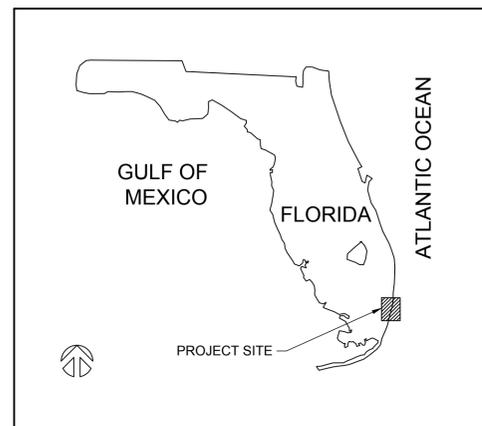
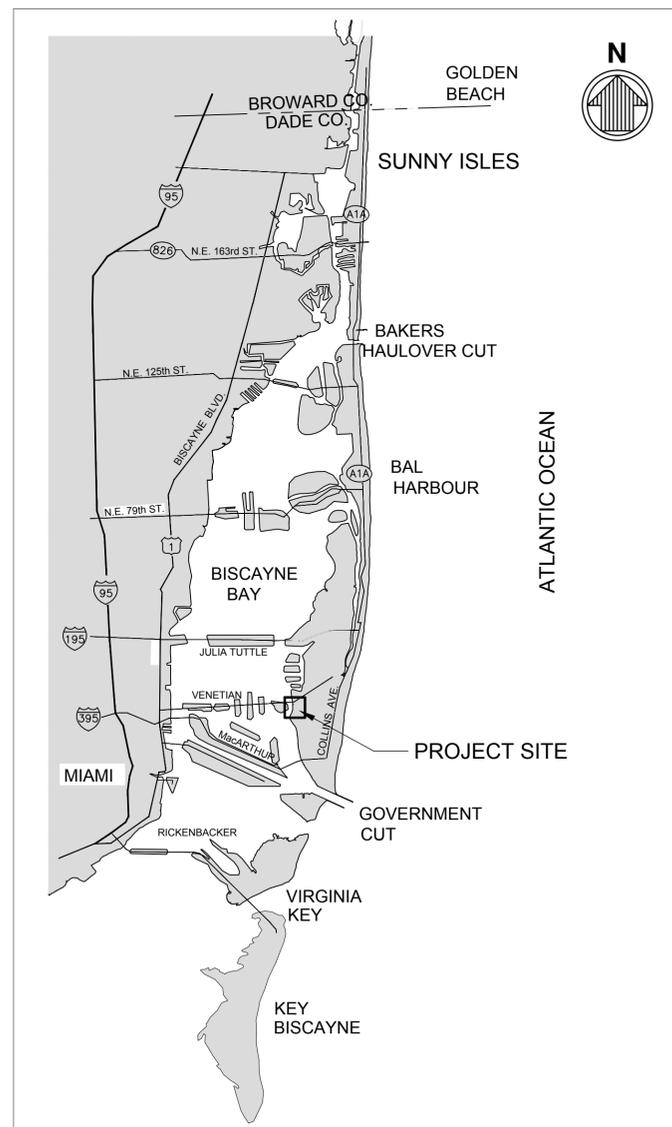


# WEST AVENUE PHASE II 17TH STREET DISSIPATOR BOX

MIAMI BEACH, FLORIDA  
SECTION 33, TOWNSHIP 53S, RANGE 42E



VICINITY MAP  
SCALE: NTS



LOCATION MAP  
SCALE: NTS

INDEX OF DRAWINGS		
INDEX NO.	SHEET NO.	SHEET TITLE
1	G-001	COVER SHEET
2	G-002	GENERAL NOTES
3	G-003	LEGEND & ABBREVIATIONS
4	V-101	EXISTING CONDITIONS
5	SD101	DEMOLITION PLAN
6	SD301	DEMOLITION SECTION
7	S-101	DISSIPATOR BOX PLAN
8	S-301	STRUCTURAL SEAWALL SECTIONS

