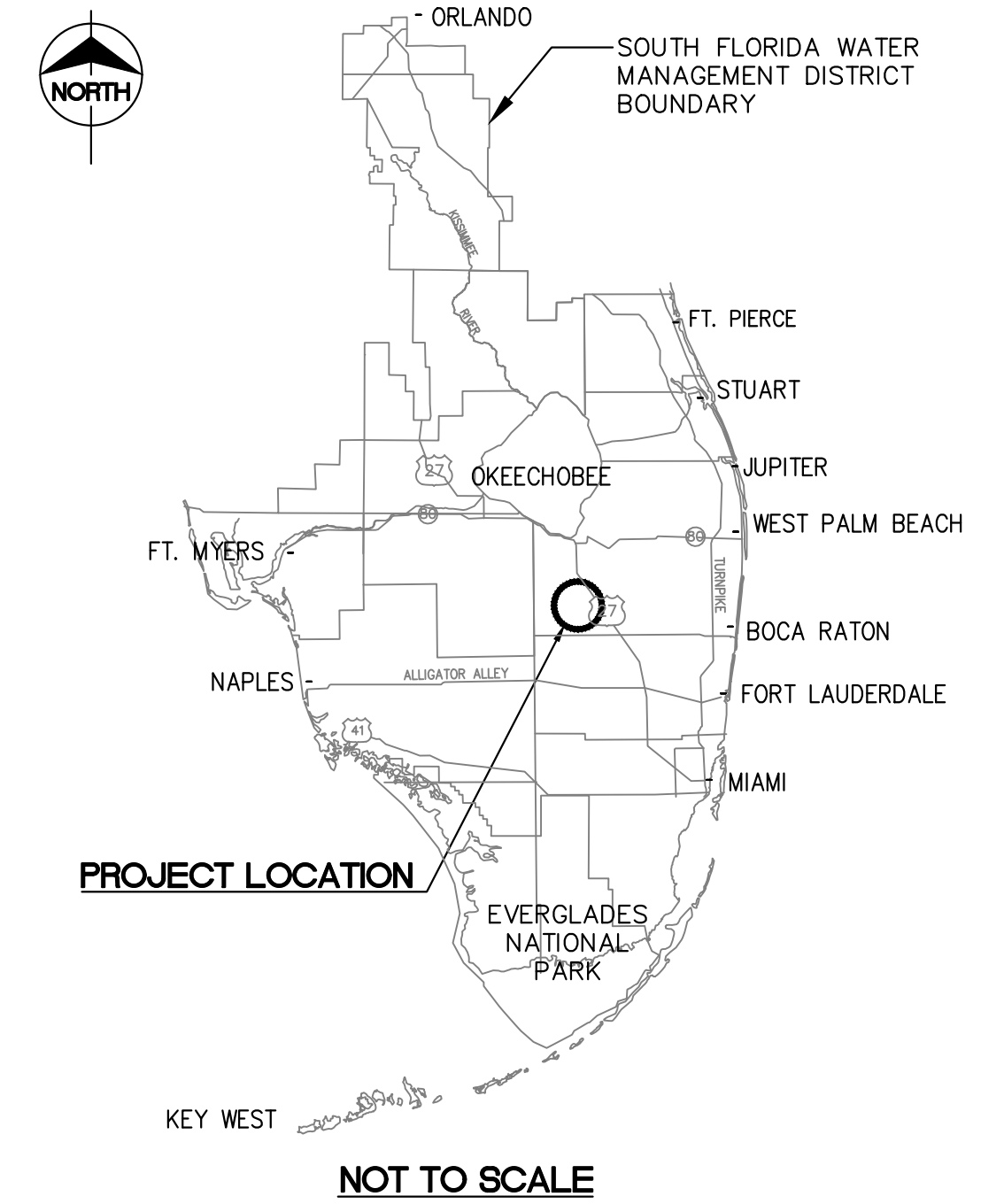




SOUTH FLORIDA WATER MANAGEMENT DISTRICT

RFB 6000001500 G-370 AND G-372 CONCRETE REFURBISHMENT AND COATING PALM BEACH COUNTY, FLORIDA



GOVERNING BOARD

CHAUNCEY P. GOSS II
CHAIRMAN

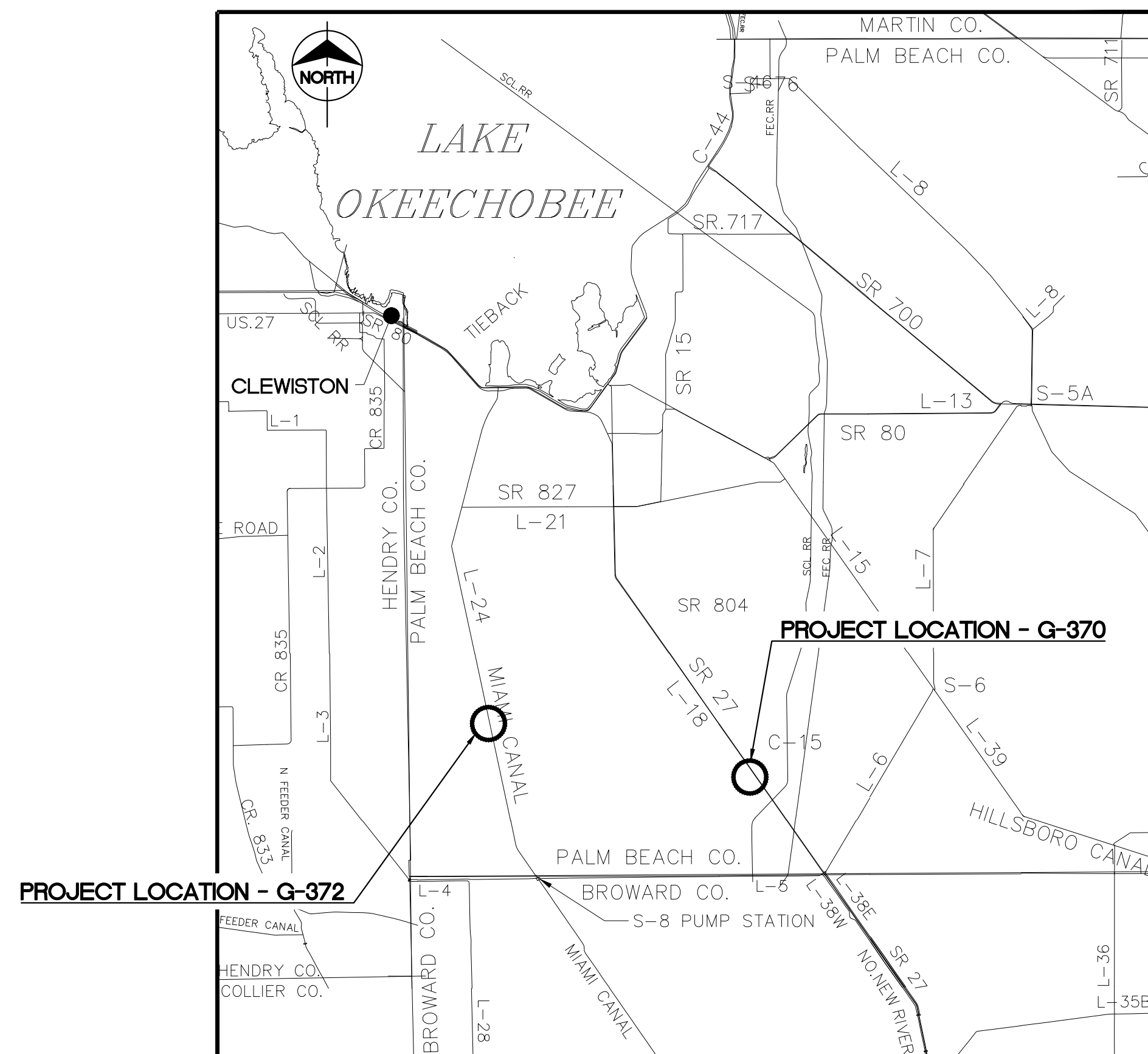
SCOTT WAGNER
VICE - CHAIRPERSON

RON BERGERON, SR.
BENJAMIN BUTLER
CARLOS "CHARLIE" E. MARTINEZ
CHERYL MEADS
CHARLETTE ROMAN
JAY STEINLE
BOARD MEMBERS

APPROVED BY:

Sean Williams

SEAN WILLIAMS, P.E.
BUREAU CHIEF,
ENGINEERING & CONSTRUCTION BUREAU
ENGINEERING, CONSTRUCTION & MODELING DIVISION



LOCATION MAP
NOT TO SCALE

INDEX OF SHEETS

DRAWING NUMBER	SHEET NUMBER	SHEET TITLE
G001	01	COVER SHEET
G002	02	GENERAL NOTES AND LEGEND
G003	03	ACCESS PLAN
C001	04	TURBIDITY CONTROL PLAN
C002	05	G-370 SITE WORK AND CONCRETE REFURBISHMENT PLAN
C003	06	G-370 CONCRETE SHEET PILE CAP REPAIR DETAILS
C004	07	G-370 CONCRETE REFURBISHMENT DETAILS 1 OF 2
C005	08	G-370 CONCRETE REFURBISHMENT DETAILS 2 OF 2
C006	09	G-370 PARAPET RAILING DETAILS
C007	10	G-372 SITE WORK AND CONCRETE REFURBISHMENT PLAN
C008	11	G-372 CONCRETE SHEET PILE CAP REPAIR DETAILS
C009	12	G-372 CONCRETE REFURBISHMENT DETAILS 1 OF 2
C010	13	G-372 CONCRETE REFURBISHMENT DETAILS 2 OF 2
C011	14	G-372 PARAPET RAILING DETAILS
C012	15	PARAPET RAILING TYPICAL DETAILS
S001	16	STRUCTURE REFURBISHMENT DETAILS

PROJECT I.D. NO. 101279

The consultant, contractor or other parties associated with this project shall comply with Florida Statutes Chapter 119. These plans are the property of the District and must be secured and maintained in a confidential manner. Review by any unauthorized individual or outside/third party not performing work necessary for this project is prohibited.

This item has been electronically signed and sealed by DONALD J. NUELLE, P.E. on the date adjacent to the seals, using SHA-1 authentication codes. Printed copies of this document are not considered signed and sealed and the SHA-1 authentication codes must be verified on any electronic copies.

ENGINEER OF RECORD: DONALD J. NUELLE, P.E. FLORIDA P.E. LICENSE NO: 52046	PROJECT ID NO. 101279	DRAWING NUMBER G001	SHEET 01 OF 16	DATE:
<p style="writing-mode: vertical-rl; transform: rotate(180deg);">CORRECTED FINAL (RTA)</p> <p style="writing-mode: vertical-rl; transform: rotate(180deg);">G-370 AND G-372 CONCRETE REFURBISHMENT AND COATING</p> <p style="writing-mode: vertical-rl; transform: rotate(180deg);">COVER SHEET</p>				
<p style="writing-mode: vertical-rl; transform: rotate(180deg);">SOUTH FLORIDA WATER MANAGEMENT DISTRICT ENGINEERING & CONSTRUCTION BUREAU PHONE: 561-686-8800 3301 GUN CLUB ROAD WEST PALM BEACH, FLORIDA 33406</p>				
ENGINEER: D. NUELLE	DRAWING: R. TODD	CHECKED: N. PANDYA	DATE: JANUARY 2024	SCALE: AS SHOWN
				REVISION DESCRIPTION

GENERAL NOTES:

- ALL WORK PERFORMED SHALL COMPLY WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL LAWS, CODES, REGULATIONS, PERMITS AND ORDINANCES.
- ALL CONSTRUCTION MATERIALS AND TESTING SHALL CONFORM TO THE APPLICABLE SPECIFICATIONS OF SFWMD, AND ALL LOCAL, COUNTY, STATE OF FLORIDA AND NATIONAL CODES.
- IF ACTUAL FIELD CONDITIONS VARY FROM THE DRAWINGS, THE CONTRACTOR SHALL NOTIFY THE DISTRICT FOR VERIFICATION PRIOR TO PROCEEDING.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL AND DISPOSAL OF ALL CONSTRUCTION DEBRIS.
- DURING CONSTRUCTION, IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROTECT ALL EXISTING STRUCTURES AND IMPROVEMENTS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO RETURN THE SITE TO THE ORIGINAL CONDITIONS UNLESS DIRECTED OTHERWISE BY THE DISTRICT. THE CONTRACTOR SHALL HIRE ADVANCED ROOFING FOR ANY ROOF DAMAGE REPAIRS ON G-370 UPPER, LOWER AND G-372 UPPER ROOFS. THE CONTRACTOR SHALL HIRE CJ CONTRACTING FOR ANY ROOF DAMAGE REPAIRS ON G-372 LOWER ROOF.
- THE CONTRACTOR SHALL REPAIR ANY LEVEE DAMAGE AND RESTORE ALL DISTURBED AREAS TO PRE-CONSTRUCTION CONDITION. (SOD ALL DISTURBED ABOVE WATER VEGETATION AREAS, UNLESS OTHERWISE NOTED).
- THE CONTRACTOR SHALL ADHERE TO THE LEVEE AND ACCESS ROAD 25MPH SPEED LIMITS AT ALL TIMES UNLESS OTHERWISE NOTED.
- THESE DRAWINGS HAVE BEEN ADAPTED FROM AS-BUILT DRAWINGS "EVERGLADES CONSTRUCTION PROJECT STORMWATER TREATMENT AREA NO. 3/4 PUMP STATIONS G-370 & G-372" BY BROWN CUNNINGHAM GANNUCH, INC., DATED 05/10/2001. THE ELEVATIONS SHOWN ON AS-BUILT DWGS ARE BASED ON NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NGVD1929).

CIVIL NOTES:

- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL NECESSARY EROSION AND SEDIMENT CONTROL DURING CONSTRUCTION AND FOR THE REMOVAL OF THE CONTROLS AFTER THE AREAS HAVE STABILIZED TO THE DISTRICT'S SATISFACTION.

SURVEY NOTES:

- ALL WORK IS PROPOSED WITHIN THE DISTRICT RIGHT-OF-WAY.
- THE ELEVATIONS SHOWN HEREON ARE RELATIVE TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88) AND ARE EXPRESSED IN FEET. (NGVD29 = NAVD88 + 1.43')
- THE COORDINATE SYSTEM UTILIZED HEREON ARE BASED ON THE STATE PLANE COORDINATE SYSTEM FLORIDA EAST ZONE NORTH AMERICAN DATUM OF 1983, 2007 ADJUSTMENT (NAD83/07) - ALL DISTANCES ARE SHOWN IN US SURVEY FEET.
- ALL PUBLIC LAND CORNERS OR SURVEY CONTROL POINTS WITHIN THE LIMITS OF CONSTRUCTION ARE TO BE PROTECTED. IF A CORNER MONUMENT OR SURVEY CONTROL POINT IS IN DANGER OF BEING DESTROYED OR DISTURBED AND HAS NOT BEEN PROPERLY REFERENCED, THE CONTRACTOR SHALL NOTIFY THE DISTRICT. THE CORNER MONUMENT AND/OR SURVEY CONTROL POINT SHALL BE PROPERLY REFERENCED, BY A PROFESSIONAL SURVEYOR AND MAPPER LICENSED IN THE STATE OF FLORIDA, PRIOR TO PROCEEDING FURTHER WITH THE WORK.

UTILITY NOTES:

- THE CONTRACTOR SHALL CONTACT FLORIDA SUNSHINE ONE CALL TO VERIFY UNDERGROUND UTILITIES WITHIN THE PROJECT SITE. THE FLORIDA SUNSHINE ONE TELEPHONE NUMBER IS 811.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COST OF REPAIRING ALL DAMAGED UTILITIES.
- THE CONTRACTOR SHALL USE CAUTION WHEN WORKING NEAR OVERHEAD OR UNDERGROUND UTILITIES.
- THE CONTRACTOR SHALL VERIFY THE CLEARANCE WHEN WORK OR TRAVEL NEAR OR UNDER THE OVERHEAD POWER LINES.

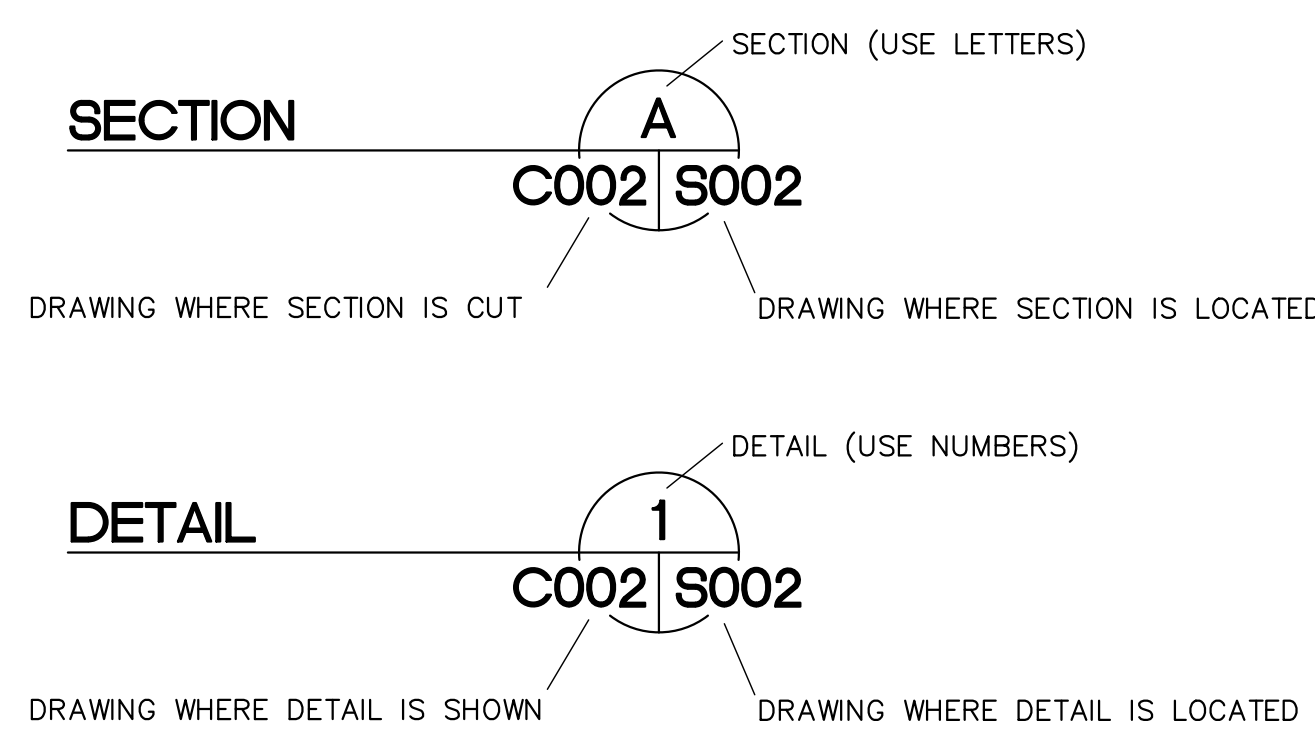
ABBREVIATIONS:

AASHTO	AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS
ACI	AMERICAN CONCRETE INSTITUTE
ADD'L	ADDITIONAL
AISC	AMERICAN INSTITUTE OF STEEL CONSTRUCTION
ALT	ALTERNATE
ALUM	ALUMINUM
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE
APPROX	APPROXIMATELY
ASCE	AMERICAN SOCIETY OF CIVIL ENGINEERS
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS
AWS	AMERICAN WELDING SOCIETY
BLDG	BUILDING
BOT	BOTTOM
CJ	CONSTRUCTION JOINT
CL	CENTERLINE
CLR	CLEARANCE
CONC	CONCRETE
CONN	CONNECTION
CONST	CONSTRUCTION
CONT	CONTINUOUS
CR	COUNTY ROAD
DIA	DIAMETER
DIM	DIMENSION
DIST	DISTANCE
DWG	DRAWING
EA	EACH
EF	EACH FACE
EW	EACH WAY
ELEV, EL	ELEVATION
EQ	EQUAL
EXIST	EXISTING
FDOT	FLORIDA DEPARTMENT OF TRANSPORTATION
FF	FAR FACE
FFE	FINISHED FLOOR
FT	FEET OR FOOT
GA	GAUGE
GALV	GALVANIZED
HDG	HOT DIPPED GALVANIZED
HORIZ, H	HORIZONTAL
HT	HEIGHT
IN	INCH(ES)
L	LENGTH
LB	POUND
LG	LONG
MAX	MAXIMUM
MFR	MANUFACTURER
MIN	MINIMUM
NAVD, NAVD88	NORTH AMERICAN VERTICAL DATUM OF 1988

