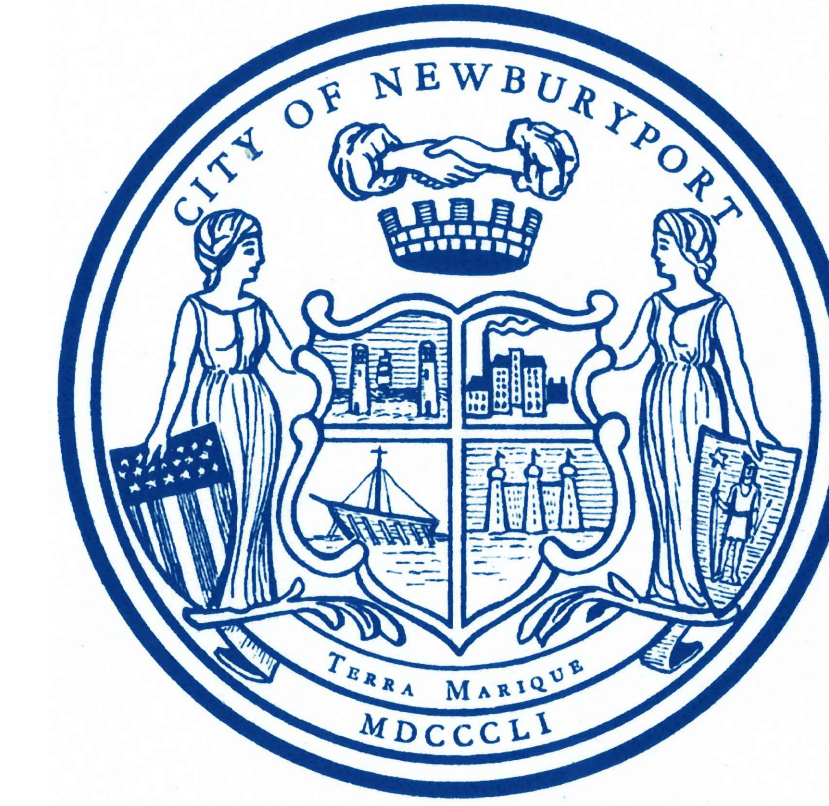


# MARKET LANDING PARK EXPANSION

Market Landing Park, Newburyport, MA



Office of Planning & Development Department, City of Newburyport, 60 Pleasant Street, Newburyport, MA 01950  
Andrew Port, Director of Planning & Development, Project Manager

City of Newburyport, MA  
Sean Reardon, Mayor

CONFORMANCE SET

AUGUST 07, 2023



LANDSCAPE ARCHITECT, CIVIL ENGINEERING

SASAKI ASSOCIATES  
110 CHAUNCY STREET, BOSTON, MA 02111  
T: 617-926-3300

STRUCTURAL ENGINEERING

RSE  
63 PLEASANT STREET, SUITE 300, WATERTOWN, MA 02472  
T: 617-926-9300

IRRIGATION

IRRIGATION CONSULTING  
20 MERRIT PARKWAY, SECOND FLOOR, NASHUA, NH 03062  
T: 978-433-8972

ELECTRICAL

RFS  
24 FEDERAL STREET, 3RD FLOOR, BOSTON, MA 02110  
T: 617-494-1464

SURVEYOR, PERMITTING, LSP

VHB  
99 HIGH STREET, 10TH FLOOR, BOSTON, MA 02110  
T: 617- 607-2972

SASAKI

**SERIES SHEET DRAWING TITLE**

SERIES	SHEET	DRAWING TITLE	Responsible Firm
00	<b>G Series</b>		
	G0-00	COVER SHEET	SASAKI
	G0-01	DRAWING INDEX	SASAKI
01	<b>SV Series</b>		
	SV-00	EXISTING CONDITIONS PLAN - KEYPLAN	VHB
	SV-01	EXISTING CONDITIONS PLAN	VHB
	SV-02	EXISTING CONDITIONS PLAN	VHB
	SV-03	EXISTING CONDITIONS PLAN	VHB
	SV-04	EXISTING CONDITIONS PLAN	VHB
02	<b>C Series</b>		
	<b>Civil</b>		
	C2-00	DEMOLITION PLAN - KEYPLAN	SASAKI
	C2-01	DEMOLITION PLAN	SASAKI
	C2-02	DEMOLITION PLAN	SASAKI
	C2-03	DEMOLITION PLAN	SASAKI
	C2-04	DEMOLITION PLAN	SASAKI
	C3-00	EROSION & SEDIMENT CONTROL PLAN - KEY PLAN	SASAKI
	C3-01	EROSION & SEDIMENT CONTROL PLAN	SASAKI
	C3-02	EROSION & SEDIMENT CONTROL PLAN	SASAKI
	C3-03	EROSION & SEDIMENT CONTROL PLAN	SASAKI
	C3-04	EROSION & SEDIMENT CONTROL PLAN	SASAKI
	C4-00	LAYOUT PLAN - KEYPLAN	SASAKI
	C4-01	LAYOUT PLAN	SASAKI
	C4-02	LAYOUT PLAN	SASAKI
	C4-03	LAYOUT PLAN	SASAKI
	C4-04	LAYOUT PLAN	SASAKI
	C5-00	DRAINAGE PLAN - KEYPLAN	SASAKI
	C5-01	DRAINAGE PLAN	SASAKI
	C5-02	DRAINAGE PLAN	SASAKI
	C5-03	DRAINAGE PLAN	SASAKI
	C5-04	DRAINAGE PLAN	SASAKI
	C6-00	UTILITY PLAN - KEYPLAN	SASAKI
	C6-01	UTILITY PLAN	SASAKI
	C6-02	UTILITY PLAN	SASAKI
	C6-03	UTILITY PLAN	SASAKI
	C6-04	UTILITY PLAN	SASAKI
	C7-01	EROSION & SEDIMENT CONTROL DETAILS	SASAKI
C7-02	DRAINAGE DETAILS	SASAKI	
C7-03	DRAINAGE DETAILS	SASAKI	
C7-04	DRAINAGE DETAILS	SASAKI	
C7-05	UTILITY DETAILS	SASAKI	
C7-06	UTILITY DETAILS	SASAKI	

SERIES	SHEET	DRAWING TITLE	Responsible Firm
03	<b>L Series</b>		
	<b>Landscape</b>		
	L1-00	GRADING PLAN - KEYPLAN	SASAKI
	L1-01	GRADING PLAN	SASAKI
	L1-02	GRADING PLAN	SASAKI
	L1-03	GRADING PLAN	SASAKI
	L1-04	GRADING PLAN	SASAKI
	L2-00	MATERIALS PLAN - KEYPLAN	SASAKI
	L2-01	MATERIALS PLAN	SASAKI
	L2-02	MATERIALS PLAN	SASAKI
	L2-03	MATERIALS PLAN	SASAKI
	L2-04	MATERIALS PLAN	SASAKI
	L3-00	PLANTING PLAN - KEYPLAN	SASAKI
	L3-01	PLANTING PLAN - CANOPY + UNDERSTORY TREES	SASAKI
	L3-02	PLANTING PLAN - CANOPY + UNDERSTORY TREES	SASAKI
	L3-03	PLANTING PLAN - CANOPY + UNDERSTORY TREES	SASAKI
	L3-04	PLANTING PLAN - CANOPY + UNDERSTORY TREES	SASAKI
	L4-00	PLANTING PLAN GROUNDCOVER - KEYPLAN	SASAKI
	L4-01	PLANTING PLAN SHRUBS + GROUNDCOVER PLAN	SASAKI
	L4-02	PLANTING PLAN SHRUBS + GROUNDCOVER PLAN	SASAKI
	L4-03	PLANTING PLAN SHRUBS + GROUNDCOVER PLAN	SASAKI
L4-04	PLANTING PLAN SHRUBS + GROUNDCOVER PLAN	SASAKI	
L4-05	PLANTING SCHEDULE	SASAKI	
L5-00	SITE SECTIONS	SASAKI	
L5-01	SITE SECTIONS	SASAKI	
L6-00	SITE DETAILS-PAVING ASSEMBLES	SASAKI	
L6-01	SITE DETAILS-EDGE CONDITIONS	SASAKI	
L6-02	SITE DETAILS- PAVING DETAILS	SASAKI	
L6-03	SITE DETAILS-STEPS AND RAILINGS	SASAKI	
L6-04	SITE DETAILS-SITE WALLS (SW TYPES)	SASAKI	
L6-05	SITE DETAILS- WALL ELEVATIONS	SASAKI	
L6-06	SITE DETAILS- WALL ELEVATIONS	SASAKI	
L6-07	SITE DETAILS- WALL ELEVATIONS	SASAKI	
L6-08	SITE DETAILS- SWING TRELLIS	SASAKI	
L6-09	SITE DETAILS - SWING TRELLIS	SASAKI	
L6-10	SITE DETAILS-SITE FURNISHINGS (SF TYPES)	SASAKI	
L6-11	SITE DETAILS-SITE FURNISHINGS (SF TYPES)	SASAKI	
L6-12	SITE DETAILS-SITE FURNISHINGS(SF TYPES)	SASAKI	
L6-20	SITE DETAILS-PLANTING (CANOPY & GROUNDCOVER)	SASAKI	

SERIES	SHEET	DRAWING TITLE	Responsible Firm
04	<b>IR Series</b>		
	<b>IRRIGATION PLAN+ KEY PLAN</b>		
	I1-00	IRRIGATION PLAN+ KEY PLAN	IRRIGATION CONSULTANTS
	I1-01	IRRIGATION PLAN	IRRIGATION CONSULTANTS
	I1-02	IRRIGATION PLAN	IRRIGATION CONSULTANTS
	I1-03	IRRIGATION PLAN	IRRIGATION CONSULTANTS
	I1-04	IRRIGATION PLAN	IRRIGATION CONSULTANTS
	I2-00	IRRIGATION DETAILS	IRRIGATION CONSULTANTS
	I2-01	IRRIGATION DETAILS 2	IRRIGATION CONSULTANTS

SERIES	SHEET	DRAWING TITLE	Responsible Firm
05	<b>E Series</b>		
	<b>ELECTRICAL LEGEND</b>		
	E0-00	ELECTRICAL LEGEND	RFS
	E0-01	ELECTRICAL DETAILS	RFS
	E0-02	ELECTRICAL DETAILS	RFS
	E0-03	PARTIAL ELECTRICAL POWER RISER	RFS
	EST1-01	ELECTRICAL SITE PLAN TEMPORARY POWER	RFS
	EST1-02	ELECTRICAL SITE PLAN TEMPORARY POWER	RFS
	ESD1-01	ELECTRICAL SITE DEMOLITION PLAN	RFS
	ESD1-02	ELECTRICAL SITE DEMOLITION PLAN	RFS
	ES1-01	ELECTRICAL SITE PLAN	RFS
	ES1-02	ELECTRICAL SITE PLAN	RFS
	ES1-03	ELECTRICAL SITE PLAN	RFS
	ES1-04	ELECTRICAL SITE PLAN	RFS



**SASAKI**

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P 617 926 9300 F 617 924 2748 W SASAKI.COM

Issue No.	Description	Date
03	Bulletin 1	08.07.23
02	Addendum 4	05.15.23
01	Addendum 2	05.03.23
	Bid Set	02.01.23

**DWG ISSUE & REVISION HISTORY**

Stamp

Project Title:  
**Market Landing Park Expansion**  
City of Newburyport  
Newburyport, Massachusetts

Drawing Title:  
**DRAWING INDEX**

Project No: 08314.00 Scale: NTS  
Drawn By: JV/RC/WL  
Checked By: MB/SE  
Approved By: MD  
Date: 02.01.23

Drawing No:  
**G0-01**



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Survey  
**Vanasse Hangen Brustlin Inc.**  
101 Walnut Street  
Watertown, MA 02472  
TEL. 617.924.1770  
FAX. 617.924.2286  
www.vhb.com

No.	Description	Date
3	PLAN UPDATES	3.29.22
2	ADDITIONAL FIELD SURVEY	2.22.22
1	PLAN UPDATES	5.26.21

#### DWG ISSUE & REVISION HISTORY

Stamp

Key Plan

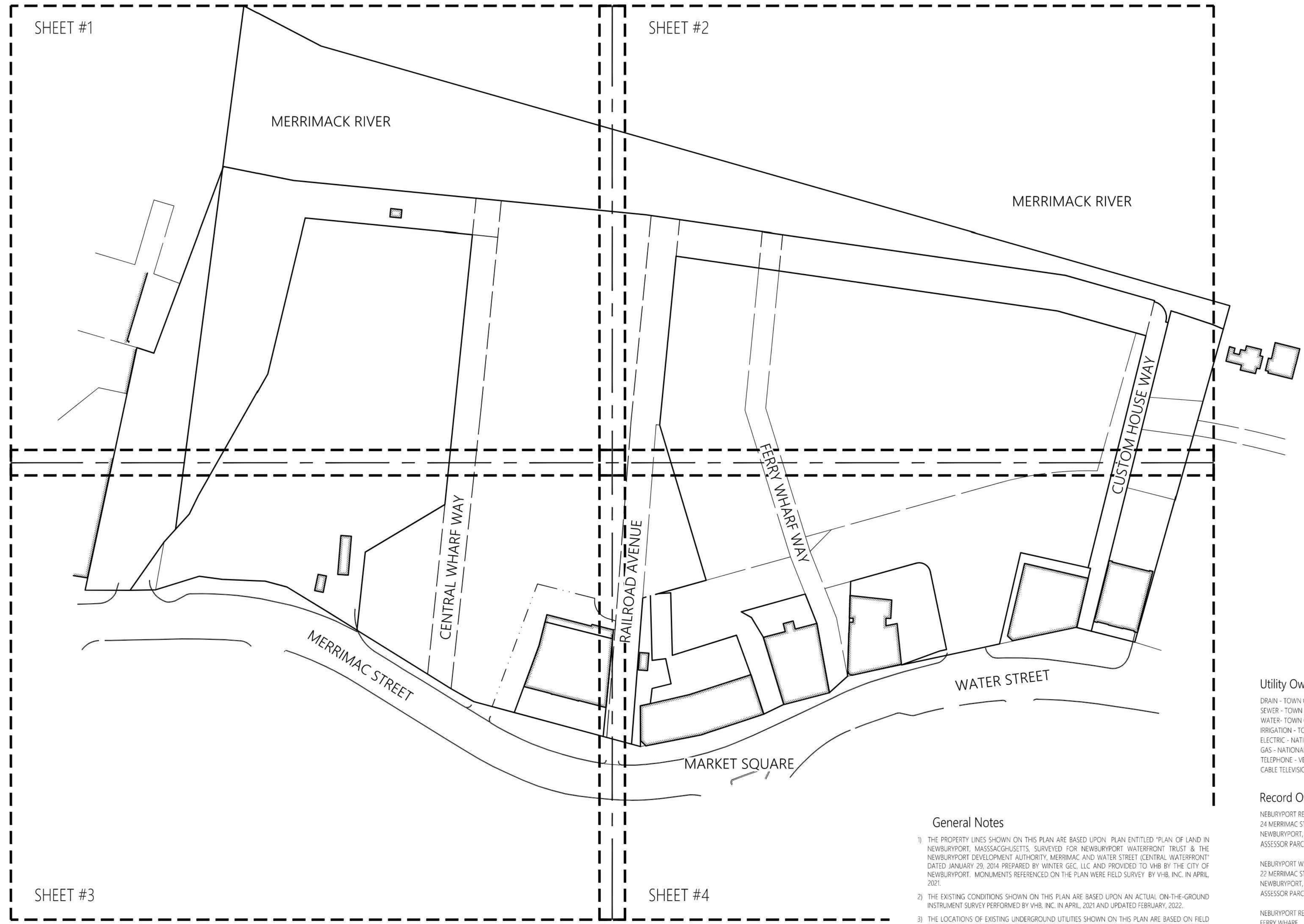
SCALE: 1" = 50'

Project Title:  
**Market Landing Park Expansion**  
City of Newburyport  
Newburyport, Massachusetts

Drawing Title:  
**KEY SHEET**

Project No: 08314.00 Scale: 1" = 50'  
 Drawn By: LG  
 Checked By: CDKR  
 Approved By: RJB  
 Date: APRIL 22, 2021

Drawing No: **SV-KEY**



#### General Notes

- 1) THE PROPERTY LINES SHOWN ON THIS PLAN ARE BASED UPON PLAN ENTITLED "PLAN OF LAND IN NEWBURYPORT, MASSACHUSETTS, SURVEYED FOR NEWBURYPORT WATERFRONT TRUST & THE NEWBURYPORT DEVELOPMENT AUTHORITY, MERRIMAC AND WATER STREET (CENTRAL WATERFRONT)" DATED JANUARY 29, 2014 PREPARED BY WINTER GEC, LLC AND PROVIDED TO VHB BY THE CITY OF NEWBURYPORT. MONUMENTS REFERENCED ON THE PLAN WERE FIELD SURVEY BY VHB, INC. IN APRIL, 2021.
- 2) THE EXISTING CONDITIONS SHOWN ON THIS PLAN ARE BASED UPON AN ACTUAL ON-THE-GROUND INSTRUMENT SURVEY PERFORMED BY VHB, INC. IN APRIL, 2021 AND UPDATED FEBRUARY, 2022.
- 3) THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES SHOWN ON THIS PLAN ARE BASED ON FIELD OBSERVATIONS AND INFORMATION OF RECORD. THEY ARE NOT WARRANTED TO BE EXACTLY LOCATED NOR IS IT WARRANTED THAT ALL UNDERGROUND UTILITIES OR OTHER STRUCTURES ARE SHOWN ON THIS PLAN.
- 4) HORIZONTAL DATUM IS BASED ON MASS. GRID SYSTEM, NAD 1983. ELEVATIONS SHOWN ON THIS PLAN REFER TO NAVD OF 1988.
- 5) THE PARK LIES WITHIN ZONE X (UNSHADED) (AREAS TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN) AND ZONE (A6) (BASE FLOOD ELEVATION DETERMINED) AS SHOWN ON THE FLOOD INSURANCE RATE MAPS FOR ESSEX COUNTY, MASSACHUSETTS, MAP NUMBERS 25009C0128F EFFECTIVE DATE JULY 3, 2012, AND 25009C0136G, EFFECTIVE DATE JULY 16, 2014.
- 6) THE PARK LIES WITHIN AGRICULTURAL/CONSERVATION DISTRICT (A/C) AND WATERFRONT MIXED USE DISTRICT (WMU) WITH A DOWNTOWN OVERLAY DISTRICT (DOD) AS SHOWN ON THE "CITY OF NEWBURYPORT, MA ZONING MAP".
- 7) THE TREE SYMBOL OUTLINE SHOWN ON THIS PLAN DOES NOT REPRESENT THE ACTUAL TREE CANOPY.
- 8) THIS SURVEY WAS PREPARED WITHOUT THE BENEFIT OF A CURRENT TITLE REPORT AND MAY BE SUBJECT TO ADDITIONAL INFORMATION DISCLOSED IN SUCH.

#### Utility Owners

- DRAIN - TOWN OF NEWBURYPORT
- SEWER - TOWN OF NEWBURYPORT
- WATER - TOWN OF NEWBURYPORT
- IRRIGATION - TOWN OF NEWBURYPORT
- ELECTRIC - NATIONAL GRID
- GAS - NATIONAL GRID
- TELEPHONE - VERIZON
- CABLE TELEVISION - COMCAST

#### Record Owners

- NEWBURYPORT REDEVELOPMENT AUTHORITY  
24 MERRIMAC STREET  
NEWBURYPORT, MASS.  
ASSESSOR PARCEL 11-1-A
- NEWBURYPORT WATERFRONT TRUST  
22 MERRIMAC STREET  
NEWBURYPORT, MASS.  
ASSESSOR PARCEL 11-1-B
- NEWBURYPORT REDEVELOPMENT AUTHORITY  
FERRY WHARF  
NEWBURYPORT, MASS.  
ASSESSOR PARCEL 11-1-C
- NEWBURYPORT REDEVELOPMENT AUTHORITY  
FERRY WHARF  
NEWBURYPORT, MASS.  
ASSESSOR PARCEL 11-1-D
- NEWBURYPORT REDEVELOPMENT AUTHORITY  
4-13R MARKET SQUARE  
NEWBURYPORT, MASS.  
ASSESSOR PARCEL 11-1-E
- NEWBURYPORT REDEVELOPMENT AUTHORITY  
1-23 WATER STREET REAR  
NEWBURYPORT, MASS.  
ASSESSOR PARCEL 11-1-F



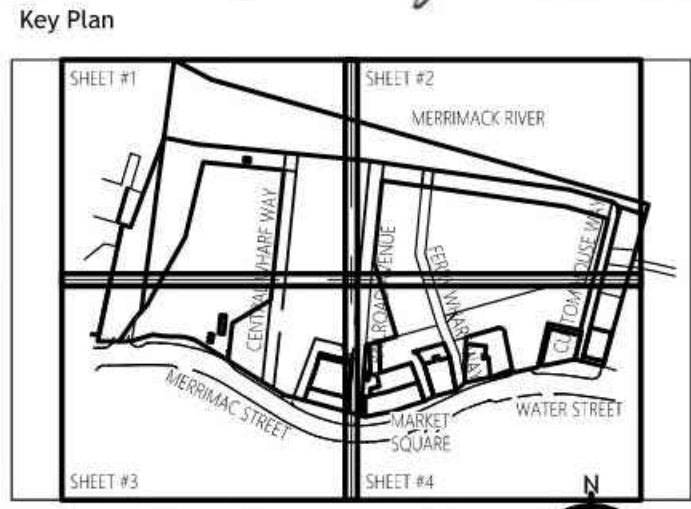
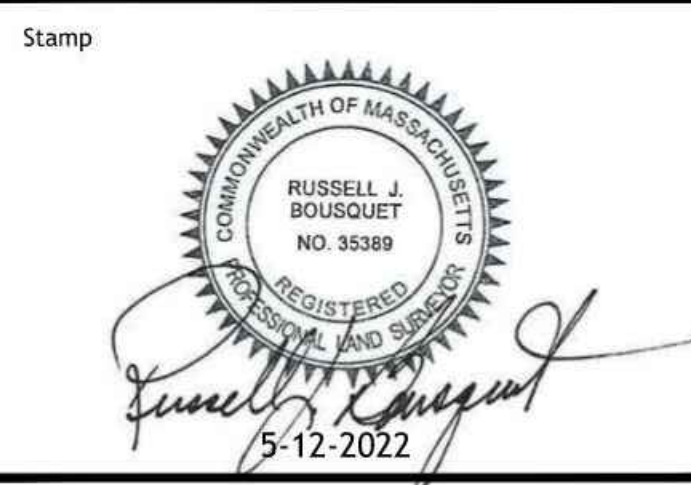
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P 617 926 8800 F 617 924 2748 W SASAKI.COM

Survey  
**Vanasse Hangen Brustlin Inc.**  
101 Walnut Street  
Watertown, MA 02472  
TEL. 617.924.1770  
FAX. 617.924.2286  
www.vhb.com

No.	Description	Date
3	PLAN UPDATES	3.29.22
2	ADDITIONAL FIELD SURVEY	2.22.22
1	PLAN UPDATES	5.26.21

DWG ISSUE & REVISION HISTORY



Project Title:  
**Market Landing Park Expansion**  
City of Newburyport  
Newburyport, Massachusetts

Drawing Title:  
**EXISTING CONDITIONS**  
PLAN OF LAND

Project No: 08314.00 Scale: 1" = 20'  
Drawn By: LG  
Checked By: CDKR  
Approved By: RJB  
Date: APRIL 22, 2021

Drawing No: **SV-1**

### Legend

- ⊕ DRAIN MANHOLE
- ⊕ CATCH BASIN
- ⊕ SEWER MANHOLE
- ⊕ ELECTRIC MANHOLE
- ⊕ TELEPHONE MANHOLE
- ⊕ MANHOLE
- ⊕ HAND HOLE
- ⊕ WATER GATE
- ⊕ FIRE HYDRANT
- ⊕ GAS GATE
- ⊕ BOLLARD w/LIGHT
- ⊕ STREET SIGN
- ⊕ LIGHT POLE
- ⊕ UTILITY POLE
- ⊕ GUY POLE
- ⊕ GUY WIRE
- ⊕ MONITORING WELL
- ⊕ FLOOD LIGHT
- ⊕ WELL
- ⊕ IRRIGATION VALVE
- F.F.E.=45.27 FINISHED FLOOR ELEVATION
- CNO COULD NOT OPEN
- NPV NO PIPES VISIBLE
- DYL DOUBLE YELLOW LINE
- DWL DASHED WHITE LINE
- SYL SINGLE YELLOW LINE
- LSA LANDSCAPED AREA
- EOP EDGE OF PAVEMENT
- CC CONCRETE CURB
- VGC VERTICAL GRANITE CURB
- SGE SLOPED GRANITE EDGE
- BB BITUMINOUS BERM
- BC BITUMINOUS CURB
- GR GUARD RAIL
- CLF CHAIN LINK FENCE
- DL DRAINAGE LINE
- SL SEWER LINE
- OHW OVERHEAD WIRE
- E UNDERGROUND ELECTRIC
- FA UNDERGROUND FIRE ALARM
- T TELEPHONE LINE
- G GAS LINE
- W WATER LINE
- W-IRIG WATER IRRIGATION LINE
- SW STONE WALL
- TL TREE LINE

## MERRIMACK RIVER

SUBMERGED LANDS OF NEWBURYPORT  
REDEVELOPMENT AUTHORITY\*  
(REG. LAND DOC. 132517 & BK 5644/181 & 184)

N/F  
54 REAR MERRIMACK STREET NOMINEE TRUST  
BOOK 23920 PAGE 345  
ASSESSORS MAP 48 PARCEL 234A  
54R MERRIMACK STREET

N/F  
38 REAR MERRIMACK STREET NOMINEE TRUST  
BOOK 23919 PAGE 369  
ASSESSORS MAP 48 PARCEL 24  
"BROWN'S WHARF"  
38R MERRIMACK STREET

N/F  
BROWN'S WHARF, LLC  
BOOK 29605 PAGE 394  
ASSESSORS MAP 48 PARCEL 25  
40R MERRIMACK STREET

N/F  
MERRIMACK STREET ALE HOUSE, LLC  
BOOK 31638 PAGE 348  
ASSESSORS MAP 48 PARCEL 46  
38-40 MERRIMACK STREET

WEST LOT  
AREA = 71,981 SQ. FT.  
(1.652 ACRES)

MARKET LANDING PARK  
NEWBURYPORT WATERFRONT TRUST  
PARCEL 3-B-1 AS SHOWN ON  
PLAN BOOK 239 PLAN 62  
AREA = 157,003 SQ. FT.  
(3.604 ACRES)

MATCH LINE - SEE SHEET - 01  
MATCH LINE - SEE SHEET - 02

MATCH LINE - SEE SHEET - 01  
MATCH LINE - SEE SHEET - 02

5/12/22 2:28:15 PM W:\vb.com\gib\proj\Boston\Market Landing Park Expansion\plan\set\15252\_00-EXIST.dwg





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No.	Description	Date
3	PLAN UPDATES	3.29.22
2	ADDITIONAL FIELD SURVEY	2.22.22
1	PLAN UPDATES	5.26.21

#### DWG ISSUE & REVISION HISTORY

Stamp

Key Plan

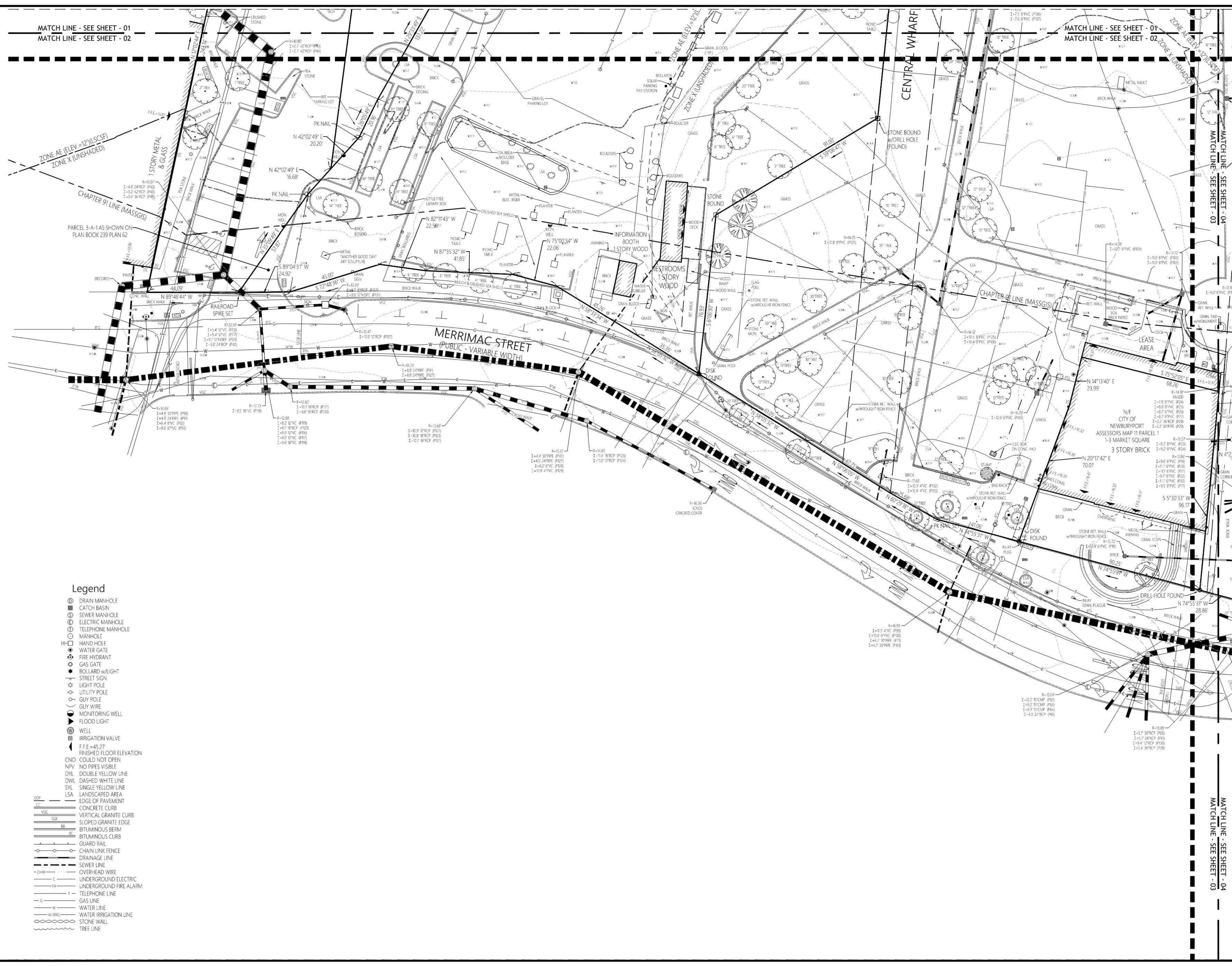
SCALE: 1" = 20'

Project Title:  
**Market Landing Park Expansion**  
City of Newburyport  
Newburyport, Massachusetts

Drawing Title:  
**EXISTING CONDITIONS  
PLAN OF LAND**

Project No: 08314.00      Scale: 1" = 20'  
Drawn By: LG  
Checked By: CDKR  
Approved By: RJB  
Date: APRIL 22, 2021

Drawing No: **SV-3**



MATCH LINE - SEE SHEET - 01  
MATCH LINE - SEE SHEET - 02

MATCH LINE - SEE SHEET - 01  
MATCH LINE - SEE SHEET - 02

MATCH LINE - SEE SHEET - 03  
MATCH LINE - SEE SHEET - 04

MATCH LINE - SEE SHEET - 04  
MATCH LINE - SEE SHEET - 03

#### Legend

- ⊕ DRAIN MANHOLE
- ⊕ CATCH BASIN
- ⊕ SEWER MANHOLE
- ⊕ ELECTRIC MANHOLE
- ⊕ TELEPHONE MANHOLE
- ⊕ MANHOLE
- ⊕ HAND HOLE
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- ⊕ GUY POLE
- ⊕ GUY WIRE
- ⊕ MONITORING WELL
- ⊕ FLOOD LIGHT
- ⊕ WELL
- ⊕ IRRIGATION VALVE
- ⊕ F.F.E. = 45.27
- ⊕ FINISHED FLOOR ELEVATION
- CNO COULD NOT OPEN
- NPV NO PIPES VISIBLE
- DYL DOUBLE YELLOW LINE
- DWL DASHED WHITE LINE
- SYL SINGLE YELLOW LINE
- LSA LANDSCAPED AREA
- LSA EDGE OF PAVEMENT
- CC CONCRETE CURB
- VG VERTICAL GRANITE CURB
- SG SLOPED GRANITE EDGE
- BB BITUMINOUS BERM
- BC BITUMINOUS CURB
- GR GUARD RAIL
- CL CHAIN LINK FENCE
- DL DRAINAGE LINE
- SL SEWER LINE
- OW OVERHEAD WIRE
- UE UNDERGROUND ELECTRIC
- UF UNDERGROUND FIRE ALARM
- T TELEPHONE LINE
- G GAS LINE
- W WATER LINE
- WI WATER IRRIGATION LINE
- SW STONE WALL
- TL TREE LINE



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44 PLEASANT STREET WATERTOWN MA 02472 USA  
P 617 926 9800 F 617 924 2748 W SASAKI.COM

Survey  
**Vanasse Hangen Brustlin Inc.**  
101 Walnut Street  
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No.	Description	Date
3	PLAN UPDATES	3.29.22
2	ADDITIONAL FIELD SURVEY	2.22.22
1	PLAN UPDATES	5.26.21

#### DWG ISSUE & REVISION HISTORY

Stamp

Key Plan

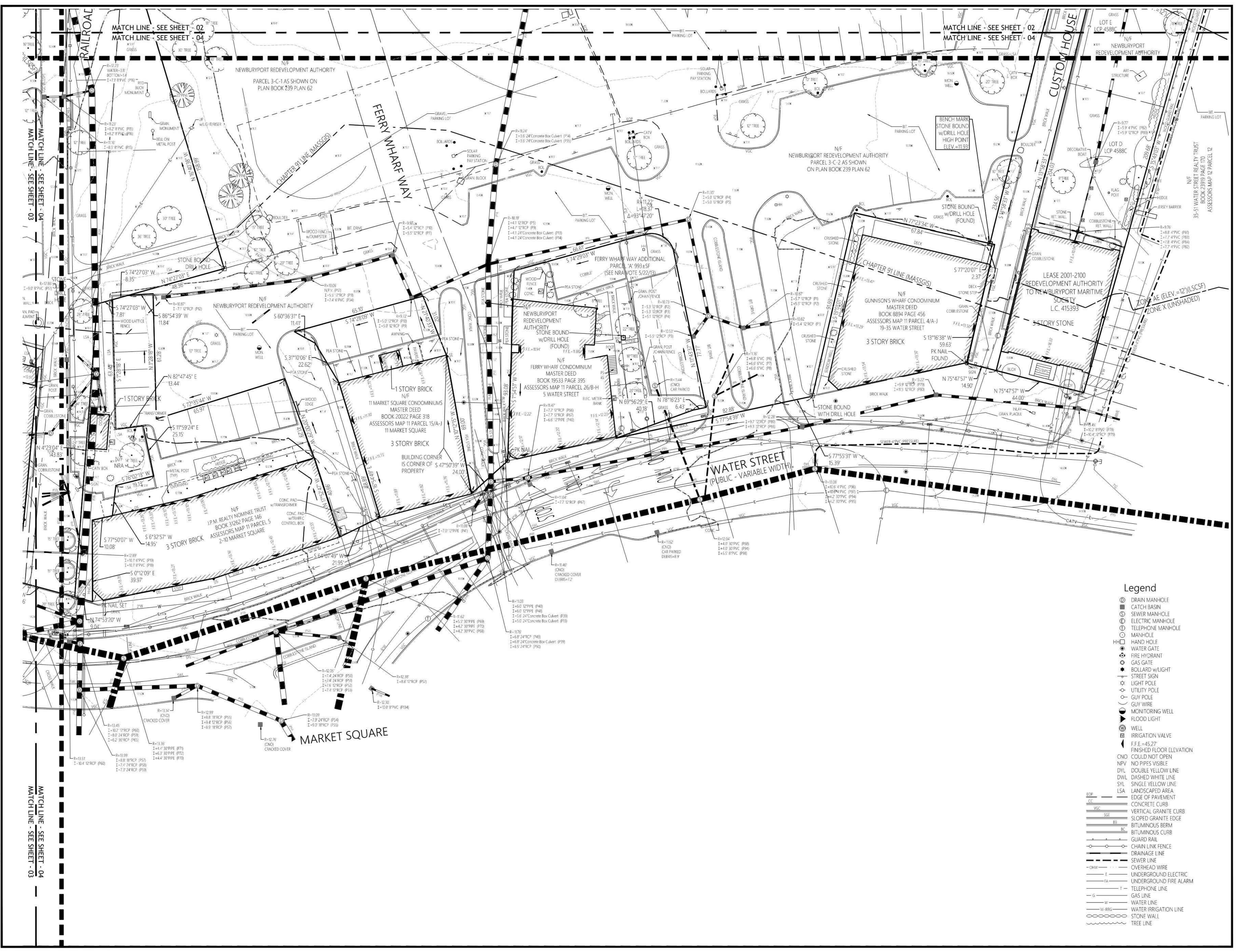
SCALE: 1" = 20'

Project Title:  
**Market Landing Park Expansion**  
City of Newburyport  
Newburyport, Massachusetts

Drawing Title:  
**EXISTING CONDITIONS  
PLAN OF LAND**

Project No: 08314.00 Scale: 1" = 20'  
Drawn By: LG  
Checked By: CDKR  
Approved By: RJB  
Date: APRIL 22, 2021

Drawing No: **SV-4**



5/12/22 2:30:02 PM \\vhb.com\gbl\proj\Boston\Market Landing Park Expansion\plans\15252.00-EXIST.dwg



