# CITY OF TARPON SPRINGS

# PLANS OF PROPOSED

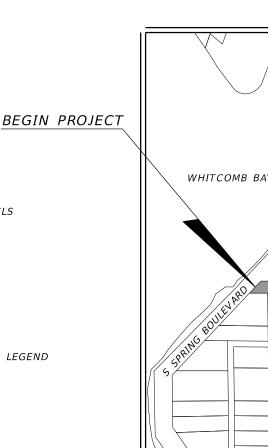
### LEMON STREET

from S SPRING BOULEVARD to BATH STREET

### AND SHADDOCK STREET

from LEMON STREET to S SPRING BOULEVARD

## PAVEMENT REHABILITATION



INDEX OF ROADWAY PLANS

SHEET NO.

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SHEET DESCRIPTION

SIGNATURE SHEET

TYPICAL SECTION

GENERAL NOTES

ROADWAY PLAN

GRADING PLAN

DRAINAGE PLAN

DRAINAGE DETAIL

TRAFFIC CONTROL PLAN

BORING LOCATION PLAN

WATER MAIN PLAN & PROFILE

WATER MAIN DETAILS & UTILITY LEGEND

SOIL PROFILE SHEET

**EXISTING UTILITIES** 

ROADWAY CONSTRUCTION DETAILS

KEY SHEET

WHITCOMB BAYOU

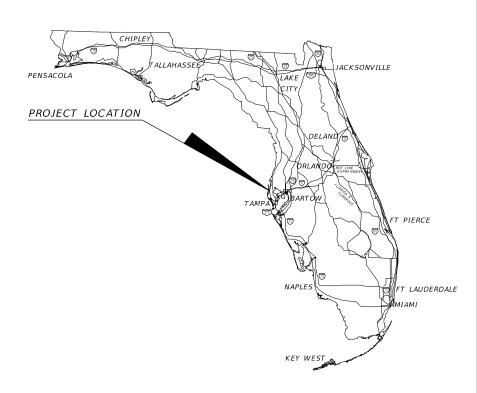
S SPRING BOULEVARD

LEMON STREET

READ OCK STREET

READ OC

100% PLAN SUBMITTAL DATE: 12/16/2022



END PROJECT

# CONTACT SUNSHINE 811 TWO FULL BUSINESS DAYS BEFORE YOU DIG CALL 811 OR 1-800-432-4770

ROADWAY SHOP DRAWINGS TO BE SUBMITTED TO:

ERIK C. LESCHAK, P.E. C/O AMERICAN CONSULTING ENGINEERS OF FLORIDA, LLC 2818 CYPRESS RIDGE BOULEVARD SUITE 200 WESLEY CHAPEL, FLORIDA 33544

(813) 435-2600

PLANS PREPARED BY:



2818 Cypress Ridge Blvd, Suite 200 Wesley Chapel, Florida 33544 Phone: (813) 435-2600 Fax: (813) 435-2601 Certificate of Authorization No. 9302

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

ROADWAY PLANS ENGINEER OF RECORD: ERIK C. LESCHAK, P.E.

P.E. NO.: 63874

PROJECT NO.	SHEET NO.				
5159278.003	1 OF 36				



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Erik C. Leschak, P.E. No. 63874

THE ABOVE NAMED PROFESSIONAL ENGINEER SHALL BE RESPONSIBLE FOR THE FOLLOWING SHEETS IN ACCORDANCE WITH RULE 61G15-23.004, F.A.C.

### ROADWAY PLANS

SHEET NO. SHEET DESCRIPTION

KEY SHEET SIGNATURE SHEET TYPICAL SECTION GENERAL NOTES 4-9 10-15 ROADWAY PLAN GRADING PLAN ROADWAY CONSTRUCTION DETAILS TRAFFIC CONTROL PLAN EXISTING UTILITIES No 79361

\*
STATE OF
ORIDAGENERAL

ORIDAGENERAL

STATE OF

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American Consulting Engineers of Florida, LLC 2818 Cypress Ridge Blvd, Suite 200 Wesley Chapel, Florida 33544 Phone: (813) 435-2600 Fax: (813) 435-2601 Certificate of Authorization No. 9302 Eric K. Nelson, P.E. No. 79361

THE ABOVE NAMED PROFESSIONAL ENGINEER SHALL BE RESPONSIBLE FOR THE FOLLOWING SHEETS IN ACCORDANCE WITH RULE 61G15-23.004, F.A.C.

### ROADWAY PLANS

SHEET NO. 16-18

19

SHEET DESCRIPTION SIGNATURE SHEET DRAINAGE PLAN DRAINAGE DETAIL

No 56181

\*

STATE OF

ORIDA

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Stroud Engineering Consultants, INC 10503 CYNDEE LANE ODESSA, FLORIDA 33556 Phone: (813) 760-1964 Fax: N/A Certificate of Authorization No. 29607 Kurt D. Heath, P.E. No. 56181

THE ABOVE NAMED PROFESSIONAL ENGINEER SHALL BE RESPONSIBLE FOR THE FOLLOWING SHEETS IN ACCORDANCE WITH RULE 61G15-23.004, F.A.C.

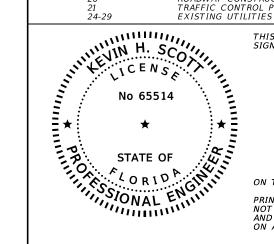
### ROADWAY PLANS

SHEET NO.

30-35

SHEET DESCRIPTION

WATER MAIN PLAN & PROFILE WATER MAIN DETAILS & UTILITY LEGEND



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Tierra, INC 7351 Temple Terrace Highway Tampa, Florida, 33637
Phone: (813) 989-1354 Fax: (813) 989-1355
Certificate of Authorization No. 6486 Kevin H. Scott, P.E. No. 65514

THE ABOVE NAMED PROFESSIONAL ENGINEER SHALL BE RESPONSIBLE FOR THE FOLLOWING SHEETS IN ACCORDANCE WITH RULE 61G15-23.004, F.A.C.

### ROADWAY PLANS

SHEET NO. SHEET DESCRIPTION SIGNATURE SHEET BORING LOCATION PLAN SOIL PROFILE SHEET

DATEBY DESIGNED DA 01/06/20 DRAWN 01/13/20 REVISIONS BY DATE CHECKED ASP 01/31/20

CITY OF TARPON SPRINGS

SIGNATURE SHEET

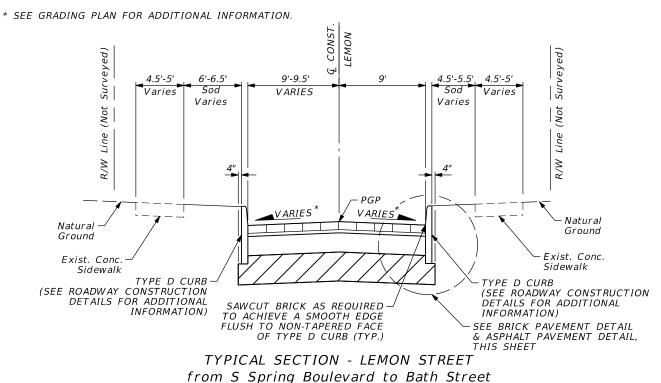
12/16/2022

**American** Consulting Engineers of Florida, LLC

2818 Cypress Ridge Blvd, Suite 200 Wesley Chapel, Florida 33544 Phone: (813) 435-2600 Fax: (813) 435-2601 Certificate of Authorization No. 9302

DATE: 12/16/2022

SCALE: N/A SHEET: 1A of 36



\* SEE GRADING PLAN FOR ADDITIONAL INFORMATION. 4.5'-5' 4.5'-5.5' 9'-9.29' 5'-6' 4.5'-5' Sur Sod VARIES Sod Sul . Varies Varies Varies Varies Not. R/W R/W VARIES VA<u>RIES</u> → Natural Natural -Ground Ground Exist. Conc. Sidewalk Exist. Conc. Sidewalk TYPE D CURB (SEE ROADWAY CONSTRUCTION TYPE D CURB-SAWCUT BRICK AS REQUIRED DETAILS FOR ADDITIONAL (SEE ROADWAY CONSTRUCTION TO ACHIEVE A SMOOTH EDGE INFORMATION) DETAILS FOR ADDITIONAL FLUSH TO NON-TAPERED FACE INFORMATION) OF TYPE D CURB (TYP.) SEE BRICK PAVEMENT DETAIL

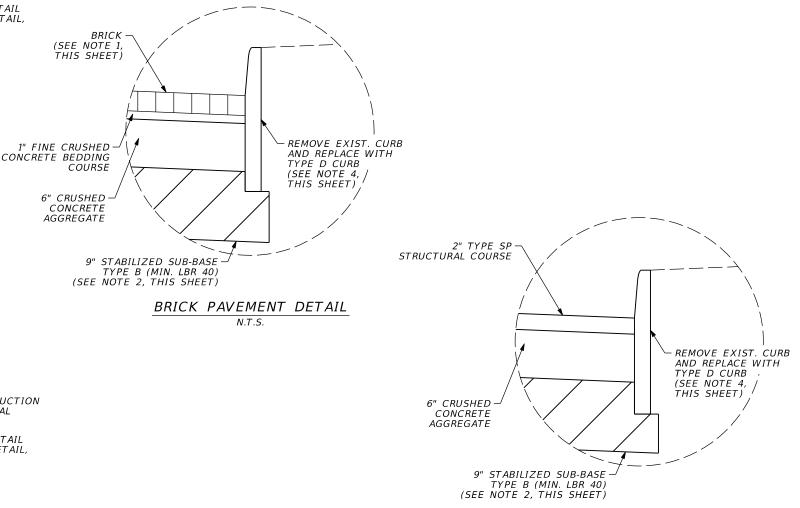
N.T.S.

TYPICAL SECTION - SHADDOCK STREET from Lemon Street to S Spring Boulevard

N.T.S.

NOTES

- 1. ALL OF THE EXISTING CLAY BRICK WITHIN THE LIMITS OF CONSTRUCTION ON SHADDOCK STREET BETWEEN LEMON STREET AND S SPRING BOULEVARD, SHALL BE CAREFULLY REMOVED BY HAND AND STACKED ON PALLETS, STRETCH WRAPPED AND DELIVERED TO CITY PROPERTY AS DIRECTED BY THE ENGINEER FOR STORAGE DURING PROPOSED ROAD BED PREPARATION. COST OF TRANSPORTING THE EXISTING CLAY BRICK IS INCLUDED IN THE COST OF BRICK PAVEMENT REMOVAL. ANY NEW CLAY BRICK NEEDED TO COMPLETE CONSTRUCTION, THAT EXCEEDS WHAT WAS STACKED ON PALLETS, SHALL BE SUPPLIED BY THE CONTRACTOR WITH APPROVAL FROM THE CITY REQUIRED PRIOR TO ACQUISITION. THE CONTRACTOR SHALL NOT MIX EXISTING AND NEW CLAY BRICK WITHIN THE SAME SECTION OF ROADWAY WITHOUT SEPARATION BY CONCRETE HEADER CURB. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TRANSPORTING OF NEW CLAY BRICK TO THE PROJECT SITE AT NO ADDITIONAL COST TO THE CITY.
- 2. AT THE CONTRACTOR'S OPTION, AND AT NO ADDITIONAL COST TO THE CITY, THE 9" STABILIZED SUB-BASE TYPE B (MIN LBR 40) USED UNDER THE BRICK PAVEMENT OR ASPHALT PAVEMENT MAY BE DELETED AND THE CRUSHED CONCRETE AGGREGATE THICKNESS INCREASED FROM 6" TO 10".
- 3. UPON INSTALLATION OF THE BRICKS ON TOP OF 1" LAYER OF FINE CRUSHED CONCRETE, THE CONTRACTOR SHALL VIBRATE BRICKS INTO THIS LAYER. SAND SHALL THEN BE SPREAD OVER THE BRICKS AND AGAIN VIBRATED TO CAUSE THE SAND TO FILL THE SPACES BETWEEN BRICKS. EXCESS SAND SHALL BE VACUUMED AND REMOVED.
- 4. ALL OF THE EXISTING GRANITE CURB WITHIN THE LIMITS OF CONSTRUCTION SHALL BE CAREFULLY REMOVED BY HAND AND STACKED ON PALLETS, STRETCH WRAPPED AND DELIVERED TO CITY PROPERTY AS DIRECTED BY THE ENGINEER FOR STORAGE. COST OF TRANSPORTING THE EXISTING GRANITE CURB IS INCLUDED IN THE COST OF GRANITE CURB REMOVAL.



ASPHALT PAVEMENT DETAIL

N.T.S.

				BY	DATE
			DESIGNED	DAI	01/06/20
			DRAWN	RW S	01/13/20
REVISIONS	BY	DATE	CHECKED	ASP	01/31/20

CITY OF TARPON SPRINGS

& ASPHALT PAVEMENT DETAIL,

TYPICAL SECTION

12/16/2022

American
Consulting Engineers of Florida, LLC

2818 Cypress Ridge Blvd, Suite 200
Wesley Chapel, Florida 33544
Phone: (813) 435-2600 Fax: (813) 435-2601

Certificate of Authorization No. 9302

Frik C. Leschak P.E. No. 63874

DATE: 12/16/2022

SCALE: NTS

SHEET: 2 of 36

### GENERAL NOTES:

- 1. ALL ELEVATIONS AND DIMENSIONS ARE IN FEET REFERENCED TO NAVD 88 (NORTH AMERICAN VERTICAL DATUM OF 1988).
- 2. ALL DIMENSIONS, ELEVATIONS AND RADII ARE TO THE EDGE OF PAVEMENT UNLESS OTHERWISE NOTED
- 3. GRADES SHOWN ARE FINISHED GRADES.
- 4. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL PLAN DIMENSIONS AND SITE CONDITIONS, AND IS TO NOTIFY THE CITY OF TARPON SPRINGS AND/OR THE ENGINEER OF ANY DISCREPANCIES BETWEEN THE SITE CONDITIONS AND INFORMATION SHOWN ON THE PLANS PRIOR TO COMMENCING WORK.
- 5. EXISTING UTILITIES:
  - A) THE CONTRACTOR IS RESPONSIBLE TO VERIFY THE EXACT LOCATION OF AND TO PROTECT DURING CONSTRUCTION ALL EXISTING UTILITIES. THIS INCLUDES THE SANITARY SEWER LINES ON LEMON AND SHADDOCK AND THE SANITARY SEWER LINE OUTSIDE OF THE PROJECT LIMITS ON BATH.
  - B) PRIOR TO MOBILIZATION, THE CONTRACTOR SHALL NOTIFY THE INDIVIDUALS LISTED BELOW AND SCHEDULE CONSTRUCTION ACTIVITIES IN A MANNER WHICH WILL FACILITATE THE REMOVAL AND RELOCATION OF ANY CONFLICTING UTILITIES.
  - C) THE CONTRACTOR SHALL NOTIFY ALL UTILITY OWNERS AND CONFIRM LOCATIONS OF UTILITIES AT LEAST 48 HOURS BEFORE BEGINNING CONSTRUCTION. ANY DAMAGE RESULTING FROM THE CONTRACTOR'S OPERATIONS SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
  - E) IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO CONTACT SUNSHINE STATE ONE CALL CENTER OF FLORIDA FOR UTILITY LOCATIONS PRIOR TO THE START OF CONSTRUCTION.
  - F) UTILITY OWNERS:

CITY OF TARPON SPRINGS

1624 L & R INDUSTRIAL BOULEVARD

TARPON SPRINGS, FL 34689

CONTACT: RAYMOND PAGE

PHONE: 727-937-2557

EMAIL: RPAGE@CTSFL.US

CLEARWATER GAS SYSTEM
777 MAPLE STREET

CLEARWATER, FL 33755

CONTACT: CLIFTON WHITAKER

PHONE: 727-564-7425

SPECTRUM (CHARTER)
700 CARILLON PARKWAY, SUITE 6
ST. PETERSBURG, FL 33716
CONTACT: KENNETH G. WILLIAMS
PHONE: 727-224-3775

EMAIL: KENNETH.WILLIAMS4@CHARTER.COM

WOW!
3001 GANDY BOULEVARD
PINELLAS PARK, FL 33782
CONTACT: DAVID HAMLIN JR.
PHONE: 727-239-0156
EMAIL: DAVE.HAMLIN@WOWINC.COM

FRONTIER COMMUNICATIONS
1280 CLEVELAND STREET
CLEARWATER, FL 33755
CONTACT: STEPHEN WAIDLEY
PHONE: 727-462-1760

EMAIL: CLIFTON.WHITAKER@CLEARWATERGAS.COM EMAIL: STEPHEN.WAIDLEY@FTR.COM

DUKE ENERGY-DISTRIBUTION 2166 PALMETTO STREET, BLDG C CLEARWATER, FL 33765 CONTACT: KESHA HARPER

PHONE: 407-269-3142 EMAIL: KESHA.HARPER@DUKE-ENERGY.COM

- 6. THE CONTRACTOR SHALL PERFORM ALL CONSTRUCTION STAKEOUTS.
- 7. CONTRACTOR SHALL PROVIDE TEMPORARY CONSTRUCTION FENCING AROUND EXCAVATIONS THAT REMAIN OPEN AT THE END OF A DAY'S CONSTRUCTION ACTIVITIES.
- 8. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE ALL CERTIFICATIONS, SHOP DRAWINGS, MATERIALS, ETC. CALLED FOR OR REQUESTED ON ALL CONSTRUCTION MATERIALS BROUGHT TO THE SITE.
- 9. THE ENGINEER WILL HAVE THE AUTHORITY TO DISAPPROVE OR REJECT MATERIALS AND/OR WORK WHICH IS DEFECTIVE, OR DOES NOT CONFORM TO THE REQUIREMENTS OF THE PLANS AND SPECIFICATIONS, OR DOES NOT MEET THE REQUIREMENTS OF ANY INSPECTION, TEST, OR APPROVAL.
- 10. NEITHER OBSERVATIONS BY THE ENGINEER NOR INSPECTIONS, TEST, OR APPROVALS BY OTHER PERSONS SHALL RELIEVE THE CONTRACTOR FROM THEIR OBLIGATION TO PERFORM THE WORK IN ACCORDANCE WITH THE REQUIREMENTS OF THE PLANS AND SPECIFICATIONS.
- 11. THE CONTRACTOR SHALL MAINTAIN THE RIGHT-OF-WAY DURING CONSTRUCTION IN A SATISFACTORY MANNER TO PREVENT THE DEPOSITION OF SAND, DUST, ETC, BY WATER OR WIND EROSION ONTO ADJACENT PROPERTIES. EROSION CONTROL MEASURES SHALL BE IN PLACE PRIOR TO BEGINNING CONSTRUCTION.
- 12. SEE GRADING PLAN FOR CURB RAMP ELEVATIONS AND GRADES. CURB RAMPS ARE NOT TO EXCEED 1:12 UNLESS NOTED IN THE GRADING PLAN.

