U.S. Army Corps of Engineers
SAJ-2024-05078(LP-KMM)

1. GENERAL

1.1. THE WORK CONSISTS OF PROVIDING ALL CONSTRUCTION, LABOR, EQUIPMENT, MATERIAL AND OPERATIONS IN CONNECTION WITH THE MARINE WORKS AND RELATED IMPROVEMENTS AS SHOWN ON THESE DRAWINGS.
1.2. ANY DISCREPANCIES IN THE PLANS WITH THE FIELD CONDITIONS SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE ENGINEER. CONSTRUCTION SHALL NOT CONTINUE UNTIL THE ENGINEER HAS ADDRESSED THE DISCREPANCIES.
1.3. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT EXISTING STRUCTURES IN THE PROJECT VICINITY. ANY DAMAGE TO PRIVATE OR PUBLIC PROPERTY WITHIN THE PROJECT VICINITY, INCLUDING STAGING SITES, WORK AND ACCESS AREAS SHALL BE REPAIRED PROMPTLY BY THE CONTRACTOR. ANY DAMAGE AS A RESULT OF THE CONTRACTOR'S OPERATIONS SHALL BE REPAIRED AT NO COST TO THE OWNER. ALL ACCESS AND STAGING AREAS SHALL BE KEPT NEAT, ORDERLY AND IN A SAFE MANNER. ALL ACCESS AND STAGING AREAS SHALL BE RESTORED TO THE PRE-CONSTRUCTION CONDITION UPON PROJECT COMPLETION AT THE COST OF THE CONTRACTOR. THE SITE SHALL BE RESTORED BY REMOVING AND FINISHING ALL EVIDENCE FOR CONSTRUCTION. IN THE EVENT INFRASTRUCTURE (SUCH AS WALKWAYS, SIDEWALKS, FENCES, VEGETATION, ETC.) IS TEMPORARILY REMOVED OR RELOCATED OR THERE IS UNAUTHORIZED DAMAGE TO VEGETATION AND/OR FACILITIES BY THE CONTRACTOR, THE CONTRACTOR SHALL RESTORE ALL DAMAGE TO STRUCTURES AND NATURAL FEATURES TO PRE-CONSTRUCTION CONDITIONS OR BETTER.
1.4. UTILITIES ARE NOT SHOWN IN THE PLANS. CONTRACTOR IS RESPONSIBLE FOR LOCATING ALL PRESENT UTILITIES PRIOR TO CONSTRUCTION.
1.5. CONTRACTOR IS RESPONSIBLE FOR PROVIDING PROPER CLEARANCE AND PROTECTION TO ALL OVERHEAD WIRES AND OBSTRUCTIONS.
1.6. THE CONTRACTOR SHALL EXCLUDE THE PUBLIC FROM THE WORK AREAS IN THE IMMEDIATE VICINITY OF OPERATIONS. CONTRACTOR SHALL PROVIDE APPROPRIATE SAFETY MEASURES TO PROTECT THE PUBLIC.
1.7. ALL NEW STRUCTURAL WORK SHALL BE ACCURATELY FIELD MEASURED AND DIMENSIONS VERIFIED BY THE CONTRACTOR PRIOR TO ORDERING MATERIALS. CONTRACTOR SHALL BE PREPARED TO MAKE FIELD ADJUSTMENTS TO ACCURATELY FIT THE NEW WORK TO EXISTING CONDITIONS.
1.8. NO CONSTRUCTION SHALL COMMENCE UNTIL ALL REQUIRED PERMITS AND APPROVALS HAVE BEEN SECURED AND THE CONTRACTOR HAS BEEN ISSUED NOTICE TO PROCEED.
1.9. ATTENTION IS DIRECTED TO THE FACT THAT THESE PLANS MAY HAVE BEEN CHANGED IN SIZE BY REPRODUCTION. THIS SHOULD BE CONSIDERED WHEN OBTAINING SCALED DATA.
1.10. CONSTRUCTION WORK SHALL BE EXECUTED IN ACCORDANCE WITH ALL LOCAL, STATE, AND NATIONAL BUILDING CODES AND GOVERNING REGULATIONS INCLUDING FDEP, USACE, AND BROWARD COUNTY. CONTRACTOR SHALL ADHERE TO ALL CONDITIONS OF THE PERMITS AND EXEMPTIONS.

2. DESIGN CRITERIA
2.1. FLORIDA BUILDING CODE 2023.
2.2. BULKHEAD LIVE LOAD SURCHARGE LOAD = 100 PSF
2.3. TIDAL DATA FROM NOAA STATION 8722971. VERTICAL DATUM DIAGRAM THIS SHEET

3. SURVEY

3.1. SURVEY PERFORMED BY KEITH & ASSOCIATES DATED SEPTEMBER 27, 2023
3.2. ELEVATIONS ARE IN FEET AND REFERENCED TO NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

4. GEOTECHNICAL DATA
4.1. GEOTECHNICAL REPORT PROVIDED BY NV5, DATED OCTOBER 16, 2023.

5. TIDAL DATA

5.1. CONTRACTOR MAY NEED TO ADJUST HIS WORK PLAN TO ACCOUNT FOR ACTUAL WATER LEVELS AND CHANGING WATER LEVELS. THE SITE MAY BE SUBJECT TO VARIABLE WAVE AND SURGE CONDITIONS AND IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE TEMPORARY SUPPORT FOR MARINE STRUCTURES AND SHORELINE DURING CONSTRUCTION.
5.2. SEE VERTICAL DATUM DIAGRAM THIS SHEET.

