

**LEGEND**

- SHORELINE (MEAN HIGH WATER LINE)
- TREE TO BE REMOVED
- HEAVY BRUSH TO BE REMOVED
- AREA OF DISTURBANCE
- PROPERTY LINE

**TREE REMOVAL NOTES:**

1. ALL TREES SHALL REMAIN UNLESS NOTED ON THE PLANS.
2. ALL TREE PROTECTION MEASURES SHALL BE SUBJECT TO APPROVAL AND SUPERVISION BY LANDSCAPE ARCHITECT AND/OR CERTIFIED ARBORIST. THE CONTRACTOR IS ADVISED TO CONFER WITH LANDSCAPE ARCHITECT AND ARBORIST BEFORE ANY CONSTRUCTION ACTIVITIES BEGIN, INCLUDING CONSTRUCTION OFFICE SETUP, DELIVERY OF MATERIALS TO SITE, AND ANY OTHER CONSTRUCTION PRESENCE RELATED TO THE SITE OR ONSITE.
3. NO SITE PREPARATION WORK SHALL BEGIN IN AREAS WHERE TREE PRESERVATION AND TREATMENT MEASURES HAVE NOT BEEN COMPLETED AND APPROVED.
4. ALL EXISTING TREES DENOTED TO REMAIN SHALL BE PROTECTED AT THE TREE PROTECTION ZONE (TPZ).
5. CLEAR AND GRUB EXISTING VEGETATION IN AREAS IDENTIFIED ON DRAWINGS. IN TREE PROTECTION ZONES SELECTIVE CLEARING OF INVASIVE AND NON NATIVE PLANT MATERIAL IS REQUIRED. PRIOR TO REMOVAL OF ANY PLANT MATERIAL FIELD COORDINATE REMOVAL WITH LANDSCAPE ARCHITECT.
6. SEE CIVIL DRAWINGS FOR SITE DEMOLITION PLAN.
7. ANY TREE LARGER THAN 8" IN DIAMETER TO BE REVIEWED BY LANDSCAPE ARCHITECT FOR SALVAGE AND POTENTIAL REUSE ON PROJECT.

EXISTING GRAVEL AND RIP RAP MATERIALS ARE TO BE SALVAGED AND STOCKPILED. REVIEW EXTENT OF SALVAGE MATERIALS WITH LANDSCAPE ARCHITECT PRIOR TO REMOVAL FROM SITE

EXISTING PLAYGROUND

AREA OF DISTURBANCE

TREE TO BE REMOVED, TYP

EXISTING SHORELINE (MHW LINE)

EXISTING PARKING LOT TO BE REMOVED, SEE CIVIL

HEAVY BRUSH TO BE REMOVED, TYP

EXISTING BASKETBALL COURTS TO BE REMOVED, SEE CIVIL

PROPERTY LINE

**INDIA BASIN SHORELINE PARK**

CITY AND COUNTY OF SAN FRANCISCO  
RECREATION AND PARKS DEPARTMENT  
49 SOUTH VAN NESS AVENUE, SUITE 1220  
SAN FRANCISCO, CA 94102  
PH. 415-831-2700

THE TRUST FOR PUBLIC LAND  
101 MONTGOMERY STREET  
SUITE 900  
SAN FRANCISCO, CA 94104  
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PRIME CONSULTANT / LANDSCAPE ARCHITECT  
GUSTAFSON GUTHRIE NICHOL  
PH. 206-903-6802

CIVIL ENGINEER  
SHERWOOD DESIGN ENGINEERS  
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JENSEN ARCHITECTS  
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ECOLOGICAL RESTORATION  
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STRUCTURAL ENGINEER  
JON BRODY STRUCTURAL ENGINEERS  
PH. 415-296-9494

COASTAL ENGINEER  
MOFFATT AND NICHOL  
PH. 925-944-5411

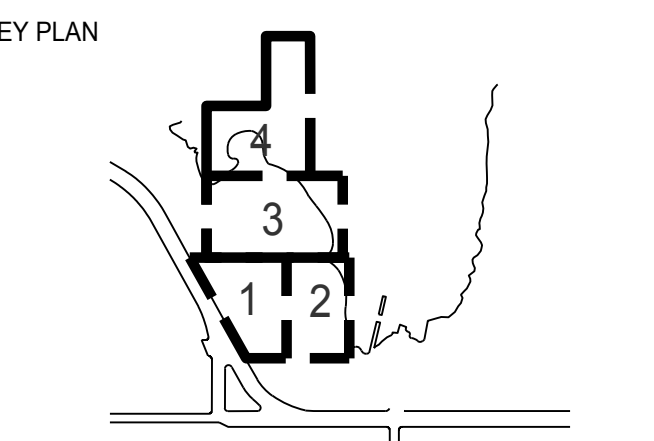
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PH. 415-666-2232

MEP & IT  
INTERFACE ENGINEERING  
PH. 415-489-7240

GEOTECHNICAL ENGINEER  
AGS, INC  
PH. 415-957-9240

SECURITY CONSULTANT  
ZBETA CONSULTING  
PH. 415-259-0422

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**REVISIONS:**

NO.	DATE	DESCRIPTION

**ISSUANCE**  
**90% CONSTRUCTION DOCUMENTS**

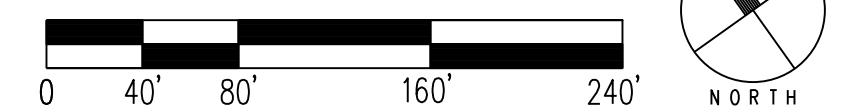
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DATE	7/01/2021	GGN PROJECT #	1608

**SALVAGE AND TREE REMOVAL PLAN - OVERALL**

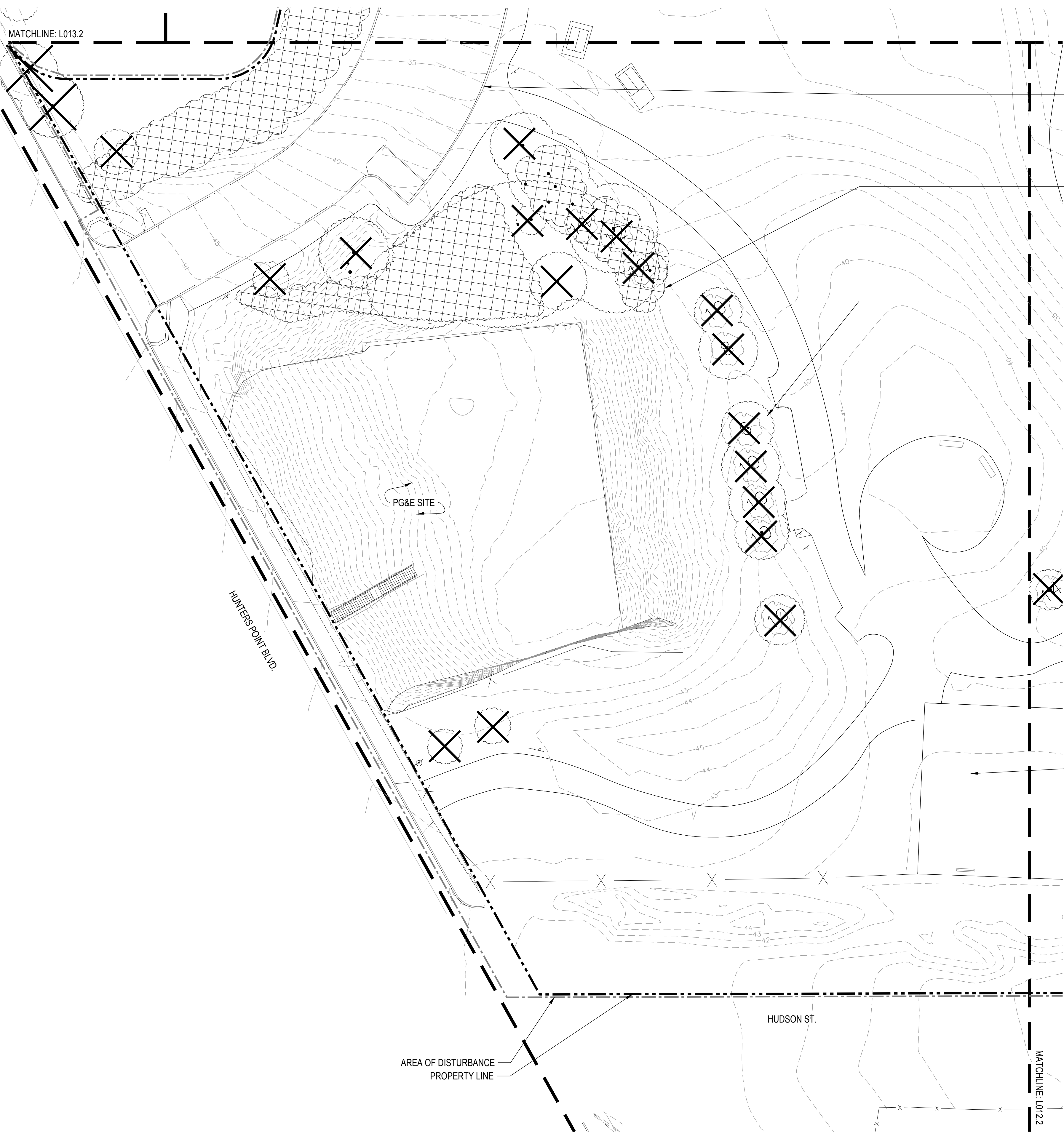
**L010.2**

**1 TREE REMOVAL PLAN - OVERALL**

SCALE: 1" = 80'-0"







- LEGEND**
- SHORELINE (MEAN HIGH WATER LINE)
  - TREE TO BE REMOVED
  - HEAVY BRUSH TO BE REMOVED
  - AREA OF DISTURBANCE
  - PROPERTY LINE

EXISTING PARKING LOT TO BE REMOVED, SEE CIVIL

HEAVY BRUSH TO BE REMOVED, TYP

TREE TO BE REMOVED, TYP

EXISTING BASKETBALL COURTS TO BE REMOVED, SEE CIVIL

AREA OF DISTURBANCE  
PROPERTY LINE

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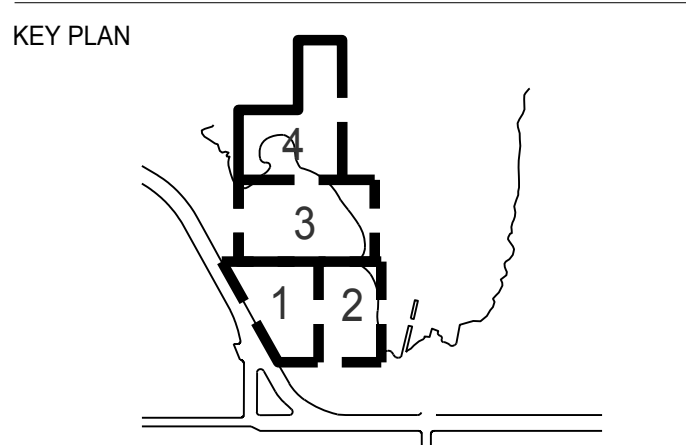
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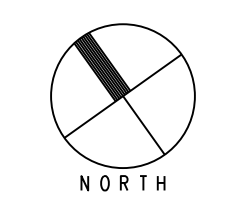
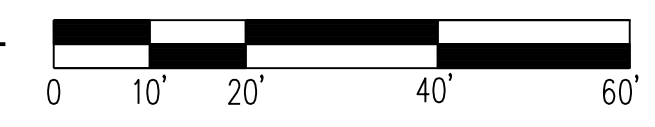
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**SALVAGE AND TREE REMOVAL PLAN - SECTOR 1**

**L011.2**





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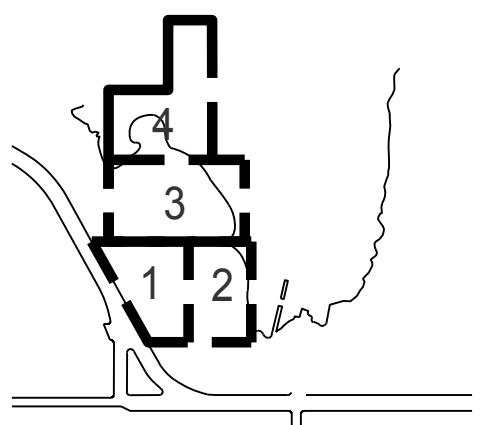
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KEY PLAN



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SALVAGE AND TREE  
REMOVAL PLAN - SECTOR 2

# L012.2

## LEGEND

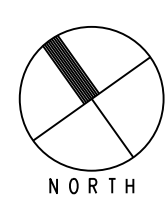
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- TREE TO BE REMOVED
- HEAVY BRUSH TO BE REMOVED
- AREA OF DISTURBANCE
- PROPERTY LINE



- EXISTING SHORELINE
- HEAVY BRUSH TO BE REMOVED, TYP
- EXISTING SHORELINE STABILIZATION TO REMAIN AND BE PROTECTED, SEE CIVIL
- TREE TO BE REMOVED, TYP
- LIMIT OF DEMOLITION, SEE CIVIL
- EXISTING BASKETBALL COURTS TO BE REMOVED, SEE CIVIL
- EXISTING PATH TO BE REMOVED, SEE CIVIL
- BAYTRAIL

# 1 SALVAGE AND TREE REMOVAL PLAN - SECTOR 2

SCALE: 1" = 20'-0"



7/1/2021 ANS A (8.50 x 11.00 inches)



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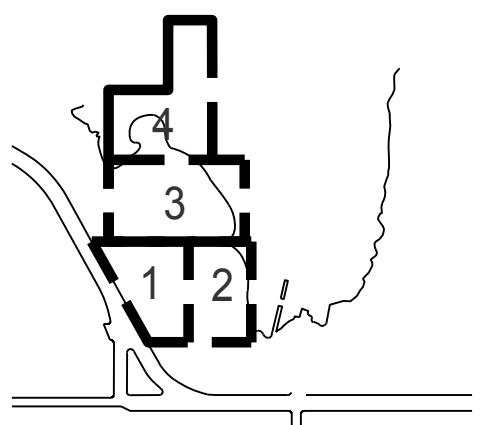
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KEY PLAN



REVISIONS:

NO.	DATE	DESCRIPTION

ISSUANCE

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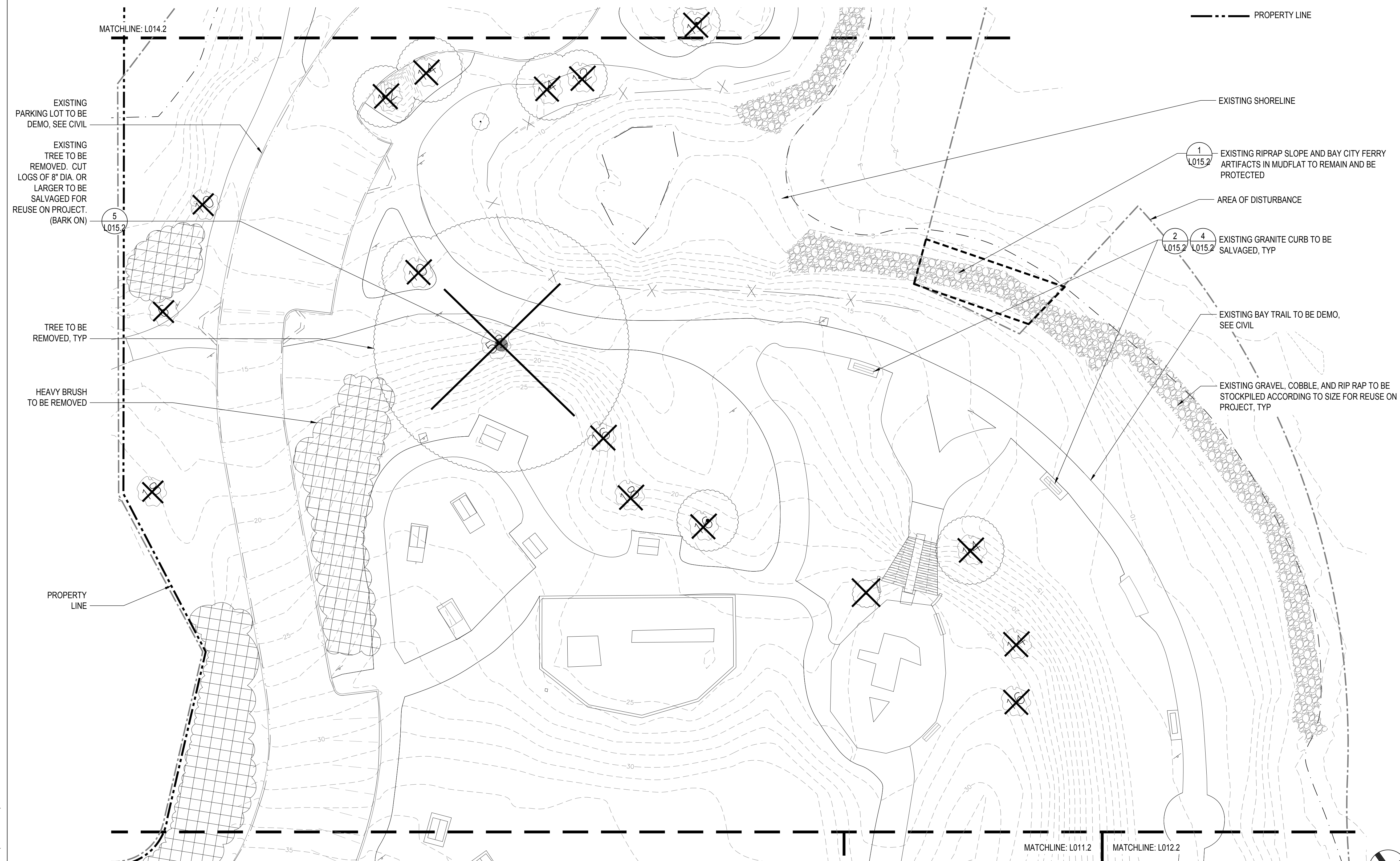
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SALVAGE AND TREE  
REMOVAL PLAN - SECTOR 3

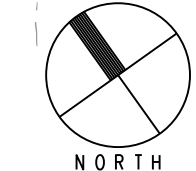
## L013.2

### LEGEND

- SHORELINE (MEAN HIGH WATER LINE)
- TREE TO BE REMOVED
- HEAVY BRUSH TO BE REMOVED
- AREA OF DISTURBANCE
- PROPERTY LINE



1 SALVAGE AND TREE REMOVAL PLAN - SECTOR 3  
SCALE: 1" = 20'-0"



7/1/2021 ANS A (8.50 x 11.00 inches)



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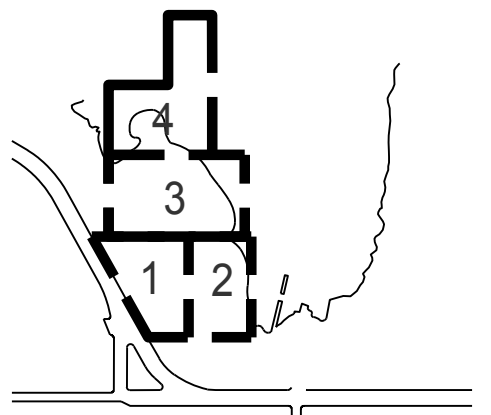
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KEY PLAN



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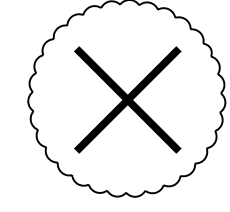
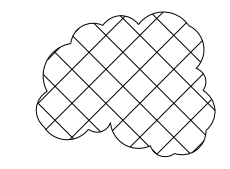


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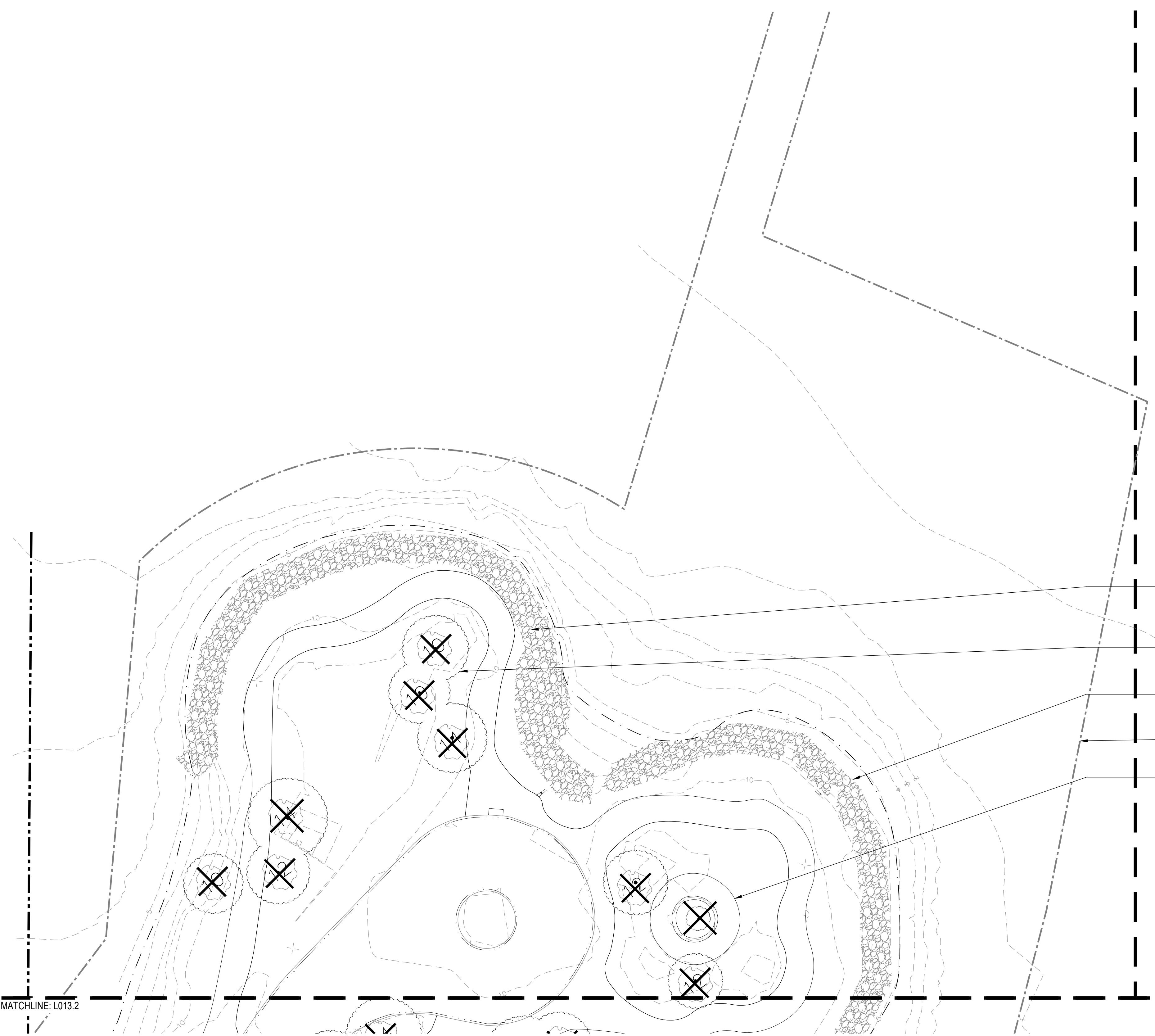
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SALVAGE AND TREE  
REMOVAL PLAN - SECTOR 4

L014.2

## LEGEND

-  SHORELINE (MEAN HIGH WATER LINE)
-  TREE TO BE REMOVED
-  HEAVY BRUSH TO BE REMOVED
-  AREA OF DISTURBANCE
-  PROPERTY LINE



- EXISTING GRAVEL, COBBLE, AND RIP RAP TO BE STOCKPILED ACCORDING TO SIZE FOR REUSE ON PROJECT, TYP
- TREE TO BE REMOVED, TYP
- SHORELINE
- AREA OF DISTURBANCE
- EXISTING PLAYGROUND

MATCHLINE: L013.2

1 SALVAGE AND TREE REMOVAL PLAN - SECTOR 4  
SCALE: 1" = 20'-0"



7/1/2021 ANSB A (8.50 x 11.00 inches)



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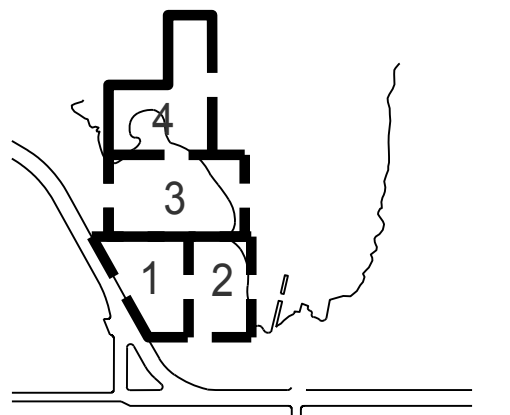
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KEY PLAN



## REVISIONS:

NO.	DATE	DESCRIPTION

ISSUANCE

## 90% CONSTRUCTION DOCUMENTS

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DATE	GGN PROJECT #
7/01/2021	1608

## SALVAGE AND TREE REMOVAL PLAN REFERENCE

# L015.2



EXISTING RIPRAP SLOPE AND BAY CITY FERRY ARTIFACTS IN MUDFLAT TO REMAIN AND BE PROTECTED

EXISTING GRAVEL, COBBLE, AND RIP RAP TO BE STOCKPILED ACCORDING TO SIZE FOR REUSE ON PROJECT, TYP

1 EXISTING PHOTO - INDIA BASIN SHORELINE PARK  
NTS



EXISTING GRANITE CURB AND BOULDER TO BE STOCKPILED ACCORDING TO SIZE FOR REUSE ON PROJECT, TYP

2 EXISTING PHOTO - INDIA BASIN SHORELINE PARK  
NTS



EXISTING BOULDER TO BE STOCKPILED ACCORDING TO SIZE FOR REUSE ON PROJECT, TYP

3 EXISTING PHOTO - INDIA BASIN SHORELINE PARK ( NEAR PARKING LOT)  
NTS



EXISTING GRANITE CURB AND BOULDER TO BE STOCKPILED ACCORDING TO SIZE FOR REUSE ON PROJECT, TYP

4 EXISTING PHOTO - INDIA BASIN SHORELINE PARK  
NTS



EXISTING TREE TO BE REMOVED. CUT LOGS OF 8" DIA. OR LARGER TO BESALVAGED FOR REUSE ON PROJECT. (BARK ON)

5 EXISTING PHOTO - INDIA BASIN SHORELINE PARK  
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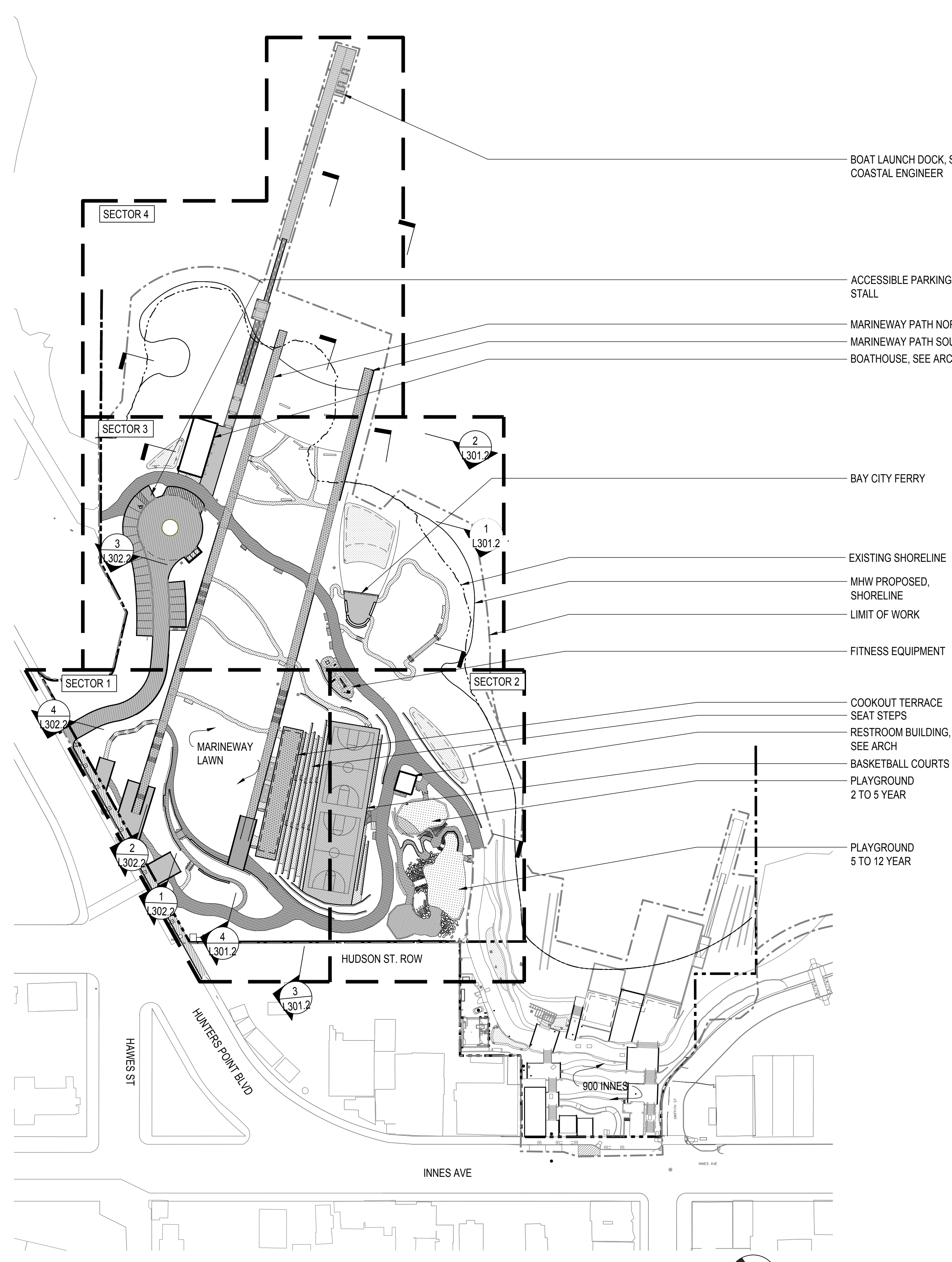
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## GENERAL NOTES

- THESE DRAWINGS ARE DIAGRAMMATIC IN NATURE. FIELD VERIFY ALL CONDITIONS, QUANTITIES, AND MATERIALS. REPORT DISCREPANCIES TO LANDSCAPE ARCHITECT FOR CLARIFICATION. DO NOT SCALE DRAWINGS. FOLLOW DIMENSIONS SHOWN ON DRAWINGS AND ACTUAL FIELD MEASUREMENTS.
- ALL DIMENSIONS ARE TO FINISH FACE OF CONCRETE AND MASONRY, FACE OF FRAMING OR CENTERLINE OF COLUMNS, UNLESS NOTED OTHERWISE.
- FOLLOW MANUFACTURER INSTRUCTIONS, EXCEPT WHERE MORE STRINGENT REQUIREMENTS ARE INDICATED OR REQUIRED BY CODE.
- DRAWINGS AND SPECIFICATIONS: EXAMINE AND BRING DISCREPANCIES BETWEEN IN THE WORK TO THE ATTENTION OF THE LANDSCAPE ARCHITECT BY WRITTEN NOTICE FOR CLARIFICATION. WORK INSTALLED IN CONFLICT WITH CONSTRUCTION DOCUMENTS WILL BE CONSIDERED IN NON-CONFORMANCE AND CORRECTED AT CONTRACTOR'S TIME AND EXPENSE AND AT NO EXPENSE TO OWNER OR PROJECT ARCHITECT.
- THE LOCATION OF ALL SURFACE AND UNDERGROUND UTILITIES SHALL BE VERIFIED BY THE CONTRACTOR AT THE BEGINNING OF SITE WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL EXISTING STRUCTURES AND UTILITIES TO REMAIN FROM DAMAGE AS REQUIRED DURING CONSTRUCTION AND TO REPAIR ANY DAMAGE WHICH SHOULD OCCUR TO THE SATISFACTION OF THE CLIENT OR DAMAGED PARTY.
- QUANTITIES PROVIDED ARE FOR CONTRACTOR CONVENIENCE ONLY. VERIFY AREAS AND QUANTITIES BASED ON AS-BUILT CONDITIONS.
- ELECTRICAL ITEMS ARE NOTED ON LANDSCAPE DRAWINGS FOR COORDINATION ONLY, EXCEPT WHERE LAYOUT INFORMATION IS PROVIDED ON LANDSCAPE DRAWINGS. SEE RELATED DRAWINGS FOR REQUIRED WORK.
- THE PROJECT SHALL COMPLY WITH ALL FEDERAL, STATE, AND LOCAL LAWS, RULES AND REGULATION REGARDING ARCHEOLOGY.

## LEGEND

- PROPERTY LINE
- LIMIT OF WORK
- MEAN HIGH WATER LINE (MHW LINE)
- PA PLANTING AREA



BOAT LAUNCH DOCK, SEE COASTAL ENGINEER

ACCESSIBLE PARKING STALL

MARINEWAY PATH NORTH  
MARINEWAY PATH SOUTH  
BOATHOUSE, SEE ARCH

BAY CITY FERRY

EXISTING SHORELINE  
MHW PROPOSED, SHORELINE  
LIMIT OF WORK

FITNESS EQUIPMENT

COOKOUT TERRACE  
SEAT STEPS  
RESTROOM BUILDING, SEE ARCH

BASKETBALL COURTS  
PLAYGROUND 2 TO 5 YEAR  
PLAYGROUND 5 TO 12 YEAR

HUDSON ST. ROW

900 INNES

INNES AVE

HUNTERS POINT BLVD

HAWKES ST

## WALL SCHEDULE

SYMBOL	DESCRIPTION	DETAIL	SPEC
W1	CONCRETE RETAINING WALL	1 L501.2	033713
W2	CIP CONCRETE RETAINING WALL	2 L502.2	033000
W3	STONE SEAT WALL	4 L516.2	

## RAIL SCHEDULE

SYMBOL	DESCRIPTION	DETAIL	SPEC
R1	HANDRAIL AT STAIRS	1 L540.2	057300
R2	GUARDRAIL AT BOARDWALK	4 L541.2	057300
R4	LEANRAIL AT MARINEWAY WALL	1 L541.2	057300
R5	CANE RAIL	6 L541.2	057300

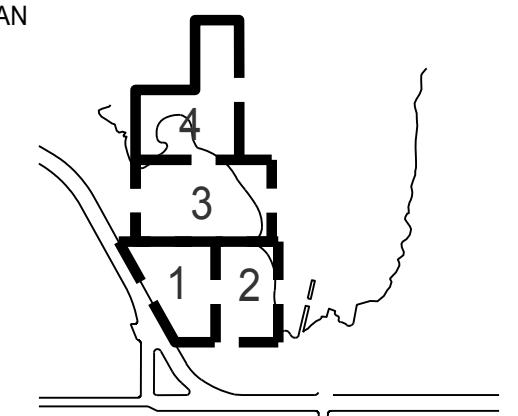
## FENCE SCHEDULE

SYMBOL	DESCRIPTION	DETAIL	SPEC
F1	30" H WOOD STANCON WITH ROPE	1 L542.2	323113
F2	PLANTING PROTECTION FENCE	3 L542.2	323113
F3	SPORTS FENCE BASKETBALL COURT	6 L542.2	323113

## PAVING SCHEDULE

SYMBOL	DESCRIPTION	DETAIL	SPEC
P1	CONCRETE PAVING - VEHICULAR (WITH CUSTOM FINISH OF TROWELED TEXTURES OVER 100% OF SURFACE). SEE LAYOUT PLAN FOR TROWEL PATTERNS	SEE CIVIL	32 13 16
P2	CONCRETE PAVING - PEDESTRIAN (EXPOSED AGGREGATE)	SEE CIVIL	32 13 16
P2-V	CONCRETE PAVING - VEHICULAR (EXPOSED AGGREGATE)	SEE CIVIL	32 13 16
P2-D	CONCRETE PAVING - PEDESTRIAN (EXPOSED AGGREGATE - DARK)	SEE CIVIL	32 13 16
P3	CONCRETE PAVING - PEDESTRIAN (STANDARD FINISH)	SEE CIVIL	32 13 13
P3-V	CONCRETE PAVING - VEHICULAR (STANDARD FINISH)	SEE CIVIL	32 13 13
P5	WOOD DECKING - PEDESTRIAN	1 L510.2	06 20 13
P5-V	WOOD DECKING - VEHICULAR	1 L511.2	06 20 13
P5-P	WOOD DECKING ON PIER	1 L515.2	06 20 13
P6	ENGINEERED WOOD FIBER	2 L515.2	32 18 16.13
P8	CRUSHED STONE (STABILIZED)	3 L515.2	32 15 40
P9	ASPHALT PAVING - VEHICULAR, SEE CIVIL		32 12 16
P10	DRAINAGE GRAVEL	4 L515.2	32 15 40
P11	SYNTHETIC GRASS SURFACING		
P12	POURED IN PLACE RUBBER SURFACING		
P13	GRATE		12 93 00

KEY PLAN



## REVISIONS:

NO.	DATE	DESCRIPTION

ISSUANCE

## 90% CONSTRUCTION DOCUMENTS

DRAWN BY	CHECKED BY
DATE	GGN PROJECT #
7/01/2021	1608

## SITE PLAN OVERALL & NOTES

# L110.2





# INDIA BASIN SHORELINE PARK

CITY AND COUNTY OF SAN FRANCISCO  
RECREATION AND PARKS DEPARTMENT  
49 SOUTH VAN NESS AVENUE, SUITE 1220  
SAN FRANCISCO, CA 94102  
PH. 415-831-2700

THE TRUST FOR PUBLIC LAND  
101 MONTGOMERY STREET  
SUITE 900  
SAN FRANCISCO, CA 94104  
PH. 415-495-4014

PRIME CONSULTANT / LANDSCAPE ARCHITECT  
GUSTAFSON GUTHRIE NICHOL  
PH. 206-903-6802

CIVIL ENGINEER  
SHERWOOD DESIGN ENGINEERS  
PH. 415-348-9650

ARCHITECT  
JENSEN ARCHITECTS  
PH. 415-348-9650

ECOLOGICAL RESTORATION  
RANA CREEK  
PH. 831-659-3820

STRUCTURAL ENGINEER  
JON BRODY STRUCTURAL ENGINEERS  
PH. 415-296-9494

COASTAL ENGINEER  
MOFFATT AND NICHOL  
PH. 925-944-5411

LIGHTING  
NITEO CALIFORNIA  
PH. 415-666-2232

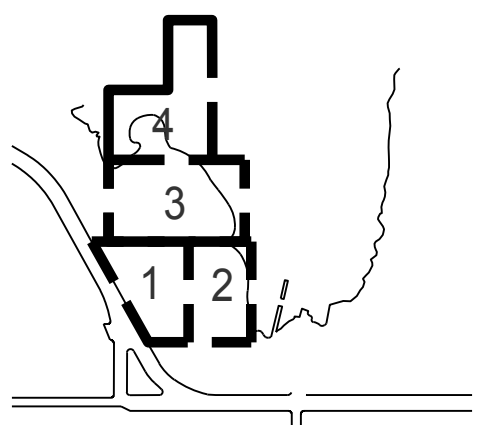
MEP & IT  
INTERFACE ENGINEERING  
PH. 415-489-7240

GEOTECHNICAL ENGINEER  
AGS, INC  
PH. 415-957-9240

SECURITY CONSULTANT  
ZBETA CONSULTING  
PH. 415-259-0422

FOR OFFICIAL USE

KEY PLAN



REVISIONS:

NO.	DATE	DESCRIPTION

ISSUANCE

90% CONSTRUCTION DOCUMENTS

DRAWN BY \_\_\_\_\_ CHECKED BY \_\_\_\_\_

DATE \_\_\_\_\_ GGN PROJECT # \_\_\_\_\_

7/01/2021 1608

SITE PLAN - SECTOR 1

L111.2

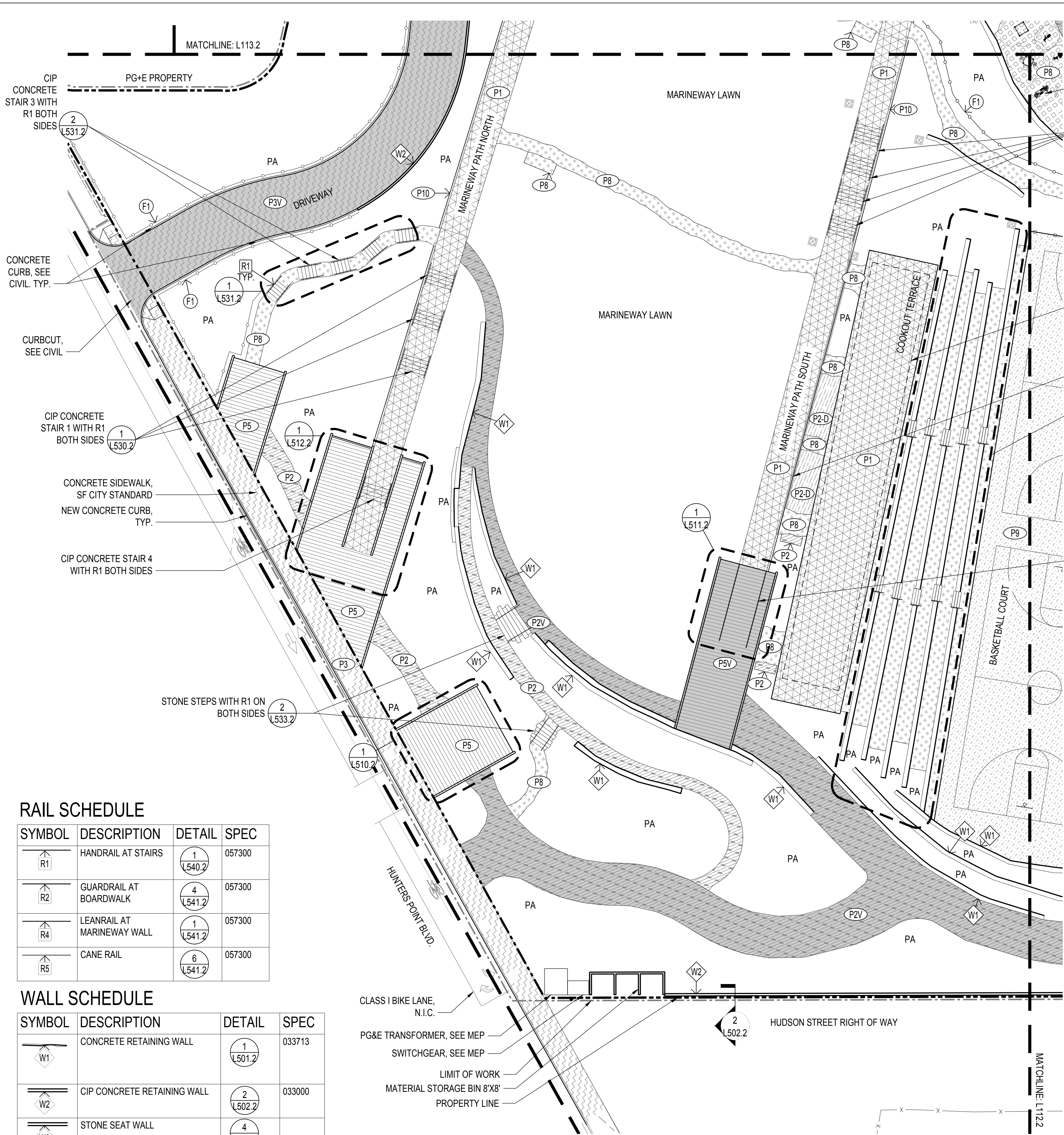
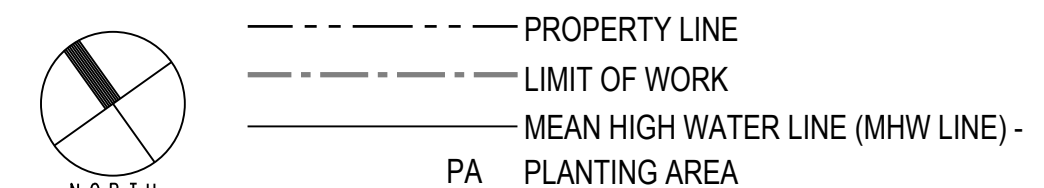
## PAVING SCHEDULE