30% DRAWINGS  
2021-09-08  
NOT TO BE USED FOR CONSTRUCTION

**GENERAL NOTES**

- ALL WORK SHALL CONFORM TO THE REQUIREMENTS OF THESE DRAWINGS, PROJECT NOTES AND FDOT STANDARD SPECIFICATIONS WHEN REFERENCED. FDOT STANDARD SPECIFICATIONS ARE REFERENCED FOR MATERIAL SPECIFICATIONS AND CONSTRUCTION METHODS UNDER DIVISION II "CONSTRUCTION DETAILS". DIVISION I "GENERAL REQUIREMENTS AND COVENANTS" OF THE FDOT STANDARD SPECIFICATIONS DOES NOT APPLY. THE CONTRACT WITH THE OWNER SHALL GOVERN OVER FDOT SPECIFICATIONS. MEANS OF MEASUREMENT AND PAYMENT SHALL BE AS STIPULATED BY THE OWNER AND THE CONTRACT. FDOT STANDARD SPECIFICATIONS REFER TO THE FLORIDA DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATION FOR ROADWAY AND BRIDGE CONSTRUCTION", 2020 EDITION AND ALL SUPPLEMENTAL SPECIFICATIONS.
- SITE VERIFICATION: PRIOR TO BEGINNING CONSTRUCTION THE CONTRACTOR SHALL CHECK THE DRAWINGS AGAINST THE SITE CONDITIONS AND NOTIFY THE ENGINEER IN WRITING OF ANY DISCREPANCIES IN DIMENSIONS OR SITE CONDITIONS. THE CONTRACTOR SHALL NOT BEGIN CONSTRUCTION IN ANY SUCH AFFECTED AREA UNTIL THE DISCREPANCY HAS BEEN RESOLVED BY THE CONTRACTOR AND APPROVED BY THE ENGINEER.
- ALL SAFETY REGULATIONS ARE TO BE STRICTLY FOLLOWED.
- METHODS OF CONSTRUCTION AND ERECTION OF STRUCTURAL MATERIAL ARE THE RESPONSIBILITY OF THE CONTRACTOR.
- THE CONTRACTOR SHALL, ON A DAILY BASIS, REMOVE FROM THE SITE ANY EXCAVATED MATERIAL OR DEBRIS. DISPOSAL OF THE MATERIALS IS THE RESPONSIBILITY OF THE CONTRACTOR. ALL DEBRIS SHALL BE DISPOSED OF IN A PERMITTED SANITARY LANDFILL.
- THE CONTRACTOR SHALL PLACE CONSTRUCTION DEBRIS CONTROL DEVICES, BOOMS, TARPULINS, FLOATS, STAGING, AND OTHER DEVICES AS NECESSARY TO PREVENT CONSTRUCTION DEBRIS FROM ENTERING THE WATER AND AIR BORNE MATERIALS FROM LEAVING THE IMMEDIATE VICINITY OF THE SITE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CLEAN-UP OF ANY MATERIALS DEPOSITED OUTSIDE THE WORK AREA OR IN THE WATER. SEE PERMIT CONDITIONS.
- THE CONTRACTOR SHALL ABIDE BY ALL APPLICABLE LOCAL ENVIRONMENTAL PROTECTION STANDARDS, LAWS, AND REGULATIONS.
- CONTRACTOR SHALL LOCATE ALL UTILITIES IN THE AREA OF CONSTRUCTION PRIOR TO COMMENCING WITH CONSTRUCTION. CONTRACTOR SHALL NOTIFY THE ENGINEER OF ALL CONFLICTS WITH EXISTING UTILITIES PRIOR TO COMMENCING WITH WORK IN THE CONFLICT AREA.
- CONTRACTOR SHALL PROVIDE AS-BUILT SURVEY AND DRAWINGS OF COMPLETED WORK TO THE ENGINEER.
- ANY DAMAGE TO STATE, COUNTY, OR LOCAL ROADS CAUSED BY THE CONSTRUCTION ACTIVITIES RELATED TO THIS PROJECT SHALL BE REPAIRED BY THE CONTRACTOR TO THE SATISFACTION OF THE CITY AND/OR LOCAL AUTHORITY.
- THE CONTRACTOR IS RESPONSIBLE FOR ADHERING TO ALL PERMIT CONDITIONS AND REPORTING REQUIREMENTS.
- UNLESS OTHERWISE NOTED, THE CONTRACTOR SHALL RESTORE DISTURBED AREAS TO ORIGINAL CONDITION TO MATCH ADJACENT GRADES AND SHALL REPLACE ANY DISTURBED PAVED OR GRASSED AREAS IN KIND.
- THE CONTRACTOR IS SOLELY RESPONSIBLE FOR THE SAFETY, SECURITY AND PROTECTION OF PERSONNEL, EQUIPMENT, CONSTRUCTION, AND ADJACENT FACILITIES FOR THE DURATION OF THIS CONTRACT. THE CONTRACTOR AND HIS SUBCONTRACTORS SHALL PREPARE AND CONFORM TO A PROJECT SPECIFIC HEALTH AND SAFETY PLAN. THE HEALTH AND SAFETY PLAN SHALL INCLUDE APPLICABLE GUIDELINES AND REGULATIONS SET FORTH IN CURRENT OSHA AND FLORIDA STATUTES WITH SPECIFIC ATTENTION TO FLORIDA TRENCH SAFETY ACT AND OSHA TRENCH EXCAVATION SAFETY STANDARDS. THE ENGINEER OF RECORD AND OWNER WILL NOT BE RESPONSIBLE FOR JOB SITE SAFETY PROCEDURES.
- ALL TEMPORARY UTILITIES NECESSARY FOR CONSTRUCTION SHALL BE PROVIDED AT THE EXPENSE OF THE CONTRACTOR.
- THE CONTRACTOR IS TO PROVIDE EROSION CONTROL/ SEDIMENTATION BARRIERS (HAY BALES, SILTATION CURTAINS AND FLOATING TURBIDITY SCREENS) TO PREVENT SILTATION OF ADJACENT PROPERTY, STREETS, STORM SEWERS, AND WATERWAYS. IF, IN THE OPINION OF THE OWNER AND/OR LOCAL AUTHORITIES, EXCESSIVE QUANTITIES OF EARTH ARE BEING TRANSPORTED OFF-SITE EITHER BY NATURAL DRAINAGE OR VEHICULAR TRAFFIC, THE CONTRACTOR IS TO REMOVE AND CLEAN SAID EARTH FROM TRAVEL WAYS TO THE SATISFACTION OF THE CITY AND/OR LOCAL AUTHORITIES.
- THE CONTRACTOR SHALL CONSIDER AND PLAN FOR, ON A DAILY BASIS, THE EFFECT OF TIDAL FLUCTUATION IN THE EXECUTION OF THE WORK.
- SCALE BARS ARE INTENDED FOR REFERENCE ONLY. ALL DIMENSIONS NECESSARY FOR CONSTRUCTION SHALL BE TAKEN FROM DIMENSION ANNOTATION AND NOT SCALED DIRECTLY FROM DRAWINGS.

**SURVEY NOTES**

- TOPOGRAPHIC AND HYDROGRAPHIC SURVEY PERFORMED BY LONGITUDE SURVEYORS ON APRIL 15, 2021.
- ELEVATIONS ARE IN FEET AND REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM 1988 (NAVD88)..
- BEARINGS AND COORDINATES SHOWN HEREON ARE REFERENCED TO GRID BEARINGS BASED UPON THE FLORIDA STATE PLANE COORDINATE SYSTEM, TRANSVERSE MERCATOR PROJECTION, WEST ZONE, NORTH AMERICAN DATUM OF 1983 (ADJUSTMENT OF 1999).
- UNDERGROUND UTILITIES, FOUNDATIONS AND/OR OTHER IMPROVEMENTS WILL BE LOCATED BY THE CONTRACTOR EXCEPT THOSE SHOWN ON THESE DRAWINGS BY CES CONSULTANTS.
- THE TIDAL DATUM RELATIONSHIP BASED ON NOAA STATION 8723214, VIRGINIA KEY, BISCAYNE BAY, FL.