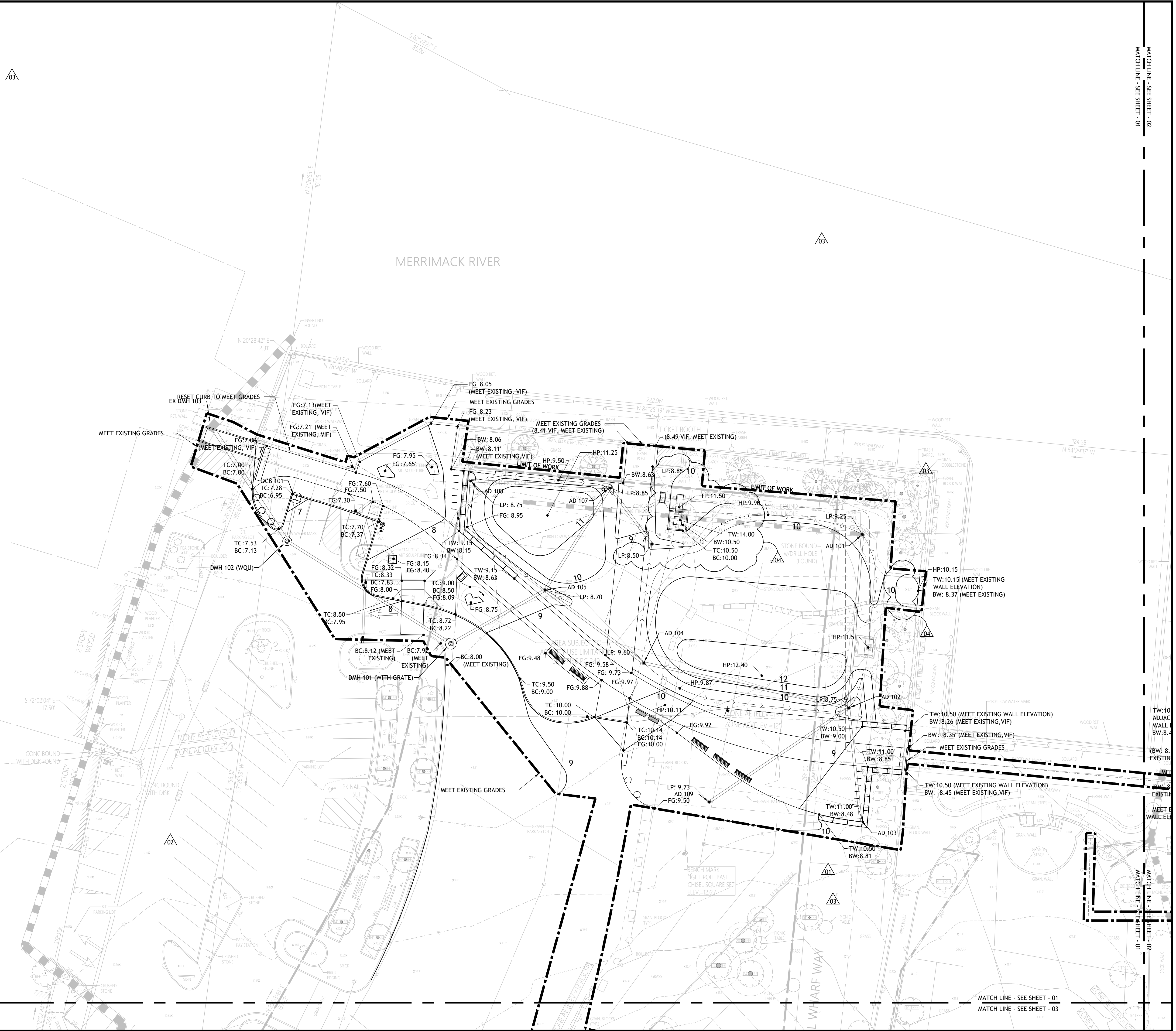


**LEGEND**

BASE BID LIMIT OF WORK

SYMBOLS	DESCRIPTION
TC	TOP OF CURB
BC	BOTTOM OF CURB
TW	TOP OF WALL
BW	BOTTOM OF WALL
TS	TOP OF STAIR
BS	BOTTOM OF STAIR
TR	TOP OF RAMP
BR	BOTTOM OF RAMP
FG	FINISHED GRADE
HP	HIGH POINT
LP	LOW POINT
10.00	SPOT ELEVATION
TS	TOP AND BOTTOM OF STAIR
BS	BOTTOM OF STAIR
TW	TOP AND BOTTOM OF WALL
BW	BOTTOM OF WALL
TR	TOP AND BOTTOM OF RAMP
BR	BOTTOM OF RAMP
TP	TOP AND BOTTOM OF PLATFORM
BP	BOTTOM OF PLATFORM
(Arrow symbol)	SWALE
(5/1 symbol)	CONTOUR MAJOR
(1/1 symbol)	CONTOUR MINOR
(Circle with X symbol)	EXISTING TREE TO REMAIN
(Circle with X symbol)	CRITICAL ROOT ZONE

MERRIMACK RIVER



MATCH LINE - SEE SHEET - 02  
MATCH LINE - SEE SHEET - 01

MATCH LINE - SEE SHEET - 02  
MATCH LINE - SEE SHEET - 01

MATCH LINE - SEE SHEET - 01  
MATCH LINE - SEE SHEET - 03



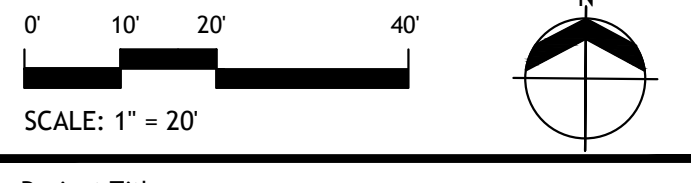
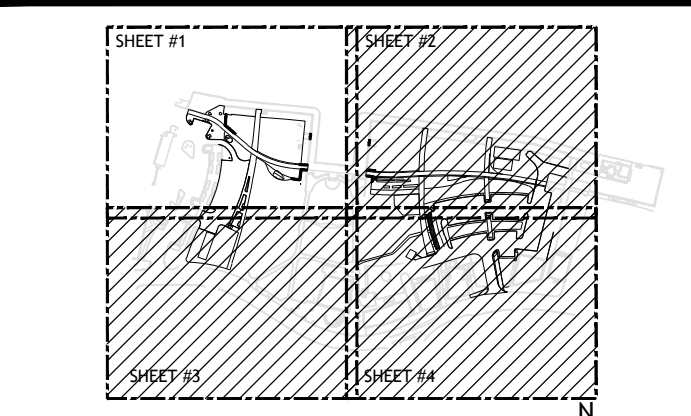
**SASAKI**

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P 617 926 9300 F 617 924 2748 W SASAKI.COM

NO.	DESCRIPTION	DATE
04	Bulletin 2	09.07.23
03	Bulletin 1	08.07.23
02	Addendum 4	05.15.23
01	Addendum 2	05.03.23
	Bid Set	02.01.23

**DWG ISSUE & REVISION HISTORY**

Stamp



Project Title:

**Market Landing Park Expansion**  
City of Newburyport  
Newburyport, Massachusetts

Drawing Title:  
**GRADING PLAN**

Project No: 08314.00 Scale: 1" = 20'  
Drawn By: RC  
Checked By: MB  
Approved By: MD  
Date: 02.01.2023

Drawing No: **L1-01**

9/7/23 7:13:48 PM G:\08314\00\1.0\Working\3\_9\_CADD\SheetFiles\L1-00 GRADING PLAN.dwg



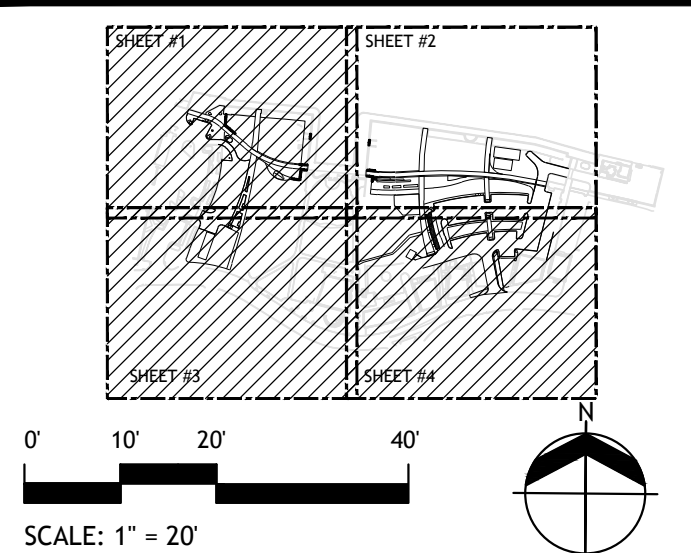
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04	Bulletin 2	09.07.23
03	Bulletin 1	08.07.23
02	Addendum 4	05.15.23
01	Addendum 2	05.03.23
	Bid Set	02.01.23

### DWG ISSUE & REVISION HISTORY

Stamp



Project Title:

## Market Landing Park Expansion City of Newburyport Newburyport, Massachusetts

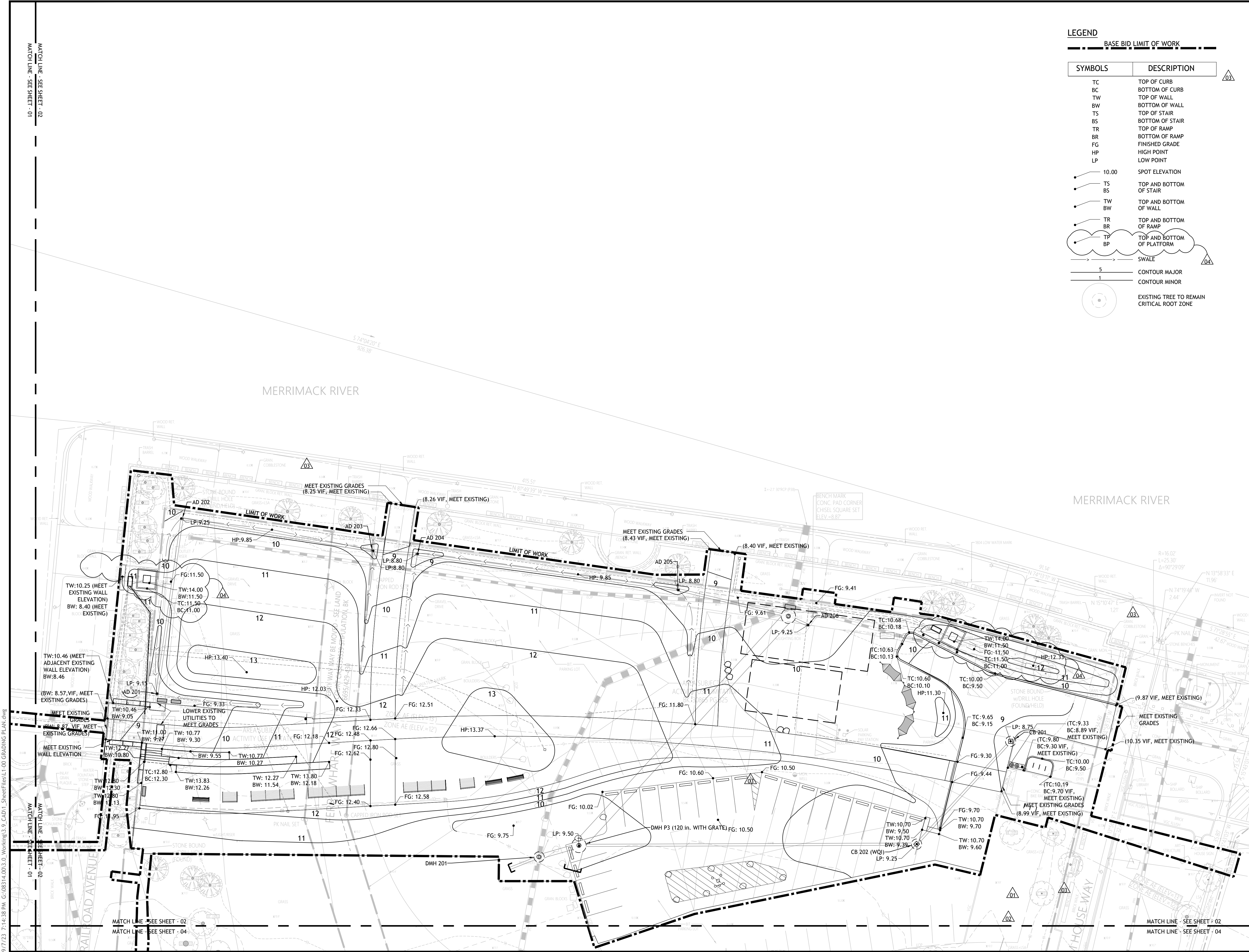
### Drawing Title: GRADING PLAN

Project No: 08314.00      Scale: 1" = 20'  
 Drawn By: RC  
 Checked By: MB  
 Approved By: MD  
 Date: 02.01.2023

Drawing No: **L1-02**

### LEGEND

SYMBOLS	DESCRIPTION
TC	TOP OF CURB
BC	BOTTOM OF CURB
TW	TOP OF WALL
BW	BOTTOM OF WALL
TS	TOP OF STAIR
BS	BOTTOM OF STAIR
TR	TOP OF RAMP
BR	BOTTOM OF RAMP
FG	FINISHED GRADE
HP	HIGH POINT
LP	LOW POINT
10.00	SPOT ELEVATION
TS BS	TOP AND BOTTOM OF STAIR
TW BW	TOP AND BOTTOM OF WALL
TR BR	TOP AND BOTTOM OF RAMP
TP BP	TOP AND BOTTOM OF PLATFORM
(Symbol)	SWALE
5	CONTOUR MAJOR
1	CONTOUR MINOR
(Symbol)	EXISTING TREE TO REMAIN CRITICAL ROOT ZONE



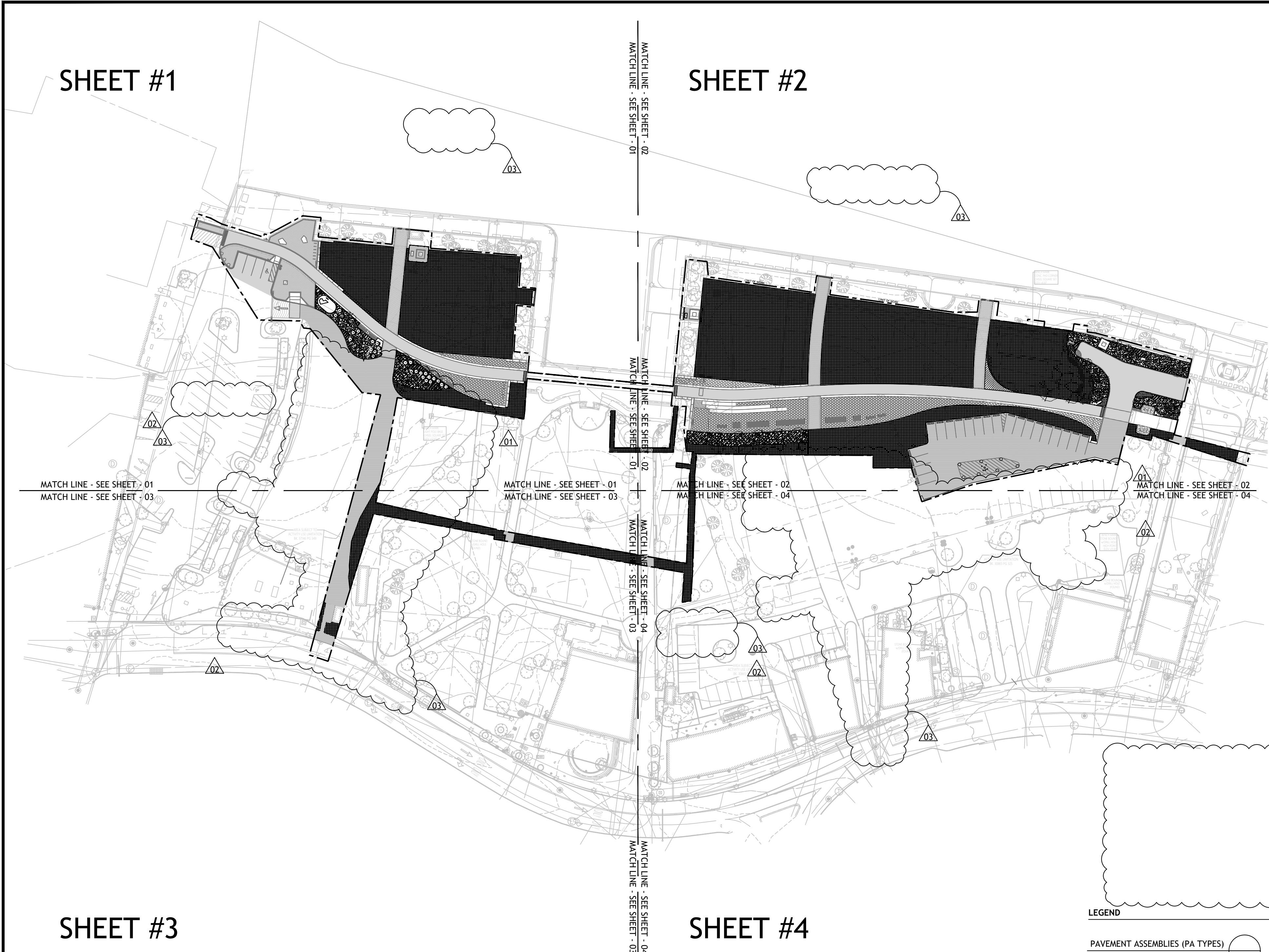
MATCH LINE - SEE SHEET - 02  
 MATCH LINE - SEE SHEET - 01  
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SHEET #1

SHEET #2

SHEET #3

SHEET #4

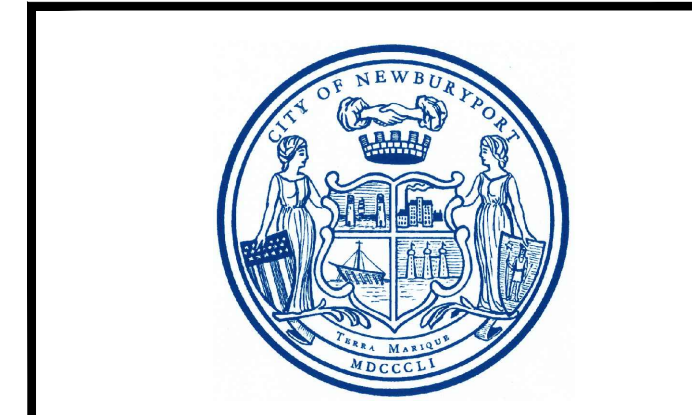


SITE MATERIALS NOTES:

1. SITE MATERIALS TYPES AND SITE MATERIAL ASSEMBLIES ARE NOTED IN THE LEGEND AND CALLED OUT ON PLANS, INCLUDING BUT NOT LIMITED TO SITE PAVEMENTS, SITE RAILINGS, EDGING CONDITIONS, AND SITE FURNISHINGS. REFER TO L1-00 SERIES FOR MATERIAL TYPES AND MATERIAL ASSEMBLIES DETAIL CONDITIONS.
2. LANDSCAPE MATERIALS AND LAYOUT TO BE COORDINATED WITH CIVIL DRAWINGS, INCLUDING BUT NOT LIMITED TO LOCATIONS OF DRAINAGE STRUCTURES AND UTILITY COVERS.
3. SURFACES OVER UTILITY WORKS TO BE RESTORED TO THE ORIGINAL CONDITIONS UNLESS OTHERWISE NOTED.
4. EXISTING MATERIALS ON SITE INCLUDING BUT NOT LIMITED TO RECLAIMED GRANITE BOULDERS, EXISTING PAVEMENT, GRANITE MARKERS, AND SIGNAGE TO REMAIN SHALL BE PROTECTED DURING CONSTRUCTION.

LEGEND

<p><b>PAVEMENT ASSEMBLIES (PA TYPES)</b></p> <ul style="list-style-type: none"> <li>PA-00 BITUMINOUS CONCRETE PAVEMENT (VEHICULAR)</li> <li>PA-01 BITUMINOUS CONCRETE PAVEMENT OVER GRAVEL</li> <li>PA-10 CAST IN PLACE CONCRETE PAVEMENT</li> <li>PA-20 BRICK UNIT PAVEMENT (VEHICULAR)</li> <li>PA-21 BRICK UNIT PAVEMENT (PEDESTRIAN)</li> <li>PA-30 GRANITE PAVEMENT AT CROSSING</li> <li>PA-31 GRANITE DETECTABLE WARNING PAVEMENT</li> <li>PA-40 CONCRETE UNIT PAVER (VEHICULAR)</li> <li>PA-41 CONCRETE UNIT PAVER (PEDESTRIAN)</li> <li>PA-50 GRAVEL PAVING</li> <li>PA-60 UTILITY/ACCESS COVER</li> <li>JT-00 JOINT CONDITION BETWEEN BITUMINOUS PAVING AND UNIT PAVERS</li> <li>JT-01 JOINT CONDITION BETWEEN VEHICULAR PEDESTRIAN PAVING</li> <li>JT-02 JOINT CONDITION CONCRETE UNIT PAVER &amp; BRICK UNIT PAVER</li> </ul>	<p><b>EDGE CONDITIONS (EC TYPES)</b></p> <ul style="list-style-type: none"> <li>EC-00 GRANITE CURB (VEHICULAR)</li> <li>EC-01 FLUSH GRANITE BAND</li> <li>EC-02 GRANITE PLANTER EDGING - SMALL</li> <li>EC-03 MOUNTABLE CURB (VEHICULAR)</li> <li>EC-04 STEEL EDGE</li> <li>EC-10 CURB RAMP A</li> <li>EC-11 CURB RAMP B</li> <li>EC-12 CURB RAMP C</li> <li>EC-13 DETECTABLE WARNING PLATE</li> </ul> <p><b>PAVEMENT PATTERNS</b></p> <ul style="list-style-type: none"> <li>PP-00 PAVING BAND AT WAYS EDGE</li> <li>PP-01 EDGE AND TRANSITION BAND A</li> <li>PP-02 EDGE AND TRANSITION BAND B</li> <li>PP-03 PAVING BAND AT SHARED USE PATH</li> </ul> <p><b>SITE STAIRS AND HANDRAILS (SS / RH TYPES)</b></p> <ul style="list-style-type: none"> <li>HR-00 SS HAND RAIL</li> <li>SS-00 SITE STEPS</li> </ul>	<p><b>SITE FURNISHINGS (SF TYPES)</b></p> <ul style="list-style-type: none"> <li>SF-00 TRELLIS W/ SWING BENCH</li> <li>SF-01 TRELLIS W/ SWING LOUNGE</li> <li>SF-10 BICYCLE RACKS</li> <li>SF-20 WASTE AND RECYCLING RECEPTACLES</li> <li>SF-30 PRECAST CONCRETE WHEEL STOP</li> <li>SF-40 BENCH</li> <li>SF-41 PICNIC TABLE AND BENCHES</li> <li>SF-42 HAMMOCK POST</li> <li>SF-50 PARKING METER</li> <li>SF-60 PARK INTERPRETIVE SIGNAGE</li> <li>SF-61 BIKE AND TRAFFIC SIGNAGE</li> <li>SF-70 TYPICAL SCULPTURE FOOTING</li> <li>SF-80 BOLLARD FOOTING</li> <li>SF-81 WAY MARKER</li> <li>SF-90 WOOD SCREEN TRELLIS</li> </ul>	<p><b>SITE WALL (SW TYPES)</b></p> <ul style="list-style-type: none"> <li>SW-00 SEAT WALL - TIERED</li> <li>SW-10 RECLAIMED GRANITE BLOCK WALL</li> <li>SW-11 RECLAIMED GRANITE BOULDER ON LAWN</li> <li>SW-12 RECLAIMED GRANITE BOULDER ON PAVING</li> <li>SW-13 PLAQUE ON RECLAIMED GRANITE BOULDER</li> </ul> <p><b>LIGHT POLES</b></p> <ul style="list-style-type: none"> <li>LIGHT POLE, PEDESTRIAN</li> <li>LIGHT POLE, VEHICULAR</li> </ul> <p><b>PLANTING AREA</b></p> <ul style="list-style-type: none"> <li>PL-AR PLANTING AREAS REFER TO PLANTING PLANS</li> </ul> <p><b>BASE BID LIMIT OF WORK</b></p>
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03	Bulletin 1	08.07.23
02	Addendum 4	05.15.23
01	Addendum 2	05.03.23
	Bid Set	02.01.23

DWG ISSUE & REVISION HISTORY

Stamp



Project Title:

**Market Landing Park Expansion**  
 City of Newburyport  
 Newburyport, Massachusetts

Drawing Title:

**MATERIALS PLAN - KEY PLAN**

Project No: 08314.00 Scale: 1" = 60'  
 Drawn By: RC, WL, XD  
 Checked By: MB  
 Approved By: MD  
 Date: 02.01.2023

Drawing No: **L2-00**

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LEGEND

PAVEMENT ASSEMBLIES (PA TYPES) L6-00

- PA-00 BITUMINOUS CONCRETE PAVEMENT (VEHICULAR)
- PA-01 BITUMINOUS CONCRETE PAVEMENT OVER GRAVEL
- PA-10 CAST IN PLACE CONCRETE PAVEMENT
- PA-20 BRICK UNIT PAVEMENT (VEHICULAR)
- PA-21 BRICK UNIT PAVEMENT (PEDESTRIAN)
- PA-30 GRANITE PAVEMENT AT CROSSING
- PA-31 GRANITE DETECTABLE WARNING PAVEMENT
- PA-40 CONCRETE UNIT PAVER (VEHICULAR)
- PA-41 CONCRETE UNIT PAVER (PEDESTRIAN)
- PA-50 GRAVEL PAVING
- PA-60 UTILITY/ACCESS COVER
- JT-00 JOINT CONDITION BETWEEN BITUMINOUS PAVING AND UNIT PAVERS
- JT-01 JOINT CONDITION BETWEEN VEHICULAR PEDESTRIAN PAVING
- JT-02 JOINT CONDITION CONCRETE UNIT PAVER & BRICK UNIT PAVER

EDGE CONDITIONS (EC TYPES) L6-01

- EC-00 GRANITE CURB (VEHICULAR)
- EC-01 FLUSH GRANITE BAND
- EC-02 GRANITE PLANTER EDGING - SMALL
- EC-03 MOUNTABLE CURB (VEHICULAR)
- EC-04 STEEL EDGE
- EC-10 CURB RAMP A
- EC-11 CURB RAMP B
- EC-12 CURB RAMP C
- EC-13 DETECTABLE WARNING PLATE

PAVEMENT PATTERNS L6-02

- PP-00 PAVING BAND AT WAYS EDGE
- PP-01 EDGE AND TRANSITION BAND A
- PP-02 EDGE AND TRANSITION BAND B
- PP-03 PAVING BAND AT SHARED USE PATH

SITE STAIRS AND HANDRAILS (SS / RH TYPES) L6-03

- HR-00 SS HAND RAIL
- SS-00 SITE STEPS

SITE FURNISHINGS (SF TYPES) L6-09 L6-10 L6-11 L6-12

- SF-00 TRELIS W/ SWING BENCH
- SF-01 TRELIS W/ SWING LOUNGE
- SF-10 BICYCLE RACKS
- SF-20 WASTE AND RECYCLING RECEPTACLES
- SF-30 PRECAST CONCRETE WHEEL STOP
- SF-40 BENCH
- SF-41 PICNIC TABLE AND BENCHES
- SF-42 HAMMOCK POST
- SF-50 PARKING METER
- SF-60 PARK INTERPRETIVE SIGNAGE
- SF-61 BIKE AND TRAFFIC SIGNAGE
- SF-70 TYPICAL SCULPTURE FOOTING
- SF-80 BOLLARD FOOTING
- SF-81 WAY MARKER
- SF-90 WOOD SCREEN TRELIS

SITE WALL (SW TYPES) L6-04

- SW-00 SEAT WALL - TIERED
- SW-10 RECLAIMED GRANITE BLOCK WALL
- SW-11 RECLAIMED GRANITE BOULDER ON LAWN
- SW-12 RECLAIMED GRANITE BOULDER ON PAVING
- SW-13 PLAQUE ON RECLAIMED GRANITE BOULDER

LIGHT POLES E SERIES

- LIGHT POLE, PEDESTRIAN
- LIGHT POLE, VEHICULAR

PLANTING AREA L6-20 L6-21

- PL-AR PLANTING AREAS REFER TO PLANTING PLANS

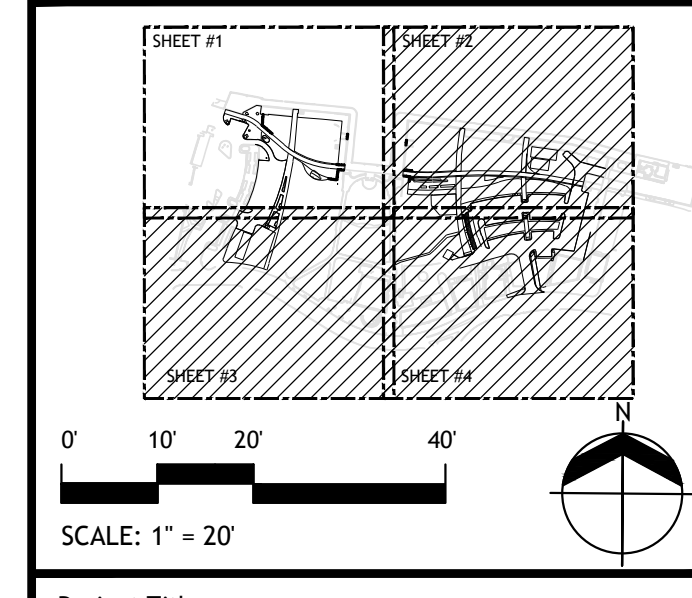
BASE BID LIMIT OF WORK



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DWG ISSUE & REVISION HISTORY		
04	Bulletin 2	09.07.23
03	Bulletin 1	08.07.23
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	Bid Set	02.01.23

Stamp

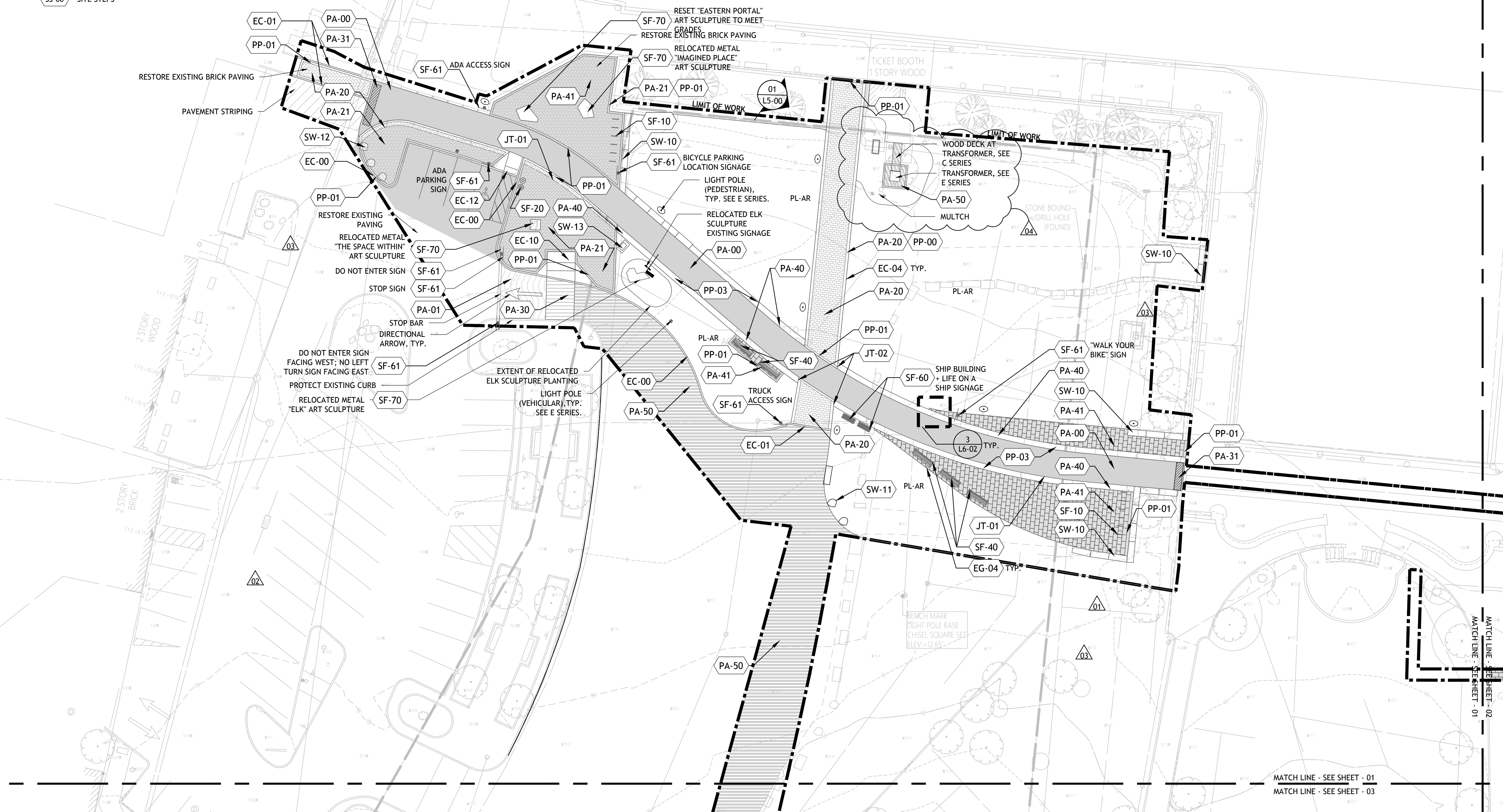


Project Title:  
**Market Landing Park Expansion**  
City of Newburyport  
Newburyport, Massachusetts

Drawing Title:  
**MATERIALS PLAN**

Project No: 08314.00 Scale: 1" = 20'  
Drawn By: RC, WL, XD  
Checked By: MB  
Approved By: MD  
Date: 02.01.2023

Drawing No: **L2-01**



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MATCH LINE - SEE SHEET - 03

MATCH LINE - SEE SHEET - 01  
MATCH LINE - SEE SHEET - 03



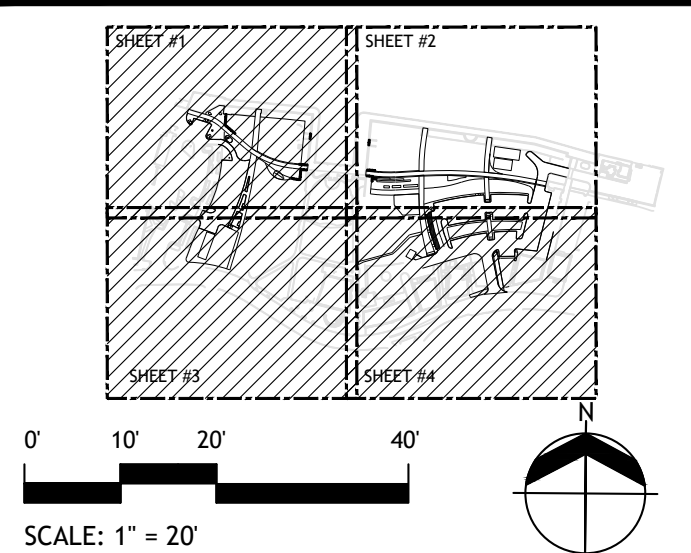
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NO.	DESCRIPTION	DATE
05	Bulletin 3	09.27.23
04	Bulletin 2	09.07.23
03	Bulletin 1	08.07.23
02	Addendum 4	05.15.23
01	Addendum 2	05.03.23
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DWG ISSUE & REVISION HISTORY

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Project Title:

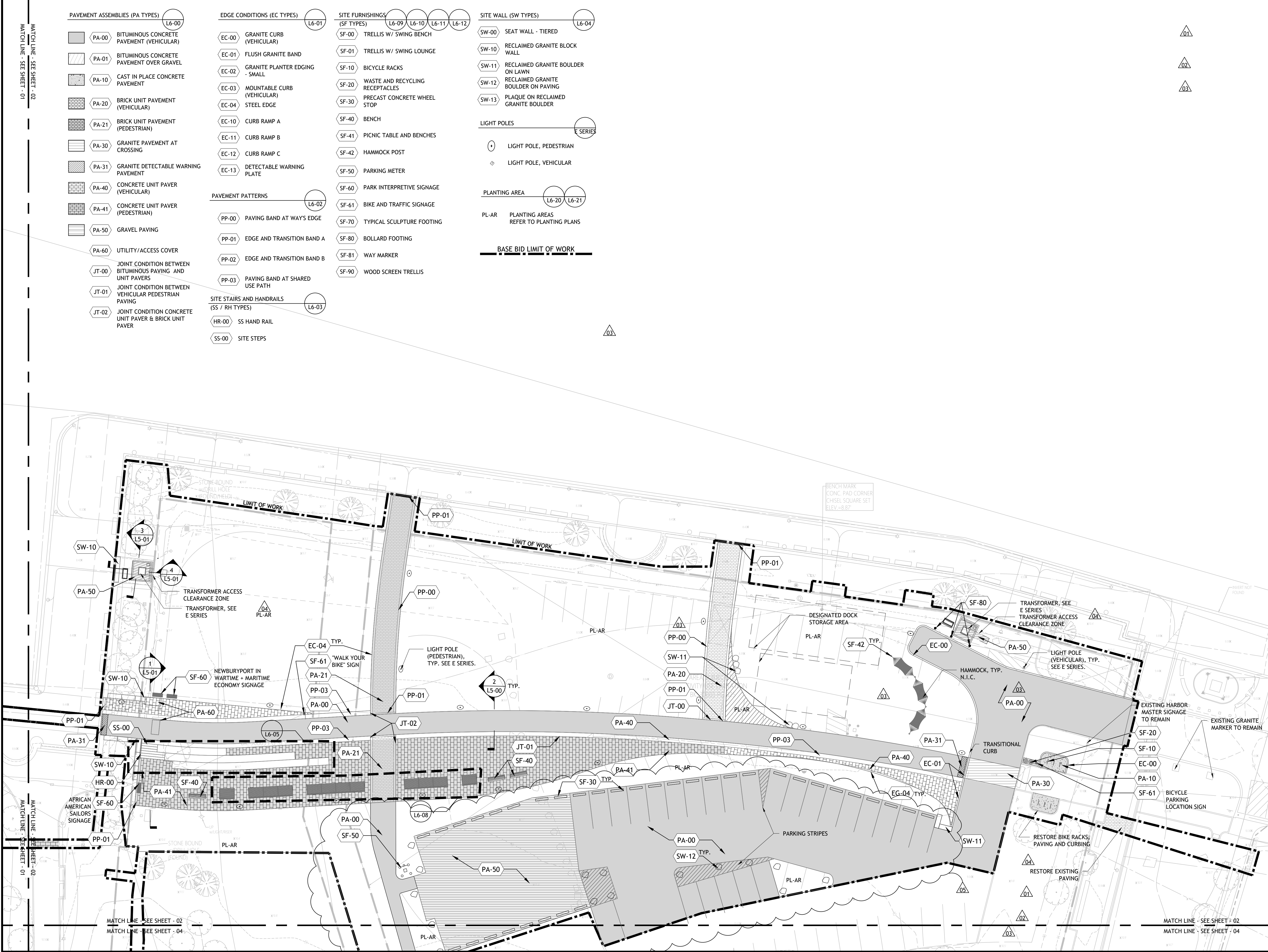
**Market Landing Park Expansion**  
City of Newburyport  
Newburyport, Massachusetts

Drawing Title:  
**MATERIALS PLAN**

Project No: 08314.00 Scale: 1" = 20'  
Drawn By: RC, WL, XD  
Checked By: MB  
Approved By: MD  
Date: 02.01.2023