SYMBOL	DESCRIPTION	DETAIL	SPEC
P1	CONCRETE PAVING - VEHICULAR (WITH CUSTOM FINISH OF TROWELED TEXTURES OVER 100% OF SURFACE). SEE LAYOUT PLAN FOR TROWEL PATTERNS	SEE CIVIL	32 13 16
P2	CONCRETE PAVING - PEDESTRIAN (EXPOSED AGGREGATE)	SEE CIVIL	32 13 16
P2-V	CONCRETE PAVING - VEHICULAR (EXPOSED AGGREGATE)	SEE CIVIL	32 13 16
P2-D	CONCRETE PAVING - PEDESTRIAN (EXPOSED AGGREGATE - DARK)	SEE CIVIL	32 13 16
P3	CONCRETE PAVING - PEDESTRIAN (STANDARD FINISH)	SEE CIVIL	32 13 13
P3-V	CONCRETE PAVING - VEHICULAR (STANDARD FINISH)	SEE CIVIL	32 13 13
P5	WOOD DECKING - PEDESTRIAN	1 L510.2	06 20 13
P5-V	WOOD DECKING - VEHICULAR	1 L511.2	06 20 13
P5-P	WOOD DECKING ON PIER	1 L515.2	06 20 13
P6	ENGINEERED WOOD FIBER	2 L515.2	32 18 16.13
P8	CRUSHED STONE (STABILIZED)	3 L515.2	32 15 40
P9	ASPHALT PAVING - VEHICULAR, SEE CIVIL		32 12 16
P10	DRAINAGE GRAVEL	4 L515.2	32 15 40
P11	SYNTHETIC GRASS SURFACING		
P12	POURED IN PLACE RUBBER SURFACING		
P13	GRATE		12 93 00

## FENCE SCHEDULE

SYMBOL	DESCRIPTION	DETAIL	SPEC
F1	30" H WOOD STANCION WITH ROPE	1 L542.2	323113
F2	PLANTING PROTECTION FENCE	3 L542.2	323113
F3	SPORTS FENCE BASKETBALL COURT	6 L542.2	323113

## LEGEND



## RAIL SCHEDULE

SYMBOL	DESCRIPTION	DETAIL	SPEC
R1	HANDRAIL AT STAIRS	1 L540.2	057300
R2	GUARDRAIL AT BOARDWALK	4 L541.2	057300
R4	LEANRAIL AT MARINEWAY WALL	1 L541.2	057300
R5	CANE RAIL	6 L541.2	057300

## WALL SCHEDULE

SYMBOL	DESCRIPTION	DETAIL	SPEC
W1	CONCRETE RETAINING WALL	1 L501.2	033713
W2	CIP CONCRETE RETAINING WALL	2 L502.2	033000
W3	STONE SEAT WALL	4 L516.2	

1 SITE PLAN - SECTOR 1  
SCALE: 1" = 20'-0"

7/1/2021 ANSB A (8.50 x 11.00 inches)



# INDIA BASIN SHORELINE PARK

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RECREATION AND PARKS DEPARTMENT  
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COASTAL ENGINEER  
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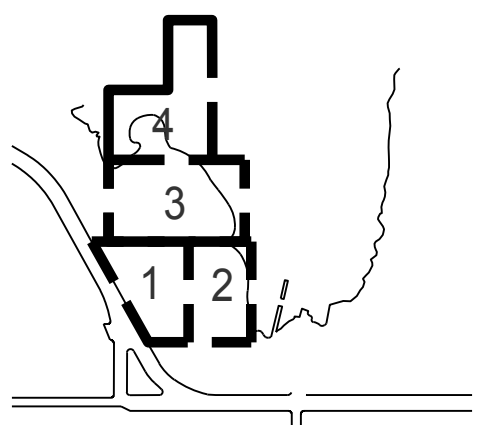
MEP & IT  
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AGS, INC.  
PH. 415-957-9240

SECURITY CONSULTANT  
ZBETA CONSULTING  
PH. 415-259-0422

FOR OFFICIAL USE

KEY PLAN



### REVISIONS:

NO.	DATE	DESCRIPTION

ISSUANCE

90% CONSTRUCTION DOCUMENTS

DRAWN BY: \_\_\_\_\_ CHECKED BY: \_\_\_\_\_

DATE: 7/01/2021 GGN PROJECT #: 1608

## SITE PLAN - SECTOR 2

# L112.2

### PAVING SCHEDULE

SYMBOL	DESCRIPTION	DETAIL	SPEC
P1	CONCRETE PAVING - VEHICULAR (WITH CUSTOM FINISH OF TROWELED TEXTURES OVER 100% OF SURFACE). SEE LAYOUT PLAN FOR TROWEL PATTERNS	SEE CIVIL	32 13 16
P2	CONCRETE PAVING - PEDESTRIAN (EXPOSED AGGREGATE)	SEE CIVIL	32 13 16
P2-V	CONCRETE PAVING - VEHICULAR (EXPOSED AGGREGATE)	SEE CIVIL	32 13 16
P2-D	CONCRETE PAVING - PEDESTRIAN (EXPOSED AGGREGATE - DARK)	SEE CIVIL	32 13 16
P3	CONCRETE PAVING - PEDESTRIAN (STANDARD FINISH)	SEE CIVIL	32 13 13
P3-V	CONCRETE PAVING - VEHICULAR (STANDARD FINISH)	SEE CIVIL	32 13 13
P5	WOOD DECKING - PEDESTRIAN	1 L510.2	06 20 13
P5-V	WOOD DECKING - VEHICULAR	1 L511.2	06 20 13
P5-P	WOOD DECKING ON PIER	1 L515.2	06 20 13
P6	ENGINEERED WOOD FIBER	2 L515.2	32 18 16.13
P8	CRUSHED STONE (STABILIZED)	3 L515.2	32 15 40
P9	ASPHALT PAVING - VEHICULAR, SEE CIVIL		32 12 16
P10	DRAINAGE GRAVEL	4 L515.2	32 15 40
P11	SYNTHETIC GRASS SURFACING		
P12	POURED IN PLACE RUBBER SURFACING		
P13	GRATE		12 93 00

### RAIL SCHEDULE

SYMBOL	DESCRIPTION	DETAIL	SPEC
R1	HANDRAIL AT STAIRS	1 L540.2	057300
R2	GUARDRAIL AT BOARDWALK	4 L541.2	057300
R4	LEANRAIL AT MARINEWAY WALL	1 L541.2	057300
R5	CANE RAIL	6 L541.2	057300

### FENCE SCHEDULE

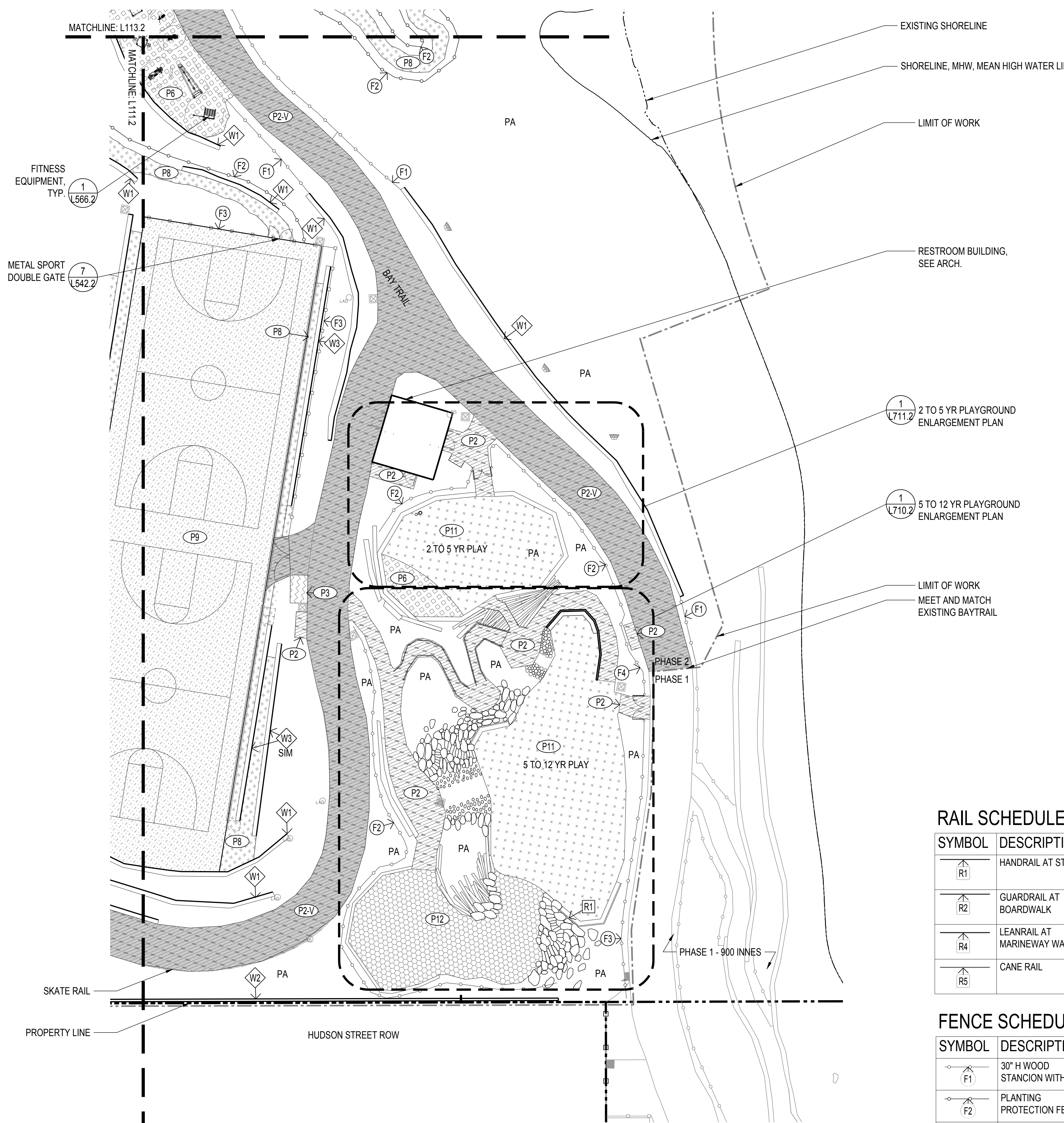
SYMBOL	DESCRIPTION	DETAIL	SPEC
F1	30" H WOOD STANCON WITH ROPE	1 L542.2	323113
F2	PLANTING PROTECTION FENCE	3 L542.2	323113
F3	SPORTS FENCE BASKETBALL COURT	6 L542.2	323113

### WALL SCHEDULE

SYMBOL	DESCRIPTION	DETAIL	SPEC
W1	CONCRETE RETAINING WALL	1 L501.2	033713
W2	CIP CONCRETE RETAINING WALL	2 L502.2	033000
W3	STONE SEAT WALL	4 L516.2	

### LEGEND

- PROPERTY LINE
- LIMIT OF WORK
- MEAN HIGH WATER LINE (MHW LINE) -
- PA PLANTING AREA



## 1 SITE PLAN - SECTOR 2

SCALE: 1" = 20'-0"



# PAVING SCHEDULE

SYMBOL	DESCRIPTION	DETAIL	SPEC
P1	CONCRETE PAVING - VEHICULAR (WITH CUSTOM FINISH OF TROWELED TEXTURES OVER 100% OF SURFACE). SEE LAYOUT PLAN FOR TROWEL PATTERNS	SEE CIVIL	32 13 16
P2	CONCRETE PAVING - PEDESTRIAN (EXPOSED AGGREGATE)	SEE CIVIL	32 13 16
P2-V	CONCRETE PAVING - VEHICULAR (EXPOSED AGGREGATE)	SEE CIVIL	32 13 16
P2-D	CONCRETE PAVING - PEDESTRIAN (EXPOSED AGGREGATE - DARK)	SEE CIVIL	32 13 16

SYMBOL	DESCRIPTION	DETAIL	SPEC
P3	CONCRETE PAVING - PEDESTRIAN (STANDARD FINISH)	SEE CIVIL	32 13 13
P3-V	CONCRETE PAVING - VEHICULAR (STANDARD FINISH)	SEE CIVIL	32 13 13
P5	WOOD DECKING - PEDESTRIAN	1 L510.2	06 20 13
P5-V	WOOD DECKING - VEHICULAR	1 L511.2	06 20 13
P5-P	WOOD DECKING ON PIER	1 L515.2	06 20 13

# RAIL SCHEDULE

SYMBOL	DESCRIPTION	DETAIL	SPEC
P6	ENGINEERED WOOD FIBER	2 L515.2	32 18 16.13
P8	CRUSHED STONE (STABILIZED)	3 L515.2	32 15 40
P9	ASPHALT PAVING - VEHICULAR, SEE CIVIL		32 12 16
P10	DRAINAGE GRAVEL	4 L515.2	32 15 40

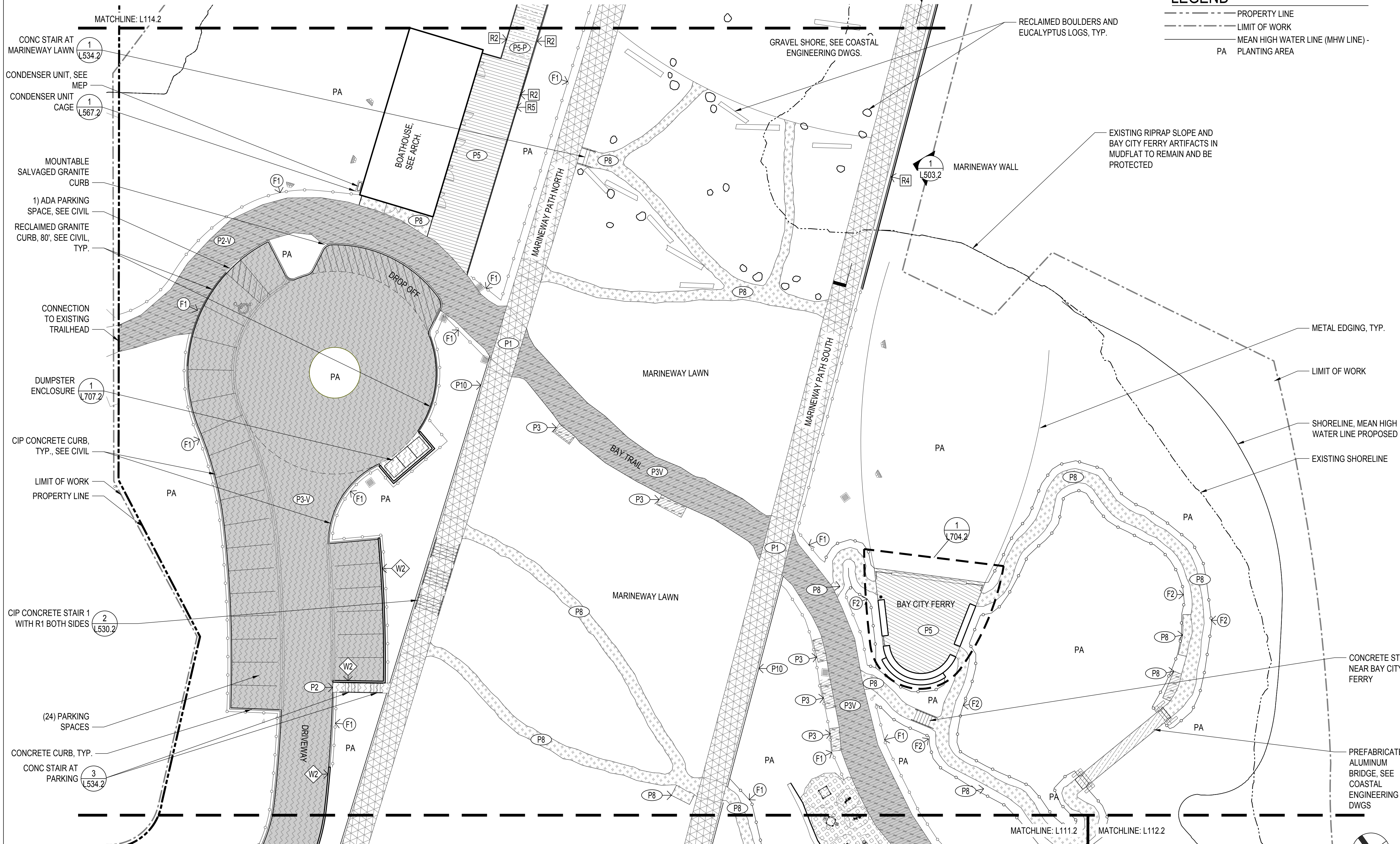
SYMBOL	DESCRIPTION	DETAIL	SPEC
R1	HANDRAIL AT STAIRS	1 L540.2	057300
R2	GUARDRAIL AT BOARDWALK	4 L541.2	057300
R4	LEANRAIL AT MARINEWAY WALL	1 L541.2	057300
R5	CANE RAIL	6 L541.2	057300

## NOTE

SEE L110.2 FOR FURNITURE, WALL AND RAILING SCHEDULE

## LEGEND

- PROPERTY LINE
- LIMIT OF WORK
- MEAN HIGH WATER LINE (MHW LINE)
- PA PLANTING AREA



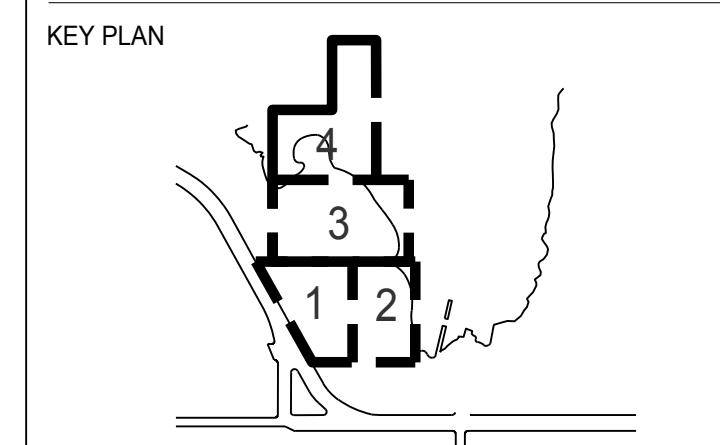
### INDIA BASIN SHORELINE PARK

CITY AND COUNTY OF SAN FRANCISCO  
RECREATION AND PARKS DEPARTMENT  
49 SOUTH VAN NESS AVENUE, SUITE 1220  
SAN FRANCISCO, CA 94102  
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- PRIME CONSULTANT / LANDSCAPE ARCHITECT  
GUSTAFSON GUTHRIE NICHOL  
PH. 206-903-8802
- CIVIL ENGINEER  
SHERWOOD DESIGN ENGINEERS  
PH. 415-348-9650
- ARCHITECT  
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- ECOLOGICAL RESTORATION  
RANA CREEK  
PH. 831-659-3820
- STRUCTURAL ENGINEER  
JON BRODY STRUCTURAL ENGINEERS  
PH. 415-296-9494
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PH. 925-944-5411
- LIGHTING  
NITEO CALIFORNIA  
PH. 415-666-2232
- MEP & IT  
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PH. 415-489-7240
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AGS, INC  
PH. 415-957-9240
- SECURITY CONSULTANT  
ZBETA CONSULTING  
PH. 415-259-0422

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## REVISIONS:

NO.	DATE	DESCRIPTION

## ISSUANCE

90% CONSTRUCTION DOCUMENTS

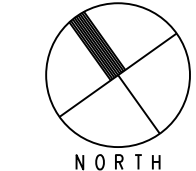
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DATE	GGN PROJECT #
7/01/2021	1608

## SITE PLAN - SECTOR 3

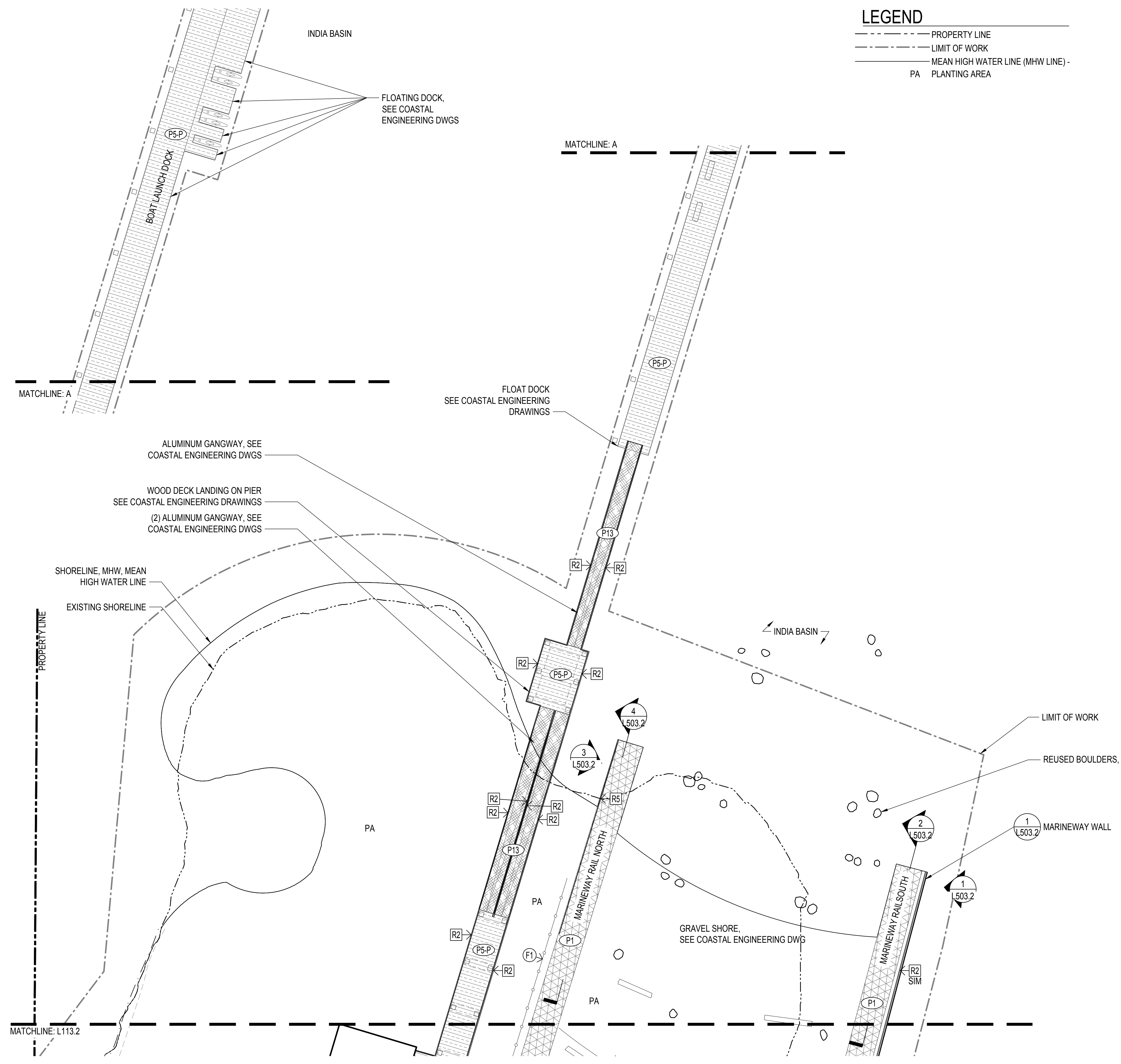
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7/1/2021 ANS A (8.50 x 11.00 inches)

1 SITE PLAN - SECTOR 3  
SCALE: 1" = 20'-0"







**LEGEND**

---	PROPERTY LINE
- - -	LIMIT OF WORK
---	MEAN HIGH WATER LINE (MHW LINE)
PA	PLANTING AREA

**PAVING SCHEDULE**

SYMBOL	DESCRIPTION	DETAIL	SPEC
P1	CONCRETE PAVING - VEHICULAR (WITH CUSTOM FINISH OF TROWELED TEXTURES OVER 100% OF SURFACE). SEE LAYOUT PLAN FOR TROWEL PATTERNS	SEE CIVIL	32 13 16
P2	CONCRETE PAVING - PEDESTRIAN (EXPOSED AGGREGATE)	SEE CIVIL	32 13 16
P2-V	CONCRETE PAVING - VEHICULAR (EXPOSED AGGREGATE)	SEE CIVIL	32 13 16
P2-D	CONCRETE PAVING - PEDESTRIAN (EXPOSED AGGREGATE- DARK)	SEE CIVIL	32 13 16
P3	CONCRETE PAVING - PEDESTRIAN (STANDARD FINISH)	SEE CIVIL	32 13 13
P3-V	CONCRETE PAVING - VEHICULAR (STANDARD FINISH)	SEE CIVIL	32 13 13
P5	WOOD DECKING - PEDESTRIAN	1 L510.2	06 20 13
P5-V	WOOD DECKING - VEHICULAR	1 L511.2	06 20 13
P5-P	WOOD DECKING ON PIER	1 L515.2	06 20 13
P6	ENGINEERED WOOD FIBER	2 L515.2	32 18 16.13
P8	CRUSHED STONE (STABILIZED)	3 L515.2	32 15 40
P9	ASPHALT PAVING - VEHICULAR, SEE CIVIL		32 12 16
P10	DRAINAGE GRAVEL	4 L515.2	32 15 40
P11	SYNTHETIC GRASS SURFACING		
P12	POURED IN PLACE RUBBER SURFACING		
P13	GRATE		12 93 00

**WALL SCHEDULE**

SYMBOL	DESCRIPTION	DETAIL	SPEC
W1	CONCRETE RETAINING WALL	1 L501.2	033713
W2	CIP CONCRETE RETAINING WALL	2 L502.2	033000
W3	STONE SEAT WALL	4 L516.2	

**FENCE SCHEDULE**

SYMBOL	DESCRIPTION	DETAIL	SPEC
F1	30" H WOOD STANCION WITH ROPE	1 L542.2	323113
F2	PLANTING PROTECTION FENCE	3 L542.2	323113
F3	SPORTS FENCE BASKETBALL COURT	6 L542.2	323113

**RAIL SCHEDULE**

SYMBOL	DESCRIPTION	DETAIL	SPEC
R1	HANDRAIL AT STAIRS	1 L540.2	057300
R2	GUARDRAIL AT BOARDWALK	4 L541.2	057300
R4	LEANRAIL AT MARINERWAY WALL	1 L541.2	057300
R5	CANE RAIL	6 L541.2	057300

**INDIA BASIN SHORELINE PARK**

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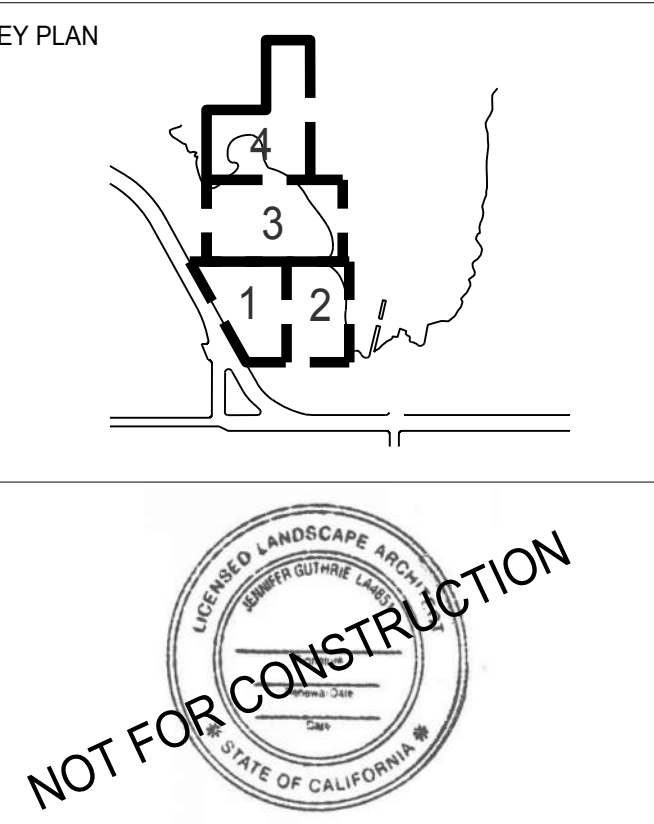
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ZBETA CONSULTING  
PH. 415-259-0422

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**REVISIONS:**

NO.	DATE	DESCRIPTION

ISSUANCE

**90% CONSTRUCTION DOCUMENTS**

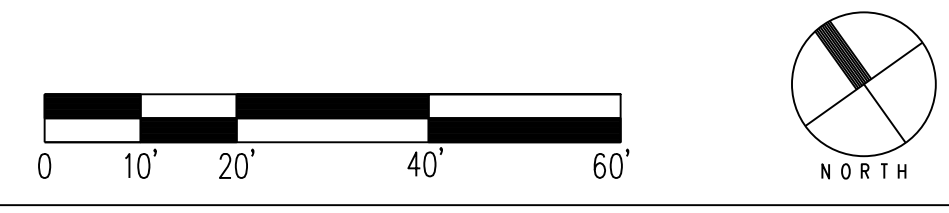
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DATE	GGN PROJECT #
7/01/2021	1608

**SITE PLAN - SECTOR 4**

**L114.2**

7/1/2021 ANS A (8.50 x 11.00 inches)

**1 SITE PLAN - SECTOR 4**  
SCALE: 1" = 20'-0"





# INDIA BASIN SHORELINE PARK

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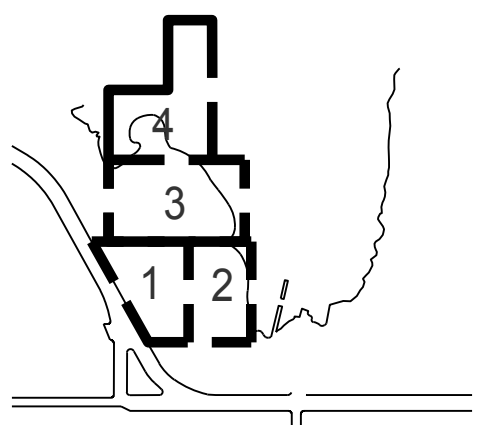
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KEY PLAN



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NO.	DATE	DESCRIPTION

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DATE	GGN PROJECT #
7/01/2021	1608

## FURNISHINGS PLAN - OVERALL

# L120.2

## GENERAL NOTES

- THESE DRAWINGS ARE DIAGRAMMATIC IN NATURE. FIELD VERIFY ALL CONDITIONS, QUANTITIES, AND MATERIALS. REPORT DISCREPANCIES TO LANDSCAPE ARCHITECT FOR CLARIFICATION. DO NOT SCALE DRAWINGS. FOLLOW DIMENSIONS SHOWN ON DRAWINGS AND ACTUAL FIELD MEASUREMENTS.
- ALL DIMENSIONS ARE TO FINISH FACE OF CONCRETE AND MASONRY, FACE OF FRAMING OR CENTERLINE OF COLUMNS, UNLESS NOTED OTHERWISE.
- FOLLOW MANUFACTURER INSTRUCTIONS, EXCEPT WHERE MORE STRINGENT REQUIREMENTS ARE INDICATED OR REQUIRED BY CODE.
- DRAWINGS AND SPECIFICATIONS: EXAMINE AND BRING DISCREPANCIES BETWEEN IN THE WORK TO THE ATTENTION OF THE LANDSCAPE ARCHITECT BY WRITTEN NOTICE FOR CLARIFICATION. WORK INSTALLED IN CONFLICT WITH CONSTRUCTION DOCUMENTS WILL BE CONSIDERED IN NON-CONFORMANCE AND CORRECTED AT CONTRACTOR'S TIME AND EXPENSE AND AT NO EXPENSE TO OWNER OR PROJECT ARCHITECT.
- THE LOCATION OF ALL SURFACE AND UNDERGROUND UTILITIES SHALL BE VERIFIED BY THE CONTRACTOR AT THE BEGINNING OF SITE WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL EXISTING STRUCTURES AND UTILITIES TO REMAIN FROM DAMAGE AS REQUIRED DURING CONSTRUCTION AND TO REPAIR ANY DAMAGE WHICH SHOULD OCCUR TO THE SATISFACTION OF THE CLIENT OR DAMAGED PARTY.
- QUANTITIES PROVIDED ARE FOR CONTRACTOR CONVENIENCE ONLY. VERIFY AREAS AND QUANTITIES BASED ON AS-BUILT CONDITIONS.
- ELECTRICAL ITEMS ARE NOTED WHERE LAYOUT INFORMATION IS PROVIDED ON LANDSCAPE DRAWINGS. SEE RELATED DRAWINGS FOR REQUIRED WORK.
- THE PROJECT SHALL COMPLY WITH ALL FEDERAL, STATE, AND LOCAL LAWS, RULES AND REGULATION REGARDING ARCHEOLOGY.

## QUALITY CONTROL NOTES

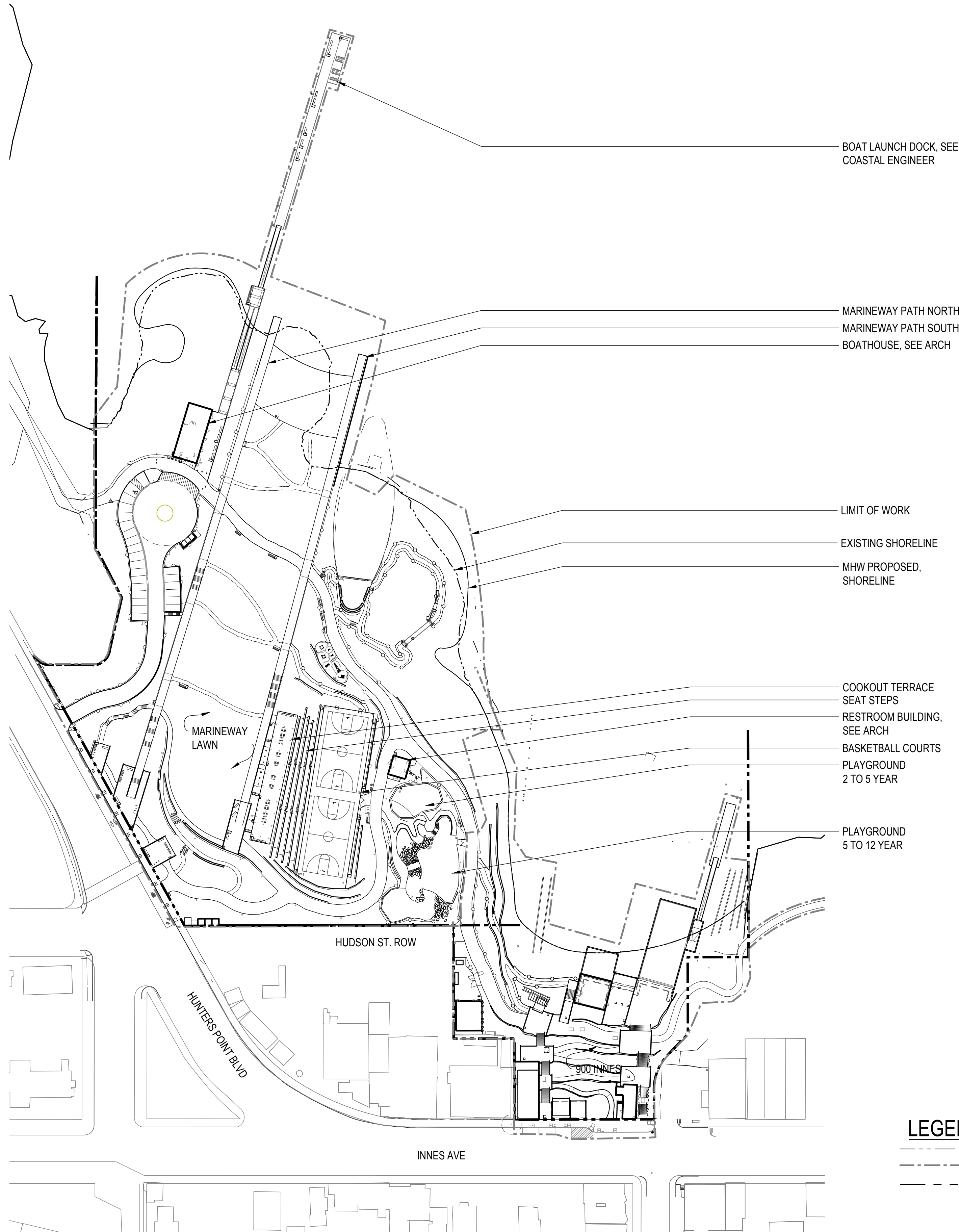
- CONTRACTOR IS TO SUBMIT A SUMMARY OF ALL LANDSCAPE SUBMITTALS NECESSARY FOR LANDSCAPE WORK AND ASSOCIATED SCOPE ITEMS FOR APPROVAL. BASED ON THE APPROVED LISTING OF PROJECT LANDSCAPE SUBMITTALS CONTRACTOR IS TO SUBMIT ALL NECESSARY DOCUMENTATION IN ACCORDANCE WITH CONTRACT DOCUMENTS.
- ALL SHOP DRAWINGS REQUIRED AS PART OF LANDSCAPE IMPROVEMENTS SHALL BE COORDINATED WITH ALL ASSOCIATED DISCIPLINES, SITE AND ARCHITECTURAL CONDITIONS. DRAWINGS SHALL SHOW ADJACENT INFORMATION THAT WILL GIVE CLEAR INDICATION OF INTERFACE TO STRUCTURES, FOUNDATIONS, UTILITIES, PROPERTY LINES AND EASEMENTS, AND ANY OTHER NECESSARY INFORMATION.