- 13. ANY PUBLIC LAND CORNER WITHIN THE LIMITS OF CONSTRUCTION IS TO BE PROTECTED. IF A CORNER MONUMENT IS IN DANGER OF BEING DESTROYED AND HAS NOT BEEN PROPERLY REFERENCED, THE CONTRACTOR SHOULD NOTIFY THE ENGINEER WITHOUT DELAY. ALL CORNERS OR REFERENCE POINTS (I.E. CENTERLINE STREET INTERSECTION CONTROL) SHALL BE RESET AND CERTIFIED CORRECT BY A REGISTERED LAND SURVEYOR AND A DRAWING SEALED AND CERTIFIED SHALL BE FURNISHED TO THE OFFICE OF THE COUNTY SURVEYOR PRIOR TO FINAL PAYMENT ON THE PROJECT, AT THE CONTRACTOR'S EXPENSE.
- 14. CONTRACTOR SHALL RESET ALL HORIZONTAL AND VERTICAL CONTROL POINTS OVERLAYED OR DESTROYED DURING CONSTRUCTION.
- 15. RECONSTRUCTED DRIVEWAYS SHALL MATCH EXISTING MATERIAL (CONCRETE OR ASPHALT OR PAVERS).
  RECONSTRUCTED ASPHALT DRIVEWAYS, PAVEMENT TO UTILIZE SAME ASPHALT PAVEMENT DESIGN AS LEMON STREET.
  SEE TURNOUT DETAIL ON ROADWAY CONSTRUCTION DETAILS SHEET FOR MORE INFORMATION.
- 16. IT IS NOT THE INTENT OF THESE PLANS TO SHOW ALL TEMPORARY EROSION CONTROL, TEMPORARY DRAINAGE AND INCIDENTAL CONSTRUCTION NECESSARY TO PREVENT EROSION. THE CONTRACTOR IS TO PROVIDE EROSION CONTROL / SEDIMENT BARRIERS (INLET PROTECTION, SYNTHETIC BALES OR SILTATION FENCE) TO PREVENT SILTATION OF ADJACENT PROPERTY, STREETS, STORM SEWERS AND WATERWAYS. IN ADDITION, THE CONTRACTOR SHALL PLACE STRAW, MULCH, OR OTHER SUITABLE MATERIAL ON THE GROUND IN AREAS WHERE CONSTRUCTION RELATED TRAFFIC IS TO ENTER AND EXIT SITE. IF IN THE OPINION OF THE ENGINEER AND/OR LOCAL AUTHORITIES, EXCESSIVE QUANTITIES OF EARTH ARE TRANSPORTED OFF-SITE AND INTO EXISTING STORM DRAINAGE FACILITIES EITHER BY NATURAL DRAINAGE OR BY VEHICULAR TRAFFIC, THE CONTRACTOR IS TO PROVIDE EROSION CONTROL AND RESTORE THE AREA TO THE SATISFACTION OF THE ENGINEER AND/OR LOCAL AUTHORITIES.
- 17. THE CONTRACTOR SHALL BE RESPONSIBLE TO SATISFY ALL PERMIT REQUIREMENTS IN REGARDS TO CONSTRUCTION ACTIVITIES AND RELATED CONDITIONS.
- 18. THE CONTRACTOR SHALL REPLACE AND RESTORE ALL PAVING, STABILIZED EARTH, CURBS, DRIVEWAYS, SIDEWALKS, MAILBOXES, DRAINAGE PIPES, FENCES, WALLS, PLANTINGS, ETC. WITH THE SAME TYPE OF MATERIAL OR BETTER THAN THAT WHICH WAS REMOVED OR DISTURBED DURING CONSTRUCTION. COST FOR THIS WORK SHALL BE INCLUDED IN THE COST OF OTHER ITEMS.
- 19. IN ADDITION TO THE SOD LIMITS IDENTIFIED IN THE TYPICAL SECTION, ANY AND ALL GRASS AREAS DISTURBED AS A RESULT OF CONSTRUCTION ACTIVITIES SHALL BE SODDED AND RESTORED TO THE ORIGINAL STATE OR BETTER. SOD SHALL MATCH THE EXISTING SOD TYPE BEING REPLACED OR REPAIRED.
- 20. ALL MATERIALS, DEBRIS, UNSUITABLE EARTH OR EXCESS FILL, ETC. OF NO SALVAGE VALUE SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE DISPOSED OF BY THE CONTRACTOR.
- 21. NO BURNING WITHIN THE PROJECT RIGHT-OF-WAY SHALL BE PERMITTED
- 22. ALL EXISTING SIGNS ARE TO REMAIN, UNLESS OTHERWISE NOTED IN PLANS. THE CONTRACTOR SHALL REPLACE AND RESTORE ALL SIGNS THAT ARE REMOVED OR DISTURBED DURING CONSTRUCTION. COST FOR THIS WORK SHALL BE INCLUDED IN CLEARING AND GRUBBING. IF ANY EXISTING SIGNS ARE LOST OR DAMAGED THEN THE CONTRACTOR SHALL PROVIDE THE CITY WITH A REPLACEMENT SIGN AT NO ADDITIONAL COST TO THE CITY. SIGNS LABELED TO BE REPLACED SHALL BE REPLACED WITH NEW SIGNS. COST FOR THIS WORK SHALL BE PAID FOR UNDER THE SIGNING PAY ITEM.
- 23. THE CONTRACTOR IS TO GRADE STREETS AS NECESSARY DURING CONSTRUCTION TO MAINTAIN A UNIFORM RIDEABLE SURFACE AS DETERMINED BY THE ENGINEER.
- 24. A VACUUM TYPE SWEEPER SHALL BE USED FOR STREET CLEAN UP FOLLOWING POST CONSTRUCTION ACTIVITIES. THE CONTRACTOR SHALL CLEAN LEMON STREET AND SHADDOCK STREET AS WELL AS THEIR CONNECTIONS TO SPRING BOULEVARD, BAY STREET, PINEAPPLE STREET AND BATH STREET TO REMOVE DIRT RESULTING FROM CONSTRUCTION ACTIVITIES. THE COST FOR THIS WORK SHALL BE INCLUDED IN THE COST FOR OTHER ITEMS. REMOVE SOIL TRACKED OUTSIDE PROJECT LIMITS FROM ROADWAYS AT THE END OF EACH WORK DAY.
- 25. THE CONTRACTOR IS TO CONSTRUCT ALL CURB RAMPS TO THE REQUIREMENTS SET FORTH BY THE FDOT AND IN FDOT STANDARD PLANS FOR ROAD CONSTRUCTION INDEX 522-002 AND AS AMENDED BY THE PLANS.

  THE DETECTABLE WARNING SURFACE MATERIALS MUST BE ON THE STATE'S APPROVED PRODUCTS LIST (NON-PROPRIETARY).

	COORDINATE DATA									
NAME	CHAIN	STATION	OFFSET	ELEVATION	DESCRIPTION	X COORD.	Y COORD.			
TBM 1	Q CONST. LEMON	30+72.49	18.31' RT	3.44'	SET RIVET & DISK	410389.23	1386178.19			
TBM 2	Q CONST. LEMON	33+71.89	14.50' RT	4.05'	SET RIVET & DISK	410688.65	1386180.08			
TBM 3	Q CONST. LEMON	37+08.33	19.38' RT	4.73'	SET RIVET & DISK	411025.05	1386173.06			
TBM 4	Q CONST. LEMON	40+01.20	15.31' RT	3.20'	SET RIVET & DISK	411317.94	1386175.25			
TBM 5	Q CONST . SHADDOCK	53+50.14	18.16' RT	5.51'	SET RIVET & DISK	411028.98	1386467.55			

12/16/2022

9:41:16 AM

| BY DATE | | DESIGNED | DAI | 01/06/20 | | DRAWN | RWS | 01/13/20 | | REVISIONS | BY DATE | CHECKED | ASP | 01/31/20

CITY OF TARPON SPRINGS

GENERAL NOTES

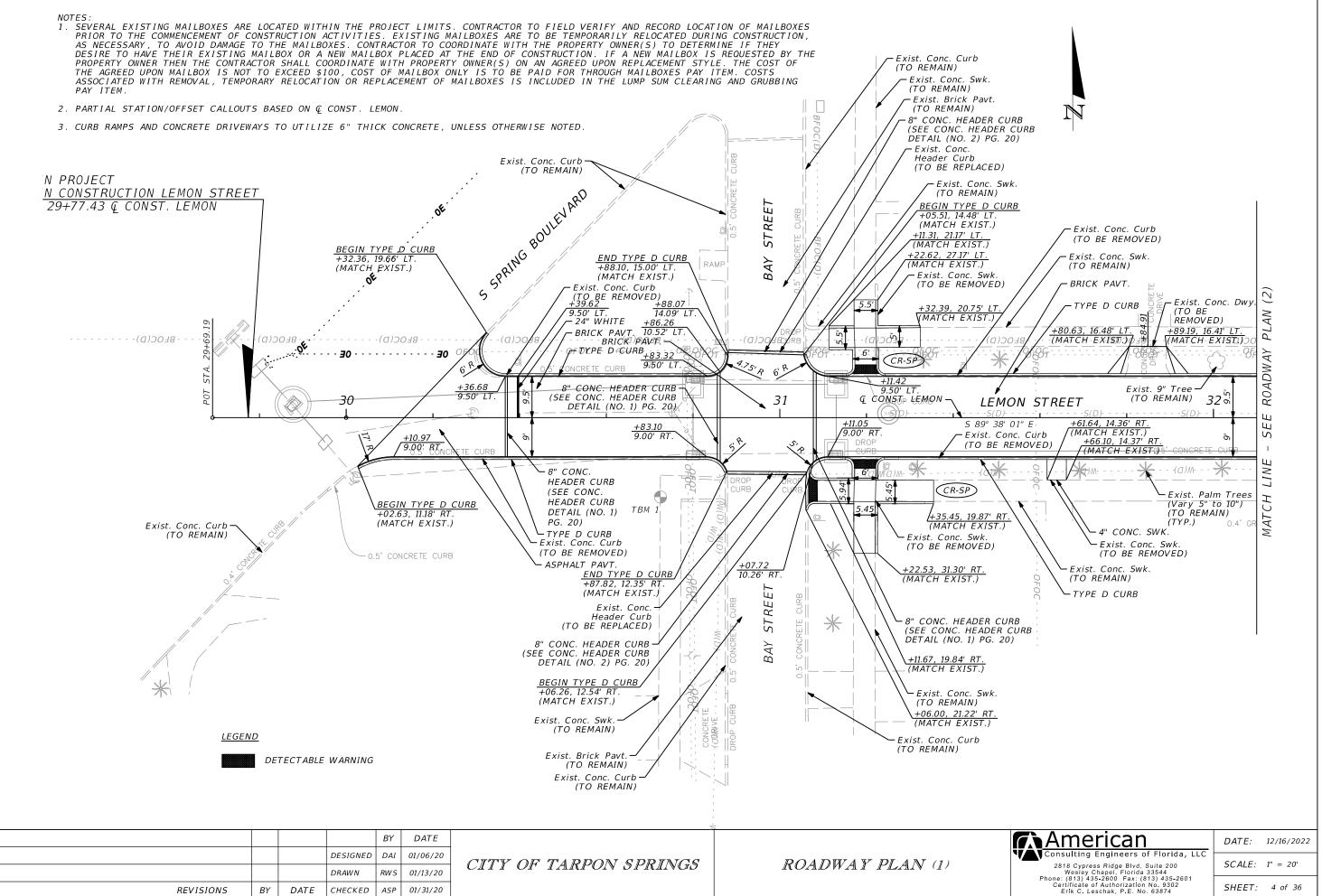
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Consulting Engineers of Florida, LLC
2818 Cypress Ridge Blvd, Suite 200

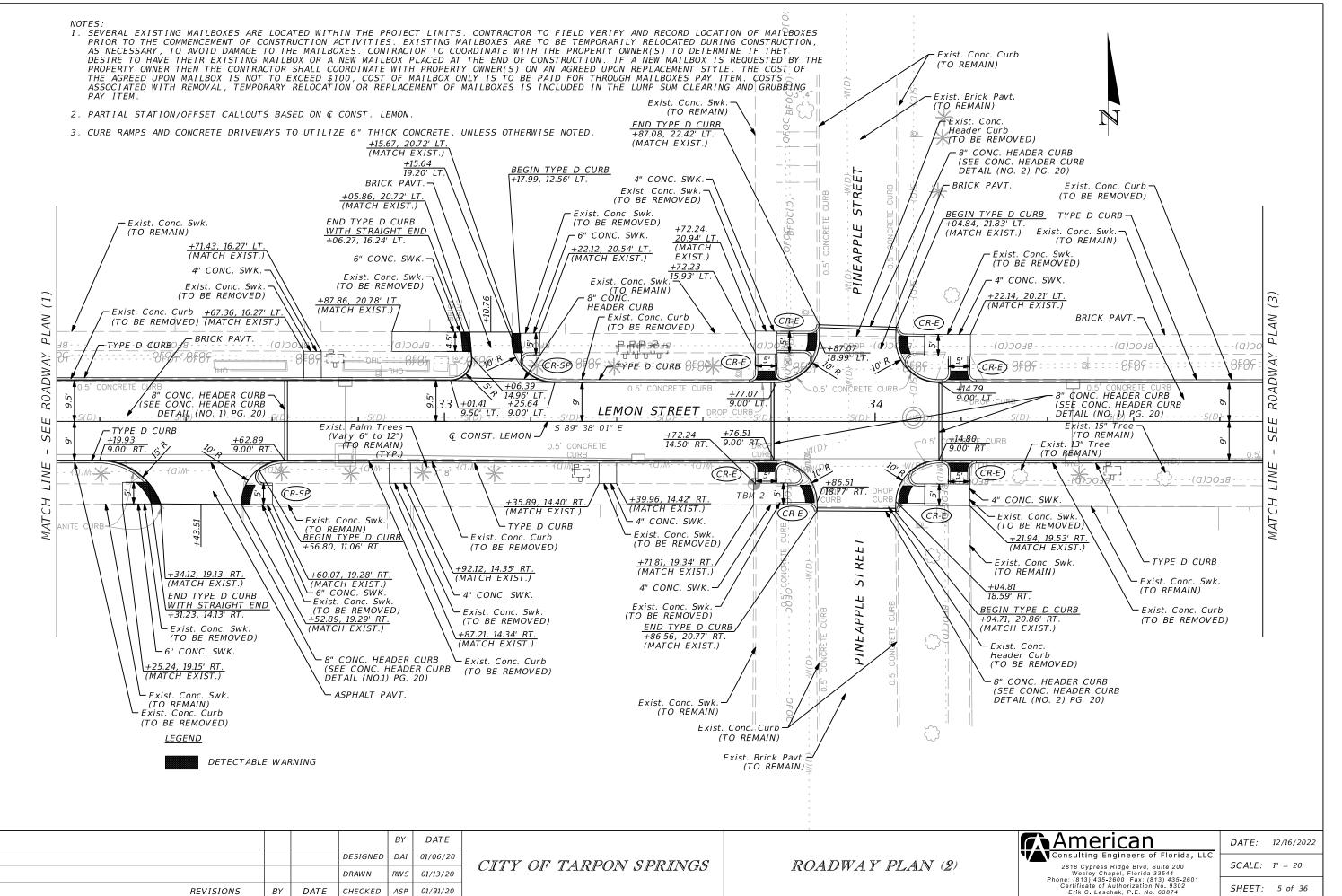
Wesley Chapel, Florida 33544 Phone: (813) 435-2600 Fax: (813) 435-2601

Frik C. Leschak P.E. No. 63874

DATE: 12/16/2022 SCALE: NTS

SHEET: 3 of 36

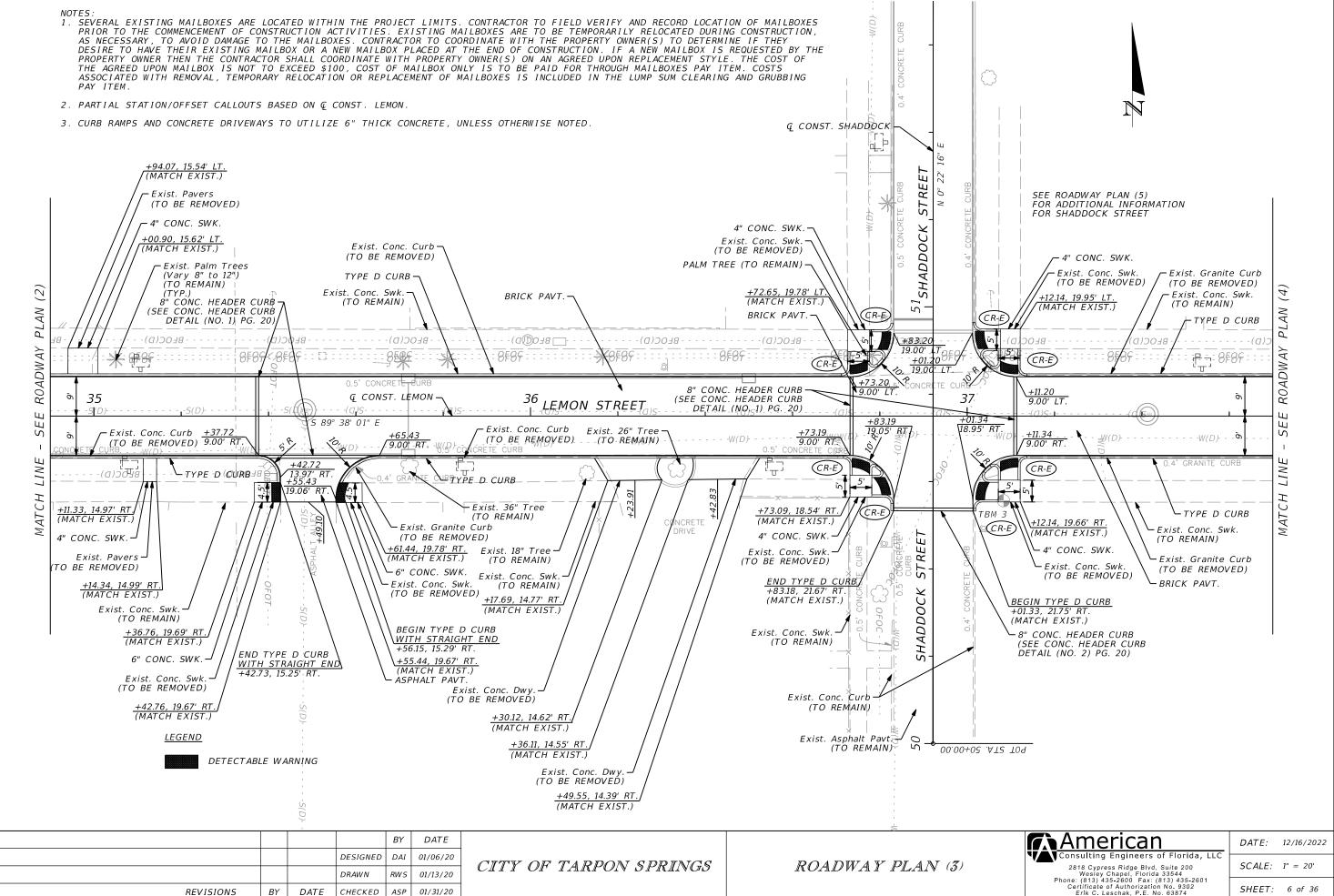




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12/16/2022

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12/16/2022

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### OTES: SEVERAL EXISTING MAILBOXES ARE LOCATED WITHIN THE PROJECT LIMITS. CONTRACTOR TO FIELD VERIFY AND RECORD LOCATION OF MAILBOXES PRIOR TO THE COMMENCEMENT OF CONSTRUCTION ACTIVITIES. EXISTING MAILBOXES ARE TO BE TEMPORARILY RELOCATED DURING CONSTRUCTION, AS NECESSARY, TO AVOID DAMAGE TO THE MAILBOXES. CONTRACTOR TO COORDINATE WITH THE PROPERTY OWNER(S) TO DETERMINE IF THEY DESIRE TO HAVE THEIR EXISTING MAILBOX OR A NEW MAILBOX PLACED AT THE END OF CONSTRUCTION. IF A NEW MAILBOX IS REQUESTED BY THE PROPERTY OWNER THEN THE CONTRACTOR SHALL COORDINATE WITH PROPERTY OWNER(S) ON AN AGREED UPON REPLACEMENT STYLE. THE COST OF THE AGREED UPON MAILBOX IS NOT TO EXCEED \$100, COST OF MAILBOX ONLY IS TO BE PAID FOR THROUGH MAILBOXES PAY ITEM. COSTS ASSOCIATED WITH REMOVAL, TEMPORARY RELOCATION OR REPLACEMENT OF MAILBOXES IS INCLUDED IN THE LUMP SUM CLEARING AND GRUBBING PAY ITEM. 2. PARTIAL STATION/OFFSET CALLOUTS BASED ON & CONST. LEMON. 3. CURB RAMPS AND CONCRETE DRIVEWAYS TO UTILIZE 6" THICK CONCRETE, UNLESS OTHERWISE NOTED. Exist. Granite Curb -(TO BE REMOVED) Exist. Conc. Swk. Exist. Conc. Dwy. (TO REMAIN) (TO BE REMOVED) TYPE D CURB Exist. Conc. Dwy. (TO BE REMOVÉD) 30.07, 15.07' LT +94.02, 15.47' LT. +32.50, 15.29' LT. (MATCH EXIST.) +44.94, 15.04' LT PLAN BRICK PAVT .-(MATCH EXIST.) (MATCH EXIST.) D9.00'- LT-. -BFOC(D)-AY CONCRETE DRI ROADW +45.70 DROP CURB 9.00' LT. 38 39 Q CONST. LEMON -LEMON STREET S 89° 38' 01" E

-TYPE D CURB

+31.26, 15.17' RT. (MATCH EXIST.)

