## CONTRACT PLANS COMPONENTS

ROADWAY PLANS
SIGNING AND PAVEMENT MARKING PLANS

# COUNTY OF PALM BEACH
# STATE OF FLORIDA
# GUN CLUB ROAD
## FROM FOREST ESTATES DR TO LWDD E-3 CANAL

BOARD OF COUNTY COMMISSIONERS
PROJECT NO. 2018501

HAL R. VALECHE
DISTRICT 1

GREGG K. WEISS
DISTRICT 2

DAVE KERNER
DISTRICT 3

ROBERT S. WEINROTH
DISTRICT 4

MARY LOU BERGER
DISTRICT 5

MELISSA MCKINLAY
DISTRICT 6

MACK BERNARD
DISTRICT 7

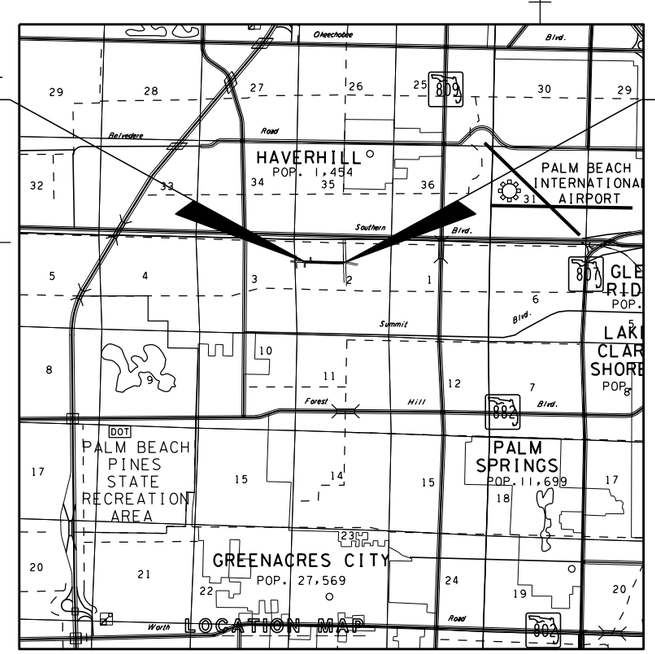
PRELIMINARY
SUBJECT TO CHANGE

## INDEX OF ROADWAY PLANS


| SHEET NO. | SHEET DESCRIPTION |
|---|---|
| 1 | KEY SHEET |
| 2 - 4 | TYPICAL SECTION |
| 5 | GENERAL NOTES |
| 6 | DRAINAGE MAP |
| 7 | SUMMARY OF DRAINAGE STRUCTURES |
| 8 - 12 | ROADWAY PLAN |
| 13 - 17 | PROFILE |
| 18 - 27 | DRIVEWAY PROFILE |
| 28 - 54 | CROSS SECTIONS |
| CTL-1 - CTL-3 | PROJECT NETWORK CONTROL |
| GR-1 | ROADWAY SOILS SURVEY |


BEGIN PROJECT
STA. 23+36.27

END PROJECT
STA. 49+57.71




LOCATION MAP
N.T.S.

N.T.S.

PROJECT LENGTH IS BASED ON ℄ OF CONSTRUCTION

| LENGTH OF PROJECT | | |
|---|---|---|
| | LINEAR FEET | MILES |
| ROADWAY | 2621.44 | 0.496 |
| BRIDGES | | |
| NET LENGTH OF PROJECT | 2621.44 | 0.496 |
| EXCEPTIONS | | |
| GROSS LENGTH OF PROJECT | 2621.44 | 0.496 |

PLANS WERE PREPARED BASED ON THE NAVD 1988 DATUM
NGVD 1929 DATUM ELEVATION - 1.512' = NAVD 1988 DATUM ELEVATION

## PHASE ID – 35% SUBMITTAL

### GOVERNING STANDARD PLANS:

Florida Department of Transportation, FY2020-21 Standard Plans for Road and Bridge Construction and applicable Interim Revisions (IRs).

Standard Plans for Road Construction and associated IRs are available at the following website: http://www.fdot.gov/design/standardplans

### GOVERNING STANDARD SPECIFICATIONS:

Florida Department of Transportation, JANUARY 2020 Standard Specifications for Road and Bridge Construction at the following website: http://www.fdot.gov/programmanagement/Implemented/SpecBooks

### ENGINEER'S CERTIFICATION

I HEREBY CERTIFY THAT THE ATTACHED PLANS AND DESIGN ARE IN SUBSTANTIAL COMPLIANCE WITH THE DESIGN STANDARDS AND CRITERIA IN EFFECT ON THIS DATE FOR PALM BEACH COUNTY ENGINEERING DEPARTMENT AND THE STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION.

APPROVED BY: MAJHARUL ALAM, P.E.

DATE: 12/18/2019

P.E. NO.: FL REGISTRATION NO 61600

S:\18130101-02_Gun_Club_Rd\2018501\roadway\KEYSRD01.DGN


PROPEL ENGINEERING, INC.
6685 FOREST HILL BLVD., SUITE NO. 205
GREENACRES, FLORIDA 33413
FLORIDA BUSINESS CERT. NO. 31050
PHONE (561) 866-5730


Seal:

| No. | Revisions | By | Date |
|---|---|---|---|
| | | | |

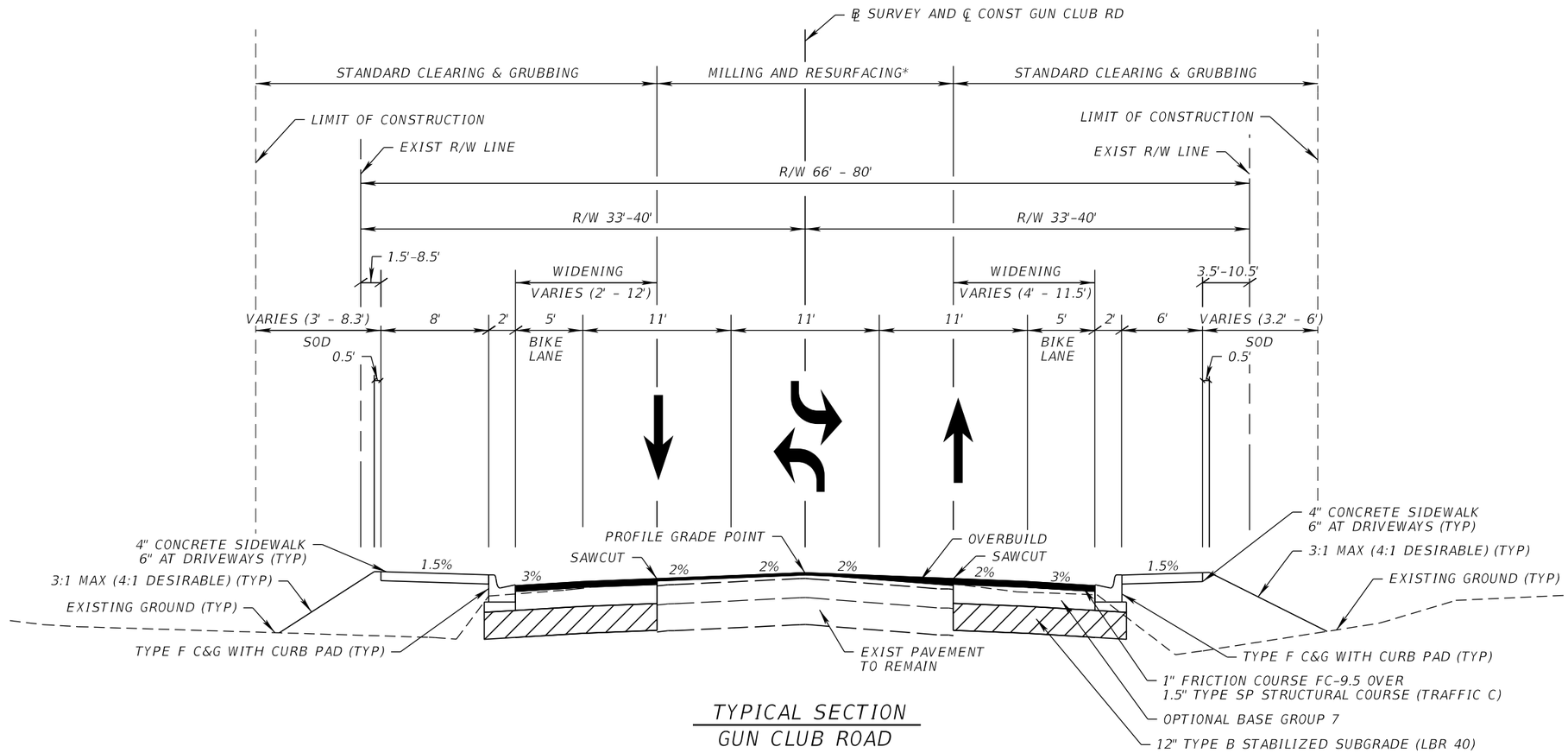
PALM BEACH COUNTY
ENGINEERING AND PUBLIC WORKS
ROADWAY PRODUCTION
P.O. BOX 21229, WEST PALM BEACH, FLORIDA

SCALE: NTS
APPROVED: MA
DRAWN: IA
CHECKED: JJV
DATE: 11/25/19

GUN CLUB RD
FOREST ESTATES BLVD TO LWDD E-3 CANAL
KEY SHEET

SHEET: 1
OF: 54
PROJECT NO. 2018501

Istiak Ahmed 12/20/2019 2:03:15 AM




## TYPICAL SECTION

GUN CLUB ROAD
CYPRESS AVE TO JFK MEMORIAL BLVD
STA. 23+36.27 TO STA. 36+40.00

### MILLING

MILL EXISTING ASPHALT
PAVEMENT (1" AVERAGE DEPTH)

### RESURFACING

1" FRICTION COURSE FC-9.5 (RUBBER)

### WIDENING

OPTIONAL BASE GROUP 7 WITH TYPE B STABILIZED SUBGRADE (LBR 40)
1.5" TYPE SP STRUCTURAL COURSE (TRAFFIC C)
1" FRICTION COURSE FC-9.5 (RUBBER)

### OVERBUILD

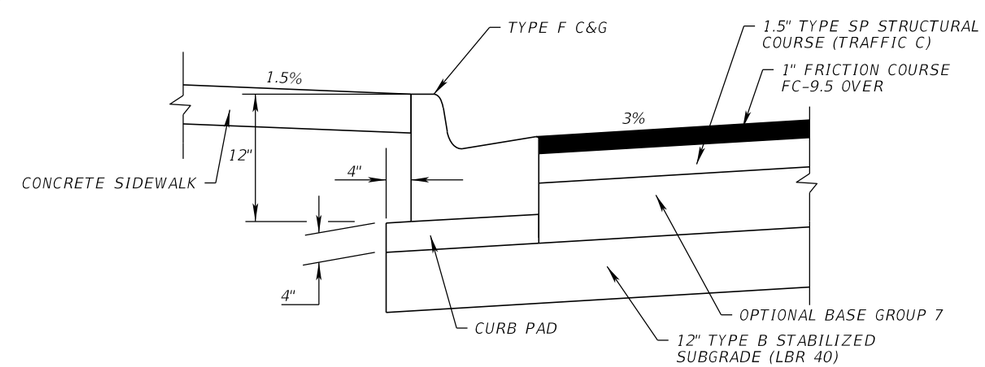
TYPE SP STRUCTURAL COURSE (TRAFFIC C)
(THICKNESS AS REQUIRED)

### ASPHALT DRIVEWAY

OPTIONAL BASE GROUP 2 WITH
1.5" TYPE SP STRUCTURAL COURSE (TRAFFIC B)

DESIGN SPEED = 40 MPH
POSTED SPEED = 35 MPH

* SEE PLANS FOR LIMIT OF MILLING AND RESURFACING




## CURB PAD CONSTRUCTION DETAIL

N.T.S

S:\18130101-02_Gun_Club_Rd\2018501\roadway\TYPSRD01.dgn


PROPEL
PROPEL ENGINEERING, INC.
6685 FOREST HILL BLVD., SUITE NO. 205
GREENACRES, FLORIDA 33413
FLORIDA BUSINESS CERT. NO. 31050
PHONE (561) 866-5730


Seal:
xx
P.E# x

| No. | Revisions | By | Date |
|---|---|---|---|
| | | | |

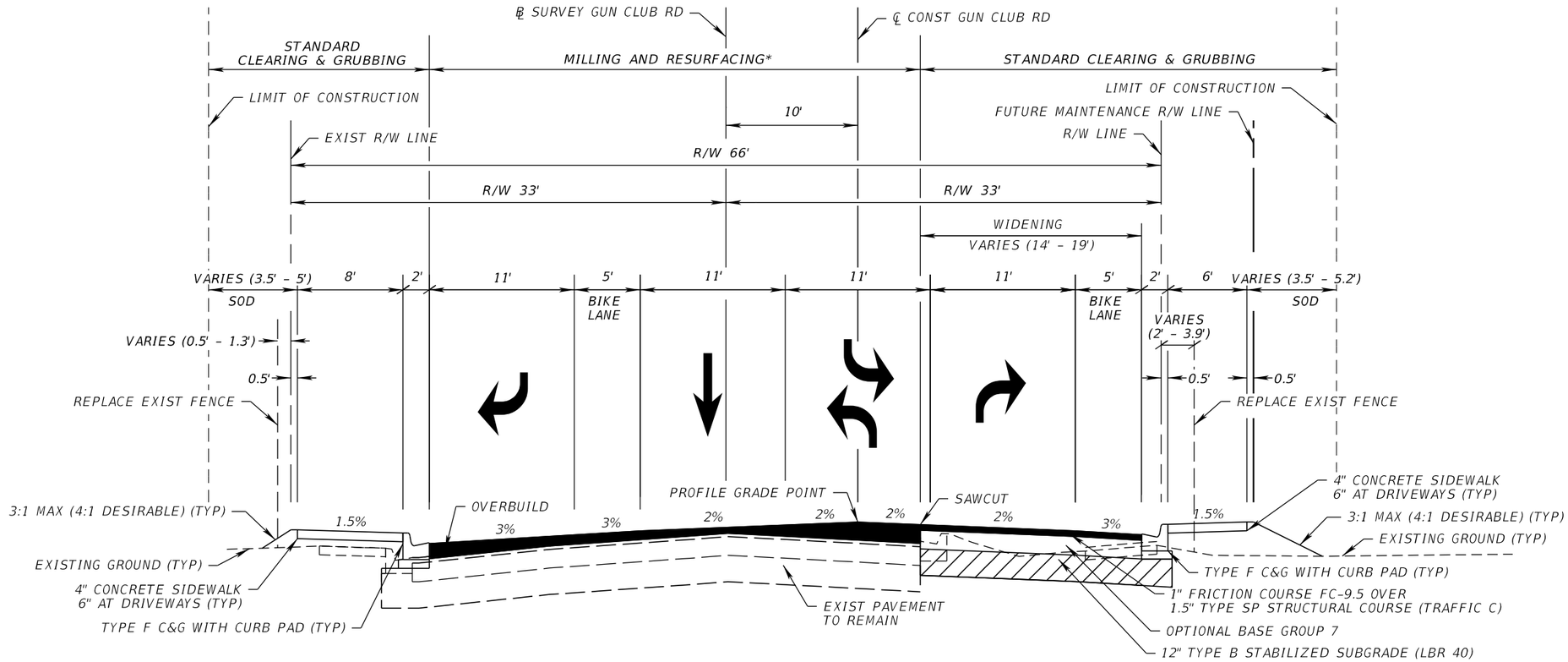
PALM BEACH COUNTY
ENGINEERING AND PUBLIC WORKS
ROADWAY PRODUCTION
P.O. BOX 21229, WEST PALM BEACH, FLORIDA

SCALE: N.T.S.
APPROVED: MA
DRAWN: IA
CHECKED: JJV
DATE: 11/25/19

GUN CLUB RD
FOREST ESTATES BLVD TO LWDD E-3 CANAL
TYPICAL SECTION

SHEET: 2
OF: 54
PROJECT NO. 2018501

Istiak Ahmed 12/19/2019 5:42:26 PM




## TYPICAL SECTION

GUN CLUB ROAD
JFK MEMORIAL BLVD TO PINE TRAIL
STA. 36+40.00 TO STA. 40+10.00

### MILLING

MILL EXISTING ASPHALT
PAVEMENT (1" AVERAGE DEPTH)

### RESURFACING

1" FRICTION COURSE FC-9.5 (RUBBER)

### WIDENING

OPTIONAL BASE GROUP 7 WITH TYPE B STABILIZED SUBGRADE (LBR 40)
1.5" TYPE SP STRUCTURAL COURSE (TRAFFIC C)
1" FRICTION COURSE FC-9.5 (RUBBER)

### OVERBUILD

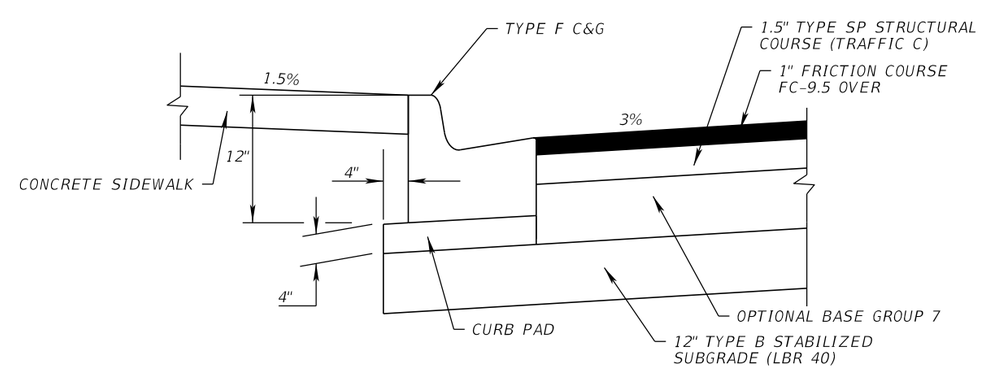
TYPE SP STRUCTURAL COURSE (TRAFFIC C)
(THICKNESS AS REQUIRED)

### ASPHALT DRIVEWAY

OPTIONAL BASE GROUP 2 WITH
1.5" TYPE SP STRUCTURAL COURSE (TRAFFIC B)

DESIGN SPEED = 40 MPH
POSTED SPEED = 35 MPH

* SEE PLANS FOR LIMIT OF MILLING AND RESURFACING




## CURB PAD CONSTRUCTION DETAIL

N.T.S

S:\18130101-02_Gun_Club_Rd\2018501\roadway\TYPSRD02.dgn


PROPEL ENGINEERING, INC.
6685 FOREST HILL BLVD., SUITE NO. 205
GREENACRES, FLORIDA 33413
FLORIDA BUSINESS CERT. NO. 31050
PHONE (561) 866-5730


Seal:
xx
P.E# x

| No. | Revisions | By | Date |
|---|---|---|---|
| | | | |

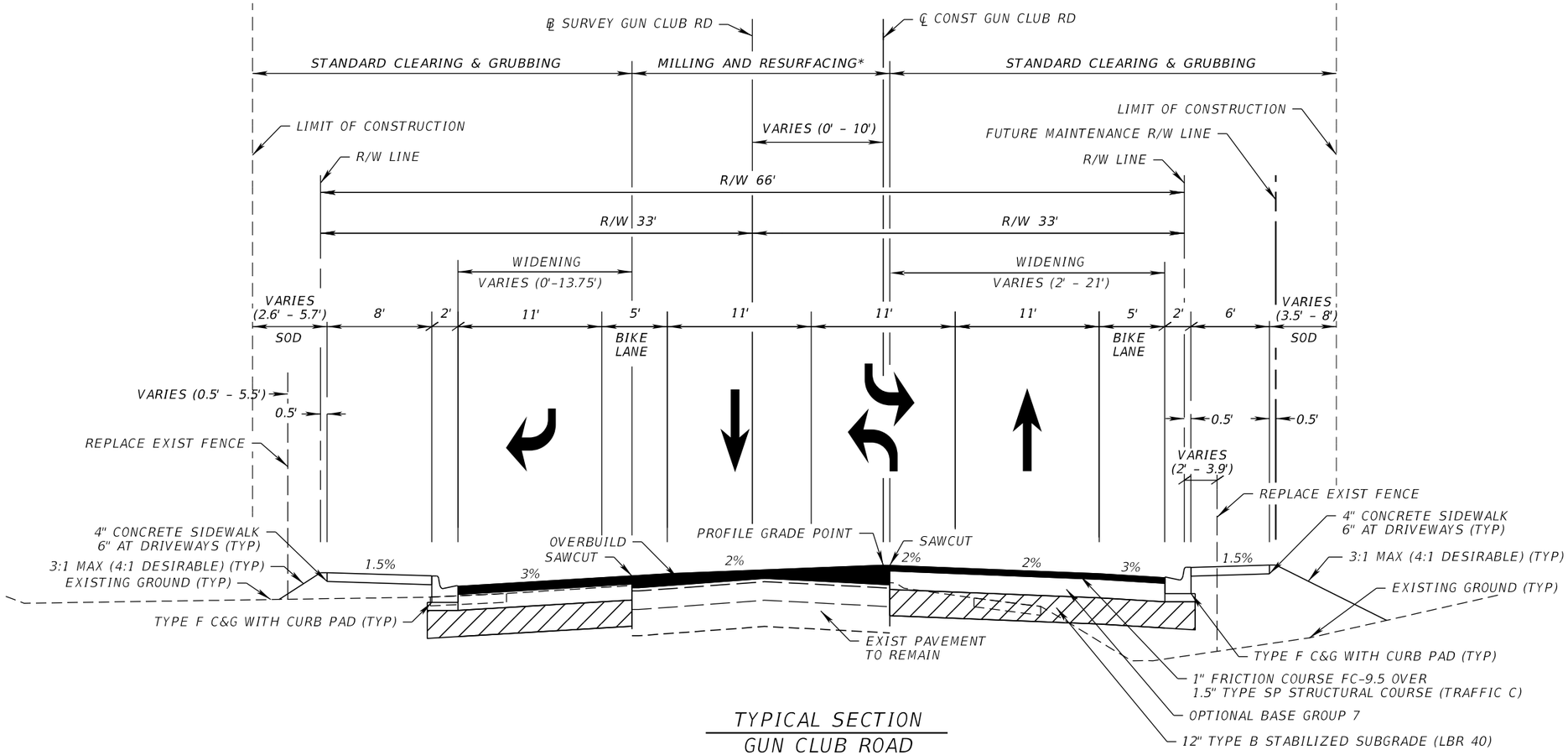
PALM BEACH COUNTY
ENGINEERING AND PUBLIC WORKS
ROADWAY PRODUCTION
P.O. BOX 21229, WEST PALM BEACH, FLORIDA

SCALE: N.T.S.
APPROVED: MA
DRAWN: IA
CHECKED: JJV
DATE: 11/25/19

GUN CLUB RD
FOREST ESTATES BLVD TO LWDD E-3 CANAL
TYPICAL SECTION

SHEET: 3
OF: 54
PROJECT NO. 2018501

Istiak Ahmed 12/19/2019 5:42:27 PM




## TYPICAL SECTION

GUN CLUB ROAD
PINE TRAIL TO LWDD L-3 CANAL
STA. 40+10.00 TO STA. 49+57.71

### MILLING

MILL EXISTING ASPHALT
PAVEMENT (1" AVERAGE DEPTH)

### RESURFACING

1" FRICTION COURSE FC-9.5 (RUBBER)

### WIDENING

OPTIONAL BASE GROUP 7 WITH TYPE B STABILIZED SUBGRADE (LBR 40)
1" FRICTION COURSE FC-9.5 (RUBBER)
1.5" TYPE SP STRUCTURAL COURSE (TRAFFIC C)

### OVERBUILD

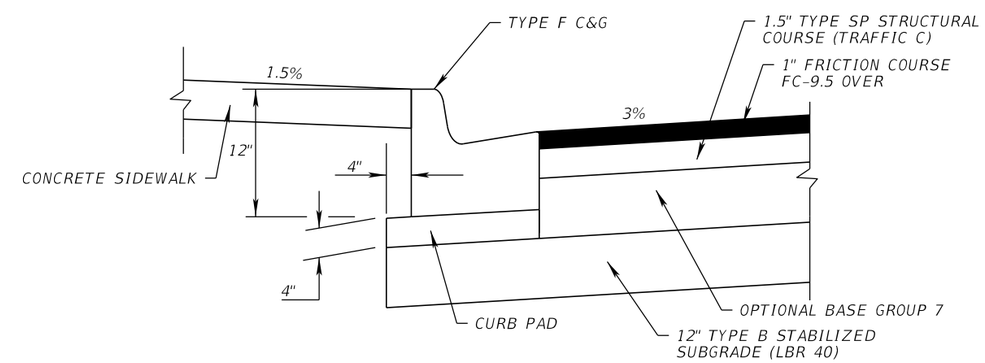
TYPE SP STRUCTURAL COURSE (TRAFFIC C)
(THICKNESS AS REQUIRED)

### ASPHALT DRIVEWAY

OPTIONAL BASE GROUP 2 WITH
1.5" TYPE SP STRUCTURAL COURSE (TRAFFIC B)

DESIGN SPEED = 40 MPH
POSTED SPEED = 35 MPH

* SEE PLANS FOR LIMIT OF MILLING AND RESURFACING




## CURB PAD CONSTRUCTION DETAIL

N.T.S

S:\18130101-02_Gun_Club_Rd\2018501\roadway\TYPSRD03.dgn


PROPEL ENGINEERING, INC.
6685 FOREST HILL BLVD., SUITE NO. 205
GREENACRES, FLORIDA 33413
FLORIDA BUSINESS CERT. NO. 31050
PHONE (561) 866-5730


Seal:
xx
P.E# x

| No. | Revisions | By | Date |
|---|---|---|---|
| | | | |

PALM BEACH COUNTY
ENGINEERING AND PUBLIC WORKS
ROADWAY PRODUCTION
P.O. BOX 21229, WEST PALM BEACH, FLORIDA

SCALE: N.T.S.
APPROVED: MA
DRAWN: IA
CHECKED: JJV
DATE: 11/25/19

GUN CLUB RD
FOREST ESTATES BLVD TO LWDD E-3 CANAL
TYPICAL SECTION

SHEET: 4
OF: 54
PROJECT NO. 2018501

Istiak Ahmed 12/19/2019 5:42:27 PM

GENERAL NOTES:

1. PRIOR TO THE COMMENCEMENT OF ANY EXCAVATION, THE CONTRACTOR SHALL COMPLY WITH FLORIDA STATUTE 556.105 FOR THE PROTECTION OF UNDERGROUND GAS PIPELINE

2. GRADES SHOWN ARE FINISHED GRADES, UNLESS OTHERWISE NOTED.

3. BENCHMARK DATUM IS REFERRED TO THE NORTH AMERICAN VERTICAL DATUM 1988.

4. EXISTING SECTION CORNERS, QUARTER SECTION CORNERS, PROPERTY CORNERS, PALM BEACH COUNTY SURVEY CONTROL MONUMENTS AND ALL OTHER PERMANENT MONUMENTS LOCATED WITHIN PROPOSED CONSTRUCTION ARE TO BE REFERENCED PRIOR TO CONSTRUCTION AND RESET AFTER CONSTRUCTION BY A PROFESSIONAL SURVEYOR & MAPPER WITH A MONUMENT BEARING EITHER THE FLORIDA LICENSE NUMBER OR CERTIFICATE OF AUTHORIZATION NUMBER OF THE PARTY IN RESPONSIBLE CHARGE.

5. UNLESS OTHERWISE SHOWN, ALL EXISTING DRAINAGE STRUCTURES, WITHIN THE LIMITS OF CONSTRUCTION, ARE TO REMAIN.

6. UTILITIES ARE TO BE ADJUSTED BY OTHERS UNLESS OTHERWISE NOTED.

7. THE LOCATION OF THE EXISTING UTILITIES SHOWN IN THE PLANS ARE APPROXIMATE ONLY: THE EXACT LOCATIONS SHALL BE DETERMINED BY THE CONTRACTOR PRIOR TO THE START DATE OF CONSTRUCTION. IN ADDITION, THE CONTRACTOR SHALL BE RESPONSIBLE TO VERIFY IF "OTHER" UTILITIES (NOT SHOWN IN THE PLANS) EXIST WITHIN THE AREA OF CONSTRUCTION. SHOULD THERE BE UTILITY CONFLICTS, THE CONTRACTOR SHALL INFORM THE ENGINEER AND NOTIFY THE RESPECTIVE UTILITY OWNERS TO RESOLVE UTILITY CONFLICTS AND UTILITY ADJUSTMENTS, AS REQUIRED.

8. THE FOLLOWING IS A LIST OF UTILITY OWNERS:

| COMPANY | CONTACT | PHONE |
|---|---|---|
| AT&T FLORIDA | GARTH BEDWARD | 561-540-9263 |
| FPL | SHAREKA HAYDEN | 561-904-3210 |
| PALM BEACH COUNTY WATER | GAVERIO DIXON | 561-493-6119 |

9. UTILITY LOCATIONS MAY ALSO BE DETERMINED BY CALLING SUNSHINE ONE-CALL AT 1-800-432-4770 AND THE RESPECTIVE UTILITY COMPANY.

10. STATIONS AND OFFSETS REFER TO THE CENTERLINE OF CONSTRUCTION, UNLESS OTHERWISE NOTED.

11. INTERSECTING ROADS AND DRIVEWAYS ARE TO BE GRADED AS DIRECTED BY THE ENGINEER, UNLESS OTHERWISE NOTED.

12. PEDESTRIAN AND VEHICULAR TRAFFIC SHALL BE MAINTAINED AND PROTECTED AT ALL TIMES, SIGNS, BARRICADES AND LIGHTS SHALL BE PROVIDED IN ACCORDANCE WITH FORIDA DEPARTMENT OF TRANSPORTATION STANDARD PLANS DATED 2018 NAD FHWA "MANUAL ON UNIFORM RAFFIC CONTROL DEVICES (MUTCD)". THE CONTRACTOR SHALL SUBMIT A CONSTRUCTION SEQUENCE AND TRAFFIC CONTROL PLAN TO PALM BEACH COUNTY DEPARTMENT OF ENGINEERING AND PUBLIC WORKS AND SHALL RECEIVE WRITTEN APPROVAL OF THE PLAN FROM THE COUNTY PRIOR TO BEGINNING CONSTRUCTION OF THE PROJECT.

13. ALL PIPES SHALL BE IN ACCORDANCE WITH FLORIDA DOT AND PALM BEACH COUNTY REQUIREMENTS.

14. NO CONSTRUCTION SHALL BE COMMENCED UNTIL ALL REQUIRED PERMITS AND APPROVALS HAVE BEEN SECURED AND THE CONTRACTOR IS ISSUED A NOTICE OF PROCEED.

15. ALL TEMPORARY AND PERMANENT BENCHMARKS ARE TO BE PROTECTED DURING CONSTRUCTION.

16. 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 IS TO NOTIFY THE COUNTY SURVEYOR.

18. ANY VERTICAL DATUM MONUMENT WITHIN THE LIMITS OF CONSTRUCTION IS TO BE PROTECTED. IF IN DANGER OF DAMAGE, THE PROJECT ENGINEER SHOULD NOTIFY:

GEODETIC INFORMATION CENTER
ATTN: MARK MAINTENANCE SECTION
ATTN: N/CG-162
6001 EXECUTIVE BOULEVARD
ROCKVILLE, MARYLAND 20852
TELEPHONE NO. (301) 443-8319

19. CONTRACTOR SHALL UTILIZE CONSTRUCTION METHODS AND DEVICES AS INDICATED IN FDOT STANDARD PLANS WHERE NECESSARY IN ORDER TO COMPLY WITH ALL STATE, LOCAL AND NPDES WATER QUALITY STANDARDS.

20. ALL EXISTING IRRIGATION SYSTEM COMPONENTS CONFLICTING WITH THE PROPOSED CONSTRUCTION SHALL BE REMOVED AND DISPOSED OFF BY THE CONTRACTOR. ALL IRRIGATION VALVE BOXES AND VALVE SHALL BE CAREFULLY REMOVED AND RETURNED TO PBC STREETSCAPE SECTION IN GOOD WORKING ORDER. EXISTING PIPES SHALL BE CAPPED PRESSURE TIGHT AT THE R/W LINE OR LIMITS OF CONSTRUCTION. EXISTING CONTROL WIRING SHALL BE CUT SEALED AND LEFT BURIED BELOW GRADE AT THE R/W LINE OR LIMITS OF CONSTRUCTION. IN ALL CASES, THE CONTRACTOR SHALL CLEARLY MARK IN THE FIELD ALL IRRIGATION SYSTEM BREAKS IN A MANNER ACCEPTABLE TO THE ENGINEER FOR FUTURE RECONNECTION OR EXTENSION BY OTHERS. THE COST FOR IRRIGATION SYSTEM REMOVAL, CAPPING PIPES, AND SEALING WIRING SHALL BE INCLUDED IN THE CONTRACT PRICE FOR CLEARING AND GRUBBING.

21. CONTRACTOR SHALL EXERCISE EXTREME CAUTION WHILE REMOVING AND/OR RELOCATING EXISTING SIGNS IN ORDER TO PREVENT ANY UNNECESSARY DAMAGE TO THE SIGNS. SIGNS WHICH ARE DAMAGED BEYOND USE, AS DETERMINED BY THE ENGINEER, SHALL BE REPLACED BY THE CONTRACTOR AT HIS EXPENSE.

22. ALL EXISTING PALM BEACH COUNTY SIGNS WITHIN THE LIMITS OF CONSTRUCTION WHICH ARE TO BE RELOCATED OR REMOVED SHALL BE REMOVED BY THE CONTRACTOR AND STOCKPILED WITHIN THE R/W FOR REMOVAL OR RELOCATION BY PALM BEACH COUNTY FORCES. NOTIFY PALM BEACH COUNTY TRAFFIC OPERATIONS AT (561) 683-6885.

23. ALL VEGETATION, DEBRIS, CONCRETE OR OTHER UNSUITABLE MATERIAL SHALL BE DISPOSED LEGALLY OFF SITE IN AREAS PROVIDED BY THE CONTRACTOR AT HIS EXPENSE.

24. THE CONTRACTOR IS TO USE CAUTION WHEN WORKING IN OR AROUND AREAS OF OVERHEAD TRANSMISSION LINES AND UNDERGROUND UTILITIES AND ASSUMES RESPONSIBILITY OF ANY DAMAGES OR PERSONAL INJURY SHOULD AN ACCIDENT OCCUR.

25. ALL UTILITY POLES WITHIN PALM BEACH COUNTY RIGHT-OF-WAY CONFLICTING WITH THE PROPOSED CONSTRUCTION, AS DETERMINED BY THE COUNTY ENGINEER, WILL BE ADJUSTED BY OTHERS.

26. WHEN UTILITY POLES ARE IN AREAS OF EXCAVATIONS, CONTRACTOR SHALL MAINTAIN A MINIMUM SEPARATION OF FIVE (5') FEET BETWEEN THE POLE AND ANY EXCAVATION.

27. WHEN WORKING WITHIN (10') FEET OF A TRAFFIC SIGNAL POLE, PALM BEACH COUNTY TRAFFIC OPERATIONS SHALL BE NOTIFIED AT (561) 683-6885.

28. THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL ADJOINING PROPERTIES AT ALL TIMES AND SCHEDULE WORK TO EXPEDITE DRIVEWAY DRAINAGE STRUCTURE INSTALLATION IN THE VICINITY OF ABUTTING PROPERTIES.

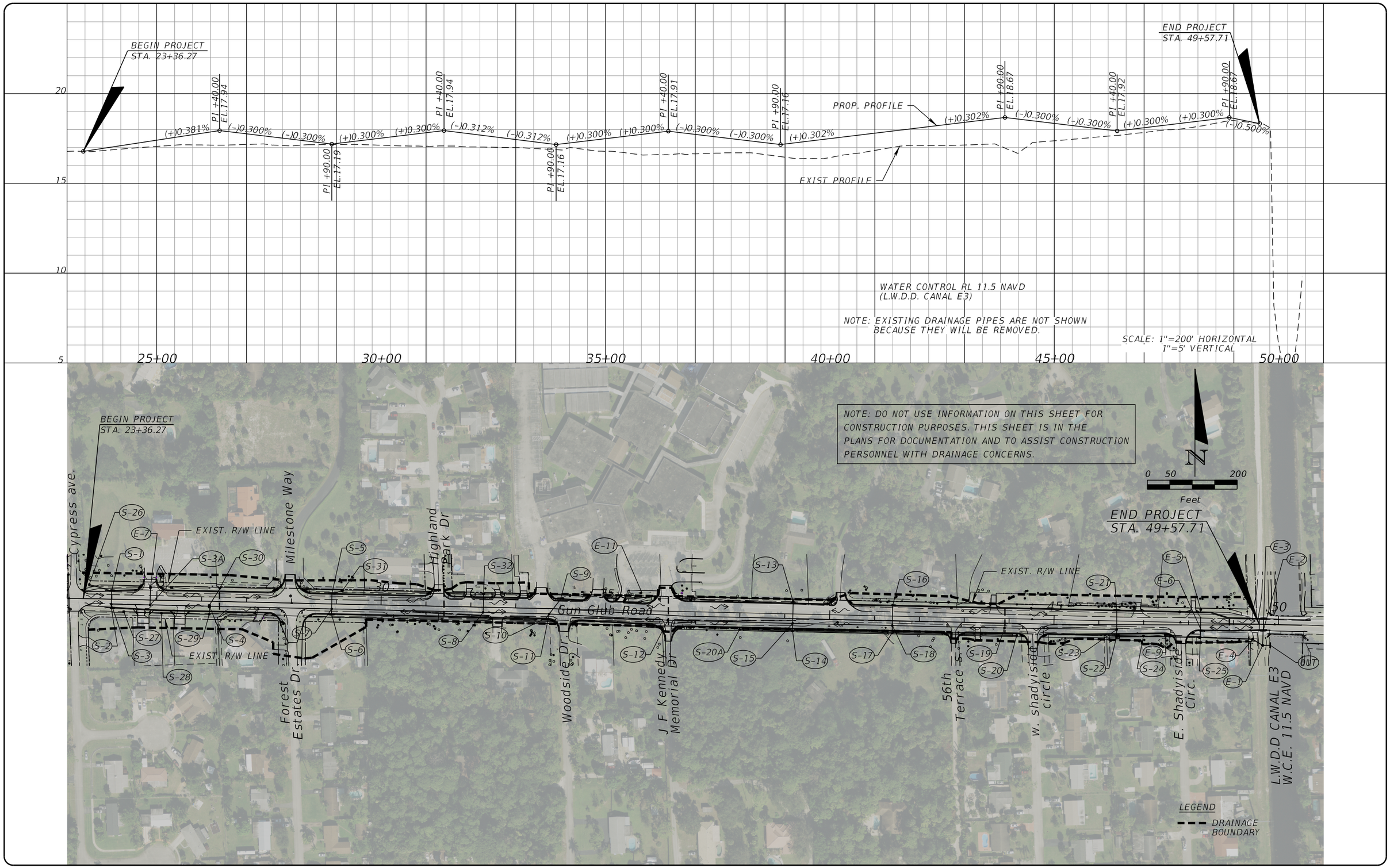
29. WHERE OPEN-CUTS OF THE EXISTING ROADWAY ARE MADE IN ORDER TO INSTALL PIPELINES, CONDUITS, OR SLEEVES, REPAIR THE PAVEMENT IN ACCORDANCE WITH THE "OPEN-CUT PAVEMENT REPAIR DETAIL". MAINTAIN REPAIRED PAVEMENT FOR THE DURATION OF THE PROJECT.

