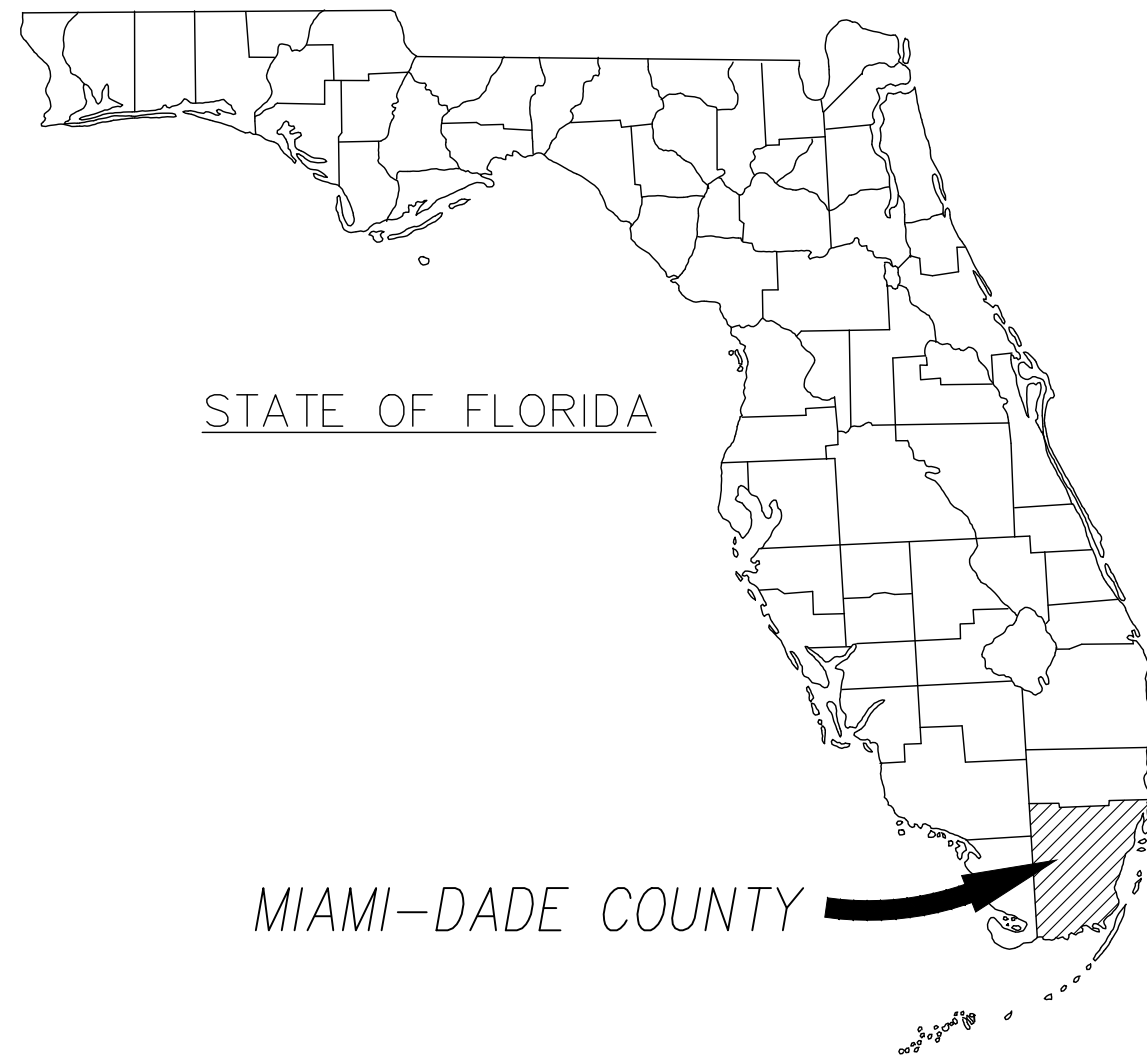


# WELL SUBMITTAL FOR BAYWALK PLAZA

79TH STREET CAUSEWAY & EAST TREASURE DR  
NORTH BAY VILLAGE, FLORIDA  
JANUARY 2022

SECTION 09, TOWNSHIP 53, RANGE 42

DERM - Water Control Section			
Item	Dates:	Approv.	CK'd
Provisions for Water Control:	04/08/2022	as noted	
Notes: DW-20220017-FDEP Class V Drainage Well permit is required for one (1) Stormwater Well.			
Signed: <i>Marie Hall-Obas</i> Engineer			



## PROJECT TEAM:

### OWNER/DEVELOPER

NORTH BAY VILLAGE  
1666 KENNEDY CAUSEWAY, 3RD FLOOR  
NORTH BAY VILLAGE, FLORIDA 33141  
CONTACT: RODNEY-CARRERO-SANTANA

### CIVIL ENGINEER

KIMLEY-HORN AND ASSOCIATES, INC.  
355 ALHAMBRA CIRCLE, SUITE 1400  
CORAL GABLES, FL 33134  
CONTACT: ALBERTO HERRERA, P.E.  
(305) 673-2025

### GEOTECHNICAL ENGINEER

NELCO  
13370 SW 131 STREET, SUITE 105  
MIAMI, FLORIDA 33186  
(305) 259-9779

### SURVEYOR

HADONNE  
1985 NW 88TH COURT, SUITE 202  
DORAL, FL 33172  
CONTACT: PAUL IZQUIERDO, PSM  
(305) 266-1188

### LANDSCAPE ARCHITECT

KIMLEY-HORN AND ASSOCIATES, INC.  
355 ALHAMBRA CIRCLE, SUITE 1400  
CORAL GABLES, FL 33134  
CONTACT: GEORGE PUIG, PLA  
(305) 673-2025

## LIST OF CONTACTS:

### CABLE PROVIDER

COMCAST CABLE  
2501 SW 145TH AVENUE  
MIRAMAR, FLORIDA 33322  
CONTACT: RICHARD THOMAS

### TELEPHONE PROVIDER

AT&T DISTRIBUTION  
600 NW 79th AVE  
ROOM 336  
MIAMI, FLORIDA 33126  
305-260-8243  
CONTACT: RICHARD RENFROW

### STORMWATER

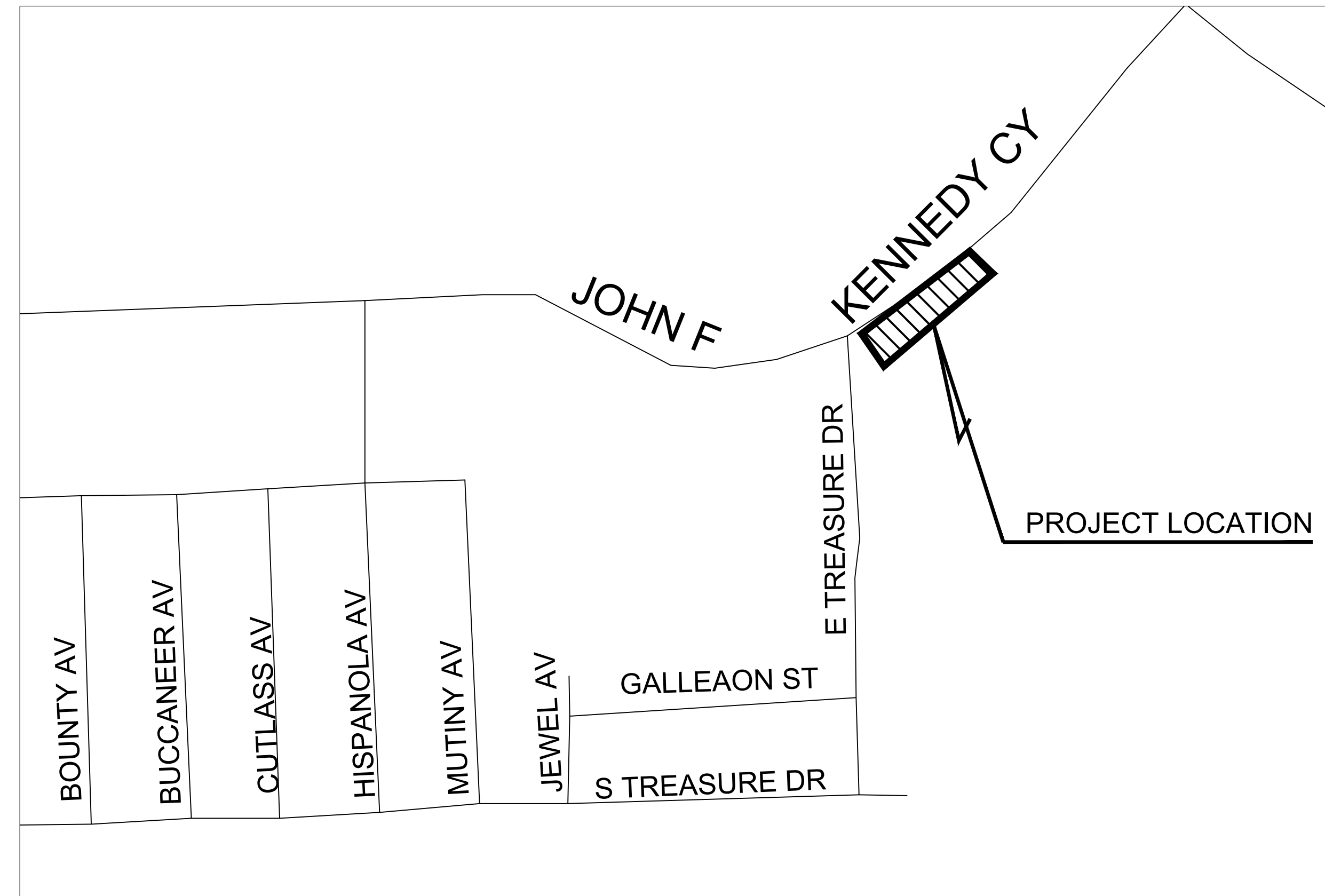
DEPT. OF PERMITTING, ENVIRONMENT AND REGULATORY AFFAIRS  
701 NW 1ST COURT  
MIAMI, FLORIDA 33136  
305-372-6681  
CONTACT: CAMILO IGNACIO

### ELECTRIC PROVIDER

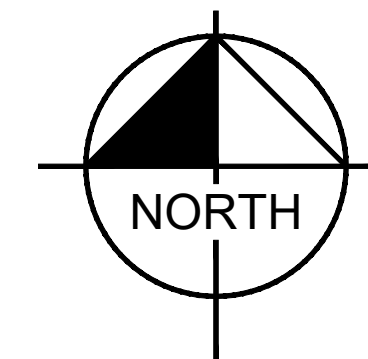
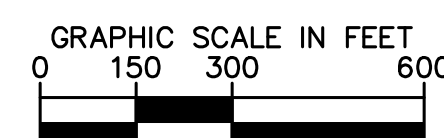
FLORIDA POWER AND LIGHT  
425 N WILLIAMSON BLVD.  
DAYTONA BEACH, FLORIDA 32114  
305-442-5966  
CONTACT: TRACY STERN

### WATER AND SEWER

NORTH BAY VILLAGE  
1666 KENNEDY CAUSEWAY  
NORTH BAY VILLAGE, FL 33141

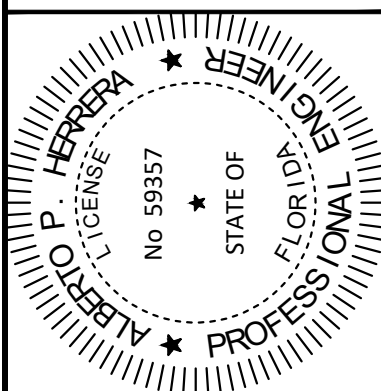


## LOCATION MAP



Sheet Number	Sheet Title
C-100	COVER SHEET
C-101	GENERAL NOTES
C-300	EROSION CONTROL NOTES
C-301	EROSION CONTROL PLAN AND DETAILS
C-400	PAVING & GRADING PLAN
C-401	DRAINAGE PLAN
C-402	PAVING, GRADING, AND DRAINAGE DETAILS

THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY ALBERTO HERRERA, P.E., ON THE DATE 01/20/2022. PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.