## FURNITURE SCHEDULE

SYMBOL	DESCRIPTION	DETAIL	SPEC
☐☐☐	PICNIC GRILL		XX XX XX
☐☐☐	PICNIC TABLE		12 93 00
•HB	HOSE BIBB	SEE CIVIL	32 84 00
WF1	WATER FOUNTAIN TYPE 1	1 L563.2	22 40 00
WF2	WATER FOUNTAIN TYPE 2		22 40 00
☐	BENCH TYPE 1	1 L561.2	12 93 00
☐	BENCH TYPE 2	3 L561.2	12 93 00
☐	BENCH TYPE 3	1 L562.2	12 93 00
☐☐	URBAN SWING SEATS	3 L562.2	12 93 00
	BIKE RACK		12 93 00
⊙	TRASH AND RECYCLE RECEPTACLE TYPE 1		12 93 00
⊙	TRASH AND RECYCLE RECEPTACLE TYPE 2		12 93 00
•	REMOVABLE BOLLARDS	2 L563.2	12 93 00
⊙	FIRE HYDRANT		33 14 16
ASD	SIGNAGE	1,2,3 L564.2	
☐☐	COMPANION SEATING SPACE		
○	BASKETBALL GOAL		12 93 00

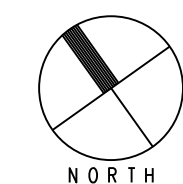
## LEGEND

- PROPERTY LINE
- LIMIT OF WORK
- MEAN HIGH WATER LINE (MHW LINE)
- PA PLANTING AREA



## 1 FURNISHINGS PLAN - OVERALL

SCALE: 1" = 80'-0"





# INDIA BASIN SHORELINE PARK

CITY AND COUNTY OF SAN FRANCISCO  
RECREATION AND PARKS DEPARTMENT  
49 SOUTH VAN NESS AVENUE, SUITE 1220  
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THE TRUST FOR PUBLIC LAND  
101 MONTGOMERY STREET  
SUITE 900  
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PH. 415-495-4014

PRIME CONSULTANT / LANDSCAPE ARCHITECT  
GUSTAFSON GUTHRIE NICHOL  
PH. 206-903-8802

CIVIL ENGINEER  
SHERWOOD DESIGN ENGINEERS  
PH. 415-348-9650

ARCHITECT  
JENSEN ARCHITECTS  
PH. 415-348-9650  
ECOLOGICAL RESTORATION  
RANA CREEK  
PH. 831-659-3820

STRUCTURAL ENGINEER  
JON BRODY STRUCTURAL ENGINEERS  
PH. 415-296-9494

COASTAL ENGINEER  
MOFFATT AND NICHOL  
PH. 925-944-5411

LIGHTING  
NITEO CALIFORNIA  
PH. 415-666-2232

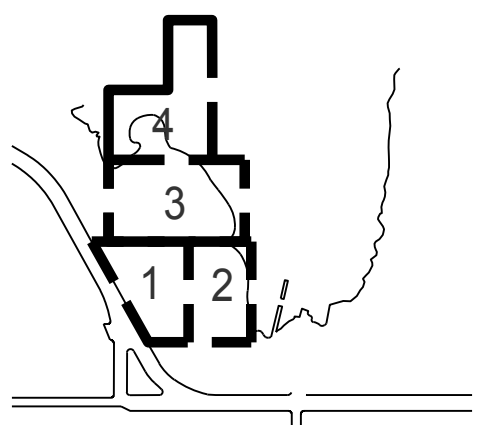
MEP & IT  
INTERFACE ENGINEERING  
PH. 415-489-7240

GEOTECHNICAL ENGINEER  
AGS, INC  
PH. 415-957-9240

SECURITY CONSULTANT  
ZBETA CONSULTING  
PH. 415-259-0422

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KEY PLAN



## REVISIONS:

NO.	DATE	DESCRIPTION

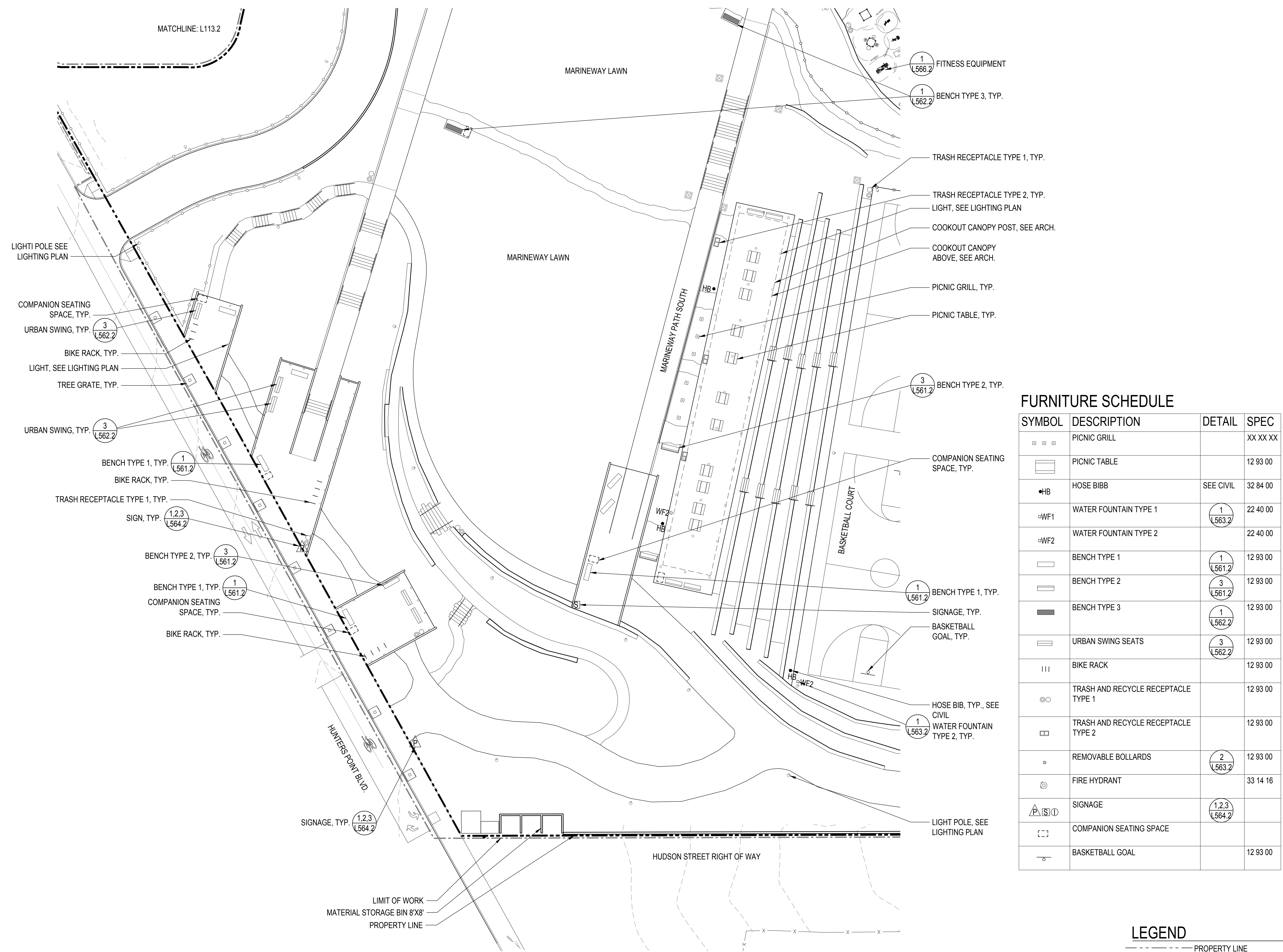
ISSUANCE

## 90% CONSTRUCTION DOCUMENTS

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DATE	GGN PROJECT #
7/01/2021	1608

## FURNISHINGS PLAN - SECTOR 1

# L121.2



## FURNITURE SCHEDULE

SYMBOL	DESCRIPTION	DETAIL	SPEC
	PICNIC GRILL		XX XX XX
	PICNIC TABLE		12 93 00
	HOSE BIBB	SEE CIVIL	32 84 00
	WATER FOUNTAIN TYPE 1		22 40 00
	WATER FOUNTAIN TYPE 2		22 40 00
	BENCH TYPE 1		12 93 00
	BENCH TYPE 2		12 93 00
	BENCH TYPE 3		12 93 00
	URBAN SWING SEATS		12 93 00
	BIKE RACK		12 93 00
	TRASH AND RECYCLE RECEPTACLE TYPE 1		12 93 00
	TRASH AND RECYCLE RECEPTACLE TYPE 2		12 93 00
	REMOVABLE BOLLARDS		12 93 00
	FIRE HYDRANT		33 14 16
	SIGNAGE		
	COMPANION SEATING SPACE		
	BASKETBALL GOAL		12 93 00

## LEGEND

- PROPERTY LINE
- LIMIT OF WORK
- MEAN HIGH WATER LINE (MHW LINE)
- PA PLANTING AREA

7/1/2021 ANS A (8.50 x 11.00 inches)

## 1 FURNISHINGS PLAN - SECTOR 1

SCALE: 1" = 80'-0"





# INDIA BASIN SHORELINE PARK

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PH. 415-495-4014



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GUSTAFSON GUTHRIE NICHOL  
PH. 206-903-8802

CIVIL ENGINEER  
SHERWOOD DESIGN ENGINEERS  
PH. 415-348-9650

ARCHITECT  
JENSEN ARCHITECTS  
PH. 415-348-9650  
ECOLOGICAL RESTORATION  
RANA CREEK  
PH. 831-659-3820

STRUCTURAL ENGINEER  
JON BRODY STRUCTURAL ENGINEERS  
PH. 415-296-9494

COASTAL ENGINEER  
MOFFATT AND NICHOL  
PH. 925-944-5411

LIGHTING  
NITEO CALIFORNIA  
PH. 415-666-2232

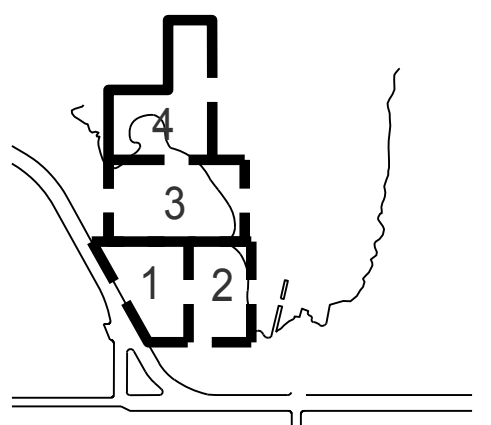
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INTERFACE ENGINEERING  
PH. 415-489-7240

GEOTECHNICAL ENGINEER  
AGS, INC  
PH. 415-957-9240

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ZBETA CONSULTING  
PH. 415-259-0422

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KEY PLAN



REVISIONS:

NO.	DATE	DESCRIPTION

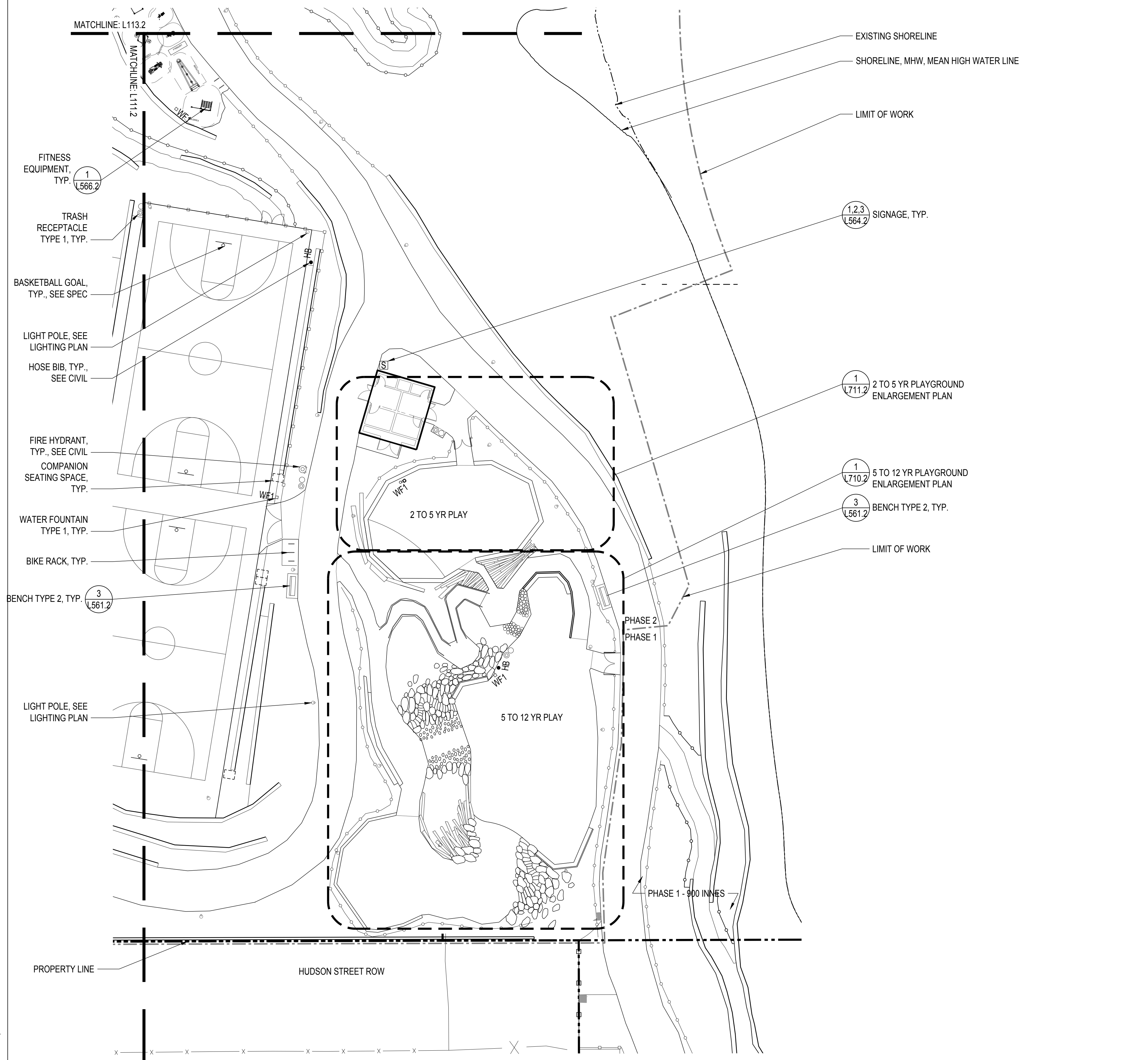
ISSUANCE

90% CONSTRUCTION DOCUMENTS

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DATE	GGN PROJECT #
7/01/2021	1608

## FURNISHINGS PLAN - SECTOR 2

# L122.2



### FURNITURE SCHEDULE

SYMBOL	DESCRIPTION	DETAIL	SPEC
□ □ □	PICNIC GRILL		XX XX XX
▭	PICNIC TABLE		12 93 00
•HB	HOSE BIBB	SEE CIVIL	32 84 00
◻WF1	WATER FOUNTAIN TYPE 1	1 L563.2	22 40 00
◻WF2	WATER FOUNTAIN TYPE 2		22 40 00
▭	BENCH TYPE 1	1 L561.2	12 93 00
▭	BENCH TYPE 2	3 L561.2	12 93 00
▭	BENCH TYPE 3	1 L562.2	12 93 00
▭	URBAN SWING SEATS	3 L562.2	12 93 00
	BIKE RACK		12 93 00
⊙	TRASH AND RECYCLE RECEPTACLE TYPE 1		12 93 00
⊙	TRASH AND RECYCLE RECEPTACLE TYPE 2		12 93 00
•	REMOVABLE BOLLARDS	2 L563.2	12 93 00
⊙	FIRE HYDRANT		33 14 16
△(S)⊙	SIGNAGE	1,2,3 L564.2	
□	COMPANION SEATING SPACE		
○	BASKETBALL GOAL		12 93 00

### LEGEND

- PROPERTY LINE
- LIMIT OF WORK
- MEAN HIGH WATER LINE (MHW LINE) -
- PA PLANTING AREA



1 FURNISHINGS PLAN - SECTOR 2  
SCALE: 1" = 80'-0"

7/1/2021 ANS A (8.50 x 11.00 inches)



# FURNITURE SCHEDULE

SYMBOL	DESCRIPTION	DETAIL	SPEC
☐ ☐ ☐	PICNIC GRILL		XX XX XX
☐	PICNIC TABLE		12 93 00
•HB	HOSE BIBB	SEE CIVIL	32 84 00
WF1	WATER FOUNTAIN TYPE 1	1 L563.2	22 40 00
WF2	WATER FOUNTAIN TYPE 2		22 40 00

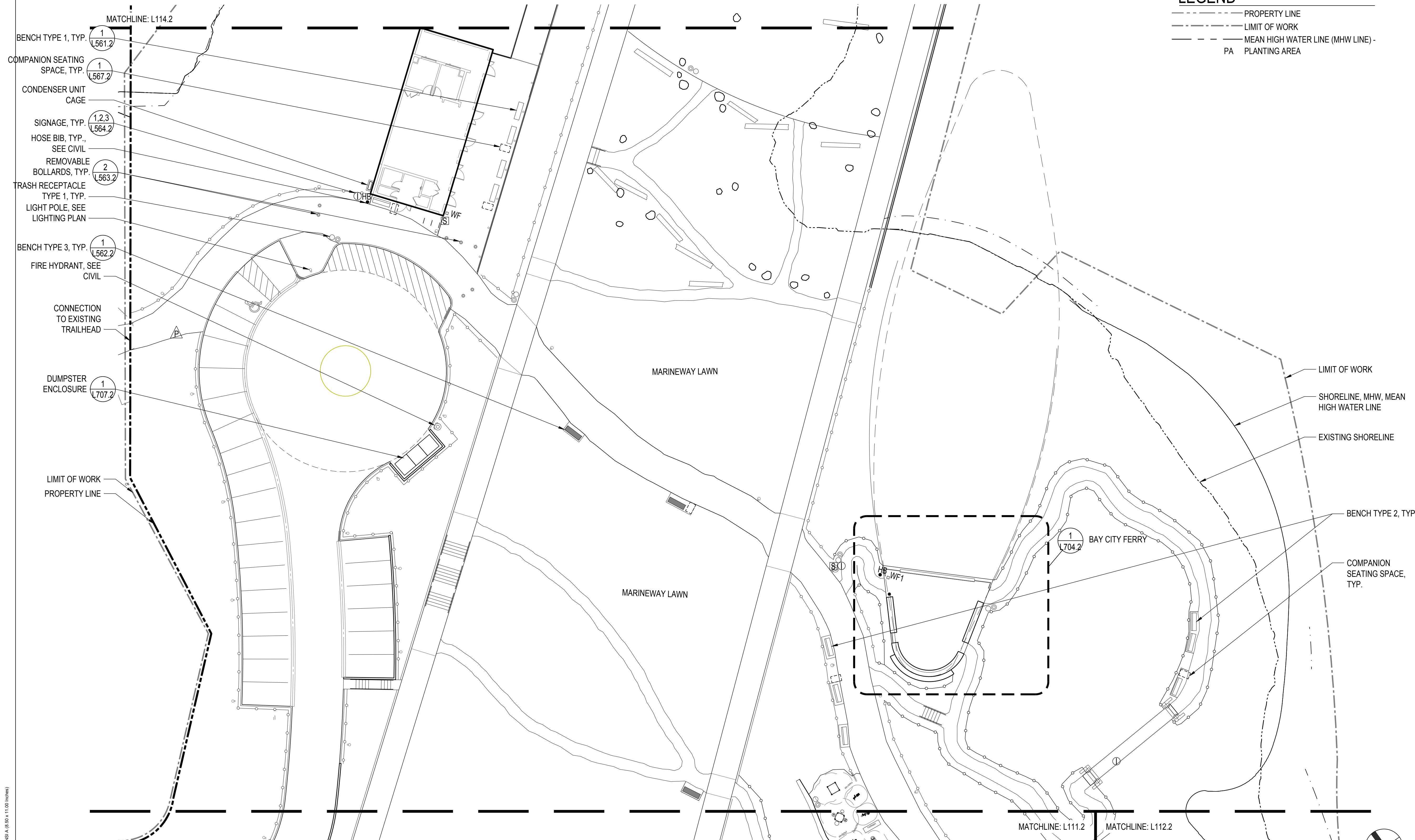
SYMBOL	DESCRIPTION	DETAIL	SPEC
—	BENCH TYPE 1	1 L561.2	12 93 00
—	BENCH TYPE 2	3 L561.2	12 93 00
—	BENCH TYPE 3	1 L562.2	12 93 00
—	URBAN SWING SEATS	3 L562.2	12 93 00

SYMBOL	DESCRIPTION	DETAIL	SPEC
	BIKE RACK		12 93 00
◎	TRASH AND RECYCLE RECEPTACLE TYPE 1		12 93 00
☐	TRASH AND RECYCLE RECEPTACLE TYPE 2		12 93 00
•	REMOVABLE BOLLARDS	2 L563.2	12 93 00

SYMBOL	DESCRIPTION	DETAIL	SPEC
⊙	FIRE HYDRANT		33 14 16
△ S ⊙	SIGNAGE	1,2,3 L564.2	
☐	COMPANION SEATING SPACE		
—	BASKETBALL GOAL		12 93 00

## LEGEND

- PROPERTY LINE
- - - LIMIT OF WORK
- · - MEAN HIGH WATER LINE (MHW LINE)
- PA PLANTING AREA



# INDIA BASIN SHORELINE PARK

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GUSTAFSON GUTHRIE NICHOL  
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SHERWOOD DESIGN ENGINEERS  
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ARCHITECT  
JENSEN ARCHITECTS  
PH. 415-348-9650

ECOLOGICAL RESTORATION  
RANA CREEK  
PH. 831-659-3820

STRUCTURAL ENGINEER  
JON BRODY STRUCTURAL ENGINEERS  
PH. 415-296-9494

COASTAL ENGINEER  
MOFFATT AND NICHOL  
PH. 925-944-5411

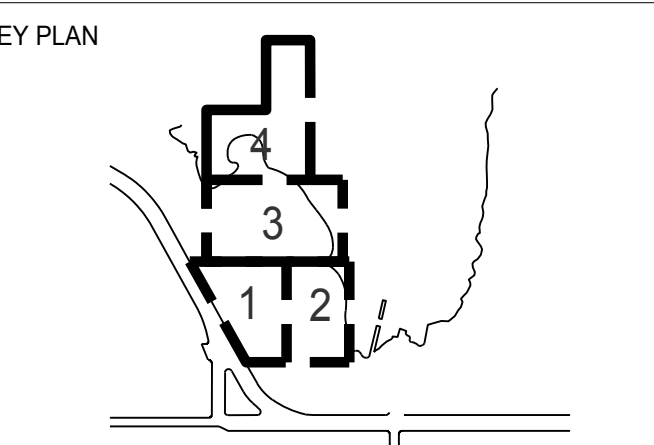
LIGHTING  
NITEO CALIFORNIA  
PH. 415-666-2232

MEP & IT  
INTERFACE ENGINEERING  
PH. 415-489-7240

GEOTECHNICAL ENGINEER  
AGS, INC  
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REVISIONS:

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ISSUANCE  
90% CONSTRUCTION DOCUMENTS

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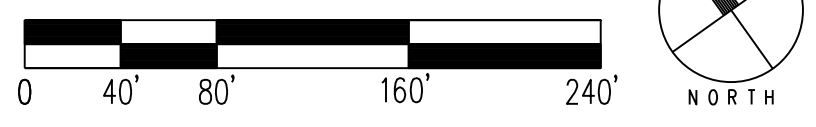
DATE: 7/01/2021 GGN PROJECT # 1608

## FURNISHINGS PLAN - SECTOR 3

# L123.2

7/1/2021 ANS A (8.50 x 11.00 inches)

1 FURNISHINGS PLAN - SECTOR 3  
SCALE: 1" = 80'-0"





# INDIA BASIN SHORELINE PARK

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PH. 415-666-2232

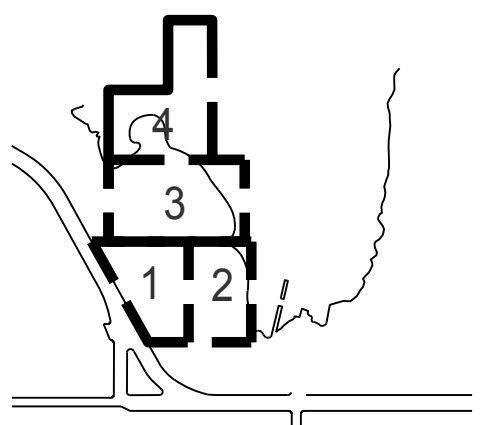
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KEY PLAN



### REVISIONS:

NO.	DATE	DESCRIPTION

ISSUANCE

### 90% CONSTRUCTION DOCUMENTS

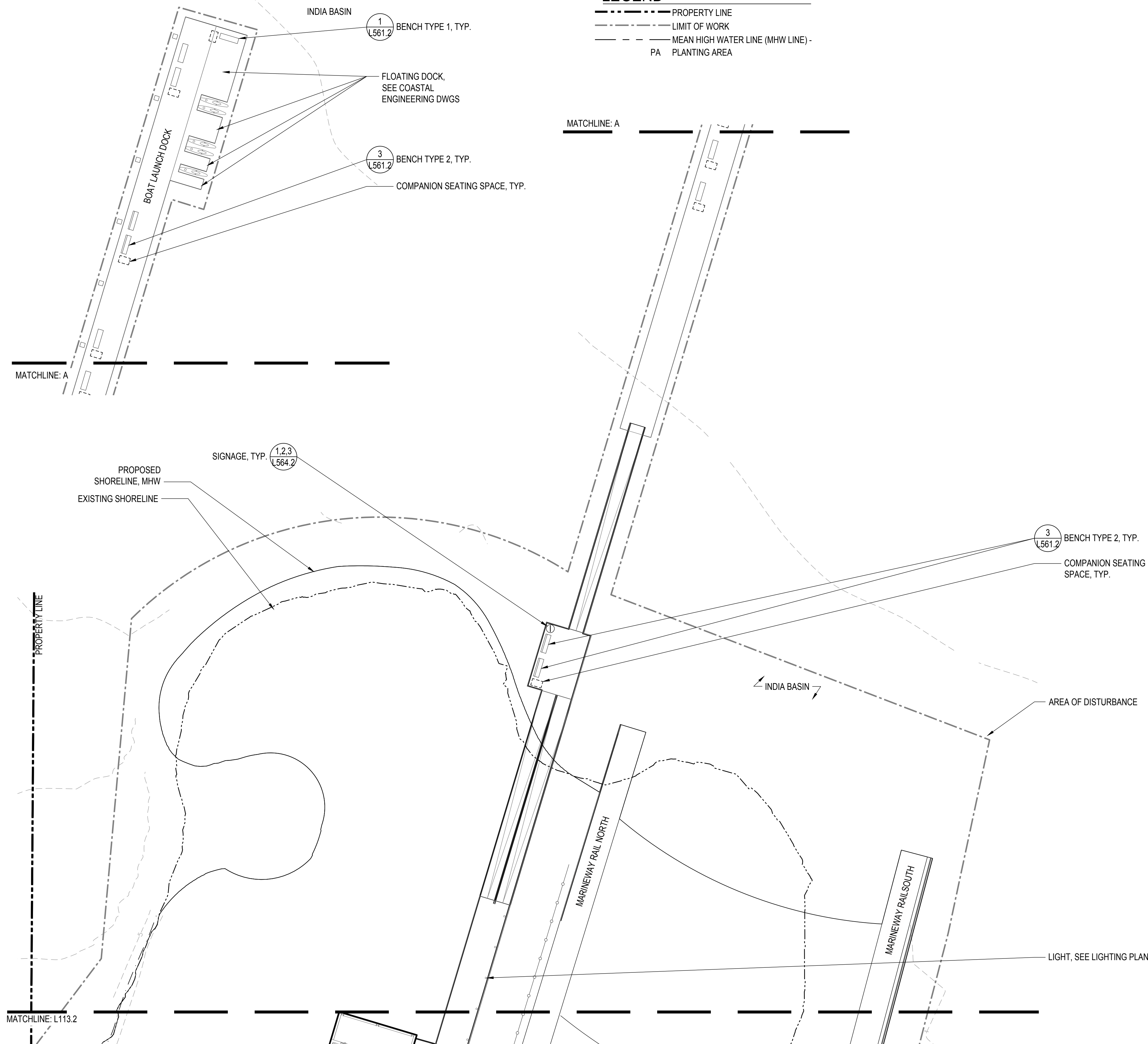
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DATE	GGN PROJECT #
7/01/2021	1608

## FURNISHINGS PLAN - SECTOR 4

# L124.2

### LEGEND

- PROPERTY LINE
- - - LIMIT OF WORK
- - - MEAN HIGH WATER LINE (MHW LINE)
- PA PLANTING AREA



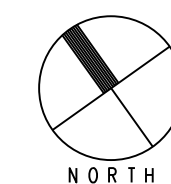
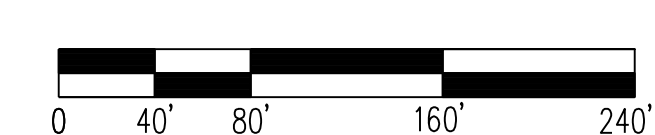
### FURNITURE SCHEDULE

SYMBOL	DESCRIPTION	DETAIL	SPEC
□ □ □	PICNIC GRILL		XX XX XX
▭	PICNIC TABLE		12 93 00
•HB	HOSE BIBB	SEE CIVIL	32 84 00
-WF1	WATER FOUNTAIN TYPE 1	1 L563.2	22 40 00
-WF2	WATER FOUNTAIN TYPE 2		22 40 00
▭	BENCH TYPE 1	1 L561.2	12 93 00
▭	BENCH TYPE 2	3 L561.2	12 93 00
▭	BENCH TYPE 3	1 L562.2	12 93 00
▭	URBAN SWING SEATS	3 L562.2	12 93 00
	BIKE RACK		12 93 00
⊙	TRASH AND RECYCLE RECEPTACLE TYPE 1		12 93 00
⊙	TRASH AND RECYCLE RECEPTACLE TYPE 2		12 93 00
•	REMOVABLE BOLLARDS	2 L563.2	12 93 00
⊙	FIRE HYDRANT		33 14 16
⊙	SIGNAGE	1,2,3 L564.2	
□	COMPANION SEATING SPACE		
○	BASKETBALL GOAL		12 93 00

7/1/2021 ANS A (8.50 x 11.00 inches)

## 1 FURNISHINGS PLAN - SECTOR 4

SCALE: 1" = 80'-0"









# INDIA BASIN SHORELINE PARK

CITY AND COUNTY OF SAN FRANCISCO  
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101 MONTGOMERY STREET  
SUITE 900  
SAN FRANCISCO, CA 94104  
PH. 415-495-4014



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GUSTAFSON GUTHRIE NICHOL  
PH. 206-903-8802

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SHERWOOD DESIGN ENGINEERS  
PH. 415-348-9650

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JENSEN ARCHITECTS  
PH. 415-348-9650

ECOLOGICAL RESTORATION  
RANA CREEK  
PH. 831-659-3820

STRUCTURAL ENGINEER  
JON BRODY STRUCTURAL ENGINEERS  
PH. 415-296-9494

COASTAL ENGINEER  
MOFFATT AND NICHOL  
PH. 925-944-5411

LIGHTING  
NITEO CALIFORNIA  
PH. 415-666-2232

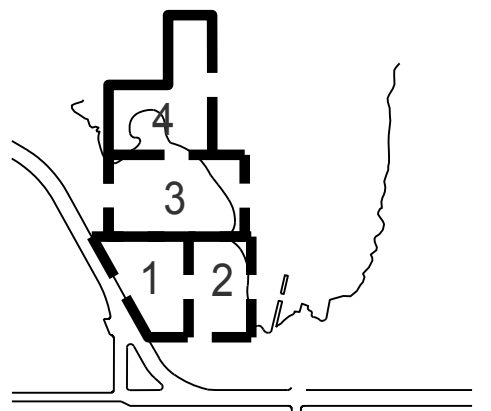
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INTERFACE ENGINEERING  
PH. 415-489-7240

GEOTECHNICAL ENGINEER  
AGS, INC  
PH. 415-957-9240

SECURITY CONSULTANT  
ZBETA CONSULTING  
PH. 415-259-0422

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KEY PLAN



REVISIONS:

NO.	DATE	DESCRIPTION

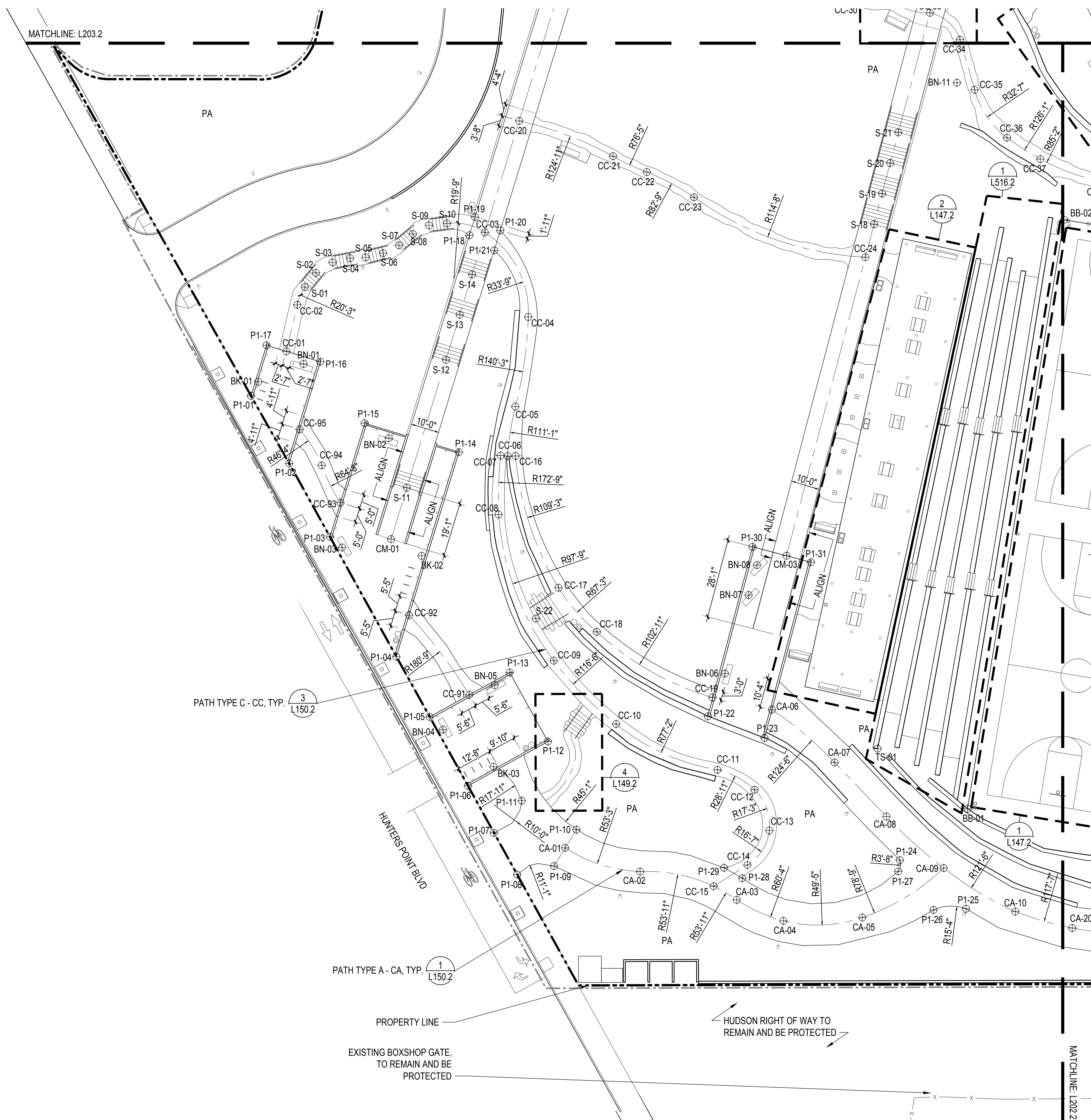
ISSUANCE

90% CONSTRUCTION DOCUMENTS

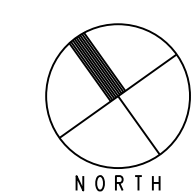
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7/01/2021	1608

LAYOUT PLAN -  
SECTOR 1

L141.2



1 LAYOUT PLAN - SECTOR 1  
SCALE: 1"= 20'-0"









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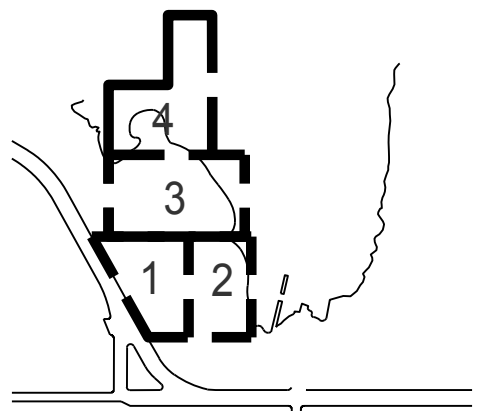
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FOR OFFICIAL USE

KEY PLAN



REVISIONS:

NO.	DATE	DESCRIPTION

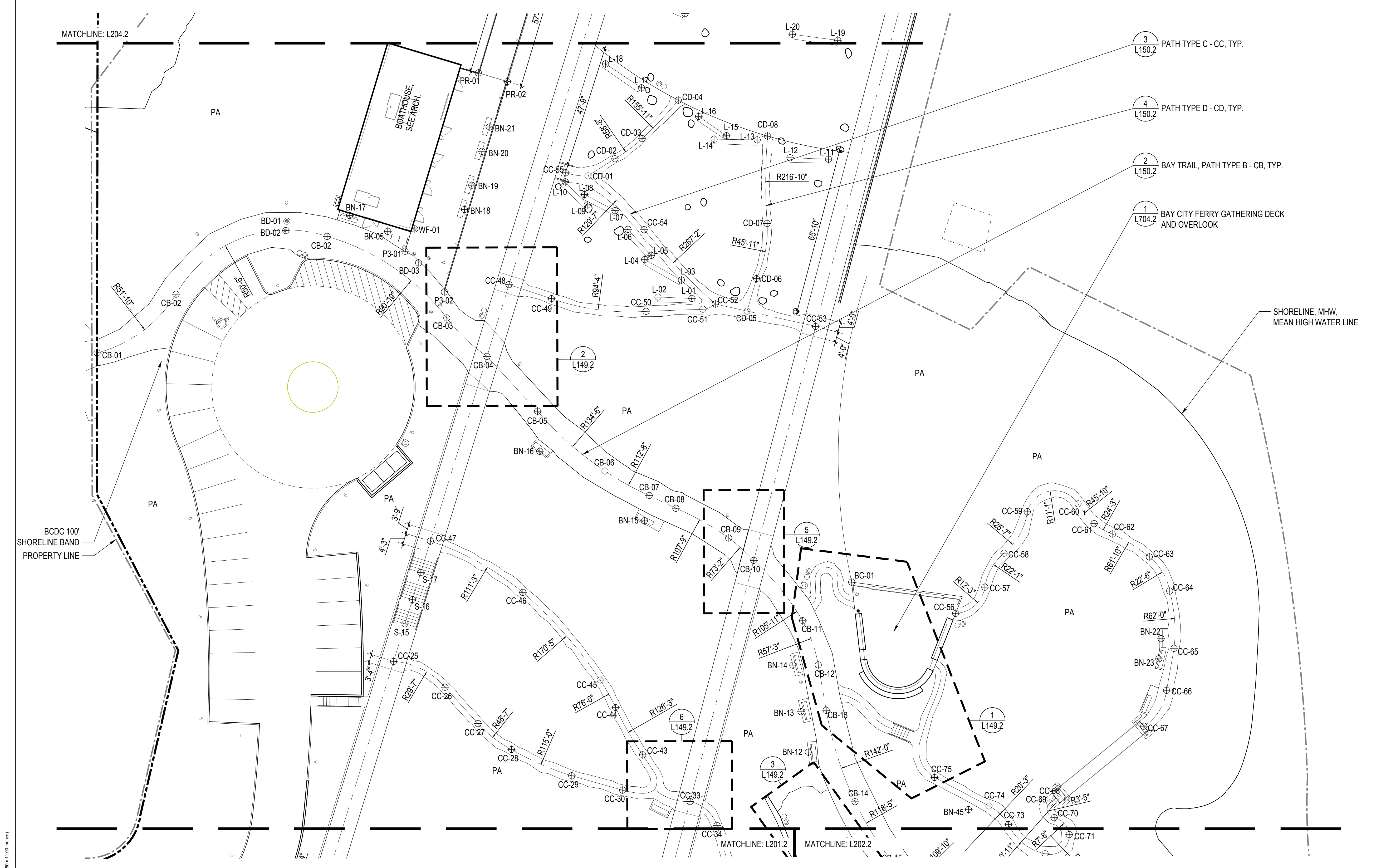
ISSUANCE

90% CONSTRUCTION DOCUMENTS

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DATE	GGN PROJECT #
7/01/2021	1608

LAYOUT PLAN -  
SECTOR 3

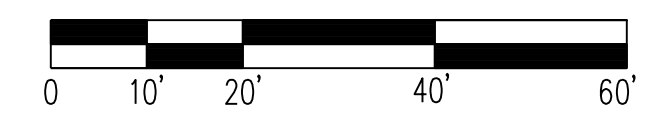
L143.2



MATCHLINE: L204.2

MATCHLINE: L201.2 MATCHLINE: L202.2

1 LAYOUT PLAN - SECTOR 3  
SCALE: 1" = 20'-0"



7/1/2021 ANS A (8.50 x 11.00 inches)



# INDIA BASIN SHORELINE PARK

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LIGHTING  
NITEO CALIFORNIA  
PH. 415-666-2232

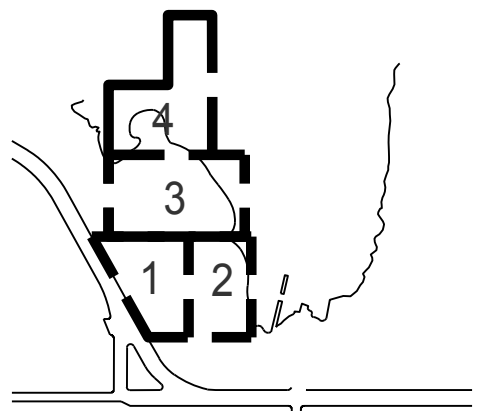
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FOR OFFICIAL USE

KEY PLAN



REVISIONS:

NO.	DATE	DESCRIPTION

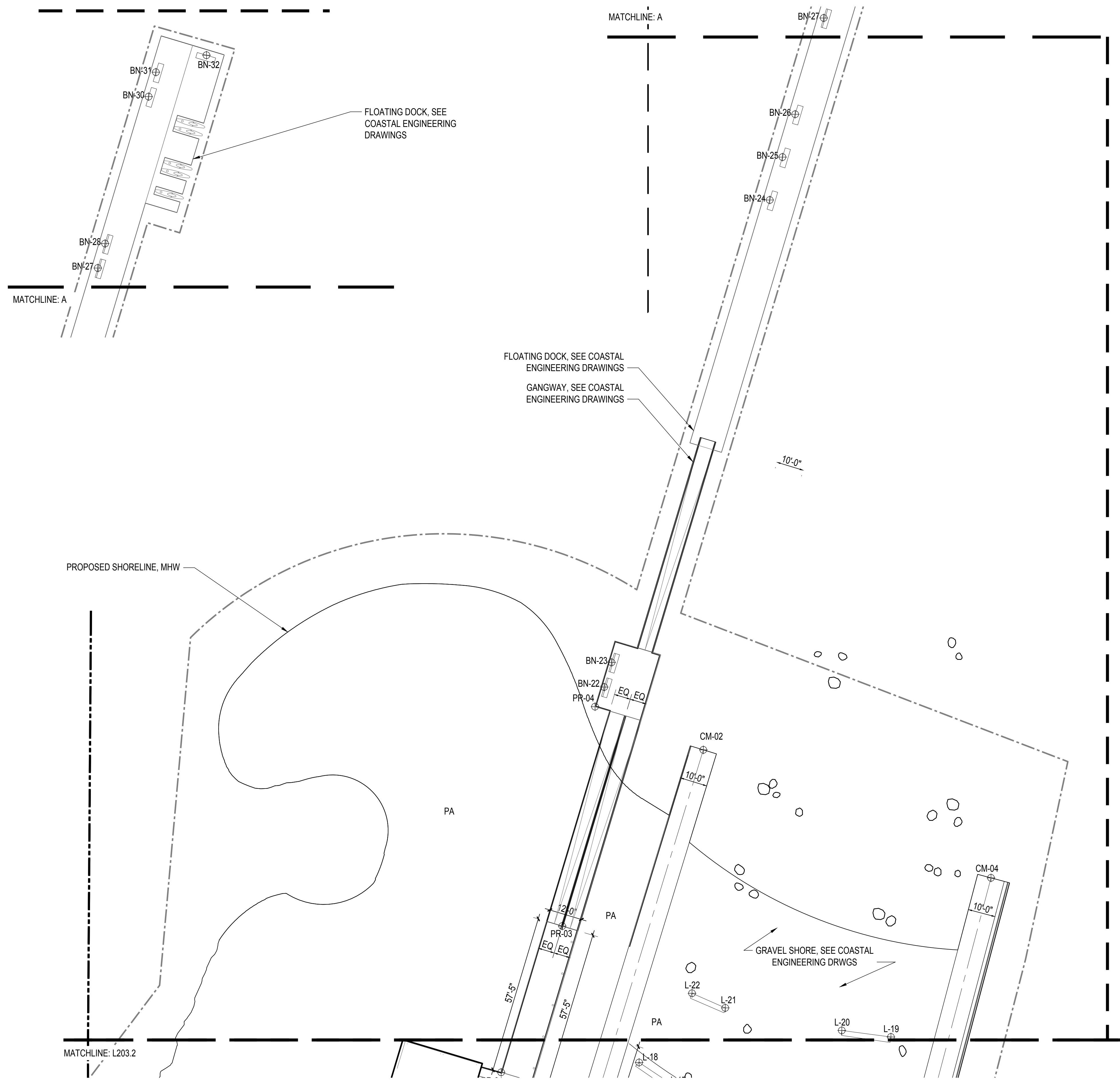
ISSUANCE

90% CONSTRUCTION DOCUMENTS

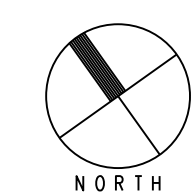
DRAWN BY	CHECKED BY
DATE	GGN PROJECT #
7/01/2021	1608

LAYOUT PLAN -  
SECTOR 4

L144.2



1 LAYOUT PLAN - SECTOR 4  
SCALE: 1" = 20'-0"



7/1/2021 ANS A (8.50 x 11.00 inches)







