CONTRACT PLANS COMPONENTS

ROADWAY PLANS
UTILTIY RELOCATION PLANS
LANDSCAPE PLANS
ARCHITECTURAL PLANS

DRAWING INDEX

ROADWAY PLANS

SHEET NUMBER	SHEET TITLE
1	KEY SHEET
2	SIGNATURE SHEET
3	GENERAL NOTES
4-5	TYPICAL SECTIONS
6	ROADWAY PLAN
7	INTERSECTION DETAILS
8-9	ROADWAY PROFILE
10	DRAINAGE PLAN
11-12	DRAINAGE DETAILS
13-14	CROSS SECTIONS
15	SIGNING & PAVEMENT MARKING PLAN
16	TRAFFIC CONTROL PLAN GENERAL NOTES
17	TRAFFIC CONTROL PLAN DETOUR
18	EROSION AND SEDIMENT CONTROL PLAN
~~19~~	~~BRIDGE HYDRAULIC RECOMMENDATIONS~~
19	LIGHTING PLAN
20	DREDGING PLAN

UTILITY RELOCATION PLANS

SHEET NUMBER	SHEET TITLE
C-1	UTILITY GENERAL NOTES
C-2	OVERALL AERIAL SITE PLAN AND KEY SHEET
C-3	WATER AND FORCE MAIN PLAN AND PROFILE
C-4	OVERALL WATER AND FORCE MAIN PLAN AND PROFILE
C-5	WATER AND FORCE MAIN PLAN AND PROFILE
C-6	WATERMAIN CONNECTION PLAN
C-7	SOUTH WATERMAIN CONNECTION PLAN
C-8 - C-13	POMPANO STANDARD UTILITY DETAILS
C-14	POMPANO STANDARD UTILITY DETAILS AND CONSTRUCTION DETAILS

LANDSCAPE PLANS

SHEET NUMBER	SHEET TITLE
L0.00 - L0.01	TREE DISPOSITION PLAN
L1.00	LANDSCAPE PLAN
L1.50 - L1.51	LANDSCAPE DETAILS
L1.52 - L1.55	LANDSCAPE NOTES
L2.00 - L2.01	IRRIGATION PLAN
L2.50 - L2.51	IRRIGATION DETAILS

ARCHITECTURAL PLANS

SHEET NUMBER	SHEET TITLE
A1	BRIDGE WALL SECTIONS AND NORTH ELEVATION
A2	WING WALL DETAILS
A3	WING WALL ANNOTATION ELEVATION

Plotted By: cc Layout: K:\web_design\040985062_pompano - se 6th ter\040985062\roadway\keysr01.dgn

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SE 6TH TERRACE
BRIDGE REPLACEMENT
PROJECT #: 19-383

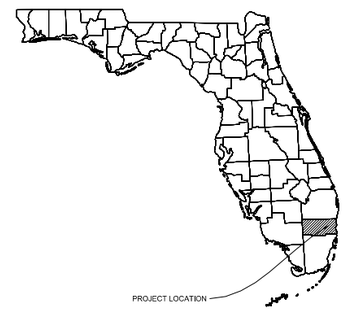
PREPARED FOR:

THE CITY OF POMPANO BEACH

LOCATION:

POMPANO BEACH, FLORIDA

SECTION 1, TOWNSHIP 49S, RANGE 42E



SPECIFICATION STANDARDS:
FLORIDA DEPARTMENT OF TRANSPORTATION, FY 2025-26 STANDARD SPECIFICATIONS FOR ROADWAY AND BRIDGE CONSTRUCTION
AT THE FOLLOWING WEBSITE:
https://www.fdot.gov/programmanagement/implemented/specbooks/default.shtm

CALL 2 WORKING DAYS BEFORE YOU DIG
IT'S THE LAW! DIAL 811
811 Know what's below. Call before you dig.
SUNSHINE STATE ONE CALL OF FLORIDA, INC.

CITY OF POMPANO BEACH CITY OFFICALS

REX HARDIN	MAYOR
AUDREY FESIK	COMMISSIONER DISTRICT 1
RHONDA SIGERSON-EATON	COMMISSIONER, DISTRICT 2
ALISON FOURNIER	VICE MAYOR, COMMISSIONER, DISTRICT 3
BEVERLY PERKINS	COMMISSIONER, DISTRICT 4
DARLENE SMITH	COMMISSIONER, DISTRICT 5

PROJECT TEAM

OWNER:
CITY OF POMPANO BEACH
HECTOR R. GANDIA
ENGINEERING PROJECT MANAGER
100 WEST ATLANTIC BLVD.
POMPANO BEACH, FL 33060
(954) 786-5520
HECTOR.GANDIA@COPBFL.COM

CIVIL ENGINEER:
KIMLEY-HORN & ASSOCIATES
MATTHEW FURSETZER, P.E.
1920 WEKIVA WAY, SUITE 200
WEST PALM BEACH, FL 33411
(561) 840-0814
MATTHEW.FURSETZER@KIMLEY-HORN.COM

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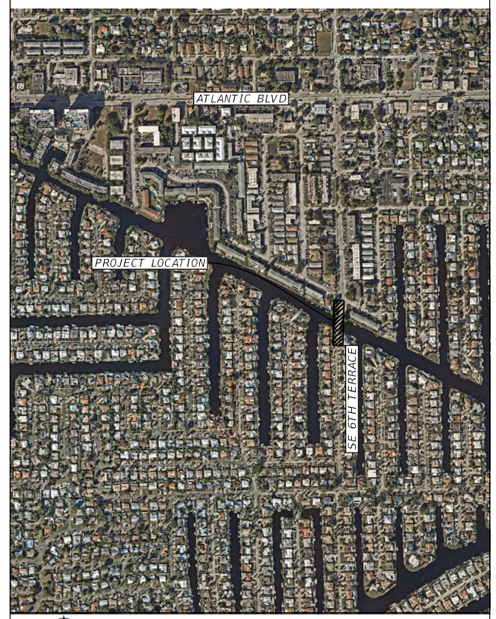

PROJECT LOCATION

PROJECT
SE 6TH TERRACE BRIDGE REPLACEMENT

PROJECT NUMBER
19-383 (CITY OF POMPANO BEACH)
PROJECT LOCATION
SE 6TH TERRACE AND SE 11TH AVE BRIDGE

CITY OF POMPANO BEACH

PREPARED BY:

Kimley»Horn

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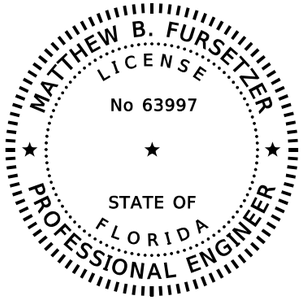
No.	REVISIONS	DATE	BY
1	ADDED AND REMOVED SHEETS, UPDATED DATE	7/24/25	MT

DATE: JULY 2025

BID PLANS



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WEST PALM BEACH, FL 33411
REGISTRY NO. 35106
MATTHEW B. FURSETZER, P.E. NO. 63997

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

SHEET NO.	SHEET DESCRIPTION
1	KEY SHEET
2	SIGNATURE SHEET
3	GENERAL NOTES
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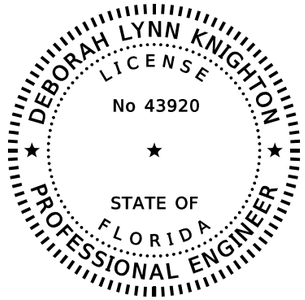
20	DREDGING PLAN

1



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TAMPA, FL 33602
REGISTRY NO. 35106
DEBORAH LYNN KNIGHTON P.E. NO. 43920

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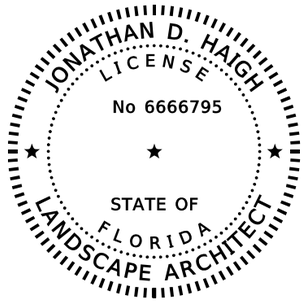
10	DRAINAGE PLAN
11-12	DRAINAGE DETAIL
18	EROSION AND SEDIMENT CONTROL PLAN
~~19~~	~~BRIDGE HYDRAULIC RECOMMENDATIONS~~

1



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477 SOUTH ROSEMARY AVE, SUITE 215
WEST PALM BEACH, FL 33401
REGISTRY NO. 35106
JONATHAN D. HAIGH, PLA NO. 6666795

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

SHEET NO.	SHEET DESCRIPTION
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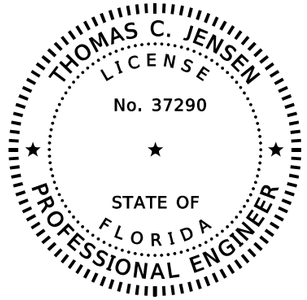

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1920 WEKIVA WAY, SUITE 200
WEST PALM BEACH, FL 33411
REGISTRY NO. 35106
THOMAS C. JENSEN, P.E. NO. 37290

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

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C-7	SOUTH WATERMAIN CONNECTION PLAN
C-8 - C-13	POMPANO STANDARD UTILITY DETAILS
C-14	POMPANO STANDARD UTILITY DETAILS AND CONSTRUCTION DETAILS

No.	REVISIONS	DATE	BY
1	UPDATED SHEETS	7/24/25	MT

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1920 WEKIVA WAY SUITE 200, WEST PALM BEACH, FL 33411
PHONE: 561-845-0665 FAX: 561-863-8175
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

KHA PROJECT 040985062
DATE JULY 2025
SCALE AS SHOWN
DESIGNED BY
DRAWN BY
CHECKED BY

S.E. 6TH TERRACE BRIDGE REPLACEMENT

PREPARED FOR
CITY OF POMPANO BEACH
CITY OF POMPANO FLORIDA

DATE:

SIGNATURE SHEET

SHEET NUMBER 2

PLOTTED BY: Max.Teddy 7/25/2025 12:38:02 PM K:\WPB_Design\040985062_Pompano - SE 6th Terr\040985062\roadway\SIGNRD01.dgn

GENERAL NOTES:

1. ALL WORK FOR THIS PROJECT SHALL BE COMPLETED WITHIN AND FROM THE EXISTING RIGHT-OF-WAY AND ANY TEMPORARY CONSTRUCTION EASEMENTS.
2. COUNTY IN THESE NOTES REFERS TO BROWARD COUNTY, CITY IN THESE NOTES REFERS TO THE CITY OF POMPANO BEACH, STATE IN THESE NOTES REFERS TO THE STATE OF FLORIDA.
3. THE FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) INDICES REFENCED IN THE DRAWINGS AND NOTES REFER TO FDOT STANDARD PLANS FOR ROAD AND BRIDGE CONSTRUCTION, LATEST EDITION.
4. ALL WORK AND MATERIALS CONFORM TO THE THE LATEST STANDARDS, CODES, REGULATIONS AND SPECIFICATIONS OF THE CITY, COUNTY, STATE AND FEDERAL CODES, WHERE APPLICABLE.
5. THE CONTRACTOR SHALL BE REQUIRED TO COMPLY WITH FEDERAL, STATE, COUNTY, AND CITY LAWS, CODES, ORDINANCES AND REGULATIONS.
6. IN THE EVENT OF A CONFLICT BETWEEN THE GENERAL NOTES AND CONSTRUCTION SPECIFICATIONS IN THE PLANS AND CONTRACT DOCUMENTS, AND SPECIFICATIONS IN THE SPECIFICATIONS BOOKLET, THE CONTRACTOR SHALL SUBMIT WRITTEN REQUEST FOR CLARIFICATION TO THE ENGINEER.
7. RADII DIMENSIONS AND ELEVATIONS ARE TO THE EDGE OF PAVEMENT AND FINISHED GRADE UNLESS OTHERWISE NOTED.
8. THE CONTRACTOR SHALL TAKE SPECIAL NOTE OF ANY SPECIAL EQUIPMENT, SHORING, SHEETING, OR OTHER PROCEDURES NECESSARY TO PROTECT ADJACENT PROPERTY, EITHER PUBLIC OR PRIVATE, DURING EXCAVATION OF SUBSOIL MATERIAL OR FILLING OF ANY AREA. ANY OPERATION DURING CONSTRUCTION SHALL BE THE SOLE RESPONSIBILTY OF THE CONTRACTOR AND PROVIDED AT NO ADDITIONAL COST TO THE OWNER.
9. EXISTING DRAINAGE STRUCTURES AND PIPES WITHIN THE CONSTRUCTION LIMITS SHALL REMAIN, UNLESS OTHERWISE NOTED IN THE PLANS.
10. THE LOCATION OF EXISTING RIGHT-OF-WAY LINES, ROADWAY PAVEMENT, UTILITIES, TREES, AND OTHER PHYSICAL ABOVE-GROUND FEATURES SHOWN ON THE PLANS WERE TAKEN FROM THE SPECIFIC PURPOSE SURVEYS PROVIDED BY:

    KEITH & ASSOCIATES, INC
    301 E. ATLANTIC BLVD
    POMPANO BEACH, FLORIDA 33060
    PHONE: 954-788-3400
    CONTACT: DONALD A. SPICER, PSM

11. ANY SURVEY MARKER WITHIN THE LIMITS OF CONSTRUCTION IS TO BE PROTECTED. IF A CORNER MONUMENT IS IN DANGER OF BEING DESTROYED. THE ENGINEER SHALL BE NOTIFIED.
12. ELEVATIONS SHOWN HEREON ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 1988).
13. THE STATION AND OFFSETS ARE FROM THE CENTERLINE OF CONSTRUCTION, UNLESS OTHERWISE NOTED ON PLANS.
14. DISPOSAL OF MILLED MATERIAL, EXCAVATED MATERIAL, DEBRIS AND CONCRETE REMOVABLE ITEMS SHALL BE MADE AT A LEGAL DISPOSAL SITE OR BY APPROVED OTHER MANNER AT THE CONTRACTOR'S DISCRETION. CONTRACTOR IS RESPONSIBLE FOR ALL MATERIALS REMOVED FROM SITE.
15. REMOVE ALL LOOSE MATERIAL FROM THE ROADWAY WITHIN 24 HOURS OF DEMOLITION AND TO THE SATISFACTION OF THE ENGINEER. KEEP THE DRAINAGE SYSTEM FREE OF CONSTRUCTION DEBRIS.
16. THE CONTRACTOR IS REQUIRED TO OBTAIN ALL APPLICABLE CONSTRUCTION PERMITS PRIOR TO THE START OF CONSTRUCTION. THE CONTRACTOR SHALL APPLY FOR AND PROCURE ALL PERMITS AND LICENSES, PAY ALL APPLICABLE CHARGES, TAXES, ROYALTIES, AND FEES, AND GIVE ALL NOTICES NECESSARY TO COMPLETE THIS PROJECT.
17. CONTRACTOR SHALL REMOVE AND RE-INSTALL ALL BRICK OR PAVER DRIVEWAYS IMPACTED BY CONSTRUCTION, REPAIR OR REPLACE ALL ASPHALT, CONCRETE, OR STAMPED CONCRETE DRIVEWAYS IMPACTED BY CONSTRUCTION. ALL COSTS ASSOCIATED WITH THIS WORK ARE TO BE INCLUDED AS PART OF THE OVERALL BID.
18. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DAMAGE, REMOVAL, OR MODIFICATION ACCIDENTALLY OR PURPOSELY, CAUSED TO ANY IRRIGATION SYSTEMS, PRIVATE OR PUBLIC, WITHIN THE PROJECT LIMITS. THE COSTS TO REPLACE, REMOVE, OR MODIFY IRRIGATION PIPES, SPRINKLER HEADS, OR OTHER PERTINENT APPURTENANCES SHALL BE CONSIDERED INCIDENTAL TO AND SHALL BE INCLUDED IN THE OTHER ITEMS OF RELATED WORK. ALL COSTS DUE TO DAMAGE SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
19. USE CAUTION WHEN WORKING IN OR AROUND AREAS OF OVERHEAD TRANSMISSION LINES OR UNDERGROUND UTILITIES. NOTIFY THE APPROPRIATE UTILITY COMPANY 48 HOURS IN ADVANCE OF ANY EXCAVATION INVOLVING THEIR UTILITIES SO THAT A COMPANY REPRESENTATIVE CAN BE PRESENT.
20. THE LOCATION OF THE UTILITIES SHOWN IN THE PLANS ARE BASED ON LIMITED INVESTIGATION TECHNIQUES AND SHOULD BE CONSIDERED APPROXIMATE ONLY. THE VERIFIED LOCATIONS/ELEVATIONS APPLY ONLY AT THE POINTS SHOWN. INTERPOLATIONS BETWEEN THESE POINTS HAVE NOT BEEN VERIFIED. THE EXACT LOCATION SHALL BE DETERMINED BY THE CONTRACTOR DURING CONSTRUCTION BEFORE EXCAVATION BEGINS.
21. FOR ANY EXCAVATION WORK, NOTE THAT THE WATER TABLE IS HIGH IN THIS AREA. CONTRACTOR SHALL BE AWARE OF WET CONDITIONS ALONG THE TOE OF THE ROADWAY EMBANKMENT.
22. THE CONTRACTOR SHALL ADJUST ALL EXISTING SURFACE FEATURES SUCH AS EXISTING FRAMES, GRATES, MANHOLE COVERS, UTILITY VALVE BOXES, MONITORING WELLS, ETC. TO MATCH PROPOSED GRADES.
23. ALL INSTALLATIONS WITHIN BROWARD COUNTY JURISDICTION RIGHTS OF WAY SHALL BE IN CONFORMITY WITH THE BROWARD COUNTY HIGHWAY CONSTRUCTION AND ENGINEERING DIVISION "MINIMUM STANDARDS."
24. ALL INSTALLATIONS WITHIN THE CITY OF POMPANO BEACH JURISDICTION RIGHTS OF WAY SHALL BE IN CONFORMITY WITH THE CITY OF POMPANO BEACH HIGHWAY CONSTRUCTION AND ENGINEERING DIVISION "MINIMUM STANDARDS."
25. THE CITY OF POMPANO BEACH SHALL RECEIVE A COPY OF ALL REQUIRED DENSITY REPORTS, AS-BUILTS AND SHOP DRAWINGS OF THE PROJECT.
26. ALL TURBIDITY BARRIER AND SILT FENCE SHALL BE REMOVED AND ALL DISTURBED AREAS STABILIZED AT THE COMPLETION OF THE PROJECT.
27. UTILITIES TO REMAIN UNLESS OTHERWISE NOTED IN THE PLANS.
28. COST OF LONGITUDINAL AND PERPENDICULAR SAW CUTS ARE INCIDENTAL TO THE COST OF CONSTRUCTION.
29. A STORMWATER POLLUTION PREVENTION PLAN SHALL BE PREPARED IN ACCORDANCE WITH THE FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION SECTION 104. CONTRACTOR TO PREPARE THE NOTICE OF INTENT FOR THE NPDES STORMWATER PERMIT AND SUBMITTED TO OBTAIN PERMIT COVERAGE. FULL COMPENSATION FOR ALL ITEMS AND WORK SHALL BE INCLUDED IN THE COST OF MAINTENANCE OF TRAFFIC. STORMWATER POLLUTION PREVENTION PLAN IS INCLUDED IN PLAN SET FOR REFERENCE ONLY.
30. THE TRAFFIC CONTROL PLANS (TCP) ARE CONCEPTUAL ONLY. THE CONTRACTOR MAY PROVIDE AN ALTERNATIVE CONCEPT IN A SET OF TCP PHASED PLANS SIGNED AND SEALED BY AN ENGINEER LICENSED TO PRACTICE IN THE STATE OF FLORIDA. PLANS SHALL BE CONSISTENT WITH THE FDOT DESIGN STANDARDS.
31. ALL SIGNING AND PAVEMENT MARKING SHALL CONFORM TO THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) 11TH EDITION, BROWARD COUNTY TRAFFIC ENGINEERING DIVISION, FDOT, AND CITY OF POMPANO BEACH STANDARDS.

ABBREVIATIONS

EL	ELEVATION
FL	FLOW LINE
ME	MATCH EXISTING
STA	STATION

UTILITY OWNERS:

WATER, SEWER, STORM:

CITY OF POMPANO BEACH
CONTACT: DAVID MCGIRR
100 W ATLANTIC BLVD, POMPANO BEACH, FL 33060
(954) 786-5514
DAVID.MCGIRR@COPBFL.COM

GAS:

TECO PEOPLES GAS SOUTH FLORIDA
CONTACT: MAX CHAMORRO
(954) 830-1689
MJCHAMORRO@TECOENERGY.COM
FLORIDA GAS TRANSMISSION
CONTACT: JOE SANCHEZ
(407) 838-7171
JOSEPH.E.SANCHEZ@ENERGYTRANSFER.COM

COMCAST:

CONTACT: JUSTIN CASSELL
2601 SW 145 AVE. MIRAMAR, FL 33027
(786) 427-4049
JUSTIN_CASSELL@CABLE.COMCAST.COM

LUMEN/CENTURY LINK:

CONTACT: FRANCISCO AZURI
2121 W PROSPECT RD FORT LAUDERDALE FL 33309
(786) 266-1713
FRANCISCO.AZURI@LUMEN.COM

AT&T:

CONTACT: HENRY URENA
600 NW 79TH AVE MIAMI FL 33126
(954) 260-0615
HU083J@ATT.COM

FPL:

CONTACT: SHAUGHN MILLER
POMPANO SERVICE CENTER-FPL
330 SW 12TH AVE
POMPANO BEACH, FL 33069
(561) 954-956-2047
SHAUGHN.MILLER@FPL.COM

FIBER:

CROWN CASTLE FIBER
CONTACT: DANNY HASKETT
9250 W FLAGLER ST ROOM 5144 MIAMI FL 33174
(786) 246-7827

BROWARD COUNTY:

TRAFFIC ENGINEERING
CONTACT: ROBERT BLOUNT
2300 W COMMERCIAL BLVD. FORT LAUDERDALE, FL 33309
(954) 847-2745
RBLOUNT@BROWARD.ORG

BROWARD COUNTY:

WATER/WASTERWATER SERVICES
CONTACT: GEORGE SERBANESCU
(954) 553-8006
GSERBANESCU@BROWARD.ORG

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PHONE: 561-845-0665 FAX: 561-863-8175
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

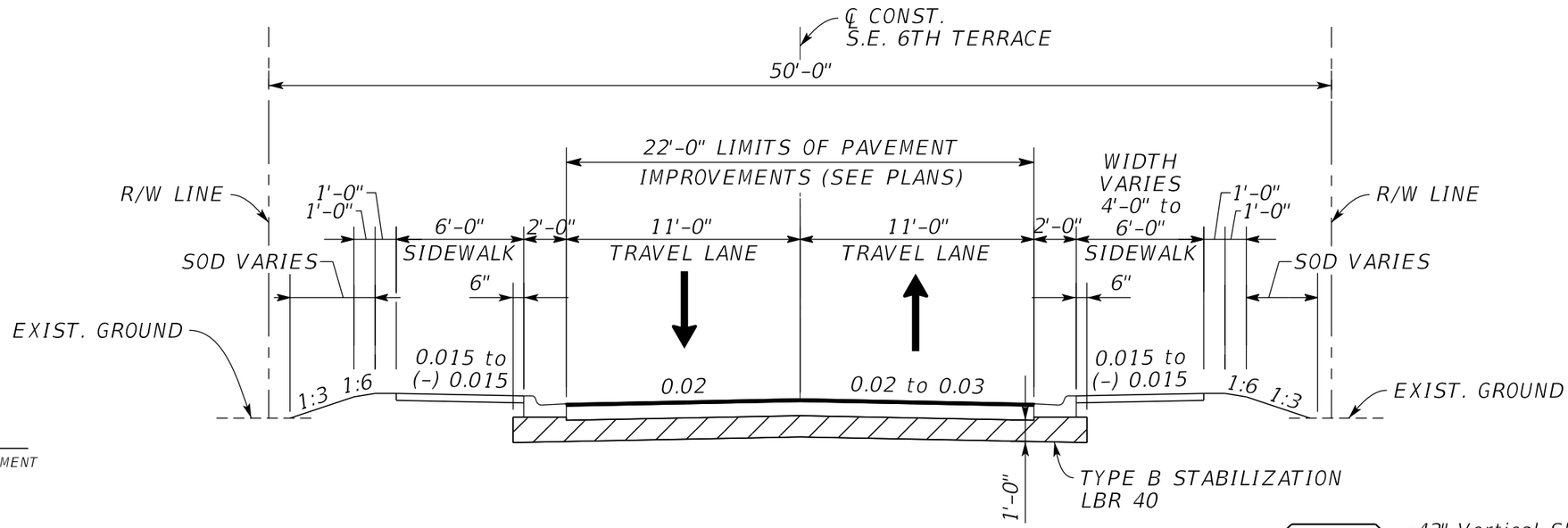
KHA PROJECT	040985062
DATE	JULY 2025
SCALE	AS SHOWN
DESIGNED BY	
DRAWN BY	
CHECKED BY	

S.E. 6TH TERRACE BRIDGE REPLACEMENT
PREPARED FOR
CITY OF POMPANO BEACH
CITY OF POMPANO FLORIDA

LICENSED PROFESSIONAL
MATTHEW B. FURSETZER
FLORIDA LICENSE NUMBER
63997
DATE:

GENERAL NOTES

SHEET NUMBER
3



MILLING

MILL EXISTING ASPHALT PAVEMENT
(1 1/2" AVG DEPTH)

OVERBUILD

TYPE SP-12.5 STRUCTURAL COURSE
VARIABLE DEPTH - UP TO 7.5"
1 1/2" FRICTION COURSE FC-12.5

RECONSTRUCTION

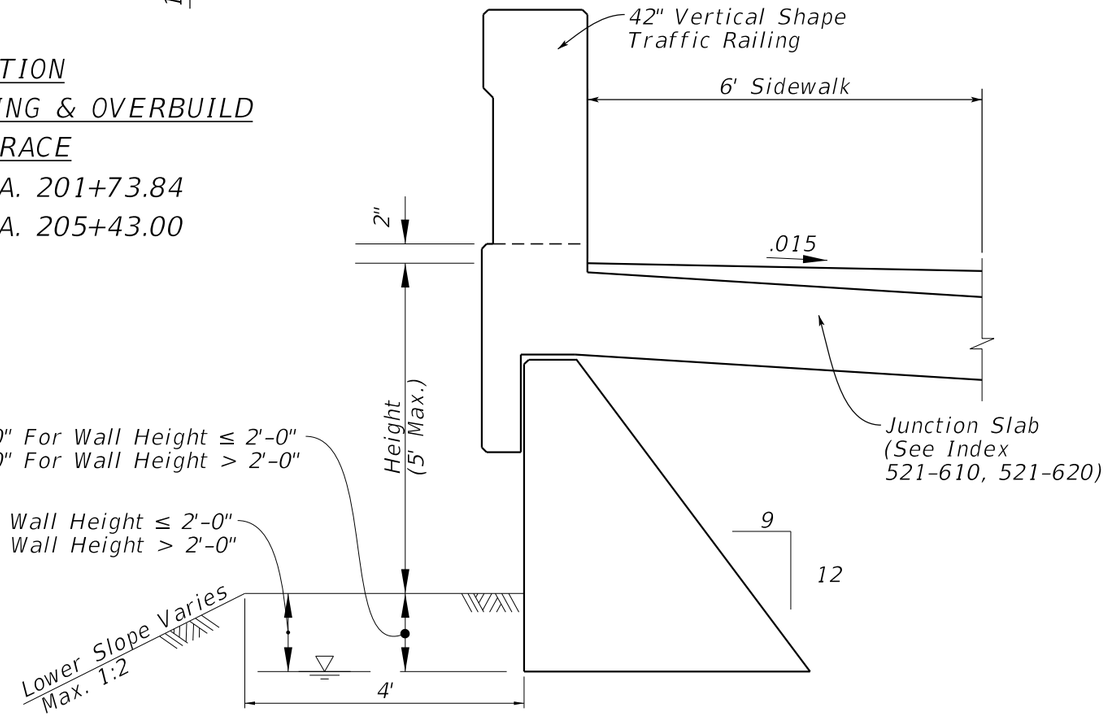
1 1/2" FRICTION COURSE FC-12.5
OPTIONAL BASE GROUP 6
12" TYPE B STABILIZATION

TRAFFIC DATA

CURRENT YEAR = 2021 AADT = 3564
ESTIMATED DESIGN YEAR = 2030 AADT = 3728
DESIGN SPEED = 20 MPH

TYPICAL SECTION
RECONSTRUCTION & MILLING & OVERBUILD
SE 6TH TERRACE

STA. 200+38.00 - STA. 201+73.84
STA. 203+34.84 - STA. 205+43.00



GRAVITY WALL SCHEME 3 (N.T.S.)
(With Traffic Railing)
STA 203+41 (LT) TO STA 203+80 (LT)
STA 203+29 (RT) TO STA 203+60 (RT)

No.	REVISIONS	DATE	BY

Kimley»Horn
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1920 WEKIVA WAY SUITE 200, WEST PALM BEACH, FL 33411
PHONE: 561-845-0665 FAX: 561-863-8175
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S.E. 6TH TERRACE BRIDGE REPLACEMENT
PREPARED FOR
CITY OF POMPANO BEACH
CITY OF POMPANO FLORIDA

LICENSED PROFESSIONAL
MATTHEW B. FURSETZER
FLORIDA LICENSE NUMBER
63997
DATE:

TYPICAL SECTIONS

SHEET NUMBER
4

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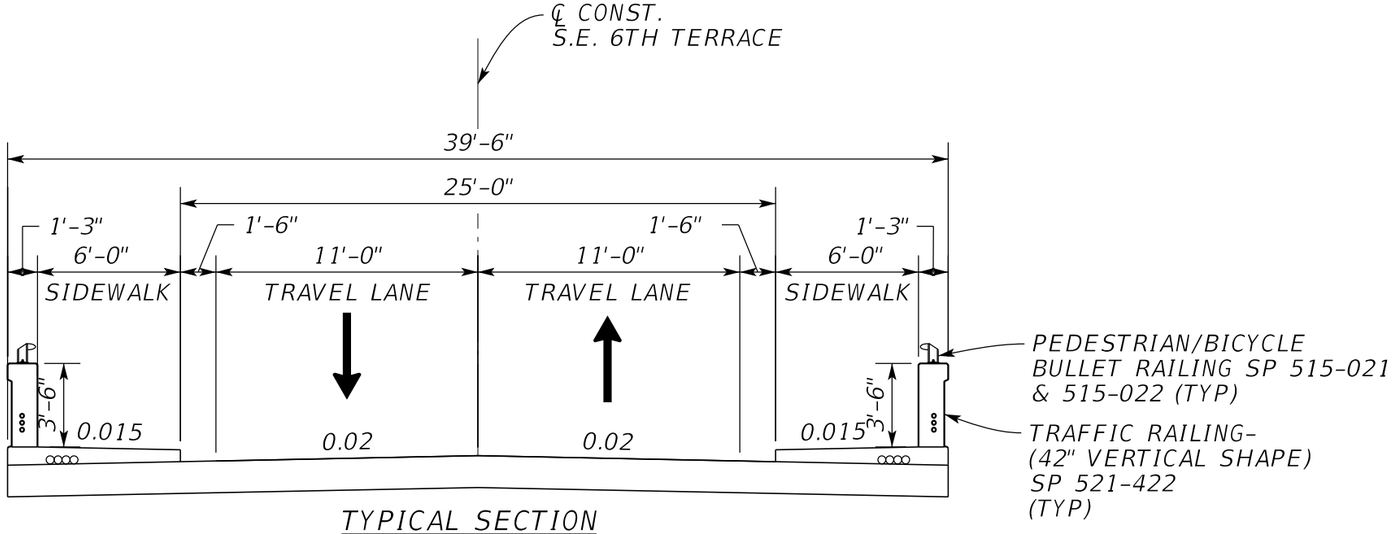
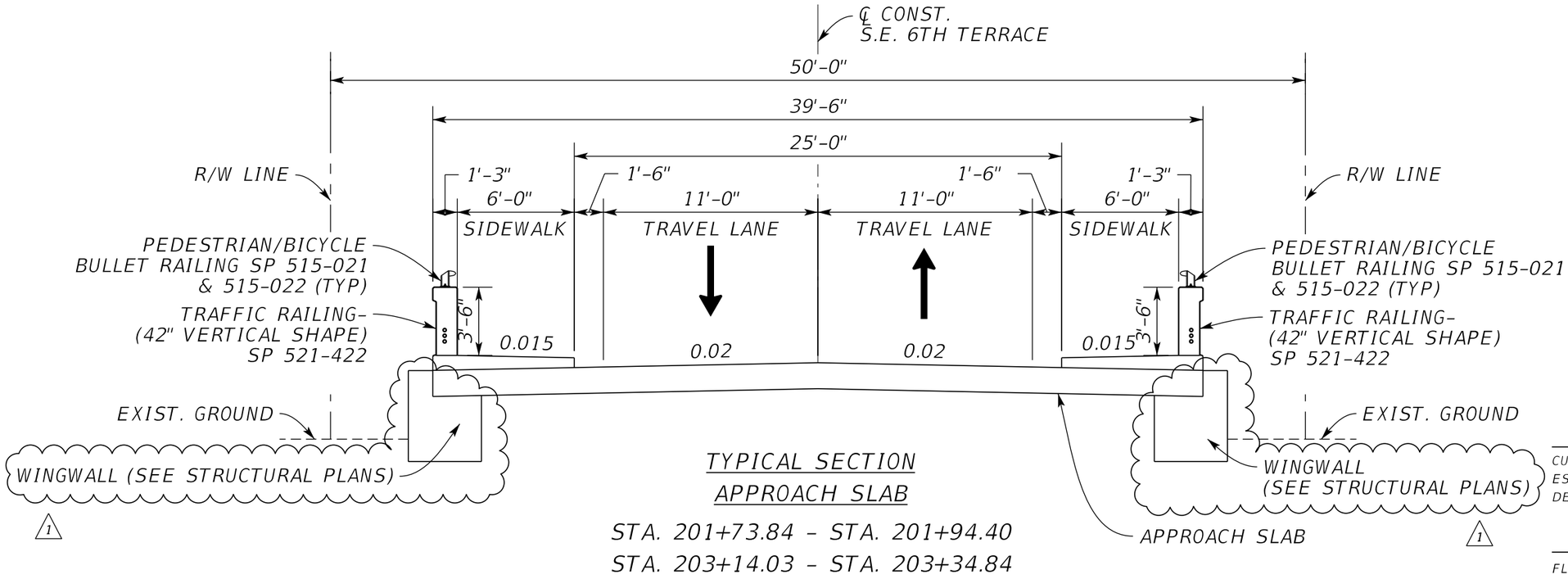


TYPICAL SECTION
SE 6TH TERRACE BRIDGE
STA. 201+94.40 - STA. 203+34.84



TYPICAL SECTION
APPROACH SLAB
STA. 201+73.84 - STA. 201+94.40
STA. 203+14.03 - STA. 203+34.84

TRAFFIC DATA

CURRENT YEAR = 2021 AADT = 3564
ESTIMATED DESIGN YEAR = 2030 AADT = 3728
DESIGN SPEED = 20 MPH

CRITERIA

FLORIDA GREENBOOK 2018

No.	REVISIONS	DATE	BY
1	REMOVED MSE WALL, ADDED WINGWALL	7/24/25	MT

Kimley»Horn
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1920 WEKIVA WAY SUITE 200, WEST PALM BEACH, FL 33411
PHONE: 561-845-0665 FAX: 561-863-8175
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

KHA PROJECT	040985062
DATE	JULY 2025
SCALE	AS SHOWN
DESIGNED BY	
DRAWN BY	
CHECKED BY	

S.E. 6TH TERRACE BRIDGE REPLACEMENT
PREPARED FOR
CITY OF POMPANO BEACH
CITY OF POMPANO FLORIDA

LICENSED PROFESSIONAL
MATTHEW B. FURSETZER
FLORIDA LICENSE NUMBER
63997
DATE:

TYPICAL SECTIONS

SHEET NUMBER
5

PLOTTED BY: Max.Teddy 7/25/2025 12:38:12 PM K:\WPB_Design\040985062_Pompano - SE 6th Terr\040985062\roadway\TYPSRD01.dgn
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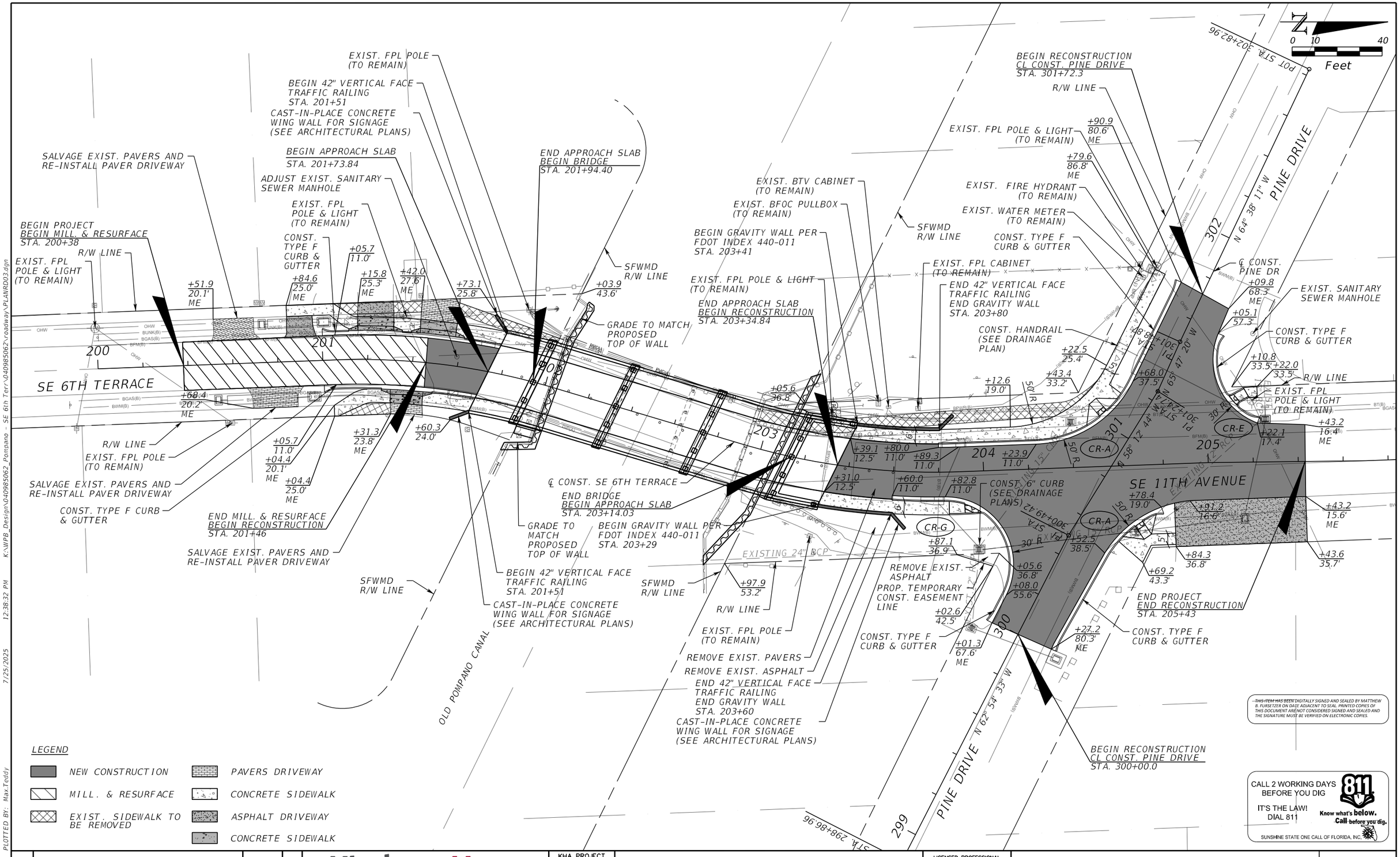

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S.E. 6TH TERRACE BRIDGE REPLACEMENT

PREPARED FOR

CITY OF POMPANO BEACH

CITY OF POMPANO FLORIDA

LICENSED PROFESSIONAL

MATTHEW B. FURSETZER

FLORIDA LICENSE NUMBER 63997

DATE:

ROADWAY PLAN

SHEET NUMBER 6

S.F.W.M.D. R/W LINE

VG FPL POLE IN CONFLICT

R/W LINE

BEGIN INTERSECTION GRADING
STA. 203+82.76

SE 6TH TERRACE

203

204

205

206

301

300

PINE DRIVE

SE 11TH AVENUE

79' TRANSITION

93' TRANSITION

END INTERSECTION GRADING
STA. 205+43.16

EXIST 15" RCP

EXISTING 15" CMP

EXISTING 12" RCP

EXIST 12" RCP

ING 24" RCP

R/W LINE

R/W LINE

R/W LINE

0 5 20
Feet

LEGEND

ASPHALT DRIVEWAY

X.XX - PROPOSED ELEVATION
±X.XX - MATCH EXISTING ELEVATION

No.	REVISIONS	DATE	BY
1	UPDATED STRUCTURAL REFERENCES	7/24/25	MT

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KHA PROJECT	040985062
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S.E. 6TH TERRACE BRIDGE REPLACEMENT

PREPARED FOR

CITY OF POMPANO BEACH

CITY OF POMPANO FLORIDA

LICENSED PROFESSIONAL

MATTHEW B. FURSETZER

FLORIDA LICENSE NUMBER
63997

DATE:

INTERSECTION DETAILS

SHEET NUMBER

7

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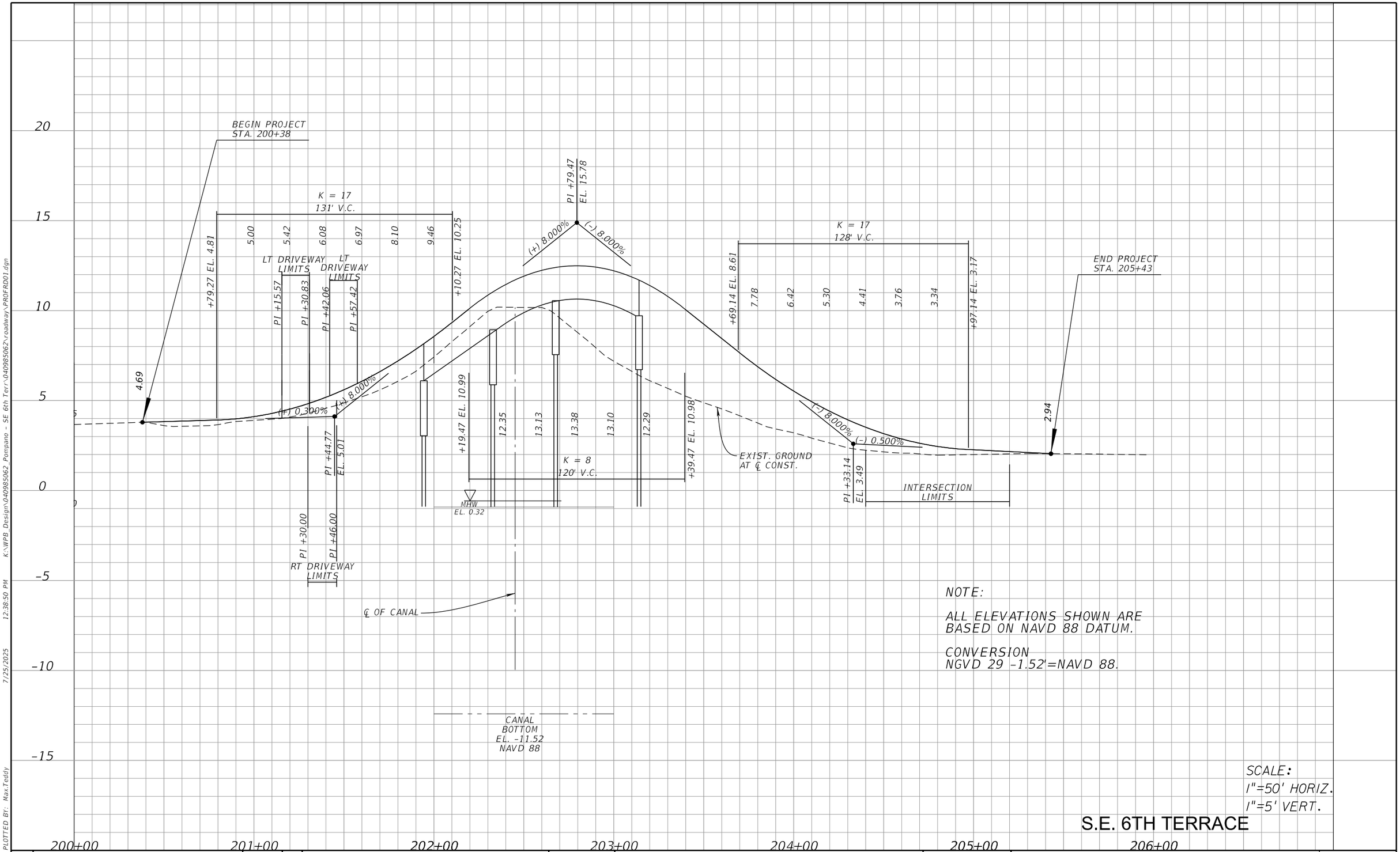

NOTE:

ALL ELEVATIONS SHOWN ARE BASED ON NAVD 88 DATUM.

CONVERSION
NGVD 29 -1.52'=NAVD 88.

SCALE:
1"=50' HORIZ.
1"=5' VERT.

S.E. 6TH TERRACE

No.	REVISIONS	DATE	BY

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WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

KHA PROJECT	040985062
DATE	JULY 2025
SCALE	AS SHOWN
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DRAWN BY	
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S.E. 6TH TERRACE BRIDGE REPLACEMENT

PREPARED FOR
CITY OF POMPANO BEACH

CITY OF POMPANO FLORIDA

LICENSED PROFESSIONAL

MATTHEW B. FURSETZER

FLORIDA LICENSE NUMBER
63997

DATE:

ROADWAY PROFILE

SHEET NUMBER
8

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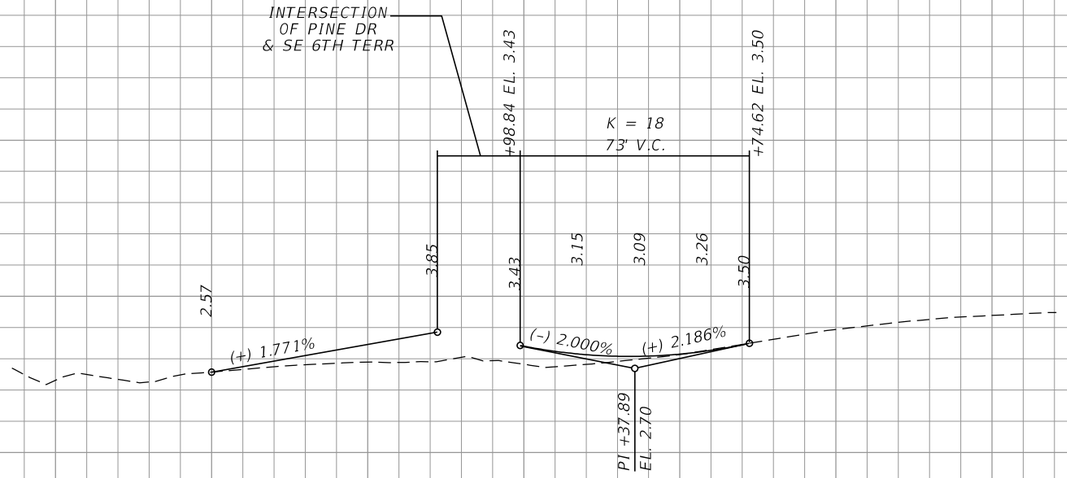

20 15 10 5 0 -5 -10 -15

300+00 301+00 302+00

SCALE:
1"=50' HORIZ.
1"=5' VERT.

PINE DRIVE

No.	REVISIONS	DATE	BY

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KHA PROJECT	040985062
DATE	JULY 2025
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S.E. 6TH TERRACE BRIDGE REPLACEMENT
PREPARED FOR
CITY OF POMPANO BEACH
CITY OF POMPANO FLORIDA

LICENSED PROFESSIONAL
MATTHEW B. FURSETZER
FLORIDA LICENSE NUMBER
63997
DATE:

ROADWAY PROFILE

SHEET NUMBER
9

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E-1
CATCH BASIN
RIM EL.2.93'
N INV EL. -1.33'(12" RCP)*
NW INV EL.-0.88'(15" CMP)*
S INV EL. -1.32'(24" PLASTIC)
E INV EL. -0.60'(12" RCP)
N INV EL. -1.33'(24" RCP)
SW INV EL.-0.90'(18"RCP)
BOTTOM EL.-1.87'
*PIPES TO BE REMOVED

E-2 -TO BE REMOVED
CATCH BASIN
RIM EL.2.38'
SE INV EL.-0.24'(12" RCP)
BOTTOM EL.-1.07'

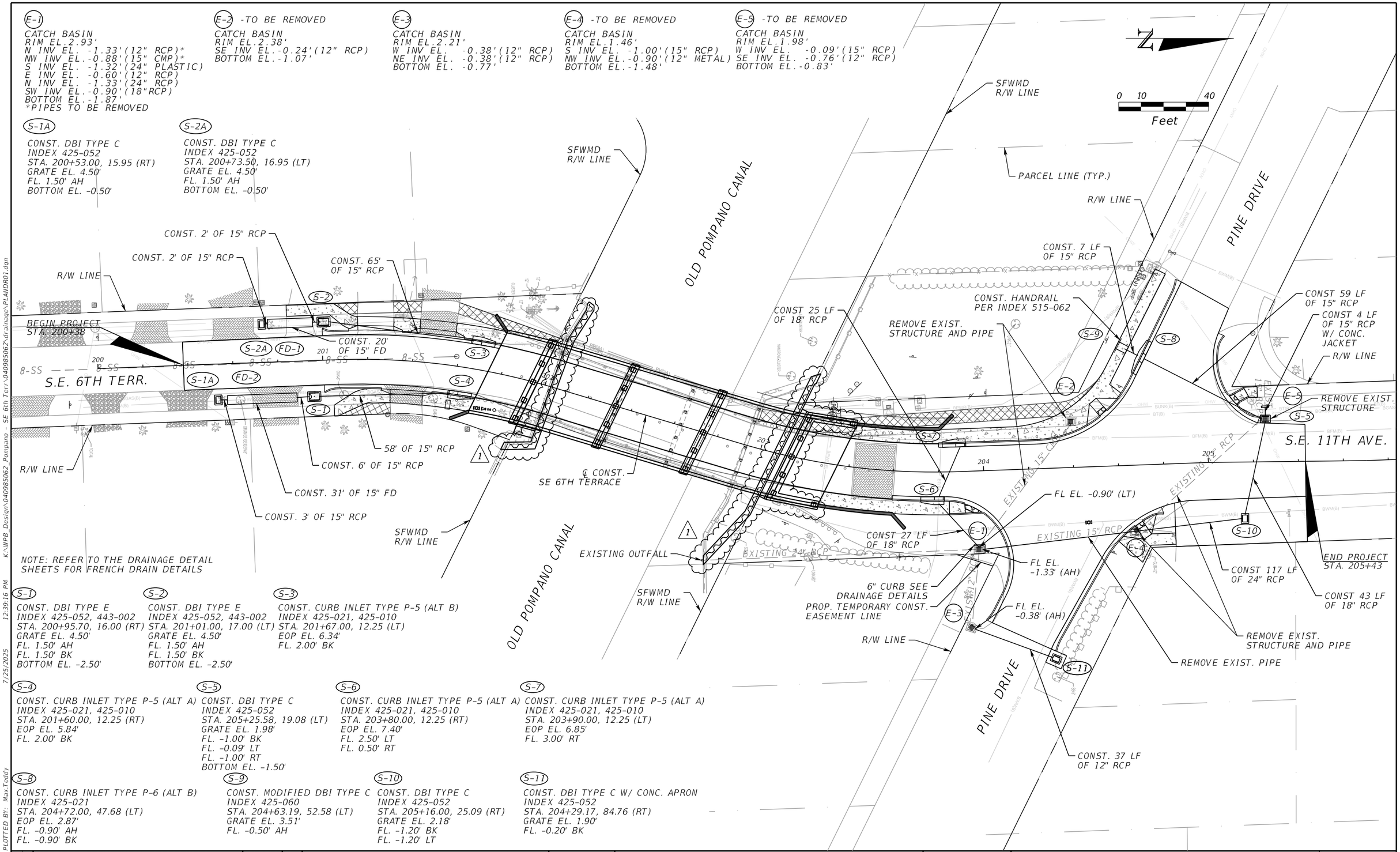
E-3
CATCH BASIN
RIM EL.2.21'
W INV EL. -0.38'(12" RCP)
NE INV EL. -0.38'(12" RCP)
BOTTOM EL. -0.77'

E-4 -TO BE REMOVED
CATCH BASIN
RIM EL.1.46'
S INV EL. -1.00'(15" RCP)
NW INV EL.-0.90'(12" METAL)
BOTTOM EL.-1.48'

E-5 -TO BE REMOVED
CATCH BASIN
RIM EL.1.98'
W INV EL. -0.09'(15" RCP)
SE INV EL. -0.76'(12" RCP)
BOTTOM EL.-0.83'

S-1A
CONST. DBI TYPE C
INDEX 425-052
STA. 200+53.00, 15.95 (RT)
GRATE EL. 4.50'
FL. 1.50' AH
BOTTOM EL. -0.50'

S-2A
CONST. DBI TYPE C
INDEX 425-052
STA. 200+73.50, 16.95 (LT)
GRATE EL. 4.50'
FL. 1.50' AH
BOTTOM EL. -0.50'



S-1
CONST. DBI TYPE E
INDEX 425-052, 443-002
STA. 200+95.70, 16.00 (RT)
GRATE EL. 4.50'
FL. 1.50' AH
FL. 1.50' BK
BOTTOM EL. -2.50'

S-2
CONST. DBI TYPE E
INDEX 425-052, 443-002
STA. 201+01.00, 17.00 (LT)
GRATE EL. 4.50'
FL. 1.50' AH
FL. 1.50' BK
BOTTOM EL. -2.50'

S-3
CONST. CURB INLET TYPE P-5 (ALT B)
INDEX 425-021, 425-010
STA. 201+67.00, 12.25 (LT)
EOP EL. 6.34'
FL. 2.00' BK

S-4
CONST. CURB INLET TYPE P-5 (ALT A)
INDEX 425-021, 425-010
STA. 201+60.00, 12.25 (RT)
EOP EL. 5.84'
FL. 2.00' BK

S-5
CONST. DBI TYPE C
INDEX 425-052
STA. 205+25.58, 19.08 (LT)
GRATE EL. 1.98'
FL. -1.00' BK
FL. -0.09' LT
FL. -1.00' RT
BOTTOM EL. -1.50'

S-6
CONST. CURB INLET TYPE P-5 (ALT A)
INDEX 425-021, 425-010
STA. 203+80.00, 12.25 (RT)
EOP EL. 7.40'
FL. 2.50' LT
FL. 0.50' RT

S-7
CONST. CURB INLET TYPE P-5 (ALT A)
INDEX 425-021, 425-010
STA. 203+90.00, 12.25 (LT)
EOP EL. 6.85'
FL. 3.00' RT

S-8
CONST. CURB INLET TYPE P-6 (ALT B)
INDEX 425-021
STA. 204+72.00, 47.68 (LT)
EOP EL. 2.87'
FL. -0.90' AH
FL. -0.90' BK

S-9
CONST. MODIFIED DBI TYPE C
INDEX 425-060
STA. 204+63.19, 52.58 (LT)
GRATE EL. 3.51'
FL. -0.50' AH

S-10
CONST. DBI TYPE C
INDEX 425-052
STA. 205+16.00, 25.09 (RT)
GRATE EL. 2.18'
FL. -1.20' BK
FL. -1.20' LT

S-11
CONST. DBI TYPE C W/ CONC. APRON
INDEX 425-052
STA. 204+29.17, 84.76 (RT)
GRATE EL. 1.90'
FL. -0.20' BK

No.	REVISIONS	DATE	BY
1	UPDATED STRUCTURAL REFERENCES	7/24/25	MT

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PHONE: 561-845-0665 FAX: 561-863-8175
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

KHA PROJECT 040985062
DATE JULY 2025
SCALE AS SHOWN
DESIGNED BY
DRAWN BY
CHECKED BY

S.E. 6TH TERRACE BRIDGE REPLACEMENT
PREPARED FOR
CITY OF POMPANO BEACH
CITY OF POMPANO FLORIDA

LICENSED PROFESSIONAL
DEBORAH LYNN KNIGHTON
FLORIDA LICENSE NUMBER 43920
DATE:

DRAINAGE PLAN

SHEET NUMBER 10

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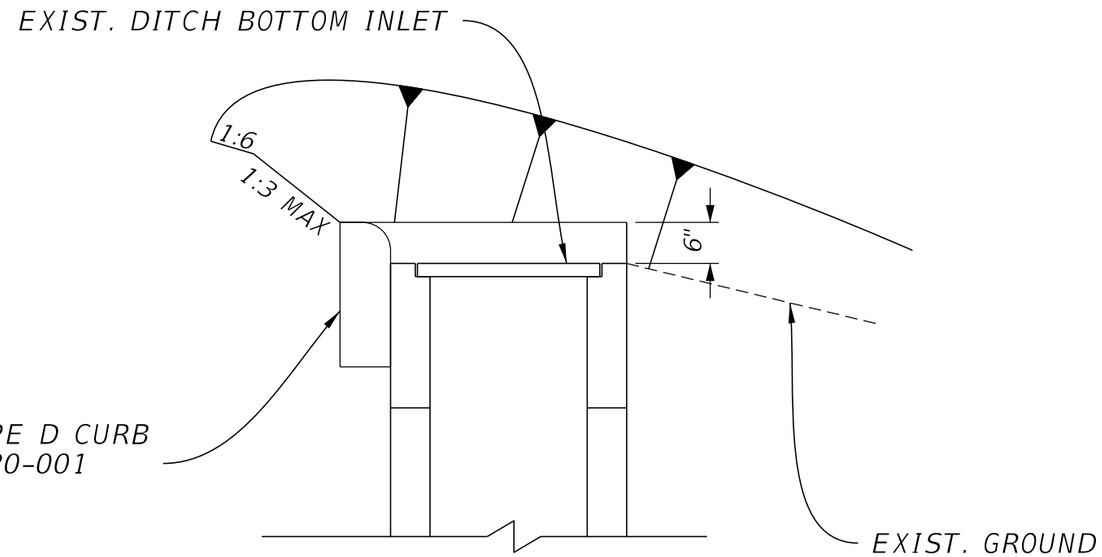
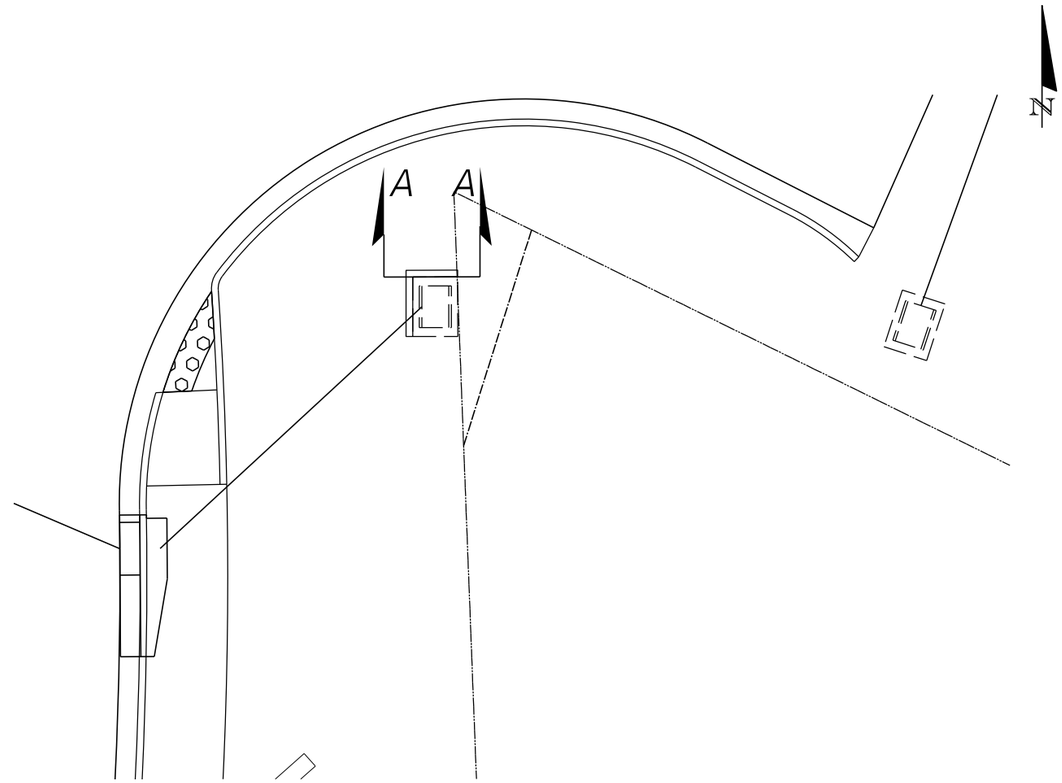


6" CURB - INLET PROTECTION DETAIL

SECTION A-A

N.T.S.



6" CURB - INLET PROTECTION DETAIL

PLAN VIEW

N.T.S.

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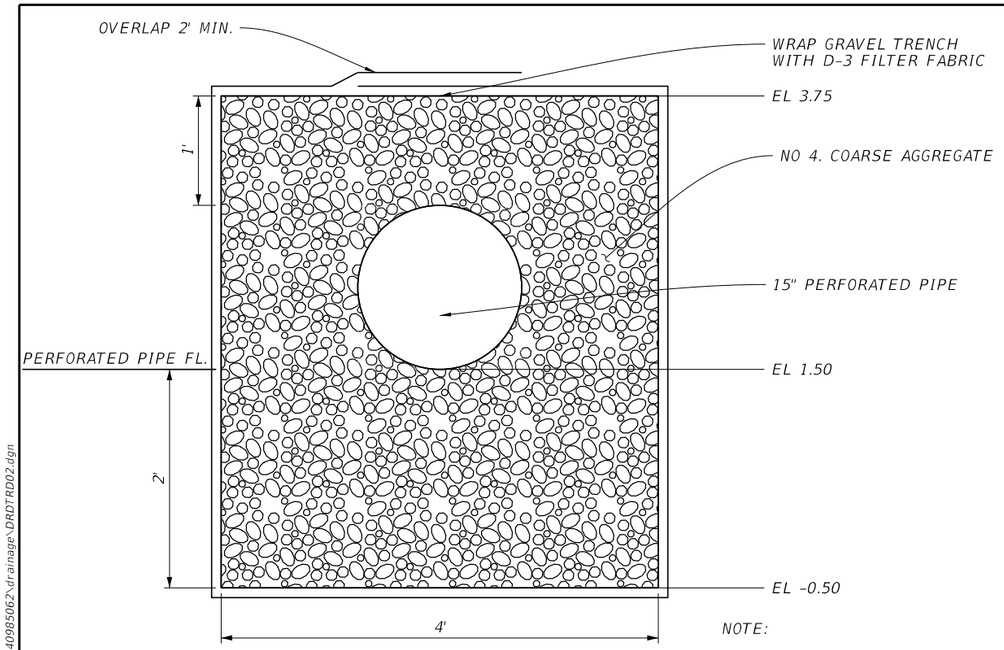
DRAWN BY	
CHECKED BY	

S.E. 6TH TERRACE BRIDGE REPLACEMENT
PREPARED FOR
CITY OF POMPANO BEACH
CITY OF POMPANO FLORIDA

LICENSED PROFESSIONAL
DEBORAH LYNN KNIGHTON
FLORIDA LICENSE NUMBER
43920
DATE:

DRAINAGE DETAIL

SHEET NUMBER
11



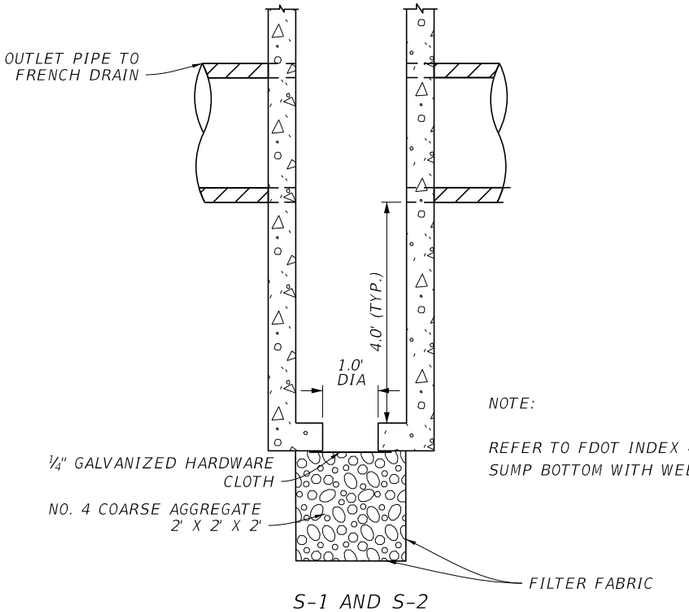
NOTE:

REFER TO FDOT INDEX 443-001 FOR ADDITIONAL FRENCH DRAIN ASSEMBLY DETAILS

FD-1 AND FD-2

FRENCH DRAIN DETAIL

N.T.S.



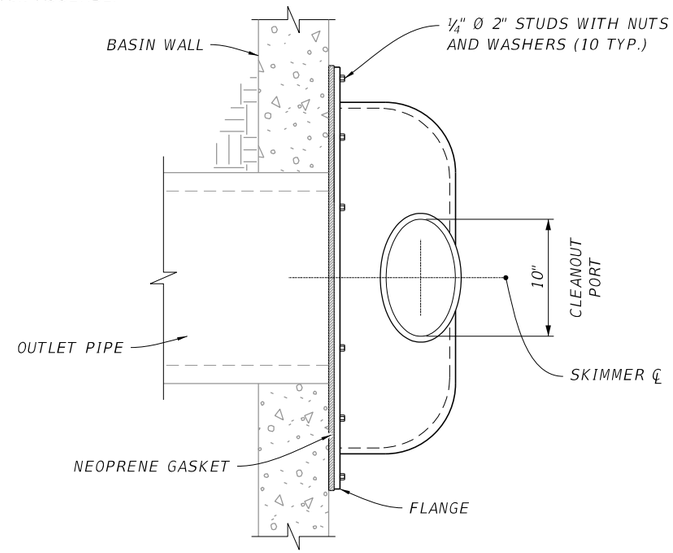
NOTE:

REFER TO FDOT INDEX 425-001 FOR SUMP BOTTOM WITH WEEP HOLE DETAILS

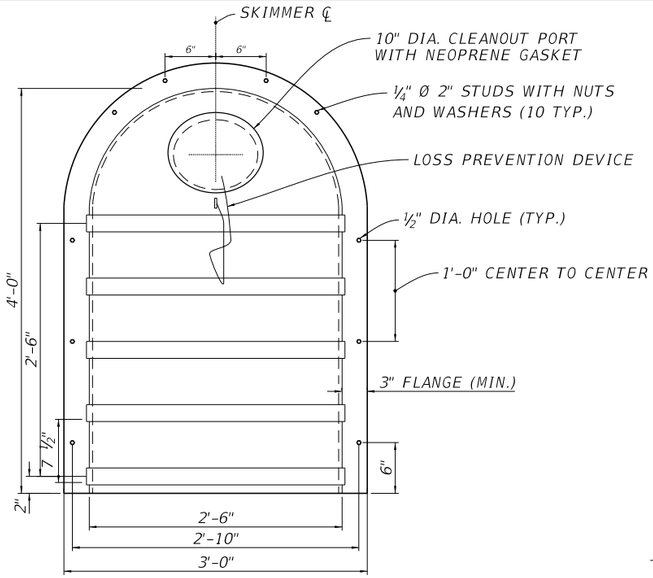
S-1 AND S-2

WEEP HOLE DETAIL

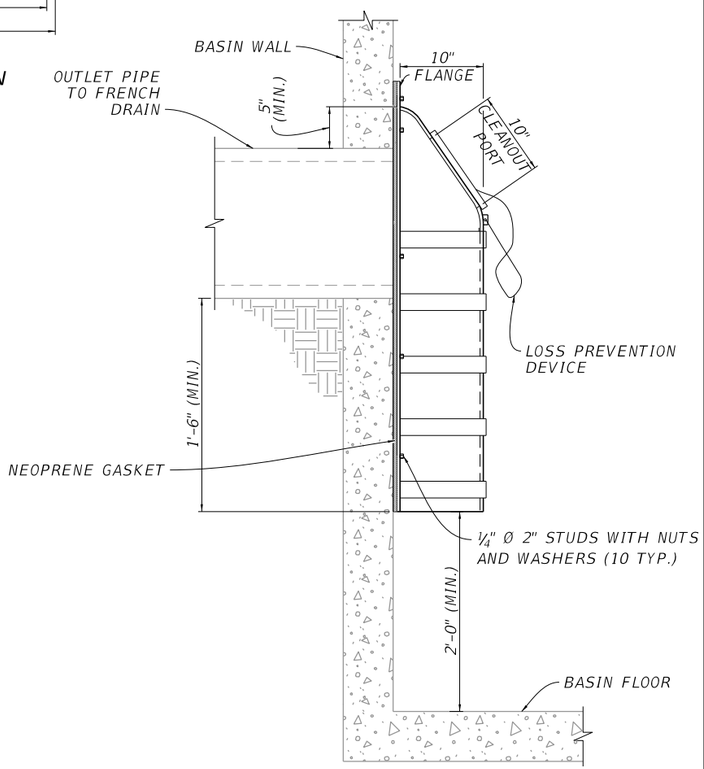
N.T.S.



PLAN



FRONT ELEVATION



SIDE ELEVATION

S-1 AND S-2

SKIMMER DETAIL

N.T.S.

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WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

KHA PROJECT	040985062
DATE	JULY 2025
SCALE	AS SHOWN
DESIGNED BY	
DRAWN BY	
CHECKED BY	

S.E. 6TH TERRACE BRIDGE REPLACEMENT

PREPARED FOR

CITY OF POMPANO BEACH

CITY OF POMPANO FLORIDA

LICENSED PROFESSIONAL

DEBORAH LYNN KNIGHTON

FLORIDA LICENSE NUMBER 43920

DATE:

DRAINAGE DETAIL

SHEET NUMBER 12

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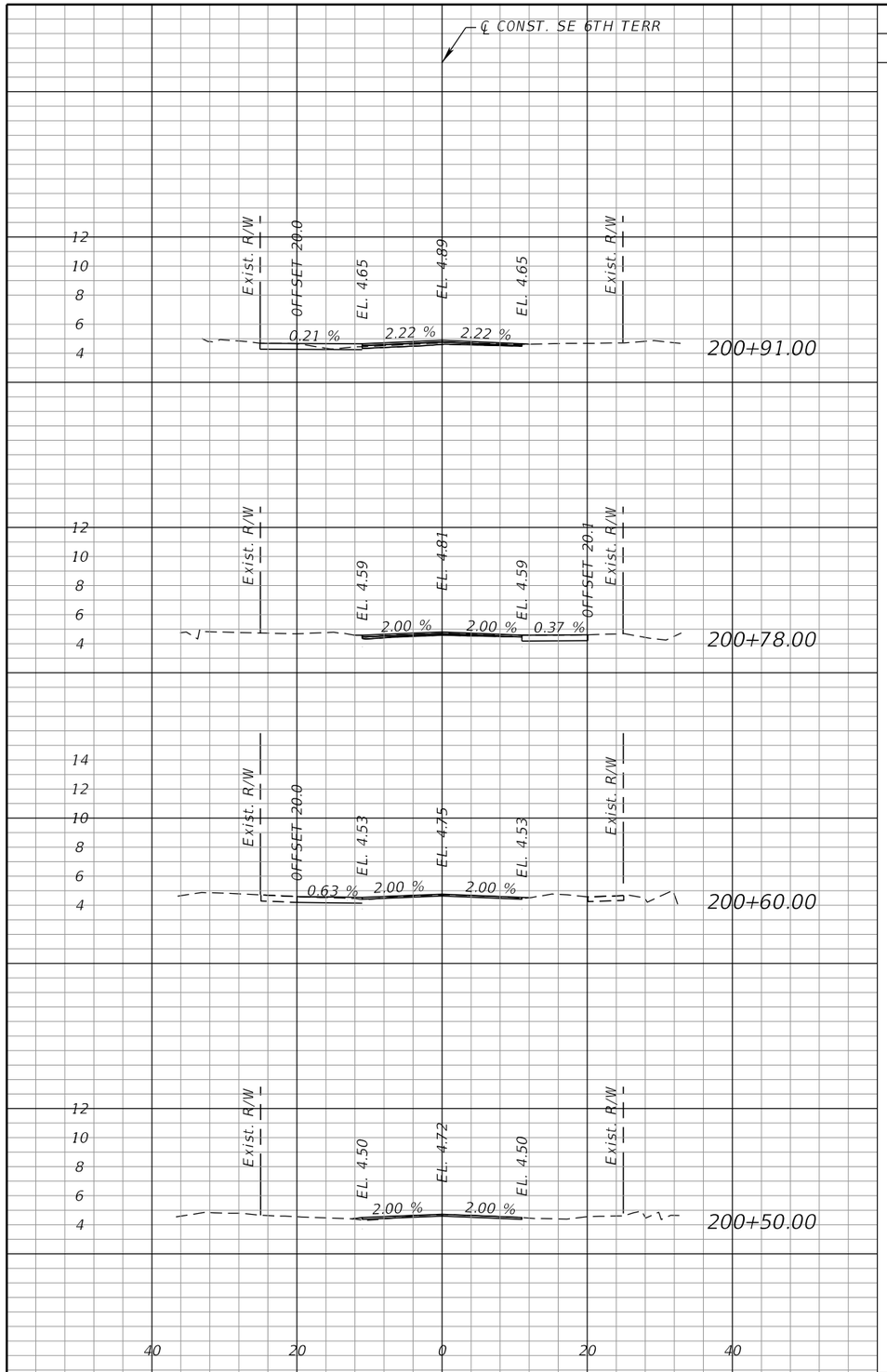
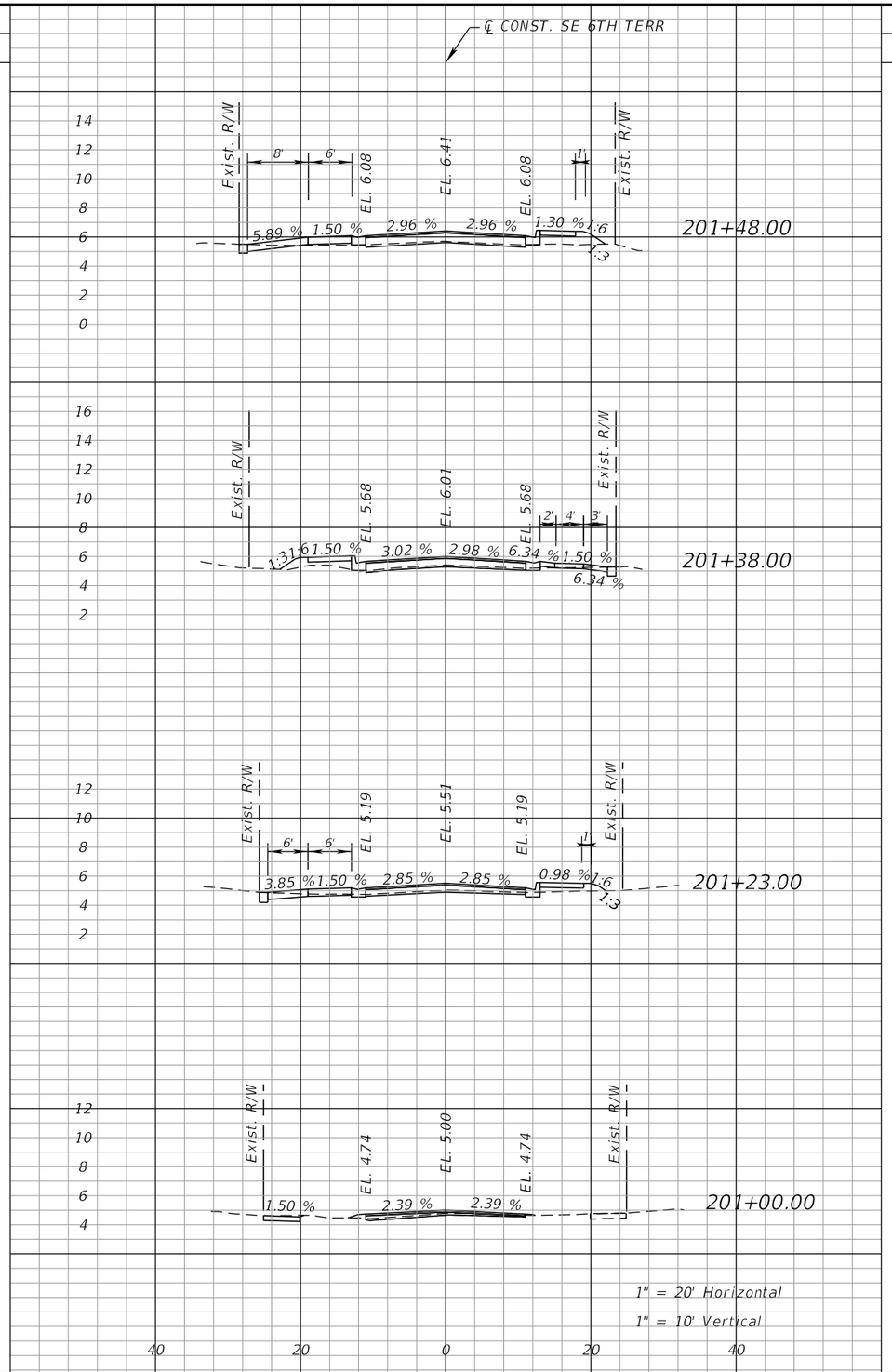


	Regular Exc.		Embankment	
	A	V	A	V
200+91.00	1.75	0.75	0.31	0.09
200+78.00	1.08	0.68	0.50	0.20
200+60.00	1.71	0.93	0.03	0.18
200+50.00	1.85	0.66	0.12	0.03



	Regular Exc.		Embankment	
	A	V	A	V
201+48.00	4.46	3.84	7.50	13.90
201+38.00	4.60	1.68	4.10	2.14
201+23.00	7.13	3.26	2.76	1.90
201+00.00	2.74	4.20	0.52	1.40

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No.	REVISIONS	DATE	BY

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WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

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DATE	JULY 2025
SCALE	AS SHOWN
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DRAWN BY	
CHECKED BY	

S.E. 6TH TERRACE BRIDGE REPLACEMENT

PREPARED FOR

CITY OF POMPANO BEACH

CITY OF POMPANO FLORIDA

LICENSED PROFESSIONAL

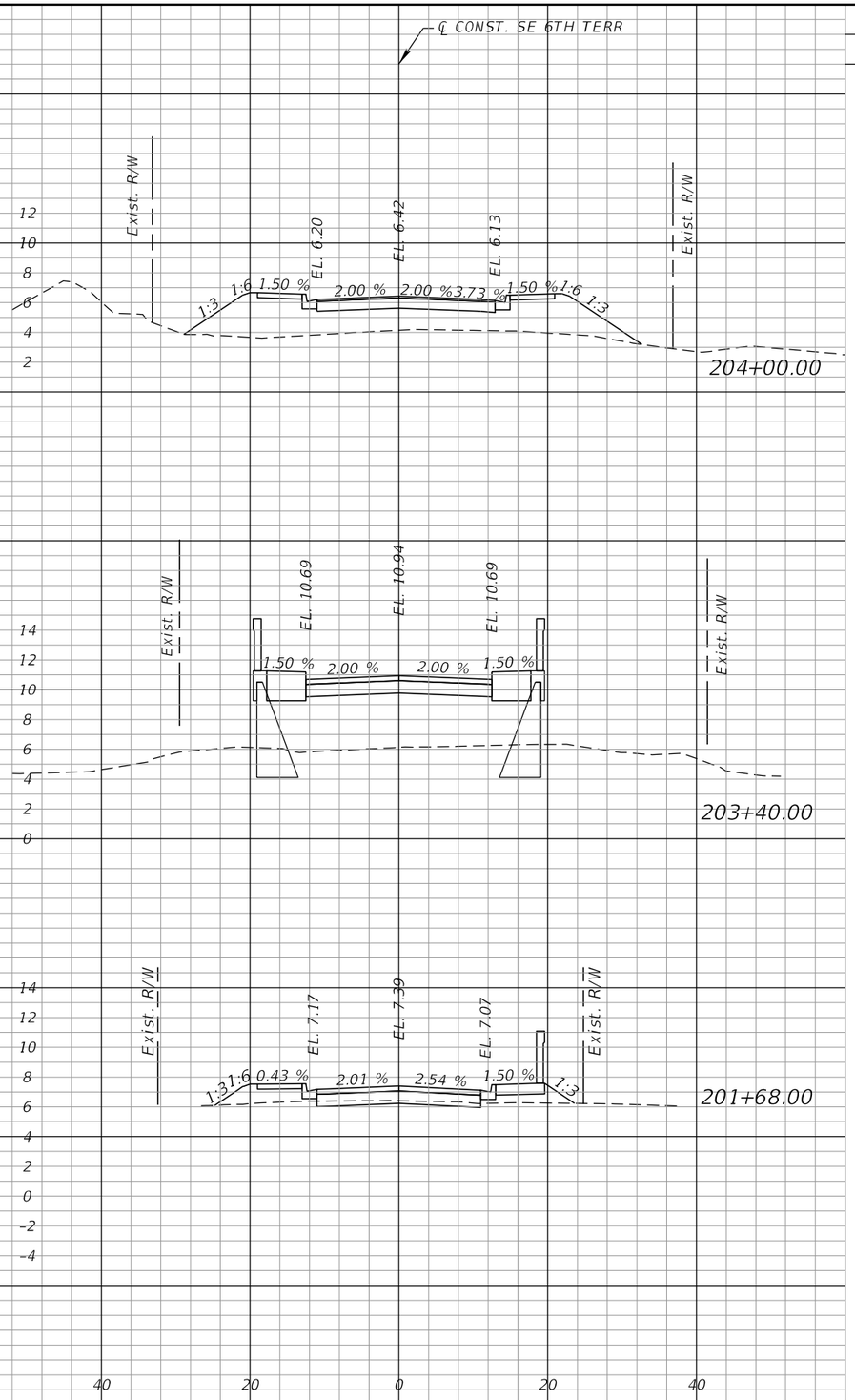
MATTHEW B. FURSETZER

FLORIDA LICENSE NUMBER 63997

DATE:

CROSS SECTIONS

SHEET NUMBER 13



	Regular Exc.		Embankment	
	A	V	A	V
204+00.00			170	
203+40.00			113	314
201+68.00	5.93		30	

	Regular Exc.		Embankment	
	A	V	A	V

1" = 20' Horizontal
1" = 10' Vertical

No.	REVISIONS	DATE	BY
0			

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MATTHEW B. FURSETZER

FLORIDA LICENSE NUMBER 63997

DATE:

CROSS SECTIONS

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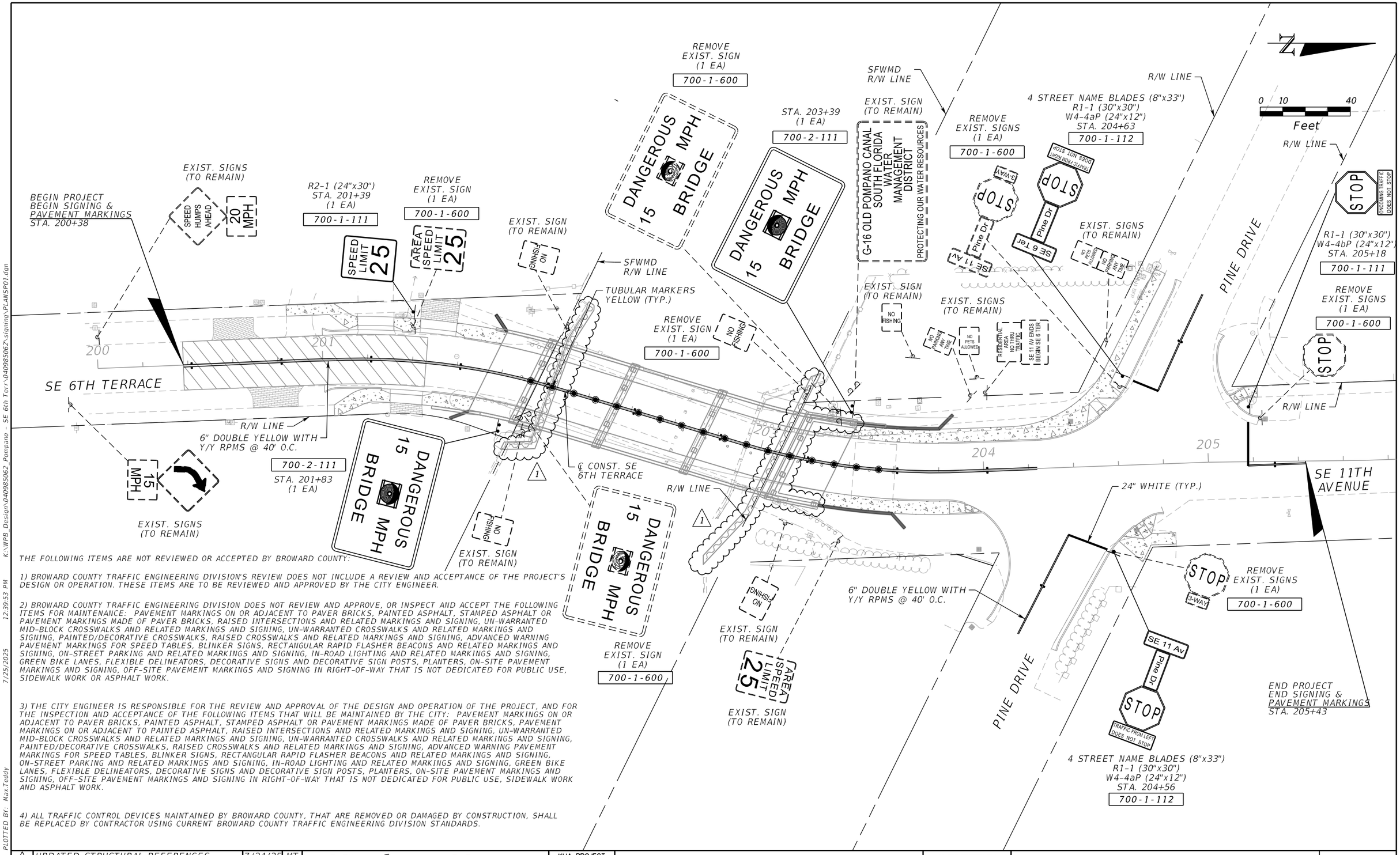
Max.Teddy
PLOTTED BY:



THE FOLLOWING ITEMS ARE NOT REVIEWED OR ACCEPTED BY BROWARD COUNTY:

1) BROWARD COUNTY TRAFFIC ENGINEERING DIVISION'S REVIEW DOES NOT INCLUDE A REVIEW AND ACCEPTANCE OF THE PROJECT'S DESIGN OR OPERATION. THESE ITEMS ARE TO BE REVIEWED AND APPROVED BY THE CITY ENGINEER.

2) BROWARD COUNTY TRAFFIC ENGINEERING DIVISION DOES NOT REVIEW AND APPROVE, OR INSPECT AND ACCEPT THE FOLLOWING ITEMS FOR MAINTENANCE: PAVEMENT MARKINGS ON OR ADJACENT TO PAVER BRICKS, PAINTED ASPHALT, STAMPED ASPHALT OR PAVEMENT MARKINGS MADE OF PAVER BRICKS, RAISED INTERSECTIONS AND RELATED MARKINGS AND SIGNING, UN-WARRANTED MID-BLOCK CROSSWALKS AND RELATED MARKINGS AND SIGNING, UN-WARRANTED CROSSWALKS AND RELATED MARKINGS AND SIGNING, PAINTED/DECORATIVE CROSSWALKS, RAISED CROSSWALKS AND RELATED MARKINGS AND SIGNING, ADVANCED WARNING PAVEMENT MARKINGS FOR SPEED TABLES, BLINKER SIGNS, RECTANGULAR RAPID FLASHER BEACONS AND RELATED MARKINGS AND SIGNING, ON-STREET PARKING AND RELATED MARKINGS AND SIGNING, IN-ROAD LIGHTING AND RELATED MARKINGS AND SIGNING, GREEN BIKE LANES, FLEXIBLE DELINEATORS, DECORATIVE SIGNS AND DECORATIVE SIGN POSTS, PLANTERS, ON-SITE PAVEMENT MARKINGS AND SIGNING, OFF-SITE PAVEMENT MARKINGS AND SIGNING IN RIGHT-OF-WAY THAT IS NOT DEDICATED FOR PUBLIC USE, SIDEWALK WORK OR ASPHALT WORK.

3) THE CITY ENGINEER IS RESPONSIBLE FOR THE REVIEW AND APPROVAL OF THE DESIGN AND OPERATION OF THE PROJECT, AND FOR THE INSPECTION AND ACCEPTANCE OF THE FOLLOWING ITEMS THAT WILL BE MAINTAINED BY THE CITY: PAVEMENT MARKINGS ON OR ADJACENT TO PAVER BRICKS, PAINTED ASPHALT, STAMPED ASPHALT OR PAVEMENT MARKINGS MADE OF PAVER BRICKS, PAVEMENT MARKINGS ON OR ADJACENT TO PAINTED ASPHALT, RAISED INTERSECTIONS AND RELATED MARKINGS AND SIGNING, UN-WARRANTED MID-BLOCK CROSSWALKS AND RELATED MARKINGS AND SIGNING, UN-WARRANTED CROSSWALKS AND RELATED MARKINGS AND SIGNING, PAINTED/DECORATIVE CROSSWALKS, RAISED CROSSWALKS AND RELATED MARKINGS AND SIGNING, ADVANCED WARNING PAVEMENT MARKINGS FOR SPEED TABLES, BLINKER SIGNS, RECTANGULAR RAPID FLASHER BEACONS AND RELATED MARKINGS AND SIGNING, ON-STREET PARKING AND RELATED MARKINGS AND SIGNING, IN-ROAD LIGHTING AND RELATED MARKINGS AND SIGNING, GREEN BIKE LANES, FLEXIBLE DELINEATORS, DECORATIVE SIGNS AND DECORATIVE SIGN POSTS, PLANTERS, ON-SITE PAVEMENT MARKINGS AND SIGNING, OFF-SITE PAVEMENT MARKINGS AND SIGNING IN RIGHT-OF-WAY THAT IS NOT DEDICATED FOR PUBLIC USE, SIDEWALK WORK AND ASPHALT WORK.

4) ALL TRAFFIC CONTROL DEVICES MAINTAINED BY BROWARD COUNTY, THAT ARE REMOVED OR DAMAGED BY CONSTRUCTION, SHALL BE REPLACED BY CONTRACTOR USING CURRENT BROWARD COUNTY TRAFFIC ENGINEERING DIVISION STANDARDS.

No.	REVISIONS	DATE	BY
1	UPDATED STRUCTURAL REFERENCES	7/24/25	MT

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WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

KHA PROJECT 040985062
DATE JULY 2025
SCALE AS SHOWN
DESIGNED BY
DRAWN BY
CHECKED BY

S.E. 6TH TERRACE BRIDGE REPLACEMENT

PREPARED FOR
CITY OF POMPANO BEACH
CITY OF POMPANO FLORIDA

LICENSED PROFESSIONAL
MATTHEW B. FURSETZER
FLORIDA LICENSE NUMBER
63997
DATE:

SIGNING & PAVEMENT MARKING PLAN

SHEET NUMBER
15

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TRAFFIC CONTROL GENERAL NOTES:

1. MAINTAIN TRAFFIC IN ACCORDANCE WITH THE FY2021-22 FDOT STANDARD PLANS FOR ROAD AND BRIDGE CONSTRUCTION INDEX 102-600 SERIES. FOR TEMPORARY TRAFFIC CONTROL ZONE REQUIREMENTS AND ADDITIONAL INFORMATION, SEE STANDARD PLANS INDEX NO. 102-602 AND 102-603. MODIFY THE TRAFFIC CONTROL PLAN AS NEEDED TO ASSIST AND EXPEDITE EMERGENCY VEHICLES THROUGH THE WORK ZONE.

2. LANE CLOSURE SHALL OCCUR ONLY DURING NON-PEAK HOURS ON NON-EVENT DAYS/NIGHTS/WEEKENDS. NON- PEAK HOURS ARE:
9:00 PM TO 5:30 AM - SUNDAY THROUGH THURSDAY NIGHTS
11:00 PM TO 7:00 AM - FRIDAY AND SATURDAY NIGHTS

3. TRAFFIC CONTROL PLANS ARE DESIGNED FOR NON-PEAK HOURS ONLY. KEEP ALL EXISTING LANES OPEN DURING PEAK HOURS.

4. REGULATORY SPEED ESTABLISHED WITHIN WORK ZONE TRAVEL WAYS SHALL BE 20 M.P.H. REDUCED SPEED AND REGULATORY SPEED SIGNS SHALL BE INSTALLED ON SEPARATE POSTS IN ACCORDANCE WITH THE STANDARD INDEXES.

5. PCMS SHALL BE PLACED 7 DAYS PRIOR TO CLOSING LANES AND DURING CONSTRUCTION. TYPICAL PCMS MESSAGES SHALL READ AS FOLLOWS:

DISPLAY "A" | DISPLAY "B"

PCMS SIGNAGE
(7 DAYS PRIOR TO CONSTRUCTION)

DISPLAY "A" | DISPLAY "A"

CMS SIGNAGE (ALL PHASES)
(DURING CONSTRUCTION)

6. PROVIDE PROJECT INFORMATION SIGN AS PER STANDARD PLANS 102-600. PLACE ONLY ON THE MAINLINE APPROACHES LOCATED 500 FT IN ADVANCE OF THE FIRST ADVANCE WARNING SIGN, OR AS CLOSE TO THE BEGINNING OF THE PROJECT AS PRACTICAL.

7. ACCESS TO DRIVEWAYS AND RESIDENCES SHALL BE MAINTAINED AT ALL TIMES DURING CONSTRUCTION.

VESSELS TRAFFIC CONTROL GENERAL NOTES:

1. PROVIDE AND MAINTAIN BOAT TRAFFIC ACCOMMODATIONS DURING THE DEMOLITION OF THE EXISTING BRIDGE AND CONSTRUCTION OF THE NEW BRIDGE.

2. FACILITATE BOATERS TRAFFIC ESTABLISHING CONTROLLED ACCESS FOR BOATS IN AND AROUND THE CONSTRUCTION WORK ZONE.

3. CONTRACTOR TO COORDINATE WITH THE ENGINEER AND POST ADVANCED WARNING SIGNAGE WITH TIMES FOR PARTIAL OR FULL CLOSURES OF THE OLD POMPANO CANAL WITHIN THREE DAYS IN ADVANCE.

4. PARTIAL OR FULL CLOSURES THROUGH THE WORK ZONE SHALL ONLY TAKE PLACE, MONDAY THROUGH FRIDAY, DURING REGULARLY SCHEDULED WORKING HOURS,WITH OFF HOURS ALLOWING ACCESS THROUGH THE CHANNEL.

5. WHEN WORKING UNDER CONTROLLED ACCESS HOURS, THE CONTRACTOR TO OPERATE IN A MANNER SIMILAR TO A DRAW BRIDGE OPERATION WHERE BOATS WILL HAVE TO WAIT ON EITHER SIDE OF THE BRIDGE UNTIL THE NAVIGATIONAL CHANNEL IS OPENED FOR SAFE BOAT PASSAGE.

FOR CONSTRUCTION OF BRIDGE NO. 868106 OVER OLD POMPANO CANAL

PHASE 1A:

1. ALL UTILITIES SHALL REMAIN IN SERVICE AT ALL TIMES.

2. BEFORE ALL BRIDGE PHASE CONSTRUCTION, FIRST COORDINATE AND ADJUST ALL TEMPORARY UTILITIES IN CLOSE PROXIMITY OF THE BRIDGE.

3. MAINTAIN TWO-WAY TRAFFIC ON EXISTING FACILITY FOLLOWING FDOT STANDARD PLANS INDEX 102-600, 102-602.

4. WHEN TWO-WAY TRAFFIC CAN NOT BE MAINTAINED, ONE-LANE OPERATIONS, ONLY DURING NON-PEAK HOURS, SHALL BE MAINTAINED IN ACCORDANCE WITH INDEXES 102-600 OR 102-603.

PHASE 1:

1. INSTALL DETOUR TRAFFIC CONTROL SIGNS AND DEVICES PER TRAFFIC CONTROL PLAN FOLLOWING FDOT STANDARD PLANS INDEX 102-600, 102-602 AND 102-603.

2. COORDINATE AND INSTALL ADVANCED WARNING SIGNS FOR VESSELS IN OLD POMPANO CANAL.

3. DEMOLISH THE EXISTING OLD POMPANO CANAL BRIDGE.

4. SEAWALL REPAIR WORK.

PHASE 2:

1. MAINTAIN DETOUR TRAFFIC CONTROL SIGNS AND DEVICES PER TRAFFIC CONTROL PLAN.

2. CONSTRUCT THE OLD POMPANO CANAL BRIDGE.

3. COORDINATE ALL FINAL UTILITY ADJUSTMENTS.

4. COMPLETE ALL ABOVE WATER WORK AND OPEN UNRESTRICTED VESSEL TRAFFIC IN CYPRESS CANAL.

5. CONSTRUCT BRIDGE RAIL END TREATMENTS AND APPROACH SLABS.

6. PAVEMENT RECONSTRUCTION.

7. CONSTRUCT SIDEWALKS AND DRIVEWAYS.

PHASE 3:

1. REMOVE DETOUR AND MAINTAIN TWO-WAY TRAFFIC ON NEW FACILITY FOLLOWING FDOT STANDARD PLANS INDEX 102-600, 102-602.

2. PLACE NEW SOD AND LANDSCAPING.

3. PLACE FINAL PAVEMENT, SIGNAGE AND PAVEMENT MARKINGS.

4. OPEN TO NORMAL TRAFFIC.

No.	REVISIONS	DATE	BY

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PHONE: 561-845-0665 FAX: 561-863-8175
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

KHA PROJECT	040985062
DATE	JULY 2025
SCALE	AS SHOWN
DESIGNED BY	
DRAWN BY	
CHECKED BY	

S.E. 6TH TERRACE BRIDGE REPLACEMENT
PREPARED FOR
CITY OF POMPANO BEACH
CITY OF POMPANO FLORIDA

LICENSED PROFESSIONAL
MATTHEW B. FURSETZER
FLORIDA LICENSE NUMBER
63997
DATE:

TRAFFIC CONTROL PLAN
GENERAL NOTES

SHEET NUMBER
16

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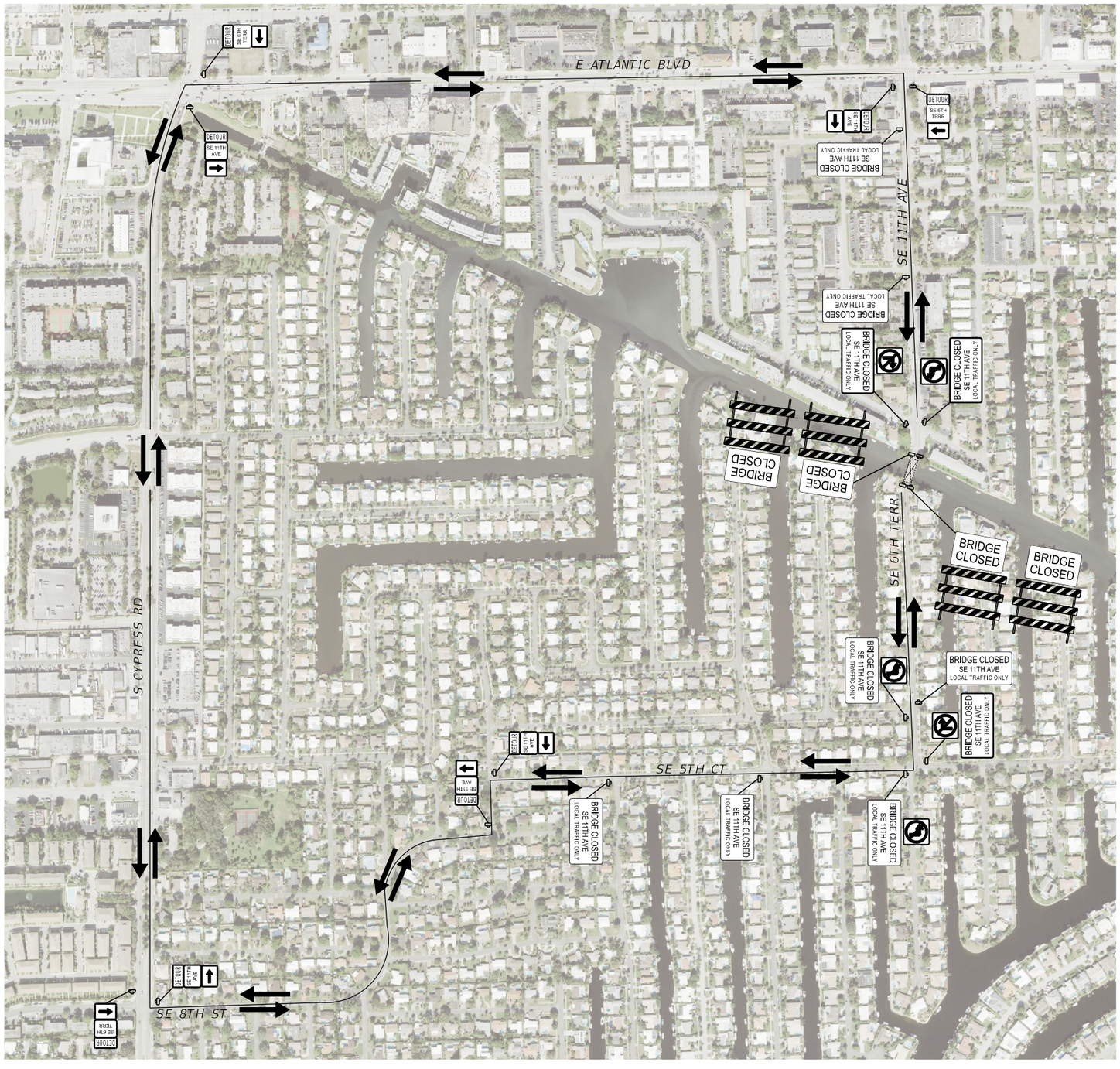

N

LEGEND

- WORK ZONE SIGN
- WORK ZONE
- DIRECTION OF TRAVEL

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KHA PROJECT	040985062
DATE	JULY 2025
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S.E. 6TH TERRACE BRIDGE REPLACEMENT

PREPARED FOR

CITY OF POMPANO BEACH

CITY OF POMPANO FLORIDA

LICENSED PROFESSIONAL

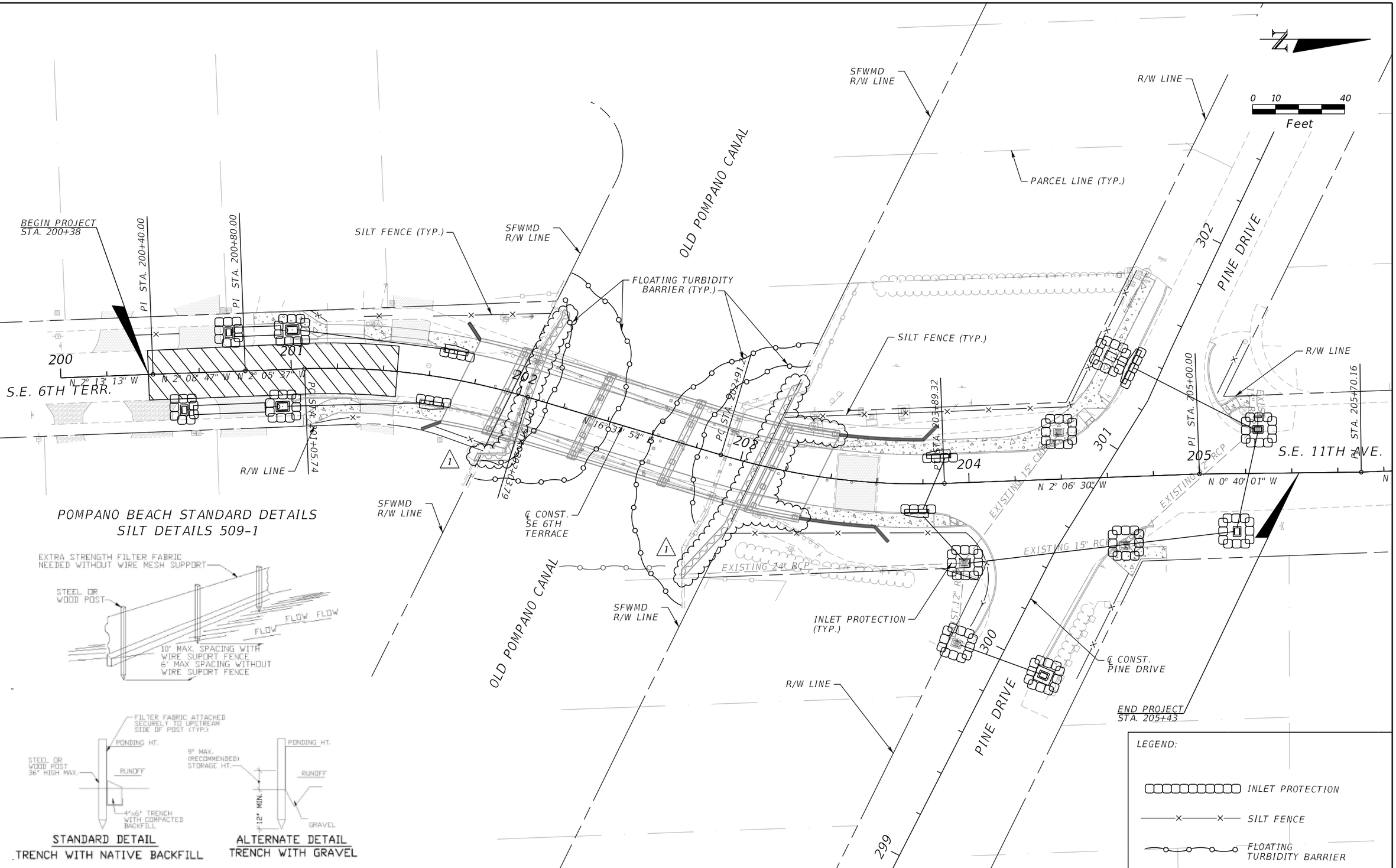
MATTHEW B. FURSETZER

FLORIDA LICENSE NUMBER 63997

DATE:

TRAFFIC CONTROL PLAN DETOUR

SHEET NUMBER 17



POMPANO BEACH STANDARD DETAILS
SILT DETAILS 509-1

STANDARD DETAIL
TRENCH WITH NATIVE BACKFILL

ALTERNATE DETAIL
TRENCH WITH GRAVEL

No.	REVISIONS	DATE	BY
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KHA PROJECT	040985062
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S.E. 6TH TERRACE BRIDGE REPLACEMENT
PREPARED FOR
CITY OF POMPANO BEACH
CITY OF POMPANO FLORIDA

LICENSED PROFESSIONAL
DEBORAH LYNN KNIGHTON
FLORIDA LICENSE NUMBER
43920
DATE:

EROSION AND SEDIMENT CONTROL PLAN

SHEET NUMBER
18

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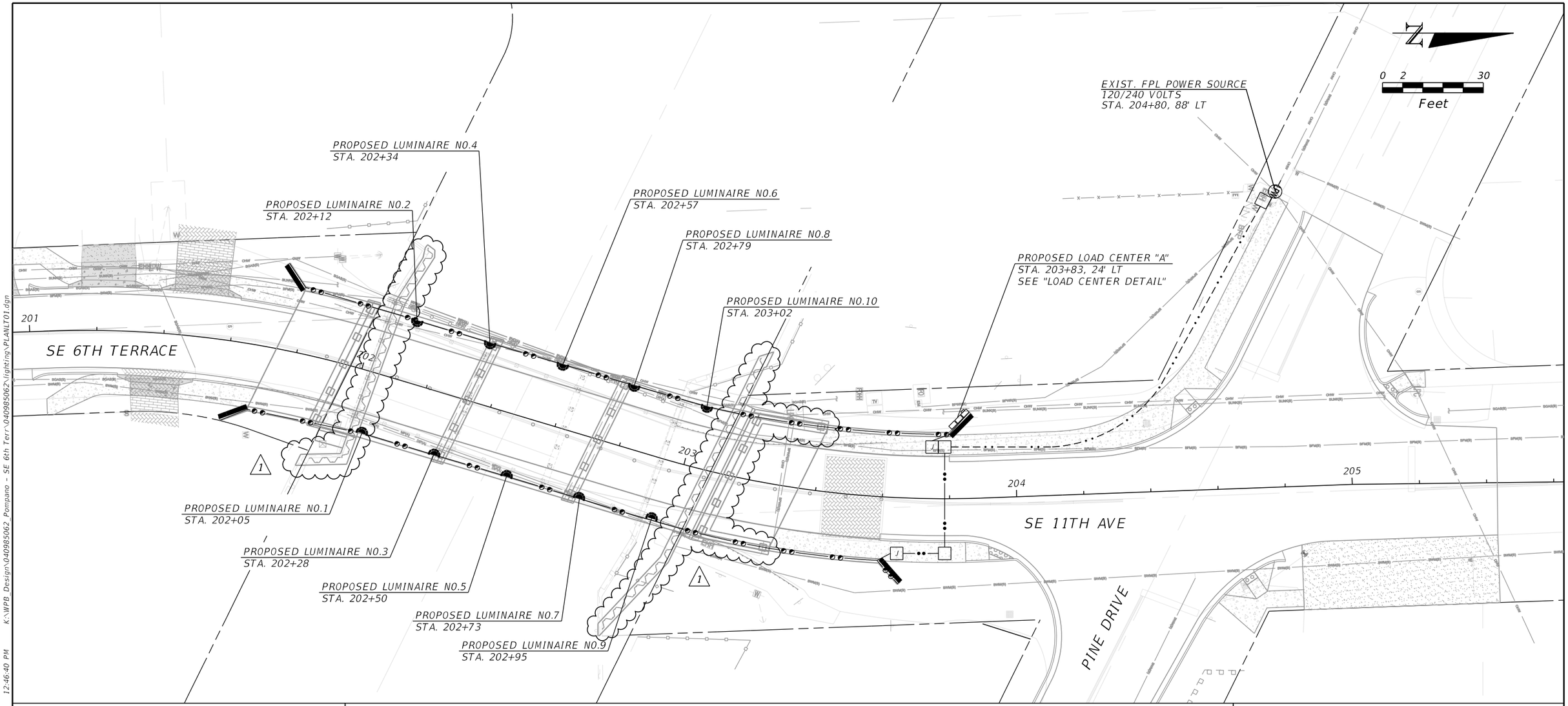
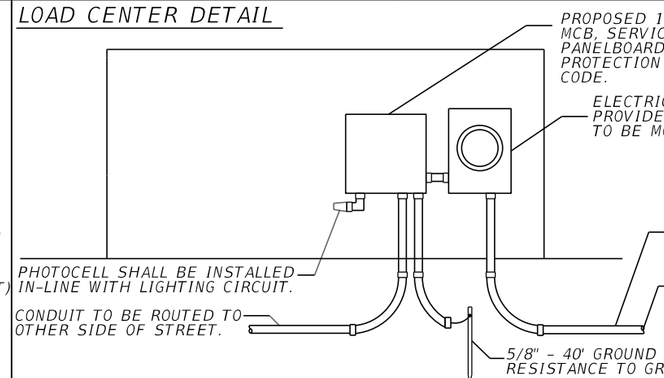


LEGEND

- BEGA 3320 LED 5.8 WATT LUMINAIRE USE BEGA LIGHTING CURVE 33020.IES OR APPROVED EQUAL. (10 EACH)
- LUCETTA ENCAPSULATED LINEAR LED
- PROPOSED LOAD CENTER (1 EACH)
- 2" EMBEDDED CONDUIT(440 LINEAR FEET) 2 #6 AWG, 1 #6 AWG GND
- 2" DIRECTIONAL BORE CONDUIT(70 LINEAR FEET) 2 #6 AWG, 1 #6 AWG GND
- 2" DIRECTIONAL BORE CONDUIT(130 LINEAR FEET) 2/0 WIRE SIZE
- PROPOSED PULLBOX (3 EACH)
- J PROPOSED JUNCTION BOX (2 EACH)

LOAD CENTER DETAIL



LOAD CENTER "A"

120/240V, SINGLE PHASE, 3 WIRE

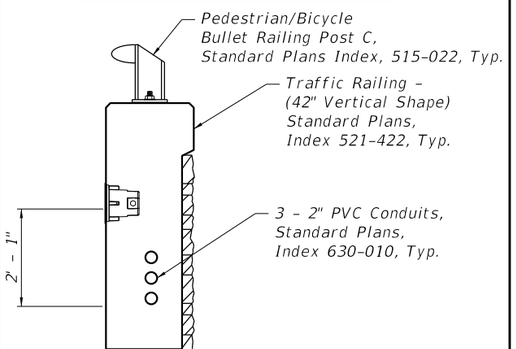
STA. 203+83, 24' LT

LOAD CENTER DESIGNATION	BREAKER SIZE	NO. OF CKTS.	DEMAND LOAD (AMPS)	DESIGN LOAD (AMPS)	CONDUCTOR SIZE
MAIN BREAKER	100 AMP				
A-1	20 AMP	1	5.2	6.4	6

TOTAL DEMAND LOAD: 0.62 KVA

TOTAL DESIGN LOAD: 0.77 KVA

BRIDGE LUMINAIRE DETAIL



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KHA PROJECT	040985062
DATE	JULY 2025
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S.E. 6TH TERRACE BRIDGE REPLACEMENT

PREPARED FOR

CITY OF POMPANO BEACH

CITY OF POMPANO FLORIDA

LICENSED PROFESSIONAL

MATTHEW B. FURSETZER

FLORIDA LICENSE NUMBER 63997

DATE:

LIGHTING PLAN

SHEET NUMBER 19

1

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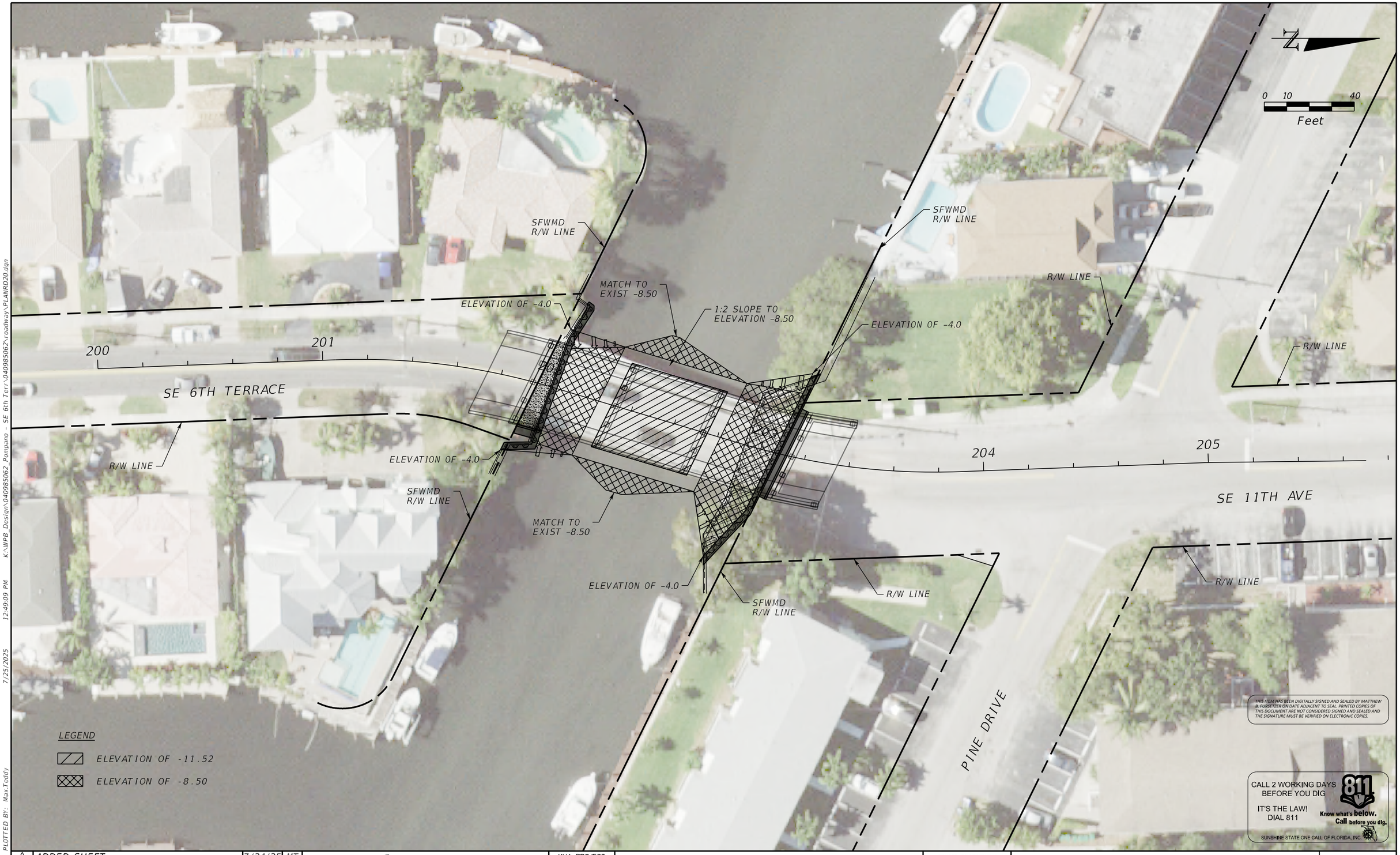

No.	REVISIONS	DATE	BY
1	ADDED SHEET	7/24/25	MT

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KHA PROJECT	040985062
DATE	JULY 2025
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S.E. 6TH TERRACE BRIDGE REPLACEMENT

PREPARED FOR

CITY OF POMPANO BEACH

CITY OF POMPANO FLORIDA

LICENSED PROFESSIONAL

MATTHEW B. FURSETZER

FLORIDA LICENSE NUMBER 63997

DATE:

DREDGING PLAN

SHEET NUMBER 20

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GENERAL NOTES:

1. CONTRACTOR SHALL MAINTAIN ACCESS TO PRIVATE PROPERTIES AT ALL TIMES.

2. CONTRACTOR TO ADHERE TO THE CITY OF POMPANO BEACH UTILITIES CONSTRUCTION STANDARDS.

3. HORIZONTAL CONTROL IS REFERENCED TO THE FLORIDA STATE PLANE COORDINATE SYSTEM, EAST ZONE, BASED ON THE NORTH AMERICAN DATUM OF 1983 (NAD 83). VERTICAL CONTROL IS REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88).