VERTICAL DATUM RELATIONSHIP	
DATUM	ELEV
NGVD	+ 1.56 FEET
MHHW	+ 0.23 FEET
MHW	+ 0.15 FEET
NAVD88	0.00 FEET
MSL	- 0.89 FEET
MLW	-1.88 FEET
MLLW	-2.02 FEET

**DEMOLITION NOTES**

- CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO STRICTLY CONTAIN THE DEMOLITION WITHIN THE LIMITS OF THE REQUIRED CONSTRUCTION AND AVOID ANY DAMAGE TO THE EXISTING STRUCTURE. PLAN SHALL INCLUDED DETAILED MEANS AND METHOD OF DEMOLITION WORK.
- PRIOR TO GENERAL DEMOLITION, THE CONTRACTOR SHALL SAWCUT WHERE NOTED OR OTHERWISE PROVIDE A SMOOTH, CLEAN, PARALLEL FULL DEPTH BREAK FROM ALL CONNECTING LINKS TO THE REMAINING STRUCTURE.
- ANY DAMAGE INCURRED IN EXECUTION OF THIS CONTRACT TO ANY PART OF THE PROPERTY/STRUCTURE NOT SPECIFICALLY DESIGNATED FOR DEMOLITION SHALL BE REPAIRED, REPLACED, AND/OR RECONSTRUCTED BY THE CONTRACTOR TO ITS ORIGINAL CONDITION AS DIRECTED BY THE ENGINEER AT THE EXPENSE OF THE CONTRACTOR
- ALL DEMOLISHED MATERIAL, EXCEPT AS NOTED OTHERWISE, BECOMES THE PROPERTY OF, AND SHALL BE COMPLETELY REMOVED AND DISPOSED OF BY THE CONTRACTOR. THE REMOVAL, HANDLING, AND DISPOSAL OF ALL DEMOLITION MATERIALS SHALL BE IN STRICT ACCORDANCE WITH ALL LOCAL, STATE, AND FEDERAL REQUIREMENTS.
- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO BECOME FAMILIAR WITH THE MATERIALS TO BE DISPOSED OF AND ALL GOVERNING AGENCY REQUIREMENTS.
- THE CONTRACTOR IS RESPONSIBLE TO CONTROL FUGITIVE DUST ORIGINATING FROM THE PROJECT SITE DURING CONSTRUCTION BY WATERING OR OTHER METHODS AS REQUIRED.
- ALL SURVEY MONUMENTS WITHIN LIMITS OF CONSTRUCTION ARE TO BE PROTECTED.

**LAYOUT AND TESTING:**

- ALL CONSTRUCTION STAKEOUT SHALL BE PERFORMED BY AND PAID FOR BY CES CONSULTANTS.
- ALL TESTING, INSPECTION AND BACKFILL SHALL BE IN ACCORDANCE WITH CES CONSULTANTS SPECIFICATIONS, AND SHALL BE PERFORMED BY AN INDEPENDENT TESTING LABORATORY RETAINED BY THE CONTRACTOR.
- CES CONSULTANTS SHALL PROVIDE THE ENGINEER WITH A SET OF AS-BUILT DRAWINGS IN SUFFICIENT DETAILS TO ILLUSTRATE THE HORIZONTAL AND VERTICAL COMPONENTS RELATIVE TO THE CONSTRUCTION BASELINE.

**SUBMITTALS**

THE CONTRACTOR SHALL PROVIDE PRODUCT SUBMITTALS, AND/OR CATALOG CUT SHEETS FOR THE FOLLOWING ITEMS TO THE ENGINEER FOR REVIEW PRIOR TO CONSTRUCTION:

- PRELIMINARY SUBMITTALS:
  - SCHEDULE FOR COMPLETION OF WORK (TO BE UPDATED WEEKLY)
  - LIST OF SUBMITTALS
  - CONTRACTOR WORK PLAN
  - DEMOLITION PLAN
  - CONTACT LIST FOR GC'S STAFF
  - QUALITY ASSURANCE PLAN
- STRUCTURAL COMPONENTS
  - PRECAST CONCRETE

- CAST-IN-PLACE CONCRETE
  - REINFORCING STEEL
  - MISCELLANEOUS HARDWARE
- TURBIDITY CONTROL PLAN WITH STORMWATER PREVENTION PLAN.
  - SPECIALTY ENGINEER SUBMITTALS (TO BE SIGNED/SEALED BY FLORIDA REGISTERED PROFESSIONAL ENGINEER).
    - PRECAST CONCRETE SHOP DRAWINGS

**ENVIRONMENTAL NOTES**

- THE CONTRACTOR SHALL FURNISH, INSTALL AND MAINTAIN TURBIDITY CONTROL CURTAIN AROUND WORK AREA. THE PURPOSE OF THE CURTAIN IS TO AVOID ANY DEBRIS FROM GOING INTO THE MAIN WATERS. THE CONTRACTOR HAS THE OPTION TO ENCLOSE THE ENTIRE WATERSIDE OF THE SITE, WITHIN THE LIMITS OF DISTURBANCE, OR TO INSTALL AND MOVE THE CURTAIN IN STAGES. THE CONTRACTOR SHALL MAINTAIN SUCH CURTAINS AT ALL TIMES IN THE AREAS WHERE WORK IS IN PROGRESS.
- CONTRACTOR SHALL SUBMIT TURBIDITY CONTROL PLAN FOR REVIEW AND APPROVAL PRIOR TO CONSTRUCTION IN ACCORDANCE WITH REGULATORY PERMITS.
- TURBIDITY BARRIERS SHALL BE MANUFACTURED IN ACCORDANCE WITH FDOT ROADWAY AND TRAFFIC DESIGN STANDARDS INDEX NO. 103.
- DURING WATERSIDE CONSTRUCTION, THE CONTRACTOR SHALL MONITOR THE TURBIDITY LEVELS TO ENSURE THAT STATE WATER QUALITY STANDARDS ARE MAINTAINED AND CONSTRUCTION METHODS ARE IN ACCORDANCE WITH THE PERMITS.
- IF THE COMPLIANCE SAMPLE MEASURES ABOVE THE BACKGROUND SAMPLE, ALL OPERATIONS THAT ARE CAUSING THE WATER QUALITY VIOLATION WILL CEASE, AND THE ENVIRONMENTAL AGENCIES SHALL BE NOTIFIED OF THE VIOLATION (AS REQUIRED IN THE ENVIRONMENTAL PERMITS ISSUED FOR THE PROJECT). WORK THAT IS CAUSING THE WATER QUALITY VIOLATION WILL NOT RECOMMENCE UNTIL SUCH TIME AS THE WATER QUALITY READINGS THE APPROVAL OF THE AGENCIES.
- CONTRACTOR SHALL COMPILER AND SUBMIT MONITORING REPORTS TO OWNER AND TO THE AGENCIES, AS REQUIRED IN THE ENVIRONMENTAL PERMITS.
- CONTRACTOR SHALL UTILIZE DOUBLE TURBIDITY CURTAIN WHEN NECESSARY TO ENSURE PERMIT REQUIREMENTS ARE MET.
- ALL EROSION CONTROL DEVICES SHALL BE IN ACCORDANCE WITH FDOT STANDARD SPECIFICATION 104 AND STANDARD INDEX NO. 102 OF THE FDOT ROADWAY AND TRAFFIC DESIGN STANDARDS.