# ENLARGEMENT LAYOUT POINTS (FT)

POINT	NORTHING	EASTING
B-01	72735.1433(N)	178782.1183(E)
BB-05	72735.0834(N)	178790.5329(E)
BB-06	72801.6370(N)	178856.9148(E)
BB-07	72766.3274(N)	178892.3156(E)
BB-08	72699.7739(N)	178825.9337(E)
BB-09	72810.1331(N)	178865.3891(E)
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BB-11	72841.3772(N)	178967.1718(E)
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BD-05	73198.6015(N)	178974.8915(E)
BD-06	73189.7109(N)	178969.7343(E)
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BN-34	72844.9655(N)	178798.1126(E)
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PL-47	72685.5964(N)	178918.7180(E)

PL-48	72678.2283(N)	1789
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# INDIA BASIN SHORELINE PARK

CITY AND COUNTY OF SAN FRANCISCO  
RECREATION AND PARKS DEPARTMENT  
49 SOUTH VAN NESS AVENUE, SUITE 1220  
SAN FRANCISCO, CA 94102  
PH. 415-831-2700



THE TRUST FOR PUBLIC LAND  
101 MONTGOMERY STREET  
SUITE 900  
SAN FRANCISCO, CA 94104  
PH. 415-495-4014



PRIME CONSULTANT / LANDSCAPE ARCHITECT  
GUSTAFSON GUTHRIE NICHOL  
PH. 206-903-8802

CIVIL ENGINEER  
SHERWOOD DESIGN ENGINEERS  
PH. 415-348-9650

ARCHITECT  
JENSEN ARCHITECTS  
PH. 415-348-9650

ECOLOGICAL RESTORATION  
RANA CREEK  
PH. 831-659-3820

STRUCTURAL ENGINEER  
JON BRODY STRUCTURAL ENGINEERS  
PH. 415-296-9494

COASTAL ENGINEER  
MOFFATT AND NICHOL  
PH. 925-944-5411

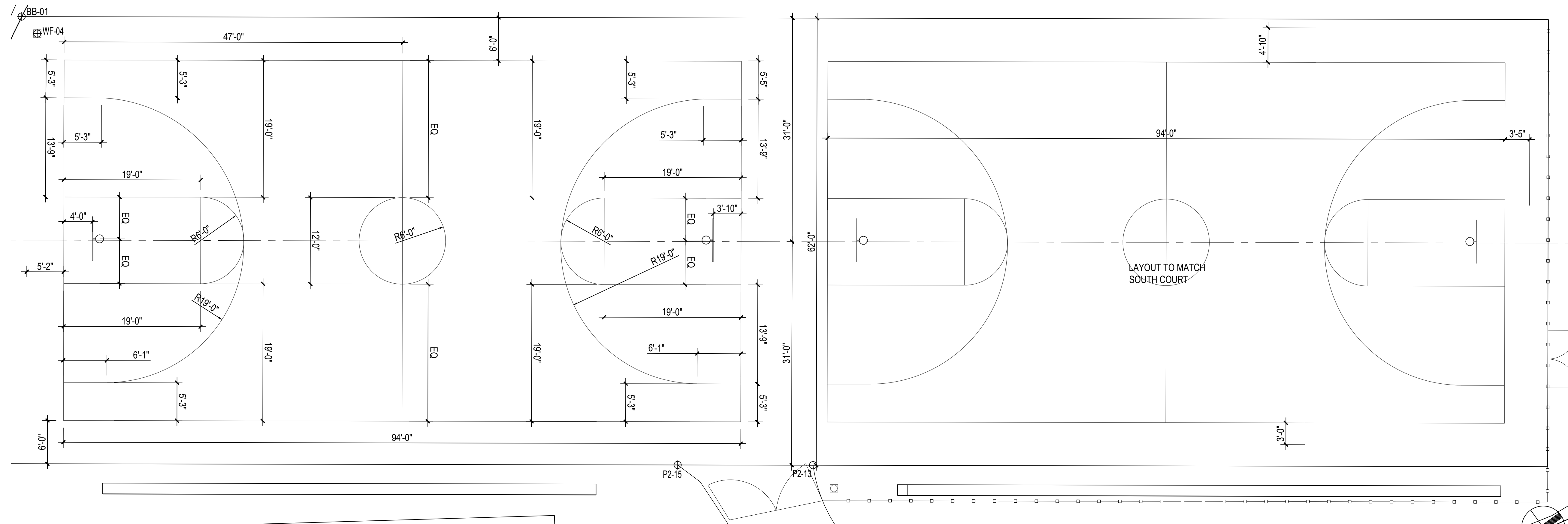
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NITEO CALIFORNIA  
PH. 415-666-2232

MEP & IT  
INTERFACE ENGINEERING  
PH. 415-489-7240

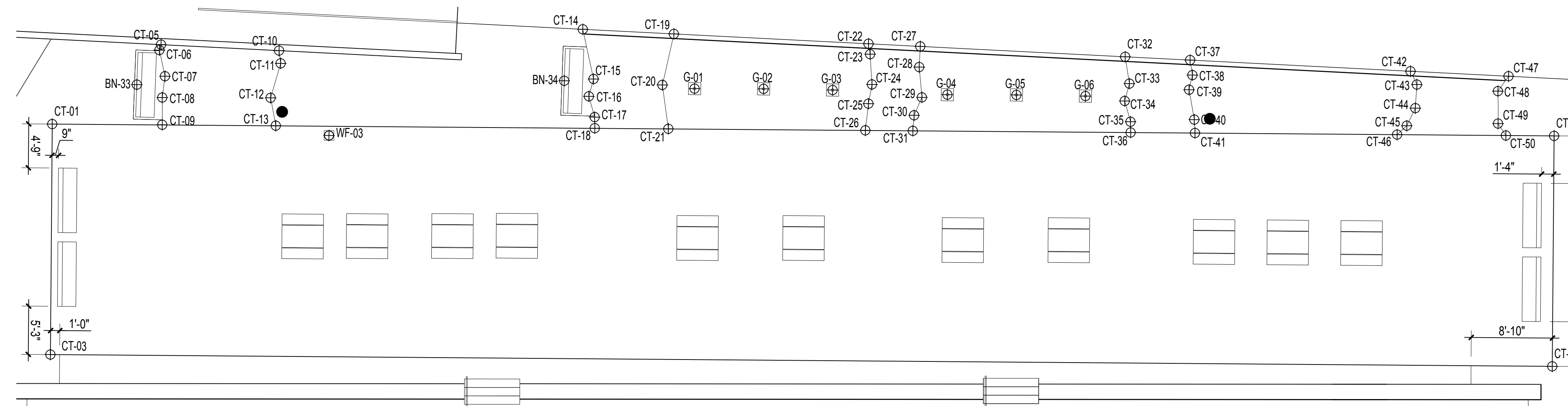
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AGS, INC  
PH. 415-957-9240

SECURITY CONSULTANT  
ZBETA CONSULTING  
PH. 415-259-0422

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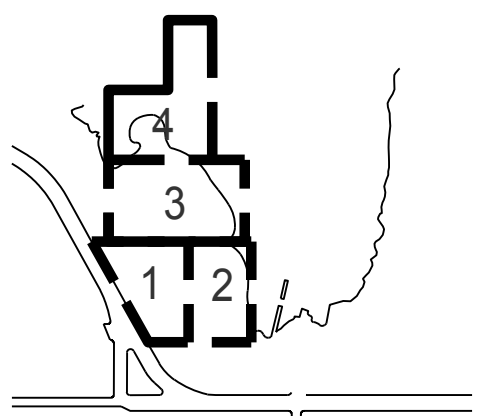


**1 ENLARGEMENT - BASKETBALL COURT**  
SCALE: 1/8" = 1'-0"



**2 ENLARGEMENT - COOKOUT TERRACE**  
SCALE: 1/8" = 1'-0"

KEY PLAN



REVISIONS:

NO.	DATE	DESCRIPTION

ISSUANCE

90% CONSTRUCTION DOCUMENTS

DRAWN BY	CHECKED BY
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DATE	GGN PROJECT #
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7/01/2021	1608
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LAYOUT  
ENLARGEMENTS

L147.2



# INDIA BASIN SHORELINE PARK

CITY AND COUNTY OF SAN FRANCISCO  
RECREATION AND PARKS DEPARTMENT  
49 SOUTH VAN NESS AVENUE, SUITE 1220  
SAN FRANCISCO, CA 94102  
PH. 415-831-2700



THE TRUST FOR PUBLIC LAND  
101 MONTGOMERY STREET  
SUITE 900  
SAN FRANCISCO, CA 94104  
PH. 415-495-4014



PRIME CONSULTANT / LANDSCAPE ARCHITECT  
GUSTAFSON GUTHRIE NICHOL  
PH. 206-903-8802

CIVIL ENGINEER  
SHERWOOD DESIGN ENGINEERS  
PH. 415-348-9650

ARCHITECT  
JENSEN ARCHITECTS  
PH. 415-348-9650

ECOLOGICAL RESTORATION  
RANA CREEK  
PH. 831-659-3820

STRUCTURAL ENGINEER  
JON BRODY STRUCTURAL ENGINEERS  
PH. 415-296-9494

COASTAL ENGINEER  
MOFFATT AND NICHOL  
PH. 925-944-5411

LIGHTING  
NITEO CALIFORNIA  
PH. 415-666-2232

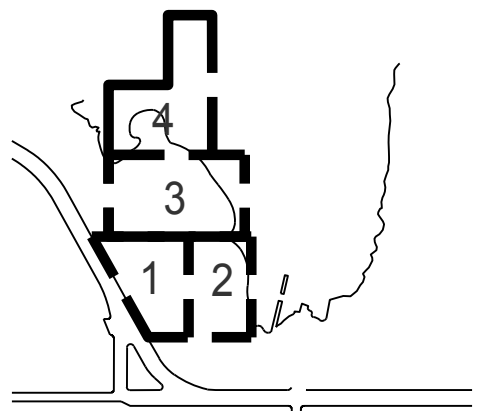
MEP & IT  
INTERFACE ENGINEERING  
PH. 415-489-7240

GEOTECHNICAL ENGINEER  
AGS, INC  
PH. 415-957-9240

SECURITY CONSULTANT  
ZBETA CONSULTING  
PH. 415-259-0422

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KEY PLAN



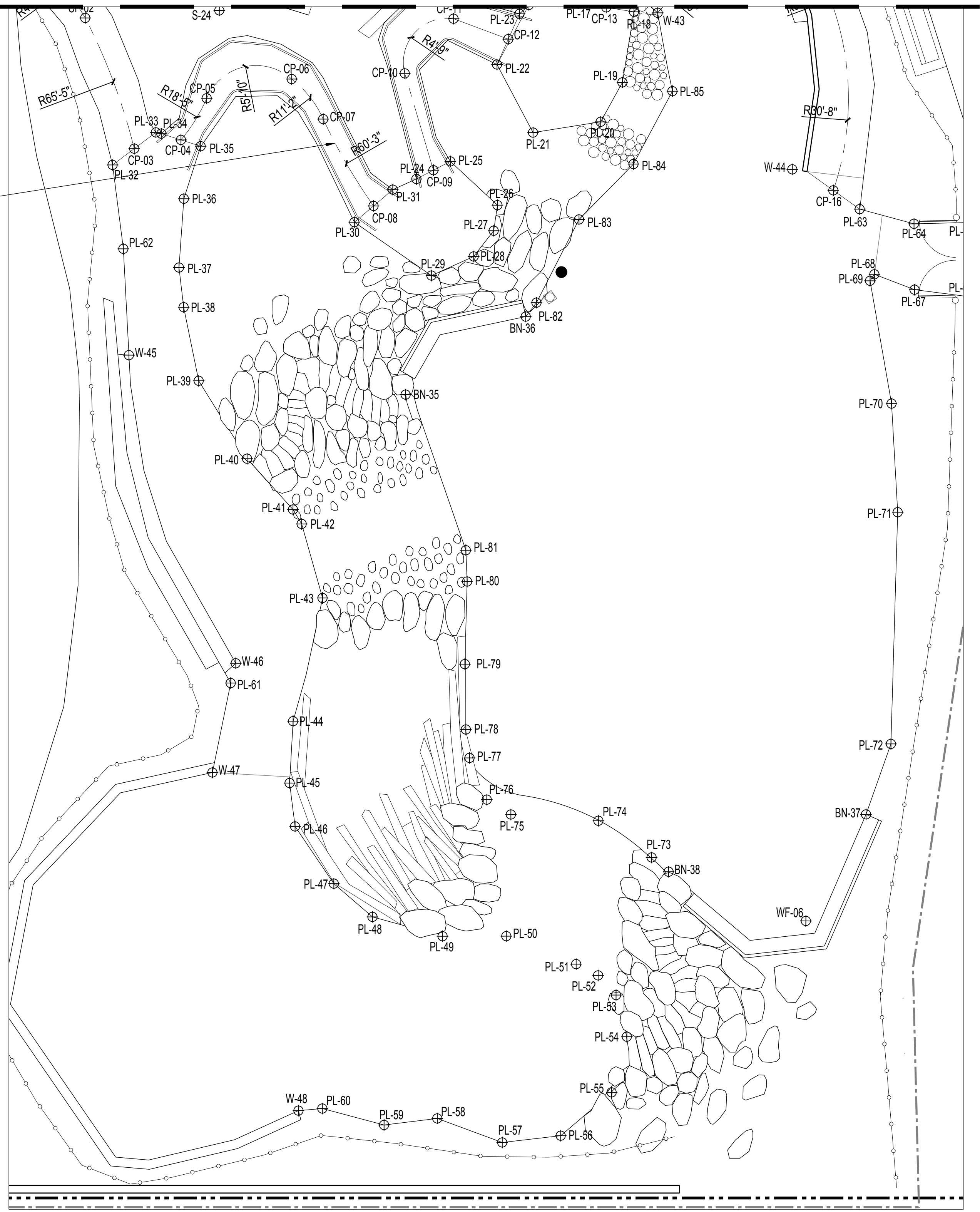
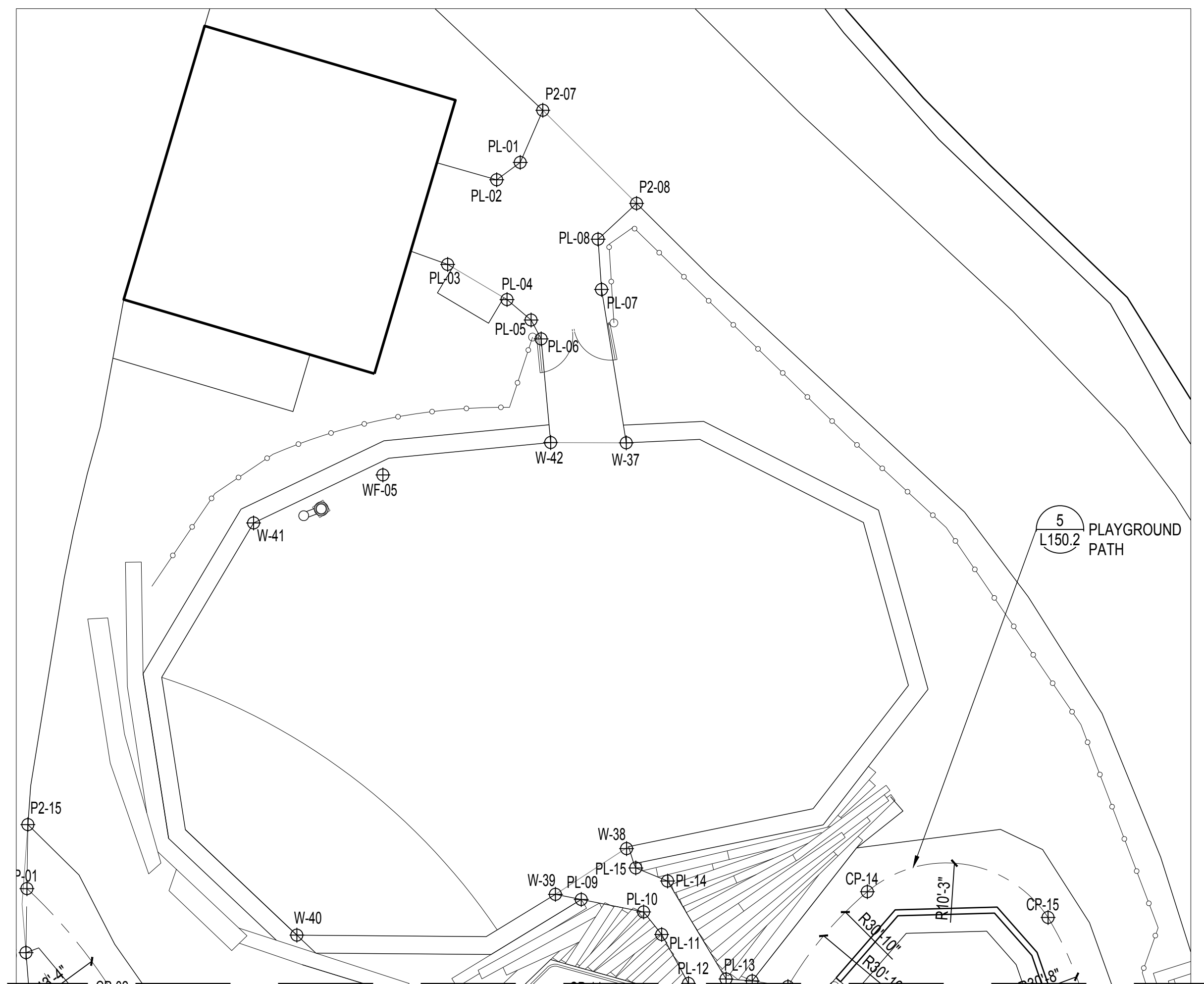
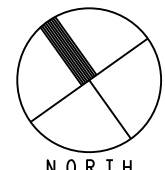
REVISIONS:

NO.	DATE	DESCRIPTION

ISSUANCE

90% CONSTRUCTION DOCUMENTS

DRAWN BY	CHECKED BY
DATE	GGN PROJECT #
7/01/2021	1608



1 ENLARGEMENT - PLAYGROUND  
SCALE: 1/8" = 1'-0"







# INDIA BASIN SHORELINE PARK

CITY AND COUNTY OF SAN FRANCISCO  
RECREATION AND PARKS DEPARTMENT  
49 SOUTH VAN NESS AVENUE, SUITE 1220  
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CIVIL ENGINEER  
SHERWOOD DESIGN ENGINEERS  
PH. 415-348-9650

ARCHITECT  
JENSEN ARCHITECTS  
PH. 415-348-9650  
ECOLOGICAL RESTORATION  
RANA CREEK  
PH. 831-659-3820

STRUCTURAL ENGINEER  
JON BRODY STRUCTURAL ENGINEERS  
PH. 415-296-9494

COASTAL ENGINEER  
MOFFATT AND NICHOL  
PH. 925-944-5411

LIGHTING  
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PH. 415-666-2232

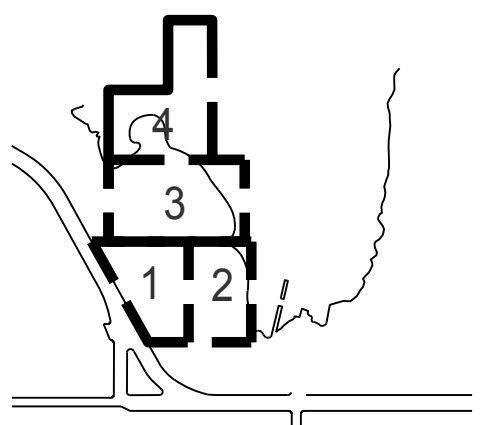
MEP & IT  
INTERFACE ENGINEERING  
PH. 415-489-7240

GEOTECHNICAL ENGINEER  
AGS, INC  
PH. 415-957-9240

SECURITY CONSULTANT  
ZBETA CONSULTING  
PH. 415-259-0422

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KEY PLAN



## REVISIONS:

NO.	DATE	DESCRIPTION

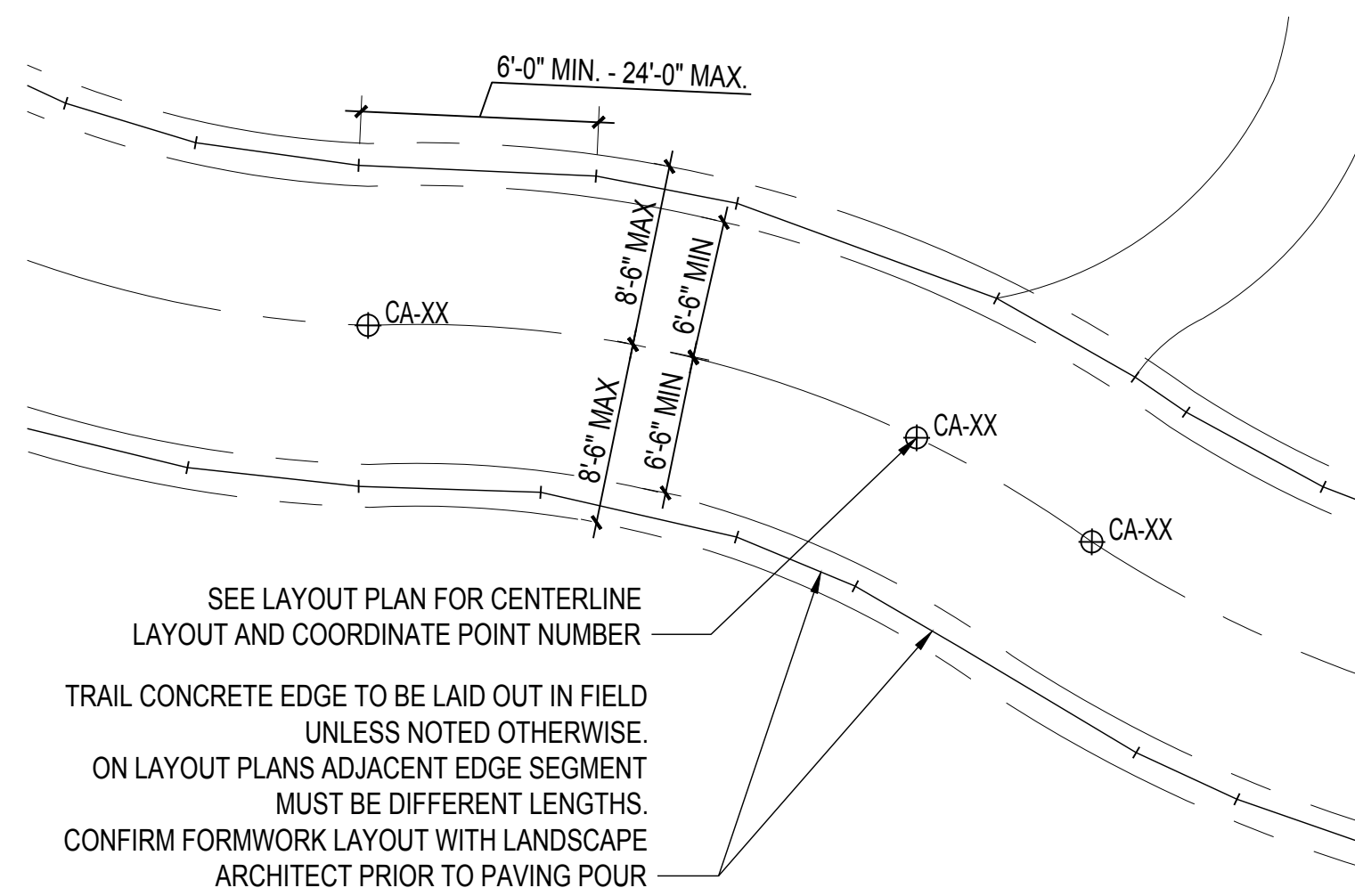
ISSUANCE

## 90% CONSTRUCTION DOCUMENTS

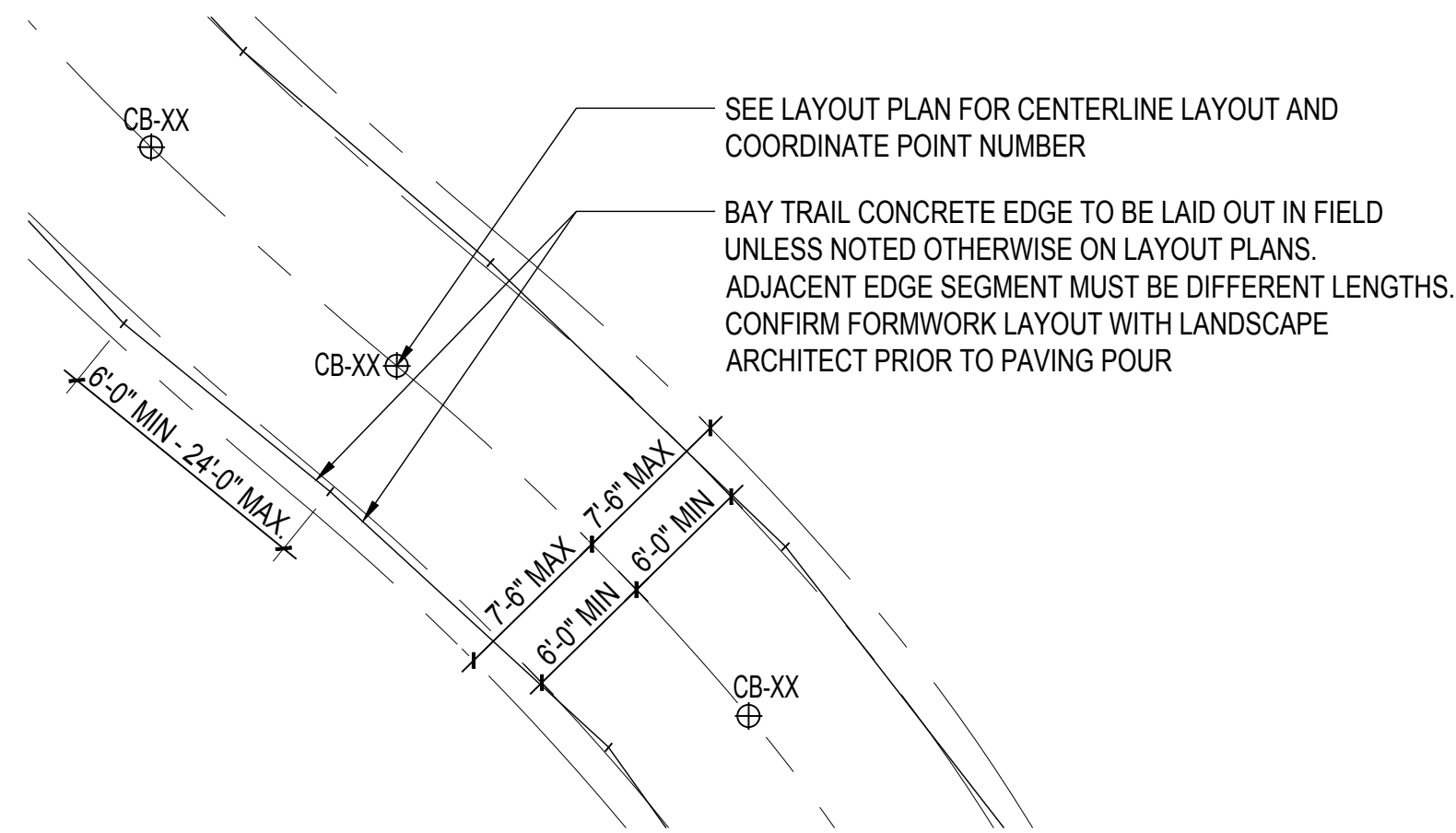
DRAWN BY	CHECKED BY
DATE	GGN PROJECT #
7/01/2021	1608

## LAYOUT PATH DETAILS

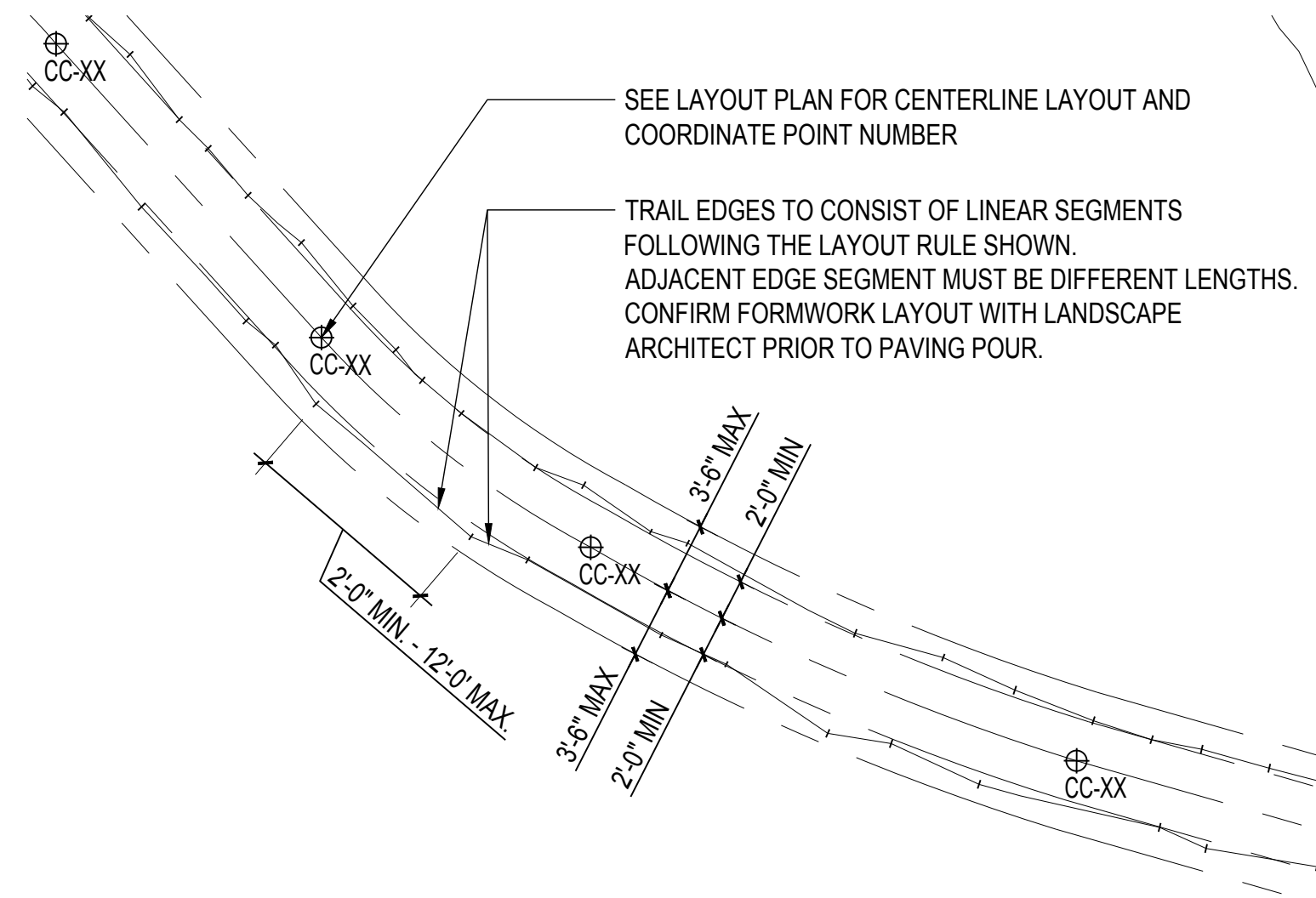
# L150.2



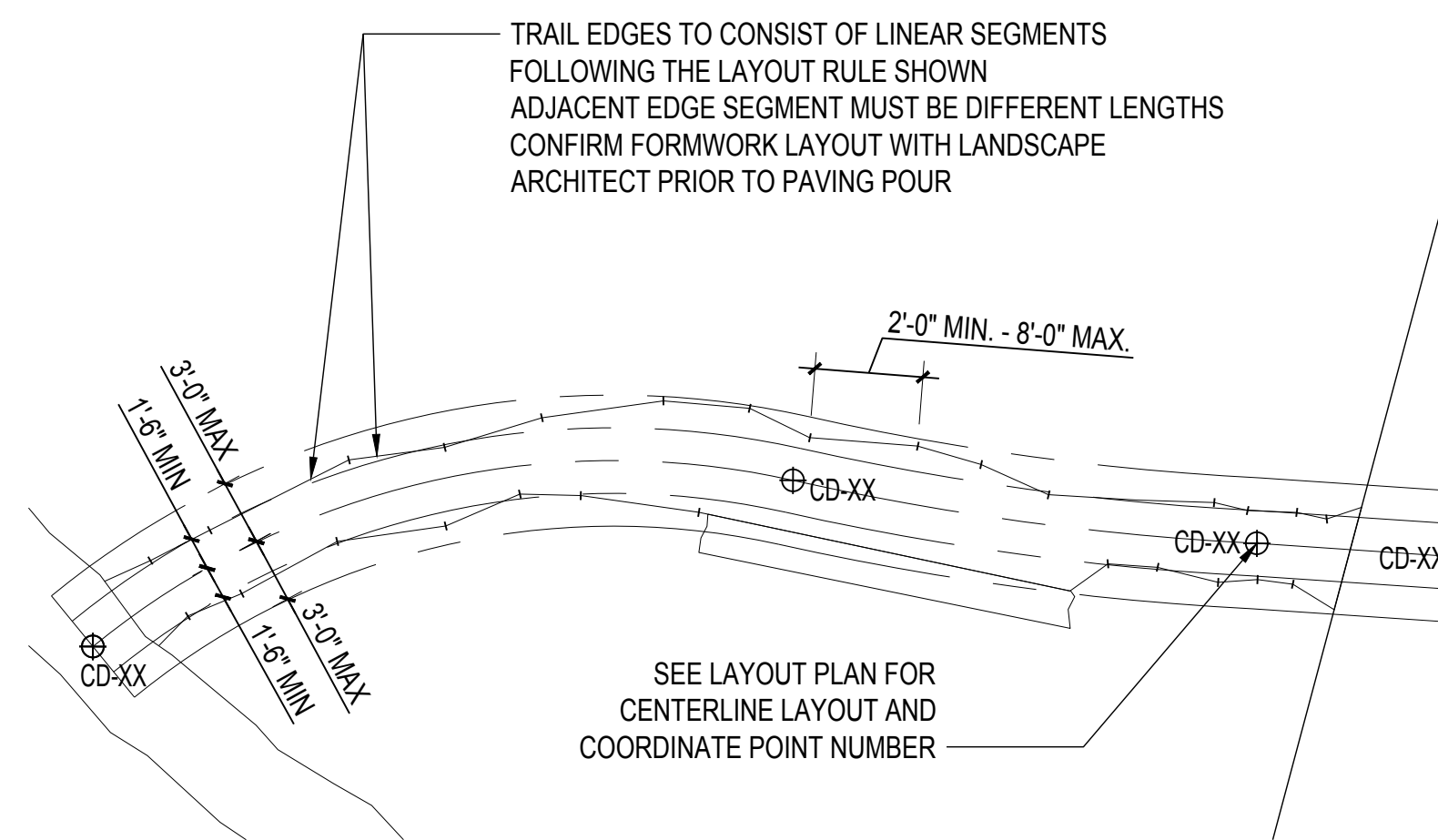
1 **DETAIL: PATH TYPE A - CA**  
SCALE: 1/8" = 1'-0"



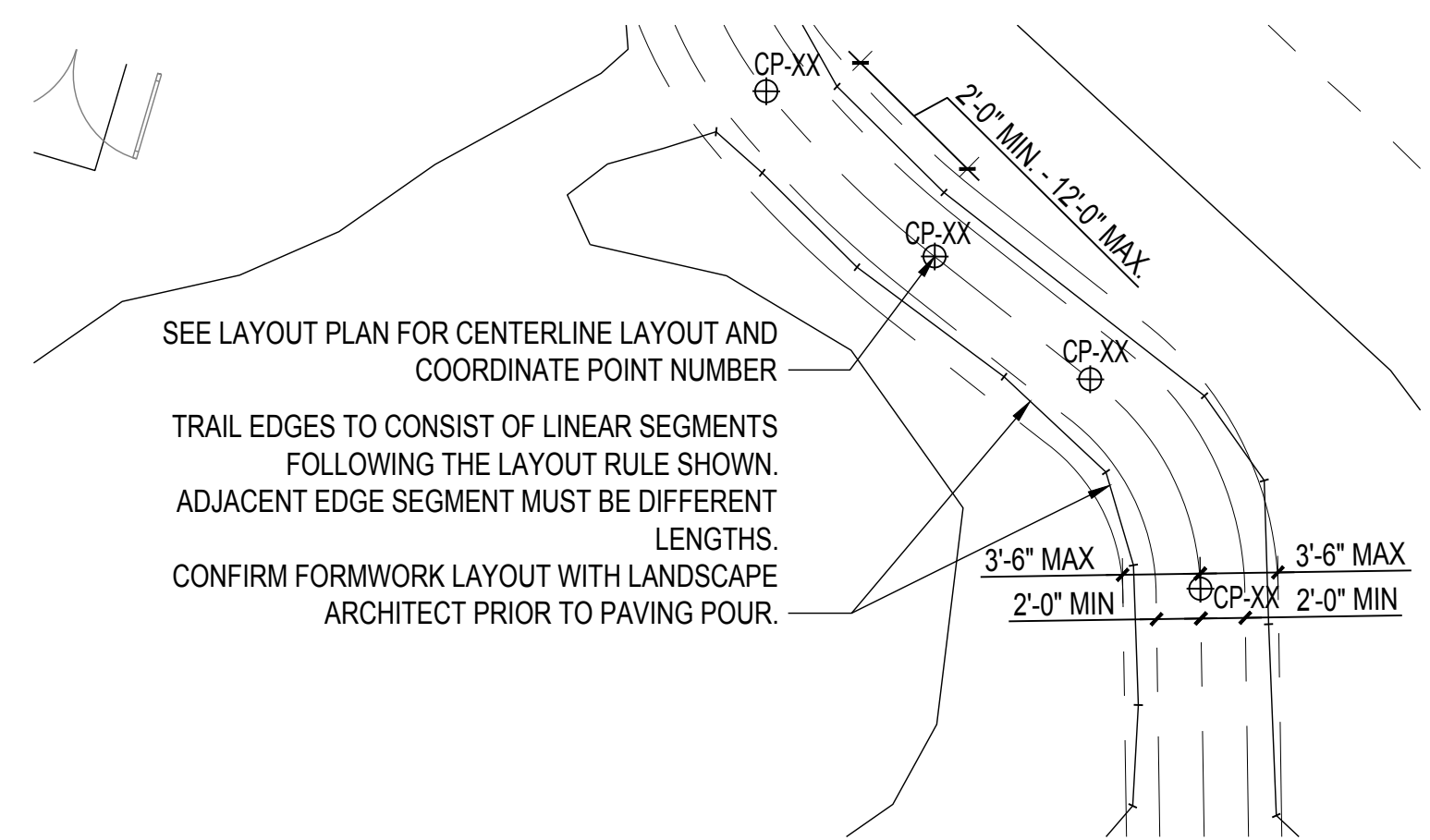
2 **DETAIL: PATH TYPE B - CB**  
SCALE: 1/8" = 1'-0"



3 **DETAIL: PATH TYPE C - CC**  
SCALE: 1/8" = 1'-0"



4 **DETAIL: PATH TYPE D - CD**  
SCALE: 1/8" = 1'-0"



5 **DETAIL: PLAYGROUND PATHS - CP**  
SCALE: 1/8" = 1'-0"



# INDIA BASIN SHORELINE PARK

CITY AND COUNTY OF SAN FRANCISCO  
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PH. 415-831-2700

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101 MONTGOMERY STREET  
SUITE 900  
SAN FRANCISCO, CA 94104  
PH. 415-495-4014

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GUSTAFSON GUTHRIE NICHOL  
PH. 206-903-8802

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JENSEN ARCHITECTS  
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PH. 831-659-3820

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JON BRODY STRUCTURAL ENGINEERS  
PH. 415-296-9494

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MOFFATT AND NICHOL  
PH. 925-944-5411

LIGHTING  
NITEO CALIFORNIA  
PH. 415-666-2232

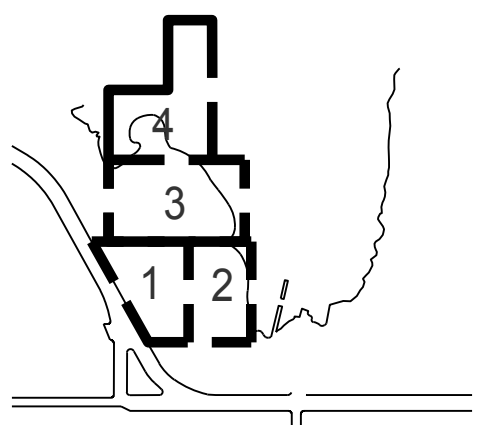
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## JOINTING PLAN - SECTOR 1

# L151.2

## JOINTING NOTES

- LAYOUT POINT NORTHING AND EASTING COORDINATES ARE IN FEET AND IN ACCORDANCE WITH XXX SYSTEM.
- JOINTING ON CONCRETE PATHS LAID OUT PERPENDICULAR FROM LAYOUT POINT TO PATH EDGE

## JOINTING LAYOUT POINTS (FT)

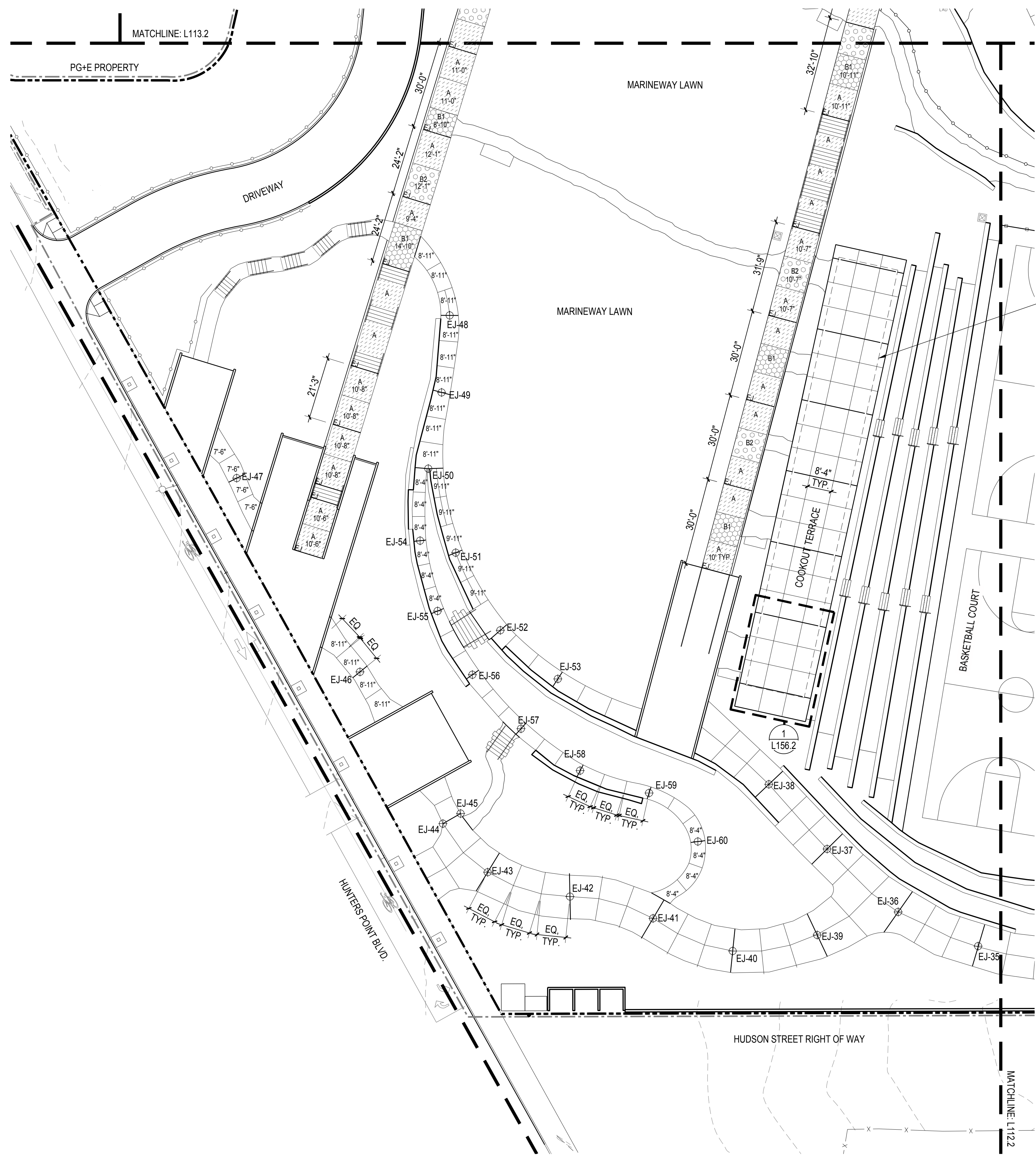
POINT	NORTHING	EASTING
EJ-32	72684.2246(N)	178783.5592(E)
EJ-33	72709.5237(N)	178767.7735(E)
EJ-34	72735.4298(N)	178759.2123(E)
EJ-35	72770.2683(N)	178754.9106(E)
EJ-36	72722.1295(N)	178750.2019(E)
EJ-37	72730.8203(N)	178717.7296(E)
EJ-38	72756.4370(N)	178696.5916(E)
EJ-39	72782.1627(N)	178677.7152(E)
EJ-40	72807.0356(N)	178657.7866(E)
EJ-41	72829.6314(N)	178655.0027(E)
EJ-42	72828.9203(N)	178661.9880(E)
EJ-43	72888.8180(N)	178662.2498(E)
EJ-44	72967.8650(N)	178666.6084(E)
EJ-45	72970.7310(N)	178758.9407(E)
EJ-46	72950.7528(N)	178741.2224(E)
EJ-47	72932.0638(N)	178722.1899(E)
EJ-48	72910.4629(N)	178715.2808(E)
EJ-49	72889.1891(N)	178710.2886(E)
EJ-50	72867.3210(N)	178710.8134(E)
EJ-51	72842.3173(N)	178718.0321(E)
EJ-52	72911.3917(N)	178704.1843(E)
EJ-53	72885.5226(N)	178695.0708(E)
EJ-54	72862.2229(N)	178693.2764(E)
EJ-55	72838.9862(N)	178696.2705(E)
EJ-56	72815.8284(N)	178704.6408(E)
EJ-57	72796.1481(N)	178719.4500(E)
EJ-58	72773.0960(N)	178722.6823(E)

### MARINEWAY PATH PATTERNS

HATCH	NAME	DETAIL
	PATTERN A	1 L155.2
	PATTERN B1	2 L155.2
	PATTERN B2	3 L155.2
	PATTERN C	4 L155.2
	PATTERN D	5 L155.2

### JOINTING TYPES

LINE	NAME
	EXPANSION JOINT
	CONTROL JOINT



COOKOUT CANOPY ABOVE, SEE ARCH.