30. NONE OF THE EXISTING BASE MATERIAL THAT IS REMOVED IS TO BE USED IN CONSTRUCTION OF NEW ROADWAY BASE.

31. IN THE AREAS OF PAVEMENT WIDENING, ALL EXISTING PAVEMENT EDGES ARE TO BE SAW CUT TO A CLEAN, STRAIGHT AND UNIFORM SURFACE.

32. THE CONTRACTOR SHALL TAKE ALL NECESSARY CARE AND CAUTION TO PREVENT MILLED MATERIALS FROM ENTERING THE EXISTING AND PROPOSED DRAINAGE SYSTEM. ALL COSTS ASSOCIATED WITH THIS WORK SHALL BE INCLUDED IN ITEM MILLING EXISTING ASPHALT PAVEMENT.

S:\18130101-02_Gun_Club_Rd\2018501\roadway\GNNTRD01.dgn




S:\18130101-02_Gun_Club_Rd\2018501\drainage\DRNPRD01.dgn

**HSQ GROUP, INC.**
Engineers · Planners · Surveyors
1001 Yamato Road, Suite 105
Boca Raton, Florida 33431 · 561.392.0221
C26258 · LB7924

Seal:
NOUR SHEHADEH, P.E.
FL. REG. NO. 48307

| No. | Revisions | By | Date |
|---|---|---|---|
| | | | |

PALM BEACH COUNTY
ENGINEERING AND PUBLIC WORKS
ROADWAY PRODUCTION
P.O. BOX 21229, WEST PALM BEACH, FLORIDA

SCALE: NTS
APPROVED:
DRAWN:
CHECKED:
DATE: 11/25/19

# DRAINAGE MAP

SHEET: 6
OF: 54
PROJECT NO. 2018501

Istiak Ahmed 12/19/2019 5:42:29 PM

S-1
STA 23+99.00 (17.78' LT TO EOP)
CONST. INLET TYPE P-5
INDEX 425-021
EOP EL 16.60
FL 12.57 (RT)
FL 12.57 (BK)
BOT EL 10.57

S-2
STA 23+99.00 (17.78' RT TO EOP)
CONST. INLET TYPE P-5
INDEX 425-021
EOP EL 16.60
FL 12.60 (LT)
BOT EL 10.60

S-3
STA 23+99.00 (11.00' RT)
CONST. MH TYPE P-7
INDEX 425-001
RIM EL 16.80
FL 11.50 (AH)
BOT EL 9.50

S-3A
STA 24+85.27 (11.00' RT)
CONST. MH TYPE J-7
INDEX 425-001
RIM EL 17.50
FL 11.28 (AH)
BOT EL 9.28

S-4
STA 26+17.64 (11.00' RT)
CONST. MH TYPE J-7 (4'X7')
W/ TIDEFLEX, SERIES TF-1
INDEX 425-001
RIM EL 17.79
FL 11.00 (AH)
FL 11.00 (BK)
FL 11.50 (RT) (TIDEFLEX)
FL 11.50 (LT)
BOT EL 9.00

S-5
STA 28+90.00 (21.50' LT TO EOP)
CONST. INLET TYPE P-6
INDEX 425-021
EOP EL 16.71
FL 12.71 (RT)
FL 12.71 (LT)
BOT EL 10.71

S-6
STA 28+90.00 (21.50' RT TO EOP)
CONST. INLET TYPE P-6
INDEX 425-021
EOP EL 16.71
FL 12.71 (LT)
BOT EL 10.71

S-7
STA 28+90.00 (11.00' RT)
CONST. MH TYPE P-7
INDEX 425-001
RIM EL 16.97
FL 10.77 (AH)
FL 10.77 (BK)
BOT EL 8.77

S-8
STA 32+27.66 (11.00' RT)
CONST. MH TYPE P-7
INDEX 425-001
RIM EL 17.45
FL 10.44 (AH)
FL 10.44 (BK)
FL 14.00 (LT)
BOT EL 8.44

S-9
STA 33+98.54 (21.50' LT TO EOP)
CONST. INLET P-6
INDEX 425-021
EOP EL 16.71
FL 12.71 (RT)
BOT EL 10.71

S-10
STA 33+65.05 (21.50' RT TO EOP)
CONST. INLET TYPE P-6
INDEX 425-021
EOP EL 16.76
FL 12.76 (LT)
BOT EL 10.76

S-11
STA 33+74.91 (11.79' RT)
CONST. MH TYPE P-7
INDEX 425-001
RIM EL 16.97
FL 10.13 (AH)
FL 10.13 (BK)
BOT EL 8.13

S-12
STA 36+40.00 (11.00' RT)
CONST. MH TYPE P-7
INDEX 425-001
RIM EL 17.72
FL 9.78 (AH)
FL 9.78 (BK)
BOT EL 7.78

S-13
STA 39+17.93 (32.50' LT TO EOP)
REMOVE EXIST INLET TOP
CONST. INLET TYPE P-4 (PARTIAL)
INDEX 425-020
EOP EL 16.35
FL 12.35 (RT) (CORE DRILL)
FL 12.49 (BK) (EXIST)
FL 12.29 (AH) (EXIST)

S-14
STA 39+17.93 (21.50' RT TO EOP)
CONST. INLET TYPE P-4
INDEX 425-020
EOP EL 16.68
FL 13.50 (LT)
BOT EL 11.50

S-15
STA 39+17.93 (11.00' RT )
CONST. MH TYPE P-7
INDEX 425-001
RIM EL 16.94
FL 9.45 (LT)
FL 9.45 (RT)
FL 9.45 (BK)
FL 9.45 (AH)
BOT EL 7.45

S-16
STA 41+40.00 (32.50' LT TO EOP )
CONST. INLET TYPE P-5
INDEX 425-021
EOP EL 17.11
FL 13.11 (RT)
BOT EL 11.11

S-17
STA 41+40.00 (21.50' RT TO EOP )
CONST. INLET TYPE P-3
INDEX 425-020
EOP EL 17.44
FL 13.50 (LT)
BOT EL 11.50

S-18
STA 41+40.00 (11.00' RT)
CONST. MH TYPE P-7
INDEX 425-001
RIM EL 17.70
FL 9.15 (LT)
FL 9.15 (RT)
FL 9.15 (BK)
FL 9.15 (AH)
BOT EL 7.15

S-19
STA 43+90.00 (11.00' RT)
CONST. MH TYPE P-7
INDEX 425-001
RIM EL 18.45
FL 8.80 (AH)
FL 8.80 (BK)
BOT EL 6.80

S-20
STA 44+96.00 (27.00' RT TO EOP)
CONST. INLET TYPE P-3
INDEX 425-020
EOP EL 17.76
FL 9.45 (BK)
BOT EL 7.45

S-20A
STA 37+99.96 (26.99' RT)
CONST. MH TYPE P-7
INDEX 425-001
RIM EL 17.14
FL 12.68 (AH)
BOT EL 10.68

S-21
STA 46+40.00 (30.64' LT TO EOP)
CONST. INLET TYPE P-6
INDEX 425-021
EOP EL 17.17
FL 13.17 (RT)
BOT EL 11.17

S-22
STA 46+40.00 (19.64' RT TO EOP)
CONST. INLET TYPE P-4
INDEX 425-020
EOP EL 17.55
FL 10.43 (LT)
FL 8.40 (AH)
BOT EL 6.40

S-23
STA 46+40.00 (10.84' RT)
CONST. MH TYPE P-7
INDEX 425-001
RIM EL 17.70
FL 10.44 (RT)
FL 10.44 (BK)
BOT EL 8.44

S-24
STA 46+99.58 (24.94' RT)
CONST. TYPE C (MODIFIED)
W/ TYPE III MANHOLE CASTING
9 LF-PIPE GUIDERAIL CASTING
INDEX 425-001, 425-060, 515-080
TOP EL 18.14
SLOT EL 15.00
FL 8.30 (AH)
FL 8.30 (BK)
BOT EL 6.30

S-25
STA 48+25.08 (27.56' RT)
REMOVE EXIST INLET
CONST. DBI TYPE D (J BOTTOM)
INDEX 425-052
RIM EL 16.84
FL 8.21 (AH)
FL 8.21 (BK)
FL 12.07 (LT) (EXIST)
BOT EL 6.21

S-26
STA 23+48.94 (31.68' LT)
CONST. DBI TYPE C
INDEX 425-052
GRATE EL 15.50
FL 12.60 (AH)
BOT EL 10.60

S-27
STA 24+27.19 (27.09' RT)
CONST. DBI TYPE C
INDEX 425-052
GRATE EL 15.00
FL 12.00 (AH)
BOT EL 10.00

S-28
STA 25+11.06 (28.99' RT)
CONST. DBI TYPE C
INDEX 425-052
GRATE EL 14.25
FL 11.25 (AH)
FL 11.25 (BK)
BOT EL 9.25

S-29
STA 26+17.64 (28.90' RT)
CONST. DBI TYPE C
INDEX 425-052
GRATE EL 13.86
FL 10.86 (BK)
FL 11.50 (LT)
BOT EL 8.86

S-30
STA 26+40.00 (29.83' LT)
CONST. TYPE C (MODIFIED)
W TYPE III MANHOLE CASTING
9 LF-PIPE GUIDERAIL (STEEL)
INDEX 425-001, 425-060, 515-080
TOP EL 17.96
SLOT EL 15.50
FL 11.50 (RT)
BOT EL 9.50

S-31
STA 29+12.80 (29.83' LT)
CONST. TYPE C (MODIFIED)
W TYPE III MANHOLE CASTING
9 LF-PIPE GUIDERAIL (STEEL)
INDEX 425-001, 425-060, 515-080
TOP EL 17.28
SLOT EL 14.80
FL 12.71 (BK)
BOT EL 10.71

S-32
STA 32+27.66 (29.83' LT)
CONST. TYPE C (MODIFIED)
W TYPE III MANHOLE CASTING
9 LF-PIPE GUIDERAIL (STEEL)
INDEX 425-001, 425-060, 515-080
TOP EL 17.70
SLOT EL 16.00
FL 14.00 (RT)
BOT EL 12.00

E-1
STA 49+66.13, 46.13' RT
REMOVE EXIST MH
CONST MH TYPE P-7
INDEX 425-001, 425-002
RIM EL 18.10
FL 8.02 (AH)
FL 8.02 (BK)
FL 10.50 (LT) (EXIST)
BOT EL 6.02

E-2
STA 49+66.76, 11.55' RT
EXIST INLET TO REMAIN

E-3
STA 49+67.22, 11.46' LT
EXIST INLET TO REMAIN

E-4
STA 49+42.56, 33.01' RT
REMOVE EXIST MH
CONST MH TYPE P-7
INDEX 425-001, 425-002
RIM EL 18.10
FL 8.00 (AH)
FL 8.05 (BK)
BOT EL 6.05

E-5
STA 48+27.02 (34.10' LT)
MODIFY EXIST INLET TOP
TO RECEIVE MH TOP P-7
RIM EL 18.23
FL 12.43 (RT) (EXIST)
BOT EL 10.23 (EXIST)

E-6
STA 48+28.37, 10.80' RT
EXIST INLET TO REMAIN

E-7
STA 44+95.23, 9.57' RT
MODIFY EXIST MH TYPE P-7 (PARTIAL)
INDEX 425-001, 425-002
RIM EL 18.10
FL 8.02 (RT)
FL 11.38 (AH) (PLUG IN)
FL 13.38 (BK) (PLUG IN)
FL 11.28 (LT) (EXIST)
BOT EL 11.28

E-8
STA 46+42.20' 27.25' RT
EXIST INLET TO BE REMOVED

E-9
STA 47+52.18, 22.27' RT
EXIST INLET TO BE REMOVED

E-10
STA 34+19.39, 31.01' LT
EXIST INLET TO REMAIN

E-11
STA 35+64.51, 35.52' LT
EXIST INLET TO REMAIN

OUT
STA 49+83.48, 45.93' RT
REMOVE EXIST HEADWALL
CONST 30" RCP HEADWALL
INDEX 430-030
TOP EL 17.50
FL 8.00 (BK)

S:\18130101-02_Gun_Club_Rd\2018501\drainage\GNNTRD02.dgn


HSQ GROUP, INC.
Engineers · Planners · Surveyors
1001 Yamato Road, Suite 105
Boca Raton, Florida 33431 · 561.392.0221
C26258 · LB7924


Seal:
NOUR SHEHADEH:
PE# 48307

| No. | Revisions | By | Date |
|---|---|---|---|
| | | | |

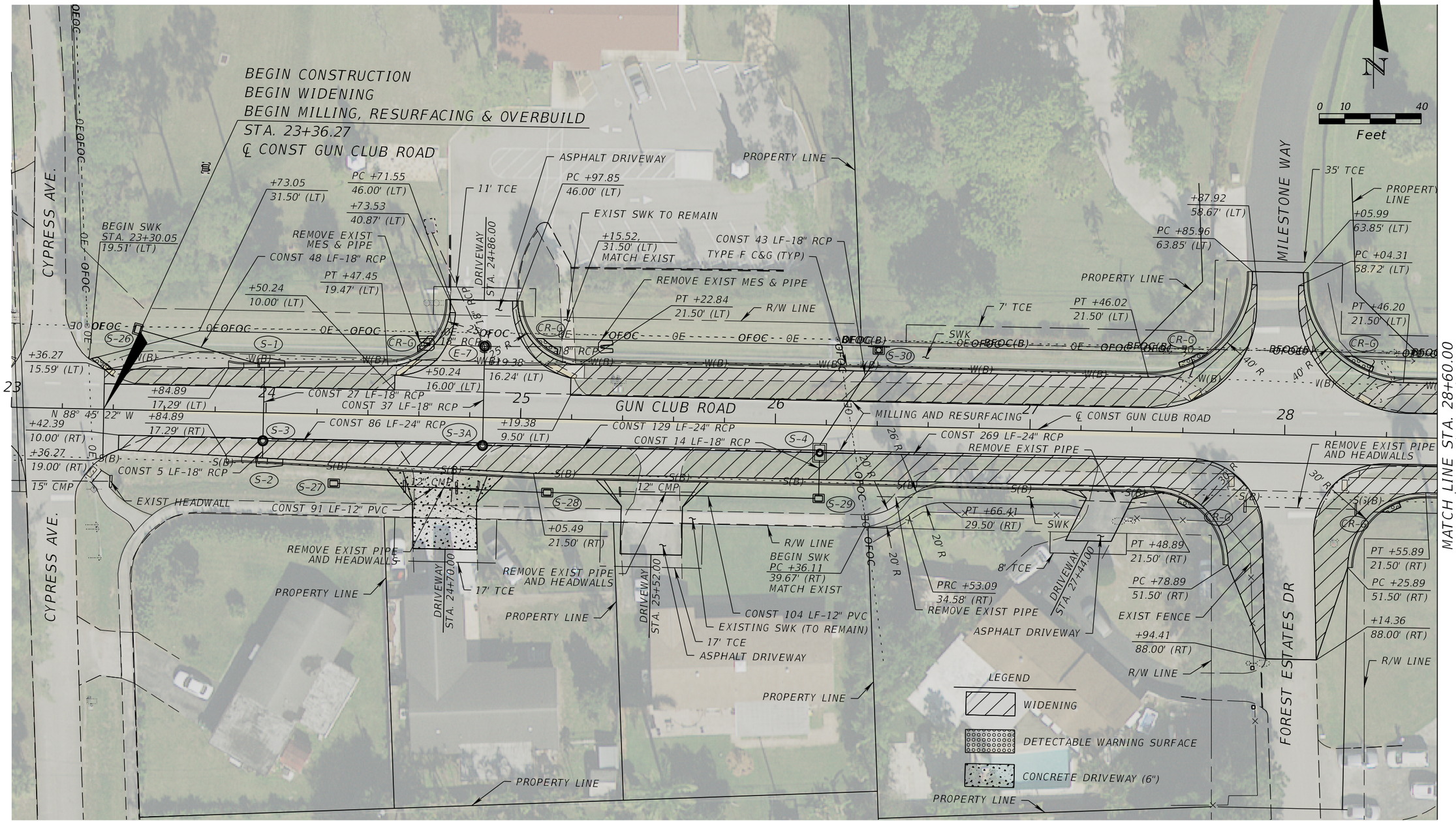
PALM BEACH COUNTY
ENGINEERING AND PUBLIC WORKS
ROADWAY PRODUCTION
P.O. BOX 21229, WEST PALM BEACH, FLORIDA

SCALE:
APPROVED:
DRAWN:
CHECKED:
DATE:

# SUMMARY OF DRAINAGE STRUCTURES

SHEET: 7
OF: 54
PROJECT NO. 2018501

Istiak Ahmed 12/19/2019 5:42:35 PM




S:\18130101-02_Gun_Club_Rd\2018501\roadway\PLANRD01.dgn

**PROPEL ENGINEERING, INC.**
6685 FOREST HILL BLVD., SUITE NO. 205
GREENACRES, FLORIDA 33413
FLORIDA BUSINESS CERT. NO. 31050
PHONE (561) 866-5730

Seal:

| No. | Revisions | By | Date |
|---|---|---|---|
| | | | |

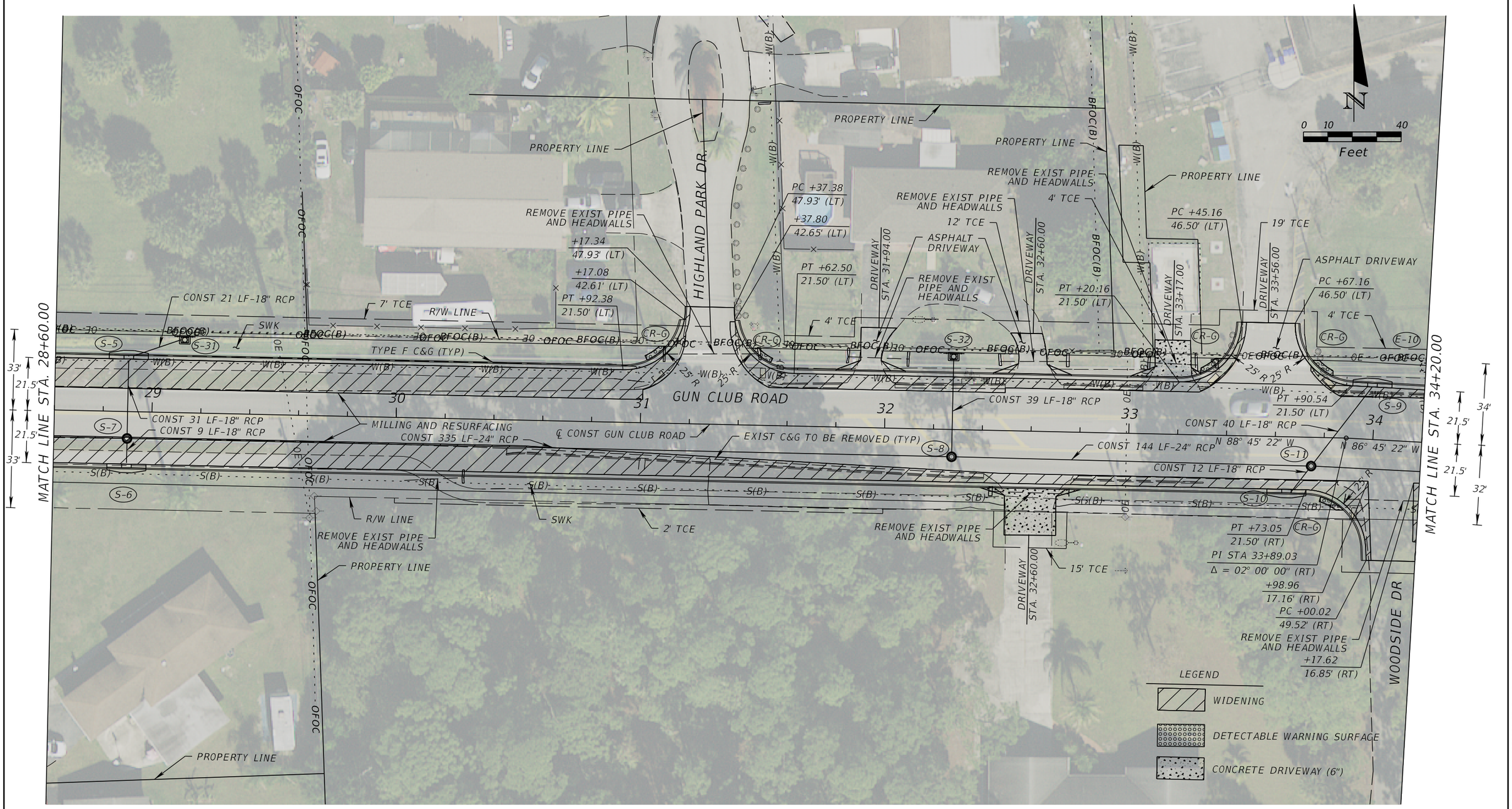
PALM BEACH COUNTY
ENGINEERING AND PUBLIC WORKS
ROADWAY PRODUCTION
P.O. BOX 21229, WEST PALM BEACH, FLORIDA

SCALE: 1"=40'
APPROVED: MA
DRAWN: IA
CHECKED: JJV
DATE: 11/25/19

Istiak Ahmed 12/19/2019 5:42:36 PM

GUN CLUB RD
FOREST ESTATES BLVD TO LWDD E-5 CANAL
ROADWAY PLAN

SHEET: 8
OF: 54
PROJECT NO. 2018501




S:\18130101-02_Gun_Club_Rd\20185501\roadway\plan\rd02.dgn

**PROPEL ENGINEERING, INC.**
6685 FOREST HILL BLVD., SUITE NO. 205
GREENACRES, FLORIDA 33413
FLORIDA BUSINESS CERT. NO. 31050
PHONE (561) 866-5730

Seal:

| No. | Revisions | By | Date |
|---|---|---|---|
| | | | |

PALM BEACH COUNTY
ENGINEERING AND PUBLIC WORKS
ROADWAY PRODUCTION
P.O. BOX 21229, WEST PALM BEACH, FLORIDA

SCALE: 1"=40'
APPROVED: MA
DRAWN: IA
CHECKED: JJV
DATE: 11/25/19

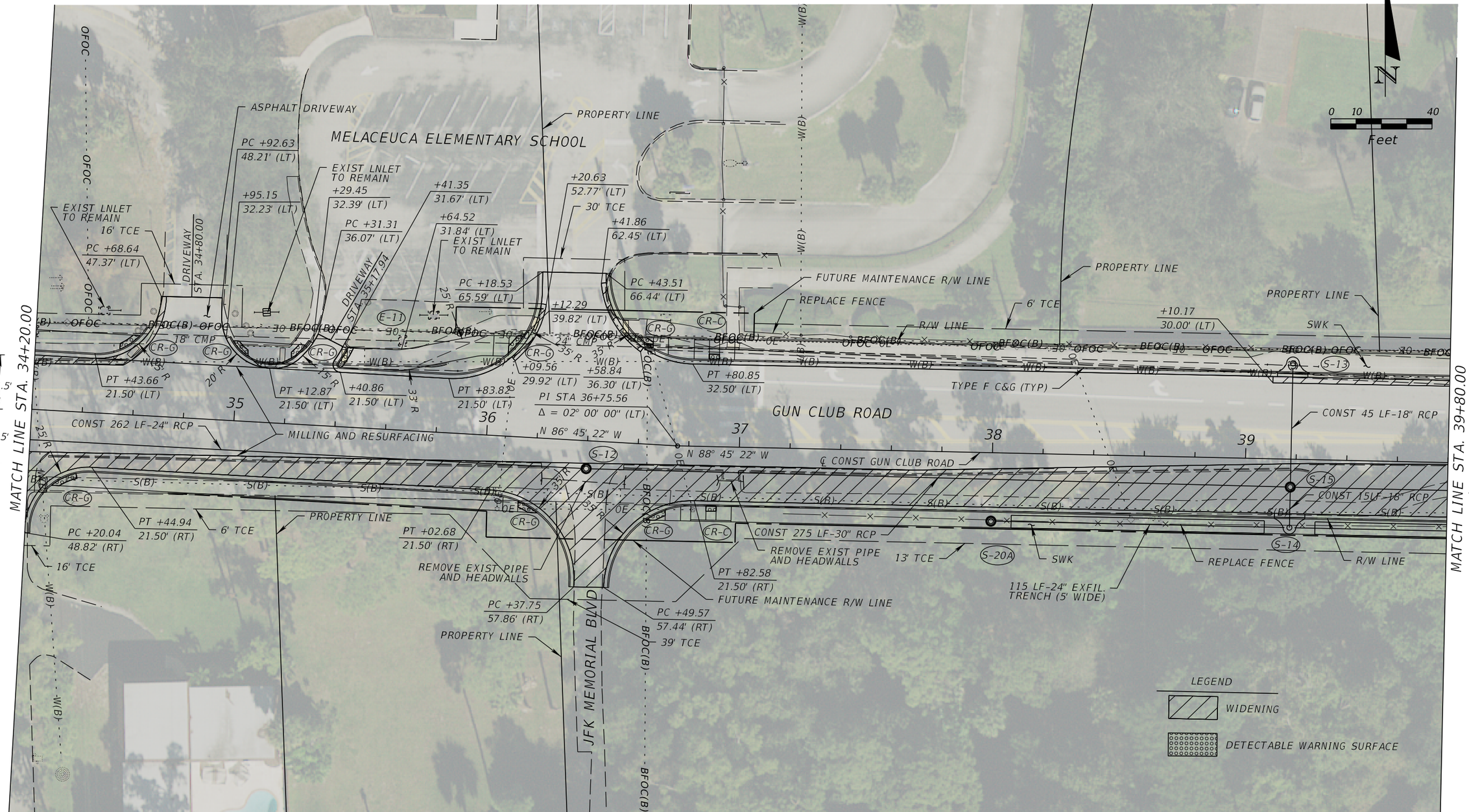
# GUN CLUB RD

FOREST ESTATES BLVD TO LWDD E-3 CANAL

ROADWAY PLAN

SHEET: 9
OF: 54
PROJECT NO. 2018501

Istiak Ahmed 12/19/2019 5:42:38 PM




**PROPEL ENGINEERING, INC.**
6685 FOREST HILL BLVD., SUITE NO. 205
GREENACRES, FLORIDA 33413
FLORIDA BUSINESS CERT. NO. 31050
PHONE (561) 866-5730

Seal:

| No. | Revisions | By | Date |
|---|---|---|---|
| | | | |

PALM BEACH COUNTY
ENGINEERING AND PUBLIC WORKS
ROADWAY PRODUCTION
P.O. BOX 21229, WEST PALM BEACH, FLORIDA

SCALE: 1"=40'
APPROVED: MA
DRAWN: IA
CHECKED: JJV
DATE: 11/25/19

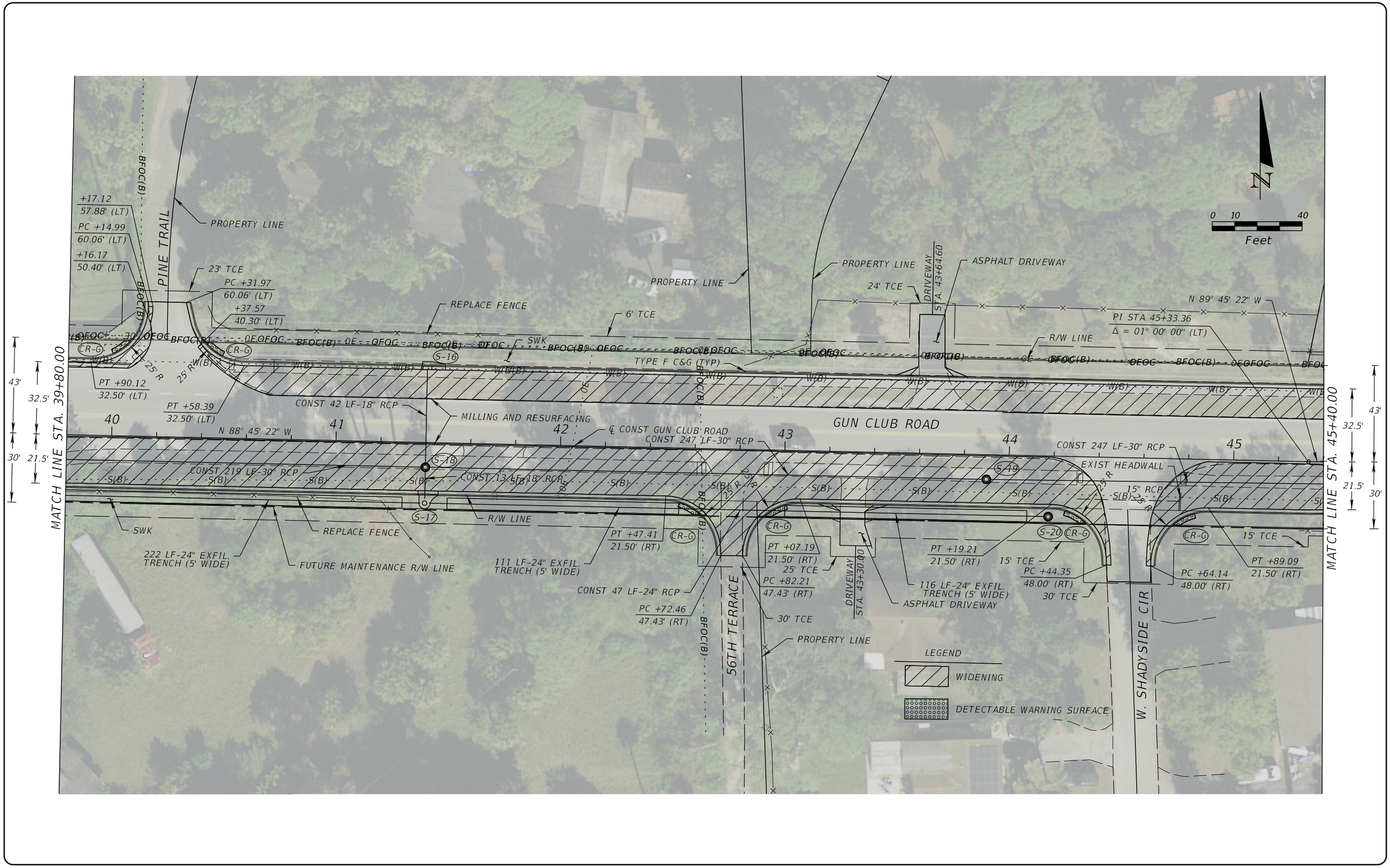
# GUN CLUB RD

FOREST ESTATES BLVD TO LWDD E-3 CANAL

ROADWAY PLAN

SHEET: 10
OF: 54
PROJECT NO. 2018501

Istiak Ahmed 12/19/2019 5:42:40 PM




S:\18130101-02_Gun_Club_Rd\2018501\roadway\planrd04.dgn

**PROPEL ENGINEERING, INC.**
6685 FOREST HILL BLVD., SUITE NO. 205
GREENACRES, FLORIDA 33413
FLORIDA BUSINESS CERT. NO. 31050
PHONE (561) 866-5730

Seal:

| No. | Revisions | By | Date |
|---|---|---|---|
| | | | |

PALM BEACH COUNTY
ENGINEERING AND PUBLIC WORKS
ROADWAY PRODUCTION
P.O. BOX 21229, WEST PALM BEACH, FLORIDA

SCALE: 1"=40'
APPROVED: MA
DRAWN: IA
CHECKED: JJV
DATE: 11/25/19

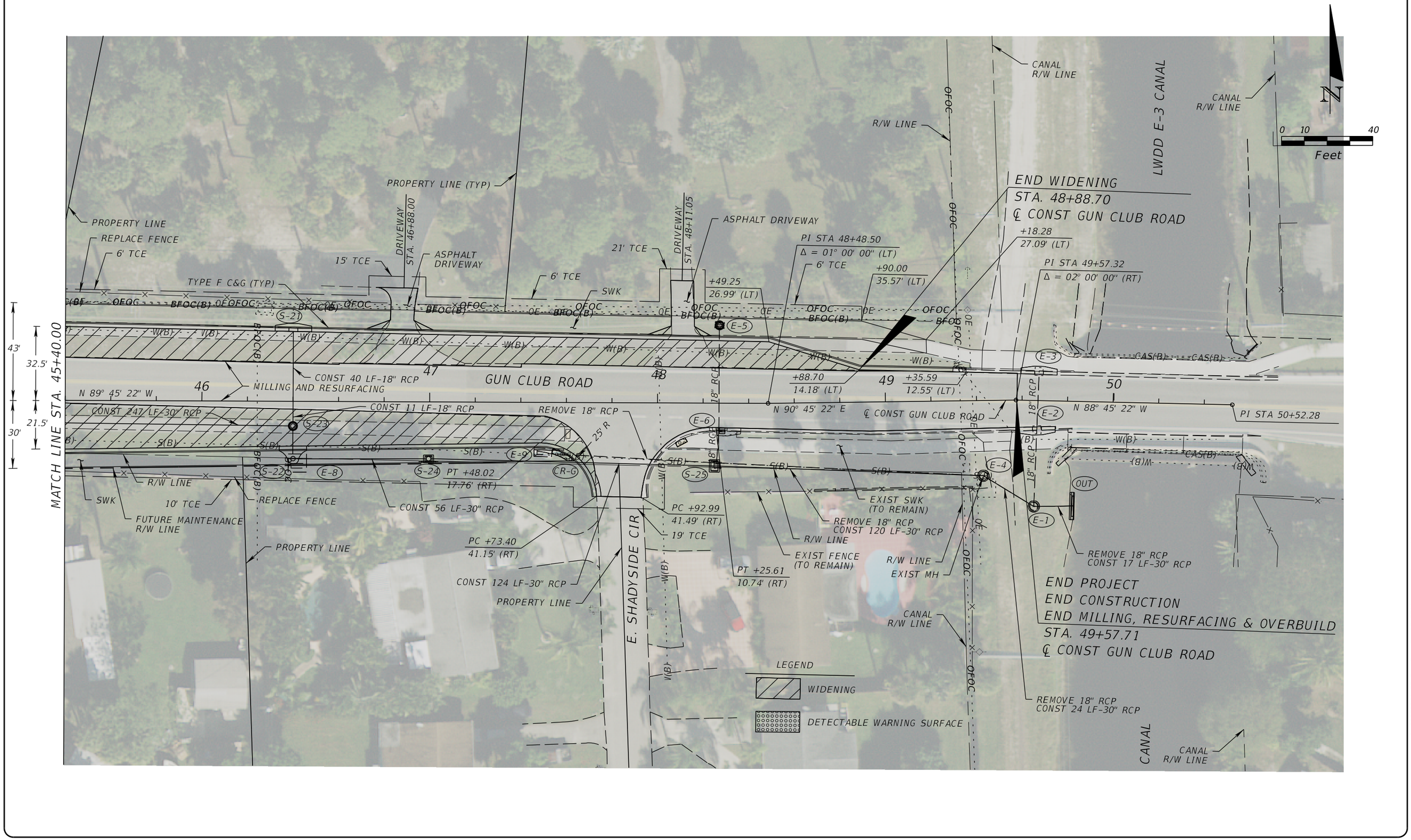
# GUN CLUB RD

FOREST ESTATES BLVD TO LWDD E-3 CANAL

ROADWAY PLAN

SHEET: 11
OF: 54
PROJECT NO. 2018501

Istiak Ahmed 12/19/2019 5:42:42 PM




S:\18130101-02_Gun_Club_Rd\2018501\roadway\planrd05.dgn

**PROPEL ENGINEERING, INC.**
6685 FOREST HILL BLVD., SUITE NO. 205
GREENACRES, FLORIDA 33413
FLORIDA BUSINESS CERT. NO. 31050
PHONE (561) 866-5730