**30% DRAWINGS**  
2021-09-08  
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NEIGHBORHOOD:

**17th STREET SEAWALL**

TITLE:

**GENERAL NOTES**



CITY MANAGER: JIMMY L. MORALES  
DIRECTOR: ERIC T. CARPENTER, P.E.  
CITY ENGINEER: NELSON PEREZ-JACOME, P.E.

ENG. OF RECORD: T.K.B.  
DESIGN ENGINEER: IWC  
DRAWN BY: HJP  
CHECKER: IWC  
SCALE: AS NOTED

ENGINEER OF RECORD:  
TIM BLANKENSHIP, PE  
FL REG No. 0155910

NO.	DATE	REVISION	APPD. BY
1	10/19/21	DERM REVISIONS	AW

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Survey Reference:  
Field Book: \_\_\_\_\_ Page: \_\_\_\_\_ Work Order: 2016-090/091-KB  
Date: 2021-08-23 Sheet: \_\_\_\_\_ Drawing: **G-002**

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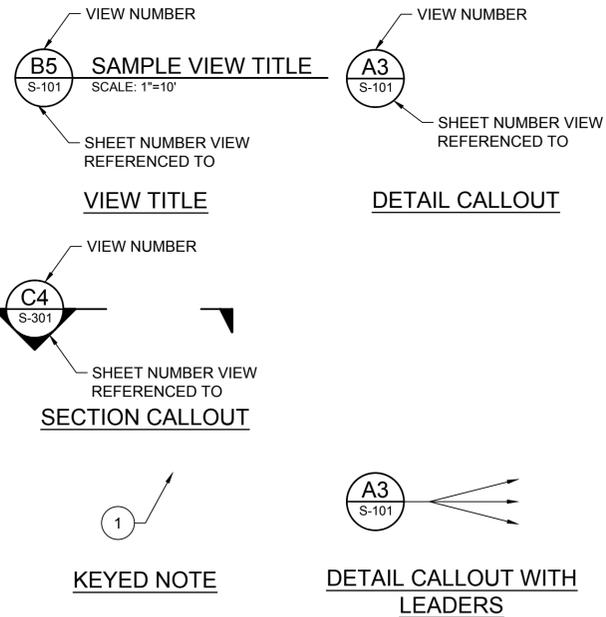
**ABBREVIATIONS**

APPROX	= APPROXIMATE
DBL	= DOUBLE
DN	= DOWN
EA	= EACH
EL	= ELEVATION
EMBED	= EMBEDMENT
EQ	= EQUAL
FDOT	= FLORIDA DEPARTMENT OF TRANSPORTATION
GALV	= GALVANIZED
LG	= LONG
MAX	= MAXIMUM
MHW	= MEAN HIGH WATER
MHHW	= MEAN HIGHER HIGH WATER
MIN	= MINIMUM
MLW	= MEAN LOW WATER
MLLW	= MEAN LOWER LOW WATER
MSL	= MEAN SEA LEVEL
NAD	= NORTH AMERICAN DATUM
NAVD	= NORTH AMERICAN VERTICAL DATUM 88
NIC	= NOT IN CONTRACT
NMFS	= NATIONAL MARINE FISHERIES SERVICE
SPA	= SPACES
SS	= STAINLESS STEEL
SQ	= SQUARE
TYP	= TYPICAL
UON	= UNLESS OTHERWISE NOTED
BL	= BASELINE
CL	= CENTERLINE
'	= MINUTES OR FEET
"	= INCHES
&	= AND
°	= DEGREE
±	= PLUS OR MINUS
∅	= DIAMETER
PL	= PLATE