NGVD, NGVD29	NATIONAL GEODETIC VERTICAL DATUM OF 1929
NTS	NOT TO SCALE
OC	ON CENTER
OPNG	OPENING
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
R	RADIUS
REINF	REINFORCEMENT
REQD	REQUIRED
SF	SQUARE FEET
SFWMD, DISTRICT	SOUTH FLORIDA WATER MANAGEMENT DISTRICT
SCH	SCHEDULE
SEC	SECTION
SPA	SPACING
SPECS	SPECIFICATIONS
SR	STATE ROAD
SSPC	SOCIETY FOR PROTECTIVE COATINGS
SS	STAINLESS STEEL
STL	STEEL
STD	STANDARD
STRUCT	STRUCTURE
SWPPP	STORM WATER POLLUTION PREVENTION PLAN
TBD	TO BE DETERMINED
TYP	TYPICAL
VERT, V	VERTICAL
W/	WITH

LEGEND:

	KEY NOTE CALL OUT
	EXISTING IMPROVEMENTS
	PROPOSED IMPROVEMENTS/REPAIRS
	LIMITS OF CONSTRUCTION
	FLOATING TURBIDITY BARRIER
	ACCESS ROUTE
	CONCRETE
	AREA OF REPAIRS
	STAGING AREA
	FINISHED FLOOR ELEVATION



CORRECTED FINAL (CHECK SET)

**G-370 AND G-372
CONCRETE REFURBISHMENT AND COATING
GENERAL NOTES AND LEGEND**



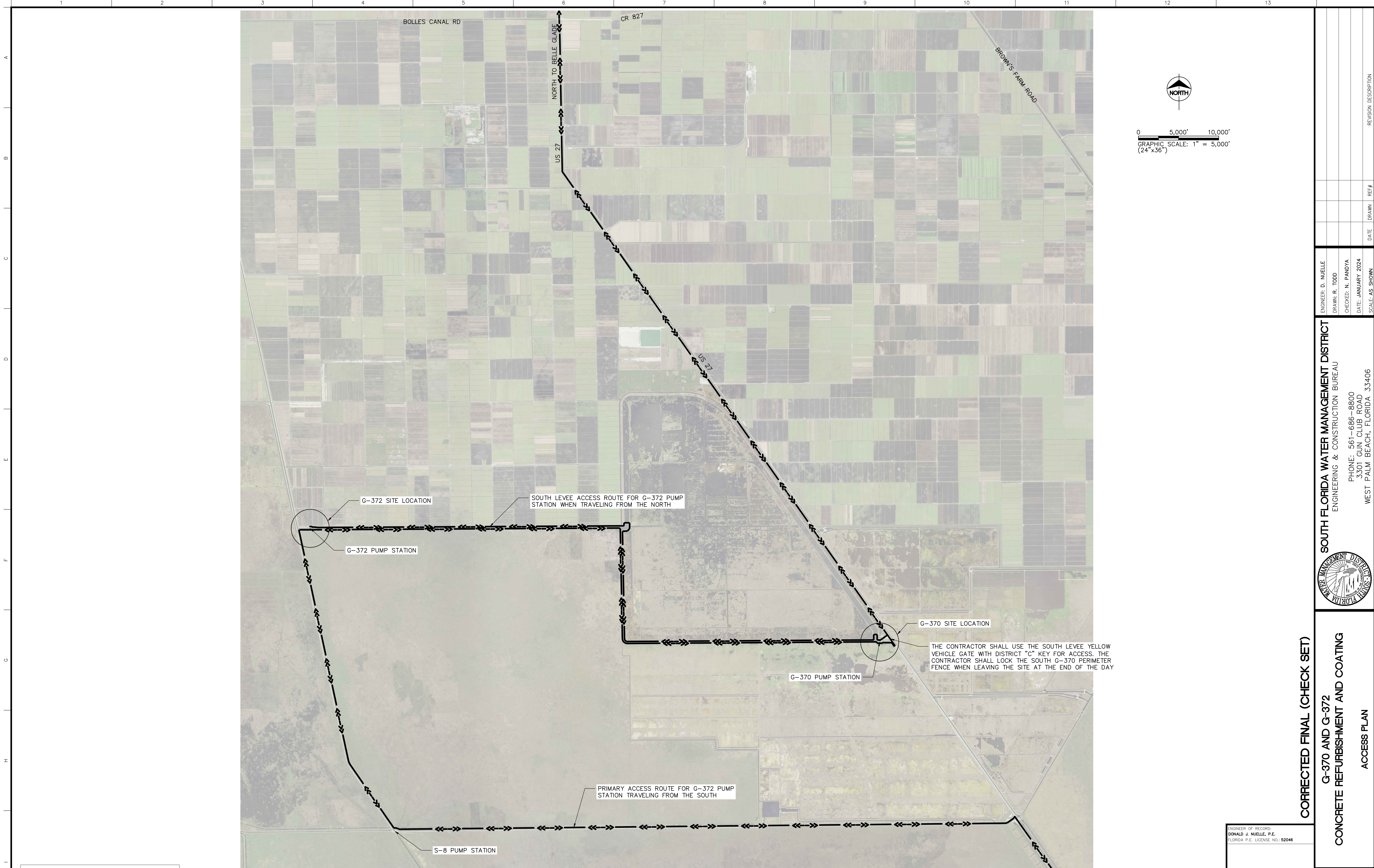
DATUM REFERENCE:
THE ELEVATIONS SHOWN HEREON ARE BASED ON THE NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NGVD29) NGVD29 = NAVD88 + 1.43 FOR THIS LOCATION.

The consultant, contractor or other parties associated with this project shall comply with Florida Statutes Chapter 119. These plans are the property of the District and must be secured and maintained in a confidential manner. Review by any unauthorized individual or outside/third party not performing work necessary for this project is prohibited.

ENGINEER OF RECORD: DONALD J. NUELLE, P.E. FLORIDA P.E. LICENSE NO: 52046
PROJECT ID NO. 101279
DRAWING NUMBER G002
SHEET 02 OF 16
DATE:

ENGINEER: D. NUELLE	DATE: JANUARY 2024
DRAWN: R. TODD	SCALE: AS SHOWN
CHECKED: N. PANDYA	REF #
DATE: JANUARY 2024	DATE
SCALE: AS SHOWN	REVISION DESCRIPTION

SOUTH FLORIDA WATER MANAGEMENT DISTRICT
ENGINEERING & CONSTRUCTION BUREAU
PHONE: 561-686-8800
3301 GUN CLUB ROAD
WEST PALM BEACH, FLORIDA 33406



G-372 SITE LOCATION
 G-372 PUMP STATION

SOUTH LEVEE ACCESS ROUTE FOR G-372 PUMP STATION WHEN TRAVELING FROM THE NORTH

G-370 SITE LOCATION

THE CONTRACTOR SHALL USE THE SOUTH LEVEE YELLOW VEHICLE GATE WITH DISTRICT "C" KEY FOR ACCESS. THE CONTRACTOR SHALL LOCK THE SOUTH G-370 PERIMETER FENCE WHEN LEAVING THE SITE AT THE END OF THE DAY

G-370 PUMP STATION

PRIMARY ACCESS ROUTE FOR G-372 PUMP STATION TRAVELING FROM THE SOUTH

S-8 PUMP STATION

Always call 811 two full business days before you dig to have underground utilities located and marked.

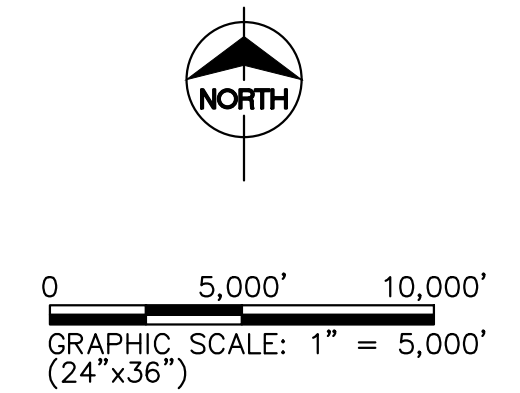


DATUM REFERENCE:

THE ELEVATIONS SHOWN HEREON ARE BASED ON THE NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NGVD29) NGVD29 = NAVD88 + 1.43 FOR THIS LOCATION.

ACCESS PLAN
 SCALE: 1" = 5,000'

The consultant, contractor or other parties associated with this project shall comply with Florida Statutes Chapter 119. These plans are the property of the District and must be secured and maintained in a confidential manner. Review by any unauthorized individual or outside/third party not performing work necessary for this project is prohibited.

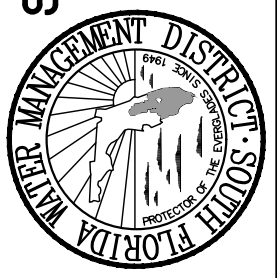


ENGINEER OF RECORD:
 DONALD J. NUELLE, P.E.
 FLORIDA P.E. LICENSE NO: 52046

CORRECTED FINAL (CHECK SET)
G-370 AND G-372
CONCRETE REFURBISHMENT AND COATING
ACCESS PLAN

PROJECT ID NO.
 101279
 DRAWING NUMBER
G003
 SHEET
03 OF 16

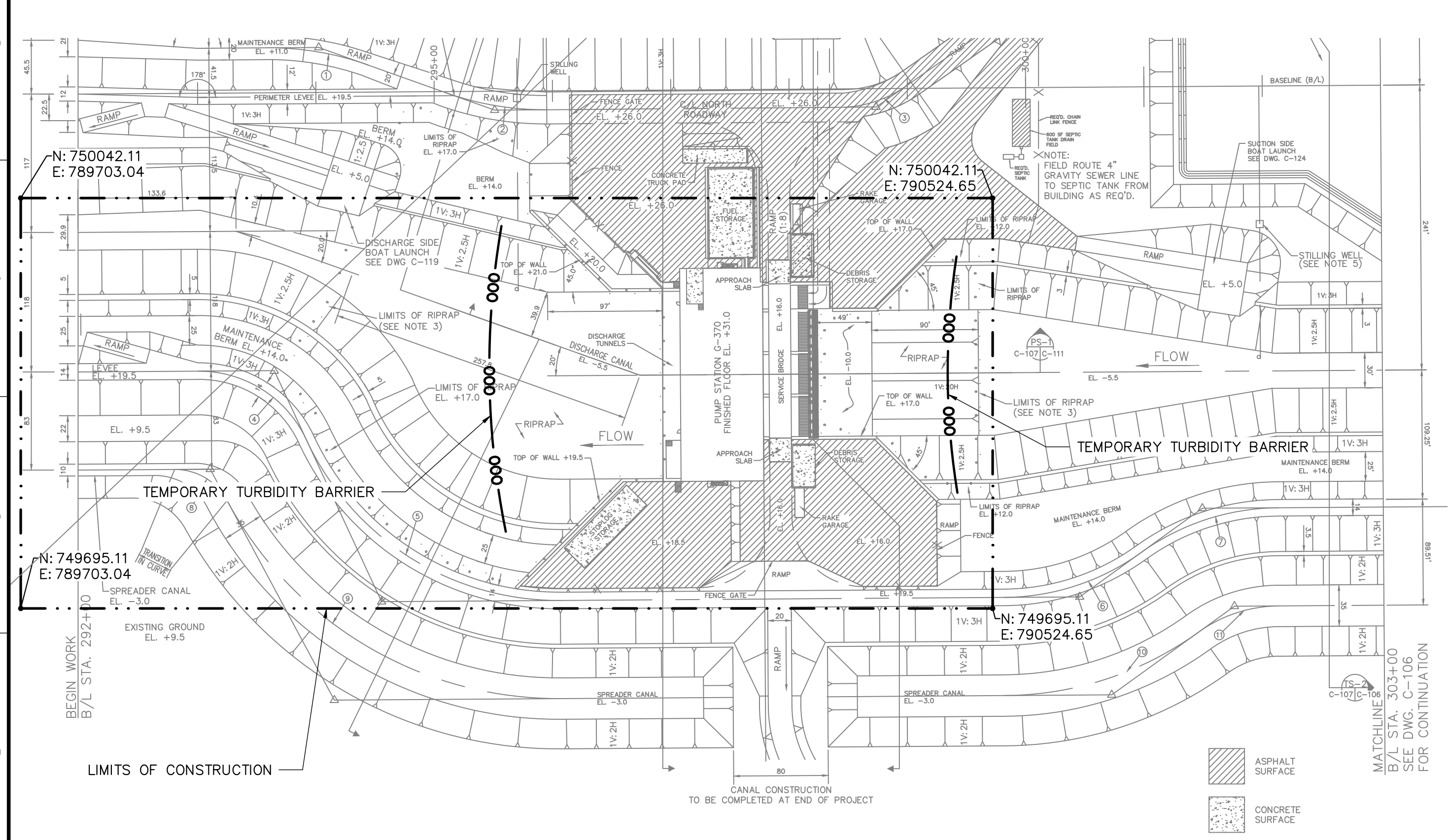
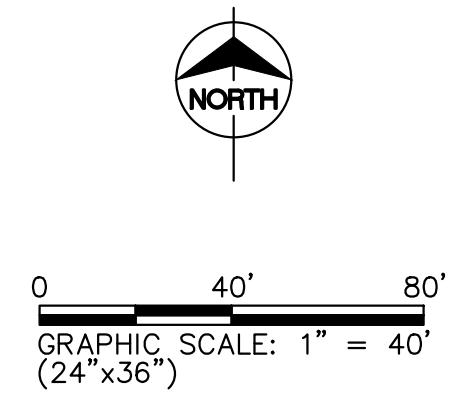
SOUTH FLORIDA WATER MANAGEMENT DISTRICT
 ENGINEERING & CONSTRUCTION BUREAU
 PHONE: 561-686-8800
 3301 GUN CLUB ROAD
 WEST PALM BEACH, FLORIDA 33406



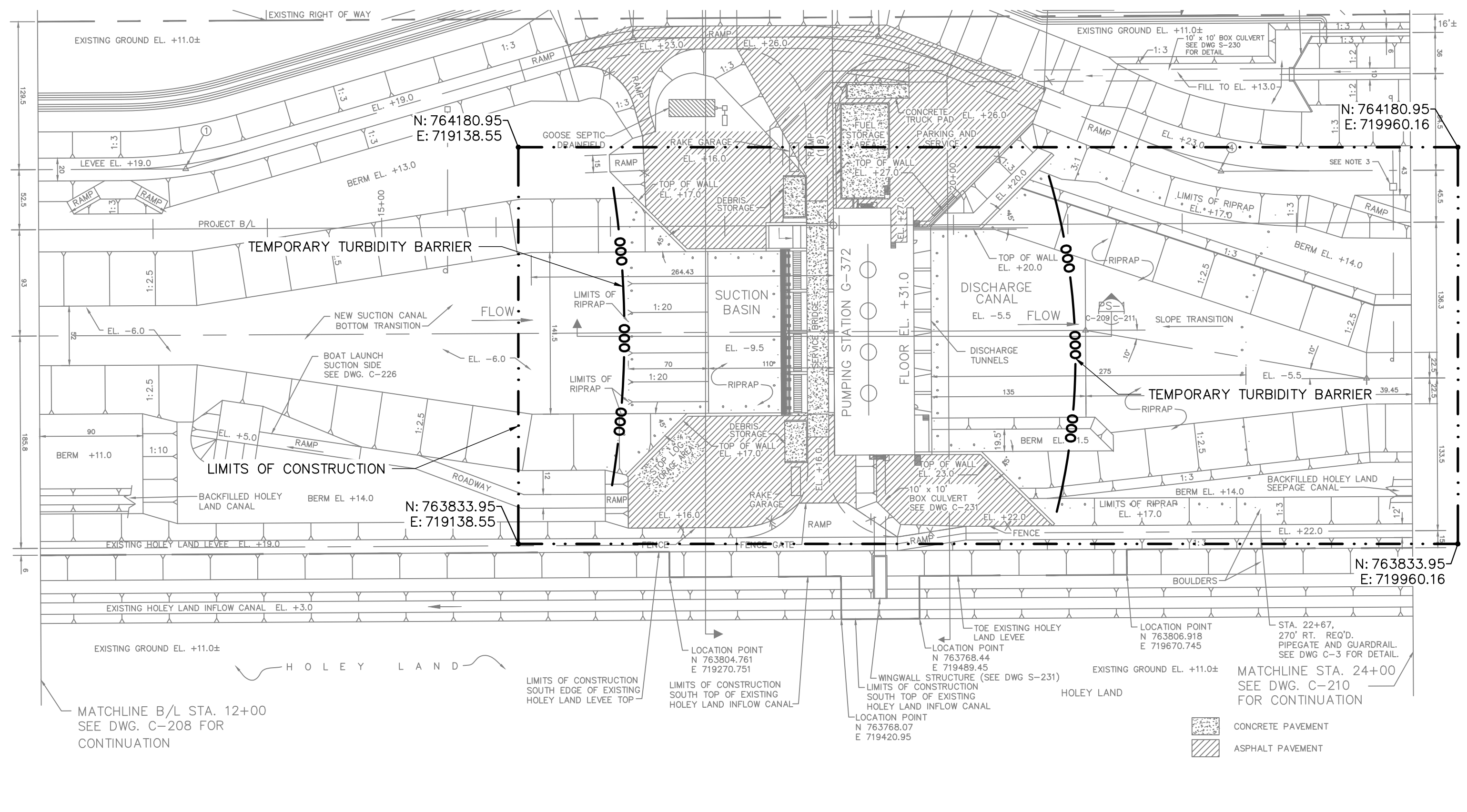
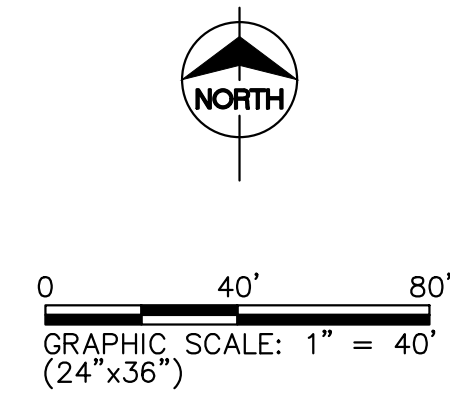
ENGINEER: D. NUELLE
 DRAWN: R. TODD
 CHECKED: N. PANDYA
 DATE: JANUARY 2024
 SCALE: AS SHOWN

DATE	DRAWN	REF #	REVISION DESCRIPTION

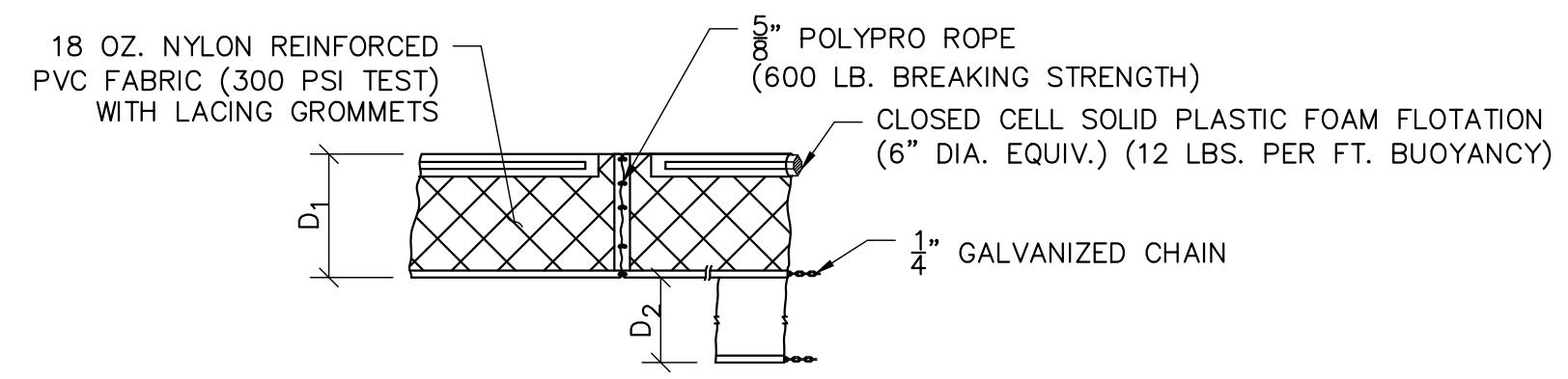
RV101279 - G370 and G372 Concrete Refurbishment and Coating Drawing Name: Final03 ACCESS PLAN.dwg, 1/23/2024 9:11:19 AM



G-370 TURBIDITY CONTROL PLAN
SCALE: 1" = 80'



G-372 TURBIDITY CONTROL PLAN
SCALE: 1" = 80'



D₁ = 5' STD. (SINGLE PANEL FOR DEPTHS 5' OR LESS).
D₂ = 5' STD. (ADDITIONAL PANEL FOR DEPTHS >5').
CURTAIN TO REACH BOTTOM UP TO DEPTHS OF 10 FEET (15 FT MINIMUM REQUIRED).
TWO (2) PANELS TO BE USED FOR DEPTHS GREATER THAN 10 FEET.