Seal:

| No. | Revisions | By | Date |
|---|---|---|---|
| | | | |

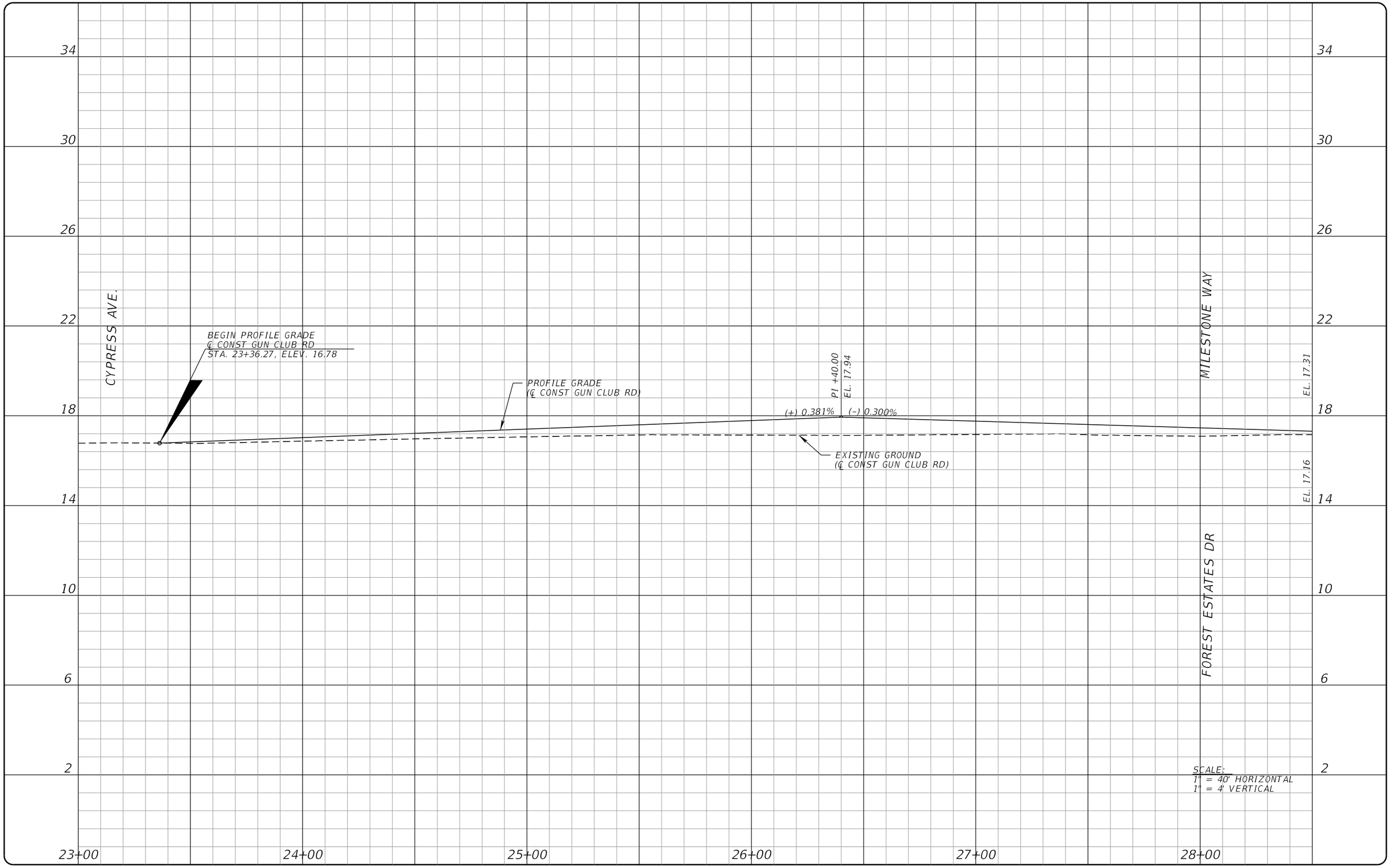
PALM BEACH COUNTY
ENGINEERING AND PUBLIC WORKS
ROADWAY PRODUCTION
P.O. BOX 21229, WEST PALM BEACH, FLORIDA

SCALE: 1"=40'
APPROVED: MA
DRAWN: IA
CHECKED: JJV
DATE: 11/25/19

GUN CLUB RD
FOREST ESTATES BLVD TO LWDD E-5 CANAL
ROADWAY PLAN

SHEET: 12
OF: 54
PROJECT NO. 2018501

Istiak Ahmed 12/19/2019 5:42:43 PM




S:\18130101-02_Gun_Club_Rd\2018501\roadway\PROFRD0101.dgn

**PROPEL ENGINEERING, INC.**
6685 FOREST HILL BLVD., SUITE NO. 205
GREENACRES, FLORIDA 33413
FLORIDA BUSINESS CERT. NO. 31050
PHONE (561) 866-5730

Seal:
xx
P.E# x

| No. | Revisions | By | Date |
|---|---|---|---|
| | | | |

PALM BEACH COUNTY
ENGINEERING AND PUBLIC WORKS
ROADWAY PRODUCTION
P.O. BOX 21229, WEST PALM BEACH, FLORIDA

SCALE: H 1"=40'
V 1"=4'
APPROVED: MA
DRAWN: IA
CHECKED: JJV
DATE: 11/25/19

Istiak Ahmed 12/19/2019 5:42:45 PM

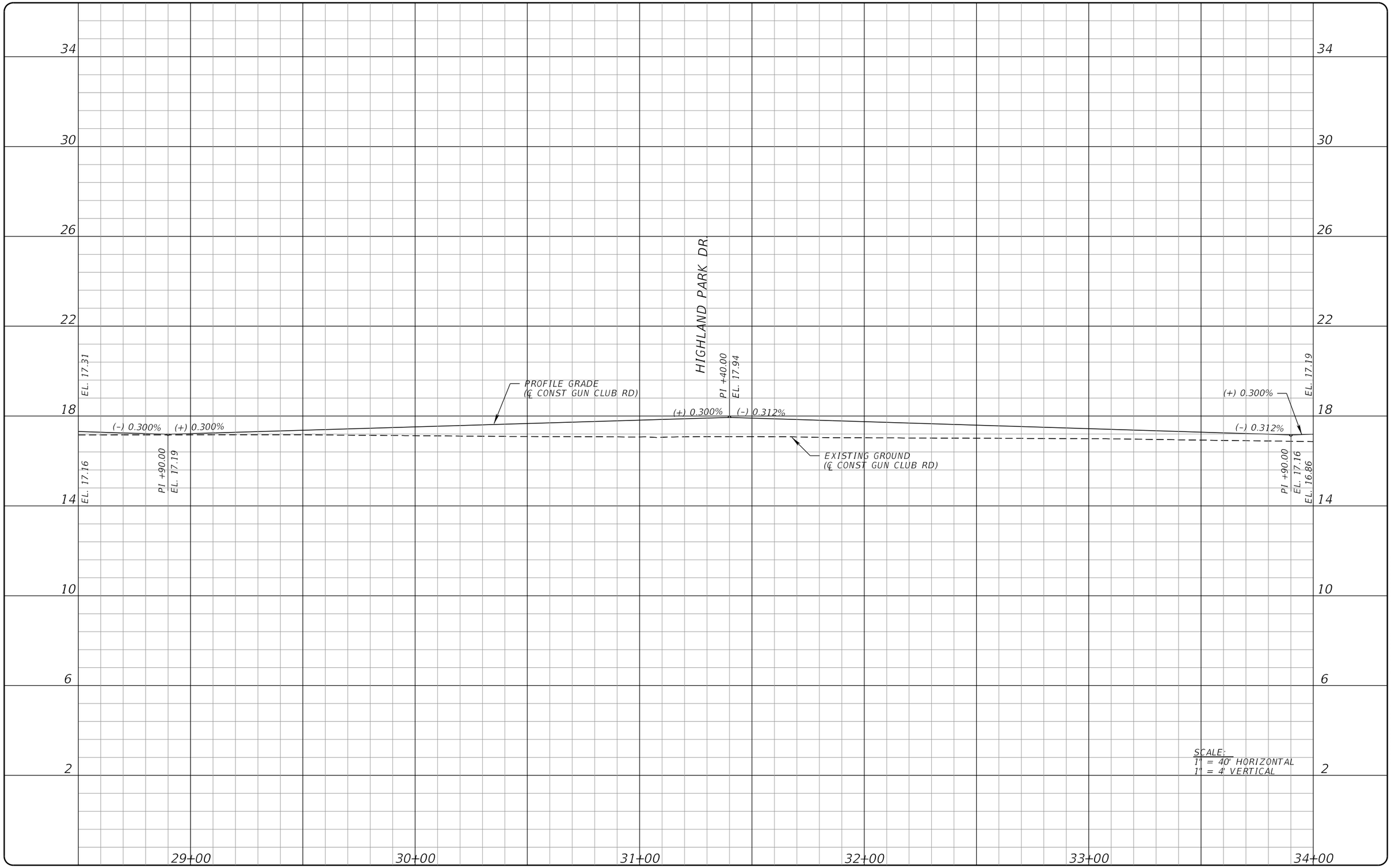
# GUN CLUB RD

FOREST ESTATES BLVD TO LWDD E-3 CANAL

PROFILE

SHEET: 13
OF: 54

PROJECT NO.
2018501




S:\18130101-02_Gun_Club_Rd\2018501\roadway\PROFRD0102.dgn

**PROPEL ENGINEERING, INC.**
6685 FOREST HILL BLVD., SUITE NO. 205
GREENACRES, FLORIDA 33413
FLORIDA BUSINESS CERT. NO. 31050
PHONE (561) 866-5730

Seal:
xx
P.E# x

| No. | Revisions | By | Date |
|---|---|---|---|
| | | | |

PALM BEACH COUNTY
ENGINEERING AND PUBLIC WORKS
ROADWAY PRODUCTION
P.O. BOX 21229, WEST PALM BEACH, FLORIDA

SCALE: H 1"=40'
V 1"=4'
APPROVED: MA
DRAWN: IA
CHECKED: JJV
DATE: 11/25/19

Istiak Ahmed 12/19/2019 5:42:46 PM

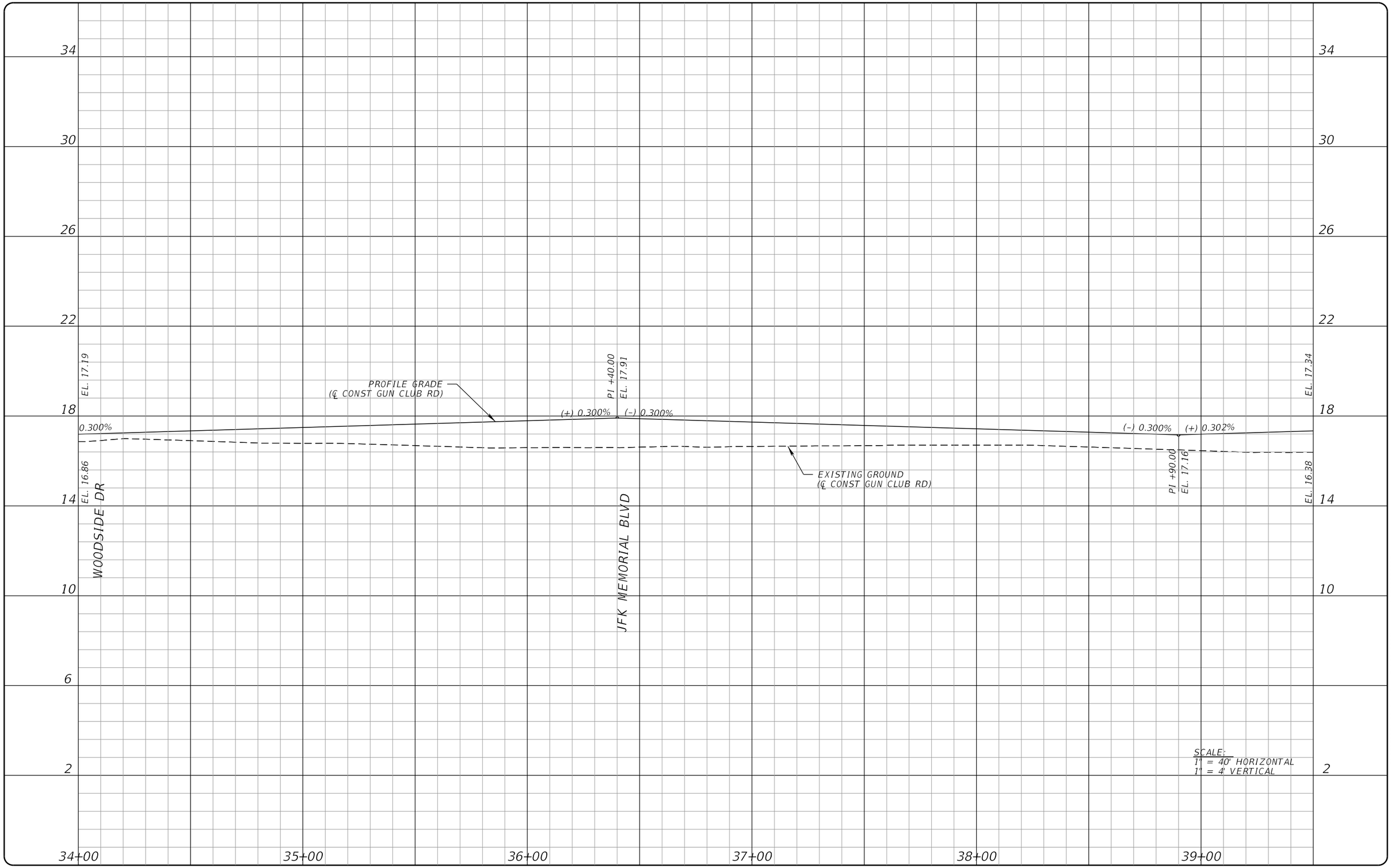
# GUN CLUB RD

FOREST ESTATES BLVD TO LWDD E-3 CANAL

## PROFILE

SHEET: 14
OF: 54

PROJECT NO.
2018501




S:\18130101-02_Gun_Club_Rd\2018501\roadway\PR0FRD0103.dgn

**PROPEL ENGINEERING, INC.**
6685 FOREST HILL BLVD., SUITE NO. 205
GREENACRES, FLORIDA 33413
FLORIDA BUSINESS CERT. NO. 31050
PHONE (561) 866-5730

Seal:
xx
P.E# x

| No. | Revisions | By | Date |
|---|---|---|---|
| | | | |

PALM BEACH COUNTY
ENGINEERING AND PUBLIC WORKS
ROADWAY PRODUCTION
P.O. BOX 21229, WEST PALM BEACH, FLORIDA

SCALE: H 1"=40'
V 1"=4'
APPROVED: MA
DRAWN: IA
CHECKED: JJV
DATE: 11/25/19

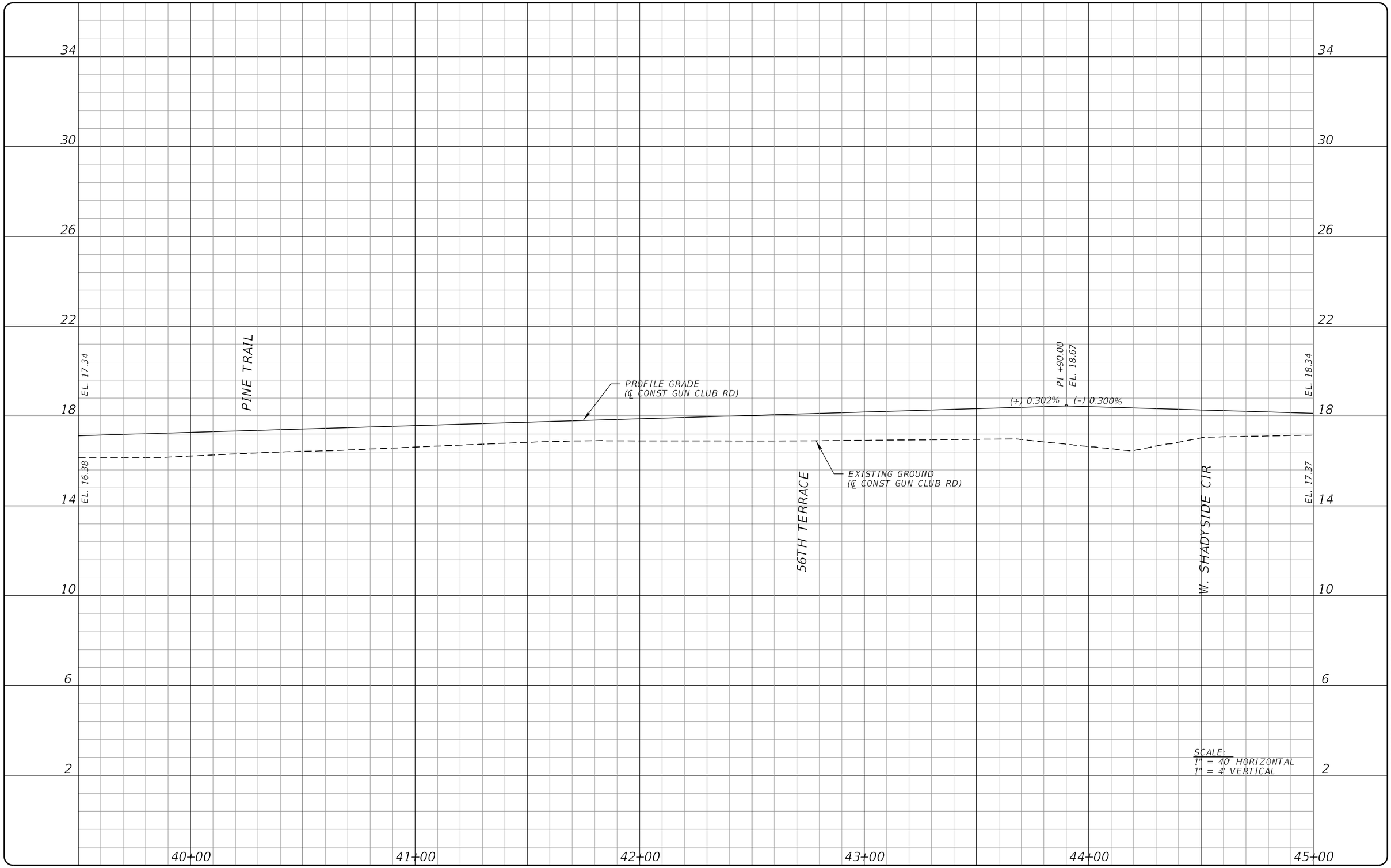
# GUN CLUB RD

FOREST ESTATES BLVD TO LWDD E-3 CANAL

## PROFILE

SHEET: 15
OF: 54
PROJECT NO. 2018501

Istiak Ahmed 12/19/2019 5:42:46 PM




S:\18130101-02_Gun_Club_Rd\2018501\roadway\PROFRD0104.dgn

**PROPEL ENGINEERING, INC.**
6685 FOREST HILL BLVD., SUITE NO. 205
GREENACRES, FLORIDA 33413
FLORIDA BUSINESS CERT. NO. 31050
PHONE (561) 866-5730

Seal:
xx
P.E# x

| No. | Revisions | By | Date |
|---|---|---|---|
| | | | |

PALM BEACH COUNTY
ENGINEERING AND PUBLIC WORKS
ROADWAY PRODUCTION
P.O. BOX 21229, WEST PALM BEACH, FLORIDA

SCALE: H 1"=40'
V 1"=4'
APPROVED: MA
DRAWN: IA
CHECKED: JJV
DATE: 11/25/19

# GUN CLUB RD

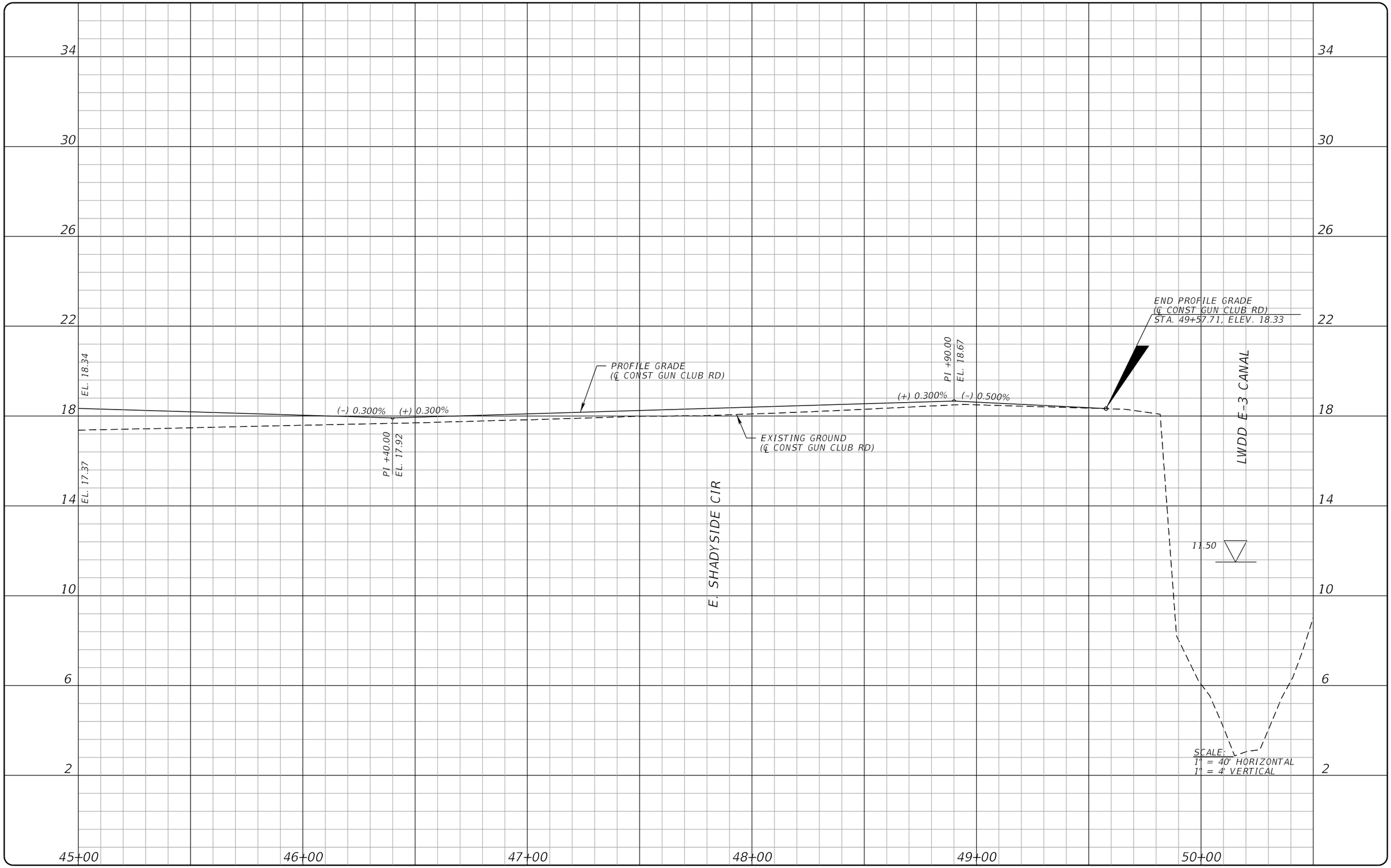
FOREST ESTATES BLVD TO LWDD E-3 CANAL

PROFILE

SHEET: 16
OF: 54

PROJECT NO.
2018501

Istiak Ahmed 12/19/2019 5:42:46 PM




S:\18130101-02_Gun_Club_Rd\2018501\roadway\PR0FRD0105.dgn

**PROPEL ENGINEERING, INC.**
6685 FOREST HILL BLVD., SUITE NO. 205
GREENACRES, FLORIDA 33413
FLORIDA BUSINESS CERT. NO. 31050
PHONE (561) 866-5730

Seal:
xx
P.E# x

| No. | Revisions | By | Date |
|---|---|---|---|
| | | | |

PALM BEACH COUNTY
ENGINEERING AND PUBLIC WORKS
ROADWAY PRODUCTION
P.O. BOX 21229, WEST PALM BEACH, FLORIDA

SCALE: H 1"=40'
V 1"=4'
APPROVED: MA
DRAWN: IA
CHECKED: JJV
DATE: 11/25/19

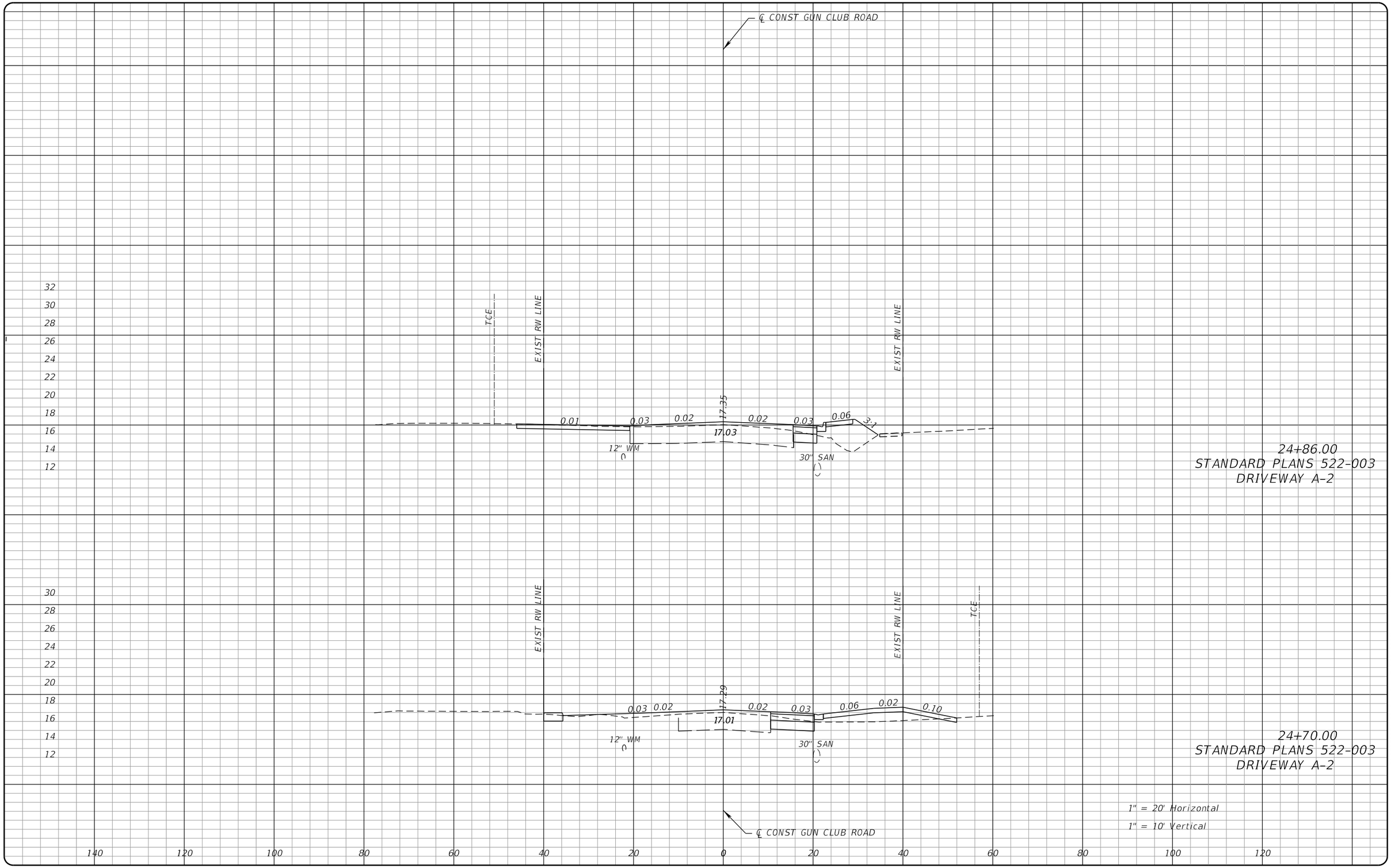
# GUN CLUB RD

FOREST ESTATES BLVD TO LWDD E-3 CANAL

## PROFILE

SHEET: 17
OF: 54
PROJECT NO. 2018501

Istiak Ahmed 12/19/2019 5:42:46 PM




S:\18130101-02_Gun_Club_Rd\2018501\roadway\RDXSRD04.dgn

**PROPEL ENGINEERING, INC.**
6685 FOREST HILL BLVD., SUITE NO. 205
GREENACRES, FLORIDA 33413
FLORIDA BUSINESS CERT. NO. 31050
PHONE (561) 866-5730

Seal:
xx
P.E# x

| No. | Revisions | By | Date |
|---|---|---|---|
| | | | |

PALM BEACH COUNTY
ENGINEERING AND PUBLIC WORKS
ROADWAY PRODUCTION
P.O. BOX 21229, WEST PALM BEACH, FLORIDA

SCALE: H. 1"=20' V. 1"=10'
APPROVED: MA
DRAWN: IA
CHECKED: JJV
DATE: 11/25/19

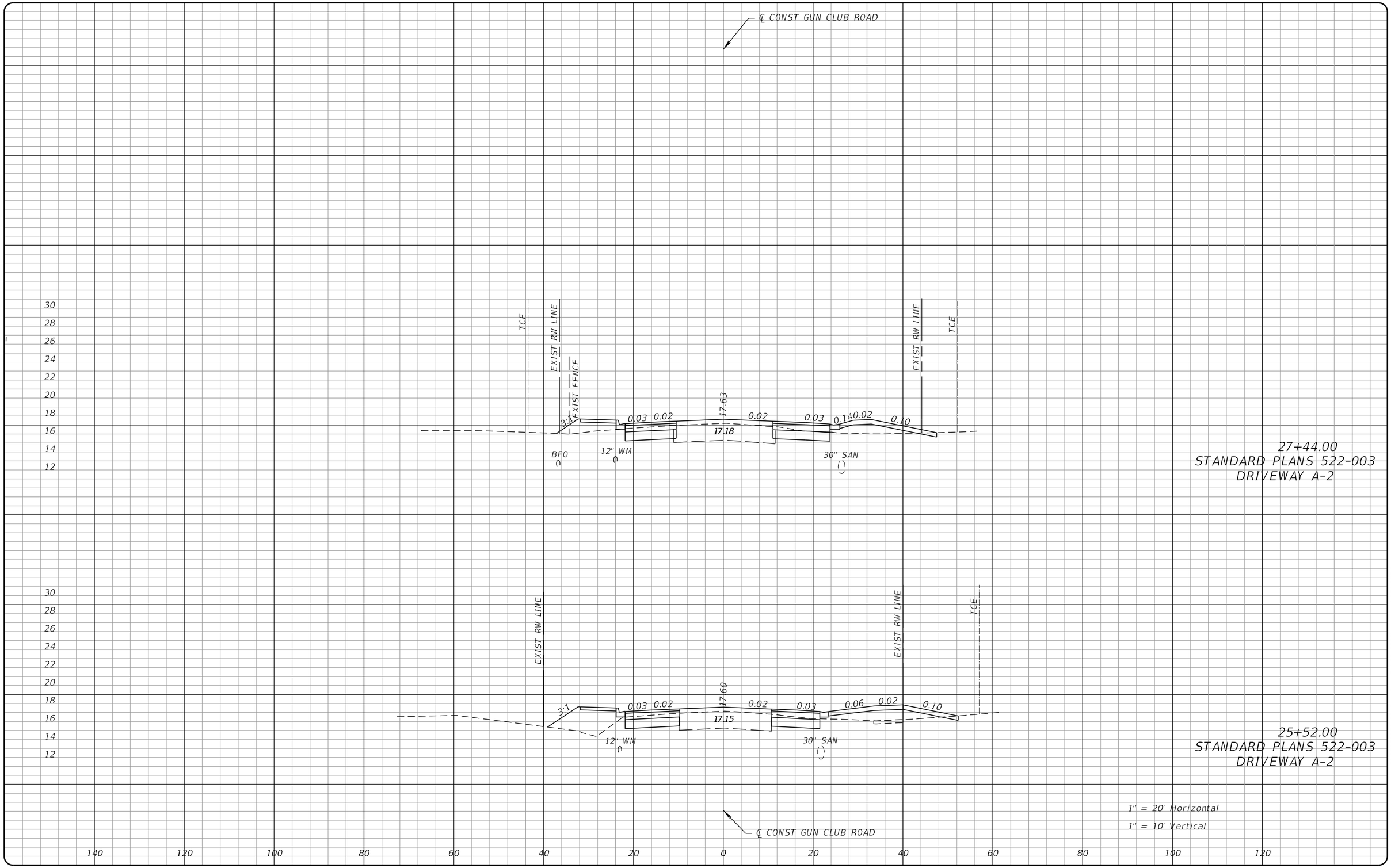
Istiak Ahmed 12/19/2019 5:42:47 PM

# GUN CLUB RD

FOREST ESTATES BLVD TO LWDD E-3 CANAL

## DRIVEWAY PROFILE

SHEET: 18
OF: 54
PROJECT NO. 2018501




**PROPEL ENGINEERING, INC.**
6685 FOREST HILL BLVD., SUITE NO. 205
GREENACRES, FLORIDA 33413
FLORIDA BUSINESS CERT. NO. 31050
PHONE (561) 866-5730

Seal:
xx
P.E# x

| No. | Revisions | By | Date |
|---|---|---|---|
| | | | |

PALM BEACH COUNTY
ENGINEERING AND PUBLIC WORKS
ROADWAY PRODUCTION
P.O. BOX 21229, WEST PALM BEACH, FLORIDA

SCALE: H. 1"=20' V. 1"=10'
APPROVED: MA
DRAWN: IA
CHECKED: JJV
DATE: 11/25/19

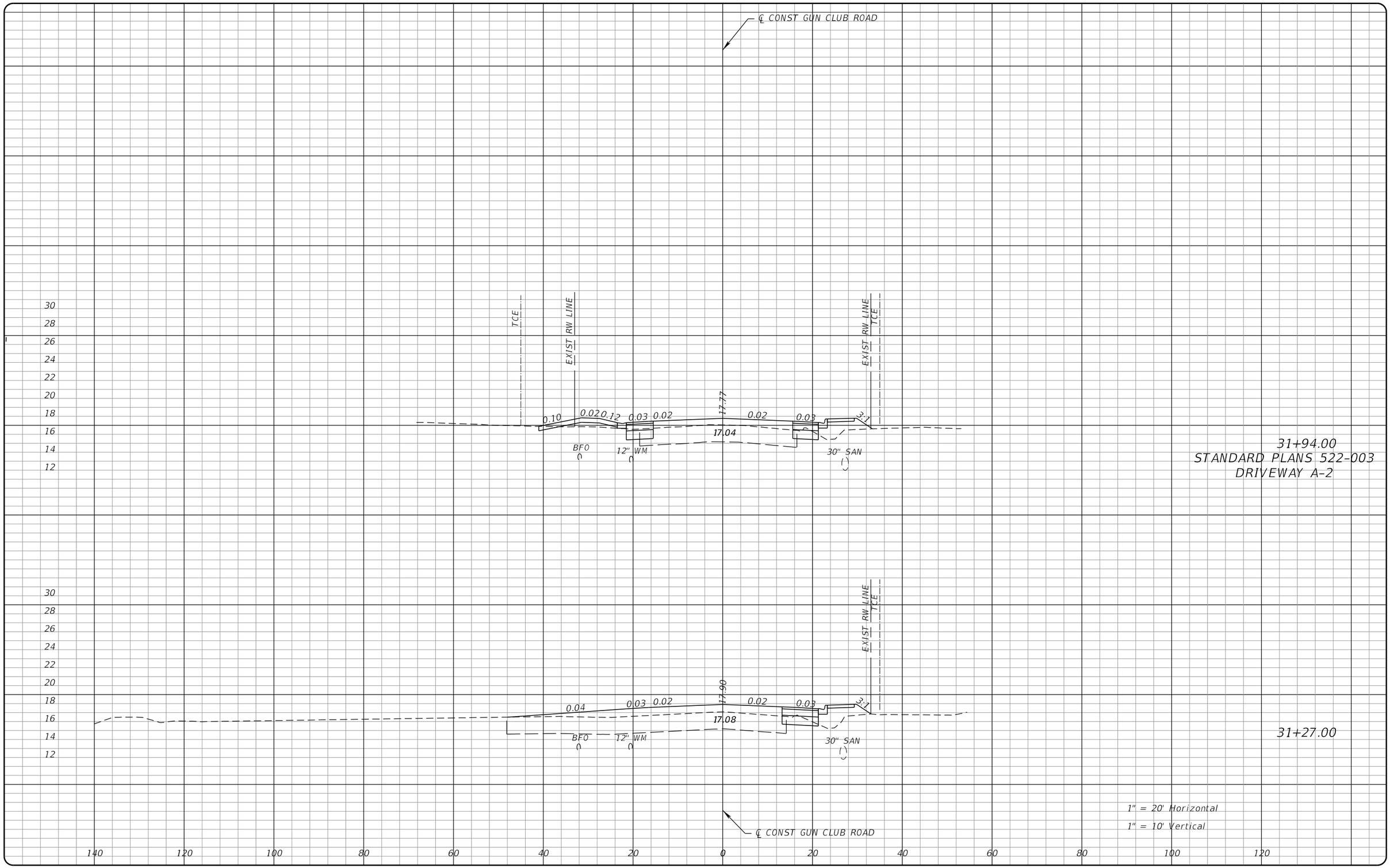
# GUN CLUB RD

FOREST ESTATES BLVD TO LWDD E-3 CANAL

## DRIVEWAY PROFILE

SHEET: 19
OF: 54
PROJECT NO. 2018501

Istiak Ahmed 12/19/2019 5:42:47 PM




S:\18130101-02_Gun_Club_Rd\2018501\roadway\RDXSRD04.dgn

**PROPEL ENGINEERING, INC.**
6685 FOREST HILL BLVD., SUITE NO. 205
GREENACRES, FLORIDA 33413
FLORIDA BUSINESS CERT. NO. 31050
PHONE (561) 866-5730