6. LAYOUT AND TESTING

6.1. ALL CONSTRUCTION STAKEOUT SHALL BE PERFORMED BY AND PAID FOR BY THE CONTRACTOR UNDER THE SUPERVISION OF A SURVEYOR REGISTERED IN THE STATE OF FLORIDA.
6.2. CONTRACTOR SHALL PROVIDE THE ENGINEER WITH A SET OF AS-BUILT DRAWINGS IN SUFFICIENT DETAIL TO ILLUSTRATE THE HORIZONTAL AND VERTICAL COMPONENTS OF ABOVE AND BELOW-GROUND STRUCTURES RELATIVE TO THE CONSTRUCTION BASELINE. DRAWINGS SHALL BE SIGNED AND SEALED BY A FLORIDA-REGISTERED SURVEYOR.

7. DEMOLITION

7.1. CONTRACTOR SHALL VERIFY THE EXTENTS, LOCATION AND QUANTITIES OF EXISTING ELEMENTS TO BE REMOVED.
7.2. ALL DEBRIS WITHIN THE LIMITS OF THE PROJECT SHALL BE HAULED OFF SITE BY THE CONTRACTOR, AS DIRECTED BY THE OWNER, AND DISPOSED OF AT AN APPROPRIATE FACILITY.
7.3. CONTRACTOR SHALL NOT DAMAGE ANY STRUCTURAL COMPONENTS BEYOND THE DEMOLITION REQUIREMENTS DEPICTED IN THESE DRAWINGS. ANY DAMAGE SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.

8. ENVIRONMENTAL NOTES

8.1. CONTRACTOR SHALL SUBMIT A TURBIDITY CONTROL AND MONITORING PLAN FOR REVIEW AND APPROVAL PRIOR TO CONSTRUCTION IN ACCORDANCE WITH APPROVED PERMITS.
8.2. TURBIDITY CURTAINS SHALL BE DEPLOYED FOR THE PROJECT PER THE PLANS AND THE APPROVED PERMITS.
8.3. TURBIDITY CURTAINS SHALL NOT BE RELOCATED/REMOVED FROM THE PROJECT AREA UNTIL LEVELS WITHIN ENCLOSED AREA RETURN TO BACKGROUND LEVELS OUTSIDE THE CURTAINS.
8.4. TURBIDITY CURTAINS SHALL EXTEND TO WITHIN 1 FOOT OF THE MUDLINE.
8.5. TURBIDITY CURTAINS SHALL BE SECURED WITH TEMPORARY STEEL OR TIMBER PILINGS AT SUFFICIENT SPACING TO MAINTAIN CONTROL FUNCTIONS. ALL LINES SHALL BE TAUT AND NON-LOOPING TO PREVENT WILDLIFE ENTANGLEMENT.
8.6. CONSTRUCTION PERSONNEL SHALL OBSERVE ANY ESA-LISTED SPECIES OR MARINE MAMMALS. IF ANY INTERACTION OCCURS, THE INCIDENT WILL BE IMMEDIATELY REPORTED TO THE APPROPRIATE AGENCY. VESSEL OPERATORS SHALL OPERATE AT "IDLE SPEED/ NO WAKE" AT ALL TIMES WHILE OPERATING IN WATER DEPTHS WITH LESS THAN 4-FOOT CLEARANCE, OR IF A PROTECTED SPECIES HAS BEEN OBSERVED. ALL VESSELS SHALL FOLLOW MARKED CHANNEL ROUTES. OPERATION OF MECHANICAL EQUIPMENT SHALL CEASE IF A PROTECTED SPECIES IS OBSERVED WITHIN A 50-FOOT RADIUS OF CONSTRUCTION EQUIPMENT AND SHALL RESUME ONLY WHEN THE SPECIES HAS LEFT THE AREA OF ITS OWN VOLITION.
8.7. THE CONTRACTOR SHALL NOT ANCHOR, PLACE PIPELINE, OR STAGE EQUIPMENT IN A MANNER THAT WILL CAUSE ANY DAMAGE TO MARINE RESOURCES. ANCHORING, OR STAGING EQUIPMENT SHALL AVOID THESE SENSITIVE AREAS. IF SUCH ACTIVITIES CANNOT BE DONE WITHOUT AFFECTING THESE SENSITIVE AREAS, THE ACTIVITIES SHALL CEASE AND THE ENGINEER SHALL BE NOTIFIED IMMEDIATELY (NO LATER THAN THE MORNING FOLLOWING THE NEXT WORKING DAY IF THE INCIDENT OCCURS AFTER NORMAL WORKING HOURS). ANY ACTUAL OR POTENTIAL INCIDENT INVOLVING DAMAGE TO, OR DISTURBANCE OF, SEAGRASSES SHALL BE REPORTED.