Drawing No: **L2-02**

- LEGEND**
- PAVEMENT ASSEMBLIES (PA TYPES) L6-00**
    - PA-00 BITUMINOUS CONCRETE PAVEMENT (VEHICULAR)
    - PA-01 BITUMINOUS CONCRETE PAVEMENT OVER GRAVEL
    - PA-10 CAST IN PLACE CONCRETE PAVEMENT
    - PA-20 BRICK UNIT PAVEMENT (VEHICULAR)
    - PA-21 BRICK UNIT PAVEMENT (PEDESTRIAN)
    - PA-30 GRANITE PAVEMENT AT CROSSING
    - PA-31 GRANITE DETECTABLE WARNING PAVEMENT
    - PA-40 CONCRETE UNIT PAVER (VEHICULAR)
    - PA-41 CONCRETE UNIT PAVER (PEDESTRIAN)
    - PA-50 GRAVEL PAVING
    - PA-60 UTILITY/ACCESS COVER
  - EDGE CONDITIONS (EC TYPES) L6-01**
    - EC-00 GRANITE CURB (VEHICULAR)
    - EC-01 FLUSH GRANITE BAND
    - EC-02 GRANITE PLANTER EDGING - SMALL
    - EC-03 MOUNTABLE CURB (VEHICULAR)
    - EC-04 STEEL EDGE
    - EC-10 CURB RAMP A
    - EC-11 CURB RAMP B
    - EC-12 CURB RAMP C
    - EC-13 DETECTABLE WARNING PLATE
  - PAVEMENT PATTERNS L6-02**
    - PP-00 PAVING BAND AT WAYS EDGE
    - PP-01 EDGE AND TRANSITION BAND A
    - PP-02 EDGE AND TRANSITION BAND B
    - PP-03 PAVING BAND AT SHARED USE PATH
  - SITE STAIRS AND HANDRAILS (SS / RH TYPES) L6-03**
    - HR-00 SS HAND RAIL
    - SS-00 SITE STEPS
  - SITE FURNISHINGS (SF TYPES) L6-09 L6-10 L6-11 L6-12**
    - SF-00 TRELLIS W/ SWING BENCH
    - SF-01 TRELLIS W/ SWING LOUNGE
    - SF-10 BICYCLE RACKS
    - SF-20 WASTE AND RECYCLING RECEPTACLES
    - SF-30 PRECAST CONCRETE WHEEL STOP
    - SF-40 BENCH
    - SF-41 PICNIC TABLE AND BENCHES
    - SF-42 HAMMOCK POST
    - SF-50 PARKING METER
    - SF-60 PARK INTERPRETIVE SIGNAGE
    - SF-61 BIKE AND TRAFFIC SIGNAGE
    - SF-70 TYPICAL SCULPTURE FOOTING
    - SF-80 BOLLARD FOOTING
    - SF-81 WAY MARKER
    - SF-90 WOOD SCREEN TRELLIS
  - SITE WALL (SW TYPES) L6-04**
    - SW-00 SEAT WALL - TIERED
    - SW-10 RECLAIMED GRANITE BLOCK WALL
    - SW-11 RECLAIMED GRANITE BOULDER ON LAWN
    - SW-12 RECLAIMED GRANITE BOULDER ON PAVING
    - SW-13 PLAQUE ON RECLAIMED GRANITE BOULDER
  - LIGHT POLES E SERIES**
    - LIGHT POLE, PEDESTRIAN
    - LIGHT POLE, VEHICULAR
  - PLANTING AREA L6-20 L6-21**
    - PL-AR PLANTING AREAS REFER TO PLANTING PLANS
  - BASE BID LIMIT OF WORK**



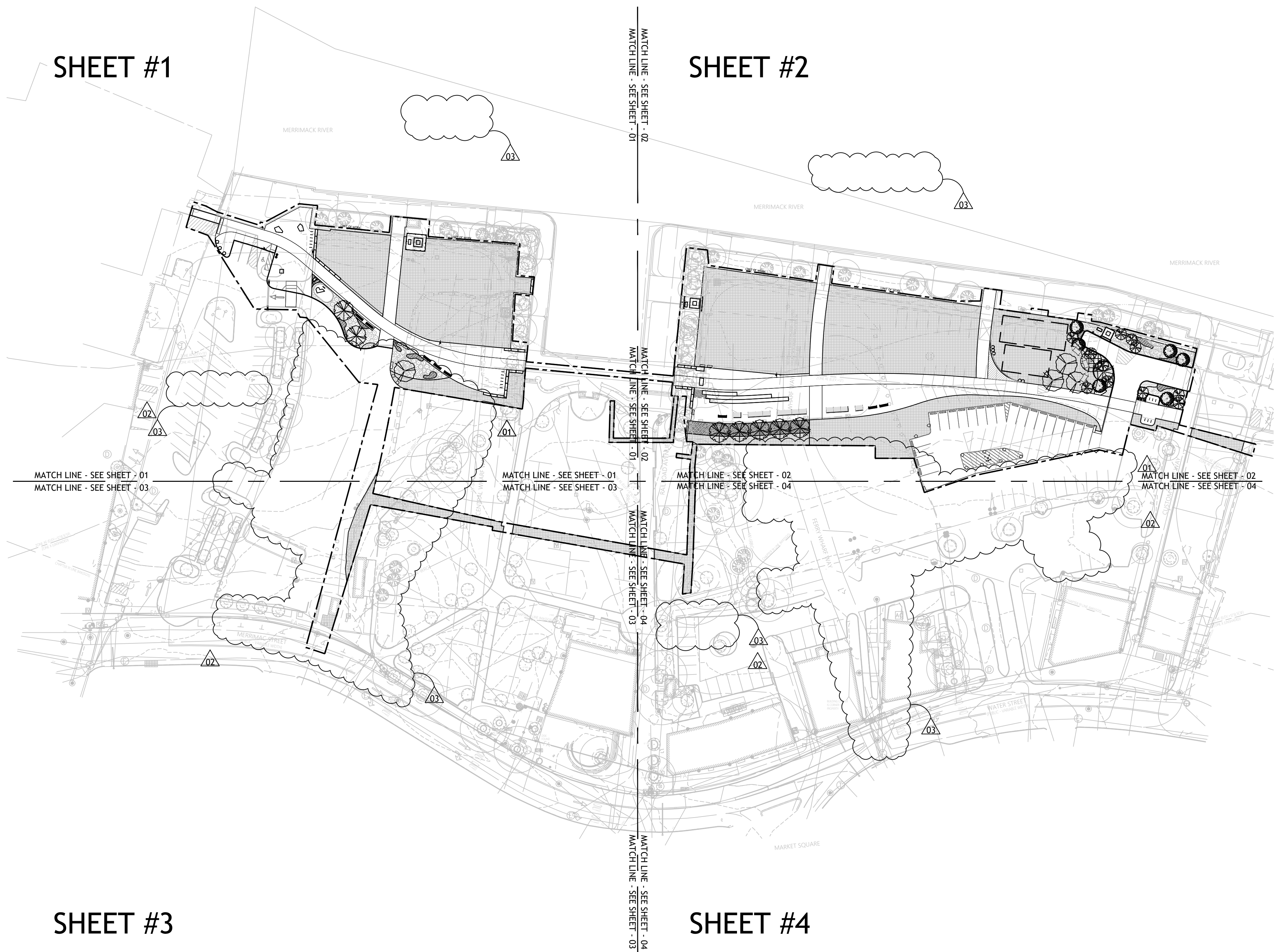
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SHEET #1

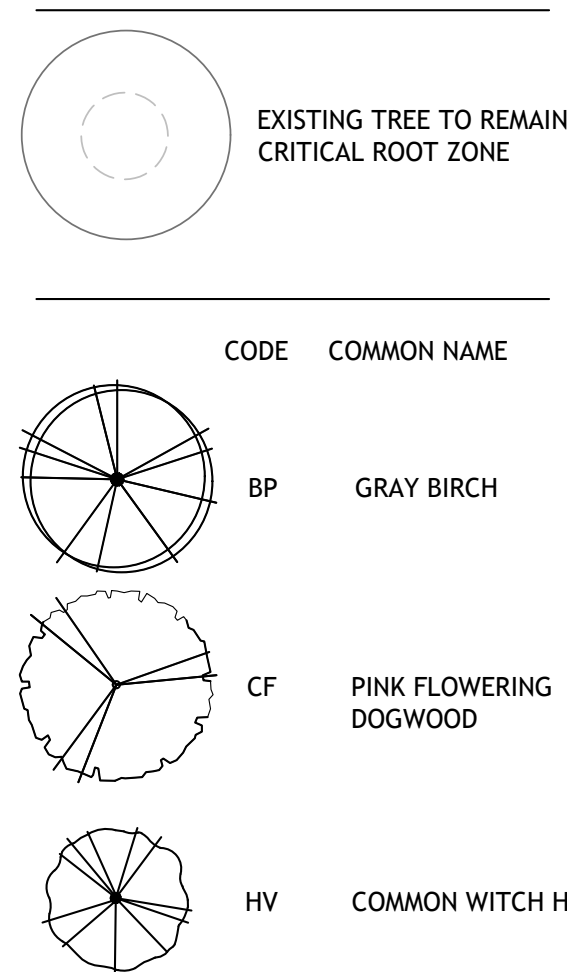
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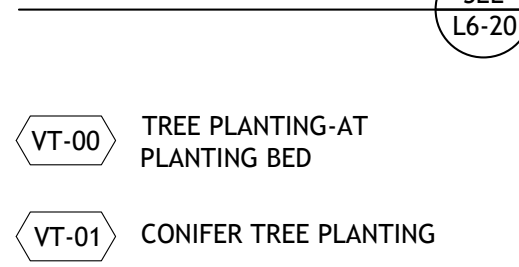
SHEET #4



LEGEND



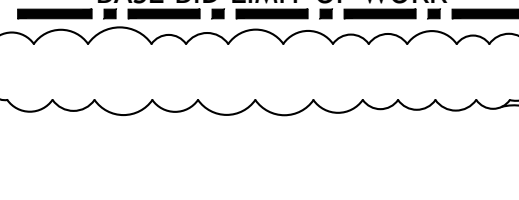
PLANTING DETAILS



NOTES

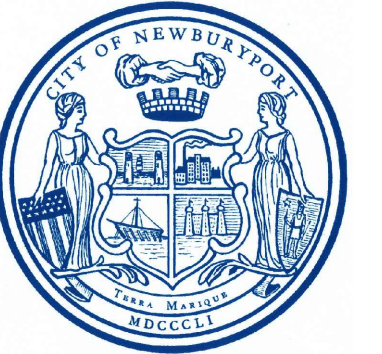
- REFER TO L4.00 SERIES FOR SHRUB AND GROUND COVER PLANTING.
- REFER TO L4-05 FOR PLANT SCHEDULES.

BASE BID LIMIT OF WORK



GENERAL TREE PLANTING NOTES:

- THE CONTRACTOR SHALL SUPPLY PLANT MATERIALS IN QUANTITIES SUFFICIENT TO COMPLETE THE PLANTING AS SHOWN IN THE PLANS.
- IN THE EVENT OF A DISCREPANCY IN PLANT MATERIAL QUANTITIES BETWEEN THE DRAWINGS AND PLANT LISTS, THE LARGER QUANTITY SHALL BE REQUIRED.
- ALL PLANT MATERIAL SHALL BE APPROVED BY THE ARCHITECT PRIOR TO ITS ARRIVAL TO THE SITE. NO DEVIATIONS OR SUBSTITUTIONS FROM THE PLANT SCHEDULE SHALL BE ALLOWED WITHOUT WRITTEN APPROVAL FROM THE ARCHITECT PRIOR TO THE ARRIVAL OF THE PLANT MATERIAL ON SITE.
- ALL TREES SHALL BE TAGGED AND APPROVED BY ARCHITECT. PRIOR TO TAGGING TREES THE CONTRACTOR MUST PROVIDE REPRESENTATIVE PHOTOGRAPHS AND THE TOTAL NUMBER OF TREES AVAILABLE OF EACH SPECIES THAT MEET THE SIZE AND QUALITY REQUIREMENTS FOR TAGGING. ONCE APPROVED BY ARCHITECT, TREE TAGGING CAN BE SCHEDULED AT APPROVED NURSERIES.
- IF SPECIFIED PLANTS ARE UNABLE TO BE SOURCED, CONTRACTOR SHALL SUBMIT PROPOSED PLANT SUBSTITUTIONS TO LANDSCAPE ARCHITECT FOR APPROVAL. IN THIS CASE, DOCUMENTATION OF EXTENSIVE SEARCH FOR UNAVAILABLE PLANTS SHALL BE PROVIDED TO ARCHITECT. IF DOCUMENTED SEARCH APPEARS INSUFFICIENT, ARCHITECT MAY REQUIRE SEARCH TO BE CONTINUED FOR SPECIFIED PLANTS.
- THE ARCHITECT SHALL APPROVE ROUGH AND FINISHED GRADES IN FIELD PRIOR TO THE CONTRACTOR STAKING TREES AND UTILITIES FOR ARCHITECTS REVIEW.
- THE CONTRACTOR SHALL LOCATE AND MARK ALL EXISTING AND PROPOSED UTILITIES TO VERIFY PROPOSED PLANT LOCATIONS AND SHALL REPORT ANY CONFLICTS TO THE ARCHITECT TO DETERMINE ALTERNATE PLANTING LOCATIONS.
- STAKE ALL PROPOSED TREE PLANTINGS FOR REVIEW AND POTENTIAL ADJUSTMENT BY THE ARCHITECT.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL PLANT MATERIALS AGAINST DAMAGE DURING THE CONSTRUCTION PERIOD. PROTECTION SHALL BEGIN FROM THE TIME THE PLANT IS DELIVERED TO SITE AND CONTINUE UNTIL FORMAL ACCEPTANCE OF THE PROJECT.
- COORDINATE ALL EXISTING AND PROPOSED UTILITY WORK WITH PROPOSED PLANTING. NOTIFY ARCHITECT IMMEDIATELY WITH ANY CONFLICTS.
- CONTRACTOR SHALL REMOVE ALL CONSTRUCTION DEBRIS, STONE, EXCESS BUILDERS SAND, CONCRETE AND MORTAR DEBRIS, EXISTING WEEDS, ROOTS AND GRASSES, AND ALL FOREIGN MATERIALS IN THE PLANTING BED AND SOD AREAS.
- ALL PLANTS SHALL HAVE A MINIMUM THREE YEAR WARRANTY FROM THE TIME OF FINAL ACCEPTANCE.
- CRITICAL ROOT ZONE IS AN APPROXIMATION. ALL EXCAVATION AND EARTHWORK WITHIN CRITICAL ROOT ZONE TO BE PERFORMED BY HAND ONLY. CONTACT LANDSCAPE ARCHITECT IMMEDIATELY SHOULD ROOT ZONES APPEAR INCORRECT OR SHOULD THE CONTRACTOR HAVE ANY QUESTIONS REGARDING EXISTING TREES.



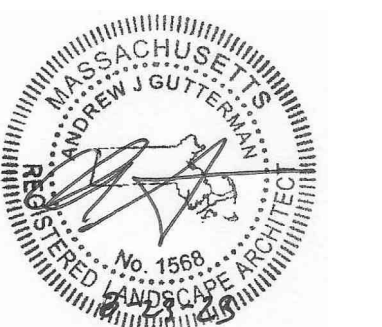
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03	Bulletin 1	08.07.23
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	Bid Set	02.01.23

DWG ISSUE & REVISION HISTORY

Stamp



Project Title:

**Market Landing Park Expansion**  
City of Newburyport  
Newburyport, Massachusetts

Drawing Title:

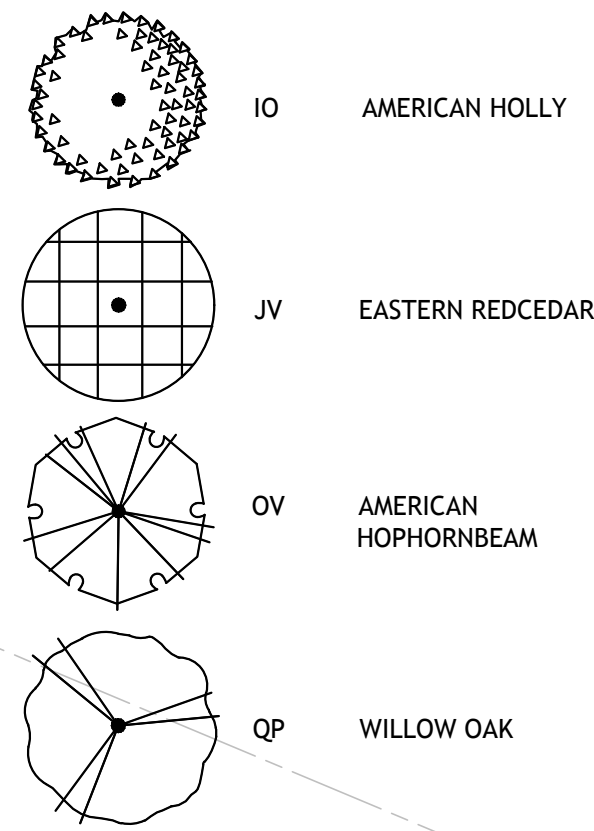
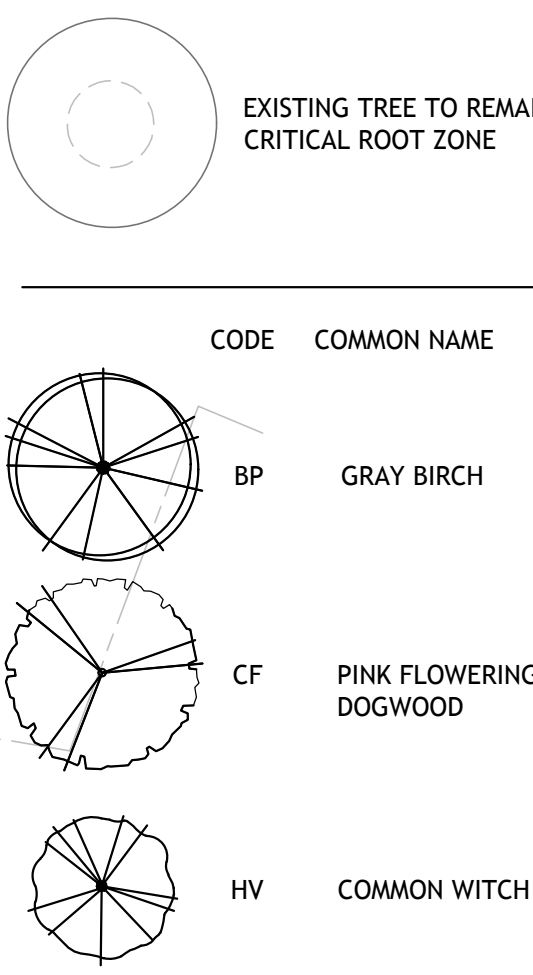
**PLANTING PLAN -  
KEY PLAN**

Project No: 08314.00 Scale: 1" = 60'  
Drawn By: RC, WL, XD  
Checked By: MB  
Approved By: MD  
Date: 02.01.2023

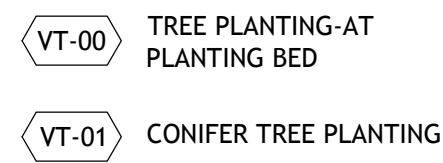
Drawing No:

**L3-00**

LEGEND



PLANTING DETAILS



NOTES

- REFER TO L4-00 SERIES FOR SHRUB AND GROUND COVER PLANTING.
- REFER TO L4-05 FOR PLANT SCHEDULES.

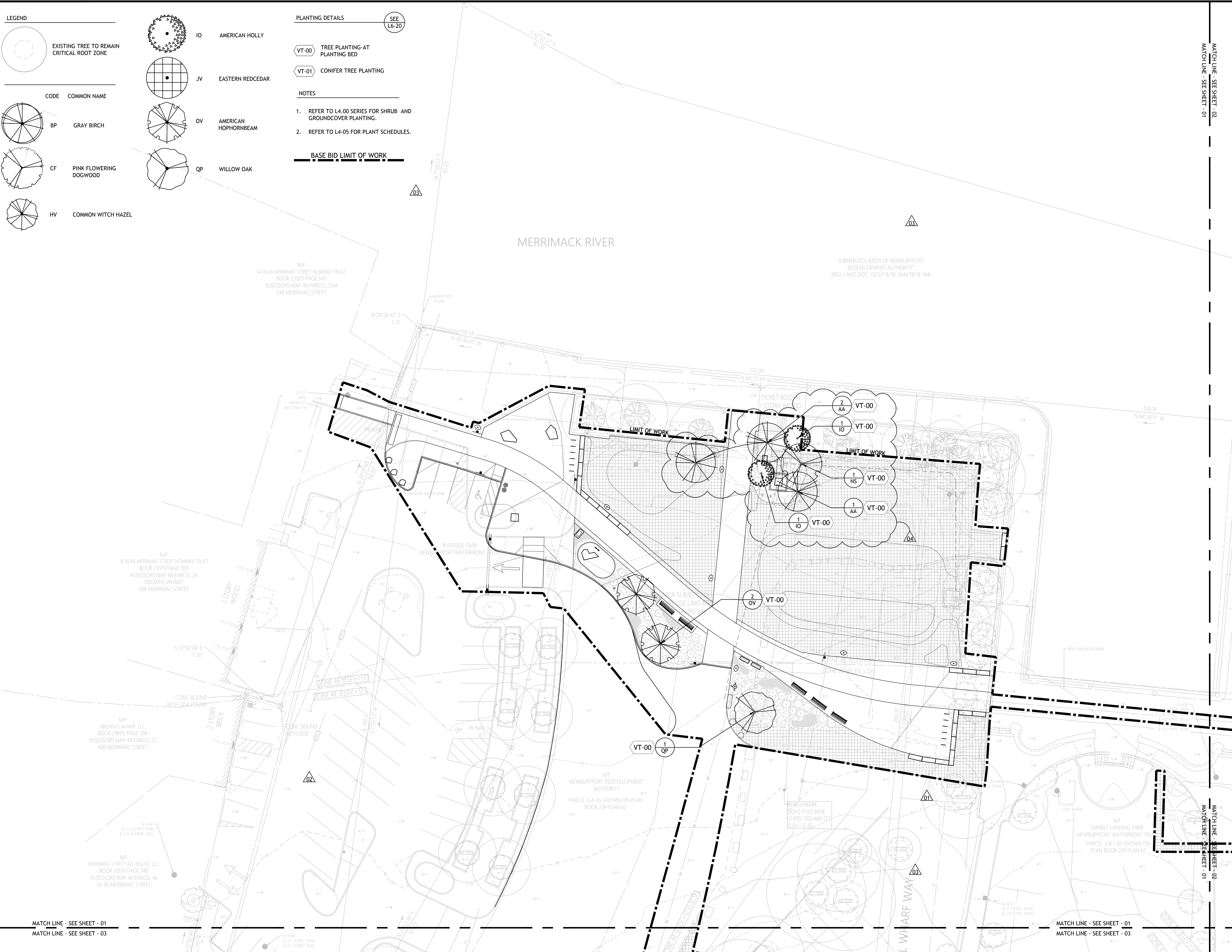
BASE BID LIMIT OF WORK

SEE L6-20

MERRIMACK RIVER

SUBMERGED LANDS OF NEWBURYPORT REDEVELOPMENT AUTHORITY (REG. LAND DOC. 132517 & BK 5644/181 & 184)

9/17/23 7:19:17 PM G:\0314\00\10\_Working\3\_0\_CDD\1\_SheetFiles\L3-00 PLANTING PLAN - CANOPY + UNDERSTORY TREES.dwg



MATCH LINE - SEE SHEET - 02  
MATCH LINE - SEE SHEET - 01

MATCH LINE - SEE SHEET - 02  
MATCH LINE - SEE SHEET - 01

MATCH LINE - SEE SHEET - 01  
MATCH LINE - SEE SHEET - 03

MATCH LINE - SEE SHEET - 01  
MATCH LINE - SEE SHEET - 03

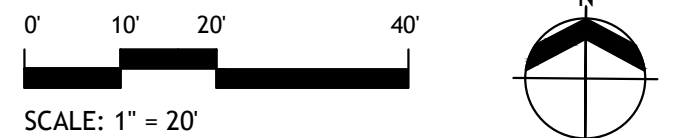
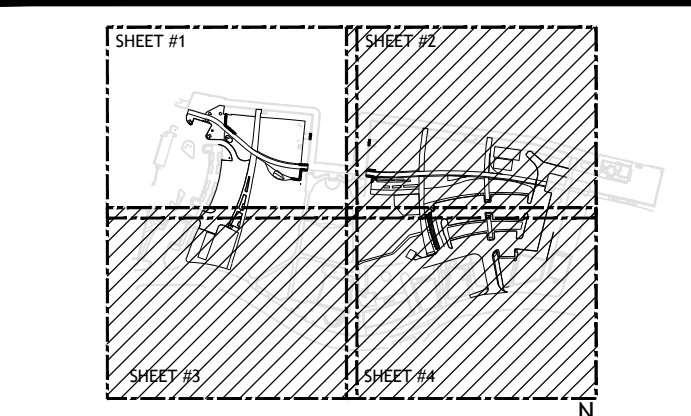
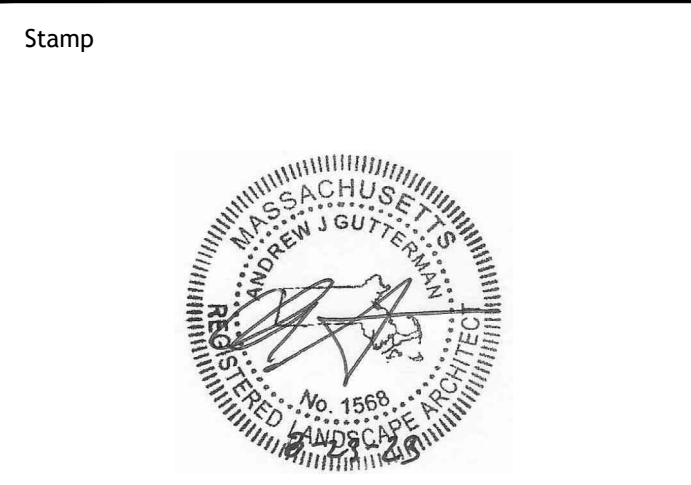


**SASAKI**

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04	Bulletin 2	09.07.23
03	Bulletin 1	08.07.23
02	Addendum 4	05.15.23
01	Addendum 2	05.03.23
	Bid Set	02.01.23

DWG ISSUE & REVISION HISTORY



Project Title:  
**Market Landing Park Expansion**  
City of Newburyport  
Newburyport, Massachusetts

Drawing Title:  
**PLANTING PLAN - CANOPY + UNDERSTORY TREES**

Project No: 08314.00 Scale: 1" = 20'  
Drawn By: RC, WL, XD  
Checked By: MB  
Approved By: MD  
Date: 02.01.2023

Drawing No: **L3-01**

MATCH LINE - SEE SHEET - 02  
MATCH LINE - SEE SHEET - 01

**LEGEND**

EXISTING TREE TO REMAIN  
CRITICAL ROOT ZONE

CODE COMMON NAME

BP GRAY BIRCH

CF PINK FLOWERING DOGWOOD

HV COMMON WITCH HAZEL

IO AMERICAN HOLLY

JV EASTERN REDCEDAR

OV AMERICAN HOPHORNBEAM

QP WILLOW OAK

**PLANTING DETAILS** SEE L6-20

VT-00 TREE PLANTING-AT PLANTING BED

VT-01 CONIFER TREE PLANTING

**NOTES**

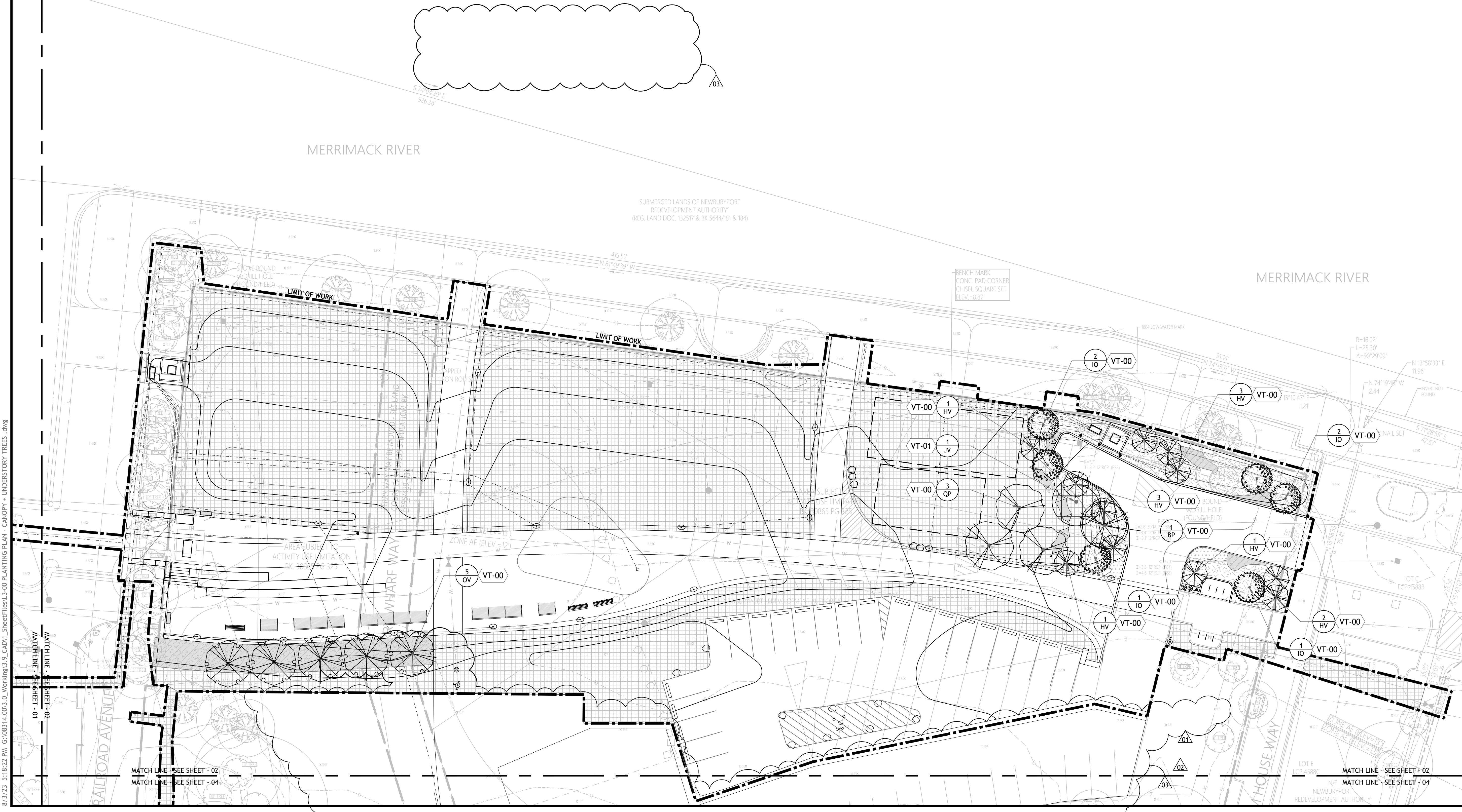
- REFER TO L4-00 SERIES FOR SHRUB AND GROUND COVER PLANTING.
- REFER TO L4-05 FOR PLANT SCHEDULES.

**BASE BID LIMIT OF WORK**

MERRIMACK RIVER

SUBMERGED LANDS OF NEWBURYPORT REDEVELOPMENT AUTHORITY\* (REG. LAND DOC. 132517 & BK 5644/181 & 184)

MERRIMACK RIVER



8/3/23 5:18:22 PM G:\08314\00\3.0\_Working\3.0\_CAD\1\_SitePlan\3.00 PLANTING PLAN - CANOPY + UNDERSTORY TREES.dwg



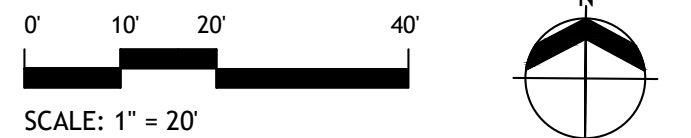
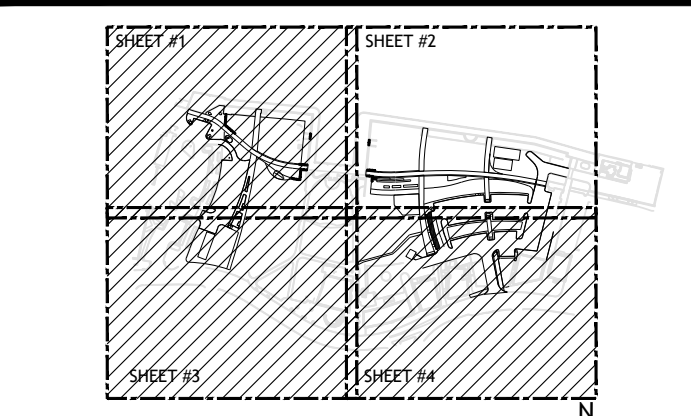
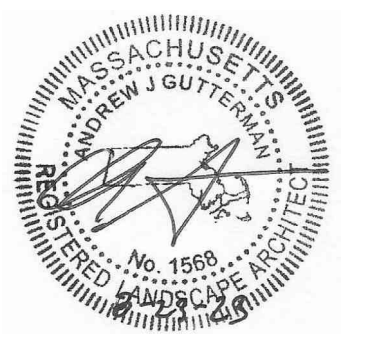
**SASAKI**

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P 617 926 9300 F 617 924 2748 W SASAKI.COM

03	Bulletin 1	08.07.23
02	Addendum 4	05.15.23
01	Addendum 2	05.03.23
	Bid Set	02.01.23

**DWG ISSUE & REVISION HISTORY**

Stamp



Project Title:

**Market Landing Park Expansion  
City of Newburyport  
Newburyport, Massachusetts**

Drawing Title:

**PLANTING PLAN - CANOPY + UNDERSTORY TREES**

Project No: 08314.00 Scale: 1" = 20'  
 Drawn By: RC, WL, XD  
 Checked By: MB  
 Approved By: MD  
 Date: 02.01.2023

Drawing No: **L3-02**





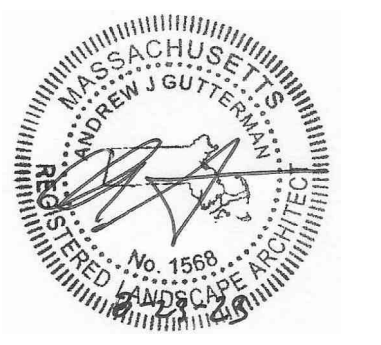
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03	Bulletin 1	08.07.23
02	Addendum 4	05.15.23
01	Addendum 2	05.03.23
	Bid Set	02.01.23

#### DWG ISSUE & REVISION HISTORY

Stamp



Project Title:

**Market Landing Park Expansion**  
City of Newburyport  
Newburyport, Massachusetts

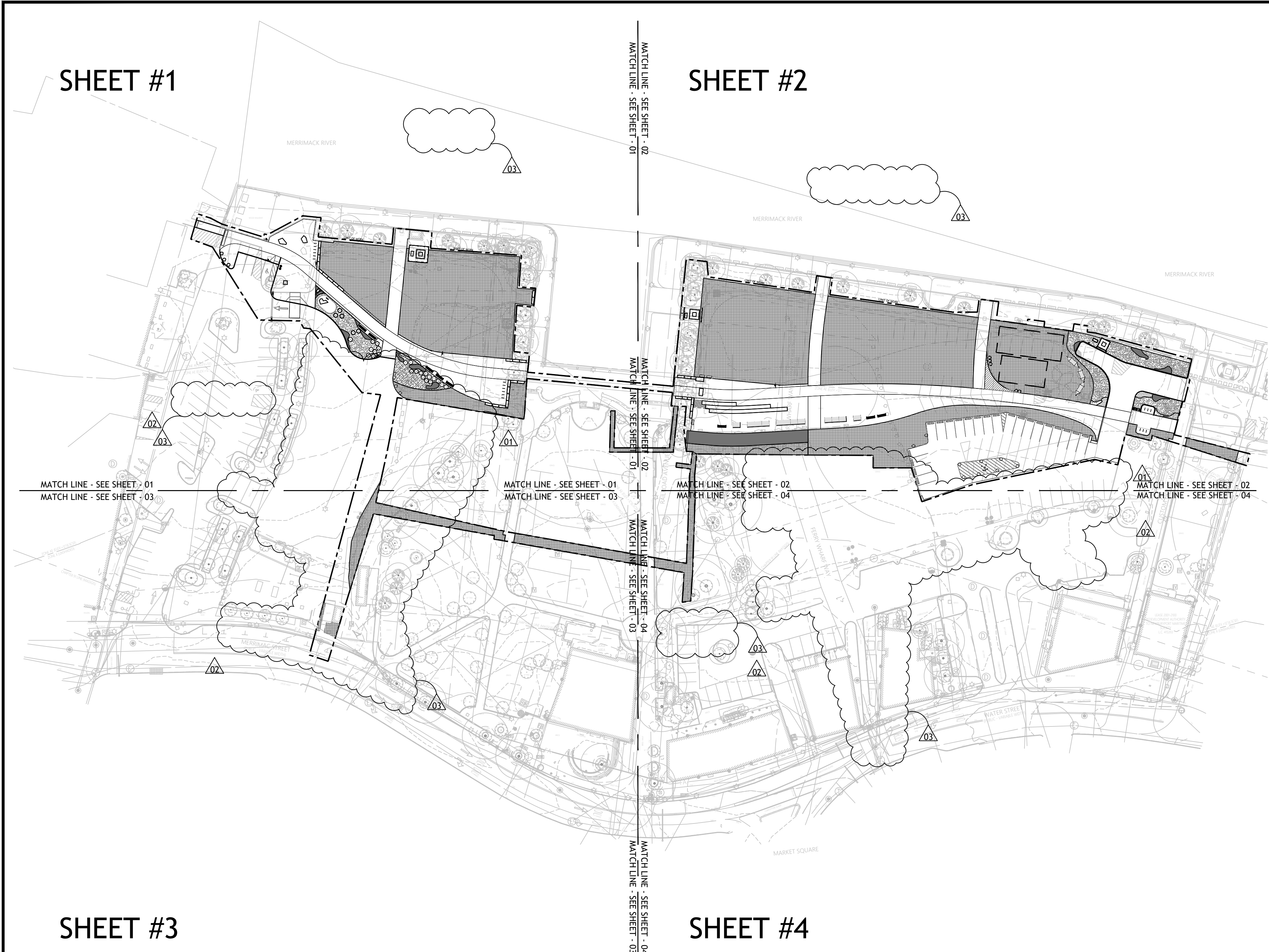
Drawing Title:

**PLANTING PLAN**  
**GROUNDCOVER - KEY PLAN**

Project No: 08314.00      Scale: 1" = 60'  
 Drawn By: WL  
 Checked By: MB  
 Approved By: MD  
 Date: 02.01.2023

Drawing No:

**L4-00**



### SHEET #1

### SHEET #2

### SHEET #3

### SHEET #4

#### LEGEND

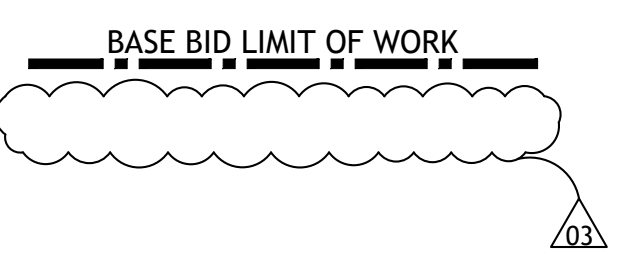
- EXISTING TREE TO REMAIN
- LAWN- SEE PLANTING SCHEDULE FOR SEED MIX
- AC
- AD
- CP
- CV
- DC
- NA
- OC
- SD
- REINFORCED TURF
- CA2
- MP
- RA

#### PLANTING DETAILS

- VT-02 SHRUB & PERENNIAL PLANTING, TYP.
- VT-03 GROUNDCOVER PLANTING
- VT-04 PERENNIAL PLANTING LAYOUT
- VT-05 REINFORCED TURF


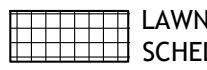


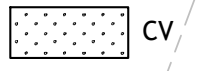
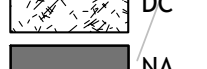
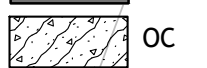







#### NOTES

1. REFER TO L4-00 SERIES FOR UNDERSTORY AND GROUNDCOVER PLANTING.
2. REFER TO CANOPY TREE PLANTING
3. REFER TO L4-05 FOR PLANT SCHEDULES.

