

K:\FL\AVIATION\044693068 - FXE FOXTROT RELOCATION\CADD\PLANSHEETS\12243-MULTI-PHAS.DWG

PHASING SUMMARY					
PHASE	TIME AVAILABLE	WORK INCLUDED	DURATION	AIRCRAFT MOVEMENT	SEQUENCE
MOBILIZATION		<ul style="list-style-type: none">SUBMIT ALL SHOP DRAWINGS.REMOVE, SALVAGE, AND STORE EXISTING AIRFIELD GATES.INSTALL TEMPORARY CONSTRUCTION GATES.PREPARE STAGING AREA INCLUDING BUT NOT LIMITED TO CONSTRUCTING STAGING AREA BASE.INSTALL STAGING AREA FENCING AND OTHER SECURITY MEASURES.CONSTRUCT TEMPORARY CONSTRUCTION ACCESS ROADS.PROTECT EXISTING PAVED SERVICE ROAD WITH LIME ROCK.	43 (WORK DAYS) 60 (CALENDAR DAYS)	<ul style="list-style-type: none">CONSTRUCTION IN THE WORK AREA WILL BE PERFORMED OUTSIDE OF AIRPORT SAFETY AREAS AND PROTECTED SURFACES. ALL AIRPORT INFRASTRUCTURE TO REMAIN OPEN.	
PHASE 1A - CONSTRUCTION	8 HOURS PER DAY, SUNDAY THROUGH FRIDAY, 10:00 PM AND 6:00 AM. EXISTING TAXIWAY F WILL BE FULLY OPENED BETWEEN 6:00 AM AND 10:00 PM MONDAY THROUGH THURSDAY AND 6:00 AM FRIDAY TO 10:00 PM SUNDAY	<ul style="list-style-type: none">INSTALL BARRICADESINSTALL EROSION AND SEDIMENTATION CONTROL MEASURES.PERFORM CLEARING AND GRUBBING.MODIFY EXISTING DRAINAGE STRUCTURES.MODIFY EXISTING AIR RELEASE VALVES AND STRUCTURES.REMOVE AND SALVAGE EXISTING AES (MAINTENANCE) BUILDING SIGNAGE.REMOVE BITUMINOUS AND PORTLAND CEMENT CONCRETE PAVEMENT WITHIN LIMITS OF THE AES BUILDING AIRFIELD DRIVEWAY.CONSTRUCT EMBANKMENT, SUBGRADE, SUBBASE, AND LIME ROCK BASE COURSES.CONSTRUCT SHOULDERS.CONSTRUCT CONCRETE UTILITY PROTECTION SLABS.PERFORM ELECTRICAL INSTALLATION WORK.INSTALL TOPSOILING AND SODDING	32 (WORK DAYS) 45 (CALENDAR DAYS)	<ul style="list-style-type: none">CONSTRUCTION IN THE WORK AREA SHOWN WILL REQUIRE THE CLOSURE OF EXISTING TAXIWAY F EAST OF TAXIWAY F5 AND WEST OF TAXIWAY F7, NEW TAXIWAY F, AND THE AES AIRFIELD DRIVE. RUNWAY 9-27, RUNWAY 13-31, AND THE AES AIRFIELD DRIVE. RUNWAY 9-27, RUNWAY 13-31, EXISTING TAXIWAY F (BEYOND THIS WORK AREA), TAXIWAYS F5, F7, F8, F9, N, D, R, S, AND S1, AND THE RUNWAY 27 RUNUP AREA ARE TO REMAIN OPEN.	<ul style="list-style-type: none">WORK IN THIS AREA WILL BE PERFORMED SEQUENTIALLY AFTER THE COMPLETION OF PHASE M MOBILIZATION.INSTALLATION OF 24" & 60" PIPES, THEN DRAINAGE STRUCTURE & PAVEMENT REPAIR TO BE PERFORMED FIRST & IN ONE NIGHT EACH
PHASE 1B - CONSTRUCTION	8 HOURS PER DAY, SUNDAY THROUGH FRIDAY, 10:00 PM AND 6:00 AM.	<ul style="list-style-type: none">INSTALL BARRICADES AND TAXIWAY CLOSURE MARKERS.INSTALL EROSION AND SEDIMENTATION CONTROL MEASURES.PERFORM CLEARING AND GRUBBING.MODIFY EXISTING DRAINAGE STRUCTURES.REMOVE BITUMINOUS PAVEMENT AND PORTLAND CEMENT CONCRETE WITHIN LIMITS OF TAXIWAY F7.MILL BITUMINOUS ASPHALT AND INTERSECTION WITHIN EXISTING TAXIWAY F.CONSTRUCT EMBANKMENT, SUBGRADE, SUBBASE, AND LIME ROCK BASE COURSES.CONSTRUCT SHOULDERS.CONSTRUCT CONCRETE UTILITY PROTECTION SLABS.PERFORM ELECTRICAL DEMOLITON AND INSTALLATION WORK.PAVE (P-401) ASPHALT.INSTALL TOPSOILING AND SODDING	15 (WORK DAYS) 21 (CALENDAR DAYS)	<ul style="list-style-type: none">CONSTRUCTION IN THE WORK AREA SHOWN WILL REQUIRE THE CLOSURE OF EXISTING TAXIWAY F EAST OF TAXIWAY F5 AND WEST OF TAXIWAY F8, TAXIWAY N NORTH OF RUNWAY 9-27, TAXIWAY F7, NEW TAXIWAY F, AND THE AES AIRFIELD DRIVE. RUNWAY 9-27, RUNWAY 13-31, EXISTING TAXIWAY F (BEYOND THIS WORK AREA), TAXIWAYS F5, F8, F9, D, R, S AND S1, AND THE RUNWAY 27 RUNUP AREA ARE TO REMAIN OPEN.	<ul style="list-style-type: none">WORK IN THIS AREA WILL BE PERFORMED SEQUENTIALLY AFTER THE COMPLETION OF PHASE 1 WORK AREA A.
PHASE 1C - CONSTRUCTION	8 HOURS PER DAY, SUNDAY THROUGH FRIDAY, 10:00 PM AND 6:00 AM. EXISTING TAXIWAY F WILL BE FULLY OPENED BETWEEN 6:00 AM AND 10:00 PM MONDAY THROUGH THURSDAY AND 6:00 AM FRIDAY TO 10:00 PM SUNDAY	<ul style="list-style-type: none">INSTALL BARRICADES.INSTALL EROSION AND SEDIMENTATION CONTROL MEASURES.PERFORM CLEARING AND GRUBBING.MODIFY EXISTING DRAINAGE STRUCTURES.CONSTRUCT EMBANKMENT, SUBGRADE, SUBBASE, AND LIME ROCK BASE COURSES.CONSTRUCT SHOULDERS.PERFORM ELECTRICAL INSTALLATION WORK.PAVE (P-401) ASPHALT.APPLY TEMPORARY PAINT MARKING.INSTALL TOPSOILING AND SODDING	20 (WORK DAYS) 28 (CALENDAR DAYS)	<ul style="list-style-type: none">CONSTRUCTION IN THE WORK AREA SHOWN WILL REQUIRE THE CLOSURE OF EXISTING TAXIWAY F EAST OF TAXIWAY F7 AND WEST OF TAXIWAY F8, NEW TAXIWAY F, AND THE AES AIRFIELD DRIVE. RUNWAY 9-27, RUNWAY 13-31, EXISTING TAXIWAY F (BEYOND THIS WORK AREA), TAXIWAYS F5, F7, F8, F9, N, D, R, S, AND S1, AND THE RUNWAY 27 RUNUP AREA ARE TO REMAIN OPEN.	<ul style="list-style-type: none">WORK IN THIS AREA WILL BE PERFORMED SEQUENTIALLY AFTER THE COMPLETION OF PHASE 1 WORK AREA B. PAVING AND PAINT MARKING TASKS WILL BE PERFORMED CONCURRENTLY WITH PHASE 1 WORK AREA D.INSTALLATION OF 36" PIPE, ITS STRUCTURES, AND PAVEMENT REPAIR TO BE PERFORMED FIRST AND IN ONE NIGHT.
PHASE 1D - CONSTRUCTION	8 HOURS PER DAY, SUNDAY THROUGH FRIDAY, 10:00 PM AND 6:00 AM. EXISTING TAXIWAY F AND TAXIWAY D WILL BE FULLY OPENED BETWEEN 6:00 AM AND 10:00 PM MONDAY THROUGH THURSDAY AND 6:00 AM FRIDAY TO 10:00 PM SUNDAY.	<ul style="list-style-type: none">INSTALL BARRICADES.INSTALL EROSION AND SEDIMENTATION CONTROL MEASURES.PERFORM CLEARING AND GRUBBING.MODIFY EXISTING DRAINAGE STRUCTURES.REMOVE BITUMINOUS PAVEMENT AND PORTLAND CEMENT CONCRETE WITHIN LIMITS OF TAXIWAY F8.CONSTRUCT EMBANKMENT, SUBGRADE, SUBBASE, AND LIME ROCK BASE COURSES.CONSTRUCT SHOULDERS.CONSTRUCT CONCRETE UTILITY PROTECTION SLABS.PERFORM ELECTRICAL DEMOLITION AND INSTALLATION WORK.PAVE (P-401) ASPHALT.APPLY TEMPORARY PAINT MARKING.INSTALL TOPSOILING AND SODDING	11 (WORK DAYS) 15 (CALENDAR DAYS)	<ul style="list-style-type: none">CONSTRUCTION IN THE WORK AREA SHOWN WILL REQUIRE THE CLOSURE OF EXISTING TAXIWAY F EAST OF TAXIWAY F7 AND WEST OF TAXIWAY F9, NEW TAXIWAY F, TAXIWAY D NORTH OF RUNWAY 9-27, TAXIWAY F8, AND THE AES AIRFIELD DRIVE. RUNWAY 9-27, RUNWAY 13-31, EXISTING TAXIWAY F (BEYOND THIS WORK AREA), TAXIWAYS F5, F7, F9, N, R, S, AND S1, AND THE RUNWAY 27 RUNUP AREA ARE TO REMAIN OPEN. WORK.	<ul style="list-style-type: none">WORK IN THIS AREA WILL BE PERFORMED CONCURRENTLY WITH PHASE 1 WORK AREA C, AFTER THE COMPLETION OF WORK AREA C'S EARTHWORK (INCLUDING THE BUT NOT LIMITED TO THE INSTALLATION OF BASE AND SHOULDERS). PAVING AND PAINT MARKING TASKS WILL BE PERFORMED CONCURRENTLY WITH PHASE 1 WORK AREA C.INSTALLATION OF 24" PIPE, ITS DRAINAGE STRUCTURE, & PAVEMENT REPAIR TO BE PERFORMED FIRST AND IN ONE NIGHT.
PHASE 1E - CONSTRUCTION	8 HOURS PER DAY, SUNDAY THROUGH FRIDAY, 10:00 PM AND 6:00 AM. EXISTING TAXIWAY F WILL BE FULLY OPENED BETWEEN 6:00 AM AND 10:00 PM MONDAY THROUGH THURSDAY AND 6:00 AM FRIDAY TO 10:00 PM SUNDAY	<ul style="list-style-type: none">INSTALL BARRICADES.INSTALL EROSION AND SEDIMENTATION CONTROL MEASURES.PERFORM CLEARING AND GRUBBING.MODIFY EXISTING DRAINAGE STRUCTURES.CONSTRUCT EMBANKMENT, SUBGRADE, SUBBASE, AND LIME ROCK BASE COURSES.CONSTRUCT SHOULDERS.PERFORM ELECTRICAL INSTALLATION WORK.PAVE (P-401) ASPHALT.APPLY TEMPORARY PAINT MARKING.INSTALL TOPSOILING AND SODDING.	15 (WORK DAYS) 21 (CALENDAR DAYS)	<ul style="list-style-type: none">CONSTRUCTION IN THE WORK AREA SHOWN WILL REQUIRE THE CLOSURE OF EXISTING TAXIWAY F EAST OF TAXIWAY D AND WEST OF TAXIWAY F9, NEW TAXIWAY F, AND THE AES AIRFIELD DRIVE. RUNWAY 9-27, RUNWAY 13-31, EXISTING TAXIWAY F (BEYOND THIS WORK AREA), TAXIWAYS F5, F7, F8, F9, N, D, R, S, AND S1, AND THE RUNWAY 27 RUNUP AREA ARE TO REMAIN OPEN.	<ul style="list-style-type: none">WORK IN THIS AREA WILL BE PERFORMED SEQUENTIALLY AFTER THE COMPLETION OF PHASE 1 WORK AREA D. PAVING AND PAINT MARKING TASKS WILL BE PERFORMED CONCURRENTLY WITH PHASE 1 WORK AREA F.INSTALLATION OF 24" PIPE, ITS DRAINAGE STRUCTURES AND PAVEMENT REPAIR TO BE REINFORCED FIRST & IN ONE NIGHT
PHASE 1F - CONSTRUCTION	8 HOURS PER DAY, SUNDAY THROUGH FRIDAY, 10:00 PM AND 6:00 AM. EXISTING TAXIWAY F WILL BE FULLY OPENED BETWEEN 6:00 AM AND 10:00 PM MONDAY THROUGH THURSDAY AND 6:00 AM FRIDAY TO 10:00 PM SUNDAY	<ul style="list-style-type: none">INSTALL BARRICADES.INSTALL EROSION AND SEDIMENTATION CONTROL MEASURES.PERFORM CLEARING AND GRUBBING.MODIFY EXISTING DRAINAGE STRUCTURES.REMOVE BITUMINOUS PAVEMENT WITHIN LIMITS OF TAXIWAY F9.PERFORM EXCAVATION OF DRAINAGE AREACONSTRUCT EMBANKMENT, SUBGRADE, SUBBASE, AND LIME ROCK BASE COURSES.CONSTRUCT SHOULDERS.CONSTRUCT CONCRETE UTILITY PROTECTION SLABS.PERFORM ELECTRICAL DEMOLITION AND INSTALLATION WORK.PAVE (P-401) ASPHALT.APPLY TEMPORARY PAINT MARKING.INSTALL TOPSOILING AND SODDING.	11 (WORK DAYS) 15 (CALENDAR DAYS)	<ul style="list-style-type: none">CONSTRUCTION IN THE WORK AREA SHOWN WILL REQUIRE THE CLOSURE OF EXISTING TAXIWAY F EAST OF TAXIWAY D AND WEST OF THE RUNWAY 27 RUNUP AREA, NEW TAXIWAY F, TAXIWAY F9, AND THE AES AIRFIELD DRIVE. RUNWAY 9-27, RUNWAY 13-31, EXISTING TAXIWAY F (BEYOND THIS WORK AREA), TAXIWAYS F5, F7, F8, N, D, R, S, AND S1, AND THE RUNWAY 27 RUNUP AREA ARE TO REMAIN OPEN	<ul style="list-style-type: none">WORK IN THIS AREA WILL BE PERFORMED CONCURRENTLY WITH PHASE 1 WORK AREA E, AFTER THE COMPLETION OF WORK AREA E'S EARTHWORK (INCLUDING THE BUT NOT LIMITED TO THE INSTALLATION OF BASE AND SHOULDERS). PAVING AND PAINT MARKING TASKS WILL BE PERFORMED CONCURRENTLY WITH PHASE 1 WORK AREA E.
PHASE 1G - CONSTRUCTION	PERFORMED 8 HOURS PER DAY, SUNDAY THROUGH FRIDAY, 10:00 PM AND 6:00 AM	<ul style="list-style-type: none">INSTALL BARRICADES.INSTALL EROSION AND SEDIMENTATION CONTROL MEASURES.REMOVE BITUMINOUS PAVEMENT AS REQUIRED WITHIN LIMITS OF WORK.PERFORM CLEARING AND GRUBBING.PERFORM EXCAVATION OF DRAINAGE AREAMODIFY AIR RELEASE VALVES AND STRUCTURES.CONSTRUCT EMBANKMENT, SUBGRADE, SUBBASE, AND LIME ROCK BASE COURSES.CONSTRUCT SHOULDERS.CONSTRUCT TEMPORARY BYPASS TAXIWAY S1.CONSTRUCT FOUNDATION AND BLAST DEFLECTOR.CONSTRUCT CONCRETE UTILITY PROTECTION SLABS.PERFORM ELECTRICAL INSTALLATION AND DEMOLITION WORK.PAVE (P-401) ASPHALT.APPLY TEMPORARY PAINT MARKING.INSTALL TOPSOILING AND SODDING	32 (WORK DAYS) 45 (CALENDAR DAYS)	<ul style="list-style-type: none">CONSTRUCTION IN THE WORK AREA SHOWN WILL REQUIRE THE CLOSURE OF EXISTING TAXIWAY F EAST OF TAXIWAY D AND WEST OF TAXIWAY S, NEW TAXIWAY F, TAXIWAY R, TAXIWAY S1, THE RUNWAY 27 RUNUP AREA, AND THE AES AIRFIELD DRIVE. RUNWAY 9-27, RUNWAY 13-31, EXISTING TAXIWAY F (BEYOND THIS WORK AREA), TAXIWAYS F5, F7, F8, F9 N, D, AND S ARE TO REMAIN OPEN.	<ul style="list-style-type: none">WORK IN THIS AREA WILL BE PERFORMED SEQUENTIALLY AFTER THE COMPLETION OF PHASE 1 WORK AREA F.

NOTES:

- SEE PHASING BAR SCHEDULE ON SHEET C18.
- ASPHALT CURE TIMES MUST NOT BE LESS THAN 30 CALENDAR DAYS.

CALL 48 HOURS BEFORE YOU DIG

IT'S THE LAW! DIAL 811

Know what's below. Call before you dig.

SUNSHINE STATE ONE CALL OF FLORIDA, INC.

CALL 48 HOURS BEFORE DIGGING
FAA FACILITIES 954-356-7212

Kimley-Horn
Kimley-Horn and Associates, Inc.
©2019 KIMLEY-HORN AND ASSOCIATES, INC.
1920 WENONA WAY, SUITE 200, WEST PALM BEACH, FL 33411
FOOTE, INC. CA 00000000
044693068

HILLERS ELECTRICAL
ENGINEERING, INC.
23297 STATE ROAD 7, SUITE 100
BOCA RATON, FLORIDA 33428
(561) 451-9165 PHONE
(561) 451-4886 FAX

BID SET

PROJECT # 12243
TAXIWAY FOXTROT
RELOCATION PROJECT
PHASING SUMMARY

SHEET NO.	OF
C19	70
TOTAL:	103
CAD FILE:	12243-MULTI-PHAS
DRAWING FILE NO.	4-141-45

ENGINEER:
THOMAS F. O'DONNELL
Lic. No. 62476
DATE:


DRAWN BY:
ALB
04-15-2019

DESIGNED BY:
SCALE:
MM
AS NOTED

CHECKED BY:
TFO

FIELD BOOK:

CITY of FORT LAUDERDALE
PUBLIC WORKS DEPARTMENT
ENGINEERING & ARCHITECTURE



100 North Andrews Avenue, Fort Lauderdale, Florida 33301

ENGINEER: TEL. 561-840-0825
FAX:

PHASING SUMMARY					
PHASE	TIME AVAILABLE	WORK INCLUDED	DURATION	AIRCRAFT MOVEMENT	SEQUENCE
PHASE 1H - CONSTRUCTION	8 HOURS PER DAY, SUNDAY THROUGH FRIDAY, 10:00 PM AND 6:00 AM.	<ul style="list-style-type: none">• INSTALL BARRICADES.• INSTALL EROSION AND SEDIMENTATION CONTROL MEASURES.• REMOVE BITUMINOUS PAVEMENT AS REQUIRED WITHIN LIMITS OF WORK.• PERFORM CLEARING AND GRUBBING.• MILL BITUMINOUS ASPHALT AT INTERSECTION WITH TAXIWAY S.• PERFORM EXCAVATION OF DRAINAGE AREA.• CONSTRUCT EMBANKMENT, SUBGRADE, SUBBASE, AND LIME ROCK BASE COURSES.• CONSTRUCT SHOULDERS.• PERFORM ELECTRICAL INSTALLATION AND DEMOLITION WORK.• PAVE (P-401) ASPHALT.• APPLY TEMPORARY PAINT MARKING.• INSTALL TOPSOILING AND SODDING	20 (WORK DAYS) 28 (CALENDAR DAYS)	<ul style="list-style-type: none">• CONSTRUCTION IN THE WORK AREA SHOWN WILL REQUIRE THE CLOSURE OF EXISTING TAXIWAY F EAST OF TAXIWAY D, NEW TAXIWAY F, TAXIWAY R, TAXIWAY S NORTH OF RUNWAY 27 AND SOUTH OF TAXIWAY S1, THE MIDDLE AND EASTERN BAYS OF THE RUNWAY 27 RUNUP AREA, AND THE AES AIRFIELD DRIVE. RUNWAY 9-27, RUNWAY 13-31, EXISTING TAXIWAY F (BEYOND THIS WORK AREA), TAXIWAYS F5, F7, F8, F9 N, D, S1 AND THE WESTERN BAY OF THE RUNWAY 27 RUNUP AREA ARE TO REMAIN OPEN.	<ul style="list-style-type: none">• WORK IN THIS AREA WILL BE PERFORMED SEQUENTIALLY AFTER THE COMPLETION OF PHASE 1 WORK AREA G.
PHASE 2A - CONSTRUCTION	8 HOURS PER DAY, SUNDAY THROUGH FRIDAY, 10:00 PM AND 6:00 AM. NEW TAXIWAY F WILL BE FULLY OPENED BETWEEN 6:00 AM AND 10:00 PM MONDAY THROUGH THURSDAY AND 6:00 AM FRIDAY TO 10:00 PM SUNDAY.	<ul style="list-style-type: none">• INSTALL BARRICADES.• INSTALL EROSION AND SEDIMENTATION CONTROL MEASURES.• REMOVE BITUMINOUS PAVEMENT AS REQUIRED WITHIN LIMITS OF WORK.• DEMOLISH TEMPORARY TAXIWAY S1.• PERFORM CLEARING AND GRUBBING.• PERFORM EXCAVATION OF DRAINAGE AREA.• MODIFY EXISTING DRAINAGE STRUCTURES.• PERFORM ELECTRICAL DEMOLITION WORK.• INSTALL TOPSOILING AND SODDING	33 (WORK DAYS) 45 (CALENDAR DAYS)	<ul style="list-style-type: none">• CONSTRUCTION IN THE WORK AREA SHOWN WILL REQUIRE THE CLOSURE OF EXISTING TAXIWAY F EAST OF THE RUNWAY 13 RUNUP AREA AND WEST OF TAXIWAY N, NEW TAXIWAY F EAST OF THE RUNWAY 13 RUNUP AREA AND WEST OF TAXIWAY N, TAXIWAY S NORTH OF NEW TAXIWAY F, TAXIWAY S1, THE EASTERN BAY OF THE RUNWAY 27 RUNUP AREA, AND THE AES AIRFIELD DRIVE. RUNWAY 9-27, RUNWAY 13-31, NEW TAXIWAY F (BEYOND THIS WORK AREA), TAXIWAYS F5, F7, F8, F9 N, D, R, AND S (AFTER DEMOLITION OF TEMPORARY TAXIWAY S1), AND THE WESTERN AND MIDDLE BAYS OF THE RUNWAY 27 RUNUP AREA ARE TO REMAIN OPEN.	<ul style="list-style-type: none">• WORK IN THIS AREA WILL BE PERFORMED SEQUENTIALLY AFTER THE COMPLETION OF PHASE 1 WORK AREA H. THE DEMOLITION OF TEMPORARY TAXIWAY S1 WILL BE PERFORMED IN ONE NIGHT.
PHASE 2B - CONSTRUCTION	8 HOURS PER DAY, SUNDAY THROUGH FRIDAY, 10:00 PM AND 6:00 AM. NEW TAXIWAY F, F7, AND F8 WILL BE FULLY OPENED BETWEEN 6:00 AM AND 10:00 PM MONDAY THROUGH THURSDAY AND 6:00 AM FRIDAY TO 10:00 PM SUNDAY.	<ul style="list-style-type: none">• INSTALL BARRICADES.• INSTALL EROSION AND SEDIMENTATION CONTROL MEASURES.• REMOVE BITUMINOUS PAVEMENT AS REQUIRED WITHIN LIMITS OF WORK.• PERFORM CLEARING AND GRUBBING.• PERFORM EXCAVATION OF DRAINAGE AREA.• MODIFY EXISTING DRAINAGE STRUCTURES.• PERFORM ELECTRICAL DEMOLITION WORK.• INSTALL TOPSOILING AND SODDING	20 (WORK DAYS) 30 (CALENDAR DAYS)	<ul style="list-style-type: none">• CONSTRUCTION IN THE WORK AREA SHOWN WILL REQUIRE THE CLOSURE OF EXISTING TAXIWAY F EAST OF TAXIWAY N AND WEST OF TAXIWAY D, NEW TAXIWAY F EAST OF TAXIWAY N AND WEST OF TAXIWAY D, TAXIWAY F7 AND TAXIWAY F8. RUNWAY 9-27, RUNWAY 13-31, NEW TAXIWAY F (BEYOND THIS WORK AREA), TAXIWAYS F5, F9, N, D, R, AND S, THE RUNWAY 27 RUNUP AREA, AND THE AES AIRFIELD DRIVE ARE TO REMAIN OPEN.	<ul style="list-style-type: none">• WORK IN THIS AREA WILL BE PERFORMED SEQUENTIALLY AFTER THE COMPLETION OF PHASE 1 WORK AREA H. THE DEMOLITION OF TEMPORARY TAXIWAY S1 WILL BE PERFORMED IN ONE NIGHT.
PHASE 2C - CONSTRUCTION	8 HOURS PER DAY, SUNDAY THROUGH FRIDAY, 10:00 PM AND 6:00 AM. NEW TAXIWAY F, F9, AND THE RUNWAY 27 RUNUP AREA WILL BE FULLY OPENED BETWEEN 6:00 AM AND 10:00 PM MONDAY THROUGH THURSDAY AND 6:00 AM FRIDAY TO 10:00 PM SUNDAY	<ul style="list-style-type: none">• INSTALL BARRICADES.• INSTALL EROSION AND SEDIMENTATION CONTROL MEASURES.• REMOVE BITUMINOUS PAVEMENT AS REQUIRED WITHIN LIMITS OF WORK.• PERFORM CLEARING AND GRUBBING.• PERFORM EXCAVATION OF DRAINAGE AREA.• MODIFY EXISTING DRAINAGE STRUCTURES.• PERFORM ELECTRICAL DEMOLITION WORK.• INSTALL TOPSOILING AND SODDING	20 (WORK DAYS) 30 (CALENDAR DAYS)	<ul style="list-style-type: none">• CONSTRUCTION IN THE WORK AREA SHOWN WILL REQUIRE THE CLOSURE OF EXISTING TAXIWAY F EAST OF TAXIWAY D AND WEST OF TAXIWAY R, NEW TAXIWAY F EAST OF TAXIWAY D AND WEST OF TAXIWAY R, TAXIWAY F9, AND THE RUNWAY 27 RUNUP AREA. RUNWAY 9-27, RUNWAY 13-31, NEW TAXIWAY F (BEYOND THIS WORK AREA), TAXIWAYS F5, F7, F8, N, D, R, AND S, AND THE AES AIRFIELD DRIVE ARE TO REMAIN OPEN. WORK	<ul style="list-style-type: none">• WORK IN THIS AREA WILL BE PERFORMED SEQUENTIALLY AFTER THE COMPLETION OF PHASE 2 WORK AREA B.
PHASE 3A - CONSTRUCTION	8 HOURS PER DAY, SUNDAY THROUGH FRIDAY, 10:00 PM AND 6:00 AM. RUNWAY 9-27 AND NEW TAXIWAY F WILL BE FULLY OPENED BETWEEN 6:00 AM AND 10:00 PM MONDAY THROUGH THURSDAY AND 6:00 AM FRIDAY TO 10:00 PM SUNDAY.	<ul style="list-style-type: none">• INSTALL BARRICADES AND RUNWAY CLOSURE MARKERS.• INSTALL EROSION AND SEDIMENTATION CONTROL MEASURES.• REMOVE BITUMINOUS PAVEMENT AS REQUIRED WITHIN LIMITS OF WORK.• MILL BITUMINOUS ASPHALT AS REQUIRED WITHIN LIMITS OF WORK.• PERFORM CLEARING AND GRUBBING.• PERFORM EXCAVATION OF DRAINAGE AREA.• MODIFY EXISTING DRAINAGE STRUCTURES.• PERFORM ELECTRICAL DEMOLITION AND INSTALLATION WORK.• PAVE (P-401) ASPHALT.• GRIND OFF TAXIWAY LEAD IN PAINT MARKINGS.• APPLY TEMPORARY PAINT MARKING.• INSTALL TOPSOILING AND SODDING	20 (WORK DAYS) 30 (CALENDAR DAYS)	<ul style="list-style-type: none">• CONSTRUCTION IN THE WORK AREA SHOWN WILL REQUIRE THE CLOSURE OF RUNWAY 9-27, TAXIWAY N NORTH OF TAXIWAY A, AND TAXIWAY F EAST OF THE AES AIRFIELD DRIVE AND WEST OF TAXIWAY F7, RUNWAY 13-31, NEW TAXIWAY F (BEYOND THIS WORK AREA), TAXIWAYS F5, F7, F8, F9, D, R, AND S, THE RUNWAY 27 RUNUP AREA, AND THE AES AIRFIELD DRIVE ARE TO REMAIN OPEN.	<ul style="list-style-type: none">• WORK IN THIS AREA WILL BE PERFORMED SEQUENTIALLY AFTER THE COMPLETION OF PHASE 2 WORK AREA D.
PHASE 3B - CONSTRUCTION	8 HOURS PER DAY, SUNDAY THROUGH FRIDAY, 10:00 PM AND 6:00 AM. RUNWAY 9-27 AND NEW TAXIWAY F WILL BE FULLY OPENED BETWEEN 6:00 AM AND 10:00 PM MONDAY THROUGH THURSDAY AND 6:00 AM FRIDAY TO 10:00 PM SUNDAY.	<ul style="list-style-type: none">• INSTALL BARRICADES AND RUNWAY CLOSURE MARKERS.• INSTALL EROSION AND SEDIMENTATION CONTROL MEASURES.• REMOVE BITUMINOUS PAVEMENT AS REQUIRED WITHIN LIMITS OF WORK.• MILL BITUMINOUS ASPHALT AS REQUIRED WITHIN LIMITS OF WORK.• PERFORM CLEARING AND GRUBBING.• PERFORM EXCAVATION OF DRAINAGE AREA.• MODIFY EXISTING DRAINAGE STRUCTURES.• PERFORM ELECTRICAL DEMOLITION AND INSTALLATION WORK.• PAVE (P-401) ASPHALT.• GRIND PAINT MARKING.• APPLY TEMPORARY PAINT MARKING.• INSTALL TOPSOILING AND SODDING	20 (WORK DAYS) 30 (CALENDAR DAYS)	<ul style="list-style-type: none">• CONSTRUCTION IN THE WORK AREA SHOWN WILL REQUIRE THE CLOSURE OF RUNWAY 9-27, TAXIWAY D NORTH OF TAXIWAY A, AND TAXIWAY F EAST OF TAXIWAY F8 AND WEST OF TAXIWAY F9. RUNWAY 13-31, NEW TAXIWAY F (BEYOND THIS WORK AREA), TAXIWAYS F5, F7, F8, F9, N, R, AND S, THE RUNWAY 27 RUNUP AREA, AND THE AES AIRFIELD DRIVE ARE TO REMAIN OPEN.	<ul style="list-style-type: none">• WORK IN THIS AREA WILL BE PERFORMED SEQUENTIALLY AFTER THE COMPLETION OF PHASE 3 WORK AREA A.
PHASE 3C - CONSTRUCTION	8 HOURS PER DAY, SUNDAY THROUGH FRIDAY, 10:00 PM AND 6:00 AM. RUNWAY 9-27 WILL BE FULLY OPENED BETWEEN 6:00 AM AND 10:00 PM MONDAY THROUGH THURSDAY AND 6:00 AM FRIDAY TO 10:00 PM SUNDAY.	<ul style="list-style-type: none">• INSTALL BARRICADES AND RUNWAY CLOSURE MARKERS.• INSTALL EROSION AND SEDIMENTATION CONTROL MEASURES.• REMOVE BITUMINOUS PAVEMENT AS REQUIRED WITHIN LIMITS OF WORK.• MILL BITUMINOUS ASPHALT AS REQUIRED WITHIN LIMITS OF WORK.• PERFORM CLEARING AND GRUBBING.• PERFORM EXCAVATION OF DRAINAGE AREA.• PERFORM ELECTRICAL DEMOLITION AND INSTALLATION WORK.• CONSTRUCT SUBGRADE, SUBBASE, AND LIME ROCK COURSES.• PAVE (P-401) ASPHALT.• APPLY TEMPORARY PAINT MARKING.• INSTALL TOPSOILING AND SODDING.	20 (WORK DAYS) 30 (CALENDAR DAYS)	<ul style="list-style-type: none">• CONSTRUCTION IN THE WORK AREA SHOWN WILL REQUIRE THE CLOSURE OF RUNWAY 9-27, TAXIWAY R, AND NEW TAXIWAY F EAST OF THE RUNWAY 27 RUNUP AREA AND WEST OF TAXIWAY S. RUNWAY 13-31, NEW TAXIWAY F (BEYOND THIS WORK AREA), TAXIWAYS F5, F7, F8, F9, N, D, AND S, THE RUNWAY 27 RUNUP AREA, AND THE AES AIRFIELD DRIVE ARE TO REMAIN OPEN.	<ul style="list-style-type: none">• WORK IN THIS AREA WILL BE PERFORMED SEQUENTIALLY AFTER THE COMPLETION OF PHASE 3 WORK AREA B.

NOTES:

- SEE PHASING BAR SCHEDULE ON SHEET C18.
- ASPHALT CURE TIMES MUST NOT BE LESS THAN 30 CALENDAR DAYS.

CALL 48 HOURS BEFORE YOU DIG

IT'S THE LAW! DIAL 811

Know what's below. Call before you dig.

SUNSHINE STATE ONE CALL OF FLORIDA, INC.

CALL 48 HOURS BEFORE DIGGING
FAA FACILITIES 954-356-7212

Kimley-Horn
Kimley-Horn and Associates, Inc.
©2019 KIMLEY-HORN AND ASSOCIATES, INC.
1920 WENONA WAY, SUITE 200, WEST PALM BEACH, FL 33411
FPOE TEL: CA 000000000
044693068

HILLERS ELECTRICAL ENGINEERING, INC.
23297 STATE ROAD 7, SUITE 100
BOCA RATON, FLORIDA 33428
(561) 451-9165 PHONE
(561) 451-4886 FAX

BID SET

PROJECT # 12243
TAXIWAY FOXTROT
RELOCATION PROJECT
PHASING SUMMARY

SHEET NO.	OF
C20	70
TOTAL:	103
CAD FILE:	12243-MULTI-PHAS
DRAWING FILE NO.	4-141-45

ENGINEER:
THOMAS F. O'DONNELL
PROJ. NO: 62476
DATE:

DATE:
04-15-2019
ALB

DESIGNED BY: SCALE:
MM AS NOTED

CHECKED BY:
TFO

FIELD BOOK:

TEL: 561-840-0825
FAX:

CITY of FORT LAUDERDALE

PUBLIC WORKS DEPARTMENT

ENGINEERING & ARCHITECTURE

100 North Andrews Avenue, Fort Lauderdale, Florida 33301

REVISIONS		DESCRIPTION	
NO.	DATE	BY	CHK'D

K:\FTL\AVIATION\044693068 - FXE FOXTROT RELOCATION\CADD\PLANSHEETS\12243-MULTI-PHAS.DWG

PHASING SUMMARY					
PHASE	TIME AVAILABLE	WORK INCLUDED	DURATION	AIRCRAFT MOVEMENT	SEQUENCE
PHASE 3D - CONSTRUCTION	8 HOURS PER DAY, SUNDAY THROUGH FRIDAY, 10:00 PM AND 6:00 AM. RUNWAY 9-27 AND NEW TAXIWAY F WILL BE FULLY OPENED BETWEEN 6:00 AM AND 10:00 PM MONDAY THROUGH THURSDAY AND 6:00 AM FRIDAY TO 10:00 PM SUNDAY.	<ul style="list-style-type: none">• INSTALL BARRICADES AND RUNWAY CLOSURE MARKERS.• INSTALL EROSION AND SEDIMENTATION CONTROL MEASURES.• REMOVE BITUMINOUS PAVEMENT AS REQUIRED WITHIN LIMITS OF WORK.• MILL BITUMINOUS ASPHALT AS REQUIRED WITHIN LIMITS OF WORK.• PERFORM CLEARING AND GRUBBING.• PERFORM EXCAVATION OF DRAINAGE AREA.• PERFORM ELECTRICAL DEMOLITION AND INSTALLATION WORK.• CONSTRUCT SUBGRADE, SUBBASE, AND LIME ROCK COURSES.• PAVE (P-401) ASPHALT.• APPLY TEMPORARY PAINT MARKING.• INSTALL TOPSOILING AND SODDING.	20 (WORK DAYS) 30 (CALENDAR DAYS)	<ul style="list-style-type: none">• CONSTRUCTION IN THE WORK AREA SHOWN WILL REQUIRE THE CLOSURE OF RUNWAY 9-27, TAXIWAY S NORTH OF TAXIWAY A, AND NEW TAXIWAY F EAST OF TAXIWAY R. RUNWAY 13-31, NEW TAXIWAY F (BEYOND THIS WORK AREA), TAXIWAYS F5, F7, F8, F9, N, D, AND R, THE RUNWAY 27 RUNUP AREA, AND THE AES AIRFIELD DRIVE ARE TO REMAIN OPEN.	<ul style="list-style-type: none">• WORK IN THIS AREA WILL BE PERFORMED SEQUENTIALLY AFTER THE COMPLETION OF PHASE 3 WORK AREA C.
PHASE 4 - CONSTRUCTION	8.5 HOURS PER DAY, MONDAY THROUGH FRIDAY, 7:30 AM AND 4:00 PM.	<ul style="list-style-type: none">• INSTALL BARRICADES AND RUNWAY CLOSURE MARKERS AS DIRECTED BY AIRPORT STAFF.• APPLY FINAL PAINT MARKING.• CORRECT EDGE CONDITIONS BY INSTALL FILL ALONG EDGES OF PAVEMENT.• PERFORM ELECTRICAL HOMERUN.• PERFORM PUNCHLIST.	20 (WORK DAYS) 30 (CALENDAR DAYS)	<ul style="list-style-type: none">• CONSTRUCTION IN THE WORK AREA SHOWN WILL REQUIRE THE PERIODIC CLOSURES OF RUNWAY 9-27, NEW TAXIWAY F, TAXIWAYS F7, F8, F9, N, D, R, AND S, THE RUNWAY 27 RUNUP AREA, AND THE AES AIRFIELD DRIVE. THE EXACT LIMITS OF WORK AREAS WILL BE DETERMINED IN THE FILED. RUNWAYS 13-31 IS TO REMAIN OPEN.	<ul style="list-style-type: none">• WORK IN THIS AREA WILL BE PERFORMED A MINIMUM OF 28 DAYS AFTER THE COMPLETION OF PAVING AND SEQUENTIALLY AFTER THE COMPLETION OF PHASE 3 WORK AREA D.

NOTES:

1. SEE PHASING BAR SCHEDULE ON SHEET C18.
2. ASPHALT CURE TIMES MUST NOT BE LESS THAN 30 CALENDAR DAYS.

CALL 48 HOURS BEFORE YOU DIG



IT'S THE LAW!
DIAL 811

Know what's below.
Call before you dig.



SUNSHINE STATE ONE CALL OF FLORIDA, INC.

CALL 48 HOURS BEFORE DIGGING

FAA FACILITIES 954-356-7212

Kimley-Horn
Kimley-Horn and Associates, Inc.
©2019 KIMLEY-HORN AND ASSOCIATES, INC.
1920 WENONA WAY, SUITE 200, WEST PALM BEACH, FL 33411
FPO: TEL: CA 0000000000
044693068

HILLERS ELECTRICAL ENGINEERING, INC.
23297 STATE ROAD 7, SUITE 100
BOCA RATON, FLORIDA 33428
(561) 451-9165 PHONE
(561) 451-4886 FAX

BID SET

PROJECT # 12243
TAXIWAY FOXTROT
RELOCATION PROJECT
PHASING SUMMARY

SHEET NO. OF

C21 70

TOTAL: 103

CAD FILE: 12243-MULTI-PHAS

DRAWING FILE NO. 4-141-45

CITY of FORT LAUDERDALE



PUBLIC WORKS DEPARTMENT

ENGINEERING & ARCHITECTURE

100 North Andrews Avenue, Fort Lauderdale, Florida 33301

DRAWN BY: ALB

DESIGNED BY: MM

CHECKED BY: TFO

DATE: 04-15-2019

SCALE: AS NOTED

FIELD BOOK:

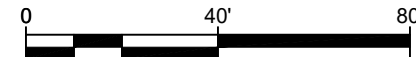
ENGINEER: THOMAS F. O'DONNELL

PROJ. NO: 02476

DATE:

TEL: 561-840-0825

FAX:

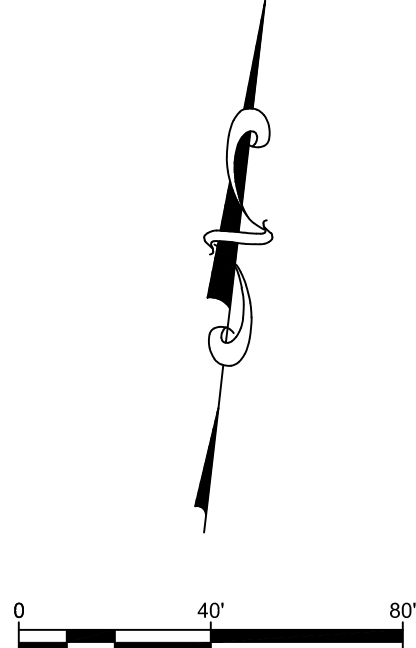
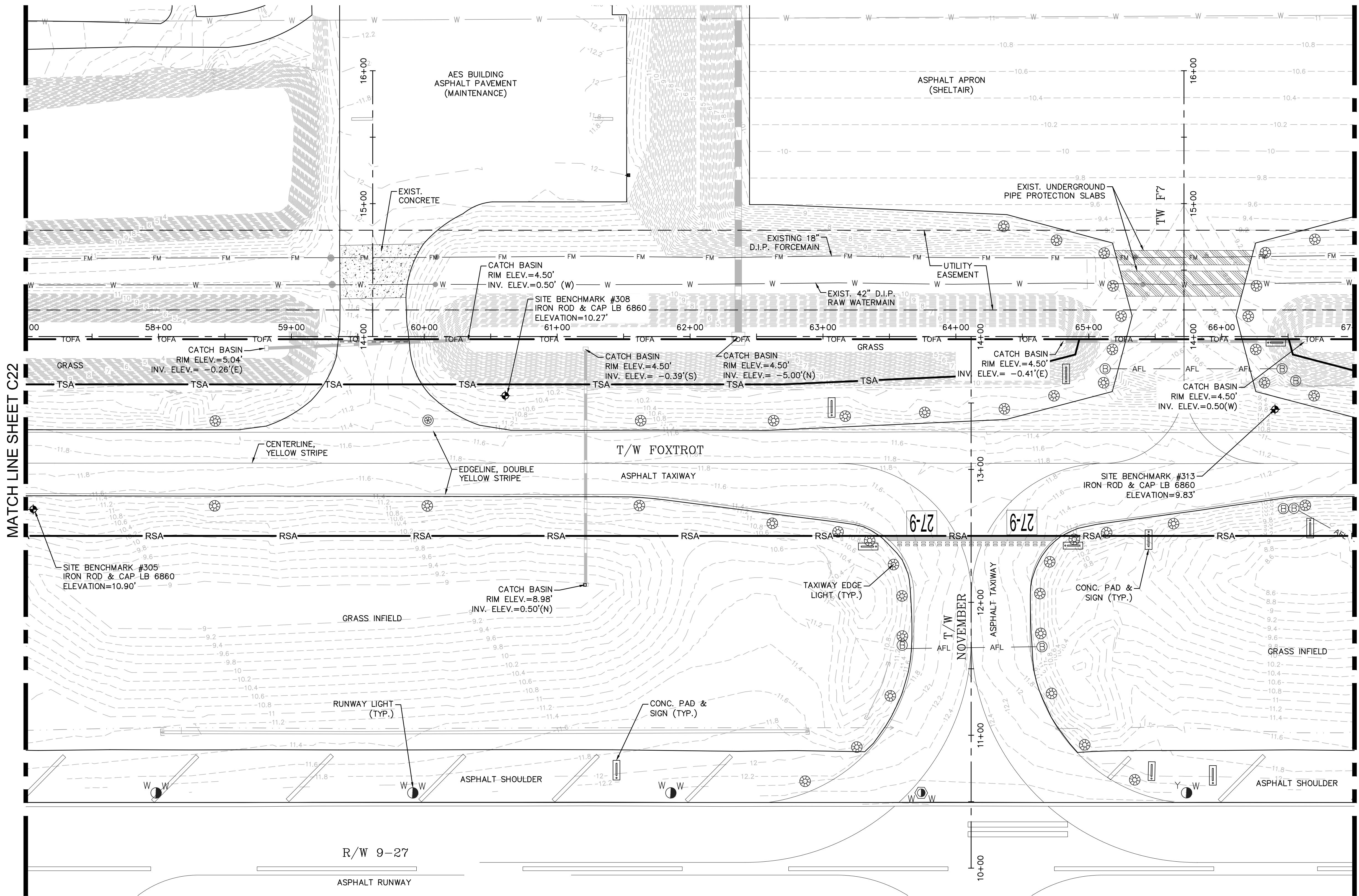


MATCH LINE SHEET C23

BID SET

[illegible]

K:\FL\AVIATION\044693068 - FXE FOXROT RELOCATION\CADD\PLANSHEETS\12243-MULTI-EXST.DWG



LEGEND (SYMBOL)

- BENCHMARK
- AIRFIELD GUIDANCE SIGN
- TAXIWAY LIGHT
- RUNWAY LIGHT
- JUNCTION CAN
- JUNCTION CAN PLAZA
- PULLBOX
- FIBER COMM CABINET
- UTILITY MARKER
- SPOT ELEVATION

LEGEND (LINE TYPE)

- EXISTING CONTOUR
- RUNWAY SAFETY AREA
- TAXIWAY SAFETY AREA
- TAXIWAY OBJECT FREE AREA
- AIRFIELD LIGHTING DUCTBANK
- FAA CABLE/CONDUIT
- FORCE MAIN
- WATER LINE
- FIBER OPTIC
- FLOOD ZONE BOUNDARY

NOTES

- UNDERGROUND UTILITY MAP PROVIDED BY CITY OF FORT LAUDERDALE. ALL LOCATIONS ARE APPROXIMATE. CONTRACTOR TO OBTAIN UNDERGROUND UTILITY LOCATION AS REQUIRED BY LAW. SEE GENERAL NOTES SHEET C01. ALL FACILITIES ARE TO REMAIN EXCEPT WHERE OTHERWISE SHOWN. TAKE CARE DURING CONSTRUCTION TO AVOID DAMAGE TO EXISTING ABOVE GROUND AND UNDERGROUND FACILITIES.
- EXISTING TOPOGRAPHIC INFORMATION FOR TAXIWAY FOXROT/SHOULDERS, TAXIWAY CONNECTORS/SHOULDERS, HOLDING BAY AND SURROUNDING AREAS ARE BASED ON SURVEY PREPARED BY KEITH AND ASSOCIATES FOR THE CITY OF FORT LAUDERDALE, PROJECT # 12243, DATED 2/20/2019. THIS SHEET IS FOR REFERENCE ONLY. CONTRACTOR IS TO REFER TO TOPOGRAPHIC SURVEY PREPARED BY KEITH AND ASSOCIATES FOR ELEVATIONS AND UTILITIES WITHIN SURVEY LIMITS.
- THE HORIZONTAL LOCATIONS OF THE FEATURES SHOWN HEREON ARE RELATIVE TO NORTH AMERICAN DATUM OF 1983 WITH THE CORS96 ADJUSTMENT APPLIED (NAD 83 / CORS96) FLORIDA EAST ZONE. ALL DIMENSIONS SHOWN HEREON ARE IN U.S. SURVEY FEET AND DECIMAL FORMAT THEREOF.
- ELEVATIONS SHOWN HEREON ARE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 1988), BEING DERIVED FROM NATIONAL GEODETIC SURVEY MONUMENT K-235 BENCHMARK DISK, STAMPED K235 1695, AT FORT LAUDERDALE EXECUTIVE AIRPORT, IN SECTION 16, RANGE 42 EAST, TOWNSHIP 49 SOUTH, SET ON THE TOP AND NEAR THE EAST CORNER OF THE CONCRETE FOUNDATION FOR TRACKS FOR DOORS ON THE SOUTHEAST SIDE OF THE MAIN HANGAR, 5.5 FEET SOUTHWEST OF THE EAST CORNER OF THE HANGAR AND ABOUT LEVEL WITH THE BLACKTOP AREA. ELEVATION = 10.70'. THE EXPECTED VERTICAL ACCURACY OF THE ELEVATIONS SHOWN HEREON IS $\pm 0.03'$ FOR HARD SURFACES AND $\pm 0.1'$ FOR SOFT SURFACES.
- EXISTING TOPOGRAPHIC INFORMATION FOR INFIELD AREAS SOUTH OF TAXIWAY FOXROT SHOULD TO NORTH OF RUNWAY 9-27, NORTH OF TAXIWAY FOXROT SHOULD INCLUDING SWALES, AND SHELTAIR APRON/CONNECTORS (UNDER CONSTRUCTION AT TIME OF KEITH AND ASSOCIATES SURVEY) OBTAINED FROM PROJECT PLANS FOR "SHELTAIR NORTHSIDE AT CITY OF FORT LAUDERDALE" PREPARED BY KIMLEY HORN AND ASSOCIATES 09/05/2017.

CALL 48 HOURS BEFORE YOU DIG

IT'S THE LAW!
DIAL 811

Know what's below.
Call before you dig.

SUNSHINE STATE ONE CALL OF FLORIDA, INC.

CALL 48 HOURS BEFORE DIGGING
FAA FACILITIES 954-356-7212

Kimley-Horn
Kimley-Horn and Associates, Inc.
©2019 KIMLEY-HORN AND ASSOCIATES, INC.
1920 WENNA WAY, SUITE 200, WEST PALM BEACH, FL 33411
PHONE: (561) 451-9885 FAX: (561) 451-9886

HILLERS ELECTRICAL ENGINEERING, INC.
23297 STATE ROAD 7, SUITE 100
BOCA RATON, FLORIDA 33428
(561) 451-9885 PHONE
(561) 451-4886 FAX

BID SET

PROJECT # 12243
TAXIWAY FOXROT
RELOCATION PROJECT
EXISTING CONDITIONS

SHEET NO. **C23** OF 70

TOTAL: 103

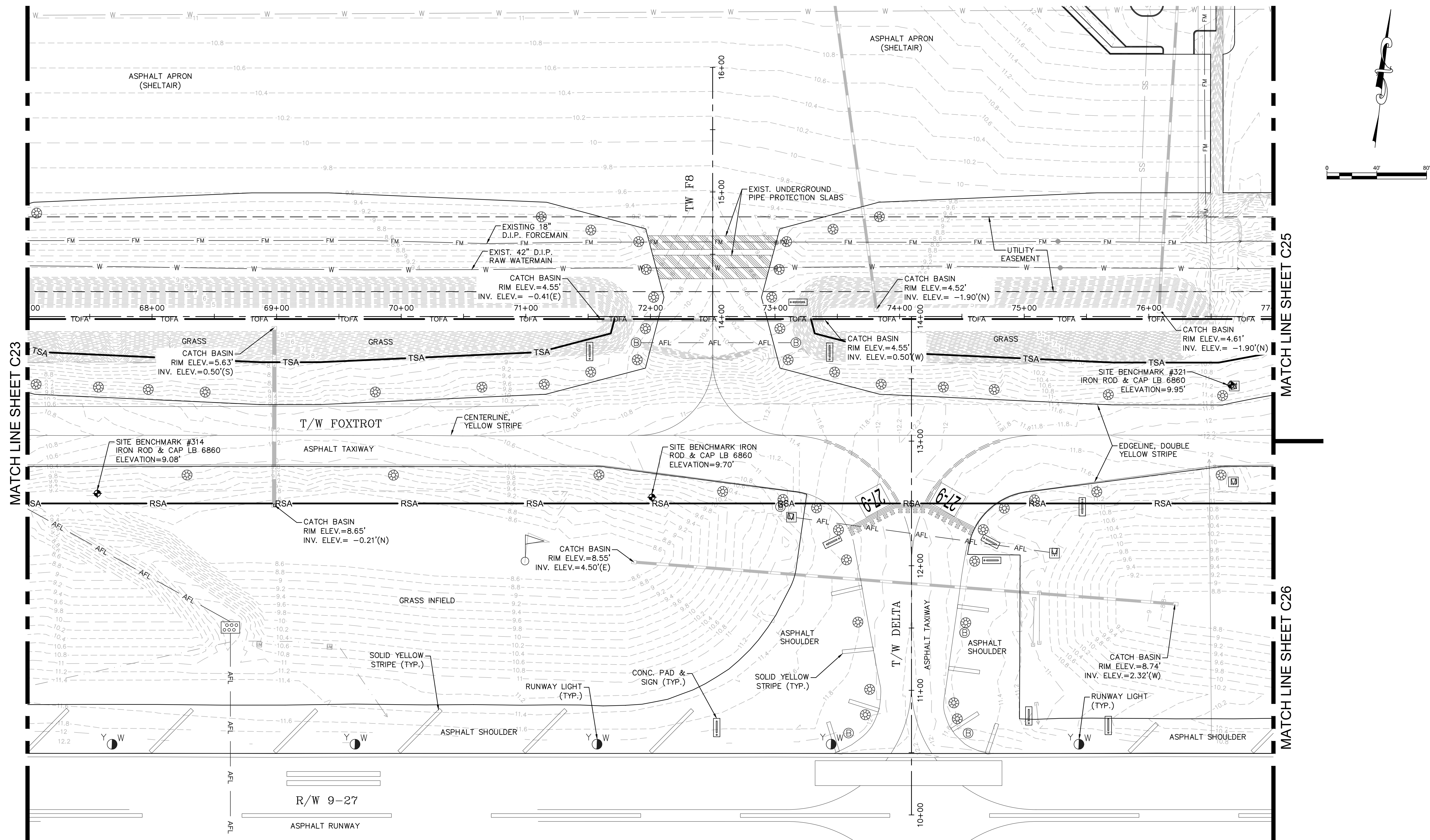
CAD FILE: 12243-MULTI-EXST

DRAWING FILE NO. 4-141-45











ENGINEER: THOMAS F. O'DONNELL
DATE: 04-15-2019
DRAWN BY: ALB
DESIGNED BY: SCALE: AS NOTED
CHECKED BY: MM
TFO
FIELD BOOK: 33301

CITY OF FORT LAUDERDALE
PUBLIC WORKS DEPARTMENT
ENGINEERING & ARCHITECTURE
100 North Andrews Avenue, Fort Lauderdale, Florida 33301

REVISIONS		DESCRIPTION	
NO.	DATE	BY	CHK'D



LEGEND (SYMBOL)

	BENCHMARK
	AIRFIELD GUIDANCE SIGN
	TAXIWAY LIGHT
	RUNWAY LIGHT
	JUNCTION CAN
	JUNCTION CAN PLAZA
	PULLBOX
	FIBER COMM CABINET
	UTILITY MARKER
	SPOT ELEVATION

LEGEND (LINE TYPE)

EXISTING CONTOUR	
RUNWAY SAFETY AREA	RSA
TAXIWAY SAFETY AREA	TSA
TAXIWAY OBJECT FREE AREA	TOFA
AIRFIELD LIGHTING DUCTBANK	AFL
FAA CABLE/CONDUIT	FAA
FORCE MAIN	FM
WATER LINE	W
FIBER OPTIC	FO
FLOOD ZONE BOUNDARY	FZB

NOTES

1. UNDERGROUND UTILITY MAP PROVIDED BY CITY OF FORT LAUDERDALE. ALL LOCATIONS ARE APPROXIMATE. CONTRACTOR TO OBTAIN UNDERGROUND UTILITY LOCATION AS REQUIRED BY LAW. SEE GENERAL NOTES SHEET C01. ALL FACILITIES ARE TO REMAIN EXCEPT WHERE OTHERWISE SHOWN. TAKE CARE DURING CONSTRUCTION TO AVOID DAMAGE TO EXISTING ABOVE GROUND AND UNDERGROUND FACILITIES.
2. EXISTING TOPOGRAPHIC INFORMATION FOR TAXIWAY FOXTOTR/SHOULDERS, TAXIWAY CONNECTORS/SHOULDERS, HOLDING BAY AND SURROUNDING AREAS ARE BASED ON SURVEY PREPARED BY KEITH AND ASSOCIATES FOR THE CITY OF FORT LAUDERDALE, PROJECT # 12243, DATED 2/20/2019. THIS SHEET IS FOR REFERENCE ONLY. CONTRACTOR IS TO REFER TO TOPOGRAPHIC SURVEY PREPARED BY KEITH AND ASSOCIATES FOR ELEVATIONS AND UTILITIES WITHIN SURVEY LIMITS.
3. THE HORIZONTAL LOCATIONS OF THE FEATURES SHOWN HEREON ARE RELATIVE TO NORTH AMERICAN DATUM OF 1983 WITH THE CORS96 ADJUSTMENT APPLIED (NAD 83 / CORS96) FLORIDA EAST ZONE. ALL DIMENSIONS SHOWN HEREON ARE IN U.S. SURVEY FEET AND DECIMAL FORMAT THEREOF.
4. ELEVATIONS SHOWN HEREON ARE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 1988), BEING DERIVED FROM AN ANALYTICAL SURVEY MONUMENT K-235 BENCHMARK DISK, STAMPED 1235 1695, AT FORT LAUDERDALE EXECUTIVE AIRPORT, IN SECTION 16, RANGE 42 EAST, TOWNSHIP 49 SOUTH, SET ON THE TOP AND NEAR THE EAST CORNER OF THE CONCRETE FOUNDATION FOR TRACKS FOR DOORS ON THE SOUTHEAST SIDE OF THE MAIN HANGAR, 5.5 FEET SOUTHWEST OF THE EAST CORNER OF THE HANGAR AND ABOUT LEVEL WITH THE BLACKTOP AREA. ELEVATION = 10.70'. THE EXPECTED VERTICAL ACCURACY OF THE ELEVATIONS SHOWN HEREON IS $\pm 0.03'$ FOR HARD SURFACES AND $\pm 0.1'$ FOR SOFT SURFACES.
5. EXISTING TOPOGRAPHIC INFORMATION FOR INFIELD AREAS SOUTH OF TAXIWAY FOXTOTR SHOULDER TO NORTH OF RUNWAY 9-27, NORTH OF TAXIWAY FOXTOTR SHOULDER INCLUDING SWALES, AND SHELTAIR APRON/CONNECTORS (UNDER CONSTRUCTION AT TIME OF KEITH AND ASSOCIATES SURVEY) OBTAINED FROM PROJECT PLANS FOR "SHELTAIR NORTHSIDE AT CITY OF FORT LAUDERDALE" PREPARED BY KIMLEY HORN AND ASSOCIATES 09/05/2017.

**CALL 48 HOURS
BEFORE YOU DIG**

**IT'S THE LAW!
DIAL 811**

**Know what's below.
Call before you dig.**

SUNSHINE STATE ONE CALL OF FLORIDA, INC.