9. SUBMITTALS

9.1. ALL SHOP DRAWINGS MUST BEAR EVIDENCE OF THE CONTRACTOR'S APPROVAL PRIOR TO SUBMITTING TO THE ENGINEER.
9.2. THE FOLLOWING MINIMUM SUBMITTALS SHALL BE PREPARED BY THE CONTRACTOR AND SUBMITTED TO THE ENGINEER FOR REVIEW AND APPROVAL PRIOR TO RELATED CONSTRUCTION ACTIVITY:
- SCHEDULE FOR COMPLETION OF WORK WITH TASKS AND DURATIONS DEFINED
- DEMOLITION METHODS AND DISPOSAL PLAN
- HARDWARE
- EPOXY
- OUTFALL PILE SPLICE PLAN
- BACKFILL
- CONCRETE MIX DESIGN
- REINFORCING STEEL
- TURBIDITY CONTROL AND MONITORING PLAN
- STEEL SHEET PILING
- STEEL SHEET PILING COATING
- PILE DRIVING EQUIPMENT AND METHODOLOGY
- CURING METHODS
- GUARDRAIL (SPECIALITY ENGINEERED ITEM)
- LIVING SEAWALL MODULES
- FRP PILE JACKET
- PILE PLAN FOR JACKETED PILES
- PREFABRICATED DOCK ACCESS RAMP AND STAIRS SHOP DRAWINGS (SPECIALITY ENGINEERED ITEM)

10. EARTH WORKS (EXCAVATION AND BACKFILL)

10.1. EXCAVATED MATERIAL MAY BE TEMPORARILY STOCKPILED IN THE STAGING AREA FOR OFF-SITE DISPOSAL AT AN APPROVED UPLAND FACILITY.
10.2. BACKFILL SHALL BE CLEAN GRAVEL (#57 STONE).
10.3. BACKFILL SHALL BE TOPPED WITH 6" OF CLEAN TOPSOIL AND SODDED TO MEET THE GRADES SPECIFIED HEREIN.
10.4. DAMAGED OR REMOVED VEGETATION SHALL BE RESTORED IN-KIND TO PRE-PROJECT CONDITION.

11. CONCRETE

11.1. FORMS FOR THIS WORK SHALL BE MADE OF EITHER WOOD OR METAL. THEY SHALL BE STRAIGHT AND FREE OF WARP OR BENDS. THEY SHALL HAVE SUFFICIENT STRENGTH AND RIGIDITY, WHEN STAKED, TO RESIST THE PRESSURE OF THE CONCRETE WITHOUT SPRINGING. IF WOODEN FORMS ARE USED, THEY SHALL BE OF ADEQUATE SECTION AND SHALL HAVE A FLAT SURFACE ON TOP. FORMS SHALL HAVE A DEPTH AT LEAST EQUAL TO THE VERTICAL DIMENSIONS FOR THE DEPTH OF THE CONCRETE BEING DEPOSITED AGAINST THEM. WHEN READY FOR THE CONCRETE TO BE DEPOSITED, THEY SHALL NOT VARY FROM THE APPROVED LINE AND GRADE, AND SHALL BE KEPT SO UNTIL THE CONCRETE HAS SET.
11.2. JUST PRIOR TO PLACING THE CONCRETE ANY WOODEN FORMS SHALL BE MOISTENED AND ALL STEEL REINFORCING SHALL BE RINSED WITH FRESH WATER. THE CONCRETE SHALL BE PLACED IN THE FORMS AND TAMPED IN PLACE SO THAT ALL HONEYCOMBS WILL BE ELIMINATED AND SUFFICIENT MORTAR BROUGHT TO A SMOOTH EVEN FINISH BY MEANS OF A FLOAT.
11.3. CONTRACTOR SHALL BE PREPARED TO PLACE CONCRETE OF LOWER MEMBERS OF THE MARINE STRUCTURES IN SUBMERGED CONDITIONS UTILIZING TREMIE METHODS AT NO ADDITIONAL COST.
11.4. NO CONCRETE SHALL BE POURED DURING UNFAVORABLE WEATHER OR SEA CONDITIONS.
11.5. ALL STEEL SHALL HAVE A MINIMUM OF 3 INCHES CONCRETE COVER, UNLESS OTHERWISE NOTED.
11.6. CAST-IN-PLACE CONCRETE SHALL BE A MINIMUM OF 5,500 PSI COMPRESSIVE STRENGTH AT 28 DAYS. WATER CEMENT RATIO (W/C) SHALL BE LESS THAN OR EQUAL TO 0.4. PROVIDE MIX DESIGN FOR A CLASS IV CONCRETE FOR AN EXTREMELY AGGRESSIVE (MARINE) ENVIRONMENT IN ACCORDANCE WITH FDOT SPECIFICATIONS. PROVIDE SUFFICIENT AMOUNT OF FLY ASH AND SILICA FUME TO THE CEMENT CONTENT. CONTRACTOR SHALL PROVIDE MIX DESIGN TO ENGINEER FOR APPROVAL 10 DAYS PRIOR TO CONCRETE PLACEMENT.
11.7. NO WATER SHALL BE ADDED TO CONCRETE AT THE JOB SITE UNLESS AUTHORIZED BY THE ENGINEER OR SPECIAL INSPECTOR.
11.8. WHEN SURFACE FINISHING IS COMPLETED, THE STRUCTURE SHALL BE PROTECTED AGAINST WAVE SPLASH FOR TWO DAYS AND CURED PER APPLICABLE PARAGRAPHS OF SECTION 400-16 OF THE FDOT STANDARD SPECIFICATIONS. CURING SHALL OCCUR FOR AT LEAST 7 DAYS.
11.9. A SURFACE PENETRANT SEALER OF ALKYL-ALKOXY SILANE CLASSIFICATION, SUCH AS BASF ENVIROSEAL, OR APPROVED EQUAL SHALL BE APPLIED ALL EXPOSED CONCRETE.
11.10. APPLY SIKA ARMATEC 110 BONDING AGENT, OR APPROVED EQUAL, AT CONSTRUCTION JOINTS PRIOR TO PLACEMENT OF NEW CONCRETE.
11.11. COMPONENTS NOT CONSTRUCTED ACCORDING TO THESE SPECIFICATIONS SHALL BE REMOVED AND REPLACED PROPERLY AT THE EXPENSE OF THE CONTRACTOR.
11.12. THE FACES OF THE FINISHED STRUCTURES SHALL BE TRUE, STRAIGHT, AND OF UNIFORM WIDTH, FREE FROM HUMPS, SAGS, OR OTHER IRREGULARITIES EXCEPT AS SPECIFIED IN THE PLANS. THE CONTRACTOR SHALL REPLACE ANY DEFICIENT SEGMENTS.
11.13. THE CONTRACTOR SHALL SUPPLY A SUFFICIENT NUMBER OF EXPERIENCED CONCRETE FORMWORKERS AND FINISHERS IN ORDER TO COMPLETE THE WORK. A CONCRETE FOREMAN WHO HAS A THOROUGH UNDERSTANDING OF THE PLANS, SPECIFICATIONS, AND REFERENCED SPECIFICATIONS SHALL SUPERVISE ALL FORMWORKERS AND FINISHERS. NO SUB-STANDARD WORKMANSHIP WILL BE ACCEPTED.
11.14. CONCRETE DELIVERED FROM A READY MIX PLANT SHALL BE TRANSPORTED IN ACCORDANCE TO FDOT SECTION 345-13. CONCRETE THAT IS NOT PLACED IN THE FORM WITHIN THE SPECIFIED TIME LIMITS WILL BE REJECTED AND NOT INCLUDED IN THE WORK. CONTRACTOR SHALL BEAR ALL COSTS FOR REJECTED CONCRETE. CONCRETE SHALL NOT BE PLACED IN THE FORMS UNTIL THE REINFORCING STEEL PLACEMENT HAS BEEN APPROVED BY THE ENGINEER.
11.15. THE CONTRACTOR SHALL HAVE AN INDEPENDENT TESTING LABORATORY TEST THE CONCRETE USED IN THE WORK. THE TEST SHALL INCLUDE 7, 14, AND 28 DAY COMPRESSIVE STRENGTH TESTS. THE RESULTS SHALL BE SUPPLIED TO THE ENGINEER. THE TESTS SHALL BE IN ACCORDANCE WITH ASTM C31, C39, AND C617.
11.16. ADHESIVE BONDED DOWELS SHALL BE INSTALLED IN ACCORDANCE WITH FDOT SECTION 416.