Seal:
xx
P.E# x

| No. | Revisions | By | Date |
|---|---|---|---|
| | | | |

PALM BEACH COUNTY
ENGINEERING AND PUBLIC WORKS
ROADWAY PRODUCTION
P.O. BOX 21229, WEST PALM BEACH, FLORIDA

SCALE: H. 1"=20' V. 1"=10'
APPROVED: MA
DRAWN: IA
CHECKED: JJV
DATE: 11/25/19

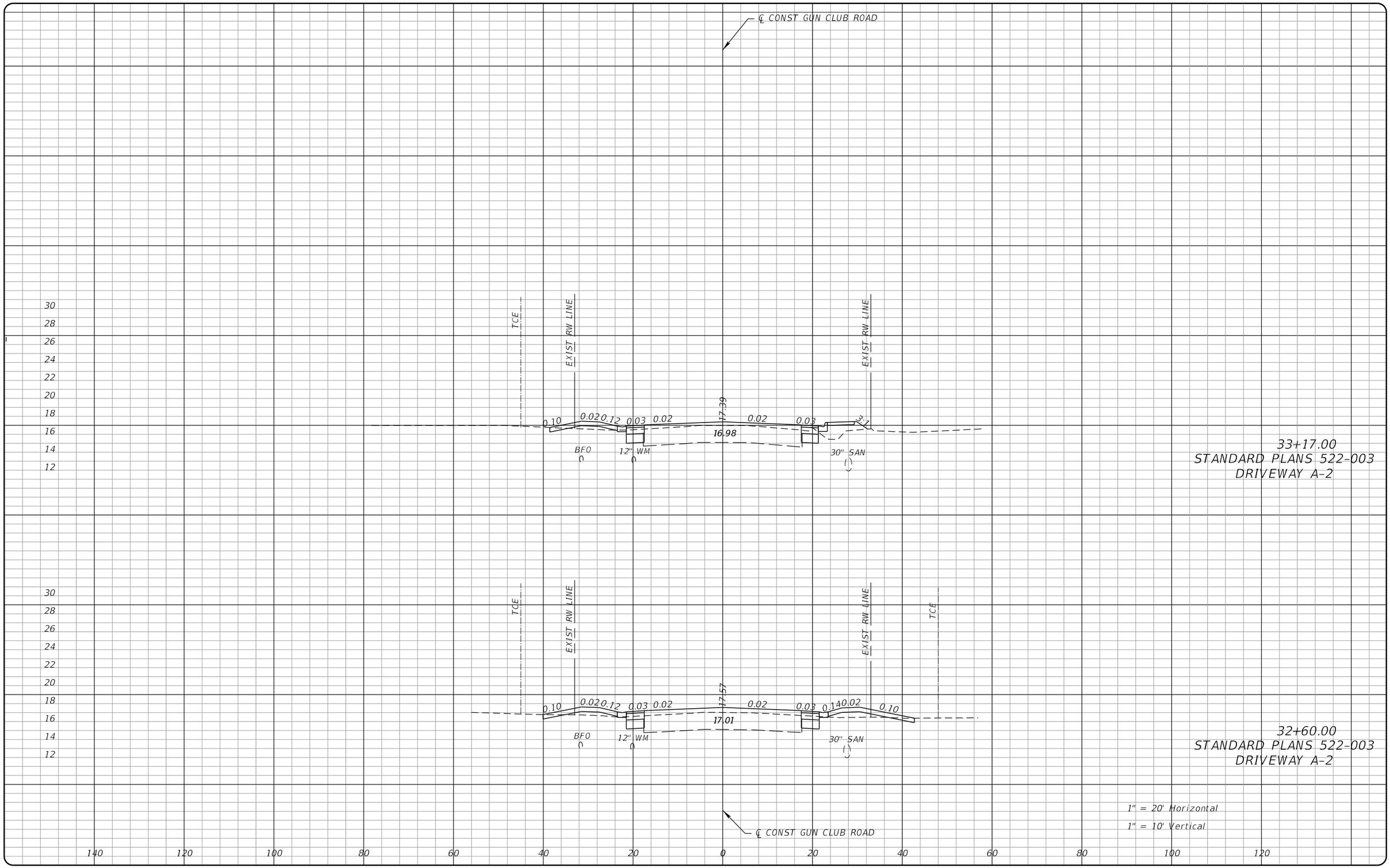
# GUN CLUB RD

FOREST ESTATES BLVD TO LWDD E-3 CANAL

## DRIVEWAY PROFILE

SHEET: 20
OF: 54
PROJECT NO. 2018501

Istiak Ahmed 12/19/2019 5:42:48 PM




S:\181301-02_Gun_Club_Rd\2018501\roadway\RDXSRD04.dgn

**PROPEL ENGINEERING, INC.**
6685 FOREST HILL BLVD., SUITE NO. 205
GREENACRES, FLORIDA 33413
FLORIDA BUSINESS CERT. NO. 31050
PHONE (561) 866-5730

Seal:
xx
P.E# x

| No. | Revisions | By | Date |
|---|---|---|---|
| | | | |

PALM BEACH COUNTY
ENGINEERING AND PUBLIC WORKS
ROADWAY PRODUCTION
P.O. BOX 21229, WEST PALM BEACH, FLORIDA

SCALE: H. 1"=20' V. 1"=10'
APPROVED: MA
DRAWN: IA
CHECKED: JJV
DATE: 11/25/19

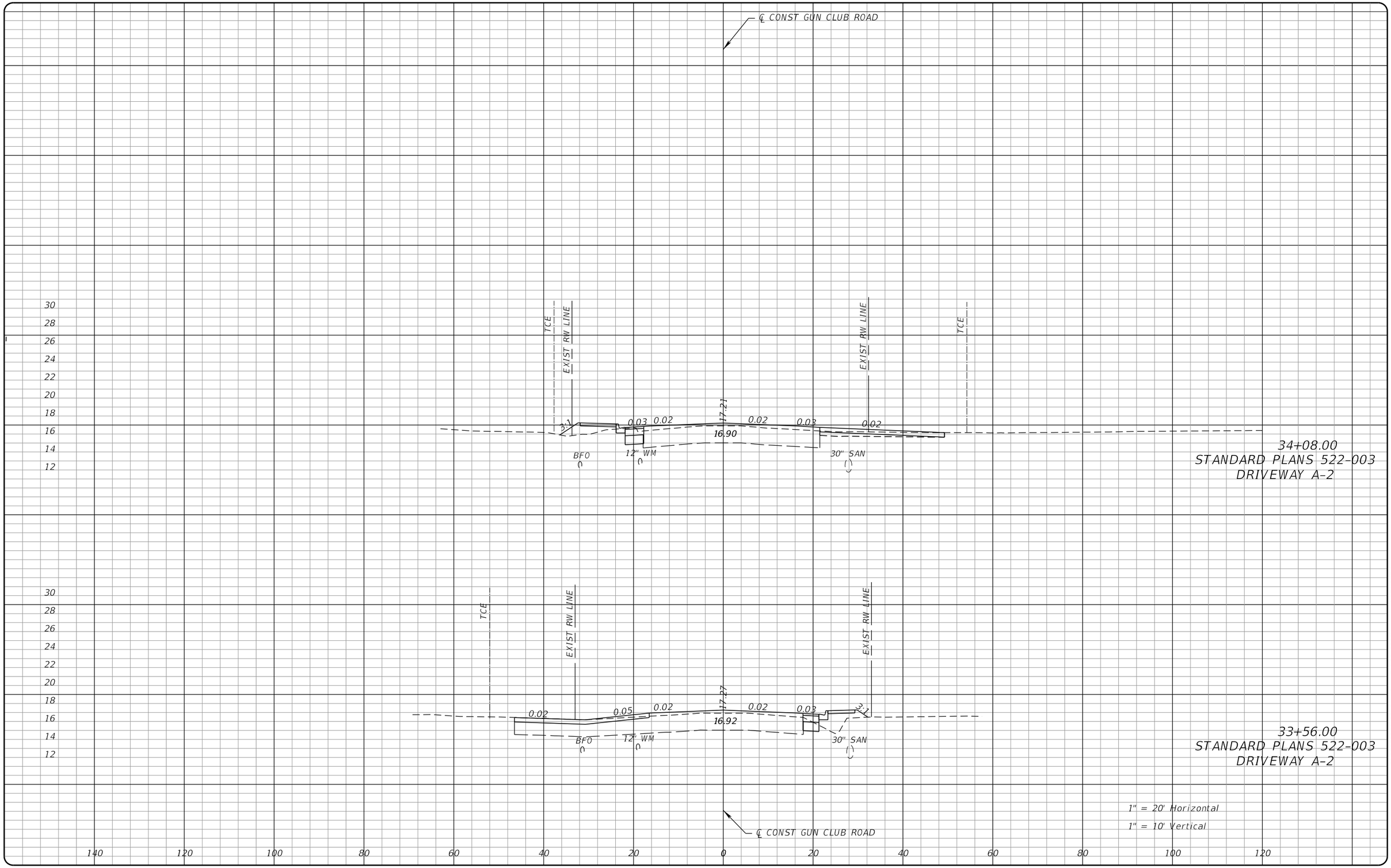
# GUN CLUB RD

FOREST ESTATES BLVD TO LWDD E-3 CANAL

## DRIVEWAY PROFILE

SHEET: 21
OF: 54
PROJECT NO. 2018501

Istiak Ahmed 12/19/2019 5:42:48 PM




S:\181301-02_Gun_Club_Rd\2018501\roadway\RDXSRD04.dgn

**PROPEL ENGINEERING, INC.**
6685 FOREST HILL BLVD., SUITE NO. 205
GREENACRES, FLORIDA 33413
FLORIDA BUSINESS CERT. NO. 31050
PHONE (561) 866-5730

Seal:
xx
P.E# x

| No. | Revisions | By | Date |
|---|---|---|---|
| | | | |

PALM BEACH COUNTY
ENGINEERING AND PUBLIC WORKS
ROADWAY PRODUCTION
P.O. BOX 21229, WEST PALM BEACH, FLORIDA

SCALE: H. 1"=20' V. 1"=10'
APPROVED: MA
DRAWN: IA
CHECKED: JJV
DATE: 11/25/19

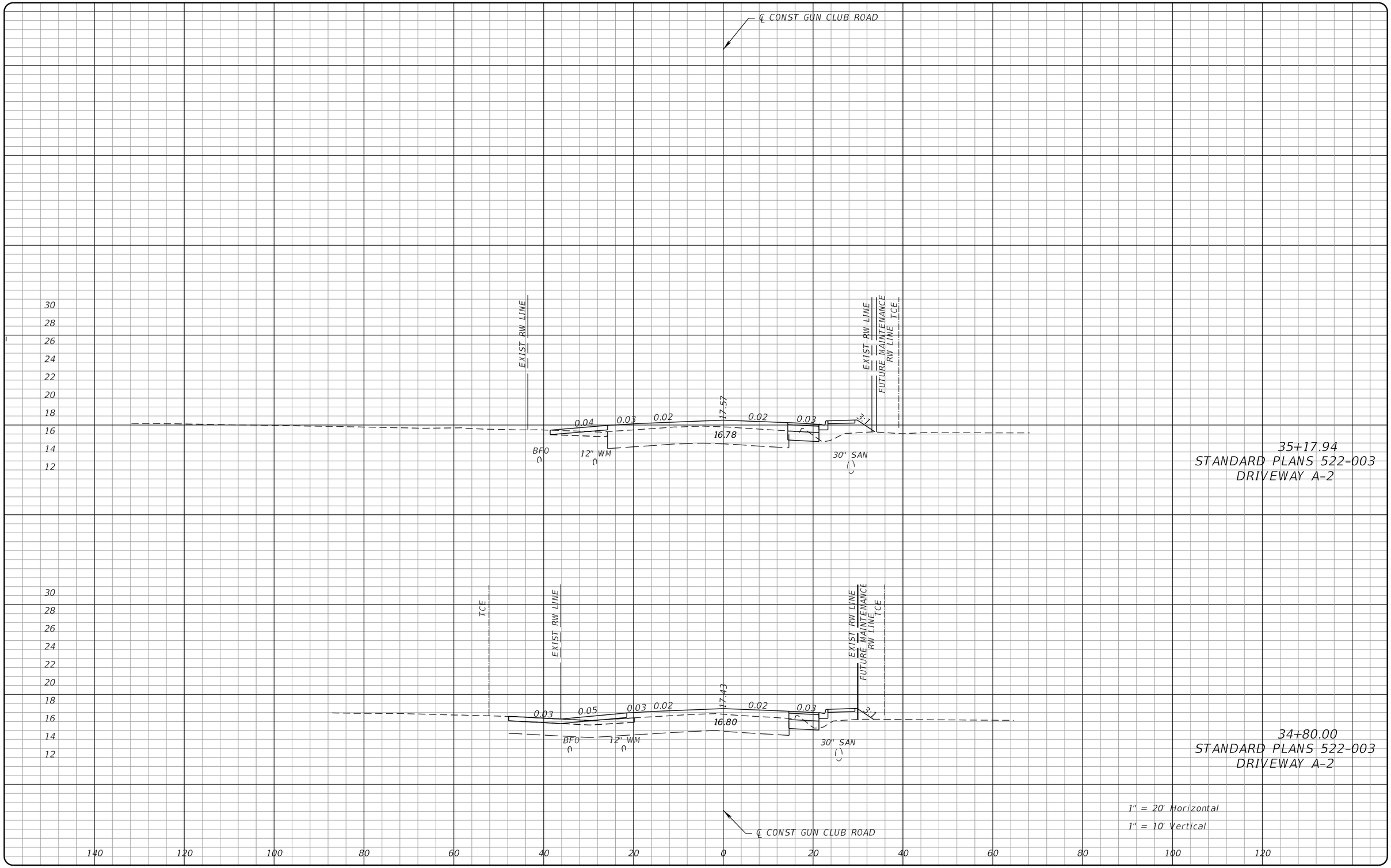
# GUN CLUB RD

FOREST ESTATES BLVD TO LWDD E-3 CANAL

## DRIVEWAY PROFILE

SHEET: 22
OF: 54
PROJECT NO. 2018501

Istiak Ahmed 12/19/2019 5:42:48 PM




S:\181301-02_Gun_Club_Rd\2018501\roadway\RDXSRD04.dgn

**PROPEL ENGINEERING, INC.**
6685 FOREST HILL BLVD., SUITE NO. 205
GREENACRES, FLORIDA 33413
FLORIDA BUSINESS CERT. NO. 31050
PHONE (561) 866-5730

Seal:
xx
P.E# x

| No. | Revisions | By | Date |
|---|---|---|---|
| | | | |

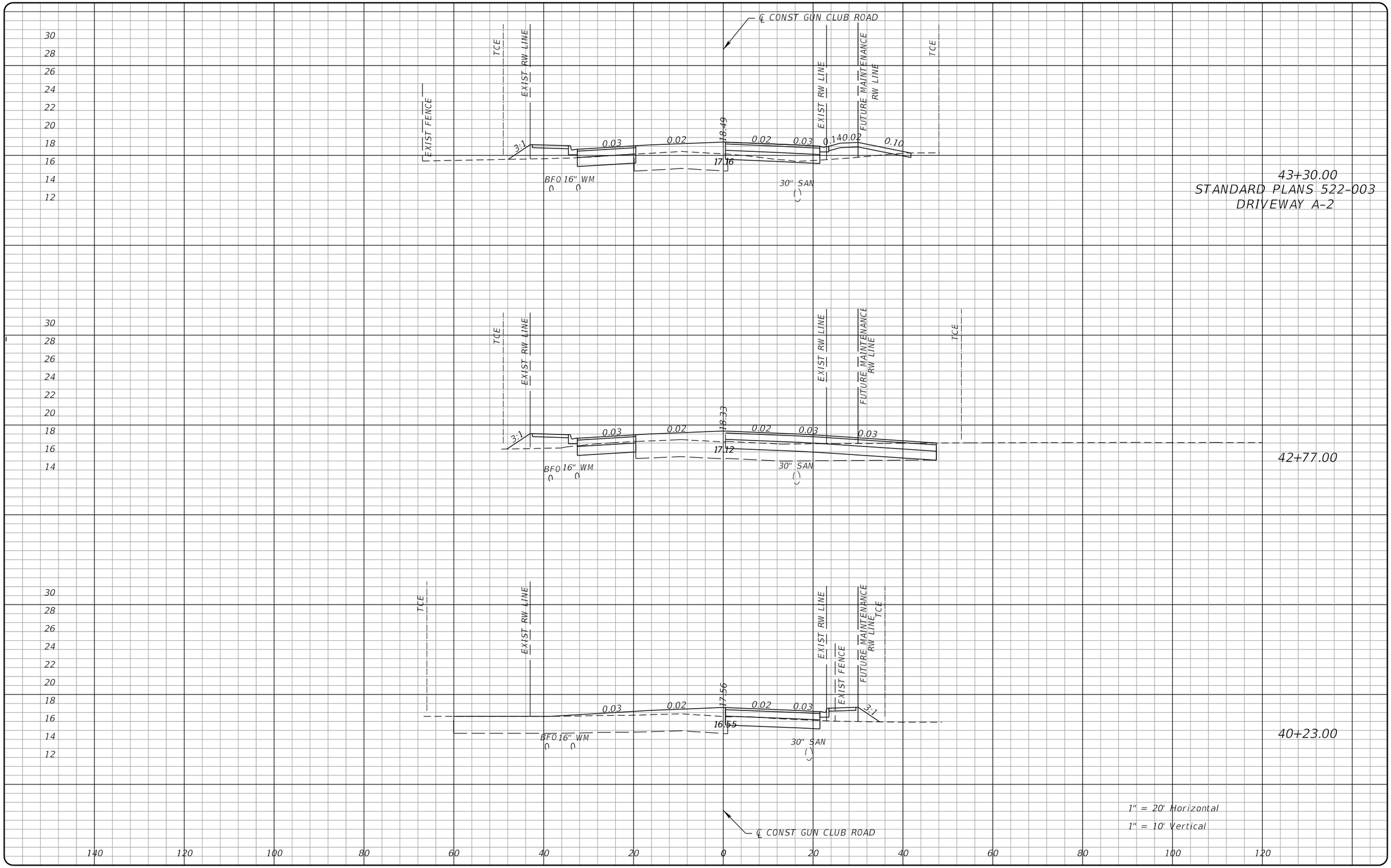
PALM BEACH COUNTY
ENGINEERING AND PUBLIC WORKS
ROADWAY PRODUCTION
P.O. BOX 21229, WEST PALM BEACH, FLORIDA

SCALE: H. 1"=20' V. 1"=10'
APPROVED: MA
DRAWN: IA
CHECKED: JJV
DATE: 11/25/19

Istiak Ahmed 12/19/2019 5:42:48 PM

GUN CLUB RD
FOREST ESTATES BLVD TO LWDD E-3 CANAL
DRIVEWAY PROFILE

SHEET: 23
OF: 54
PROJECT NO. 2018501




S:\18130101-02_Gun_Club_Rd\2018501\roadway\RDXSRD04.dgn

**PROPEL ENGINEERING, INC.**
6685 FOREST HILL BLVD., SUITE NO. 205
GREENACRES, FLORIDA 33413
FLORIDA BUSINESS CERT. NO. 31050
PHONE (561) 866-5730

Seal:
xx
P.E# x

| No. | Revisions | By | Date |
|---|---|---|---|
| | | | |

PALM BEACH COUNTY
ENGINEERING AND PUBLIC WORKS
ROADWAY PRODUCTION
P.O. BOX 21229, WEST PALM BEACH, FLORIDA

SCALE: H. 1"=20' V. 1"=10'
APPROVED: MA
DRAWN: IA
CHECKED: JJV
DATE: 11/25/19

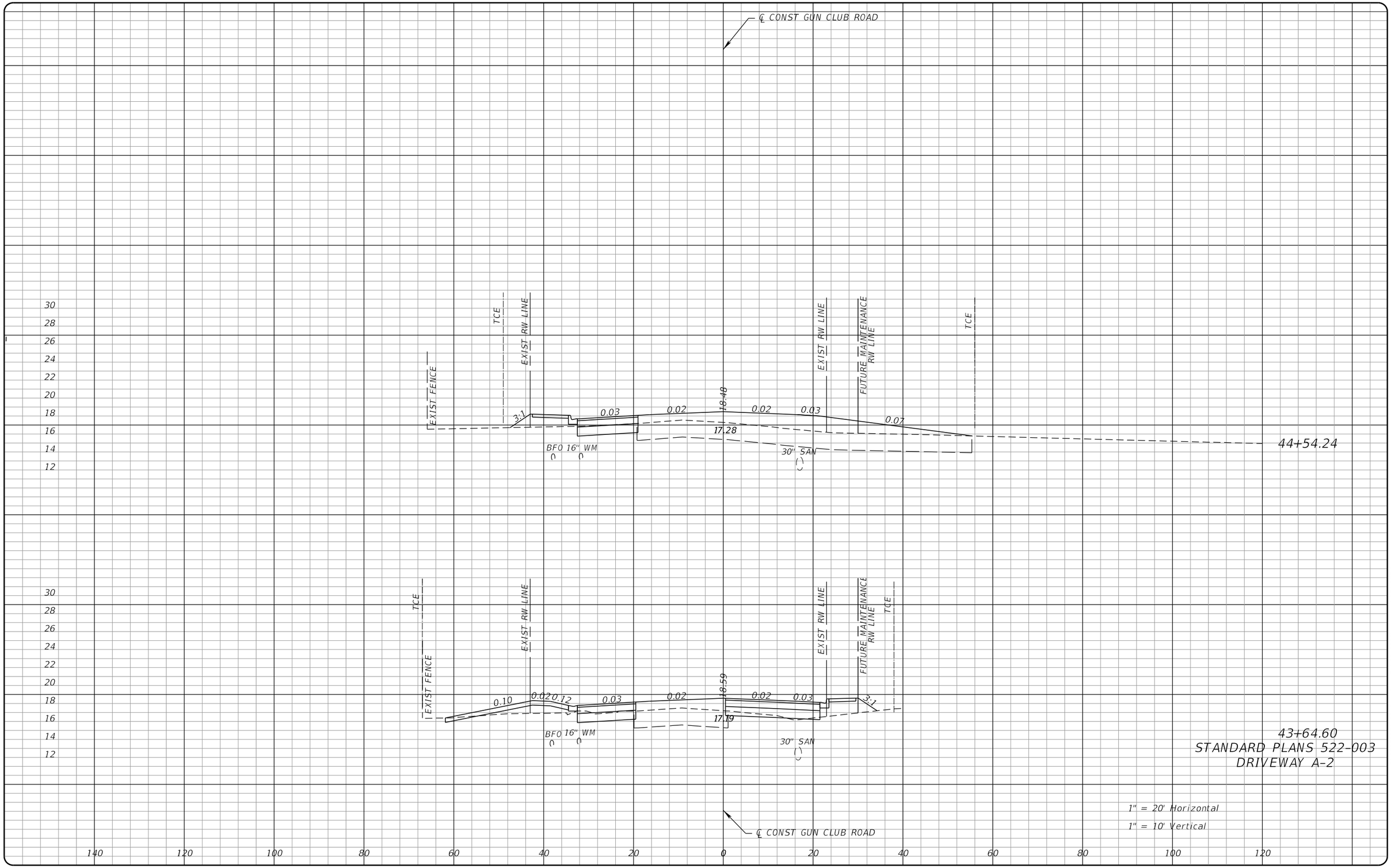
# GUN CLUB RD

FOREST ESTATES BLVD TO LWDD E-3 CANAL

## DRIVEWAY PROFILE

SHEET: 24
OF: 54
PROJECT NO. 2018501

Istiak Ahmed 12/19/2019 5:42:49 PM




S:\18130101-02_Gun_Club_Rd\2018501\roadway\RDXSRD04.dgn

**PROPEL ENGINEERING, INC.**
6685 FOREST HILL BLVD., SUITE NO. 205
GREENACRES, FLORIDA 33413
FLORIDA BUSINESS CERT. NO. 31050
PHONE (561) 866-5730

Seal:
xx
P.E# x

| No. | Revisions | By | Date |
|---|---|---|---|
| | | | |

PALM BEACH COUNTY
ENGINEERING AND PUBLIC WORKS
ROADWAY PRODUCTION
P.O. BOX 21229, WEST PALM BEACH, FLORIDA

SCALE: H. 1"=20' V. 1"=10'
APPROVED: MA
DRAWN: IA
CHECKED: JJV
DATE: 11/25/19

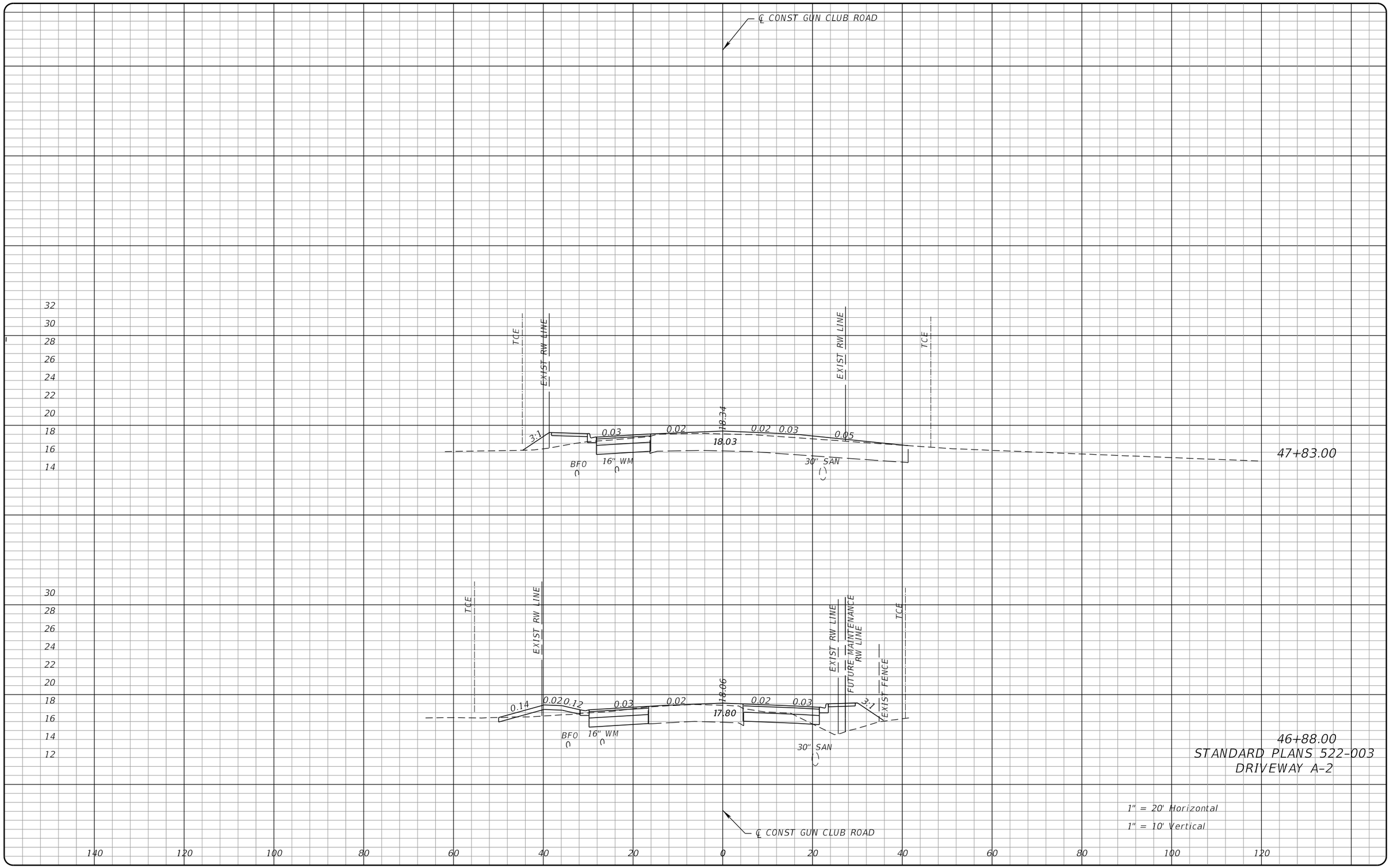
# GUN CLUB RD

FOREST ESTATES BLVD TO LWDD E-3 CANAL

## DRIVEWAY PROFILE

SHEET: 25
OF: 54
PROJECT NO. 2018501

Istiak Ahmed 12/19/2019 5:42:49 PM




S:\18130101-02_Gun_Club_Rd\2018501\roadway\RDXSRD04.dgn

**PROPEL ENGINEERING, INC.**
6685 FOREST HILL BLVD., SUITE NO. 205
GREENACRES, FLORIDA 33413
FLORIDA BUSINESS CERT. NO. 31050
PHONE (561) 866-5730

Seal:
xx
P.E# x

| No. | Revisions | By | Date |
|---|---|---|---|
| | | | |

PALM BEACH COUNTY
ENGINEERING AND PUBLIC WORKS
ROADWAY PRODUCTION
P.O. BOX 21229, WEST PALM BEACH, FLORIDA

SCALE: H. 1"=20' V. 1"=10'
APPROVED: MA
DRAWN: IA
CHECKED: JJV
DATE: 11/25/19

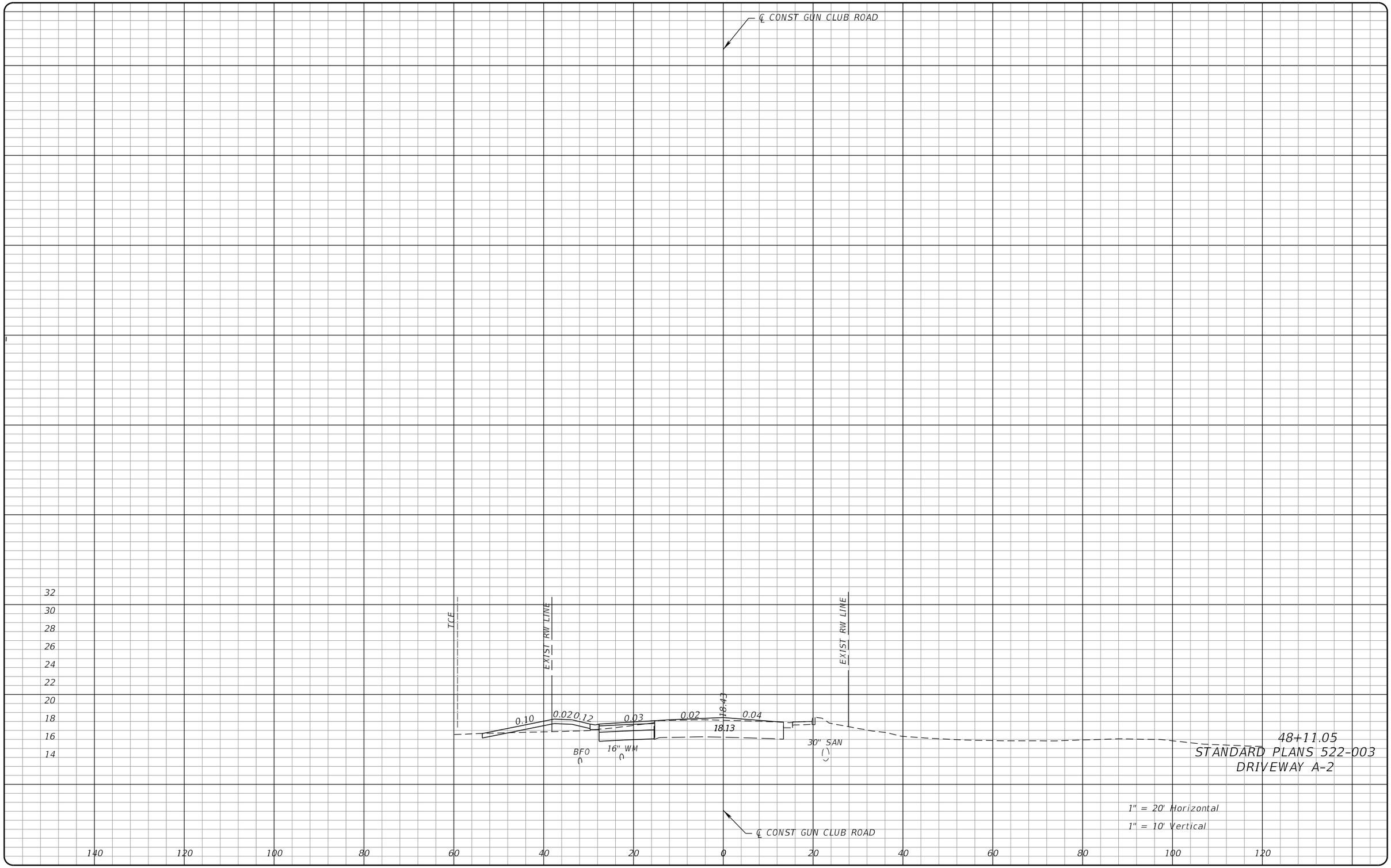
# GUN CLUB RD

FOREST ESTATES BLVD TO LWDD E-3 CANAL

## DRIVEWAY PROFILE

SHEET: 26
OF: 54
PROJECT NO. 2018501

Istiak Ahmed 12/19/2019 5:42:49 PM




S:\181301101-02_Gun_Club_Rd\2018501\roadway\RDXSRD04.dgn

PROPEL

**PROPEL ENGINEERING, INC.**
6685 FOREST HILL BLVD., SUITE NO. 205
GREENACRES, FLORIDA 33413
FLORIDA BUSINESS CERT. NO. 31050
PHONE (561) 866-5730

Seal:
xx
P.E# x

| No. | Revisions | By | Date |
|---|---|---|---|
| | | | |

PALM BEACH COUNTY
ENGINEERING AND PUBLIC WORKS
ROADWAY PRODUCTION
P.O. BOX 21229, WEST PALM BEACH, FLORIDA

SCALE: H. 1"=20' V. 1"=10'
APPROVED: MA
DRAWN: IA
CHECKED: JJV
DATE: 11/25/19

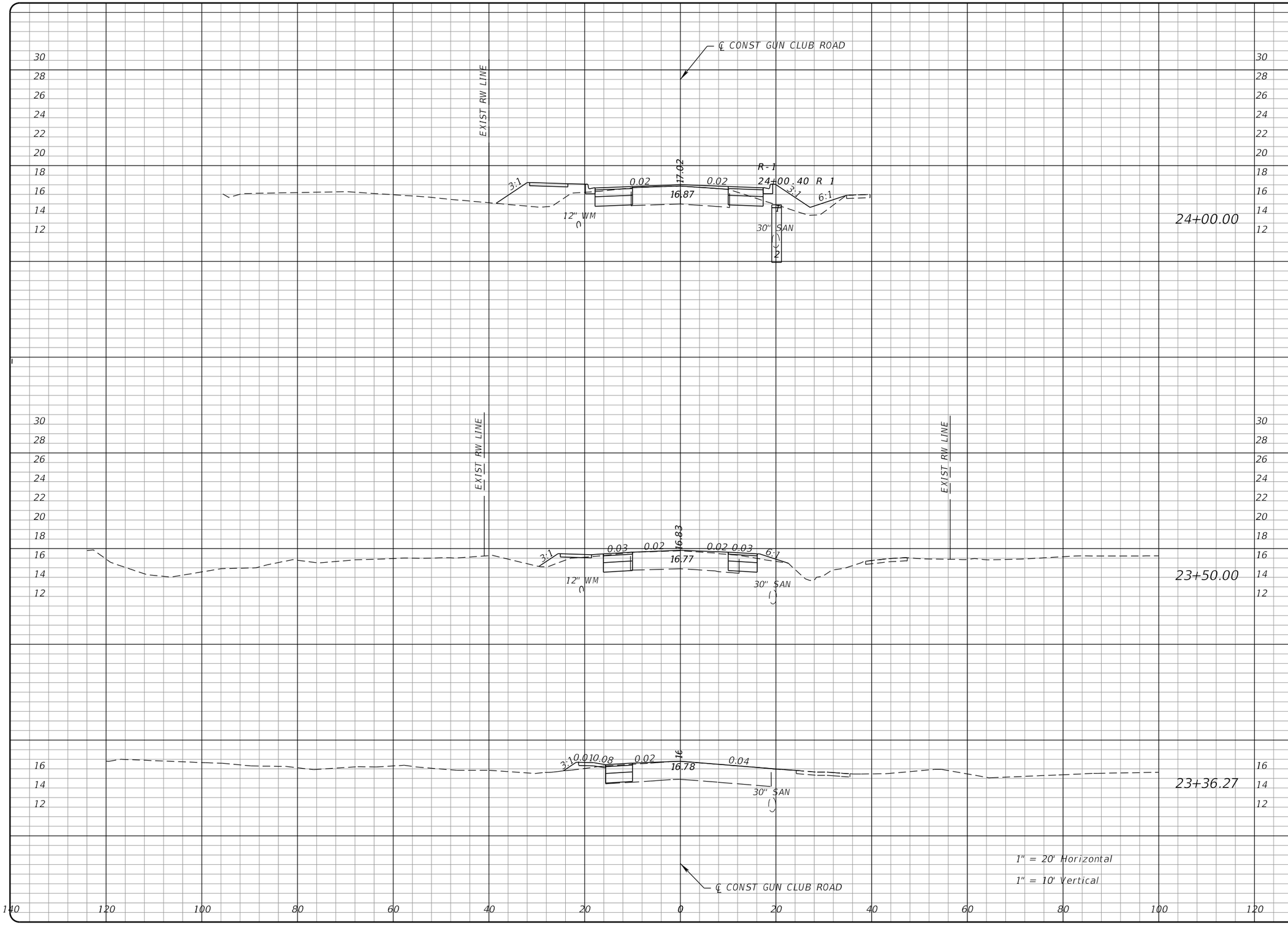
Istiak Ahmed 12/19/2019 5:42:49 PM

# GUN CLUB RD

FOREST ESTATES BLVD TO LWDD E-3 CANAL

## DRIVEWAY PROFILE

SHEET: 27
OF: 54
PROJECT NO. 2018501




| Regular Exc. | | Embankment | |
|---|---|---|---|
| A | V | A | V |

S:\18130101-02_Gun_Club_Rd\2018501\roadway\RDXSRD03.dgn

**PROPEL ENGINEERING, INC.**
6685 FOREST HILL BLVD., SUITE NO. 205
GREENACRES, FLORIDA 33413
FLORIDA BUSINESS CERT. NO. 31050
PHONE (561) 866-5730