BASKETBALL COURT

HUDSON STREET RIGHT OF WAY

MATCHLINE: L113.2

PG+E PROPERTY

DRIVEWAY

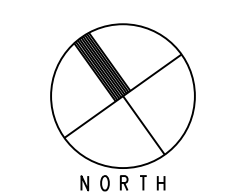
MARINEWAY LAWN

MARINEWAY LAWN

HUNTERS POINT BLVD.

## 1 JOINTING PLAN - SECTOR 1

SCALE: 1" = 20'-0"





# INDIA BASIN SHORELINE PARK

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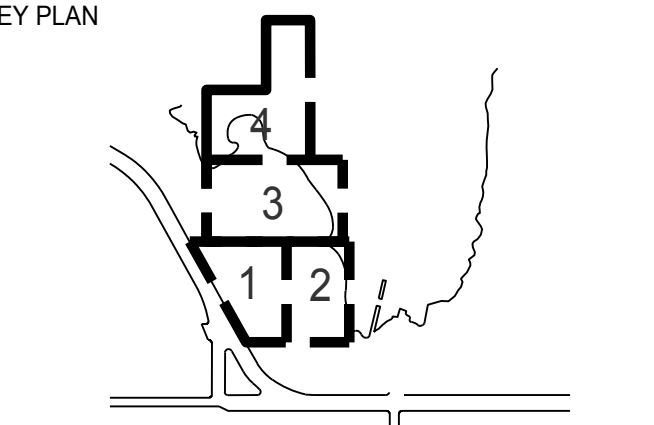
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### ISSUANCE

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## JOINTING PLAN - SECTOR 2

# L152.2

### JOINTING NOTES

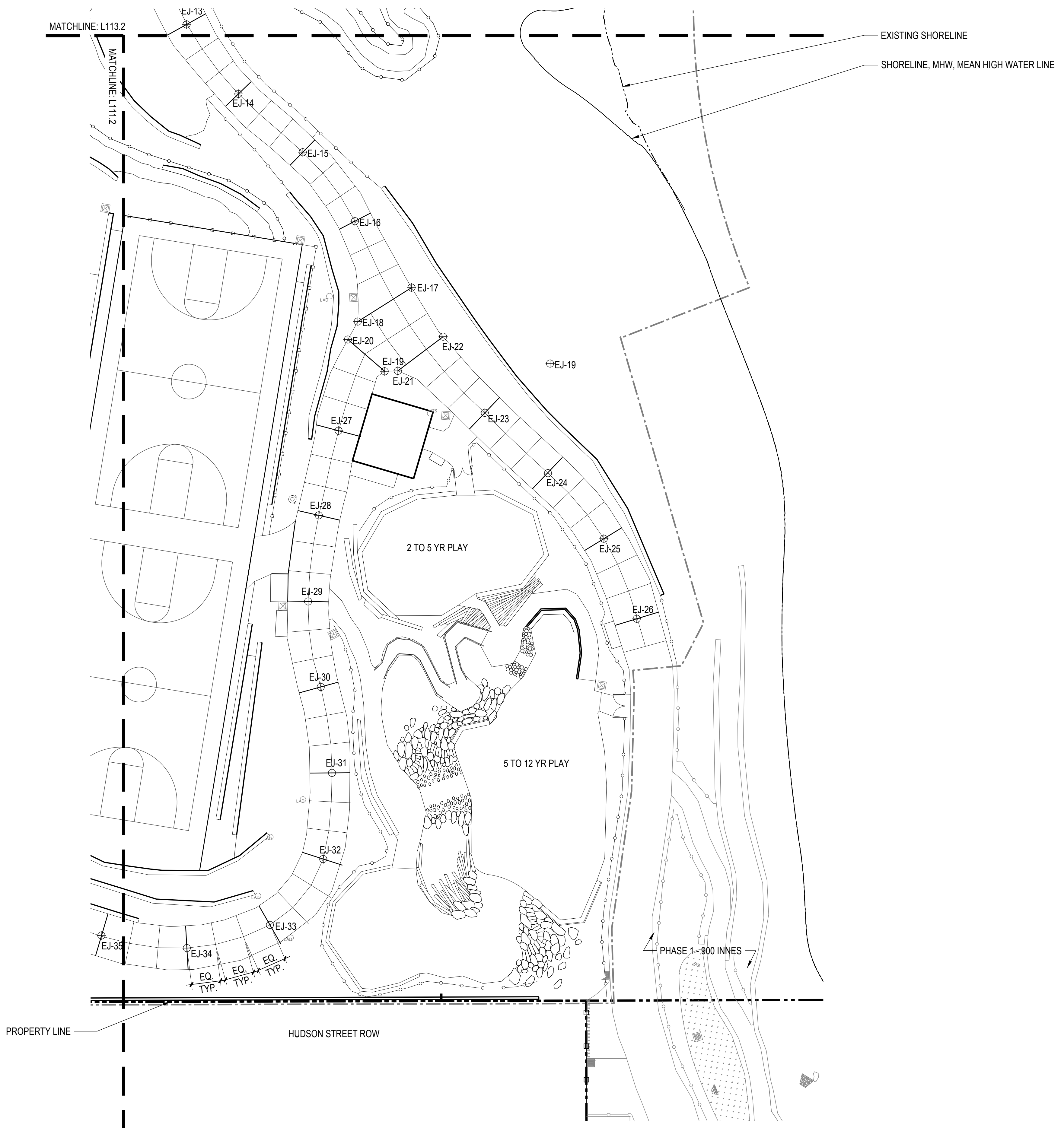
1. LAYOUT POINT NORTHING AND EASTING COORDINATES ARE IN FEET AND IN ACCORDANCE WITH XXX SYSTEM.
2. JOINTING ON CONCRETE PATHS LAID OUT PERPENDICULAR FROM LAYOUT POINT TO PATH EDGE

### JOINTING LAYOUT POINTS (FT)

POINT	NORTHING	EASTING
EJ-12	72902.3279(N)	178987.3835(E)
EJ-13	72870.3167(N)	178993.6031(E)
EJ-14	72837.9619(N)	178995.2710(E)
EJ-15	72807.1234(N)	178997.6888(E)
EJ-16	72808.6446(N)	178975.8043(E)
EJ-17	72805.5782(N)	178969.3997(E)
EJ-18	72789.2564(N)	178973.3349(E)
EJ-19	72781.3340(N)	178989.0018(E)
EJ-20	72753.2545(N)	178993.6216(E)
EJ-21	72723.8132(N)	178999.4260(E)
EJ-22	72693.9864(N)	179000.6175(E)
EJ-23	72665.1255(N)	178992.8985(E)
EJ-24	72784.7987(N)	178951.3924(E)
EJ-25	72766.4174(N)	178930.8287(E)
EJ-26	72747.1587(N)	178911.1210(E)
EJ-27	72722.3127(N)	178894.9398(E)
EJ-28	72695.3949(N)	178882.6603(E)
EJ-29	72668.9851(N)	178862.3444(E)
EJ-30	72656.5827(N)	178834.5902(E)
EJ-31	72664.8590(N)	178806.0715(E)

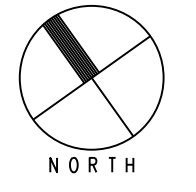
### JOINTING TYPES

LINE	NAME
—	EXPANSION JOINT
—	CONTROL JOINT



### 1 JOINTING PLAN - SECTOR 2

SCALE: 1"= 20'-0"





# INDIA BASIN SHORELINE PARK

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GUSTAFSON GUTHRIE NICHOL  
PH. 206-903-8802

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SHERWOOD DESIGN ENGINEERS  
PH. 415-348-9650

ARCHITECT  
JENSEN ARCHITECTS  
PH. 415-348-9650

ECOLOGICAL RESTORATION  
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PH. 831-659-3820

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JON BRODY STRUCTURAL ENGINEERS  
PH. 415-296-9494

COASTAL ENGINEER  
MOFFATT AND NICHOL  
PH. 925-944-5411

LIGHTING  
NITEO CALIFORNIA  
PH. 415-666-2232

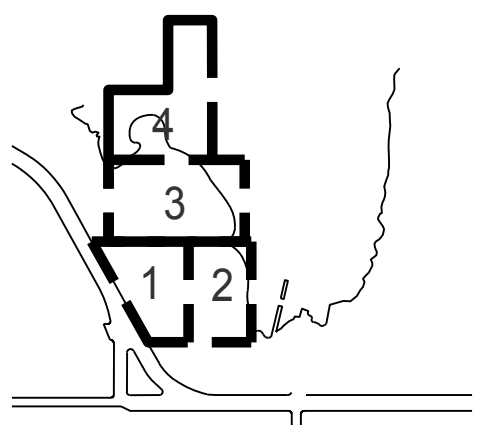
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INTERFACE ENGINEERING  
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GEOTECHNICAL ENGINEER  
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KEY PLAN



REVISIONS:

NO.	DATE	DESCRIPTION

ISSUANCE

90% CONSTRUCTION DOCUMENTS

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JOINTING PLAN -  
SECTOR 3

L153.2

## JOINTING NOTES

- LAYOUT POINT NORTHING AND EASTING COORDINATES ARE IN FEET AND IN ACCORDANCE WITH XXX SYSTEM.
- JOINTING ON CONCRETE PATHS LAID OUT PERPENDICULAR FROM LAYOUT POINT TO PATH EDGE

## JOINTING LAYOUT POINTS (FT)

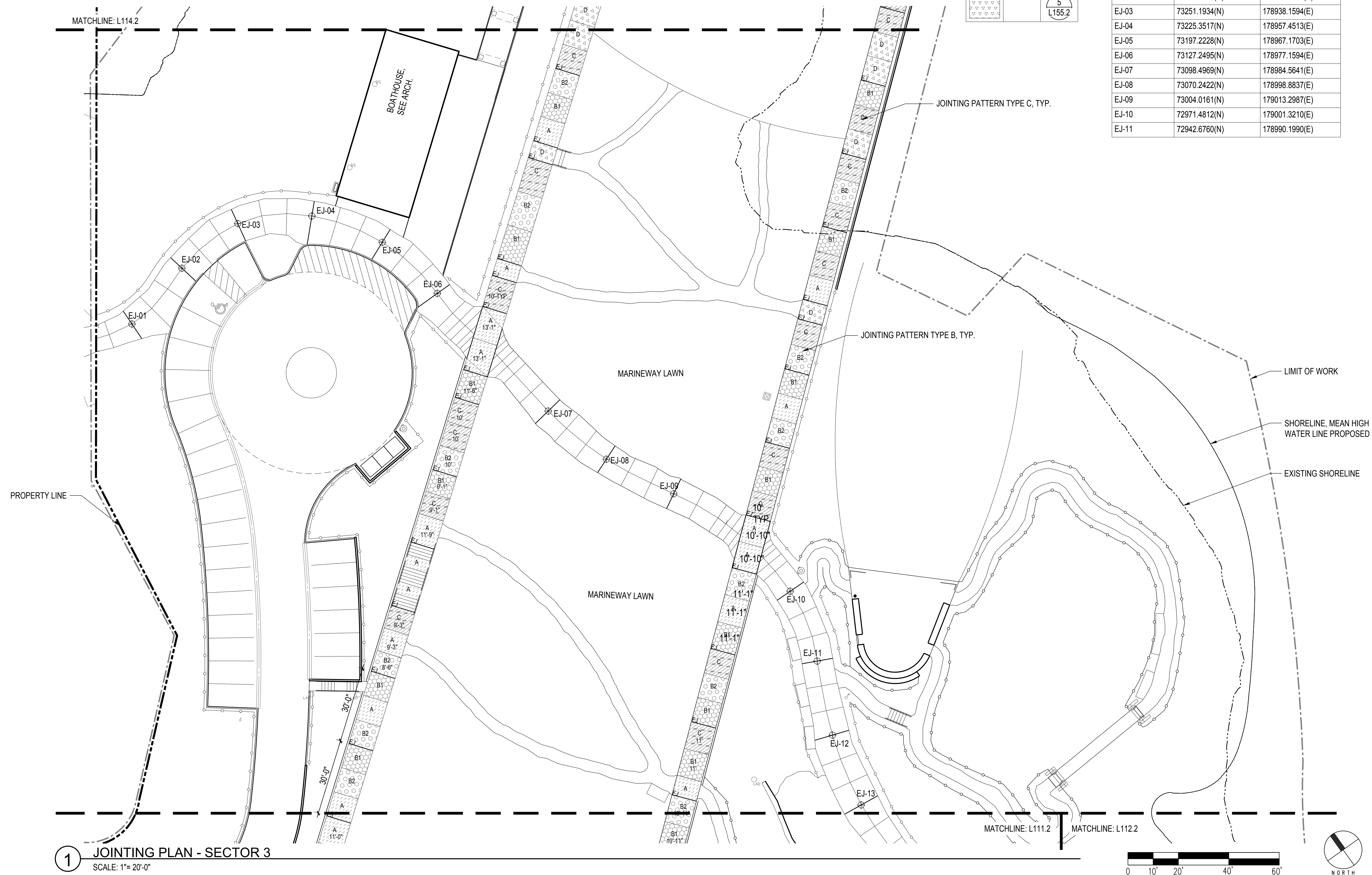
POINT	NORTHING	EASTING
EJ-01	73247.8758(N)	178864.1567(E)
EJ-02	73261.6428(N)	178900.9942(E)
EJ-03	73251.1934(N)	178938.1594(E)
EJ-04	73225.3517(N)	178957.4513(E)
EJ-05	73197.2228(N)	178967.1703(E)
EJ-06	73127.2495(N)	178977.1594(E)
EJ-07	73098.4969(N)	178984.5641(E)
EJ-08	73070.2422(N)	178998.8837(E)
EJ-09	73004.0161(N)	179013.2987(E)
EJ-10	72971.4812(N)	179001.3210(E)
EJ-11	72942.6760(N)	178990.1990(E)

## JOINTING TYPES

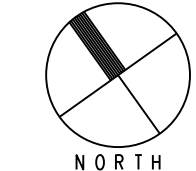
LINE	NAME
---	EXPANSION JOINT
---	CONTROL JOINT

## MARINEWAY PATH PATTERNS

HATCH	NAME	DETAIL
[Hatch 1]	PATTERN A	1 L155.2
[Hatch 2]	PATTERN B1	2 L155.2
[Hatch 3]	PATTERN B2	3 L155.2
[Hatch 4]	PATTERN C	4 L155.2
[Hatch 5]	PATTERN D	5 L155.2



1 JOINTING PLAN - SECTOR 3  
SCALE: 1" = 20'-0"





# INDIA BASIN SHORELINE PARK

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SUITE 900  
SAN FRANCISCO, CA 94104  
PH. 415-495-4014



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PH. 206-903-6802

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SHERWOOD DESIGN ENGINEERS  
PH. 415-348-9650

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PH. 831-659-3820

STRUCTURAL ENGINEER  
JON BRODY STRUCTURAL ENGINEERS  
PH. 415-296-9494

COASTAL ENGINEER  
MOFFATT AND NICHOL  
PH. 925-944-5411

LIGHTING  
NITEO CALIFORNIA  
PH. 415-666-2232

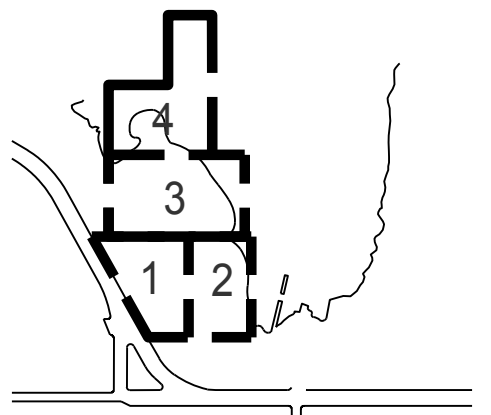
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GEOTECHNICAL ENGINEER  
AGS, INC  
PH. 415-957-9240

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ZBETA CONSULTING  
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NO.	DATE	DESCRIPTION

ISSUANCE

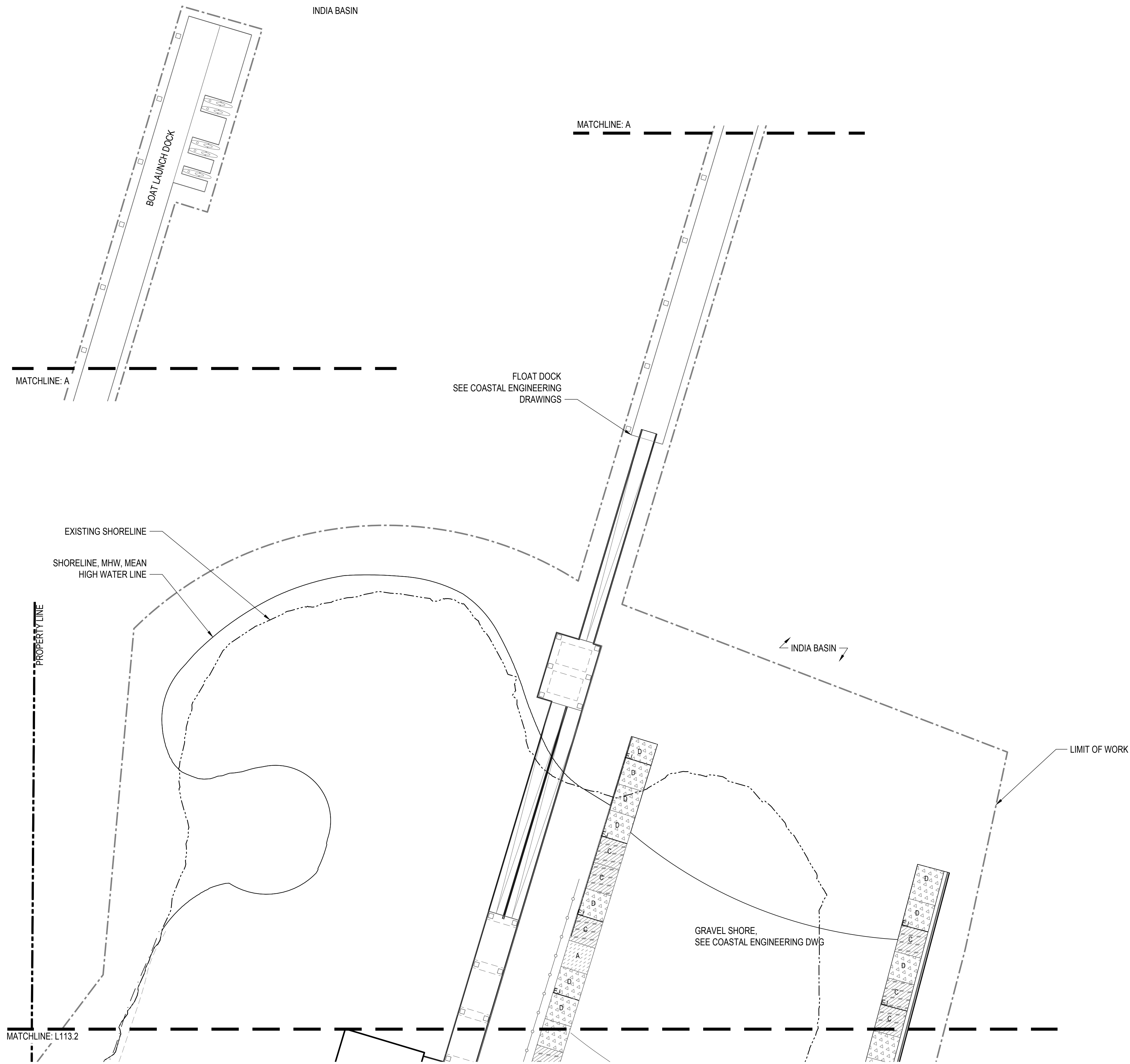
**90% CONSTRUCTION DOCUMENTS**

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DATE	GGN PROJECT #
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**JOINTING PLAN -  
SECTOR 4**

**L154.2**



JOINTING TYPES

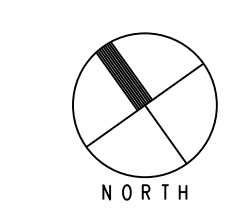
LINE	NAME
E.I.	EXPANSION JOINT
	CONTROL JOINT

MARINEWAY PATH PATTERNS

HATCH	NAME	DETAIL
	PATTERN A	1 L155.2
	PATTERN B1	2 L155.2
	PATTERN B2	3 L155.2
	PATTERN C	4 L155.2
	PATTERN D	5 L155.2

7/1/2021 ANSB A (8.50 x 11.00 inches)

**1** JOINTING PLAN - SECTOR 4  
SCALE: 1" = 20'-0"





**900 INNES  
PARK DEVELOPMENT**

CITY AND COUNTY OF SAN FRANCISCO  
RECREATION AND PARKS DEPARTMENT  
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SAN FRANCISCO, CA 94103  
PH. 415-831-2700



THE TRUST FOR PUBLIC LAND  
101 MONTGOMERY STREET  
SUITE 900  
SAN FRANCISCO, CA 94104  
PH. 415-495-4014



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JENSEN ARCHITECTS  
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PH. 831-659-3820

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JON BRODY STRUCTURAL ENGINEERS  
PH. 415-296-9494

COASTAL ENGINEER  
MOFFATT AND NICHOL  
PH. 925-944-5411

LIGHTING  
NITEO CALIFORNIA  
PH. 415-666-2232

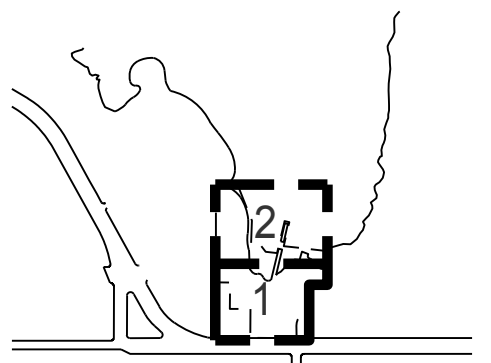
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INTERFACE ENGINEERING  
PH. 415-489-7240

GEOTECHNICAL ENGINEER  
AGS, INC  
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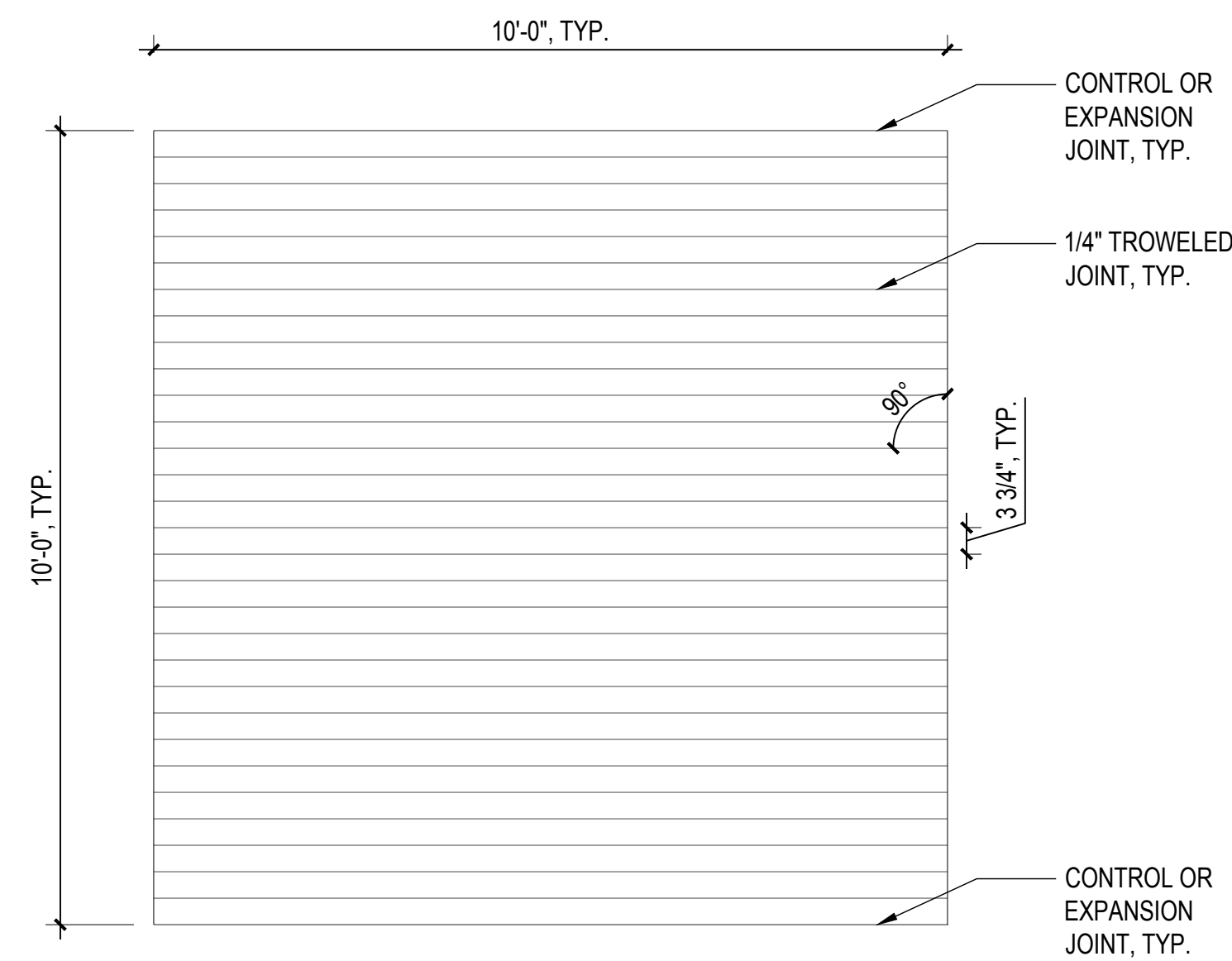
ISSUANCE

BID SET

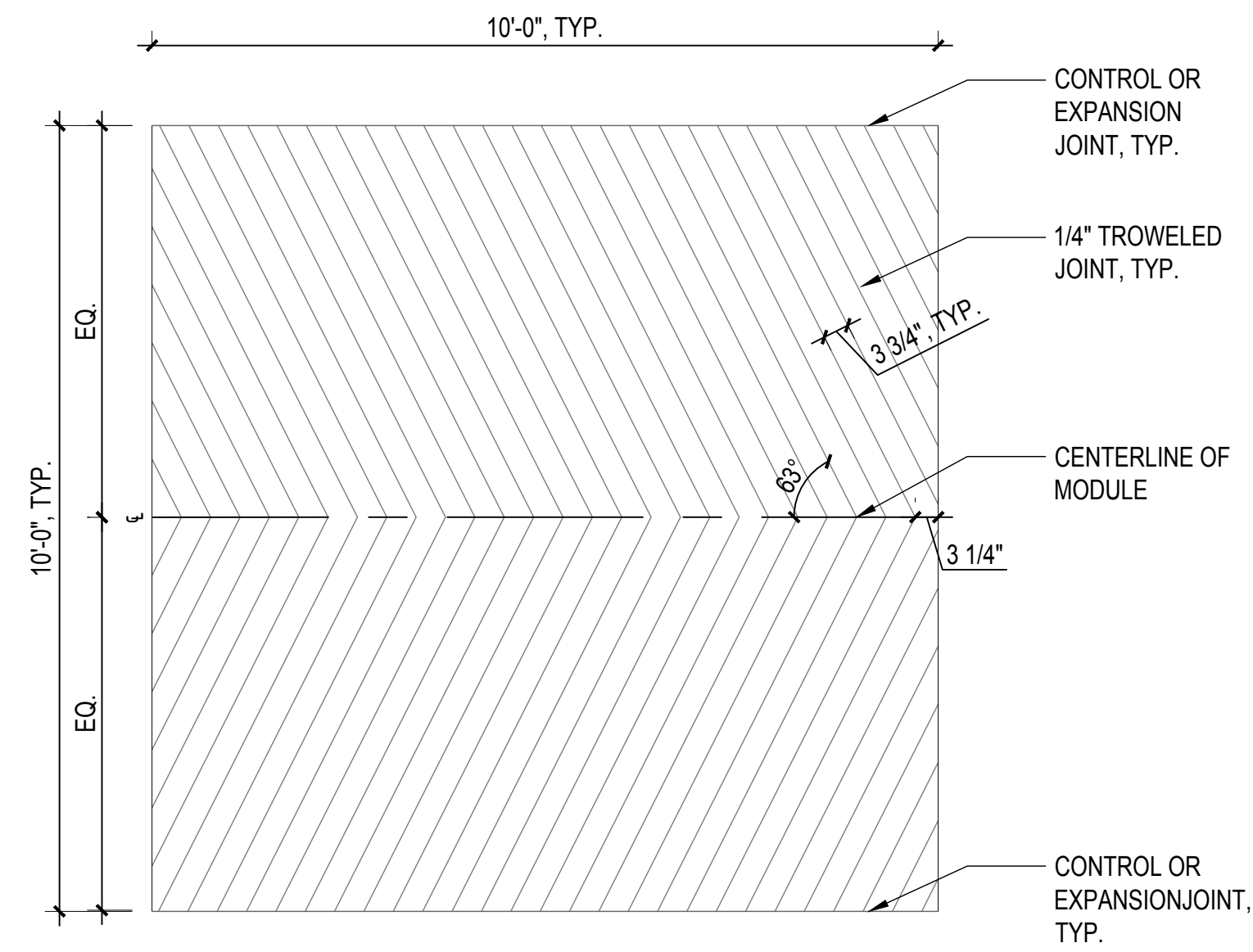
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**PAVING PLAN  
ENLARGEMENTS**

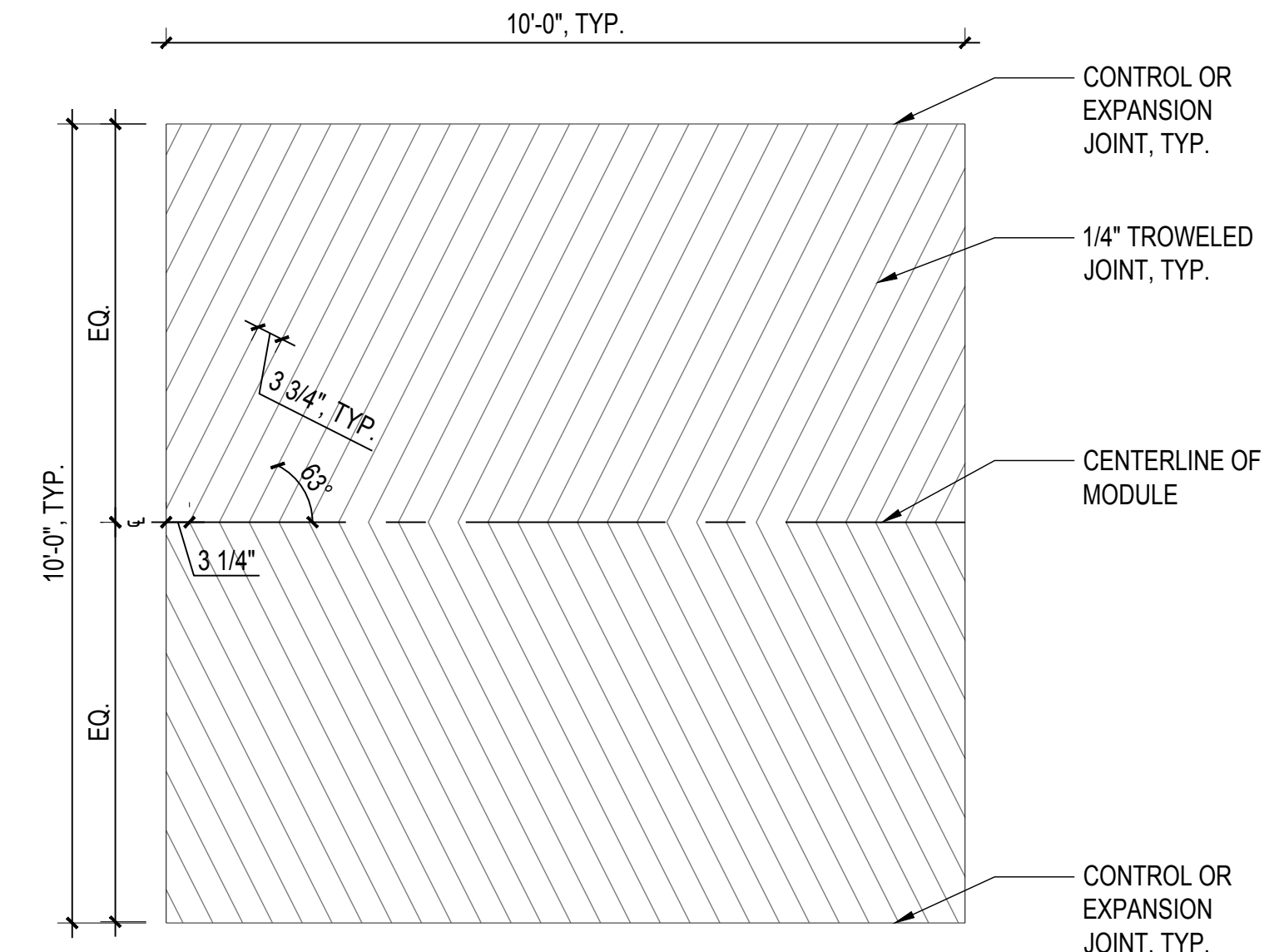
**L155.2**



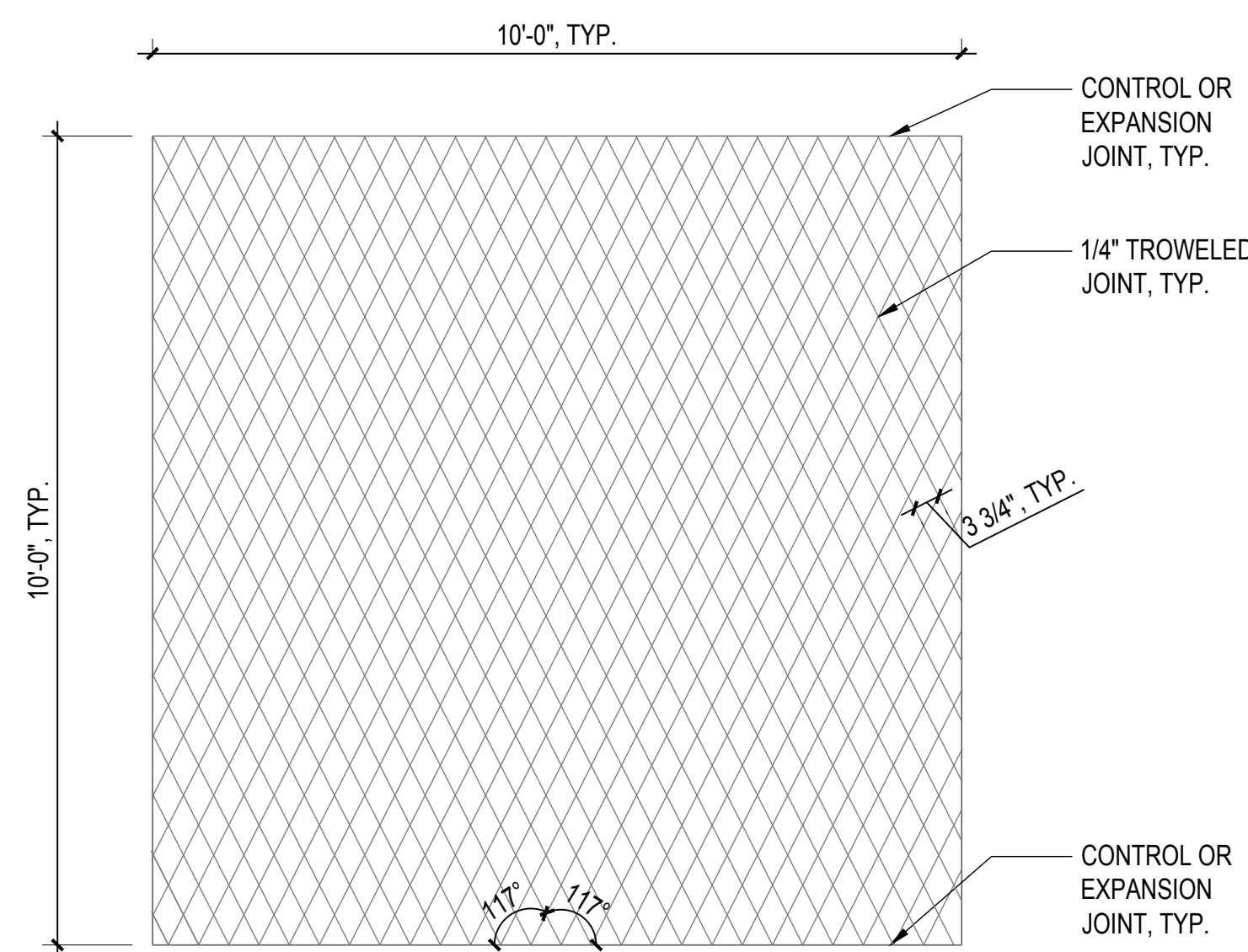
**1 PLAN DETAIL: MARINEWAY PATHS - PAVING A**  
SCALE: 1/2" = 1'-0"