12. REINFORCEMENT

12.1. STEEL
12.1.1. ALL REINFORCING STEEL SHALL CONFORM TO ASTM A615, GRADE 60, DEFORMED BARS FREE FROM LOOSE RUST AND SCALE.
12.1.2. STEEL SHALL BE PLACED AS SHOWN IN THE PLANS. ALL ACCESSORIES SHALL BE PLASTIC. ALL REINFORCING STEEL SHALL BE ACCURATELY LOCATED AND FIRMLY HELD IN PLACE BEFORE AND DURING THE PLACEMENT OF CONCRETE.
12.1.3. CONTRACTOR SHALL ADVISE ENGINEER OF THE REQUIRED REINFORCING STEEL SITE REVIEW AT LEAST 24 HOURS PRIOR TO PLACING OF CONCRETE.
12.1.4. CONTRACTOR TO ALLOW FOR 5% ADDITIONAL REINFORCING FOR ENGINEER TO USE AT HIS DISCRETION DURING CONSTRUCTION. ANY UNUSED PORTION SHALL BE CREDITED BACK TO OWNER UPON COMPLETION OF PROJECT.

13. STRUCTURAL STEEL

13.1. WELD ELECTRODES SHALL BE E70.
13.2. STAINLESS STEEL DOWELS SHALL CONFORM TO ASTM 316.

14. STEEL SHEET PILING

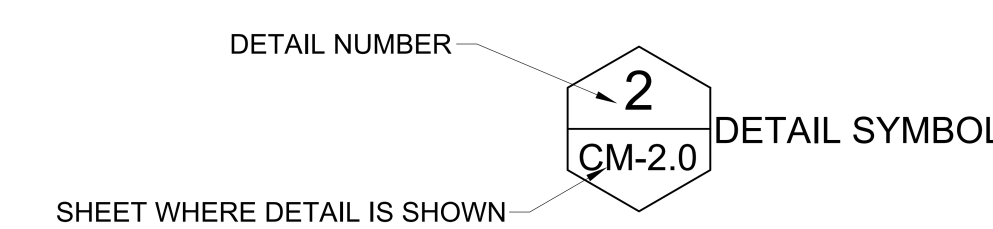
14.1. STEEL SHEET PILING SHALL HAVE A MIN. YIELD STRENGTH FY=60KSI AND SHALL CONFORM WITH ASTM 572
14.2. ALL PILES SHALL BE DRIVEN TO THE TIP ELEVATIONS INDICATED ON THE PLANS HEREIN UNLESS OTHERWISE APPROVED BY THE ENGINEER.
14.3. TOP 13' OF STEEL SHEET PILE WET FACE SHALL BE SHOP COATED WITH 2 COATS OF TNEMIC COAL TAR EPOXY, TO ACHIEVE A MIN. OF 16 MILS TOTAL DRY FILM THICKNESS
14.4. STEEL SHEET PILE WET FACE TO BE FIELD-COATED WITH COAL TAR BITINUM IF SHOP APPLIED COATING IS DAMAGED.
14.5. CONTRACTOR TO ENSURE THE AXIAL ALIGNMENT OF THE STEEL SHEET PILES DOES NOT DEVIATE BY MORE THAN 1/4 INCHES PER FOOT FROM THE VERTICAL LINE INDICATED IN THE PLANS AND NOT DEVIATE MORE THAN 3" FROM LOCATION SHOWN ON PLAN.
14.6. STEEL SHEET PILES INSTALLED IN VICINITY OF UPLAND PUMP HOUSE SHALL MAINTAIN MIN. 10' CLEARANCE FROM PUMP HOUSE FOUNDATIONS.