Seal:
xx
P.E# x

| No. | Revisions | By | Date |
|---|---|---|---|
| | | | |

PALM BEACH COUNTY
ENGINEERING AND PUBLIC WORKS
ROADWAY PRODUCTION
P.O. BOX 21229, WEST PALM BEACH, FLORIDA

SCALE: H. 1"=20' V. 1"=10'
APPROVED: MA
DRAWN: IA
CHECKED: JJV
DATE: 11/25/19

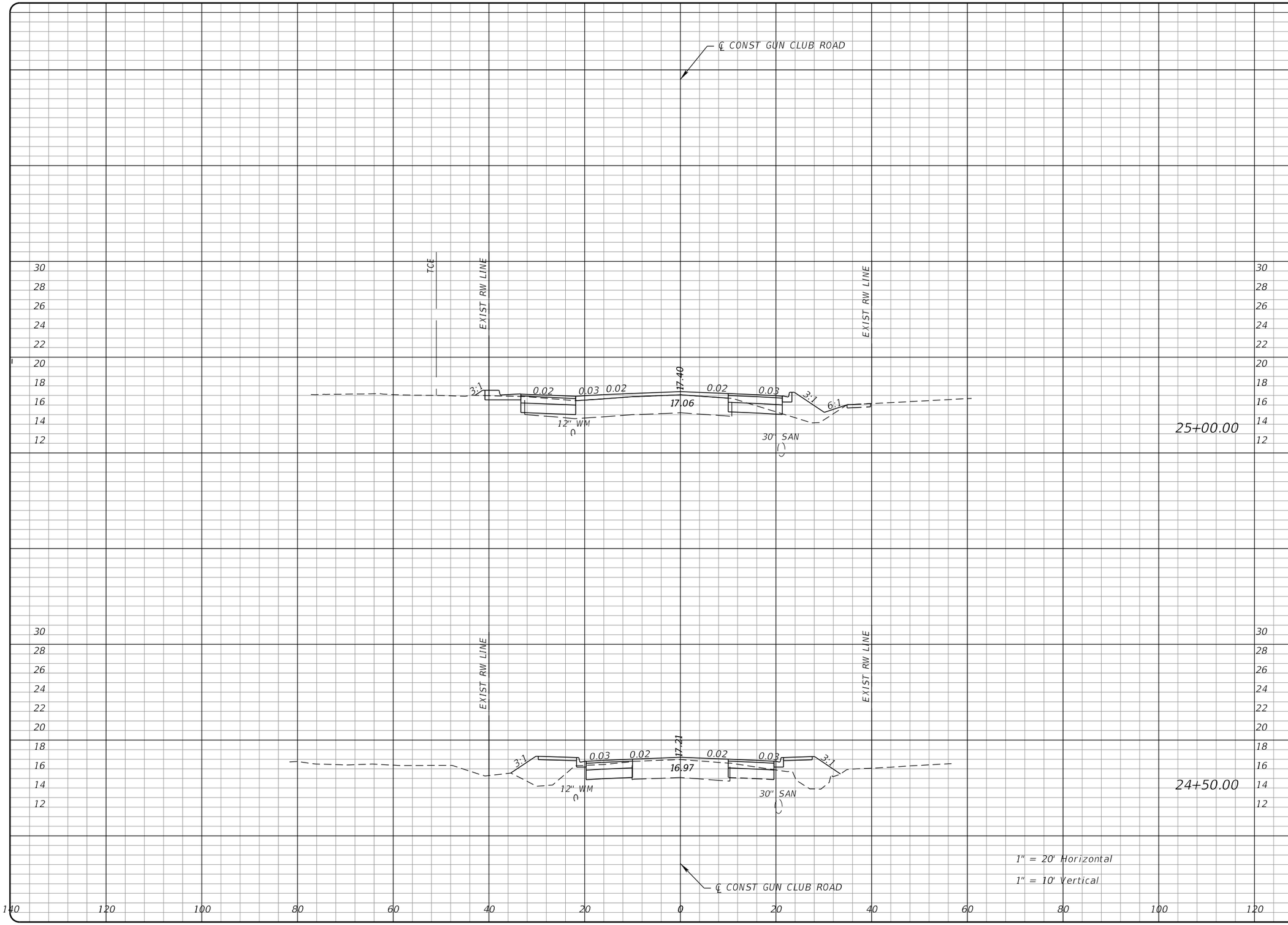
Istiak Ahmed 12/19/2019 5:42:50 PM

# GUN CLUB RD

FOREST ESTATES BLVD TO LWDD E-3 CANAL

## CROSS SECTIONS

SHEET: 28
OF: 54
PROJECT NO. 2018501




| Regular Exc. | | Embankment | |
|---|---|---|---|
| A | V | A | V |

S:\18130101-02_Gun_Club_Rd\2018501\roadway\RDXSRD03.dgn

**PROPEL ENGINEERING, INC.**
6685 FOREST HILL BLVD., SUITE NO. 205
GREENACRES, FLORIDA 33413
FLORIDA BUSINESS CERT. NO. 31050
PHONE (561) 866-5730

Seal:
xx
P.E# x

| No. | Revisions | By | Date |
|---|---|---|---|
| | | | |

PALM BEACH COUNTY
ENGINEERING AND PUBLIC WORKS
ROADWAY PRODUCTION
P.O. BOX 21229, WEST PALM BEACH, FLORIDA

SCALE: H. 1"=20' V. 1"=10'
APPROVED: MA
DRAWN: IA
CHECKED: JJV
DATE: 11/25/19

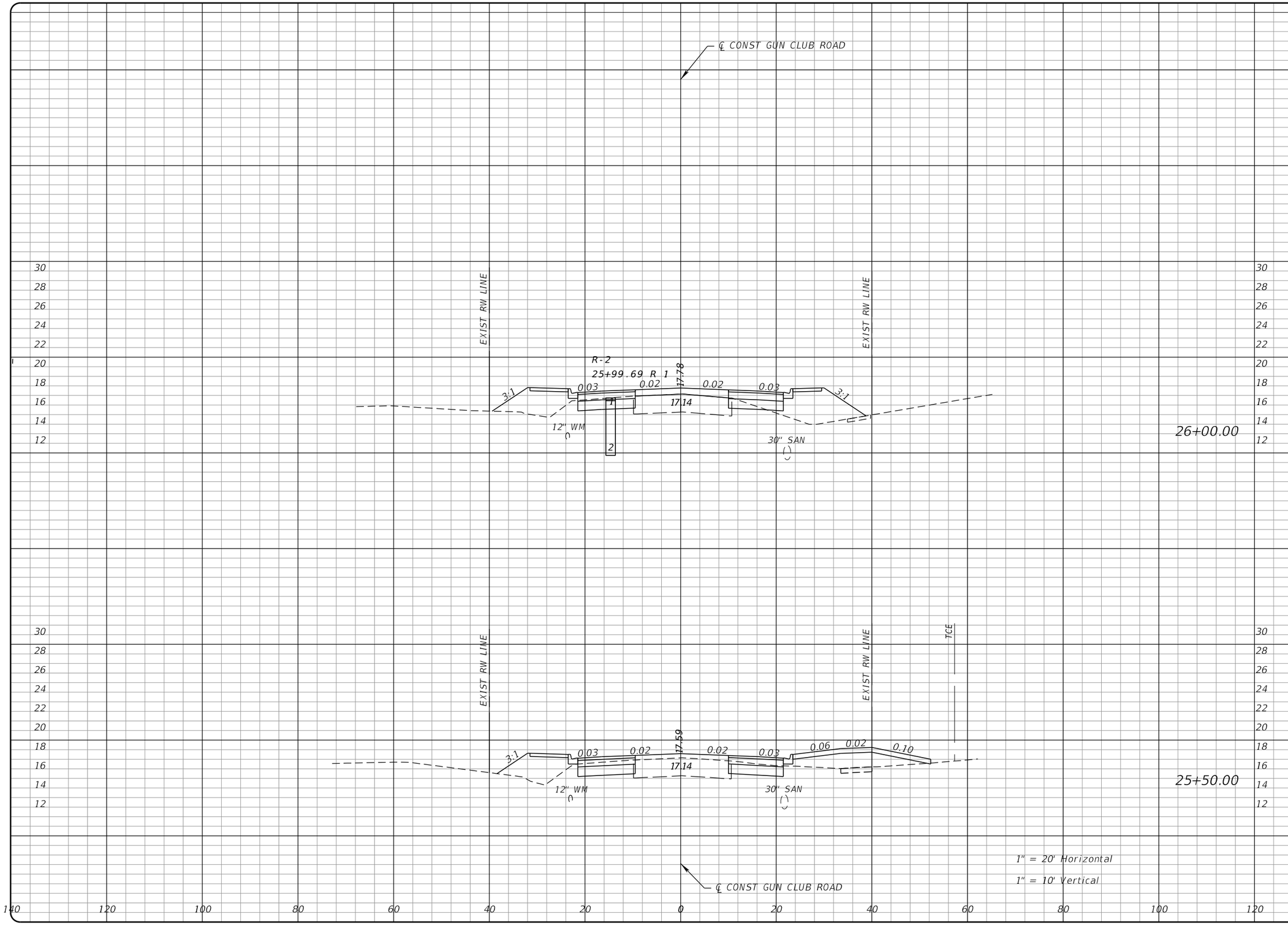
Istiak Ahmed 12/19/2019 5:42:50 PM

# GUN CLUB RD

FOREST ESTATES BLVD TO LWDD E-3 CANAL

## CROSS SECTIONS

SHEET: 29
OF: 54
PROJECT NO. 2018501




| Regular Exc. | | Embankment | |
|---|---|---|---|
| A | V | A | V |

S:\18130101-02_Gun_Club_Rd\2018501\roadway\RDXSRD03.dgn

**PROPEL ENGINEERING, INC.**
6685 FOREST HILL BLVD., SUITE NO. 205
GREENACRES, FLORIDA 33413
FLORIDA BUSINESS CERT. NO. 31050
PHONE (561) 866-5730

Seal:
xx
P.E# x

| No. | Revisions | By | Date |
|---|---|---|---|
| | | | |

PALM BEACH COUNTY
ENGINEERING AND PUBLIC WORKS
ROADWAY PRODUCTION
P.O. BOX 21229, WEST PALM BEACH, FLORIDA

SCALE: H. 1"=20' V. 1"=10'
APPROVED: MA
DRAWN: IA
CHECKED: JJV
DATE: 11/25/19

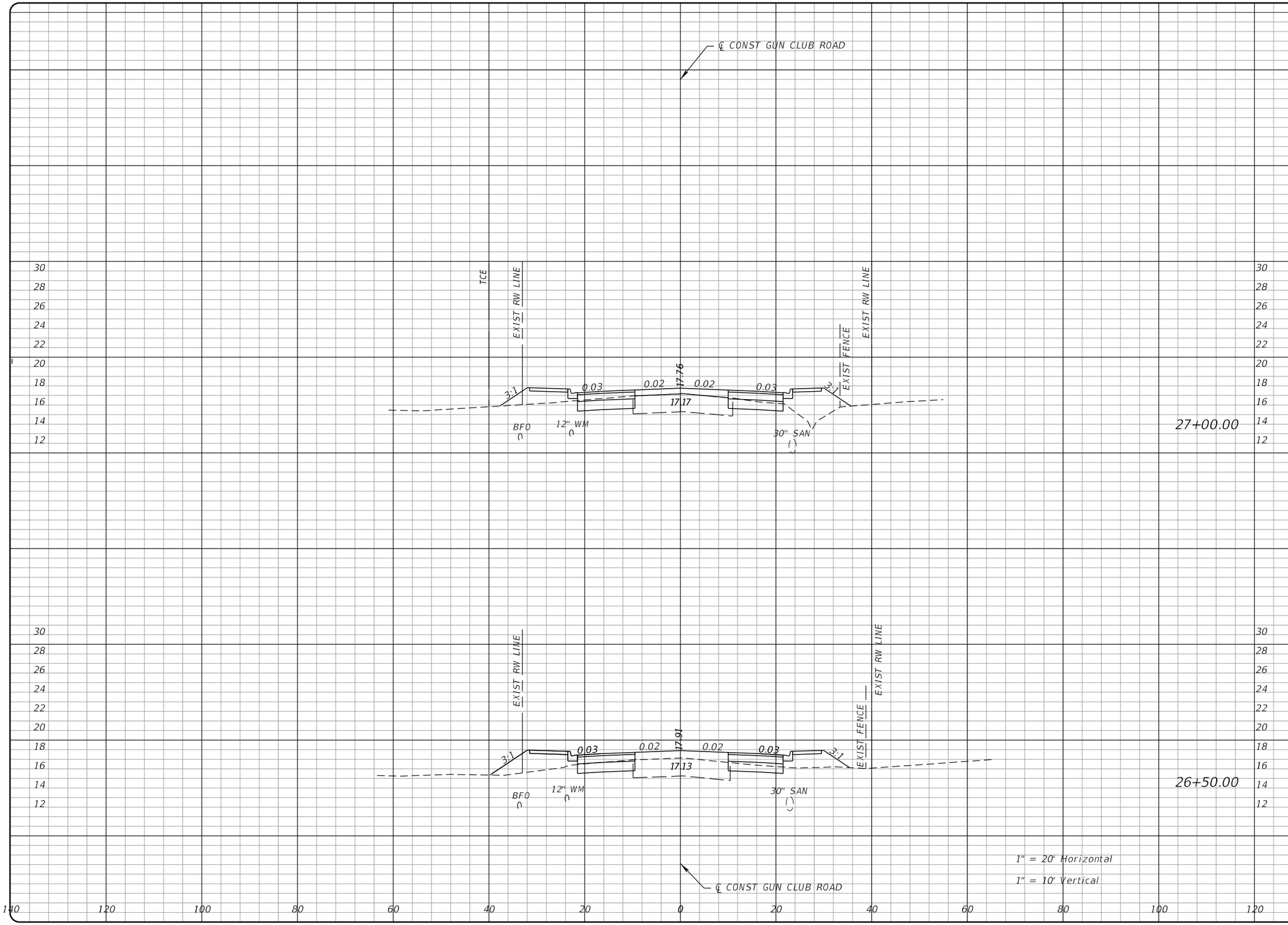
# GUN CLUB RD

FOREST ESTATES BLVD TO LWDD E-3 CANAL

## CROSS SECTIONS

SHEET: 30
OF: 54
PROJECT NO. 2018501

Istiak Ahmed 12/19/2019 5:42:51 PM




| Regular Exc. | | Embankment | |
|---|---|---|---|
| A | V | A | V |

S:\18130101-02_Gun_Club_Rd\2018501\roadway\RDXSRD03.dgn

**PROPEL ENGINEERING, INC.**
6685 FOREST HILL BLVD., SUITE NO. 205
GREENACRES, FLORIDA 33413
FLORIDA BUSINESS CERT. NO. 31050
PHONE (561) 866-5730

Seal:
xx
P.E# x

| No. | Revisions | By | Date |
|---|---|---|---|
| | | | |

PALM BEACH COUNTY
ENGINEERING AND PUBLIC WORKS
ROADWAY PRODUCTION
P.O. BOX 21229, WEST PALM BEACH, FLORIDA

SCALE: H. 1"=20' V. 1"=10'
APPROVED: MA
DRAWN: IA
CHECKED: JJV
DATE: 11/25/19

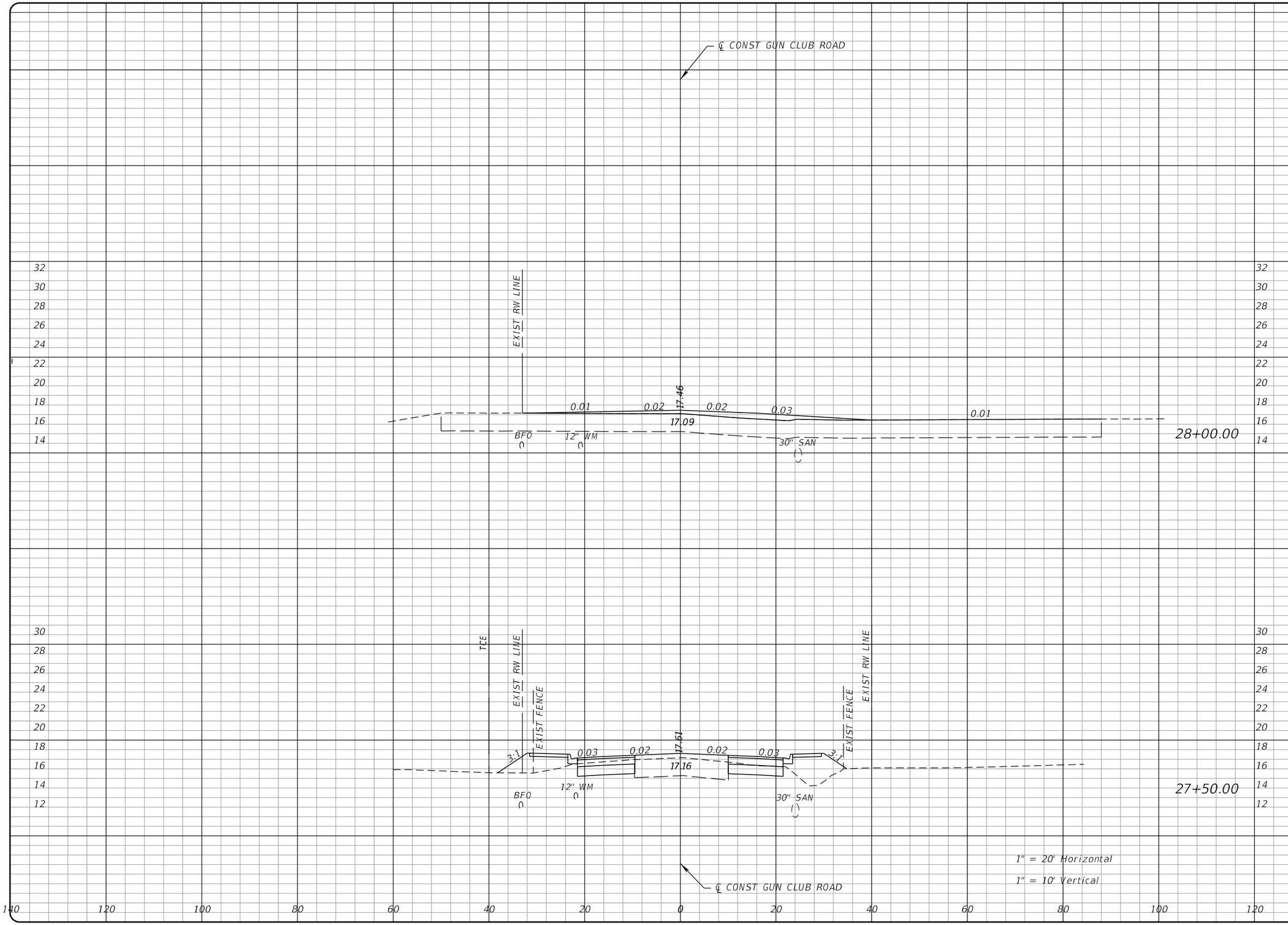
# GUN CLUB RD

FOREST ESTATES BLVD TO LWDD E-3 CANAL

## CROSS SECTIONS

SHEET: 31
OF: 54
PROJECT NO. 2018501

Istiak Ahmed 12/19/2019 5:42:51 PM




| Regular Exc. | | Embankment | |
|---|---|---|---|
| A | V | A | V |

S:\181301-02_Gun_Club_Rd\2018501\roadway\RDXSRD03.dgn

**PROPEL ENGINEERING, INC.**
6685 FOREST HILL BLVD., SUITE NO. 205
GREENACRES, FLORIDA 33413
FLORIDA BUSINESS CERT. NO. 31050
PHONE (561) 866-5730

Seal:
xx
P.E# x

| No. | Revisions | By | Date |
|---|---|---|---|
| | | | |

PALM BEACH COUNTY
ENGINEERING AND PUBLIC WORKS
ROADWAY PRODUCTION
P.O. BOX 21229, WEST PALM BEACH, FLORIDA

SCALE: H. 1"=20' V. 1"=10'
APPROVED: MA
DRAWN: IA
CHECKED: JJV
DATE: 11/25/19

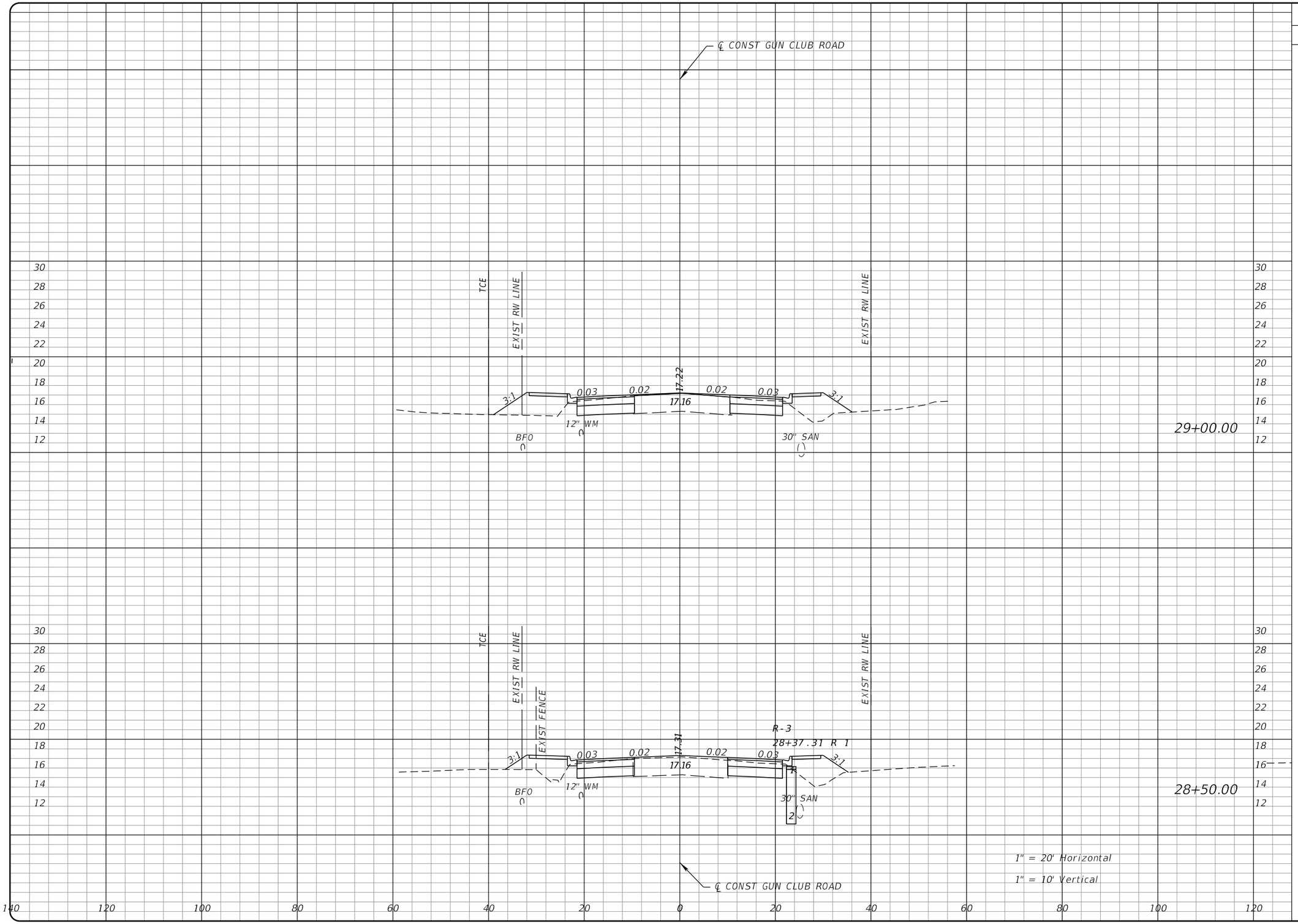
# GUN CLUB RD

FOREST ESTATES BLVD TO LWDD E-3 CANAL

## CROSS SECTIONS

SHEET: 32
OF: 54
PROJECT NO. 2018501

Istiak Ahmed 12/19/2019 5:42:51 PM




| Regular Exc. | | Embankment | |
|---|---|---|---|
| A | V | A | V |

S:\18130101-02_Gun_Club_Rd\2018501\roadway\RDXSRD03.dgn

**PROPEL ENGINEERING, INC.**
6685 FOREST HILL BLVD., SUITE NO. 205
GREENACRES, FLORIDA 33413
FLORIDA BUSINESS CERT. NO. 31050
PHONE (561) 866-5730

Seal:
xx
P.E# x

| No. | Revisions | By | Date |
|---|---|---|---|
| | | | |

PALM BEACH COUNTY
ENGINEERING AND PUBLIC WORKS
ROADWAY PRODUCTION
P.O. BOX 21229, WEST PALM BEACH, FLORIDA

SCALE: H. 1"=20' V. 1"=10'
APPROVED: MA
DRAWN: IA
CHECKED: JJV
DATE: 11/25/19

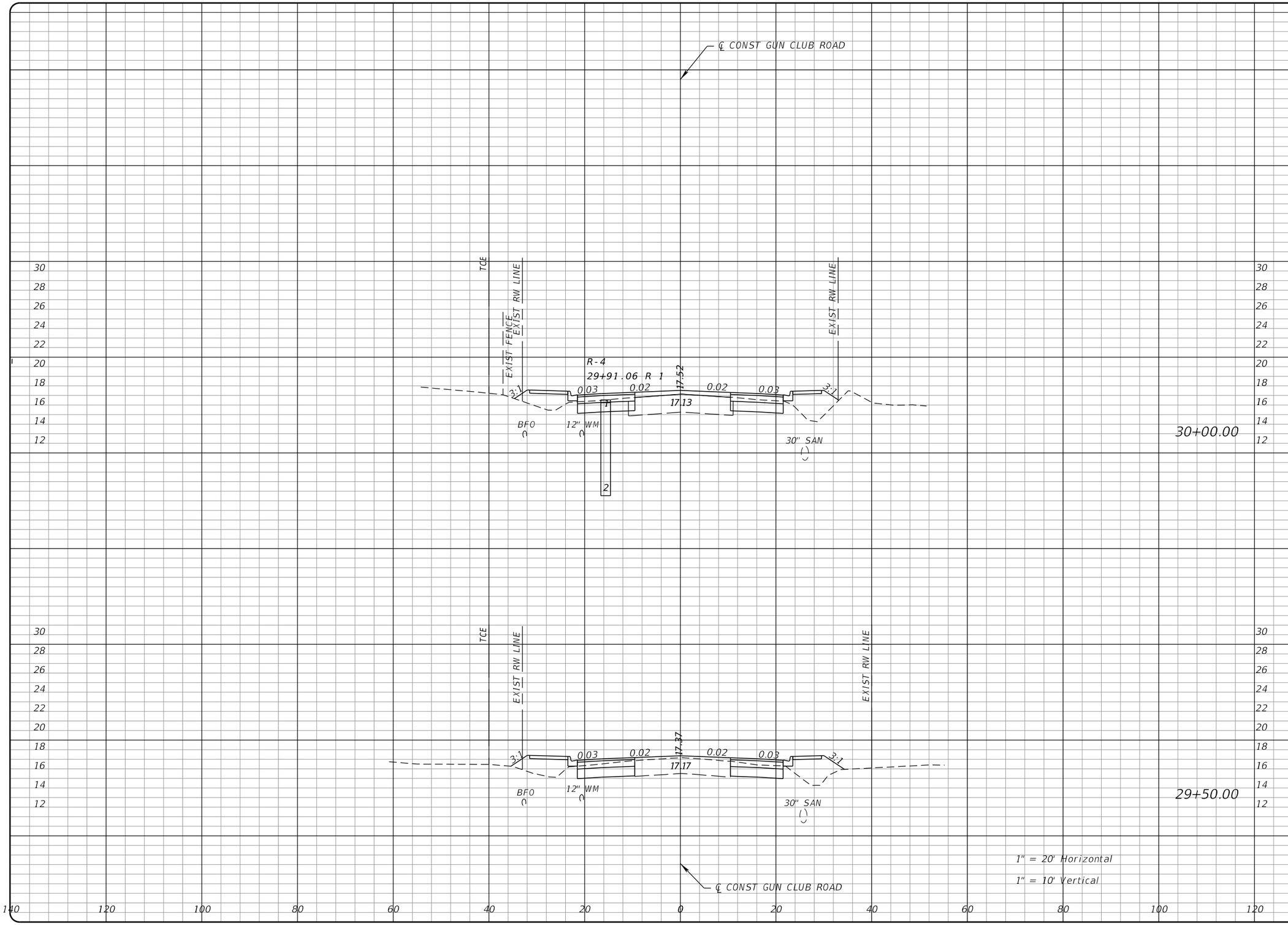
# GUN CLUB RD

FOREST ESTATES BLVD TO LWDD E-3 CANAL

## CROSS SECTIONS

SHEET: 33
OF: 54
PROJECT NO. 2018501

Istiak Ahmed 12/19/2019 5:42:51 PM




| Regular Exc. | | Embankment | |
|---|---|---|---|
| A | V | A | V |

S:\181301-02_Gun_Club_Rd\2018501\roadway\RDXSRD03.dgn


PROPEL

**PROPEL ENGINEERING, INC.**
6685 FOREST HILL BLVD., SUITE NO. 205
GREENACRES, FLORIDA 33413
FLORIDA BUSINESS CERT. NO. 31050
PHONE (561) 866-5730


Seal:
xx
P.E# x

| No. | Revisions | By | Date |
|---|---|---|---|
| | | | |

PALM BEACH COUNTY
ENGINEERING AND PUBLIC WORKS
ROADWAY PRODUCTION
P.O. BOX 21229, WEST PALM BEACH, FLORIDA

SCALE: H. 1"=20' V. 1"=10'
APPROVED: MA
DRAWN: IA
CHECKED: JJV
DATE: 11/25/19

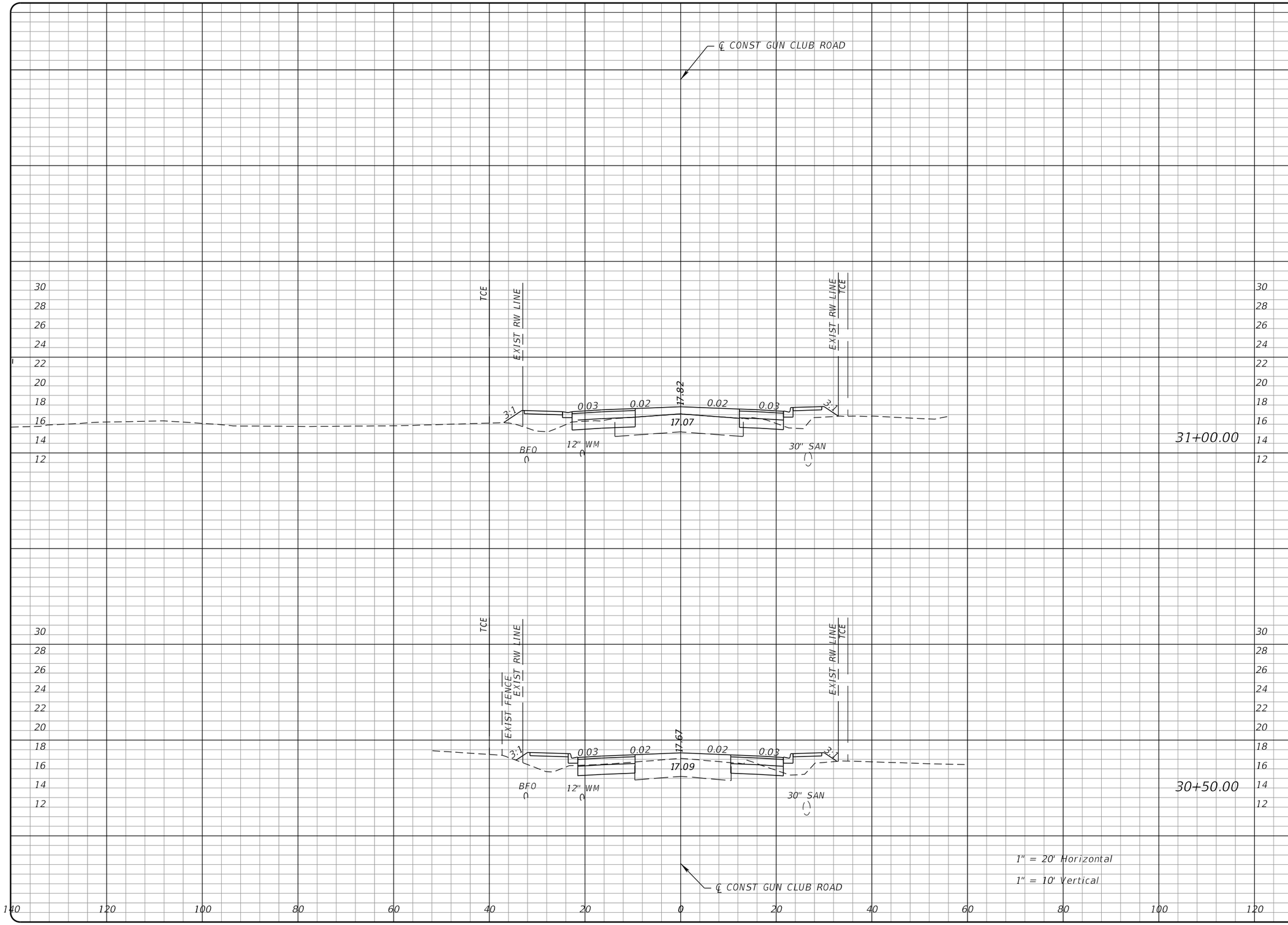
Istiak Ahmed 12/19/2019 5:42:52 PM

# GUN CLUB RD

FOREST ESTATES BLVD TO LWDD E-3 CANAL

## CROSS SECTIONS

SHEET: 34
OF: 54
PROJECT NO. 2018501




| Regular Exc. | | Embankment | |
|---|---|---|---|
| A | V | A | V |

S:\181301101-02_Gun_Club_Rd\2018501\roadway\RDXSRD03.dgn

**PROPEL ENGINEERING, INC.**
6685 FOREST HILL BLVD., SUITE NO. 205
GREENACRES, FLORIDA 33413
FLORIDA BUSINESS CERT. NO. 31050
PHONE (561) 866-5730

Seal:
xx
P.E# x

| No. | Revisions | By | Date |
|---|---|---|---|
| | | | |

PALM BEACH COUNTY
ENGINEERING AND PUBLIC WORKS
ROADWAY PRODUCTION
P.O. BOX 21229, WEST PALM BEACH, FLORIDA

SCALE: H. 1"=20' V. 1"=10'
APPROVED: MA
DRAWN: IA
CHECKED: JJV
DATE: 11/25/19

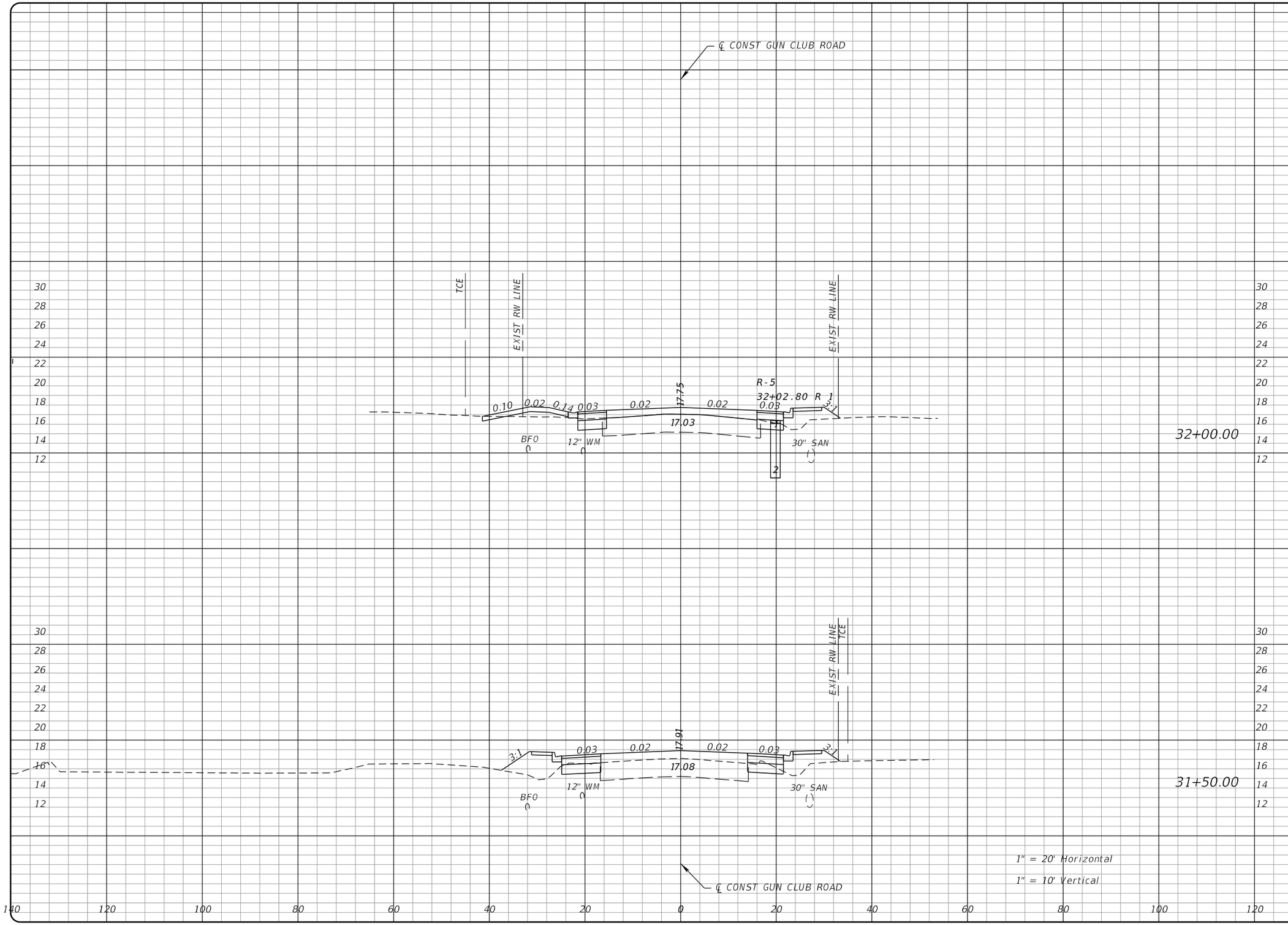
# GUN CLUB RD

FOREST ESTATES BLVD TO LWDD E-3 CANAL

## CROSS SECTIONS

SHEET: 35
OF: 54
PROJECT NO. 2018501

Istiak Ahmed 12/19/2019 5:42:52 PM




| Regular Exc. | | Embankment | |
|---|---|---|---|
| A | V | A | V |

S:\18130101-02_Gun_Club_Rd\2018501\roadway\RDXSRD03.dgn

**PROPEL ENGINEERING, INC.**
6685 FOREST HILL BLVD., SUITE NO. 205
GREENACRES, FLORIDA 33413
FLORIDA BUSINESS CERT. NO. 31050
PHONE (561) 866-5730