**Kimley-Horn**  
© 2017 KIMLEY-HORN AND ASSOCIATES, INC.  
355 ALHAMBRA CIRCLE, SUITE 1400, CORAL GABLES, FL 33134  
PHONE: 305-673-2025  
WWW.KIMLEY-HORN.COM CA 00000696

KHA PROJECT	043138022
DATE	06/20/2018
SCALE AS SHOWN	AS SHOWN
DESIGNED BY	APH
DRAWN BY	JR
CHECKED BY	APH

**COVER SHEET**

**BAYWALK PLAZA**  
PREPARED FOR  
**NORTH BAY VILLAGE**

SHEET NUMBER  
**Q-100**

NORTH BAY VILLAGE ITB 2022-001  
DERM Approved Drainage Well Plans  
To Used by Contractor to Apply for  
FDEP Well Construction Permit.



Plotted By: Perasso, Beatriz - Sheet: Sct: BAYWALK\_PLAZA - Layout: DERM\_WELL REVIEW - January 20, 2022 - 03:48:43pm - K:\MIB\_LIRO\043138022\_baywalk\_plaza area design\CAD\Drawings\CS COVER PAGE.dwg - This document, together with the concepts and designs presented herein, is an instrument of service. It is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

DATE: 1/20/2022

Plotted By: Perasso, Bradiz - Sheet: Sst: BAYWALK PLAZA - Layout: C-100 GENERAL NOTES - January 20, 2022 - 03:48:53pm - K:\MIB-URG\043138022\_baywalk\_plaza\_area\_design\CADD\plan sheets\C-100\_GENERAL NOTES.dwg  
This document, together with the concepts and designs presented herein, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

## GENERAL NOTES AND SPECIFICATIONS

### I. APPLICABLE CODES

- ALL WORK AND MATERIALS SHALL CONFORM TO ALL REQUIREMENTS OF THE FLORIDA BUILDING CODE, CITY OF NORTH BAY VILLAGE PUBLIC WORKS, MIAMI-DADE COUNTY RER, MIAMI-DADE WATER AND SEWER DEPARTMENT (MDWASD), FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) DESIGN STANDARDS AND SPECIFICATIONS, AS WELL AS ALL OTHER LOCAL, STATE, AND NATIONAL CODES AND REGULATORY REQUIREMENTS, AS APPLICABLE.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING THAT ALL CONSTRUCTION BE DONE IN A SAFE MANNER AND IN STRICT COMPLIANCE WITH ALL THE REQUIREMENTS OF THE FEDERAL OCCUPATIONAL SAFETY AND HEALTH ACT OF 1970, AND ALL STATE AND LOCAL SAFETY AND HEALTH REGULATIONS.
- LOCATIONS, ELEVATIONS AND DIMENSIONS OF EXISTING UTILITIES, STRUCTURES AND OTHER EXISTING SITE IMPROVEMENTS, FEATURES AND CONDITIONS SHOWN ON THE DRAWINGS WERE OBTAINED FROM THE FOLLOWING TOPOGRAPHIC BOUNDARY SURVEY SPECIFICALLY PREPARED FOR THIS PROJECT:

TITLE: "MAP OF BOUNDARY AND TOPOGRAPHIC SURVEY - ALTA/ACSM LAND TITLE SURVEY"  
DATE: 07/16/2014  
HADONNE PROFESSIONAL LAND SURVEYORS AND MAPPERS  
1985 NW 88TH COURT, SUITE 100  
DORAL, FLORIDA 33172  
PHONE: 305.266.1188  
FAX: 305.207.6845

TITLE: "SUBSURFACE UTILITY ENGINEERING"  
DATE: 8/24/2020  
POMPANO BEACH, FL 33061  
PHONE: 954.993.5552

- EXISTING AND PROPOSED GRADE ELEVATIONS ARE BASED ON NATIONAL GEODETIC VERTICAL DATUM, 1929 (NGVD 29). BENCHMARKS USED ARE THOSE IDENTIFIED ON THE TOPOGRAPHIC BOUNDARY SURVEY.
- THE HORIZONTAL LOCATIONS OF EXISTING UNDERGROUND UTILITIES SHOWN ON THE PLANS REFLECT UTILITY INFORMATION PROVIDED BY:
  - MIAMI-DADE COUNTY WATER AND SEWER DEPARTMENT
  - MIAMI-DADE COUNTY PUBLIC WORKS DEPARTMENT (TRANSPORTATION DIVISION)
  - CITY OF NORTH BAY VILLAGE PUBLIC WORKS DEPARTMENT
- PROPOSED ELEVATIONS SHOWN ON THE PLANS ARE FINISHED GRADES.
- EXISTING UTILITIES TO BE ADJUSTED IN ACCORDANCE WITH PROPOSED GRADES AND REQUIREMENTS OF UTILITY OWNERS, AS REQUIRED.
- EXISTING STRUCTURES, TREES, UTILITIES AND OTHER IMPROVEMENTS WHICH ARE TO REMAIN IN PLACE SUCH AS BUILDING SEWERS, DRAINS, WATER OR GAS PIPES, CONDUITS, POLES, WALLS, COLUMNS, ETC., WHETHER OR NOT SHOWN ON THE PLANS, ARE TO BE CAREFULLY PROTECTED FROM DAMAGE. IF DAMAGE OCCURS FROM WORK PERFORMED UNDER THIS CONTRACT, THE CONTRACTOR SHALL PROMPTLY REPAIR THE DAMAGED ITEM(S) TO THE CONDITION OF THE ITEM(S) PRIOR TO THE DAMAGE. THIS WORK SHALL BE AT NO ADDITIONAL COST TO THE OWNER.
- THE CONTRACTOR IS TO USE CAUTION WHEN WORKING IN OR AROUND AREAS OF OVERHEAD TRANSMISSION LINES AND UNDERGROUND UTILITIES.
- CONTRACTOR SHALL PRESERVE ALL STREET SIGNS, PARKING METERS, BENCHES, TRAFFIC CONTROL SIGNS, ETC. WHEN DIRECTED BY THE ENGINEER, THE CONTRACTOR SHALL REINSTALL THESE OR DELIVER SAID PUBLIC PROPERTY TO THE RESPECTIVE OWNER.
- THE CONTRACTOR SHALL COORDINATE HIS/HER WORK WITH ANY OTHER UTILITY AND BUILDING TRADES WORKING ON THIS OR ADJACENT PROJECT.
- ALL DITCH EXCAVATION SHALL BE PERFORMED IN FULL COMPLIANCE WITH THE PROVISIONS OF THE FLORIDA TRENCH SAFETY ACT.
- THE CONTRACTOR SHALL TAKE SPECIAL NOTE OF SOIL CONDITIONS THROUGHOUT THIS PROJECT. ANY SPECIAL SHORING, SHEETING OR OTHER PROCEDURES NECESSARY TO PROTECT ADJACENT PROPERTY, EITHER PUBLIC OR PRIVATE, DURING EXCAVATION OF SUBSOIL MATERIAL OR DURING THE FILLING OF ANY AREA, OR FOR ANY OPERATION DURING CONSTRUCTION SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.

### II. SHOP DRAWINGS

PRIOR TO FABRICATION OR CONSTRUCTION, SHOP DRAWINGS SHALL BE SUBMITTED BY THE CONTRACTOR TO THE ENGINEER OF RECORD FOR APPROVAL OF THE FOLLOWING ITEMS:

- DRAINAGE:
  - TRENCH OR SLOT DRAINS INCLUDING CHANNELS, ANCHORS, GRATES, OUTLETS, ETC.
  - DRAINAGE PIPE AND FITTINGS
  - CLEANOUTS
- WATER DISTRIBUTION
  - PIPE AND FITTINGS
  - BACKFLOW PREVENTION DEVICES

### III. PRECONSTRUCTION RESPONSIBILITIES

- THE INFORMATION PROVIDED IN THESE PLANS IS TO ASSIST THE CONTRACTOR IN ASSESSING THE NATURE AND EXTENT OF THE CONDITIONS WHICH MAY BE ENCOUNTERED DURING THE COURSE OF THE WORK. ALL CONTRACTORS ARE DIRECTED, PRIOR TO BIDDING, TO CONDUCT ANY AND ALL INVESTIGATIONS THEY DEEM NECESSARY TO ARRIVE AT THEIR OWN CONCLUSIONS REGARDING THE ACTUAL CONDITIONS THAT WILL BE ENCOUNTERED, AND UPON WHICH THEIR BIDS WILL BE BASED.
- TWO (2) BUSINESS DAYS BEFORE BEGINNING CONSTRUCTION IN THE AREA, THE CONTRACTOR SHALL NOTIFY SUNSHINE STATE CALL ONE OF FLORIDA, INC. AT 1-800-432-4770 AND ANY OTHER UTILITY COMPANIES WHICH MIGHT BE AFFECTED.
- UPON THE RECEIPT OF THE "NOTICE TO PROCEED", THE CONTRACTOR SHALL CONTACT THE ENGINEER OF RECORD AND ARRANGE A PRECONSTRUCTION CONFERENCE TO INCLUDE ALL INVOLVED GOVERNMENTAL AGENCIES, UTILITY OWNERS, THE OWNER, AND THE ENGINEER OF RECORD.
- THE CONTRACTOR IS RESPONSIBLE FOR PREPARING A TRAFFIC CONTROL PLAN THAT ADDRESSES THE MAINTENANCE OF BOTH VEHICULAR AND PEDESTRIAN TRAFFIC IN A SAFE AND REASONABLY ADEQUATE MANNER AROUND THE WORK SITE. PRIOR TO COMMENCING WITH ANY ACTIVITIES AT THE JOB SITE, THE CONTRACTOR SHALL OBTAIN APPROVAL FOR THE TRAFFIC CONTROL PLAN FROM ALL AGENCIES HAVING JURISDICTION.
- THE CONTRACTOR SHALL APPLY FOR AND PROCURE ALL PERMITS AND LICENSES, PAY ALL CHARGES, TAXES, ROYALTIES & FEES, AND GIVE ALL NOTICES NECESSARY TO COMPLETE THIS PROJECT.
- THE CONTRACTORS SHALL COORDINATE WITH UTILITY COMPANIES TO ARRANGE FOR ANY REMOVAL, RELOCATION AND TEMPORARY SUPPORT OF UTILITY FEATURES, ETC. AS NECESSARY TO COMPLETE THE WORK, IF APPLICABLE.
- THE LOCATIONS OF THE UTILITIES SHOWN IN THE PLANS ARE APPROXIMATE ONLY. THE CONTRACTOR SHALL LOCATE AND EXPOSE ALL EXISTING UTILITIES TO BE CONNECTED SUFFICIENTLY AHEAD OF CONSTRUCTION TO ALLOW REDESIGN BY THE ENGINEER IF SUCH UTILITIES ARE FOUND TO BE DIFFERENT THAN THOSE SHOWN ON PLANS.