NOTICE:
COMPONENTS OF THE FLOATING TURBIDITY BARRIER MAY BE SIMILAR OR IDENTICAL TO PROPRIETARY DESIGNS. ANY INFRINGEMENT ON THE PROPRIETARY RIGHTS OF THE DESIGNER SHALL BE THE SOLE RESPONSIBILITY OF THE USER. SUBSTITUTIONS SHALL BE AS APPROVED BY THE DISTRICT.

FLOATING TURBIDITY BARRIER DETAILS
NOT TO SCALE

TURBIDITY BARRIER NOTES:

1. CONTRACTOR SHALL FURNISH, INSTALL AND MAINTAIN TYPE II FLOATING TURBIDITY BARRIER AT THE LOCATIONS SHOWN ON THE PLAN.
2. TURBIDITY BARRIER TO REMAIN IN PLACE UNTIL ALL RELATIVE CONSTRUCTION ACTIVITIES ARE COMPLETED, THERE IS NO VISIBLE PLUME IN THE WATER, AND WORK ZONE IS NO LONGER ACTIVE.
3. ACTIVE WORK ZONES SHALL BE DEFINED AS AREAS WHERE ACTIVITIES SHOWN ON TYPICAL SECTIONS ARE ONGOING.
4. THE CONTRACTOR SHALL BE RESPONSIBLE TO ADJUST OR INSTALL ADDITIONAL BMPs AS WARRANTED BY CHANGING CONDITIONS OR TO BE IN COMPLIANCE WITH THE PERMIT REQUIREMENTS.
5. FLOATING TURBIDITY BARRIERS SHALL HAVE A 5 FOOT DEEP CURTAIN.

Always call 811 two full business days before you dig to have underground utilities located and marked.

Sunshine811.com

DATUM REFERENCE:
THE ELEVATIONS SHOWN HEREON ARE BASED ON THE NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NGVD29) NGVD29 = NAVD88 + 1.43 FOR THIS LOCATION.

The consultant, contractor or other parties associated with this project shall comply with Florida Statutes Chapter 119. These plans are the property of the District and must be secured and maintained in a confidential manner. Review by any unauthorized individual or outside/third party not performing work necessary for this project is prohibited.

ENGINEER OF RECORD:
DONALD J. NUELLE, P.E.
FLORIDA P.E. LICENSE NO. 52046

CORRECTED FINAL (CHECK SET)

G-370 AND G-372
CONCRETE REFINISHMENT AND COATING
TURBIDITY CONTROL PLAN

PROJECT ID NO. 101279
DRAWING NUMBER **C001**
SHEET **04 OF 16**

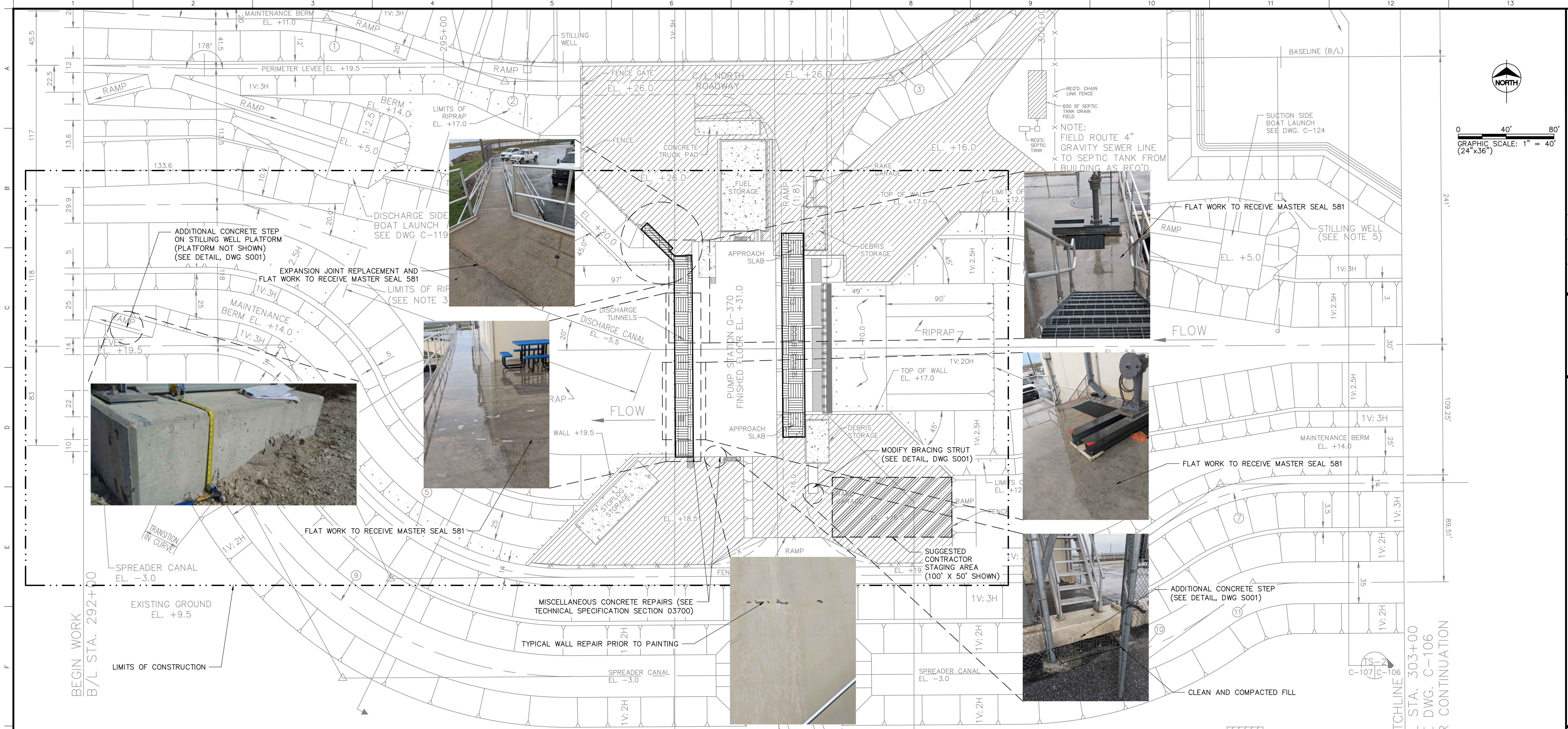
SOUTH FLORIDA WATER MANAGEMENT DISTRICT
ENGINEERING & CONSTRUCTION BUREAU

ENGINEER: D. NUELLE
DRAWN: R. TODD
CHECKED: N. PANDYA
DATE: JANUARY 2024
SCALE: AS SHOWN

PHONE: 561-686-8800
3301 GUN CLUB ROAD
WEST PALM BEACH, FLORIDA 33406

DATE	DRAWN	REF #	REVISION DESCRIPTION

R:\101279 - G370 and G372 Concrete Refinement and Coating\Drawing Name Files\04 TURBIDITY CONTROL PLAN.dwg, 1/23/2024 9:11:51 AM



G-370 SITE WORK AND CONCRETE REFRUBISHMENT PLAN
 SCALE: 1" = 40'

- GENERAL NOTES:**
- BEST MANAGEMENT PRACTICES SHALL BE USED IN THE SMALL CONCRETE STEP AREAS TO PREVENT EROSION OF THE EARTHWORK.
 - MAINTAIN OPEN AREA FOR OFFLOADING OF FUEL TRUCKS.
 - CONTRACTOR INFORM DISTRICT PERSONNEL VIA EMAIL WHEN SERVICE BRIDGE WILL NOT BE ACCESSIBLE FOR PAINTING.
 - REPLACE REFLECTIVE DOT MARKING TAPE WITH NEW ON ALL ROLL-UP DOORS.
 - ROLL-UP DOORS TO BE PAINTED, INSTALL NEW BUG SCREEN AFTER DOOR IS COMPLETED.

LEGEND:

AREA TO BE CLEANED AND PROTECTIVE COATING (MASTERSEAL 581 OR APPROVED EQUAL) APPLIED

ASPHALT SURFACE

CONCRETE SURFACE

MATCHLINE
 B/L STA. 303+00
 SEE DWG. C-106
 FOR CONTINUATION

CORRECTED FINAL (CHECK SET)

**G-370 AND G-372
 CONCRETE REFRUBISHMENT AND COATING
 G-370 SITE WORK AND CONCRETE REFRUBISHMENT PLAN**

SOUTH FLORIDA WATER MANAGEMENT DISTRICT
 ENGINEERING & CONSTRUCTION BUREAU
 PHONE: 561-686-8800
 3301 GUN CLUB ROAD
 WEST PALM BEACH, FLORIDA 33406

ENGINEER: D. NUELLE	DATE: JANUARY 2024
DRAWN: R. TODD	SCALE: AS SHOWN
CHECKED: N. PANDYA	REVISION DESCRIPTION
DATE: JANUARY 2024	DATE
SCALE: AS SHOWN	DRAWN
	REF#

ENGINEER OF RECORD:
 DONALD J. NUELLE, P.E.
 FLORIDA P.E. LICENSE NO: 52046

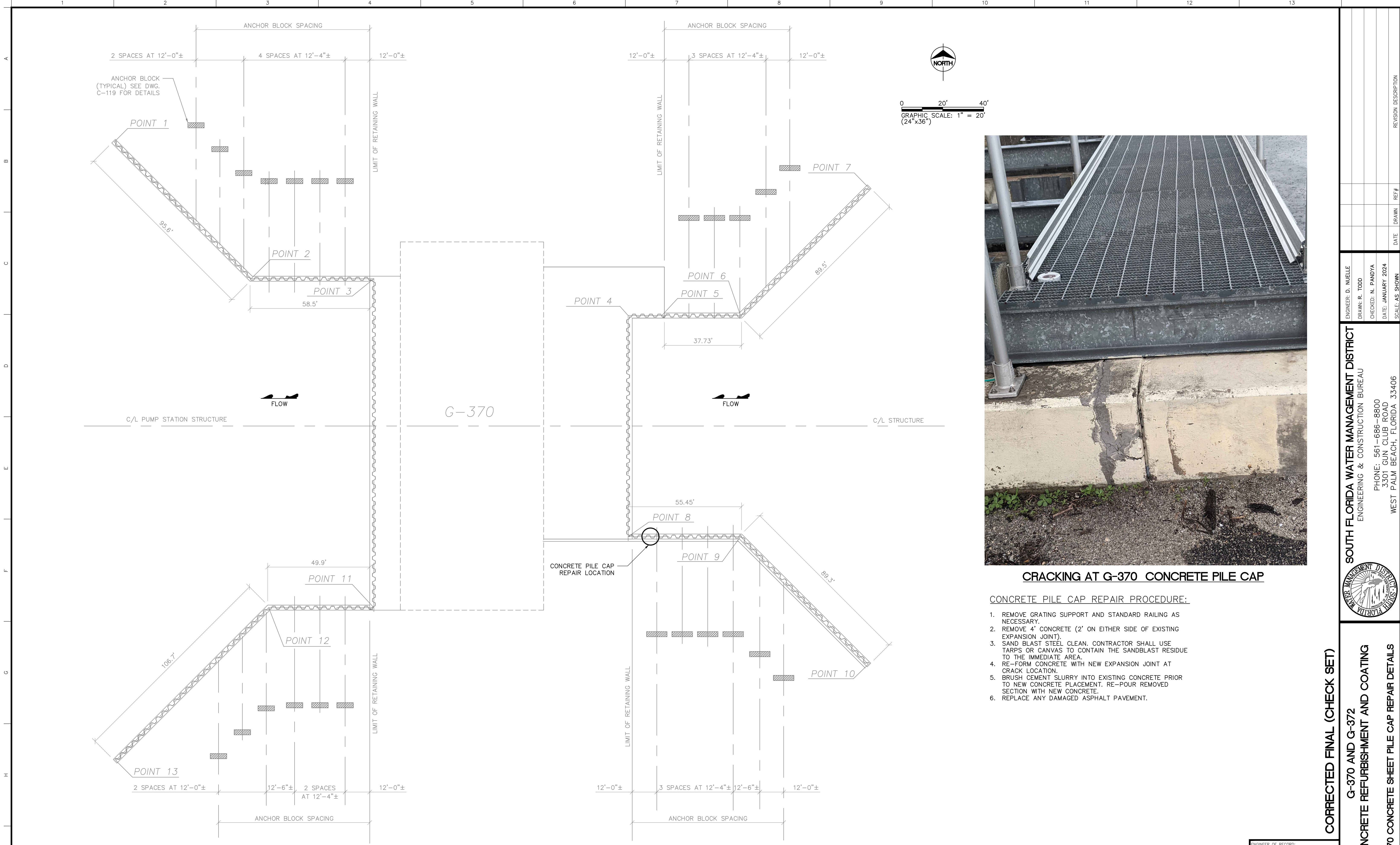
PROJECT ID NO.
 101279
 DRAWING NUMBER
C002
 SHEET
05 OF 16

Always call 811 two full business days before you dig to have underground utilities located and marked.
Sunshine811.com

DATUM REFERENCE:
 THE ELEVATIONS SHOWN HEREON ARE BASED ON THE NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NGVD29) NGVD29 = NAVD88 + 1.43 FOR THIS LOCATION.

The consultant, contractor or other parties associated with this project shall comply with Florida Statutes Chapter 119. These plans are the property of the District and must be secured and maintained in a confidential manner. Review by any unauthorized individual or outside/third party not performing work necessary for this project is prohibited.

R:\101279 - G370 and G372 Concrete Refurbishment and Coating\Drawing Name Files\G-370 SITE WORK AND CONCRETE REFRUBISHMENT PLAN.dwg 1/23/2024 9:15:56 AM



G-370 CONCRETE SHEET PILE CAP REPAIR PLAN
SCALE: 1" = 20'



CRACKING AT G-370 CONCRETE PILE CAP

CONCRETE PILE CAP REPAIR PROCEDURE:

1. REMOVE GRATING SUPPORT AND STANDARD RAILING AS NECESSARY.
2. REMOVE 4' CONCRETE (2' ON EITHER SIDE OF EXISTING EXPANSION JOINT).
3. SAND BLAST STEEL CLEAN. CONTRACTOR SHALL USE TARPS OR CANVAS TO CONTAIN THE SANDBLAST RESIDUE TO THE IMMEDIATE AREA.
4. RE-FORM CONCRETE WITH NEW EXPANSION JOINT AT CRACK LOCATION.
5. BRUSH CEMENT SLURRY INTO EXISTING CONCRETE PRIOR TO NEW CONCRETE PLACEMENT. RE-POUR REMOVED SECTION WITH NEW CONCRETE.
6. REPLACE ANY DAMAGED ASPHALT PAVEMENT.

Always call 811 two full business days before you dig to have underground utilities located and marked.



DATUM REFERENCE:

THE ELEVATIONS SHOWN HEREON ARE BASED ON THE NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NGVD29) NGVD29 = NAVD88 + 1.43 FOR THIS LOCATION.

The consultant, contractor or other parties associated with this project shall comply with Florida Statutes Chapter 119. These plans are the property of the District and must be secured and maintained in a confidential manner. Review by any unauthorized individual or outside/third party not performing work necessary for this project is prohibited.

ENGINEER OF RECORD: DONALD J. NUELLE, P.E. FLORIDA P.E. LICENSE NO.: 52046
PROJECT ID NO. 101279
DRAWING NUMBER C003
SHEET 06 OF 16

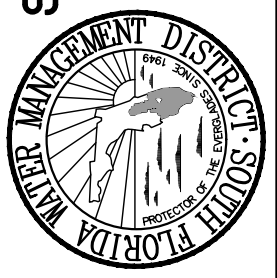
CORRECTED FINAL (CHECK SET)

G-370 AND G-372 CONCRETE REFURBISHMENT AND COATING

G-370 CONCRETE SHEET PILE CAP REPAIR DETAILS

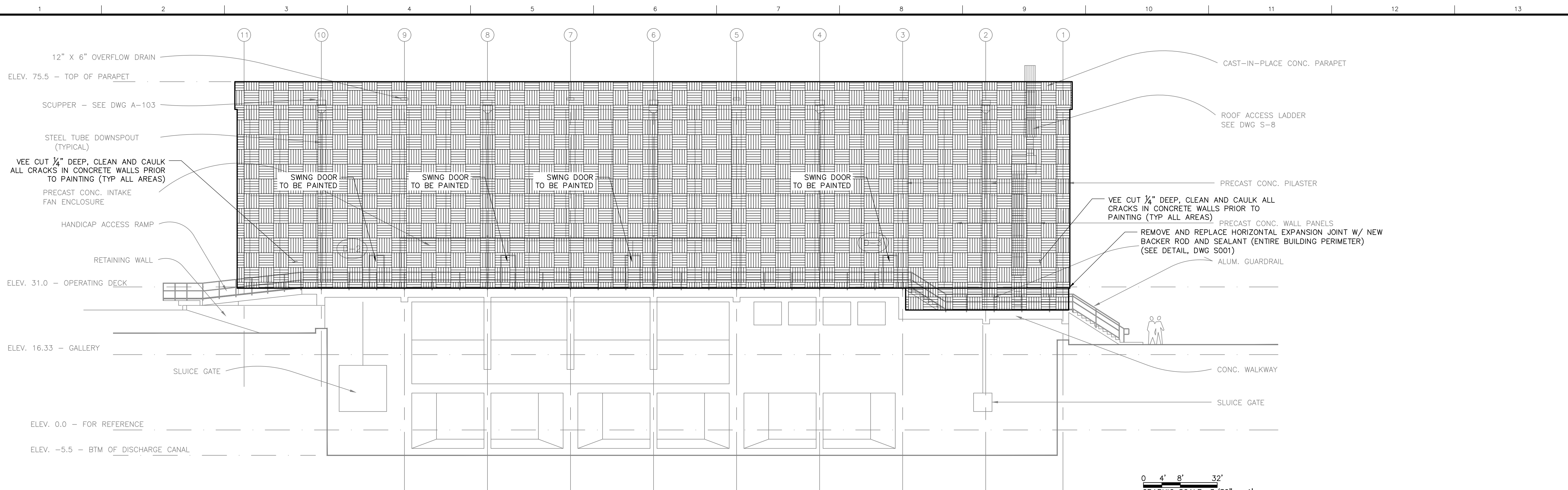
SOUTH FLORIDA WATER MANAGEMENT DISTRICT
ENGINEERING & CONSTRUCTION BUREAU

PHONE: 561-686-8800
3301 GUN CLUB ROAD
WEST PALM BEACH, FLORIDA 33406



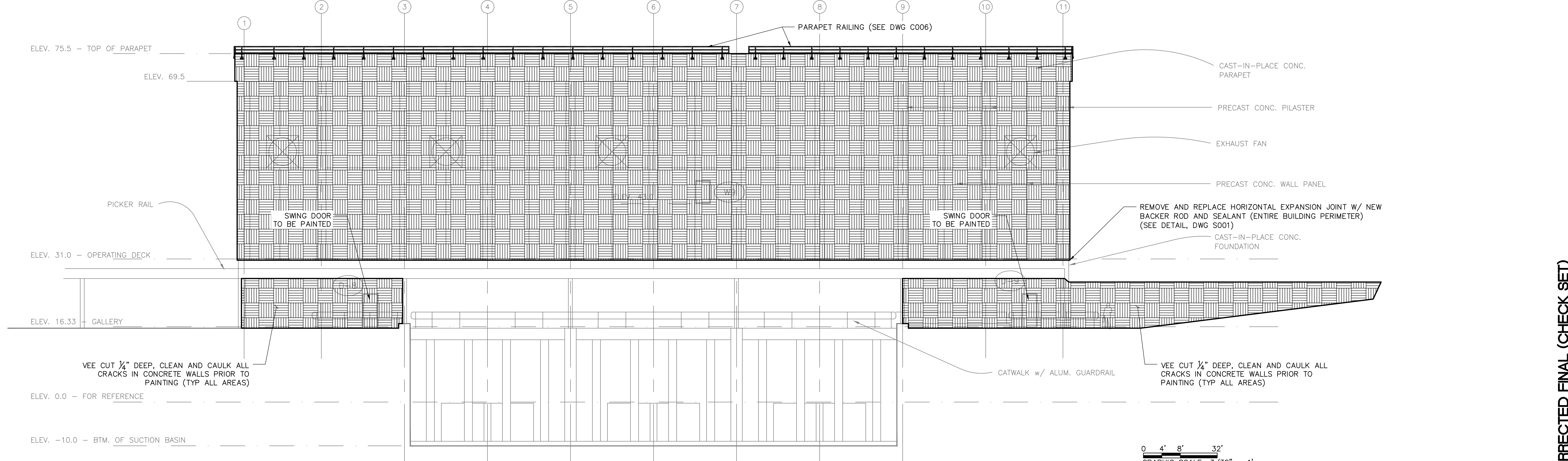
ENGINEER: D. NUELLE	DATE: JANUARY 2024
DRAWN: R. TODD	SCALE: AS SHOWN
CHECKED: N. PANDYA	REF #
REVISION DESCRIPTION	

R:\101279 - G370 and G372 Concrete Refurbishment and Coating\Drawing Name Files\G-370 CONCRETE SHEET PILE CAP REPAIR DETAILS.dwg 1/23/2024 9:10:21 AM



G-370 DISCHARGE SIDE CONCRETE REFRUBISHMENT ELEVATION
SCALE: 3/32" = 1'-0"

0 4' 8' 32'
GRAPHIC SCALE: 3/32" = 1'
(24"x36")



G-370 INTAKE SIDE CONCRETE REFRUBISHMENT ELEVATION
SCALE: 3/32" = 1'-0"

0 4' 8' 32'
GRAPHIC SCALE: 3/32" = 1'
(24"x36")

LEGEND:

AREA TO BE REPAIRED, CLEANED, AND COATING APPLIED

Always call 811 two full business days before you dig to have underground utilities located and marked.