**CALL 48 HOURS BEFORE DIGGING
FAA FACILITIES 954-356-7212**

Kimley-Horn
Kimley-Horn and Associates, Inc.
©2010 KIMLEY-HORN AND ASSOCIATES, INC.
1920 WEDDIE WAY, SUITE 200, WEST PALM BEACH, FL 33411
FBIPE No. CA 00000696
N/A/00000000

**HILLERS ELECTRICAL
ENGINEERING, INC.**
23257 STATE ROAD 7, SUITE 100
BOCA RATON, FLORIDA 33428
(561) 451-9165 PHONE
(561) 451-4886 FAX

BID SET

**PROJECT # 12243
TAXIWAY FOXTROT
RELOCATION PROJECT
EXISTING CONDITIONS**

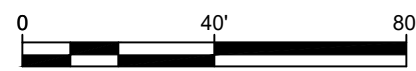
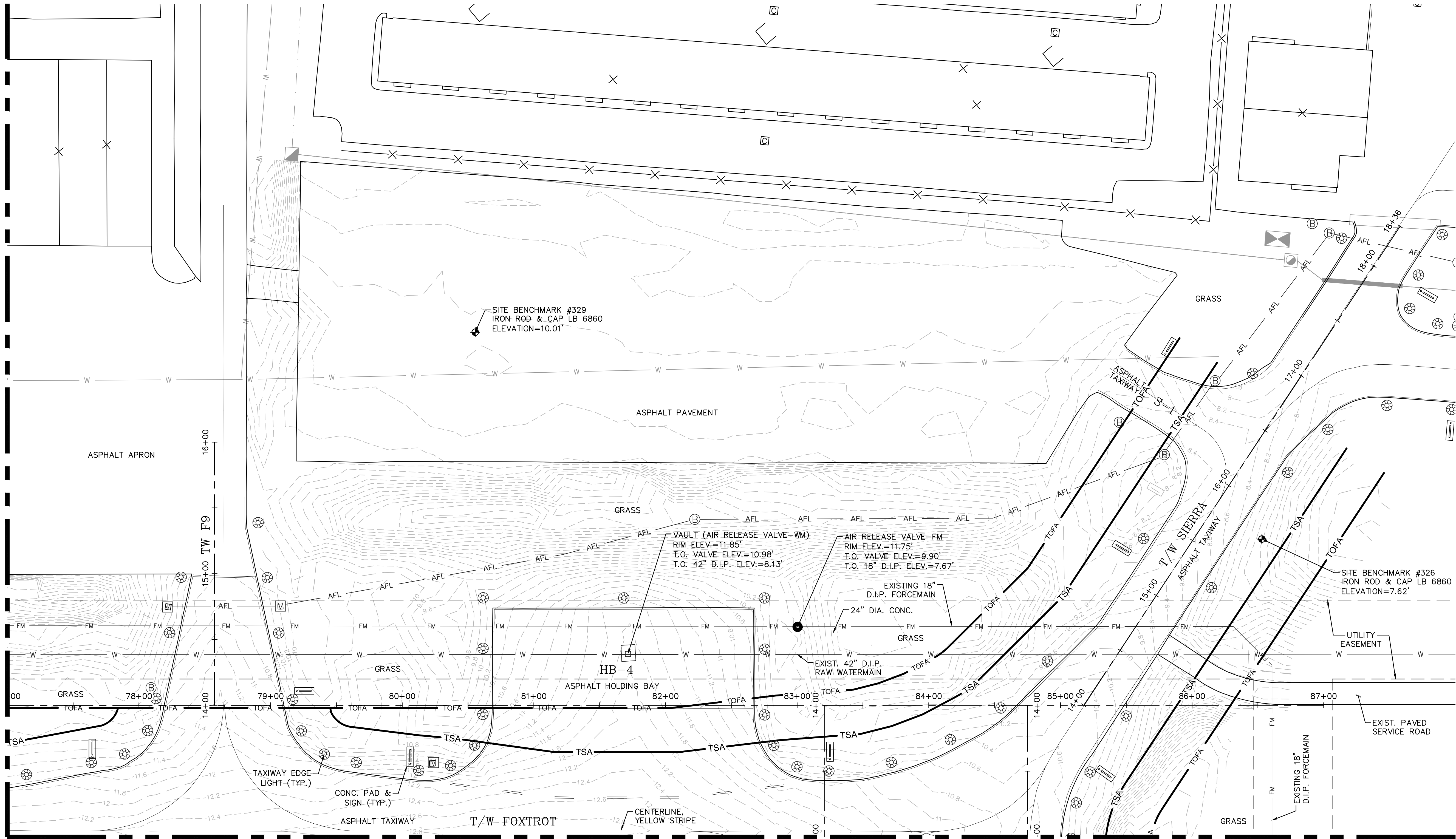
SHEET NO.	OF
C24	70
TOTAL: 103	
CAD FILE: 12243-MULTI-EXST	
DRAWING FILE NO. 4-141-45	

REVISIONS				
NO.	DATE	BY	CHK'D	DESCRIPTION

 <p>CITY OF FORT LAUDERDALE PUBLIC WORKS DEPARTMENT ENGINEERING & ARCHITECTURE</p> <p>100 North Andrews Avenue, Fort Lauderdale, Florida 33301</p>	ENGINEER: THOMAS F. O'DONNELL REC. No. 62478	
	DATE: 04-15-2019	DATE:
	DRAWN BY: ALB	DESIGNED BY: SCALE:
	CHECKED BY: TFO	AS NOTED
FIELD BOOK:		

K:\FL Aviation\044693068 - FXE FOXTROT RELOCATION\CADD\PLANSHEETS\12243-MULTI-EXST.DWG

MATCH LINE SHEET C24



LEGEND (SYMBOL)

	BENCHMARK
	AIRFIELD GUIDANCE SIGN
	TAXIWAY LIGHT
	RUNWAY LIGHT
	JUNCTION CAN
	JUNCTION CAN PLAZA
	PULLBOX
	FIBER COMM CABINET
	UTILITY MARKER
	SPOT ELEVATION

LEGEND (LINE TYPE)

	EXISTING CONTOUR
	RUNWAY SAFETY AREA
	TAXIWAY SAFETY AREA
	TAXIWAY OBJECT FREE AREA
	AIRFIELD LIGHTING DUCTBANK
	FAA CABLE/CONDUIT
	FORCE MAIN
	WATER LINE
	FIBER OPTIC
	FLOOD ZONE BOUNDARY

NOTES

- UNDERGROUND UTILITY MAP PROVIDED BY CITY OF FORT LAUDERDALE. ALL LOCATIONS ARE APPROXIMATE. CONTRACTOR TO OBTAIN UNDERGROUND UTILITY LOCATION AS REQUIRED BY LAW. SEE GENERAL NOTES SHEET C01. ALL FACILITIES ARE TO REMAIN EXCEPT WHERE OTHERWISE SHOWN. TAKE CARE DURING CONSTRUCTION TO AVOID DAMAGE TO EXISTING ABOVE GROUND AND UNDERGROUND FACILITIES.
- EXISTING TOPOGRAPHIC INFORMATION FOR TAXIWAY FOXTROT/SHOULDERS, TAXIWAY CONNECTORS/SHOULDERS, HOLDING BAY AND SURROUNDING AREAS ARE BASED ON SURVEY PREPARED BY KEITH AND ASSOCIATES FOR THE CITY OF FORT LAUDERDALE, PROJECT # 12243, DATED 2/20/2019. THIS SHEET IS FOR REFERENCE ONLY. CONTRACTOR IS TO REFER TO TOPOGRAPHIC SURVEY PREPARED BY KEITH AND ASSOCIATES FOR ELEVATIONS AND UTILITIES WITHIN SURVEY LIMITS.
- THE HORIZONTAL LOCATIONS OF THE FEATURES SHOWN HEREON ARE RELATIVE TO NORTH AMERICAN DATUM OF 1983 WITH THE CORS96 ADJUSTMENT APPLIED (NAD 83 / CORS96) FLORIDA EAST ZONE. ALL DIMENSIONS SHOWN HEREON ARE IN U.S. SURVEY FEET AND DECIMAL FORMAT THEREOF.
- ELEVATIONS SHOWN HEREON ARE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 1988), BEING DERIVED FROM NATIONAL GEODETIC SURVEY MONUMENT K-235 BENCHMARK DISK, STAMPED K235 1695, AT FORT LAUDERDALE EXECUTIVE AIRPORT, IN SECTION 16, RANGE 42 EAST, TOWNSHIP 49 SOUTH, SET ON THE TOP AND NEAR THE EAST CORNER OF THE CONCRETE FOUNDATION FOR TRACKS FOR DOORS ON THE SOUTHEAST SIDE OF THE MAIN HANGAR, 5.5 FEET SOUTHWEST OF THE EAST CORNER OF THE HANGAR AND ABOUT LEVEL WITH THE BLACKTOP AREA. ELEVATION = 10.70'. THE EXPECTED VERTICAL ACCURACY OF THE ELEVATIONS SHOWN HEREON IS $\pm 0.03'$ FOR HARD SURFACES AND $\pm 0.1'$ FOR SOFT SURFACES.
- EXISTING TOPOGRAPHIC INFORMATION FOR INFIELD AREAS SOUTH OF TAXIWAY FOXTROT SHOULDER TO NORTH OF RUNWAY 9-27, NORTH OF TAXIWAY FOXTROT SHOULDER INCLUDING SWALES, AND SHELTAIR APRON/CONNECTORS (UNDER CONSTRUCTION AT TIME OF KEITH AND ASSOCIATES SURVEY) OBTAINED FROM PROJECT PLANS FOR "SHELTAIR NORTHSIDE AT CITY OF FORT LAUDERDALE" PREPARED BY KIMLEY HORN AND ASSOCIATES 09/05/2017.

CALL 48 HOURS
BEFORE YOU DIG

IT'S THE LAW!
DIAL 811



CALL 48 HOURS BEFORE DIGGING
FAA FACILITIES 954-356-7212

Kimley-Horn
Kimley-Horn and Associates, Inc.
©2019 KIMLEY-HORN AND ASSOCIATES, INC.
1920 WENONA WAY, SUITE 200, WEST PALM BEACH, FL 33411
(561) 451-9165 PHONE
(561) 451-4886 FAX

HILLERS ELECTRICAL
ENGINEERING, INC.
23297 STATE ROAD 7, SUITE 100
BOCA RATON, FLORIDA 33428
(561) 451-9165 PHONE
(561) 451-4886 FAX

BID SET

PROJECT # 12243
TAXIWAY FOXTROT
RELOCATION PROJECT
EXISTING CONDITIONS

SHEET NO.	OF
C25	70
TOTAL:	103
CAD FILE:	12243-MULTI-EXST
DRAWING FILE NO.	4-141-45

ENGINEER:
THOMAS F. O'DONNELL
Lic. No. 62476
DATE:

DRAWN BY:
ALB
04-15-2019

DESIGNED BY:
MM
AS NOTED

CHECKED BY:
TFO

FIELD BOOK:

CITY OF FORT LAUDERDALE
PUBLIC WORKS DEPARTMENT
ENGINEERING & ARCHITECTURE

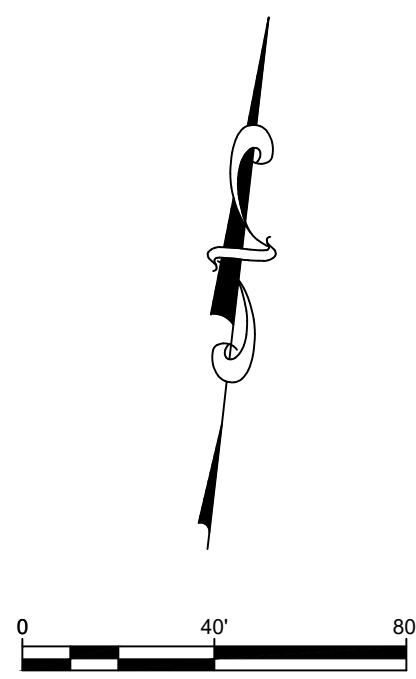
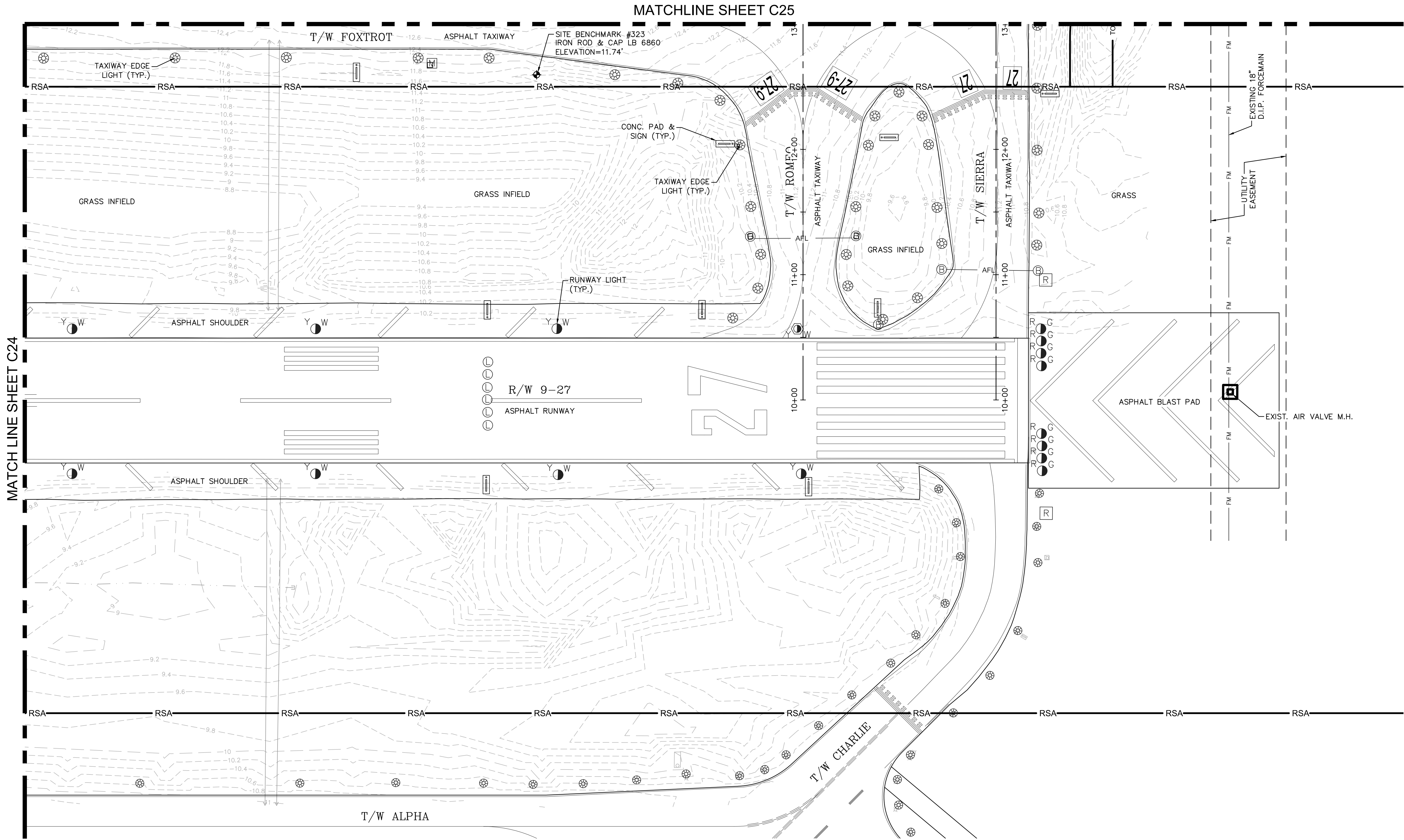


100 North Andrews Avenue, Fort Lauderdale, Florida 33301

NO.	DATE	BY	CHK'D	DESCRIPTION

City of Fort Lauderdale

K:\FLT\AVIATION\044693068 - FXE FOXROT RELOCATION\CADD\PLANSHEETS\12243-MULTI-EXST.DWG



LEGEND (SYMBOL)

- BENCHMARK
- AIRFIELD GUIDANCE SIGN
- TAXIWAY LIGHT
- RUNWAY LIGHT
- JUNCTION CAN
- JUNCTION CAN PLAZA
- PULLBOX
- FIBER COMM CABINET
- UTILITY MARKER
- SPOT ELEVATION

LEGEND (LINE TYPE)

- EXISTING CONTOUR
- RSA RUNWAY SAFETY AREA
- TSA TAXIWAY SAFETY AREA
- TOFA TAXIWAY OBJECT FREE AREA
- AFL AIRFIELD LIGHTING DUCTBANK
- FAA FAA CABLE/CONDUIT
- FM FORCE MAIN
- W WATER LINE
- FO FIBER OPTIC
- FZB FLOOD ZONE BOUNDARY

NOTES

- UNDERGROUND UTILITY MAP PROVIDED BY CITY OF FORT LAUDERDALE. ALL LOCATIONS ARE APPROXIMATE. CONTRACTOR TO OBTAIN UNDERGROUND UTILITY LOCATION AS REQUIRED BY LAW. SEE GENERAL NOTES SHEET C01. ALL FACILITIES ARE TO REMAIN EXCEPT WHERE OTHERWISE SHOWN. TAKE CARE DURING CONSTRUCTION TO AVOID DAMAGE TO EXISTING ABOVE GROUND AND UNDERGROUND FACILITIES.
- EXISTING TOPOGRAPHIC INFORMATION FOR TAXIWAY FOXTROT/SHOULDERS, TAXIWAY CONNECTORS/SHOULDERS, HOLDING BAY AND SURROUNDING AREAS ARE BASED ON SURVEY PREPARED BY KEITH AND ASSOCIATES FOR THE CITY OF FORT LAUDERDALE, PROJECT # 12243, DATED 2/20/2019. THIS SHEET IS FOR REFERENCE ONLY. CONTRACTOR IS TO REFER TO TOPOGRAPHIC SURVEY PREPARED BY KEITH AND ASSOCIATES FOR ELEVATIONS AND UTILITIES WITHIN SURVEY LIMITS.
- THE HORIZONTAL LOCATIONS OF THE FEATURES SHOWN HEREON ARE RELATIVE TO NORTH AMERICAN DATUM OF 1983 WITH THE CORS96 ADJUSTMENT APPLIED (NAD 83 / CORS96) FLORIDA EAST ZONE. ALL DIMENSIONS SHOWN HEREON ARE IN U.S. SURVEY FEET AND DECIMAL FORMAT THEREOF.
- ELEVATIONS SHOWN HEREON ARE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 1988), BEING DERIVED FROM NATIONAL GEODETIC SURVEY MONUMENT K-235 BENCHMARK DISK, STAMPED K235 1695, AT FORT LAUDERDALE EXECUTIVE AIRPORT, IN SECTION 16, RANGE 42 EAST, TOWNSHIP 49 SOUTH, SET ON THE TOP AND NEAR THE EAST CORNER OF THE CONCRETE FOUNDATION FOR TRACKS FOR DOORS ON THE SOUTHEAST SIDE OF THE MAIN HANGAR, 5.5 FEET SOUTHWEST OF THE EAST CORNER OF THE HANGAR AND ABOUT LEVEL WITH THE BLACKTOP AREA. ELEVATION = 10.70'. THE EXPECTED VERTICAL ACCURACY OF THE ELEVATIONS SHOWN HEREON IS $\pm 0.03'$ FOR HARD SURFACES AND $\pm 0.1'$ FOR SOFT SURFACES.
- EXISTING TOPOGRAPHIC INFORMATION FOR INFIELD AREAS SOUTH OF TAXIWAY FOXTROT SHOULDERS TO NORTH OF RUNWAY 9-27, NORTH OF TAXIWAY FOXTROT SHOULDERS INCLUDING SWALES, AND SHELTAIR APRON/CONNECTORS (UNDER CONSTRUCTION AT TIME OF KEITH AND ASSOCIATES SURVEY) OBTAINED FROM PROJECT PLANS FOR "SHELTAIR NORTHSIDE AT CITY OF FORT LAUDERDALE" PREPARED BY KIMLEY HORN AND ASSOCIATES 09/05/2017.

CALL 48 HOURS BEFORE YOU DIG

IT'S THE LAW! DIAL 811



SUNSHINE STATE ONE CALL OF FLORIDA, INC.
CALL 48 HOURS BEFORE DIGGING
FAA FACILITIES 954-356-7212

Kimley-Horn
Kimley-Horn and Associates, Inc.
©2019 KIMLEY-HORN AND ASSOCIATES, INC.
1920 WENONA WAY, SUITE 200, WEST PALM BEACH, FL 33411
PHONE: 561-855-8888 FAX: 561-855-8888

HILLERS ELECTRICAL
ENGINEERING, INC.
23257 STATE ROAD 7, SUITE 100
BOCA RATON, FLORIDA 33428
(561) 451-9165 PHONE
(561) 451-4886 FAX

BID SET

PROJECT # 12243
TAXIWAY FOXTROT
RELOCATION PROJECT
EXISTING CONDITIONS

SHEET NO.	OF
C26	70
TOTAL:	103
CAD FILE:	12243-MULTI-EXST
DRAWING FILE NO.	4-141-45

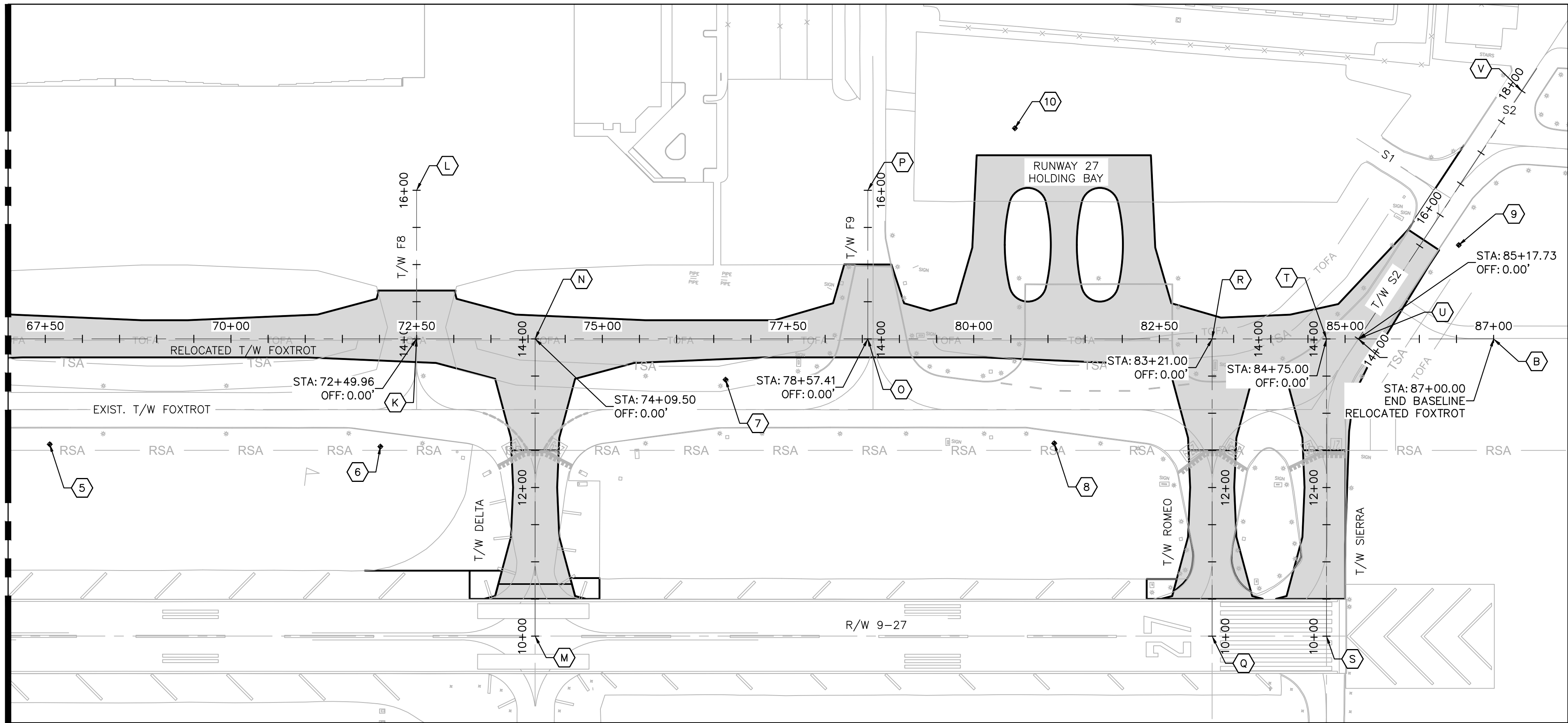
ENGINEER:
THOMAS F. O'DONNELL
PROJ. NO. 62476
DATE:

DRAWN BY: ALB
DATE: 04-15-2019
DESIGNED BY: SCALE: AS NOTED
CHECKED BY: TFO
FIELD BOOK:

CITY OF FORT LAUDERDALE
PUBLIC WORKS DEPARTMENT
ENGINEERING & ARCHITECTURE
100 North Andrews Avenue, Fort Lauderdale, Florida 33301

NO.	DATE	BY	CHK'D	REVISIONS	DESCRIPTION

MATCH LINE THIS SHEET



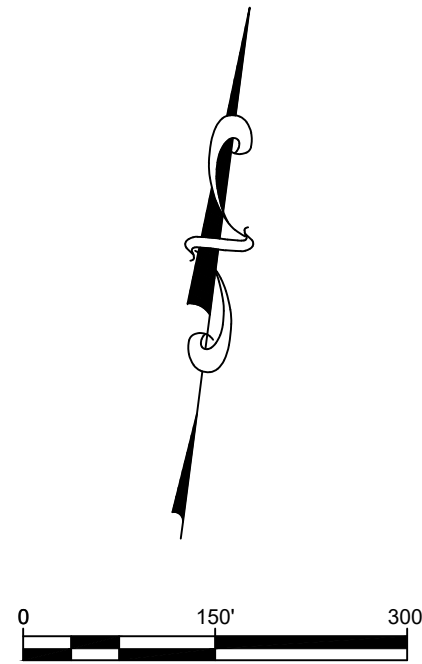
LEGEND

- CONTROL POINT NUMBER
- RELOCATED TAXIWAY FOXTROT

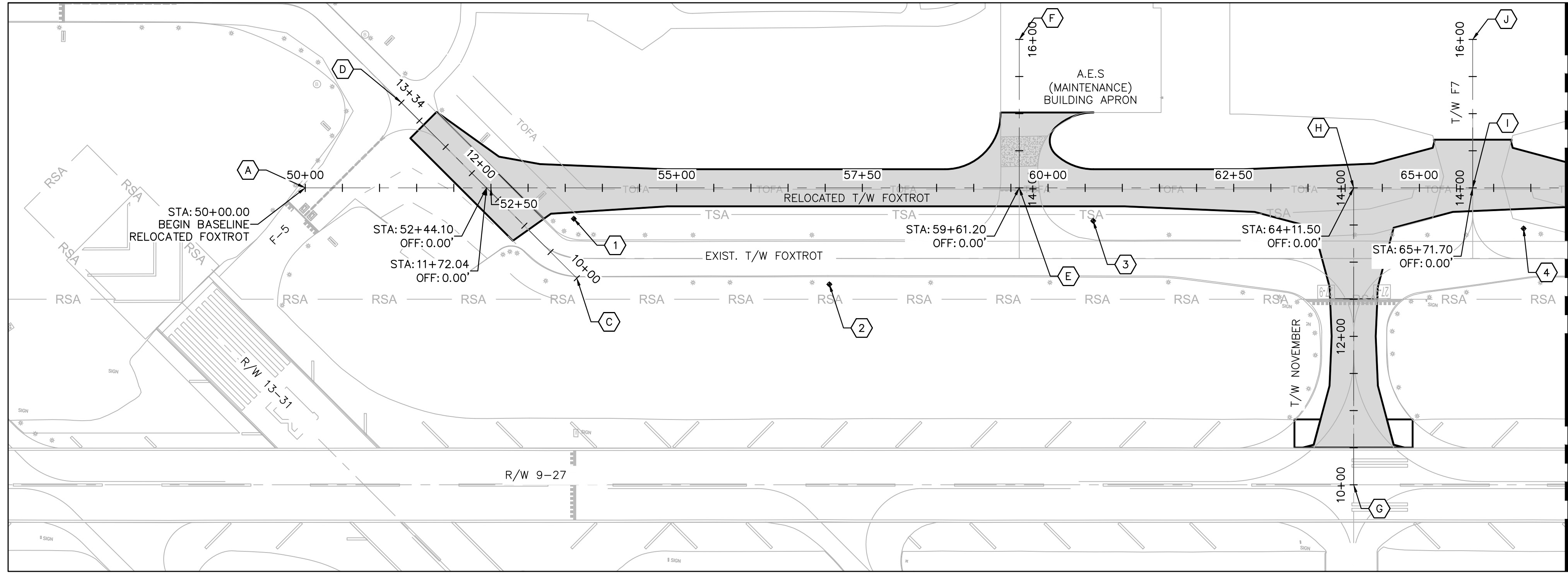
DATUM: VERTICAL ELEVATIONS ARE REFERENCED TO THE NAVD OF 1988
HORIZONTAL LOCATIONS ARE REFERENCED TO THE NAD OF 1983/CORS96

NOTES:

- DRAWING BASED ON SURVEY PREPARED BY KEITH & ASSOCIATES INC. FOR THE CITY OF FORT LAUDERDALE, DATE: FEBRUARY 20, 2019.
- THE HORIZONTAL LOCATIONS OF THE FEATURES SHOWN HEREON ARE RELATIVE TO NORTH AMERICAN DATUM OF 1983 WITH THE CORS96 ADJUSTMENT APPLIED (NAD 83 / CORS96) FLORIDA EAST ZONE. ALL DIMENSIONS SHOWN HEREON ARE IN U.S. SURVEY FEET AND DECIMAL FORMAT THEREOF.
- ELEVATIONS SHOWN HEREON ARE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 1988), BEING DERIVED FROM NATIONAL GEODETIC SURVEY MONUMENT K-235 BENCHMARK DISK, STAMPED K235 1695, AT FORT LAUDERDALE EXECUTIVE AIRPORT, IN SECTION 16, RANGE 42 EAST, TOWNSHIP 49 SOUTH, SET ON THE TOP AND NEAR THE EAST CORNER OF THE CONCRETE FOUNDATION FOR TRACKS FOR DOORS ON THE SOUTHEAST SIDE OF THE MAIN HANGAR, 5.5 FEET SOUTHWEST OF THE EAST CORNER OF THE HANGAR AND ABOUT LEVEL WITH THE BLACKTOP AREA. ELEVATION = 10.70'. THE EXPECTED VERTICAL ACCURACY OF THE ELEVATIONS SHOWN HEREON IS ±0.03' FOR HARD SURFACES AND ±0.1' FOR SOFT SURFACES.
- PRIOR TO ANY DEMOLITION OR CONSTRUCTION, THE CONTRACTOR SHALL VERIFY THE ACCURACY OF ALL CONTROL POINTS. ANY DISCREPANCIES WILL BE IMMEDIATELY REPORTED TO THE ENGINEER.



MATCH LINE THIS SHEET



HORIZONTAL AND VERTICAL CONTROL				
POINT NO.	NORTHING	EASTING	ELEVATION	DESCRIPTION
1	679033.08	927568.14	9.95'	SITE BENCHMARK #300 IRON ROD & CAP LB 6860
2	678984.77	927920.08	10.90'	SITE BENCHMARK #305 IRON ROD & CAP LB 6860
3	679110.42	928263.13	10.27'	SITE BENCHMARK #308 IRON ROD & CAP LB 6860
4	679093.32	928964.95	9.83'	SITE BENCHMARK #313 IRON ROD & CAP LB 6860
5	679141.25	929407.51	9.08'	SITE BENCHMARK #314 IRON ROD & CAP LB 6860
6	679284.00	929858.84	9.70'	SITE BENCHMARK IRON ROD & CAP LB 6860
7	679249.69	930308.22	9.95'	SITE BENCHMARK #321 IRON ROD & CAP LB 6860
8	679577.15	930818.67	11.74'	SITE BENCHMARK #373 IRON ROD & CAP LB 6860
9	679664.86	930206.98	7.62'	SITE BENCHMARK #326 IRON ROD & CAP LB 6860
10	679664.86	930206.98	10.01'	SITE BENCHMARK #329 NAIL & DISK LB 6860
A	679033.04	927204.17	N/A	STA. 50+00 RELOCATED T/W FOXTROT BEGIN CENTERLINE CONST.
B	679457.06	930879.79	N/A	STA. 87+00 RELOCATED T/W FOXTROT END CENTERLINE CONST.
C	678953.99	927581.35	N/A	STA. 10+00 EXISTING T/W FOXTROT BEGIN CENTERLINE CONST.
D	679161.90	927319.68	N/A	STA. 13+34 EXISTING T/W FOXTROT END CENTERLINE CONST.
E	679143.19	928159.03	N/A	STA. 14+00 MAINTENANCE BLDG. APRON BEGIN CENTERLINE CONST.
F	679341.88	928136.11	N/A	STA. 16+00 MAINTENANCE BLDG. APRON END CENTERLINE CONST.
G	678797.43	928652.21	N/A	STA. 10+00 T/W NOVEMBER BEGIN CENTERLINE CONST.
H	679194.80	928606.37	N/A	STA. 14+00 T/W NOVEMBER END CENTERLINE CONST.
I	679213.16	928765.52	N/A	STA. 14+00 T/W F7 BEGIN CENTERLINE CONST.
J	679411.84	928742.60	N/A	STA. 16+00 T/W F7 END CENTERLINE CONST.
K	679290.89	929439.34	N/A	STA. 14+00 T/W F8 BEGIN CENTERLINE CONST.
L	679489.57	929416.38	N/A	STA. 16+00 T/W F8 END CENTERLINE CONST.
M	678911.80	929643.63	N/A	STA. 10+00 T/W DELTA BEGIN CENTERLINE CONST.
N	679309.17	929597.79	N/A	STA. 14+00 T/W DELTA END CENTERLINE CONST.
O	679360.50	930042.75	N/A	STA. 14+00 T/W F9 BEGIN CENTERLINE CONST.
P	679559.18	930019.83	N/A	STA. 16+00 T/W F9 END CENTERLINE CONST.
Q	679016.26	930549.13	N/A	STA. 10+00 T/W ROMEO BEGIN CENTERLINE CONST.
R	679413.63	930503.29	N/A	STA. 14+00 T/W ROMEO END CENTERLINE CONST.
S	679033.91	930702.11	N/A	STA. 10+00 T/W SIERRA BEGIN CENTERLINE CONST.
T	679431.28	930656.27	N/A	STA. 14+00 T/W SIERRA END CENTERLINE CONST.
U	679436.17	930698.72	N/A	STA. 14+00 T/W S2 BEGIN CENTERLINE CONST.
V	679793.31	930878.86	N/A	STA. 18+00 T/W S2 END CENTERLINE CONST.

CALL 48 HOURS BEFORE YOU DIG

IT'S THE LAW!
DIAL 811

SUNSHINE STATE ONE CALL OF FLORIDA, INC.

CALL 48 HOURS BEFORE DIGGING
FAA FACILITIES 954-356-7212

Know what's below.
Call before you dig.

Kimley-Horn
Kimley-Horn and Associates, Inc.
23257 STATE ROAD 7, SUITE 100
BOCA RATON, FLORIDA 33488
(561) 451-9165 PHONE
(561) 451-4886 FAX

HILLERS ELECTRICAL
ENGINEERING, INC.
23257 STATE ROAD 7, SUITE 100
BOCA RATON, FLORIDA 33488
(561) 451-9165 PHONE
(561) 451-4886 FAX

BID SET

PROJECT # 12243
TAXIWAY FOXTROT
RELOCATION PROJECT
PROJECT LAYOUT-SURVEY CONTROL

SHEET NO.	OF
C27	70
TOTAL:	103
CAD FILE:	12243-C27-LOUT
DRAWING FILE NO.	4-141-45

ENGINEER:
THOMAS F. O'DONNELL
Lic. No. 62476
DATE:

DRAWN BY:
ALB
04-15-2019

DESIGNED BY:
MM
AS NOTED

CHECKED BY:
TFO

FIELD BOOK:

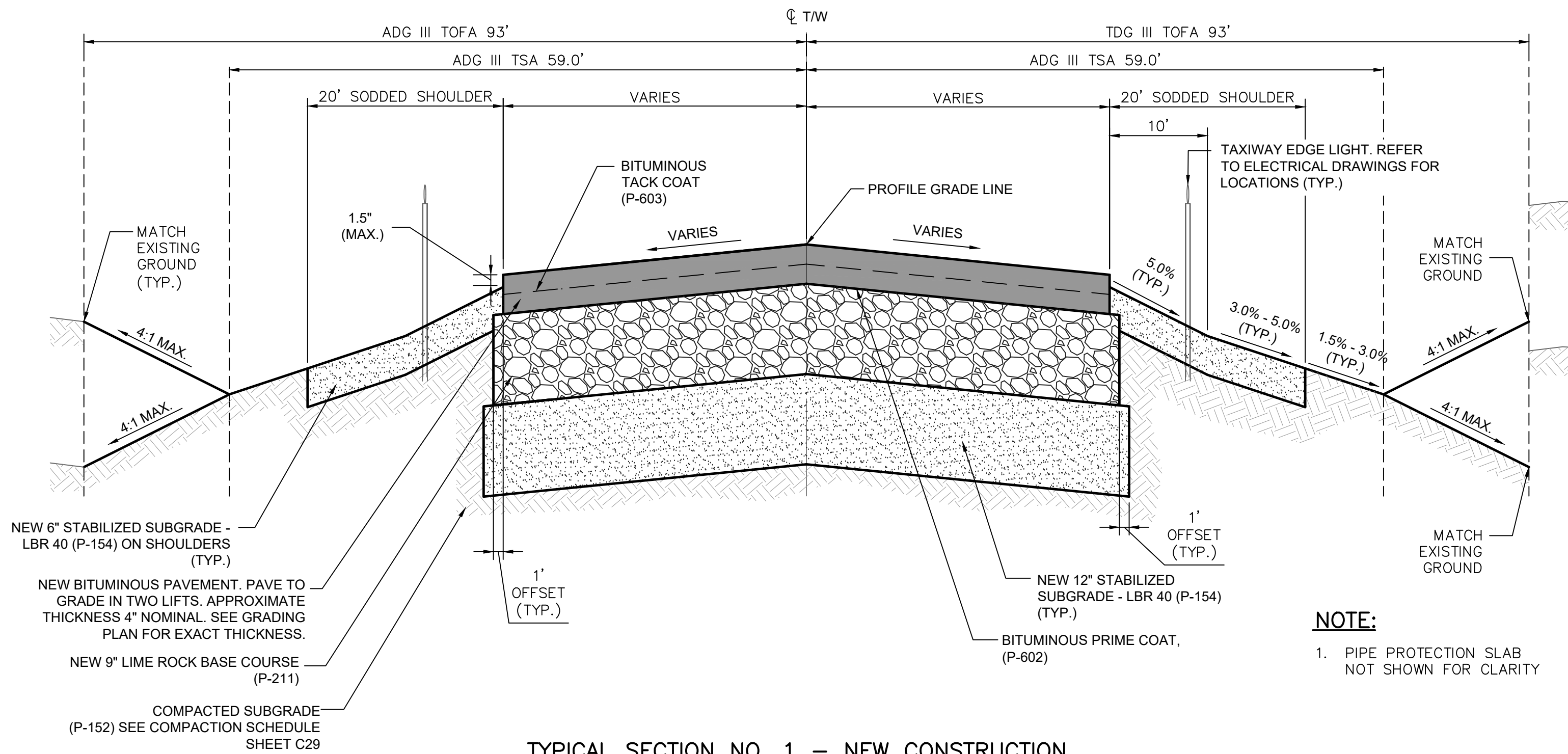
CITY OF FORT LAUDERDALE
PUBLIC WORKS DEPARTMENT
ENGINEERING & ARCHITECTURE
100 North Andrews Avenue, Fort Lauderdale, Florida 33301

REVISIONS		DESCRIPTION
NO.	DATE	BY

12/20/2019 8:14 AM

K:\FTL\AVIATION\044693068 - FXE FOXTROT RELOCATION\CADD\PLANSHEETS\12243-MULTI-SECS.DWG

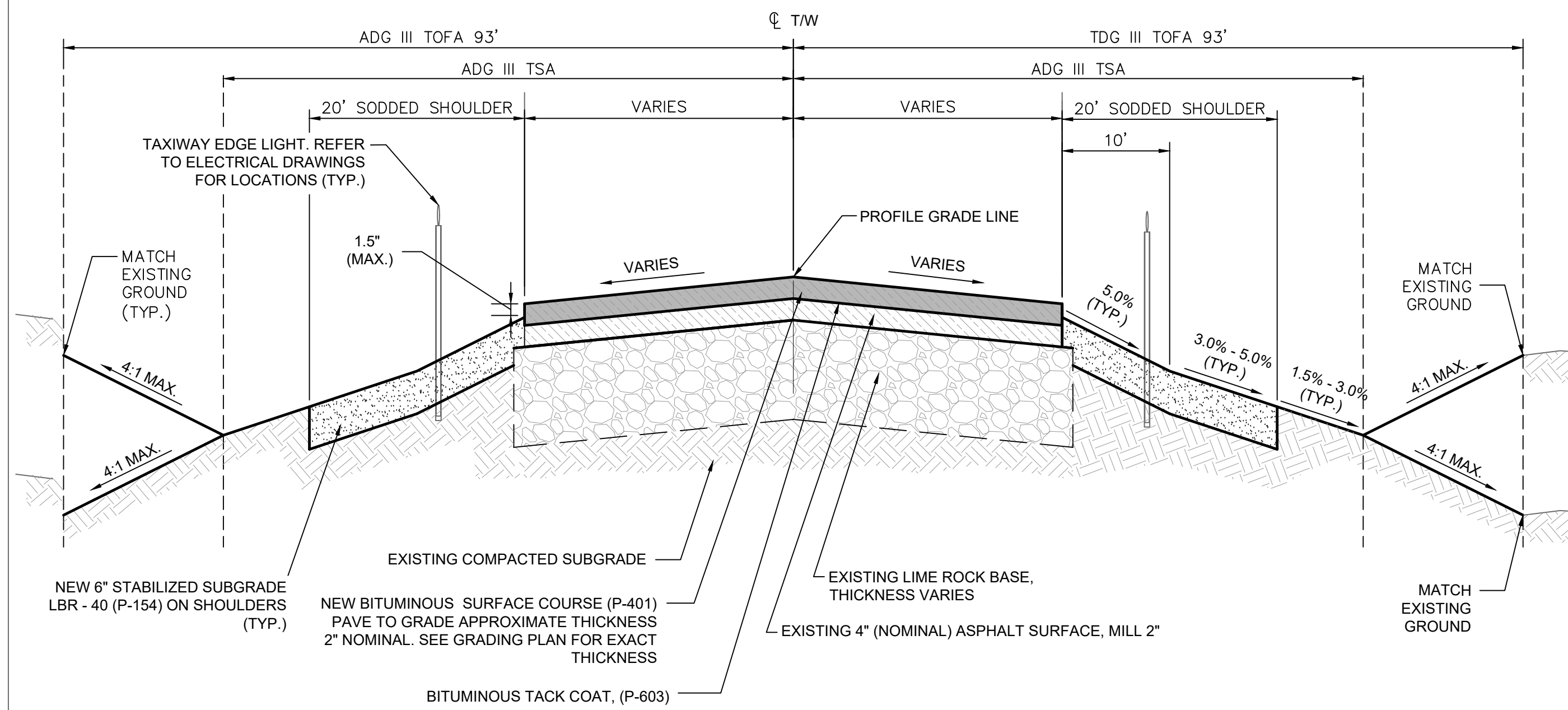
p. 620



TYPICAL SECTION NO. 1 – NEW CONSTRUCTION
TAXIWAYS FOXTROT (STA. 52+00 TO STA. 85+00),
NOVEMBER (STA. 12+50.00 TO STA. 14+00),
DELTA (STA. 12+50.00 TO STA. 14+00),
ROMEO (STA. 12+50.00 TO STA. 14+00),
SIERRA (STA. 12+50.00 TO STA. 14+00).

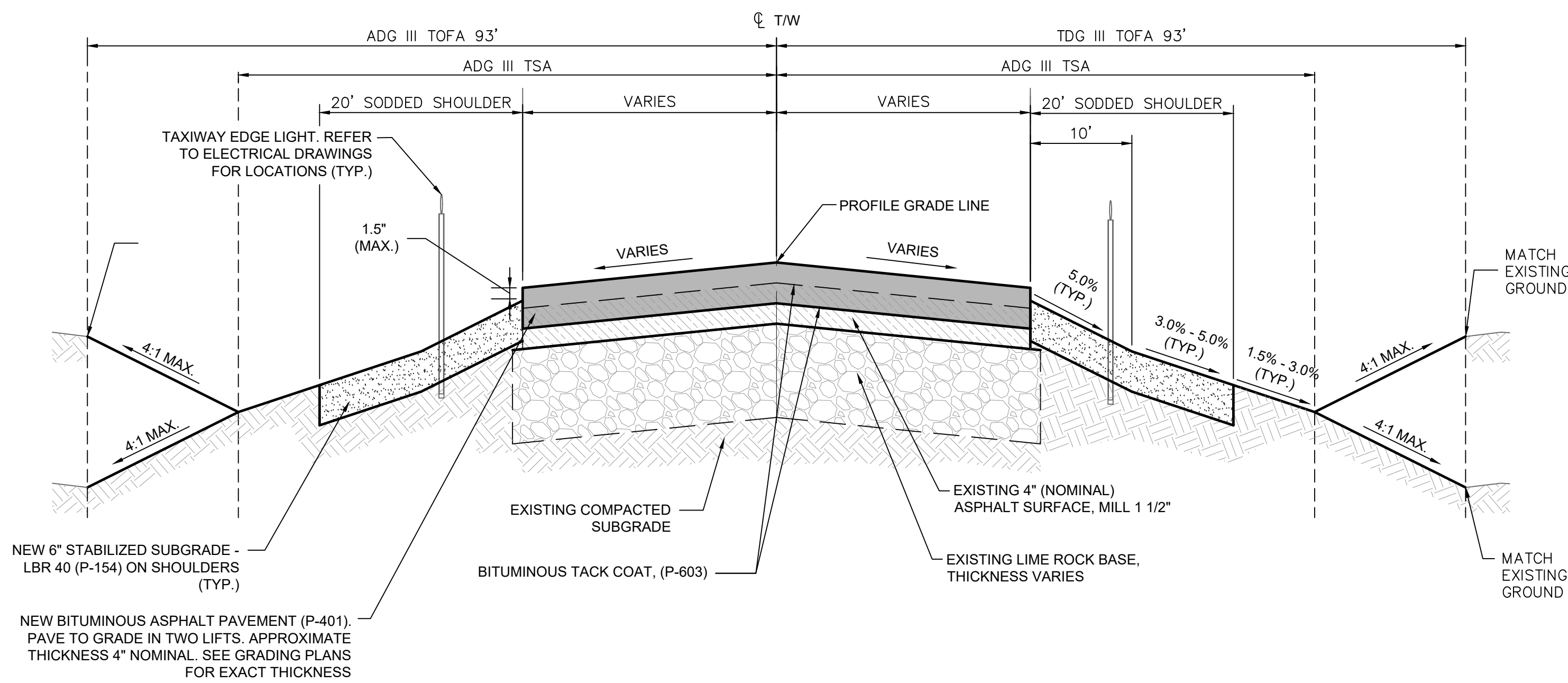
N.T.S.

NOTE:
1. PIPE PROTECTION SLAB
NOT SHOWN FOR CLARITY



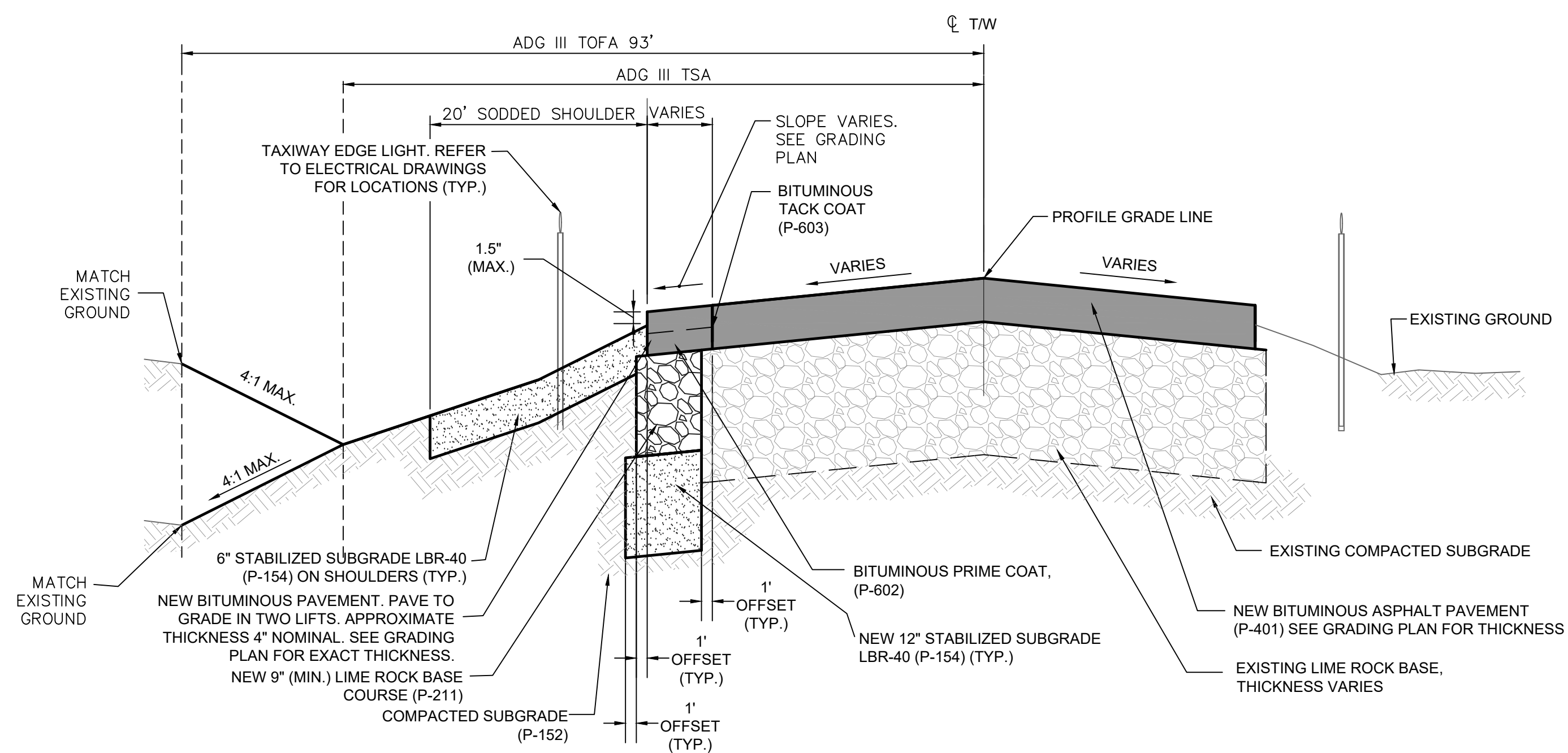
TYPICAL SECTION NO. 2 – T/W MILL AND OVERLAY
AT EXISTING TAXIWAYS NOVEMBER, ROMEO AND SIERRA TO REMAIN

N.T.S.



TYPICAL SECTION NO. 3 – T/W MILL AND OVERLAY
AT EXISTING TAXIWAY DELTA TO REMAIN

N.T.S.



NEW PAVEMENT ADJACENT TO EXISTING PAVEMENT
VARIOUS LOCATIONS

N.T.S.

CALL 48 HOURS
BEFORE YOU DIG

IT'S THE LAW!
DIAL 811

Know what's below.
Call before you dig.

SUNSHINE STATE ONE CALL OF FLORIDA, INC.

CALL 48 HOURS BEFORE DIGGING
FAA FACILITIES 954-356-7212

Kimley-Horn
Kimley-Horn and Associates, Inc.
23297 STATE ROAD 7, SUITE 100
BOCA RATON, FLORIDA 33428
(561) 451-9165 PHONE
(561) 451-4886 FAX

HILLERS ELECTRICAL
ENGINEERING, INC.
1920 WENONA WAY, SUITE 200, WEST PALM BEACH, FL 33411
(561) 861-1111 PHONE
(561) 861-1112 FAX

BID SET

PROJECT # 12243
TAXIWAY FOXTROT
RELOCATION PROJECT
TYPICAL SECTIONS

SHEET NO.	OF
C28	70
TOTAL:	103
CAD FILE:	12243-MULTI-SECS
DRAWING FILE NO.	4-141-45

NO.	DATE	BY	CHK'D	DESCRIPTION

CITY OF FORT LAUDERDALE
PUBLIC WORKS DEPARTMENT
ENGINEERING & ARCHITECTURE
100 North Andrews Avenue, Fort Lauderdale, Florida 33301

ENGINEER: THOMAS F. O'DONNELL
DRAWING NO.: 62476
DATE: 04-15-2019

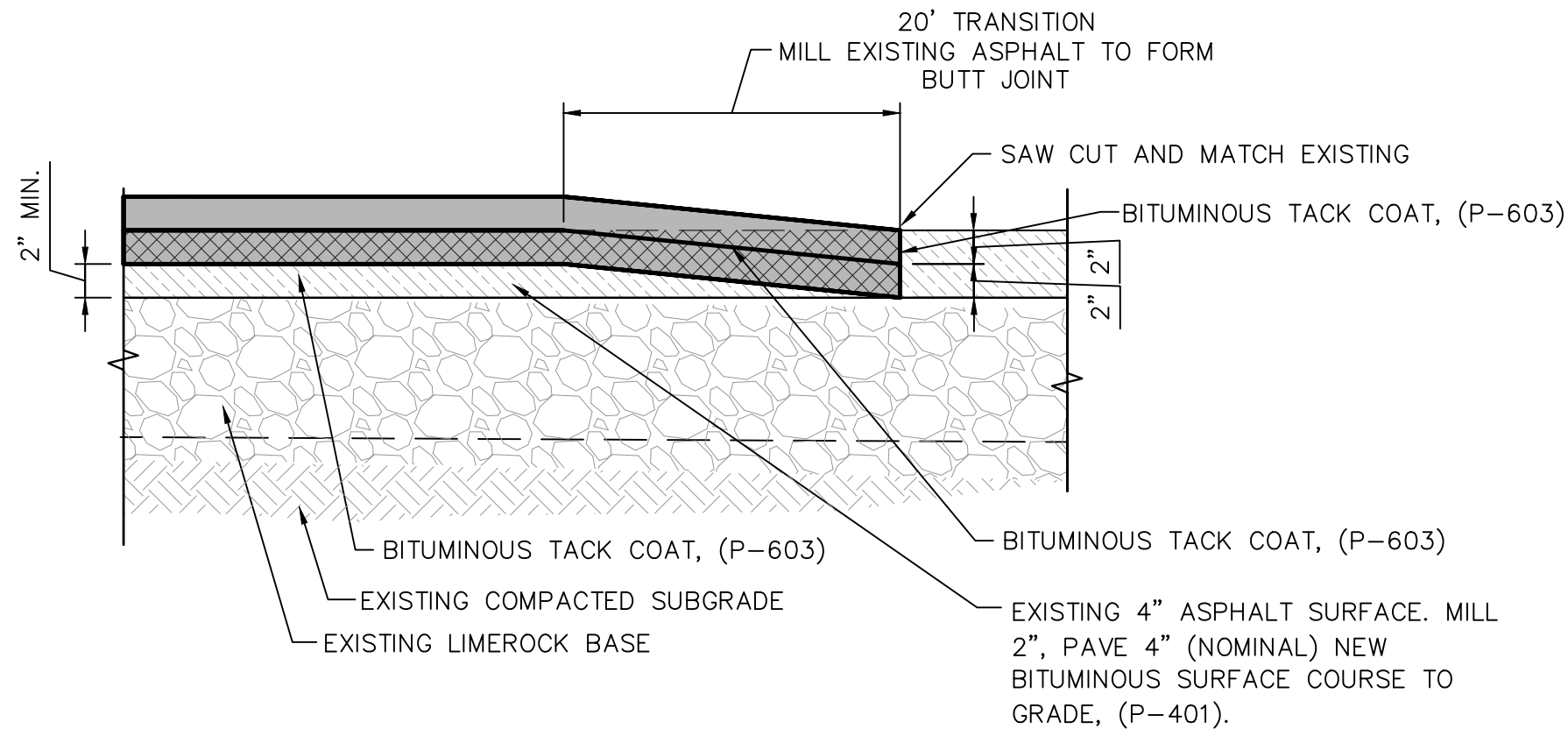
DRAWN BY: ALB
DESIGNED BY: MM
CHECKED BY: TFO
FIELD BOOK: 33301

TEL: 561-840-0825
FAX: 561-840-0825

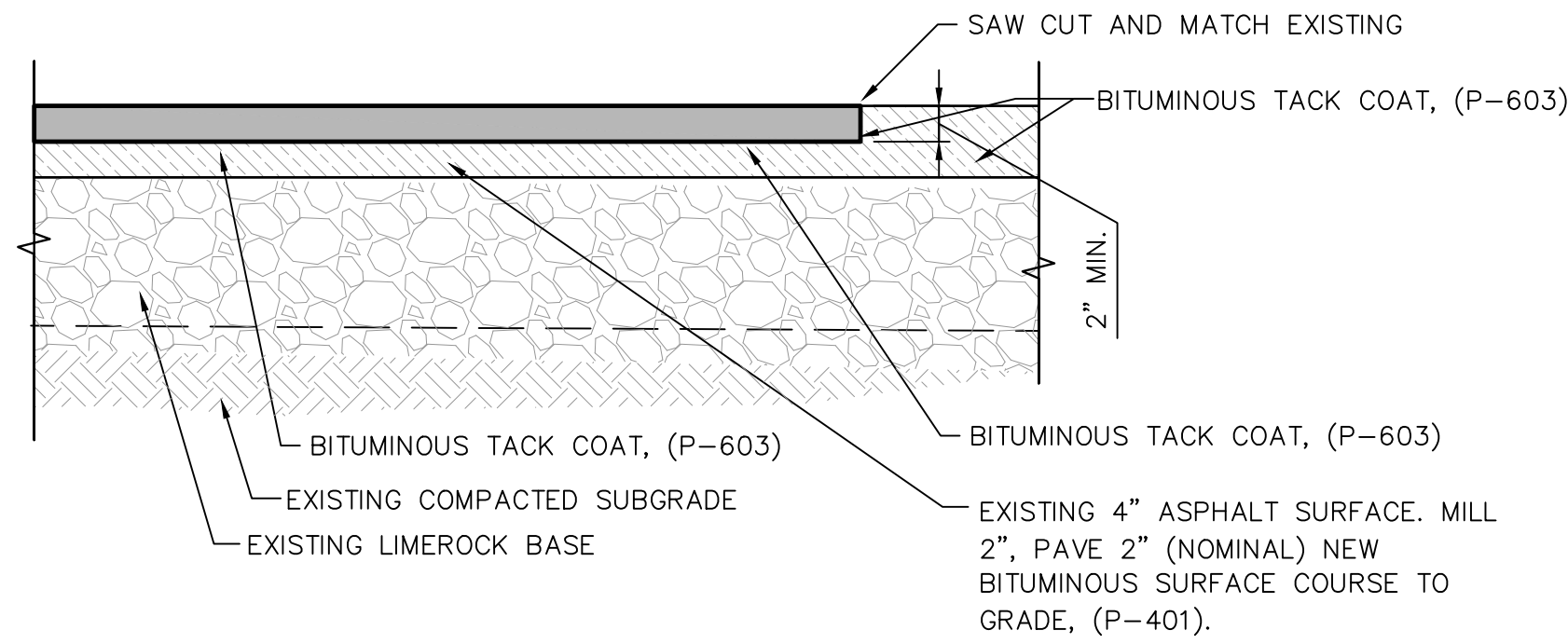
City of Fort Lauderdale

BID 12277-693

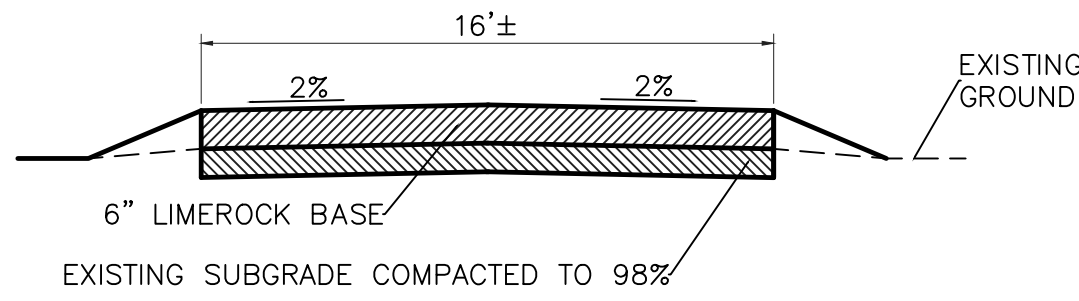
K:\FTL\AVIATION\044693068 - FXE FOX TROT RELOCATION\CADD\PLANSHEETS\12243-MULTI-SECS.DWG



DETAIL - BUTT JOINT OVERLAY TRANSITION TO EXISTING
N.T.S.



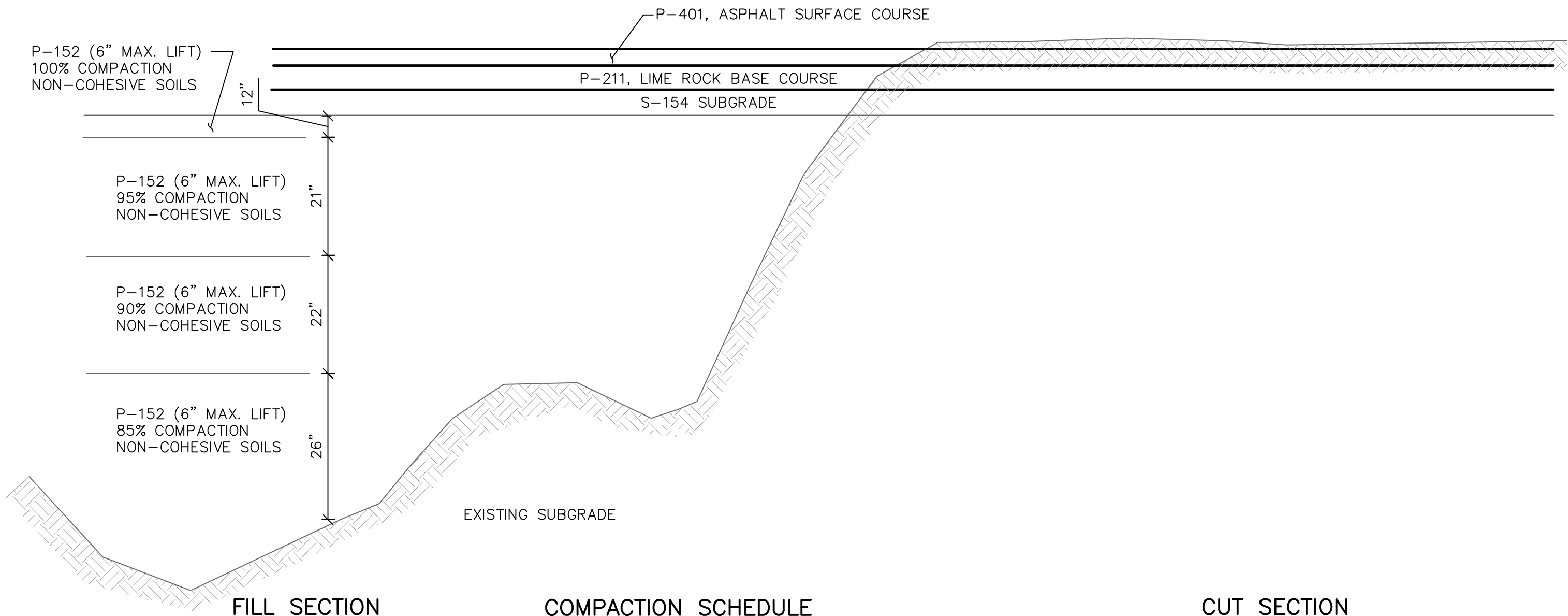
DETAIL - BUTT JOINT OVERLAY TRANSITION TO EXISTING
N.T.S.