**STRUCTURAL NOTES**

- ALL CONCRETE MATERIALS, REINFORCEMENT, AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH FDOT SPECIFICATION 346, 400 AND 415 UNLESS OTHERWISE NOTED.
- ALL CONCRETE SHALL HAVE A 0.40 WATER/CEMENT RATIO AND SHALL ATTAIN A MINIMUM CONCRETE STRENGTH OF (f<sub>c</sub>) 5000 PSI AT THE END OF 28 DAYS. FOUR (4) CONCRETE CYLINDERS SHALL BE TAKEN FOR EACH 50 CUBIC YARDS OR FRACTION THEREOF AND SHALL BE TESTED AT 3, 7, AND 28 DAYS. SLUMP SHALL EXCEED 5" (± 1").
- ALL REINFORCEMENT SHALL BE 60000 PSI MINIMUM YIELD (F<sub>y</sub>) NEW BILLET STEEL IN ACCORDANCE WITH ASTM A615 GRADE 60. ALL BAR LAPS SHALL BE A MINIMUM OF 48 BAR DIAMETERS. PLACING OF REINFORCEMENT SHALL CONFIRM TO THE LATEST ACI MANUAL OF STANDARD PRACTICE CODES.
- ALL CONCRETE SHALL BE PLACED WITHIN 90 MINUTES FROM BATCH TIME, AND VIBRATED AS REQUIRED BY THE ACI MANUAL OF CONCRETE PRACTICE, TEMPERATURE OF CONCRETE AT THE TIME OF PLACEMENT SHALL BE BETWEEN 75° AND 100° F.
- ALL CONCRETE SHALL BE A NORMAL WEIGHT CONCRETE (145 pcf).
- MINIMUM CONCRETE PROTECTION FOR REINFORCEMENT, 3" UON.
- PROVIDE 3/4" CHAMFERS ON ALL EXPOSED EDGES AND CORNERS, UON.
- ALL CEMENT SHALL CONFORM TO ASTM C 150, TYPE II FOR AN EXTREMELY AGGRESSIVE ENVIRONMENT, WITH SLAG OR FLY ASH.
- CURE PLACED CONCRETE IN ACCORDANCE WITH FDOT SPECIFICATION 400-16.1. CURE CONCRETE USING CONTINUOUS MOISTURE AND/OR MEMBRANE CURING COMPOUND IN ACCORDANCE WITH FDOT SPECIFICATION 400-16.2.
- CONTRACTOR SHALL REPAIR ALL SURFACE BLEMISHES IN CONCRETE WITHIN 24 HOURS AFTER FORM REMOVAL.
- ALL CONCRETE WORK, PLACEMENT MEANS, AND METHODS SHALL BE IN ACCORDANCE WITH ACI 304-10, 308.1-11 & 347R-03.
- ALL DETAILING, FABRICATION, AND ERECTION OF REINFORCING STEEL SHALL CONFORM TO THE ACI MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES, ACI 315-99, REINFORCING STEEL SHOP DRAWINGS SHALL BE SUBMITTED AND APPROVED PRIOR TO USE IN CONSTRUCTION.
- PROVIDE CONSTRUCTION JOINTS IN CONCRETE BULKHEAD CAP POURS AT 30' OC CONTINUOUS POUR LENGTH SHALL NOT EXCEED 30'. FRESH CONCRETE SHALL NOT BE PLACED AGAINST HARDENED CONCRETE THAT IS LESS THAN 7 DAYS OLD OR LESS THAN 3,750 PSI. CONSTRUCTION JOINT KEYS SHALL BE 2 INCH BY 4 INCH.
- METAL CHAIRS ARE NOT ALLOWED AND NO METAL SHALL PROTRUDE FROM SURFACE OF THE CONCRETE.
- ALL LONGITUDINAL BARS IN CAP SHALL TERMINATE IN STANDARD 90 DEGREE HOOKS AT EACH END.
- WATERSTOP SHALL BE CAST INTO PRECAST DISSIPATER BOX AND CAST-IN-PLACE CAP ALONG PERIMETER OF EACH RECTANGULAR OUTFALL TO PROVIDE A WATER TIGHT SEAL BETWEEN THE TWO STRUCTURES. PROVIDE PREFORMED ELASTOMERIC JOINT SEALER BETWEEN WATERSTOP AND OPENING. PROVIDE ASPHALT IMPREGNATED JOINT FILLER IN REMAINDER OF JOINT.

**LEGEND**

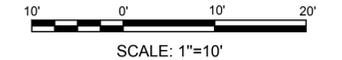
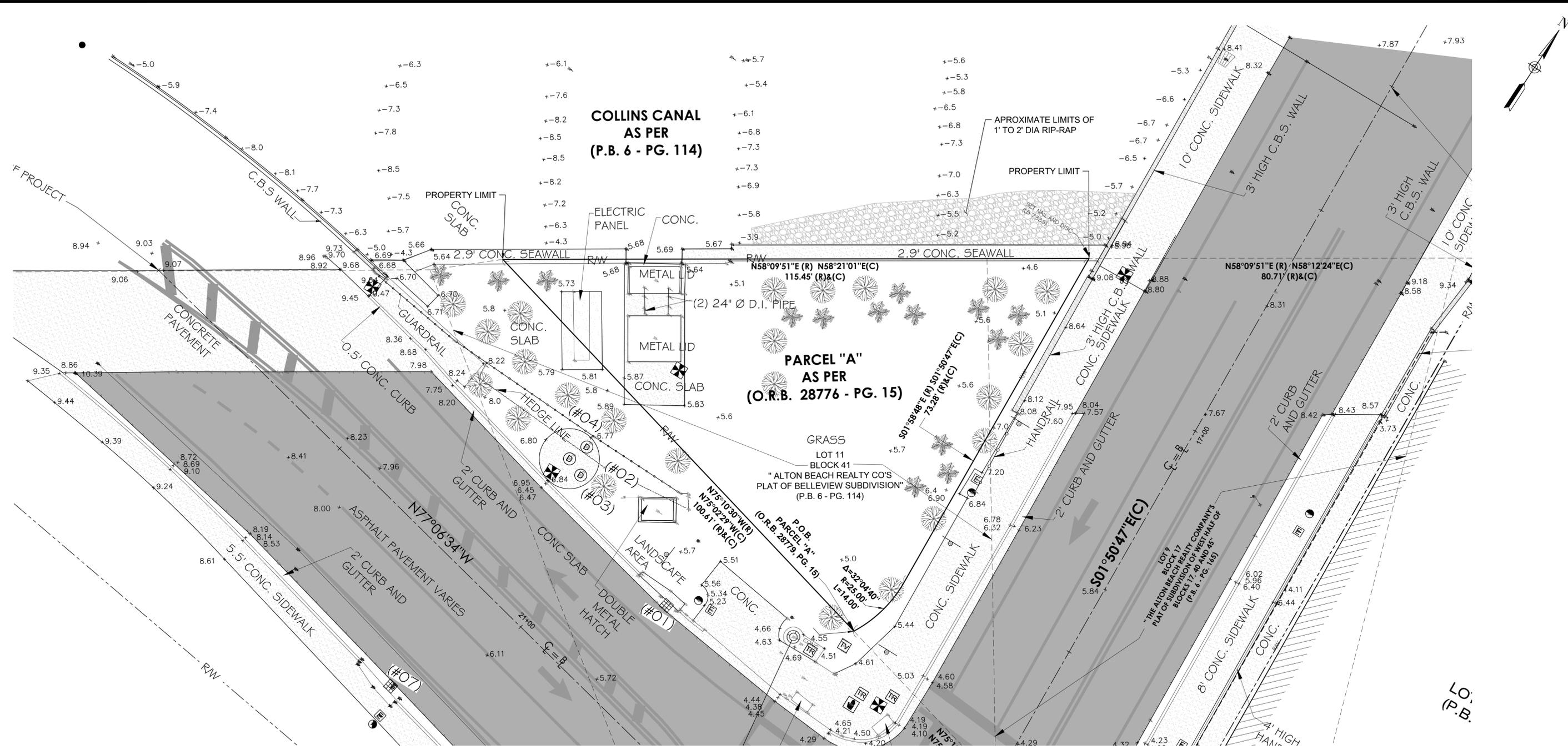