DATUM REFERENCE:
THE ELEVATIONS SHOWN HEREON ARE BASED ON THE NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NGVD29) NGVD29 = NAVD88 + 1.43 FOR THIS LOCATION.

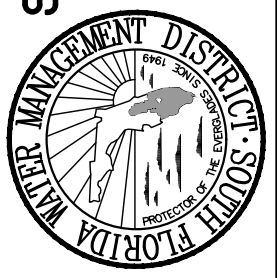
The consultant, contractor or other parties associated with this project shall comply with Florida Statutes Chapter 119. These plans are the property of the District and must be secured and maintained in a confidential manner. Review by any unauthorized individual or outside/third party not performing work necessary for this project is prohibited.

CORRECTED FINAL (CHECK SET)

**G-370 AND G-372
CONCRETE REFRUBISHMENT AND COATING
G-370 CONCRETE REFRUBISHMENT DETAILS 1 OF 2**

PROJECT ID NO.
101279
DRAWING NUMBER
C004
SHEET
07 OF 16

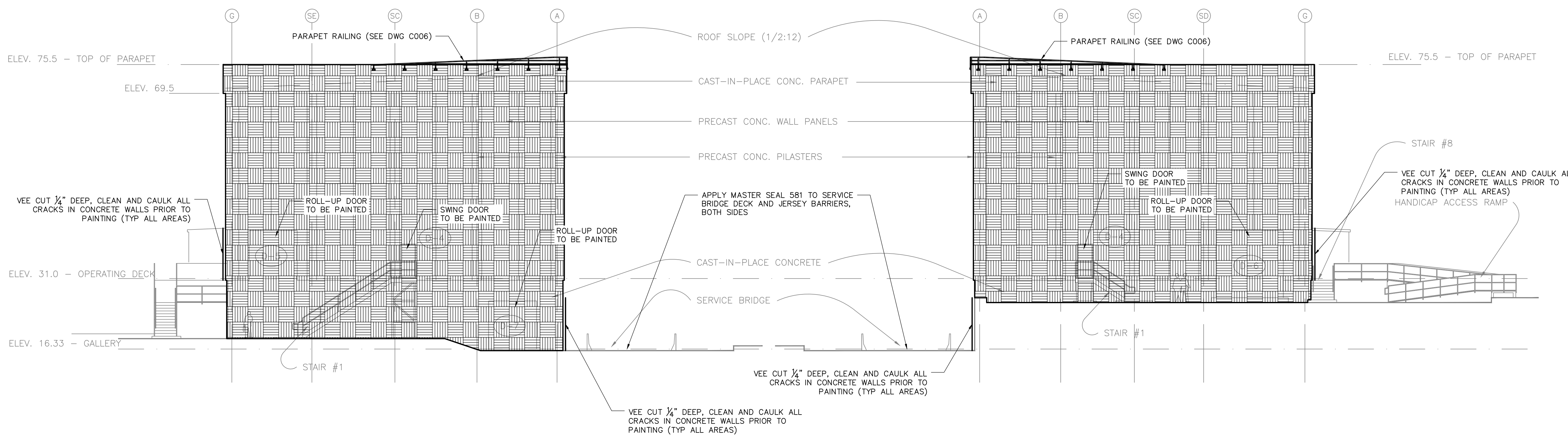
SOUTH FLORIDA WATER MANAGEMENT DISTRICT
ENGINEERING & CONSTRUCTION BUREAU
PHONE: 561-686-8800
3301 GUN CLUB ROAD
WEST PALM BEACH, FLORIDA 33406



ENGINEER: D. NUELLE
DRAWN: R. TODD
CHECKED: N. PANDYA
DATE: JANUARY 2024
SCALE: AS SHOWN

REVISION DESCRIPTION	DATE	DRAWN	REF#

R:\101279 - G370 and G372 Concrete Refurbishment and Coating\Drawing Name Files\07 G-370 CONCRETE REFRUBISHMENT DETAILS 1 OF 2.dwg, 1/23/2024 9:12:05 AM



G-370 SOUTH END CONCRETE REFURBISHMENT ELEVATION

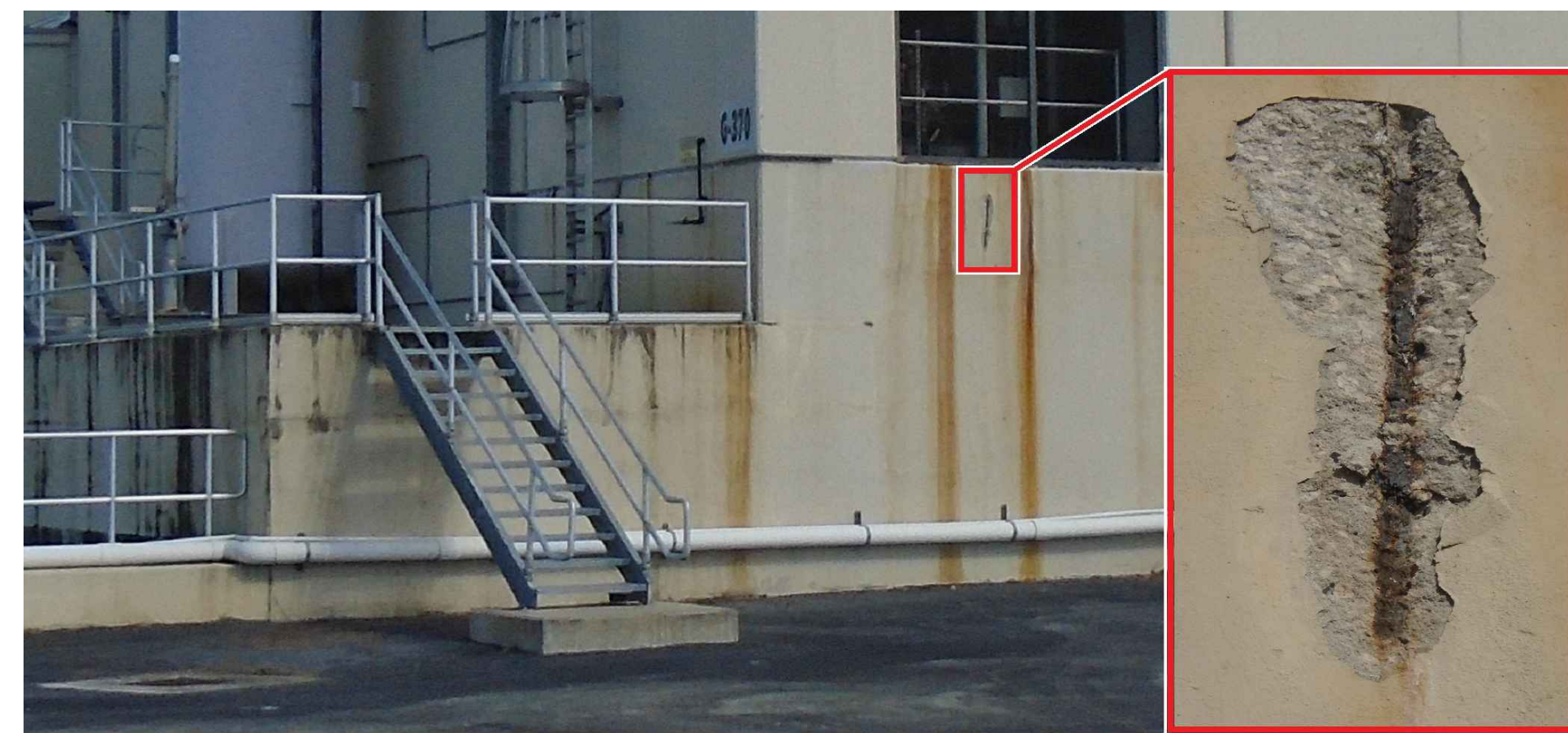
SCALE: 3/32" = 1'-0"

0 4' 8' 32'
 GRAPHIC SCALE: 3/32" = 1'
 (24"x36")

G-370 NORTH END CONCRETE REFURBISHMENT ELEVATION

SCALE: 3/32" = 1'-0"

0 4' 8' 32'
 GRAPHIC SCALE: 3/32" = 1'
 (24"x36")



G-370 SOUTH END CONCRETE DAMAGE

LEGEND:

AREA TO BE REPAIRED, CLEANED, AND COATING APPLIED

Always call 811 two full business days before you dig to have underground utilities located and marked.



DATUM REFERENCE:

THE ELEVATIONS SHOWN HEREON ARE BASED ON THE NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NGVD29) NGVD29 = NAVD88 + 1.43 FOR THIS LOCATION.

The consultant, contractor or other parties associated with this project shall comply with Florida Statutes Chapter 119. These plans are the property of the District and must be secured and maintained in a confidential manner. Review by any unauthorized individual or outside/third party not performing work necessary for this project is prohibited.

ENGINEER OF RECORD: DONALD J. NUELLE, P.E. FLORIDA P.E. LICENSE NO: 52046
PROJECT ID NO. 101279
DRAWING NUMBER C005
SHEET 08 OF 16

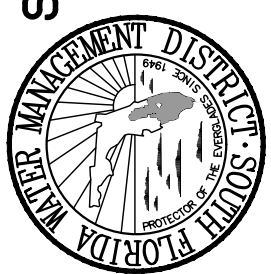
CORRECTED FINAL (CHECK SET)

**G-370 AND G-372
 CONCRETE REFURBISHMENT AND COATING**

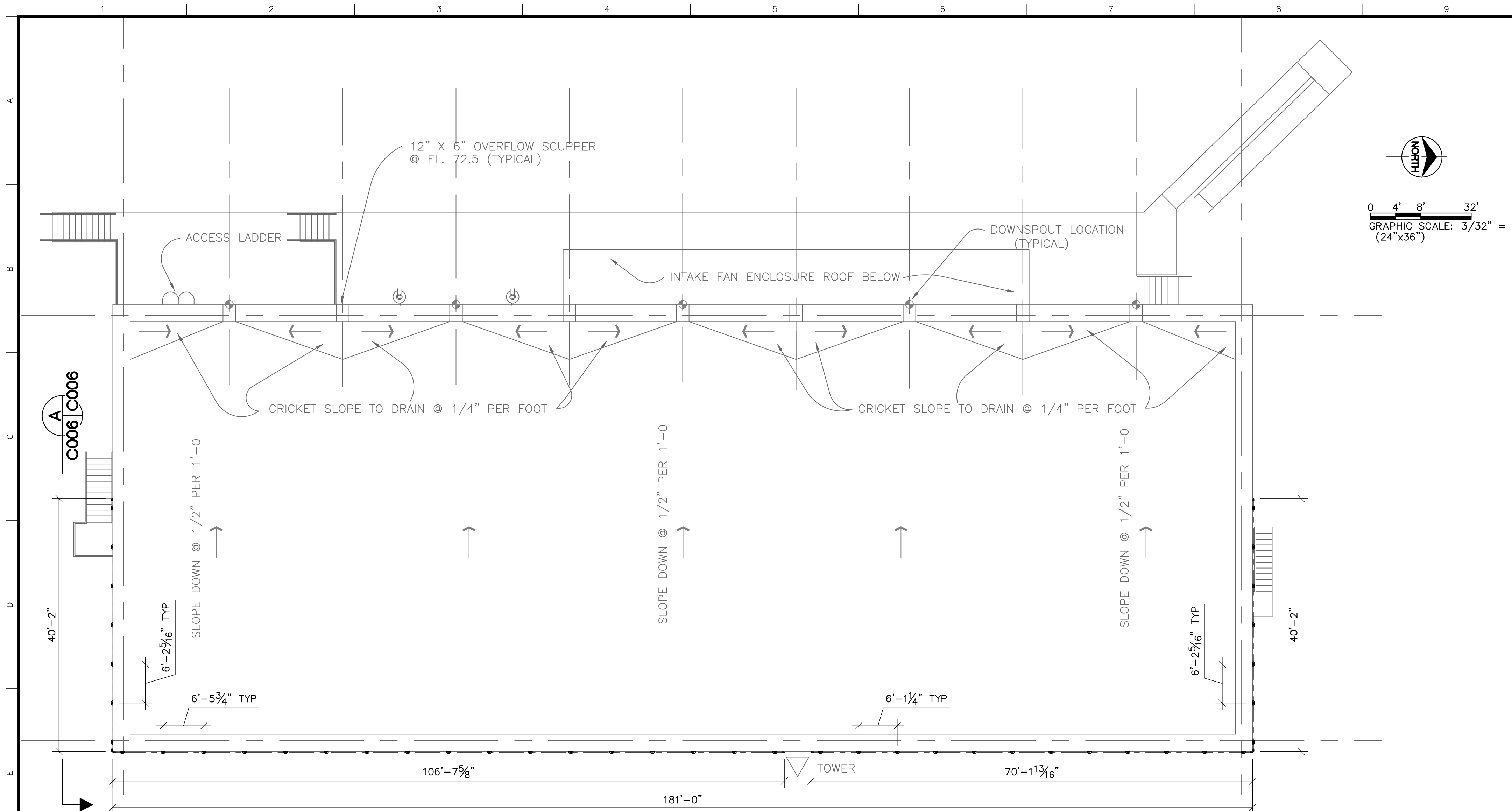
G-370 CONCRETE REFURBISHMENT DETAILS 2 OF 2

SOUTH FLORIDA WATER MANAGEMENT DISTRICT
 ENGINEERING & CONSTRUCTION BUREAU

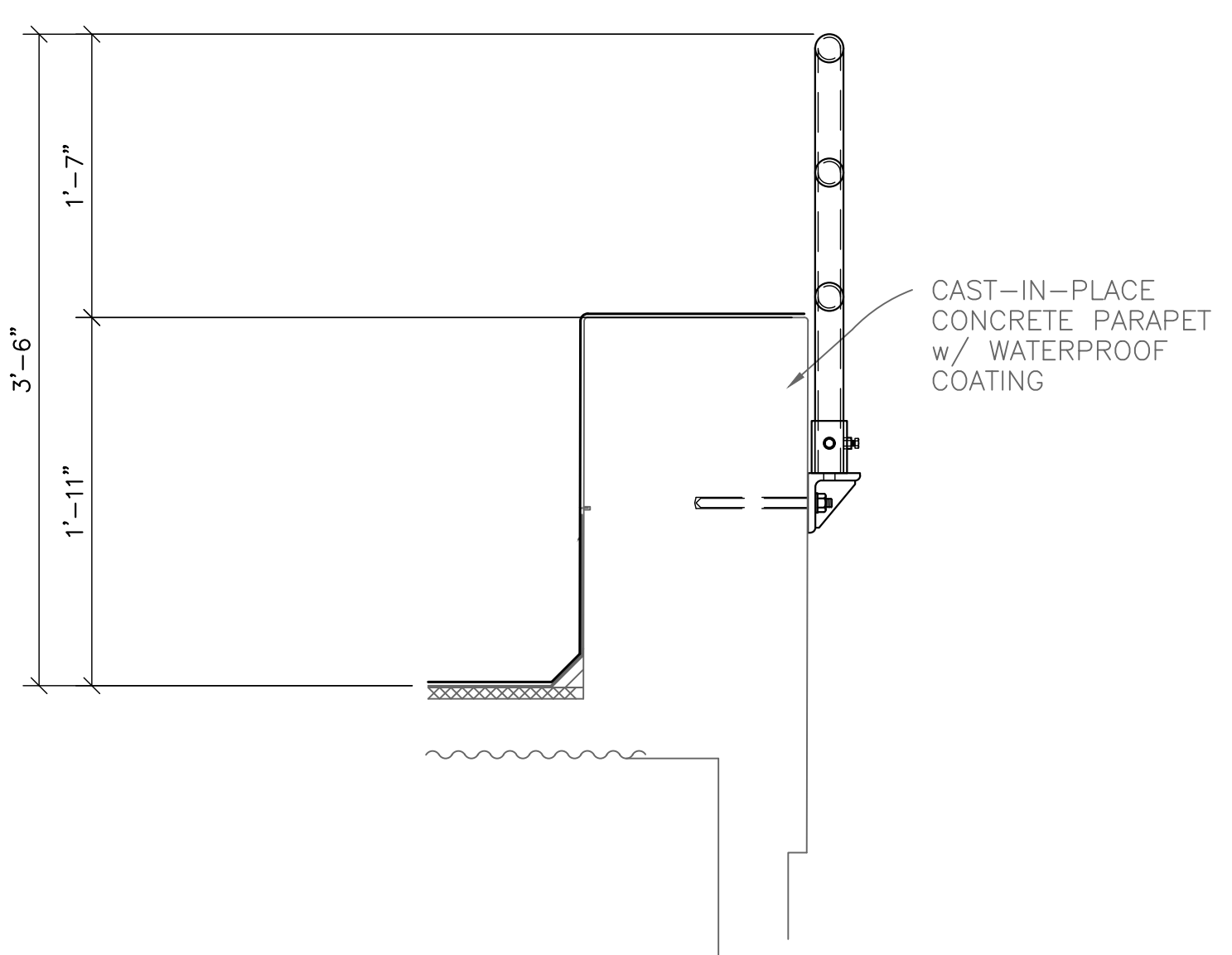
PHONE: 561-686-8800
 3301 GUN CLUB ROAD
 WEST PALM BEACH, FLORIDA 33406



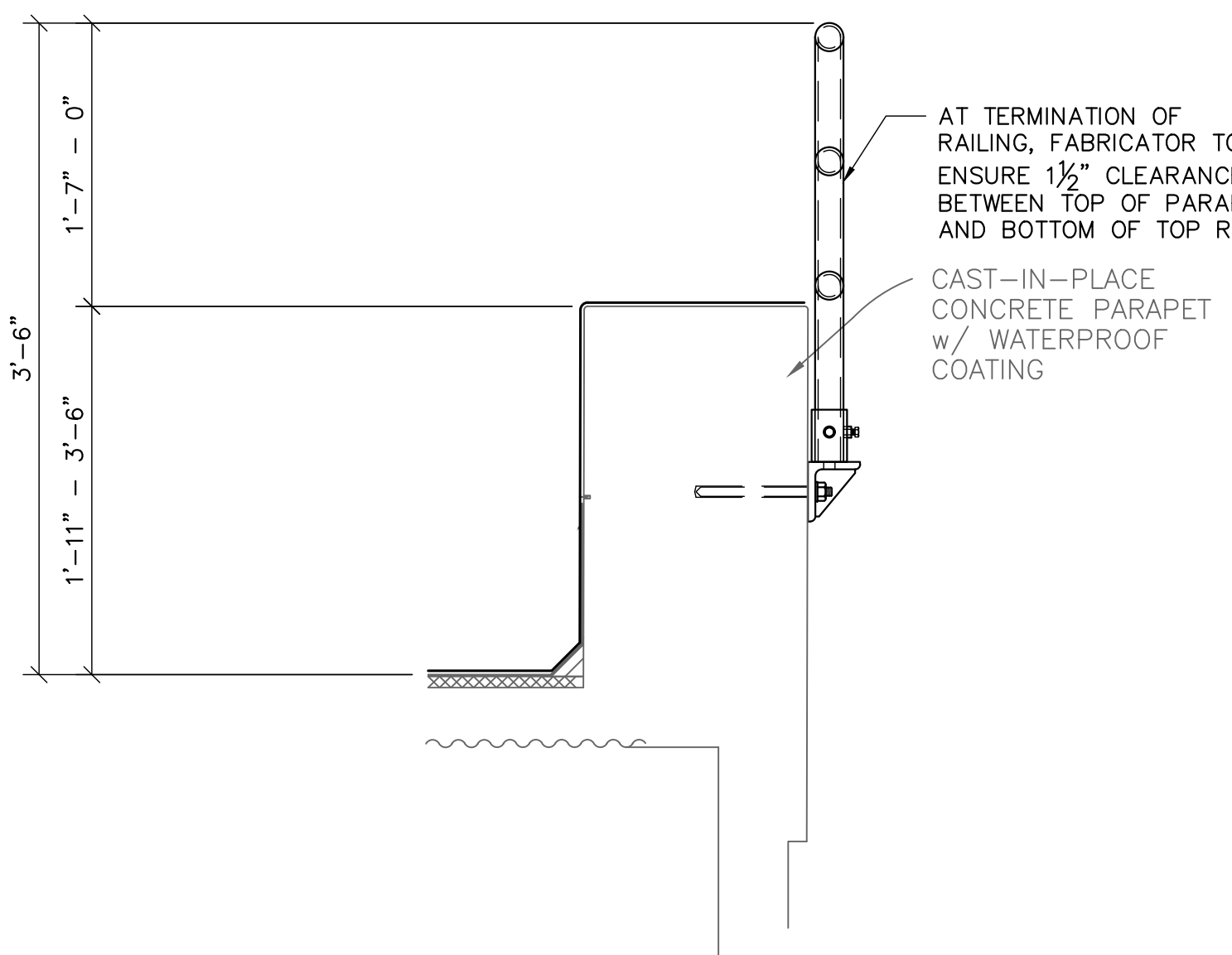
DATE	DRAWN	REF#	REVISION DESCRIPTION
JANUARY 2024	N. PANDYA		



G-370 PARAPET RAILING PLAN
SCALE: 3/32" = 1'-0"