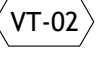
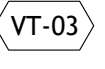
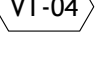
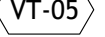


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**LEGEND**

-  EXISTING TREE TO REMAIN
-  LAWN: SEE PLANTING SCHEDULE FOR SEED MIX
-  AC
-  AD
-  CP
-  CV
-  DC
-  NA
-  OC
-  SD
-  REINFORCED TURF
-  CAZ
-  MP
-  RA


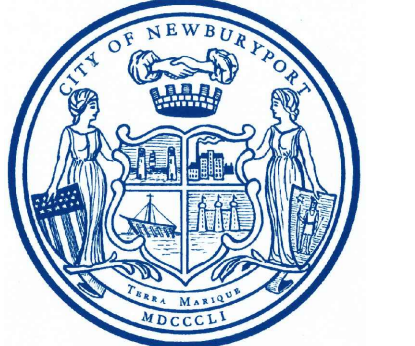
**PLANTING DETAILS**

-  VT-02 SHRUB & PERENNIAL PLANTING, TYP.
-  VT-03 GROUNDCOVER PLANTING
-  VT-04 PERENNIAL PLANTING LAYOUT
-  VT-05 REINFORCED TURF

**NOTES**

1. REFER TO L4-00 SERIES FOR UNDERSTORY AND GROUNDCOVER PLANTING.
2. REFER TO CANOPY TREE PLANTING
3. REFER TO L4-05 FOR PLANT SCHEDULES.

**BASE BID LIMIT OF WORK**

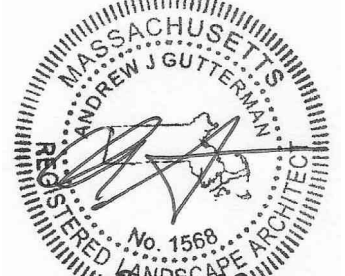
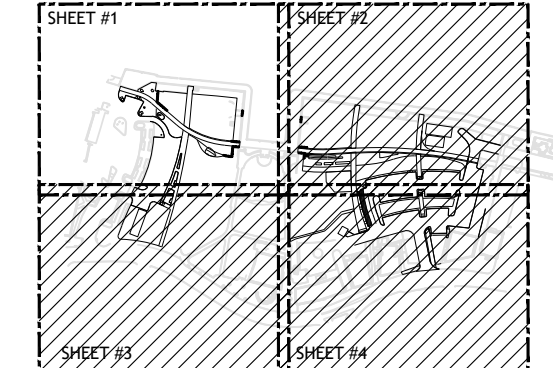



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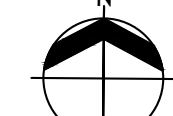
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DWG ISSUE & REVISION HISTORY		
04	Bulletin 2	09.07.23
03	Bulletin 1	08.07.23
02	Addendum 4	05.15.23
01	Addendum 2	05.03.23
	Bid Set	02.01.23

Stamp

SCALE: 1" = 20'



Project Title:  
**Market Landing Park Expansion**  
 City of Newburyport  
 Newburyport, Massachusetts

Drawing Title:  
**PLANTING PLAN SHRUBS + GROUNDCOVER PLAN**

Project No: 08314.00      Scale: 1" = 20'  
 Drawn By: RC, WL, XD  
 Checked By: MB  
 Approved By: MD  
 Date: 02.01.2023

Drawing No: **L4-01**

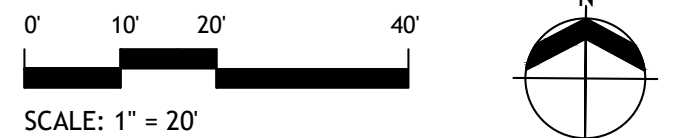
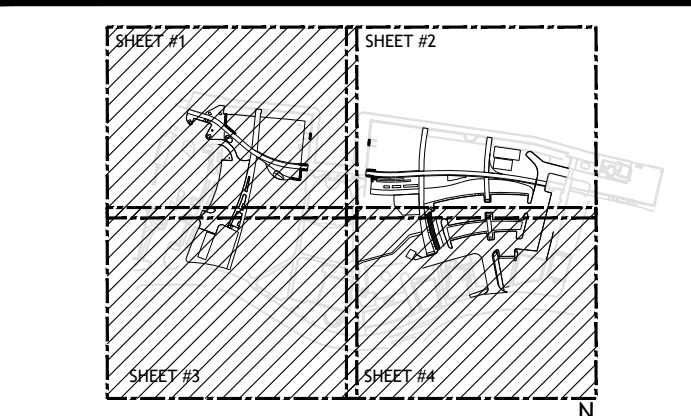


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DWG ISSUE & REVISION HISTORY		
05	Bulletin 3	09.27.23
04	Bulletin 2	09.07.23
03	Bulletin 1	08.07.23
02	Addendum 4	05.15.23
01	Addendum 2	05.03.23
	Bid Set	02.01.23

Stamp



SCALE: 1" = 20'

Project Title:  
**Market Landing Park Expansion**  
City of Newburyport  
Newburyport, Massachusetts

Drawing Title:  
**PLANTING PLAN SHRUBS AND  
GROUNDCOVER PLAN**

Project No: 08314.00 Scale: 1" = 20'  
Drawn By: RC, WL, XD  
Checked By: MB  
Approved By: MD  
Date: 02.01.2023

Drawing No: **L4-02**

**LEGEND**

EXISTING TREE TO REMAIN

LAWN: SEE PLANTING SCHEDULE FOR SEED MIX

AC  
AD  
CP  
CV  
DC  
NA  
OC  
SD  
REINFORCED TURF

CAZ  
MP  
RA

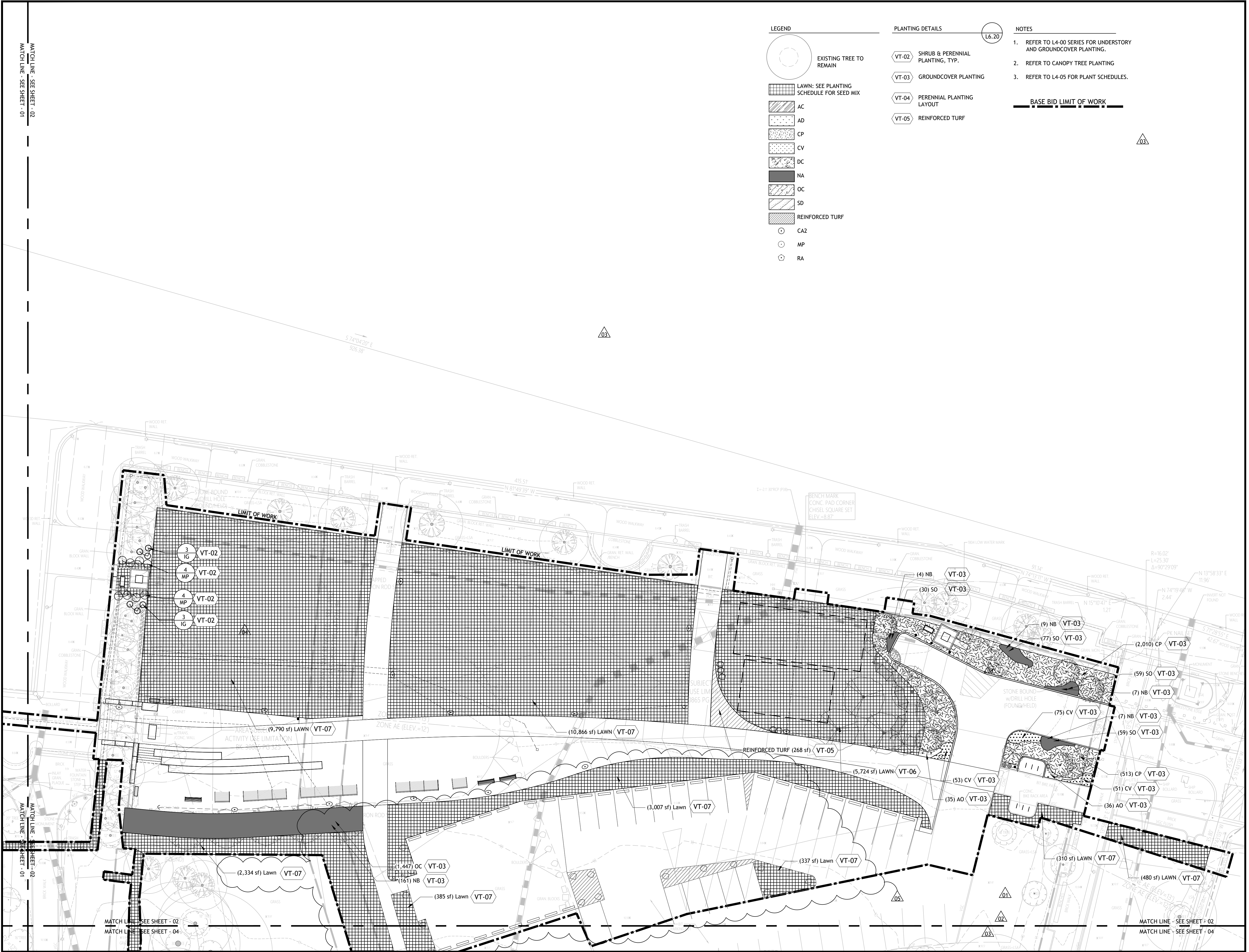
**PLANTING DETAILS**

VT-02 SHRUB & PERENNIAL PLANTING, TYP.  
VT-03 GROUNDCOVER PLANTING  
VT-04 PERENNIAL PLANTING LAYOUT  
VT-05 REINFORCED TURF

L6.20

- NOTES**
- REFER TO L4-00 SERIES FOR UNDERSTORY AND GROUNDCOVER PLANTING.
  - REFER TO CANOPY TREE PLANTING
  - REFER TO L4-05 FOR PLANT SCHEDULES.

BASE BID LIMIT OF WORK



0/27/23 4:19:28 PM G:\08314.00\3.00\_Working\3.9\_CAD\1\_SheetFiles\L4-00\_PLANTING PLAN SHRUBS - GROUNDCOVER PLAN.dwg

MATCH LINE - SEE SHEET - 02  
MATCH LINE - SEE SHEET - 01

MATCH LINE - SEE SHEET - 01  
MATCH LINE - SEE SHEET - 02

MATCH LINE - SEE SHEET - 02  
MATCH LINE - SEE SHEET - 04

MATCH LINE - SEE SHEET - 02  
MATCH LINE - SEE SHEET - 04



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05	Bulletin 3	09.27.23
04	Bulletin 2	09.07.23
03	Bulletin 1	08.07.23
02	Addendum 4	05.15.23
	Bid Set	02.01.23

DWG ISSUE & REVISION HISTORY

Stamp

Project Title:

**Market Landing Park Expansion**  
City of Newburyport  
Newburyport, Massachusetts

Drawing Title:

**L4-05 - PLANTING SCHEDULE**

Project No: 08314.00 Scale: NTS  
Drawn By: RC, WL, XD  
Checked By: MB  
Approved By: MD  
Date: 02.01.2023

Drawing No:

**L4-05**

PLANTING SCHEDULE					
TREES	COMMON NAME	BOTANICAL NAME	COMMON NAME	SIZE	QTY.
	IO	Ilex opaca	American Holly	8-10 ft. HT.	8
	OV	Ostrya virginiana	American Hophornbeam	3-3.5 Inch CAL.	7
	HV	Hamamelis virginiana	Common Witch Hazel	8-10 ft. HT.	11
	AA	Amelanchier arborea	Downy Serviceberry	3"-3.5" CAL.	3
	JV	Juniperus virginiana	Eastern Redcedar	3-3.5 Inch CAL.	1
	BP	Betula populifolia	Gray Birch	2 Inch CAL.	1
	NS	Nyssa sylvatica	Tupelo	3-3.5 Inch CAL.	1
	QP	Quercus phellos	Willow Oak	4-4.5 Inch CAL.	4

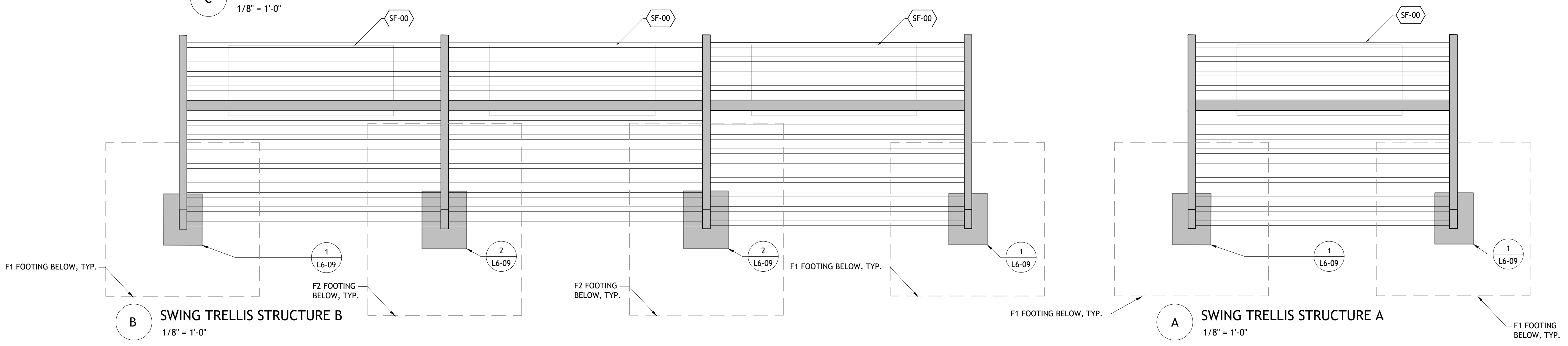
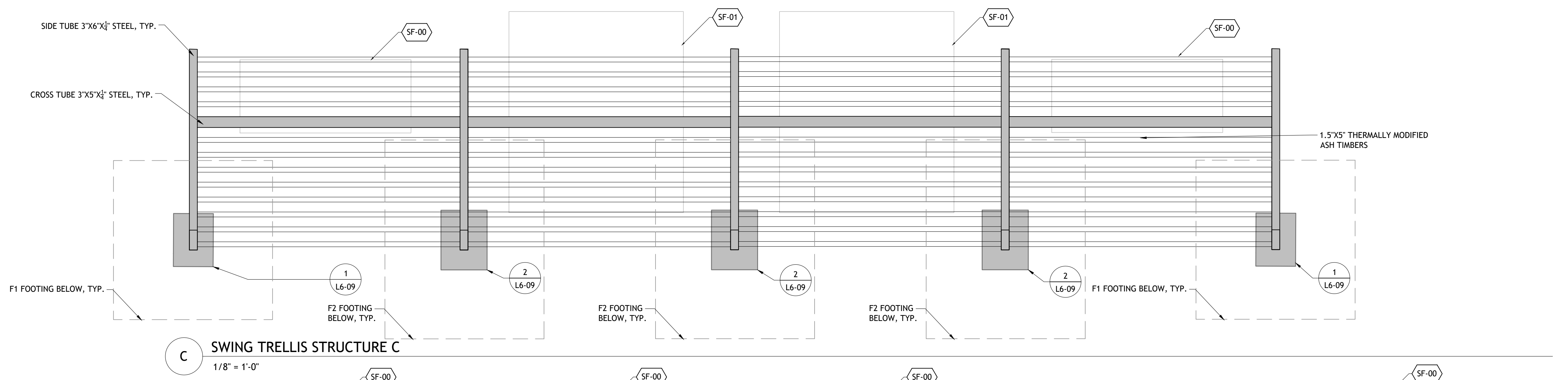
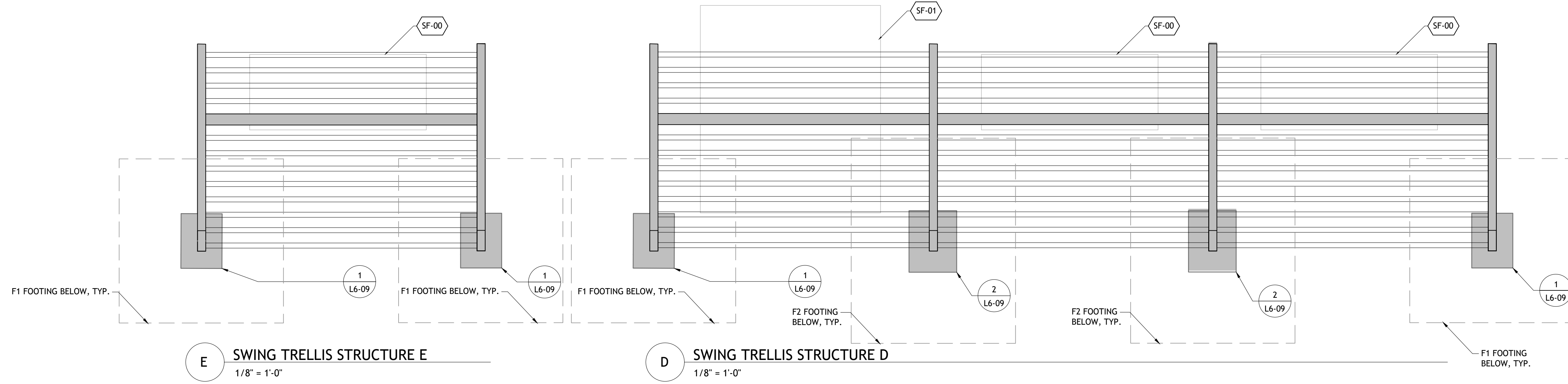
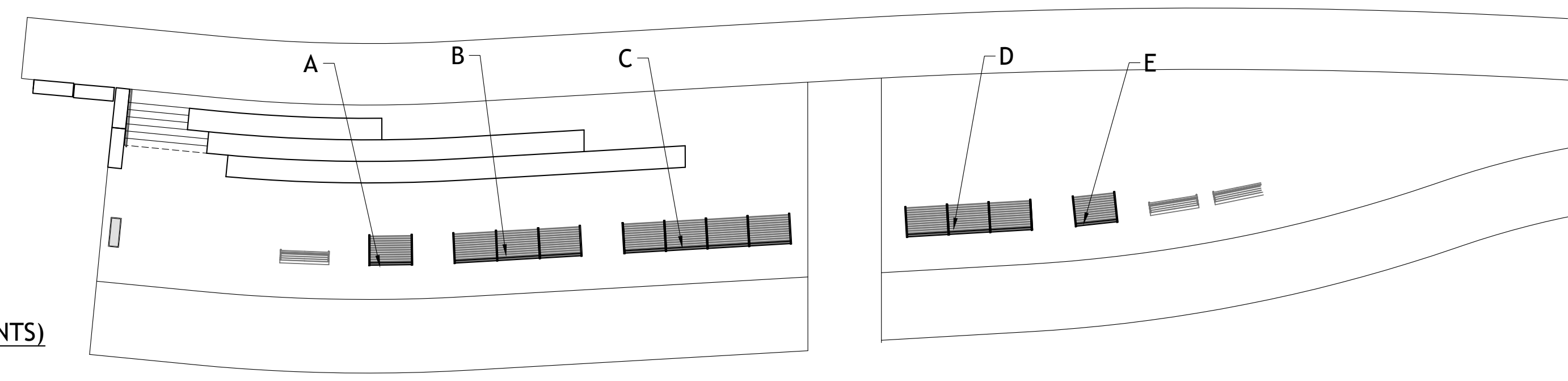
PLANTING SCHEDULE						
SHRUBS	COMMON NAME	BOTANICAL NAME	COMMON NAME	SIZE	SPACING	QTY.
	CA	Clethra alnifolia	Summersweet 'Sixteen Candles'	36-48 Inch	4 ft.	5
	IG	Ilex glabra	Inkberry Holly	24-36 Inch	4 ft.	17
	MP	Myrica pensylvanica	Northern Bayberry	24-36 Inch	AS NOTED ON PLANS	27
	RA	Rhus aromatica	Fragrant Sumac	24-36 Inch	AS NOTED ON PLANS	12
GROUND COVERS						
COMMON NAME	BOTANICAL NAME	COMMON NAME	SIZE	SPACING	QTY.	
	AO	Aster oblongifolius	'October Skies'	#1 Cont.	12 Inch	71
	CP	Carex pensylvanica	Pennsylvania Sedge	#1 Cont.	12 Inch	3,425
	CV	Coreopsis verticillata	Threadleaf Coreopsis 'Moonbeam'	#1 Cont.	12 Inch	179
	LAWN	Lawn	Lawn	Seed Mix		53,795 sf
	NB	Narcissus Bulbs	Daffodil (SEED MIX - SEE SPECIFICATIONS)	Bulb	36 Inch	225
	OC	Osmunda cinnamomea	Cinnamon Fern	#1 Cont.	12 Inch	2,213
	SO	Solidago	Goldenrod 'Little Lemon'	#1 Cont.	12 Inch	496



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### SWING TRELLIS STRUCTURE KEY PLAN (NTS)



01	Bulletin 1	08.07.23
	Bid Set	02.01.23

#### DWG ISSUE & REVISION HISTORY

Stamp

Project Title:  
**Market Landing Park Expansion**  
 City of Newburyport  
 Newburyport, Massachusetts

Drawing Title:  
**SITE DETAILS- SWING TRELLIS**

Project No: 08314.00 Scale: As Noted  
 Drawn By: WL  
 Checked By: MB  
 Approved By: MD  
 Date: 02.01.2023

Drawing No:  
**L6-08**

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# SASAKI

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P 617 926 9300 F 617 924 2748 W SASAKI.COM

01	Bulletin 1	08.07.23
	Bid Set	02.01.23

DWG ISSUE & REVISION HISTORY

Stamp



Project Title:

Market Landing Park Expansion  
City of Newburyport  
Newburyport, Massachusetts

Drawing Title:

SITE DETAILS - SWING TRELLIS

Project No: 08314.00 Scale: As Noted

Drawn By: WL

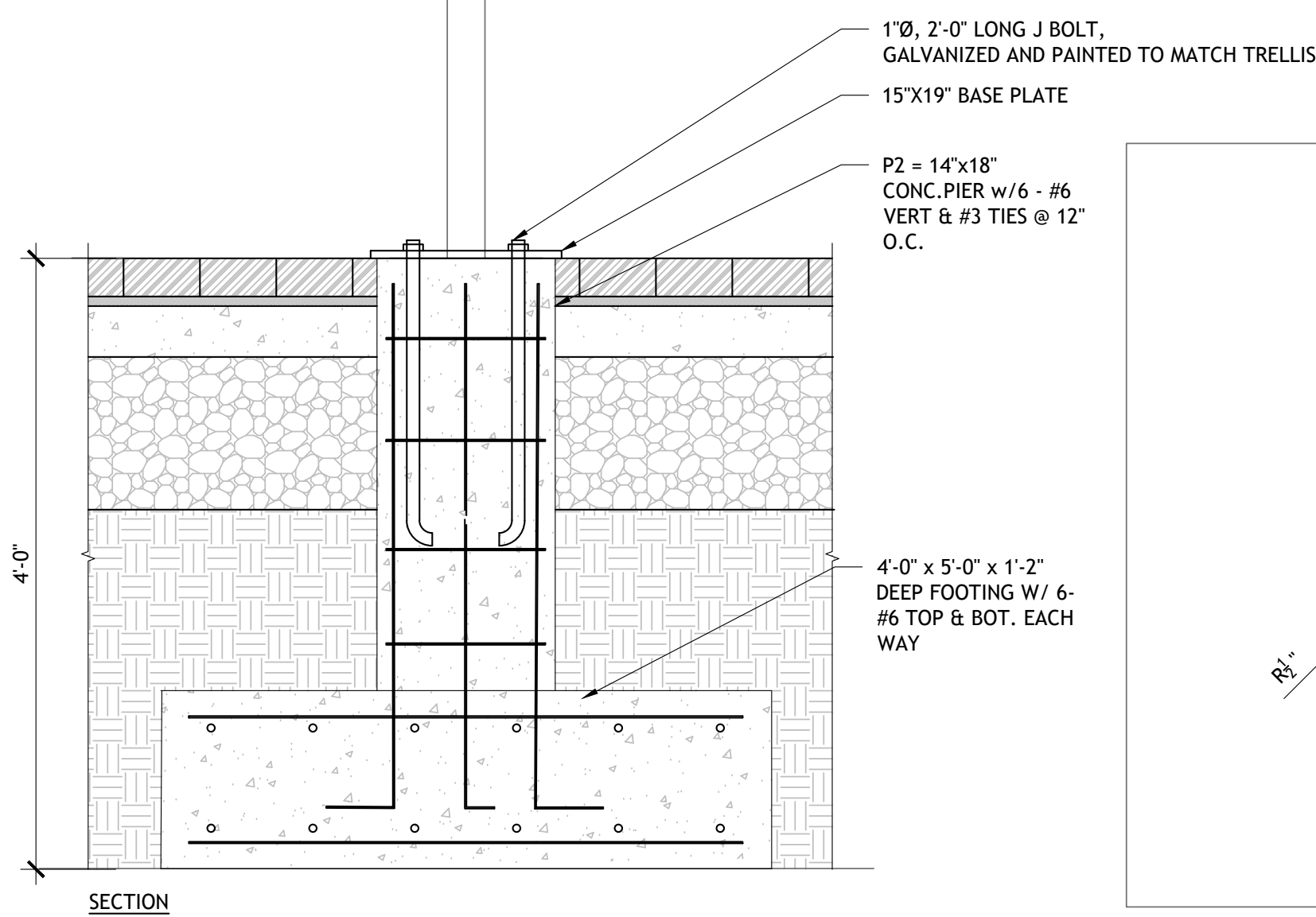
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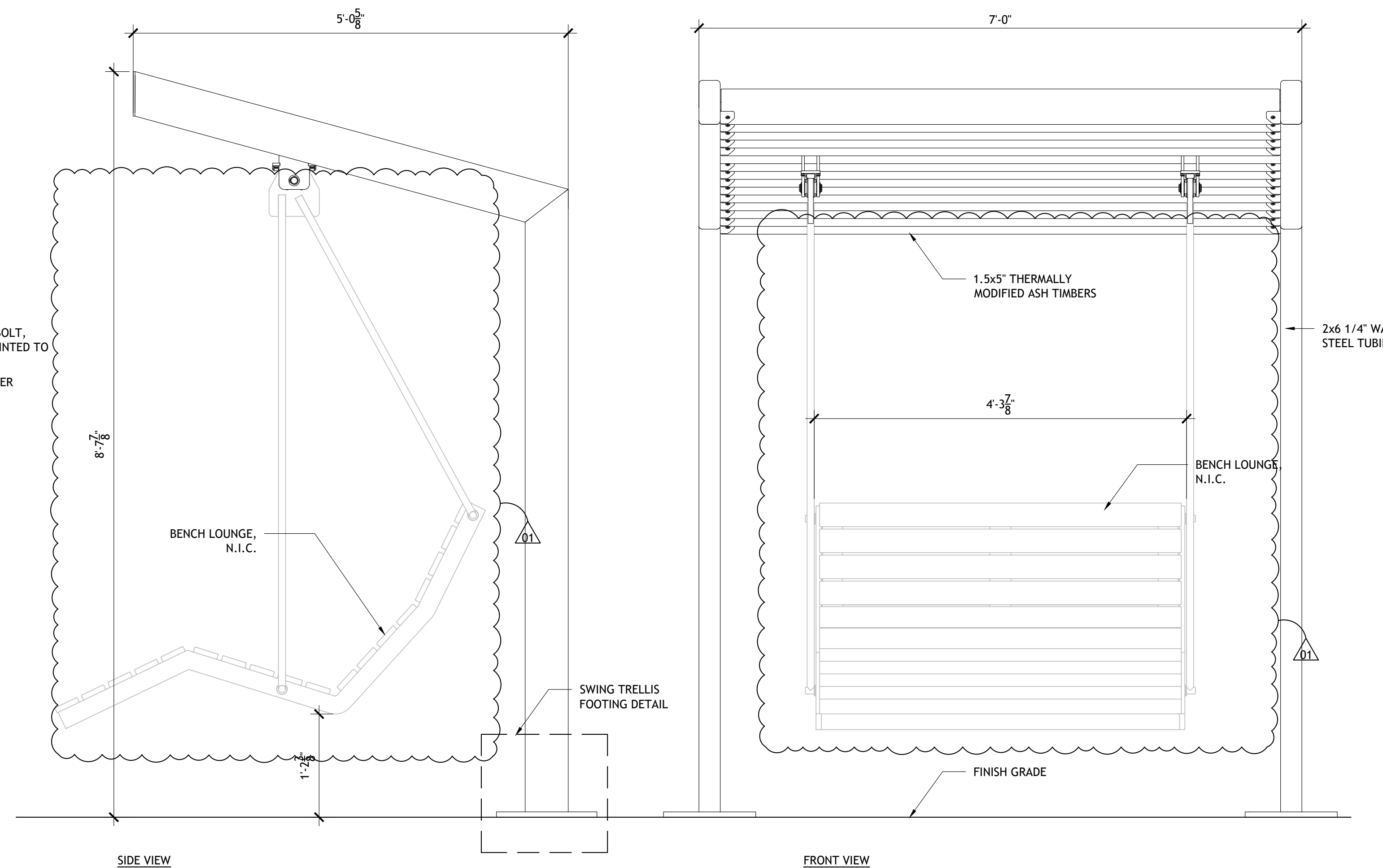
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Drawing No:

## L6-09

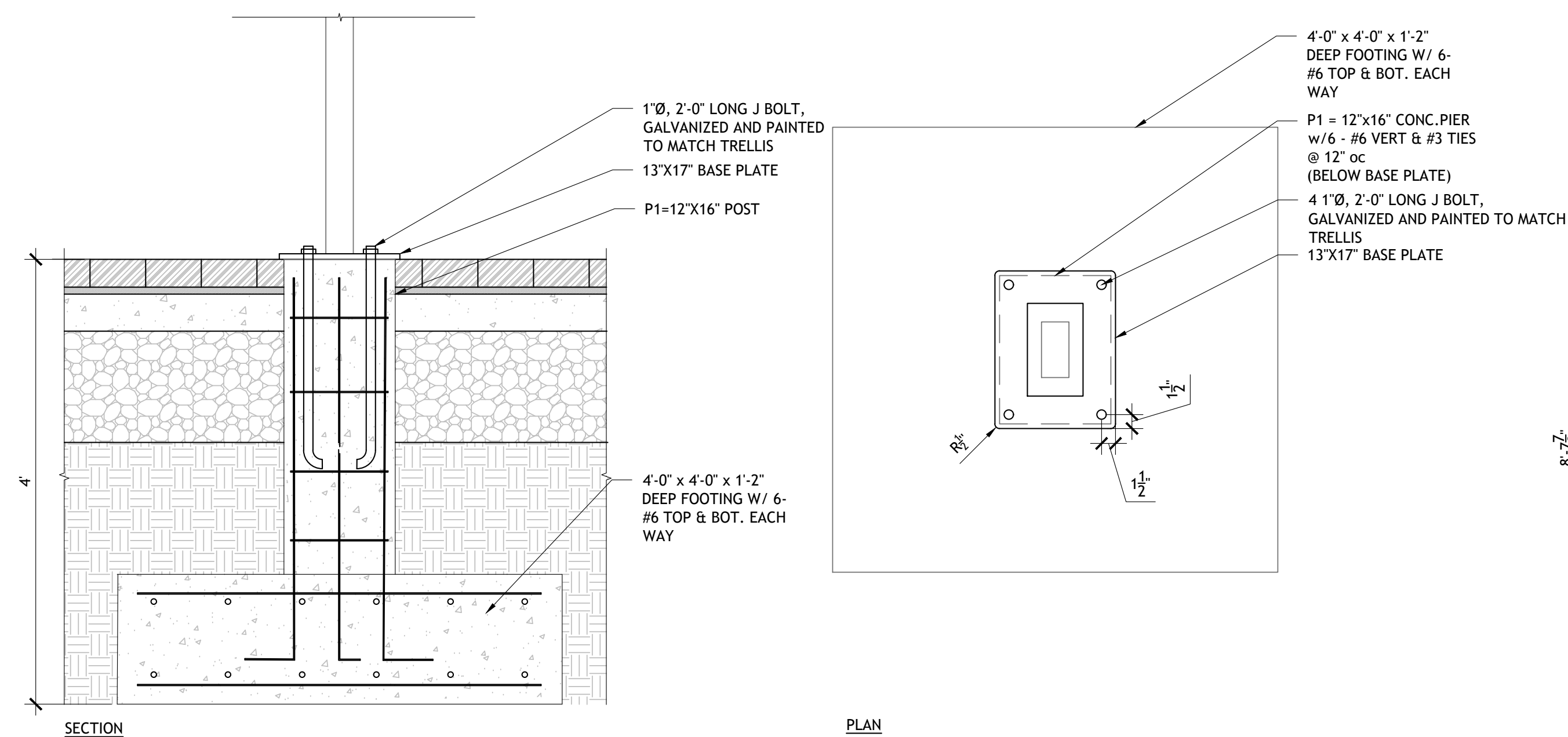


- NOTE:
- GROUND IMPROVEMENT WITH ALLOWABLE BEARING PRESSURE OF 4.0 KSF WILL BE REQUIRED
  - SUBGRADE TO BE PREPARED AS DESCRIBED IN PARAGRAPH 3.10 OF SECTION 312.300
  - SHOP DRAWINGS TO CONFIRM FOOTING AND ANCHOR BOLT DESIGN NEED TO BE COMPLETED PRIOR TO INSTALLATION OF FOOTING

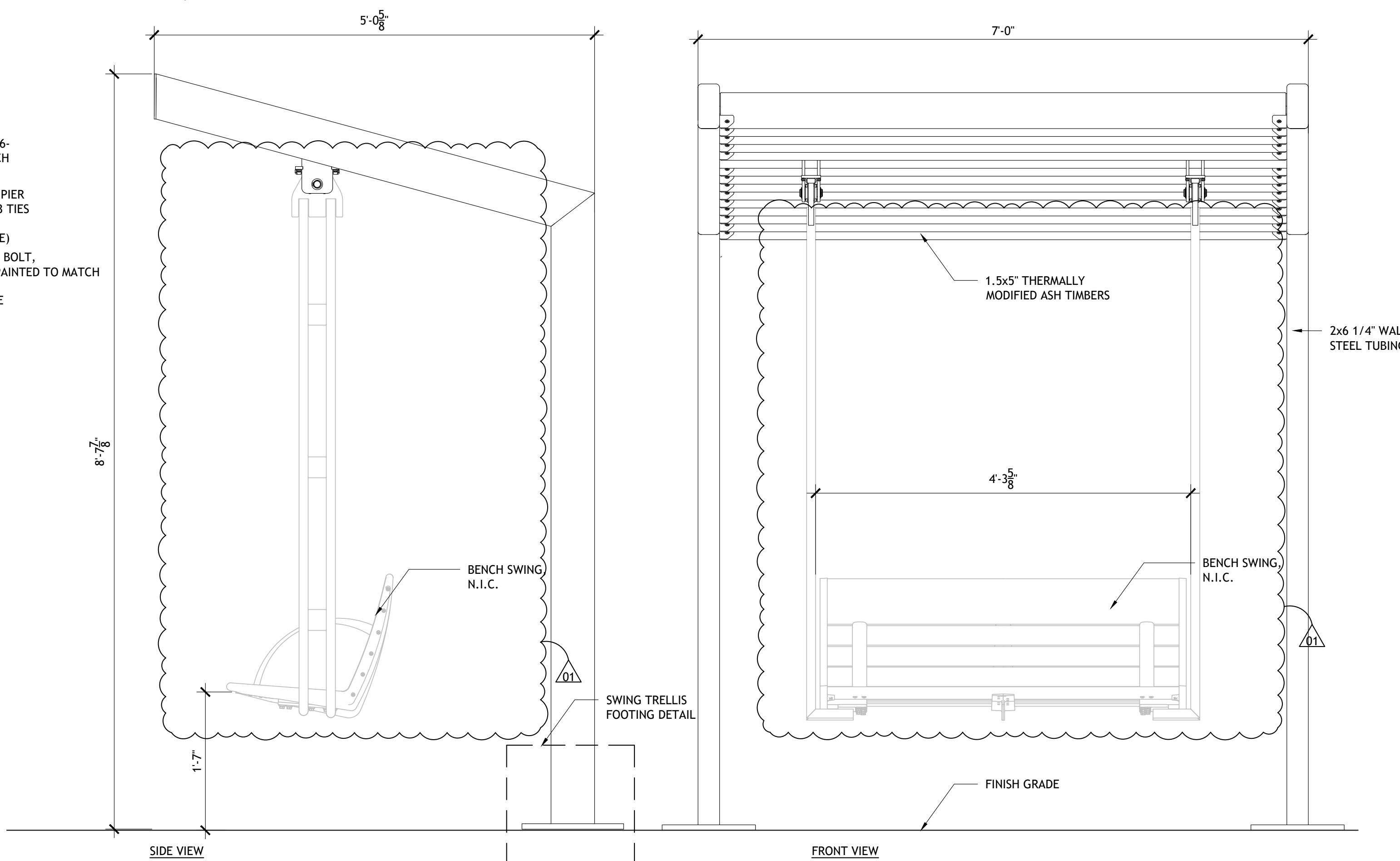


SF-01 TRELLIS SWING LOUNGE  
1" = 1'-0"