### IV. INSPECTION AND TESTING

- THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING THE ENGINEER OF RECORD VIA TELEPHONE AND EMAIL AT LEAST TWO BUSINESS DAYS PRIOR TO THE FOLLOWING:
  - FINISHED PAVEMENT - PRIOR TO PLACEMENT OF ANY FINISHED ASPHALT, CONCRETE AND/OR BRICK PAVING.
  - SUBSTANTIAL COMPLETION
  - FINAL INSPECTION

REGARDLESS OF WHETHER OR NOT THE ABOVE ARE WITNESSED BY OTHERS, IF THE CONTRACTOR FAILS TO NOTIFY THE ENGINEER OF RECORD AT LEAST 2 BUSINESS DAYS PRIOR AND THESE ARE COMPLETED WITHOUT THE ENGINEER OF RECORD PRESENT, THE CONTRACTOR SHALL AGAIN EXPOSE THE WORK AND REPEAT ALL TESTS AS REQUESTED BY THE ENGINEER OF RECORD AT NO ADDITIONAL COST TO THE CONTRACT. OTHERWISE, THE ENGINEER OF RECORD RESERVES THE RIGHT TO REFUSE ISSUANCE OF ANY CERTIFICATIONS.

- THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING AND CALLING FOR ANY TESTING AND INSPECTIONS REQUIRED BY CITY, COUNTY, STATE AND FEDERAL AGENCIES HAVING JURISDICTION OVER THE CONTRACTOR'S WORK.

### V. TEMPORARY FACILITIES

- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ARRANGE FOR OR SUPPLY TEMPORARY WATER SERVICE, SANITARY FACILITIES AND ELECTRICITY DURING CONSTRUCTION.
- THE CONTRACTOR SHALL MAINTAIN AT LEAST ONE ACCESS ENTRANCE TO ADJACENT PROPERTIES AT ALL TIMES.
- THE CONTRACTOR SHALL MAINTAIN A CLEAR PATH FOR ALL SURFACE WATER DRAINAGE STRUCTURES AND DITCHES DURING ALL PHASES OF CONSTRUCTION.
- ALL EXISTING DRAINAGE INLETS, DRAINAGE DITCHES AND WATER BODIES ABUTTING THE PROJECT SHALL BE PROTECTED FROM DEBRIS, SILT AND SOIL EROSION (REFER TO EROSION CONTROL PLAN AND DETAILS). EROSION CONTROL MEASURES SHALL BE CAREFULLY MAINTAINED UNTIL CONSTRUCTION ACTIVITIES ARE COMPLETE.
- THE CONTRACTOR SHALL PROVIDE ALL WARNING SIGNALS, SIGNS, LIGHTS AND FLAG PERSONS AS NECESSARY FOR THE MAINTENANCE OF TRAFFIC WITHIN PUBLIC RIGHT-OF-WAYS IN ACCORDANCE WITH FDOT STANDARD PLANS, SERIES 102-600.
- NO TRENCHES OR HOLES NEAR WALKWAYS, IN ROADWAYS OR THEIR SHOULDERS ARE TO BE LEFT OPEN AND BARRICADED/SHELDED DURING NIGHTTIME HOURS WITHOUT THE EXPRESS PERMISSION OF THE CITY OF MIAMI PUBLIC WORKS DEPARTMENT, AND/OR FDOT.

### VI. PROJECT CLOSE OUT:

- DURING CONSTRUCTION, THE PROJECT SITE AND ALL ADJACENT AREAS SHALL BE MAINTAINED IN A NEAT AND CLEAN MANNER, AND UPON FINAL CLEANUP, THE PROJECT SITE SHALL BE LEFT CLEAR OF ALL SURPLUS MATERIAL OR TRASH. THE PAVED AREAS SHALL BE SWEEP BROOM CLEAN.
- THE CONTRACTOR SHALL RESTORE OR REPLACE, WHEN AND AS DIRECTED, ANY PUBLIC OR PRIVATE PROPERTY DAMAGED BY HIS/HER WORK, EQUIPMENT AND/OR EMPLOYEES TO A CONDITION AT LEAST EQUAL TO THAT EXISTING IMMEDIATELY PRIOR TO THE BEGINNING OF OPERATIONS AS DETERMINED BY THE ENGINEER.
- UNLESS NOTED OTHERWISE, THE CONTRACTOR SHALL REPLACE ALL PAVING, STABILIZED EARTH, CURBS, DRIVEWAYS, SIDEWALKS, FENCES, MAILBOXES, SIGNS AND ANY OTHER IMPROVEMENTS REMOVED DURING CONSTRUCTION WITH THE SAME TYPE OF MATERIAL AND TO THE CONDITION WHICH EXISTED PRIOR TO THE BEGINNING OF OPERATIONS.
- WHERE MATERIAL OR DEBRIS HAVE WASHED OR FLOWED INTO, OR HAVE BEEN PLACED IN WATER COURSES, DITCHES, DRAINS, CATCH BASINS, OR ELSEWHERE AS A RESULT OF THE CONTRACTOR'S OPERATIONS, SUCH MATERIAL OR DEBRIS SHALL BE REMOVED AND SATISFACTORILY DISPOSED OF DURING THE PROGRESS OF THE WORK, AND THE AREA KEPT IN A CLEAN AND NEAT CONDITION AS DETERMINED BY THE ENGINEER.
- ALL DISPOSAL OF EXCESS AND UNSUITABLE EXCAVATED MATERIAL, DEMOLITION, VEGETATION, RUBBISH AND DEBRIS SHALL BE MADE OUTSIDE THE LIMITS OF CONSTRUCTION AT A LEGAL DISPOSAL SITE PROVIDED BY THE CONTRACTOR AT HIS/HER OWN EXPENSE, WITH THE PRIOR APPROVAL OF THE ENVIRONMENTAL ENGINEER. MATERIAL CLEARED FROM THE SITE SHALL NOT BE DEPOSITED ON ADJACENT AND/OR NEARBY PROPERTY.
- ALL PROPERTY MONUMENTS OR PERMANENT REFERENCES, REMOVED OR DESTROYED BY THE CONTRACTOR DURING CONSTRUCTION SHALL BE RESTORED BY A STATE OF FLORIDA REGISTERED LAND SURVEYOR AT THE CONTRACTOR'S EXPENSE.
- DURING THE DAILY PROGRESS OF THE JOB, THE CONTRACTOR SHALL RECORD ON HIS SET OF CONSTRUCTION DRAWINGS THE EXACT LOCATION, LENGTH AND ELEVATION OF ANY EXISTING FACILITIES NOT FOUND TO BE EXACTLY AS SHOWN ON THE PLANS, AND ANY NEW FACILITIES NOT BUILT EXACTLY ACCORDING TO PLANS.
- THE CONTRACTOR SHALL PROVIDE THE ENGINEER WITH AS-BUILT GRADES AND LOCATIONS OF FINISHED PAVEMENT, SIDEWALKS, CURBS, DRAINAGE STRUCTURES, AND ALL PHYSICAL IMPROVEMENTS. SUCH GRADES SHALL BE OBTAINED BY A LICENSED SURVEYOR REGISTERED TO PRACTICE IN THE STATE OF FLORIDA, AND SHALL DOCUMENT THE INTENT OF THE PROPOSED GRADES SHOWN ON THE PLANS. THIS SHALL BE DONE AT NO COST TO THE OWNER.
- CONTRACTOR TO REPLACE ALL FOUND PIPES WITH NAIL AND DISKS.

### VII. STORM DRAINAGE

- ALL ONSITE STORM DRAINAGE MATERIALS AND INSTALLATION SHALL CONFORM TO THE APPLICABLE CITY OF NORTH BAY VILLAGE PUBLIC WORKS, MIAMI DADE COUNTY PUBLIC WORKS AND FDOT SPECIFICATIONS.
- PROVIDE A MINIMUM PROTECTIVE COVER OF 24 INCHES OVER STORM SEWER AND AVOID UNNECESSARY CROSSING BY HEAVY CONSTRUCTION VEHICLES DURING CONSTRUCTION.
- THE CONTRACTOR SHALL PROTECT COMPLETED DRAINAGE STRUCTURES AND EXFILTRATION TRENCH SYSTEMS FROM CONTAMINATION OF SILT AND CONSTRUCTION DEBRIS. PLACE PLYWOOD ON, OR FILTER FABRIC BETWEEN, THE FRAME AND INLET GRATE UNTIL CONSTRUCTION OPERATIONS ARE FINISHED.
- CONTRACTOR TO USE CAUTION WHEN EXCAVATING NEAR EXISTING SEAWALL TO AVOID DAMAGING THE SEAWALL AND ANY POSSIBLE TIE-BACK SUPPORTS.

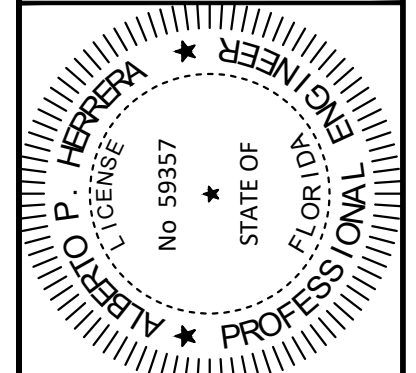
### VIII. ENVIRONMENTAL

- THE AREAS WITHIN APPROXIMATELY STA 109+00 TO STA 111+70 HAS/HAVE BEEN IDENTIFIED AS POTENTIALLY CONTAMINATED.

ONE POTENTIALLY CONTAMINATED SITE LOCATED WITHIN A 500-FT RADIUS OF THE PROJECT CORRIDOR HAS BEEN IDENTIFIED. THE CONTRACTOR SHALL NOTIFY THE LAP CITY OF NORTH BAY VILLAGE ENGINEER FOR TECHNICAL ASSISTANCE BEFORE APPLYING FOR A DEWATERING PERMIT FROM ANY ENVIRONMENTAL REGULATORY AGENCY TO AVOID POTENTIAL CONTAMINATION PLUME EXACERBATION AND DETERMINE PROPER GROUNDWATER MANAGEMENT ASSOCIATED WITH THE ABOVE REFERENCED AREA.

A COORDINATION MEETING BETWEEN THE LAP CITY OF NORTH BAY VILLAGE ENGINEER OR A DESIGNATED QUALIFIED ENVIRONMENTAL INDIVIDUAL/CONSULTANT AND THE CONTRACTOR SHALL BE HELD PRIOR TO THE START OF CONSTRUCTION TO COORDINATE ACTIVITIES WITHIN THE PROJECT AREA.

THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED IN ACCORDANCE WITH F.S. 489.003, P.E., 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.



