N. | LF | | | | | | | | | | | | | | | 0 |
| 1050-11-423 | UTILITY PIPE, FBI, DIP, 5.0-7.9 I.N. | LF | | 25 (Φ) / | | 10 (3) / | | | | | | | | | | | 31 |
| 1050-11-424 | UTILITY PIPE, FBI, DIP, 8.0-19.9 I.N. | LF | | (18) / | | | | | | | | 25 (Φ) / | | | | | 18 |
| 1050-11-425 | UTILITY PIPE, FBI, DIP, 20.0-49.9 I.N. | LF | | | | | | | | | | | | | | | 0 |
| 1050-16-002 | UTILITY PIPE, REMOVE & DISPOSE, 2.0-4.9" | LF | | | | | | | | | | | | | | | 0 |
| 1050-16-003 | UTILITY PIPE, REMOVE & DISPOSE, 5.0-7.9" | LF | | | | | 10 (10) / | | | | | | | | | | 10 |
| 1050-16-004 | UTILITY PIPE, REMOVE & DISPOSE, 8.0-19.9" | LF | | (18) / | | | | | | | | 25 (Φ) / | | | | | 18 |
| 1050-16-005 | UTILITY PIPE, REMOVE & DISPOSE, 20.0-49.9" | LF | | 25 (Φ) / | | | | | | | | 25 (Φ) / | | | | | 0 |
| 1055-11-414 | UTILITY FITTINGS, FBI, DI/CI, C.L., ELBOWS, 8.0-19.9" | EA | | 1 (6) / | | 1 (2) / | | | | | | | | | | | 8 |
| 1050-11-415 | UTILITY FITTINGS, FBI, DI/CI, C.L., ELBOWS, 20.0-49.9" | EA | | | | | | | | | | | | | | | 0 |
| 1055-11-444 | UTILITY FITTINGS, FBI, DI/CI W/ C.L. UNIONS, 8.0-19.9" | EA | | 2 (2) / | | | | | | | | 2 (Φ) / | | | | | 2 |
| 1055-11-445 | UTILITY FITTINGS, FBI, DI/CI W/ C.L. UNIONS, 20.0-49.9" | EA | | | | | | | | | | | | | | | |
| 1080-11-304 | UTILITY FIXTURES, FBI, VALVE ASSEMBLY, 5.0-7.9" | EA | | | | | | | | | | | | | | | |
| 1080-11-503 | UTILITY FIXTURES, FBI, TAPPING SLEEVE, 20.0-49.9" | EA | | | | | | | | | | | | | | | |
| 1080-11-504 | UTILITY FIXTURES, FBI, VALVE ASSEMBLY, 20.0-49.9" | EA | | | | | | | | | | | | | | | |
| 1080-11-507 | UTILITY FIXTURES, FBI, LINE STOP ASSEMBLY, 20.0-49.9" | EA | | | | | | | | | | | | | | | |
| 1080-15-101 | UTILITY FIXTURES, ADJUST & MODIFY METER BOX, 0.0-1.9" | EA | | 1 (4) / | | 1 (1) / | | | 2 (2) / | 6 (6) / | 5 (4) / | 2 (8) / | | 1 (2) / | 2 (2) / | 1 (3) / | 32 |
| 1080-16-401 | UTILITY FIXTURES, REMOVE & DISPOSE, VALVE BOX, 8.0-19.9" | EA | | | | | | | 1 (1) / | | 1 (1) / | 1 (Φ) / | | | | | 2 |
| 1644-136-08 | FIRE HYDRANT, (FBI), TRAFFIC, 3-WAY, 2 HOSE, 1 PUMPER | EA | | | | 2 (2) / | | | | | | | | | | | 2 |
| 1644-900 | FIRE HYDRANT, REMOVE, TRAFFIC | EA | | | | | | | 1 (Φ) / | | 1 (1) / | 1 (Φ) / | | | | | 1 |

Quantities Only

 11/6/08

CHRIS BARQUIN, P.E.
 CITY OF TAMPA WATER DEPT.
 306 E. JACKSON ST., 5E
 TAMPA, FLA. 33602
 P.E. #31900



CITY OF TAMPA
 WATER DEPARTMENT
 ENGINEERING DIVISION



MAIN RELOCATION


S.R. 45 FROM KENNEDY BLVD. TO HILLSBOROUGH AVE.

| | | | | | | | |
|----------|------|----------|----|------|----|----------------------|----------|
| No. | Date | REVISION | By | Des. | CB | W.D. 4540 | REVISION |
| Approved | Date | | | Des. | FJ | FILE NUMBER | |
| | | | | Ord. | CB | SHEET 3 OF 55 SHEETS | |

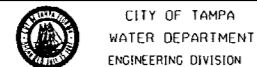
NOTICE: THE OFFICIAL RECORD OF THIS PLAN SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61015-23.003, F.A.C.

TABULATION OF QUANTITIES

| ITEM NO. | DESCRIPTION | UNIT | U-20 | U-21 | U-22 | U-23 | U-24 | U-25 | U-26 | U-27 | U-28 | U-29 | U-30 | U-31 | U-32 | U-33 |
|-------------|--|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| 1050-11-322 | UTILITY PIPE, F.B.I., PE, 2.0-4.9 I.N. | LF | | | | | | | | | | | | 1 | | 0 |
| 1050-11-423 | UTILITY PIPE, F.B.I., D.I.P., 5.0-7.9 I.N. | LF | | | | | | | | | | | | 2 | | 42.5 |
| 1050-11-424 | UTILITY PIPE, F.B.I., D.I.P., 8.0-19.9 I.N. | LF | | | | | | | | | | | | 1 | | |
| 1050-11-425 | UTILITY PIPE, F.B.I., D.I.P., 20.0-49.9 I.N. | LF | | | | | | | | | | | | 1 | | 143.5 |
| 1050-16-002 | UTILITY PIPE, REMOVE & DISPOSE, 2.0-4.9" | LF | | | | | | | | | | | | 1 | | |
| 1050-16-003 | UTILITY PIPE, REMOVE & DISPOSE, 5.0-7.9" | LF | | | | | | | | | | | | 1 | | 133 |
| 1050-16-004 | UTILITY PIPE, REMOVE & DISPOSE, 8.0-19.9" | LF | | | | | | | | | | | | 1 | | |
| 1050-16-005 | UTILITY PIPE, REMOVE & DISPOSE, 20.0-49.9" | LF | | | | | | | | | | | | 1 | | 148 |
| 1055-11-414 | UTILITY FITTINGS, F.B.I., D.I.C.I., C.L., ELBOWS, 8.0-19.9" | EA | | | | | | | | | | | | 1 | 1 | 8 |
| 1050-11-415 | UTILITY FITTINGS, F.B.I., D.I.C.I., C.L., ELBOWS, 20.0-49.9" | EA | | | | | | | | | | | | 1 | | |
| 1055-11-444 | UTILITY FITTINGS, F.B.I., D.I.C.I. W/ C.L., UNIONS, 8.0-19.9" | EA | | | | | | | | | | | | 1 | | 3 |
| 1055-11-445 | UTILITY FITTINGS, F.B.I., D.I.C.I. W/ C.L., UNIONS, 20.0-49.9" | EA | | | | | | | | | | | | 1 | | |
| 1080-11-304 | UTILITY FIXTURES, F.B.I., VALVE ASSEMBLY, 5.0-7.9" | EA | | | | | | | | | | | | 1 | | 2 |
| 1080-11-503 | UTILITY FIXTURES, F.B.I., TAPPING SLEEVE, 20.0-49.9" | EA | | | | | | | | | | | | 1 | | 1 |
| 1080-11-504 | UTILITY FIXTURES, F.B.I., VALVE ASSEMBLY, 20.0-49.9" | EA | | | | | | | | | | | | 2 | | 2 |
| 1080-11-507 | UTILITY FIXTURES, F.B.I., LINE STOP ASSEMBLY, 20.0-49.9" | EA | | | | | | | | | | | | 2 | | 2 |
| 1080-15-101 | UTILITY FIXTURES, ADJUST & MODIFY METER BOX, 0.0-1.9" | EA | 1 | 12 | 6 | 3 | 9 | 3 | 3 | 4 | 3 | 2 | 2 | 5 | | 65 |
| 1080-16-401 | UTILITY FIXTURES, REMOVE & DISPOSE, VALVE BOX, 8.0-19.9" | EA | | | | | 1 | 1 | 1 | | | | | 1 | | 4 |
| 1644-136-08 | FIRE HYDRANT, (F.B.I.), TRAFFIC, 3-WAY, 2 HOSE, 1 PUMPER | EA | | | | | | | | | | | | 1 | | 1 |
| 1644-900 | FIRE HYDRANT, REMOVE, TRAFFIC | EA | | | | | 1 | 1 | 1 | | | | | 2 | | 4 |

Quantities Only

 11/6/08

CHRIS BARQUIN, P.E.
 CITY OF TAMPA WATER DEPT.
 306 E. JACKSON ST., 5E
 TAMPA, FLA. 33602
 P.E. #31900



MAIN RELOCATION

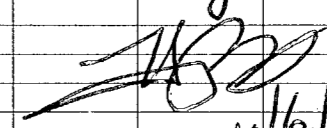
S.R. 45 FROM KENNEDY BLVD. TO HILLSBOROUGH AVE.

| | | | | |
|----------------|-----------|----------|---------|----------------------|
| Des: CB | W.D. 4540 | REVISION | By: FJ | FILE NUMBER |
| Approved Date: | | | Chk: CB | SHEET 4 OF 55 SHEETS |

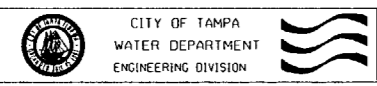
NOTICE: THE OFFICIAL RECORD OF THIS PLAN SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 6G05-23.003, F.A.C.

TABULATION OF QUANTITIES

| ITEM NO. | DESCRIPTION | UNIT | U-34 | U-35 | U-36 | U-37 | U-38 | U-39 | U-40 | U-41 | U-42 | TOTAL | FINAL QUANTITIES |
|-------------|--|------|-------|-------|------|-------|-------|-------|------|------|------|-------|------------------|
| 1050-11-322 | UTILITY PIPE, FBI, PE, 2.0-4.9 I.N. | LF | | | | | | | | | | 14 | 6 |
| 1050-11-423 | UTILITY PIPE, FBI, DIP, 5.0-7.9 I.N. | LF | | | | | | | | | | 49 | 73.5 |
| 1050-11-424 | UTILITY PIPE, FBI, DIP, 8.0-19.9 I.N. | LF | | | | | | | | | | 49 | 18 |
| 1050-11-425 | UTILITY PIPE, FBI, DIP, 20.0-49.9 I.N. | LF | | | | | | | | | | 51 | 143.5 |
| 1050-16-002 | UTILITY PIPE, REMOVE & DISPOSE, 2.0-4.9" | LF | | | | | | | | | | 14 | 6 |
| 1050-16-003 | UTILITY PIPE, REMOVE & DISPOSE, 5.0-7.9" | LF | | | | | | | | | | 170 | 143 |
| 1050-16-004 | UTILITY PIPE, REMOVE & DISPOSE, 8.0-19.9" | LF | | | | | | | | | | 49 | 18 |
| 1050-16-005 | UTILITY PIPE, REMOVE & DISPOSE, 20.0-49.9" | LF | | | | | | | | | | 51 | 148 |
| 1055-11-414 | UTILITY FITTINGS, FBI, DI/CI, C.L., ELBOWS, 8.0-19.9" | EA | | | | | | | | | | 8 | 8 |
| 1050-11-415 | UTILITY FITTINGS, FBI, DI/CI, C.L., ELBOWS, 20.0-49.9" | EA | | | | | | | | | | 8 | 8 |
| 1055-11-444 | UTILITY FITTINGS, FBI, DI/CI W/ C.L. UNIONS, 8.0-19.9" | EA | | | | | | | | | | 4 | 2 |
| 1055-11-445 | UTILITY FITTINGS, FBI, DI/CI W/ C.L., UNIONS, 20.0-49.9" | EA | | | | | | | | | | 3 | 3 |
| 1080-11-504 | UTILITY FIXTURES, FBI, VALVE ASSEMBLY, 5.0-7.9" | EA | | | | | | | | | | 1 | 2 |
| 1080-11-503 | UTILITY FIXTURES, FBI, TAPPING SLEEVE, 20.0-49.9" | EA | | | | | | | | | | 1 | 1 |
| 1080-11-504 | UTILITY FIXTURES, FBI, VALVE ASSEMBLY, 20.0-49.9" | EA | | | | | | | | | | 2 | 2 |
| 1080-11-507 | UTILITY FIXTURES, FBI, LINE STOP ASSEMBLY, 20.0-49.9" | EA | | | | | | | | | | 2 | 2 |
| 1080-15-101 | UTILITY FIXTURES, ADJUST & MODIFY METER BOX, 0.0-1.9" | EA | 4 (4) | 3 (3) | | 3 (3) | 1 (1) | 2 (2) | | | | 120 | 108 |
| 1080-16-401 | UTILITY FIXTURES, REMOVE & DISPOSE, VALVE BOX, 8.0-19.9" | EA | | 1 (1) | | | | | | | | 8 | 7 |
| 1644-136-08 | FIRE HYDRANT, (FBI), TRAFFIC, 3-WAY, 2 NOSE, 1 PUMPER | EA | | | | | | | | | | 2 | 3 |
| 1644-900 | FIRE HYDRANT, REMOVE, TRAFFIC | EA | | 1 (1) | | | 1 (1) | | | | | 10 | 7 |

Quantities Only

 11/6/08

CHRIS BARQUIN, P.E.
 CITY OF TAMPA WATER DEPT.
 306 E. JACKSON ST., 5E
 TAMPA, FLA. 33602
 P.E. #31900



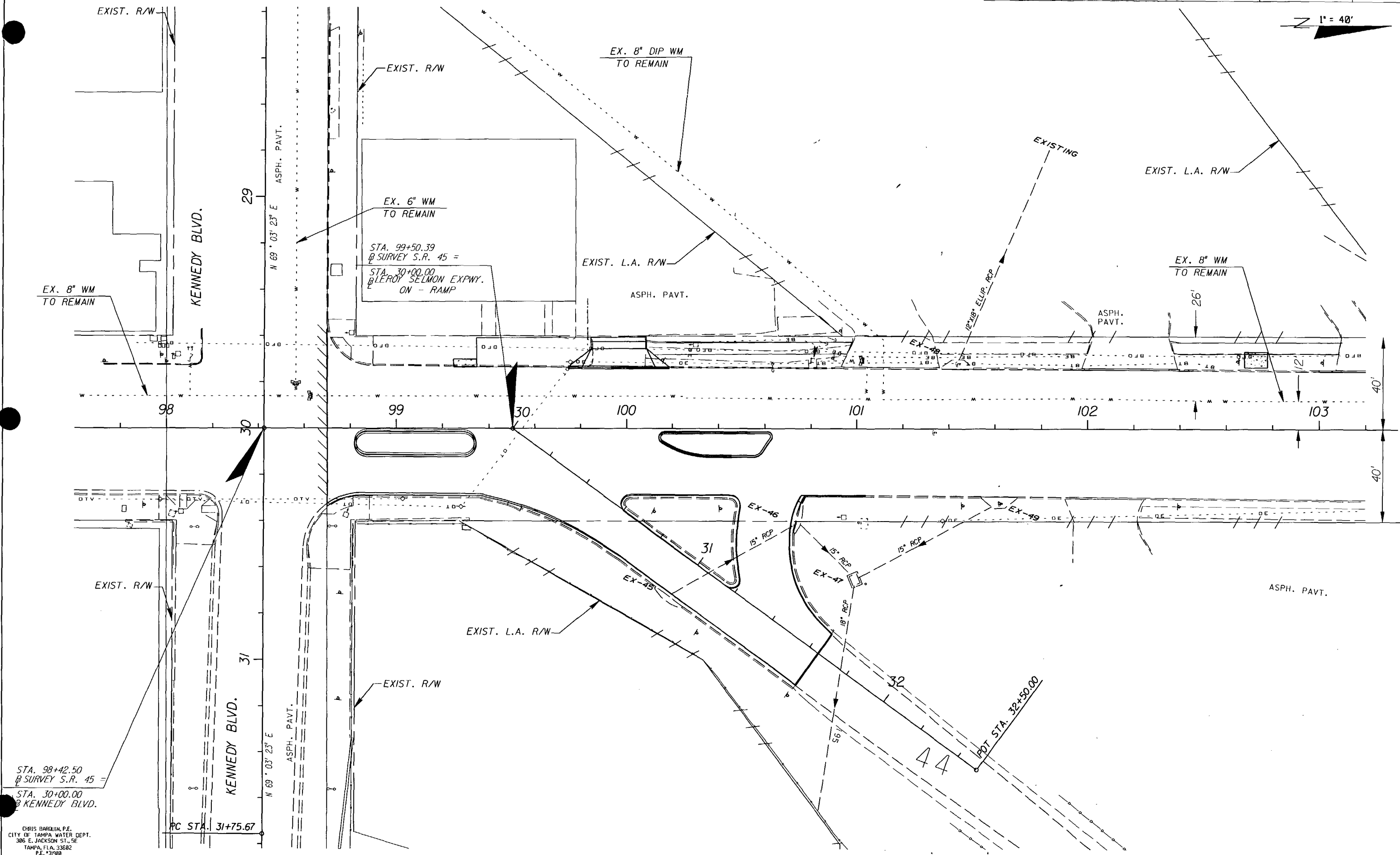
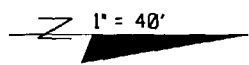
MAIN RELOCATION

S.R. 45 FROM KENNEDY BLVD. TO HILLSBOROUGH AVE.

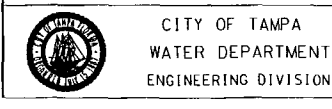
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|----------|------|----------|----|--------|------|----------------------|-------------------|
| No. | Date | REVISION | By | Des: | CB | W.D. 4540 | WISMA HEADLERS/EN |
| Approved | Date | | | Draw: | F.J. | FILE NUMBER | |
| | | | | Check: | CB | SHEET 5 OF 55 SHEETS | |

NOTICE: THE OFFICIAL RECORD OF THIS PLAN SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.

| | | | |
|----------------|----------------------|-----------------|-----------|
| UHWCA | FINANCIAL PROJECT ID | STATE PROJ. NO. | SHEET NO. |
| 255853-1-56-01 | | | U - 6 |

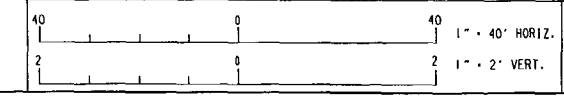


STA. 98+42.50 @ SURVEY S.R. 45 =
 STA. 30+00.00 @ KENNEDY BLVD.
 CHRIS BARQUIN, P.E.
 CITY OF TAMPA WATER DEPT.
 306 E. JACKSON ST., SE
 TAMPA, FLA. 33602
 P.E. #31988



MAIN RELOCATION

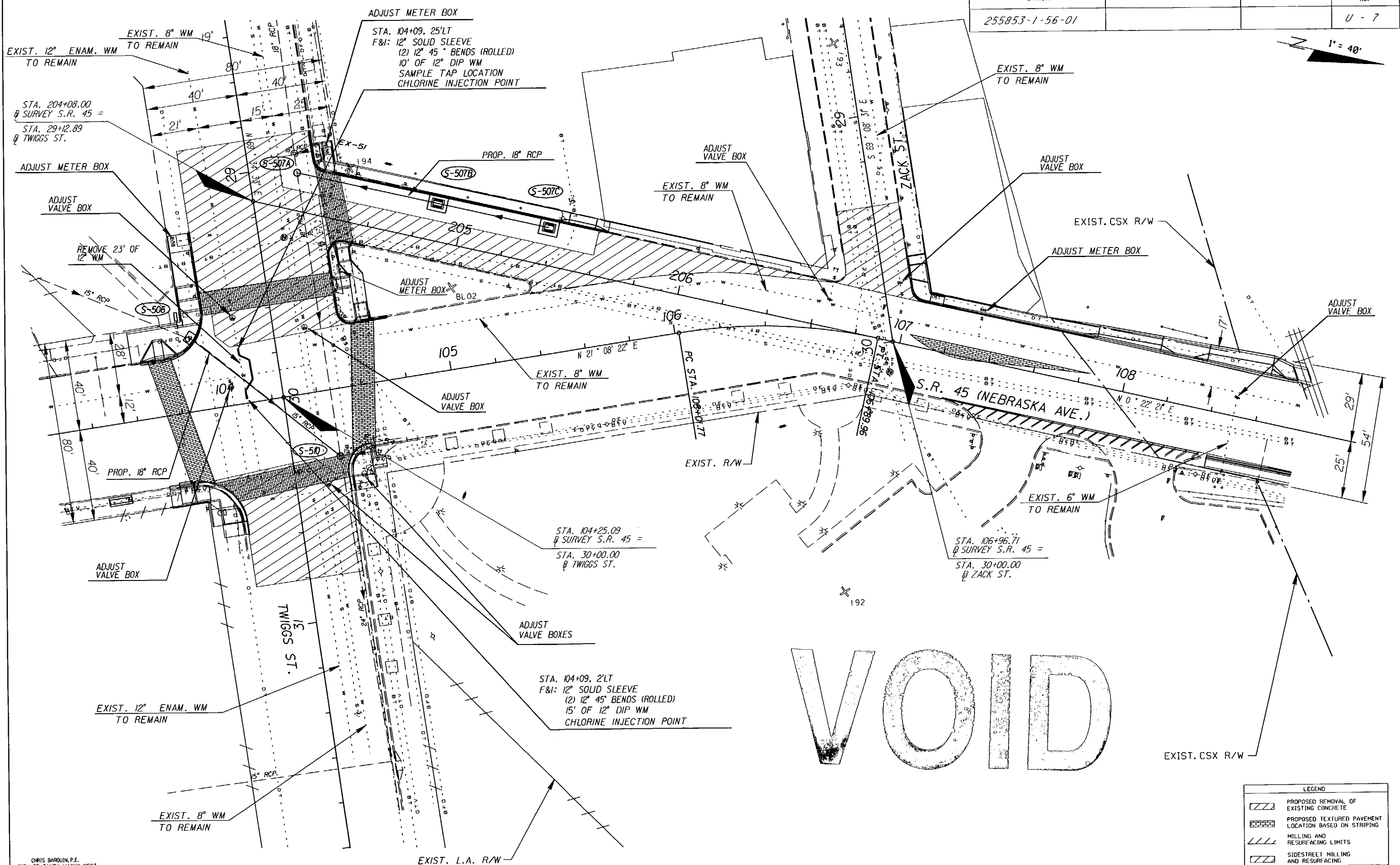
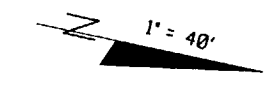
S.R. 45 FROM KENNEDY BLVD. TO HILLSBOROUGH AVE.
 STA. 114+40 TO STA. 120+00



| | | | | |
|-------------|-----|------|----------|----|
| Atlas Pages | No. | Date | REVISION | By |
| 1-13 | | | | |
| Approved | | Date | | |

| | | | |
|------|----|-----------|-----------------------------|
| Des: | CB | W.O. 4540 | FILE: NEBRASKA AVE. - SOUTH |
| Dwn: | FJ | | FILE NUMBER |
| Ckd: | CB | | |
| | | SHEET 6 | OF 55 SHEETS |

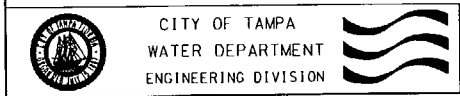
NOTICE: THE OFFICIAL RECORD OF THIS PLAN SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.



VOID

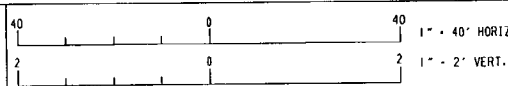
| LEGEND | |
|--------|---|
| | PROPOSED REMOVAL OF EXISTING CONCRETE |
| | PROPOSED TEXTURED PAVEMENT LOCATION BASED ON STRIPING |
| | MILLING AND RESURFACING LIMITS |
| | SIDESTREET MILLING AND RESURFACING |

CHRIS BARQUIN, P.E.
CITY OF TAMPA WATER DEPT.
385 E. JACKSON ST., 5E
TAMPA, FLA. 33602
P.E. #31989



MAIN RELOCATION

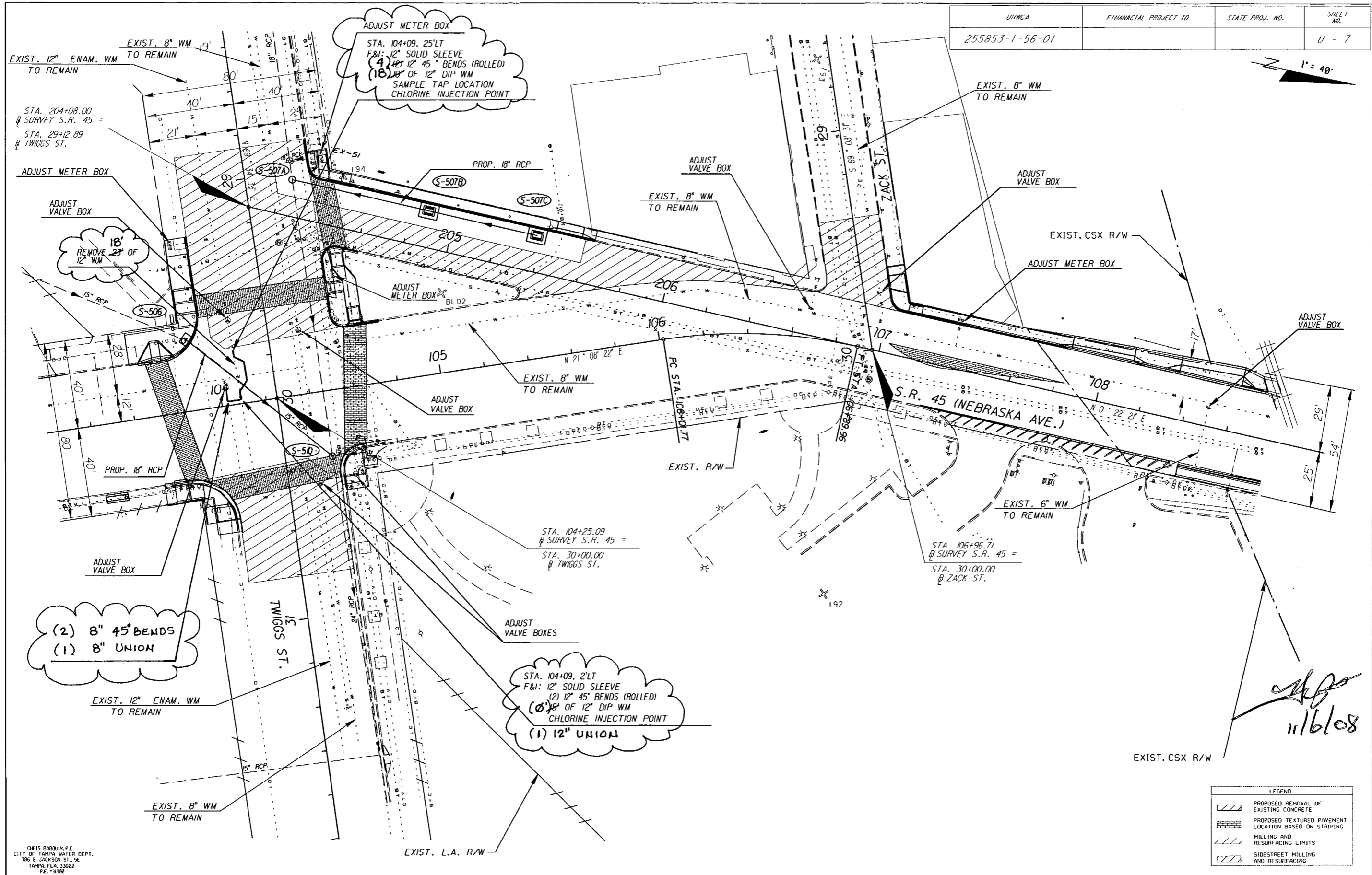
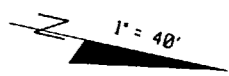
S.R. 45 FROM KENNEDY BLVD. TO HILLSBOROUGH AVE.
STA. 103+20 TO STA. 108+80



| | | | | | |
|-------------|------|-----|---------------|----------|----|
| Atlas Pages | H-12 | No. | Date | REVISION | By |
| | I-13 | | Approved Date | | |

| | | | |
|------|----|----------------------|-----------------------------|
| Des: | CB | W.O. 4540 | FILE NUMBER |
| Dwn: | FJ | | |
| Ckd: | CB | SHEET 7 OF 55 SHEETS | FILE: NEBRASKA AVE. - SOUTH |

NOTICE: THE OFFICIAL RECORD OF THIS PLAN SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.



(2) 8" 45° BENDS
(1) 8" UNION

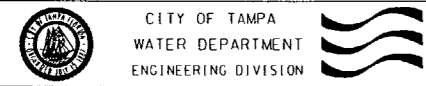
ADJUST METER BOX
STA. 104+09, 25' LT
F&I: 12" SOLID SLEEVE
(4) 12" 45° BENDS (ROLLED)
(18) 8" OF 12" DIP WM
SAMPLE TAP LOCATION
CHLORINE INJECTION POINT

STA. 104+09, 2' LT
F&I: 12" SOLID SLEEVE
(2) 12" 45° BENDS (ROLLED)
(6) 8" OF 12" DIP WM
CHLORINE INJECTION POINT
(1) 12" UNION

| LEGEND | |
|--------|---|
| | PROPOSED REMOVAL OF EXISTING CONCRETE |
| | PROPOSED TEXTURED PAVEMENT LOCATION BASED ON STRIPING |
| | MILLING AND RESURFACING LIMITS |
| | SIDESTREET MILLING AND RESURFACING |

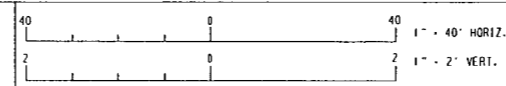
[Signature]
11/6/08

CHRIS BARON, P.E.
CITY OF TAMPA WATER DEPT.
306 E. JACKSON ST., SE
TAMPA, FLA. 33602
P.E. #31908



MAIN RELOCATION

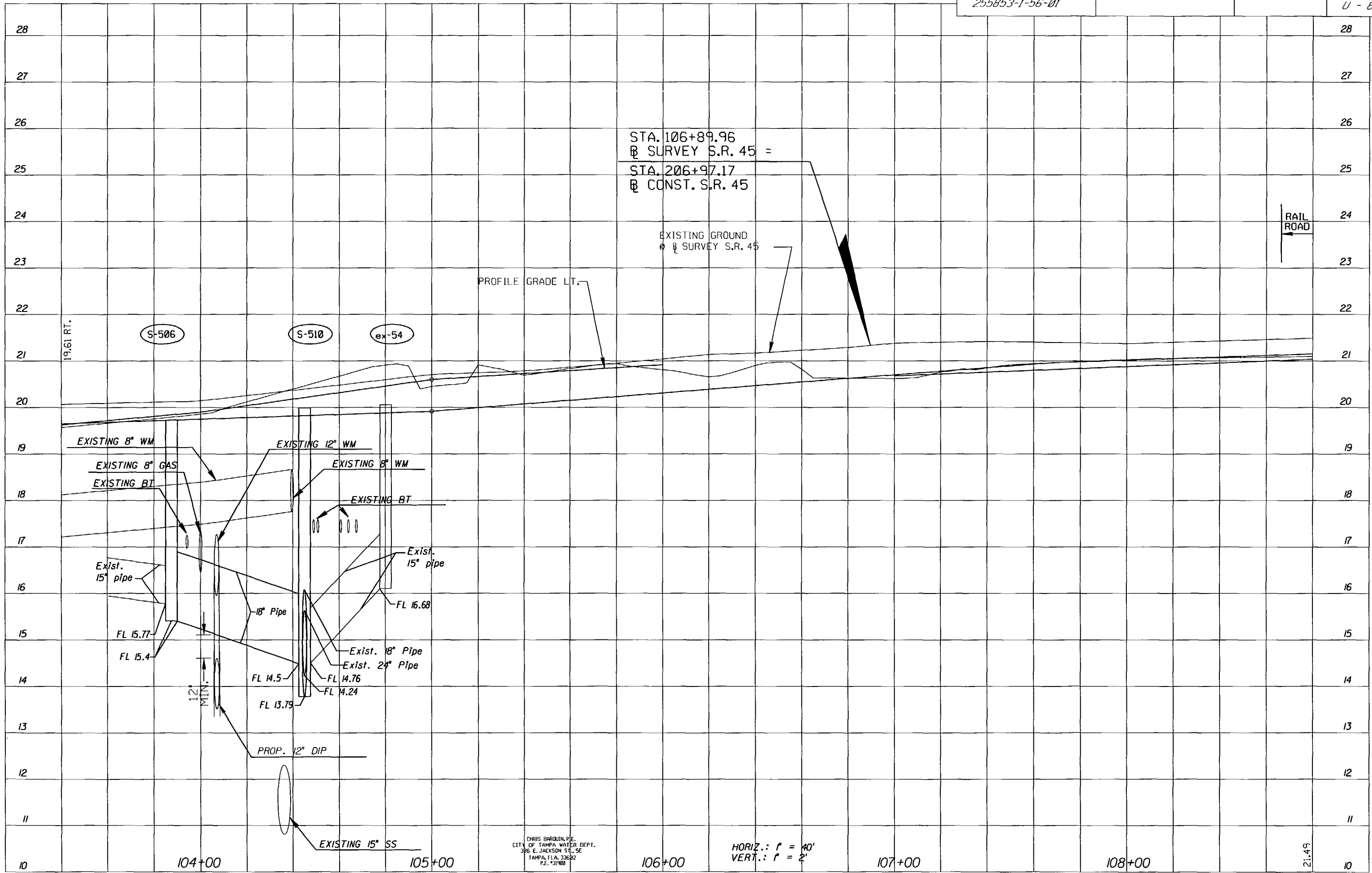
S.R. 45 FROM KENNEDY BLVD. TO HILLSBOROUGH AVE.
STA. 103+20 TO STA. 108+80



| | | | |
|------|----|----------------------|----------------------------|
| Des: | CB | W.O. 4540 | File: NEBRASKA AVE. - 50TH |
| Dwn: | FJ | FILE NUMBER | |
| Ckd: | CB | SHEET 7 OF 55 SHEETS | |

| No. | Date | REVISION | By |
|-----|------|----------|----|
| 1 | | | |
| 2 | | | |

NOTICE: THE OFFICIAL RECORD OF THIS PLAN SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.

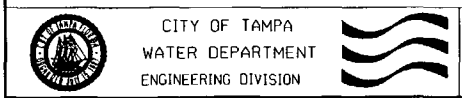


CHRIS BARQUIN, P.E.
 CITY OF TAMPA WATER DEPT.
 396 E. JACKSON ST., SE
 TAMPA, FLA. 33602
 P.E. #31988

HORIZ.: 1" = 40'
 VERT.: 1" = 2'

21.45

NOTICE: THE OFFICIAL RECORD OF THIS PLAN SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.



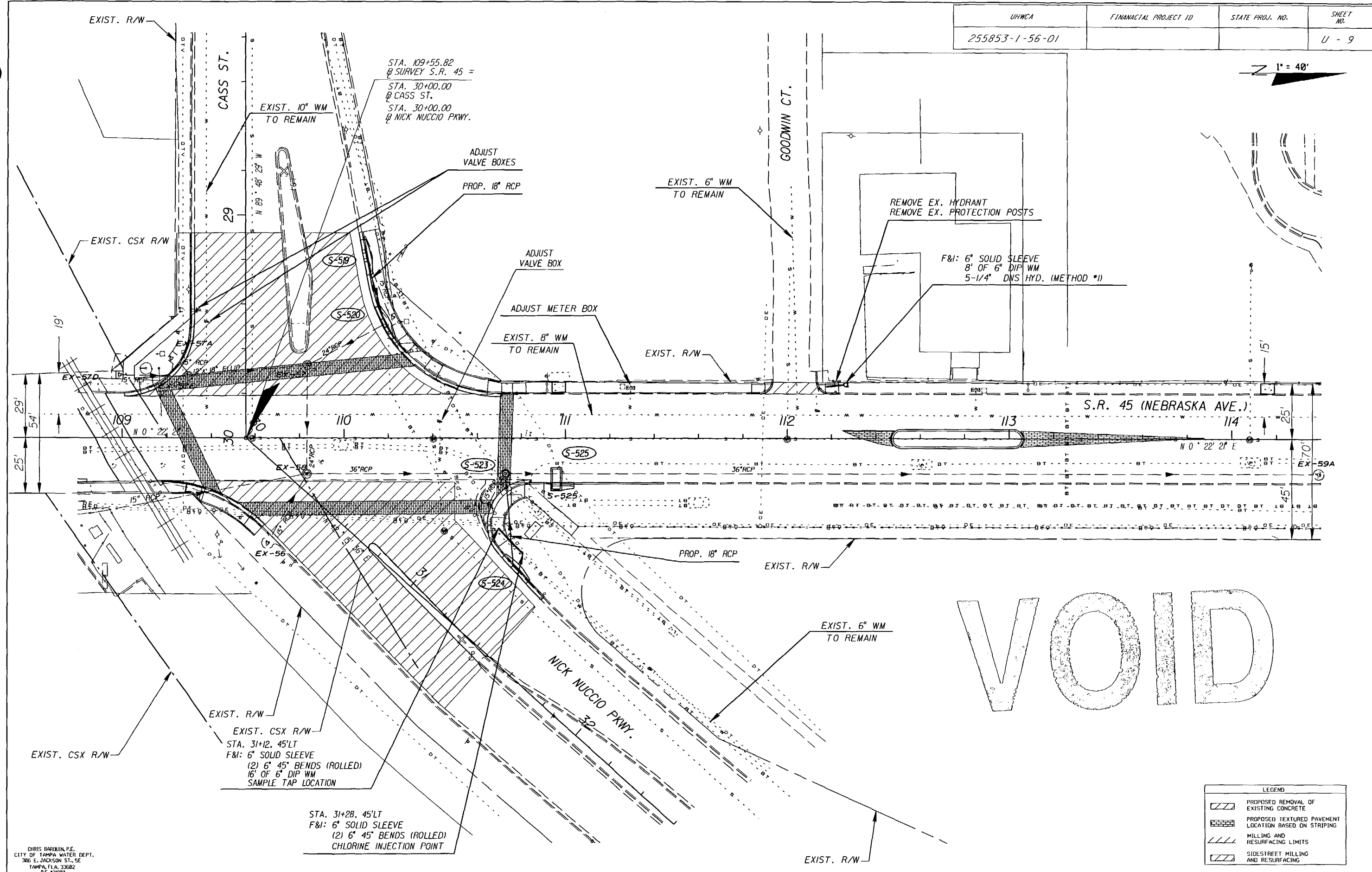
MAIN RELOCATION

S.R. 45 FROM KENNEDY BLVD. TO HILLSBOROUGH AVE.
 STA. 103+20 TO STA. 108+80



| | | | | |
|---------------|----------|----------|-------------|-----------------------------|
| Atlas Pages | 1-13 | Dest: CB | V.O. 4540 | File: NEBRASKA AVE. - SOUTH |
| No. Date | REVISION | By | FILE NUMBER | |
| Approved Date | | Ckcd: CB | SHEET 8 | OF 55 SHEETS |

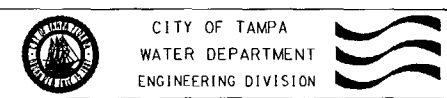
N 1° = 40'



VOID

| LEGEND | |
|--------|---|
| | PROPOSED REMOVAL OF EXISTING CONCRETE |
| | PROPOSED TEXTURED PAVEMENT LOCATION BASED ON STRIPING |
| | MILLING AND RESURFACING LIMITS |
| | SIDE STREET MILLING AND RESURFACING |

CHRIS BARQUIN, P.E.
CITY OF TAMPA WATER DEPT.
306 E. JACKSON ST., SE
TAMPA, FLA. 33602
P.E. #31988



MAIN RELOCATION

S.R. 45 FROM KENNEDY BLVD. TO HILLSBOROUGH AVE.
STA. 108+80 TO STA. 114+40

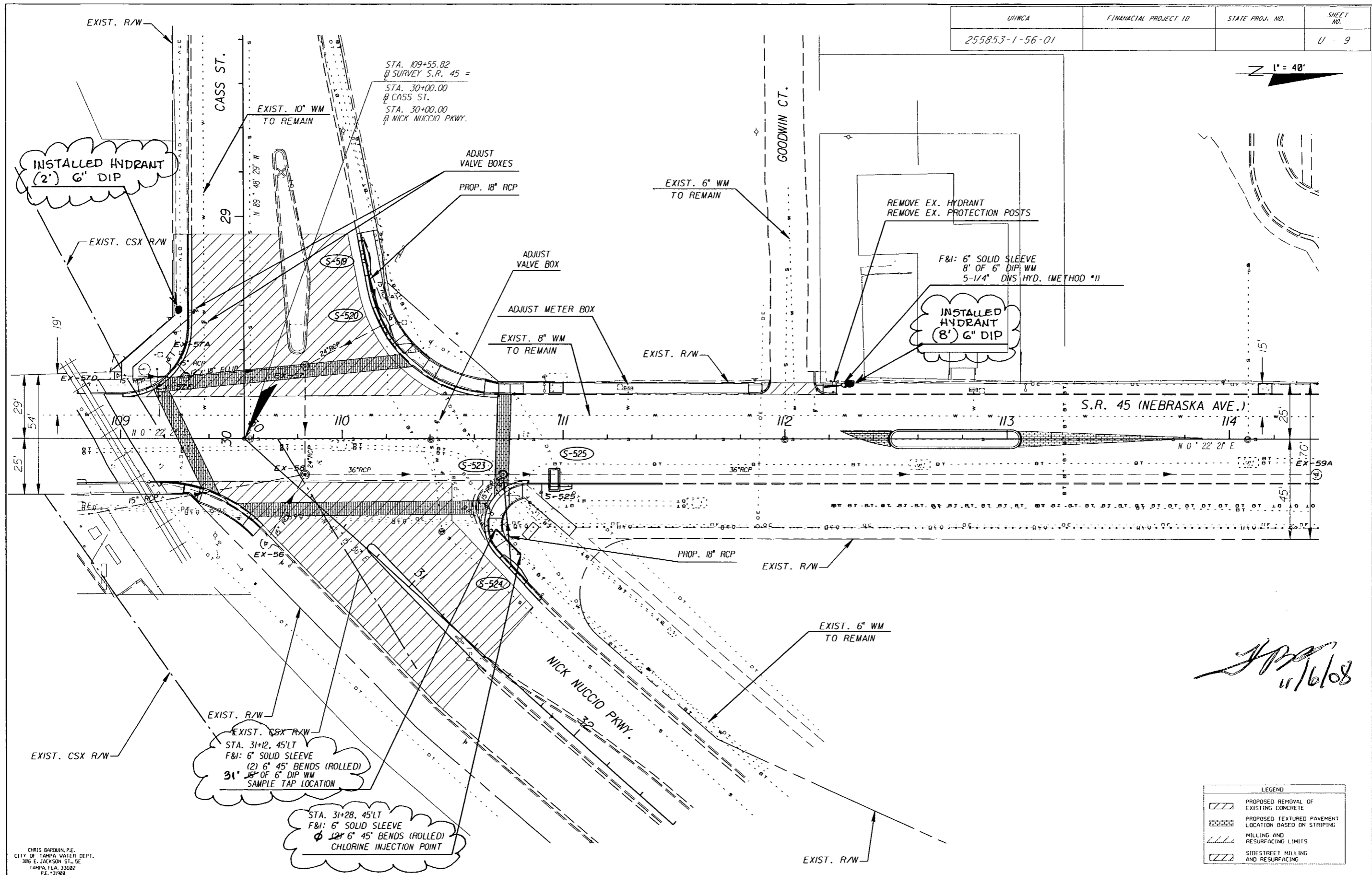
| | | | |
|----|---|----|-----------------|
| 40 | 0 | 40 | 1" = 40' HORIZ. |
| 2 | 0 | 2 | 1" = 2' VERT. |

| | | | |
|-------------|------|---------------|-----------------------------|
| Atlas Pages | H-12 | Approved Date | |
| No. | Date | REVISION | By |
| Desg. | CB | W.O. 4540 | FILE# NEBRASKA AVE. - SOUTH |
| Dwnr. | FJ | | FILE NUMBER |
| Ckdt. | CB | SHEET 9 | OF 55 SHEETS |

NOTICE: THE OFFICIAL RECORD OF THIS PLAN SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.

| | | | |
|----------------|----------------------|-----------------|-----------|
| UHWCA | FINANCIAL PROJECT ID | STATE PROJ. NO. | SHEET NO. |
| 255853-1-56-01 | | | U - 9 |

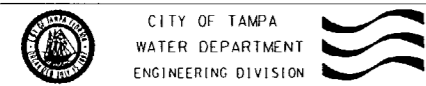
1" = 40'



JPA
11/6/08

| LEGEND | |
|--------|---|
| | PROPOSED REMOVAL OF EXISTING CONCRETE |
| | PROPOSED TEXTURED PAVEMENT LOCATION BASED ON STRIPING |
| | MILLING AND RESURFACING LIMITS |
| | SIDESTREET MILLING AND RESURFACING |

CHRIS BARQUIN, P.E.
CITY OF TAMPA WATER DEPT.
386 E. JACKSON ST., SE
TAMPA, FLA. 33602
P.E. #19488



MAIN RELOCATION

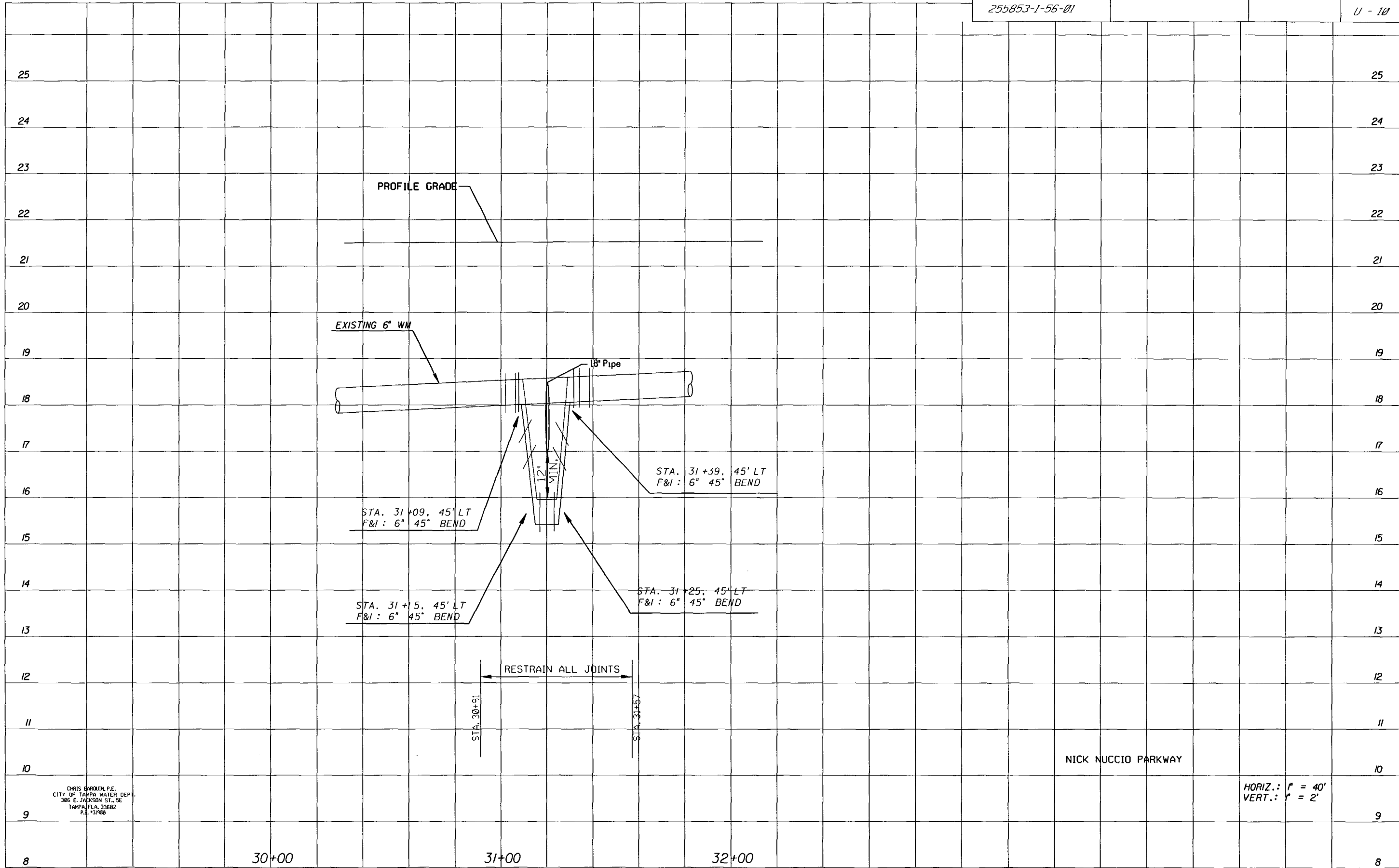
S.R. 45 FROM KENNEDY BLVD. TO HILLSBOROUGH AVE.
STA. 108+80 TO STA. 114+40



| | |
|-------------|------|
| Atlas Pages | H-12 |
| No. | Date |
| REVISION | By |
| Approved | Date |

| | | |
|---------|-------------|-----------------------------|
| Des: CB | W.O. 4540 | File: NEBRASKA AVE. - SOUTH |
| Dwn: FJ | FILE NUMBER | |
| Ckd: CB | SHEET 9 | OF 55 SHEETS |

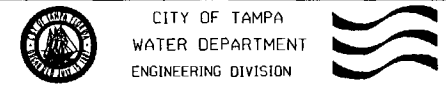
NOTICE: THE OFFICIAL RECORD OF THIS PLAN SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-231.003, F.A.C.