-Exist. Conc. Dwy. (TO BE REMOVED)

BY

DAI

RW S

ASP

DESIGNED

CHECKED

DRAWN

DATE

DATE

01/06/20

01/13/20

01/31/20

S

LINE

MATCH

-M(D)-g

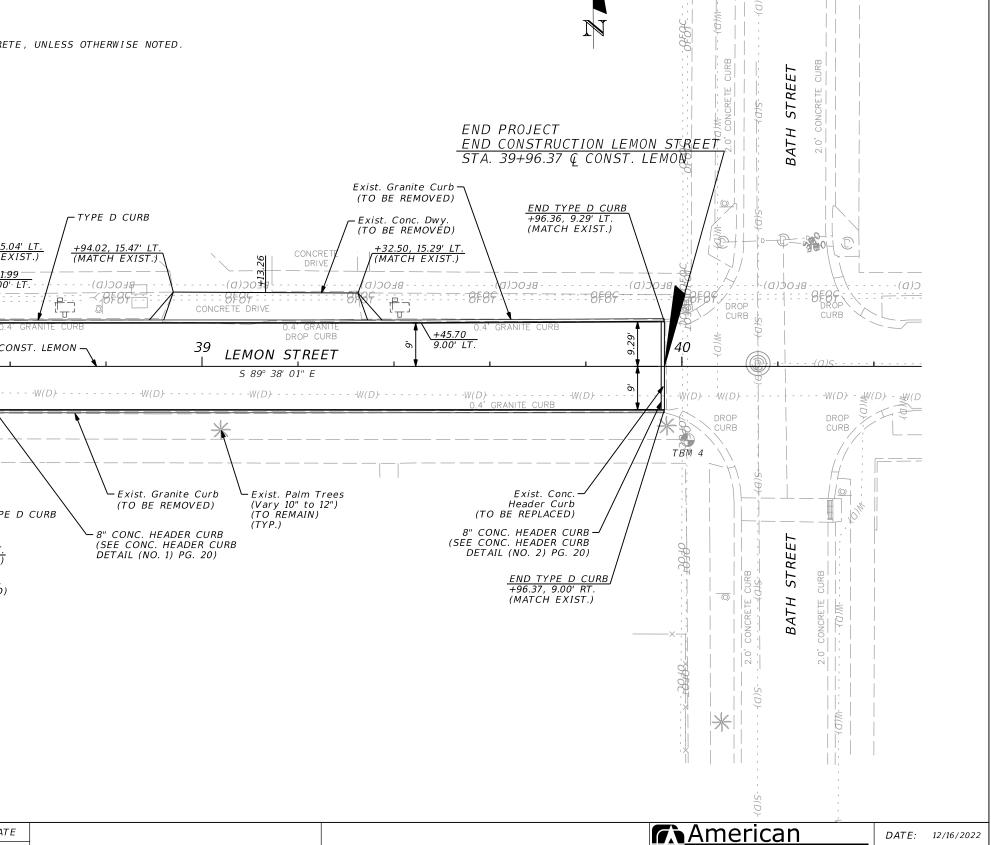
## OH

+14.65, 15.32' RT. (MATCH EXIST.)

<u>+94.79, 14.94' RT.</u> (MATCH EXIST.)

Exist. Pavers (TO BE REMOVED) - 4" CONC. SWK. <u>+83.19, 14.78' R</u>T. (MATCH EXIST.) Exist. Conc. Swk. (TO REMAIN)

REVISIONS



CONCRETE DRIVE

Exist. Palm Trees (Vary 10" to 12")

(TO REMAIN)

Exist. Granite Curb

(TO BE REMOVED)

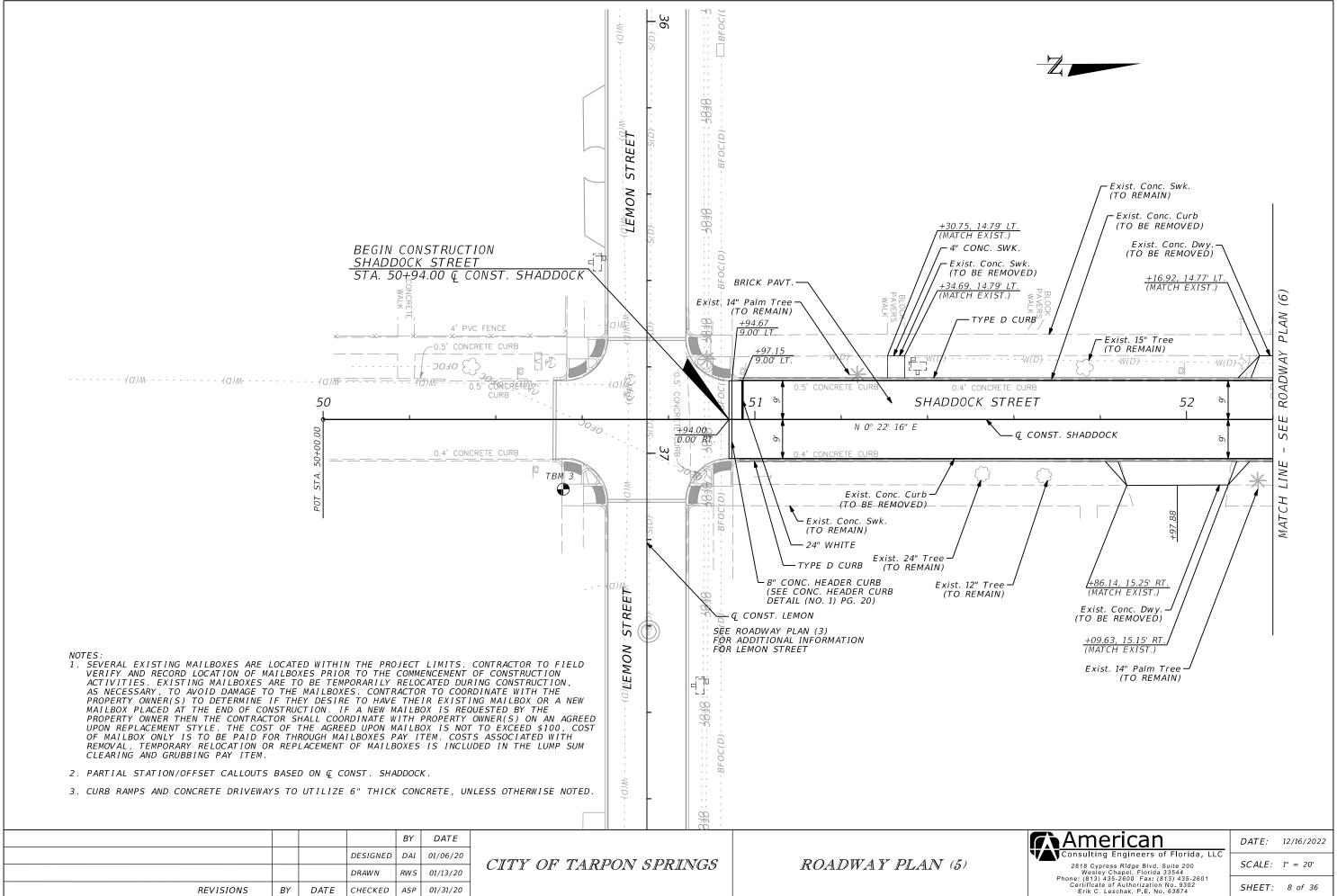
(SEE CONC. HEADER CURB

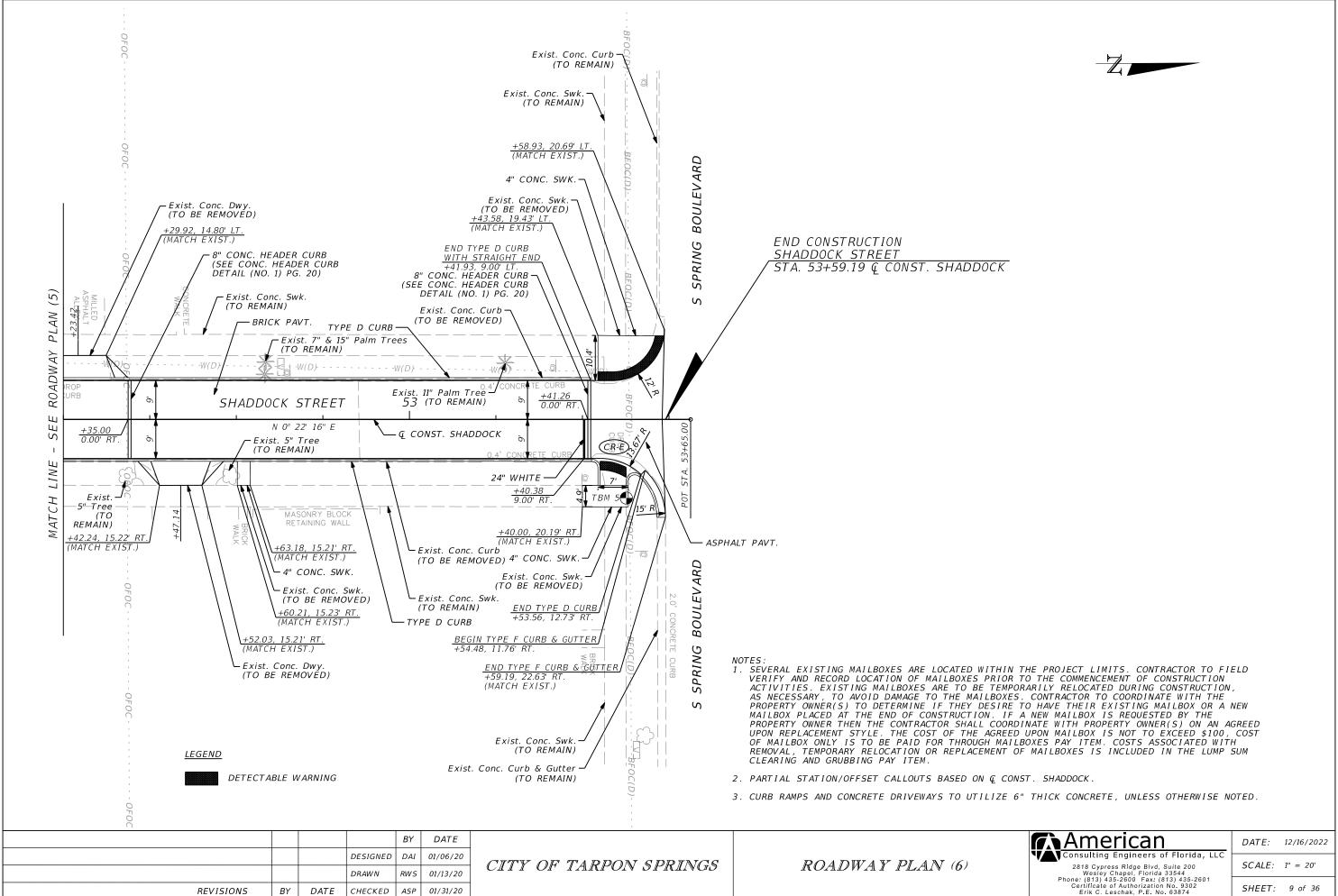
CITY OF TARPON SPRINGS

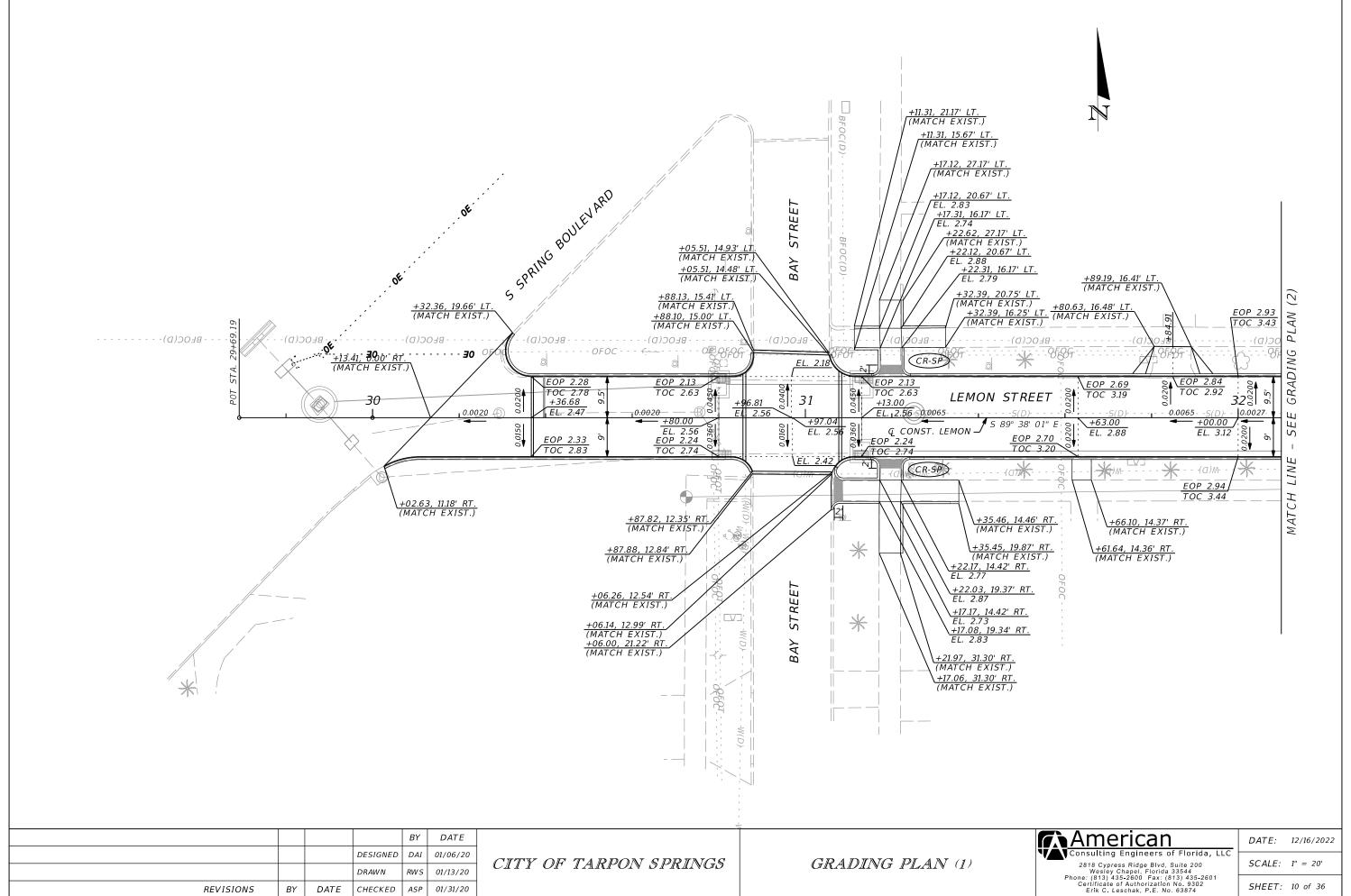
8" CONC. HEADER CURB

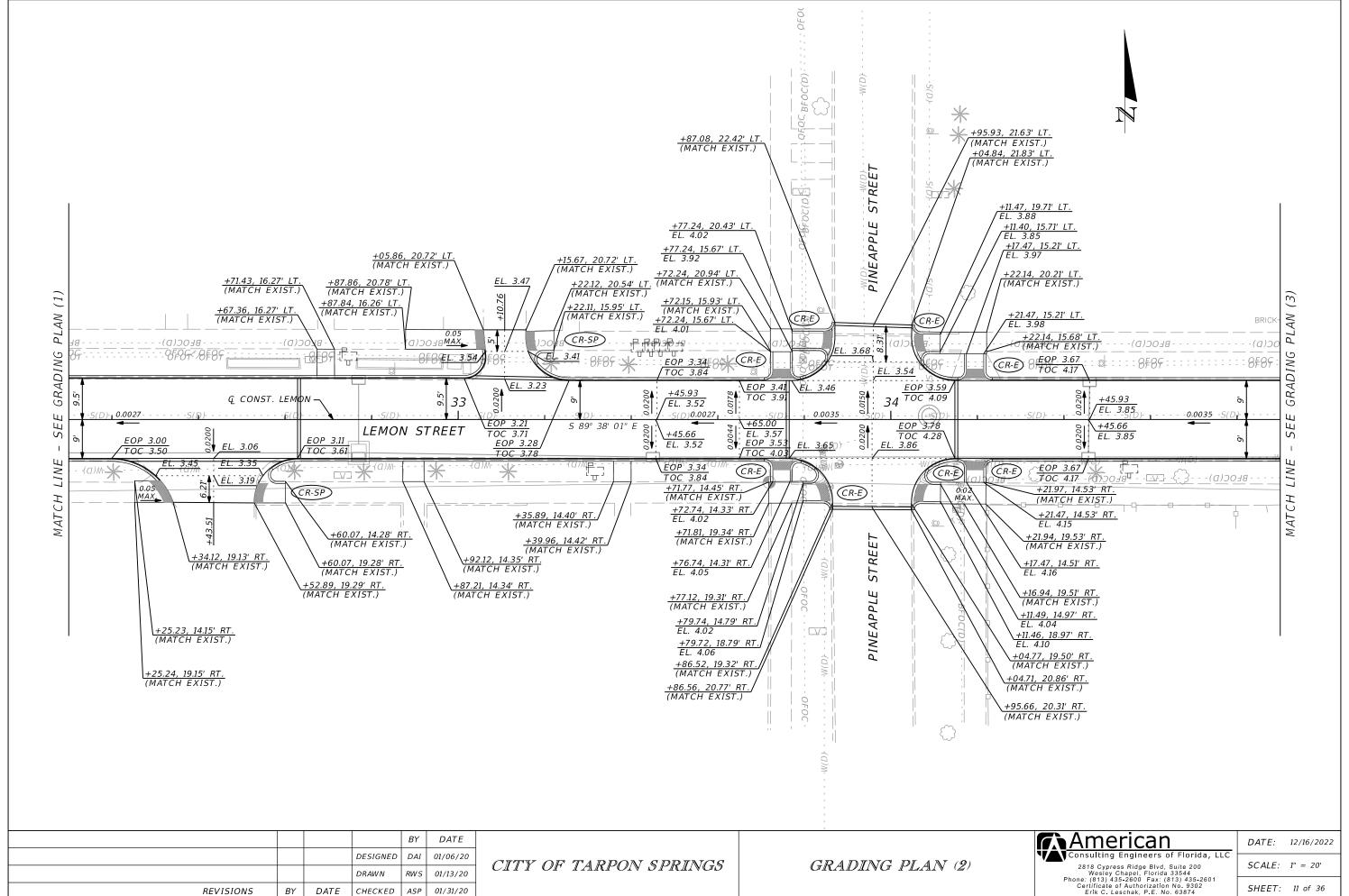
DETAIL (NO. 1) PG. 20)