\* VIEW NUMBER IS BASED ON THE (DACS) LOCATION OF THE LOWER-LEFT EXTENTS OF THE VIEW ON THE REFERENCED SHEET. WHEN REFERENCING DRAWING INFORMATION BETWEEN SHEETS, BOTH THE VIEW AND SHEET NUMBERS MUST BE QUOTED TOGETHER - EITHER IN A CALLOUT FORMAT AS SHOWN ABOVE OR IN THE FORM: "VIEW NO./SHEET NO." (EG A1/CS-5001)

**30% DRAWINGS**  
2021-09-08  
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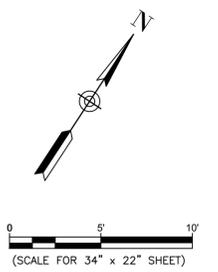
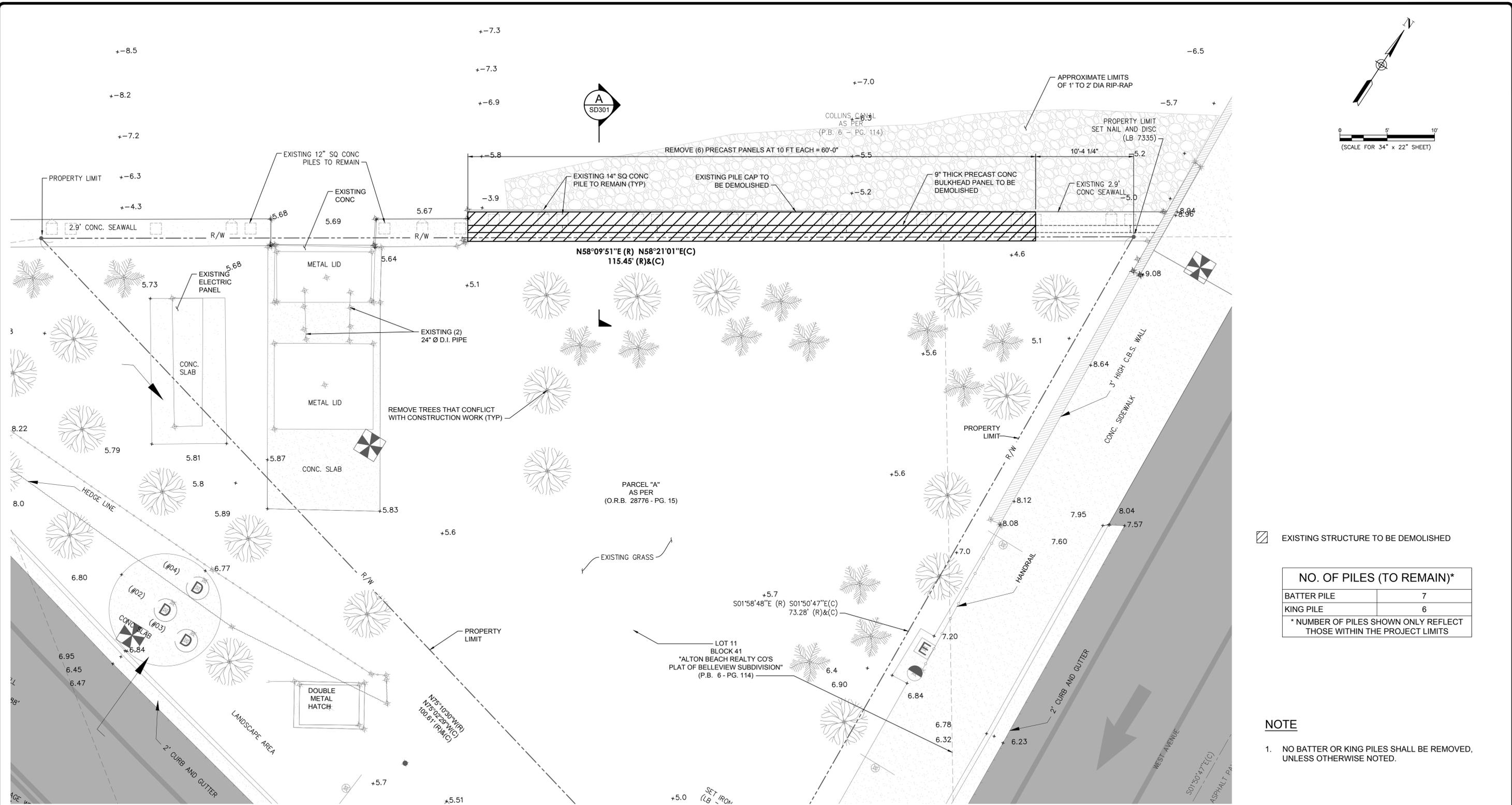
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EXISTING STRUCTURE TO BE DEMOLISHED

NO. OF PILES (TO REMAIN)*	
BATTER PILE	7
KING PILE	6
* NUMBER OF PILES SHOWN ONLY REFLECT THOSE WITHIN THE PROJECT LIMITS	