2 SWING TRELLIS FOUNDATION - F2  
1" = 1'-0"

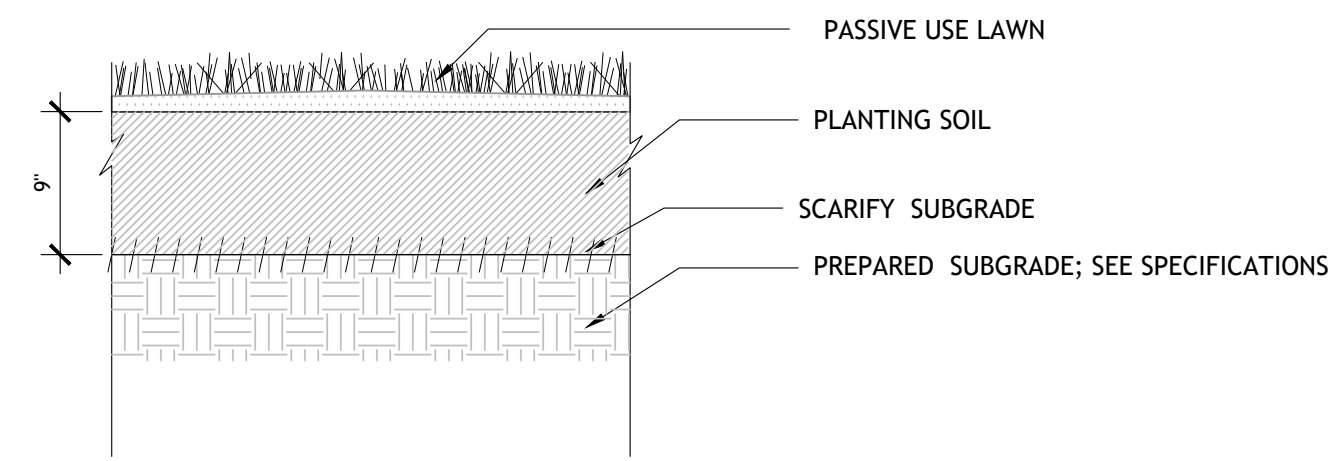


- NOTE:
- GROUND IMPROVEMENT WITH ALLOWABLE BEARING PRESSURE OF 4.0 KSF WILL BE REQUIRED
  - SUBGRADE TO BE PREPARED AS DESCRIBED IN PARAGRAPH 3.10 OF SECTION 312.300
  - SHOP DRAWINGS TO CONFIRM FOOTING AND ANCHOR BOLT DESIGN NEED TO BE COMPLETED PRIOR TO INSTALLATION OF FOOTING

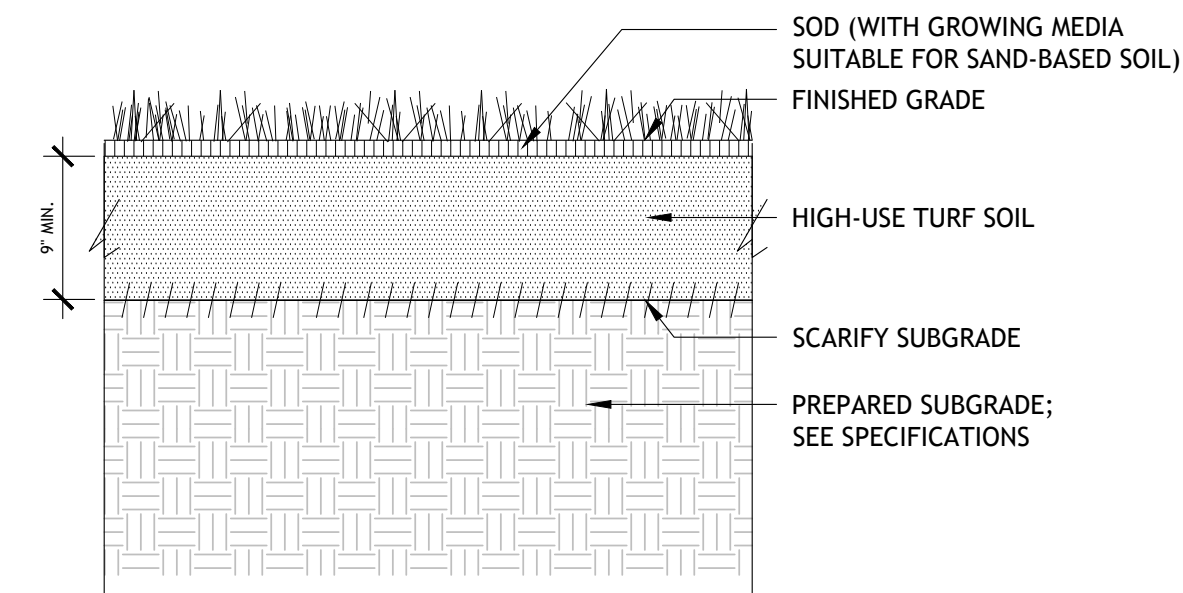


SF-00 TRELLIS SWING BENCH  
1" = 1'-0"

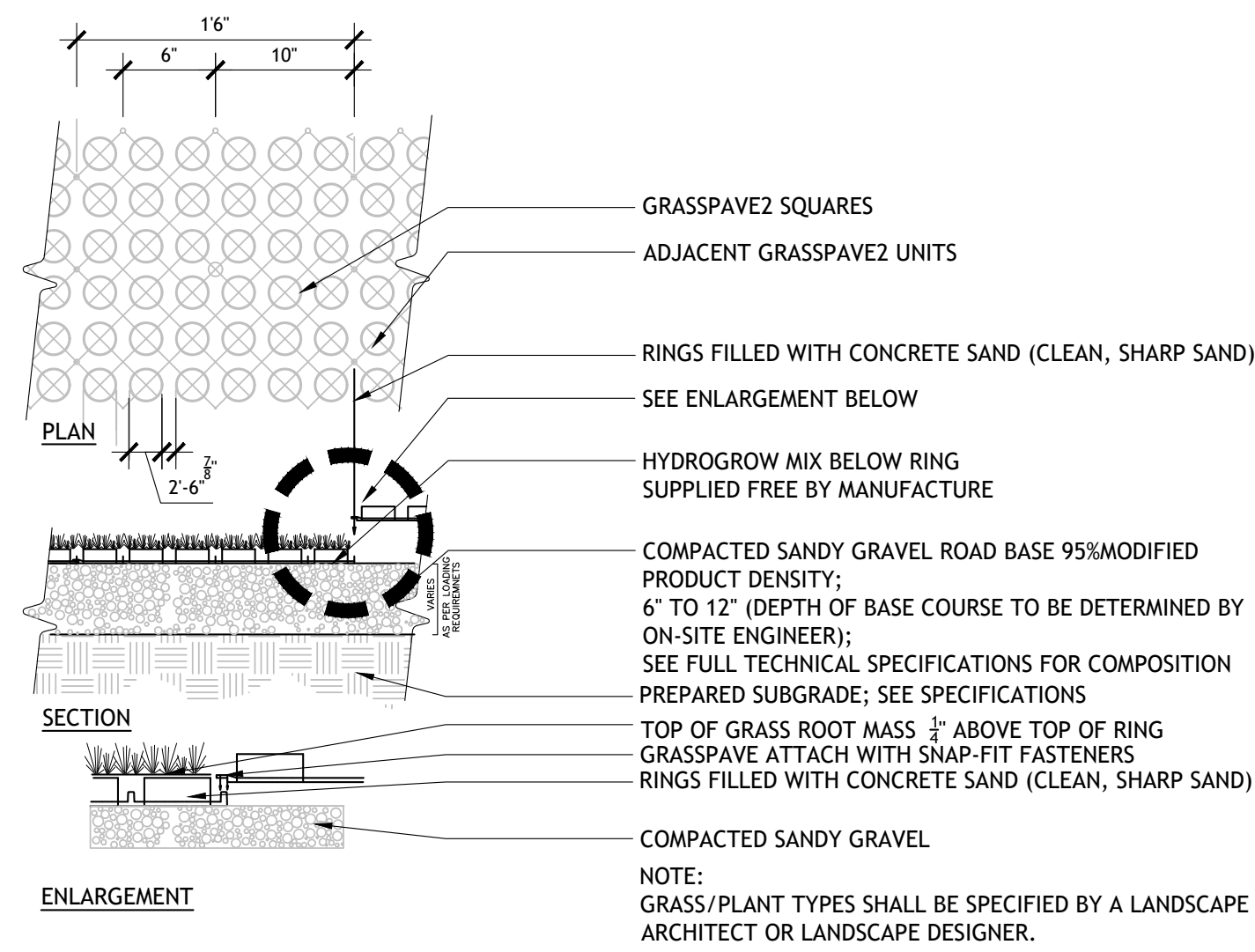
1 SWING TRELLIS FOUNDATION - F1  
1" = 1'-0"



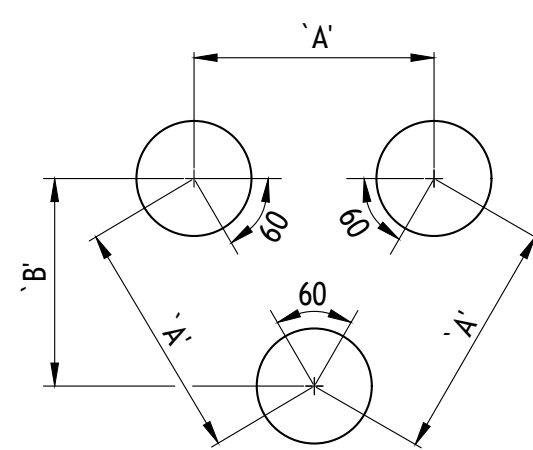
**VT-07** PASSIVE USE LAWN  
1"=1'-0"



**VT-06** HIGH USE TURF  
1"=1'-0"

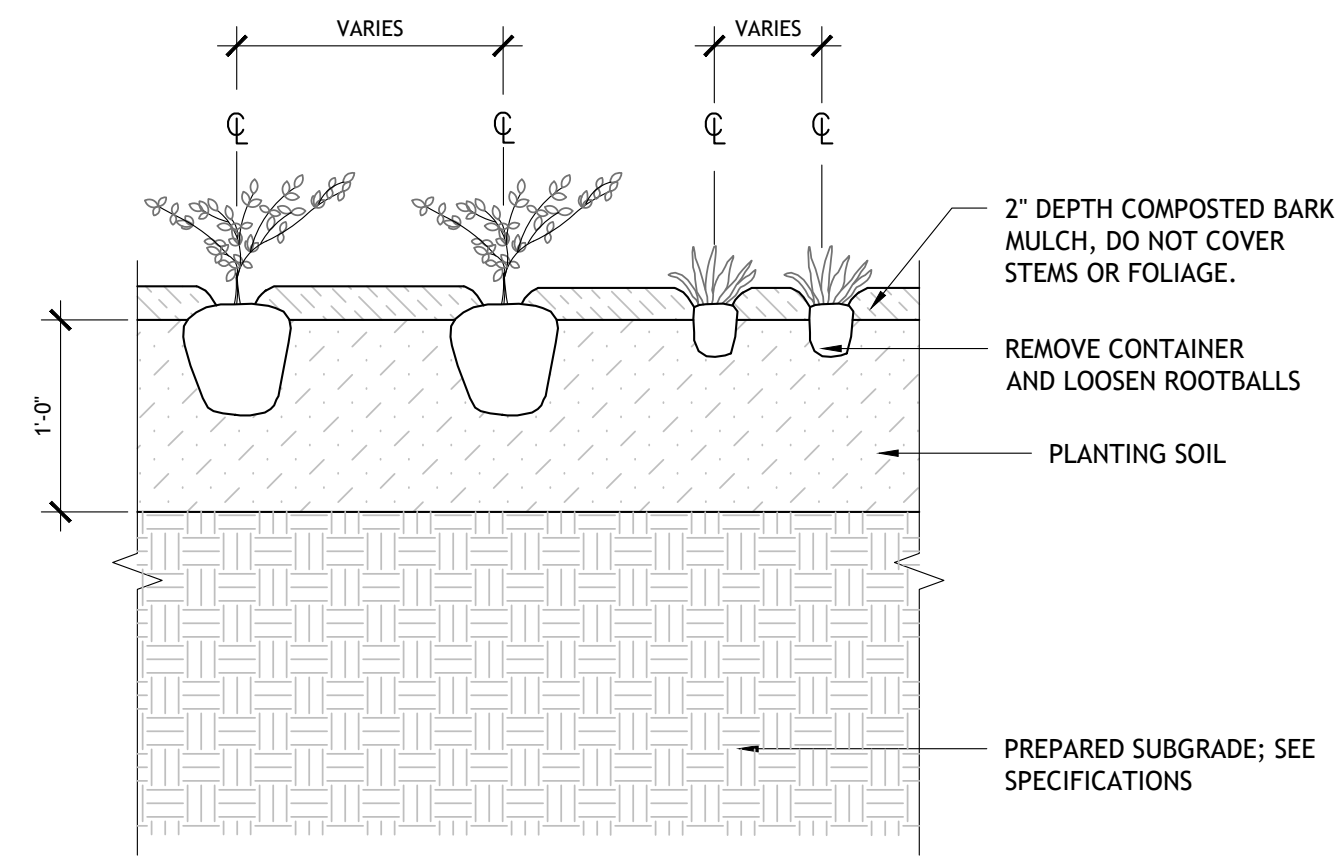


**VT-05** REINFORCED TURF  
1"=1'-0"

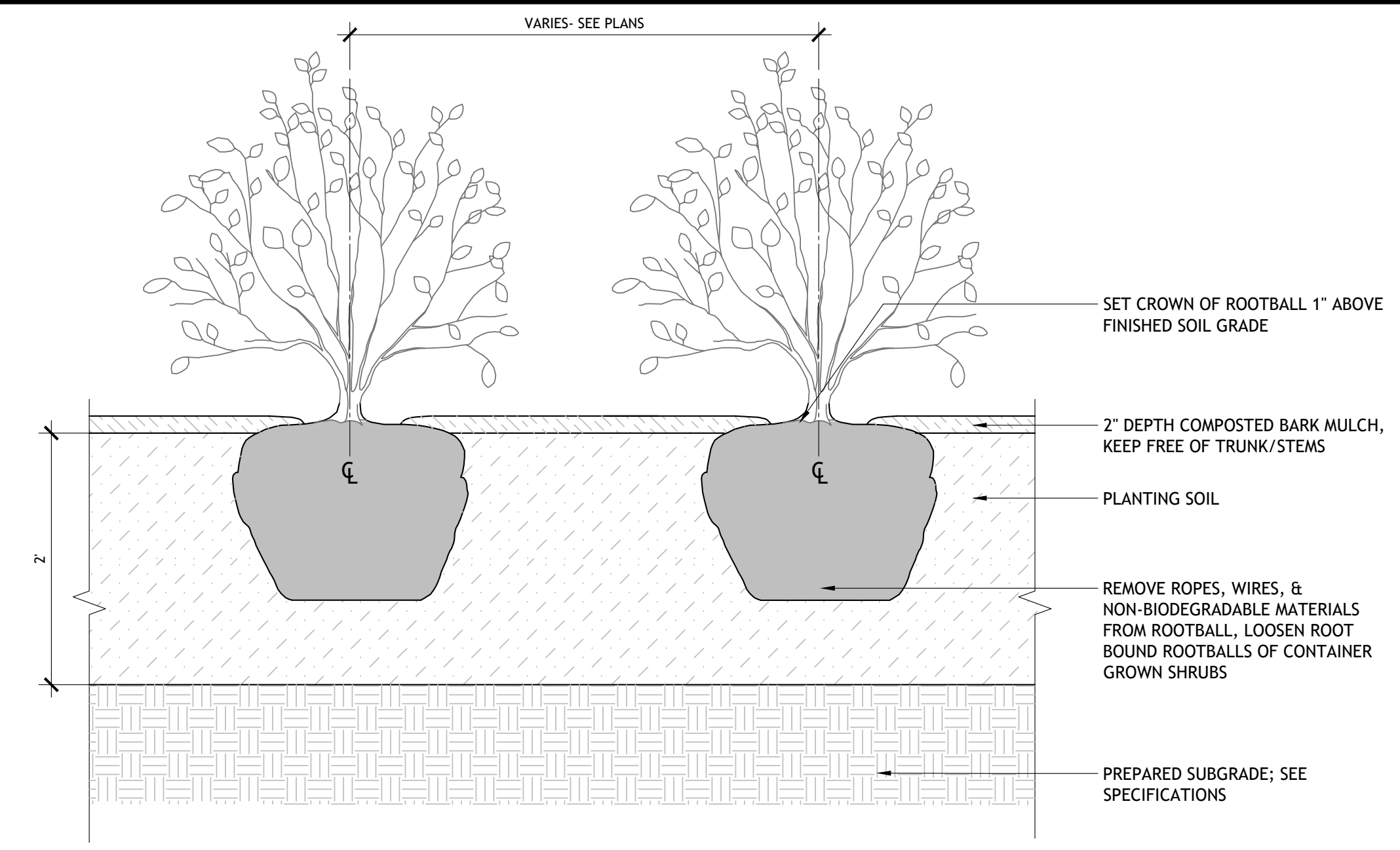


PLANT SPACING ('A')	ROW SPACING ('B')
6 IN. O.C.	5 IN. O.C.
8 IN. O.C.	7 IN. O.C.
10 IN. O.C.	8-1/2 IN. O.C.
12 IN. O.C.	10-1/2 IN. O.C.
15 IN. O.C.	13 IN. O.C.
18 IN. O.C.	16 IN. O.C.
24 IN. O.C.	21 IN. O.C.
30 IN. O.C.	26 IN. O.C.

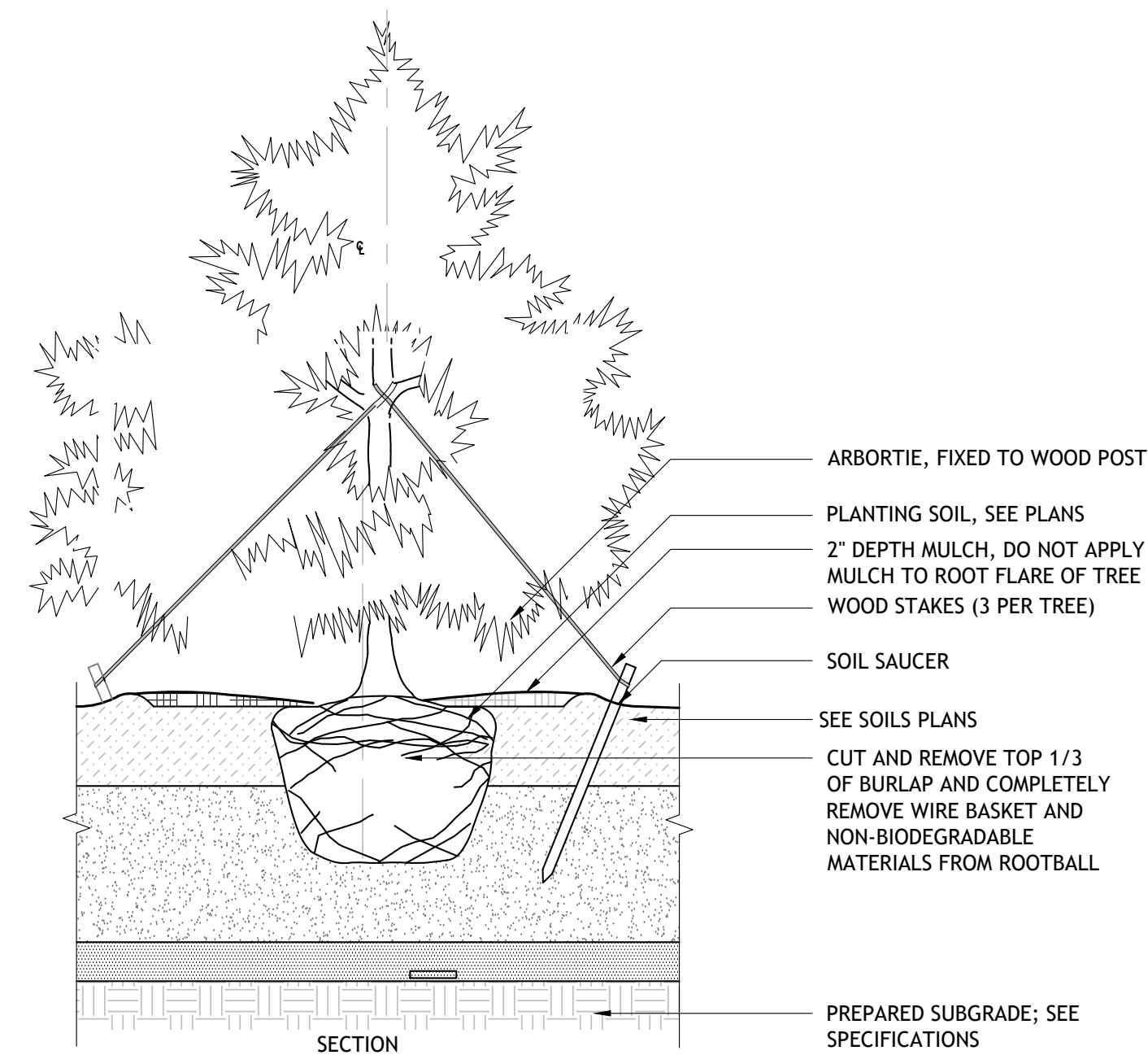
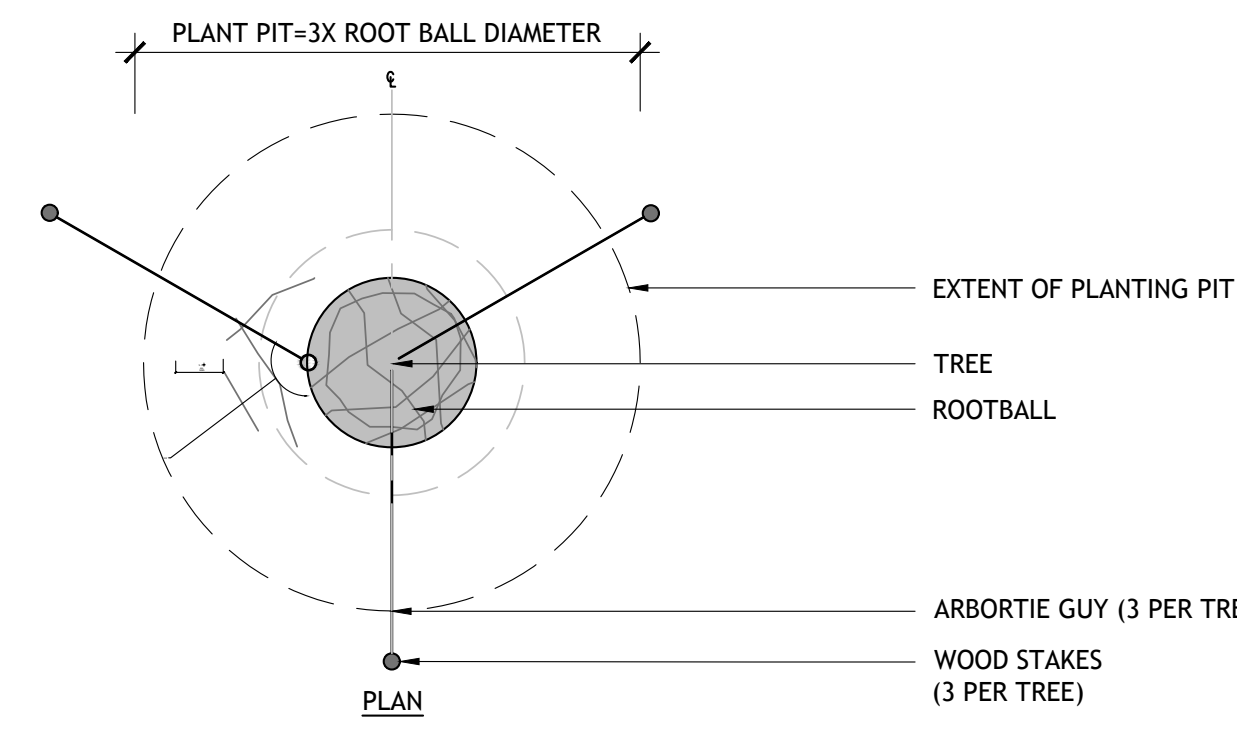
**VT-04** PERENNIAL PLANTING LAYOUT  
1"=1'-0"



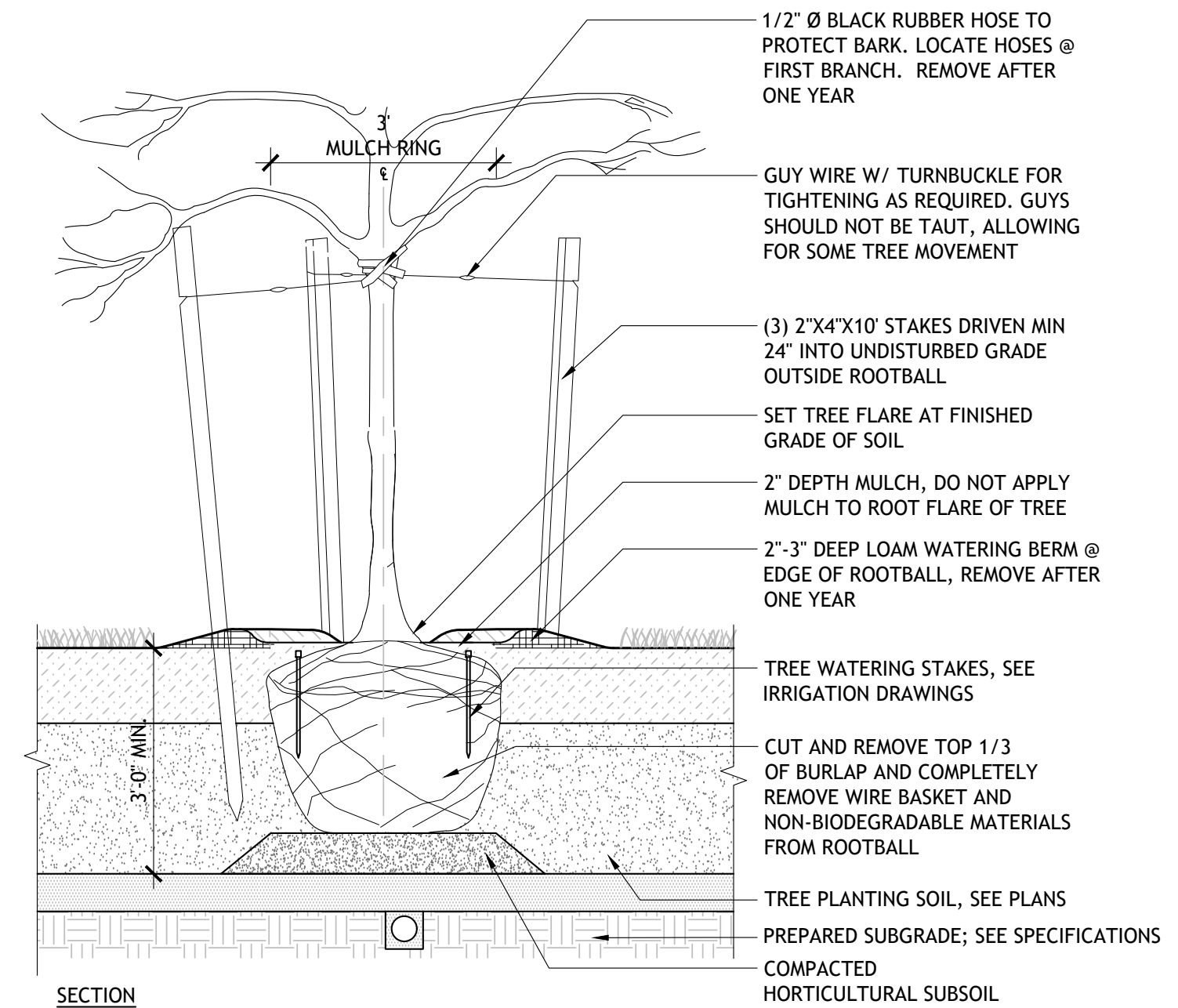
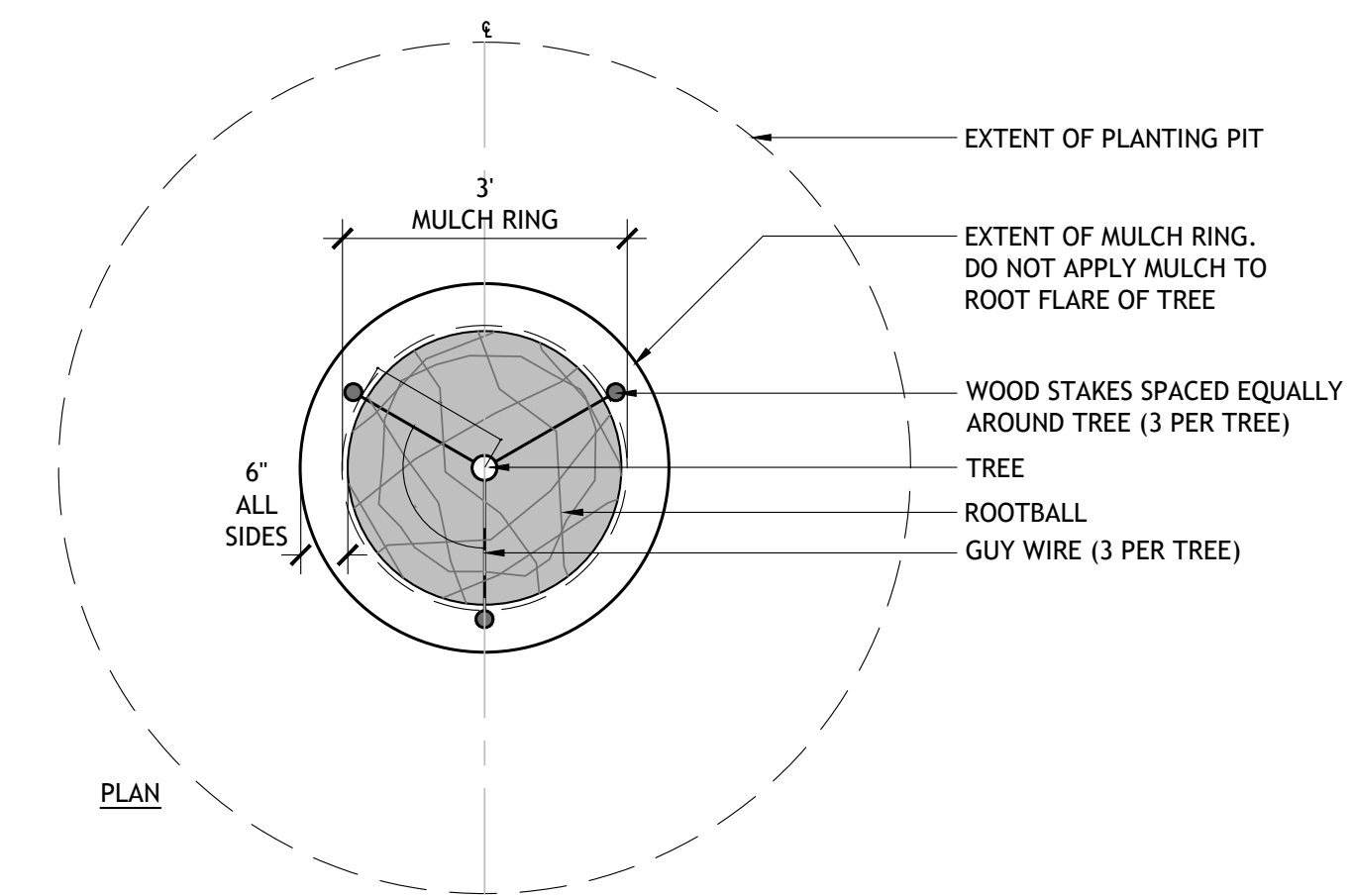
**VT-03** GROUNDCOVER PLANTING  
1"=1'-0"



**VT-02** SHRUB & PERENNIAL PLANTING, TYP.  
1"=1'-0"



**DA-01** CONIFER TREE PLANTING  
1/2"=1'-0"



- NOTE:
1. SET TREE TRUNK PLUMB VERTICAL.
  2. MULCH SHALL NOT COVER BASE OF TREE TRUNK.
  3. PRUNE BROKEN, CROSSING OR RUBBING BRANCHES.
  4. REFER TO SPECIFICATIONS FOR STAKING INFORMATION.

NEW TREE

**VT-00** TREE PLANTING AT PLANTING BED  
1/2"=1'-0"



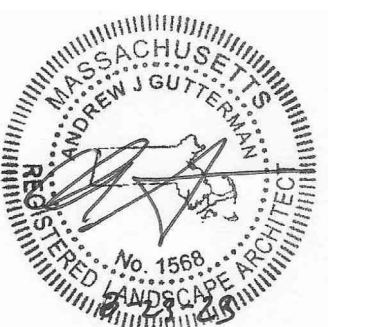
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01	Bulletin 1	08.07.23
	Bid Set	02.01.23

DWG ISSUE & REVISION HISTORY

Stamp



Project Title:

Market Landing Park Expansion  
City of Newburyport  
Newburyport, Massachusetts

Drawing Title:

SITE DETAILS-PLANTING

Project No: 08314.00 Scale: As Noted  
Drawn By: WL  
Checked By: MB  
Approved By: MD  
Date: 02.01.2023

Drawing No:

L6-20

SHEET #1

SHEET #2

**IRRIGATION NOTES**

- SEE IRRIGATION DETAILS AND SPECIFICATIONS SECTION 328000 FOR ADDITIONAL REQUIRED INFORMATION.
- COORDINATE FINAL LOCATION OF ALL DRIP TUBING, SPRINKLERS AND NOZZLE SELECTION W/ FINAL APPROVED LANDSCAPE.
- ALL PIPE AND VALVE LOCATIONS ARE DIAGRAMMATIC, CONTRACTOR SHALL FIELD VERIFY.
- ALL VALVES AND VALVE BOXES SHALL BE PLACED, WHERE POSSIBLE, IN PLANTED AREAS UNDER MULCH.
- INSTALL ALL PIPING AS FAR FROM TREES AND ROOT BALLS AS POSSIBLE WHILE MAINTAINING SPRINKLER SPACING.
- CONTROL WIRE SHALL BE #14 GAUGE DTS FROM DECODERS TO VALVES. TWO-WIRE COMMUNICATION CABLE FROM CONTROLLER TO VALVES SHALL BE POLYETHYLENE DOUBLE JACKETED TWO CONDUCTOR SOLID CORE, DESIGNED FOR DIRECT BURIAL. SUFFICIENT SLACK SHOULD BE LEFT IN COMMUNICATION CABLE AT DECODER LOCATIONS TO BRING DECODERS ABOVE GRADE.
- QUICK COUPLING VALVES SHALL BE INSTALLED ON 1 INCH PVC SWING JOINTS WITH BRASS INSERTS AND STABILIZERS. (SEE DETAIL)
- ALL SPRAY AND ROTARY SPRINKLERS SHALL BE INSTALLED ON SWING PIPE ASSEMBLIES, MIN. LENGTH TO BE 6 INCHES, 18 INCH MAXIMUM. ALL LARGE ROTARY SPRINKLERS SHALL BE INSTALLED ON 1-INCH PVC PREFABRICATED UNITIZED SWING JOINT ASSEMBLIES WITH INTEGRAL O-RINGS.
- IRRIGATION SYSTEM IS DESIGNED FOR SEPARATE WATER SUPPLY TO PROVIDE 60 GPM MAX FROM NEW 2-1/2 INCH SERVICE. SYSTEM TO PRODUCE 60-PSI DYNAMIC PRESSURE AT IRRIGATION CONTRACTORS POINT OF CONNECTION IN LANDSCAPED AREA.

BASE BID WATERFRONT PARK EAST + CULVERT CONNECTION TO EXISTING

BASE BID WATERFRONT PARK WEST

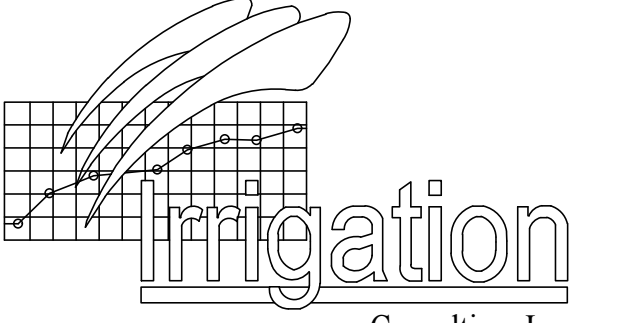
**IRRIGATION NOTES CONTINUED**

- CONTRACTOR SHALL TEST DYNAMIC PRESSURE BEFORE STARTING WORK, REPORT ANY DEVIATION FROM PRESSURE REQUIRED TO OWNER'S REP. BEFORE CONTINUING.
- INSTALL CONTROLLER IN ENCLOSURE, GENERALLY WHERE SHOWN ON THE DRAWINGS, HARD WIRE TO 120 VOLT, DEDICATED 20 AMP CIRCUIT, POWER SUPPLY USING LICENSED ELECTRICIAN. ROUTE ALL ZONE AND SPARE WIRES TO CONTROLLER VIA CONDUIT THROUGH ENCLOSURE BASE.
- INSTALL RAIN SENSOR ON EXTERIOR BUILDING WALL WHERE DIRECTED BY OWNER'S REP. EXTERIOR RAIN SENSOR WIRING SHALL BE CONTAINED IN 1/2 INCH CONDUIT, SECURED TO OUTSIDE OF BUILDING WALL.
- ALL ABOVE GROUND WIRING, INSIDE AND OUTSIDE OF BUILDING, SHALL BE INSTALLED IN RIGID CONDUIT FOR VANDALISM PROTECTION.
- COORDINATE LOCATION OF ALL EXISTING AND FUTURE UTILITIES ON SITE AND CONTACT PROPER AUTHORITIES AND UTILITY COMPANIES BEFORE THE START OF WORK.
- SPRAY SPRINKLERS FOR TURF SHALL HAVE 6 INCH POP UP HEIGHT, GROUND COVER SPRINKLERS SHALL HAVE 12 INCH POP UP HEIGHT.
- CONTRACTOR MUST SUBMIT SHOP DRAWINGS AS PER THE WRITTEN SPECIFICATIONS TO THE OWNER'S REPRESENTATIVE FOR APPROVAL PRIOR TO ORDERING MATERIAL AND BEGINNING WORK.
- ANY AND ALL MATERIAL SUBSTITUTIONS WHICH VARY FROM THE SPECIFIED PRODUCTS MUST BE SUBMITTED TO THE OWNER'S REPRESENTATIVE FOR APPROVAL AS PART OF THE SUBMITTAL PROCESS.
- ONCE APPROVED SUBMITTALS HAVE BEEN RETURNED TO THE CONTRACTOR, WORK MAY BEGIN. THE OWNER'S REPRESENTATIVE MUST BE NOTIFIED A MINIMUM OF 7-DAYS IN ADVANCE OF THE START OF WORK TO COORDINATE ON-SITE SUPERVISION AND ADMINISTRATION.