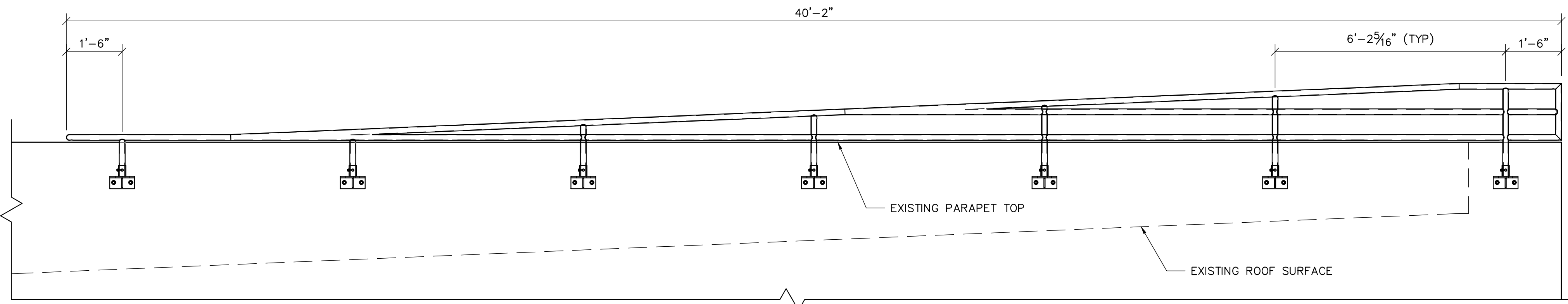
EAST PARAPET WALL DETAIL
NOT TO SCALE



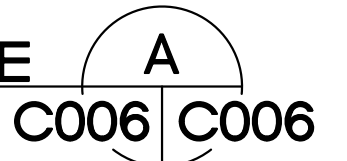
NORTH AND SOUTH PARAPET WALLS DETAIL
NOT TO SCALE

GENERAL NOTES:

1. PROVIDE STANDARD RAILING AS INDICATED ON THE RAILING PLAN.
2. PROVIDE 1 1/2" NPS SCHEDULE 80 PIPE POSTS AND 1 1/2" NPS SCHEDULE 40 PIPE RAILS.
3. COPE ALL INTERSECTIONS OF RAILS AND POSTS, WELD JOINTS, AND GRIND SMOOTH TAKING CARE TO NOT REMOVE EXCESSIVE AMOUNTS OF WELDED MATERIALS.
4. GALVANIZING:
 - A. HOT-DIP GALVANIZE ALL ASSEMBLIES AFTER FABRICATION.
 - B. PROVIDE INTERNAL VENTING AND DRAIN HOLES IN ALL PIPE AND TUBE ASSEMBLIES IN ACCORDANCE WITH ASTM A385 PRIOR TO GALVANIZATION.
 - C. ALL DRAIN HOLES SHALL BE FILLED WITH ZINC PLUGS AFTER GALVANIZATION.
 - D. WEEP HOLES SHALL NOT BE FILLED.
5. THE CONTRACTOR SHALL HIRE ADVANCED ROOFING FOR ANY ROOF DAMAGE REPAIRS ON G-370 UPPER, LOWER, AND G-372 UPPER ROOFS. THE CONTRACTOR SHALL HIRE CJ CONTRACTING FOR ANY ROOF DAMAGE REPAIRS ON G-372 LOWER ROOF.
6. CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO FABRICATION.
7. SEE DWG C012 FOR PARAPET RAILING TYPICAL DETAILS.
8. THE CONTRACTOR SHALL NOT REMOVE/ADJUST THE SCUPPER BOX TO COLLECTION BOX CONNECTIONS OR OVERFLOW SCUPPERS. IF THE ROOF SYSTEM IS DAMAGED DURING CONSTRUCTION, THE CONTRACTOR SHALL HIRE THE G-370 AND G-372 ROOF REPLACEMENT CONTRACTOR TO REPAIR ALL ROOF SYSTEM DAMAGES. IF REPAIRS ARE NOT COMPLETED BY THIS ROOF CONTRACTOR, THE 20-YEAR WARRANTY WILL BE VOIDED.



SOUTH PARAPET RAILING PROFILE
SCALE: 1/2" = 1'-0"
(NORTH PARAPET RAILING SIMILAR)



Always call 811 two full business days before you dig to have underground utilities located and marked.

Sunshine811.com

DATUM REFERENCE:
THE ELEVATIONS SHOWN HEREON ARE BASED ON THE NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NGVD29) NGVD29 = NAVD88 + 1.43 FOR THIS LOCATION.

The consultant, contractor or other parties associated with this project shall comply with Florida Statutes Chapter 119. These plans are the property of the District and must be secured and maintained in a confidential manner. Review by any unauthorized individual or outside/third party not performing work necessary for this project is prohibited.

ENGINEER OF RECORD:
DONALD J. NUELLE, P.E.
FLORIDA P.E. LICENSE NO. 52046

CORRECTED FINAL (CHECK SET)

**G-370 AND G-372
CONCRETE REFURBISHMENT AND COATING**

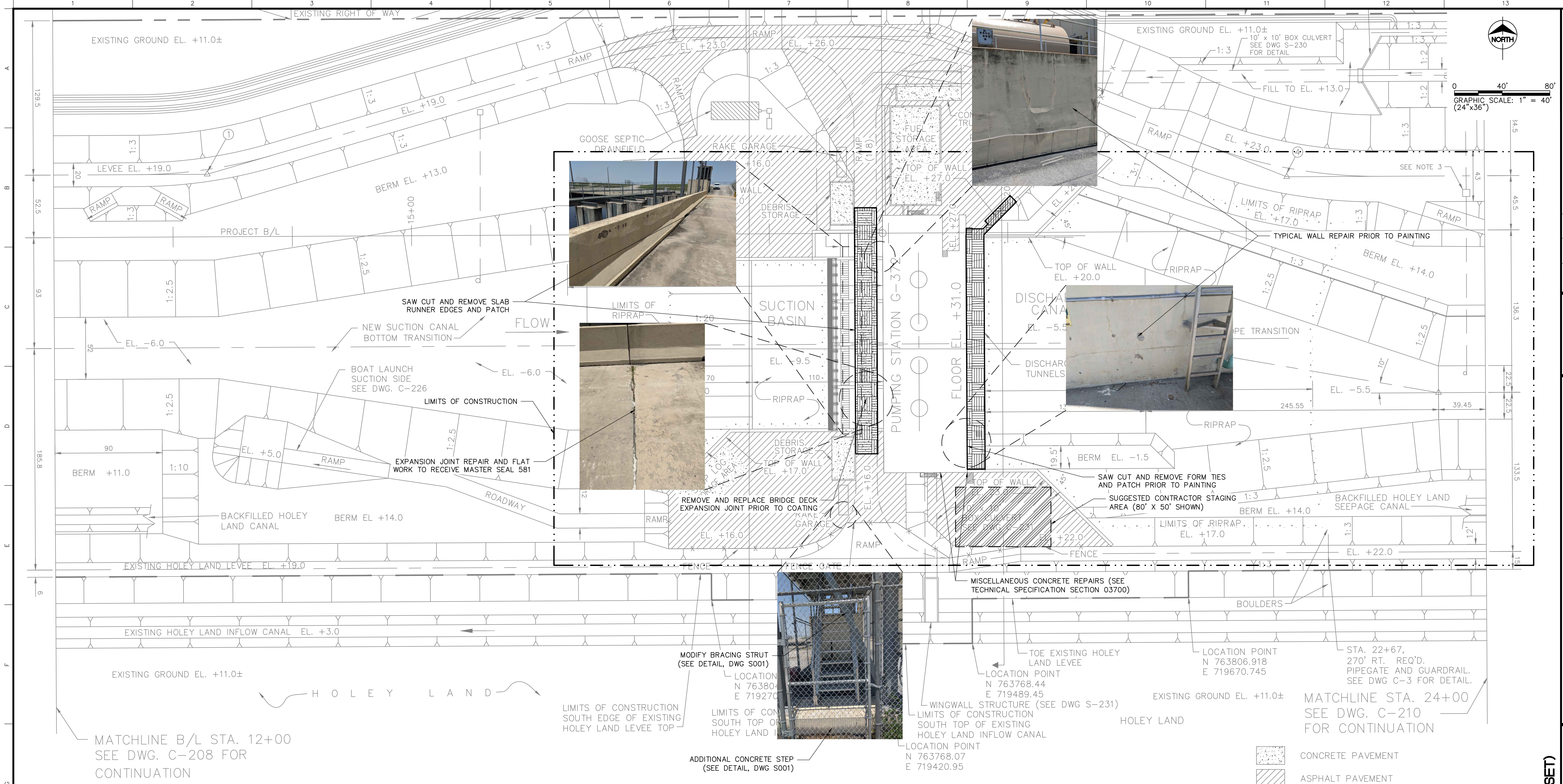
G-370 PARAPET RAILING DETAILS

PROJECT ID NO.
101279
DRAWING NUMBER
C006
SHEET
09 OF 16

SOUTH FLORIDA WATER MANAGEMENT DISTRICT
ENGINEERING & CONSTRUCTION BUREAU

PHONE: 561-686-8800
3301 GUN CLUB ROAD
WEST PALM BEACH, FLORIDA 33406

ENGINEER	DRAWN	CHECKED	DATE	SCALE	REF #	REVISION DESCRIPTION
D. NUELLE	R. TODD	N. PANDYA	JANUARY 2024	AS SHOWN		



G-372 SITE WORK AND CONCRETE REFRUBISHMENT PLAN
 SCALE: 1" = 40'

- GENERAL NOTES:**
- BEST MANAGEMENT PRACTICES SHALL BE USED IN THE SMALL CONCRETE STEP AREAS TO PREVENT EROSION OF THE EARTHWORK.
 - MAINTAIN OPEN AREA FOR OFFLOADING OF FUEL TRUCKS.
 - CONTRACTOR INFORM DISTRICT PERSONNEL VIA EMAIL WHEN SERVICE BRIDGE WILL NOT BE ACCESSIBLE FOR PAINTING.
 - REPLACE REFLECTIVE DOT MARKING TAPE WITH NEW ON ALL ROLL-UP DOORS.
 - ROLL-UP DOORS TO BE PAINTED, INSTALL NEW BUG SCREEN AFTER DOOR IS COMPLETED.

LEGEND:

- CONCRETE PAVEMENT
- ASPHALT PAVEMENT
- AREA TO BE CLEANED AND PROTECTIVE COATING APPLIED

ENGINEER OF RECORD:
 DONALD J. NUELLE, P.E.
 FLORIDA P.E. LICENSE NO. 52046

CORRECTED FINAL (CHECK SET)

**G-370 AND G-372
 CONCRETE REFRUBISHMENT AND COATING**

G-372 SITE WORK AND CONCRETE REFRUBISHMENT PLAN

PROJECT ID NO.
101279
 DRAWING NUMBER
C007
 SHEET
10 OF 16

SOUTH FLORIDA WATER MANAGEMENT DISTRICT
 ENGINEERING & CONSTRUCTION BUREAU

PHONE: 561-686-8800
 3301 GUN CLUB ROAD
 WEST PALM BEACH, FLORIDA 33406

ENGINEER: D. NUELLE
 DRAWN: R. TODD
 CHECKED: N. PANDYA
 DATE: JANUARY 2024
 SCALE: AS SHOWN

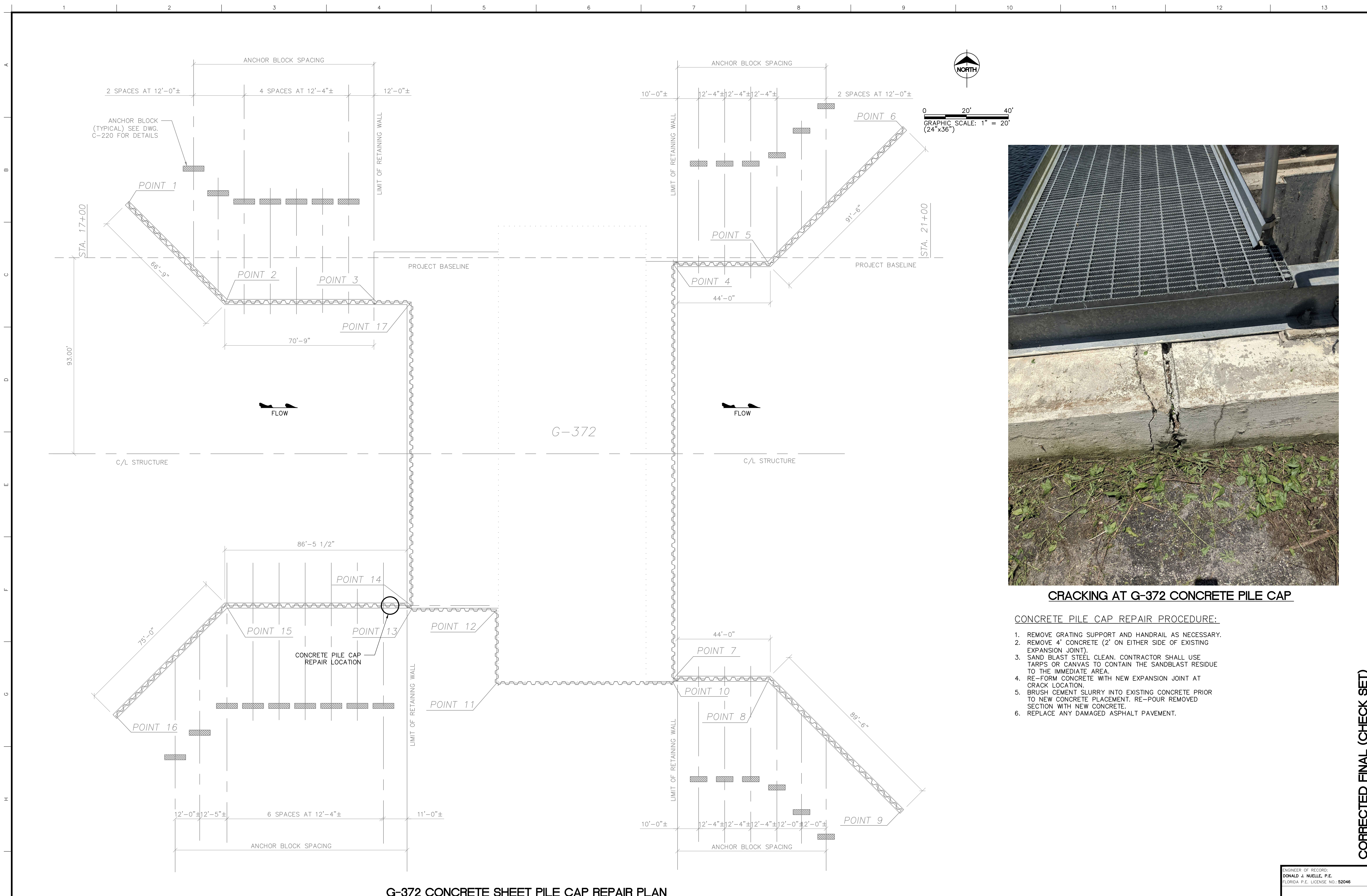
REVISION DESCRIPTION	DATE	DRAWN	REF#



DATUM REFERENCE:
 THE ELEVATIONS SHOWN HEREON ARE BASED ON THE NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NGVD29) NGVD29 = NAVD88 + 1.43 FOR THIS LOCATION.

The consultant, contractor or other parties associated with this project shall comply with Florida Statutes Chapter 119. These plans are the property of the District and must be secured and maintained in a confidential manner. Review by any unauthorized individual or outside/third party not performing work necessary for this project is prohibited.

RV101279 - G370 and G372 Concrete Refurbishment and Coating Drawing Name Files\10 G-372 SITE WORK AND CONCRETE REFRUBISHMENT PLAN.dwg 1/23/2024 9:12:17 AM



G-372 CONCRETE SHEET PILE CAP REPAIR PLAN
SCALE: 1" = 20'



CRACKING AT G-372 CONCRETE PILE CAP

CONCRETE PILE CAP REPAIR PROCEDURE:

1. REMOVE GRATING SUPPORT AND HANDRAIL AS NECESSARY.
2. REMOVE 4' CONCRETE (2' ON EITHER SIDE OF EXISTING EXPANSION JOINT).
3. SAND BLAST STEEL CLEAN. CONTRACTOR SHALL USE TARPS OR CANVAS TO CONTAIN THE SANDBLAST RESIDUE TO THE IMMEDIATE AREA.
4. RE-FORM CONCRETE WITH NEW EXPANSION JOINT AT CRACK LOCATION.
5. BRUSH CEMENT SLURRY INTO EXISTING CONCRETE PRIOR TO NEW CONCRETE PLACEMENT. RE-POUR REMOVED SECTION WITH NEW CONCRETE.
6. REPLACE ANY DAMAGED ASPHALT PAVEMENT.

Always call 811 two full business days before you dig to have underground utilities located and marked.

DATUM REFERENCE:
THE ELEVATIONS SHOWN HEREON ARE BASED ON THE NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NGVD29) NGVD29 = NAVD88 + 1.43 FOR THIS LOCATION.

The consultant, contractor or other parties associated with this project shall comply with Florida Statutes Chapter 119. These plans are the property of the District and must be secured and maintained in a confidential manner. Review by any unauthorized individual or outside/third party not performing work necessary for this project is prohibited.