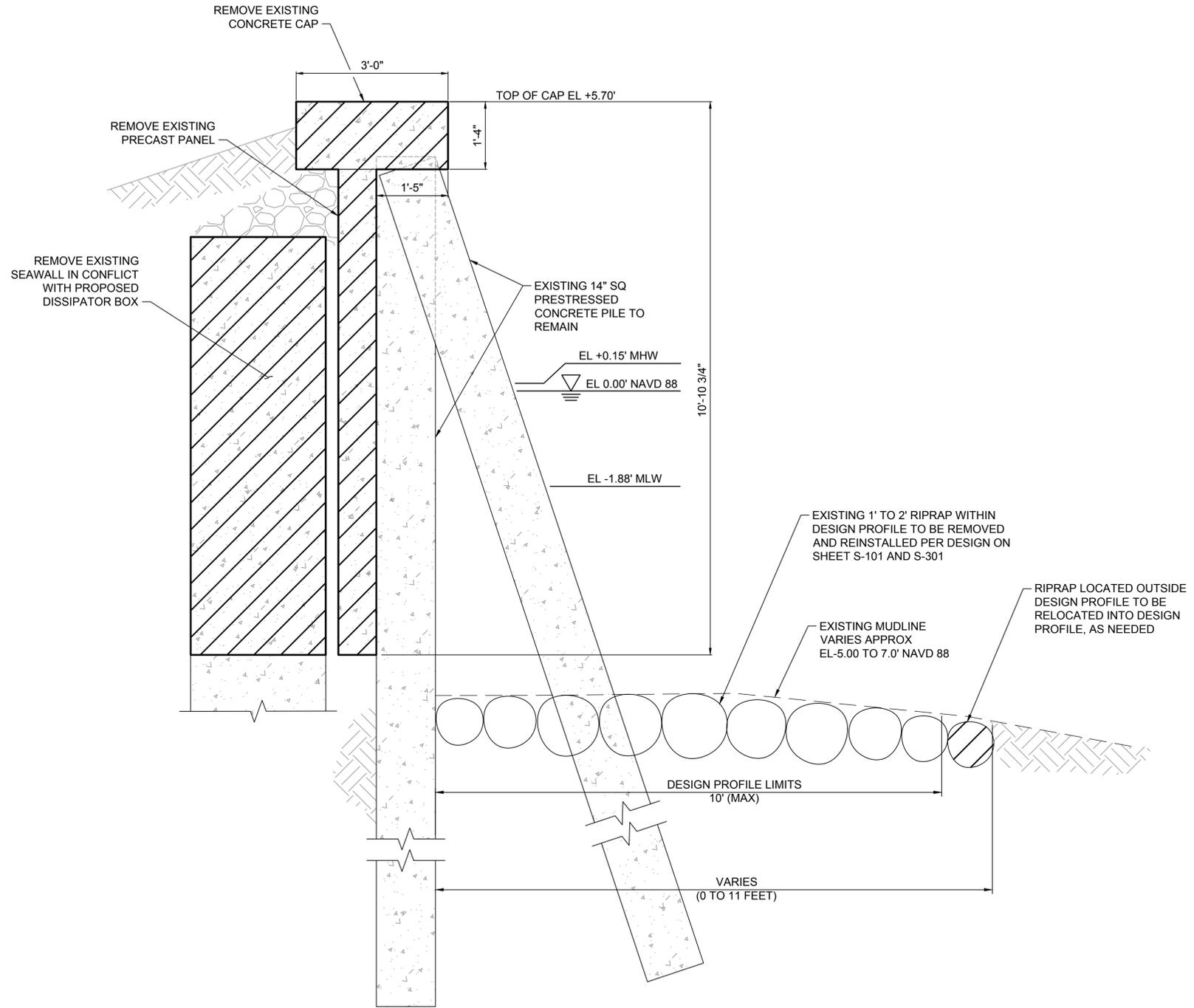
**NOTE**

1. NO BATTER OR KING PILES SHALL BE REMOVED, UNLESS OTHERWISE NOTED.

**30% DRAWINGS**  
 2021-09-08  
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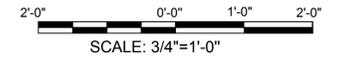
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**LEGEND**  
 DEMOLITION

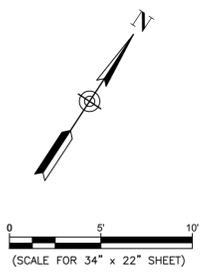
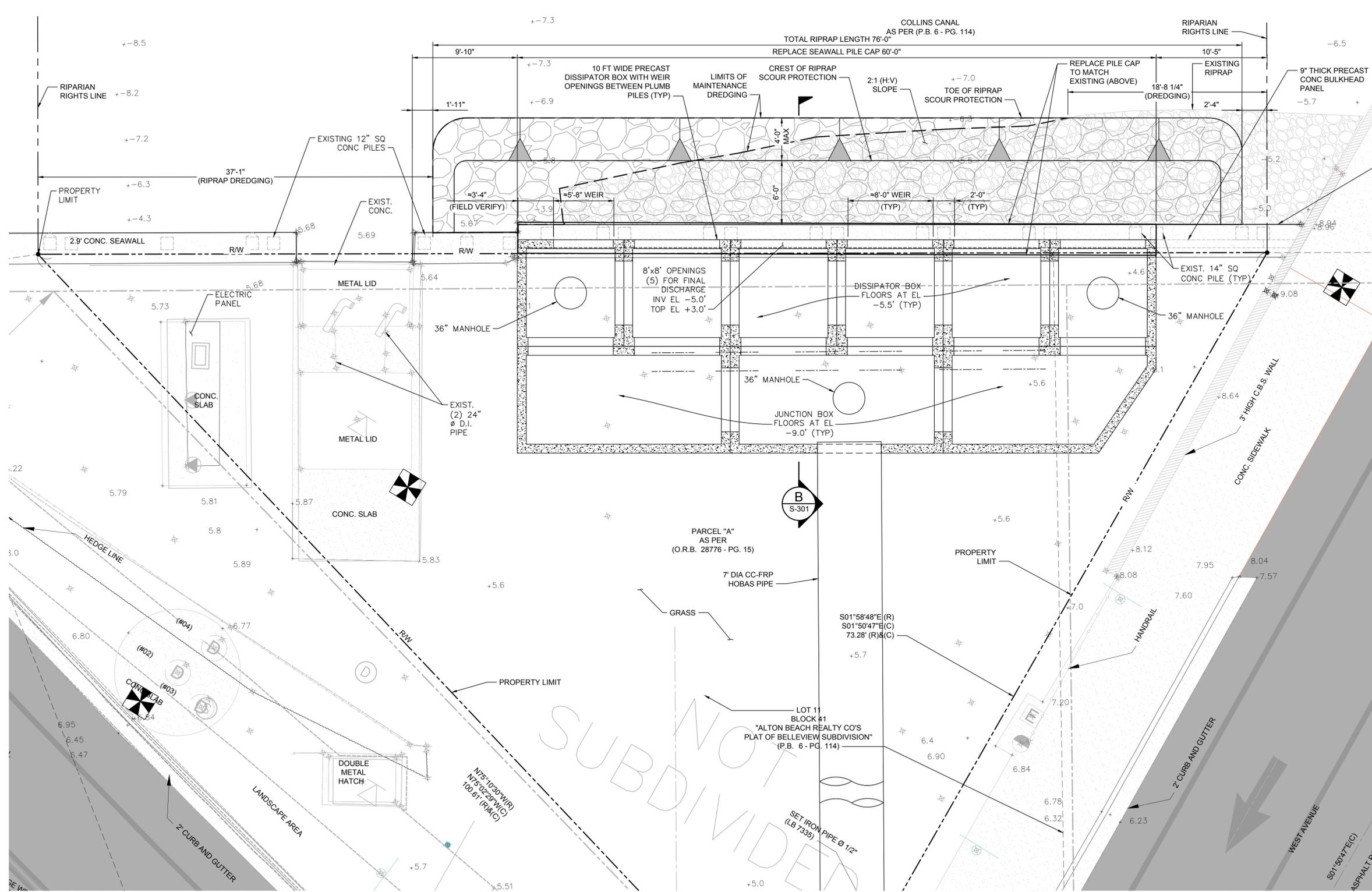
**A** DEMOLITION SECTION  
 SD301 SCALE: 3/4" = 1'-0"