4. RECORD DRAWINGS USED FOR EXISTING FEATURES. RECORD DRAWINGS MAY BE OBTAINED FROM THE OWNER UPON REQUEST.

5. CONTRACTOR SHALL VERIFY FIELD CONDITIONS BEFORE COMMENCEMENT OF ANY CONSTRUCTION ACTIVITIES. CONTRACTOR SHALL VERIFY EXISTING ELEVATIONS AND DIMENSIONS WHERE NEW WORK WILL MATCH EXISTING. DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER FOR RESOLUTION PRIOR TO THE COMMENCEMENT OF WORK.

6. CONTRACTOR SHALL OBTAIN ALL THE NECESSARY PERMITS FROM THE APPROPRIATE AUTHORITIES, DEPARTMENTS, AND/OR AGENCIES HAVING JURISDICTION PRIOR TO COMMENCING WORK.

7. ALL PRACTICAL AND NECESSARY EFFORTS SHALL BE TAKEN DURING CONSTRUCTION TO PREVENT UNNECESSARY TREE REMOVAL AND/OR DAMAGE.

8. THE LOCATION OF EXISTING UTILITIES HAS BEEN PREPARED FROM THE MOST RELIABLE INFORMATION AVAILABLE TO THE ENGINEER. THE INFORMATION IS NOT GUARANTEED. THEREFORE THE CONTRACTOR SHALL VERIFY THE LOCATION AND ELEVATION OF ALL UTILITIES IN THE FIELD PRIOR TO THE START OF ANY CONSTRUCTION ACTIVITIES.

9. UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE SURVEY INFORMATION. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THEIR EXACT LOCATION AND TO AVOID DAMAGE TO THEM. THE CONTRACTOR SHALL CONTACT SUNSHINE 811 AT PHONE NUMBER 811 OR 1-800-432-4770 TO REQUEST UNDERGROUND UTILITY LOCATION MARK-OUT AT LEAST TWO (2) WORKING DAYS BUT NO MORE THAN TEN (10) WORKING DAYS PRIOR TO BEGINNING EXCAVATION, INCLUDING SOIL DRILLING. THE CONTRACTOR SHALL ALSO CONTACT AND REQUEST UTILITY LOCATION MARK-OUT FROM BURIED UTILITY OWNERS WITH UTILITIES ON THE PROJECT SITE THAT ARE NOT PARTICIPANTS OF SUNSHINE 811.

10. THE CONTRACTOR SHALL EXERCISE CAUTION WHEN WORKING IN OR AROUND EXISTING CITY-OWNED UTILITIES. THE CONTRACTOR SHALL NOTIFY THE CITY AT LEAST TWO BUSINESS DAYS IN ADVANCE OF ANY EXCAVATION WITHIN TEN FEET OF A CITY-OWNED UTILITY SO THAT A CITY REPRESENTATIVE MAY BE PRESENT.

11. CONTRACTOR SHALL TAKE CARE TO AVOID DAMAGE TO EXISTING PAVEMENT, STRUCTURES, AND UTILITIES THAT ARE NOT INDICATED TO BE DEMOLISHED OR REMOVED. ANY DAMAGE TO EXISTING PAVEMENT, STRUCTURES, AND UTILITIES NOT INDICATED TO BE DEMOLISHED OR REMOVED SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.

12. WHERE PROPOSED WORK IS IN THE VICINITY OF UTILITY POLES, SUCH THAT SUPPORT OF THE POLE(S) WILL BE REQUIRED, THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING THE UTILITY OF THE WORK. IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE WITH THE UTILITY FOR SUPPORT OF THE POLE.

13. DURING EXCAVATION AND PLACEMENT OF UTILITIES THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE SAFETY REGULATIONS AND SHALL SUBMIT TO THE ENGINEER FOR APPROVAL SHEET PILING, SHORING AND/OR BRACING DESIGNS AS MAY BE NECESSARY TO COMPLY WITH THESE REGULATIONS.

14. GROUNDWATER FROM ALL DEWATERING OPERATIONS SHALL BE DISCHARGED TO AN ENVIRONMENTALLY ACCEPTABLE LOCATION IN ACCORDANCE WITH THE CONTRACT DOCUMENTS, OR AS DIRECTED BY THE ENGINEER.

15. THE CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL DEBRIS GENERATED DURING THE PROJECT OFF SITE AT A PROPERLY PERMITTED DISPOSAL FACILITY.

16. THE CONTRACTOR IS REQUIRED TO OBTAIN WRITTEN APPROVAL FROM THE ENGINEER FOR ANY DEVIATIONS FROM THE PLANS AND/OR SPECIFICATIONS.

17. THE UNDERGROUND CONTRACTOR SHALL MINIMIZE THE WORK AREA AND WIDTH OF TRENCHES TO AVOID DISTURBANCES OF NATURAL VEGETATION. SPOIL FROM TRENCHES SHALL BE PLACED ONLY ON PREVIOUSLY CLEARED AREAS, EXISTING RIGHT-OF-WAY OR APPROVED EASEMENT. THE CONTRACTOR SHALL NOT REMOVE OR DISTURB ANY TREES OR SHRUBS WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

18. ALL RESTORATION SHALL CONFORM TO THE STANDARDS AND REQUIREMENTS OF THE AGENCIES HAVING JURISDICTION OVER THE RIGHT-OF-WAY WHERE THE PROJECT IS CONSTRUCTED.

19. ALL LOOP DETECTORS, COMMUNICATION CABLES AND CONDUITS, IF DAMAGED BY THE CONTRACTOR'S ACTIVITIES, SHALL BE REPAIRED AND/OR REPLACED IN ACCORDANCE WITH BCTED AND FDOT REQUIREMENTS.

20. PIPING, FITTINGS, AND APPURTENANCES FOR DUCTILE IRON PIPE AND C900 PVC SHALL BE RESTRAINED JOINT AS SPECIFIED.

21. NO CONNECTIONS FOR THE PURPOSE OF OBTAINING WATER SUPPLY DURING CONSTRUCTION SHALL BE MADE TO ANY FIRE HYDRANT OR BLOW-OFF STRUCTURE WITHOUT FIRST OBTAINING PERMISSION AND A CONSTRUCTION METER FROM THE CITY OF POMPANO BEACH.

22. THE CONTRACTOR WILL BE RESPONSIBLE FOR LOCATING, MOVING AND RELOCATING OR REPLACING ALL WATER SERVICES OR SEWER LATERALS WHICH ARE ENCOUNTERED DURING EXCAVATION. THE CONTRACTOR SHALL SUBMIT A WRITTEN PLAN FOR WATER SERVICE AND WASTEWATER SERVICE DISRUPTION FOR APPROVAL 7 (SEVEN) CALENDAR DAYS PRIOR TO THE ANTICIPATED DISRUPTION. THE CONTRACTOR SHALL NOTIFY THE PROPERTY OWNERS 48 HOURS IN ADVANCE OF ANY WORK ON THEIR SERVICES. THIS WORK SHALL BE CONSIDERED INCIDENTAL.

23. THE CONTRACTOR MUST INFORM THE CITY AT LEAST 48-HOURS IN ADVANCE OF CONSTRUCTION, IN WRITING IF ANY CONFLICT IS DISCOVERED DURING POT HOLE OPERATIONS FOR CLARIFICATION BY THE CITY.

24. IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO NOTIFY THE UTILITIES DEPARTMENT OF THE CITY OF POMPANO BEACH AT LEAST TWO (2) BUSINESS DAYS IN ADVANCE TO COORDINATE ANY ACTIVITY TO BE PERFORMED BY THE CITY'S UTILITIES DEPARTMENT.

25. ALL WORK WITHIN STATE DEPARTMENT OF TRANSPORTATION (FDOT) RIGHT-OF-WAYS SHALL BE IN CONFORMANCE WITH FDOT SPECIFICATIONS AND PERMIT REQUIREMENTS.

26. ALL WORK WITHIN CITY RIGHT-OF-WAYS SHALL BE IN CONFORMANCE WITH THE CITY MINIMUM STANDARDS AND/OR REQUIREMENTS.

27. CONTRACTOR SHALL COMPLY WITH ALL LOCAL CITY, COUNTY AND STATE REGULATIONS PERTAINING TO THE CLOSING OF PUBLIC STREETS FOR USE OF TRAFFIC DURING CONSTRUCTION.

28. CONTRACTOR SHALL PREPARE AND SUBMIT MAINTENANCE OF TRAFFIC (MOT) PLANS TO FDOT, CITY OF POMPANO BEACH, BROWARD COUNTY AS REQUIRED FOR WORK TO BE DONE WITHIN THEIR R/W PRIOR TO COMMENCEMENT OF WORK. SPECIFIC AGENCY MOT REQUIREMENTS ARE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.

29. CONTRACTOR SHALL SUBMIT MOT PLANS FOR APPROVAL BY THE CITY WHEN WORKING WITHIN THE PUBLIC RIGHT-OF-WAY.

30. STATIONS SHOWN ON THE DRAWINGS ARE BASED ON THE ESTABLISHED BASELINE AND SHALL NOT BE CONSIDERED AS DISTANCES OR AS A MEASURE OF THE LINEAR FOOTAGE OF PIPE TO BE INSTALLED.

31. ALL OPEN TRENCHES AND HOLES ADJACENT TO ROADWAY OR WALKWAY SHALL BE PROPERLY MARKED AND BARRICADED TO ASSURE THE SAFETY OF BOTH VEHICULAR AND PEDESTRIAN TRAFFIC.

32. TRENCHES OR HOLES NEAR WALKWAYS, IN ROADWAYS OR THEIR SHOULDERS SHALL NOT BE LEFT OPEN DURING NIGHT TIME HOURS WITHOUT ADEQUATE PROTECTION.

33. CONTRACTOR SHALL PROMPTLY REPAIR AND RESTORE EXISTING PAVEMENT, SIDEWALKS, CURBS, DRIVEWAYS, PIPES, RESIDENTIAL AND COMMERCIAL SPRINKLER LINES, CONDUIT, CABLES, ETC. AND LANDSCAPE AREAS DAMAGED AS A RESULT OF CONSTRUCTION ACTIVITIES.

34. CONTRACTOR SHALL PROVIDE TEMPORARY FENCING AS REQUIRED BY AGENCIES HAVING JURISDICTION OVER THE PROJECT AND/OR WHEN REQUIRED FOR PUBLIC SAFETY.

35. THE CONTRACTOR SHALL BE RESPONSIBLE AT ALL TIMES THROUGHOUT THE DURATION OF CONSTRUCTION AND UNTIL ACCEPTANCE OF WORK, FOR THE PROTECTION OF EXISTING AND NEWLY INSTALLED UTILITIES FROM DAMAGE OR DISRUPTION OF SERVICE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TAKING SUCH MEASURES AS NECESSARY TO PROTECT THE HEALTH, SAFETY AND WELFARE OF THOSE PERSONS HAVING ACCESS TO THE WORK SITE.

36. LOCATION OF AIR RELEASE VALVES MAY BE FIELD ADJUSTED BY THE ENGINEER OR CITY OF POMPANO BEACH AS NECESSARY.

37. CONTRACTOR SHALL ADJUST TO GRADE ALL EXISTING UTILITY CASTINGS INCLUDING VALVE BOXES, MANHOLES, HAND HOLES, PULL BOXES, INLETS AND SIMILAR STRUCTURES IN CONSTRUCTION AREA TO BE OVERLAYED WITH ASPHALT.

38. CONTRACTOR SHALL RESTORE EXISTING PAVEMENT AND PAVEMENT MARKINGS/SIGNAGE TO ORIGINAL PRE-CONSTRUCTION CONDITION OR AS OTHERWISE SPECIFIED IN CONTRACT DOCUMENTS. THIS WORK SHALL BE CONSIDERED INCIDENTAL.

39. THE CONTRACTOR SHALL SUBMIT ALL REQUIRED SHOP DRAWINGS FOR CITY APPROVAL PRIOR TO ORDERING MATERIALS AND INSTALLATION.

40. EXISTING GAS MAINS SHALL BE IDENTIFIED BY THE APPROPRIATE UTILITY, PRIOR TO START OF CONSTRUCTION.

41. THE PHASING WORK WILL REQUIRE PARTIAL CERTIFICATION PRIOR TO ACCEPTANCE AND PUTTING INTO SERVICE. PARTIAL CERTIFICATION OF COMPLETION WILL INCLUDE DEP CERTIFICATION FORMS, BC ADDENDUMS, PRESSURE TEST REPORTS, AND AS-BUILTS.

42. THE WATER SYSTEM SHALL BE CLEANED OF DEBRIS, FLUSHED AND TESTED FOR A PERIOD OF NOT LESS THAN 2 HOURS AT A MINIMUM STARTING PRESSURE OF 130 PSI WITH AN ALLOWABLE LEAKAGE NOT TO EXCEED THE ALLOWABLE GAL/HR IN ACCORDANCE WITH THE ANSI/AWWA C-600-05 STANDARD SECTION 4.2.2.

$$\text{(EQUATION } Q = \frac{LD\sqrt{P}}{148{,}000}\text{)}$$

Q = ALLOWABLE LEAKAGE, GALLONS/HOUR
L = LENGTH OF PIPE TESTED, FEET
D = NOMINAL DIAMETER, INCHES
P = AVERAGE TEST PRESSURE, LB/IN GAUGE

UTILITY CONTACTS:

TECO PEOPLES GAS
5101 NW 21ST AVENUE
FORT LAUDERDALE, FL 33309
PHONE: (954)453-0794
CONTACT: DAVID RIVERA

FLORIDA POWER & LIGHT COMPANY (FPL)
7201 CYPRESS ROAD. CSF-CB
PLANTATION, FL 33317
PHONE: (954)717-1430
CONTACT: NOAH SHERBACOFF

AT&T FLORIDA
8601 WEST SUNRISE BOULEVARD
PLANTATION, FL 33322
PHONE: (305)428-05010
CONTACT: OTIS T. KEEVE

CITY OF POMPANO BEACH PUBLIC WORKS
1201 N.E. 5TH AVENUE
POMPANO BEACH, FL 33060
PHONE: (954)786-4061
CONTACT: ROBERT MCLAUGHAN

CITY OF POMPANO BEACH UTILITIES
100 W. ATLANTIC AVENUE
POMPANO BEACH, FL 33060
PHONE: (954)545-7043
CONTACT: A. RANDOLPH BROWN

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PHONE: 561-845-0665 FAX: 561-863-8175
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

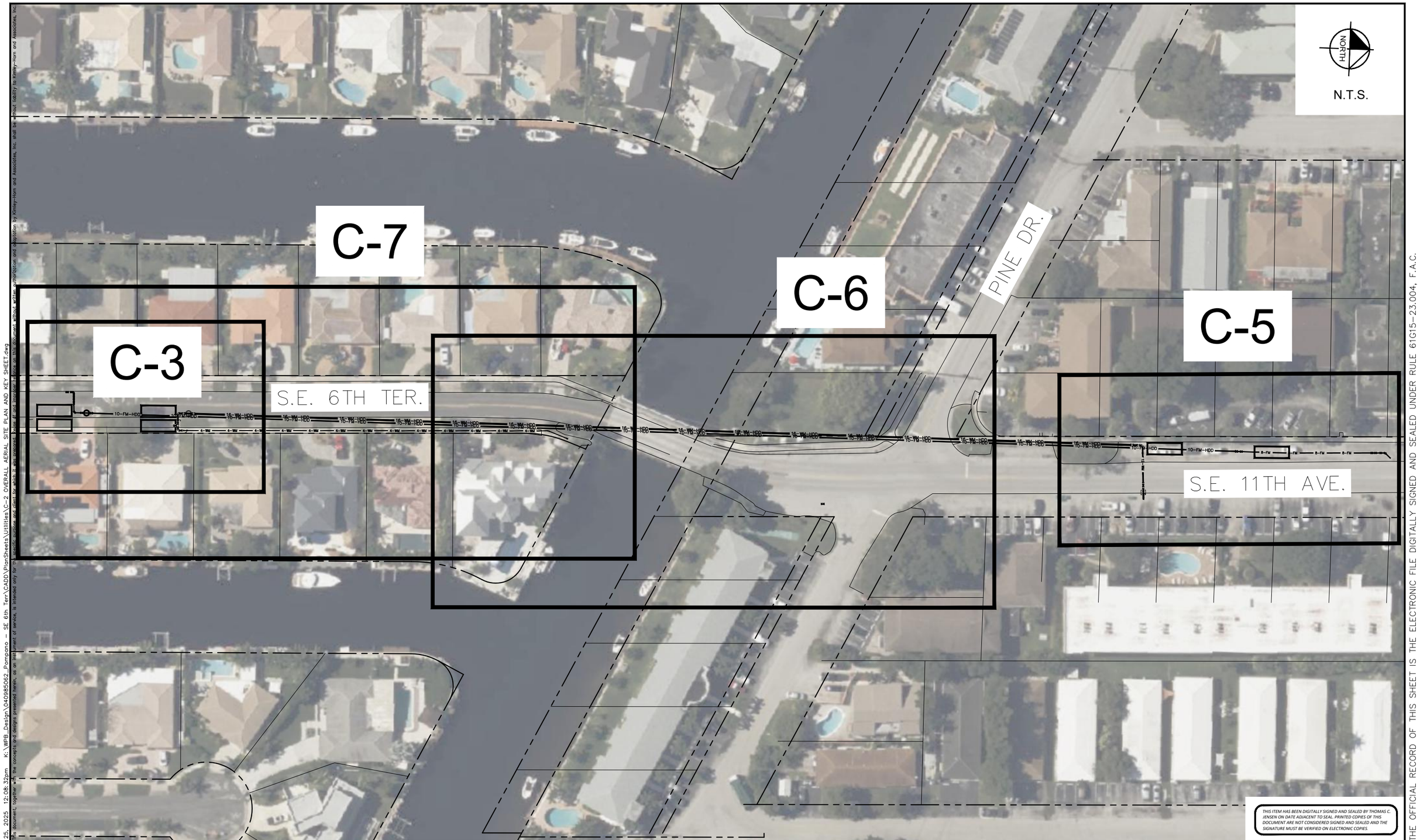
KHA PROJECT	040985062
DATE	JULY 2025
SCALE	AS SHOWN
DESIGNED BY	MJM
DRAWN BY	MJM
CHECKED BY	TCJ

S.E. 6TH TERRACE BRIDGE REPLACEMENT
PREPARED FOR
CITY OF POMPANO BEACH
CITY OF POMPANO FLORIDA

LICENSED PROFESSIONAL
THOMAS C. JENSEN
FLORIDA LICENSE NUMBER
37290
DATE: _____

UTILITY GENERAL NOTES

SHEET NUMBER
C-1



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S.E. 6TH TERRACE BRIDGE REPLACEMENT

PREPARED FOR

CITY OF POMPANO BEACH

CITY OF POMPANO FLORIDA

LICENSED PROFESSIONAL

THOMAS C. JENSEN

FLORIDA LICENSE NUMBER 37290

DATE: ____

OVERALL AERIAL SITE PLAN AND KEY SHEET

SHEET NUMBER

C-2

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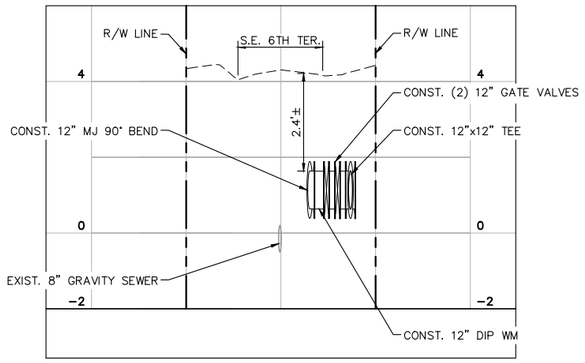
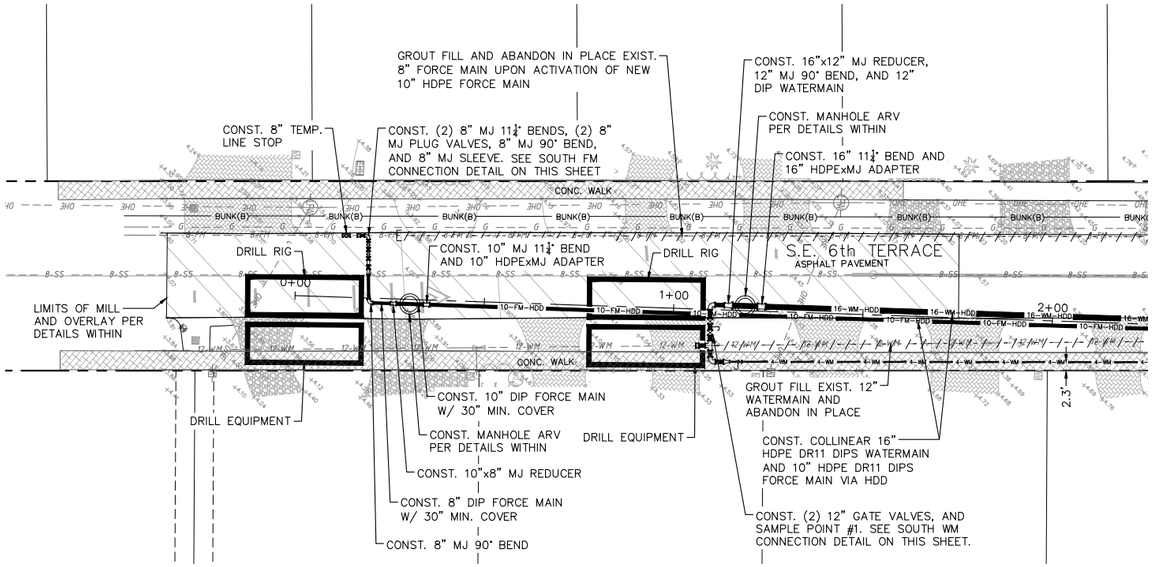
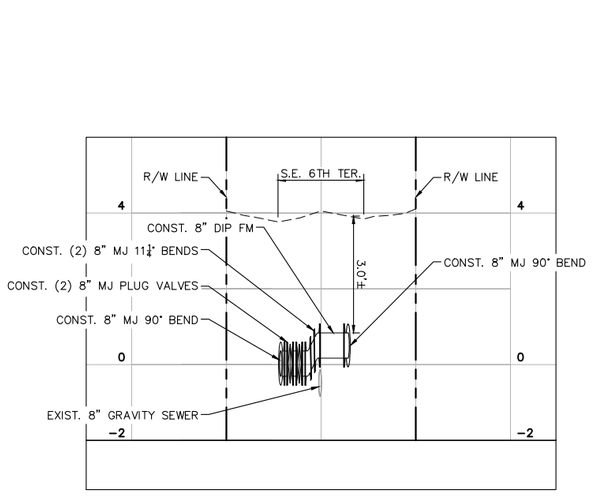


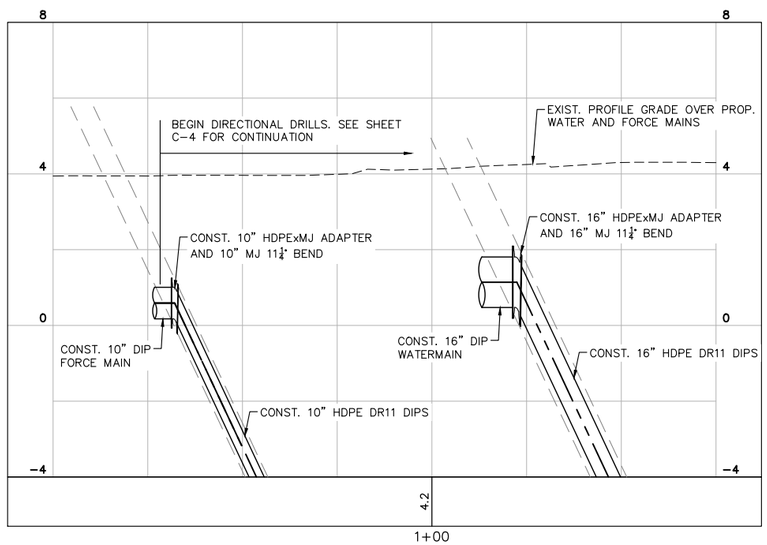
SOUTH WATERMAIN CONNECTION DETAIL



PLAN



SOUTH FORCE MAIN CONNECTION DETAIL



PARTIAL PROFILE

NOTES:
1. PROPOSED GATE VALVES SHALL BE RESILIENT SEATED.
2. PROPOSED DIP FORCE MAINS MUST BE PROTECTO 401 COATED.
3. ~~PROPOSED WATERMAIN TAPPING SERVICES MUST BE DIP MECHANICAL JOINT TAPPING SLEEVES.~~
4. ~~ALL EXISTING WATER SERVICES TO REMAIN ON EXISTING WATERMAIN.~~

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NORTH

GRAPHIC SCALE IN FEET
0 10 20 40
HORIZONTAL
0 1 2 4
VERTICAL

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1	UPDATED NOTES	5/28/25	MJM

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KHA PROJECT	040985062
DATE	JULY 2025
SCALE	AS SHOWN
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DRAWN BY	MJM
CHECKED BY	TCJ

S.E. 6TH TERRACE BRIDGE REPLACEMENT

PREPARED FOR
CITY OF POMPANO BEACH
CITY OF POMPANO FLORIDA

LICENSED PROFESSIONAL
THOMAS C. JENSEN
FLORIDA LICENSE NUMBER
37290
DATE: ____

WATER AND FORCE MAIN PLAN AND PROFILE

SHEET NUMBER
C-3

Plotted By: Teddy, Max July 25, 2025 12:08:42pm K:\WPB_Design\040985062_Pompano - SE 6th Terr\CADD\PlanSheets\Utilities\C-3 WATER AND FORCE MAIN PLAN AND PROFILE.dwg
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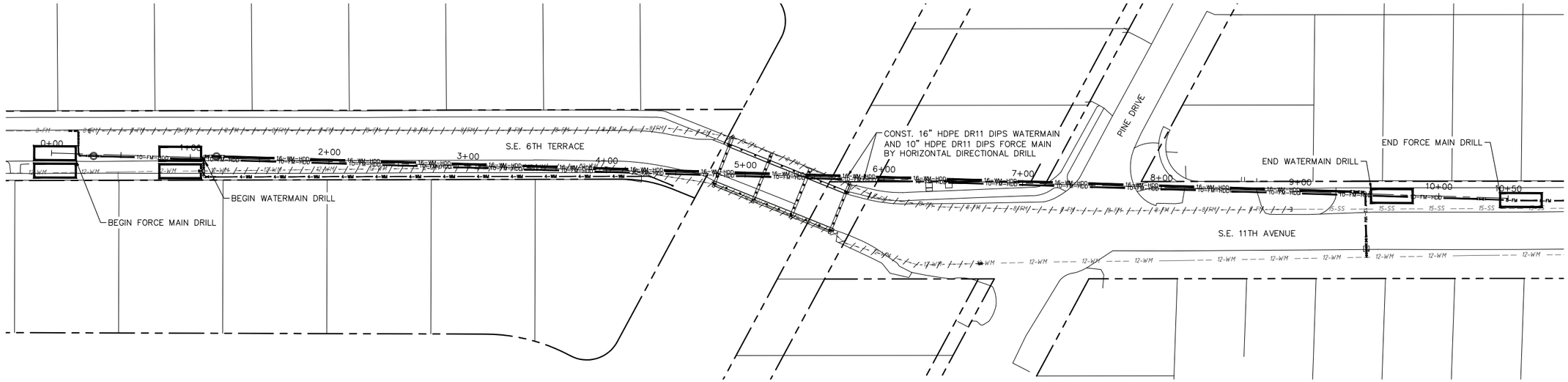
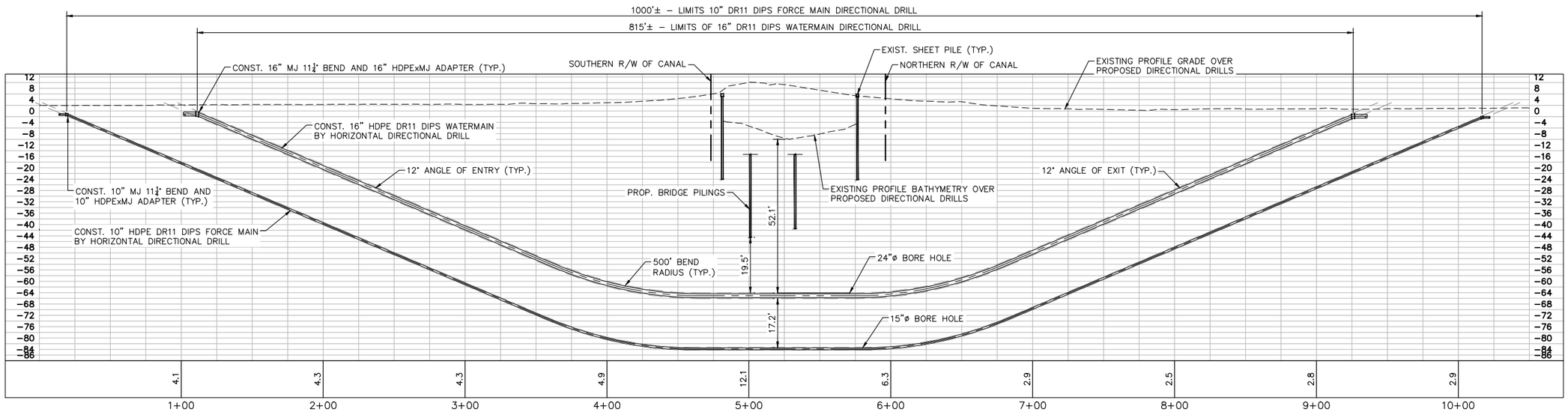


PLAN



PROFILE

NORTH

GRAPHIC SCALE IN FEET
0 20 40 80
HORIZONTAL

0 10 20 40
VERTICAL

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S.E. 6TH TERRACE BRIDGE REPLACEMENT

PREPARED FOR
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CITY OF POMPANO FLORIDA

LICENSED PROFESSIONAL
THOMAS C. JENSEN
FLORIDA LICENSE NUMBER
37290
DATE: _____

OVERALL WATER AND FORCE MAIN PLAN AND PROFILE

SHEET NUMBER
C-4

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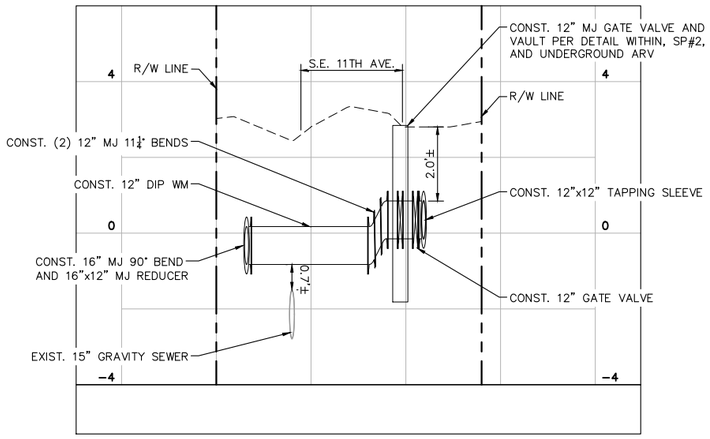
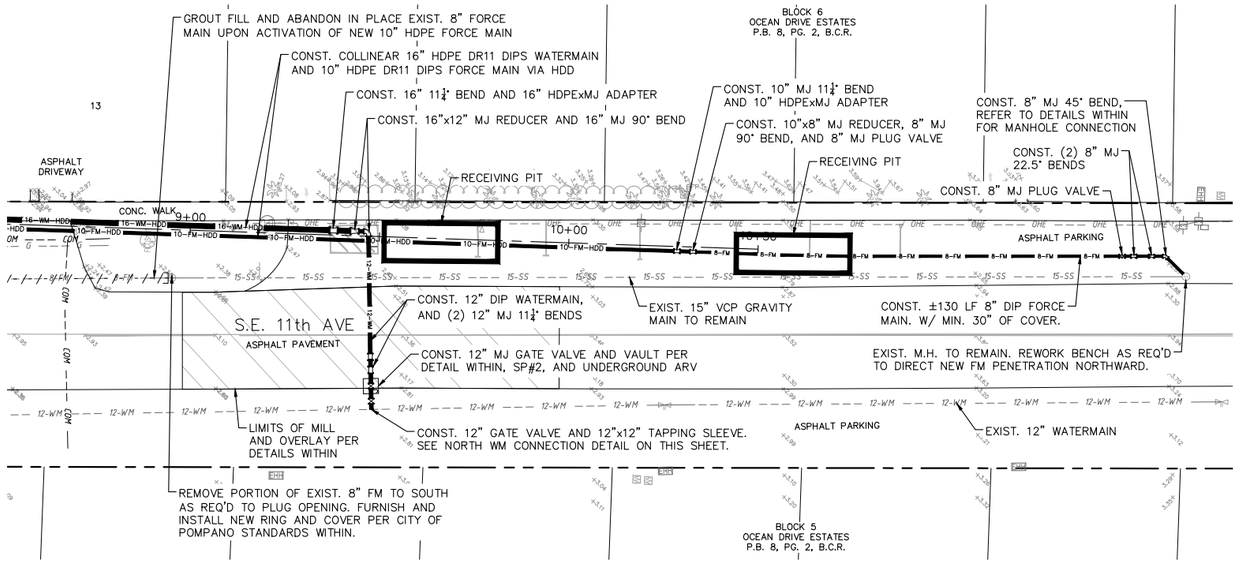
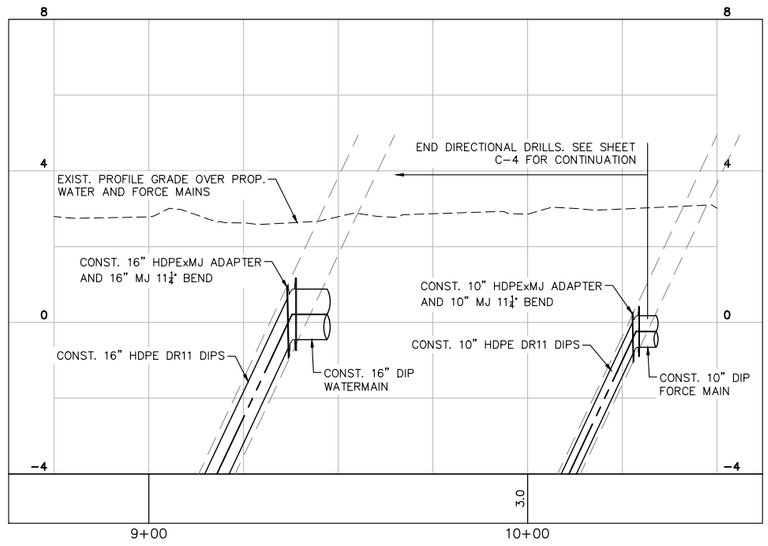


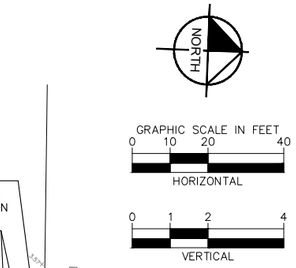
NORTH WATERMAIN CONNECTION DETAIL



PLAN



PARTIAL PROFILE



NOTES:
1. PROPOSED GATE VALVES SHALL BE RESILIENT SEATED.
2. PROPOSED DIP FORCE MAINS MUST BE PROTECTO 401 COATED.
3. PROPOSED WATERMAIN TAPPING SLEEVES MUST BE DIP MECHANICAL JOINT TAPPING SLEEVES.
4. ALL EXISTING WATER SERVICES TO REMAIN ON EXISTING WATERMAIN.
5. EXISTING SEWER MANHOLE PENETRATED FOR FORCE MAIN MUST BE SEWPER COATED TO CITY SPECIFICATION.

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PHONE: 561-845-0665 FAX: 561-863-8175
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

KHA PROJECT	040985062
DATE	JULY 2025
SCALE	AS SHOWN
DESIGNED BY	MJM
DRAWN BY	MJM
CHECKED BY	TCJ

S.E. 6TH TERRACE BRIDGE REPLACEMENT

PREPARED FOR

CITY OF POMPANO BEACH

CITY OF POMPANO FLORIDA

LICENSED PROFESSIONAL

THOMAS C. JENSEN

FLORIDA LICENSE NUMBER 37290

DATE: ____

WATER AND FORCE MAIN PLAN AND PROFILE

SHEET NUMBER

C-5

Plotted By: Teddy, Max July 25, 2025 12:09:11pm K:\WPB_Design\040985062_Pompano – SE 6th Terr\CADD\PlanSheets\Utilities\C-3 WATER AND FORCE MAIN PLAN AND PROFILE.dwg
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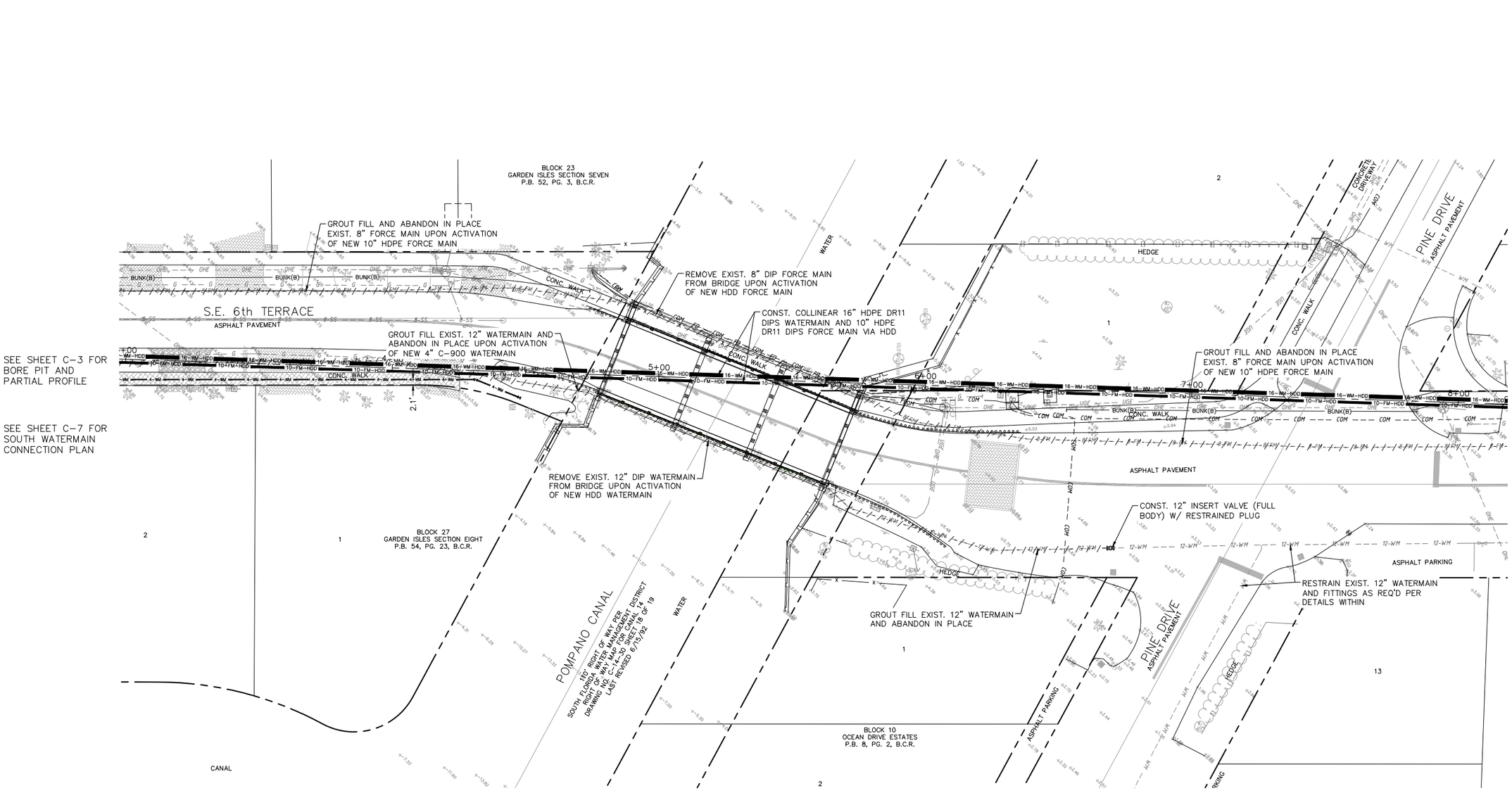

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PREPARED FOR

CITY OF POMPANO BEACH

CITY OF POMPANO FLORIDA

LICENSED PROFESSIONAL

THOMAS C. JENSEN

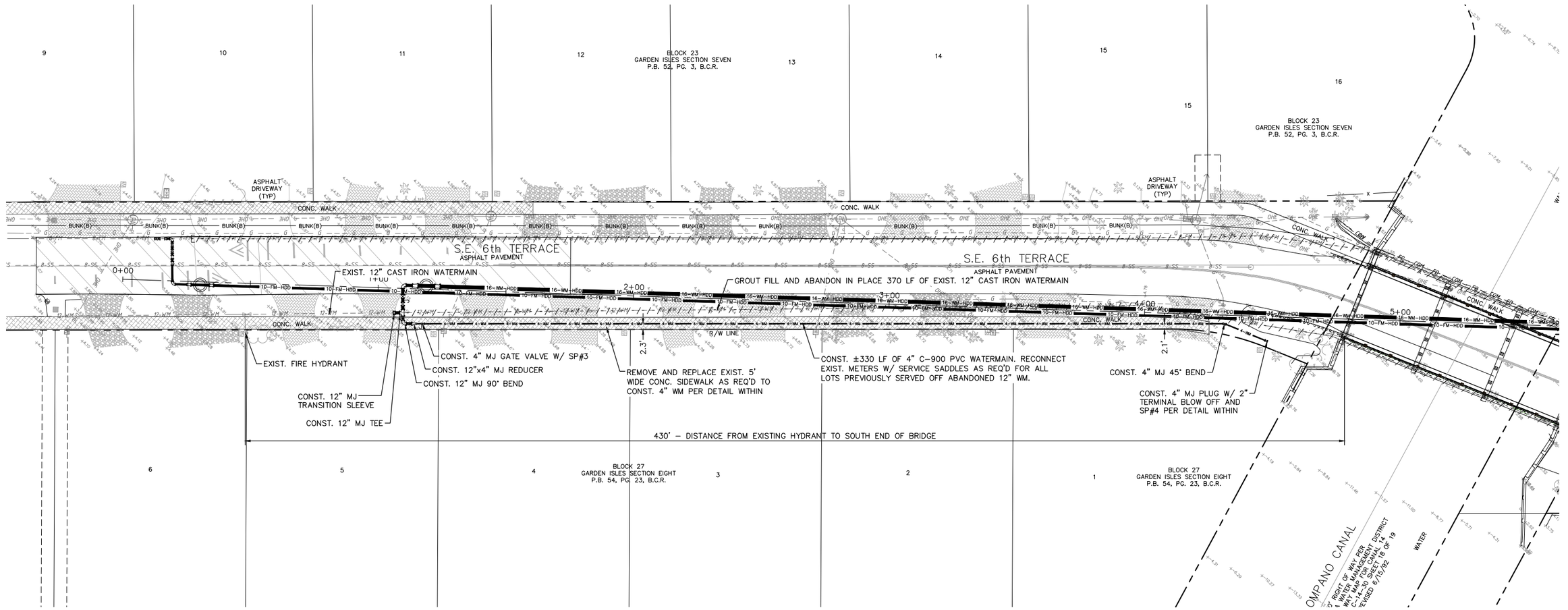
FLORIDA LICENSE NUMBER 37290

DATE: ____

WATERMAIN CONNECTION PLAN

SHEET NUMBER

C-6



NOTES:
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S.E. 6TH TERRACE BRIDGE REPLACEMENT

PREPARED FOR

CITY OF POMPANO BEACH

CITY OF POMPANO FLORIDA

LICENSED PROFESSIONAL

THOMAS C. JENSEN

FLORIDA LICENSE NUMBER 37290

DATE: _____

SOUTH WATERMAIN CONNECTION PLAN

SHEET NUMBER C-7

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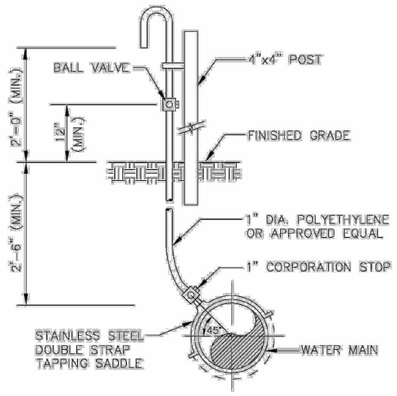
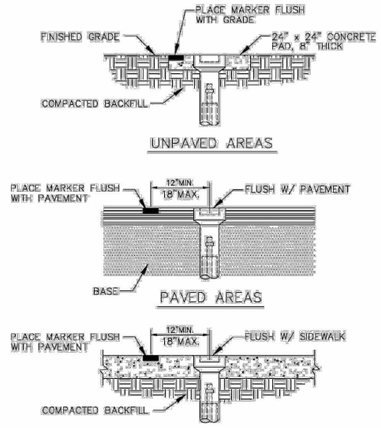


SAMPLE POINT (MAIN)

ALL D.I.P. TO BE PAINTED BLUE ON TOP HALF OF PIPE.

ENGINEERING STANDARDS 2025

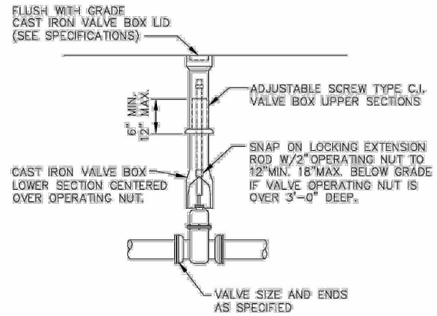
REVISIONS BY	DATE	ENGINEERING DIVISION CITY OF POMPANO BEACH	SAMPLE POINT (MAIN)
S.S.	04-2005		DATE: MAY 2022
		SCALE: N.T.S.	DWG. NO. 100-1



VALVE BOX SETTINGS

ENGINEERING STANDARDS 2025

REVISIONS BY	DATE	ENGINEERING DIVISION CITY OF POMPANO BEACH	VALVE BOX SETTINGS
S.S.	04-2005		DATE: MAY 2022
		SCALE: N.T.S.	DWG. NO. 102-1



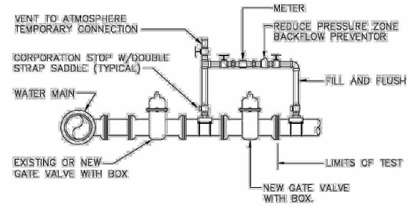
GATE OR PLUG VALVE SETTING

USE MEGALUGS AT ALL PIPE JOINTS

ALL D.I.P. TO BE PAINTED BLUE ON TOP HALF OF PIPE.

ENGINEERING STANDARDS 2025

REVISIONS BY	DATE	ENGINEERING DIVISION CITY OF POMPANO BEACH	GATE OR PLUG VALVE SETTINGS
S.S.	04-2005		DATE: MAY 2022
T.W.	11-2007	SCALE: N.T.S.	DWG. NO. 103-1



METHOD "B"

NOTES:

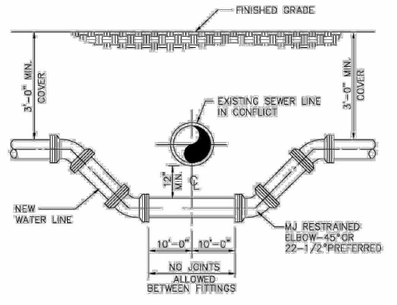
1. WATER MAIN TO BE PRESSURE TESTED AND DISINFECTED ACCORDING TO BROWARD COUNTY PUBLIC HEALTH UNIT REGULATIONS, AWWA, AND MUNICIPAL SPECIFICATIONS IN EFFECT.
2. BACTERIOLOGICAL TESTS ARE TO BE PERFORMED BY THE CONTRACTOR AND AN APPROVED TESTING LABORATORY.
3. REMOVE TEMPORARY CONNECTION AT SADDLE ON NEW MAINS AFTER FILLING AND FLUSHING HAS BEEN COMPLETED AND REPLACE WITH BRASS PLUG
4. PROVIDE ALL NECESSARY THRUST BLOCKS OR OTHER RESTRAINTS.
5. FILLING AND FLUSHING LOCATIONS SHALL BE COORDINATED BY THE CONTRACTOR, ENGINEER, AND CITY.
6. VENT TO ATMOSPHERE SHALL REMAIN OPEN DURING ALL PHASES OF PRESSURE TESTING.
7. AFTER COMPLETION FILL AND FLUSH CONNECTION
8. USE MEGALUGS AT ALL PIPE JOINTS

FILLING AND FLUSHING CONNECTION

ALL D.I.P. TO BE PAINTED BLUE ON TOP HALF OF PIPE.

ENGINEERING STANDARDS 2025

REVISIONS BY	DATE	ENGINEERING DIVISION CITY OF POMPANO BEACH	FILLING / FLUSHING CONNECTION
S.S.	04-2005		DATE: MAY 2022
T.W.	11-2007	SCALE: N.T.S.	DWG. NO. 104-1
S.S.	01-2012		



NOTES

WHERE CONDITIONS PERMIT, PIPE DEFLECTION MAY BE USED INSTEAD OF BENDS TO OBTAIN THE MINIMUM CLEARANCE. FACTORY OFFSETS MAY BE USED.

TYPICAL CONFLICT DETAIL

USE MEGALUGS AT ALL PIPE JOINTS.

ALL D.I.P. TO BE PAINTED BLUE ON TOP HALF OF PIPE.

ENGINEERING STANDARDS 2025

REVISIONS BY	DATE	ENGINEERING DIVISION CITY OF POMPANO BEACH	TYPICAL CONFLICT (WATER)
S.S.	04-2005		DATE: MAY 2022
		SCALE: N.T.S.	DWG. NO. 108-1

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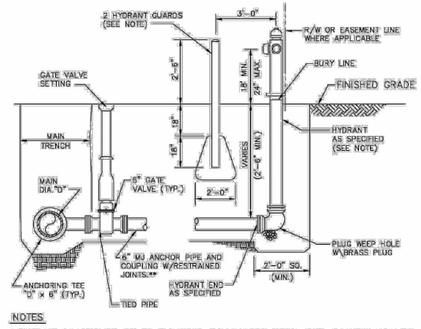


NOTES

HYDRANT GUARDS TO BE 6" DIAMETER GALVANIZED STEEL PIPE PAINTED YELLOW FILLED WITH CONCRETE. OMIT GUARDS IN LOCATIONS WHERE SIDEWALKS EXIST.

**USE 2-3/4" S.S. TIE RODS WHEN DISTANCE BETWEEN MAIN AND HYDRANT < 10'. TIE RODS WILL BE USED W/RESTRAINED JOINTS OR USE MEGALUGS AT ALL PIPE JOINTS

HYDRANTS INSTALLED ON EXISTING WATER MAINS MUST USE A MUELLER MJ DI TAPPING SLEEVE, H-615 OR APPROVED EQUAL.

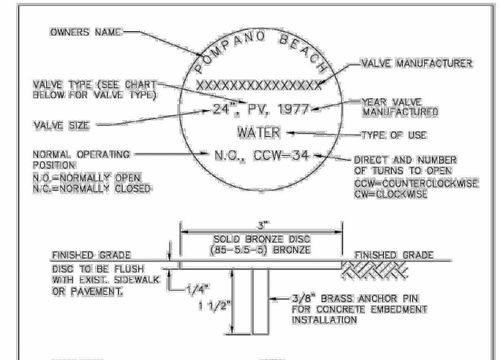
HYDRANTS CONNECTED TO NEW MAINS SHALL BE CONNECTED USING A HYDRANT TEE.

ALL POMPANO BEACH HYDRANTS SHALL BE PAINTED RED.

TYPICAL FIRE HYDRANT ASSEMBLY

ENGINEERING STANDARDS 2025

REVISIONS BY	DATE	ENGINEERING DIVISION CITY OF POMPANO BEACH	FIRE HYDRANT ASSEMBLY
T.W.	11-2007		DATE: MAY 2022
T.W.	10-2010	SCALE: N.T.S.	DWG. NO. 109-1
S.S.	2-2012		
S.S.	11-2012		



VALVE TYPES

BALL VALVE--BALLY
RESILIENT WEDGE GATE VALVE--RWGV
BUTTERFLY VALVE---BV
PLUG VALVE---PV

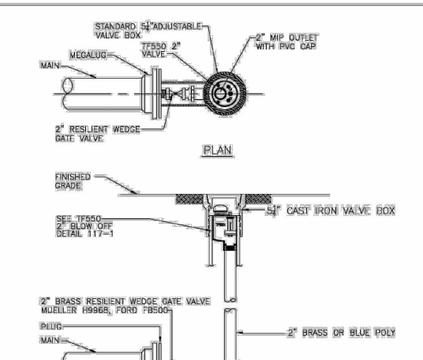
NOTES:

1. VALVE INFORMATION TO BE TRIPLE ENGRAVED INTO TOP SURFACE WITH 1/4" CAPITAL LETTERS.
2. ENTIRE MARKER TO BE COATED WITH CLEAR EPOXY TO PREVENT TARNISHING.
3. VALVE INFORMATION TO BE APPROVED BY CITY OF POMPANO BEACH UTILITIES DEPARTMENT.
4. MARKERS SHALL BE MANUFACTURED BY RG WRENCH, OR APPROVED EQUAL

UNDERGROUND VALVE IDENTIFICATION MARKER

ENGINEERING STANDARDS 2025

REVISIONS BY	DATE	ENGINEERING DIVISION CITY OF POMPANO BEACH	UNDERGROUND VALVE IDENTIFICATION MARKER
S.S.	JUNE 2005		DATE: FEB. 2022
T.W.	11-2007	SCALE: N.T.S.	DWG. NO. 115-1
T.W.	02-2008		
S.S.	1-24-12		



NOTES:

1. ONLY BRASS OR BLUE POLY PIPING AND FITTINGS SHALL BE USED.
2. JOINT RESTRAINTS TO BE INSTALLED MIN. TWO JOINTS BEFORE DEAD END.

TYPICAL 2" TERMINAL BLOW OFF

USE MEGALUGS AT ALL PIPE JOINTS

ALL D.I.P. TO BE PAINTED BLUE ON TOP HALF OF PIPE.

ENGINEERING STANDARDS 2025

REVISIONS BY	DATE	ENGINEERING DIVISION CITY OF POMPANO BEACH	TYPICAL 2" TERMINAL BLOW OFF
S.S.	JUNE 2005		DATE: MAY 2022
T.W.	11-2007	SCALE: N.T.S.	DWG. NO. 116-1
T.W.	07-2008		

No.	REVISIONS	DATE	BY
1	UPDATED ALL STANDARD DETAILS TO 2025	7/24/25	MT

Kimley»Horn

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PHONE: 561-845-0665 FAX: 561-863-8175
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

KHA PROJECT	040985062
DATE	JULY 2025
SCALE	AS SHOWN
DESIGNED BY	MJM
DRAWN BY	MJM
CHECKED BY	TCJ

S.E. 6TH TERRACE BRIDGE REPLACEMENT

PREPARED FOR

CITY OF POMPANO BEACH

CITY OF POMPANO FLORIDA

LICENSED PROFESSIONAL

THOMAS C. JENSEN

FLORIDA LICENSE NUMBER 37290

DATE: _____

POMPANO STANDARD UTILITY DETAILS

SHEET NUMBER

C-8

Plotted By: Teddy, Max July 25, 2025 12:09:24pm K:\WPB_Design\040985062_Pompano - SE 6th Terr\CADD\PlanSheets\Utilities\C-14 POMPANO STANDARD UTILITY DETAILS AND CONSTRUCTION DETAILS.dwg
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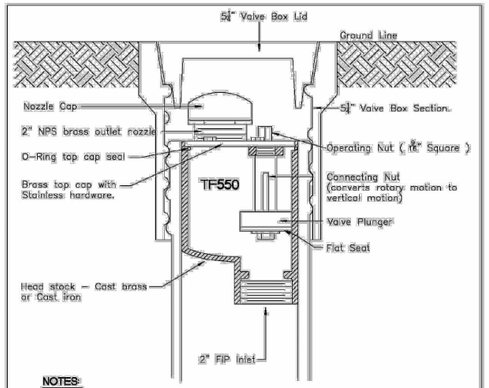


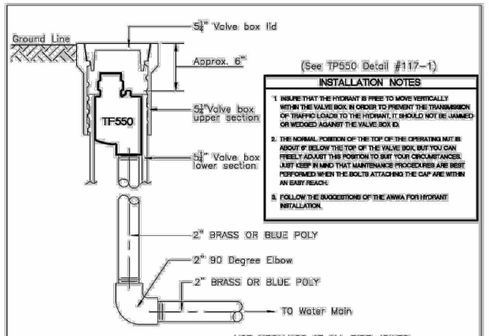
NOTES:

1. THE Kupferle TF550 IS SHOWN HERE IN A TYPICAL 5-1/4" ID VALVE BOX.
2. THE Kupferle TF550 IS RUGGED, COMPACT, EASY TO MAINTAIN AND ENGINEERED FOR A LIFETIME OF SERVICE.
3. THE SMALL "FOOTPRINT" OF THE 5-1/4" VALVE BOX MAKES THE TF550 IDEAL FOR USE IN FRONT YARDS, CUL-DE-SACS AND OTHER "SPACE-SENSITIVE" INSTALLATIONS.

KUPFERLE TF550 2" BLOW OFF OR APPROVED EQUAL

ENGINEERING STANDARDS 2025

REVISIONS BY	DATE	ENGINEERING DIVISION CITY OF POMPANO BEACH	TF550 2" BLOW OFF FLUSHING HYDRANT
S.S.	FEB. 2005		
T.W.	07-2008		
S.S.	01/31/12		DATE: MAY 2022
		SCALE: N.T.S.	DWG. NO. 117-1



USE MEGALUGS AT ALL PIPE JOINTS

INSTALLATION NOTES

1. ENSURE THAT THE HYDRANT IS FREE TO MOVE VERTICALLY WITH THE VALVE BOX. IN ORDER TO PREVENT THE TRANSMISSION OF TRAFFIC LOADS TO THE HYDRANT, IT SHOULD NOT BE JAMMED OR WEDGED AGAINST THE VALVE BOX ID.
2. THE NORMAL POSITION OF THE TOP OF THE OPERATING NUT IS ABOUT 6" BELOW THE TOP OF THE VALVE BOX, BUT YOU CAN FREELY ADJUST THIS POSITION TO SUIT YOUR CIRCUMSTANCES. JUST KEEP IN MIND THAT MAINTENANCE PROCEDURES ARE BEST PERFORMED WHEN THE BOLTS ATTACHING THE CAP ARE WITHIN AN EASY REACH.
3. FOLLOW THE SUGGESTIONS OF THE AWWA FOR HYDRANT INSTALLATION.

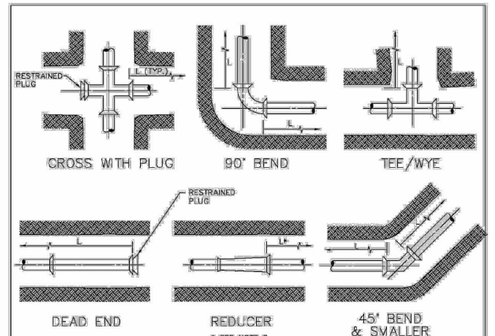
SPECIFICATION NOTES

BLOW OFF SHALL HAVE A 2" VERTICAL FIP INLET AND 2" NPT NOZZLE OUTLET. HYDRANT SHALL BE OPERATED BY TURNING A TOP-MOUNTED 5/16" SQUARE OPERATING NUT COUNTER CLOCKWISE TO OPEN, CLOCKWISE TO CLOSE. ALL INTERNAL WORKING PARTS, THE INLET AND THE OUTLET SHALL BE LOW-LEAD BRASS. ALL WORKING PARTS SHALL BE SERVICEABLE FROM ABOVE WITH NO DIGGING REQUIRED. ALL WEAR PARTS (O-RINGS AND VALVE SEAT) SHALL BE OF COMMONLY AVAILABLE DIMENSIONS AND MATERIALS, AND NONE MAY BE OF VENDOR UNIQUE DESIGN. HYDRANT SHALL BE THE TRUFLO MODEL TF550 AS MANUFACTURED BY THE KUPFERLE FOUNDRY CO., ST. LOUIS MO 63102 OR APPROVED EQUAL.

TF550 INSTALLATION AND SPECIFICATION

ENGINEERING STANDARDS 2025

REVISIONS BY	DATE	ENGINEERING DIVISION CITY OF POMPANO BEACH	TF550 INSTALLATION AND SPECIFICATION
S.S.	FEB. 2005		
T.W.	11-2007		
T.W.	07-2008		DATE: MAY 2022
		SCALE: N.T.S.	DWG. NO. 117-2



GENERAL NOTES:

1. VALUES IN TABLE ARE BASED ON 3' OF COVER, 100 PSI INTERNAL PRESSURE FOR FORCE MAINS, 150 PSI REUSE WATER LINES, ANSI/AWWA C605 & C150/A21.50 LAYING CONDITION 3, ASTM D2487 SAND-SILT SP SOIL TYPE, AND SAFETY FACTOR OF 2.0. RESTRAINED LENGTHS WERE COMPUTED PER DIPRA "THRUST RESTRAINT DESIGN FOR DUCTILE IRON PIPE" AND "PVC PIPE THRUST RESTRAINT DESIGN HANDBOOK," EBAA IRON, INC.
2. CONFIRM THE EXACT LENGTH OF RESTRAINING REQUIRED FOR REDUCERS. PIPE ENCASED IN POLYETHYLENE AND ENCROACHING RESTRAINED LENGTHS WITH THE DESIGN ENGINEER.
3. THE CONTRACTOR IS RESPONSIBLE FOR PROPER INSTALLATION OF THE RESTRAINED JOINTS TO PREVENT MOVEMENT OF THE PIPE & FITTINGS.
4. IN THE EVENT OF A CONFLICT BETWEEN RESTRAINED LENGTHS SHOWN ON THE TABLE AND RESTRAINED LENGTHS SHOWN ON THE DRAWINGS, THE LONGEST RESTRAINED LENGTH SHALL BE USED.

RESTRAINED JOINT INFORMATION

ENGINEERING STANDARDS 2025

REVISIONS BY	DATE	ENGINEERING DIVISION CITY OF POMPANO BEACH	RESTRAINED JOINT INFORMATION
			DATE: MAY 2022
		SCALE: N.T.S.	DWG. NO. 118-1

PVC HORIZONTAL BENDS AND VERTICAL UP BENDS

PIPE SIZE (IN.)	RESTRAINED JOINT LENGTH L (MINIMUM DISTANCE IN FEET FROM FITTING – EACH WAY) BENDS 90°	45°	22.5°	11.25°	CROSS WITH PLUG DEAD END TEE/WYE
6	26	11	6	3	53
8	33	14	7	4	68
12	46	19	10	5	96

PVC VERTICAL DOWN BEND

PIPE SIZE (IN.)	RESTRAINED JOINT LENGTH L (MINIMUM DISTANCE IN FEET FROM FITTING – EACH WAY) BENDS 90°	45°	22.5°	11.25°
6	26	11	6	3
8	33	14	7	4
12	46	19	10	5

DIP HORIZONTAL BENDS AND VERTICAL UP BENDS

PIPE SIZE (IN.)	RESTRAINED JOINT LENGTH L (MINIMUM DISTANCE IN FEET FROM FITTING – EACH WAY) BENDS 90°	45°	22.5°	11.25°	CROSS WITH PLUG DEAD END TEE/WYE
12"	68	28	14	7	144
24"	119	49	24	12	258

DIP VERTICAL DOWN BEND

PIPE SIZE (IN.)	RESTRAINED JOINT LENGTH L (MINIMUM DISTANCE IN FEET FROM FITTING – EACH WAY) BENDS 90°	45°	22.5°	11.25°
12"	144	60	29	14
24"	258	107	51	25

RESTRAINED JOINT INFORMATION

ENGINEERING STANDARDS 2025

REVISIONS BY	DATE	ENGINEERING DIVISION CITY OF POMPANO BEACH	RESTRAINED JOINT INFORMATION
			DATE: MAY 2022
		SCALE: N.T.S.	DWG. NO. 118-2

MIN. LENGTH OF PIPE (FEET) TO BE RESTRAINED

(SOURCES: EBAA IRON RESTRAINT LENGTH CALCULATION PROGRAM FOR PVC PIPE, RELEASE 3.1, AND DIPRA "THRUST RESTRAINT FOR DUCTILE IRON PIPE, RELEASE 3.2).

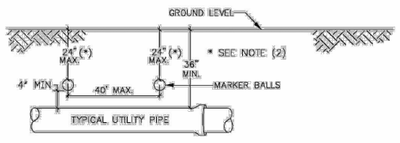
FITTING TYPE		PIPE SIZE 200psi 4"	6"	8"	10"	12"	16"	20"	24"	30"	36"	42"	48"
90° HORIZ. BEND:		14	20	23	30	35	46	54	62	68	112	124	133
45° HORIZ. BEND:		6	8	11	13	15	19	22	26	41	46	51	56
22.5° HORIZ. BEND:		3	4	5	6	7	9	11	12	19	23	25	27
11.25° HORIZ. BEND:		1	2	2	3	4	4	5	6	10	11	12	13
90° VERT. OFFSET	UPPER BEND	28	41	53	64	74	95	115	134	214	248	278	304
	LOWER BEND	7	10	13	16	18	23	30	30	57	66	74	83
45° VERT. OFFSET	UPPER BEND	12	19	26	29	34	39	48	56	89	102	114	126
	LOWER BEND	3	4	6	7	8	10	12	15	23	27	31	34
22.5° VERT. OFFSET	UPPER BEND	6	8	12	14	17	19	23	27	43	49	55	60
	LOWER BEND	1	2	4	4	4	5	6	7	11	13	15	15
11.25° VERT. OFFSET	UPPER BEND	3	4	6	7	8	9	11	13	21	24	27	30
	LOWER BEND	1	1	1	2	2	2	3	3	5	6	7	8
PLUG (DEAD END)		32	45	59	70	83	107	129	151	214	248	278	304
IN-LINE VALVE		32	45	63	45	65	86	65	80	110	125	140	155
TEE (BRANCH RESTRAINT)	4"x 4"	23	—	—	—	—	—	—	—	—	—	—	—
	6"x 6"	21	35	—	—	—	—	—	—	—	—	—	—
	8"x 8"	18	34	47	—	—	—	—	—	—	—	—	—
	10"x 6"	16	30	46	58	—	—	—	—	—	—	—	—
	12"x 6"	13	30	46	57	69	—	—	—	—	—	—	—
	16"x 6"	7	26	41	55	67	90	—	—	—	—	—	—
	20"x 8"	1	21	38	52	65	88	109	—	—	—	—	—
	24"x 6"	1	16	36	49	62	86	108	128	—	—	—	—
	30"x 6"	1	8	28	46	58	83	104	127	226	—	—	—
	36"x 8"	1	1	22	39	54	80	103	124	226	240	—	—
	42"x 8"	1	1	15	33	48	77	100	123	226	239	270	—
	48"x 8"	1	1	7	27	44	73	97	120	223	238	268	299
REDUCER (LARGER PIPE RESTRAINT)	6"x 8"	23	—	—	—	—	—	—	—	—	—	—	—
	8"x 8"	36	25	—	—	—	—	—	—	—	—	—	—
	10"x 8"	57	43	28	—	—	—	—	—	—	—	—	—
	12"x 8"	72	60	44	41	—	—	—	—	—	—	—	—
	16"x 8"	99	90	78	75	45	—	—	—	—	—	—	—
	20"x 8"	123	116	107	105	81	45	—	—	—	—	—	—
	24"x 8"	146	142	132	131	111	82	45	—	—	—	—	—
200mil	30"x 8"	209	204	197	186	177	153	119	75	—	—	—	—
	36"x 8"	243	236	233	226	217	196	168	135	74	—	—	—
	42"x 8"	273	270	265	256	253	234	211	183	133	72	—	—
	48"x 8"	301	296	294	286	283	266	249	225	193	131	71	—

NOTES:
1. THE DATA IN THIS ABOVE TABLE ARE BASED UPON THE FOLLOWING INSTALLATION CONDITIONS:
SOIL TYPE=SAND — TEST PRESSURE=150 PSI/200 PSI — DEPTH OF BURY=3'
TRENCH TYPE=3 — SAFETY FACTOR=2.0 — VERTICAL OFFSET=3'
MINIMUM PIPE LENGTH ALONG TEE RUN=3'
2. THE RESTRAINED PIPE LENGTHS APPLY TO DUCTILE IRON AND PVC PIPE.
3. ALL JOINTS BETWEEN UPPER AND LOWER BENDS SHALL BE RESTRAINED.
4. RESTRAINED PIPE LENGTHS APPLY TO PIPE ON BOTH SIDES OF VALVES AND FITTINGS.

RESTRAINED JOINT INFORMATION

ENGINEERING STANDARDS 2025

REVISIONS BY	DATE	ENGINEERING DIVISION CITY OF POMPANO BEACH	RESTRAINED JOINT INFORMATION
			DATE: MAY 2022
		SCALE: N.T.S.	DWG. NO. 118-3



GENERAL NOTES:

1. ALL UTILITY PIPE SHALL BE INSTALLED WITH 4"ø MARKING BALLS PLACED EVERY 40' AND AT EVERY FITTING. FOR IDENTIFICATION AND WARNING PURPOSES, BURIED ABOVE THE PIPE AT A MAXIMUM DEPTH OF 24 INCHES OR AS APPROVED BY THE OWNER. IT SHALL BE COLOR CODED AND WORDED AS FOLLOWS:

   POTABLE WATER.
   A. COLOR: BLUE PER 62-555.320(21)(b)(3) F.A.C.
   B. LETTERING: WATER
   C. FREQUENCY OF MARKER BALLS SHALL BE 145.7 Khz.
   D. THE MARKER BALLS CAN BE BURIED IN ANY ORIENTATION.

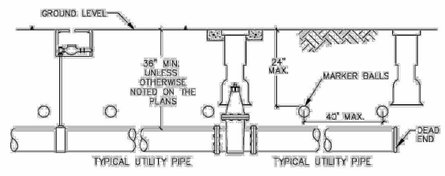
   THE MARKER BALLS SHALL BE DETECTABLE BY STANDARD METAL DETECTION EQUIPMENT AND SHALL BE MANUFACTURED BY TEMPO OR 3M LOCATOR SYSTEM OR EQUIVALENT (FREQUENCY 145.7 Khz)

2. FOR LARGE DIAMETER PIPE INSTALLED AT DEPTHS BELOW 4'-0" MARKER BALLS SHALL BE PLACED AT A MAXIMUM DEPTH OF 4'-0" BELOW GRADE *.

WATER PIPE IDENTIFICATION

ENGINEERING STANDARDS 2025

REVISIONS BY	DATE	ENGINEERING DIVISION CITY OF POMPANO BEACH	WATER PIPE IDENTIFICATION
S.S.	01/12		
S.S.	06/16		
			DATE: JAN. 2022
		SCALE: N.T.S.	DWG. NO. 119-1



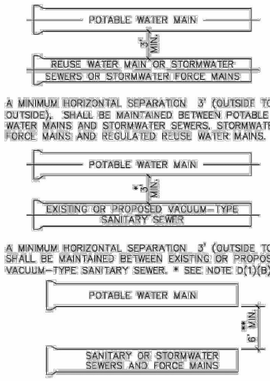
GENERAL NOTES:

1. ALL NONMETALLIC PIPE SHALL BE INSTALLED WITH 12 THHN SOLID COPPER TRACING WIRE.
2. THE MARKER BALLS MUST BE INSTALLED DIRECTLY ABOVE THE PIPE.
3. MARKER BALLS SHALL BE INSTALLED AT 40' O.C.
4. BALL COLOR CODING:
   POTABLE WATER SYSTEM: BLUE PER 62-555.320(21)(b)(3) F.A.C.

UTILITY PIPE AND MARKER BALLS LOCATION

ENGINEERING STANDARDS 2025

REVISIONS BY	DATE	ENGINEERING DIVISION CITY OF POMPANO BEACH	UTILITY PIPE AND MARKER BALLS LOCATION
S.S.	01/12		
S.S.	06/16		
			DATE: JAN. 2022
		SCALE: N.T.S.	DWG. NO. 120-1



A MINIMUM HORIZONTAL SEPARATION 3' (OUTSIDE TO OUTSIDE), SHALL BE MAINTAINED BETWEEN POTABLE WATER MAINS AND STORMWATER SEWERS, STORMWATER FORCE MAINS AND REGULATED REUSE WATER MAINS.

A MINIMUM HORIZONTAL SEPARATION 3' (OUTSIDE TO OUTSIDE), SHALL BE MAINTAINED BETWEEN EXISTING OR PROPOSED VACUUM-TYPE SANITARY SEWER. * SEE NOTE D(1)(B).

A MINIMUM HORIZONTAL SEPARATION OF 6' (OUTSIDE TO OUTSIDE), SHALL BE MAINTAINED BETWEEN POTABLE WATER MAINS AND EXISTING OR PROPOSED GRAVITY-OR PRESSURE TYPE SANITARY SEWER, WASTEWATER FORCE MAIN OR NOT REGULATED REUSE WATER MAIN. ** SEE NOTE D(1)(C).

MINIMUM HORIZONTAL SEPARATION REQUIREMENTS FOR POTABLE WATER, REUSE, STORMWATER AND SEWER LINES

ENGINEERING STANDARDS 2025

REVISIONS BY	DATE	ENGINEERING DIVISION CITY OF POMPANO BEACH	MIN. HORIZONTAL SEPARATION FOR POTABLE WATER
S.S.	01/12		
			DATE: JAN. 2022
		SCALE: N.T.S.	DWG. NO. 121-1

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1	UPDATED ALL STANDARD DETAILS TO 2025	7/24/25	MT

Kimley»Horn

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KHA PROJECT 040985062
DATE JULY 2025
SCALE AS SHOWN
DESIGNED BY MJM
DRAWN BY MJM
CHECKED BY TCJ

S.E. 6TH TERRACE BRIDGE REPLACEMENT

PREPARED FOR
CITY OF POMPANO BEACH
CITY OF POMPANO FLORIDA

LICENSED PROFESSIONAL
THOMAS C. JENSEN
FLORIDA LICENSE NUMBER 37290
DATE: _____

POMPANO STANDARD UTILITY DETAILS

SHEET NUMBER C-9

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Plotted By: Teddy, Max July 25, 2025 12:09:31pm K:\WPB_Design\040985062_Pompano – SE 6th Terr\CADD\PlanSheets\Utilities\C-14 POMPANO STANDARD UTILITY DETAILS.dwg

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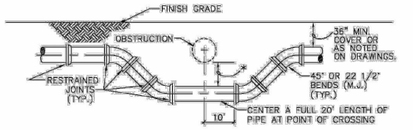
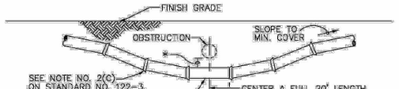


SPECIAL UTILITY CROSSING – FITTING TYPE

* 12" MINIMUM CLEARANCE REQUIRED FOR PRESSURE TYPE SANITARY SEWER, WASTEWATER OR STORMWATER FORCE MAIN OR REUSE WATER MAIN CROSSINGS. IF MINIMUM CLEARANCE CANNOT BE OBTAINED, REFER TO "PROTECTION OF POTABLE WATER SUPPLY" FOR WATER MAIN CROSSINGS. SEE NOTE 2(B), ON STANDARD NO. 122-3

6" MINIMUM CLEARANCE REQUIRED FOR WATER AND STORMWATER, SEWER MAIN CROSSINGS. SEE NOTE 2(A), ON STANDARD NO. 122-3.



STANDARD UTILITY CROSSING – DEFLECTION TYPE

NOTES:
1. THE DEFLECTION TYPE CROSSING SHALL BE USED WHEREVER POSSIBLE. ONLY UNDER SPECIFIC ORDERS BY THE ENGINEER SHALL THE FITTING TYPE CROSSING BE ALLOWED.
2. CONSTRUCT STANDARD CROSSING USING NO MORE THAN 75% OF MANUFACTURERS' MAXIMUM JOINT DEFLECTION.
3. FOR POTABLE WATER MAINS, REFER TO "PROTECTION OF POTABLE WATER SUPPLY".

UTILITY CROSSINGS

ENGINEERING STANDARDS 2025

REVISIONS BY	DATE	ENGINEERING DIVISION CITY OF POMPANO BEACH	UTILITY CROSSINGS
S.S.	01/12		DATE: JAN. 2022
		SCALE: N.T.S.	DWG. NO. 122-1

PROTECTION OF POTABLE WATER SUPPLY NOTES

A. GENERAL
IN ADDITION TO THESE REQUIREMENTS, ALL POTABLE WATER MAINS CONSTRUCTED IN THE VICINITY OF STORM SEWERS, SANITARY SEWERS OR FORCE MAINS SHALL COMPLY WITH THE APPLICABLE PROVISIONS OF FLORIDA ADMINISTRATIVE CODE CHAPTER 62-555, GREAT LAKES-UPPER MISSISSIPPI RIVER BOARD OF STATE SANITARY ENGINEERS (GLUMRB) "RECOMMENDED STANDARDS FOR WATER WORKS", AND GLUMRB "RECOMMENDED STANDARDS FOR WASTEWATER FACILITIES".

B. DEFINITIONS
FOR THE PURPOSES OF THIS SPECIFICATION, THE WORDS "OTHER PIPE" OR "OTHER PIPES" SHALL MEAN SANITARY SEWER MAIN, SEWAGE FORCE MAIN, STORMWATER MAIN OR ANY COMBINATION THEREOF.

C. CROSS CONNECTIONS PROHIBITED
THERE SHALL BE NO PHYSICAL CONNECTIONS BETWEEN A PUBLIC OR PRIVATE POTABLE WATER SUPPLY SYSTEM AND ANY OTHER PIPE OR APPURTENANCE THERETO WHICH WOULD PERMIT THE PASSAGE OF ANY WASTEWATER, POLLUTED WATER, OR ANY OTHER WATER INTO THE POTABLE SUPPLY. NO WATER PIPE SHALL PASS THROUGH OR COME INTO CONTACT WITH ANY PART OF A SANITARY SEWER MANHOLE OR STORMWATER MANHOLE.

D. RELATION OF OTHER PIPES TO POTABLE WATER MAINS

1. HORIZONTAL SEPARATION
A. NEW OR RELOCATED, UNDERGROUND WATER MAINS SHALL BE LAID TO PROVIDE A HORIZONTAL DISTANCE OF AT LEAST THREE FEET BETWEEN THE OUTSIDE OF THE WATER MAIN AND THE OUTSIDE OF ANY EXISTING OR PROPOSED STORM WATER, STORM WATER FORCE MAIN, OR PIPELINE CONVEYING REUSE WATER NOT REGULATED UNDER PART III OF CHAPTER 62-610,F.A.C.
B. NEW OR RELOCATED, UNDERGROUND WATER MAINS SHALL BE LAID TO PROVIDE A HORIZONTAL DISTANCE OF AT LEAST THREE FEET, AND PREFERABLY TEN FEET, BETWEEN THE OUTSIDE OF THE WATER MAIN AND THE OUTSIDE OF ANY EXISTING OR PROPOSED VACUUM-TYPE SANITARY SEWER.
C. NEW OR RELOCATED, UNDERGROUND WATER MAINS SHALL BE LAID TO PROVIDE A HORIZONTAL DISTANCE OF AT LEAST SIX FEET, AND PREFERABLY TEN FEET, BETWEEN THE OUTSIDE OF THE WATER MAIN AND THE OUTSIDE OF ANY EXISTING OR PROPOSED GRAVITY-OR PRESSURE-TYPE SANITARY SEWER, WASTEWATER FORCE MAIN, OR PIPELINE CONVEYING REUSE WATER NOT REGULATED UNDER CHAPTER 62-610, F.A.C. THE MINIMUM HORIZONTAL SEPARATION DISTANCE BETWEEN WATER MAINS AND GRAVITY TYPE SEWERS SHALL BE REDUCED TO THREE FEET WHERE THE BOTTOM OF THE WATER IS LAID AT LEAST SIX INCHES ABOVE THE TOP OF THE SEWER.

ENGINEERING STANDARDS 2025

REVISIONS BY	DATE	ENGINEERING DIVISION CITY OF POMPANO BEACH	POTABLE WATER SUPPLY NOTES
S.S.	01/12		DATE: JAN. 2022
		SCALE: N.T.S.	DWG. NO. 122-2

D. NEW OR RELOCATED, UNDERGROUND WATER MAINS SHALL BE LAID TO PROVIDE A HORIZONTAL DISTANCE OF AT LEAST TEN FEET BETWEEN THE OUTSIDE OF THE WATER MAIN AND ALL PARTS OF ANY EXISTING OR PROPOSED "ON-SITE SEWAGE TREATMENT AND DISPOSAL SYSTEM".

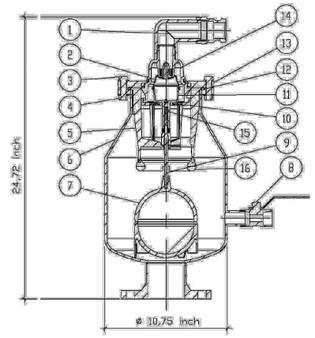
2. VERTICAL SEPARATION
A. NEW OR RELOCATED, UNDERGROUND WATER MAINS CROSSING ANY EXISTING OR PROPOSED GRAVITY-OR VACUUM-TYPE SANITARY SEWER OR STORM SEWER SHALL BE LAID SO THE OUTSIDE OF THE WATER MAIN IS AT LEAST SIX INCHES, AND PREFERABLY 12 INCHES, ABOVE OR AT LEAST 12 INCHES BELOW THE OUTSIDE OF THE OTHER PIPELINE. HOWEVER, IT IS PREFERABLE TO LAY THE WATER MAIN ABOVE THE OTHER PIPELINE.
B. NEW OR RELOCATED, UNDERGROUND WATER MAINS CROSSING ANY EXISTING OR PROPOSED PRESSURE-TYPE SANITARY SEWER, WASTEWATER OR STORM WATER FORCE MAIN, OR PIPELINE CONVEYING REUSE WATER SHALL BE LAID SO THE OUTSIDE OF THE WATER MAIN IS AT LEAST 12 INCHES, ABOVE OR BELOW THE OUTSIDE THE OTHER PIPELINE. HOWEVER, IT IS PREFERABLE TO LAY THE WATER MAIN ABOVE THE OTHER PIPELINE.
C. AT THE UTILITY CROSSINGS DESCRIBED IN PARAGRAPHS (A) AND (B) ABOVE, ONE FULL LENGTH OF WATER MAIN PIPE SHALL BE CENTERED ABOVE OR BELOW THE OTHER PIPELINE SO THAT THE WATER MAIN JOINTS WILL BE AS FAR AS POSSIBLE FROM THE OTHER PIPELINE. ALTERNATIVELY, AT SUCH CROSSINGS, THE PIPES SHALL BE ARRANGED SO THAT ALL WATER MAIN JOINTS ARE AT LEAST THREE FEET FROM ALL JOINTS IN VACUUM-TYPE SANITARY SEWERS, STORM SEWERS, STORM WATER FORCE MAINS, OR PIPELINES CONVEYING REUSE WATER REGULATED UNDER PART III OF CHAPTER 62-610, F.A.C. AND AT LEAST SIX FEET FROM ALL JOINTS IN GRAVITY- OR PRESSURE-TYPE SANITARY SEWERS, WASTEWATER FORCE MAINS, OR PIPELINES CONVEYING REUSE WATER NOT REGULATED UNDER PART III OR CHAPTER 62-610, F.A.C.

WHERE THE HORIZONTAL CAN BEING LOCATED LESS THAT THE REQUIRED MINIMUM DISTANCES FROM JOINTS IN THE OTHER PIPELINE OR THE HORIZONTAL IS LESS THAT THREE FEET FROM ANOTHER PIPELINE OR THE UNDER GROUND WATER MAIN IS CROSSING ANOTHER PIPELINE AND IS LESS THAN THE REQUIRED MINIMUM VERTICAL DISTANCE FROM THE OTHER PIPELINE, THE CONTRACTOR SHALL CONTACT THE ENGINEER IMMEDIATELY FOR RECOMMENDED SOLUTIONS TO MEET THE FLORIDA DF DEPARTMENT OF ENVIRONMENTAL PROTECTION REQUIREMENTS PER CHAPTER 62-555, F.A.C.

PROTECTION OF POTABLE WATER SUPPLY NOTES

ENGINEERING STANDARDS 2025

REVISIONS BY	DATE	ENGINEERING DIVISION CITY OF POMPANO BEACH	POTABLE WATER SUPPLY NOTES
S.S.	01/12		DATE: JAN. 2022
		SCALE: N.T.S.	DWG. NO. 122-3



AUTOMATIC AIR & VACUUM VALVE FOR POTABLE WATER

Model 986
Automatic Air and Vacuum Release Valve, steel – epoxy powder coated for operating range: 0-250 PSI (17.2 Bar)

Type	Size ANSI	Maximum Pressure PSI/Bar	Body Material	Overall Width B Inch/mm	Overall Height H Inch/mm	Weight Lbs./Kg
Thread	2" FNPT	250 PSI 17.2 Bar	Steel	10.75" 270 mm	23.2" 600 mm	59.7 lbs 230 Kg

ENGINEERING STANDARDS 2025

REVISIONS BY	DATE	ENGINEERING DIVISION CITY OF POMPANO BEACH	H-TEC AIR AND VACUUM VALVE
			DATE: MAY 2022
		SCALE: N.T.S.	DWG. NO. 123-1

No.	Component	Series – Epoxy-coated steel
1	Outlet elbow w. screen/camlock 1,5"	Polyethylene (PE)
2	Diaphragm	Buna HNBR
3	Hex Head Bolt	Stainless Steel
4	Hexagon nut	Stainless Steel
5	Debris shield	Polyethylene (PE)
6	Body	Steel – epoxy powder coated
7	Float	Delrin®(POM)
8	Ball valve, 1"	Stainless Steel
9	Float spindle	Stainless Steel 316Ti
10	Debris screen	Delrin®(POM)
11	Diaphragm holder	Delrin®(POM)
12	O-Ring 157 x 6 mm	Buna NBR
13	Clamping flange	Steel – epoxy powder coated
14	Upper air valve part	Delrin®(POM)
15	Valve spring	Stainless Steel
16	Damper ring	Buna NBR

Automatic Air and Vacuum Release Valve, steel – epoxy powder coated (Model # 986).

Automatic Air and Vacuum Valves shall be infinitely variable automatic air and vacuum valves designed to allow escape of air for a operating range starting from pressure range 0.0 through 250 psi (0 – 17.2 bar), allow air to enter in the event of a vacuum, and soft working behavior as water hammer inhibition realized by roll-on diaphragm and spring mechanism. A debris shield made of PE allows no contact between fluid and sealing area. A secondary debris screen provides an additional protection for the diaphragm. The float shall be Delrin (Polyoxinethylene, POM);the valve seat and all working parts shall be of corrosion-resistant materials.

Air and vacuum valves shall be, from H-TEC, Inc. (Hawle company)

PAINT BODY OF THE VALVE BLUE USING AN EPOXY PAINT.

ENGINEERING STANDARDS 2025

REVISIONS BY	DATE	ENGINEERING DIVISION CITY OF POMPANO BEACH	H-TEC AIR AND VACUUM VALVE MATERIALS OF CONSTRUCTION
			DATE: MAY 2022
		SCALE: N.T.S.	DWG. NO. 123-2

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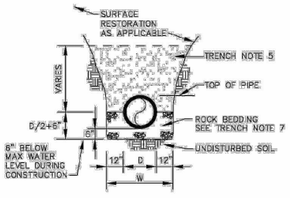
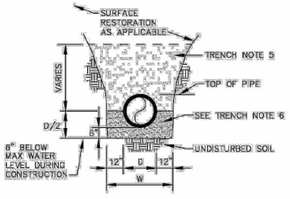


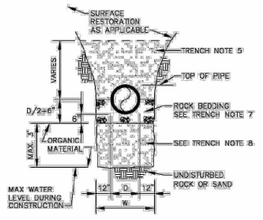
TRENCH BACKFILL / BEDDING CLASS " B "



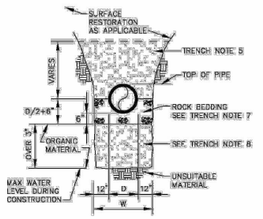
TRENCH BACKFILL / BEDDING CLASS " A "

ENGINEERING STANDARDS 2025

REVISIONS BY	DATE	ENGINEERING DIVISION CITY OF POMPANO BEACH	TRENCH BACKFILL / BEDDING
S.S.	JUNE 2025		DATE: JUNE 2022
		SCALE: N.T.S.	DWG. NO. 203-1



TRENCH BACKFILL / BEDDING CLASS " C "



TRENCH BACKFILL / BEDDING CLASS " D "

ENGINEERING STANDARDS 2025

REVISIONS BY	DATE	ENGINEERING DIVISION CITY OF POMPANO BEACH	TRENCH BACKFILL / BEDDING
S.S.	JUNE 2005		DATE: JUNE 2022
		SCALE: N.T.S.	DWG. NO. 203-2

1. OUTLINE OF TRENCH EXCAVATION IS FOR ILLUSTRATIVE PURPOSES ONLY. ACTUAL TRENCH WIDTH AND SHAPE WILL VARY WITH SOIL CONDITIONS. TRENCH EXCAVATION SHALL BE IN ACCORDANCE WITH THE "FLORIDA TRENCH SAFETY ACT" AND OSHA TRENCH SAFETY STANDARDS.
2. TYPICAL TRENCH BACKFILL/BEDDING FOR WATER MAIN AND FORCE MAIN INSTALLATIONS SHALL BE CLASS "A" AS SHOWN IN DETAIL.
3. TYPICAL TRENCH BACKFILL/BEDDING FOR GRAVITY SEWER INSTALLATION SHALL BE CLASS "B" AS SHOWN IN DETAIL.
4. TRENCH BACKFILL/BEDDING CLASS "C" AND CLASS "D" SHALL BE USED FOR PIPE INSTALLATIONS WHERE UNSITABLE TRENCH MATERIALS ARE ENCOUNTERED.
5. TRENCH ZONE BACKFILL SHALL BE MATERIAL TYPE 1 OR TYPES A THRU H, OR ANY MIXTURE THEREOF, WHERE SURFACE RESTORATION TYPE "1" IS APPLICABLE, TRENCH ZONE BACKFILL SHALL BE PLACED IN 12" LIFTS, COMPACTED TO 90% OF THE MATERIAL'S MAXIMUM DENSITY AS DETERMINED BY ASTM D-697 (AASHTO T-99), WHERE SURFACE RESTORATION TYPES "2", "3" AND "4" ARE APPLICABLE, TRENCH BACKFILL SHALL BE PLACED IN 8" LIFTS COMPACTED TO 98% OF THE MATERIAL'S DENSITY AS DETERMINED BY ASTM D-698 (AASHTO T-99).
6. BEDDING MATERIAL FOR TYPICAL WATER MAIN AND FORCE MAIN INSTALLATION SHALL BE TYPE C. BEDDING SHALL BE COMPACTED TO 95% OF THE MATERIAL'S MAXIMUM DENSITY AS DETERMINED BY ASTM D-1557 (AASHTO T-180).
7. BEDDING MATERIAL FOR TYPICAL GRAVITY SEWER INSTALLATION AND ANY INSTALLATION WHERE UNSUITABLE TRENCH BOTTOM CONDITIONS ARE FOUND SHALL BE TYPE E. BEDDING SHALL BE PLACED IN LIFTS NOT TO EXCEED 6" AND COMPACTED TO 95% OF THE MATERIAL'S MAXIMUM DENSITY AS DETERMINED BY ASTM D-1557 (AASHTO T-180).
8. UNSUITABLE MATERIAL SHALL BE REMOVED TO UNDISTURBED ROCK OR SAND OR TO DEPTH AS SPECIFIED BY ENGINEER. BACKFILL MATERIAL SHALL BE TYPE C. BACKFILL SHALL BE PLACED IN 8" LIFTS COMPACTED TO 95% OF THE MATERIAL'S MAXIMUM DENSITY AS DETERMINED BY ASTM D-1557 AASHTO T-180).

TRENCH BACKFILL / BEDDING NOTES

ENGINEERING STANDARDS 2025

REVISIONS BY	DATE	ENGINEERING DIVISION CITY OF POMPANO BEACH	TRENCH BACKFILL / BEDDING
			DATE: JUNE 2022
		SCALE: N.T.S.	DWG. NO. 203-3

No.	REVISIONS	DATE	BY
1	UPDATED ALL STANDARD DETAILS TO 2025	7/24/25	MT

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WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

KHA PROJECT 040985062
DATE JULY 2025
SCALE AS SHOWN
DESIGNED BY MJM
DRAWN BY MJM
CHECKED BY TCJ

S.E. 6TH TERRACE BRIDGE REPLACEMENT

PREPARED FOR
CITY OF POMPANO BEACH
CITY OF POMPANO FLORIDA

LICENSED PROFESSIONAL
THOMAS C. JENSEN
FLORIDA LICENSE NUMBER 37290
DATE: _____

POMPANO STANDARD UTILITY DETAILS

SHEET NUMBER
C-10

Plotted By: Teddy, Max July 25, 2025 12:09:38pm K:\WPB_Design\040985062_Pompano – SE 6th Terr\CADD\PlanSheets\Utilities\C-14 POMPANO STANDARD UTILITY DETAILS AND CONSTRUCTION DETAILS.dwg
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9. BEDDING TYPES – THE FOLLOWING TYPES OF SUITABLE MATERIALS ARE DESIGNATED AND DEFINED AS FOLLOWING:

TYPE A: CRUSHED LIMEROCK OR SAND WITH 100 PERCENT PASSING A 1 INCH SIEVE AND A SAND EQUIVALENT VALUE NOT LESS THAN 50.

TYPE B: CRUSHED LIMEROCK OR SAND WITH 100 PERCENT PASSING A 1/2 INCH SIEVE AND A SAND EQUIVALENT VALUE NOT LESS THAN 50.

TYPE C: SAND WITH 100 PERCENT PASSING A 3/8 INCH SIEVE, AT LEAST 90 PERCENT PASSING A NUMBER 4 SIEVE, AND A SAND EQUIVALENT VALUE NOT LESS THAN 30.

TYPE D: CRUSHED LIMEROCK WITH 100 PERCENT PASSING A 1 INCH SIEVE AND NOT MORE THAN 10 PERCENT A NUMBER 4 SIEVE.

TYPE E: CRUSHED LIMEROCK OR SAND WITH 100 PERCENT PASSING A 3/4 INCH SIEVE AND NOT MORE THAN 10 PERCENT PASSING A NUMBER 4 SIEVE.

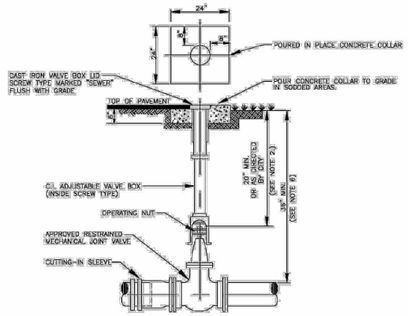
TYPE F: CRUSHED LIMEROCK MEETING THE FOLLOWING GRADATION REQUIREMENTS.

SIEVE SIZE	PERCENTAGE PASSING
2 INCH	100
1–1/2 INCH	90–100
1 INCH	20–55
3/4 INCH	0–15
NO. 200	0–3

TRENCH BACKFILL / BEDDING NOTES

ENGINEERING STANDARDS 2025

REVISIONS BY	DATE	ENGINEERING DIVISION CITY OF POMPANO BEACH	TRENCH BACKFILL / BEDDING
		SCALE: N.T.S.	DATE: JUNE 2022 DWG. NO. 203-4



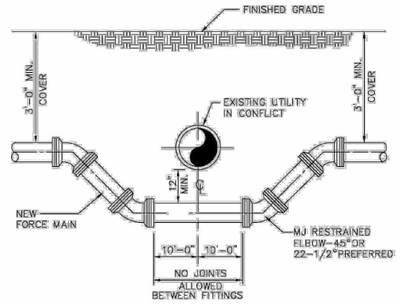
NOTES:
1. CONCRETE COLLAR IS NOT REQUIRED IN PAVED AREAS IF PAVEMENT SURFACE IS FINISHED PRIOR TO CONDITIONAL FINAL INSPECTION.
2. WHEN OPERATING NUT IS DEEPER THAN 36" A ONE PIECE EXTENSION WILL BE REQUIRED TO BRING OPERATING NUT 20"–30" BELOW FINISHED GRADE. EXTENSION BOLTS & NUTS ARE TO BE STAINLESS STEEL. A HIGH STRENGTH STEEL CENTERING PLATE, WELDED TO THE EXTENSION, IS ALSO REQUIRED.
3. VALVE BOXES SHALL HAVE COVERS MARKED "SEWER".
4. EXTENSION VALVE BOX TO BE D.I.P. OR C-900 PVC DR 18 (COLOR: GREEN).
5. A CUT-IN INSTALLATION SHALL REQUIRE MEGALUGS OR EQUAL THROUGHOUT ASSEMBLY.
6. IN ORDER TO MAINTAIN ADEQUATE COVER OVER VALVE NUT, THE FOLLOWING MINIMUM COVERS OVER PIPE ARE REQUIRED:

GATE VALVE SIZE	MIN. COVER OVER PIPE
16"	48"
20"	54"
24"	60"
30"	72"
36"	84"

FORCE MAIN PLUG VALVE SETTING

ENGINEERING STANDARDS 2025

REVISIONS BY	DATE	ENGINEERING DIVISION CITY OF POMPANO BEACH	PLUG VALVE SETTING
S.S.	01/27/12	SCALE: N.T.S.	DATE: JUNE 2022 DWG. NO. 205-1

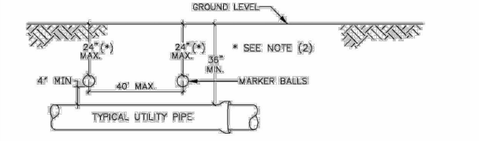


NOTES:
WHERE CONDITIONS PERMIT, PIPE DEFLECTION MAY BE USED INSTEAD OF BENDS TO OBTAIN THE MINIMUM CLEARANCE. FACTORY OFFSETS MAY BE USED.

TYPICAL CONFLICT DETAIL

ENGINEERING STANDARDS 2025

REVISIONS BY	DATE	ENGINEERING DIVISION CITY OF POMPANO BEACH	TYPICAL CONFLICT (SEWER)
S.S.	JUNE 2025	SCALE: N.T.S.	DATE: JUNE 2022 DWG. NO. 206-1
S.S.	02/13/12		



GENERAL NOTES:

1. ALL UTILITY PIPE SHALL BE INSTALLED WITH 4'Ø MARKING BALLS PLACED EVERY 40' AND AT EVERY FITTING, FOR IDENTIFICATION AND WARNING PURPOSES, BURIED ABOVE THE PIPE AT A MAXIMUM DEPTH OF 24 INCHES OR AS APPROVED BY THE OWNER. IT SHALL BE COLOR CODED AND WORDED AS FOLLOWS:

   SEWER SYSTEM
   A. COLOR: GREEN
   B. LETTERING: SANITARY SEWER
   C. FREQUENCY OF MARKER BALLS SHALL BE 121.6 Khz.
   D. THE MARKER BALLS CAN BE BURIED IN ANY ORIENTATION.

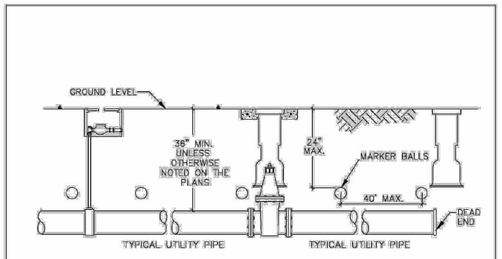
   THE MARKER BALLS SHALL BE DETECTABLE BY STANDARD METAL DETECTION EQUIPMENT AND SHALL BE MANUFACTURED BY TEMPO OR 3M LOCATOR SYSTEM OR EQUIVALENT (FREQUENCY 121.6 Khz).

2. FOR LARGE DIAMETER PIPE INSTALLED AT DEPTHS BELOW 4'–0" MARKER BALLS SHALL BE PLACED AT A MAXIMUM DEPTH OF 4'–0" BELOW GRADE *.

SEWER PIPE IDENTIFICATION

ENGINEERING STANDARDS 2025

REVISIONS BY	DATE	ENGINEERING DIVISION CITY OF POMPANO BEACH	SEWER PIPE IDENTIFICATION
S.S.	01/30/12	SCALE: N.T.S.	DATE: JUNE 2022 DWG. NO. 207-1



GENERAL NOTES:

1. ALL NONMETALLIC PIPE SHALL BE INSTALLED WITH 12 THHN SOLID COPPER TRACING WIRE.
2. THE MARKER BALLS MUST BE INSTALLED DIRECTLY ABOVE THE PIPE.
3. MARKER BALLS SHALL BE INSTALLED AT 40' O.C.
4. BALL COLOR CODING:
   SANITARY SEWER SYSTEM: GREEN

UTILITY PIPE AND MARKER BALLS LOCATION

ENGINEERING STANDARDS 2025

REVISIONS BY	DATE	ENGINEERING DIVISION CITY OF POMPANO BEACH	UTILITY PIPE AND MARKER BALLS LOCATION
		SCALE: N.T.S.	DATE: JUNE 2022 DWG. NO. 208-1

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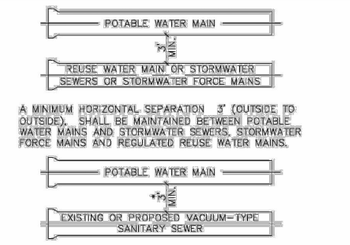
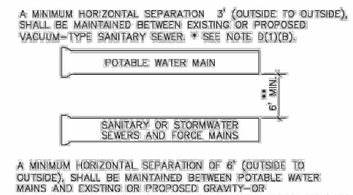
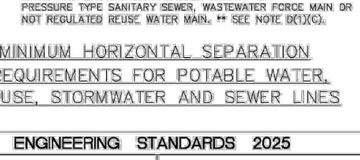


A MINIMUM HORIZONTAL SEPARATION 3' (OUTSIDE TO OUTSIDE), SHALL BE MAINTAINED BETWEEN POTABLE WATER MAINS AND STORMWATER SEWERS, STORMWATER FORCE MAINS AND REGULATED REUSE WATER MAINS.



A MINIMUM HORIZONTAL SEPARATION 3' (OUTSIDE TO OUTSIDE), SHALL BE MAINTAINED BETWEEN EXISTING OR PROPOSED VACUUM–TYPE SANITARY SEWER. * SEE NOTE D(1)(B).

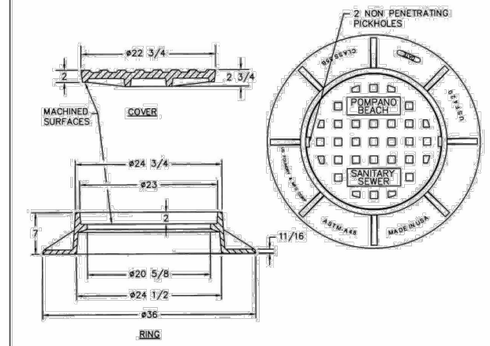


A MINIMUM HORIZONTAL SEPARATION OF 6" (OUTSIDE TO OUTSIDE), SHALL BE MAINTAINED BETWEEN POTABLE WATER MAINS AND EXISTING OR PROPOSED GRAVITY–OR PRESSURE TYPE SANITARY SEWER, WASTEWATER FORCE MAIN OR NOT REGULATED REUSE WATER MAIN. ** SEE NOTE D(1)(C).