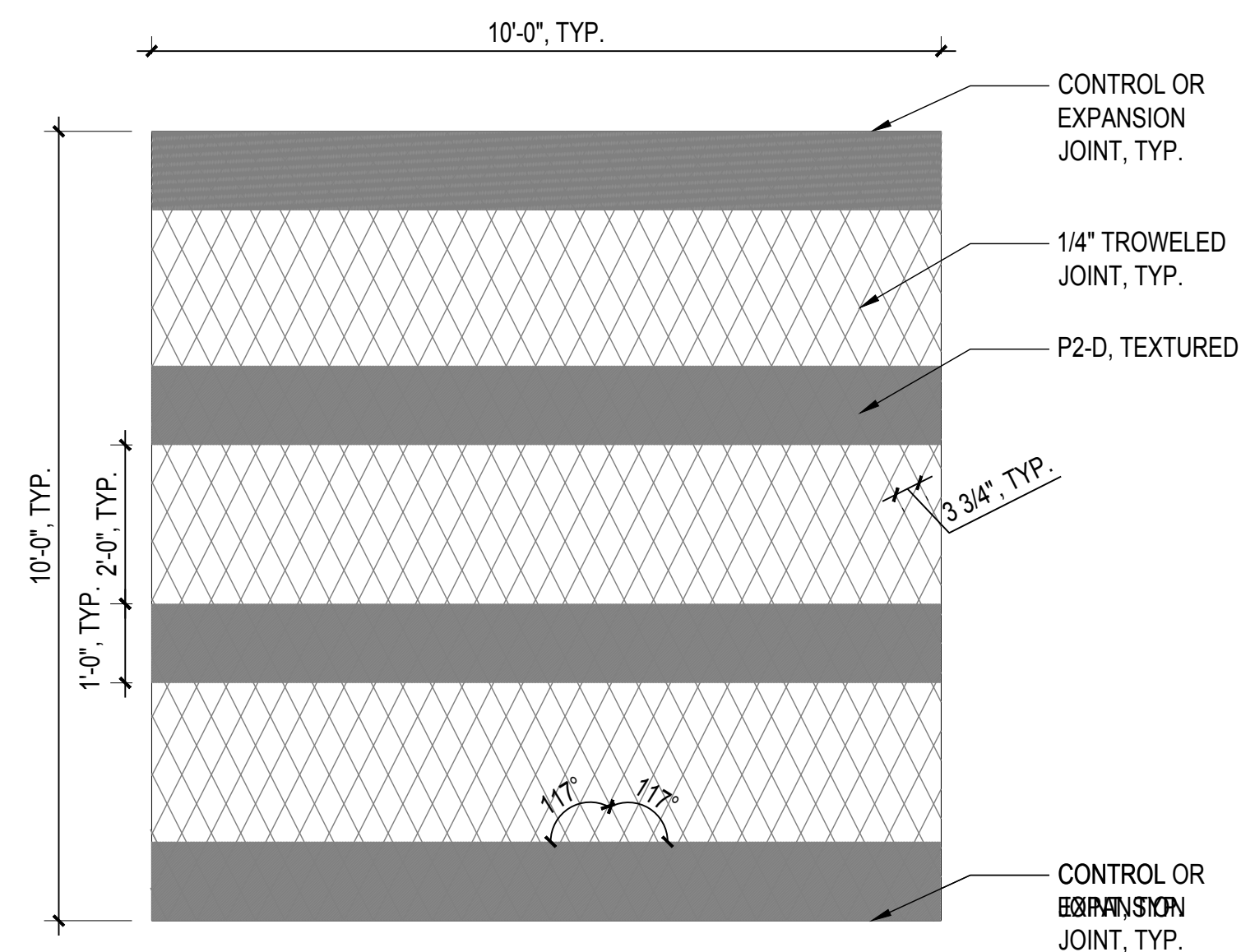
**2 PLAN DETAIL: MARINEWAY PATHS - PAVING B1**  
SCALE: 1/2" = 1'-0"



**3 PLAN DETAIL: MARINEWAY PATHS - PAVING B2**  
SCALE: 1/2" = 1'-0"



**4 PLAN DETAIL: MARINEWAY PATHS - PAVING C**  
SCALE: 1/2" = 1'-0"



**5 PLAN DETAIL: MARINEWAY PATHS - PAVING D**  
SCALE: 1/2" = 1'-0"



**900 INNES  
PARK DEVELOPMENT**

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COASTAL ENGINEER  
MOFFATT AND NICHOL  
PH. 925-944-5411

LIGHTING  
NITEO CALIFORNIA  
PH. 415-666-2232

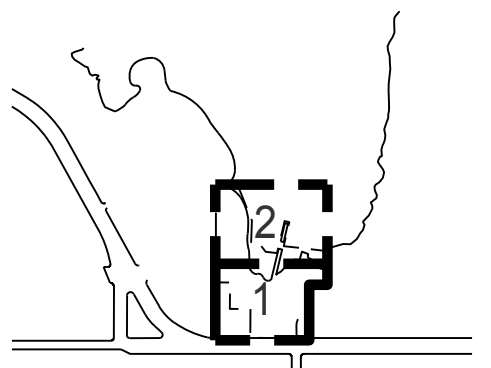
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SECURITY CONSULTANT  
ZBETA CONSULTING  
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KEY PLAN



**REVISIONS:**

NO.	DATE	DESCRIPTION

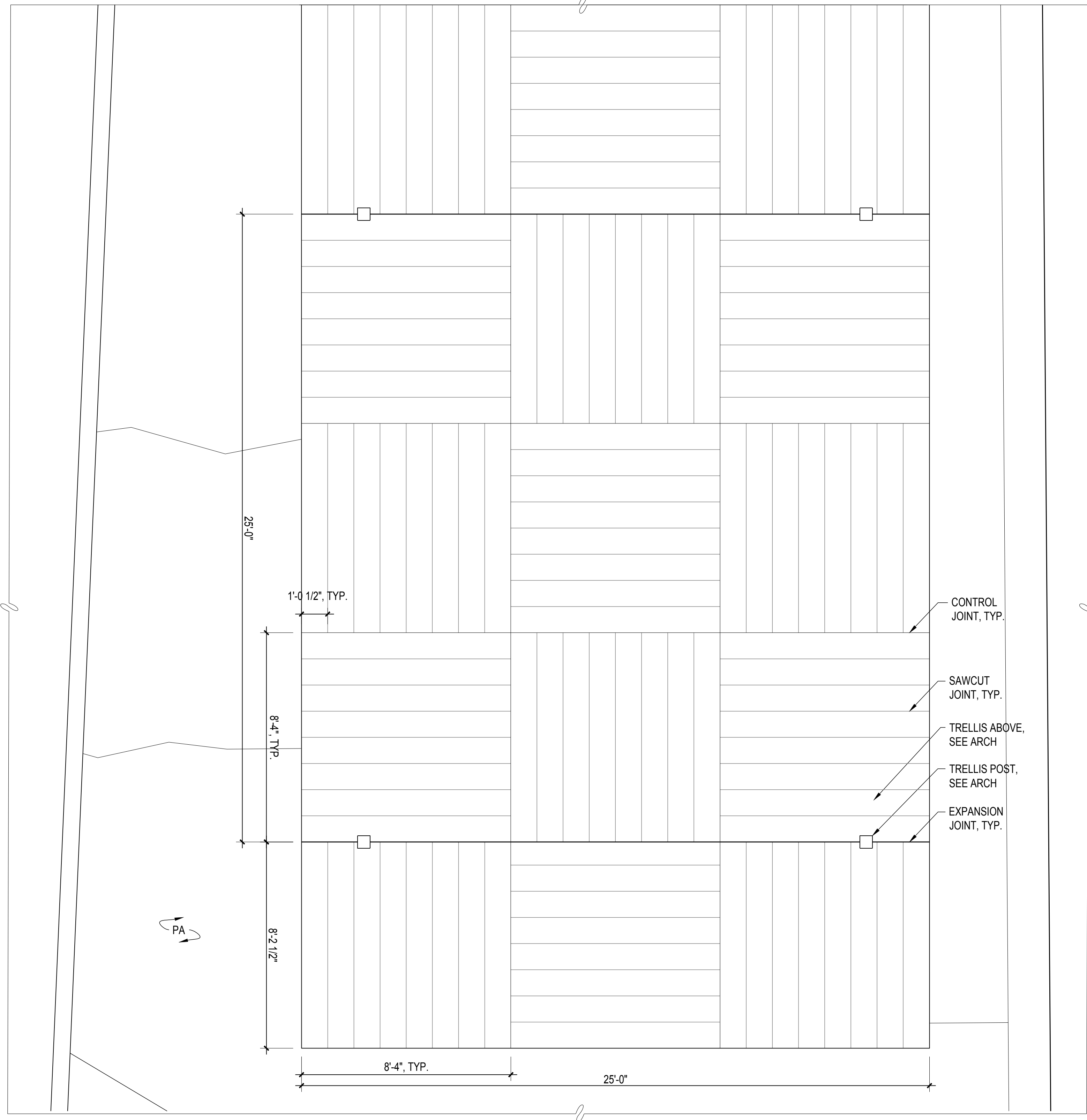
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DATE	GGN PROJECT #
7/01/2021	1608

**PAVING PLAN  
ENLARGEMENTS**

**L156.2**



**1 PLAN DETAIL: COOKOUT TERRACE**  
SCALE: 3/8" = 1'-0"



# INDIA BASIN SHORELINE PARK

CITY AND COUNTY OF SAN FRANCISCO  
RECREATION AND PARKS DEPARTMENT  
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PH. 415-495-4014



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PH. 206-903-8802

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SHERWOOD DESIGN ENGINEERS  
PH. 415-348-9650

ARCHITECT  
JENSEN ARCHITECTS  
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MOFFATT AND NICHOL  
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LIGHTING  
NITEO CALIFORNIA  
PH. 415-866-2232

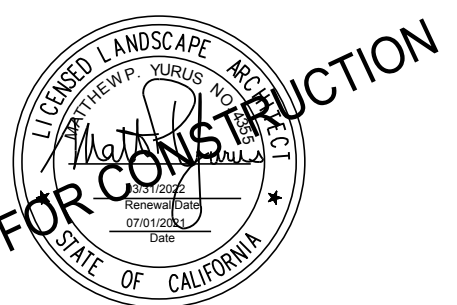
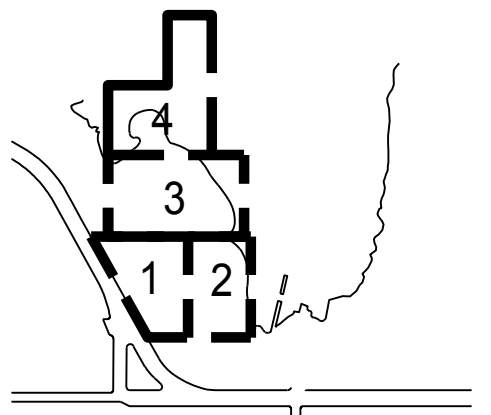
MEP & IT  
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AGS, INC  
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ISSUANCE

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DATE	7/01/2021	GGN PROJECT #	1608

SOILS-OVERALL

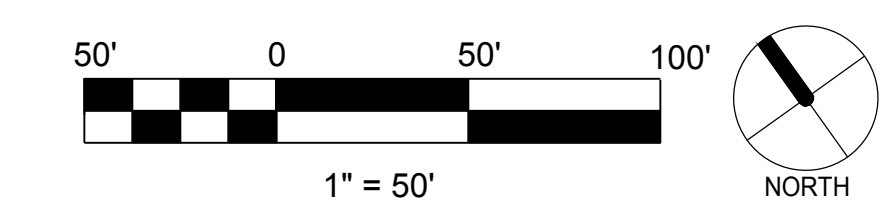
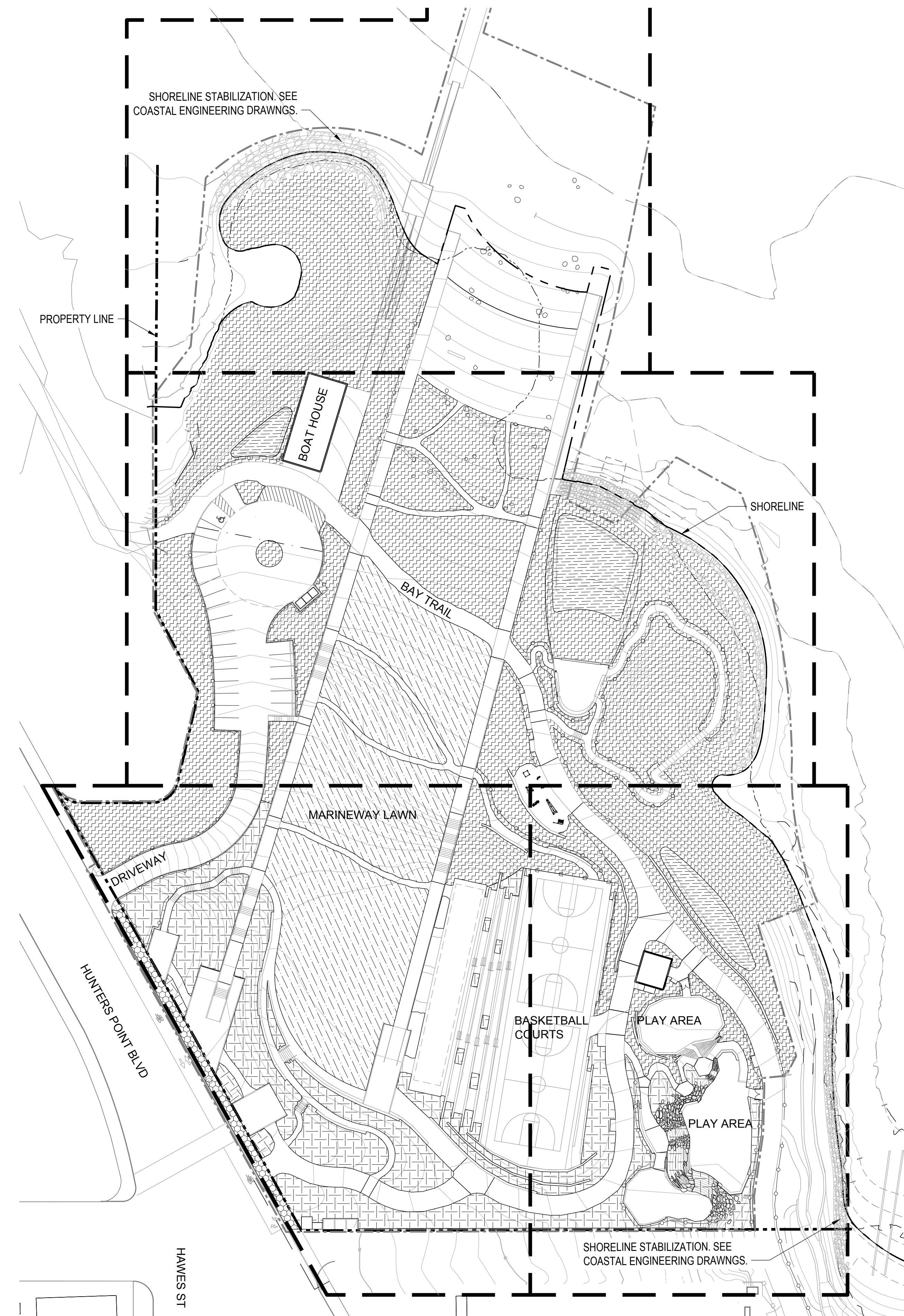
L160.2

## SOIL PREPARATION LEGEND

SYMBOL	DESCRIPTION	AREA (SF)
	SOIL PREP ZONE 1: RESTORATION AREAS, INFILL WITH 12" OF IMPORT SANDY LOAM TOPSOIL AND AMEND ON SITE. SEE NOTE #1. SEE SOIL PREP DETAIL FOR TREE PLANTING.	95,411 SF
	SOIL PREP ZONE 2: BIORETENTION AREAS, SEE CIVIL.	10,253 SF
	SOIL PREP ZONE 3: NATIVE GARDENS. INFILL WITH IMPORT SANDY LOAM TOPSOIL AND AMEND ON SITE (24" FOR SHRUB, 36" FOR TREES). SEE NOTE #1 AND SPECIFICATION SECTION 329113.2.3 SEE SOIL PREP DETAIL FOR TREE PLANTING.	30,068 SF
	SOIL PREP ZONE 4: STREET TREE SOILS. REFER TO 1/L580.1 AND SPECIFICATION SECTION 329113.2.3	2,283 SF
	SOIL PREP ZONE 5: SODDED TURF SOIL. PROVIDE 12" COMPOST AND SAND MIX PER SPECIFICATIONS.	36,948 SF

## SOIL PREPARATION NOTES

- APPLICATION OF AMENDEDMENTS SHALL CONSIST OF THE FOLLOWING PROCESS: DECOMPACT SOIL TO A DEPTH OF 12", SPREAD AMENDEDMENTS PER SOIL TEST RECOMMENDATIONS, AND ROTOTILL TO A DEPTH OF 6" MINIMUM, UNTIL AMENDEDMENTS ARE UNIFORMLY INCORPORATED.
- PLANTING BACKFILL MIX - REFER TO SPECIFICATION SECTION 329113.2.3
- REFER TO SPECIFICATION SECTION 329113.2.3 - PLANTING SOIL PREPARATION FOR DETAILED REQUIREMENTS.
- REFER TO GRADING PLAN AND SPECIFICATIONS FOR ASSUMED SOIL SETTLING RATE AND DEPTH OF GRADING BELOW PLANTING AREA FINISH GRADE.
- REFER TO CIVIL DRAWINGS AND SPECIFICATIONS FOR SOIL PREPARATION AT STAIRCASES, PATHWAYS AND OTHER HARDSCAPE AREAS.
- REFER TO COASTAL ENGINEERING DRAWINGS FOR MATERIAL PLACEMENT BELOW ELEVATION 10.0' NAVD88.
- REFER TO SOIL PREP, PLANTING DETAILS, AND SPECIFICATIONS FOR TREE AND SHRUB PLANTINGS DEEPER THAN INDICATED IN LEGEND.





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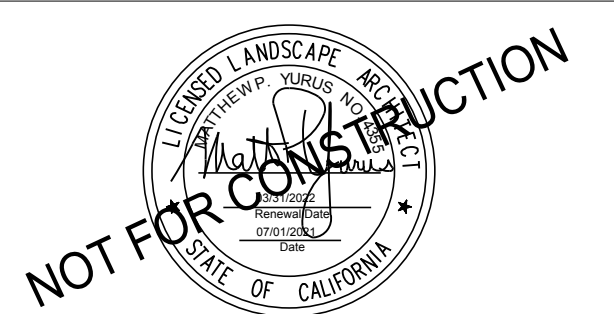
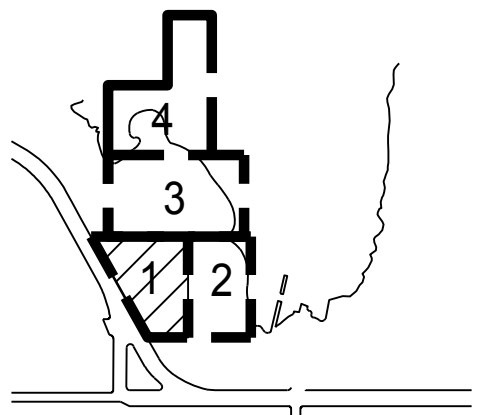
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KEY PLAN



## REVISIONS:

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ISSUANCE

90% CONSTRUCTION DOCUMENTS

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SOILS-SECTOR 1

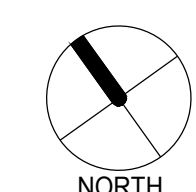
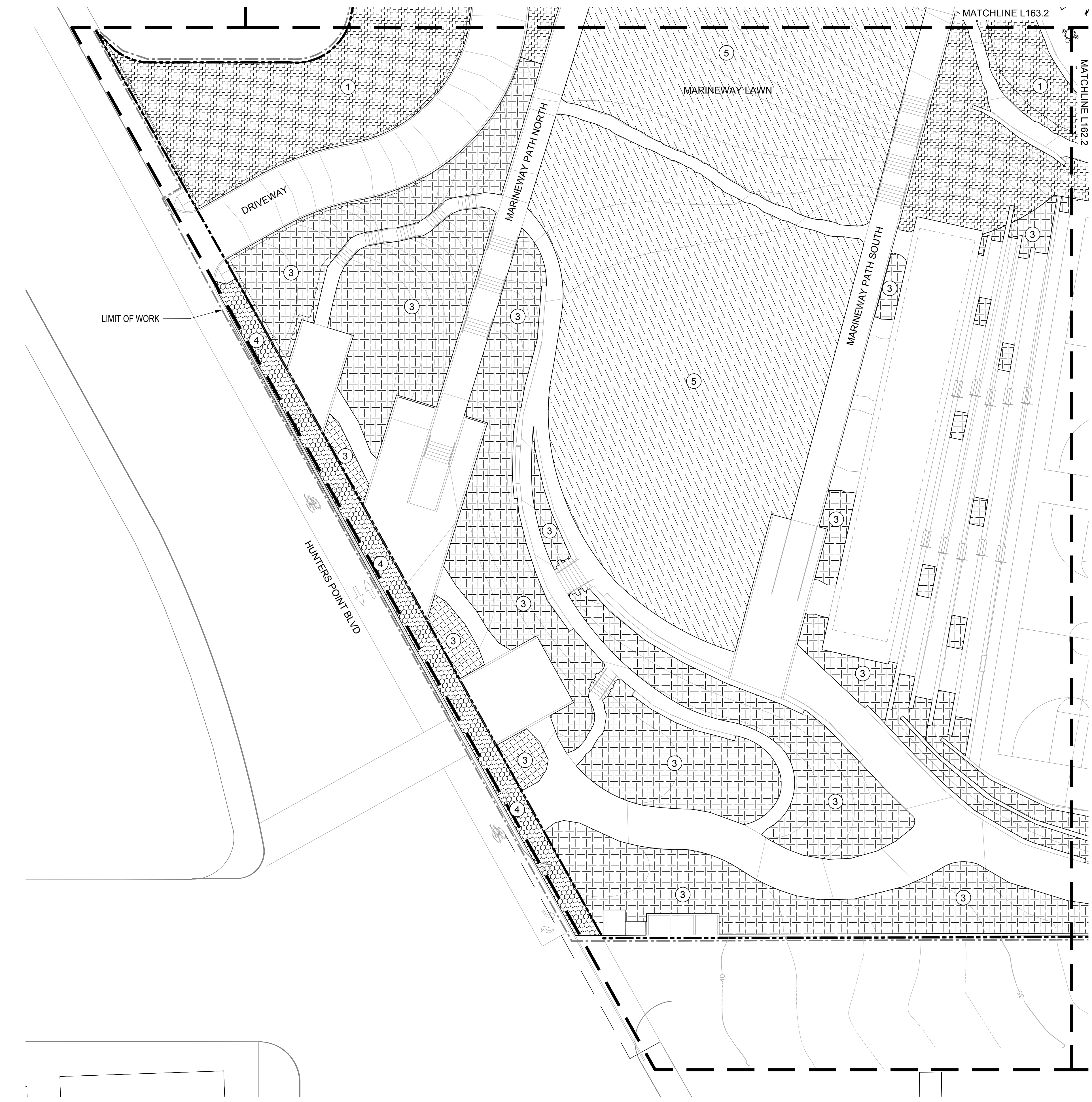
L161.2

## SOIL PREPARATION LEGEND

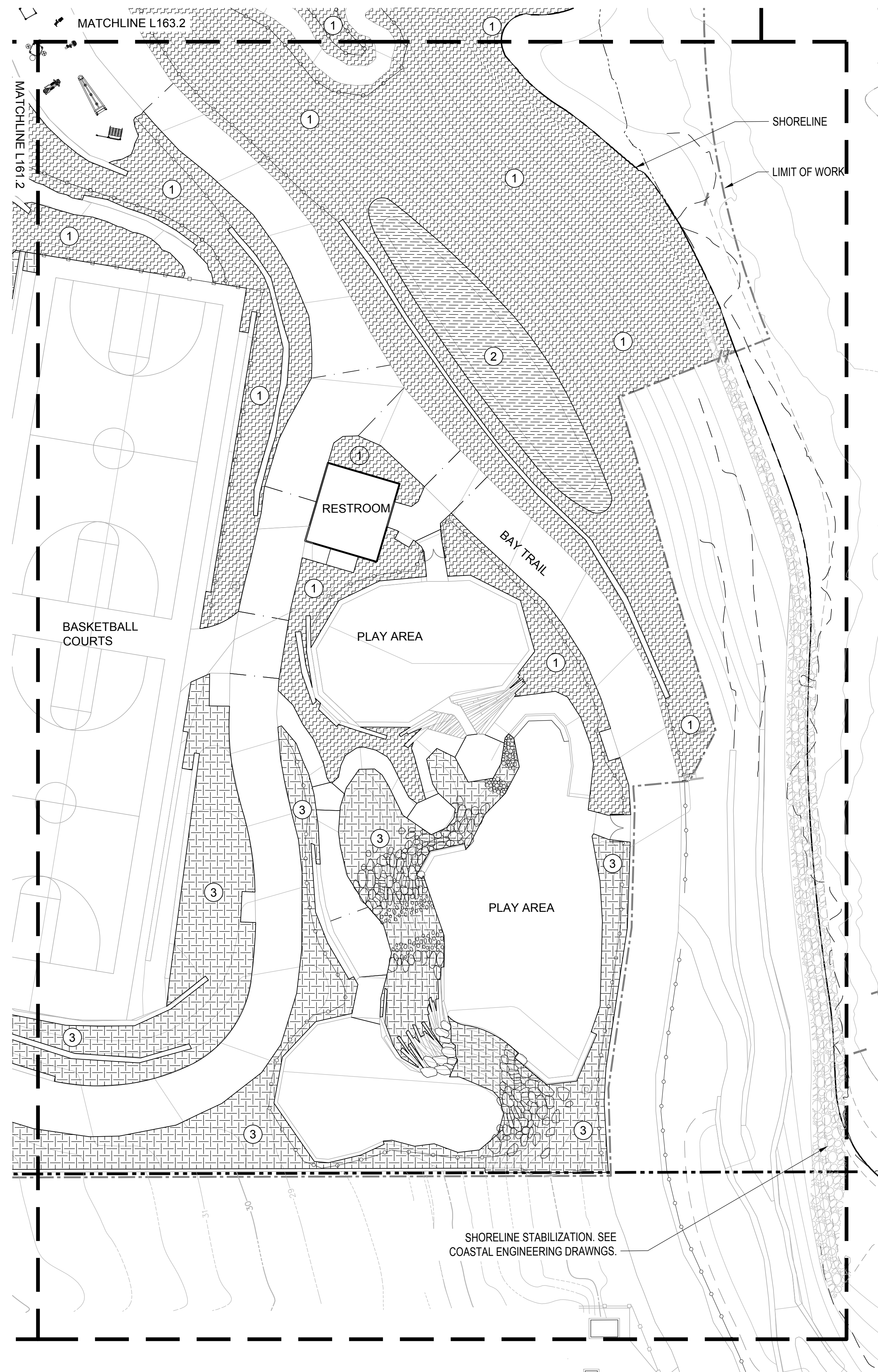
SYMBOL	DESCRIPTION	AREA (SF)
	SOIL PREP ZONE 1: RESTORATION AREAS, INFILL WITH 12" OF IMPORT SANDY LOAM TOPSOIL AND AMEND ON SITE. SEE NOTE #1.	95,411 SF
	SEE SOIL PREP DETAIL FOR TREE PLANTING. SOIL PREP ZONE 2: BIORETENTION AREAS, SEE CIVIL.	10,253 SF
	SOIL PREP ZONE 3: NATIVE GARDENS, INFILL WITH IMPORT SANDY LOAM TOPSOIL AND AMEND ON SITE (24" FOR SHRUB, 36" FOR TREES). SEE NOTE #1 AND SPECIFICATION SECTION 329113.2.3 SEE SOIL PREP DETAIL FOR TREE PLANTING.	30,068 SF
	SOIL PREP ZONE 4: STREET TREE SOILS. REFER TO 1/L580.1 AND SPECIFICATION SECTION 329113.2.3	2,283 SF
	SOIL PREP ZONE 5: SODDED TURF SOIL. PROVIDE 12" COMPOST AND SAND MIX PER SPECIFICATIONS.	36,948 SF

## SOIL PREPARATION NOTES

- APPLICATION OF AMENDMENTS SHALL CONSIST OF THE FOLLOWING PROCESS: DECOMPACT SOIL TO A DEPTH OF 12", SPREAD AMENDMENTS PER SOIL TEST RECOMMENDATIONS, AND ROTOTILL TO A DEPTH OF 6" MINIMUM, UNTIL AMENDMENTS ARE UNIFORMLY INCORPORATED.
- PLANTING BACKFILL MIX - REFER TO SPECIFICATION SECTION 329113.2.3
- REFER TO SPECIFICATION SECTION 329113.2.3 - PLANTING SOIL PREPARATION FOR DETAILED REQUIREMENTS.
- REFER TO GRADING PLAN AND SPECIFICATIONS FOR ASSUMED SOIL SETTLING RATE AND DEPTH OF GRADING BELOW PLANTING AREA FINISH GRADE.
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### SOIL PREPARATION LEGEND

SYMBOL	DESCRIPTION	AREA (SF)
	SOIL PREP ZONE 1: RESTORATION AREAS, INFILL WITH 12" OF IMPORT SANDY LOAM TOPSOIL AND AMEND ON SITE. SEE NOTE #1.	95,411 SF
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	SOIL PREP ZONE 3: NATIVE GARDENS. INFILL WITH IMPORT SANDY LOAM TOPSOIL AND AMEND ON SITE (24" FOR SHRUB, 36" FOR TREES). SEE NOTE #1 AND SPECIFICATION SECTION 329113.2.3 SEE SOIL PREP DETAIL FOR TREE PLANTING.	30,068 SF
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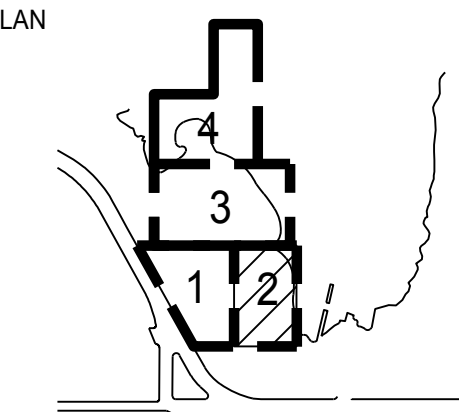
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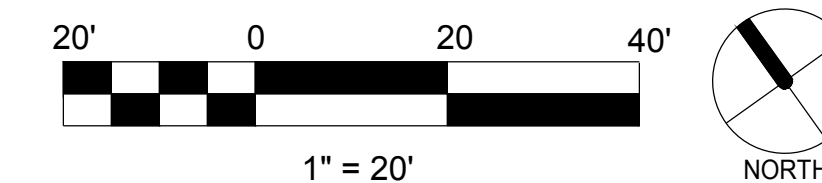
ISSUANCE

90% CONSTRUCTION DOCUMENTS

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JS	
DATE	GGN PROJECT #
7/01/2021	1608

SOILS-SECTOR 2

L162.2





# INDIA BASIN SHORELINE PARK

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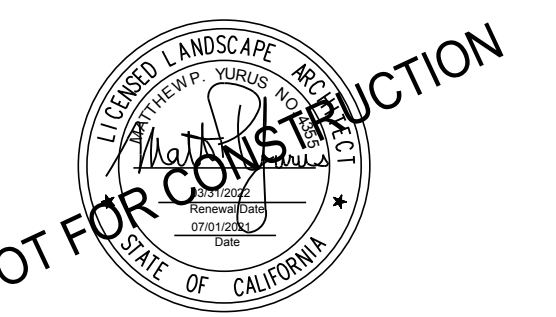
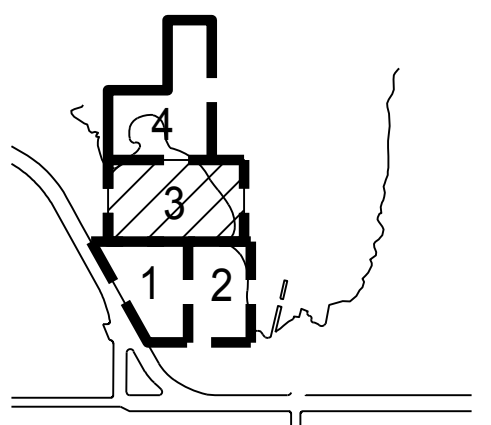
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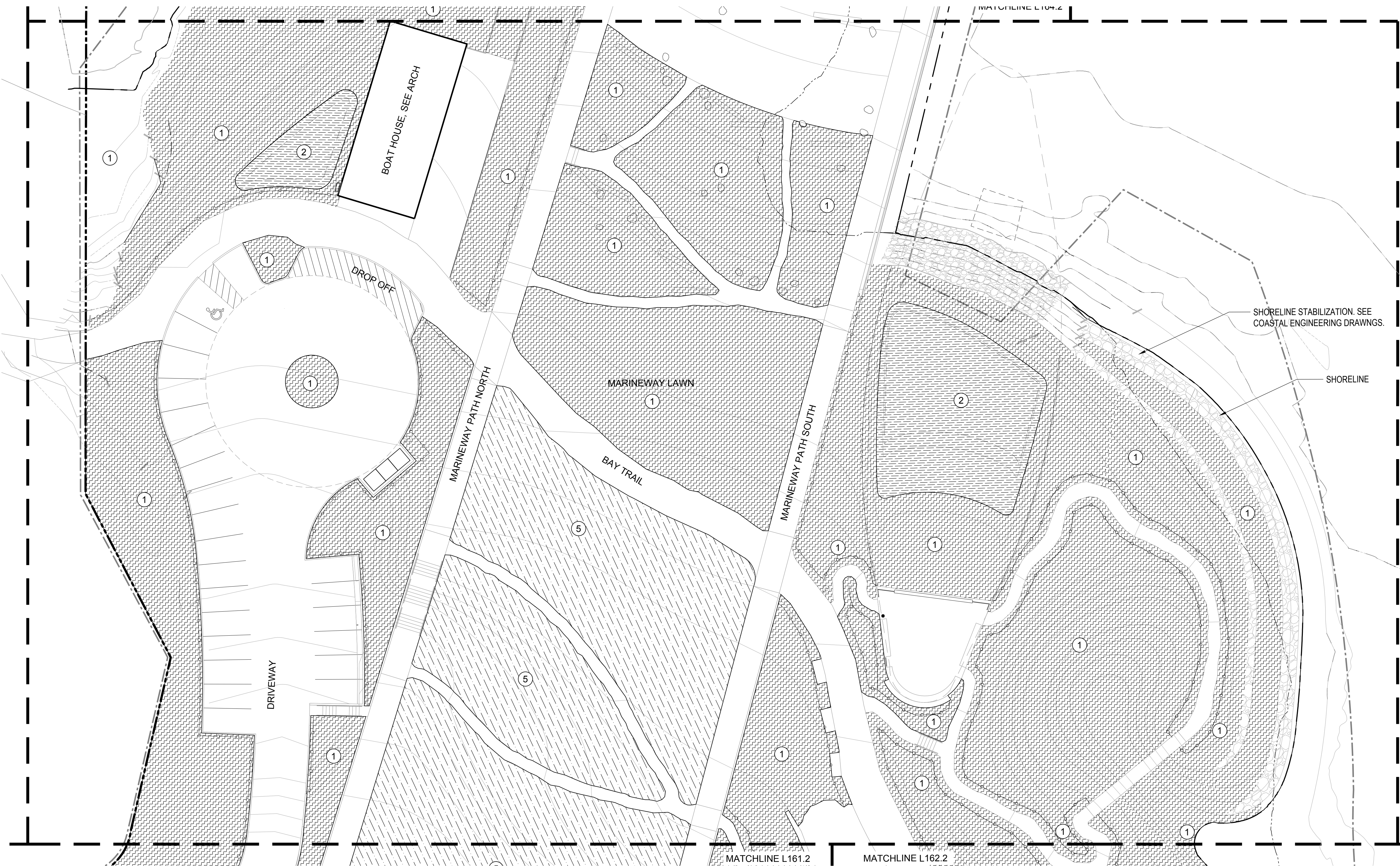
ISSUANCE

## 90% CONSTRUCTION DOCUMENTS

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DATE	7/01/2021	GGN PROJECT #	1608

## SOILS-SECTOR 3

# L163.2

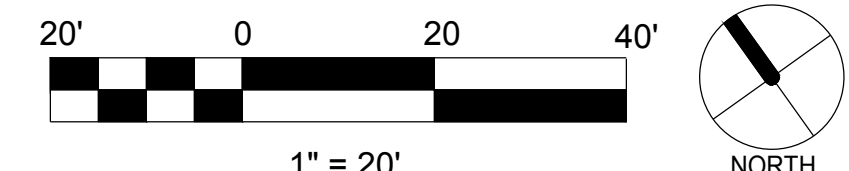


## SOIL PREPARATION LEGEND

SYMBOL	DESCRIPTION	AREA (SF)
	SOIL PREP ZONE 1: RESTORATION AREAS. INFILL WITH 12" OF IMPORT SANDY LOAM TOPSOIL AND AMEND ON SITE. SEE NOTE #1.	95,411 SF
	SEE SOIL PREP DETAIL FOR TREE PLANTING. SOIL PREP ZONE 2: BIORETENTION AREAS, SEE CIVIL.	10,253 SF
	SOIL PREP ZONE 3: NATIVE GARDENS. INFILL WITH IMPORT SANDY LOAM TOPSOIL AND AMEND ON SITE (24" FOR SHRUB, 36" FOR TREES). SEE NOTE #1 AND SPECIFICATION SECTION 329113.2.3 SEE SOIL PREP DETAIL FOR TREE PLANTING.	30,068 SF
	SOIL PREP ZONE 4: STREET TREE SOILS. REFER TO 1/L580.1 AND SPECIFICATION SECTION 329113.2.3	2,283 SF
	SOIL PREP ZONE 5: SODDED TURF SOIL. PROVIDE 12" COMPOST AND SAND MIX PER SPECIFICATIONS.	36,948 SF

## SOIL PREPARATION NOTES

- APPLICATION OF AMENDEDMENTS SHALL CONSIST OF THE FOLLOWING PROCESS: DECOMPACT SOIL TO A DEPTH OF 12", SPREAD AMENDEDMENTS PER SOIL TEST RECOMMENDATIONS, AND ROTOTILL TO A DEPTH OF 6" MINIMUM, UNTIL AMENDEDMENTS ARE UNIFORMLY INCORPORATED.
- PLANTING BACKFILL MIX - REFER TO SPECIFICATION SECTION 329113.2.3
- REFER TO SPECIFICATION SECTION 329113.2.3 - PLANTING SOIL PREPARATION FOR DETAILED REQUIREMENTS.
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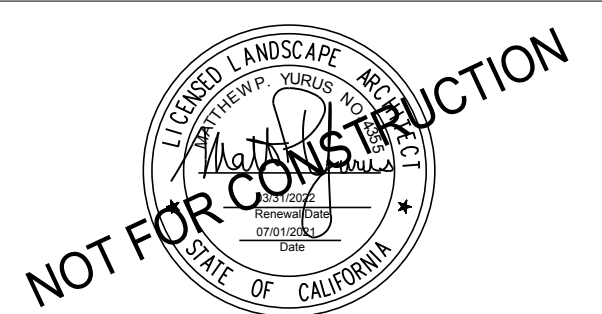
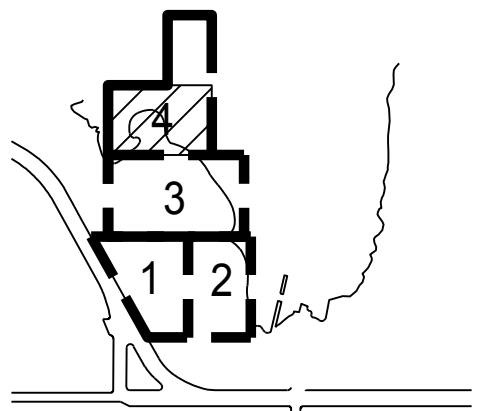
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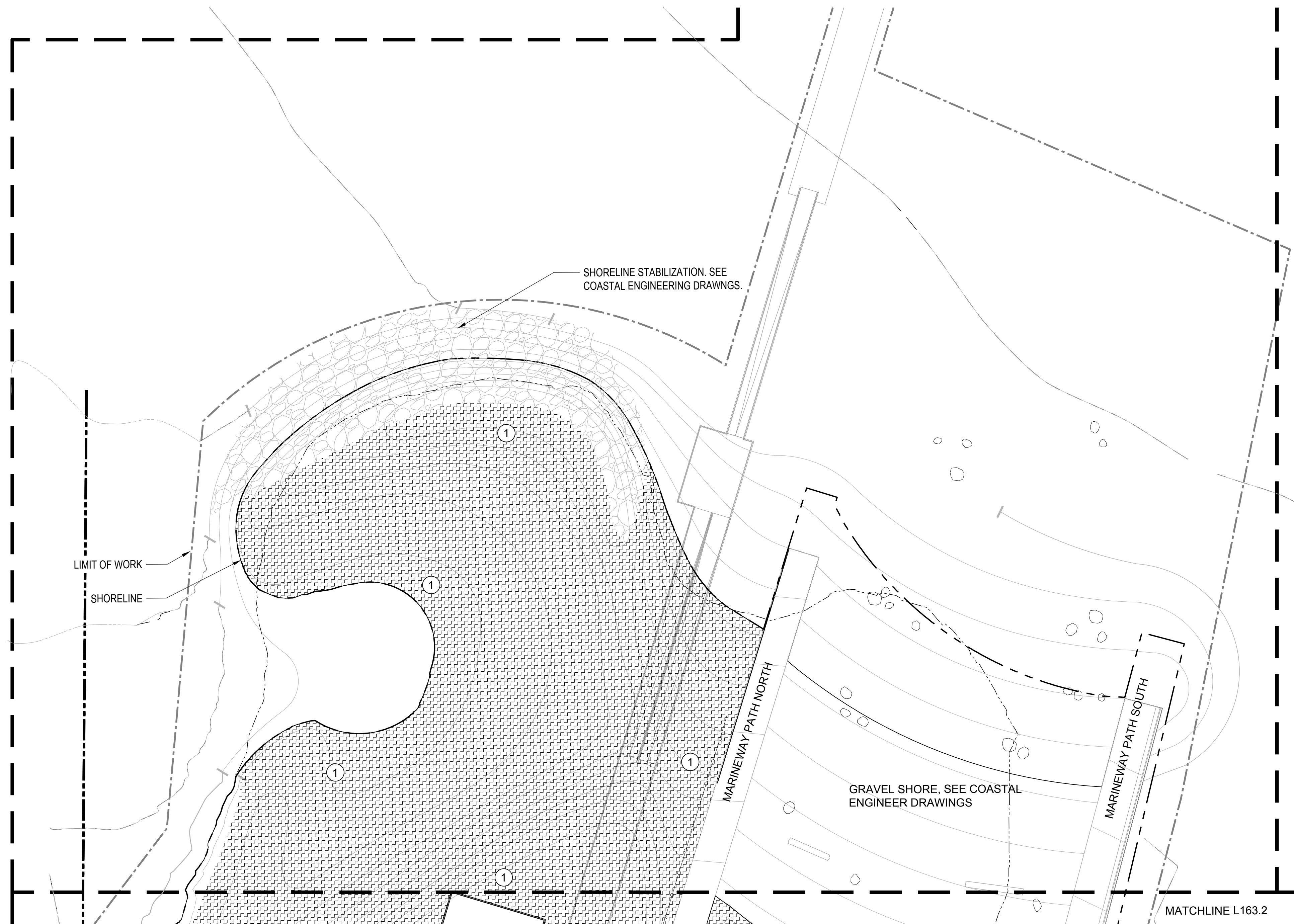
ISSUANCE

### 90% CONSTRUCTION DOCUMENTS

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DATE	7/01/2021	GGN PROJECT #	1608

### SOILS-SECTOR 4

# L164.2

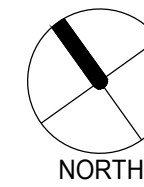
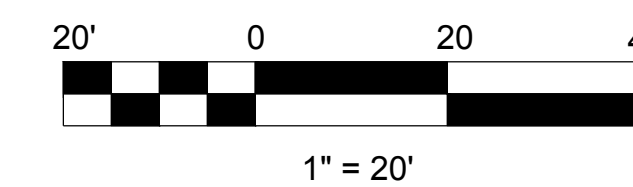


### SOIL PREPARATION LEGEND

SYMBOL	DESCRIPTION	AREA (SF)
	SOIL PREP ZONE 1: RESTORATION AREAS. INFILL WITH 12" OF IMPORT SANDY LOAM TOPSOIL AND AMEND ON SITE. SEE NOTE #1.	95,411 SF
	SEE SOIL PREP DETAIL FOR TREE PLANTING. SOIL PREP ZONE 2: BIORETENTION AREAS, SEE CIVIL.	10,253 SF
	SOIL PREP ZONE 3: NATIVE GARDENS. INFILL WITH IMPORT SANDY LOAM TOPSOIL AND AMEND ON SITE (24" FOR SHRUB, 36" FOR TREES). SEE NOTE #1 AND SPECIFICATION SECTION 329113.2.3. SEE SOIL PREP DETAIL FOR TREE PLANTING.	30,068 SF
	SOIL PREP ZONE 4: STREET TREE SOILS. REFER TO 1/L580.1 AND SPECIFICATION SECTION 329113.2.3	2,283 SF
	SOIL PREP ZONE 5: SODDED TURF SOIL. PROVIDE 12" COMPOST AND SAND MIX PER SPECIFICATIONS.	36,948 SF

### SOIL PREPARATION NOTES

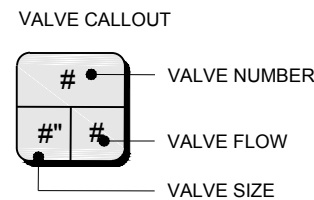
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- PLANTING BACKFILL MIX - REFER TO SPECIFICATION SECTION 329113.2.3
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# IRRIGATION SCHEDULE

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	CALLOUT
	VALVE, HUNTER IBV-R BRASS ELECTRIC REMOTE CONTROL VALVE, GLOBE CONFIGURATION, WITH RECLAIMED WATER ID PURPLE TAG. BRASS.	6 L571.2
	QUICK COUPLER, HUNTER HQ-5LRC-R QUICK COUPLER VALVE, PURPLE LOCKING RUBBER COVER FOR RECLAIMED WATER USE, RED BRASS AND STAINLESS STEEL.	2 L572.2
	SHUT OFF VALVE, NIBCO T-580-S6-R-66-LL STAINLESS STEEL BALL VALVE	5 L571.2
	CONTROL WIRE PULLBOX CHRISTY CONCRETE PULLBOX N-9. (OR EQ.) MARK LID "IRRIGATION WIRES" TYP. BOLT DOWN LID TYP.	5 L570.2
	STUB OUT, FOR FUTURE CONNECTION CAPPED MAINLINE IN BOX	5 L570.2
	IRRIGATION LATERAL LINE: PVC SCHEDULE 40 18" MIN. COVER, 24" UNDER AC PAVING. SEE CHART FOR SIZE.	5 L570.2
	IRRIGATION MAINLINE: SCHEDULE 40 STD. STEEL PIPE 24" MIN. COVER. SEE PLAN FOR SIZES. SCH 40 GALV STEEL SWING JOINTS. COPPERHEAD HS 1830 14 AWG COPPER - CLAD STEEL TRACER WIRE.	5 L570.2
	PIPE SLEEVE: PVC SCHEDULE 40	2 & 3 L571.2



NOTE: REFER TO 900 INNES IRRIGATION SET FOR MASTER VALVE, BACKFLOW, AND PRESSURE BOOSTER INFO.