ENGINEER OF RECORD: DONALD J. NUELLE, P.E. FLORIDA P.E. LICENSE NO. 52046
PROJECT ID NO. 101279
DRAWING NUMBER C008
SHEET 11 OF 16

CORRECTED FINAL (CHECK SET)

**G-370 AND G-372
CONCRETE REFURBISHMENT AND COATING**

G-372 CONCRETE SHEET PILE CAP REPAIR DETAILS

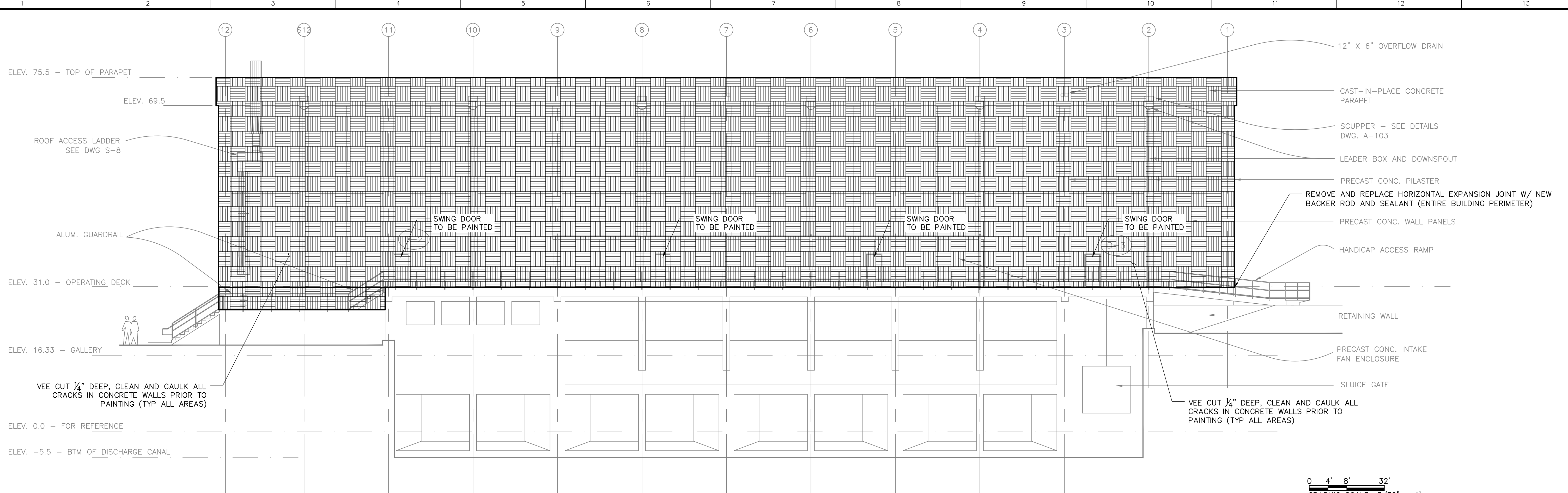
SOUTH FLORIDA WATER MANAGEMENT DISTRICT
ENGINEERING & CONSTRUCTION BUREAU

PHONE: 561-686-8800
3301 GUN CLUB ROAD
WEST PALM BEACH, FLORIDA 33406



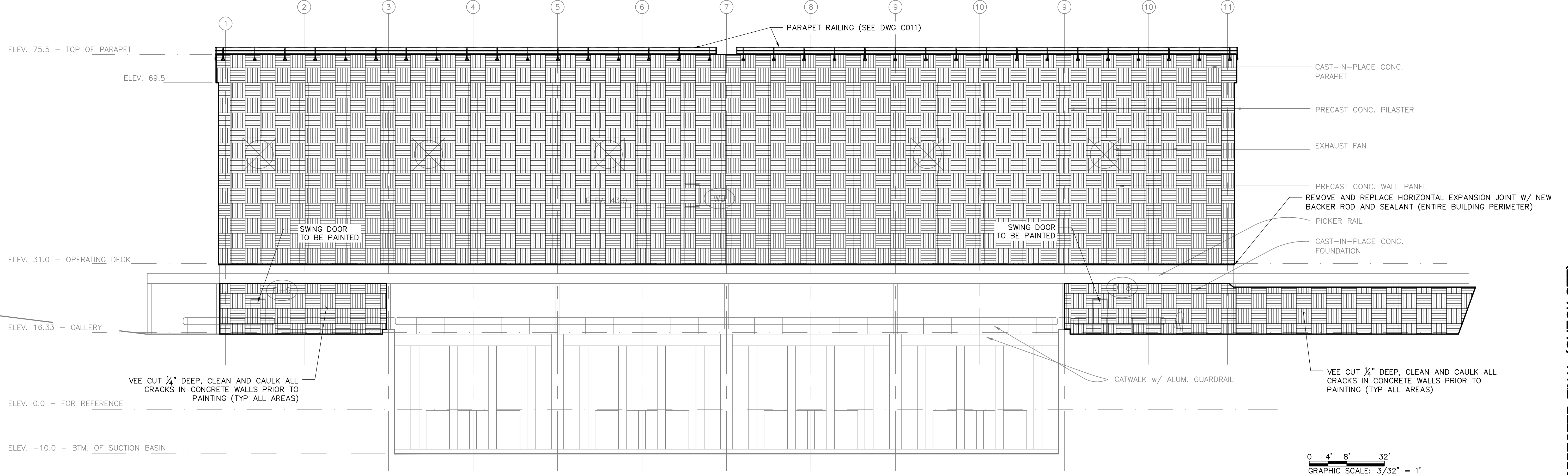
ENGINEER: D. NUELLE	DATE: JANUARY 2024
DRAWN: R. TODD	SCALE: AS SHOWN
CHECKED: N. PANDYA	REF #
REVISION DESCRIPTION	

R:\101279 - G370 and G372 Concrete Refurbishment and Coating\Drawing Name Files\11 G-372 CONCRETE SHEET PILE CAP REPAIR DETAILS.dwg 1/23/2024 9:12:21 AM



G-372 DISCHARGE SIDE CONCRETE REFURBISHMENT ELEVATION
SCALE: 3/32" = 1'-0"

0 4' 8' 32'
GRAPHIC SCALE: 3/32" = 1'
(24"x36")



G-372 INTAKE SIDE CONCRETE REFURBISHMENT ELEVATION
SCALE: 3/32" = 1'-0"

0 4' 8' 32'
GRAPHIC SCALE: 3/32" = 1'
(24"x36")

LEGEND:

AREA TO BE REPAIRED, CLEANED, AND COATING APPLIED

The consultant, contractor or other parties associated with this project shall comply with Florida Statutes Chapter 119. These plans are the property of the District and must be secured and maintained in a confidential manner. Review by any unauthorized individual or outside/third party not performing work necessary for this project is prohibited.



DATUM REFERENCE:
THE ELEVATIONS SHOWN HEREON ARE BASED ON THE NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NGVD29) NGVD29 = NAVD88 + 1.43 FOR THIS LOCATION.

ENGINEER OF RECORD:
DONALD J. NUELLE, P.E.
FLORIDA P.E. LICENSE NO. 52046

CORRECTED FINAL (CHECK SET)
G-370 AND G-372
CONCRETE REFURBISHMENT AND COATING
G-372 CONCRETE REFURBISHMENT DETAILS 1 OF 2

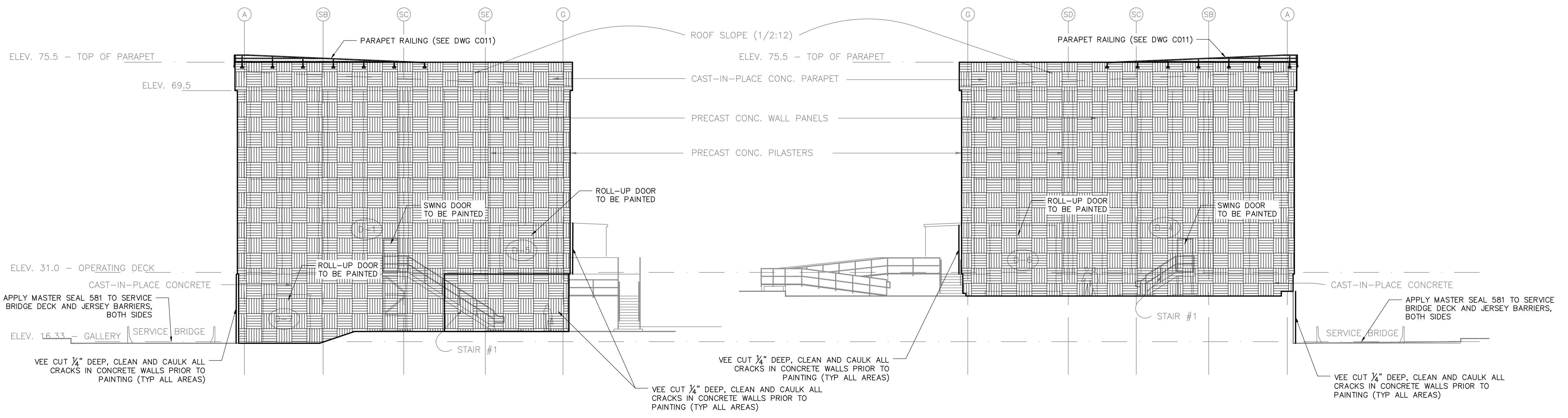
PROJECT ID NO. 101279
DRAWING NUMBER C009
SHEET 12 OF 16

SOUTH FLORIDA WATER MANAGEMENT DISTRICT
ENGINEERING & CONSTRUCTION BUREAU
PHONE: 561-686-8800
3301 GUN CLUB ROAD
WEST PALM BEACH, FLORIDA 33406

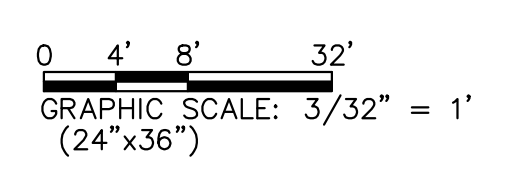


REVISION DESCRIPTION	DATE	DRAWN	REF#

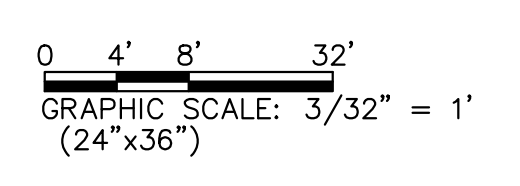
R:\101279 - G370 and G372 Concrete Refurbishment and Coating\Drawing Name Files\G-372 CONCRETE REFURBISHMENT DETAILS 1 OF 2.dwg, 1/23/2024 9:12:25 AM



G-372 SOUTH END CONCRETE REFURBISHMENT ELEVATION
SCALE: 3/32" = 1'-0"



G-372 NORTH END CONCRETE REFURBISHMENT ELEVATION
SCALE: 3/32" = 1'-0"



LEGEND:

AREA TO BE REPAIRED, CLEANED, AND COATING APPLIED

Always call 811 two full business days before you dig to have underground utilities located and marked.

DATUM REFERENCE:
THE ELEVATIONS SHOWN HEREON ARE BASED ON THE NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NGVD29) NGVD29 = NAVD88 + 1.43 FOR THIS LOCATION.

The consultant, contractor or other parties associated with this project shall comply with Florida Statutes Chapter 119. These plans are the property of the District and must be secured and maintained in a confidential manner. Review by any unauthorized individual or outside/third party not performing work necessary for this project is prohibited.

ENGINEER OF RECORD: DONALD J. NUELLE, P.E. FLORIDA P.E. LICENSE NO. 52046
PROJECT ID NO. 101279
DRAWING NUMBER C010
SHEET 13 OF 16
DATE:

CORRECTED FINAL (CHECK SET)

**G-370 AND G-372
CONCRETE REFURBISHMENT AND COATING
G-372 CONCRETE REFURBISHMENT DETAILS 2 OF 2**

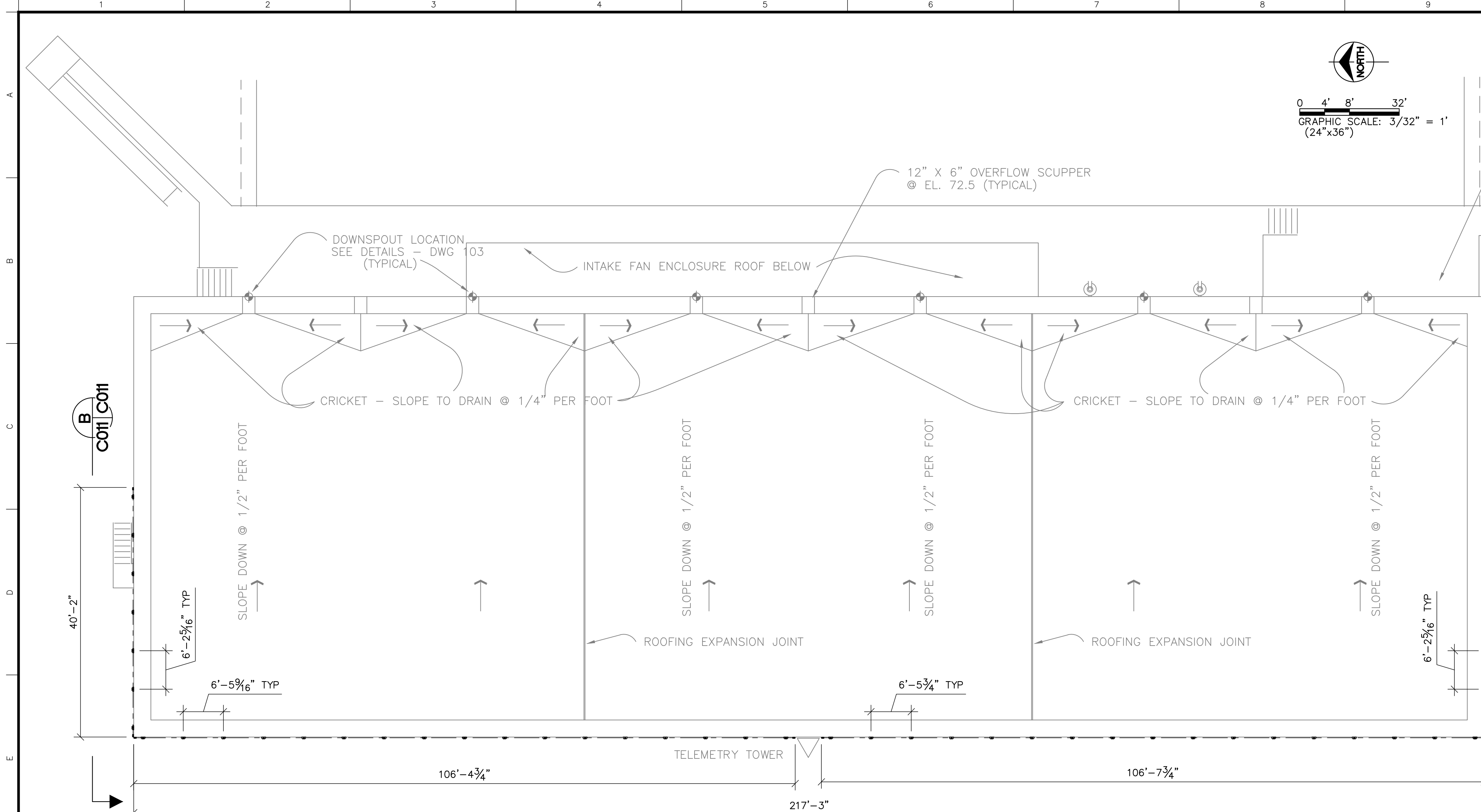
SOUTH FLORIDA WATER MANAGEMENT DISTRICT
ENGINEERING & CONSTRUCTION BUREAU

PHONE: 561-686-8800
3301 GUN CLUB ROAD
WEST PALM BEACH, FLORIDA 33406

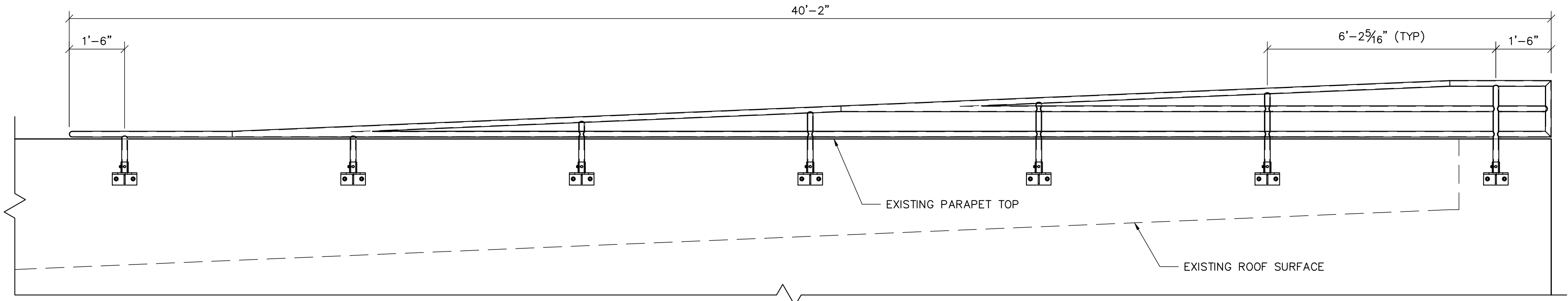


REVISION DESCRIPTION	DATE	DRAWN	REF #

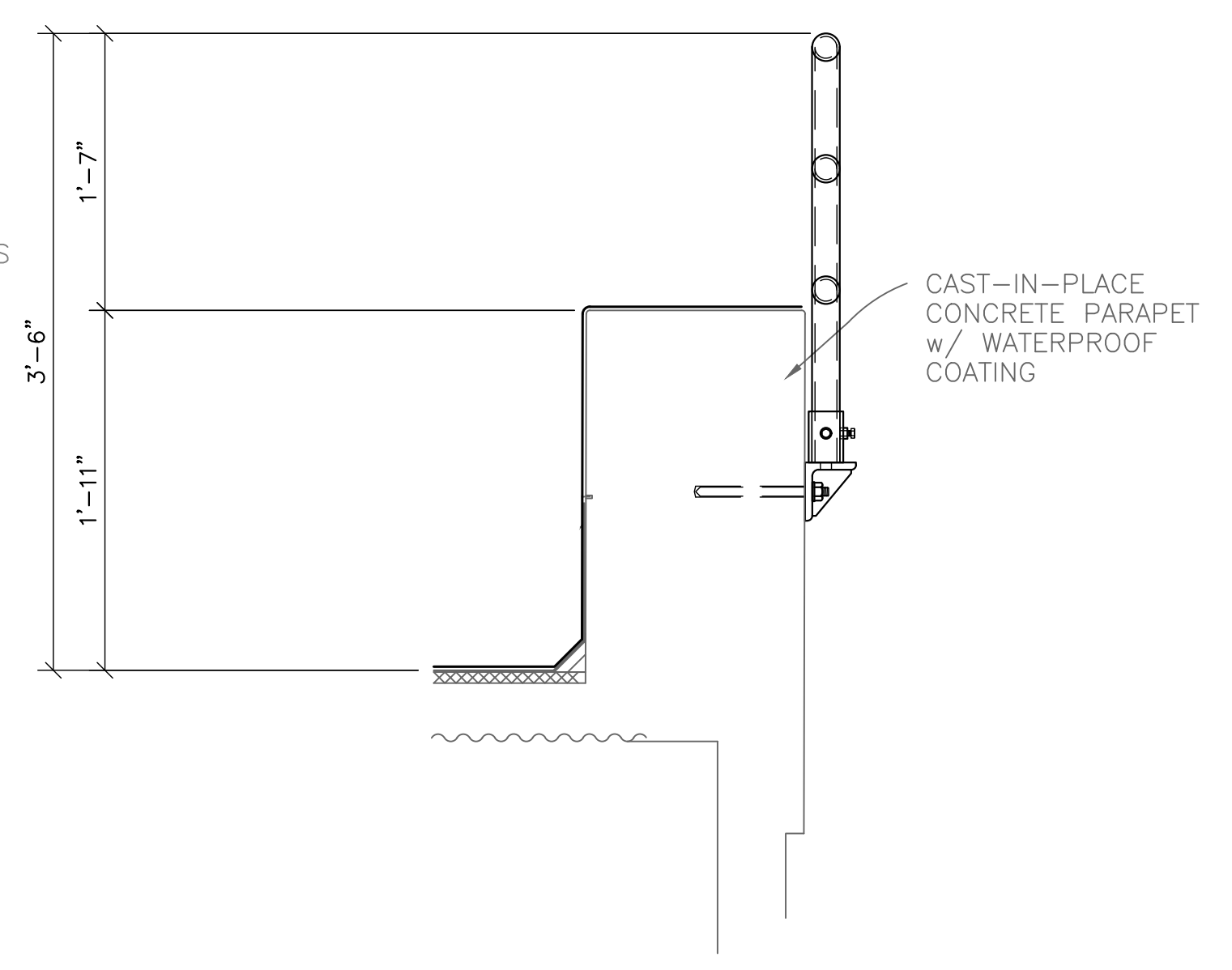
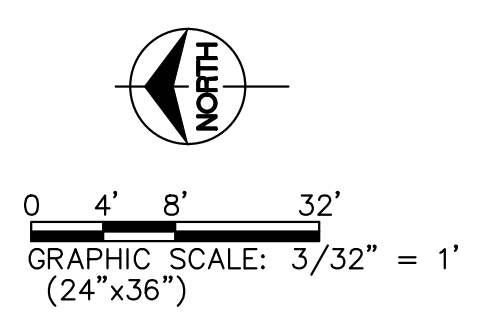
R:\101279 - G370 and G372 Concrete Refurbishment and Coating\Drawing Name Files\13 G-372 CONCRETE REFURBISHMENT DETAILS 2 OF 2.dwg, 1/23/2024 9:12:29 AM