Seal:
xx
P.E# x

| No. | Revisions | By | Date |
|---|---|---|---|
| | | | |

PALM BEACH COUNTY
ENGINEERING AND PUBLIC WORKS
ROADWAY PRODUCTION
P.O. BOX 21229, WEST PALM BEACH, FLORIDA

SCALE: H. 1"=20' V. 1"=10'
APPROVED: MA
DRAWN: IA
CHECKED: JJV
DATE: 11/25/19

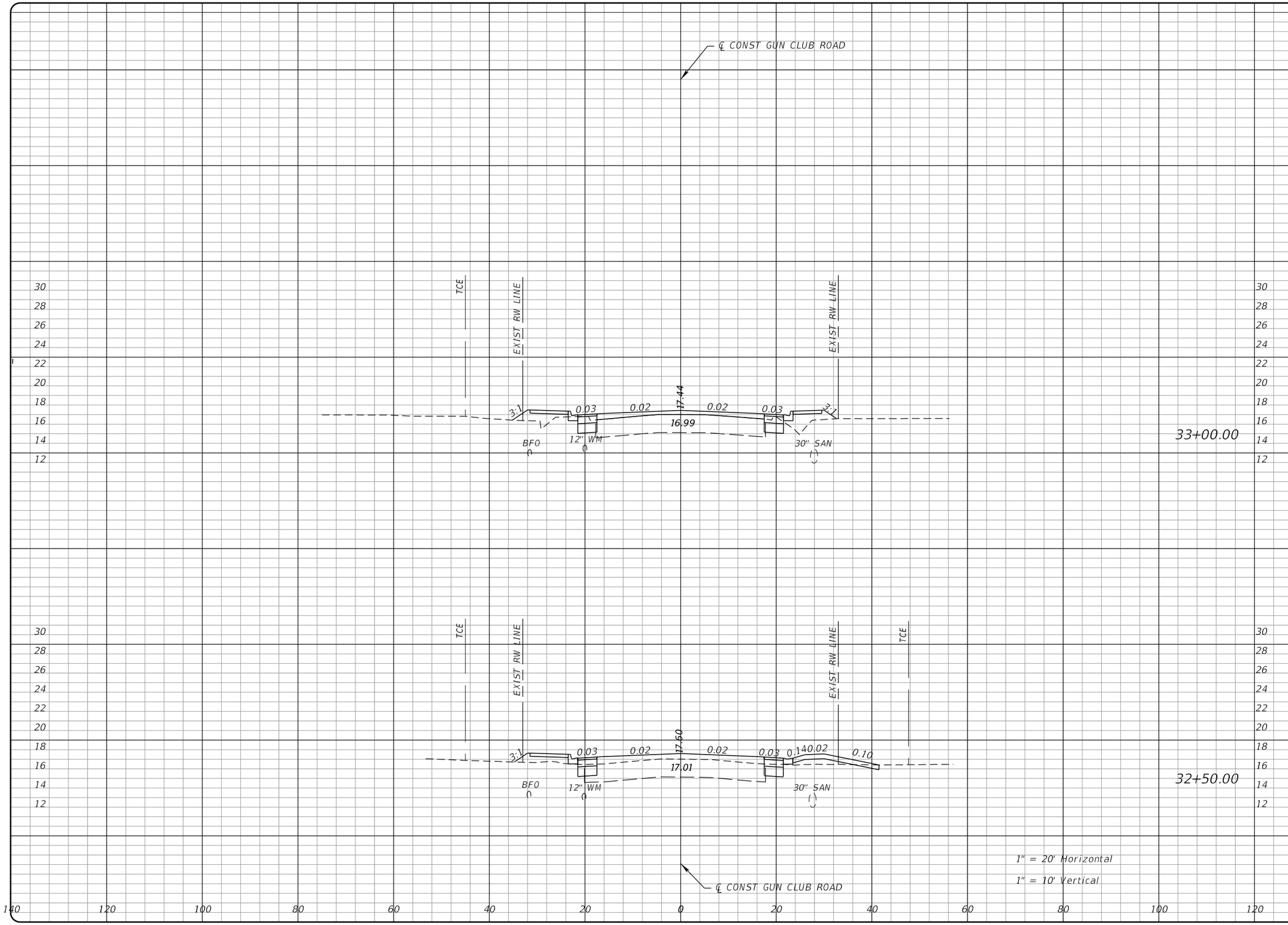
# GUN CLUB RD

FOREST ESTATES BLVD TO LWDD E-3 CANAL

## CROSS SECTIONS

SHEET: 36
OF: 54
PROJECT NO. 2018501

Istiak Ahmed 12/19/2019 5:42:52 PM




| Regular Exc. | | Embankment | |
|---|---|---|---|
| A | V | A | V |

S:\181301101-02_Gun_Club_Rd\2018501\roadway\RDXSRD03.dgn

**PROPEL ENGINEERING, INC.**
6685 FOREST HILL BLVD., SUITE NO. 205
GREENACRES, FLORIDA 33413
FLORIDA BUSINESS CERT. NO. 31050
PHONE (561) 866-5730

Seal:
xx
P.E# x

| No. | Revisions | By | Date |
|---|---|---|---|
| | | | |

PALM BEACH COUNTY
ENGINEERING AND PUBLIC WORKS
ROADWAY PRODUCTION
P.O. BOX 21229, WEST PALM BEACH, FLORIDA

SCALE: H. 1"=20' V. 1"=10'
APPROVED: MA
DRAWN: IA
CHECKED: JJV
DATE: 11/25/19

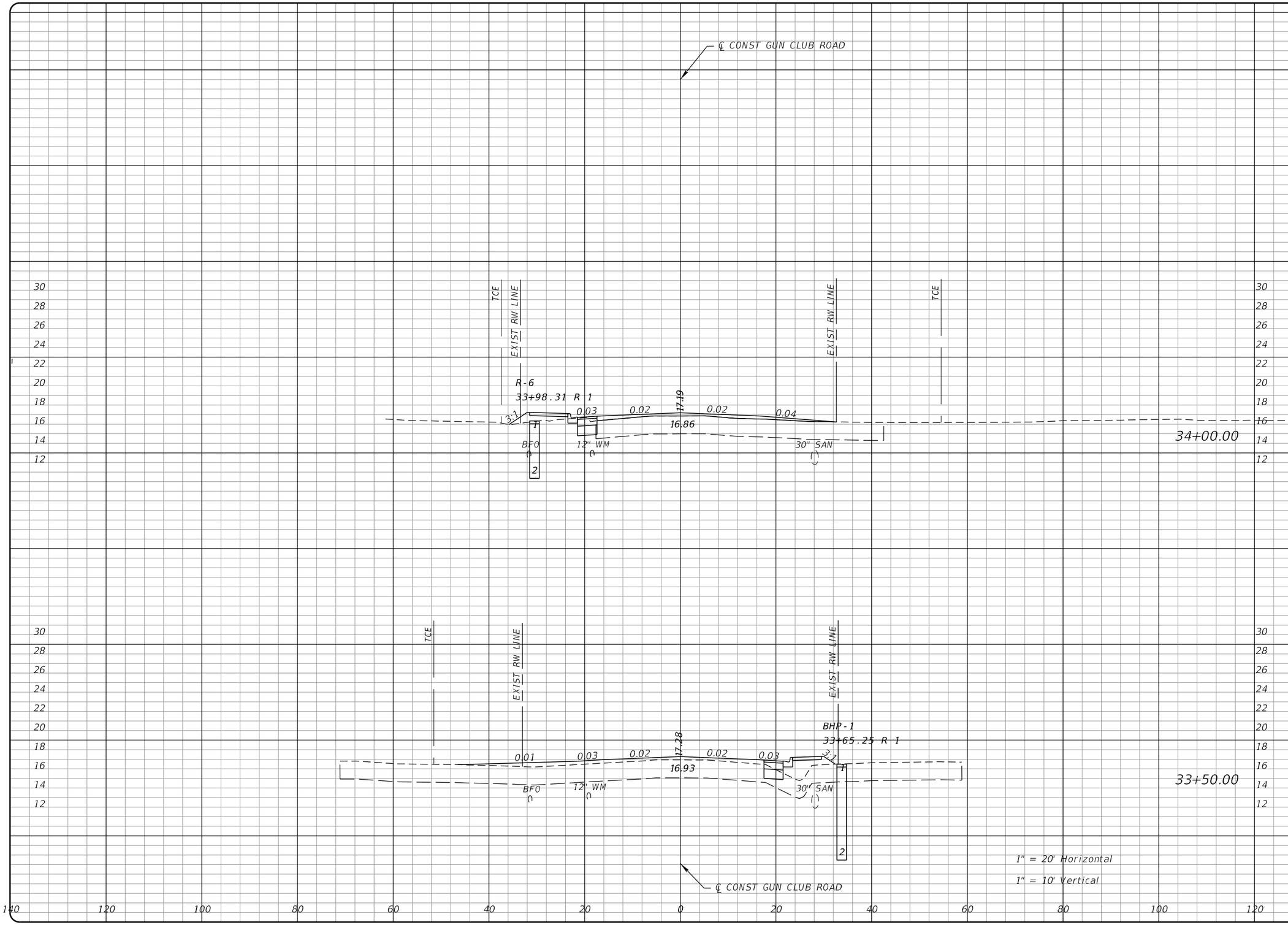
# GUN CLUB RD

FOREST ESTATES BLVD TO LWDD E-3 CANAL

## CROSS SECTIONS

SHEET: 37
OF: 54
PROJECT NO. 2018501

Istiak Ahmed 12/19/2019 5:42:52 PM




| Regular Exc. | | Embankment | |
|---|---|---|---|
| A | V | A | V |

S:\181301-02_Gun_Club_Rd\2018501\roadway\RDXSRD03.dgn

**PROPEL ENGINEERING, INC.**
6685 FOREST HILL BLVD., SUITE NO. 205
GREENACRES, FLORIDA 33413
FLORIDA BUSINESS CERT. NO. 31050
PHONE (561) 866-5730

Seal:
xx
P.E# x

| No. | Revisions | By | Date |
|---|---|---|---|
| | | | |

PALM BEACH COUNTY
ENGINEERING AND PUBLIC WORKS
ROADWAY PRODUCTION
P.O. BOX 21229, WEST PALM BEACH, FLORIDA

SCALE: H. 1"=20' V. 1"=10'
APPROVED: MA
DRAWN: IA
CHECKED: JJV
DATE: 11/25/19

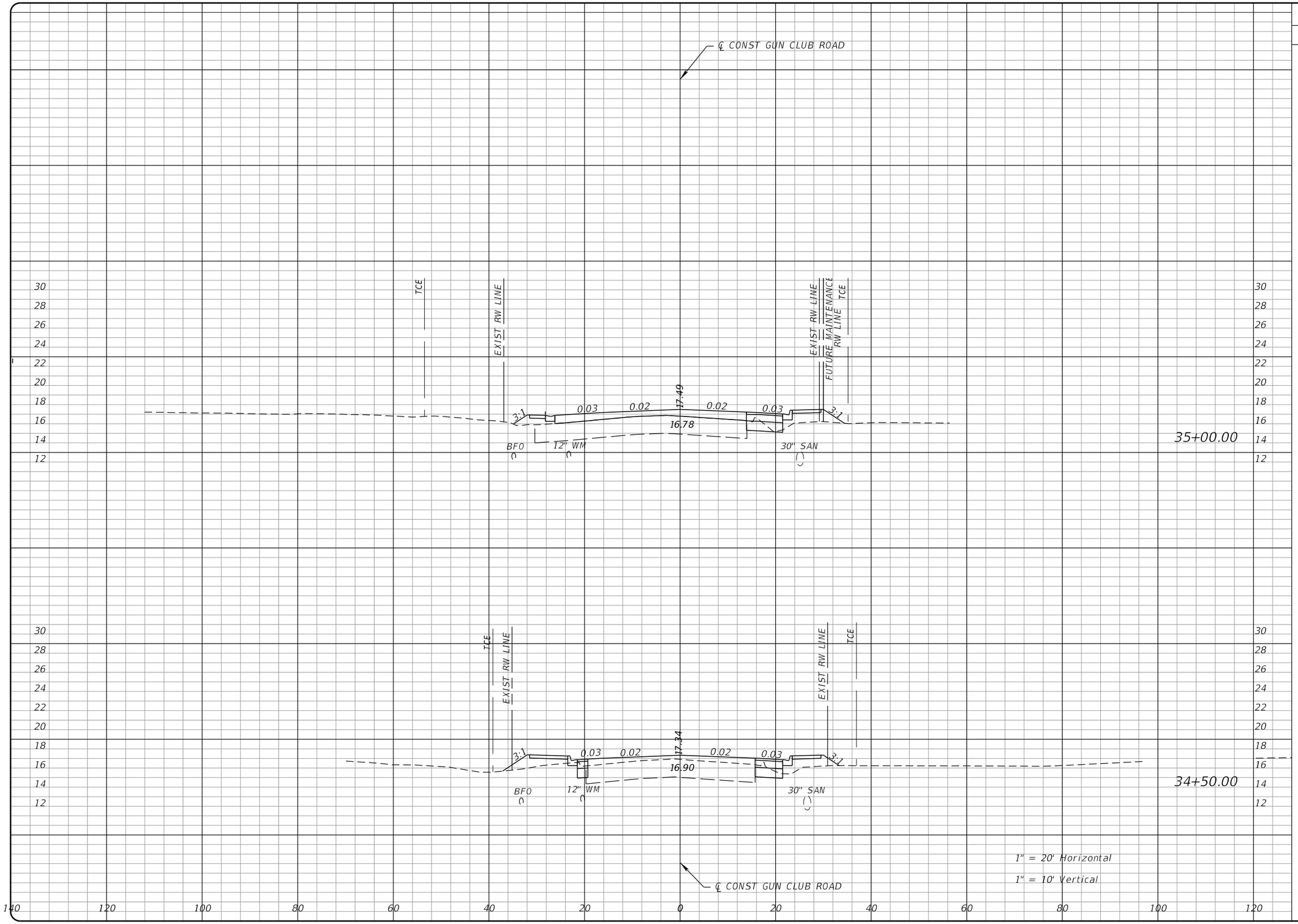
Istiak Ahmed 12/19/2019 5:42:52 PM

# GUN CLUB RD

FOREST ESTATES BLVD TO LWDD E-3 CANAL

## CROSS SECTIONS

SHEET: 38
OF: 54
PROJECT NO. 2018501




| Regular Exc. | | Embankment | |
|---|---|---|---|
| A | V | A | V |

S:\181301-02_Gun_Club_Rd\2018501\roadway\RDXSRD03.dgn

**PROPEL ENGINEERING, INC.**
6685 FOREST HILL BLVD., SUITE NO. 205
GREENACRES, FLORIDA 33413
FLORIDA BUSINESS CERT. NO. 31050
PHONE (561) 866-5730

Seal:
xx
P.E# x

| No. | Revisions | By | Date |
|---|---|---|---|
| | | | |

PALM BEACH COUNTY
ENGINEERING AND PUBLIC WORKS
ROADWAY PRODUCTION
P.O. BOX 21229, WEST PALM BEACH, FLORIDA

SCALE: H. 1"=20' V. 1"=10'
APPROVED: MA
DRAWN: IA
CHECKED: JJV
DATE: 11/25/19

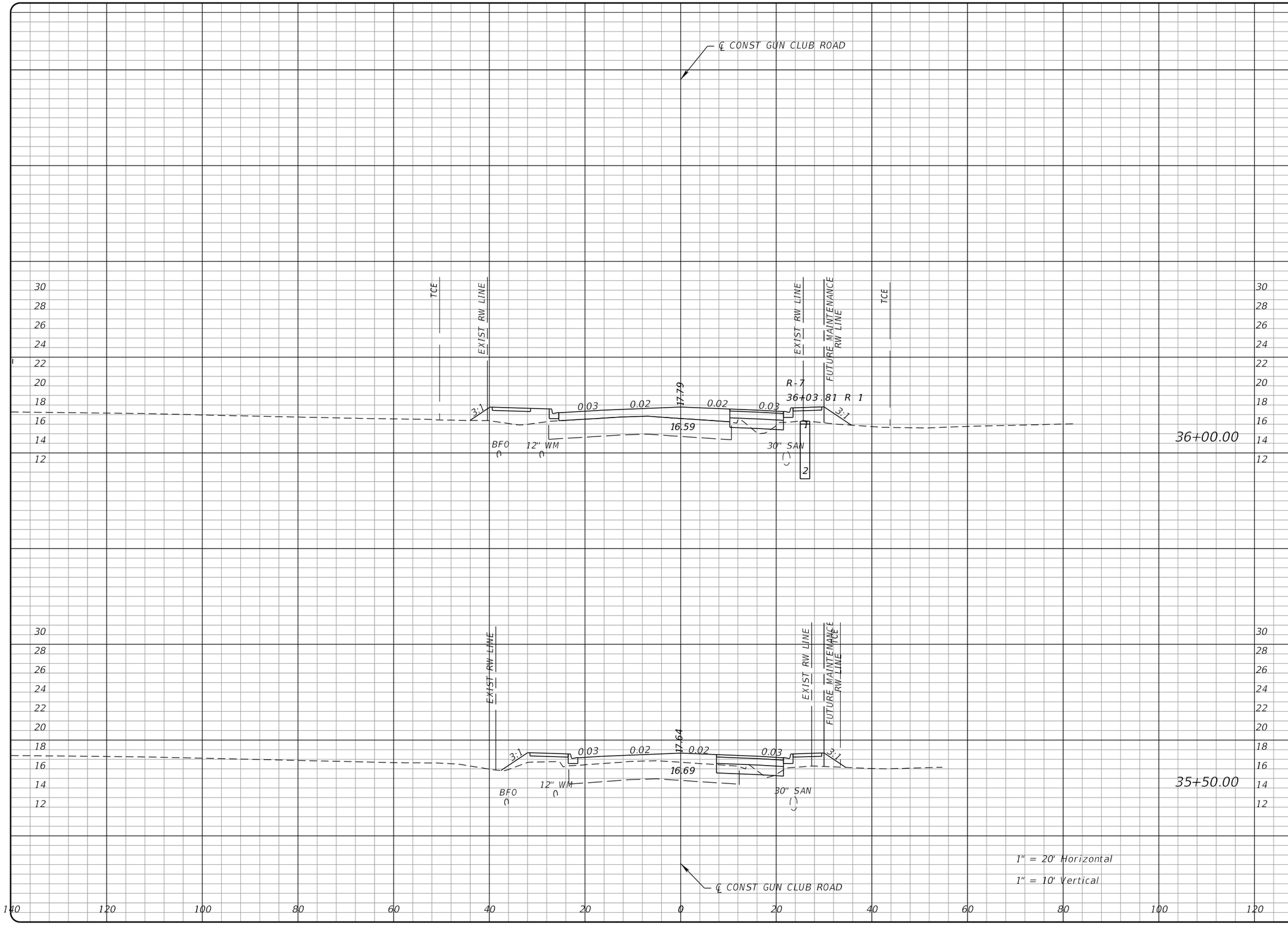
# GUN CLUB RD

FOREST ESTATES BLVD TO LWDD E-3 CANAL

## CROSS SECTIONS

SHEET: 39
OF: 54
PROJECT NO. 2018501

Istiak Ahmed 12/19/2019 5:42:53 PM




| Regular Exc. | | Embankment | |
|---|---|---|---|
| A | V | A | V |

S:\181301101-02_Gun_Club_Rd\2018501\roadway\RDXSRD03.dgn

**PROPEL ENGINEERING, INC.**
6685 FOREST HILL BLVD., SUITE NO. 205
GREENACRES, FLORIDA 33413
FLORIDA BUSINESS CERT. NO. 31050
PHONE (561) 866-5730

Seal:
xx
P.E# x

| No. | Revisions | By | Date |
|---|---|---|---|
| | | | |

PALM BEACH COUNTY
ENGINEERING AND PUBLIC WORKS
ROADWAY PRODUCTION
P.O. BOX 21229, WEST PALM BEACH, FLORIDA

SCALE: H. 1"=20' V. 1"=10'
APPROVED: MA
DRAWN: IA
CHECKED: JJV
DATE: 11/25/19

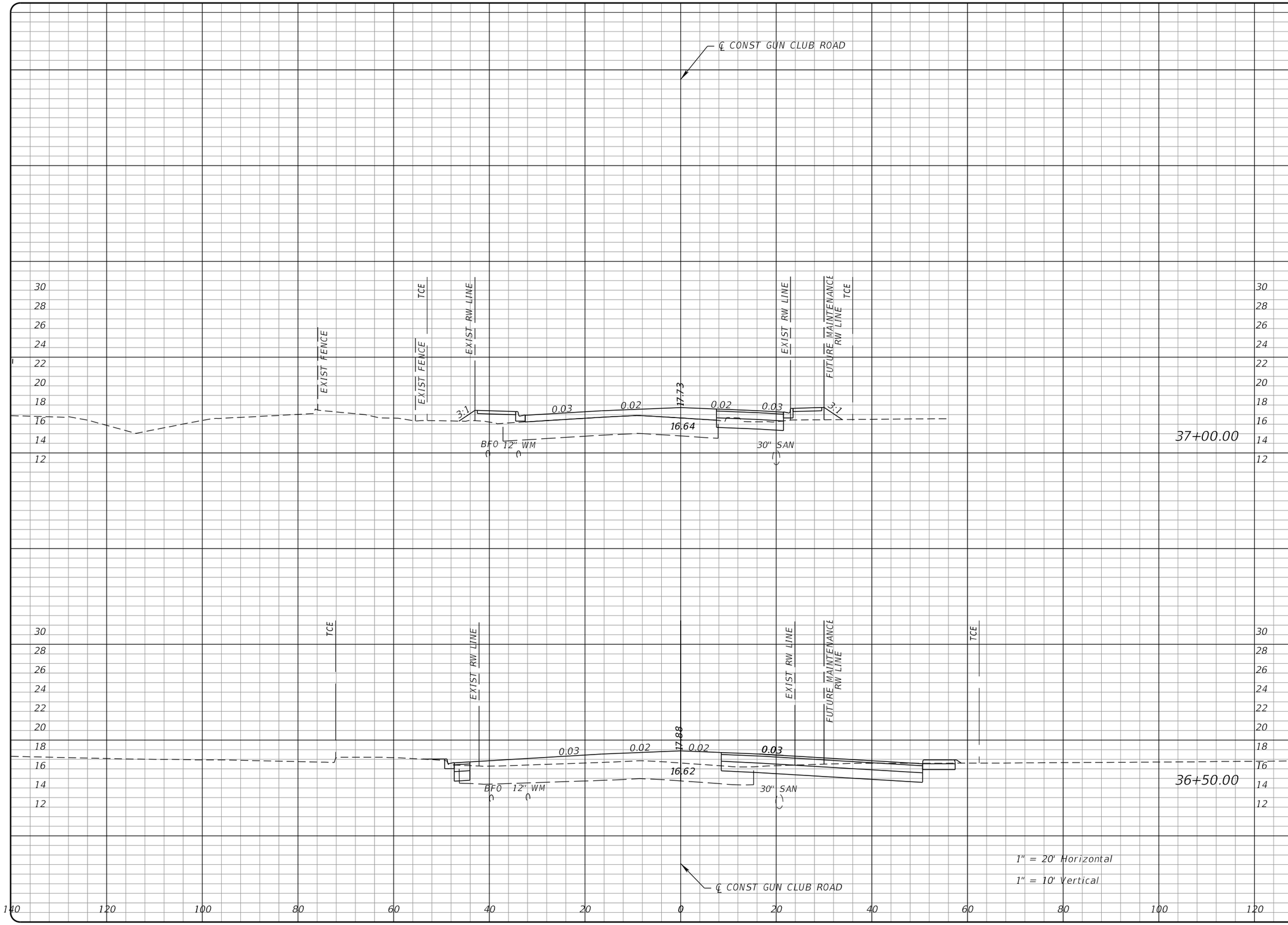
# GUN CLUB RD

FOREST ESTATES BLVD TO LWDD E-3 CANAL

## CROSS SECTIONS

SHEET: 40
OF: 54
PROJECT NO. 2018501

Istiak Ahmed 12/19/2019 5:42:53 PM




| Regular Exc. | | Embankment | |
|---|---|---|---|
| A | V | A | V |

S:\18130101-02_Gun_Club_Rd\2018501\roadway\RDXSRD03.dgn

**PROPEL ENGINEERING, INC.**
6685 FOREST HILL BLVD., SUITE NO. 205
GREENACRES, FLORIDA 33413
FLORIDA BUSINESS CERT. NO. 31050
PHONE (561) 866-5730

Seal:
xx
P.E# x

| No. | Revisions | By | Date |
|---|---|---|---|
| | | | |

PALM BEACH COUNTY
ENGINEERING AND PUBLIC WORKS
ROADWAY PRODUCTION
P.O. BOX 21229, WEST PALM BEACH, FLORIDA

SCALE: H. 1"=20' V. 1"=10'
APPROVED: MA
DRAWN: IA
CHECKED: JJV
DATE: 11/25/19

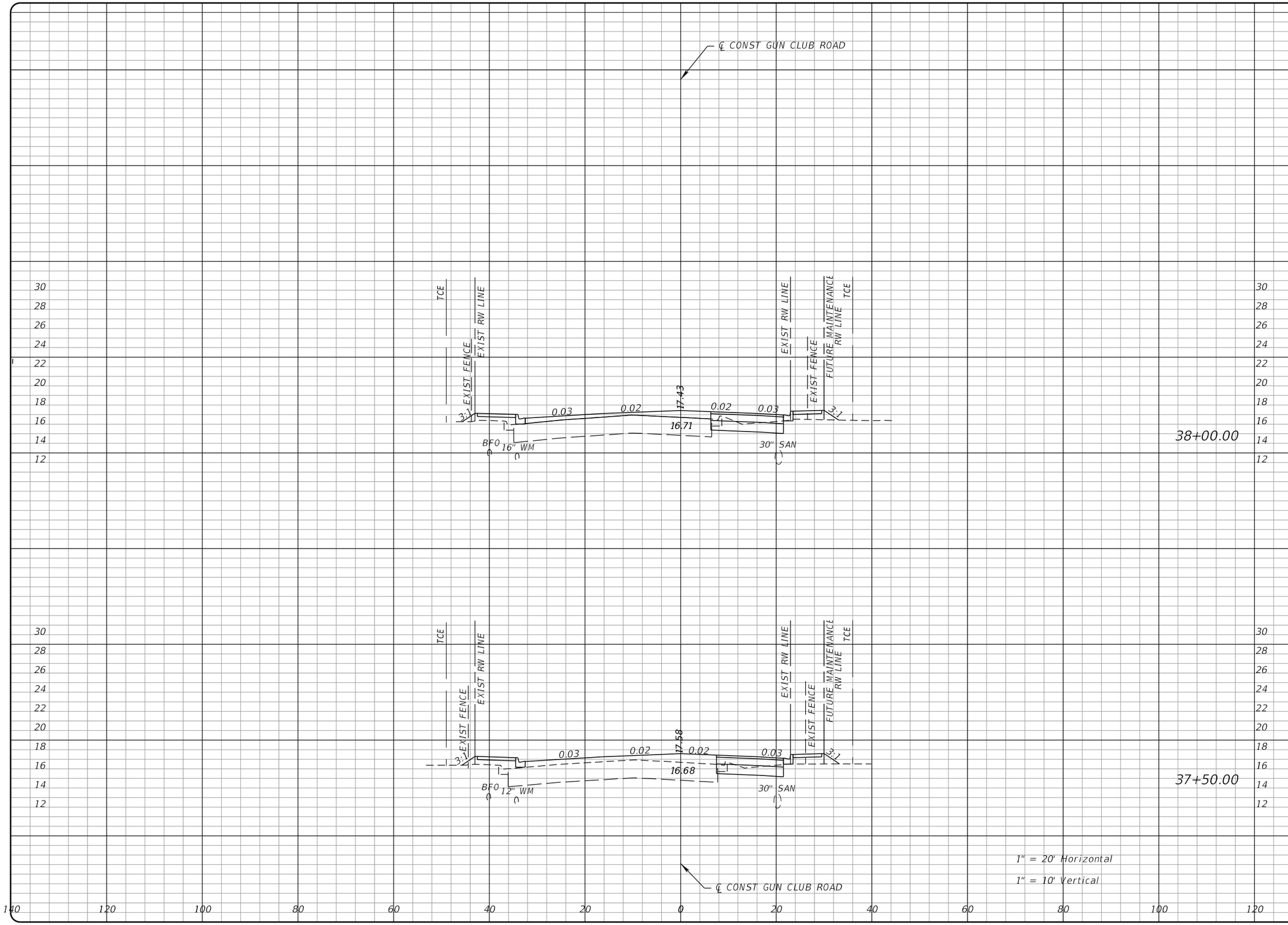
# GUN CLUB RD

FOREST ESTATES BLVD TO LWDD E-3 CANAL

## CROSS SECTIONS

SHEET: 41
OF: 54
PROJECT NO. 2018501

Istiak Ahmed 12/19/2019 5:42:53 PM




| Regular Exc. | | Embankment | |
|---|---|---|---|
| A | V | A | V |

S:\18130101-02_Gun_Club_Rd\2018501\roadway\RDXSRD03.dgn

**PROPEL ENGINEERING, INC.**
6685 FOREST HILL BLVD., SUITE NO. 205
GREENACRES, FLORIDA 33413
FLORIDA BUSINESS CERT. NO. 31050
PHONE (561) 866-5730

Seal:
xx
P.E# x

| No. | Revisions | By | Date |
|---|---|---|---|
| | | | |

PALM BEACH COUNTY
ENGINEERING AND PUBLIC WORKS
ROADWAY PRODUCTION
P.O. BOX 21229, WEST PALM BEACH, FLORIDA

SCALE: H. 1"=20' V. 1"=10'
APPROVED: MA
DRAWN: IA
CHECKED: JJV
DATE: 11/25/19

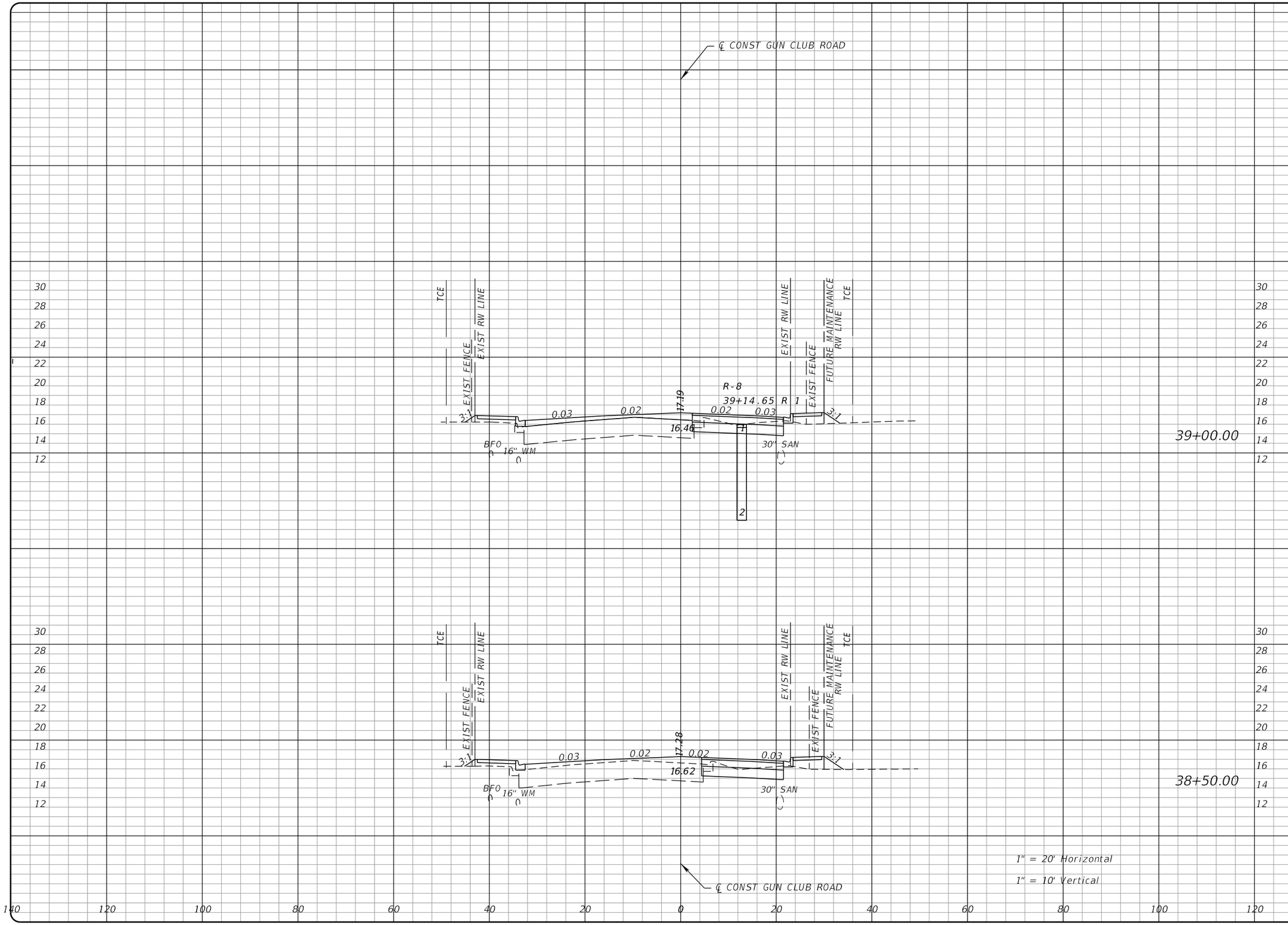
Istiak Ahmed 12/19/2019 5:42:53 PM

# GUN CLUB RD

FOREST ESTATES BLVD TO LWDD E-3 CANAL

## CROSS SECTIONS

SHEET: 42
OF: 54
PROJECT NO. 2018501




| Regular Exc. | | Embankment | |
|---|---|---|---|
| A | V | A | V |

S:\18130101-02_Gun_Club_Rd\2018501\roadway\RDXSRD03.dgn

**PROPEL ENGINEERING, INC.**
6685 FOREST HILL BLVD., SUITE NO. 205
GREENACRES, FLORIDA 33413
FLORIDA BUSINESS CERT. NO. 31050
PHONE (561) 866-5730

Seal:
xx
P.E# x

| No. | Revisions | By | Date |
|---|---|---|---|
| | | | |

PALM BEACH COUNTY
ENGINEERING AND PUBLIC WORKS
ROADWAY PRODUCTION
P.O. BOX 21229, WEST PALM BEACH, FLORIDA

SCALE: H. 1"=20' V. 1"=10'
APPROVED: MA
DRAWN: IA
CHECKED: JJV
DATE: 11/25/19

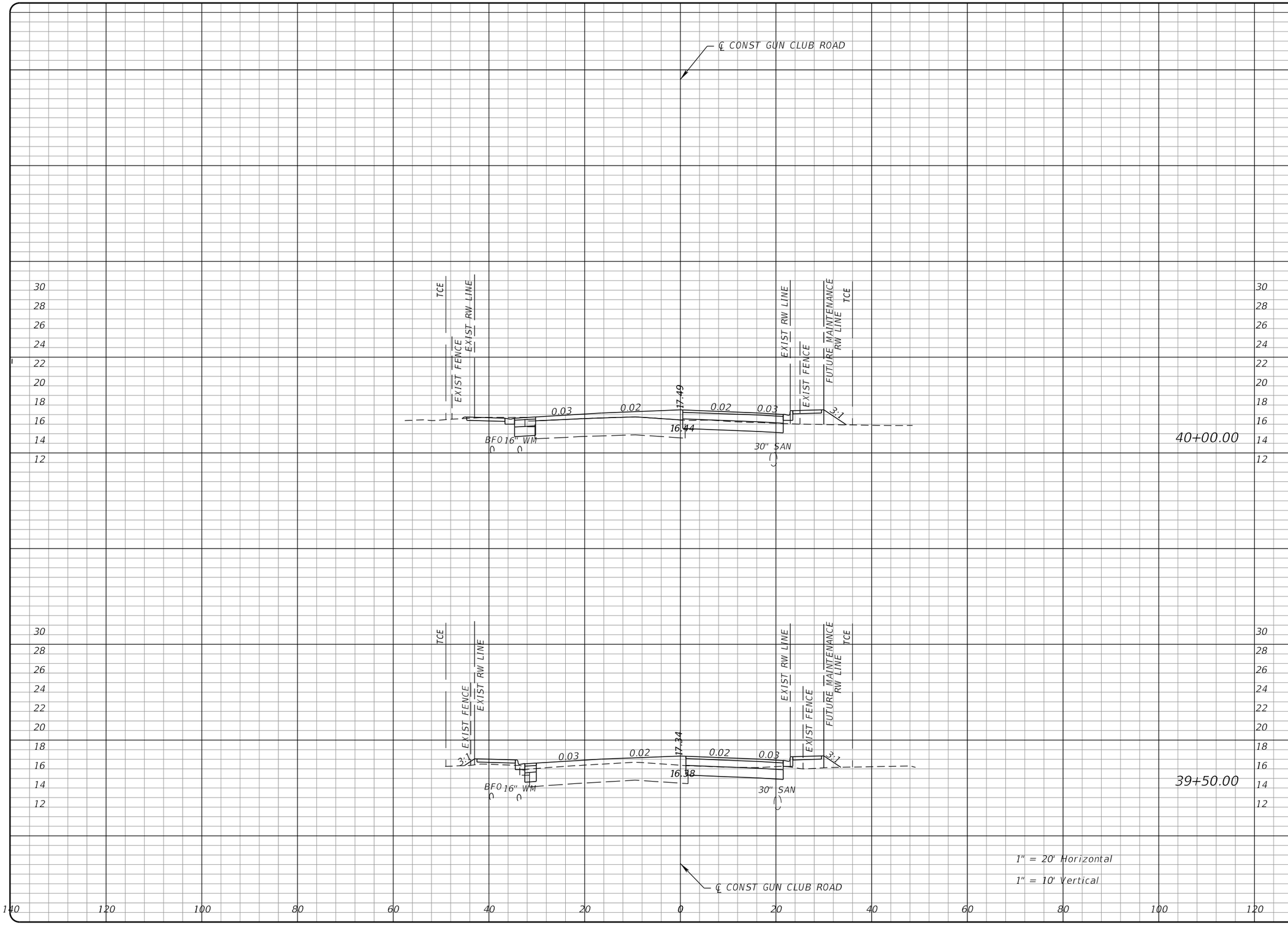
# GUN CLUB RD

FOREST ESTATES BLVD TO LWDD E-3 CANAL

## CROSS SECTIONS

SHEET: 43
OF: 54
PROJECT NO. 2018501

Istiak Ahmed 12/19/2019 5:42:54 PM




| Regular Exc. | | Embankment | |
|---|---|---|---|
| A | V | A | V |

S:\181301-02_Gun_Club_Rd\2018501\roadway\RDXSRD03.dgn

**PROPEL ENGINEERING, INC.**
6685 FOREST HILL BLVD., SUITE NO. 205
GREENACRES, FLORIDA 33413
FLORIDA BUSINESS CERT. NO. 31050
PHONE (561) 866-5730