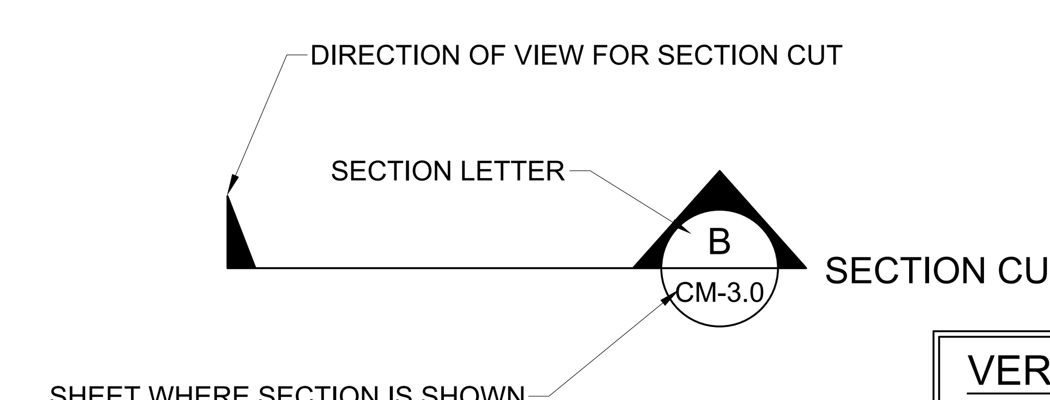
15. STEEL SHEET PILING ACCESSORIES

15.1. LIVING SEAWALL MODULES VENDOR CONTACT.
15.1.1. KIND DESIGNS
3007 NW SOUTH RIVER DR
MIAMI, FL 33142
(305)851-1133

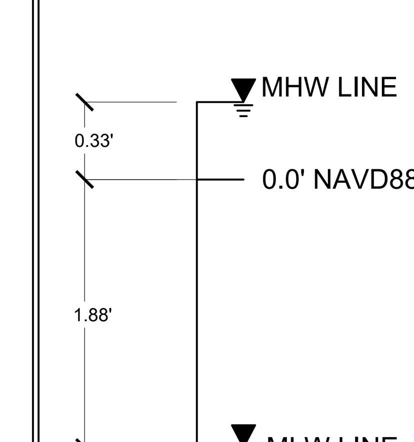
LIVING SEAWALL MODULE VENDOR:
KIND DESIGNS
3007 NW SOUTH RIVER DR.
MIAMI FL, 33142
(305) 851-1133

ABBREVIATIONS	
ACI	AMERICAN CONCRETE INSTITUTE
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS
B/	BOTTOM OF
CONT	CONTINUOUS
CONT'D	CONTINUED
CJ	CONTROL JOINT
CTR	CENTER
EJ	EXPANSION JOINT
FDEP	FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
FDOT	FLORIDA DEPARTMENT OF TRANSPORTATION
JNT	JOINT
KSI	KIPS PER SQUARE INCH
MHW	MEAN HIGH WATER
MIN	MINIMUM
MLW	MEAN LOW WATER
NAVD	NORTH AMERICAN VERTICAL DATUM
NGVD	NATIONAL GEODETIC VERTICAL DATUM
PERA	PERMITTING, ENVIRONMENT, AND REGULATORY AFFAIRS
PSI	POUNDS PER SQUARE INCH
S/W	SIDEWALK
T/	TOP OF
TYP	TYPICAL
USACE	UNITED STATES ARMY CORPS OF ENGINEERS
W/C	WATER/CEMENT RATIO





VERTICAL DATUM
NOAA STA. 8722971



NTS

PROJECT:
CITY OF HOLLYWOOD TIDAL FLOODING MITIGATION AND SHORELINE PROTECTION PROJECT: SITE 20

PROJECT NO. DCM-001187

CLIENT:
CITY OF HOLLYWOOD, FL DEPARTMENT OF DESIGN AND CONSTRUCTION MANAGEMENT
2600 HOLLYWOOD BLVD.
HOLLYWOOD FL. 33020

PRIME CONSULTANT:
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FORT LAUDERDALE, FL 333..
TEL: 9..-...-1646
C.O.A. #29..2

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HOLLYWOOD, FL 33021
TEL: 954-610-4412

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GEOTECHNICAL ENGINEER
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KEITH & ASSOCIATES
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POMPANO BEACH, FL 33060
TEL: 954-788-3400

CHEN MOORE AND ASSOC.
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TEL: 954-834-3533

ISSUE	DATE	SUBMISSION / REVISION
	01/31/2025	80% CONSTRUCTION DRAWINGS

CC PROJECT NO:	84300
DRAWN	SV
CHECKED	MG
SCALE	SCALES PERTAIN TO 22"x34 SHEET SIZE

SHEET TITLE
GENERAL NOTES

CM-1.1

DACW17-9-25-0087
CITY OF HOLLYWOOD
EXHIBIT "B"
PG 3 OF 18

J:\Projects\84300 Hollywood Tidal Flooding & Shoreline\03 - Drawings\SITES\84300 - SITE 20\Construction Drawings\(2025-1-30) 90% C- 84300 HOLLYWOOD SITE 20.dwg

LEGEND:

B.C.R	BROWARD COUNTY RECORDS
BLDG.	BUILDING
CBS	CONCRETE BLOCK & STUCCO
CLF	CHAIN LINK FENCE
CMP	CORRUGATED METAL PIPE
CONC.	CONCRETE
E.	EAST
ELEV.	ELEVATION
F.F.E.	FINISHED FLOOR ELEVATION
GIS	GEOGRAPHIC INFORMATION SYSTEM
GPS	GLOBAL POSITIONING SYSTEM
INV.	INVERT
LB	FLORIDA LICENSED BUSINESS NUMBER
N.	NORTH
NO.	NUMBER
P.B.	PLAT BOOK
PG.	PAGE
PVC	POLYVINYL CHLORIDE PIPE
S.	SOUTH
STY.	STORY
T.O.B.	TOP OF BAFFLE
TOB	TOP OF BANK
TOE	TOP OF SLOPE
TYP.	TYPICAL
UTD	UNABLE TO DETERMINE
W.	WEST

SYMBOLS:

AC AIR CONDITIONER
ANTENNA
BFP BACK FLOW PREVENTER
BNCH BENCH
BM BENCHMARK
BOAT CLEAT
BOLLARD
CABLE TELEVISION RISER
CB CATCH BASIN
CONCRETE LIGHT POLE
C CONCRETE POWER POLE
DECORATIVE LIGHT
E ELECTRICAL HAND HOLE
ELECTRICAL METER
ELECTRICAL OUTLET
TRANS ELECTRICAL TRANSFORMER
FLAG POLE
GF GAS FILLING
G GAS PUMP
HANDICAP PARKING
IR IRRIGATION BOX
IRRIGATION CONTROL VALVE
MB MAILBOX
LADDER LADDER
METAL SUPPORT POST

SYMBOLS:

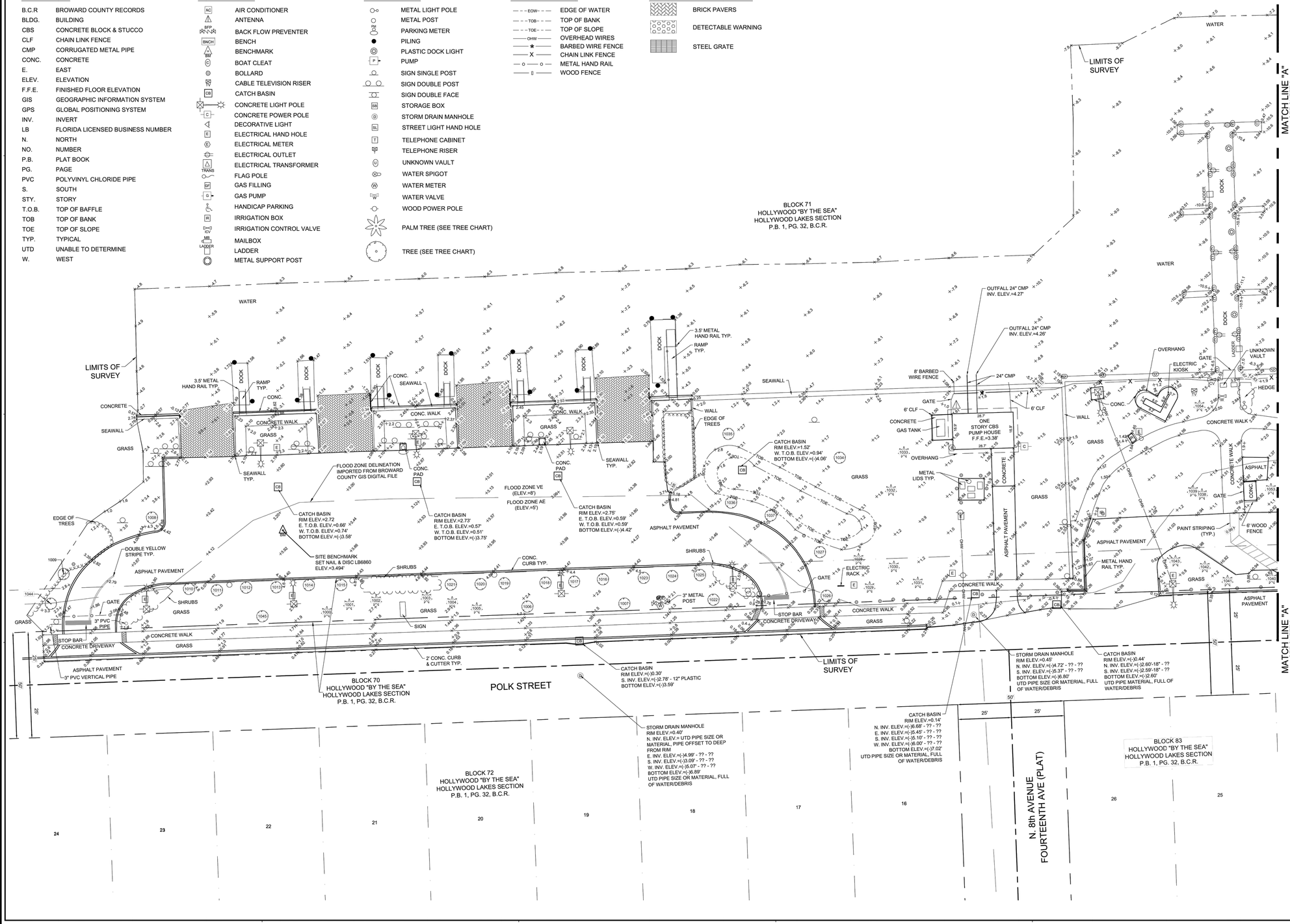
METAL LIGHT POLE
METAL POST
PM PARKING METER
PILING
PLASTIC DOCK LIGHT
P PUMP
SIGN SINGLE POST
SIGN DOUBLE POST
SIGN DOUBLE FACE
SB STORAGE BOX
D STORM DRAIN MANHOLE
SL STREET LIGHT HAND HOLE
T TELEPHONE CABINET
TELEPHONE RISER
U UNKNOWN VAULT
WATER SPIGOT
W WATER METER
WV WATER VALVE
WOOD POWER POLE
PALM TREE (SEE TREE CHART)
TREE (SEE TREE CHART)