TEMPORARY ACCESS ROAD SECTION
N.T.S.

ACCESS ROAD NOTES:

1. THE EXACT LIMITS AND LOCATION OF THE ACCESS ROAD WILL BE COORDINATED WITH FXE OPERATIONS STAFF AND SHALL BE APPROVED IN THE FIELD BY THE ENGINEER.
2. THE ACCESS ROAD SHALL BE 6" THICK.
3. AFTER COMPLETION OF CONSTRUCTION, THE ACCESS ROAD SHALL BE RETURNED TO ITS ORIGINAL CONDITION OR BETTER. THE CONTRACTOR WILL SOD LIMITS.
4. ROAD TO BE PAID FOR AS INCIDENTAL TO MOBILIZATION (C-105)



COMPACTION SCHEDULE NOTES:

THE SUBGRADE IN CUT AREAS SHALL HAVE NATURAL DENSITIES SHOWN OR (A) SHALL BE COMPACTED FROM THE SURFACE TO ACHIEVE THE REQUIRED DENSITIES, OR (B) SHALL BE REMOVED AND REPLACED IN WHICH CASE THE MINIMUM DENSITIES FOR FILLS APPLY. SEE SPECIFICATION P-152 FOR OVER EXCAVATION REQUIREMENTS.

NON-COHESIVE SOILS, FOR THE PURPOSE OF DETERMINING COMPACTION, ARE THOSE WITH A P.I. < 3.

UNDER AREAS THAT WILL NOT BE PAVED, ROLLING OPERATIONS SHALL BE CONTINUED UNTIL THE EMBANKMENT IS COMPACTED TO NOT LESS THAT 95% OF MAXIMUM DENSITY FOR NON COHESIVE SOILS AND 90% OF MAXIMUM DENSITY FOR COHESIVE SOILS PER ITEM P-152.

CALL 48 HOURS BEFORE YOU DIG

IT'S THE LAW! DIAL 811

SUNSHINE STATE ONE CALL OF FLORIDA, INC.

CALL 48 HOURS BEFORE DIGGING
FAA FACILITIES 954-356-7212

Know what's below.
Call before you dig.

Kimley-Horn
Kimley-Horn and Associates, Inc.
©2019 KIMLEY-HORN AND ASSOCIATES, INC.
1920 WENONA WAY, SUITE 200, WEST PALM BEACH, FL 33411
FPOE TEL: CA 0000000000
044692008

HILLERS ELECTRICAL ENGINEERING, INC.
23297 STATE ROAD 7, SUITE 100
BOCA RATON, FLORIDA 33428
(561) 451-9185 PHONE
(561) 451-4886 FAX

BID SET

ENGINEER:
THOMAS F. O'DONNELL
Lic. No. 06476
DATE:

ENGINEER:
THOMAS F. O'DONNELL
Lic. No. 06476
DATE:

DESIGNED BY: SCALE: AS NOTED

CHECKED BY: TFO

FIELD BOOK:

TEL: 561-840-0825
FAX:

CITY OF FORT LAUDERDALE
PUBLIC WORKS DEPARTMENT
ENGINEERING & ARCHITECTURE
100 North Andrews Avenue, Fort Lauderdale, Florida 33301

NO.	DATE	BY	CHK'D	DESCRIPTION

PROJECT # 12243
TAXIWAY FOX TROT
RELOCATION PROJECT
TYPICAL SECTIONS

SHEET NO. C29 OF 70

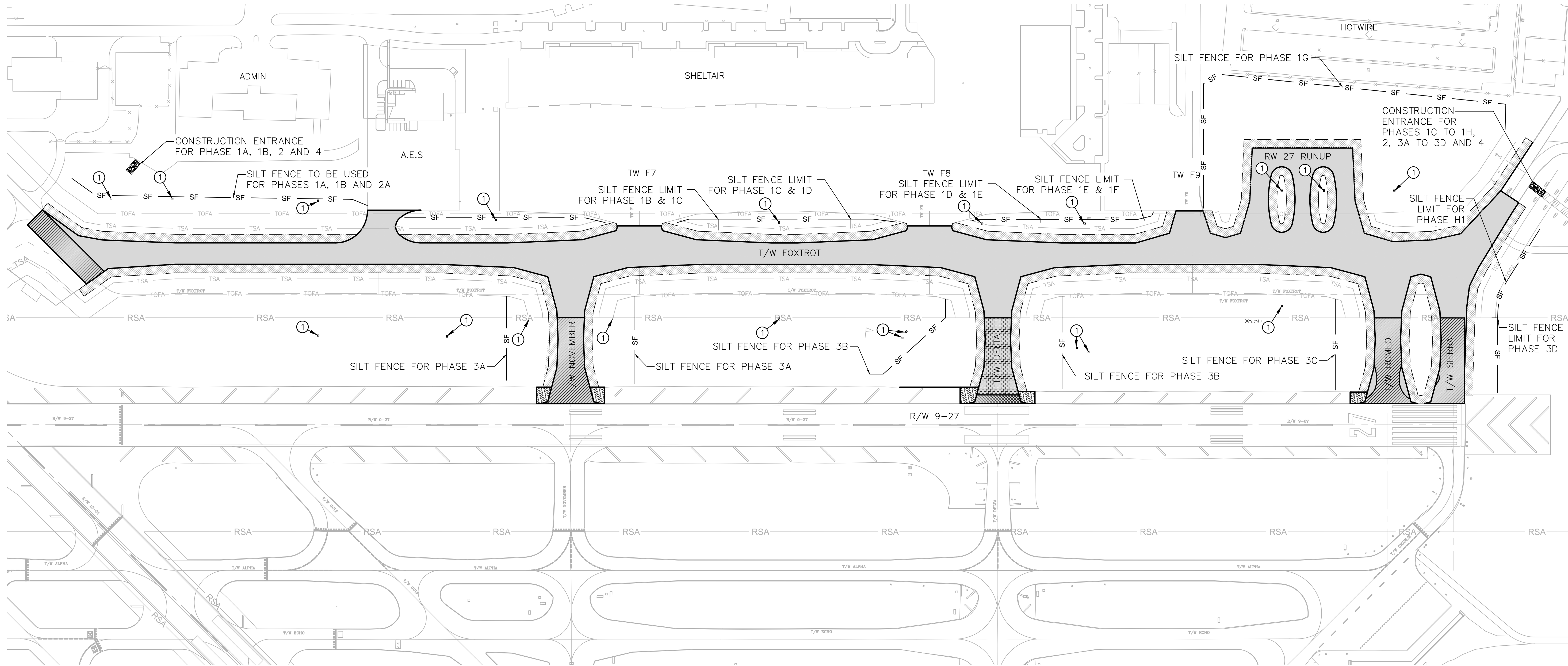
TOTAL: 103

CAD FILE: 12243-MULTI-SECS

DRAWING FILE NO. 4-141-45

CAM #19-1062
Exhibit 3C - Part 3 of 4
Page 11 of 50

Bid 12277-693



LEGEND (SYMBOL)

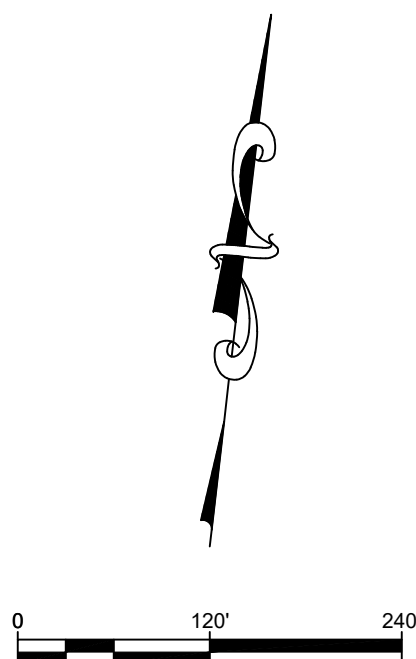
- ① CATCH BASIN INLET PROTECTION
- EXISTING CATCH BASIN
- PROPOSED CATCH BASIN

LEGEND (LINE TYPE)

- SF PROPOSED SILT FENCE
- RSA RUNWAY SAFETY AREA
- TSA TAXIWAY SAFETY AREA
- TOFA TAXIWAY OBJECT FREE AREA
- CONSTRUCTION ENTRANCE

NOTES

- SEE SHEET C31 FOR EROSION CONTROL DETAILS
- REFER TO SHEETS C06 TO C17 FOR PHASING PLANS
- ALL NEW INLETS INSTALLED UNDER THIS PROJECT SHALL RECEIVE INLET PROTECTION.
- ALL EROSION AND SEDIMENTATION CONTROL DEVICES SHALL BE IN PLACE PRIOR TO THE START OF ANY CONSTRUCTION ACTIVITIES.
- CONTRACTOR SHALL INSTALL AND MAINTAIN NECESSARY SYSTEMS THROUGHOUT THE DURATION OF THE CONTRACT AND PROVIDE ADDITIONAL BEST MANAGEMENT PRACTICES (BMP'S) AS REQUIRED TO MEET REGULATORY CRITERIA AT NO ADDITIONAL COST TO OWNER.
- CONTRACTOR SHALL INSTALL STABILIZED CONSTRUCTION ENTRANCE PRIOR TO BEGINNING ANY WORK.
- CONTRACTOR WILL SUBMIT A PLAN FOR DUST CONTROL PRIOR TO ANY LAND DISTURBING ACTIVITIES PER ITEM C-102. THE PLAN MUST INCLUDE BUT NOT BE LIMITED TO, PROVIDING WATER TRUCK ON A 24 HR. BASIS CAPABLE OF BEING ON SITE WITHIN 30 MINUTES TO WATER DISTURBED AND UNPROTECTED SURFACES.
- SWEeper TRUCK SHALL FOLLOW ALL WORKING VEHICLES TO PREVENT FOREIGN OBJECT DEBRIS (FOD) ON OPEN TAXIWAYS.



CALL 48 HOURS BEFORE YOU DIG

IT'S THE LAW! DIAL 811

Know what's below. Call before you dig.

SUNSHINE STATE ONE CALL OF FLORIDA, INC.

CALL 48 HOURS BEFORE DIGGING

FAA FACILITIES 954-356-7212

Kimley-Horn
Kimley-Horn and Associates, Inc.
3229 STATE ROAD 7, SUITE 100
BOCA RATON, FLORIDA 33428
(561) 451-9165 PHONE
(561) 451-4886 FAX

HILLERS ELECTRICAL
ENGINEERING, INC.
23297 STATE ROAD 7, SUITE 100
BOCA RATON, FLORIDA 33428
(561) 451-9165 PHONE
(561) 451-4886 FAX

BID SET

State of Florida
Professional Engineer
License No. 62478

THOMAS F. O'DONNELL

DATE: 04-15-2019
DRAWN BY: ALB
DESIGNED BY: SCALE: AS NOTED
CHECKED BY: MM
TFO
FIELD BOOK:

CITY OF FORT LAUDERDALE
PUBLIC WORKS DEPARTMENT
ENGINEERING & ARCHITECTURE
100 North Andrews Avenue, Fort Lauderdale, Florida 33301

NO.	DATE	BY	CHK'D	DESCRIPTION

PROJECT # BID SET
TAXIWAY FOXROT
RELOCATION PROJECT
EROSION CONTROL PLAN

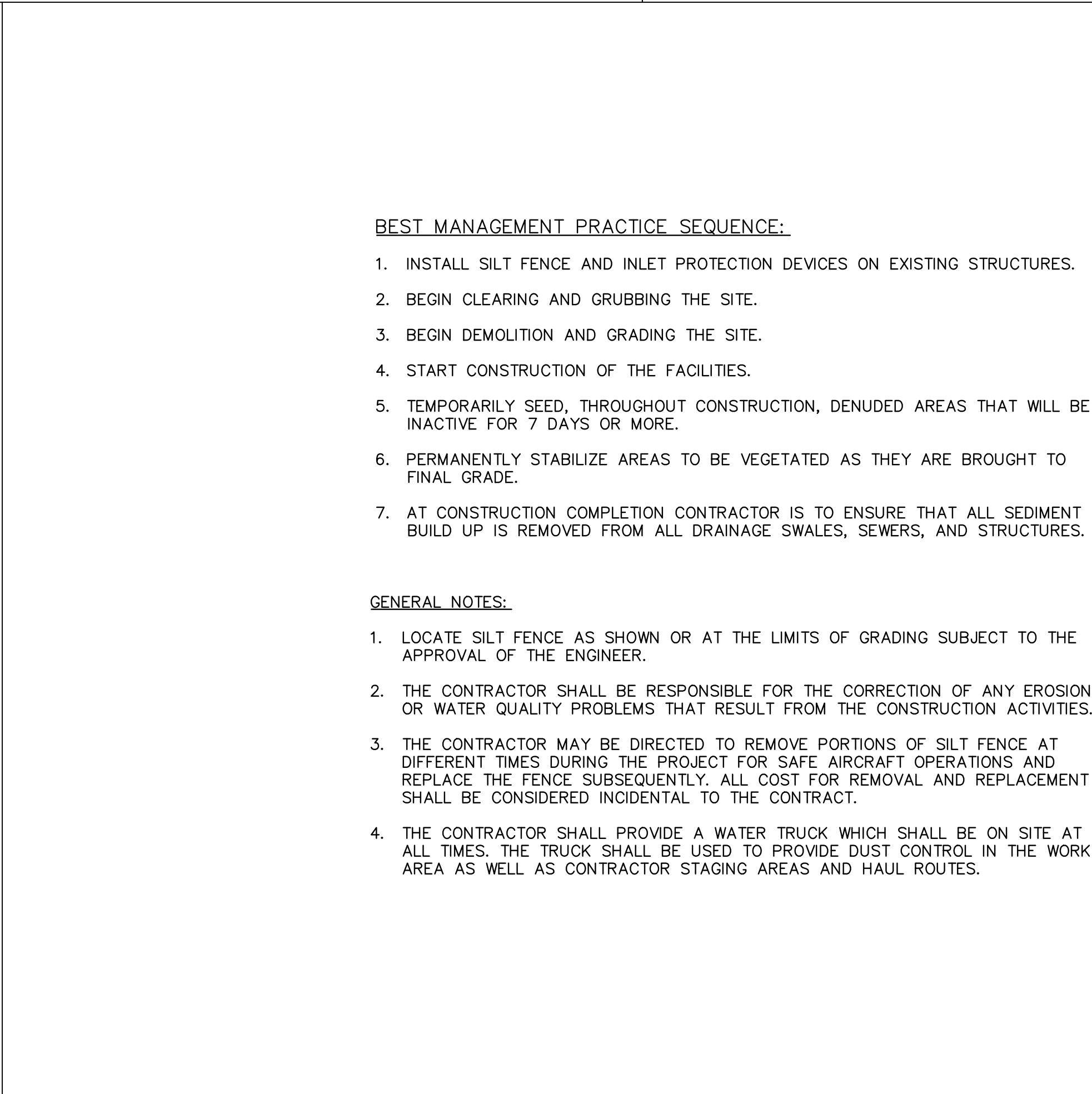
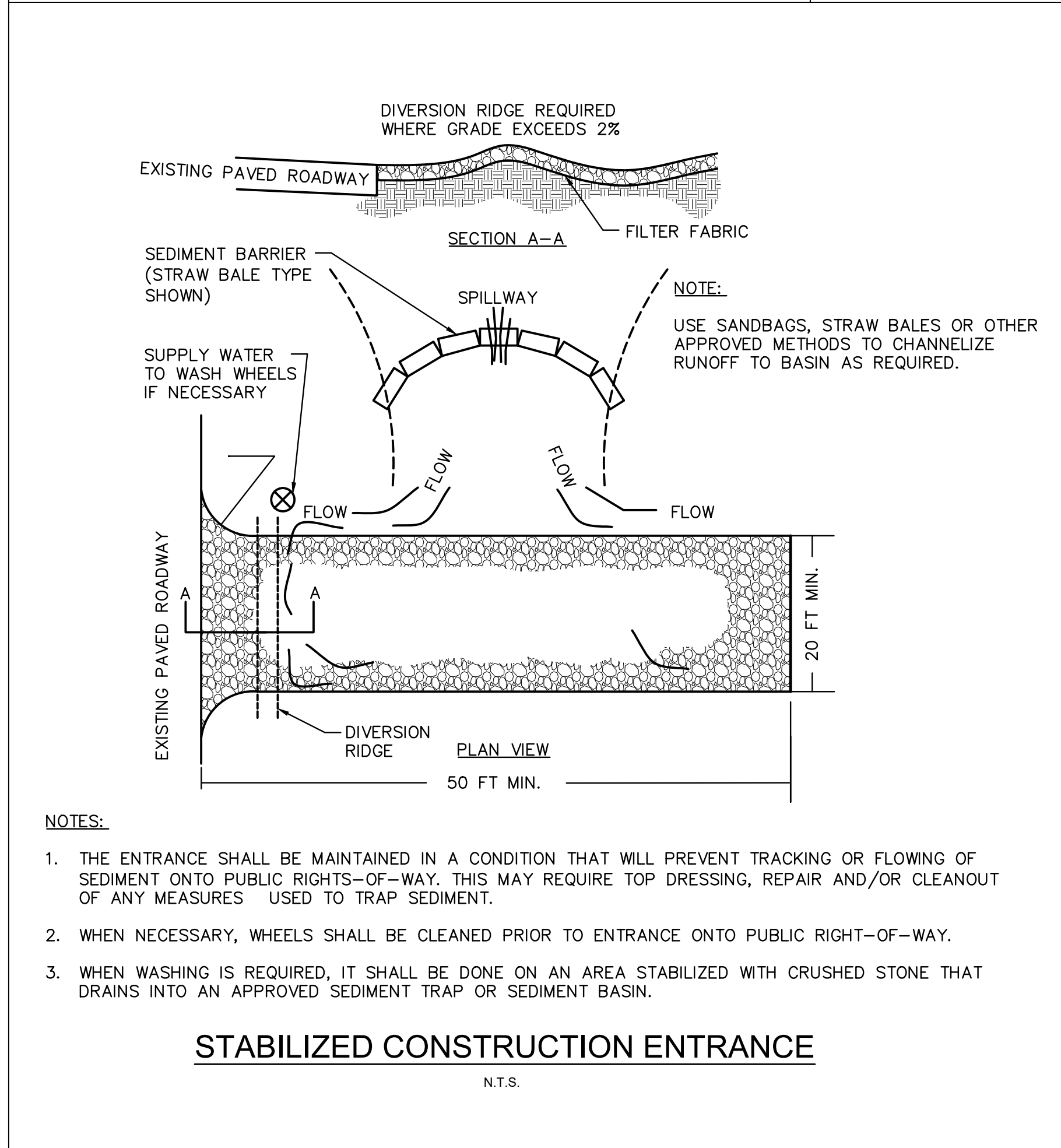
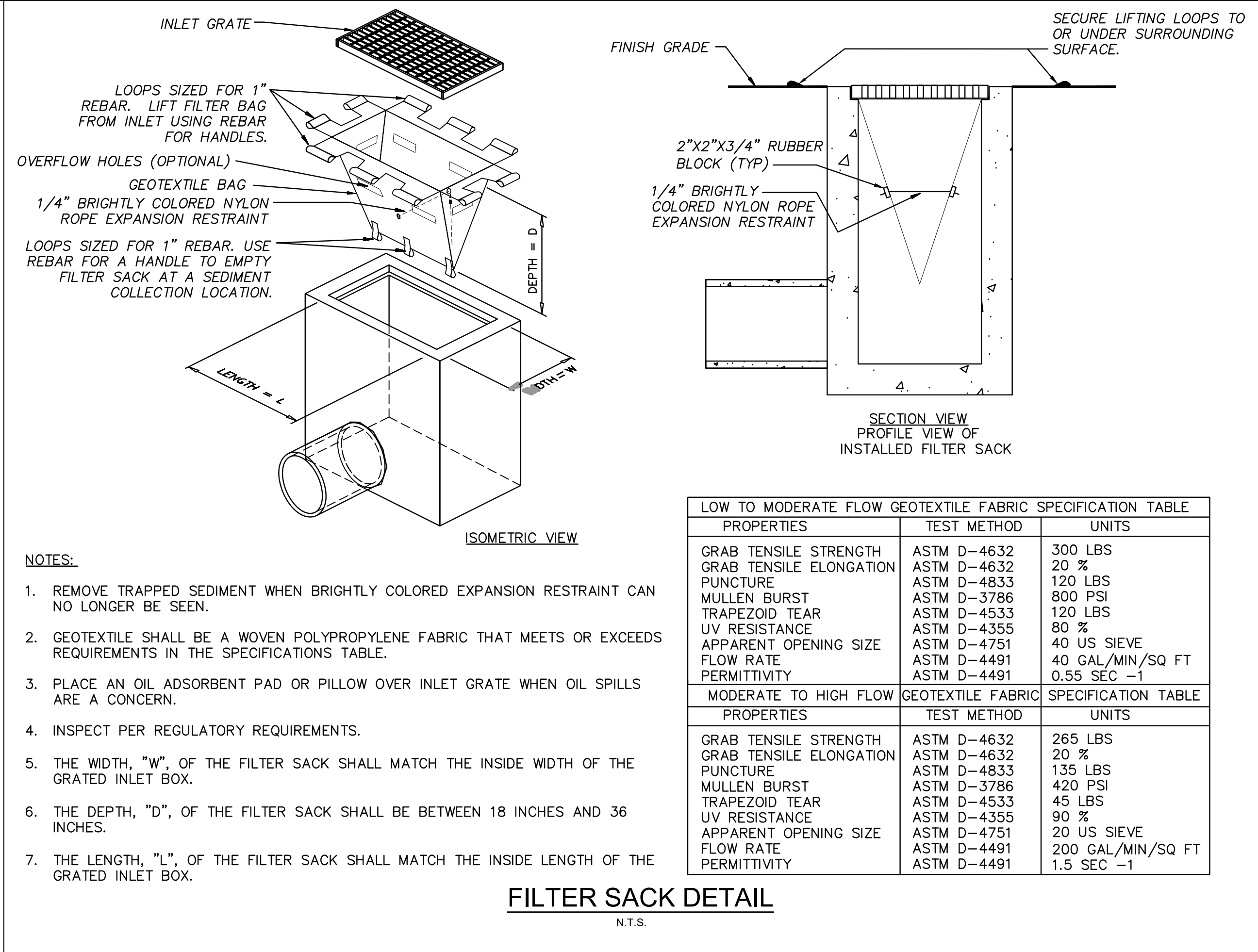
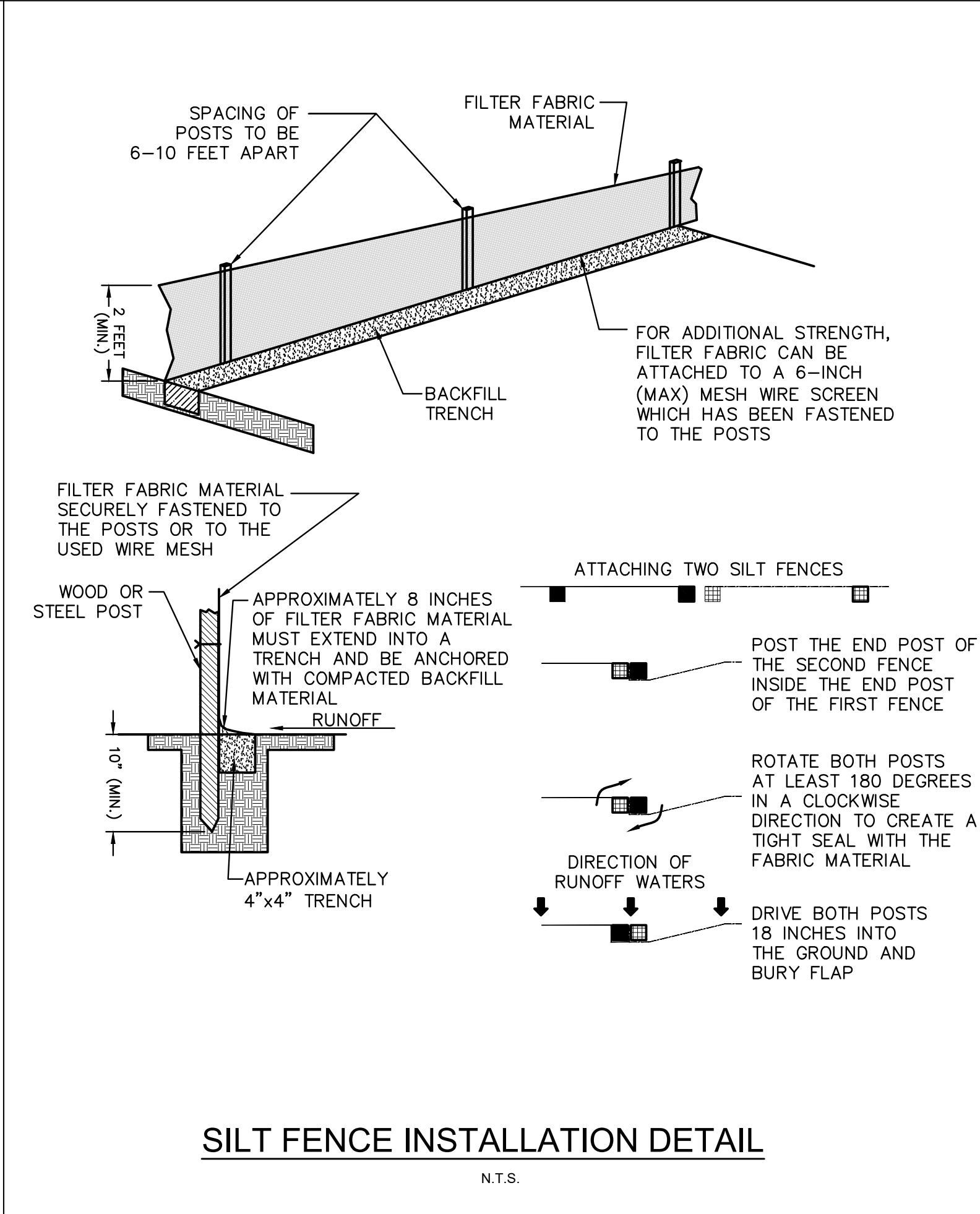
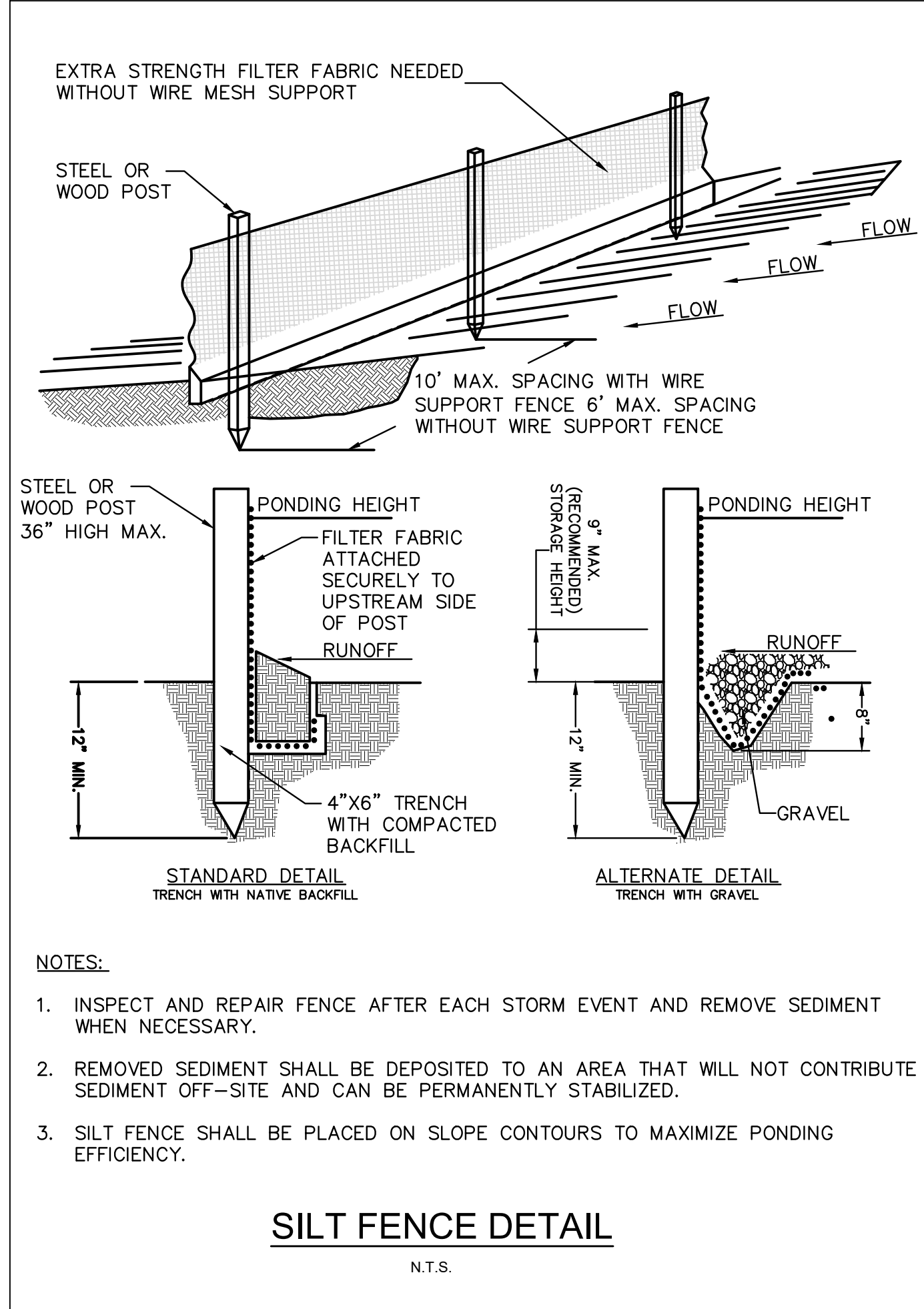
SHEET NO. C30 OF 70

TOTAL: 103

CAD FILE: 12243-C30-EROS

DRAWING FILE NO. 4-141-45

CAM#19-1062
Exhibit 3C - Part 3 of 4
Page 12 of 50



Kimley-Horn
Kimley-Horn and Associates, Inc.
©2019 KIMLEY-HORN AND ASSOCIATES, INC.
1920 WENONA WAY, SUITE 200, WEST PALM BEACH, FL 33411
(561) 451-9165 PHONE
(561) 451-4886 FAX

HILLERS ELECTRICAL ENGINEERING, INC.
23297 STATE ROAD 7, SUITE 100
BOCA RATON, FLORIDA 33428
(561) 451-9165 PHONE
(561) 451-4886 FAX

30% SUBMITTAL

PROJECT # 12243
TAXWAY FOX TROT
RELOCATION PROJECT
EROSION CONTROL DETAILS

SHEET NO.	OF
C31	
TOTAL:	22
CAD FILE:	12243-C31-EROS
DRAWING FILE NO.	4-141-45

NO.	REVISIONS		DESCRIPTION
	BY	CHK'D	

CITY of FORT LAUDERDALE
PUBLIC WORKS DEPARTMENT
ENGINEERING & ARCHITECTURE
100 North Andrews Avenue, Fort Lauderdale, Florida 33301

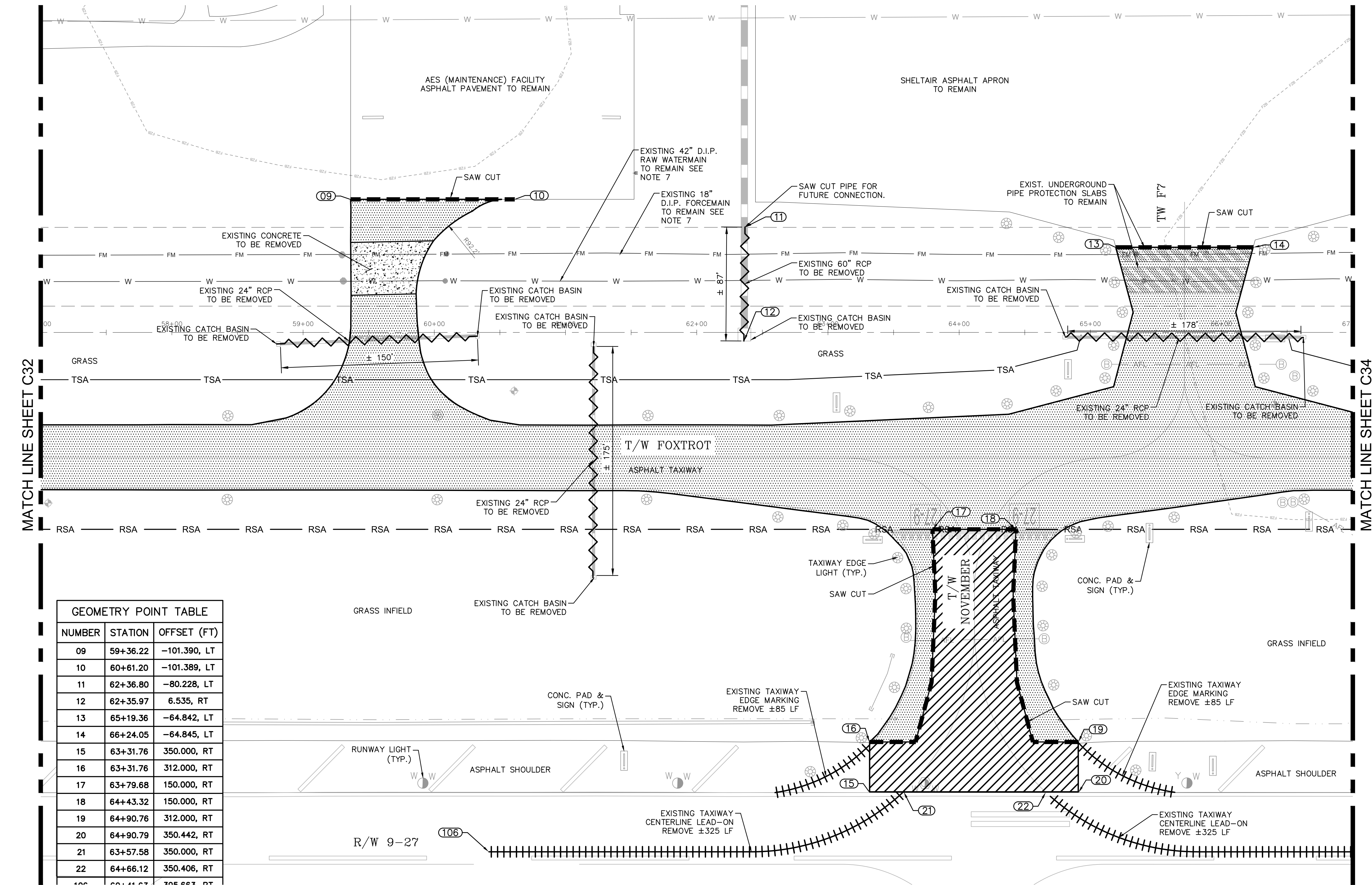
DRAWN BY:	MEM	DATE:	4/10/2019
DESIGNED BY:	SCALE:	AS NOTED	
CHECKED BY:	TFO		
FIELD BOOK:			

State of Florida
Professional Engineer
License No. 62478

THOMAS F. O'DONNELL

090-11771 110

K:\FL\AVIATION\044693068 - FXE FOXROT RELOCATION\CADD\PLANSHEETS\12243-MULTI-DEMO.DWG



GEOMETRY POINT TABLE		
NUMBER	STATION	OFFSET (FT)
09	59+36.22	-101.390, LT
10	60+61.20	-101.389, LT
11	62+36.80	-80.228, LT
12	62+35.97	6.535, RT
13	65+19.36	-64.842, LT
14	66+24.05	-64.845, LT
15	63+31.76	350.000, RT
16	63+31.76	312.000, RT
17	63+79.68	150.000, RT
18	64+43.32	150.000, RT
19	64+90.76	312.000, RT
20	64+90.79	350.442, RT
21	63+57.58	350.000, RT
22	64+66.12	350.406, RT

LEGEND (SYMBOL)

- BENCHMARK
- AIRFIELD GUIDANCE SIGN
- TAXIWAY LIGHT
- RUNWAY LIGHT
- JUNCTION CAN
- JUNCTION CAN PLAZA
- PULLBOX
- FIBER COMM CABINET
- EXISTING CONTOUR
- RUNWAY SAFETY AREA
- TAXIWAY SAFETY AREA
- TAXIWAY OBJECT FREE AREA

LEGEND (WORK)

- ASPHALT PAVEMENT MILL. REFER TO PAVEMENT GEOMETRY PLANS SHEETS ### -###
- REMOVE EXISTING ASPHALT AND LIMEROCK BASE COURSE.
- REMOVE EXISTING CONCRETE
- SAW CUT EXISTING PAVEMENT
- REMOVE EXISTING PAVEMENT MARKING
- REMOVE EXISTING PIPE SECTION

DEMOLITION NOTES

- EXPOSED SUBGRADE AND BASE MATERIAL TO BE KEPT MOIST AND COMPACTED TO MINIMIZE FOD FROM JET BLAST AT ALL TIMES AND SHALL BE TREATED WITH A DUST STABILIZER WHEN REQUESTED BY THE ENGINEER. ALL DUST CONTROL RELATED COSTS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND CONSIDERED INCIDENTAL TO ITEM C-102.
- CONTRACTOR WILL PROTECT ALL EXISTING CONCRETE OR ASPHALT PAVEMENT TO REMAIN IN PLACE DURING MILLING AND FULL DEPTH PAVEMENT REMOVAL. ALL CONCRETE OR ASPHALT PAVEMENT DAMAGED DURING MILLING AND REMOVAL SHALL BE REPAIRED OR REPLACED AT THE CONTRACTOR'S EXPENSE BY A METHOD SATISFACTORY TO THE ENGINEER.
- CONTRACTOR SHALL USE A METHOD OF MARKING REMOVAL THAT DOES NOT DAMAGE THE EXISTING PAVEMENT AND JOINT SEALS. ANY DAMAGE CAUSED TO THE EXISTING PAVEMENT AND JOINT SEALS SHALL BE REPAIRED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
- CONTRACTOR SHALL PROTECT ALL MARKINGS TO REMAIN. ANY MARKINGS THAT ARE DAMAGED OR INADVERTENTLY REMOVED SHALL BE REPAINTED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
- CONTRACTOR SHALL PROTECT ALL IN-PAVEMENT CENTERLINE LIGHTS, AND EDGE LIGHTS, FAA FACILITIES, NAVAIDS AND CABLES AT ALL TIMES DURING CONSTRUCTION. HAND DIG AROUND FAA CABLES.
- REFER TO SHEETS E04 - E07 FOR ELECTRICAL DEMOLITION
- EXISTING FORCE MAIN AND RAW WATER MAIN TO BE PROTECTED THROUGH THE DURATION OF WORK.

UTILITIES NOTE:

- UNDERGROUND UTILITY LOCATIONS ARE APPROXIMATE. CONTRACTOR TO OBTAIN UNDERGROUND UTILITY LOCATION AS REQUIRED BY LAW. SEE GENERAL NOTES SHEET C01. ALL FACILITIES ARE TO REMAIN EXCEPT WHERE OTHERWISE SHOWN. TAKE CARE DURING CONSTRUCTION TO AVOID DAMAGE TO EXISTING ABOVE GROUND AND UNDERGROUND FACILITIES.

CALL 48 HOURS BEFORE YOU DIG

IT'S THE LAW! DIAL 811

Know what's below. Call before you dig.

SUNSHINE STATE ONE CALL OF FLORIDA, INC.

CALL 48 HOURS BEFORE DIGGING
FAA FACILITIES 954-356-7212

Kimley-Horn

Kimley-Horn and Associates, Inc.

©2019 KIMLEY-HORN AND ASSOCIATES, INC.

1920 WENONA WAY, SUITE 200, WEST PALM BEACH, FL 33411

PHONE: 561-846-0000 FAX: 561-846-0008

HILLERS ELECTRICAL

ENGINEERING, INC.

23297 STATE ROAD 7, SUITE 100

BOCA RATON, FLORIDA 33428

(561) 451-9165 PHONE

(561) 451-4886 FAX

BID SET

PROJECT # 12243
TAXIWAY FOXTROT
RELOCATION PROJECT
DEMOLITION PLANS

SHEET NO.	OF
C33	70
TOTAL:	103
CAD FILE:	12243-MULTI-DEMO
DRAWING FILE NO.	4-141-45

ENGINEER:
THOMAS F. O'DONNELL
Lic. No. 62476
DATE:

DESIGNED BY: SCALE: AS NOTED

CHECKED BY: TFO

FIELD BOOK:

TEL: 561-840-0825
FAX:

CITY OF FORT LAUDERDALE
PUBLIC WORKS DEPARTMENT
ENGINEERING & ARCHITECTURE

100 North Andrews Avenue, Fort Lauderdale, Florida 33301

REVISIONS		DESCRIPTION	
NO.	DATE	BY	CHK'D

K:\FL\AVIATION\044693068 - FXE FOXTROT RELOCATION\CADD\PLANSHEETS\12243-MULTI-DEMO.DWG

MATCH LINE SHEET C33

MATCH LINE SHEET C35

MATCH LINE SHEET C36

GEOMETRY POINT TABLE		
NUMBER	STATION	OFFSET (FT)
23	71+97.62	-64.858, LT
24	73+02.31	-64.860, LT
25	73+71.20	-79.289, LT
26	73+81.29	-4.580, LT
27	76+12.46	-79.718, LT
28	76+08.10	-2.942, LT
29	71+80.29	312.000, RT
30	73+21.33	312.000, RT
31	73+21.32	350.641, RT
32	73+92.23	350.853, RT
33	74+25.95	350.862, RT
34	74+96.17	350.653, RT
35	74+96.17	322.878, RT
36	74+56.87	322.000, RT
37	74+41.32	150.000, RT
38	73+77.68	150.000, RT
39	73+64.81	312.000, RT
40	71+09.37	395.702, RT
107	67+81.63	395.690, RT

LEGEND (SYMBOL)

	BENCHMARK
	AIRFIELD GUIDANCE SIGN
	TAXIWAY LIGHT
	RUNWAY LIGHT
	JUNCTION CAN
	JUNCTION CAN PLAZA
	PULLBOX
	FIBER COMM CABINET
	EXISTING CONTOUR
	RUNWAY SAFETY AREA
	TAXIWAY SAFETY AREA
	TAXIWAY OBJECT FREE AREA

LEGEND (WORK)

	ASPHALT PAVEMENT MILL. REFER TO PAVEMENT GEOMETRY PLANS SHEETS ### -###
	REMOVE EXISTING ASPHALT AND LIMEROCK BASE COURSE.
	REMOVE EXISTING CONCRETE
	SAW CUT EXISTING PAVEMENT
	REMOVE EXISTING PAVEMENT MARKING
	REMOVE EXISTING PIPE SECTION

DEMOLITION NOTES

- EXPOSED SUBGRADE AND BASE MATERIAL TO BE KEPT MOIST AND COMPACTED TO MINIMIZE FOD FROM JET BLAST AT ALL TIMES AND SHALL BE TREATED WITH A DUST STABILIZER WHEN REQUESTED BY THE ENGINEER. ALL DUST CONTROL RELATED COSTS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND CONSIDERED INCIDENTAL TO ITEM C-102.
- CONTRACTOR WILL PROTECT ALL EXISTING CONCRETE OR ASPHALT PAVEMENT TO REMAIN IN PLACE DURING MILLING AND FULL DEPTH PAVEMENT REMOVAL. ALL CONCRETE OR ASPHALT PAVEMENT DAMAGED DURING MILLING AND REMOVAL SHALL BE REPAIRED OR REPLACED AT THE CONTRACTOR'S EXPENSE BY A METHOD SATISFACTORY TO THE ENGINEER.
- CONTRACTOR SHALL USE A METHOD OF MARKING REMOVAL THAT DOES NOT DAMAGE THE EXISTING PAVEMENT AND JOINT SEALS. ANY DAMAGE CAUSED TO THE EXISTING PAVEMENT AND JOINT SEALS SHALL BE REPAIRED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
- CONTRACTOR SHALL PROTECT ALL MARKINGS TO REMAIN. ANY MARKINGS THAT ARE DAMAGED OR INADVERTENTLY REMOVED SHALL BE REPAINTED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
- CONTRACTOR SHALL PROTECT ALL IN-PAVEMENT CENTERLINE LIGHTS, AND EDGE LIGHTS, FAA FACILITIES, NAVAIDS AND CABLES AT ALL TIMES DURING CONSTRUCTION. HAND DIG AROUND FAA CABLES.
- REFER TO SHEETS E04 - E07 FOR ELECTRICAL DEMOLITION
- EXISTING FORCE MAIN AND RAW WATER MAIN TO BE PROTECTED THROUGH THE DURATION OF WORK.

UTILITIES NOTE:

- UNDERGROUND UTILITY LOCATIONS ARE APPROXIMATE. CONTRACTOR TO OBTAIN UNDERGROUND UTILITY LOCATION AS REQUIRED BY LAW. SEE GENERAL NOTES SHEET C01. ALL FACILITIES ARE TO REMAIN EXCEPT WHERE OTHERWISE SHOWN. TAKE CARE DURING CONSTRUCTION TO AVOID DAMAGE TO EXISTING ABOVE GROUND AND UNDERGROUND FACILITIES.

CALL 48 HOURS BEFORE YOU DIG

IT'S THE LAW!
DIAL 811



CALL 48 HOURS BEFORE DIGGING
FAA FACILITIES 954-356-7212

Kimley-Horn
Kimley-Horn and Associates, Inc.
©2019 KIMLEY-HORN AND ASSOCIATES, INC.
1920 WENONA WAY, SUITE 200, WEST PALM BEACH, FL 33411
PAPER NO. CA-00000006
04/09/2008

HILLERS ELECTRICAL
ENGINEERING, INC.
23297 STATE ROAD 7, SUITE 100
BOCA RATON, FLORIDA 33428
(561) 451-9165 PHONE
(561) 451-4886 FAX

BID SET

PROJECT # 12243
TAXIWAY FOXTROT
RELOCATION PROJECT
DEMOLITION PLANS

SHEET NO.	OF
C34	70
TOTAL:	103
CAD FILE:	12243-MULTI-DEMO
DRAWING FILE NO.	4-141-45

CITY OF FORT LAUDERDALE
PUBLIC WORKS DEPARTMENT
ENGINEERING & ARCHITECTURE



100 North Andrews Avenue, Fort Lauderdale, Florida 33301

ENGINEER:
THOMAS F. O'DONNELL
Lic. No. 62476
DATE:

DRAWN BY:
ALB
DATE: 04-15-2019

DESIGNED BY:
MM
SCALE: AS NOTED

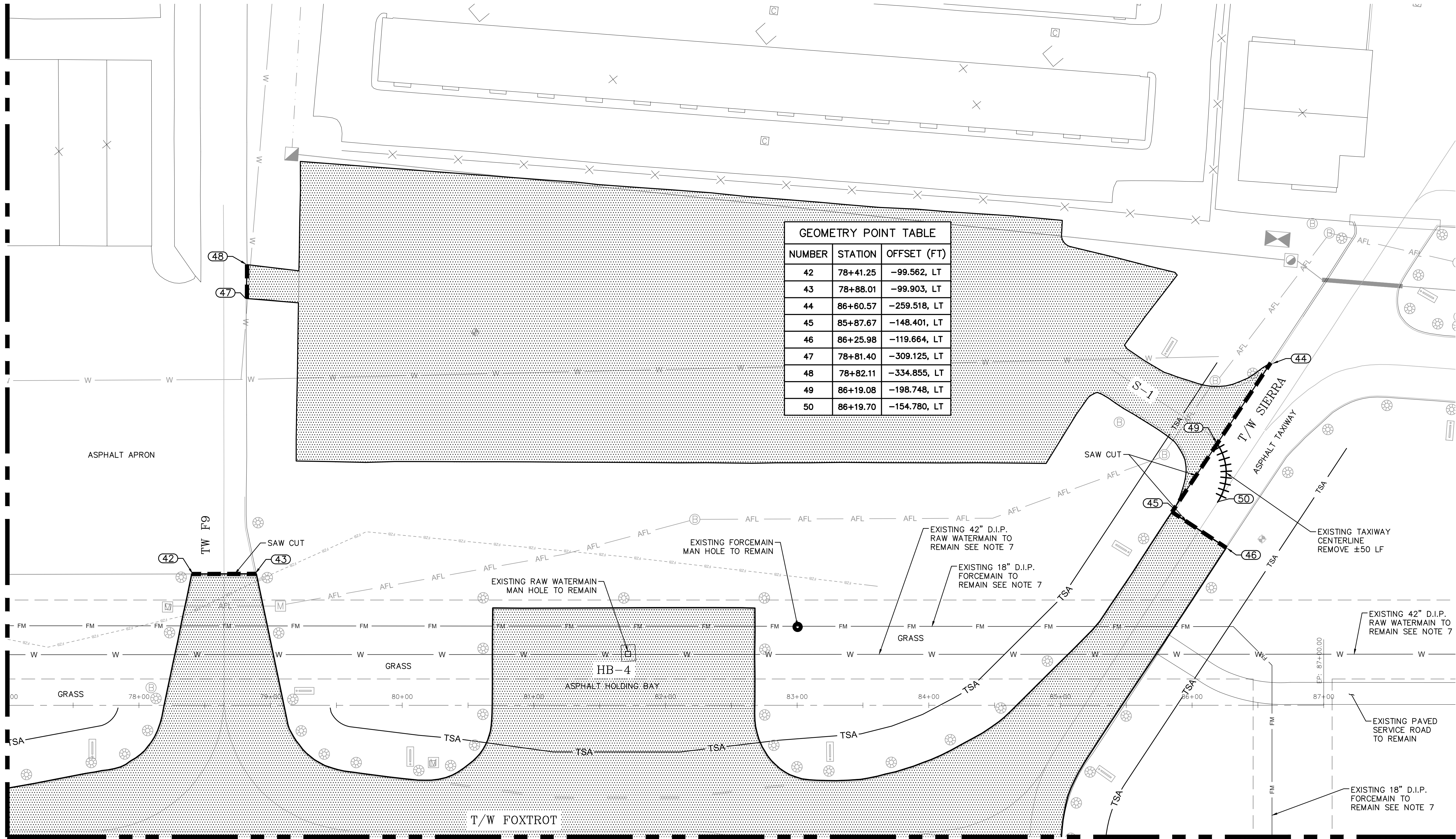
CHECKED BY:
TFO

FIELD BOOK:

TEL: 561-840-0825
FAX:

K:\FLAVIATION\044693068 - FXE FOXTROT RELOCATION\CADD\PLANSHEETS\12243-MULTI-DEMO.DWG

MATCH LINE SHEET C34



MATCHLINE SHEET ###

LEGEND (SYMBOL)

- BENCHMARK
- AIRFIELD GUIDANCE SIGN
- TAXIWAY LIGHT
- RUNWAY LIGHT
- JUNCTION CAN
- JUNCTION CAN PLAZA
- PULLBOX
- FIBER COMM CABINET
- EXISTING CONTOUR
- RUNWAY SAFETY AREA
- TAXIWAY SAFETY AREA
- TAXIWAY OBJECT FREE AREA

LEGEND (WORK)

- ASPHALT PAVEMENT MILL. REFER TO PAVEMENT GEOMETRY PLANS SHEETS ### -###
- REMOVE EXISTING ASPHALT AND LIMEROCK BASE COURSE.
- REMOVE EXISTING CONCRETE
- SAW CUT EXISTING PAVEMENT
- REMOVE EXISTING PAVEMENT MARKING
- REMOVE EXISTING PIPE SECTION

DEMOLITION NOTES

- EXPOSED SUBGRADE AND BASE MATERIAL TO BE KEPT MOIST AND COMPACTED TO MINIMIZE FOD FROM JET BLAST AT ALL TIMES AND SHALL BE TREATED WITH A DUST STABILIZER WHEN REQUESTED BY THE ENGINEER. ALL DUST CONTROL RELATED COSTS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND CONSIDERED INCIDENTAL TO ITEM C-102.
- CONTRACTOR WILL PROTECT ALL EXISTING CONCRETE OR ASPHALT PAVEMENT TO REMAIN IN PLACE DURING MILLING AND FULL DEPTH PAVEMENT REMOVAL. ALL CONCRETE OR ASPHALT PAVEMENT DAMAGED DURING MILLING AND REMOVAL SHALL BE REPAIRED OR REPLACED AT THE CONTRACTOR'S EXPENSE BY A METHOD SATISFACTORY TO THE ENGINEER.
- CONTRACTOR SHALL USE A METHOD OF MARKING REMOVAL THAT DOES NOT DAMAGE THE EXISTING PAVEMENT AND JOINT SEALS. ANY DAMAGE CAUSED TO THE EXISTING PAVEMENT AND JOINT SEALS SHALL BE REPAIRED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
- CONTRACTOR SHALL PROTECT ALL MARKINGS TO REMAIN. ANY MARKINGS THAT ARE DAMAGED OR INADVERTENTLY REMOVED SHALL BE REPAINTED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
- CONTRACTOR SHALL PROTECT ALL IN-PAVEMENT CENTERLINE LIGHTS, AND EDGE LIGHTS, FAA FACILITIES, NAVAIDS AND CABLES AT ALL TIMES DURING CONSTRUCTION. HAND DIG AROUND FAA CABLES.
- REFER TO SHEETS E04 - E07 FOR ELECTRICAL DEMOLITION
- EXISTING FORCE MAIN AND RAW WATER MAIN TO BE PROTECTED THROUGH THE DURATION OF WORK.

UTILITIES NOTE:

- UNDERGROUND UTILITY LOCATIONS ARE APPROXIMATE. CONTRACTOR TO OBTAIN UNDERGROUND UTILITY LOCATION AS REQUIRED BY LAW. SEE GENERAL NOTES SHEET C01. ALL FACILITIES ARE TO REMAIN EXCEPT WHERE OTHERWISE SHOWN. TAKE CARE DURING CONSTRUCTION TO AVOID DAMAGE TO EXISTING ABOVE GROUND AND UNDERGROUND FACILITIES.

CALL 48 HOURS BEFORE YOU DIG

IT'S THE LAW! DIAL 811

Know what's below. Call before you dig.

SUNSHINE STATE ONE CALL OF FLORIDA, INC.

CALL 48 HOURS BEFORE DIGGING
FAA FACILITIES 954-356-7212

Kimley-Horn
Kimley-Horn and Associates, Inc.
©2019 KIMLEY-HORN AND ASSOCIATES, INC.
1920 WENOA WAY, SUITE 200, WEST PALM BEACH, FL 33411
PHONE: (561) 861-5555 FAX: (561) 861-5555

HILLERS ELECTRICAL
ENGINEERING, INC.
23297 STATE ROAD 7, SUITE 100
BOCA RATON, FLORIDA 33428
(561) 451-9165 PHONE
(561) 451-4886 FAX

BID SET

PROJECT # 12243
TAXIWAY FOX TROT
RELOCATION PROJECT
DEMOLITION PLANS

SHEET NO.	OF
C35	70
TOTAL:	103
CAD FILE:	12243-MULTI-DEMO
DRAWING FILE NO.	4-141-45

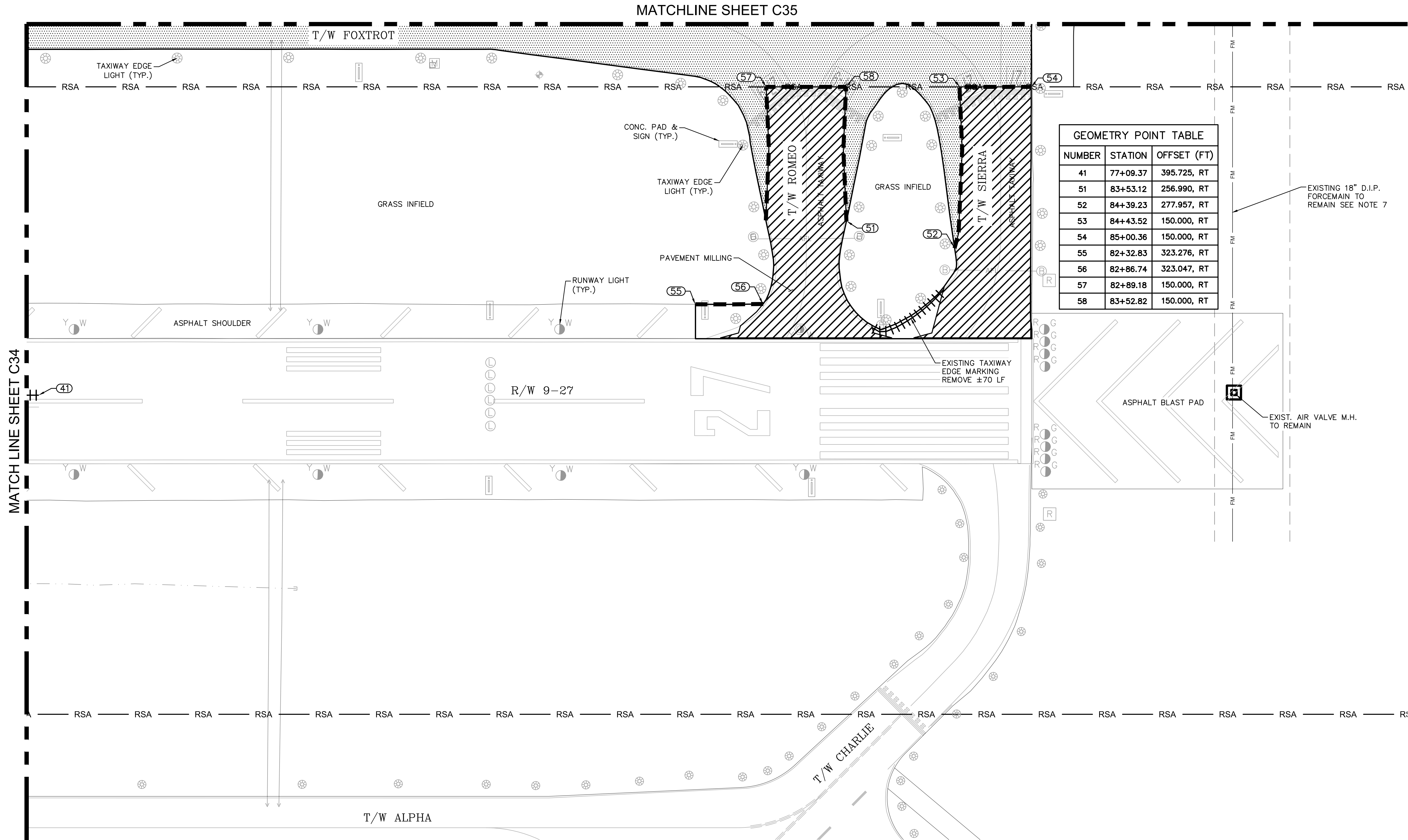
DRAWN BY:	DATE:
ALB	04-15-2019
DESIGNED BY:	SCALE:
MM	AS NOTED
CHECKED BY:	TFO
FIELD BOOK:	

ENGINEER:
THOMAS F. O'DONNELL
Lic. No. 62476
DATE:
TEL 561-840-0825
FAX:

CITY OF FORT LAUDERDALE
PUBLIC WORKS DEPARTMENT
ENGINEERING & ARCHITECTURE
100 North Andrews Avenue, Fort Lauderdale, Florida 33301

NO.	DATE	BY	CH'D	DESCRIPTION

K:\FL\AVIATION\044693068 - FXE FOXROT RELOCATION\CADD\PLANSHEETS\12243-MULTI-DEMO.DWG



MATCH LINE SHEET C34

MATCHLINE SHEET C35

LEGEND (SYMBOL)	
	BENCHMARK
	AIRFIELD GUIDANCE SIGN
	TAXIWAY LIGHT
	RUNWAY LIGHT
	JUNCTION CAN
	JUNCTION CAN PLAZA
	PULLBOX
	FIBER COMM CABINET
	EXISTING CONTOUR
	RUNWAY SAFETY AREA
	TAXIWAY SAFETY AREA
	TAXIWAY OBJECT FREE AREA

LEGEND (WORK)	
	ASPHALT PAVEMENT MILL. REFER TO PAVEMENT GEOMETRY PLANS SHEETS ### -###
	REMOVE EXISTING ASPHALT AND LIMEROCK BASE COURSE.
	REMOVE EXISTING CONCRETE
	SAW CUT EXISTING PAVEMENT
	REMOVE EXISTING PAVEMENT MARKING
	REMOVE EXISTING PIPE SECTION

- DEMOLITION NOTES**
- EXPOSED SUBGRADE AND BASE MATERIAL TO BE KEPT MOIST AND COMPACTED TO MINIMIZE FOD FROM JET BLAST AT ALL TIMES AND SHALL BE TREATED WITH A DUST STABILIZER WHEN REQUESTED BY THE ENGINEER. ALL DUST CONTROL RELATED COSTS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND CONSIDERED INCIDENTAL TO ITEM C-102.
 - CONTRACTOR WILL PROTECT ALL EXISTING CONCRETE OR ASPHALT PAVEMENT TO REMAIN IN PLACE DURING MILLING AND FULL DEPTH PAVEMENT REMOVAL. ALL CONCRETE OR ASPHALT PAVEMENT DAMAGED DURING MILLING AND REMOVAL SHALL BE REPAIRED OR REPLACED AT THE CONTRACTOR'S EXPENSE BY A METHOD SATISFACTORY TO THE ENGINEER.
 - CONTRACTOR SHALL USE A METHOD OF MARKING REMOVAL THAT DOES NOT DAMAGE THE EXISTING PAVEMENT AND JOINT SEALS. ANY DAMAGE CAUSED TO THE EXISTING PAVEMENT AND JOINT SEALS SHALL BE REPAIRED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
 - CONTRACTOR SHALL PROTECT ALL MARKINGS TO REMAIN. ANY MARKINGS THAT ARE DAMAGED OR INADVERTENTLY REMOVED SHALL BE REPAINTED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
 - CONTRACTOR SHALL PROTECT ALL IN-PAVEMENT CENTERLINE LIGHTS, AND EDGE LIGHTS, FAA FACILITIES, NAVAIDS AND CABLES AT ALL TIMES DURING CONSTRUCTION. HAND DIG AROUND FAA CABLES.
 - REFER TO SHEETS E04 - E07 FOR ELECTRICAL DEMOLITION
 - EXISTING FORCE MAIN AND RAW WATER MAIN TO BE PROTECTED THROUGH THE DURATION OF WORK.