CHRIS BRADIN, P.E.
CITY OF TAMPA WATER DEPT.
306 E. JACKSON ST., SE
TAMPA, FLA. 33602
P.E. #31988

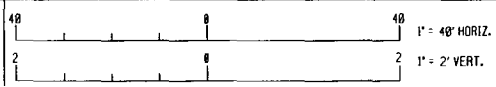
NICK NUCCIO PARKWAY

HORIZ.: 1" = 40'
VERT.: 1" = 2'



MAIN RELOCATION

S.R.45 FROM KENNEDY BLVD. TO HILLSBOROUGH AVE.
STA. 108+80 TO STA. 114+40



Atlas Pages
H-12

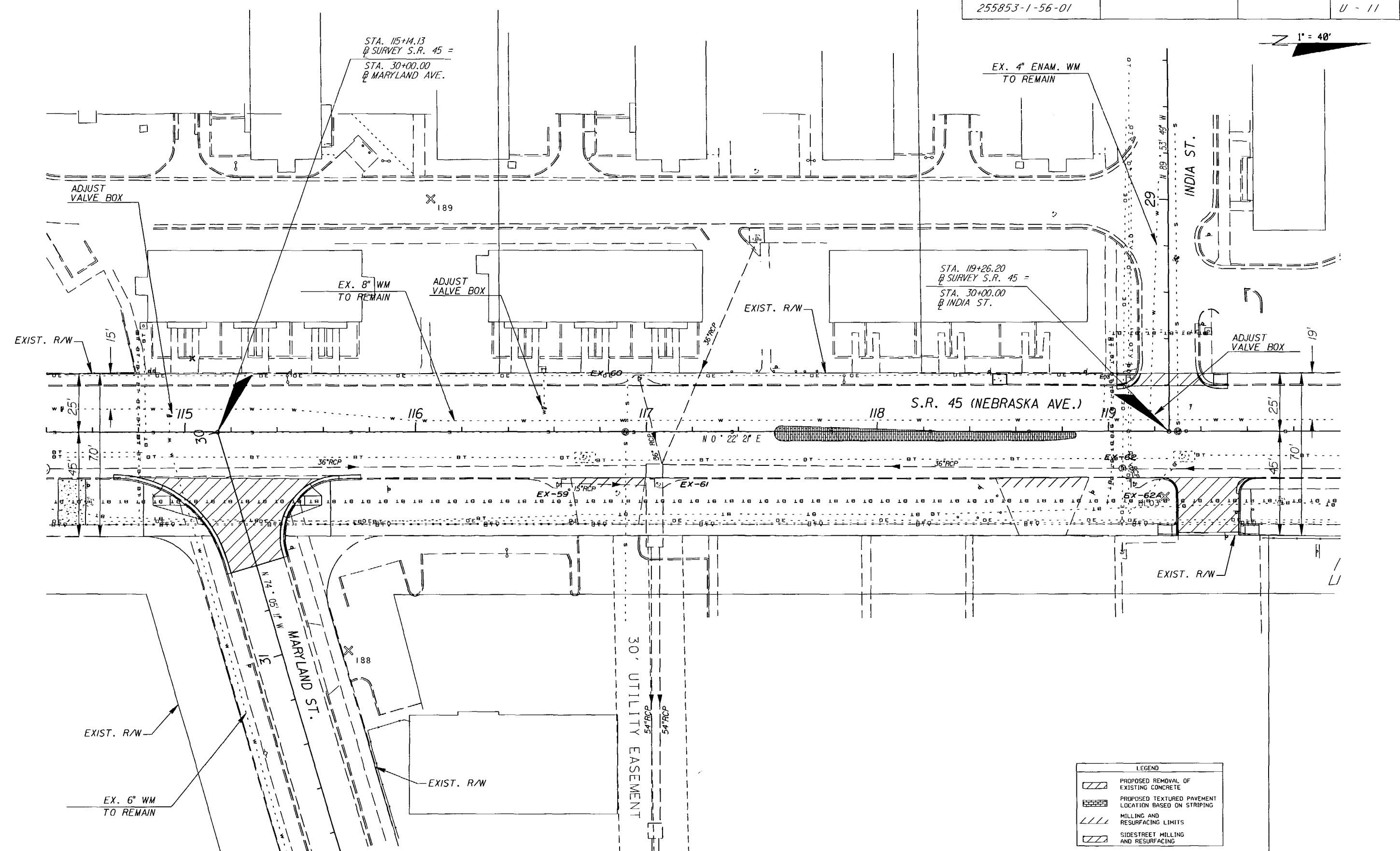
| No. | Date | REVISION | By |
|-----|------|----------|----|
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|----------|-------------|-----------------------------|
| Dess: CB | W.D. 4540 | File: NEBRASKA AVE. - SOUTH |
| Dwn: FJ | FILE NUMBER | |
| Ckd: CB | SHEET 10 | OF 55 SHEETS |

NOTICE: THE OFFICIAL RECORD OF THIS PLAN SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.

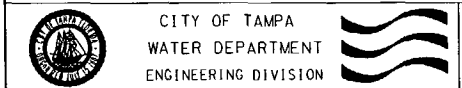
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|----------------|----------------------|-----------------|-----------|
| UHWCA | FINANCIAL PROJECT ID | STATE PROJ. NO. | SHEET NO. |
| 255853-1-56-01 | | | U - 11 |

1" = 40'



| LEGEND | |
|--------|---|
| | PROPOSED REMOVAL OF EXISTING CONCRETE |
| | PROPOSED TEXTURED PAVEMENT LOCATION BASED ON STRIPING |
| | MILLING AND RESURFACING LIMITS |
| | SIDESTREET MILLING AND RESURFACING |

CHRIS BARQUIN, P.E.
CITY OF TAMPA WATER DEPT.
306 E. JACKSON ST., SE
TAMPA, FLA. 33602
P.E. #31988



MAIN RELOCATION

S.R. 45 FROM KENNEDY BLVD. TO HILLSBOROUGH AVE.
STA. 114+40 TO STA. 120+00



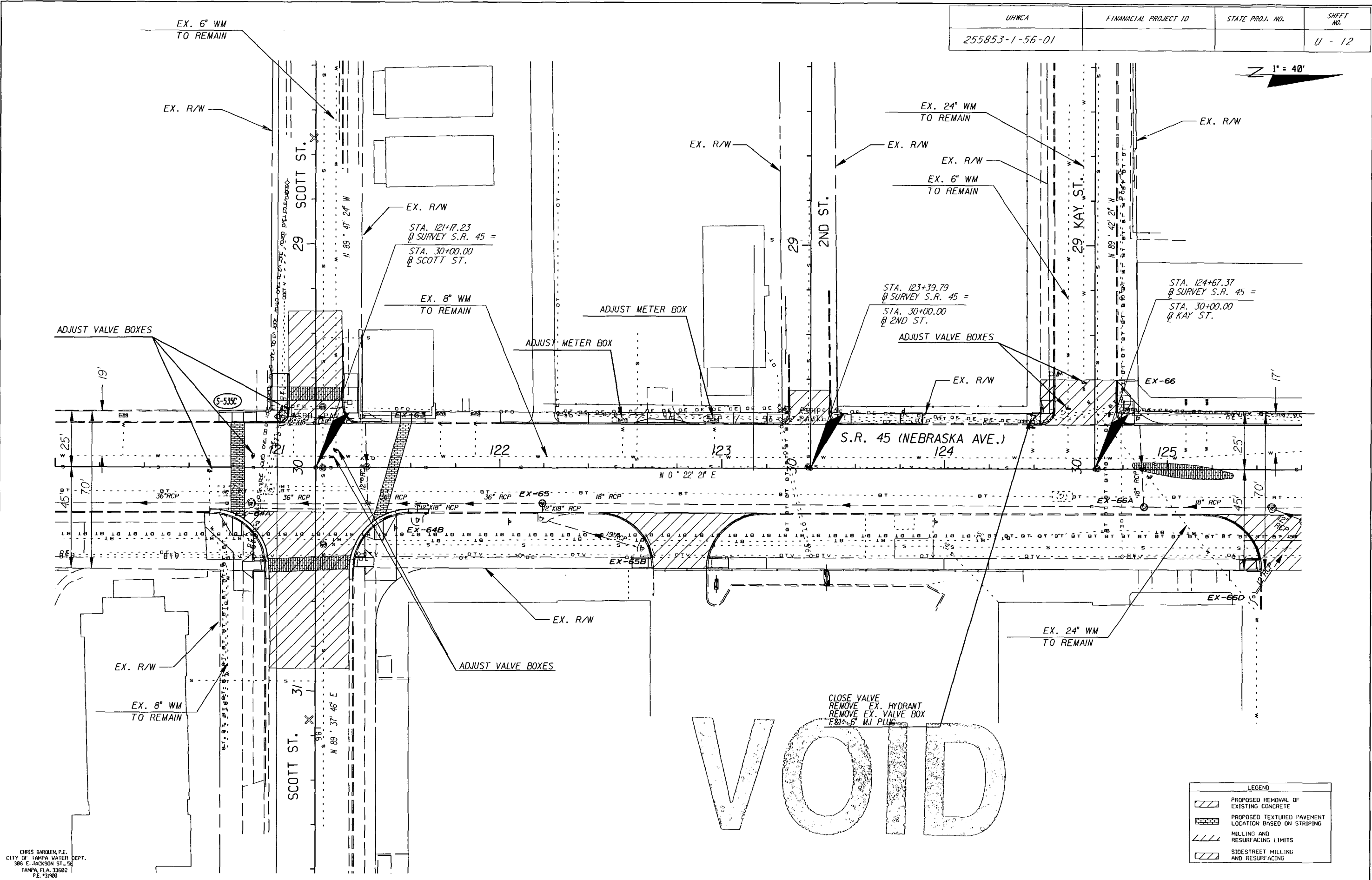
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|-------------|------|------|----------|----|
| Atlas Pages | No. | Date | REVISION | By |
| H-12 | | | | |
| Approved | Date | | | |
| | | | | |

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| Dess: CB | W.O. 4540 | File: NEBRASKA AVE. - SOUTH |
| Dwn: FJ | FILE NUMBER | |
| Ckd: CB | SHEET 11 | OF 55 SHEETS |

NOTICE: THE OFFICIAL RECORD OF THIS PLAN SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23-003, F.A.C.

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|----------------|----------------------|-----------------|-----------|
| UHWCA | FINANCIAL PROJECT ID | STATE PROJ. NO. | SHEET NO. |
| 255853-1-56-01 | | | U - 12 |

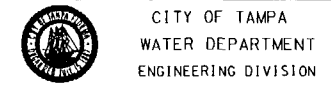
N 1" = 40'



VOID

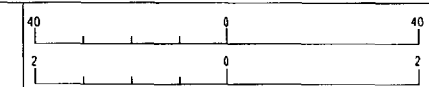
| LEGEND | |
|--------|---|
| | PROPOSED REMOVAL OF EXISTING CONCRETE |
| | PROPOSED TEXTURED PAVEMENT LOCATION BASED ON STRIPING |
| | MILLING AND RESURFACING LIMITS |
| | SIDESTREET MILLING AND RESURFACING |

CHRIS BARQUIN, P.E.
CITY OF TAMPA WATER DEPT.
306 E. JACKSON ST., 5E
TAMPA, FLA. 33602
P.E. #31900



MAIN RELOCATION

S.R. 45 FROM KENNEDY BLVD. TO HILLSBOROUGH AVE.
STA. 120+00 TO STA. 125+60



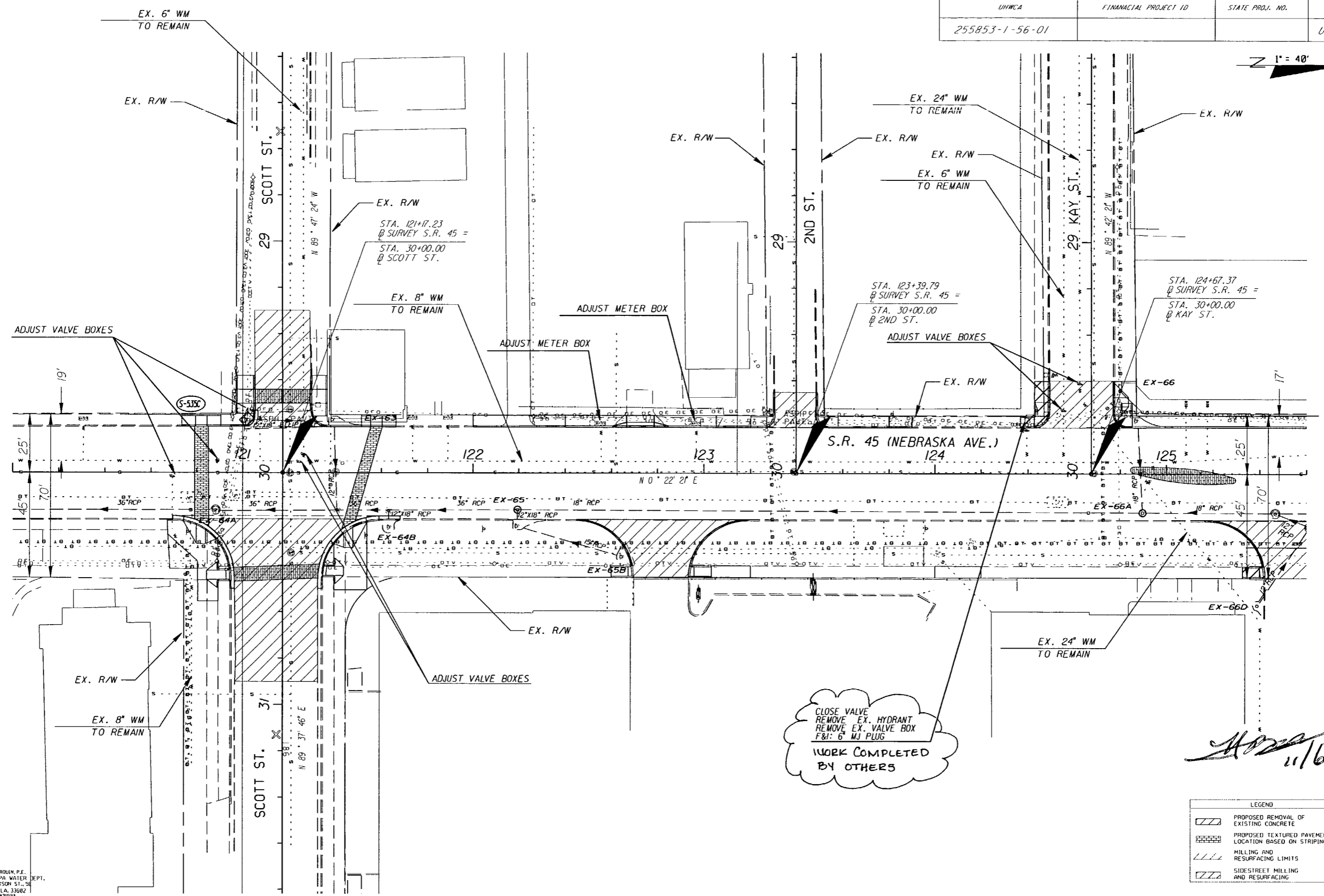
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| Atlas Pages | No. Date | REVISION | By |
| H-12 | Approved Date | | |

| | | | |
|------|----|-------------|-----------------------------|
| Des: | CB | W.O. 4540 | File: NEBRASKA AVE. - SOUTH |
| Dwn: | FJ | FILE NUMBER | |
| Ckd: | CB | SHEET 12 | OF 55 SHEETS |

NOTICE: THE OFFICIAL RECORD OF THIS PLAN SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.

| | | | |
|----------------|----------------------|-----------------|-----------|
| UHWCA | FINANCIAL PROJECT ID | STATE PROJ. NO. | SHEET NO. |
| 255853-1-56-01 | | | U - 12 |

1" = 40'

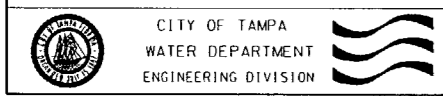


CLOSE VALVE
 REMOVE EX. HYDRANT
 REMOVE EX. VALVE BOX
 F&I: 6" MJ PLUG
 WORK COMPLETED
 BY OTHERS

[Signature]
 11/6/08

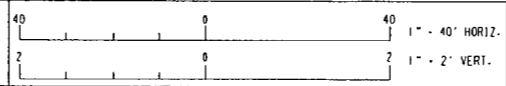
| LEGEND | |
|--------|---|
| | PROPOSED REMOVAL OF EXISTING CONCRETE |
| | PROPOSED TEXTURED PAVEMENT LOCATION BASED ON STRIPING |
| | MILLING AND RESURFACING LIMITS |
| | SIDESTREET MILLING AND RESURFACING |

CHRIS BARQUIN, P.E.
 CITY OF TAMPA WATER DEPT.
 386 E. JACKSON ST., 5E
 TAMPA, FLA. 33602
 P.E. #31908



MAIN RELOCATION

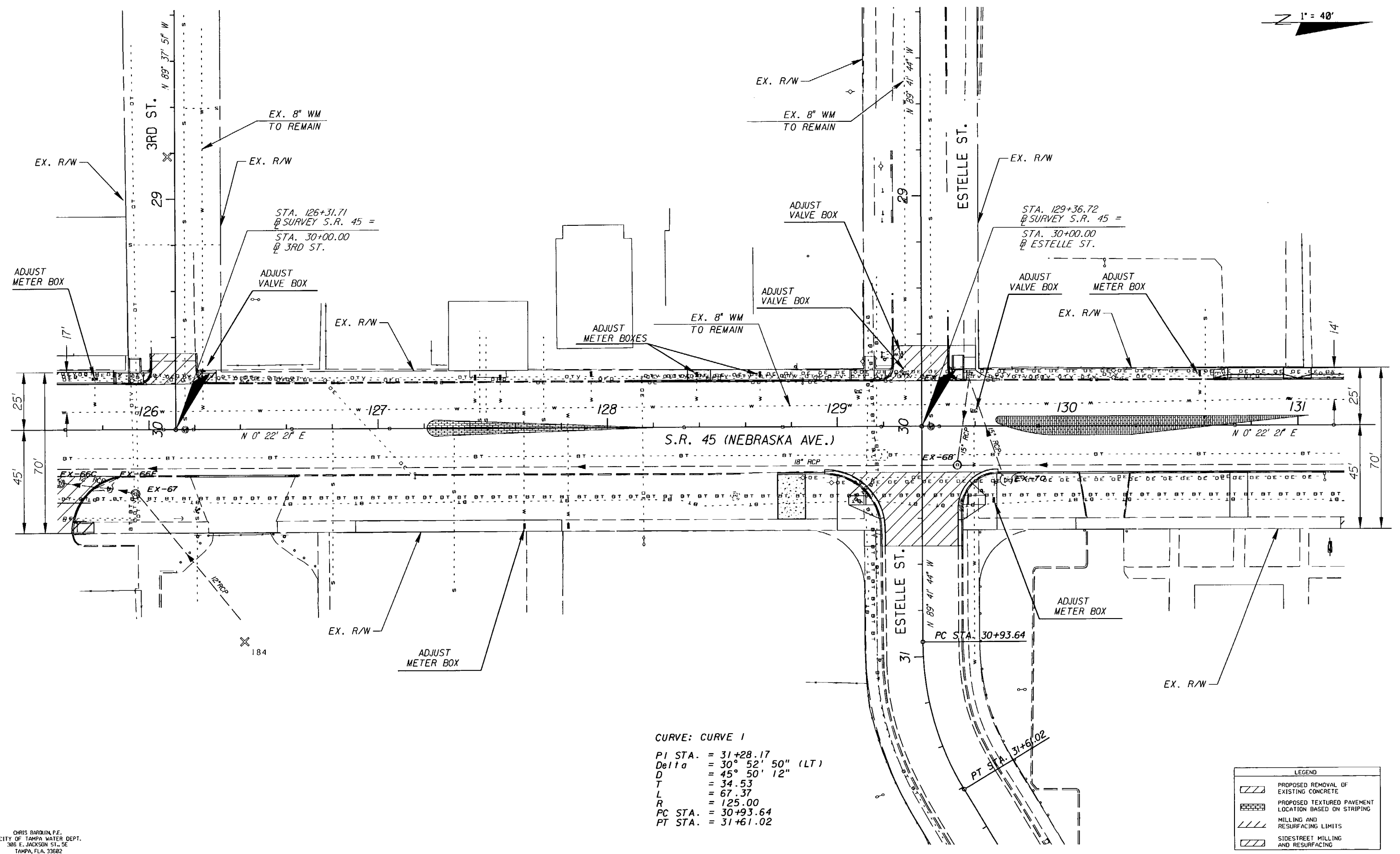
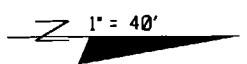
S.R. 45 FROM KENNEDY BLVD. TO HILLSBOROUGH AVE.
 STA. 120+00 TO STA. 125+60



| | | | |
|-------------|------|----------|----|
| Atlas Pages | | H-12 | |
| No. | Date | REVISION | By |
| | | | |
| | | | |

| | | |
|---------|-------------|---------------------------|
| Des: CB | N.O. 4540 | File: NEBRASKA AVE. SOUTH |
| Dwn: FJ | FILE NUMBER | |
| Chk: CB | SHEET 12 | OF 55 SHEETS |

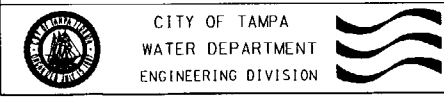
NOTICE: THE OFFICIAL RECORD OF THIS PLAN SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.



CURVE: CURVE 1
 PI STA. = 31+28.17
 Delta = 30° 52' 50" (LT)
 D = 45° 50' 12"
 T = 34.53
 L = 67.37
 R = 125.00
 PC STA. = 30+93.64
 PT STA. = 31+61.02

| LEGEND | |
|--------|---|
| | PROPOSED REMOVAL OF EXISTING CONCRETE |
| | PROPOSED TEXTURED PAVEMENT LOCATION BASED ON STRIPING |
| | MILLING AND RESURFACING LIMITS |
| | SIDESTREET MILLING AND RESURFACING |

CHRIS BARQUIN, P.E.
 CITY OF TAMPA WATER DEPT.
 306 E. JACKSON ST., 5E
 TAMPA, FLA. 33602
 P.E. #37968



MAIN RELOCATION

S.R. 45 FROM KENNEDY BLVD. TO HILLSBOROUGH AVE.
 STA. 125+60 TO STA. 131+20

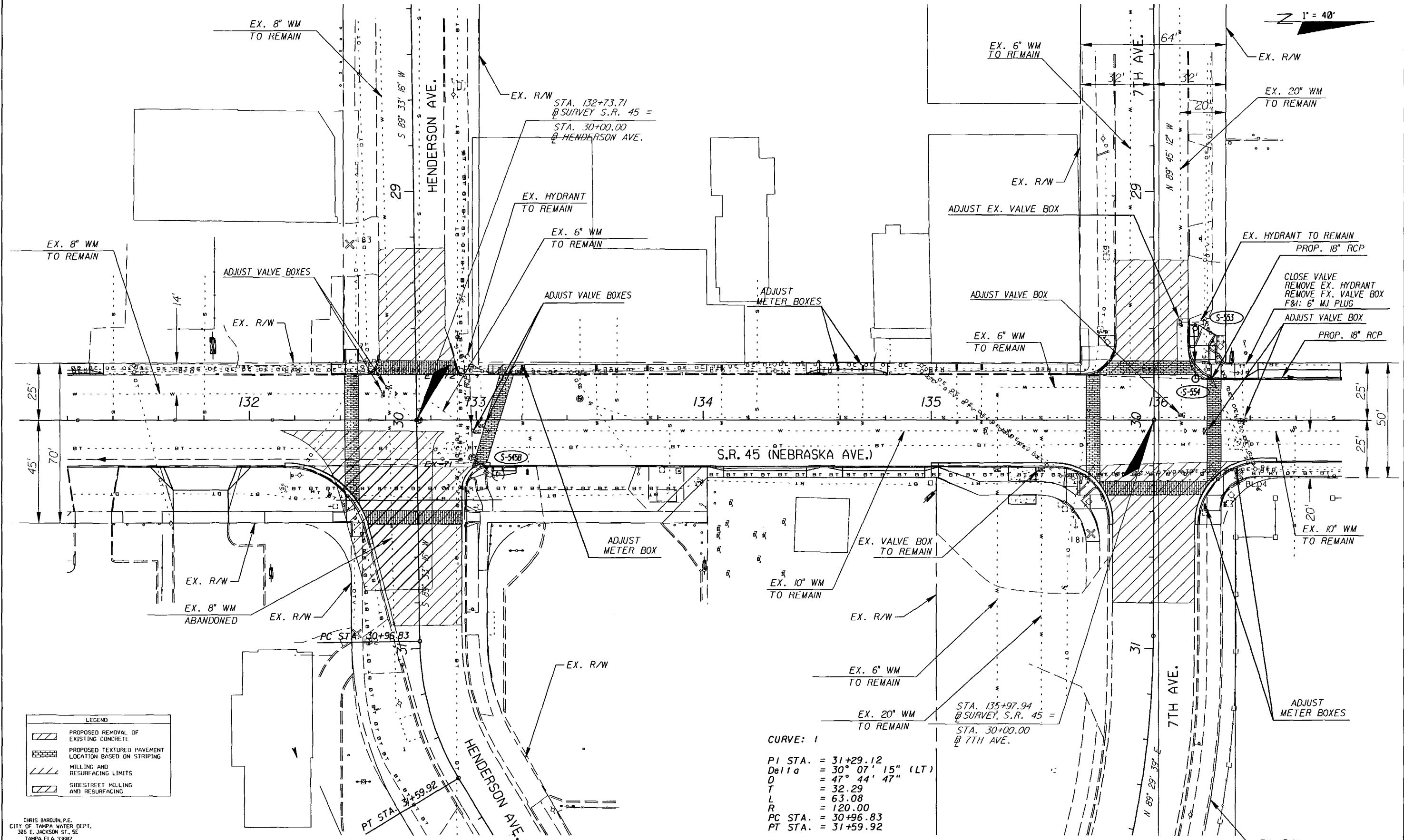
| | | | | |
|----|---|----|-----------------|-------------|
| 40 | 0 | 40 | 1" = 40' HORIZ. | Atlas Pages |
| 2 | 0 | 2 | 1" = 2" VERT. | H-12 |

| No. | Date | REVISION | By |
|-----|------|----------|----|
| | | | |

| | | | |
|------|----|-------------|-----------------------------|
| Des: | CB | W.O. 4540 | File: NEBRASKA AVE. - SOUTH |
| Dwn: | FJ | FILE NUMBER | |
| Ckd: | CB | SHEET 13 | OF 55 SHEETS |

NOTICE: THE OFFICIAL RECORD OF THIS PLAN SHEET IS THE ELECTRONIC FILE STORED AND SEALED UNDER RULE 61G15-23.003, F.A.C.

| | | | |
|----------------|----------------------|-----------------|-----------|
| UHWCA | FINANCIAL PROJECT ID | STATE PROJ. NO. | SHEET NO. |
| 255853-1-56-01 | | | U - 14 |



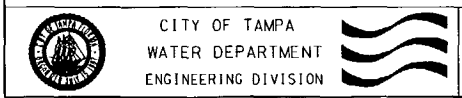
LEGEND

| | |
|--|---|
| | PROPOSED REMOVAL OF EXISTING CONCRETE |
| | PROPOSED TEXTURED PAVEMENT LOCATION BASED ON STRIPING |
| | MILLING AND RESURFACING LIMITS |
| | SIDESTREET MILLING AND RESURFACING |

CURVE: 1

PI STA. = 31+29.12
 Delta = 30° 07' 15" (LT)
 D = 47° 44' 47"
 T = 32.29
 L = 63.08
 R = 120.00
 PC STA. = 30+96.83
 PT STA. = 31+59.92

CHRIS BARQUIN, P.E.
 CITY OF TAMPA WATER DEPT.
 306 E. JACKSON ST., SE
 TAMPA, FLA. 33602
 P.E. #31988



MAIN RELOCATION

S.R. 45 FROM KENNEDY BLVD. TO HILLSBOROUGH AVE.
 STA. 131+20 TO STA. 136+80



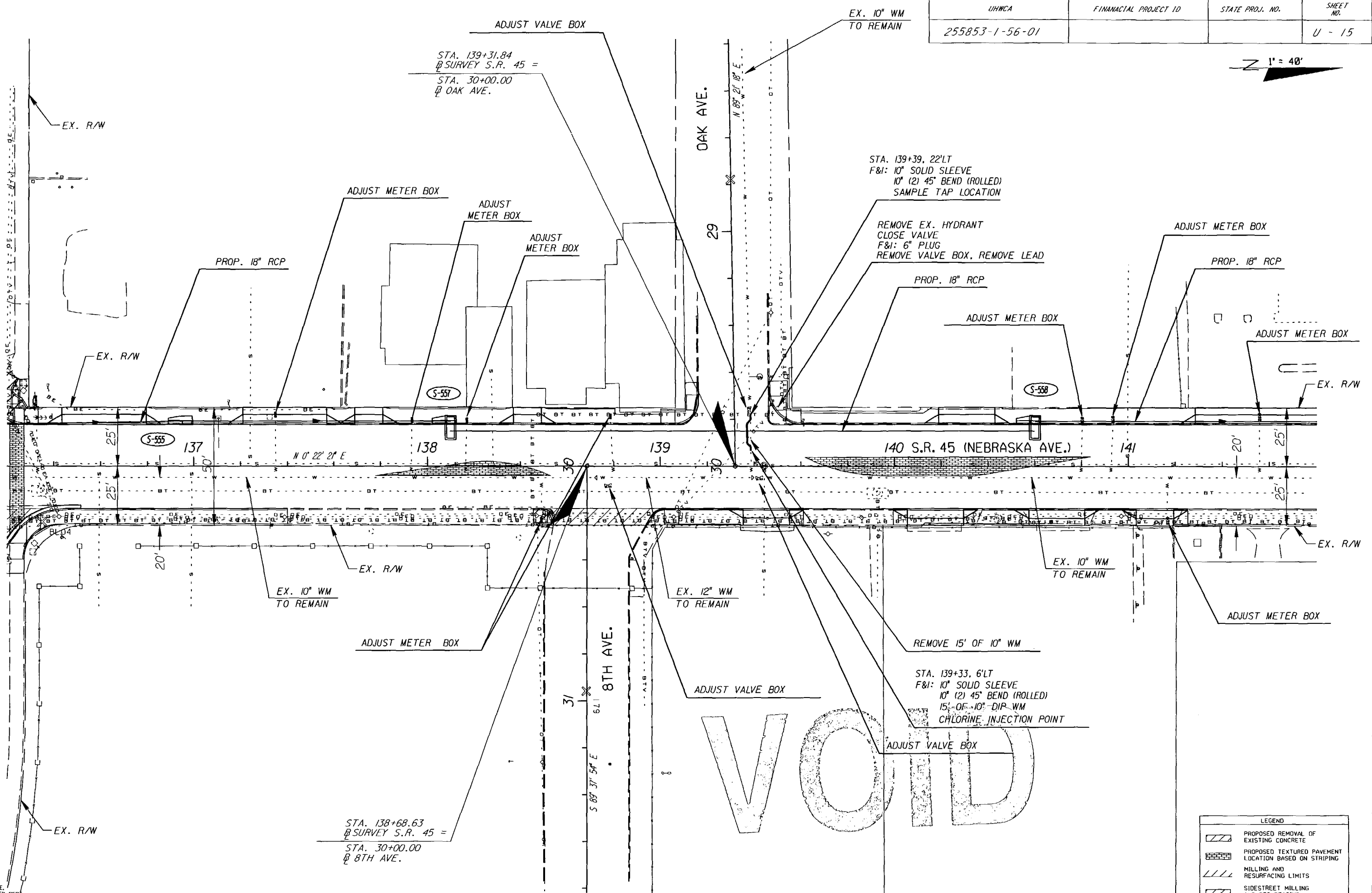
| | |
|---------------|------|
| Atlas Pages | H-12 |
| No. Date | |
| REVISION | |
| By | |
| Approved Date | |

| | | |
|----------|-----------|------------------------------|
| Des: CB | W.O. 4540 | FILE # NEBRASKA AVE. - SOUTH |
| Dwn: FJ | | FILE NUMBER |
| Ckd: CB | | |
| SHEET 14 | OF 55 | SHEETS |

NOTICE: THE OFFICIAL RECORD OF THIS PLAN SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23-003, F.A.C.

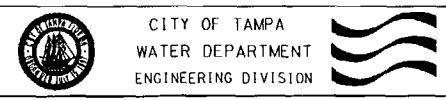
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| UHWCA | FINANCIAL PROJECT ID | STATE PROJ. NO. | SHEET NO. |
| 255853-1-56-01 | | | U-15 |

1" = 40'



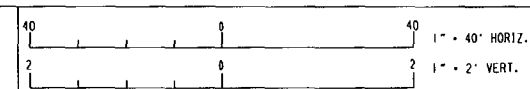
| LEGEND | |
|--------|---|
| | PROPOSED REMOVAL OF EXISTING CONCRETE |
| | PROPOSED TEXTURED PAVEMENT LOCATION BASED ON STRIPING |
| | MILLING AND RESURFACING LIMITS |
| | SIDESTREET MILLING AND RESURFACING |

CHRIS BARQUIN, P.E.
CITY OF TAMPA WATER DEPT.
306 E. JACKSON ST., SE
TAMPA, FLA. 33602
P.E. #31988



MAIN RELOCATION

S.R. 45 FROM KENNEDY BLVD. TO HILLSBOROUGH AVE.
STA. 136+80 TO STA. 141+80



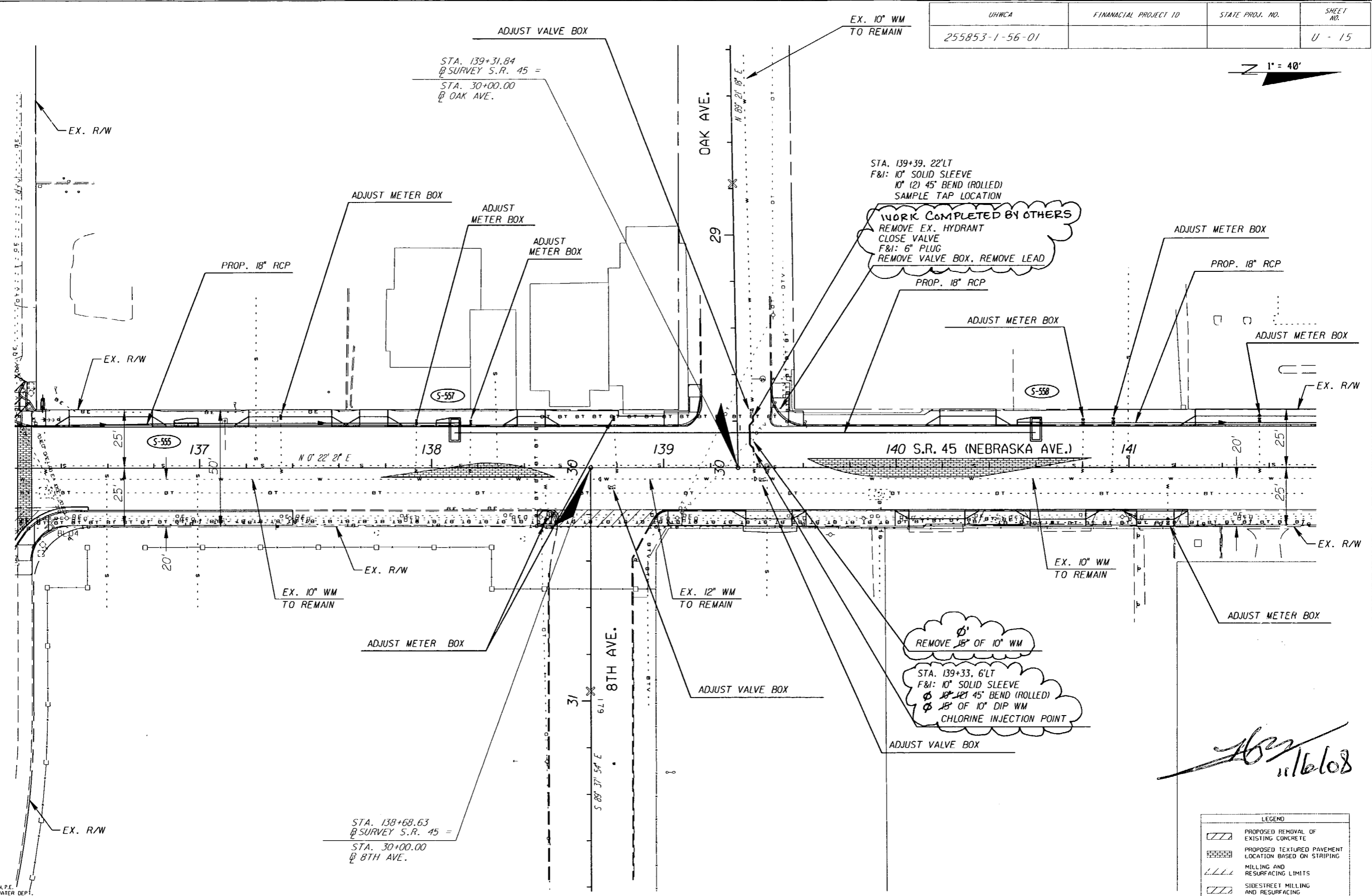
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| Atlas Pages | No. | Date | REVISION | By |
| H-12 | | | | |

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|---------|-----------|-----------------------------|
| Des: CB | W.O. 4540 | FILE: NEBRASKA AVE. - SOUTH |
| Dwn: FJ | | FILE NUMBER |
| Ckd: CB | SHEET 15 | OF 55 SHEETS |

NOTICE: THE OFFICIAL RECORD OF THIS PLAN SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.

| | | | |
|----------------|----------------------|-----------------|-----------|
| UHWCA | FINANCIAL PROJECT ID | STATE PROJ. NO. | SHEET NO. |
| 255853-1-56-01 | | | U - 15 |

1" = 40'



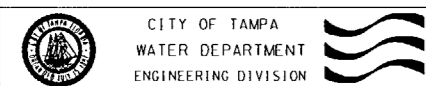
WORK COMPLETED BY OTHERS
 REMOVE EX. HYDRANT
 CLOSE VALVE
 F&I: 6" PLUG
 REMOVE VALVE BOX, REMOVE LEAD

REMOVE 15" OF 10" WM
 STA. 139+33, 6'LT
 F&I: 10" SOLID SLEEVE
 F&I: 10" 45' BEND (ROLLED)
 15" OF 10" DIP WM
 CHLORINE INJECTION POINT

| LEGEND | |
|----------|---|
| [Symbol] | PROPOSED REMOVAL OF EXISTING CONCRETE |
| [Symbol] | PROPOSED TEXTURED PAVEMENT LOCATION BASED ON STRIPING |
| [Symbol] | MILLING AND RESURFACING LIMITS |
| [Symbol] | SIDESTREET MILLING AND RESURFACING |

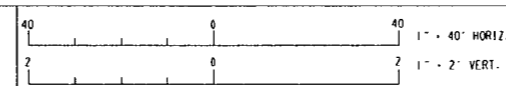
Handwritten signature and date: 11/6/08

CHRIS BAROUIN, P.E.
 CITY OF TAMPA WATER DEPT.
 306 E. JACKSON ST., SE
 TAMPA, FLA. 33602
 P.E. #31902



MAIN RELOCATION

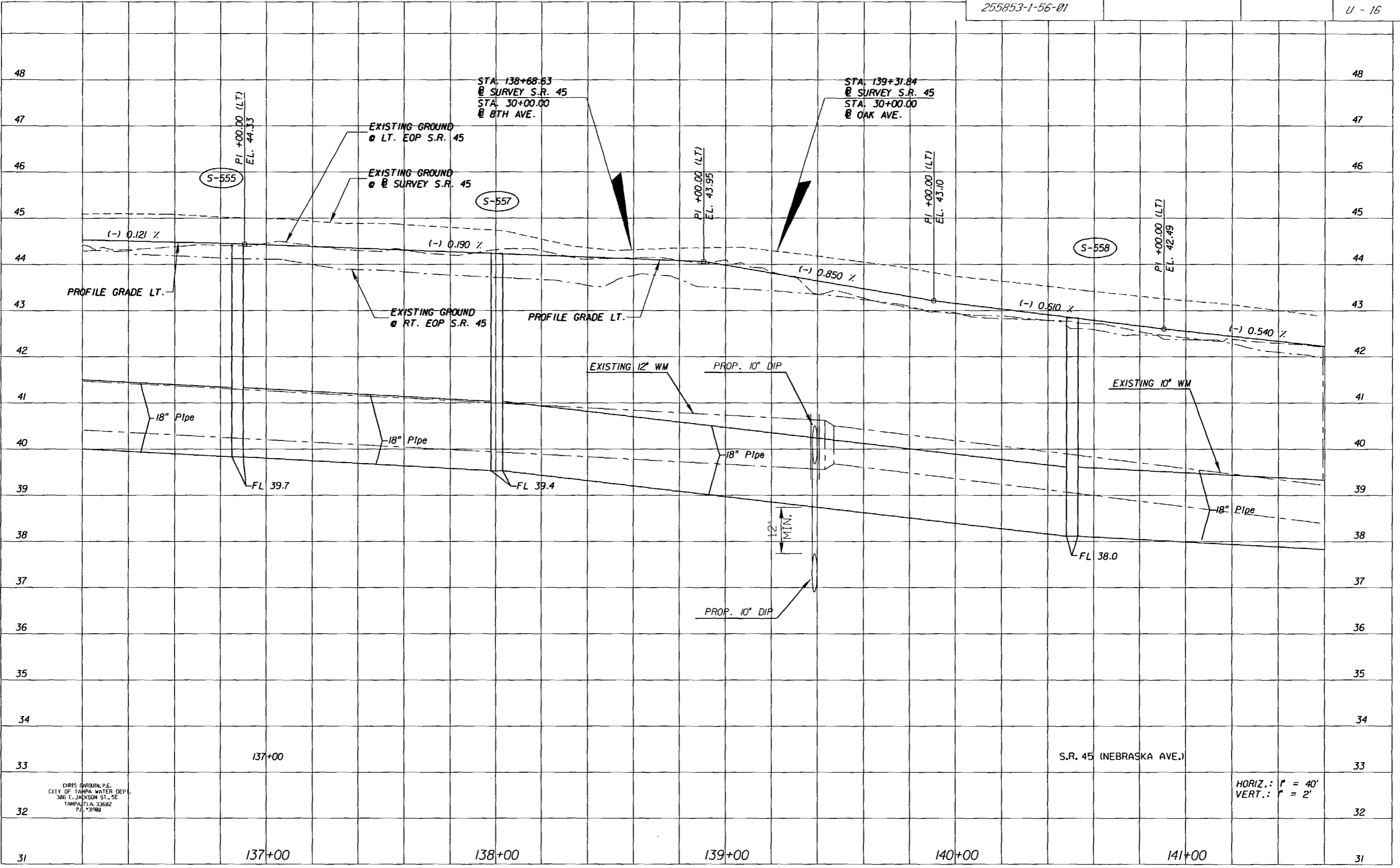
S.R. 45 FROM KENNEDY BLVD. TO HILLSBOROUGH AVE.
 STA. 136+80 TO STA. 141+80



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|-------------|---------------|--|----------|----|
| Altos Pages | No. Date | | REVISION | By |
| H-12 | Approved Date | | | |

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| Des: CB | W.O. 4540 | File: NEBRASKA AVE. - SOUTH |
| Dwn: FJ | FILE NUMBER | |
| Ckd: CB | SHEET 15 | OF 55 SHEETS |

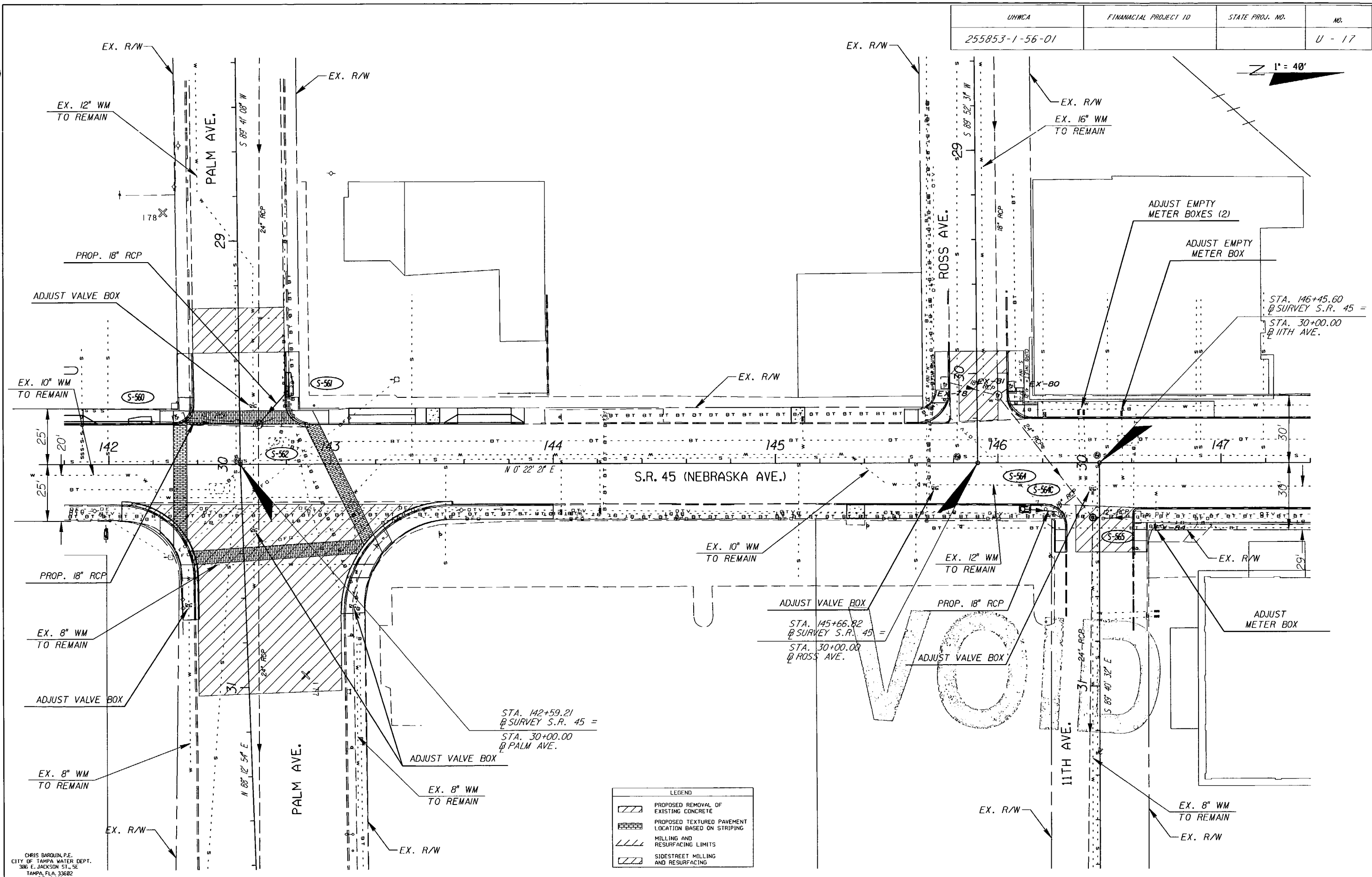
NOTICE: THE OFFICIAL RECORD OF THIS PLAN SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-231.003, F.A.C.



CHRIS BARON, P.E.
CITY OF TAMPA WATER DEPT.
386 E. JACKSON ST., 5E
TAMPA, FLA. 33602
P.L. 131980

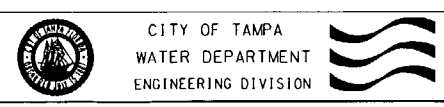
HORIZ.: 1" = 40'
VERT.: 1" = 2'

NOTICE: THE OFFICIAL RECORD OF THIS PLAN SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.