12/16/2022



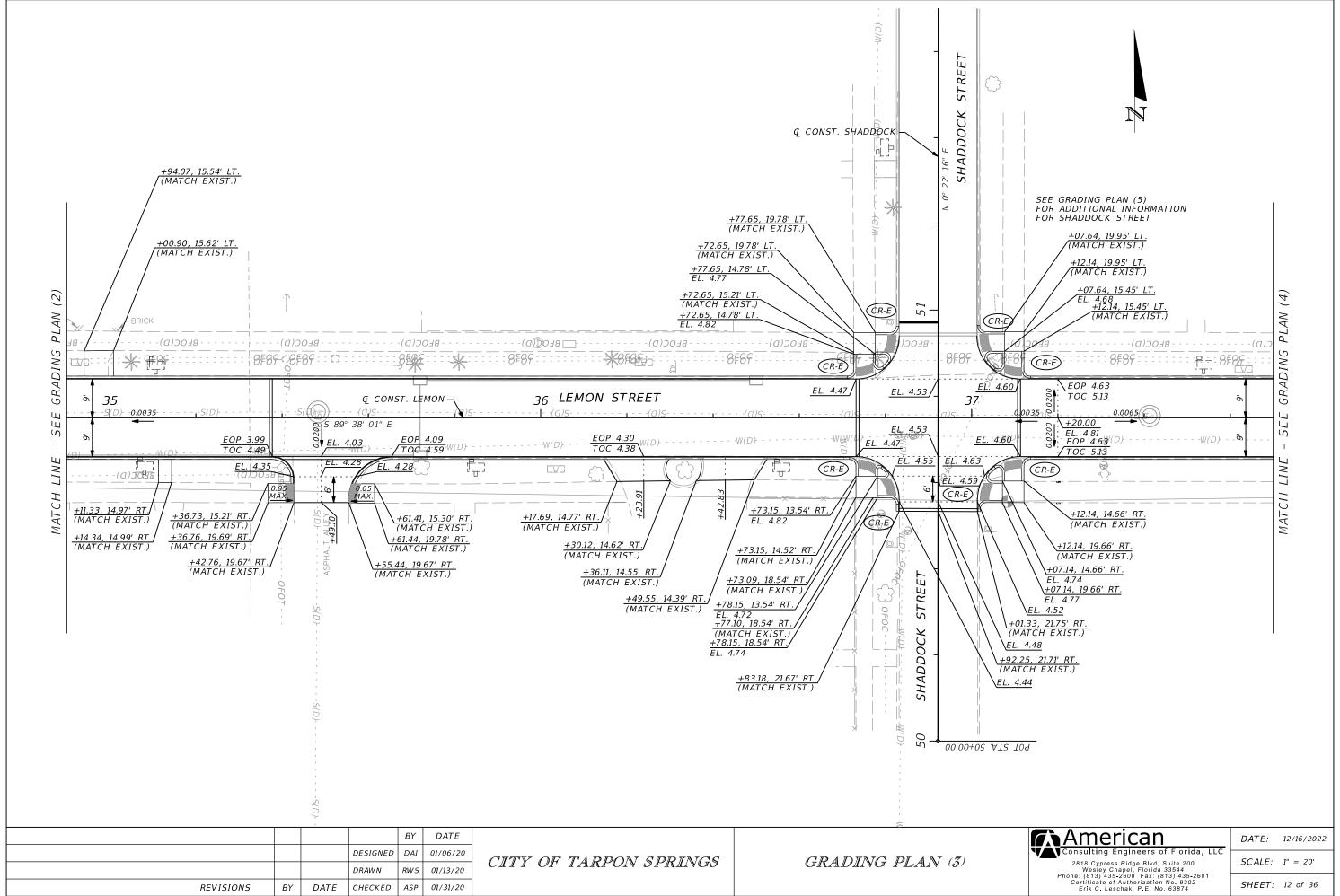




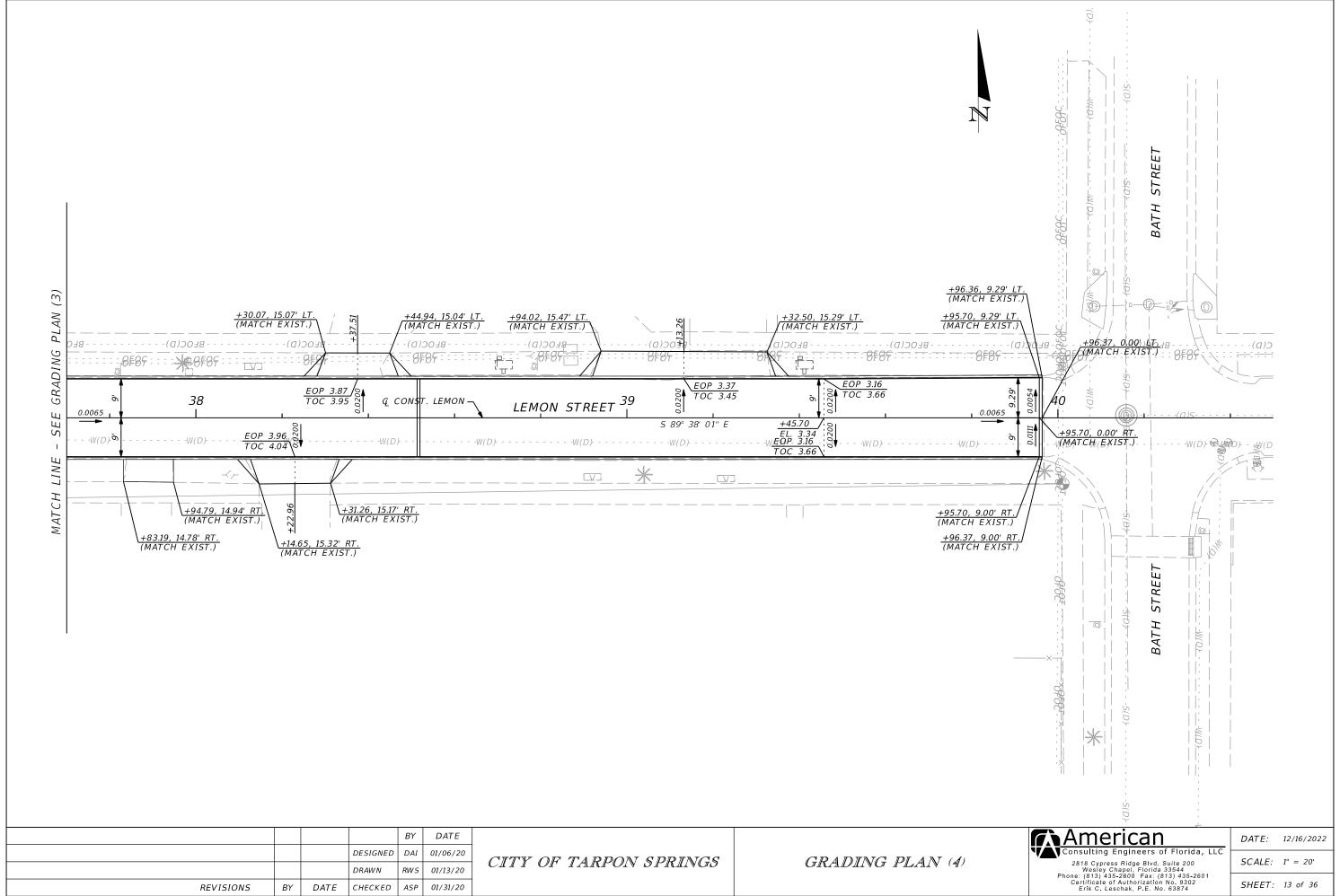


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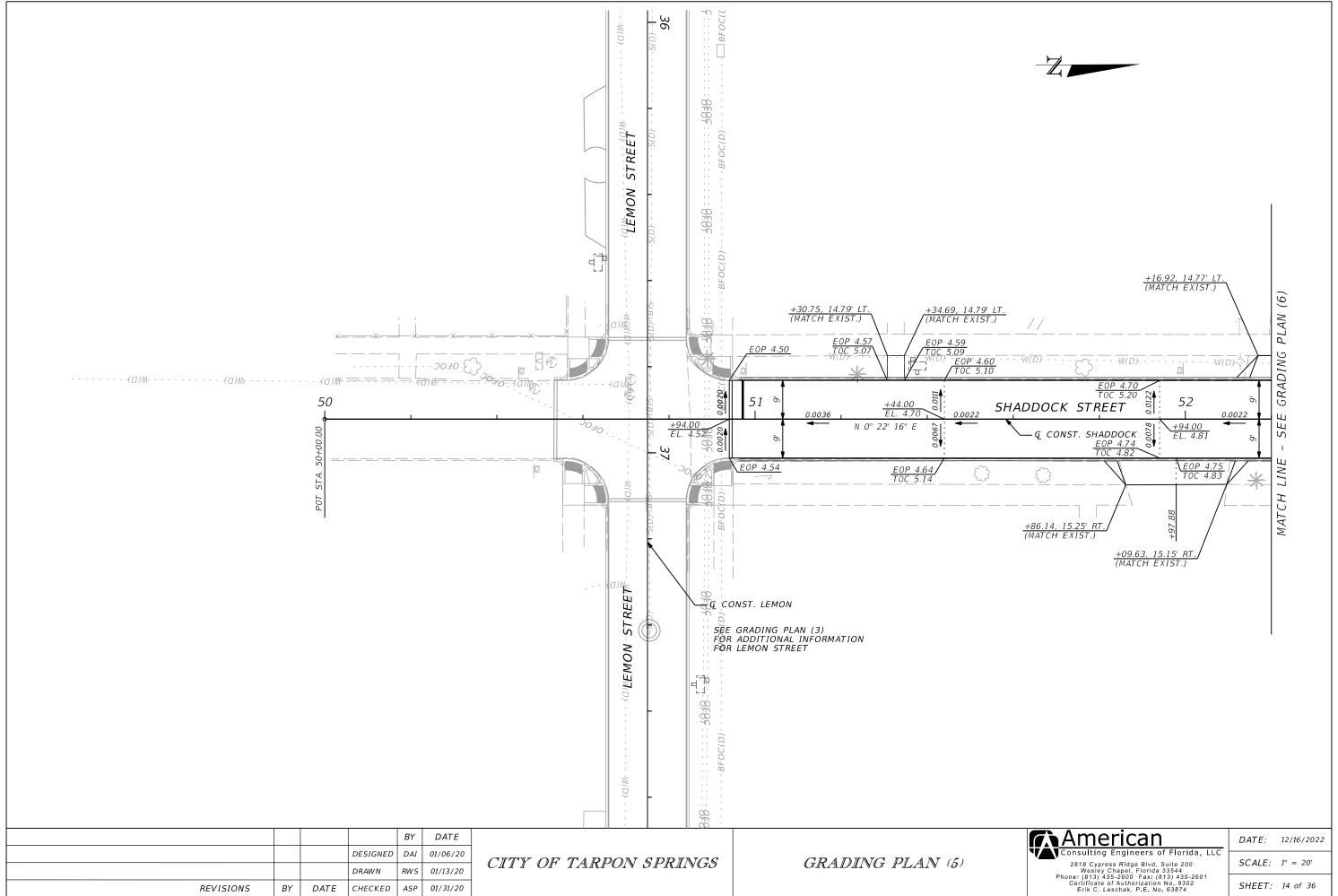
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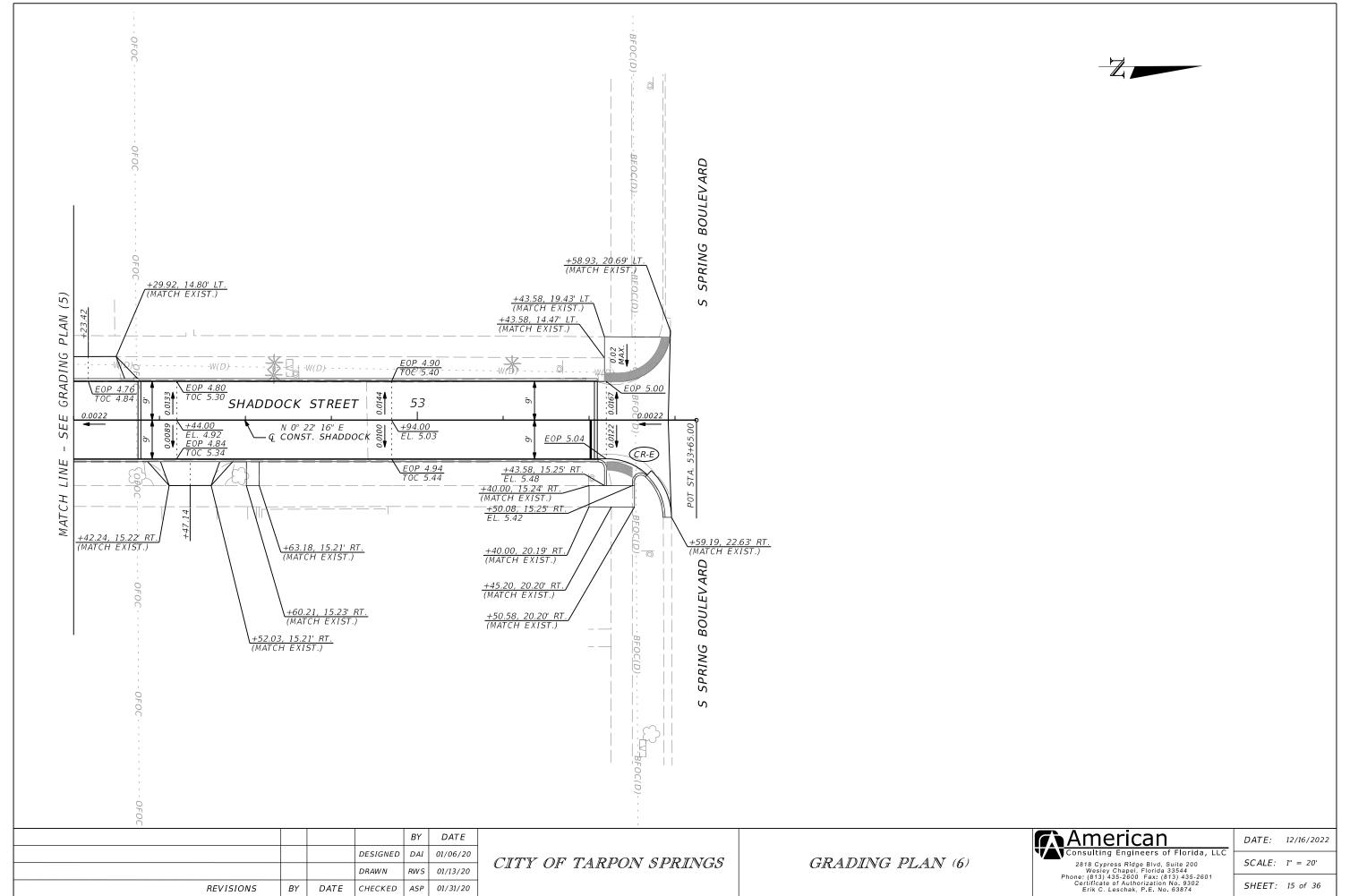
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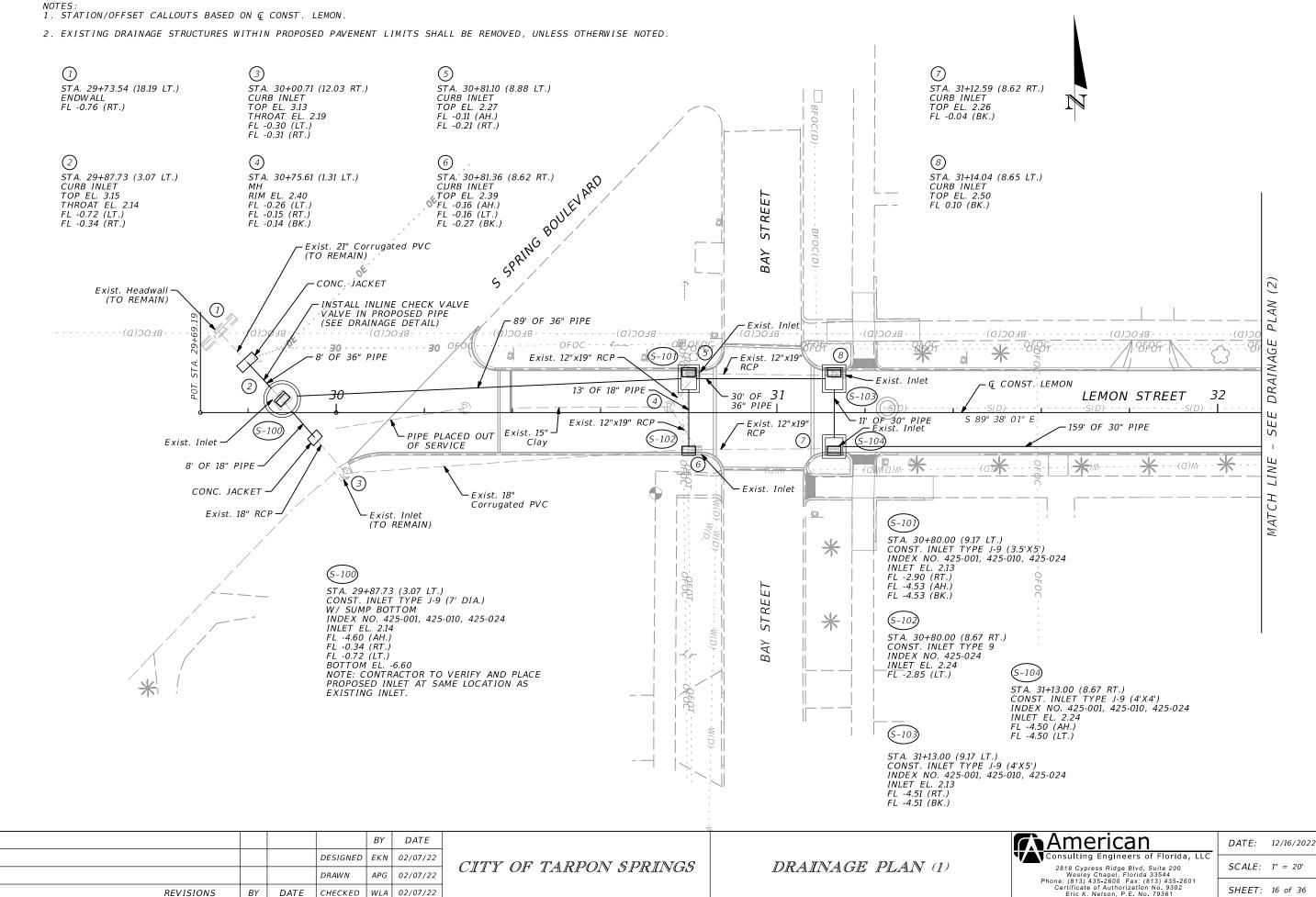
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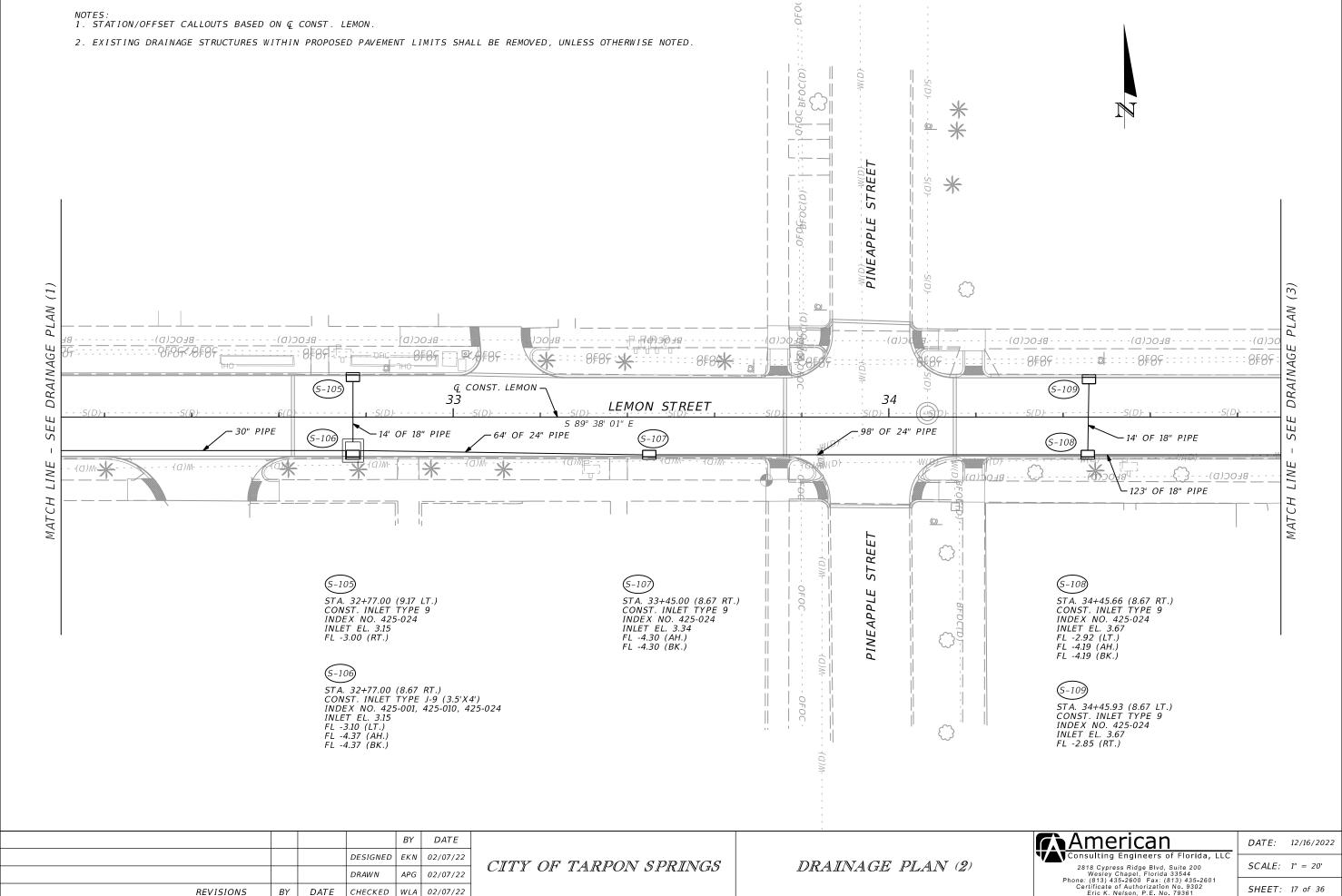