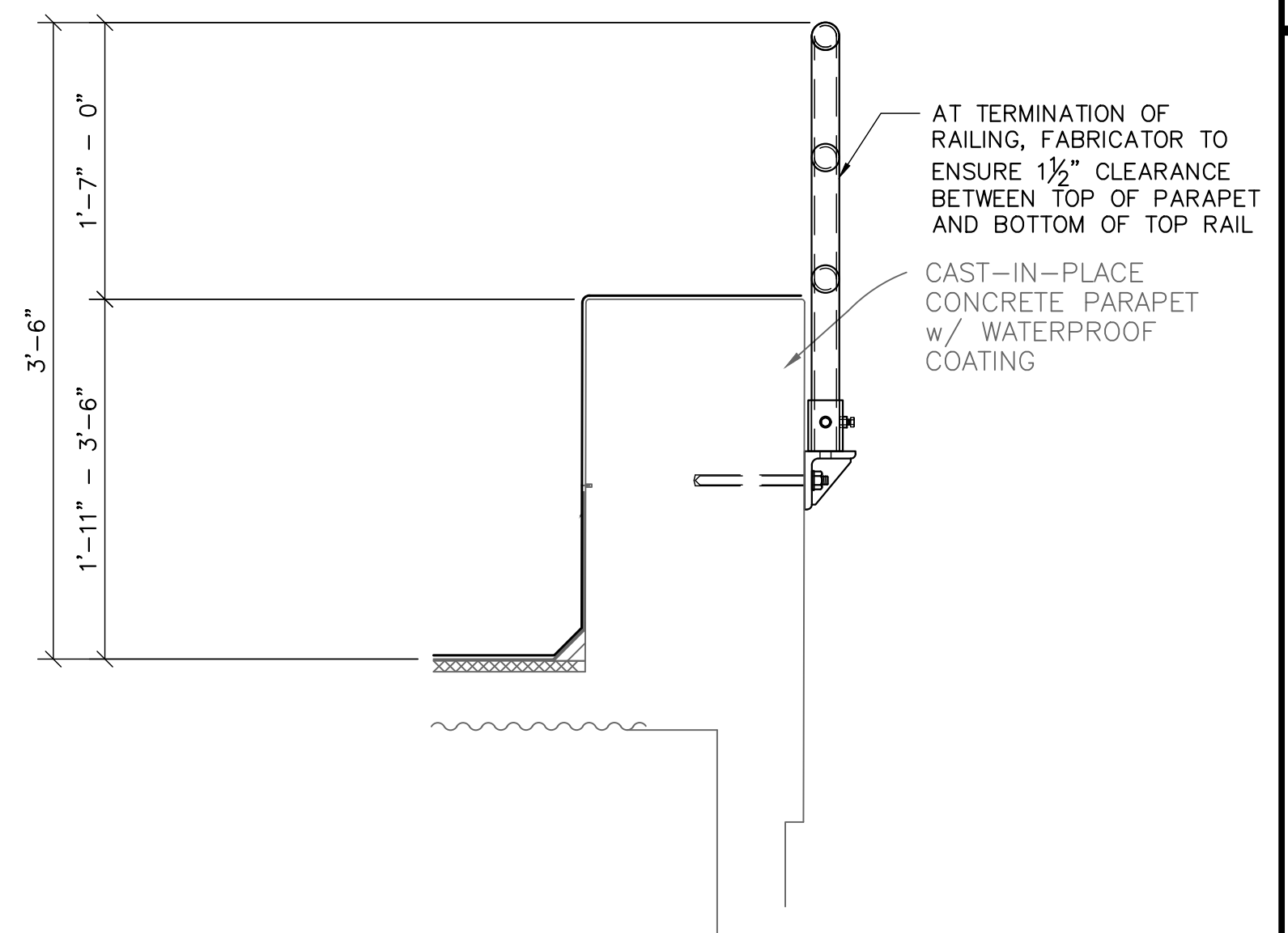
G-372 PARAPET RAILING PLAN
SCALE: 3/32" = 1'-0"



NORTH PARAPET RAILING PROFILE
SCALE: 1/2" = 1'-0"
(SOUTH PARAPET RAILING SIMILAR)



WEST PARAPET WALL DETAIL
NOT TO SCALE



NORTH AND SOUTH PARAPET WALLS DETAIL
NOT TO SCALE

GENERAL NOTES:

1. PROVIDE STANDARD RAILING AS INDICATED ON THE RAILING PLAN.
2. PROVIDE 1 1/2 NPS SCHEDULE 80 PIPE POSTS AND 1 1/2 NPS SCHEDULE 40 PIPE RAILS.
3. COPE ALL INTERSECTIONS OF RAILS AND POSTS, WELD JOINTS, AND GRIND SMOOTH TAKING CARE TO NOT REMOVE EXCESSIVE AMOUNTS OF WELDED MATERIALS.
4. GALVANIZING:
 - A. HOT-DIP GALVANIZE ALL ASSEMBLIES AFTER FABRICATION.
 - B. PROVIDE INTERNAL VENTING AND DRAIN HOLES IN ALL PIPE AND TUBE ASSEMBLIES IN ACCORDANCE WITH ASTM A385 PRIOR TO GALVANIZATION.
 - C. ALL DRAIN HOLES SHALL BE FILLED WITH ZINC PLUGS AFTER GALVANIZATION.
 - D. WEEP HOLES SHALL NOT BE FILLED.
5. THE CONTRACTOR SHALL HIRE ADVANCED ROOFING FOR ANY ROOF DAMAGE REPAIRS ON G-370 UPPER, LOWER, AND G-372 UPPER ROOFS. THE CONTRACTOR SHALL HIRE CJ CONTRACTING FOR ANY ROOF DAMAGE REPAIRS ON G-372 LOWER ROOF.
6. CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO FABRICATION.
7. SEE DWG C012 FOR PARAPET RAILING TYPICAL DETAILS.

CORRECTED FINAL (CHECK SET)

G-370 AND G-372 CONCRETE REFURBISHMENT AND COATING

G-372 PARAPET RAILING DETAILS

ENGINEER: D. NUELLE
DRAWN: R. TODD
CHECKED: N. PANDYA
DATE: JANUARY 2024
SCALE: AS SHOWN

PROJECT ID NO. 101279
DRAWING NUMBER **C011**
SHEET **14 OF 16**

SOUTH FLORIDA WATER MANAGEMENT DISTRICT
ENGINEERING & CONSTRUCTION BUREAU
PHONE: 561-686-8800
3301 GUN CLUB ROAD
WEST PALM BEACH, FLORIDA 33406

REVISION DESCRIPTION

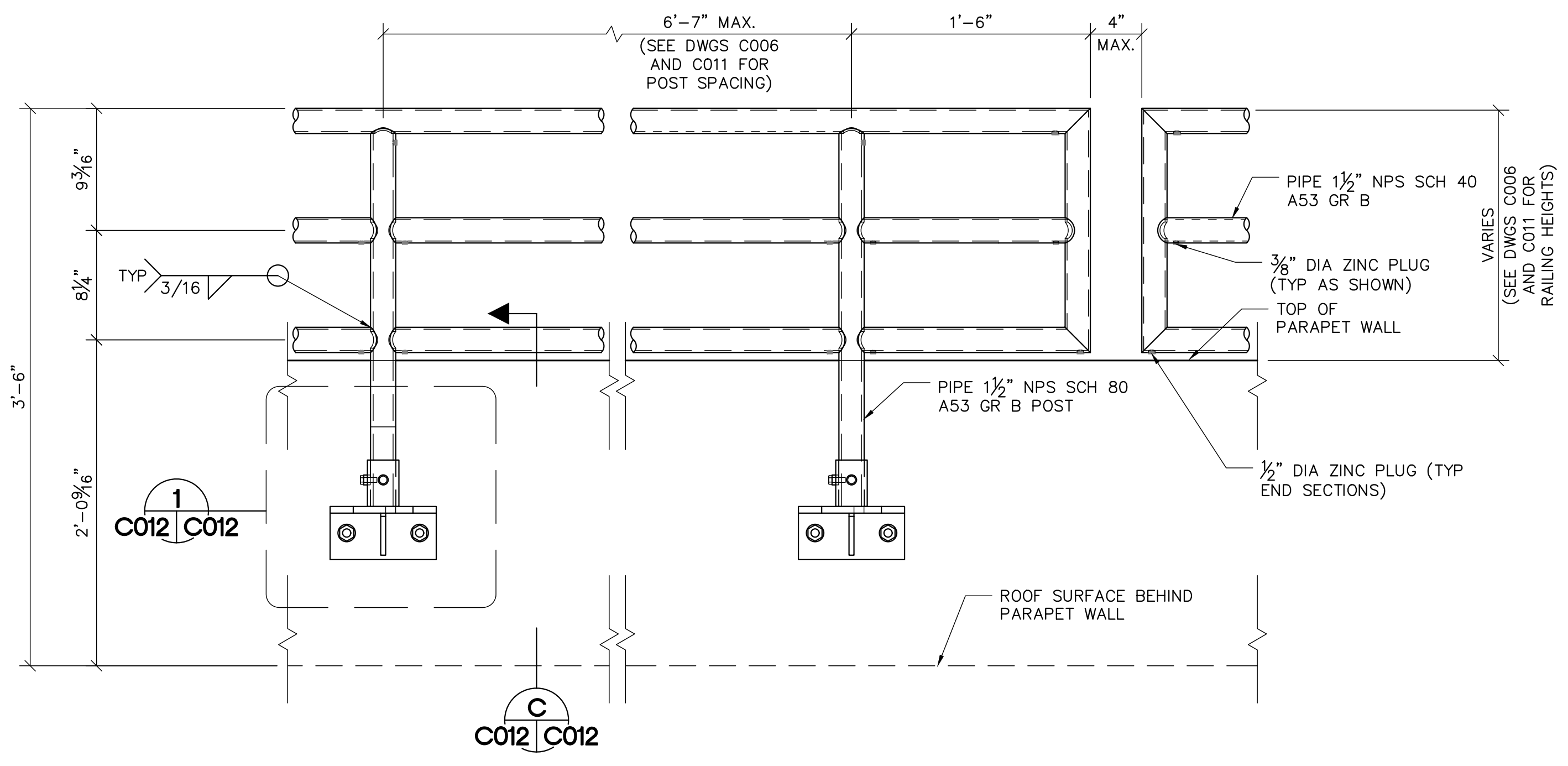
Always call 811 two full business days before you dig to have underground utilities located and marked.

Sunshine 811.com

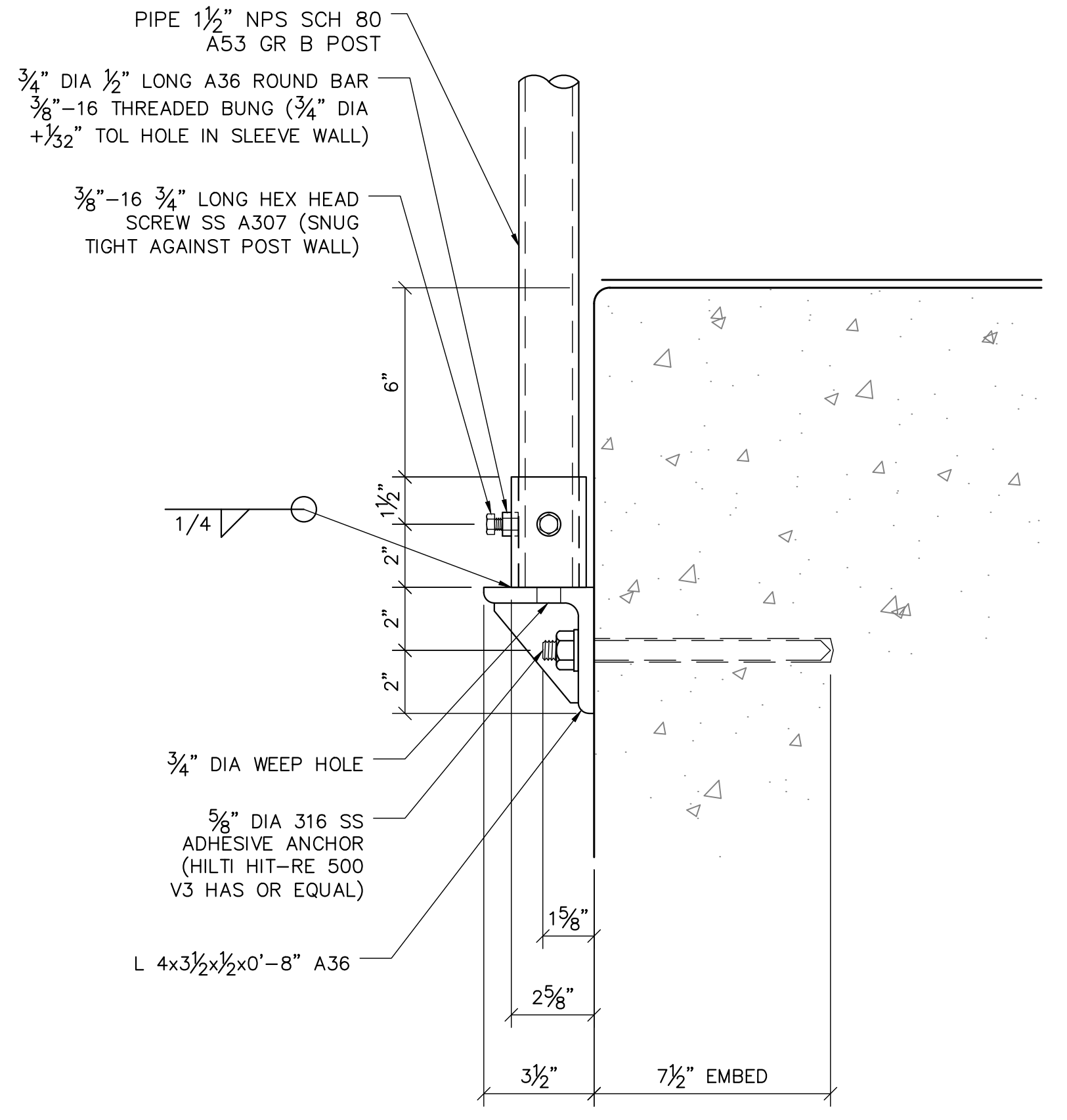
DATUM REFERENCE:
THE ELEVATIONS SHOWN HEREON ARE BASED ON THE NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NGVD29) NGVD29 = NAVD88 + 1.43 FOR THIS LOCATION.

The consultant, contractor or other parties associated with this project shall comply with Florida Statutes Chapter 119. These plans are the property of the District and must be secured and maintained in a confidential manner. Review by any unauthorized individual or outside/third party not performing work necessary for this project is prohibited.

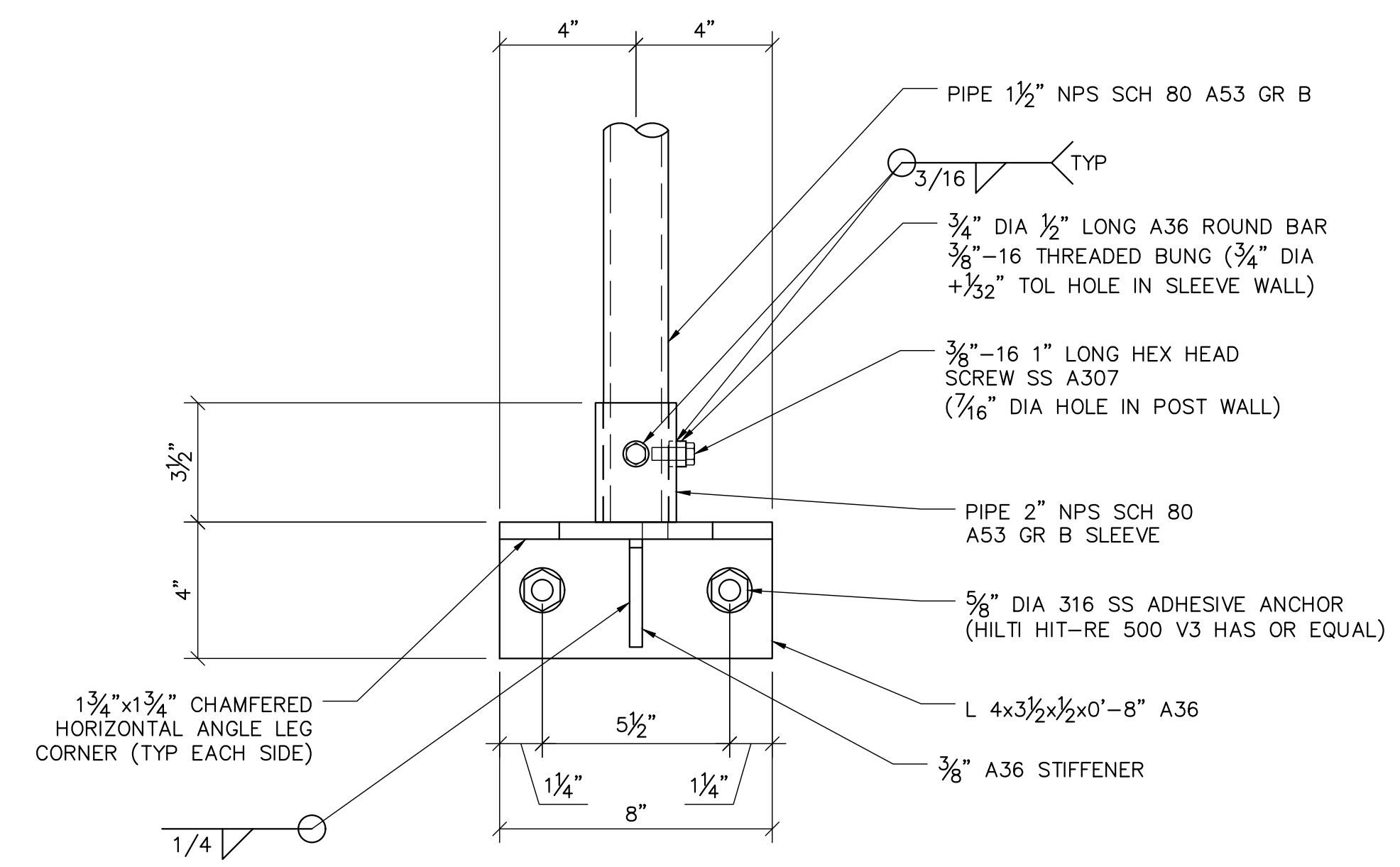
ENGINEER OF RECORD:
DONALD J. NUELLE, P.E.
FLORIDA P.E. LICENSE NO. 52046



STANDARD RAILING ELEVATION
SCALE: 1-1/2" = 1'-0"



SECTION
SCALE: 3" = 1'-0"
C
C012 C012



DETAIL
SCALE: 3" = 1'-0"
1
C012 C012

Always call 811 two full business days before you dig to have underground utilities located and marked.



DATUM REFERENCE:

THE ELEVATIONS SHOWN HEREON ARE BASED ON THE NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NGVD29) NGVD29 = NAVD88 + 1.43 FOR THIS LOCATION.

The consultant, contractor or other parties associated with this project shall comply with Florida Statutes Chapter 119. These plans are the property of the District and must be secured and maintained in a confidential manner. Review by any unauthorized individual or outside/third party not performing work necessary for this project is prohibited.