MINIMUM HORIZONTAL SEPARATION REQUIREMENTS FOR POTABLE WATER, REUSE, STORMWATER AND SEWER LINES

ENGINEERING STANDARDS 2025

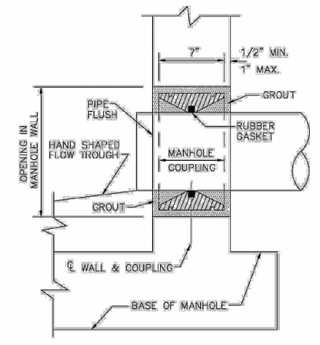
REVISIONS BY	DATE	ENGINEERING DIVISION CITY OF POMPANO BEACH	MIN. HORIZONTAL SEPARATION FOR SANITARY SEWER
S.S.	01/30/12	SCALE: N.T.S.	DATE: JUNE 2022 DWG. NO. 209-1



TRAFFIC RATED FRAME & COVER

ENGINEERING STANDARDS 2025

REVISIONS BY	DATE	ENGINEERING DIVISION CITY OF POMPANO BEACH	TRAFFIC RATED SEWER COVER
		SCALE: N.T.S.	DATE: JUNE 2022 DWG. NO. 211-1



MANHOLE COUPLING

ENGINEERING STANDARDS 2025

REVISIONS BY	DATE	ENGINEERING DIVISION CITY OF POMPANO BEACH	MANHOLE COUPLING
S.S.	JUNE 2025	SCALE: N.T.S.	DATE: JUNE 2022 DWG. NO. 212-1

No.	REVISIONS	DATE	BY
1	UPDATED ALL STANDARD DETAILS TO 2025	7/24/25	MT

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PHONE: 561–845–0665 FAX: 561–863–8175
WWW.KIMLEY–HORN.COM REGISTRY NO. 35106

KHA PROJECT	040985062
DATE	JULY 2025
SCALE	AS SHOWN
DESIGNED BY	MJM
DRAWN BY	MJM
CHECKED BY	TCJ

S.E. 6TH TERRACE BRIDGE REPLACEMENT

PREPARED FOR

CITY OF POMPANO BEACH

CITY OF POMPANO FLORIDA

LICENSED PROFESSIONAL

THOMAS C. JENSEN

FLORIDA LICENSE NUMBER 37290

DATE: ____

POMPANO STANDARD UTILITY DETAILS

SHEET NUMBER

C-11

Plotted By: Teddy, Mox July 25, 2025 12:09:43pm K:\WPB_Design\040985062_Pompano – SE 6th Terr\CADD\PlanSheets\Utilities\C-14 POMPANO STANDARD UTILITY DETAILS AND CONSTRUCTION DETAILS.dwg
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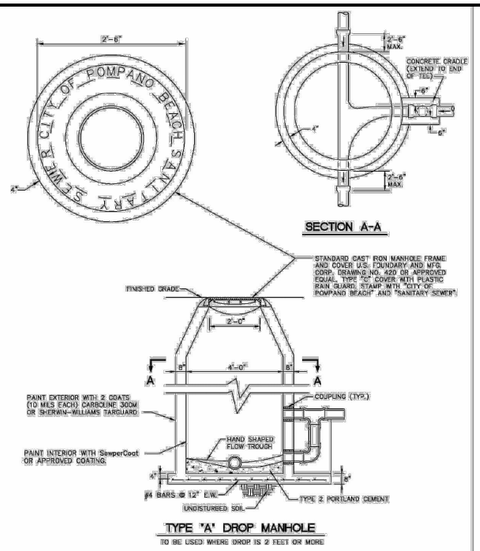
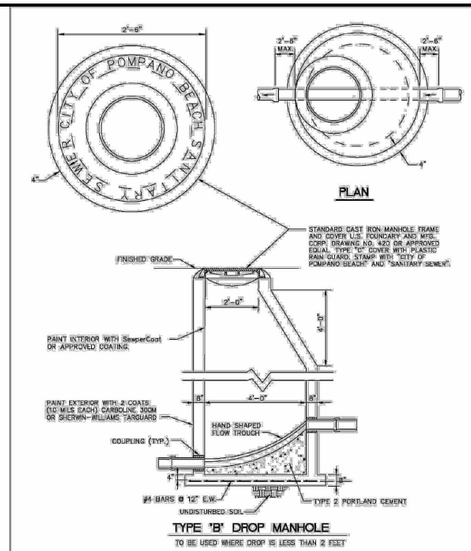


TYPE "A" DROP MANHOLE

TO BE USED WHERE DROP IS 2 FEET OR MORE

ENGINEERING STANDARDS 2025

REVISIONS		ENGINEERING DIVISION	TYPE "A" DROP MANHOLE
BY	DATE	CITY OF POMPANO BEACH	
S.S.	JUNE 2005		
T.W.	11-2007		
S.S.	12-2013	SCALE: N.T.S.	DATE: JUNE 2022
A.S.	08-2021		DWG. NO. 213-1

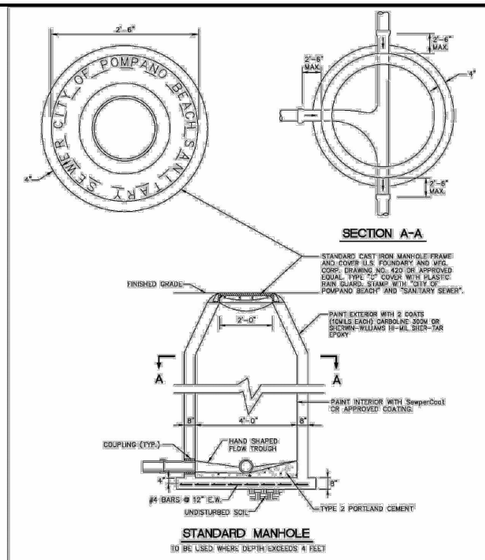


TYPE "B" DROP MANHOLE

TO BE USED WHERE DROP IS LESS THAN 2 FEET

ENGINEERING STANDARDS 2025

REVISIONS		ENGINEERING DIVISION	TYPE "B" DROP MANHOLE
BY	DATE	CITY OF POMPANO BEACH	
S.S.	JUNE 2005		
T.W.	11-2007		
S.S.	12-2013	SCALE: N.T.S.	DATE: JUNE 2022
A.S.	09-2021		DWG. NO. 214-1

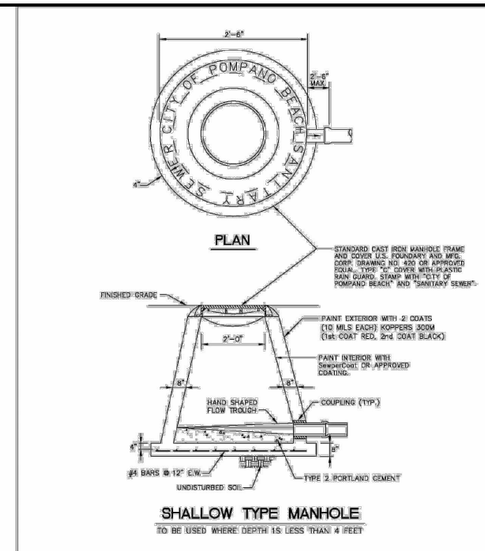


STANDARD MANHOLE

TO BE USED WHERE DEPTH EXCEEDS 4 FEET

ENGINEERING STANDARDS 2025

REVISIONS		ENGINEERING DIVISION	STANDARD MANHOLE
BY	DATE	CITY OF POMPANO BEACH	
S.S.	JUNE 2005		
T.W.	11-2007		
S.S.	12-2013	SCALE: N.T.S.	DATE: JUNE 2022
A.S.	08-2021		DWG. NO. 215-1

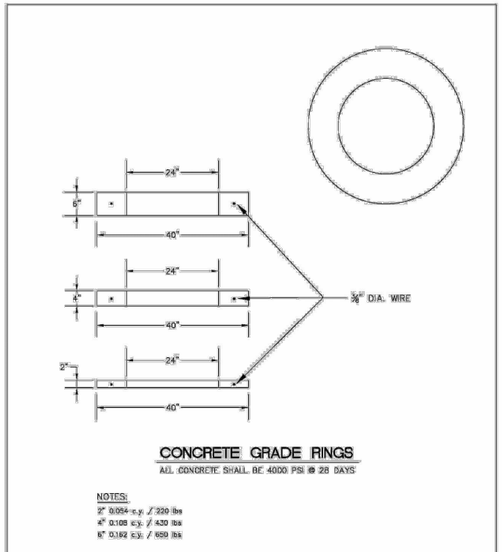


SHALLOW TYPE MANHOLE

TO BE USED WHERE DEPTH IS LESS THAN 4 FEET

ENGINEERING STANDARDS 2025

REVISIONS		ENGINEERING DIVISION	SHALLOW TYPE MANHOLE
BY	DATE	CITY OF POMPANO BEACH	
S.S.	JUNE 2005		
T.W.	11-2007		
A.S.	09-2021	SCALE: N.T.S.	DATE: JUNE 2022
			DWG. NO. 216-1



CONCRETE GRADE RINGS

ALL CONCRETE SHALL BE 4000 PSI @ 28 DAYS

NOTES:
2" 0.054 c.y. / 220 lbs
4" 0.108 c.y. / 430 lbs
6" 0.162 c.y. / 659 lbs

ENGINEERING STANDARDS 2025

REVISIONS:		ENGINEERING DIVISION	CONCRETE GRADE RINGS
BY	DATE	CITY OF POMPANO BEACH	
		SCALE: N.T.S.	DATE: JUNE 2022
			DWG. NO. 216-2

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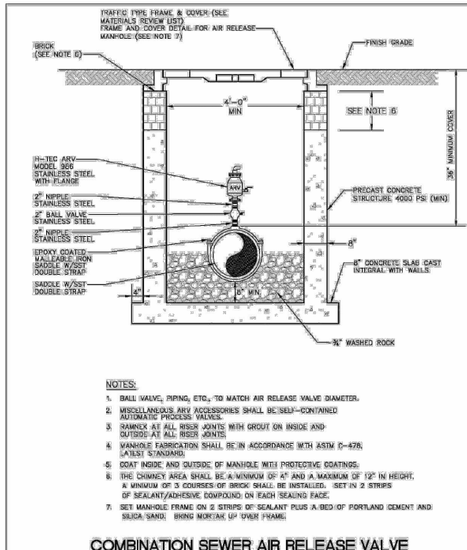
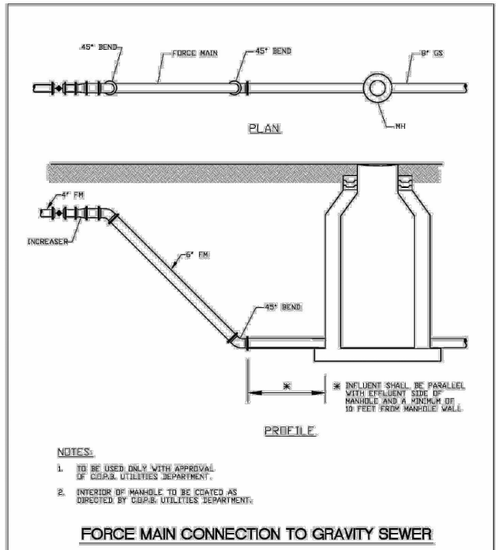


NOTES:
1. BALL VALVE, PIPING, ETC., TO MATCH AIR RELEASE VALVE DIAMETER.
2. MISCELLANEOUS ARV ACCESSORIES SHALL BE SELF-CONTAINED AUTOMATIC PROCESS VALVES.
3. RAMNOX AT ALL RISER JOINTS WITH GROUT ON INSIDE AND OUTSIDE AT ALL RISER JOINTS.
4. MANHOLE FABRICATION SHALL BE IN ACCORDANCE WITH ASTM C-478, LATEST STANDARD.
5. COAT INSIDE AND OUTSIDE OF MANHOLE WITH PROTECTIVE COATINGS.
6. THE CHIMNEY AREA SHALL BE A MINIMUM OF 4" AND A MAXIMUM OF 12" IN HEIGHT. A MINIMUM OF 3 COURSES OF BRICK SHALL BE INSTALLED. SET IN 2 STRIPS OF SEALANT/ADHESIVE COMPOUND ON EACH SEALING FACE.
7. SET MANHOLE FRAME ON 2 STRIPS OF SEALANT PLUS A BED OF PORTLAND CEMENT AND SILICA SAND. RING MORTAR UP OVER FRAME.

COMBINATION SEWER AIR RELEASE VALVE

ENGINEERING STANDARDS 2025

REVISIONS		ENGINEERING DIVISION	FORCE MAIN MANHOLE
BY	DATE	CITY OF POMPANO BEACH	
A.S.	12/28/22		
A.S.	12/11/23		
		SCALE: N.T.S.	DATE: DEC 2023
			DWG. NO. 217-1



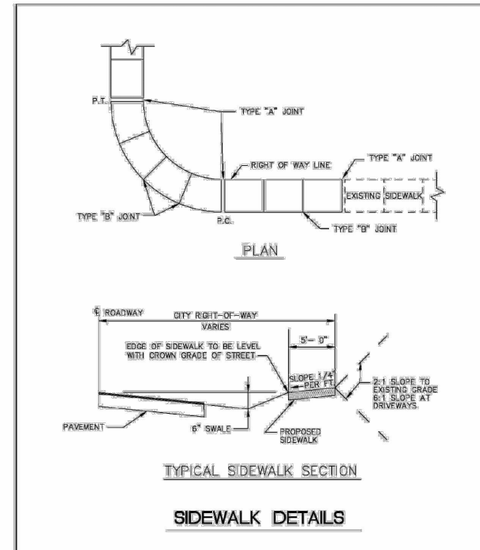
* INFLUENT SHALL BE PARALLEL WITH EFFLUENT SIDE OF MANHOLE AND A MINIMUM OF 10 FEET FROM MANHOLE WALL.

NOTES:
1. TO BE USED ONLY WITH APPROVAL OF C.O.P.B. UTILITIES DEPARTMENT.
2. INTERIOR OF MANHOLE TO BE COATED AS DIRECTED BY C.O.P.B. UTILITIES DEPARTMENT.

FORCE MAIN CONNECTION TO GRAVITY SEWER

ENGINEERING STANDARDS 2025

REVISIONS		ENGINEERING DIVISION	FORCE MAIN CONNECTION TO GRAVITY SEWER
BY	DATE	CITY OF POMPANO BEACH	
S.S.	10/22/12		
		SCALE: N.T.S.	DATE: JUNE 2022
			DWG. NO. 218-1



TYPICAL SIDEWALK SECTION

SIDEWALK DETAILS

ENGINEERING STANDARDS 2025

REVISIONS:		ENGINEERING DIVISION	SIDEWALK DETAILS
BY	DATE	CITY OF POMPANO BEACH	
		SCALE: N.T.S.	DATE: JUNE 2022
			DWG. NO. 301-1

No.	REVISIONS	DATE	BY
1	UPDATED ALL STANDARD DETAILS TO 2025	7/24/25	MT

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PHONE: 561-845-0665 FAX: 561-863-8175
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

KHA PROJECT	040985062
DATE	JULY 2025
SCALE	AS SHOWN
DESIGNED BY	MJM
DRAWN BY	MJM
CHECKED BY	TCJ

S.E. 6TH TERRACE BRIDGE REPLACEMENT

PREPARED FOR

CITY OF POMPANO BEACH

CITY OF POMPANO FLORIDA

LICENSED PROFESSIONAL

THOMAS C. JENSEN

FLORIDA LICENSE NUMBER 37290

DATE: ____

POMPANO STANDARD UTILITY DETAILS

SHEET NUMBER

C-12

Plotted By: Teddy, Mox July 25, 2025 12:09:48pm K:\WPB_Design\040985062_Pompano - SE 6th Ter\CADD\PlanSheets\Utilities\C-14 POMPANO STANDARD UTILITY DETAILS.dwg
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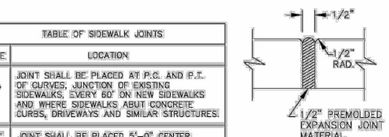
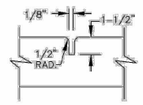
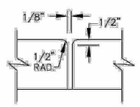
TABLE OF SIDEWALK JOINTS	
TYPE	LOCATION
"A"	JOINT SHALL BE PLACED AT P.C. AND P.T. OF CURVES, JUNCTION OF EXISTING SIDEWALKS, EVERY 60' ON NEW SIDEWALKS AND WHERE SIDEWALKS ABUT CONCRETE CURBS, DRIVEWAYS AND SIMILAR STRUCTURES.
"B"	JOINT SHALL BE PLACED 5'-0" CENTER
"C"	JOINT SHALL BE PLACED AT 20' INTERVALS



TYPE "A" JOINT



TYPE "B" JOINT



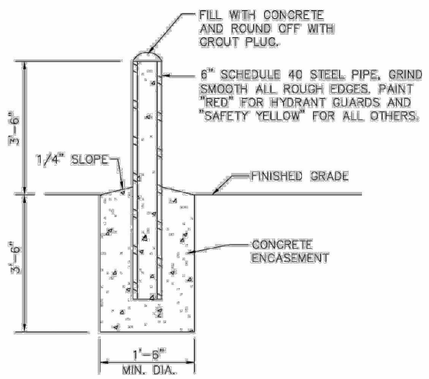
TYPE "C" JOINT

NOTE: SIDEWALK SHALL BE 4" THICK EXCEPT IN DRIVEWAYS WHERE THE THICKNESS SHALL BE 6".

SIDEWALK DETAILS

ENGINEERING STANDARDS 2025

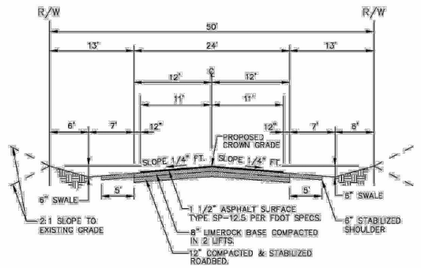
REVISIONS BY	DATE	ENGINEERING DIVISION CITY OF POMPANO BEACH	SIDEWALK DETAILS
S.S.	5/05/08	SCALE: N.T.S.	DATE: JUNE 2022 DWG. NO. 301-2



GUARD POST

ENGINEERING STANDARDS 2025

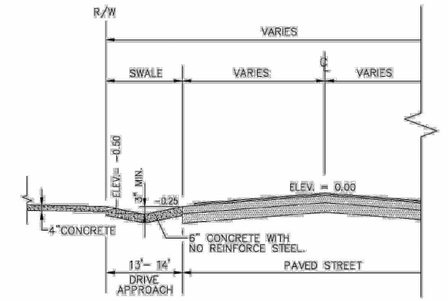
REVISIONS BY	DATE	ENGINEERING DIVISION CITY OF POMPANO BEACH	GUARD POST
		SCALE: N.T.S.	DATE: MAY 2022 DWG. NO. 304-1



TYPICAL ROADWAY SECTION

ENGINEERING STANDARDS 2025

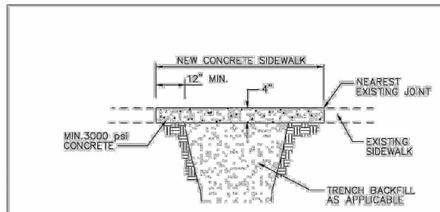
REVISIONS BY	DATE	ENGINEERING DIVISION CITY OF POMPANO BEACH	TYPICAL ROADWAY SECTION
S.S.	JUNE2005		
S.S.	JAN. 2018	SCALE: N.T.S.	DATE: MAY 2022 DWG. NO. 305-1



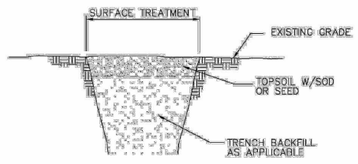
TYP. CONCRETE DRIVEWAY SWALE SECTION

ENGINEERING STANDARDS 2025

REVISIONS BY	DATE	ENGINEERING DIVISION CITY OF POMPANO BEACH	TYP. CONCRETE DRIVEWAY SWALE
S.S.	6/07	SCALE: N.T.S.	DATE: MAY 2022 DWG. NO. 305-2



SIDEWALK RESTORATION (TYPE II)



SWALE RESTORATION (TYPE I)

SURFACE RESTORATION

ENGINEERING STANDARDS 2025

REVISIONS BY	DATE	ENGINEERING DIVISION CITY OF POMPANO BEACH	SURFACE RESTORATION
S.S.	5/05/08	SCALE: N.T.S.	DATE: MAY 2022 DWG. NO. 306-1

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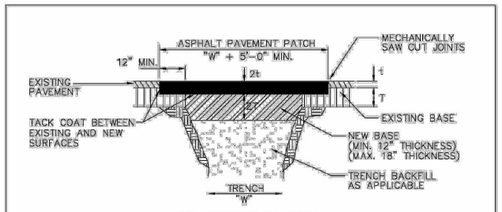
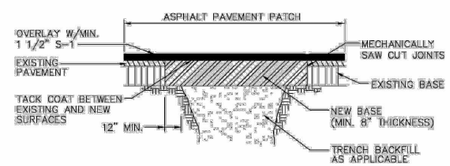


PERPENDICULAR ROAD CROSSINGS (TYPE III)

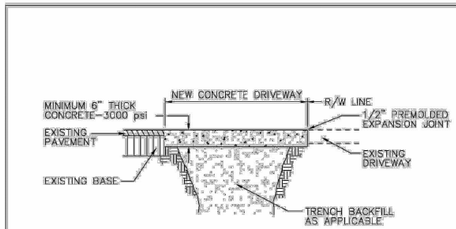


STANDARD PARALLEL ROAD RESTORATION (TYPE IV)

SURFACE RESTORATION

ENGINEERING STANDARDS 2025

REVISIONS BY	DATE	ENGINEERING DIVISION CITY OF POMPANO BEACH	SURFACE RESTORATION
		SCALE: N.T.S.	DATE: MAY 2022 DWG. NO. 306-2

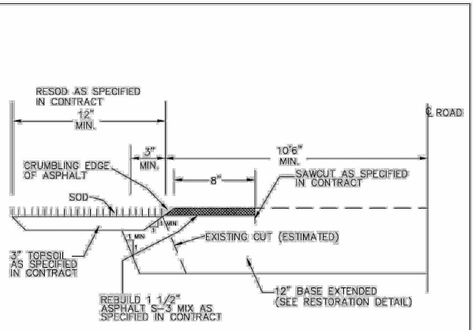


CONCRETE DRIVEWAY RESTORATION (TYPE V)

SURFACE RESTORATION

ENGINEERING STANDARDS 2025

REVISIONS BY	DATE	ENGINEERING DIVISION CITY OF POMPANO BEACH	SURFACE RESTORATION
		SCALE: N.T.S.	DATE: MAY 2022 DWG. NO. 306-3



EDGE OF PAVEMENT RESTORATION

ENGINEERING STANDARDS 2025

REVISIONS BY	DATE	ENGINEERING DIVISION CITY OF POMPANO BEACH	EDGE OF PAVEMENT RESTORATION
		SCALE: N.T.S.	DATE: MAY 2022 DWG. NO. 306-4

No.	REVISIONS	DATE	BY
1	UPDATED ALL STANDARD DETAILS TO 2025	7/24/25	MT

Kimley»Horn
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1920 WEKIVA WAY SUITE 200, WEST PALM BEACH, FL 33411
PHONE: 561-845-0665 FAX: 561-863-8175
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

KHA PROJECT	040985062
DATE	JULY 2025
SCALE	AS SHOWN
DESIGNED BY	MJM
DRAWN BY	MJM
CHECKED BY	TCJ

S.E. 6TH TERRACE BRIDGE REPLACEMENT

PREPARED FOR

CITY OF POMPANO BEACH

CITY OF POMPANO FLORIDA

LICENSED PROFESSIONAL

THOMAS C. JENSEN

FLORIDA LICENSE NUMBER 37290

DATE: _____

POMPANO STANDARD UTILITY DETAILS

SHEET NUMBER

C-13

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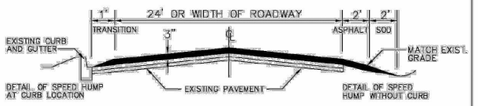
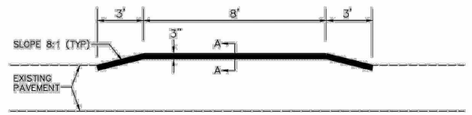


SECTION A-A

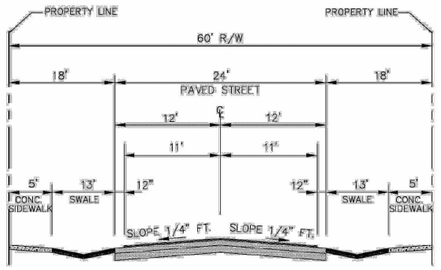


PROFILE VIEW

SPEED HUMP

ENGINEERING STANDARDS 2025

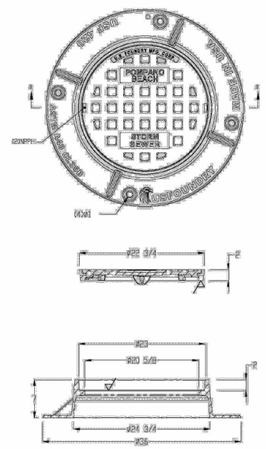
REVISIONS BY	DATE	ENGINEERING DIVISION CITY OF POMPANO BEACH	SPEED HUMP
T.L.G.	1/30/02		
S.S.	7/13/06		DATE: MAY 2022
		SCALE: N.T.S.	DWG. NO. 309-1



TYP. ROADWAY SECTION

ENGINEERING STANDARDS 2025

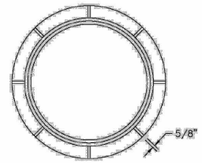
REVISIONS BY	DATE	ENGINEERING DIVISION CITY OF POMPANO BEACH	TYP. ROADWAY SECTION
			DATE: MAY 2022
		SCALE: N.T.S.	DWG. NO. 314-1



COVER FOR MANHOLES AND INLETS

ENGINEERING STANDARDS 2025

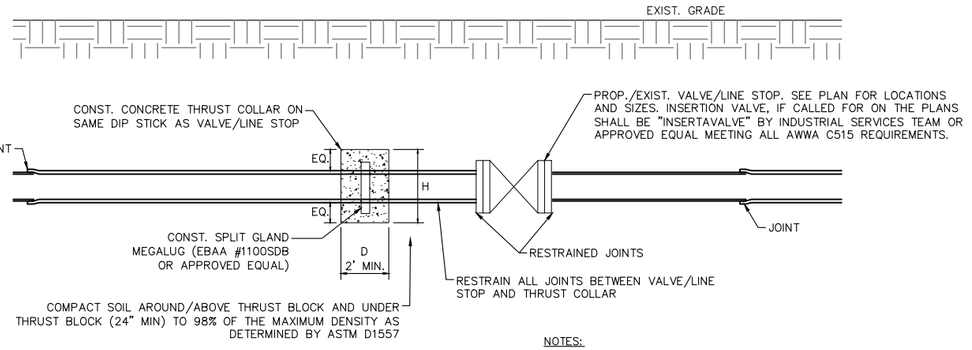
REVISIONS BY	DATE	ENGINEERING DIVISION CITY OF POMPANO BEACH	COVER FOR MANHOLES AND INLETS
A.S.	12/22		DATE: DEC 2022
		SCALE: N.T.S.	DWG. NO. 409-1



CAST IRON FRAME FOR MANHOLES

ENGINEERING STANDARDS 2025

REVISIONS BY	DATE	ENGINEERING DIVISION CITY OF POMPANO BEACH	CAST IRON FRAME FOR MANHOLES
			DATE: JUNE 2022
		SCALE: N.T.S.	DWG. NO. 411-1



NOTES:

1. LIFTS FOR BACKFILL COMPLETION SHALL BE 12" MAXIMUM

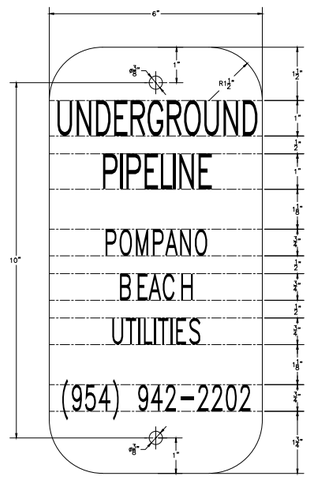
   HxWxD=2'-3"x4'-0"x2' MIN FOR 12" WM

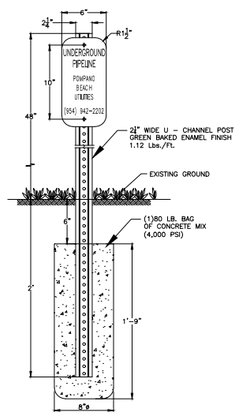
2. THRUST COLLAR MUST HAVE 25' UNDISTURBED SOIL ON EACH SIDE AT ALL TIMES WHEN VALVE IS CLOSED.

3. THRUST COLLAR NOT REQUIRED IF LINE STOP IS LOCATED A DISTANCE FROM THE EDGE OF THE TIE-IN EXCAVATION PIT THAT IS EQUAL TO OR GREATER THAN THE RESTRAINT LENGTH INDICATED IN THE TABLE SHOWN IN DETAIL W-8 FOR A PLUG/IN-LINE VALVE.

THRUST COLLAR FOR IN LINE VALVE / LINE STOP RESTRAINT DETAIL

N.T.S.





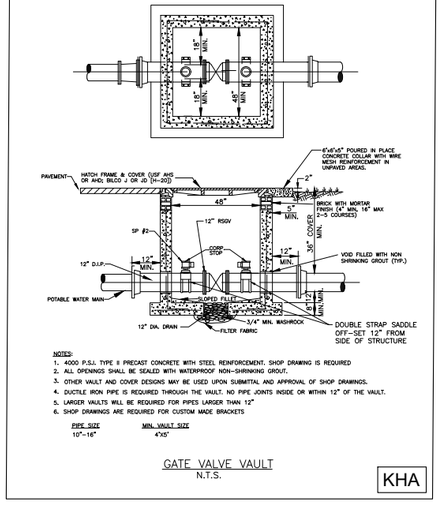
NOTE:

SIGNS SHALL BE 6" WIDE X 12" LONG, ALUMINUM (0.080 GA.). SIGN COLOR IS WHITE WITH BLACK LETTERING. ROUNDED CORNERS (1.5" RAD.), 2 HOLES (3/8" DIAM.), 10" O.C.

UTILITY CROSSING SIGN

N.T.S.

KHA



NOTES:
1. 4000 P.S.I. TYPE II PRECAST CONCRETE WITH STEEL REINFORCEMENT. SHOP DRAWING IS REQUIRED
2. ALL OPENINGS SHALL BE SEALED WITH WATERPROOF NON-SHRINKING GROUT.
3. OTHER VAULT AND COVER DESIGNS MAY BE USED UPON SUBMITTAL AND APPROVAL OF SHOP DRAWINGS.
4. DUCTILE IRON PIPE IS REQUIRED THROUGH THE VAULT. NO PIPE JOINTS INSIDE OR WITHIN 12" OF THE VAULT.
5. LARGER VAULTS WILL BE REQUIRED FOR PIPES LARGER THAN 12"
6. SHOP DRAWINGS ARE REQUIRED FOR CUSTOM MADE BRACKETS

PIPE SIZE	MIN. VAULT SIZE
10"-16"	4'x5'

GATE VALVE VAULT
N.T.S.

KHA

THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY THOMAS C. JENSEN ON DATE ADJACENT TO SEAL. PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ELECTRONIC COPIES.

No.	REVISIONS	DATE	BY
1	UPDATED ALL STANDARD DETAILS TO 2025	7/24/25	MT

Kimley»Horn
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WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

KHA PROJECT	040985062
DATE	JULY 2025
SCALE	AS SHOWN
DESIGNED BY	MJM
DRAWN BY	MJM
CHECKED BY	TCJ

CITY OF POMPANO — FLORIDA

S.E. 6TH TERRACE BRIDGE REPLACEMENT

PREPARED FOR
CITY OF POMPANO BEACH

LICENSED PROFESSIONAL
THOMAS C. JENSEN
FLORIDA LICENSE NUMBER
37290
DATE: ____

POMPANO STANDARD UTILITY DETAILS AND CONSTRUCTION DETAILS

SHEET NUMBER
C-14

Plotted By: Teddy, Mox July 25, 2025 12:09:56pm K:\WPB_Design\040985062_Pompano - SE 6th Terr\CADD\PlanSheets\Utilities\C-14 POMPANO STANDARD UTILITY DETAILS AND CONSTRUCTION DETAILS.dwg
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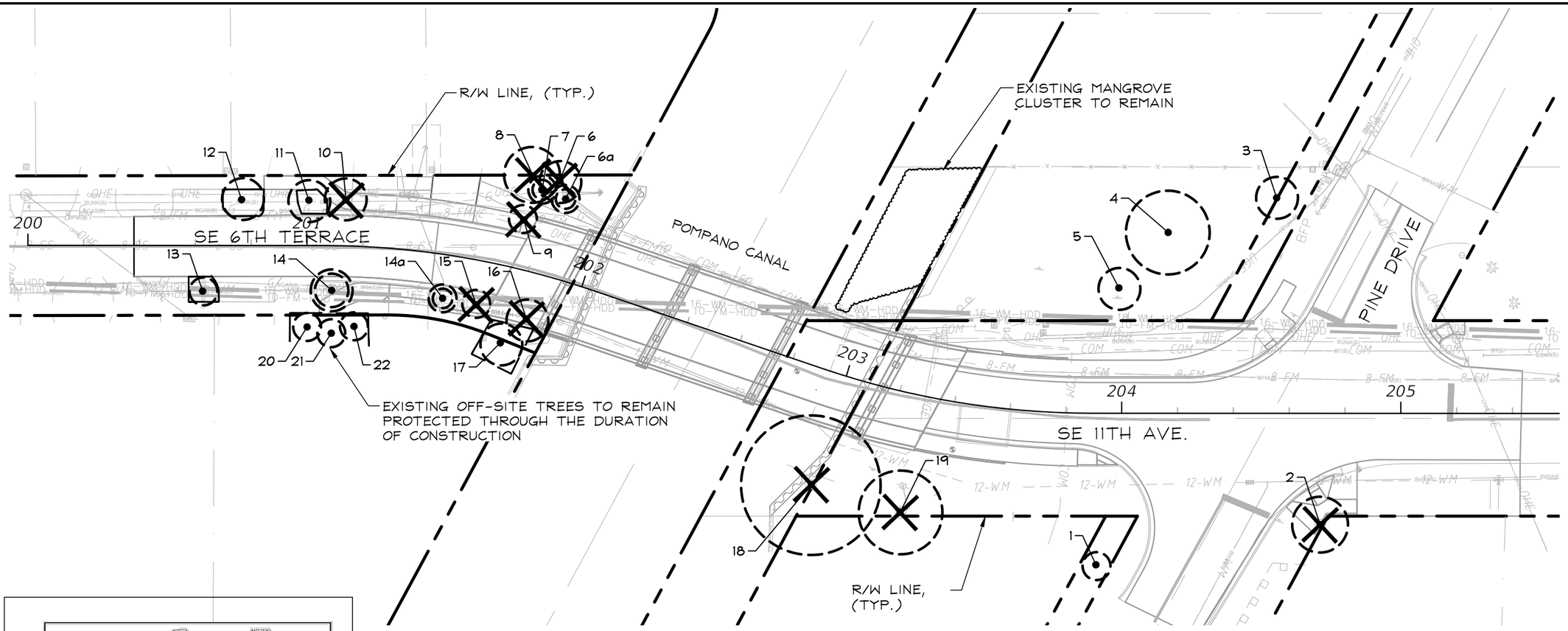
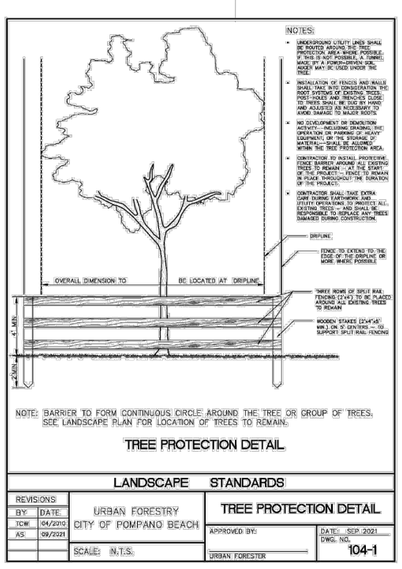


KEY:

	TREE TO REMAIN
	TREE TO BE REMOVED
	TREE TO BE RELOCATED
	TREE TO BE PROTECTED PER DETAIL ON SHEET



NOTE: BARRIER TO FORM CONTINUOUS CIRCLE AROUND THE TREE OR GROUP OF TREES. SEE LANDSCAPE PLAN FOR LOCATION OF TREES TO REMAIN.

TREE PROTECTION DETAIL

LANDSCAPE STANDARDS

REVISIONS			
BY:	DATE:	URBAN FORESTRY CITY OF POMPANO BEACH	TREE PROTECTION DETAIL
TCW	04/2010		
AS	09/2021		
SCALE: N.T.S.		APPROVED BY: URBAN FORESTER	DATE: SEP 2021 DWG. NO. 104-1

TREE DISPOSITION SUMMARY (NON-SPECIMEN)	
TOTAL TREES REMOVED	3
TOTAL TREES PROTECTED	2
TOTAL TREE RELOCATED	2
TOTAL PALMS REMOVED	6
TOTAL PALMS PROTECTED	9
TOTAL PALMS RELOCATED	2
DOLLAR VALUE REMOVED	$8374
DBH (INCHES) TO BE REMOVED	14
DBH (INCHES) PROVIDED	14

TREE DISPOSITION SUMMARY (SPECIMEN)	
SPECIMEN TREES REMOVED	1
DOLLAR VALUE REMOVED	$20,250
TREE CANOPY TRUST FUND CONTRIBUTION	$20,250

A QUALIFIED BROWARD COUNTY REGISTERED TREE TRIMMER IS REQUIRED TO APPLY FOR A CITY OF POMPANO BEACH TREE PERMIT (155.2411.C.3)

NORTH

GRAPHIC SCALE IN FEET
0 20 40 80

Plotted By:Garcia, Adan Sheet Set:SE 6th Terrace Layout:L0.00 TREE DISPOSITION PLAN May 01, 2025 03:09:16pm K:\WPB_URG\040985062 -SE 6th Terr\CAD\Plansheets\L0.00 TREE DISPOSITION PLAN.dwg

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No.	REVISIONS	DATE	BY

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PHONE: 561-845-0665 FAX: 561-863-8175
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

KHA PROJECT 040985062
DATE MAY 2025
SCALE AS SHOWN
DESIGNED BY JDH
DRAWN BY BAM
CHECKED BY JDH

S.E. 6TH TERRACE BRIDGE REPLACEMENT
PREPARED FOR
CITY OF POMPANO BEACH
CITY OF POMPANO FLORIDA

LICENSED PROFESSIONAL
JONATHAN D. HAIGH, PLA
FLORIDA LICENSE NUMBER 6666795
DATE: 05/01/2025

TREE DISPOSITION PLAN

SHEET NUMBER L0.00

NO.	BOTANICAL NAME	COMMON NAME	DBH (in)	HT (ft)	SPR (ft)	CONDITION	DISPOSITION	NOTES	VALUE
1	*Ptychosperma elegans*	Solitaire palm		20	10	90%	Remain		$630
2	***Bursera simaruba***	**Gumbo Limbo**	**14**	**25**	**20**	**95%**	**REMOVE**	**Leaning**	**N/A**
3	*Cocos nucifera*	Coconut Palm		30	15	90%	Remain	Leaning	$2,543
4	*Bucida buceras*	Black Olive	29	30	30	90%	Remain		$4,307
5	*Cocos nucifera*	Coconut Palm		12	15	90%	Remain	Leaning	$2,882
6	***Ravenala madagascariensis***	**Travelers Palm**				**0%**	**REMOVE**	**Dead**	**N/A**
6a	*Sabal palmetto*	Cabbage Palm		12	6	95%	Relocate		$261
7	*Sabal palmetto*	Cabbage Palm		10	10	95%	Relocate		$218
8	***Cocos nucifera***	**Coconut Palm**		**34**	**20**	**85%**	**REMOVE**		**$2,721**
9	***Wodyetia bifurcata***	**Foxtail Palm**		**8**	**10**	**55%**	**REMOVE**	**Dying**	**$165**
10	***Adonidia merrillii***	**Christmas Palm**		**18**	**15**	**95%**	**REMOVE**	**Double**	**$741**
11	*Adonidia merrillii*	Christmas Palm		17	15	95%	Remain	Double	$700
12	*Adonidia merrillii*	Christmas Palm		17	15	95%	Remain	Triple	$700
13	*Cordia sebestena*	Orange Geiger	9	15	10	75%	Remain		N/A
14	*Quercus virginiana*	Live Oak	9	20	15	90%	Relocate		N/A
14a	*Quercus virginiana*	Live Oak	11	15	10	90%	Relocate		N/A
15	***Cocos nucifera***	**Coconut Palm**		**30**	**10**	**90%**	**REMOVE**		**$2,204**
16	***Cocos nucifera***	**Coconut Palm**		**30**	**15**	**90%**	**REMOVE**	**Leaning**	**$2,543**
17	*Cocos nucifera*	Coconut Palm		30	15	90%	Remain		$2,543
18	***Coccoloba uvifera***	**Sea grape Tree**	**60**	**35**	**50**	80%	**REMOVE**	**Multi- trunk tree**	**$20,250**
19	***Schefflera actinophylla***	**Umbrella Tree**		**30**	**30**	**25%**	**REMOVE**	**Cat. I Invasive**	**$0**
20	*Wodyetia bifurcata*	Foxtail Palm		24	12	95%	Remain	Off Site	$855
21	*Wodyetia bifurcata*	Foxtail Palm		**22**	12	95%	Remain	Off Site	$784
22	*Wodyetia bifurcata*	Foxtail Palm		22	12	95%	Remain	Off Site	$784

Plotted By:Garcia, Adan Sheet Set:SE 6th Terrace Layout:L0.01 TREE DISPOSITION PLAN May 01, 2025 03:09:17pm K:\WPB_URG\040985062 - SE 6th Terr\CAD\Plansheets\L0.00 TREE DISPOSITION PLAN.dwg

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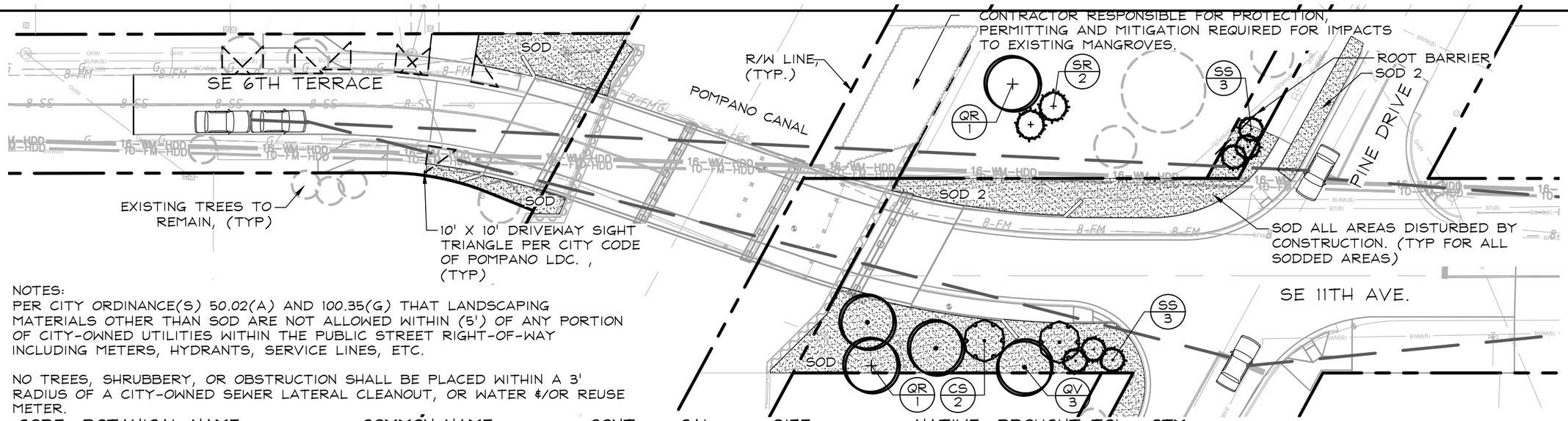
KHA PROJECT 040985062
DATE MAY 2025
SCALE AS SHOWN
DESIGNED BY JDH
DRAWN BY BAM
CHECKED BY JDH

S.E. 6TH TERRACE BRIDGE REPLACEMENT
PREPARED FOR
CITY OF POMPANO BEACH
CITY OF POMPANO FLORIDA

LICENSED PROFESSIONAL
JONATHAN D. HAIGH, PLA
FLORIDA LICENSE NUMBER 6666795
DATE: 05/01/2025

TREE DISPOSITION PLAN

SHEET NUMBER
L0.01



NOTES:
PER CITY ORDINANCE(S) 50.02(A) AND 100.35(G) THAT LANDSCAPING MATERIALS OTHER THAN SOD ARE NOT ALLOWED WITHIN (5') OF ANY PORTION OF CITY-OWNED UTILITIES WITHIN THE PUBLIC STREET RIGHT-OF-WAY INCLUDING METERS, HYDRANTS, SERVICE LINES, ETC.

NO TREES, SHRUBBERY, OR OBSTRUCTION SHALL BE PLACED WITHIN A 3' RADIUS OF A CITY-OWNED SEWER LATERAL CLEANOUT, OR WATER &/OR REUSE METER.

CODE	BOTANICAL NAME	COMMON NAME	CONT	CAL	SIZE	NATIVE	DROUGHT TOL.	QTY
TREES								
CS	Conocarpus erectus f. sericeus Standard, 4' Min. CT	Silver Buttonwood	Cont.	2.5" CAL.	10' HT x 4' SPR	Yes	Yes	2
QR	Quercus virginiana	Southern Live Oak	Relocated			Yes		2
QV	Quercus virginiana	Southern Live Oak	Cont.	3" Cal.	12' HT x 5' SPR	Yes	Yes	3
SR	Sabal palmetto	Cabbage Palmetto	Relocated			Yes		2
SS	Sabal palmetto Slick Trunk, Stagger HTs in grouping	Cabbage Palmetto	F.G.		14' - 20' CT	Yes	Yes	6

CODE	BOTANICAL NAME	COMMON NAME	CONT	O.C.	SIZE	NATIVE	DROUGHT TOL.	QTY
GROUND COVERS								
SOD	Paspalum notatum 'Argentine'	Argentine Bahiagrass	SOD					± 4,012 sf
SOD2	Stenotaphrum secundatum 'Palmetto'	Palmetto St. Augustine Grass	SOD					± 2,047 sf

PLANTING NOTES:

1. CONTRACTOR SHALL REFER TO THE LANDSCAPE PLANTING DETAILS, PLANT LIST, GENERAL NOTES AND ALL CONTRACT DOCUMENTS FOR FURTHER AND COMPLETE INSTRUCTIONS.
2. PLANT LIST QUANTITIES ARE PROVIDED FOR CONVENIENCE. IN THE EVENT OF QUANTITY DISCREPANCIES THE DRAWING SHALL TAKE PRECEDENCE. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE LANDSCAPE ARCHITECT PRIOR TO BIDDING.
3. PLANT SIZES LISTED ARE THE MINIMUM SIZE THAT WILL BE ACCEPTED FOR THAT PLANT.
4. ANY SUBSTITUTION IN SIZE AND/OR PLANT MATERIAL MUST BE APPROVED BY THE LANDSCAPE ARCHITECT IN WRITING. ALL PLANTS WILL BE SUBJECT TO APPROVAL BY LANDSCAPE ARCHITECT AND/OR OWNERS REPRESENTATIVE BEFORE PLANTING CAN BEGIN.
5. CONTRACTOR SHALL FIELD ADJUST LOCATION OF PLANT MATERIAL AS NECESSARY TO AVOID DAMAGE TO EXISTING UNDERGROUND UTILITIES AND/OR INTERFERE WITH EXISTING ABOVE GROUND ELEMENTS. ALL CHANGES REQUIRED SHALL BE COMPLETED AT THE CONTRACTOR'S EXPENSE AND SHALL BE COORDINATED WITH THE OWNER'S REPRESENTATIVE AND THE LANDSCAPE ARCHITECT.
6. THE CONTRACTOR SHALL BEAR ALL COSTS OF TESTING OF SOILS, AMENDMENTS, ETC. ASSOCIATED WITH THE WORK AND INCLUDED IN THE SPECIFICATIONS.
7. CONTRACTOR SHALL FAMILIARIZE HIM/HERSELF WITH THE LIMITS OF WORK AND EXISTING CONDITIONS AND VERIFY ALL INFORMATION. IF DISCREPANCIES EXIST, CONTRACTOR SHALL NOTIFY OWNER'S REPRESENTATIVE IN WRITING WITHIN SEVEN CALENDAR DAYS OF NOTICE TO PROCEED.
8. ALL NEW AND TRANSPLANTED PLANT MATERIAL SHALL BE IRRIGATED BY AN AUTOMATIC UNDERGROUND IRRIGATION SYSTEM.
9. A PRE-CONSTRUCTION MEETING WITH THE CITY'S URBAN FORESTRY DIVISION IS REQUIRED PRIOR TO COMMENCEMENT OF ANY WORK ON SITE.
10. TREE PROTECTION BARRIERS SHALL BE INSTALLED PRIOR TO ANY WORK COMMENCING ONSITE AND TO INCLUDE EROSION CONTROL DEVICES.
11. BUBBLERS SHALL BE REQUIRED FOR ALL NEW TREES.
12. IRRIGATION SYSTEM SHALL PROVIDE 100 PERCENT COVERAGE WITH 50 PERCENT OVERLAP.

NORTH

GRAPHIC SCALE IN FEET
0 20 40 80

No.	REVISIONS	DATE	BY

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LICENSED PROFESSIONAL
JONATHAN D. HAIGH, PLA
FLORIDA LICENSE NUMBER 6666795
DATE: 05/01/2025

LANDSCAPE PLAN

SHEET NUMBER L1.00

Plotted By:Garcia, Adan Sheet Set:SE 6th Terrace Layout:L1.00 LANDSCAPE PLAN May 01, 2025 03:09:31pm K:\WPB_URG\040985062 -SE 6th Terr\CAD\Plansheets\L1.00 LANDSCAPE PLAN.dwg
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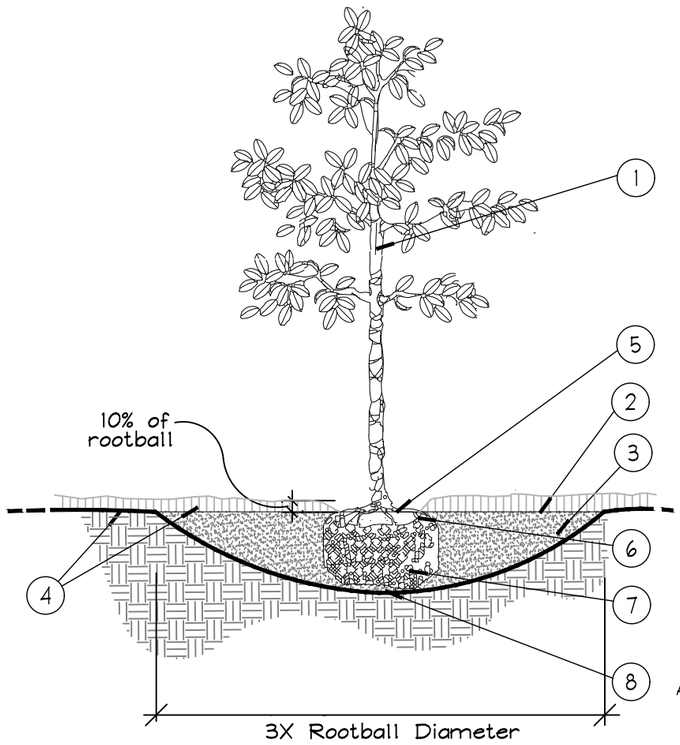


1. TRUNK
2. 3" MINIMUM OF MULCH AS SPECIFIED. WHERE TREES ARE PLACED IN SOD, MULCH RING FOR TREES COVER ROOTBALL SIDES AND EXTEND 18" BEYOND ON ALL SIDES. NO MULCH SHALL BE PLACED OVER TRUNK.
3. SHALLOW/ WIDE PLANT HOLE; TOP SHALL BE 3X THE SIZE OF ROOTBALL.
4. FINISHED GRADE - LANDSCAPE SOIL
5. FIND TOP-MOST ROOT ON ROOTBALL; POSITION ROOTBALL SO THIS TOP ROOT IS 1-2" ABOVE LANDSCAPE SOIL. (APPROX. 10% OF ROOTBALL SHALL BE ABOVE LANDSCAPE SOIL)
6. B & B OR CONTAINER (SEE SPECIFICATIONS FOR ROOT BALL REQUIREMENTS).
7. REMOVE ALL SYNTHETIC MATERIALS FROM ROOTBALL.
8. ROOTBALLS SHALL BE PLACED ON UNDISTURBED SOIL TO PREVENT SETTLING.

NOTES:

A. CONTRACTOR SHALL ASSURE PERCOLATION OF ALL PLANTING PITS PRIOR TO INSTALLATION.

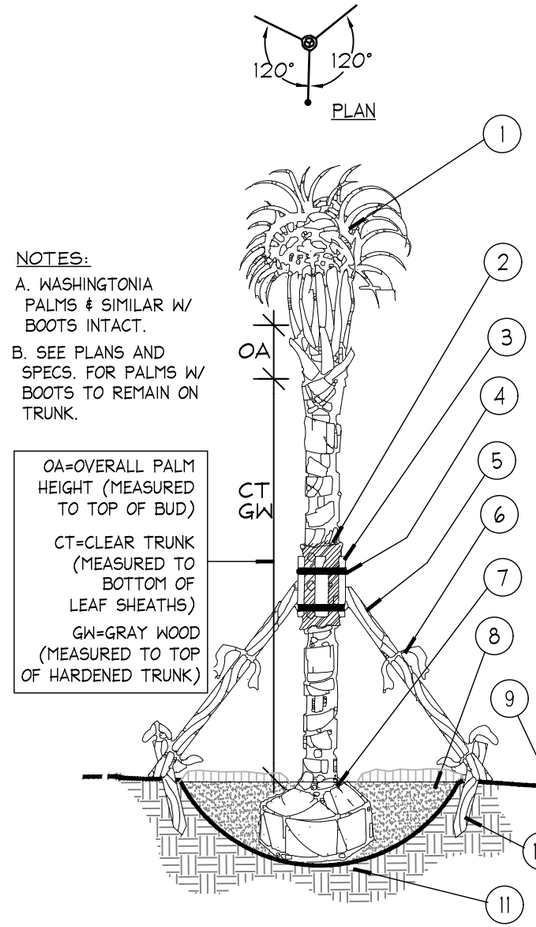
B. FINAL TREE STAKING DETAILS AND PLACEMENT TO BE APPROVED BY OWNER.

C. SEE PRE-APPROVED STAKING METHODS, THIS SHEET

* ALL TREES SHALL BE PLUMB VERTICALLY WITHIN A TOLERANCE OF THREE DEGREES, UNLESS OTHERWISE DIRECTED BY OWNER'S REPRESENTATIVE.

A Tree Planting

SECTION NTS



NOTES:

A. WASHINGTONIA PALMS & SIMILAR W/ BOOTS INTACT.

B. SEE PLANS AND SPECS. FOR PALMS W/ BOOTS TO REMAIN ON TRUNK.

OA=OVERALL PALM HEIGHT (MEASURED TO TOP OF BUD)

CT=CLEAR TRUNK (MEASURED TO BOTTOM OF LEAF SHEATHS)

GW=GRAY WOOD (MEASURED TO TOP OF HARDENED TRUNK)

1. MINIMUM OF NINE (9) GOOD PALM FRONDS; PRUNE AND TIE FRONDS WITH HEMP TWINE. SABAL PALMS TO BE SELECTIVELY "HURRICANE CUT", LEAVING ONLY NEWLY-EMERGING GROWTH.
2. 5 LAYERS OF BURLAP TO PROTECT TRUNK.
3. FIVE (5) 18"L, 2X4 WOOD BATTENS. UNTREATED, #2
4. SECURE BATTENS WITH TWO (2) 3/4" CARBON STEEL BANDS TO HOLD BATTENS IN PLACE. NO NAILS SHALL BE DRIVEN INTO PALM. HEIGHT OF BATTENS SHALL BE LOCATED PROPORTIONATELY TO THE HEIGHT OF THE PALM FOR ADEQUATE BRACING.
5. THREE (3) 8'L 2X4 SUPPORTS. NAIL (DRILL AND NAIL IF NECESSARY) TO BATTENS AND 2" X 4" STAKES. PALMS SHALL BE PLUMB VERTICALLY UNLESS OTHERWISE NOTED.
6. PROVIDE FLAGGING AT MIDPOINT AND BASE OF SUPPORTS.
7. TOP-MOST ROOT SHALL BE VISIBLE AT THE SURFACE OF THE ROOTBALL, SLIGHTLY ABOVE SURROUNDING GRADE.
8. 3" SPECIFIED MULCH
9. FINISH GRADE
10. 24"L (MIN.) 2X4 P.T. WOOD STAKES, NAIL TO SUPPORT POLES
11. PREPARED PLANTING SOIL AS SPECIFIED
12. ALTERNATE PALM ANCHORING SYSTEMS MAY BE SUBSTITUTED UPON APPROVAL BY OWNER OR OWNER'S REPRESENTATIVE

PRE-APPROVED SYSTEMS:
*BROOKS TREE BRACE SYSTEM
*ARBOR TIE TREE BRACING

B Palm Planting and Staking

SECTION NTS

Plotted By:Garcia, Adan Sheet Set:SE 6th Terrace Layout:L1.10 LANDSCAPE DETAILS AND NOTES May 01, 2025 03:09:34pm K:\WPB_URG\040985062 -SE 6th Terr\CAD\Plansheets\L1.00 LANDSCAPE PLAN.dwg

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KHA PROJECT	040985062
DATE	MAY 2025
SCALE	AS SHOWN
DESIGNED BY	JDH
DRAWN BY	BAM
CHECKED BY	JDH

S.E. 6TH TERRACE BRIDGE REPLACEMENT

PREPARED FOR

CITY OF POMPANO BEACH

CITY OF POMPANO FLORIDA

LICENSED PROFESSIONAL

JONATHAN D. HAIGH, PLA

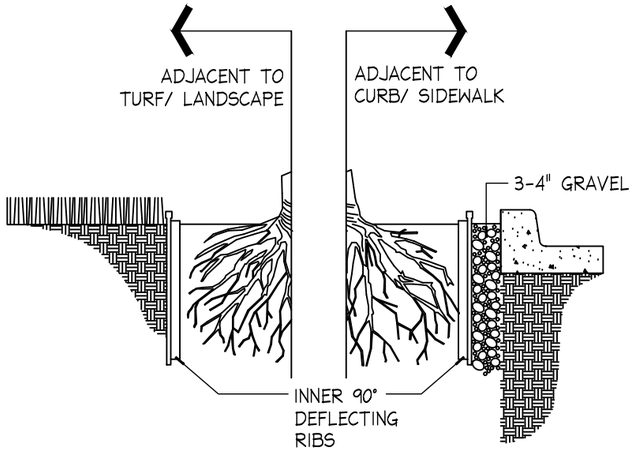
FLORIDA LICENSE NUMBER 6666795

DATE: 05/01/2025

LANDSCAPE DETAILS

SHEET NUMBER

L1.50



LINEAR APPLICATION

ROOT BARRIER BY: Century Root Barrier (714)632-7083
(or) DeepRoot (800)458-7668

(or approved equal)

SIZE: 36" D

MATERIAL: POLYETHYLENE WITH ULTRAVIOLET INHIBITORS

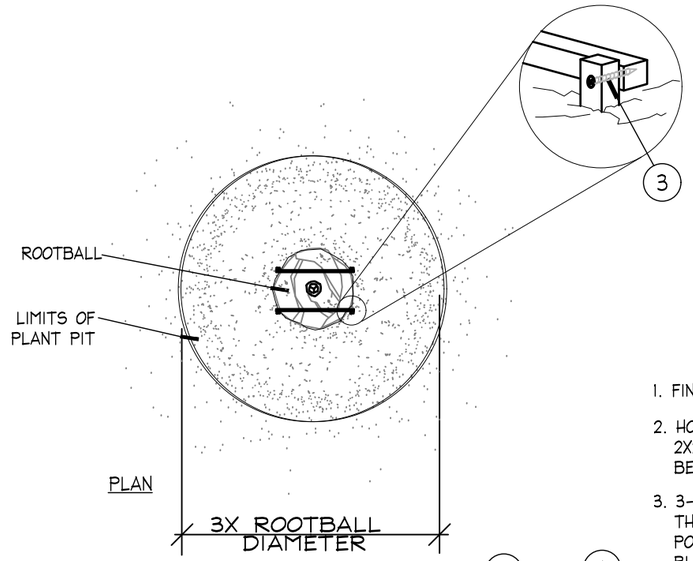
THICKNESS: .085 IN. (min.)

NOTES:

1. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
2. INSTALL AS REQUIRED, PER PLAN NOTES.
3. SUBMIT PRODUCT DATA FOR APPROVAL.

C Root Barrier

Barrier Detail NTS



1. FINISH GRADE
2. HORIZONTAL 2X2 SCREWED TO 2X2 STAKE. ALL WOOD SHALL BE #2 UNTREATED.
3. 3-1/2" DRYWALL SCREW, THREAD SIZE 12, SHARP POINT, FULL THREAD, BLACK PHOSPHATE FINISH
4. VERTICAL STAKES SHALL ABUT SIDE OF ROOTBALL
5. STAKES TO EXTEND INTO NATIVE SOIL BY 1-1/2 X THE ROOTBALL DEPTH MIN.

NOTE:

IF SPATIAL REQUIREMENTS PRECLUDE STAKING WITH THIS METHOD, SUBMIT ALTERNATE FOR LANDSCAPE ARCHITECT'S APPROVAL PRIOR TO INSTALLING PLANT.

* Refer to details B and D for planting

D Staking - up to 65 gal. or B$B to 3-1/2" Cal.

PLAN/SECTION NTS

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PREPARED FOR
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CITY OF POMPANO FLORIDA

LICENSED PROFESSIONAL
JONATHAN D. HAIGH, PLA
FLORIDA LICENSE NUMBER
6666795
DATE: 05/01/2025

LANDSCAPE DETAILS

SHEET NUMBER
L1.51

GENERAL LANDSCAPE SPECIFICATIONS AND NOTES

A. SCOPE OF WORK

1. THE WORK CONSISTS OF: FURNISHING ALL LABOR, MATERIALS, EQUIPMENT, TOOLS, TRANSPORTATION, AND ANY OTHER APPURTENANCES NECESSARY FOR THE COMPLETION OF THIS PROJECT AS SHOWN ON THE DRAWINGS, AS INCLUDED IN THE PLANT LIST, AND AS HEREIN SPECIFIED.
2. WORK SHALL INCLUDE MAINTENANCE AND WATERING OF ALL CONTRACT PLANTING AREAS UNTIL CERTIFICATION OF ACCEPTABILITY BY THE OWNER.

B. PROTECTION OF EXISTING STRUCTURES

ALL EXISTING BUILDINGS, WALKS, WALLS, PAVING, PIPING, OTHER SITE CONSTRUCTION ITEMS, AND PLANTING ALREADY COMPLETED OR ESTABLISHED SHALL BE PROTECTED FROM DAMAGE BY THE CONTRACTOR UNLESS OTHERWISE SPECIFIED. ALL DAMAGE RESULTING FROM NEGLIGENCE SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE OWNER, AT NO COST TO THE OWNER.

C. PROTECTION OF EXISTING PLANT MATERIALS OUTSIDE LIMIT OF WORK

THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL UNAUTHORIZED CUTTING OR DAMAGE TO TREES AND SHRUBS EXISTING OR OTHERWISE, CAUSED BY CARELESS EQUIPMENT OPERATION, MATERIAL STOCKPILING, ETC. THIS SHALL INCLUDE COMPACTION BY DRIVING OR PARKING INSIDE THE DRIP-LINE AND SPILLING OIL, GASOLINE, OR OTHER DELETERIOUS MATERIALS WITHIN THE DRIP-LINE. NO MATERIALS SHALL BE BURNED WHERE HEAT WILL DAMAGE ANY PLANT. EXISTING TREES KILLED OR DAMAGED SO THAT THEY ARE MISSHAPEN AND/ OR UNSIGHTLY SHALL BE REPLACED AT THE COST TO THE CONTRACTOR OF ONE HUNDRED DOLLARS ($100) PER CALIPER INCH ON AN ESCALATING SCALE WHICH ADDS AN ADDITIONAL TWENTY (20) PERCENT PER INCH OVER FOUR (4) INCHES CALIPER AS FIXED AND AGREED LIQUIDATED DAMAGES. CALIPER SHALL BE MEASURED SIX (6) INCHES ABOVE GROUND LEVEL FOR TREES UP TO AND INCLUDING FOUR (4) INCHES IN CALIPER AND TWELVE (12) INCHES ABOVE GROUND LEVEL FOR TREES OVER FOUR (4) INCHES IN CALIPER.

D. MATERIALS

1. GENERAL

MATERIALS LISTED BELOW SHALL BE SUBMITTED FOR APPROVAL. UPON SUBMITTALS' APPROVAL, DELIVERY OF MATERIALS MAY COMMENCE.

MATERIAL	SUBMITTAL
MULCH	PRODUCT DATA
TOPSOIL MIX	AMENDMENT MIX/ PRODUCT DATA/ TEST RESULTS
PLANTS	PHOTOGRAPHS OF ONE (1) OF EACH SPECIES (OR TAGGED IN NURSERY) CLIENT-REQUESTED TAGGING MAY SUBSTITUTE PHOTOS. INDICATE SIZES (HEIGHT/WIDTH) AND QUALITY PER SPEC.
FERTILIZER	PRODUCT DATA
INNOCULANT	PRODUCT DATA
HERBICIDE	PRODUCT DATA
STAKING/GUYING	FOR ALTERNATE TO DETAILS: SEND PRODUCT DATA, DETAIL

2. PLANT MATERIALS

A. PLANT SPECIES AND SIZE SHALL CONFORM TO THOSE INDICATED ON THE DRAWINGS. NOMENCLATURE SHALL CONFORM TO STANDARDIZED PLANT NAMES, 1942 EDITION. ALL NURSERY STOCK SHALL BE IN ACCORDANCE WITH GRADES AND STANDARDS FOR NURSERY PLANTS, LATEST EDITION, PUBLISHED BY THE FLORIDA DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES. ALL PLANTS SHALL BE FLORIDA GRADE NO. 1 OR BETTER AS DETERMINED BY THE FLORIDA DIVISION OF PLANT INDUSTRY. ALL PLANTS SHALL BE HEALTHY, VIGOROUS, SOUND, WELL-BRANCHED, AND FREE OF DISEASE AND INSECTS, INSECT EGGS AND LARVAE AND SHALL HAVE ADEQUATE ROOT SYSTEMS. TREES FOR PLANTING IN ROWS SHALL BE UNIFORM IN SIZE AND SHAPE. ALL MATERIALS SHALL BE SUBJECT TO APPROVAL BY THE OWNER. WHERE ANY REQUIREMENTS ARE OMITTED FROM THE PLANT LIST, THE PLANTS FURNISHED SHALL BE NORMAL FOR THE VARIETY. PLANTS SHALL BE PRUNED PRIOR TO DELIVERY ONLY WITH APPROVAL FROM OWNER OR OWNER'S REPRESENTATIVE. NO SUBSTITUTIONS SHALL BE MADE WITHOUT WRITTEN PERMISSION FROM THE OWNER'S REPRESENTATIVE

B. MEASUREMENTS: THE HEIGHT AND/OR WIDTH OF TREES SHALL BE MEASURED FROM THE GROUND OR ACROSS THE NORMAL SPREAD OF BRANCHES WITH THE PLANTS IN THEIR NORMAL POSITION. THIS MEASUREMENT SHALL NOT INCLUDE THE IMMEDIATE TERMINAL GROWTH. PLANTS LARGER IN SIZE THAN THOSE SPECIFIED IN THE PLANT LIST MAY BE USED IF APPROVED BY THE OWNER. IF THE USE OF LARGER PLANTS IS APPROVED, THE BALL OF EARTH OR SPREAD OF ROOTS SHALL BE INCREASED IN PROPORTION TO THE SIZE OF THE PLANT.

C. INSPECTION: PLANTS SHALL BE SUBJECT TO INSPECTION AND APPROVAL AT THE PLACE OF GROWTH, OR UPON DELIVERY TO THE SITE, AS DETERMINED BY THE OWNER, FOR QUALITY, SIZE, AND VARIETY; SUCH APPROVAL SHALL NOT IMPAIR THE RIGHT OF INSPECTION AND REJECTION AT THE SITE DURING PROGRESS OF THE WORK OR AFTER COMPLETION FOR SIZE AND CONDITION OF ROOT BALLS OR ROOTS, LATENT DEFECTS OR INJURIES. REJECTED PLANTS SHALL BE REMOVED IMMEDIATELY FROM THE SITE. NOTICE REQUESTING INSPECTION SHALL BE SUBMITTED IN WRITING BY THE CONTRACTOR AT LEAST ONE (1) WEEK PRIOR TO ANTICIPATED DATE.

E. SOIL MIXTURE (PLANTING MEDIUM, PLANTING MIX, TOPSOIL MIX)

1. SOIL MIXTURE (PLANTING MEDIUM FOR PLANT PITS) SHALL CONSIST OF 30% CLEAN FLORIDA MUCK AND 70% PARTS CLEAN SAND. IT SHALL CONTAIN THREE (3) TO FIVE (5) PERCENT DECOMPOSED ORGANIC MATTER AND A PH BETWEEN 5.5 AND 7.0 - SUBMIT SAMPLE AND PH TESTING RESULTS FOR APPROVAL.
2. MUCK (OR MUCKY PEAT) FOR USE IN PREPARING SOIL MIXTURE FOR BACKFILLING PLANT PITS SHALL BE FERTILE, AND OF A VERY HIGH ORGANIC CONTENT DERIVED FROM FLORIDA SOURCES; REASONABLY FREE OF SUBSOIL, CLAY LUMPS, BRUSH WEEDS AND OTHER LITTER; FREE OF ROOTS, STUMPS, STONES LARGER THAN 2" IN ANY DIRECTION, AND OTHER EXTRANEOUS OR TOXIC MATTER HARMFUL TO PLANT GROWTH.
3. SAND FOR USE IN PREPARING SOIL MIXTURE SHALL BE COARSE, CLEAN, WELL-DRAINING, NATIVE SAND. CONTRACTOR SHALL SUBMIT RESULTS OF SOIL TESTS FOR TOPSOIL AND SAND PROPOSED FOR USE UNDER THIS CONTRACT FOR APPROVAL BY THE OWNER.
4. TREES SHALL BE PLANTED IN THE EXISTING NATIVE SOIL ON SITE, UNLESS DETERMINED TO BE UNSUITABLE - AT WHICH POINT THE CONTRACTOR SHALL CONTACT LANDSCAPE ARCHITECT TO DISCUSS ALTERNATE RECOMMENDATION PRIOR TO PLANTING.

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KHA PROJECT 040985062
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S.E. 6TH TERRACE BRIDGE REPLACEMENT
PREPARED FOR
CITY OF POMPANO BEACH
CITY OF POMPANO FLORIDA

LICENSED PROFESSIONAL
JONATHAN D. HAIGH, PLA
FLORIDA LICENSE NUMBER 6666795
DATE: 05/01/2025

LANDSCAPE NOTES

SHEET NUMBER L1.52

5. CONTRACTOR TO SUBMIT SAMPLES OF SOIL MIXTURE FOR OWNER'S REPRESENTATIVE APPROVAL PRIOR TO PLANT INSTALLATION OPERATIONS COMMENCE.

F. WATER

WATER NECESSARY FOR PLANTING AND MAINTENANCE SHALL BE OF SATISFACTORY QUALITY TO SUSTAIN AN ADEQUATE PLANT GROWTH AND SHALL NOT CONTAIN HARMFUL, NATURAL OR MAN-MADE ELEMENTS DETRIMENTAL TO PLANTS. WATER MEETING THE ABOVE STANDARD SHALL BE OBTAINED ON THE SITE FROM THE OWNER, IF AVAILABLE, AND THE CONTRACTOR SHALL BE RESPONSIBLE TO MAKE ARRANGEMENTS FOR ITS USE BY HIS TANKS, HOSES, SPRINKLERS, ETC.. IF SUCH WATER IS NOT AVAILABLE AT THE SITE, THE CONTRACTOR SHALL PROVIDE SATISFACTORY WATER FROM SOURCES OFF THE SITE AT NO ADDITIONAL COST TO THE OWNER.

*WATERING/IRRIGATION RESTRICTIONS MAY APPLY - REFER TO PROPERTY'S JURISDICTIONAL AUTHORITY.

G. FERTILIZER

CONTRACTOR SHALL PROVIDE FERTILIZER APPLICATION SCHEDULE TO OWNER, AS APPLICABLE TO SOIL TYPE, PLANT INSTALLATION TYPE, AND SITE'S PROPOSED USE. SUGGESTED FERTILIZER TYPES SHALL BE ORGANIC OR OTHERWISE NATURALLY-DERIVED.

*FERTILIZER RESTRICTIONS MAY APPLY - REFER TO PROPERTY'S JURISDICTIONAL AUTHORITY.

H. MULCH

MULCH MATERIAL SHALL BE MOISTENED AT THE TIME OF APPLICATION TO PREVENT WIND DISPLACEMENT, AND APPLIED AT A MINIMUM DEPTH OF 3 INCHES. CLEAR MULCH FROM EACH PLANT'S CROWN (BASE). TYPE OF MATERIAL: "FLORIMULCH" OR SHREDDED, STERILE EUCALYPTUS MULCH

I. DIGGING AND HANDLING

1. PROTECT ROOTS OR ROOT BALLS OF PLANTS AT ALL TIMES FROM SUN, DRYING WINDS, WATER AND FREEZING, AS NECESSARY UNTIL PLANTING. PLANT MATERIALS SHALL BE ADEQUATELY PACKED TO PREVENT DAMAGE DURING TRANSIT. TREES TRANSPORTED MORE THAN TEN (10) MILES OR WHICH ARE NOT PLANTED WITHIN THREE (3) DAYS OF DELIVERY TO SITE SHALL BE SPRAYED WITH AN ANTITRANSPIRANT PRODUCT ("WILTPRUF" OR EQUAL) TO MINIMIZE TRANSPIRATIONAL WATER LOSS.
2. BALLED AND BURLAPPED PLANTS (B#B) SHALL BE DUG WITH FIRM, NATURAL BALLS OF SOIL OF SUFFICIENT SIZE TO ENCOMPASS THE FIBROUS AND FEEDING ROOTS OF THE PLANTS. NO PLANTS MOVED WITH A ROOT BALL SHALL BE PLANTED IF THE BALL IS CRACKED OR BROKEN. PLANTS BALLED AND BURLAPPED OR CONTAINER GROWN SHALL NOT BE HANDLED BY STEMS.
3. PLANTS MARKED "BR" IN THE PLANT LIST SHALL BE DUG WITH BARE ROOTS, COMPLYING WITH FLORIDA GRADES AND STANDARDS FOR NURSERY PLANTS, CURRENT EDITION. CARE SHALL BE EXERCISED THAT THE ROOTS DO NOT DRY OUT DURING TRANSPORTATION AND PRIOR TO PLANTING.
4. PROTECTION OF PALMS (IF APPLICABLE): ONLY A MINIMUM OF FRONDS SHALL BE REMOVED FROM THE CROWN OF THE PALM TREES TO FACILITATE MOVING AND HANDLING. CLEAR TRUNK (CT) SHALL BE AS SPECIFIED AFTER THE MINIMUM OF FRONDS HAVE BEEN REMOVED. ALL PALMS SHALL BE BRACED PER PALM PLANTING DETAIL.
5. EXCAVATION OF TREE PITS SHALL BE PERFORMED USING EXTREME CARE TO AVOID DAMAGE TO SURFACE AND SUBSURFACE ELEMENTS SUCH AS UTILITIES OR HARDSCAPE ELEMENTS, FOOTERS AND PREPARED SUB- BASES.

J. CONTAINER GROWN STOCK

1. ALL CONTAINER GROWN MATERIAL SHALL BE HEALTHY, VIGOROUS, WELL-ROOTED PLANTS ESTABLISHED IN THE CONTAINER IN WHICH THEY ARE SOLD. THE PLANTS SHALL HAVE TOPS WHICH ARE OF GOOD QUALITY AND ARE IN A HEALTHY GROWING CONDITION, FLORIDA #1 OR BETTER.
2. AN ESTABLISHED CONTAINER GROWN PLANT SHALL BE TRANSPLANTED INTO A CONTAINER AND GROWN IN THAT CONTAINER SUFFICIENTLY LONG FOR THE NEW FIBROUS ROOTS TO HAVE DEVELOPED SO THAT THE ROOT MASS WILL RETAIN ITS SHAPE AND HOLD TOGETHER WHEN REMOVED FROM THE CONTAINER. CONTAINER GROWN STOCK SHALL NOT BE HANDLED BY THEIR STEMS.
3. PLANT ROOTS BOUND IN CONTAINERS ARE NOT ACCEPTABLE.
4. SUBSTITUTION OF NON-CONTAINER GROWN MATERIAL FOR MATERIAL EXPLICITLY SPECIFIED TO BE CONTAINER GROWN WILL NOT BE PERMITTED WITHOUT WRITTEN APPROVAL IS OBTAINED FROM THE OWNER OR OWNER'S REPRESENTATIVE.

WHEN THE USE OF COLLECTED STOCK IS PERMITTED AS INDICATED BY THE OWNER OR OWNER'S REPRESENTATIVE, THE MINIMUM SIZES OF ROOTBALLS SHALL BE EQUAL TO THAT SPECIFIED FOR THE NEXT LARGER SIZE OF NURSERY GROWN STOCK OF THE SAME VARIETY.

PLANTS COLLECTED FROM WILD OR NATIVE STANDS SHALL BE CONSIDERED NURSERY GROWN WHEN THEY HAVE BEEN SUCCESSFULLY RE-ESTABLISHED IN A NURSERY ROW AND GROWN UNDER REGULAR NURSERY CULTURAL PRACTICES FOR A MINIMUM OF TWO (2) GROWING SEASONS AND HAVE ATTAINED ADEQUATE ROOT AND TOP GROWTH TO INDICATE FULL RECOVERY FROM TRANSPLANTING INTO THE NURSERY ROW.

M. MATERIALS LIST

QUANTITIES NECESSARY TO COMPLETE THE WORK ON THE DRAWINGS SHALL BE FURNISHED BY THE CONTRACTOR. QUANTITY ESTIMATES HAVE BEEN MADE CAREFULLY, BUT THE LANDSCAPE ARCHITECT OR OWNER ASSUMES NO LIABILITY FOR OMISSIONS OR ERRORS. SHOULD A DISCREPANCY OCCUR BETWEEN THE PLANS AND THE PLANT LIST QUANTITY, THE LANDSCAPE ARCHITECT SHALL BE NOTIFIED FOR CLARIFICATION PRIOR TO BIDDING OR INSTALLATION. ALL DIMENSIONS AND/OR SIZES SPECIFIED SHALL BE THE MINIMUM ACCEPTABLE SIZE

N. FINE GRADING

1. FINE GRADING UNDER THIS CONTRACT SHALL CONSIST OF FINAL FINISHED GRADING OF LAWN AND PLANTING AREAS THAT HAVE BEEN ROUGH GRADED BY OTHERS. BERMING AS SHOWN ON THE DRAWINGS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR, UNLESS OTHERWISE NOTED.
2. THE CONTRACTOR SHALL FINE GRADE THE LAWN AND PLANTING AREAS TO BRING THE ROUGH GRADE UP TO FINAL FINISHED GRADE ALLOWING FOR THICKNESS OF SOD AND/OR MULCH DEPTH. THIS CONTRACTOR SHALL FINE GRADE BY HAND AND/OR WITH ALL EQUIPMENT NECESSARY INCLUDING A GRADING TRACTOR WITH FRONT-END LOADER FOR TRANSPORTING SOIL WITHIN THE SITE.
3. ALL PLANTING AREAS SHALL BE GRADED AND MAINTAINED FOR POSITIVE DRAINAGE TO SURFACE/SUBSURFACE STORM DRAIN SYSTEMS. AREAS ADJACENT TO BUILDINGS SHALL SLOPE AWAY FROM THE BUILDINGS. REFER TO CIVIL ENGINEER'S PLANS FOR FINAL GRADES.

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S.E. 6TH TERRACE BRIDGE REPLACEMENT
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LICENSED PROFESSIONAL
JONATHAN D. HAIGH, PLA
FLORIDA LICENSE NUMBER 6666795
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LANDSCAPE NOTES

SHEET NUMBER L1.53

0. PLANTING PROCEDURES

1. CLEANING UP BEFORE COMMENCING WORK: THE CONTRACTOR SHALL CLEAN WORK AND SURROUNDING AREAS OF ALL RUBBISH OR OBJECTIONABLE MATTER. ALL MORTAR, CEMENT, AND TOXIC MATERIAL SHALL BE REMOVED FROM THE SURFACE OF ALL PLANT BEDS. THESE MATERIALS SHALL NOT BE MIXED WITH THE SOIL. SHOULD THE CONTRACTOR FIND SUCH SOIL CONDITIONS BENEATH THE SOIL WHICH WILL IN ANY WAY ADVERSELY AFFECT THE PLANT GROWTH, HE SHALL IMMEDIATELY CALL IT TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE. FAILURE TO DO SO BEFORE PLANTING SHALL MAKE THE CORRECTIVE MEASURES THE RESPONSIBILITY OF THE CONTRACTOR.

2. VERIFY LOCATIONS OF ALL UTILITIES, CONDUITS, SUPPLY LINES AND CABLES, INCLUDING BUT NOT LIMITED TO: ELECTRIC, GAS (LINES AND TANKS), WATER, SANITARY SEWER, STORMWATER SYSTEMS, CABLE, AND TELEPHONE. PROPERLY MAINTAIN AND PROTECT EXISTING UTILITIES. CALL NATIONAL ONE CALL - 811 - TO LOCATE UTILITIES.

3. SUBGRADE EXCAVATION: CONTRACTOR IS RESPONSIBLE TO REMOVE ALL EXISTING AND IMPORTED LIMEROCK AND LIMEROCK SUB-BASE FROM ALL LANDSCAPE PLANTING AREAS TO A MINIMUM DEPTH OF 36". CONTRACTOR IS RESPONSIBLE TO BACKFILL THESE PLANTING AREAS TO ROUGH FINISHED GRADE WITH CLEAN TOPSOIL FROM AN ON-SITE SOURCE OR AN IMPORTED SOURCE. IF LIMEROCK OR OTHER ADVERSE CONDITIONS OCCUR IN PLANTED AREAS AFTER 36" DEEP EXCAVATION BY THE CONTRACTOR, AND ADEQUATE PERCOLATION CAN NOT BE ACHIEVED, CONTRACTOR SHALL UTILIZE PLANTING DETAIL THAT ADDRESSES POOR DRAINAGE.

4. FURNISH NURSERY'S CERTIFICATE OF COMPLIANCE WITH ALL REQUIREMENTS AS HEREIN SPECIFIED AND REQUIRED. INSPECT AND SELECT PLANT MATERIALS BEFORE PLANTS ARE DUG AT NURSERY OR GROWING SITE.

5. GENERAL: COMPLY WITH APPLICABLE FEDERAL, STATE, COUNTY, AND LOCAL REGULATIONS GOVERNING LANDSCAPE MATERIALS AND WORK. CONFORM TO ACCEPTED HORTICULTURAL PRACTICES AS USED IN THE TRADE. UPON ARRIVAL AT THE SITE , PLANTS SHALL BE THOROUGHLY WATERED AND PROPERLY MAINTAINED UNTIL PLANTED. PLANTS STORED ON-SITE SHALL NOT REMAIN UNPLANTED FOR A PERIOD EXCEEDING TWENTY-FOUR (24) HOURS. AT ALL TIMES, METHODS CUSTOMARY IN GOOD HORTICULTURAL PRACTICES SHALL BE EXERCISED.

6. THE WORK SHALL BE COORDINATED WITH OTHER TRADES TO PREVENT CONFLICTS. COORDINATE PLANTING WITH IRRIGATION WORK TO ASSURE AVAILABILITY OF WATER AND PROPER LOCATION OF IRRIGATION APPURTENANCES AND PLANTS.

7. ALL PLANTING PITS SHALL BE EXCAVATED TO SIZE AND DEPTH IN ACCORDANCE WITH THE USA STANDARD FOR NURSERY STOCK 260.1, UNLESS SHOWN OTHERWISE ON THE DRAWINGS, AND BACKFILLED WITH THE PREPARED PLANTING SOIL MIXTURE AS SPECIFIED IN SECTION E. TEST ALL TREE PITS WITH WATER BEFORE PLANTING TO ASSURE PROPER DRAINAGE PERCOLATION IS AVAILABLE. NO ALLOWANCE WILL BE MADE FOR LOST PLANTS DUE TO IMPROPER PERCOLATION. IF POOR PERCOLATION EXISTS, UTILIZE "POOR DRAINAGE CONDITION" PLANTING DETAIL. TREES SHALL BE SET PLUMB AND HELD IN POSITION UNTIL THE PLANTING MIXTURE HAS BEEN FLUSHED INTO PLACE WITH A SLOW, FULL HOSE STREAM. ALL PLANTING SHALL BE PERFORMED BY PERSONNEL FAMILIAR WITH PLANTING PROCEDURES AND UNDER THE SUPERVISION OF A QUALIFIED LANDSCAPE FOREMAN. PROPER "JETTING IN" SHALL BE ASSURED TO ELIMINATE AIR POCKETS AROUND THE ROOTS. "JET STICK" OR EQUAL IS RECOMMENDED.

8. TAKE ALL NECESSARY PRECAUTIONS TO AVOID DAMAGE TO BUILDINGS AND BUILDING STRUCTURES WHILE INSTALLING TREES.

9. SOIL MIXTURE SHALL BE AS SPECIFIED IN SECTION E OF THESE SPECIFICATIONS.

10. TREES AND SHRUBS SHALL BE SET STRAIGHT AT AN ELEVATION THAT, AFTER SETTLEMENT, THE PLANT CROWN WILL STAND ONE (1) TO TWO (2) INCHES ABOVE GRADE. EACH PLANT SHALL BE SET IN THE CENTER OF THE PIT. PLANTING SOIL MIXTURE SHALL BE BACKFILLED, THOROUGHLY TAMPED AROUND THE BALL, AND SETTLED BY WATER (AFTER TAMPING).

11. AMEND PINE AND OAK PLANT PITS WITH ECTOMYCORRHIZAL SOIL APPLICATION PER MANUFACTURER'S RECOMMENDATION. ALL OTHER PLANT PITS SHALL BE AMENDED WITH ENDOMYCORRHIZAL SOIL APPLICATION PER MANUFACTURER'S RECOMMENDATION. PROVIDE PRODUCT INFORMATION SUBMITTAL PRIOR TO INOCULATION.

12. FILL HOLE WITH SOIL MIXTURE, MAKING CERTAIN ALL SOIL IS SATURATED. TO DO THIS, FILL HOLE WITH WATER AND ALLOW TO SOAK MINIMUM TWENTY (20) MINUTES, STIRRING IF NECESSARY TO GET SOIL THOROUGHLY WET. PACK LIGHTLY WITH FEET. ADD MORE WET SOIL MIXTURE. DO NOT COVER TOP OF BALL WITH SOIL MIXTURE, ONLY WITH MULCH. ALL BURLAP, ROPE, WIRES, BASKETS, ETC.., SHALL BE REMOVED FROM THE SIDES AND TOPS OF BALLS, BUT NO BURLAP SHALL BE PULLED FROM UNDERNEATH.

13. PRUNING: TREES SHALL BE PRUNED, AT THE DIRECTION OF THE OWNER OR OWNER'S REPRESENTATIVE, TO PRESERVE THE NATURAL CHARACTER OF THE PLANT. ALL SOFT WOOD OR SUCKER GROWTH AND ALL BROKEN OR BADLY DAMAGED BRANCHES SHALL BE REMOVED WITH A CLEAN CUT. ALL PRUNING TO BE PERFORMED BY LICENSED ARBORIST, IN ACCORDANCE WITH ANSI A-300.

14. SHRUBS AND GROUND COVER PLANTS SHALL BE EVENLY SPACED IN ACCORDANCE WITH THE DRAWINGS AND AS INDICATED ON THE PLANT LIST. CULTIVATE ALL PLANTING AREAS TO A MINIMUM DEPTH OF 6", REMOVE AND DISPOSE ALL DEBRIS. MIX TOP 4" TO ACHEIVE SOIL MIXTURE AS SPECIFIED IN SECTION E. THOROUGHLY WATER ALL PLANTS AFTER INSTALLATION.

15. TREE GUYING AND BRACING SHALL BE INSTALLED BY THE CONTRACTOR IN ACCORDANCE WITH THE PLANS TO INSURE STABILITY AND MAINTAIN TREES IN AN UPRIGHT POSITION. IF THE CONTRACTOR AND OWNER DECIDE TO WAIVE THE TREE GUYING AND BRACING, THE OWNER SHALL NOTIFY THE LANDSCAPE ARCHITECT IN WRITING AND AGREE TO INDEMNIFY AND HOLD HARMLESS THE LANDSCAPE ARCHITECT IN THE EVENT UNSUPPORTED TREES PLANTED UNDER THIS CONTRACT FALL AND DAMAGE PERSON OR PROPERTY.

16. MULCHING: PROVIDE A THREE INCH (MINIMUM) LAYER OF SPECIFIED MULCH OVER THE ENTIRE AREA OF EACH SHRUB BED, GROUND COVER, VINE BED, AND TREE PIT PLANTED UNDER THIS CONTRACT.

17. HERBICIDE WEED CONTROL: ALL PLANT BEDS SHALL BE KEPT FREE OF NOXIOUS WEEDS UNTIL FINAL ACCEPTANCE OF WORK. IF DIRECTED BY THE OWNER, "ROUND-UP" SHALL BE APPLIED FOR WEED CONTROL BY QUALIFIED PERSONNEL TO ALL PLANTING AREAS IN SPOT APPLICATIONS PER MANUFACTURER'S PRECAUTIONS AND SPECIFICATIONS. PRIOR TO FINAL INSPECTION, TREAT ALL PLANTING BEDS WITH AN APPROVED PRE-EMERGENT HERBICIDE AT AN APPLICATION RATE RECOMMENDED BY THE MANUFACTURER. (AS ALLOWED BY JURISDICTIONAL AUTHORITY)

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KHA PROJECT 040985062
DATE MAY 2025
SCALE AS SHOWN
DESIGNED BY JDH
DRAWN BY BAM
CHECKED BY JDH

S.E. 6TH TERRACE BRIDGE REPLACEMENT
PREPARED FOR
CITY OF POMPANO BEACH
CITY OF POMPANO FLORIDA

LICENSED PROFESSIONAL
JONATHAN D. HAIGH, PLA
FLORIDA LICENSE NUMBER 6666795
DATE: 05/01/2025

LANDSCAPE NOTES

SHEET NUMBER L1.54

P. LAWN SODDING

1. THE WORK CONSISTS OF LAWN BED PREPARATION, SOIL PREPARATION, AND SODDING COMPLETE, IN STRICT ACCORDANCE WITH THE SPECIFICATIONS AND THE APPLICABLE DRAWINGS TO PRODUCE A TURF GRASS LAWN ACCEPTABLE TO THE OWNER.

2. LAWN BED PREPARATION: ALL AREAS THAT ARE TO BE SODDED SHALL BE CLEARED OF ANY ROUGH GRASS, WEEDS, AND DEBRIS, AND THE GROUND BROUGHT TO AN EVEN GRADE. THE ENTIRE SURFACE SHALL BE ROLLED WITH A ROLLER WEIGHING NOT MORE THAN ONE-HUNDRED (100) POUNDS PER FOOT OF WIDTH. DURING THE ROLLING, ALL DEPRESSIONS CAUSED BY SETTLEMENT SHALL BE FILLED WITH ADDITIONAL SOIL, AND THE SURFACE SHALL BE REGRADED AND ROLLED UNTIL PRESENTING A SMOOTH AND EVEN FINISH TO THE REQUIRED GRADE.

3. SOIL PREPARATION: PREPARE LOOSE BED FOUR (4) INCHES DEEP. HAND RAKE UNTIL ALL BUMPS AND DEPRESSIONS ARE REMOVED. WET PREPARED AREA THOROUGHLY.

4. SODDING

   A. THE CONTRACTOR SHALL SOD ALL AREAS THAT ARE NOT PAVED OR PLANTED AS DESIGNATED ON THE DRAWINGS WITHIN THE CONTRACT LIMITS, UNLESS SPECIFICALLY NOTED OTHERWISE.

   B. THE SOD SHALL BE CERTIFIED TO MEET FLORIDA STATE PLANT BOARD SPECIFICATIONS, ABSOLUTELY TRUE TO VARIETAL TYPE, AND FREE FROM WEEDS, FUNGUS, INSECTS AND DISEASE OF ANY KIND.

   C. SOD PANELS SHALL BE LAID TIGHTLY TOGETHER SO AS TO MAKE A SOLID SODDED LAWN AREA. SOD SHALL BE LAID UNIFORMLY AGAINST THE EDGES OF ALL CURBS AND OTHER HARDSCAPE ELEMENTS, PAVED AND PLANTED AREAS. ADJACENT TO BUILDINGS, A 24 INCH STONE MULCH STRIP SHALL BE PROVIDED - REFER TO DETAILS. IMMEDIATELY FOLLOWING SOD LAYING, THE LAWN AREAS SHALL BE ROLLED WITH A LAWN ROLLER CUSTOMARILY USED FOR SUCH PURPOSES, AND THEN THOROUGHLY IRRIGATED. IF, IN THE OPINION OF THE OWNER, TOP-DRESSING IS NECESSARY AFTER ROLLING TO FILL THE VOIDS BETWEEN THE SOD PANELS AND TO EVEN OUT INCONSISTENCIES IN THE SOD, CLEAN SAND, AS APPROVED BY THE OWNER'S REPRESENTATIVE, SHALL BE UNIFORMLY SPREAD OVER THE ENTIRE SURFACE OF THE SOD AND THOROUGHLY WATERED IN. FERTILIZE INSTALLED SOD AS ALLOWED BY PROPERTY'S JURISDICTIONAL AUTHORITY.

5. DURING DELIVERY, PRIOR TO, AND DURING THE PLANTING OF THE LAWN AREAS, THE SOD PANELS SHALL AT ALL TIMES BE PROTECTED FROM EXCESSIVE DRYING AND UNNECESSARY EXPOSURE OF THE ROOTS TO THE SUN. ALL SOD SHALL BE STACKED SO AS NOT TO BE DAMAGED BY SWEATING OR EXCESSIVE HEAT AND MOISTURE.

6. LAWN MAINTENANCE:

   A. WITHIN THE CONTRACT LIMITS, THE CONTRACTOR SHALL PRODUCE A DENSE, WELL ESTABLISHED LAWN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPAIR AND RE-SODDING OF ALL ERODED, SUNKEN OR BARE SPOTS (LARGER THAN 12"X12") UNTIL CERTIFICATION OF ACCEPTABILITY BY THE OWNER'S REPRESENTATIVE. REPAIRED SODDING SHALL BE ACCOMPLISHED AS IN THE ORIGINAL WORK (INCLUDING REGRADING IF NECESSARY).

   CONTRACTOR RESPONSIBLE FOR ESTABLISHING AND MAINTAINING SOD/LAWN UNTIL ACCEPTANCE BY THE OWNER'S REPRESENTATIVE. PRIOR TO AND UPON ACCEPTANCE, CONTRACTOR TO PROVIDE WATERING/IRRIGATION SCHEDULE TO OWNER. OBSERVE ALL APPLICABLE WATERING RESTRICTIONS AS SET FORTH BY THE PROPERTY'S JURISDICTIONAL AUTHORITY.

   UPON COMPLETION OF ALL PLANTING WORK AND BEFORE FINAL ACCEPTANCE, THE CONTRACTOR SHALL REMOVE ALL MATERIAL, EQUIPMENT, AND DEBRIS RESULTING FROM HIS WORK. ALL PAVED AREAS SHALL BE BROOM-CLEANED AND THE SITE LEFT IN A NEAT AND ACCEPTABLE CONDITION AS APPROVED BY THE OWNER'S AUTHORIZED REPRESENTATIVE.

R. PLANT MATERIAL MAINTENANCE

ALL PLANTS AND PLANTING INCLUDED UNDER THIS CONTRACT SHALL BE MAINTAINED BY WATERING, CULTIVATING, SPRAYING, AND ALL OTHER OPERATIONS (SUCH AS RE-STAKING OR REPAIRING GUY SUPPORTS) NECESSARY TO INSURE A HEALTHY PLANT CONDITION BY THE CONTRACTOR UNTIL CERTIFICATION OF ACCEPTABILITY BY THE OWNER'S REPRESENTATIVE. MAINTENANCE AFTER THE CERTIFICATION OF ACCEPTABILITY SHALL BE IN ACCORDANCE WITH THE SPECIFICATIONS IN THIS SECTION. CONTRACTORS ARE REQUESTED TO PROVIDE A BID ESTIMATE TO COVER LANDSCAPE AND IRRIGATION MAINTENANCE FOR A PERIOD OF 90 CALENDAR DAYS COMMENCING AFTER ACCEPTANCE.

S. MAINTENANCE (ALTERNATE BID ITEM)

CONTRACTORS ARE REQUESTED TO PROVIDE A BID ESTIMATE FOR MAINTENANCE FOLLOWING THE INITIAL 90-DAY MAINTENANCE PERIOD ON A COST-PER-MONTH BASIS.

T. FINAL INSPECTION AND ACCEPTANCE OF WORK

FINAL INSPECTION AT THE END OF THE WARRANTY PERIOD SHALL BE ON PLANTING, CONSTRUCTION AND ALL OTHER INCIDENTAL WORK PERTAINING TO THIS CONTRACT. ANY REPLACEMENT AT THIS TIME SHALL BE SUBJECT TO THE SAME ONE (1) YEAR WARRANTY (OR AS SPECIFIED BY THE LANDSCAPE ARCHITECT OR OWNER IN WRITING) BEGINNING WITH THE TIME OF REPLACEMENT AND ENDING WITH THE SAME INSPECTION AND ACCEPTANCE HEREIN DESCRIBED.

U. WARRANTY

1. THE LIFE AND SATISFACTORY CONDITION OF ALL 7 GALLON AND LARGER PLANT MATERIAL INSTALLED BY THE LANDSCAPE CONTRACTOR SHALL BE WARRANTED BY THE CONTRACTOR FOR A MINIMUM OF ONE (1) CALENDAR YEAR COMMENCING AT THE TIME OF CERTIFICATION OF ACCEPTABILITY BY THE OWNER'S REPRESENTATIVE.

2. THE LIFE AND SATISFACTORY CONDITION OF ALL OTHER PLANT MATERIAL (INCLUDING SOD) INSTALLED BY THE LANDSCAPE CONTRACTOR SHALL BE WARRANTED BY THE CONTRACTOR FOR A MINIMUM OF ONE (1) CALENDAR YEAR COMMENCING AT THE TIME OF CERTIFICATION OF ACCEPTABILITY BY THE OWNER'S REPRESENTATIVE.

3. REPLACEMENT: ANY PLANT NOT FOUND IN A HEALTHY GROWING CONDITION AT THE END OF THE WARRANTY PERIOD SHALL BE REMOVED FROM THE SITE AND REPLACED AS SOON AS WEATHER CONDITIONS PERMIT. ALL REPLACEMENTS SHALL BE PLANTS OF THE SAME KIND AND SIZE AS SPECIFIED IN THE PLANT LIST. THEY SHALL BE FURNISHED PLANTED AND MULCHED AS SPECIFIED UNDER "PLANTING", AT NO ADDITIONAL COST TO THE OWNER.

4. IN THE EVENT THE OWNER DOES NOT CONTRACT WITH THE CONTRACTOR FOR LANDSCAPE (AND IRRIGATION) MAINTENANCE, THE CONTRACTOR IS ENCOURAGED TO VISIT THE PROJECT SITE PERIODICALLY DURING THE ONE YEAR WARRANTY PERIOD TO EVALUATE MAINTENANCE PROCEDURES BEING PERFORMED BY THE OWNER, AND SHALL NOTIFY THE OWNER IN WRITING OF MAINTENANCE PROCEDURES OR CONDITIONS WHICH THREATEN VIGOROUS AND HEALTHY PLANT GROWTH. IT IS SUGGESTED SUCH SITE VISITS SHALL BE CONDUCTED A MINIMUM OF ONCE PER MONTH FOR A PERIOD OF TWELVE (12) MONTHS FROM THE DATE OF ACCEPTANCE.

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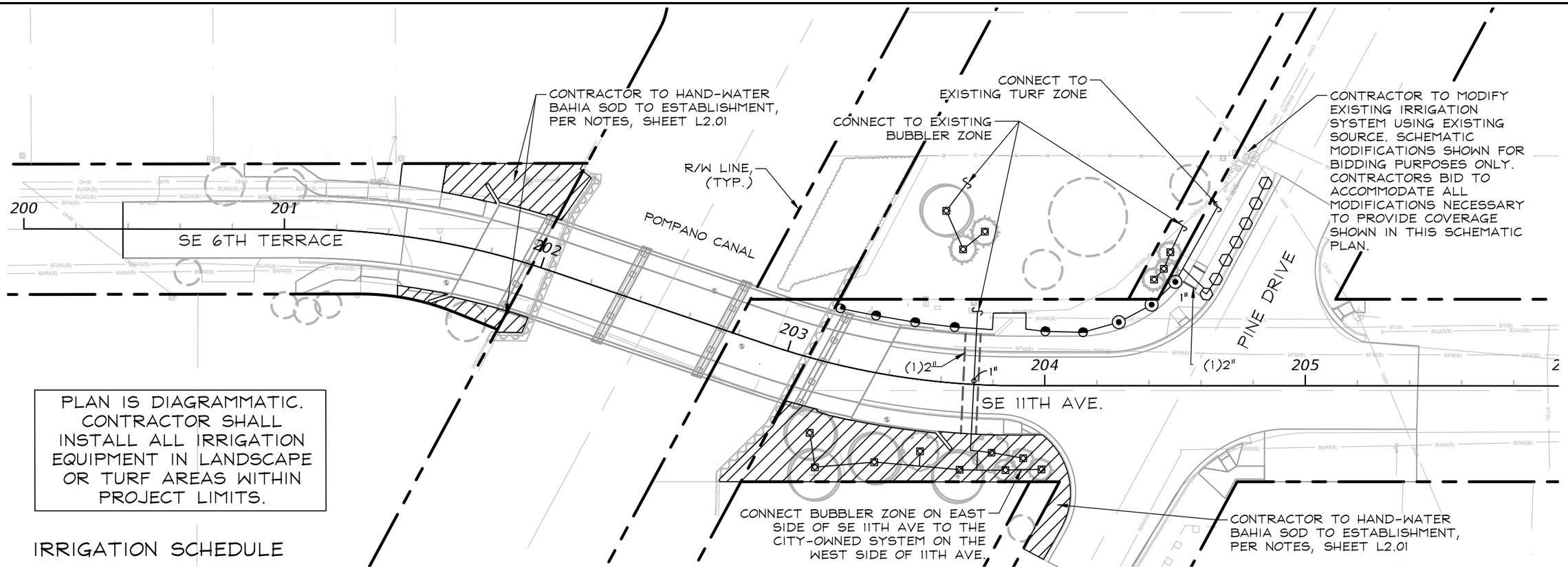
KHA PROJECT 040985062
DATE MAY 2025
SCALE AS SHOWN
DESIGNED BY JDH
DRAWN BY BAM
CHECKED BY JDH

S.E. 6TH TERRACE BRIDGE REPLACEMENT
PREPARED FOR
CITY OF POMPANO BEACH
CITY OF POMPANO FLORIDA

LICENSED PROFESSIONAL
JONATHAN D. HAIGH, PLA
FLORIDA LICENSE NUMBER 6666795
DATE: 05/01/2025

LANDSCAPE NOTES

SHEET NUMBER L1.55



PLAN IS DIAGRAMMATIC. CONTRACTOR SHALL INSTALL ALL IRRIGATION EQUIPMENT IN LANDSCAPE OR TURF AREAS WITHIN PROJECT LIMITS.

IRRIGATION SCHEDULE

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY	PSI
Q T H F	Rain Bird 1806-U-PRS U8 Series Turf Spray 6" Pop-Up Sprinkler with Co-Molded Wiper Seal. Side and Bottom Inlet. 1/2" NPT Female Threaded Inlet. Pressure Regulating.	7	30
Q T H TT TQ F	Rain Bird 1806-U-PRS U15 Series Turf Spray 6" Pop-Up Sprinkler with Co-Molded Wiper Seal. Side and Bottom Inlet. 1/2" NPT Female Threaded Inlet. Pressure Regulating.	6	30
08HE-VAN 12HE-VAN 10HE-VAN 15HE-VAN	Rain Bird 1806-U-PRS HE-VAN Series Turf Spray 6" Pop-Up Sprinkler with Co-Molded Wiper Seal. Side and Bottom Inlet. 1/2" NPT Female Threaded Inlet. Pressure Regulating.	3	30
1401 1402 1404 1408	Rain Bird 1402 Flood Bubbler Flood Bubbler on IPS flex hose per detail	15	30

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
———	Irrigation Lateral Line: PVC Class 200 SDR 21	502.0 lf
= = = = = = = =	Pipe Sleeve: PVC Schedule 40	38.4 lf

NORTH

GRAPHIC SCALE IN FEET
0 20 40 80

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KHA PROJECT 040985062
DATE MAY 2025
SCALE AS SHOWN
DESIGNED BY JDH
DRAWN BY BAM
CHECKED BY JDH

S.E. 6TH TERRACE BRIDGE REPLACEMENT

PREPARED FOR
CITY OF POMPANO BEACH
CITY OF POMPANO FLORIDA

LICENSED PROFESSIONAL
JONATHAN D. HAIGH, PLA
FLORIDA LICENSE NUMBER 6666795
DATE: 05/01/2025

IRRIGATION PLAN

SHEET NUMBER L2.00

HAND WATERING NOTES:

1. 180 DAYS OF WATER MONITORING SHALL BE SCHEDULED FOR ALL PLANTINGS UNDER THIS CONTRACT.
2. IF SITE EXPERIENCES DROUGHT OR IF RAINFALL DOES NOT ACCUMULATE 2" PER WEEK DURING THE MONITORING PERIOD, HAND WATERING WILL BE NECESSARY.
3. WATER NECESSARY FOR PLANTING AND MAINTENANCE SHALL BE OF SATISFACTORY QUALITY TO SUSTAIN AN ADEQUATE PLANT GROWTH AND SHALL NOT CONTAIN HARMFUL, NATURAL OR MAN-MADE ELEMENTS DETRIMENTAL TO PLANTS. THE CONTRACTOR SHALL PROVIDE SATISFACTORY WATER (MEETING THE ABOVE STANDARD) FROM SOURCES OFF THE SITE AT NO ADDITIONAL COST TO THE OWNER. SUITABLE WATER MAY BE AVAILABLE IN THE ADJACENT CANAL - COORDINATE WITH OWNER FOR PERMISSIONS.
4. WATERING PROJECT PLANTINGS MAY BE ACHEIVED BY WATER TRUCK OR BY TEMPORARY IRRIGATION SYSTEM, WHICH MUST BE REMOVED AT THE END OF THE MAINTENCE PERIOD.
5. CONTRACTOR SHALL SUPPLEMENT RAINFALL BY HAND-WATERING AND DOCUMENT WATERING EFFORTS THROUGH RAINFALL DATA AND MONITORING RECORDS.
6. FOR BIDDING PURPOSES, FOLLOW THE SCHEDULE BELOW:

   DAY 1: WATER IN PLANTINGS PER SPECS.
   DAY 2-30: 1/2" OF WATER EACH DAY FOR MON, TUES, WED, THURS, SATURDAY
   DAY 31-90: 1/2" OF WATER EACH DAY FOR MON, WED, SATURDAY
   DAY 91-180: 1/2" OF WATER EACH DAY FOR WED, SAT

IRRIGATION CONNECTIONS TO EXISTING SYSTEM

1. THE IRRIGATION CONTRACTOR SHALL SECURE ANY AND ALL NECESSARY PERMITS FOR THE WORK PRIOR TO COMMENCEMENT OF OPERATIONS ON-SITE. COPIES OF THE PERMITS SHALL BE SENT TO THE OWNER/GENERAL CONTRACTOR.
2. WORK IN THE R.O.W. SHALL CONFORM TO THE STANDARDS AND SPECIFICATIONS OF LOCAL AND/OR STATE HIGHWAY JURISDICTION, AS APPLICABLE.
3. CONTRACTOR SHALL COORDINATE WITH PROPERTY OWNER FOR OPERATING PARAMETERS OF THE EXISTING SYSTEM.
4. CONTRACTOR SHALL VERIFY CONTROLLER AND MAINLINE POINT OF CONNECTION AT PROJECT SITE WITH PROPERTY OWNER.
5. COORDINATE WITH PLANTING PLAN FOR PLANTER BED LOCATIONS AND TREE LOCATIONS.
6. ALL WIRING SHALL BE OF DIRECT BURIAL COPPER WIRE
7. IF THE MASTER SYSTEM CANNOT ACCOMMODATE NEW BUBBLER AND TURF SPRAYS PER THE SCHEMATIC SHOWN, CONTRACTOR SHALL MAKE ADJUSTMENTS BY ADDING CONTROL VALVES, MAINLINE, AND LATERALS.
8. CONTRACTOR SHALL SUBMIT DESIGN PROPOSAL AND PROPOSED, COMPATIBLE EQUIPMENT LIST TO OWNER'S REPRESENTATIVE FOR APPROVAL PRIOR TO INSTALLATION, IN ACCORDANCE WITH THESE PARAMETERS:
   - 8.1. THE SYSTEM WILL PROVIDE 100% COVERAGE FOR ALL PROPOSED LANDSCAPE IMPROVEMENTS, EXCEPT FOR BAHIA SOD. SEE PLANS..
   - 8.2. ZONES SHALL BE SEPARATED BY WATER NEED AND EQUIPMENT. TURF IRRIGATION SHALL BE SEPARATE FROM SHRUB ZONES, BUBBLERS SEPARATE FROM SPRAYS, SPRAYS SEPARATE FROM ROTORS.
   - 8.3. SET HEADS 3" FROM BACK OF CURB OR 24" IF PAVEMENT HAS NO CURB.
   - 8.4. IF NEW CONTROL VALVES ARE NECESSARY TO ADD EQUIPMENT TO THE EXISTING SYSTEM, LOCATE ALL VALVES A MINIMUM OF 24" FROM BACK OF CURB OR EDGE OF PAVEMENT, UNLESS NOTED OTHERWISE.
   - 8.5. ALL PROPOSED TREES SHALL RECEIVE ONE BUBBLER EACH.
9. VERIFY LOCATIONS OF ALL UNDERGROUND UTILITIES PRIOR TO INSTALLATION OF IRRIGATION SYSTEM. ALL UTILITIES AND STRUCTURES MAY NOT BE SHOWN ON THESE PLANS-CONTRACTOR SHALL VERIFY THEIR LOCATION.
10. ALL PRESSURE MAINLINES UNDER ASPHALT PAVEMENT SHALL BE PLACED WITHIN SLEEVES AS NOTED. WHERE ELECTRIC VALVE CONTROL LINES PASS THROUGH A SLEEVE WITH OTHER MAIN OR LATERAL LINES THEY SHALL BE CONTAINED WITHIN A SEPARATE, SMALLER CONDUIT. ALL SLEEVES SHALL BE SIZED TWO PIPE SIZES GREATER THAN PIPE IT CARRIES.
11. CONTRACTOR SHALL PROVIDE "AS-BUILT" DRAWINGS OF THE FINAL INSTALLATION TO OWNER AT SUBSTANTIAL COMPLETION BEFORE RECEIVING FINAL PAYMENT. ALL SLEEVES UTILIZED BY THE IRRIGATION CONTRACTOR, WHETHER INSTALLED BY HIM OR NOT, SHALL BE LOCATED ON THE "AS-BUILT" DRAWINGS. THE DEPTH BELOW FINISH GRADE, TO THE NEAREST FOOT OF EACH END OF EACH SLEEVE SHALL BE NOTED AT EACH SLEEVE LOCATION ON THE "AS-BUILT" DRAWINGS.

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KHA PROJECT 040985062
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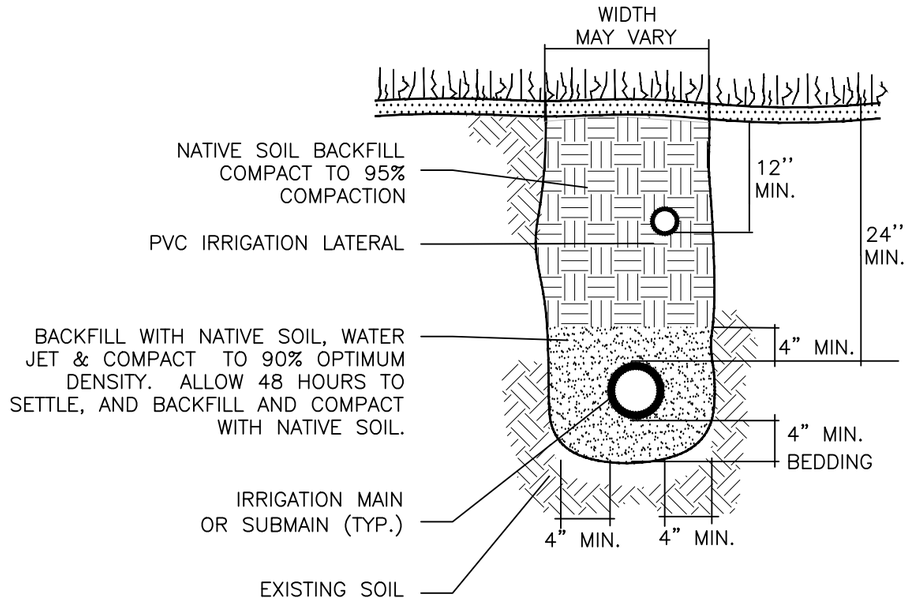
S.E. 6TH TERRACE BRIDGE REPLACEMENT
PREPARED FOR
CITY OF POMPANO BEACH
CITY OF POMPANO FLORIDA

LICENSED PROFESSIONAL
JONATHAN D. HAIGH, PLA
FLORIDA LICENSE NUMBER 6666795
DATE: 05/01/2025

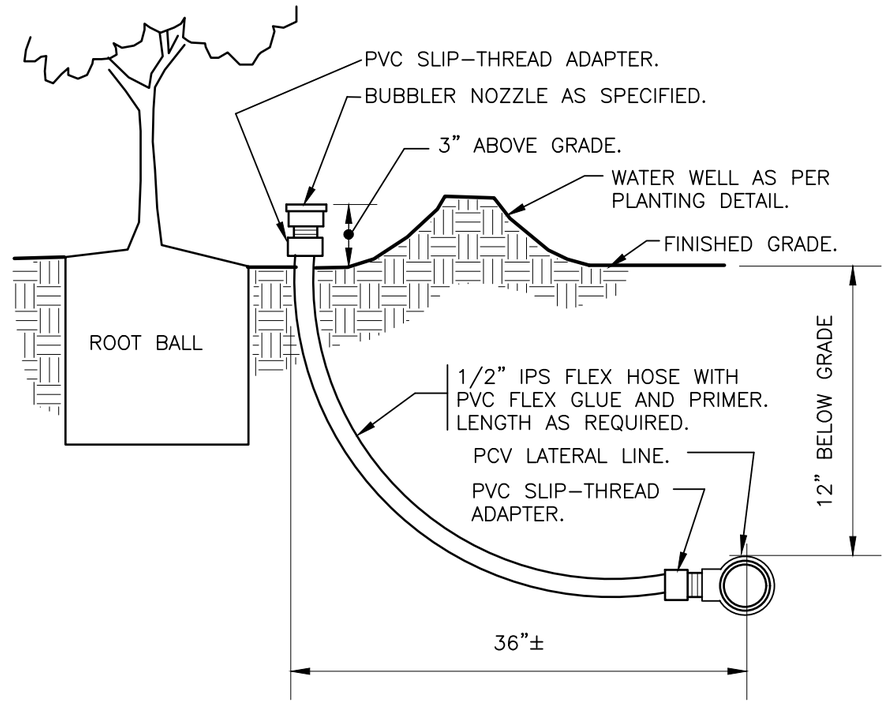
IRRIGATION PLAN

SHEET NUMBER L2.01



1 TRENCHING DETAIL

NOT TO SCALE



2 BUBBLER ON FLEX HOSE RISER

3" = 1'-0"

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KHA PROJECT	040985062
DATE	MAY 2025
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PREPARED FOR
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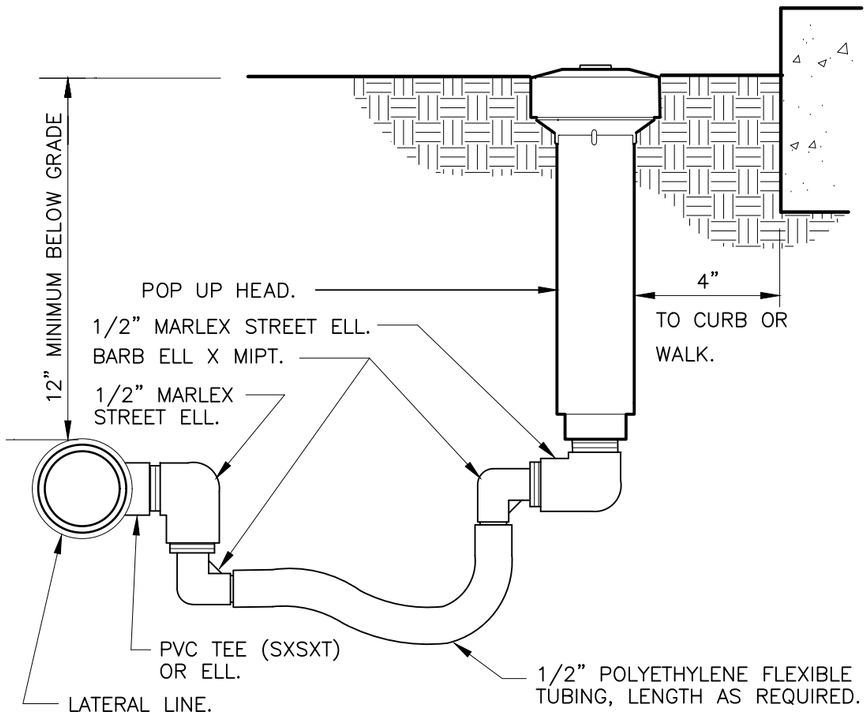
JONATHAN D. HAIGH, PLA
FLORIDA LICENSE NUMBER
6666795
DATE: 05/01/2025

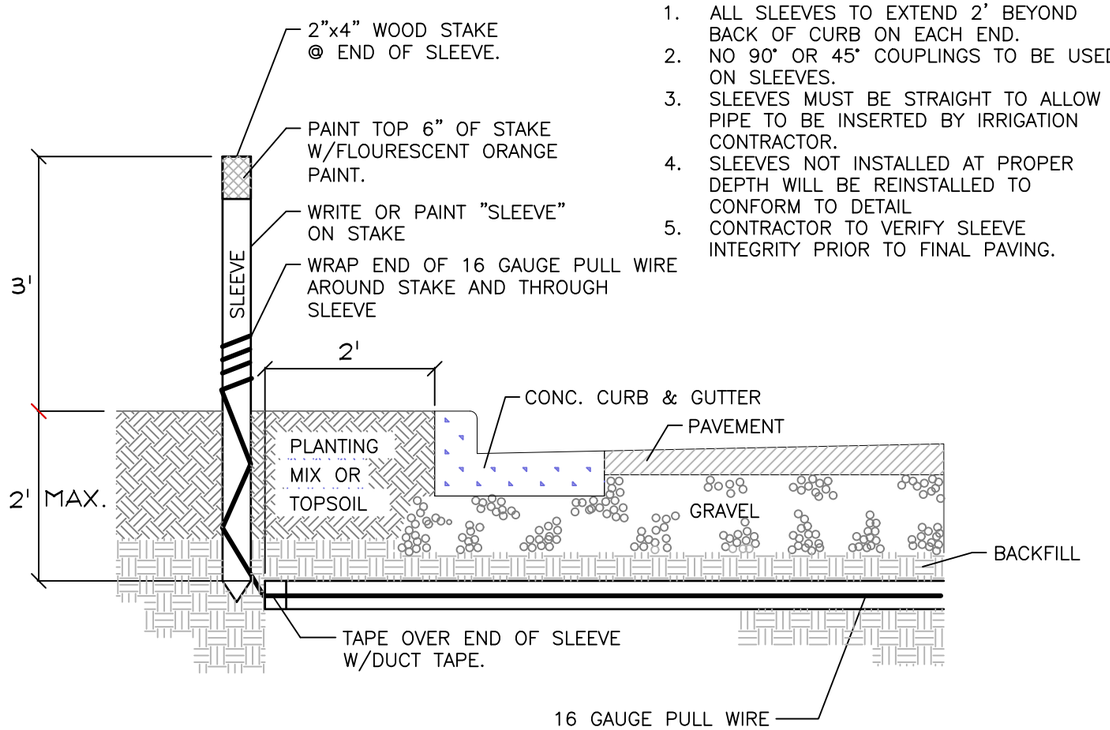
IRRIGATION DETAILS

SHEET NUMBER
L2.50



3 POP-UP SPRAY FLEX ASSEMBLY

3" = 1'-0"



NOTE:
1. ALL SLEEVES TO EXTEND 2' BEYOND BACK OF CURB ON EACH END.
2. NO 90° OR 45° COUPLINGS TO BE USED ON SLEEVES.
3. SLEEVES MUST BE STRAIGHT TO ALLOW PIPE TO BE INSERTED BY IRRIGATION CONTRACTOR.
4. SLEEVES NOT INSTALLED AT PROPER DEPTH WILL BE REINSTALLED TO CONFORM TO DETAIL
5. CONTRACTOR TO VERIFY SLEEVE INTEGRITY PRIOR TO FINAL PAVING.