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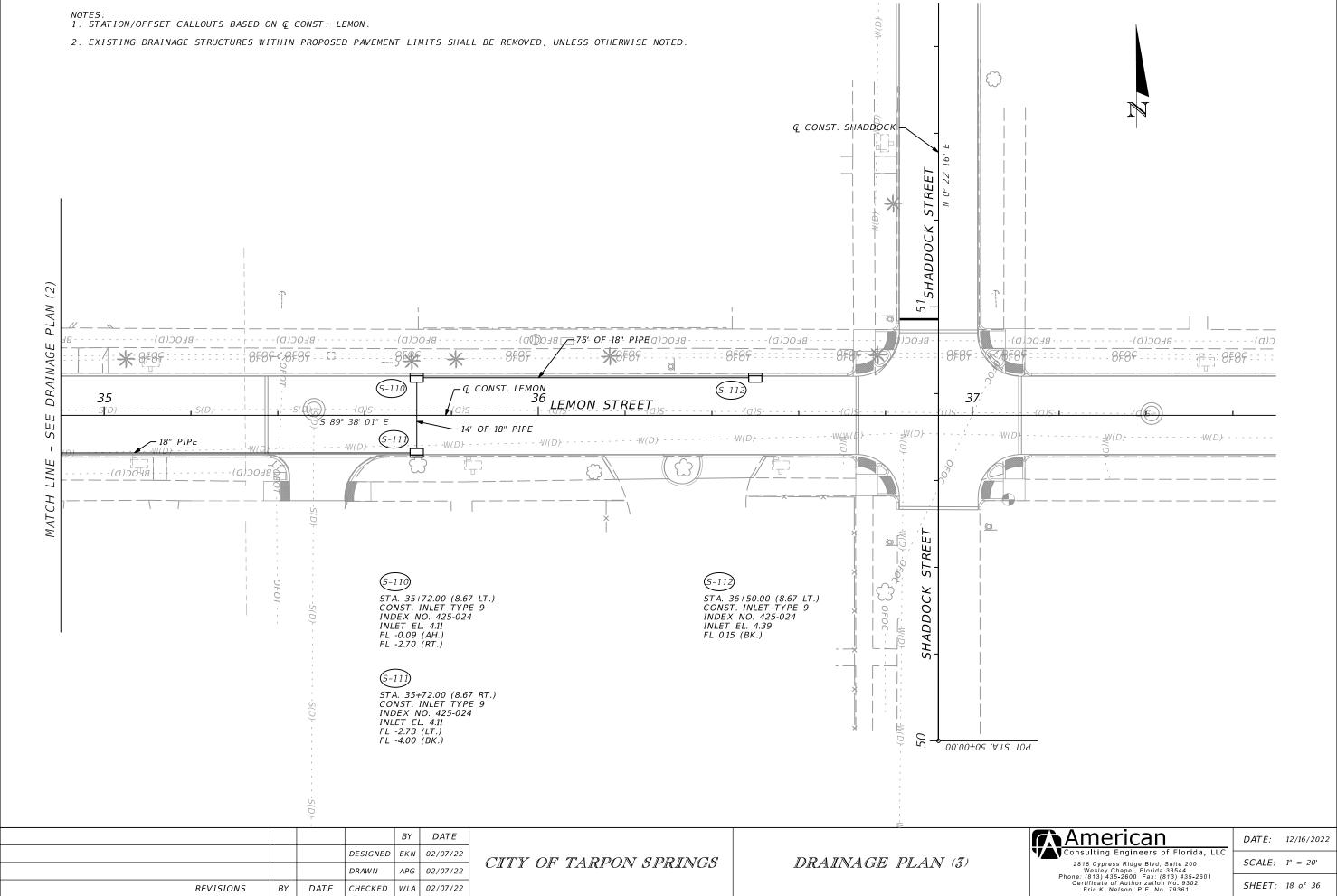
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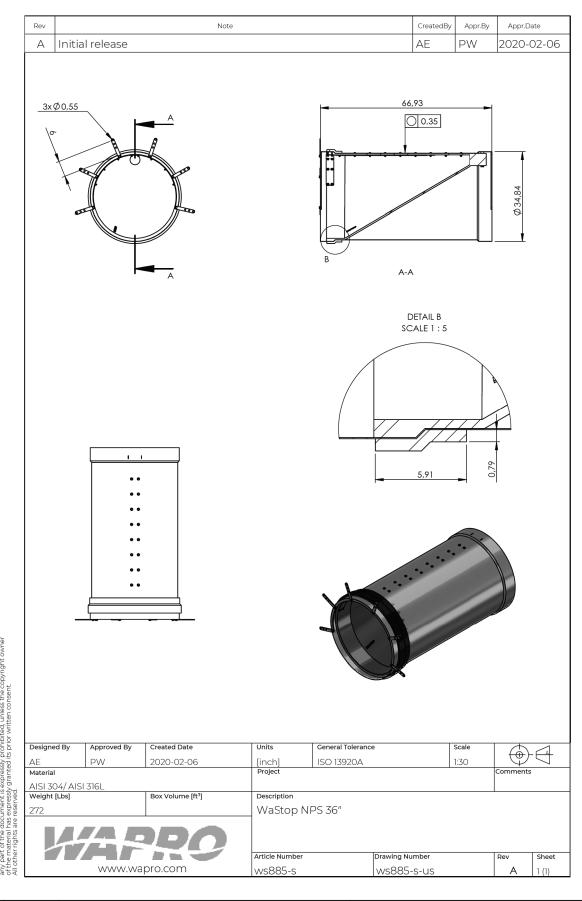


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NOTE: TO BE INSTALLED PER MANUFACTURER'S INSTRUCTIONS

				BY	DATE
			DESIGNED	EKN	02/07/22
			DRAWN	APG	02/07/22
REVISIONS	BY	DATE	CHECKED	WLA	02/07/22

CITY OF TARPON SPRINGS

DRAINAGE DETAIL

### INLINE CHECK VALVE DETAIL

American

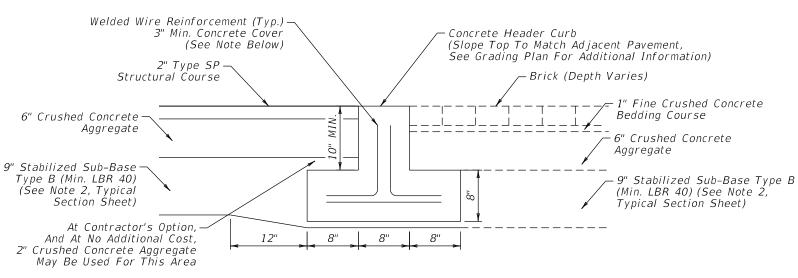
Consulting Engineers of Florida, LLC

2818 Cypress Ridge Blvd, Suite 200 Wesley Chapel, Florida 33544 Phone: (813) 435-2600 Fax: (813) 435-2601 Certificate of Authorization No. 9302 Eric K. Nelson, P.E. No. 79361

DATE: 12/16/2022 SCALE: 1" = 20'

SHEET: 19 of 36

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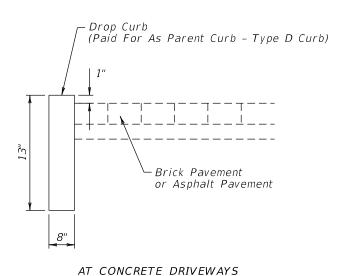
Welded wire reinforcement alternatives that meet 0.15 sg. inch per foot to be submitted by contractor for approval by the engineer. Cost of welded wire reinforcement is to be included in cost of header curb (special) pay item.

\* This detail to also be utilized for locations where the same pavement type is on both sides of the concrete header curb, mirror detail accordingly.

SAWCUT CONTRACTION JOINTS AT 10' INTERVALS

## TYPICAL DETAIL TRANSITION FROM ASPHALT TO BRICK AND CONCRETE HEADER DETAIL (No. 1)

N.T.S.



Type D Curb (Height Of Curb Reveal May Vary See Grading Plan For Locations) Transition Height at 1:12 Max. 2" (Min.) Brick Pavement or Asphalt Pavement 8"

ALONG ROADWAY

INSTALL EXPANSION JOINTS @ 50' INTERVALS AND SAWCUT CONTRACTION JOINTS @ 10' INTERVALS

## CURB DETAILS (TYPE D CURB) N.T.S.

CHECKED

DATE

01/31/20

ASP

BY DATEDESIGNED DAI 01/06/20 DRAWN RW S 01/13/20

**REVISIONS** 

CITY OF TARPON SPRINGS

CONSTRUCTION DETAILS

# ROADWAY

## **6** American Consulting Engineers of Florida, LLC

2818 Cypress Ridge Blvd, Suite 200 Wesley Chapel, Florida 33544 Phone: (813) 435-2600 Fax: (813) 435-2601 DATE: 12/16/2022 SCALE: NTS

SHEET: 20 of 36

Brick (Depth Varies) 1" Fine Crushed Concrete Bedding Course 6" Crushed Concrete Aggregate 9" Stabilized Sub-Base Type B (Min. LBR 40) (See Note 2, Typical Section Sheet) 16" Welded wire reinforcement alternatives that meet 0.15 sg. inch per foot to be submitted by contractor for approval by the engineer. Cost of welded wire reinforcement is to be included in cost of header curb (special) pay item.

Concrete Header Curb

PROPOSED PAVEMENT

(Slope Top To Match Adjacent Pavement, See Grading Plan For Additional Information)

SAWCUT CONTRACTION JOINTS AT 10' INTERVALS

Welded Wire Reinforcement (Typ.) -

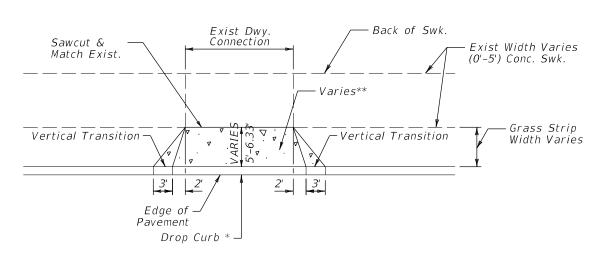
Existing Pavement

3" Min. Concrete Cover

(See Note Below)

## TYPICAL DETAIL TRANSITION FROM PROPOSED TO EXISTING PAVEMENT AND CONCRETE HEADER DETAIL (No. 2)

N.T.S.



- \* Drop curb to be paid for as Type D Curb
- \*\* To be constructed of 6" concrete or to match existing driveway material. If unpaved, to be paved with 6" concrete.

## TURNOUT DETAIL

N.T.S.

Certificate of Authorization No. 9302 Erik C. Leschak, P.E. No. 63874

12/16/2022

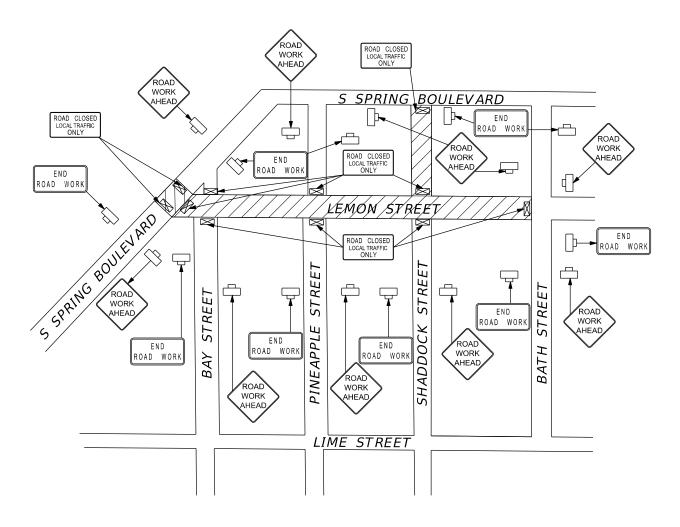
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## MAINTENANCE OF TRAFFIC GENERAL NOTES

- 1. TRAFFIC MUST BE MAINTAINED AT ALL TIMES IN ACCORDANCE WITH THE CITY OF TARPON SPRINGS STANDARDS AND THE FLORIDA DEPARTMENT OF TRANSPORTATION STANDARD PLANS FOR ROAD CONSTRUCTION, LATEST EDITION. ALL TRAFFIC CONTROL DEVICES AND SCHEMES TO CONFORM TO THE FHWA MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (2009) AND FDOT STANDARD PLANS FOR ROAD CONSTRUCTION, LATEST EDITION. THE CONTRACTOR TO SUBMIT A MAINTENANCE OF TRAFFIC PLAN TO THE CITY FOR APPROVAL AT LEAST SEVEN CALENDAR DAYS PRIOR TO THE START OF CONSTRUCTION. THE CONTRACTOR SHALL FURNISH, ERECT, AND MAINTAIN ALL NECESSARY TRAFFIC CONTROL AND SAFETY DEVICES.
- SIDE STREET AND LOCAL ACCESS SHALL BE MAINTAINED TO THE MAXIMUM EXTENT POSSIBLE FOR ALL PHASES OF CONSTRUCTION
- WHERE OPEN TRENCHES EXIST ADJACENT TO TRAVEL LANES A TEMPORARY BARRIER SHALL BE USED. UPON COMPLETION OF THE WORK, THE TRENCHES SHALL BE FILLED AND ACCESS RESTORED USING TEMPORARY FILL MATERIAL.
- TEMPORARY STOP SIGNS SHALL BE INSTALLED AS REQUIRED DURING CONSTRUCTION TO MAINTAIN SAFE OPERATION OF THE SIDE ROAD TRAFFIC.
- IF DETOURS ARE UTILIZED, DETOUR SIGNING SHALL BE ERECTED PRIOR TO OPENING THE DETOUR ROUTE. OBTAIN CITY APPROVAL OF ANY DETOUR PLANS PRIOR TO IMPLEMENTATION.
- ALL STREETS MUST BE OPEN TO LOCAL TRAFFIC DURING WORKING AND NON-WORKING HOURS. WORKING HOURS TO BE INCLUDED IN CONTRACTOR'S MAINTENANCE OF TRAFFIC PLAN AND SUBJECT TO APPROVAL BY THE CITY.
- CONSTRUCTION SIGN LOCATIONS MAY BE ADJUSTED BY THE ENGINEER BASED ON FIELD CONDITIONS
- PAYMENT FOR ALL ITEMS OUTLINED ABOVE AND AS REQUIRED FOR MAINTAINING TRAFFIC SHALL BE INCLUDED IN THE LUMP SUM UNIT COST FOR MAINTENANCE OF TRAFFIC, AND NO ADDITIONAL CLAIMS FOR TRAFFIC CONTROL WILL BE CONSIDERED.
- THE CONTRACTOR IS TO PROVIDE AN EROSION CONTROL PLAN TO THE SATISFACTION OF THE ENGINEER AND/OR LOCAL AUTHORITIES.

## TYPICAL WORK ZONE PLAN



**LEGEND** 

TYPE III BARRICADE



WORK ZONE SIGN WORK ZONE

				BY	DATE
			DESIGNED	DAI	01/06/20
			DRAWN	RW5	01/13/20
REVISIONS	BY	DATE	CHECKED	ASP	01/31/20

CITY OF TARPON SPRINGS

TRAFFIC CONTROL PLAN

12/16/2022

9:41:40 AM



2818 Cypress Ridge Blvd, Suite 200 Wesley Chapel, Florida 33544 Phone: (813) 435-2600 Fax: (813) 435-2601

Erik C. Leschak, P.E. No. 63874

SCALE: NTS

DATE: 12/16/2022

SHEET: 21 of 36



# **BORING LOCATION PLAN**

0 100 PLAN SCALE



# LEGEND

igoplus APPROXIMATE LOCATION OF AUGER BORING

DRAWN BY:

CHECKED BY:

APPROVED BY:

SEP 2017

ENGINEER OF RECORD:

KEVIN H. SCOTT, P.E. FLORIDA LICENSE NO.: 65514



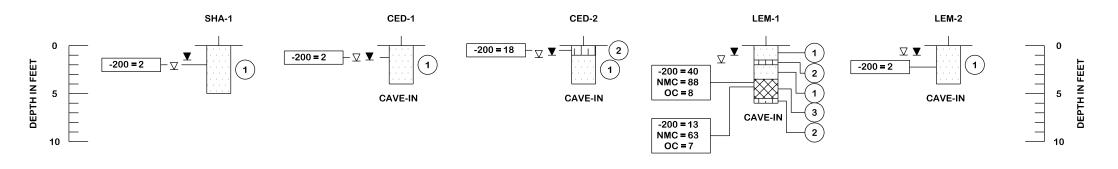
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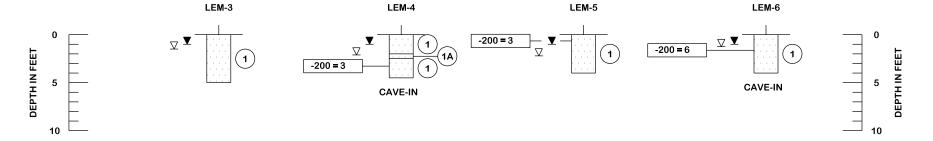
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GEOTECHNICAL ENGINEERING SERVICES
BORING LOCATION PLAN
PINELLAS COUNTY, FLORIDA

SHEET
22 of 36

# **SOIL PROFILES**





## **LEGEND**

GRAY TO BROWN SAND TO SAND WITH SILT (SP/SP-SM)

2 DARK BROWN SILTY SAND (SM)

DARK BROWN ORGANIC SILTY SAND (SM/PT)

A - WITH METAL FRAGMENTS

 $\square$  GROUNDWATER LEVEL ENCOUNTERED DURING INVESTIGATION

▼ ESTIMATED SEASONAL HIGH GROUNDWATER TABLE

P UNIFIED SOIL CLASSIFICATION SYSTEM (ASTM D 2488) GROUP SYMBOL AS DETERMINED BY VISUAL REVIEW AND LABORATORY TESTING ON SELECTED SAMPLES FOR CONFIRMATION OF VISUAL REVIEW