Seal:
xx
P.E# x

| No. | Revisions | By | Date |
|---|---|---|---|
| | | | |

PALM BEACH COUNTY
ENGINEERING AND PUBLIC WORKS
ROADWAY PRODUCTION
P.O. BOX 21229, WEST PALM BEACH, FLORIDA

SCALE: H. 1"=20' V. 1"=10'
APPROVED: MA
DRAWN: IA
CHECKED: JJV
DATE: 11/25/19

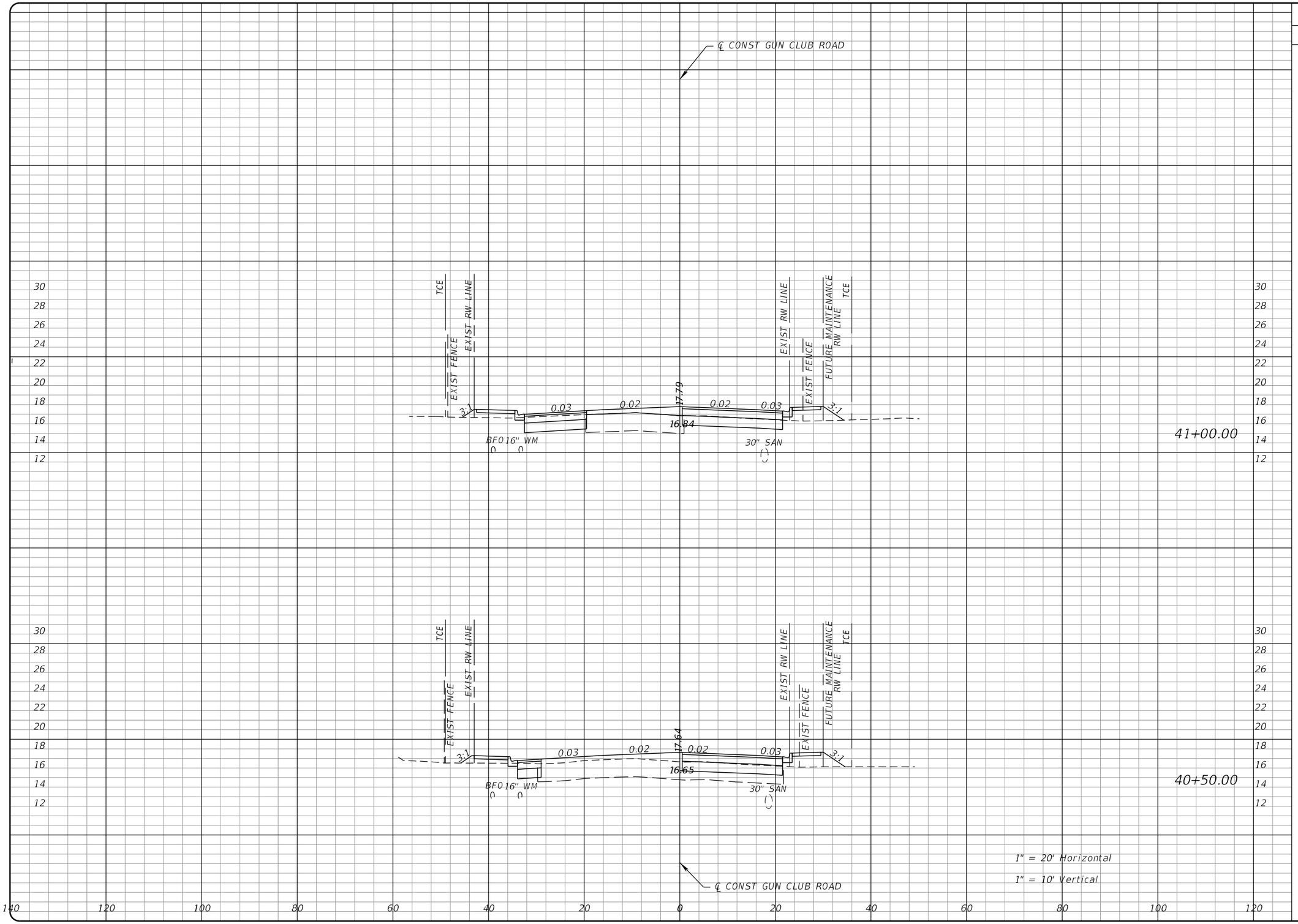
Istiak Ahmed 12/19/2019 5:42:54 PM

# GUN CLUB RD

FOREST ESTATES BLVD TO LWDD E-3 CANAL

CROSS SECTIONS

SHEET: 44
OF: 54
PROJECT NO. 2018501




| Regular Exc. | | Embankment | |
|---|---|---|---|
| A | V | A | V |

S:\18130101-02_Gun_Club_Rd\2018501\roadway\RDXSRD03.dgn

**PROPEL ENGINEERING, INC.**
6685 FOREST HILL BLVD., SUITE NO. 205
GREENACRES, FLORIDA 33413
FLORIDA BUSINESS CERT. NO. 31050
PHONE (561) 866-5730

Seal:
xx
P.E# x

| No. | Revisions | By | Date |
|---|---|---|---|
| | | | |

PALM BEACH COUNTY
ENGINEERING AND PUBLIC WORKS
ROADWAY PRODUCTION
P.O. BOX 21229, WEST PALM BEACH, FLORIDA

SCALE: H. 1"=20' V. 1"=10'
APPROVED: MA
DRAWN: IA
CHECKED: JJV
DATE: 11/25/19

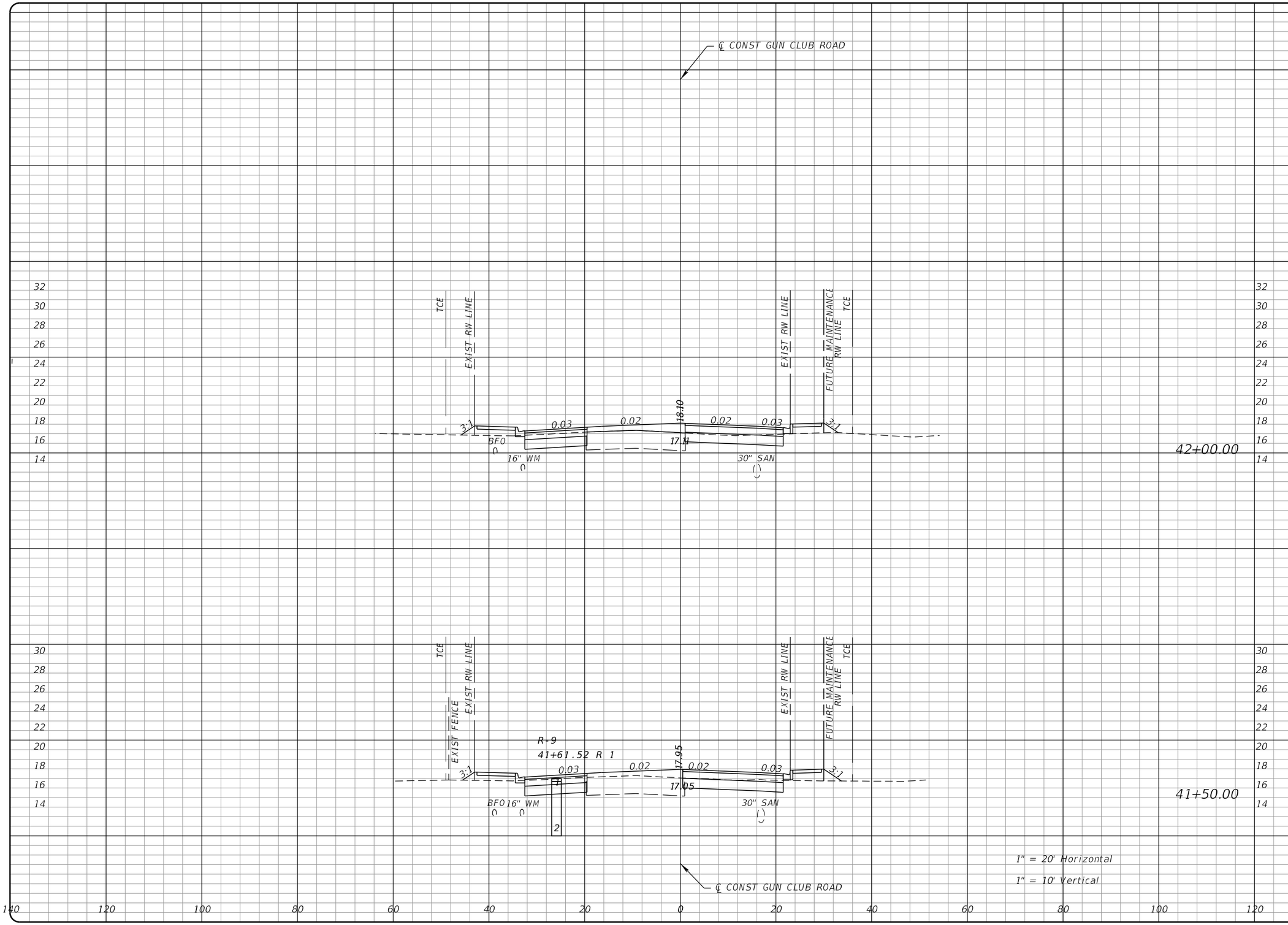
# GUN CLUB RD

FOREST ESTATES BLVD TO LWDD E-3 CANAL

## CROSS SECTIONS

SHEET: 45
OF: 54
PROJECT NO. 2018501

Istiak Ahmed 12/19/2019 5:42:54 PM




| Regular Exc. | | Embankment | |
|---|---|---|---|
| A | V | A | V |

S:\181301-02_Gun_Club_Rd\2018501\roadway\RDXSRD03.dgn

**PROPEL ENGINEERING, INC.**
6685 FOREST HILL BLVD., SUITE NO. 205
GREENACRES, FLORIDA 33413
FLORIDA BUSINESS CERT. NO. 31050
PHONE (561) 866-5730

Seal:
xx
P.E# x

| No. | Revisions | By | Date |
|---|---|---|---|
| | | | |

PALM BEACH COUNTY
ENGINEERING AND PUBLIC WORKS
ROADWAY PRODUCTION
P.O. BOX 21229, WEST PALM BEACH, FLORIDA

SCALE: H. 1"=20' V. 1"=10'
APPROVED: MA
DRAWN: IA
CHECKED: JJV
DATE: 11/25/19

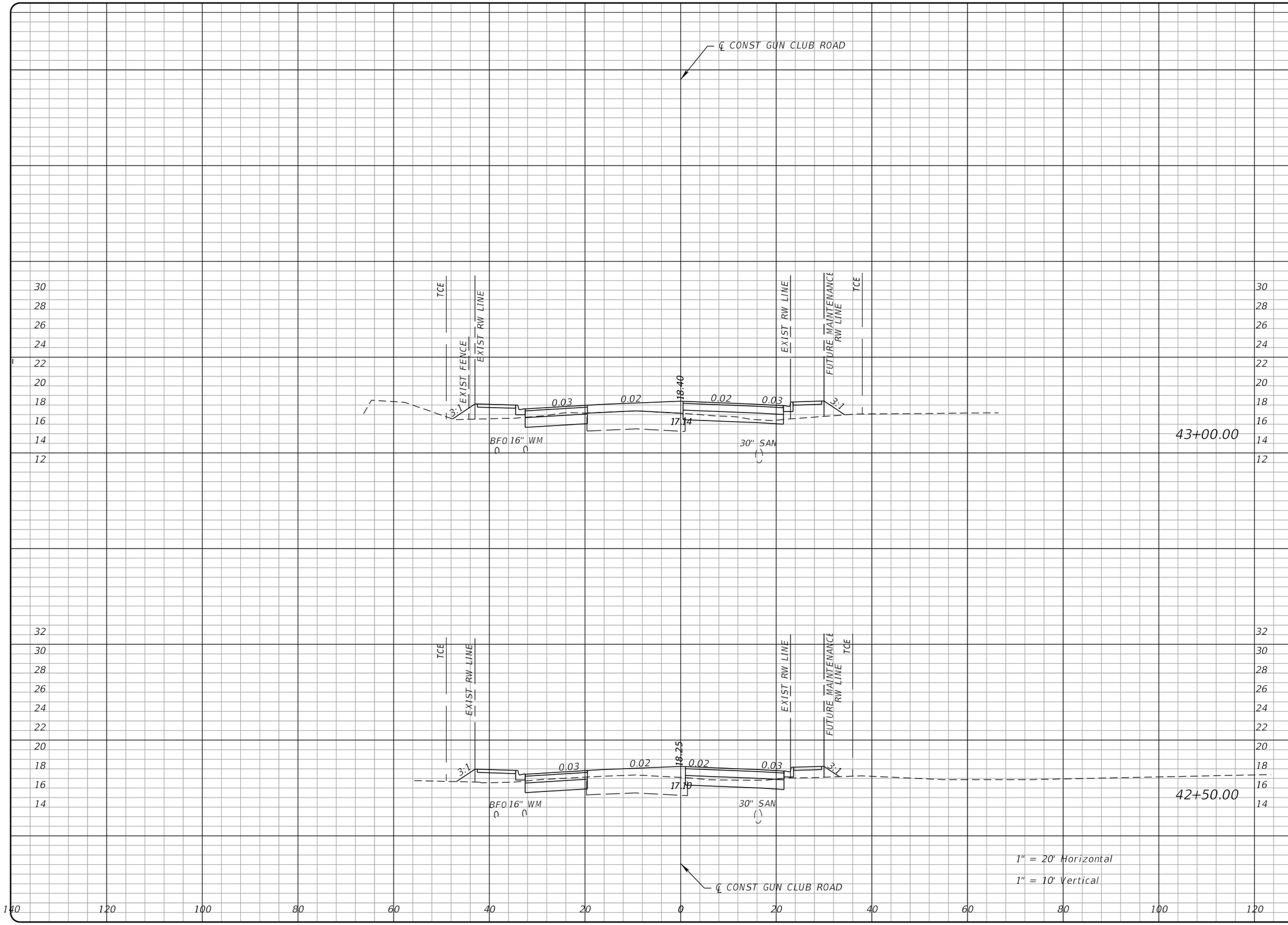
Istiak Ahmed 12/19/2019 5:42:54 PM

# GUN CLUB RD

FOREST ESTATES BLVD TO LWDD E-3 CANAL

## CROSS SECTIONS

SHEET: 46
OF: 54
PROJECT NO. 2018501




| Regular Exc. | | Embankment | |
|---|---|---|---|
| A | V | A | V |

S:\18130101-02_Gun_Club_Rd\2018501\roadway\RDXSRD03.dgn

**PROPEL ENGINEERING, INC.**
6685 FOREST HILL BLVD., SUITE NO. 205
GREENACRES, FLORIDA 33413
FLORIDA BUSINESS CERT. NO. 31050
PHONE (561) 866-5730

Seal:
xx
P.E# x

| No. | Revisions | By | Date |
|---|---|---|---|
| | | | |

PALM BEACH COUNTY
ENGINEERING AND PUBLIC WORKS
ROADWAY PRODUCTION
P.O. BOX 21229, WEST PALM BEACH, FLORIDA

SCALE: H. 1"=20' V. 1"=10'
APPROVED: MA
DRAWN: IA
CHECKED: JJV
DATE: 11/25/19

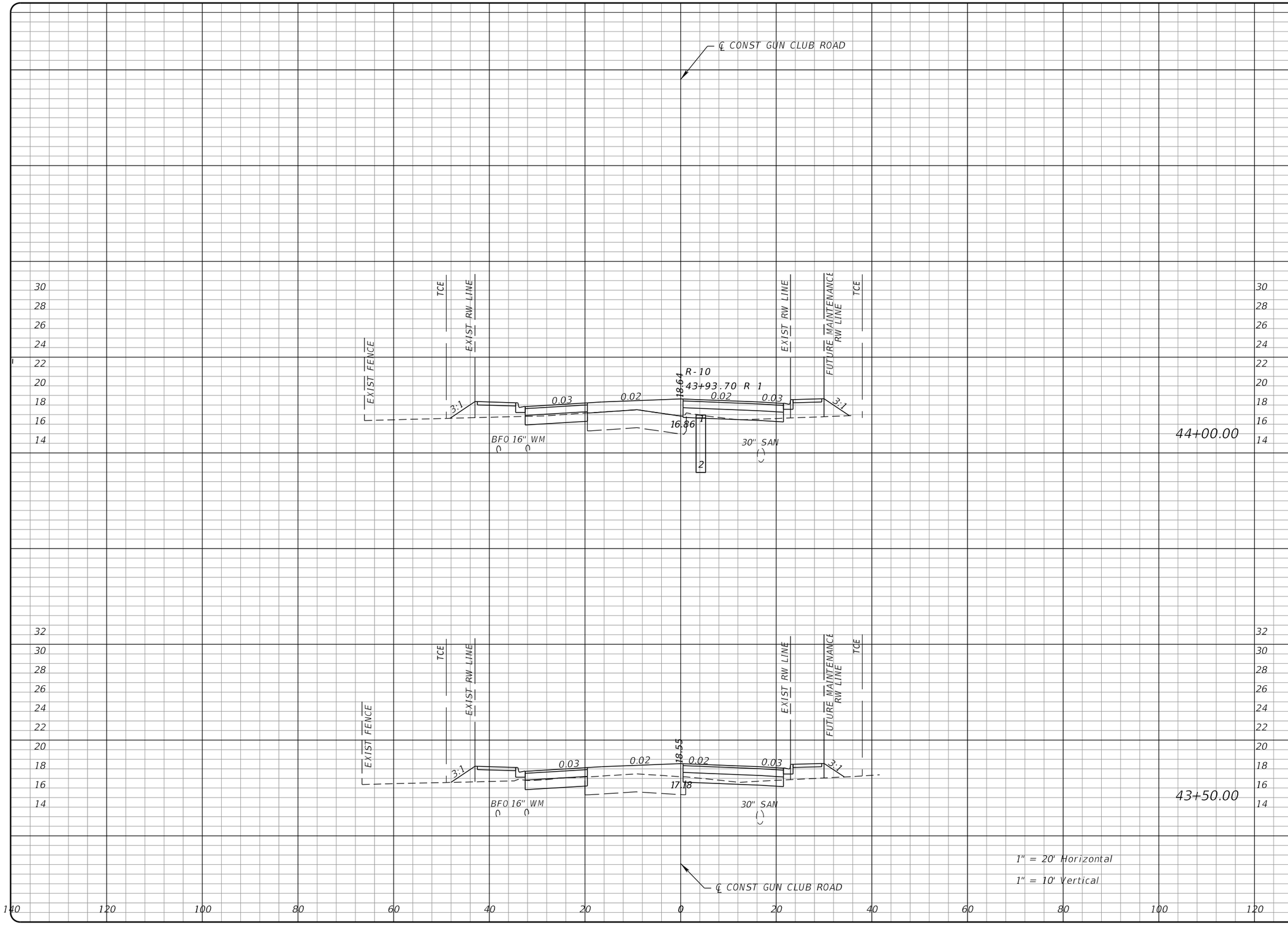
Istiak Ahmed 12/19/2019 5:42:55 PM

# GUN CLUB RD

FOREST ESTATES BLVD TO LWDD E-3 CANAL

## CROSS SECTIONS

SHEET: 47
OF: 54
PROJECT NO. 2018501




| Regular Exc. | | Embankment | |
|---|---|---|---|
| A | V | A | V |

S:\18130101-02_Gun_Club_Rd\2018501\roadway\RDXSRD03.dgn

**PROPEL ENGINEERING, INC.**
6685 FOREST HILL BLVD., SUITE NO. 205
GREENACRES, FLORIDA 33413
FLORIDA BUSINESS CERT. NO. 31050
PHONE (561) 866-5730

Seal:
xx
P.E# x

| No. | Revisions | By | Date |
|---|---|---|---|
| | | | |

PALM BEACH COUNTY
ENGINEERING AND PUBLIC WORKS
ROADWAY PRODUCTION
P.O. BOX 21229, WEST PALM BEACH, FLORIDA

SCALE: H. 1"=20' V. 1"=10'
APPROVED: MA
DRAWN: IA
CHECKED: JJV
DATE: 11/25/19

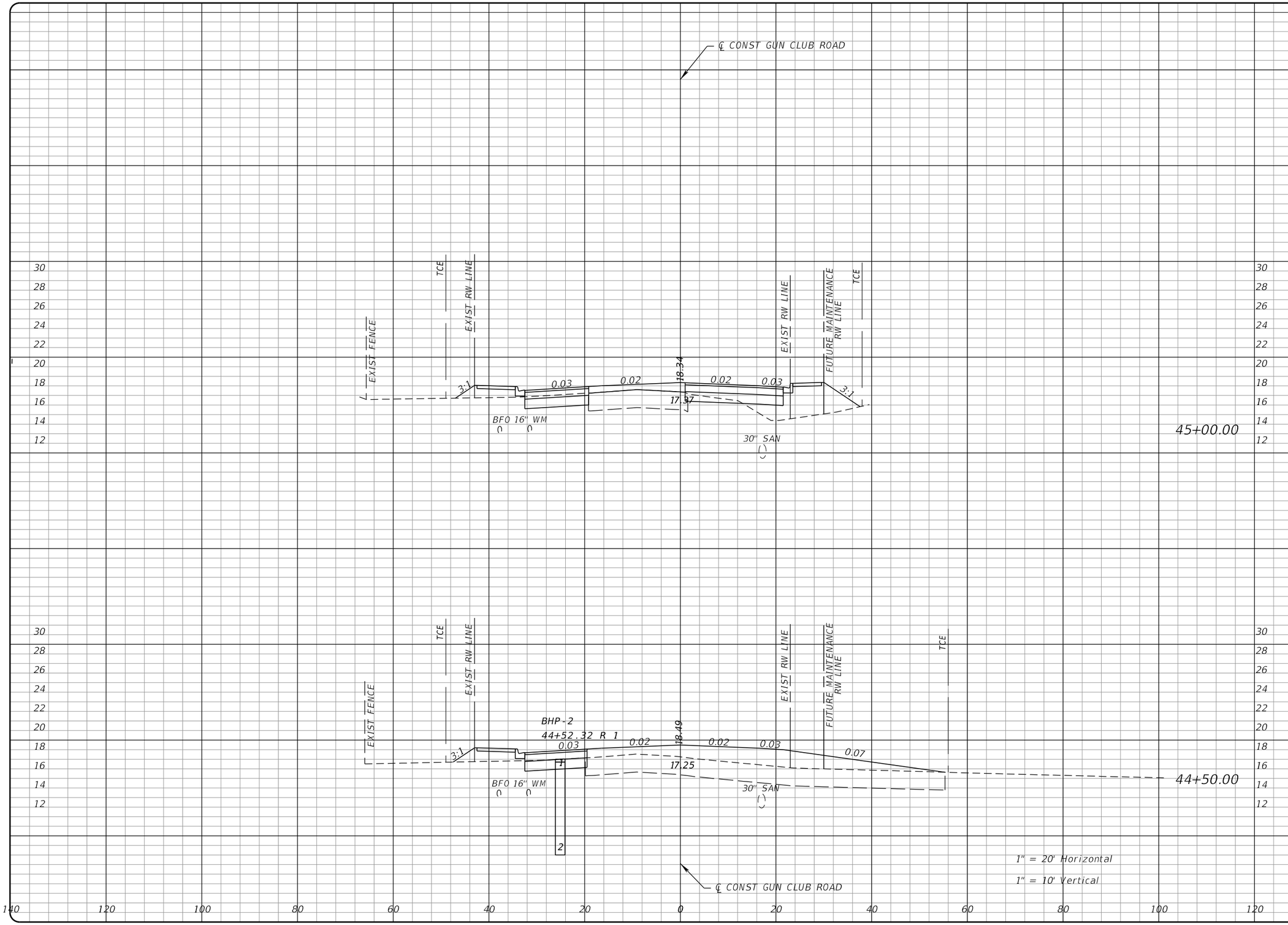
Istiak Ahmed 12/19/2019 5:42:55 PM

# GUN CLUB RD

FOREST ESTATES BLVD TO LWDD E-3 CANAL

## CROSS SECTIONS

SHEET: 48
OF: 54
PROJECT NO. 2018501




| Regular Exc. | | Embankment | |
|---|---|---|---|
| A | V | A | V |

S:\181301-02_Gun_Club_Rd\2018501\roadway\RDXSRD03.dgn

**PROPEL ENGINEERING, INC.**
6685 FOREST HILL BLVD., SUITE NO. 205
GREENACRES, FLORIDA 33413
FLORIDA BUSINESS CERT. NO. 31050
PHONE (561) 866-5730

Seal:
xx
P.E# x

| No. | Revisions | By | Date |
|---|---|---|---|
| | | | |

PALM BEACH COUNTY
ENGINEERING AND PUBLIC WORKS
ROADWAY PRODUCTION
P.O. BOX 21229, WEST PALM BEACH, FLORIDA

SCALE: H. 1"=20' V. 1"=10'
APPROVED: MA
DRAWN: IA
CHECKED: JJV
DATE: 11/25/19

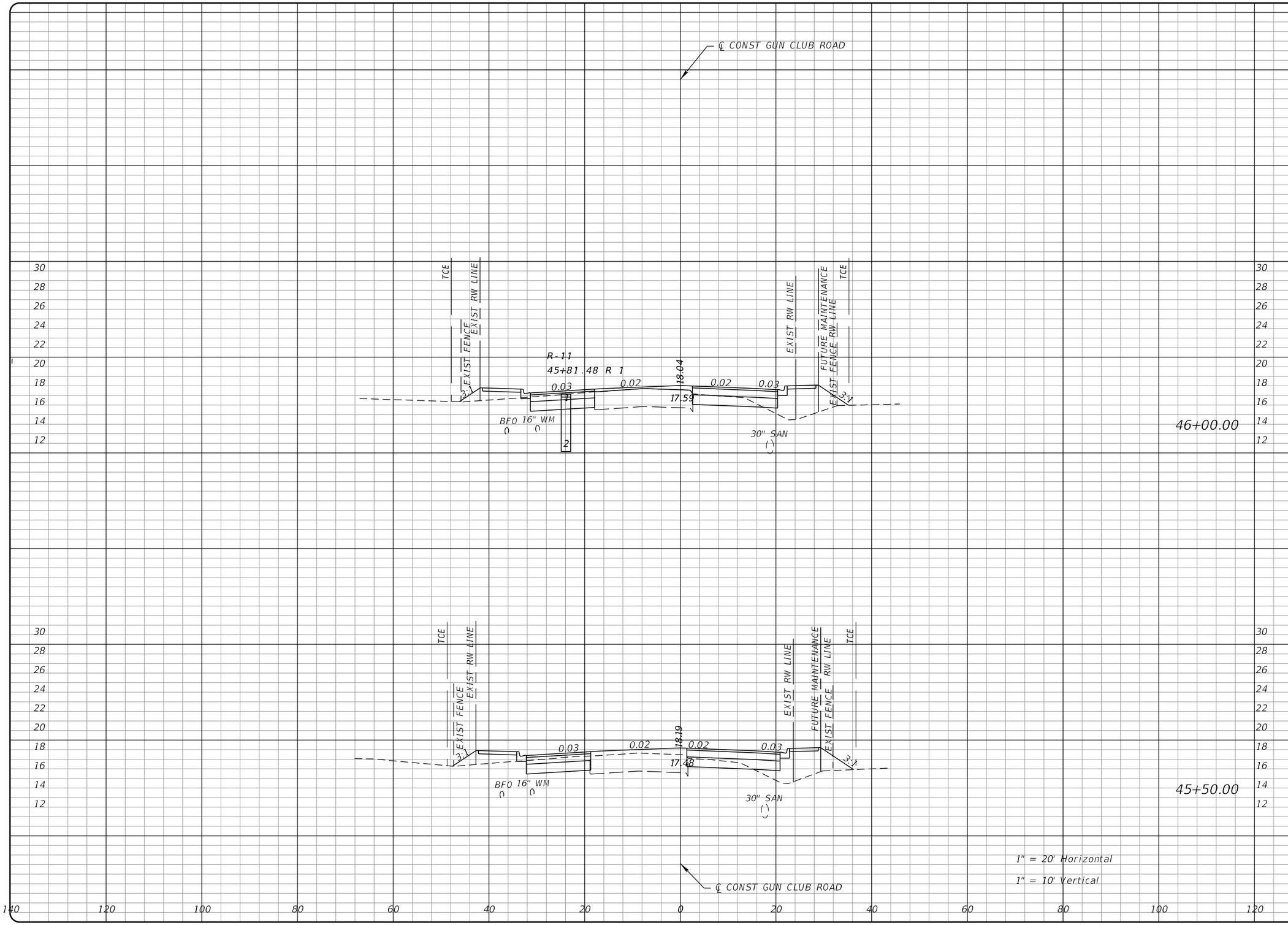
# GUN CLUB RD

FOREST ESTATES BLVD TO LWDD E-3 CANAL

## CROSS SECTIONS

SHEET: 49
OF: 54
PROJECT NO. 2018501

Istiak Ahmed 12/19/2019 5:42:55 PM




| Regular Exc. | | Embankment | |
|---|---|---|---|
| A | V | A | V |

S:\181301-02_Gun_Club_Rd\2018501\roadway\RDXSR003.dgn

**PROPEL ENGINEERING, INC.**
6685 FOREST HILL BLVD., SUITE NO. 205
GREENACRES, FLORIDA 33413
FLORIDA BUSINESS CERT. NO. 31050
PHONE (561) 866-5730

Seal:
xx
P.E# x

| No. | Revisions | By | Date |
|---|---|---|---|
| | | | |

PALM BEACH COUNTY
ENGINEERING AND PUBLIC WORKS
ROADWAY PRODUCTION
P.O. BOX 21229, WEST PALM BEACH, FLORIDA

SCALE: H. 1"=20' V. 1"=10'
APPROVED: MA
DRAWN: IA
CHECKED: JJV
DATE: 11/25/19

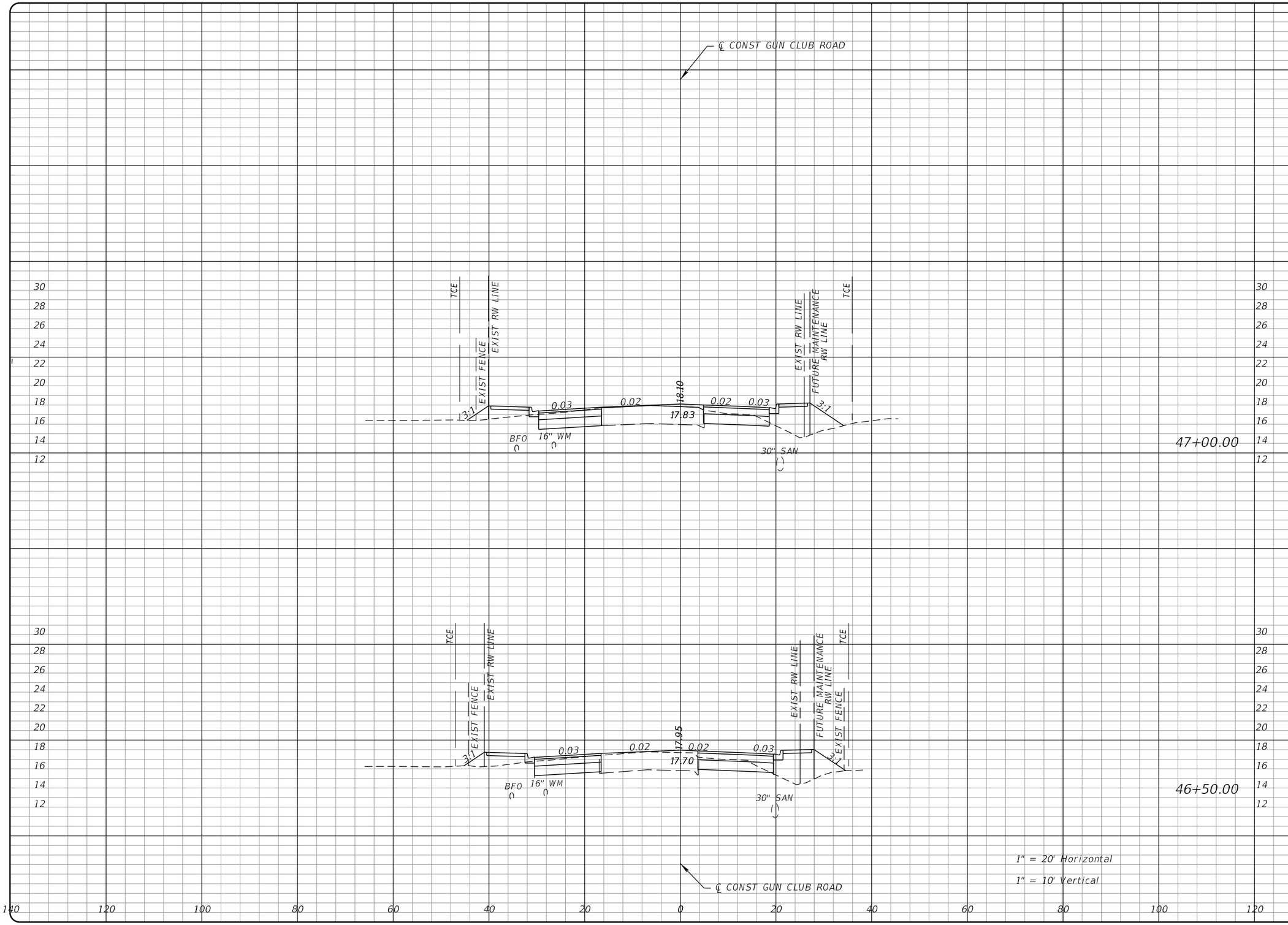
Istiak Ahmed 12/19/2019 5:42:55 PM

# GUN CLUB RD

FOREST ESTATES BLVD TO LWDD E-3 CANAL

## CROSS SECTIONS

SHEET: 50
OF: 54
PROJECT NO. 2018501




| Regular Exc. | | Embankment | |
|---|---|---|---|
| A | V | A | V |

S:\18130101-02_Gun_Club_Rd\2018501\roadway\RDXSR003.dgn

**PROPEL ENGINEERING, INC.**
6685 FOREST HILL BLVD., SUITE NO. 205
GREENACRES, FLORIDA 33413
FLORIDA BUSINESS CERT. NO. 31050
PHONE (561) 866-5730