- UTILITIES NOTE:**
- UNDERGROUND UTILITY LOCATIONS ARE APPROXIMATE. CONTRACTOR TO OBTAIN UNDERGROUND UTILITY LOCATION AS REQUIRED BY LAW. SEE GENERAL NOTES SHEET C01. ALL FACILITIES ARE TO REMAIN EXCEPT WHERE OTHERWISE SHOWN. TAKE CARE DURING CONSTRUCTION TO AVOID DAMAGE TO EXISTING ABOVE GROUND AND UNDERGROUND FACILITIES.

GEOMETRY POINT TABLE		
NUMBER	STATION	OFFSET (FT)
41	77+09.37	395.725, RT
51	83+53.12	256.990, RT
52	84+39.23	277.957, RT
53	84+43.52	150.000, RT
54	85+00.36	150.000, RT
55	82+32.83	323.276, RT
56	82+86.74	323.047, RT
57	82+89.18	150.000, RT
58	83+52.82	150.000, RT

EXISTING 18" D.I.P. FORCEMAIN TO REMAIN SEE NOTE 7

EXIST. AIR VALVE M.H. TO REMAIN

CALL 48 HOURS BEFORE YOU DIG

IT'S THE LAW! DIAL 811

Know what's below. Call before you dig.

SUNSHINE STATE ONE CALL OF FLORIDA, INC.

CALL 48 HOURS BEFORE DIGGING

FAA FACILITIES 954-356-7212

Kimley-Horn

Kimley-Horn and Associates, Inc.

©2019 KIMLEY-HORN AND ASSOCIATES, INC.

1920 WENONA WAY, SUITE 200, WEST PALM BEACH, FL 33411

PHONE: (561) 861-5500 FAX: (561) 861-5505

HILLERS ELECTRICAL ENGINEERING, INC.

23297 STATE ROAD 7, SUITE 100

BOCA RATON, FLORIDA 33428

(561) 451-9165 PHONE (561) 451-4886 FAX

BID SET

PROJECT # 12243

TAXIWAY FOXROT

RELOCATION PROJECT

DEMOLITION PLANS

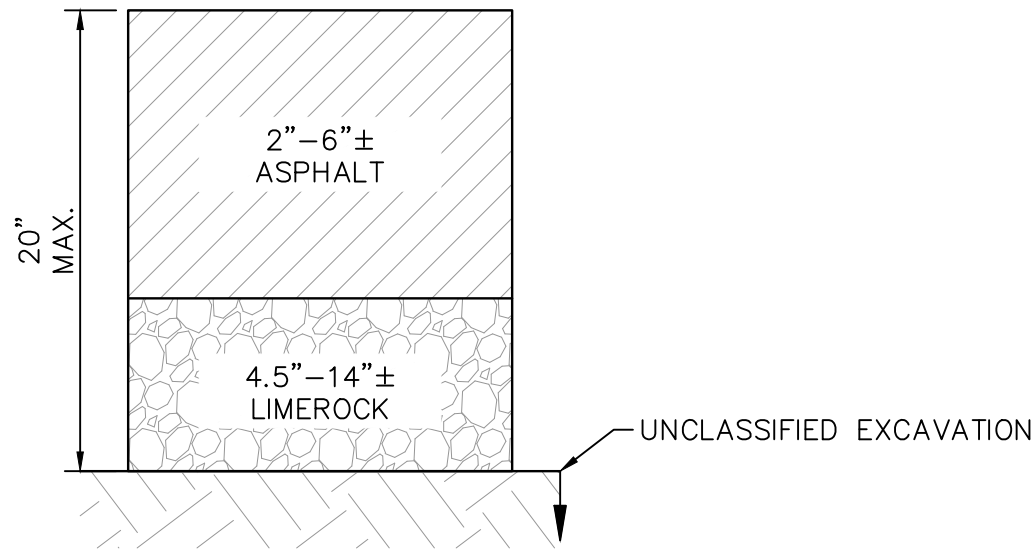
SHEET NO.	OF
C36	70
TOTAL:	103
CAD FILE:	12243-MULTI-DEMO
DRAWING FILE NO.	4-141-45

ENGINEER: THOMAS F. O'DONNELL
DATE: 04-15-2019
DESIGNED BY: SCALE: AS NOTED
CHECKED BY: TFO
FIELD BOOK: 33301

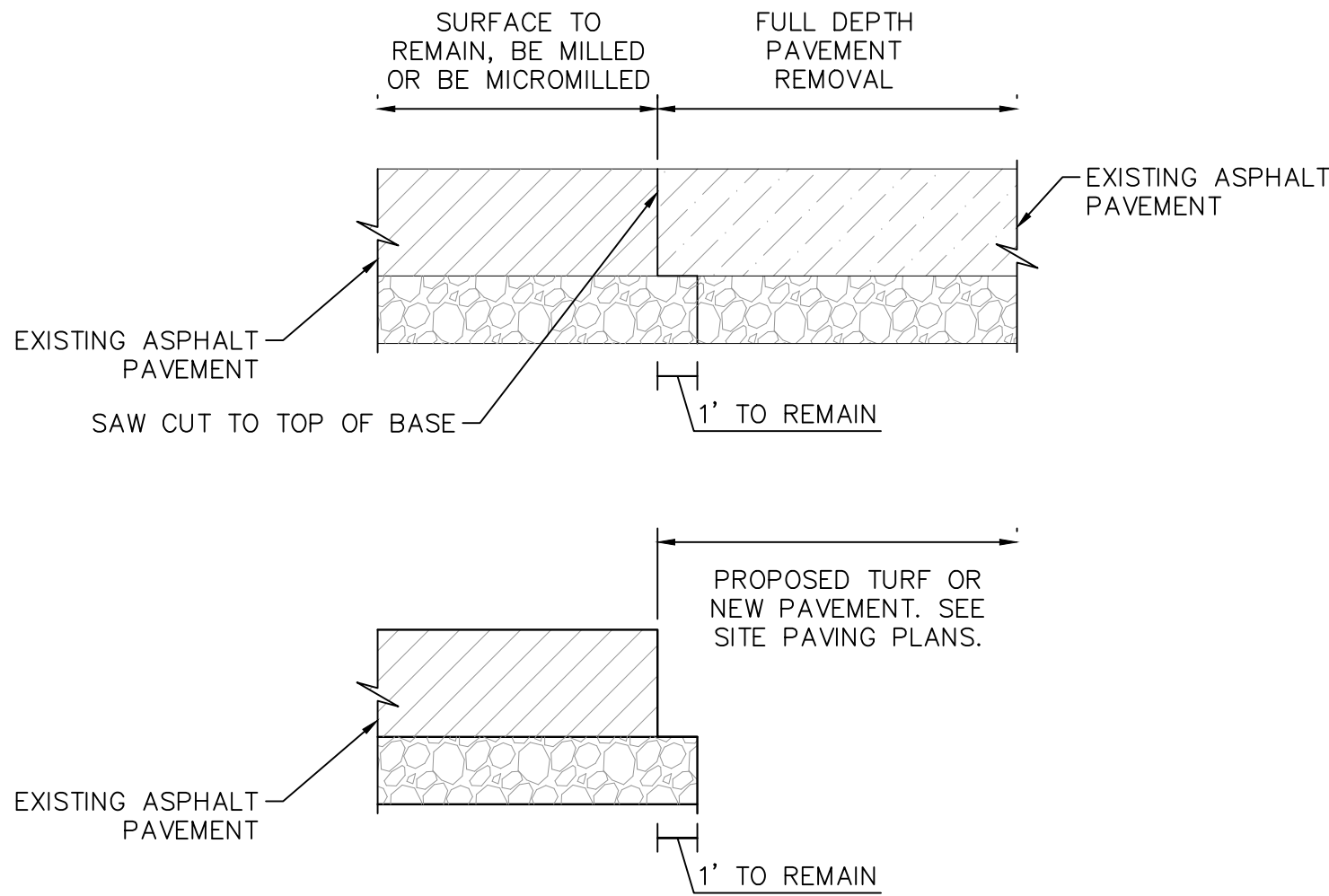
CITY OF FORT LAUDERDALE
PUBLIC WORKS DEPARTMENT
ENGINEERING & ARCHITECTURE
100 North Andrews Avenue, Fort Lauderdale, Florida 33301

REVISIONS		DESCRIPTION	
NO.	DATE	BY	CHK'D

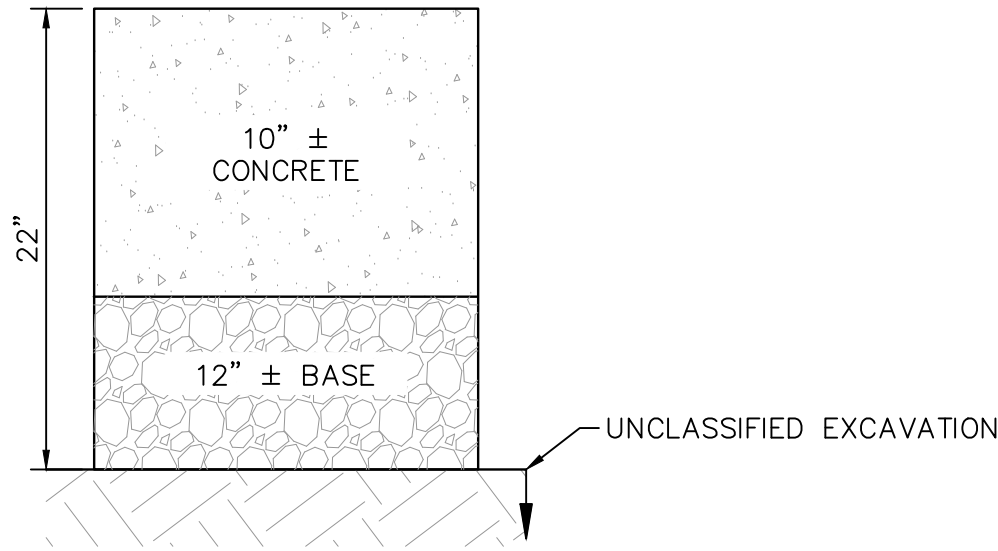
K:\FTL\AVIATION\044693068 - FXE FOX TROT RELOCATION\CADD\PLANSHEETS\12243-C37-DEMO.DWG



DEMO DETAIL 1 – FULL DEPTH ASPHALT PAVEMENT REMOVAL
N.T.S.



DEMO DETAIL 2 – FULL DEPTH ASPHALT PAVEMENT REMOVAL
ADJACENT TO ASPHALT PAVEMENT TO REMAIN
N.T.S.



DEMO DETAIL 3 – FULL DEPTH PCC PAVEMENT REMOVAL
N.T.S.

CALL 48 HOURS BEFORE YOU DIG

IT'S THE LAW!
DIAL 811

SUNSHINE STATE ONE CALL OF FLORIDA, INC.

CALL 48 HOURS BEFORE DIGGING
FAA FACILITIES 954-356-7212

Know what's below.
Call before you dig.

Kimley-Horn
Kimley-Horn and Associates, Inc.
©2019 KIMLEY-HORN AND ASSOCIATES, INC.
1920 WENONA WAY, SUITE 200, WEST PALM BEACH, FL 33411
FPOE TEL: CA 0000000000
044693068

HILLERS ELECTRICAL ENGINEERING, INC.
23297 STATE ROAD 7, SUITE 100
BOCA RATON, FLORIDA 33428
(561) 451-9165 PHONE
(561) 451-4886 FAX

BID SET

PROJECT # 12243
TAXIWAY FOXTROT
RELOCATION PROJECT
PAVEMENT DEMOLITION DETAILS

SHEET NO.
C37

OF
70

TOTAL: 103

CAD FILE: 12243-C37-DEMO

DRAWING FILE NO. 4-141-45

CITY OF FORT LAUDERDALE
PUBLIC WORKS DEPARTMENT
ENGINEERING & ARCHITECTURE

100 North Andrews Avenue, Fort Lauderdale, Florida 33301

ENGINEER:
THOMAS F. O'DONNELL
DATE: 04-15-2019
DWG. NO: 02476

DRAWN BY: ALB
DESIGNED BY: MM
CHECKED BY: TFO

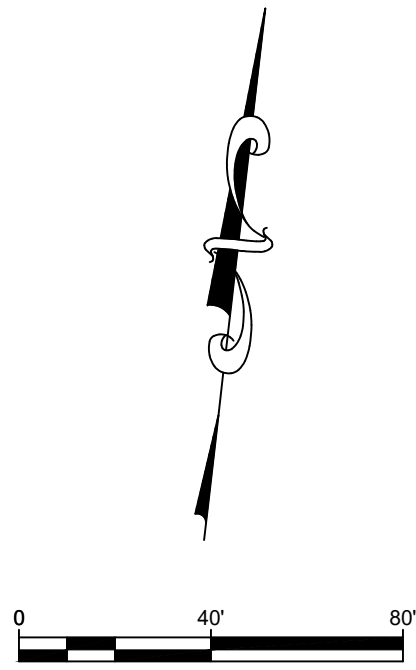
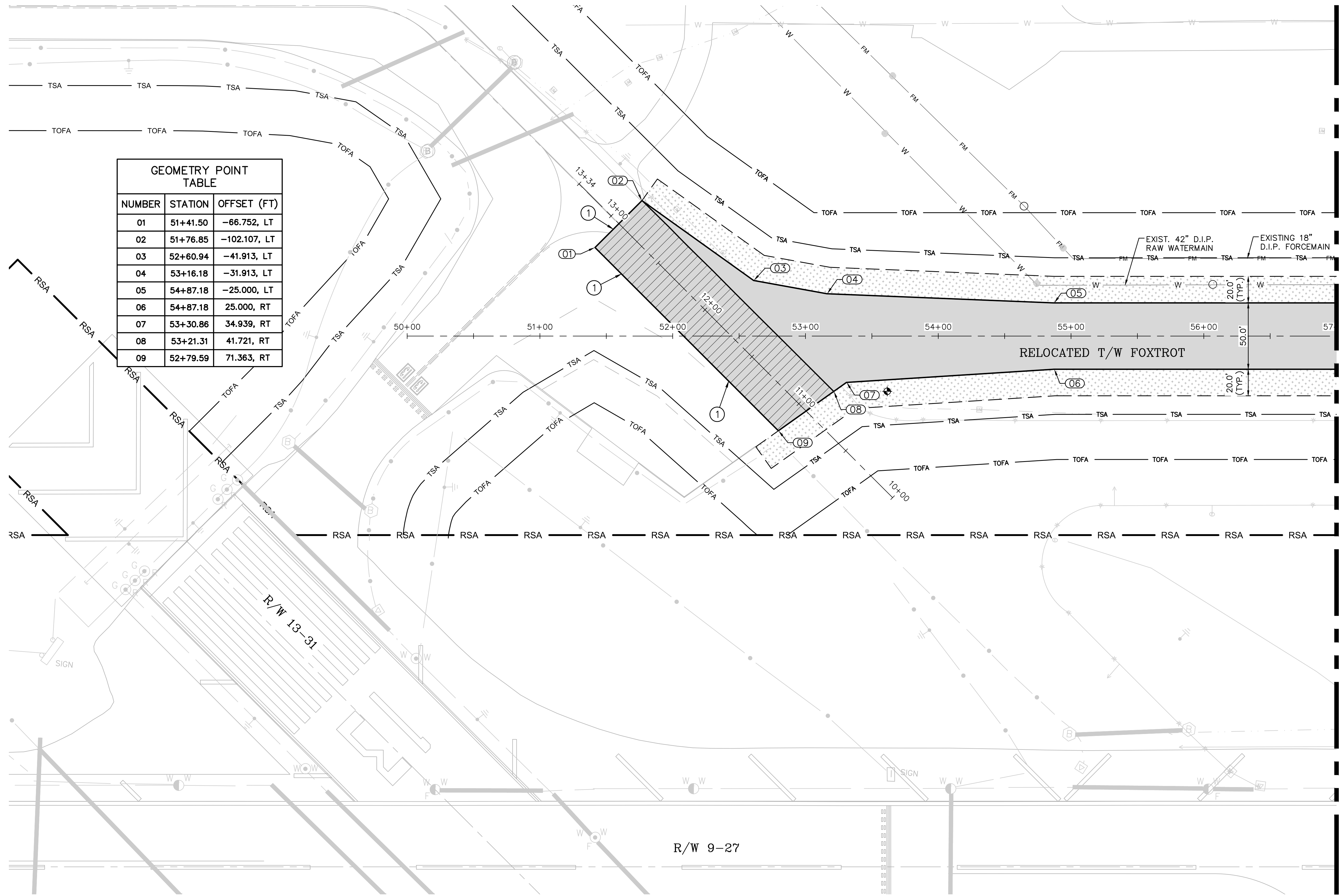
DATE: 04-15-2019
SCALE: AS NOTED
FIELD BOOK: 33301

REVISIONS		DESCRIPTION	
NO.	DATE	BY	CHK'D

CAM #19-1062
Exhibit 3C - Part 3 of 4
Page 19 of 50

p. 626

City of Fort Lauderdale



LEGEND (WORK)

- CONSTRUCT NEW PAVEMENT SECTION TO GRADE. SEE TYPICAL SECTION NO. 1 ON SHEET C28
- MILL 2" AND OVERLAY TO GRADE. SEE TYPICAL SECTION NO. 2 ON SHEET C28
- MILL 1.5" AND OVERLAY TO GRADE. SEE TYPICAL SECTION NO. 3 ON SHEET C28
- BUTT JOINT OVERLAY TRANSITION TO EXISTING. SEE DETAIL SHEET C29
- CONSTRUCT SHOULDER OVERLAY.
- CONSTRUCT STABILIZED SUBGRADE (P-154) ON SHOULDER. SOD 20' ADJACENT TO PAVEMENT EDGE. SEE TYPICAL SECTIONS SHEET C28
- BUTT JOINT TO EXISTING. SEE DETAIL SHEET C29

LEGEND (SYMBOL)

- BENCHMARK
- AIRFIELD GUIDANCE SIGN
- TAXIWAY LIGHT
- RUNWAY LIGHT
- JUNCTION CAN
- JUNCTION CAN PLAZA
- PULLBOX
- FIBER COMM CABINET
- EXISTING CONTOUR
- RSA RUNWAY SAFETY AREA
- TSA TAXIWAY SAFETY AREA
- TOFA TAXIWAY OBJECT FREE AREA

NOTES

- UNDERGROUND UTILITY LOCATIONS ARE APPROXIMATE. CONTRACTOR TO OBTAIN UNDERGROUND UTILITY LOCATION AS REQUIRED BY LAW. SEE GENERAL NOTES SHEET C01. ALL FACILITIES ARE TO REMAIN EXCEPT WHERE OTHERWISE SHOWN. TAKE CARE DURING CONSTRUCTION TO AVOID DAMAGE TO EXISTING ABOVE GROUND AND UNDERGROUND FACILITIES.
- SEE "TYPICAL SECTIONS" SHEETS C28 & C29
- CONTRACTOR WILL PROTECT ALL TAXIWAY EDGE LIGHTS DURING CONSTRUCTION.
- IN CASE WHERE GEOMETRY IS NOT DELINEATED BY STATION/OFFSET, IT SHALL MATCH THE EXISTING LAYOUT OF THE MILLED EDGE OF PAVEMENT.
- REFER TO THE ELECTRICAL PLAN SHEETS FOR TAXIWAY EDGE LIGHTS TO BE RELOCATED

CALL 48 HOURS BEFORE YOU DIG

IT'S THE LAW! DIAL 811

Know what's below. Call before you dig.

SUNSHINE STATE ONE CALL OF FLORIDA, INC.

CALL 48 HOURS BEFORE DIGGING
FAA FACILITIES 954-356-7212

Kimley-Horn
Kimley-Horn and Associates, Inc.
1920 WENDELL WAY, SUITE 200, WEST PALM BEACH, FL 33411
(561) 451-9165 PHONE
(561) 451-4886 FAX

HILLERS ELECTRICAL ENGINEERING, INC.
23297 STATE ROAD 7, SUITE 100
BOCA RATON, FLORIDA 33428
(561) 451-9165 PHONE
(561) 451-4886 FAX

ENGINEER:
THOMAS F. O'DONNELL
Lic. No. 62476
DATE:

DESIGNED BY: SCALE:
MM AS NOTED
CHECKED BY: TFO
FIELD BOOK:

TEL: 561-840-0825
FAX:

DRAWN BY: DATE:
ALB 04-15-2019

DESIGNED BY: SCALE:
MM AS NOTED

CHECKED BY: TFO

FIELD BOOK:

CITY OF FORT LAUDERDALE
PUBLIC WORKS DEPARTMENT
ENGINEERING & ARCHITECTURE
100 North Andrews Avenue, Fort Lauderdale, Florida 33301

NO.	REVISIONS		DESCRIPTION
	BY	CHK'D	

PROJECT # 12243
TAXIWAY FOXROT
RELOCATION PROJECT
PAVEMENT GEOMETRY PLAN

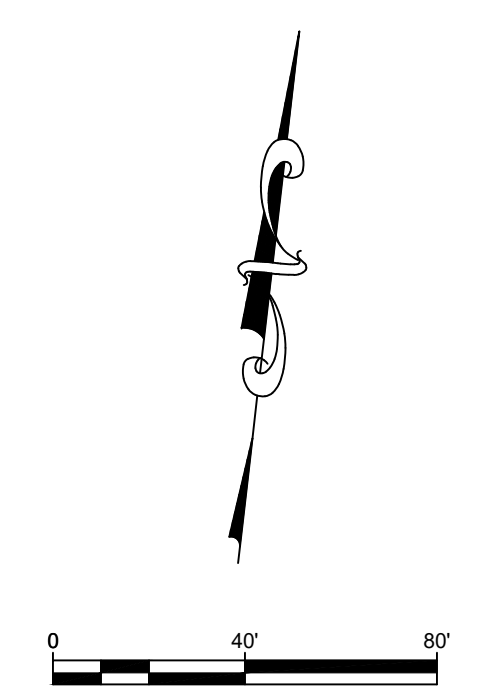
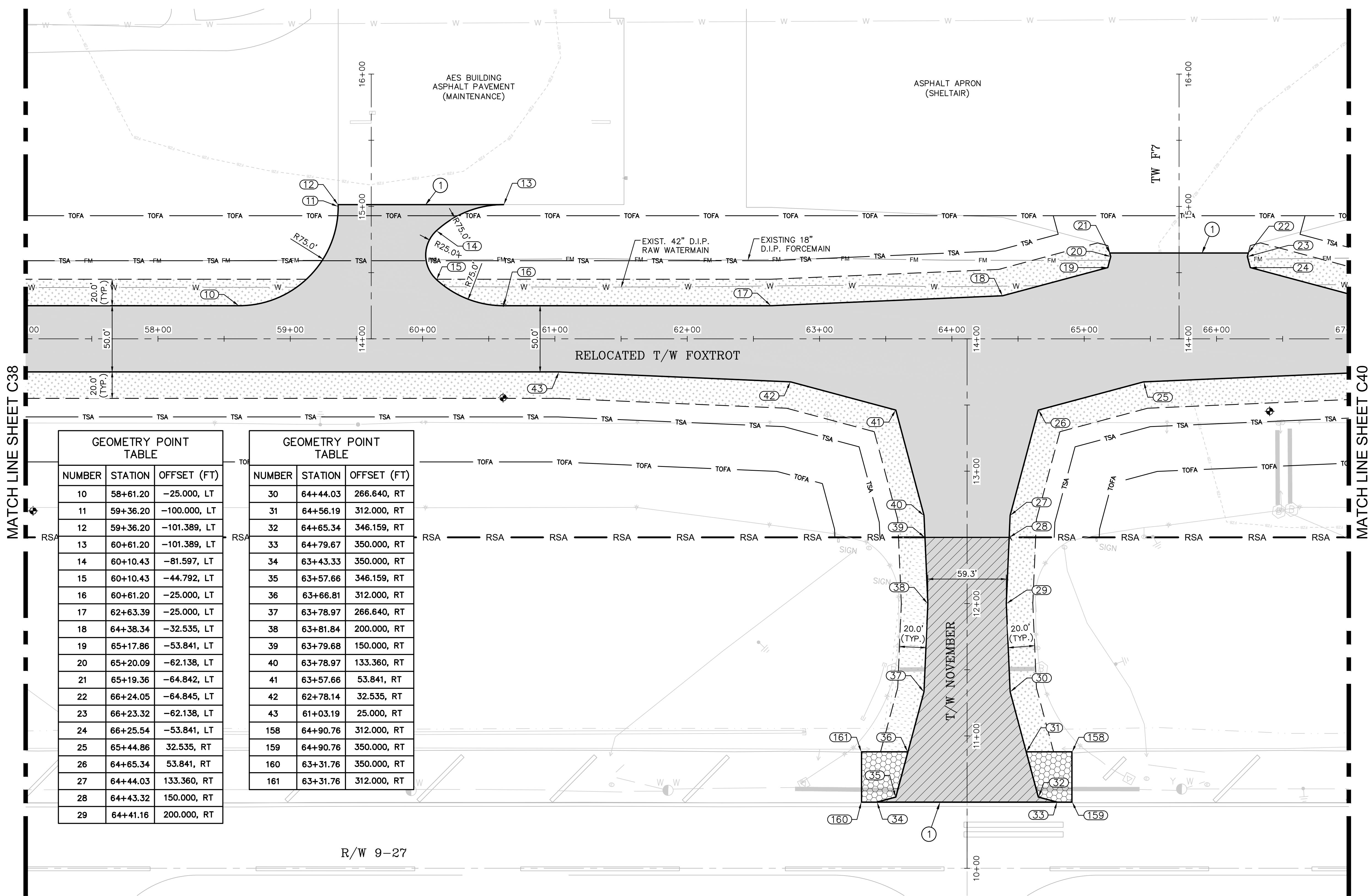
SHEET NO.
C38 70

TOTAL: 103

CAD FILE:
12243-MULTI-GEOM

DRAWING FILE NO.
4-141-45

BID SET



GEOMETRY POINT TABLE		
NUMBER	STATION	OFFSET (FT)
10	58+61.20	-25.000, LT
11	59+36.20	-100.000, LT
12	59+36.20	-101.389, LT
13	60+61.20	-101.389, LT
14	60+10.43	-81.597, LT
15	60+10.43	-44.792, LT
16	60+61.20	-25.000, LT
17	62+63.39	-25.000, LT
18	64+38.34	-32.535, LT
19	65+17.86	-53.841, LT
20	65+20.09	-62.138, LT
21	65+19.36	-64.842, LT
22	66+24.05	-64.845, LT
23	66+23.32	-62.138, LT
24	66+25.54	-53.841, LT
25	65+44.86	32.535, RT
26	64+65.34	53.841, RT
27	64+44.03	133.360, RT
28	64+43.32	150.000, RT
29	64+41.16	200.000, RT

GEOMETRY POINT TABLE		
NUMBER	STATION	OFFSET (FT)
30	64+44.03	266.640, RT
31	64+56.19	312.000, RT
32	64+65.34	346.159, RT
33	64+79.67	350.000, RT
34	63+43.33	350.000, RT
35	63+57.66	346.159, RT
36	63+66.81	312.000, RT
37	63+78.97	266.640, RT
38	63+81.84	200.000, RT
39	63+79.68	150.000, RT
40	63+78.97	133.360, RT
41	63+57.66	53.841, RT
42	62+78.14	32.535, RT
43	61+03.19	25.000, RT
158	64+90.76	312.000, RT
159	64+90.76	350.000, RT
160	63+31.76	350.000, RT
161	63+31.76	312.000, RT

LEGEND (WORK)

- CONSTRUCT NEW PAVEMENT SECTION TO GRADE. SEE TYPICAL SECTION NO. 1 ON SHEET C28
- MILL 2" AND OVERLAY TO GRADE. SEE TYPICAL SECTION NO. 2 ON SHEET C28
- MILL 1.5" AND OVERLAY TO GRADE. SEE TYPICAL SECTION NO. 3 ON SHEET C28
- BUTT JOINT OVERLAY TRANSITION TO EXISTING. SEE DETAIL SHEET C29
- CONSTRUCT SHOULDER OVERLAY.
- CONSTRUCT STABILIZED SUBGRADE (P-154) ON SHOULDER. SOD 20' ADJACENT TO PAVEMENT EDGE. SEE TYPICAL SECTIONS SHEET C28
- BUTT JOINT TO EXISTING. SEE DETAIL SHEET C29

LEGEND (SYMBOL)

- BENCHMARK
- AIRFIELD GUIDANCE SIGN
- TAXIWAY LIGHT
- RUNWAY LIGHT
- JUNCTION CAN
- JUNCTION CAN PLAZA
- PULLBOX
- FIBER COMM CABINET
- EXISTING CONTOUR
- RSA RUNWAY SAFETY AREA
- TSA TAXIWAY SAFETY AREA
- TOFA TAXIWAY OBJECT FREE AREA

NOTES

- UNDERGROUND UTILITY LOCATIONS ARE APPROXIMATE. CONTRACTOR TO OBTAIN UNDERGROUND UTILITY LOCATION AS REQUIRED BY LAW. SEE GENERAL NOTES SHEET C01. ALL FACILITIES ARE TO REMAIN EXCEPT WHERE OTHERWISE SHOWN. TAKE CARE DURING CONSTRUCTION TO AVOID DAMAGE TO EXISTING ABOVE GROUND AND UNDERGROUND FACILITIES.
- SEE "TYPICAL SECTIONS" SHEETS C28 & C29
- CONTRACTOR WILL PROTECT ALL TAXIWAY EDGE LIGHTS DURING CONSTRUCTION.
- IN CASE WHERE GEOMETRY IS NOT DELINEATED BY STATION/OFFSET, IT SHALL MATCH THE EXISTING LAYOUT OF THE MILLED EDGE OF PAVEMENT.
- REFER TO THE ELECTRICAL PLAN SHEETS FOR TAXIWAY EDGE LIGHTS TO BE RELOCATED

CALL 48 HOURS BEFORE YOU DIG

IT'S THE LAW! DIAL 811

Know what's below. Call before you dig.

SUNSHINE STATE ONE CALL OF FLORIDA, INC.

CALL 48 HOURS BEFORE DIGGING FAA FACILITIES 954-356-7212

Kimley-Horn
Kimley-Horn and Associates, Inc.
3019 KIMLEY-HORN AND ASSOCIATES, INC.
1920 WENONA WAY, SUITE 200, WEST PALM BEACH, FL 33411
TEL: 561-833-8888 FAX: 561-833-8888

HILLERS ELECTRICAL ENGINEERING, INC.
23297 STATE ROAD 7, SUITE 100
BOCA RATON, FLORIDA 33428
(561) 451-9165 PHONE
(561) 451-4886 FAX

ENGINEER: THOMAS F. O'DONNELL
DATE: 04-15-2019
DESIGNED BY: SCALE: AS NOTED
CHECKED BY: TFO
FIELD BOOK: 581-840-0825

CITY OF FORT LAUDERDALE
PUBLIC WORKS DEPARTMENT
ENGINEERING & ARCHITECTURE
100 North Andrews Avenue, Fort Lauderdale, Florida 33301

REVISIONS

NO.	DATE	BY	CHK'D	DESCRIPTION

PROJECT # 12243
TAXIWAY FOXROT
RELOCATION PROJECT
PAVEMENT GEOMETRY PLAN

SHEET NO. **C39** 70

TOTAL: 103

CAD FILE: 12243-MULTI-GEOM

DRAWING FILE NO. 4-141-45

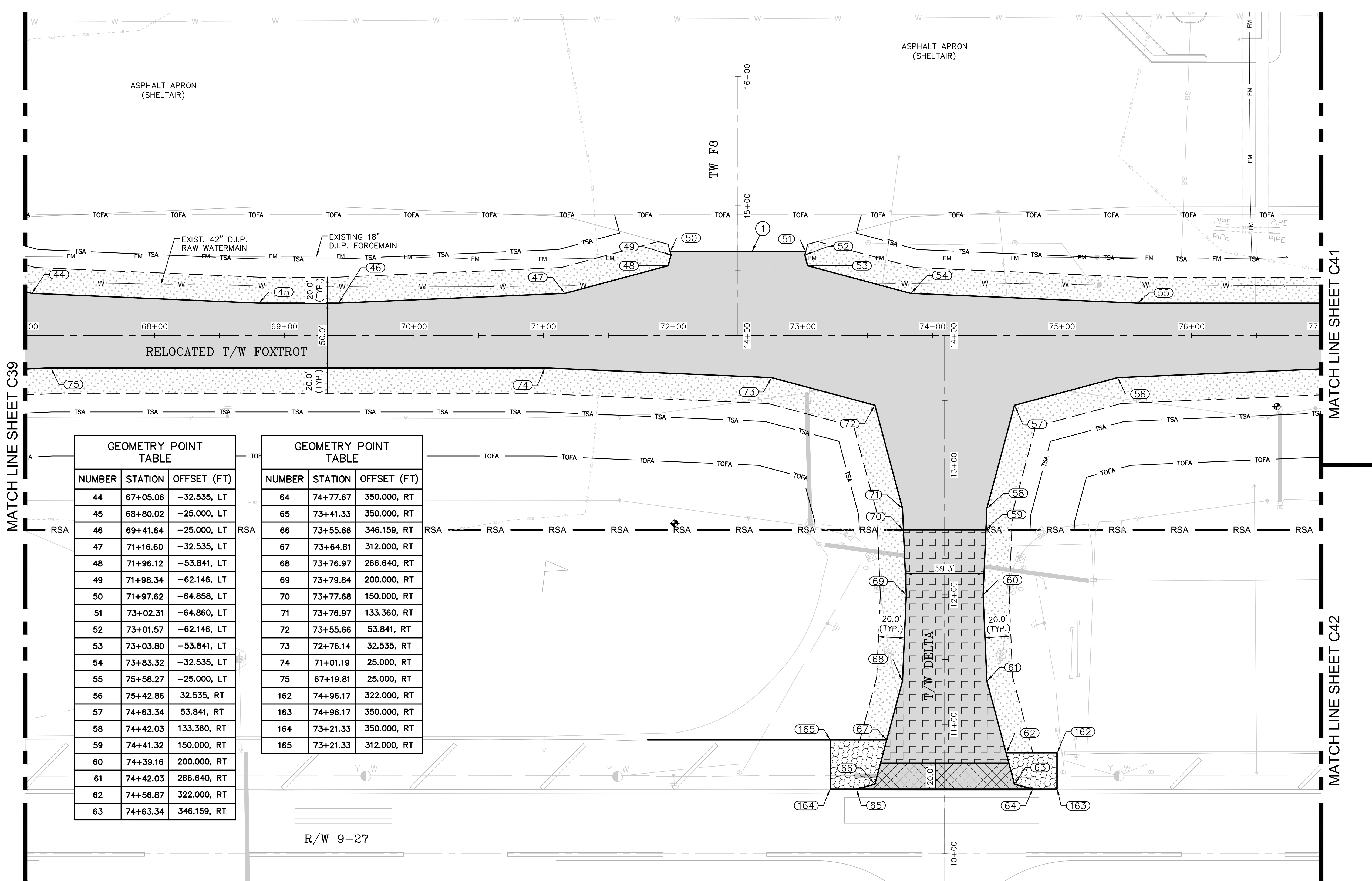
BID SET

K:\FLT\AVIATION\044693068 - FXE FOX TROT RELOCATION\CADD\PLANSHEETS\12243-MULTI-GEOM .DWG

MATCH LINE SHEET C39

MATCH LINE SHEET C41

MATCH LINE SHEET C42



GEOMETRY POINT TABLE		
NUMBER	STATION	OFFSET (FT)
44	67+05.06	-32.535, LT
45	68+80.02	-25.000, LT
46	69+41.64	-25.000, LT
47	71+16.60	-32.535, LT
48	71+96.12	-53.841, LT
49	71+98.34	-62.146, LT
50	71+97.62	-64.858, LT
51	73+02.31	-64.860, LT
52	73+01.57	-62.146, LT
53	73+03.80	-53.841, LT
54	73+83.32	-32.535, LT
55	75+58.27	-25.000, LT
56	75+42.86	32.535, RT
57	74+63.34	53.841, RT
58	74+42.03	133.360, RT
59	74+41.32	150.000, RT
60	74+39.16	200.000, RT
61	74+42.03	266.640, RT
62	74+56.87	322.000, RT
63	74+63.34	346.159, RT

GEOMETRY POINT TABLE		
NUMBER	STATION	OFFSET (FT)
64	74+77.67	350.000, RT
65	73+41.33	350.000, RT
66	73+55.66	346.159, RT
67	73+64.81	312.000, RT
68	73+76.97	266.640, RT
69	73+79.84	200.000, RT
70	73+77.68	150.000, RT
71	73+76.97	133.360, RT
72	73+55.66	53.841, RT
73	72+76.14	32.535, RT
74	71+01.19	25.000, RT
75	67+19.81	25.000, RT
162	74+96.17	322.000, RT
163	74+96.17	350.000, RT
164	73+21.33	350.000, RT
165	73+21.33	312.000, RT

LEGEND (WORK)

- CONSTRUCT NEW PAVEMENT SECTION TO GRADE. SEE TYPICAL SECTION NO. 1 ON SHEET C28
- MILL 2" AND OVERLAY TO GRADE. SEE TYPICAL SECTION NO. 2 ON SHEET C28
- MILL 1.5" AND OVERLAY TO GRADE. SEE TYPICAL SECTION NO. 3 ON SHEET C28
- BUTT JOINT OVERLAY TRANSITION TO EXISTING. SEE DETAIL SHEET C29
- CONSTRUCT SHOULDER OVERLAY. SEE DETAIL SHEET C29
- CONSTRUCT STABILIZED SUBGRADE (P-154) ON SHOULDER. SOD 20' ADJACENT TO PAVEMENT EDGE. SEE TYPICAL SECTIONS SHEET C28
- BUTT JOINT TO EXISTING. SEE DETAIL SHEET C29

LEGEND (SYMBOL)

- BENCHMARK
- AIRFIELD GUIDANCE SIGN
- TAXIWAY LIGHT
- RUNWAY LIGHT
- JUNCTION CAN
- JUNCTION CAN PLAZA
- PULLBOX
- FIBER COMM CABINET
- EXISTING CONTOUR
- RSA RUNWAY SAFETY AREA
- TSA TAXIWAY SAFETY AREA
- TOFA TAXIWAY OBJECT FREE AREA

NOTES

- UNDERGROUND UTILITY LOCATIONS ARE APPROXIMATE. CONTRACTOR TO OBTAIN UNDERGROUND UTILITY LOCATION AS REQUIRED BY LAW. SEE GENERAL NOTES SHEET C01. ALL FACILITIES ARE TO REMAIN EXCEPT WHERE OTHERWISE SHOWN. TAKE CARE DURING CONSTRUCTION TO AVOID DAMAGE TO EXISTING ABOVE GROUND AND UNDERGROUND FACILITIES.
- SEE "TYPICAL SECTIONS" SHEETS C28 & C29
- CONTRACTOR WILL PROTECT ALL TAXIWAY EDGE LIGHTS DURING CONSTRUCTION.
- IN CASE WHERE GEOMETRY IS NOT DELINEATED BY STATION/OFFSET, IT SHALL MATCH THE EXISTING LAYOUT OF THE MILLED EDGE OF PAVEMENT.
- REFER TO THE ELECTRICAL PLAN SHEETS FOR TAXIWAY EDGE LIGHTS TO BE RELOCATED

CALL 48 HOURS BEFORE YOU DIG

IT'S THE LAW! DIAL 811

Know what's below. Call before you dig.

SUNSHINE STATE ONE CALL OF FLORIDA, INC.

CALL 48 HOURS BEFORE DIGGING
FAA FACILITIES 954-356-7212

Kimley-Horn

Kimley-Horn and Associates, Inc.

©2019 KIMLEY-HORN AND ASSOCIATES, INC.

1920 WENONA WAY, SUITE 200, WEST PALM BEACH, FL 33411

PHONE: 561-845-0000 FAX: 561-845-0008

HILLERS ELECTRICAL

ENGINEERING, INC.

23297 STATE ROAD 7, SUITE 100

BOCA RATON, FLORIDA 33428

(561) 451-9165 PHONE

(561) 451-4886 FAX

BID SET

PROJECT # 12243
TAXIWAY FOX TROT
RELOCATION PROJECT
PAVEMENT GEOMETRY PLAN

SHEET NO.	
C40	70
TOTAL:	103
CAD FILE:	12243-MULTI-GEOM
DRAWING FILE NO.	4-141-45

CITY OF FORT LAUDERDALE
PUBLIC WORKS DEPARTMENT
ENGINEERING & ARCHITECTURE
100 North Andrews Avenue, Fort Lauderdale, Florida 33301

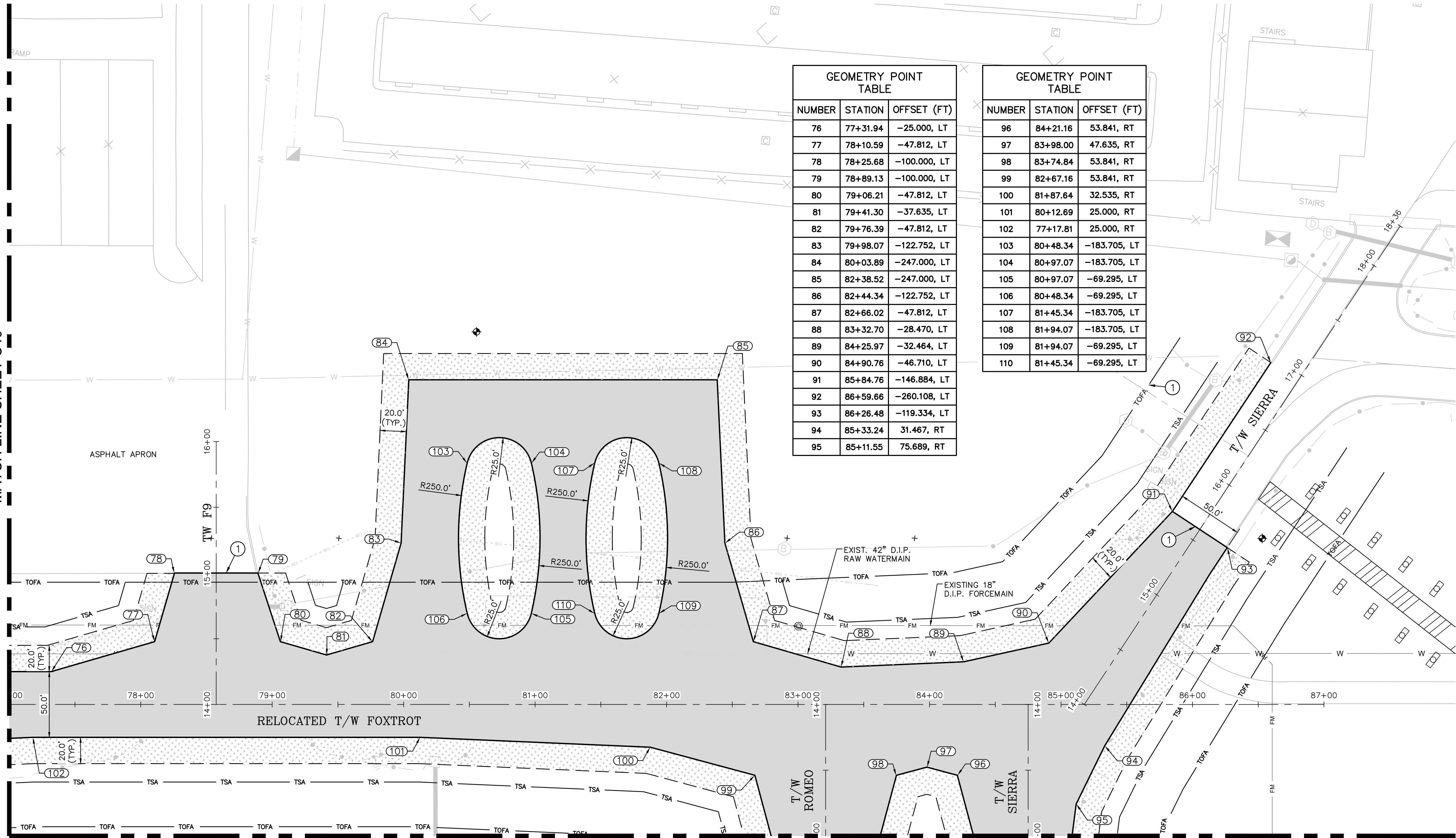
REVISIONS	
NO.	DESCRIPTION

ENGINEER: THOMAS F. O'DONNELL
DRAWN: No. 62476
DATE: 04-15-2019
DESIGNED BY: SCALE: AS NOTED
CHECKED BY: TFO
FIELD BOOK: 33301

TEL: 561-840-0825
FAX: 561-840-0825

K:\FL\AVIATION\044693068 - FXE FOX TROT RELOCATION\CADD\PLANSHEETS\12243-MULTI-GEOM.DWG

MATCH LINE SHEET C40



MATCHLINE SHEET C42

LEGEND (WORK)

- CONSTRUCT NEW PAVEMENT SECTION TO GRADE. SEE TYPICAL SECTION NO. 1 ON SHEET C28
- MILL 2" AND OVERLAY TO GRADE. SEE TYPICAL SECTION NO. 2 ON SHEET C28
- MILL 1.5" AND OVERLAY TO GRADE. SEE TYPICAL SECTION NO. 3 ON SHEET C28
- BUTT JOINT OVERLAY TRANSITION TO EXISTING. SEE DETAIL SHEET C29
- CONSTRUCT SHOULDER OVERLAY. SEE DETAIL SHEET C29
- CONSTRUCT STABILIZED SUBGRADE (P-154) ON SHOULDER. SOD 20' ADJACENT TO PAVEMENT EDGE. SEE TYPICAL SECTIONS SHEET C28
- BUTT JOINT TO EXISTING. SEE DETAIL SHEET C29

LEGEND (SYMBOL)

- BENCHMARK
- AIRFIELD GUIDANCE SIGN
- TAXIWAY LIGHT
- RUNWAY LIGHT
- JUNCTION CAN
- JUNCTION CAN PLAZA
- PULLBOX
- FIBER COMM CABINET
- EXISTING CONTOUR
- RSA RUNWAY SAFETY AREA
- TSA TAXIWAY SAFETY AREA
- TOFA TAXIWAY OBJECT FREE AREA

NOTES

- UNDERGROUND UTILITY LOCATIONS ARE APPROXIMATE. CONTRACTOR TO OBTAIN UNDERGROUND UTILITY LOCATION AS REQUIRED BY LAW. SEE GENERAL NOTES SHEET C01. ALL FACILITIES ARE TO REMAIN EXCEPT WHERE OTHERWISE SHOWN. TAKE CARE DURING CONSTRUCTION TO AVOID DAMAGE TO EXISTING ABOVE GROUND AND UNDERGROUND FACILITIES.
- SEE "TYPICAL SECTIONS" SHEETS C28 & C29
- CONTRACTOR WILL PROTECT ALL TAXIWAY EDGE LIGHTS DURING CONSTRUCTION.
- IN CASE WHERE GEOMETRY IS NOT DELINEATED BY STATION/OFFSET, IT SHALL MATCH THE EXISTING LAYOUT OF THE MILLED EDGE OF PAVEMENT.
- REFER TO THE ELECTRICAL PLAN SHEETS FOR TAXIWAY EDGE LIGHTS TO BE RELOCATED

CALL 48 HOURS BEFORE YOU DIG
IT'S THE LAW! DIAL 811
Know what's below. Call before you dig.
SUNSHINE STATE ONE CALL OF FLORIDA, INC.

Kimley-Horn
Kimley-Horn and Associates, Inc.
©2019 KIMLEY-HORN AND ASSOCIATES, INC.
1920 WENONA WAY, SUITE 200, WEST PALM BEACH, FL 33411
(561) 451-9165 PHONE
(561) 451-4886 FAX

HILLERS ELECTRICAL ENGINEERING, INC.
23297 STATE ROAD 7, SUITE 100
BOCA RATON, FLORIDA 33428
(561) 451-9165 PHONE
(561) 451-4886 FAX

BID SET

PROJECT # 12243
TAXIWAY FOX TROT
RELOCATION PROJECT
PAVEMENT GEOMETRY PLAN

SHEET NO.	C41	70
TOTAL:	103	
CAD FILE:	12243-MULTI-GEOM	
DRAWING FILE NO.	4-141-45	

ENGINEER:
THOMAS F. O'DONNELL
Lic. No. 62476
DATE:

DRAWN BY:
ALB
DATE: 04-15-2019

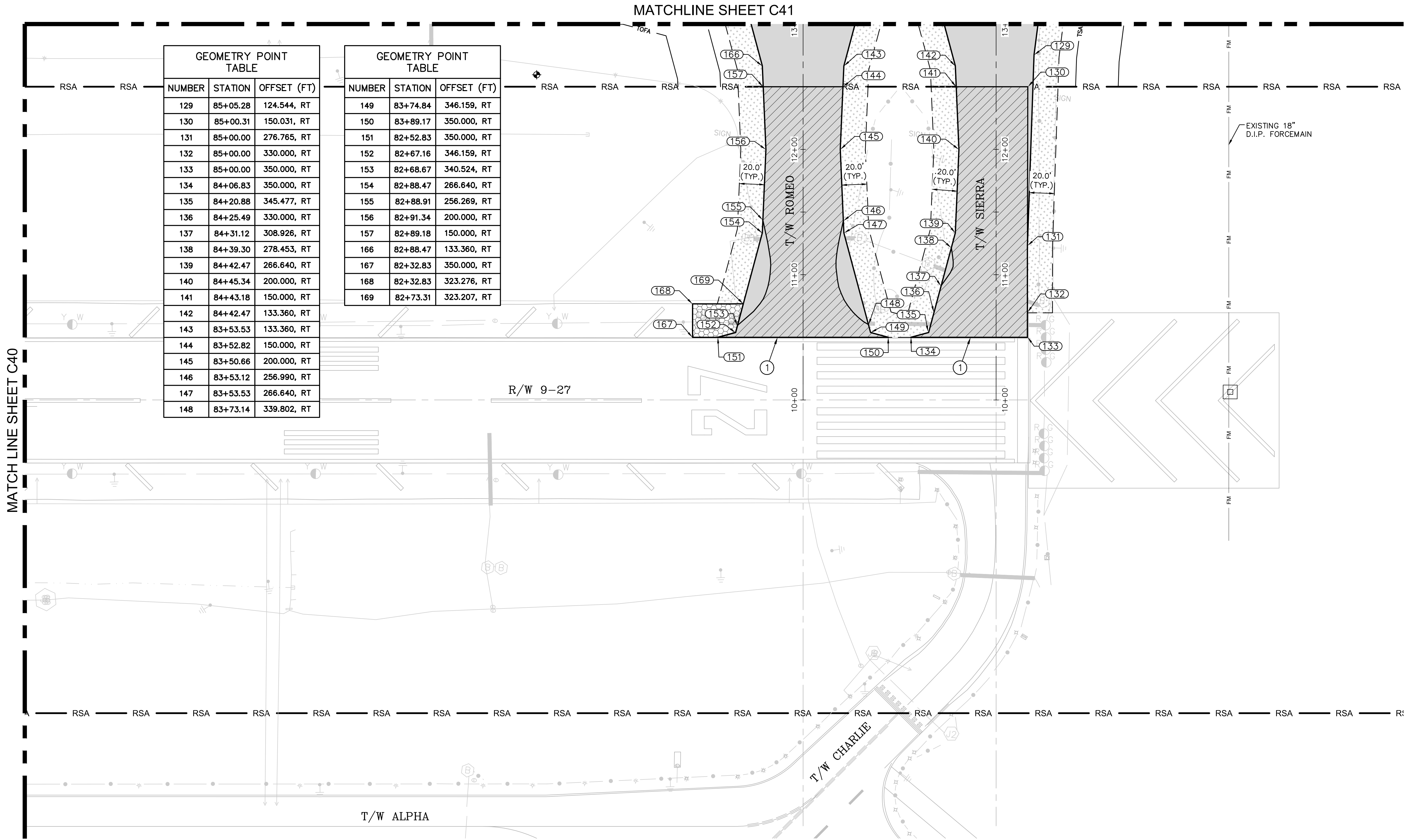
DESIGNED BY:
MM
SCALE:

CHECKED BY:
TFO
AS NOTED

FIELD BOOK:

CITY OF FORT LAUDERDALE
PUBLIC WORKS DEPARTMENT
ENGINEERING & ARCHITECTURE
100 North Andrews Avenue, Fort Lauderdale, Florida 33301

REVISIONS		DESCRIPTION	
NO.	DATE	BY	CHK'D



GEOMETRY POINT TABLE		
NUMBER	STATION	OFFSET (FT)
129	85+05.28	124.544, RT
130	85+00.31	150.031, RT
131	85+00.00	276.765, RT
132	85+00.00	330.000, RT
133	85+00.00	350.000, RT
134	84+06.83	350.000, RT
135	84+20.88	345.477, RT
136	84+25.49	330.000, RT
137	84+31.12	308.926, RT
138	84+39.30	278.453, RT
139	84+42.47	266.640, RT
140	84+45.34	200.000, RT
141	84+43.18	150.000, RT
142	84+42.47	133.360, RT
143	83+53.53	133.360, RT
144	83+52.82	150.000, RT
145	83+50.66	200.000, RT
146	83+53.12	256.990, RT
147	83+53.53	266.640, RT
148	83+73.14	339.802, RT

GEOMETRY POINT TABLE		
NUMBER	STATION	OFFSET (FT)
149	83+74.84	346.159, RT
150	83+89.17	350.000, RT
151	82+52.83	350.000, RT
152	82+67.16	346.159, RT
153	82+68.67	340.524, RT
154	82+88.47	266.640, RT
155	82+88.91	256.269, RT
156	82+91.34	200.000, RT
157	82+89.18	150.000, RT
166	82+88.47	133.360, RT
167	82+32.83	350.000, RT
168	82+32.83	323.276, RT
169	82+73.31	323.207, RT

LEGEND (WORK)

- CONSTRUCT NEW PAVEMENT SECTION TO GRADE. SEE TYPICAL SECTION NO. 1 ON SHEET C28
- MILL 2" AND OVERLAY TO GRADE. SEE TYPICAL SECTION NO. 2 ON SHEET C28
- MILL 1.5" AND OVERLAY TO GRADE. SEE TYPICAL SECTION NO. 3 ON SHEET C28
- BUTT JOINT OVERLAY TRANSITION TO EXISTING. SEE DETAIL SHEET C29
- CONSTRUCT SHOULDER OVERLAY. SEE DETAIL SHEET C29
- CONSTRUCT STABILIZED SUBGRADE (P-154) ON SHOULDER. SOD 20' ADJACENT TO PAVEMENT EDGE. SEE TYPICAL SECTIONS SHEET C28
- BUTT JOINT TO EXISTING. SEE DETAIL SHEET C29

LEGEND (SYMBOL)

- BENCHMARK
- AIRFIELD GUIDANCE SIGN
- TAXIWAY LIGHT
- RUNWAY LIGHT
- JUNCTION CAN
- JUNCTION CAN PLAZA
- PULLBOX
- FIBER COMM CABINET
- EXISTING CONTOUR
- RSA RUNWAY SAFETY AREA
- TSA TAXIWAY SAFETY AREA
- TOFA TAXIWAY OBJECT FREE AREA

NOTES

- UNDERGROUND UTILITY LOCATIONS ARE APPROXIMATE. CONTRACTOR TO OBTAIN UNDERGROUND UTILITY LOCATION AS REQUIRED BY LAW. SEE GENERAL NOTES SHEET C01. ALL FACILITIES ARE TO REMAIN EXCEPT WHERE OTHERWISE SHOWN. TAKE CARE DURING CONSTRUCTION TO AVOID DAMAGE TO EXISTING ABOVE GROUND AND UNDERGROUND FACILITIES.
- SEE "TYPICAL SECTIONS" SHEETS C28 & C29
- CONTRACTOR WILL PROTECT ALL TAXIWAY EDGE LIGHTS DURING CONSTRUCTION.
- IN CASE WHERE GEOMETRY IS NOT DELINEATED BY STATION/OFFSET, IT SHALL MATCH THE EXISTING LAYOUT OF THE MILLED EDGE OF PAVEMENT.
- REFER TO THE ELECTRICAL PLAN SHEETS FOR TAXIWAY EDGE LIGHTS TO BE RELOCATED

CALL 48 HOURS BEFORE YOU DIG

IT'S THE LAW! DIAL 811

Know what's below. Call before you dig.

SUNSHINE STATE ONE CALL OF FLORIDA, INC.

CALL 48 HOURS BEFORE DIGGING
FAA FACILITIES 954-356-7212

Kimley-Horn
Kimley-Horn and Associates, Inc.
1920 WENONA WAY, SUITE 200, WEST PALM BEACH, FL 33411
TEL: 561-966-8888
FAX: 561-966-8888

HILLERS ELECTRICAL ENGINEERING, INC.
23297 STATE ROAD 7, SUITE 100
BOCA RATON, FLORIDA 33428
(561) 451-9185 PHONE
(561) 451-4886 FAX

BID SET

PROJECT # 12243
TAXIWAY FOX TROT
RELOCATION PROJECT
PAVEMENT GEOMETRY PLAN

SHEET NO.	C42	70
TOTAL:	103	
CAD FILE:	12243-MULTI-GEOM	
DRAWING FILE NO.	4-141-45	

ENGINEER:
THOMAS F. O'DONNELL
Lic. No. 62476
DATE:

DRAWN BY:
ALB
DATE: 04-15-2019

DESIGNED BY:
MM
SCALE: AS NOTED














CHECKED BY:
TFO
FIELD BOOK:

TEL: 561-840-0825
FAX:

CITY OF FORT LAUDERDALE
PUBLIC WORKS DEPARTMENT
ENGINEERING & ARCHITECTURE
100 North Andrews Avenue, Fort Lauderdale, Florida 33301

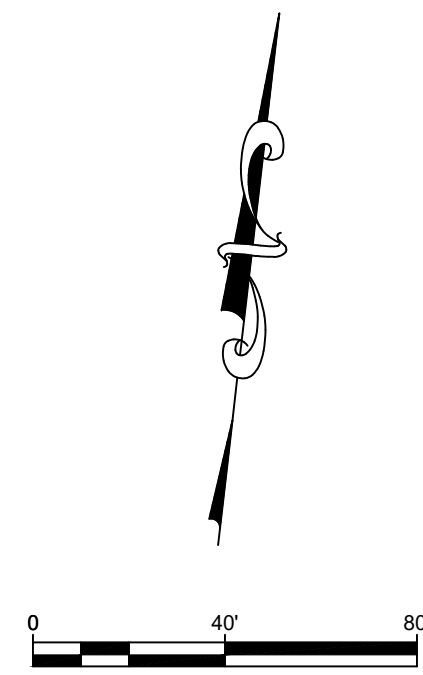
REVISIONS		DESCRIPTION	
NO.	DATE	BY	CHK'D

NOTES

- | | |
|---|----------------------------|
|  | EXISTING CONTOUR |
|  | PROPOSED CONTOUR |
|  | RUNWAY SAFETY AREA |
|  | TAXIWAY SAFETY AREA |
|  | TAXIWAY OBJECT FREE AREA |
|  | AIRFIELD LIGHTING DUCTBANK |
|  | FAA CABLE/CONDUIT |
|  | FORCE MAIN |
|  | WATER LINE |
|  | FIBER OPTIC |
|  | FLOOD ZONE BOUNDARY |
|  | EXISTING STORM DRAIN PIPE |
|  | PROPOSED STORM DRAIN PIPE |

1. UNDERGROUND UTILITY LOCATIONS ARE APPROXIMATE. CONTRACTOR TO OBTAIN UNDERGROUND UTILITY LOCATION AS REQUIRED BY LAW. SEE GENERAL NOTES SHEET C01. ALL FACILITIES ARE TO REMAIN EXCEPT WHERE OTHERWISE SHOWN. TAKE CARE DURING CONSTRUCTION TO AVOID DAMAGE TO EXISTING ABOVE GROUND AND UNDERGROUND FACILITIES.
2. CONTRACTOR SHALL GRADE AROUND ALL EXISTING STRUCTURES TO REMAIN, INCLUDING BUT NOT LIMITED TO TAXIWAY AND RUNWAY SIGNAGE, DRAINAGE INLETS AND ELECTRICAL MANHOLES.
3. REFER TO SHEET C48 FOR STRUCTURE TABLE
4. REFER TO SHEET C32 TO C36 FOR DEMOLITION REQUIREMENTS
5. SEE "TYPICAL SECTIONS" SHEET NOS. C28 & C29
6. CONTRACTOR WILL PROTECT ALL TAXIWAY EDGE LIGHTS DURING CONSTRUCTION.
7. IN CASE WHERE GEOMETRY IS NOT DELINEATED BY STATION/OFFSET, IT SHALL MATCH THE EXISTING LAYOUT OF THE MILLED EDGE OF PAVEMENT.
8. REFER TO THE ELECTRICAL PLAN SHEETS FOR TAXIWAY EDGE LIGHTS AND SIGNAGE TO BE RELOCATED.
9. REFER TO SHEET E26 FOR SIGNS FILL AND GRADING DETAIL

THE ELEVATIONS SHOWN HEREON ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88) TO CONVERT THE ELEVATIONS HEREON TO NATIONAL GEODETIC VERTICAL DATUM (NGVD29) ADD 1.585 FEET.