KHA PROJECT  
DATE 04/31/2022  
SCALE AS SHOWN  
DESIGNED BY APH  
DRAWN BY JKR  
CHECKED BY APH

## GENERAL NOTES

BAYWALK PLAZA  
PREPARED FOR  
NORTH BAY VILLAGE

SHEET NUMBER  
C-101

NORTH BAY VILLAGE  
FLORIDA

NO.	REVISIONS	DATE	BY
1	90% FDOT ERC COMMENTS	11/05/2021	
2	FINAL FDOT ERC COMMENTS	12/23/2021	

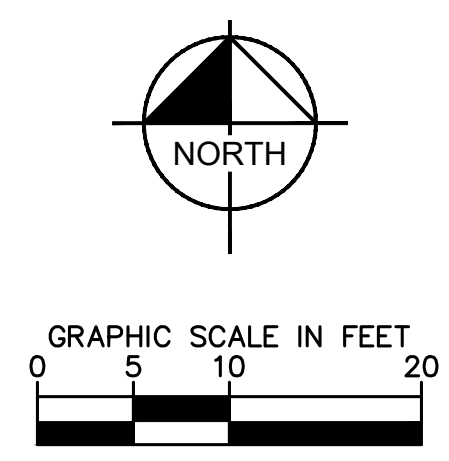
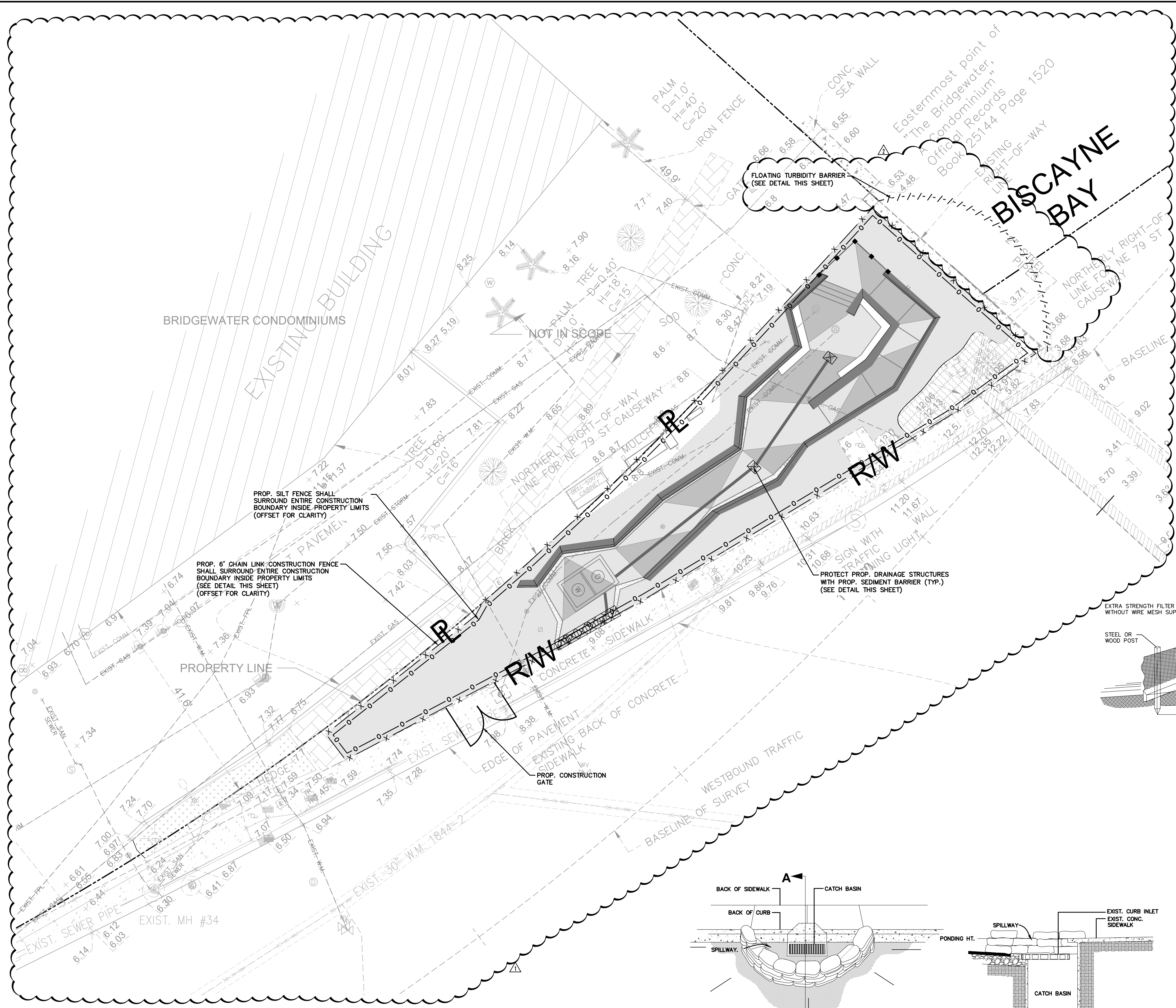
**Kimley-Horn**  
© 2017 KIMLEY-HORN AND ASSOCIATES, INC.  
355 ALHAMBRA CIRCLE, SUITE 1400, CORAL GABLES, FL 33134  
PHONE: 305-673-2025  
WWW.KIMLEY-HORN.COM CA 00000696

Always call 811 two full business days before you dig

Sunshine811.com

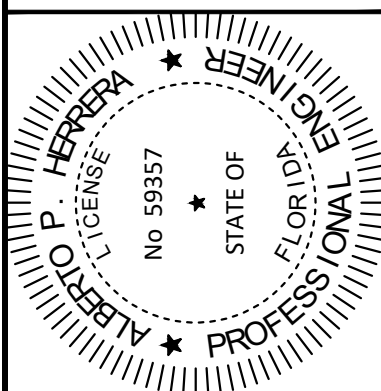


Plotted By: Perasso, Bradiz Sheet: Sct: BAYWALK PLAZA Layout: C-301 EROSION CONTROL PLAN AND DETAILS January 20, 2022 03:50:11pm K:\MIB-URG-043138022-bdwalk\_plaza\_area\_design\CADD\plansheets\C-301 EROSION CONTROL PLAN AND DETAILS.dwg  
 This document, together with the concepts and designs presented herein, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



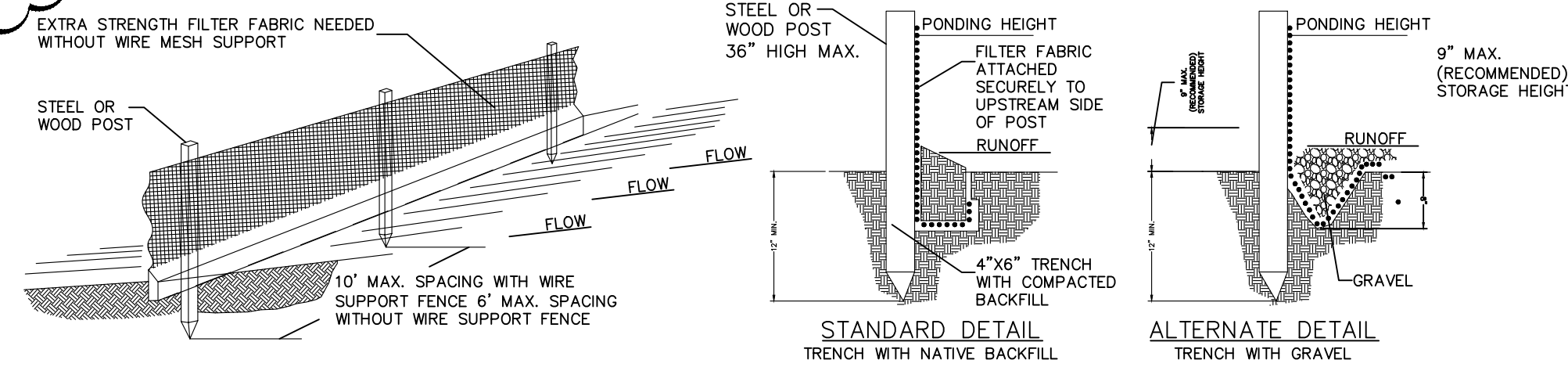
- LEGEND:**
- RIGHT-OF-WAY OR PROPERTY LINE
  - CENTER LINE OF ROADWAY
  - SEDIMENT BARRIER CONTROL FOR STORM STRUCTURE
  - PROP. SILT FENCE
  - PROP. 6' CHAIN LINK CONSTRUCTION FENCE WITH DUST SCREEN (IF REQ.)
  - PROP. FLOATING TURBIDITY BARRIER (REFER TO DETAIL)

THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED  
 IN ACCORDANCE WITH F.S. 481.001, P.E., 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.



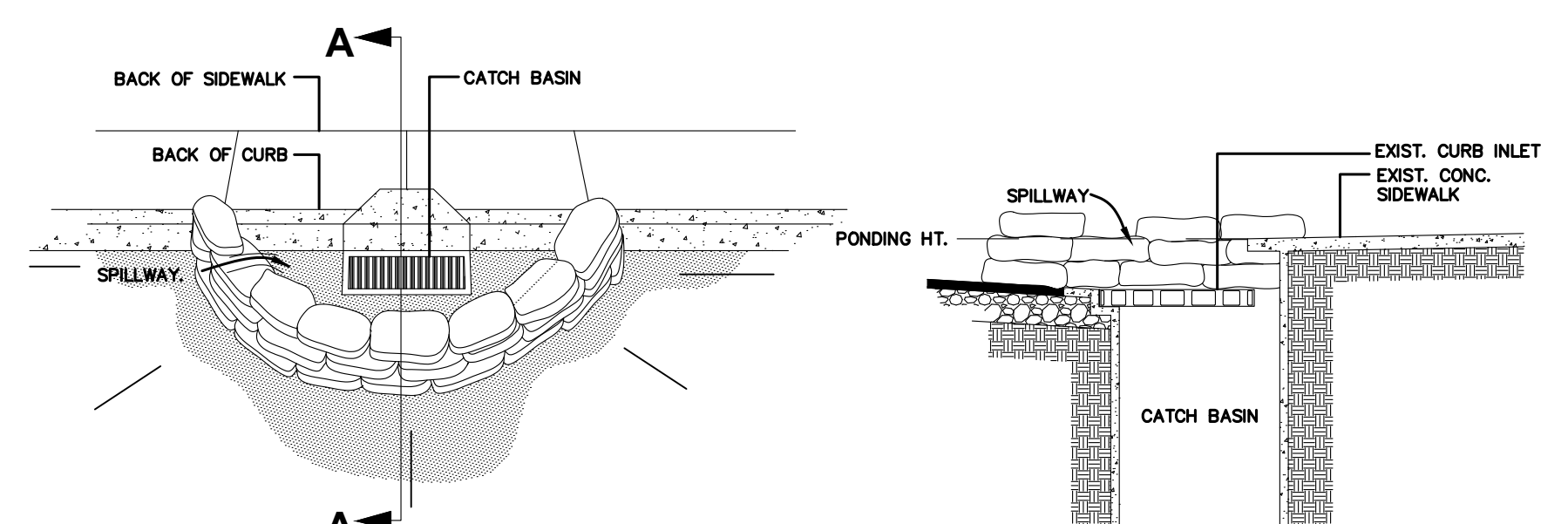
**Kimley»Horn**  
 © 2017 KIMLEY-HORN AND ASSOCIATES, INC.  
 355 ALHAMBRA CIRCLE, SUITE 1400, CORAL GABLES, FL 33134  
 PHONE: 305-673-2025  
 WWW.KIMLEY-HORN.COM CA 00000696

NO.	REVISIONS	DATE	BY
1	90% FDOT ERC COMMENTS	11/05/2021	
2	FINAL FDOT ERC COMMENTS	12/23/2021	



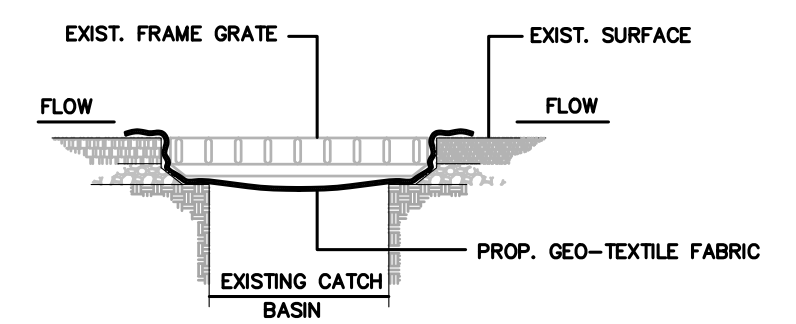
- NOTES:**
- INSPECT AND REPAIR FENCE AFTER EACH STORM EVENT AND REMOVE SEDIMENT WHEN NECESSARY.
  - REMOVED SEDIMENT SHALL BE DEPOSITED TO AN AREA THAT WILL NOT CONTRIBUTE SEDIMENT OFF-SITE AND CAN BE PERMANENTLY STABILIZED.
  - SILT FENCE SHALL BE PLACED ON SLOPE CONTOURS TO MAXIMIZE PONDING EFFICIENCY.