Seal:
xx
P.E# x

| No. | Revisions | By | Date |
|---|---|---|---|
| | | | |

PALM BEACH COUNTY
ENGINEERING AND PUBLIC WORKS
ROADWAY PRODUCTION
P.O. BOX 21229, WEST PALM BEACH, FLORIDA

SCALE: H. 1"=20' V. 1"=10'
APPROVED: MA
DRAWN: IA
CHECKED: JJV
DATE: 11/25/19

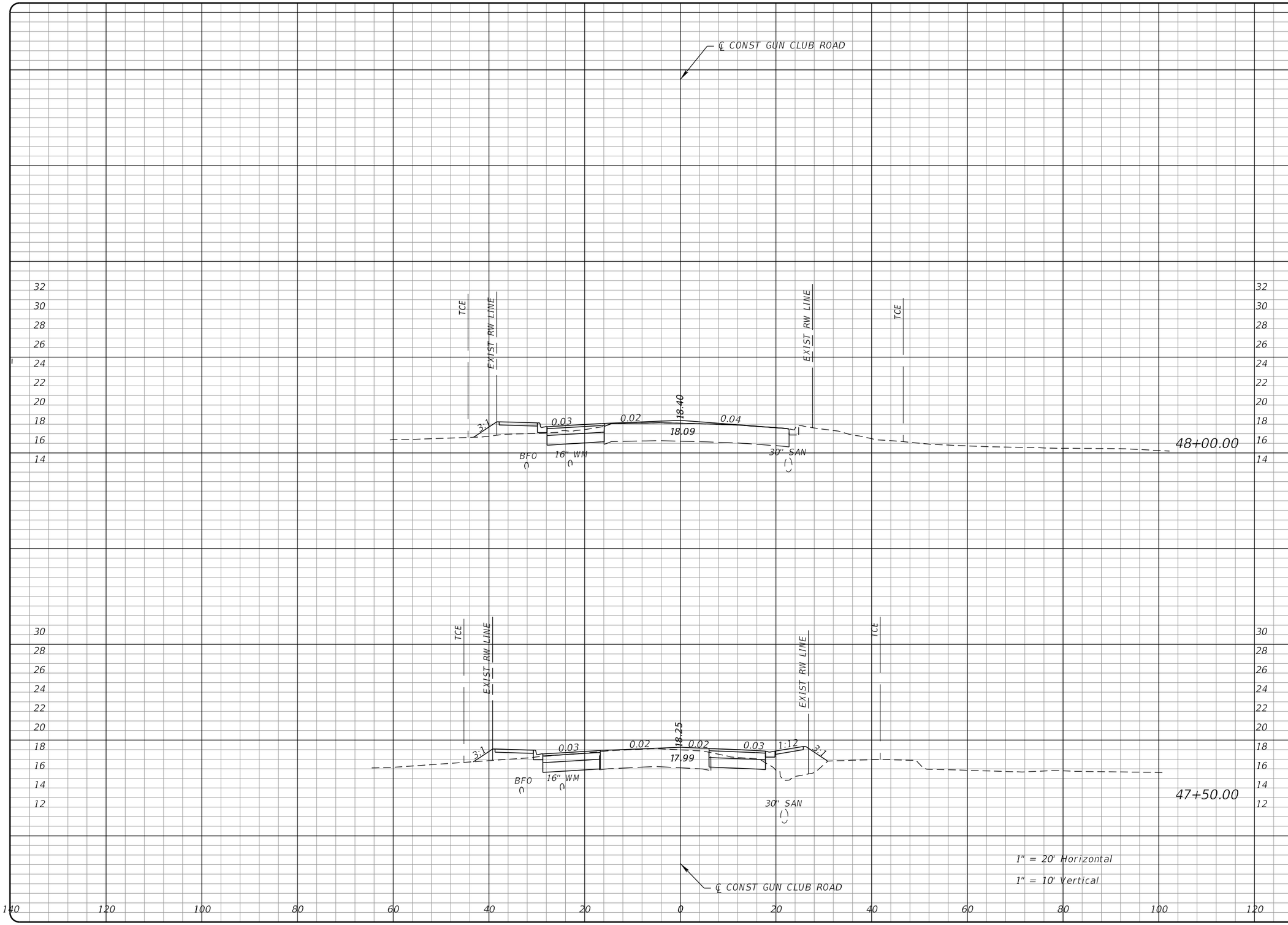
# GUN CLUB RD

FOREST ESTATES BLVD TO LWDD E-3 CANAL

## CROSS SECTIONS

SHEET: 51
OF: 54
PROJECT NO. 2018501

Istiak Ahmed 12/19/2019 5:42:56 PM




| Regular Exc. | | Embankment | |
|---|---|---|---|
| A | V | A | V |

S:\18130101-02_Gun_Club_Rd\2018501\roadway\RDXSRD03.dgn

**PROPEL ENGINEERING, INC.**
6685 FOREST HILL BLVD., SUITE NO. 205
GREENACRES, FLORIDA 33413
FLORIDA BUSINESS CERT. NO. 31050
PHONE (561) 866-5730

Seal:
xx
P.E# x

| No. | Revisions | By | Date |
|---|---|---|---|
| | | | |

PALM BEACH COUNTY
ENGINEERING AND PUBLIC WORKS
ROADWAY PRODUCTION
P.O. BOX 21229, WEST PALM BEACH, FLORIDA

SCALE: H. 1"=20' V. 1"=10'
APPROVED: MA
DRAWN: IA
CHECKED: JJV
DATE: 11/25/19

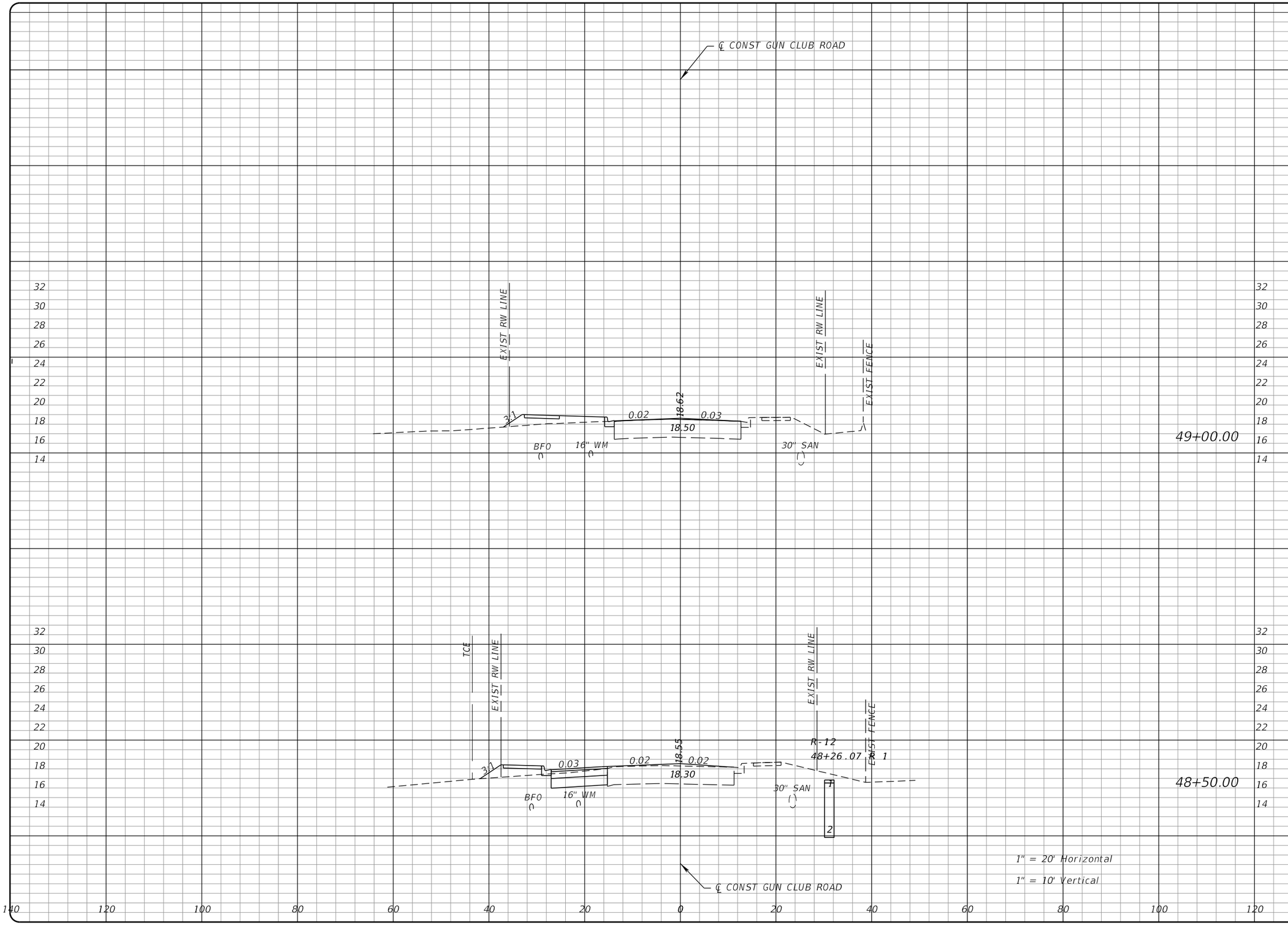
# GUN CLUB RD

FOREST ESTATES BLVD TO LWDD E-3 CANAL

## CROSS SECTIONS

SHEET: 52
OF: 54
PROJECT NO. 2018501

Istiak Ahmed 12/19/2019 5:42:56 PM




| Regular Exc. | | Embankment | |
|---|---|---|---|
| A | V | A | V |

S:\18130101-02_Gun_Club_Rd\2018501\roadway\RDXSR003.dgn

**PROPEL ENGINEERING, INC.**
6685 FOREST HILL BLVD., SUITE NO. 205
GREENACRES, FLORIDA 33413
FLORIDA BUSINESS CERT. NO. 31050
PHONE (561) 866-5730

Seal:
xx
P.E# x

| No. | Revisions | By | Date |
|---|---|---|---|
| | | | |

PALM BEACH COUNTY
ENGINEERING AND PUBLIC WORKS
ROADWAY PRODUCTION
P.O. BOX 21229, WEST PALM BEACH, FLORIDA

SCALE: H. 1"=20' V. 1"=10'
APPROVED: MA
DRAWN: IA
CHECKED: JJV
DATE: 11/25/19

Istiak Ahmed 12/19/2019 5:42:56 PM

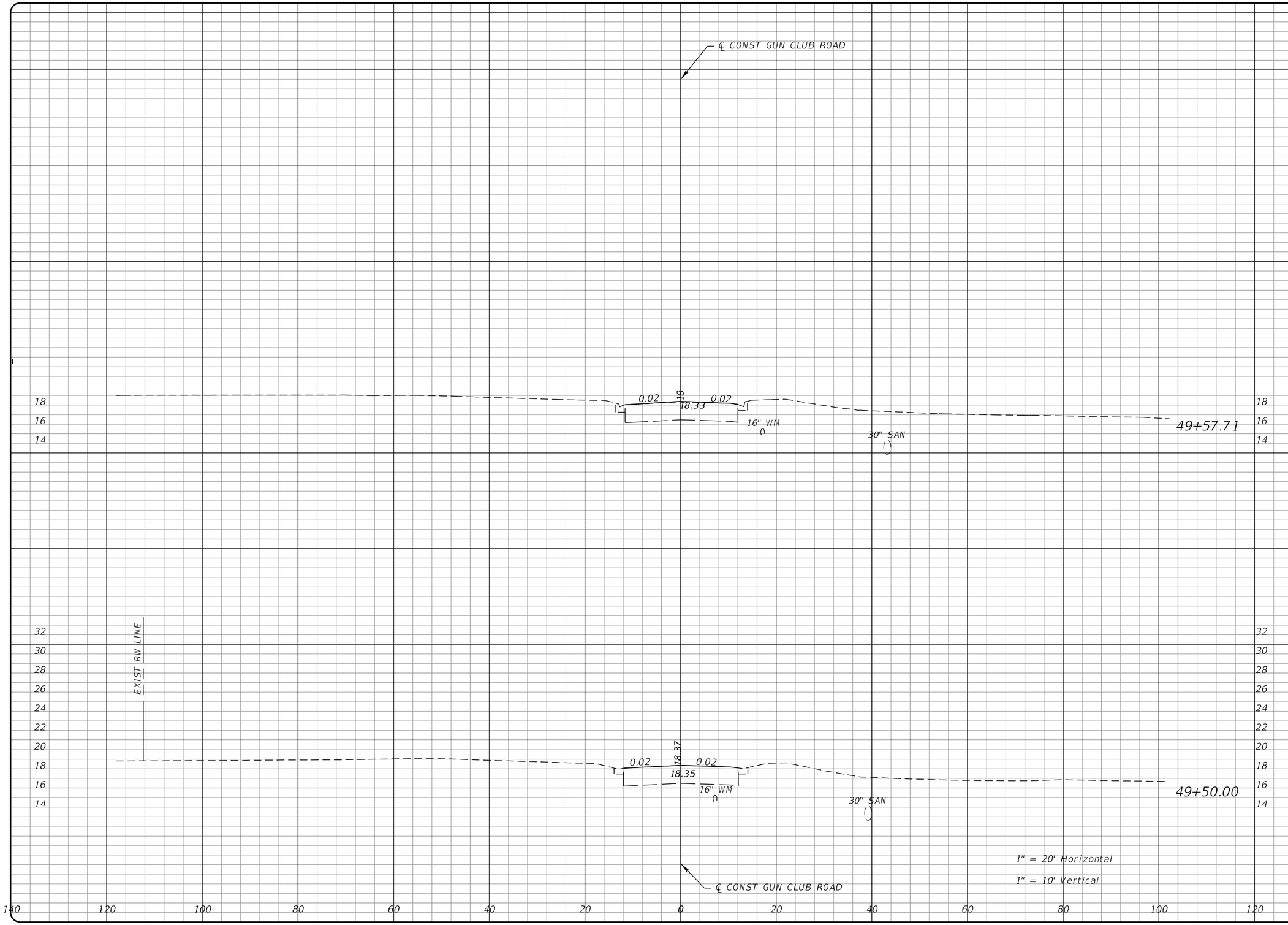
# GUN CLUB RD

FOREST ESTATES BLVD TO LWDD E-3 CANAL

CROSS SECTIONS

SHEET: 53
OF: 54

PROJECT NO. 2018501




| Regular Exc. | | Embankment | |
|---|---|---|---|
| A | V | A | V |

S:\181301101-02_Gun_Club_Rd\2018501\roadway\RDXSRD03.dgn

**PROPEL ENGINEERING, INC.**
6685 FOREST HILL BLVD., SUITE NO. 205
GREENACRES, FLORIDA 33413
FLORIDA BUSINESS CERT. NO. 31050
PHONE (561) 866-5730

Seal:
xx
P.E# x

| No. | Revisions | By | Date |
|---|---|---|---|
| | | | |

PALM BEACH COUNTY
ENGINEERING AND PUBLIC WORKS
ROADWAY PRODUCTION
P.O. BOX 21229, WEST PALM BEACH, FLORIDA

SCALE: H. 1"=20' V. 1"=10'
APPROVED: MA
DRAWN: IA
CHECKED: JJV
DATE: 11/25/19

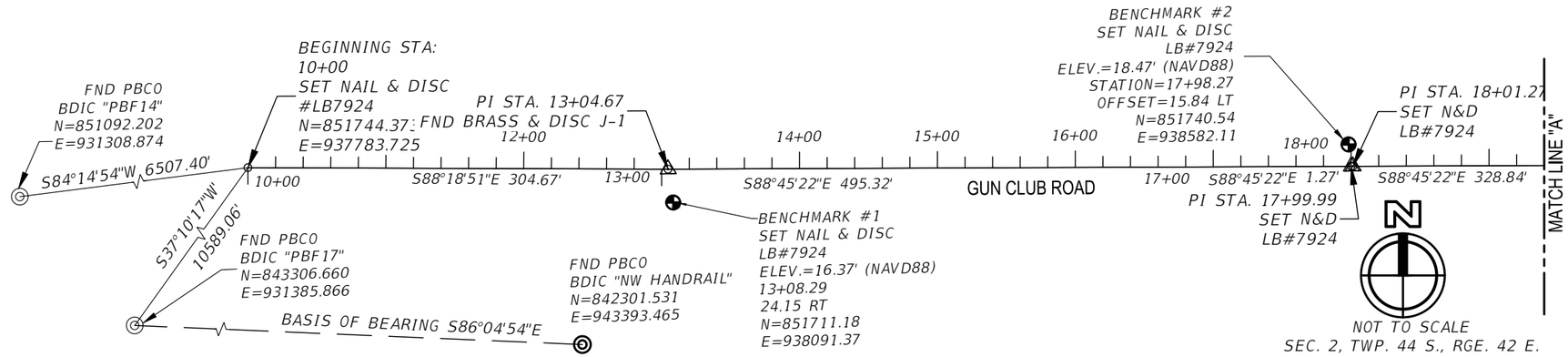
# GUN CLUB RD

FOREST ESTATES BLVD TO LWDD E-3 CANAL

## CROSS SECTIONS

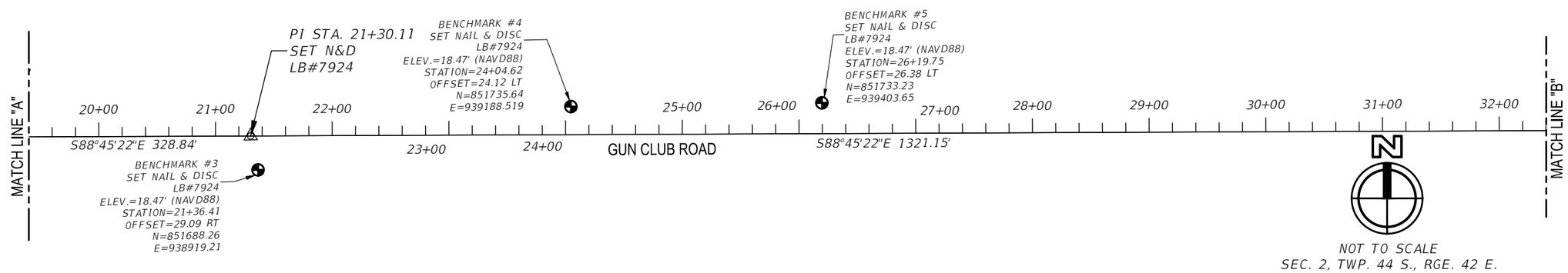
SHEET: 54
OF: 54
PROJECT NO. 2018501

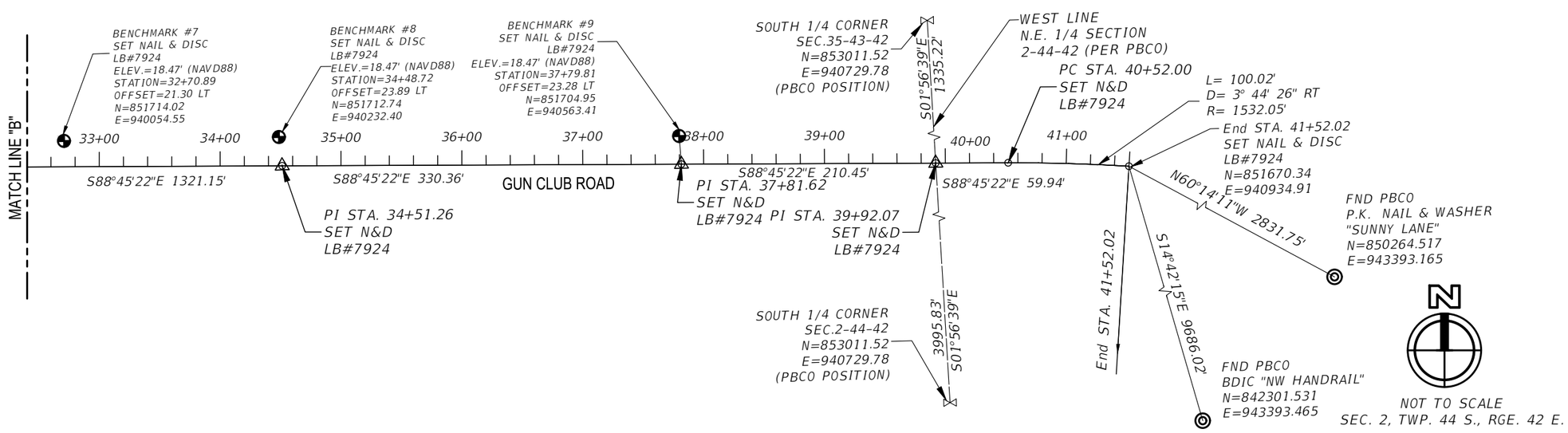
Istiak Ahmed 12/19/2019 5:42:56 PM




## SURVEYOR'S NOTES

1. ELEVATIONS SHOWN HEREON ARE RELATIVE TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88) AND REFERENCE THE FOLLOWING BENCHMARKS: PALM BEACH COUNTY ENGINEERING BENCHMARK "S-13B"; ELEVATION: 17.673'.
2. COORDINATES ARE GRID.
   ALL DISTANCES ARE GROUND.
   HORIZONTAL DATUM = NAD 83, 1990 ADJUSTMENT (NAD83/90).
   ZONE = FLORIDA EAST ZONE 0901
   LINEAR UNITS = US SURVEY FOOT
   COORDINATE SYSTEM = 1983 STATE PLANE TRANSVERSE MERCATOR PROJECTION
   PROJECT SCALE FACTOR = 1.00003318 (GROUND DISTANCE X SCALE FACTOR = GRID DISTANCE).
3. BEARINGS SHOWN HEREON ARE BASED ON THE LINE BETWEEN PALM BEACH COUNTY ENGINEERING CONTROL POINTS "SUNNY LANE" AND "PBF17" HAVING A GRID BEARING OF SOUTH 86°04'54" EAST.





HSQ GROUP, INC.
Engineers · Planners · Surveyors
1001 Yamato Road, Suite 105
Boca Raton, Florida 33431 · 561.392.0221
C26258 · LB7924


Seal:
Daniel C. Laak
FL.Reg.No. LS5118

| No. | Revisions | By | Date |
|---|---|---|---|
| | | | |
| | | | |
| | | | |

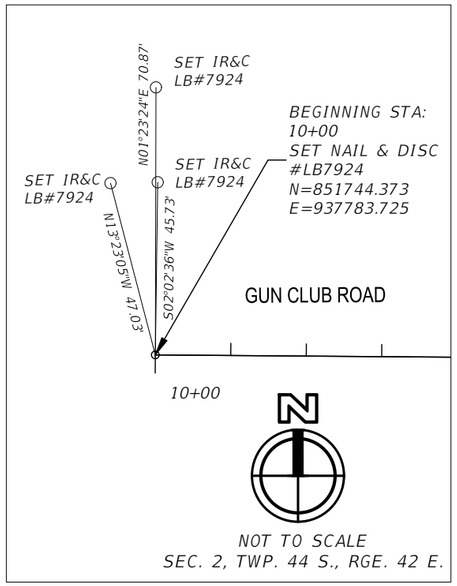
PALM BEACH COUNTY
ENGINEERING AND PUBLIC WORKS
ROADWAY PRODUCTION
P.O. BOX 21229, WEST PALM BEACH, FLORIDA

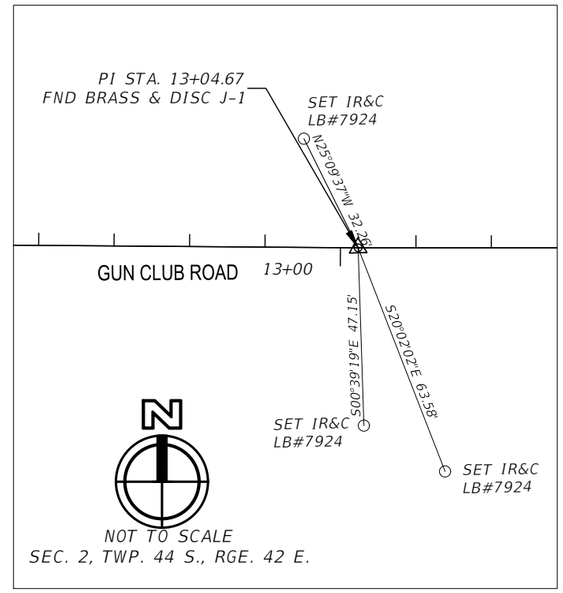
SCALE: N.T.S
APP'D: DCL
DRAWN: EC
CHK'D: DCL
DATE: 5/16/19

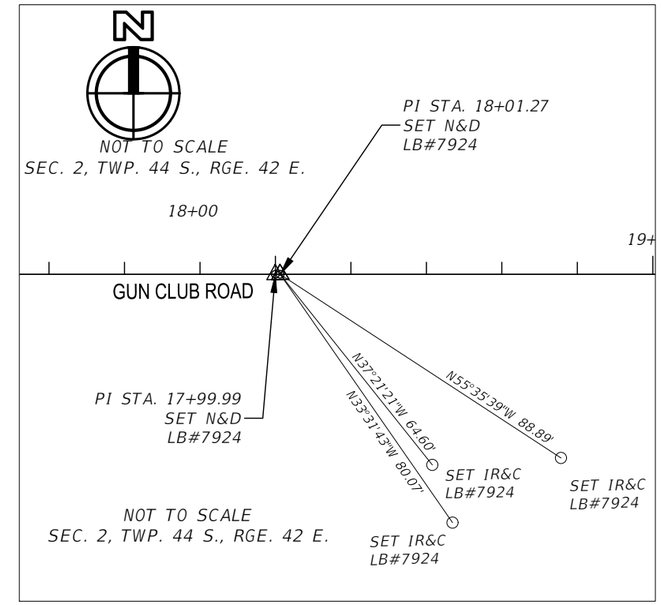
# PROJECT NETWORK CONTROL
## GUN CLUB ROAD
PALM BEACH COUNTY, FLORIDA

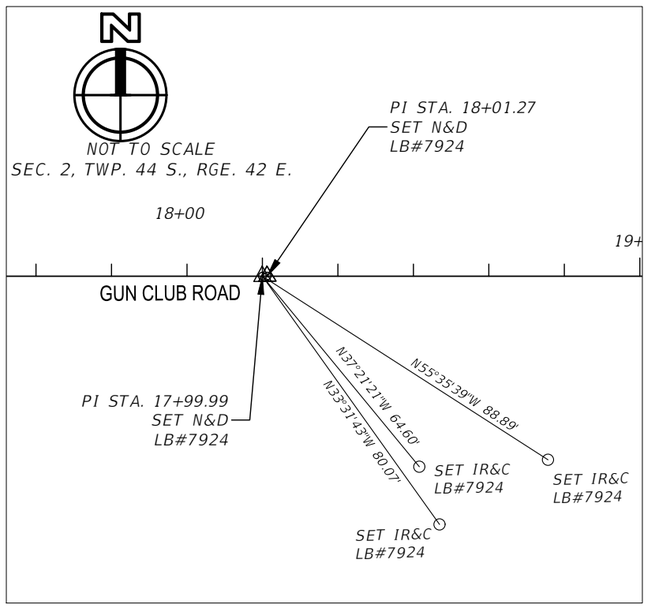
SHEET: CTL-1
OF: 3
PROJECT NO. 2018501

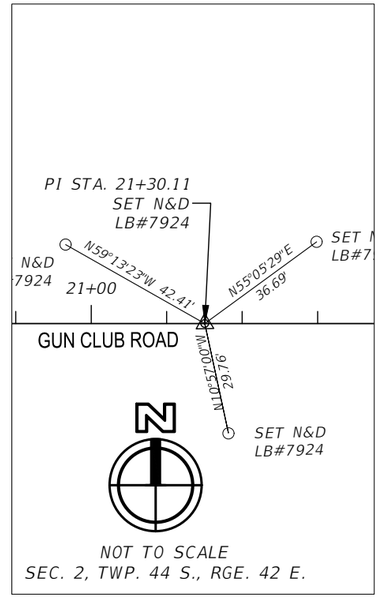
Z:\Survey Projects\2019\190319S Gun Club @ Forest Estate\dwg\190319pnc.dwg

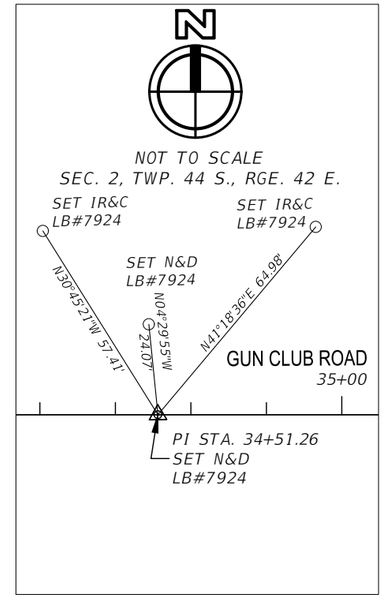



**HSQ GROUP, INC.**
Engineers · Planners · Surveyors
1001 Yamato Road, Suite 105
Boca Raton, Florida 33431 · 561.392.0221
C26258 · LB7924

Seal:
Daniel C. Laak
FL.Reg.No. LS5118

| No. | Revisions | By | Date |
|---|---|---|---|
| | | | |
| | | | |
| | | | |

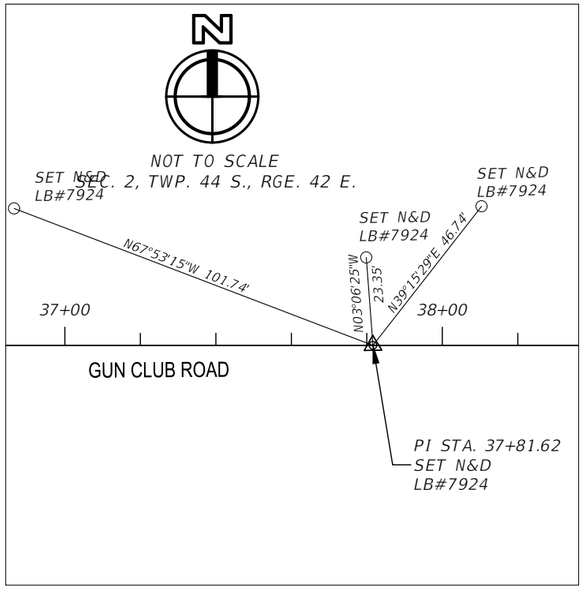
PALM BEACH COUNTY
ENGINEERING AND PUBLIC WORKS
ROADWAY PRODUCTION
P.O. BOX 21229, WEST PALM BEACH, FLORIDA

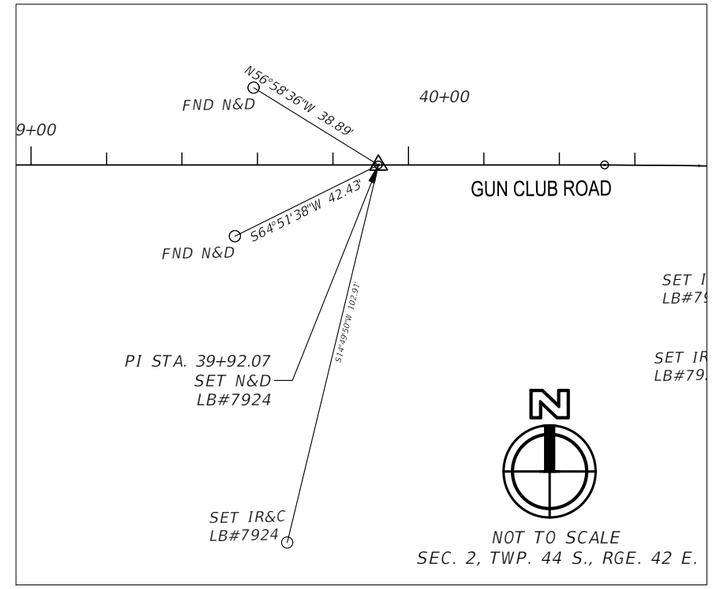
SCALE: N.T.S
APP'D: DCL
DRAWN: EC
CHK'D: DCL
DATE: 5/16/19

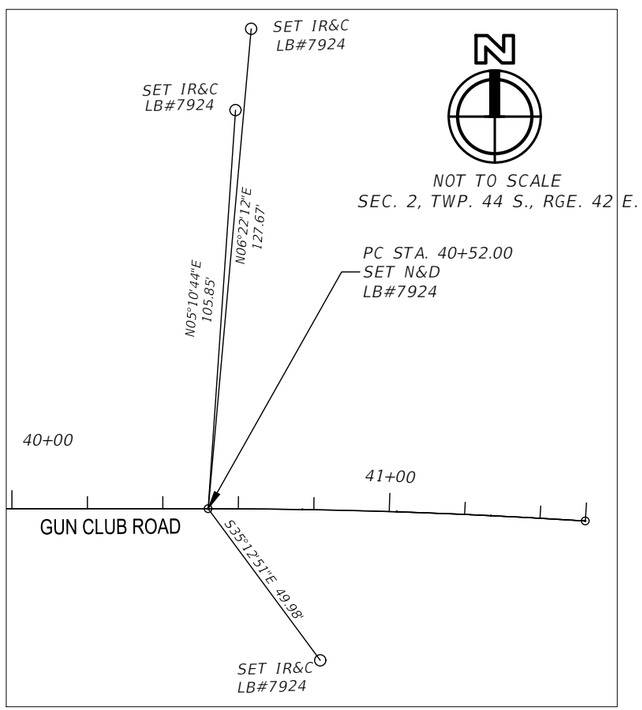
# PROJECT NETWORK CONTROL
## GUN CLUB ROAD
PALM BEACH COUNTY, FLORIDA

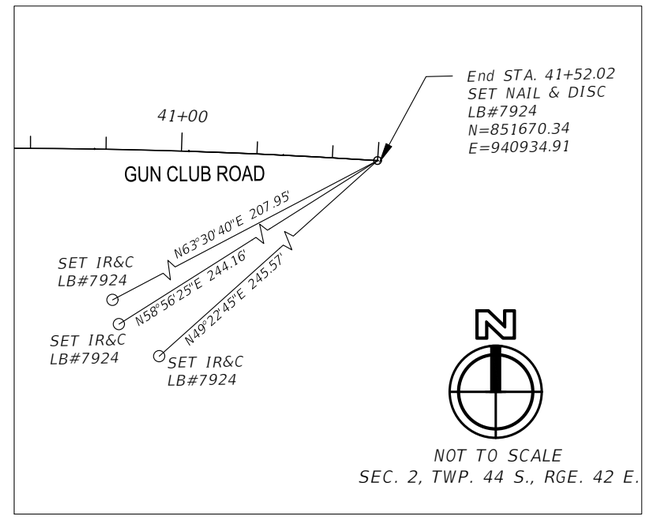
SHEET: CTL-2
OF: 3
PROJECT NO. 2018501

Z:\Survey Projects\2019\190319S Gun Club @ Forest Estate\dwg\190319pnc.dwg




**HSQ GROUP, INC.**
Engineers · Planners · Surveyors
1001 Yamato Road, Suite 105
Boca Raton, Florida 33431 · 561.392.0221
C26258 · LB7924

Seal:
Daniel C. Laak
FL.Reg.No. LS5118

| No. | Revisions | By | Date |
|---|---|---|---|
| | | | |
| | | | |
| | | | |

PALM BEACH COUNTY
ENGINEERING AND PUBLIC WORKS
ROADWAY PRODUCTION
P.O. BOX 21229, WEST PALM BEACH, FLORIDA

SCALE: N.T.S
APP'D: DCL
DRAWN: EC
CHK'D: DCL
DATE: 5/16/19

# PROJECT NETWORK CONTROL
## GUN CLUB ROAD
PALM BEACH COUNTY, FLORIDA

SHEET: CTL-3
OF: 3
PROJECT NO: 2018501

Z:\Survey Projects\2019\190319S Gun Club @ Forest Estate\dwg\190319pnc.dwg

DATE OF SURVEY: 7/5/19 - 7/18/19
SURVEY MADE BY: GCME, INC.
SUBMITTED BY: PARTHA GHOSH, P.E.

# STATE OF FLORIDA
# DEPARTMENT OF TRANSPORTATION
# MATERIALS AND RESEARCH

DISTRICT: 4
ROAD NO.: GUN CLUB ROAD
COUNTY: PALM BEACH

FINANCIAL PROJECT ID : -

PROJECT NAME: GUN CLUB ROAD, FROM FOREST ESTATES DRIVE TO LWDD E-3 CANAL

## CROSS SECTION SOIL SURVEY FOR THE DESIGN OF ROADS

SURVEY BEGINS STA. : 23+00 SURVEY ENDS STA. : 50+00

REFERENCE: BASELINE SURVEY

| | ORGANIC CONTENT | | MOISTURE CONTENT | | SIEVE ANALYSIS RESULTS PERCENT PASS (%) | | | | | | ATTERBERG LIMITS (%) | | | | | CORROSION TEST RESULTS | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| STRATUM NO. | NO. OF TESTS | % ORGANIC | NO. OF TESTS | MOISTURE CONTENT | NO. OF TESTS | 10 MESH | 40 MESH | 60 MESH | 100 MESH | 200 MESH | NO. OF TESTS | LIQUID LIMIT | PLASTIC INDEX | AASHTO GROUP | DESCRIPTION | NO. OF TESTS | RESISTIVITY ohm-cm | CHLORIDE ppm | SULFATES ppm | pH |
| 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | A-8 | BROWN SAND WITH TRACE ROOTS AND TRACE LIMEROCK FRAGMENTS (TOPSOIL) | - | - | - | - | - |
| 2 | 1 | 1.3 | 13 | 2-32 | 12 | 67-100 | 53-91 | 31-59 | 11-34 | 2-7 | - | - | - | A-3 | LIGHT BROWN TO DARK BROWN SAND, SOMETIMES WITH SILT, SOMETIMES WITH TRACE TO LITTLE LIMEROCK FRAGMENTS AND SHELL FRAGMENTS | 3 | 10300-17500 | 8.3-10.4 | 2.2-19.9 | 8.2-8.8 |
| 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 3A | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 5 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |

EMBANKMENT AND SUBGRADE MATERIAL

STRATA BOUNDARIES ARE APPROXIMATE. MAKE FINAL CHECK AFTER GRADING.

▽ - WATER TABLE ENCOUNTERED

GNE - GROUNDWATER NOT ENCOUNTERED

NOTES: (1) THE MATERIAL FROM STRATUM 1 IS TOPSOIL (A-8) AND CONSIDERED TO BE UNSUITABLE (MUCK). IT SHALL BE REMOVED DURING CLEARING AND GRUBBING IN ACCORDANCE WITH SECTION 110 OF THE FDOT STANDARD SPECIFICATIONS.
(2) STRATUM 2 CONSISTS OF SELECT MATERIALS AND ARE ADEQUATE FOR SUBGRADE AND EMBANKMENT SUPPORT, AND SHOULD BE UTILIZED ACCORDING TO STANDARD PLANS, INDEX 120-001.

ENGINEER OF RECORD:
PARTHA GHOSH, P.E. LICENSE NO. 51377
GCME, INC.
1730 W. 10TH STREET
RIVIERA BEACH, FLORIDA 33404
CERTIFICATE OF AUTHORIZATION NO. 9076

| NO. | REVISION | BY | DATE |
|---|---|---|---|
| | | | |

PALM BEACH COUNTY
ENGINEERING AND PUBLIC WORKS
ROADWAY PRODUCTION
P.O BOX 21229
WEST PALM BEACH, FL 33406

SCALE: 1"=10'V
APPROVED: PG
DRAWN: FP
CHECKED: ZP
DATE DRAWN: 7/22/19
FIELD BOOK NO.

PROJECT:
ROADWAY SOILS SURVEY
DRAWING NO.
DESIGN FILE NAME: $FILES$

SHEET: GR-1
OF: 1
PROJECT NO. 2018501

FIGURE: RSS-1