LINE TYPES:

EOW EDGE OF WATER
TOB TOP OF BANK
TOE TOP OF SLOPE
OHW OVERHEAD WIRES
BARBED WIRE FENCE
X CHAIN LINK FENCE
METAL HAND RAIL
WOOD FENCE

HATCH PATTERNS:

BRICK PAVERS
DETECTABLE WARNING
STEEL GRATE



KEITH
301 East Atlantic Blvd. Pompano Beach, FL 33060
PH: (954) 788-3400
Florida Certificate of Authorization: 7928
Licensed Business Number: 6860

REVISIONS

NO.	DESCRIPTION	DATE

DATE:	09/27/23
DRAWN BY:	DDB
CHECKED BY:	DAS
FIELD BOOK:	1072/1073/1104

N

GRAPHIC SCALE
0 20 40
SCALE: 1" = 20 '
NOTE: PRINTED DRAWING SIZE MAY HAVE CHANGED FROM ORIGINAL. VERIFY SCALE USING BAR SCALE ABOVE.

HOLLYWOOD TIDAL FLOODING MITIGATION SITE NO. 20
A PORTION OF POLK STREET, AND PORTIONS OF BLOCKS 70, 71, & 88 HOLLYWOOD "BY THE SEA" HOLLYWOOD LAKES SECTION
PLAT BOOK 1, PAGE 32, B.C.R.

SHEET TITLE
HYDROGRAPHIC & TOPOGRAPHIC SURVEY

SHEET NUMBER	2 OF 4
PROJECT NUMBER	11162.04

NOTE:
SURVEY BY KEITH & ASSOCIATES. SHOWN FOR REFERENCE ONLY. NTS.

PROJECT:
CITY OF HOLLYWOOD TIDAL FLOODING MITIGATION AND SHORELINE PROTECTION
PROJECT: SITE 20

PROJECT NO. DCM-001187

CLIENT:
CITY OF HOLLYWOOD, FL
DEPARTMENT OF DESIGN AND CONSTRUCTION MANAGEMENT
2600 HOLLYWOOD BLVD.
HOLLYWOOD FL. 33020

DWG 9-25-08
CITY OF HOLLYWOOD
EXHIBIT "B"
PG 4 OF 18

PRIME CONSULTANT:
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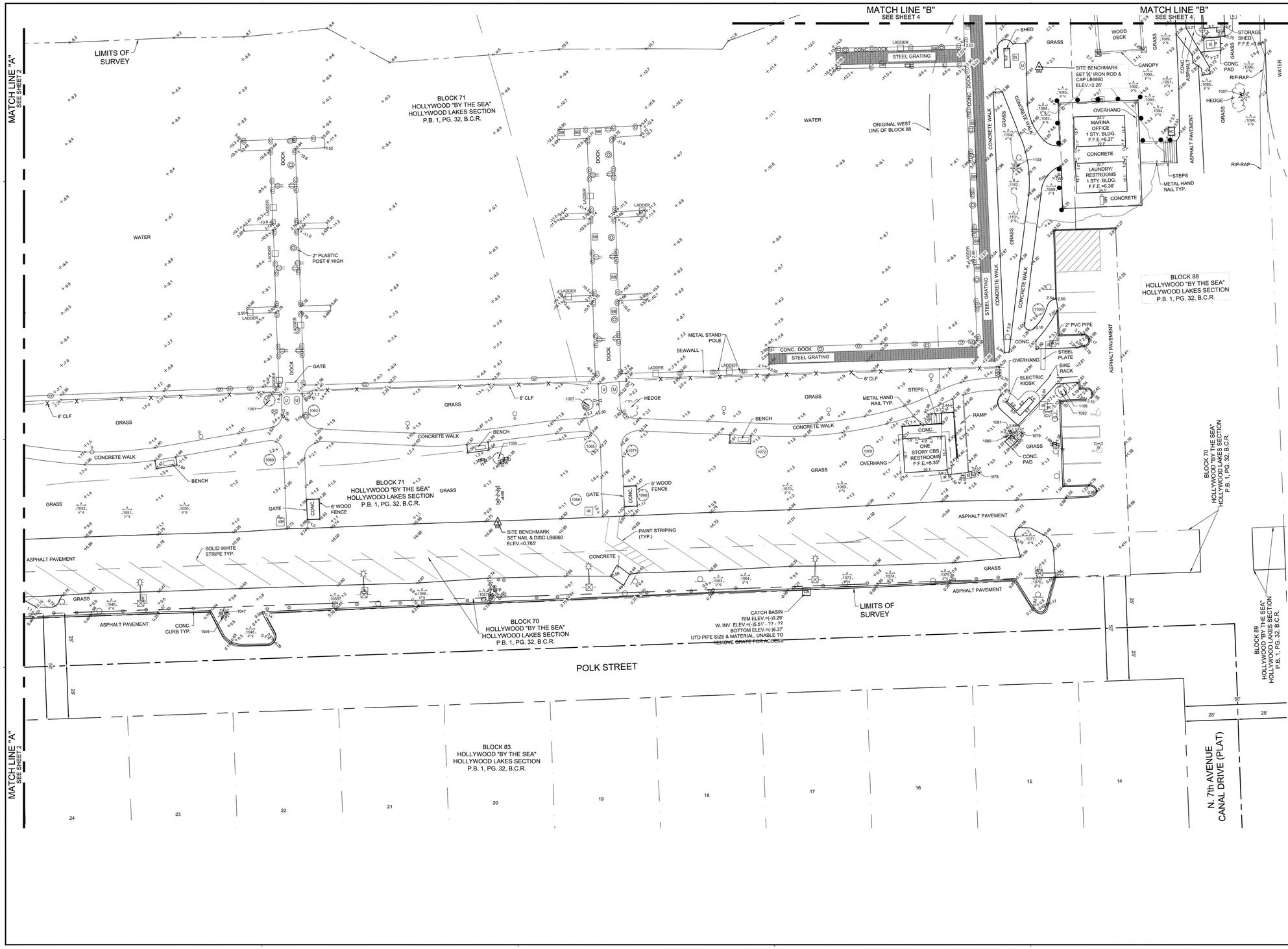
ISSUE	DATE
80% CONSTRUCTION DRAWINGS SUBMISSION / REVISION	01/31/2025