CAVE-IN BORING TERMINATED DUE TO CAVE-IN OF SOILS

-200 PERCENT PASSING #200 SIEVE

NMC NATURAL MOISTURE CONTENT (%)

OC ORGANIC CONTENT (%)

RECOMMENDED ENVIRONMENTAL CLASSIFICATION:
SUBSTRUCTURE CONCRETE: SLIGHTLY AGGRESSIVE
SUBSTRUCTURE STEEL: MODERATELY AGGRESSIVE (PH=6.5)

 SOIL
 TEST RESULTS:

 RESISTIVITY
 6,800 TO 22,000 OHM-CM

 CHLORIDES
 30 TO 45 PPM

 SULFATES
 0 TO 9 PPM

 pH
 6.5 TO 7.7

SW

CHECKED BY:

APPROVED BY:

SEP 2017

ENGINEER OF RECORD:
KEVIN H. SCOTT, P.E.
FLORIDA LICENSE NO.:
65514



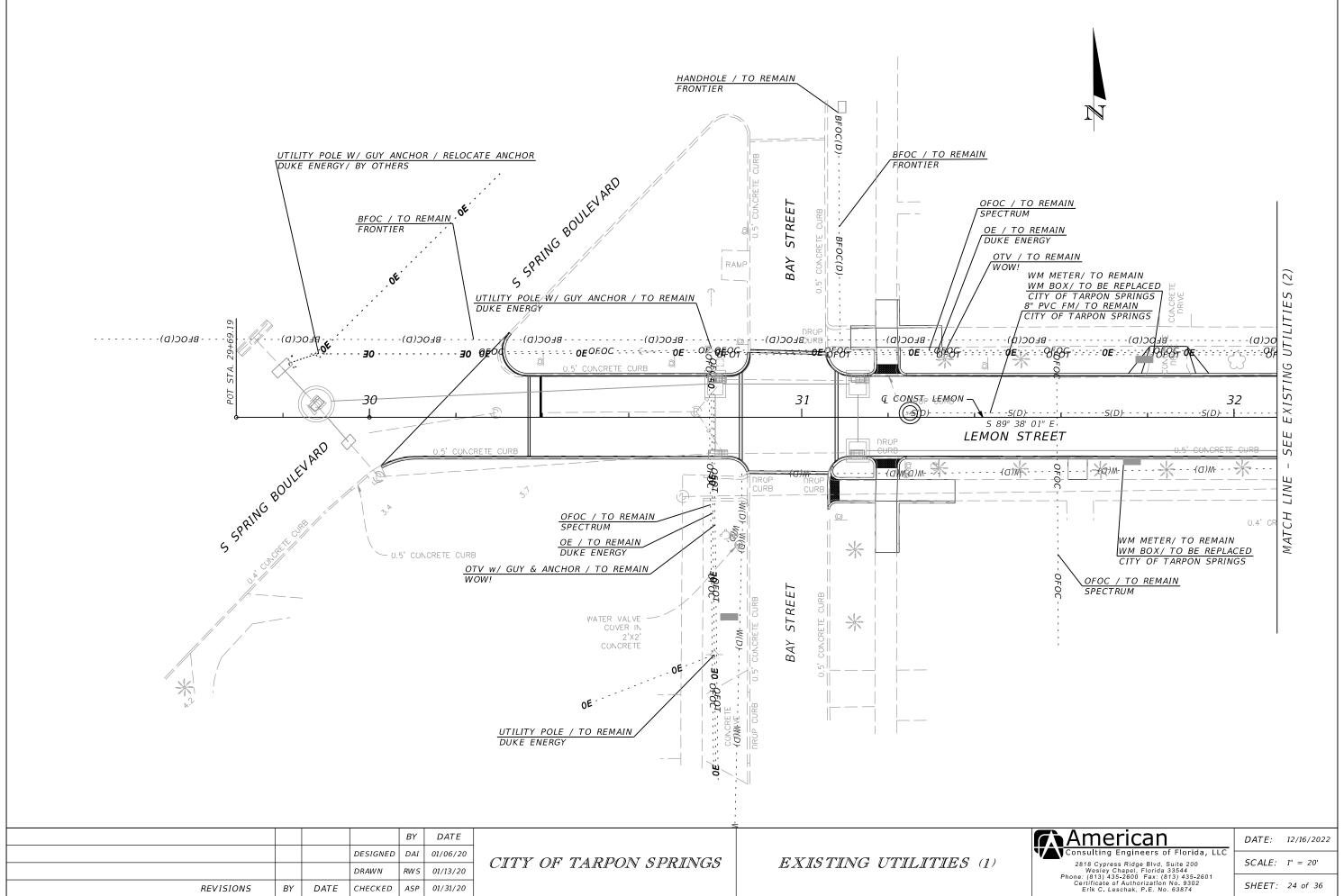
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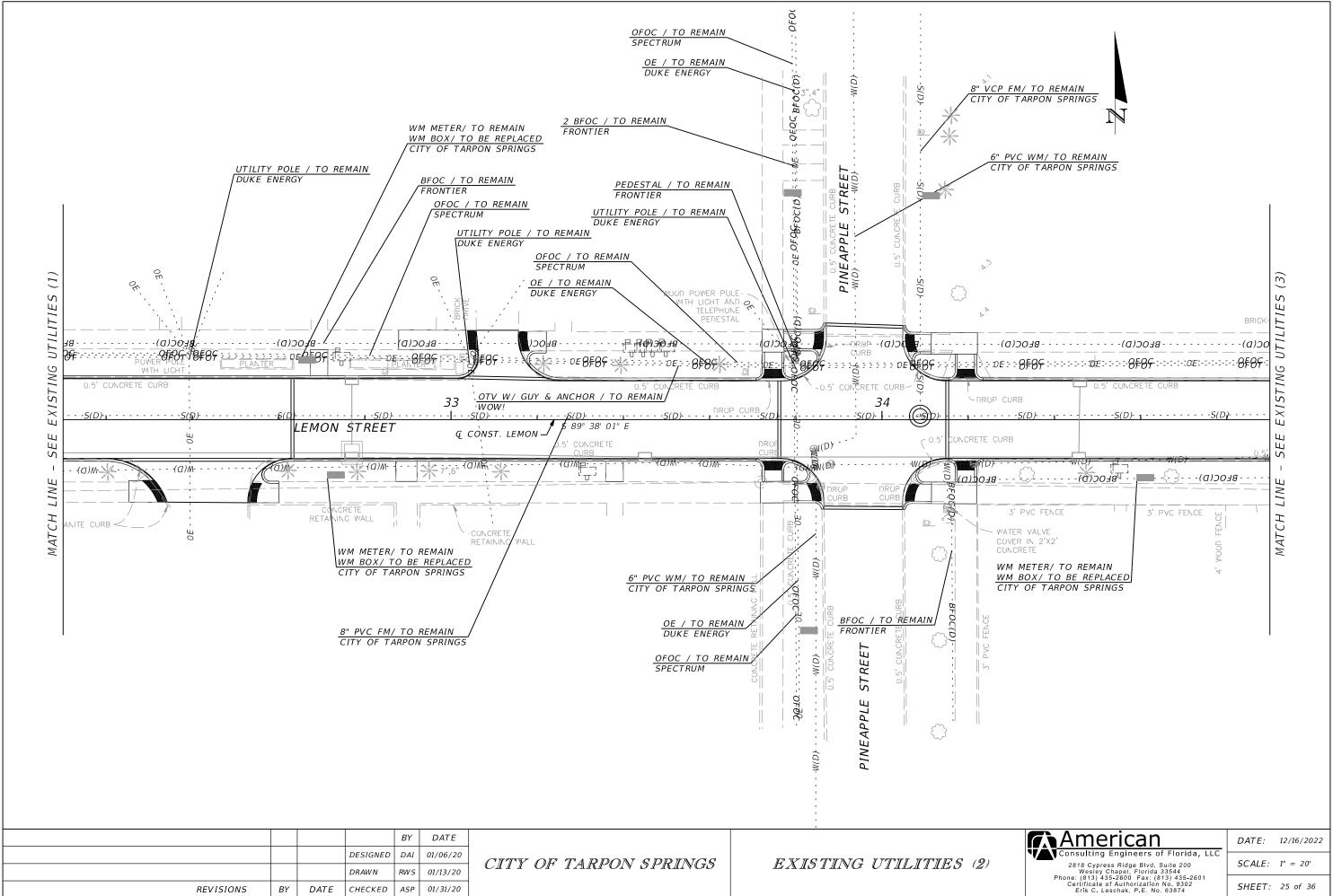
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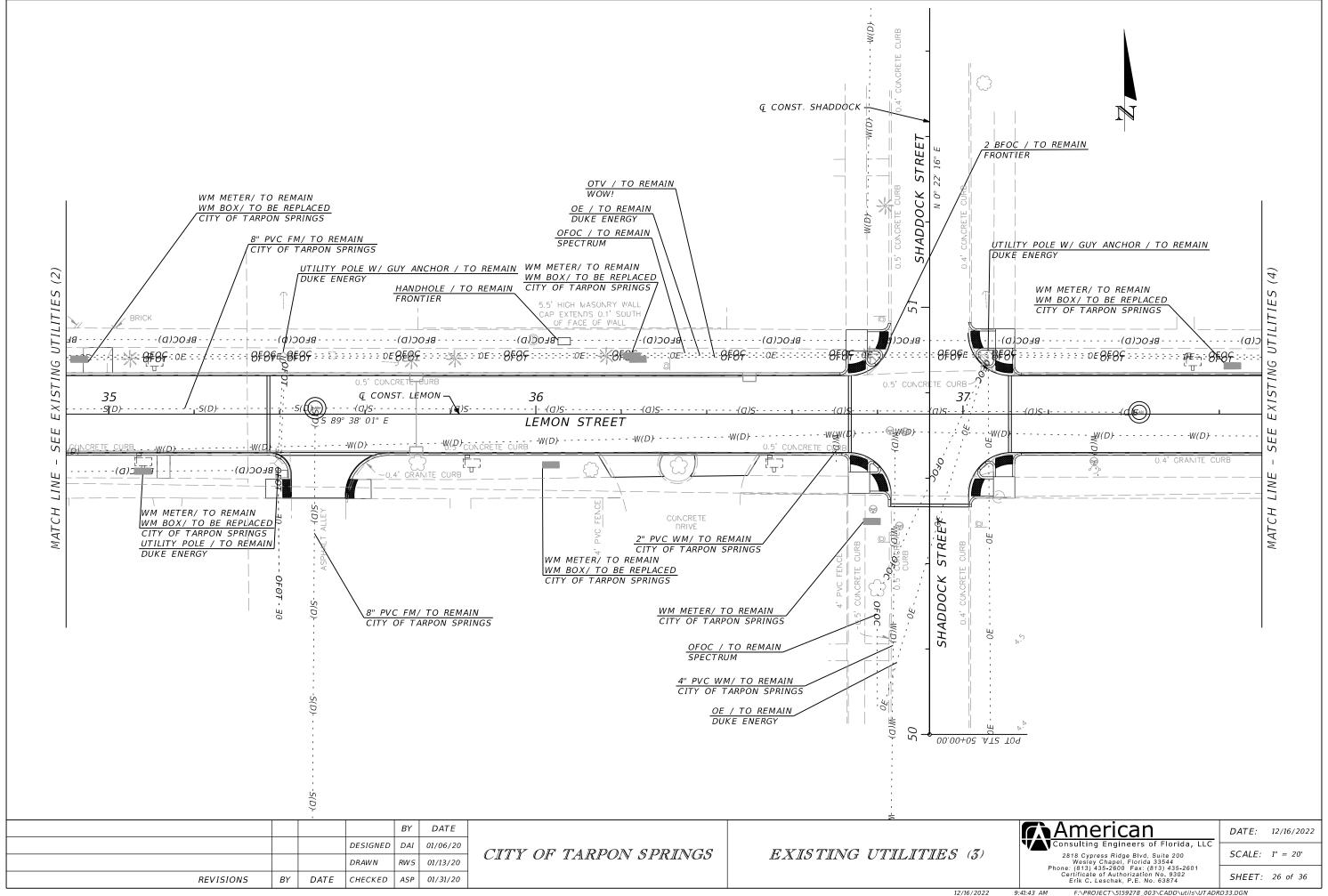
SOIL PROFILE SHEET
PINELLAS COUNTY, FLORIDA

SHEET

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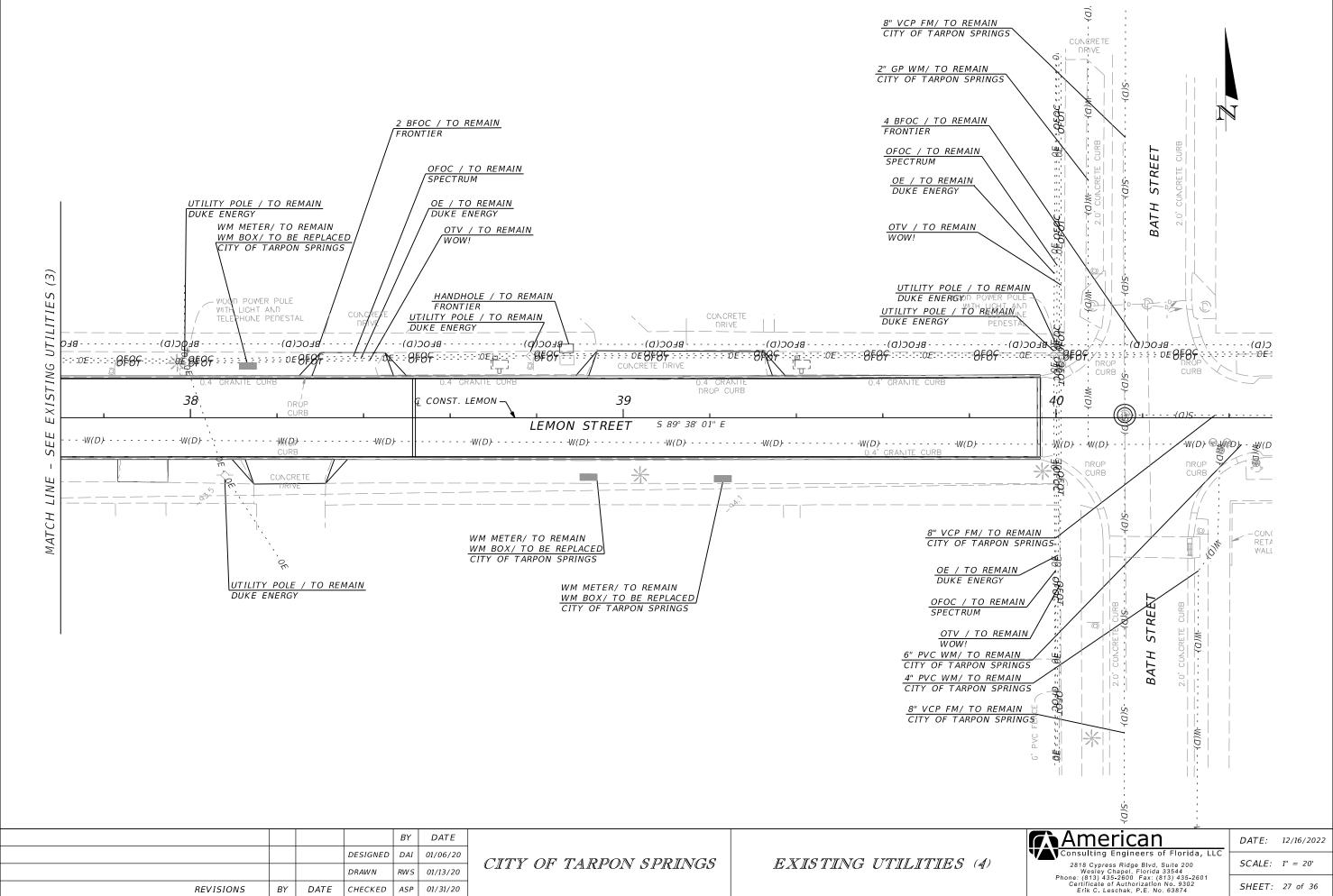