4 IRRIGATION SLEEVING

NTS

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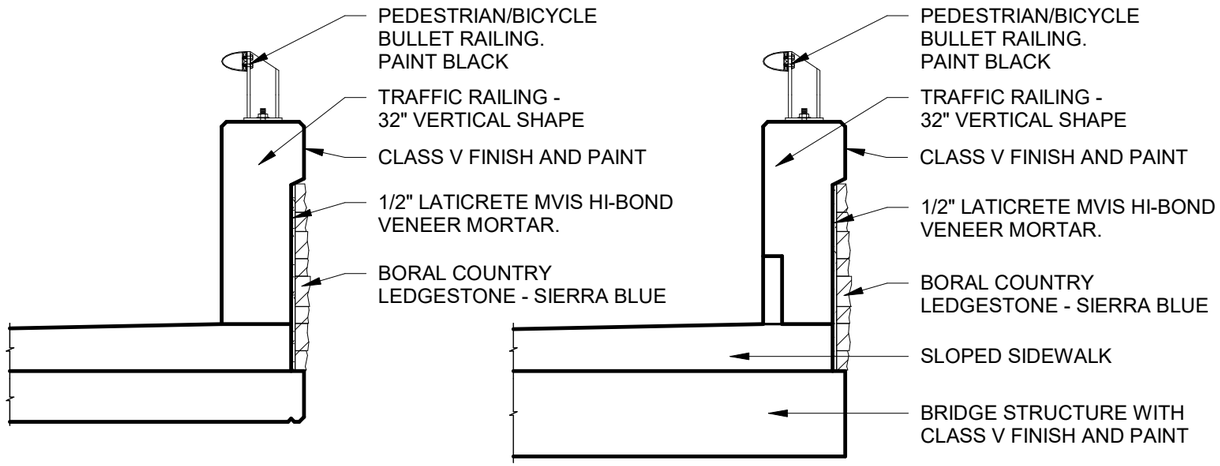
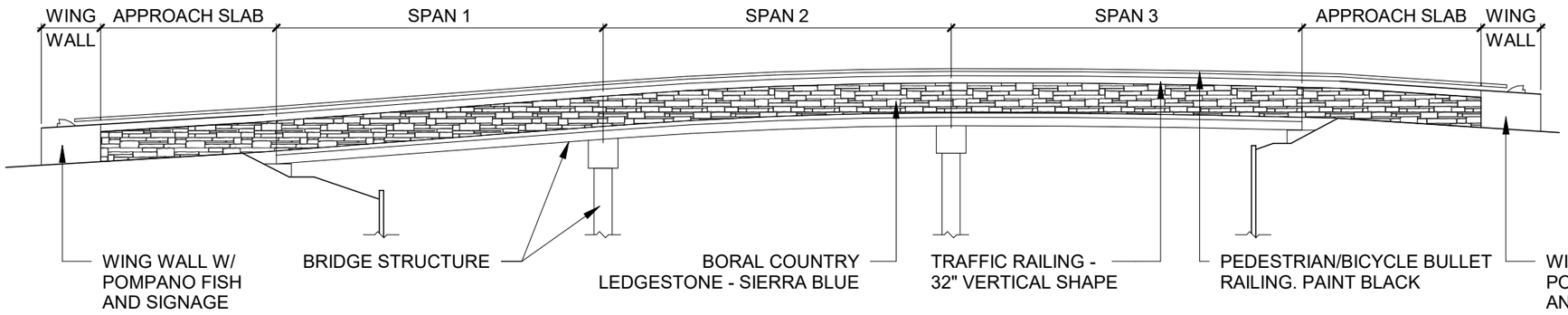
IRRIGATION DETAILS

SHEET NUMBER L2.51



1 TYPICAL BRIDGE WALL SECTION
1/2" = 1'-0"

GENERAL NOTES:
1. INSTALLER MUST VERIFY THAT DEFLECTION UNDER ALL LIVE, DEAD AND IMPACT LOADS OF SUBSTRATES DOES NOT EXCEED INDUSTRY STANDARDS OF L/600 FOR AMSMV UNITS OR STONE INSTALLATIONS WHERE L=SPAN LENGTH.
2. THE SELECTED MORTAR IS NOT FDOT APPROVED.
3. INSTALL PER MANUFACTURER'S PUBLISHED INSTURCTIONS.



2 NORTH ELEVATION
1/16" = 1'-0"

CURRIE SOWARDS AGUILA architects
Architecture, Planning, Interiors, & Sustainable Design
AA26001584
185 NE 4TH AVENUE, SUITE 101
DELRAY BEACH, FL 33483
T: 561-276-4951

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
1920 WEKIVA WAY SUITE 200, WEST PALM BEACH, FL 33411
PHONE: 561-845-0665 FAX: 561-863-8175
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

KHA PROJECT 040985062
DATE MAY 2025
SCALE AS SHOWN
DESIGNED BY
DRAWN BY
CHECKED BY

S.E. 6TH TERRACE BRIDGE REPLACEMENT
PREPARED FOR
CITY OF POMPANO BEACH
CITY OF POMPANO FLORIDA

LICENSED PROFESSIONAL
DATE:

BRIDGE WALL SECTIONS & NORTH ELEVATION

SHEET NUMBER
A1

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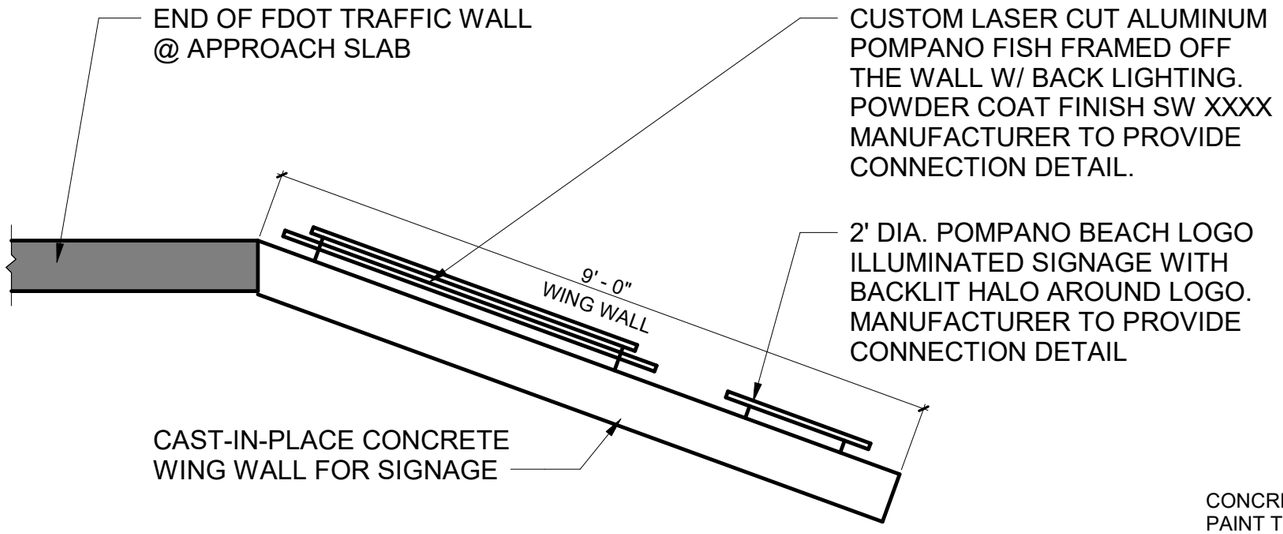
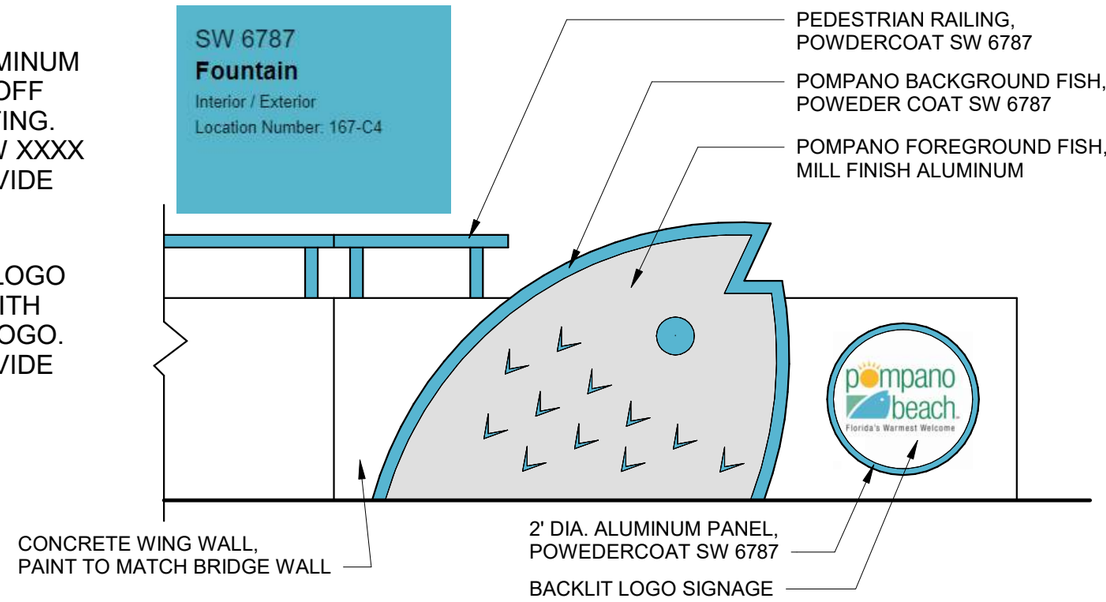
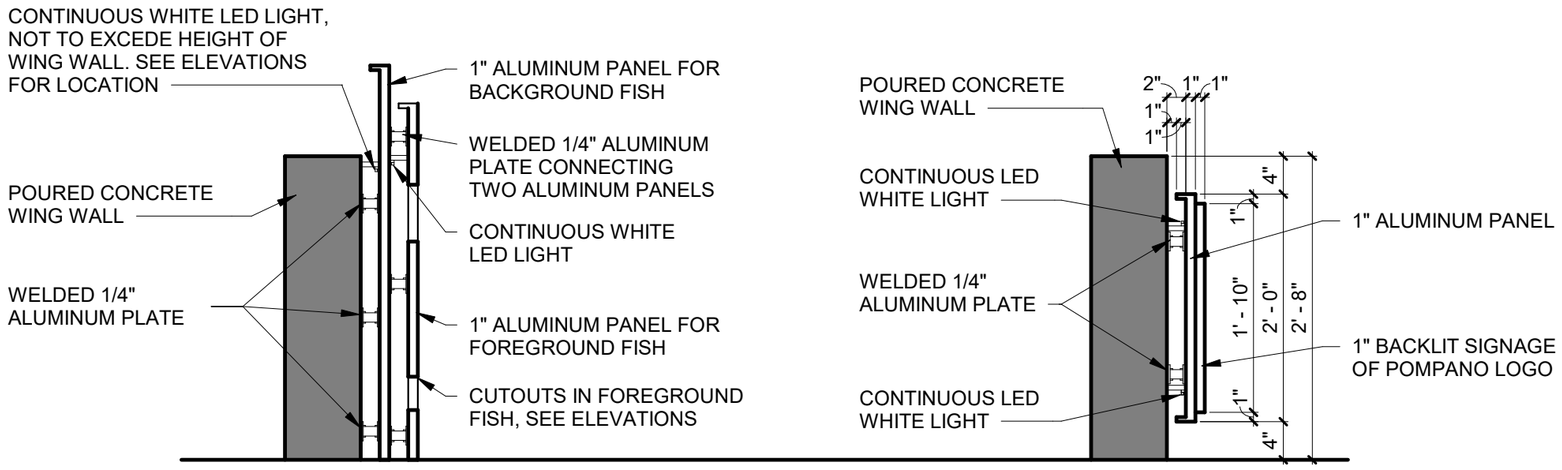


1 WING WALL ENLARGED PLAN
1/2" = 1'-0"



2 WING WALL COLOR ELEVATION
1/2" = 1'-0"



3 WING WALL SECTIONS
3/4" = 1'-0"

CURRIE SOWARDS AGUILA architects
Architecture, Planning, Interiors, & Sustainable Design
AA26001584
185 NE 4TH AVENUE, SUITE 101
DELRAY BEACH, FL 33483
T: 561-276-4951

No.	REVISIONS	DATE	BY

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WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

KHA PROJECT 040985062
DATE MAY 2025
SCALE AS SHOWN
DESIGNED BY
DRAWN BY
CHECKED BY

S.E. 6TH TERRACE BRIDGE REPLACEMENT
PREPARED FOR
CITY OF POMPANO BEACH
CITY OF POMPANO FLORIDA

LICENSED PROFESSIONAL
DATE:

WING WALL DETAILS

SHEET NUMBER
A2

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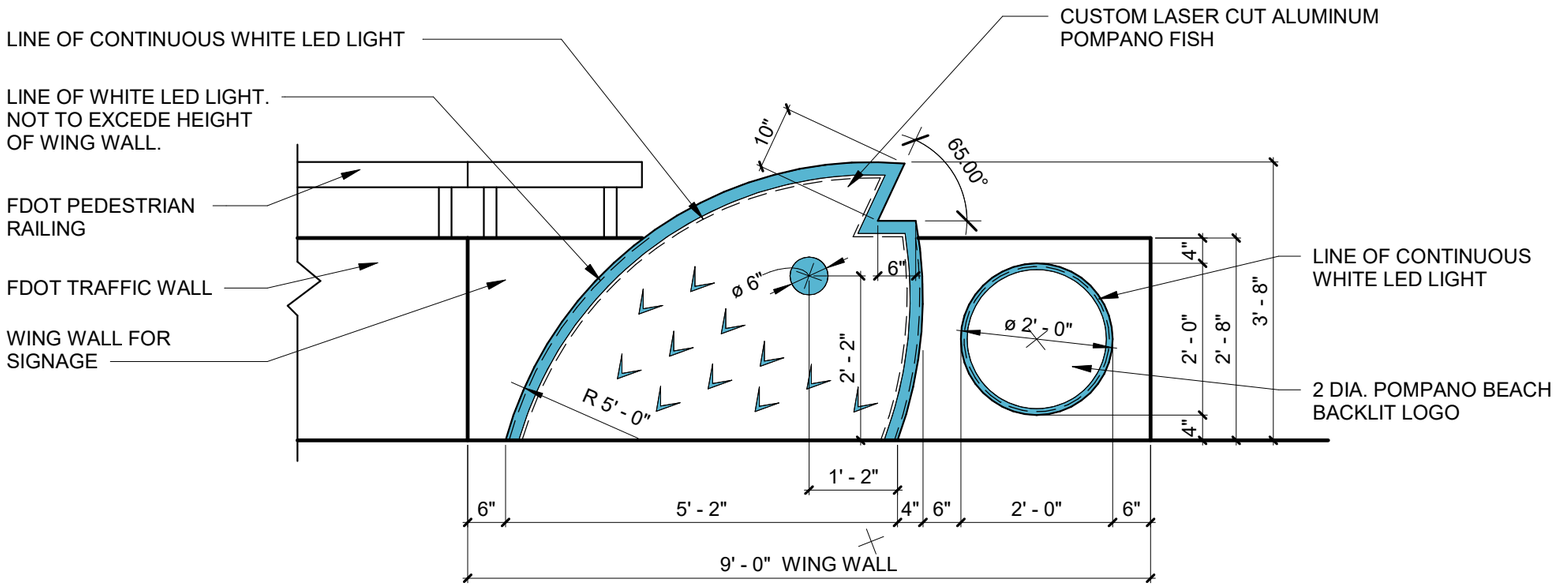


1 WING WALL ANNOTATION ELEVATION
1/2" = 1'-0"

CURRIE SOWARDS AGUILA architects
Architecture, Planning, Interiors, & Sustainable Design
AA26001584
185 NE 4TH AVENUE, SUITE 101
DELRAY BEACH, FL 33483
T: 561-276-4951

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

No.	REVISIONS	DATE	BY
1			

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
1920 WEKIVA WAY SUITE 200, WEST PALM BEACH, FL 33411
PHONE: 561-845-0665 FAX: 561-863-8175
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

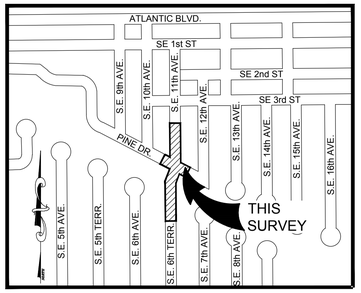
KHA PROJECT 040985062
DATE MAY 2025
SCALE AS SHOWN
DESIGNED BY
DRAWN BY
CHECKED BY

S.E. 6TH TERRACE BRIDGE REPLACEMENT
PREPARED FOR
CITY OF POMPANO BEACH
CITY OF POMPANO FLORIDA

LICENSED PROFESSIONAL
DATE:

WING WALL ANNOTATION ELEVATION

SHEET NUMBER
A3



LOCATION SKETCH

NOT TO SCALE

DATE	REVISION	BY
09/07/23	ADDITIONAL TOPO ADDED	DDB

DATE 10/01/20
SCALE 1"=20'
FIELD BOOK 888 1073
DRAWN BY DDB
CHECKED BY THG

KEITH
301 EAST ATLANTIC BOULEVARD
POMPANO BEACH, FLORIDA 33060-6643
(954) 788-3400
EMAIL: mail@KEITHteam.com LB NO. 6860

TOPOGRAPHIC SURVEY
SE 6th TERRACE BRIDGE

A PORTION OF RIGHT OF WAY FOR SE 6th TERRACE & BRIDGE TOGETHER WITH A PORTION OF RIGHT OF WAY FOR PINE DRIVE CITY OF POMPANO BEACH, BROWARD COUNTY, FLORIDA

SHEET 1 OF 3

PROJECT NUMBER 11109.00

LEGEND:

B.C.R.	BROWARD COUNTY RECORDS
CLF	CHAIN LINK FENCE
CMP	CORRUGATED METAL PIPE
CONC.	CONCRETE
D.B.	DEED BOOK
DIP	DUCTILE IRON PIPE
E.	EAST
ELEV.	ELEVATION
GUM	GUMBO LIMBO
INV.	INVERT
LB NO.	FLORIDA LICENSED BUSINESS NUMBER
LB6860	FLORIDA LICENSED BUSINESS NUMBER 6680
MP	METAL PIPE
N.	NORTH
NO.	NUMBER
P.B.	PLAT BOOK
PG.	PAGE
PVC	POLYVINYL CHLORIDE PIPE
RCP	REINFORCED CONCRETE PIPE
S.	SOUTH
SE	SOUTHEAST
SB	SILVER BUTTON WOOD TREE
TYP.	TYPICAL
UNK.	UNKNOWN TREE
W.	WEST

BFP	BACK FLOW PREVENTER
	BENCHMARK
	CATCH BASIN
CATV	CATV PEDESTAL
	COLUMN
PO	CONCRETE LIGHT POLE
C	CONCRETE UTILITY POLE
	DECIDUOUS TREE
	DOUBLE POST SIGN
E	ELECTRIC BOX
EHH	ELECTRIC HAND HOLE
EM	ELECTRIC METER
	END OF SIGNAL
FO	FIBER OPTIC BOX
FOHH	FIBER OPTIC HAND HOLE
	FIRE HYDRANT
	GUY ANCHOR
	PALM TREE
	PLASTIC POLE
CO	SANITARY SEWER CLEAN-OUT
S	SANITARY SEWER MANHOLE
	SINGLE POST SIGN
T	TELEPHONE PEDESTAL
W	WATER METER
	WATER VALVE
PW	WOOD LIGHT POLE
W	WOOD UTILITY POLE

BT(B)	UNDERGROUND TELEPHONE
BCATV(B)	UNDERGROUND CABLE TELEVISION
BPWR(B)	UNDERGROUND ELECTRICAL
BFO(B)	UNDERGROUND FIBER OPTIC
BFM(B)	UNDERGROUND FORCE MAIN
BUNK(B)	UNDERGROUND UNKNOWN
BWM(B)	UNDERGROUND WATER
	CHAIN LINK FENCE
	METAL FENCE /METAL HAND RAIL
	PVC FENCE
X	WOOD FENCE
	GUARD RAIL
	HEDGE
OHW	OVERHEAD WIRES
	BRICK PAVERS
	STAMPED CONCRETE

SURVEY NOTES:

1. THE LAND DESCRIPTION SHOWN HEREON WAS PROVIDED BY THE CLIENT.
2. NOT VALID WITHOUT THE SIGNATURE AND ORIGINAL SEAL OR AN ENCRYPTED DIGITAL SIGNATURE OF A FLORIDA PROFESSIONAL SURVEYOR AND MAPPER.
3. IT IS A VIOLATION OF THE STANDARDS OF PRACTICE RULE 5J-17 OF THE FLORIDA ADMINISTRATIVE CODE TO ALTER THIS SURVEY WITHOUT THE EXPRESS PRIOR WRITTEN CONSENT OF THE SURVEYOR. ADDITIONS AND/OR DELETIONS MADE TO THE FACE OF THIS SURVEY WILL MAKE THIS SURVEY INVALID.
4. LANDS SHOWN HEREON WERE NOT ABSTRACTED FOR RIGHTS OF WAY, EASEMENTS, OWNERSHIP, OR OTHER INSTRUMENTS OF RECORD.
5. THIS IS NOT A BOUNDARY SURVEY.
6. THIS SURVEY IS CLASSIFIED AS COMMERCIAL/HIGH RISK AND EXCEEDS THE MINIMUM RELATIVE DISTANCE ACCURACY OF 1 FOOT IN 10,000 FEET AS REQUIRED BY THE STANDARDS OF PRACTICE RULE 5J-17 OF THE FLORIDA ADMINISTRATIVE CODE. THE ACCURACY OBTAINED BY MEASUREMENT AND CALCULATION OF A CLOSED GEOMETRIC FIGURE WAS FOUND TO EXCEED THIS REQUIREMENT.
7. THE OWNERSHIP OF FENCES, PERIMETER WALLS AND/OR HEDGES SHOWN HEREON ARE NOT KNOWN AND THUS ARE NOT LISTED AS ENCROACHMENTS. FENCES, HEDGES AND/OR PERIMETER WALLS ARE SHOWN IN THEIR RELATIVE POSITION TO THE BOUNDARY.
8. ELEVATIONS SHOWN HEREON ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 1988). SAID ELEVATIONS ARE BASED ON THE NATIONAL GEODETIC SURVEY (NGS) BENCHMARKS N-400, VERTICAL CONTROL DISK IN FOOTING, STAMPED "N 400 1991", IN POMPANO BEACH, IN THE EAST SIDE OF THE CONCRETE FOOTING FOR THE NORTHWEST COLUMN OF THE POMPANO BEACH CITY HALL AT 100 WEST ATLANTIC BOULEVARD, 120.1 FEET WEST OF THE CENTER OF THE MAIN ENTRANCE TO THE BUILDING, 9.8 FEET NORTHEAST OF THE NORTHWEST CORNER OF THE BUILDING, 8.2 FEET NORTH OF THE NORTH FACE OF THE BUILDING, 1.0 FOOT EAST OF THE COLUMN, AND LEVEL WITH THE GROUND SURFACE. ELEVATION=7.83'. AND NGS BENCHMARK U 311, BENCHMARK DISC IN TOP OF CONCRETE MONUMENT, STAMPED "U 311 1970", AT POMPANO BEACH, ABOUT 0.4 MILES WEST ALONG STATE HIGHWAY 814 (ATLANTIC BLVD) FROM THE INTERSECTION OF U.S. HIGHWAY 1, 31 FEET NORTH OF THE CENTER LINE OF THE WESTBOUND LANE OF THE HIGHWAY, 26 FEET WEST OF THE APPROXIMATE CENTER LINE OF NE 14 TH AVENUE, 2 FEET NORTH OF THE NORTH EDGE OF A CONCRETE SIDEWALK, 2 FEET NORTHWEST OF A STOP SIGN, ABOUT LEVEL WITH THE HIGHWAY AND SET IN THE TOP OF A CONCRETE POST FLUSH WITH THE GROUND. ELEVATION=10.74'
9. FEATURES AND LINE WORK SHOWN HEREON ARE REFERENCED TO THE NORTH AMERICAN HORIZONTAL DATUM OF 1983 WITH THE 2011 ADJUSTMENT APPLIED (83/NSRS11), TRANSVERSE MERCATOR, FLORIDA EAST ZONE.
10. THE EXPECTED VERTICAL ACCURACY OF THE INFORMATION SHOWN HEREON IS ±0.03' FOR HARD SURFACE ELEVATIONS AND 0.1' FOR SOFT SURFACE ELEVATIONS.
11. THE HORIZONTAL FEATURES SHOWN HEREON ARE PLOTTED TO WITHIN 1/20 OF THE MAP SCALE. HORIZONTAL FEATURE LOCATION IS TO THE CENTER OF THE SYMBOL AND MAY BE ALTERED FOR CLARITY. DISTANCES AND ELEVATIONS SHOWN HEREON ARE U.S. SURVEY FEET UNLESS OTHERWISE NOTED. THE EXPECTED HORIZONTAL ACCURACY OF THE INFORMATION SHOWN HEREON IS ±0.1'.
12. UNLESS OTHERWISE NOTED THE UTILITY LINES SHOWN HEREON REPRESENT A LOCATED SURFACE DESIGNATION (PAINT MARK OR FLAG) AS MARKED BY KEITH & ASSOCIATES' SUBSURFACE UTILITY ENGINEERING DIVISION. THE HORIZONTAL ACCURACY STATEMENT SHOWN IN NOTE 11 PERTAINS ONLY TO THE LOCATION OF THE PAINT MARK OR FLAG AND NOT THE ACTUAL UTILITY LOCATION.
13. THE INTENDED DISPLAY SCALE FOR THIS SURVEY IS 1"= 20' OR SMALLER.
14. ALL MAPPED FEATURES AND ELEVATIONS SHOWN HEREON WERE OBTAINED BY KEITH AND ASSOCIATES FOR THE PURPOSE OF THIS SURVEY.
15. UNLESS OTHERWISE NOTED THE UTILITY LINES SHOWN HEREON REPRESENT A LOCATED SURFACE DESIGNATION (PAINT MARK OR FLAG) AS MARKED BY KEITH & ASSOCIATES' SUBSURFACE UTILITY ENGINEERING DIVISION. THE HORIZONTAL ACCURACY STATEMENT SHOWN IN NOTE 11 PERTAINS ONLY TO THE LOCATION OF THE PAINT MARK OR FLAG AND NOT THE ACTUAL UTILITY LOCATION.

LEGAL DESCRIPTION:

A PORTION OF RIGHT OF WAY FOR SE 6th TERRACE BRIDGE, EXTENDING 500 FEET SOUTH OF THE BRIDGE AND 400 FEET NORTH OF PINE DRIVE.

TOGETHER WITH:

A PORTION OF RIGHT OF WAY FOR PINE DRIVE EXTENDED 100 FEET WEST AND 150 FEET EAST OF INTERSECTION OF PINE DRIVE AND SE 6th TERRACE.

CERTIFICATION:

I HEREBY CERTIFY THAT THE ATTACHED TOPOGRAPHIC SURVEY OF THE HEREON DESCRIBED PROPERTY IS DEPICTED TO THE BEST OF MY KNOWLEDGE AND BELIEF AND THE INFORMATION AS SURVEYED UNDER MY DIRECTION ON OCTOBER 01, 2020 MEETS THE STANDARDS OF PRACTICE RULE 5J-17 OF THE FLORIDA ADMINISTRATIVE CODE, PURSUANT TO SECTION 472.027, FLORIDA STATUTES, SUBJECT TO THE QUALIFICATIONS NOTED HEREON.

KEITH & ASSOCIATES, INC.

DONALD A. SPICER
PROFESSIONAL SURVEYOR AND MAPPER
REGISTRATION NO. 4677
STATE OF FLORIDA
(FOR THE FIRM)

S:\11109.00 - Pompano Beach SE 6th Terrace Bridge - Kimley-Horn\Survey\DWG\11109.00 TOPOGRAPHIC SURVEY.dwg

[SHEET 1] Aug 23, 2023 10:38am

MATCH LINE "A"

MATCH LINE "A"

MATCH LINE "B"

MATCH LINE "B"

S.E. 11th AVE

BLOCK 6
OCEAN DRIVE ESTATES
P.B. 8, PG. 2, B.C.R.

BLOCK 5
OCEAN DRIVE ESTATES
P.B. 8, PG. 2, B.C.R.

SITE BENCHMARK
SITE NAIL & DISC
LB6860 ELEV.=3.31'

SANITARY SEWER MANHOLE
RIM ELEV.=3.26'
N. INV. ELEV.=(-)3.79'-18" CLAY
S. INV. ELEV.=(-)3.82'-18" CLAY

ASPHALT PARKING
CONC. WALK
ASPHALT PARKING
ASPHALT PAVEMENT
ASPHALT PARKING

35'
35'
70'

ASPHALT PAVEMENT TYP.
SOLID WHITE STRIPE TYP.
BROKEN YELLOW STRIPE TYP.
HEDGE
ASPHALT PAVEMENT TYP.
ASPHALT PARKING
SOLID WHITE STRIPE TYP.
GRASS
GRASS
CONC. WALK
ASPHALT PAVEMENT
ASPHALT PARKING
ASPHALT DRIVEWAY

SANITARY SEWER MANHOLE
RIM ELEV.=2.59'
UNABLE TO ACCESS
RUSTED SHUT

RIDUS10"

SCALE: 1" = 20'

BLOCK 6
OCEAN DRIVE ESTATES
P.B. 8, PG. 2, B.C.R.

CATCH BASIN
RIM ELEV.=1.98'
W. INV. ELEV.=(-)0.09' - 15" RCP
S.E. INV. ELEV.=(-)0.76' - 12" RCP
BOTTOM ELEV.=(-)0.83'

ASPHALT PARKING
BROKEN WHITE STRIPE TYP.
SANITARY SEWER MANHOLE
RIM ELEV.=2.27'
W. INV. ELEV.=(-)1.14' - 8" UNKNOWN
ASPHALT PAVEMENT
PINE DRIVE
GRASS
CONC. WALK
DOUBLE YELLOW STRIPE TYP.
ASPHALT PAVEMENT
STOP BAR

ASPHALT PARKING
ORIGINAL NORTH LINE OF BLOCK 9
10' VACATED RIGHT OF WAY WAY PER O.B. 791, PG. 113, B.C.R
CONCRETE DRIVEWAY
GRASS
STOP BAR
CONC. WALK
BFP

BLOCK 9
OCEAN DRIVE ESTATES
P.B. 8, PG. 2, B.C.R.

CATCH BASIN
RIM ELEV.=2.38'
S.E. INV. ELEV.=(-)0.24' - 12" RCP
BOTTOM ELEV.=(-)1.07'
UNK-2"

4' WOOD FENCE
HEDGE
GRASS
CONC. WALK
ASPHALT PAVEMENT
ASPHALT PAVEMENT
35'
35'
70'

CURRENT SOUTH LINE OF BLOCK 9
ORIGINAL SOUTH LINE OF BLOCK 9
CONC. PAD
CONC. PAD
6' METAL FENCE
SEAWALL
POMPANO CANAL
110' RIGHT OF WAY PER
SOUTH FLORIDA WATER MANAGEMENT DISTRICT
RIGHT OF WAY MAP FOR CANAL 14
DRAWING NO. C-14-20 SHEET 18 OF 19
LAST REVISED 8/15/92
UNK-CLUSTER
MANGROVE-CLUSTER
(3)-3" PVC
(2)-3" MP
8" DIP
(2)-2" DIP
METAL HAND RAIL
WATER
60'
50'

SITE BENCHMARK
SITE NAIL & DISC
LB6860 ELEV.=10.89'
COLUMN TYP.
SEAWALL
SEAWALL
8" DIP
4' METAL FENCE
CONC. WALK
RAISED CONC.
ASPHALT PAVEMENT
ASPHALT JOINT
BEAM UNDER BRIDGE DECK TYP.
RAISED CONC.
CONCRETE GUARD RAIL TYP.
COLUMN UNDER BRIDGE DECK TYP.
(2)-3" MP
(2)-2" DIP
(3)-3" PVC
COLUMN TYP.
1" MP
12" DIP
SIGN WITH LIGHT
0.5'X0.5' CONC. POST
HEDGE
COLUMN
SEAWALL
GRASS
GRAVEL
GRASS
CONC. WALK
ASPHALT PAVEMENT

SCALE: 1" = 20'

BLOCK 23
GARDEN ISLES
SECTION SEVEN
P.B. 52, PG. 3, B.C.R.

18'X10' ANCHOR EASEMENT
PER P.B 54, PG. 23, B.C.R.

SANITARY SEWER MANHOLE
RIM ELEV.=6.14'
S. INV. ELEV.=0.90' - 8" PVC

BLOCK 27
GARDEN ISLES
SECTION EIGHT
P.B. 54, PG. 23, B.C.R.

(SEE SHEET 3)

(SEE SHEET 3)

BLOCK 5
OCEAN DRIVE ESTATES
P.B. 8, PG. 2, B.C.R.

ASPHALT PARKING
DOUBLE YELLOW STRIPE TYP.
ASPHALT PAVEMENT
STOP BAR

SITE BENCHMARK
SITE NAIL & DISC
LB6860 ELEV.=2.23'

CATCH BASIN
RIM ELEV.=1.46'
S. INV. ELEV.=(-)1.00' - 15" RCP
N.W. INV. ELEV.=(-)0.90' - 12" METAL
BOTTOM ELEV.=(-)1.48'
GUM-12"

4' PVC FENCE
GRASS
HEDGE
GRASS
STOP BAR
ASPHALT PARKING
DOUBLE YELLOW STRIPE TYP.
ASPHALT PAVEMENT
PINE DRIVE
GRASS
ASPHALT PARKING
ASPHALT PARKING
10' VACATED RIGHT OF WAY WAY PER O.B. 791, PG. 113, B.C.R

CATCH BASIN
RIM ELEV.=2.21'
W. INV. ELEV.=(-)0.38' - 12" RCP
BOTTOM ELEV.=(-)0.77'

CATCH BASIN
RIM ELEV.=2.93'
N. INV. ELEV.=(-)1.33' - 12" RCP
N.W. INV. ELEV.=(-)0.88 - 15" CMP
S. INV. ELEV.=(-)1.32' - 24" PLASTIC
E. INV. ELEV.=(-)0.60' - 12" RCP
BOTTOM ELEV.=(-)1.87'

BLOCK 10
OCEAN DRIVE ESTATES
P.B. 8, PG. 2, B.C.R.

UNK-42"
4' METAL FENCE
GRASS
ASPHALT PAVEMENT
HEDGE
(3)-3" PVC
(2)-3" MP
8" DIP
(2)-2" DIP
METAL HAND RAIL
GATE
SEAWALL
4' CLF
12" DIP
6' METAL FENCE
OUTFALL 24" RCP
INV. ELEV.=(-)1.31'
1" MP
BEAM UNDER BRIDGE DECK TYP.
RAISED CONC.
CONC. WALK
RAISED CONC.
ASPHALT PAVEMENT
ASPHALT JOINT
CONCRETE GUARD RAIL TYP.
COLUMN TYP.
SEAWALL
COLUMN UNDER BRIDGE DECK TYP.
WATER
CURRENT SOUTH LINE OF BLOCK 10
ORIGINAL SOUTH LINE OF BLOCK 10
(2)-3" MP
(2)-2" DIP
(3)-3" PVC
COLUMN TYP.
1" MP
12" DIP
SIGN WITH LIGHT
0.5'X0.5' CONC. POST
HEDGE
COLUMN
SEAWALL
POMPANO CANAL
110' RIGHT OF WAY PER
SOUTH FLORIDA WATER MANAGEMENT DISTRICT
RIGHT OF WAY MAP FOR CANAL 14
DRAWING NO. C-14-20 SHEET 18 OF 19
LAST REVISED 8/15/92
WATER
60'
50'

DATE	REVISION	BY
09/07/23	ADDITIONAL TOPO ADDED	DDB

DATE	10/01/20
SCALE	1"=20'
FIELD BOOK	888 1073
DRAWN BY	DDB
CHECKED BY	THG

KEITH
301 EAST ATLANTIC BOULEVARD
POMPANO BEACH, FLORIDA 33060-6643
(954) 788-3400
EMAIL: mail@KEITHteam.com LB NO. 6860

TOPOGRAPHIC SURVEY
SE 6th TERRACE BRIDGE

A PORTION OF RIGHT OF WAY FOR SE 6th TERRACE & BRIDGE
TOGETHER WITH
A PORTION OF RIGHT OF WAY FOR PINE DRIVE
CITY OF POMPANO BEACH, BROWARD COUNTY, FLORIDA

SHEET 2 OF 3
PROJECT NUMBER
11109.00

[SHEET 2] Aug 23, 2023 10:39am

S:\11109.00 - Pompano Beach SE 6th Terrace Bridge - Kimley-Horn\Survey\DWG\11109.00 TOPOGRAPHIC SURVEY.dwg

S:\111109.00 - Pompano Beach SE 6th Terrace Bridge - Kimley-Horn\Survey\DWG\11109.00 TOPOGRAPHIC SURVEY.dwg

TOPOGRAPHIC SURVEY
SE 6th TERRACE BRIDGE

A PORTION OF RIGHT OF WAY FOR SE 6th TERRACE & BRIDGE
TOGETHER WITH
A PORTION OF RIGHT OF WAY FOR PINE DRIVE
CITY OF POMPANO BEACH, BROWARD COUNTY, FLORIDA

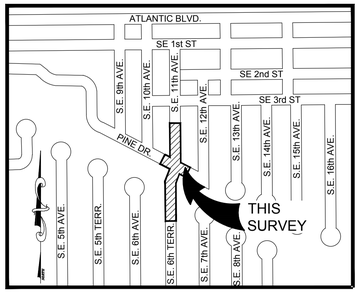
SHEET 3 OF 3
PROJECT NUMBER 11109.00

KEITH
301 EAST ATLANTIC BOULEVARD
POMPANO BEACH, FLORIDA 33060-6643
(954) 788-3400
EMAIL: mail@KEITHteam.com LB NO. 6860

DATE	10/01/20
SCALE	1"=20'
FIELD BOOK	888 1073
DRAWN BY	DDB
CHECKED BY	THG

DATE	REVISION	BY
08/21/23	ADDITIONAL TOPO ADDED	DDB

SHEET 3 Aug 23, 2023 10:39am



LOCATION SKETCH

NOT TO SCALE

DATE	REVISION	BY
09/7/23	ADDITIONAL TOPO ADDED	DDB
09/29/23	ADD CROSS-SECTIONS	DAS

DATE 10/01/20
SCALE 1"=20'
FIELD BOOK 888 1073
DRAWN BY DDB
CHECKED BY THG

KEITH
301 EAST ATLANTIC BOULEVARD
POMPANO BEACH, FLORIDA 33060-6643
(954) 788-3400
EMAIL: mail@KEITHteam.com LB NO. 6860

TOPOGRAPHIC SURVEY
SE 6th TERRACE BRIDGE

A PORTION OF RIGHT OF WAY FOR SE 6th TERRACE & BRIDGE
TOGETHER WITH
A PORTION OF RIGHT OF WAY FOR PINE DRIVE
CITY OF POMPANO BEACH, BROWARD COUNTY, FLORIDA

SHEET 1 OF 4
PROJECT NUMBER
11109.00

LEGEND:

B.C.R.	BROWARD COUNTY RECORDS
CLF	CHAIN LINK FENCE
CMP	CORRUGATED METAL PIPE
CONC.	CONCRETE
D.B.	DEED BOOK
DIP	DUCTILE IRON PIPE
E.	EAST
ELEV.	ELEVATION
GUM	GUMBO LIMBO
INV.	INVERT
LB NO.	FLORIDA LICENSED BUSINESS NUMBER
LB6860	FLORIDA LICENSED BUSINESS NUMBER 6680
MP	METAL PIPE
N.	NORTH
NO.	NUMBER
P.B.	PLAT BOOK
PG.	PAGE
PVC	POLYVINYL CHLORIDE PIPE
RCP	REINFORCED CONCRETE PIPE
S.	SOUTH
SE	SOUTHEAST
SB	SILVER BUTTON WOOD TREE
TYP.	TYPICAL
UNK.	UNKNOWN TREE
W.	WEST

BFP BACK FLOW PREVENTER
BENCHMARK
CATCH BASIN
CATV PEDESTAL
COLUMN
CONCRETE LIGHT POLE
CONCRETE UTILITY POLE
DECIDUOUS TREE
DOUBLE POST SIGN
ELECTRIC BOX
EHH ELECTRIC HAND HOLE
EM ELECTRIC METER
END OF SIGNAL
FO FIBER OPTIC BOX
FOHH FIBER OPTIC HAND HOLE
FIRE HYDRANT
GUY ANCHOR
PALM TREE
PLASTIC POLE
SSCO SANITARY SEWER CLEAN-OUT
SS SANITARY SEWER MANHOLE
SINGLE POST SIGN
TELEPHONE PEDESTAL
WM WATER METER
WV WATER VALVE
PW WOOD LIGHT POLE
WOOD UTILITY POLE

BT(B) UNDERGROUND TELEPHONE
BCATV(B) UNDERGROUND CABLE TELEVISION
BPWR(B) UNDERGROUND ELECTRICAL
BFO(B) UNDERGROUND FIBER OPTIC
BFM(B) UNDERGROUND FORCE MAIN
BUNK(B) UNDERGROUND UNKNOWN
BWM(B) UNDERGROUND WATER
CHAIN LINK FENCE
METAL FENCE /METAL HAND RAIL
PVC FENCE
WOOD FENCE
GUARD RAIL
HEDGE
OHW OVERHEAD WIRES
BRICK PAVERS
STAMPED CONCRETE

SURVEY NOTES:

1. THE LAND DESCRIPTION SHOWN HEREON WAS PROVIDED BY THE CLIENT.
2. NOT VALID WITHOUT THE SIGNATURE AND ORIGINAL SEAL OR AN ENCRYPTED DIGITAL SIGNATURE OF A FLORIDA PROFESSIONAL SURVEYOR AND MAPPER.
3. IT IS A VIOLATION OF THE STANDARDS OF PRACTICE RULE 5J-17 OF THE FLORIDA ADMINISTRATIVE CODE TO ALTER THIS SURVEY WITHOUT THE EXPRESS PRIOR WRITTEN CONSENT OF THE SURVEYOR. ADDITIONS AND/OR DELETIONS MADE TO THE FACE OF THIS SURVEY WILL MAKE THIS SURVEY INVALID.
4. LANDS SHOWN HEREON WERE NOT ABSTRACTED FOR RIGHTS OF WAY, EASEMENTS, OWNERSHIP, OR OTHER INSTRUMENTS OF RECORD.
5. THIS IS NOT A BOUNDARY SURVEY.
6. THIS SURVEY IS CLASSIFIED AS COMMERCIAL/HIGH RISK AND EXCEEDS THE MINIMUM RELATIVE DISTANCE ACCURACY OF 1 FOOT IN 10,000 FEET AS REQUIRED BY THE STANDARDS OF PRACTICE RULE 5J-17 OF THE FLORIDA ADMINISTRATIVE CODE. THE ACCURACY OBTAINED BY MEASUREMENT AND CALCULATION OF A CLOSED GEOMETRIC FIGURE WAS FOUND TO EXCEED THIS REQUIREMENT.
7. THE OWNERSHIP OF FENCES, PERIMETER WALLS AND/OR HEDGES SHOWN HEREON ARE NOT KNOWN AND THUS ARE NOT LISTED AS ENCROACHMENTS. FENCES, HEDGES AND/OR PERIMETER WALLS ARE SHOWN IN THEIR RELATIVE POSITION TO THE BOUNDARY.
8. ELEVATIONS SHOWN HEREON ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 1988). SAID ELEVATIONS ARE BASED ON THE NATIONAL GEODETIC SURVEY (NGS) BENCHMARKS N-400, VERTICAL CONTROL DISK IN FOOTING, STAMPED "N 400 1991", IN POMPANO BEACH, IN THE EAST SIDE OF THE CONCRETE FOOTING FOR THE NORTHWEST COLUMN OF THE POMPANO BEACH CITY HALL AT 100 WEST ATLANTIC BOULEVARD, 120.1 FEET WEST OF THE CENTER OF THE MAIN ENTRANCE TO THE BUILDING, 9.8 FEET NORTHEAST OF THE NORTHWEST CORNER OF THE BUILDING, 8.2 FEET NORTH OF THE NORTH FACE OF THE BUILDING, 1.0 FOOT EAST OF THE COLUMN, AND LEVEL WITH THE GROUND SURFACE. ELEVATION=7.83'. AND NGS BENCHMARK U 311, BENCHMARK DISC IN TOP OF CONCRETE MONUMENT, STAMPED "U 311 1970", AT POMPANO BEACH, ABOUT 0.4 MILES WEST ALONG STATE HIGHWAY 814 (ATLANTIC BLVD) FROM THE INTERSECTION OF U.S. HIGHWAY 1, 31 FEET NORTH OF THE CENTER LINE OF THE WESTBOUND LANE OF THE HIGHWAY, 26 FEET WEST OF THE APPROXIMATE CENTER LINE OF NE 14 TH AVENUE, 2 FEET NORTH OF THE NORTH EDGE OF A CONCRETE SIDEWALK, 2 FEET NORTHWEST OF A STOP SIGN, ABOUT LEVEL WITH THE HIGHWAY AND SET IN THE TOP OF A CONCRETE POST FLUSH WITH THE GROUND. ELEVATION=10.74'
9. FEATURES AND LINE WORK SHOWN HEREON ARE REFERENCED TO THE NORTH AMERICAN HORIZONTAL DATUM OF 1983 WITH THE 2011 ADJUSTMENT APPLIED (83/NSRS11), TRANSVERSE MERCATOR, FLORIDA EAST ZONE.
10. THE EXPECTED VERTICAL ACCURACY OF THE INFORMATION SHOWN HEREON IS ±0.03' FOR HARD SURFACE ELEVATIONS AND 0.1' FOR SOFT SURFACE ELEVATIONS.
11. THE HORIZONTAL FEATURES SHOWN HEREON ARE PLOTTED TO WITHIN 1/20 OF THE MAP SCALE. HORIZONTAL FEATURE LOCATION IS TO THE CENTER OF THE SYMBOL AND MAY BE ALTERED FOR CLARITY. DISTANCES AND ELEVATIONS SHOWN HEREON ARE U.S. SURVEY FEET UNLESS OTHERWISE NOTED. THE EXPECTED HORIZONTAL ACCURACY OF THE INFORMATION SHOWN HEREON IS ±0.1'.
12. UNLESS OTHERWISE NOTED THE UTILITY LINES SHOWN HEREON REPRESENT A LOCATED SURFACE DESIGNATION (PAINT MARK OR FLAG) AS MARKED BY KEITH & ASSOCIATES' SUBSURFACE UTILITY ENGINEERING DIVISION. THE HORIZONTAL ACCURACY STATEMENT SHOWN IN NOTE 11 PERTAINS ONLY TO THE LOCATION OF THE PAINT MARK OR FLAG AND NOT THE ACTUAL UTILITY LOCATION.
13. THE INTENDED DISPLAY SCALE FOR THIS SURVEY IS 1"= 20' OR SMALLER.
14. ALL MAPPED FEATURES AND ELEVATIONS SHOWN HEREON WERE OBTAINED BY KEITH AND ASSOCIATES FOR THE PURPOSE OF THIS SURVEY.
15. UNLESS OTHERWISE NOTED THE UTILITY LINES SHOWN HEREON REPRESENT A LOCATED SURFACE DESIGNATION (PAINT MARK OR FLAG) AS MARKED BY KEITH & ASSOCIATES' SUBSURFACE UTILITY ENGINEERING DIVISION. THE HORIZONTAL ACCURACY STATEMENT SHOWN IN NOTE 11 PERTAINS ONLY TO THE LOCATION OF THE PAINT MARK OR FLAG AND NOT THE ACTUAL UTILITY LOCATION.
16. THE CANAL CROSS-SECTIONS SHOWN HEREON WERE PREPARED BY KIMLEY-HORN AND ARE BASED ON MAPPED FEATURES AND ELEVATIONS OBTAINED BY KEITH AND ASSOCIATES FOR THE PURPOSE OF THIS SURVEY.

LEGAL DESCRIPTION:

A PORTION OF RIGHT OF WAY FOR SE 6th TERRACE BRIDGE, EXTENDING 500 FEET SOUTH OF THE BRIDGE AND 400 FEET NORTH OF PINE DRIVE.

TOGETHER WITH:

A PORTION OF RIGHT OF WAY FOR PINE DRIVE EXTENDED 100 FEET WEST AND 150 FEET EAST OF INTERSECTION OF PINE DRIVE AND SE 6th TERRACE.

CERTIFICATION:

I HEREBY CERTIFY THAT THE ATTACHED TOPOGRAPHIC SURVEY OF THE HEREON DESCRIBED PROPERTY IS DEPICTED TO THE BEST OF MY KNOWLEDGE AND BELIEF AND THE INFORMATION AS SURVEYED UNDER MY DIRECTION ON OCTOBER 01, 2020 MEETS THE STANDARDS OF PRACTICE RULE 5J-17 OF THE FLORIDA ADMINISTRATIVE CODE, PURSUANT TO SECTION 472.027, FLORIDA STATUTES, SUBJECT TO THE QUALIFICATIONS NOTED HEREON.

KEITH & ASSOCIATES, INC.

DONALD A. SPICER
PROFESSIONAL SURVEYOR AND MAPPER
REGISTRATION NO. 4677
STATE OF FLORIDA
(FOR THE FIRM)

This item has been digitally signed and sealed by Donald A Spicer on the date adjacent to the seal. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

U.S.A. LICENSED No. 4677 STATE OF FLORIDA

Digitally signed by DONALD A SPICER
Date: 2023.09.25 14:45:00-04'00'

S:\11109.00 - Pompano Baach SE 6th Terrace Bridge - Kimley-Horn\Survey\DWG\11109.00 TOPOGRAPHIC SURVEY.dwg

[SHEET 1] Sep 25, 2023 10:51am

MATCH LINE "A"

MATCH LINE "A"

MATCH LINE "B"

MATCH LINE "B"

S.E. 11th AVE

BLOCK 6
OCEAN DRIVE ESTATES
P.B. 8, PG. 2, B.C.R.

BLOCK 5
OCEAN DRIVE ESTATES
P.B. 8, PG. 2, B.C.R.

SITE BENCHMARK
SITE NAIL & DISC
LB6860 ELEV.=3.31'

SANITARY SEWER MANHOLE
RIM ELEV.=3.26'
N. INV. ELEV.=(-)3.79'-18" CLAY
S. INV. ELEV.=(-)3.82'-18" CLAY

ASPHALT PARKING
CONC. WALK
ASPHALT PARKING
ASPHALT PAVEMENT
ASPHALT PARKING

35'
35'
70'

ASPHALT PAVEMENT TYP.
SOLID WHITE STRIPE TYP.
BROKEN YELLOW STRIPE TYP.
HEDGE
ASPHALT PAVEMENT TYP.
ASPHALT PARKING
SOLID WHITE STRIPE TYP.

SANITARY SEWER MANHOLE
RIM ELEV.=2.59'
UNABLE TO ACCESS
RUSTED SHUT

GRASS
GRASS
CONC. WALK
ASPHALT PAVEMENT
S.E. 11th AVE
ASPHALT PARKING
ASPHALT DRIVEWAY

SCALE: 1" = 20'

BLOCK 6
OCEAN DRIVE ESTATES
P.B. 8, PG. 2, B.C.R.

BLOCK 9
OCEAN DRIVE ESTATES
P.B. 8, PG. 2, B.C.R.

BLOCK 5
OCEAN DRIVE ESTATES
P.B. 8, PG. 2, B.C.R.

BLOCK 10
OCEAN DRIVE ESTATES
P.B. 8, PG. 2, B.C.R.

BLOCK 23
GARDEN ISLES
SECTION SEVEN
P.B. 52, PG. 3, B.C.R.

BLOCK 27
GARDEN ISLES
SECTION EIGHT
P.B. 54, PG. 23, B.C.R.

PINE DRIVE

ASPHALT PARKING
BROKEN WHITE STRIPE TYP.
ASPHALT PAVEMENT
SANITARY SEWER MANHOLE
RIM ELEV.=3.27'
W. INV. ELEV.=(-)1.14' - 8" UNKNOWN
CONC. WALK
GRASS
DOUBLE YELLOW STRIPE TYP.
ASPHALT PAVEMENT
STOP BAR

CATCH BASIN
RIM ELEV.=1.98'
W. INV. ELEV.=(-)0.09' - 15" RCP
S.E. INV. ELEV.=(-)0.76' - 12" RCP
BOTTOM ELEV.=(-)0.83'

ASPHALT PARKING
ASPHALT PARKING
ORIGINAL NORTH LINE OF BLOCK 9
10' VACATED RIGHT OF WAY WAY PER O.B. 791, PG. 113, B.C.R
CONCRETE DRIVEWAY
GRASS
STOP BAR
CONC. WALK
BFP
FFE=5.00

CATCH BASIN
RIM ELEV.=2.38'
S.E. INV. ELEV.=(-)0.24' - 12" RCP
BOTTOM ELEV.=(-)1.07'
UNK-2"
4" WOOD FENCE
HEDGE
GRASS
CONC. WALK
ASPHALT PAVEMENT
ASPHALT PAVEMENT
35'
35'
70'
CONC. PAD
CONC. PAD
6" METAL FENCE
SEAWALL
CURRENT SOUTH LINE OF BLOCK 9
ORIGINAL SOUTH LINE OF BLOCK 9
POMPANO CANAL
110' RIGHT OF WAY PER
SOUTH FLORIDA WATER MANAGEMENT DISTRICT
RIGHT OF WAY MAP FOR CANAL 14
DRAWING NO. C-14-20 SHEET 18 OF 19
LAST REVISED 8/15/92
UNK-CLUSTER
MANGROVE-CLUSTER
WATER
60'
50'

SITE BENCHMARK
SITE NAIL & DISC
LB6860 ELEV.=2.23'
CATCH BASIN
RIM ELEV.=1.46'
S. INV. ELEV.=(-)1.00' - 15" RCP
N.W. INV. ELEV.=(-)0.90' - 12" METAL
BOTTOM ELEV.=(-)1.48'
GUM-12"
4' PVC FENCE
GRASS
HEDGE
GRASS
STOP BAR
DOUBLE YELLOW STRIPE TYP.
ASPHALT PAVEMENT
ASPHALT PARKING
PINE DRIVE
GRASS
CATCH BASIN
RIM ELEV.=2.21'
W. INV. ELEV.=(-)0.38' - 12" RCP
BOTTOM ELEV.=(-)0.77'
ASPHALT PARKING
10' VACATED RIGHT OF WAY WAY PER O.B. 791, PG. 113, B.C.R
CATCH BASIN
RIM ELEV.=2.93'
N. INV. ELEV.=(-)1.33' - 12" RCP
N.W. INV. ELEV.=(-)0.88 - 15" CMP
S. INV. ELEV.=(-)1.32' - 24" PLASTIC
E. INV. ELEV.=(-)0.60' - 12" RCP
BOTTOM ELEV.=(-)1.87'
ASPHALT PAVEMENT
HEDGE
GRASS
UNK-42"
4' METAL FENCE
(3)-3" PVC
(2)-3" MP
8" DIP
(2)-2" DIP
METAL HAND RAIL
GATE
SG-42"
4' CLF
SEAWALL
12" DIP
6' METAL FENCE
OUTFALL 24" RCP
INV. ELEV.=(-)1.31'
1" MP
BEAM UNDER BRIDGE DECK TYP.
RAISED CONC.
CONC. WALK
RAISED CONC.
ASPHALT PAVEMENT
ASPHALT JOINT
CURRENT SOUTH LINE OF BLOCK 10
ORIGINAL SOUTH LINE OF BLOCK 10
SITE BENCHMARK
SITE NAIL & DISC
LB6860 ELEV.=10.89'
CONCRETE GUARD RAIL TYP.
COLUMN TYP.
SEAWALL
COLUMN UNDER BRIDGE DECK TYP.
WATER
(2)-3" MP
(2)-2" DIP
(3)-3" PVC
COLUMN TYP.
1" MP
12" DIP
SIGN WITH LIGHT
SEAWALL
GRASS
8" DIP
4' METAL FENCE
0.5'X0.5' CONC. POST
HEDGE
COLUMN
SEAWALL
CONC. WALK
ASPHALT PAVEMENT
GRAVEL
GRASS
POMPANO CANAL
110' RIGHT OF WAY PER
SOUTH FLORIDA WATER MANAGEMENT DISTRICT
RIGHT OF WAY MAP FOR CANAL 14
DRAWING NO. C-14-20 SHEET 18 OF 19
LAST REVISED 8/15/92
WATER
SANITARY SEWER MANHOLE
RIM ELEV.=6.14'
S. INV. ELEV.=0.90' - 8" PVC
18'X10' ANCHOR EASEMENT
PER P.B 54, PG. 23, B.C.R.
OAK-4"
(SEE SHEET 3)
(SEE SHEET 3)

SCALE: 1" = 20'

DATE	REVISION	BY
09/07/23	ADDITIONAL TOPO ADDED	DDB
09/29/23	ADD CROSS-SECTIONS	DAS

DATE 10/01/20
SCALE 1"=20'
FIELD BOOK 888 1073
DRAWN BY DDB
CHECKED BY THG

KEITH
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POMPANO BEACH, FLORIDA 33060-6643
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TOPOGRAPHIC SURVEY
SE 6th TERRACE BRIDGE

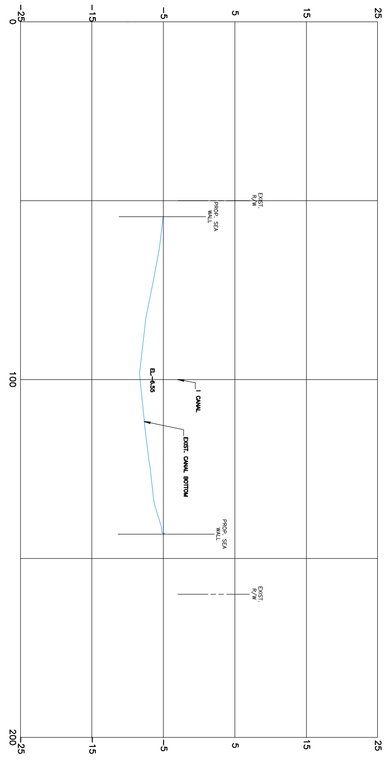
A PORTION OF RIGHT OF WAY FOR SE 6th TERRACE & BRIDGE
TOGETHER WITH
A PORTION OF RIGHT OF WAY FOR PINE DRIVE
CITY OF POMPANO BEACH, BROWARD COUNTY, FLORIDA

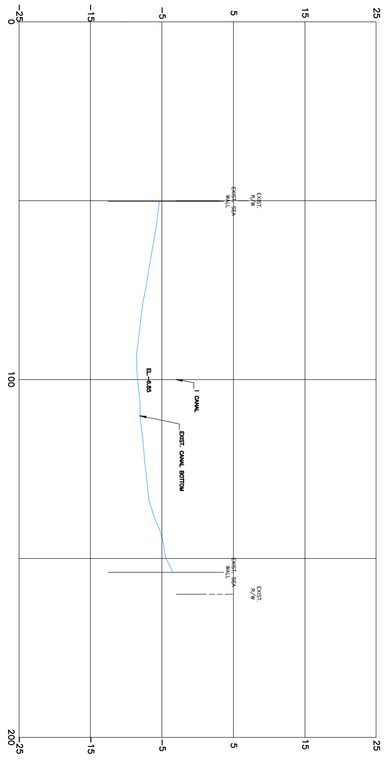
SHEET 2 OF 4
PROJECT NUMBER
11109.00

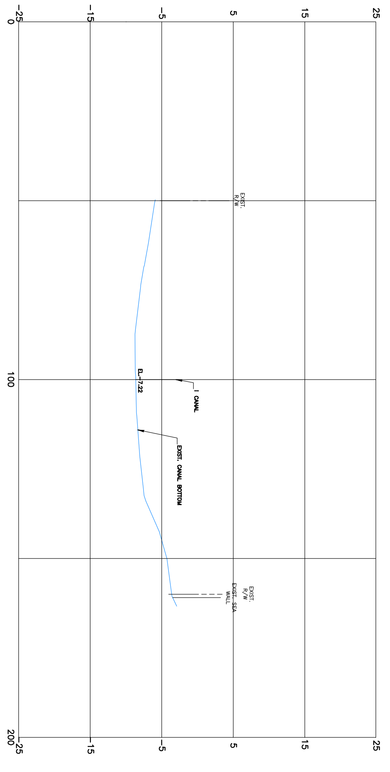
[SHEET 2] Sep 25, 2023 10:51am

S:\11109.00 - Pompano Beach SE 6th Terrace Bridge - Kimley-Horn\Survey\DWG\11109.00 TOPOGRAPHIC SURVEY.dwg

S:\111109.00 - Pompano Beach SE 6th Terrace Bridge - Kimley-Horn\Survey\DWG\11109.00 TOPOGRAPHIC SURVEY.dwg







SHEET 3 OF 4
PROJECT NUMBER 111109.00

TOPOGRAPHIC SURVEY
SE 6th TERRACE BRIDGE

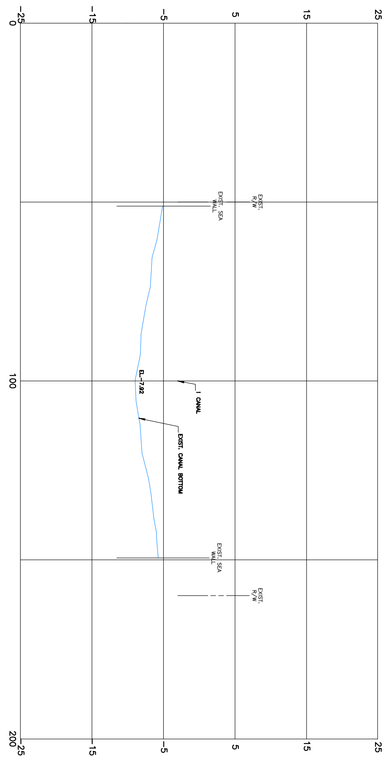
A PORTION OF RIGHT OF WAY FOR SE 6th TERRACE & BRIDGE
TOGETHER WITH
A PORTION OF RIGHT OF WAY FOR PINE DRIVE
CITY OF POMPANO BEACH, BROWARD COUNTY, FLORIDA

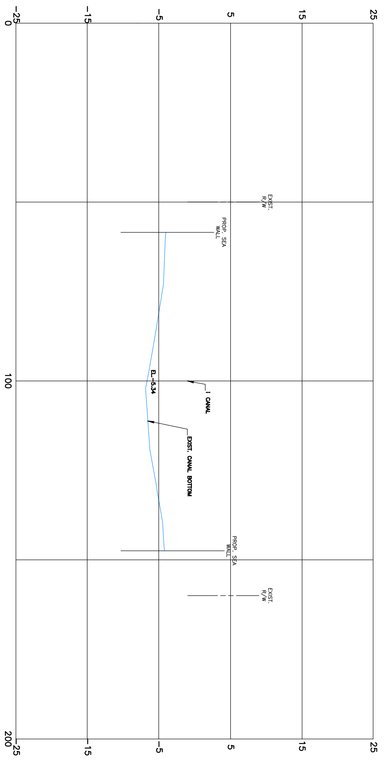
KEITH
301 EAST ATLANTIC BOULEVARD
POMPANO BEACH, FLORIDA 33060-6643
(954) 788-3400
EMAIL: mail@KEITHteam.com LB NO. 6860

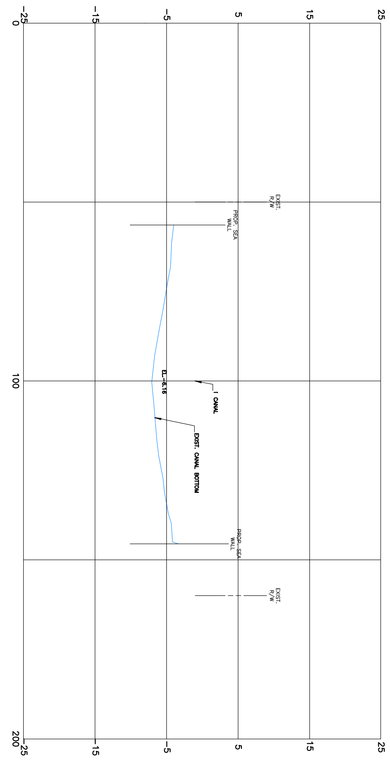
DATE	10/01/20
SCALE	1"=20'
FIELD BOOK	888 1073
DRAWN BY	DDB
CHECKED BY	THG

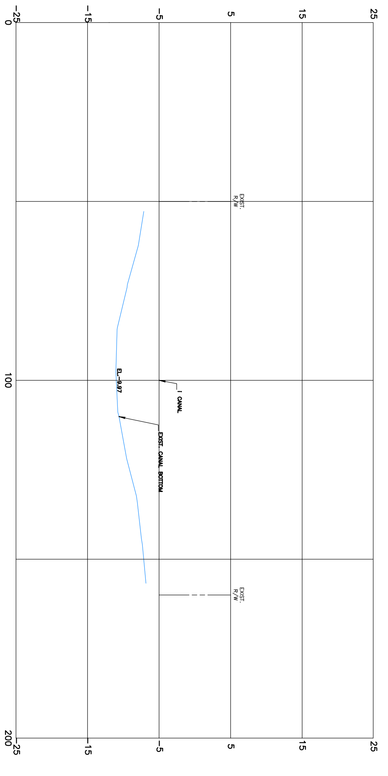
DATE	REVISION	BY
08/21/23	ADDITIONAL TOPO ADDED	DDB
09/25/23	ADD CROSS-SECTIONS	DAS

SHEET 15 Sep 26, 2023 10:52am









SHEET 4 OF 4

PROJECT NUMBER
11109.00

TOPOGRAPHIC SURVEY
SE 6th TERRACE BRIDGE

A PORTION OF RIGHT OF WAY FOR SE 6th TERRACE & BRIDGE
TOGETHER WITH
A PORTION OF RIGHT OF WAY FOR PINE DRIVE
CITY OF POMPANO BEACH, BROWARD COUNTY, FLORIDA

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DATE	10/01/20
SCALE	1"=20'
FIELD BOOK	888 1073
DRAWN BY	DDB
CHECKED BY	THG

DATE	REVISION	BY
06/21/23	ADDITIONAL TOPO ADDED	DDB
09/25/23	ADD CROSS-SECTIONS	DAS

SE 6TH TERRACE
BRIDGE REPLACEMENT
PROJECT #: 19-383

PREPARED FOR:

THE CITY OF POMPANO BEACH

LOCATION:

POMPANO BEACH, FLORIDA

SECTION 1, TOWNSHIP 49S, RANGE 42E

BID SET

INDEX OF STRUCTURE PLANS

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B-03	GENERAL NOTES
B-04	PLAN AND ELEVATION
B-05	BRIDGE HYDRAULIC RECOMMENDATIONS
B-06	SECTION THROUGH BRIDGE
B-07	REPORT OF CORE BORINGS (1 OF 2)
B-08	REPORT OF CORE BORINGS (2 OF 2)
B-09	FOUNDATION LAYOUT
B-10	PILE DATA TABLE
B-11	END BENT 1 LAYOUT
B-12	END BENT 4 LAYOUT
B-13	END BENT DETAILS (1 OF 4)
B-14	END BENT DETAILS (2 OF 4)
B-15	END BENT DETAILS (3 OF 4)
B-16	END BENT DETAILS (4 OF 4)
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B-19	PILE BENT DETAILS (1 OF 2)
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B-21	FINISH GRADE ELEVATIONS (1 OF 2)
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B-23	TYPICAL SECTION
B-24	FRAMING PLAN (1 OF 3)
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B-33	SUPERSTRUCTURE DETAILS (4 OF 5)
B-34	SUPERSTRUCTURE DETAILS (5 OF 5)
B-35	APPROACH SLAB (1 OF 2)
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B-37	REINFORCING BAR LIST
B-38	LOAD RATING TABLE

FDOT STANDARD PLANS

INDEX NO.	INDEX DESCRIPTION
400-090	APPROACH SLAB (30 ft.) (FLEXIBLE PAVEMENT APPROACHES
415-001	BAR BENDING DETAILS (STEEL)
450-450	FLORIDA SLAB BEAM TYPICAL DETAILS AND NOTES
450-451	12" FLORIDA SLAB BEAM
455-001	SQUARE PRESTRESSED CONCRETE PILES - TYPICAL DETAILS AND NOTES
455-003	SQUARE PRESTRESSED CONCRETE PILES - EDC INSTRUMENTATION
455-024	24" SQUARE PRESTRESSED CONCRETE PILE
458-110	EXPANSION JOINT SYSTEM - POURED JOINT WITH BACKER ROD
515-021	PEDESTRIAN/BICYCLE BULLET RAILING FOR TRAFFIC RAILING
515-022	PEDESTRIAN/BICYCLE BULLET RAILING DETAILS
521-422	TRAFFIC RAILING - (42" VERTICAL SHAPE)
630-010	CONDUIT DETAILS - EMBEDDED

SHEET PILE WALL SHEETS

INDEX NO.	INDEX DESCRIPTION
BW-01	SHEET PILE BULKHEAD WALL - BENT 1
BW-02	SHEET PILE BULKHEAD WALL - BENT 4
BW-03	BULKHEAD WALL SECTIONS (1 OF 2)
BW-04	BULKHEAD WALL SECTIONS (2 OF 2)

GOVERNING STANDARDS & SPECIFICATIONS:
FLORIDA DEPARTMENT OF TRANSPORTATION,
STANDARD PLANS FOR ROAD AND BRIDGE
CONSTRUCTION, FY 2023-24,AND STANDARD
SPECIFICATIONS FOR ROAD AND BRIDGE
CONSTRUCTION DATED JANUARY 2024,
AS AMENDED BY CONTRACT DOCUMENTS.

PLANS PREPARED BY:

Kimley»Horn

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CONSULTING ENGINEERS AND PLANNERS
1920 WEKIVA WAY, SUITE 200
WEST PALM BEACH, FL 33411
(561) 845-0665

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

STRUCTURE PLANS ENGINEER OF RECORD: Jamea Potter Long

P.E. NO.: 58677

FISCAL YEAR	SHEET NO.
	B-01

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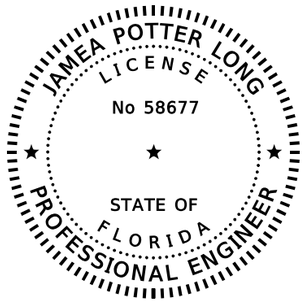

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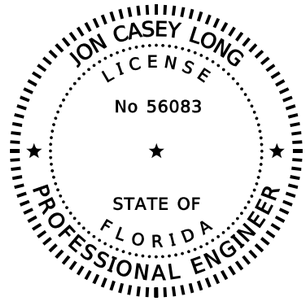
PALM BEACH GARDENS, FLORIDA 33410
REGISTRY No. 35106

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

SHEET NO.	SHEET DESCRIPTION
B-01	KEY SHEET
B-02	SIGNATURE SHEET
B-03	GENERAL NOTES
B-04	PLAN AND ELEVATION
B-06	SECTION THROUGH BRIDGE
B-09	FOUNDATION LAYOUT
B-10	PILE DATA TABLE
B-11	END BENT 1 LAYOUT
B-12	END BENT 4 LAYOUT
B-13	END BENT DETAILS (1 OF 4)
B-13A	END BENT DETAILS (2 OF 4)
B-13B	END BENT DETAILS (3 OF 4)
B-14	END BENT DETAILS (4 OF 4)
B-15	PILE BENT 2 LAYOUT
B-16	PILE BENT 3 LAYOUT
B-17	PILE BENT DETAILS (1 OF 2)
B-18	PILE BENT DETAILS (2 OF 2)
B-19	FINISH GRADE ELEVATIONS (1 OF 2)
B-20	FINISH GRADE ELEVATIONS (2 OF 2)
B-21	TYPICAL SECTION
B-22	FRAMING PLAN (1 OF 3)
B-23	FRAMING PLAN (2 OF 3)
B-24	FRAMING PLAN (3 OF 3)
B-25	SUPERSTRUCTURE PLAN (1 OF 3)
B-26	SUPERSTRUCTURE PLAN (2 OF 3)
B-27	SUPERSTRUCTURE PLAN (3 OF 3)
B-28	SUPERSTRUCTURE DETAILS (1 OF 5)
B-29	SUPERSTRUCTURE DETAILS (2 OF 5)
B-30	SUPERSTRUCTURE DETAILS (3 OF 5)
B-31	SUPERSTRUCTURE DETAILS (4 OF 5)
B-32	SUPERSTRUCTURE DETAILS (5 OF 5)
B-33	APPROACH SLAB (1 OF 2)
B-34	APPROACH SLAB (2 OF 2)
B-35	REINFORCING BAR LIST
B-36	LOAD RATING TABLE



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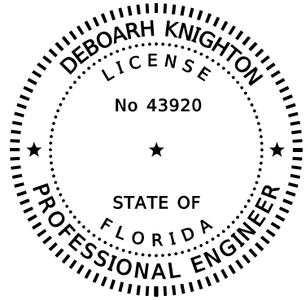
INDEX NO.	INDEX DESCRIPTION
B-02	SIGNATURE SHEET
BW-01	SHEET PILE BULKHEAD WALL - BENT 1
BW-02	SHEET PILE BULKHEAD WALL - BENT 4
BW-03	BULKHEAD WALL SECTIONS (1 OF 2)
BW-04	BULKHEAD WALL SECTIONS (2 OF 2)



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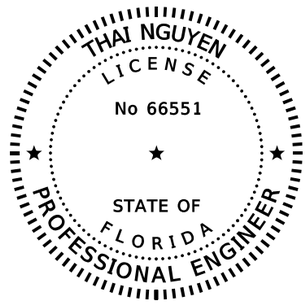
INDEX NO.	INDEX DESCRIPTION
B-02	SIGNATURE SHEET
B-05	BRIDGE HYDRAULIC RECOMMENDATIONS



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INDEX NO.	INDEX DESCRIPTION
B-02	SIGNATURE SHEET
B-07	REPORT OF CORE BORINGS (1 OF 2)
B-08	REPORT OF CORE BORINGS (2 OF 2)

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FISCAL YEAR	SHEET NO.
2025	B-02

GENERAL NOTES

A. Design Specifications:
1. FDOT Structures Manual Dated January 2024.
2. American Association of State Highway and Transportation Officials (AASHTO) Load and Resistance Factor (LRFD) Bridge Design Specifications, (9th Edition).
3. FDOT Design Manual dated January 2024.

B. Governing Standards and Construction Specifications:
Florida Department of Transportation, FY 2023-24 Standard Plans and revised Index Drawings as appended herein, and Standard Specifications for Road and Bridge Construction, as amended in the Contract Documents.

C. Vertical Datum:
Vertical Datum = NAVD 88

D. Environmental Classifications:
Superstructure: Slightly Aggressive
Substructure: Extremely Aggressive (Resistivity = 25 Ohm-cm)

E. Design Methodology:
1. Load and Resistance Factor Design (LRFD) method using strength, service, and fatigue limit states.
2. Redundancy Factors: Concrete Substructure ηR=1.00
3. Operational Importance Factor: Concrete Superstructures and Substructures ηI=1.00

F. Structural Analysis Program:
Leap Bridge Concrete CE V20
FDOT Prestressed Beam V6.2

G. Design Loads:
1. Live Loads: HL-93 with Dynamic Load Allowance
2. Dead Loads:

42" Vertical Shape Traffic Railing:	590 plf
Aluminum Bullet Railing	10 plf
Cultured Stone	15 psf
Reinforced Concrete:	150 pcf

Design does not include an allowance of 15 psf for future wearing surface.

The bridge utilizes an 6½" deck thickness which includes one-half inch sacrificial thickness included in the dead load of the deck but omitted from the section properties used for design.

3. Construction Loads:
Finishing Machine Load: xx.x kips
Finishing Machine Wheel Location beyond the edge of deck overhang: 6 inches
Construction Live Load: 20 psf extended over the entire bridge width and 50-feet. in logitudinal length centered on the finishing machine.
Removal Deck Cantilever Timber Forms with Overhang Brackets: 15 psf
Live load at or near the outside of deck during deck casting: 75 plf applied as a moving load over a length of 20 feet.
Construction Inactive Design Wind Speed: 90 MPH
Velocity Pressure Exposure Coefficient (k_z): x.xx
Construction Active Design Wind Speed: 30 MPH

4. Utilities:
No allowance for utility loads has been included in the design.

H. Materials:
1. Reinforcing Steel: Grade 60 carbon steel per Specifications Section 931.
2. Concrete:

Concrete Class	Min. 28 Day Compressive Strength	Location of Concrete in Structure
II	3400 psi	Traffic Railings, Sheet Pile Wall Coping Caps
II	4500 psi	Approach Slabs
II	4500 psi	C.I.P. Concrete Topping with shrinkage reducing admixture
IV	5500 psi	End Bents, Pile Bents, Retaining Walls, and Sheet Pile Wall Caps
VI	8500 psi	FSB Beams
V	6500 psi	Prestressed Concrete Piles

3. Concrete Cover:

Cast-In-Place Superstructure (Top of Deck)	2½"
Cast-In-Place Superstructure (Except Top of Deck)	2"
Precast Prestressed Beams (Except Top Surface)	2"
Top Surface ofBeam Top Flange	¾"
Cast-In-Place Substructure (Cast Against Earth)	4½"
Cast-In-Place Substructure (Formed Surfaces)	4"
Retaining Walls	3"

Concrete cover dimensions shown in the plans do not include placement and fabrication tolerances unless shown as "minimum cover". See Specifications Section 415 for allowable tolerances. All dimensions pertaining to the location of reinforcing steel are to centerline of bar except where clear dimension is noted to the face of concrete.

I. Concrete Surface Finish:
Class 5 Finish Coating is not required on this project.

J. Plan Dimensions:
All dimensions in these plans are measured in feet either horizontally or vertically unless otherwise noted.

K. Utilities:
For plan locations of existing utilities, see Plan and Elevation and Foundation Layout sheets. Locations of utilities shown in the plans are approximate. For disposition of utilities, see Utility Adjustment Sheets in the roadway plans.

L. Bridge Name and Number:
Place the following bridge name and number on the traffic railing in accordance with the Traffic Railing Standard Plans:

SE 6TH TERRACE BRIDGE BR. NO. XXXXXX

M. Screeding Decks:
Screed the riding surface of the Bridge Deck and Approach Slabs to archive the Finish Grade Elevations shown in the plans. Account for theoretical deflections due to self weight, deck casting sequence, deck forming systems, construction loads, overlays and temporary shoring, etc. as required.

N. Stay-In-Place Forms:
Stay in place deck forms will not be permitted on this project.

O. Joints in Concrete:
Construction joints will be permitted only at the locations indicated in the plans. Additional construction joints or alterations to those shown shall require approval of the Engineer.

P. C-I-P Topping: Thoroughly saturate the top surface of the FSBs with water in accordance with Specification 400 for 12 hours immediately prior to placing the C-I-P topping. Remove standing water prior to placing the C-I-P topping. Cure the C-I-P topping in accordance with the Specification 400 requirements for bridge decks.

Q. Perform vibration monitoring per FDOT Standard Specifications 108.

Abbreviations:

EF	= Each Face
FF	= Far Face
NF	= Near Face
FFBW	= Front Face of Backwall
PGL	= Profile Grade Line
EOR	= Engineer of Record
EJ	= Expansion Joint
U.O.N.	= Unless otherwise Noted
PEJM	= Premolded Expansion Joint Material
Btwn	= Between

Note: For additional standard abbreviations and symbols see FDOT Design Standard Plans, Index "Abbreviations Sheet"

BRIDGE NO. XXXXXX

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REVISIONS

Date	By	Description	Date	By	Description
07-22-25	DAM	⚠ Retaining wall note addition.			

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Jamea Potter Long, P.E.
P.E. License No. 58677
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Palm Beach Gardens, Florida 33410

Drawn By: RCA 03-24
Checked by: JPL 03-24
Designed by: DAM 03-24
Checked by: JPL 03-24

THE CITY OF POMPANO BEACH

ROAD NO.	COUNTY
SE 6TH TERRACE	BROWARD

SHEET TITLE: GENERAL NOTES
REF. DWG. NO.
PROJECT NAME: SE 6TH TERRACE BRIDGE REPLACEMENT
SHEET NO. B-03

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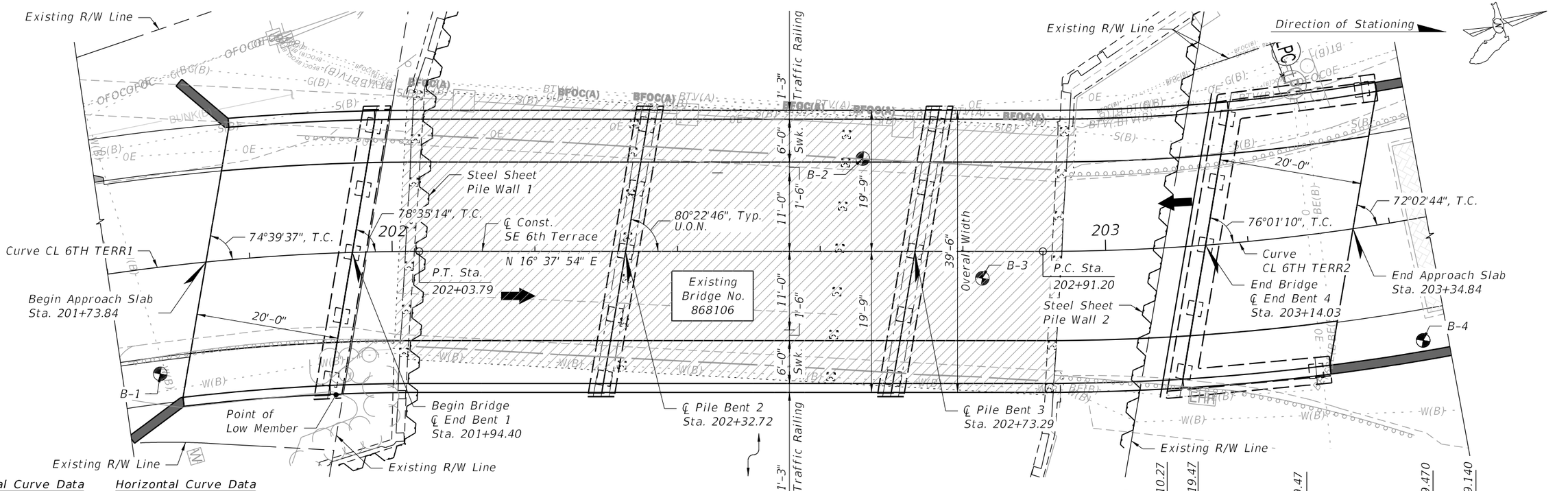
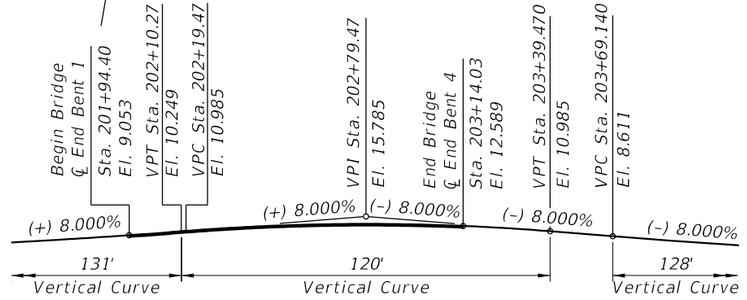


PLAN



Horizontal Curve Data

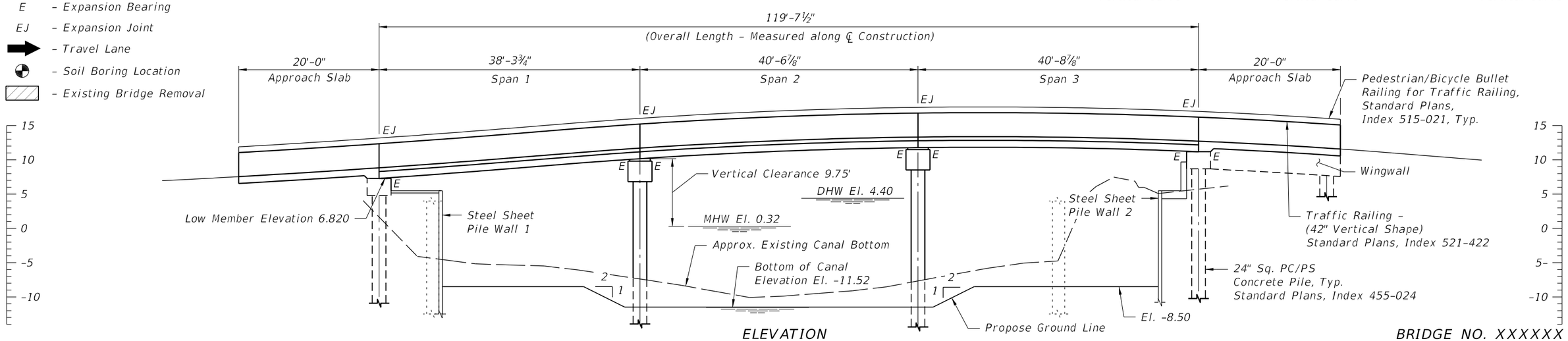
Curve – CL 6TH TERR1
P.I. Sta. 201+55.21
Δ = 18° 43' 30" Rt.
D = 19° 05' 55"
T = 49.96'
L = 98.04'
R = 300.00'
PC = 201+05.74
PT = 202+03.79

Horizontal Curve Data

Curve – CL 6TH TERR2
P.I. Sta. 203+40.70
Δ = 18° 44' 24" Lt.
D = 19° 05' 55"
T = 49.50'
L = 98.12
R = 300.00'
PC = 202+91.20
PT = 203+89.32

Legend

E – Expansion Bearing
EJ – Expansion Joint
– Travel Lane
– Soil Boring Location
– Existing Bridge Removal



ELEVATION

BRIDGE NO. XXXXXX

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Designed by: DAM 03-24
Checked by: JPL 03-24

THE CITY OF POMPANO BEACH

ROAD NO.	COUNTY
SE 6TH TERRACE	BROWARD

SHEET TITLE: PLAN AND ELEVATION

REF. DWG. NO.

PROJECT NAME: SE 6TH TERRACE BRIDGE REPLACEMENT

SHEET NO. B-04

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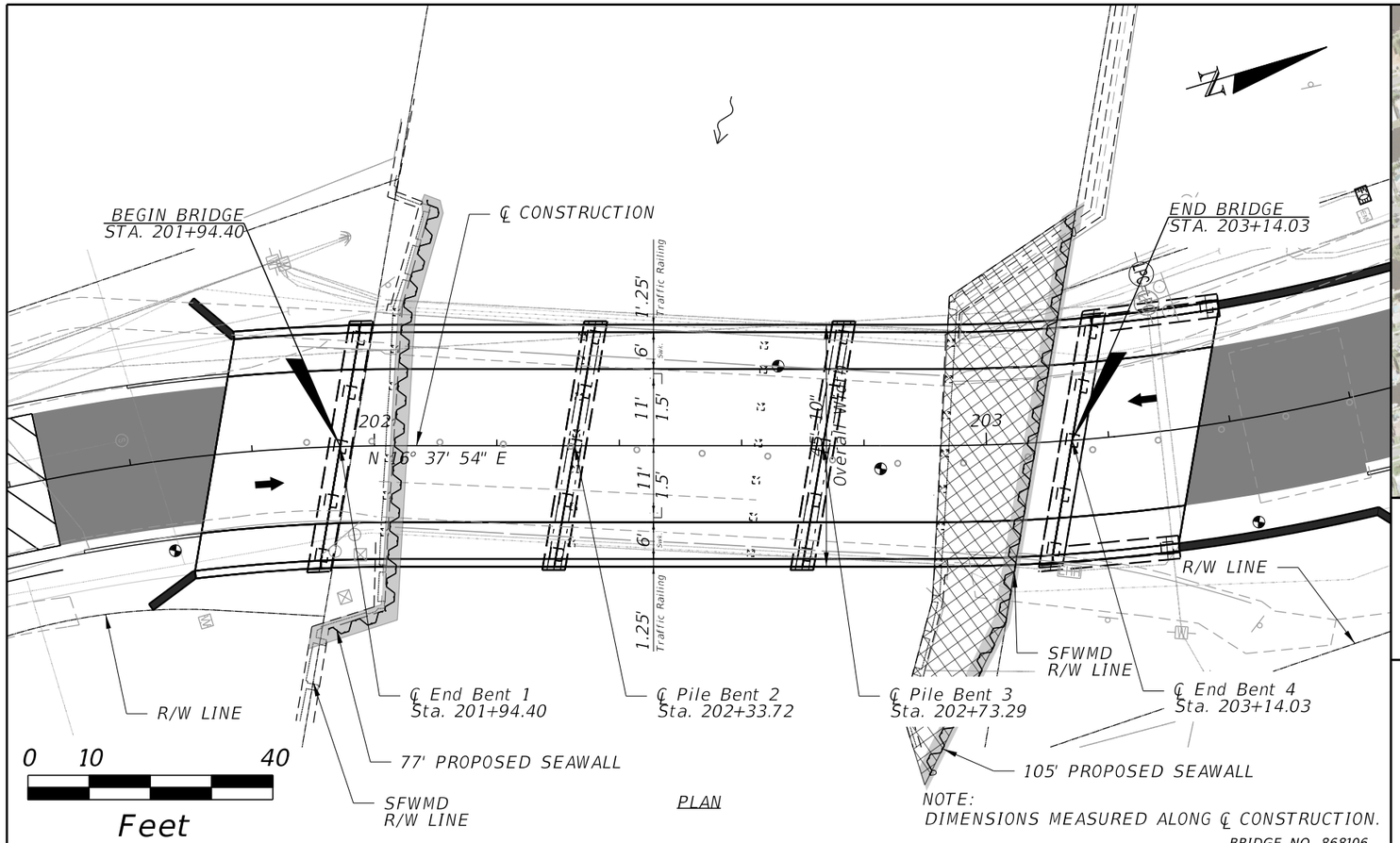
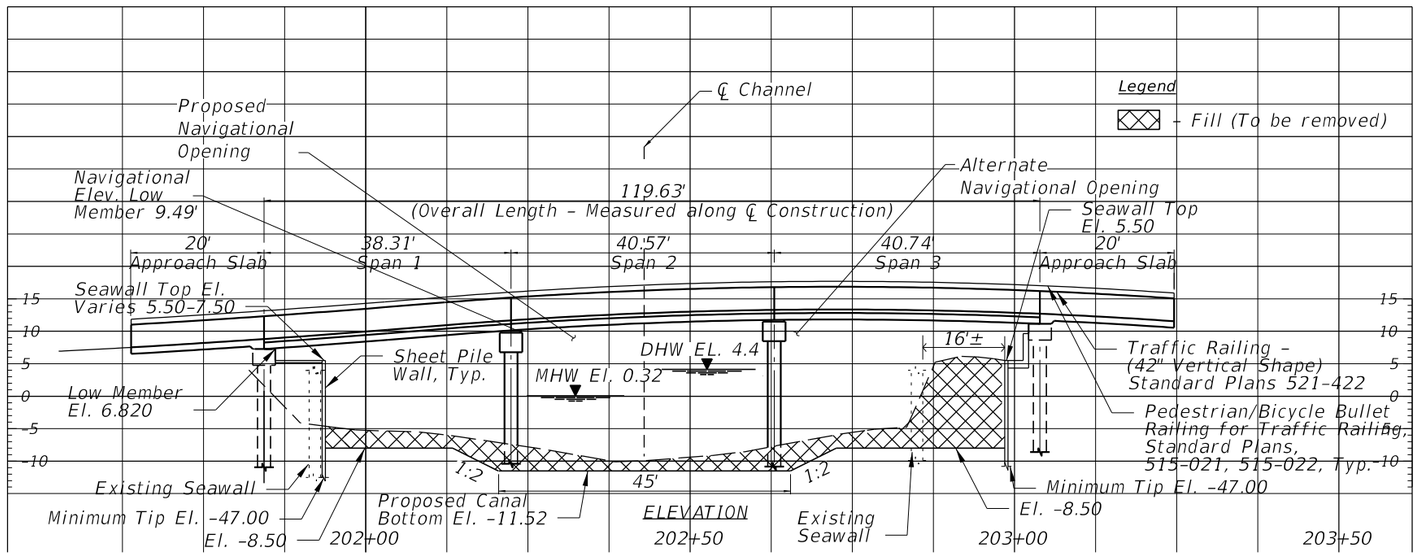


PLAN

NOTE:
DIMENSIONS MEASURED ALONG ℄ CONSTRUCTION.

BRIDGE NO. 868106



ELEVATION

(REFERENCE)	EXISTING STRUCTURES (1)	(2)	(3)	(4)	PROPOSED STRUCTURE
FOUNDATION	CONCRETE PILES				CONCRETE PILES
OVERALL LENGTH	91'				101'-55"
SPAN LENGTH	2 @ 20'				4 @ 40'
TYPE CONSTRUCTION	CONCRETE				CONCRETE
AREA OF OPENING @ D.F.	1097 SQ. FT.				938 SQ.FT.
BRIDGE WIDTH	32'-0"				40'-2"
ELEV. LOW MEMBER	9.14'**				9.49'**

HYDRAULIC DESIGN DATA

NOTE:
The hydraulic data is shown for informational purposes only to indicate the flood discharges and water surface elevations which may be anticipated in any given year. This data was generated using highly variable factors determined by a study of the watershed. Many judgements and assumptions are required to establish these factors. The resultant hydraulic data is sensitive to changes, particularly antecedent conditions, urbanization, channelization and land use. Users of this data are cautioned against the assumption of precision which cannot be obtained.

TERMS:
Design Flood: Utilized to assure a desired level of hydraulic performance.
Base Flood: Has a 1% chance of being exceeded in any given year (100 year frequency)
Overtopping Flood: Causes flow over the highway, over a watershed divide, or thru emergency relief structures.
Greatest Flood: The most severe that can be predicted where overtopping is not practicable.

WATER SURFACE ELEVATIONS: N.H.W. (Non-Tidal) N/A; M.H.W. (Tidal) 0.32 NAVD
CONTROL (Non-Tidal) N/A; M.L.W. (Tidal) -2.00

FLOOD DATA:	MAX. EVENT OF RECORD	DESIGN FLOOD	BASE FLOOD	☐ OVERTOPPING or ☒ GREATEST FLOOD
STAGE ELEV. NAVD (ft)	UNKNOWN	+4.4	+4.6	+5.1
DISCHARGE (cfs)	N/A	1045	1122	1348
AVERAGE VELOCITY (f/s)	N/A	0.80	0.85	0.98
EXCEEDANCE PROB. (%)	N/A	2	1	0.1
FREQUENCY (yr.)	N/A	50	100	500

SCOUR PREDICTIONS FOR PROPOSED STRUCTURE DESCRIBED ABOVE:

PIER INFORMATION NUMBERS	SIZE AND TYPE	TOTAL SCOUR ELEVATION LONG TERM SCOUR ELEV.	WORST CASE < 100 yr. FREQ. (yr.) 100	WORST CASE < 500 yr. FREQ. (yr.) 100
1-2	24" SQ. PCP	-13.0	-15.5	-15.5

HYDRAULIC RECOMMENDATIONS

1. BEGIN BRIDGE STATION 201+94.40 END BRIDGE STATION 203+14.03 SKEW ANGLE 0
2. CLEARANCE PROVIDED: NAV: HORIZ. 37.07' VERT. 9.75' ABOVE EL. 0.32 DRIFT: HORIZ. 24.4' VERT. 2.4' ABOVE EL. +4.4
3. MINIMUM CLEARANCE: NAV: HORIZ. 25' VERT. 6' ABOVE EL. 0.32 DRIFT: HORIZ. 10' VERT. 2' ABOVE EL. +4.4
4. ABUTMENTS:

	BEGIN BRIDGE	END BRIDGE
RUBBLE GRADE:	BANK AND SHORE	N/A
SLOPE:	VARIES, 1:2 MAX	N/A
BURIED OR NON-BURIED HORIZ. TOE:	NON-BURIED	N/A
TOE HORIZ. DISTANCE:		
LIMIT OF PROTECTION:		

5. DECK DRAINAGE: CURB TO INLETS OFF OF BRIDGE

REMARKS: 2.00 NAVD IS THE PROJECTED SEA LEVEL RISE ELEVATION.
ALL ELEVATIONS ARE MEASURED IN DATUM NAVD 88.

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
1920 WEKIVA WAY SUITE 200, WEST PALM BEACH, FL 33411
PHONE: 561-845-0665 FAX: 561-863-8175
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

KHA PROJECT 040985062
DATE JULY 2025
SCALE AS SHOWN
DESIGNED BY DLK
DRAWN BY DAM
CHECKED BY DLK

S.E. 6TH TERRACE BRIDGE REPLACEMENT

PREPARED FOR
CITY OF POMPANO BEACH
CITY OF POMPANO FLORIDA

LICENSED PROFESSIONAL
DEBORAH LYNN KNIGHTON
FLORIDA LICENSE NUMBER
43920
DATE:

BRIDGE HYDRAULIC RECOMMENDATIONS

SHEET NUMBER
B-05

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$TIMES
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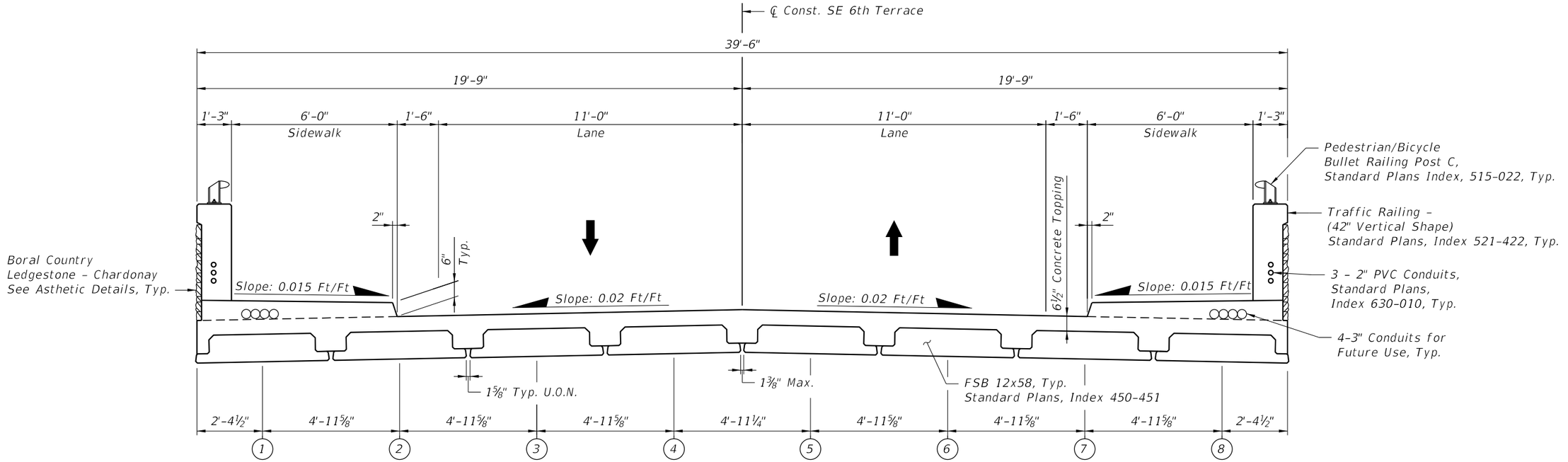
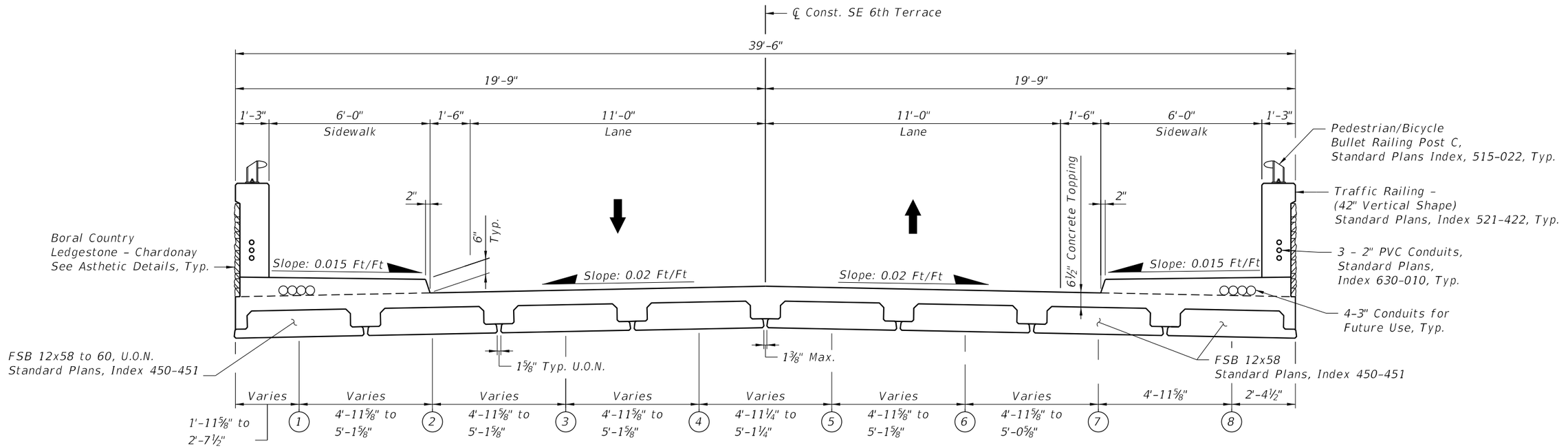


TYPICAL SECTION THRU BRIDGE (SPAN 1 & 2)



TYPICAL SECTION THRU BRIDGE (SPAN 3)

BRIDGE NO. XXXXXX

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REVISIONS					
Date	By	Description	Date	By	Description

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Checked by:	JPL 03-24
Designed by:	DAM 03-24
Checked by:	JPL 03-24

THE CITY OF POMPANO BEACH

ROAD NO.	COUNTY
SE 6TH TERRACE	BROWARD

SHEET TITLE: SECTION THROUGH BRIDGE

REF. DWG. NO.:

PROJECT NAME: SE 6TH TERRACE BRIDGE REPLACEMENT

SHEET NO.: B-06

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BORING LOCATION PLAN

LEGEND

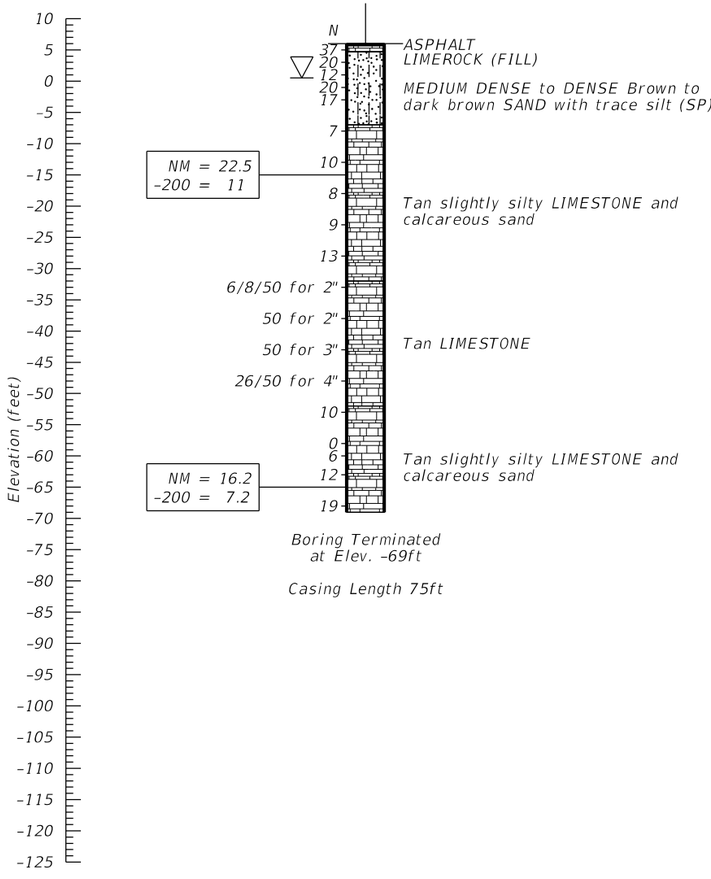
- Water
- Limestone Soft
- Silty Sand
- Sand
- Asphalt

▽ = Groundwater Table

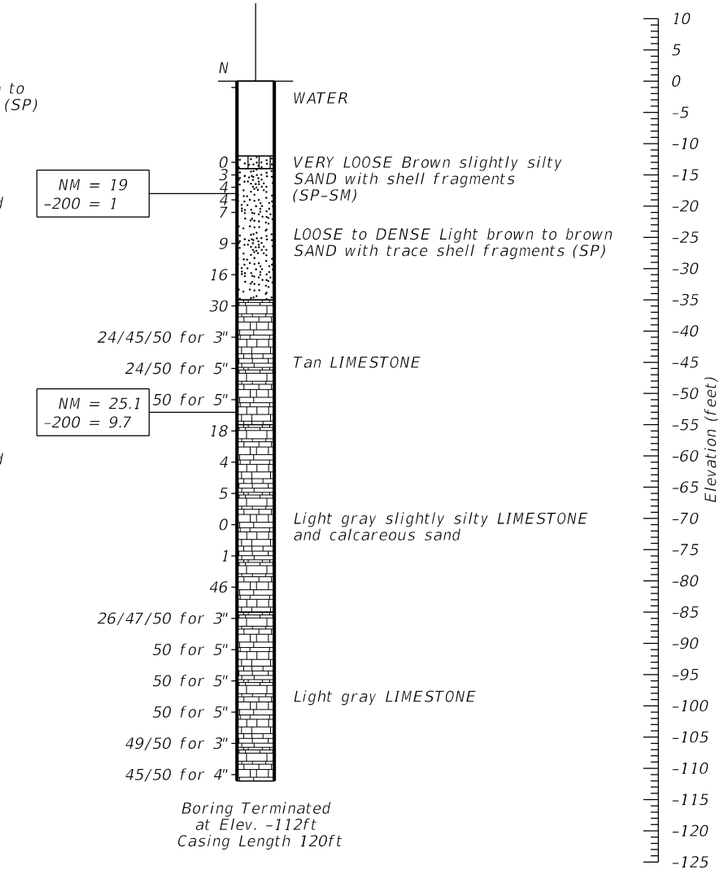
▯ = Casing used

NM = % Natural Moisture Content
-200 = % Passing -200 Sieve
LL = % Liquid Limit
PI = % Plasticity Index
ORG = % Organic Content

BOR # B-1
ELEV. 6'
DATE 11/26/2020
DRILLER TC
HAMMER AUTOMATIC
RIG CME-55
Coords. 26°13'35.12"N 80° 6'45.17"W



BOR # B-2
ELEV. -12'
DATE 11/24/2020
DRILLER TC
HAMMER AUTOMATIC
RIG CME-75
Coords. 26°13'36.14"N 80° 6'45.03"W



GENERAL NOTES

DRILL AND PENETRATION TESTING WERE PERFORMED IN ACCORDANCE WITH ASTM D 1586. NUMBER TO THE LEFT OF BORING INDICATES BLOWS OF 1⅜" I.D., 2" O.D. SPLIT-SPOON FOR 12" PENETRATION (UNLESS OTHERWISE NOTED) WITH A 140 LB HAMMER DROPPED 30 INCHES.

THE BORING LOGS SHOWN REPRESENT SUBSURFACE CONDITIONS WITHIN THE BOREHOLE AT THE TIME OF DRILLING. NO WARRANTY AS TO THE SUBSURFACE CONDITION, STRATA DEPTH OR SOIL CONSISTENCY BETWEEN OR OUTSIDE BORING LOCATIONS IS EXPRESSED OR IMPLIED BY THIS DRAWING.

GRANULAR MATERIALS-

Relative Density	Safety Hammer SPT N-Value (Blow/Foot)	Automatic Hammer SPT N-Value (Blow/Foot)
Very Loose	Less than 4	Less than 3
Loose	4 - 10	3 - 8
Medium Dense	10 - 30	8 - 24
Dense	30 - 50	24 - 40
Very Dense	Greater than 50	Greater than 40

SILTS AND CLAYS-

Consistency	Safety Hammer SPT N-Value (Blow/Foot)	Automatic Hammer SPT N-Value (Blow/Foot)
Very Soft	Less than 2	Less than 1
Soft	2 - 4	1 - 3
Firm	4 - 8	3 - 6
Stiff	8 - 15	6 - 12
Very Stiff	15 - 30	12 - 24
Hard	Greater than 30	Greater than 24

DRAWN BY: | DATE: | DESIGNED BY: | SCALE: | CHECKED BY: | FIELD BOOK:

CITY OF POMPANO BEACH
1201 NE 5TH AVENUE,
POMPANO BEACH, FL 33060

REVISIONS

NO.	DATE	BY	CHK'D	DESCRIPTION

S.E. 6 th Street Bridge Replacement
REPORT OF CORE BORINGS
(1 OF 2)

SHEET NO. B-07 | OF
TOTAL:
CAD FILE:
DRAWING FILE NO.