CC PROJECT NO:	84300
DRAWN	SV
CHECKED	MG
SCALE	SCALES PERTAIN TO 22"x34 SHEET SIZE

SHEET TITLE
SURVEY (1 OF 3)

CM-1.2

J:\Projects\84300 Hollywood Tidal Flooding & Shoreline\03 — Drawings\SITES\84300 — SITE 20\Construction Drawings\(2025-1-30) 90% C— 84300 HOLLYWOOD SITE 20.dwg



KEITH
301 East Atlantic Blvd. Pompano Beach, FL 33060
PH: (954) 788-3400
Florida Certificate of Authorization: 7928
Licensed Business Number: 6860

REVISIONS

NO.	DESCRIPTION	DATE

DATE:	09/27/23
DRAWN BY:	DDB
CHECKED BY:	DAS
FIELD BOOK:	1072/1073/1104

N

GRAPHIC SCALE
0 20 40
SCALE: 1" = 20 '
NOTE: PRINTED DRAWING SIZE MAY HAVE CHANGED FROM ORIGINAL. VERIFY SCALE USING BAR SCALE ABOVE.

HOLLYWOOD TIDAL FLOODING MITIGATION
SITE NO. 20
A PORTION OF POLK STREET, AND PORTIONS OF BLOCKS 70, 71, & 88
HOLLYWOOD "BY THE SEA"
HOLLYWOOD LAKES SECTION
PLAT BOOK 1, PAGE 32, B.C.R.

SHEET TITLE
HYDROGRAPHIC & TOPOGRAPHIC SURVEY

SHEET NUMBER	3 OF 4
PROJECT NUMBER	11162.04

NOTE:
SURVEY BY KEITH & ASSOCIATES. SHOWN FOR REFERENCE ONLY. NTS.

PROJECT:
CITY OF HOLLYWOOD TIDAL FLOODING MITIGATION AND SHORELINE PROTECTION
PROJECT: SITE 20

PROJECT NO. DCM-001187

CLIENT:
CITY OF HOLLYWOOD, FL
DEPARTMENT OF DESIGN AND CONSTRUCTION MANAGEMENT
2600 HOLLYWOOD BLVD.
HOLLYWOOD, FL. 33020

PRIME CONSULTANT:
CUMMINS CEDERBERG
COASTAL, MARINE & ENVIRONMENTAL
888 S. ANDREWS AVE. STE. 406
FORT LAUDERDALE, FL 33316
TEL: 954-463-1643
C.O.A. #5062

SUBCONSULTANTS:
CURTIS + RODGERS
LANDSCAPE ARCHITECTURE
3440 HOLLYWOOD BLVD. STE. 415
HOLLYWOOD, FL 33021
TEL: 954-893-4411

N|V|5
GEOTECHNICAL ENGINEER
200 SOUTH PARK RD. STE. 350
HOLLYWOOD, FL 33021
TEL: 954-495-2112

KEITH & ASSOCIATES
SURVEYOR
301 E. ATLANTIC BLVD.
POMPANO BEACH, FL 33060
TEL: 954-788-3400

CHEN MOORE AND ASSOC
CIVIL ENGINEER
500 W. CYPRESS CREEK RD. STE. 600
FORT LAUDERDALE, FL 33309
TEL: 954-730-0707

BRIZAGA
PUBLIC OUTREACH
2101 W. COMMERCIAL BLVD. STE. 4600
FORT LAUDERDALE, FL 33309
TEL: 954-834-3533

ISSUE	DATE	SUBMISSION / REVISION
	01/31/2025	80% CONSTRUCTION DRAWINGS

CC PROJECT NO:	84300
DRAWN	SV
CHECKED	MG
SCALE	SCALES PERTAIN TO 22"x34 SHEET SIZE

SHEET TITLE
SURVEY
(2 OF 3)

CM-1.3

SAJ-2024-05078 (LP-KMM)
CITY OF HOLLYWOOD
EXHIBIT "B"
PG 5 OF 18

J:\Projects\84300 Hollywood Tidal Flooding & Shoreline\03 - Drawings\SITES\84300 - SITE 20\Construction Drawings\(2025-1-30) 90% C- 84300 HOLLYWOOD SITE 20.dwg