**SILT FENCE DETAIL**



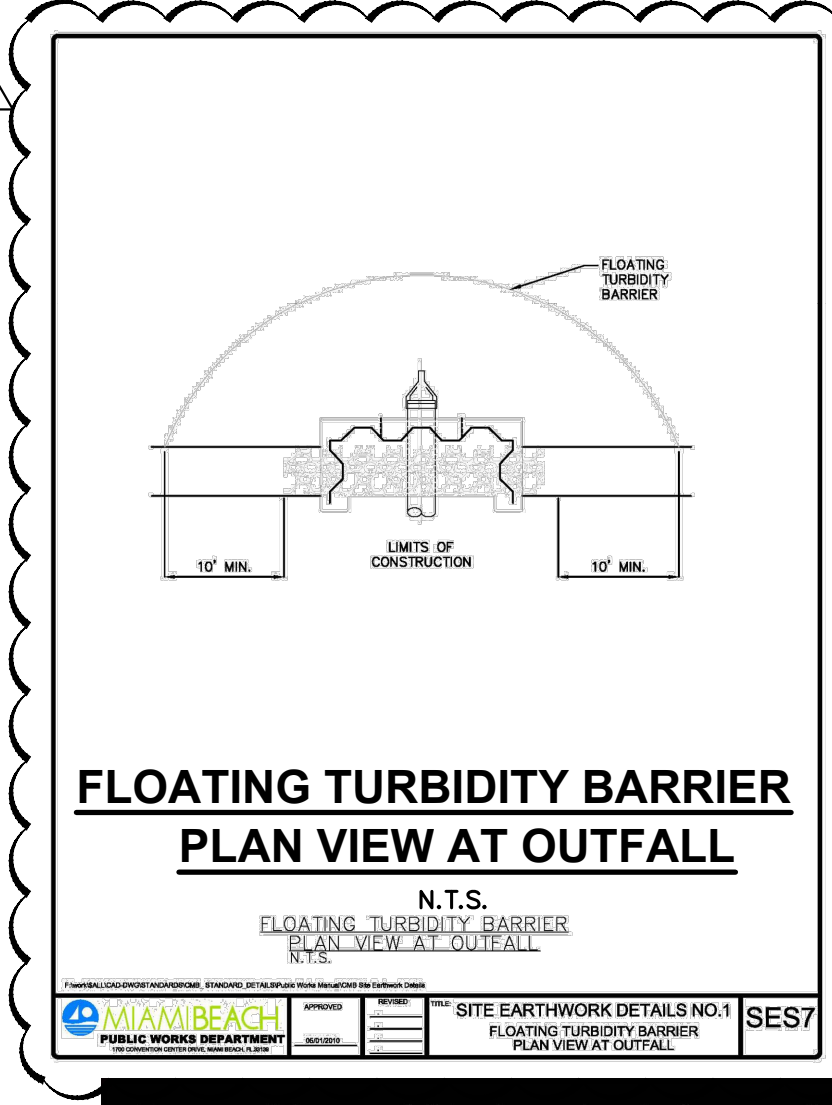
**CURB INLET SILT BARRIER DETAIL**

- NOTES:**
- PLACE CURB TYPE SEDIMENT BARRIERS ON GENTLY SLOPING STREET SEGMENTS, WHERE WATER CAN POND AND ALLOW SEDIMENT TO SEPARATE FROM RUNOFF.
  - SANDBAGS, OF EITHER BURLAP OR WOVEN GEOTEXTILE FABRIC, ARE FILLED WITH GRAVEL LAYERED AND PACKED TIGHTLY.
  - LEAVE ONE SANDBAG GAP IN THE TOP ROW TO PROVIDE A SPILLWAY FOR OVERFLOW.
  - INSPECT BARRIERS AND REMOVE SEDIMENT AFTER EACH STORM EVENT. SEDIMENT AND GRAVEL MUST BE REMOVED FROM THE TRAVELED WAY IMMEDIATELY.



**CATCH BASIN SILT BARRIER DETAIL**

- NOTES:**
- CONTRACTOR SHALL PERFORM DAILY INSPECTIONS OF GEO-TEXTILE FABRIC BARRIER AND AS NECESSARY REPLACE OR REPAIR AS REQUIRED, SPECIFICALLY AFTER STORM EVENTS AND LARGE RAINFALL EVENTS.
  - SEDIMENTATION AND DEBRIS THAT ARE REMOVED FROM BARRIERS SHALL BE LEGALLY DISPOSED OF AT AN AUTHORIZED OFF-SITE DISPOSAL FACILITY.



**FLOATING TURBIDITY BARRIER PLAN VIEW AT OUTFALL**

- NOTES:**
- CONTRACTOR SHALL PERFORM DAILY INSPECTIONS OF GEO-TEXTILE FABRIC BARRIER AND AS NECESSARY REPLACE OR REPAIR AS REQUIRED, SPECIFICALLY AFTER STORM EVENTS AND LARGE RAINFALL EVENTS.
  - SEDIMENTATION AND DEBRIS THAT ARE REMOVED FROM BARRIERS SHALL BE LEGALLY DISPOSED OF AT AN AUTHORIZED OFF-SITE DISPOSAL FACILITY.

**EROSION CONTROL PLAN AND DETAILS**

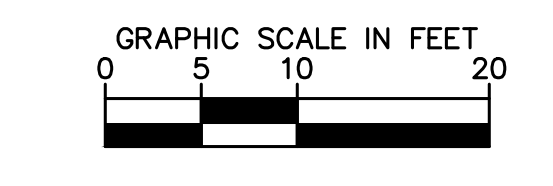
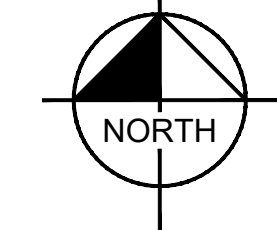
**BAYWALK PLAZA PREPARED FOR NORTH BAY VILLAGE**

SHEET NUMBER **C-301**

Always call 811 two full business days before you dig

DATE: 1/20/2022

Plotted By: Perasso, Beatriz - Sheet Set: BAYWALK PLAZA - Layout: C-400 PAVING & GRADING PLAN - January 20, 2022 03:51:56pm K:\MB.URD\043138022\_baywalk\_plaza\_area\_design\CIVIL\CADD\plansheets\C-400 PAVING & GRADING PLAN.dwg  
This document, together with the concepts and designs presented herein, is an instrument of service, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

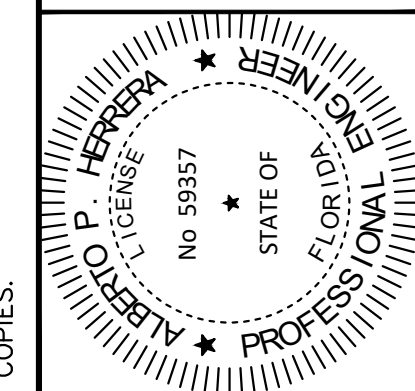


**LEGEND:**

- R/W --- RIGHT-OF-WAY OR PROPERTY LINE
- CL --- CENTER LINE OF ROADWAY
- 9.10 PROPOSED ELEVATION
- ±8.24 M.E. MATCH EXISTING PAVEMENT ELEVATION

- NOTES:**
- ALL MAXIMUM SLOPES ARE ABSOLUTE AND SUPERSEDE CONSTRUCTION TOLERANCES STATED IN THE PROJECT SPECIFICATION. THE CONTRACTOR HAS THE OPTION OF ADJUSTING GRADES TO ALLOW FOR CONSTRUCTION TOLERANCE BUT SHALL NOT EXCEED THE MAXIMUMS SPECIFIED ABOVE BY ANY AMOUNT. PAVEMENT SLOPES WILL BE REVIEWED AFTER CONSTRUCTION AND ANY PAVEMENT FOUND TO EXCEED THE MAXIMUMS SPECIFIED ABOVE WILL BE REPLACED AT THE CONTRACTOR'S EXPENSE.
  - THE CONTRACTOR SHALL CONTACT THE LANDSCAPE ARCHITECT OR SITE ENGINEER REGARDING ANY GRADE REVISIONS PRIOR TO CONSTRUCTION OF THE PAVEMENT AREAS.
  - THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES, AND WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE APPROPRIATE UTILITY COMPANIES AT LEAST 72 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATION OF UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THESE PLANS.
  - ALL CUT AND FILL SLOPES SHALL BE 4:1 OR FLATTER UNLESS OTHERWISE NOTED.
  - STORM PIPE SHALL BE HIGH DENSITY POLYETHYLENE (HDPE) STORM PIPE IN EXFILTRATION TRENCH AREAS SHALL BE SLOTTED HDPE.
  - IF ANY EXISTING DRAINAGE STRUCTURES TO REMAIN IN SERVICE ARE DAMAGED DURING CONSTRUCTION, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO REPAIR THOSE STRUCTURE TO PRIOR CONDITION, OR BETTER, OR TO REPLACE THEM, AS NECESSARY.
  - ALL STORM PIPE ENTERING STRUCTURES SHALL BE GROUTED TO ENSURE CONNECTION AT STRUCTURE IS WATER TIGHT.
  - THE CONTRACTOR SHALL ADHERE TO ALL TERMS AND CONDITIONS AS OUTLINED IN THE GENERAL N.P.D.E.S. PERMIT FOR STORMWATER DISCHARGE ASSOCIATED WITH CONSTRUCTION ACTIVITIES.
  - CONTRACTOR SHALL ENSURE POSITIVE DRAINAGE AWAY FROM BUILDINGS FOR ALL NATURAL AND PAVED AREAS.
  - SPOT ELEVATIONS ARE AT EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.
  - FIELD DENSITY TESTS SHALL BE TAKEN AT THE FREQUENCY REQUIRED IN THE SPECIFICATIONS.
  - THE PRESENCE OF GROUNDWATER SHOULD BE ANTICIPATED ON THIS PROJECT. THE CONTRACTOR'S BID SHALL INCLUDE CONSIDERATION FOR ADDRESSING THIS ISSUE.
  - STORMWATER POLLUTION PREVENTION PLAN AND DETAILS IMPLEMENTED ON SITE SHALL CONFORM TO THE REQUIREMENT OF FDEP/NPDES AND MIAMI-DADE COUNTY.

THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY KIMLEY-HORN AND ASSOCIATES, P.E., 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.