BORING LOCATION PLAN

LEGEND

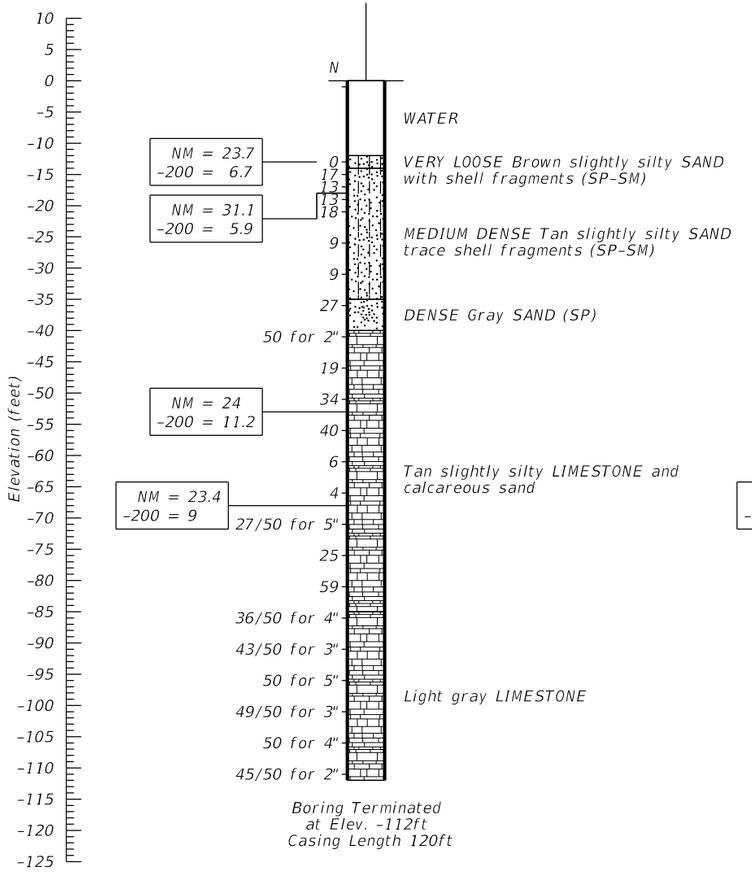
- Water
- Silty Sand
- Sand
- Limestone Soft
- Limerock (Fill material)
- Asphalt

▽ = Groundwater Table

▯ = Casing used

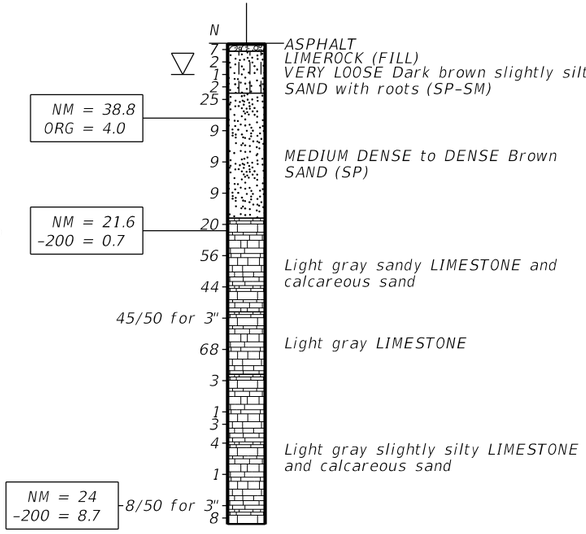
NM = % Natural Moisture Content
-200 = % Passing -200 Sieve
LL = % Liquid Limit
PI = % Plasticity Index
ORG = % Organic Content

BOR # B-3
ELEV. -12
DATE 11/25/2020
DRILLER TC
HAMMER AUTOMATIC
RIG CME-75
Coords. 26°13'36.25"N 80° 6'44.80"W



Boring Terminated
at Elev. -112ft
Casing Length 120ft

BOR # B-4
ELEV. 6
DATE 11/23/2020
DRILLER TC
HAMMER AUTOMATIC
RIG CME-75
Coords. 26°13'36.81"N 80° 6'44.51"W



Boring Terminated
at Elev. -71ft

Casing Length 77ft

GENERAL NOTES

DRILL AND PENETRATION TESTING WERE PERFORMED IN ACCORDANCE WITH ASTM D 1586. NUMBER TO THE LEFT OF BORING INDICATES BLOWS OF 1⅜" I.D., 2" O.D. SPLIT-SPOON FOR 12" PENETRATION (UNLESS OTHERWISE NOTED) WITH A 140 LB HAMMER DROPPED 30 INCHES.

THE BORING LOGS SHOWN REPRESENT SUBSURFACE CONDITIONS WITHIN THE BOREHOLE AT THE TIME OF DRILLING. NO WARRANTY AS TO THE SUBSURFACE CONDITION, STRATA DEPTH OR SOIL CONSISTENCY BETWEEN OR OUTSIDE BORING LOCATIONS IS EXPRESSED OR IMPLIED BY THIS DRAWING.

GRANULAR MATERIALS-

Relative Density	Safety Hammer SPT N-Value (Blow/Foot)	Automatic Hammer SPT N-Value (Blow/Foot)
Very Loose	Less than 4	Less than 3
Loose	4 - 10	3 - 8
Medium Dense	10 - 30	8 - 24
Dense	30 - 50	24 - 40
Very Dense	Greater than 50	Greater than 40

SILTS AND CLAYS-

Consistency	Safety Hammer SPT N-Value (Blow/Foot)	Automatic Hammer SPT N-Value (Blow/Foot)
Very Soft	Less than 2	Less than 1
Soft	2 - 4	1 - 3
Firm	4 - 8	3 - 6
Stiff	8 - 15	6 - 12
Very Stiff	15 - 30	12 - 24
Hard	Greater than 30	Greater than 24

DRAWN BY: | DATE: | DESIGNED BY: | SCALE: | CHECKED BY: | FIELD BOOK:

CITY OF POMPANO BEACH
1201 NE 5TH AVENUE,
POMPANO BEACH, FL 33060

REVISIONS

NO.	DATE	BY	CHK'D	DESCRIPTION

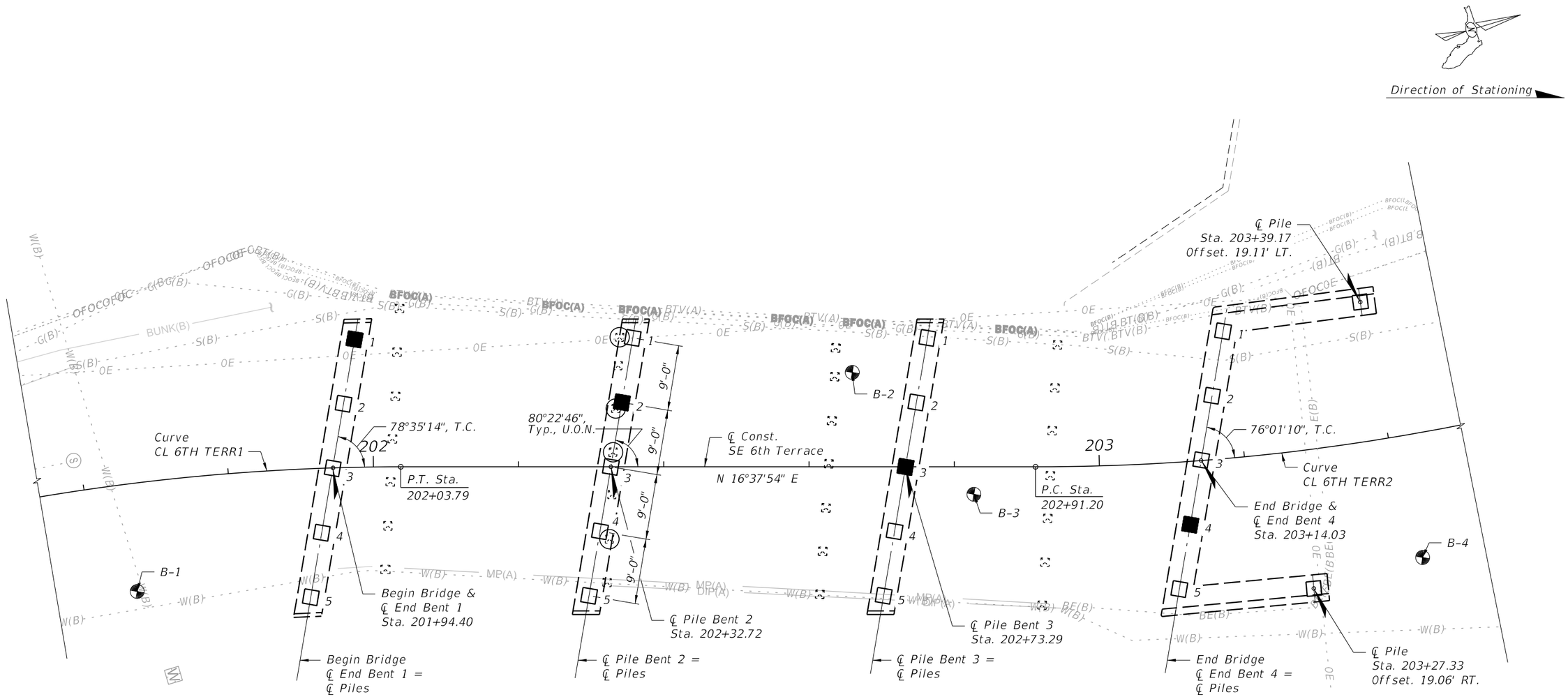
S.E. 6 th Street Bridge Replacement
REPORT OF CORE BORINGS
(2 OF 2)

SHEET NO. B-08 | OF

TOTAL:

CAD FILE:

DRAWING FILE NO.



PLAN

Legend

- – Indicates Soil Boring
- – Indicates 24" Piles
- – Indicates Test Pile
- – Indicates Existing 14" Pile to be cut off per Specification
- – Indicates Existing 14" Piles to be extracted

Notes:
1. For Horizontal Curve information, refer to Plan and Elevation sheet.

BRIDGE NO. XXXXXX

REVISIONS					
Date	By	Description	Date	By	Description
07-22-25	DAM	1 Addition of wingwall piles.			

Kimley»Horn
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Designed by: DAM 03-24
Checked by: JPL 03-24

THE CITY OF POMPANO BEACH

ROAD NO.	COUNTY
SE 6TH TERRACE	BROWARD

SHEET TITLE: FOUNDATION LAYOUT

REF. DWG. NO.

PROJECT NAME: SE 6TH TERRACE BRIDGE REPLACEMENT

SHEET NO. B-09

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PILE DATA TABLE

INSTALLATION CRITERIA								DESIGN CRITERIA							
PIER or BENT NUMBER	PILE SIZE (in.)	NOMINAL BEARING RESISTANCE (tons)	NOMINAL UPLIFT RESISTANCE (tons)	MINIMUM TIP ELEVATION (ft.)	TEST PILE LENGTH (ft.)	REQUIRED JET ELEVATION (ft.)	REQUIRED PREFORM ELEVATION (ft.)	FACTORED DESIGN LOAD (tons)	FACTORED DESIGN UPLIFT LOAD (tons)	DOWN DRAG (tons)	TOTAL SCOUR RESISTANCE (tons)	NET SCOUR RESISTANCE (tons)	100-YEAR SCOUR ELEVATION (ft.)	Ø COMPRESSION	Ø UPLIFT
1	24	165	N/A	-14	43	N/A	N/A	107	N/A	N/A	N/A	N/A	N/A	0.65	N/A
2	24	242	N/A	-37	58	N/A	N/A	148	N/A	N/A	9	9	-15.5	0.65	N/A
3	24	247	N/A	-37	86	N/A	N/A	151	N/A	N/A	9	9	-15.5	0.65	N/A
4	24	171	N/A	-14	47	N/A	N/A	111	N/A	N/A	N/A	N/A	N/A	0.65	N/A

$$\frac{\text{Factored Design Load + Net Scour Resistance + Down Drag}}{Ø} \leq \text{Nominal Bearing Resistance}$$

UPLIFT RESISTANCE – The ultimate side friction capacity that must be obtained below the 100 year scour elevation to resist pullout of the pile (Specify only when design requires uplift capacity).

TOTAL SCOUR RESISTANCE – An estimate of the ultimate static side friction resistance provided by the scourable soil.

NET SCOUR RESISTANCE – An estimate of the ultimate static side friction resistance provided by the soil from the required preformed or jetting elevation to the scour elevation.

100-YEAR SCOUR ELEVATION – Estimated elevation of scour due to the 100 year storm event.

PILE INSTALLATION NOTES:

1. Contractor to verify location of all utilities prior to any pile installation activities.
2. Minimum Tip Elevation is required for lateral stability.
3. No jetting will be allowed without the approval of the Engineer.
4. The Contractor should not anticipate being allowed to jet piles below the 100-year scour elevation or required jet elevation, whichever is deeper.
5. For pile groups, pile driving is to commence at the center of the group and proceed outward.
6. When using embedded gauges for dynamic testing, tip gauges are required in 10% of the piles, minimum 1 per bent or pile footing.
7. For pile cut-off elevations, see "End Bent Layout" and "Pile Bent Layout" sheets.

BRIDGE NO. XXXXXX

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REVISIONS

Date	By	Description	Date	By	Description

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THE CITY OF POMPANO BEACH

ROAD NO.	COUNTY
SE 6TH TERRACE	BROWARD

SHEET TITLE: PILE DATA TABLE

REF. DWG. NO.

PROJECT NAME: SE 6TH TERRACE BRIDGE REPLACEMENT

SHEET NO. B-10

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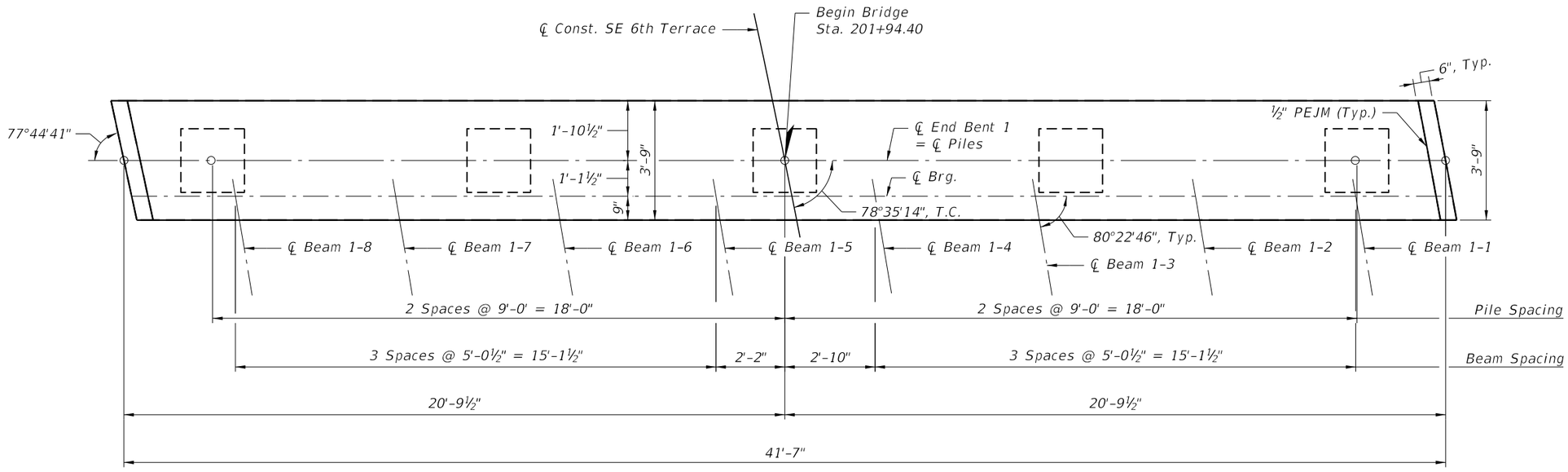
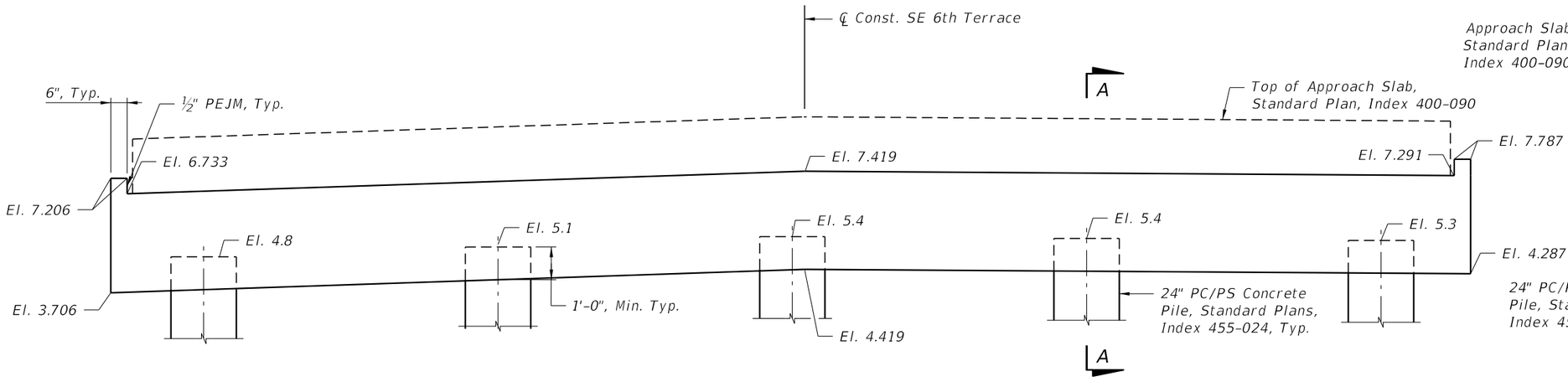


PLAN



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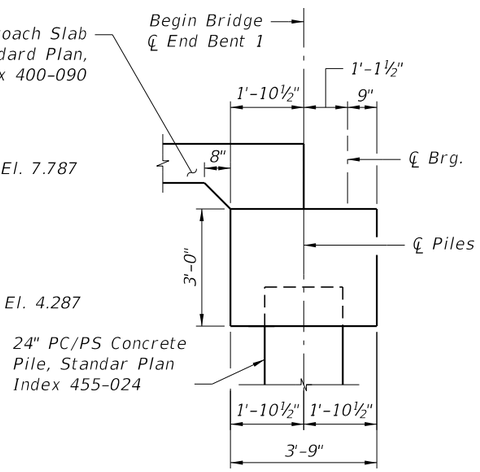

SECTION A-A

BRIDGE NO. XXXXXX

REVISIONS

Date	By	Description	Date	By	Description

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THE CITY OF POMPANO BEACH

ROAD NO.	COUNTY
SE 6TH TERRACE	BROWARD

SHEET TITLE: END BENT 1 LAYOUT

REF. DWG. NO.:

PROJECT NAME: SE 6TH TERRACE BRIDGE REPLACEMENT

SHEET NO.: B-11

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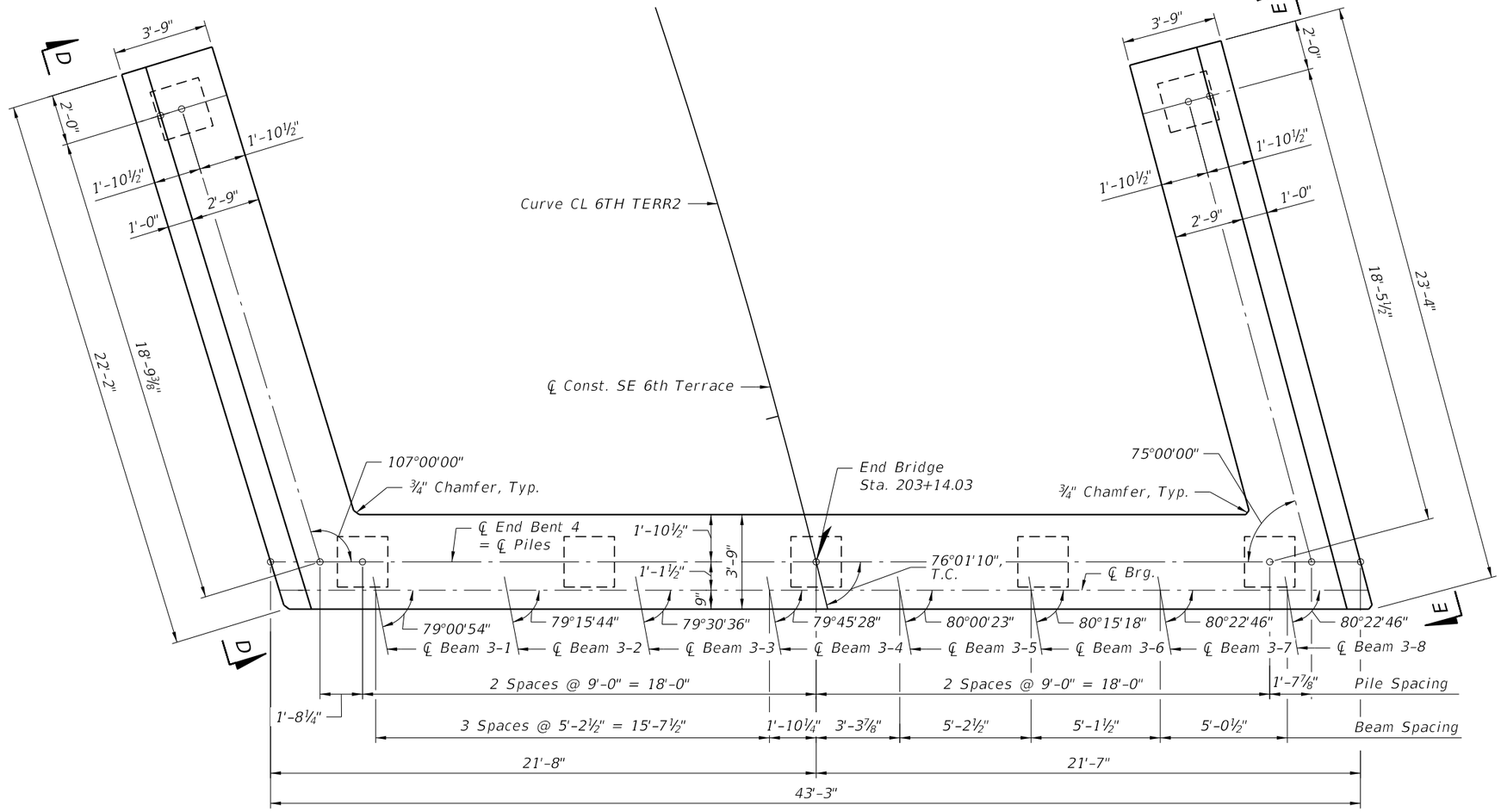
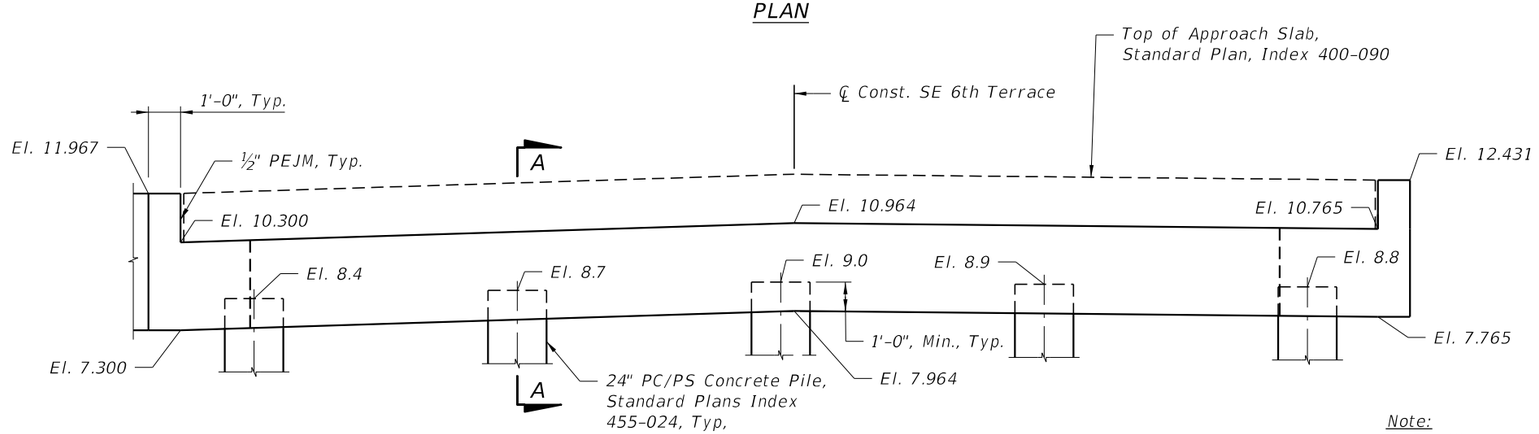


PLAN



ELEVATION

SECTION A-A

Note:
1. For Wingwall Elevations, Views D-D & E-E, See "End Bent Details (3 of 4)"

BRIDGE NO. XXXXXX

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REVISIONS					
Date	By	Description	Date	By	Description

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THE CITY OF POMPANO BEACH

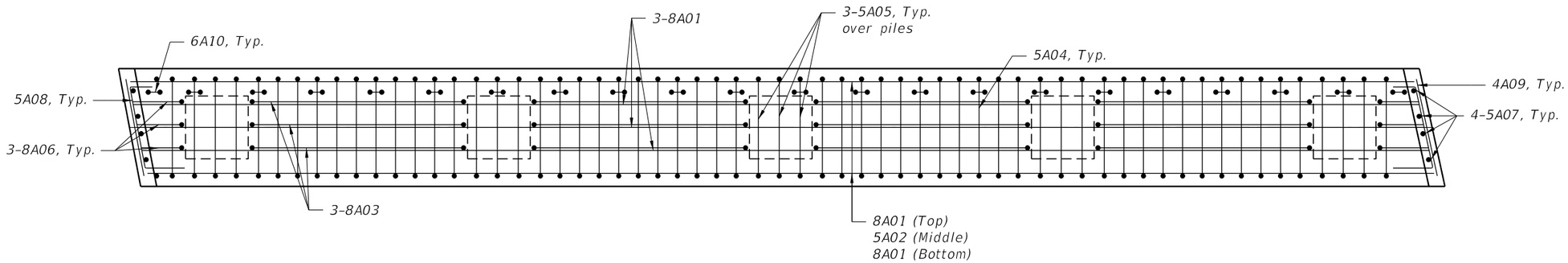
ROAD NO.	COUNTY
SE 6TH TERRACE	BROWARD

SHEET TITLE: END BENT 4 LAYOUT

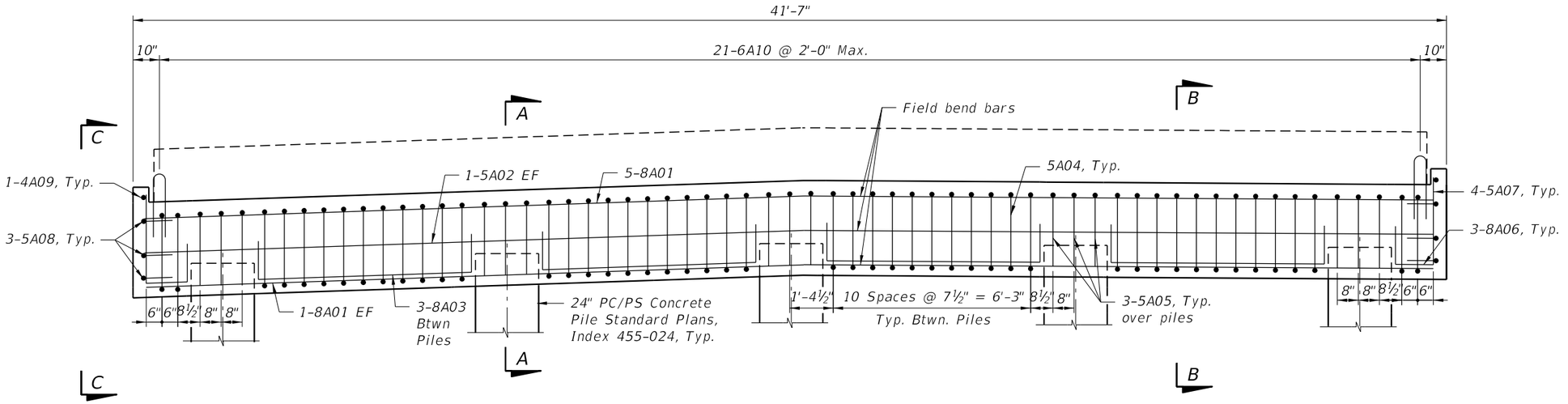
REF. DWG. NO.

PROJECT NAME: SE 6TH TERRACE BRIDGE REPLACEMENT

SHEET NO. B-12



PLAN - END BENT 1



ELEVATION - END BENT 1

Note:

1. For sections A-A, B-B and view C-C see "End Bent Details (4 of 4)".

BRIDGE NO. XXXXXX

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REVISIONS					
Date	By	Description	Date	By	Description

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Checked by: JPL 03-24

THE CITY OF POMPANO BEACH

ROAD NO.	COUNTY
SE 6TH TERRACE	BROWARD

SHEET TITLE: END BENT DETAILS (1 OF 4)

REF. DWG. NO.

PROJECT NAME: SE 6TH TERRACE BRIDGE REPLACEMENT

SHEET NO. B-13

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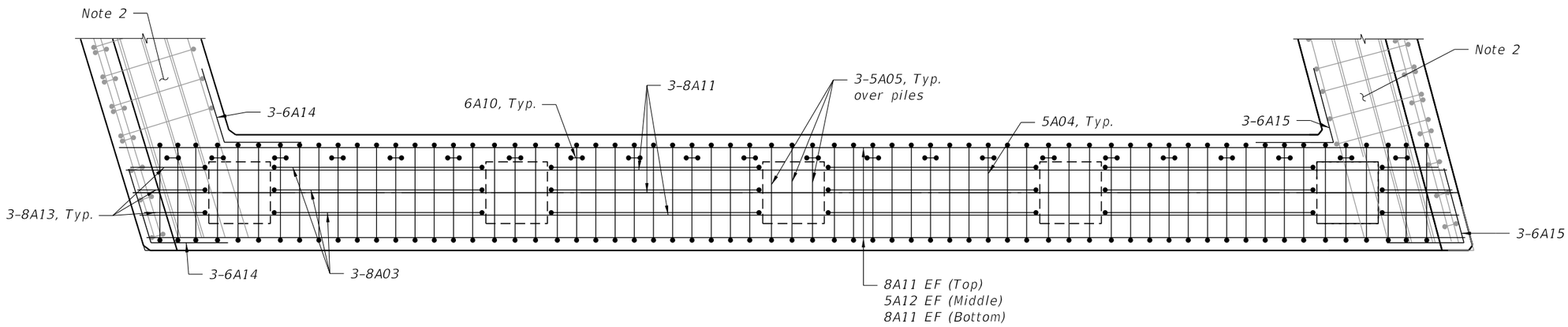
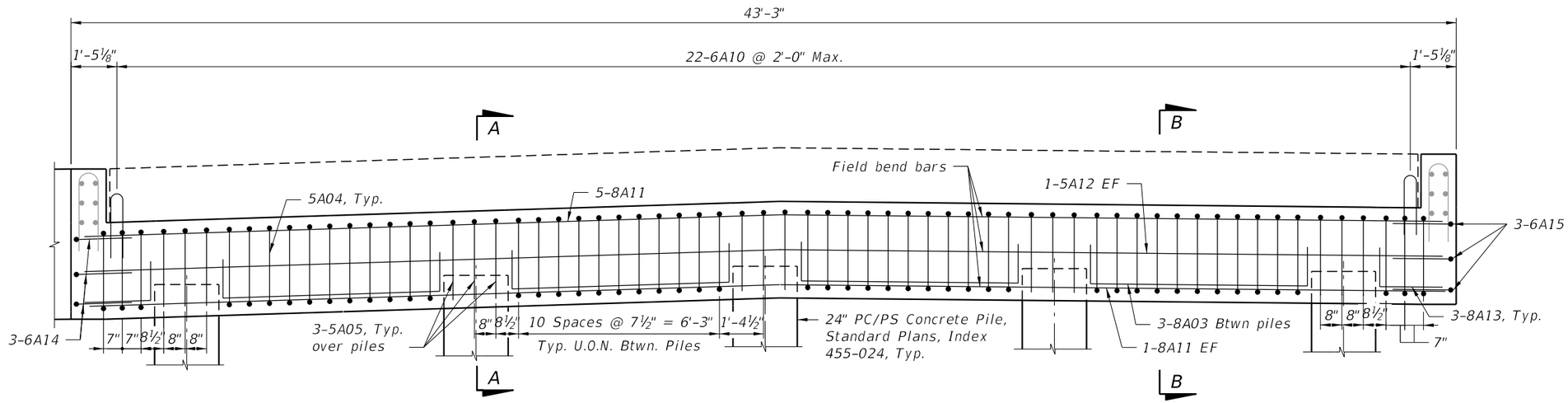


PLAN - END BENT 4



ELEVATION - END BENT 4

Note:

1. For sections A-A, and B-B see "End Bent Details (4 of 4).
2. For Wingwall plan view, see "End Bent Details (3 of 4).

BRIDGE NO. XXXXXX

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REVISIONS					
Date	By	Description	Date	By	Description

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Designed by: DAM 03-24
Checked by: JPL 03-24

THE CITY OF POMPANO BEACH

ROAD NO.	COUNTY
SE 6TH TERRACE	BROWARD

SHEET TITLE: END BENT DETAILS (2 OF 4)

REF. DWG. NO.

PROJECT NAME: SE 6TH TERRACE BRIDGE REPLACEMENT

SHEET NO. B-14

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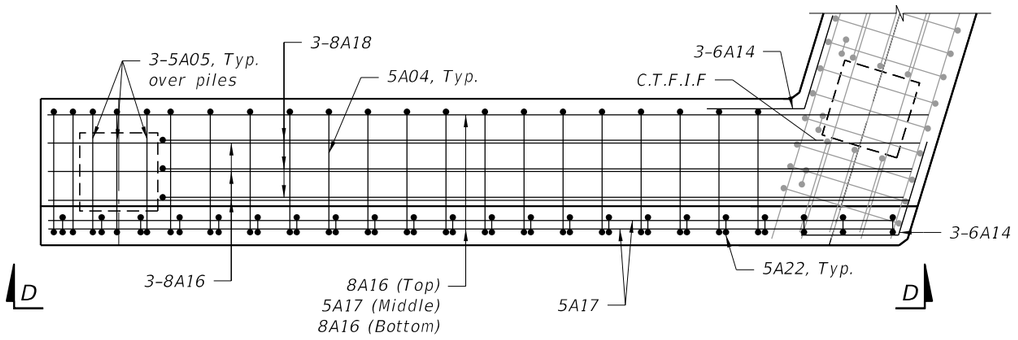
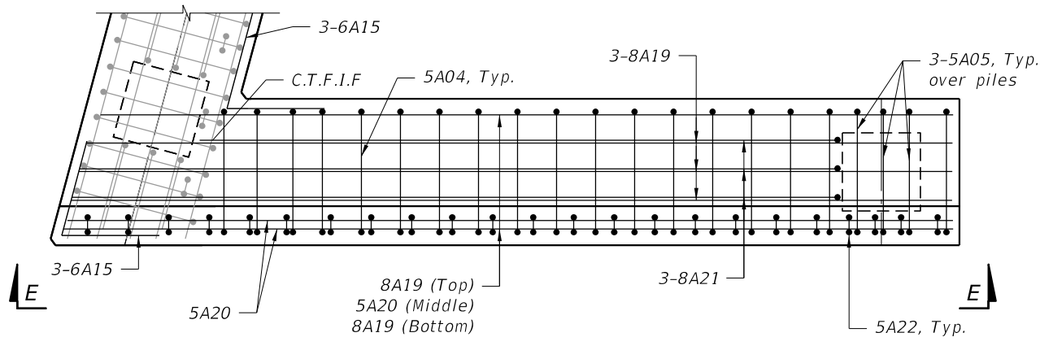
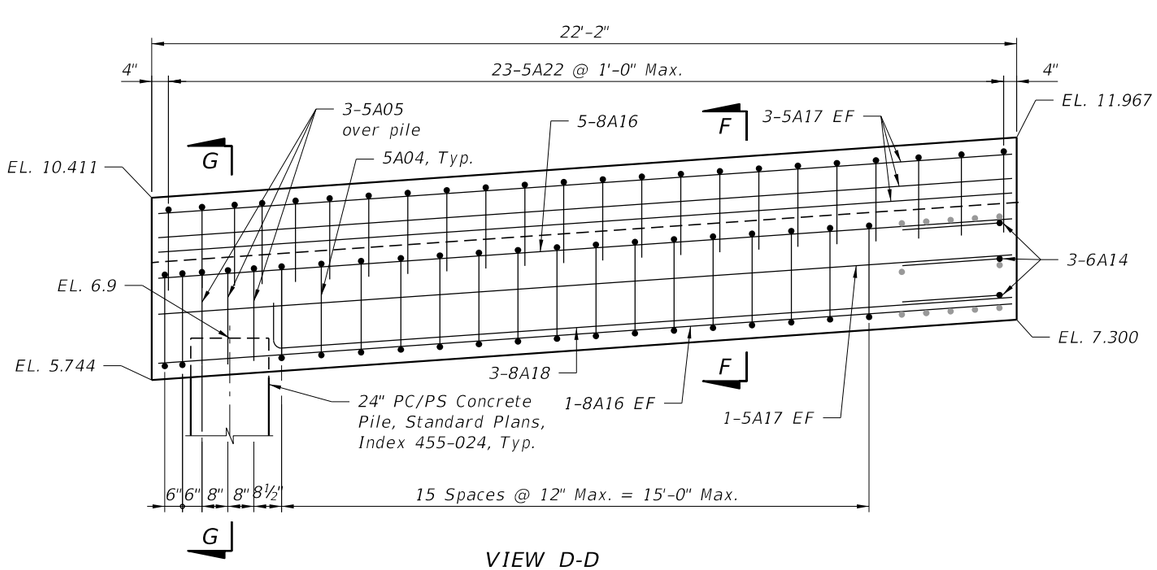


PLAN - END BENT 4 LEFT WINGWALL

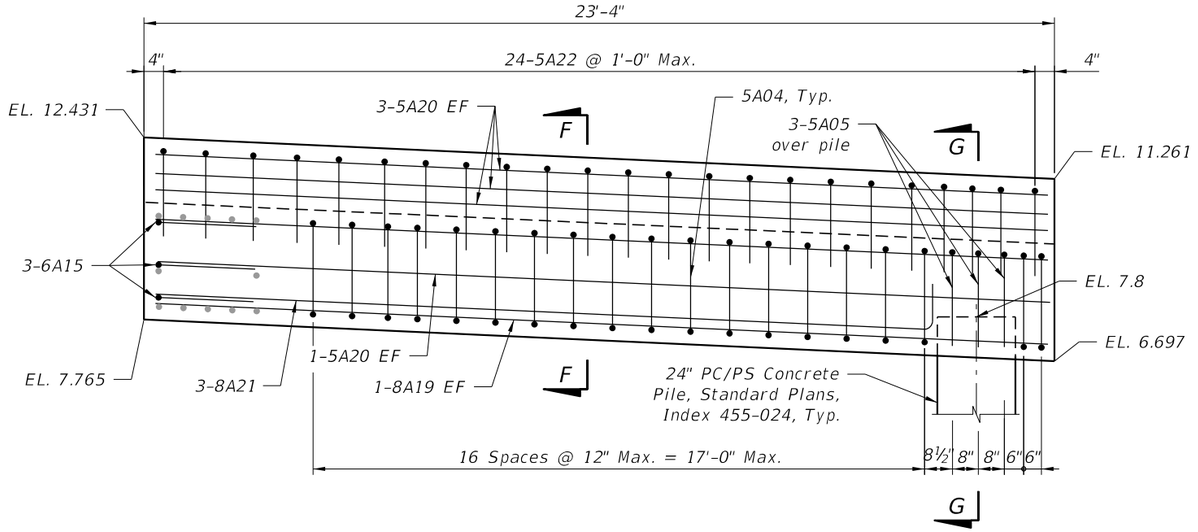


PLAN - END BENT 4 RIGHT WINGWALL

C.T.F.I.F = Cut To Fit in Field



VIEW D-D



VIEW E-E

Note:
1. For Section F-F & G-G. See End Bent Details (4 of 4).

BRIDGE NO. XXXXXX

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REVISIONS					
Date	By	Description	Date	By	Description

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Designed by:	DAM 03-24
Checked by:	JPL 03-24

THE CITY OF POMPANO BEACH

ROAD NO.	COUNTY
SE 6TH TERRACE	BROWARD

SHEET TITLE: END BENT DETAILS (3 OF 4)

REF. DWG. NO.

PROJECT NAME: SE 6TH TERRACE BRIDGE REPLACEMENT

SHEET NO. B-15

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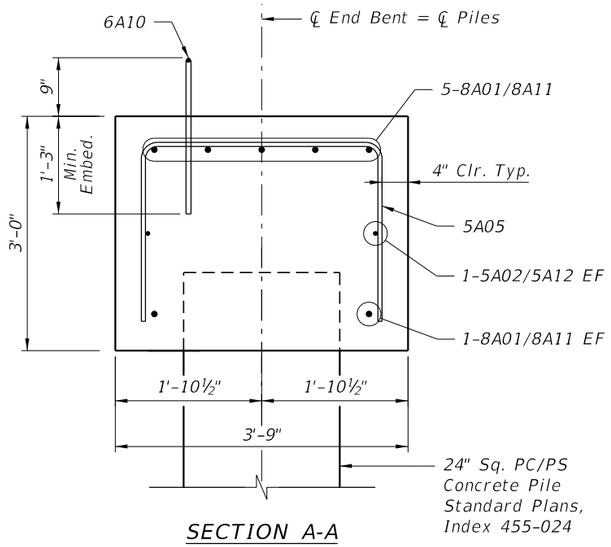
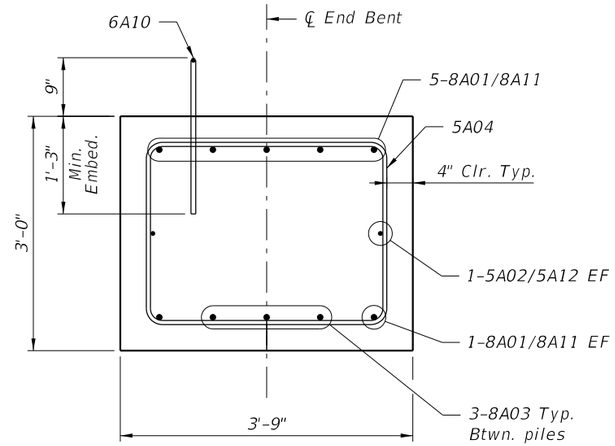


SECTION A-A



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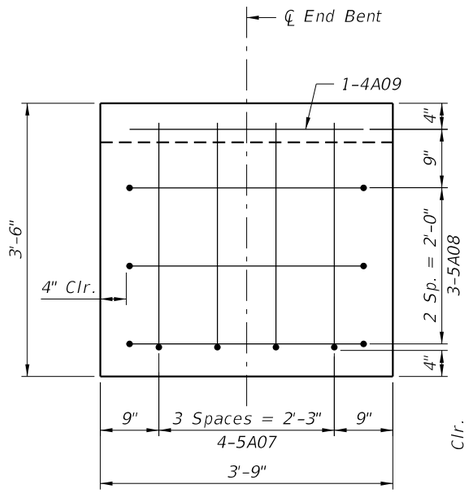
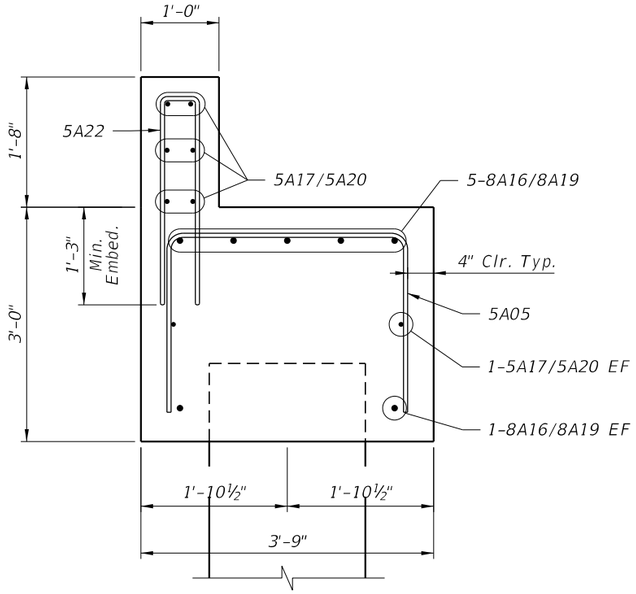


VIEW C-C



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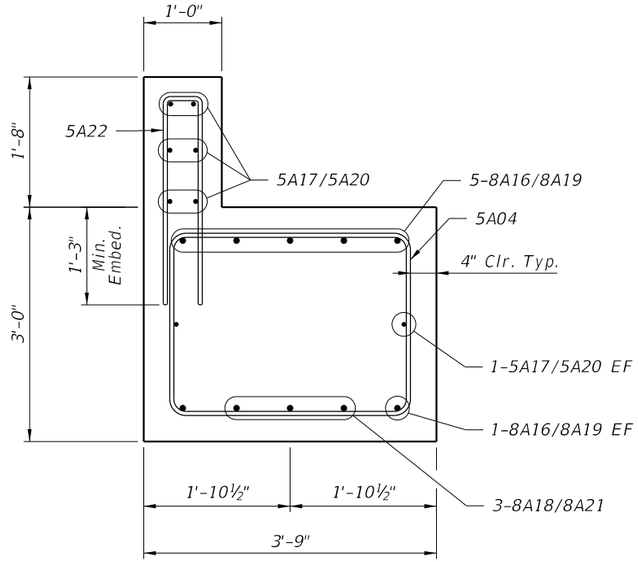

SECTION G-G

BRIDGE NO. XXXXXX

REVISIONS

Date	By	Description	Date	By	Description

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Checked by: JPL 03-24
Designed by: DAM 03-24
Checked by: JPL 03-24

THE CITY OF POMPANO BEACH

ROAD NO.	COUNTY
SE 6TH TERRACE	BROWARD

SHEET TITLE: END BENT DETAILS (4 OF 4)

PROJECT NAME: SE 6TH TERRACE BRIDGE REPLACEMENT

REF. DWG. NO.

SHEET NO. B-16

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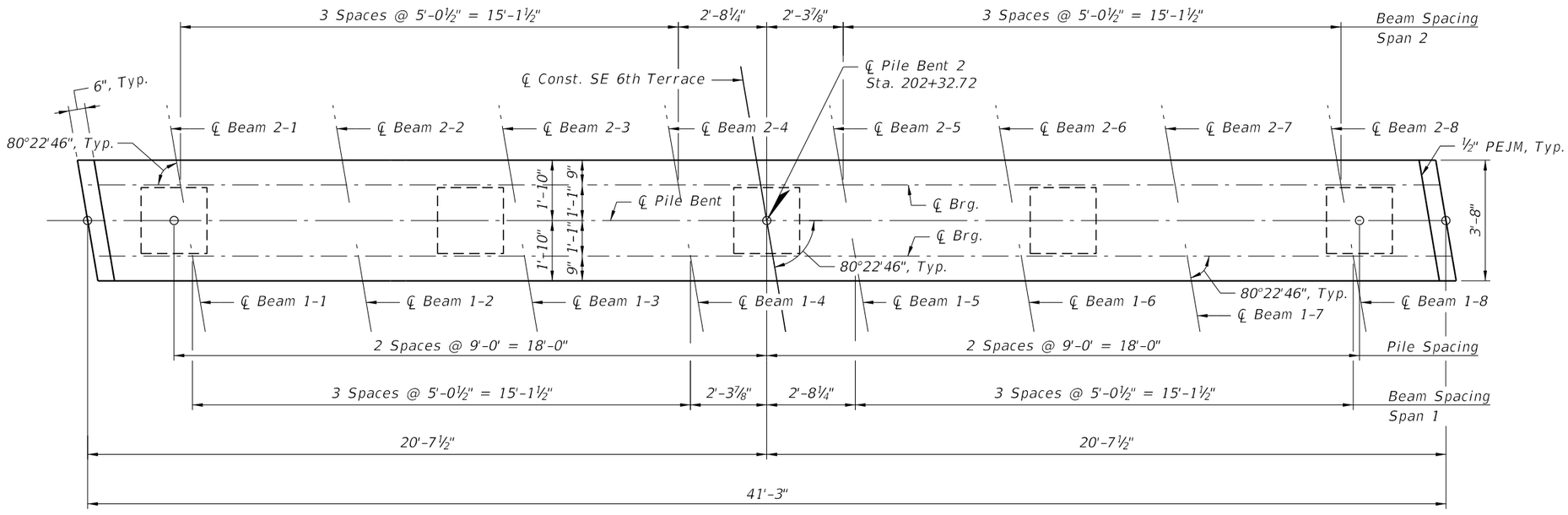
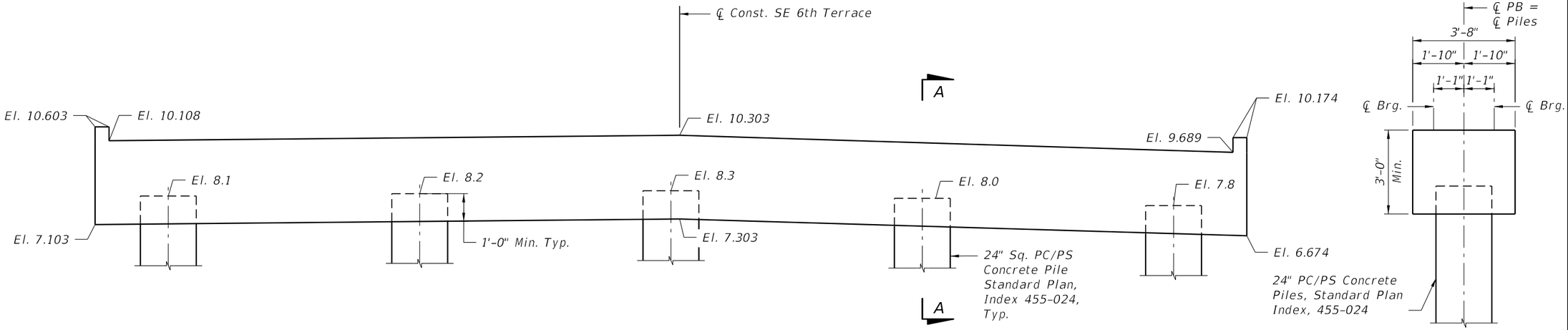


PLAN

Direction of Stationing



ELEVATION

SECTION A-A

BRIDGE NO. XXXXXX

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REVISIONS					
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Checked by:	JPL 03-24
Designed by:	DAM 03-24
Checked by:	JPL 03-24

THE CITY OF POMPANO BEACH

ROAD NO.	COUNTY
SE 6TH TERRACE	BROWARD

SHEET TITLE: PILE BENT 2 LAYOUT

PROJECT NAME: SE 6TH TERRACE BRIDGE REPLACEMENT

REF. DWG. NO.

SHEET NO. B-17

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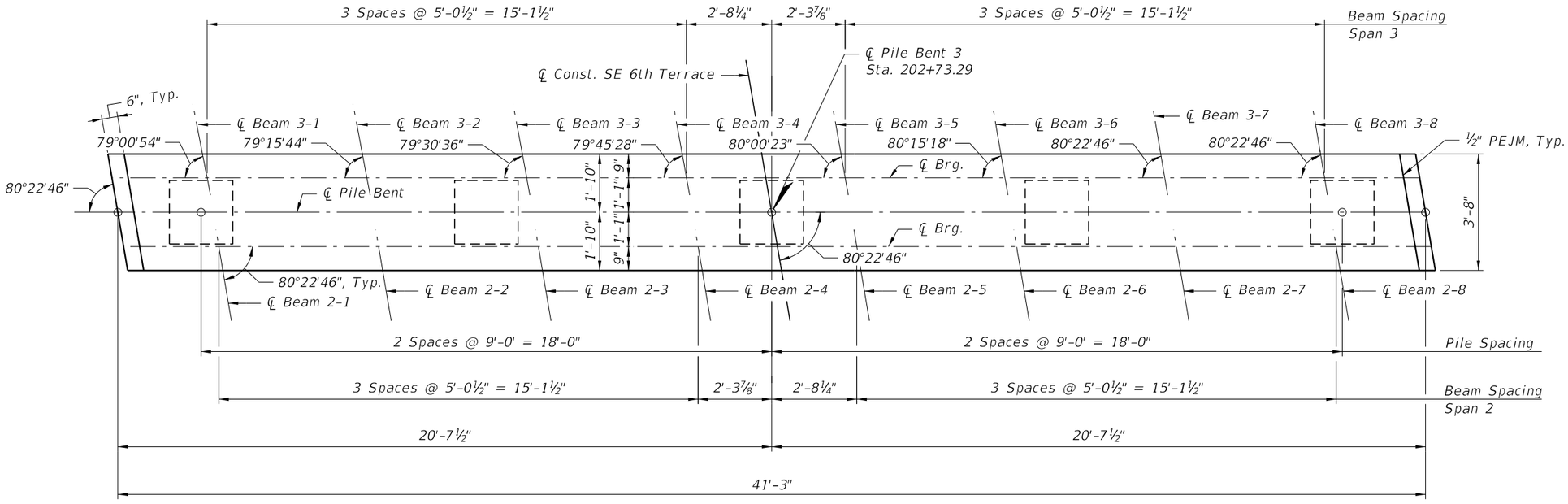
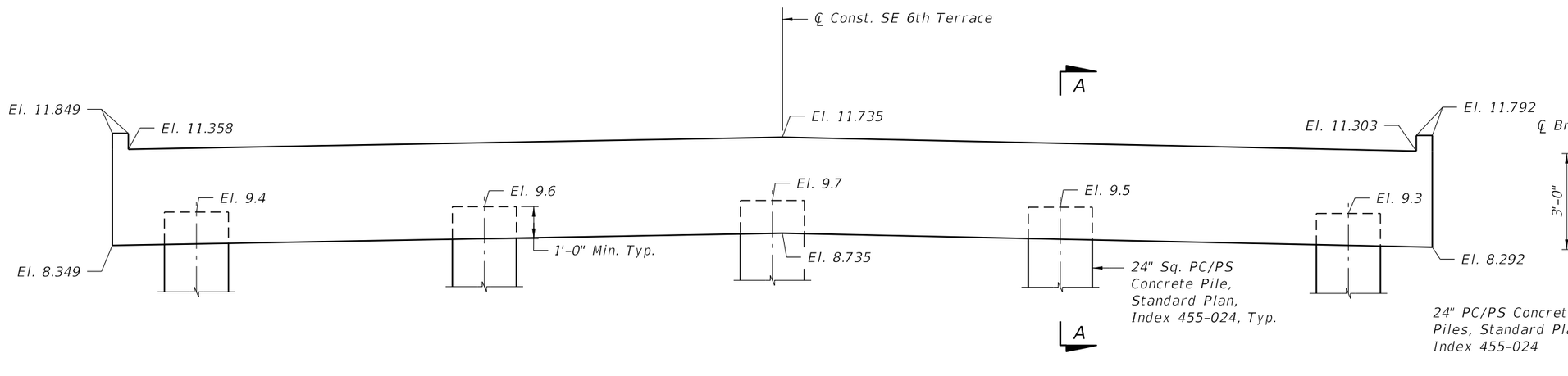


PLAN



ELEVATION

SECTION A-A

BRIDGE NO. XXXXXX

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REVISIONS

Date	By	Description	Date	By	Description

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Checked by:	JPL 03-24
Designed by:	DAM 03-24
Checked by:	JPL 03-24

THE CITY OF POMPANO BEACH

ROAD NO.	COUNTY
SE 6TH TERRACE	BROWARD

SHEET TITLE: PILE BENT 3 LAYOUT

REF. DWG. NO.

PROJECT NAME: SE 6TH TERRACE BRIDGE REPLACEMENT

SHEET NO. B-18

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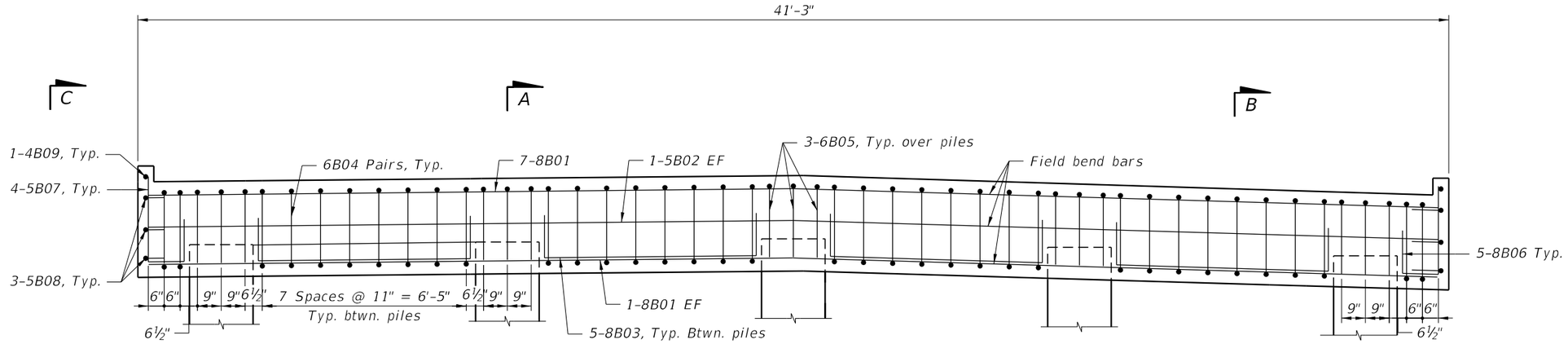

ELEVATION

NOTE:

1. For Sections A-A, B-B and View C-C, see "Pile Bent Details (2 of 2)".

BRIDGE NO. XXXXXX

REVISIONS					
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THE CITY OF POMPANO BEACH

ROAD NO.	COUNTY
SE 6TH TERRACE	BROWARD

SHEET TITLE: PILE BENT DETAILS (1 OF 2)

REF. DWG. NO.

PROJECT NAME: SE 6TH TERRACE BRIDGE REPLACEMENT

SHEET NO. B-19

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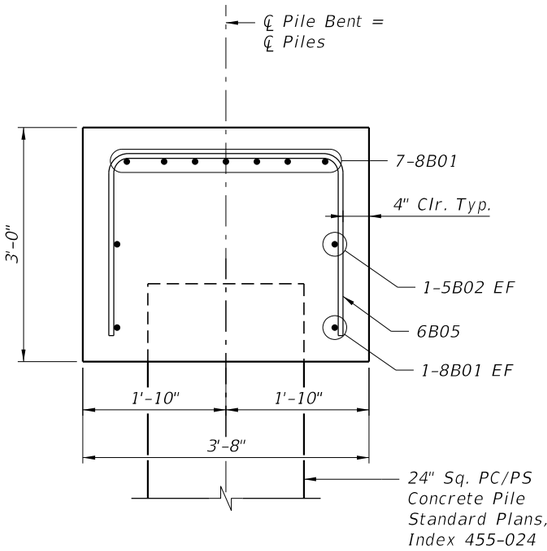
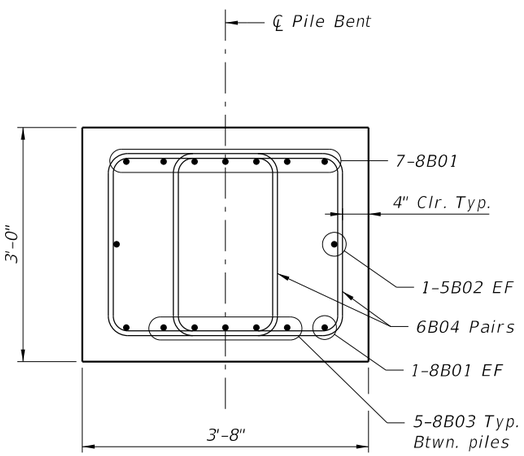
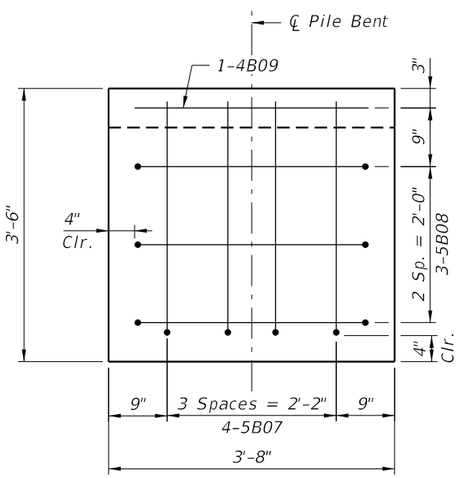


SECTION A-A



SECTION B-B



VIEW C-C

BRIDGE NO. XXXXXX

REVISIONS					
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Designed by: DAM 03-24
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THE CITY OF POMPANO BEACH

ROAD NO.	COUNTY
SE 6TH TERRACE	BROWARD

SHEET TITLE: PILE BENT DETAILS (2 OF 2)

REF. DWG. NO.:

PROJECT NAME: SE 6TH TERRACE BRIDGE REPLACEMENT

SHEET NO.: B-20

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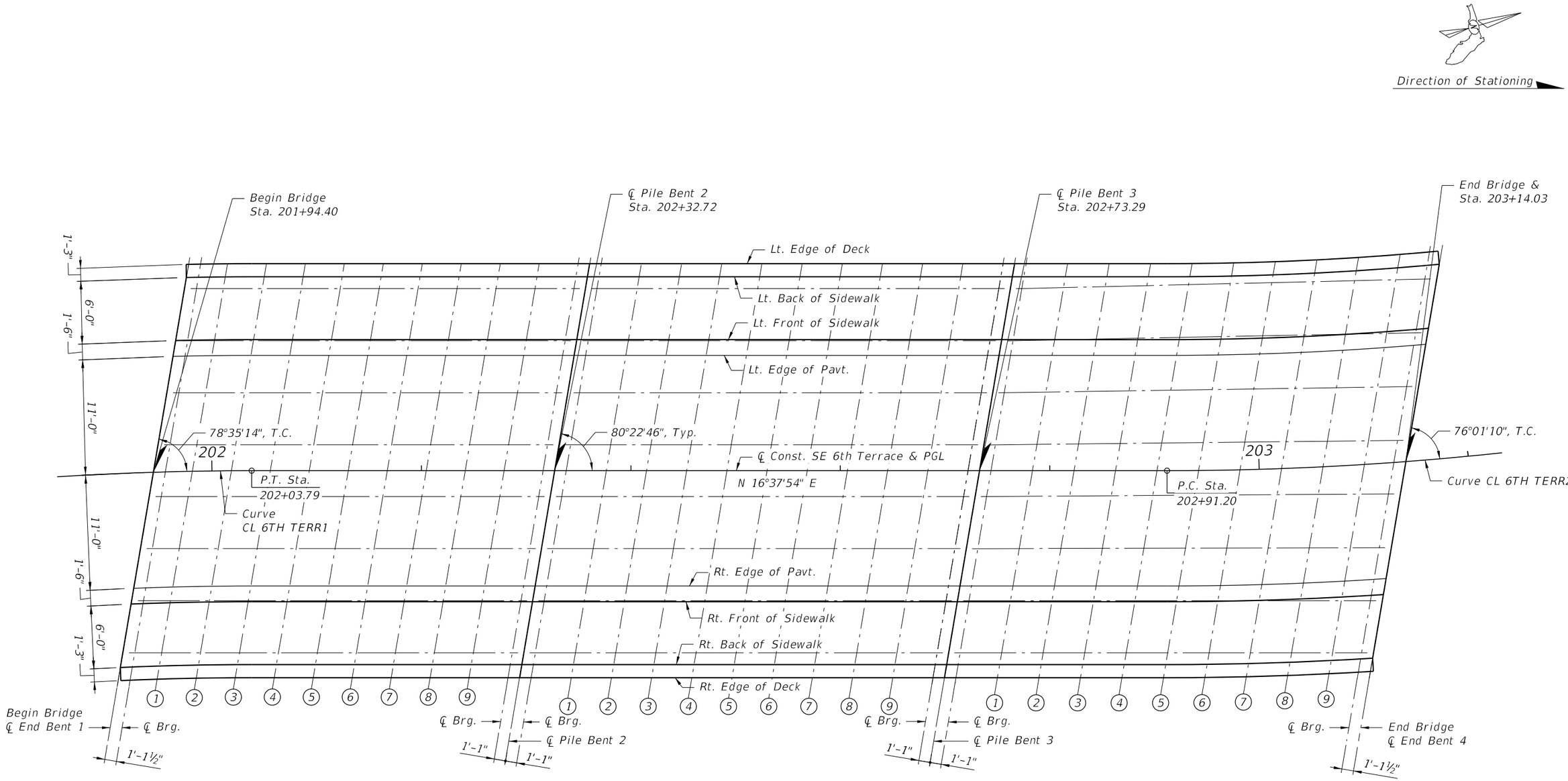

PLAN

Notes:

1. For Horizontal Curve information, refer to Plan and Elevation sheet.

BRIDGE NO. XXXXXX

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REVISIONS					
Date	By	Description	Date	By	Description

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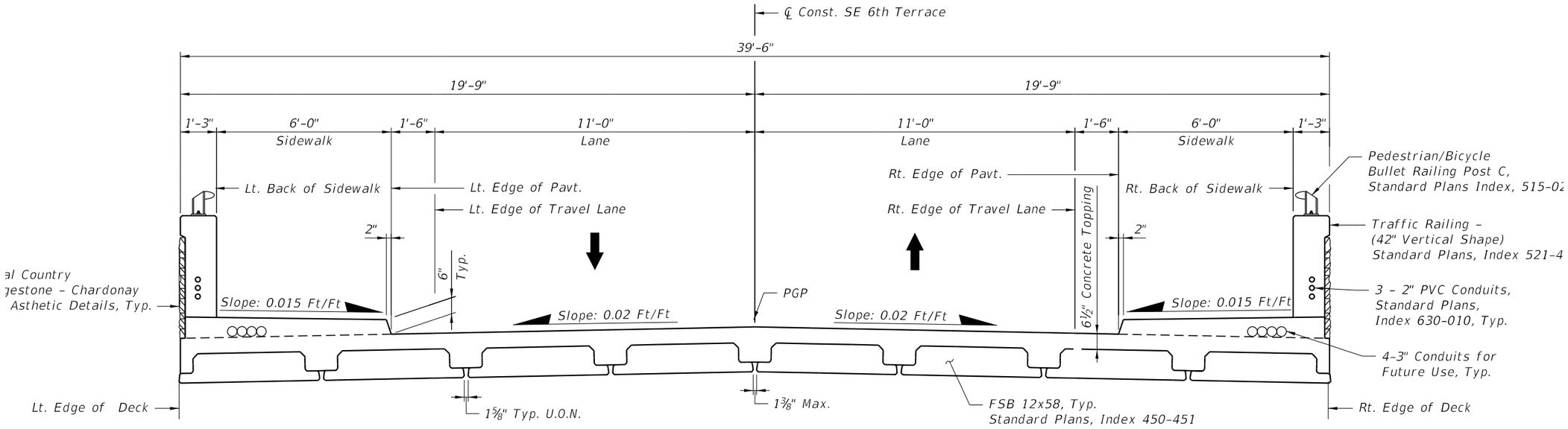
Drawn By: RCA 03-24	THE CITY OF POMPANO BEACH		SHEET TITLE: FINISH GRADE ELEVATIONS (1 OF 2)
Checked by: JPL 03-24			REF. DWG. NO.
Designed by: DAM 03-24	ROAD NO.	COUNTY	PROJECT NAME: SE 6TH TERRACE BRIDGE REPLACEMENT
Checked by: JPL 03-24	SE 6TH TERRACE	BROWARD	SHEET NO. B-21



TYPICAL SECTION

LOCATION	EB 1	SPAN 1									℄ Pile Bent 2	SPAN 2									℄ Pile Bent 3
		1	2	3	4	5	6	7	8	9		1	2	3	4	5	6	7	8	9	
Lt. Edge of Deck	8.927	9.192	9.473	9.773	10.079	10.385	10.691	10.981	11.252	11.503	11.734	11.958	12.160	12.340	12.498	12.634	12.748	12.840	12.910	12.958	12.985
Lt. Back of Sidewalk	8.936	9.202	9.481	9.781	10.087	10.393	10.699	10.990	11.262	11.514	11.747	11.972	12.175	12.356	12.515	12.652	12.767	12.861	12.932	12.981	13.009
Lt. Edge of Pavt.	8.977	9.245	9.523	9.820	10.125	10.432	10.738	11.035	11.312	11.569	11.807	12.038	12.246	12.433	12.597	12.740	12.861	12.959	13.036	13.091	13.124
Lt. Edge of Travel Lane	8.987	9.256	9.534	9.830	10.135	10.442	10.748	11.046	11.324	11.583	11.822	12.054	12.264	12.452	12.618	12.762	12.884	12.984	13.062	13.118	13.153
℄ Const. SE 6th Terrace & PGL	9.054	9.329	9.613	9.905	10.206	10.512	10.819	11.123	11.411	11.679	11.928	12.170	12.390	12.588	12.764	12.918	13.050	13.161	13.249	13.315	13.360
Rt. Edge of Travel Lane	8.672	8.953	9.243	9.542	9.838	10.143	10.450	10.756	11.054	11.331	11.589	11.841	12.072	12.280	12.466	12.630	12.772	12.893	12.991	13.067	13.122
Rt. Edge of Pavt.	8.620	8.901	9.192	9.492	9.789	10.093	10.399	10.706	11.004	11.283	11.543	11.796	12.028	12.237	12.425	12.590	12.734	12.856	12.955	13.033	13.089
Rt. Back of Sidewalk	8.407	8.692	8.986	9.290	9.589	9.892	10.198	10.505	10.807	11.091	11.356	11.615	11.852	12.067	12.260	12.431	12.580	12.707	12.812	12.896	12.957
Rt. Edge of Deck	8.362	8.648	8.943	9.248	9.548	9.850	10.156	10.463	10.766	11.051	11.317	11.577	11.815	12.031	12.225	12.397	12.548	12.676	12.783	12.867	12.930

LOCATION	℄ Pile Bent 3	SPAN 3									EB 4
		1	2	3	4	5	6	7	8	9	
Lt. Edge of Deck	12.985	12.989	12.971	12.931	12.867	12.775	12.658	12.515	12.346	12.152	11.932
Lt. Back of Sidewalk	13.009	13.014	12.998	12.959	12.896	12.806	12.691	12.550	12.384	12.193	11.976
Lt. Edge of Pavt.	13.124	13.135	13.124	13.091	13.035	12.953	12.847	12.717	12.563	12.385	12.182
Lt. Edge of Travel Lane	13.153	13.165	13.155	13.123	13.069	12.990	12.886	12.759	12.607	12.432	12.232
℄ Const. SE 6th Terrace & PGL	13.360	13.382	13.382	13.361	13.317	13.251	13.163	13.052	12.920	12.765	12.589
Rt. Edge of Travel Lane	13.122	13.155	13.165	13.153	13.120	13.064	12.989	12.894	12.779	12.642	12.486
Rt. Edge of Pavt.	13.089	13.123	13.135	13.125	13.092	13.038	12.965	12.872	12.758	12.624	12.470
Rt. Back of Sidewalk	12.957	12.997	13.014	13.009	12.983	12.934	12.867	12.781	12.675	12.550	12.406
Rt. Edge of Deck	12.930	12.970	12.989	12.985	12.959	12.912	12.846	12.761	12.657	12.534	12.392

BRIDGE NO. XXXXXX

REVISIONS

Date	By	Description	Date	By	Description

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Designed by: DAM 03-24
Checked by: JPL 03-24

THE CITY OF POMPANO BEACH

ROAD NO.	COUNTY
SE 6TH TERRACE	BROWARD

SHEET TITLE: FINISH GRADE ELEVATIONS (2 OF 2)

REF. DWG. NO.

PROJECT NAME: SE 6TH TERRACE BRIDGE REPLACEMENT

SHEET NO. B-22

Diego.Madueno 7/25/2025 11:22:25 AM K:\WPB_Design\040985062_Pompano - SE 6th Terr\040985062\struct\BI\BIFInlshGrEL02.dgn

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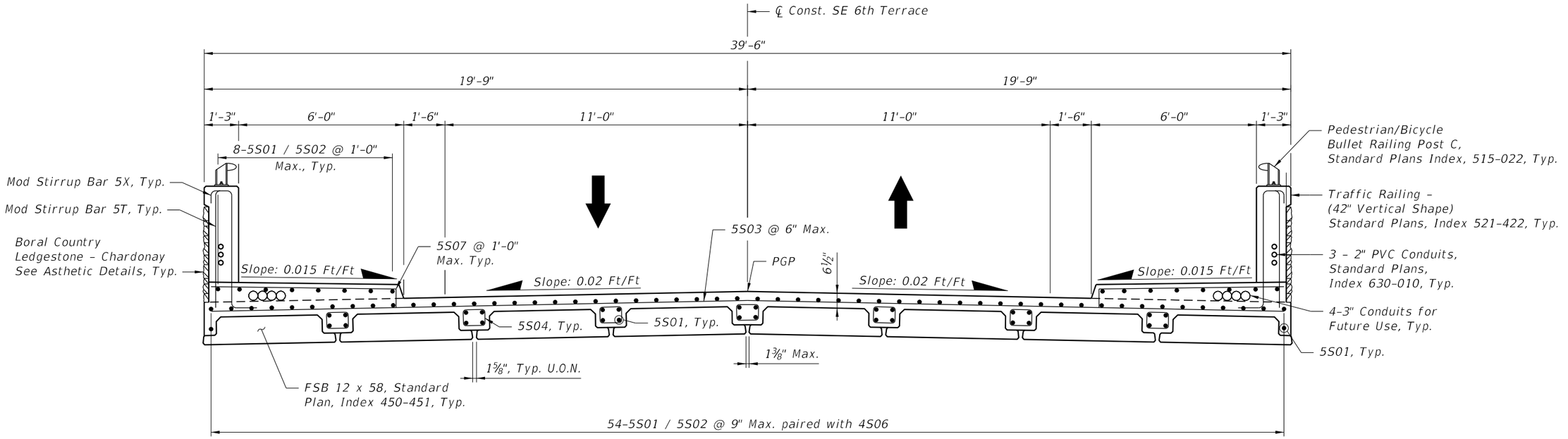
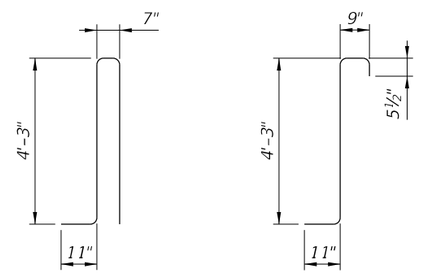


TYPICAL SECTION
(Span 1 and 2 Shown)

MODIFIED REINFORCING STEEL BARS



Stirrup Bar 5T Stirrup Bar 5X

BRIDGE NO. XXXXXX

REVISIONS					
Date	By	Description	Date	By	Description

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Designed by:	DAM 03-24
Checked by:	JPL 03-24

THE CITY OF POMPANO BEACH

ROAD NO.	COUNTY
SE 6TH TERRACE	BROWARD

SHEET TITLE: TYPICAL SECTION

REF. DWG. NO.:

PROJECT NAME: SE 6TH TERRACE BRIDGE REPLACEMENT

SHEET NO.: B-23

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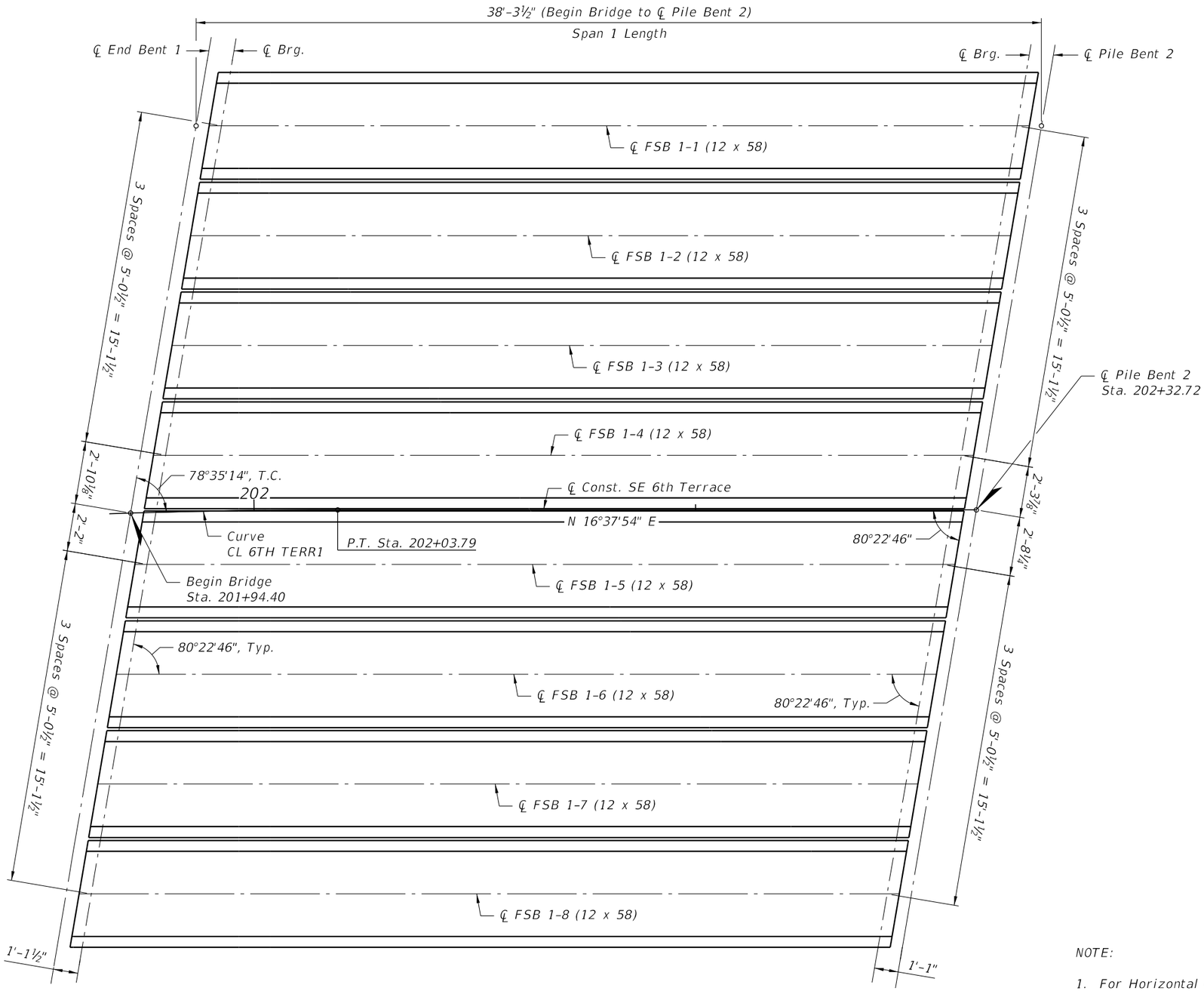

PLAN - SPAN 1

NOTE:

1. For Horizontal Curve Information, refer to "Plan and Elevation.

BRIDGE NO. XXXXXX

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REVISIONS					
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THE CITY OF POMPANO BEACH

ROAD NO.	COUNTY
SE 6TH TERRACE	BROWARD

SHEET TITLE: FRAMING PLAN (1 OF 3)

REF. DWG. NO.

PROJECT NAME: SE 6TH TERRACE BRIDGE REPLACEMENT

SHEET NO. B-24

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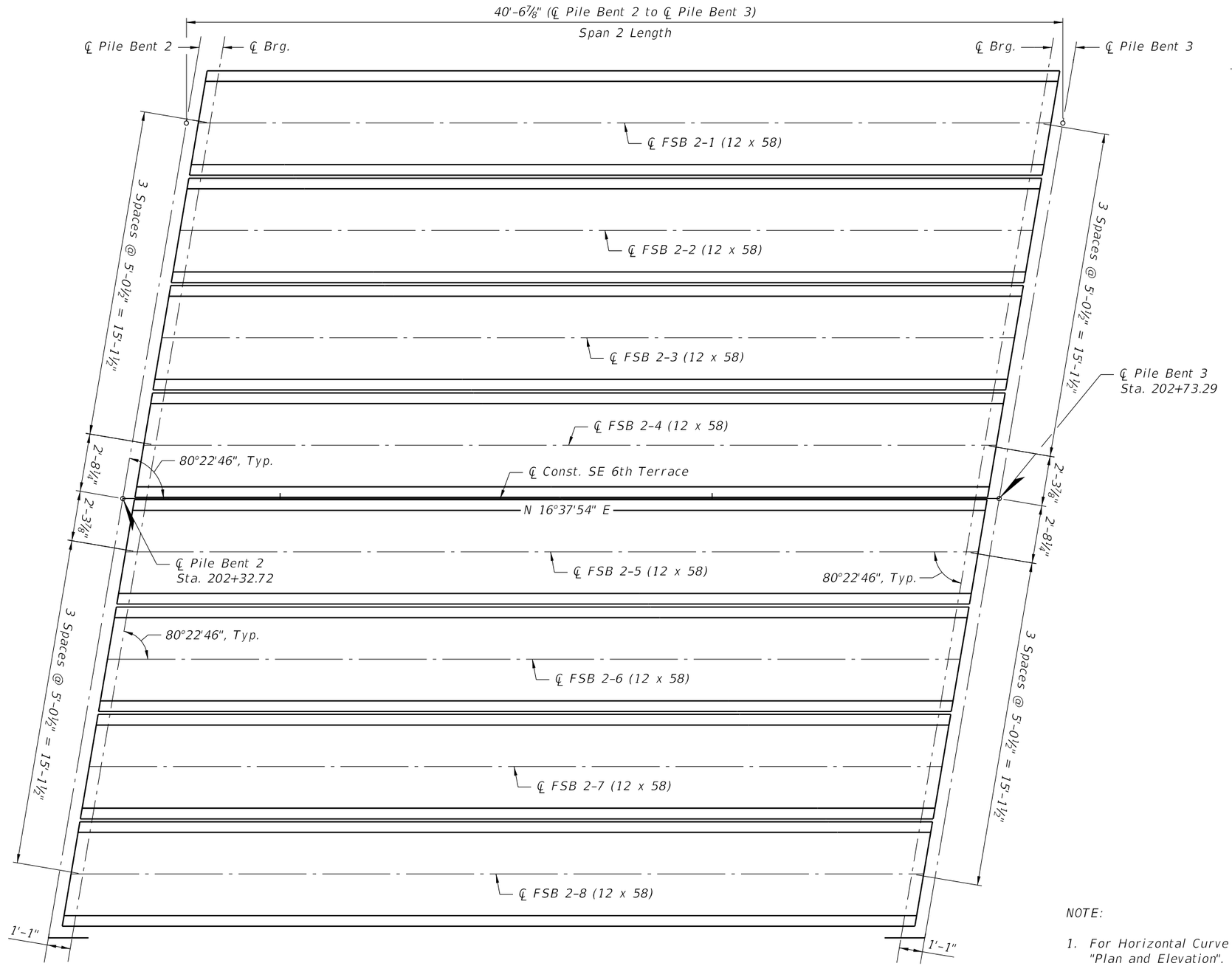

NOTE:

1. For Horizontal Curve Information, refer to "Plan and Elevation".

PLAN - SPAN 2

BRIDGE NO. XXXXXX

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REVISIONS					
Date	By	Description	Date	By	Description

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THE CITY OF POMPANO BEACH

ROAD NO.	COUNTY
SE 6TH TERRACE	BROWARD

SHEET TITLE: FRAMING PLAN (2 OF 3)

REF. DWG. NO.

PROJECT NAME: SE 6TH TERRACE BRIDGE REPLACEMENT

SHEET NO. B-25

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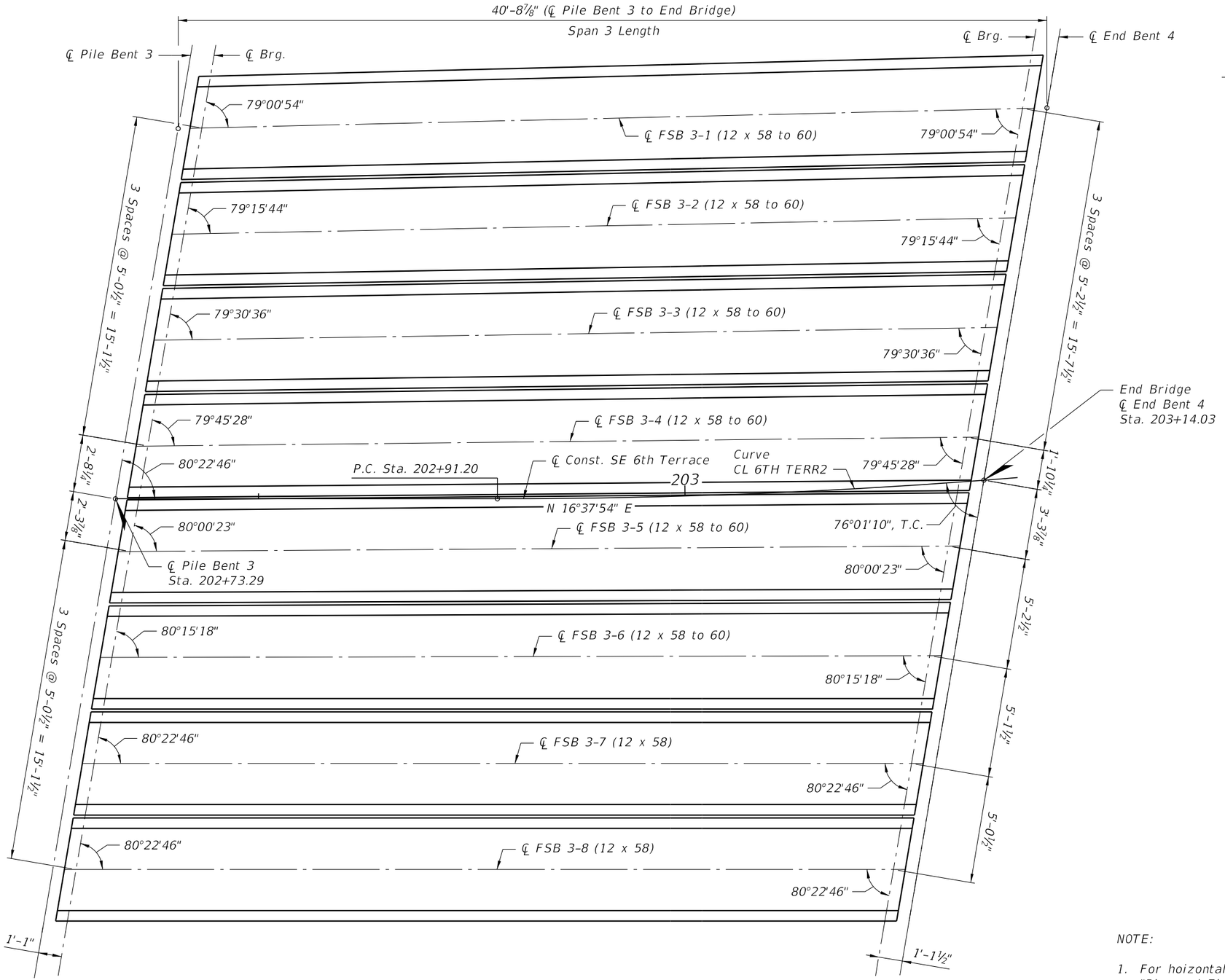

NOTE:

1. For hoizontal curve information, refer to "Plan and Elevation".

PLAN - SPAN 3

BRIDGE NO. XXXXXX

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Designed by:	DAM 03-24
Checked by:	JPL 03-24

THE CITY OF POMPANO BEACH

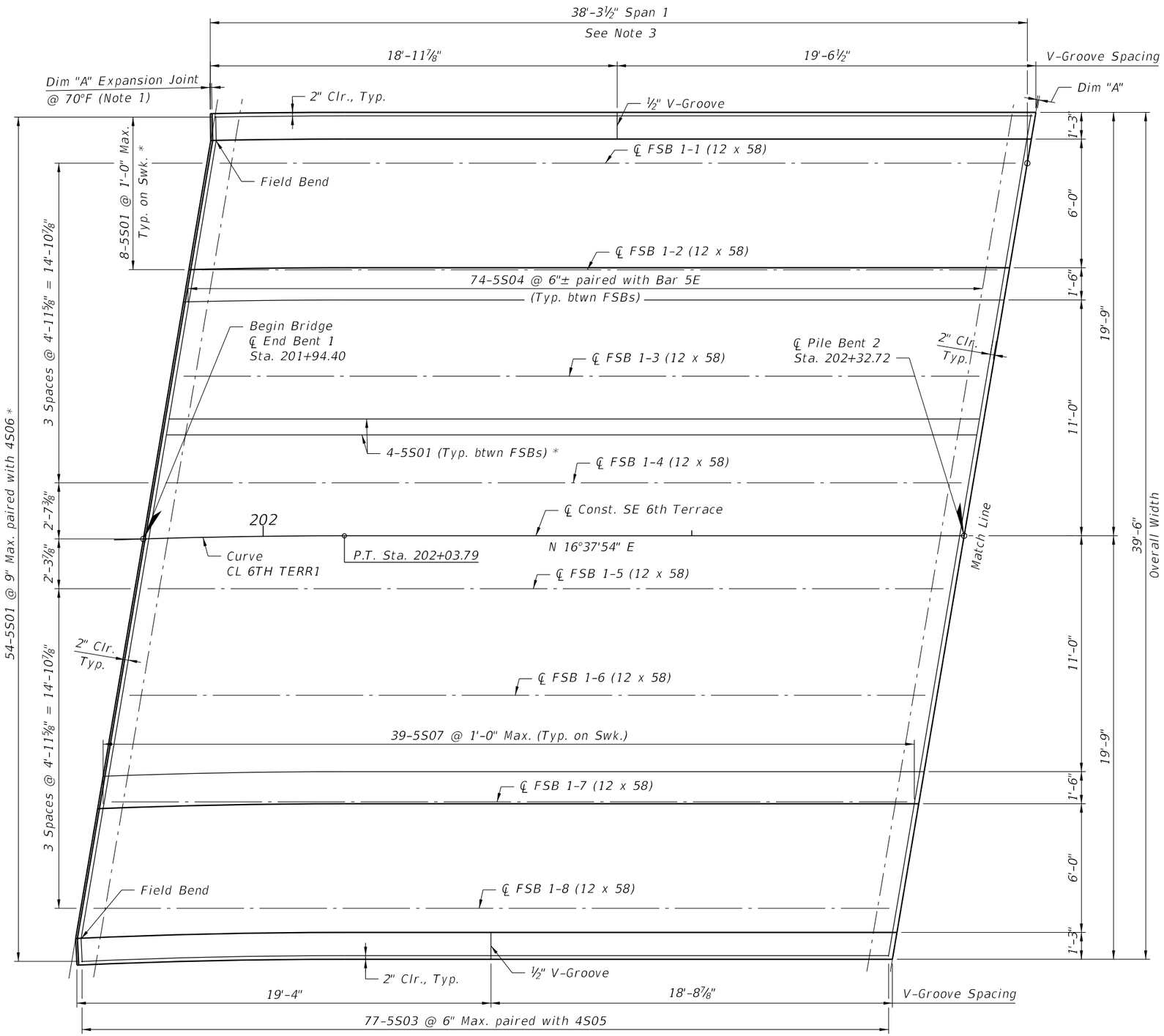
ROAD NO.	COUNTY
SE 6TH TERRACE	BROWARD

SHEET TITLE: FRAMING PLAN (3 OF 3)

REF. DWG. NO.:

PROJECT NAME: SE 6TH TERRACE BRIDGE REPLACEMENT

SHEET NO.: B-26



Notes:
1. For Dimension "A", see Superstructure Details (3 of 5) sheet.
2. For Horizontal Curve information, refer to "Plan and Elevation" sheet.
3. All Spans measure along Centerline Const. SE 6th Terrace, (PGL).

* - Field Bent 5S01 Bars as Necessary on Span 1

PLAN

BRIDGE NO. XXXXXX

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THE CITY OF POMPANO BEACH

ROAD NO.	COUNTY
SE 6TH TERRACE	BROWARD

SHEET TITLE: SUPERSTRUCTURE PLAN (1 OF 3)

REF. DWG. NO.:

PROJECT NAME: SE 6TH TERRACE BRIDGE REPLACEMENT

SHEET NO.: B-27

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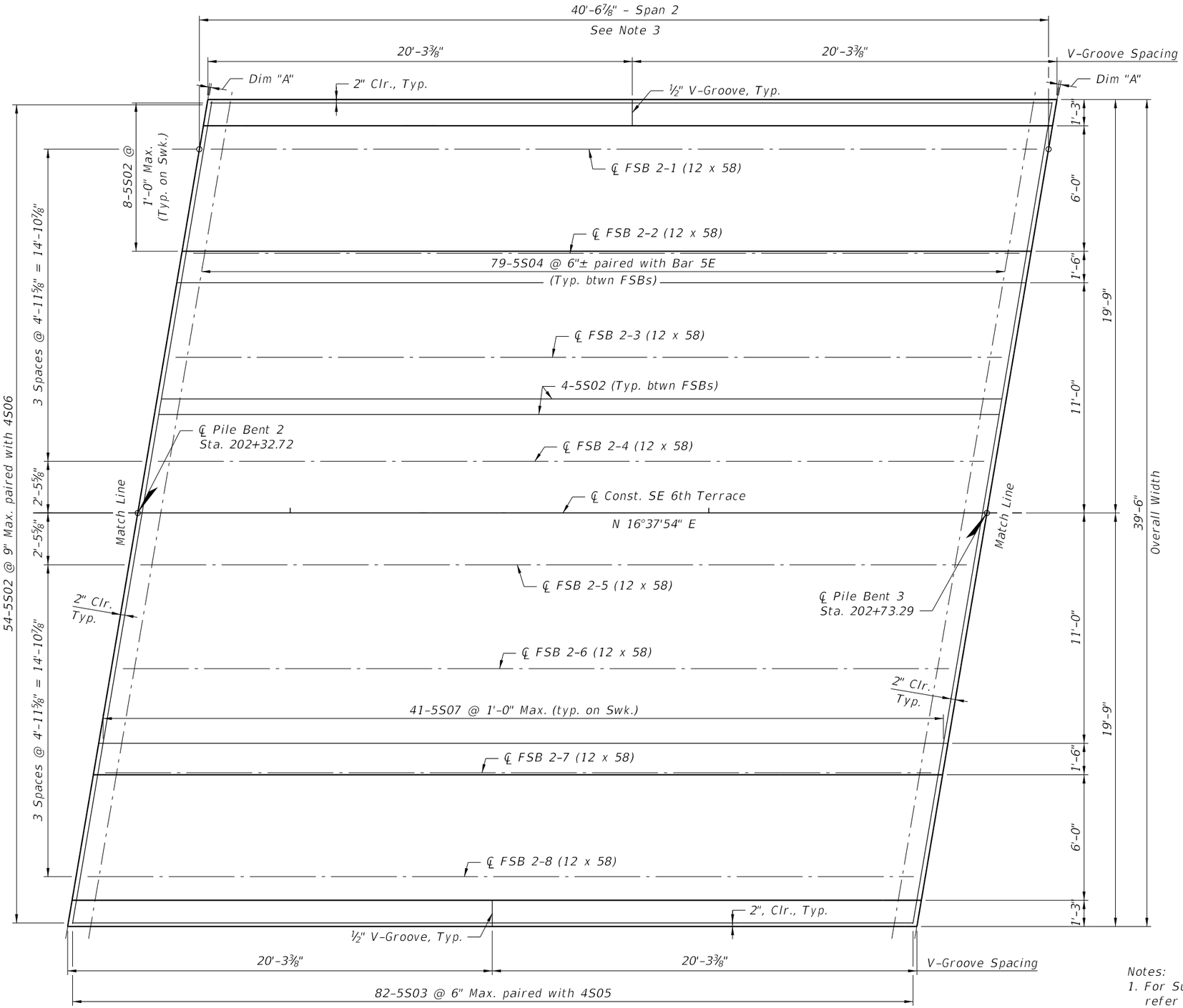

Notes:
1. For Superstructure Plan notes, refer to Superstructure Plan (1 of 3) sheet.

PLAN

BRIDGE NO. XXXXXX

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THE CITY OF POMPANO BEACH

ROAD NO.	COUNTY
SE 6TH TERRACE	BROWARD

SHEET TITLE: SUPERSTRUCTURE PLAN (2 OF 3)

REF. DWG. NO.

PROJECT NAME: SE 6TH TERRACE BRIDGE REPLACEMENT

SHEET NO. B-28

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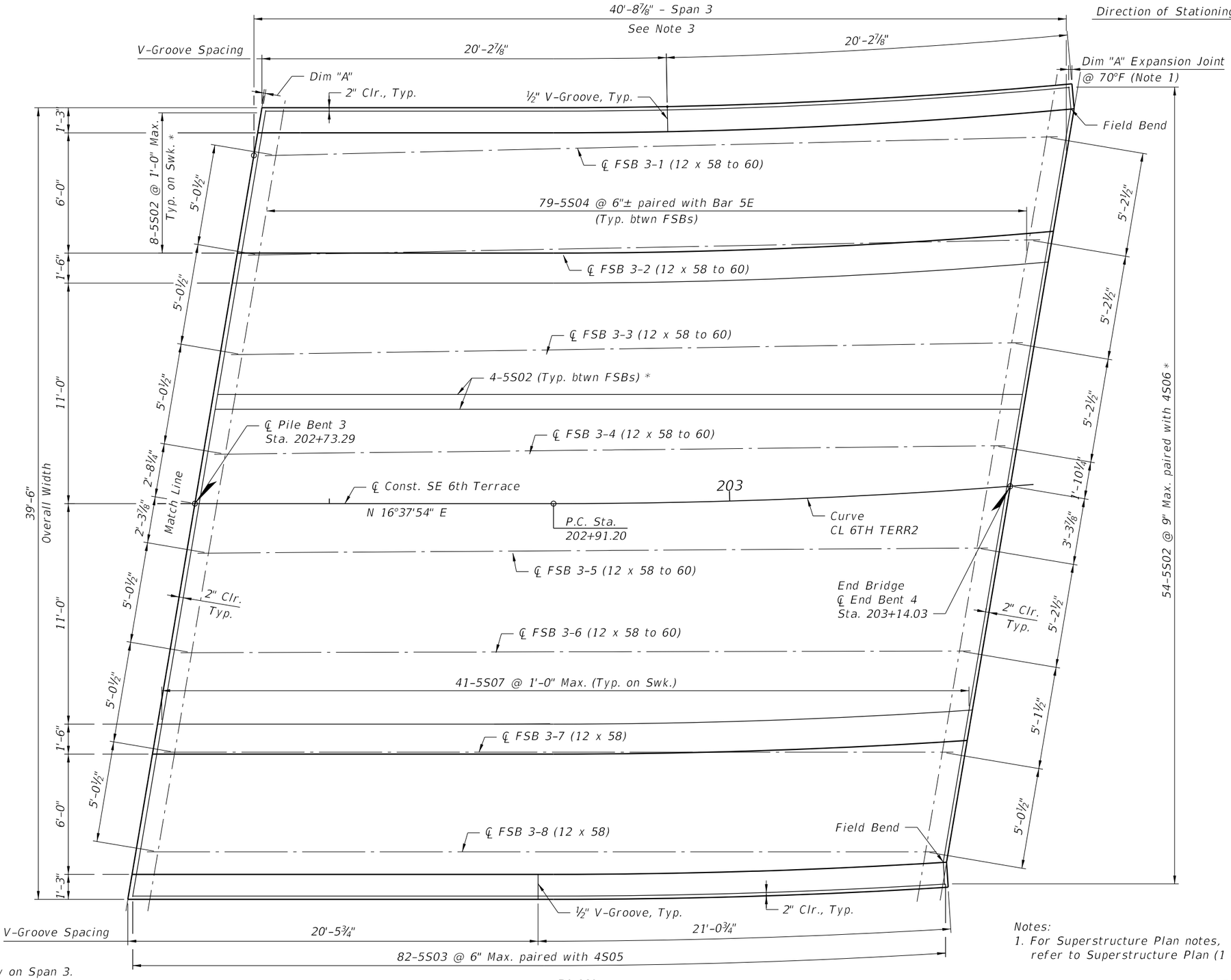

* - Field Bend 5S02 Bars as Necessary on Span 3.

Notes:
1. For Superstructure Plan notes, refer to Superstructure Plan (1 of 3) sheet.

PLAN

BRIDGE NO. XXXXXX

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THE CITY OF POMPANO BEACH

ROAD NO.	COUNTY
SE 6TH TERRACE	BROWARD

SHEET TITLE: SUPERSTRUCTURE PLAN (3 OF 3)

REF. DWG. NO.

PROJECT NAME: SE 6TH TERRACE BRIDGE REPLACEMENT

SHEET NO. B-29

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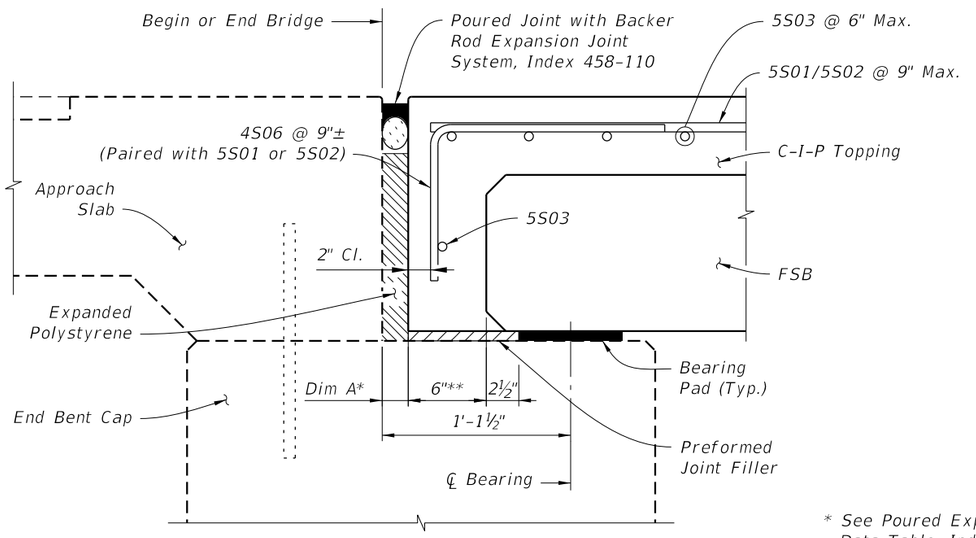
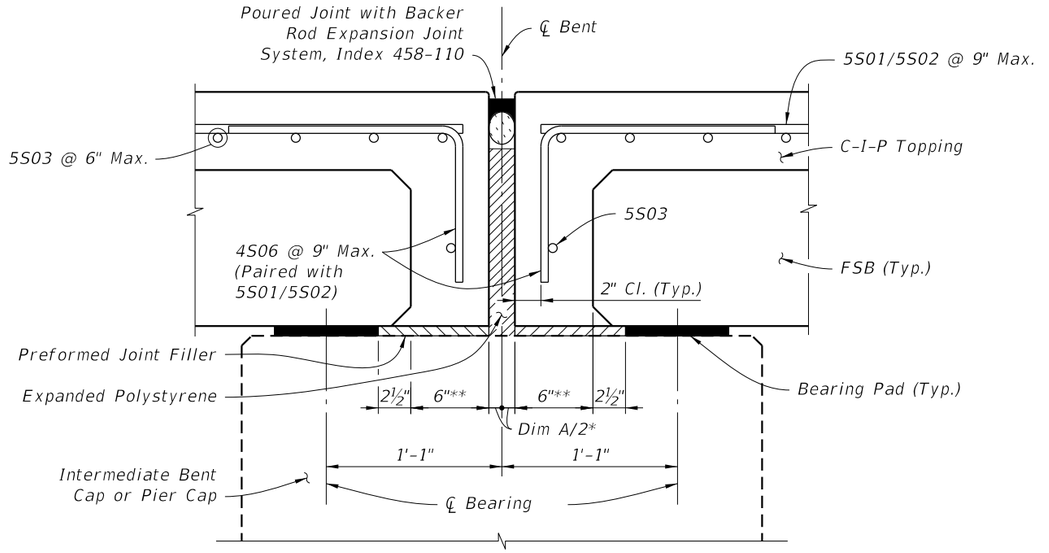


DETAIL AT BEGIN/END BRIDGE ALONG ℄ BEAM

(REINFORCING WITHIN FSB NOT SHOWN FOR CLARITY)

* See Poured Expansion Joint Data Table, Index 458-110.

** Measured perpendicular to beam end.



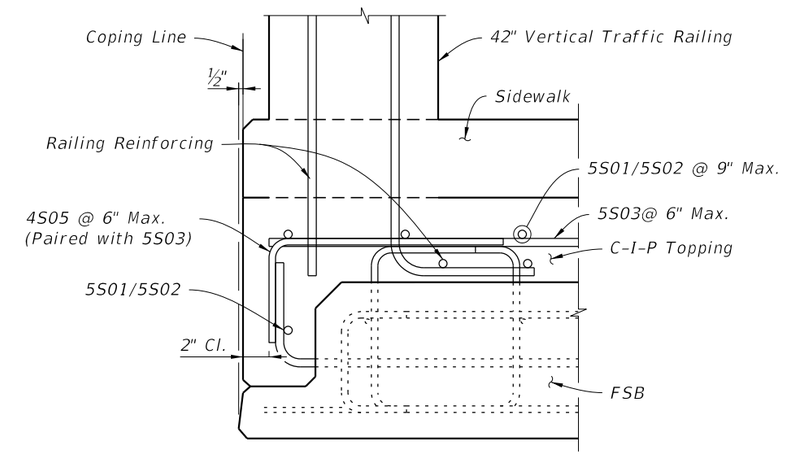
DETAIL AT PILE BENTS ALONG ℄ BEAM

(REINFORCING WITHIN FSB NOT SHOWN FOR CLARITY)

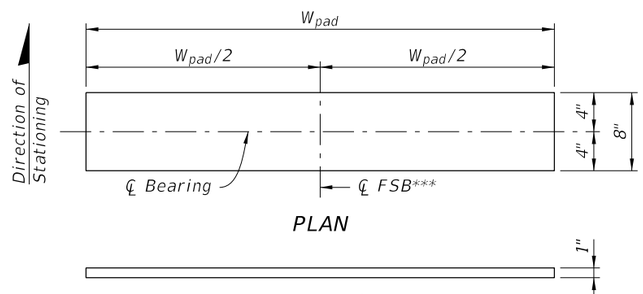
FSB BEARING PAD DATA TABLE			Table Date 11-01-20
SPAN NO.	BEAM NO.	BEARING PAD MARK	W_{pad} (in)
1	1-1 thru 1-8	1	3'-10"
2	2-1 thru 2-8	1	3'-10"
3	3-1 thru 3-8 (Pile Bent 3)	1	3'-10"
3	3-1 thru 3-6 (Pile Bent 4)	2	4'-0"
3	3-7 & 3-8 (Pile Bent 4)	1	3'-10"

NOTE:

1. Provide plain elastomeric Bearing Pads with a Shear Modulus G = 110 psi and in accordance with Secification 932.
2. Bearing pads for Beam 1-6 in Span 3 flare and require different size bearing pad at Bent 4.



DETAIL AT COPINGS



PLAN

ELEVATION

BEARING PAD DETAIL

*** Ø = 90° Shown;
60° ≤ Ø < 90° Similar

BRIDGE NO. XXXXXX

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REVISIONS					
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THE CITY OF POMPANO BEACH

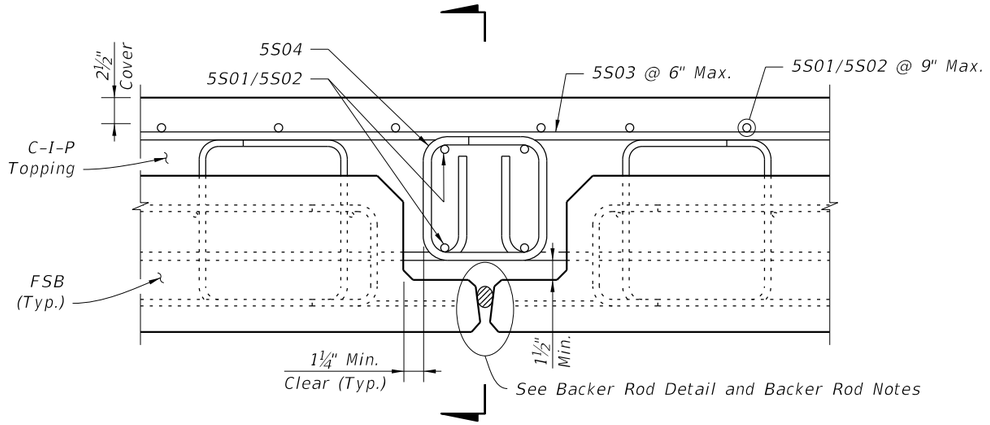
ROAD NO.	COUNTY
SE 6TH TERRACE	BROWARD

SHEET TITLE: SUPETRSTRUCTURE DETAILS (1 OF 5)

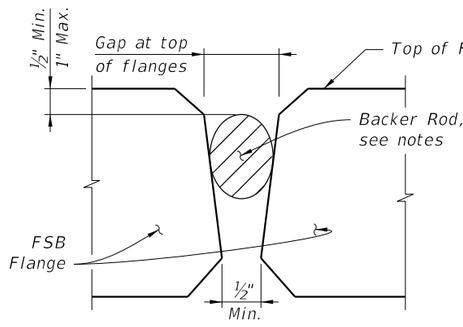
REF. DWG. NO.

PROJECT NAME: SE 6TH TERRACE BRIDGE REPLACEMENT

SHEET NO. B-30



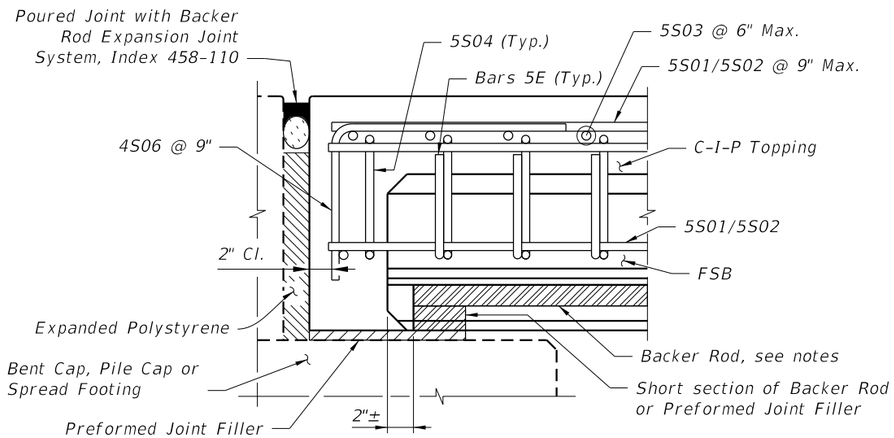
DETAIL AT POCKETS



BACKER ROD DETAIL

BACKER ROD NOTES:

1. Use a Backer Rod to form the bottom of the cast in place topping at the gap between adjacent FSBs. Use a Backer Rod meeting the requirements of ASTM C1330 or ASTM D5249, Types 1 or 3, with a minimum uncompressed diameter 50% larger than the field verified maximum width of the gap between adjacent FSBs. Measure gap at the top of the flanges as shown in the Backer Rod Detail.
2. Install the Backer Rod from the top down to the position shown in the Backer Rod Detail.
3. Secure the Backer Rod to prevent displacement during topping concrete placement and to be mortar tight using a compatible construction adhesive.
4. The Backer Rod may remain in place after topping concrete placement.

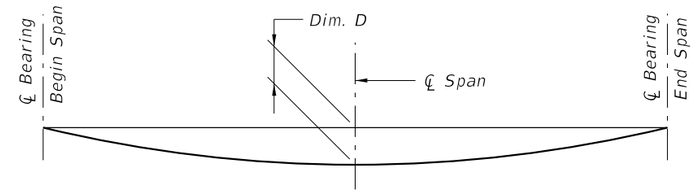


SECTION ALONG ℄ POCKET AT SPAN ENDS

(SECTION AT BEGIN/END BRIDGE SHOWN; SECTION AT PILE BENTS SIMILAR)

CAMBER NOTE:

The values given in the table are based on theoretical beam cambers. The Contractor shall monitor beam cambers for the purpose of predicting camber values at the time of the topping casting. If the predicted cambers based on field measurements differ more than ± ½" from the theoretical "Net Beam Camber @ 120 Days" shown in the table, propose modified dimensions as required and submit to the Engineer for approval a minimum of 21 days prior to casting topping concrete.