# IRRIGATION SCHEDULE

SYMBOL	MANUFACTURER/MODEL	QTY	ARC	PSI	GPM	RADIUS
①	HUNTER MP CORNER PROS-12-PRS40-CV-F-R	31	ADJ	40	0.45	13'
②	HUNTER MP1000 PROS-12-PRS40-CV-F-R	3	210-270	40	0.63	14'
③	HUNTER MP1000 PROS-12-PRS40-CV-F-R	132	90-210	40	0.49	14'
④	HUNTER MP1000 PROS-12-PRS40-CV-F-R	7	360	40	0.84	14'
⑤	HUNTER MP2000 PROS-12-PRS40-CV-F-R	8	210-270	40	1.10	19'
⑥	HUNTER MP2000 PROS-12-PRS40-CV-F-R	103	90-210	40	0.86	19'
⑦	HUNTER MP2000 PROS-12-PRS40-CV-F-R	8	360	40	1.48	19'
⑧	HUNTER MP3000 PROS-12-PRS40-CV-F-R	17	360	40	3.64	30'
⑨	HUNTER MP3000 PROS-12-PRS40-CV-F-R	68	90-210	40	2.12	30'
⑩	HUNTER MP3000 PROS-12-PRS40-CV-F-R	3	210-270	40	2.73	30'
⑪	HUNTER MP3500 PROS-12-PRS40-CV-F-R	24	90-210	40	3.29	35'
⑫	HUNTER MP800SR PROS-12-PRS40-CV-F-R	16	360	40	0.78	10'
⑬	HUNTER MP800SR PROS-12-PRS40-CV-F-R	134	ADJ	40	0.42	10'
⑭	HUNTER MP815 PROS-12-PRS40-CV-F-R	1	210-270	40	1.40	15'
⑮	HUNTER MP815 PROS-12-PRS40-CV-F-R	72	90-210	40	1.10	15'
⑯	HUNTER MP815 PROS-12-PRS40-CV-F-R	3	360	40	1.87	15'
⑰	HUNTER PROS-12-CV-R-MSBN	210	360	30	1.00	1'
⑱	HUNTER RZWS-36	250	360	30	0.50	3'

SYMBOL	MANUFACTURER/MODEL	QTY	PSI	GPM	RADIUS
④	HUNTER I-25-06-SS-R	28	40	3.80	36'
⑦	HUNTER I-25-06-SS-R	3	40	6.60	40'
⑧	HUNTER I-25-06-SS-R	24	40	7.70	42'

# GENERAL NOTES

1. GUARANTEE: GUARANTEE THE IRRIGATION SYSTEM FOR ONE YEAR FROM DATE OF ACCEPTANCE.
2. VERIFICATION: FOR NEW SYSTEMS, DESIGN IS BASED ON 80 P.S.I. AND 60 G.P.M. REQUIRED AT DISCHARGE. VERIFY SAME AND NOTIFY OWNER'S REPRESENTATIVE IF SUCH DATA ADVERSELY AFFECTS THE OPERATION OF THE SYSTEM. SUCH NOTICE SHALL BE MADE IN WRITING AND PRIOR TO COMMENCING ANY IRRIGATION WORK.
3. UTILITIES: VERIFY LOCATION OF ALL ON-SITE UTILITIES. PRESERVE AND PROTECT ALL SUCH UTILITIES UNLESS OTHERWISE NOTES. RESTORE DAMAGED UTILITIES TO THE SATISFACTION OF THE OWNER'S REPRESENTATIVE, AND AT NO ADDITIONAL COST TO THE OWNER.
4. SCHEMATIC: SYSTEM FEATURES ARE SHOWN SCHEMATICALLY FOR GRAPHIC CLARITY. INSTALL ALL PIPING AND VALVES IN COMMON TRENCHES WHERE FEASIBLE AND INSIDE PLANTING AREAS ADJACENT TO WALKWAYS AND INSIDE MEDIANS WHENEVER POSSIBLE.
5. SPECIFICATIONS: SEE IRRIGATION SPECIFICATIONS FOR ADDITIONAL INFORMATION.
6. CODES: IRRIGATION SYSTEM SHALL BE INSTALLED IN ACCORDANCE WITH ALL LOCAL CODES AND MANUFACTURER'S SPECIFICATIONS. NOTIFY OWNER'S REPRESENTATIVE BY TELEPHONE AND IN WRITING OF ANY CONFLICTS PRIOR TO INSTALLATION.
7. MASTER VALVE / FLOW SENSOR: CONNECT MASTER VALVE, AND FLOW SENSOR IF INCLUDED, TO CONTROLLER WITH COMMUNICATION CABLE. SEE IRRIGATION DETAILS. INSTALL IN DEDICATED 1" DIAMETER PVC CONDUIT.
8. VALVES: FOR TREE BUBBLER ZONES, INCLUDE THE MFR'S ADJUSTABLE PRESSURE REGULATING DIAL.
9. QUICK COUPLING VALVES: INSTALL ON DOUBLE SWING JOINT. LOCATE 12" AWAY FROM EDGE OF WALKS, WALLS, CURBS, AND HEADERBOARDS WITHIN PLANTING AREAS. PROVIDE ONE SWIVEL, HOSE ELL.
10. CHECK VALVES: INSTALL IN-HEAD CHECK VALVES FOR SPRINKLERS, AND IN-LINE CHECK VALVES IN ALL LATERAL SUPPLY LINES, AS REQUIRED TO MINIMIZE LINE DRAINAGE. ALLOW IN BID PRICE AN AMOUNT OF SUFFICIENT TO PROVIDE AND INSTALL ADDITIONAL CHECK VALVES TO ACCOMMODATE ANY NECESSARY FIELD CHARGES. SEE IN-LINE CHECK VALVE DIAGRAM.
11. BORING: JET BORE OR DIRECTIONAL BORE UNDER EXISTING RIGID PAVING AREAS. DO NOT TRENCH ACROSS UNLESS SPECIFICALLY SHOWN ON THE DRAWINGS AND/OR APPROVED IN WRITING BY THE OWNER'S REPRESENTATIVE.
12. SLEEVING: SCH. 40 PVC PIPE FOR ALL WIRING AND IRRIGATION LINES INSTALLED UNDER PAVING AREAS AND THAT PASS THROUGH DRAINAGE TRENCHES WITH DRAIN ROCK. 4-INCH DIA. OR TWICE THE AGGREGATE DIAMETER OF ALL PIPES CONTAINED WITHIN THE SLEEVE, WHICHEVER IS GREATER. INSTALL (WITH ENDS CLEARLY MARKED ABOVE GRADE) AT THE NECESSARY DEPTH PRIOR TO THE CONSTRUCTION OF PAVING AREAS OR FIELD BASES. SLEEVING TO EXTEND 12" FROM EDGE OF PAVING OR DRAINAGE TRENCH INTO ADJACENT SUBGRADE. NO UNSLEEVED PIPING, ANGLE-BENDS, 90-DEGREE BENDS, OR JOINTS SHALL BE ALLOWED UNDER PAVING.
13. HEAD ALLOWANCE: ALLOW IN BID PRICE AN AMOUNT SUFFICIENT TO PROVIDE AND INSTALL AN ADDITIONAL 5 SPRINKLER HEADS OF EACH TYPE SPECIFIED ON PLAN TO ACCOMMODATE FIELD CHANGES. THESE HEADS SHALL BE LOCATED AS DIRECTED BY THE OWNER'S REPRESENTATIVE. DELIVER TO THE OWNER ANY UNUSED ADDITIONAL HEADS AT THE END OF THE MAINTENANCE PERIOD.
14. FIELD VERIFICATION: FIELD VERIFY DIMENSIONS OF ALL PLANTING AREAS TO RECEIVE SPRINKLER IRRIGATION. DETERMINE NOZZLE PATTERN (1/2 HEAD, 3/4 HEAD, ADJUSTABLE ARC, ETC.) BASED ON FIELD CONDITIONS. ADJUST ALL NOZZLES IN FIELD FOR OPTIMAL COVERAGE AND TO PREVENT OVERSPRAY ONTO WALKS, PAVED AREAS, BUILDINGS, ETC.
15. VALVE TUNING: FOR SPRINKLER CIRCUITS ADJUST FLOW CONTROL ON VALVES, IF REQUIRED, TO OPTIMIZE COVERAGE AND MINIMIZE MISTING.
16. POP-UP HEIGHT: USE 12" POP-UP SPRAYS IN TURF AREAS AND 12" POP-UP SPRAYS IN THE REMAINING PLANTING AREAS, UNLESS OTHERWISE NOTED. SEE LEGEND FOR POP-UP ROTOR HEIGHT.
17. POP-UP LOCATION: DISTANCE OF POP-UP SPRINKLER FROM PAVING OR HEADERBOARD IS EQUAL TO:
  - A. MINIMUM 24" IF ADJACENT NON-PERMEABLE SURFACE DRAINS AWAY FROM PLANTING.
  - B. 2" IF ADJACENT NON-PERMEABLE SURFACE DRAINS ENTIRELY TO PLANTING.
  - C. 2" IF ADJACENT SURFACE IS PERMEABLE AND NO RUNOFF OCCURS.
18. PRESSURE REGULATION: ALL SPRAYS SHALL BE INSTALLED WITH PRESSURE REGULATING SCREENS (PRS).
19. CONTROLLER: INSTALL CONTROLLER AS SHOWN ON THE DRAWINGS. ALL ABOVE-GRADE CONDUIT SHALL BE RIGID STEEL SECURELY FASTENED TO STRUCTURE AND TO CONTROLLER.
20. PROGRAMMING / SCHEDULING
  - A. ET CONTROLLERS: PRIOR TO THE END OF THE MAINTENANCE PERIOD, PROGRAM THE CONTROLLER PER MANUFACTURER'S DIRECTIONS.
  - B. FOR SPRINKLERS, PROVIDE AT LEAST THREE START TIMES FOR TURF AND TWO START TIMES FOR SHRUBS IF OVER 5 MINUTES IN LENGTH FOR ANY ONE STATION. TURF AND SHRUBS SHALL BE ON SEPARATE PROGRAMS.
22. FLUSH (E) MAIN: UPON COMPLETION OF CONNECTIONS, FLUSH MAIN LINE AND EXISTING MAIN BY FLUSHING NEAREST QUICK COUPLER DOWNSTREAM OF P.O.C. ON EXISTING MAIN.
23. RECYCLED WATER ALL WORK TO BE IN ACCORDANCE WITH THE CALIFORNIA DEPARTMENT OF PUBLIC HEALTH REGULATIONS CONTAINED IN TITLE 17 AND TITLE 22 OF THE CALIFORNIA CODE OF REGULATIONS, LATEST EDITION. UNLESS OTHERWISE STATED IN THESE REGULATIONS, A MINIMUM OF 12" OF CLEARANCE SHALL BE PROVIDED BETWEEN IRRIGATION AND POTABLE WATER SERVICE LINES.

# RECYCLED WATER IRRIGATION NOTES:

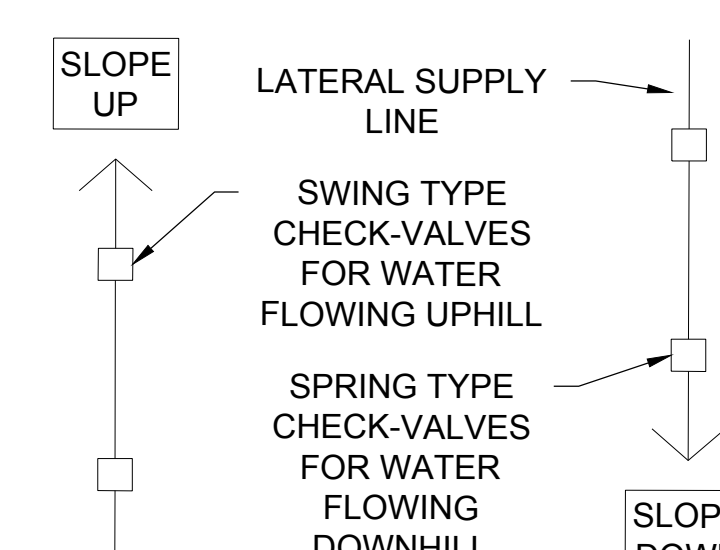
THE FOLLOWING NOTES AND SPECIFICATIONS ARE INTENDED TO ASSIST IRRIGATION CONTRACTORS IN THE INSTALLATION OF AN IRRIGATION SYSTEM THAT COMPLIES WITH THE SAN FRANCISCO TYPICAL CONSTRUCTION NOTES AND RECYCLED WATER SYSTEM REQUIREMENTS. THE NOTES INCLUDED BELOW ARE GENERALLY THE MOST SIGNIFICANT REQUIREMENTS. HOWEVER, IT SHOULD BE NOTED THAT NOT ALL OF THE DISTRICT STANDARDS ARE IDENTIFIED BELOW. WHERE THERE ARE DIFFERENCES BETWEEN DISTRICT AND THE FOLLOWING NOTES OCCUR, DISTRICT STANDARDS SHALL APPLY. THE CONTRACTOR IS REQUIRED TO BE FAMILIAR WITH AND COMPLY WITH ALL OF THE REQUIREMENTS OF THE DISTRICT STANDARDS. WORK SHALL COMPLY WITH THE STANDARDS, PROCEDURES, SPECIFICATION AND DRAWINGS OF CITY AND COUNT OF SAN FRANCISCO RECREATION & PARKS DEPARTMENT & SFPUC.

1. NO WORK SHALL START UNTIL THE CONTRACTOR HAS COMPLETE FAMILIARIZATION WITH THE DISTRICT STANDARD AND ISSUANCE OF THE REQUIRED PERMITS.
2. NOTIFY THE DISTRICT'S AUTHORIZED REPRESENTATIVE NO LESS THAN 2 WORKING DAYS PRIOR TO THE START OF WORK FOR INSPECTIONS SCHEDULE COORDINATION.
3. THE IRRIGATION SYSTEM DESIGN FOR THIS SITE IS BASED ON A STATIC PRESSURE AT THE RECYCLED WATER METER OF XX PSI. THE CONTRACTOR SHALL VERIFY THE AVAILABLE PRESSURE AT THE POINT OF CONNECTION PRIOR TO THE START OF CONSTRUCTION. ANY DEVIATION FROM THE DESIGN PRESSURE SHOWN ABOVE SHALL BE REPORTED TO THE IRRIGATION SYSTEM DESIGNER OR PROPERTY OWNER IMMEDIATELY.
4. ALL PIPING AND IRRIGATION SYSTEMS SHALL BE DESIGNED AND CONSTRUCTED SO THAT SPRAY OR RUNOFF SHALL NOT ENTER A DWELLING, FOOD HANDLING FACILITY, OR EATING AREA AND SHALL NOT CONTACT ANY DRINKING WATER FOUNTAIN. IRRIGATION WITH RECYCLED WATER SHALL BE ACCOMPLISHED AT A TIME AND MANNER THAT MINIMIZES THE POSSIBILITY OF PUBLIC CONTACT. THE CONTRACTOR SHALL CONDUCT PRESSURE AND COVERAGE TESTS WHEN WIND CONDITIONS ARE SUCH THAT WATER WILL NOT BE WINDBLOWN. RECYCLED WATER OVERSPRAY ON THE AREAS NOT CONTROLLED BY OWNER IS PROHIBITED.
5. THE CONTRACTOR SHALL PROPERTY SUPERVISE, INFORM AND WARN ALL INDIVIDUALS INVOLVED IN THE INSTALLATION OF THE RECYCLED WATER IRRIGATION SYSTEM REGARDING THE HAZARDS OF CONTACT WITH RECYCLED WATER. A FIRST AID KIT SHALL BE AVAILABLE AT ALL TIMES DURING INSTALLATION AND OPERATION OF IRRIGATION SYSTEM.
6. ALL RECYCLED WATER PIPING SHALL USE PURPLE COLORED AND STENCILED PIPE, PURPLE RECYCLED WATER WARNING TAPE CONTINUOUSLY APPLIED TO THE PIPE, OR MARKED PLASTIC ENCASMENT. ALL MARKING SHALL INCLUDE THE FOLLOWING: "CAUTION: RECYCLED WATER - DO NOT DRINK". PURPLE PIPE SHALL BE "PURPLE PLUS" MANUFACTURED BY PWPIPE, INC., JM "PURPLE SAVE" OR APPROVED EQUAL.
7. WARNING TAPE OR PIPE ENCASMENT INSTALLED SHALL BE AS MANUFACTURED BY T. CHRISTY ENTERPRISES, RENCOR OR EQUAL.
8. INSTALL VALVES, METERS AND APPURTENANCES IN PURPLE COLORED VALVE BOXES WITH PURPLE LIDS. THE VALVE BOX LID SHALL HAVE THE FOLLOWING WARNINGS MOLDED OR HOT-STAMPED UPON IT: "RECYCLED WATER", OR USE WARNING LABEL BY T. CHRISTY ENTERPRISES 3800 OR EQUAL.
9. ALL SPRINKLERS USED IN CUSTOMER RECYCLED WATER FACILITIES SHALL HAVE AN EXPOSED SURFACE COLORED PURPLE TO ASSOCIATE THEM WITH RECYCLED WATER USE. THE EXPOSED SURFACE MAY BE COLORED PURPLE THROUGH THE USE OF: (1) DYED PLASTIC OR RUBBER, OR (2) WEATHERPROOF PAINT.
10. INSTALL WARNING TAGS AS MANUFACTURED BY T. CHRISTY ENTERPRISES 3150 OR EQUIVALENT TO ALL SUCH CONTROL VALVES, QUICK COUPLER VALVES, CONTROLLERS, METERS, ETC. TAGS SHALL BE WEATHERPROOF PLASTIC, 3-INCH BY 4-INCH, PURPLE IN COLOR WITH THE WORDS "WARNING: RECYCLED WATER-DO NOT DRINK" IMPRINTED ON ONE SIDE AND "AVISO: AGUA IMPURA - NO TOMAR" ON THE OTHER SIDE, OR SIMILAR AS APPROVED BY THE DISTRICT ENGINEER. IMPRINTING SHALL BE PERMANENT AND BLACK IN COLOR.
11. PRIOR TO INSTALLATION, LOCATE DOMESTIC WATER MAINS AND/OR LATERAL (AS APPROPRIATE). RECYCLED WATER IRRIGATION PIPELINES AND PRIVATE POTABLE WATER PIPELINES SHALL BE INSTALLED IN SEPARATE TRENCHES WITH THE GREATEST POSSIBLE HORIZONTAL SEPARATION FROM PRIVATE POTABLE WATER PIPELINES. WHERE POSSIBLE MINIMUM CLEARANCES OF 10' FOOT HORIZONTAL AND 1' FOOT VERTICAL SHALL BE MAINTAINED BETWEEN POTABLE AND RECYCLED WATER LINES. WHERE RECYCLED WATER IRRIGATION PIPELINES AND PRIVATE POTABLE WATER PIPELINES CROSS, THE POTABLE WATER PIPE SHALL BE INSTALLED A MINIMUM OF TWELVE (12) INCHES ABOVE THE RECYCLED WATER PIPING.

MAIN LINE PIPE SIZE	SCHEDULE 40 STEEL (GPM)
1"	10-18
1 1/4 "	18-32
1 1/2 "	32-44
2"	44-70
2 1/2"	70-100
3"	100-160

LATERAL PIPE SIZE	SCHEDULE 40 PVC (GPM)
3/4"	0-7
1"	7-12
1 1/4 "	12-22
1 1/2 "	22-30
2"	30-50
2 1/2"	50-70
3"	70-110

IN-LINE CHECK VALVE DIAGRAM



1. INSTALL VALVE EVERY 7' OF ELEVATION CHANGE ON ALL LATERAL LINES.



# INDIA BASIN SHORELINE PARK

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PH. 415-831-2700

THE TRUST FOR PUBLIC LAND  
101 MONTGOMERY STREET  
SUITE 900  
SAN FRANCISCO, CA 94104  
PH. 415-495-4014

PRIME CONSULTANT / LANDSCAPE ARCHITECT  
GUSTAFSON GUTHRIE NICHOL  
PH. 206-903-8802

CIVIL ENGINEER  
SHERWOOD DESIGN ENGINEERS  
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ARCHITECT  
JENSEN ARCHITECTS  
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ECOLOGICAL RESTORATION  
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JON BRODY STRUCTURAL ENGINEERS  
PH. 415-296-9494

COASTAL ENGINEER  
MOFFATT AND NICHOL  
PH. 925-944-5411

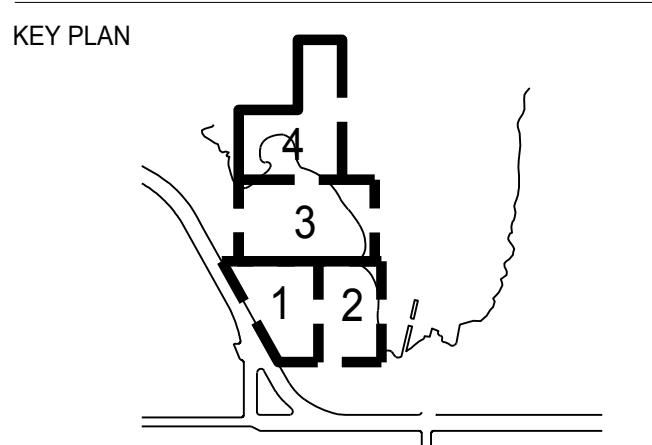
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NITEO CALIFORNIA  
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INTERFACE ENGINEERING  
PH. 415-489-7240

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AGS, INC  
PH. 415-957-9240

SECURITY CONSULTANT  
ZBETA CONSULTING  
PH. 415-259-0422

FOR OFFICIAL USE



# REVISIONS:

NO.	DATE	DESCRIPTION

# ISSUANCE

90% CONSTRUCTION DOCUMENTS

DRAWN BY: MC      CHECKED BY: MY

DATE: 7/01/2021      GGN PROJECT #: 1608

# IRRIGATION LEGEND AND SCHEDULE

# L170A.2



# INDIA BASIN SHORELINE PARK

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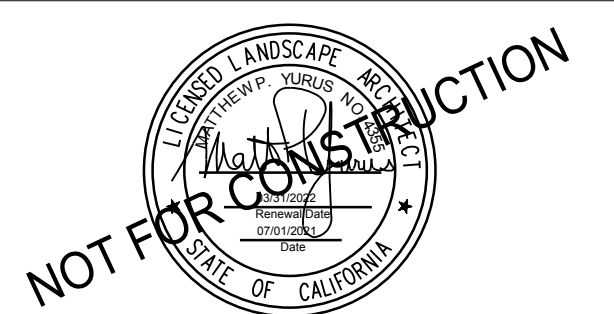
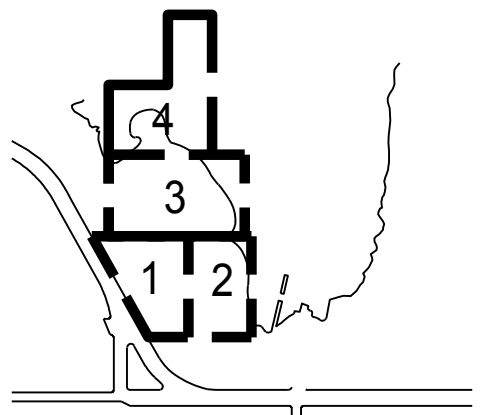
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KEY PLAN



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## HYDROZONE PLAN

# L170B.2

ESTIMATED TOTAL WATER USE EQUATION:		ETWU = (E <sub>t</sub> ) x (0.62) x [(ETAF x HA) + SLA]	
Conversion Factor:	0.62		
<b>Plant Water Use Type</b>	<b>Plant Factor</b>	<b>San Francisco</b>	
Low	0 - 0.3	E <sub>t</sub> (inches/year)	35.10
Medium	0.4 - 0.6	Effective Precipitation (in/yr)	
High	0.7 - 1.0		
SLA	1.0		

Hydrozone	Plant Water Use Type	Irrigation Method	Plant Factor (PF)	Irrigation Efficiency (IE)	ETAF (PF/IE)	Hydrozone Area (HA) sq. ft.	ETAF x HA sq. ft.	Estimated Total Water Use (ETWU)	% of Landscape Area	
California Native Garden	Low	MP Rotator	0.3	0.75	0.40	25,398	10,159	221,085	15%	
Shoreline Landscape	Low/Medium	MP Rotator	0.4	0.75	0.53	29,065	15,501	337,340	17%	
Bioretention Planting	Medium	MP Rotator	0.4	0.75	0.53	6,674	3,559	77,461	4%	
Shoreline Restoration	Very Low	MP Rotator	0.2	0.75	0.27	56,939	15,184	330,428	34%	
Shoreline Grassland	Low/Medium	MP Rotator	0.4	0.75	0.53	7,808	4,164	90,623	5%	
Sub-Totals:							125,884	48,568	1,056,937	74.4%

Special Landscape Areas										
Hydrozone	Valve Number	Plant Water Use Type	Irrigation Method	ETAF (PF/IE)	Hydrozone Area (HA) sq. ft.	ETAF x HA sq. ft.	Estimated Total Water Use (ETWU)			
Marineway Lawn	6	High	Rotor	1	43,283	43,283	941,925	26%		
Sub-Totals:							43,283	43,283	941,925	25.6%
Total:							169,167	1,998,861	100.0%	

ETWU = (E<sub>t</sub>) x (0.62) x [(ETAF x HA) + SLA]  
 ETWU = (35.1) x (0.62) x [(16,451) + 0]  
**ETWU = 1,998,861 gal.**

MAWA = (E<sub>t</sub>) x (0.62) x [(ETAF x HA) + ((1-ETAF x SLA))]  
 MAWA = (35.1) x (0.62) x [(0.45 x 169,167) + ((1-0.45 x 43,283))]  
**MAWA = 2,178,488 gal.**

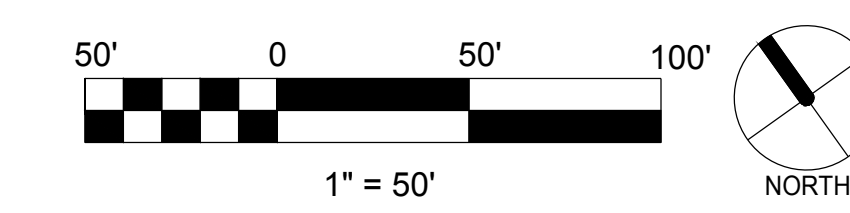
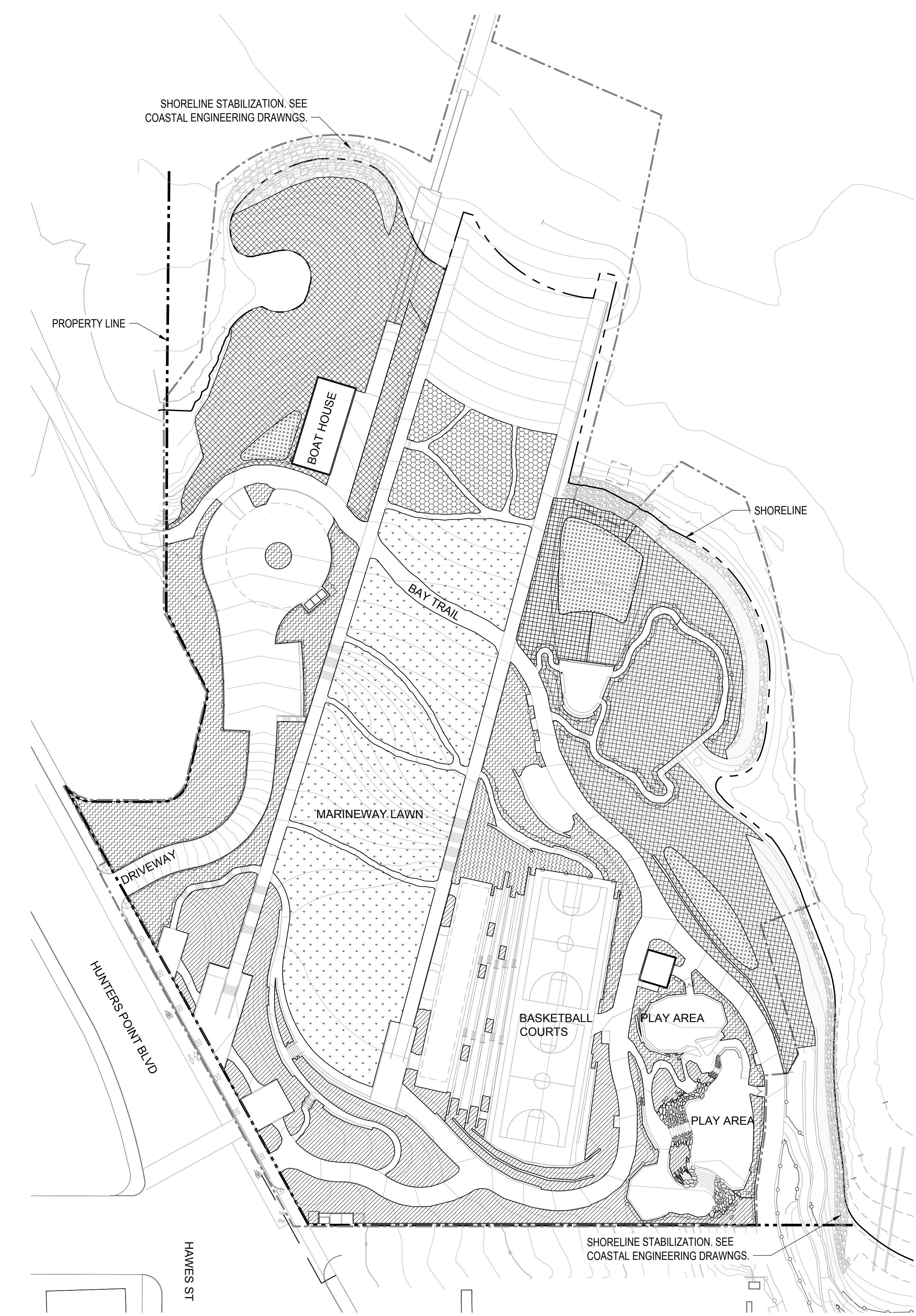
ETAF:  
 0.45 For Non-Residential  
 0.55 For Residential

## HYDROZONE LEGEND

HYDROZONE HATCH	HYDROZONE DESCRIPTION	SQ FT	% OF TOTAL AREA	PLANT TYPE	EXPOSURE	IRRIGATION
	CALIFORNIA NATIVE GARDENS	25,398	15%	LOW	SUN TO PART SUN	LOW VOLUME ROTARY SPRAY/BUBBLER
	SHORELINE LANDSCAPE	29,065	17%	LOW/MEDIUM	SUN TO PART SUN	MP ROTATOR SPRAY
	MARINEWAY LAWN	43,283	25%	HIGH	SUN ALL DAY	LOW VOLUME ROTARY SPRAY
	BIORETENTION PLANTING	6,674	4%	MEDIUM	SUN ALL DAY	LOW VOLUME ROTARY SPRAY
	SHORELINE RESTORATION	56,939	34%	VERY LOW	SUN ALL DAY	LOW VOLUME ROTARY SPRAY
	SHORELINE GRASSLAND	7,808	5%	LOW/MEDIUM	SUN ALL DAY	LOW VOLUME ROTARY SPRAY

I HAVE COMPLIED WITH THE CRITERIA OF THE ORDINANCE AND APPLIED THEM FOR THE EFFICIENT USE OF WATER IN THE LANDSCAPE DESIGN PLANS.

MATT YURUS, PLA #4355





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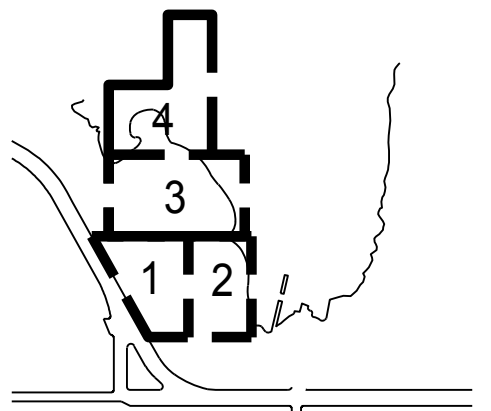
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KEY PLAN



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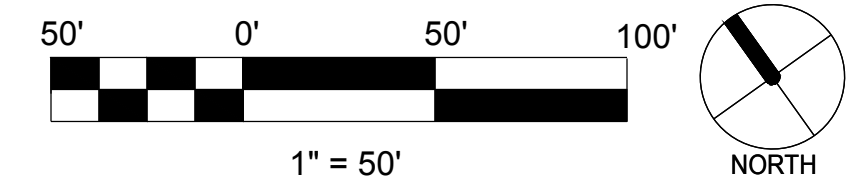
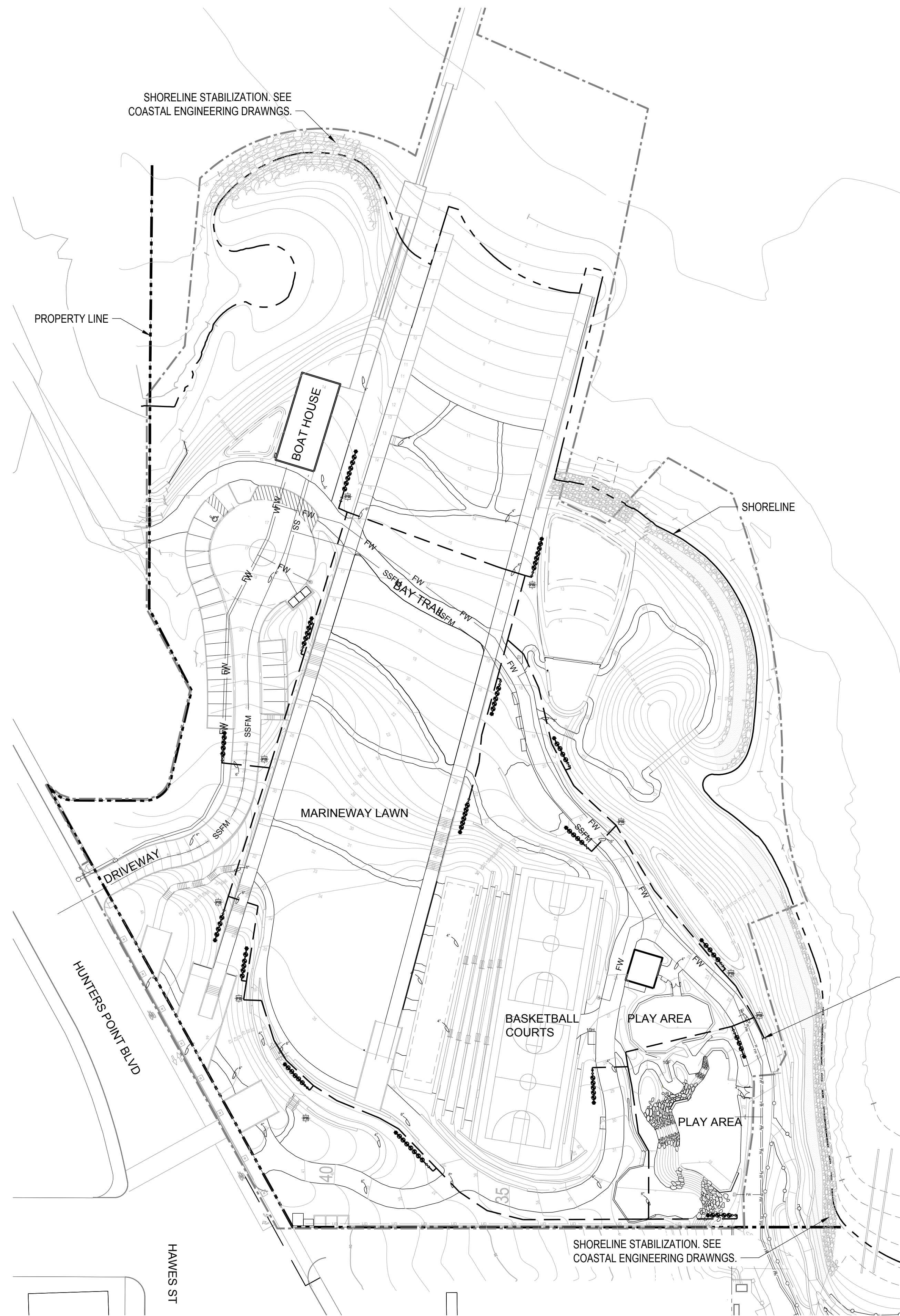
ISSUANCE

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## MAINLINE-OVERALL

# L170C.2



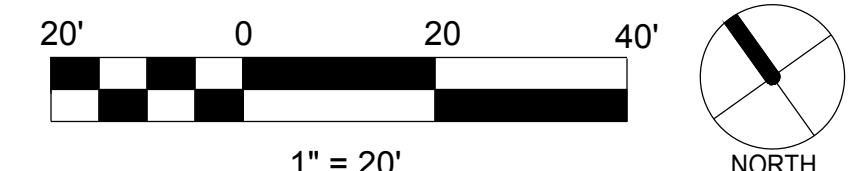


# IRRIGATION SCHEDULE

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION
	VALVE, HUNTER IBV-R BRASS ELECTRIC REMOTE CONTROL VALVE, GLOBE CONFIGURATION, WITH RECLAIMED WATER ID PURPLE TAG. BRASS.
	QUICK COUPLER, HUNTER HQ-5LRC-R QUICK COUPLER VALVE, PURPLE LOCKING RUBBER COVER FOR RECLAIMED WATER USE, RED BRASS AND STAINLESS STEEL.
	SHUT OFF VALVE, NIBCO T-580-S6-R-66-LL STAINLESS STEEL BALL VALVE
	CONTROL WIRE PULLBOX CHRISTY CONCRETE PULLBOX N-9. (OR EQ.) MARK LID "IRRIGATION WIRES" TYP. BOLT DOWN LID TYP.
	STUB OUT, FOR FUTURE CONNECTION CAPPED MAINLINE IN BOX
	IRRIGATION LATERAL LINE: PVC SCHEDULE 40 18" MIN. COVER, 24" UNDER AC PAVING. SEE CHART FOR SIZE.
	IRRIGATION MAINLINE: SCHEDULE 40 STD. STEEL PIPE 24" MIN. COVER. SEE PLAN FOR SIZES. SCH 40 GALV STEEL SWING JOINTS. COPPERHEAD HS 1830 14 AWG COPPER - CLAD STEEL TRACER WIRE.
	PIPE SLEEVE: PVC SCHEDULE 40

SYMBOL	MANUFACTURER/MODEL
	HUNTER MP CORNER PROS-12-PRS40-CV-F-R
	HUNTER MP1000 PROS-12-PRS40-CV-F-R
	HUNTER MP1000 PROS-12-PRS40-CV-F-R
	HUNTER MP1000 PROS-12-PRS40-CV-F-R
	HUNTER MP2000 PROS-12-PRS40-CV-F-R
	HUNTER MP2000 PROS-12-PRS40-CV-F-R
	HUNTER MP2000 PROS-12-PRS40-CV-F-R
	HUNTER MP3000 PROS-12-PRS40-CV-F-R
	HUNTER MP3000 PROS-12-PRS40-CV-F-R
	HUNTER MP3000 PROS-12-PRS40-CV-F-R
	HUNTER MP3500 PROS-12-PRS40-CV-F-R
	HUNTER MP800SR PROS-12-PRS40-CV-F-R
	HUNTER MP800SR PROS-12-PRS40-CV-F-R
	HUNTER MP815 PROS-12-PRS40-CV-F-R
	HUNTER MP815 PROS-12-PRS40-CV-F-R
	HUNTER MP815 PROS-12-PRS40-CV-F-R
	HUNTER PROS-12-CV-R-MSBN
	HUNTER RZWS-36
	HUNTER I-25-06-SS-R
	HUNTER I-25-06-SS-R
	HUNTER I-25-06-SS-R