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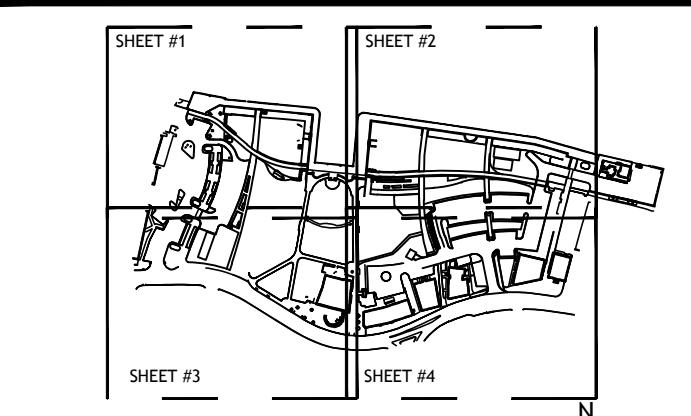
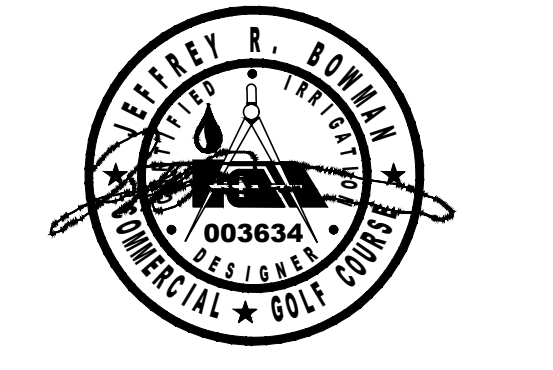
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02	Addendum 4	05.15.23
01	Bulletin 1	08.07.23
	Bid Set	02.01.23

DWG ISSUE & REVISION HISTORY

Stamp



Project Title:

**Market Landing Park Expansion**  
City of Newburyport  
Newburyport, Massachusetts

Drawing Title:  
**IRRIGATION PLAN + KEYPLAN**

Project No: 08314.00 Scale: 1"=40'  
Drawn By: CB  
Checked By: JB  
Approved By: JB  
Date: 02.01.2023

Drawing No: **11-00**

SHEET #3

SHEET #4

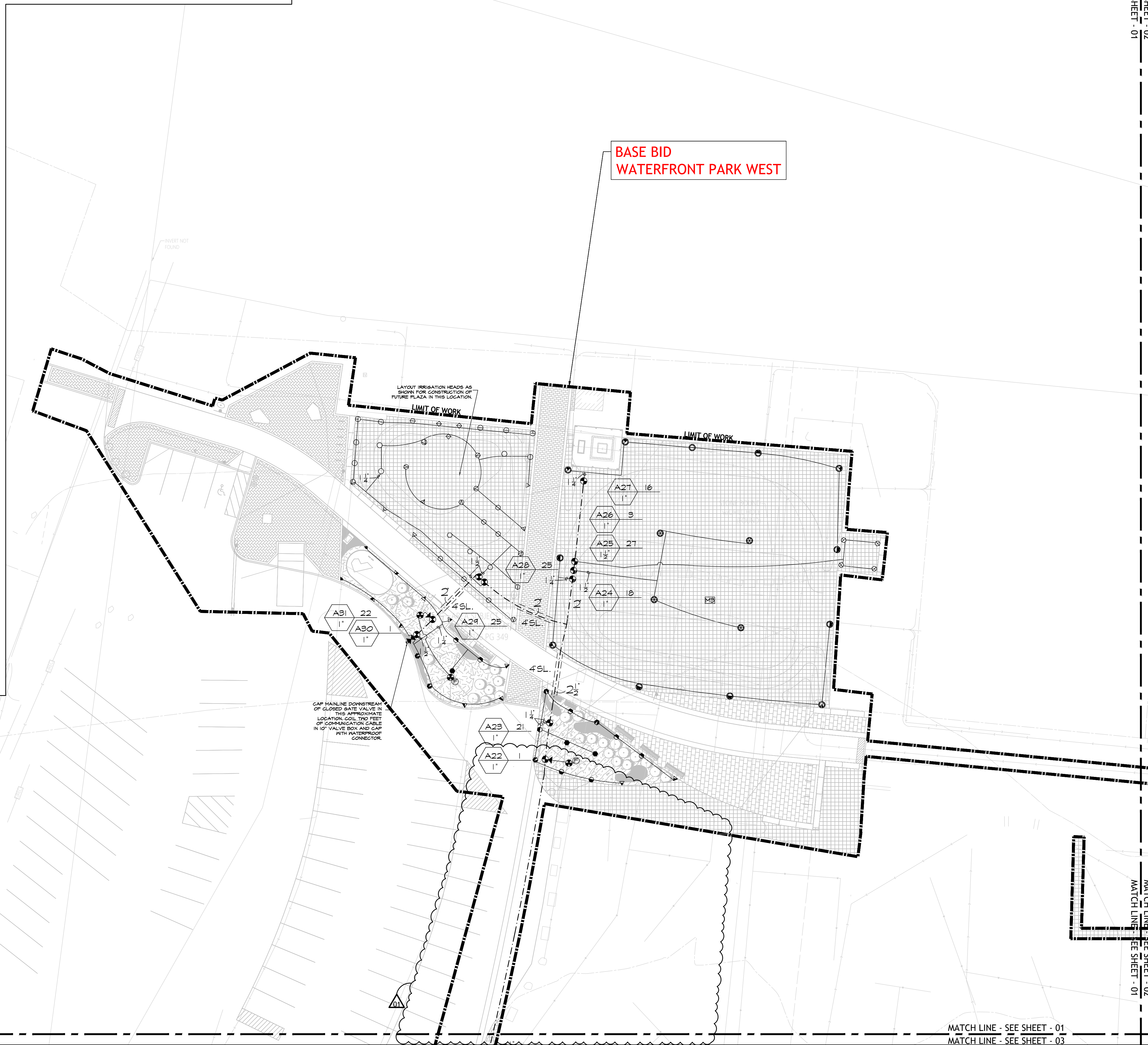
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IRRIGATION LEGEND			
SYMBOL	PSI	SPACING	DESCRIPTION
	60	45'	LARGE ROTARY SPRINKLER WITH CHECK VALVE (STANDARD NOZZLES)
	50	35'	SMALL ROTARY SPRINKLER WITH CHECK VALVE (STANDARD NOZZLES)
	50	25'	
	30	15'	6-INCH POP UP SPRAY SPRINKLER W/ CHECK VALVE AND PRESS. REG.
	30	12'	
	30	10'	
	30	8'	
	30	5'	
	30	4x30'	IN-LINE EMITTER DRIP TUBING
	30	4x15'	
	30	15'	12-INCH POP UP SPRAY SPRINKLER W/ CHECK VALVE AND PRESS. REG.
	30	12'	
	30	10'	
	30	8'	
	30	5'	
	30	4x30'	IN-LINE EMITTER DRIP TUBING
	30	4x15'	
	45	12"x18"	0.9 GPH 12" EMITTER SPACING DRIP TUBE RING PLACED 2 - 4 INCHES FROM ROOT BALL EDGE AND OVER ROOTBALL, USE WITH DEEP DRIP STAKES. CONNECT STAKE DISTRIBUTION TUBING TO A POINT SOURCE EMITTER AND A SELF PIERCING BARBED TRANSFER FITTING (SEE DETAIL SHEET FOR ADDITIONAL INFORMATION).
	24 VOLT ELECTRIC ZONE VALVE (SEE VALVE DESIGNATOR FOR FLOW AND SIZES)		
	ISOLATION GATE VALVE (2-1/2 INCH AND SMALLER)		
	1" QUICK COUPLING VALVE		
	AUTOMATIC FLUSHING VALVE		
	CLASS-200 PVC LATERAL PIPING (SIZE AS INDICATED, ALL UNLABELED PIPE TO BE 1 INCH)		
	CLASS-200 PVC MAINLINE PIPING		
	CLASS-200 PVC MAINLINE PIPING (WATERFRONT TRUST)		
	CLASS-160 PVC PIPE SLEEVE (SIZE AS INDICATED)		
	INSTALL SCH-40 PVC WIRE CONDUIT ADJACENT TO ALL MAINLINE PIPE SLEEVES, MINIMUM WIRE CONDUIT SIZE TO BE 2-INCH, UNLESS OTHERWISE NOTED. SEE SLEEVING DETAIL.		
	AUTOMATIC RAIN SENSOR		
	MOISTURE SENSOR		
	AUTOMATIC CONTROLLER		
	IRRIGATION WATER METER		
	BACK FLOW PREVENTION DEVICE IN ENCLOSURE		
	MASTER VALVE AND FLOW SENSOR		
	LIMIT OF WORK		
VALVE DESIGNATION:			
	STATION NO.		
	FLOW		
	VALVE SIZE		

LATERAL PIPE SCHEDULE	
FLOW	PIPE SIZE / TYPE
0-12 GPM	1 INCH 100 PSI POLYETHYLENE OR CLASS-200 PVC
12-22 GPM	1-1/4 INCH 100 PSI POLYETHYLENE OR CLASS-200 PVC
23-35 GPM	1-1/2 INCH CLASS-200 PVC
36-55 GPM	2 INCH CLASS-200 PVC
56-85 GPM	2-1/2 INCH CLASS-200 PVC
86-120 GPM	3 INCH CLASS-200 PVC

SEE KEYPLAN FOR IRRIGATION NOTES



MATCH LINE - SEE SHEET - 02  
MATCH LINE - SEE SHEET - 01

MATCH LINE - SEE SHEET - 02  
MATCH LINE - SEE SHEET - 01



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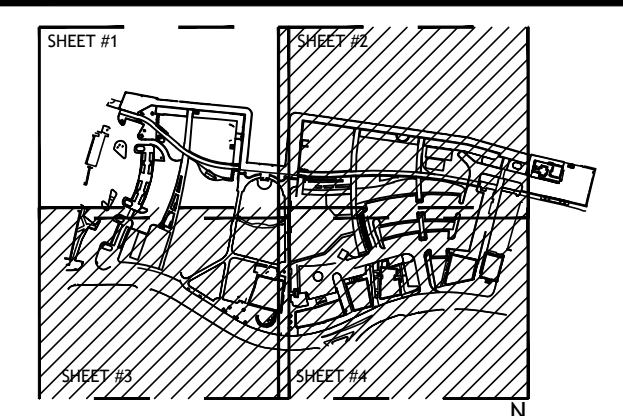
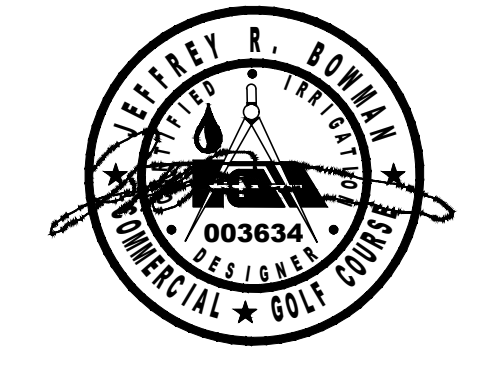
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NO.	DESCRIPTION	DATE
02	Addendum 4	05.15.23
01	Bulletin 1	08.07.23
	Bid Set	02.01.23

DWG ISSUE & REVISION HISTORY

Stamp



Project Title:

Market Landing Park Expansion  
City of Newburyport  
Newburyport, Massachusetts

Drawing Title:  
**IRRIGATION PLAN**

Project No: 08314.00 Scale: 1"=20'  
Drawn By: CB  
Checked By: JB  
Approved By: JB  
Date: 02.01.2023

Drawing No: **11-01**

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MATCH LINE - SEE SHEET - 01  
MATCH LINE - SEE SHEET - 03

MATCH LINE - SEE SHEET - 01  
MATCH LINE - SEE SHEET - 03



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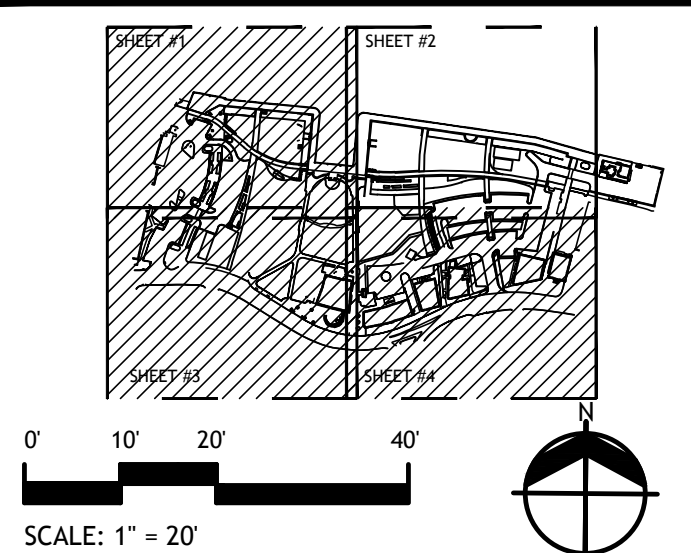


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02	Addendum 4	05.15.23
01	Bulletin 1	08.07.23
	Bid Set	02.01.23

DWG ISSUE & REVISION HISTORY



Project Title:  
**Market Landing Park Expansion**  
City of Newburyport  
Newburyport, Massachusetts

Drawing Title:  
**IRRIGATION PLAN**

Project No: 08314.00 Scale: 1"=20'  
Drawn By: CB  
Checked By: JB  
Approved By: JB  
Date: 02.01.2023

Drawing No: **11-02**

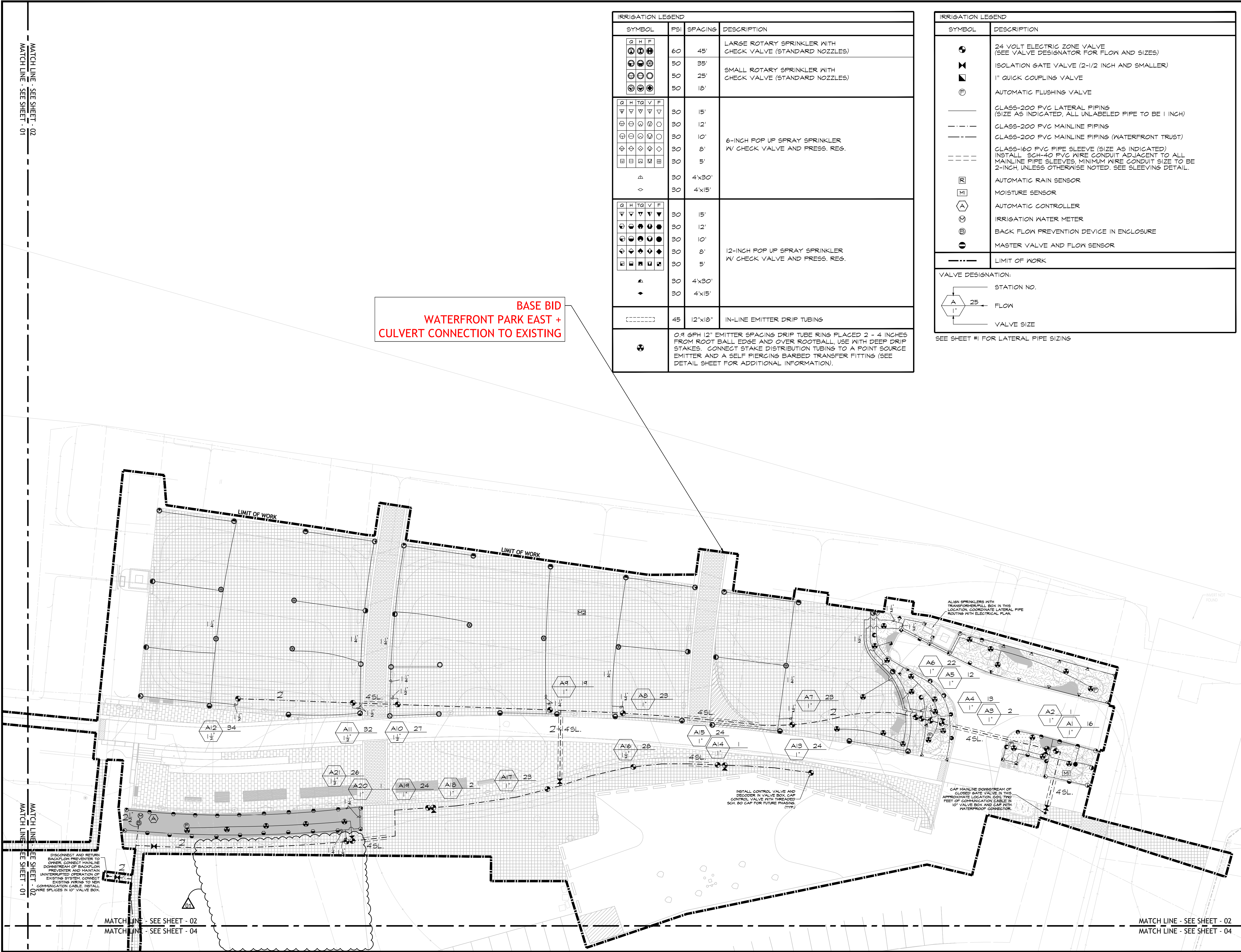
IRRIGATION LEGEND			
SYMBOL	PSI	SPACING	DESCRIPTION
	60	45'	LARGE ROTARY SPRINKLER WITH CHECK VALVE (STANDARD NOZZLES)
	50	35'	SMALL ROTARY SPRINKLER WITH CHECK VALVE (STANDARD NOZZLES)
	50	25'	
	50	18'	
	30	15'	6-INCH POP UP SPRAY SPRINKLER W/ CHECK VALVE AND PRESS. REG.
	30	12'	
	30	10'	
	30	8'	
	30	5'	
	30	4x30'	12-INCH POP UP SPRAY SPRINKLER W/ CHECK VALVE AND PRESS. REG.
	30	4x15'	
	45	12"x18"	IN-LINE EMITTER DRIP TUBING
	0.9 GPH 12" EMITTER SPACING DRIP TUBE RING PLACED 2 - 4 INCHES FROM ROOT BALL EDGE AND OVER ROOTBALL, USE WITH DEEP DRIP STAKES. CONNECT STAKE DISTRIBUTION TUBING TO A POINT SOURCE EMITTER AND A SELF PIERCING BARBED TRANSFER FITTING (SEE DETAIL SHEET FOR ADDITIONAL INFORMATION).		

IRRIGATION LEGEND	
SYMBOL	DESCRIPTION
	24 VOLT ELECTRIC ZONE VALVE (SEE VALVE DESIGNATOR FOR FLOW AND SIZES)
	ISOLATION GATE VALVE (2-1/2 INCH AND SMALLER)
	1" QUICK COUPLING VALVE
	AUTOMATIC FLUSHING VALVE
	GLASS-200 PVC LATERAL PIPING (SIZE AS INDICATED, ALL UNLABELED PIPE TO BE 1 INCH)
	GLASS-200 PVC MAINLINE PIPING
	GLASS-200 PVC MAINLINE PIPING (WATERFRONT TRUST)
	GLASS-160 PVC PIPE SLEEVE (SIZE AS INDICATED) INSTALL 5/8-40 PVC WIRE CONDUIT ADJACENT TO ALL MAINLINE PIPE SLEEVES, MINIMUM WIRE CONDUIT SIZE TO BE 2-INCH, UNLESS OTHERWISE NOTED. SEE SLEEVING DETAIL.
	AUTOMATIC RAIN SENSOR
	MOISTURE SENSOR
	AUTOMATIC CONTROLLER
	IRRIGATION WATER METER
	BACK FLOW PREVENTION DEVICE IN ENCLOSURE
	MASTER VALVE AND FLOW SENSOR
	LIMIT OF WORK

VALVE DESIGNATION:  
 STATION NO.  
 FLOW  
 VALVE SIZE

SEE SHEET #1 FOR LATERAL PIPE SIZING

**BASE BID WATERFRONT PARK EAST + CULVERT CONNECTION TO EXISTING**



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MATCH LINE - SEE SHEET - 01

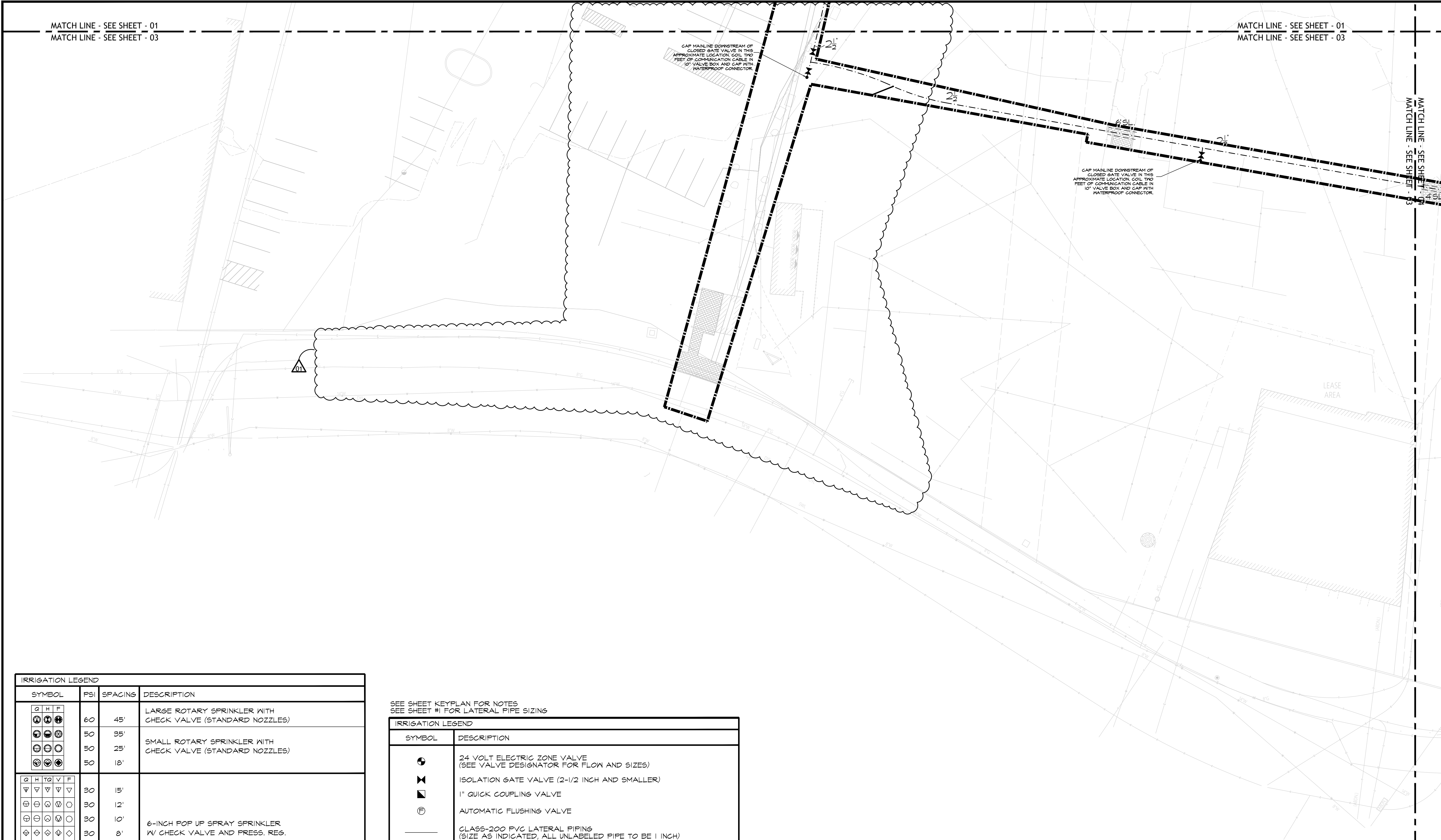
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MATCH LINE - SEE SHEET - 02  
MATCH LINE - SEE SHEET - 04

MATCH LINE - SEE SHEET - 02  
MATCH LINE - SEE SHEET - 04

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MATCH LINE - SEE SHEET - 03

MATCH LINE - SEE SHEET - 01  
MATCH LINE - SEE SHEET - 03



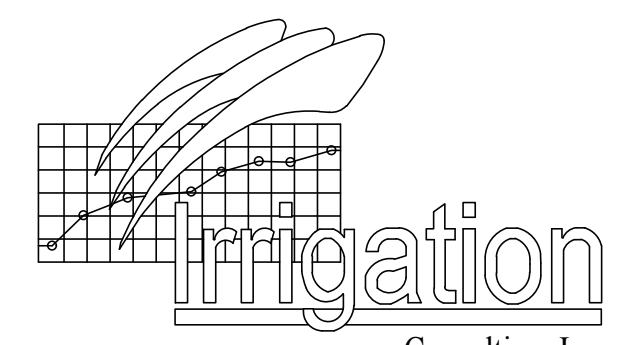
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MATCH LINE - SEE SHEET - 03



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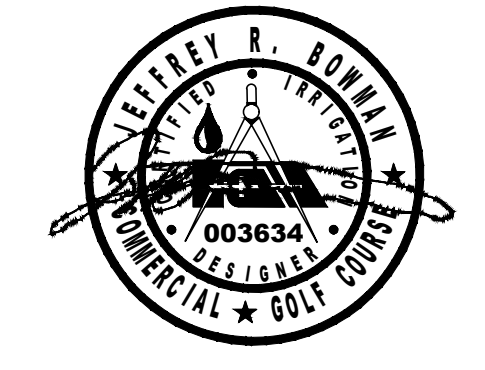
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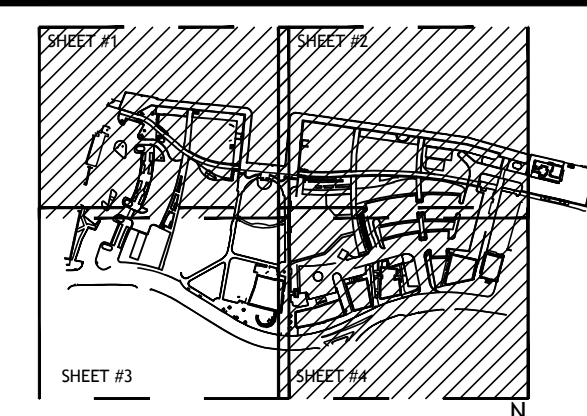
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01	Bulletin 1	08.07.23
	Bid Set	02.01.23

DWG ISSUE & REVISION HISTORY

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SEE SHEET #1 FOR LATERAL PIPE SIZING  
SEE SHEET #2 FOR IRRIGATION NOTES



SCALE: 1" = 20'

Project Title:

**Market Landing Park Expansion**  
City of Newburyport  
Newburyport, Massachusetts

Drawing Title:

**IRRIGATION PLAN**

Project No: 08314.00 Scale: 1"=20'  
Drawn By: CB  
Checked By: JB  
Approved By: JB  
Date: 02.01.2023

Drawing No:

**11-03**

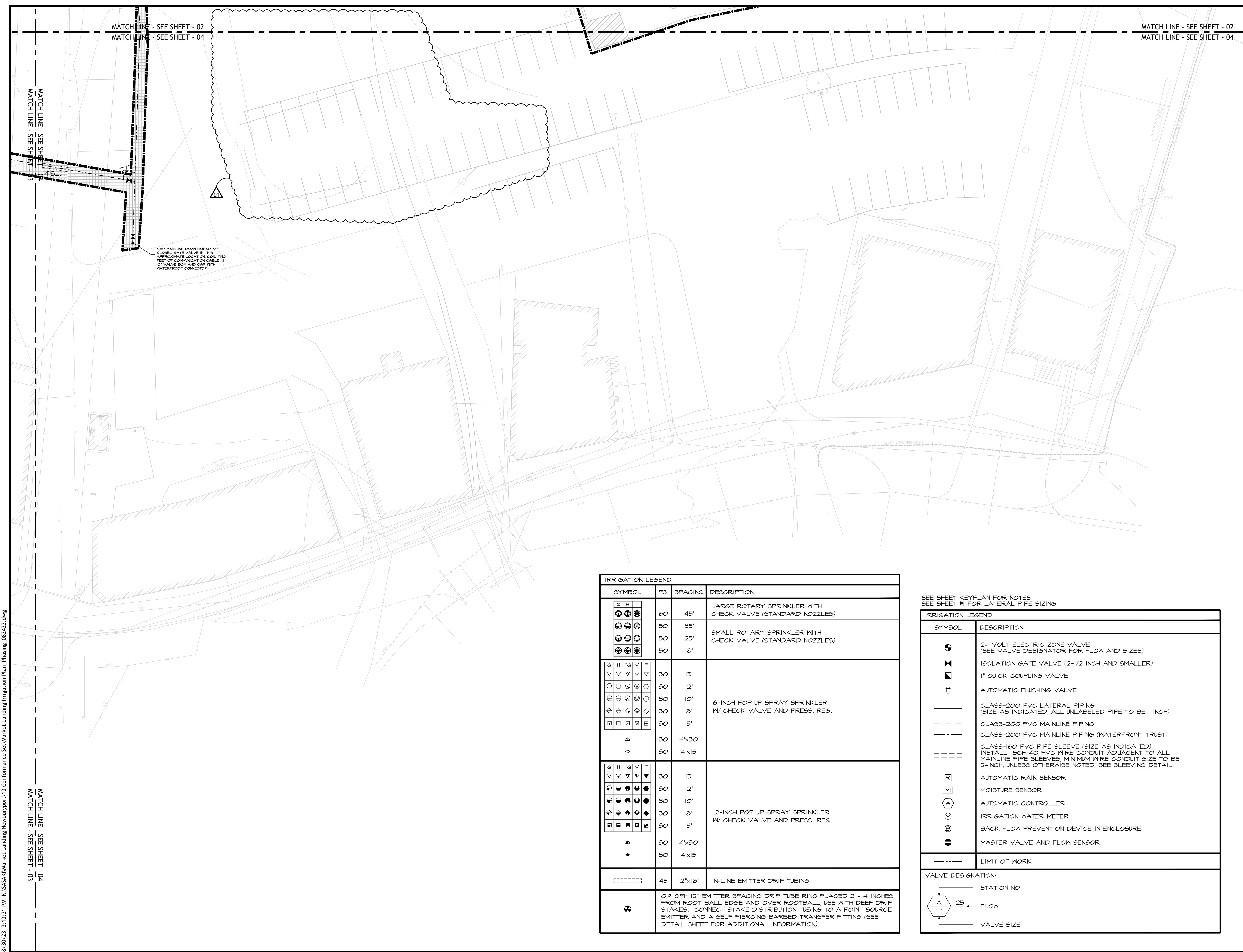
IRRIGATION LEGEND		
SYMBOL	PSI	SPACING
	60	45'
	50	35'
	50	25'
	50	18'
	30	15'
	30	12'
	30	10'
	30	8'
	30	5'
	30	4x30'
	30	4x15'
	30	15'
	30	12'
	30	10'
	30	8'
	30	5'
	30	4x30'
	30	4x15'
	45	12"x18"

SEE SHEET KEYPLAN FOR NOTES  
SEE SHEET #1 FOR LATERAL PIPE SIZING

IRRIGATION LEGEND	
SYMBOL	DESCRIPTION
	24 VOLT ELECTRIC ZONE VALVE (SEE VALVE DESIGNATOR FOR FLOW AND SIZES)
	ISOLATION GATE VALVE (2-1/2 INCH AND SMALLER)
	1" QUICK COUPLING VALVE
	AUTOMATIC FLUSHING VALVE
	CLASS-200 PVC LATERAL PIPING (SIZE AS INDICATED, ALL UNLABELED PIPE TO BE 1 INCH)
	CLASS-200 PVC MAINLINE PIPING
	CLASS-200 PVC MAINLINE PIPING (WATERFRONT TRUST)
	CLASS-160 PVC PIPE SLEEVE (SIZE AS INDICATED)
	INSTALL SCH-40 PVC WIRE CONDUIT ADJACENT TO ALL MAINLINE PIPE SLEEVES, MINIMUM WIRE CONDUIT SIZE TO BE 2-INCH, UNLESS OTHERWISE NOTED. SEE SLEEVING DETAIL.
	AUTOMATIC RAIN SENSOR
	MOISTURE SENSOR
	AUTOMATIC CONTROLLER
	IRRIGATION WATER METER
	BACK FLOW PREVENTION DEVICE IN ENCLOSURE
	MASTER VALVE AND FLOW SENSOR
	LIMIT OF WORK
VALVE DESIGNATION:	
	STATION NO.
	FLOW
	VALVE SIZE

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MATCH LINE - SEE SHEET - 04

MATCH LINE - SEE SHEET - 02  
MATCH LINE - SEE SHEET - 04

MATCH LINE - SEE SHEET - 03

MATCH LINE - SEE SHEET - 04  
MATCH LINE - SEE SHEET - 03

CAP MAINLINE DOWNSTREAM OF CLOSED GATE VALVE IN THIS APPROXIMATE LOCATION COIL TWO FEET OF COMMUNICATION CABLE IN 10' VALVE BOX AND CAP WITH WATERPROOF CONNECTOR

IRRIGATION LEGEND			
SYMBOL	PSI	SPACING	DESCRIPTION
	60	45'	LARGE ROTARY SPRINKLER WITH CHECK VALVE (STANDARD NOZZLES)
	50	35'	SMALL ROTARY SPRINKLER WITH CHECK VALVE (STANDARD NOZZLES)
	50	25'	
	50	18'	
	30	15'	6-INCH POP UP SPRAY SPRINKLER W/ CHECK VALVE AND PRESS. REG.
	30	12'	
	30	10'	
	30	8'	
	30	5'	
	30	4'x30'	
	30	4'x15'	
	30	15'	12-INCH POP UP SPRAY SPRINKLER W/ CHECK VALVE AND PRESS. REG.
	30	12'	
	30	10'	
	30	8'	
	30	5'	
	30	4'x30'	
	30	4'x15'	
	45	12"x18"	IN-LINE EMITTER DRIP TUBING
	0.9 GPH 12" EMITTER SPACING DRIP TUBE RING PLACED 2 - 4 INCHES FROM ROOT BALL EDGE AND OVER ROOTBALL, USE WITH DEEP DRIP STAKES. CONNECT STAKE DISTRIBUTION TUBING TO A POINT SOURCE EMITTER AND A SELF PIERCING BARBED TRANSFER FITTING (SEE DETAIL SHEET FOR ADDITIONAL INFORMATION).		

SEE SHEET KEYPLAN FOR NOTES  
SEE SHEET #1 FOR LATERAL PIPE SIZING

IRRIGATION LEGEND	
SYMBOL	DESCRIPTION
	24 VOLT ELECTRIC ZONE VALVE (SEE VALVE DESIGNATOR FOR FLOW AND SIZES)
	ISOLATION GATE VALVE (2-1/2 INCH AND SMALLER)
	1" QUICK COUPLING VALVE
	AUTOMATIC FLUSHING VALVE
	CLASS-200 PVC LATERAL PIPING (SIZE AS INDICATED, ALL UNLABELED PIPE TO BE 1 INCH)
	CLASS-200 PVC MAINLINE PIPING
	CLASS-200 PVC MAINLINE PIPING (WATERFRONT TRUST)
	CLASS-160 PVC PIPE SLEEVE (SIZE AS INDICATED)
	INSTALL SCH-40 PVC WIRE CONDUIT ADJACENT TO ALL MAINLINE PIPE SLEEVES, MINIMUM WIRE CONDUIT SIZE TO BE 2-INCH, UNLESS OTHERWISE NOTED. SEE SLEEVING DETAIL.
	AUTOMATIC RAIN SENSOR
	MOISTURE SENSOR
	AUTOMATIC CONTROLLER
	IRRIGATION WATER METER
	BACK FLOW PREVENTION DEVICE IN ENCLOSURE
	MASTER VALVE AND FLOW SENSOR
	LIMIT OF WORK
VALVE DESIGNATION:	
	STATION NO.
	FLOW
	VALVE SIZE



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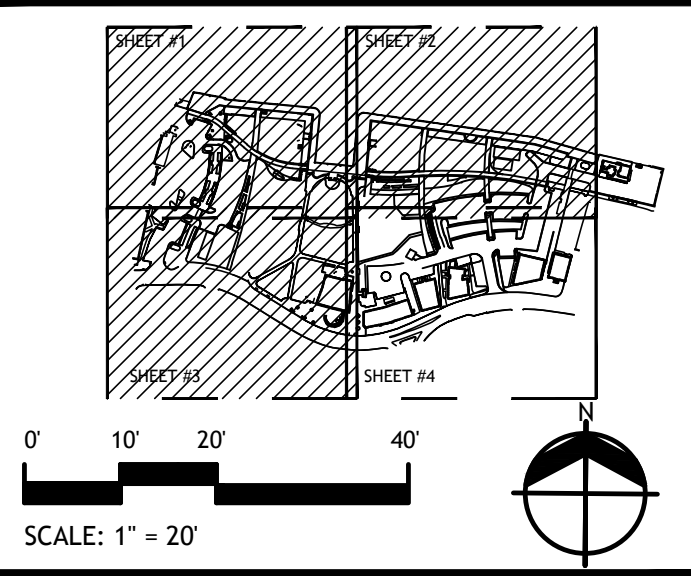
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02	Addendum 4	05.15.23
01	Bulletin 1	08.07.23
	Bid Set	02.01.23

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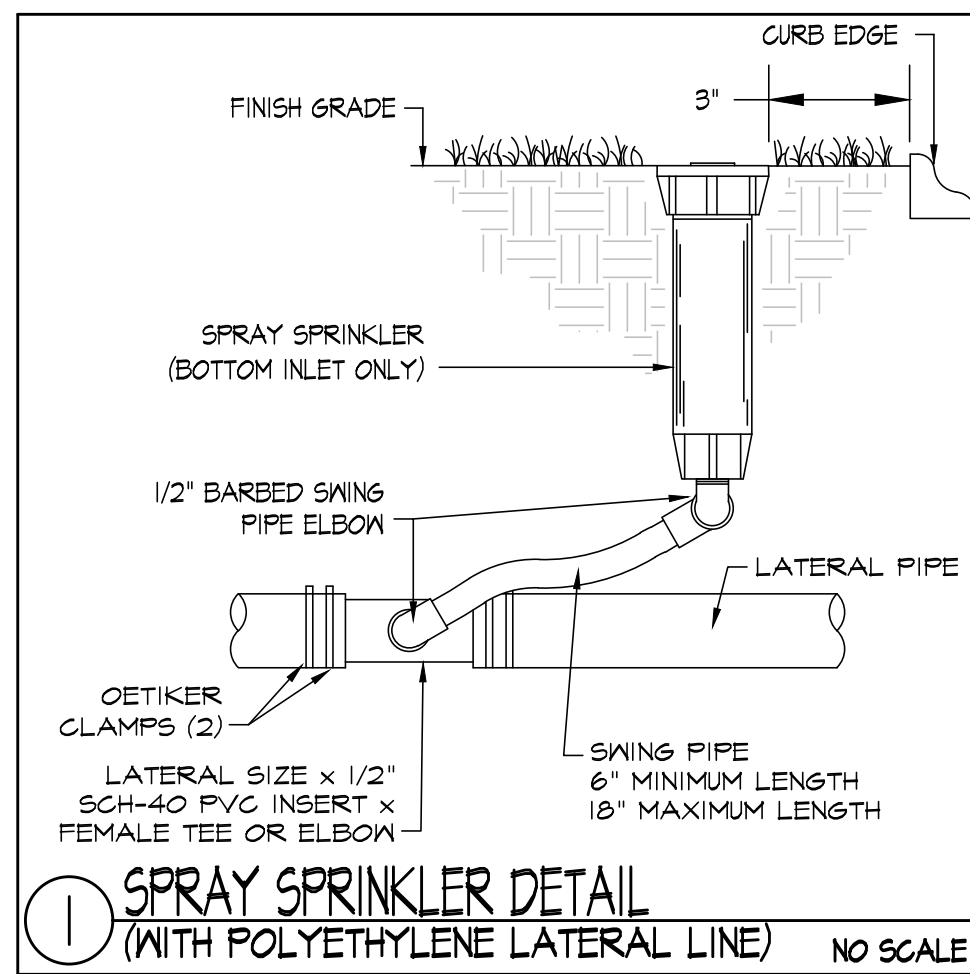
Project Title:

**Market Landing Park Expansion**  
City of Newburyport  
Newburyport, Massachusetts

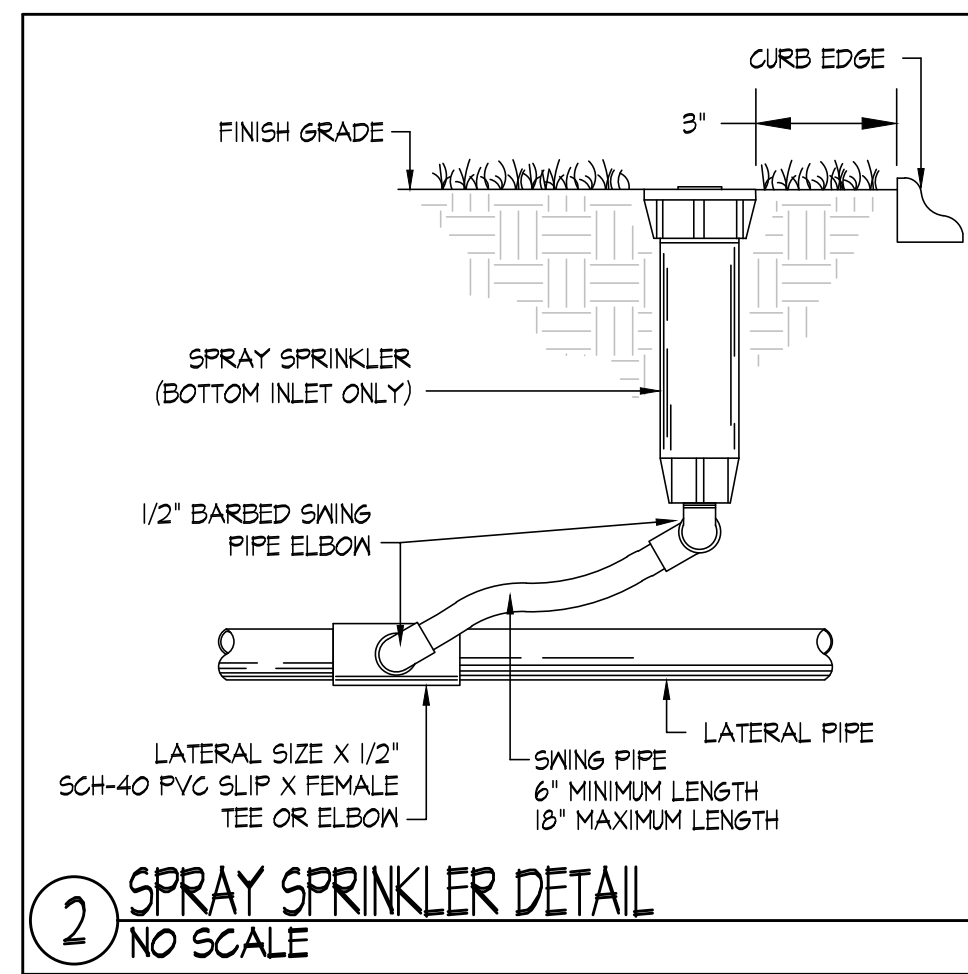
Drawing Title:  
**IRRIGATION PLAN**

Project No: 08314.00 Scale: 1"=20'  
Drawn By: CB  
Checked By: JB  
Approved By: JB  
Date: 02.01.2023

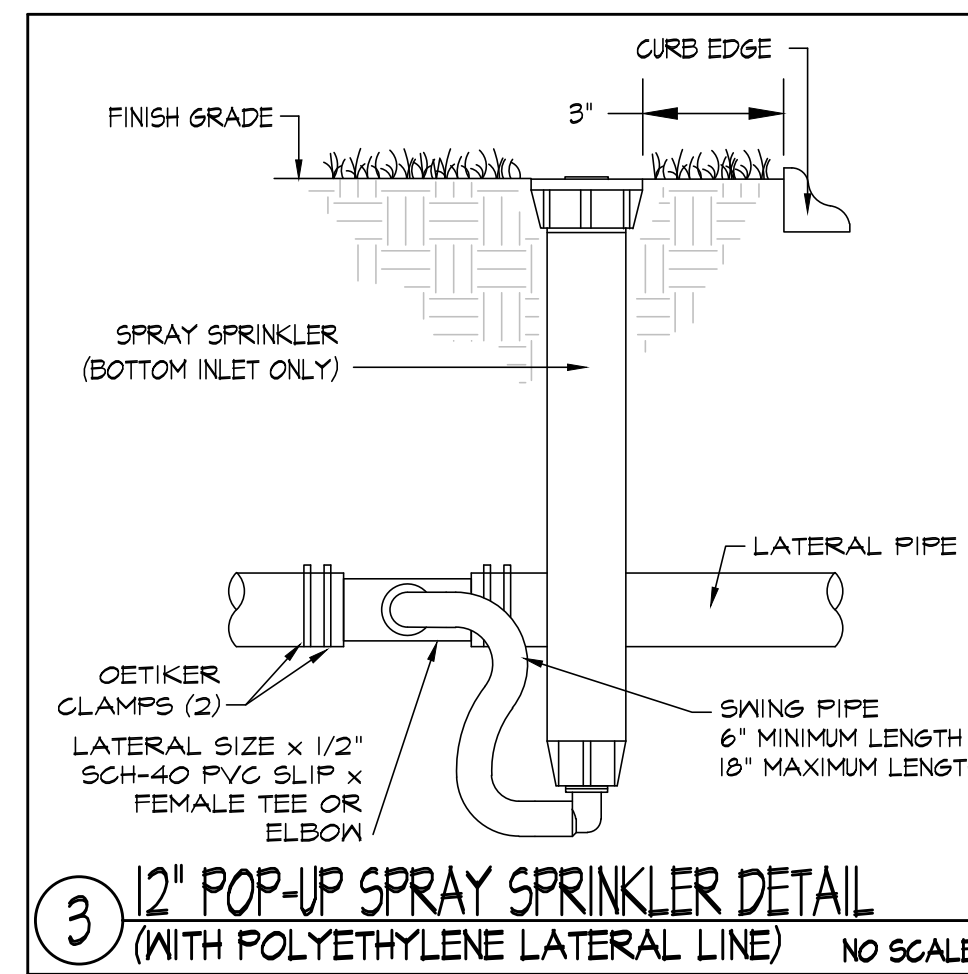
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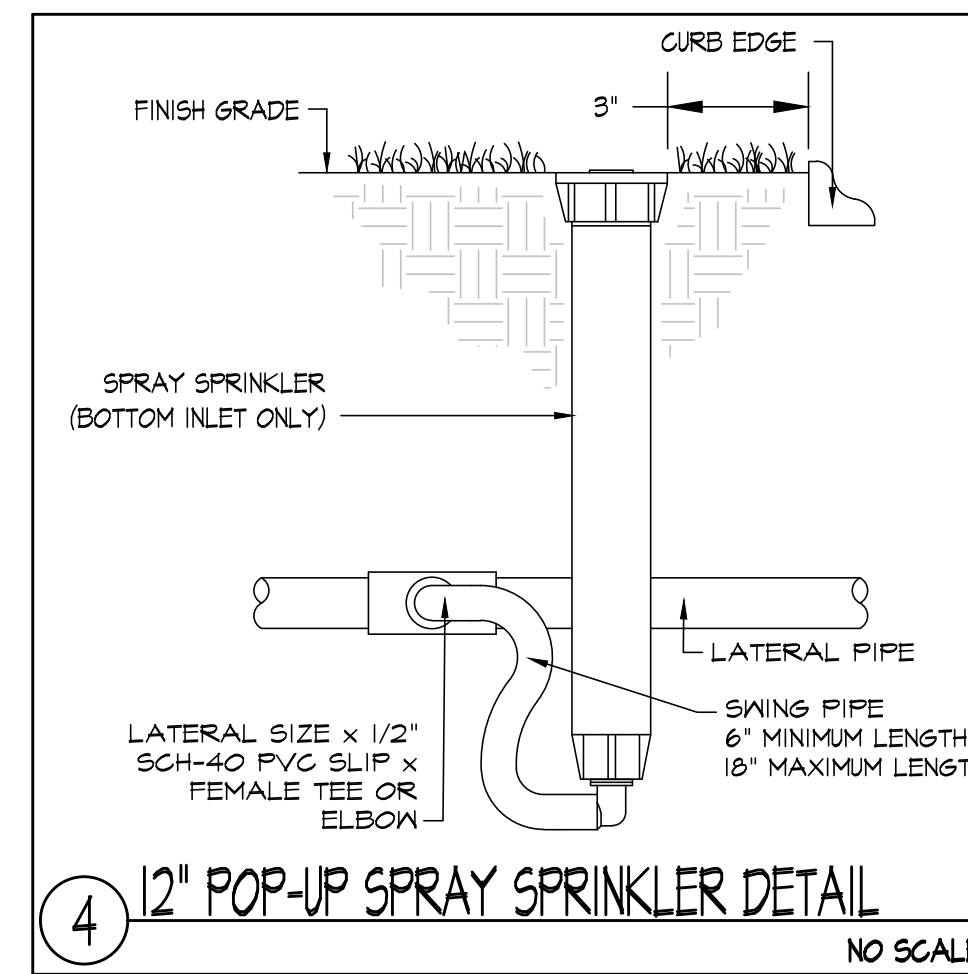
1 SPRAY SPRINKLER DETAIL  
(WITH POLYETHYLENE LATERAL LINE) NO SCALE



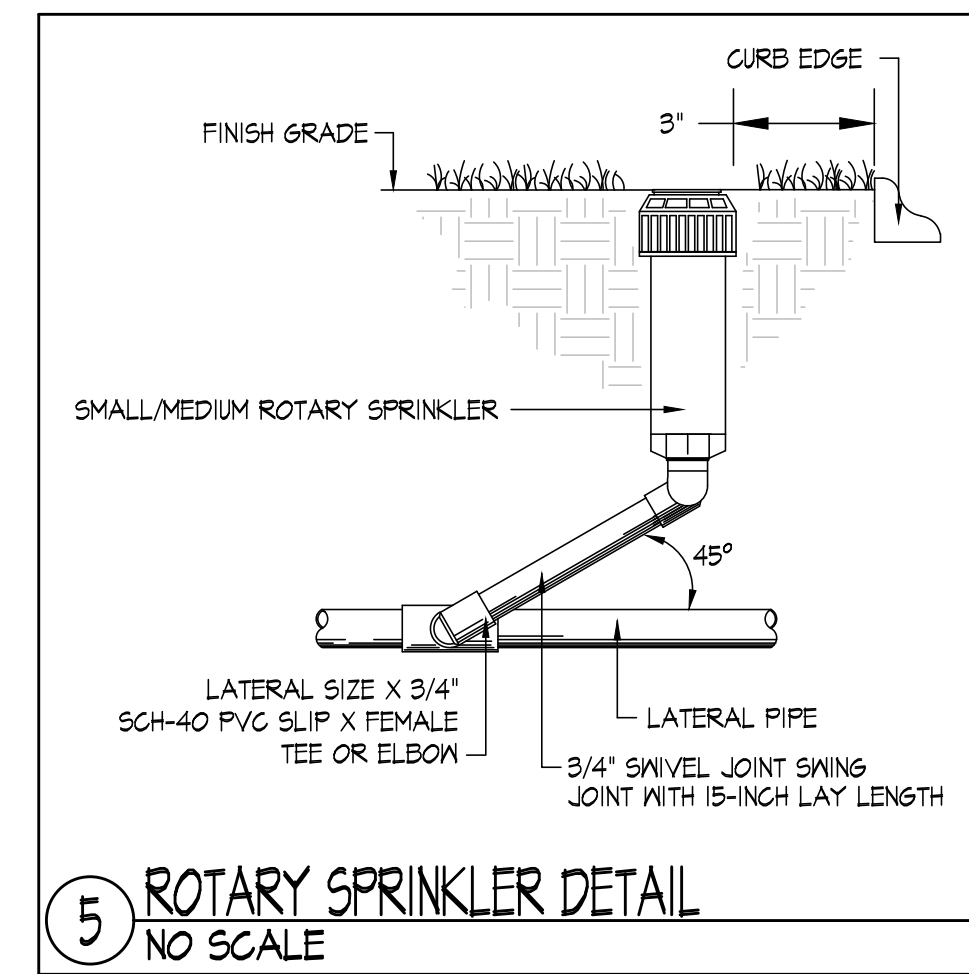
2 SPRAY SPRINKLER DETAIL  
NO SCALE



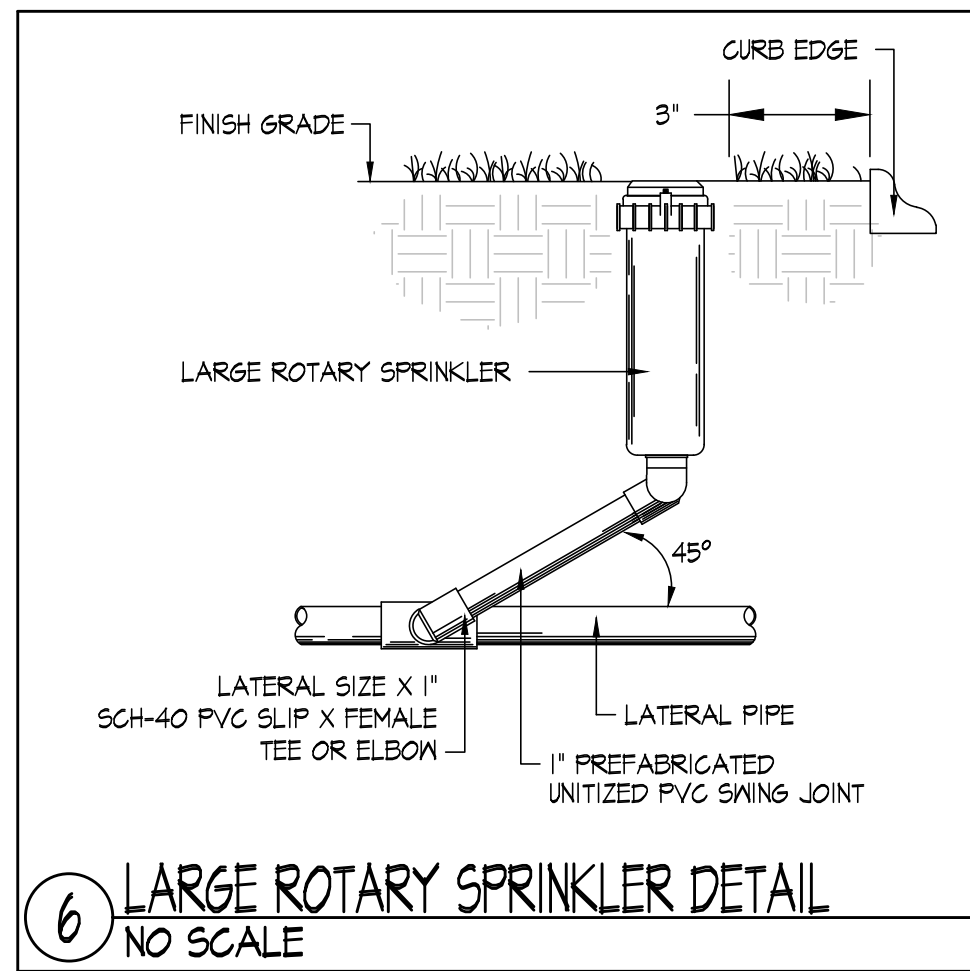
3 12" POP-UP SPRAY SPRINKLER DETAIL  
(WITH POLYETHYLENE LATERAL LINE) NO SCALE



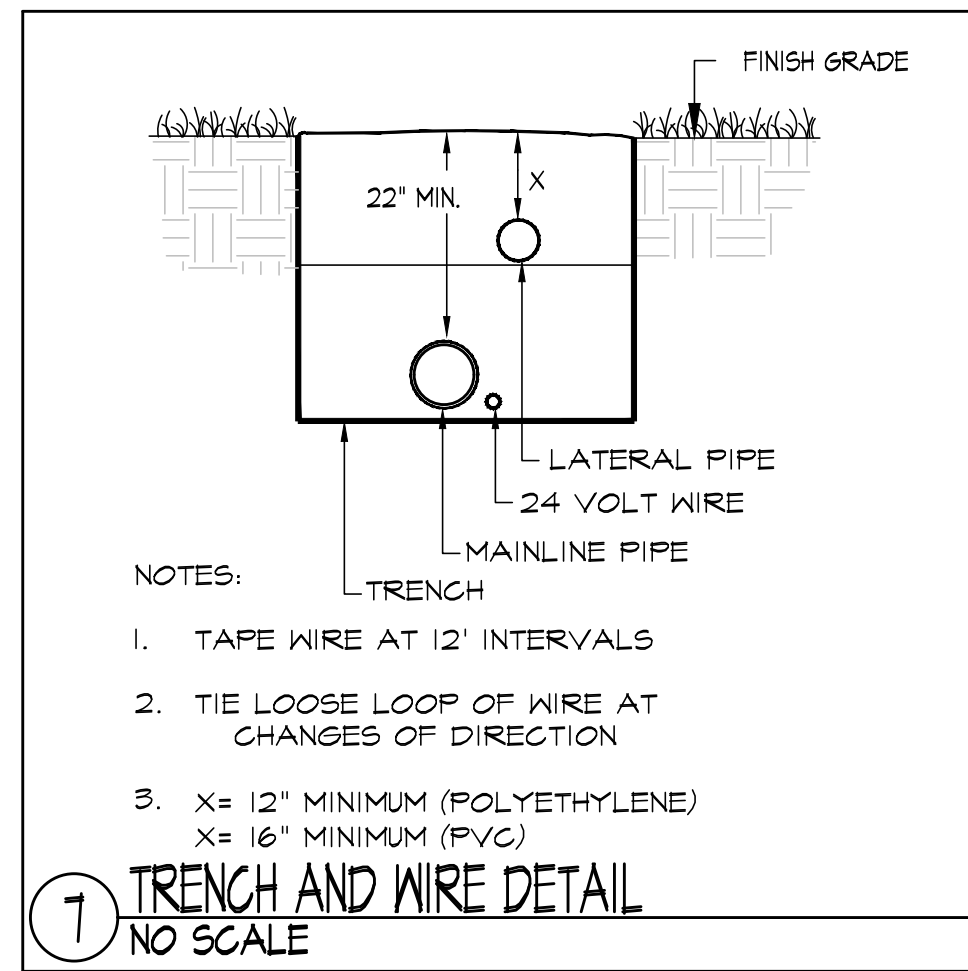
4 12" POP-UP SPRAY SPRINKLER DETAIL  
NO SCALE



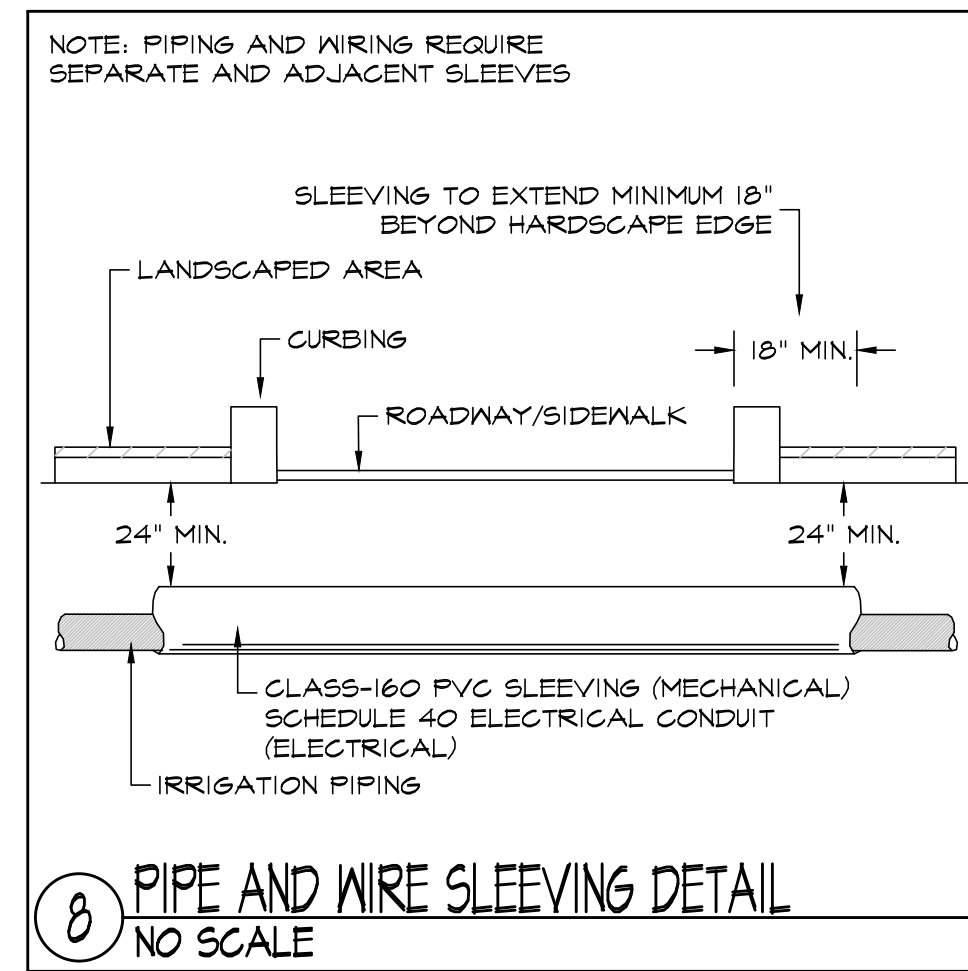
5 ROTARY SPRINKLER DETAIL  
NO SCALE



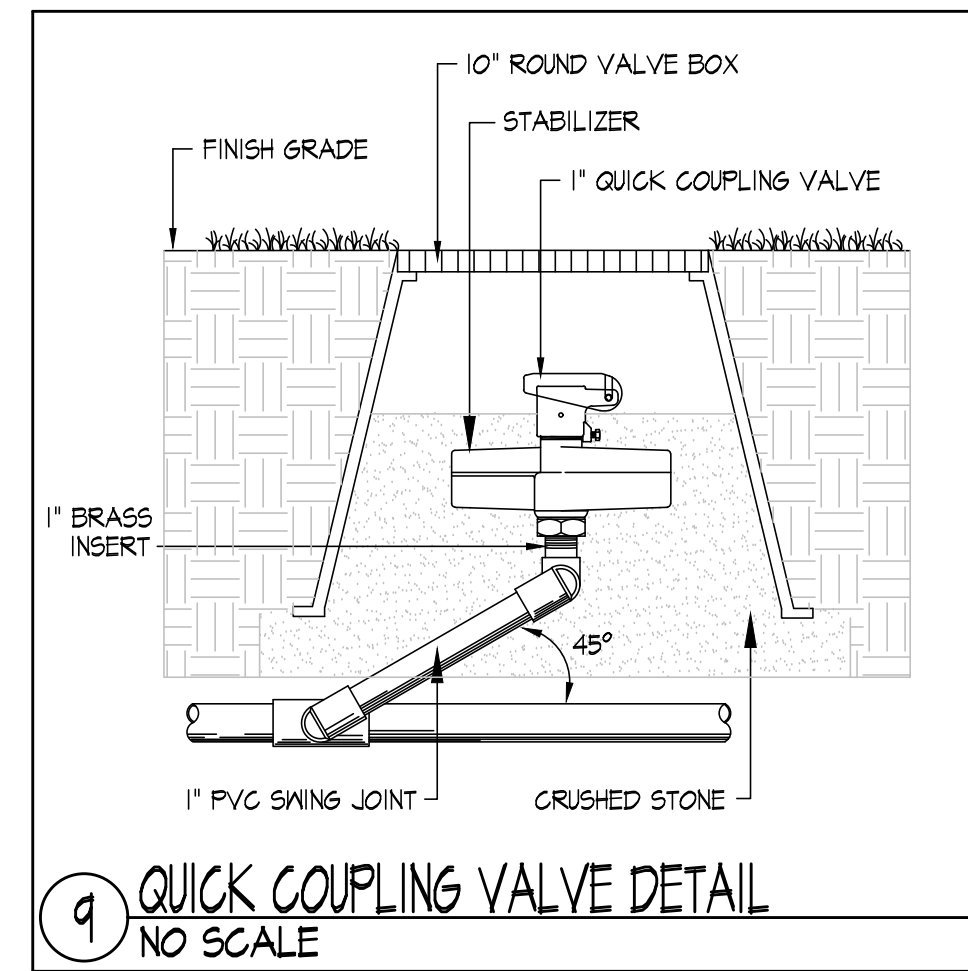
6 LARGE ROTARY SPRINKLER DETAIL  
NO SCALE



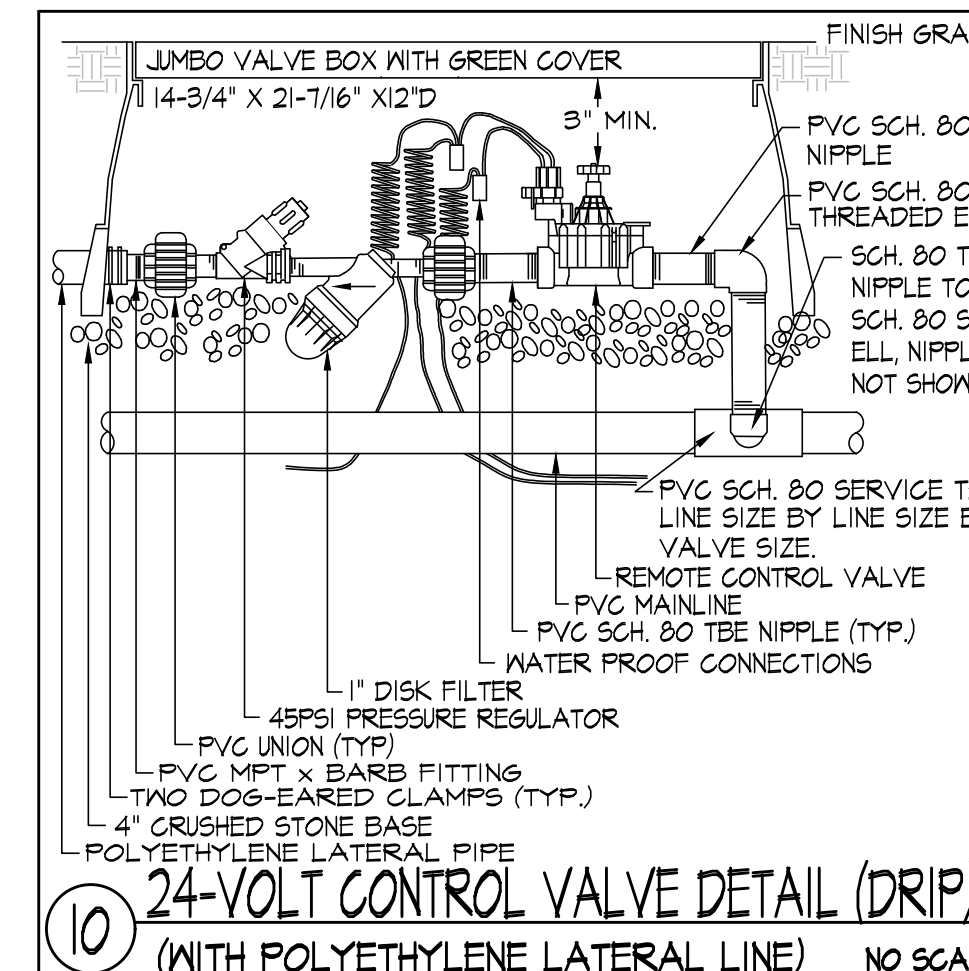
7 TRENCH AND WIRE DETAIL  
NO SCALE



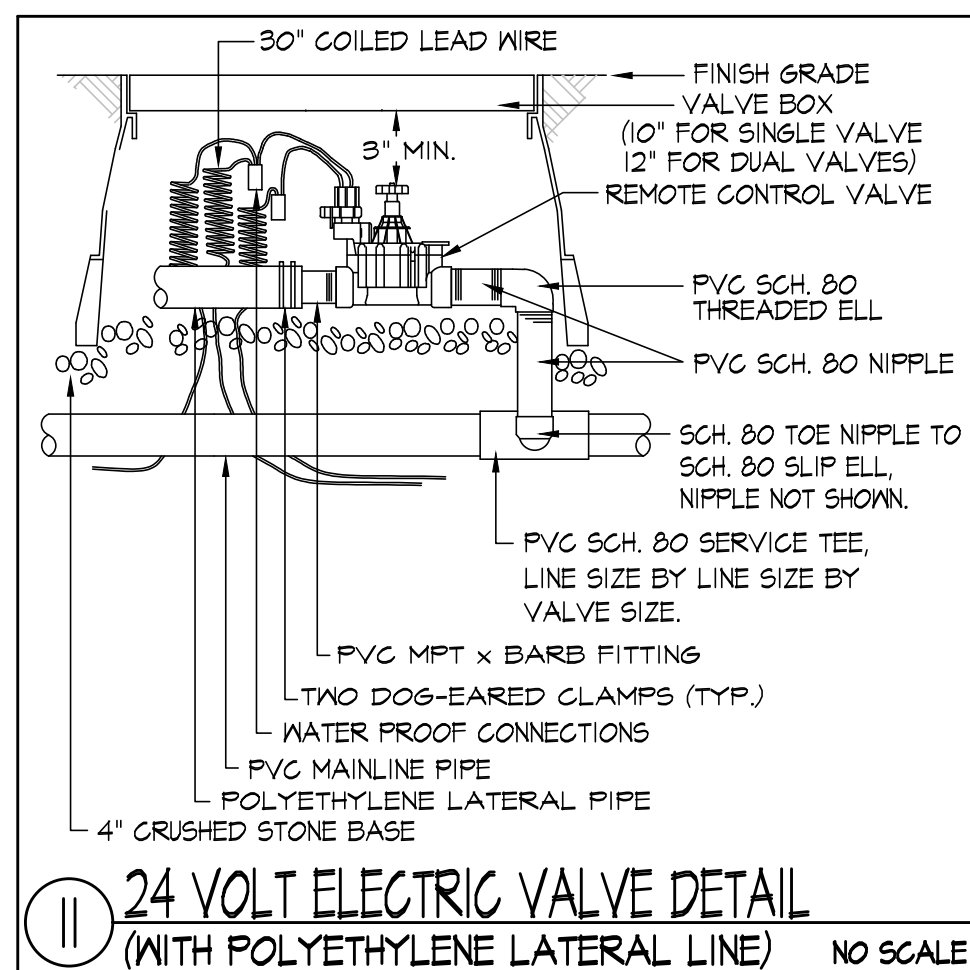
8 PIPE AND WIRE SLEEVING DETAIL  
NO SCALE



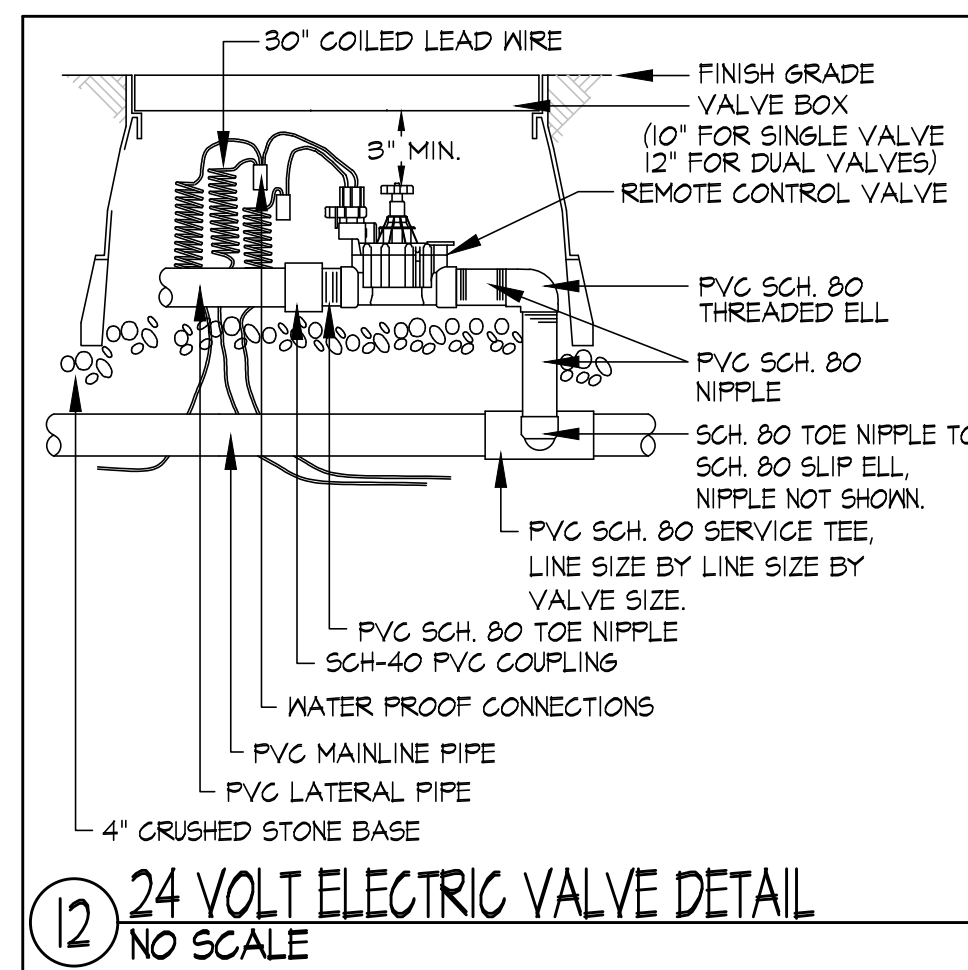
9 QUICK COUPLING VALVE DETAIL  
NO SCALE



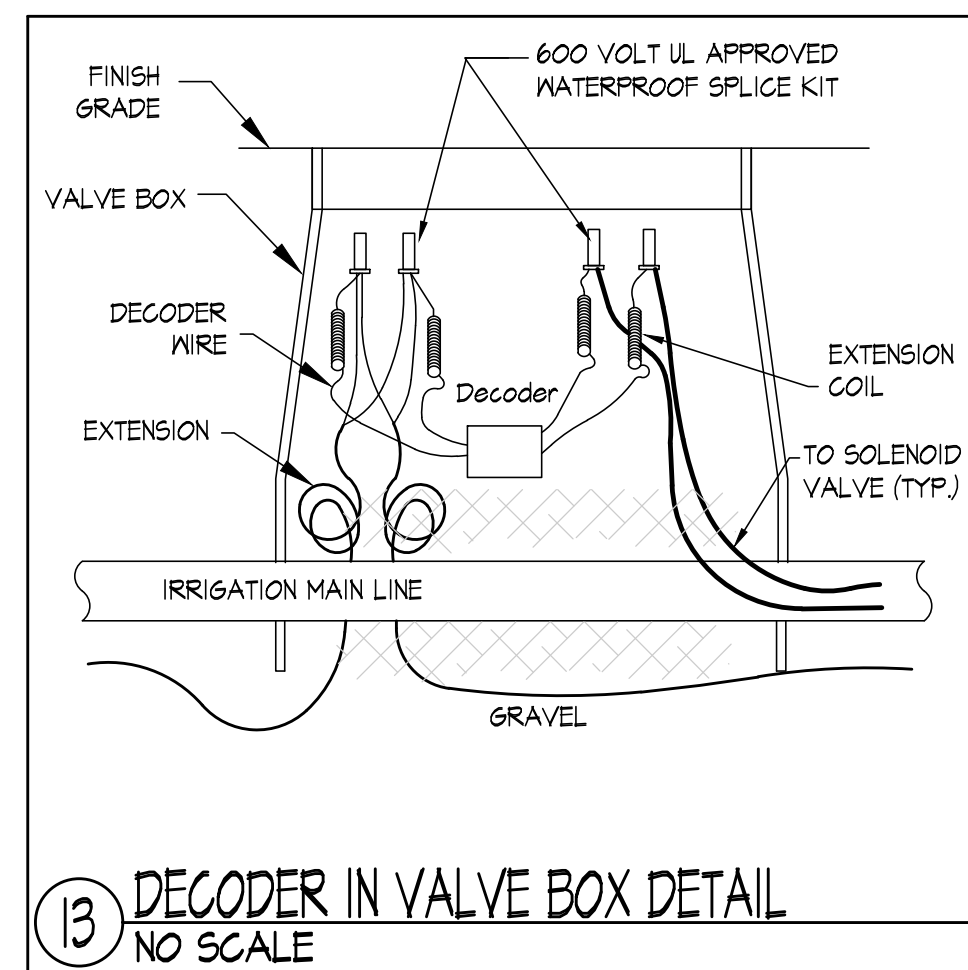
10 24-VOLT CONTROL VALVE DETAIL (DRIP)  
(WITH POLYETHYLENE LATERAL LINE) NO SCALE