DEAD LOAD DEFLECTION DIAGRAM

CAMBER AND DEFLECTION DATA TABLE FOR FLORIDA SLAB BEAMS			Table Date 11-01-20
LOCATION		NET BEAM CAMBER (PRESTRESS - DEAD LOAD OF BEAM) @ 120 DAYS (in.)	DIM. D DEAD LOAD DEFLECTION DUE TO TOPPING CASTING @ 120 DAYS (in.)
SPAN NO.	BEAM NO.		
1	1-8	1.25	-0.625
2	1-8	1.5	-0.875
3	1-6	1.375	-0.625
3	7-8	1.25	-0.625

BRIDGE NO. XXXXXX

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THE CITY OF POMPANO BEACH

ROAD NO.	COUNTY
SE 6TH TERRACE	BROWARD

SHEET TITLE: SUPERSTRUCTURE DETAILS (2 OF 5)

REF. DWG. NO.

PROJECT NAME: SE 6TH TERRACE BRIDGE REPLACEMENT

SHEET NO. B-31

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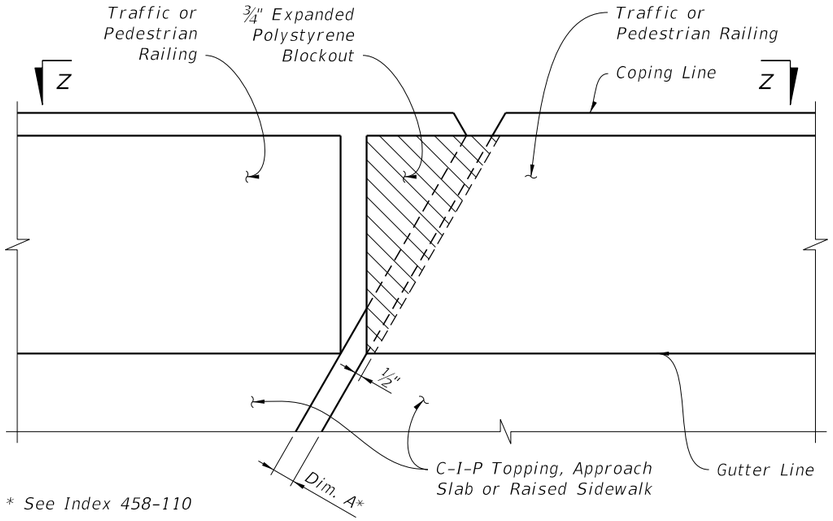
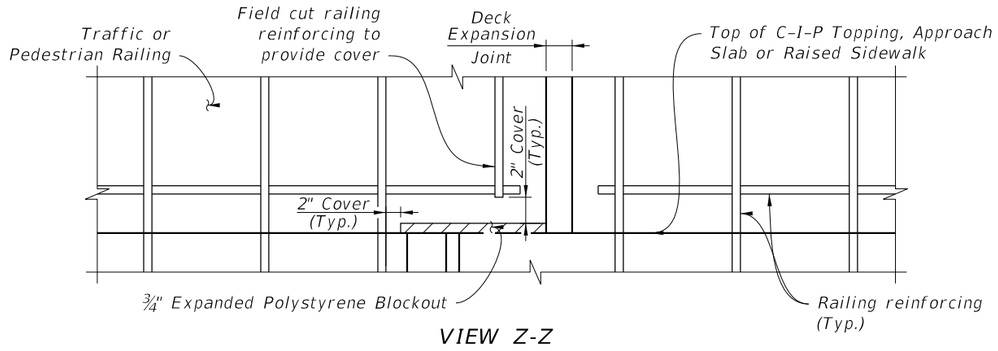


* See Index 458-110

RAILING DETAIL AT SKEWED EXPANSION JOINTS

(Poured Joint with Backer Rod and Reinforcing not shown for clarity)



VIEW Z-Z

POURED EXPANSION JOINT DATA TABLE INDEX 458-110			Table Date 1-01-09
LOCATION	DIM. "A" @ 70°F	TOTAL DESIGN MOVEMENT	DIM. "A" ADJUSTMENT PER 10°F
End Bent 1	1"	⅛"	0.016"
Int. Bents 2 & 3	1"	¼"	0.035"
End Bent 4	1"	⅛"	0.017"

NOTE:
Dim. "A" adjustment per 10°F shown is measured perpendicular to ℄ Expansion Joint. Work this table with Standard Plans Index 458-110.

BRIDGE NO. XXXXXX

REVISIONS					
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THE CITY OF POMPANO BEACH

ROAD NO.	COUNTY
SE 6TH TERRACE	BROWARD

SHEET TITLE: SUPERSTRUCTURE DETAILS (3 OF 5)

REF. DWG. NO.:

PROJECT NAME: SE 6TH TERRACE BRIDGE REPLACEMENT

SHEET NO.: B-32

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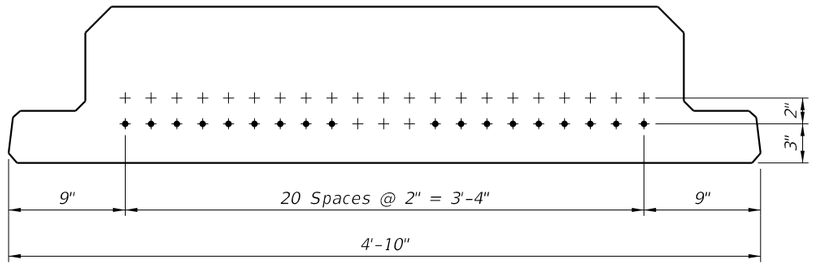
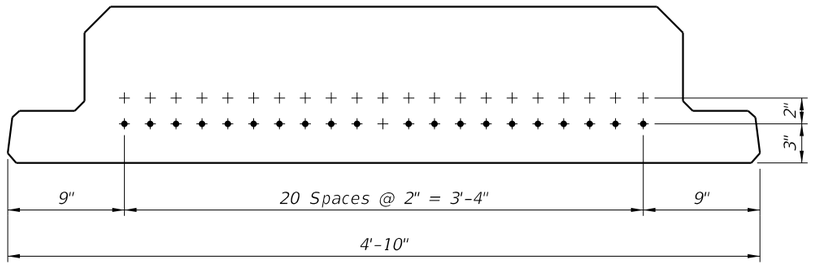
FLORIDA SLAB BEAM - TABLE OF VARIABLES

Table Date 11-01-20

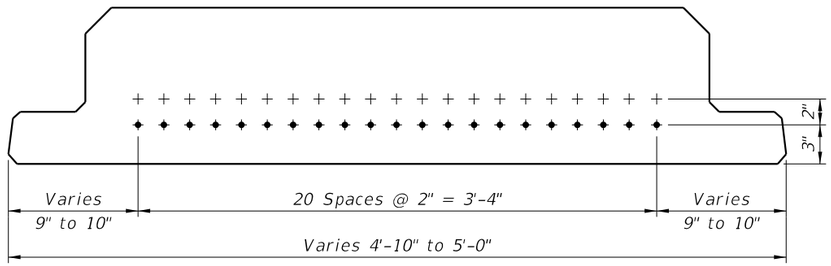
LOCATION		BEAM TYPE	CONCRETE PROPERTIES		STND. PTRN.	PLAN VIEW CASE		ANGLE Ø		BEAM DIMENSIONS*			REINFORCING STEEL														
SPAN NO.	BEAM NO.		CLASS	STRENGTHS (psi)									3C		4D1	4D2	4D3		5E1		5E2		6Y1	6Y2	4K	NO. OF BAR SPACES		BAR SPACING*	
				28 Day	Release	TYPE	END 1	END 2	END 1	END 2	DIM W	DIM L	DIM R	NO.	DIM C	DIM D	DIM D	NO.	DIM D	NO.	DIM E	NO.	DIM E	DIM Y	DIM Y	NO.	S1	S2	V1	V2
1	1 & 8	FSB 12x58	VI	8500	6000	1	3	3	81°	81°	4'-10"	37'-2"	¼"	38	4'-6"	2'-5½"	2'-5½"	34	29'-6"	–	–	74	4'-7"	3'-6"	3'-6"	208	21	3	9"	8"
1	2-7	FSB 12x58	VI	8500	6000	1	3	3	81°	81°	4'-10"	37'-2"	¼"	38	4'-6"	2'-5½"	2'-5½"	34	29'-6"	74	4'-8½"	–	–	3'-6"	3'-6"	208	21	3	9"	8"
2	1 & 8	FSB 12x58	VI	8500	6000	2	3	3	81°	81°	4'-10"	39'-5⅞"	¼"	40	4'-6"	2'-5½"	2'-5½"	36	29'-6"	–	–	79	4'-7"	3'-6"	3'-6"	224	19	7	9"	8"
2	2-7	FSB 12x58	VI	8500	6000	2	3	3	81°	81°	4'-10"	39'-5⅞"	¼"	40	4'-6"	2'-5½"	2'-5½"	36	29'-6"	79	4'-8½"	–	–	3'-6"	3'-6"	224	19	7	9"	8"
3	1	FSB 12xVARY	VI	8500	6000	3	3	3	81°	81°	VARY	39'-7½"	¼"	41	VARY	VARY	VARY	36	VARY			79	VARY	VARY	VARY	224	19	7	9"	8"
3	2-6	FSB 12xVARY	VI	8500	6000	3	3	3	81°	81°	VARY	VARY	¼"	41	VARY	VARY	VARY	36	VARY	79	VARY			VARY	VARY	224	19	7	9"	8"
3	7	FSB 12x58	VI	8500	6000	2	3	3	81°	81°	4'-10"	39'-5⅜"	¼"	40	4'-6"	2'-5½"	2'-5½"	36	29'-6"	79	4'-8½"			3'-6"	3'-6"	224	19	7	9"	8"
3	8	FSB 12x58	VI	8500	6000	2	3	3	81°	81°	4'-10"	39'-5⅜"	¼"	40	4'-6"	2'-5½"	2'-5½"	36	29'-6"			79	4'-7"	3'-6"	3'-6"	224	19	7	9"	8"



TYPE ① 18 STRANDS



TYPE ② 20 STRANDS



TYPE ③ 21 STRANDS

STRAND DESCRIPTION: Use 6/10 Diameter, Grade 270, Low Relaxation Carbon Steel Strands stressed at 43.9 kips each. Area per strand equals 0.217 sq. in.

STRAND PATTERNS

Notes:

1. Work this sheet with Standard Plans Index 450-450 through 450-451.
2. For Span 3 Beams 3-1 through 3-6, see sheet "Superstructure Details (5 of 5)".

STRAND DEBONDING LEGEND

- – fully bonded strands.

NOTE: On beams with skewed ends the debonded length shall be measured along the debonded strand.

DIMENSION NOTES

* All longitudinal beam dimensions shown on this sheet with a single asterisk (*) are measured along the top of beam at the centerline. Dimension "R" is calculated at mid-height of the beam.

BRIDGE NO. XXXXXX

REVISIONS					
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THE CITY OF POMPANO BEACH

ROAD NO.	COUNTY
SE 6TH TERRACE	BROWARD

SHEET TITLE: SUPERSTRUCTURE DETAILS (4 OF 5)

REF. DWG. NO.

PROJECT NAME: SE 6TH TERRACE BRIDGE REPLACEMENT

SHEET NO. B-33

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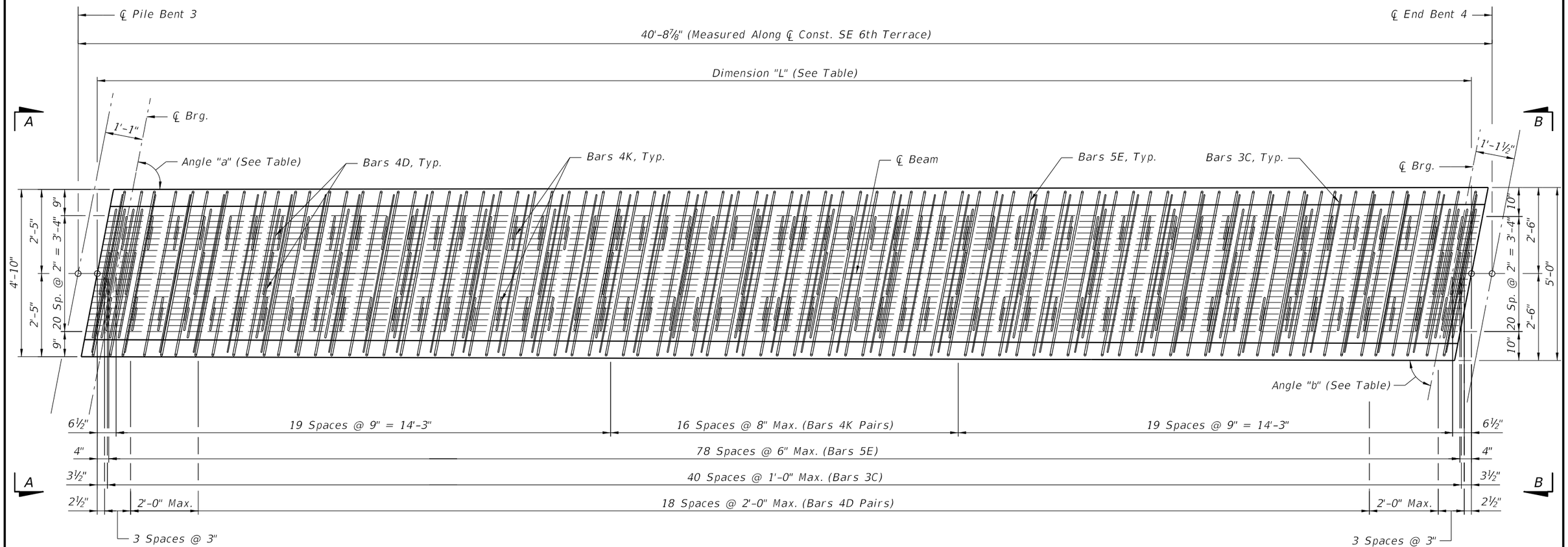


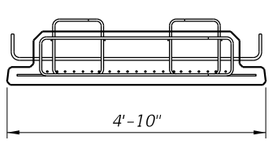
PLAN - SPAN 3 (FSB 12 X VARY)

FSB 3-1 shown, FSB 3-2 through FSB 3-6 similar

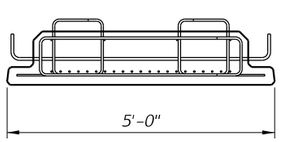
Notes:

1. *Work this sheet with Standard Plans Index 450-450 through 450-451.*
2. *For clarity, see sheet "Framing Plan (3 of 3)" for Span 3 Beam 3-1 through Beam 3-6.*

Beam Variable Table			
Beam No	L	a	b
3-1	39'-7½"	78°55'58"	79°10'23"
3-2	39'-7⅛"	79°10'23"	79°24'49"
3-3	39'-6¾"	79°24'49"	79°39'16"
3-4	39'-6⅜"	79°39'16"	79°53'45"
3-5	39'-5⅞"	79°53'45"	80°08'15"
3-6	39'-5⅜"	80°08'15"	80°22'46"



SECTION A-A



SECTION B-B

BRIDGE NO. XXXXXX

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THE CITY OF POMPANO BEACH

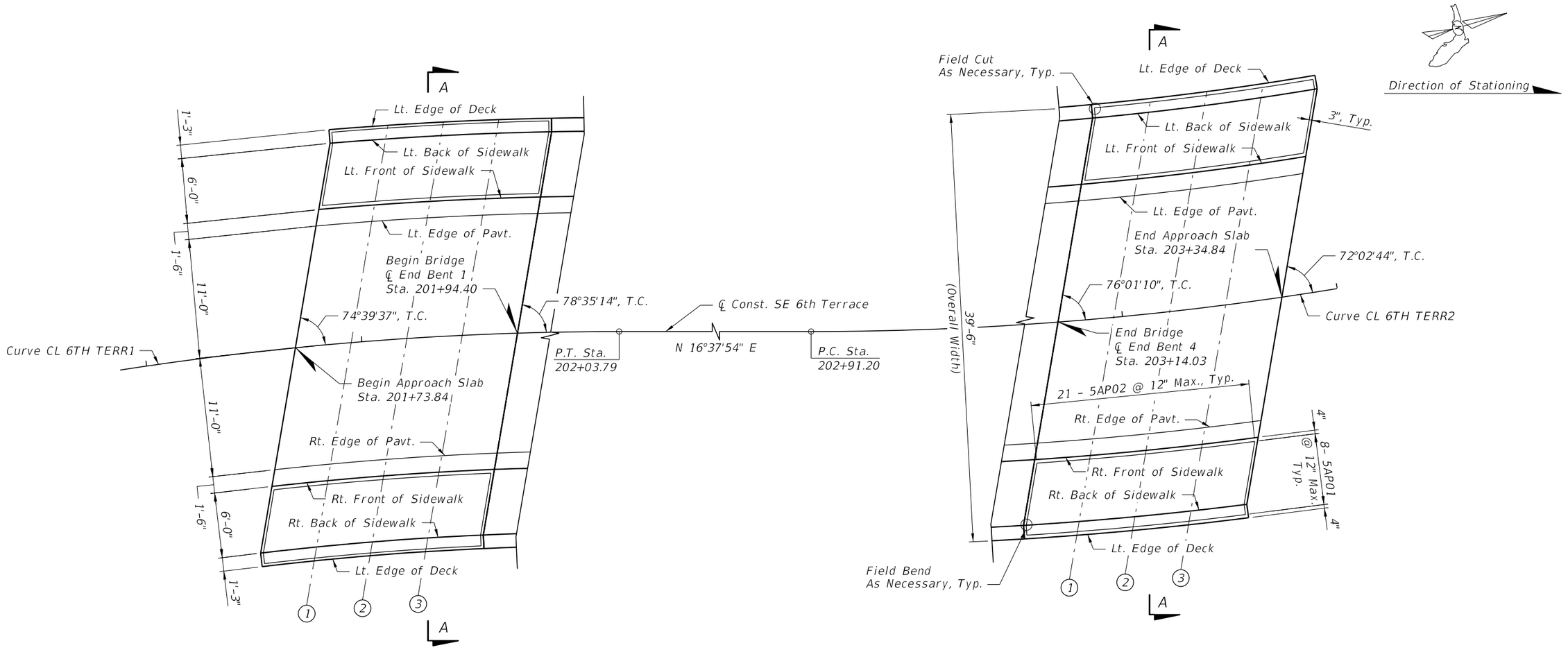
ROAD NO.	COUNTY
SE 6TH TERRACE	BROWARD

SHEET TITLE: SUPERSTRUCTURE DETAILS (5 OF 5)

REF. DWG. NO.

PROJECT NAME: SE 6TH TERRACE BRIDGE REPLACEMENT

SHEET NO. B-34



Location	Begin Apprh. Slab	BEGIN APPROACH SLAB			℄ EB 1
		1	2	3	
Lt. Edge of Deck	7.635	7.937	8.253	8.583	8.927
Lt. Back of Sidewalk	7.641	7.944	8.261	8.591	8.936
Lt. Edge of Pavement	7.671	7.976	8.295	8.629	8.977
Lt. Edge of Travel Lane	7.678	7.983	8.303	8.638	8.987
℄ Construction	7.725	8.034	8.358	8.698	9.054
Rt. Edge of Travel Lane	7.324	7.636	7.965	8.310	8.672
Rt. Edge of Pavement	7.269	7.581	7.911	8.257	8.620
Rt. Back of Sidewalk	7.046	7.360	7.691	8.040	8.407
Rt. Edge of Deck	6.999	7.313	7.645	7.995	8.362

Location	℄ EB 2	END APPROACH SLAB			End Apprh. Slab
		1	2	3	
Lt. Edge of Deck	11.932	11.614	11.254	10.852	10.411
Lt. Back of Sidewalk	11.976	11.662	11.307	10.910	10.473
Lt. Edge of Pavement	12.182	11.888	11.554	11.180	10.767
Lt. Edge of Travel Lane	12.232	11.943	11.614	11.246	10.839
℄ Construction	12.589	12.331	12.037	11.707	11.341
Rt. Edge of Travel Lane	12.486	12.256	11.993	11.696	11.367
Rt. Edge of Pavement	12.470	12.244	11.985	11.693	11.368
Rt. Back of Sidewalk	12.406	12.193	11.949	11.673	11.366
Rt. Edge of Deck	12.392	12.182	11.941	11.668	11.364

FINISH GRADE ELEVATIONS

(Note: Elevations are provided to top of riding surface)

Note:
1. For Horizontal Curve information, refer to "Plan and Elevation" sheet.
2. For Section A-A, refer to "Approach Slabs (2 of 2)" sheet.

BRIDGE NO. XXXXXX

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THE CITY OF POMPANO BEACH

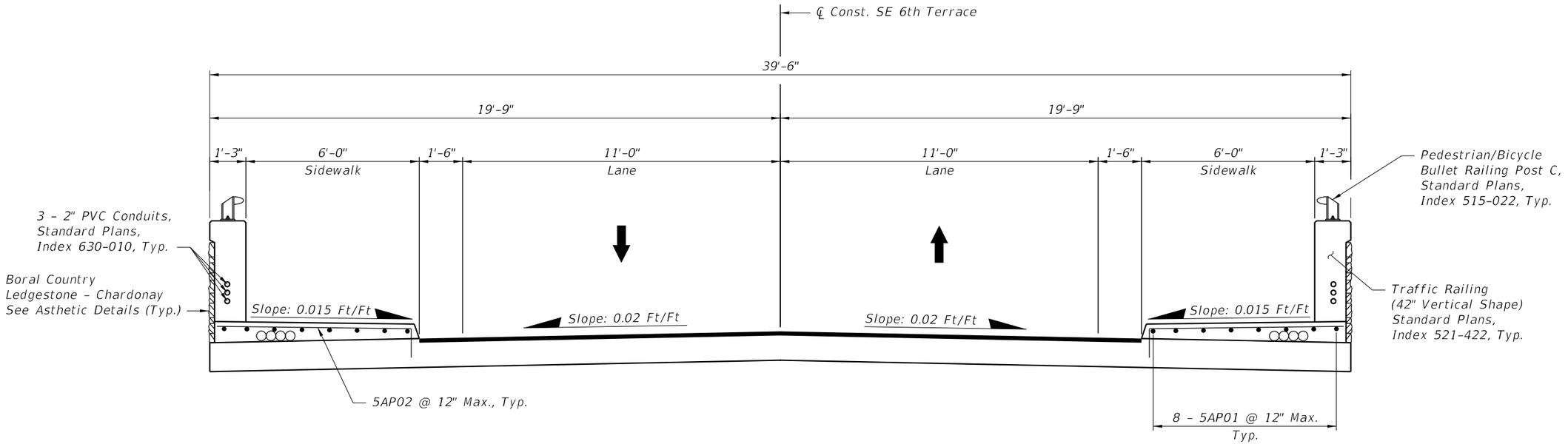
ROAD NO.	COUNTY
SE 6TH TERRACE	BROWARD

SHEET TITLE: APPROACH SLAB (1 OF 2)

REF. DWG. NO.

PROJECT NAME: SE 6TH TERRACE BRIDGE REPLACEMENT

SHEET NO. B-35



SECTION A-A
TYPICAL SECTION THRU APPROACH SLAB

BRIDGE NO. XXXXXX

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THE CITY OF POMPANO BEACH

ROAD NO.	COUNTY
SE 6TH TERRACE	BROWARD

SHEET TITLE: APPROACH SLAB (2 OF 2)

REF. DWG. NO.:

PROJECT NAME: SE 6TH TERRACE BRIDGE REPLACEMENT

SHEET NO.: B-36

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MARK		LENGTH	NO	TYP	STY		B	C	D	E	F	H	J	K	N	Ø
SIZE	DES	FT IN	BARS	BAR	A	G	FT IN FR	FT IN FR	FT IN FR	FT IN FR	FT IN FR	FT IN FR	FT IN FR	FT IN FR	NO	ANG
LOCATION APPROACH SLABS											NO. REQUIRED = 2					
5	A1	20- 1	41	3			20- 1	300- 0								
8	A2	20- 1	54	3			20- 1	300- 0								
5	B	41- 0	49	1			41- 0									
5	AP01	20- 1	16	3			20- 1	300- 0								
5	AP02	7- 9	42	10			6- 9	1- 0								
LOCATION SUPERSTRUCTURE											NO. REQUIRED = 1					
5	S01	37-11	100	1			37-11									
5	S02	40- 2	200	1			40- 2									
5	S03	39- 9	247	1			39- 9									
4	S04	4- 3	1624	4	4	4	0-10	0-11								
4	S05	2- 4	482	10			1- 6	0-10								
4	S06	3- 0	324	10			1-10	1- 2								
5	S07	7- 8	242	10			7- 0	0- 8								
LOCATION END BENTS											NO. REQUIRED = 1					
8	A01	40-11	7	1			40-11									
5	A02	40-11	2	1			40-11									
8	A03	8- 8	24	11			6- 0	1- 4	1- 4							
5	A04	11-10	135	4	4	4	2- 4	3- 1								
5	A05	7- 9	36	11			3- 1	2- 4	2- 4							
8	A06	2- 4	6	10			1- 0	1- 4								
5	A07	3-11	16	10			1- 0	2-11								
5	A08	4- 9	12	11			3- 1	0-10	0-10							
4	A09	3- 1	4	1			3- 1									
6	A10	4- 7	43	23			2- 0	0- 2 1/4	2- 0							
8	A11	42- 7	7	1			42- 7									
5	A12	42- 7	2	1			42- 7									
8	A13	3- 3	6	10			1-11	1- 4								
6	A14	5- 0	6	12			2- 6	2- 6								
6	A15	5- 0	6	15			2- 6	2- 6								
8	A16	21- 6	7	1			21- 6									
5	A17	21- 6	8	1			21- 6									
8	A18	19- 4	3	10			18- 0	1- 4								
8	A19	22- 8	7	1			22- 8									
5	A20	22- 8	8	1			22- 8									
8	A21	20-10	3	10			19- 6	1- 4								
5	A22	5- 8	47	11			0- 6	2- 7	2- 7							
LOCATION PILE BENTS											NO. REQUIRED = 2					
8	B01	40- 7	9	1			40- 7									
5	B02	40- 7	2	1			40- 7									
8	B03	8- 8	20	11			6- 0	1- 4	1- 4							
6	B04	11- 2	72	4	4	4	2- 4	2- 3								
6	B05	7- 8	15	11			3- 0	2- 4	2- 4							
8	B06	2- 2	10	10			0-10	1- 4								
5	B07	3- 9	8	10			0-10	2-11								
5	B08	4- 8	6	11			3- 0	0-10	0-10							
4	B09	3- 0	2	1			3- 0									

END OF LIST

BRIDGE NO. XXXXXX

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS

Date	By	Description	Date	By	Description

Kimley»Horn
Registration No. 35106
Jamea Potter Long, P.E.
P.E. License No. 58677
11601 Kew Gardens Ave, Suite 200
Palm Beach Gardens, Florida 33410

Drawn By: RCA 03-24
Checked by: JPL 03-24
Designed by: DAM 03-24
Checked by: JPL 03-24

THE CITY OF POMPANO BEACH

ROAD NO.	COUNTY
SE 6TH TERRACE	BROWARD

SHEET TITLE: REINFORCING BAR LIST

REF. DWG. NO.

PROJECT NAME: SE 6TH TERRACE BRIDGE REPLACEMENT

SHEET NO. B-37

Diego.Madueno 7/25/2025 11:23:37 AM K:\WPB_Design\040985062_Pompano - SE 6th Terr\040985062\struct\BI\BIRebarList01.dgn

Load Rating Summary Details for Prestressed Concrete Bridges (Flat Slab and Deck/Girder)

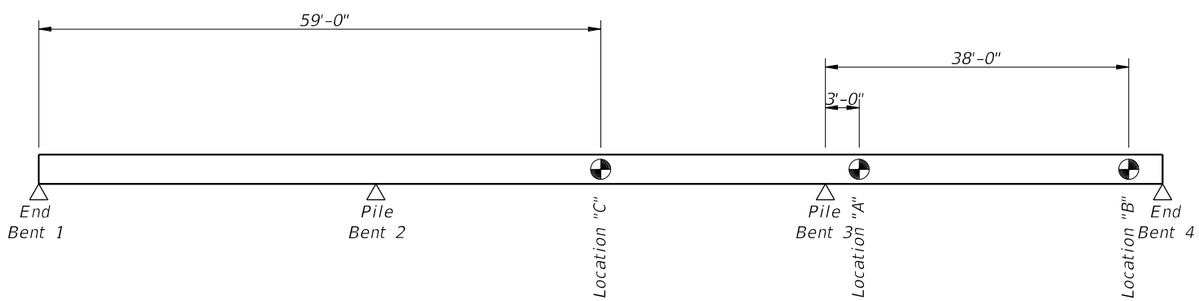
Table Date 07-01-15

Table 2 - LRFR

Level	Limit State	Vehicle	Weight (tons)	Load Factors			Moment (Strength) or Stress (Service)					Shear (Strength)					
				LL	DC	DW	Distribution Factor (DF)	Rating Factor	Tons	Location	Dimension	Distribution Factor (DF)	Rating Factor	Tons	Location	Dimension	Comments: Interior/exterior beam DF method if other than LRFD. Other appropriate comments
Design Load Rating	Strength I (Inv)	HL-93	N/A	1.75	1.25	1.50	0.41	1.48	N/A	C	59'-0"	0.80	3.85	N/A	A	3'-0"	Exterior beam controls
	Strength I (Op)	HL-93	N/A	1.35	1.25	1.50	0.41	1.92	N/A	C	59'-0"	0.80	4.99	N/A	B	27'-0"	Exterior beam controls
	Service III (Inv)	HL-93	N/A	0.80	1.00	1.00	0.41	1.13	N/A	C	59'-0"	N/A	N/A	N/A	N/A	N/A	Exterior beam controls
Permit Load Rating	Strength II	FL120	60.0	1.35	1.25	1.50	0.41	1.45	87.14	C	59'-0"	0.80	3.48	208.62	A	3'-0"	Exterior beam controls

General Notes:
1. This table is based on the requirements established in the January 2024 "Structures Manual".

Table 2 Notes [Notes Date 07-01-15]:
1. Permit capacity is determined by using the permit vehicle in all lanes.
2. Service III Design Inventory tensile stress limits = $3\sqrt{f'c}$ or $6\sqrt{f'c}$.
3. Has the AASHTO LRFD Specifications Article 5.8.3.5 longitudinal reinforcement been satisfied? ☒ Yes ☐ No



RATING LOCATIONS

Abbreviations:

Inv - Inventory

Op - Operating

BRIDGE NO. XXXXXX

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS					
Date	By	Description	Date	By	Description

Kimley»Horn
Registration No. 35106
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Checked by: JPL 03-24
Designed by: DAM 03-24
Checked by: JPL 03-24

THE CITY OF POMPANO BEACH

ROAD NO.	COUNTY
SE 6TH TERRACE	BROWARD

SHEET TITLE: LOAD RATING TABLE

REF. DWG. NO.

PROJECT NAME: SE 6TH TERRACE BRIDGE REPLACEMENT

SHEET NO. B-38

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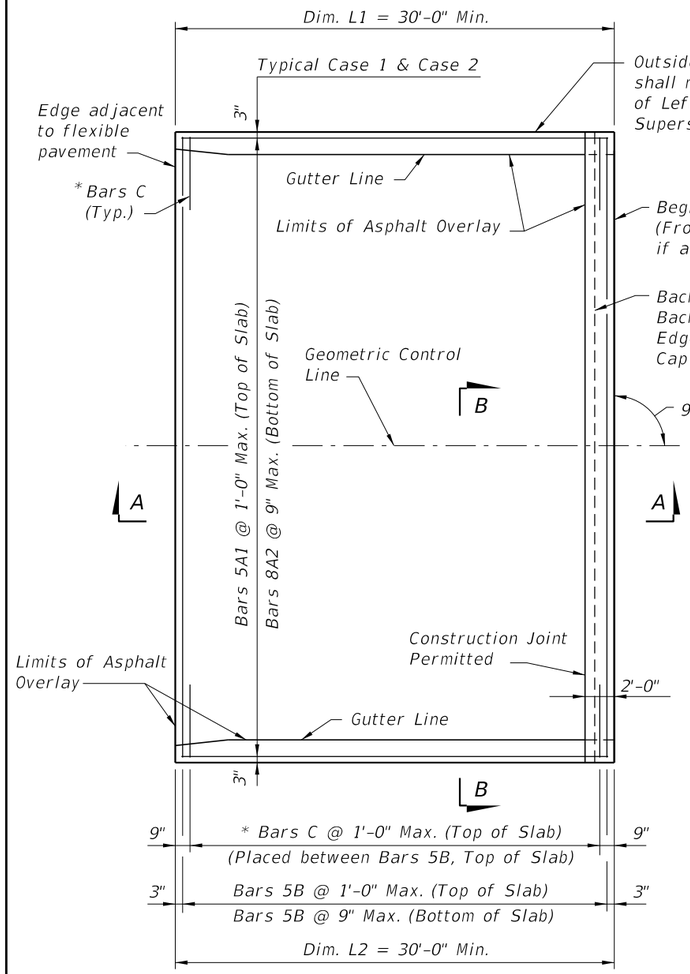
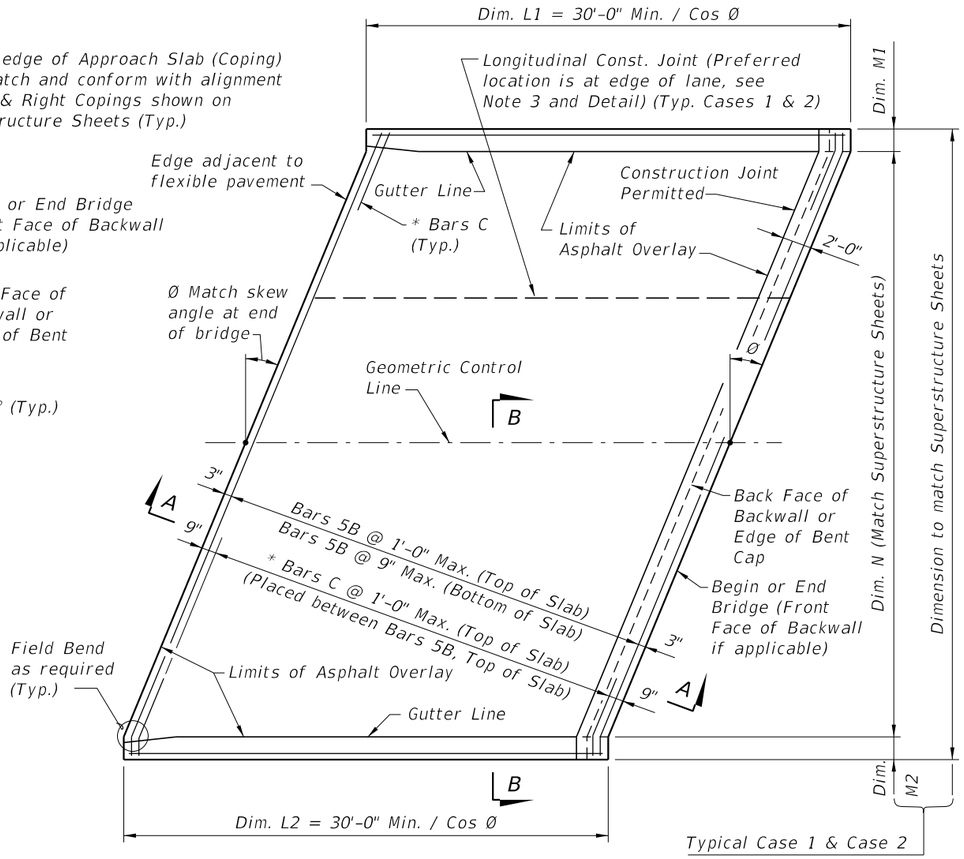


PLAN VIEW (CASE 1)



PLAN VIEW (CASE 2)

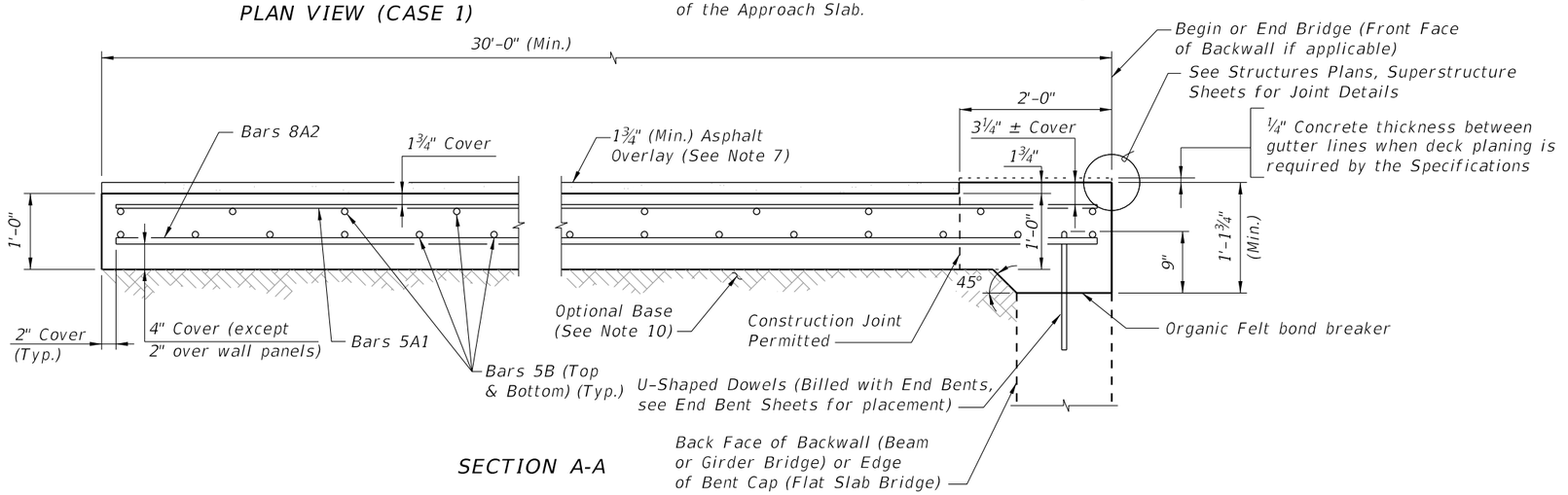
* NOTE: Bars C are required as shown when the 36" or 42" Single-Slope Traffic Railings, or the Traffic Railing/Noise Wall, are used at the edge of the Approach Slab.

GENERAL NOTES

1. SURFACE TREATMENT: As an option to Class 4 Floor Finish (Bridge Floor Grooving) per Section 400 a hand tined or heavy broomed finish may be permitted on the concrete portion of the riding surface. Sidewalk areas shall receive a broomed finish. The top surface of the concrete beneath the asphalt overlay shall be raked.
2. CONDUIT: If required, see Structures Plans for Conduit Details.
3. When a longitudinal construction joint is necessary or allowed by the Engineer, the transverse steel shall be extended as shown in the Longitudinal Construction Joint Detail.
4. The plan view for CASE 1 applies when the skew angle (Ø) = 0°. Relevant details also apply to CASE 2.
5. The plan view for CASE 2 applies where the skew angle (Ø) is > 0°. The slab shown represents a skew to the right for an approach slab at begin bridge; approach slab at the end of bridge or a left skew shall be treated similarly.
6. Deformed WWR must meet the requirements of Specification Section 931.
7. Continue the asphalt pavement over the approach slab and match the friction course type used on the roadway.
8. Approach slabs shown in Plan View Cases 1 and 2 represent a typical approach slab with edge barriers and no sidewalks. Provide railings, parapets and raised sidewalks as detailed in the Contract Plans.
9. PAYMENT: Deformed WWR for the edge of Approach Slabs on retaining walls is not included in the estimated quantity for reinforcing steel and is considered incidental to the work.
10. See Roadway Plans for Asphalt Overlay and Optional Base details and quantities.

CROSS REFERENCES:

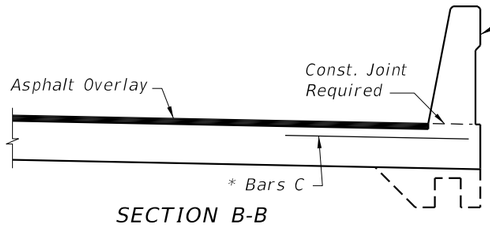
For Section B-B, Longitudinal Construction Joint Detail and Approach Slab Details see Sheet 2.



SECTION A-A

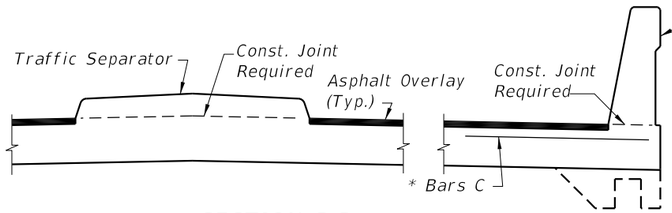
10/15/2023 11:13:15 AM

LAST REVISION	REVISION	DESCRIPTION:			INDEX	SHEET
11/01/22			FY 2024-25 STANDARD PLANS	APPROACH SLABS (30 FT.) (FLEXIBLE PAVEMENT APPROACHES)	400-090	1 of 2



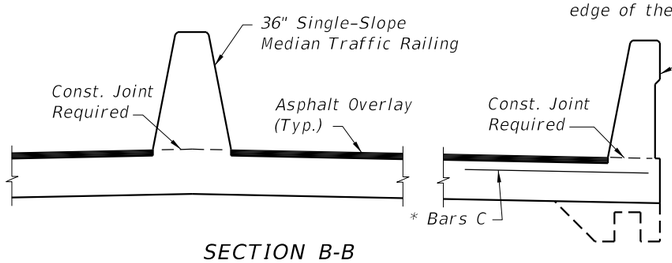
SECTION B-B
STANDARD APPROACH SLAB

NOTE:
Geometry of Traffic Railings, Pedestrian/Bicycle Railings, Traffic Separators and Sidewalks to match those on adjoining bridge.

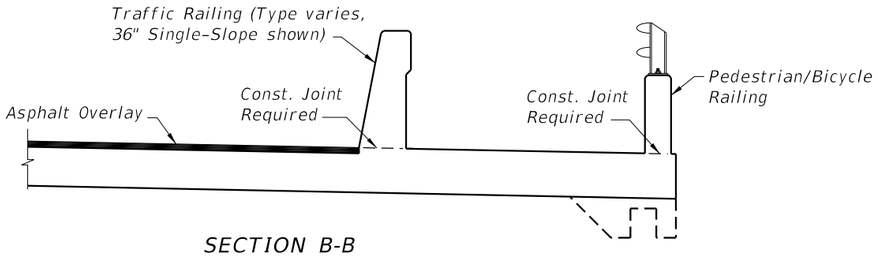


SECTION B-B
APPROACH SLAB WITH TRAFFIC SEPARATOR

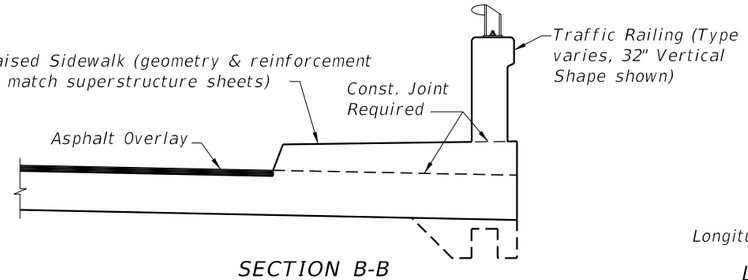
*NOTE: Bars C are required as shown when the 36" or 42" Single-Slope Traffic Railing, or the Traffic Railing/Noise Wall, are used at the edge of the Approach Slab.



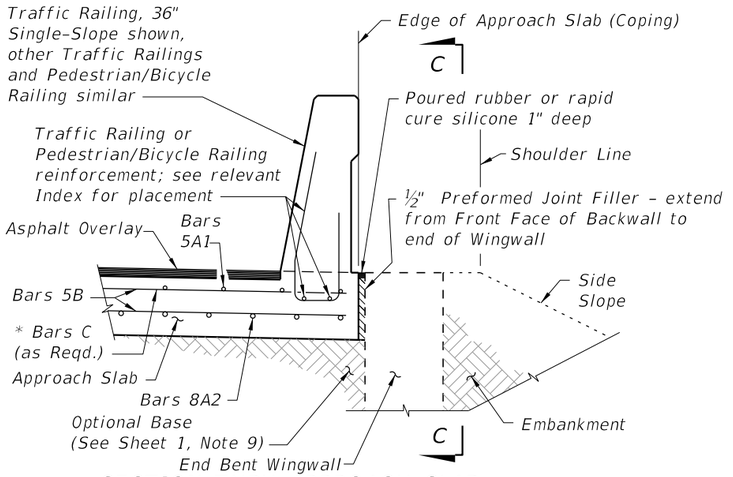
SECTION B-B
APPROACH SLAB WITH MEDIAN TRAFFIC RAILING



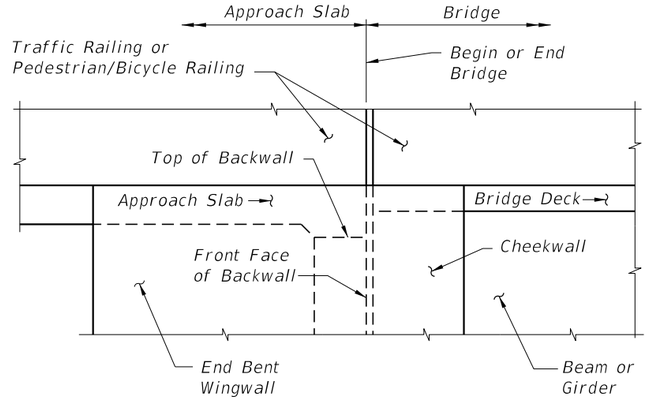
SECTION B-B
APPROACH SLAB WITH SIDEWALK



SECTION B-B
APPROACH SLAB WITH RAISED SIDEWALK

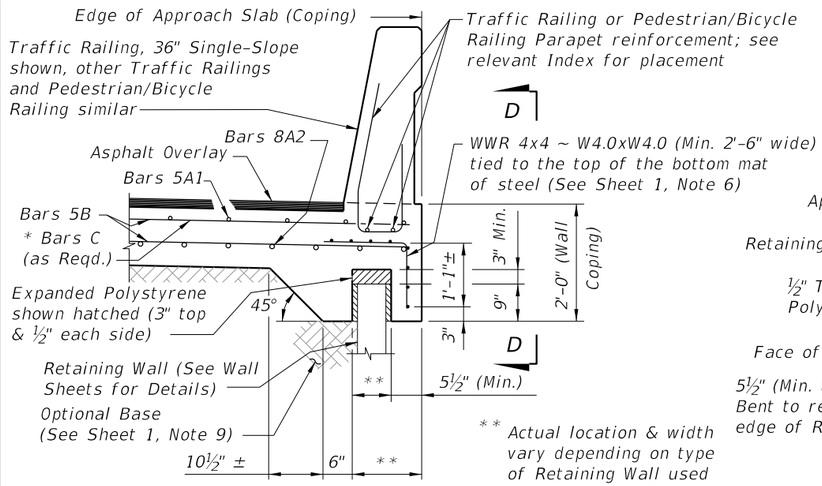


SECTION THRU APPROACH SLAB
AND END BENT WINGWALL

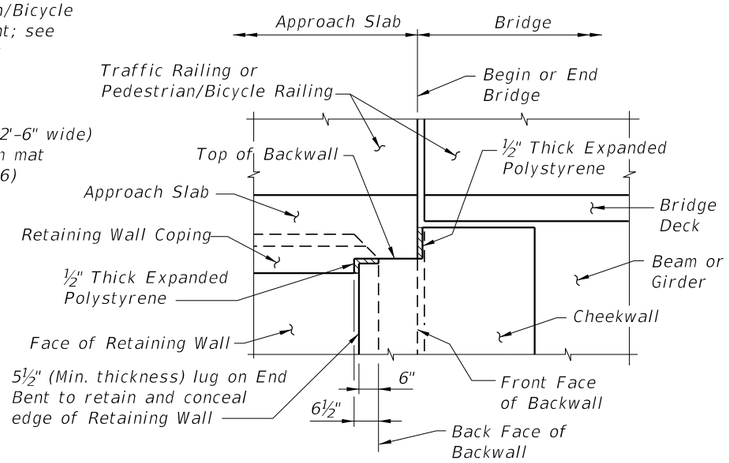


VIEW C-C AT BEGIN OR END BRIDGE (BEAM
BRIDGE SHOWN, FLAT SLAB BRIDGE SIMILAR)

APPROACH SLAB WITH WINGWALL DETAILS

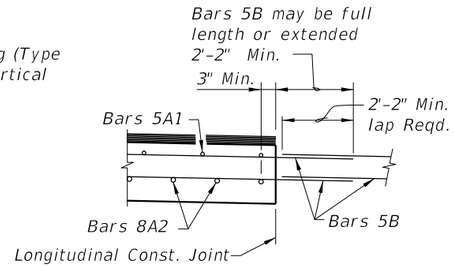


SECTION THRU APPROACH SLAB
AND RETAINING WALL

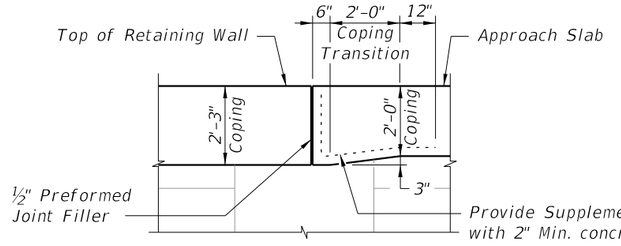


VIEW D-D AT BEGIN OR END BRIDGE (BEAM
BRIDGE SHOWN, FLAT SLAB BRIDGE SIMILAR)

APPROACH SLAB WITH RETAINING WALL DETAILS



LONGITUDINAL CONSTRUCTION
JOINT DETAIL



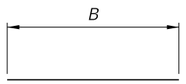
COPING TRANSITION DETAIL FOR
RETAINING WALLS WITH 2'-3" COPING HEIGHT
(Railing Not Shown For Clarity)

CROSS REFERENCES:

For location of Section B-B and Longitudinal Construction Joint see Sheet 1.

10/15/2023 11:13:23 AM

LAST REVISION	REVISION	DESCRIPTION:	FY 2024-25 STANDARD PLANS	APPROACH SLABS (30 FT.) (FLEXIBLE PAVEMENT APPROACHES)	INDEX	SHEET
11/01/17					400-090	2 of 2



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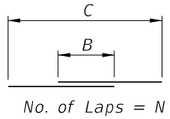

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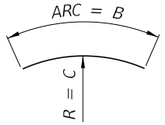

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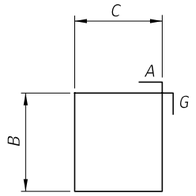

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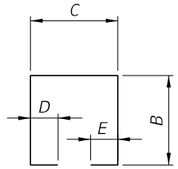

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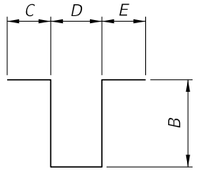

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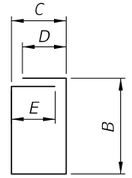

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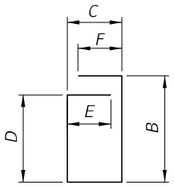

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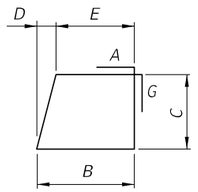

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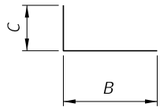

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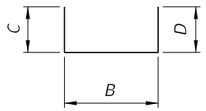

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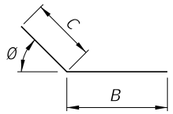

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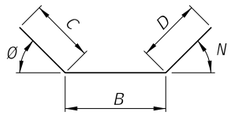

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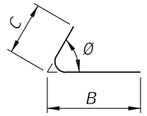

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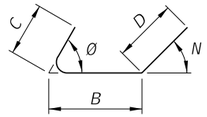

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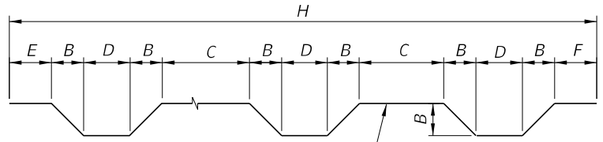

TYPE 16

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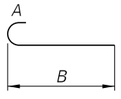
Number of D's = N-1
Number of B's = 2N-2
Number of C's = N-2
45° Typical



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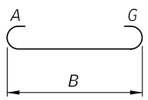

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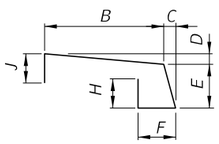

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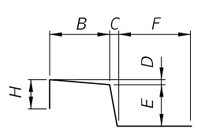

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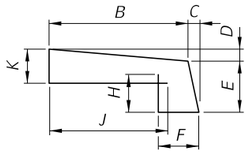

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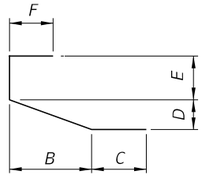
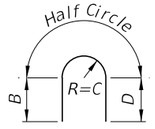


TYPE 22



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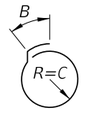
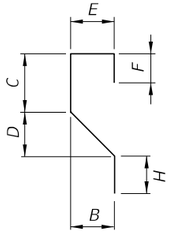


TYPE 24



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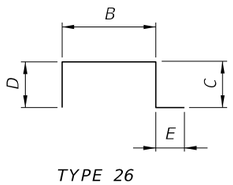

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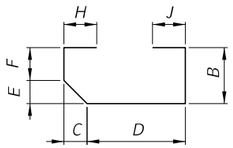

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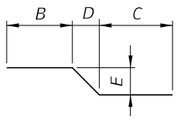

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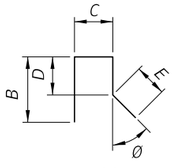

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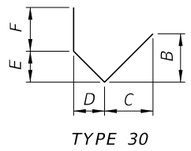

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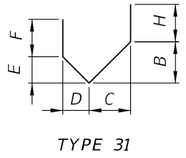

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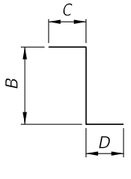

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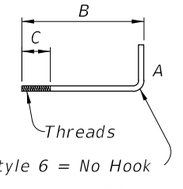
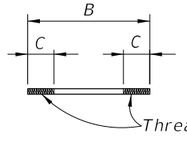


Style 6 = No Hook

TYPE 33



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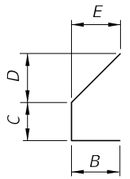

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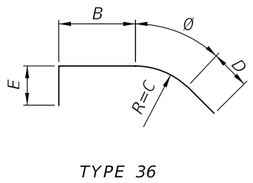
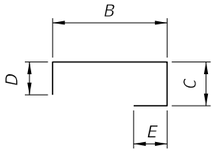


TYPE 36



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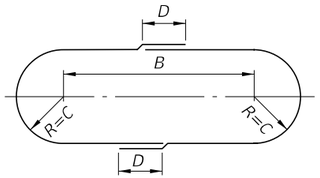

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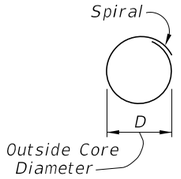
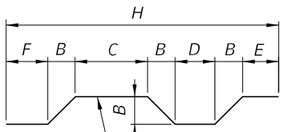


TYPE 39

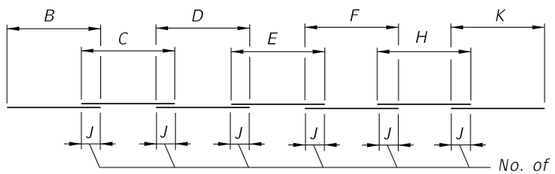
C = Pitch
B = Overall Height
N = Total number of closed turns at Top and Bottom of columns

Splices may be accomplished by lapping 1.5 turns. Cost of Channel Spacers and Splices shall be included in the Contract Unit Price for Reinf. Steel (Substructure)

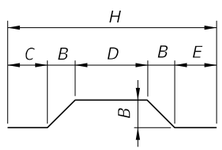


Number of Beams or Walls = N
Number of D's = N-1
Number of B's = 2N-1
Number of C's = N-1
45° Typical

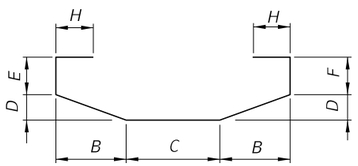
TYPE 40



TYPE 41

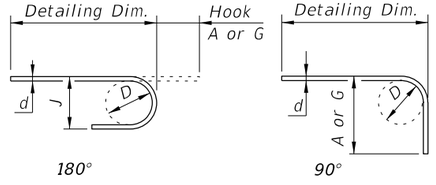


TYPE 42



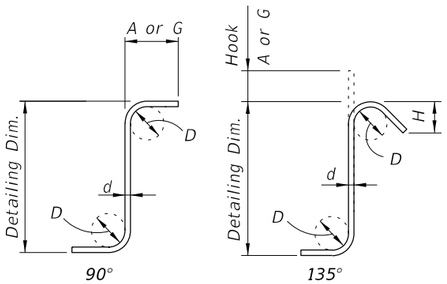
TYPE 43

HOOK DETAILS



180° 90°

BAR SIZE	D	180° HOOKS A OR G	180° HOOKS J	90° HOOKS A OR G
#3	2¼"	5"	3"	6"
#4	3"	6"	4"	8"
#5	3¾"	7"	5"	10"
#6	4½"	8"	6"	1'-0"
#7	5¼"	10"	7"	1'-2"
#8	6"	11"	8"	1'-4"
#9	9½"	1'-3"	11¾"	1'-7"
#10	10¾"	1'-5"	1'-1¼"	1'-10"
#11	12"	1'-7"	1'-2¾"	2'-0"
#14	18¼"	2'-3"	1'-9¾"	2'-7"
#18	24"	3'-0"	2'-4½"	3'-5"
STYLE		1		3



STIRRUPS (TIES SIMILAR)

STIRRUP & TIE HOOK DIMENSIONS

BAR SIZE	D	90° HOOKS A or G	135° HOOKS A or G	135° HOOKS H *
#3	1½"	4"	4"	2½"
#4	2"	4½"	4½"	3"
#5	2½"	6"	5½"	3¾"
#6	4½"	1'-0"	8"	4½"
#7	5¼"	1'-2"	9"	5¼"
#8	6"	1'-4"	10½"	6"
STYLE		4	5	

STYLE 6 = NO HOOK

* Dimension is approximate.

Hook Styles Detailed on this sheet are for Illustration Only.

Actual Hook Style for any particular bar will be shown under A or G Heading on REINFORCING BAR LIST sheet(s) in Structures Plans.

All Dimensions are out-to-out.

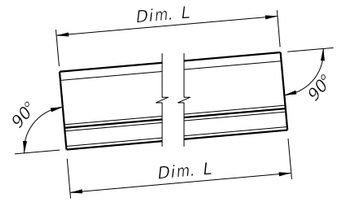
NOTE: For Bar Dimensions See REINFORCING BAR LIST Sheet(s) in Structures Plans.

10/15/2023 11:22:09 AM

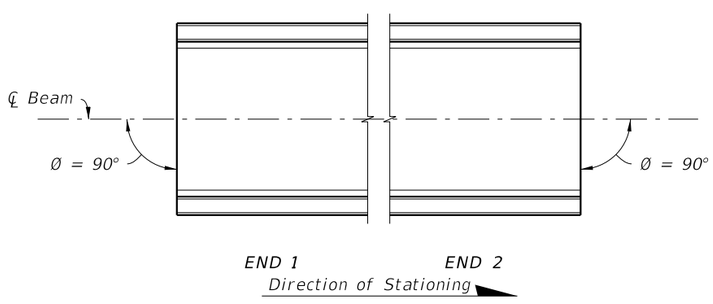
LAST REVISION	REVISION	DESCRIPTION:	FDOT	FY 2024-25 STANDARD PLANS	BAR BENDING DETAILS (STEEL)	INDEX	SHEET
11/01/20						415-001	1 of 1

FABRICATION NOTES

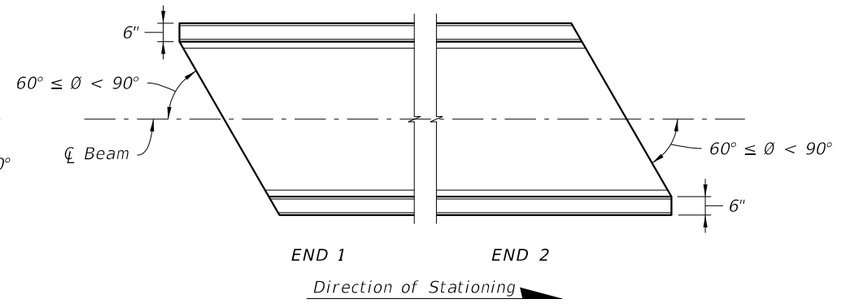
1. The abbreviated FSB designation for depth and width is FSB "depth" x "width", e.g. FSB 12 x 48.
2. All bar dimensions are out-to-out.
3. Strands N shall be ASTM A416, Grade 250 or 270, 3/8" Ø or larger strands, stressed to 10,000 lbs. each.
4. Unless otherwise noted, the minimum concrete cover for reinforcing steel shall be 2".
5. For referenced Dimensions, Angles and Case Numbers, see Florida Slab Beam – Table of Variables in Structures Plans.
6. Bars 4D1 & 6Y1 correspond to END 1, and 4D2 & 6Y2 correspond to END 2.
7. Bars 5E1 correspond to interior FSBs, and 5E2 correspond to exterior FSBs.
8. Rake the top surface of the Slab Beams transversely to provide a roughened surface with 1/4" amplitude.
9. Embedment of Safety Line Anchorage Devices are permitted to accommodate full protection systems. See shop drawings for details and spacings.



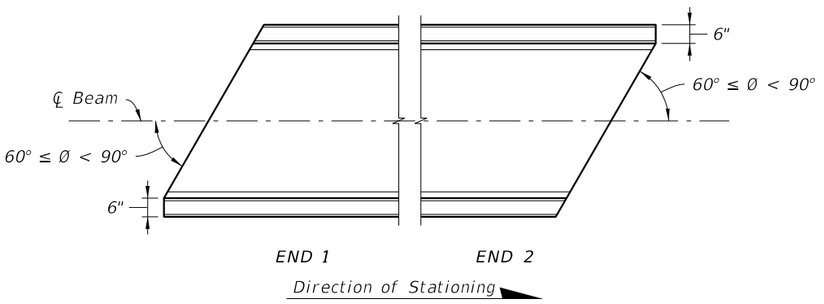
SCHEMATIC SIDE ELEVATION OF BEAM
(Beam on a Positive Grade shown; Beam on a Negative Grade or Horizontal Grade similar.)



CASE 1



CASE 2

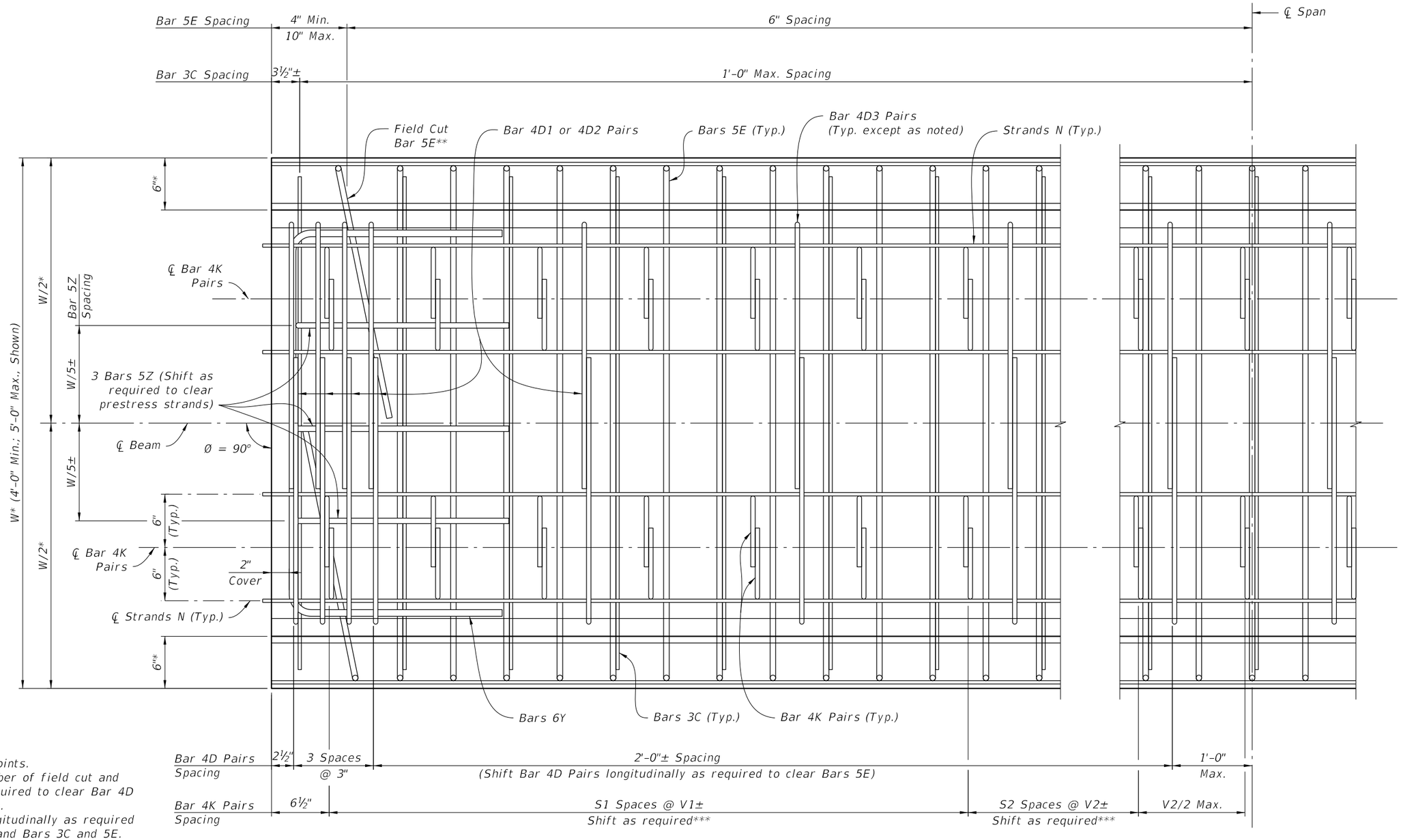


CASE 3

SCHEMATIC PLAN VIEWS AT BEAM ENDS

9/23/2021 8:32:20 AM

LAST REVISION	REVISION	DESCRIPTION:	FDOT	FY 2022-23 STANDARD PLANS	FLORIDA SLAB BEAM TYPICAL DETAILS AND NOTES	INDEX	SHEET
11/01/20						450-450	1 of 3



* Measured to Working Points.
** At Beam ends, use number of field cut and rotated Bars 5E as required to clear Bar 4D Pairs and Bar 4K Pairs.
*** Shift Bar 4K Pairs longitudinally as required to clear Bar 4D Pairs and Bars 3C and 5E.

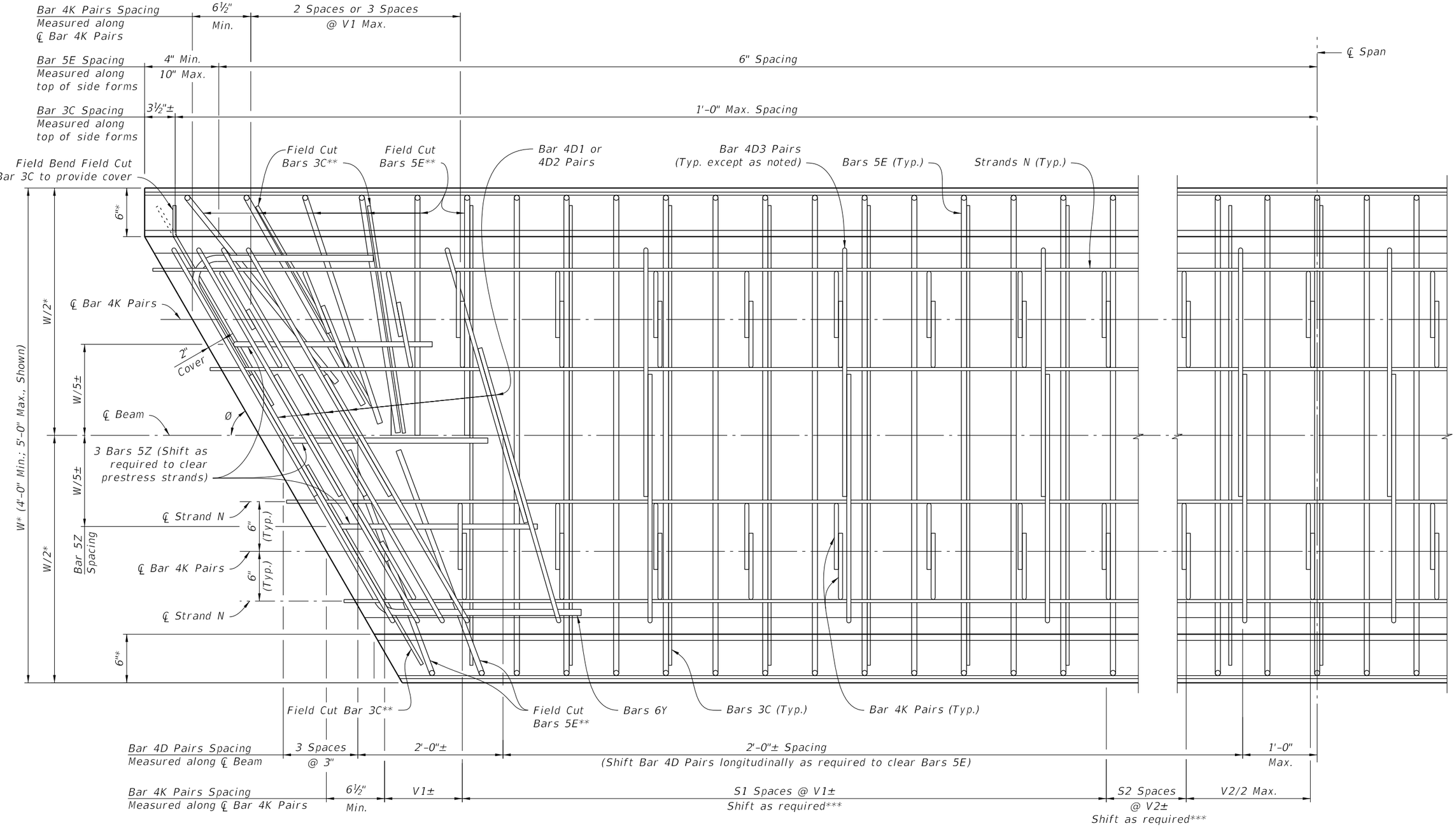
CROSS REFERENCE:
For Dimensions V1, V2 & W and number of spaces S1 & S2, see Florida Slab Beam – Table of Variables in Structures Plans.

See Indexes 450-451, 450-452 and 450-453 for Bars 5E Details.

PARTIAL PLAN VIEW Ø = 90°
(END 1 SHOWN, END 2 SIMILAR)
(INTERIOR BEAM SHOWN, EXTERIOR BEAM SIMILAR, SEE BARS 5E DETAILS)

9/23/2021 8:32:21 AM

LAST REVISION	REVISION	DESCRIPTION:	FDOT	FY 2022-23 STANDARD PLANS	FLORIDA SLAB BEAM TYPICAL DETAILS AND NOTES	INDEX	SHEET
11/01/20						450-450	2 of 3



PARTIAL PLAN VIEW 60° ≤ Ø < 90°
(END 1 SHOWN, END 2 SIMILAR)
(INTERIOR BEAM SHOWN, EXTERIOR BEAM SIMILAR, SEE BARS 5E DETAILS)

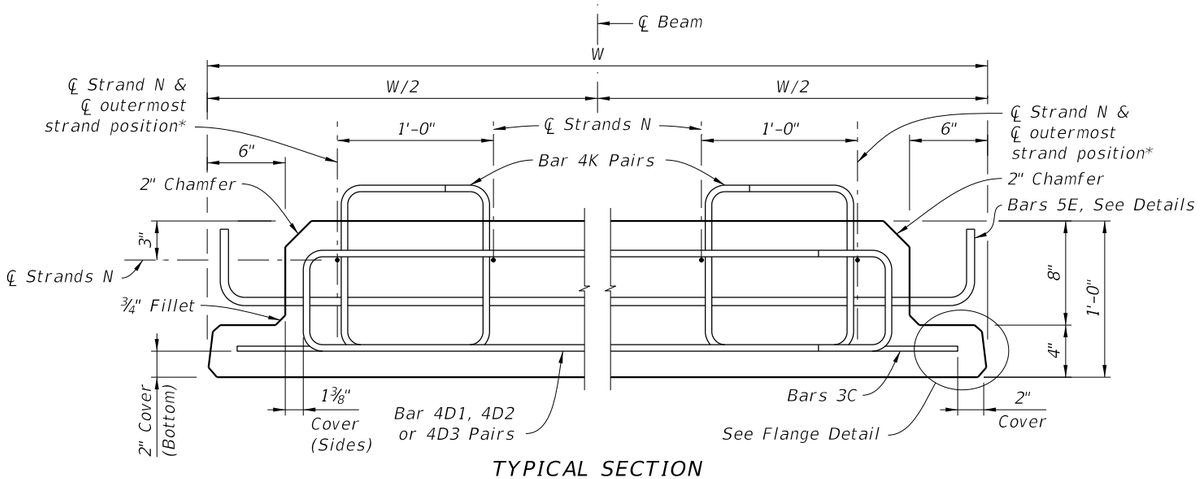
* Measured to Working Points.
** At Beam ends, use number of field cut and rotated Bars 3C and 5E as required to clear Bar 4D Pairs and Bar 4K Pairs.
*** Shift Bar 4K Pairs longitudinally as required to clear Bar 4D Pairs and Bars 3C and 5E.

CROSS REFERENCE:
For Dimensions V1, V2 & W, Angle Ø and number of spaces S1 & S2, see Florida Slab Beam – Table of Variables in Structures Plans.

See Indexes 450-451, 450-452 and 450-453 for Bars 5E Details.

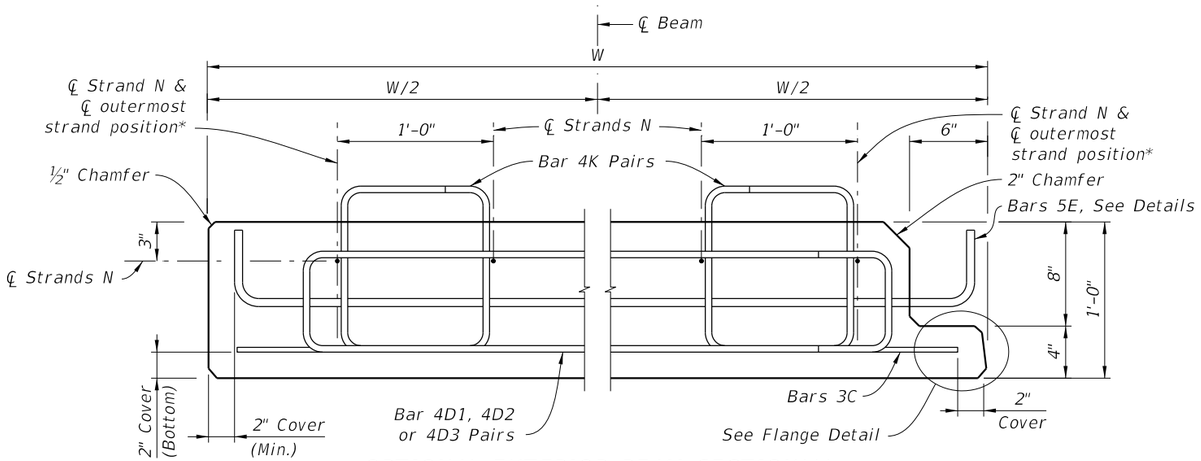
9/23/2021 8:32:39 AM

LAST REVISION	REVISION	DESCRIPTION:				
11/01/20			FDOT FY 2022-23 STANDARD PLANS	FLORIDA SLAB BEAM TYPICAL DETAILS AND NOTES	INDEX 450-450	SHEET 3 of 3



TYPICAL SECTION

(INTERIOR BEAM SHOWN; EXTERIOR BEAM SIMILAR, SEE BARS 5E DETAILS)



OPTIONAL EXTERIOR BEAM SECTION***

NOTES:

Work this Index with Index 450-450 and Florida Slab Beams – Table of Variables in Structures Plans.

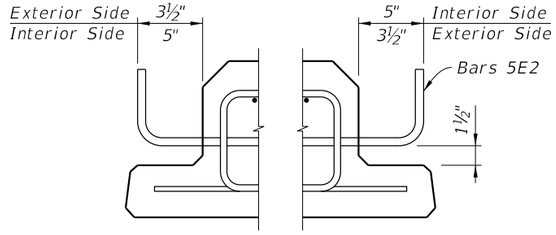
For Dimensions C, D, E, L, R, W & Y and Angle Ø, see Florida Slab Beam – Table of Variables in Structures Plans.

For referenced notes, see Index 450-450, Sheet 1.

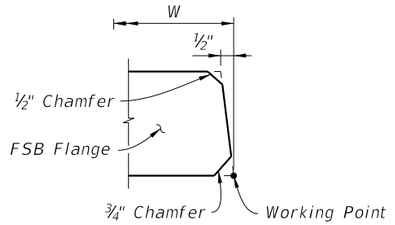
* For ℄ of outermost strand positions, see corresponding Strand Pattern on Florida Slab Beams – Table of Variables in Structures Plans.

** At the Contractor's option, the Detail as shown for Interior Beams may be used for Exterior Beams and the Bars 5E field bent on the exterior side of the Beam to provide the specified cover to the coping line.

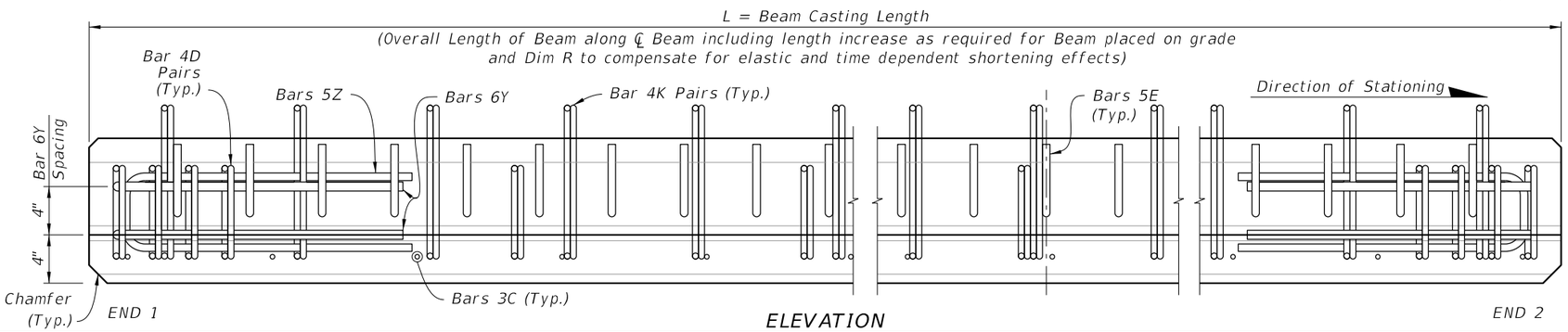
*** At the Contractor's option, the Optional Exterior Beam Section may be used.



EXTERIOR BEAMS**
BARS 5E DETAIL



FLANGE DETAIL
(TYPICAL BOTH SIDES OF FSB)

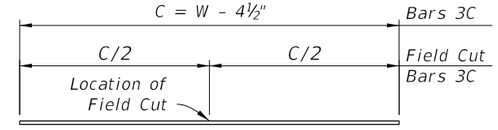


ELEVATION

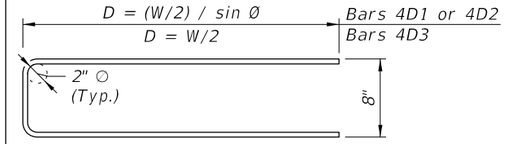
BILL OF REINFORCING BARS
FOR ONE BEAM ONLY

MARK	SIZE	NOTE NUMBERS	NUMBER REQUIRED	LENGTH (NOTE 1)
C	3		See Table	Varies
D1	4	6	10 (End 1)	Varies
D2	4	6	10 (End 2)	Varies
D3	4		See Table	Varies
E1	5	7	See Table	Varies
E2	5	7	See Table	Varies
K	4		See Table	2'-5"
N	See Note 3	3	4	Varies
Y1	6	6	2 (End 1)	Varies
Y2	6	6	2 (End 2)	Varies
Z	5		6	4'-6½"

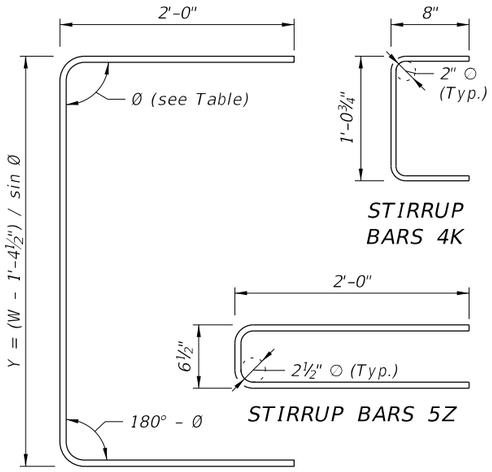
BENDING DIAGRAMS (See Note 1)



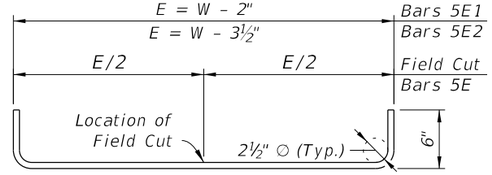
BARS 3C



STIRRUP BARS 4D1, 4D2 & 4D3



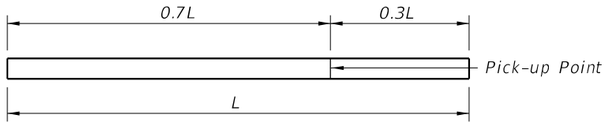
BARS 6Y1 & 6Y2



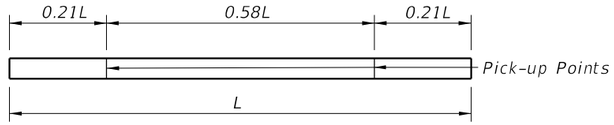
STIRRUP BARS 5E1 & 5E2

9/23/2021 8:33:04 AM

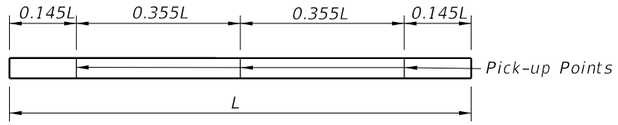
LAST REVISION	REVISION	DESCRIPTION:			INDEX	SHEET
11/01/20			FDOT FY 2022-23 STANDARD PLANS	12" FLORIDA SLAB BEAM	450-451	1 of 1



1-POINT PICK-UP

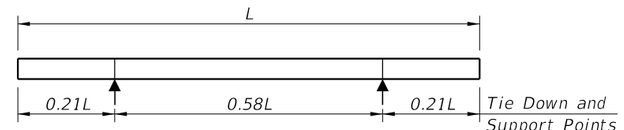


2-POINT PICK-UP

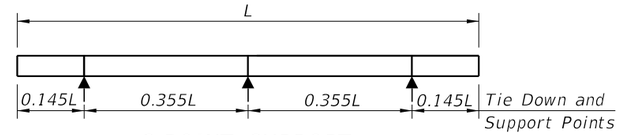


3-POINT PICK-UP

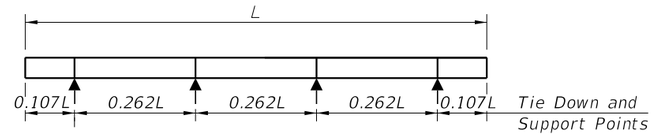
PILE PICK-UP DETAILS



2-POINT SUPPORT



3-POINT SUPPORT



4-POINT SUPPORT

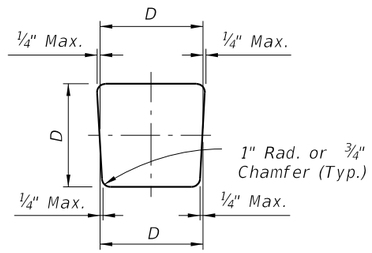
STORAGE AND TRANSPORTATION SUPPORT DETAILS

PRESTRESSED CONCRETE PILE NOTES:

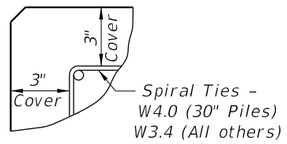
1. Work this Index with the Square Prestressed Concrete Pile Splices (Index 455-002), the Prestressed Concrete Pile Standards (Index 455-012 thru 455-030), the High Moment Capacity Square Prestressed Concrete Pile (Index 455-031) and the Pile Data Table in the Structures Plans.
2. Concrete:
   - A. Piles: Class V, except use Class VI for High Moment Capacity Pile (Index 455-031).
   - B. High Capacity Splice Collar: Class V.
   - C. See "GENERAL NOTES" in the Structures Plans for locations where the use of Highly Reactive Pozzolans is required.
3. Concrete strength at time of prestress transfer:
   - A. Piles: 4,000 psi minimum.
   - B. High Moment Capacity Piles: 6,500 psi minimum.
4. Carbon-Steel Reinforcing:
   - A. Bars: Meet the requirements of Specification Section 415.
   - B. Prestressing Strands: Meet the requirements of Specification Section 933.
   - C. Protect all strands permanently exposed to the environment and not embedded under final conditions in accordance with Specification Section 450.
5. Spiral Ties:
   - A. Tie each wrap of the spiral strand to a minimum of two corner strands.
   - B. One full turn required for spiral splices.
6. Pile Splices: Fill dowel holes and form the joint between pile sections with a Type AB Epoxy Compound in accordance with Specification Section 926. Use an Epoxy Bonding Compound or an Epoxy Mortar as recommended by the Manufacturer.

TABLE OF MAXIMUM PILE PICK-UP AND SUPPORT LENGTHS

	D = Square Pile Size (inches)					Required Storage and Transportation Detail	Pick-Up Detail
	12	14	18	24	30		
Maximum Pile Length (Feet)	48	52	59	68	87	2, 3, or 4 point	1 Point
	69	75	85	98	124	2, 3, or 4 point	2 Point
	99	107	121	140	178	3 or 4 point	3 Point



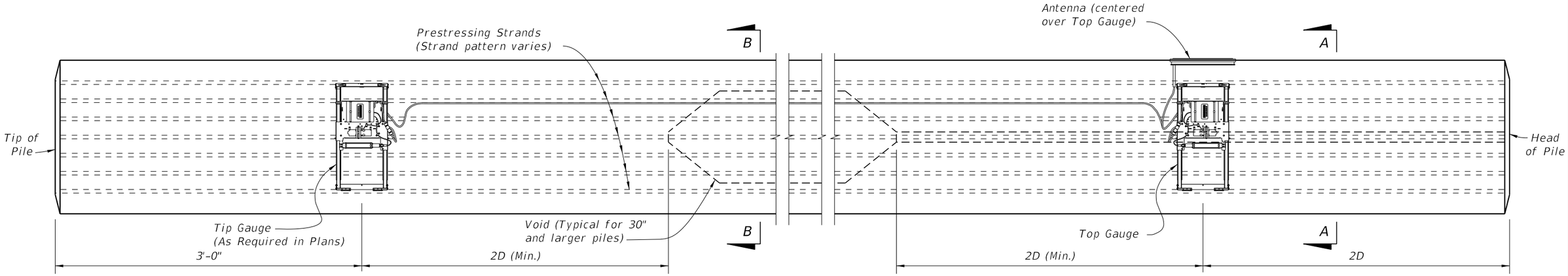
TYPICAL PILE SHAPE FOR MOLD FORMS



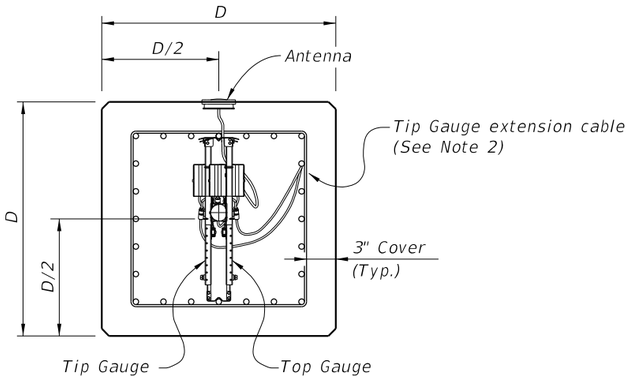
DETAIL SHOWING TYPICAL COVER

10/15/2023 11:45:13 AM

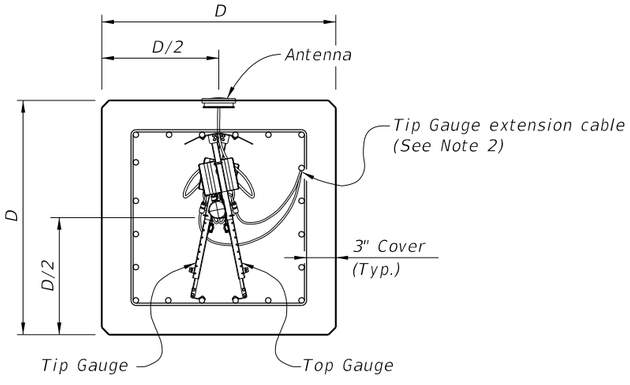
LAST REVISION	REVISION	DESCRIPTION:				
11/01/22			FDOT	FY 2024-25 STANDARD PLANS	SQUARE PRESTRESSED CONCRETE PILES - TYPICAL DETAILS & NOTES	INDEX 455-001 / SHEET 1 of 1



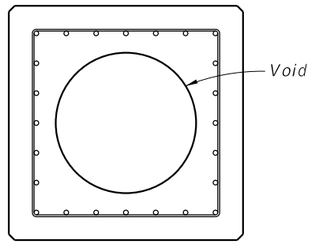
ELEVATION



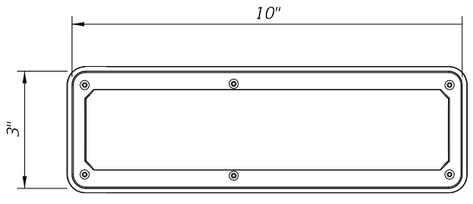
SECTION A-A
(Strand Pattern with odd number of strands per face)



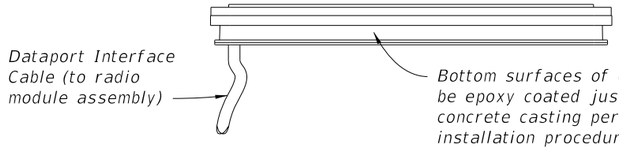
SECTION A-A
(Strand Pattern with even number of strands per face)



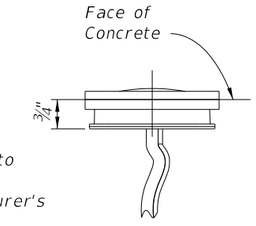
SECTION B-B
(Showing Voided Pile, Solid Pile Similar)



ANTENNA TOP VIEW



ANTENNA SIDE VIEW



ANTENNA END VIEW

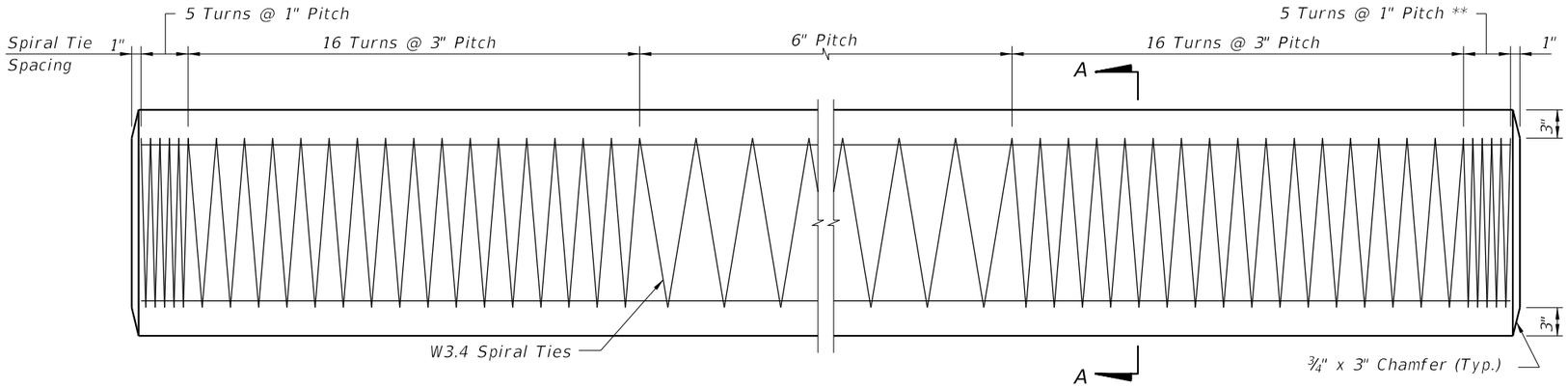
NOTES:

1. For piles 18" and larger installed for bridge foundations, provide EDC Instrumentation in accordance with Specification Section 455.

2. Attach Tip Gauge extension cable to the underside of the strand shown in Section A–A. Secure cable to strand with nylon wire ties spaced a maximum of 6ft. along cable.

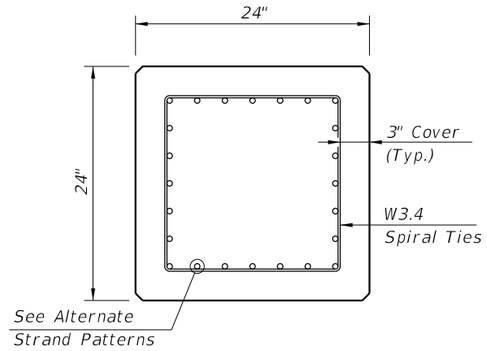
10/15/2023 11:46:08 AM

LAST REVISION	REVISION	DESCRIPTION:	FDOT	FY 2024-25 STANDARD PLANS	SQUARE PRESTRESSED CONCRETE PILES - EDC INSTRUMENTATION	INDEX	SHEET
11/01/20						455-003	1 of 1



ELEVATION

** See Note 4 on Index 455-002

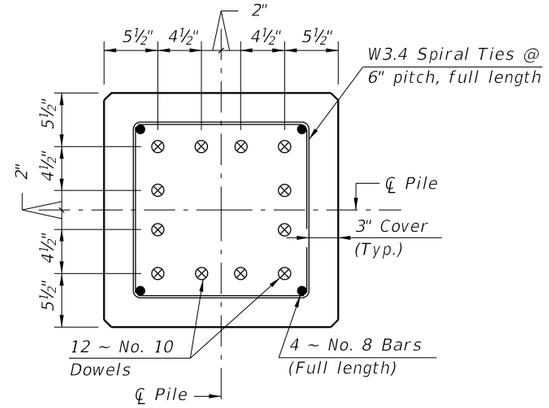


SECTION A-A

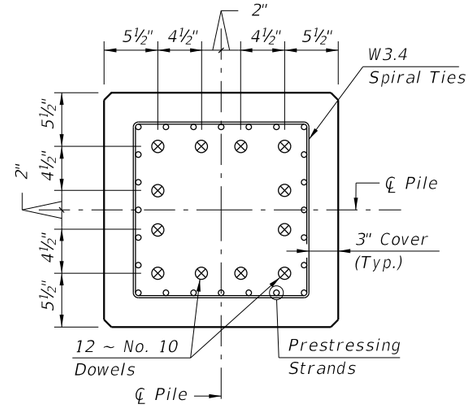
ALTERNATE STRAND PATTERNS

16 ~ 0.6" Ø, Grade 270 LRS, at 44 kips
20 ~ ½" Ø (Special), Grade 270 LRS, at 34 kips
24 ~ ½" Ø, Grade 270 LRS, at 31 kips

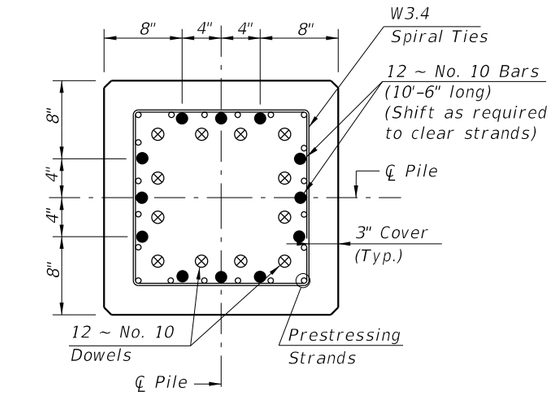
NOTES:
1. Work this Index with Index 455-001 – Typical Details and Notes for Square Prestressed Concrete Piles and Index 455-002 – Square Prestressed Concrete Pile Splices.
2. Any of the given Alternate Strand Patterns may be utilized. The strands shall be located as follows:
   Place one strand at each corner and place the remaining strands equally spaced between the corner strands.
   The total strand pattern shall be concentric with the nominal concrete section of the pile.



SECTION D-D
(See Non-Drivable Unforeseen Reinforced Precast Pile Splice Detail)



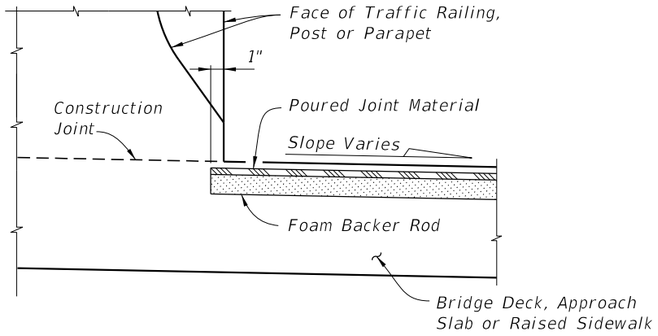
SECTION E-E
(See Drivable Prestressed Precast Pile Splice Detail)



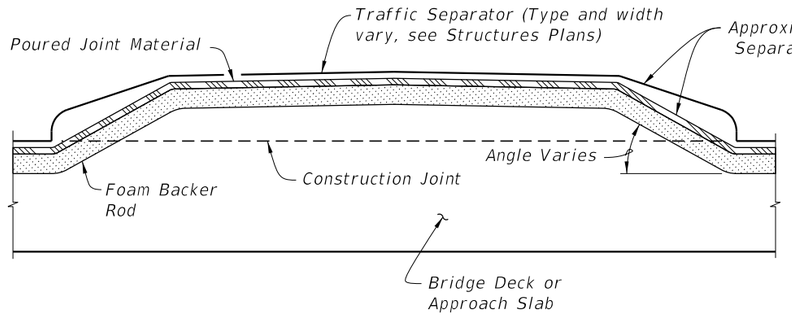
SECTION F-F
(See Drivable Preplanned Pile Splice Detail)

9/23/2021 8:38:16 AM

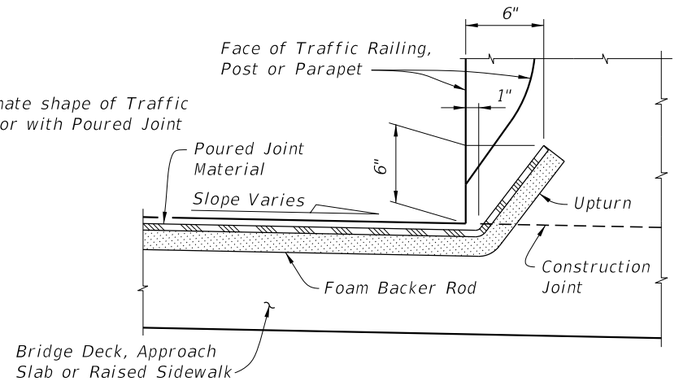
LAST REVISION	REVISION	DESCRIPTION:			INDEX	SHEET
01/01/12			FDOT FY 2022-23 STANDARD PLANS	24" SQUARE PRESTRESSED CONCRETE PILE	455-024	1 of 1



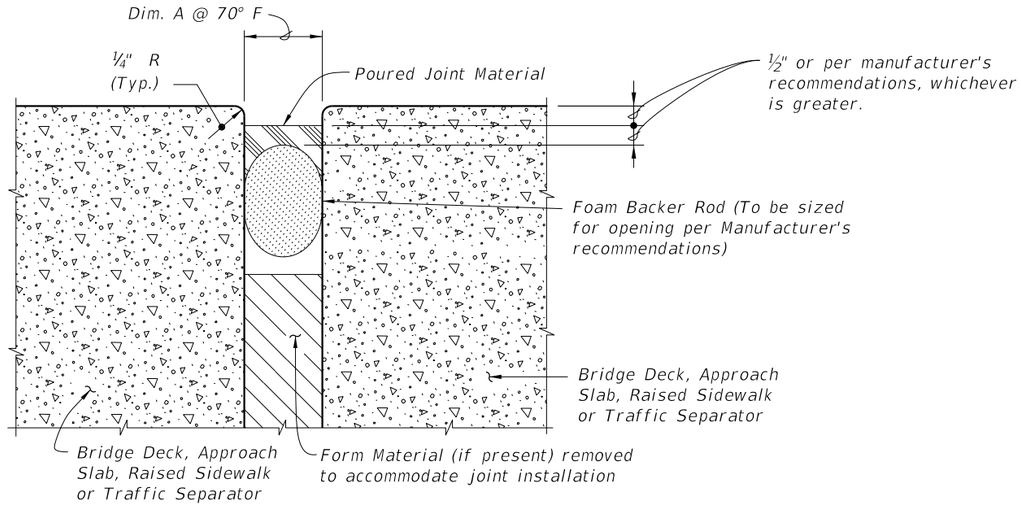
PARTIAL SECTION ALONG ℄ JOINT
JOINT TREATMENT AT HIGH SIDE OF
DECK WITH SLOPES 1% OR GREATER



PARTIAL SECTION ALONG ℄ JOINT,
JOINT TREATMENT AT TRAFFIC SEPARATOR



PARTIAL SECTION ALONG ℄ JOINT
JOINT TREATMENT AT LOW SIDE OF DECK OR
HIGH SIDE OF DECK WITH SLOPES < 1%



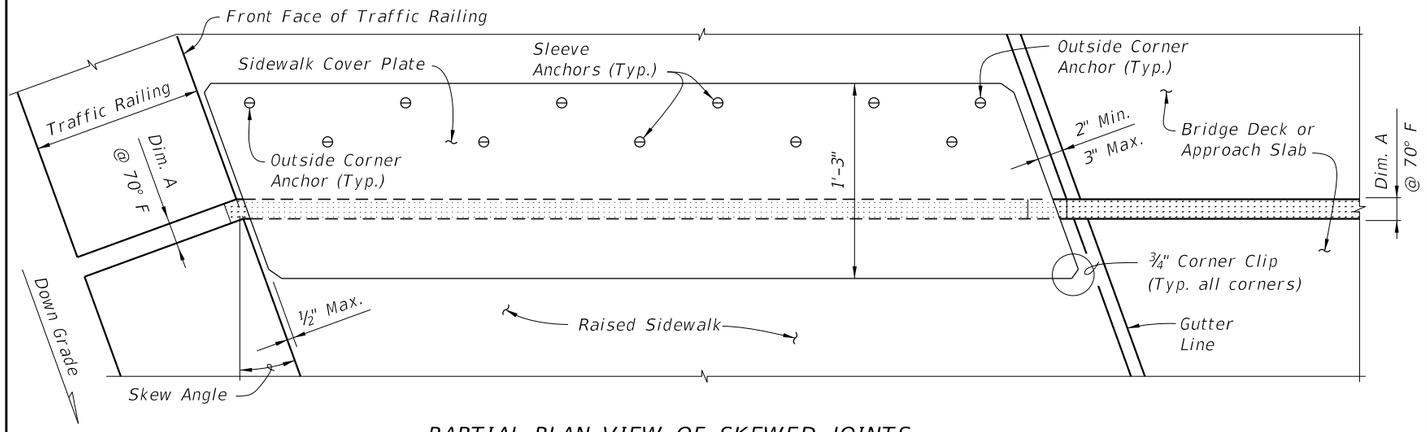
TYPICAL SECTION THRU JOINT

GENERAL NOTES:

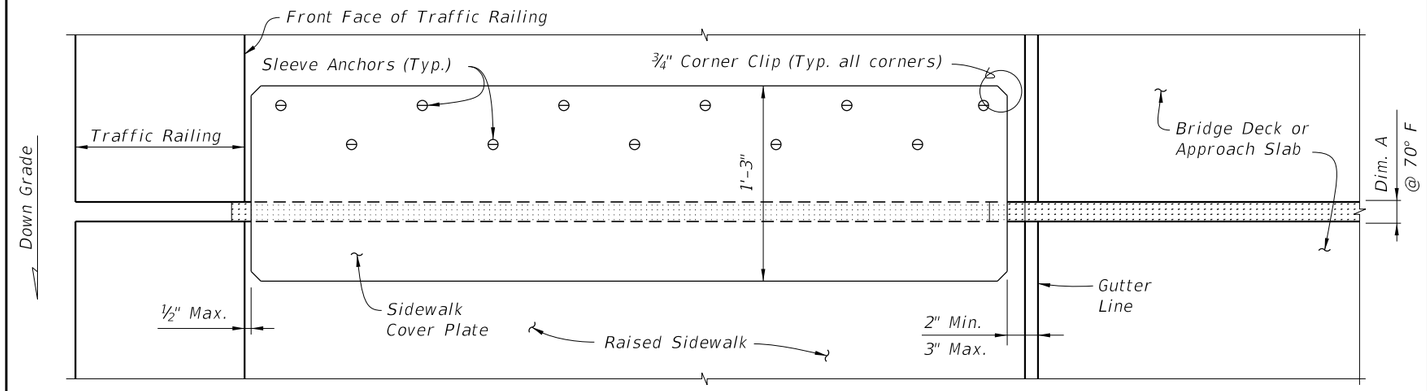
1. Furnish and install Poured Joint With Backer Rod Expansion Joint Systems in accordance with Specification Sections 458 and 932 using Type D silicone sealant material.
2. Refer to the Structures Plans, Poured Expansion Joint Data Table for Dim. A @ 70° F.

9/23/2021 8:50:20 AM

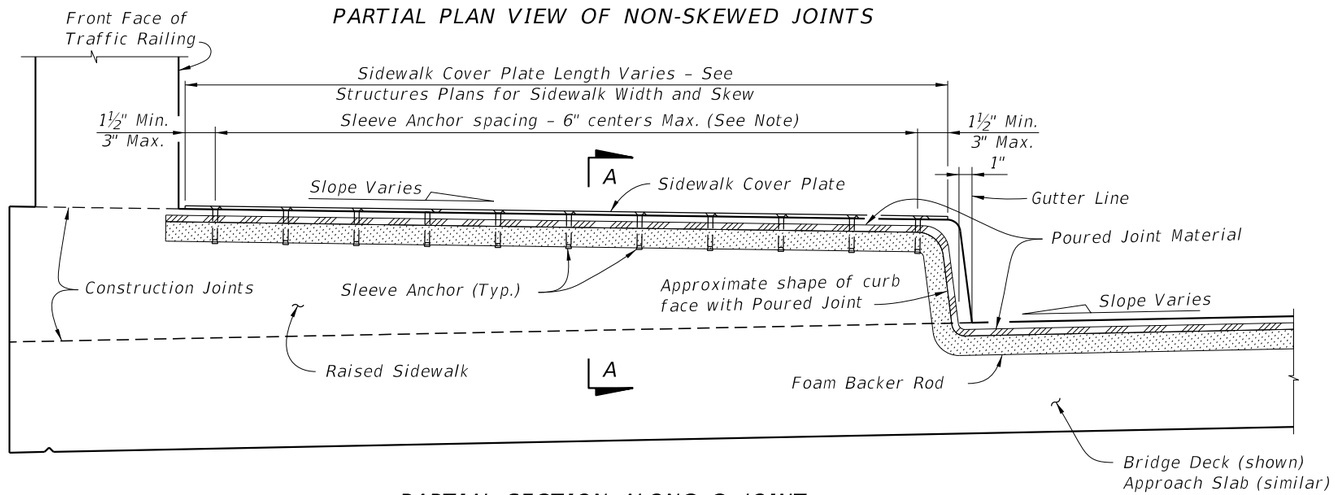
LAST REVISION	REVISION	DESCRIPTION:	FDOT	FY 2022-23 STANDARD PLANS	EXPANSION JOINT SYSTEM - POURED JOINT WITH BACKER ROD	INDEX	SHEET
07/01/14						458-110	1 of 2



PARTIAL PLAN VIEW OF SKEWED JOINTS

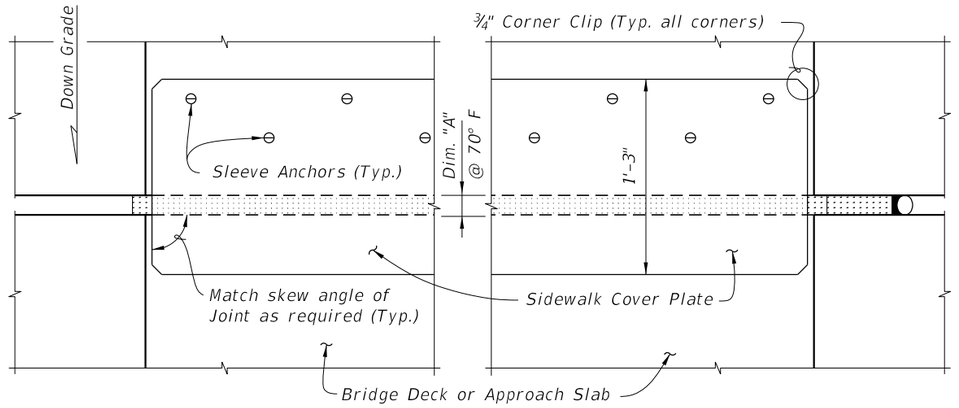


PARTIAL PLAN VIEW OF NON-SKEWED JOINTS

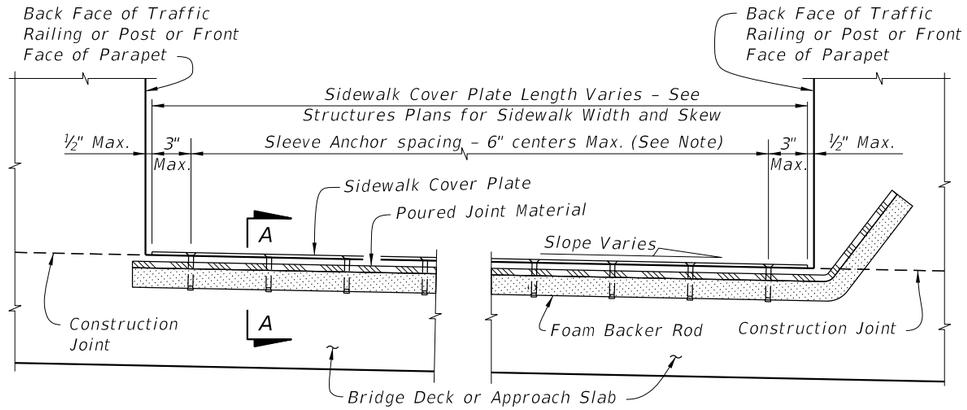


PARTIAL SECTION ALONG ℄ JOINT

RAISED SIDEWALK DETAIL

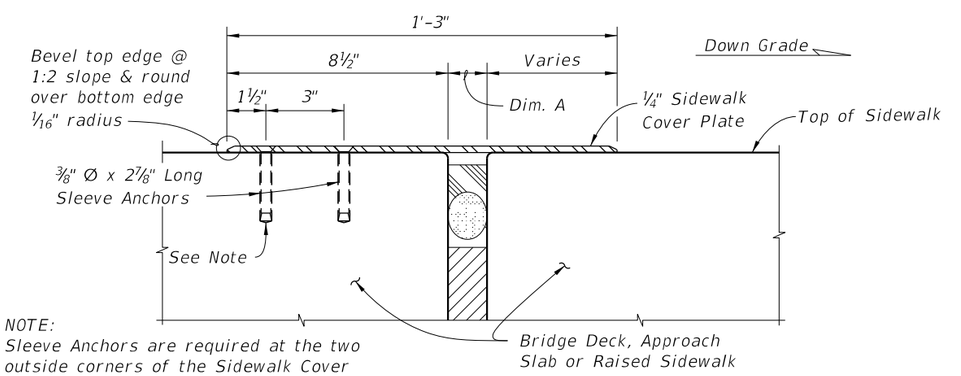


PARTIAL PLAN VIEW



PARTIAL SECTION ALONG ℄ JOINT

FLUSH SIDEWALK DETAIL

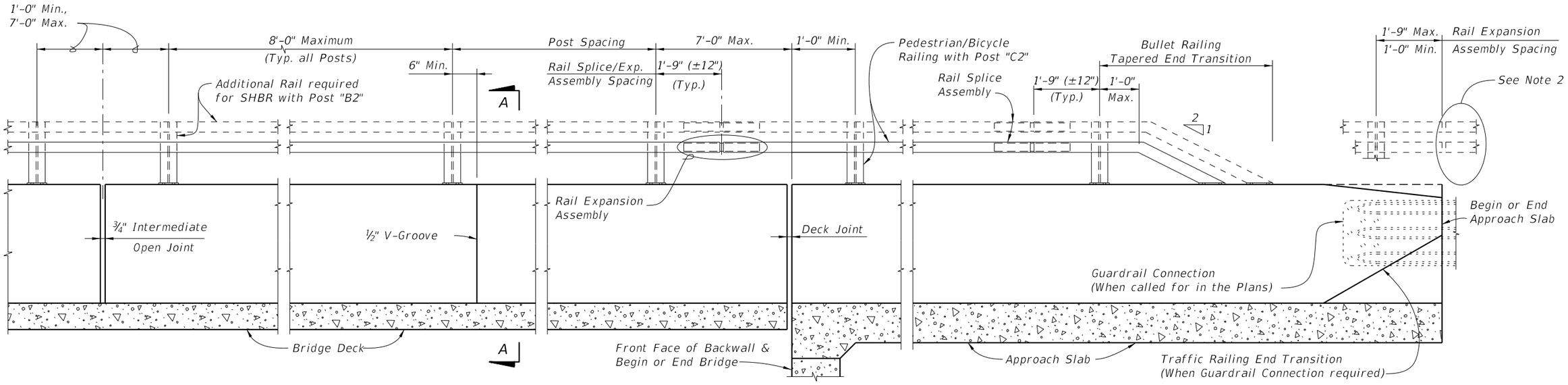


NOTE:
Sleeve Anchors are required at the two outside corners of the Sidewalk Cover Plate. Space Sleeve Anchors uniformly between the corner anchors.