**30% DRAWINGS**  
 2021-09-08  
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**LEGEND**

- RIPRAP SCOUR PROTECTION (NEW)
- RIPRAP SCOUR PROTECTION (REINSTALLED)

**NOTE**

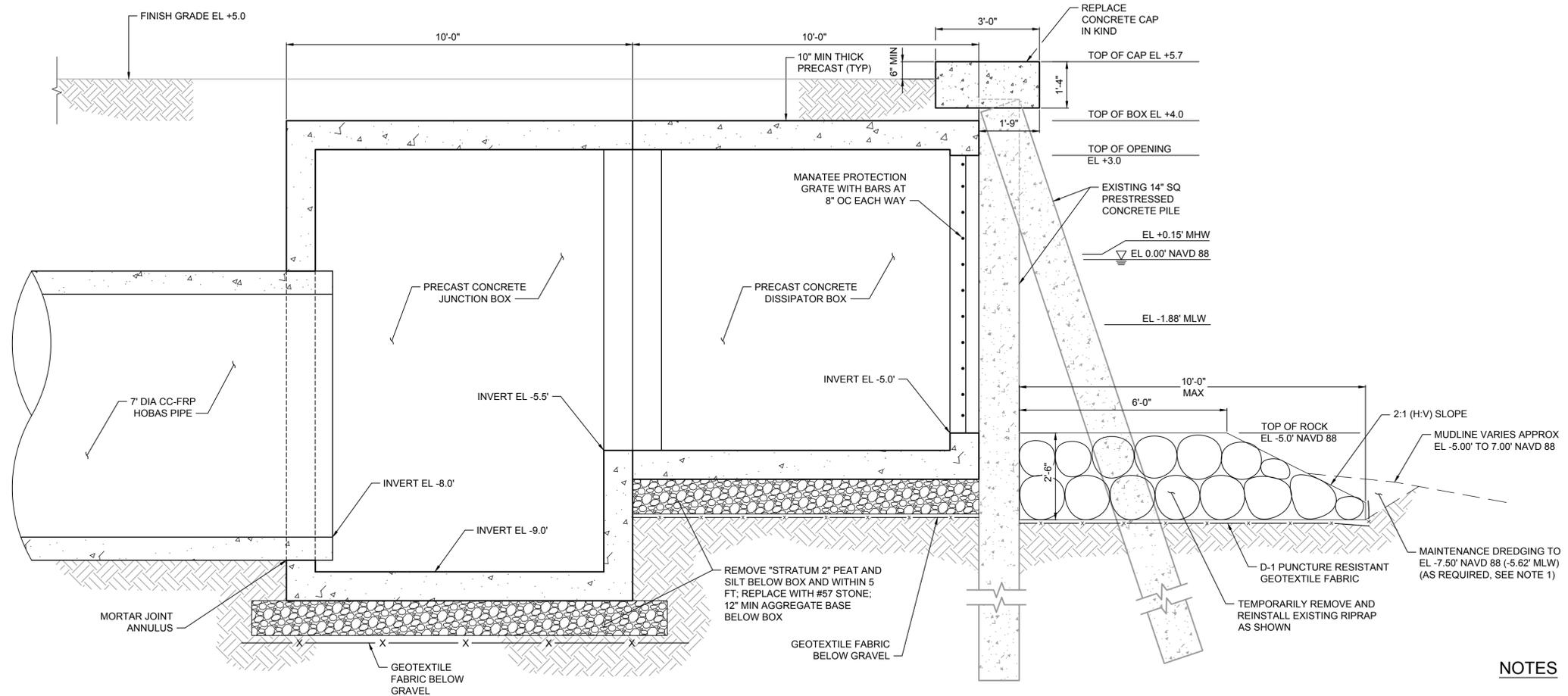
1. NO NEW OR REINSTALLED RIPRAP SHALL BE PLACED GREATER THAN 10 FT FROM THE EXISTING WET FACE OF BULKHEAD OR WET FACE OF THE DISSIPATOR BOX.

CONSTRUCTION QUANTITIES	LENGTH	AREA	VOLUME
MAINTENANCE DREDGING	VARIES	250 SF	16 CY
RIPRAP SCOUR PROTECTION (NEW)	VARIES	250 SF	13 CY
RIPRAP SCOUR PROTECTION (REINSTALLED)	VARIES	510 SF	45 CY
SEAWALL PILE CAP REPLACEMENT	60 LF		

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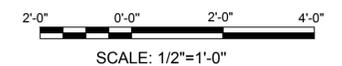
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**B** SECTION - DISSIPATOR BOX AT CENTER LINE OF CULVERT  
 S-301 SCALE: 1/2" = 1'-0"

**NOTES**

1. MAINTENANCE DREDGING IS PROPOSED OUTSIDE OF EXISTING RIPRAP LIMITS SHOWN ON SHEET SD101. REFER TO SHEET S-101 FOR MAXIMUM MAINTENANCE DREDGING VOLUME.
2. WATERWARD FACE OF DISSIPATOR BOX SHALL ALIGN WITH EXISTING WET FACE OF SEA WALL.
3. NO NEW OR REINSTALLED RIPRAP SHALL BE PLACED GREATER THAN 10 FT FROM THE EXISTING WET FACE OF BULKHEAD OR WET FACE OF THE DISSIPATOR BOX.
4. 0.0' NAVD = 1.56 NGVD



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