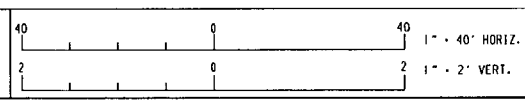
| LEGEND | |
|--------|---|
| | PROPOSED REMOVAL OF EXISTING CONCRETE |
| | PROPOSED TEXTURED PAVEMENT LOCATION BASED ON STRIPING |
| | MILLING AND RESURFACING LIMITS |
| | SIDESTREET MILLING AND RESURFACING |

CHRIS BARQUIN, P.E.
CITY OF TAMPA WATER DEPT.
306 E. JACKSON ST., 5E
TAMPA, FLA. 33602
P.E. #31909



MAIN RELOCATION

S.R. 45 FROM KENNEDY BLVD. TO HILLSBOROUGH AVE.
STA. 141+80 TO STA. 147+40

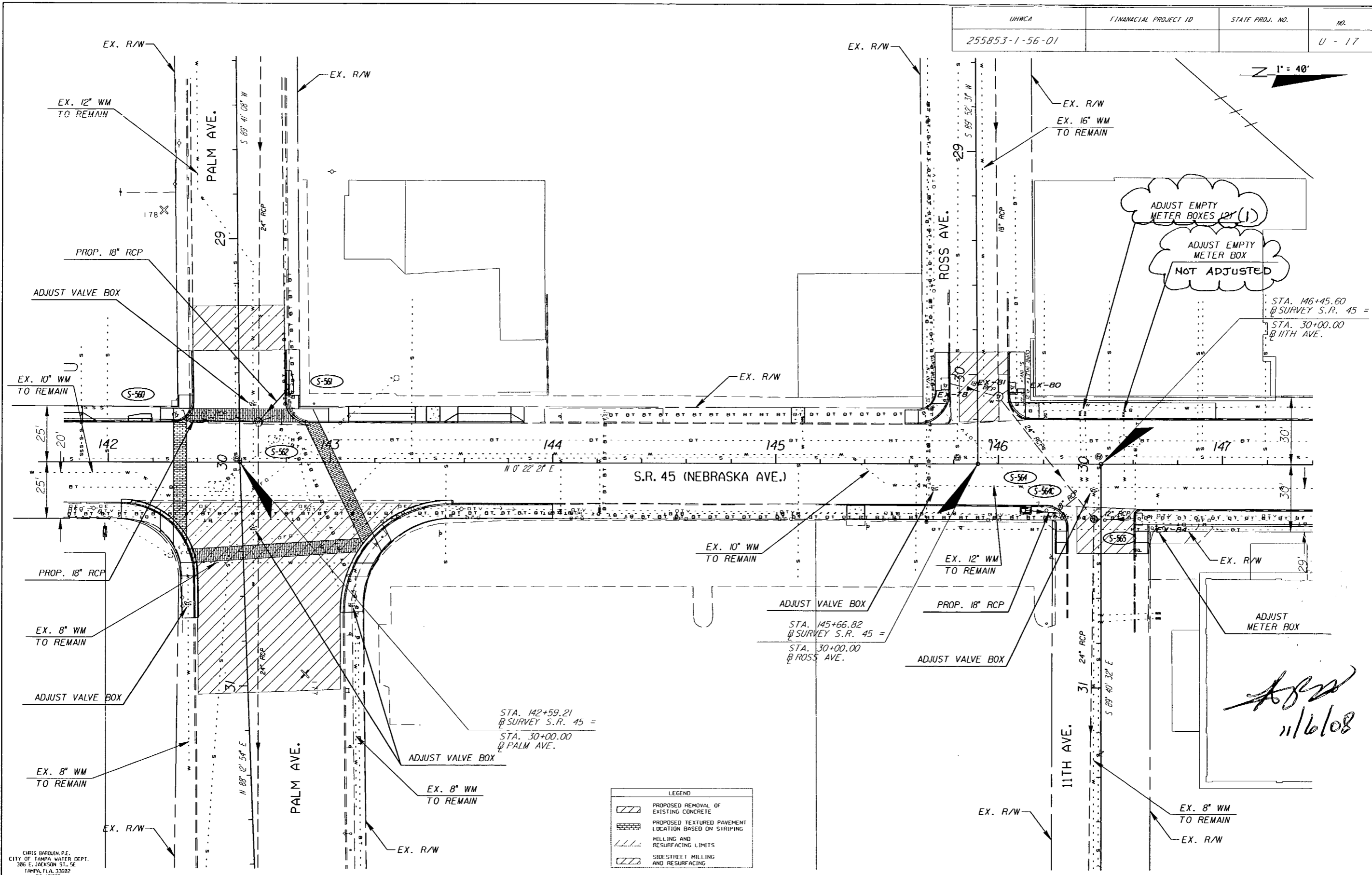


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| Atlas Pages | H-12 |
| No. Date | |
| Approved | |
| Date | |

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| Des: | CB | W.O. 4540 | File: NEBRASKA AVE. - SOUTH |
| Dwn: | FJ | | FILE NUMBER |
| Ckd: | CB | SHEET 17 | OF 55 SHEETS |

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|----------------|----------------------|-----------------|--------|
| UHWCA | FINANCIAL PROJECT ID | STATE PROJ. NO. | NO. |
| 255853-1-56-01 | | | U - 17 |



ADJUST EMPTY METER BOXES 12" (1)

ADJUST EMPTY METER BOX NOT ADJUSTED

STA. 146+45.60 @ SURVEY S.R. 45 =
STA. 30+00.00 @ 11TH AVE.

ADJUST VALVE BOX
STA. 145+66.82 @ SURVEY S.R. 45 =
STA. 30+00.00 @ ROSS AVE.

STA. 142+59.21 @ SURVEY S.R. 45 =
STA. 30+00.00 @ PALM AVE.

AFJ
11/6/08

LEGEND

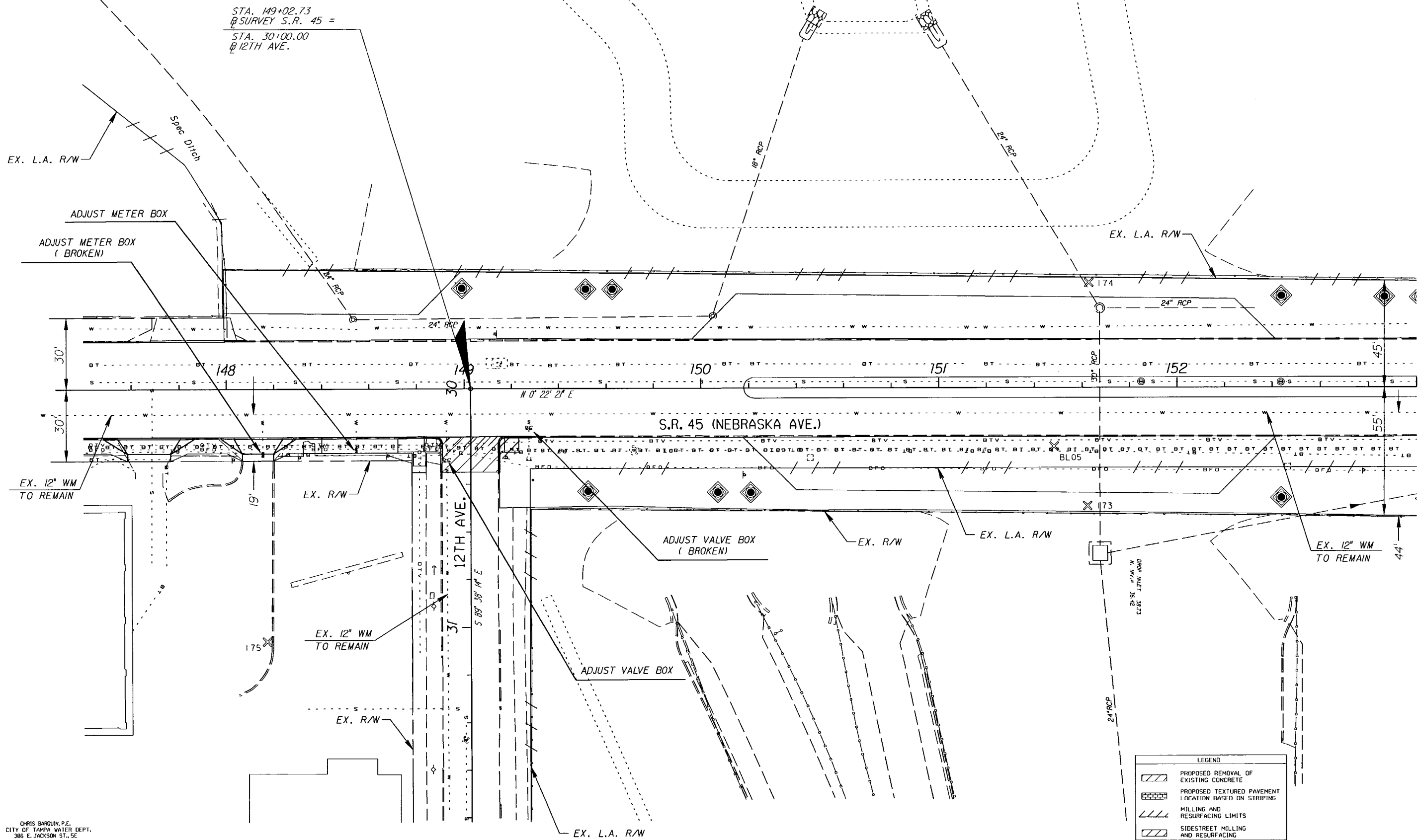
| | |
|--|---|
| | PROPOSED REMOVAL OF EXISTING CONCRETE |
| | PROPOSED TEXTURED PAVEMENT LOCATION BASED ON STRIPING |
| | MILLING AND RESURFACING LIMITS |
| | SIDESTREET MILLING AND RESURFACING |

CHRIS BAROJIN, P.E.
CITY OF TAMPA WATER DEPT.
306 E. JACKSON ST., 5E
TAMPA, FLA. 33602
P.E. #31900

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|----------------|----------------------|-----------------|--------|
| UHWCA | FINANCIAL PROJECT ID | STATE PROJ. NO. | NO. |
| 255853-1-56-01 | | | U - 18 |

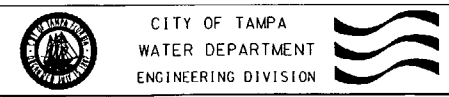
1" = 40'



STA. 149+02.73 @ SURVEY S.R. 45 =
STA. 30+00.00 @ 12TH AVE.

| LEGEND | |
|--------|---|
| | PROPOSED REMOVAL OF EXISTING CONCRETE |
| | PROPOSED TEXTURED PAVEMENT LOCATION BASED ON STRIPING |
| | MILLING AND RESURFACING LIMITS |
| | SIDESTREET MILLING AND RESURFACING |

CHRIS BARDUIN, P.E.
CITY OF TAMPA WATER DEPT.
386 E. JACKSON ST., SE
TAMPA, FLA. 33602
P.E. #31988



MAIN RELOCATION

S.R. 45 FROM KENNEDY BLVD. TO HILLSBOROUGH AVE.
STA. 147+40 TO STA. 153+00



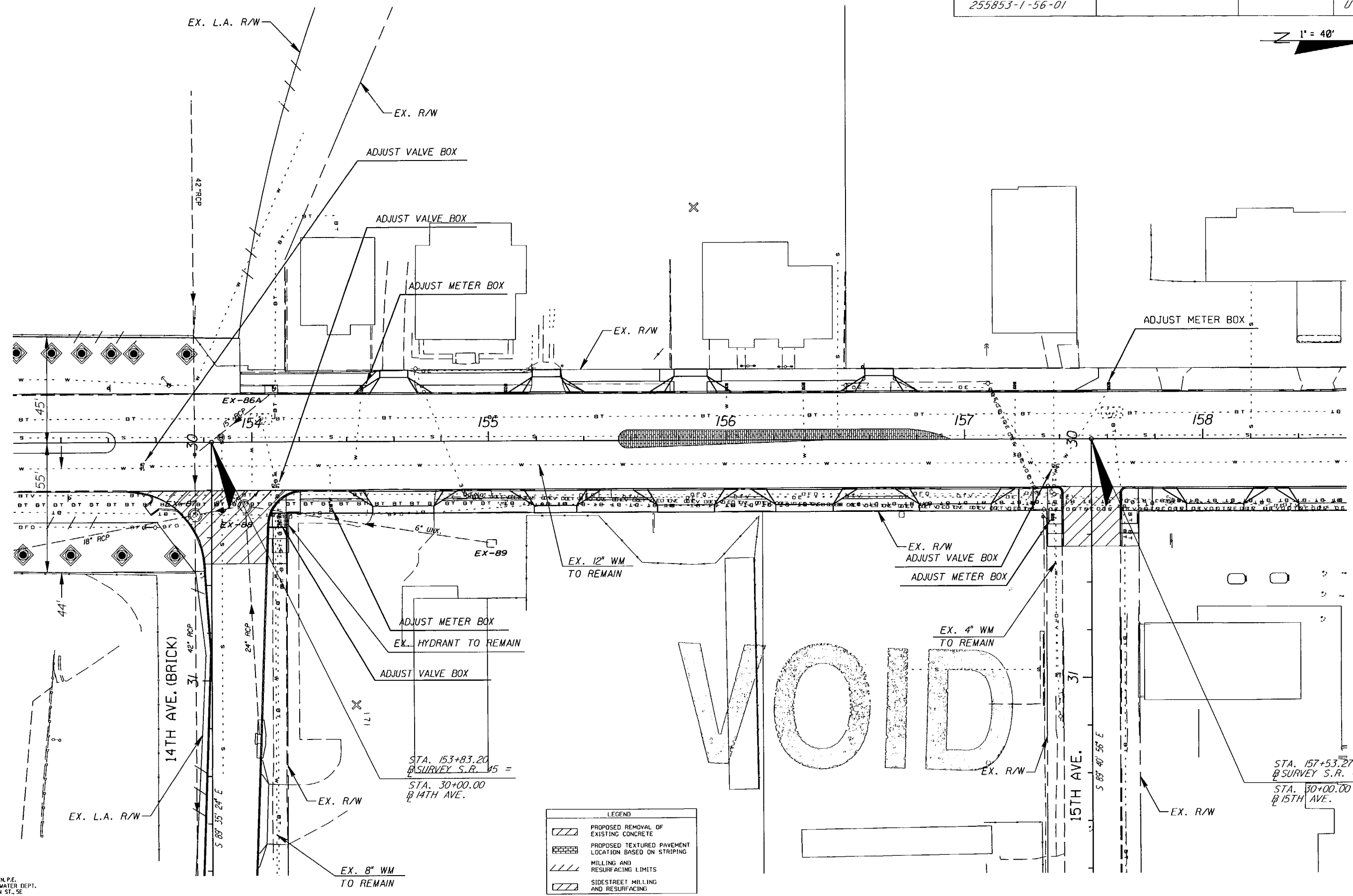
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| Atlas Pages | H-12 |
| No. Date | |
| Approved Date | |

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| Des: CB | W.O. 4540 | File: NEBRASKA AVE. - SOUTH |
| Dwn: FJ | | FILE NUMBER |
| Ckd: CB | SHEET 18 | OF 55 SHEETS |

NOTICE: THE OFFICIAL RECORD OF THIS PLAN SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.

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| UHWCA | FINANCIAL PROJECT ID | STATE PROJ. NO. | NO. |
| 255853-1-56-01 | | | U - 19 |

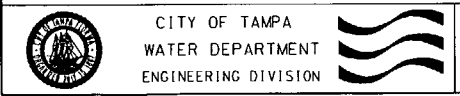
1" = 40'



LEGEND

| | |
|--|---|
| | PROPOSED REMOVAL OF EXISTING CONCRETE |
| | PROPOSED TEXTURED PAVEMENT LOCATION BASED ON STRIPING |
| | MILLING AND RESURFACING LIMITS |
| | SIDESTREET MILLING AND RESURFACING |

CHRIS BARQUIN, P.E.
CITY OF TAMPA WATER DEPT.
306 E. JACKSON ST., SE
TAMPA, FLA. 33602
P.E. #31980



MAIN RELOCATION

S.R. 45 FROM KENNEDY BLVD. TO HILLSBOROUGH AVE.
STA. 153+00 TO STA. 158+60

| | | | | |
|----|---|----|-----------------|-------------|
| 40 | 0 | 40 | 1" = 40' HORIZ. | Atlas Pages |
| 2 | 0 | 2 | 1" = 2' VERT. | H-12 |

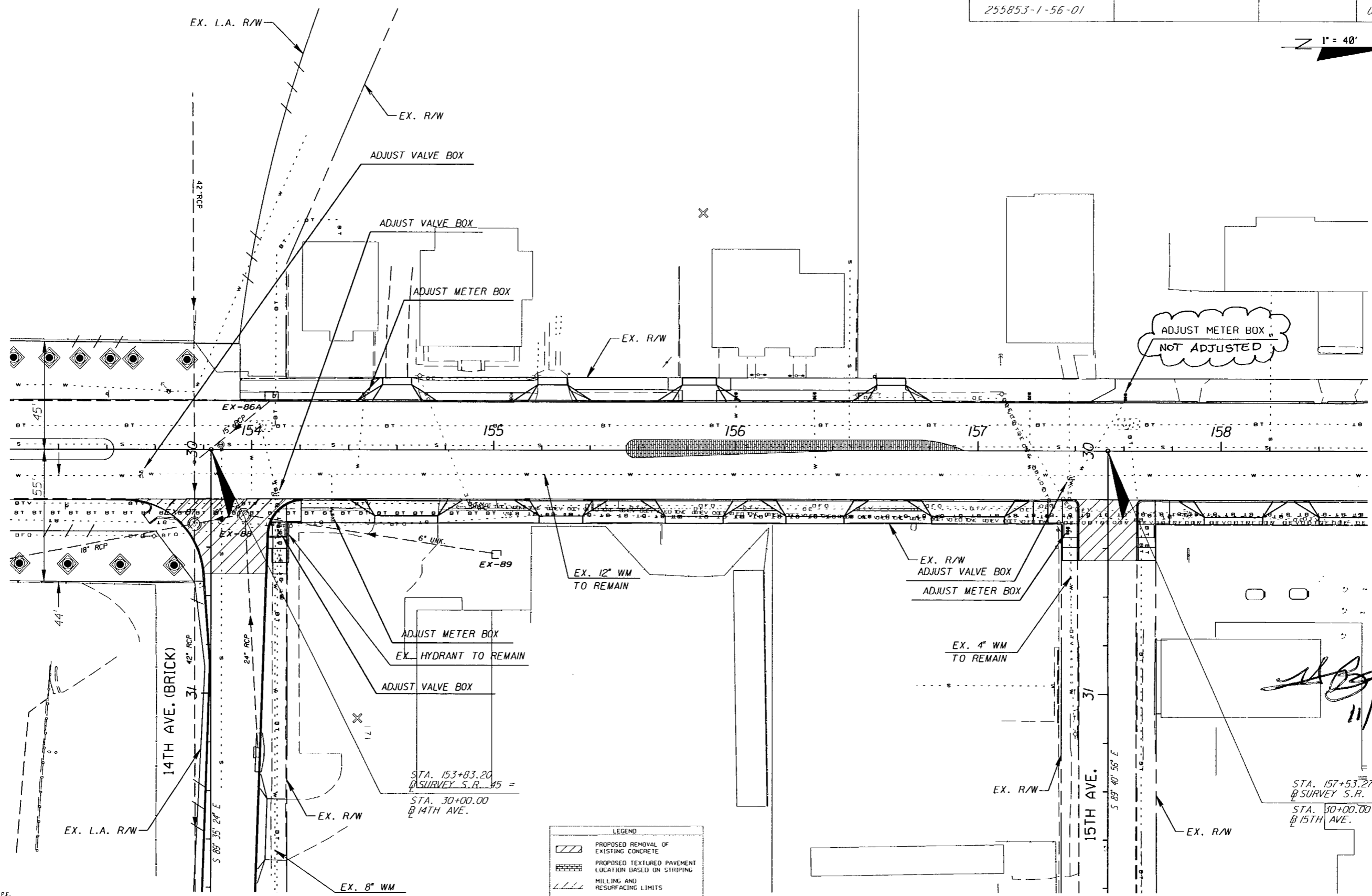
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| No. | Date | REVISION | By |
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| Des: CB | W.O. 4540 | File: NEBRASKA AVE. - SOUTH |
| Dwn: FJ | | FILE NUMBER |
| Ckd: CB | | |
| SHEET 19 | OF 55 | SHEETS |

NOTICE: THE OFFICIAL RECORD OF THIS PLAN SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.

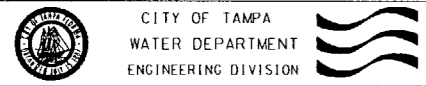
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| UHWCA | FINANCIAL PROJECT ID | STATE PROJ. NO. | NO. |
| 255853-1-56-01 | | | U - 19 |

1" = 40'



| LEGEND | |
|--------|---|
| | PROPOSED REMOVAL OF EXISTING CONCRETE |
| | PROPOSED TEXTURED PAVEMENT LOCATION BASED ON STRIPING |
| | MILLING AND RESURFACING LIMITS |
| | SIDESTREET MILLING AND RESURFACING |

CHRIS BARDUIN, P.E.
CITY OF TAMPA WATER DEPT.
306 E. JACKSON ST., SE
TAMPA, FLA. 33602
P.E. #31900



MAIN RELOCATION

S.R. 45 FROM KENNEDY BLVD. TO HILLSBOROUGH AVE.
STA. 153+00 TO STA. 158+60

| | | | |
|----|---|----|-----------------|
| 40 | 0 | 40 | 1" = 40' HORIZ. |
| 2 | 0 | 2 | 1" = 2' VERT. |

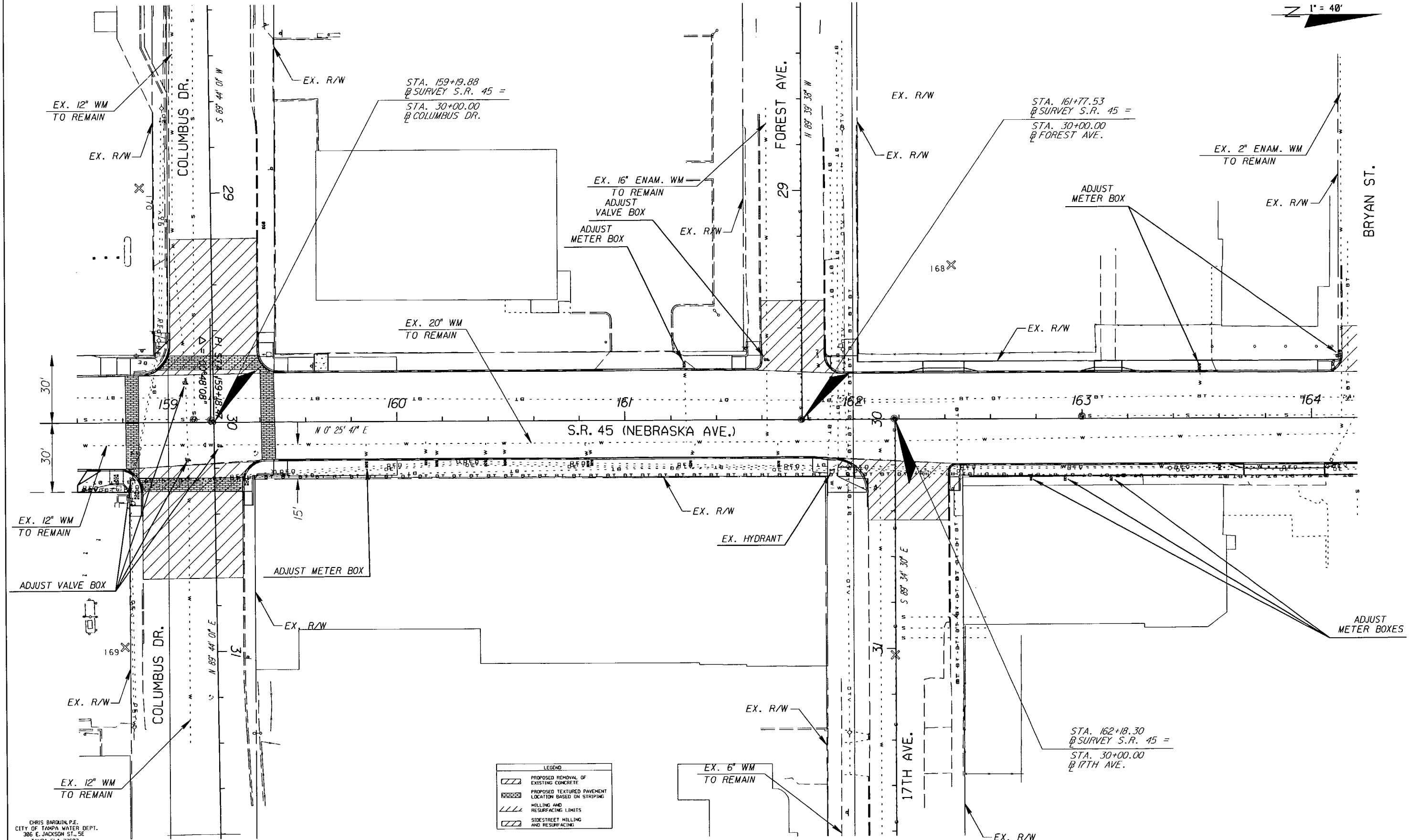
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| Atlas Pages | H-12 |
| No. | Date |
| REVISION | By |
| Approved | Date |

| | | |
|---------|-------------|-----------------------------|
| Des: CB | W.O. 4540 | File: NEBRASKA AVE. - SOUTH |
| Dwn: FJ | FILE NUMBER | |
| Clk: CB | SHEET 19 | OF 55 SHEETS |

NOTICE: THE OFFICIAL RECORD OF THIS PLAN SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.

[Handwritten Signature]
11/6/08

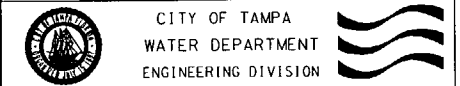
N 1" = 40'



LEGEND

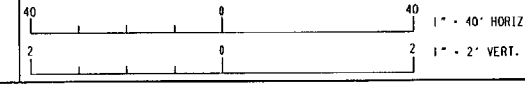
| | |
|--|---|
| | PROPOSED REMOVAL OF EXISTING CONCRETE |
| | PROPOSED TEXTURED PAVEMENT LOCATION BASED ON STRIPING |
| | MILLING AND RESURFACING LIMITS |
| | SIDESTREET MILLING AND RESURFACING |

CHRIS BAROJIN, P.E.
CITY OF TAMPA WATER DEPT.
306 E. JACKSON ST., 5E
TAMPA, FLA. 33602
P.E. #31908



MAIN RELOCATION

S.R. 45 FROM KENNEDY BLVD. TO HILLSBOROUGH AVE.
STA. 158+60 TO STA. 164+20

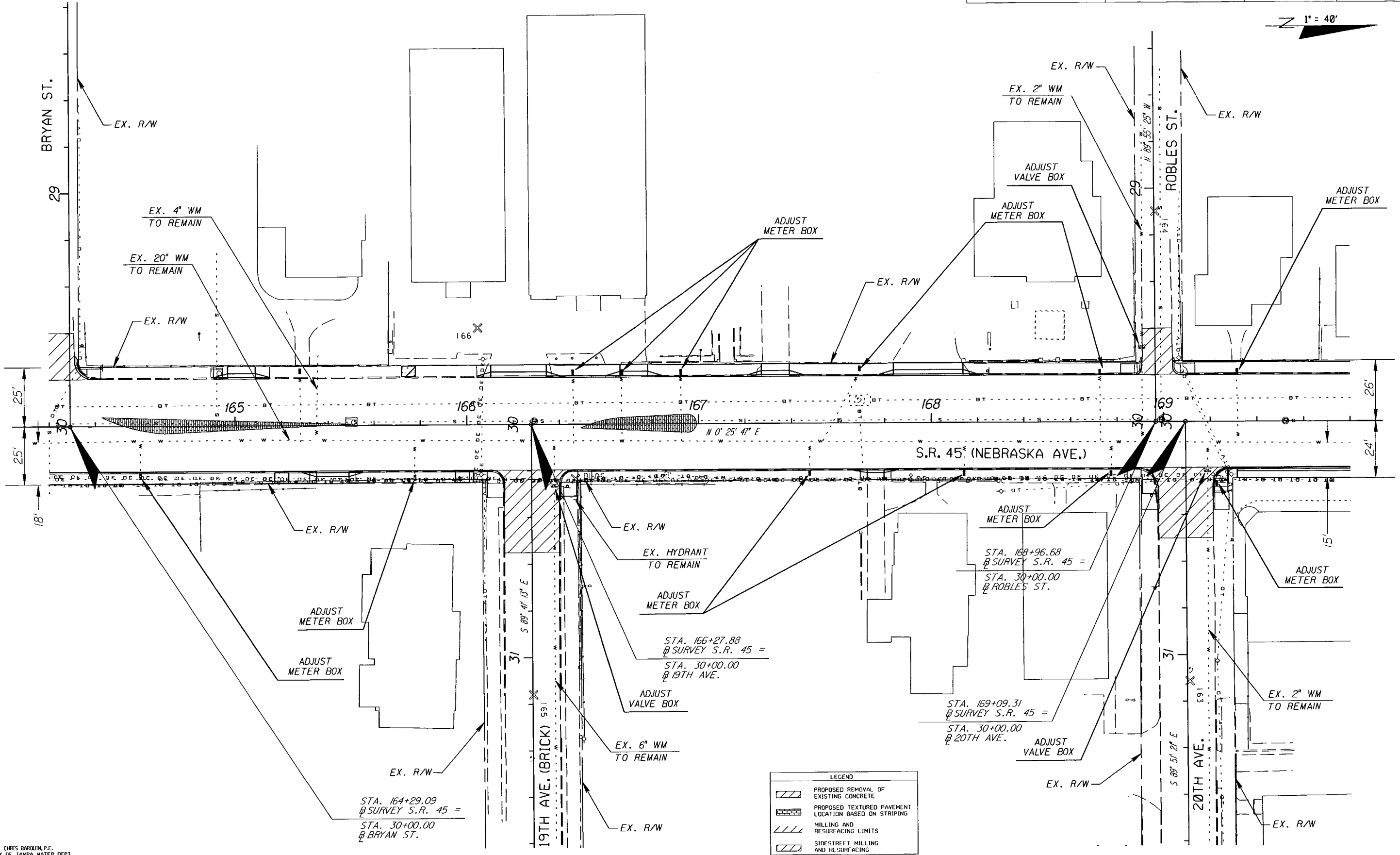


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| Atlas Pages | G-12 | H-12 |
| No. Date | | |
| Approved | | |
| Date | | |

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| Des: | CB | W.O. 4540 | File: NEBRASKA AVE. SOUTH |
| Drawn: | FJ | | FILE NUMBER |
| Checked: | CB | | |
| SHEET | 20 | OF | 55 SHEETS |

NOTICE: THE OFFICIAL RECORD OF THIS PLAN SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.

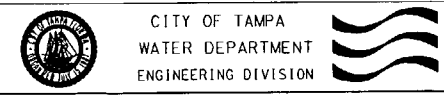
N 1" = 40'



LEGEND

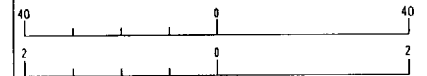
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| | PROPOSED REMOVAL OF EXISTING CONCRETE |
| | PROPOSED TEXTURED PAVEMENT LOCATION BASED ON STRIPING |
| | MILLING AND RESURFACING LIMITS |
| | SIDE STREET MILLING AND RESURFACING |

CHRIS BARQUIN, P.E.
CITY OF TAMPA WATER DEPT.
305 E. JACKSON ST., SE
TAMPA, FLA. 33602
P.E. #31988



MAIN RELOCATION

S.R. 45 FROM KENNEDY BLVD. TO HILLSBOROUGH AVE.
STA. 164+20 TO STA. 169+80

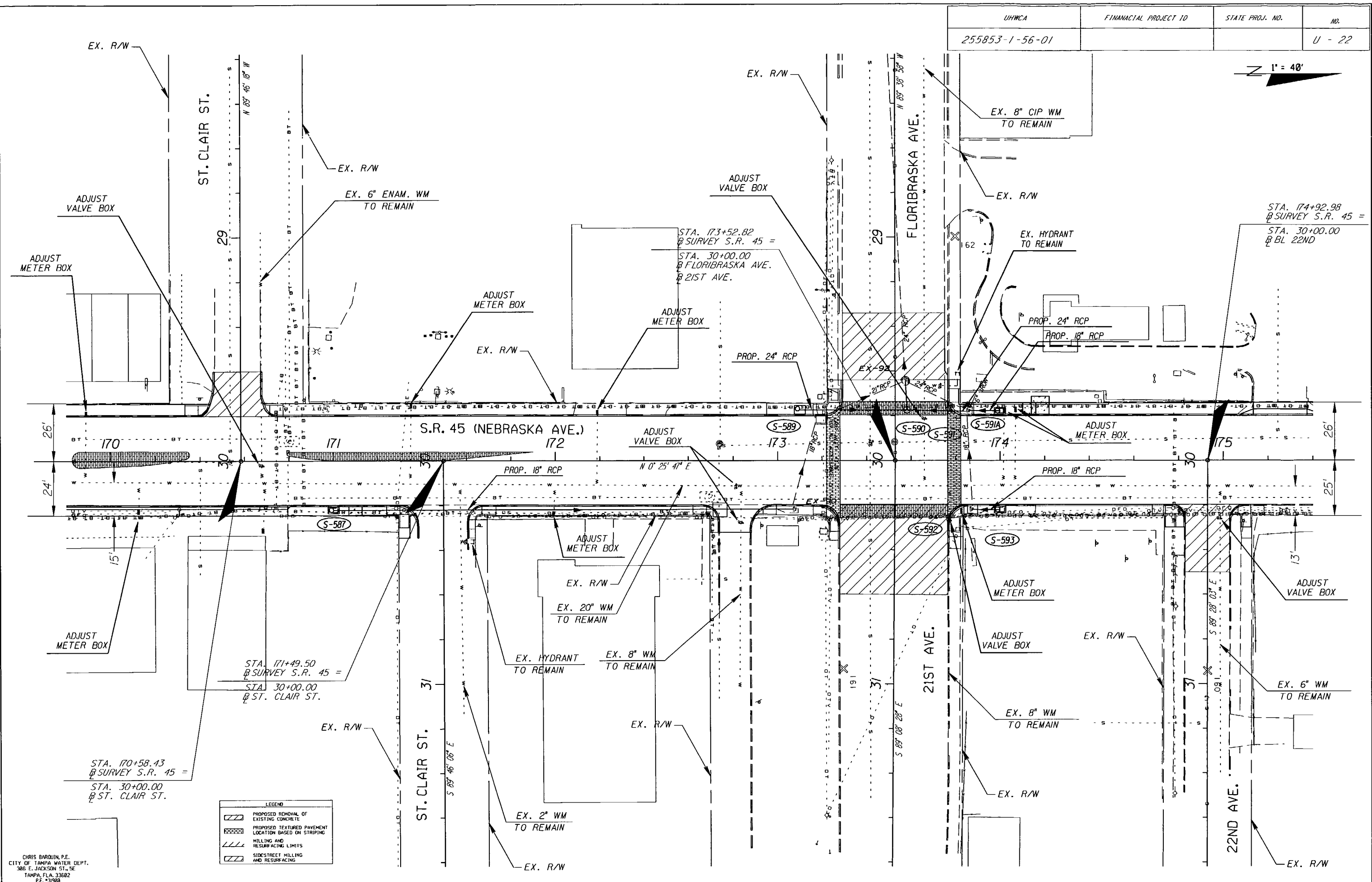
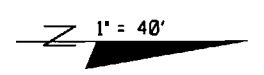


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| Atlas Pages | G-12 | H-12 |
| No. Date | | |
| Approved | | |
| Date | | |

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|----------|-----------|-----------------------------|
| Des: CB | W.O. 4540 | File: NEBRASKA AVE. - SOUTH |
| Dwn: FJ | | FILE NUMBER |
| Clk: CB | | |
| SHEET 21 | OF 55 | SHEETS |

NOTICE: THE OFFICIAL RECORD OF THIS PLAN SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.

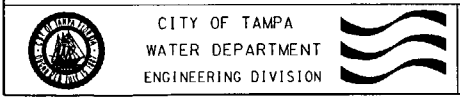
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| UHWCA | FINANCIAL PROJECT ID | STATE PROJ. NO. | NO. |
| 255853-1-56-01 | | | U - 22 |



CHRIS BARQUIN, P.E.
CITY OF TAMPA WATER DEPT.
306 E. JACKSON ST., 5E
TAMPA, FLA. 33602
P.E. #31988

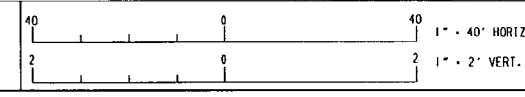
LEGEND

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| | PROPOSED REMOVAL OF EXISTING CONCRETE |
| | PROPOSED TEXTURED PAVEMENT LOCATION BASED ON STRIPING |
| | MILLING AND RESURFACING LIMITS |
| | SIDE STREET MILLING AND RESURFACING |



MAIN RELOCATION

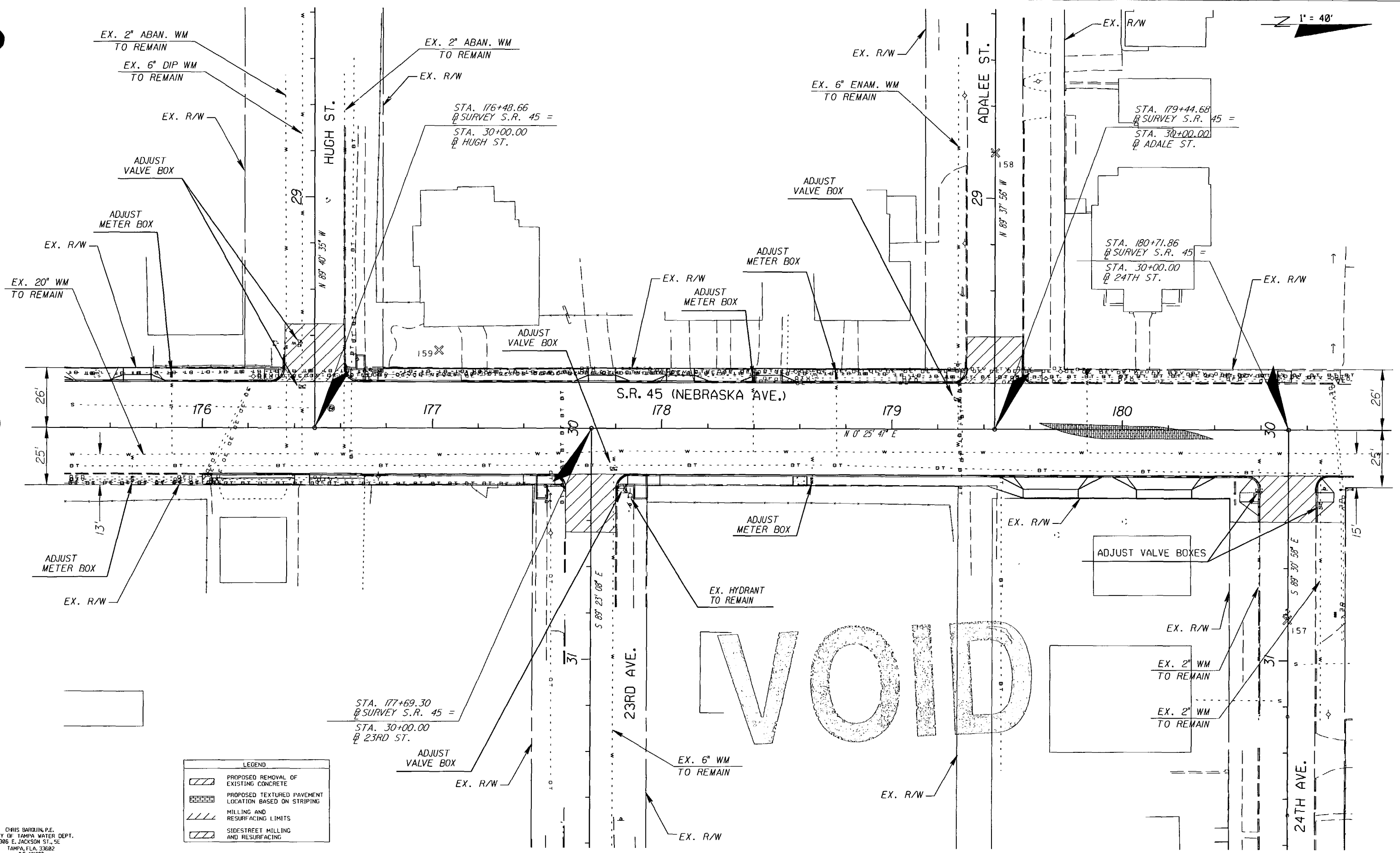
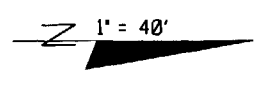
S.R. 45 FROM KENNEDY BLVD. TO HILLSBOROUGH AVE.
STA. 169+80 TO STA. 175+40



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| Altos Pages | No. | Date | REVISION | By |
| 0-12 | | | | |
| H-12 | Approved | Date | | |

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| Des: | CB | W.O. 4540 | FILE: NEBRASKA AVE. - SOUTH |
| Dwn: | FJ | | FILE NUMBER |
| Ckd: | CB | | |
| SHEET 22 | | OF 55 | SHEETS |

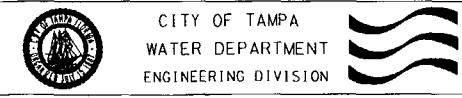
NOTICE: THE OFFICIAL RECORD OF THIS PLAN SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.



| LEGEND | |
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| | PROPOSED REMOVAL OF EXISTING CONCRETE |
| | PROPOSED TEXTURED PAVEMENT LOCATION BASED ON STRIPING |
| | MILLING AND RESURFACING LIMITS |
| | SIDE STREET MILLING AND RESURFACING |

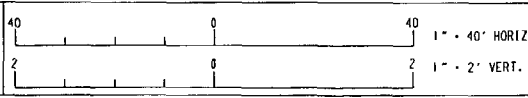
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CHRIS BARQUIN, P.E.
CITY OF TAMPA WATER DEPT.
305 E. JACKSON ST., SE
TAMPA, FLA. 33602
P.E. #31988



MAIN RELOCATION

S.R. 45 FROM KENNEDY BLVD. TO HILLSBOROUGH AVE.
STA. 175+40 TO STA. 181+00

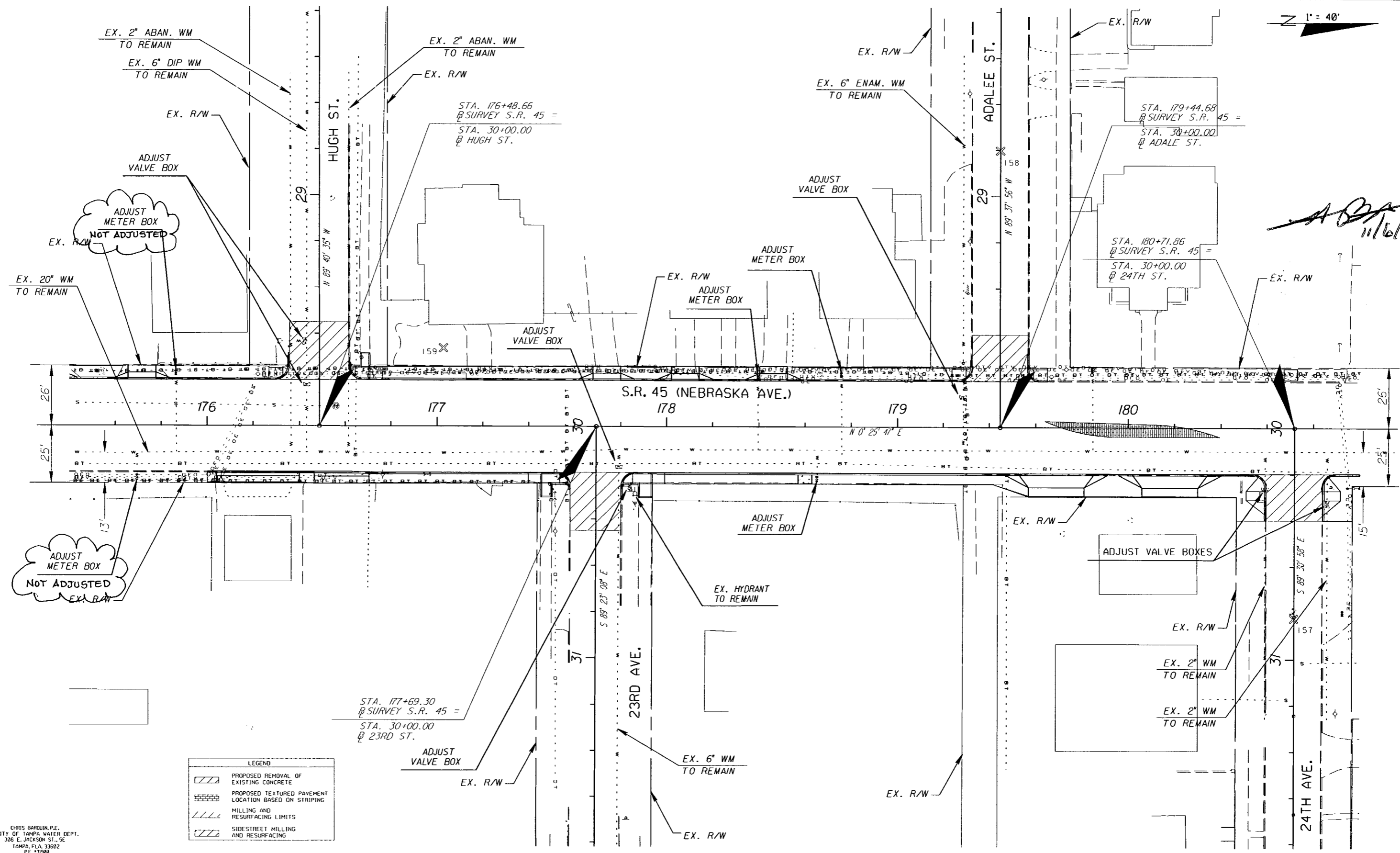


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| Atlas Pages | No. | Date | REVISION | By |
| G-12 | | | | |
| H-12 | | | | |
| Approved | | | | |
| Date | | | | |

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| Des: | CB | W.O. 4540 | FILE NEBRASKA AVE. - SOUTH |
| Dwn: | FJ | | FILE NUMBER |
| Ckd: | CB | SHEET 23 | OF 55 SHEETS |

NOTICE: THE OFFICIAL RECORD OF THIS PLAN SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.

N 1' = 40'

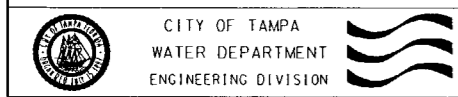


Handwritten signature and date: 11/6/08

LEGEND

| | |
|--|---|
| | PROPOSED REMOVAL OF EXISTING CONCRETE |
| | PROPOSED TEXTURED PAVEMENT LOCATION BASED ON STRIPING |
| | MILLING AND RESURFACING LIMITS |
| | SIDESTREET MILLING AND RESURFACING |

CHRIS BAROUN, P.E.
CITY OF TAMPA WATER DEPT.
306 E. JACKSON ST., SE
TAMPA, FLA. 33602
P.E. #31988



MAIN RELOCATION

S.R. 45 FROM KENNEDY BLVD. TO HILLSBOROUGH AVE.
STA. 175+40 TO STA. 181+00

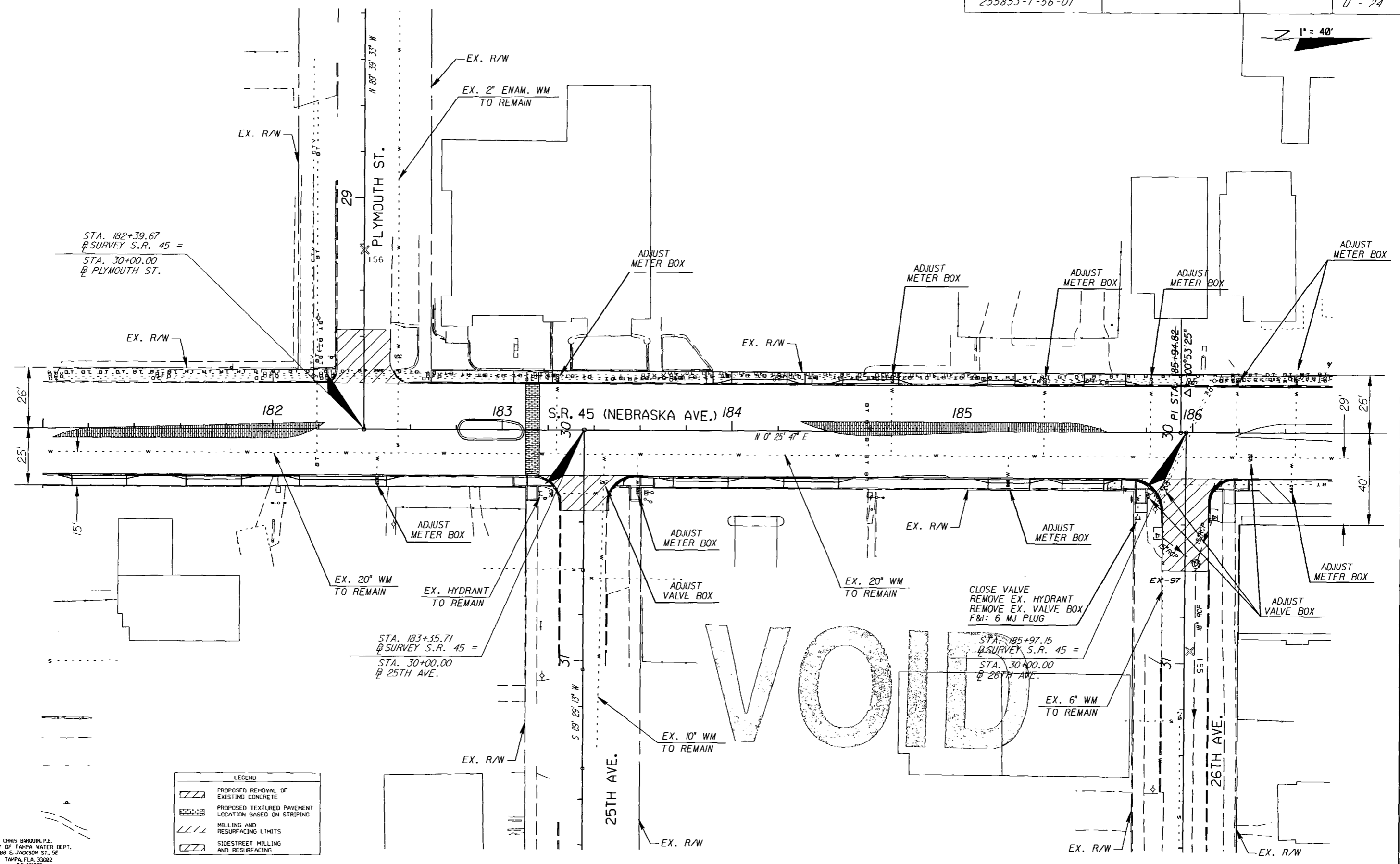
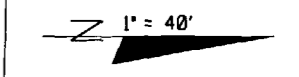
| | | | |
|----|---|----|-----------------|
| 40 | 0 | 40 | 1" = 40' HORIZ. |
| 2 | 0 | 2 | 1" = 2' VERT. |

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| Atlas Pages | No. | Date | REVISION | By |
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| Approved | Date | | | |

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| Desg: | CB | W.O. 4540 | File: NEBRASKA AVE. SOUTH |
| Dwrc: | FJ | FILE NUMBER | |
| Ckcd: | CB | SHEET 23 | OF 55 SHEETS |

NOTICE: THE OFFICIAL RECORD OF THIS PLAN SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.