CORRECTED FINAL (CHECK SET)

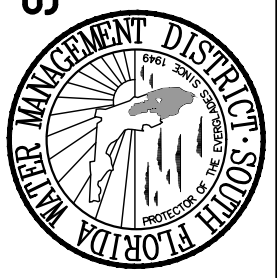
**G-370 AND G-372
CONCRETE REFURBISHMENT AND COATING**

PARAPET RAILING TYPICAL DETAILS

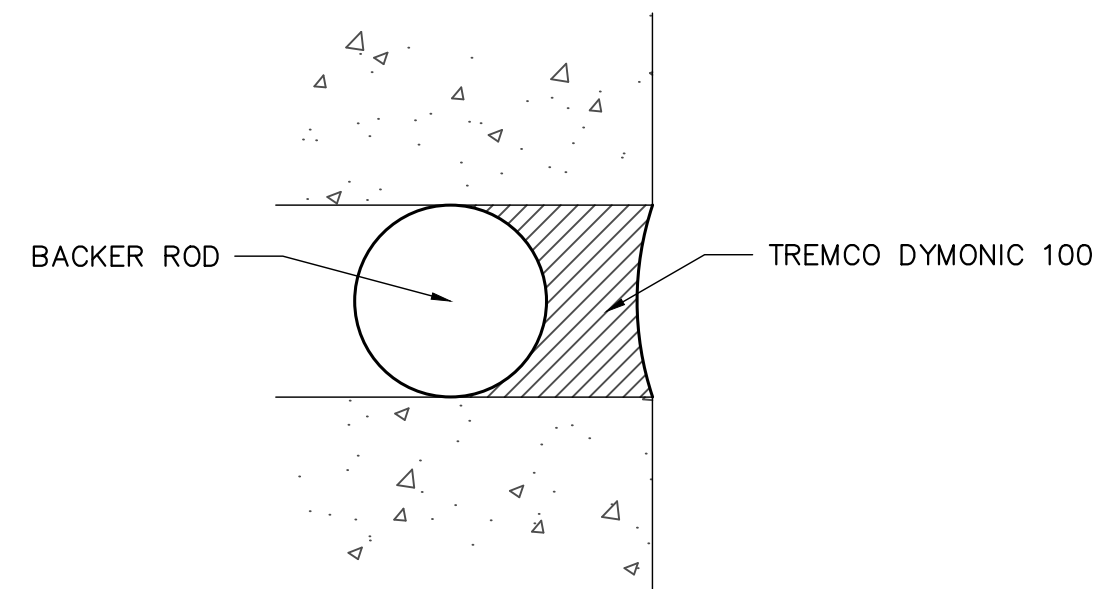
PROJECT ID NO.
101279
DRAWING NUMBER
C012
SHEET
15 OF 16

ENGINEER: D. NUELLE
DRAWN: R. TODD
CHECKED: N. PANDYA
DATE: JANUARY 2024
SCALE: AS SHOWN

SOUTH FLORIDA WATER MANAGEMENT DISTRICT
ENGINEERING & CONSTRUCTION BUREAU
PHONE: 561-686-8800
3301 GUN CLUB ROAD
WEST PALM BEACH, FLORIDA 33406

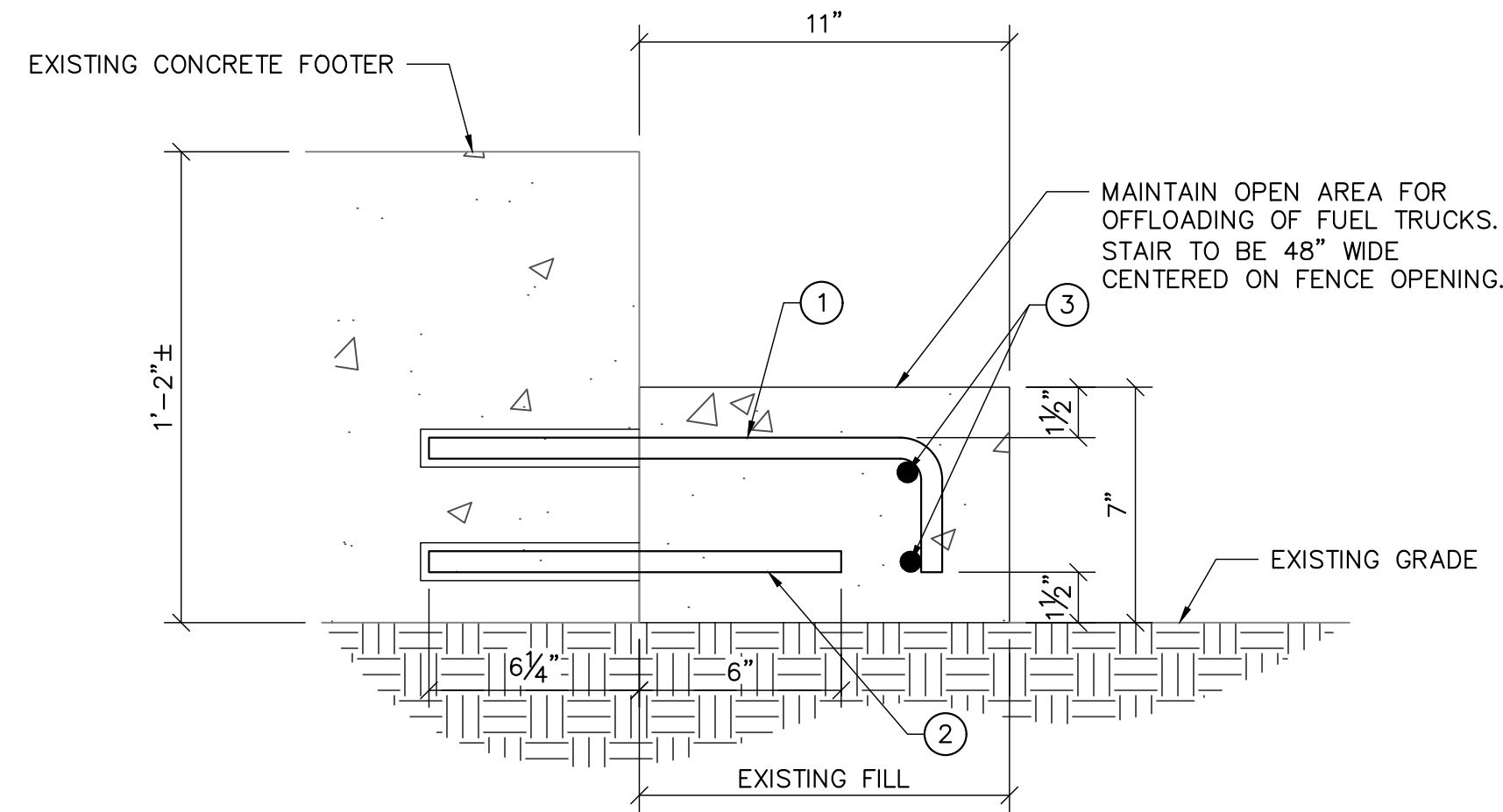


RV101279 - G370 and G372 Concrete Refurbishment and Coating Drawing Name Files\15 PARAPET RAILING TYPICAL DETAILS.dwg, 1/23/2024 9:12:37 AM



TYPICAL EXPANSION JOINT REPLACEMENT DETAIL
NOT TO SCALE

NOTE:
EXPANSION JOINT REPLACEMENT INCLUDES BOTH VERTICAL AND HORIZONTAL EXPANSION JOINTS.



TYPICAL ADDITIONAL CONCRETE STEP DETAIL
SCALE: 1" = 5'

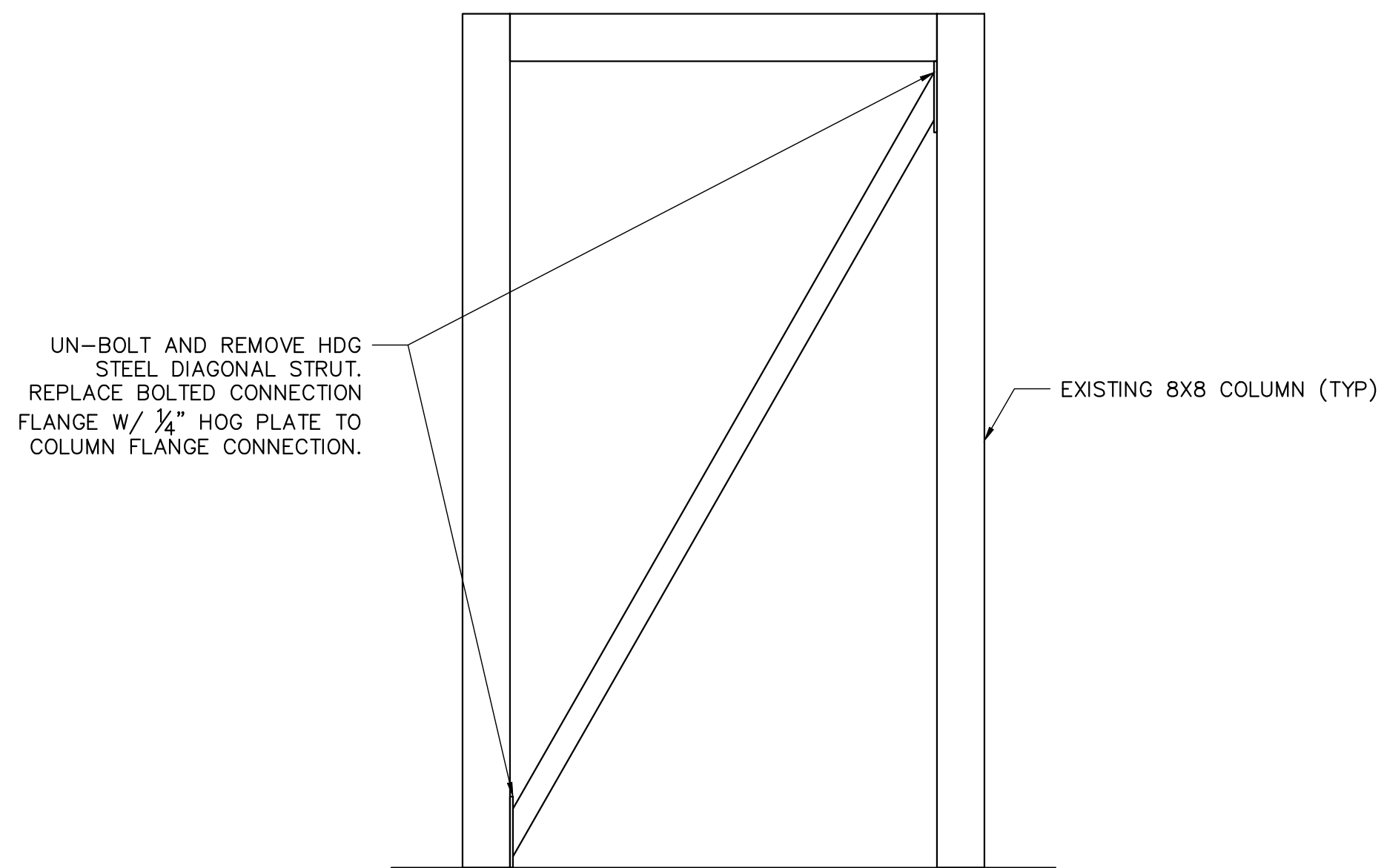
REINFORCEMENT KEY NOTES:

- ① #5 DOWELED 6 1/4" INTO EXISTING CONCRETE W/ 2-PART EPOXY W/ 3/4" DRILL HOLE @ 12" OC W/ 4" HOOK.
- ② #5 DOWELED 6 1/4" INTO EXISTING CONCRETE W/ 2-PART EPOXY W/ 3/4" DRILL HOLE @ 12" OC. EXTEND REBAR 6" INTO NEW CONCRETE POUR.
- ③ (2) #5 LONGITUDINAL BARS.

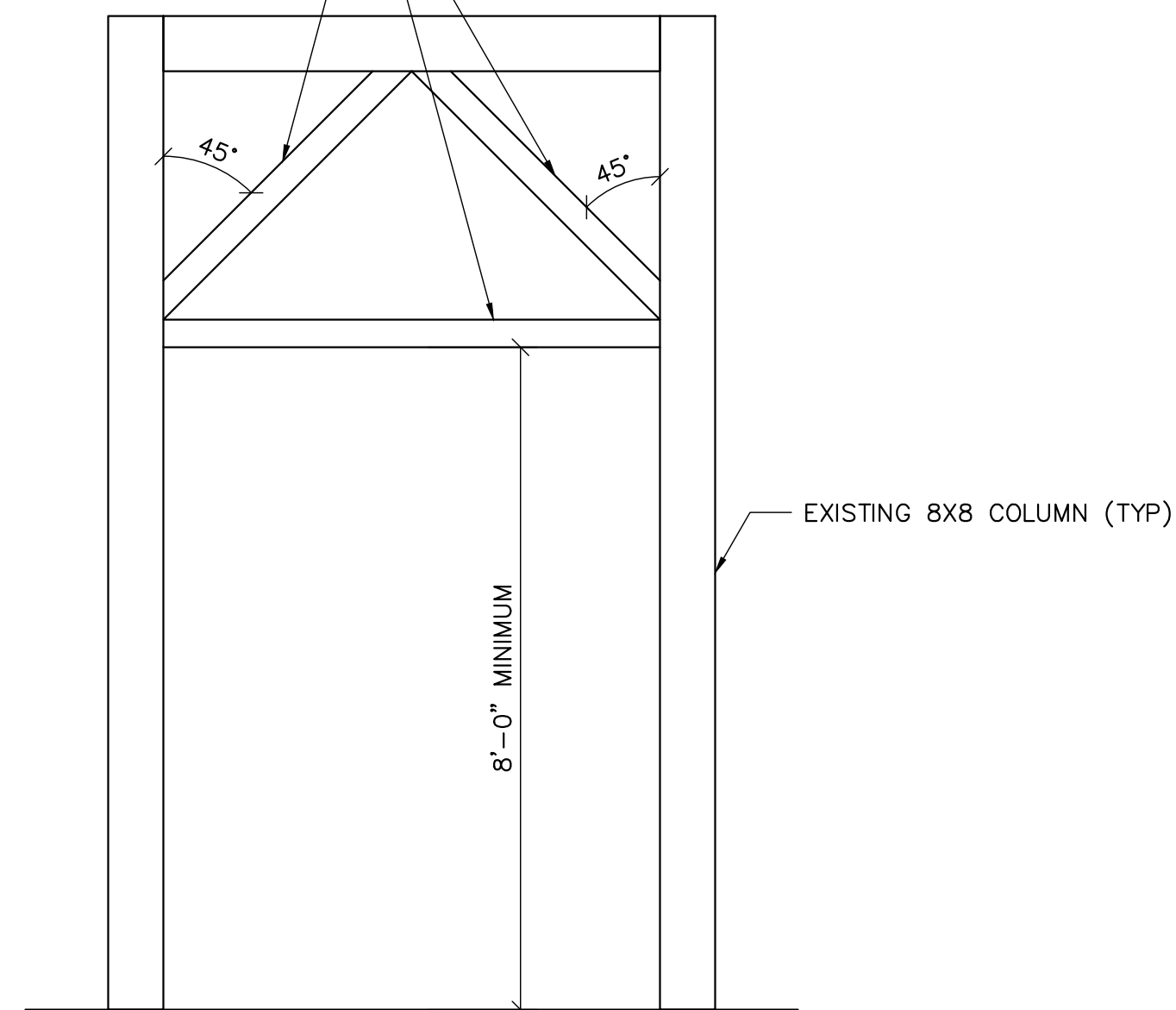
RE-USE AND WELD EXISTING STRUT AS A 45° BRACE AND HEADER (ADDITIONAL MATERIAL MAY BE NEEDED). RE-COAT WELD AFFECTED AREA W/ HOT APPLIED GALVANIZING COATING.



EXISTING BRACING STRUT BOLTED CONNECTION
NOT TO SCALE



EXISTING BRACING STRUT DETAIL
NOT TO SCALE



NEW BRACING STRUT CONFIGURATION DETAIL
NOT TO SCALE

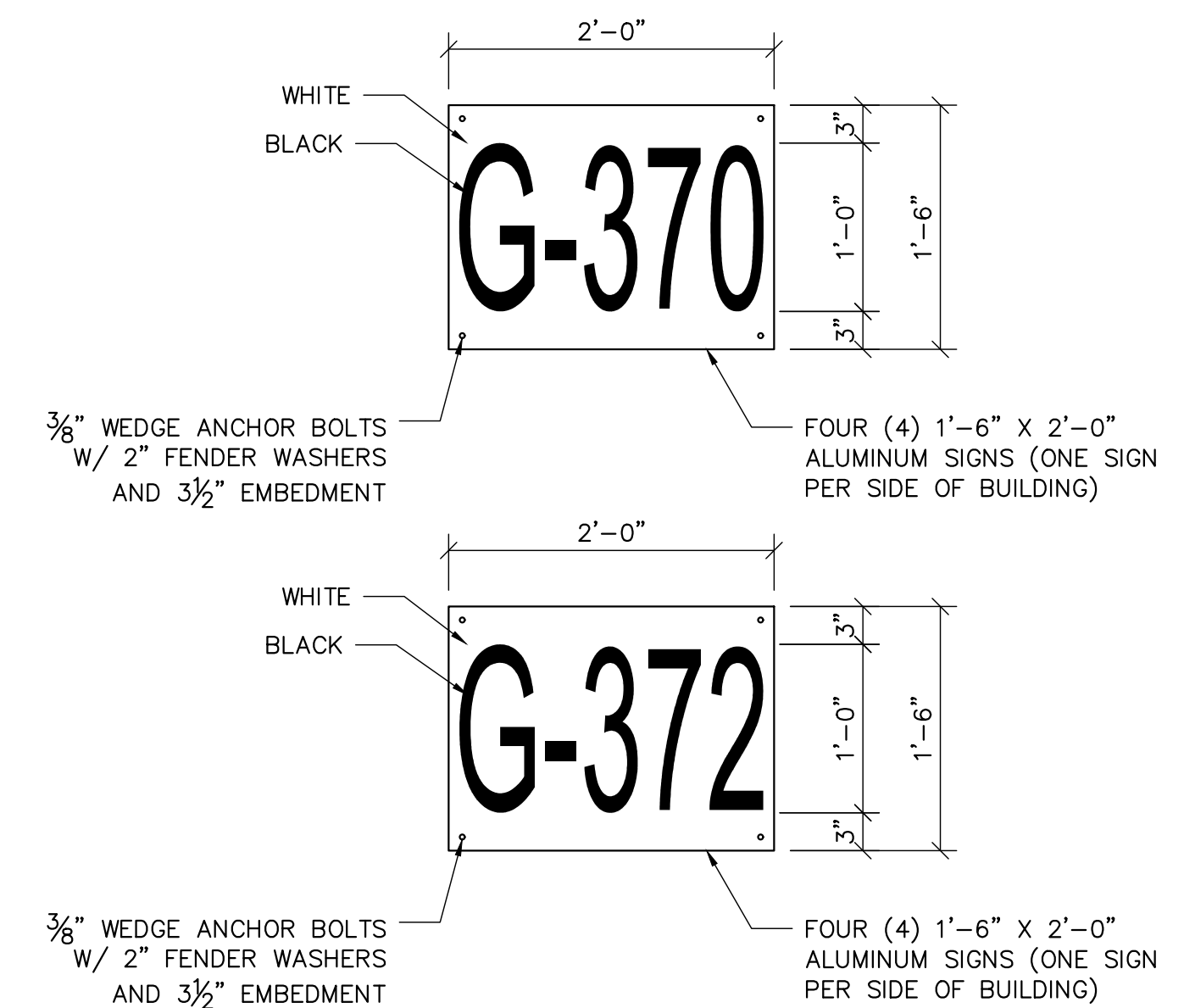


PAINTING DETAILS
G-372 SHOWN. G-370 SIMILAR.

SHERWIN-WILLIAMS 702738 561-992-2479	12/30/20 Order# 0038913
EXTERIOR A-100 GLOSS	ARCHITECTURAL LATEX IFC 7012NP
MANUAL BLUE CUSTOM MANUAL MATCH	
CCE#COLORANT M1-White G2-New Green L1-Blue R3-Magenta	02 32 64 128 - 17 - - - 32 1 - 8 44 1 1 2 61 - 1
ONE GALLON AB0700154	ULTRADEEP 650047301
NOT RECOMMENDED FOR USE ON VINYL	
Non Returnable Tinted Color CAUTION: To assure consistent color, always order enough paint to complete the job and intermix all containers of the same color before application. Mixed colors may vary slightly from color strip or color chip.	
0038913-001	

SHERWIN-WILLIAMS 702738 561-992-2479	07/10/19 Order# 0033980
EXTERIOR FLAT	ARCHITECTURAL LATEX IFC 7012NP
PUMP STATION TAN CUSTOM MANUAL MATCH	
CCE#COLORANT B1-Black R2-Horizon Y3-Deep Gold	02 32 64 128 - 17 1 - - 3 1 1 - 53 1 1
FIVE GALLON K3200251	EXTRA WHITE 650405699
Non Returnable Tinted Color CAUTION: To assure consistent color, always order enough paint to complete the job and intermix all containers of the same color before application. Mixed colors may vary slightly from color strip or color chip.	
0033980-001	

PAINT COLOR DETAILS



STRUCTURE DESIGNATION SIGN DETAILS
SCALE: 1" = 1'-0"

Always call 811 two full business days before you dig to have underground utilities located and marked.



DATUM REFERENCE:

THE ELEVATIONS SHOWN HEREON ARE BASED ON THE NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NGVD29) NGVD29 = NAVD88 + 1.43 FOR THIS LOCATION.

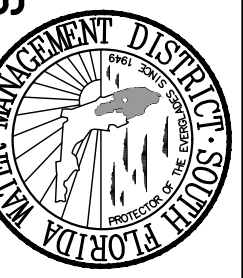
The consultant, contractor or other parties associated with this project shall comply with Florida Statutes Chapter 119. These plans are the property of the District and must be secured and maintained in a confidential manner. Review by any unauthorized individual or outside/third party not performing work necessary for this project is prohibited.

ENGINEER OF RECORD: DONALD J. NUELLE, P.E. FLORIDA P.E. LICENSE NO: 52046
PROJECT ID NO. 101279
DRAWING NUMBER SO01
SHEET 16 OF 16

CORRECTED FINAL (CHECK SET)

G-370 AND G-372
CONCRETE REFURBISHMENT AND COATING

STRUCTURE REFURBISHMENT DETAILS



SOUTH FLORIDA WATER MANAGEMENT DISTRICT
ENGINEERING & CONSTRUCTION BUREAU

PHONE: 561-686-8800
3301 GUN CLUB ROAD
WEST PALM BEACH, FLORIDA 33406

ENGINEER: D. NUELLE	DATE: JANUARY 2024
DRAWN: R. TODD	SCALE: AS SHOWN
CHECKED: N. PANDYA	REF#
REVISION DESCRIPTION	