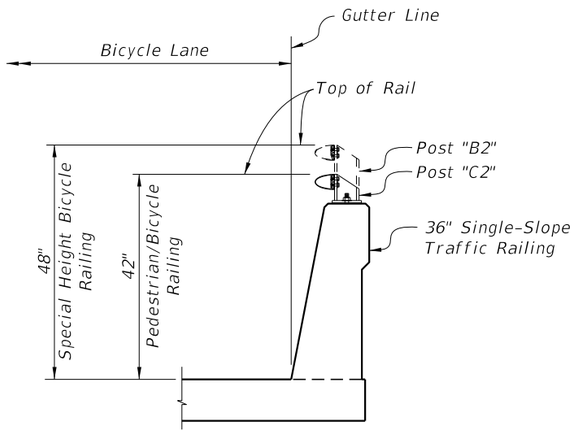
SECTION A-A

9/23/2021 8:50:21 AM

LAST REVISION	REVISION	DESCRIPTION:				
07/01/13			FDOT FY 2022-23 STANDARD PLANS	EXPANSION JOINT SYSTEM - POURED JOINT WITH BACKER ROD	INDEX 458-110	SHEET 2 of 2



ELEVATION OF INSIDE FACE OF TRAFFIC RAILING WITH PEDESTRIAN/BICYCLE BULLET RAILING



SECTION A-A
TYPICAL SECTION THRU BRIDGE DECK
(APPROACH SLAB SIMILAR)

NOTES:

1. A Bullet Railing Tapered-End Transition is required for all approach ends of Bullet Railings on Traffic Railings. When Guardrail Connection is required terminate the Bullet Railing Tapered-End Transition at beginning of the Traffic Railing End Transition.

2. Where Bullet Railing continues on retaining wall mounted Traffic Railings or Barriers, provide a Bullet Railing Tapered End Transition at the terminus of the Bullet Railing.

CROSS REFERENCES:

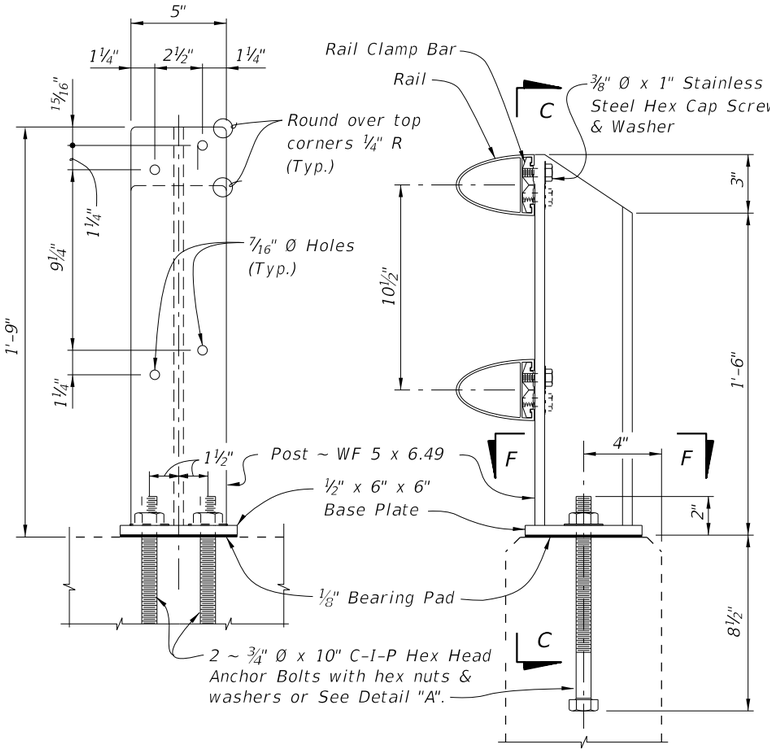
Work in conjunction with Index 515-022.

For Traffic Railing Details, Reinforcement and Notes see Index 521-427.

9:15:39 AM

9/23/2021

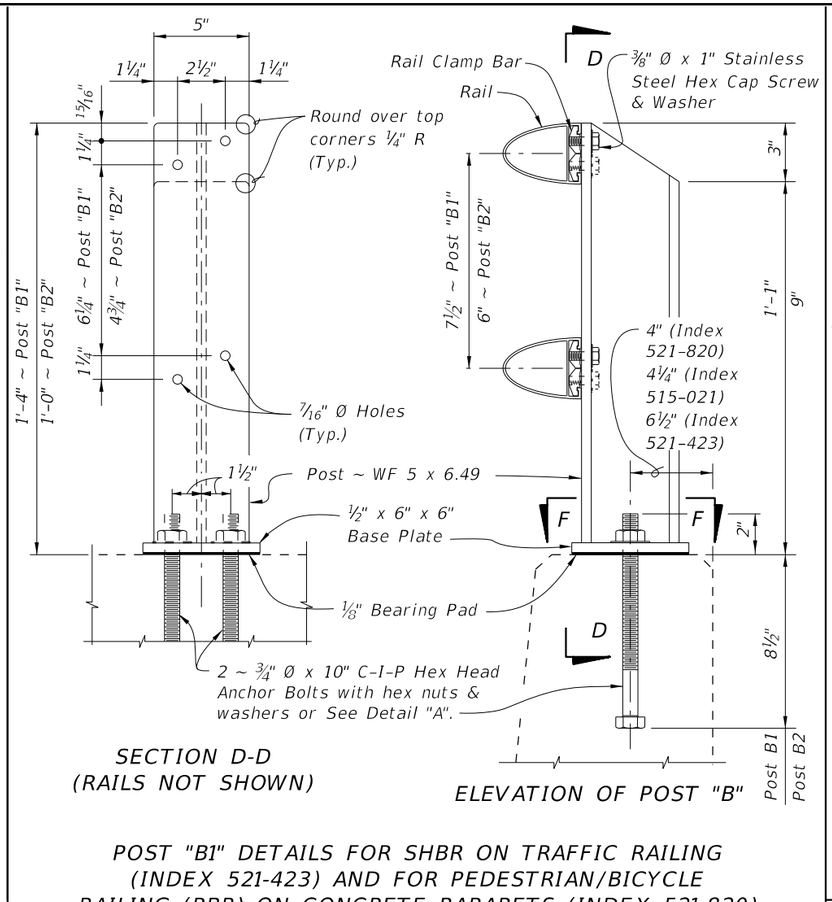
LAST REVISION	REVISION	DESCRIPTION:			INDEX	SHEET
11/01/17			FDOT FY 2022-23 STANDARD PLANS	PEDESTRIAN/BICYCLE BULLET RAILING FOR TRAFFIC RAILING	515-021	1 of 1



SECTION C-C
(RAILS NOT SHOWN)

ELEVATION
OF POST "D"

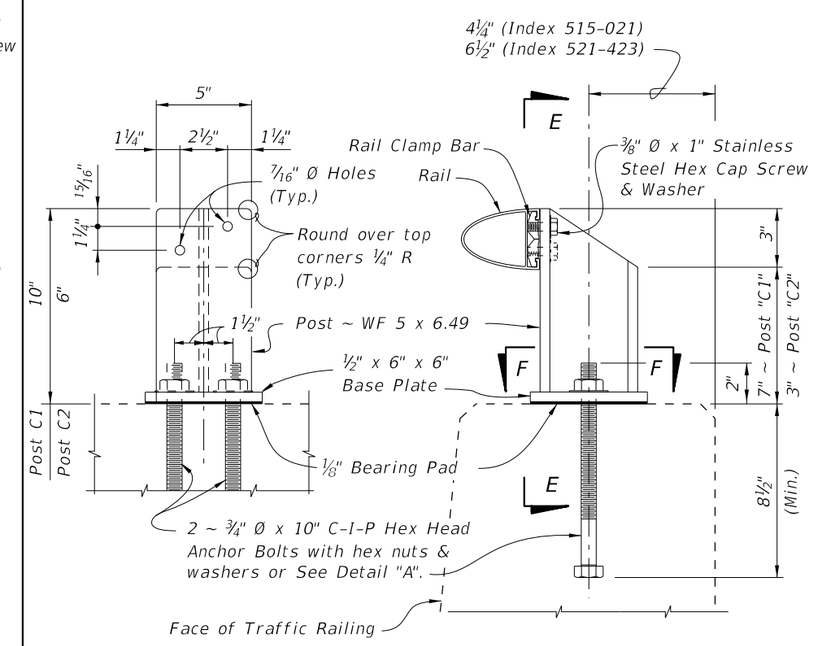
POST "D" DETAILS FOR SPECIAL HEIGHT BICYCLE RAILING (SHBR) ON CONCRETE PARAPET (INDEX 521-820)



SECTION D-D
(RAILS NOT SHOWN)

ELEVATION OF POST "B"

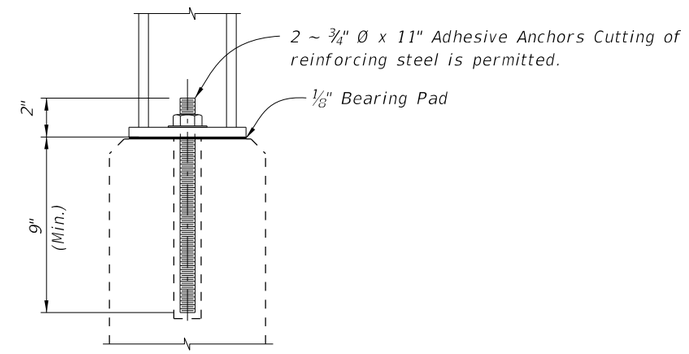
POST "B1" DETAILS FOR SHBR ON TRAFFIC RAILING (INDEX 521-423) AND FOR PEDESTRIAN/BICYCLE RAILING (PBR) ON CONCRETE PARAPETS (INDEX 521-820)
POST "B2" DETAILS FOR SHBR ON TRAFFIC RAILING (INDEX 521-427 AND 515-021)



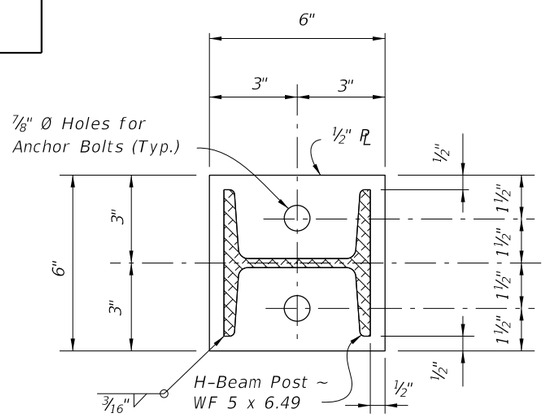
SECTION E-E
(RAIL NOT SHOWN)

ELEVATION
OF POST "C"

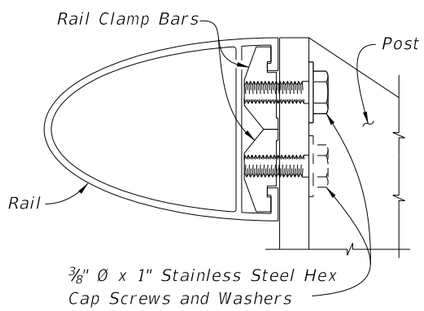
POST "C1" DETAILS FOR PEDESTRIAN/BICYCLE RAILING (PBR) ON TRAFFIC RAILINGS (INDEX 521-423)
POST "C2" DETAILS FOR PBR ON TRAFFIC RAILING (INDEX 521-427 & 515-021)



DETAIL "A"
ALTERNATE ANCHOR BOLT
(Concrete Parapet Shown, Traffic Railings Similar)



SECTION F-F
BASE PLATE DETAIL



RAIL TO POST CONNECTION DETAIL

CROSS REFERENCES:

For post spacing on Concrete Parapets see Index 521-820.

For post spacing on Traffic Railings see Index 515-021.

For Rail Details see Sheet 2.

For Railing Notes and Tapered End Transition Details see Sheet 3.

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9/23/2021

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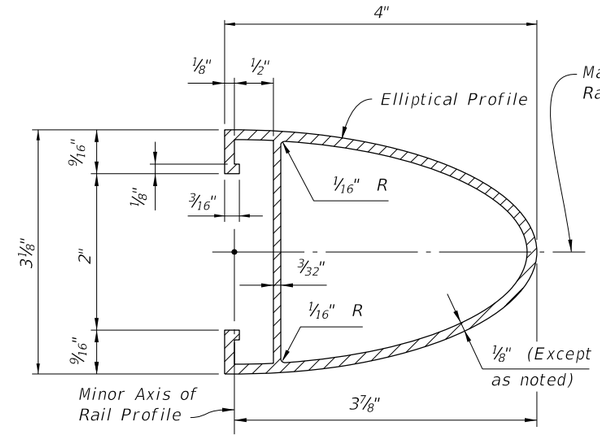
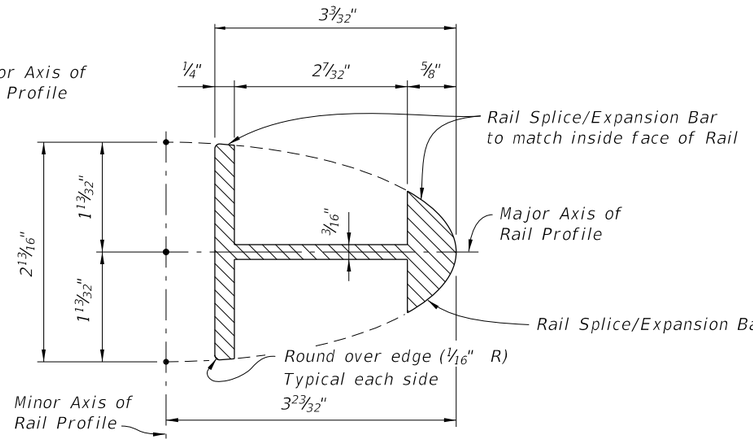
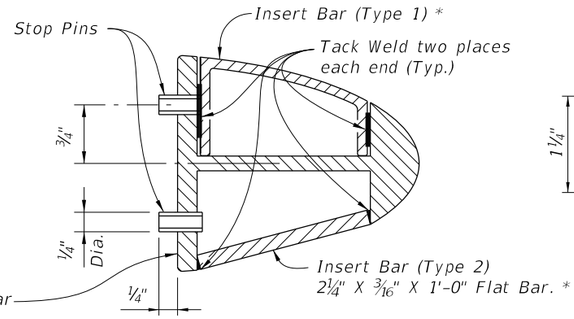


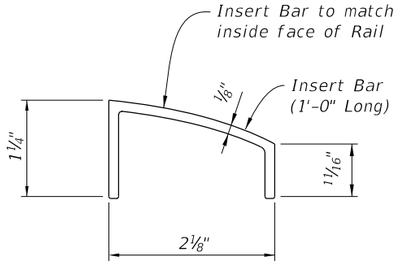
SECTION A-A
TYPICAL SECTION THRU RAIL



SECTION B-B - RAIL SPLICE/EXPANSION BAR
(Rail not shown for clarity)

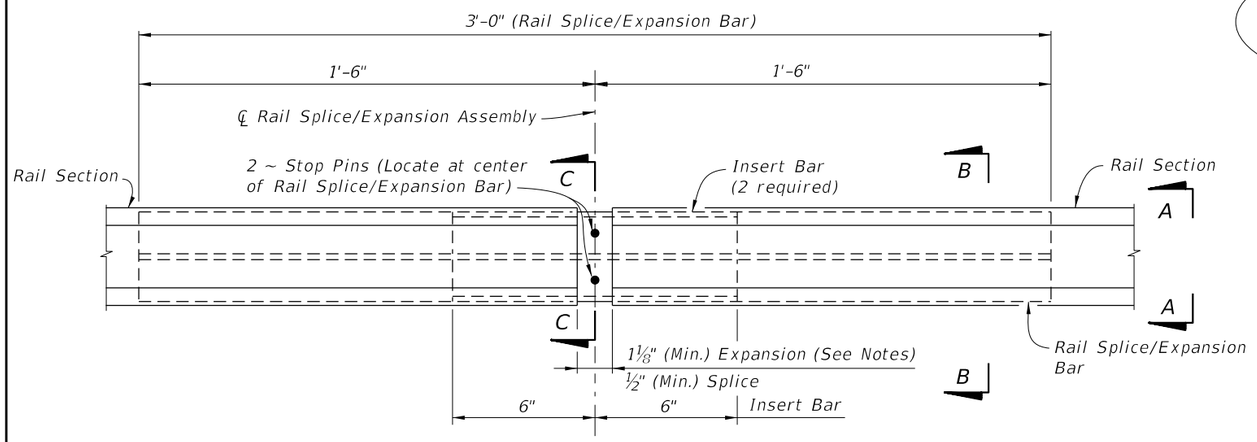


SECTION C-C
RAIL SPLICE/EXPANSION
BAR ASSEMBLY

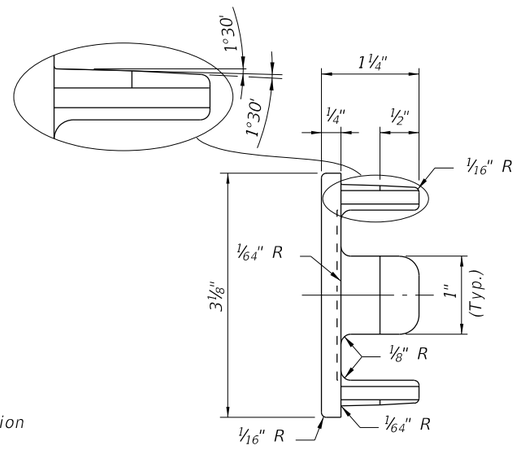


INSERT BAR DETAIL (TYPE 1)

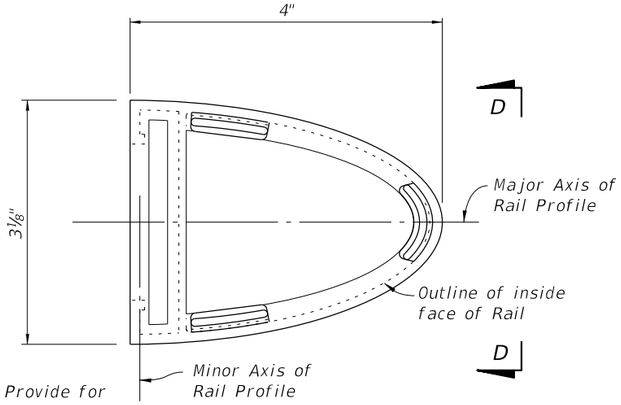
* Use of either Type 1 or Type 2 Insert Bars is at the option of the Contractor.



RAIL SPLICE/EXPANSION ASSEMBLY DETAIL



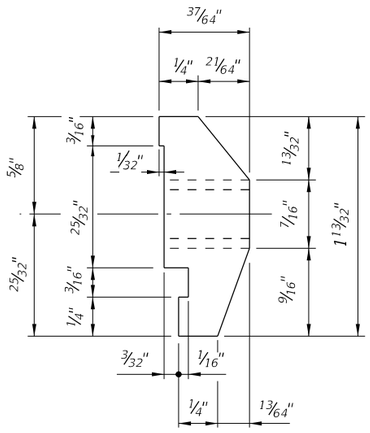
VIEW D-D



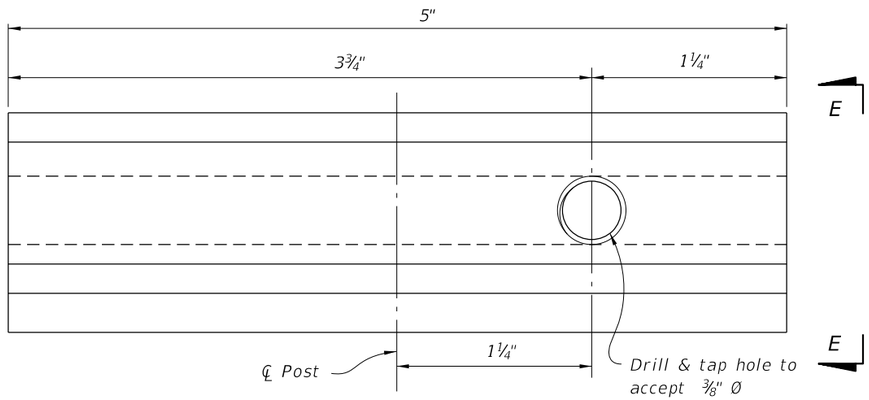
NOTE: Provide for drive fit.

RAIL END CAP DETAIL

CROSS REFERENCE:
For Notes and Tapered End Transition Details, See Sheet 3.



VIEW E-E



RAIL CLAMP BAR DETAIL

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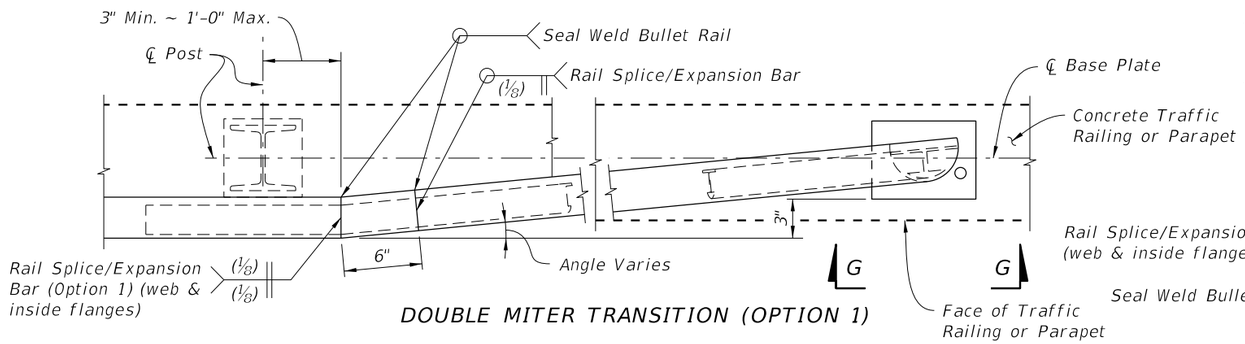
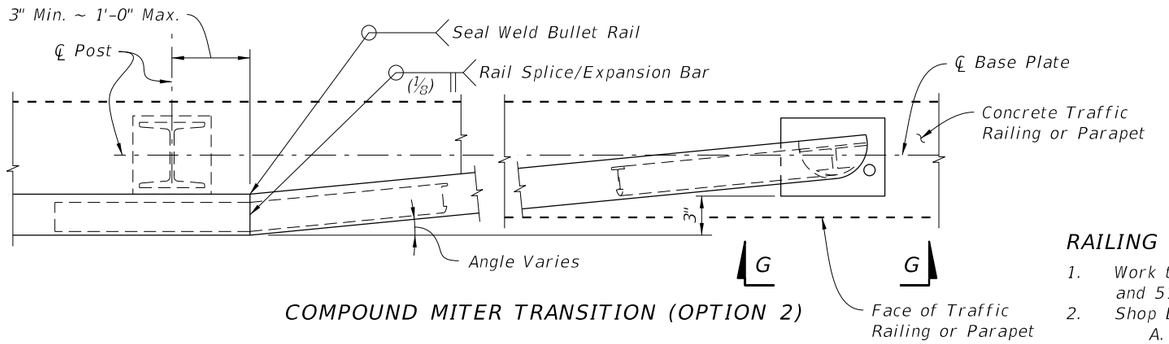
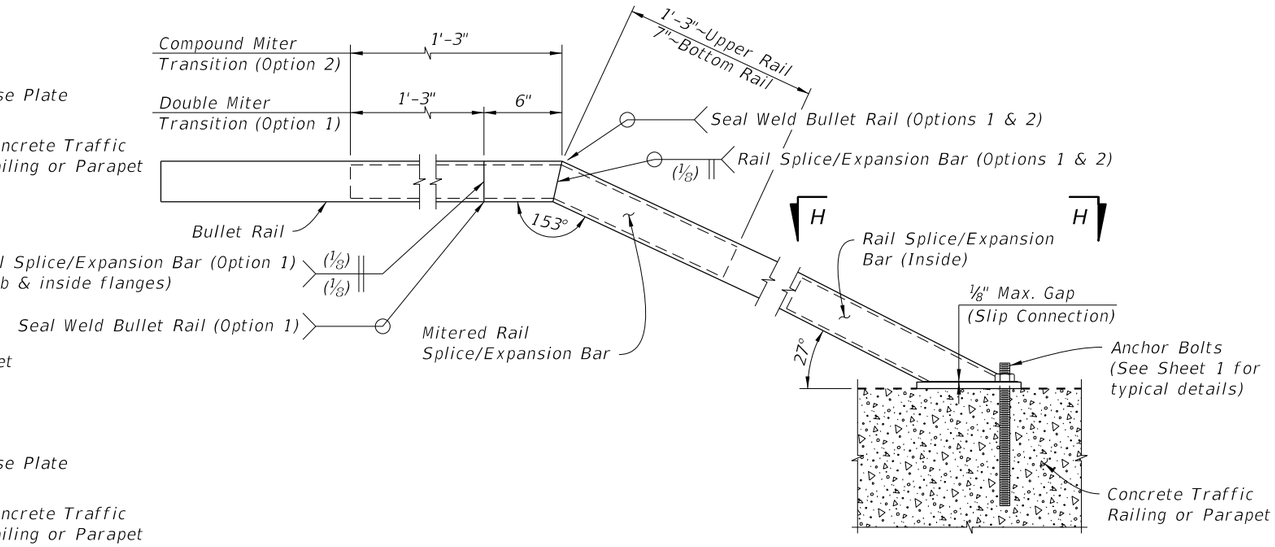


DOUBLE MITER TRANSITION (OPTION 1)

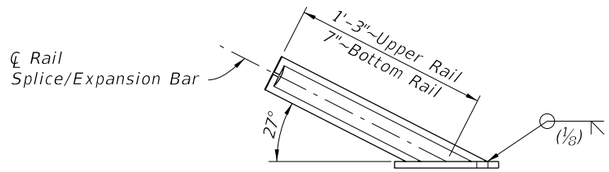


COMPOUND MITER TRANSITION (OPTION 2)

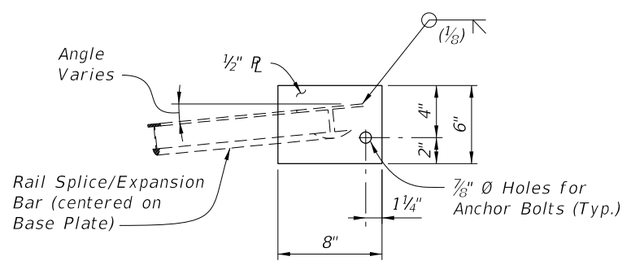
PARTIAL PLAN OF TAPERED END TRANSITIONS
(Single Rail Shown, Double or Triple Rail Similar)



ELEVATION OF TAPERED END TRANSITION
(Single Rail Shown, Double or Triple Rail Similar)



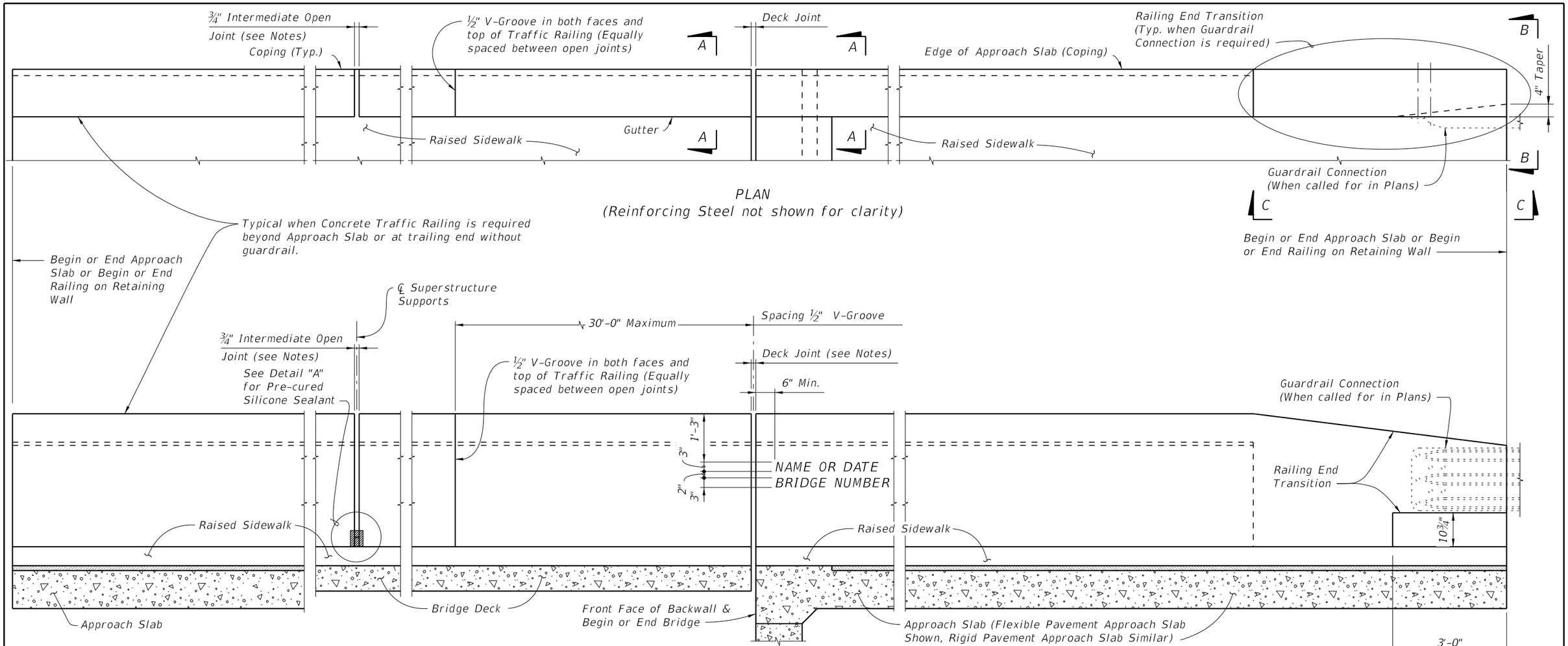
VIEW G-G TRANSITION BASE PLATE
(Bullet Rail not shown for Clarity)



VIEW H-H TRANSITION BASE PLATE
(Bullet Rail not shown for Clarity)

RAILING NOTES:

1. Work this Index with Index 521-423, 521-427, 521-428, 521-820 and 515-021 and Specification Section 515.
2. Shop Drawings: Submit shop drawings prior to fabrication.
   A. Include post and rail splice/expansion assembly location for curved alignments with radii < 40 feet and for all end terminations.
3. Materials:
   A. Supply Aluminum materials In accordance with Specification Section 965 and the following:
   Wrought Aluminum Post: ASTM B221, Alloy 6061-T6 or 6351-T5
   Rail End Cap: ASTM B26 sand cast aluminum alloy 356.0-F
   Plate and Bars: ASTM B209 Alloy 6061-T6
   Rails: ASTM B221 Alloy 6061-T6 or 6351-T5.
   Stop Pins: Press-fit aluminum or stainless steel pins or tubes
   B. Stainless Steel Fasteners: ASTM F-593, Alloy Group 2 (316).
   C. Bearing Pads: Plain or Fiber Reinforced meeting Specification Section 932 for Ancillary Structures.
   D. Anchor Bolts: Galvanized ASTM A307 Grade 36 Hex Head. Galvanized ASTM 1554 Grade 55 Threaded rods for Adhesive Anchors.
4. Layout:
   A. Posts shall be uniformly spaced with reasonable consistency.
   B. Tapered End Transitions are required at the terminus of the approach ends of Bullet Railing mounted on a Traffic Railing. Bullet Railings on concrete parapets shielded by a traffic railing do not require Tapered End Transitions unless noted otherwise in the Plans.
   C. Adjust post spacing's to avoid parapet obstacles, such as armor expansion plates, by 9 inches minimum.
   D. Rails shall be continuous over a minimum of 3 posts, except that lengths less than 12 feet need only be continuous over 2 posts.
   E. Space splices at 40 feet maximum. Splice all rails in a given railing section at about the same center line.
   F. Provide rail expansion assemblies in panels between posts on either side of a bridge expansion joint. Rail expansion assemblies are similar to the rail splice assemblies with increased space at the expansion assembly to allow for movement equal to 1.5 times the bridge joint opening or 1" greater than the expected joint movement.
5. Installation:
   A. Set rails near bridge expansion joints to allow for expected movement.
   B. Cutting of reinforcing steel is permitted for post installed anchors.
6. Payment: Includes the full cost of installed bullet railing. Cost of the Concrete Parapet or Traffic Railing is separate.



PLAN
(Reinforcing Steel not shown for clarity)

ELEVATION OF INSIDE FACE OF RAILING
(Reinforcing Steel not shown for clarity)

CROSS REFERENCE:
For Section A-A, View B-B and View C-C, see Sheet 2.
For Detail "A" see Sheet 3.

TRAFFIC RAILING NOTES

1. Materials: See Structures Plans, General Notes
2. Guardrail Connection Details: See Index 536-001
3. Traffic Railings may be constructed perpendicular to the sidewalk surface.
   If an adjoining railing is constructed plumb, transition the end of the Traffic Railing from perpendicular to plumb over a minimum distance of 20'-0". The cost of all modifications will be at the Contractor's expense.
4. Name, Date & Bridge Number: Place the Name and Bridge Number on the Traffic Railing on the driver's right side when approaching the bridge. Place the Date on the driver's left side when approaching the bridge. Use the Name as shown in the General Notes of the Structures Plans. The Date is the year the bridge is completed. For a widening when the existing railing is removed, use both the date on the removed rail and the year of the widening. Form letters and figures with ⅜" V-Grooves using preformed letters and figures. Black plastic letters and figures 3" tall may be used, if approved by the Engineer.
5. Open Joints: See the Superstructure Plans, Approach Slab and Retaining Wall Sheets for Deck Joint dimensions and orientation. Provide Open Railing Joints matching the dimensions of the Deck Joint at Deck Expansion Joint locations.
   A. For treatment of railings on skewed bridges see Sheet 3.
6. Open Joints: Provide ¾" Open Joints at:
   A. Superstructure supports where the slab is continuous.
   B. At ends of approach slabs when adjacent to retaining walls and at expansion joints on retaining wall junction slabs.
7. V-Grooves: Construct ½" V-Grooves plumb. Space V-Grooves equally between ¾" Open Joints and/or Deck Joints and the at V-Groove locations on the Retaining Wall footing/junction slabs.
8. Barrier Delineators: Install Barrier Delineators on top of the Traffic Railing 2" from the face of the traffic side in accordance with Specification Section 705. Match the Barrier Delineator to the color (white or yellow) of the near edgeline.
9. Traffic Railing Transitions:
   A. Transition to guardrail: see Detail "A" and View B-B.
   B. Transition to 38" Concrete Barriers: see Detail "B" and View C-C. Work these details with Index 521-610.
10. See Superstructure Plans for drainage slot locations and size (when required)
11. For embedded conduit and junction boxes see Index 630-010. For Traffic Railings with Pedestrian/Bicycle Bullet Railings see Index 515-021 and 515-022 for Notes, Details and post spacing.

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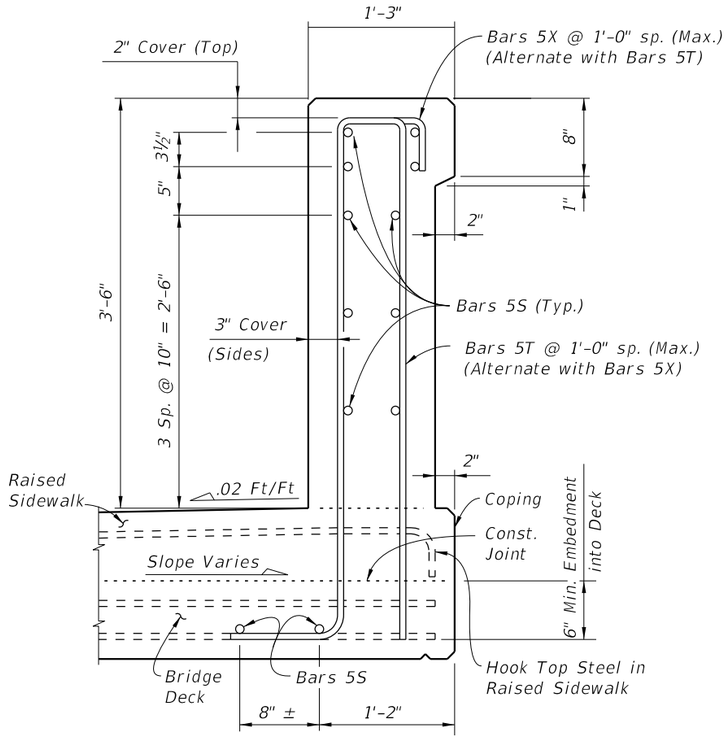
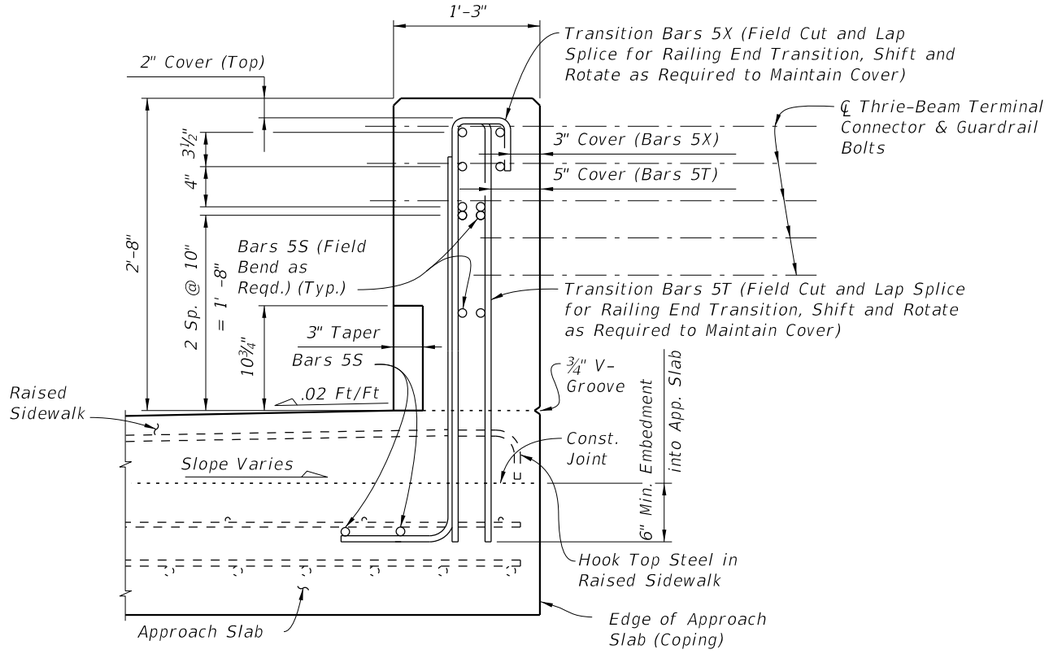


SECTION A-A
TYPICAL SECTION THRU TRAFFIC RAILING
SECTION THRU BRIDGE DECK SHOWN

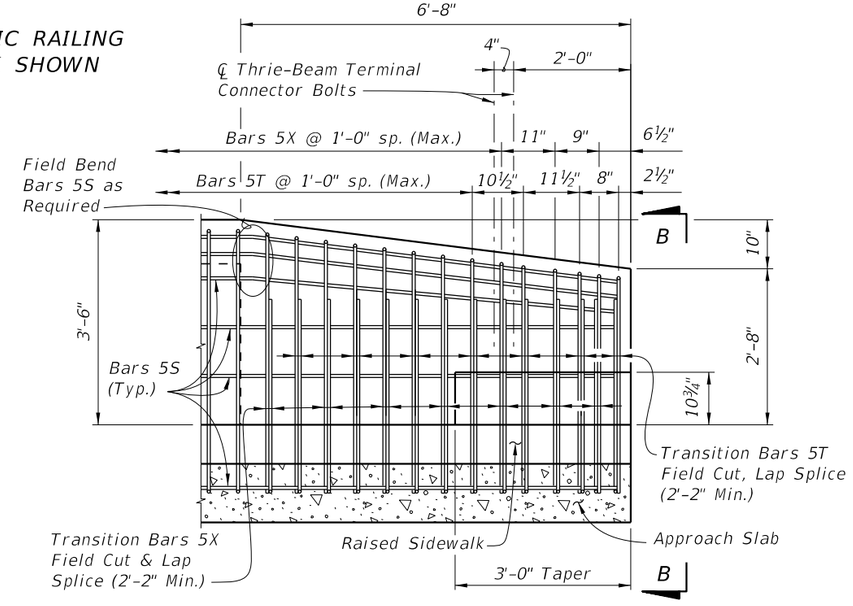


VIEW B-B
(END VIEW OF TRAFFIC RAILING END TRANSITION)
(Approach Slab shown, Retaining Wall Junction Slab similar)

NOTES:

1. *Begin placing Railing Bars 5T and 5X on Approach Slab at the railing end and proceed toward Begin or End Bridge to avoid conflict with guardrail bolt holes. If required, adjustments to the bar spacing for Bars 5T and 5X shall be made immediately adjacent to Begin or End Bridge. Cut, shift and rotate Bars 5T and 5X as required to maintain cover in Railing End Transition.*

2. *Omit Railing End Transition and Guardrail if Concrete Traffic Railing is used beyond the Approach Slab or Retaining Wall. See Structures Plans, Plan and Elevation Sheet and Roadway Plans. If Taper and Railing End Transition is omitted, extend Typical Section to end of the Approach Slab or limiting station on Retaining Wall, and space Bars 5T and 5X at 1'-0" (Typ.)*



VIEW C-C
RAILING END TRANSITION
(Guardrail Not Shown For Clarity)

CROSS REFERENCE:
For location of Section A-A, View B-B and View C-C, see Sheet 1.

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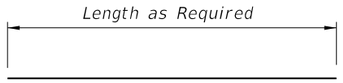
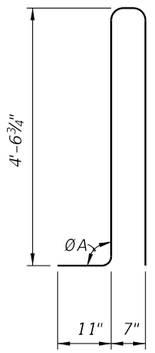
CONVENTIONAL REINFORCING STEEL BENDING DIAGRAMS

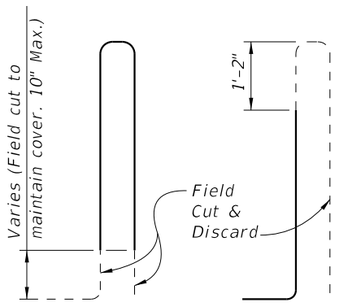
BILL OF REINFORCING STEEL		
MARK	SIZE	LENGTH
S	5	As Reqd.
T	5	10'-8"
X	5	6'-9"

ROADWAY CROSS-SLOPE	ØA	
	LOW GUTTER	HIGH GUTTER
0% to 2%	90°	90°
2% to 6%	87°	83°
6% to 10%	84°	96°



BAR 5S

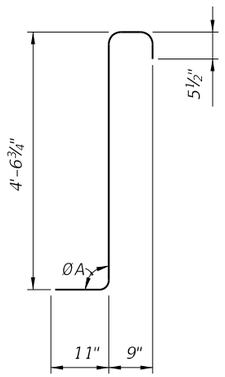


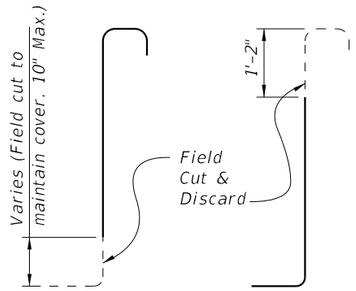


END TRANSITION STIRRUP BARS 5T

To Be Field Cut (7 of each required per Railing End Transition)

STIRRUP BAR 5T





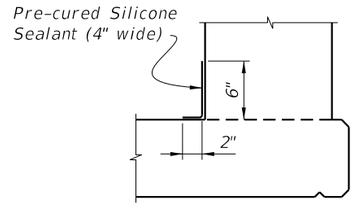
END TRANSITION STIRRUP BARS 5X

To Be Field Cut (7 of each required per Railing End Transition)

STIRRUP BAR 5X

REINFORCING STEEL NOTES:

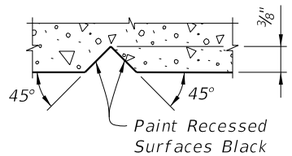
1. All bar dimensions in the bending diagrams are out to out.
2. The 4'-6¾" vertical dimension shown for Bars 5T and 5X is based on a bridge deck with a 6" thick x 6' wide raised sidewalk at low side of deck, 2% deck cross slope and a counter 2% raised sidewalk cross slope. If the raised sidewalk thickness, width or cross slope vary from the above amounts, adjust this dimension accordingly to achieve a 6" minimum embedment into the bridge deck. See Structures Plans, Superstructure and Approach Slab Sheets.
3. The reinforcement for the railing on a retaining wall shall be the same as detailed above with ØA = 90°.
4. All reinforcing steel at the open joints shall have a 2" minimum cover.
5. Bars 5S may be continuous or spliced at the construction joints. Bar splices for Bars 5S shall be a minimum of 2'-2".
6. The Contractor may utilize Welded Wire Reinforcement (WWR) when approved by the Engineer. WWR must consist of Deformed wire meeting the requirements of Specification Section 931.



DETAIL "A" - SECTION
AT INTERMEDIATE OPEN JOINT

INTERMEDIATE JOINT SEAL NOTES:

1. At Intermediate Open Joints, seal the lower 6" portion of the open joint with Pre-cured Silicone Sealant in accordance with Specification Section 932.
2. Apply sealant prior to any Class V finish coating and remove all curing compound and loose material from the surface prior to application of bonding agent.
3. The cost of the Pre-cured Silicone Sealant shall be included in the Contract Unit Price for the Traffic Railing.



SECTION THRU RECESSED "V" GROOVE
TO FORM INSCRIBED LETTERS AND FIGURES

ESTIMATED TRAFFIC RAILING QUANTITIES		
ITEM	UNIT	QUANTITY
Concrete	CY/LF	0.145
Reinforcing Steel	LB/LF	30.68

(The above quantities are based on a 6" thick x 6' wide raised sidewalk at low side of deck, 2% deck cross slope and counter 2% sidewalk cross slope)

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CONDUIT GENERAL NOTES:

1. Furnish and install approved Conduits, Fittings and Embedded Junction Boxes (EBJ's) in accordance with Specification Sections 630 and 635, this Standard, the National Electric Code (NEC) and as directed by the Engineer.

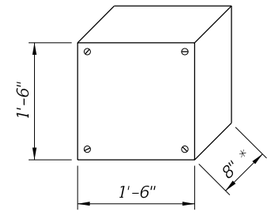
2. Furnish and install Embedded Junction Boxes (EJB) with weatherproof covers sized in accordance with NEC requirements and the maximum size limits shown. Install EJB adjacent to the Begin and End of Bridges, Begin and End of Retaining Walls, (except omit EJB adjacent to the Bridge unless a precast Traffic Railing with junction slab is used), and at other locations as necessary to maintain 300 foot maximum spacing. See Plans for additional locations and details.

3. For Conduit not designated for future use, see Plans for details. For Conduit designated for future use, stub out and cap the Conduit. Drive a 3'–0"± long ¾" (min.) diameter Steel Pipe flush with the ground line adjacent to the end of the Conduit as shown on Sheets 2, 3 or 4. Provide the location of the stub out with Steel Pipe to the Engineer for inclusion on the As–Built Plans.

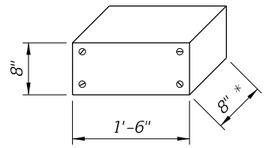
4. Shift vertical Railing reinforcement symmetrically to provide 2" clearance to EJB. Space shifted vertical reinforcement at minimum 3" centers. Cut horizontal Railing reinforcement to provide 2" clearance to EJB and provide supplemental reinforcement as shown. To facilitate placement of Conduit, Expansion Fittings, and Expansion/Deflection Fittings, shift reinforcing a maximum of 1" but do not cut railing reinforcing to facilitate Conduit or Fittings. Do not bundle Conduits, or Conduit and horizontal reinforcement.

5. Place conduits as indicated in this Standard unless Structures Plans indicate fewer.

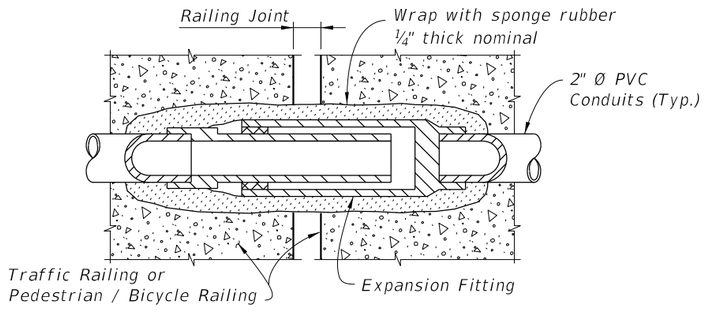
* Reduce to 6" maximum when installed in Pedestrian/ Bicycle Railings.



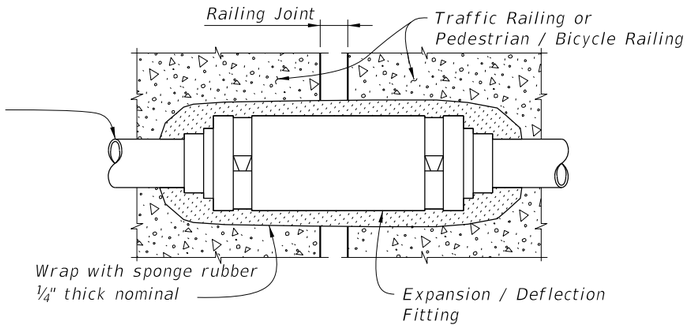
EJB "A"
Double or Triple Conduit
(Maximum Dimensions)



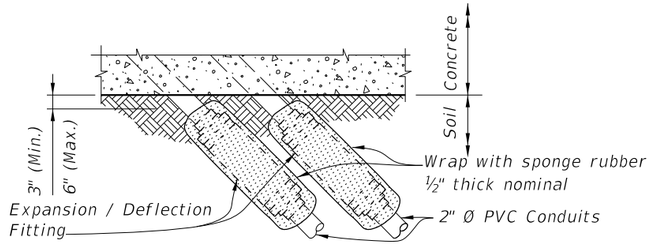
EJB "B"
Single Conduit
(Maximum Dimensions)



DETAIL "A"
EXPANSION FITTING DETAIL



DETAIL "B" EXPANSION / DEFLECTION
FITTING DETAIL (CONCRETE / CONCRETE)

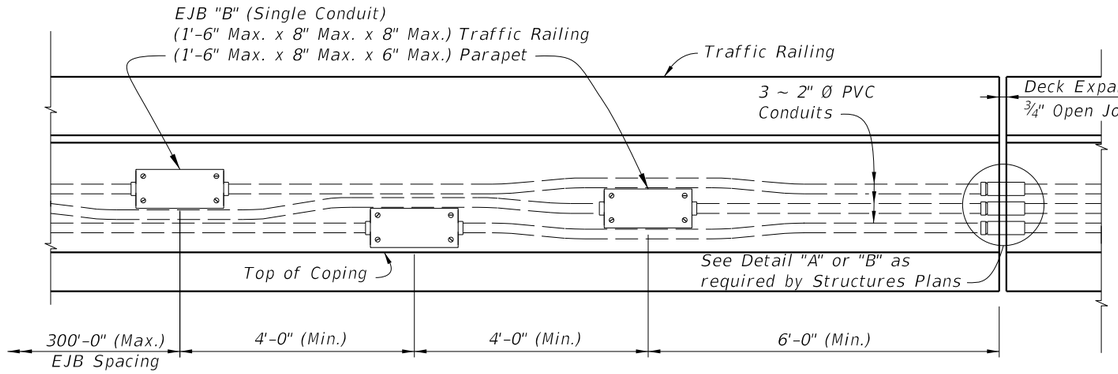


DETAIL "C" EXPANSION / DEFLECTION
FITTING DETAIL (CONCRETE / SOIL)

GENERAL

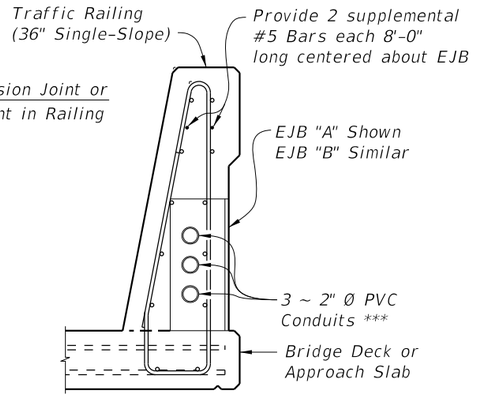
LAST REVISION	REVISION	DESCRIPTION:	FY 2024-25 STANDARD PLANS	CONDUIT DETAILS - EMBEDDED	INDEX	SHEET
11/01/23					630-010	1 of 4

10/16/2023 7:50:32 AM

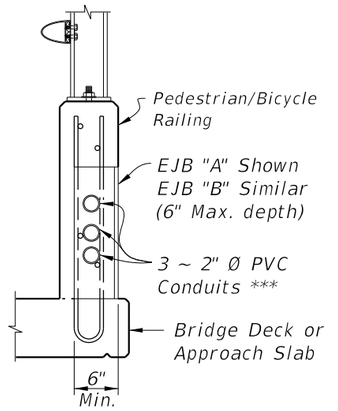


EJB "B" DETAIL

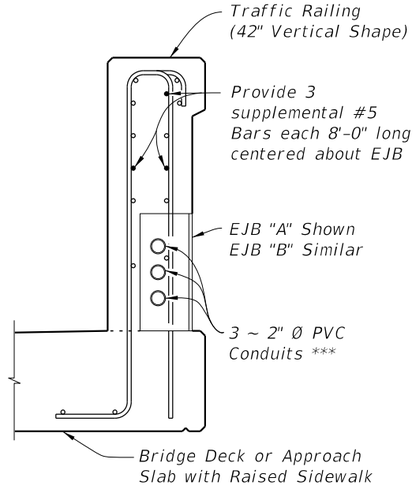
* 36" Single-Slope Traffic Railing shown, other Traffic Railings and Pedestrian/Bicycle Railings similar.
** EJB "A" shown, EJB "B" similar. See EJB "B" Detail.
*** See Sheet 1, Note 5.



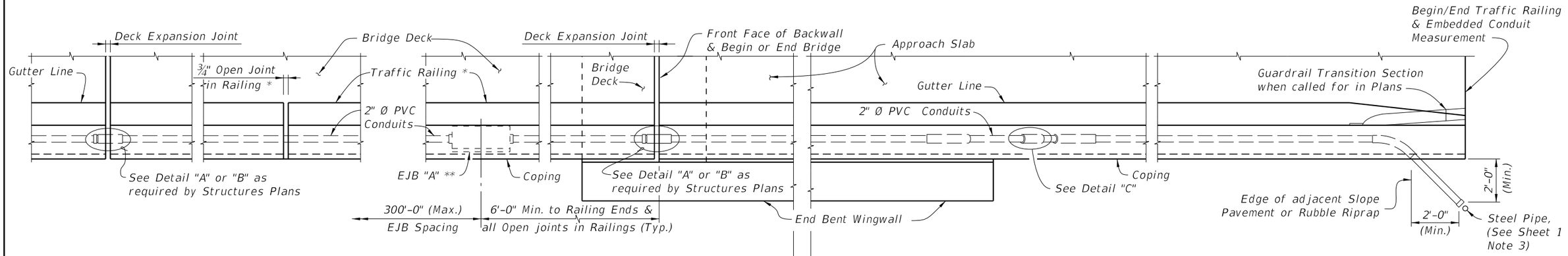
SECTION THRU
TRAFFIC RAILING AT EJB
(36" SINGLE-SLOPE SHOWN,
42" SINGLE-SLOPE SIMILAR)



SECTION THRU PEDESTRIAN /
BICYCLE RAILING AT EJB

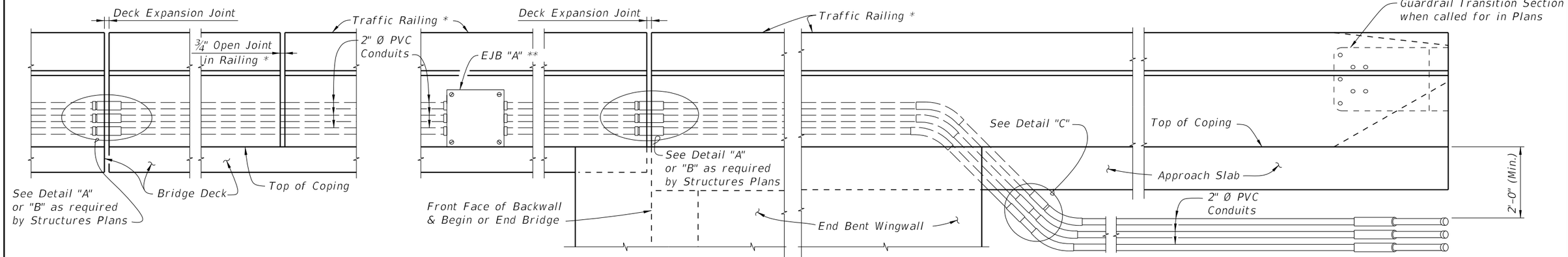


SECTION THRU
TRAFFIC RAILING AT EJB
(42" VERTICAL SHAPE SHOWN,
32" VERTICAL SHAPE SIMILAR)



PARTIAL PLAN VIEW ALONG BRIDGE

PARTIAL PLAN VIEW ALONG APPROACH SLAB WITHOUT CONTINUING TRAFFIC RAILING



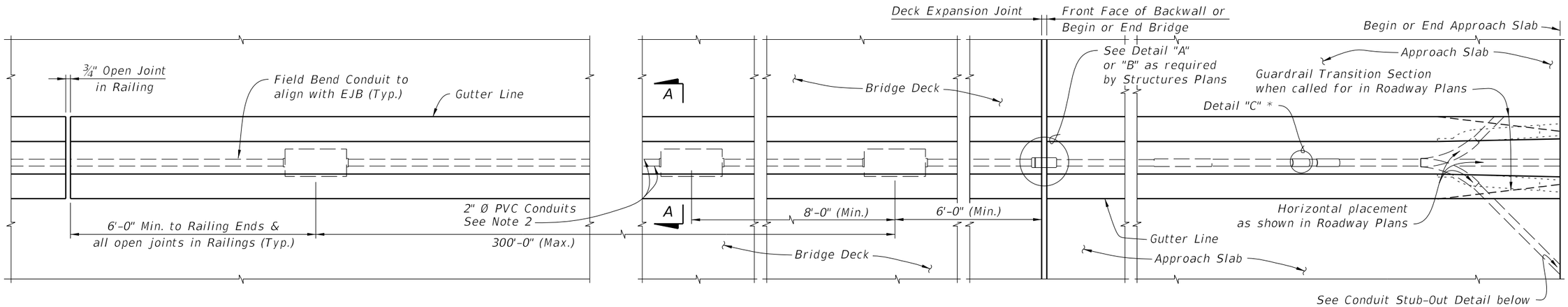
PARTIAL ELEVATION VIEW ALONG BRIDGE

PARTIAL ELEVATION VIEW ALONG APPROACH SLAB WITHOUT CONTINUING TRAFFIC RAILING

BRIDGE AND APPROACH SLAB WITH EDGE RAILING

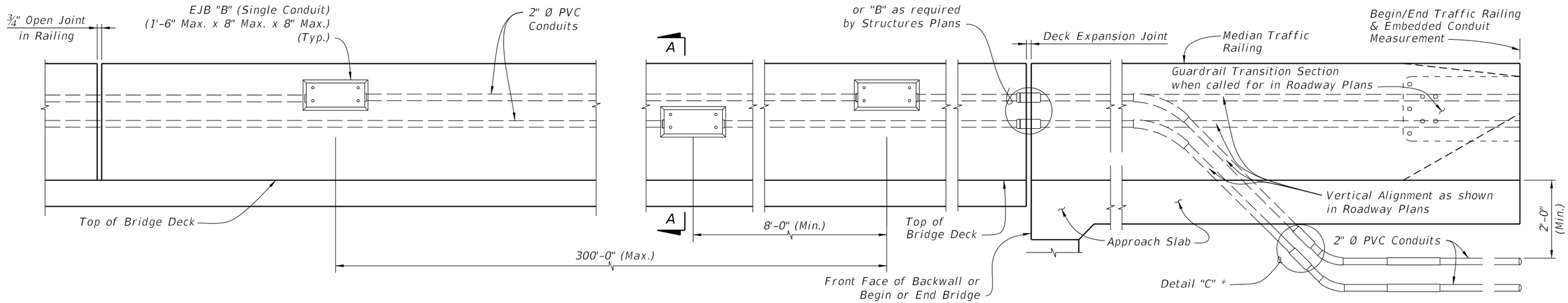
10/16/2023 7:50:40 AM

LAST REVISION	REVISION	DESCRIPTION:	FY 2024-25 STANDARD PLANS	CONDUIT DETAILS - EMBEDDED	INDEX	SHEET
11/01/22					630-010	2 of 4



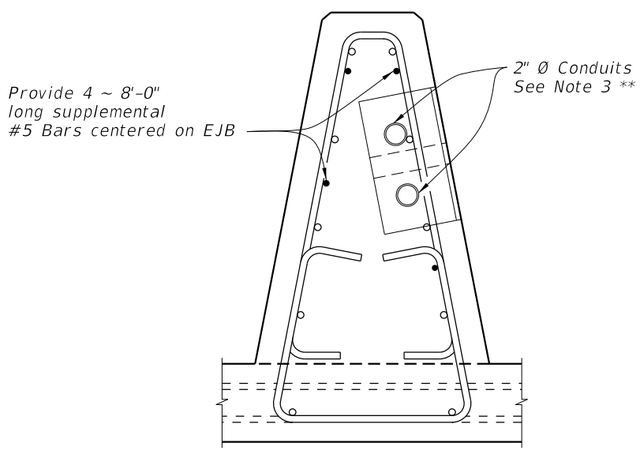
PARTIAL PLAN VIEW OF MEDIAN TRAFFIC RAILING ALONG BRIDGE

PARTIAL PLAN VIEW OF MEDIAN TRAFFIC RAILING ALONG APPROACH SLAB



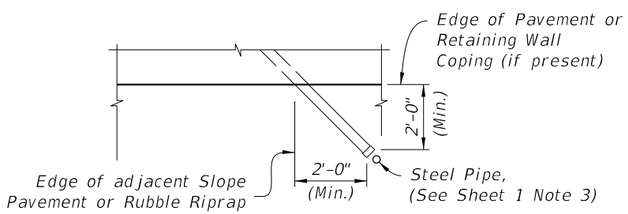
PARTIAL ELEVATION VIEW OF MEDIAN TRAFFIC RAILING ALONG BRIDGE

PARTIAL ELEVATION VIEW OF MEDIAN TRAFFIC RAILING ALONG APPROACH SLAB



SECTION A-A
Median Traffic Railing (See Note 4)

* For non-continuing Traffic Railing only.
** See Sheet 1, Note 5



CONDUIT STUB-OUT DETAIL

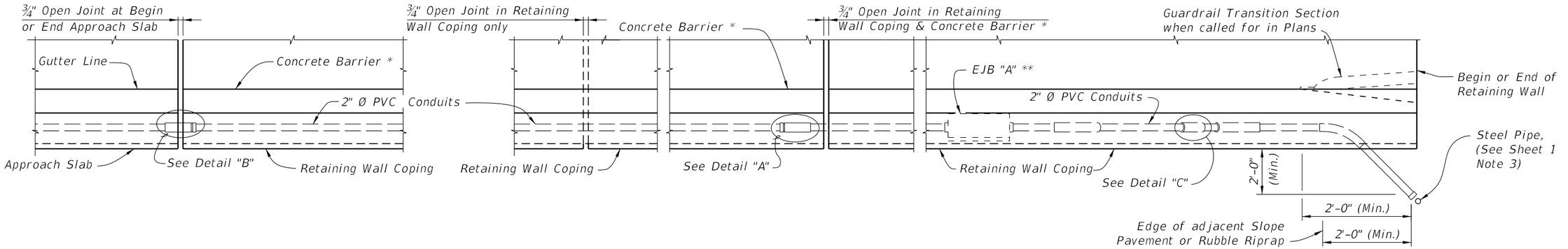
NOTES:

1. Work this sheet with Index 521-426.
2. Adjust Conduit horizontally and vertically as necessary to align with EJB "B".
3. When installed in traffic face of a railing, use EJB "B" with a minimum 3/8" thick galvanized steel cover.
4. Position EJB such that, with gasket and cover plate secured and in place, cover plate is flush with the railing face. Flush is +1/8" to -1/4" measured with a horizontal straightedge.

BRIDGE AND APPROACH SLAB WITH MEDIAN TRAFFIC RAILING

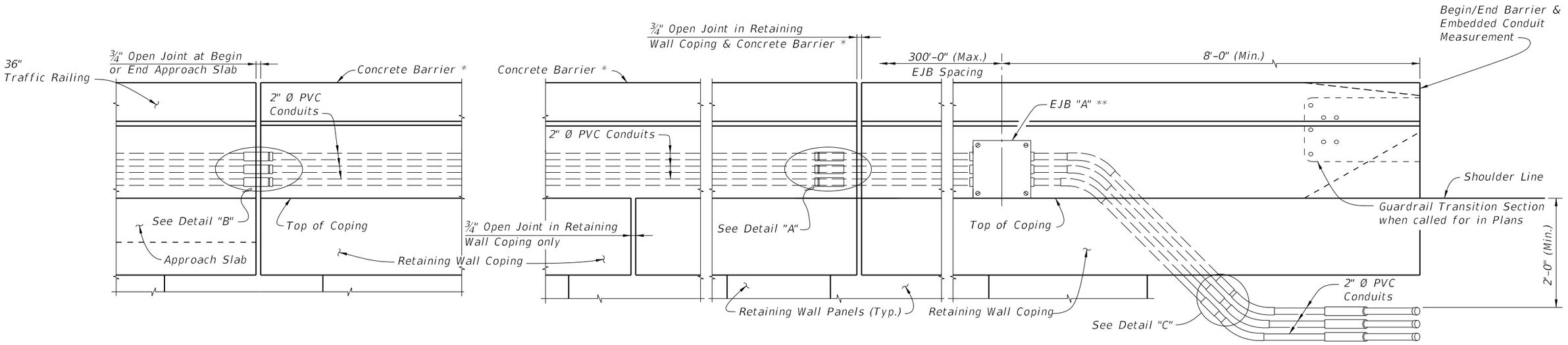
LAST REVISION	REVISION	DESCRIPTION:	FY 2024-25 STANDARD PLANS	CONDUIT DETAILS - EMBEDDED	INDEX	SHEET
11/01/17					630-010	3 of 4

10/16/2023 7:50:48 AM



PARTIAL PLAN VIEW ALONG APPROACH SLAB WITH CONTINUING CONCRETE BARRIER

PARTIAL PLAN VIEW ALONG RETAINING WALL



PARTIAL ELEVATION VIEW ALONG APPROACH SLAB WITH CONTINUING Concrete Barrier (Retaining Wall Mounted Concrete Barrier shown, Traffic Railing similar)

PARTIAL ELEVATION VIEW ALONG RETAINING WALL

* Index 521-610 Concrete Barrier/Junction Slab shown, other railings and parapets similar.
** EJB "A" shown EJB "B" similar. See EJB "B" Detail on Sheet 2.

APPROACH SLAB AND RETAINING WALL WITH CONCRETE BARRIER

LAST REVISION	REVISION	DESCRIPTION:			INDEX	SHEET
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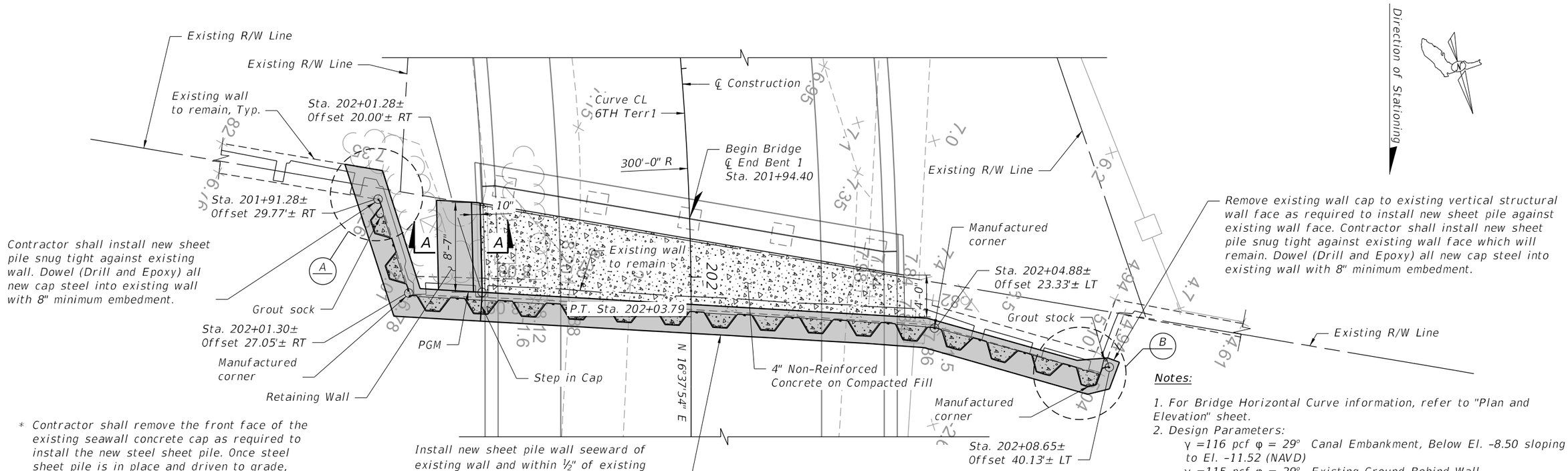
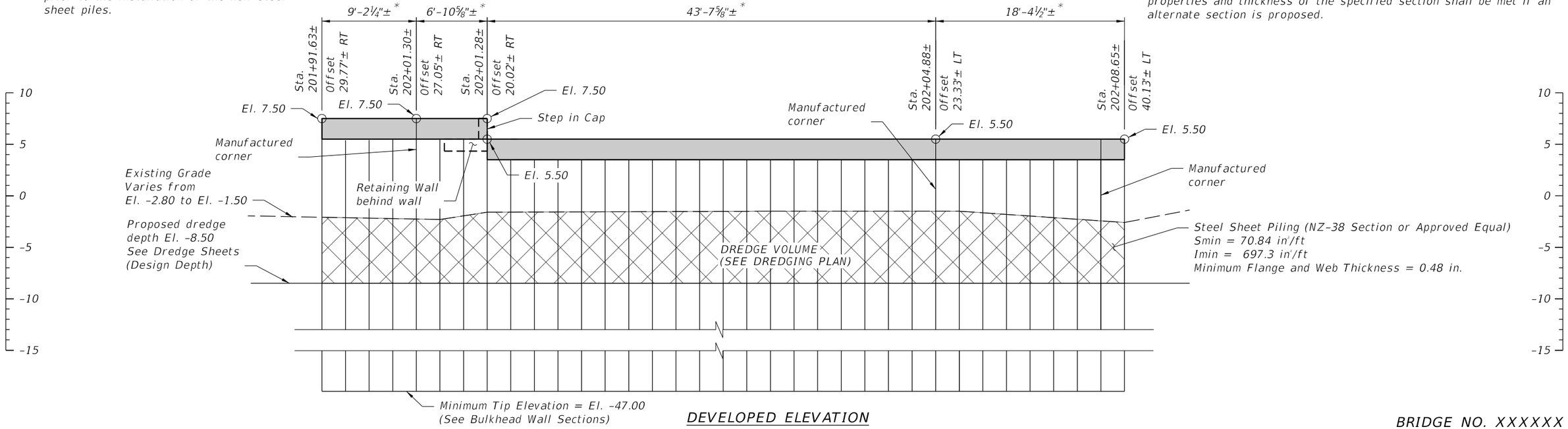
10/16/2023 7:50:56 AM



* Contractor shall remove the front face of the existing seawall concrete cap as required to install the new steel sheet pile. Once steel sheet pile is in place and driven to grade, contractor shall remove the remaining existing concrete cap as needed to install the new concrete cap. Due to the potential for existing tiebacks in the existing seawall, Contractor shall not remove the existing cap in its entirety prior to the installation of the new steel sheet piles.

PLAN



DEVELOPED ELEVATION

Notes:

1. For Bridge Horizontal Curve information, refer to "Plan and Elevation" sheet.
2. Design Parameters:
   - γ =116 pcf φ = 29° Canal Embankment, Below El. -8.50 sloping to El. -11.52 (NAVD)
   - γ =115 pcf φ = 29° Existing Ground Behind Wall
   - Earth Surcharge Loading = 0.25 ksf
3. All sheet pile layout is conceptual and shall be confirmed by contractor and manufacturer and submitted to EOR for review and approval including, but not limited to, material sizes, cut sheet and proposed connections at bends and corners. All minimum section properties and thickness of the specified section shall be met if an alternate section is proposed.

BRIDGE NO. XXXXXX

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS					
Date	By	Description	Date	By	Description

Kimley»Horn
Registration No. 35106
Jon Casey Long, P.E.
P.E. License No. 56083
11601 Kew Gardens Ave, Suite 200
Palm Beach Gardens, Florida 33410

Drawn By: RCA 03-24
Checked by: JPL 03-24
Designed by: DAM 03-24
Checked by: JPL 03-24

THE CITY OF POMPANO BEACH

ROAD NO.	COUNTY
SE 6TH TERRACE	BROWARD

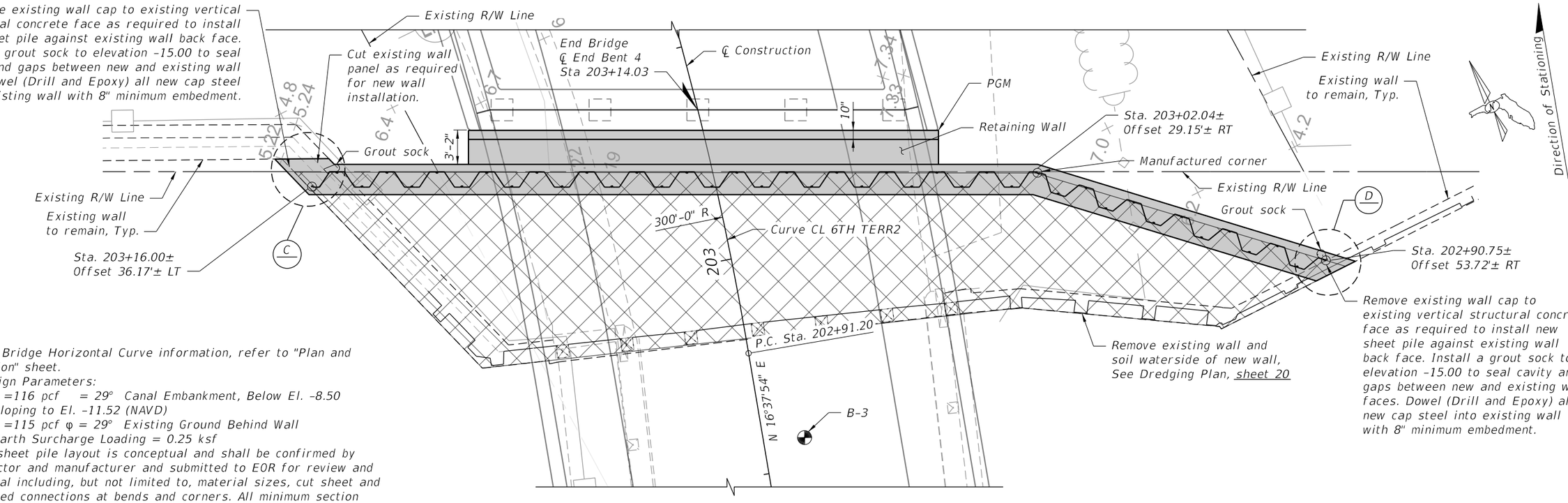
SHEET TITLE: SHEET PILE BULKHEAD WALL - BENT 1

REF. DWG. NO.

PROJECT NAME: SE 6TH TERRACE BRIDGE REPLACEMENT

SHEET NO. BW-01

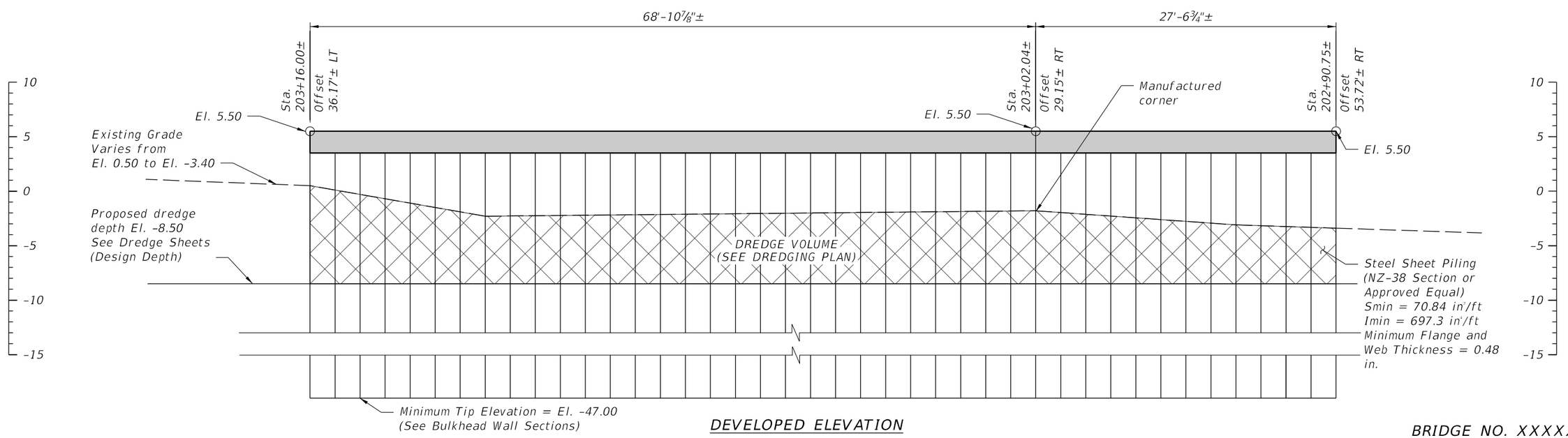
Diego.Madueno 7/25/2025 11:23:48 AM K:\WPB_Design\040985062_Pompano - SE 6th Terr\040985062\struct\BI\BISheetPileWallAnchSteel1-01.dgn



PLAN

Notes:

1. For Bridge Horizontal Curve information, refer to "Plan and Elevation" sheet.
2. Design Parameters:
   - γ =116 pcf = 29° Canal Embankment, Below El. –8.50 sloping to El. –11.52 (NAVD)
   - γ =115 pcf φ = 29° Existing Ground Behind Wall
   - Earth Surcharge Loading = 0.25 ksf
3. All sheet pile layout is conceptual and shall be confirmed by contractor and manufacturer and submitted to EOR for review and approval including, but not limited to, material sizes, cut sheet and proposed connections at bends and corners. All minimum section properties and thickness of the specified section shall be met if an alternate section is proposed.



DEVELOPED ELEVATION

BRIDGE NO. XXXXXX

REVISIONS

Date	By	Description	Date	By	Description

Kimley»Horn
Registration No. 35106
Jon Casey Long, P.E.
P.E. License No. 56083
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Palm Beach Gardens, Florida 33410

Drawn By:	RCA 03-24
Checked by:	JPL 03-24
Designed by:	DAM 03-24
Checked by:	JPL 03-24

THE CITY OF POMPANO BEACH

ROAD NO.	COUNTY
SE 6TH TERRACE	BROWARD

SHEET TITLE: SHEET PILE BULKHEAD WALL - BENT 4

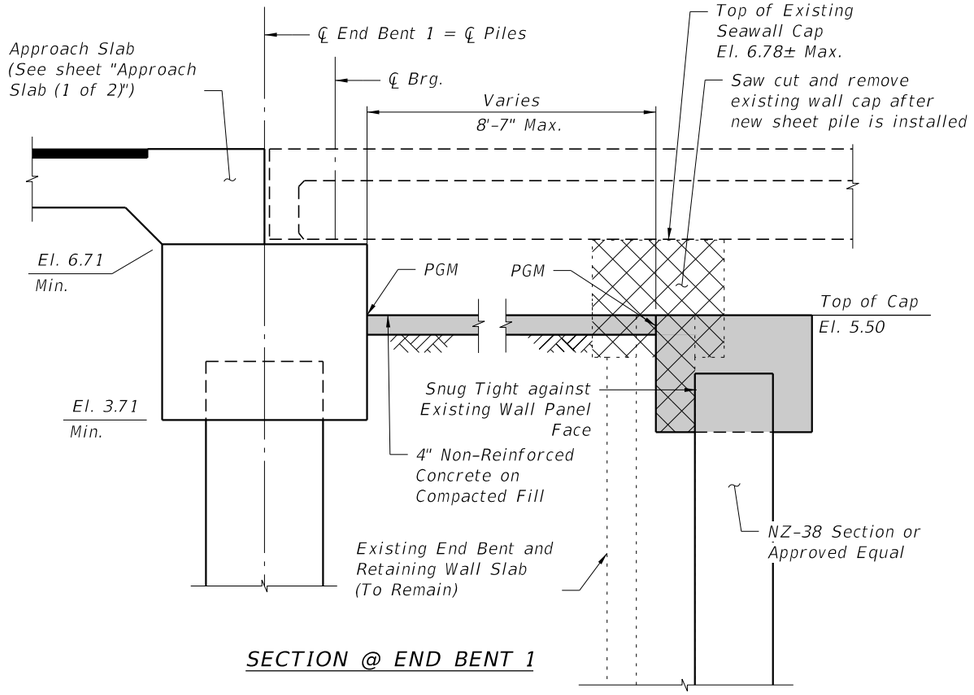
REF. DWG. NO.

PROJECT NAME: SE 6TH TERRACE BRIDGE REPLACEMENT

SHEET NO. BW-02

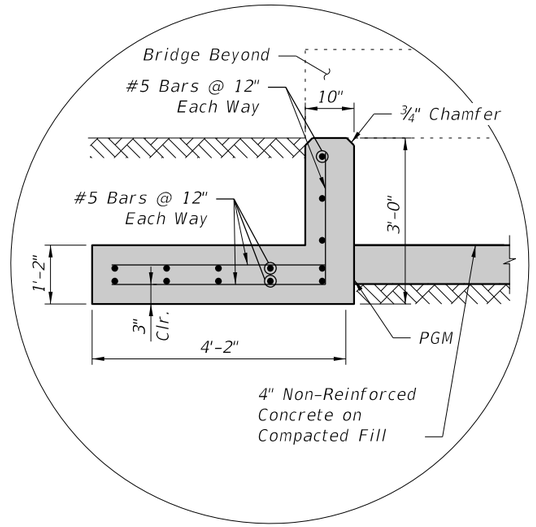
Diego.Madueno 7/25/2025 11:23:53 AM K:\WPB_Design\040985062_Pompano - SE 6th Terr\040985062\struct\BI\BISheetPileWallAnchSteel2-01.dgn

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

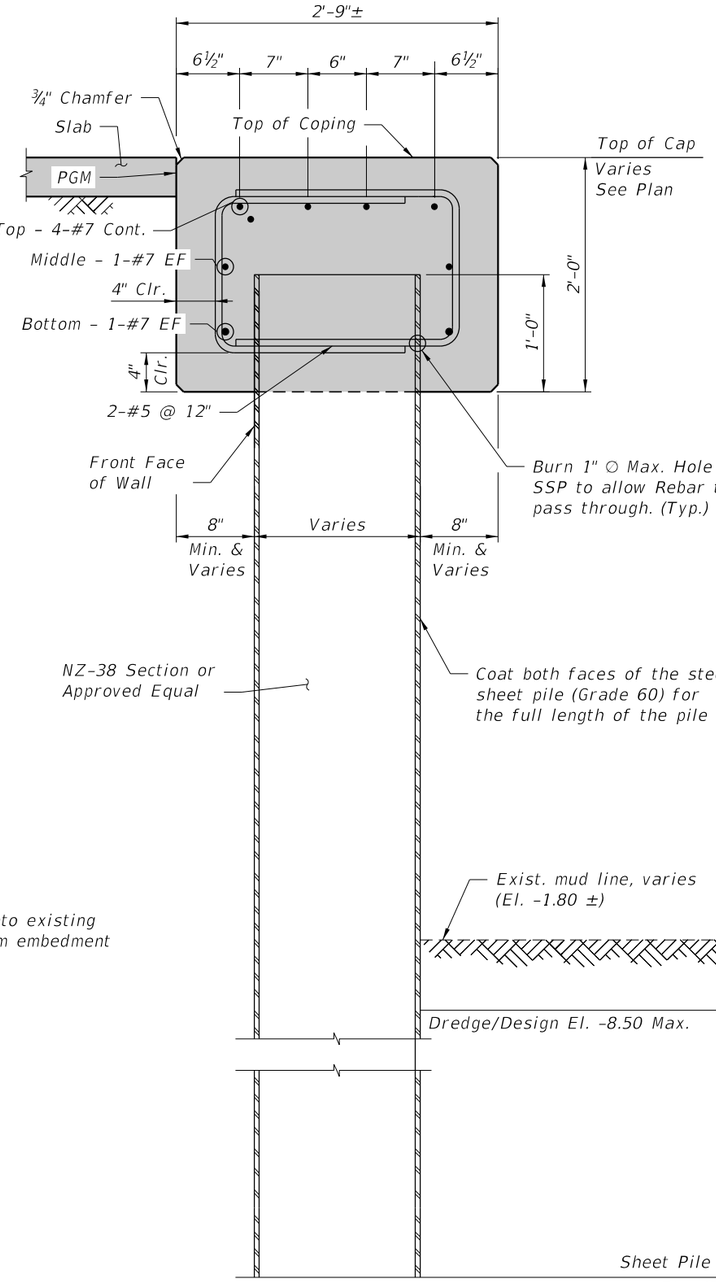


SECTION @ END BENT 1

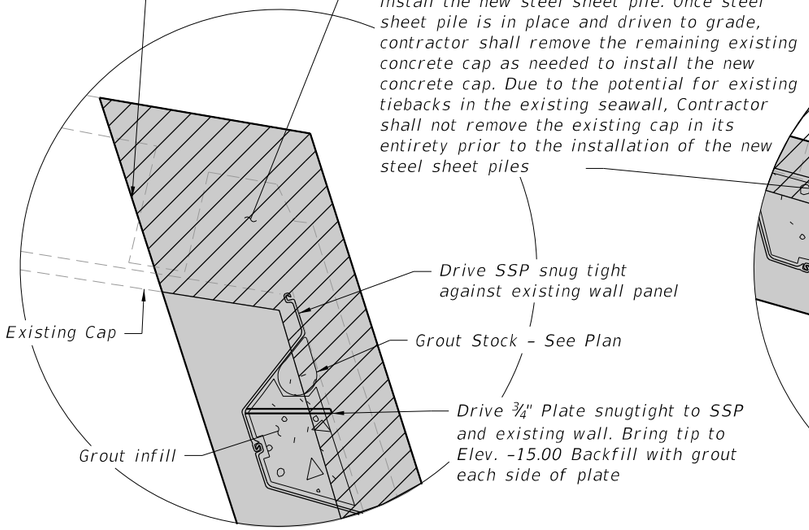
BENT 1 - BULKHEAD WALL COPING CAP QUANTITIES		
ITEM	UNIT	QUANTITY
Concrete (Typical)	CY/FT	0.204
Reinforcing Steel (Typical)	LB/FT	26.43



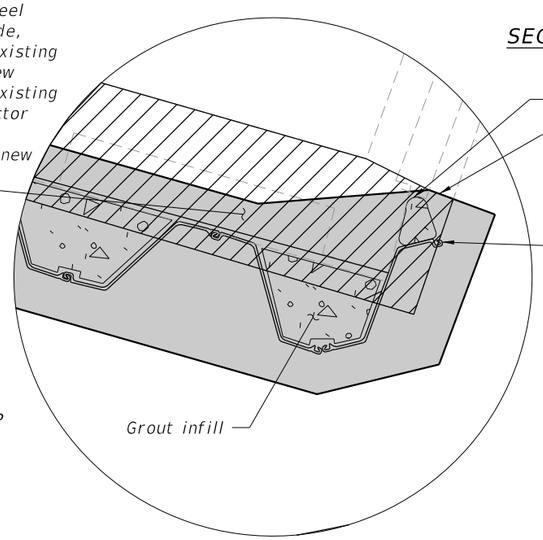
SECTION A-A



TYPICAL SECTION THRU STEEL SHEET PILE WALL WITH CAP



VIEWPORT A



VIEWPORT B

BRIDGE NO. XXXXXX

REVISIONS					
Date	By	Description	Date	By	Description

Kimley»Horn
Registration No. 35106
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P.E. License No. 56083
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Palm Beach Gardens, Florida 33410

Drawn By: RCA 03-24
Checked by: JPL 03-24
Designed by: DAM 03-24
Checked by: JPL 03-24

THE CITY OF POMPANO BEACH

ROAD NO.	COUNTY
SE 6TH TERRACE	BROWARD

SHEET TITLE: BULKHEAD WALL SECTIONS (1 OF 2)

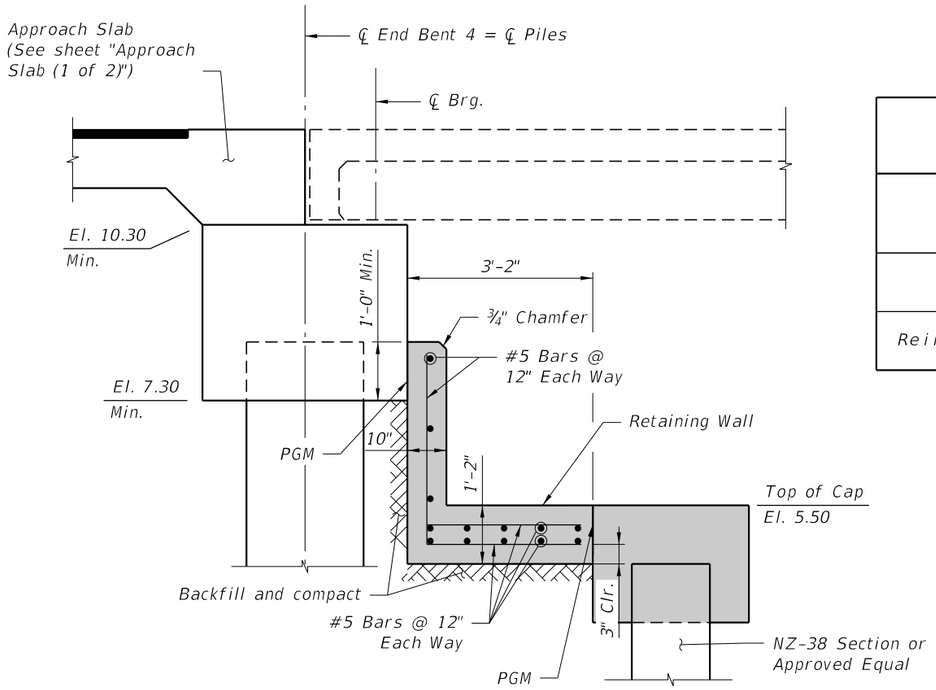
REF. DWG. NO.

PROJECT NAME: SE 6TH TERRACE BRIDGE REPLACEMENT

SHEET NO. BW-03

Diego.Madueno 7/25/2025 11:23:56 AM K:\WPB_Design\040985062_Pompano - SE 6th Terr\040985062\struct\BI\BISheetPileWallAnchSteelDet01.dgn

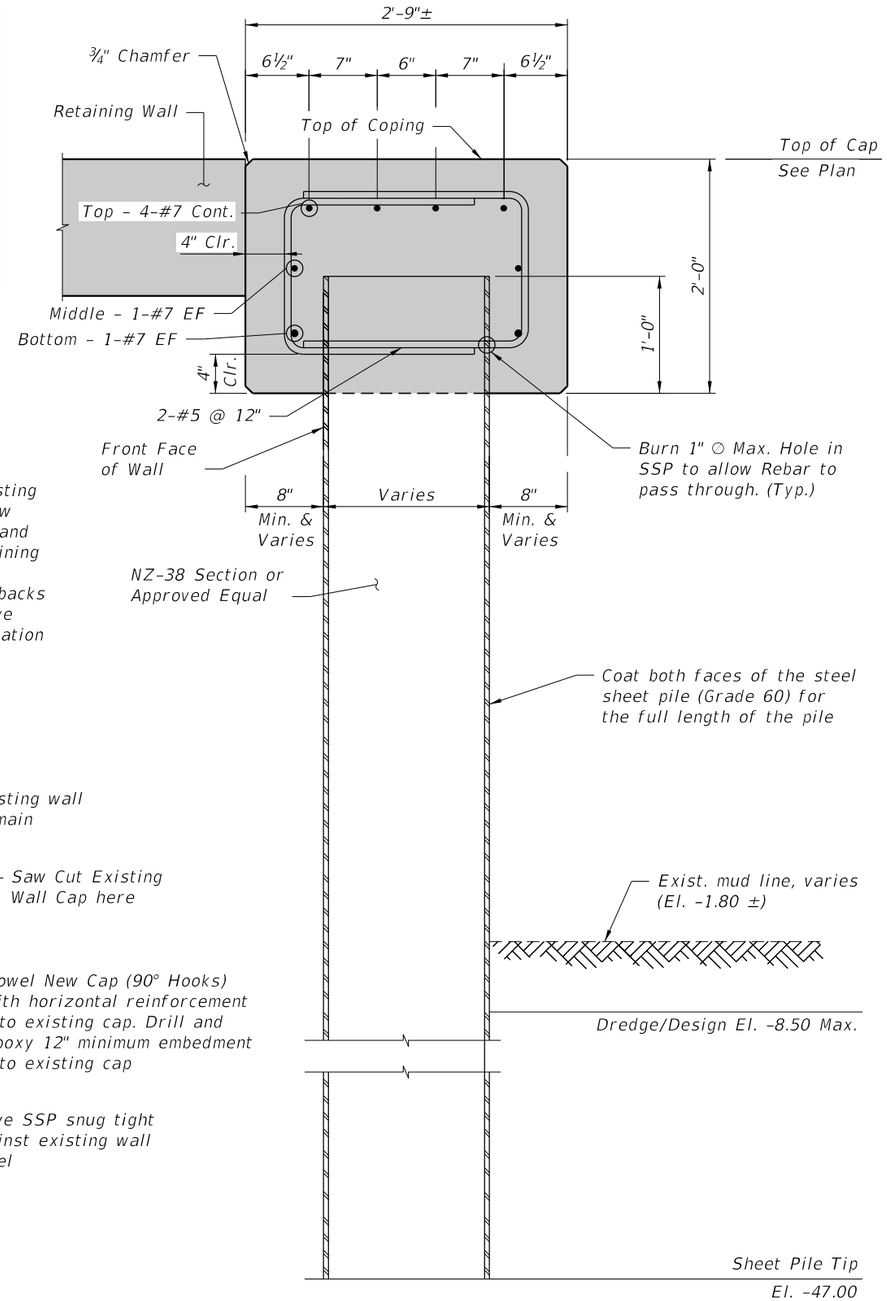
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



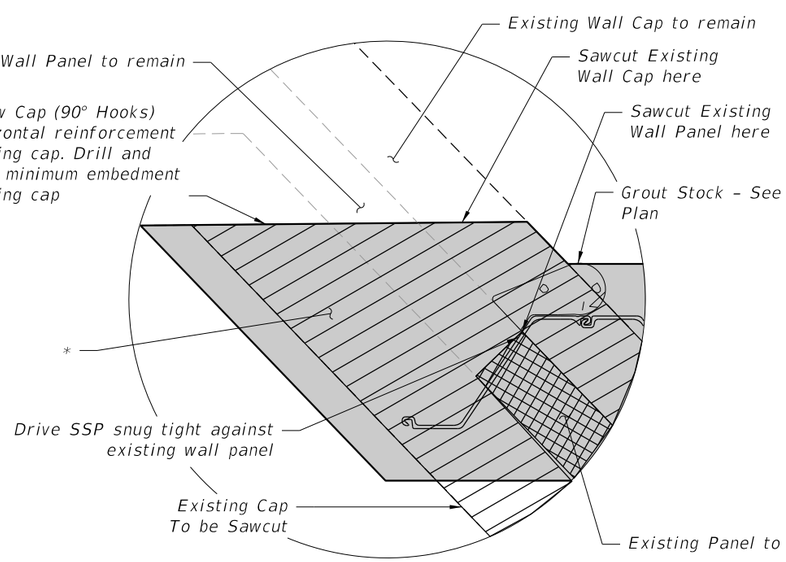
SECTION @ END BENT 4

BENT 4 - BULKHEAD WALL COPING CAP QUANTITIES		
ITEM	UNIT	QUANTITY
Concrete (Typical)	CY/FT	0.204
Reinforcing Steel (Typical)	LB/FT	26.43

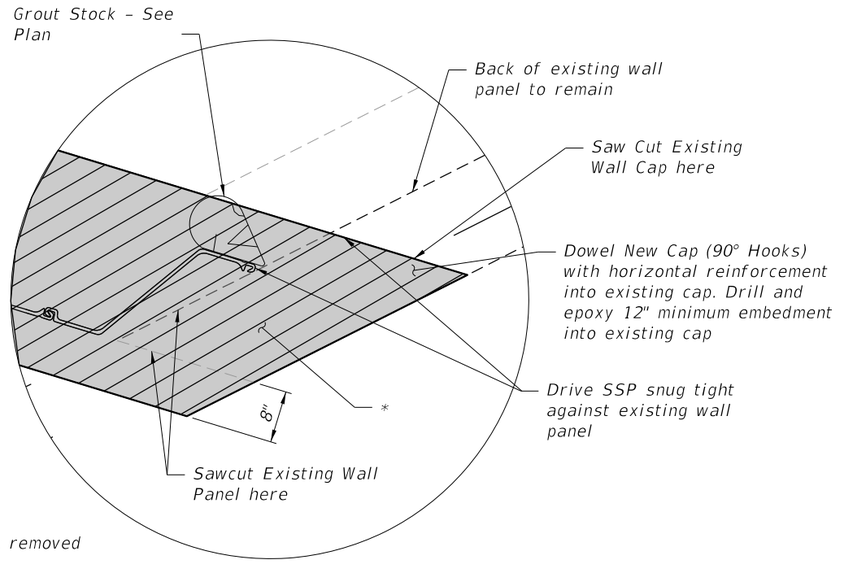
* Contractor shall remove the front face of the existing seawall concrete cap as required to install the new steel sheet pile. Once steel sheet pile is in place and driven to grade, contractor shall remove the remaining existing concrete cap as needed to install the new concrete cap. Due to the potential for existing tiebacks in the existing seawall, Contractor shall not remove the existing cap in its entirety prior to the installation of the new steel sheet piles.



TYPICAL SECTION THRU STEEL SHEET PILE WALL WITH CAP



VIEWPORT C



VIEWPORT D

BRIDGE NO. XXXXXX

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REVISIONS					
Date	By	Description	Date	By	Description

Kimley»Horn
Registration No. 35106
Jon Casey Long, P.E.
P.E. License No. 56083
11601 Kew Gardens Ave, Suite 200
Palm Beach Gardens, Florida 33410

Drawn By: RCA 03-24
Checked by: JPL 03-24
Designed by: DAM 03-24
Checked by: JPL 03-24

THE CITY OF POMPANO BEACH

ROAD NO.	COUNTY
SE 6TH TERRACE	BROWARD

SHEET TITLE: BULKHEAD WALL SECTIONS (2 OF 2)

REF. DWG. NO.

PROJECT NAME: SE 6TH TERRACE BRIDGE REPLACEMENT

SHEET NO. BW-04

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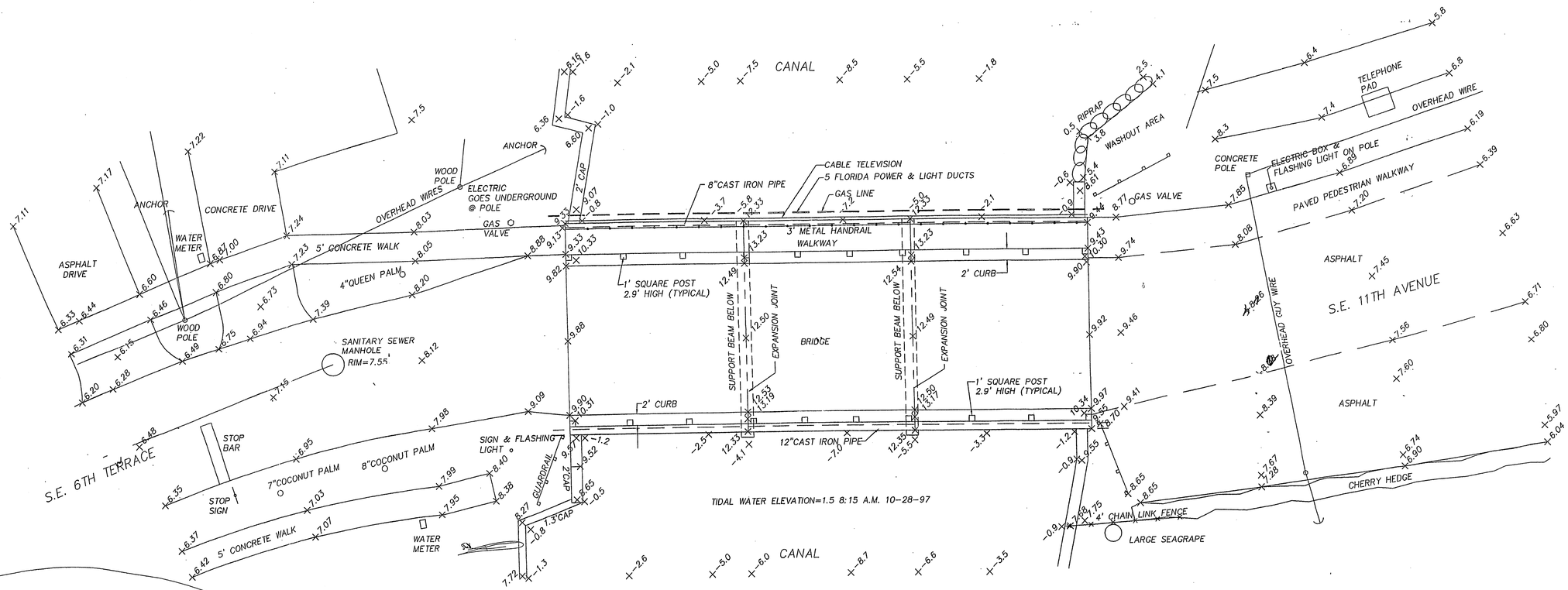
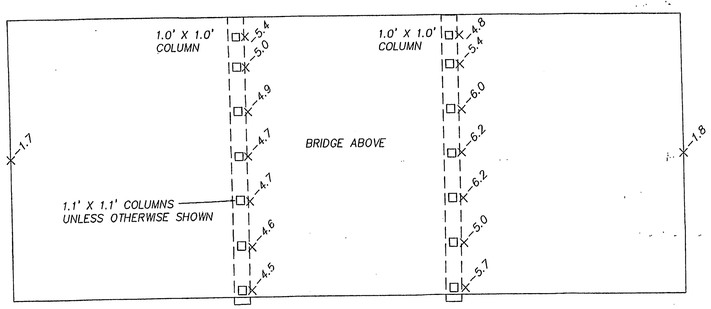
SKETCH OF SURVEY
SPECIFIC PURPOSE SURVEY

FOR INFORMATION PURPOSES ONLY





DETAIL UNDER BRIDGE

NOTES:

ELEVATIONS SHOWN HEREON ARE BASED ON THE NATIONAL GEODETIC VERTICAL DATUM OF 1929.

BENCH MARK REFERENCES: BROWARD COUNTY ENGINEERING DIVISION BENCH MARK 978: US ARMY CORPS OF ENGINEERS SURVEY MARK, NE WINGWALL OF BRIDGE SOUTHEAST 6TH TERRACE AND POMPANO CANAL. ELEVATION=9.583

CERTIFICATE:

WE HEREBY CERTIFY THAT THIS SPECIFIC PURPOSE SURVEY WAS MADE ON THE GROUND, CONFORMS TO THE MINIMUM TECHNICAL STANDARDS FOR LAND SURVEYING IN THE STATE OF FLORIDA, AS OUTLINED IN CHAPTER 61G17-6, (FLORIDA ADMINISTRATIVE CODE) AS ADOPTED BY THE DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION , BOARD OF LAND SURVEYORS AND MAPPERS, PURSUANT TO CHAPTER 472.027, FLORIDA STATUTES AND THAT SAID SURVEY IS TRUE AND CORRECT TO THE BEST OF OUR KNOWLEDGE AND BELIEF AS SURVEYED UNDER OUR RESPONSIBLE DIRECTION IN OCTOBER, 1997.

CRAVEN THOMPSON & ASSOCIATES, INC.

DENNIS M. BEALE
PROFESSIONAL SURVEYOR AND MAPPER No. 3606
STATE OF FLORIDA

DATE OF LAST FIELD WORK: 10-28-97

BRIDGE 'B'

BY:	DATE:	DESCRIPTION:

DATE: 10/25/97
SCALE: 1"= 10'
DRAWN BY: DB
CHECKED BY: D.M.D.
FIELD BOOK 1624
PAGE 39-46

CRAVEN • THOMPSON & ASSOCIATES, INC.
ENGINEERS • PLANNERS • SURVEYORS
3563 N.W. 53RD STREET FORT LAUDERDALE, FLORIDA 33309 (954) 739-6400
FAX: (954) 739-6409

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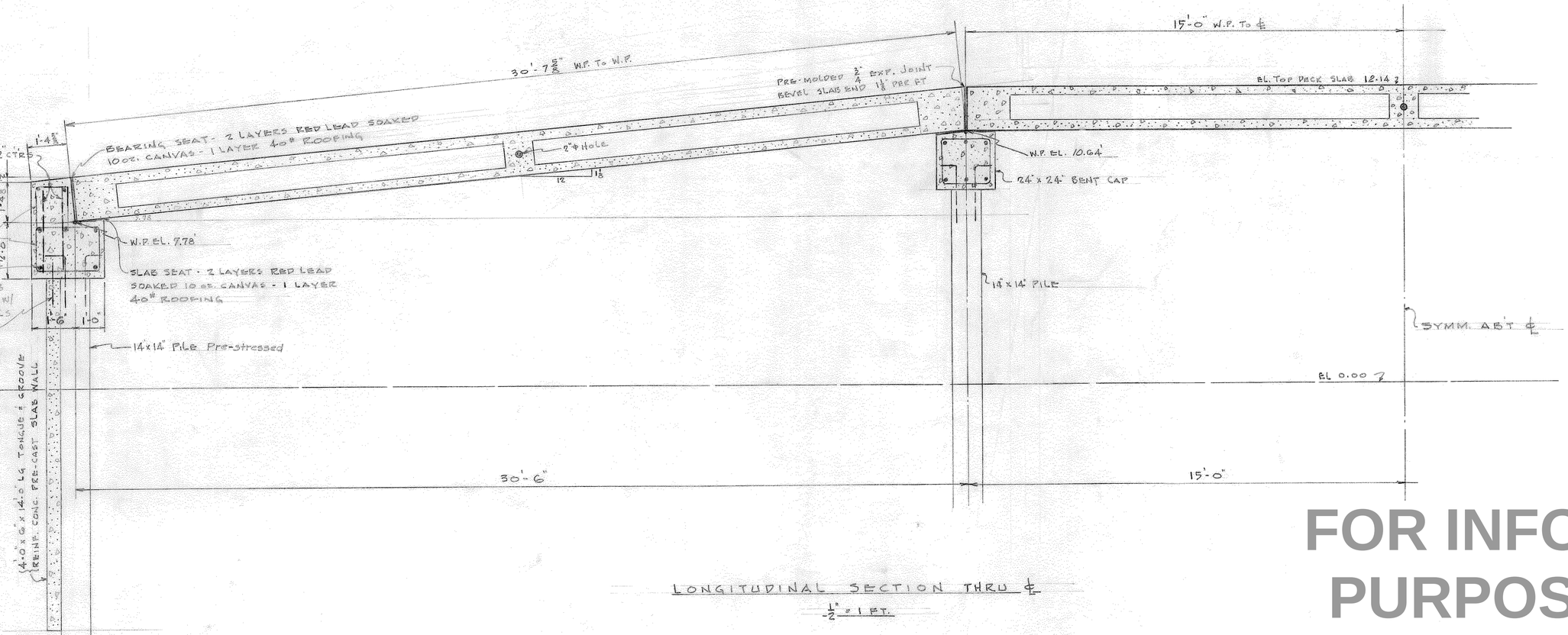
CITY OF POMPANO BEACH
BRIDGE LOCATION
S.E. 11TH AVE/S.E.6TH TERR.

PROJECT NO. 97-0098

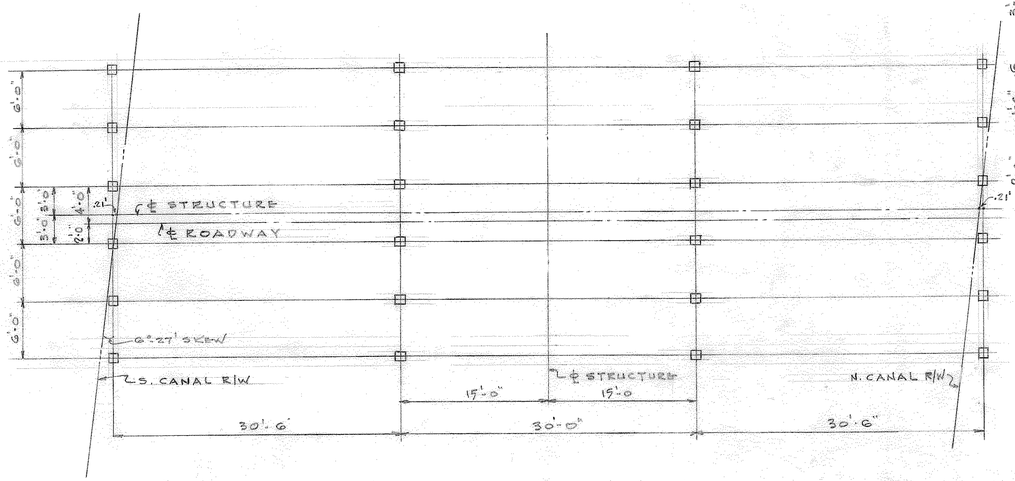
SHEET 1 OF 1

I:\1009\97-4152\9798bps.dwg Mon Aug 03 15:25:08 1998 Robin



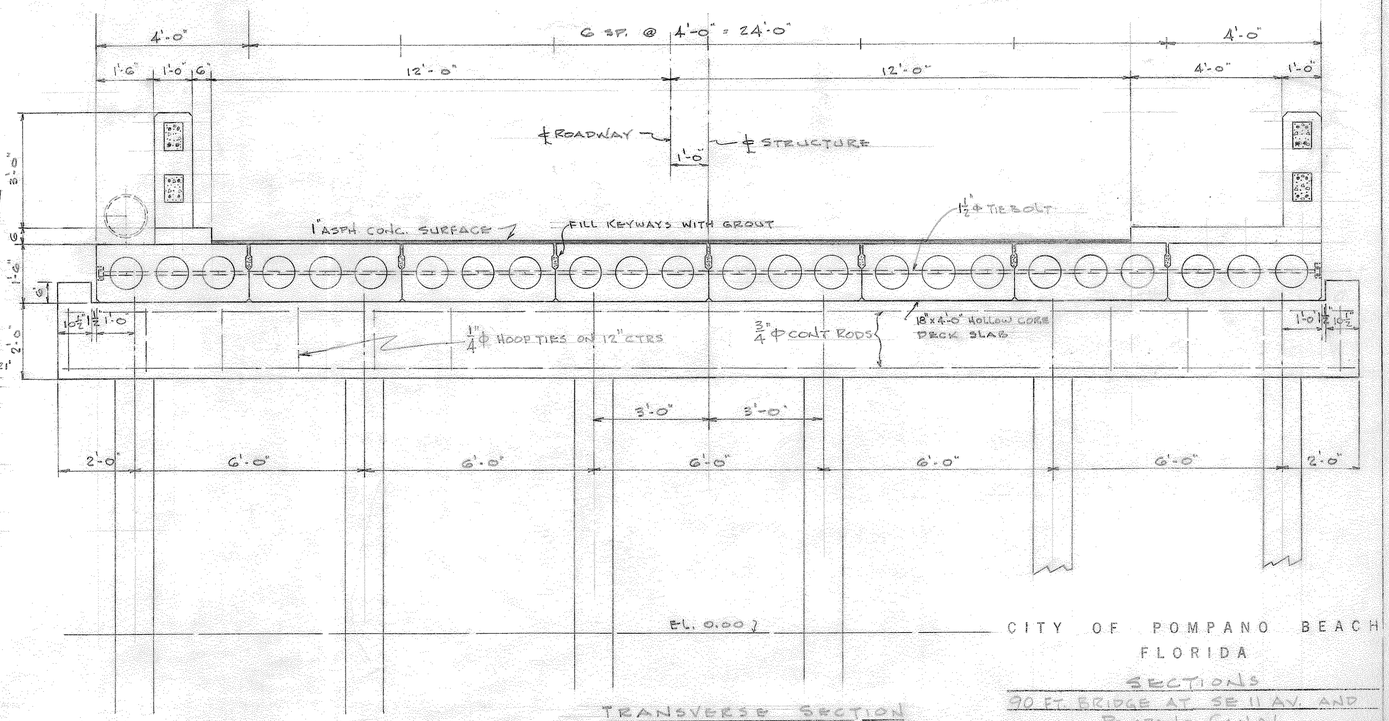
LONGITUDINAL SECTION THRU ℄

1/2" = 1 FT.