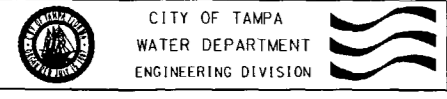
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| UHWCA | FINANCIAL PROJECT ID | STATE PROJ. NO. | NO. |
| 255853-1-56-01 | | | U - 24 |



| LEGEND | |
|--------|---|
| | PROPOSED REMOVAL OF EXISTING CONCRETE |
| | PROPOSED TEXTURED PAVEMENT LOCATION BASED ON STRIPING |
| | MILLING AND RESURFACING LIMITS |
| | SIDESTREET MILLING AND RESURFACING |

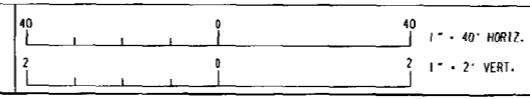
VOID

CHRIS BAROUIN, P.E.
CITY OF TAMPA WATER DEPT.
385 E. JACKSON ST., 5E
TAMPA, FLA. 33602
P.E. #1908



MAIN RELOCATION

S.R. 45 FROM KENNEDY BLVD. TO HILLSBOROUGH AVE.
STA. 181+00 TO STA. 186+60



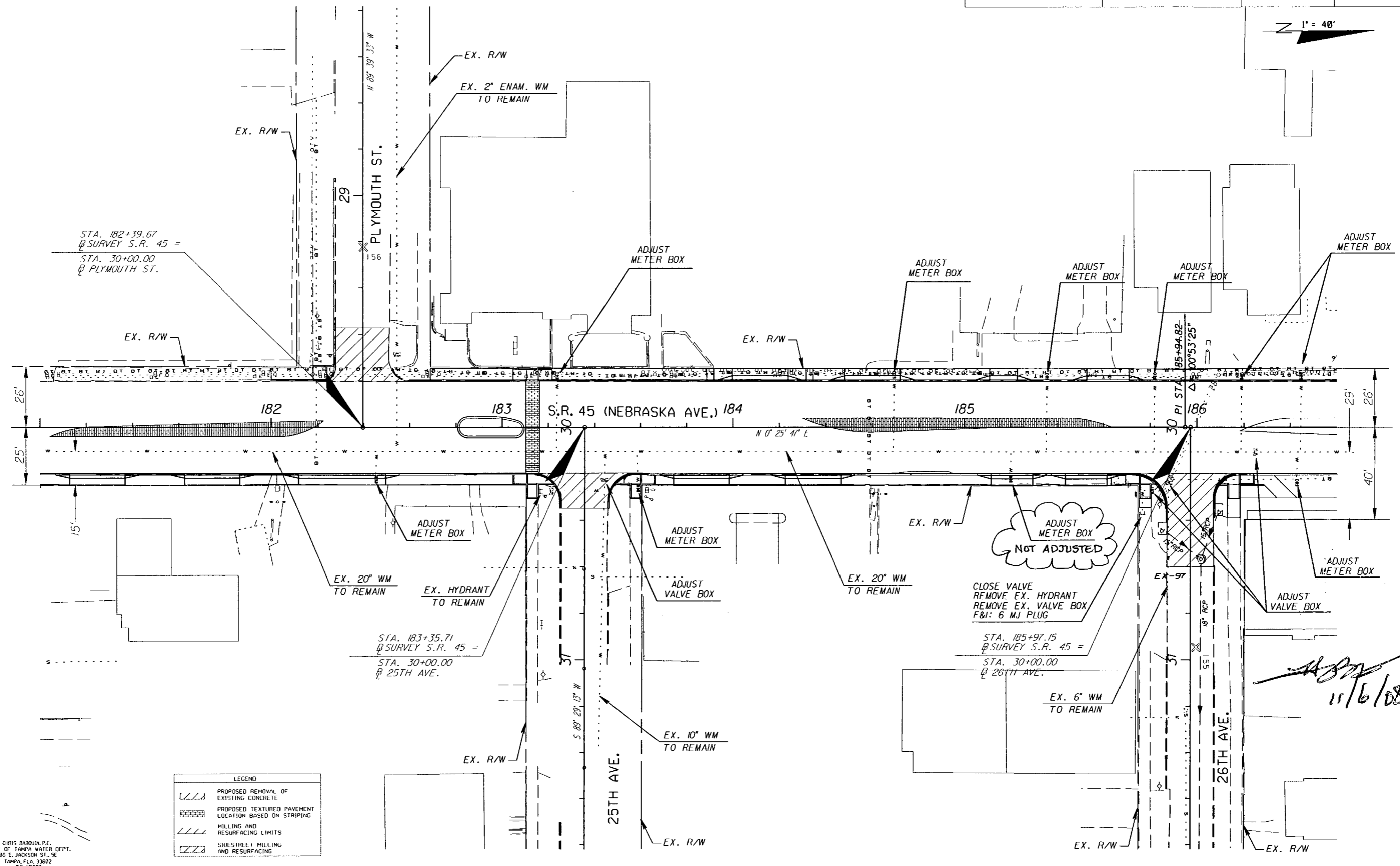
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| Atlas Pages | G-12 |
| No. | |
| Date | |
| REVISION | |
| By | |
| Approved | |
| Date | |

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| Des: | CB | W.O. 4540 | File: NEBRASKA AVE. - SOUTH |
| Dwn: | FJ | | FILE NUMBER |
| Ckd: | CB | | |
| | | SHEET 24 | OF 55 SHEETS |

NOTICE: THE OFFICIAL RECORD OF THIS PLAN SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.

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| UHWCA | FINANCIAL PROJECT ID | STATE PROJ. NO. | NO. |
| 255853-1-56-01 | | | U - 24 |

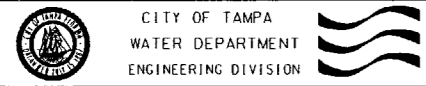
N
1" = 40'



LEGEND

| | |
|--|---|
| | PROPOSED REMOVAL OF EXISTING CONCRETE |
| | PROPOSED TEXTURED PAVEMENT LOCATION BASED ON STRIPING |
| | MILLING AND RESURFACING LIMITS |
| | SIDESTREET MILLING AND RESURFACING |

CHRIS BAROUN, P.E.
CITY OF TAMPA WATER DEPT.
306 E. JACKSON ST., SE
TAMPA, FL 33602
P.E. #31988



MAIN RELOCATION

S.R. 45 FROM KENNEDY BLVD. TO HILLSBOROUGH AVE.
STA. 181+00 TO STA. 186+60

| | | | |
|----|---|----|-----------------|
| 40 | 0 | 40 | 1" = 40' HORIZ. |
| 2 | 0 | 2 | 1" = 2' VERT. |

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| Atlas Pages | 6-12 |
| No. | Date |
| REVISION | By |
| Approved | Date |

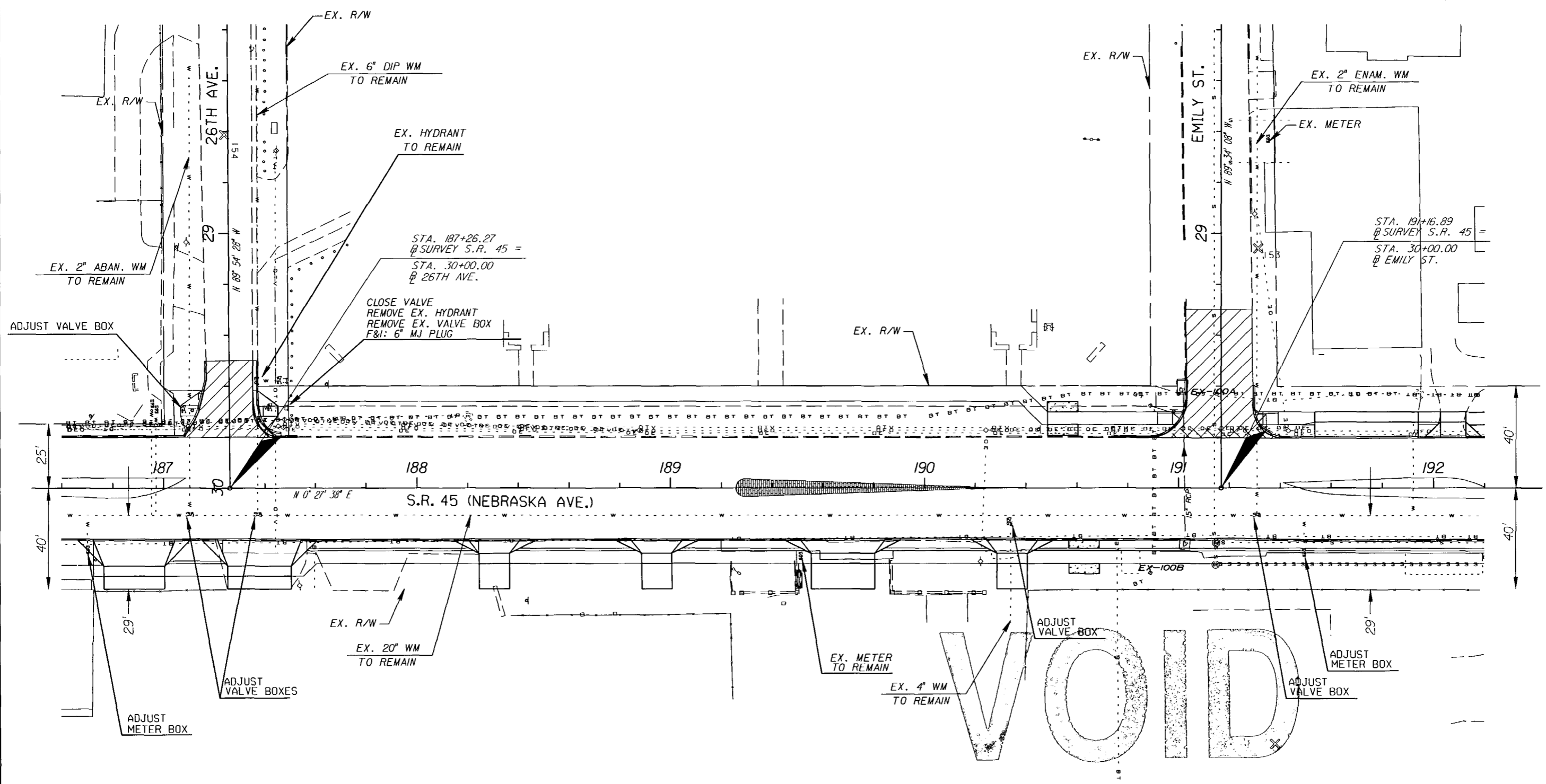
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| Des: CB | N.O. 4540 | File: NEBRASKA AVE. - SOUTH |
| Dwn: FJ | | FILE NUMBER |
| Ckd: CB | SHEET 24 | OF 55 SHEETS |

NOTICE: THE OFFICIAL RECORD OF THIS PLAN SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-231.003, F.A.C.

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11/6/08

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| UHWCA | FINANCIAL PROJECT ID | STATE PROJ. NO. | NO. |
| 255853-1-56-01 | | | U - 25 |

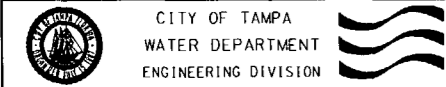
N 1" = 40'



VOID

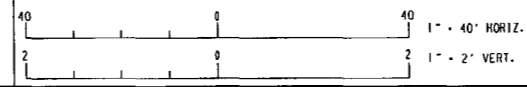
| LEGEND | |
|--------|---|
| | PROPOSED REMOVAL OF EXISTING CONCRETE |
| | PROPOSED TEXTURED PAVEMENT LOCATION BASED ON STRIPING |
| | MILLING AND RESURFACING LIMITS |
| | SIDESTREET MILLING AND RESURFACING |

CHRIS BARQUIN, P.E.
CITY OF TAMPA WATER DEPT.
306 E. JACKSON ST., SE
TAMPA, FLA. 33602
P.E. #31900



MAIN RELOCATION

S.R. 45 FROM KENNEDY BLVD. TO HILLSBOROUGH AVE.
STA. 186+60 TO STA. 192+20



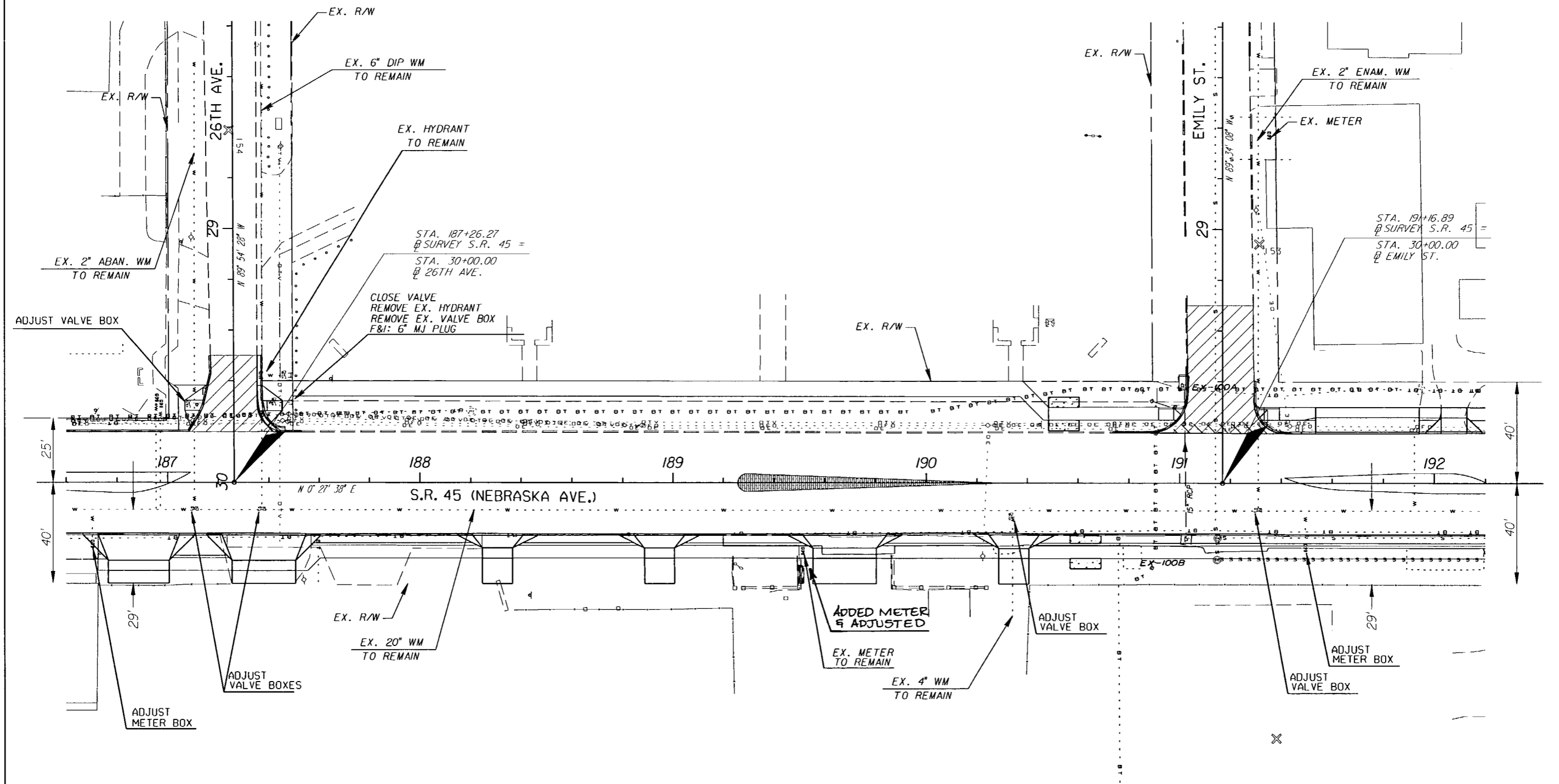
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| Atlas Pages | No. | Date | REVISION | By |
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| Approved | Date | | | |

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| Des: CB | W.O. 4540 | File: NEBRASKA AVE. - SOUTH |
| Dwn: FJ | | FILE NUMBER |
| Ckd: CB | SHEET 25 | OF 55 SHEETS |

NOTICE: THE OFFICIAL RECORD OF THIS PLAN SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.

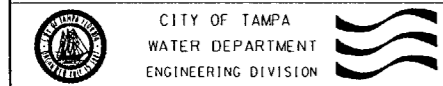
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| UHWCA | FINANCIAL PROJECT ID | STATE PROJ. NO. | NO. |
| 255853-1-56-01 | | | U - 25 |

N 1° = 40'



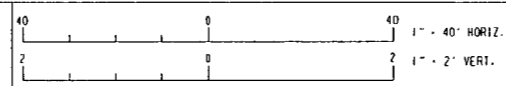
| LEGEND | |
|--------|---|
| | PROPOSED REMOVAL OF EXISTING CONCRETE |
| | PROPOSED TEXTURED PAVEMENT LOCATION BASED ON STRIPING |
| | MILLING AND RESURFACING LIMITS |
| | SIDE STREET MILLING AND RESURFACING |

CHRIS BARQUIN, P.E.
CITY OF TAMPA WATER DEPT.
306 E. JACKSON ST., 5E
TAMPA, FLA. 33602
P.E. #31980



MAIN RELOCATION

S.R.45 FROM KENNEDY BLVD. TO HILLSBOROUGH AVE.
STA. 186+60 TO STA. 192+20

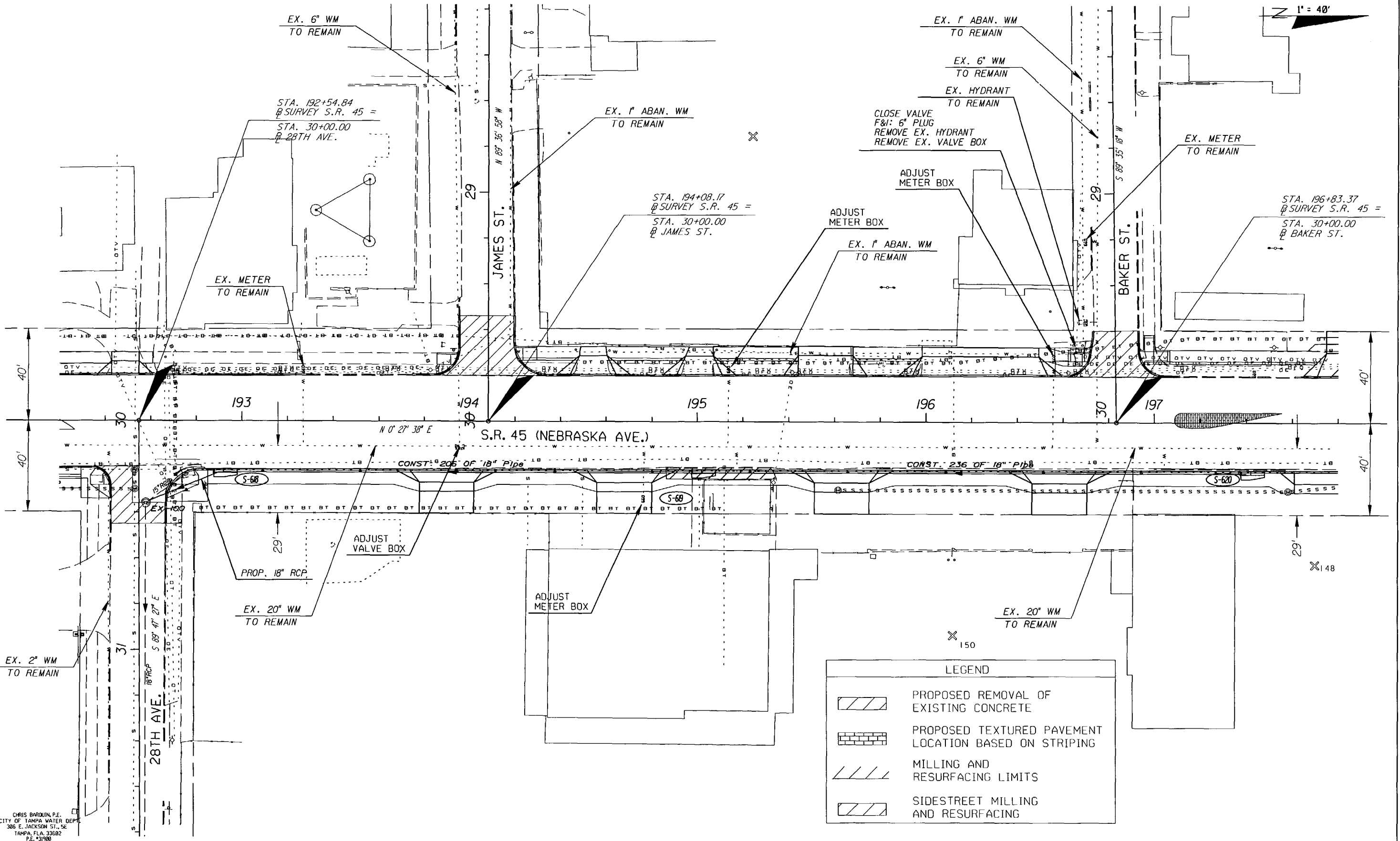


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| Atlas Pages | G-12 | |
| No. | Date | REVISION |
| By | | |
| Approved | | |
| Date | | |

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| Des: CB | W.O. 4540 | FILE: NEBRASKA AVE. - SOUTH |
| Dwn: FJ | | FILE NUMBER |
| Ckd: CB | SHEET 25 | OF 55 SHEETS |

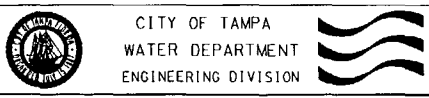
NOTICE: THE OFFICIAL RECORD OF THIS PLAN SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.

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| UHWCA | FINANCIAL PROJECT ID | STATE PROJ. NO. | NO. |
| 255853-1-56-01 | | | U - 26 |



CHRIS BARQUIN, P.E.
CITY OF TAMPA WATER DEPT.
306 E. JACKSON ST., 5E
TAMPA, FLA. 33602
P.E. #39980

| LEGEND | |
|--------|---|
| | PROPOSED REMOVAL OF EXISTING CONCRETE |
| | PROPOSED TEXTURED PAVEMENT LOCATION BASED ON STRIPING |
| | MILLING AND RESURFACING LIMITS |
| | SIDESTREET MILLING AND RESURFACING |



CITY OF TAMPA
WATER DEPARTMENT
ENGINEERING DIVISION

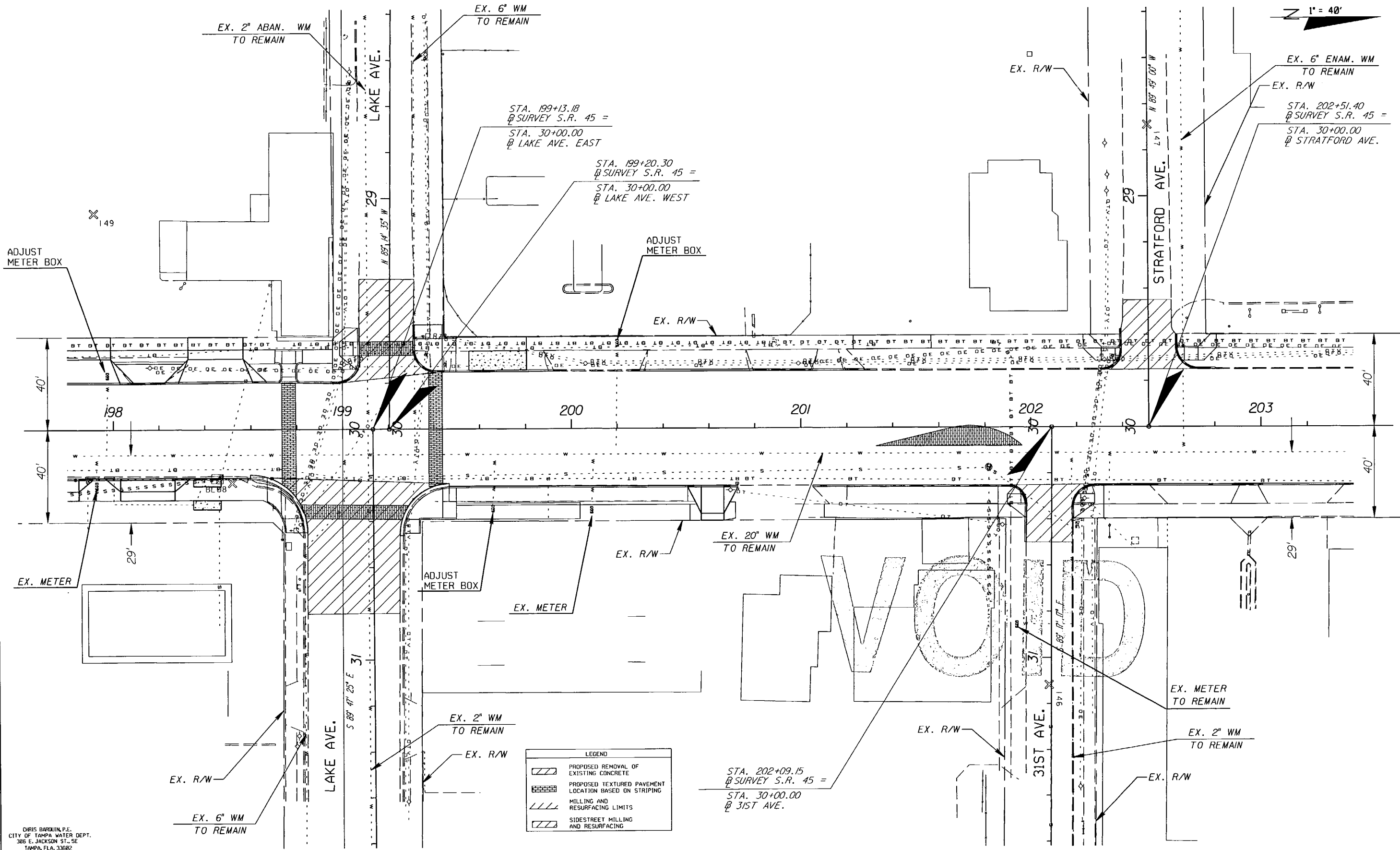
MAIN RELOCATION
S.R. 45 FROM KENNEDY BLVD. TO HILLSBOROUGH AVE.
STA. 192+20 TO STA. 197+80



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| Atlas Pages | No. | Date | REVISION | By |
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| Des: CB | W.O. 4540 | FILE: NEBRASKA AVE. - SOUTH |
| Dwn: FJ | | FILE NUMBER |
| Ckd: CB | | |
| SHEET 26 OF 55 SHEETS | | |

NOTICE: THE OFFICIAL RECORD OF THIS PLAN SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.

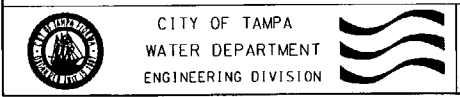


N
1" = 40'

LEGEND

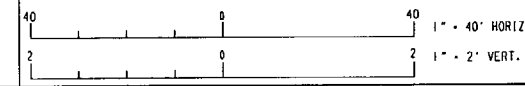
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|--|---|
| | PROPOSED REMOVAL OF EXISTING CONCRETE |
| | PROPOSED TEXTURED PAVEMENT LOCATION BASED ON STRIPING |
| | MILLING AND RESURFACING LIMITS |
| | SIDESTREET MILLING AND RESURFACING |

CHRIS BARDUIN, P.E.
CITY OF TAMPA WATER DEPT.
305 E. JACKSON ST., 5E
TAMPA, FLA. 33602
P.E. 53198B



MAIN RELOCATION

S.R. 45 FROM KENNEDY BLVD. TO HILLSBOROUGH AVE.
STA. 197+80 TO STA. 203+40

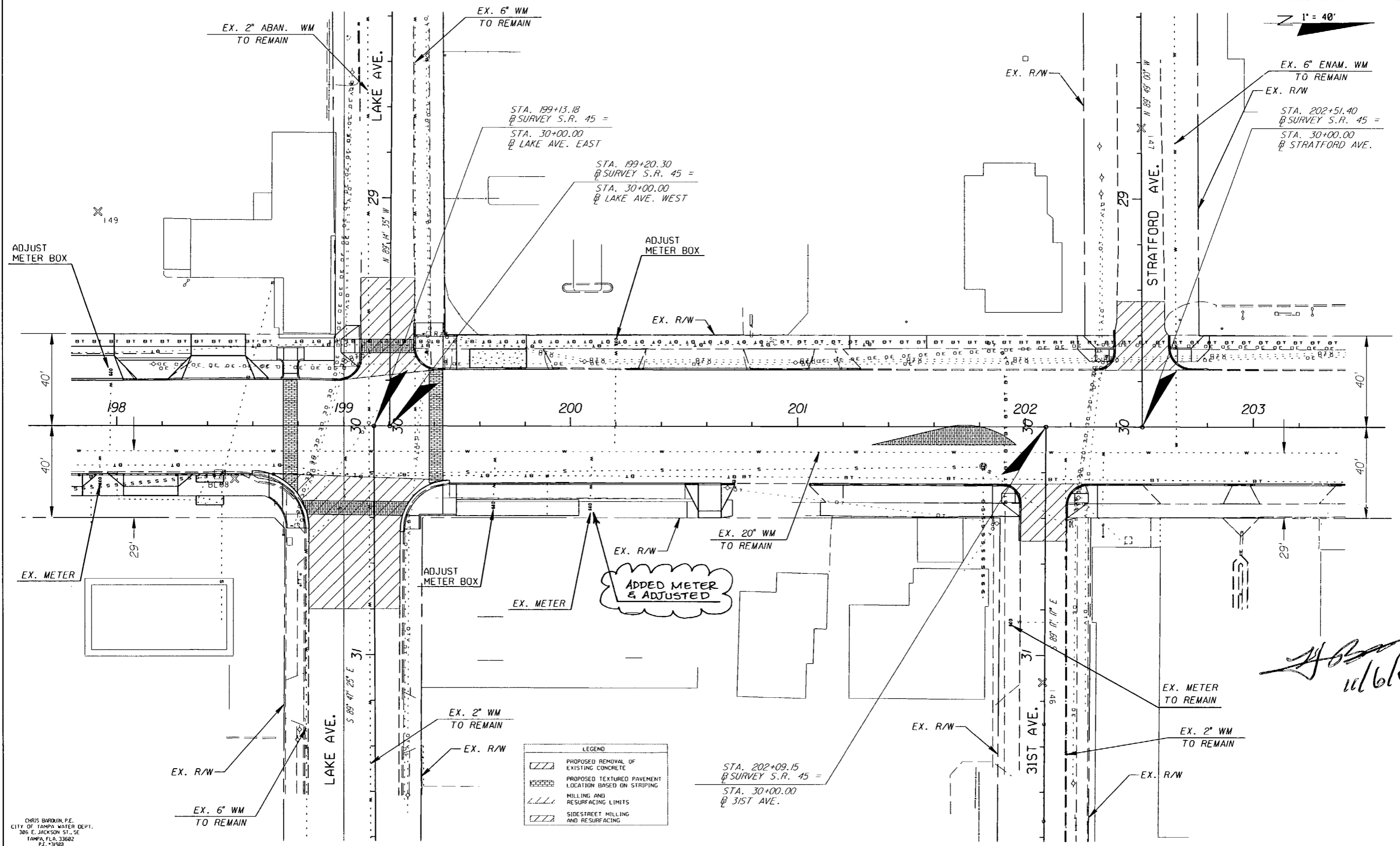


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| Atlas Pages | G-12 |
| No. Date Approved | |
| REVISION | |
| By | |

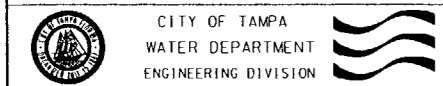
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| Des: | CB | W.O. 4540 | FILE: NEBRASKA AVE. - SOUTH |
| Dwn: | FJ | FILE NUMBER | |
| Ckd: | CB | SHEET 27 | OF 55 SHEETS |

NOTICE: THE OFFICIAL RECORD OF THIS PLAN SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.

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| UHWCA | FINANCIAL PROJECT ID | STATE PROJ. NO. | NO. |
| 255853-1-56-01 | | | U - 27 |



CHRIS BARQUIN, P.E.
CITY OF TAMPA WATER DEPT.
305 E. JACKSON ST., 5E
TAMPA, FLA. 33602
P.E. #31920



MAIN RELOCATION

S.R. 45 FROM KENNEDY BLVD. TO HILLSBOROUGH AVE.
STA. 197+80 TO STA. 203+40

LEGEND

| | |
|--|---|
| | PROPOSED REMOVAL OF EXISTING CONCRETE |
| | PROPOSED TEXTURED PAVEMENT LOCATION BASED ON STRIPING |
| | MILLING AND RESURFACING LIMITS |
| | SIDESTREET MILLING AND RESURFACING |



Atlas Pages 6-12

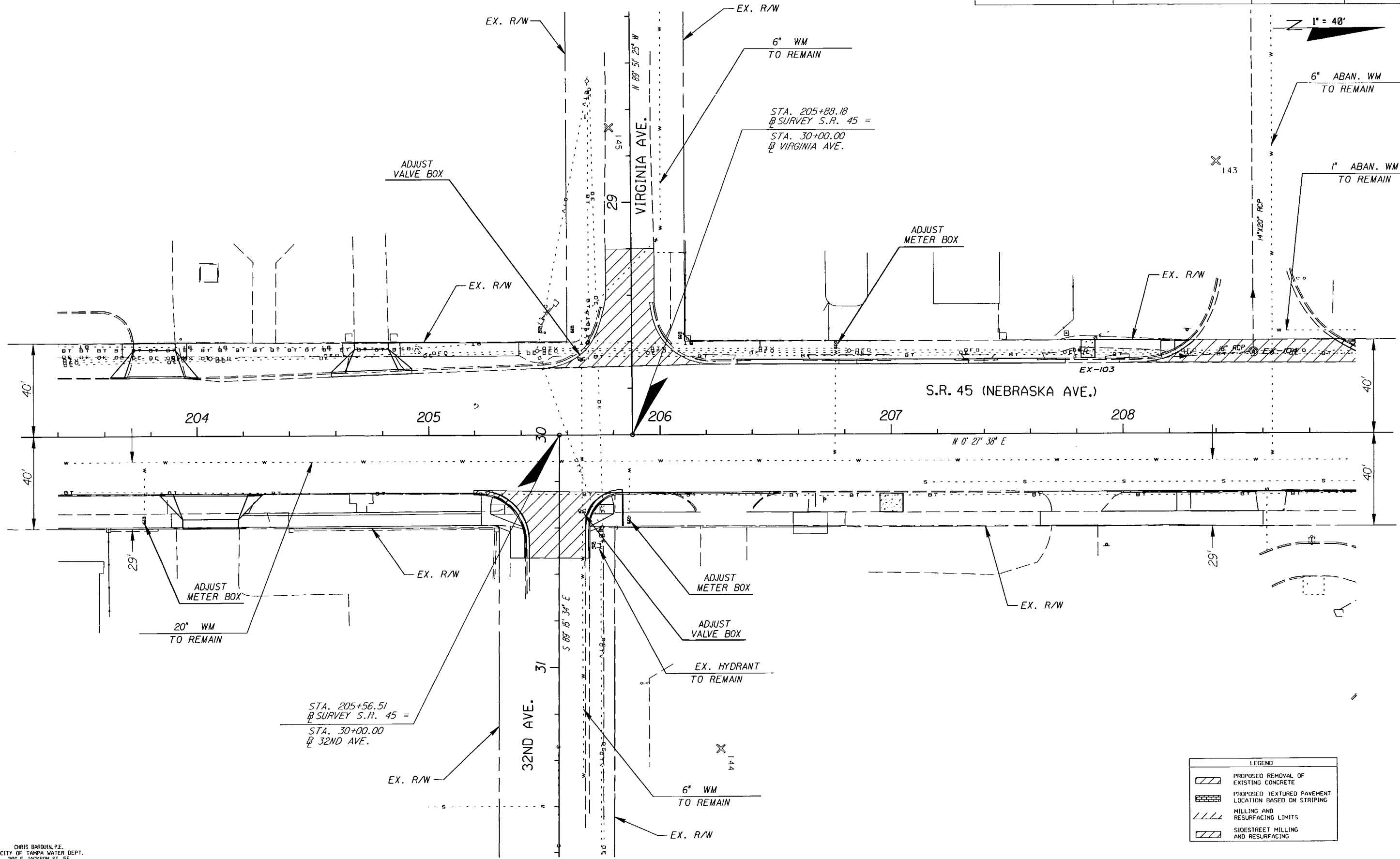
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Approved Date

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| Des: CB | W.O. 4540 | File: NEBRASKA AVE. - SOUTH |
| Dwn: FJ | | FILE NUMBER |
| Ckd: CB | | SHEET 21 OF 55 SHEETS |

NOTICE: THE OFFICIAL RECORD OF THIS PROJECT SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.

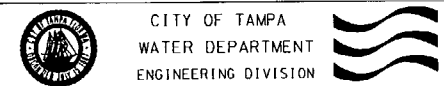
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| UHWCA | FINANCIAL PROJECT ID | STATE PROJ. NO. | NO. |
| 255853-1-56-01 | | | U - 28 |



1" = 40'

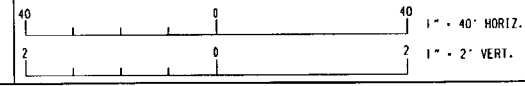
| LEGEND | |
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| | PROPOSED REMOVAL OF EXISTING CONCRETE |
| | PROPOSED TEXTURED PAVEMENT LOCATION BASED ON STRIPING |
| | MILLING AND RESURFACING LIMITS |
| | SIDESTREET MILLING AND RESURFACING |

CHRIS BARDKIN, P.E.
CITY OF TAMPA WATER DEPT.
306 E. JACKSON ST., 5C
TAMPA, FLA. 33602
P.E. #31980



MAIN RELOCATION

S.R. 45 FROM KENNEDY BLVD. TO HILLSBOROUGH AVE.
STA. 203+40 TO STA. 209+00



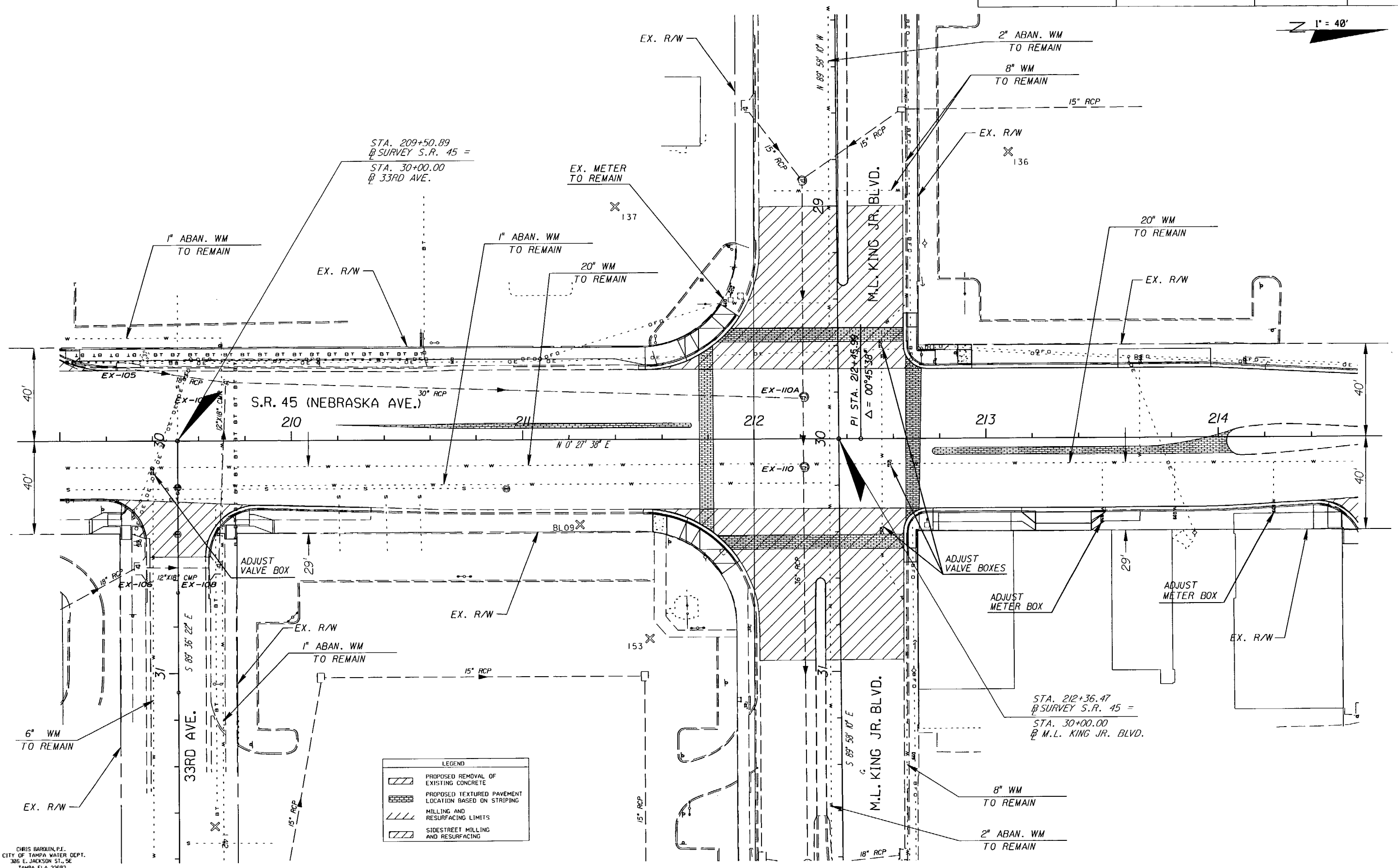
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| Atlas Pages | G-12 |
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| Approved Date | |

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| Des: CB | W.O. 4540 | File: NEBRASKA AVE. - SOUTH |
| Dwn: FJ | FILE NUMBER | |
| Ckd: CB | SHEET 28 | OF 55 SHEETS |

NOTICE: THE OFFICIAL RECORD OF THIS PLAN SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.

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| UHWCA | FINANCIAL PROJECT ID | STATE PROJ. NO. | NO. |
| 255853-1-56-01 | | | U - 29 |

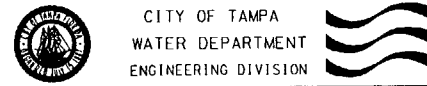
1" = 40'



LEGEND

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| | PROPOSED REMOVAL OF EXISTING CONCRETE |
| | PROPOSED TEXTURED PAVEMENT LOCATION BASED ON STRIPING |
| | MILLING AND RESURFACING LIMITS |
| | SIDESTREET MILLING AND RESURFACING |

CHRIS BARQUIN, P.E.
CITY OF TAMPA WATER DEPT.
385 E. JACKSON ST., SE
TAMPA, FLA. 33602
P.E. #31988



MAIN RELOCATION

S.R. 45 FROM KENNEDY BLVD. TO HILLSBOROUGH AVE.
STA. 209+00 TO STA. 214+60

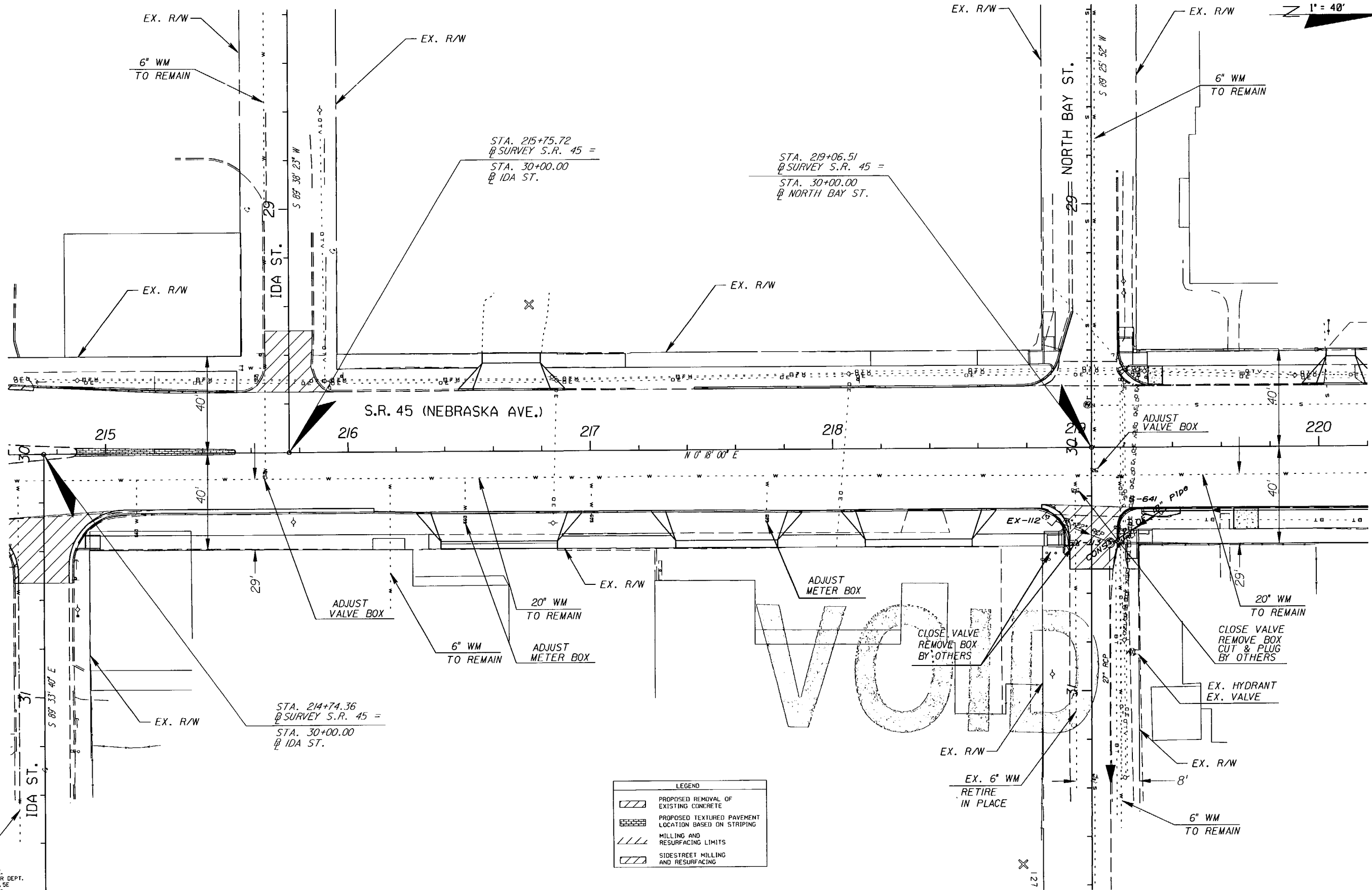


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| Atlas Pages | G-12 |
| No. Date | |
| Approved Date | |
| REVISION | |

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|------|----|-------------|-----------------------------|
| Des: | CB | W.O. 4540 | File: NEBRASKA AVE. - SOUTH |
| Dwn: | FJ | FILE NUMBER | |
| Ckd: | CB | SHEET 29 | OF 55 SHEETS |

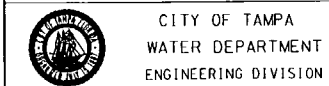
NOTICE: THE OFFICIAL RECORD OF THIS PLAN SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.