KHA PROJECT	043138022
DATE	06/20/2018
SCALE	AS SHOWN
DESIGNED BY	APH
DRAWN BY	JR
CHECKED BY	APH

**PAVING & GRADING PLAN**

BAYWALK PLAZA  
PREPARED FOR  
NORTH BAY VILLAGE

NORTH BAY VILLAGE FLORIDA

SHEET NUMBER  
**C-400**

Always call 811 two full business days before you dig  
**Sunshine811.com**

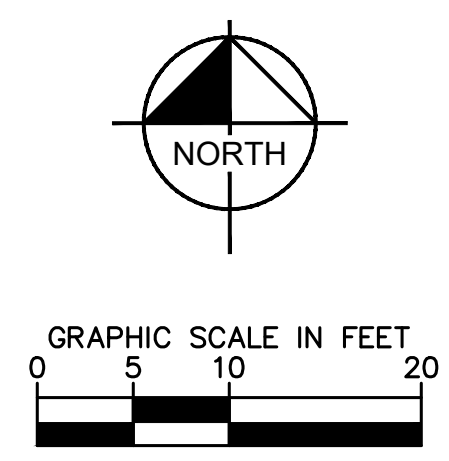
90% FDOT ERC COMMENTS	11/05/2021
FINAL FDOT ERC COMMENTS	12/23/2021
NO.	
REVISIONS	
DATE	

**Kimley-Horn**

© 2017 KIMLEY-HORN AND ASSOCIATES, INC.  
355 ALHAMBRA CIRCLE, SUITE 1400, CORAL GABLES, FL 33134  
PHONE: 305-673-2025  
WWW.KIMLEY-HORN.COM CA 00000696

DATE: 1/20/2022

Plotted By: Perasso, Beatriz Sheet: Sst: BAYWALK PLAZA Layout: C-401 DRAINAGE PLAN January 20, 2022 03:52:11pm K:\MIB-URG\04-31-2022-boywalk\_pizza\_area\_design\CADD\plansheets\C-400\_PAVING & GRADING\_PLAN.dwg  
 This document, together with the concepts and designs presented herein, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



**LEGEND:**

- RIGHT-OF-WAY OR PROPERTY LINE
- CENTER LINE OF ROADWAY
- PROP. TRENCH DRAIN
- PROP. DRAINAGE WELL

**NOTES:**

- ALL MAXIMUM SLOPES ARE ABSOLUTE AND SUPERSEDE CONSTRUCTION TOLERANCES STATED IN THE PROJECT SPECIFICATION. THE CONTRACTOR HAS THE OPTION OF ADJUSTING GRADES TO ALLOW FOR CONSTRUCTION TOLERANCE BUT SHALL NOT EXCEED THE MAXIMUMS SPECIFIED ABOVE BY ANY AMOUNT. PAVEMENT SLOPES WILL BE REVIEWED AFTER CONSTRUCTION AND ANY PAVEMENT FOUND TO EXCEED THE MAXIMUMS SPECIFIED ABOVE WILL BE REPLACED AT THE CONTRACTOR'S EXPENSE.
- THE CONTRACTOR SHALL CONTACT THE LANDSCAPE ARCHITECT OR SITE ENGINEER REGARDING ANY GRADE REVISIONS PRIOR TO CONSTRUCTION OF THE PAVEMENT AREAS.
- THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES, AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES, AND WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE APPROPRIATE UTILITY COMPANIES AT LEAST 72 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATION OF UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THESE PLANS.
- ALL CUT AND FILL SLOPES SHALL BE 4:1 OR FLATTER UNLESS OTHERWISE NOTED.
- STORM PIPE SHALL BE HIGH DENSITY POLYETHYLENE (HDPE) STORM PIPE IN EXFILTRATION TRENCH AREAS SHALL BE SLOTTED HDPE.
- IF ANY EXISTING DRAINAGE STRUCTURES TO REMAIN IN SERVICE ARE DAMAGED DURING CONSTRUCTION, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO REPAIR THOSE STRUCTURE TO PRIOR CONDITION, OR BETTER, OR TO REPLACE THEM, AS NECESSARY.
- ALL STORM PIPE ENTERING STRUCTURES SHALL BE GROUTED TO ENSURE CONNECTION AT STRUCTURE IS WATERTIGHT.
- THE CONTRACTOR SHALL ADHERE TO ALL TERMS AND CONDITIONS AS OUTLINED IN THE GENERAL N.P.D.E.S. PERMIT FOR STORMWATER DISCHARGE ASSOCIATED WITH CONSTRUCTION ACTIVITIES.
- CONTRACTOR SHALL ENSURE POSITIVE DRAINAGE AWAY FROM BUILDINGS FOR ALL NATURAL AND PAVED AREAS.
- SPOT ELEVATIONS ARE AT EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.
- FIELD DENSITY TESTS SHALL BE TAKEN AT THE FREQUENCY REQUIRED IN THE SPECIFICATIONS.
- THE PRESENCE OF GROUNDWATER SHOULD BE ANTICIPATED ON THIS PROJECT. THE CONTRACTOR'S BID SHALL INCLUDE CONSIDERATION FOR ADDRESSING THIS ISSUE.
- STORMWATER POLLUTION PREVENTION PLAN AND DETAILS IMPLEMENTED ON SITE SHALL CONFORM TO THE REQUIREMENT OF FDEP/NPDES AND MIAMI-DADE COUNTY.

NO.	GRATE/RIM ELEVATION	PIPE INV. ELEVATION	STRUCTURE BOTTOM	PIPE DIRECTION	REMARKS
D-1	9.08	6.41	VARIABLE	-	TRENCH DRAIN ZURN Z882 PERMA-TRENCH HDPE 12" DRAIN SYSTEM WITH P12-GHPD GRATE OF DUCTILE IRON, ADA RATED AND HEEL PROOF OR APPROVED EQUAL.
D-2	9.15	6.14	VARIABLE	-	15" NYLOPLAST INLINE DRAINS WITH BRONZE GRATE
D-3	9.15	6.48	VARIABLE	-	15" NYLOPLAST INLINE DRAINS WITH BRONZE GRATE
DW-1	9.23	6.36 5.85	0.5'	S E	DRAINAGE WELL AND BOX (SEE DETAILS, SHEET C-402)

STRUCTURE NO.	FRAME & COVER		INTERNAL DIMENSIONS				PIPE DIRECTION / INVERT ELEVATION				M.H. RIM ELEVATION	TOP OF CASING ELEVATION	LOCATION	
	WELL CHAMBER	RETENTION CHAMBER	W	X	Y	Z	N	S	E	W			LATITUDE	LONGITUDE
DW-1	U.S.F. 119 RING AND BM COVER, PEDESTRIAN RATED	U.S.F. 119 RING AND BM COVER, PEDESTRIAN RATED	6.00'	3.50'	4.00'	5.67'	-	6.36' (8") STORM PIPE	5.85' (8") STORM PIPE	-	9.23'	6.23'	N25° 50' 55.40"	W80° 08' 46.20"

THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY KIMLEY-HORN AND ASSOCIATES, P.E., ON THE DATE 11/05/2021.  
 PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

90% FDOT ERC COMMENTS 11/05/2021  
 FINAL FDOT ERC COMMENTS 12/23/2021

No. \_\_\_\_\_ REVISIONS \_\_\_\_\_ DATE \_\_\_\_\_ BY \_\_\_\_\_

© 2017 KIMLEY-HORN AND ASSOCIATES, INC.  
 355 ALHAMBRA CIRCLE, SUITE 1400, CORAL GABLES, FL 33134  
 PHONE: 305-673-2025  
 WWW.KIMLEY-HORN.COM CA 00000696