PILING PLAN

1/8" = 1 FT.



TRANSVERSE SECTION

1/2" = 1 FT.

Approved By Wm. J. Caven
Reg. Engr. No. 5195

CITY OF POMPANO BEACH
FLORIDA

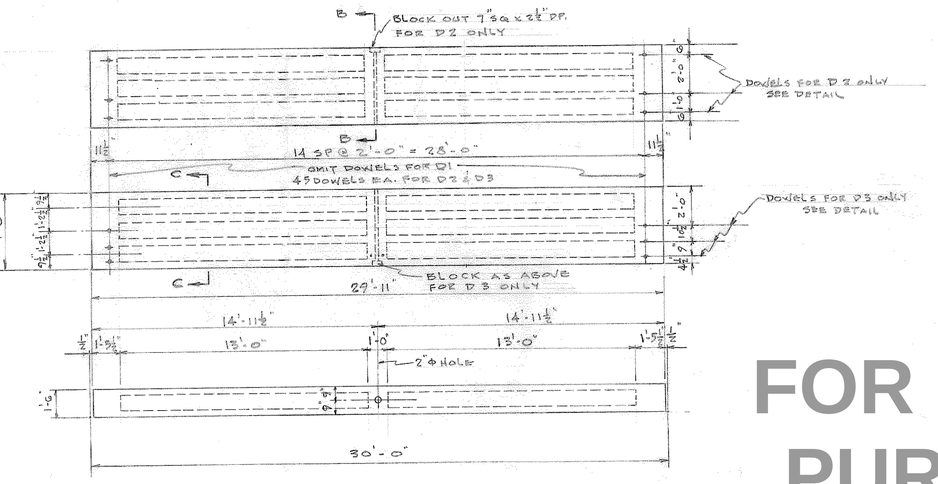
SECTIONS

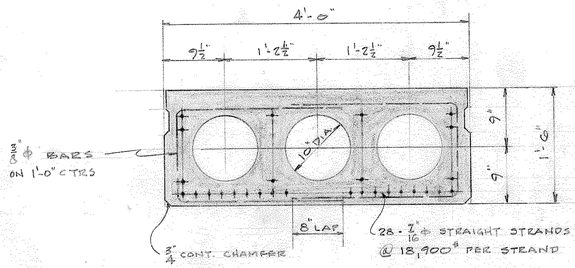
90 FT. BRIDGE AT SE 11 AV. AND POMPANO CANAL

DATE 6-17-59 SCALE: As NOTED
DRAWN BY SLW APPR BY
PROJECT # SHEET # 3 OF 5

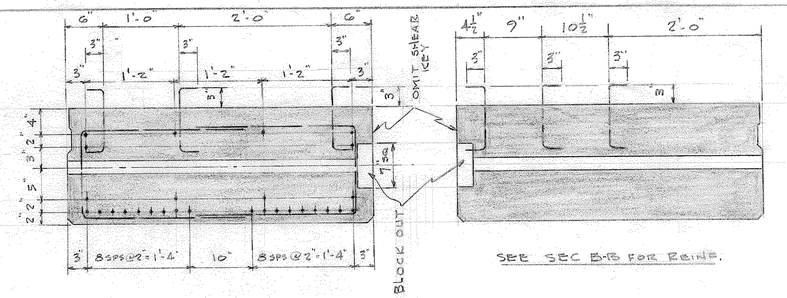
FOR INFORMATION
PURPOSES ONLY

3-19



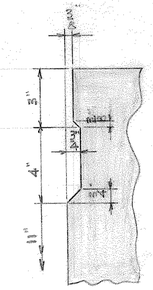


SECTION A-A
1" = 1 FT.



SECTION B-B
1" = 1 FT.

SECTION C-C
1" = 1 FT.



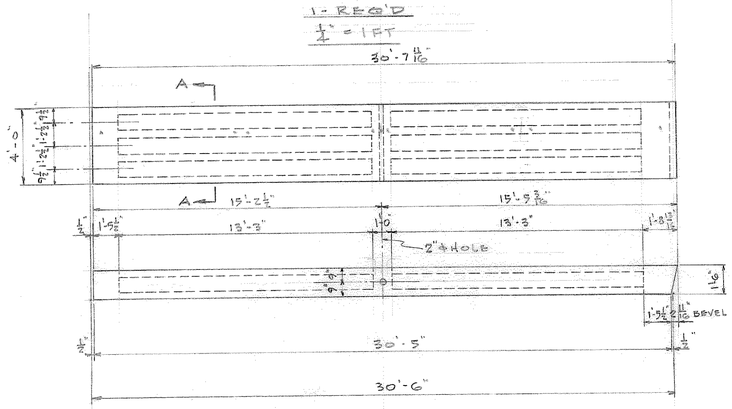
FOR INFORMATION PURPOSES ONLY

DECK SLAB - D1
6 - REQ'D

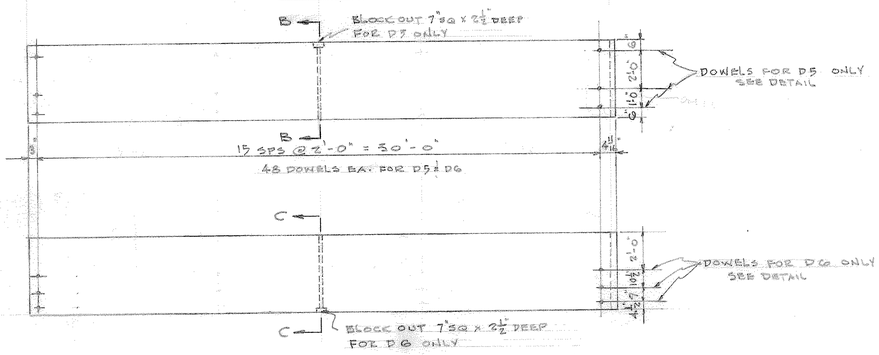
DECK SLAB - D2
1 - REQ'D

DECK SLAB - D3
1 - REQ'D

1" = 1 FT



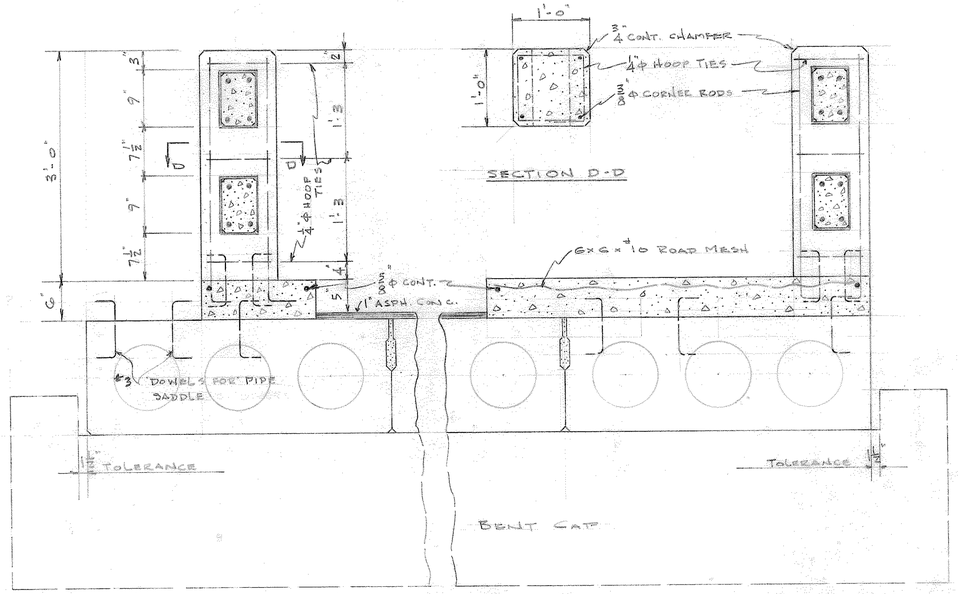
DECK SLAB - D4
12 - REQ'D
½" = 1 FT



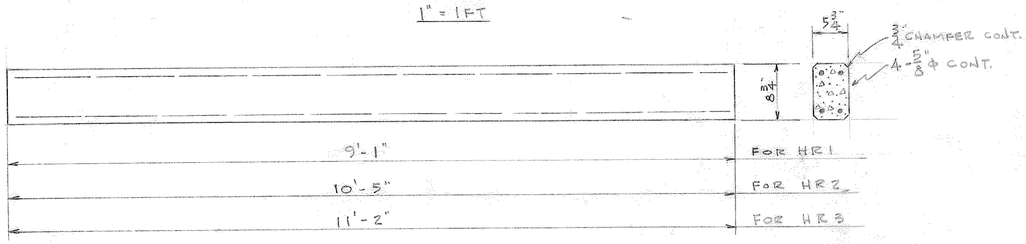
DECK SLAB -	D5R	AS SHOWN	1 - REQ'D		
"	"	D6R	"	"	"
"	"	D5L	OPP. HAND		"
"	"	D6L	"	"	"

½" = 1 FT

NOTE:
D5L & D6L SAME AS D4 EXCEPT AS NOTED

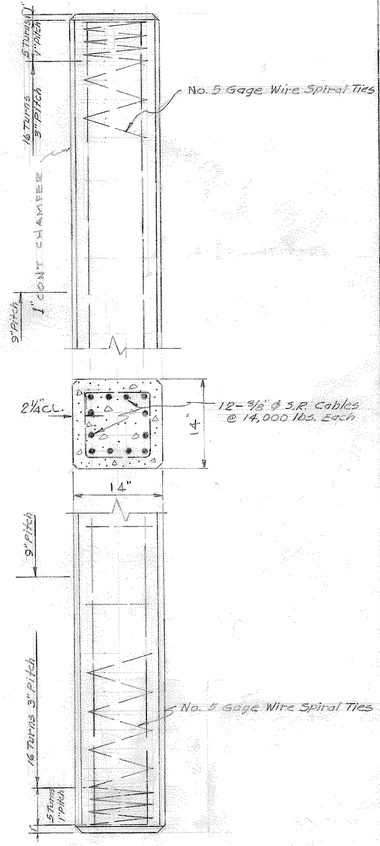


HAND RAIL POST - P1
20 REQ'D
1" = 1 FT



HAND RAIL - HR1 - 12 REQ'D
" " HR2 16 REQ'D
" " HR3 8 REQ'D

1" = 1 FT.



PRE-STRESSED CONC. PILE P2 - 24 REQ'D
1" = 1 FT.

NOTE:
Shop Drawings & Design Data to be Submitted to Engineer for Approval.

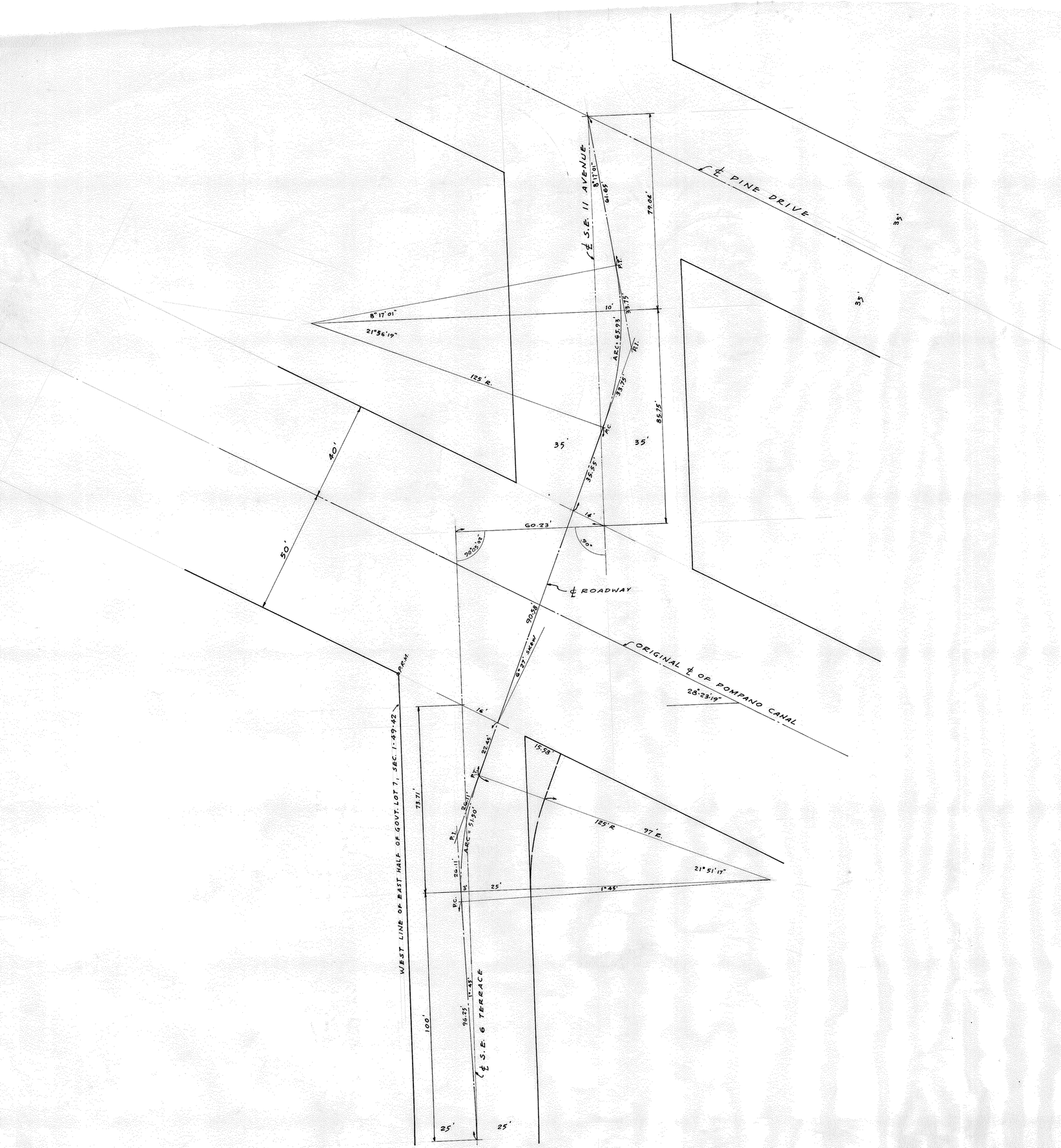
Approved by Warren S. Caine
Reg. Engr. No. 5195

CITY OF POMPANO BEACH
FLORIDA

DETAILS
90 FT BRIDGE AT SE 11 AV AND POMPANO CANAL

DATE: 6-18-59 SCALE: AS NOTED
DRAWN BY Steeth APPR BY
PROJECT # SHEET # 4 OF 5

5-19



FOR INFORMATION PURPOSES ONLY

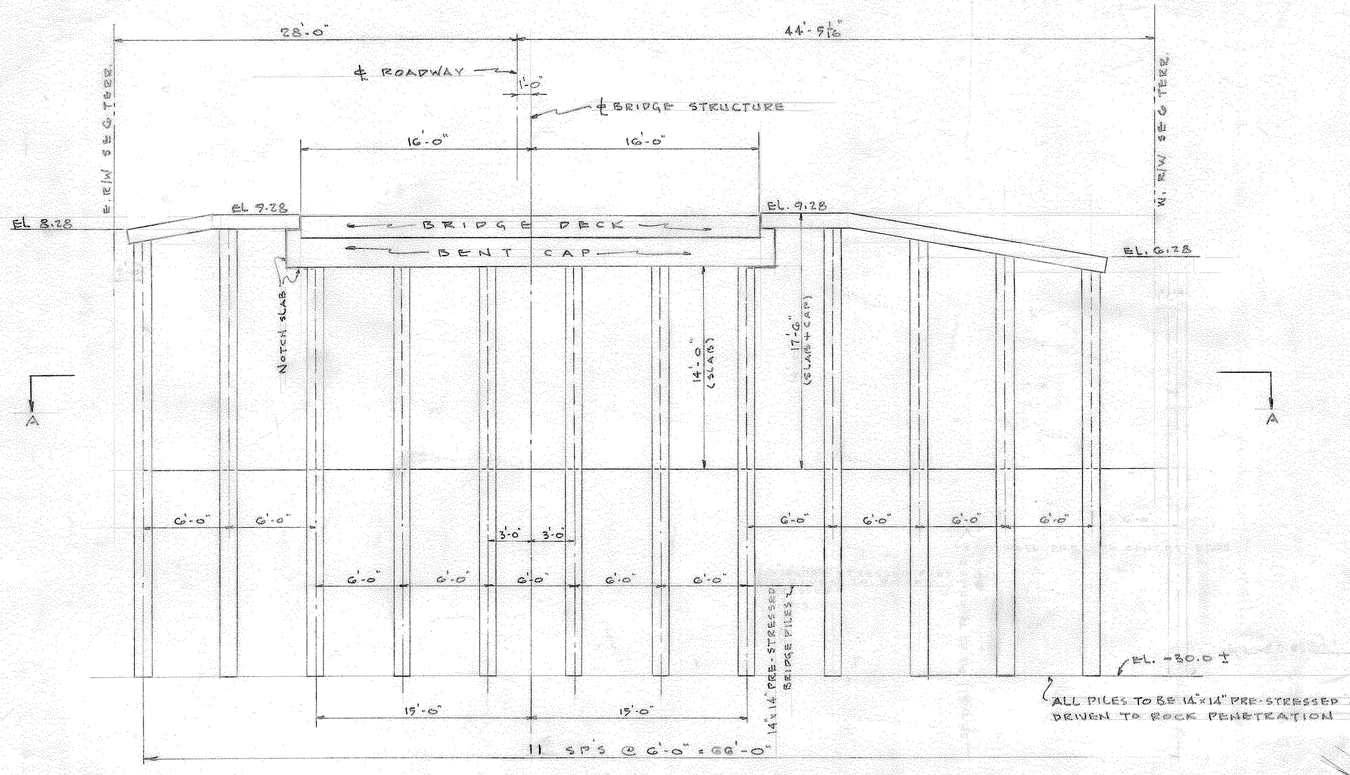
CITY OF POMPANO BEACH
FLORIDA

LAYOUT OF ℄ OF 24' ROADWAY FOR 90' BRIDGE ACROSS POMPANO CANAL AT S.E. 11 AVE.

DATE: 7-10-59
DRAWN BY Sleeth
PROJECT # 59-20 AC

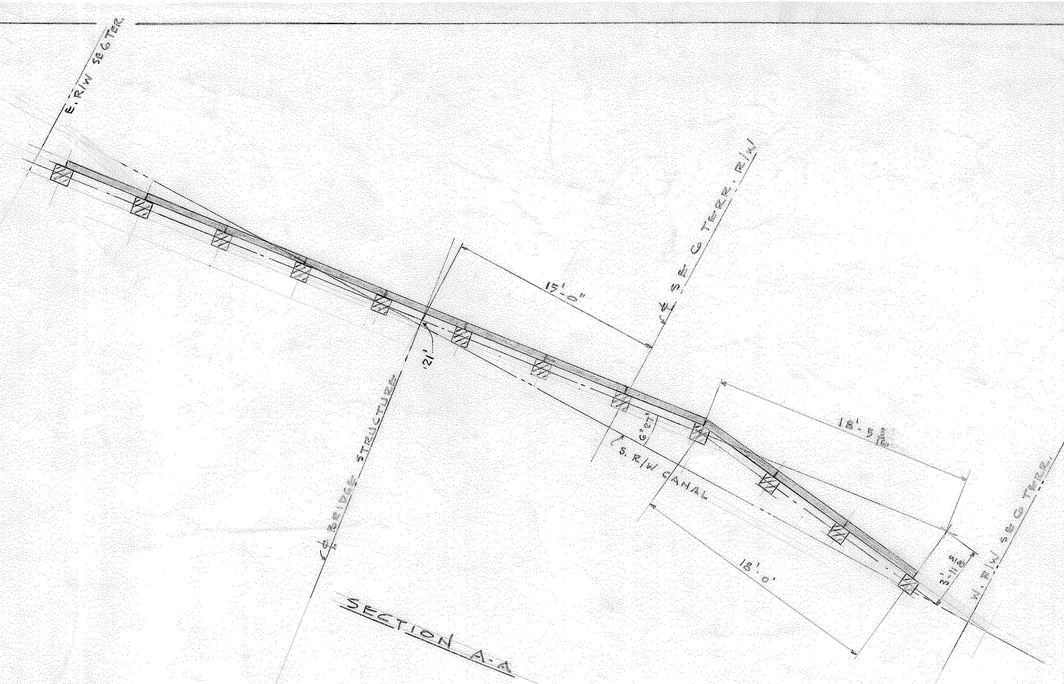
SCALE: 1" = 20 FT.
APPR BY.
SHEET # 1 A

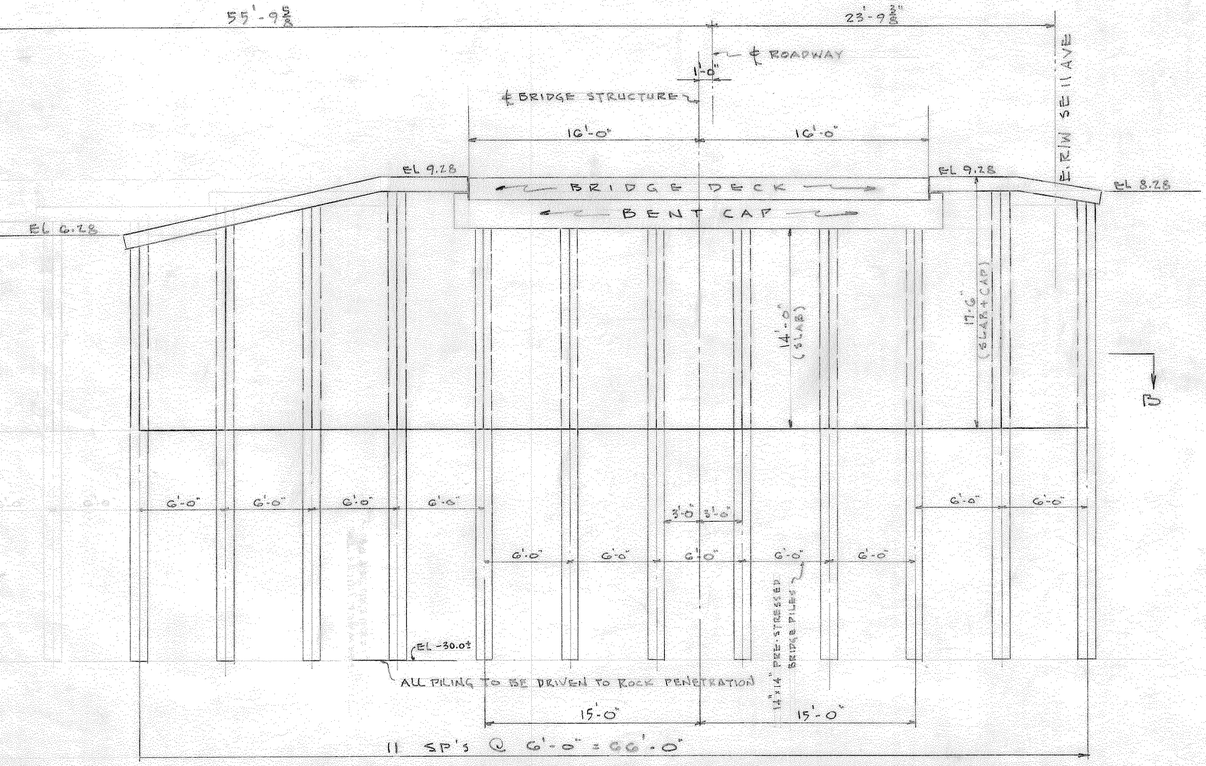
S-19



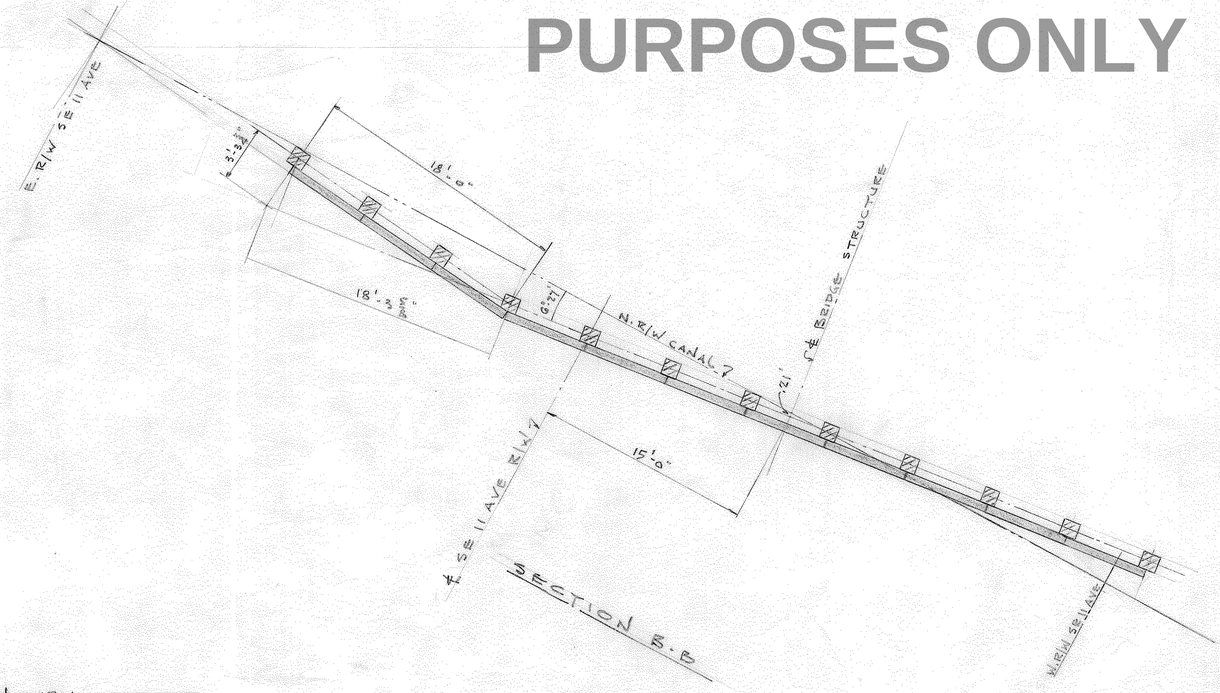
NORTH ELEVATION OF S. SIDE RETAINING WALL

$\frac{3}{16}$" = 1 FOOT





NORTH ELEVATION OF N. SIDE RETAINING WALL



NOTE:
RETAINING WALL PILING TO BE SAME AS BRIDGE PILING "P2" AS DETAILED ON SHEET 4 OF 5

FOR INFORMATION PURPOSES ONLY

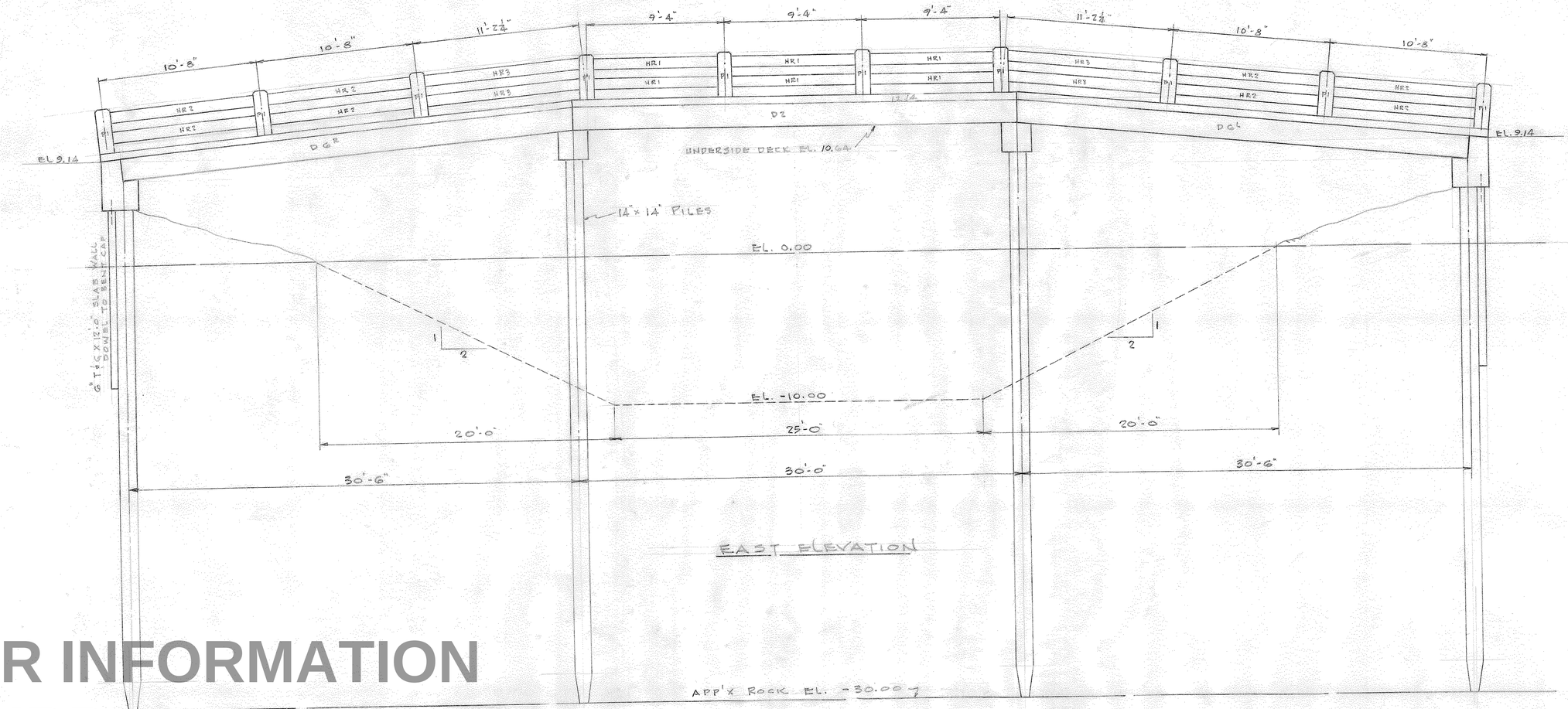
CITY OF POMPANO BEACH
FLORIDA

RETAINING WALLS FOR
90 FT BRIDGE CROSSING
POMPANO CANAL AT SE 11 AV.

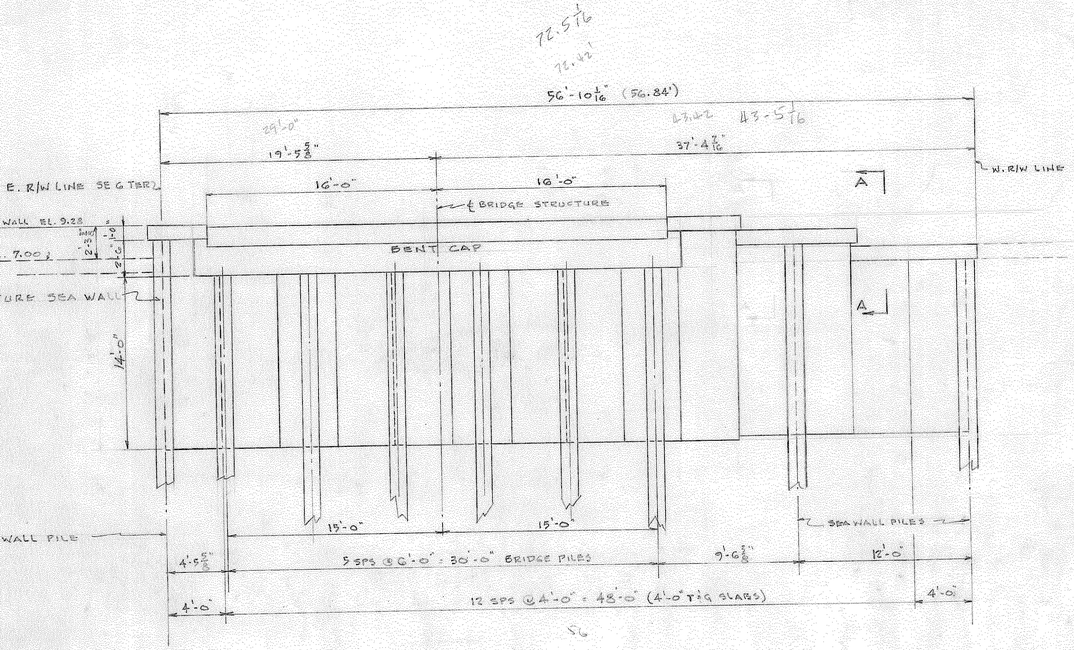
DATE 9-2-59 SCALE: $\frac{3}{16}$" = 1 FT.
DRAWN BY B.S. APPR BY
PROJECT # SHEET # 5 OF 5 REV

REVISED 9-10-59

5-19

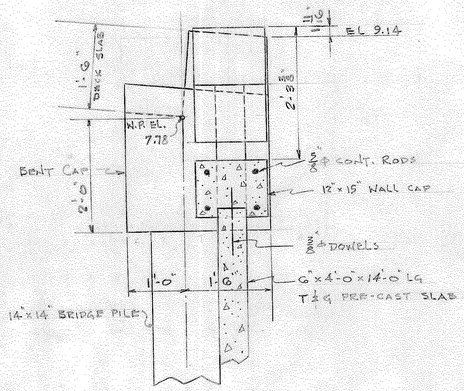

10'-8"
10'-8"
11'-2½"
9'-4"
9'-4"
9'-4"
11'-2½"
10'-8"
10'-8"
HR1
HR2
HR3
P1
D2
D2
D1
D1
D1
D1
D1
D1
D2
D1
D2
D1
D2

FOR INFORMATION
PURPOSES ONLY



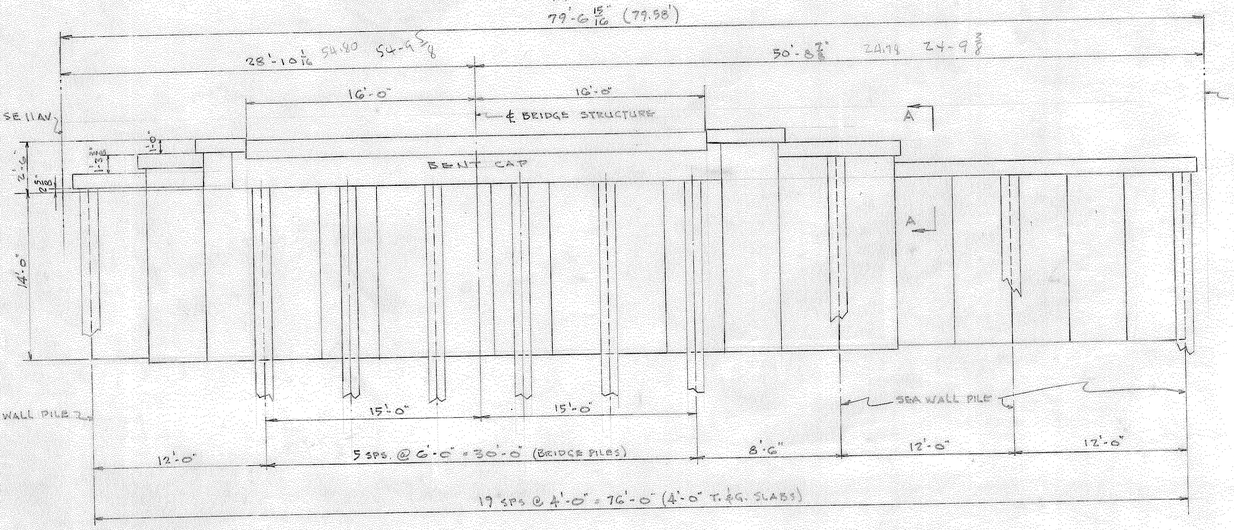
NORTH ELEVATION OF S. SIDE RETAINING WALL (S.E. 6 TER.)

3/16" = 1 FT.



SECTION A-A

3/4" = 1 FT.



SOUTH ELEVATION OF N. SIDE RETAINING WALL (SE 11 AV)

3/16" = 1 FT.

NOTE:

RETAINING WALL TO BE 6" THK. PRE-CAST CONC. TONGUE & GROOVE TYPE OF APPROVED DESIGN TO BEAR ON BRIDGE PILES IN WAY OF BRIDGE AND ON WHATEVER ADDITIONAL PILES THAT ARE REQUIRED TO COMPLETE TOTAL LENGTH

Approved By Warren J. Lewis
Reg. Engr. No. 5195

CITY OF POMPANO BEACH
FLORIDA

RETAINING WALLS
90 FT. BRIDGE CROSSING POMPANO CANAL AT S.E. 11 AV.

DATE: 6-22-59 SCALE: AS NOTED
DRAWN BY Sleath APPR BY
PROJECT # SHEET # 5 OF 5

5-19

NOTE:
Shop Drawings & Design Data to be Submitted to Engineer for Approval.

Approved by William L. Cox
Reg. Engr. No. 5795

CITY OF POMPANO BEACH
FLORIDA

LAYOUT & PLOT PLAN OF 30FT.
BRIDGE CROSSING POMPANO
CANAL AT SE 11 AVENUE
REV. 8-31-59
DATE 6/11/59
DRAWN BY Sleeth
PROJECT #
SCALE 1"=20FT.
APPR BY
SHEET # 1 of 5

S-19

FOR INFORMATION PURPOSES ONLY

N

℄ EXISTING BRIDGE

CONSTRUCT NEW CURB ON EAST SIDE OF BRIDGE

REMOVE EXISTING SIDEWALK

CONSTRUCT NEW CURB

15'-0" EXISTING BRIDGE

5'-4" NEW SIDEWALK

A

B

C

D

SHEET 2

PLAN
1/4" = 1'-0"

30'-0"
(CONTRACTOR TO CONFIRM IN FIELD)

30'-8 5/8" (CONTRACTOR TO CONFIRM IN FIELD)

7'-2" 7'-2" 3'-7" 3'-7" 7'-2" 7'-2"

15 3/8"

7'-2" 7'-2" 7'-2" 7'-2"

ELEV. 12.14

ELEV. 9.14

EXIST 14" ⊖ PILES & 6" CONC. WALL

NEW 12" PRESTRESSED PILING
R.H. WRIGHT 12 CP 4 7
DRIVE TO 25 TONS BEARING
CENTER PILES ON EXISTING BENTS

ELEV -30.0 ±

ELEVATION
1/4" = 1'-0"

FOR INFORMATION PURPOSES ONLY

SE 11 AVE. BRIDGE IMPROVEMENT

SCALE: AS SHOWN | PROJECT NO 64-2-E | DRAWN BY R.C.M.

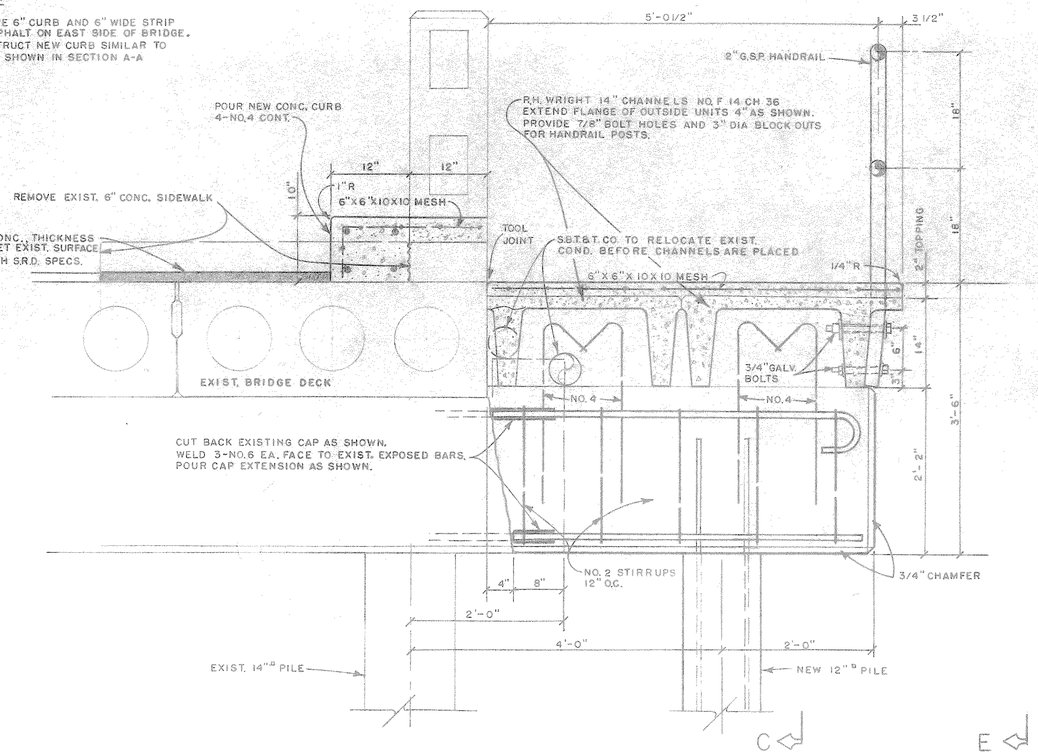
DATE: DEC. 1963 | REVISED

CITY OF POMPANO BEACH, FLORIDA

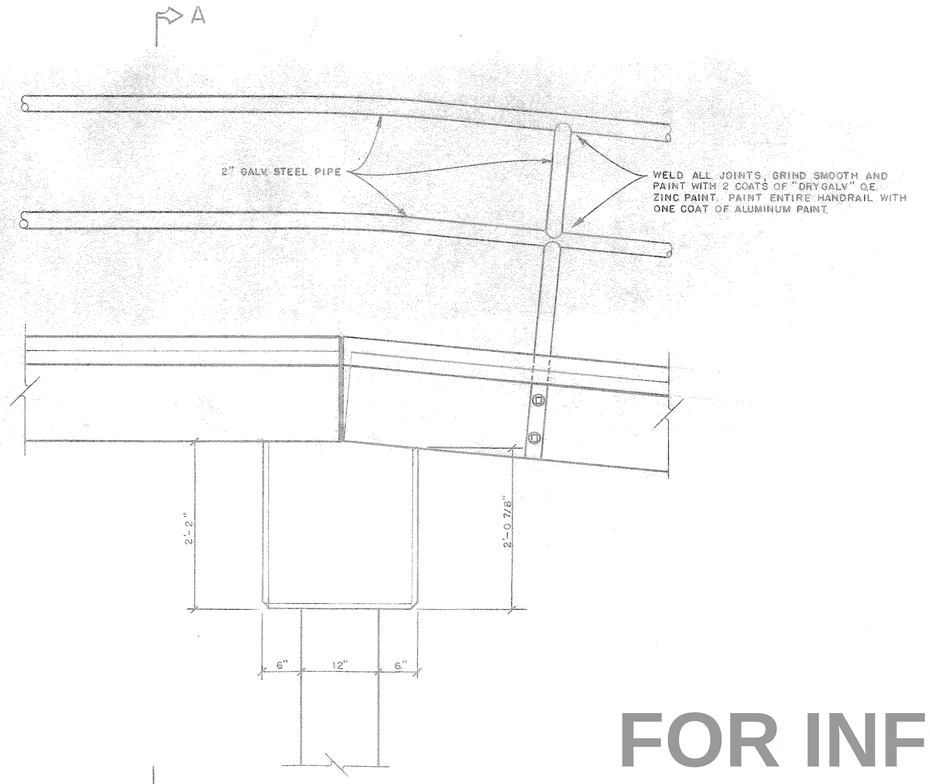
Richard C. Miller
CITY ENGINEER
FLORIDA REGISTRATION NO. 3555

OFFICE OF CITY ENGINEER | DRAWING NUMBER 1 OF 2

S-66

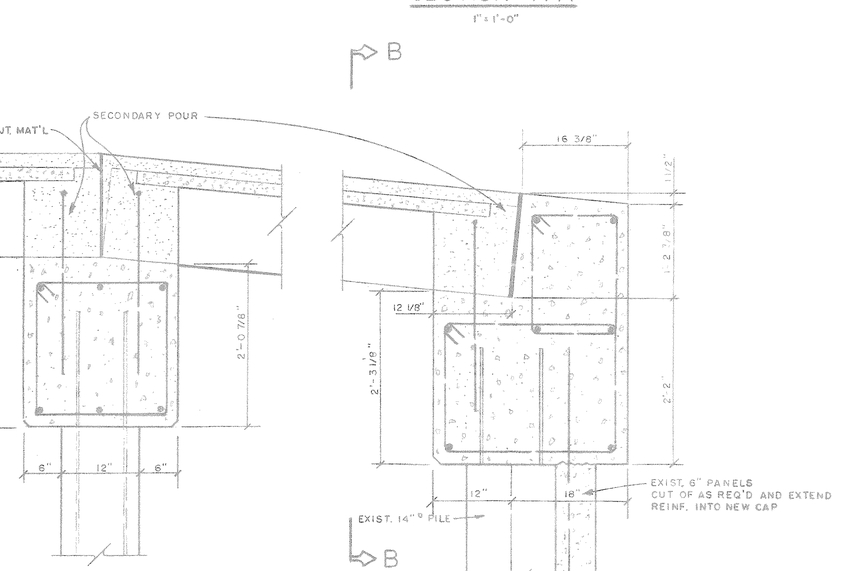


SECTION A-A
1" = 1'-0"



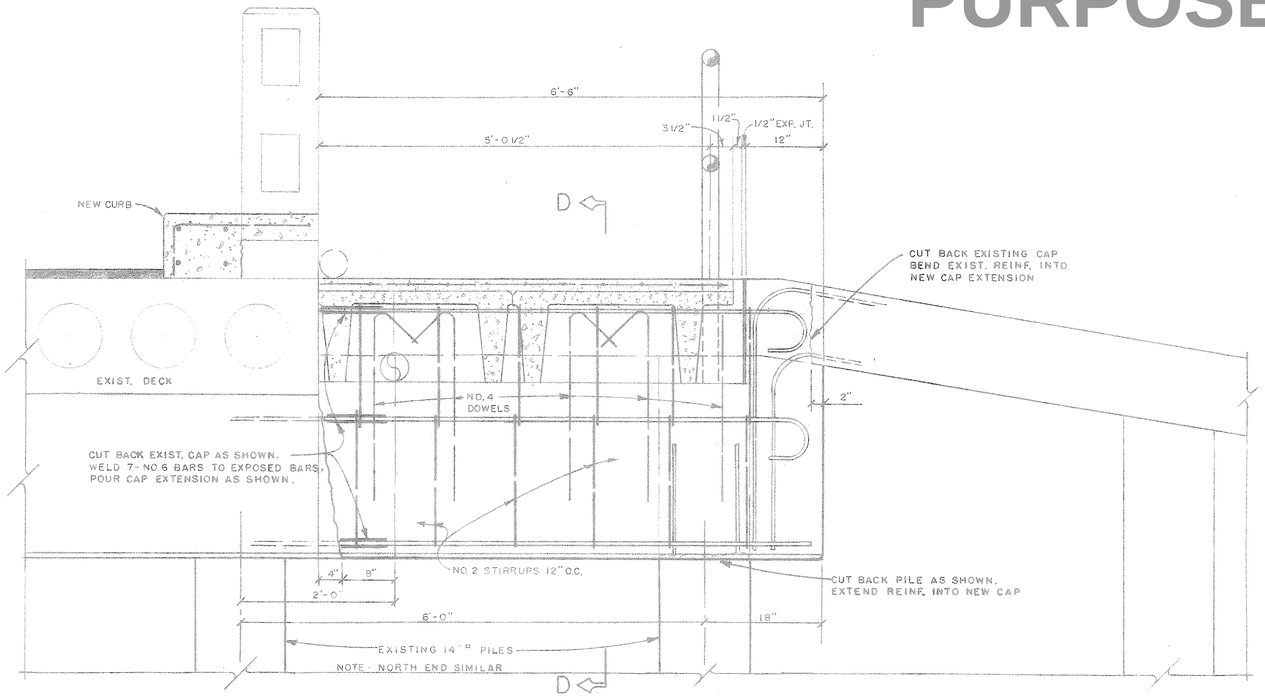
SECTION E-E
1" = 1'-0"

FOR INFORMATION PURPOSES ONLY



SECTION C-C
1" = 1'-0"

SECTION D-D
1" = 1'-0"



SECTION B-B
1" = 1'-0"

NOTES

1. ALL CONCRETE SHALL HAVE 28 DAY MIN. COMPRESSIVE STRENGTH OF 3000 P.S.I.
2. FABRICATION AND ERECTION OF REINFORCING SHALL CONFORM WITH A.C.I. CODE

Richard C. Mills
CITY ENGINEER
FLORIDA REGISTRATION NO. 3555

S.E. 11TH AVE. BRIDGE IMPROVEMENT

SCALE: AS SHOWN	PROJECT NO. 64-2-E	DRAWN BY: R.C.M.
DATE: DEC. 1963		REVISED

CITY OF POMPANO BEACH, FLORIDA

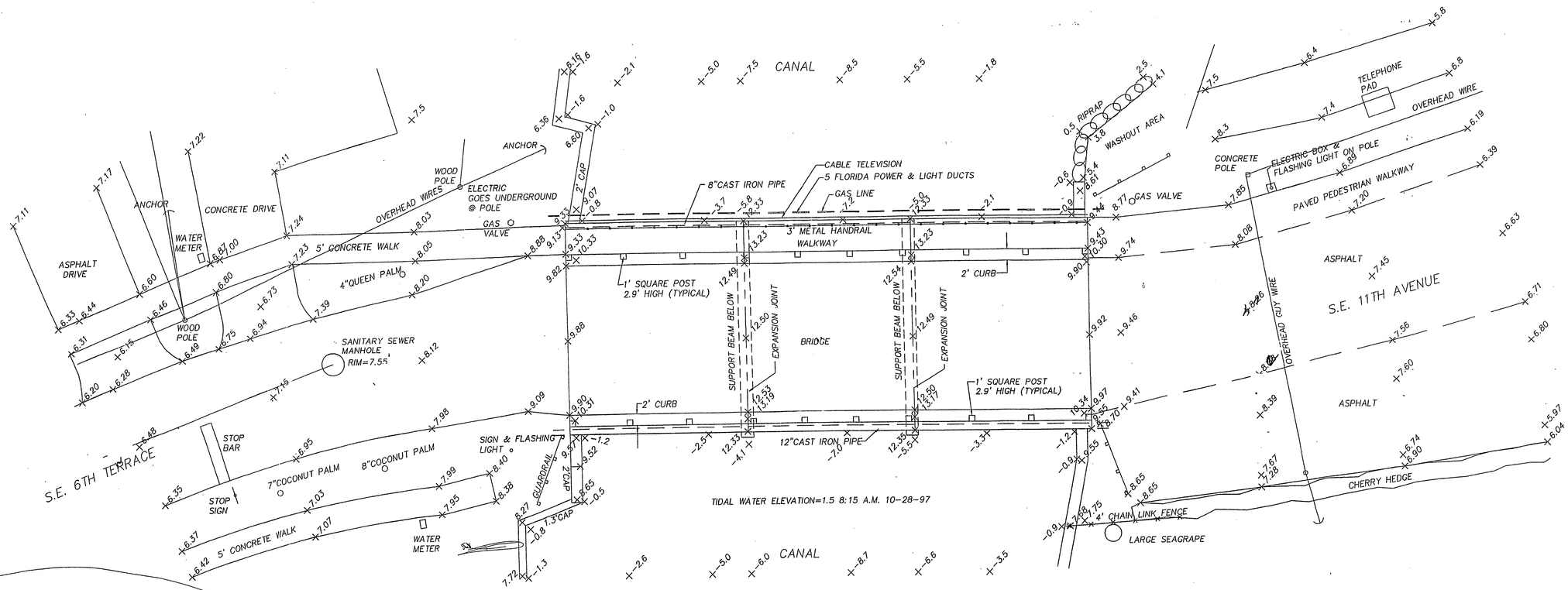
OFFICE OF CITY ENGINEER

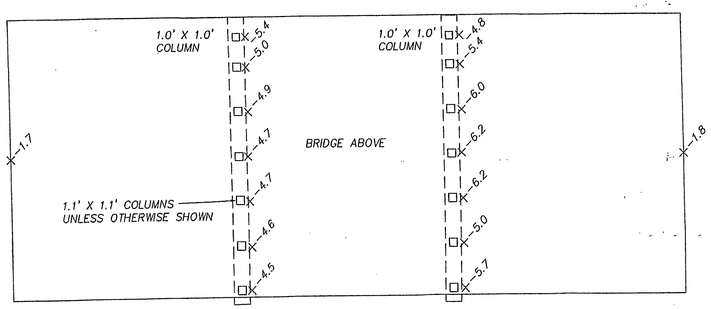
DRAWING NUMBER 2 OF 2

S-66

SKETCH OF SURVEY
SPECIFIC PURPOSE SURVEY

FOR INFORMATION PURPOSES ONLY





DETAIL UNDER BRIDGE

NOTES:

ELEVATIONS SHOWN HEREON ARE BASED ON THE NATIONAL GEODETIC VERTICAL DATUM OF 1929.

BENCH MARK REFERENCES: BROWARD COUNTY ENGINEERING DIVISION BENCH MARK 978: US ARMY CORPS OF ENGINEERS SURVEY MARK, NE WINGWALL OF BRIDGE SOUTHEAST 6TH TERRACE AND POMPANO CANAL. ELEVATION=9.583

CERTIFICATE:

WE HEREBY CERTIFY THAT THIS SPECIFIC PURPOSE SURVEY WAS MADE ON THE GROUND, CONFORMS TO THE MINIMUM TECHNICAL STANDARDS FOR LAND SURVEYING IN THE STATE OF FLORIDA, AS OUTLINED IN CHAPTER 61G17-6, (FLORIDA ADMINISTRATIVE CODE) AS ADOPTED BY THE DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION , BOARD OF LAND SURVEYORS AND MAPPERS, PURSUANT TO CHAPTER 472.027, FLORIDA STATUTES AND THAT SAID SURVEY IS TRUE AND CORRECT TO THE BEST OF OUR KNOWLEDGE AND BELIEF AS SURVEYED UNDER OUR RESPONSIBLE DIRECTION IN OCTOBER, 1997.

CRAVEN THOMPSON & ASSOCIATES, INC.

DENNIS M. BEALE
PROFESSIONAL SURVEYOR AND MAPPER No. 3606
STATE OF FLORIDA

DATE OF LAST FIELD WORK: 10-28-97

BRIDGE 'B'

BY:	DATE:	DESCRIPTION:

DATE: 10/25/97
SCALE: 1"= 10'
DRAWN BY: DB
CHECKED BY: D.M.D.
FIELD BOOK 1624
PAGE 39-46

CRAVEN • THOMPSON & ASSOCIATES, INC.
ENGINEERS • PLANNERS • SURVEYORS
3563 N.W. 53RD STREET FORT LAUDERDALE, FLORIDA 33309 (954) 739-6400
FAX: (954) 739-6409

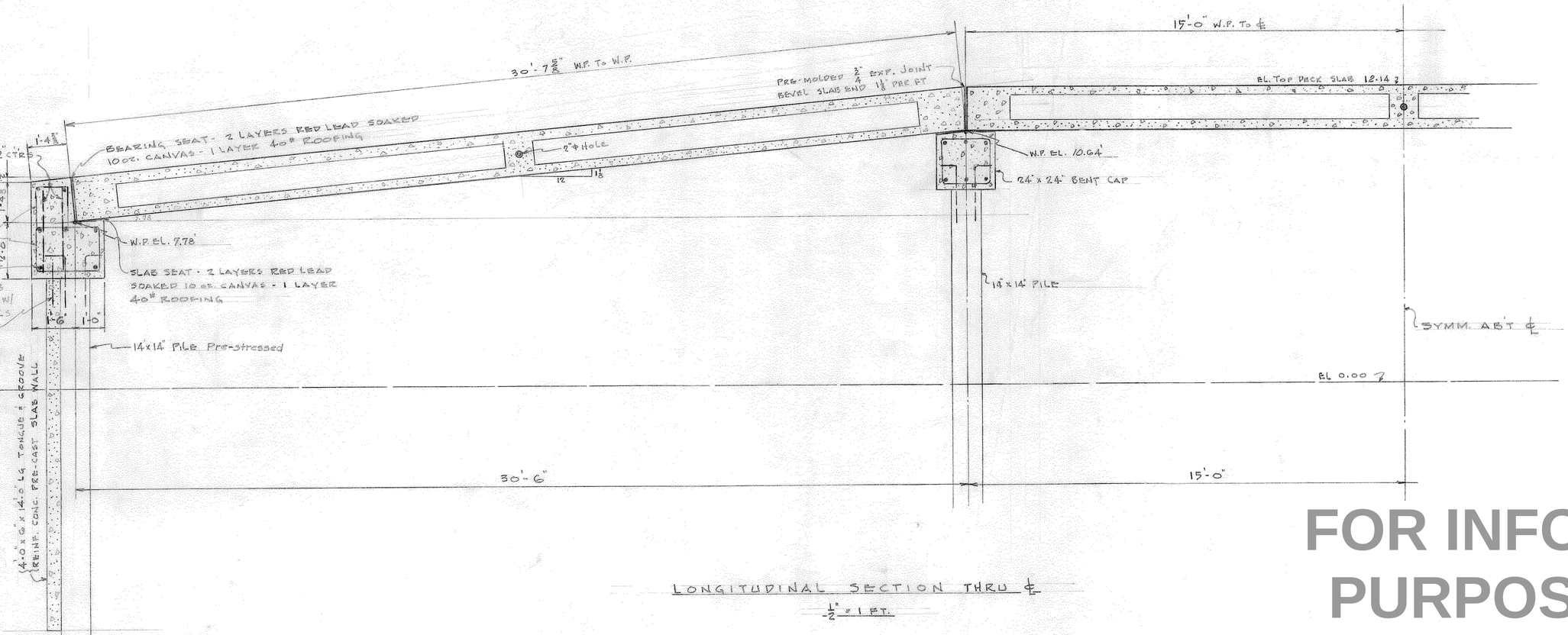
MATERIAL SHOWN HEREON IS THE PROPERTY OF CRAVEN, THOMPSON & ASSOCIATES, INC. AND SHALL NOT BE REPRODUCED IN WHOLE OR IN PART WITHOUT PRIOR WRITTEN CONSENT OF CRAVEN-THOMPSON & ASSOCIATES, INC. COPYRIGHT © 1998

CITY OF POMPANO BEACH
BRIDGE LOCATION
S.E. 11TH AVE/S.E.6TH TERR.

PROJECT NO. 97-0098

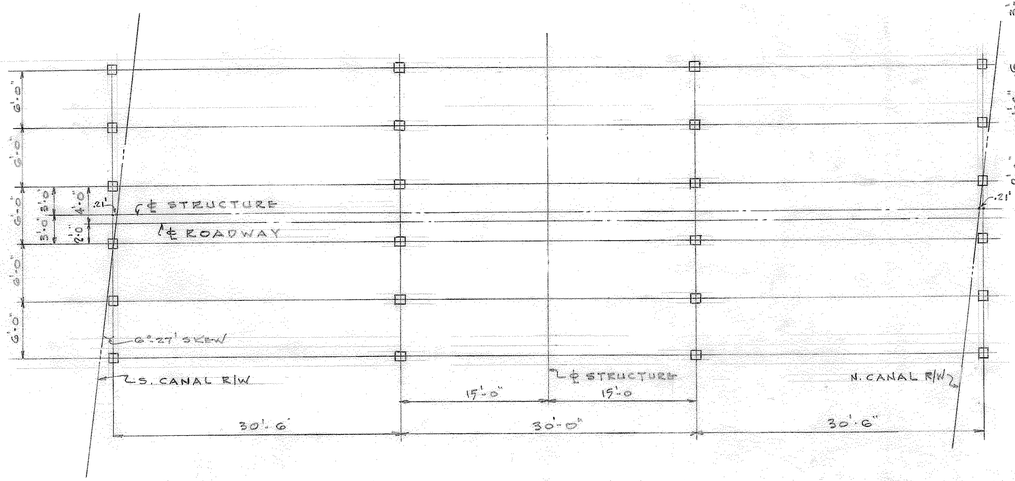
SHEET 1 OF 1

I:\1009\97-4152\9798bps.dwg Mon Aug 03 15:25:08 1998 Robin



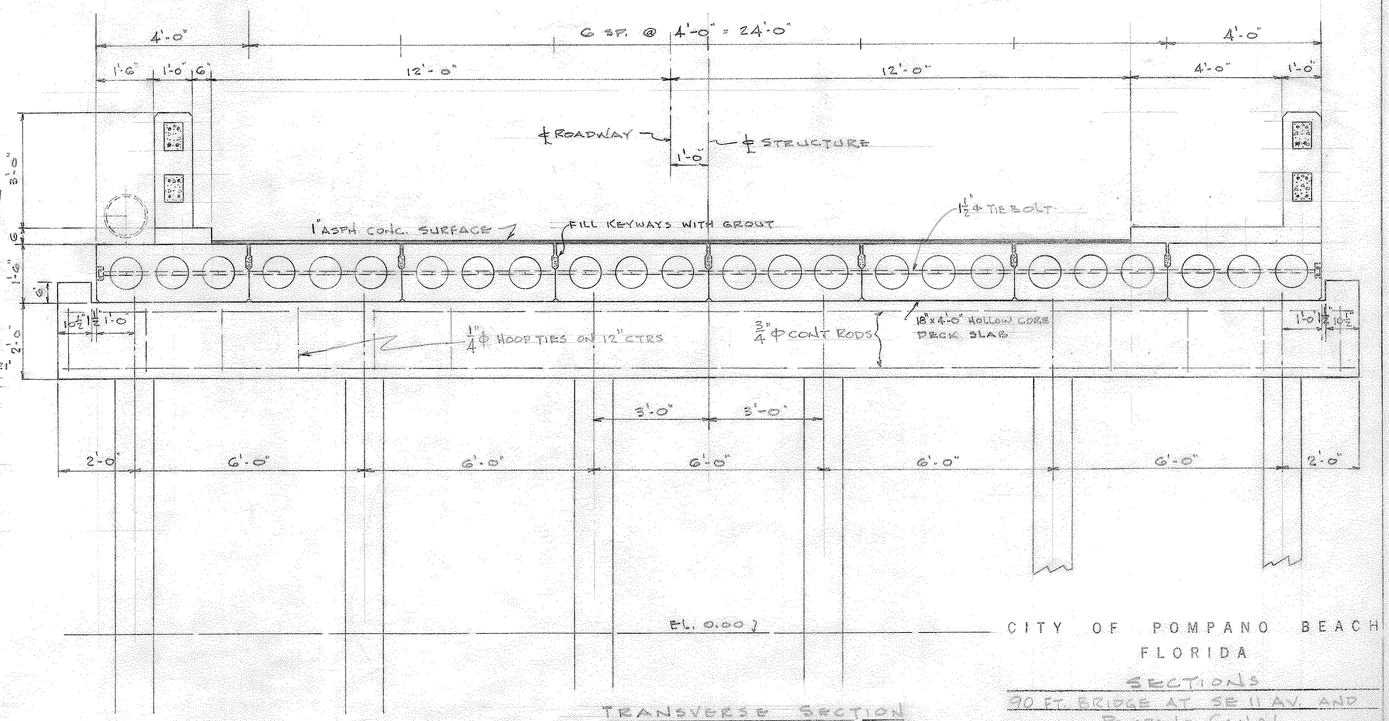
LONGITUDINAL SECTION THRU ℄

1/2" = 1 FT.



PILING PLAN

1/8" = 1 FT.



TRANSVERSE SECTION

1/2" = 1 FT.

Approved By Wm. J. Caven
Reg. Engr. No. 5195

CITY OF POMPANO BEACH
FLORIDA

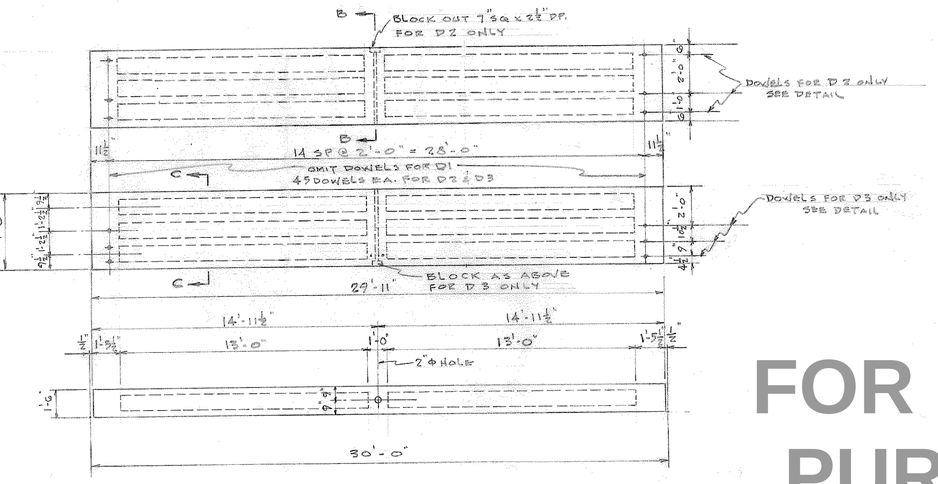
SECTIONS

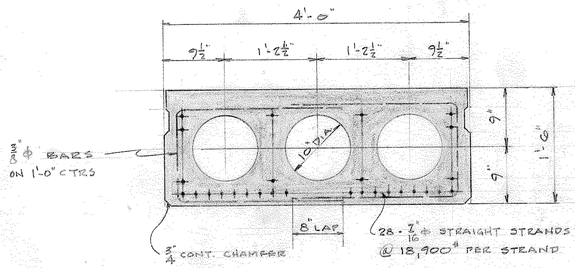
90 FT. BRIDGE AT SE 11 AV. AND POMPANO CANAL

DATE 6-17-59 SCALE: As NOTED
DRAWN BY SLW APPR BY
PROJECT # SHEET # 3 OF 5

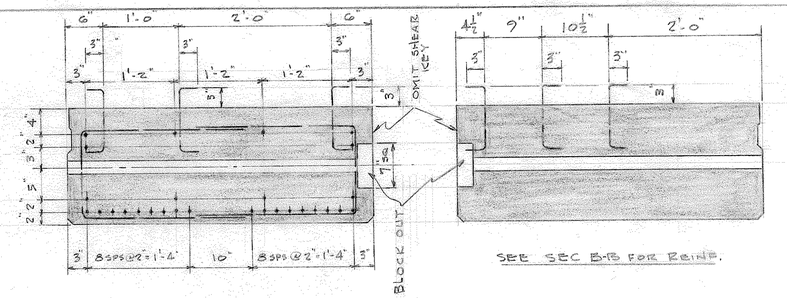
FOR INFORMATION
PURPOSES ONLY

3-19



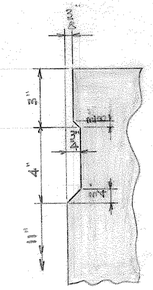


SECTION A-A
1" = 1 FT.



SECTION B-B
1" = 1 FT.

SECTION C-C
1" = 1 FT.



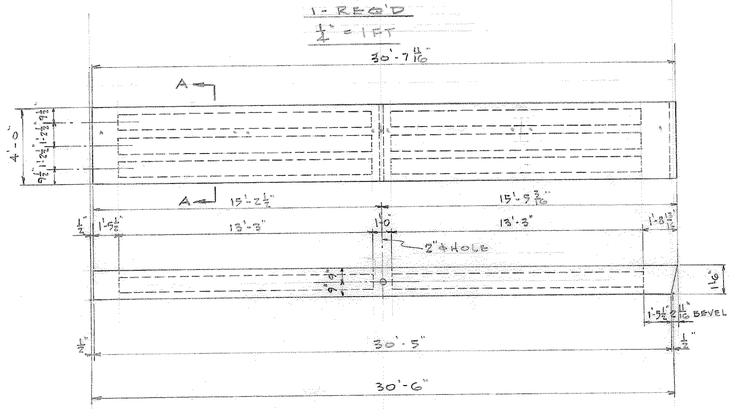
FOR INFORMATION PURPOSES ONLY

DECK SLAB - D1
6 - REQ'D

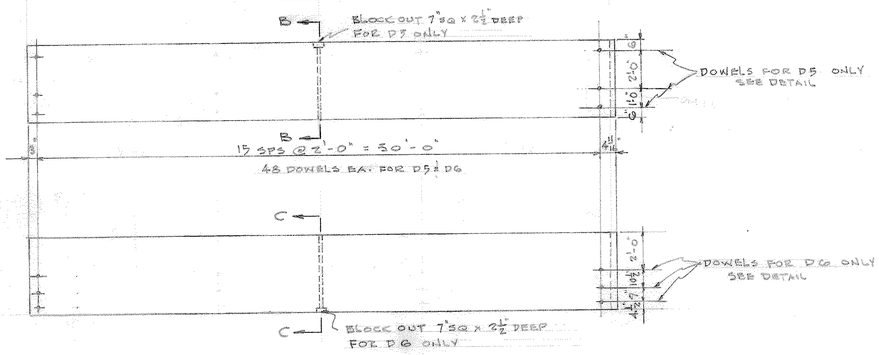
DECK SLAB - D2
1 - REQ'D

DECK SLAB - D3
1 - REQ'D

1" = 1 FT



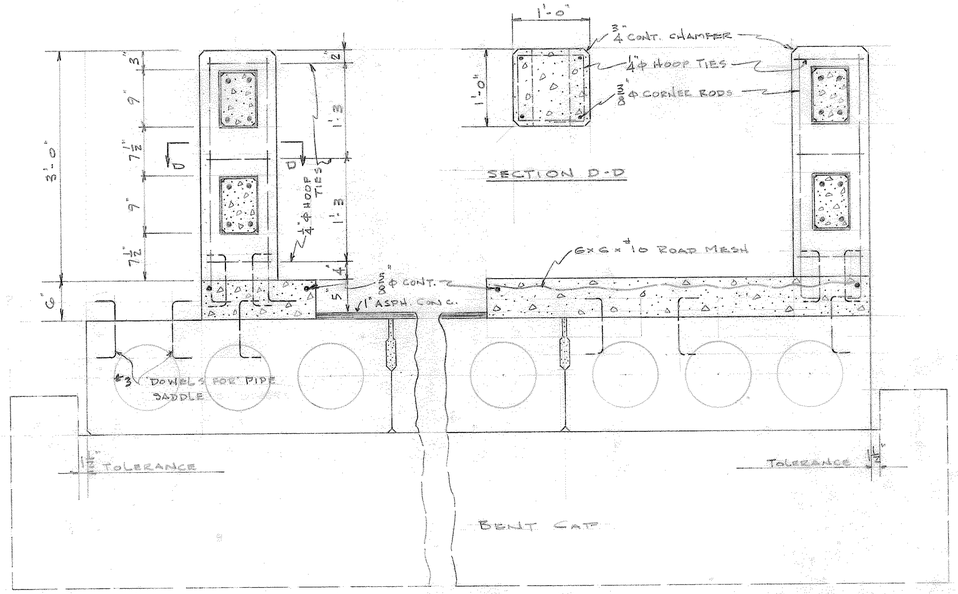
DECK SLAB - D4
12 - REQ'D
½" = 1 FT



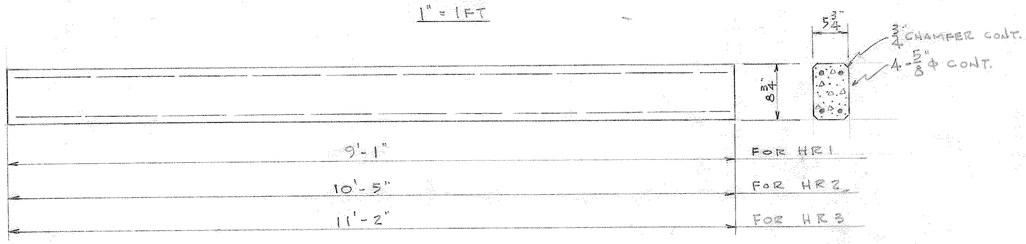
DECK SLAB -	D5R	AS SHOWN	1 - REQ'D		
"	"	D6R	"	"	"
"	"	D5L	OPP. HAND		"
"	"	D6L	"	"	"

½" = 1 FT

NOTE:
D5L & D6L SAME AS D4 EXCEPT AS NOTED

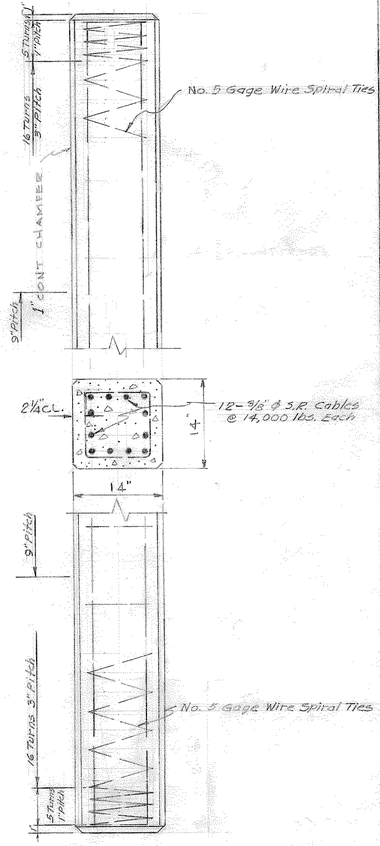


HAND RAIL POST - P1
20 REQ'D
1" = 1 FT



HAND RAIL - HR1 - 12 REQ'D
" " HR2 16 REQ'D
" " HR3 8 REQ'D

1" = 1 FT.



PRE-STRESSED CONC. PILE P2 - 24 REQ'D
1" = 1 FT.

NOTE:
Shop Drawings & Design Data to be Submitted to Engineer for Approval.

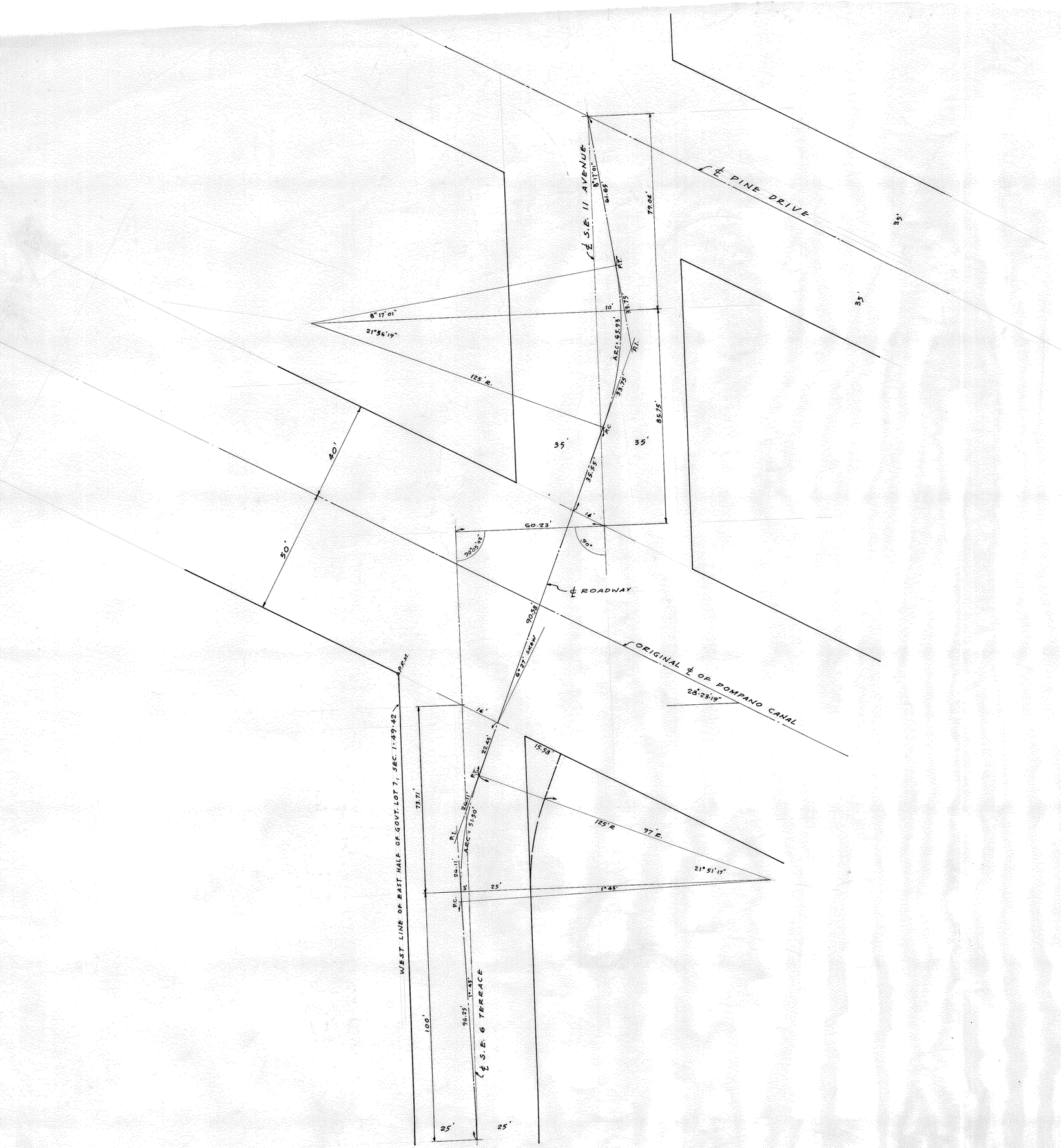
Approved by Warren S. Caine
Reg. Engr. No. 5195

CITY OF POMPANO BEACH
FLORIDA

DETAILS
90 FT BRIDGE AT SE 11 AV AND POMPANO CANAL

DATE: 6-18-59 SCALE: AS NOTED
DRAWN BY Steeth APPR BY
PROJECT # SHEET # 4 OF 5

5-19



FOR INFORMATION PURPOSES ONLY

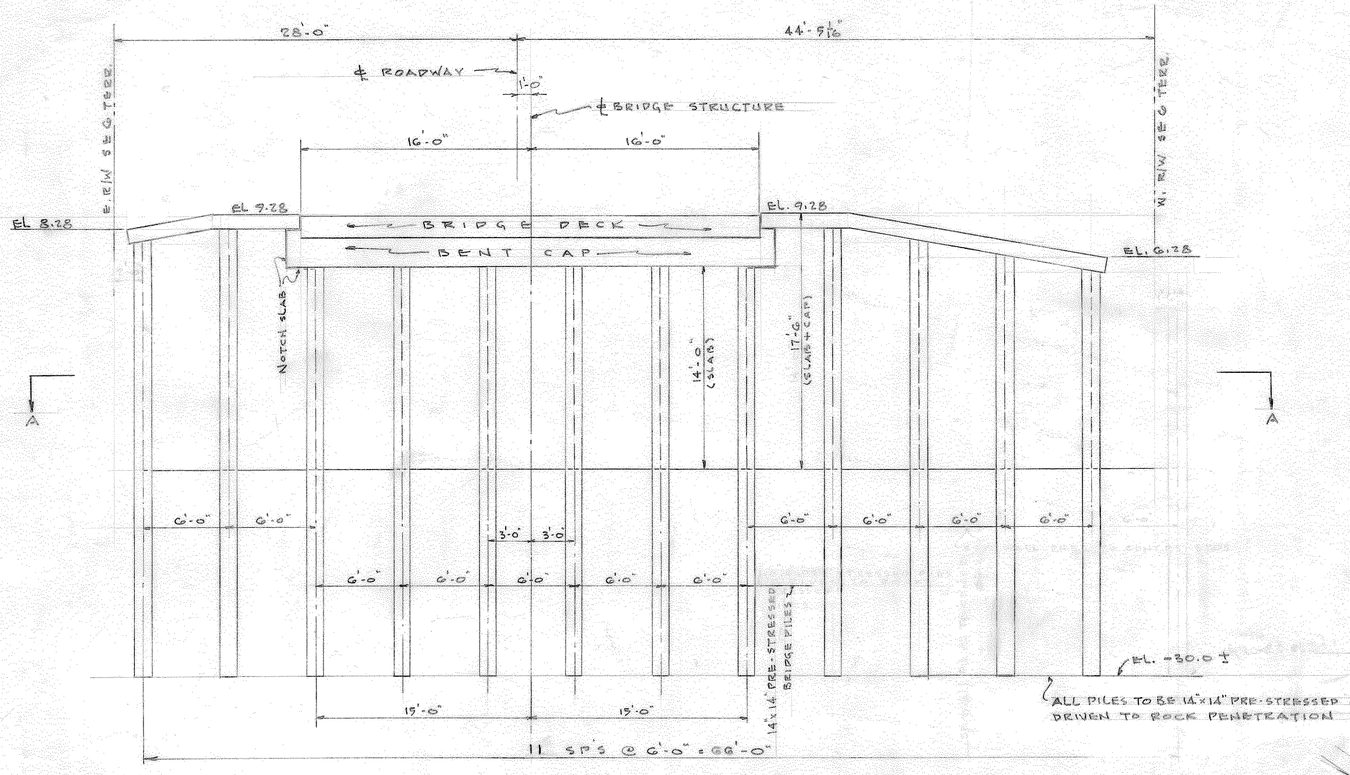
CITY OF POMPANO BEACH
FLORIDA

LAYOUT OF ℄ OF 24' ROADWAY FOR 90' BRIDGE ACROSS POMPANO CANAL AT S.E. 11 AVE.

DATE: 7-10-59
DRAWN BY Sleeth
PROJECT # 59-20 AC

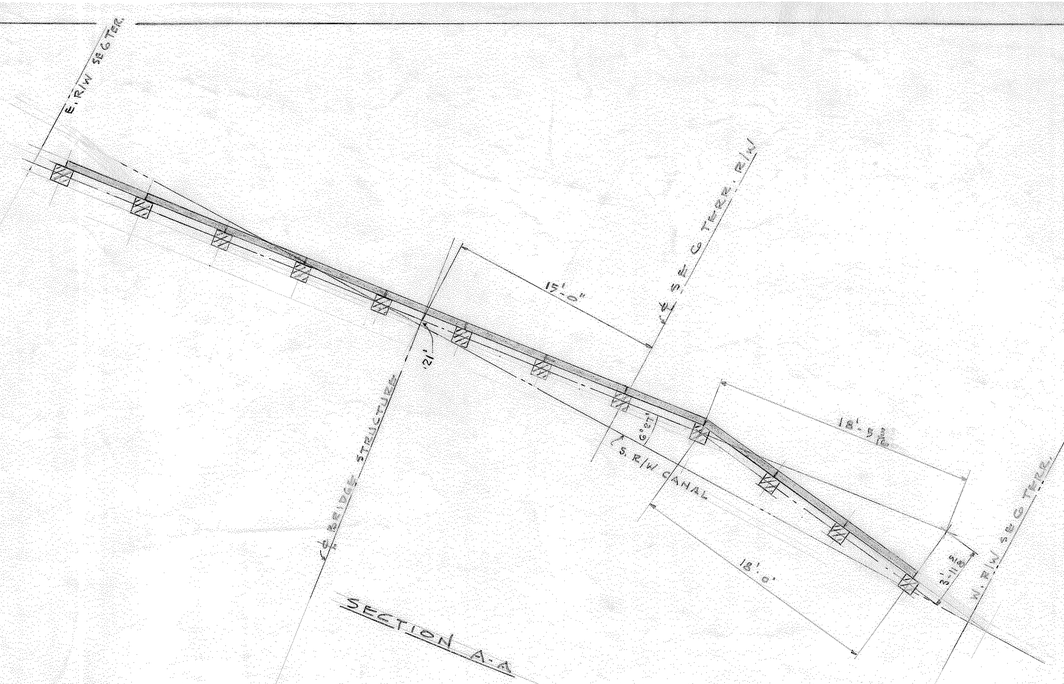
SCALE: 1" = 20 FT.
APPR BY.
SHEET # 1 A

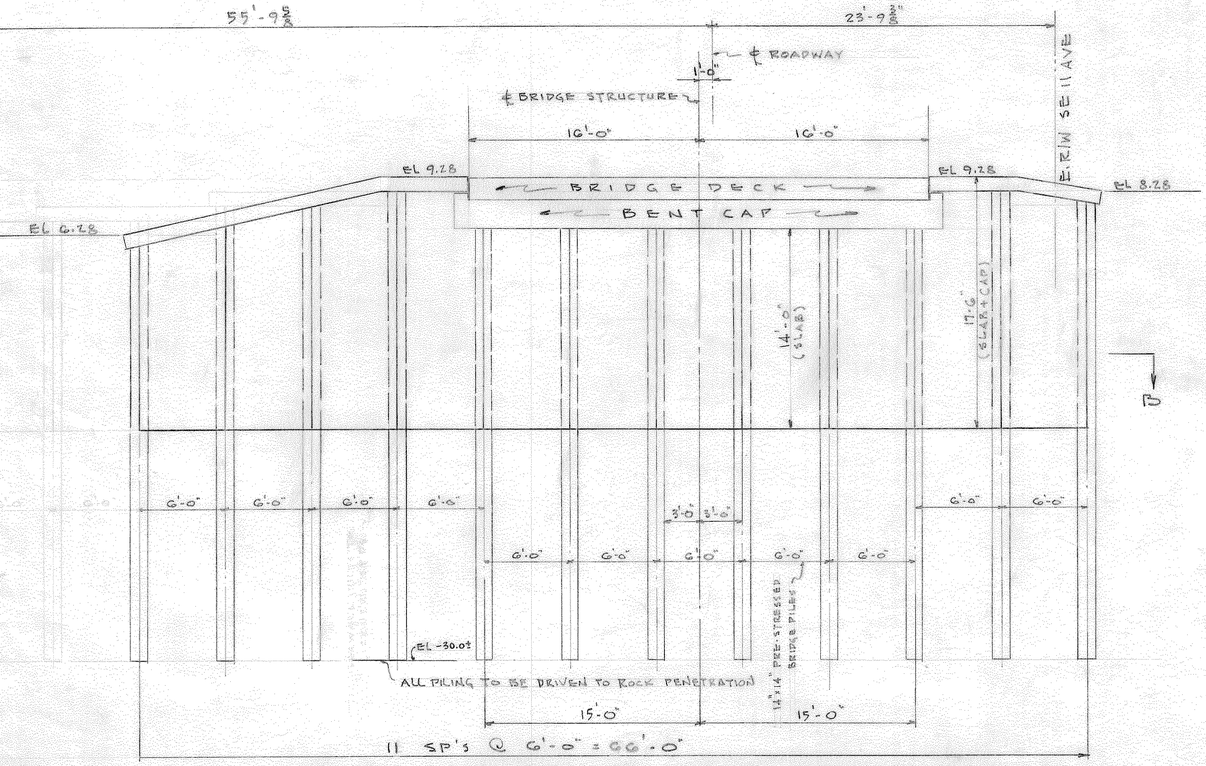
S-19



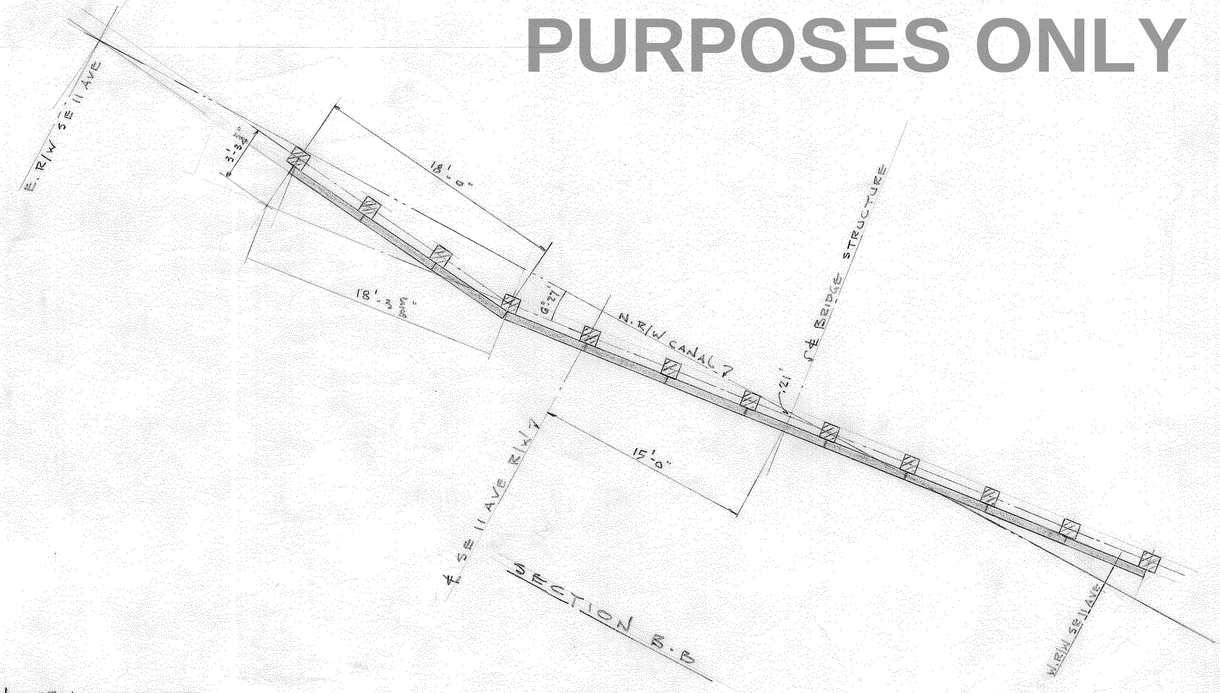
NORTH ELEVATION OF S. SIDE RETAINING WALL

$\frac{3}{16}$" = 1 FOOT





NORTH ELEVATION OF N. SIDE RETAINING WALL



NOTE:
RETAINING WALL PILING TO BE SAME AS BRIDGE PILING "P2" AS DETAILED ON SHEET 4 OF 5

FOR INFORMATION PURPOSES ONLY

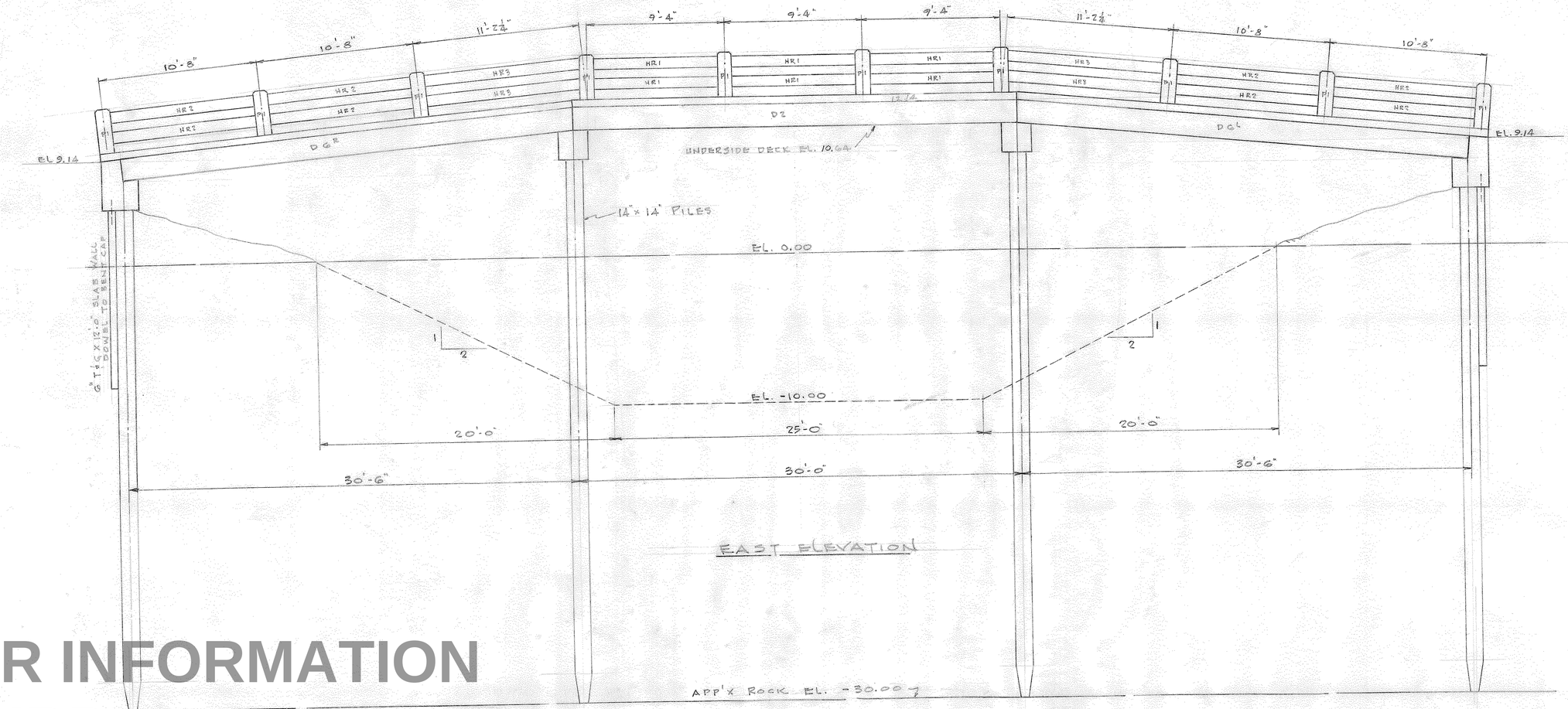
CITY OF POMPANO BEACH
FLORIDA

RETAINING WALLS FOR
90 FT BRIDGE CROSSING
POMPANO CANAL AT SE 11 AV.

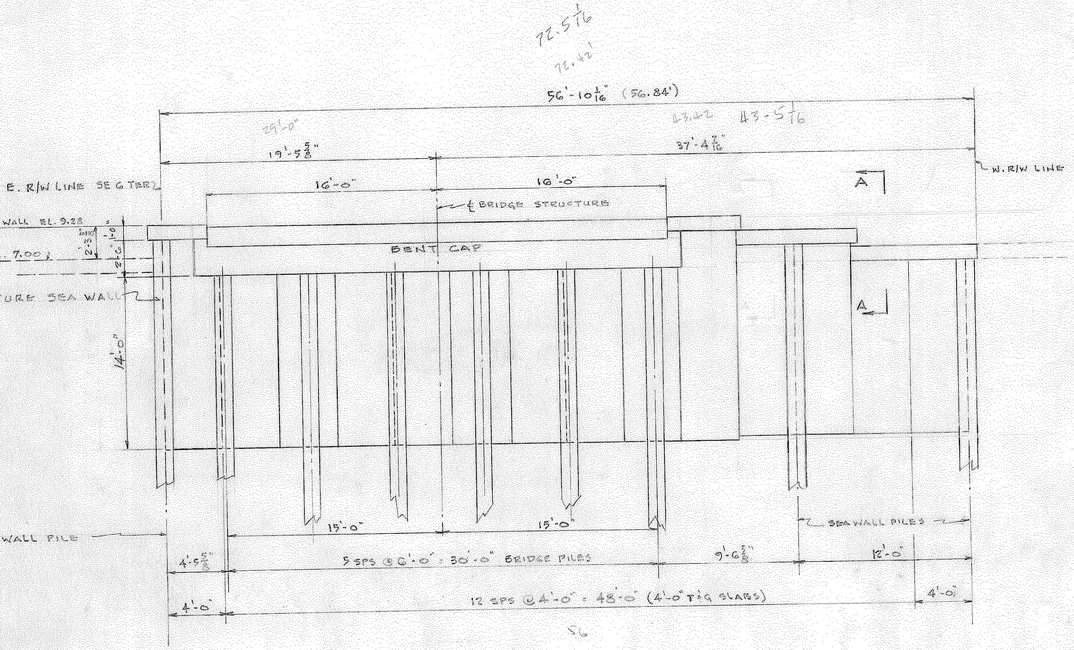
DATE 9-2-59 SCALE: $\frac{3}{16}$" = 1 FT.
DRAWN BY B.S. APPR BY
PROJECT # SHEET # 5 OF 5 REV

REVISED 9-10-59

5-19

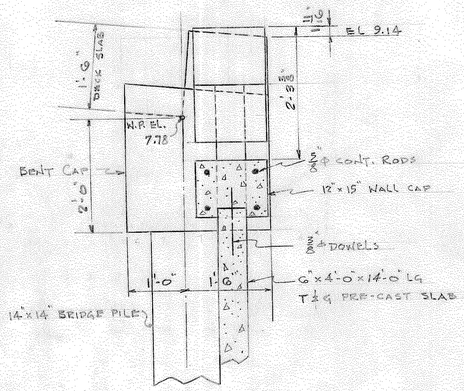

10'-8"
10'-8"
11'-2½"
9'-4"
9'-4"
9'-4"
11'-2½"
10'-8"
10'-8"
HR1
HR2
HR3
P1
D2
D2
D1
D1
D1
D1
D1
D1
D2
D1
D2
D1
D2

FOR INFORMATION
PURPOSES ONLY



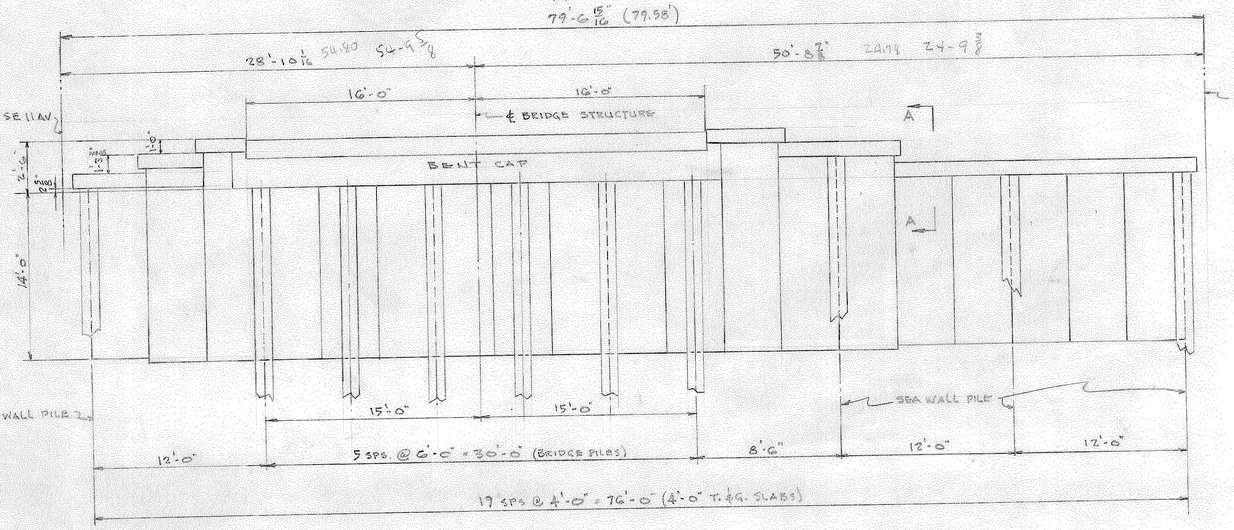
NORTH ELEVATION OF S. SIDE RETAINING WALL (S.E. 6 TER.)

3/16" = 1 FT.



SECTION A-A

3/4" = 1 FT.



SOUTH ELEVATION OF N. SIDE RETAINING WALL (SE 11 AV)

3/16" = 1 FT.

NOTE:

RETAINING WALL TO BE 6" THK. PRE-CAST CONC. TONGUE & GROOVE TYPE OF APPROVED DESIGN TO BEAR ON BRIDGE PILES IN WAY OF BRIDGE AND ON WHATEVER ADDITIONAL PILES THAT ARE REQUIRED TO COMPLETE TOTAL LENGTH

Approved By Warren J. Lewis
Reg. Engr. No. 5195

CITY OF POMPANO BEACH
FLORIDA

RETAINING WALLS
90 FT. BRIDGE CROSSING POMPANO CANAL AT S.E. 11 AV.

DATE: 6-22-59 SCALE: AS NOTED
DRAWN BY Sleath APPR BY
PROJECT # SHEET # 5 OF 5

5-19

NOTE:
Shop Drawings & Design Data to be Submitted to Engineer for Approval.

Approved by William L. Cox
Reg. Engr. No. 5795

CITY OF POMPANO BEACH
FLORIDA

LAYOUT & PLOT PLAN OF 30FT.
BRIDGE CROSSING POMPANO
CANAL AT SE 11 AVENUE
REV. 8-31-59
DATE 6/11/59
DRAWN BY Sleeth
PROJECT #
SCALE 1"=20FT.
APPR BY
SHEET # 1 of 5

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FOR INFORMATION PURPOSES ONLY

N

℄ EXISTING BRIDGE

CONSTRUCT NEW CURB ON EAST SIDE OF BRIDGE

REMOVE EXISTING SIDEWALK

CONSTRUCT NEW CURB

15'-0" EXISTING BRIDGE

5'-4" NEW SIDEWALK

A

B

C

D

SHEET 2

PLAN
1/4" = 1'-0"

30'-0"
(CONTRACTOR TO CONFIRM IN FIELD)

30'-8 5/8" (CONTRACTOR TO CONFIRM IN FIELD)

7'-2" 7'-2" 3'-7" 3'-7" 7'-2" 7'-2"

15 3/8"

7'-2" 7'-2" 7'-2" 7'-2"

ELEV. 12.14

ELEV. 9.14

EXIST 14" ⊖ PILES & 6" CONC. WALL

NEW 12" PRESTRESSED PILING
R.H. WRIGHT 12 CP 4 7
DRIVE TO 25 TONS BEARING
CENTER PILES ON EXISTING BENTS

ELEV -30.0 ±

ELEVATION
1/4" = 1'-0"

FOR INFORMATION PURPOSES ONLY

SE 11 AVE. BRIDGE IMPROVEMENT

SCALE: AS SHOWN | PROJECT NO 64-2-E | DRAWN BY R.C.M.

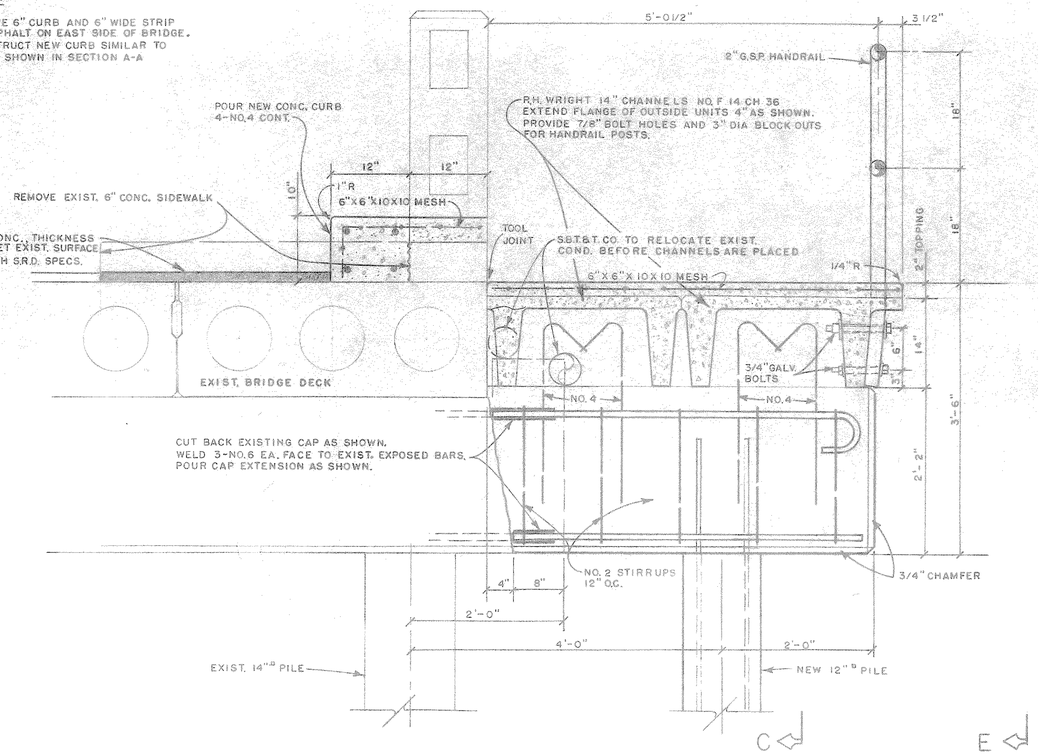
DATE: DEC. 1963 | REVISED

CITY OF POMPANO BEACH, FLORIDA

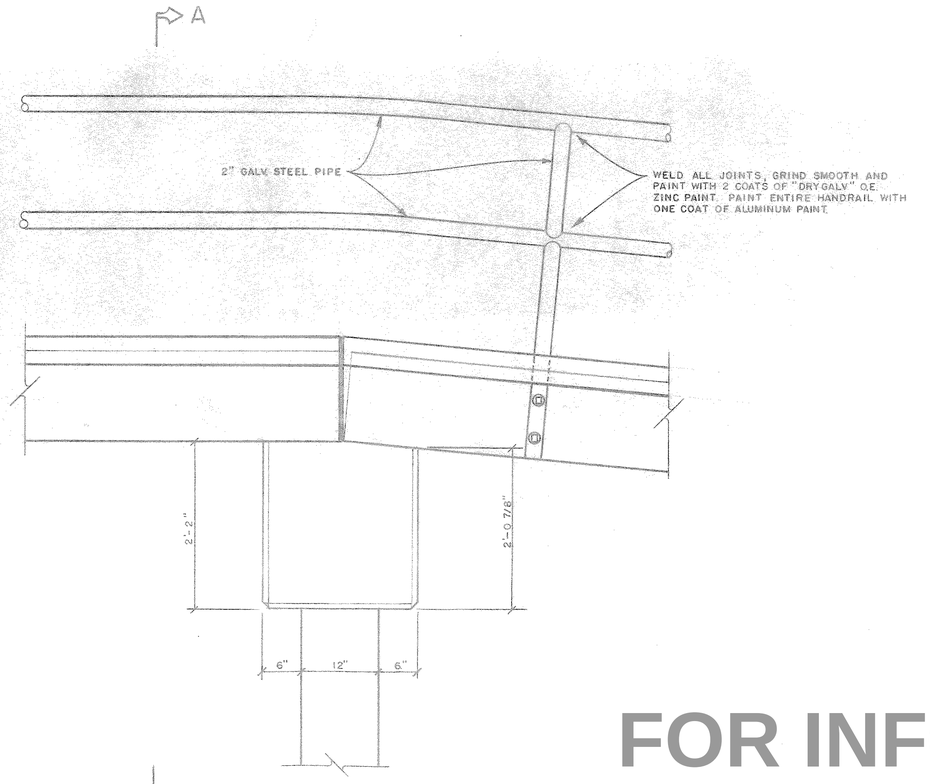
Richard C. Miller
CITY ENGINEER
FLORIDA REGISTRATION NO. 3555

OFFICE OF CITY ENGINEER | DRAWING NUMBER 1 OF 2

S-66

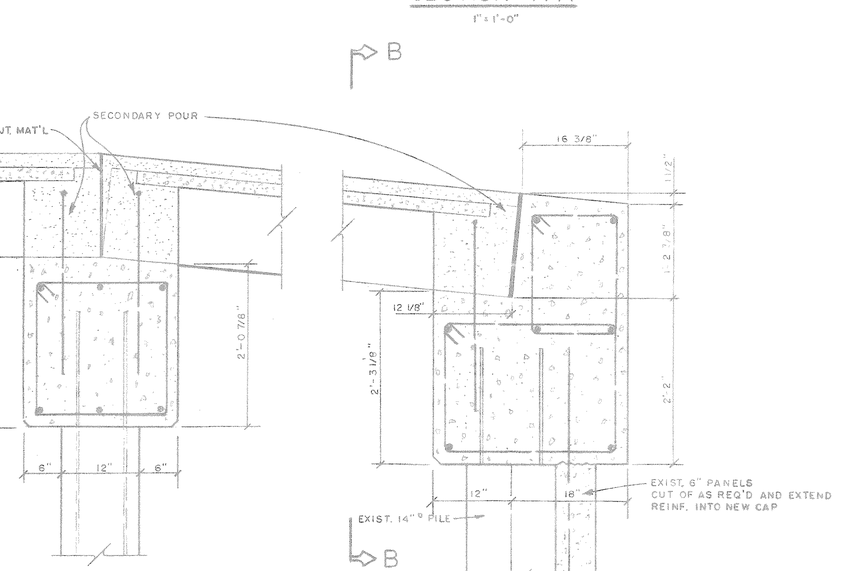


SECTION A-A
1" = 1'-0"



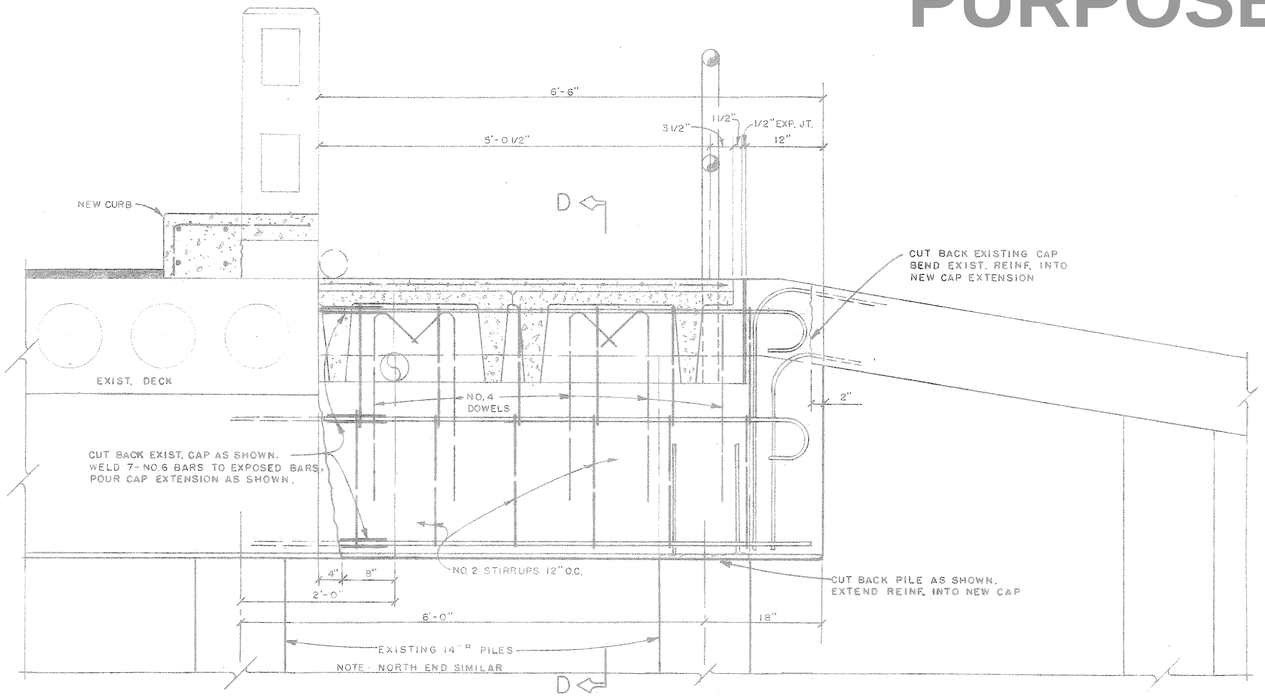
SECTION E-E
1" = 1'-0"

FOR INFORMATION PURPOSES ONLY



SECTION C-C
1" = 1'-0"

SECTION D-D
1" = 1'-0"



SECTION B-B
1" = 1'-0"

NOTES

1. ALL CONCRETE SHALL HAVE 28 DAY MIN. COMPRESSIVE STRENGTH OF 3000 P.S.I.
2. FABRICATION AND ERECTION OF REINFORCING SHALL CONFORM WITH A.C.I. CODE

Richard C. Mills
CITY ENGINEER
FLORIDA REGISTRATION NO. 3555

S.E. 11TH AVE. BRIDGE IMPROVEMENT

SCALE: AS SHOWN	PROJECT NO. 64-2-E	DRAWN BY: R.C.M.
DATE: DEC. 1963		REVISED

CITY OF POMPANO BEACH, FLORIDA

OFFICE OF CITY ENGINEER

DRAWING NUMBER 2 OF 2

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