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|----------------|----------------------|-----------------|--------|
| UHWCA | FINANCIAL PROJECT ID | STATE PROJ. NO. | NO. |
| 255853-1-56-01 | | | U - 30 |



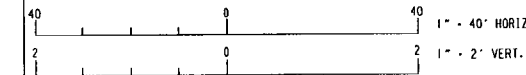
| LEGEND | |
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| | PROPOSED REMOVAL OF EXISTING CONCRETE |
| | PROPOSED TEXTURED PAVEMENT LOCATION BASED ON STRIPING |
| | MILLING AND RESURFACING LIMITS |
| | SIDESTREET MILLING AND RESURFACING |

CHRIS BARQUIN, P.E.
CITY OF TAMPA WATER DEPT.
306 E. JACKSON ST., 5E
TAMPA, FLA. 33602
P.E. #31980



MAIN RELOCATION

S.R. 45 FROM KENNEDY BLVD. TO HILLSBOROUGH AVE.
STA. 214+60 TO STA. 220+20

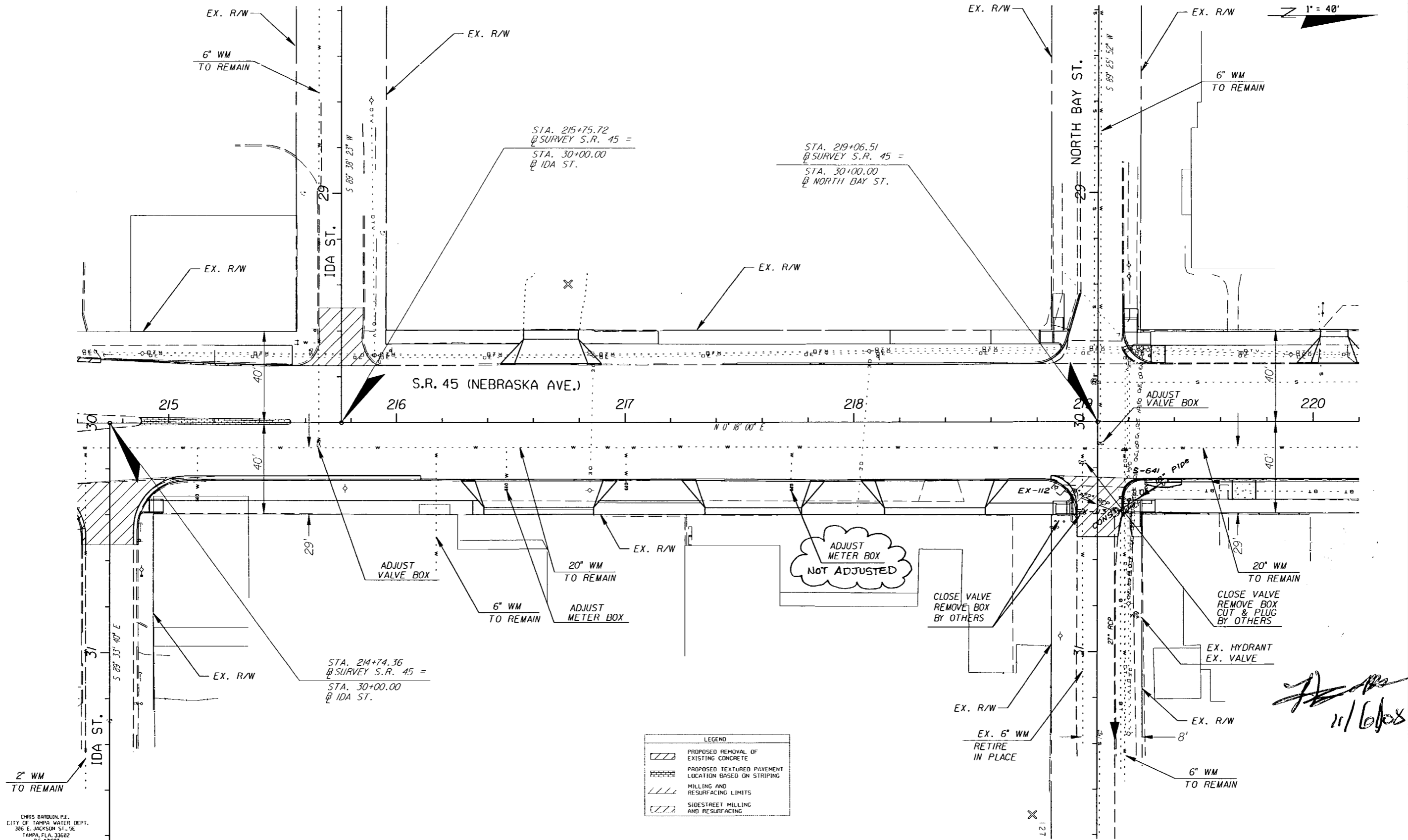


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| Approved | |
| Date | |

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| Des: | CB | W.O. 4540 | File: NEBRASKA AVE. - SOUTH |
| Dwn: | FJ | FILE NUMBER | |
| Ckd: | CB | SHEET 30 | OF 55 SHEETS |

NOTICE: THE OFFICIAL RECORD OF THIS PLAN SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.

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| UHWCA | FINANCIAL PROJECT ID | STATE PROJ. NO. | NO. |
| 255853-1-56-01 | | | U - 30 |



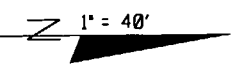
CHRIS BAROZIN, P.E.
 CITY OF TAMPA WATER DEPT.
 386 E. JACKSON ST., SE
 TAMPA, FLA. 33602
 P.E. #15202

| LEGEND | |
|--------|---|
| | PROPOSED REMOVAL OF EXISTING CONCRETE |
| | PROPOSED TEXTURED PAVEMENT LOCATION BASED ON STRIPING |
| | MILLING AND RESURFACING LIMITS |
| | SIDESTREET MILLING AND RESURFACING |

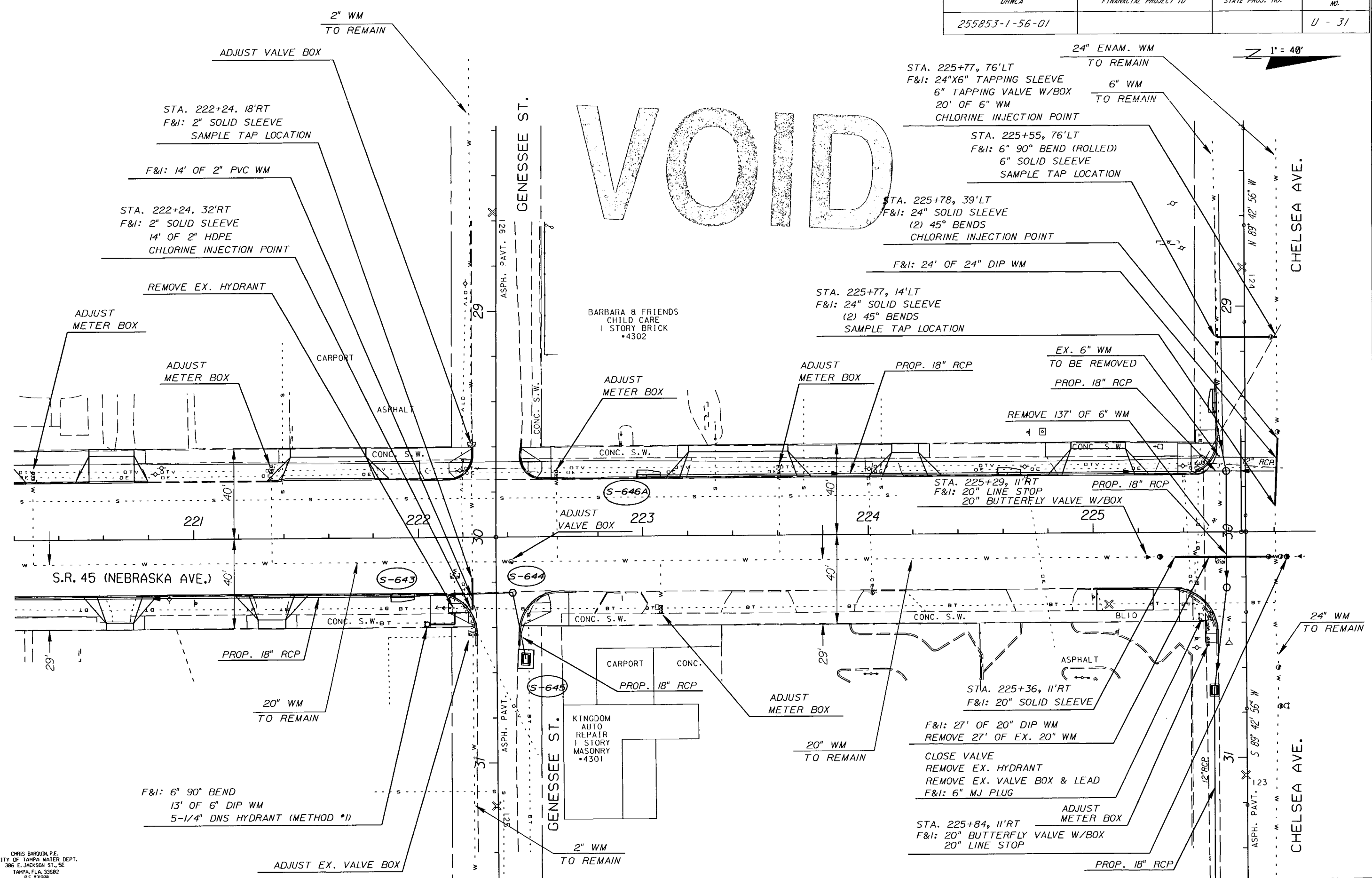
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NOTICE: THE OFFICIAL RECORD OF THIS PLAN SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.

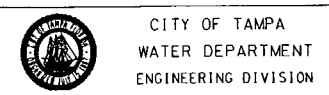
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| UHWCA | FINANCIAL PROJECT ID | STATE PROJ. NO. | NO. |
| 255853-1-56-01 | | | U - 31 |



VOID



CHRIS BAROUD, P.E.
CITY OF TAMPA WATER DEPT.
306 E. JACKSON ST., SE
TAMPA, FLA. 33602
P.E. #31988



MAIN RELOCATION

S.R. 45 FROM KENNEDY BLVD. TO HILLSBOROUGH AVE.
STA. 220+20 TO STA. 225+80

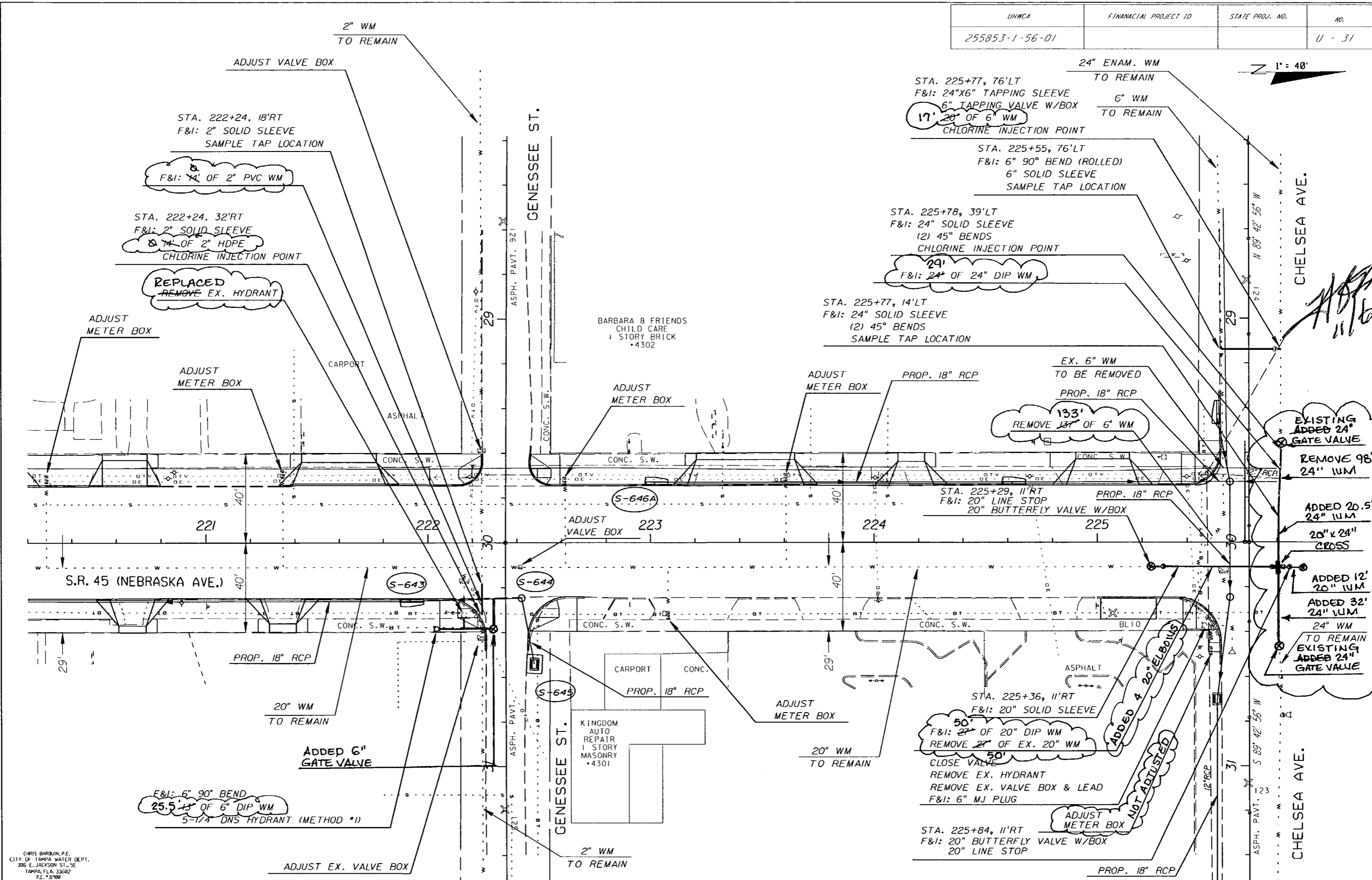


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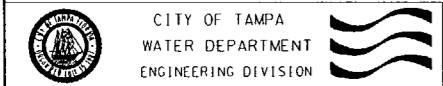
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| Des: | CB | W.O. 4540 | File: NEBRASKA AVE. - SOUTH |
| Dwn: | FJ | | FILE NUMBER |
| Cl-dt: | CB | SHEET 31 | OF 55 SHEETS |

NOTICE: THE OFFICIAL RECORD OF THIS PLAN SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.

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| UHWCA | FINANCIAL PROJECT ID | STATE PROJ. NO. | NO. |
| 255853-1-56-01 | | | U - 31 |

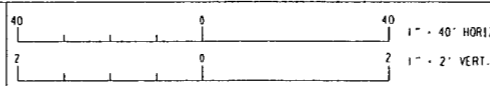


CHRIS BARON, P.E.
CITY OF TAMPA WATER DEPT.
306 E. JACKSON ST., SE
TAMPA, FLA. 33602
P.E. # 31700



MAIN RELOCATION

S.R. 45 FROM KENNEDY BLVD. TO HILLSBOROUGH AVE.
STA. 220+20 TO STA. 225+80

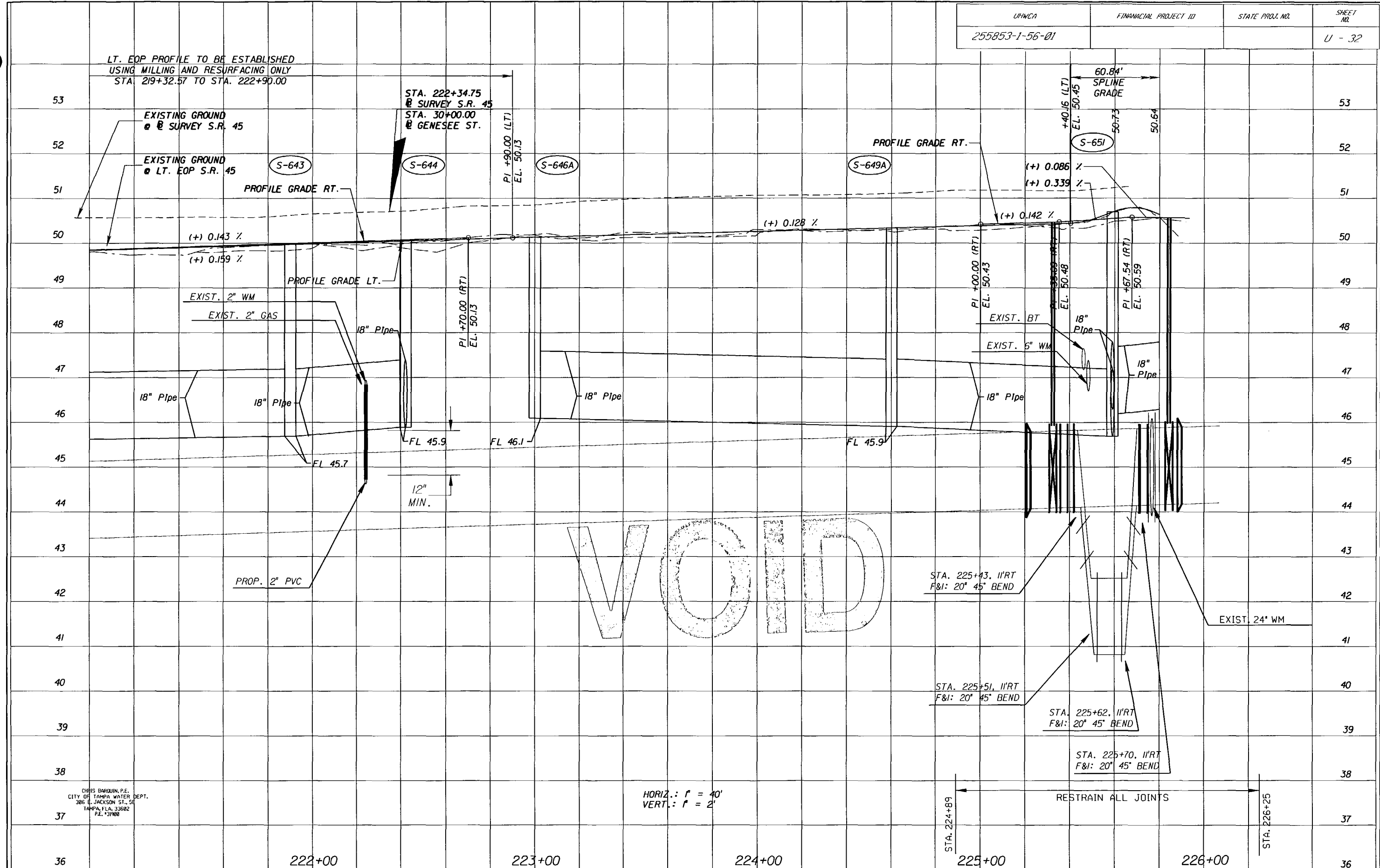


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| Atlas Pages | No. | Date | REVISION | By |
| F-12 | | | | |

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| Des: | CB | W.O. 4540 | FILE: NEBRASKA AVE. SOUTH |
| Dwn: | FJ | | FILE NUMBER |
| Chk: | CB | | |

NOTICE: THE OFFICIAL RECORD OF THIS PLAN SHEET IS THE ELECTRONIC FILE STORED AND SEALED UNDER RULE 61G15-23.003, F.A.C.

Handwritten: 11/6/08



LT. EOP PROFILE TO BE ESTABLISHED
USING MILLING AND RESURFACING ONLY
STA. 219+32.57 TO STA. 222+90.00

STA. 222+34.75
@ SURVEY S.R. 45
STA. 30+00.00
@ GENESEE ST.

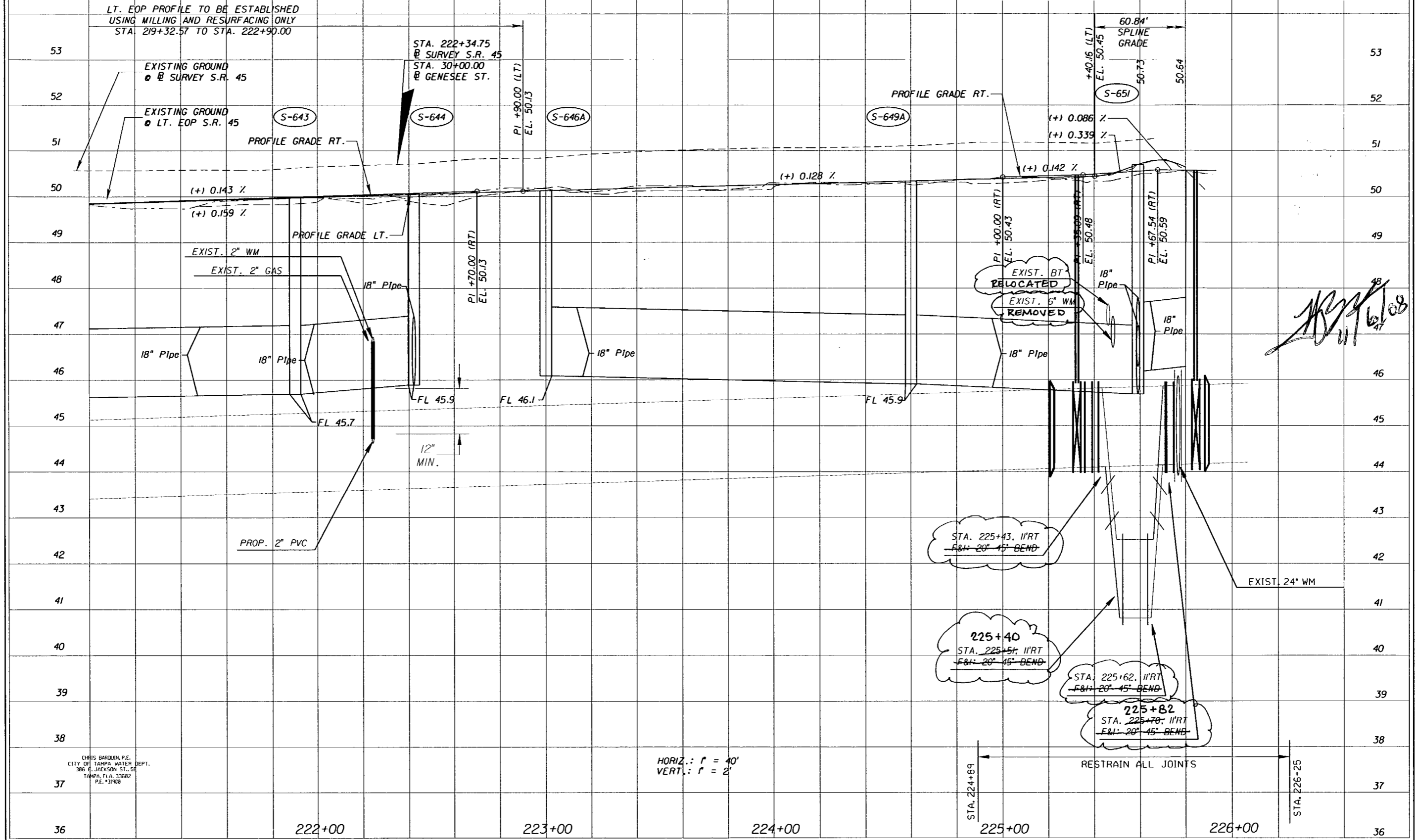
VOID

HORIZ.: 1" = 40'
VERT.: 1" = 2'

CHRIS BARON, P.E.
CITY OF TAMPA WATER DEPT.
386 E. JACKSON ST., 5E
TAMPA, FLA. 33602
P.E. 31988

NOTICE: THE OFFICIAL RECORD OF THIS PLAN SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.

| | | | |
|----------------|----------------------|-----------------|-----------|
| UHWCA | FINANCIAL PROJECT ID | STATE PROJ. NO. | SHEET NO. |
| 255853-1-56-01 | | | U - 32 |



[Handwritten signature]
 6/10/08

CHRIS BARON, P.E.
 CITY OF TAMPA WATER DEPT.
 306 E. JACKSON ST., 5E
 TAMPA, FLA. 33602
 P.E. #37928

HORIZ.: 1" = 40'
 VERT.: 1" = 2'

STA. 224+89

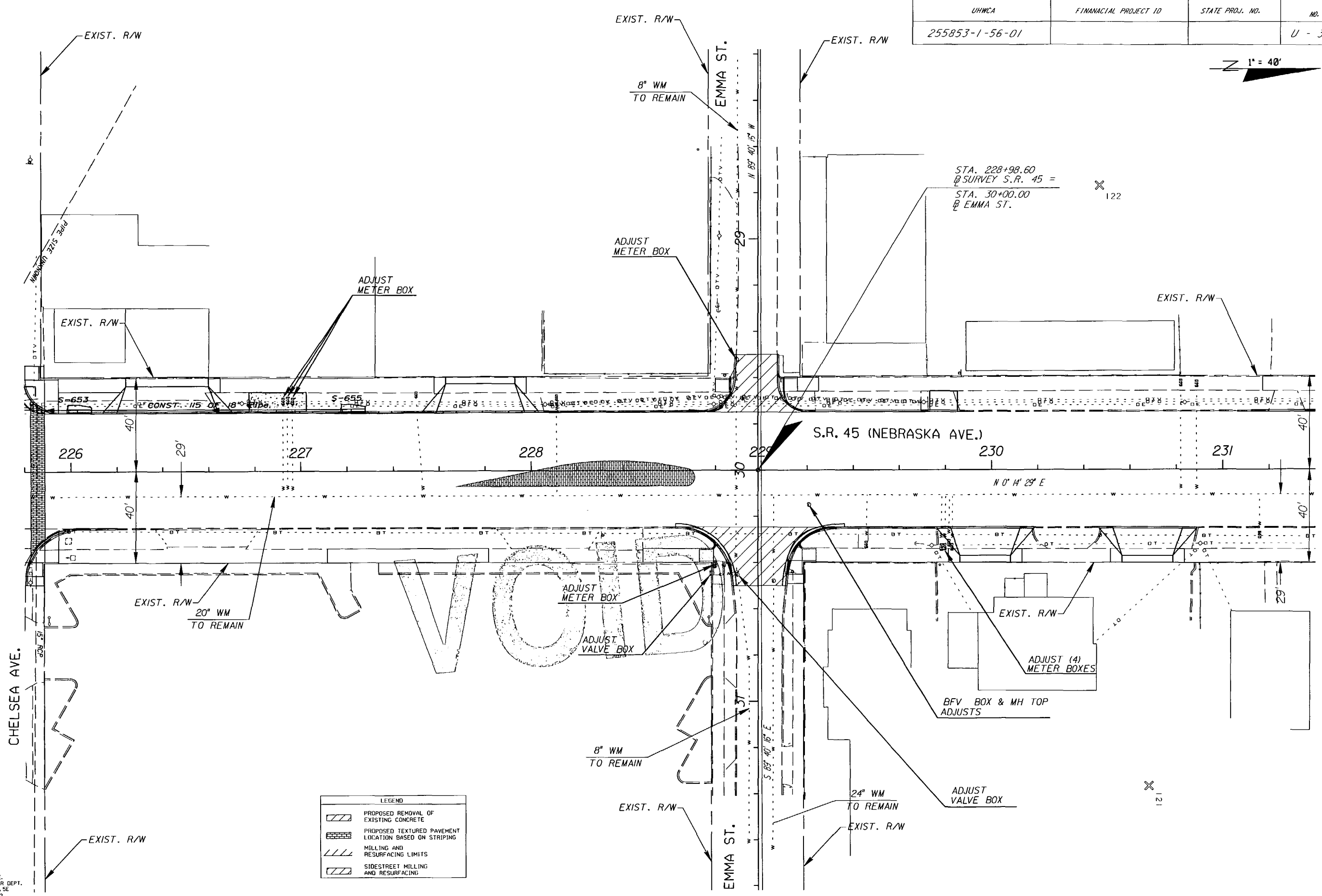
RESTRAIN ALL JOINTS

STA. 226+25

NOTICE: THE OFFICIAL RECORD OF THIS PLAN SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61D15-23.003, F.A.C.

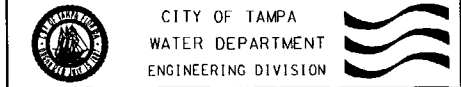
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| UHWCA | FINANCIAL PROJECT ID | STATE PROJ. NO. | NO. |
| 255853-1-56-01 | | | U - 33 |

1" = 40'



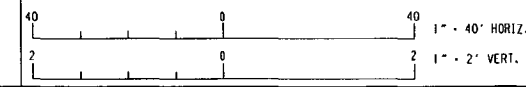
| LEGEND | |
|--------|---|
| | PROPOSED REMOVAL OF EXISTING CONCRETE |
| | PROPOSED TEXTURED PAVEMENT LOCATION BASED ON STRIPING |
| | MILLING AND RESURFACING LIMITS |
| | SIDESTREET MILLING AND RESURFACING |

CHRIS BARQUIN, P.E.
CITY OF TAMPA WATER DEPT.
306 E. JACKSON ST., SE
TAMPA, FLA. 33602
P.E. #31908



MAIN RELOCATION

S.R. 45 FROM KENNEDY BLVD. TO HILLSBOROUGH AVE.
STA. 225+20 TO STA. 231+40



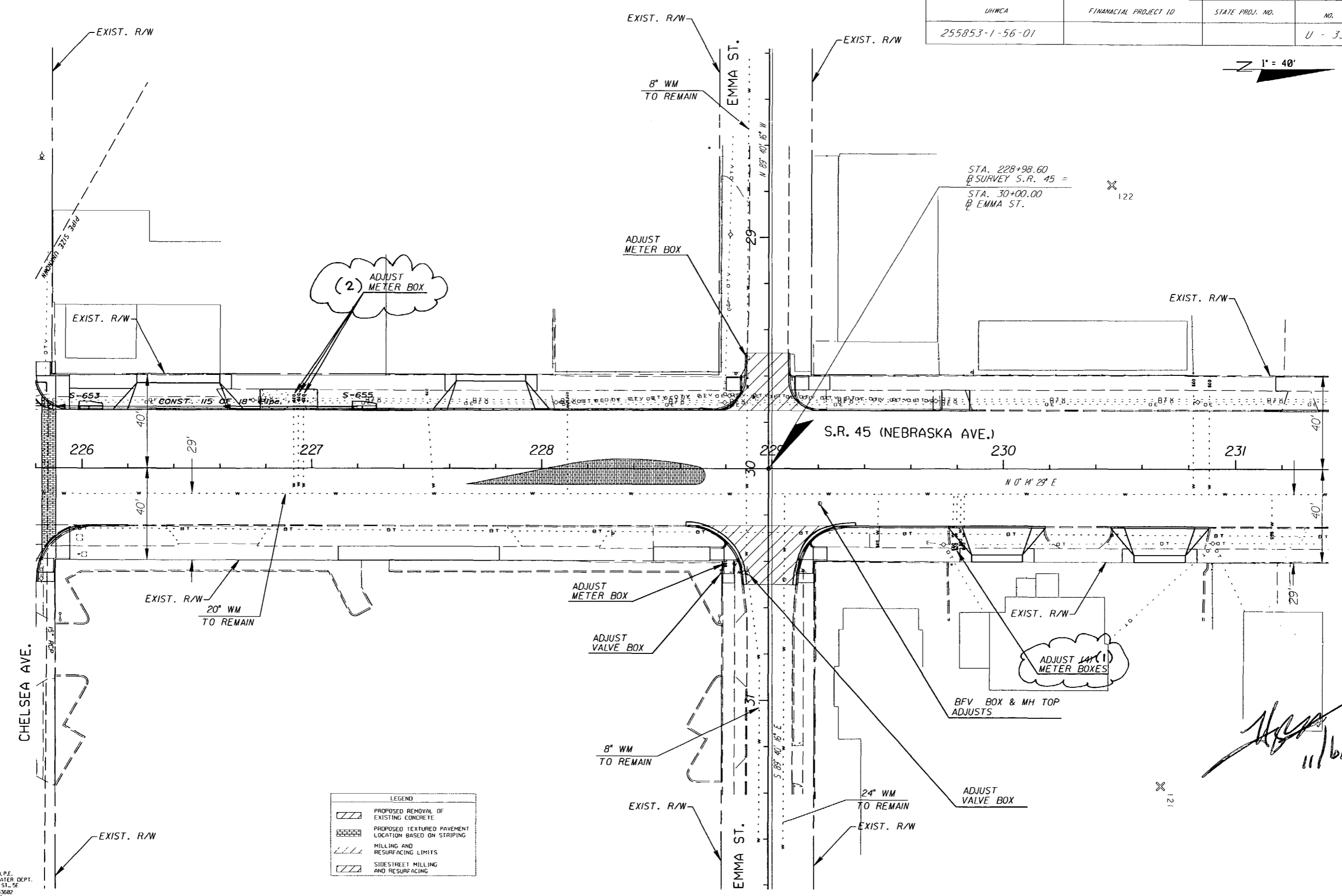
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| Atlas Pages | F-12 |
| No. Date | REVISION |
| Approved | By |
| Date | |

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| Des: CB | W.D. 4540 | FILE# NEBRASKA AVE. - SOUTH |
| Dwn: FJ | | FILE NUMBER |
| Chk: CB | | SHEET 33 OF 55 SHEETS |

NOTICE: THE OFFICIAL RECORD OF THIS PLAN SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.

| | | | |
|----------------|----------------------|-----------------|--------|
| UHWCA | FINANCIAL PROJECT ID | STATE PROJ. NO. | NO. |
| 255853-1-56-01 | | | U - 33 |

1" = 40'



LEGEND

| | |
|--|---|
| | PROPOSED REMOVAL OF EXISTING CONCRETE |
| | PROPOSED TEXTURED PAVEMENT LOCATION BASED ON STRIPING |
| | MILLING AND RESURFACING LIMITS |
| | SIDESTREET MILLING AND RESURFACING |

CHRIS BARQUIN, P.E.
CITY OF TAMPA WATER DEPT.
300 E. JACKSON ST., SE
TAMPA, FLA. 33602
P.E. #31900

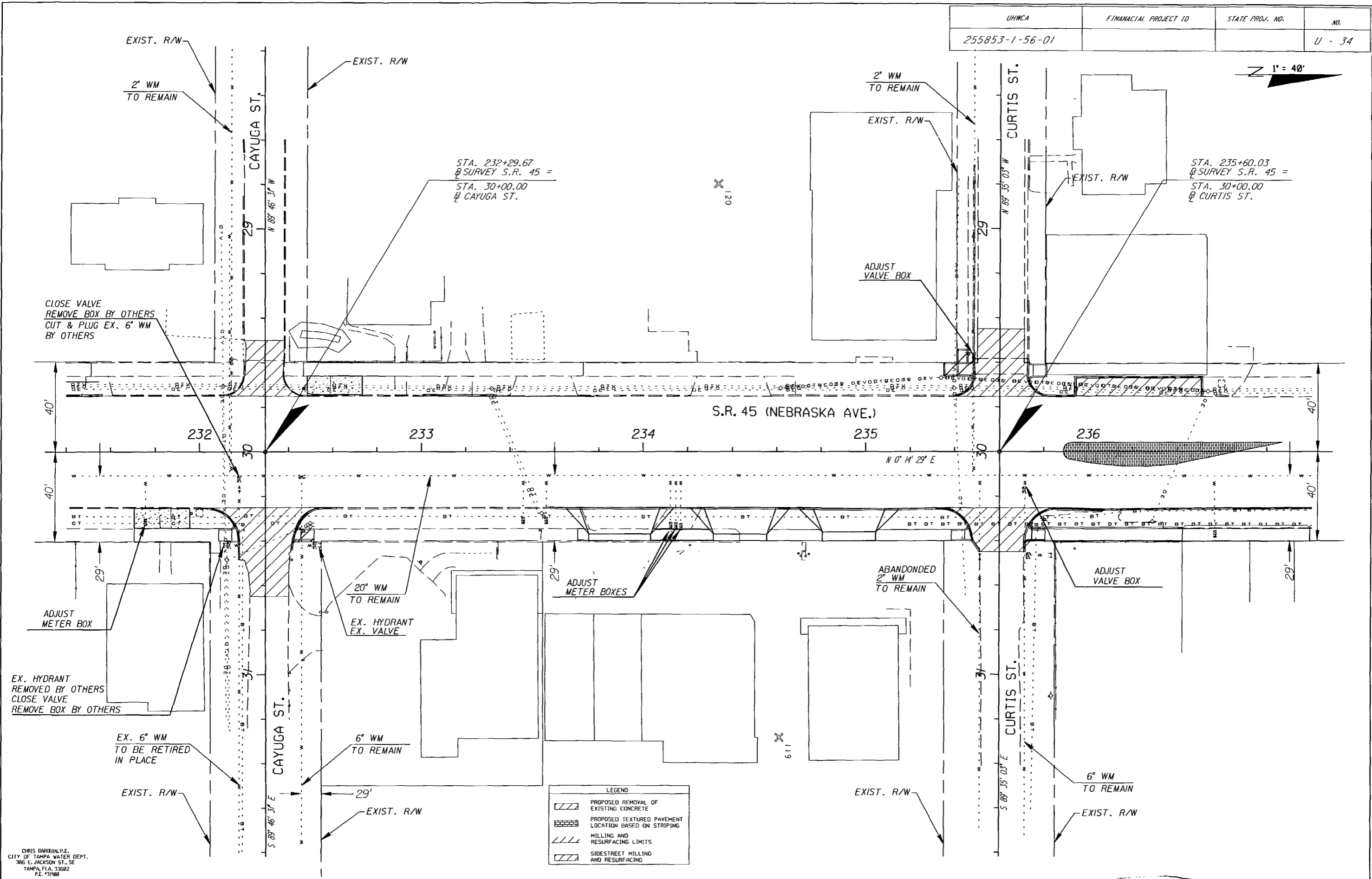
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11/6/08

| | CITY OF TAMPA WATER DEPARTMENT ENGINEERING DIVISION | | MAIN RELOCATION S.R. 45 FROM KENNEDY BLVD. TO HILLSBOROUGH AVE. STA. 225+20 TO STA. 231+40 | | Atlas Pages | <table border="1"> <tr> <th>No.</th> <th>Date</th> <th>REVISION</th> <th>By</th> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </table> | No. | Date | REVISION | By | | | | | Des: CB Dwn: FJ Ckd: CB | W.O. 4540 FILE NUMBER | File: NEBRASKA AVE. - SOUTH SHEET 33 OF 55 SHEETS |
|---------------|---|------|--|--|-------------|--|------|----------|----------|----|--|--|--|--|-------------------------------|--------------------------|--|
| | | | | | No. | | Date | REVISION | By | | | | | | | | |
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| Approved Date | F-12 | F-12 | | | | | | | | | | | | | | | |

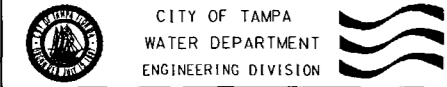
NOTICE: THE OFFICIAL RECORD OF THIS PLAN SHEET IS THE ELECTRONIC FILE STORED AND SEALED UNDER RULE 61G15-231.003, F.A.C.

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|----------------|----------------------|-----------------|--------|
| UHWCA | FINANCIAL PROJECT ID | STATE PROJ. NO. | NO. |
| 255853-1-56-01 | | | U - 34 |

N 1" = 40'



CHRIS BARRON, P.E.
CITY OF TAMPA WATER DEPT.
306 E. JACKSON ST., SE
TAMPA, FLA. 33602
P.E. 131988



MAIN RELOCATION

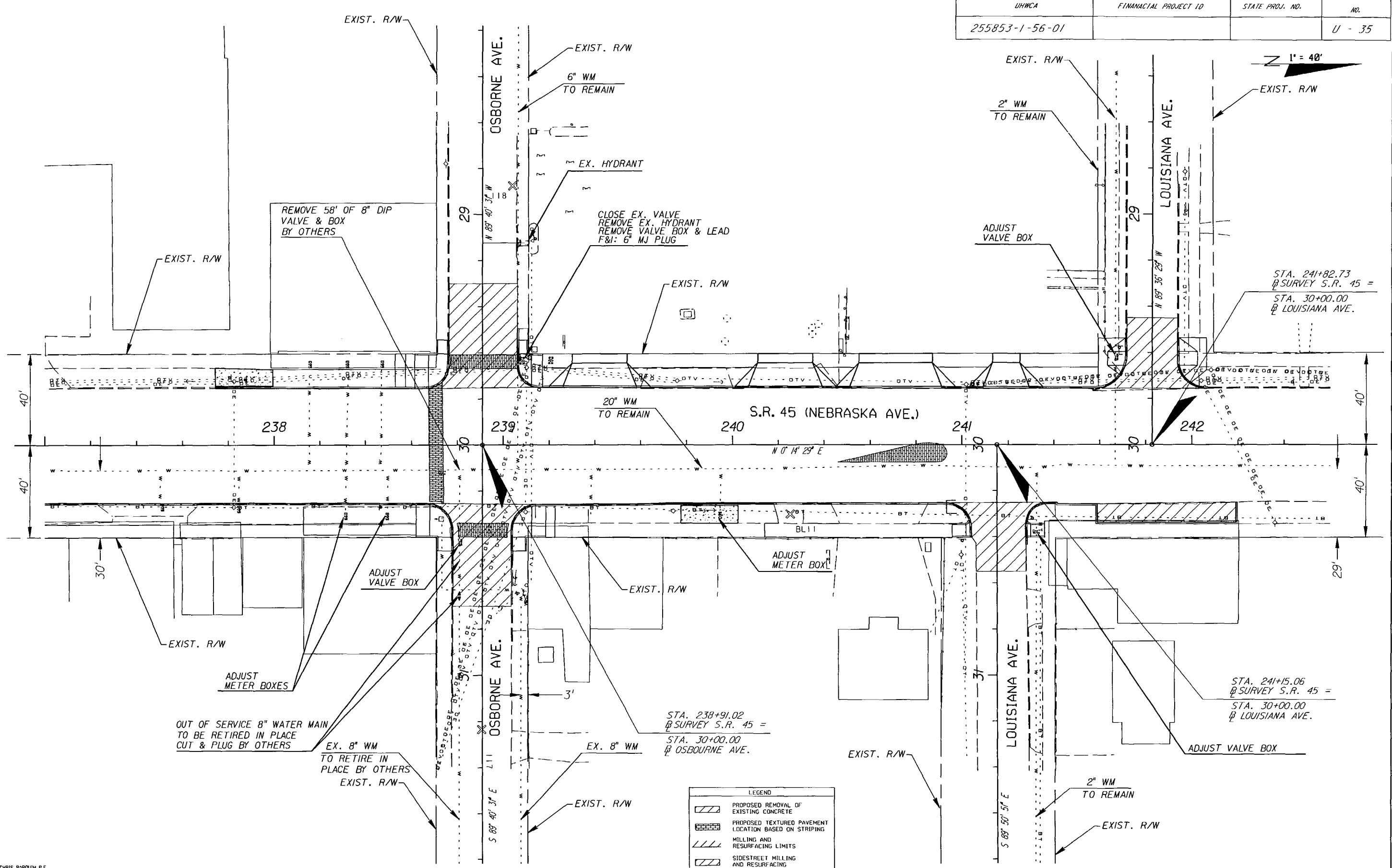
S.R. 45 FROM KENNEDY BLVD. TO HILLSBOROUGH AVE.
STA. 225+80 TO STA. 231+40



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|---------------|-----|------|----------|----|------|------|-----------------------------|
| Atlas Pages | No. | Date | REVISION | By | Des: | W.O. | FILE NUMBER |
| F-12 | | | | | CB | 4540 | FILE: NEBRASKA AVE. - SOUTH |
| Approved Date | | | | | Dwn: | | |
| | | | | | CB | | |
| | | | | | Ckd: | | |
| | | | | | | | SHEET 34 OF 55 SHEETS |

NOTICE: THE OFFICIAL RECORD OF THIS PLAN SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.

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|----------------|----------------------|-----------------|--------|
| UHWCA | FINANCIAL PROJECT ID | STATE PROJ. NO. | NO. |
| 255853-1-56-01 | | | U - 35 |

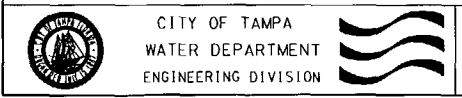


1" = 40'

LEGEND

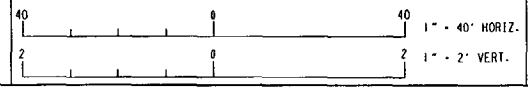
| | |
|--|---|
| | PROPOSED REMOVAL OF EXISTING CONCRETE |
| | PROPOSED TEXTURED PAVEMENT LOCATION BASED ON STRIPING |
| | MILLING AND RESURFACING LIMITS |
| | SIDESTREET MILLING AND RESURFACING |

CHRIS BARQUIN, P.E.
CITY OF TAMPA WATER DEPT.
306 E. JACKSON ST., SE
TAMPA, FLA. 33602
P.E. 53190



MAIN RELOCATION

S.R. 45 FROM KENNEDY BLVD. TO HILLSBOROUGH AVE.
STA. 237+00 TO STA. 242+60



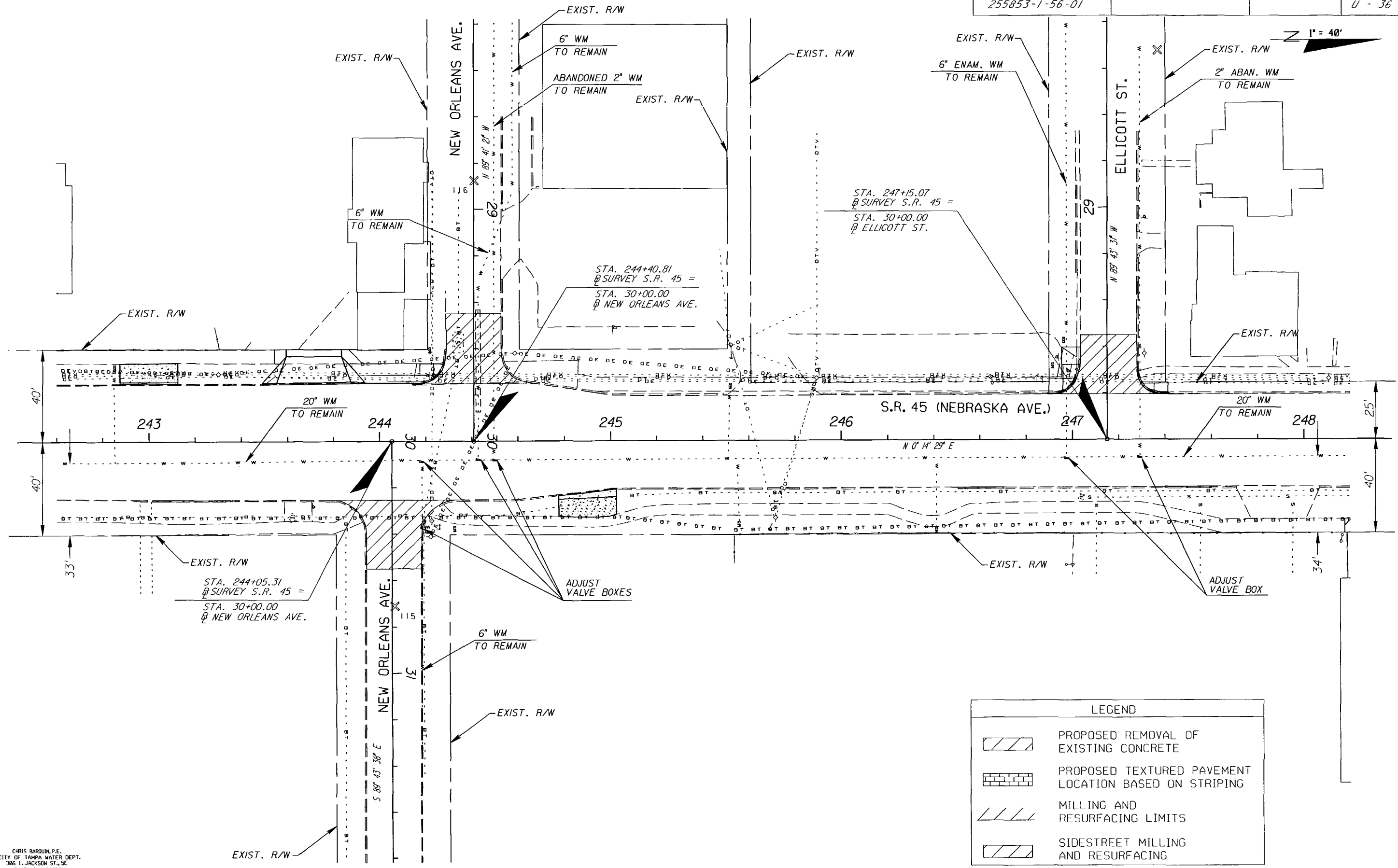
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| No. | Date | REVISION | By |
| F-12 | Approved Date | | |

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| Des: | CB | N.O. | 4540 | FILE: NEBRASKA AVE. - SOUTH |
| Dwn: | FJ | FILE NUMBER | | |
| Ckd: | CB | SHEET | 35 | OF 55 SHEETS |

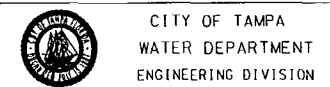
NOTICE: THE OFFICIAL RECORD OF THIS PLAN SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23-003, F.A.C.