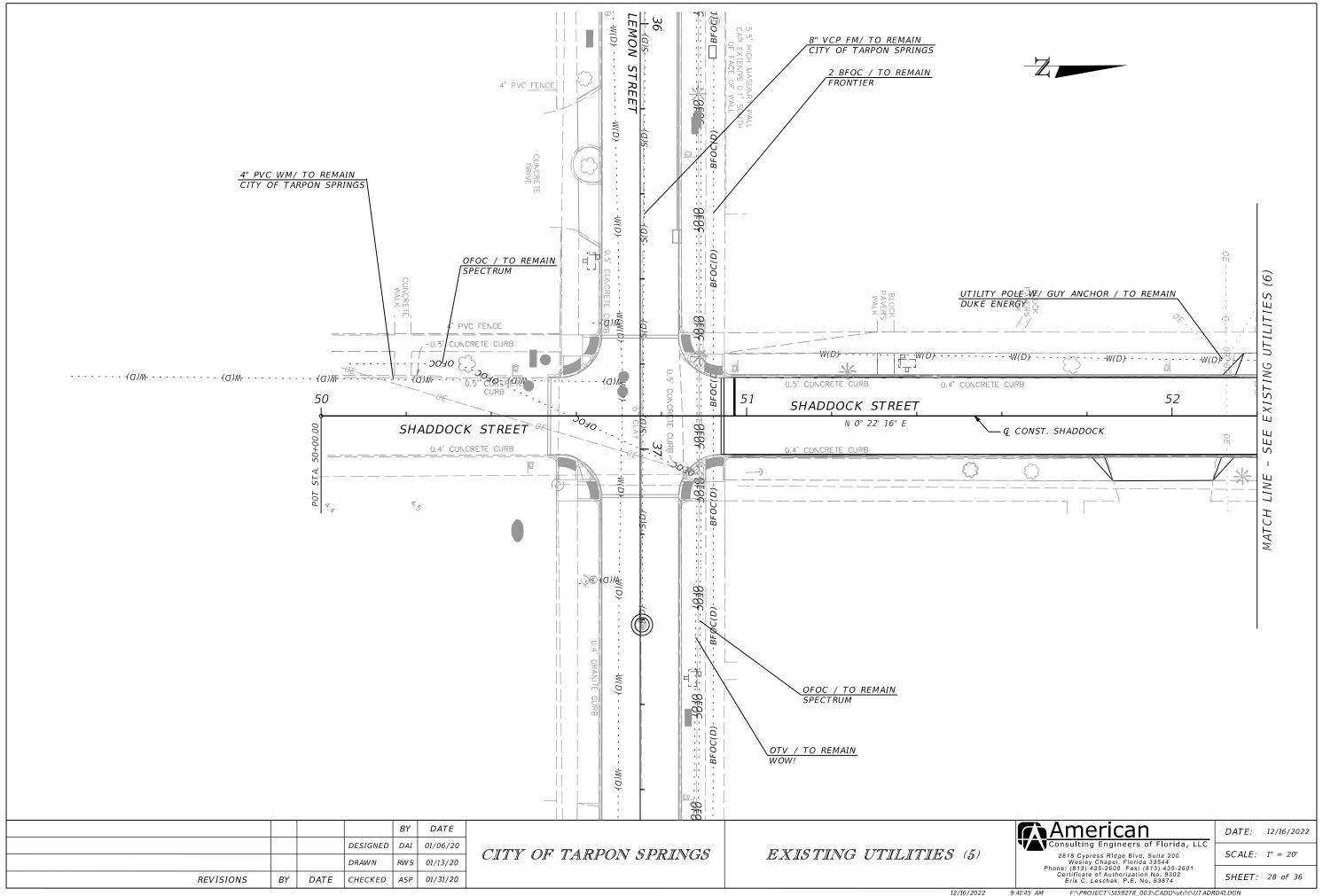


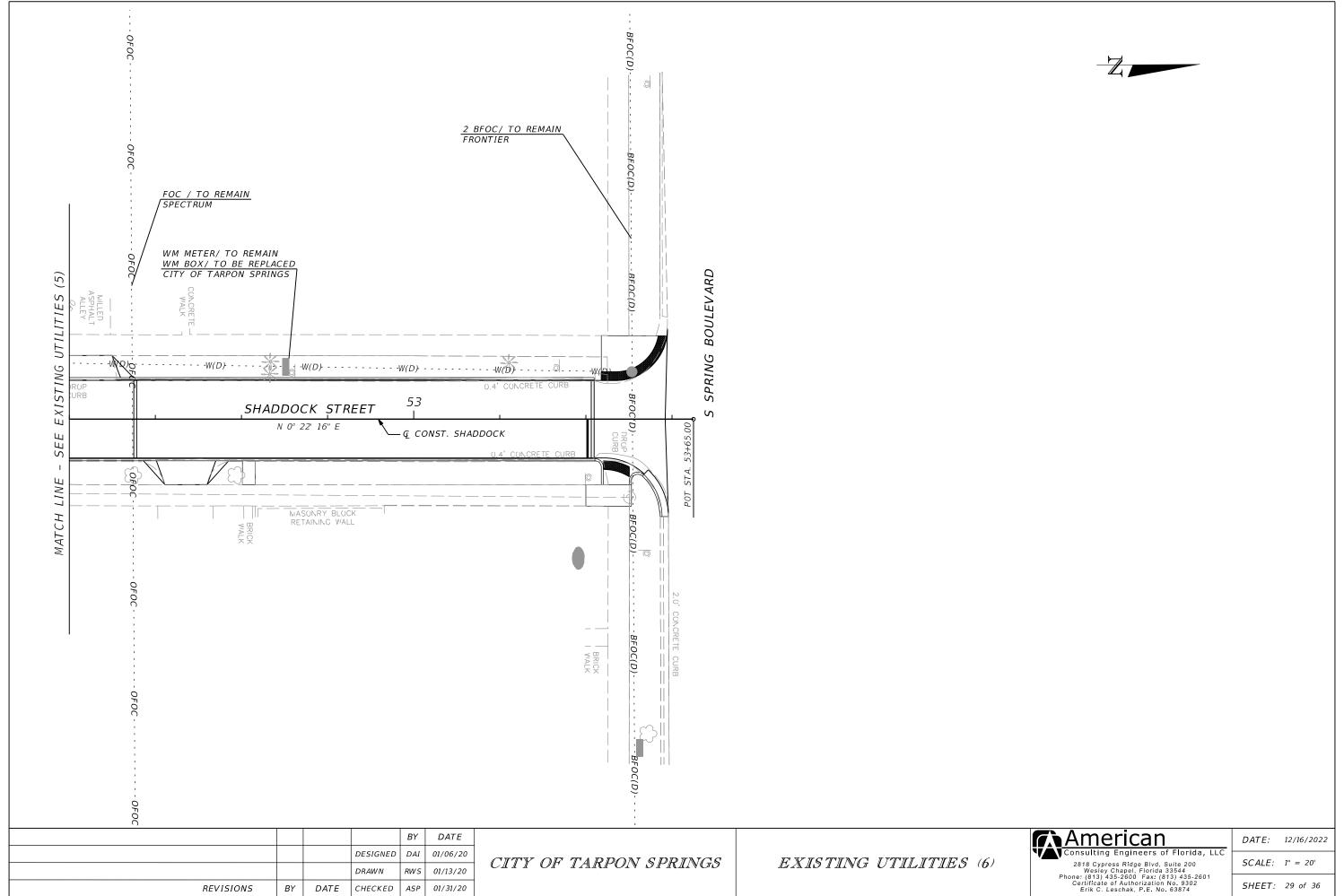


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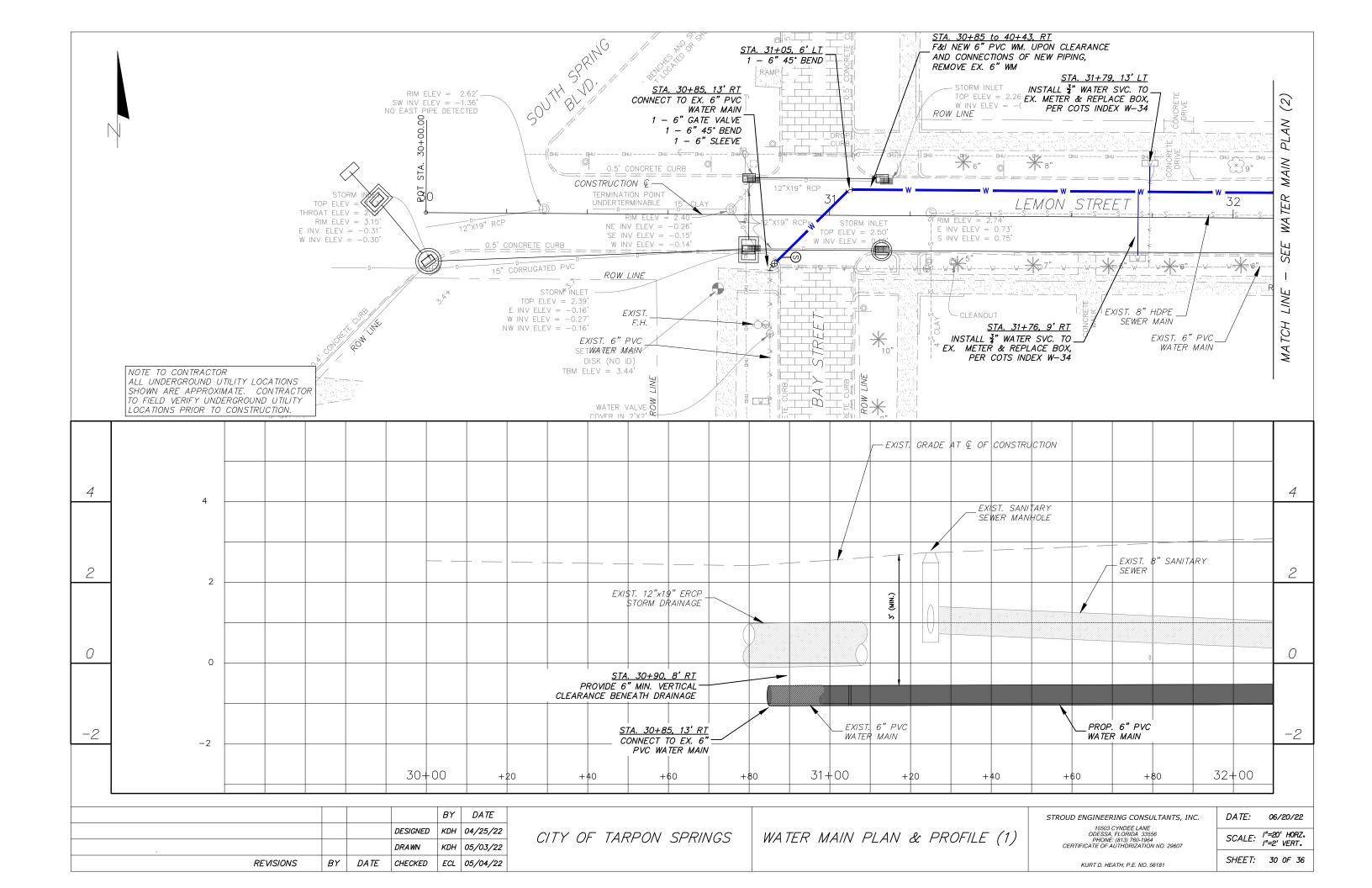