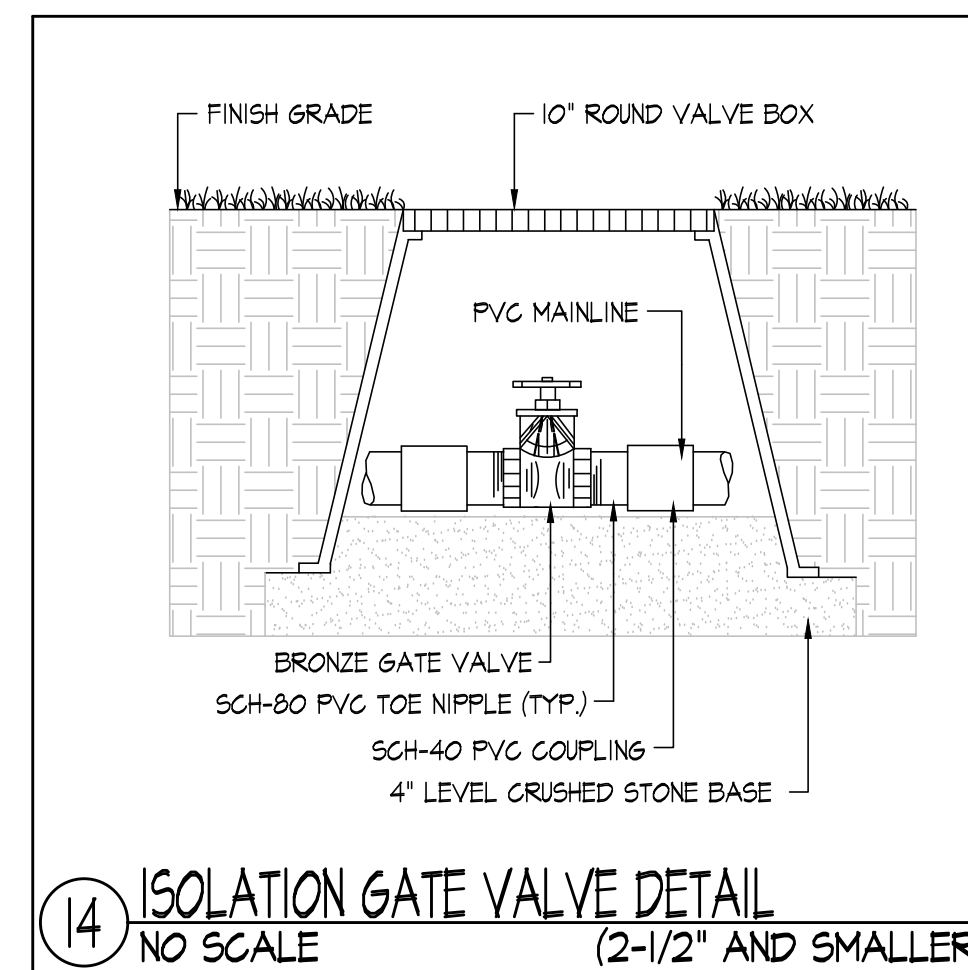
11 24 VOLT ELECTRIC VALVE DETAIL  
(WITH POLYETHYLENE LATERAL LINE) NO SCALE



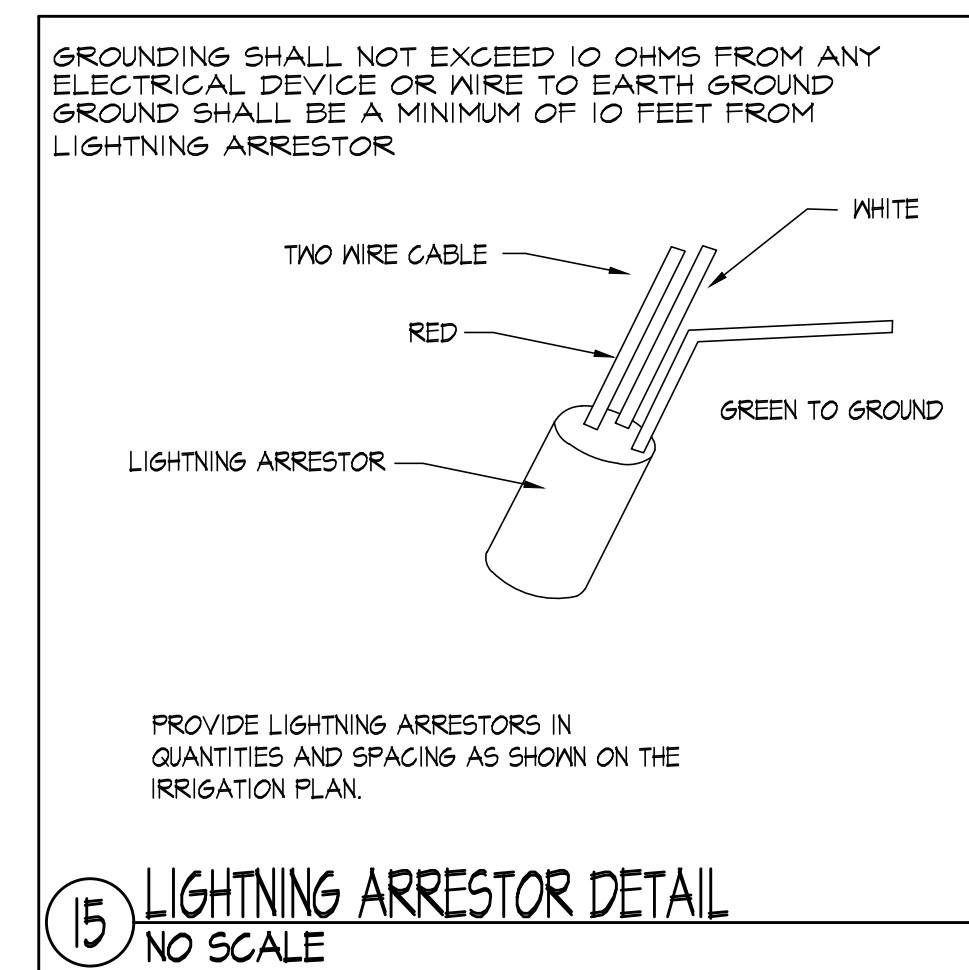
12 24 VOLT ELECTRIC VALVE DETAIL  
NO SCALE



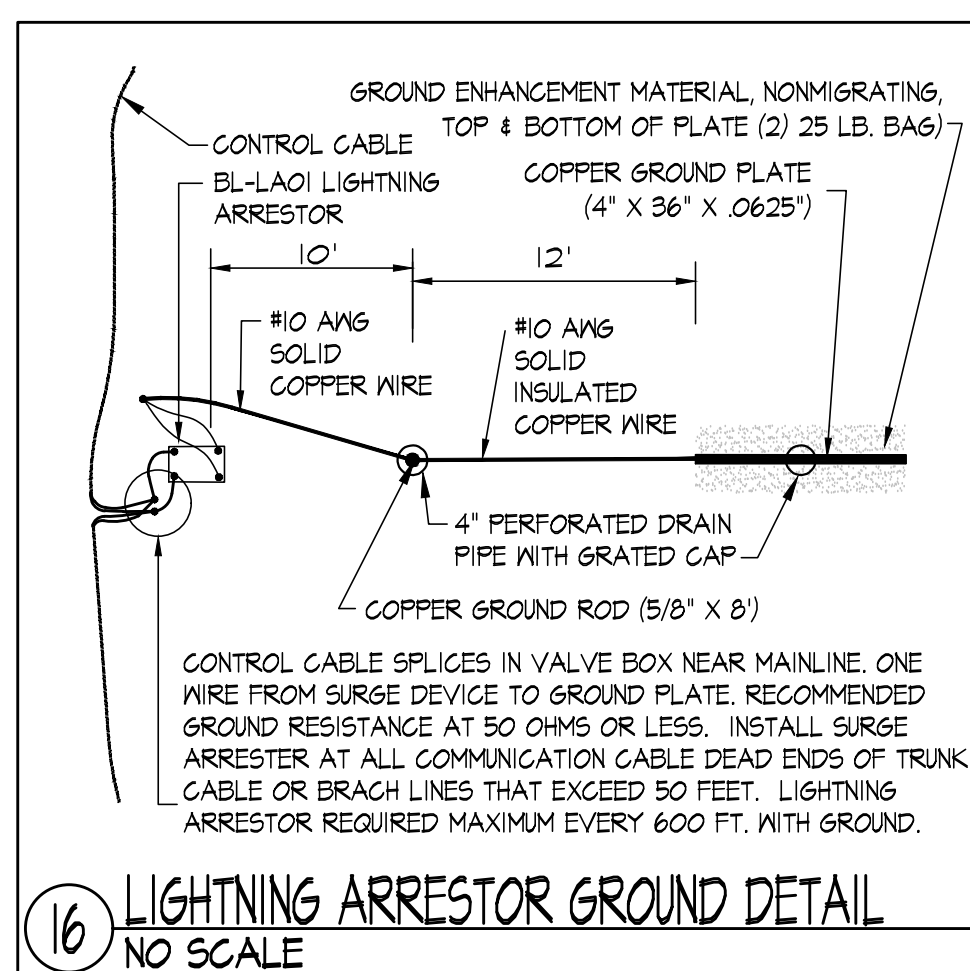
13 DECODER IN VALVE BOX DETAIL  
NO SCALE



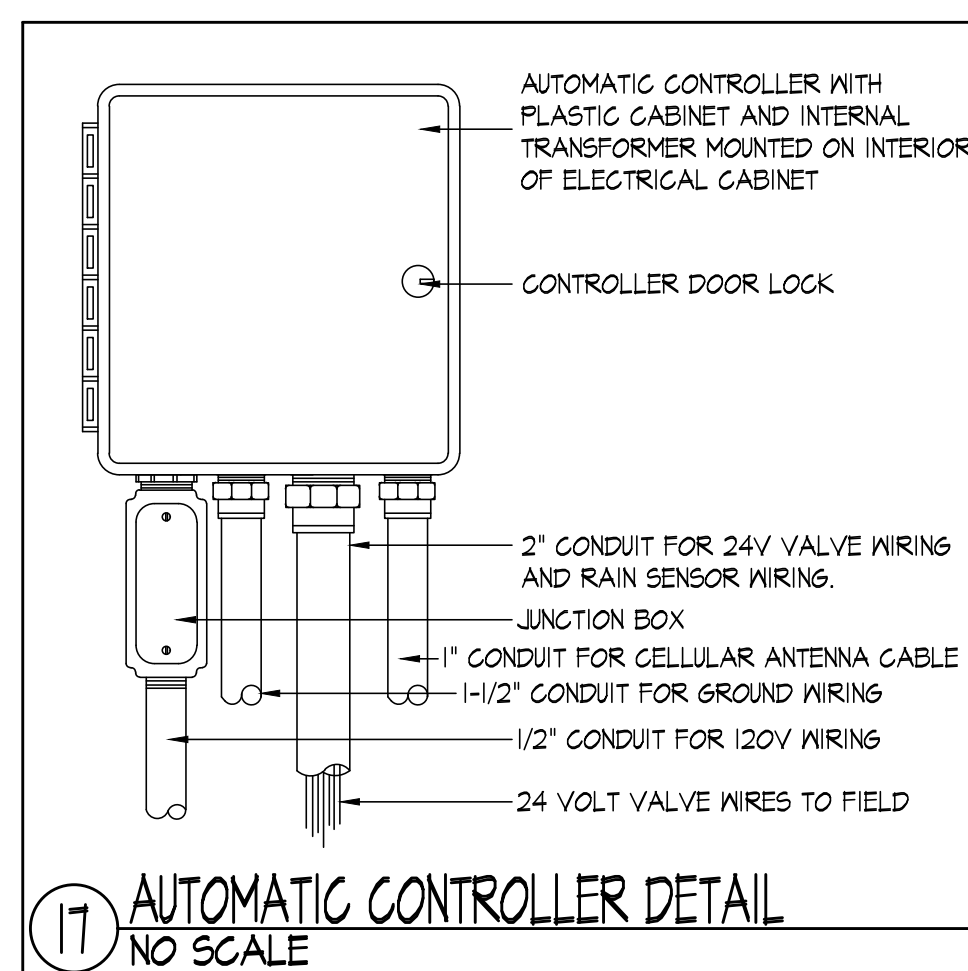
14 ISOLATION GATE VALVE DETAIL  
(2-1/2" AND SMALLER)



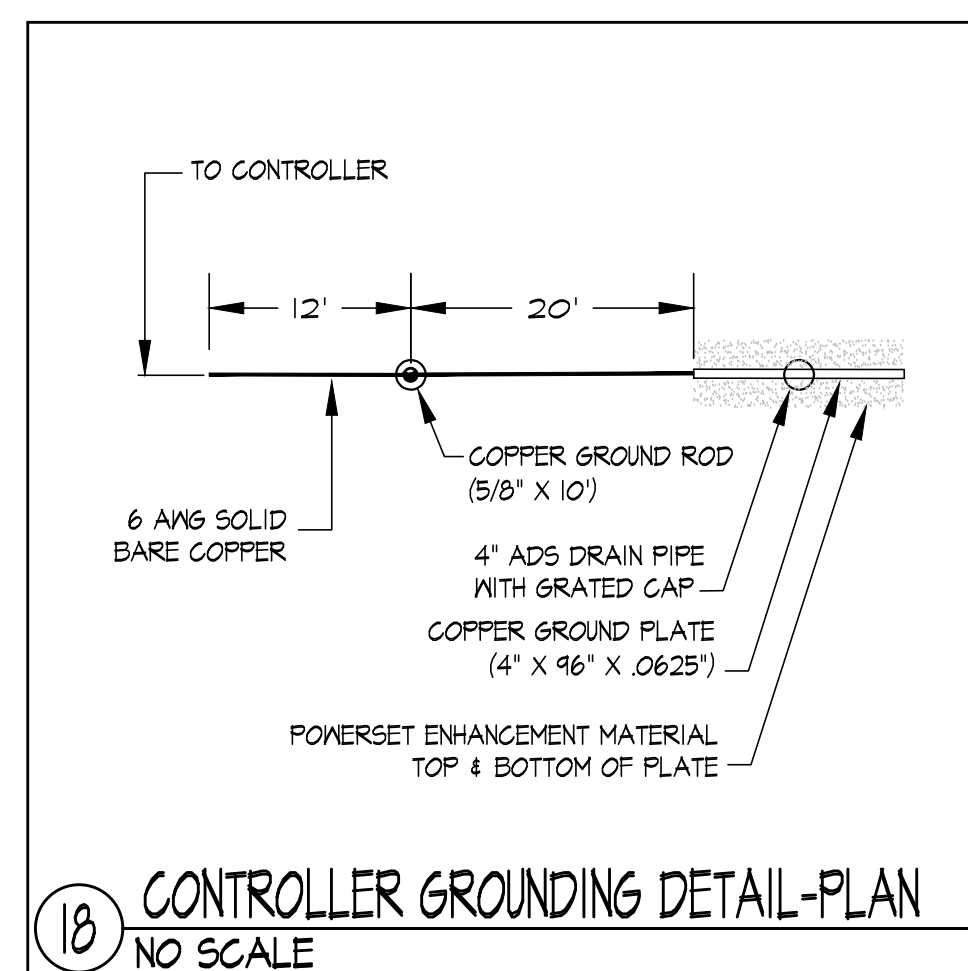
15 LIGHTNING ARRESTOR DETAIL  
NO SCALE



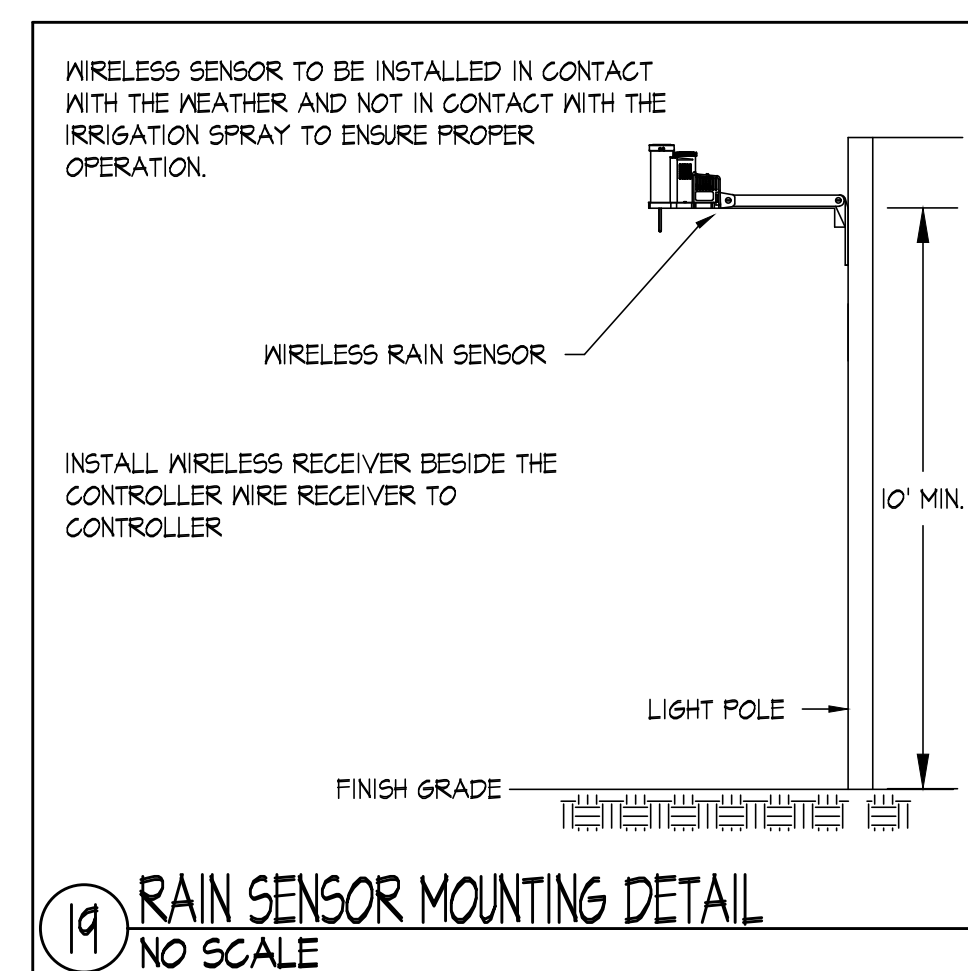
16 LIGHTNING ARRESTOR GROUND DETAIL  
NO SCALE



17 AUTOMATIC CONTROLLER DETAIL  
NO SCALE



18 CONTROLLER GROUNDING DETAIL-PLAN  
NO SCALE



19 RAIN SENSOR MOUNTING DETAIL  
NO SCALE



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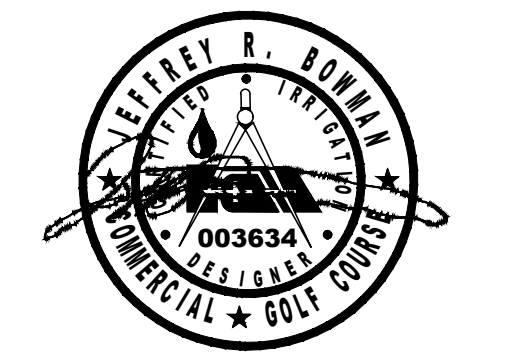


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02	Addendum 4	05.15.23
01	Bulletin 1	08.07.23
	Bid Set	02.01.23

DWG ISSUE & REVISION HISTORY

Stamp



Project Title:

Market Landing Park Expansion  
City of Newburyport  
Newburyport, Massachusetts

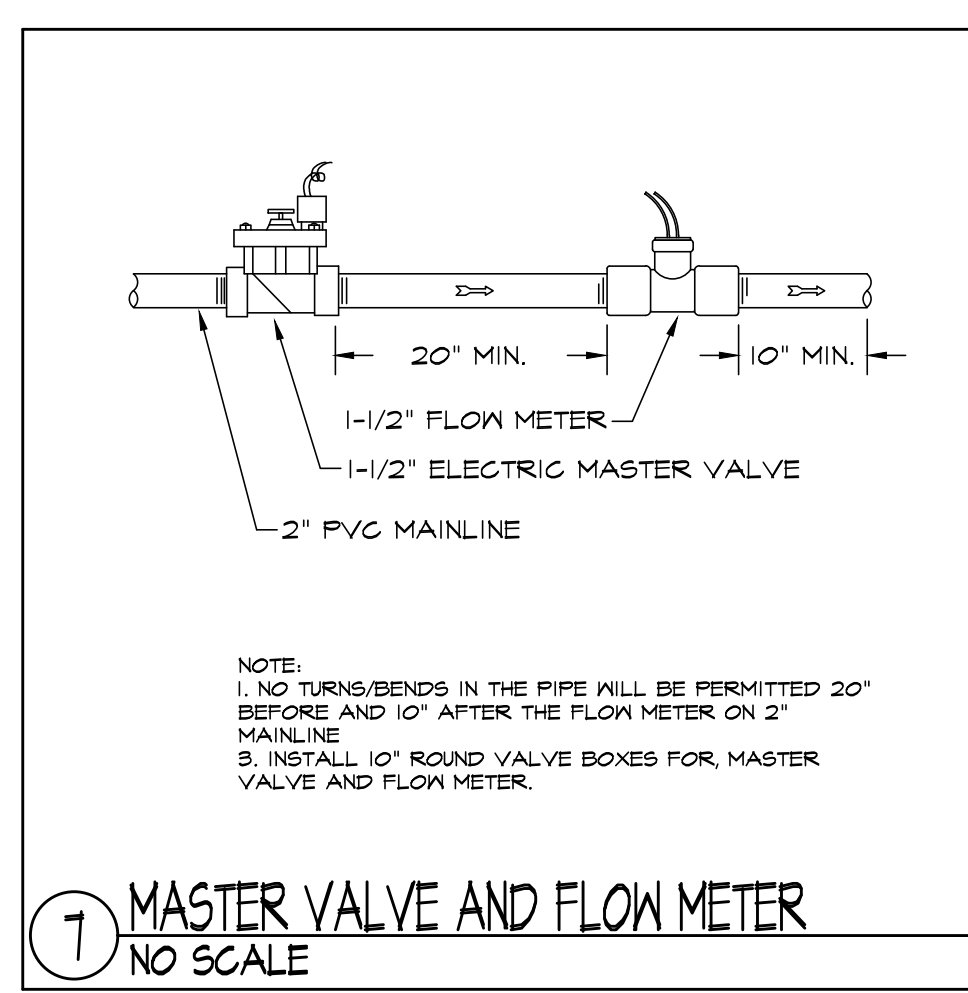
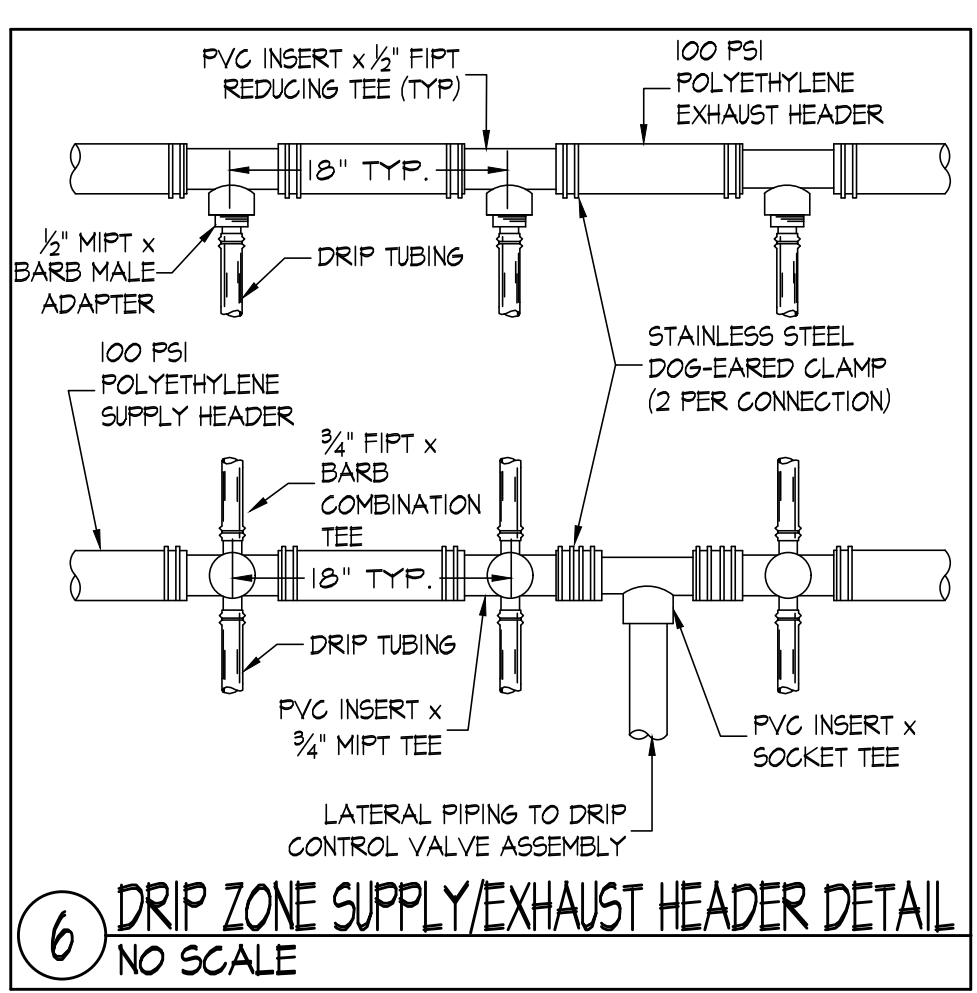
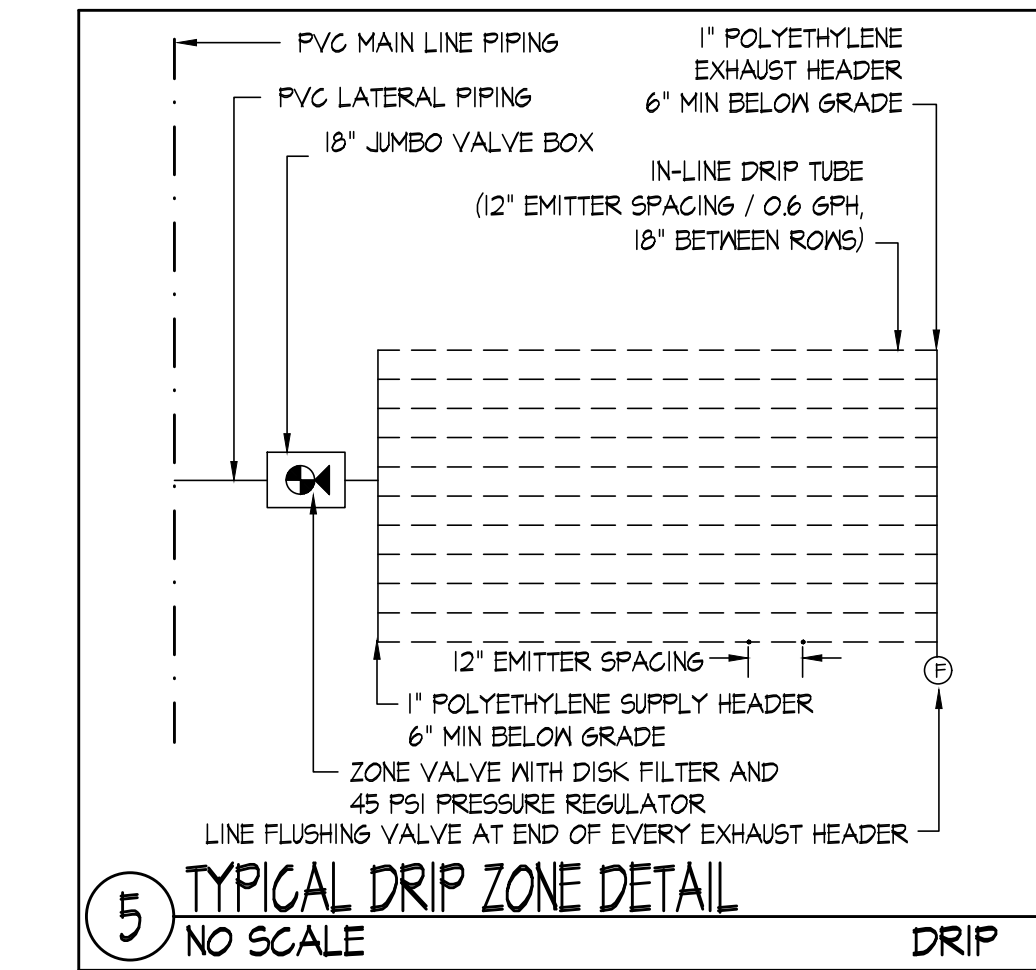
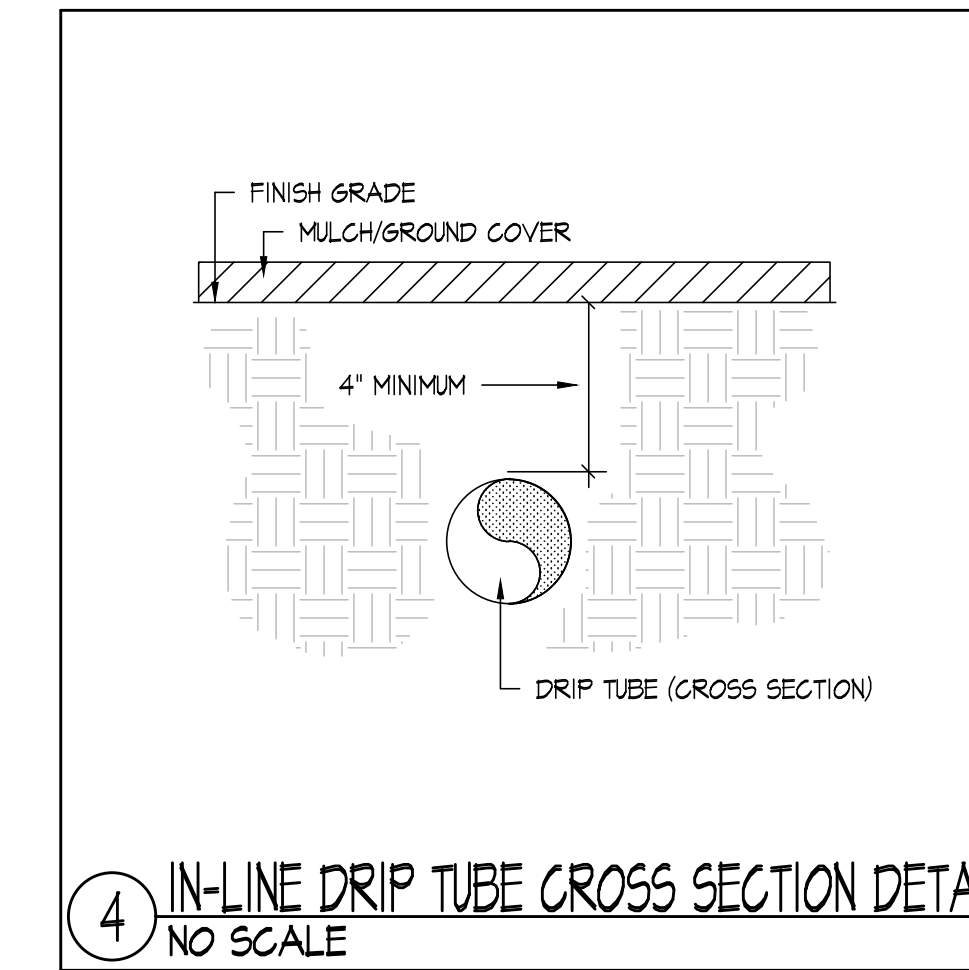
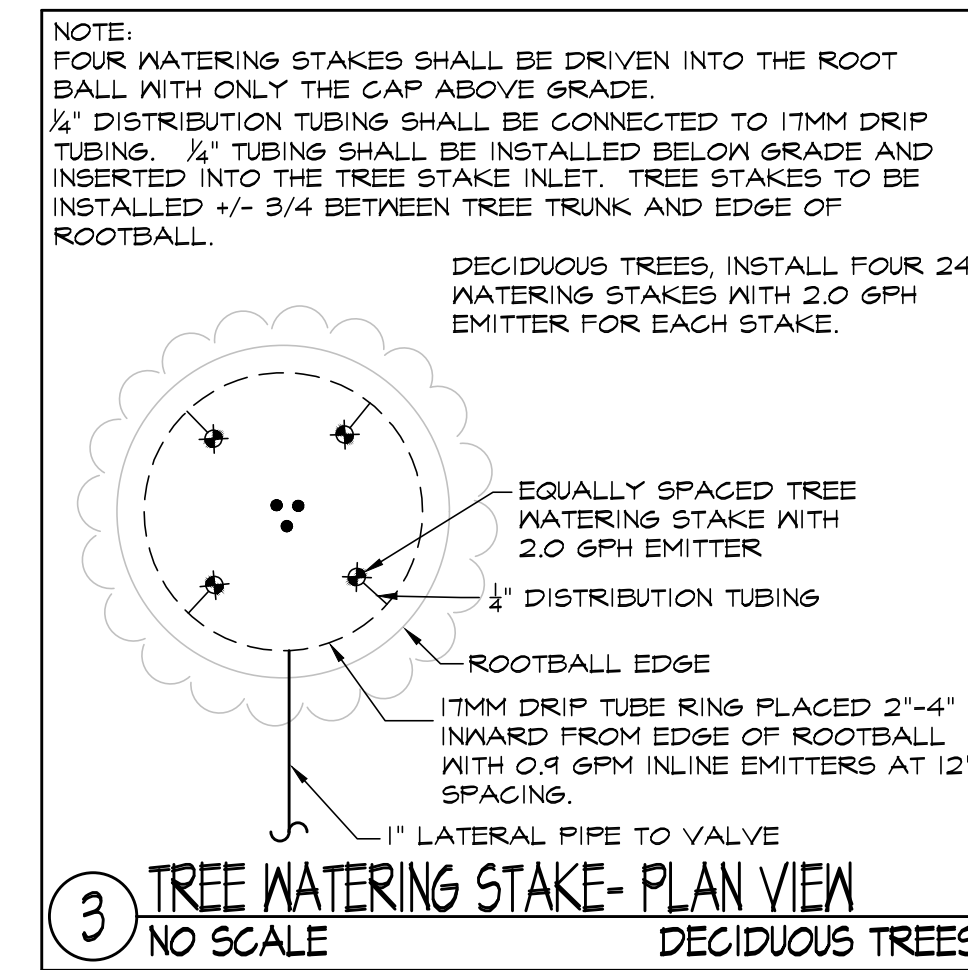
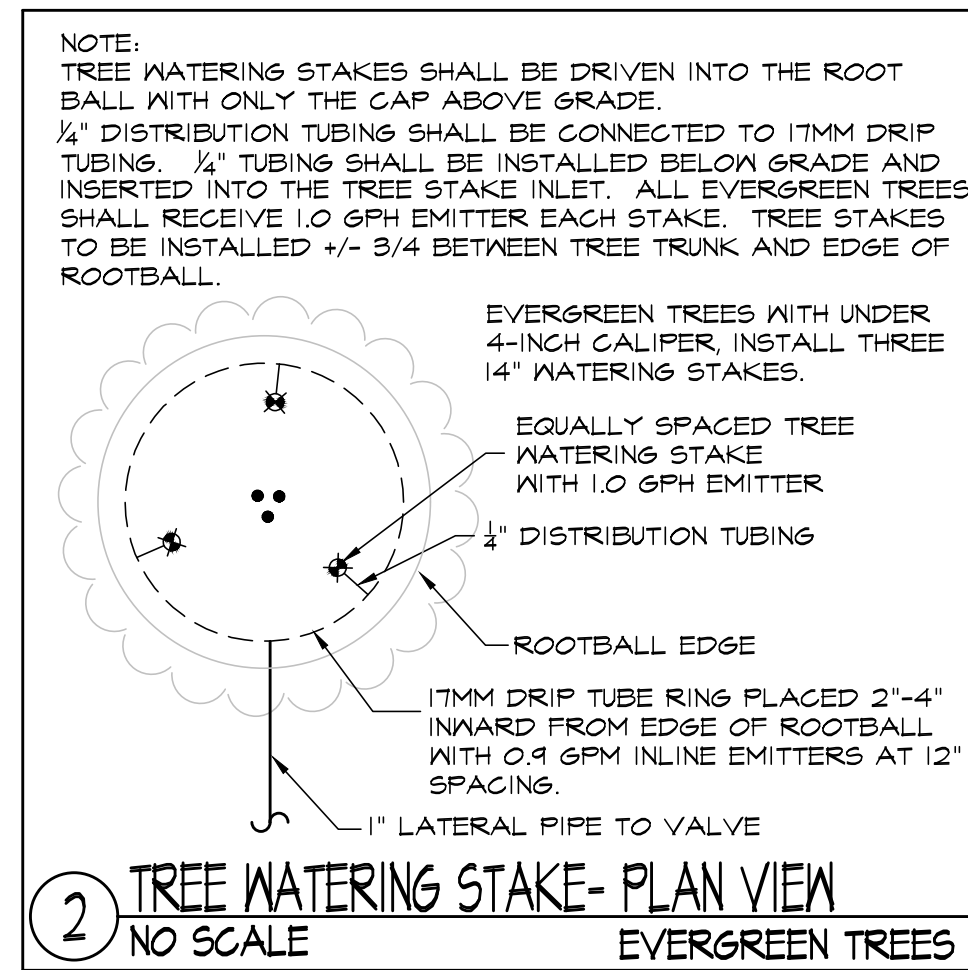
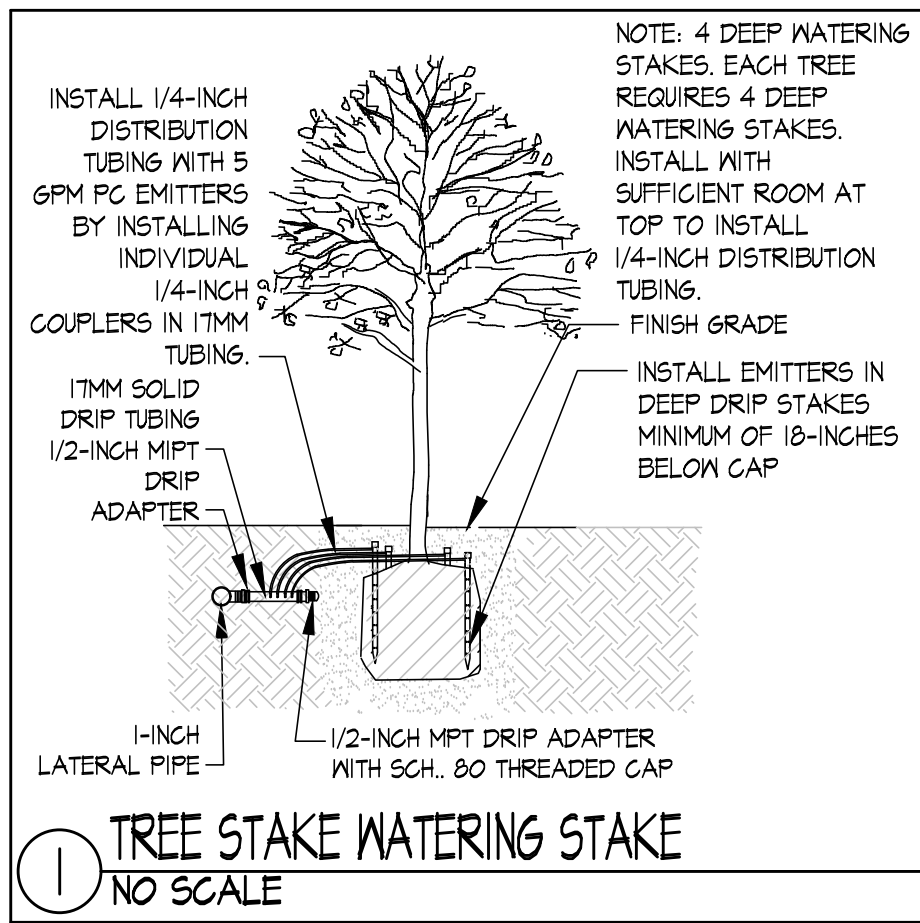
Drawing Title:

IRRIGATION DETAILS

Project No: 08314.00 Scale: AS NOTED  
Drawn By: CB  
Checked By: JB  
Approved By: JB  
Date: 02.01.2023

Drawing No:

12-00

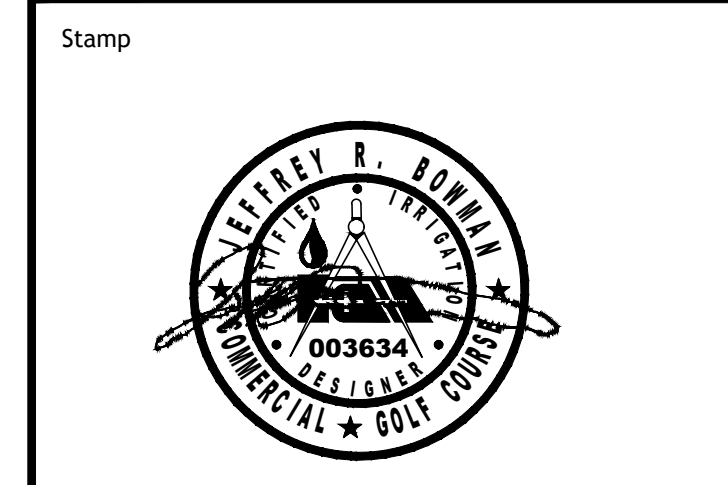


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	Bid Set	02.01.23

DWG ISSUE & REVISION HISTORY



Project Title:  
**Market Landing Park Expansion**  
City of Newburyport  
Newburyport, Massachusetts

Drawing Title:  
**IRRIGATION DETAILS 2**

Project No: 08314.00 Scale: AS NOTED  
Drawn By: CB  
Checked By: JB  
Approved By: JB  
Date: 02.01.2023

Drawing No: **12-01**