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| UHWCA | FINANCIAL PROJECT ID | STATE PROJ. NO. | NO. |
| 255853-1-56-01 | | | U - 36 |



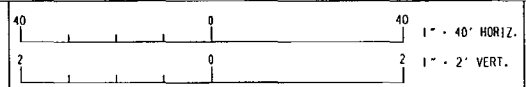
| LEGEND | |
|--------|---|
| | PROPOSED REMOVAL OF EXISTING CONCRETE |
| | PROPOSED TEXTURED PAVEMENT LOCATION BASED ON STRIPING |
| | MILLING AND RESURFACING LIMITS |
| | SIDESTREET MILLING AND RESURFACING |

CHRIS BARQUIN, P.E.
CITY OF TAMPA WATER DEPT.
306 E. JACKSON ST., SE
TAMPA, FLA. 33602
P.E. #31908



MAIN RELOCATION

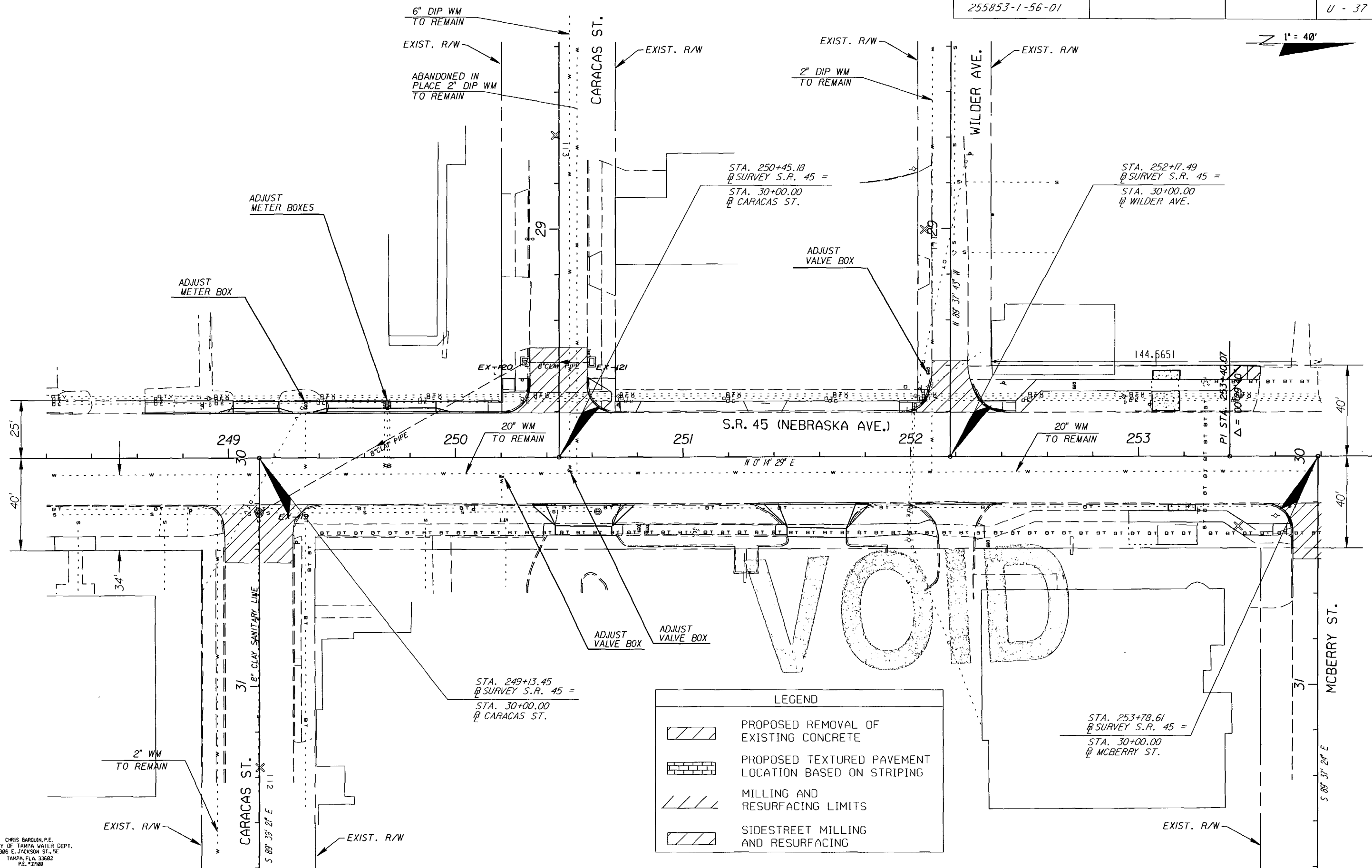
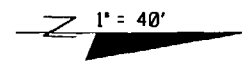
S.R. 45 FROM KENNEDY BLVD. TO HILLSBOROUGH AVE.
STA. 242+60 TO STA. 248+20



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| Atlas Pages | No. | Date | REVISION | By |
| F-12 | | | | |

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| Des: | CB | W.O. 4540 | File: NEBRASKA AVE. - SOUTH |
| Dwn: | FJ | FILE NUMBER | |
| Ckd: | CB | SHEET 36 | OF 55 SHEETS |

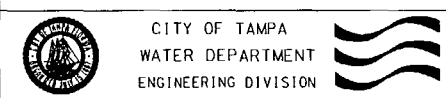
NOTICE: THE OFFICIAL RECORD OF THIS PLAN SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.



LEGEND

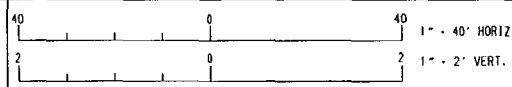
- PROPOSED REMOVAL OF EXISTING CONCRETE
- PROPOSED TEXTURED PAVEMENT LOCATION BASED ON STRIPING
- MILLING AND RESURFACING LIMITS
- SIDESTREET MILLING AND RESURFACING

CHRIS BARQUIN, P.E.
CITY OF TAMPA WATER DEPT.
386 E. JACKSON ST., 5E
TAMPA, FLA. 33602
P.E. #31988



MAIN RELOCATION

S.R. 45 FROM KENNEDY BLVD. TO HILLSBOROUGH AVE.
STA. 248+20 TO STA. 253+80

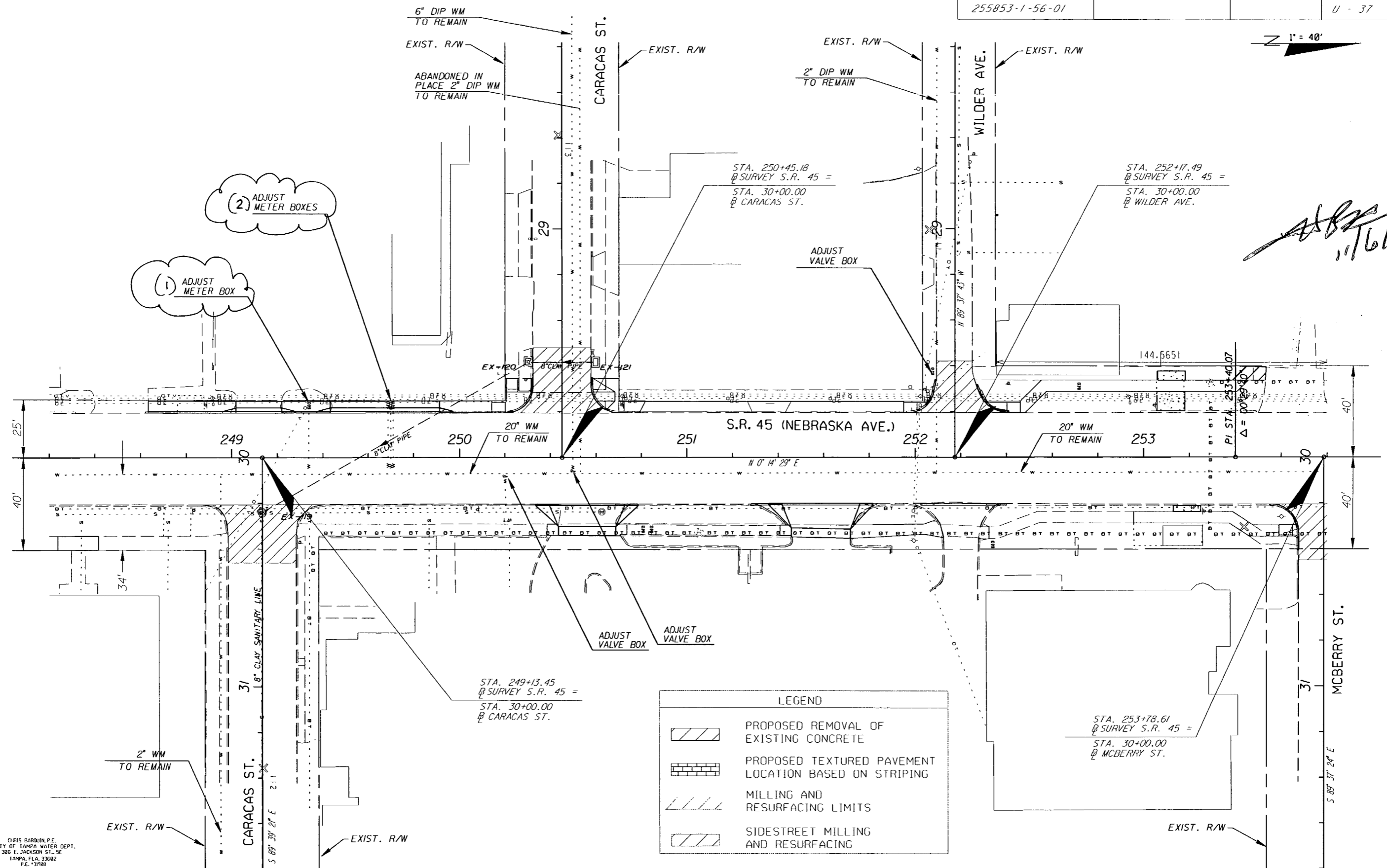


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| Atlas Pages | F-12 | | Des: CB | W.O. 4540 | FILE: NEBRASKA AVE. - SOUTH |
| No. Date | REVISION | By | Dwn: FJ | FILE NUMBER | |
| Approved Date | | | Ckd: CB | SHEET 37 | OF 55 SHEETS |

NOTICE: THE OFFICIAL RECORD OF THIS PLAN SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.

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| UHWCA | FINANCIAL PROJECT ID | STATE PROJ. NO. | NO. |
| 255853-1-56-01 | | | U - 37 |

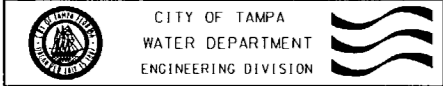
1" = 40'



Handwritten signature and date: 11/6/08

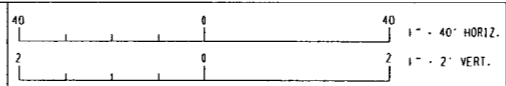
| LEGEND | |
|--------|---|
| | PROPOSED REMOVAL OF EXISTING CONCRETE |
| | PROPOSED TEXTURED PAVEMENT LOCATION BASED ON STRIPING |
| | MILLING AND RESURFACING LIMITS |
| | SIDESTREET MILLING AND RESURFACING |

ORIS BARQUIN, P.E.
CITY OF TAMPA WATER DEPT.
306 E. JACKSON ST., SE
TAMPA, FLA. 33602
P.E. 33928



MAIN RELOCATION

S.R. 45 FROM KENNEDY BLVD. TO HILLSBOROUGH AVE.
STA. 248+20 TO STA. 253+80

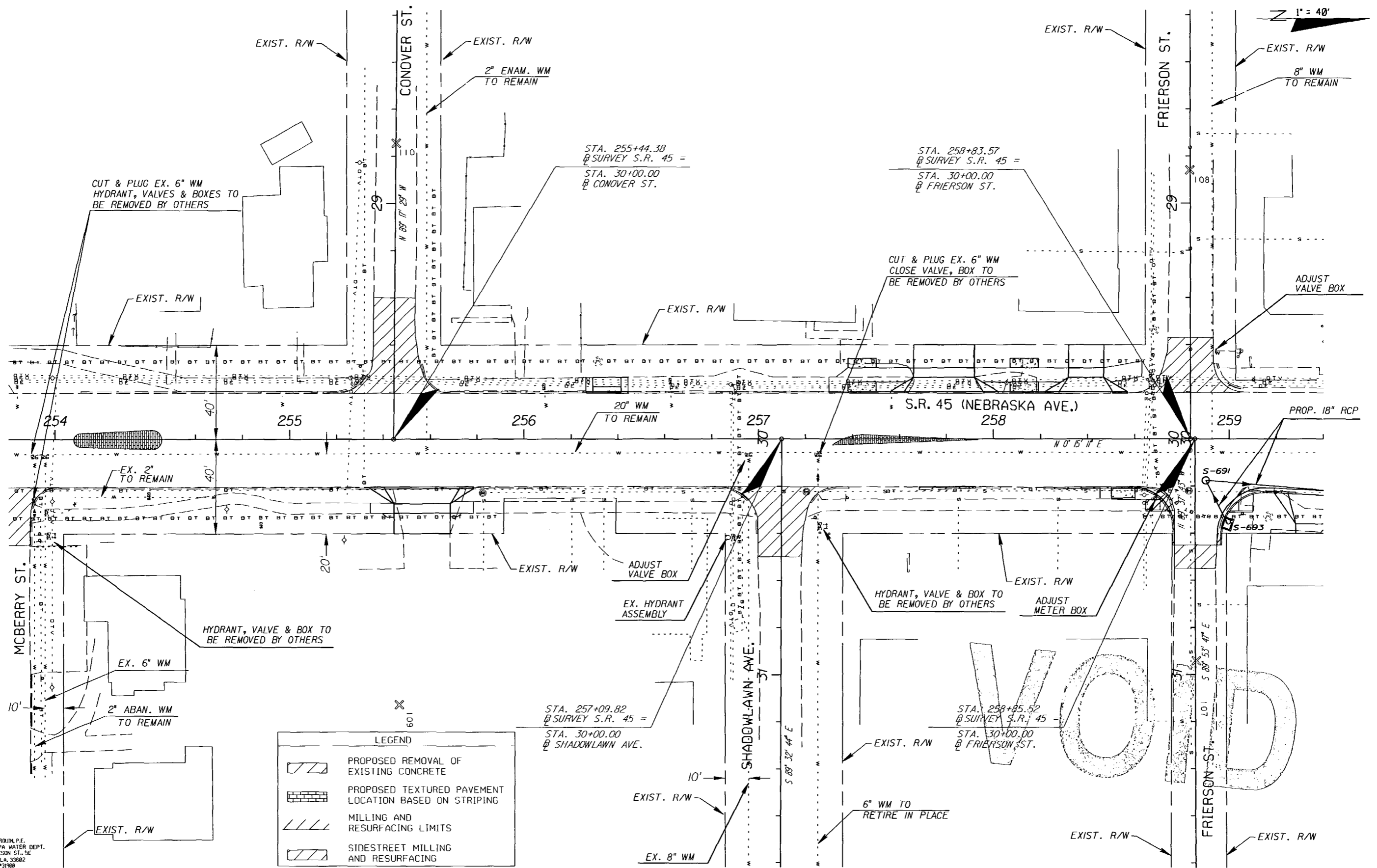


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| Atlas Pages | F-12 |
| No. | Date |
| REVISION | By |
| Approved | Date |

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| Des: CB | W.O. 4540 | File: NEBRASKA AVE. - SOUTH |
| Dwn: FJ | | FILE NUMBER |
| Ckt: CB | SHEET 37 | OF 55 SHEETS |

NOTICE: THE OFFICIAL RECORD OF THIS PLAN SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.

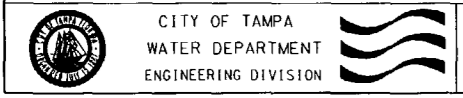
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| UHWCA | FINANCIAL PROJECT ID | STATE PROJ. NO. | NO. |
| 255853-1-56-01 | | | U - 38 |



LEGEND

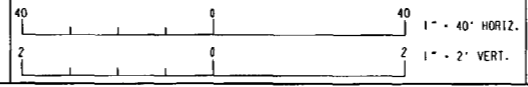
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|--|---|
| | PROPOSED REMOVAL OF EXISTING CONCRETE |
| | PROPOSED TEXTURED PAVEMENT LOCATION BASED ON STRIPING |
| | MILLING AND RESURFACING LIMITS |
| | SIDESTREET MILLING AND RESURFACING |

CHRIS BARQUIN, P.E.
CITY OF TAMPA WATER DEPT.
306 E. JACKSON ST., SE
TAMPA, FLA. 33602
P.E. #31989



MAIN RELOCATION

S.R. 45 FROM KENNEDY BLVD. TO HILLSBOROUGH AVE.
STA. 253+80 TO STA. 259+40



Revision Table

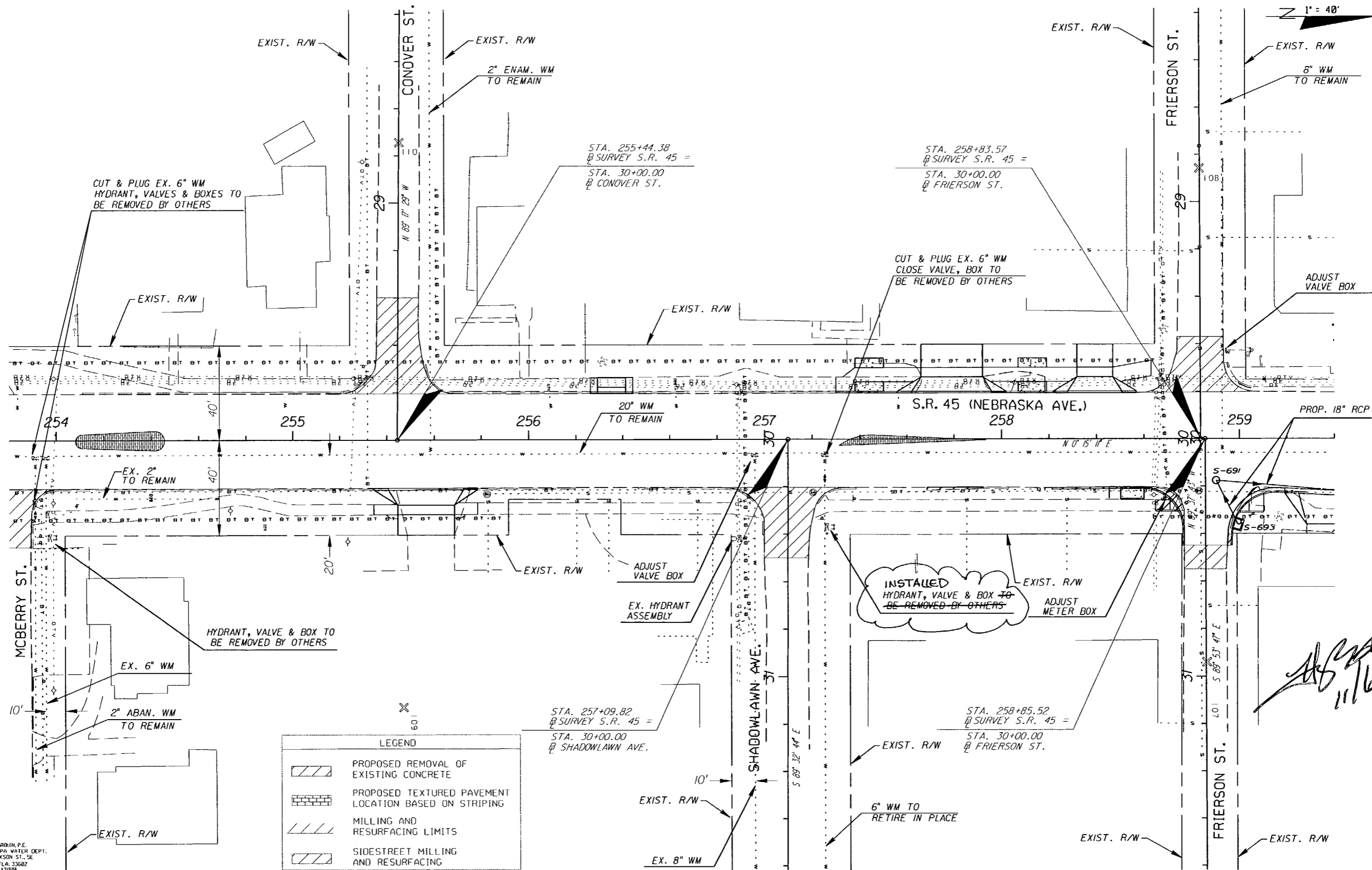
| No. | Date | REVISION | By |
|-----|------|----------|----|
| | | | |

Project Information

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| Dess: | CB | N.O. 4540 | File: NEBRASKA AVE. - SOUTH |
| Dwn: | FJ | FILE NUMBER | |
| Ckd: | CB | SHEET 38 | OF 55 SHEETS |

NOTICE: THE OFFICIAL RECORD OF THIS PLAN SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.

| | | | |
|----------------|----------------------|-----------------|--------|
| UHWCA | FINANCIAL PROJECT ID | STATE PROJ. NO. | NO. |
| 255853-1-56-01 | | | U - 38 |



1" = 40'

LEGEND

| | |
|--|---|
| | PROPOSED REMOVAL OF EXISTING CONCRETE |
| | PROPOSED TEXTURED PAVEMENT LOCATION BASED ON STRIPING |
| | MILLING AND RESURFACING LIMITS |
| | SIDESTREET MILLING AND RESURFACING |

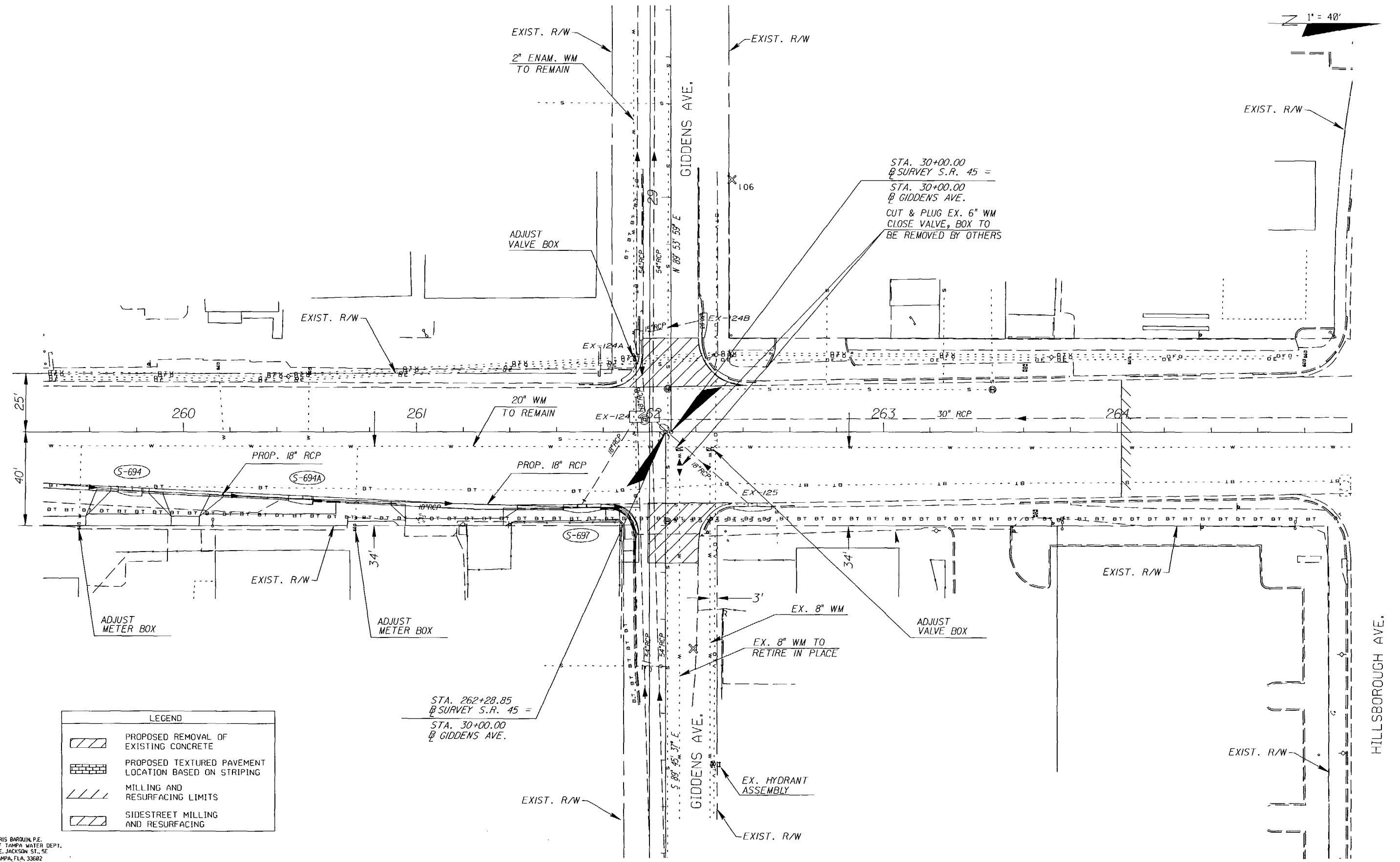
CHRIS BARQUIN, P.E.
CITY OF TAMPA WATER DEPT.
300 E. JACKSON ST., 5E
TAMPA, FLA. 33602
P.E. #31928

Handwritten signature and date
11/16/08

| | | | | | | | | | | | | |
|--|---|--|---|--|----------------------------------|---------------------|------------------------------|-----------------------|----------|-------------------------------|-------------------------|-----------------------------|
| | CITY OF TAMPA WATER DEPARTMENT ENGINEERING DIVISION | | MAIN RELOCATION S.R. 45 FROM KENNEDY BLVD. TO HILLSBOROUGH AVE. STA. 253+80 TO STA. 259+40 | | 1" = 40' HORIZ. 1" = 2' VERT. | Atlas Pages F-12 | No. _____ Date _____ | REVISION _____ | By _____ | Des: CB Dwn: FJ Ckd: CB | No. 4540 FILE NUMBER | File: NEBRASKA AVE. - SOUTH |
| | | | | | | | Approved _____ Date _____ | SHEET 38 OF 55 SHEETS | | | | |

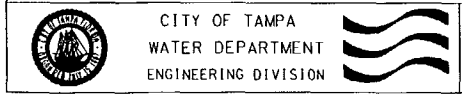
NOTICE: THE OFFICIAL RECORD OF THIS PLAN SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.

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|----------------|----------------------|-----------------|--------|
| UHWCA | FINANCIAL PROJECT ID | STATE PROJ. NO. | NO. |
| 255853-1-56-01 | | | U - 39 |



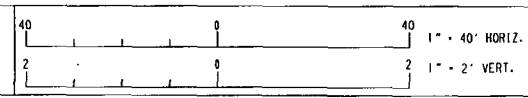
| LEGEND | |
|--------|---|
| | PROPOSED REMOVAL OF EXISTING CONCRETE |
| | PROPOSED TEXTURED PAVEMENT LOCATION BASED ON STRIPING |
| | MILLING AND RESURFACING LIMITS |
| | SIDESTREET MILLING AND RESURFACING |

CHRIS BAROJIN, P.E.
CITY OF TAMPA WATER DEPT.
306 E. JACKSON ST., SE
TAMPA, FLA. 33602
P.E. #31988



MAIN RELOCATION

S.R. 45 FROM KENNEDY BLVD. TO HILLSBOROUGH AVE.
STA. 259+40 TO STA. 265+00

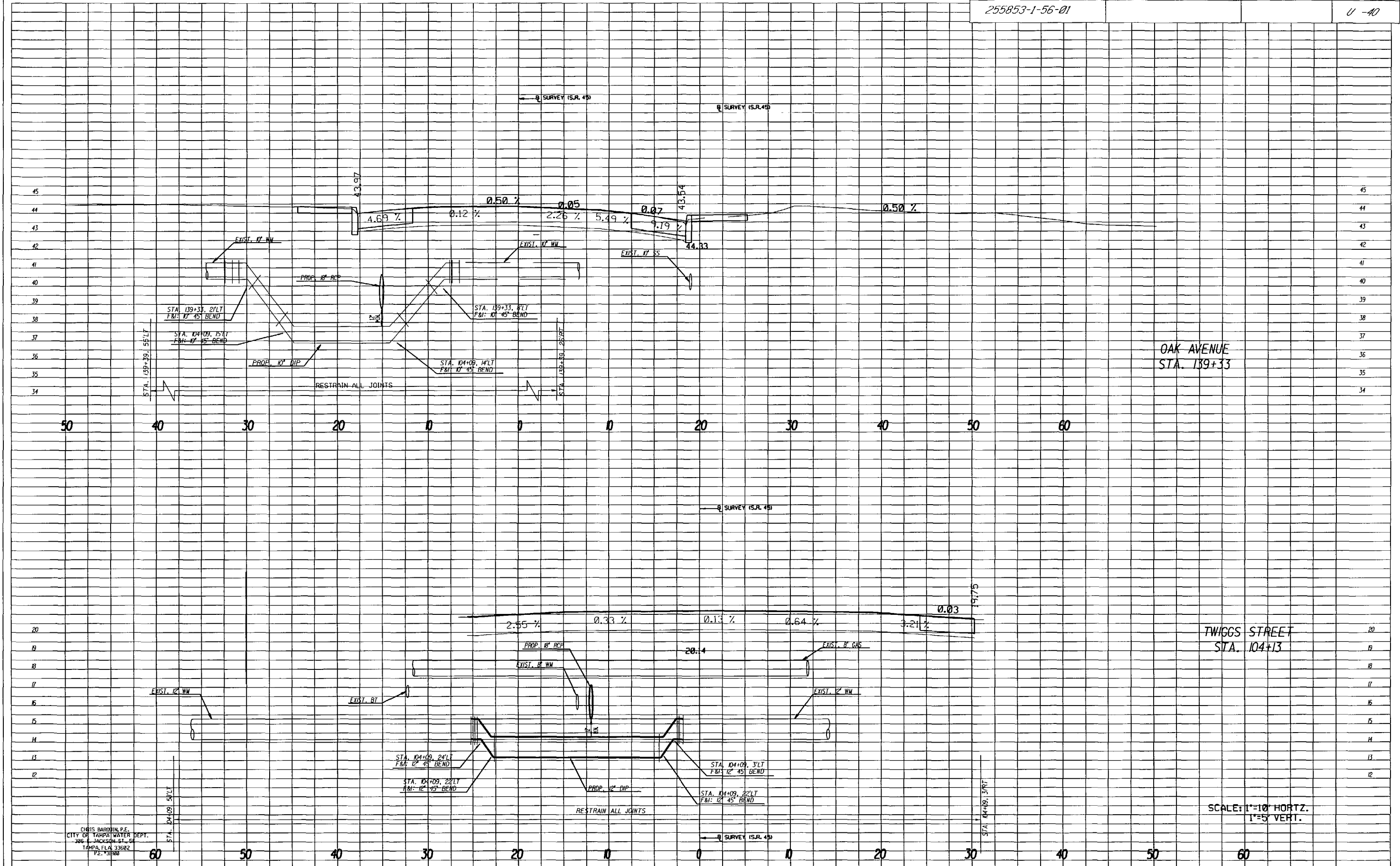


| No. | Date | REVISION | By |
|-----|------|----------|----|
| | | | |

Approved Date

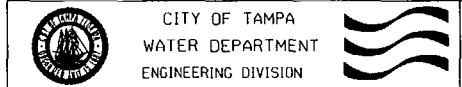
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|------|----|-------------|------|-------|-----------------------|
| Desg | CB | N.O. | 4540 | FILE# | NEBRASKA AVE. - SOUTH |
| Dwns | FJ | FILE NUMBER | | | |
| Ckcd | CB | SHEET | 39 | OF | 55 SHEETS |

NOTICE: THE OFFICIAL RECORD OF THIS PLAN SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003, F.A.C.



CHRIS BARONIN, P.E.
CITY OF TAMPA WATER DEPT.
306 JACKSON ST., S.E.
TAMPA, FLA. 33602
P.L. #3188

SCALE: 1"=10' HORIZ.
1"=5' VERT.



ROADWAY CROSS SECTIONS

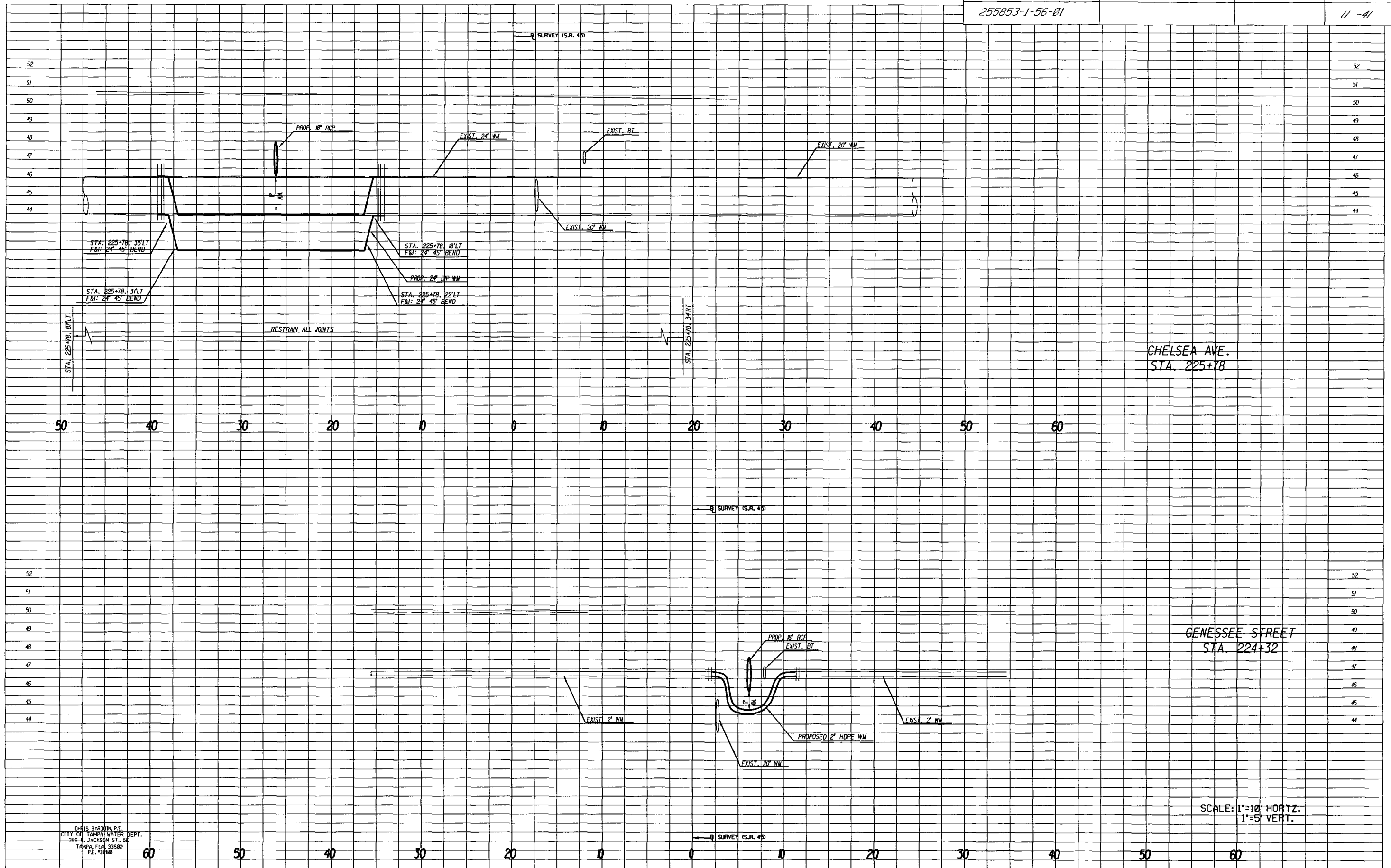
S.R.45 FROM KENNEDY BLVD. TO HILLSBOROUGH AVE.



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| Atlas Pages | F-12 | |
| No. Date | REVISION | By |
| Approved Date | | |

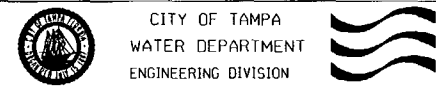
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| Des: CB | W.D. 4540 | File: NEBRASKA AVE. - SOUTH |
| Dwn: FJ | FILE NUMBER | |
| Ckd: CB | SHEET 40 | OF 55 SHEETS |

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CHRIS BARON, P.E.
CITY OF TAMPA WATER DEPT.
306 E. JACKSON ST., 5F
TAMPA, FLA. 33602
P.E. #31800

SCALE: 1"=10' HORIZ.
1"=5' VERT.



ROADWAY CROSS SECTIONS

S.R.45 FROM KENNEDY BLVD. TO HILLSBOROUGH AVE.



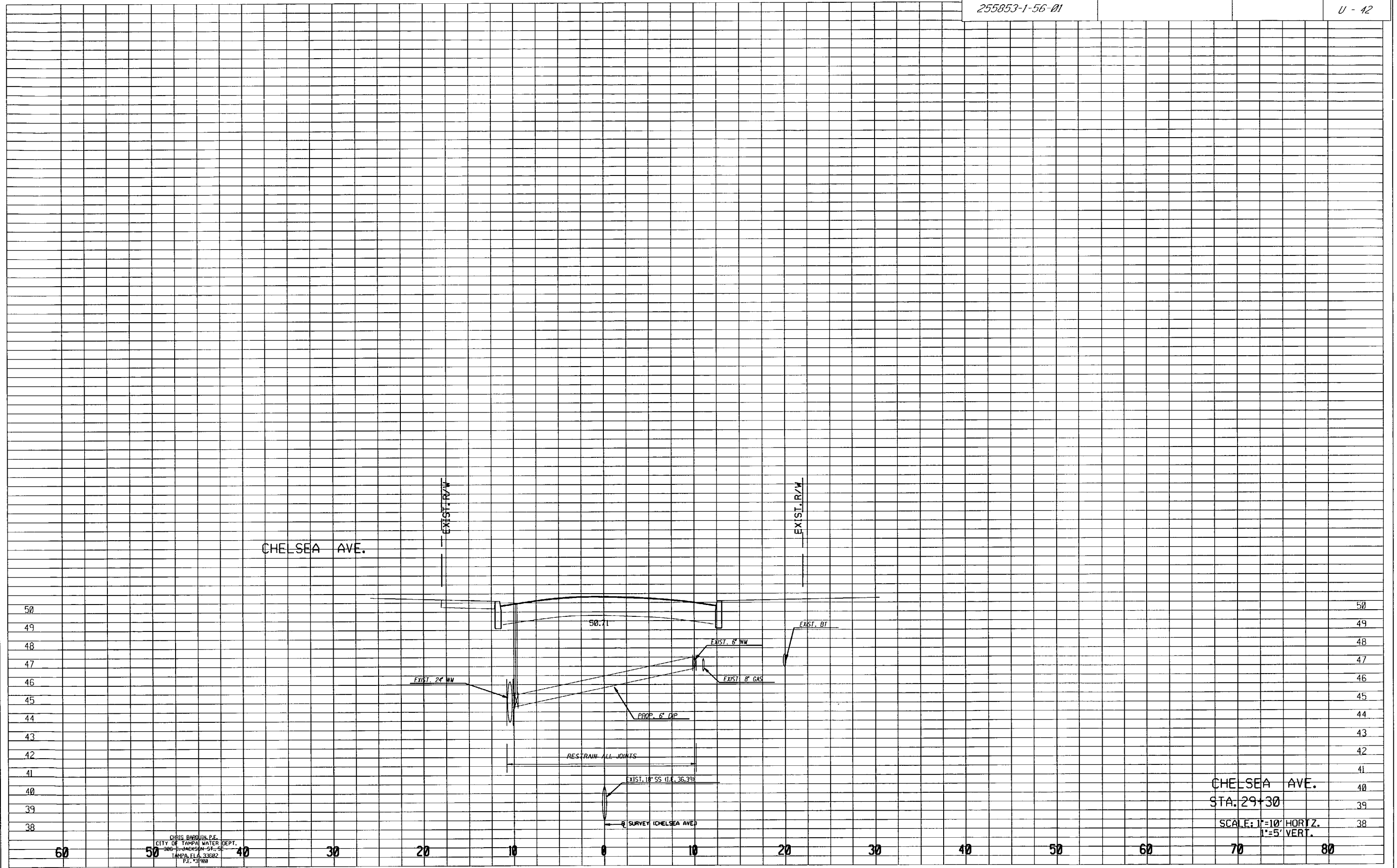
Atlas Pages
F-12

| No. | Date | REVISION | By |
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| | | |
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| Des: CB | W.D. 4540 | Files NEBRASKA AVE. SOUTH |
| Dwnc: FJ | FILE NUMBER | |
| Ckd: CB | SHEET 41 | OF 55 SHEETS |

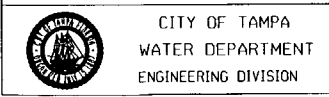
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| UHWCA | FINANCIAL PROJECT ID | STATE PROJ. NO. | SHEET NO. |
| 255853-1-56-01 | | | U - 42 |



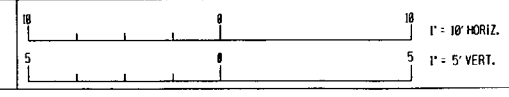
CHRIS BAROUIN, P.E.
 CITY OF TAMPA WATER DEPT.
 300 JACKSON ST., SE
 TAMPA, FLA. 33602
 P.E. #13988

CHELSEA AVE.
 STA. 29+30
 SCALE: 1"=10' HORIZ.
 1"=5' VERT.



ROADWAY CROSS SECTIONS

S.R.45 FROM KENNEDY BLVD. TO HILLSBOROUGH AVE.



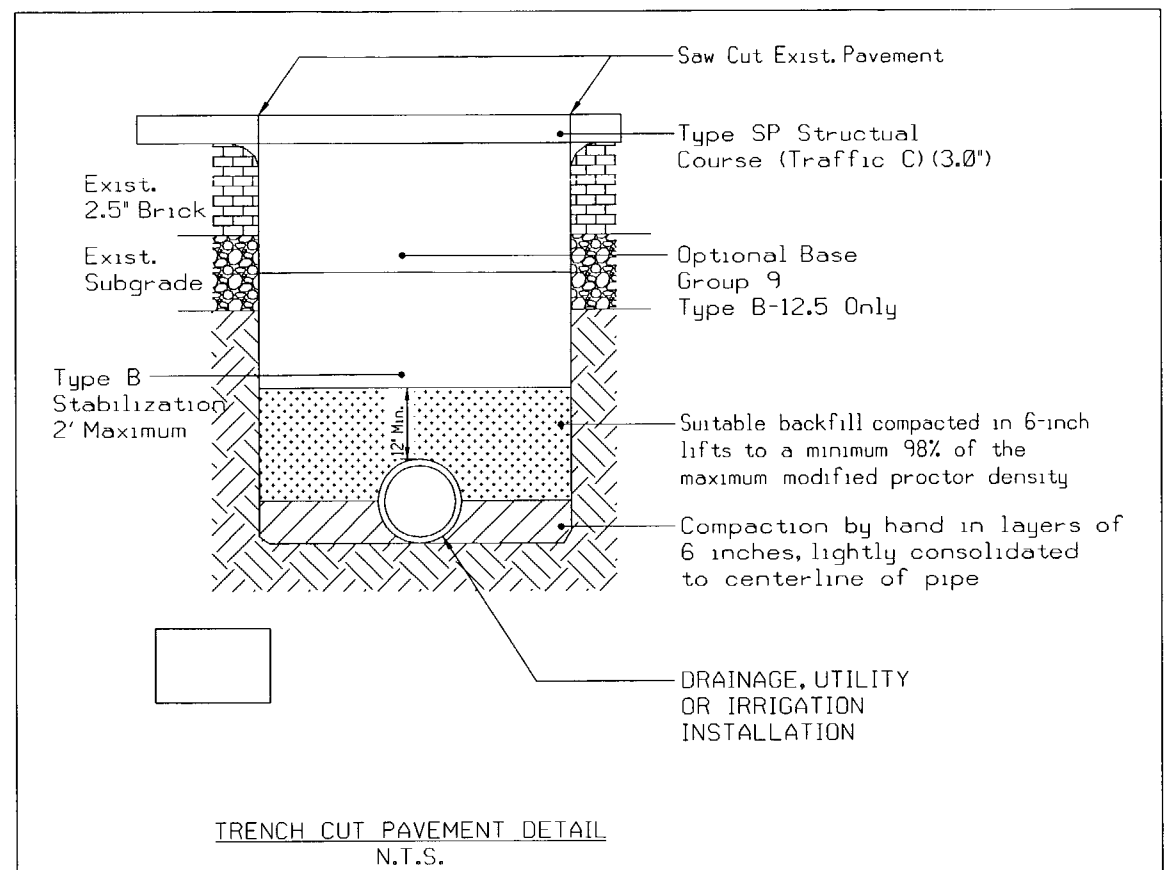
Atlas Pages
 F-12

| No. | Date | REVISION | By |
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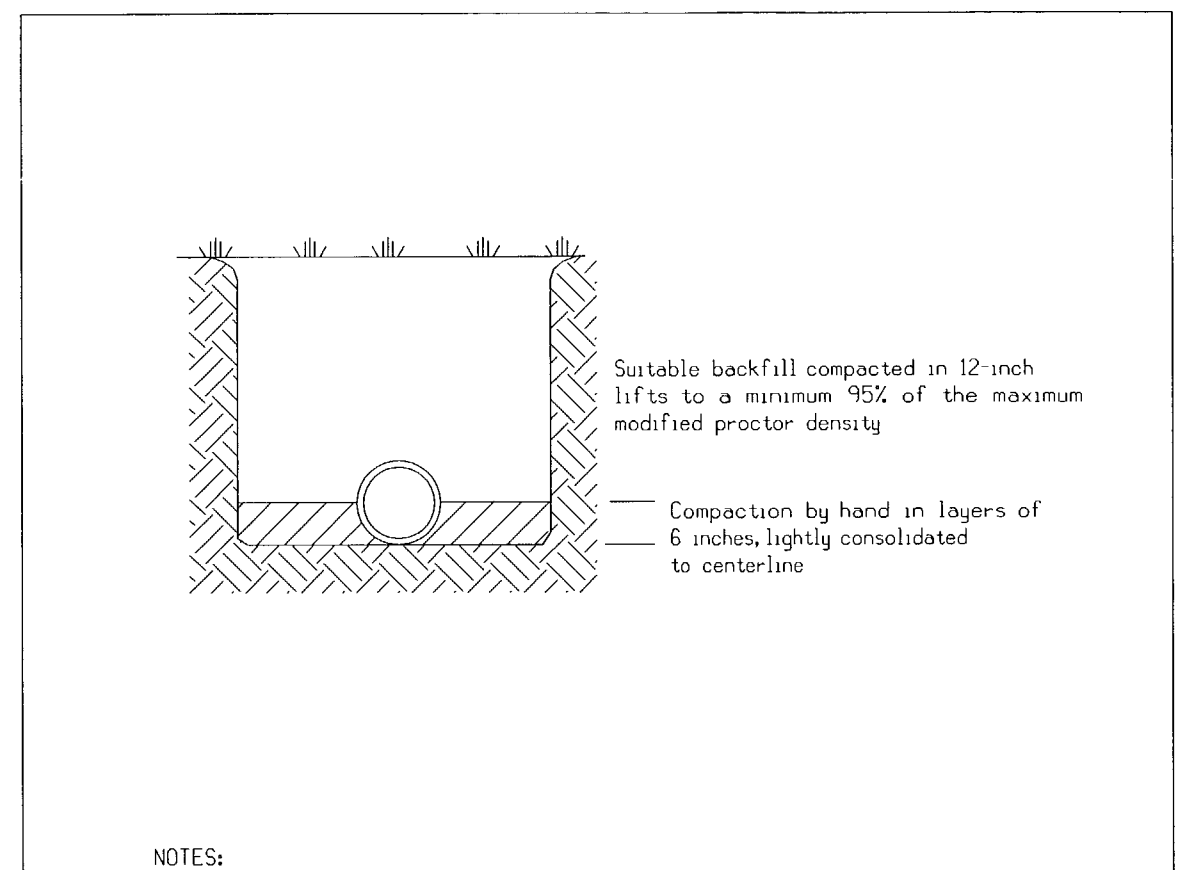
Des: CB
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 Ckd: CB

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| W.O. 4540 | File: NEBRASKA AVE. - SOUTH |
| FILE NUMBER | |
| SHEET 42 | OF 55 SHEETS |

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|----------------------------|----------|---------|----------------------------------|------|
| TAMPA WATER DEPARTMENT | APPROVED | REVISED | TRENCH CUT PAVEMENT DETAIL SHEET | 2.01 |
| | _____ | _____ | | |

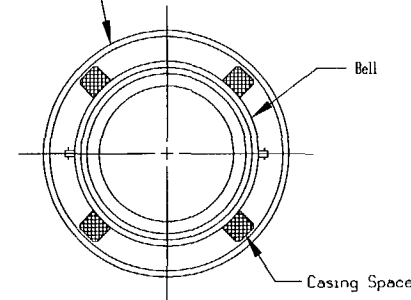
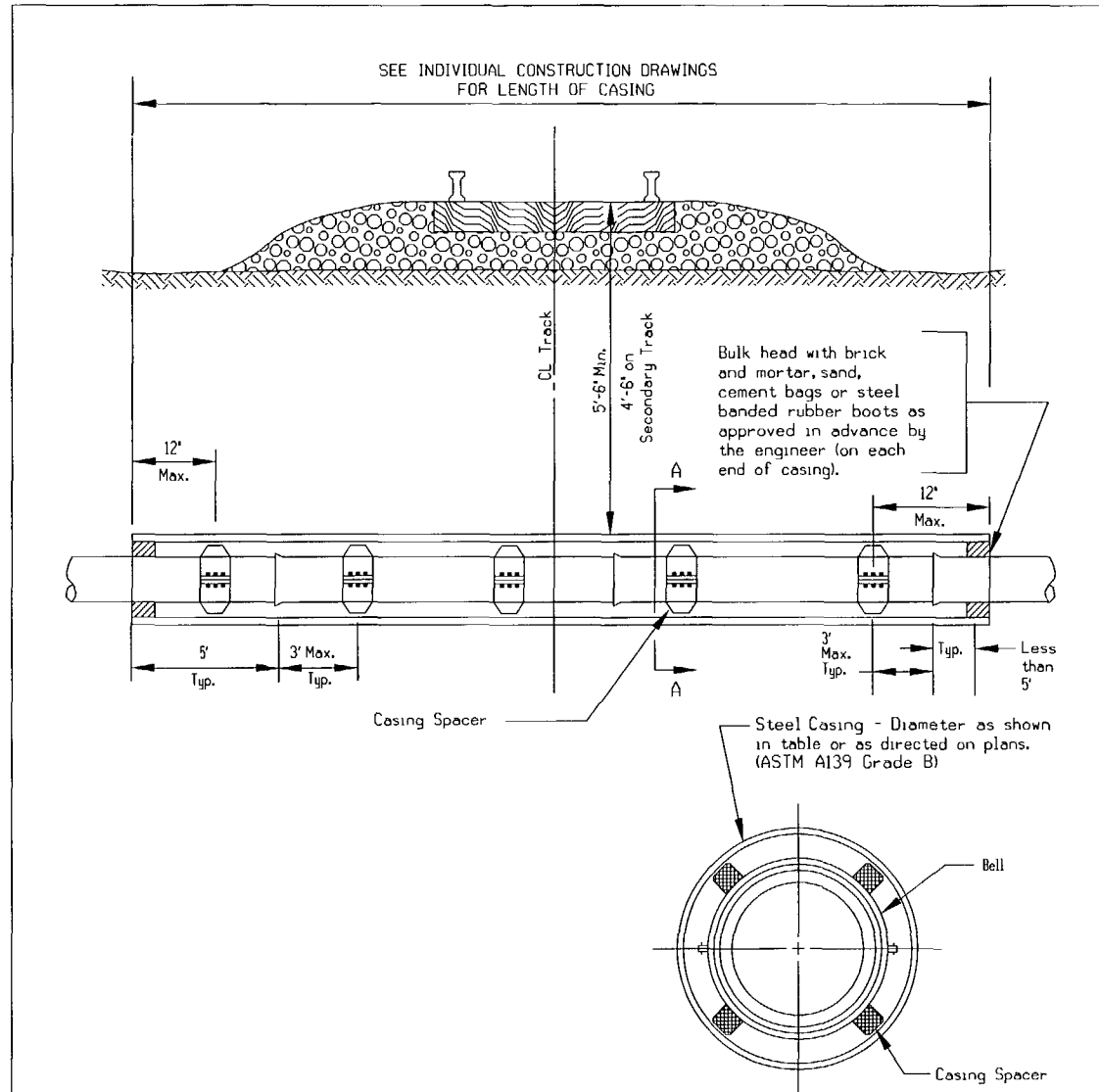


- NOTES:
- Type 2 trench is defined as a flat-bottom trench. Lightly consolidate backfill to centerline of pipe.
 - This standard shall be utilized in the absence of specific standards. The standard of the agency controlling the Right-of-Way shall govern unless otherwise directed by the Engineer.
 - Suitable backfill shall be defined as material free from cinders, ashes, refuse, clay, organic matter, boulders, rocks or stones, or other material that in the opinion of the Engineer is unsuitable.

| | | | | |
|----------------------------|----------|---------|--|------|
| TAMPA WATER DEPARTMENT | APPROVED | REVISED | TYPICAL TRENCHING, BEDDING AND BACKFILL DETAIL FOR NON-PAVED AREAS | 2.02 |
| | _____ | _____ | | |

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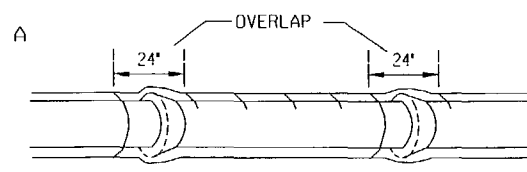


| D.I.P. Carrier Pipe (P.O.) Nominal Diameter (Inches) | Casing O.D. (Inches) | Thickness |
|--|----------------------|----------------|
| 2 | 4 | 1/4"(.250) |
| 4 | 12 | 1/4"(.250) |
| 6 | 14 | 9/32"(.28125) |
| 8 | 16 | 9/32"(.28125) |
| 12 | 20 | 11/32"(.34375) |
| 16 | 24 | 13/32"(.40625) |
| 20 | 30 | 15/32"(.46875) |
| 24 | 36 | 17/32"(.53125) |
| 30 | 42 | 5/8"(.625) |
| 36 | 48 | 11/16"(.688) |

- NOTES:
1. Pipelines with bends less than 20° from casing entrance shall be secured by both retainer glands and thrust blocks.
 2. Casing pipe sizes listed are for push-on joint carrier pipe only.
 3. Two spacers per joint minimum spaced as shown or as directed by the Engineer.