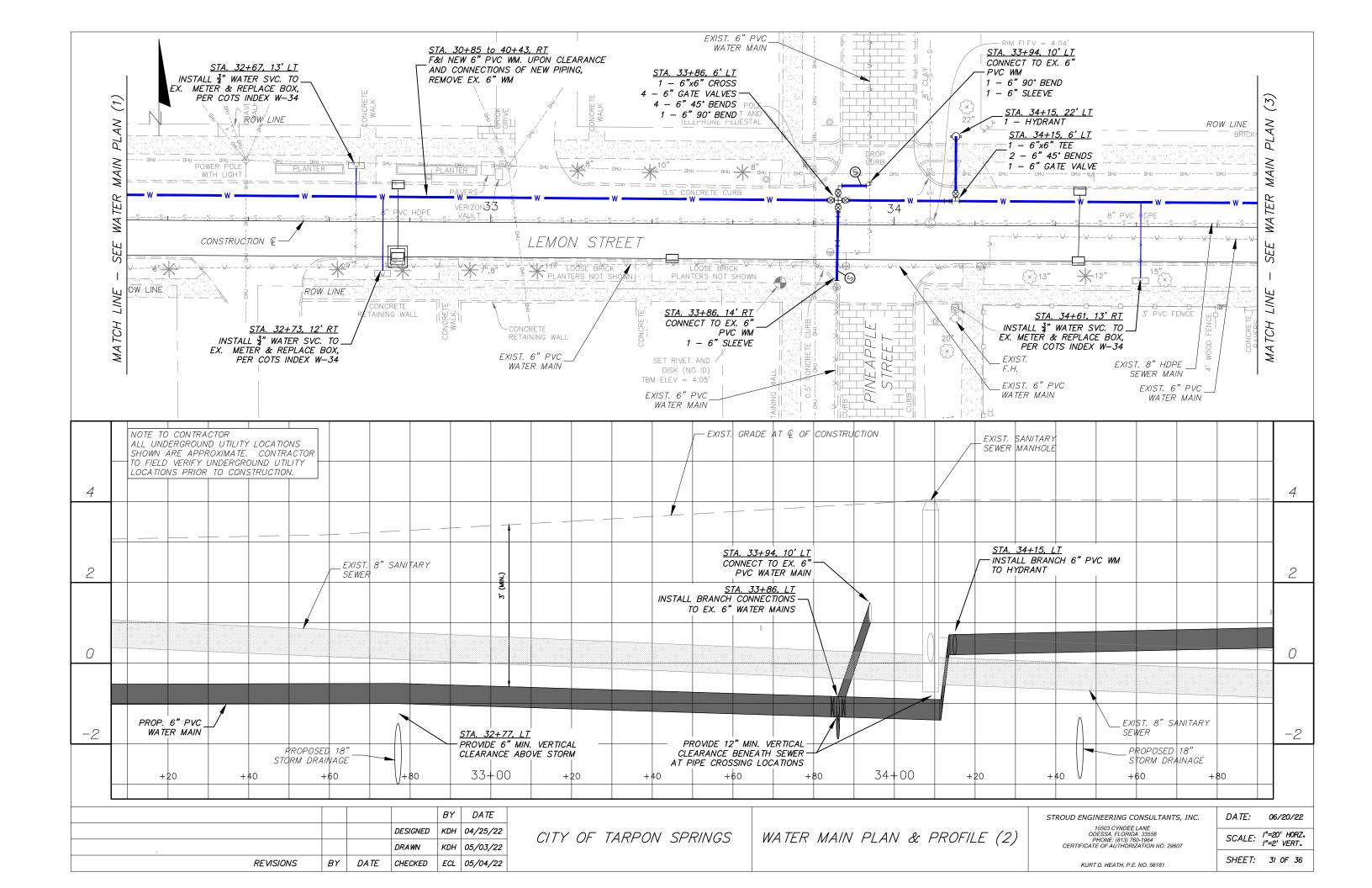


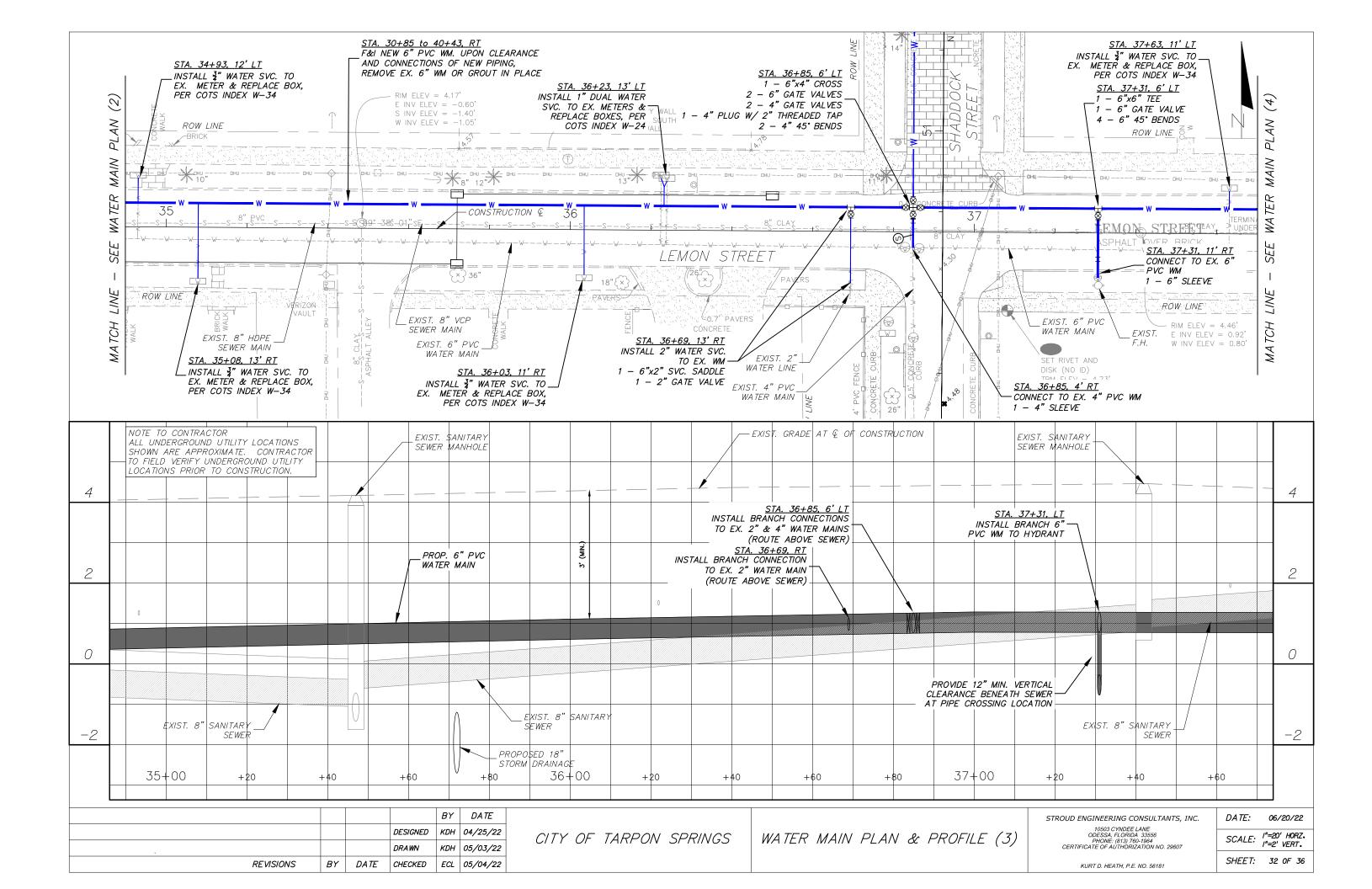


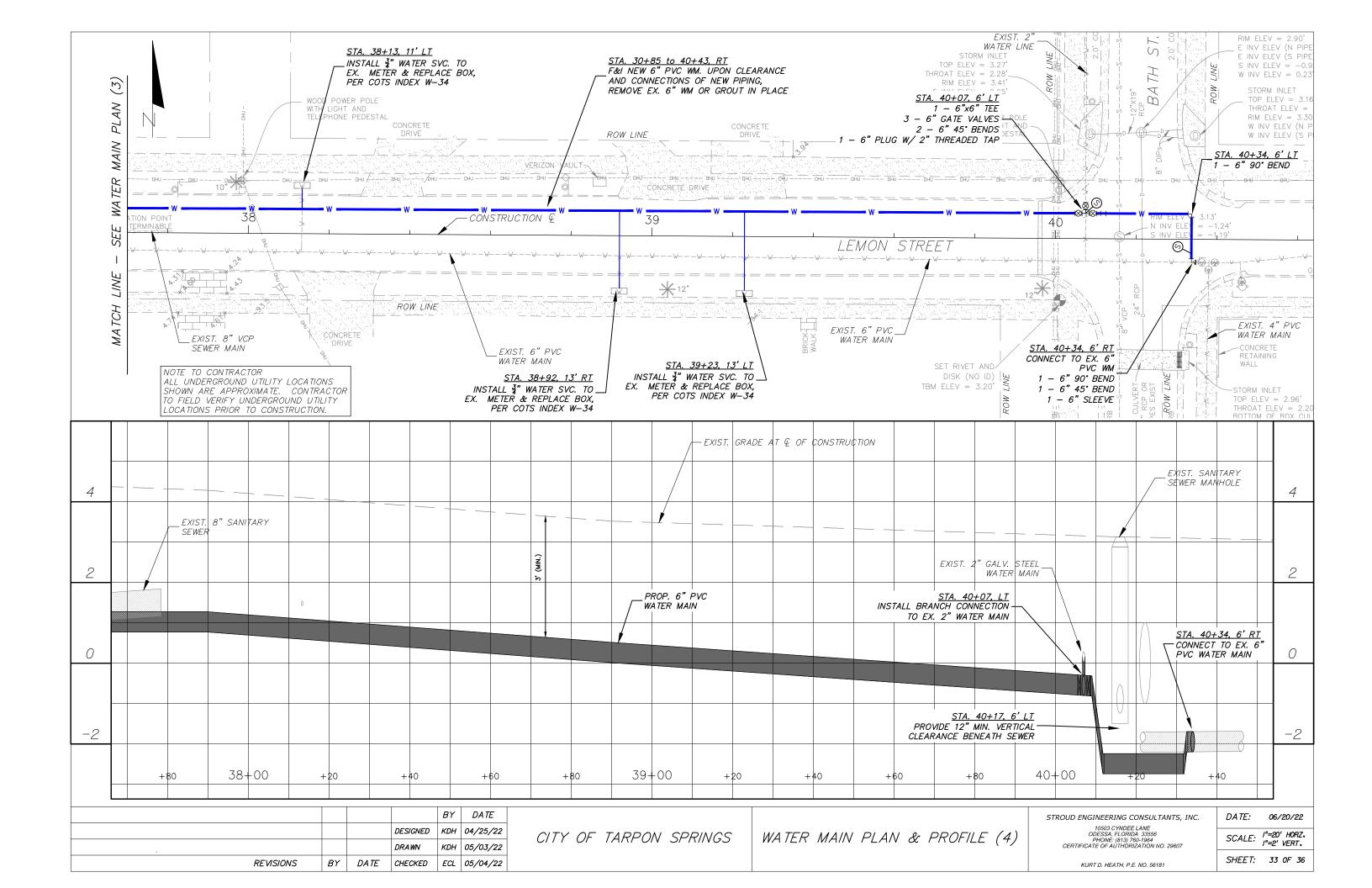
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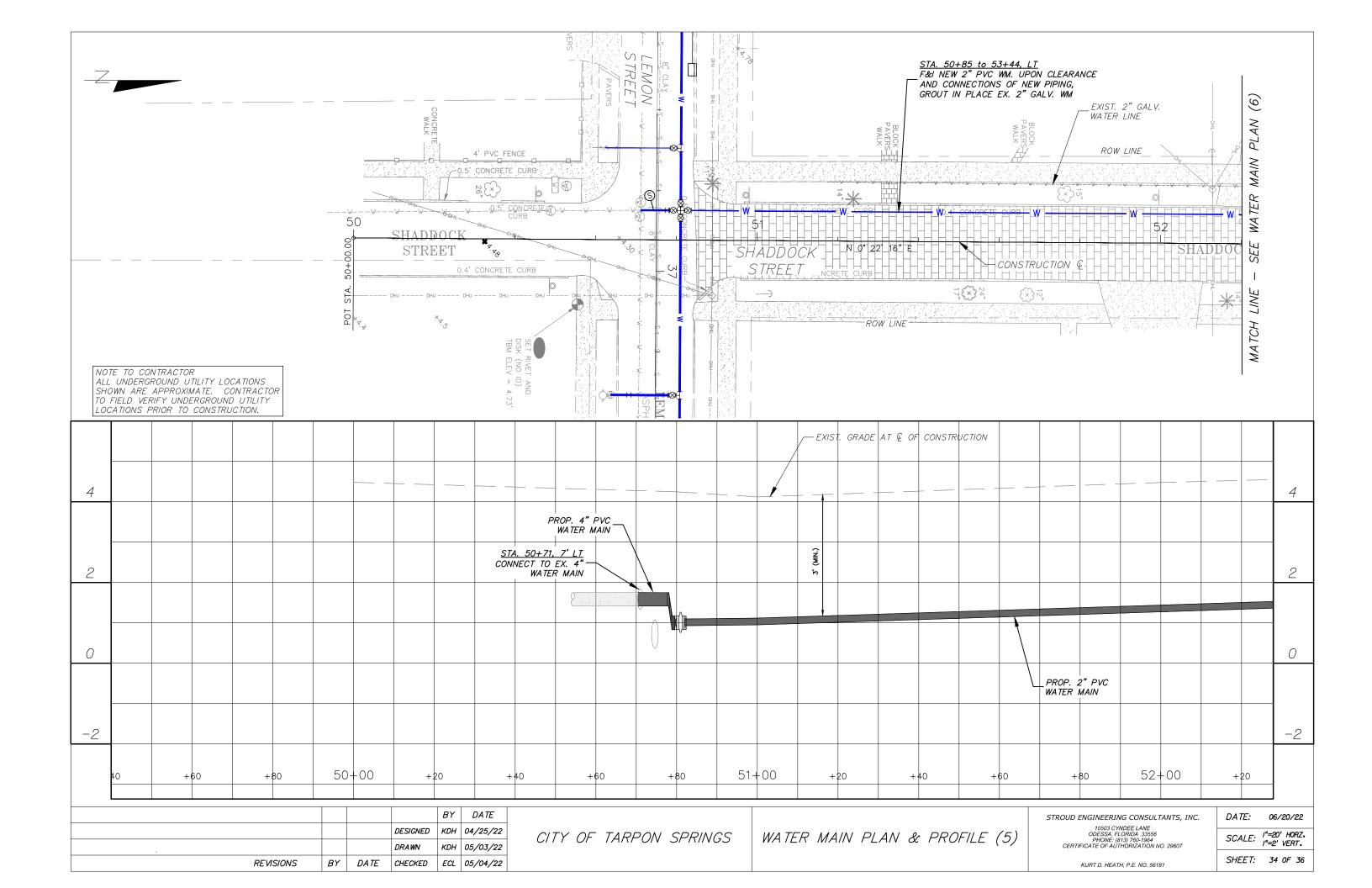
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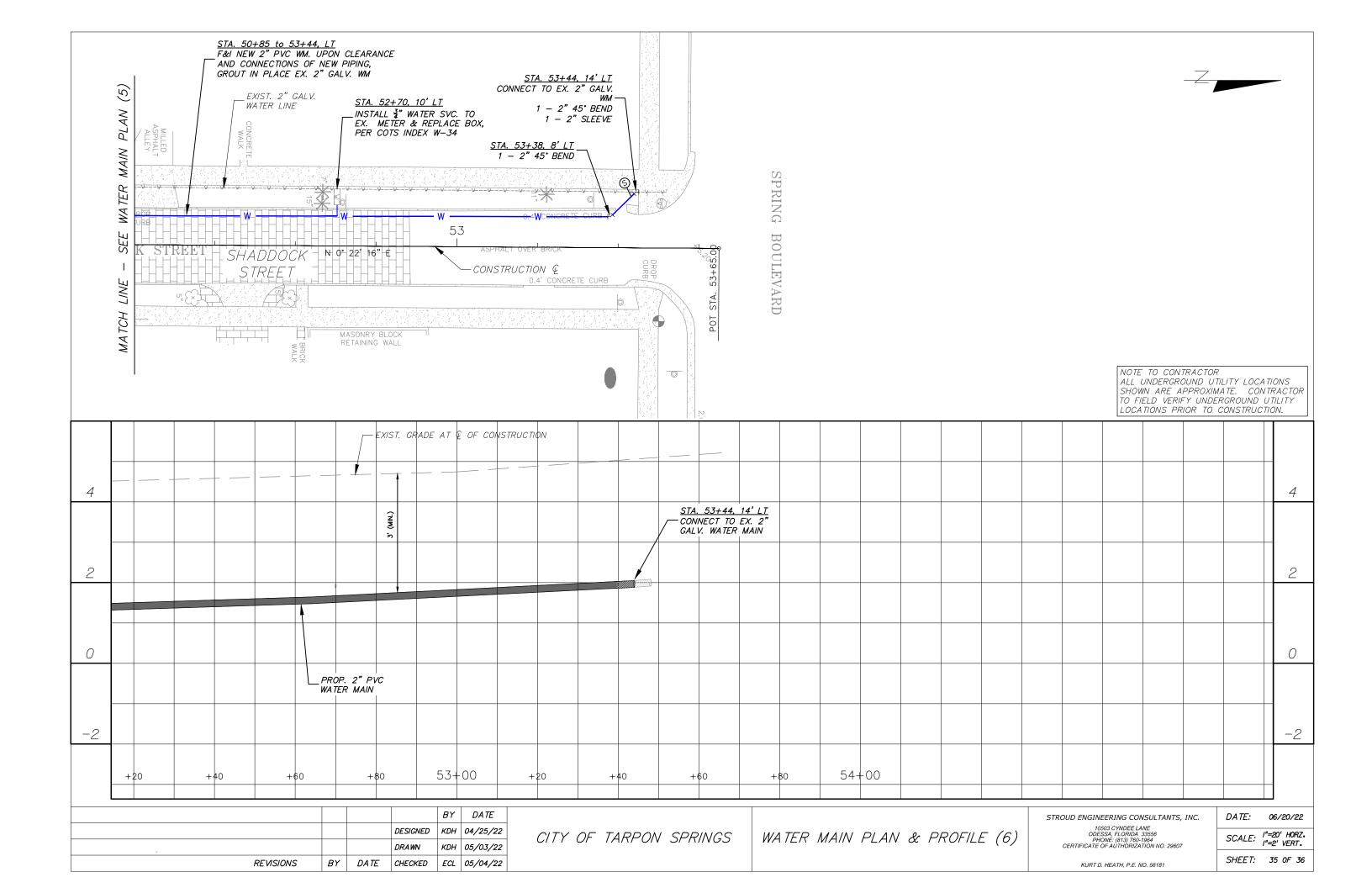








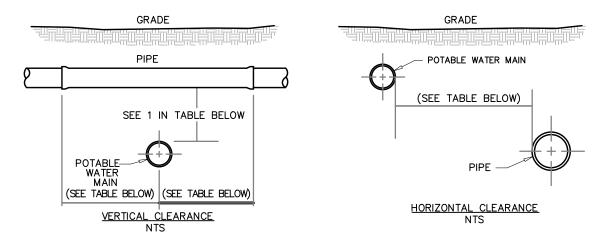




### WATER MAIN GENERAL NOTES

- 1. ALL WATER AND SEWER IMPROVEMENTS SHALL BE PERFORMED PER THE CITY OF TARPON SPRINGS STANDARD DETAILS AND STANDARD SPECIFICATIONS, LATEST EDITIONS, PUBLISHED BY THE BUILDING DEVELOPMENT DEPARTMENT.
- 2. EXCEPT WHERE THE PLANS AND SPECIFICATIONS PROVIDE THAT SUCH WORK SHALL BE PERFORMED UNDER THE CONTRACT FOR THIS PROJECT, ALL UTILITIES INTERFERING WITH CONSTRUCTION SHALL BE REMOVED, RELOCATED OR ADJUSTED BY THEIR RESPECTIVE OWNERS, AT THEIR EXPENSE. THE CONTRACTOR SHALL ARRANGE HIS SCHEDULE TO ALLOW UTILITY OWNERS TIME FOR THE NECESSARY RELOCATION AND ADJUSTMENT OF UTILITIES AND RELATED STRUCTURES. ALL CITY-OWNED UTILITIES IN CONFLICT WITH PROPOSED IMPROVEMENTS WILL BE REVIEWED WITH CONTRACTOR FOR POTENTIAL RELOCATION.
- 3. LOCATIONS AND SIZE OF THE UTILITIES AS SHOWN ON THE PLANS ARE APPROXIMATE ONLY. HOWEVER, THERE IS NO GUARANTEE THAT ALL EXISTING UTILITIES HAVE BEEN FOUND OR SHOWN. THE CONTRACTOR IS FOREWARNED TO ASCERTAIN AND DETERMINE PRECISE LOCATIONS PRIOR TO EXCAVATION. NO CLAIM FOR EXTRA COST SHALL BE MADE AS A RESULT OF THE AFOREMENTIONED APPROXIMATIONS. THE CONTRACTOR SHALL LOCATE EXACTLY ALL UTILITIES THAT CROSS THE PROPOSED UTILITIES PRIOR TO CONSTRUCTION.
- 4. SUPPORT ALL EXISTING DRAINAGE, UTILITIES, STRUCTURES, AND SURFACE FEATURES WHEN EXCAVATING AND INSTALLING PROPOSED PIPING. KEEP EXCAVATIONS DRY DURING DURING PIPING INSTALLATION, BACKFILL, AND COMPACTION ACTIVITIES. ALL COSTS ASSOCIATED WITH UTILITY SUPPORT, SHORING, SHEETING, TRENCH BOXES, AND DEWATERING SHALL BE INCIDENTAL TO UTILITY WORK ITEMS. PERFORMED
- 5. THE CONTRACTOR SHALL CONTACT THE ENGINEER'S OFFICE IMMEDIATELY ON ANY CONFLICTS BETWEEN WHAT IS HEREIN AND ACTUAL CONDITIONS DISCOVERED DURING CONSTRUCTION OF ANY IMPROVEMENTS SHOWN ON THE DRAWINGS.
- 6. CONTRACTOR IS SOLELY RESPONSIBLE FOR CONSTRUCTION SAFETY. SPECIAL PRECAUTIONS MAY BE REQUIRED IN THE VICINITY OF POWER LINES AND OTHER UTILITIES.
- 7. ALL WORK PERFORMED SHALL COMPLY WITH THE REGULATIONS, PERMIT REQUIREMENTS, AND ORDINANCES OF THE VARIOUS GOVERNMENTAL AGENCIES HAVING JURISDICTION OVER THE WORK. THIS WORK SHALL INCLUDE HYDROSTATIC TESTING AND BACTERIOLOGICAL SAMPLING OF ALL NEW WATER MAIN PIPING.
- 8. CONTRACTOR SHALL VERIFY THE LOCATION AND ELEVATION OF ALL UTILITY CONNECTION POINTS PRIOR TO CONSTRUCTION AND SHALL IMMEDIATELY NOTIFY THE ENGINEER OF ANY DISCREPANCIES FOUND.
- 9. THE CONTRACTOR IS TO CONTROL ALL FUGITIVE DUST ORIGINATING ON THIS PROJECT BY WATERING OR OTHER METHODS AS REQUIRED, INCLUDING ASPHALT PAVEMENT CUTTING.
- 10. THE CONTRACTOR SHALL COORDINATE WITH THE POWER COMPANY TO PROVIDE SUPPORT FOR UTILITY POLES WHERE CONSTRUCTION MAY CAUSE THE POLE TO LOSE ITS SELF-SUPPORTING ABILITY.
- 11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS & SEQUENCES TO ACCOMPLISH THE PROPOSED WORK.
- 12. ALL WATER MAIN PIPING 4" DIAMETER AND ABOVE SHALL BE PVC (AWWA C-900, DR 18) IN ACCORDANCE WITH THE PROJECT AND CITY SPECIFICATIONS. ALL WATER MAIN PIPING SMALLER THAN 4" DIAMETER SHALL BE PVC (SCH 40, SOLVENT WELD) OR POLYETHYLENE (AWWA C-901, SDR 9). A LOCATING TAPE SHALL BE INSTALLED ABOVE ALL PVC MAINS IN ACCORDANCE WITH THE PROJECT AND CITY SPECIFICATIONS.
- 13. CONTRACTOR SHALL PROVIDE FILL MATERIAL, AS NECESSARY, OVER CONSTRUCTED WATER MAIN TO PROVIDE REQUIRED COVER. IN AREAS WHERE PIPE LINE MAY BE INSTALLED BEFORE NEW GRADE IS COMPLETED, IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO COVER AND PROTECT THE PIPING. IN ADDITION, CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO THE CONSTRUCTED FACILITIES DUE TO THEIR OPERATIONS.
- 14. ALL ROCKS OR STONES LARGER THAN 6" IN DIAMETER SHALL BE REMOVED FROM THE BACKFILL MATERIAL. BACKFILL MATERIAL PLACED WITHIN 12" OF PIPING AND APPURTENANCES SHALL NOT CONTAIN ANY STONES LARGER THAN 2" IN DIAMETER.
- 15. RIMS OF ALL EXISTING VALVES, MANHOLES, ETC., DESIGNATED TO REMAIN SHALL BE ADJUSTED TO FINISH GRADE
- 16. THE CONTRACTOR WILL BE RESPONSIBLE FOR INSTALLING AND CONNECTING WATER SERVICE CONNECTIONS TO INDIVIDUAL HOME OWNERS, BUSINESSES, ETC. CONTRACTOR SHALL LOCATE THESE SERVICES PRIOR TO CONSTRUCTION.
- 17. THE CONTRACTOR SHALL MAINTAIN SERVICE TO THE BUSINESSES, RESIDENCES, ETC. AT ALL TIMES. THE CONTRACTOR SHALL PERFORM OPERATIONS NECESSARY FOR CONNECTING TO THE EXISTING SYSTEM AT TIMES OF MINIMUM FLOW RATE OR DURING NON—BUSINESS TIMES INCLUDING PERFORMING CONNECTIONS AT NIGHT. SAID OPERATIONS SHALL BE ACCOMPLISHED EXPEDITIOUSLY IN ORDER TO MINIMIZE SERVICE DISRUPTION. ALL SCHEDULES SHALL BE COORDINATED WITH AND APPROVED BY THE ENGINEER WITH TECHNICAL ASSISTANCE FROM THE CITY. A PLAN FOR CONNECTION SHALL BE SUBMITTED TO THE ENGINEER A MINIMUM OF 3 WORKING DAYS PRIOR TO CONNECTION, WITH NOTICE ALSO PROVIDED TO THE CITY AT LEAST 48 HOURS PRIOR TO ANY SERVICE DISRUPTION. PIPING SHALL NOT BE ALLOWED TO BE SCHEDULED FOR CONNECTION OR BE PLACED INTO SERVICE UNTIL ALL TESTING IS COMPLETED, ALL AS—BUILT DOCUMENTATION IS PROVIDED, AND CLEARANCES HAVE BEEN OBTAINED FROM THE APPLICABLE PERMITTING AGENCIES.
- 18. IN ORDER TO MAKE CONNECTIONS TO EXISTING WATER MAINS, THE CONTRACTOR SHALL PROVIDE TEMPORARY BY-PASS PIPING IN ORDER TO AVOID INTERRUPTIONS OF FLOW. THIS CAN BE ACCOMPLISHED WITH LINE STOPS AND BY-PASS PIPE.
- 19. THE CONTRACTOR IS RESPONSIBLE FOR COMPLETE RESTORATION OF ALL IMPACTED AREAS UPON COMPLETION OF CONSTRUCTION, WITH AREAS TO BE RESTORED TO MATCH OR EXCEED CONDITIONS THAT EXISTED PRIOR TO CONSTRUCTION.
- 20. THE CONTRACTOR SHALL PROVIDE AS—BUILT SURVEYING OF THE CONSTRUCTED UTILITY COMPONENTS, WITH POINTS COLLECTED AT ALL BENDS, FITTINGS, VALVES, ETC., AND AT EVERY 100' OF THE PIPING ALONG STRAIGHT SECTIONS. THE AS—BUILT SURVEY DATA SHALL BE PROVIDED IN AUTOCAD FORMAT (VERSION 2018 OR EARLIER) WITH DATA SUBMITTED ON STATE PLANE COORDINATE SYSTEM AT THE SAME ELEVATION DATUM AS USED ON THE ROADWAY PLANS.

### WATER MAIN CLEARANCES DETAIL



PIPE	HORIZONTAL SEPARATION	CROSSING (1)	JOINT SPACING @ CROSSINGS
VACUUM-TYPE SANITARY SEWER, STORM SEWER STORMWATER FORCE MAIN, RECLAIMED WATER (2)	3 FT. MINIMUM	12 INCHES IS THE MINIMUM, EXCEPT FOR STORM SEWER, THEN 6" IS THE MINIMUM AND 12" IS PREFERRED	(FULL JOINT CENTERED, ALTERNATE 3 FT. MINIMUM FOR ALL JOINTS)
GRAVITY OR PRESSURE SANITARY SEWER, SANITARY SEWER FORCE MAIN, RECLAIMED WATER (4)	10 FT. PREFERRED 6 FT. MINIMUM (3)	12 INCHES IS THE MINIMUM, EXCEPT FOR GRAVITY SEWER, THEN 6" IS THE MINIMUM AND 12" IS PREFERRED	(FULL JOINT CENTERED, ALTERNATE 3 FT. MINIMUM FOR ALL JOINTS)
ON-SITE SEWAGE TREATMENT & DISPOSAL SYSTEM	10 FT. MINIMUM		

NOTES: (IN ACCORDANCE WITH F.A.C RULE 62-555.314)

- 1. POTABLE WATER MAIN SHOULD CROSS ABOVE OTHER PIPE. WHEN POTABLE WATER MAIN MUST BE BELOW OTHER PIPE, THE MINIMUM SEPARATION IS 12 INCHES.
- 2. RECLAIMED WATER REGULATED UNDER PART III OF CHAPTER 62-610, F.A.C.
- 3. 3 FT. FOR GRAVITY SANITARY SEWER WHERE THE BOTTOM OF THE WATER MAIN IS LAID AT LEAST 6 INCHES ABOVE THE TOP OF GRAVITY SANITARY SEWER.
- 4. RECLAIMED WATER NOT REGULATED UNDER PART III OF CHPATER 62-610, F.A.C.

### UTILITY LEGEND

———— OHU ——— OHU ———	OVERHEAD ELECTRIC
G G -	EXISTING GAS LINE
BT BT	EXISTING BURIED TELEPHONE LINE
D	EXISTING STORM DRAINAGE
BF0	EXISTING FIBER OPTIC CABLE
#E # -	EXISTING UNDERGROUND ELECTRIC
WWWWW-	EXISTING POTABLE WATER
NPW	EXISTING NON-POTABLE/RECLAIMED WATER
SSSSS-	EXISTING SEWER/FORCE MAIN
******	EXISTING PIPING TO BE REMOVED
⊗	EXISTING VALVE
	PROPOSED RECLAIMED WATER MAIN PROPOSED SANITARY SEWER PROPOSED FORCE MAIN PIPING
IØI	PROPOSED AIR RELEASE VALVE ASSEMBLY
⊗	PROPOSED GATE VALVE
<b>S</b>	PROPOSED BACTERIOLOGICAL SAMPLING POINT
1891	PROPOSED BLOWOFF ASSEMBLY

				BY	DATE
			DESIGNED	KDH	04/25/22
			DRAWN	KDH	05/03/22
REVISIONS	BY	DATE	CHECKED	ECL	05/04/22

CITY OF TARPON SPRINGS

WATER MAIN DETAILS & UTILITY LEGEND STROUD ENGINEERING CONSULTANTS, INC.

10503 CYNDEE LANE ODESSA, FLORIDA 33556 PHONE: (813) 760-1964 CERTIFICATE OF AUTHORIZATION NO. 29607

SCALE: N/A

SHEET: 36 OF 36

05/04/22

DATE:

KURT D. HEATH, P.E. NO. 56181