KHA PROJECT	043138022
DATE	03/30/2015
SCALE AS SHOWN	AS SHOWN
DESIGNED BY	APH
DRAWN BY	JR
CHECKED BY	APH

## DRAINAGE PLAN

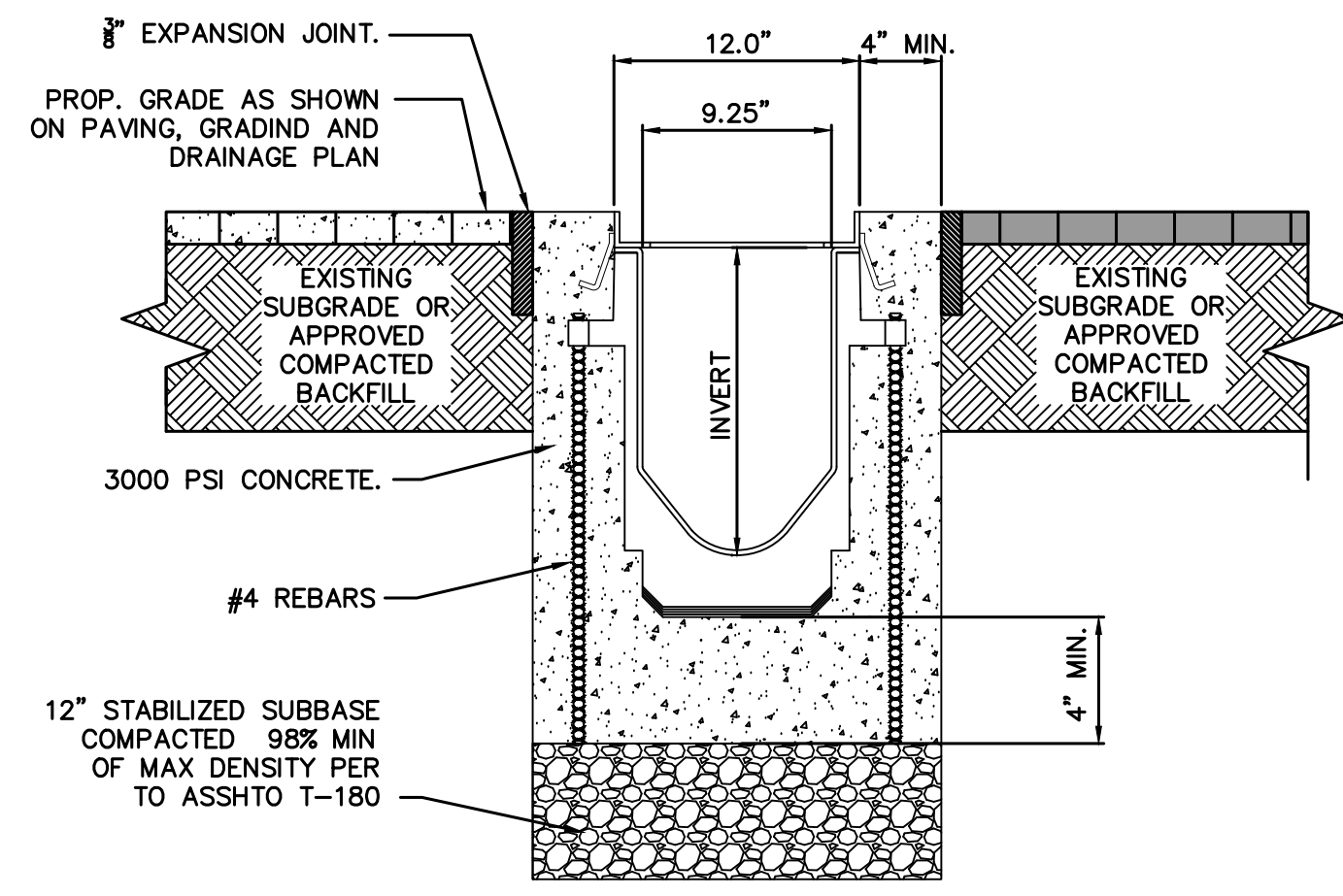
BAYWALK PLAZA  
 PREPARED FOR  
 NORTH BAY VILLAGE  
 NORTH BAY VILLAGE FLORIDA

SHEET NUMBER  
**C-401**

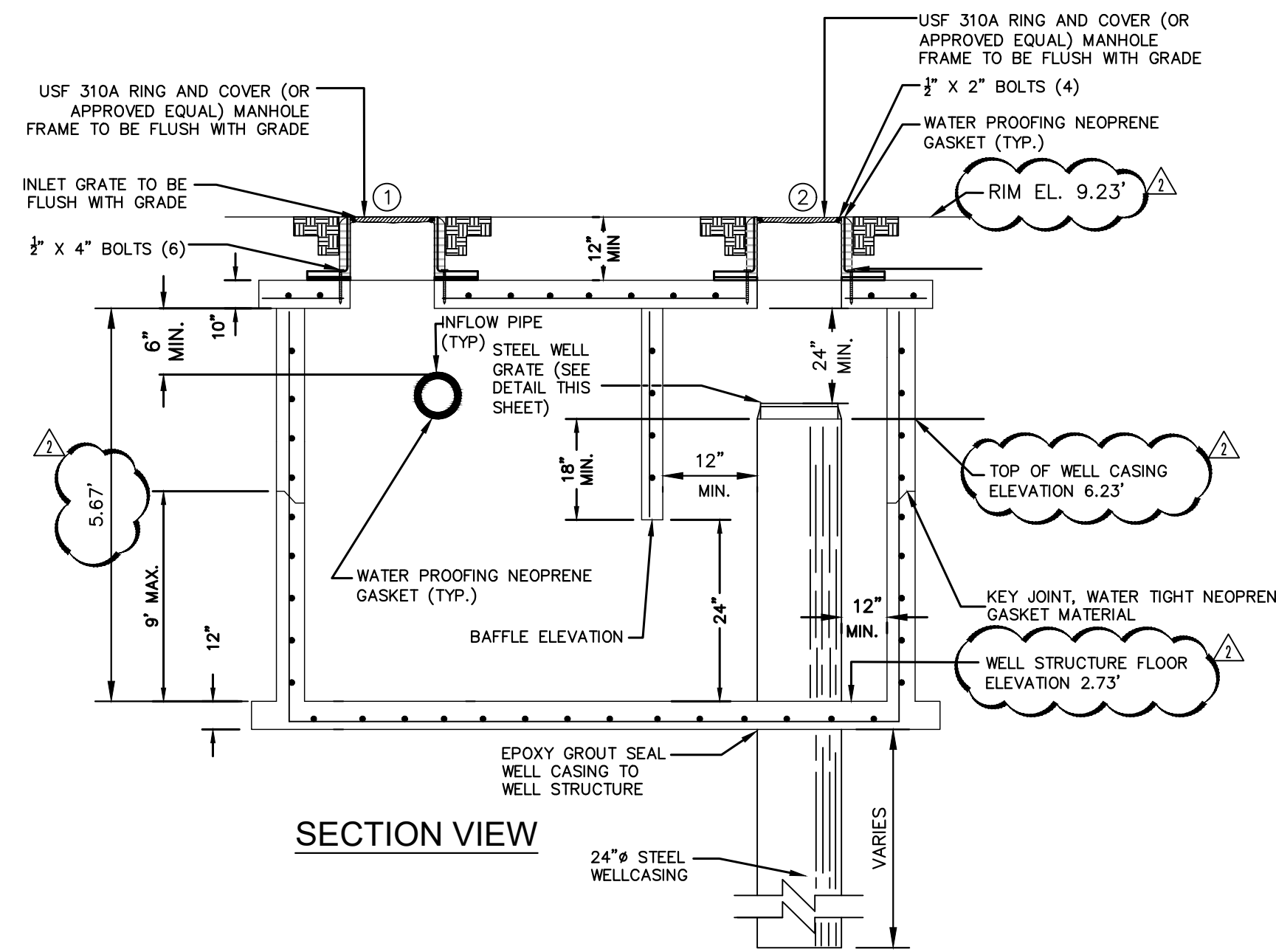
DATE:  
 1/20/2022

Always call 811 two full business days before you dig

Plotted By: Perasso, Beatriz - Sheet: Set: BAYWALK PLAZA - Layout: C-402 PAVING, GRADING, AND DRAINAGE DETAILS - January 20, 2022 - 03:52:24pm - K:\MIB-URC\04\31380222\_baywalk\_plaza\_area\_design\Civil\CADD\plansheets\C-402\_PAVING, GRADING, AND DRAINAGE DETAILS.dwg  
 This document, together with the concepts and designs presented herein, is intended only for the specific purpose and client for which it was prepared. Reuse of it and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



**ZURN Z-882 TRENCH DRAIN SYSTEM DETAILS (TYPICAL)**  
(OR APPROVED EQUAL)  
N.T.S.



**SECTION VIEW**  
N.T.S.

**DRAINAGE WELL STRUCTURES STRUCTURAL NOTES:**

**DESIGN CRITERIA:** DESIGN, FABRICATION AND ERECTION OF PRECAST CONCRETE SHALL BE IN ACCORDANCE WITH ACI 318-99 BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE AND PCI DESIGN HANDBOOK. DESIGN OF CAST-IN-PLACE CONCRETE SHALL BE IN ACCORDANCE WITH ACI 318-99.

**DESIGN LIVE LOADS:** THE TOP SLAB OF DRAINAGE STRUCTURE SHALL BE DESIGNED TO CARRY TRAFFIC LOADS (H-10 LOADING).

**GEOTECHNICAL CRITERIA:** SOIL BEARING PRESSURE UNDER STRUCTURE ASSUMED TO BE AT MINIMUM 2000 PSF. PRIOR TO INSTALLATION OF DRAINAGE STRUCTURE THE SOIL BEARING CAPACITY OF THE FOUNDATION MUST BE CONFIRMED BY THE CONTRACTOR, THROUGH A CERTIFIED GEOTECHNICAL LABORATORY.

**CONCRETE:** CONCRETE SHALL BE NORMAL WEIGHT, AND SHALL ATTAIN A 28, DAY COMPRESSIVE STRENGTH OF 5000 PSI AND SHALL MEET THE REQUIREMENT OF ASTM C478. CONCRETE COVER FOR REINFORCEMENT SHALL BE 2 INCHES EXCEPT FOOTING BOTTOM BARS SHALL HAVE 3" COVER.

**REINFORCING:** REINFORCING STEEL SHALL CONFORM TO ASTM A615, GRADE 60, AND SHALL BE OF U.S. MANUFACTURE.

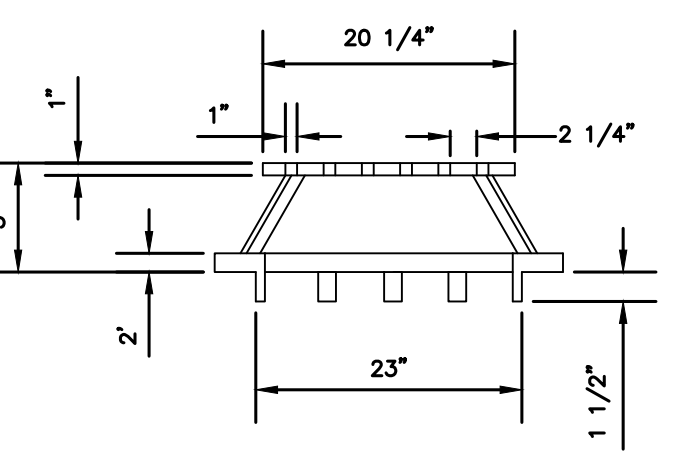
**MORTAR:** MORTAR GROUT TO SEAL THE PIPE, TOP SLABS, AND LEVELING COURSE SHALL BE OF SUCH A MIX THAT SHRINKAGE WILL NOT CAUSE LEAKAGE INTO OR OUT OF THE UNIT. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR MORTAR FOR ENGINEER REVIEW AND APPROVAL.

**SHOP DRAWINGS:** CONTRACTOR SHALL SUBMIT SHOP DRAWINGS, SIGNED AND SEALED BY A FLORIDA LICENSED ENGINEER, FOR PRECAST STRUCTURES TO THE ENGINEER FOR REVIEW AND APPROVAL PRIOR TO THE CONSTRUCTION OF STRUCTURE.

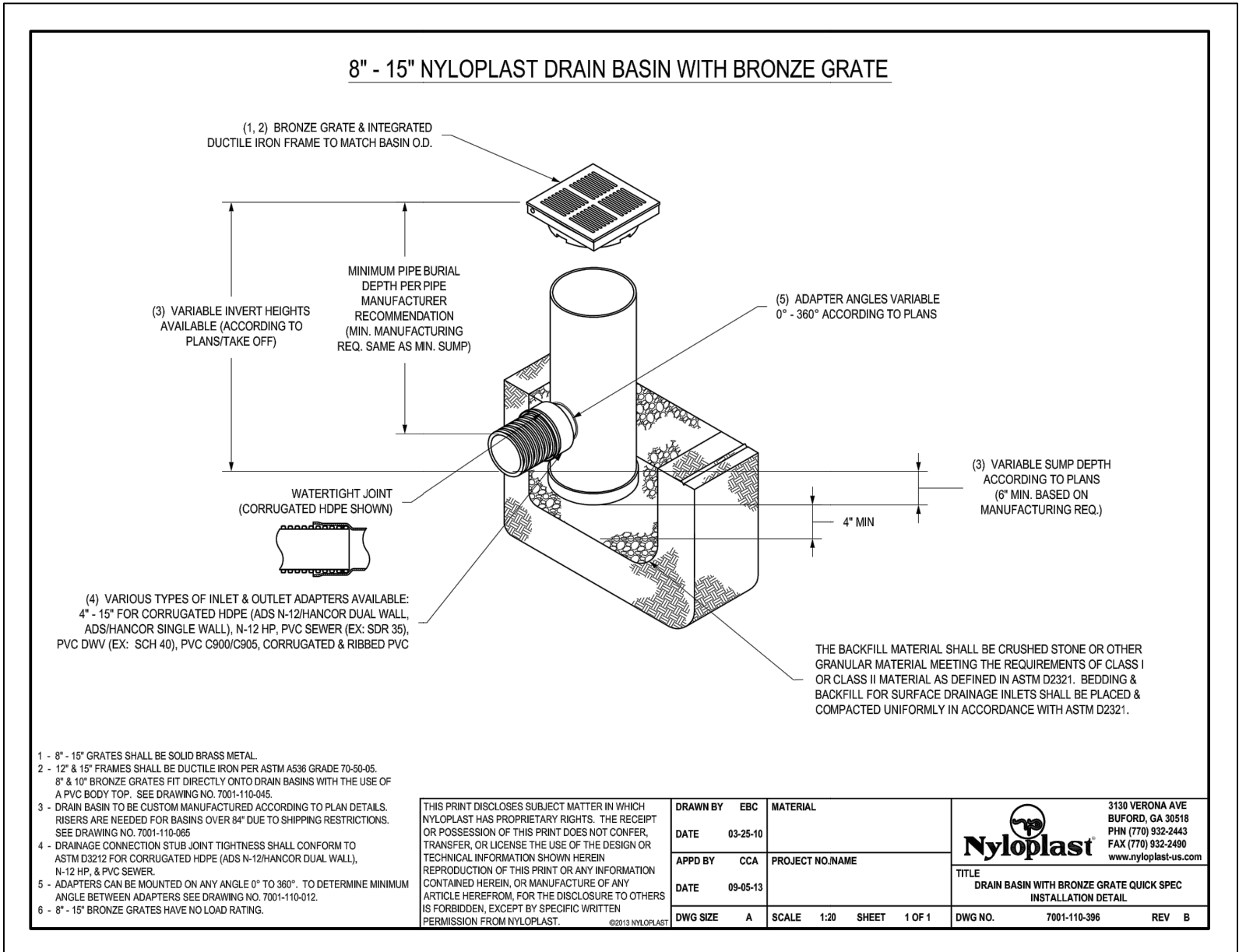
**MANHOLE RING & COVER:** ALL MANHOLE RINGS AND COVERS, WITHIN PRIVATE PROPERTY, SHALL HAVE THE WORD "STORM SEWER" CAST ON COVER.