NOTES:  
 -TREE BUBBLER SYMBOL REPRESENTS TWO UNITS, SHOWN AS ONE ON PLAN TO AVOID CLUTTER. CONTRACTOR TO INSTALL PER DETAIL 3 ON L572.1  
 -MAINLINE AND LATERAL ROUTING SHOWN OUTSIDE OF PLANTER BEDS FOR CLARITY



## INDIA BASIN SHORELINE PARK

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 RECREATION AND PARKS DEPARTMENT  
 49 SOUTH VAN NESS AVENUE, SUITE 1220  
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 SHERWOOD DESIGN ENGINEERS  
 PH. 415-348-9650

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 PH. 415-296-9494

COASTAL ENGINEER  
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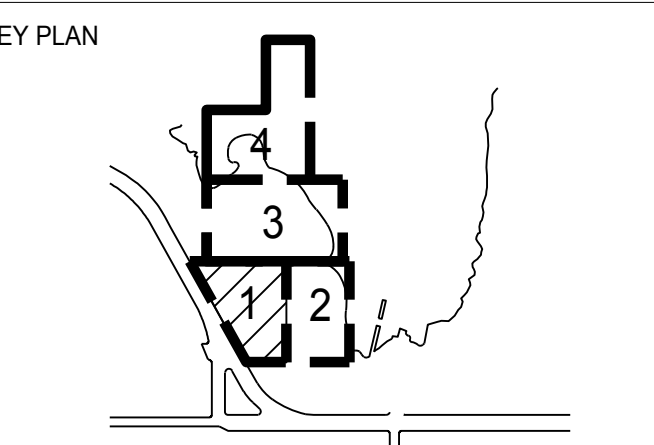
LIGHTING  
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### ISSUANCE

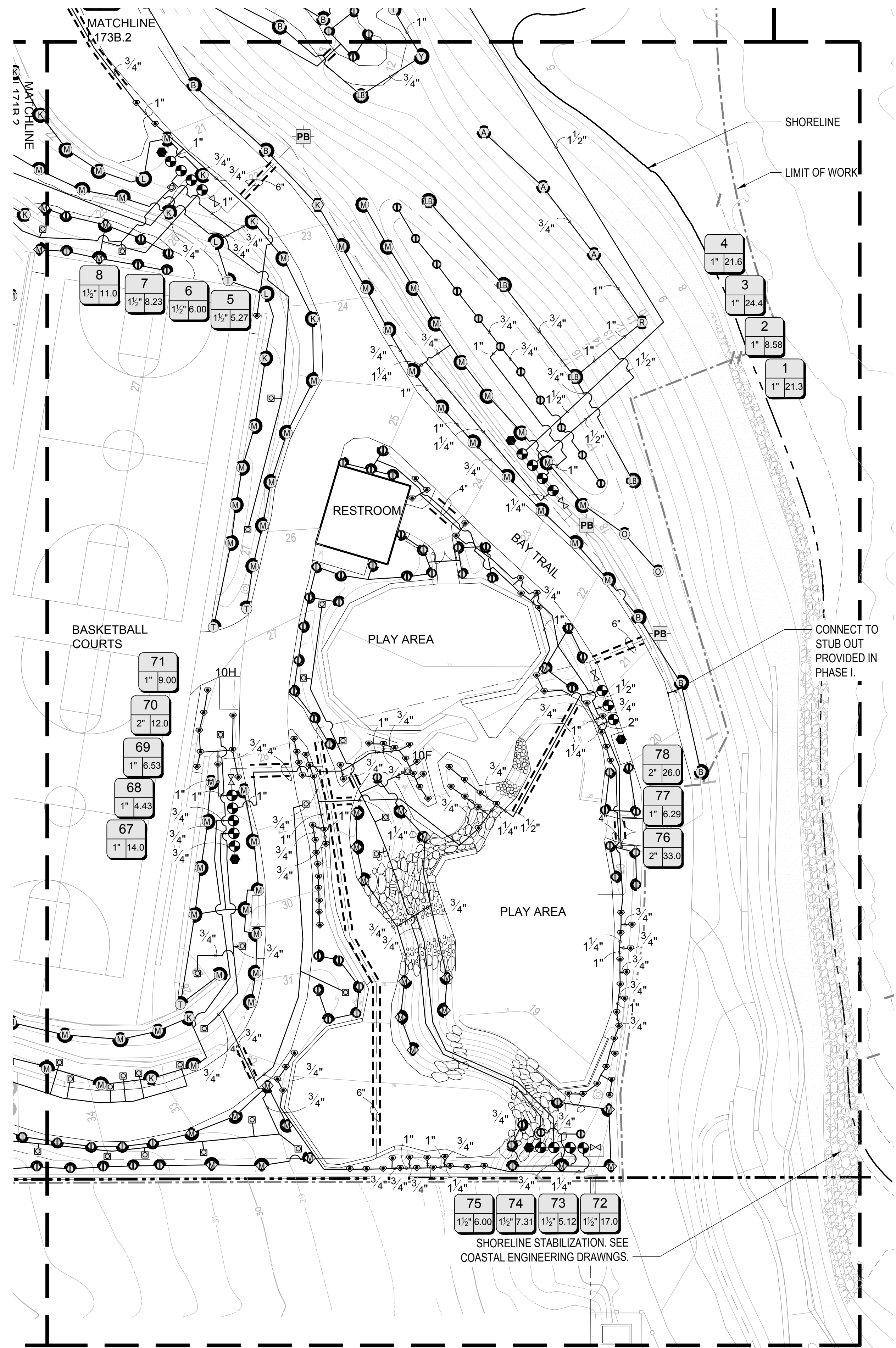
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### IRRIGATION-SECTOR 1

# L171B.2





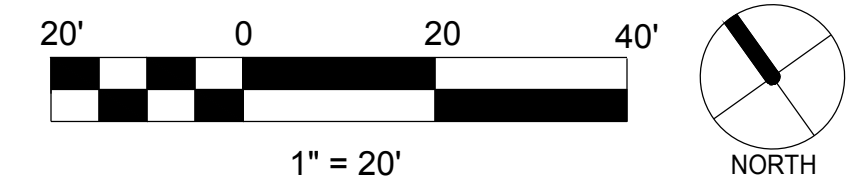
## IRRIGATION SCHEDULE

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION
	VALVE, HUNTER IBV-R BRASS ELECTRIC REMOTE CONTROL VALVE, GLOBE CONFIGURATION, WITH RECLAIMED WATER ID PURPLE TAG. BRASS.
	QUICK COUPLER, HUNTER HQ-5LRC-R QUICK COUPLER VALVE, PURPLE LOCKING RUBBER COVER FOR RECLAIMED WATER USE, RED BRASS AND STAINLESS STEEL.
	SHUT OFF VALVE, NIBCO T-580-S6-R-66-LL STAINLESS STEEL BALL VALVE
	CONTROL WIRE PULLBOX CHRISTY CONCRETE PULLBOX N-9. (OR EQ.) MARK LID "IRRIGATION WIRES" TYP. BOLT DOWN LID TYP.
	STUB OUT, FOR FUTURE CONNECTION CAPPED MAINLINE IN BOX
	IRRIGATION LATERAL LINE: PVC SCHEDULE 40 18" MIN. COVER, 24" UNDER AC PAVING. SEE CHART FOR SIZE.
	IRRIGATION MAINLINE: SCHEDULE 40 STD. STEEL PIPE 24" MIN. COVER. SEE PLAN FOR SIZES. SCH 40 GALV STEEL SWING JOINTS. COPPERHEAD HS 1830 14 AWG COPPER - CLAD STEEL TRACER WIRE.
	PIPE SLEEVE: PVC SCHEDULE 40

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	HUNTER MP1000 PROS-12-PRS40-CV-F-R
	HUNTER MP1000 PROS-12-PRS40-CV-F-R
	HUNTER MP2000 PROS-12-PRS40-CV-F-R
	HUNTER MP2000 PROS-12-PRS40-CV-F-R
	HUNTER MP2000 PROS-12-PRS40-CV-F-R
	HUNTER MP3000 PROS-12-PRS40-CV-F-R
	HUNTER MP3000 PROS-12-PRS40-CV-F-R
	HUNTER MP3500 PROS-12-PRS40-CV-F-R
	HUNTER MP800SR PROS-12-PRS40-CV-F-R
	HUNTER MP800SR PROS-12-PRS40-CV-F-R
	HUNTER MP815 PROS-12-PRS40-CV-F-R
	HUNTER MP815 PROS-12-PRS40-CV-F-R
	HUNTER MP815 PROS-12-PRS40-CV-F-R
	HUNTER PROS-12-CV-R-MSBN
	HUNTER RZWS-36

SYMBOL	MANUFACTURER/MODEL
	HUNTER I-25-06-SS-R
	HUNTER I-25-06-SS-R
	HUNTER I-25-06-SS-R

NOTES:  
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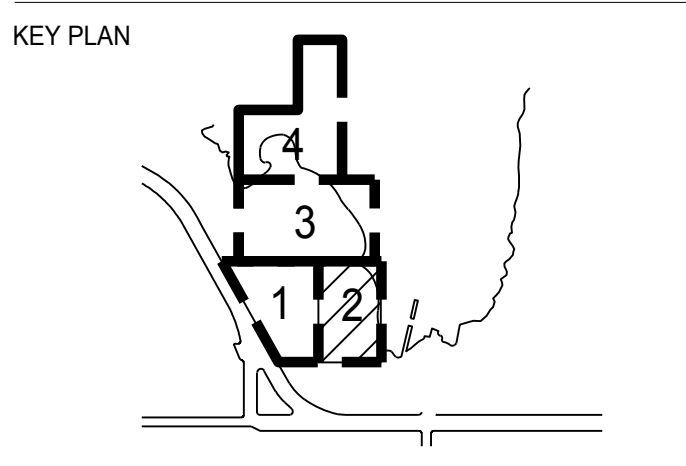
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## IRRIGATION-SECTOR 2

# L172B.2



# INDIA BASIN SHORELINE PARK

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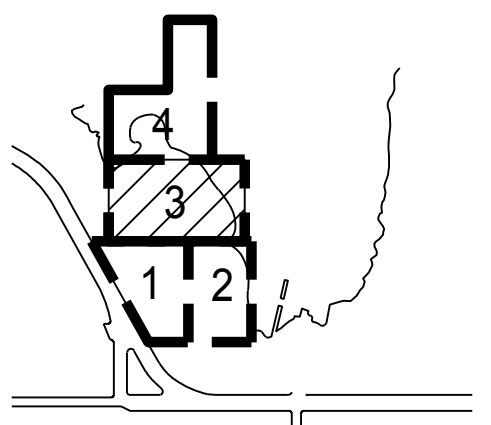
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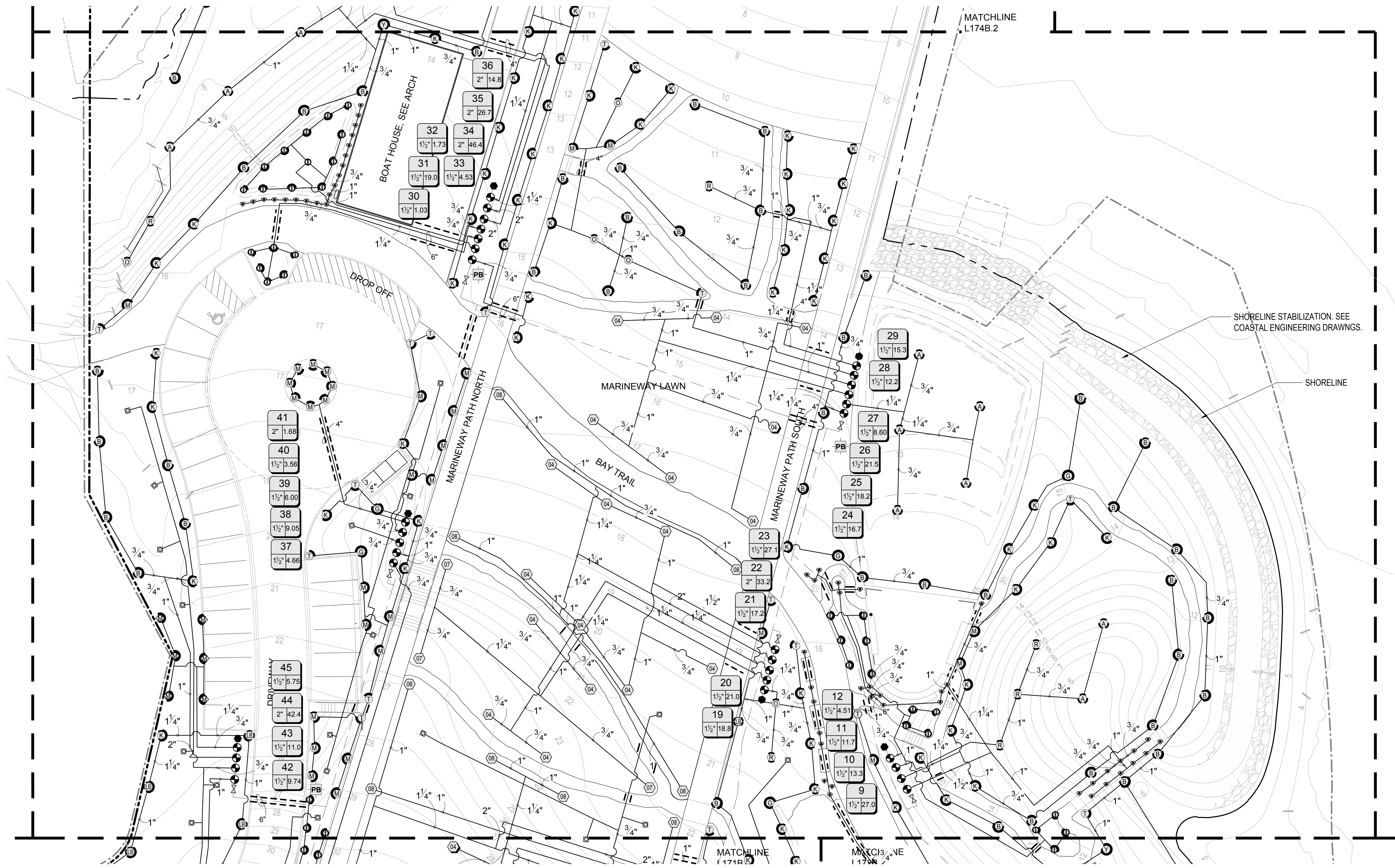
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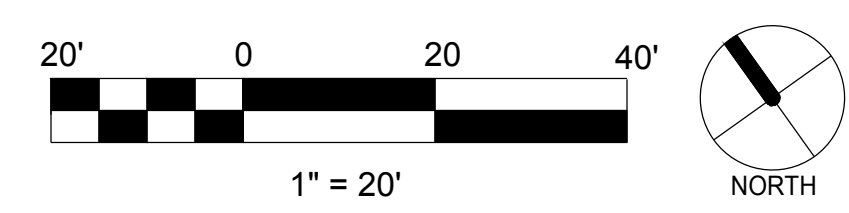
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### IRRIGATION-SECTOR 3

# L173B.2



NOTES:  
-SEE SHEET L170A.2 FOR IRRIGATION SCHEDULE  
-TREE BUBBLER SYMBOL REPRESENTS TWO UNITS, SHOWN AS ONE ON PLAN TO AVOID CLUTTER. CONTRACTOR TO INSTALL PER DETAIL 3 ON L572.1  
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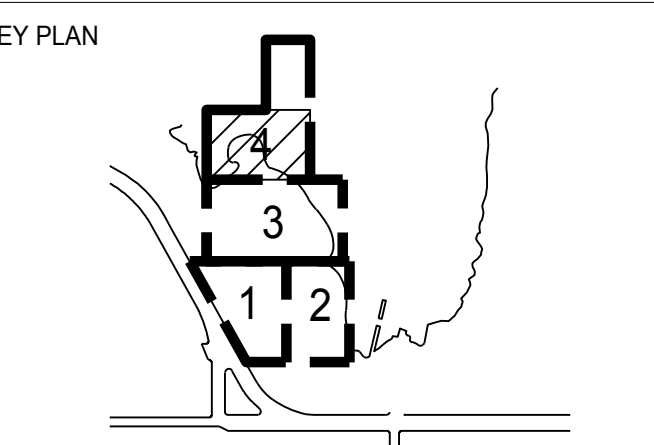
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## IRRIGATION-SECTOR 4

# L174B.2

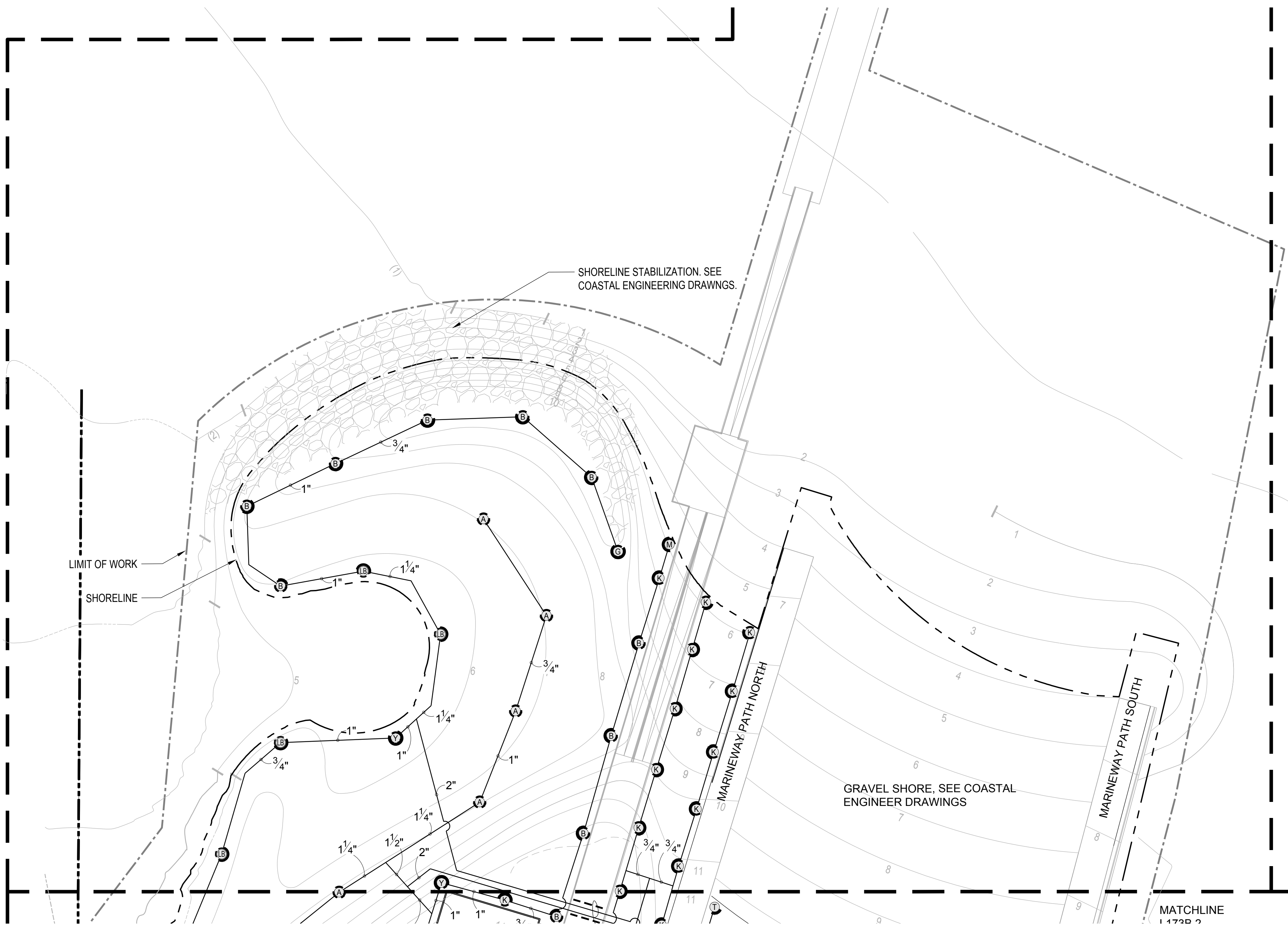
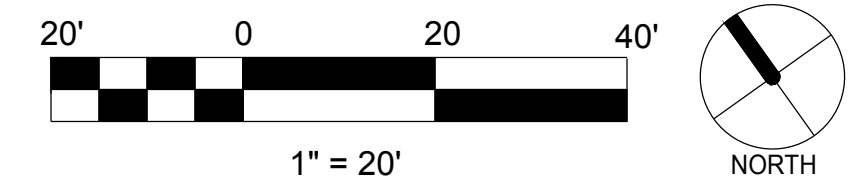
### IRRIGATION SCHEDULE

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	SHUT OFF VALVE, NIBCO T-580-S6-R-66-LL STAINLESS STEEL BALL VALVE
	CONTROL WIRE PULLBOX CHRISTY CONCRETE PULLBOX N-9. (OR EQ.) MARK LID "IRRIGATION WIRES" TYP. BOLT DOWN LID TYP.
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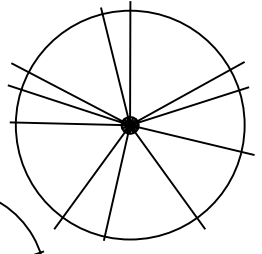
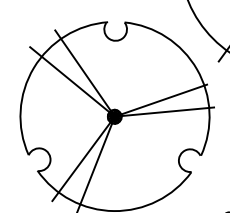
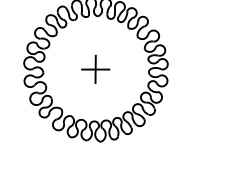

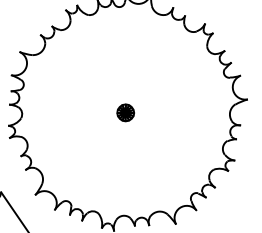
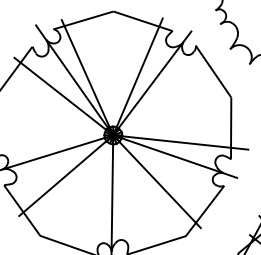
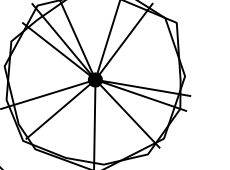
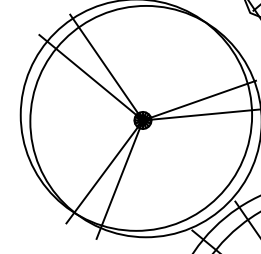
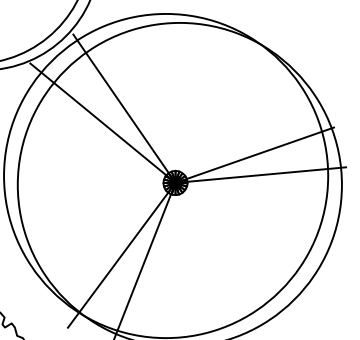
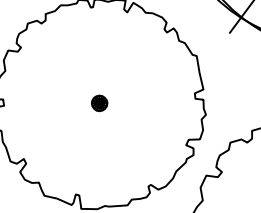
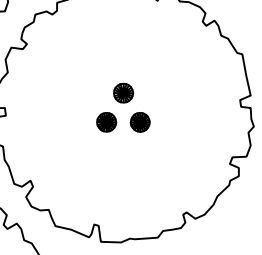
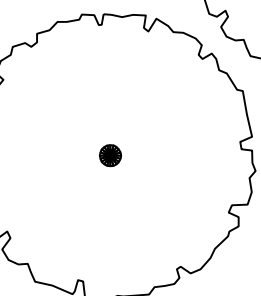
SYMBOL	MANUFACTURER/MODEL
	HUNTER I-25-06-SS-R
	HUNTER I-25-06-SS-R
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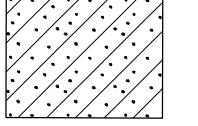
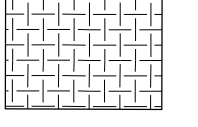
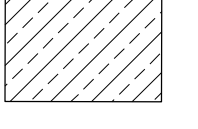
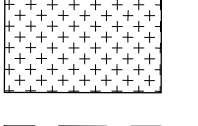
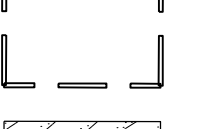
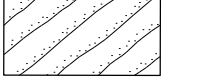
## LANDSCAPE TREES

TREES	CODE	BOTANICAL / COMMON NAME	SIZE	ORIGIN	CALIPER	QTY
	ACE MAC	ACER MACROPHYLLUM / BIG LEAF MAPLE	36"BOX	BAY	3"	7
	AES CAL	AESCLUS CALIFORNICA / CALIFORNIA BUCKEYE STANDARD	24"BOX	BAY	2"	11
	ARB MEN	ARBUTUS MENZIESII / PACIFIC MADRONE	5 GAL	BAY	1"	10
	ARC HUR	ARCTOSTAPHYLOS MANZANITA 'DR. HURD' / DR. HURD MANZANITA	24"BOX	CA	1"	12
	CUP MAC	CUPRESSUS MACROCARPA / MONTEREY CYPRESS STANDARD	48"BOX	CA	4"	7
	PIN RAD	PINUS RADIATA / MONTEREY PINE	36"BOX	BAY	3"	5
	PIN TO2	PINUS TORREYANA / TORREY PINE	36"BOX	CA	3"	7
	PLA RA2	PLATANUS RACEMOSA / CALIFORNIA SYCAMORE STANDARD	48"BOX	BAY	3"	6
	PLA RAC	PLATANUS RACEMOSA / CALIFORNIA SYCAMORE	72"BOX	BAY	6"	4
	QUE AG1	QUERCUS AGRIFOLIA / COAST LIVE OAK	24"BOX	BAY	2"	38
	QUE AG2	QUERCUS AGRIFOLIA / COAST LIVE OAK MULTI-TRUNK	36"BOX	BAY	3"	10
	QUE AG3	QUERCUS AGRIFOLIA / COAST LIVE OAK	48"BOX	BAY	4"	8

## GROUND COVER AREAS

GROUND COVERS	CODE	BOTANICAL / COMMON NAME	CONT	ORIGIN	SPACING	QTY
	CAR PRA	CAREX PRAEGRACILIS / CALIFORNIA FIELD SEDGE	4"POT	BAY	12" o.c.	4,772
	CAR PR4	CAREX PRAEGRACILIS / CALIFORNIA FIELD SEDGE	4"POT	CA	18" o.c.	879
	CAR TU5	CAREX TUMULICOLA / FOOTHILL SEDGE	1 GAL	BAY	18" o.c.	564
	LEY LA6	LEYMUS TRITICOIDES 'LAGUNITA' / WILD RYE	PLUG	CA	6" o.c.	17,749
	SIS BE3	SISYRINCHIUM BELLUM / BLUE EYED GRASS	4"POT	BAY	12" o.c.	153
	SIS YEL	SISYRINCHIUM CALIFORNICUM / YELLOW EYED GRASS	4"POT	BAY	12" o.c.	503
	L1	TURF SOD / 80% DWARF FESCUE, 20% BLUEGRASS	SOD	CA		43,265 SF

## RESTORATION AND GRASSLAND AREAS

SYMBOL	CODE	ZONE NAME	DETAIL	POST-PLANTING TREATMENT	QTY
	R1	MID + HIGH MARSH	1/L185.2	NONE	13,034 SF
	R2	MARSH TRANSITION	2/L185.2	NONE	5,469 SF
	R3	UPLAND BASE	5/L185.2	HYDROSEED PER SPECS	35,881 SF
	R4	UPLAND GRASSLAND	3/L185.2	HYDROSEED PER SPECS	2,739 SF
	R5	BIORETENTION	S.C.D.	ROCK MULCH PER CIVIL	6,668 SF
	R7	SANDY INTERTIDAL	--	HAND SEED PER DETAIL	1,386 SF

### NOTES:

- APPLY HYDROSEED TO ALL UPLAND BASE RESTORATION AREA (R3) AND UPLAND GRASSLAND RESTORATION AREA (R4) AFTER PLANT INSTALLATION. REFER TO SPEC SECTION 32 92 13.
- DO NOT APPLY HYDROSEED OR MULCH TO MID + HIGH MARSH RESTORATION AREA (R1), MARSH TRANSITION RESTORATION AREA (R2), OR SANDY INTERTIDAL (R7).
- APPLY ROCK MULCH TO ALL BIORETENTION AREAS (R5). ROCK MULCH SHALL BE ANGULAR QUARRYSTONE ROCK - CALTRANS BACKING NO. 2, SIZE 3-5. REFER TO CIVIL PLANS.
- APPLY SHEET MULCH PER 6/L185.2 AND PLANTING MATERIALS SPEC SECTION 32 93 00 TO ALL OTHER PLANTING AREAS

## INDIA BASIN SHORELINE PARK

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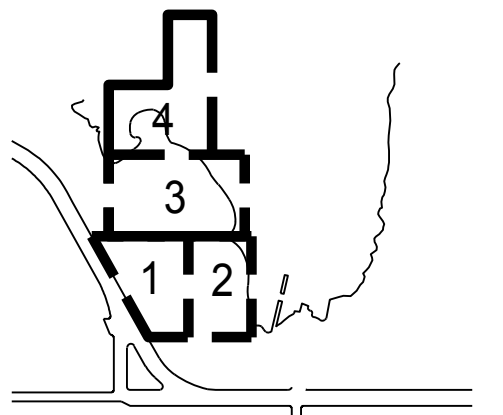
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ISSUANCE

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DATE 7/01/2021	GGN PROJECT # 1608

## PLANTING LEGEND AND SCHEDULE

# L180A.2



SHRUBS	CODE	BOTANICAL / COMMON NAME	CONT	ORIGIN	SHRUBS	CODE	BOTANICAL / COMMON NAME	CONT	ORIGIN
	AES CA3	AESCULUS CALIFORNICA / CALIFORNIA BUCKEYE	15 GAL	BAY	*	HES WHI	HESPEROYUCCA WHIPPLEI / CHAPARRAL YUCCA	5 GAL	CA
	AGA AME	AGAVE AMERICANA / CENTURY PLANT	15 GAL	MEX		HET ARB	HETEROMELES ARBUTIFOLIA / TOYON	15 GAL	BAY
	ARC PDS	ARCTOSTAPHYLOS PAJAROENSIS 'PARADISE' / PARADISE PAJARO MANZANITA	15 GAL	CA	o	HOR BR4	HORDEUM BRACHYANTHERUM / MEADOW BARLEY	1 GAL	CA
	ARC SAN	ARCTOSTAPHYLOS UVA-URSI 'SAN BRUNO MOUNTAIN' / SAN BRUNO MOUNTAIN KINNIKINNICK	1 GAL	BAY	o	IRI DOU	IRIS DOUGLASIANA / DOUGLAS IRIS	1 GAL	CA
	ARC MIS	ARCTOSTAPHYLOS X 'PACIFIC MIST' / PACIFIC MIST MANZANITA	5 GAL	CA	o	IRI CA2	IRIS DOUGLASIANA PCH 'CANYON SNOW' / CANYON SNOW IRIS	1 GAL	CA
	ARC SUN	ARCTOSTAPHYLOS X 'SUNSET' / SUNSET MANZANITA	5 GAL	CA	o	IRI LON	IRIS LONGIPETALA / LONG PETAIED IRIS	1 GAL	BAY
	ARI CAL	ARISTOLOCHIA CALIFORNICA / CALIFORNIA DUTCHMAN'S PIPE	1 GAL	CA	o	JUN EFF	JUNCUS EFFUSUS / SOFT RUSH	D-16	BAY
	ART CAL	ARTEMISIA CALIFORNICA / CALIFORNIA SAGEBRUSH	5 GAL	BAY	o	JUN PAT	JUNCUS PATENS / CALIFORNIA GRAY RUSH	D-16	BAY
	ART CAC	ARTEMISIA CALIFORNICA 'CANYON GREY' / PROSTRATE CALIFORNIA SAGEBRUSH	5 GAL	CA	o	LEP ELT	LEPECHINIA FRAGRANS 'EL TIGRE' / ISLAND PITCHERSAGE	5 GAL	CA
	ART DOU	ARTEMISIA DOUGLASIANA / MUGWORT	1 GAL	BAY	o	LEY CAN	LEYMUS CONDENSATUS 'CANYON PRINCE' / CANYON PRINCE GIANT WILD RYE	5 GAL	CA
	ART PCN	ARTEMISIA PYCNOCEPHALA / BEACH SAGEWORT	1 GAL	BAY	o	LEY WIL	LEYMUS TRITICOIDES / WILD RYE	D-16	BAY
	BAC PIL	BACCHARIS PILULARIS [50% SSP. CONSANGUINEA, 50% SSP. PILULARIS] / COYOTE BRUSH	5 GAL	CA	o	LUP AR2	LUPINUS ARBOREUS / YELLOW TREE LUPINE	1 GAL	BAY
	BAC PTP	BACCHARIS PILULARIS 'TWIN PEAKS' / TWIN PEAKS COYOTE BRUSH	5 GAL	BAY	o	LUP CHA	LUPINUS CHAMISSONIS / BUSH LUPINE	5 GAL	BAY
	BER ACM	BERBERIS AQUIFOLIUM 'COMPACTA' / COMPACT OREGON GRAPE	5 GAL	CA	o	MIM AUR	MIMULUS AURANTIACUS / STICKY MONKEY FLOWER	1 GAL	BAY
	BOL MR2	BOLBOSCHOENUS MARITIMUS / ALKALI BULRUSH	TP-4	BAY	o	MON VI2	MONARDELLA VILLOSA / COYOTE MINT	1 GAL	BAY
	CAL FOL	CALAMAGROSTIS FOLIOSA / REED GRASS	1 GAL	CA	o	MUH RIG	MUHLENBERGIA RIGENS / DEER GRASS	5 GAL	CA
	CAL NU2	CALAMAGROSTIS NUTKAENSIS / PACIFIC REED GRASS	5 GAL	BAY	o	MYR CAL	MYRICA CALIFORNICA / PACIFIC WAX MYRTLE	15 GAL	BAY
	CAL CYC	CALYSTEGIA MACROSTEGIA CYCLOSTEGIA / COAST MORNING GLORY	5 GAL	BAY	o	PHI WI2	PHILADELPHUS LEWISII / WILD MOCKORANGE	15 GAL	CA
	CAR CAL	CARPENTERIA CALIFORNICA / BUSH ANEMONE	15 GAL	CA	o	RHA MO2	RHAMNUS CALIFORNICA 'MOUND SAN BRUNO' / CALIFORNIA COFFEEBERRY	15 GAL	BAY
	CEA YA2	CEANOTHUS GRISEUS HORIZONTALIS 'YANKEE POINT' / YANKEE POINT CARMEL CREEPER	5 GAL	CA	o	RIB FLO	RIBES SANGUINEUM GLUTINOSUM 'CLAREMONT' / FLOWERING CURRANT	5 GAL	CA
	CEA JUL	CEANOTHUS X 'JULIA PHELPS' / JULIA PHELPS WILD LILAC	15 GAL	CA	o	RIB VIB	RIBES VIBURNIFOLIUM / EVERGREEN CURRANT	5 GAL	CA
	CEA JO2	CEANOTHUS X 'JOYCE COULTER' / JOYCE COULTER WILD LILAC	15 GAL	CA	o	SAL POI	SALVIA LEUCOPHYLLA 'POINT SAL' / POINT SAL PURPLE SAGE	5 GAL	CA
	CLI DO2	CLINOPODIUM DOUGLASII / YERBA BUENA	1 GAL	BAY	o	SAL MEL	SALVIA MELLIFERA / BLACK SAGE	5 GAL	BAY
	COR FIL	CORETHROGYNE FILAGINIFOLIA 'SILVER CARPET' / CALIFONIA ASTER	1 GAL	CA	o	SAL TER	SALVIA MELLIFERA 'TERRA SECA' / TERRA SECA BLACK SAGE	5 GAL	CA
	CYN GRA	CYNOGLOSSUM GRANDE / HOUND'S TONGUE	1 GAL	BAY	o	SAL SPA	SALVIA SPATHACEA / HUMMINGBIRD SAGE	1 GAL	CA
	DES CES	DESCHAMPSIA CESPITOSA HOLCIFORMIS / CALIFORNIA HAIR GRASS	STUBBY	BAY	o	SAL ALL	SALVIA X 'WINIFRED GILMAN' / WINIFRED GILMAN SAGE	5 GAL	CA
	ERI BEA	ERIGERON GLAUCUS / BEACH DAISY	1 GAL	BAY	o	SAL DAR	SALVIA X 'DARA'S CHOICE' / DARA'S CHOICE SAGE	1 GAL	CA
	ERI ARB	ERIOGONUM ARBORESCENS / SANTA CRUZ ISLAND BUCKWHEAT	1 GAL	CA	o	SAL BEE	SALVIA X 'BEE'S BLISS' / BEE'S BLISS SAGE	1 GAL	CA
	ERI GIG	ERIOGONUM GIGANTEUM / ST. CATHERINE'S LACE	5 GAL	CA	o	SOL CA2	SOLIDAGO CALIFORNICA / CALIFORNIA GOLDENROD	1 GAL	BAY
	ERI LAT	ERIOGONUM LATIFOLIUM / COAST BUCKWHEAT	1 GAL	BAY	o	STA BUL	STACHYS BULLATA / HEDGE NETTLE	1 GAL	BAY
	ERI STA	ERIOPHYLLUM STAECHADIFOLIUM / LIZARD-TAIL	1 GAL	BAY	o	SYM CHI	SYMPHYOTRICHUM CHILENSE / PACIFIC ASTER	1 GAL	BAY
	GAR ELL	GARRYA ELLIPTICA / COAST SILKTASSEL	15 GAL	CA	o	SYM PSG	SYMPHYOTRICHUM CHILENSE 'POINT ST. GEORGE' / POINT ST. GEORGE PACIFIC ASTER	1 GAL	CA
	GRI HGP	GRINDELIA STRICTA ANGUSTIFOLIA / MARSH GUMPLANT	1 GAL	BAY	o	TRI WOO	TRICHOSTEMA LANATUM / WOOLLY BLUE CURLS	1 GAL	CA
	GRI PLA	GRINDELIA STRICTA PLATYPHYLLA / SPREADING GRINDELIA	1 GAL	CA	o	WYE ANG	WYETHIA ANGUSTIFOLIA / MULE'S EARS	1 GAL	BAY

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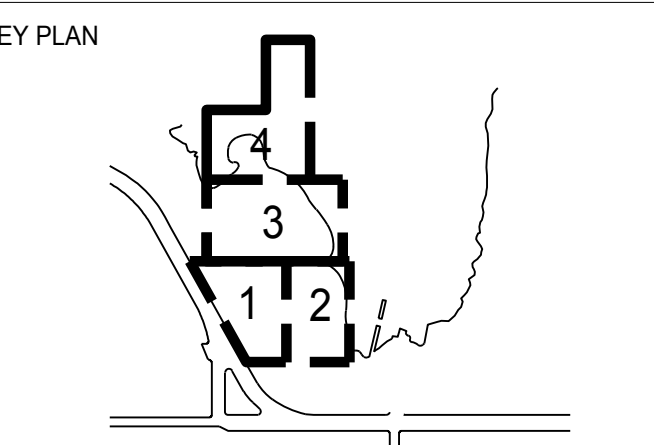
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7/01/2021	1608

## PLANTING LEGEND AND SCHEDULE

# L180B.2



# INDIA BASIN SHORELINE PARK

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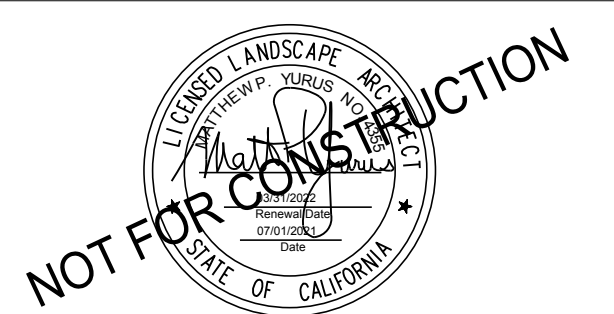
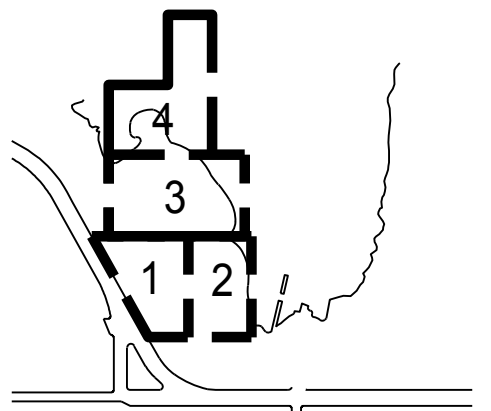
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## PLANTING-OVERALL

# L180C.2

## LANDSCAPE TREES

TREES	CODE	BOTANICAL / COMMON NAME	SIZE	ORIGIN	QTY
	ACE MAC	ACER MACROPHYLLUM / BIG LEAF MAPLE	36"BOX	BAY	7
	AES CAL	AESCULUS CALIFORNICA / CALIFORNIA BUCKEYE STANDARD	24"BOX	BAY	11
	ARB MEN	ARBUTUS MENZIESII / PACIFIC MADRONE	5 GAL	BAY	10
	ARC HUR	ARCTOSTAPHYLOS MANZANITA 'DR. HURD' / DR. HURD MANZANITA	24"BOX	CA	12
	CUP MAC	CUPRESSUS MACROCARPA / MONTEREY CYPRESS STANDARD	48"BOX	CA	7
	PIN RAD	PINUS RADIATA / MONTEREY PINE	36"BOX	BAY	5
	PIN TO2	PINUS TORREYANA / TORREY PINE	36"BOX	CA	7
	PLA RA2	PLATANUS RACEMOSA / CALIFORNIA SYCAMORE STANDARD	48"BOX	BAY	6
	PLA RAC	PLATANUS RACEMOSA / CALIFORNIA SYCAMORE	72"BOX	BAY	4
	QUE AG1	QUERCUS AGRIFOLIA / COAST LIVE OAK	24"BOX	BAY	38
	QUE AG2	QUERCUS AGRIFOLIA / COAST LIVE OAK MULTI-TRUNK	36"BOX	BAY	10
	QUE AG3	QUERCUS AGRIFOLIA / COAST LIVE OAK	48"BOX	BAY	8

## RESTORATION AND GRASSLAND AREAS

SYMBOL	CODE	ZONE NAME	DETAIL	POST-PLANTING TREATMENT	QTY
	R1	MID + HIGH MARSH	1/L185.2	NONE	13,034 SF
	R2	MARSH TRANSITION	2/L185.2	NONE	5,469 SF
	R3	UPLAND BASE	5/L185.2	HYDROSEED PER SPECS	35,881 SF
	R4	UPLAND GRASSLAND	3/L185.2	HYDROSEED PER SPECS	2,739 SF
	R5	BIORETENTION	S.C.D.	ROCK MULCH PER CIVIL	6,668 SF
	R7	SANDY INTERTIDAL	-	HAND SEED PER DETAIL	1,386 SF

### NOTES:

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