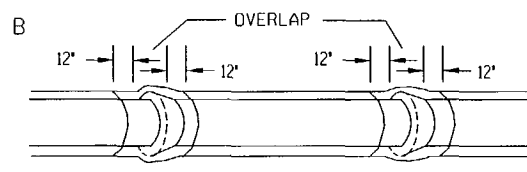
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|----------------------------|----------|------------|---|------|
| TAMPA WATER DEPARTMENT | APPROVED | REVISED | JACKING & BORING FOR RAILROAD CROSSINGS | 2.04 |
| | _____ | JMS 2-6-91 | | |

METHOD A



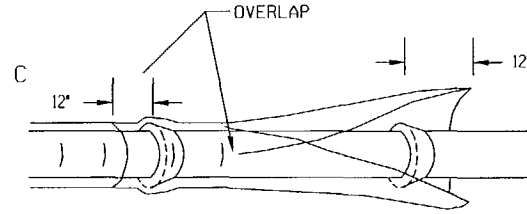
Polyethylene tube is cut into lengths approximately two feet longer than the pipe section and placed around it. After the pipe joint is assembled, the polyethylene tube is made to overlap the joint and the overlap secured in place. Since the tube is considerably larger than the barrel of pipe, it is made to fit snugly by folding over at the top and securing at quarter points along the pipe section.

METHOD B



Polyethylene tube is cut one foot shorter than the length of the pipe section. After placement of the pipe, it is folded and secured snugly overall. A three foot length of polyethylene tube placed over the end of the preceding section is then pulled in place over the joint after assembly and secured.

METHOD C



Polyethylene sheet is cut to a length two feet longer than the pipe section. The sheet is wrapped around the pipe so that it overlaps circumferentially over the top quadrant of the pipe, then secured. After joint assembly, the surplus length of polyethylene film is secured around the joint, providing an overlap of each joint. Tape at each joint or at 3' intervals in between.

- NOTES:
1. Use blue polyethylene film and tape only.
 2. Polyethylene film shall be a minimum of 8 mil. thickness.

| | | | | |
|----------------------------|----------|---------|--|------|
| TAMPA WATER DEPARTMENT | APPROVED | REVISED | INSTALLATION OF POLYETHYLENE ENCASEMENT DETAIL | 2.05 |
| | _____ | _____ | | |

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P.E. #31900

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| Des: | CB | M.O. | 4540 | File: | W853A RE-ADJUS'G |
| Dwn: | FJ | FILE NUMBER | | | |
| Ckd: | CB | SHEET | 44 | OF | 55 SHEETS |

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| RESTRAIN 'A' (LF) | | | | | | | | | |
|-------------------|----|----|-----|-----|-----|-----|-----|-----|-----|
| Fitting | 4' | 6' | 8' | 12' | 16' | 20' | 24' | 30' | 36' |
| 11-1/4" | 3 | 4 | 6 | 8 | 9 | 10 | 12 | 15 | 17 |
| 22-1/2" | 6 | 9 | 12 | 16 | 17 | 21 | 25 | 30 | 35 |
| 45" /offset | 13 | 18 | 24 | 34 | 36 | 44 | 52 | 62 | 73 |
| 90" | 31 | 44 | 58 | 82 | 87 | 106 | 125 | 151 | 176 |
| Plug/Cap | 55 | 78 | 102 | 143 | 143 | 174 | 204 | 245 | 285 |

A=Minimum footage of pipe to be restrained.

NOTES: 1. This table is based on:
a) maximum test pressure of 190 psi
b) laying condition type 2 (see Details 2.01 and 2.02)
c) poor soil conditions
d) using D.I.P.
e) 3 feet of cover for 12' and smaller mains;
4 feet of cover for 16' and larger mains
f) Horizontal bends only - Engineer to submit calculations for vertical restraints

2. For polywrapped D.I.P., multiply the footage by 1.25

3. For PVC pipe, multiply footage by 1.2.

4. Restrained pipe shall be manufactured restrained pipe, push-on restraints or mechanical joint pipe restrained by Megalug or equivalent.

5. Any additional fittings within the restrained section shall be restrained accordingly.

| | | | | |
|----------------------------|----------|---------|--|------|
| TAMPA WATER DEPARTMENT | APPROVED | REVISED | RESTRAINED JOINT STANDARD FOR BENDS, PLUGS, AND CAPS | 2.11 |
| | _____ | _____ | | |

| Fitting Size | Restrained (LF) | | Unrestrained Straight Run (LF) |
|--------------|-----------------|-------------|--------------------------------|
| | Tee 'A' | Reducer 'B' | Reducer 'C' |
| 4x4 | 25 | . | . |
| 6x4 | 11 | 40 | 59 |
| 6x6 | 48 | . | . |
| 8x4 | A.T. | 73 | 142 |
| 8x6 | 38 | 43 | 56 |
| 8x8 | 72 | . | . |
| 12x4 | A.T. | 124 | 364 |
| 12x6 | 19 | 104 | 208 |
| 12x8 | 57 | 76 | 115 |
| 12x12 | 114 | . | . |
| 16x6 | A.T. | 121 | 321 |
| 16x8 | 27 | 104 | 212 |
| 16x12 | 77 | 61 | 82 |
| 16x16 | 118 | . | . |
| 20x6 | A.T. | 156 | 527 |
| 20x8 | 14 | 144 | 369 |
| 20x12 | 68 | 109 | 186 |
| 20x16 | 111 | 61 | 77 |
| 20x20 | 149 | . | . |
| 24x6 | A.T. | 189 | 777 |
| 24x8 | A.T. | 179 | 560 |
| 24x12 | 59 | 150 | 313 |
| 24x16 | 104 | 111 | 172 |
| 24x20 | 144 | 61 | 74 |
| 24x24 | 179 | . | . |
| 30x6 | A.T. | 234 | 1227 |
| 30x8 | A.T. | 226 | 904 |
| 30x12 | 45 | 204 | 542 |
| 30x16 | 94 | 173 | 341 |
| 30x20 | 135 | 134 | 208 |
| 30x24 | 172 | 86 | 110 |
| 30x30 | 220 | . | . |
| 36x6 | A.T. | 276 | 1784 |
| 36x8 | A.T. | 269 | 1328 |
| 36x12 | 30 | 251 | 824 |
| 36x16 | 83 | 226 | 551 |
| 36x20 | 127 | 195 | 373 |
| 36x24 | 165 | 156 | 245 |
| 36x30 | 215 | 86 | 106 |
| 36x36 | 261 | . | . |

A.T.-Restrained required at Tee only.
*not applicable

NOTES: 1. This table is based on:
a) maximum test pressure of 190 psi
b) laying condition type 2 (see Details 2.01 and 2.02)
c) poor soil conditions
d) using D.I.P.
e) 3 feet of cover for 12' and smaller mains;
4 feet of cover for 16' and larger mains
f) Horizontal bends only - Engineer to submit calculations for vertical restraints

2. For polywrapped D.I.P., multiply the footage by 1.25

3. For PVC pipe multiply footage by 1.2.

4. Restrained pipe shall be manufactured restrained pipe, push-on restraint or mechanical joint pipe restrained by Megalug or equivalent.

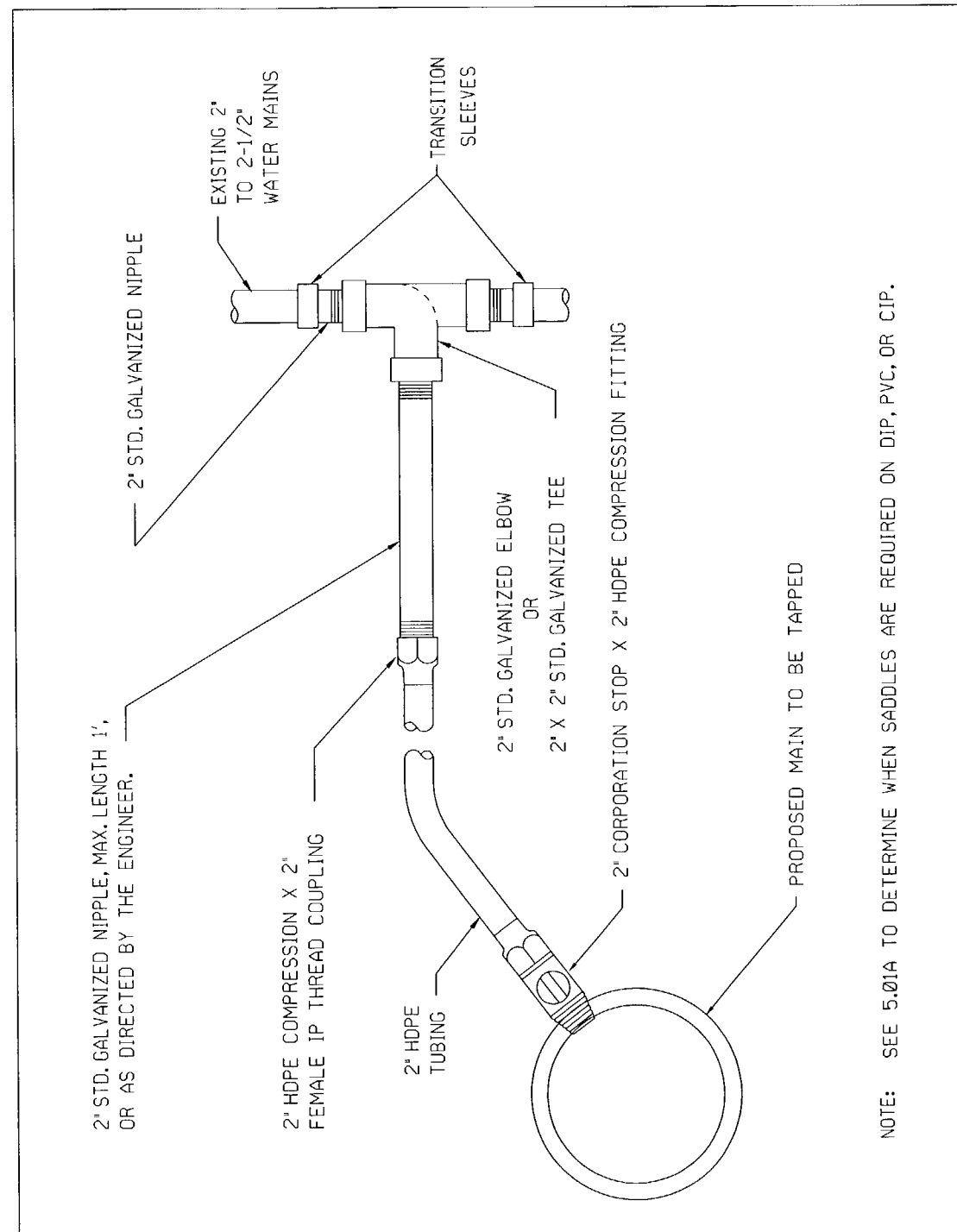
5. Any additional fittings within the restrained section shall be restrained accordingly.

6. For Reducers: If 'C' straight run of pipe downstream of reducer not available, then restrain 'B' upstream of reducer.

| | | | | |
|----------------------------|----------|---------|---|------|
| TAMPA WATER DEPARTMENT | APPROVED | REVISED | RESTRAINED JOINT STANDARD FOR TEES AND REDUCERS | 2.12 |
| | _____ | _____ | | |

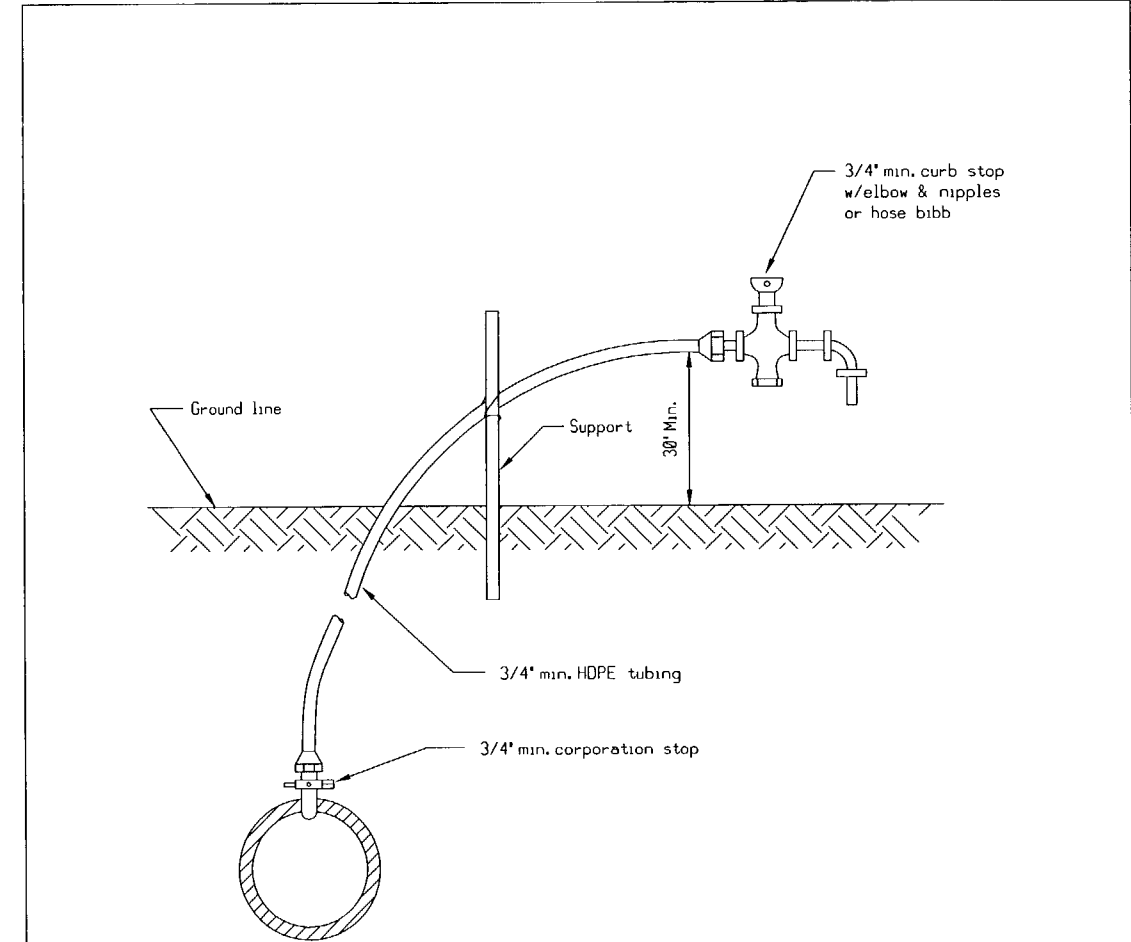
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| 255853-1-56-01 | | | U - 46 |



NOTE: SEE 5.01A TO DETERMINE WHEN SADDLES ARE REQUIRED ON DIP, PVC, OR CIP.

| | | | | |
|----------------------------|----------|---------|---|-------|
| TAMPA WATER DEPARTMENT | APPROVED | REVISED | TAPPED CONNECTION FOR 2" THRU 2-1/2" WATER MAINS | 2.13A |
| | _____ | _____ | | |

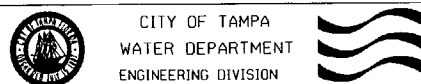


Notes:

1. Water outlet shall be held up off the ground so as not to interfere with the sampling process.
2. Corporation stop to be removed and plugged after operation.

| | | | | |
|----------------------------|----------|---------|---|-------|
| TAMPA WATER DEPARTMENT | APPROVED | REVISED | TEMPORARY SAMPLE TAP INSTALLATION w/DI, CI, OR PVC PIPE | 2.17A |
| | _____ | _____ | | |

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 TAMPA, FLA. 33602
 P.E. #31900



CITY OF TAMPA
 WATER DEPARTMENT
 ENGINEERING DIVISION

MAIN RELOCATION

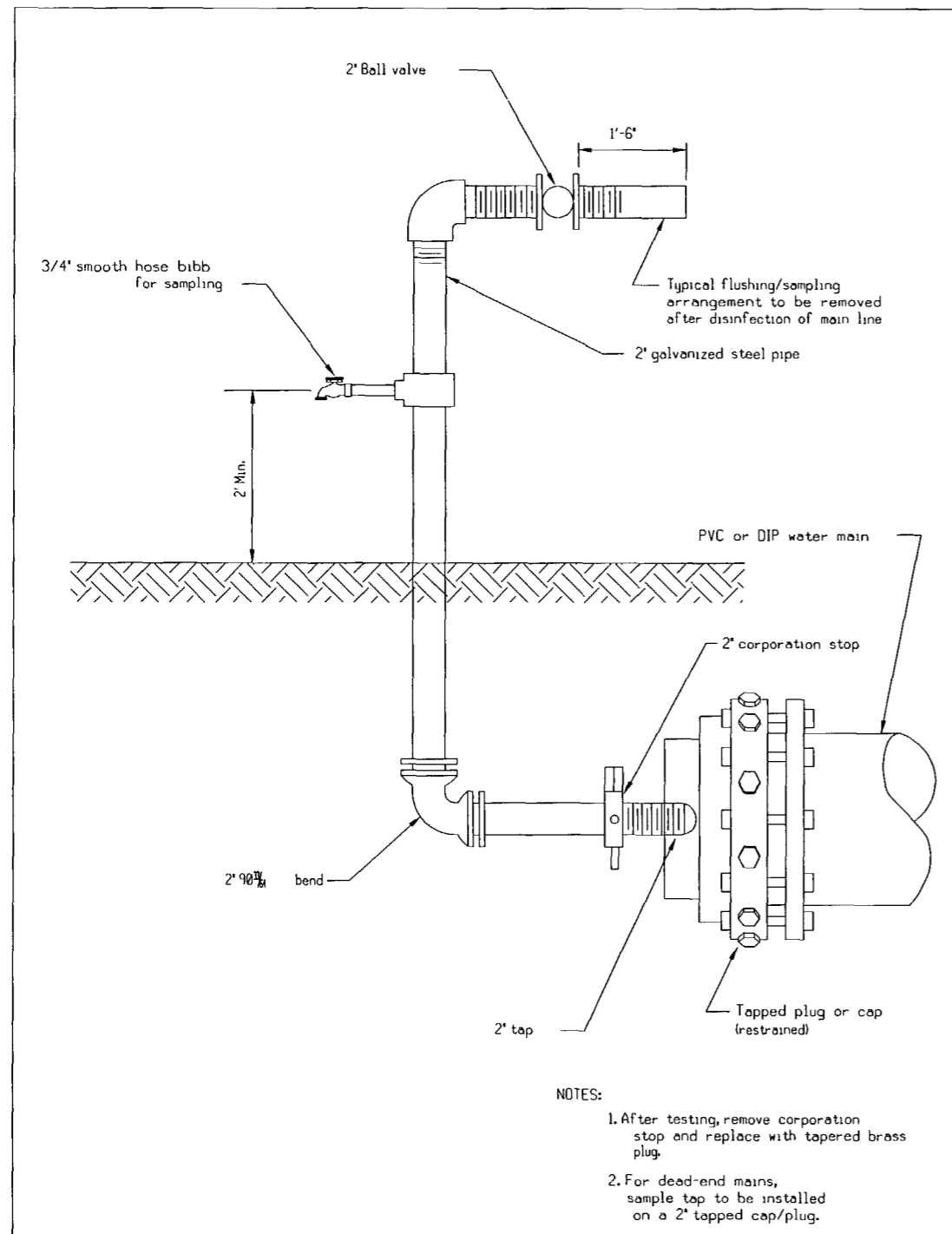
S.R. 45 FROM KENNEDY BLVD. TO HILLSBOROUGH AVE.

DETAILS

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| No. | Date | REVISION | By | Des: | CB | W.O. | 4540 | File: | NEWBORN ACQUISITION |
| Approved | | | | Draw: | FJ | FILE NUMBER | | | |
| Date | | | | Ckd: | CB | SHEET | 46 | OF | 55 SHEETS |

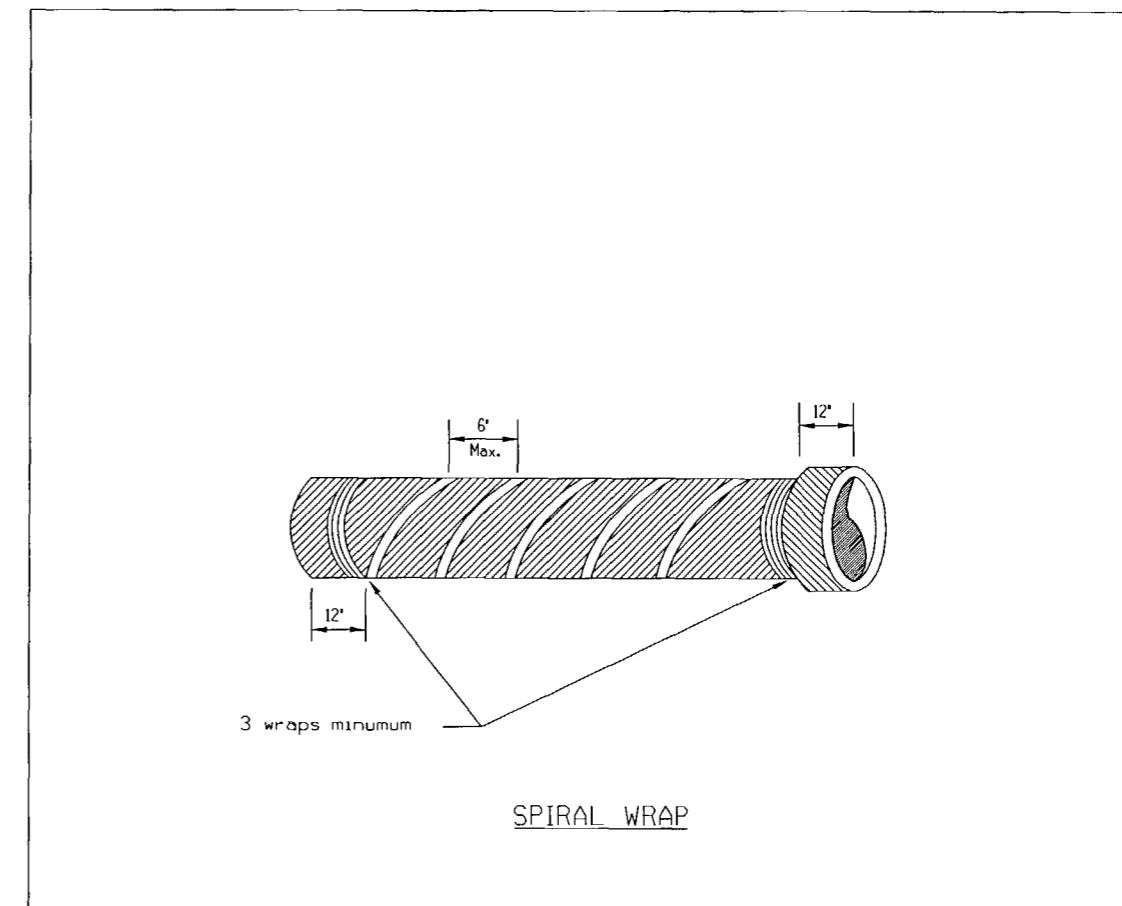
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| UHWCA | FINANCIAL PROJECT ID | STATE PROJ. NO. | SHEET NO. |
| 255853-1-56-01 | | | U - 47 |



- NOTES:
1. After testing, remove corporation stop and replace with tapered brass plug.
 2. For dead-end mains, sample tap to be installed on a 2" tapped cap/plug.

| | | | | |
|----------------------------|----------|---------|--|-------|
| TAMPA WATER DEPARTMENT | APPROVED | REVISED | TEMPORARY SAMPLE TAP INSTALLATION FOR END OF LINE w/DI, CI OR PVC PIPE | 2.18A |
| | _____ | _____ | | |



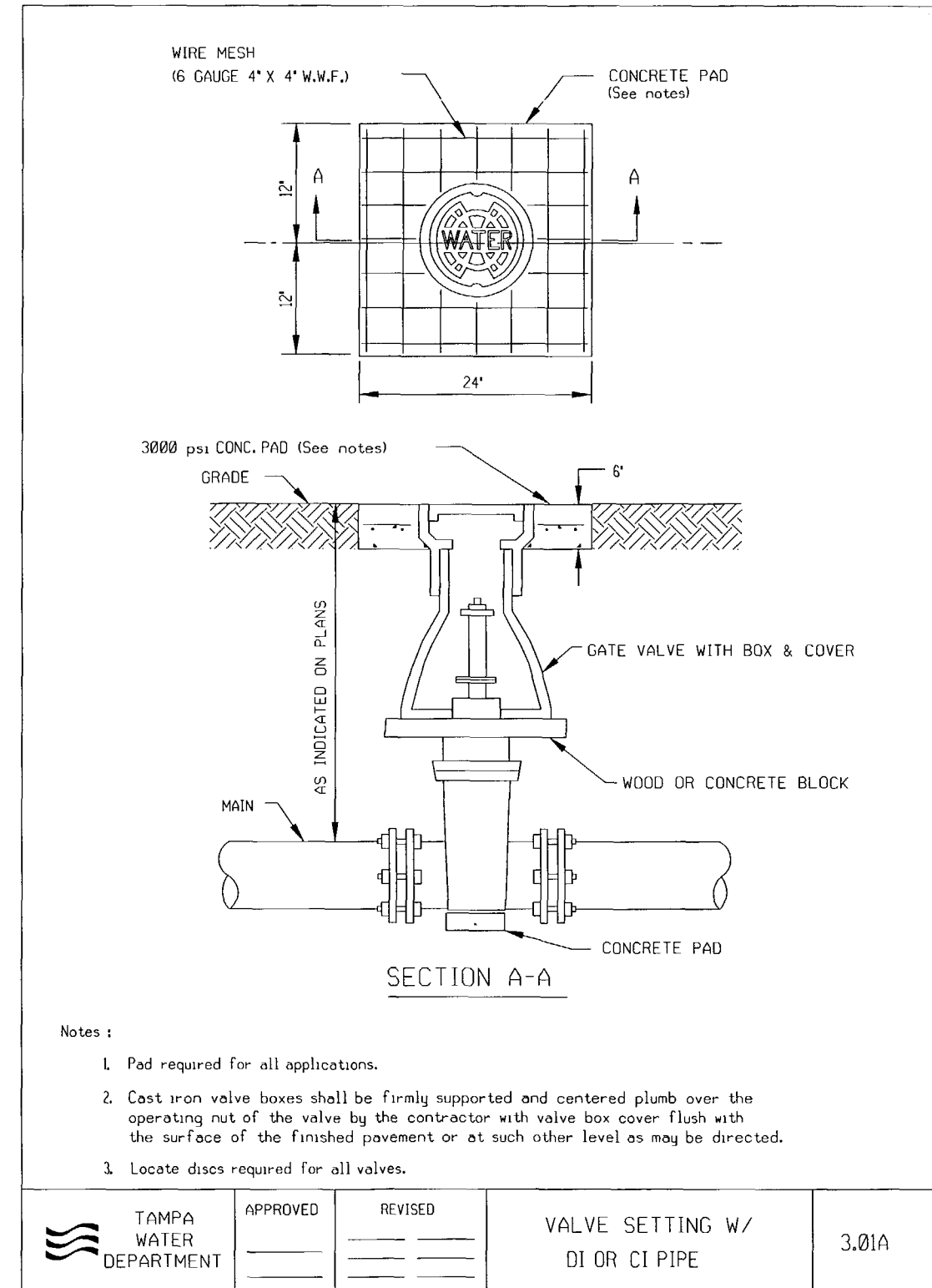
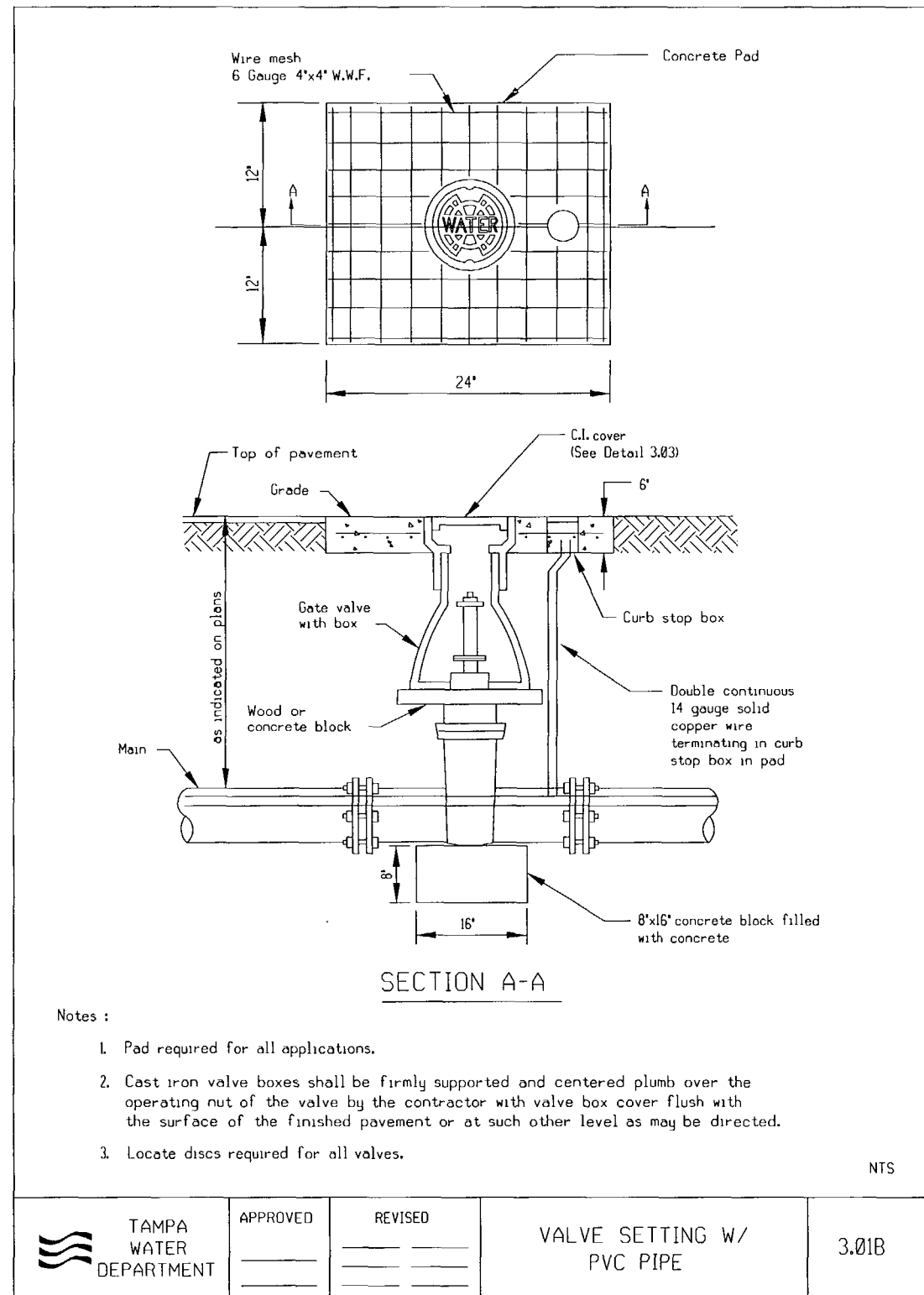
- NOTES:
1. To ensure proper adhesion, each pipe run shall be wrapped with a continuous run of tape.
 2. All tape shall be min. 2" blue vinyl tape for potable water.

| | | | | |
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| TAMPA WATER DEPARTMENT | APPROVED | REVISED | DUCTILE IRON PIPE IDENTIFICATION DETAIL | 2.19 |
| | _____ | _____ | | |

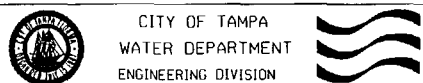
CHRIS BARQUIN, P.E.
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306 E. JACKSON ST., SE
TAMPA, FLA. 33602
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| 255853-1-56-01 | | | U - 48 |



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TAMPA, FLA. 33602
P.E. #31900



CITY OF TAMPA
WATER DEPARTMENT
ENGINEERING DIVISION

MAIN RELOCATION

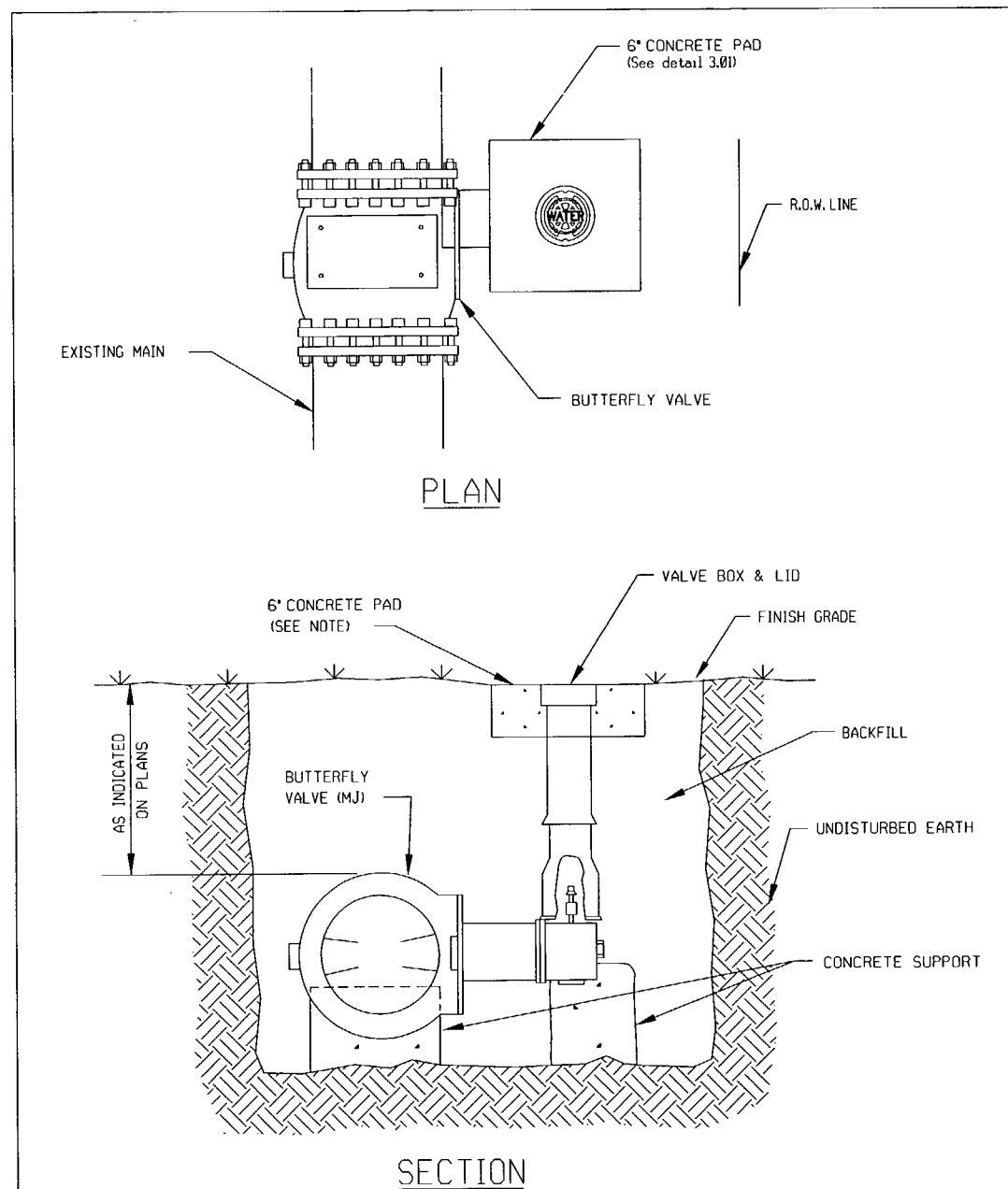
S.R. 45 FROM KENNEDY BL. VD. TO HILLSBOROUGH AVE.

DETAILS

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| | | | | | | | | | | |
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| | | | | | | | | Approved Date | SHEET 48 | OF 55 SHEETS |

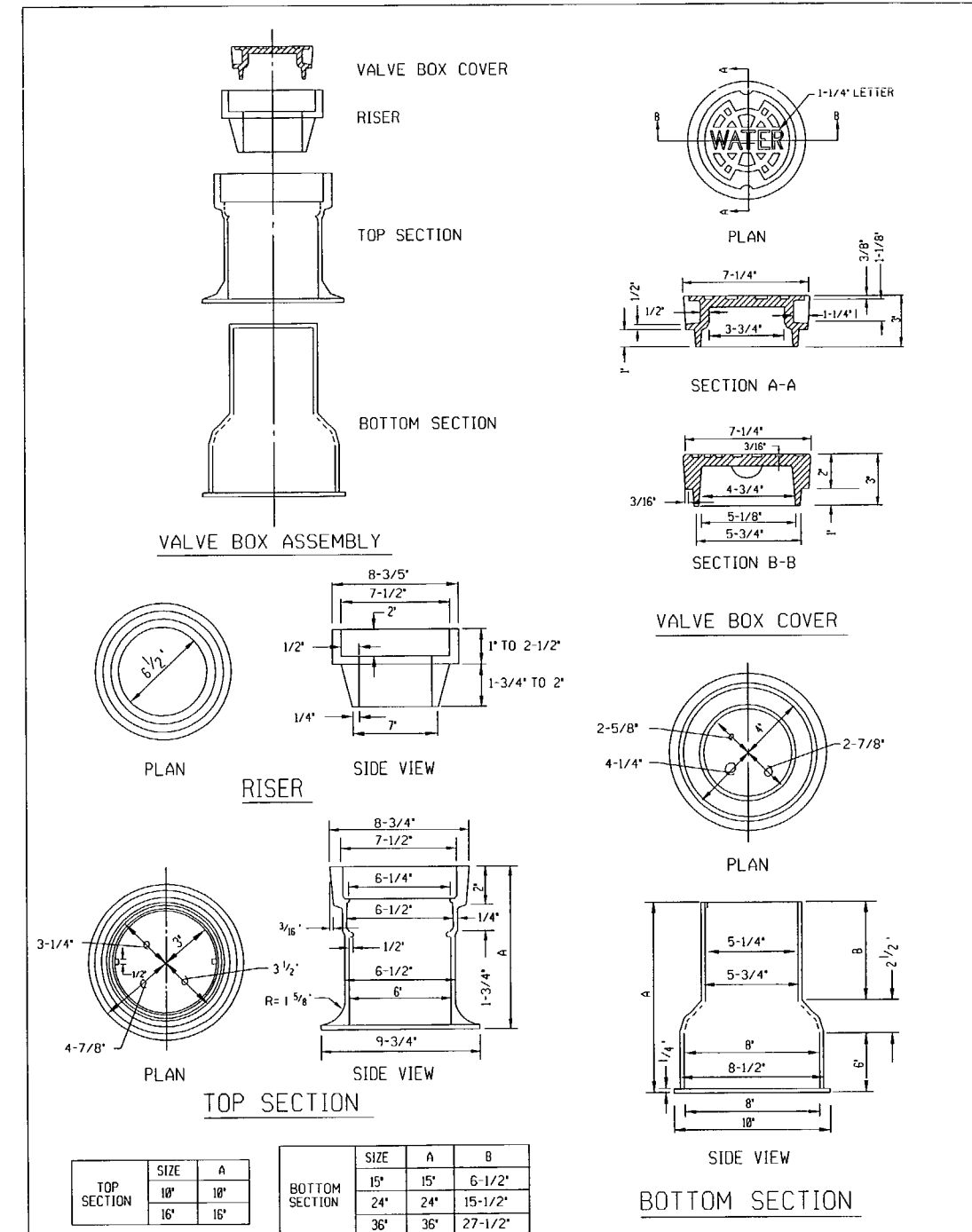
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| UHWCA | FINANCIAL PROJECT ID | STATE PROJ. NO. | SHEET NO. |
| 255853-1-56-01 | | | U - 49 |



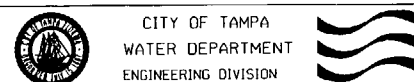
NOTE: 1. If directed by the Engineer, concrete pads and concrete supports shall be furnished with valve assembly as specified in detail above.
 2. Orient valve so operator is placed on the side of the pipe nearest the right-of-way line.

| | | | | |
|----------------------------|----------|---------|---|------|
| TAMPA WATER DEPARTMENT | APPROVED | REVISED | TYPICAL BUTTERFLY VALVE, VALVE BOX AND PAD INSTALLATION | 3.02 |
| | _____ | _____ | | |



| | | | | |
|----------------------------|----------|---------|-----------|------|
| TAMPA WATER DEPARTMENT | APPROVED | REVISED | VALVE BOX | 3.03 |
| | _____ | _____ | | |

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 TAMPA, FLA. 33602
 P.E. #31908



MAIN RELOCATION

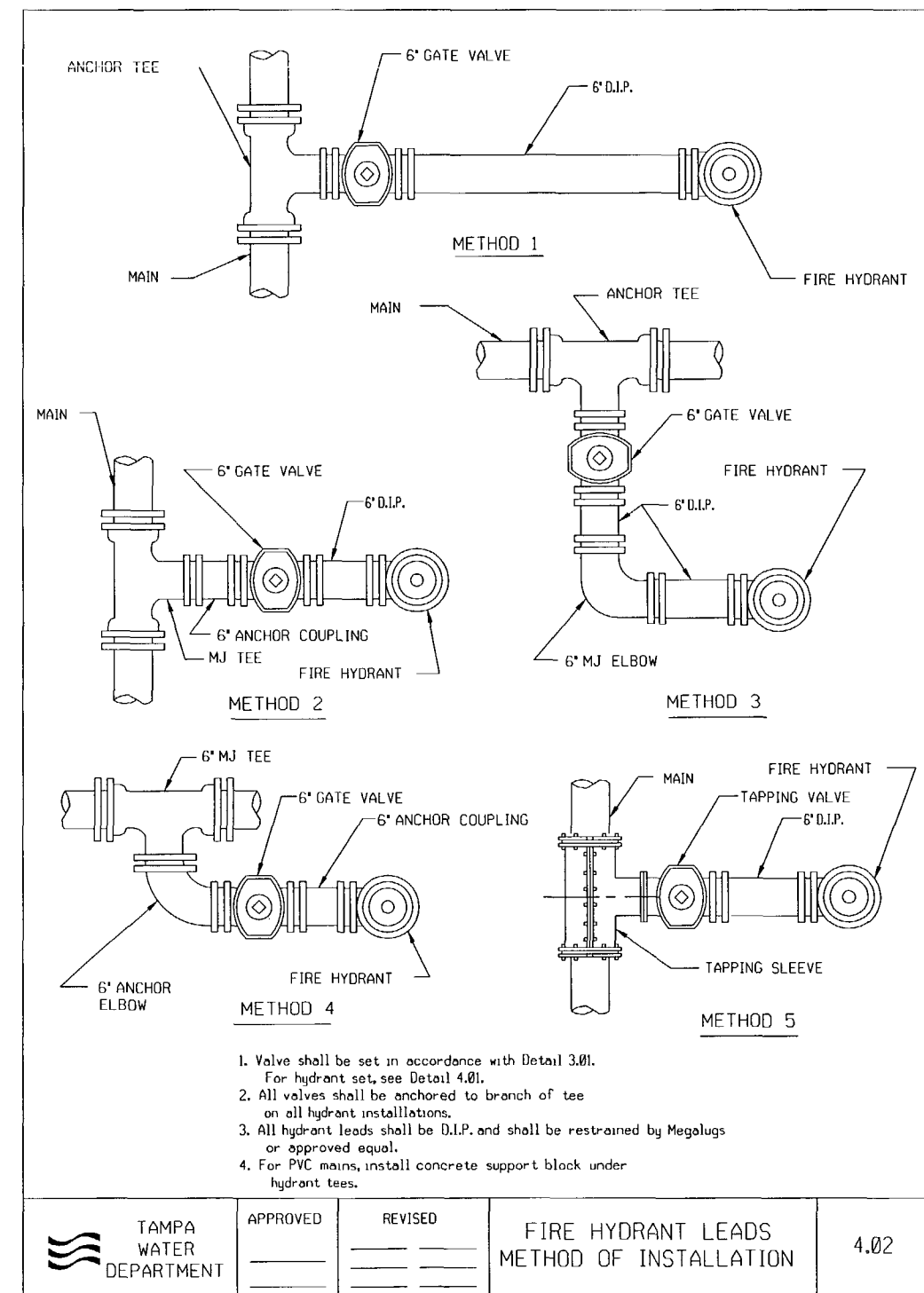
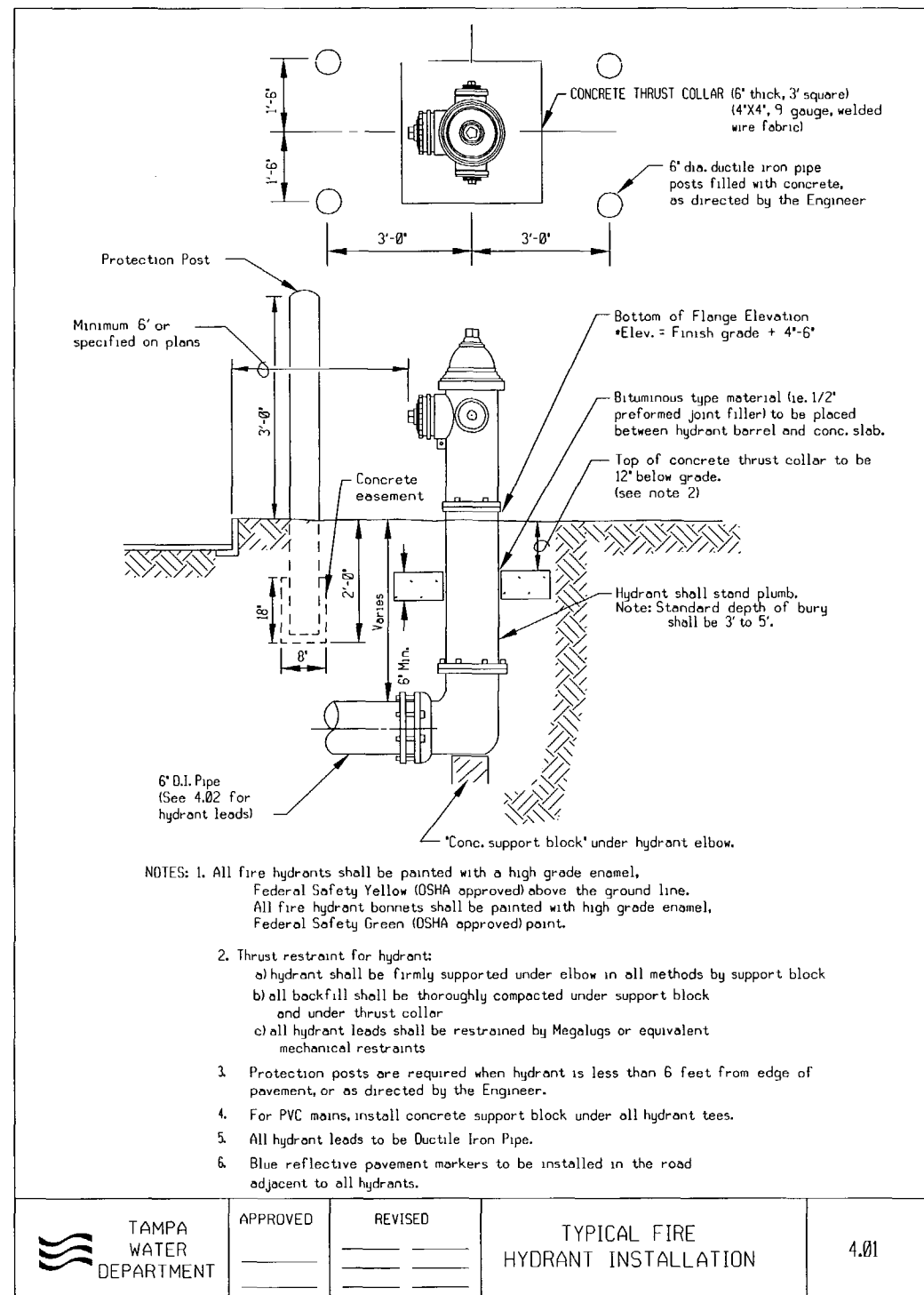
S.R. 45 FROM KENNEDY BL. TO HILLSBOROUGH AVE.