**DRAINAGE WELL NOTES:**

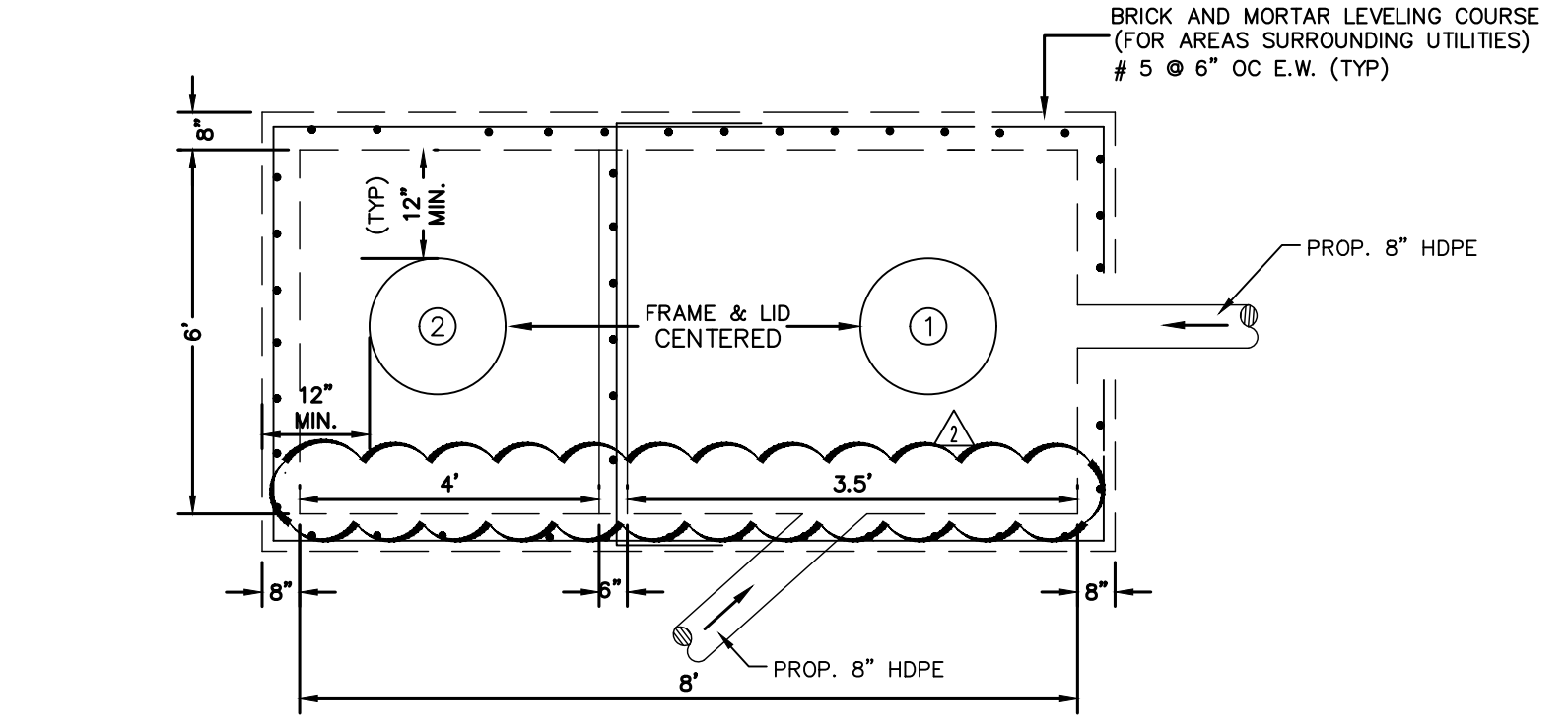
1. DEEP WELL TO BE CONSTRUCTED PER DRAINAGE WELL SCHEDULE. CONTRACTOR IS TO VERIFY THE FOLLOWING MINIMUM WELL CAPACITY: 800 GPM PER FOOT OF HEAD FOR WELLS. CONTRACTOR MUST PROVIDED A 60% CASED AND 40% OPEN WELL AT ANY DEPTH.
2. STEEL WELL GRATE TO BE INSTALLED OVER 24" DEEP WELL. STEEL GRATE TO BE HOT DIPPED GALVANIZED AFTER FABRICATION. COST TO BE INCLUDED IN THE PRICE OF CASING.
3. DEVELOPER OF WELL TO ASSURE 1500 P.P.M. SALINITY. THE WELL CASING SHALL PENETRATE A ZONE CONTAINING A MINIMUM OF 10,000 mg/L OF TOTAL DISSOLVED SOLIDS (TDS) IN ACCORDANCE WITH RULE 62-528.200(6), FAC.
4. WELL TESTING TO COMPLY WITH ASTM D 5472-93 AND D-4050-96 AND BE PERFORMED BY A THIRD PARTY FLORIDA REGISTERED GEOLOGIST.
5. ALL WELL BOX CONSTRUCTION JOINTS SHALL BE WATER TIGHT. WELL BOX MUST BE DESIGNED FOR UPLIFT FORCES (MIN 3 PSI) AND SIGNED AND SEALED BY A REGISTERED FLORIDA PROFESSIONAL ENGINEER.



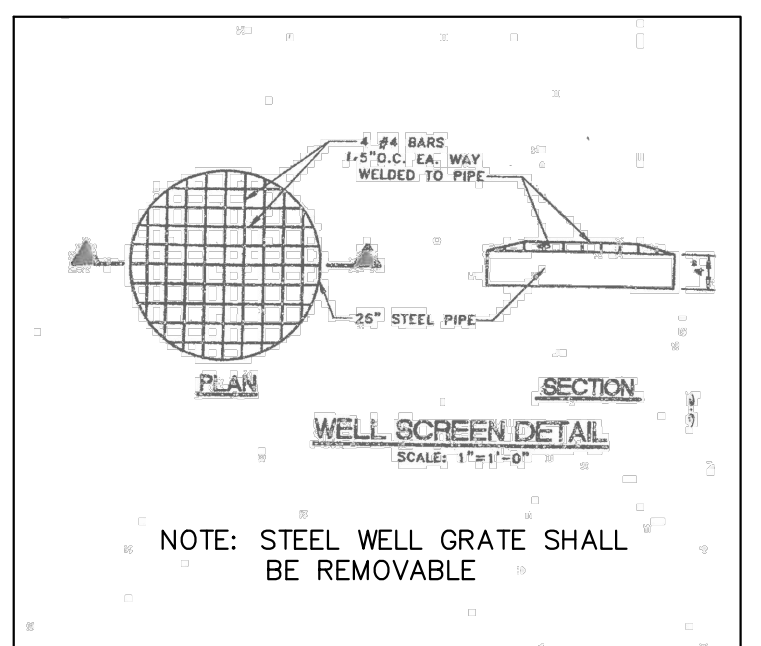
**NEENAH GRATE CATALOG No. R-4341-A OR APPROVED EQUIVALENT**  
**STEEL WELL GRATE DETAIL**  
N.T.S.



**8" - 15" NYLOPLAST DRAIN BASIN WITH BRONZE GRATE**  
N.T.S.



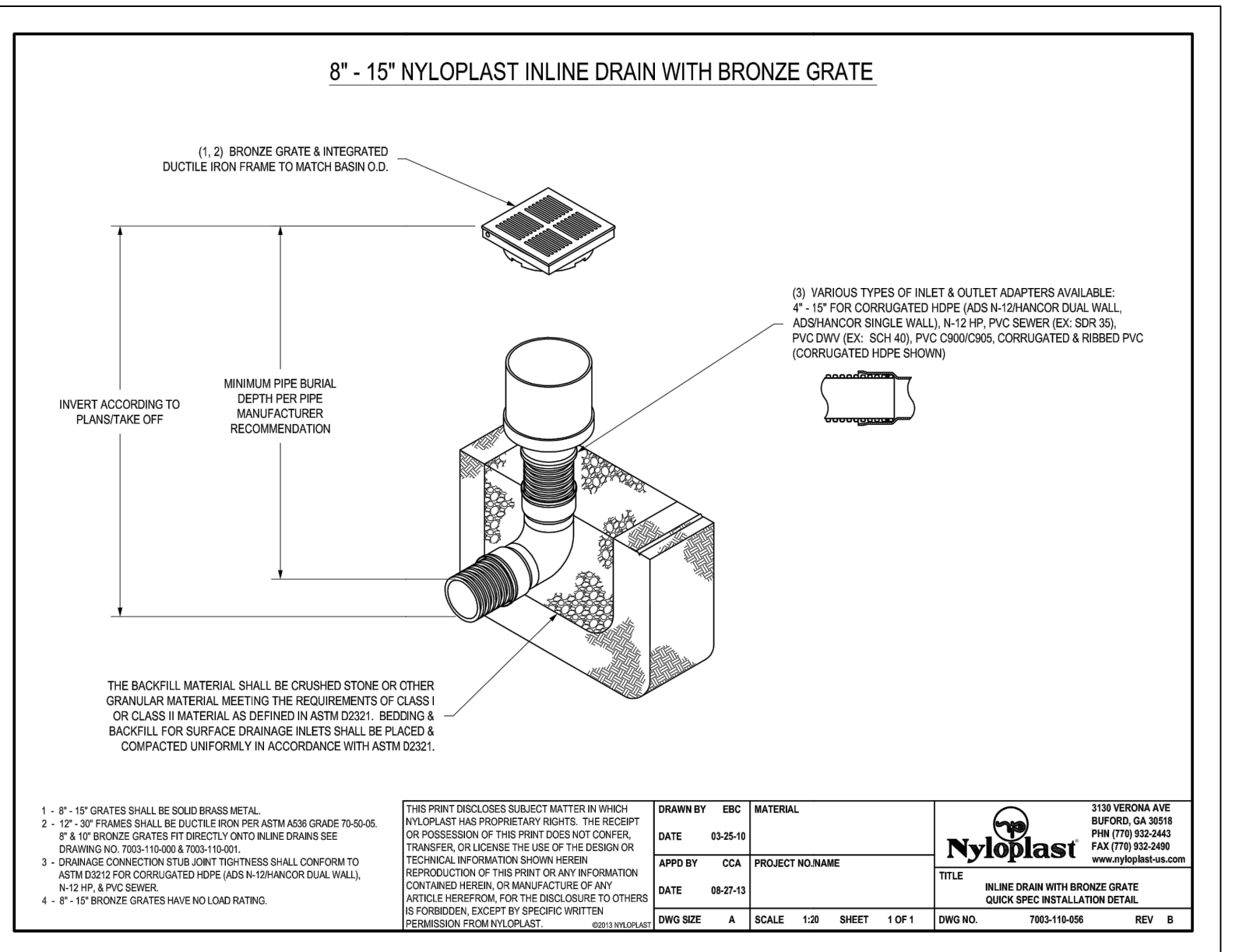
**TOP VIEW**  
**STORM DRAINAGE WELL DW-1**  
N.T.S.



**WELL SCREEN DETAIL**  
SCALE: 1"=1'-0"

**NOTES:**

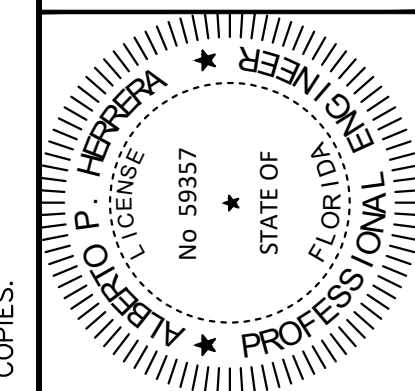
1. ALL PEDESTRIAN AREA MANHOLE RIMS, VAULT COVERS, GRATES, ETC. SHALL BE ADA/PEDESTRIAN COMPLIANT MODEL. ALL EXISTING MANHOLE RIMS, VAULT COVERS, GRATES, ETC. WITHIN PEDESTRIAN AREAS SHALL BE REPLACED WITH ADA/PEDESTRIAN COMPLIANT MODELS.



**8" - 15" NYLOPLAST INLINE DRAIN WITH BRONZE GRATE**  
N.T.S.

**15" NYLOPLAST INLINE DRAIN (OR APPROVED EQUAL)**  
N.T.S.

THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY A PROFESSIONAL ENGINEER, P.E., 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.



KHA PROJECT	043138022
DATE	03/03/2015
SCALE	AS SHOWN
DESIGNED BY	APH
DRAWN BY	UR
CHECKED BY	APH

**PAVING, GRADING, AND DRAINAGE DETAILS**

**BAYWALK PLAZA**  
 PREPARED FOR  
**NORTH BAY VILLAGE**  
 NORTH BAY VILLAGE FLORIDA



90% FDOT ERC COMMENTS	11/05/2021
FINAL FDOT ERC COMMENTS	12/23/2021
REVISIONS	
No.	
DATE	

**Kimley-Horn**  
 © 2017 KIMLEY-HORN AND ASSOCIATES, INC.  
 355 ALHAMBRA CIRCLE, SUITE 1400, CORAL GABLES, FL 33134  
 PHONE: 305-673-2025  
 WWW.KIMLEY-HORN.COM CA 00000696