MATCH LINE SHEET C44

[illegible]

PROJECT # 12243
TAXIWAY FOXTROT
RELOCATION PROJECT
GRADING AND DRAINAGE PLANS


SHEET NO.	OF
C43	70
TOTAL: 103	
CAD FILE: 12243-MULTI-GRAD	
DRAWING FILE NO. 4-141-45	

BID SET

ENGINEER:
THOMAS F. O'DONNELL
REG. No: 62478
DATE:

TEL: 561-840-0825
FAX:

DRAWN BY: ALB	DATE: 04-15-2019
DESIGNED BY: MM	SCALE: AS NOTED
CHECKED BY: TFO	
FIELD BOOK:	


CITY OF FORT LAUDERDALE
PUBLIC WORKS DEPARTMENT
ENGINEERING & ARCHITECTURE
 100 North Andrews Avenue, Fort Lauderdale, Florida 33301

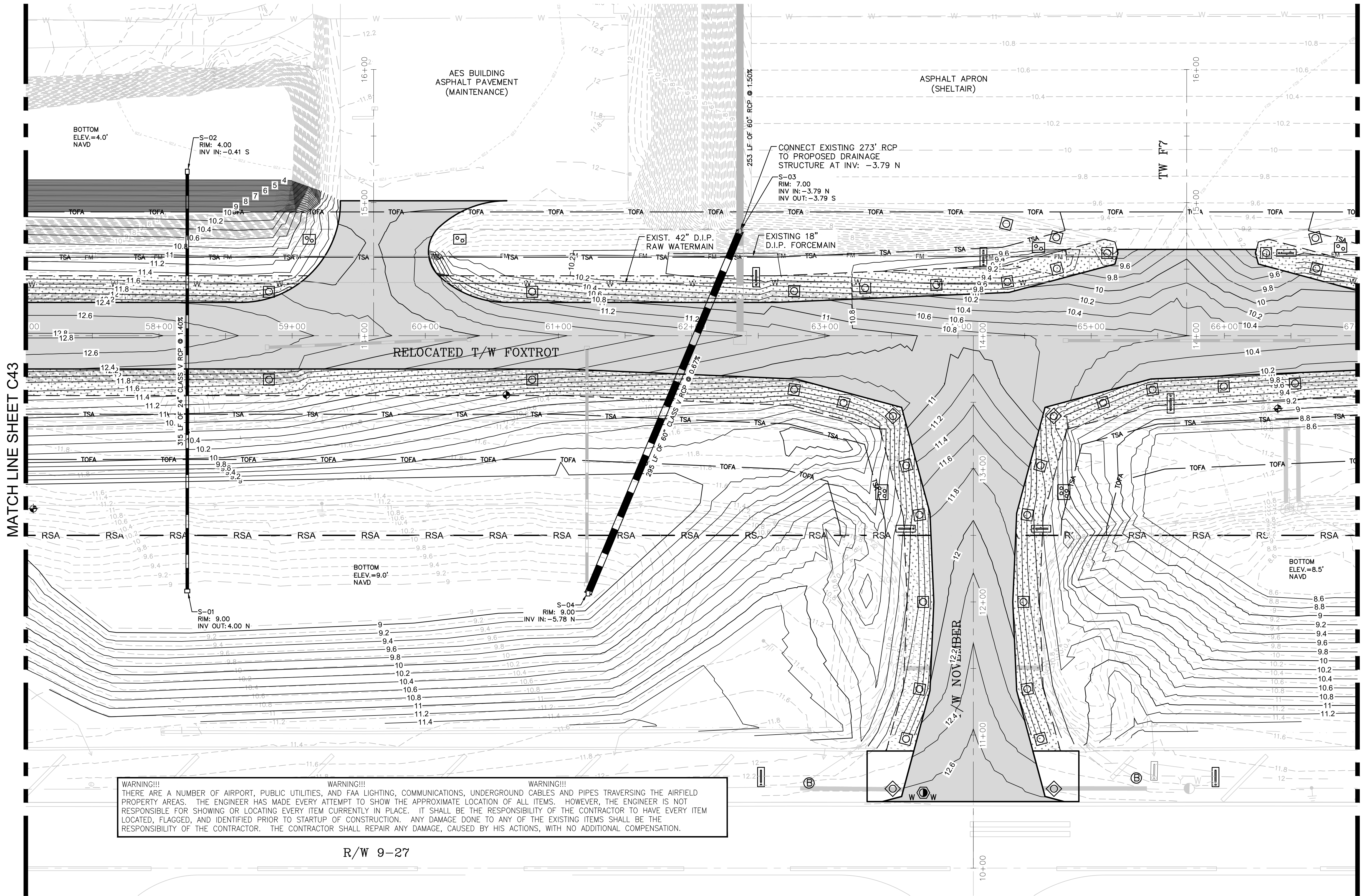
City of Fort Lauderdale

060-11771 019

K:\FL\AVIATION\044693068 - FXE FOX TROT RELOCATION\CADD\PLANSHEETS\12243-MULTI-GRAD.DWG

MATCH LINE SHEET C43

MATCH LINE SHEET C45



LEGEND (SYMBOL)

- BENCHMARK
- AIRFIELD GUIDANCE SIGN
- TAXIWAY LIGHT
- RUNWAY LIGHT
- JUNCTION CAN
- JUNCTION CAN PLAZA
- PULLBOX
- FIBER COMM CABINET
- UTILITY MARKER
- PROPOSED STORM DRAIN PIPE
- EXISTING CATCH BASIN OR INLET
- PROPOSED CATCH BASIN OR INLET

LEGEND (LINE TYPE)

- EXISTING CONTOUR
- PROPOSED CONTOUR
- RSA RUNWAY SAFETY AREA
- TSA TAXIWAY SAFETY AREA
- TOFA TAXIWAY OBJECT FREE AREA
- AFL AIRFIELD LIGHTING DUCTBANK
- FAA FAA CABLE/CONDUIT
- FM FORCE MAIN
- W WATER LINE
- FO FIBER OPTIC
- FZB FLOOD ZONE BOUNDARY
- EXISTING STORM DRAIN PIPE
- PROPOSED STORM DRAIN PIPE

NOTES

- UNDERGROUND UTILITY LOCATIONS ARE APPROXIMATE. CONTRACTOR TO OBTAIN UNDERGROUND UTILITY LOCATION AS REQUIRED BY LAW. SEE GENERAL NOTES SHEET C01. ALL FACILITIES ARE TO REMAIN EXCEPT WHERE OTHERWISE SHOWN. TAKE CARE DURING CONSTRUCTION TO AVOID DAMAGE TO EXISTING ABOVE GROUND AND UNDERGROUND FACILITIES.
- CONTRACTOR SHALL GRADE AROUND ALL EXISTING STRUCTURES TO REMAIN, INCLUDING BUT NOT LIMITED TO TAXIWAY AND RUNWAY SIGNAGE, DRAINAGE INLETS AND ELECTRICAL MANHOLES.
- REFER TO SHEET C48 FOR STRUCTURE TABLE
- REFER TO SHEET C32 TO C36 FOR DEMOLITION REQUIREMENTS
- SEE "TYPICAL SECTIONS" SHEET NOS. C28 & C29
- CONTRACTOR WILL PROTECT ALL TAXIWAY EDGE LIGHTS DURING CONSTRUCTION.
- IN CASE WHERE GEOMETRY IS NOT DELINEATED BY STATION/OFFSET, IT SHALL MATCH THE EXISTING LAYOUT OF THE MILLED EDGE OF PAVEMENT.
- REFER TO THE ELECTRICAL PLAN SHEETS FOR TAXIWAY EDGE LIGHTS AND SIGNAGE TO BE RELOCATED.
- REFER TO SHEET E26 FOR SIGNS FILL AND GRADING DETAIL

THE ELEVATIONS SHOWN HEREON ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88). TO CONVERT THE ELEVATIONS HEREON TO NATIONAL GEODETIC VERTICAL DATUM (NGVD29) ADD 1.585 FEET.

CALL 48 HOURS BEFORE YOU DIG
IT'S THE LAW! DIAL 811
Know what's below. Call before you dig.
SUNSHINE STATE ONE CALL OF FLORIDA, INC.

Kimley-Horn
Kimley-Horn and Associates, Inc.
1920 WENONA WAY, SUITE 200, WEST PALM BEACH, FL 33411
(561) 451-9165 PHONE
(561) 451-4886 FAX

HILLERS ELECTRICAL ENGINEERING, INC.
23297 STATE ROAD 7, SUITE 100
BOCA RATON, FLORIDA 33428
(561) 451-9165 PHONE
(561) 451-4886 FAX

BID SET

PROJECT # 12243
TAXIWAY FOX TROT
RELOCATION PROJECT
GRADING AND DRAINAGE PLANS

SHEET NO. **C44** OF 70

TOTAL: 103
CAD FILE: 12243-MULTI-GRAD
DRAWING FILE NO. 4-141-45

REVISIONS		DESCRIPTION	
NO.	DATE	BY	CHK'D

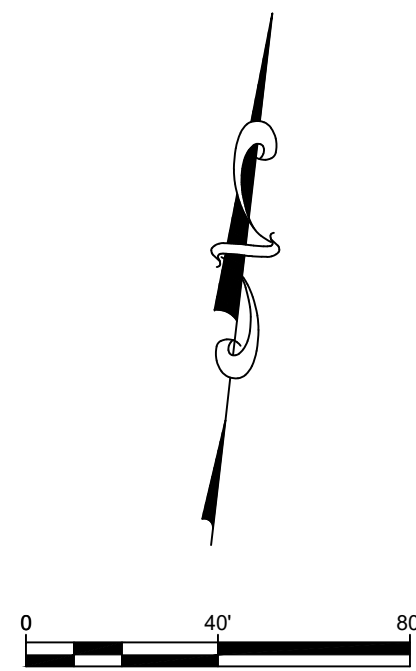
CITY OF FORT LAUDERDALE
PUBLIC WORKS DEPARTMENT
ENGINEERING & ARCHITECTURE
100 North Andrews Avenue, Fort Lauderdale, Florida 33301

ENGINEER: THOMAS F. O'DONNELL
DRAWING NO.: 62476
DATE: 04-15-2019

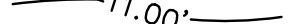











DRAWN BY: ALB
DESIGNED BY: SCALE: AS NOTED
CHECKED BY: MM
TFO
FIELD BOOK: 33301

ENGINEER: THOMAS F. O'DONNELL
DRAWING NO.: 62476
DATE: 04-15-2019

0 40' 80'



	BENCHMARK
	AIRFIELD GUIDANCE SIGN
	TAXIWAY LIGHT
	RUNWAY LIGHT
	JUNCTION CAN
	JUNCTION CAN PLAZA
	PULLBOX
	FIBER COMM CABINET
	UTILITY MARKER
	PROPOSED STORM DRAIN PIPE
	EXISTING CATCH BASIN OR INLET
	PROPOSED CATCH BASIN OR INLET

	EXISTING CONTOUR
	PROPOSED CONTOUR
 RSA	RUNWAY SAFETY AREA
 TSA	TAXIWAY SAFETY AREA
 TFA	TAXIWAY OBJECT FREE AREA
 AFL	AIRFIELD LIGHTING DUCTBANK
 FAA	FAA CABLE/CONDUIT
 FM	FORCE MAIN
 W	WATER LINE
 FO	FIBER OPTIC
 FZB	FLOOD ZONE BOUNDARY
	EXISTING STORM DRAIN PIPE
	PROPOSED STORM DRAIN PIPE

1. UNDERGROUND UTILITY LOCATIONS ARE APPROXIMATE. CONTRACTOR TO OBTAIN UNDERGROUND UTILITY LOCATION AS REQUIRED BY LAW. SEE GENERAL NOTES SHEET C01. ALL FACILITIES ARE TO REMAIN EXCEPT WHERE OTHERWISE SHOWN. TAKE CARE DURING CONSTRUCTION TO AVOID DAMAGE TO EXISTING ABOVE GROUND AND UNDERGROUND FACILITIES.
2. CONTRACTOR SHALL GRADE AROUND ALL EXISTING STRUCTURES TO REMAIN, INCLUDING BUT NOT LIMITED TO TAXIWAY AND RUNWAY SIGNAGE, DRAINAGE INLETS AND ELECTRICAL MANHOLES.
3. REFER TO SHEET C48 FOR STRUCTURE TABLE
4. REFER TO SHEET C32 TO C36 FOR DEMOLITION REQUIREMENTS
5. SEE "TYPICAL SECTIONS" SHEET NOS. C28 & C29
6. CONTRACTOR WILL PROTECT ALL TAXIWAY EDGE LIGHTS DURING CONSTRUCTION.
7. IN CASE WHERE GEOMETRY IS NOT DELINEATED BY STATION/OFFSET, IT SHALL MATCH THE EXISTING LAYOUT OF THE MILLED EDGE OF PAVEMENT.
8. REFER TO THE ELECTRICAL PLAN SHEETS FOR TAXIWAY EDGE LIGHTS AND SIGNAGE TO BE RELOCATED.
9. REFER TO SHEET E26 FOR SIGNS FILL AND GRADING DETAIL

THE ELEVATIONS SHOWN HEREON ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).
TO CONVERT THE ELEVATIONS HEREON TO NATIONAL GEODETIC VERTICAL DATUM (NGVD29) ADD 1.585 FEET.


Kimley-Horn
Kimley-Horn and Associates, Inc.
©2019 KIMLEY-HORN AND ASSOCIATES, INC.
1920 WEKIVA WAY, SUITE 200, WEST PALM BEACH, FL 33411
FBIPE No. CA 00000696
046903008

**HILLERS ELECTRICAL
ENGINEERING, INC.**
23257 STATE ROAD 7, SUITE 100
BOCA RATON, FLORIDA 33428
(561) 451-9165 PHONE
(561) 451-4886 FAX

BID SET

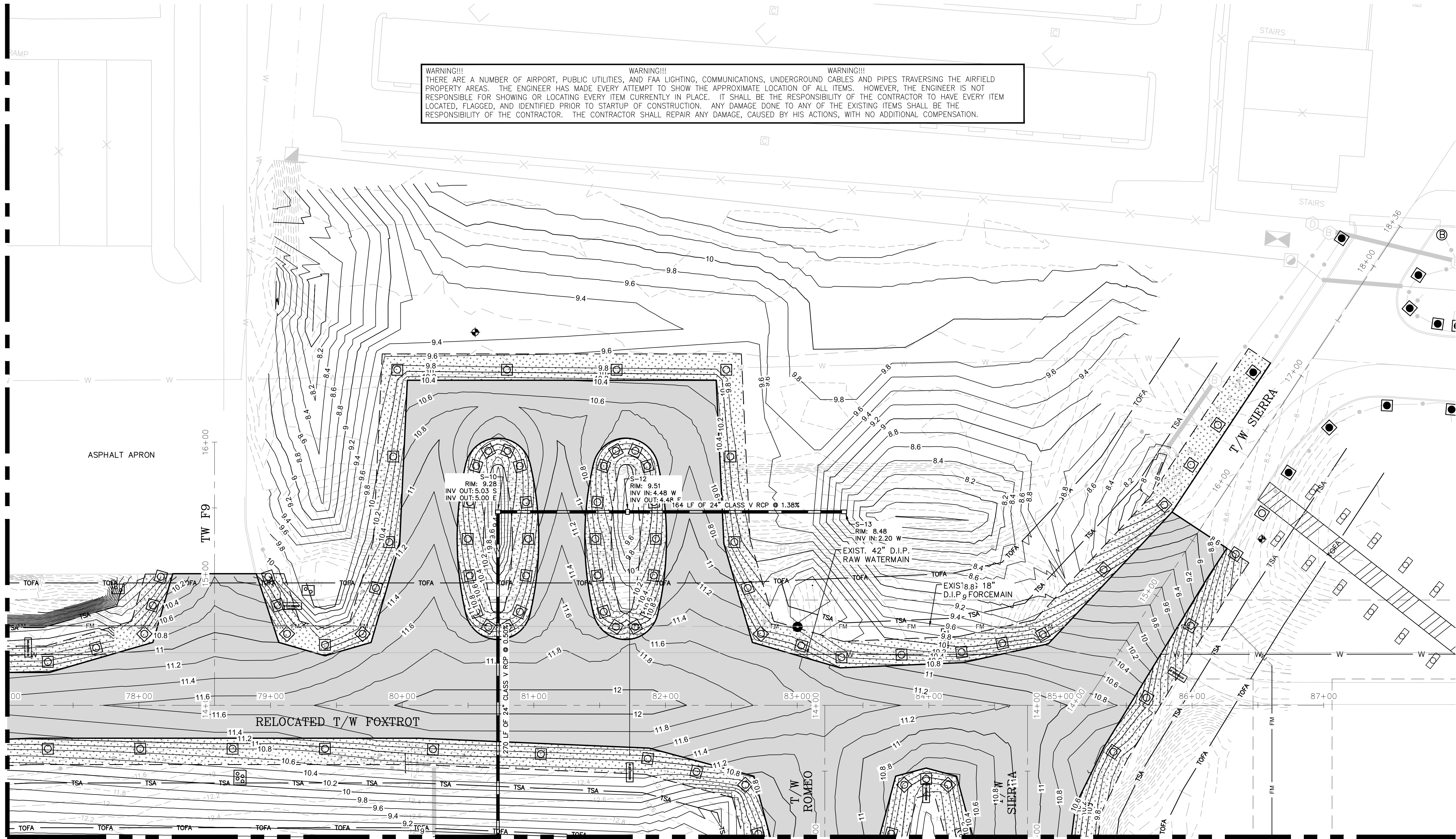
PROJECT # 12243 TAXIWAY FOXTROT RELOCATION PROJECT GRADING AND DRAINAGE PLANS	
SHEET NO. C45	OF 1
TOTAL:	
CAD FILE: 12243-MULTI-GR	
DRAWING FILE NO. 4-141-45	

[illegible]

		CITY OF FORT LAUDERDALE PUBLIC WORKS DEPARTMENT ENGINEERING & ARCHITECTURE	
100 North Andrews Avenue, Fort Lauderdale, Florida 33301		TEL. 561-840-0825	

ENGINEER: THOMAS F. O'DONNELL REG. No. 62478		DATE:	
DRAWN BY: ALB		DATE: 04-15-2019	
DESIGNED BY: MM		SCALE: AS NOTED	
CHECKED BY: TFO			
FIELD BOOK:			

MATCH LINE SHEET C45



MATCHLINE SHEET C47

LEGEND (SYMBOL)

	BENCHMARK
	AIRFIELD GUIDANCE SIGN
	TAXIWAY LIGHT
	RUNWAY LIGHT
	JUNCTION CAN
	JUNCTION CAN PLAZA
	PULLBOX
	FIBER COMM CABINET
	UTILITY MARKER
	PROPOSED STORM DRAIN PIPE
	EXISTING CATCH BASIN OR INLET
	PROPOSED CATCH BASIN OR INLET

LEGEND (LINE TYPE)

	EXISTING CONTOUR
	PROPOSED CONTOUR
	RUNWAY SAFETY AREA
	TAXIWAY SAFETY AREA
	TAXIWAY OBJECT FREE AREA
	AIRFIELD LIGHTING DUCTBANK
	FAA CABLE/CONDUIT
	FORCE MAIN
	WATER LINE
	FIBER OPTIC
	FLOOD ZONE BOUNDARY
	EXISTING STORM DRAIN PIPE
	PROPOSED STORM DRAIN PIPE

NOTES

1. UNDERGROUND UTILITY LOCATIONS ARE APPROXIMATE. CONTRACTOR TO OBTAIN UNDERGROUND UTILITY LOCATION AS REQUIRED BY LAW. SEE GENERAL NOTES SHEET C01. ALL FACILITIES ARE TO REMAIN EXCEPT WHERE OTHERWISE SHOWN. TAKE CARE DURING CONSTRUCTION TO AVOID DAMAGE TO EXISTING ABOVE GROUND AND UNDERGROUND FACILITIES.
2. CONTRACTOR SHALL GRADE AROUND ALL EXISTING STRUCTURES TO REMAIN, INCLUDING BUT NOT LIMITED TO TAXIWAY AND RUNWAY SIGNAGE, DRAINAGE INLETS AND ELECTRICAL MANHOLES.
3. REFER TO SHEET C48 FOR STRUCTURE TABLE
4. REFER TO SHEET C32 TO C36 FOR DEMOLITION REQUIREMENTS
5. SEE "TYPICAL SECTIONS" SHEET NOS. C28 & C29
6. CONTRACTOR WILL PROTECT ALL TAXIWAY EDGE LIGHTS DURING CONSTRUCTION.
7. IN CASE WHERE GEOMETRY IS NOT DELINEATED BY STATION/OFFSET, IT SHALL MATCH THE EXISTING LAYOUT OF THE MILLED EDGE OF PAVEMENT.
8. REFER TO THE ELECTRICAL PLAN SHEETS FOR TAXIWAY EDGE LIGHTS AND SIGNAGE TO BE RELOCATED.
9. REFER TO SHEET E26 FOR SIGNS FILL AND GRADING DETAIL

THE ELEVATIONS SHOWN HEREON ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88). TO CONVERT THE ELEVATIONS HEREON TO NATIONAL GEODETIC VERTICAL DATUM (NGVD29) ADD 1.585 FEET.

CALL 48 HOURS BEFORE YOU DIG

IT'S THE LAW! DIAL 811

Know what's below. Call before you dig.

SUNSHINE STATE ONE CALL OF FLORIDA, INC.

Kimley-Horn

Kimley-Horn and Associates, Inc.

©2019 KIMLEY-HORN AND ASSOCIATES, INC.

1920 WENOKA WAY, SUITE 200, WEST PALM BEACH, FL 33411

(561) 451-9165 PHONE

(561) 451-4886 FAX

HILLERS ELECTRICAL

ENGINEERING, INC.

23297 STATE ROAD 7, SUITE 100

BOCA RATON, FLORIDA 33428

(561) 451-9165 PHONE

(561) 451-4886 FAX

BID SET

PROJECT # 12243
TAXIWAY FOXROT
RELOCATION PROJECT
GRADING AND DRAINAGE PLANS

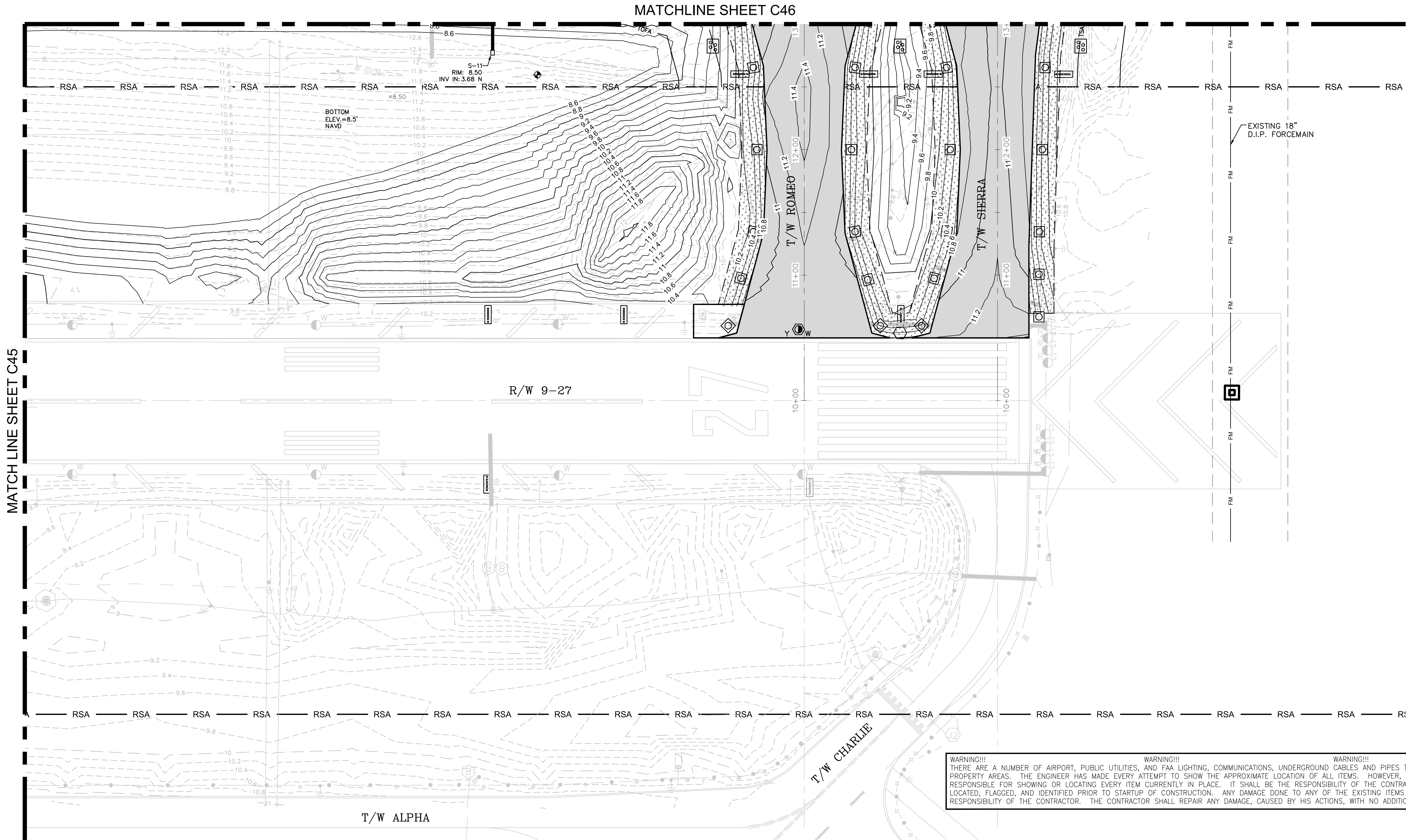
SHEET NO.	OF
C46	70
TOTAL:	103
CAD FILE:	12243-MULTI-GRAD
DRAWING FILE NO.	4-141-45

CITY OF FORT LAUDERDALE
PUBLIC WORKS DEPARTMENT
ENGINEERING & ARCHITECTURE
100 North Andrews Avenue, Fort Lauderdale, Florida 33301

NO.	DATE	BY	CHK'D	DESCRIPTION

DRAWN BY:	DATE:
ALB	04-15-2019
DESIGNED BY:	SCALE:
MM	AS NOTED
CHECKED BY:	TFO
FIELD BOOK:	

ENGINEER:
THOMAS F. O'DONNELL
Lic. No. 62476
DATE:
TEL. 561-840-0825
FAX:



LEGEND (SYMBOL)

- BENCHMARK
- AIRFIELD GUIDANCE SIGN
- TAXIWAY LIGHT
- RUNWAY LIGHT
- JUNCTION CAN
- JUNCTION CAN PLAZA
- PULLBOX
- FIBER COMM CABINET
- UTILITY MARKER
- PROPOSED STORM DRAIN PIPE
- EXISTING CATCH BASIN OR INLET
- PROPOSED CATCH BASIN OR INLET

LEGEND (LINE TYPE)

- EXISTING CONTOUR
- PROPOSED CONTOUR
- RSA
- TSA
- TOFA
- AFL
- FAA
- FM
- W
- FO
- FZB
- EXISTING STORM DRAIN PIPE
- PROPOSED STORM DRAIN PIPE

NOTES

- UNDERGROUND UTILITY LOCATIONS ARE APPROXIMATE. CONTRACTOR TO OBTAIN UNDERGROUND UTILITY LOCATION AS REQUIRED BY LAW. SEE GENERAL NOTES SHEET C01. ALL FACILITIES ARE TO REMAIN EXCEPT WHERE OTHERWISE SHOWN. TAKE CARE DURING CONSTRUCTION TO AVOID DAMAGE TO EXISTING ABOVE GROUND AND UNDERGROUND FACILITIES.
- CONTRACTOR SHALL GRADE AROUND ALL EXISTING STRUCTURES TO REMAIN, INCLUDING BUT NOT LIMITED TO TAXIWAY AND RUNWAY SIGNAGE, DRAINAGE INLETS AND ELECTRICAL MANHOLES.
- REFER TO SHEET C48 FOR STRUCTURE TABLE
- REFER TO SHEET C32 TO C36 FOR DEMOLITION REQUIREMENTS
- SEE "TYPICAL SECTIONS" SHEET NOS. C28 & C29
- CONTRACTOR WILL PROTECT ALL TAXIWAY EDGE LIGHTS DURING CONSTRUCTION.
- IN CASE WHERE GEOMETRY IS NOT DELINEATED BY STATION/OFFSET, IT SHALL MATCH THE EXISTING LAYOUT OF THE MILLED EDGE OF PAVEMENT.
- REFER TO THE ELECTRICAL PLAN SHEETS FOR TAXIWAY EDGE LIGHTS AND SIGNAGE TO BE RELOCATED.

THE ELEVATIONS SHOWN HEREON ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88). TO CONVERT THE ELEVATIONS HEREON TO NATIONAL GEODETIC VERTICAL DATUM (NGVD29) ADD 1.585 FEET.

Kimley-Horn
Kimley-Horn and Associates, Inc.
1920 WENONA WAY, SUITE 200, WEST PALM BEACH, FL 33411
(561) 451-9165 PHONE
(561) 451-4886 FAX

HILLERS ELECTRICAL
ENGINEERING, INC.
23297 STATE ROAD 7, SUITE 100
BOCA RATON, FLORIDA 33428
(561) 451-9165 PHONE
(561) 451-4886 FAX

CALL 48 HOURS BEFORE YOU DIG
IT'S THE LAW! DIAL 811
Know what's below. Call before you dig.
SUNSHINE STATE ONE CALL OF FLORIDA, INC.

BID SET

PROJECT # 12243
TAXIWAY FOX TROT
RELOCATION PROJECT
GRADING AND DRAINAGE PLANS

SHEET NO. OF
C47 70

TOTAL: 103
CAD FILE: 12243-MULTI-GRAD
DRAWING FILE NO. 4-141-45

REVISIONS

NO.	DATE	BY	CHK'D	DESCRIPTION

CITY OF FORT LAUDERDALE
PUBLIC WORKS DEPARTMENT
ENGINEERING & ARCHITECTURE
100 North Andrews Avenue, Fort Lauderdale, Florida 33301

ENGINEER: THOMAS F. O'DONNELL
DATE: 04-15-2019
DESIGNED BY: SCALE: AS NOTED
CHECKED BY: TFO
FIELD BOOK: 33301

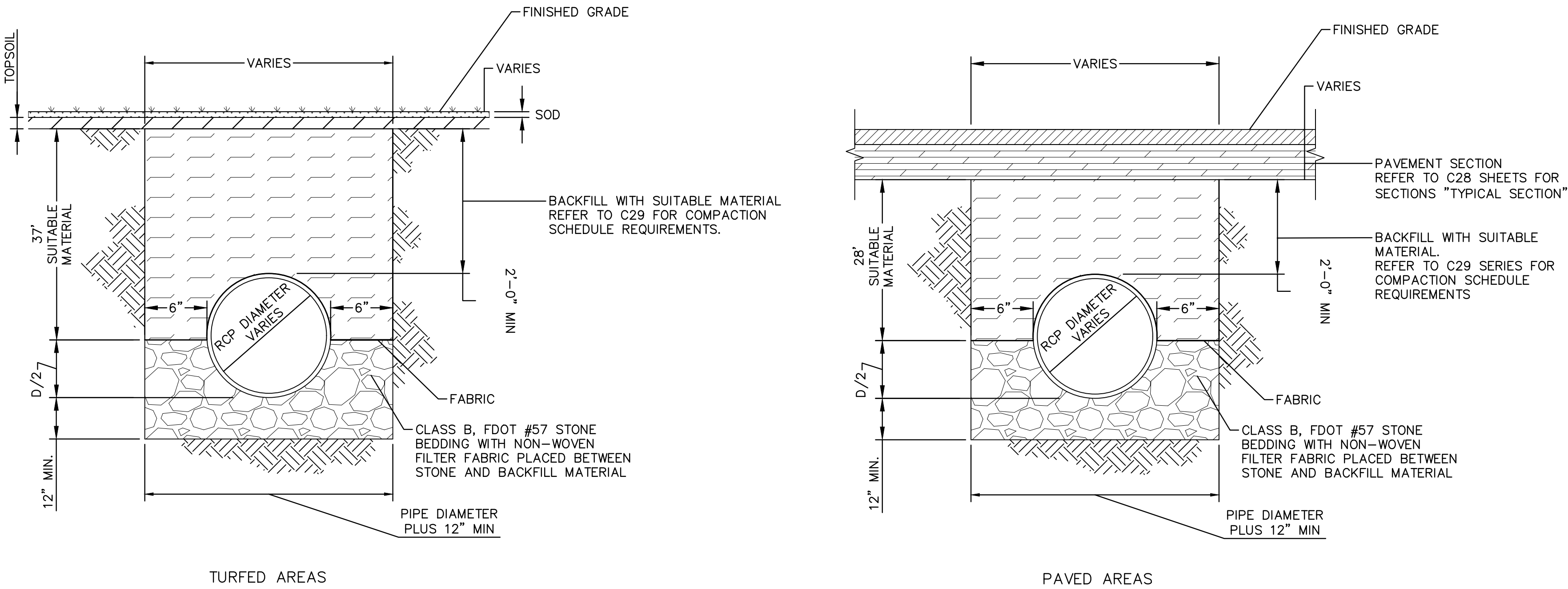
ENGINEER: THOMAS F. O'DONNELL
DATE: 04-15-2019
DESIGNED BY: SCALE: AS NOTED
CHECKED BY: TFO
FIELD BOOK: 33301

K:\FLT_AVIATION\044693068 - FXE FOX TROT RELOCATION\CADD\PLANSHEETS\12243-MULTI-GRAD.DWG

STRUCTURE TABLE			
STRUCTURE NAME:	DETAILS:	PIPES IN:	PIPES OUT
EXIST. STRUCTURE S-107	AIRCRAFT RATED STRUCTURE RIM: 8.50 INV IN: 3.02	FROM S-05, 36" RCP INV IN: 3.02 @ 0.33%	
S-01	AIRCRAFT RATED STRUCTURE RIM: 9.00 INV OUT: 4.00		TO S-02, 24" CLASS V RCP INV OUT: 4.00 @ 1.40%
S-02	FDOT TYPE E DITCH BOTTOM INLET RIM: 4.00 INV IN: -0.41	FROM S-01, 24" CLASS V RCP INV IN: -0.41 @ 1.40%	
S-03	AIRCRAFT RATED STRUCTURE RIM: 7.00 INV IN: -3.79 INV OUT: -3.79	FROM , 60" RCP INV IN: -3.79 @ 1.50%	TO S-04, 60" CLASS V RCP INV OUT: -3.79 @ 0.67%
S-04	AIRCRAFT RATED STRUCTURE RIM: 9.00 INV IN: -5.78	FROM S-03, 60" CLASS V RCP INV IN: -5.78 @ 0.67%	
S-05	AIRCRAFT RATED STRUCTURE RIM: 8.85 INV OUT: 3.76		TO EXIST. STRUCTURE S-107, 36" RCP INV OUT: 3.76 @ 0.33%
S-06	AIRCRAFT RATED STRUCTURE RIM: 8.69 INV IN: -0.68 INV OUT: -0.68	FROM , 24" RCP INV IN: -0.68 @ 2.38%	TO S-07, 30" RCP INV OUT: -0.68 @ 0.74%
S-07	AIRCRAFT RATED STRUCTURE RIM: 8.50 INV IN: -2.96	FROM S-06, 30" RCP INV IN: -2.96 @ 0.74%	
S-08	AIRCRAFT RATED STRUCTURE RIM: 9.11 INV IN: -1.15 INV OUT: -1.15	FROM , 24" RCP INV IN: -1.15 @ 1.14%	TO S-09, 30" RCP INV OUT: -1.15 @ 0.72%
S-09	AIRCRAFT RATED STRUCTURE RIM: 8.50 INV IN: -3.24	FROM S-08, 30" RCP INV IN: -3.24 @ 0.72%	
S-10	AIRCRAFT RATED STRUCTURE RIM: 9.28 INV OUT: 5.03 INV OUT: 5.00		TO S-11, 24" CLASS V RCP INV OUT: 5.03 @ 0.50% TO S-12, 24" RCP INV OUT: 5.00 @ 0.53%
S-11	AIRCRAFT RATED STRUCTURE RIM: 8.50 INV IN: 3.68	FROM S-10, 24" CLASS V RCP INV IN: 3.68 @ 0.50%	
S-12	AIRCRAFT RATED STRUCTURE RIM: 9.51 INV IN: 4.48 INV OUT: 4.48	FROM S-10, 24" RCP INV IN: 4.48 @ 0.53%	TO S-13, 24" CLASS V RCP INV OUT: 4.48 @ 1.38%
S-13	AIRCRAFT RATED STRUCTURE RIM: 8.48 INV IN: 2.20	FROM S-12, 24" CLASS V RCP INV IN: 2.20 @ 1.38%	

NOTES

1. CONTRACTOR SHALL VERIFY AND CONFIRM THE PIPE INVERT ELEVATIONS AND THE BOTTOM ELEVATIONS AT EXISTING DRAINAGE STRUCTURES PRIOR TO THE PREPARATION OF SHOP DRAWINGS.



TYPICAL RCP PIPE TRENCH - DETAILS

N.T.S.

WARNING!!! THERE ARE A NUMBER OF AIRPORT, PUBLIC UTILITIES, AND FAA LIGHTING, COMMUNICATIONS, UNDERGROUND CABLES AND PIPES TRAVERSING THE AIRFIELD PROPERTY AREAS. THE ENGINEER HAS MADE EVERY ATTEMPT TO SHOW THE APPROXIMATE LOCATION OF ALL ITEMS. HOWEVER, THE ENGINEER IS NOT RESPONSIBLE FOR SHOWING OR LOCATING EVERY ITEM CURRENTLY IN PLACE. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO HAVE EVERY ITEM LOCATED, FLAGGED, AND IDENTIFIED PRIOR TO STARTUP OF CONSTRUCTION. ANY DAMAGE DONE TO ANY OF THE EXISTING ITEMS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL REPAIR ANY DAMAGE, CAUSED BY HIS ACTIONS, WITH NO ADDITIONAL COMPENSATION.

Kimley-Horn
Kimley-Horn and Associates, Inc.
©2019 KIMLEY-HORN AND ASSOCIATES, INC.
1920 WENONA WAY, SUITE 200, WEST PALM BEACH, FL 33411
PAPER NO. CA-000000006
04/05/2008

HILLERS ELECTRICAL
ENGINEERING, INC.
23297 STATE ROAD 7, SUITE 100
BOCA RATON, FLORIDA 33428
(561) 451-9165 PHONE
(561) 451-4886 FAX

ENGINEER:
THOMAS F. O'DONNELL
PROJ. No: 02476
DATE:

DESIGNED BY:
ALB
MM
TFO

CHECKED BY:
AS NOTED

DATE:
04-15-2019

SCALE:
AS NOTED

FIELD BOOK:

TEL: 561-840-0825
FAX:

CITY of FORT LAUDERDALE
PUBLIC WORKS DEPARTMENT
ENGINEERING & ARCHITECTURE
100 North Andrews Avenue, Fort Lauderdale, Florida 33301

REVISIONS		DESCRIPTION	
NO.	DATE	BY	CHK'D

PROJECT # 12243
TAXIWAY FOX TROT
RELOCATION PROJECT
GRADING AND DRAINAGE DETAILS

SHEET NO.
C48

OF
70

TOTAL: 103

CAD FILE:
12243-MULTI-GRAD

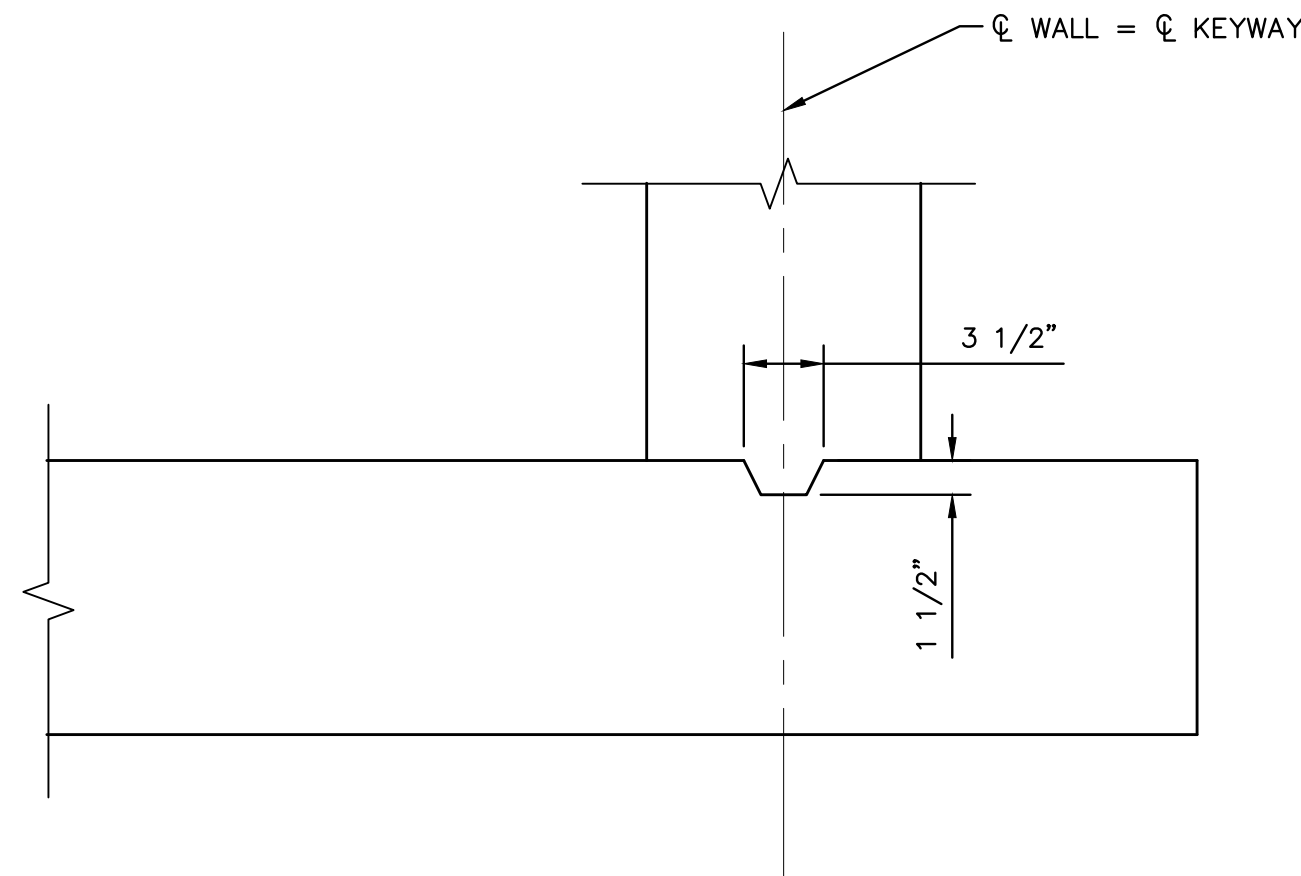
DRAWING FILE NO.
4-141-45

BID SET

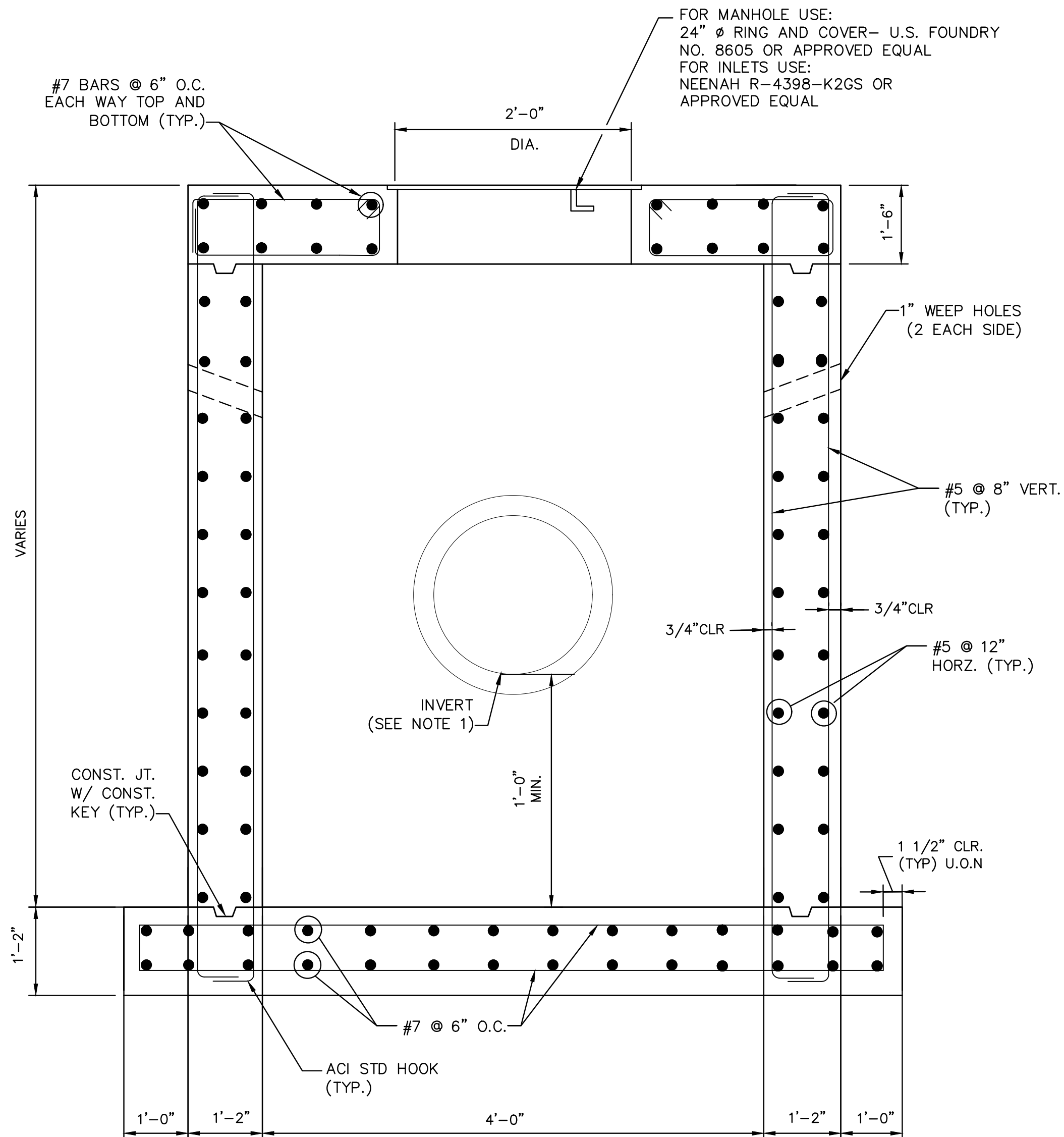
K:\FTL_AVIATION\044693068 - FXE FOXTROT RELOCATION\CADD\PLANSHEETS\12243-MULTI-GRAD.DWG

SCHEDULE NOTES:

1. TOP BARS ARE HORIZONTAL BARS WITH MORE THAN 12 INCHES OF FRESH CONCRETE CAST BELOW THE BARS.
2. USE OF TABLE REQUIRES THAT CLEAR SPACING BETWEEN BARS IS $> 2 \times$ BAR DIAMETER, AND CLEAR COVER IS $> 1 \times$ BAR DIAMETER.

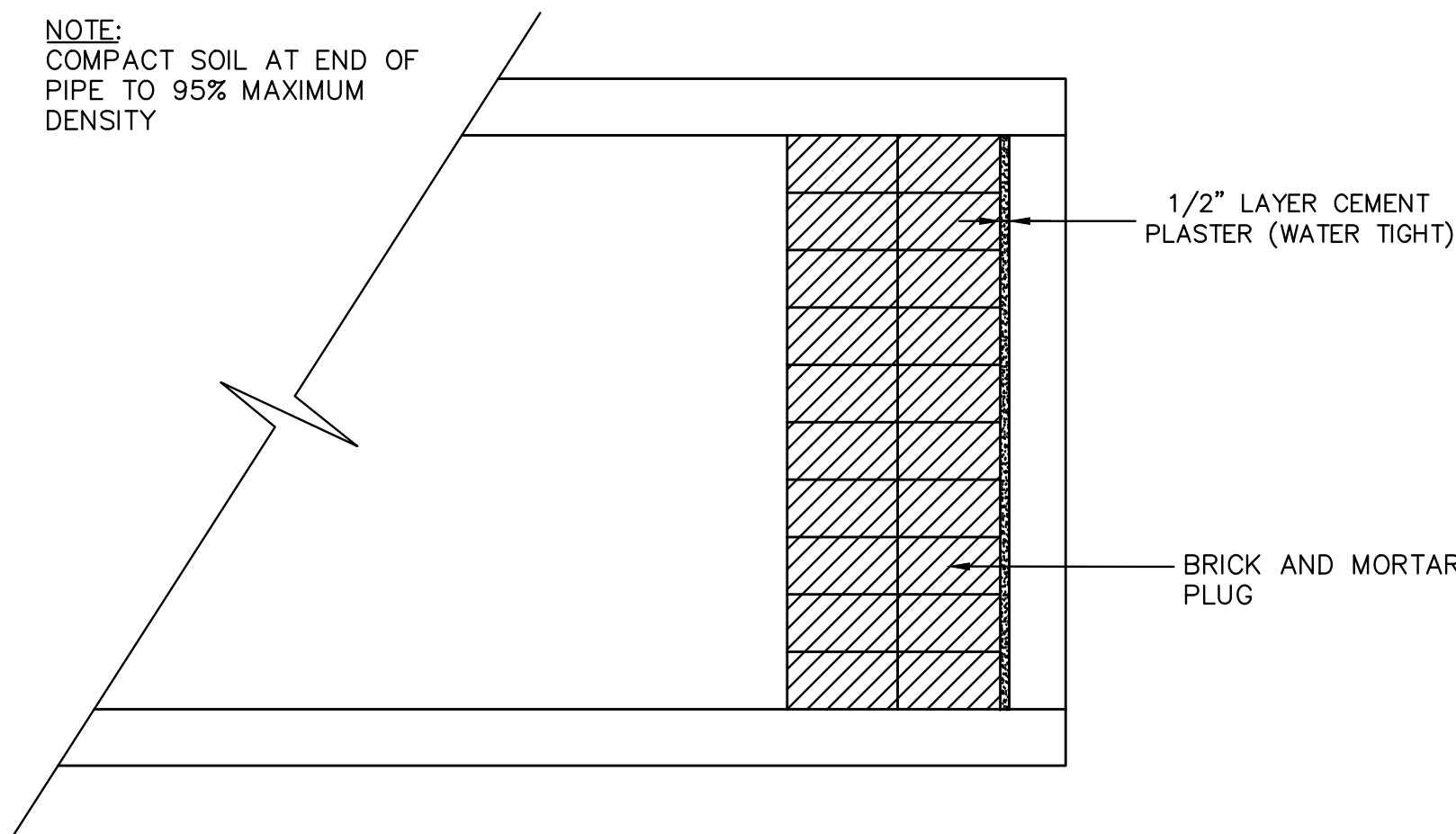


4 KEYED CONSTRUCTION JOINT DETAIL
C49 SCALE: N.T.S.



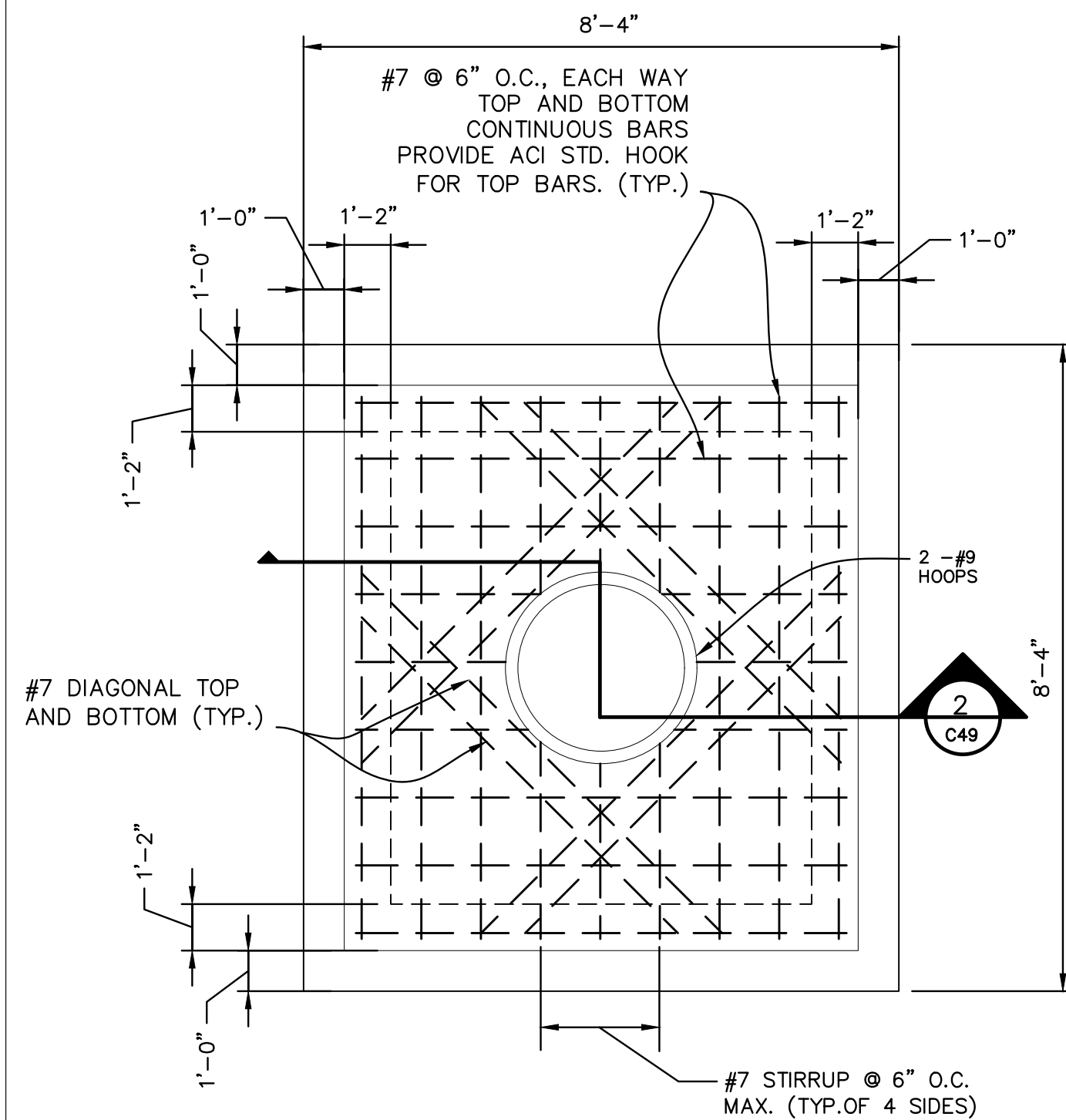
2 STORM DRAINAGE MANHOLE SECTION
C49 SCALE: N.T.S.

NOTE:
1. CONTRACTOR TO VERIFY INVERTS
PRIOR TO FABRICATION



5 STORM DRAIN PLUG
C49 SCALE: N.T.S.

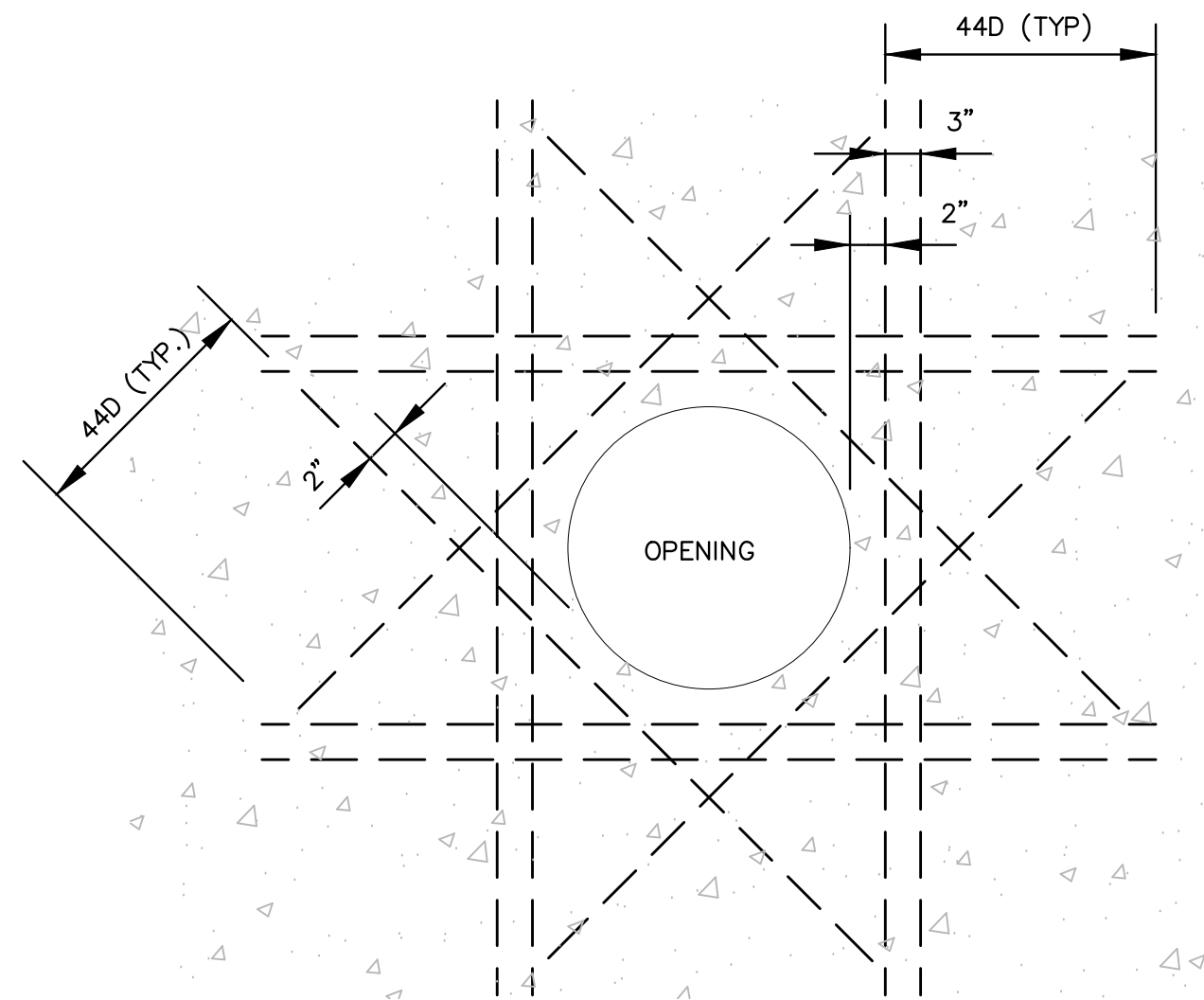
NOTE:
COMPACT SOIL AT END OF
PIPE TO 95% MAXIMUM
DENSITY



3 TOP SLAB REINFORCING PLAN
C49 SCALE: N.T.S.

NOTE:

1. 24" ϕ RING AND COVER- U.S. FOUNDRY NO. 8605 OR APPROVED EQUAL.
2. CONTINUOUS BARS ONLY UNLESS OTHERWISE NOTED.



NOTE:

1. THIS DETAIL IS FOR WALL OPENINGS 8"Ø OR LARGER, FOR SMALLER OPENINGS, OMIT DIAGONAL BARS.
2. PLACE EXTRA BARS OF THE SAME SIZE AS THE INTERRUPTED BARS AT EACH SIDE OF OPENINGS. QUANTITY OF EXTRA BARS AT EACH SIDE SHALL EQUAL HALF THE QUANTITY OF INTERRUPTED BARS, EXCEPT WHERE NOTED OTHERWISE. PROVIDE ONE DIAGONAL BAR EACH SIDE OF OPENING, SIZE TO BE EQUAL TO MAIN REINFORCING. (TYPICAL EACH FACE)

6
C49

ADDITIONAL REINFORCING AROUND R.C.P.
OPENING IN WALLS OF DRAINAGE STRUCTURES

SCALE: N.T.S.

WARNING!!!	WARNING!!!	WARNING!!!
THERE ARE A NUMBER OF AIRPORT, PUBLIC UTILITIES, AND FAA LIGHTING, COMMUNICATIONS, UNDERGROUND CABLES AND PIPES TRAVERSING THE AIRFIELD PROPERTY AREAS. THE ENGINEER HAS MADE EVERY ATTEMPT TO SHOW THE APPROXIMATE LOCATION OF ALL ITEMS. HOWEVER, THE ENGINEER IS NOT RESPONSIBLE FOR SHOWING OR LOCATING EVERY ITEM CURRENTLY IN PLACE. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO HAVE EVERY ITEM LOCATED, FLAGGED, AND IDENTIFIED PRIOR TO STARTUP OF CONSTRUCTION. ANY DAMAGE DONE TO ANY OF THE EXISTING ITEMS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL REPAIR ANY DAMAGE, CAUSED BY HIS ACTIONS, WITH NO ADDITIONAL COMPENSATION.		