DETAILS

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| No. | Date | REVISION | By | Des: | CB | W.D. | 4540 | File: | WPSHA 06/01/03 |
| Approved | Date | | | Dwn: | FJ | | | | FILE NUMBER |
| | | | | Ckd: | CB | | | | SHEET 49 OF 55 SHEETS |

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| 255853-1-56-01 | | | U-50 |



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P.E. #31900



CITY OF TAMPA
WATER DEPARTMENT
ENGINEERING DIVISION



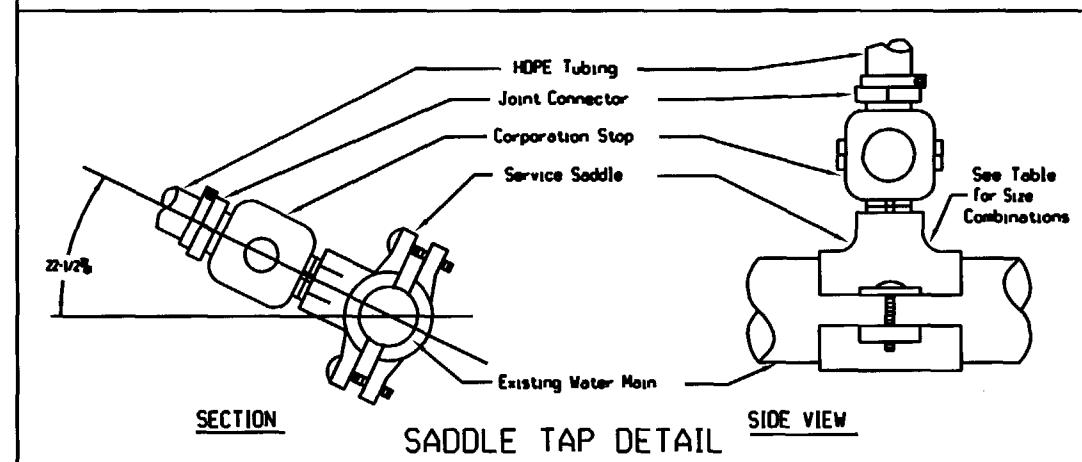
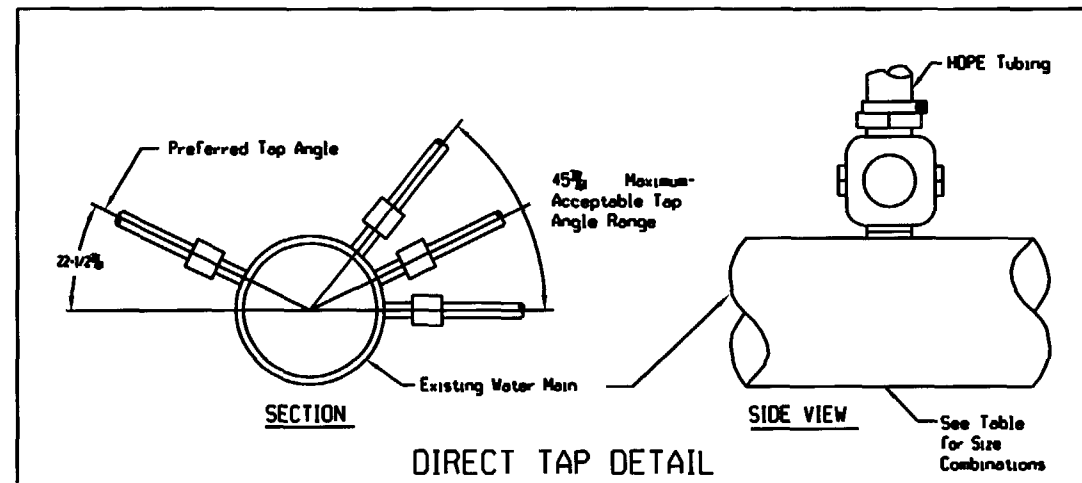
MAIN RELOCATION

S.R. 45 FROM KENNEDY BLVD. TO HILLSBOROUGH AVE.

DETAILS

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|----------|-------|-----------------------|------|-------|-------------------|
| Des: | CB | W.D. | 4540 | File: | KEITHA REJALIS/SD |
| By: | FJ | FILE NUMBER | | | |
| Approved | _____ | SHEET 50 OF 55 SHEETS | | | |
| Date | _____ | | | | |

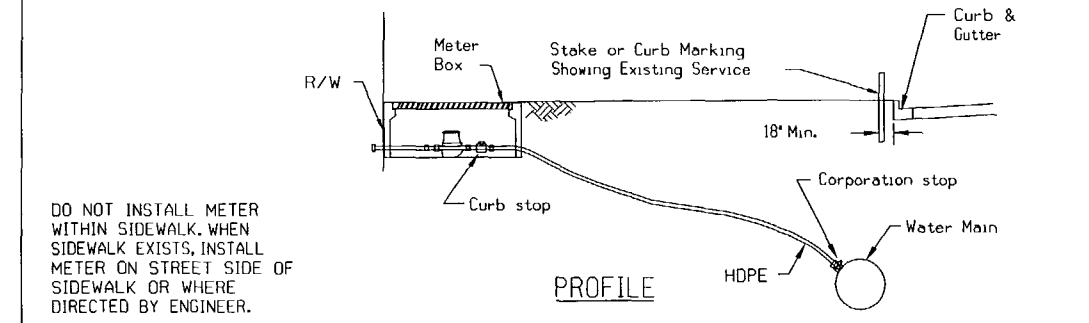
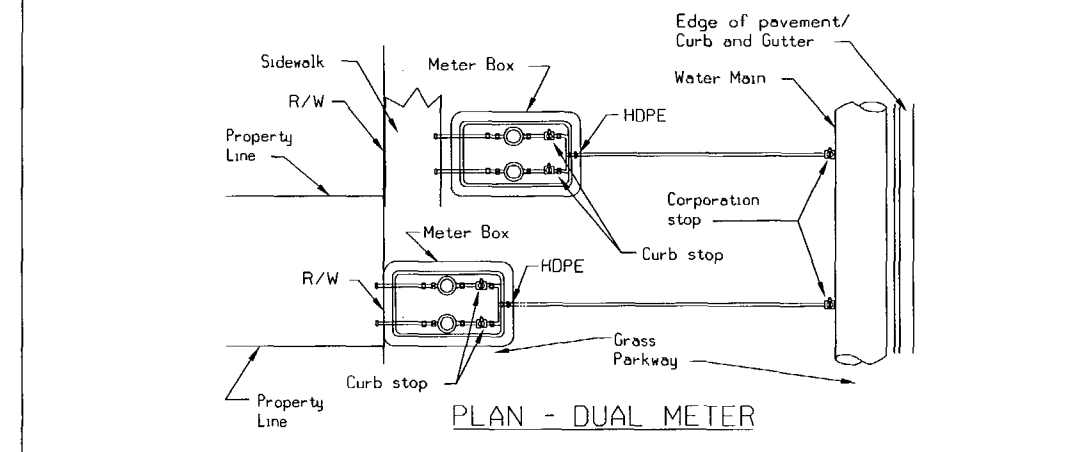
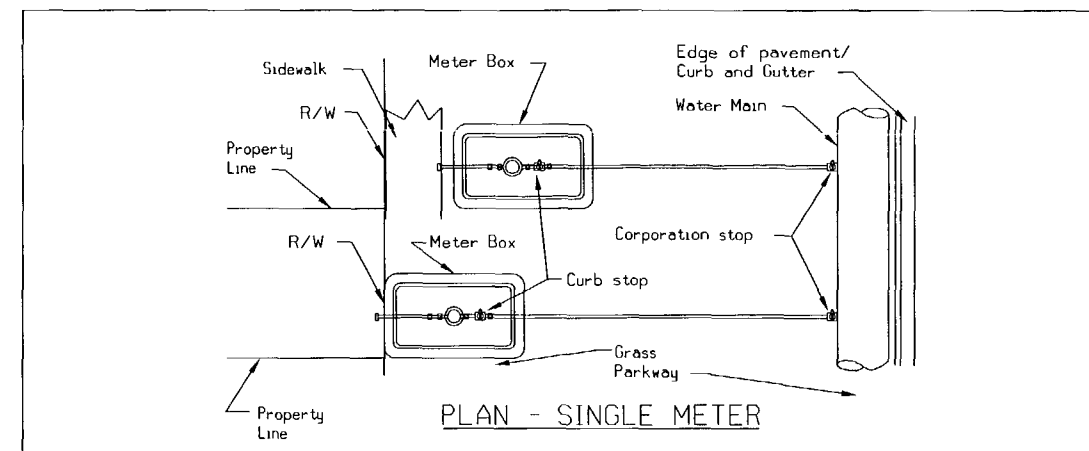
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| PIPE | SIZE | CORPORATION TAP SIZE | |
|--------|-----------|----------------------|----|
| | | 1" | 2" |
| DI/CI | 12" | DT | DT |
| | 8" | DT | SS |
| | 6" | DT | SS |
| | 4" | SS | SS |
| PVC | 2'-2-1/2' | SS | NA |
| | 8' C-900 | SS | SS |
| | 6' C-900 | SS | SS |
| | 2'-SDR21 | SS | NA |
| OTHER* | 12" | SS | SS |
| | 8" | SS | SS |
| | 6" | SS | SS |
| | 4" | SS | NA |
| | 2'-2-1/2' | SS | NA |

LEGEND
DT- Direct Tap Can be Allowed
SS- Service Saddle is Required
NA- Not Allowed
*Asbestos Cement, Steel, Galvanized Iron Pipe, Non Std PVC, etc.

| | | | | |
|----------------------------|----------|----------|---|--------------|
| TAMPA WATER DEPARTMENT | APPROVED | REVISION | TAPPING DETAIL FOR 1" & 2" SERVICE W/ DI, CI OR PVC PIPE | 5.01A |
| | _____ | _____ | | |

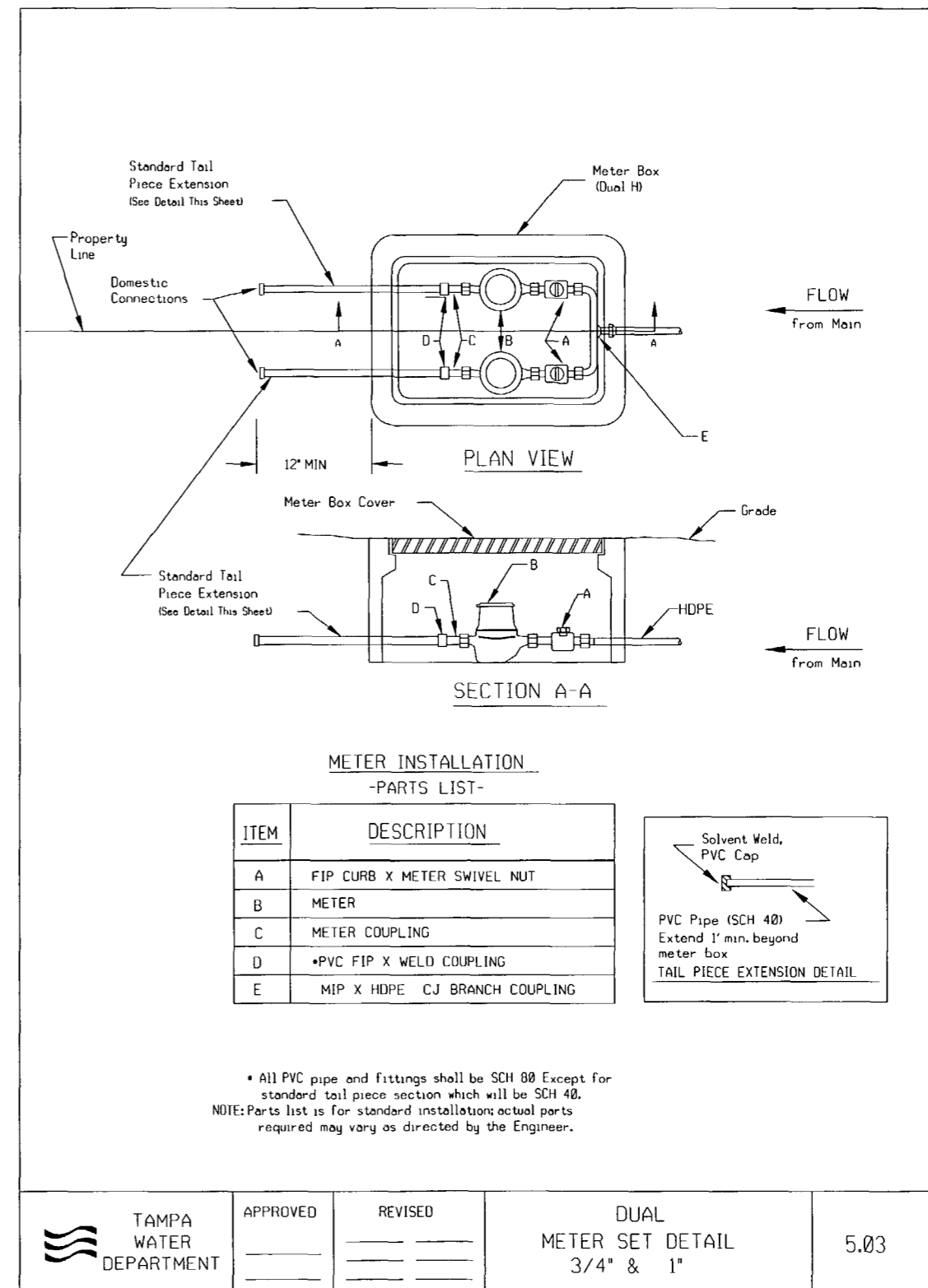
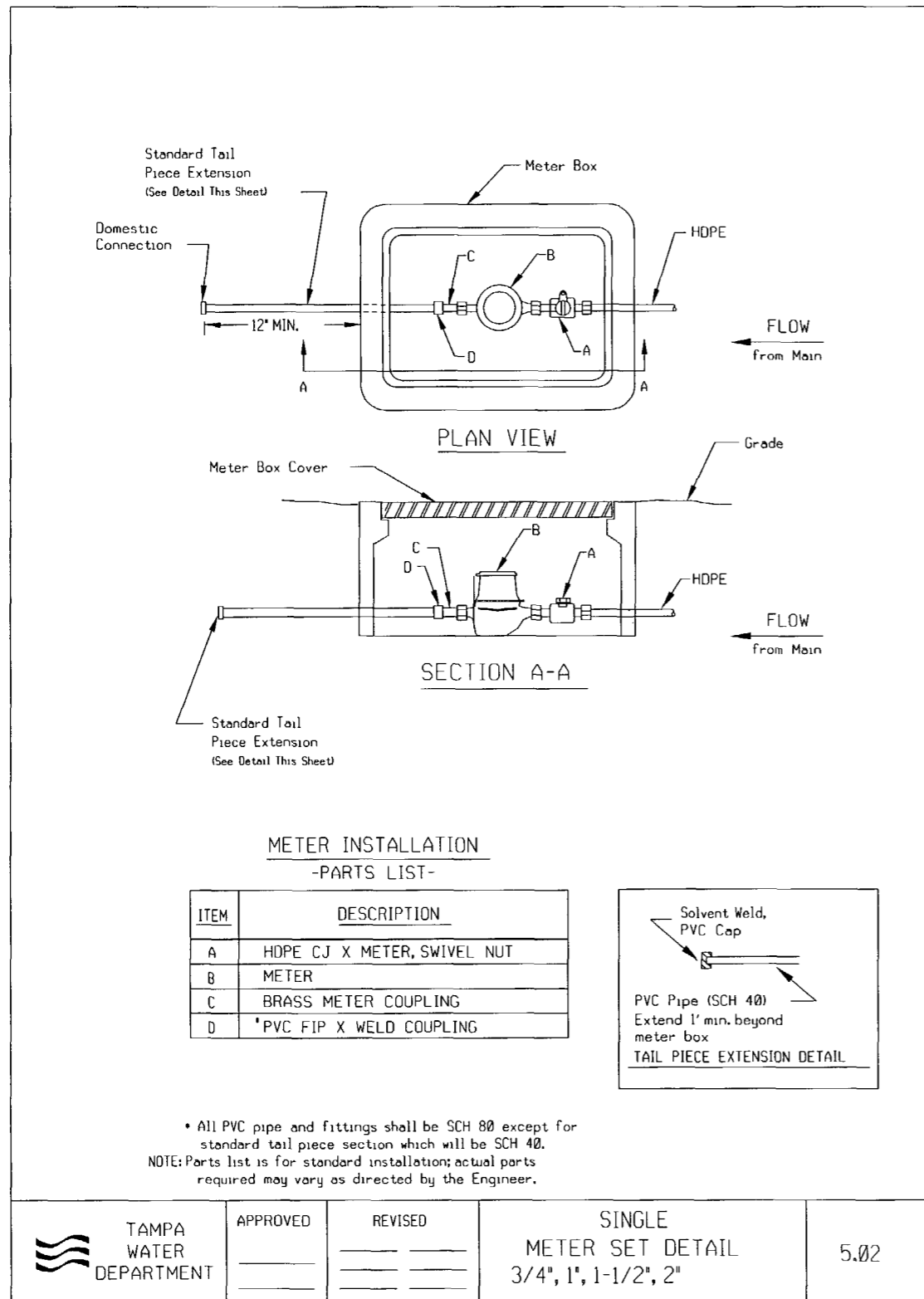


| SINGLE METER SIZE (inches) | SERVICE LINE SIZE (inches) (Ø-15') | DUAL METER SIZE (inches) | SERVICE LINE SIZE (inches) (Ø-15') |
|----------------------------|------------------------------------|--------------------------|------------------------------------|
| 3/4 | 1 | 3/4 | 2 |
| 1 | 1 | 1 | 2 |
| 1-1/2 | 2 | 1-1/2 | N/A |
| 2 | 2 | 2 | N/A |

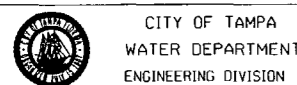
| | | | | |
|----------------------------|----------|----------|---|--------------|
| TAMPA WATER DEPARTMENT | APPROVED | REVISION | SINGLE & DUAL METERED SERVICE - SHORT SIDE 3/4", 1", 1-1/2" AND 2" W/DI, CI OR PVC PIPE | 5.04A |
| | _____ | _____ | | |

CHRIS BARQUIN, P.E.
CITY OF TAMPA WATER DEPT.
306 E. JACKSON ST., SE
TAMPA, FLA. 33602
P.E. #31900

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CHRIS BARQUIN, P.E.
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306 E. JACKSON ST., 5E
TAMPA, FLA. 33602
P.E. #31980



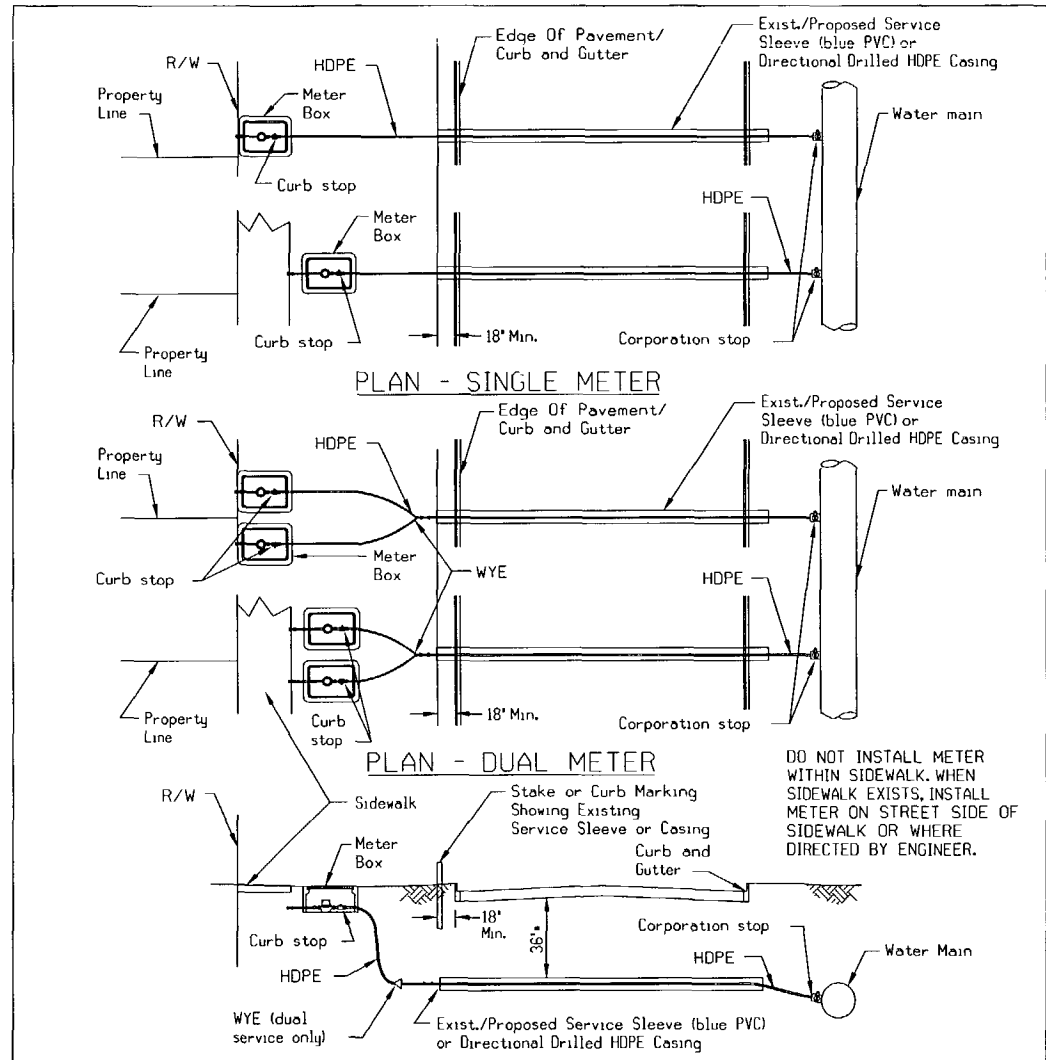
MAIN RELOCATION

S.R. 45 FROM KENNEDY BLVD. TO HILLSBOROUGH AVE.

DETAILS

| | | | | | | |
|----------|------|----------|----|---------|-------------|--------------------------|
| No. | Date | REVISION | By | Des: CB | W.O. 4540 | Files: NEWNA RECALCULADO |
| Approved | Date | | | Ums: FJ | FILE NUMBER | |
| | | | | Ckd: CB | SHEET 52 | OF 55 SHEETS |

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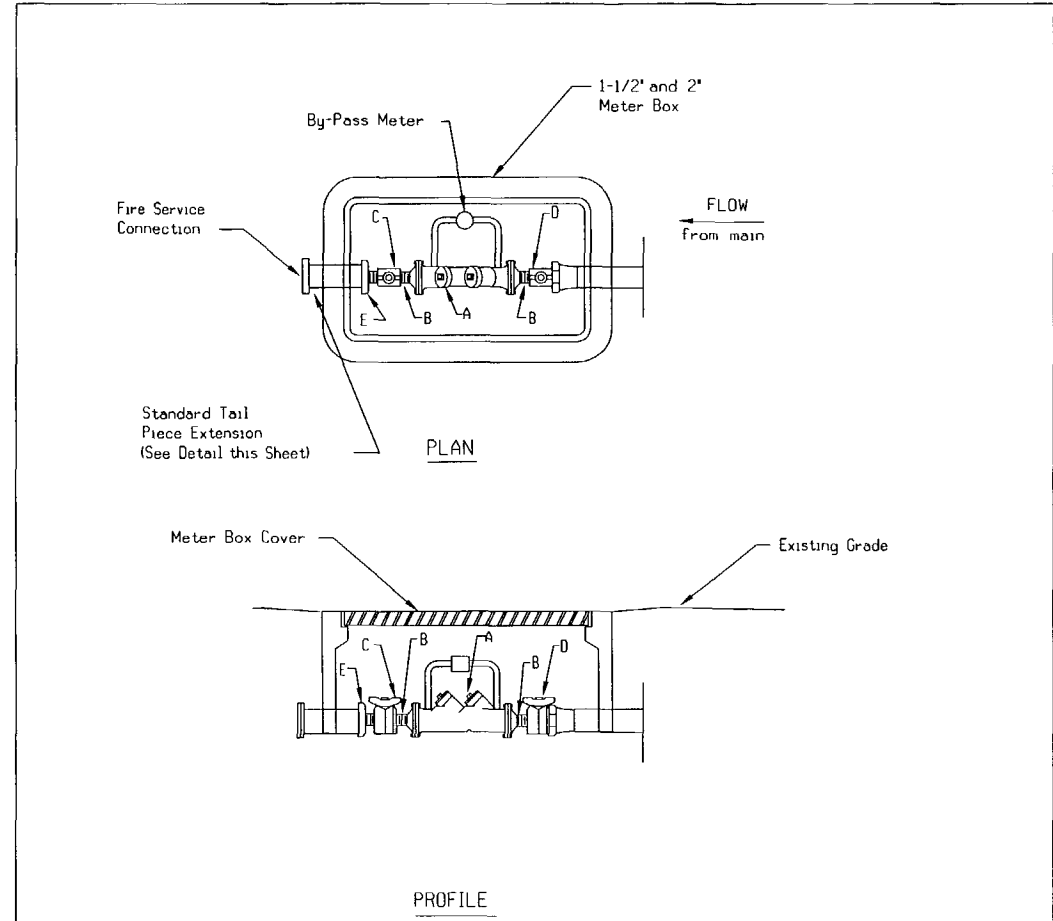


CASING SPECIFICATION:

1. If pushed-SCH 40 steel pipe (min.)
 2. If layed in open trench-SCH 40 steel pipe or SCH 80 PVC solvent weld pipe.
- *36" min. or greater if required by appropriate agency.
 **These line size requirements are also for 2" D.D.C.V.s

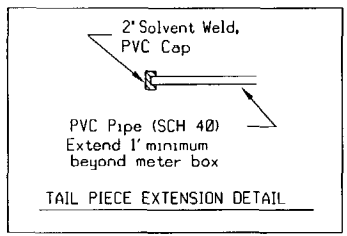
| SINGLE METER SIZE (inches) | SERVICE LINE SIZE (inches) (15'-80') | SERVICE LINE SIZE (inches) (80'-150') | CASING SIZE (inches) | DUAL METER SIZE (inches) | SERVICE LINE SIZE (inches) (15'-80') | SERVICE LINE SIZE (inches) (80'-150') | CASING SIZE (inches) |
|----------------------------|--------------------------------------|---------------------------------------|----------------------|--------------------------|--------------------------------------|---------------------------------------|----------------------|
| 3/4 | 1 | 2 | 2 | 3/4 | 2 | 2 | 4 |
| 1 | 2 | 2 | 4 | 1 | 2 | 4" O.I.P. | 4 |
| 1-1/2 | 2 | 2 | 4 | 1-1/2 | N/A | N/A | N/A |
| 2** | 4" O.I.P. | 4" O.I.P. | 12 | 2 | N/A | N/A | N/A |

| | | | | |
|----------------------------|----------|----------|--|-------|
| TAMPA WATER DEPARTMENT | APPROVED | REVISION | SINGLE & DUAL METERED SERVICE - LONG SIDE 3/4", 1", 1-1/2" AND 2" W/DI, CI OR PVC PIPE | 5.05A |
| | _____ | _____ | | |



D.D.C.V. INSTALLATION - PARTS LIST

| ITEM | DESCRIPTION |
|------|-----------------------------------|
| A | 2" DOUBLE DETECTOR CHECK VALVE |
| B | 2" CLOSE NIPPLE |
| C | 2" CURB STOP FIP X FIP |
| D | 2" CURB STOP FIP X CC |
| E | 2" SCH 40 PVC MIP X WELD COUPLING |



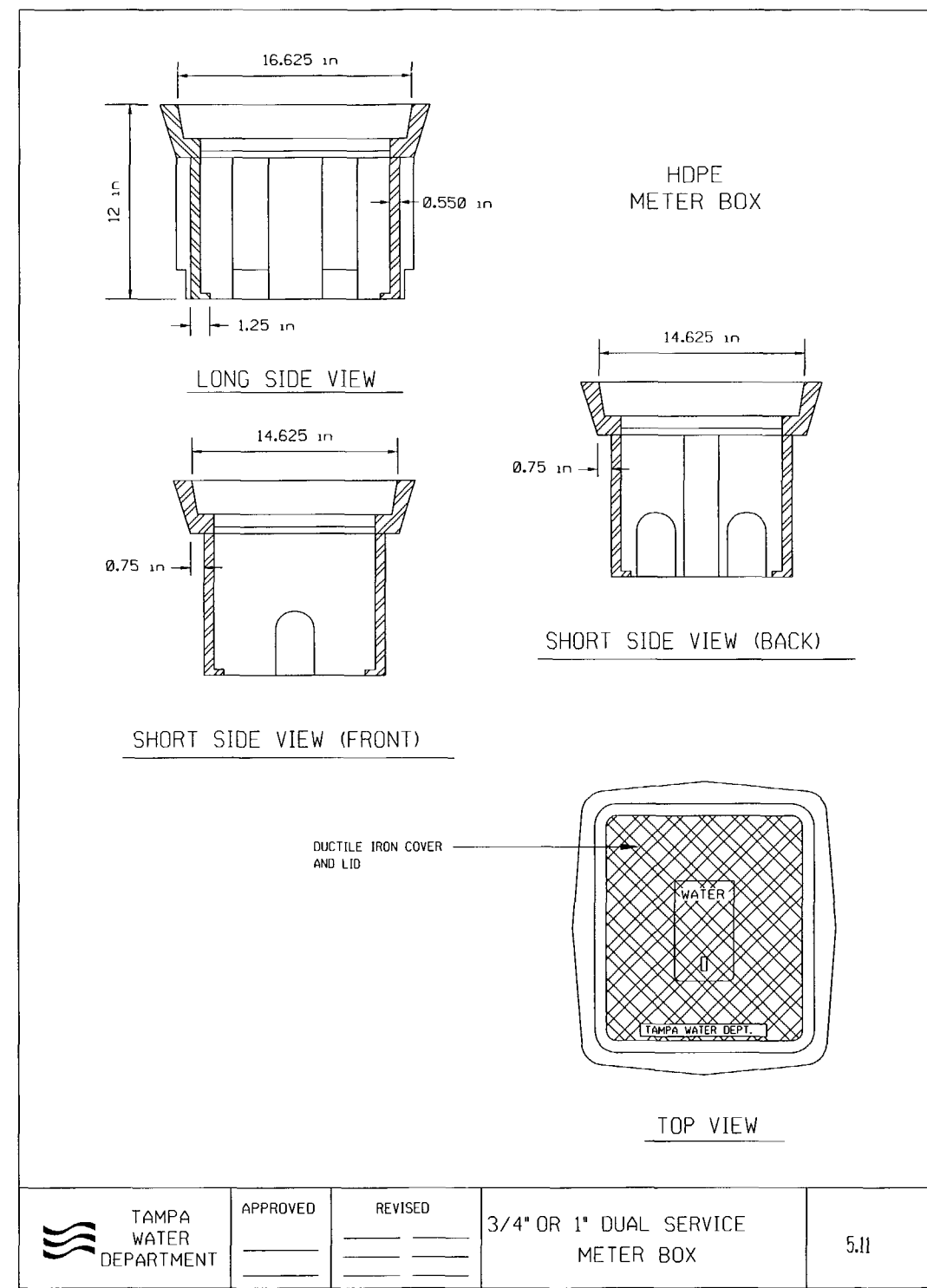
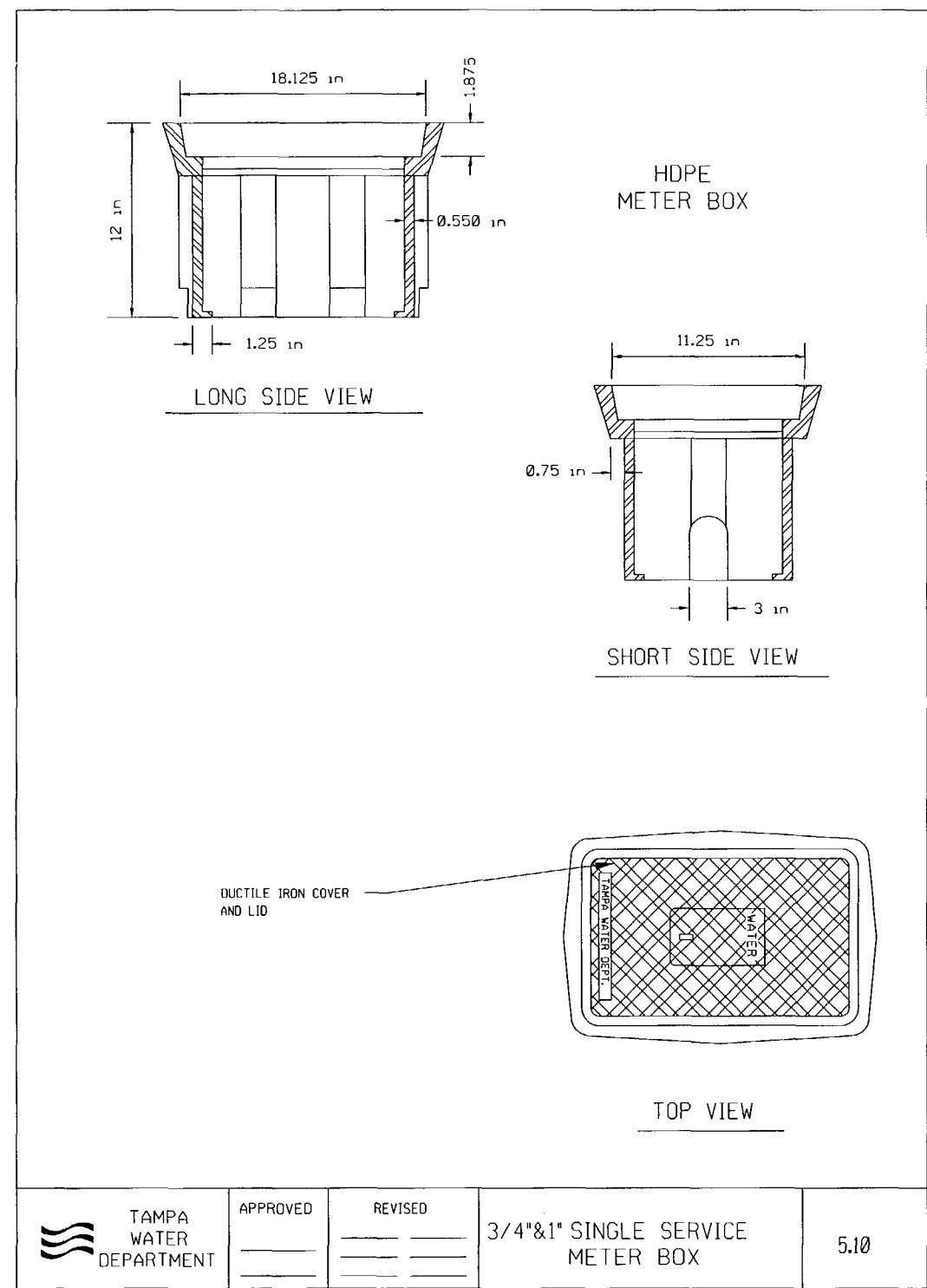
NOTE: Parts list is for standard installation; actual parts required may vary as directed by the Engineer.

| | | | | |
|----------------------------|----------|----------|--|------|
| TAMPA WATER DEPARTMENT | APPROVED | REVISION | 2" DOUBLE DETECTOR CHECK VALVE ASSEMBLY IN METER BOX | 5.09 |
| | _____ | _____ | | |

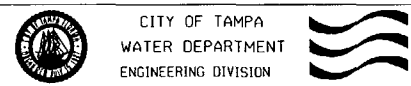
CHRIS BARQUIN, P.E.
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 306 E. JACKSON ST., SE
 TAMPA, FLA. 33602
 P.E. #31780

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| | | | |
|----------------|----------------------|-----------------|-----------|
| UHWCA | FINANCIAL PROJECT ID | STATE PROJ. NO. | SHEET NO. |
| 255853-1-56-01 | | | U - 54 |



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P.E. #31908



MAIN RELOCATION

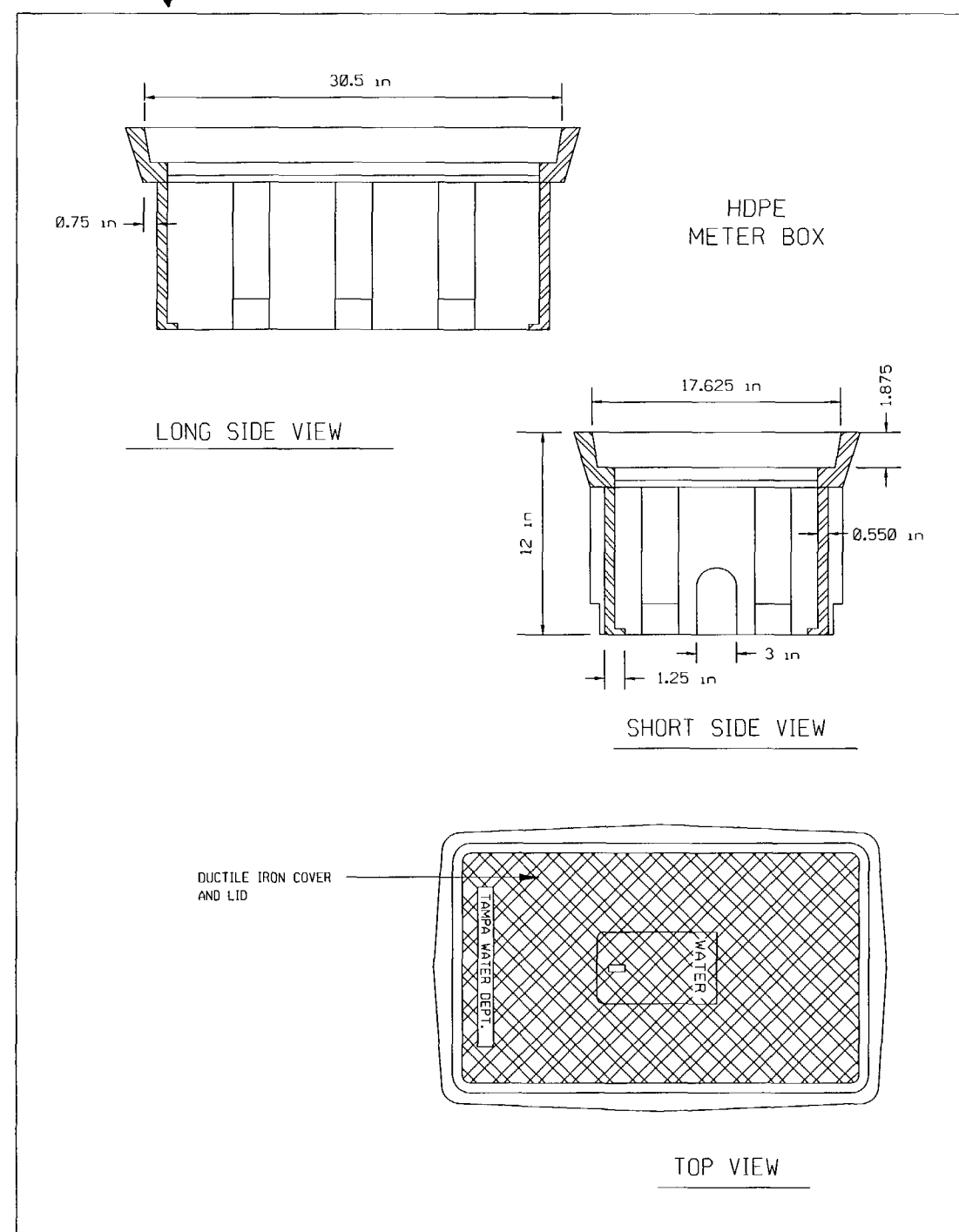
S.R. 45 FROM KENNEDY BLVD. TO HILLSBOROUGH AVE.

DETAILS

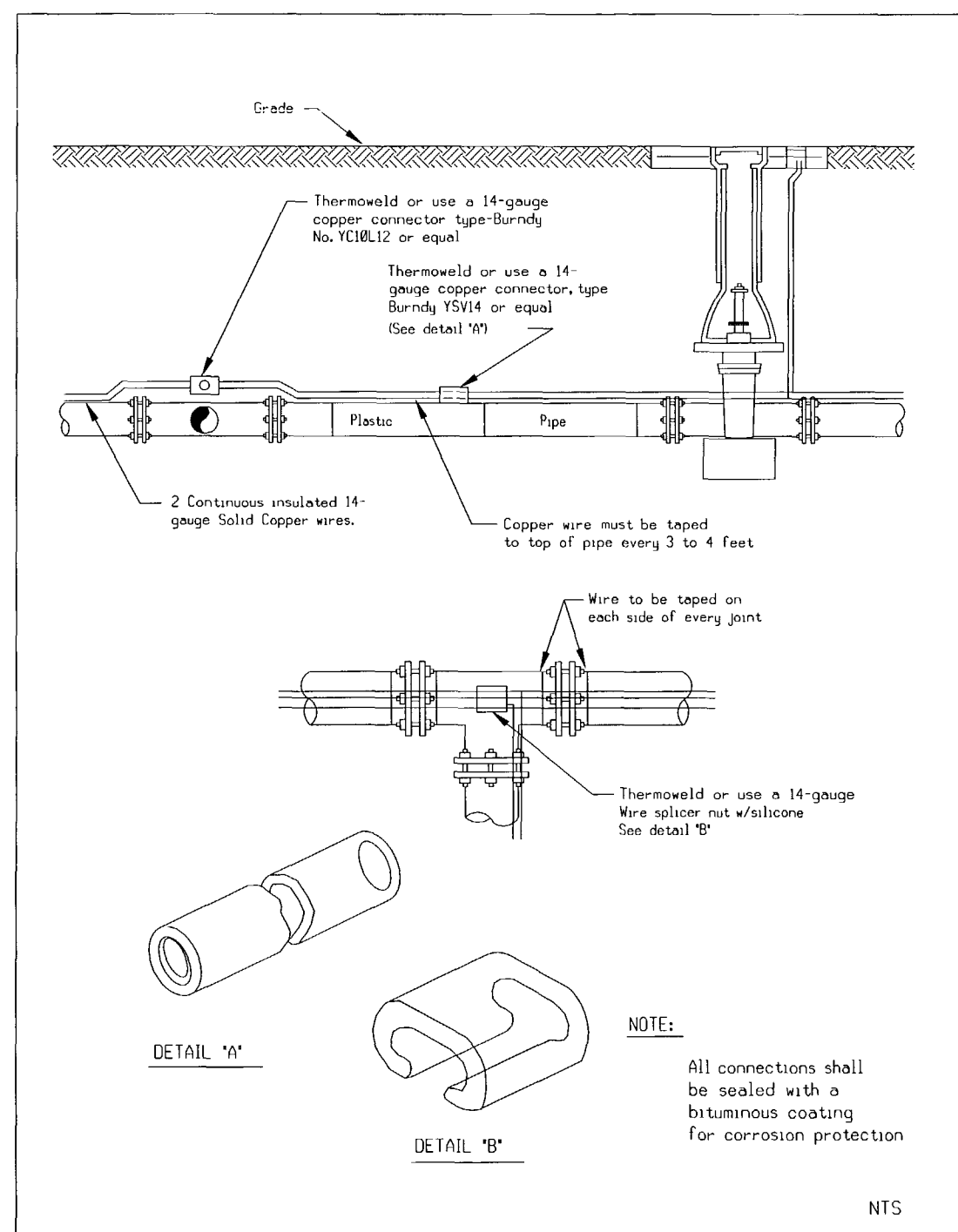
| | | | | | | |
|----------|------|----------|----|---------|-------------|--------------------------|
| No. | Date | REVISION | By | Des: CB | W.O. 4540 | File: WTRSA 06.01.15.010 |
| Approved | Date | | | Dwn: FJ | FILE NUMBER | |
| | | | | Ckd: CB | SHEET 54 | OF 55 SHEETS |

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| | | | |
|----------------|----------------------|-----------------|-----------|
| UHWCA | FINANCIAL PROJECT ID | STATE PROJ. NO. | SHEET NO. |
| 255853-1-56-01 | | | U - 55 |

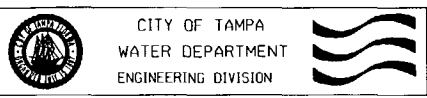


| | | | | |
|----------------------------|----------|---------|--------------------------------------|------|
| TAMPA WATER DEPARTMENT | APPROVED | REVISED | 1-1/2" & 2" SINGLE SERVICE METER BOX | 5.12 |
| | _____ | _____ | | |



| | | | | |
|----------------------------|----------|---------|---------------------------------------|------|
| TAMPA WATER DEPARTMENT | APPROVED | REVISED | DOUBLE COPPER TRACER WIRE ON PVC PIPE | 7.02 |
| | _____ | _____ | | |

CHRIS BARQUIN, P.E.
CITY OF TAMPA WATER DEPT.
306 E. JACKSON ST., 5E
TAMPA, FLA. 33602
P.E. #31700



CITY OF TAMPA
WATER DEPARTMENT
ENGINEERING DIVISION

MAIN RELOCATION

S.R. 45 FROM KENNEDY BLVD. TO HILLSBOROUGH AVE.

DETAILS

| | | | |
|-----|------|----------|----|
| No. | Date | REVISION | By |
| | | | |
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|------|----|-------------|------|-------|------------------|
| Des: | CB | W.D. | 4540 | File: | NEWBA RELOCATION |
| Dwn: | FJ | FILE NUMBER | | | |
| Ckd: | CB | SHEET | 55 | OF | 55 SHEETS |

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