Kimley»Horn
Kimley-Horn and Associates, Inc.
©2019 KIMLEY-HORN AND ASSOCIATES, INC.
1920 WEKIWA WAY, SUITE 200, WEST PALM BEACH, FL 33411
FBPE No. CA 00000695
04/00/2018

**HILLERS ELECTRICAL
ENGINEERING, INC.**
23257 STATE ROAD 7, SUITE 100
BOCA RATON, FLORIDA 33428
(561) 451-9165 PHONE
(561) 451-4886 FAX

BID SET


PROJECT # 12243
TAXIWAY FOXTROT
RELOCATION PROJECT
GRADING AND DRAINAGE DETAILS

SHEET NO.	OF
C49	70
TOTAL:	103
CAD FILE: 12243-MULTI-GRAD	
DRAWING FILE NO. 4-141-45	

ENGINEER:
THOMAS F. O'DONNELL
REG. No: 62478
DATE:

TEL: 561-840-0825
FAX:

DRAWN BY: ALB	DATE: 04-15-2019
DESIGNED BY: MM	SCALE: AS NOTED
CHECKED BY: TFO	
FIELD BOOK:	

 CITY OF FORT LAUDERDALE
PUBLIC WORKS DEPARTMENT
ENGINEERING & ARCHITECTURE
100 North Andrews Avenue, Fort Lauderdale, Florida 33301

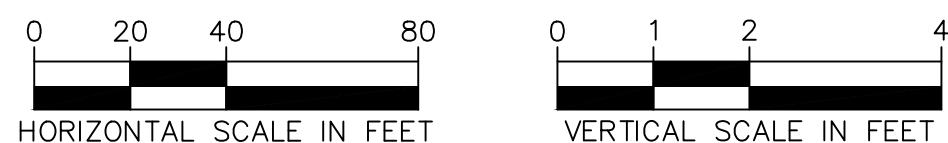
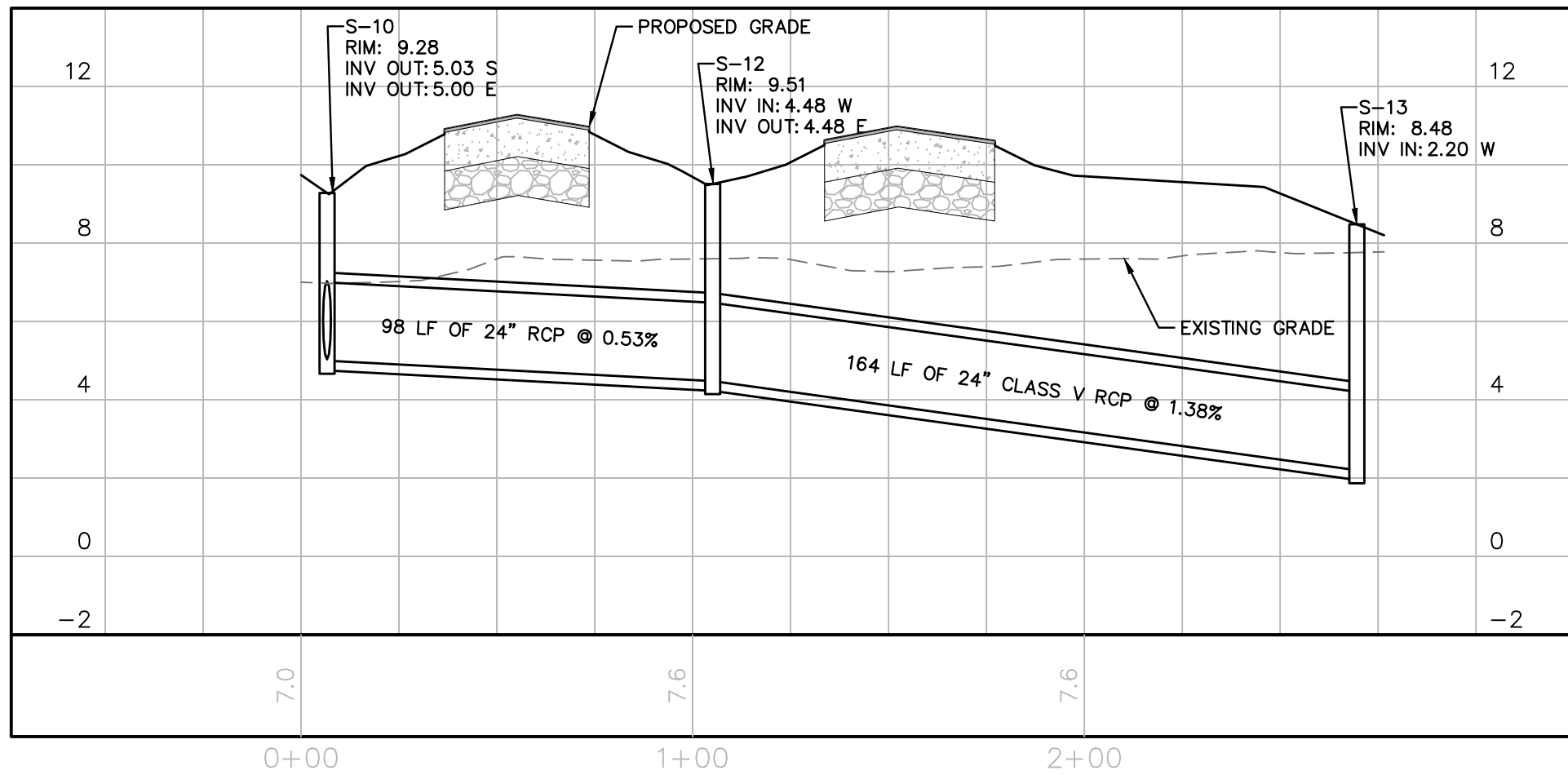
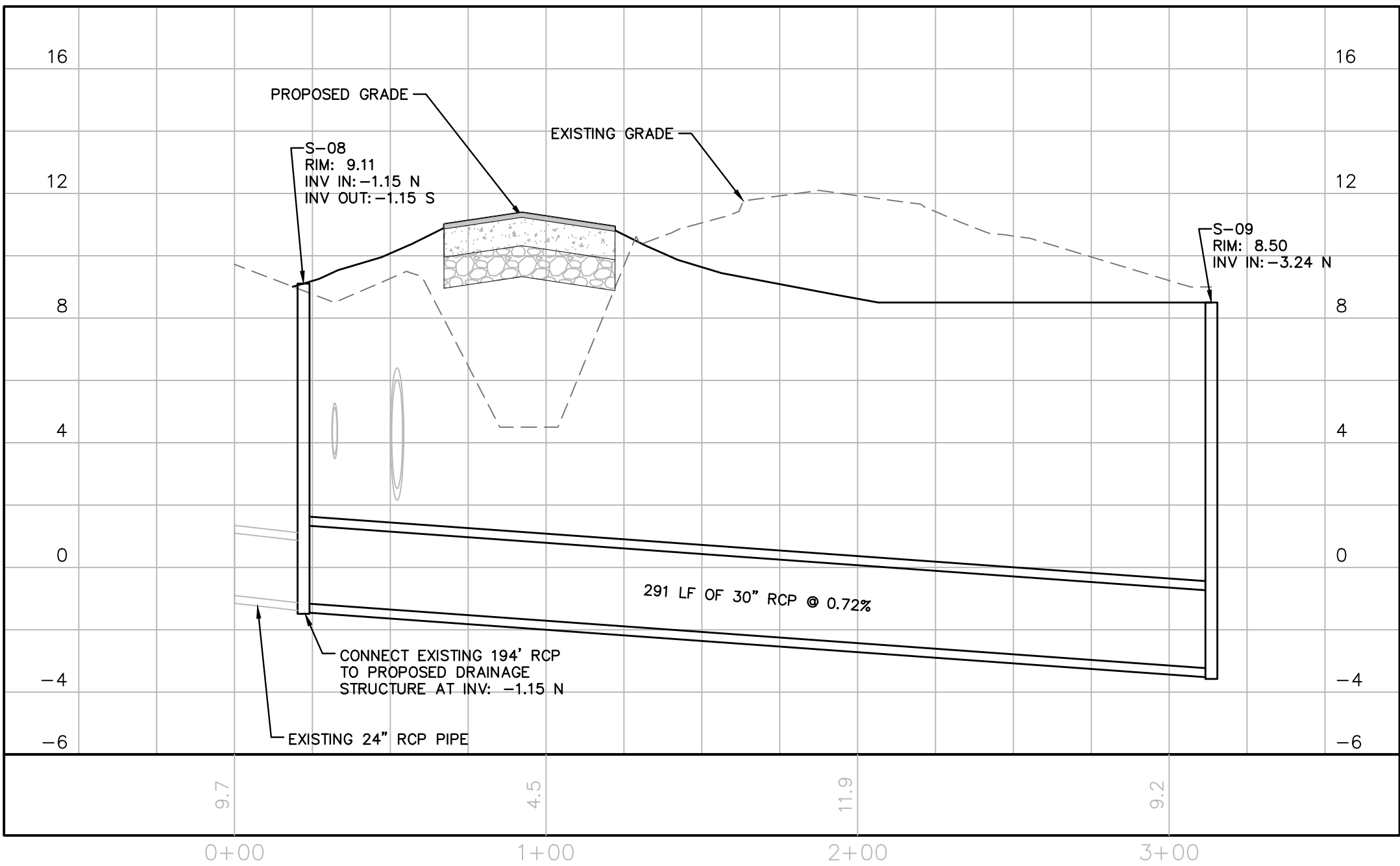
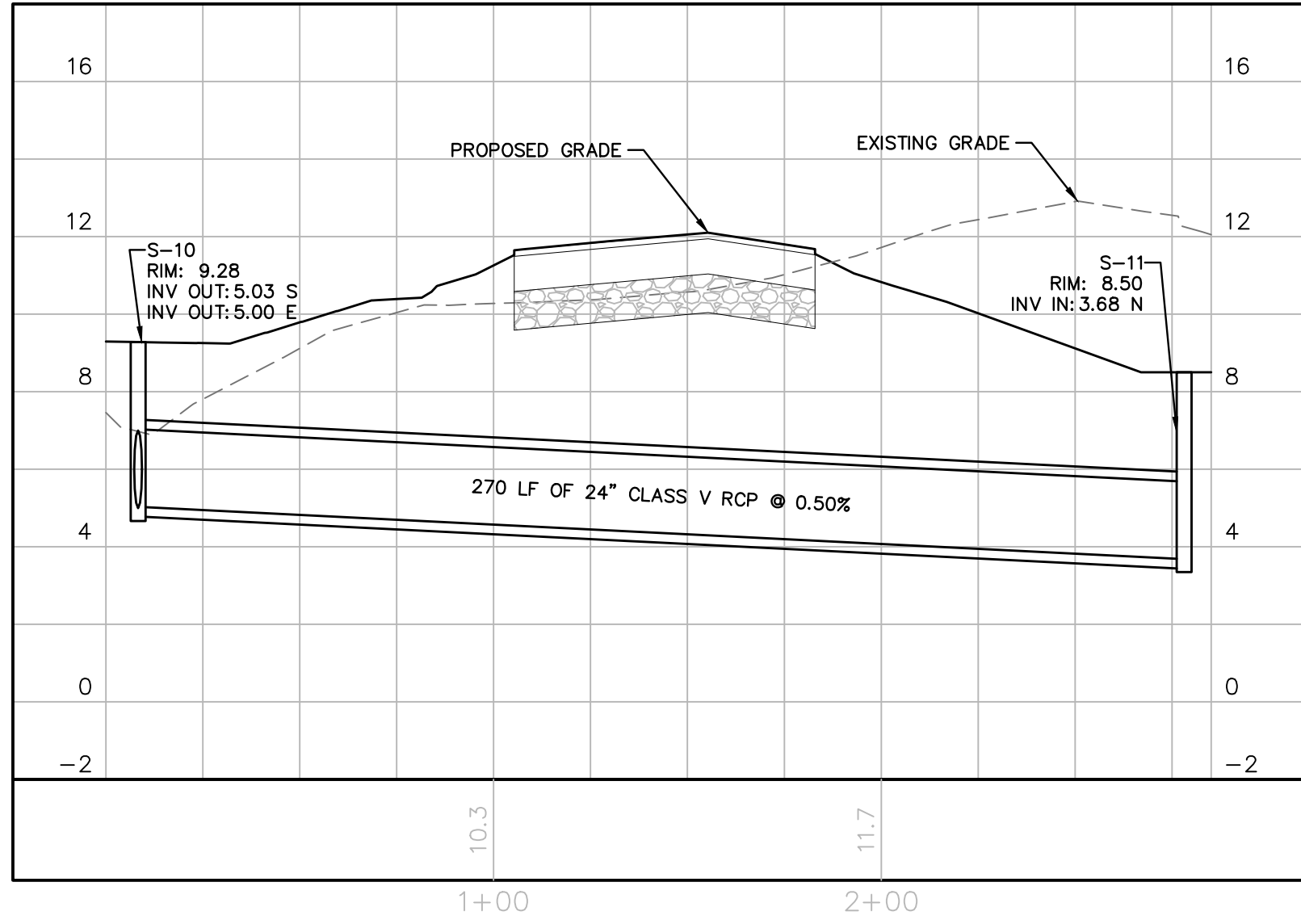
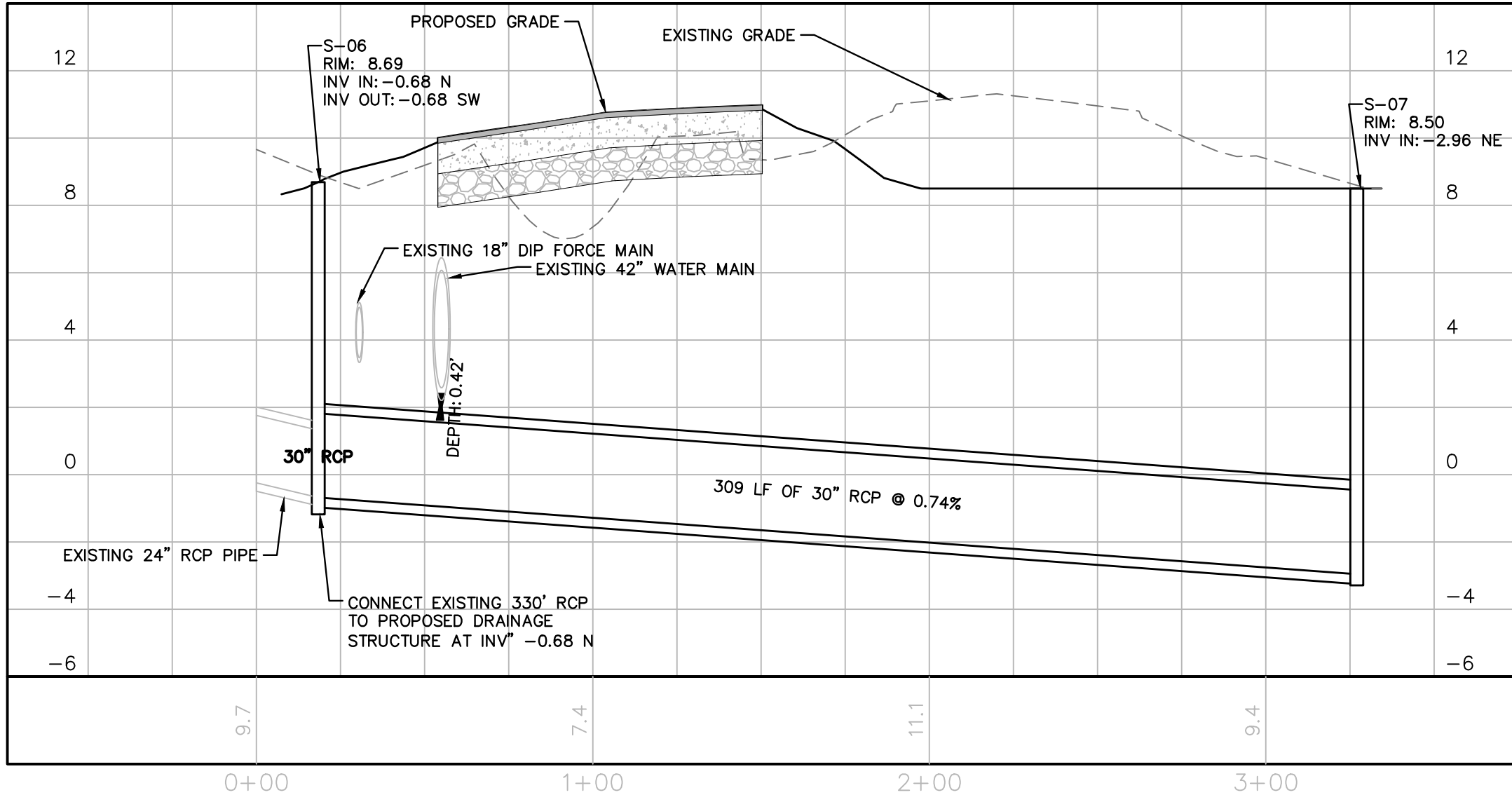
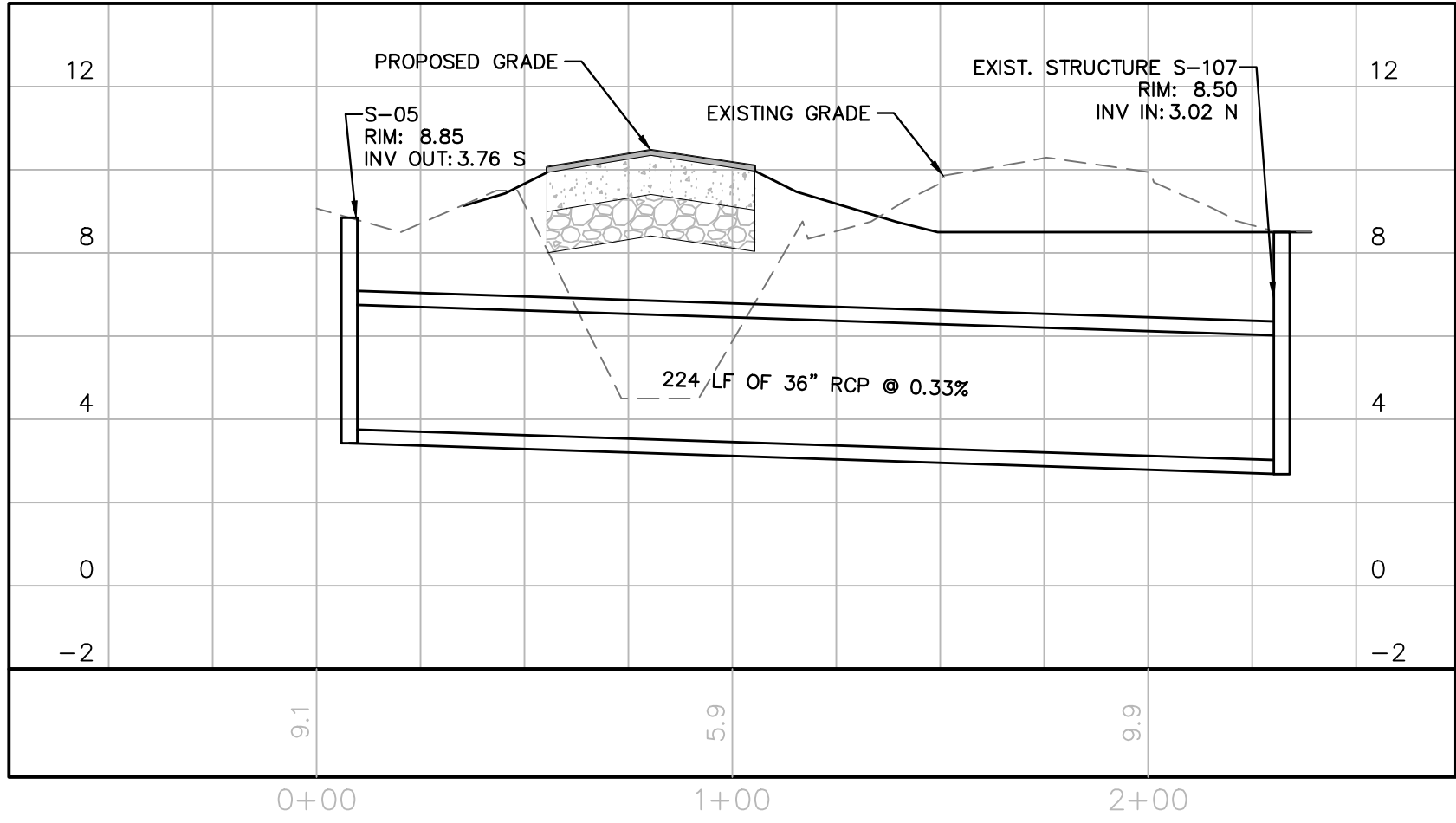
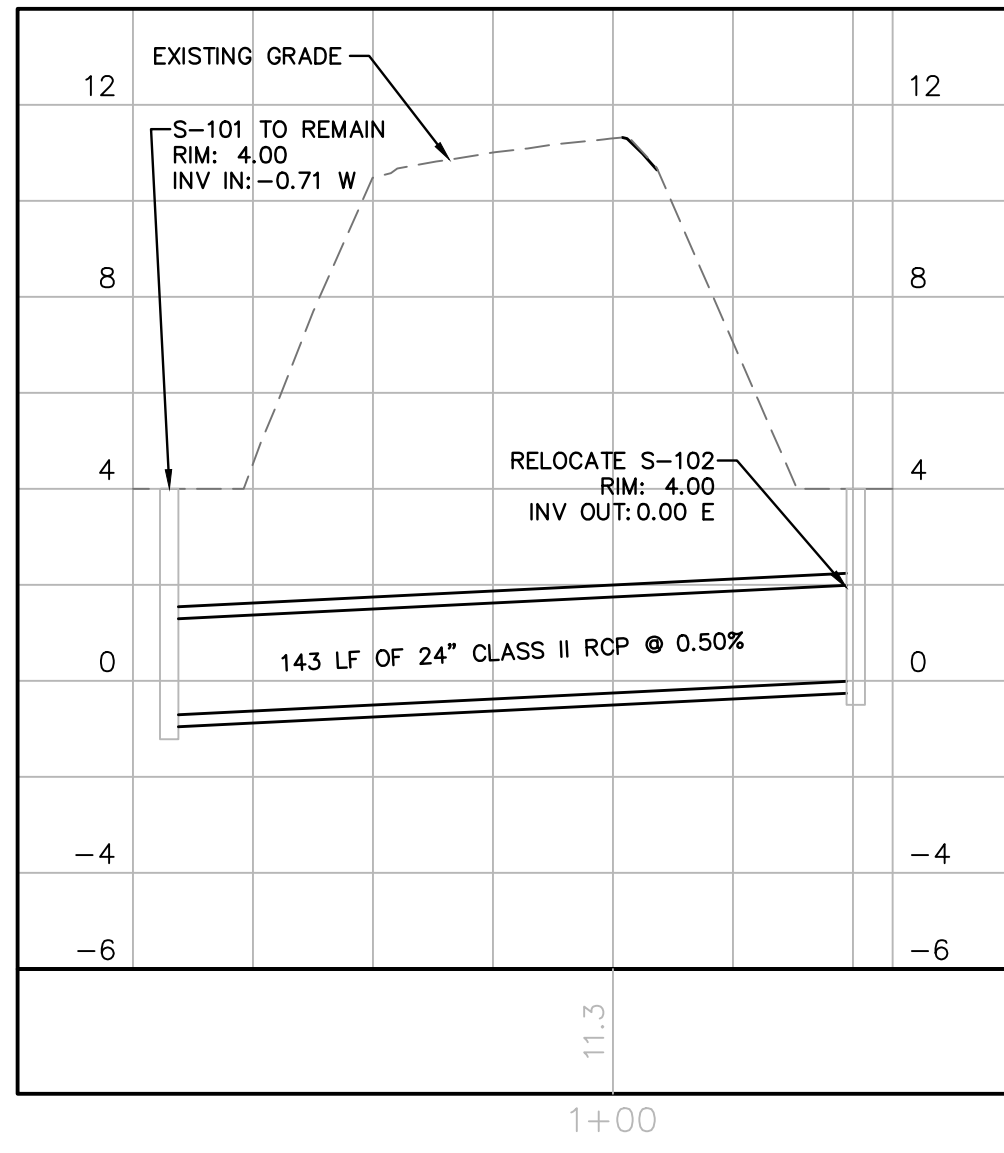
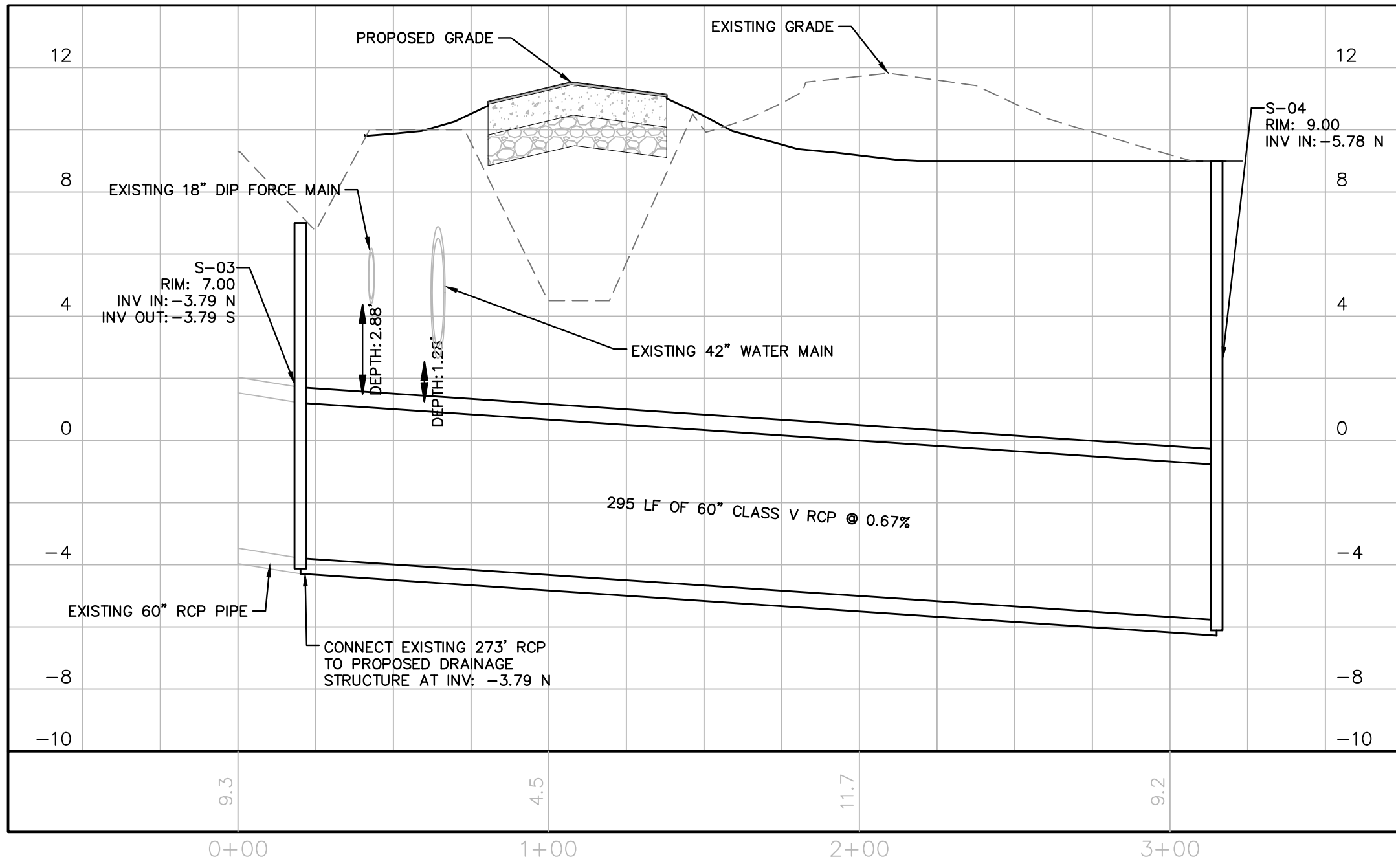
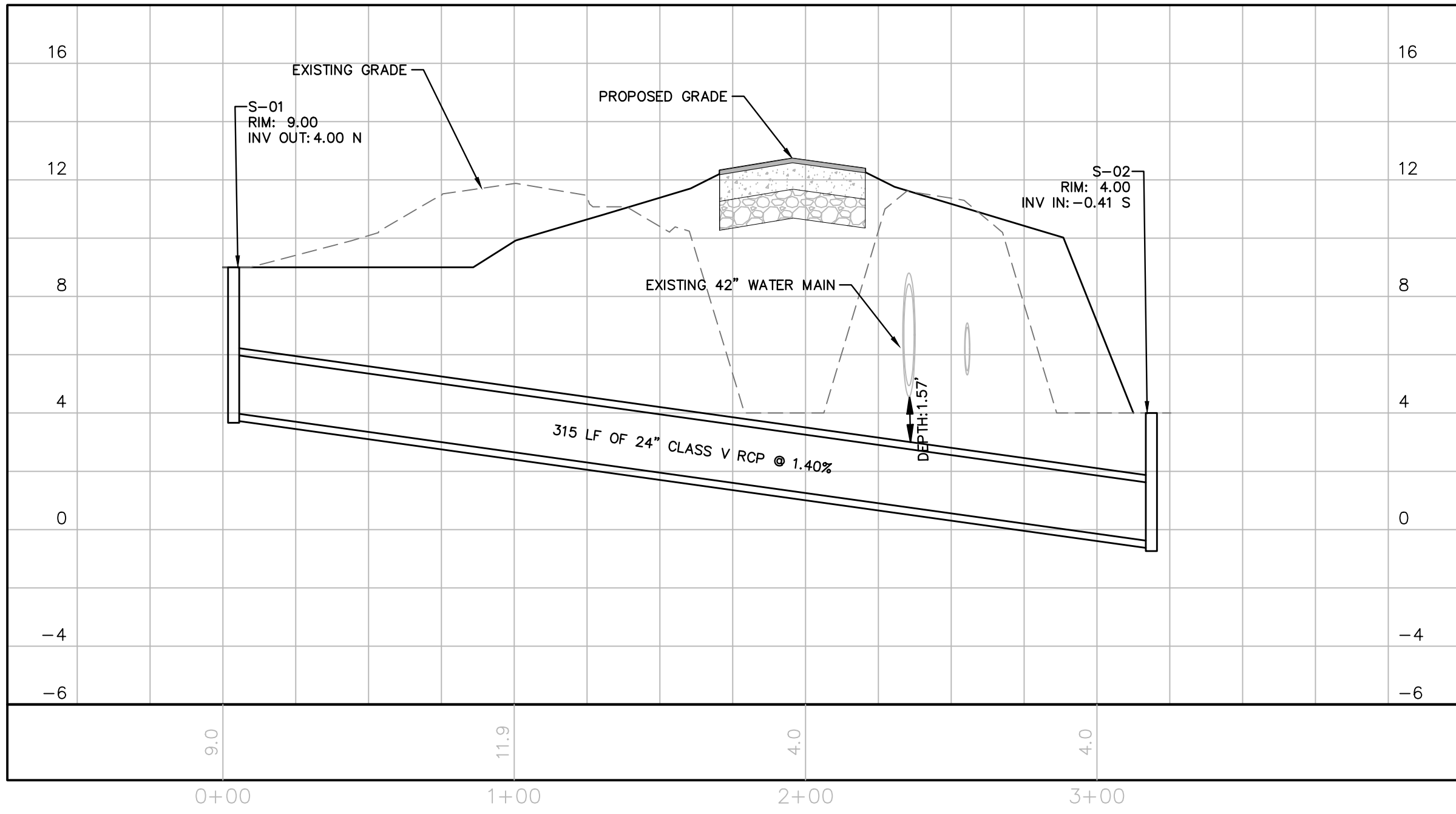
[illegible]

City of Fort Lauderdale

090-11771 110

CAM #19-1062
Exhibit 3C - Part 3 of 4
Page 31 of 50

K:\FL\AVIATION\044693068 - FXE FOX TROT RELOCATION\CADD\PLANSHEETS\12243-C49-PIPE .DWG



WARNING!!!
THERE ARE A NUMBER OF AIRPORT, PUBLIC UTILITIES, AND FAA LIGHTING, COMMUNICATIONS, UNDERGROUND CABLES AND PIPES TRAVERSING THE AIRFIELD PROPERTY AREAS. THE ENGINEER HAS MADE EVERY ATTEMPT TO SHOW THE APPROXIMATE LOCATION OF ALL ITEMS. HOWEVER, THE ENGINEER IS NOT RESPONSIBLE FOR SHOWING OR LOCATING EVERY ITEM CURRENTLY IN PLACE. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO HAVE EVERY ITEM LOCATED, FLAGGED, AND IDENTIFIED PRIOR TO STARTUP OF CONSTRUCTION. ANY DAMAGE DONE TO ANY OF THE EXISTING ITEMS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL REPAIR ANY DAMAGE, CAUSED BY HIS ACTIONS, WITH NO ADDITIONAL COMPENSATION.

THE ELEVATIONS SHOWN HEREON ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88). TO CONVERT THE ELEVATIONS HEREON TO NATIONAL GEODETIC VERTICAL DATUM (NGVD29) ADD 1.51 FEET.

Kimley-Horn
Kimley-Horn and Associates, Inc.
©2019 KIMLEY-HORN AND ASSOCIATES, INC.
1920 WENDOVA WAY, SUITE 200, WEST PALM BEACH, FL 33411
PHONE: (561) 866-8888 FAX: (561) 866-8889

HILLERS ELECTRICAL
ENGINEERING, INC.
23297 STATE ROAD 7, SUITE 100
BOCA RATON, FLORIDA 33428
(561) 451-9185 PHONE
(561) 451-4886 FAX

CALL 48 HOURS BEFORE YOU DIG
IT'S THE LAW! DIAL 811
Know what's below. Call before you dig.
SUNSHINE STATE ONE CALL OF FLORIDA, INC.
CALL 48 HOURS BEFORE DIGGING
FAA FACILITIES 954-356-7212

ENGINEER: THOMAS F. O'DONNELL
PROJ. NO.: 62476
DATE:
DRAWN BY: ALB
DATE: 04-15-2019
DESIGNED BY: MM
CHECKED BY: TFO
FIELD BOOK:

CITY OF FORT LAUDERDALE
PUBLIC WORKS DEPARTMENT
ENGINEERING & ARCHITECTURE
100 North Andrews Avenue, Fort Lauderdale, Florida 33301

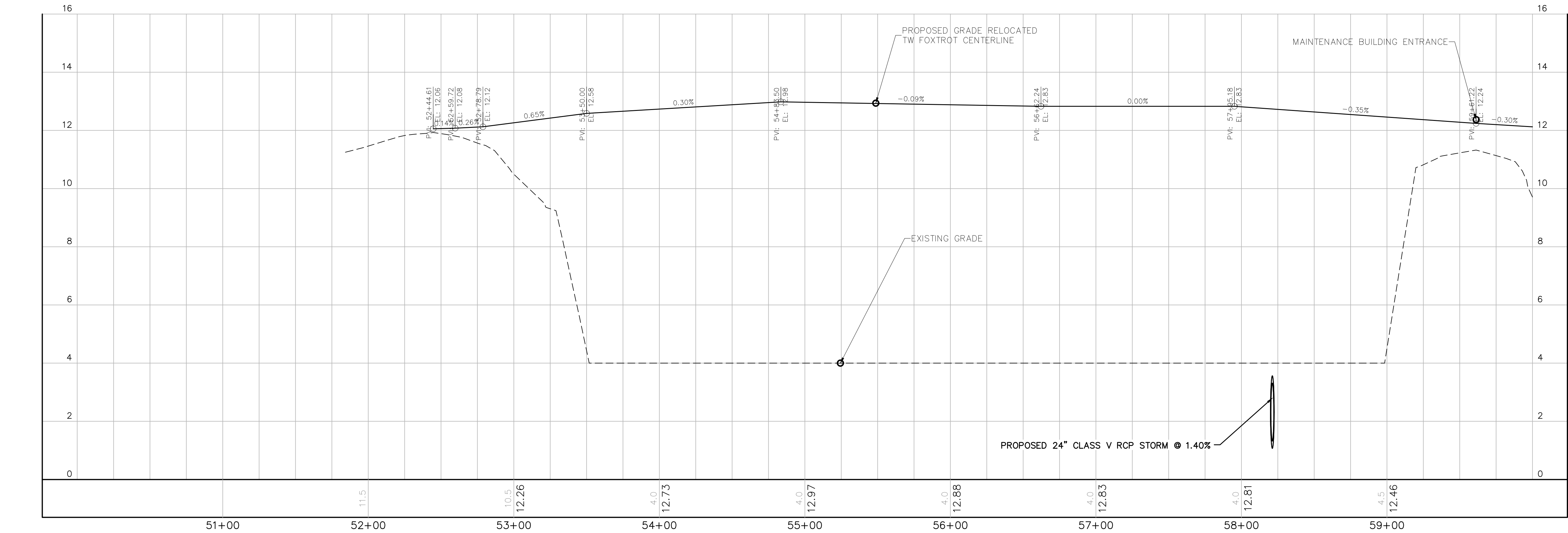
NO.	DATE	BY	CHK'D	DESCRIPTION

NO.	DATE	BY	CHK'D	DESCRIPTION

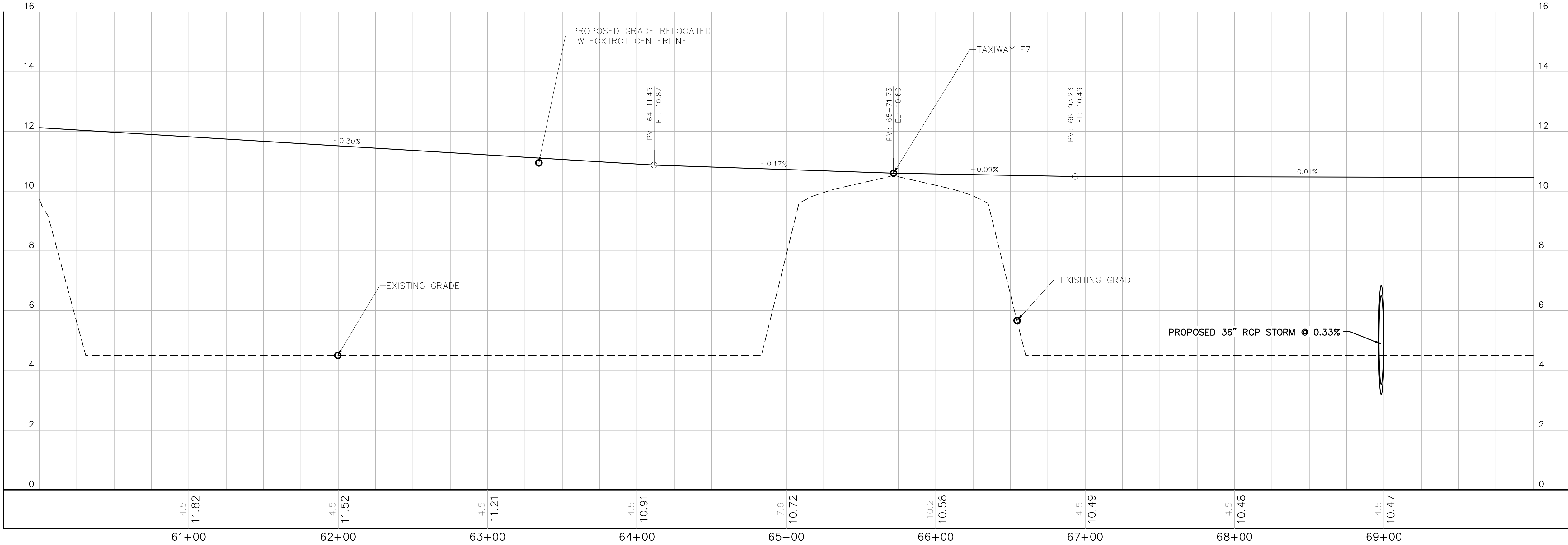
PROJECT # 12243
TAXWAY FOX TROT
RELOCATION PROJECT
DRAINAGE PROFILES

SHEET NO.	OF
C50	70
TOTAL:	103
CAD FILE:	12243-C49-PIPE
DRAWING FILE NO.	4-141-45

K:\FLAVIATION\044693068 - FXE FOXTROT RELOCATION\CADD\PLANSHEETS\12243-MULTI-PROF .DWG



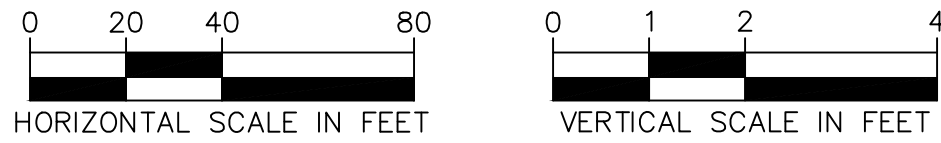
TAXIWAY FOXTROT CENTERLINE PROFILE STA. 50+00 TO STA. 60+00



TAXIWAY FOXTROT CENTERLINE PROFILE STA. 60+00 TO STA. 70+00

NOTES

- REFERENCE SHEETS C38 - C42 FOR GEOMETRY LAYOUT.
- UNDERGROUND UTILITY LOCATIONS ARE APPROXIMATE. CONTRACTOR TO OBTAIN UNDERGROUND UTILITY LOCATION AS REQUIRED BY LAW. SEE GENERAL NOTES SHEET C01. ALL FACILITIES ARE TO REMAIN EXCEPT WHERE OTHERWISE SHOWN. TAKE CARE DURING CONSTRUCTION TO AVOID DAMAGE TO EXISTING ABOVE GROUND AND UNDERGROUND FACILITIES.



CALL 48 HOURS BEFORE YOU DIG

IT'S THE LAW! DIAL 811 Know what's below. Call before you dig.

SUNSHINE STATE ONE CALL OF FLORIDA, INC.

CALL 48 HOURS BEFORE DIGGING
FAA FACILITIES 954-356-7212

Kimley-Horn
Kimley-Horn and Associates, Inc.
©2019 KIMLEY-HORN AND ASSOCIATES, INC.
1920 WENDOVA WAY, SUITE 200, WEST PALM BEACH, FL 33411
PHONE: 407-855-8888 FAX: 407-855-8888

HILLERS ELECTRICAL ENGINEERING, INC.
23297 STATE ROAD 7, SUITE 100
BOCA RATON, FLORIDA 33428
(561) 451-9165 PHONE
(561) 451-4886 FAX

ENGINEER:
THOMAS F. O'DONNELL
Lic. No. 062476
DATE:

DRAWN BY:
ALB
04-15-2019

DESIGNED BY:
MM
AS NOTED

CHECKED BY:
TFO

FIELD BOOK:

TEL 561-840-0825
FAX:

CITY OF FORT LAUDERDALE
PUBLIC WORKS DEPARTMENT
ENGINEERING & ARCHITECTURE
100 North Andrews Avenue, Fort Lauderdale, Florida 33301

REVISIONS

NO.	DATE	BY	CHK'D	DESCRIPTION

PROJECT # 12243
TAXIWAY FOXTROT
RELOCATION PROJECT
TAXIWAY PROFILES

SHEET NO. OF
C51 70

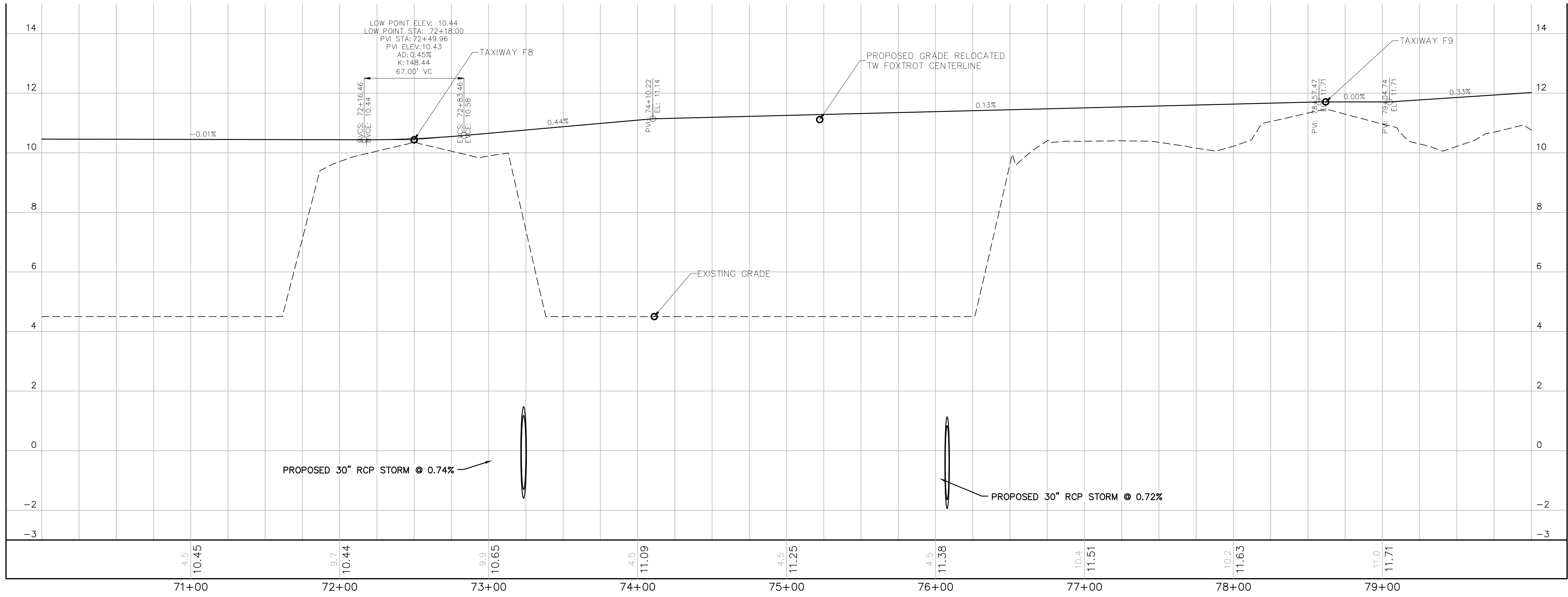
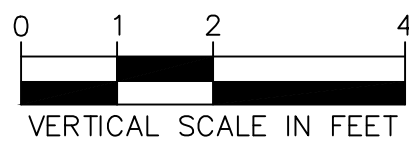
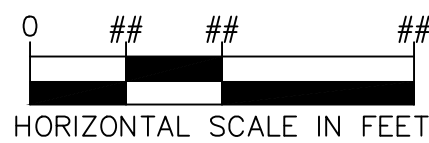
TOTAL: 103

CAD FILE:
12243-MULTI-PROF

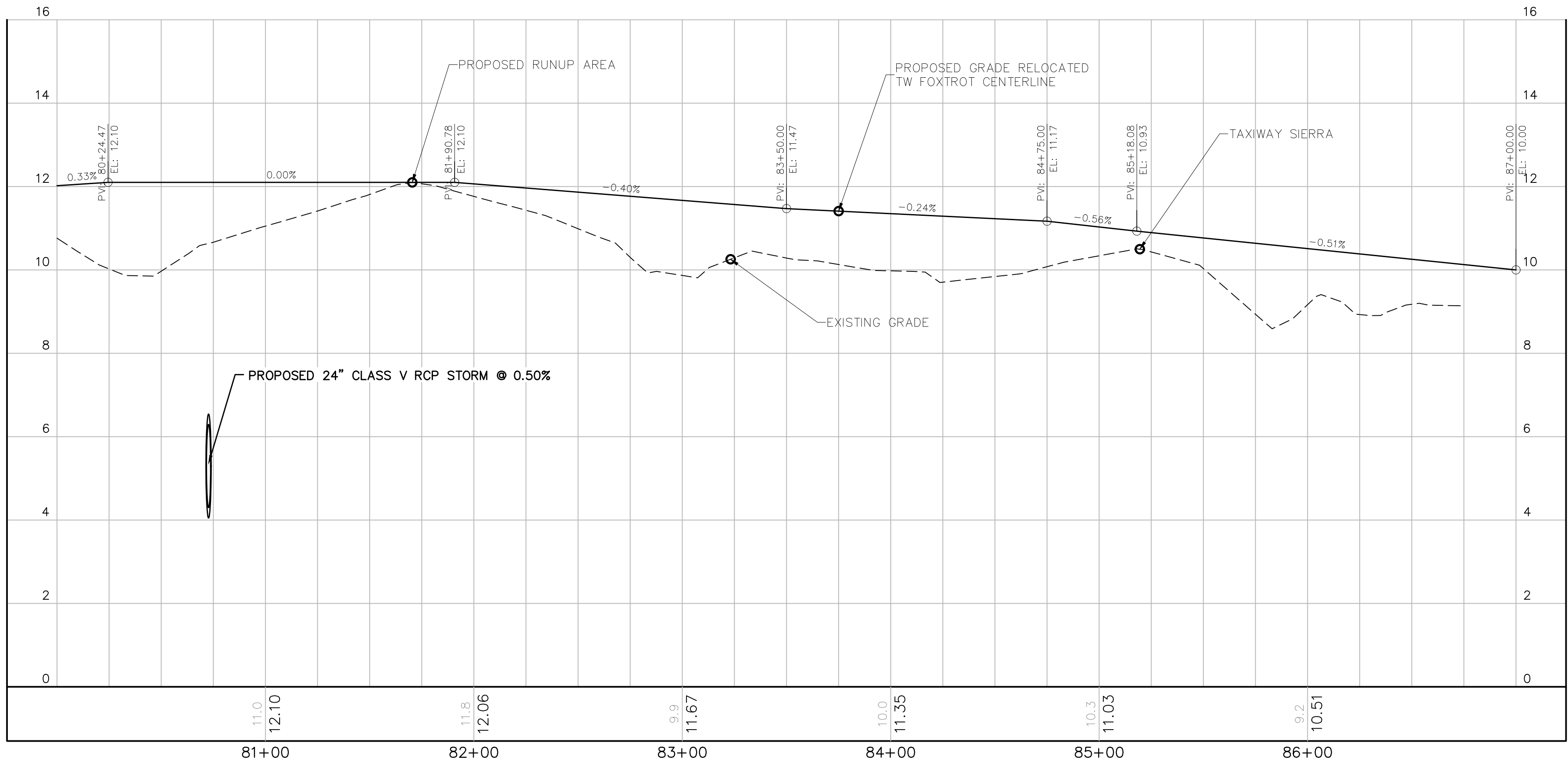
DRAWING FILE NO.
4-141-45

BID SET

K:\FLAVATION\044693068 - FXE FOXTROT RELOCATION\CADD\PLANSHEETS\12243-MULTI-PROF .DWG



TAXIWAY FOXTROT CENTERLINE PROFILE STA. 70+00 TO STA. 80+00



TAXIWAY FOXTROT CENTERLINE PROFILE STA. 80+00 TO STA. 87+00

NOTES

1. REFERENCE SHEETS C38 - C42 FOR GEOMETRY LAYOUT.
2. UNDERGROUND UTILITY LOCATIONS ARE APPROXIMATE. CONTRACTOR TO OBTAIN UNDERGROUND UTILITY LOCATION AS REQUIRED BY LAW. SEE GENERAL NOTES SHEET C01. ALL FACILITIES ARE TO REMAIN EXCEPT WHERE OTHERWISE SHOWN. TAKE CARE DURING CONSTRUCTION TO AVOID DAMAGE TO EXISTING ABOVE GROUND AND UNDERGROUND FACILITIES.

Kimley-Horn
Kimley-Horn and Associates, Inc.
©2019 KIMLEY-HORN AND ASSOCIATES, INC.
1920 WENONA WAY, SUITE 200, WEST PALM BEACH, FL 33411
PHONE: 561-966-5000 FAX: 561-966-5001

HILLERS ELECTRICAL ENGINEERING, INC.
23297 STATE ROAD 7, SUITE 100
BOCA RATON, FLORIDA 33428
(561) 451-9165 PHONE
(561) 451-4886 FAX

CALL 48 HOURS BEFORE YOU DIG

IT'S THE LAW! DIAL 811

Know what's below. Call before you dig.

SUNSHINE STATE ONE CALL OF FLORIDA, INC.

CALL 48 HOURS BEFORE DIGGING
FAA FACILITIES 954-356-7212

BID SET

PROJECT # 12243
TAXIWAY FOXTROT
RELOCATION PROJECT
TAXIWAY PROFILES

SHEET NO.	OF
C51	70
TOTAL:	103
CAD FILE:	12243-MULTI-PROF
DRAWING FILE NO.	4-141-45

NO.	DATE	BY	CHK'D	DESCRIPTION

CITY OF FORT LAUDERDALE
PUBLIC WORKS DEPARTMENT
ENGINEERING & ARCHITECTURE
100 North Andrews Avenue, Fort Lauderdale, Florida 33301

DRAWN BY:	DATE:
ALB	04-15-2019
DESIGNED BY:	SCALE:
MM	AS NOTED
CHECKED BY:	
TFO	
FIELD BOOK:	

ENGINEER:

THOMAS F. O'DONNELL

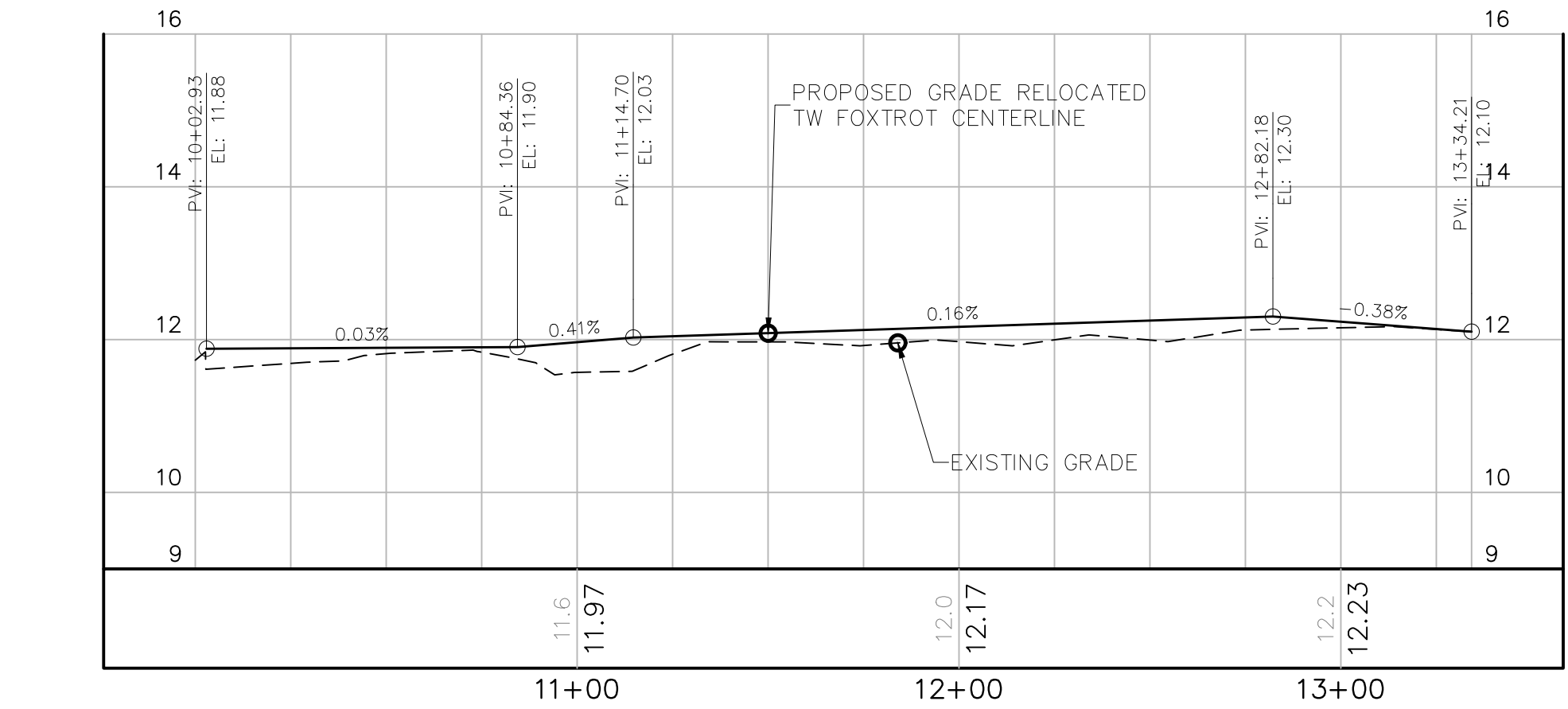
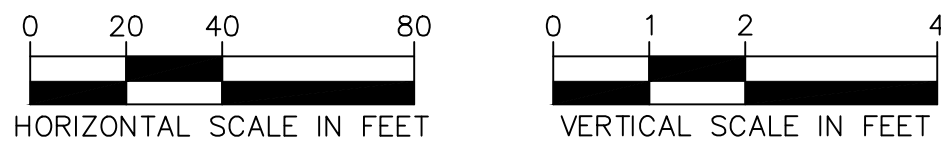
PROJ. NO: 06476

DATE:

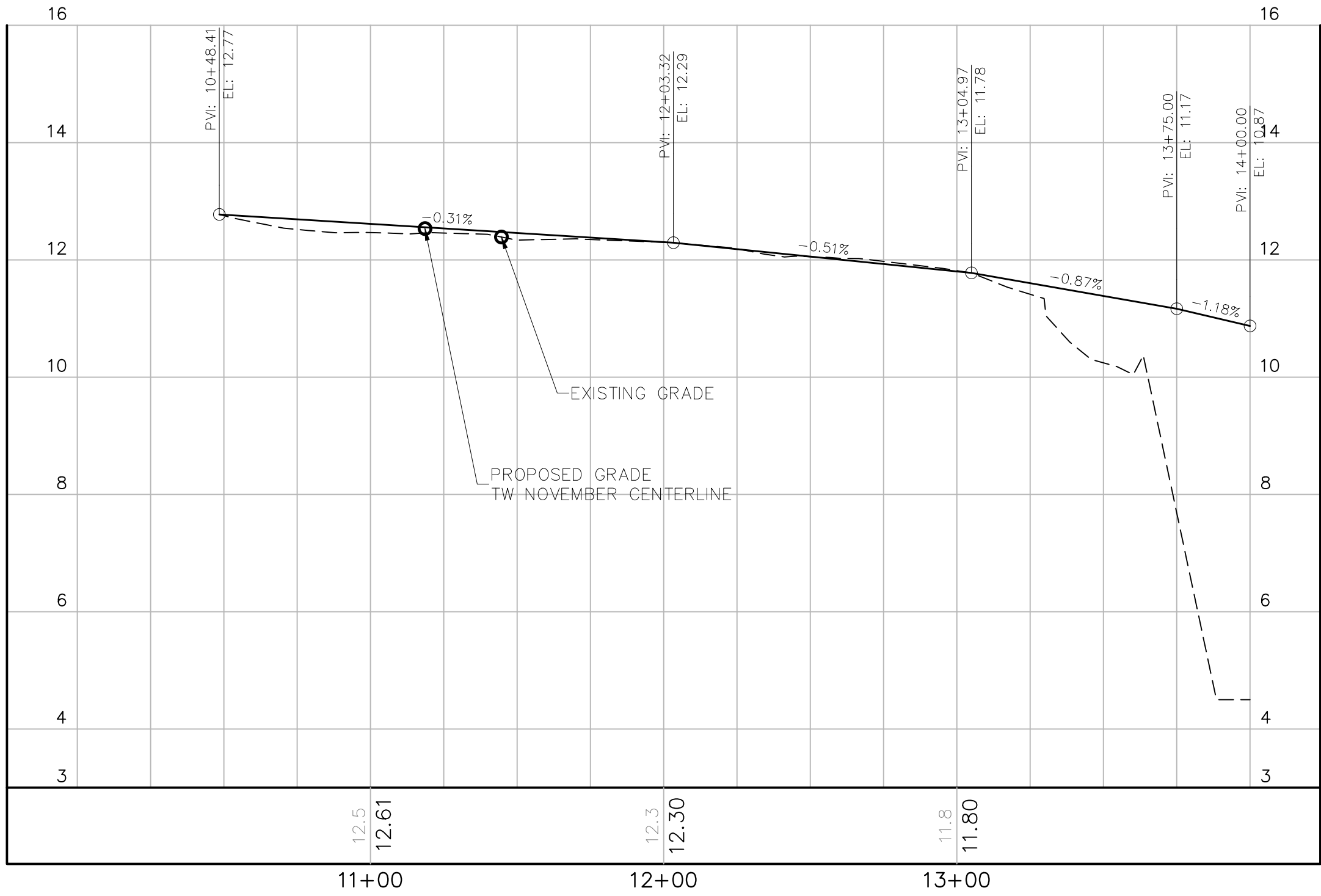
TEL: 561-840-0825

FAX:

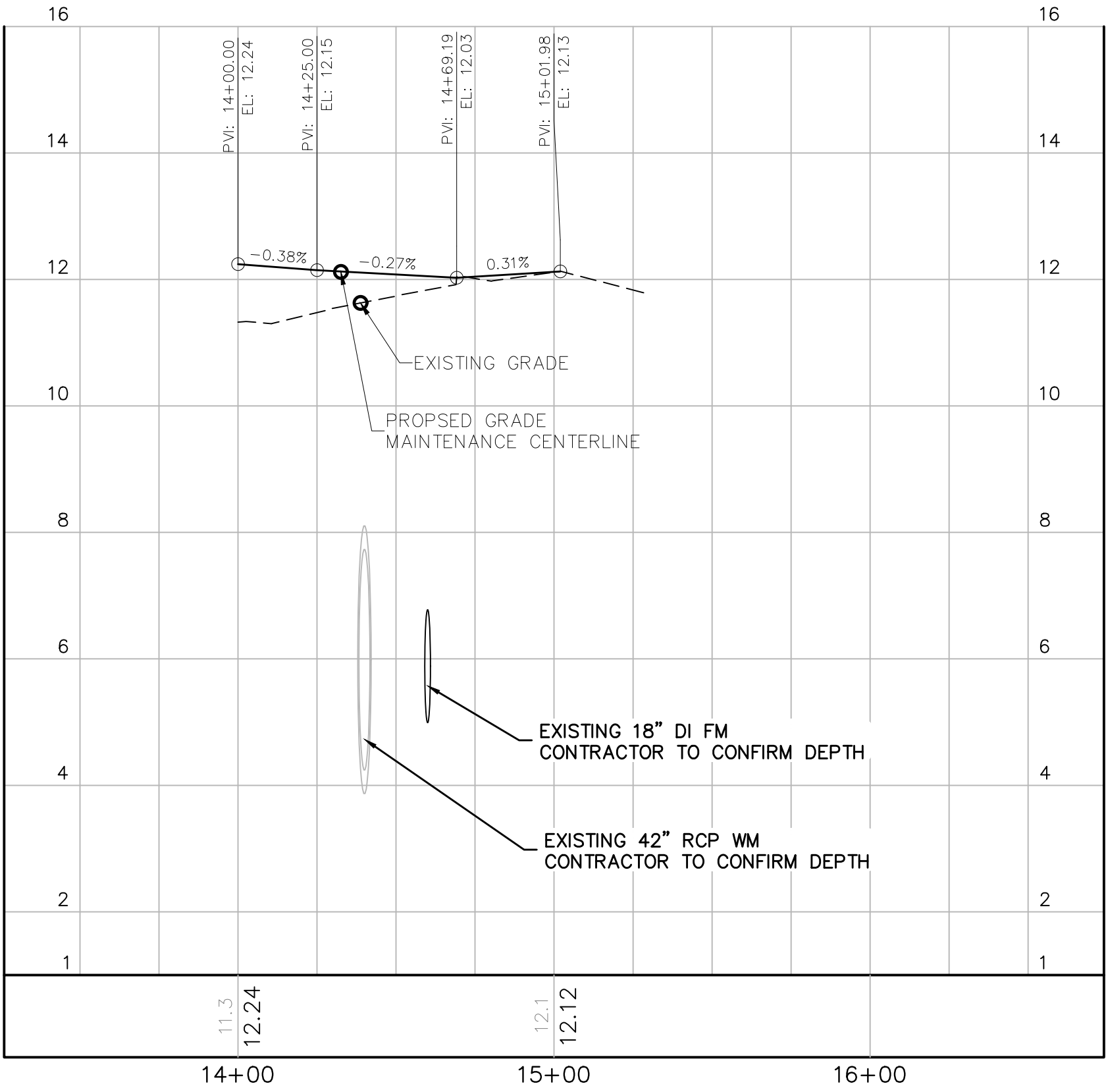
K:\FLAVIATION\044693068 - FXE FOX TROT RELOCATION\CADD\PLANSHEETS\12243-MULTI-PROF .DWG



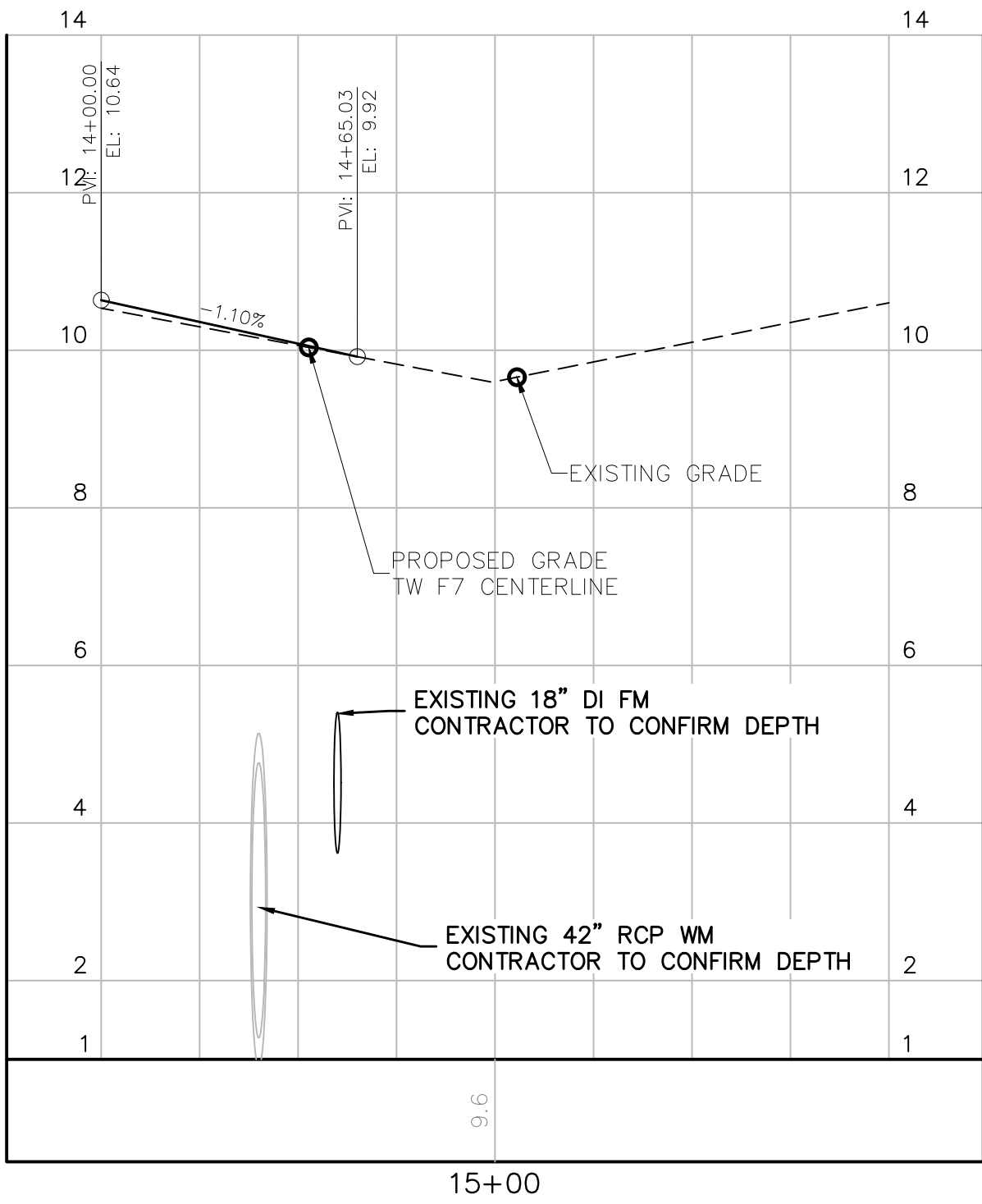
EXISTING TAXIWAY FOX TROT CONNECTION TO WEST FOX TROT
CENTERLINE PROFILE STA.10+02 TO STA. 13+34



TAXIWAY NOVEMBER CONNECTION TO WEST FOX TROT CENTERLINE
PROFILE STA.10+48 TO STA. 14+00



MAINTENANCE ENTRANCE CENTERLINE PROFILE
STATION 14+00 TO STA. 15+00



ENTRANCE F7 CENTERLINE PROFILE STA. 14+00 TO STA. 14+65

NOTES

- REFERENCE SHEETS C38 - C42 FOR GEOMETRY LAYOUT.
- UNDERGROUND UTILITY LOCATIONS ARE APPROXIMATE. CONTRACTOR TO OBTAIN UNDERGROUND UTILITY LOCATION AS REQUIRED BY LAW. SEE GENERAL NOTES SHEET C01. ALL FACILITIES ARE TO REMAIN EXCEPT WHERE OTHERWISE SHOWN. TAKE CARE DURING CONSTRUCTION TO AVOID DAMAGE TO EXISTING ABOVE GROUND AND UNDERGROUND FACILITIES.

Kimley-Horn
Kimley-Horn and Associates, Inc.
©2019 KIMLEY-HORN AND ASSOCIATES, INC.
1920 WENONA WAY, SUITE 200, WEST PALM BEACH, FL 33411
PHONE: 561-966-8888 FAX: 561-966-8888

HILLERS ELECTRICAL
ENGINEERING, INC.
23297 STATE ROAD 7, SUITE 100
BOCA RATON, FLORIDA 33428
(561) 451-9165 PHONE
(561) 451-4886 FAX

CALL 48 HOURS BEFORE YOU DIG



IT'S THE LAW! DIAL 811

SUNSHINE STATE ONE CALL OF FLORIDA, INC.
CALL 48 HOURS BEFORE DIGGING
FAA FACILITIES 954-356-7212

PROJECT # 12243
TAXIWAY FOX TROT
RELOCATION PROJECT
TAXIWAY PROFILES

SHEET NO.	OF
C53	70
TOTAL:	103
CAD FILE:	12243-MULTI-PROF
DRAWING FILE NO.	4-141-45

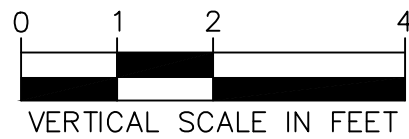
NO.	REVISIONS		DESCRIPTION
	BY	CHK'D	

CITY OF FORT LAUDERDALE
PUBLIC WORKS DEPARTMENT
ENGINEERING & ARCHITECTURE
100 North Andrews Avenue, Fort Lauderdale, Florida 33301

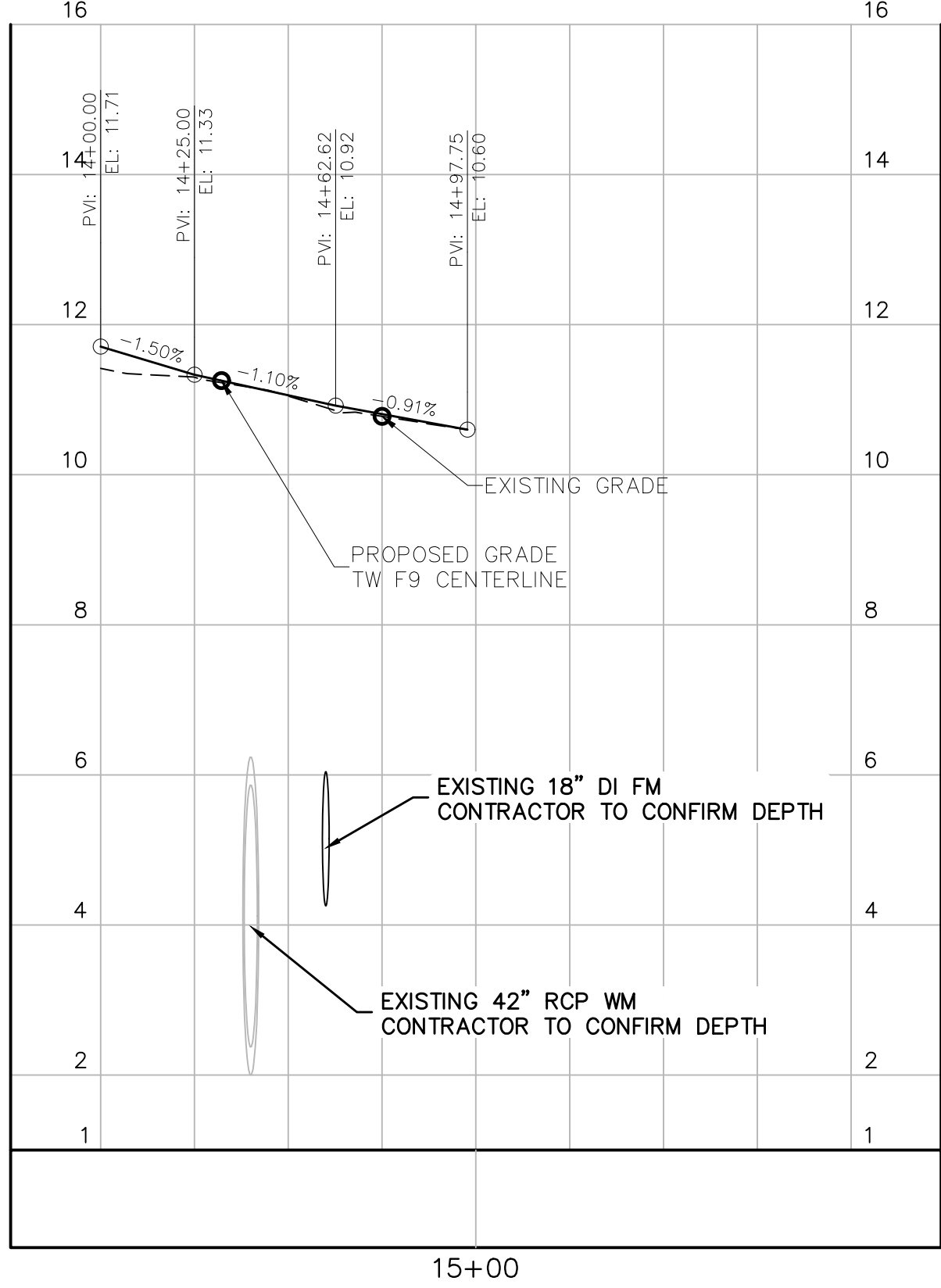
DRAWN BY:	DATE:
ALB	04-15-2019
DESIGNED BY:	SCALE:
MM	AS NOTED
CHECKED BY:	TFO
FIELD BOOK:	

ENGINEER:
THOMAS F. O'DONNELL
Lic. No. 62476
DATE:
TEL. 561-840-0825
FAX:

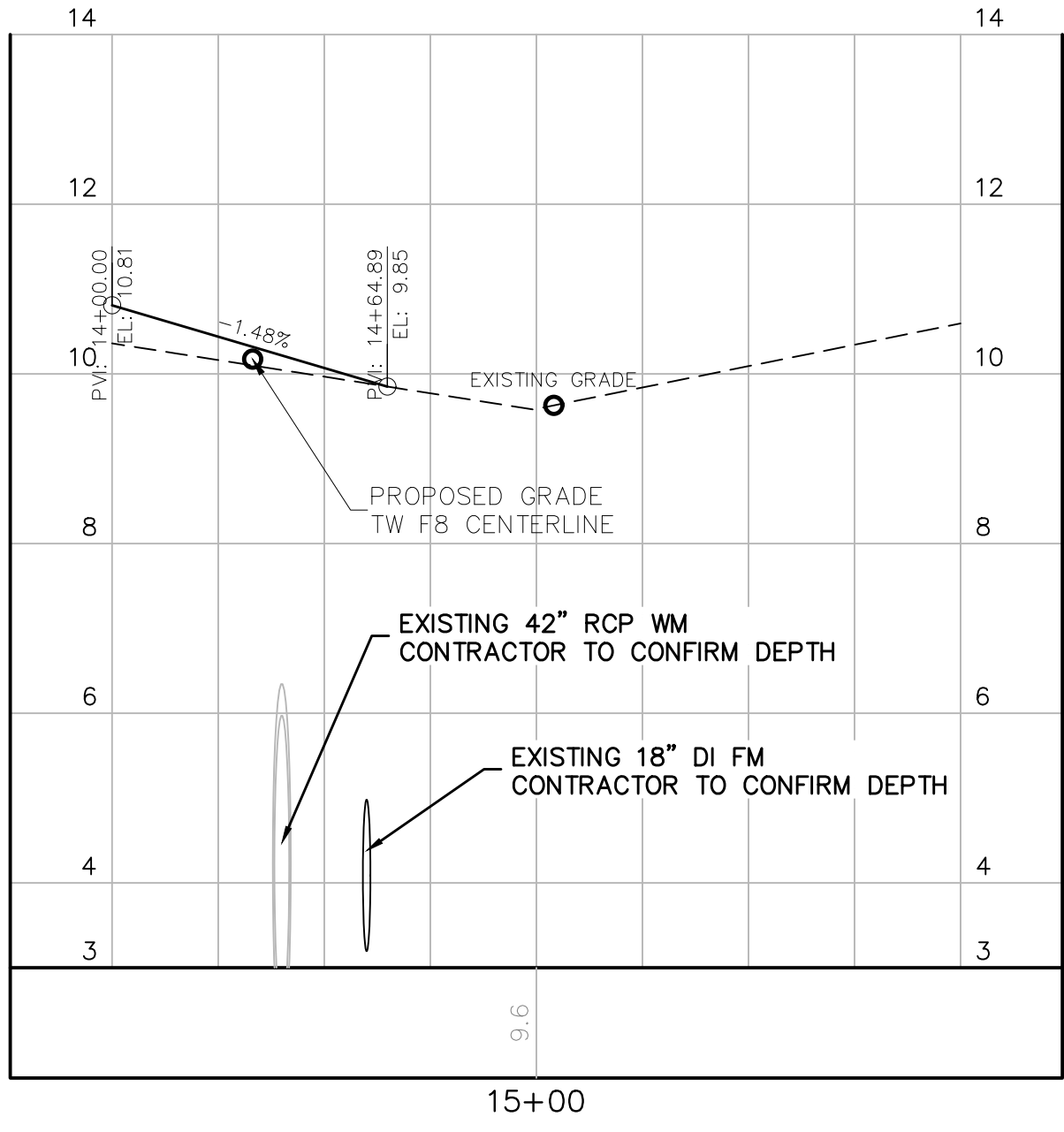
K:\FTL\AVIATION\044693068 - FXE FOX TROT RELOCATION\CADD\PLANSHEETS\12243-MULTI-PROF .DWG



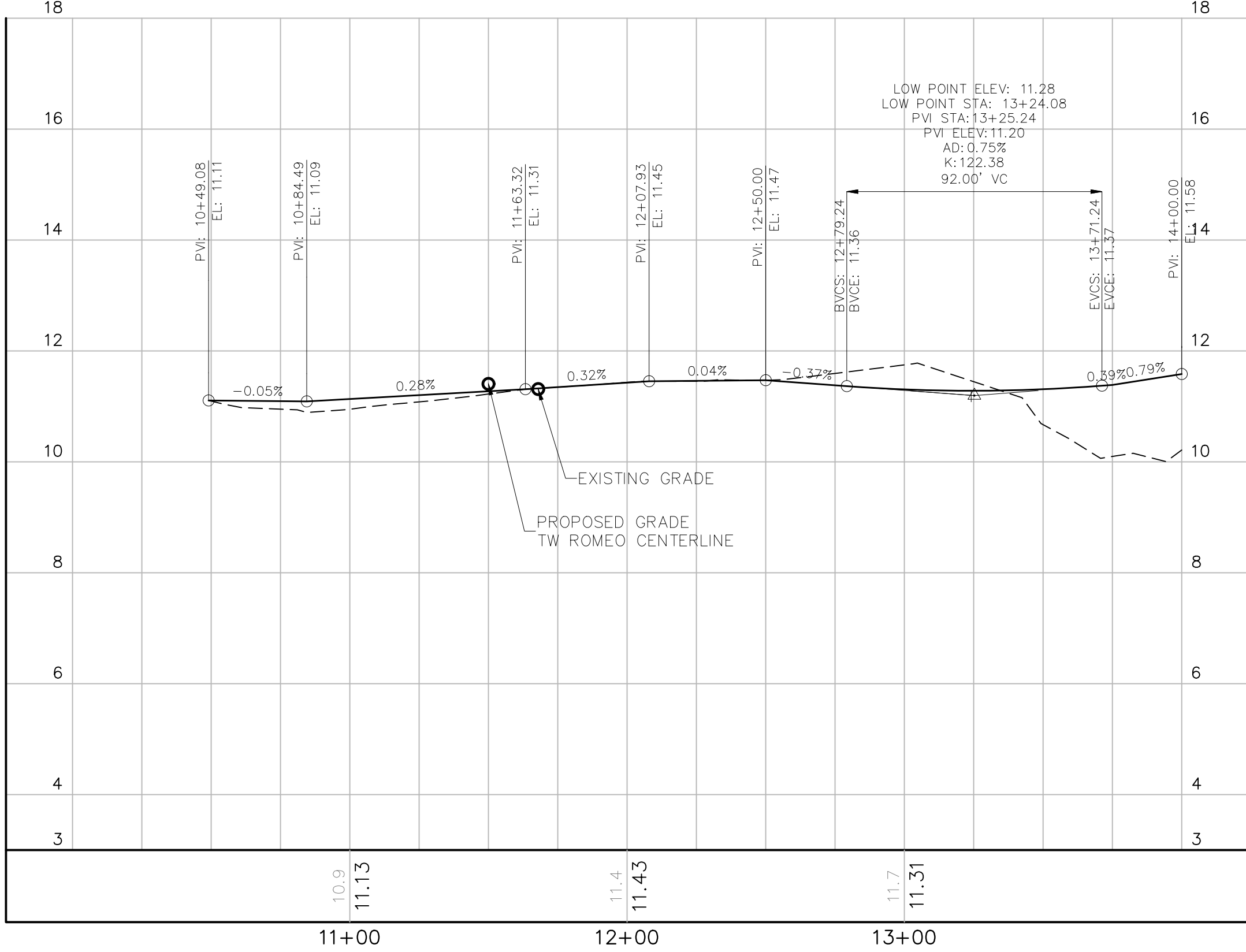
ENTRANCE F9 CENTERLINE PROFILE STA.14+00 TO STA. 14+97



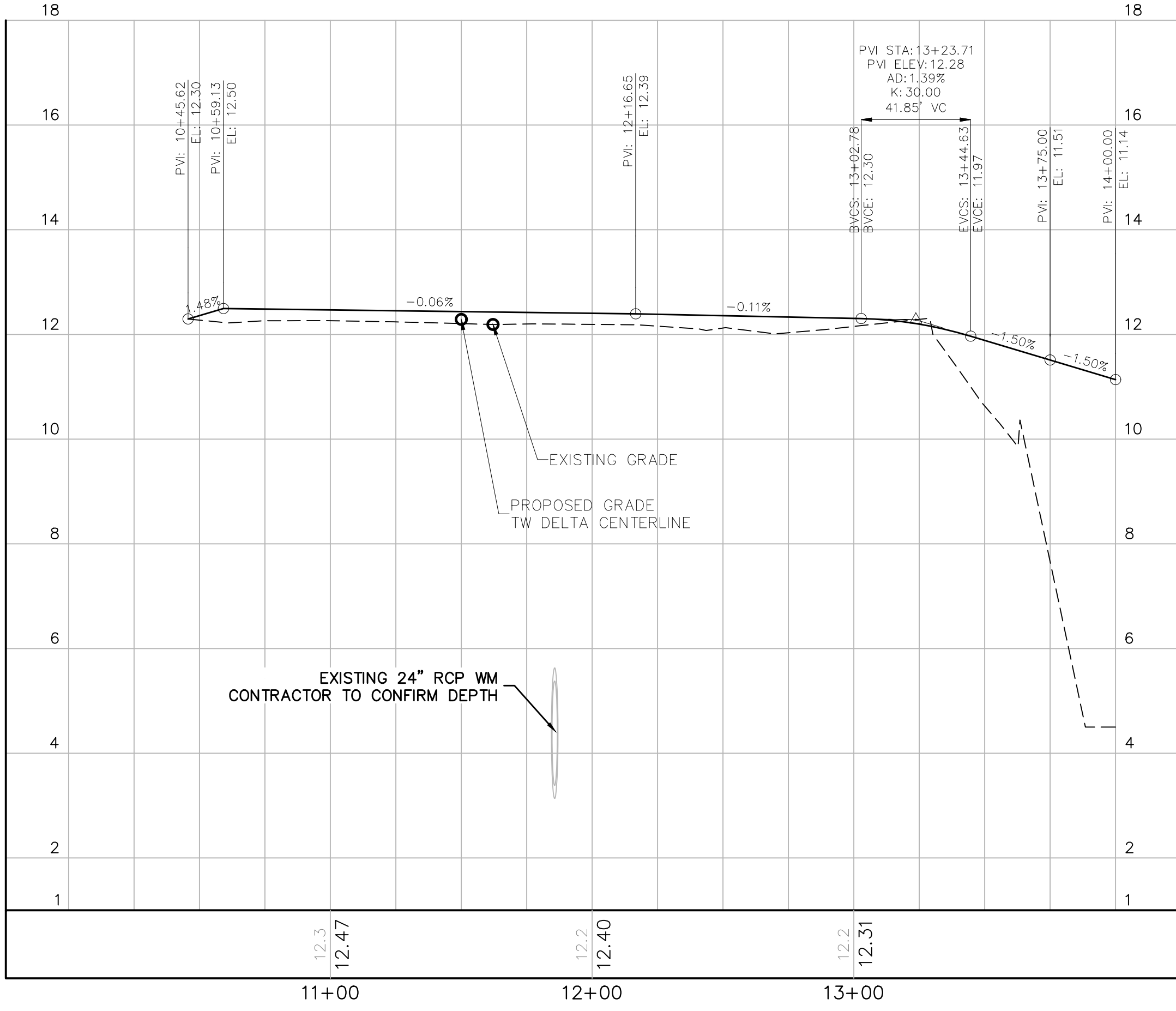
ENTRANCE F8 CENTERLINE PROFILE STA.10+00 TO STA. 14+64



TAXIWAY ROMEO CENTERLINE PROFILE STA. 10+49 TO STA. 14+00



TAXIWAY DELTA CENTERLINE PROFILE STA. 10+45 TO STA. 14+00



NOTES

- REFERENCE SHEETS C38 - C42 FOR GEOMETRY LAYOUT.
- UNDERGROUND UTILITY LOCATIONS ARE APPROXIMATE. CONTRACTOR TO OBTAIN UNDERGROUND UTILITY LOCATION AS REQUIRED BY LAW. SEE GENERAL NOTES SHEET C01. ALL FACILITIES ARE TO REMAIN EXCEPT WHERE OTHERWISE SHOWN. TAKE CARE DURING CONSTRUCTION TO AVOID DAMAGE TO EXISTING ABOVE GROUND AND UNDERGROUND FACILITIES.

CALL 48 HOURS BEFORE YOU DIG

IT'S THE LAW! DIAL 811

SUNSHINE STATE ONE CALL OF FLORIDA, INC.

CALL 48 HOURS BEFORE DIGGING
FAA FACILITIES 954-356-7212

Kimley-Horn
Kimley-Horn and Associates, Inc.
©2019 KIMLEY-HORN AND ASSOCIATES, INC.
1920 WENONA WAY, SUITE 200, WEST PALM BEACH, FL 33411
PHONE: 561-833-0808 FAX: 561-833-0808

HILLERS ELECTRICAL ENGINEERING, INC.
23297 STATE ROAD 7, SUITE 100
BOCA RATON, FLORIDA 33428
(561) 451-9165 PHONE
(561) 451-4886 FAX

BID SET

PROJECT # 12243
TAXIWAY FOX TROT
RELOCATION PROJECT
TAXIWAY PROFILES

SHEET NO.	OF
C54	70
TOTAL:	103
CAD FILE:	12243-MULTI-PROF
DRAWING FILE NO.	4-141-45

CITY OF FORT LAUDERDALE
PUBLIC WORKS DEPARTMENT
ENGINEERING & ARCHITECTURE
100 North Andrews Avenue, Fort Lauderdale, Florida 33301

NO.	DATE	BY	CHK'D	DESCRIPTION

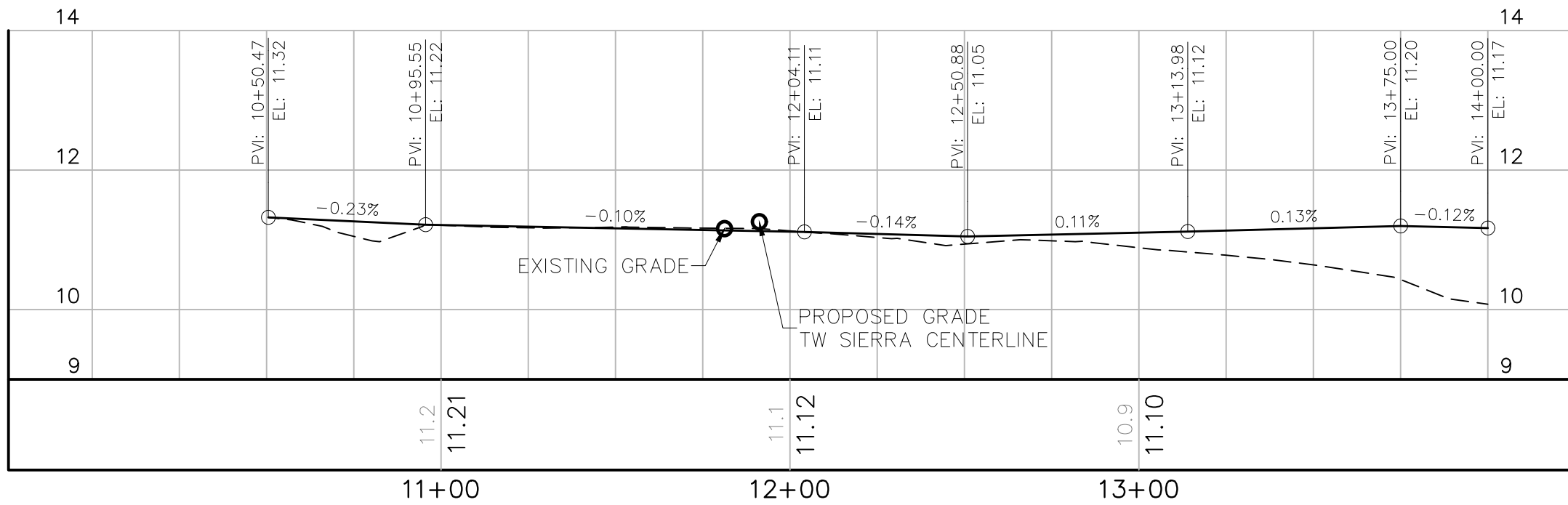
ENGINEER:
THOMAS F. O'DONNELL
Lic. No. 06476
DATE:

DRAWN BY:
ALB
DATE:
04-15-2019

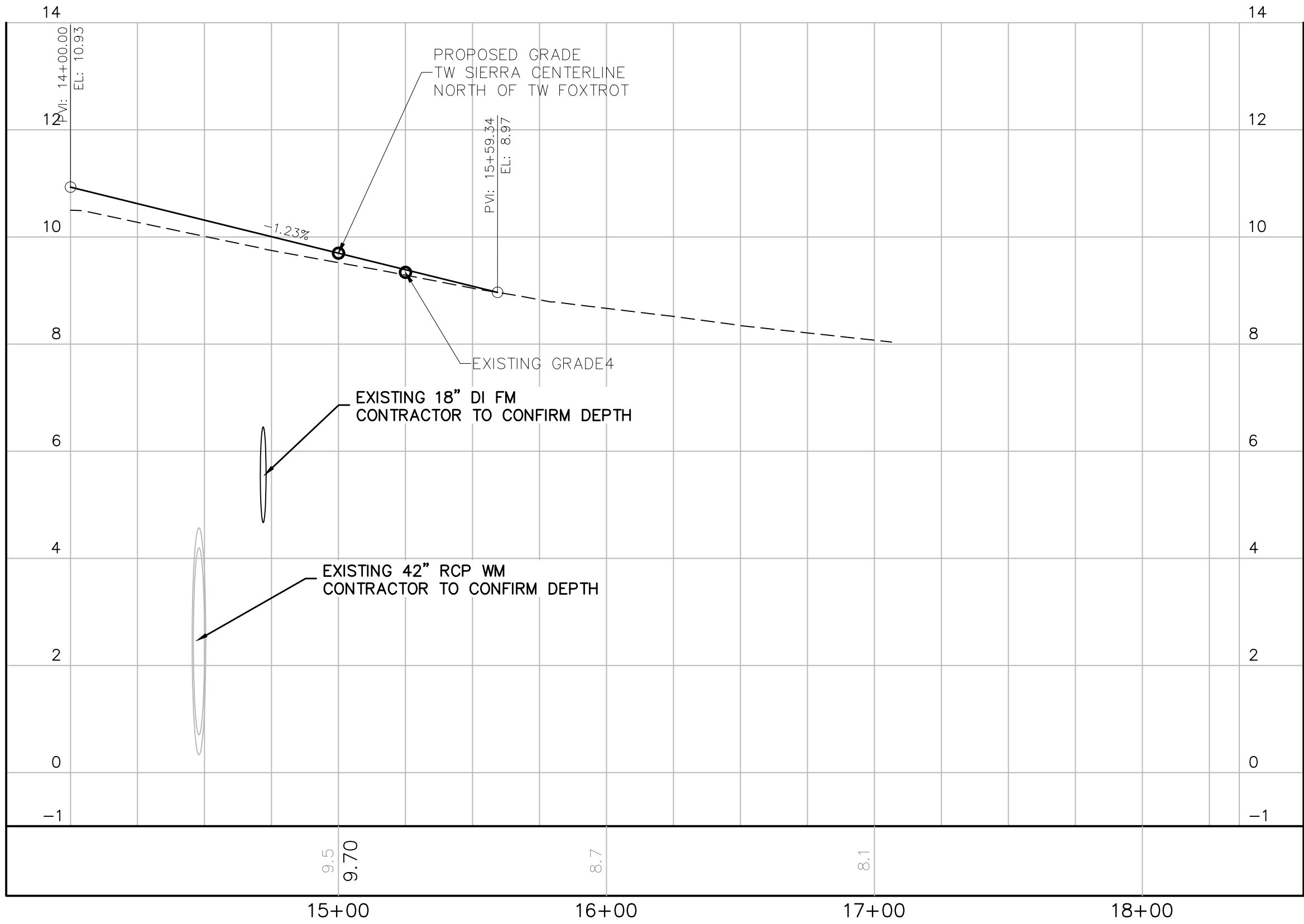
DESIGNED BY:
MM
SCALE:
AS NOTED

CHECKED BY:
TFO
FIELD BOOK:

K:\FTL\AVIATION\044693068 - FXE FOX TROT RELOCATION\CADD\PLANSHEETS\12243-MULTI-PROF .DWG



TAXIWAY SIERRA CENTERLINE PROFILE STA.10+50 TO STA. 14+00



TAXIWAY SIERRA NORTH CENTERLINE PROFILE STA. 14+00 TO STA. 15+59

NOTES

1. REFERENCE SHEETS C38 - C42 FOR GEOMETRY LAYOUT.
2. UNDERGROUND UTILITY LOCATIONS ARE APPROXIMATE. CONTRACTOR TO OBTAIN UNDERGROUND UTILITY LOCATION AS REQUIRED BY LAW. SEE GENERAL NOTES SHEET C01. ALL FACILITIES ARE TO REMAIN EXCEPT WHERE OTHERWISE SHOWN. TAKE CARE DURING CONSTRUCTION TO AVOID DAMAGE TO EXISTING ABOVE GROUND AND UNDERGROUND FACILITIES.

CALL 48 HOURS BEFORE YOU DIG

IT'S THE LAW! DIAL 811

SUNSHINE STATE ONE CALL OF FLORIDA, INC.

CALL 48 HOURS BEFORE DIGGING

FAA FACILITIES 954-356-7212

Kimley-Horn
Kimley-Horn and Associates, Inc.
©2019 KIMLEY-HORN AND ASSOCIATES, INC.
1920 WENONA WAY, SUITE 200, WEST PALM BEACH, FL 33411
PHONE: (407) 851-9185 FAX: (407) 451-4886

HILLERS ELECTRICAL ENGINEERING, INC.
23257 STATE ROAD 7, SUITE 100
BOCA RATON, FLORIDA 33428
(561) 451-9185 PHONE
(561) 451-4886 FAX

BID SET

PROJECT # 12243
TAXIWAY FOX TROT
RELOCATION PROJECT
TAXIWAY PROFILES

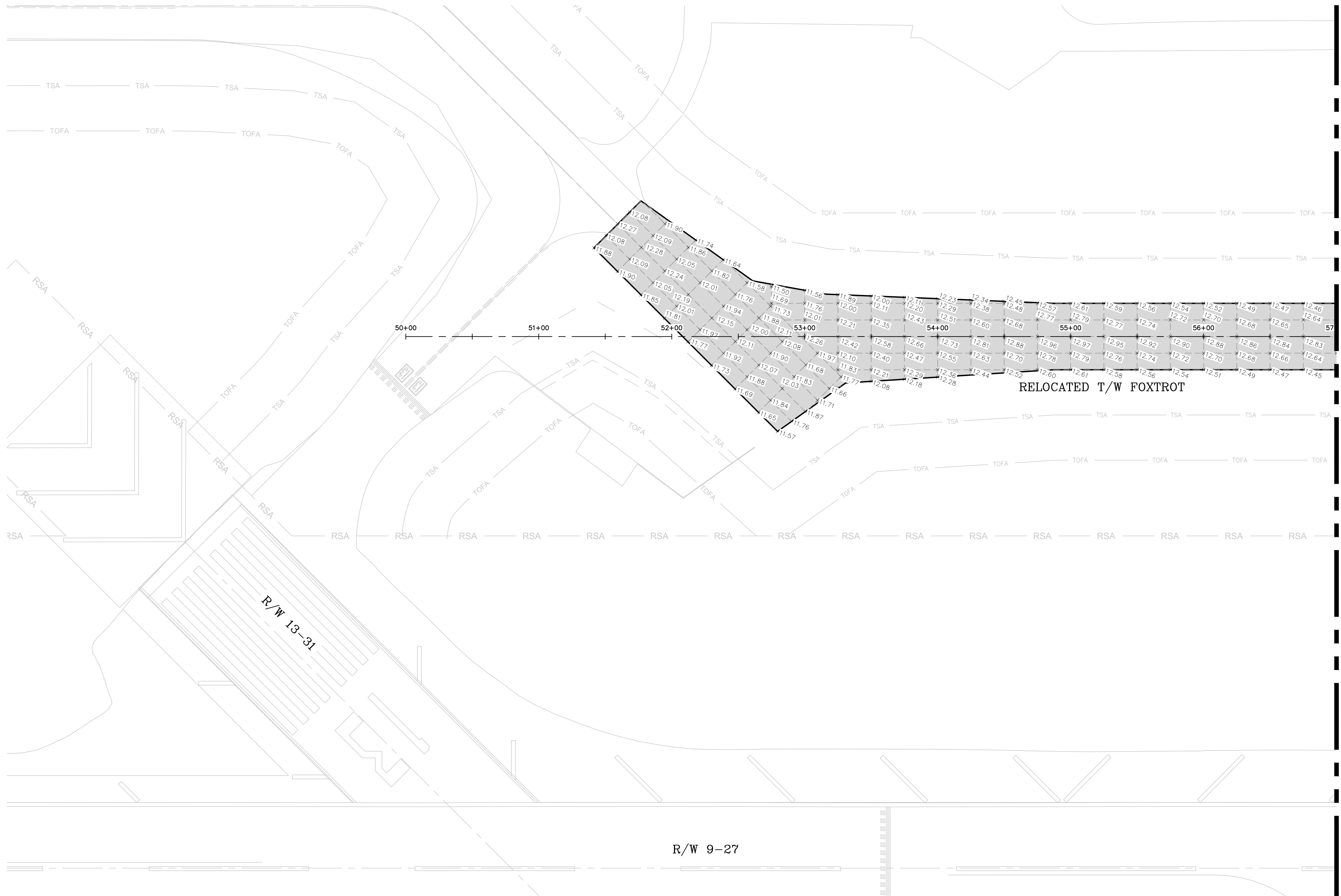
SHEET NO.	OF
C55	70
TOTAL:	103
CAD FILE:	12243-MULTI-PROF
DRAWING FILE NO.	4-141-45

REVISIONS		DESCRIPTION	
NO.	DATE	BY	CHK'D

CITY OF FORT LAUDERDALE
PUBLIC WORKS DEPARTMENT
ENGINEERING & ARCHITECTURE
100 North Andrews Avenue, Fort Lauderdale, Florida 33301

ENGINEER: THOMAS F. O'DONNELL
DATE: 04-15-2019
DRAWN BY: ALB
DESIGNED BY: MM
CHECKED BY: TFO
FIELD BOOK:

PROJECT No: 62476
TEL: 561-840-0825
FAX:



LEGEND (WORK)

 CONSTRUCT NEW PAVEMENT SECTION TO GRADE

LEGEND (SYMBOL)

+11.6 SPOT ELEVATION
—RSA— RUNWAY SAFETY AREA
—TSA— TAXIWAY SAFETY AREA
—TOFA— TAXIWAY OBJECT FREE AREA

NOTES

1. REFER TO SHEETS C38 TO C42 FOR PAVING AND GEOMETRY PLANS.
2. REFER TO SHEETS C43 TO C47 FOR GRADING PLANS.
3. REFER TO SHEET C32 TO C36 FOR DEMOLITION REQUIREMENTS
4. SEE "TYPICAL SECTIONS" SHEET NOS. C28 & C29

THE ELEVATIONS SHOWN HEREON ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAV88). TO CONVERT THE ELEVATIONS HEREON TO NATIONAL GEODETIC VERTICAL DATUM (NGVD29) ADD 1.51 FEET.

CALL 48 HOURS BEFORE YOU DIG

IT'S THE LAW!
DIAL 811

Know what's below.
Call before you dig.

SUNSHINE STATE ONE CALL OF FLORIDA, INC.

CALL 48 HOURS BEFORE DIGGING
FAA FACILITIES 954-356-7212

Kimley-Horn

Kimley-Horn and Associates, Inc.

©2019 KIMLEY-HORN AND ASSOCIATES, INC.

1920 WENDY WAY, SUITE 200, WEST PALM BEACH, FL 33411

PHONE: 561-840-0825 FAX: 561-840-0825

HILLERS ELECTRICAL

ENGINEERING, INC.

23297 STATE ROAD 7, SUITE 100

BOCA RATON, FLORIDA 33428

(561) 451-9165 PHONE

(561) 451-4886 FAX

BID SET

PROJECT # 12243
TAXIWAY FOX TROT
RELOCATION PROJECT
SPOT ELEVATION PLANS

SHEET NO.	OF
C56	70
TOTAL:	103
CAD FILE:	12243-MULTI-ELEV
DRAWING FILE NO.	4-141-45

CITY OF FORT LAUDERDALE
PUBLIC WORKS DEPARTMENT
ENGINEERING & ARCHITECTURE

100 North Andrews Avenue, Fort Lauderdale, Florida 33301

REVISIONS		DESCRIPTION	
NO.	DATE	BY	CHK'D

DRAWN BY:	DATE:
ALB	04-15-2019
DESIGNED BY:	SCALE:
MM	AS NOTED
CHECKED BY:	
TFO	
FIELD BOOK:	

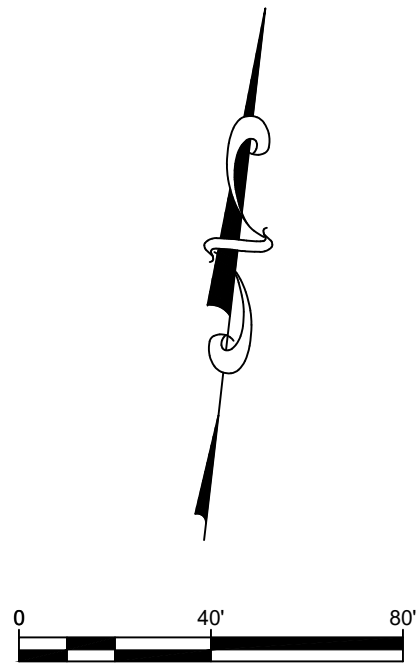
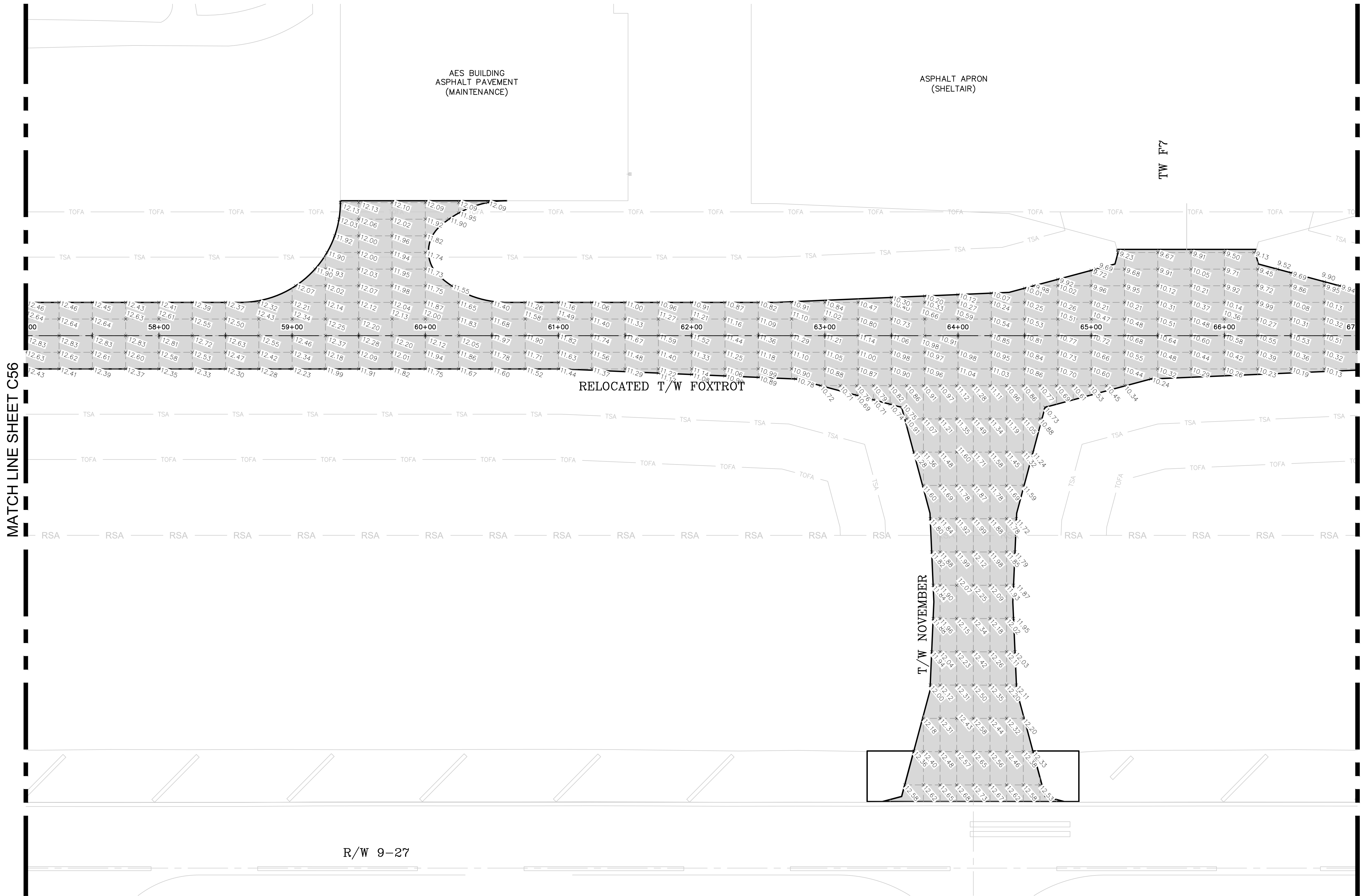
ENGINEER:
THOMAS F. O'DONNELL
Lic. No. 06476
DATE:

TEL 561-840-0825
FAX:

K:\FTL\AVIATION\044693068 - FXE FOXROT RELOCATION\CADD\PLANSHEETS\12243-MULTI-ELEV.DWG

MATCH LINE SHEET C56

MATCH LINE SHEET C58



LEGEND (WORK)

CONSTRUCT NEW PAVEMENT SECTION TO GRADE

LEGEND (SYMBOL)

SPOT ELEVATION
—RSA— RUNWAY SAFETY AREA
—TSA— TAXIWAY SAFETY AREA
—TOFA— TAXIWAY OBJECT FREE AREA

NOTES

1. REFER TO SHEETS C38 TO C42 FOR PAVING AND GEOMETRY PLANS.
2. REFER TO SHEETS C43 TO C47 FOR GRADING PLANS.
3. REFER TO SHEET C32 TO C36 FOR DEMOLITION REQUIREMENTS
4. SEE "TYPICAL SECTIONS" SHEET NOS. C28 & C29

THE ELEVATIONS SHOWN HEREON ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAV88). TO CONVERT THE ELEVATIONS HEREON TO NATIONAL GEODETIC VERTICAL DATUM (NGVD29) ADD 1.51 FEET.

CALL 48 HOURS BEFORE YOU DIG
IT'S THE LAW! DIAL 811
Know what's below. Call before you dig.
SUNSHINE STATE ONE CALL OF FLORIDA, INC.
CALL 48 HOURS BEFORE DIGGING
FAA FACILITIES 954-356-7212

Kimley-Horn
Kimley-Horn and Associates, Inc.
©2019 KIMLEY-HORN AND ASSOCIATES, INC.
1920 WENONA WAY, SUITE 200, WEST PALM BEACH, FL 33411
PAPER NO. CA 00000006 04/09/2008

HILLERS ELECTRICAL ENGINEERING, INC.
23297 STATE ROAD 7, SUITE 100
BOCA RATON, FLORIDA 33428
(561) 451-9165 PHONE
(561) 451-4886 FAX

BID SET

ENGINEER: THOMAS F. O'DONNELL
PROJ. NO.: 06476
DATE:
DRAWN BY: ALB
DESIGNED BY: SCALE: AS NOTED
CHECKED BY: MM
TFO
FIELD BOOK:
TEL: 561-840-0825
FAX:

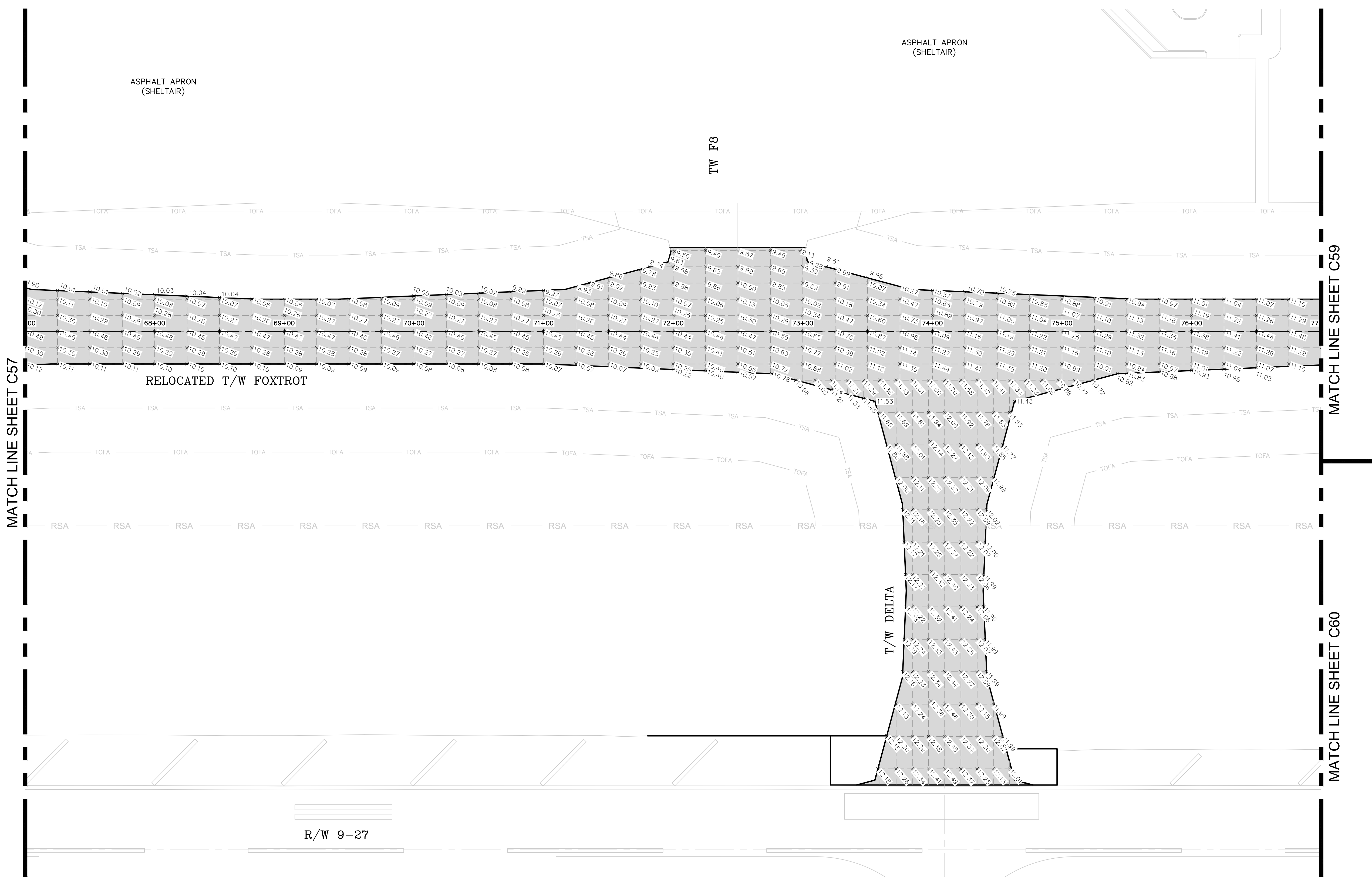
DATE: 04-15-2019
SCALE: AS NOTED
CHECKED BY: MM
TFO
FIELD BOOK:

CITY OF FORT LAUDERDALE
PUBLIC WORKS DEPARTMENT
ENGINEERING & ARCHITECTURE
100 North Andrews Avenue, Fort Lauderdale, Florida 33301

NO.	REVISIONS		DESCRIPTION
	DATE	BY	

PROJECT # 12243
TAXIWAY FOXROT
RELOCATION PROJECT
SPOT ELEVATION PLANS

SHEET NO.	OF
C57	70
TOTAL:	103
CAD FILE:	12243-MULTI-ELEV
DRAWING FILE NO.	4-141-45



LEGEND (WORK)

[Shaded Box] CONSTRUCT NEW PAVEMENT SECTION TO GRADE

LEGEND (SYMBOL)

- +11.6 SPOT ELEVATION
- RSA— RUNWAY SAFETY AREA
- TSA— TAXIWAY SAFETY AREA
- TOFA— TAXIWAY OBJECT FREE AREA

NOTES

1. REFER TO SHEETS C38 TO C42 FOR PAVING AND GEOMETRY PLANS.
2. REFER TO SHEETS C43 TO C47 FOR GRADING PLANS.
3. REFER TO SHEET C32 TO C36 FOR DEMOLITION REQUIREMENTS
4. SEE "TYPICAL SECTIONS" SHEET NOS. C28 & C29

THE ELEVATIONS SHOWN HEREON ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88). TO CONVERT THE ELEVATIONS HEREON TO NATIONAL GEODETIC VERTICAL DATUM (NGVD29) ADD 1.51 FEET.

CALL 48 HOURS BEFORE YOU DIG

IT'S THE LAW! DIAL 811

Know what's below. Call before you dig.

SUNSHINE STATE ONE CALL OF FLORIDA, INC.

CALL 48 HOURS BEFORE DIGGING FAA FACILITIES 954-356-7212

Kimley-Horn
Kimley-Horn and Associates, Inc.
©2019 KIMLEY-HORN AND ASSOCIATES, INC.
1920 WENONA WAY, SUITE 200, WEST PALM BEACH, FL 33411
PAPER NO. CA 00000006 04/09/2008

HILLERS ELECTRICAL ENGINEERING, INC.
23297 STATE ROAD 7, SUITE 100
BOCA RATON, FLORIDA 33428
(561) 451-9165 PHONE
(561) 451-4886 FAX

BID SET

PROJECT # 12243
TAXIWAY FOX TROT
RELOCATION PROJECT
SPOT ELEVATION PLANS

SHEET NO.	OF
C58	70
TOTAL:	103
CAD FILE:	12243-MULTI-ELEV
DRAWING FILE NO.	4-141-45

REVISIONS	
NO.	DESCRIPTION

CITY OF FORT LAUDERDALE
PUBLIC WORKS DEPARTMENT
ENGINEERING & ARCHITECTURE
100 North Andrews Avenue, Fort Lauderdale, Florida 33301

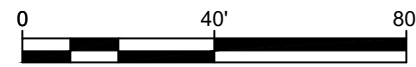
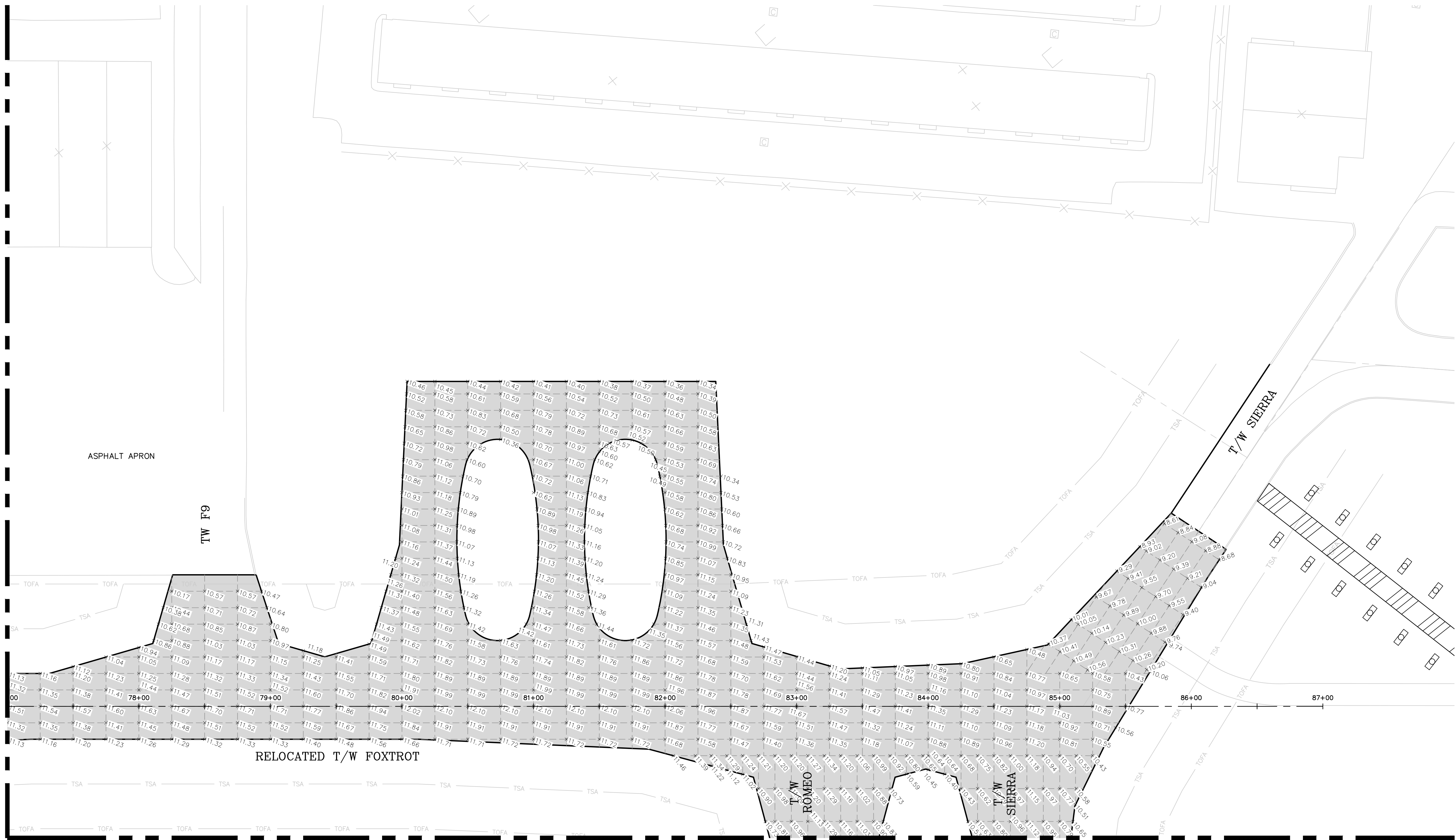
DRAWN BY:	DATE:
ALB	04-15-2019
DESIGNED BY:	SCALE:
MM	AS NOTED
CHECKED BY:	
TFO	
FIELD BOOK:	

ENGINEER:
THOMAS F. O'DONNELL
Lic. No. 62476
DATE:

TEL 561-840-0825
FAX:

K:\FTL\AVIATION\044693068 - FXE FOXTROT RELOCATION\CADD\PLANSHEETS\12243-MULTI-ELEV.DWG

MATCH LINE SHEET C58



LEGEND (WORK)

CONSTRUCT NEW PAVEMENT SECTION TO GRADE

LEGEND (SYMBOL)

+11.6 SPOT ELEVATION
—RSA— RUNWAY SAFETY AREA
—TSA— TAXIWAY SAFETY AREA
—TOFA— TAXIWAY OBJECT FREE AREA

NOTES

1. REFER TO SHEETS C38 TO C42 FOR PAVING AND GEOMETRY PLANS.
2. REFER TO SHEETS C43 TO C47 FOR GRADING PLANS.
3. REFER TO SHEET C32 TO C36 FOR DEMOLITION REQUIREMENTS
4. SEE "TYPICAL SECTIONS" SHEET NOS. C28 & C29

THE ELEVATIONS SHOWN HEREON ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAV88). TO CONVERT THE ELEVATIONS HEREON TO NATIONAL GEODETIC VERTICAL DATUM (NGVD29) ADD 1.51 FEET.

CALL 48 HOURS BEFORE YOU DIG

IT'S THE LAW!
DIAL 811



SUNSHINE STATE ONE CALL OF FLORIDA, INC.
CALL 48 HOURS BEFORE DIGGING
FAA FACILITIES 954-356-7212

Kimley-Horn
Kimley-Horn and Associates, Inc.
©2019 KIMLEY-HORN AND ASSOCIATES, INC.
1920 WENONA WAY, SUITE 200, WEST PALM BEACH, FL 33411
PHONE: 561-965-5000 FAX: 561-965-5001

HILLERS ELECTRICAL
ENGINEERING, INC.
23297 STATE ROAD 7, SUITE 100
BOCA RATON, FLORIDA 33428
(561) 451-9165 PHONE
(561) 451-4886 FAX

PROJECT # 12243
TAXIWAY FOX TROT
RELOCATION PROJECT
SPOT ELEVATION PLANS

SHEET NO. OF
C59 70
TOTAL: 103
CAD FILE: 12243-MULTI-ELEV
DRAWING FILE NO. 4-141-45

CITY OF FORT LAUDERDALE
PUBLIC WORKS DEPARTMENT
ENGINEERING & ARCHITECTURE
100 North Andrews Avenue, Fort Lauderdale, Florida 33301

NO.	DATE	REVISIONS	
		BY	DESCRIPTION

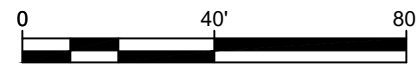
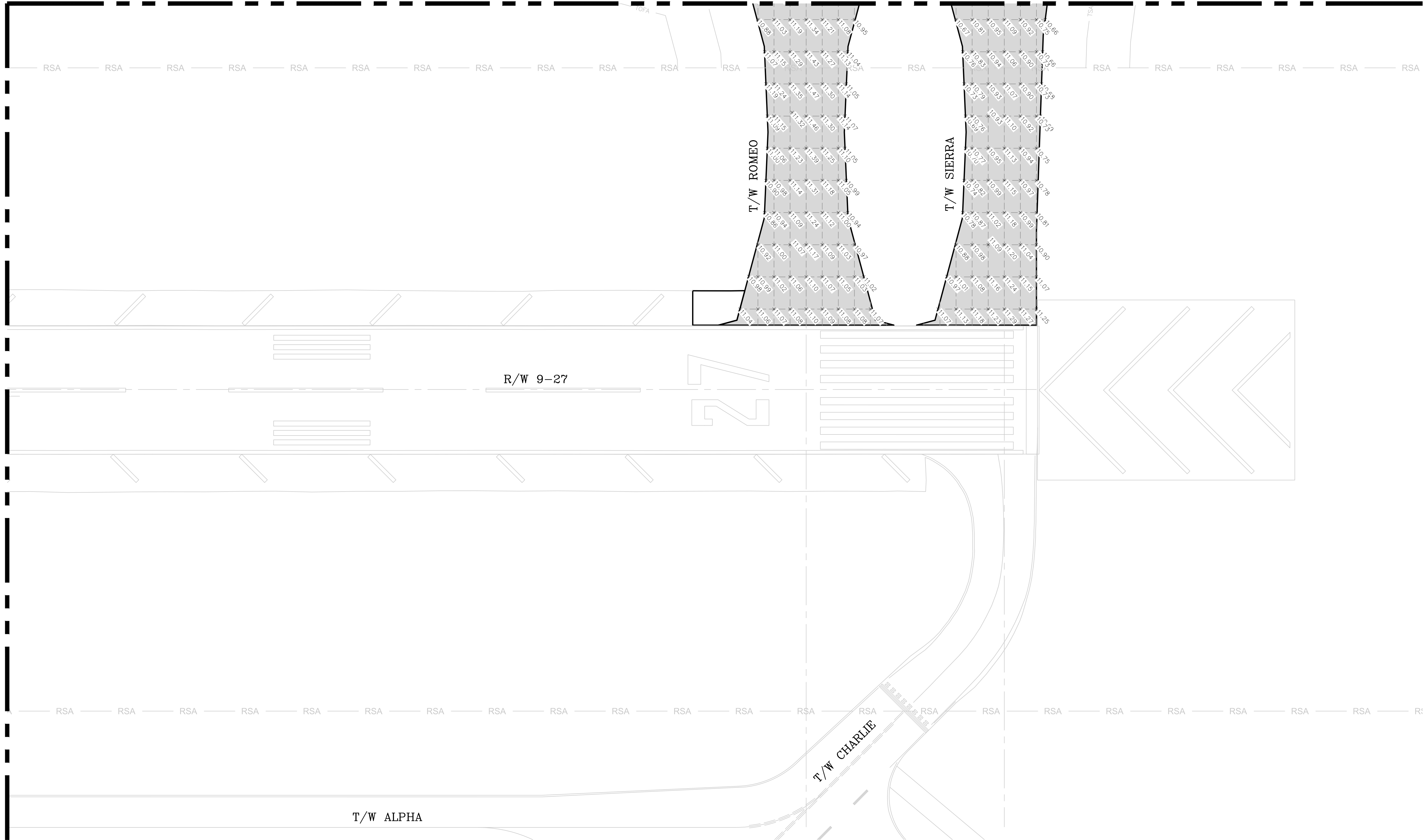
ENGINEER: THOMAS F. O'DONNELL
DATE: 04-15-2019
DESIGNED BY: SCALE: AS NOTED
CHECKED BY: TFO
FIELD BOOK: 581-840-0825
FAX: 581-840-0825

BID SET

K:\FTL\AVIATION\044693068 - FXE FOXTROT RELOCATION\CADD\PLANSHEETS\12243-MULTI-ELEV.DWG

MATCH LINE SHEET C58

MATCHLINE SHEET C59



LEGEND (WORK)

CONSTRUCT NEW PAVEMENT SECTION TO GRADE

LEGEND (SYMBOL)

- SPOT ELEVATION
- RSA RUNWAY SAFETY AREA
- TSA TAXIWAY SAFETY AREA
- TOFA TAXIWAY OBJECT FREE AREA

NOTES

- REFER TO SHEETS C38 TO C42 FOR PAVING AND GEOMETRY PLANS.
- REFER TO SHEETS C43 TO C47 FOR GRADING PLANS.
- REFER TO SHEET C32 TO C36 FOR DEMOLITION REQUIREMENTS
- SEE "TYPICAL SECTIONS" SHEET NOS. C28 & C29

THE ELEVATIONS SHOWN HEREON ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88). TO CONVERT THE ELEVATIONS HEREON TO NATIONAL GEODETIC VERTICAL DATUM (NGVD29) ADD 1.51 FEET.

CALL 48 HOURS BEFORE YOU DIG
IT'S THE LAW!
DIAL 811
Know what's below.
Call before you dig.
SUNSHINE STATE ONE CALL OF FLORIDA, INC.

Kimley-Horn
Kimley-Horn and Associates, Inc.
1920 WENONA WAY, SUITE 200, WEST PALM BEACH, FL 33411
(561) 451-9165 PHONE
(561) 451-4886 FAX

HILLERS ELECTRICAL ENGINEERING, INC.
23257 STATE ROAD 7, SUITE 100
BOCA RATON, FLORIDA 33428
(561) 451-9165 PHONE
(561) 451-4886 FAX

BID SET

PROJECT # 12243
TAXIWAY FOXTROT
RELOCATION PROJECT
SPOT ELEVATION PLANS

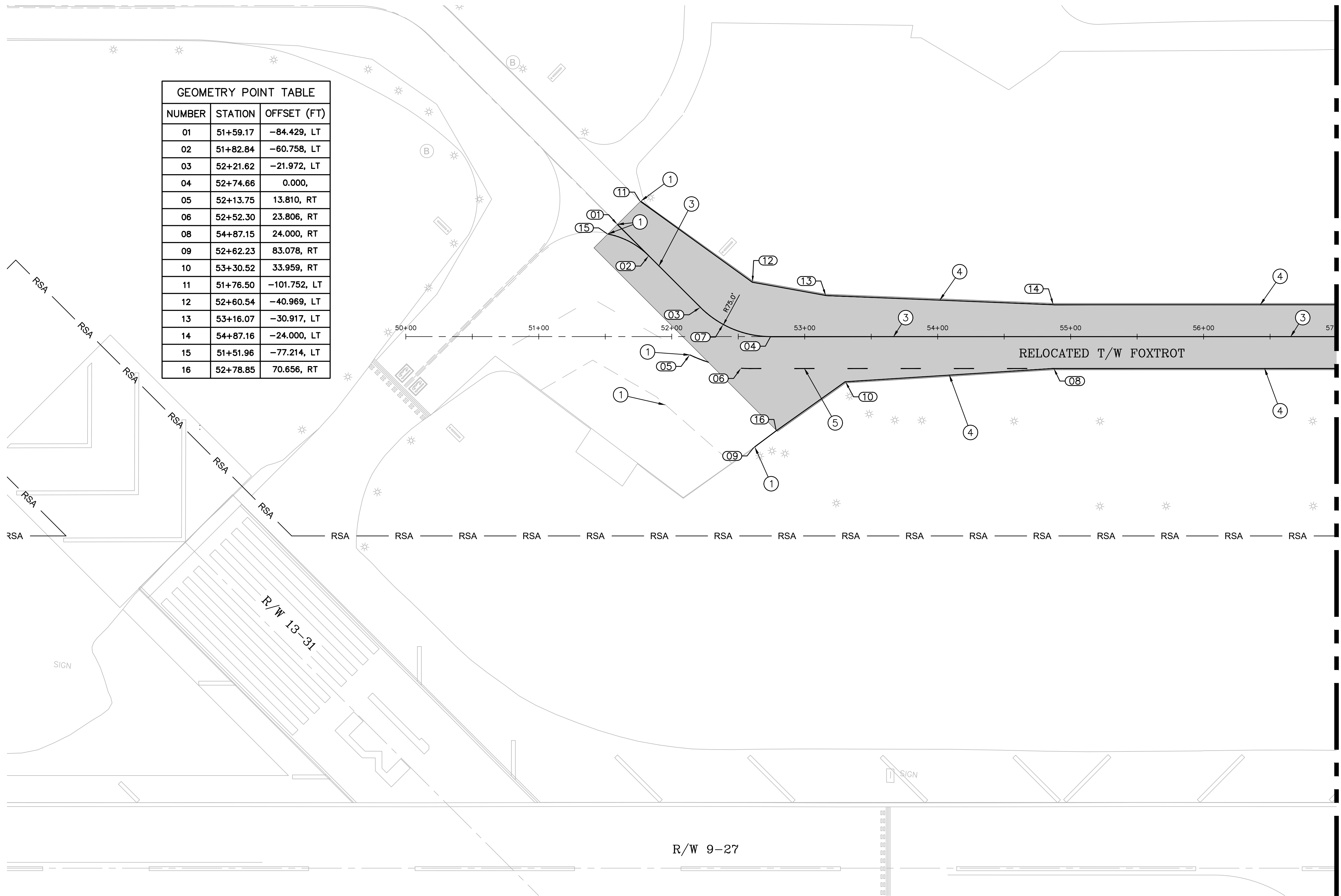
SHEET NO.	OF
C60	70
TOTAL:	103
CAD FILE:	12243-MULTI-ELEV
DRAWING FILE NO.	4-141-45

CITY OF FORT LAUDERDALE
PUBLIC WORKS DEPARTMENT
ENGINEERING & ARCHITECTURE
100 North Andrews Avenue, Fort Lauderdale, Florida 33301

NO.	DATE	BY	CHK'D	DESCRIPTION

DRAWN BY:	DATE:
ALB	04-15-2019
DESIGNED BY:	SCALE:
MM	AS NOTED
CHECKED BY:	TFO
FIELD BOOK:	

ENGINEER:
THOMAS F. O'DONNELL
Lic. No. 62476
DATE:
TEL 561-840-0825
FAX:



GEOMETRY POINT TABLE		
NUMBER	STATION	OFFSET (FT)
01	51+59.17	-84.429, LT
02	51+82.84	-60.758, LT
03	52+21.62	-21.972, LT
04	52+74.66	0.000,
05	52+13.75	13.810, RT
06	52+52.30	23.806, RT
08	54+87.15	24.000, RT
09	52+62.23	83.078, RT
10	53+30.52	33.959, RT
11	51+76.50	-101.752, LT
12	52+60.54	-40.969, LT
13	53+16.07	-30.917, LT
14	54+87.16	-24.000, LT
15	51+51.96	-77.214, LT
16	52+78.85	70.656, RT

LEGEND

- LIMITS OF NEW PAVEMENT
- RSA —

RUNWAY SAFETY AREA
- ①

MATCH EXISTING STRIPING
- ②

ENHANCED TAXIWAY CENTERLINE MARKINGS. SEE DETAIL, SHEET C66
- ③

TAXIWAY CENTERLINE MARKING. SEE DETAIL, SHEET C66
- ④

TAXIWAY EDGE MARKING, CONTINUOUS. SEE DETAIL, SHEET C66
- ⑤

TAXIWAY EDGE MARKING, DASHED. SEE DETAIL, SHEET C66
- ⑥

NON-MOVEMENT AREA BOUNDARY MARKING. SEE DETAIL, SHEET C66
- ⑦

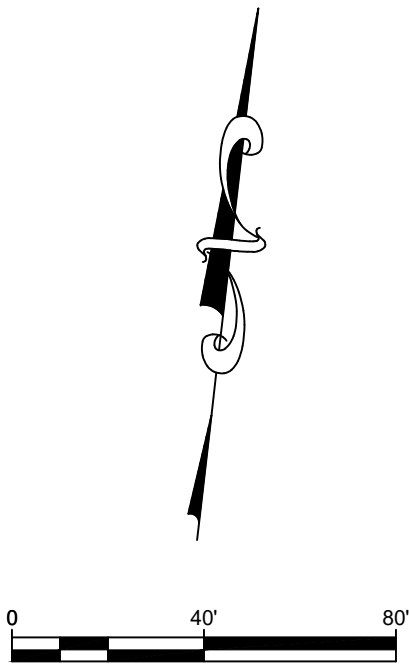
SURFACE PAINTED RUNWAY HOLD POSITION SIGN. SEE DETAIL, SHEET C67
- ⑧

RUNWAY HOLDING POSITION MARKING. SEE DETAIL, SHEET C66
- ⑨

3' WIDE SHOULDER MARKING, SEE DETAIL SHEET C66
- ⑩

ZIPPER STYLE WARNING MARKING, FOR INTERMEDIATE HOLD POSITION MARKING, SEE DETAIL SHEET C66
- ⑪

RUNWAY SHOULDER MARKINGS, SEE DETAIL SHEET C67



CALL 48 HOURS BEFORE YOU DIG

IT'S THE LAW! DIAL 811

SUNSHINE STATE ONE CALL OF FLORIDA, INC.

811

Know what's below. Call before you dig.

Kimley-Horn
Kimley-Horn and Associates, Inc.
©2019 KIMLEY-HORN AND ASSOCIATES, INC.
1920 WENONA WAY, SUITE 200, WEST PALM BEACH, FL 33411
PAPER NO. CA 00000006 044693068

HILLERS ELECTRICAL ENGINEERING, INC.
23297 STATE ROAD 7, SUITE 100
BOCA RATON, FLORIDA 33428
(561) 451-9165 PHONE
(561) 451-4886 FAX

ENGINEER:
THOMAS F. O'DONNELL
Lic. No. 62476
DATE:

DESIGNED BY: SCALE:
ALB
MM
TFO

CHECKED BY:
TFO

FIELD BOOK:

TEL. 561-840-0825
FAX:

DRAWN BY: DATE: 04-15-2019
ALB

DESIGNED BY: SCALE:
ALB
MM
TFO

CHECKED BY:
TFO

FIELD BOOK:

CITY OF FORT LAUDERDALE

PUBLIC WORKS DEPARTMENT

ENGINEERING & ARCHITECTURE

100 North Andrews Avenue, Fort Lauderdale, Florida 33301

REVISIONS		DESCRIPTION	
NO.	DATE	BY	CHK'D

PROJECT # 12243
TAXIWAY FOXROT
RELOCATION PROJECT
PAVEMENT MARKING PLANS

SHEET NO. OF

C61 70

TOTAL: 103

CAD FILE: 12243-MULTI-MARK

DRAWING FILE NO. 4-141-45

BID SET

MATCH LINE SHEET C61

MATCH LINE SHEET C63

GEOMETRY POINT TABLE		
NUMBER	STATION	OFFSET (FT)
17	59+36.06	-96.000, LT
18	59+35.87	-93.000, LT
19	60+27.30	-96.000, LT
20	60+26.73	-93.000, LT
21	62+63.41	-24.000, LT
22	64+38.50	-31.540, LT
23	65+18.68	-53.024, LT
24	64+07.62	-96.000, LT
25	65+20.40	-64.842, LT
26	65+21.12	-62.138, LT
27	65+71.70	-104.750, LT
28	65+71.70	-60.000, LT
29	66+23.02	-64.845, LT
30	66+22.29	-62.140, LT
31	66+24.73	-53.024, LT
32	61+03.21	24.000, RT
33	63+58.48	53.024, RT
34	62+78.29	31.540, RT
35	63+79.96	133.208, RT
36	63+79.96	266.792, RT
37	63+58.48	346.976, RT
38	63+47.19	350.000, RT

GEOMETRY POINT TABLE		
NUMBER	STATION	OFFSET (FT)
39	64+75.81	350.000, RT
40	64+64.52	346.976, RT
41	64+43.04	266.792, RT
42	64+40.16	200.000, RT
43	64+43.04	133.208, RT
44	64+64.52	53.024, RT
45	65+44.71	31.540, RT
46	66+31.70	0.000,
47	65+11.70	0.000,
48	64+71.50	0.000,
49	63+51.50	0.000,
50	64+11.50	60.000, RT
51	64+11.50	159.000, RT
52	64+11.50	335.500, RT
53	61+51.50	395.500, RT
54	63+51.50	395.500, RT
55	64+71.50	395.500, RT
56	66+71.50	395.500, RT
207	64+09.05	-93.000, LT

LEGEND

- LIMITS OF NEW PAVEMENT
- RSA —

RUNWAY SAFETY AREA
- ①

MATCH EXISTING STRIPING
- ②

ENHANCED TAXIWAY CENTERLINE MARKINGS. SEE DETAIL, SHEET C66
- ③

TAXIWAY CENTERLINE MARKING. SEE DETAIL, SHEET C66
- ④

TAXIWAY EDGE MARKING, CONTINUOUS. SEE DETAIL, SHEET C66
- ⑤

TAXIWAY EDGE MARKING, DASHED. SEE DETAIL, SHEET C66
- ⑥

NON-MOVEMENT AREA BOUNDARY MARKING. SEE DETAIL, SHEET C66
- ⑦

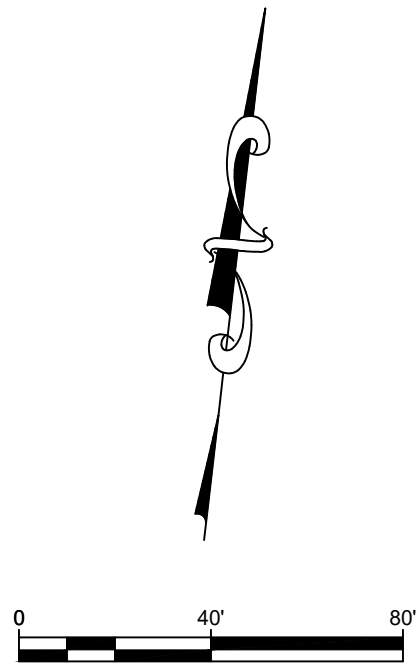
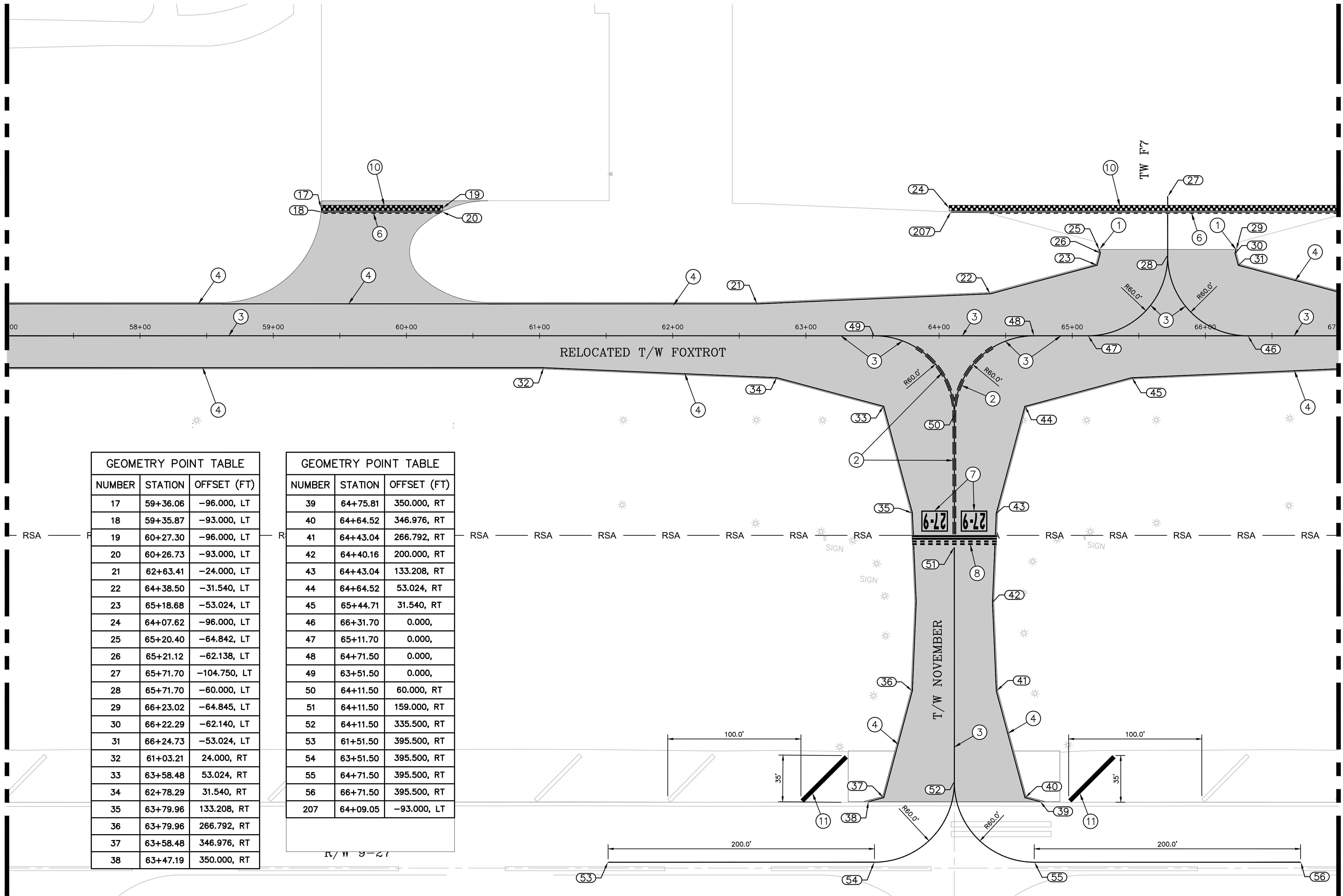
SURFACE PAINTED RUNWAY HOLD POSITION SIGN. SEE DETAIL, SHEET C67
- ⑧

RUNWAY HOLDING POSITION MARKING. SEE DETAIL, SHEET C66
- ⑨

3' WIDE SHOULDER MARKING, SEE DETAIL SHEET C66
- ⑩

ZIPPER STYLE WARNING MARKING, FOR INTERMEDIATE HOLD POSITION MARKING, SEE DETAIL SHEET C66
- ⑪

RUNWAY SHOULDER MARKINGS, SEE DETAIL SHEET C67



CALL 48 HOURS BEFORE YOU DIG

IT'S THE LAW! DIAL 811

Know what's below. Call before you dig.

SUNSHINE STATE ONE CALL OF FLORIDA, INC.

CALL 48 HOURS BEFORE DIGGING
FAA FACILITIES 954-356-7212

Kimley-Horn
Kimley-Horn and Associates, Inc.
©2019 KIMLEY-HORN AND ASSOCIATES, INC.
1920 WENONA WAY, SUITE 200, WEST PALM BEACH, FL 33411
PHONE: 407-855-8800 FAX: 407-855-8806

HILLERS ELECTRICAL ENGINEERING, INC.
23297 STATE ROAD 7, SUITE 100
BOCA RATON, FLORIDA 33428
(561) 451-9165 PHONE
(561) 451-4886 FAX

ENGINEER:
THOMAS F. O'DONNELL
Lic. No. 62476
DATE:

DRAWN BY:
ALB
DESIGNED BY:
MM
CHECKED BY:
TFO
FIELD BOOK:

DATE:
04-15-2019
SCALE:
AS NOTED

TEL: 561-840-0825
FAX:

CITY OF FORT LAUDERDALE
PUBLIC WORKS DEPARTMENT
ENGINEERING & ARCHITECTURE
100 North Andrews Avenue, Fort Lauderdale, Florida 33301

REVISIONS		DESCRIPTION	
NO.	DATE	BY	CHK'D

PROJECT # 12243
TAXIWAY FOXROT
RELOCATION PROJECT
PAVEMENT MARKING PLANS

SHEET NO. OF
C62 70

TOTAL: 103
CAD FILE:
12243-MULTI-MARK
DRAWING FILE NO.
4-141-45

BID SET

K:\FTL\AVIATION\044693068 - FXE FOXTROT RELOCATION\CADD\PLANSHEETS\12243-MULTI-MARK.DWG

MATCH LINE SHEET C62

MATCH LINE SHEET C64

GEOMETRY POINT TABLE		
NUMBER	STATION	OFFSET (FT)
57	67+04.91	-31.540, LT
58	67+35.62	-96.000, LT
59	68+80.00	-24.000, LT
60	69+41.67	-24.000, LT
61	71+01.21	24.000, RT
62	72+76.29	31.540, RT
63	73+56.48	53.024, RT
64	73+77.96	133.208, RT
65	73+80.84	200.000, RT
66	73+77.96	266.792, RT
67	73+56.48	346.976, RT
68	73+45.19	350.000, RT
69	71+49.50	395.500, RT
70	73+49.50	395.500, RT
71	74+09.50	335.500, RT
72	74+09.50	159.000, RT
73	74+09.50	60.000, RT
74	73+49.50	0.000,
75	74+69.50	0.000,
76	73+09.96	0.000,

GEOMETRY POINT TABLE		
NUMBER	STATION	OFFSET (FT)
77	72+49.96	-60.000, LT
80	70+87.65	-93.000, LT
81	74+12.10	-93.000, LT
82	71+98.65	-64.858, LT
83	73+01.27	-64.860, LT
84	71+99.38	-62.146, LT
85	73+00.54	-62.147, LT
86	71+96.93	-53.024, LT
87	73+02.98	-53.024, LT
88	73+83.16	-31.540, LT
89	75+58.27	-25.000, LT
90	75+42.71	31.540, RT
91	74+62.52	53.024, RT
92	74+41.04	133.208, RT
93	74+38.16	200.000, RT
94	74+41.04	266.792, RT
95	74+62.52	346.976, RT
96	74+73.81	350.000, RT
97	74+69.50	395.500, RT
208	67+34.19	-93.000, LT

R/W 9-27

LEGEND

- LIMITS OF NEW PAVEMENT
- RSA —

RUNWAY SAFETY AREA
- ①

MATCH EXISTING STRIPING
- ②

ENHANCED TAXIWAY CENTERLINE MARKINGS. SEE DETAIL, SHEET C66
- ③

TAXIWAY CENTERLINE MARKING. SEE DETAIL, SHEET C66
- ④

TAXIWAY EDGE MARKING, CONTINUOUS. SEE DETAIL, SHEET C66
- ⑤

TAXIWAY EDGE MARKING, DASHED. SEE DETAIL, SHEET C66
- ⑥

NON-MOVEMENT AREA BOUNDARY MARKING. SEE DETAIL, SHEET C66
- ⑦

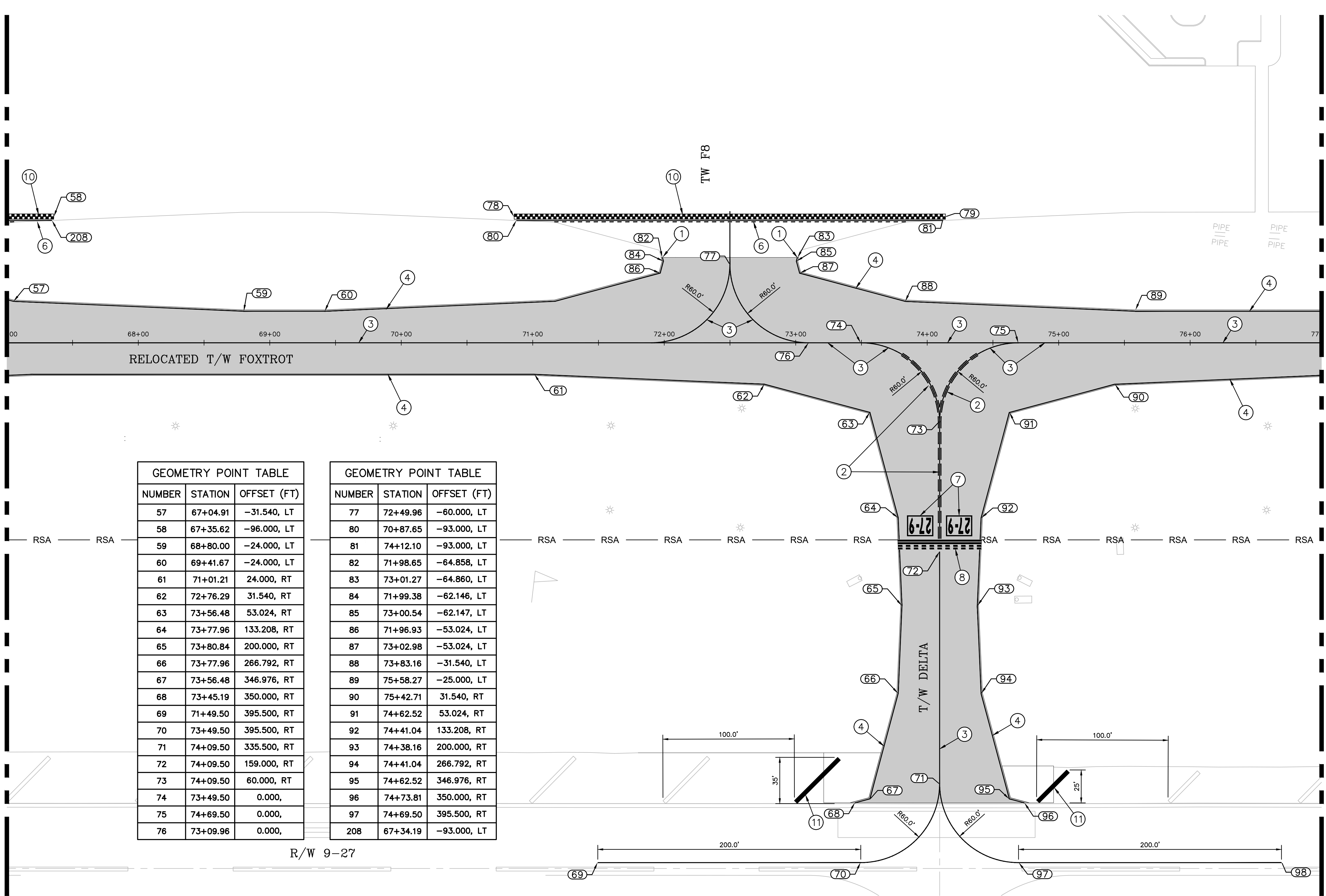
SURFACE PAINTED RUNWAY HOLD POSITION SIGN. SEE DETAIL, SHEET C67
- ⑧

RUNWAY HOLDING POSITION MARKING. SEE DETAIL, SHEET C66
- ⑨

3' WIDE SHOULDER MARKING, SEE DETAIL SHEET C66
- ⑩

ZIPPER STYLE WARNING MARKING, FOR INTERMEDIATE HOLD POSITION MARKING, SEE DETAIL SHEET C66
- ⑪

RUNWAY SHOULDER MARKINGS, SEE DETAIL SHEET C67



CALL 48 HOURS BEFORE YOU DIG

IT'S THE LAW! DIAL 811

Know what's below. Call before you dig.

SUNSHINE STATE ONE CALL OF FLORIDA, INC.

CALL 48 HOURS BEFORE DIGGING

FAA FACILITIES 954-356-7212

Kimley-Horn
Kimley-Horn and Associates, Inc.
©2019 KIMLEY-HORN AND ASSOCIATES, INC.
1920 WENONA WAY, SUITE 200, WEST PALM BEACH, FL 33411
FLORIDA: CA 00000006 044693068

HILLERS ELECTRICAL ENGINEERING, INC.
23297 STATE ROAD 7, SUITE 100
BOCA RATON, FLORIDA 33428
(561) 451-9165 PHONE
(561) 451-4886 FAX

ENGINEER:
THOMAS F. O'DONNELL
Lic. No. 62476
DATE:

TEL: 561-840-0825
FAX:

DRAWN BY:
ALB
DATE:
04-15-2019

DESIGNED BY:
MM
SCALE:
AS NOTED

CHECKED BY:
TFO
FIELD BOOK:

CITY OF FORT LAUDERDALE
PUBLIC WORKS DEPARTMENT
ENGINEERING & ARCHITECTURE
100 North Andrews Avenue, Fort Lauderdale, Florida 33301

REVISIONS		DESCRIPTION	
NO.	DATE	BY	CHK'D

PROJECT # 12243
TAXIWAY FOXOTROT
RELOCATION PROJECT
PAVEMENT MARKING PLANS

SHEET NO. OF

C63 70

TOTAL:

103

CAD FILE:

12243-MULTI-MARK

DRAWING FILE NO.

4-141-45

BID SET

MATCH LINE SHEET C63

GEOMETRY POINT TABLE		
NUMBER	STATION	OFFSET (FT)
99	77+32.08	-24.000, LT
100	78+11.40	-47.005, LT
101	78+23.66	-93.000, LT
102	78+26.73	-100.000, LT
103	78+88.08	-100.000, LT
104	78+91.42	-93.000, LT
105	79+05.43	-46.999, LT
106	79+41.30	-36.594, LT
107	79+77.20	-47.005, LT
108	79+89.92	-91.000, LT
109	79+99.06	-122.587, LT
110	80+04.85	-246.000, LT
111	80+24.20	-183.500, LT

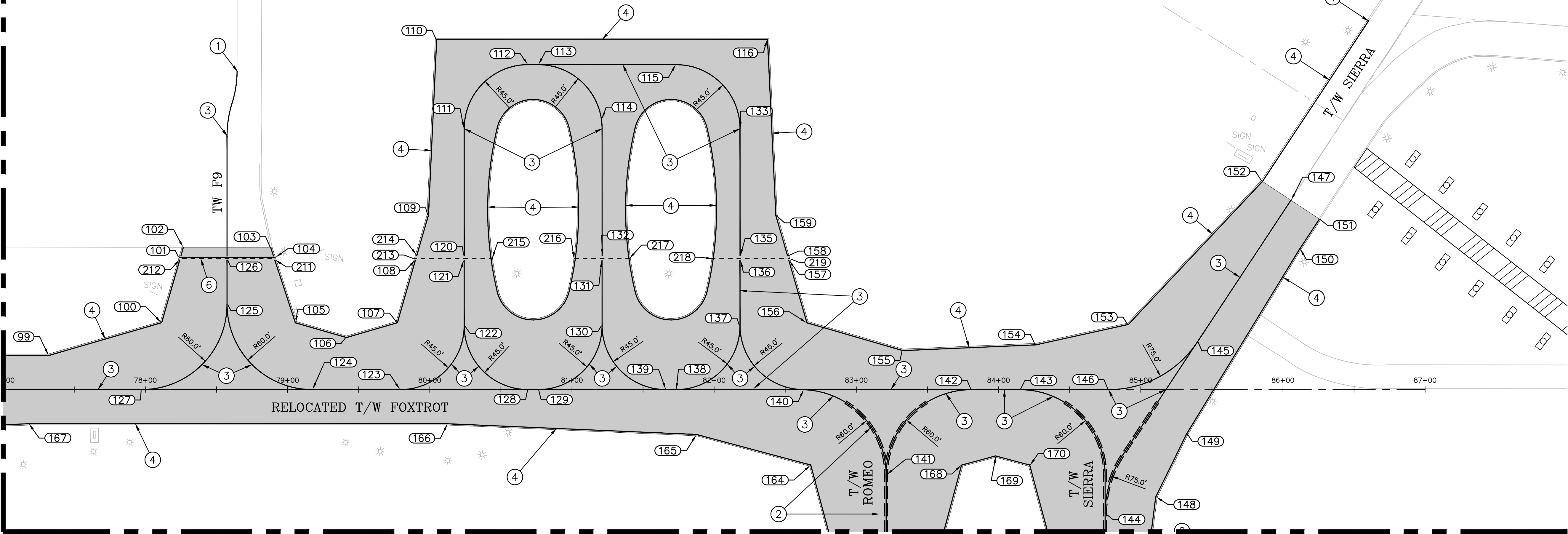
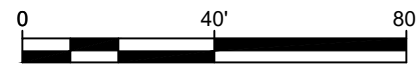
GEOMETRY POINT TABLE		
NUMBER	STATION	OFFSET (FT)
112	80+69.20	-228.500, LT
113	80+76.20	-228.500, LT
114	81+20.71	-190.161, LT
115	81+73.20	-228.500, LT
116	82+37.56	-246.000, LT
120	80+24.20	-94.000, LT
121	80+24.20	-91.000, LT
122	80+24.20	-45.000, LT
123	79+79.20	0.000,
124	79+17.41	0.000,
125	78+57.41	-60.000, LT
126	78+57.41	-91.250, LT
127	77+97.41	0.000,

GEOMETRY POINT TABLE		
NUMBER	STATION	OFFSET (FT)
128	80+69.20	0.000, LT
129	80+76.20	0.000, LT
130	81+21.20	-44.992, LT
131	81+21.20	-91.000, LT
132	81+21.20	-94.000, LT
133	82+18.20	-183.500, LT
135	82+18.20	-94.000, LT
136	82+18.20	-91.000, LT
137	82+18.20	-44.992, LT
138	81+73.20	0.000, LT
139	81+66.20	0.008, RT
140	82+63.20	0.000, LT
141	83+21.00	60.000, RT

GEOMETRY POINT TABLE		
NUMBER	STATION	OFFSET (FT)
142	83+81.00	0.000,
143	84+15.00	0.000,
144	84+75.00	87.238, RT
145	85+39.96	-33.674, LT
146	84+77.38	0.000,
147	86+05.62	-133.109, LT
148	85+10.58	75.398, RT
149	85+32.36	30.985, RT
150	86+11.86	-99.008, LT
151	86+25.65	-119.885, LT
152	85+85.61	-146.325, LT
153	84+91.28	-45.799, LT
154	84+26.10	-31.469, LT

GEOMETRY POINT TABLE		
NUMBER	STATION	OFFSET (FT)
155	83+32.58	-27.464, LT
156	82+65.21	-47.005, LT
157	82+52.48	-91.000, LT
158	82+51.62	-94.000, LT
159	82+43.35	-122.587, LT
164	82+67.98	53.024, RT
165	81+87.79	31.540, RT
166	80+12.71	24.000, RT
167	77+17.79	24.000, RT
168	83+74.02	53.024, RT
169	83+98.00	46.600, RT
170	84+21.98	53.024, RT
211	78+90.94	-91.250, LT

GEOMETRY POINT TABLE		
NUMBER	STATION	OFFSET (FT)
212	78+24.19	-91.250, LT
213	79+89.17	-92.000, LT
214	79+90.93	-94.483, LT
215	80+43.58	-91.975, LT
216	81+01.70	-92.000, LT
217	81+40.09	-92.000, LT
218	81+99.32	-92.000, LT
219	82+53.24	-92.000, LT



MATCHLINE SHEET C65

LEGEND

- LIMITS OF NEW PAVEMENT
- RSA RUNWAY SAFETY AREA
- MATCH EXISTING STRIPING
- ENHANCED TAXIWAY CENTERLINE MARKINGS. SEE DETAIL, SHEET C66
- TAXIWAY CENTERLINE MARKING. SEE DETAIL, SHEET C66
- TAXIWAY EDGE MARKING, CONTINUOUS. SEE DETAIL, SHEET C66
- TAXIWAY EDGE MARKING, DASHED. SEE DETAIL, SHEET C66
- NON-MOVEMENT AREA BOUNDARY MARKING. SEE DETAIL, SHEET C66
- SURFACE PAINTED RUNWAY HOLD POSITION SIGN. SEE DETAIL, SHEET C67
- RUNWAY HOLDING POSITION MARKING. SEE DETAIL, SHEET C66
- 3' WIDE SHOULDER MARKING, SEE DETAIL SHEET C66
- ZIPPER STYLE WARNING MARKING, FOR INTERMEDIATE HOLD POSITION MARKING, SEE DETAIL SHEET C66
- RUNWAY SHOULDER MARKINGS, SEE DETAIL SHEET C67

CALL 48 HOURS BEFORE YOU DIG

IT'S THE LAW! DIAL 811

Know what's below. Call before you dig.

SUNSHINE STATE ONE CALL OF FLORIDA, INC.

CALL 48 HOURS BEFORE DIGGING
FAA FACILITIES 954-356-7212

Kimley-Horn

Kimley-Horn and Associates, Inc.

©2019 KIMLEY-HORN AND ASSOCIATES, INC.

1920 WENONA WAY, SUITE 200, WEST PALM BEACH, FL 33411

PHONE: (561) 451-8888 FAX: (561) 451-8888

HILLERS ELECTRICAL

ENGINEERING, INC.

23297 STATE ROAD 7, SUITE 100

BOCA RATON, FLORIDA 33428

(561) 451-9165 PHONE

(561) 451-4886 FAX

ENGINEER:
THOMAS F. O'DONNELL
DATE: 04-15-2019
DESIGNED BY: SCALE: AS NOTED
CHECKED BY: TFO
FIELD BOOK: 100 North Andrews Avenue, Fort Lauderdale, Florida 33301
TEL: 561-840-0825
FAX:

CITY OF FORT LAUDERDALE
PUBLIC WORKS DEPARTMENT
ENGINEERING & ARCHITECTURE

100 North Andrews Avenue, Fort Lauderdale, Florida 33301

REVISIONS		DESCRIPTION	
NO.	DATE	BY	CHK'D

PROJECT # 12243
TAXIWAY FOXFROT
RELOCATION PROJECT
PAVEMENT MARKING PLANS

SHEET NO. **C64** OF 70

TOTAL: 103

CAD FILE: 12243-MULTI-MARK

DRAWING FILE NO. 4-141-45

BID SET

MATCH LINE SHEET C63

MATCHLINE SHEET C64

GEOMETRY POINT TABLE

NUMBER	STATION	OFFSET (FT)
171	82+89.46	133.208, RT
172	82+92.34	200.000, RT
173	82+89.46	266.792, RT
174	82+67.98	346.976, RT
175	82+56.69	350.000, RT
176	83+19.22	350.000, RT
177	83+21.00	335.500, RT
178	83+21.00	159.000, RT
179	83+52.54	133.208, RT
180	83+49.66	200.000, RT
181	83+52.54	266.792, RT
182	83+74.02	346.976, RT

GEOMETRY POINT TABLE

NUMBER	STATION	OFFSET (FT)
183	83+85.31	350.000, RT
184	84+10.69	350.000, RT
185	84+21.98	346.976, RT
186	84+43.46	266.792, RT
187	84+43.46	133.208, RT
188	85+04.29	124.463, RT
189	84+99.00	276.747, RT
190	84+99.00	350.000, RT
191	84+73.22	350.000, RT
192	84+75.00	335.500, RT
193	84+75.00	160.000, RT

T/W ALPHA














R/W 9-27

T/W CHARLIE

T/W ROMEO

T/W SIERRA

LEGEND

-  LIMITS OF NEW PAVEMENT
-  RUNWAY SAFETY AREA
-  MATCH EXISTING STRIPING
-  ENHANCED TAXIWAY CENTERLINE MARKINGS. SEE DETAIL, SHEET C66
-  TAXIWAY CENTERLINE MARKING. SEE DETAIL, SHEET C66
-  TAXIWAY EDGE MARKING, CONTINUOUS. SEE DETAIL, SHEET C66
-  TAXIWAY EDGE MARKING, DASHED. SEE DETAIL, SHEET C66
-  NON-MOVEMENT AREA BOUNDARY MARKING. SEE DETAIL, SHEET C66
-  SURFACE PAINTED RUNWAY HOLD POSITION SIGN. SEE DETAIL, SHEET C67
-  RUNWAY HOLDING POSITION MARKING. SEE DETAIL, SHEET C66
-  3' WIDE SHOULDER MARKING, SEE DETAIL SHEET C66
-  ZIPPER STYLE WARNING MARKING, FOR INTERMEDIATE HOLD POSITION MARKING, SEE DETAIL SHEET C66
-  RUNWAY SHOULDER MARKINGS, SEE DETAIL SHEET C67

CALL 48 HOURS BEFORE YOU DIG

IT'S THE LAW!
DIAL 811

SUNSHINE STATE ONE CALL OF FLORIDA, INC.

CALL 48 HOURS BEFORE DIGGING
FAA FACILITIES 954-356-7212



Know what's below.
Call before you dig.

Kimley-Horn
Kimley-Horn and Associates, Inc.
30319 KIMLEY-HORN AND ASSOCIATES, INC.
1920 WENONA WAY, SUITE 200, WEST PALM BEACH, FL 33411
PHONE: (561) 861-5500 FAX: (561) 861-5501

HILLERS ELECTRICAL ENGINEERING, INC.
23297 STATE ROAD 7, SUITE 100
BOCA RATON, FLORIDA 33428
(561) 451-9165 PHONE
(561) 451-4886 FAX

BID SET

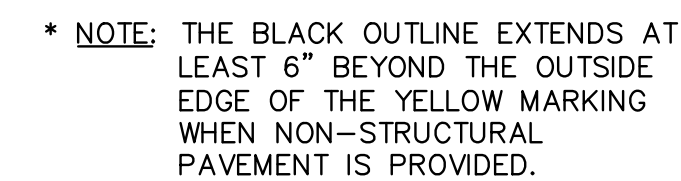
PROJECT # 12243
TAXIWAY FOXTROT
RELOCATION PROJECT
PAVEMENT MARKING PLANS

SHEET NO.	OF
C65	70
TOTAL:	103
CAD FILE:	12243-MULTI-MARK
DRAWING FILE NO.	4-141-45

CITY OF FORT LAUDERDALE
PUBLIC WORKS DEPARTMENT
ENGINEERING & ARCHITECTURE
100 North Andrews Avenue, Fort Lauderdale, Florida 33301

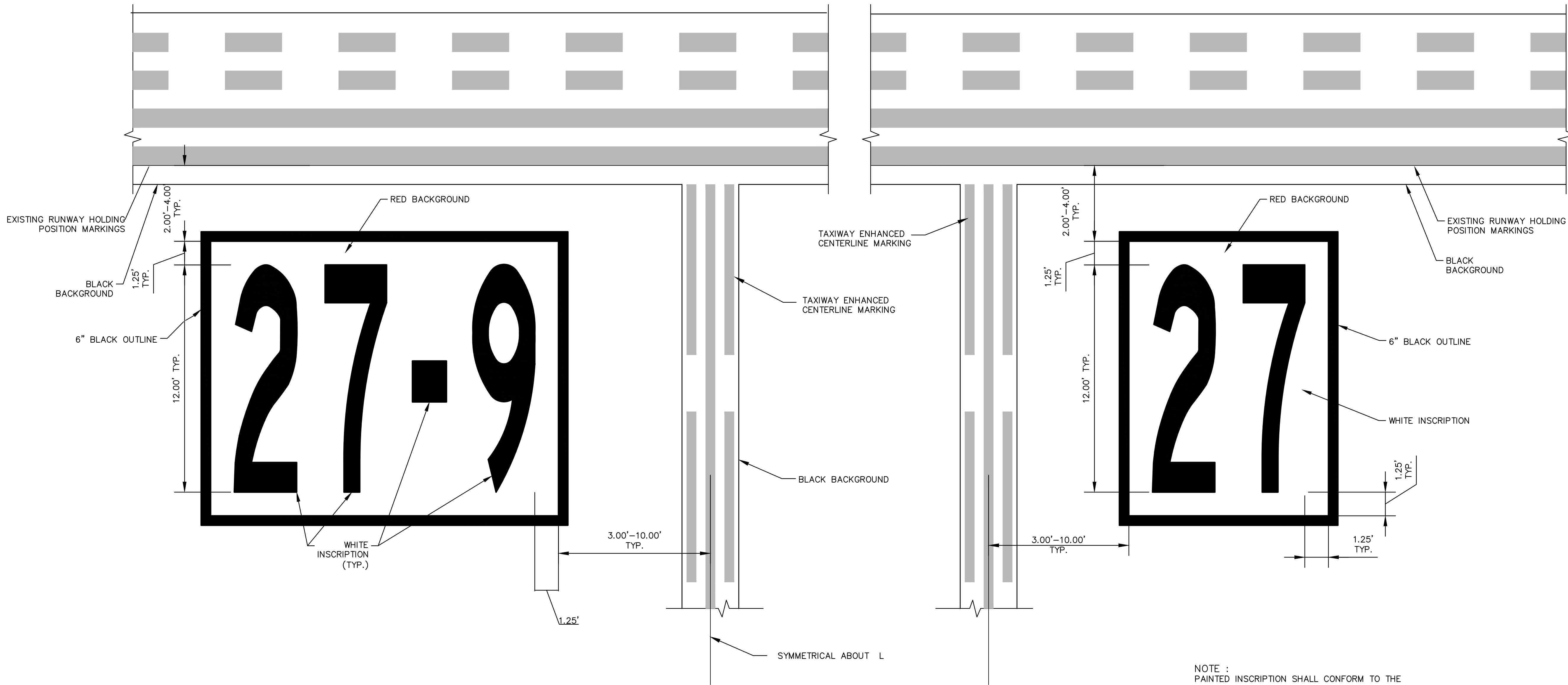
NO.	DATE	BY	CHK'D	DESCRIPTION

ENGINEER: THOMAS F. O'DONNELL
PROJ. NO: 62476
DATE: 04-15-2019
DRAWN BY: ALB
DESIGNED BY: SCALE: AS NOTED
CHECKED BY: MM
TFO
FIELD BOOK: 581-840-0825
FAX: 581-840-0825



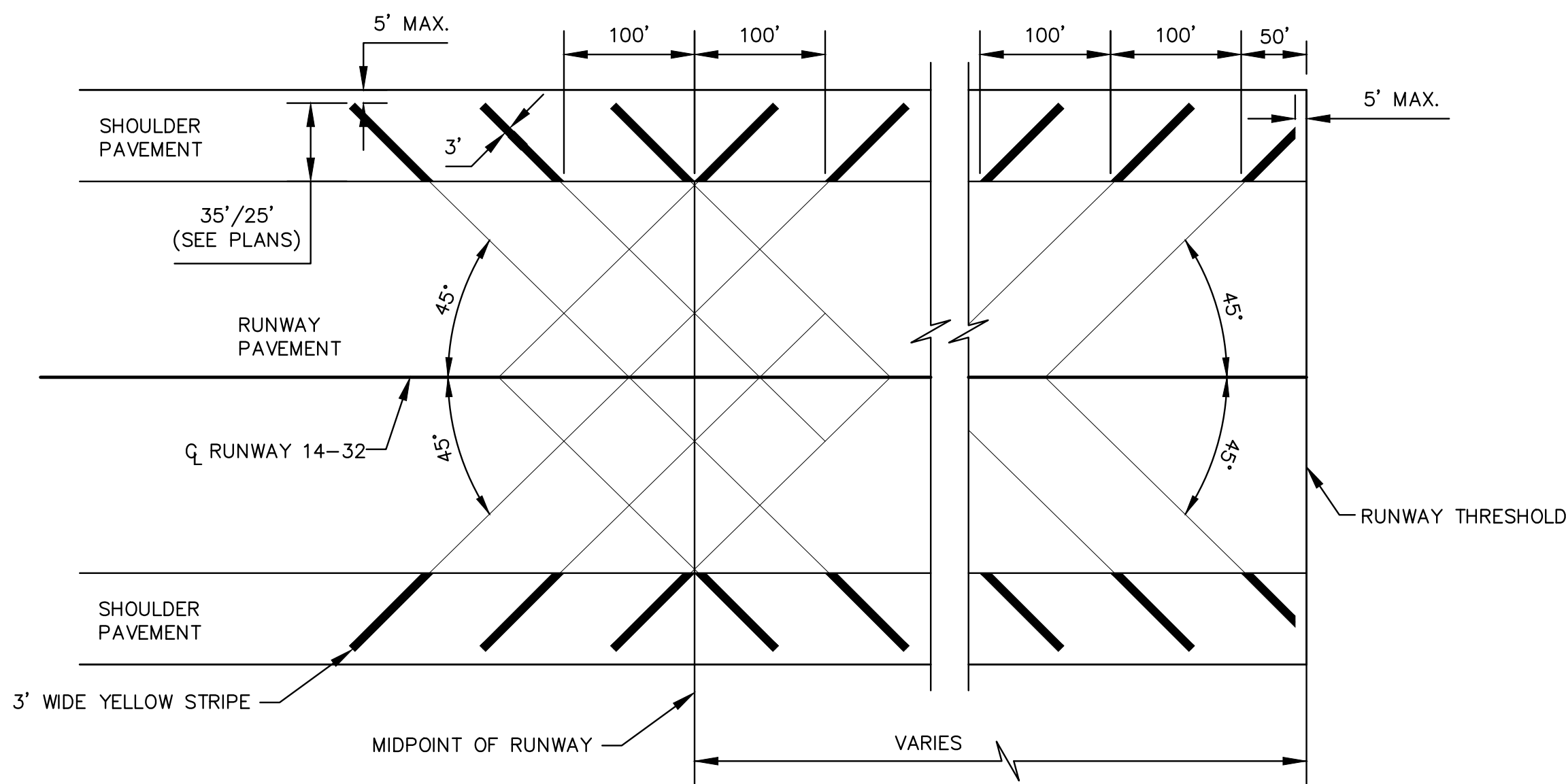
069-11771 018

K:\FLT_AVIATION\044693068 - FXE FOX TROT RELOCATION\CADD\PLANSHEETS\12243-MULTI-DETL.DWG



SURFACE PAINTED HOLDING POSITION SIGN LOCATION DETAIL

N.T.S.



RUNWAY SHOULDER MARKINGS

N.T.S.

NOTES:

1. REFLECTORIZED (GLASS BEADS) PAINT SHALL BE USED FOR ALL PERMANENT PAVEMENT MARKINGS EXCEPT BLACK OUTLINE. SEE SPECIFICATION P-620 FOR GLASS BEAD TYPE AND APPLICATION RATE FOR EACH PAINT COLOR.
2. SEE PAVEMENT MARKING PLANS, SHEETS C61 THROUGH C65 FOR HORIZONTAL LAYOUT.
3. PAVEMENT MARKING DETAILS SHALL CONFORM TO THE LATEST EDITION OF THE FEDERAL AVIATION ADMINISTRATION ADVISORY CIRCULAR 150/5340-1L; IF A CONFLICT OCCURS BETWEEN THESE PLANS AND THE CIRCULAR THE ADVISORY CIRCULAR WILL TAKE PRECEDENCE.
4. ALL TAXIWAY MARKINGS ARE YELLOW.
5. MEASURED QUANTITY PAID TO THE CONTRACTOR SHALL BE MEASUREMENT OF FINAL VISIBLE PAINT MARKINGS ACCORDING TO SPECIFICATION P-620.

CALL 48 HOURS BEFORE YOU DIG

IT'S THE LAW! DIAL 811

SUNSHINE STATE ONE CALL OF FLORIDA, INC.

CALL 48 HOURS BEFORE DIGGING
FAA FACILITIES 954-356-7212

Know what's below.
Call before you dig.

Kimley-Horn
Kimley-Horn and Associates, Inc.
32327 STATE ROAD 7, SUITE 100
BOCA RATON, FLORIDA 33428
(561) 451-9165 PHONE
(561) 451-4886 FAX

HILLERS ELECTRICAL
ENGINEERING, INC.
23257 STATE ROAD 7, SUITE 100
BOCA RATON, FLORIDA 33428
(561) 451-9165 PHONE
(561) 451-4886 FAX

ENGINEER:
THOMAS F. O'DONNELL
PROJ. NO.: 02476
DATE:

DATE: 04-15-2019
ALB
DESIGNED BY: SCALE:
MM
CHECKED BY: TFO
FIELD BOOK:

TEL: 561-840-0825
FAX:

CITY OF FORT LAUDERDALE
PUBLIC WORKS DEPARTMENT
ENGINEERING & ARCHITECTURE
100 North Andrews Avenue, Fort Lauderdale, Florida 33301

REVISIONS
NO. BY CHK'D DESCRIPTION

PROJECT # 12243
TAXIWAY FOX TROT
RELOCATION PROJECT
PAVEMENT MARKING DETAILS

SHEET NO. OF
C67 70

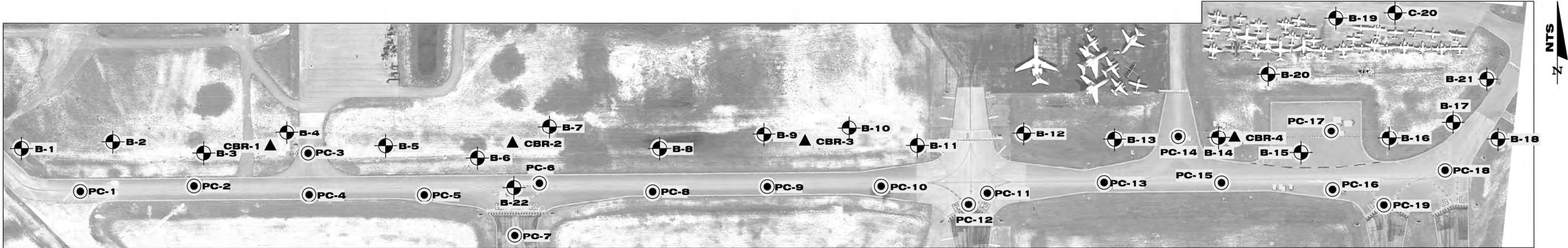
TOTAL: 103

CAD FILE: 12243-MULTI-DETL

DRAWING FILE NO. 4-141-45

BID SET

K:\FTL\AVIATION\044693068 - FXE\FOXTROT relocation\CADD\PLANSHEETS\12243-MULTI-BORE.DWG



BORING LOCATION PLAN

- Approximate Location of SPT Boring
- Approximate Location of Pavement Core Test
- Approximate Location of CBR Test

ASPHALTIC CONCRETE CORE AND BASE THICKNESS			
CORE ID	TOTAL CORE LENGTH (in.)	THICKNESS (in.)	BASE MATERIAL
PC-1	2.2	7.0	LIMEROCK
PC-2	2.2	9.0	LIMEROCK
PC-3	3.5	4.5	LIMEROCK
PC-4	2.0	12.0	LIMEROCK
PC-5	2.3	11.0	LIMEROCK
PC-6	2.2	10.0	LIMEROCK
PC-7	4.2	14.0	LIMEROCK
PC-8	2.0	11.0	LIMEROCK
PC-9	2.0	11.0	LIMEROCK
PC-10	2.2	12.0	LIMEROCK
PC-11	3.0	10.0	LIMEROCK
PC-12	4.5	5.0	LIMEROCK
PC-13	3.2	11.0	LIMEROCK
PC-14	2.8	9.0	LIMEROCK
PC-15	3.4	9.0	LIMEROCK
PC-16	3.0	9.0	LIMEROCK
PC-17	3.5	11.0	LIMEROCK
PC-18	5.5	7.5	LIMEROCK
PC-19	3.0	9.0	LIMEROCK
PC-20	1.0	6.5	LIMEROCK

NOTE:
SUMMARY OF ASPHALTIC
CONCRETE CORE AND BASE
THICKNESS PREPARED BY TSF,
SEE PAGE 11 OF GEOTECHNICAL
SERVICES REPORT.

CALL 48 HOURS BEFORE YOU DIG

IT'S THE LAW! DIAL 811

SUNSHINE STATE ONE CALL OF FLORIDA, INC.

CALL 48 HOURS BEFORE DIGGING
FAA FACILITIES 954-356-7212

Know what's below.
Call before you dig.

CORING/BORING PROFILES PROVIDED BY:

Tierra South Florida 2765
Vista Parkway Suite 10
West Palm Beach, Florida 33411
Phone: 561-687-8536
Fax: 561-687-8570
FL Cert. No.: 28073

Kimley-Horn
Kimley-Horn and Associates, Inc.
©2019 KIMLEY-HORN AND ASSOCIATES, INC.
1920 WENONA WAY, SUITE 200, WEST PALM BEACH, FL 33411
FPOE HQ, CA 00000000
044693068

HILLERS ELECTRICAL ENGINEERING, INC.
23297 STATE ROAD 7, SUITE 100
BOCA RATON, FLORIDA 33428
(561) 451-9165 PHONE
(561) 451-4886 FAX

BID SET

PROJECT # 12243
TAXIWAY FOXTROT
RELOCATION PROJECT
BORING LOCATION PLAN

SHEET NO. **C68** OF 70

TOTAL: 103

CAD FILE: 12243-MULTI-BORE

DRAWING FILE NO. 4-141-45

REVISIONS

NO.	DATE	BY	CHK'D	DESCRIPTION

CITY OF FORT LAUDERDALE
PUBLIC WORKS DEPARTMENT
ENGINEERING & ARCHITECTURE
100 North Andrews Avenue, Fort Lauderdale, Florida 33301

ENGINEER:
THOMAS F. O'DONNELL
Lic. No. 62476
DATE:

DESIGNED BY: SCALE: AS NOTED

CHECKED BY: TFO

FIELD BOOK:

TEL: 561-840-0825
FAX: