

THE COMMONWEALTH OF MASSACHUSETTS
DEPARTMENT OF CONSERVATION AND RECREATION



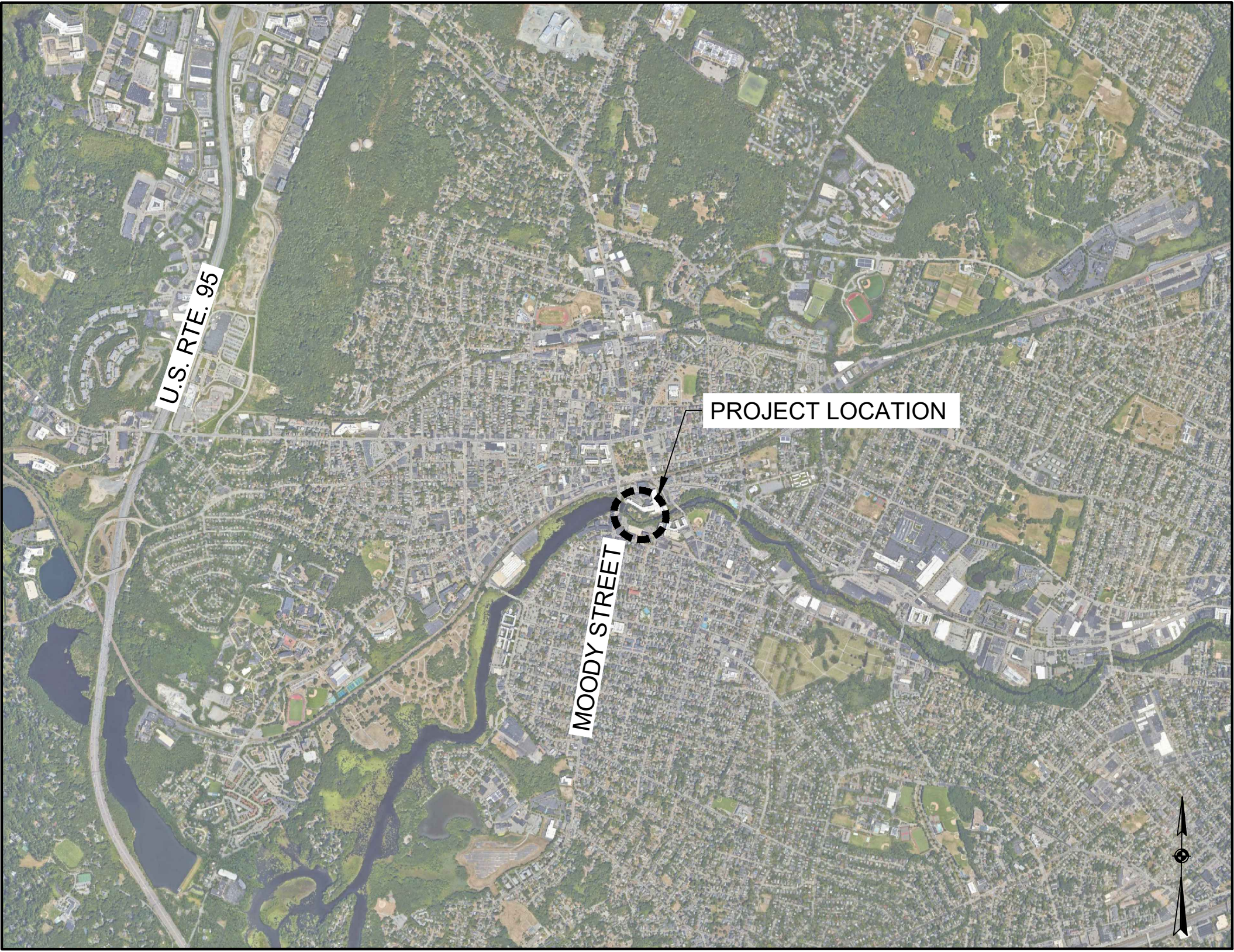
LANDRY PARK SITE IMPROVEMENTS

LANDRY PARK
WALTHAM, MASSACHUSETTS
MIDDLESEX COUNTY
DCR CONTRACT NO. P25-3586-C11A

MAURA HEALEY, GOVERNOR
KIM DRISCOLL, LT. GOVERNOR
REBECCA TEPPER, SECRETARY, ENERGY & ENVIRONMENTAL AFFAIRS
BRIAN ARRIGO, COMMISSIONER

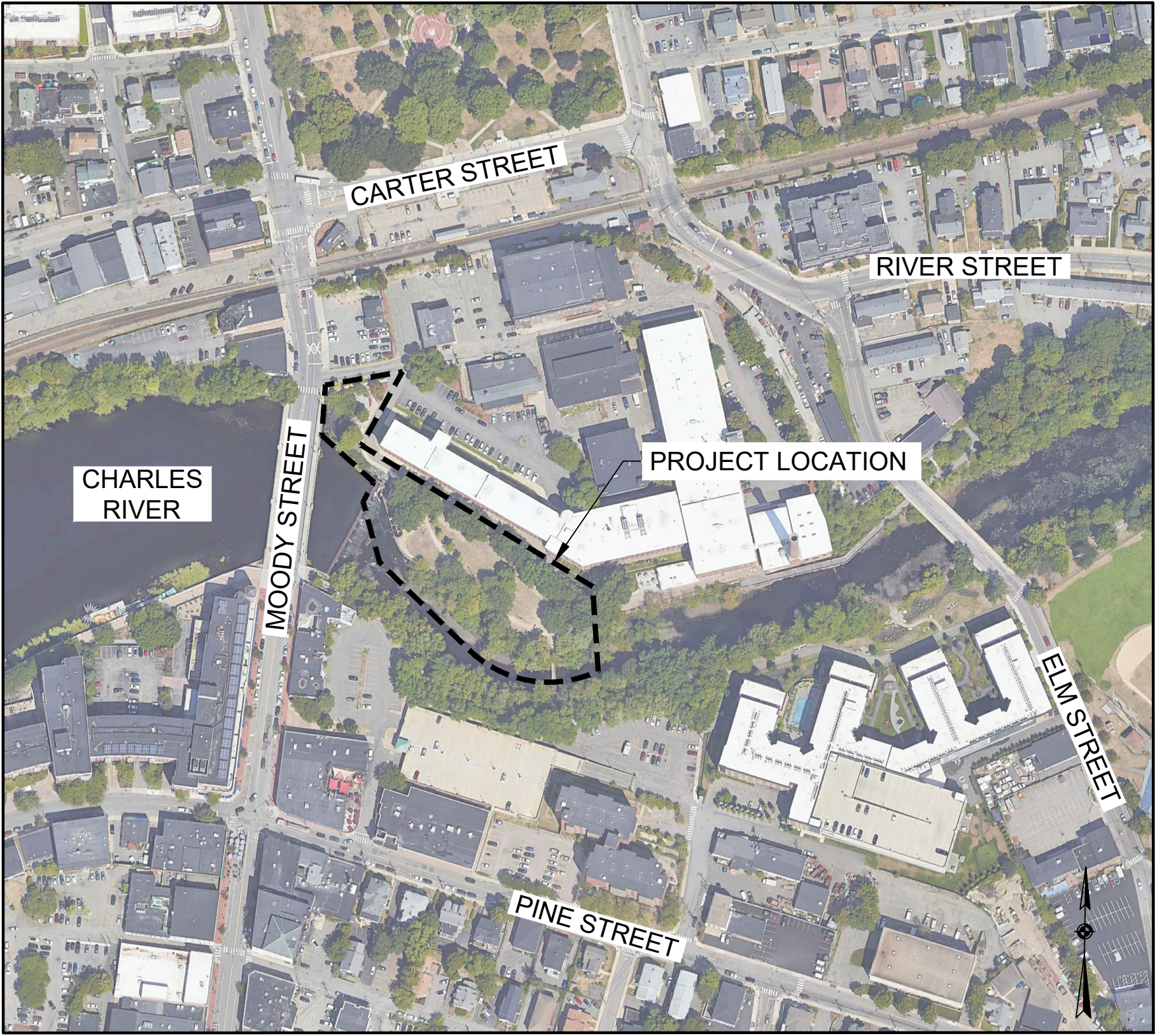
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REGIONAL LOCUS MAP

SCALE: 1" = 2000'



LOCUS MAP

SCALE: 1" = 200'

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LANDRY PARK SITE IMPROVEMENTS
WALTHAM, MASSACHUSETTS
BID DOCUMENTS

DRAWN: JN/MP
DESIGNED: DB/AK
CHECKED: JB
REVIEWED: JB/EA

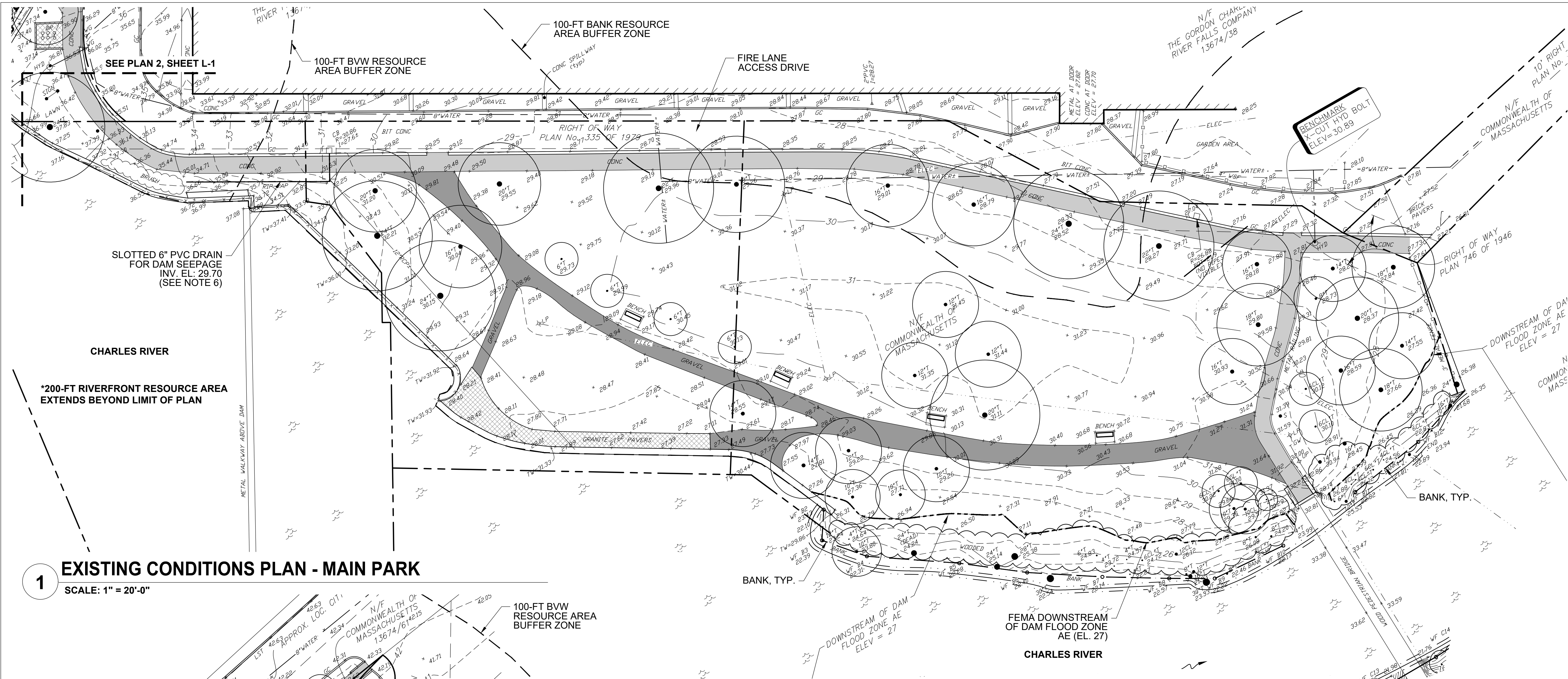
CONTRACT NO. P25-3586-C11A

DATE: JUNE 30 2025

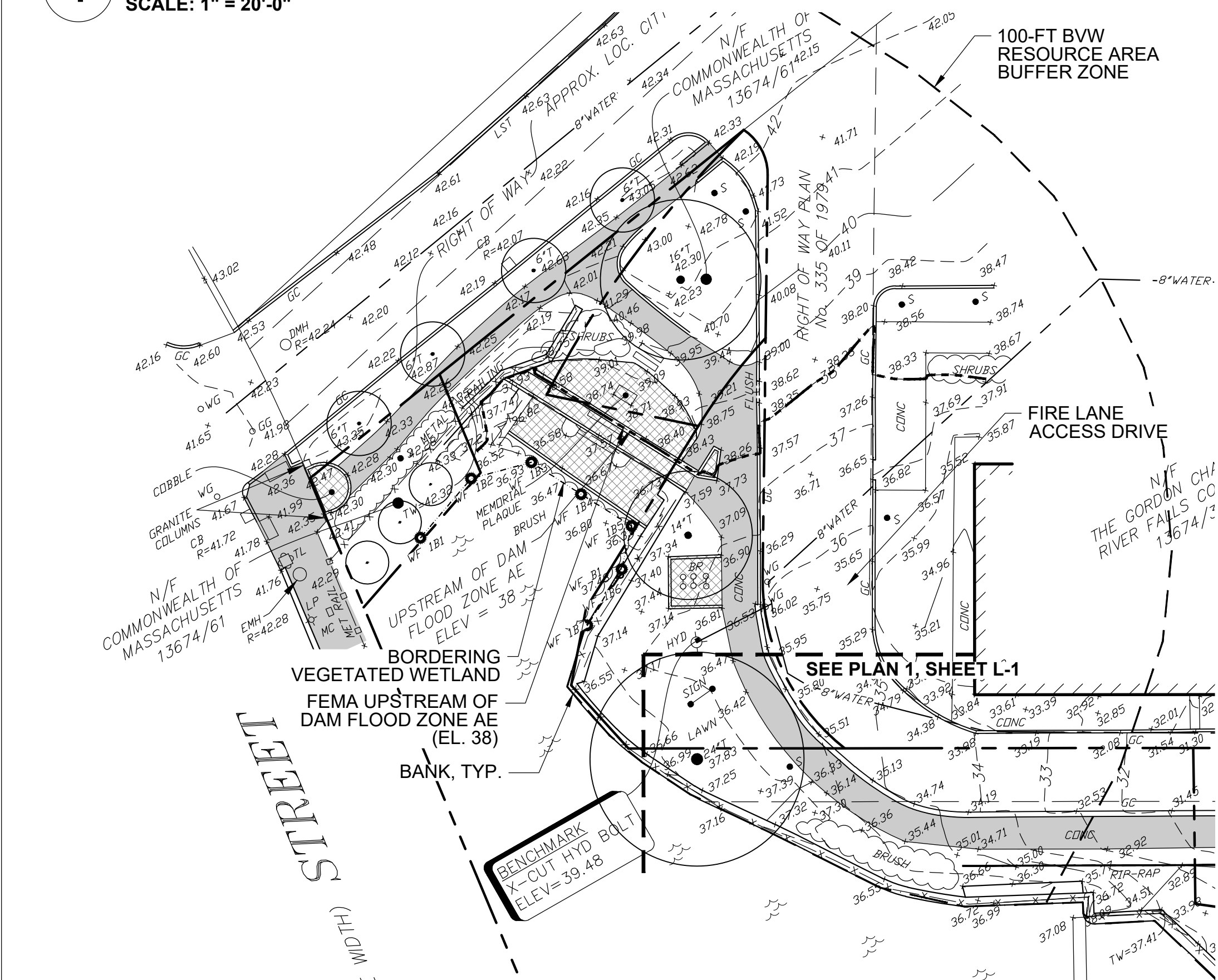
ACC. NO. 104893x

SCALE: AS NOTED

SHEET 1 OF 21



1 EXISTING CONDITIONS PLAN - MAIN PARK
SCALE: 1" = 20'-0"



2 EXISTING CONDITIONS PLAN - NORTH WEST CORNER, RACEWAY HEAD
SCALE: 1" = 20'-0"

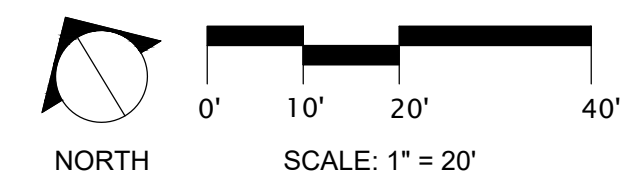
NOTES

- BANK DELINEATED BY LEC ENVIRONMENTAL, JULY 21 & 26, 2023.
- BORDERING VEGETATED WETLAND (SHOWN AS WF 1B1 TO WF 1B7) DELINEATED BY TIGHE & BOND, SEPTEMBER 2024, IN ACCORDANCE WITH THE PROCEDURES OUTLINED IN THE MASSACHUSETTS DEPARTMENT OF ENVIRONMENTAL PROTECTION (MASSDEP) GUIDELINES (SEPTEMBER 2022) AND 310 CMR 10.00, AS WELL AS THE U.S. ARMY CORPS OF ENGINEERS WETLANDS DELINEATION MANUAL, TECHNICAL REPORT Y-87-1 (JANUARY 1987), AND THE REGIONAL SUPPLEMENT TO THE CORPS OF ENGINEERS WETLAND DELINEATION MANUAL: NORTHCENTRAL AND NORTHEAST REGION (JANUARY 2012). AS PART OF RDA SUBMITTED FOR MOODY STREET DAM SEEPAGE PROJECT BY THE DEPARTMENT OF CONSERVATION AND RECREATION.
- ELEVATIONS REFER TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 AS DETERMINED BY GPS OBSERVATIONS AND AN OPUS REDUCTION.
- THIS PLAN AND THE SURVEY ON WHICH IT IS BASED WERE PREPARED WITHOUT THE BENEFIT OF A TITLE REPORT AND ARE SUBJECT TO THE FINDINGS SUCH A REPORT MAY DISCLOSE.
- ENTIRE PROJECT AREA IS WITHIN 200-FT RIVERFRONT RESOURCE AREA.
- FLOOD AREA SHOWN HEREON IS LOCATED WITHIN ZONES X (SHADED AND NON SHADED) AND AE AS SHOWN ON FLOOD INSURANCE RATE MAP No. 25017C0551E, EFFECTIVE DATE JUNE 4, 2010.
- NEWLY INSTALLED SLOTTED DRAIN FOR DAM SEEPAGE, SPRING 2025. PIPE AND INVERT ELEVATION ARE APPROXIMATE.



LEGEND

BIT CONC	BITUMINOUS CONCRETE	3	CONTOUR (1' INTERVAL)
BR	BIKE RACK	25	CONTOUR (5' INTERVAL)
CB	CATCHBASIN	x25.13	SPOT ELEVATION
CC	CONCRETE CURB	WF B8 22.57	WATER LINE
CONC	CONCRETE	BANK	BANK FLAG
DMH	DRAIN MANHOLE		BANK
GC	GRANITE CURB	WF 1B1	100-FT BANK RESOURCE AREA BUFFER ZONE
GW	GUY WIRE		LIMIT OF BORDERING VEGETATED WETLAND
HYD	HYDRANT		100-FT BVW RESOURCE AREA BUFFER ZONE
I=	INVERT		BORDERING LAND SUBJECT TO FLOODING - FEMA FLOOD ZONE AE
LP	LIGHT POLE		GRANITE PAVERS
P	POST		STABILIZED AGGREGATE PAVING
R=	RIM		CONCRETE PAVING
S	SIGN		CATCH BASIN
SMH	SEWER MANHOLE		DRAIN MANHOLE
TELE	TELEPHONE		GRANITE CURB
TMH	TELEPHONE MANHOLE		LIGHT POLE
UP	UTILITY POLE		
WG	WATER GATE		
8\"T	8\" TREE		



Client/Owner:

dcr
Massachusetts



Massachusetts Department of Conservation and Recreation
State Transportation Building, 10 Park Plaza,
Suite 6620
Boston, MA 02116

HATCH

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Boston, MA 02110
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Stamp:



Project:

LANDRY PARK
SITE IMPROVEMENTS
WALTHAM, MA

BID DOCUMENTS

Contract Number: P25-3586-C11A

Hatch Project Number: H-371610

Date: JUNE 30, 2025

Drawn By: MP, JN

Designed By: AK

Reviewed By: JMB

Scale: 1" = 20'-0"

Revisions

Number: Description: Date:

Sheet Title:

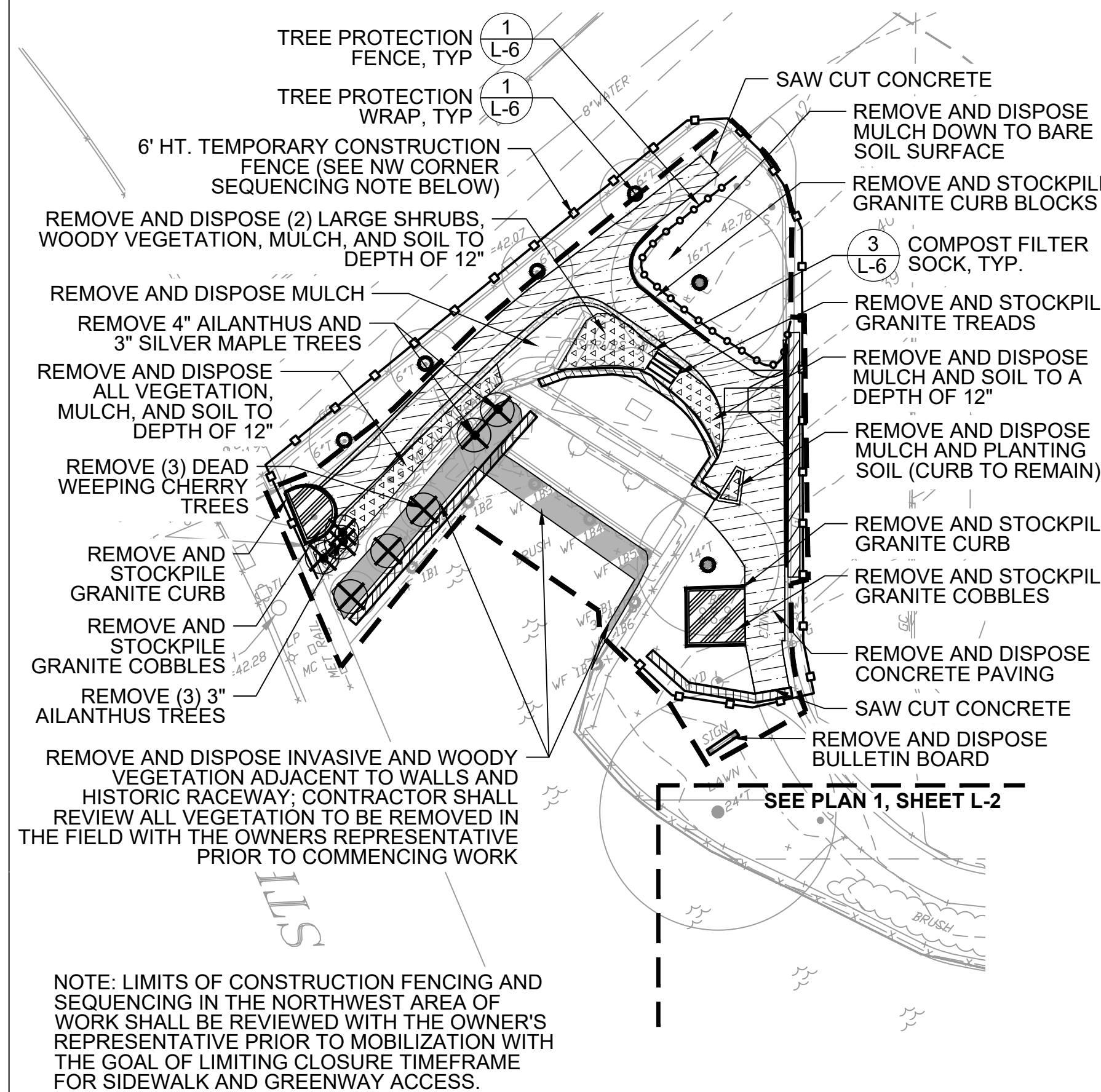
EXISTING
CONDITIONS PLAN

Sheet No:

L-1

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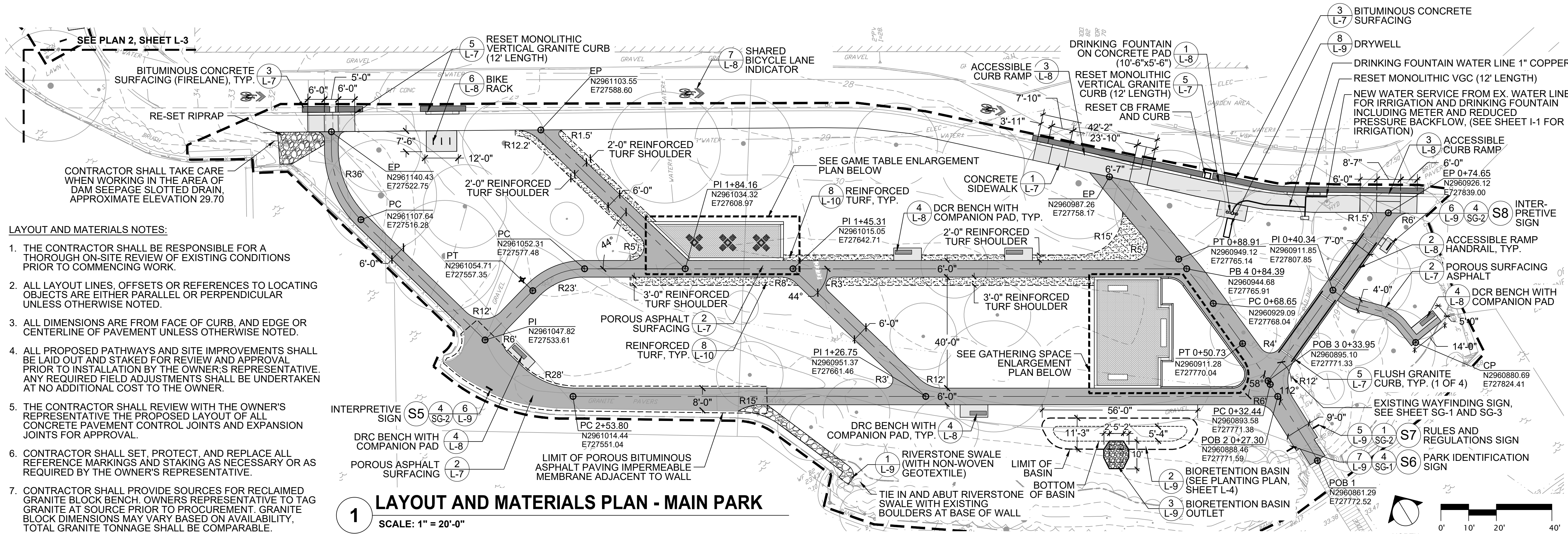
Sheet 2 of 21



SCALE: 1" = 20'-0"

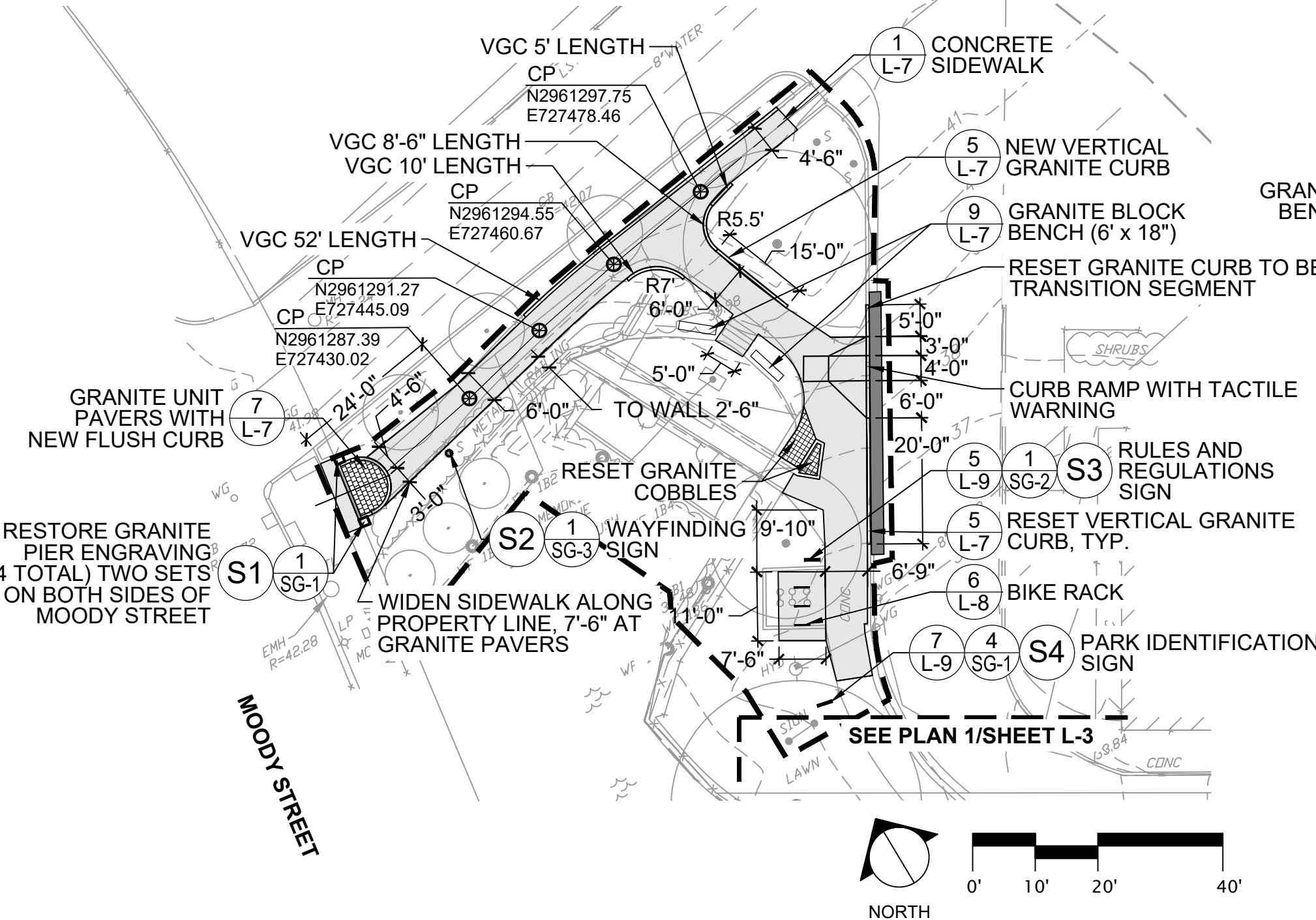
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A. N. 104005 01.10

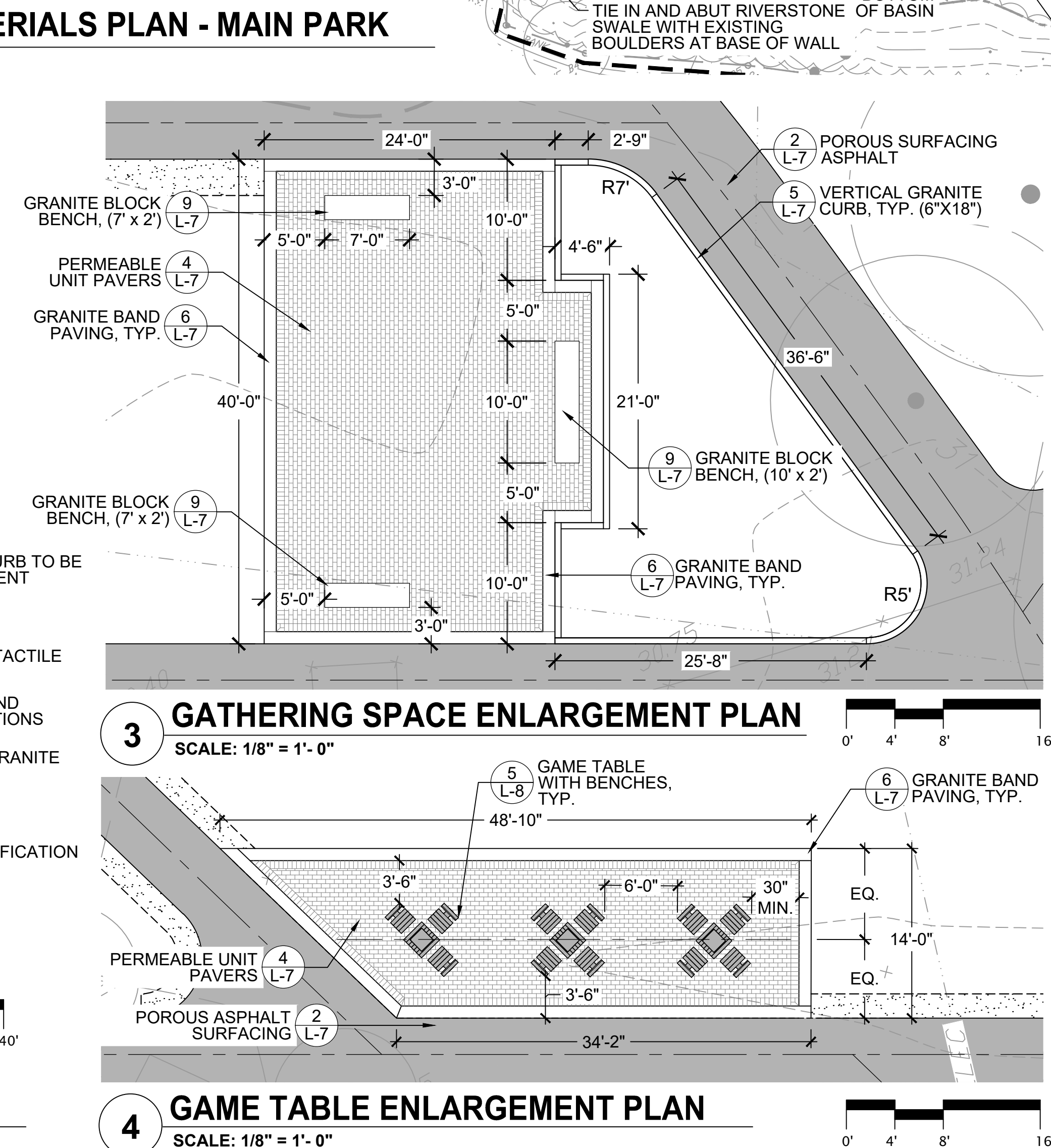


LAYOUT AND MATERIALS NOTES:

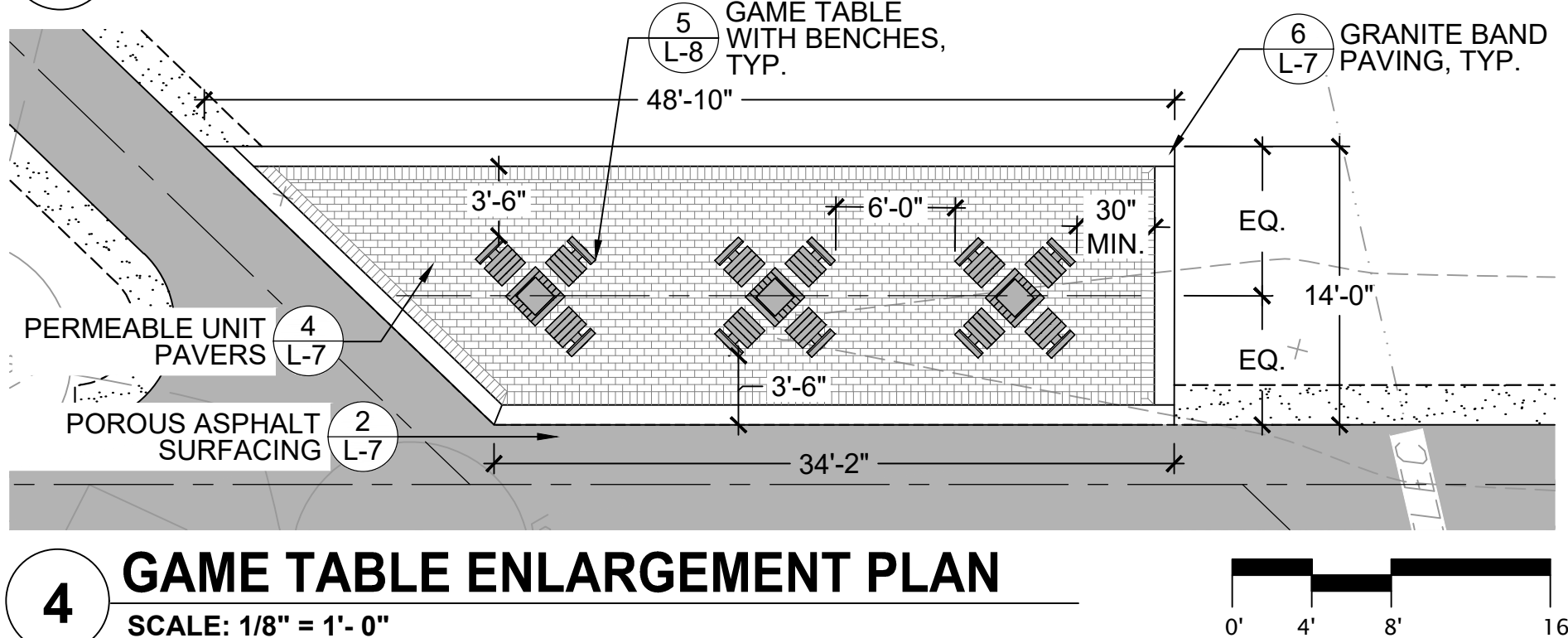
1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR A THOROUGH ON-SITE REVIEW OF EXISTING CONDITIONS PRIOR TO COMMENCING WORK.
2. ALL LAYOUT LINES, OFFSETS OR REFERENCES TO LOCATING OBJECTS ARE EITHER PARALLEL OR PERPENDICULAR UNLESS OTHERWISE NOTED.
3. ALL DIMENSIONS ARE FROM FACE OF CURB, AND EDGE OR CENTERLINE OF PAVEMENT UNLESS OTHERWISE NOTED.
4. ALL PROPOSED PATHWAYS AND SITE IMPROVEMENTS SHALL BE LAID OUT AND STAKED FOR REVIEW AND APPROVAL PRIOR TO INSTALLATION BY THE OWNER'S REPRESENTATIVE. ANY REQUIRED FIELD ADJUSTMENTS SHALL BE UNDERTAKEN AT NO ADDITIONAL COST TO THE OWNER.
5. THE CONTRACTOR SHALL REVIEW WITH THE OWNER'S REPRESENTATIVE THE PROPOSED LAYOUT OF ALL CONCRETE PAVEMENT CONTROL JOINTS AND EXPANSION JOINTS FOR APPROVAL.
6. CONTRACTOR SHALL SET, PROTECT, AND REPLACE ALL REFERENCE MARKINGS AND STAKING AS NECESSARY OR AS REQUIRED BY THE OWNER'S REPRESENTATIVE.
7. CONTRACTOR SHALL PROVIDE SOURCES FOR RECLAIMED GRANITE BLOCK BENCH. OWNERS REPRESENTATIVE TO TAG GRANITE AT SOURCE PRIOR TO PROCUREMENT. GRANITE BLOCK DIMENSIONS MAY VARY BASED ON AVAILABILITY, TOTAL GRANITE TONNAGE SHALL BE COMPARABLE.
8. REINFORCED TURF SHALL BE INSTALLED FOLLOWING PATHWAY CONSTRUCTION. INFILL MATERIAL AND SODDING SHALL BE INSTALLED TO COINCIDE WITH LAWN SEEDING APPLICATION (SEE PLANTING PLAN, SHEET L-5).
9. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE TAPPING OF THE DOMESTIC WATER MAIN AND ALL ASSOCIATED PERMITTING ATTRIBUTED TO THIS CONNECTION AS IT RELATES TO THE IRRIGATION AND DRINKING FOUNTAIN SCOPE OF WORK. SEE SHEET I-1 FOR IRRIGATION SYSTEM.
10. ALL SIGNAGE LOCATIONS SHALL BE CONFIRMED IN THE FIELD BY OWNERS REPRESENTATIVE PRIOR TO INSTALLATION. INTERPRETIVE SIGN S9 TO BE LOCATED WEST OF MOODY STREET BRIDGE NEAR CHARLES RIVER GREENWAY ENTRANCE.



2 LAYOUT AND MATERIALS PLAN - NORTH WEST CORNER
SCALE: 1" = 20'-0"



3 GATHERING SPACE ENLARGEMENT PLAN
SCALE: 1/8" = 1'-0"



4 GAME TABLE ENLARGEMENT PLAN
SCALE: 1/8" = 1'-0"

LEGEND

---	LIMIT OF WORK	R	RADIUS
---	CONCRETE SIDEWALK	L	LENGTH
---	BITUMINOUS CONCRETE SURFACING (FOR CURB RESETTING)	D	ANGLE
---	POROUS ASPHALT SURFACING	TYP	TYPICAL
---	PERMEABLE UNIT PAVERS	POB	POINT OF BEGINNING
---	REINFORCED TURF	MP	MID POINT
---	GRANITE BAND PAVING	EP	END POINT
---	VERTICAL GRANITE CURB	CP	CONTROL POINT
---	DCR BENCH	PI	POINT OF INTERSECTION
---	GRANITE BLOCK BENCH	PC	POINT OF CURVATURE
---	DRINKING FOUNTAIN	PT	POINT OF TANGENCY
---	GAME TABLE	PCC	POINT OF COMPOUND CURVATURE
---		PRC	POINT OF REVERSE CURVATURE
---		ALIGN	ALIGN

SIGN KEY		
LOCATION	SIGN DESCRIPTION	TYPE
S1	GATEWAY GRANITE COLUMNS (4 TOTAL)	A
S2	WAYFINDING	E
S3	RULES AND REGULATIONS SIGN (1 OF 2)	C
S4	PARK IDENTIFICATION SIGN (1 OF 2)	B
S5	INTERPRETATION (1 OF 3)	D
S6	PARK IDENTIFICATION SIGN (2 OF 2)	B
S7	RULES AND REGULATIONS SIGN (2 OF 2)	C
S8	INTERPRETATION (2 OF 3)	D
S9	INTERPRETATION (3 OF 3) * SEE NOTE 9	D

Client/Owner:



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HATCH

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LANDRY PARK
SITE IMPROVEMENTS
WALTHAM, MA

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Designed By: DB, AK

Reviewed By: JMB

Scale: AS NOTED

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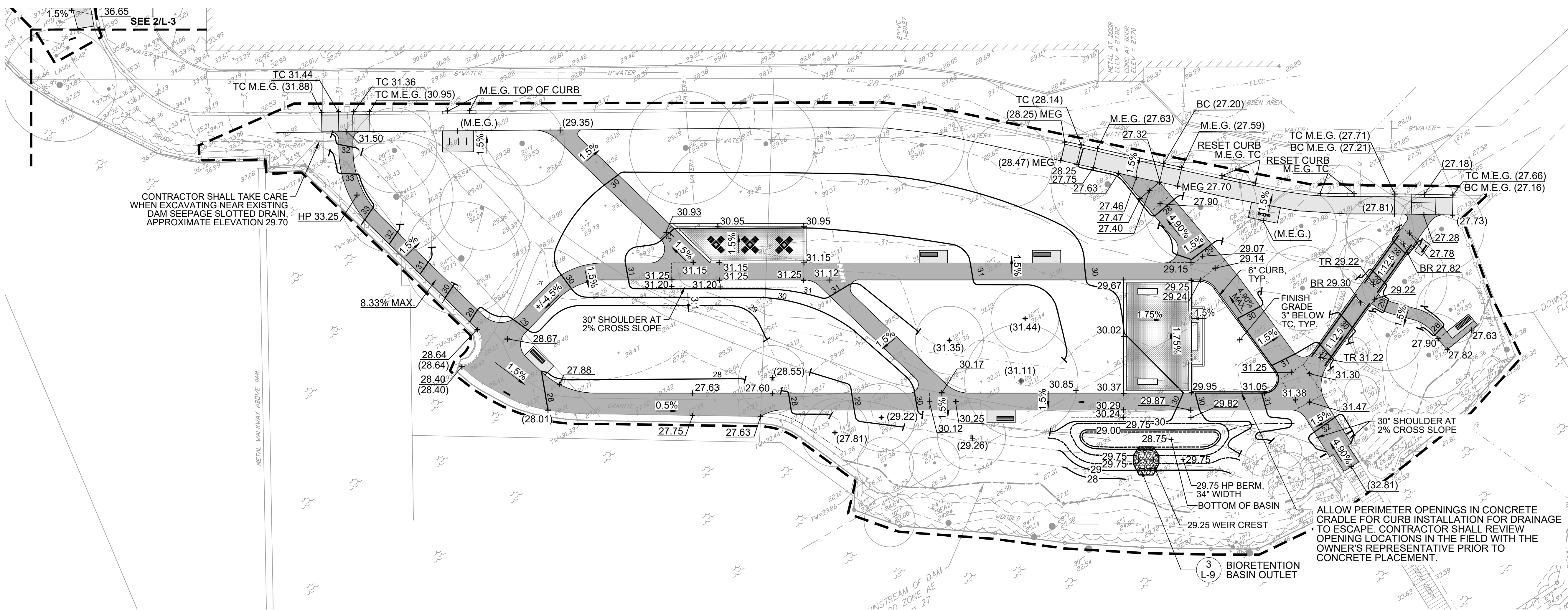
LAYOUT AND
MATERIALS PLAN

Sheet No:

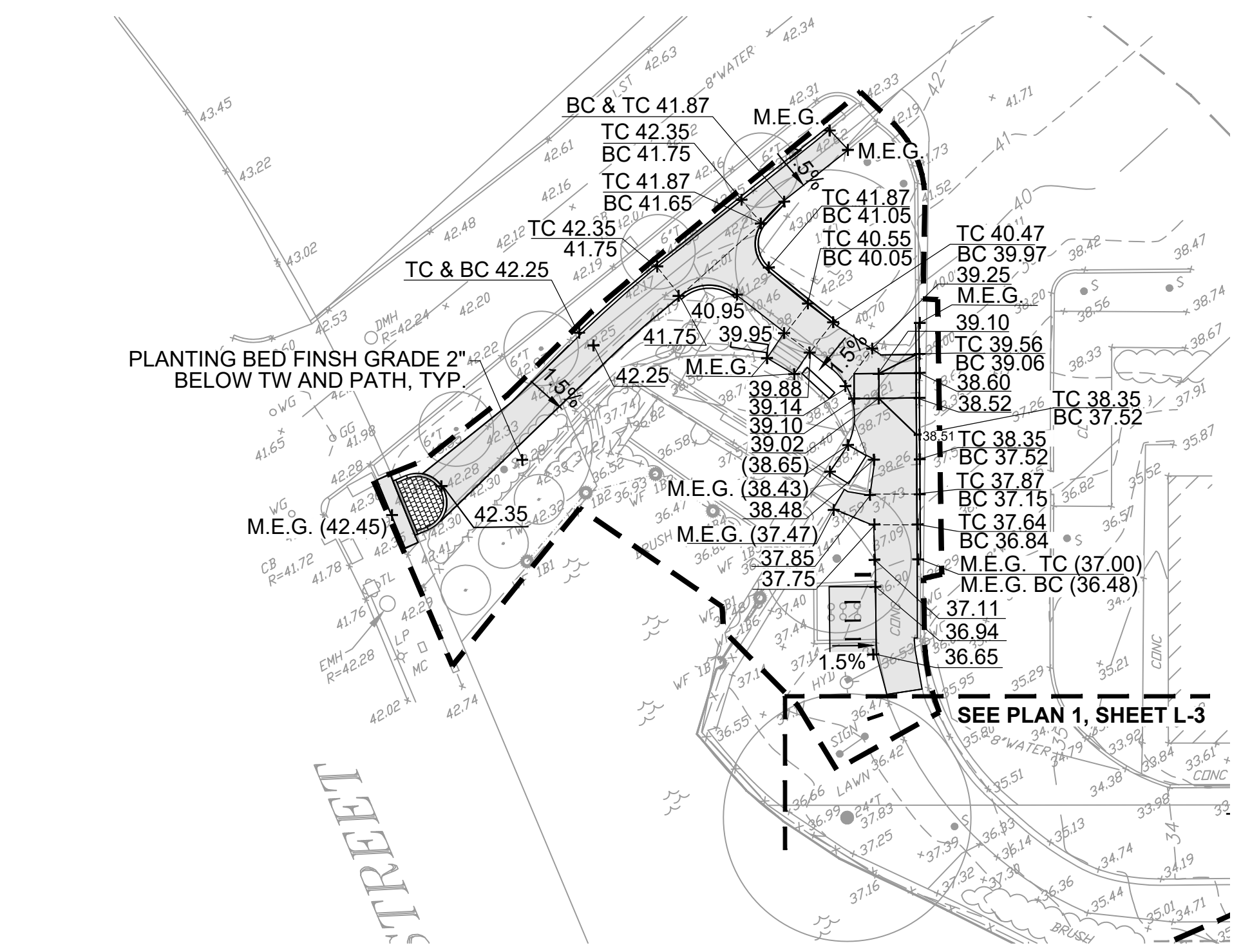
L-3

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1 GRADING AND DRAINAGE PLAN - MAIN PARK
SCALE: 1" = 20'-0"



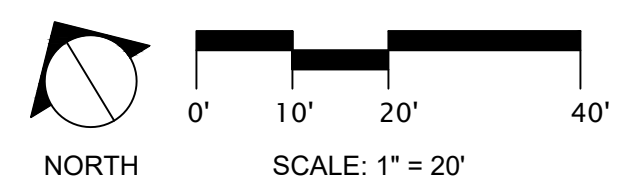
2 GRADING AND DRAINAGE PLAN - NORTH WEST CORNER
SCALE: 1" = 20'-0"

GRADING AND DRAINAGE NOTES:

- THE CONTRACTOR SHALL VERIFY ALL EXISTING GRADES IN THE FIELD AND SHALL REPORT ANY DISCREPANCIES BETWEEN THE EXISTING AND PROPOSED CONDITION TO THE OWNER'S REPRESENTATIVE.
- EXCAVATION REQUIRED WITHIN PROXIMITY OF KNOWN EXISTING UTILITY LINES SHALL BE DONE BY HAND. CONTRACTOR SHALL REPAIR ANY DAMAGE TO EXISTING UTILITY LINES OR STRUCTURES INCURRED DURING CONSTRUCTION OPERATIONS AT NO COST TO THE OWNER.
- CONTRACTOR IS CAUTIONED THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AND STRUCTURES, AS SHOWN ON THESE PLANS, IS BASED ON THE EXISTING SURVEY. THIS INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR, PRIOR TO THE START OF CONSTRUCTION, SHALL VERIFY THE LOCATION OF ALL UNDERGROUND UTILITIES AND STRUCTURES IN THE FIELD. THE CONTRACTOR MUST CONTACT THE APPROPRIATE UTILITY COMPANY, AND ANY GOVERNING PERMITTING AUTHORITY, AT LEAST 72 HOURS PRIOR TO ANY EXCAVATION WORK TO REQUEST THE EXACT FIELD LOCATION OF UTILITIES INTERFERING WITH THE PROPOSED CONSTRUCTION AND APPROPRIATE REMEDIAL ACTIONS TAKEN BEFORE PROCEEDING WITH THE WORK. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THE PLAN.
- ALL NEW PATHWAY GRADING MUST CONFORM TO CURRENT AMERICANS WITH DISABILITIES ACT (ADA), AND MASSACHUSETTS ARCHITECTURAL ACCESS BOARD (MAAB) REGULATIONS, UNLESS OTHERWISE DIRECTED BY THE OWNER'S REPRESENTATIVE. WALKWAYS SHALL MAINTAIN A CROSS PITCH OF NOT MORE THAN ONE AND A HALF (1.5%) PERCENT AND THE RUNNING SLOPE (PARALLEL TO THE DIRECTION OF TRAVEL) BETWEEN 1% MIN. AND 4.5% MAX. ANY DISCREPANCIES NOT ALLOWING THIS TO OCCUR SHALL BE REPORTED TO THE OWNERS REPRESENTATIVE PRIOR TO CONTINUING WORK.
- CONTRACTOR SHALL STAKE LIMITS OF SWALE AND BIORETENTION BASIN IN THE FIELD FOR REVIEW BY THE OWNER'S REPRESENTATIVE PRIOR TO COMMENCING EXCAVATION.
- CONTRACTOR SHALL NOTIFY OWNER'S REPRESENTATIVE UPON COMPLETION OF ROUGH GRADING OF SUBGRADE FOR REVIEW AND APPROVAL PRIOR TO COMMENCING PLACEMENT OF NEW SOILS OR HARDSCAPE BASE MATERIALS.
- WHERE NEW EARTHWORK MEETS EXISTING EARTHWORK, CONTRACTOR SHALL BLEND THE GRADES SMOOTHLY, PROVIDING VERTICAL CURVES OR ROUNDS AT ALL TOP AND BOTTOM OF SLOPES, AND ELIMINATE ROUGH SPOTS AND ABRUPT GRADE CHANGES.
- ALL PROPOSED PAVEMENTS SHALL EVENLY MEET THE LINE, GRADE AND EDGES OF EXISTING ADJACENT PAVEMENT SURFACES AS WELL THE TOP OF RAMPS AND BACK OF CURBS.
- ALL UTILITY GRATES, COVERS OR OTHER SURFACE ELEMENTS INTENDED TO BE EXPOSED AT GRADE SHALL BE FLUSH WITH THE ADJACENT FINISHED GRADE AND ADJUSTED TO PROVIDE A SMOOTH TRANSITION AT ALL EDGES.
- CONTRACTOR SHALL ENSURE ALL AREAS PROPERLY PITCH TO DRAIN, WITH NO SURFACE WATER PONDING OR PUDDLING.
- BENCH PADS SHALL NOT EXCEED 1.5% MAXIMUM SLOPE.
- CONTRACTOR SHALL BE RESPONSIBLE FOR ESTABLISHING AND MAINTAINING ALL CONTROL POINTS AND BENCH MARKS NECESSARY FOR THE WORK.

LEGEND

---	LIMIT OF WORK
37	PROPOSED CONTOUR
---	EXISTING CONTOUR
*24.50	EXISTING SPOT ELEVATION
+ 24.50	SPOT ELEVATION
HP 36.24	HIGH POINT
LP 36.24	LOW POINT
TC 36.24	TOP OF CURB
BC 36.24	BOTTOM OF CURB
TR 36.24	TOP OF RAMP
BR 36.24	BOTTOM OF RAMP
1.5%	SLOPE



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JASON BOBROWITZ
12112

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Revisions

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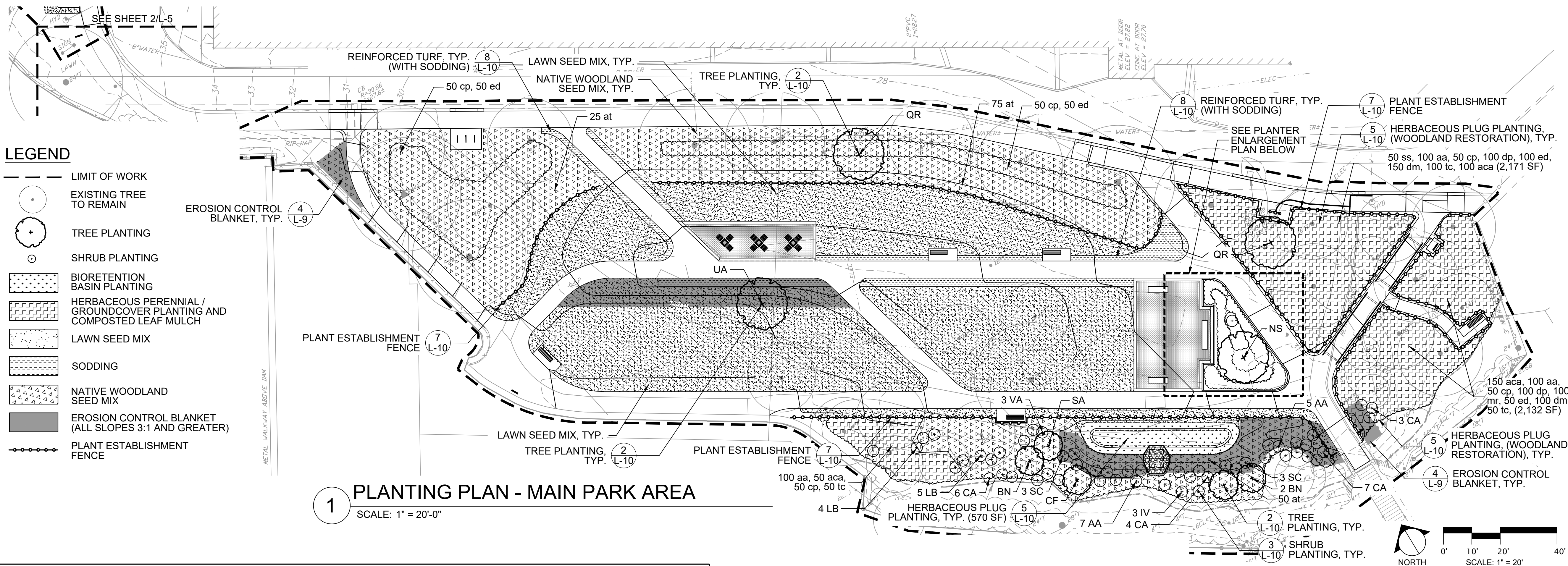
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GRADING AND DRAINAGE PLAN

Sheet No:

L-4

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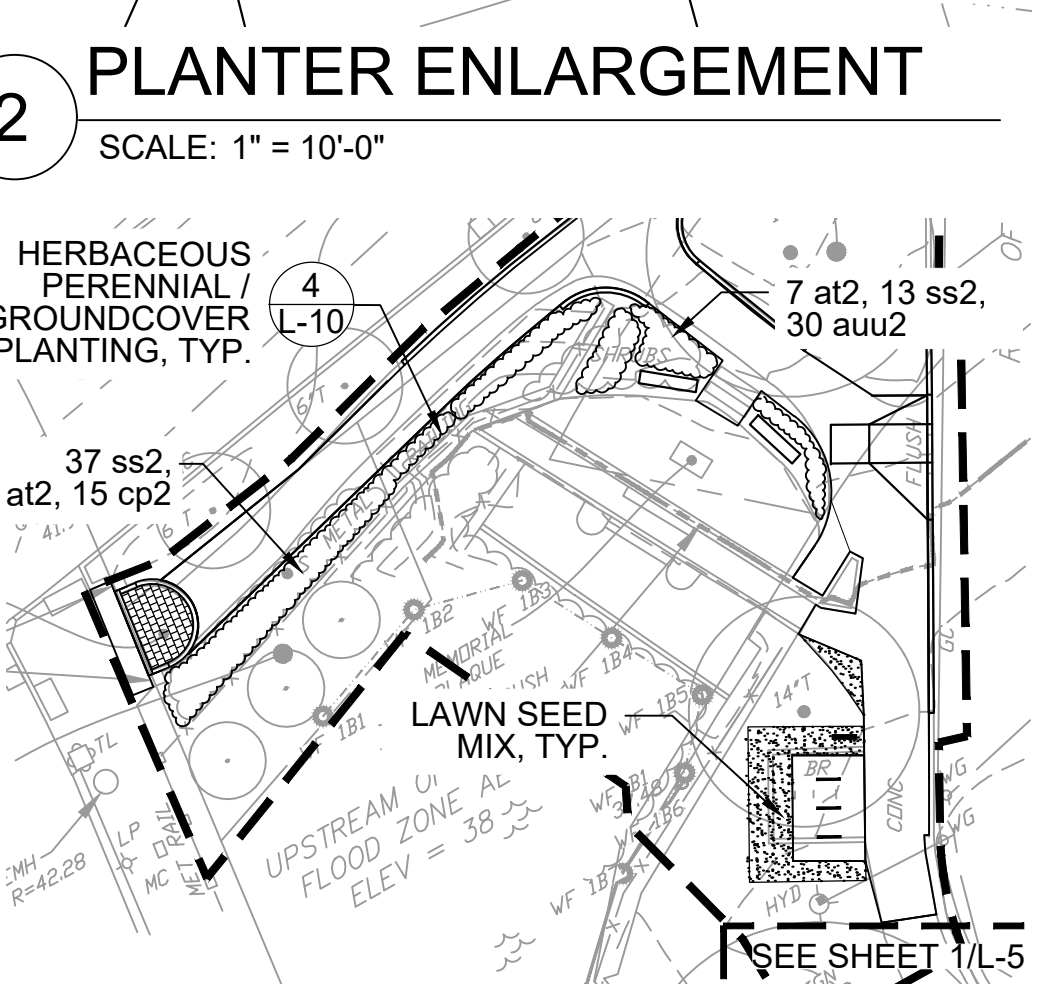
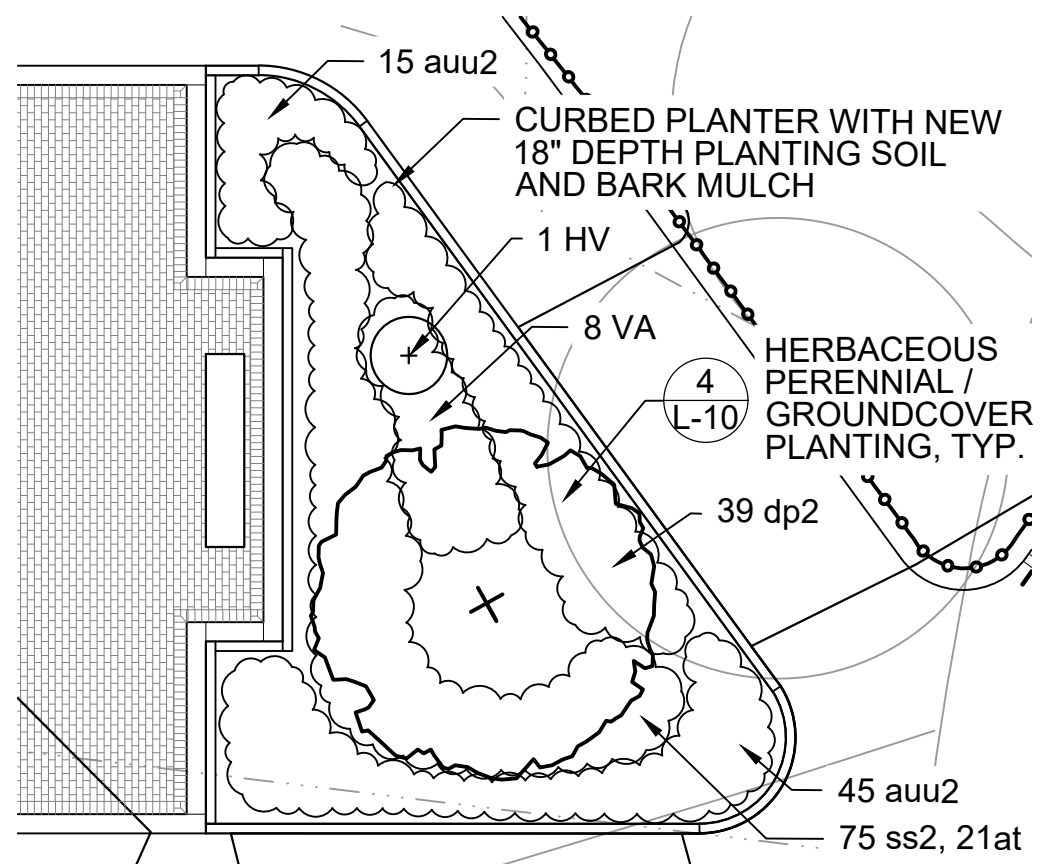


PLANT SCHEDULE - STRAIGHT NATIVE SPECIES ONLY

QTY.	ID	SCIENTIFIC NAME	COMMON NAME	SIZE	WETLAND STATUS	SHADE TOLERANCE	COMMENTS
TREES							
3	BN	Betula nigra	river birch	8' HT.	FACW	FULL SUN/PART SHADE	B&B, MULTI-STEM
1	CF	Cornus florida	flowering dogwood	8' HT.	FACU	FULL SUN/PART SHADE	B&B
1	NS	Nyssa sylvatica	black gum	2.5"-3" CAL.	FAC	FULL SUN/PART SHADE	B&B
2	QR	Quercus rubra	red oak	2.5"-3" CAL.	FACU	FULL SUN	B&B
1	SA	Sassafras albidum	sassafras	8' HT.	FACU	FULL SUN/PART SHADE	B&B
1	UA	Ulmus americana 'Princeton'	American elm	2.5"-3" CAL.	FACW	FULL SUN	B&B
9	Total						
SHRUBS							
12	AA	Aronia arbutifolia	red chokeberry	24" HT.	FACW	FULL SUN/PART SHADE	CONT.
20	CA	Clethra alnifolia	summersweet	24" HT.	FAC	SUN/PART SHADE	CONT.
1	HV	Hamamelis virginiana	common witch hazel	24" HT.	FACU	PART SHADE	CONT.
3	IV	Ilex verticillata	winterberry	24" HT.	FACW	FULL SUN/PART SHADE	CONT.
9	LB	Lindera benzoin	spicebush	24" HT.	FACW	PART SHADE	CONT.
6	SC	Sambucus canadensis	common elderberry	24" HT.	FACW	FULL SUN/PART SHADE	CONT.
11	VA	Viburnum acerifolium	mapleleaf viburnum	3' HT.	UPL	FULL SUN/PART SHADE	CONT.
62	Total						
HERBACEOUS - 12" SPACING							
300	aca	Asarum canadense	Canadian wild ginger	2.5" PLUG	UPL	PARTIAL/FULL SHADE	MIN. GROUPS OF 5
100	auu	Arctostaphylos uva-ursi	bearberry	2.5" PLUG	UPL	FULL SUN/PART SHADE	MIN. GROUPS OF 5
300	aa	Athyrium angustum	lady fern	2.5" PLUG	FAC	PARTIAL/FULL SHADE	MIN. GROUPS OF 5
150	at	Asclepias tuberosa	butterfly weed	2.5" PLUG	N/A	FULL SUN	MIN. GROUPS OF 5
250	cp	Carex pensylvanica	Pennsylvania sedge	2.5" PLUG	N/A	PARTIAL/FULL SHADE	MIN. GROUPS OF 5
200	dp	Dennstaedtia punctilobula	hay-scented fern	2.5" PLUG	UPL	PARTIAL SHADE	MIN. GROUPS OF 5
250	dm	Dryopteris marginalis	marginal woodfern	2.5" PLUG	FACU	PARTIAL/FULL SHADE	MIN. GROUPS OF 5
250	ed	Eurybia divaricata	white wood aster	2.5" PLUG	N/A	PARTIAL/FULL SHADE	MIN. GROUPS OF 5
100	mr	Maianthemum racemosum	false solomon's seal	2.5" PLUG	FACU	PARTIAL/FULL SHADE	MIN. GROUPS OF 5
50	ss	Schizachyrium scoparium	little bluestem	2.5" PLUG	FACU	FULL SUN	MIN. GROUPS OF 5
200	tc	Tiarella cordifolia	foamflower	2.5" PLUG	FACU	PARTIAL/FULL SHADE	MIN. GROUPS OF 5
2150	Total						
BIORETENTION BASIN							
50	at	Asclepias tuberosa	butterfly weed	2.5" PLUG	N/A	FULL SUN	15" SPACING
50	jc	Juncus canadensis	Canada rush	2.5" PLUG	N/A	FULL SUN/PART SHADE	15" SPACING
50	je	Juncus effusus	soft rush	2.5" PLUG	OBL	FULL SUN/PART SHADE	15" SPACING
50	pv	Panicum virgatum	switchgrass	2.5" PLUG	FAC	FULL SUN/PART SHADE	18" SPACING
100	ss	Schizachyrium scoparium	little bluestem	2.5" PLUG	FACU	FULL SUN	15" SPACING
300	Total						
PLANTER AND NORTHWEST ENTRY AREA							
90	auu2	Arctostaphylos uva-ursi	bearberry	1 GAL.	UPL	FULL SUN/PART SHADE	18" SPACING
46	at2	Asclepias tuberosa	butterfly weed	1 GAL.	N/A	FULL SUN	18" SPACING
15	cp2	Carex pensylvanica	Pennsylvania sedge	1 GAL.	N/A	PARTIAL/FULL SHADE	18" SPACING
39	dp2	Dennstaedtia punctilobula	hay-scented fern	1 GAL.	UPL	PARTIAL SHADE	18" SPACING
125	ss2	Schizachyrium scoparium	little bluestem	1 GAL.	FACU	FULL SUN	18" SPACING
315	Total						

PLANTING NOTES:

- ALL LANDSCAPE AND SEEDED AREAS OUTSIDE OF EXISTING TREE DRIP LINES SHALL RECEIVE 6" DEPTH NEW TURF SOIL MIX, SEE SPECIFICATION SECTION, 32 91 13 PLANTING SOILS.
- CURBED PLANTER AREA SHALL RECEIVE 24" DEPTH NEW PLANTING SOIL, SEE SPECIFICATION SECTION, 32 91 13 PLANTING SOILS.
- ALL TREE, SHRUB AND HERBACEOUS PLANTINGS SHALL BE BACKFILLED WITH NEW PLANTING SOIL.
- THE PROJECT ARCHAEOLOGIST (PAL) MUST BE PRESENT TO OBSERVE ALL EXCAVATION GREATER THAN 2-FEET IN DEPTH FROM EXISTING GRADE. CONTRACTOR SHALL PROVIDE WRITTEN NOTIFICATION TO PAL AND OWNER'S REPRESENTATIVE ONE WEEK PRIOR TO COMMENCING THIS WORK.
- CONTRACTOR SHALL LOCATE EXISTING AND PROPOSED UTILITIES TO VERIFY PROPOSED PLANT LOCATIONS AND SHALL REPORT ANY CONFLICTS TO THE OWNER'S REPRESENTATIVE.
- ACCEPTANCE OF FINAL GRADING AND EROSION CONTROL BLANKET MUST BE PROVIDED BY THE OWNER'S REPRESENTATIVE PRIOR TO COMMENCING PLANTING OPERATIONS.
- EROSION CONTROL BLANKET IS NOT LIMITED TO LOCATIONS SHOWN. EROSION CONTROL BLANKET SHALL BE PROVIDED FOR ALL 3:1 SLOPES AND GREATER. LIMITS OF EROSION CONTROL SHALL BE REVIEWED WITH THE OWNER'S REPRESENTATIVE PRIOR TO SEEDING AND BLANKET INSTALLATION.
- ALL PLANTS SHALL BE STRAIGHT SPECIES (NO CULTIVARS) UNLESS OTHERWISE NOTED.
- CONTRACTOR SHALL IDENTIFY SOURCING FOR ALL PLANT MATERIAL WITHIN TWO-WEEKS (14) DAYS OF AWARD OF CONTRACT.
- SUBSTITUTIONS OF PLANT SPECIES SHALL NOT BE ALLOWED UNLESS PROOF IS PROVIDED AN INDIVIDUAL SPECIES IS NOT COMMERCIALY AVAILABLE. SUBSTITUTIONS SHALL REQUIRE WRITTEN APPROVAL BY THE OWNER'S REPRESENTATIVE.
- ALL PLANTS SHALL BE APPROVED BY THE LANDSCAPE ARCHITECT AT THE NURSERY PRIOR TO DELIVERY TO SITE. TAGGING REPRESENTATIVE SHRUBS AND HERBACEOUS PLANTS MAY BE ACCEPTABLE WITH PRIOR APPROVAL.
- IF DISCREPANCIES EXIST BETWEEN NUMBER OF PLANTS ON THE PLANTING PLAN AND IN THE PLANT SCHEDULE, THE PLANTING PLAN SHALL GOVERN.
- LOCATIONS OF ALL PROPOSED PLANTING SHALL BE FLAGGED ON-SITE FOR APPROVAL BY THE OWNER'S REPRESENTATIVE PRIOR TO PLANTING.
- INSTALLATION OF HERBACEOUS MATERIAL IN MIXED PLANTING BEDS SHALL OCCUR ONLY AFTER SHRUBS AND/OR TREES HAVE BEEN INSTALLED.
- SEED ALL DISTURBED AREAS. OWNER'S REPRESENTATIVE SHALL REVIEW ALL SEEDING OUTSIDE LIMIT OF WORK FOR APPROVAL OF SEED MIX.
- ALL SEEDED AREAS MUST BE PROTECTED BY EITHER CONSTRUCTION FENCING OR SEED ESTABLISHMENT FENCING. FENCING SHALL BE IN PLACE IMMEDIATELY FOLLOWING SEED APPLICATION UNTIL GERMINATION IS COMPLETE. THE MAIN 9-FOOT PATH MAY BE OPENED PRIOR TO THE REST OF THE SITE AT THE DIRECTION OF THE OWNER. THE CONTRACTOR SHALL ADJUST FENCING AS NECESSARY AT NO ADDITIONAL COST TO THE OWNER.
- WATERING OF INSTALLED PLANTS AND SEEDED AREAS, SHALL OCCUR WITHIN 24 HOURS OF THE SAME DAY OF PLANTING INSTALLATION OR SEED APPLICATION AND CONTINUE AS SPECIFIED.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPLACING ALL DAMAGED, STOLEN, DEAD, DECLINING OR LOST PLANT MATERIAL UNTIL THE COMPLETION OF THE MAINTENANCE AND GUARANTEE PERIODS.
- EX. TREE PRUNING SHALL BE IN ACCORDANCE WITH SPEC SECTION, 024110 SITE PREPARATION.
- SEE SHEET I-1 FOR LANDSCAPE IRRIGATION PLAN.



Client/Owner:



Massachusetts Department of Conservation and Recreation
State Transportation Building, 10 Park Plaza,
Suite 6620
Boston, MA 02116

HATCH

260 Franklin Street, Suite 1010
Boston, MA 02110
tel. 978.224.3123 www.hatch.com

Stamp:



Project:

LANDRY PARK
SITE IMPROVEMENTS
WALTHAM, MA

BID DOCUMENTS

Contract Number: P25-3586-C11A

Hatch Project Number: H-371610

Date: JUNE 30, 2025

Drawn By: MP, JN

Designed By: DB, AK

Reviewed By: JMB

Scale: AS NOTED

Revisions

Number:	Description:	Date:
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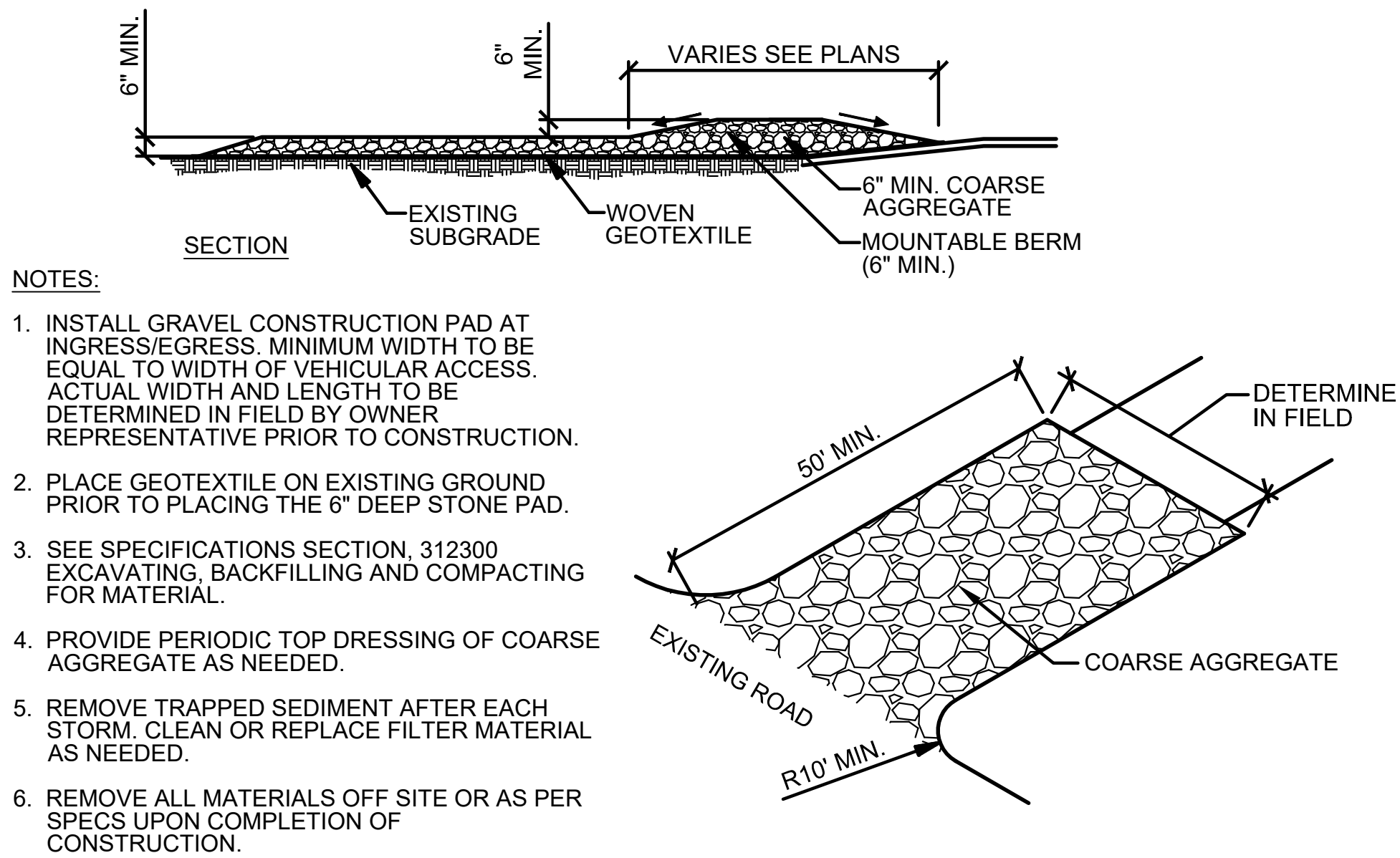
**PLANTING PLAN &
PLANT SCHEDULE**

Sheet No:

L-5

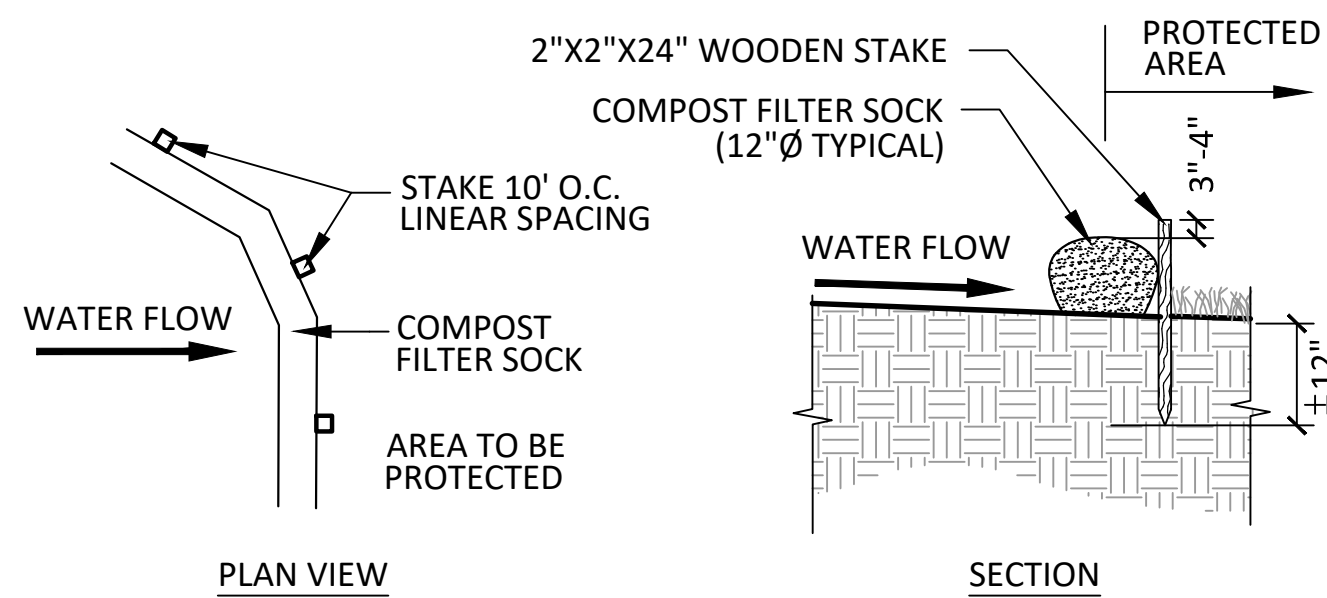
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Sheet 6 of 21



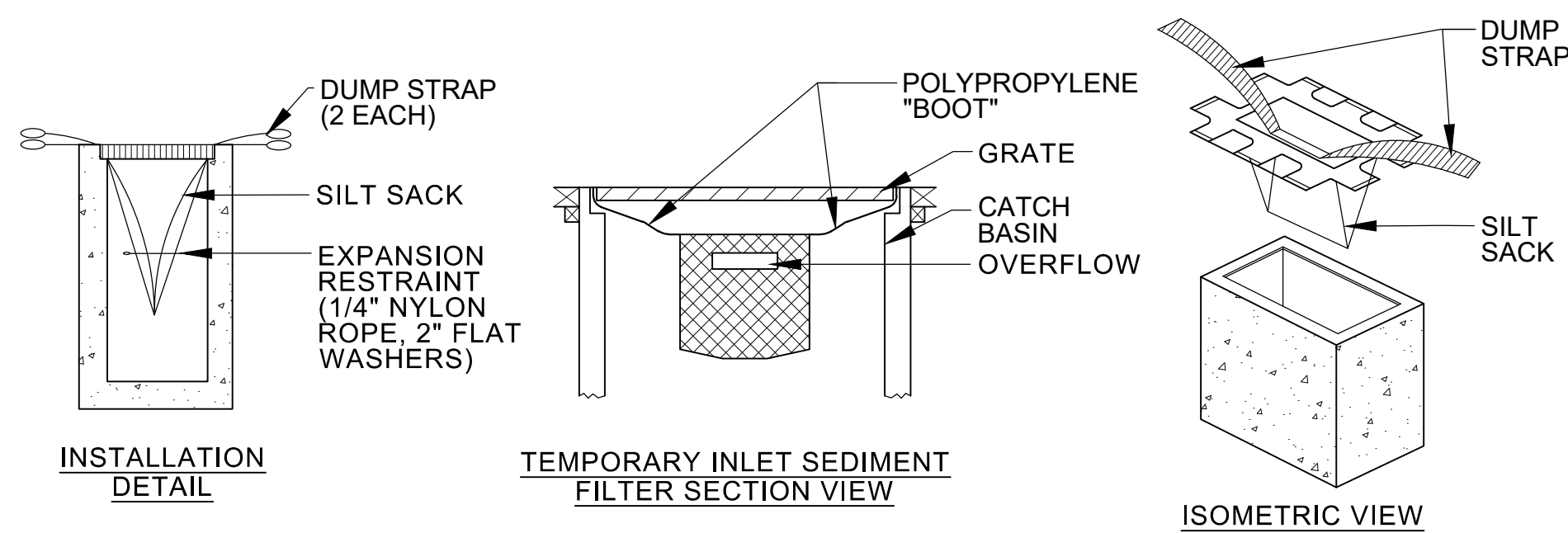
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SCALE: NTS



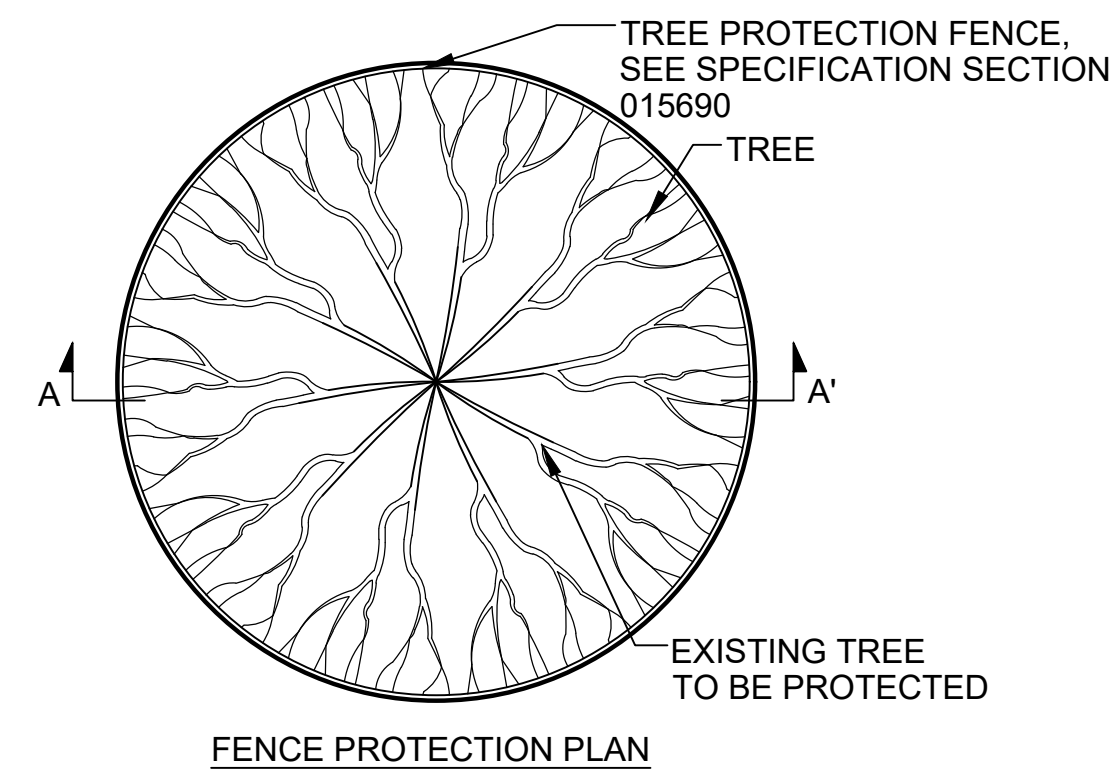
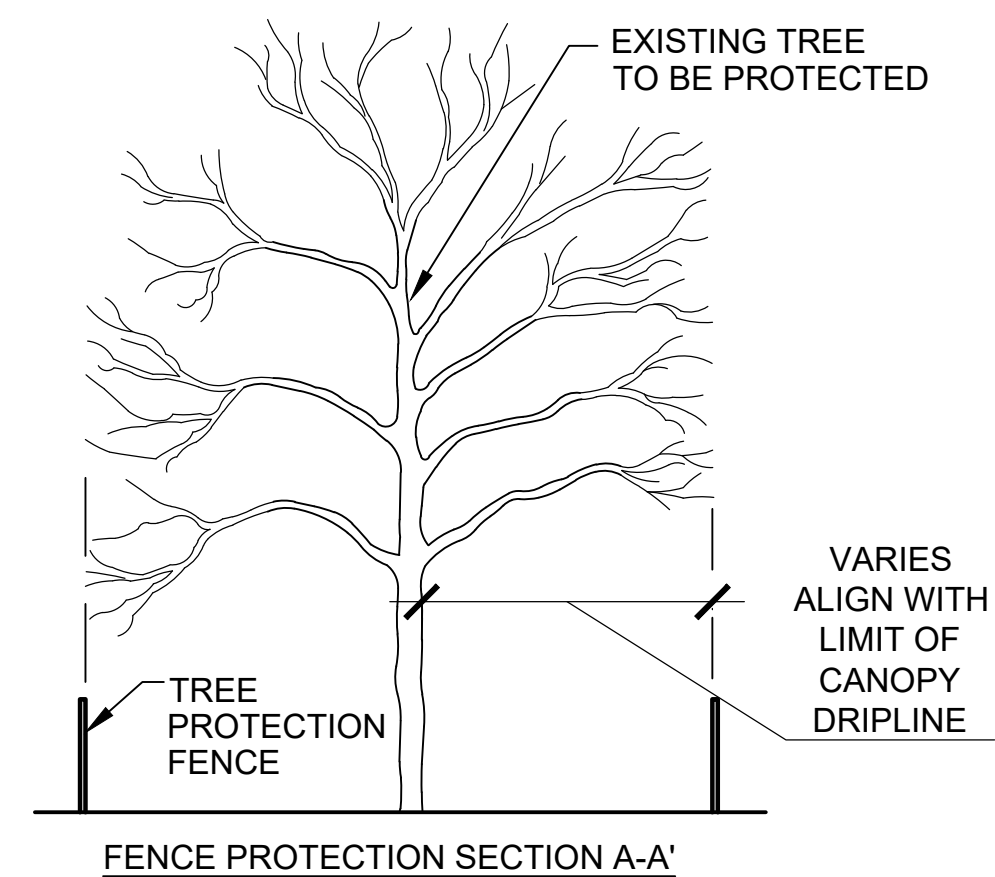
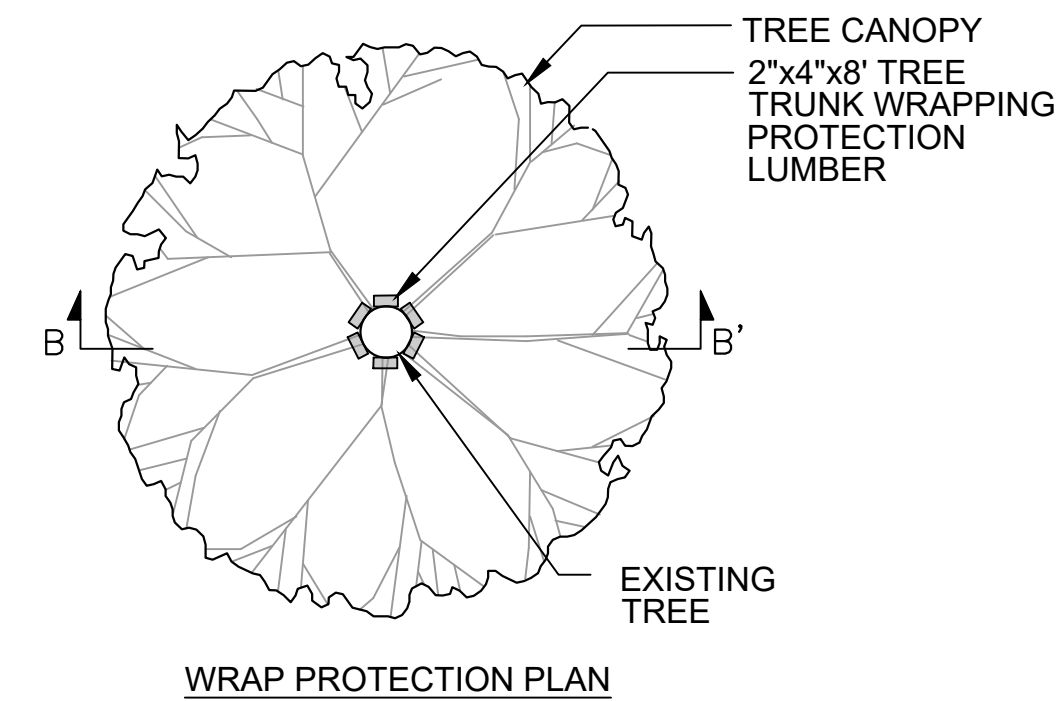
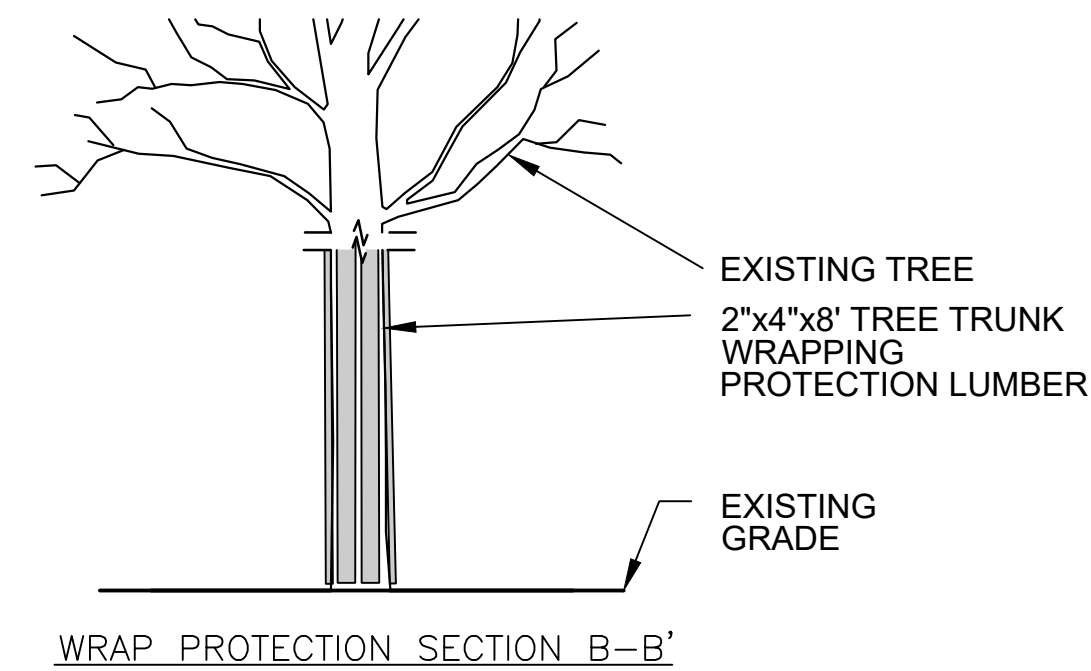
3 COMPOST FILTER SOCK

SCALE: NTS



2 CATCH BASIN SILT SACK

SCALE: NTS



- NOTE:**
1. ALL TREE PROTECTION SHALL BE INSTALLED PRIOR TO ANY CONSTRUCTION ACTIVITIES AND MAINTAINED IN GOOD CONDITION THROUGHOUT THE CONSTRUCTION PERIOD.
 2. SEE L-2 SITE PREPARATION PLAN FOR LAYOUT OF TREE PROTECTION.

1 TREE PROTECTION FENCE AND WRAP

SCALE: NTS

Client/Owner:



Massachusetts Department of Conservation and Recreation
State Transportation Building, 10 Park Plaza,
Suite 6620
Boston, MA 02116

HATCH

260 Franklin Street, Suite 1010
Boston, MA 02110
tel. 978.224.3123 www.hatch.com

Stamp:



Project:

**LANDRY PARK
SITE IMPROVEMENTS**
WALTHAM, MA

BID DOCUMENTS

Contract Number: P25-3586-C11A

Hatch Project Number: H-371610

Date: JUNE 30, 2025

Drawn By: JN

Designed By: AK

Reviewed By: EA, JMB

Scale: AS NOTED

Revisions

Number: Description: Date:

Sheet Title:

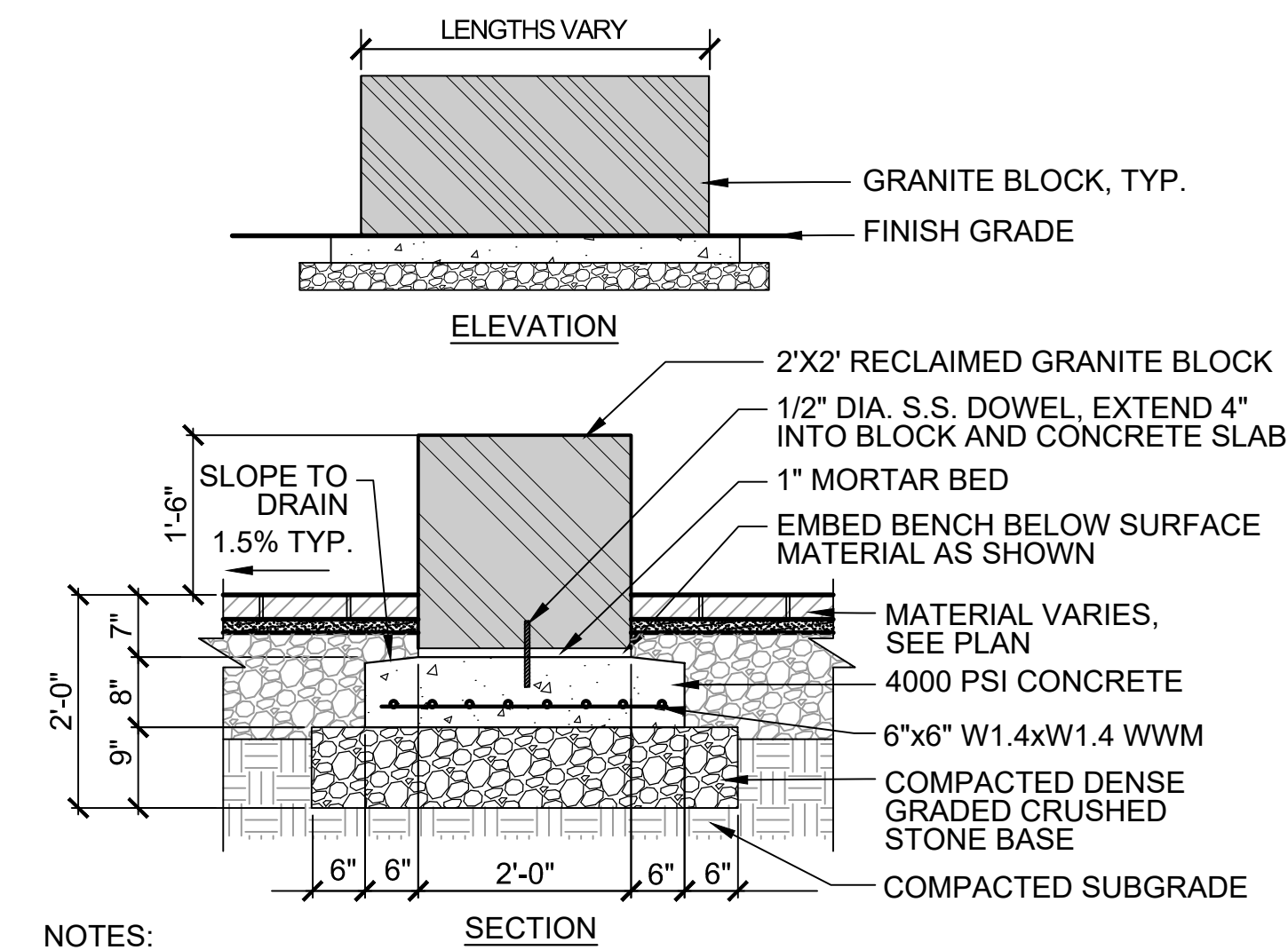
**SITE
DETAILS**

Sheet No:

L-6

Acc No: 104899x

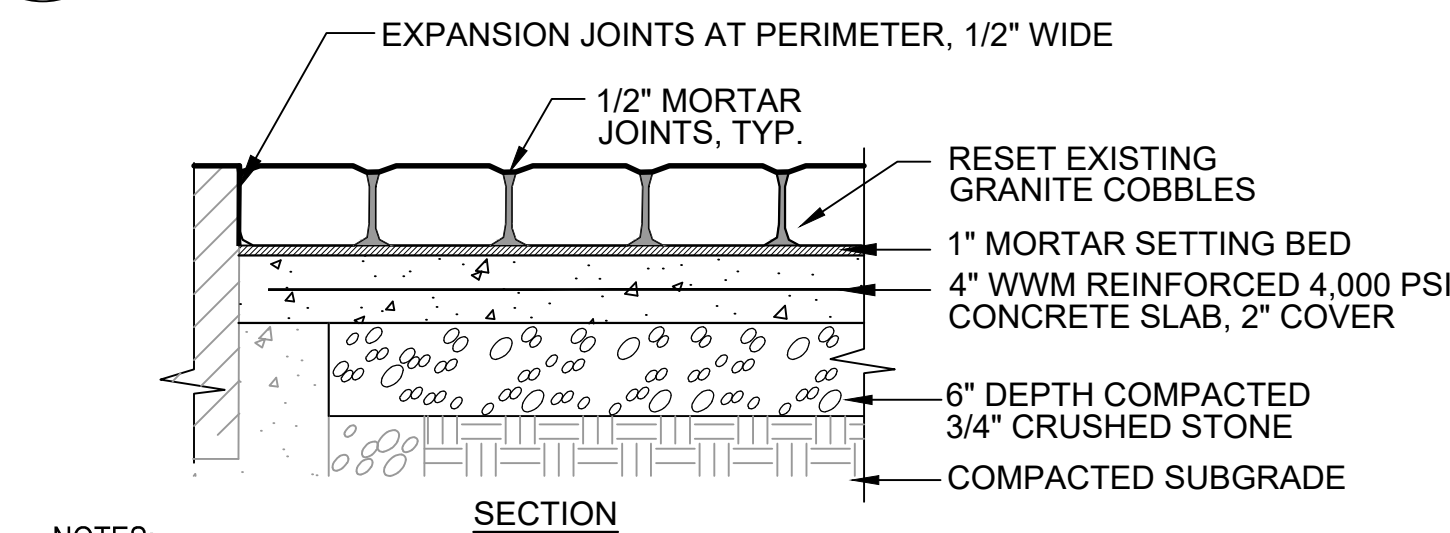
Sheet 7 of 21



- NOTES:**
1. ALL GRANITE BLOCK BENCH GRANITE SHALL MATCH IN CHARACTER AND COLOR.
 2. ALL GRANITE BLOCK BENCHES SHALL BE ONE SINGLE MONOLITHIC GRANITE STONE.
 3. CONTRACTOR SHALL MARK GRANITE BLOCK LOCATIONS FOR REVIEW AND APPROVAL BY THE OWNER'S REPRESENTATIVE PRIOR TO COMMENCING INSTALLATION.

9 GRANITE BLOCK BENCH

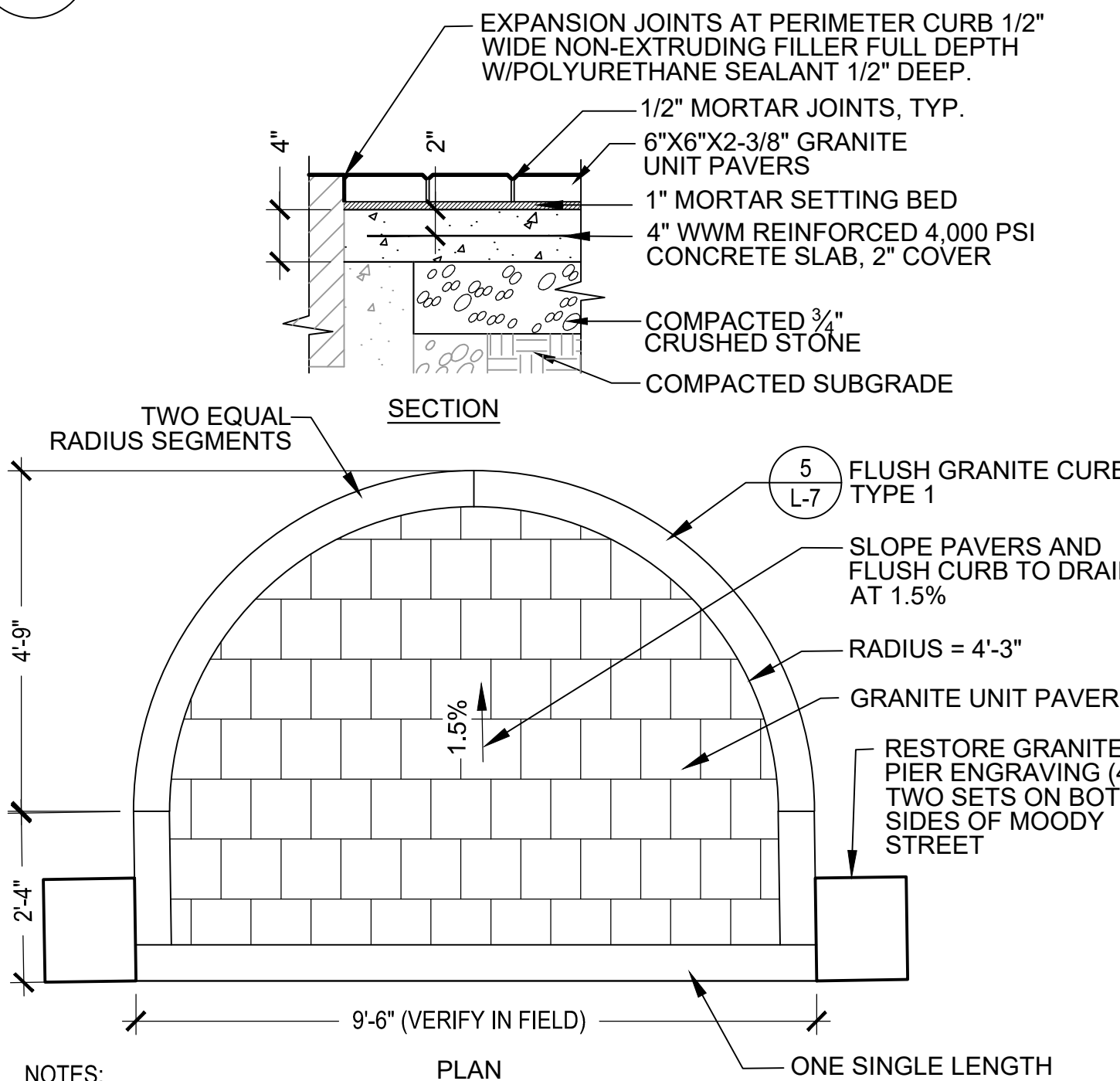
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- NOTES:**
1. LAYOUT TO BE APPROVED BY THE OWNER'S REPRESENTATIVE PRIOR TO INSTALLATION.

8 RE-SET GRANITE COBBLE PAVING

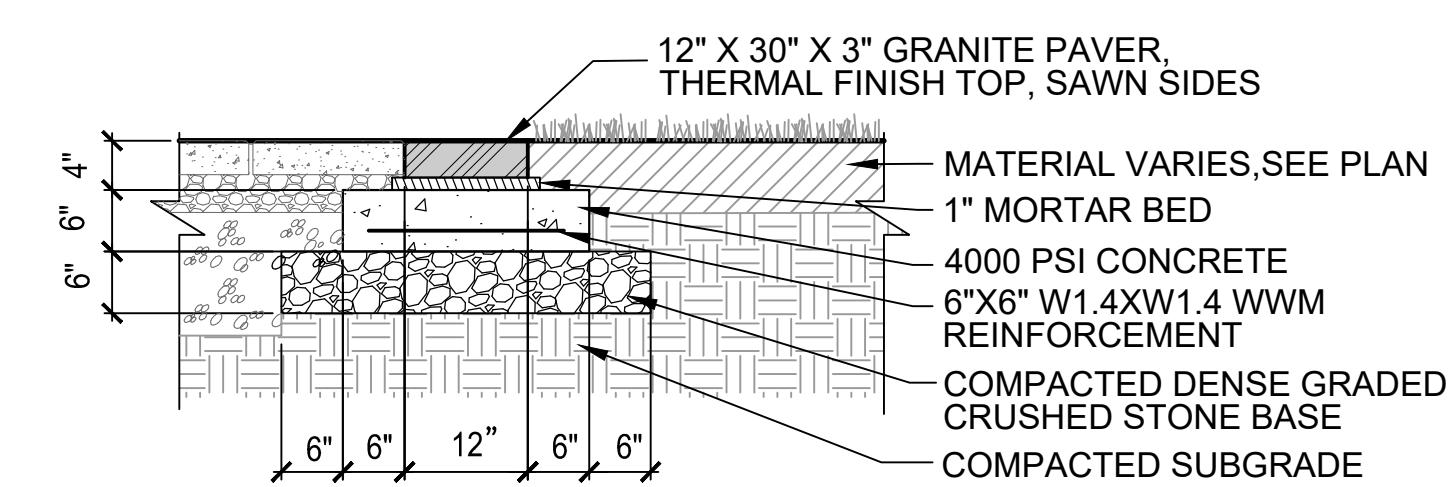
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- NOTES:**
1. CONTRACTOR TO SUBMIT GRANITE PAVER SAMPLE FOR APPROVAL BY THE OWNER'S REPRESENTATIVE.
 2. CONTRACTOR SHALL CONFIRM DIMENSIONS AND DISTANCE BETWEEN GRANITE PIERS AND REPORT ANY DISCREPANCIES TO THE OWNER'S REPRESENTATIVE.
 3. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS.
 4. RADIAL CURBS TO BE EQUAL LENGTH SEGMENTS.

7 GRANITE UNIT PAVER

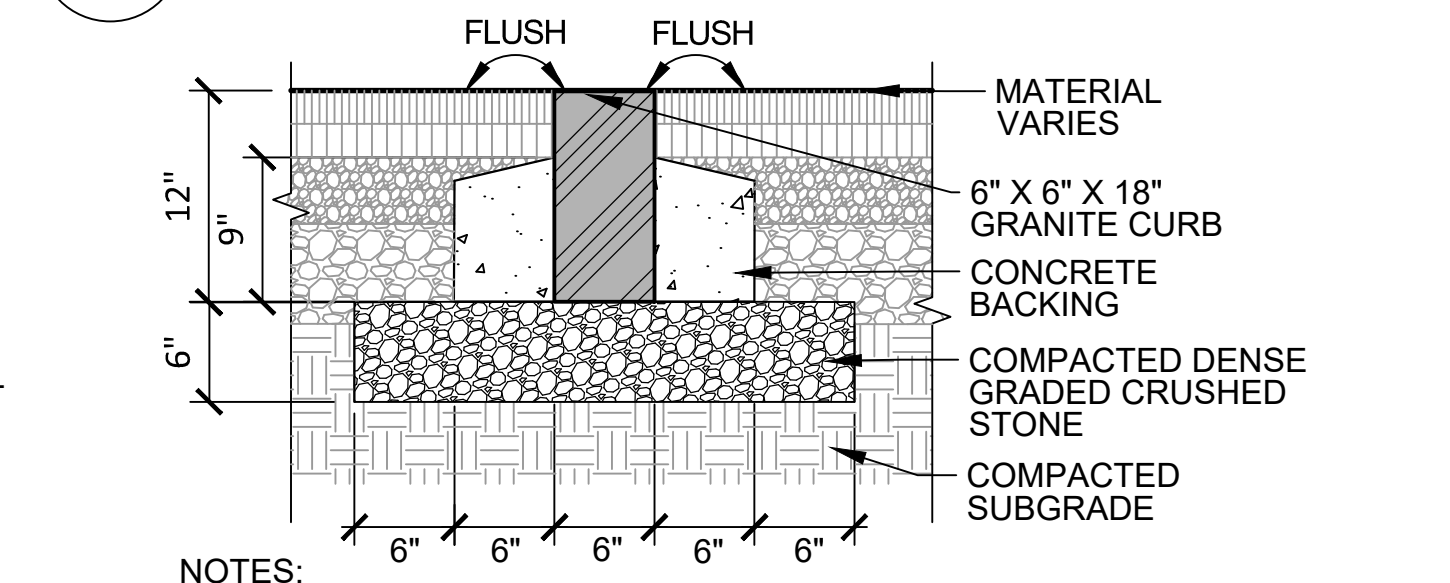
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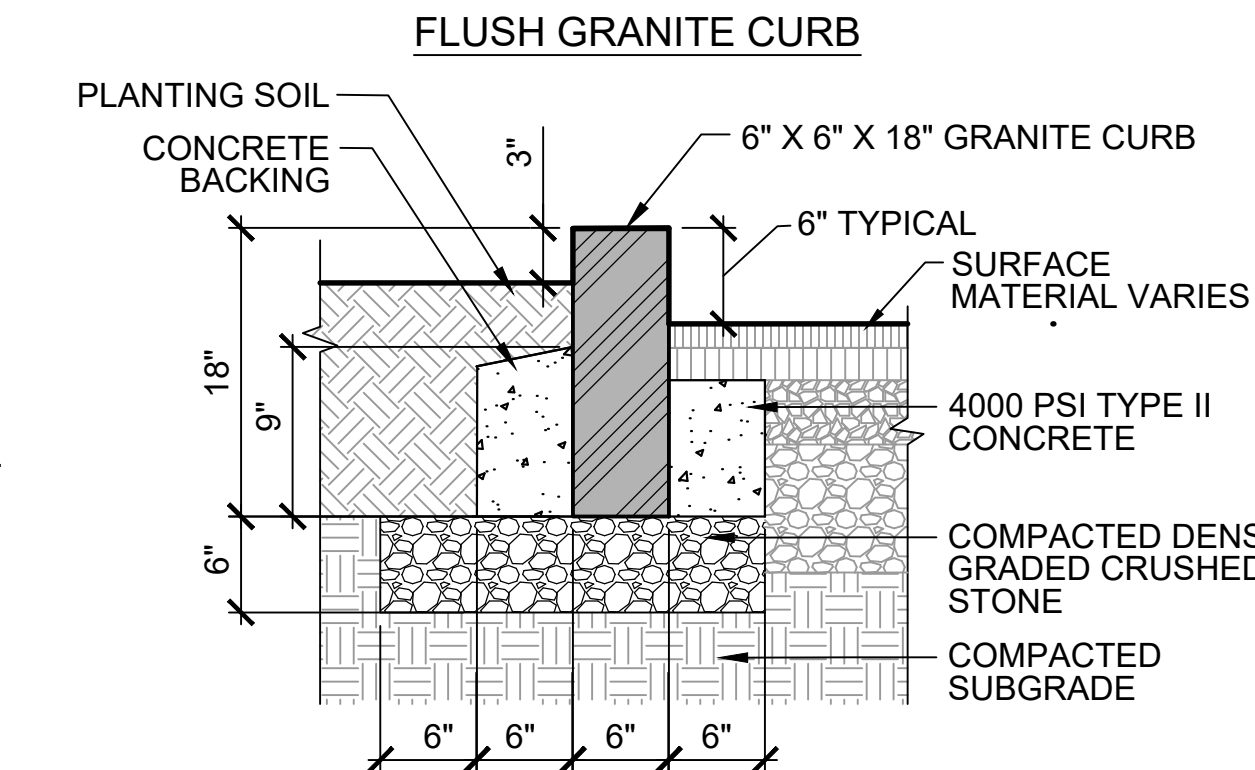
- NOTES:**
1. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR APPROVAL SHOWING COMPLETE LAYOUT AND ALL PAVER DIMENSIONS.

6 GRANITE BAND PAVING

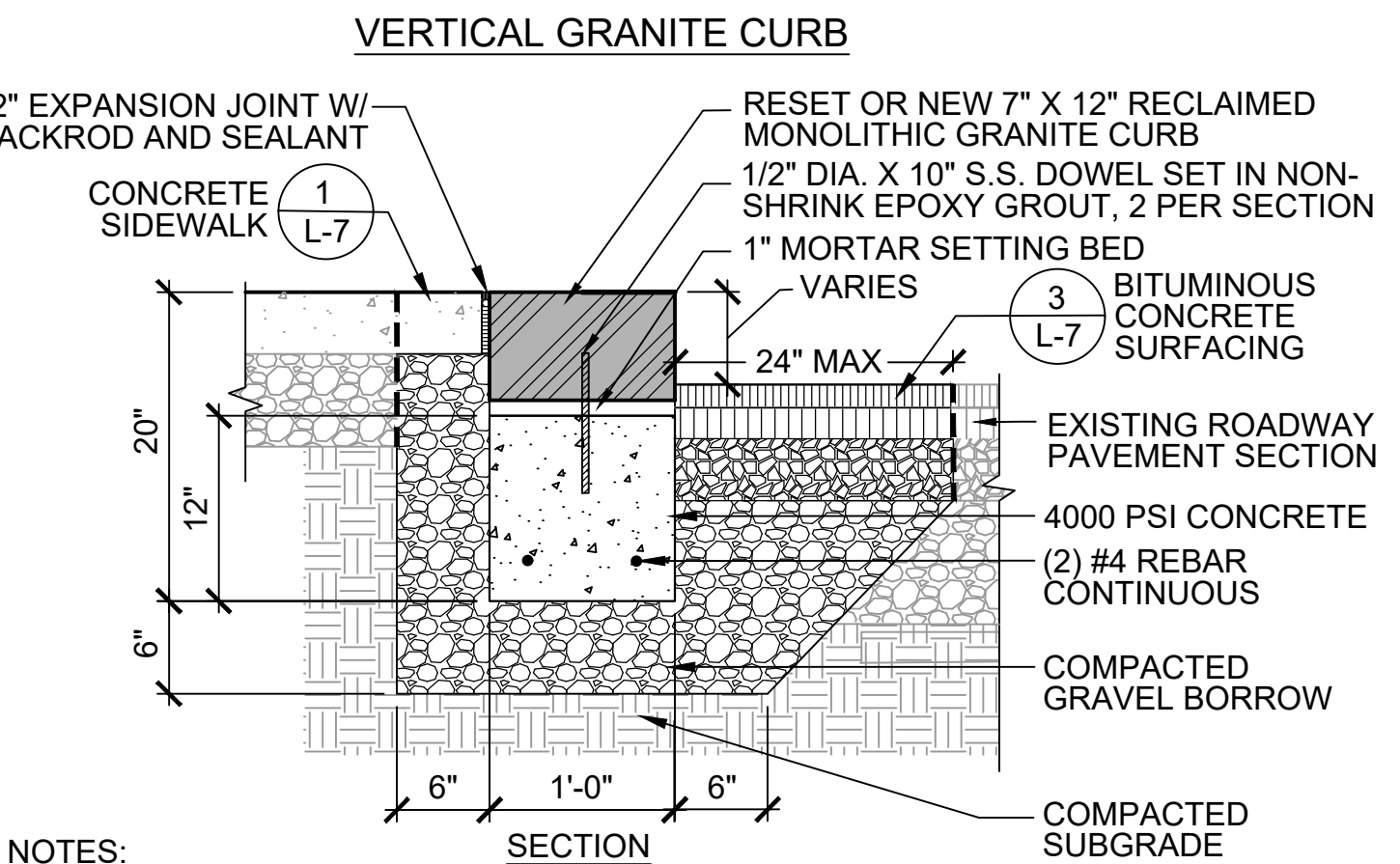
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- NOTES:**
1. CONTRACTOR TO SUBMIT SHOP DRAWINGS INDICATING ALL DIMENSIONS AND FINISHES.
 2. TOP SHALL HAVE THERMAL FINISH.



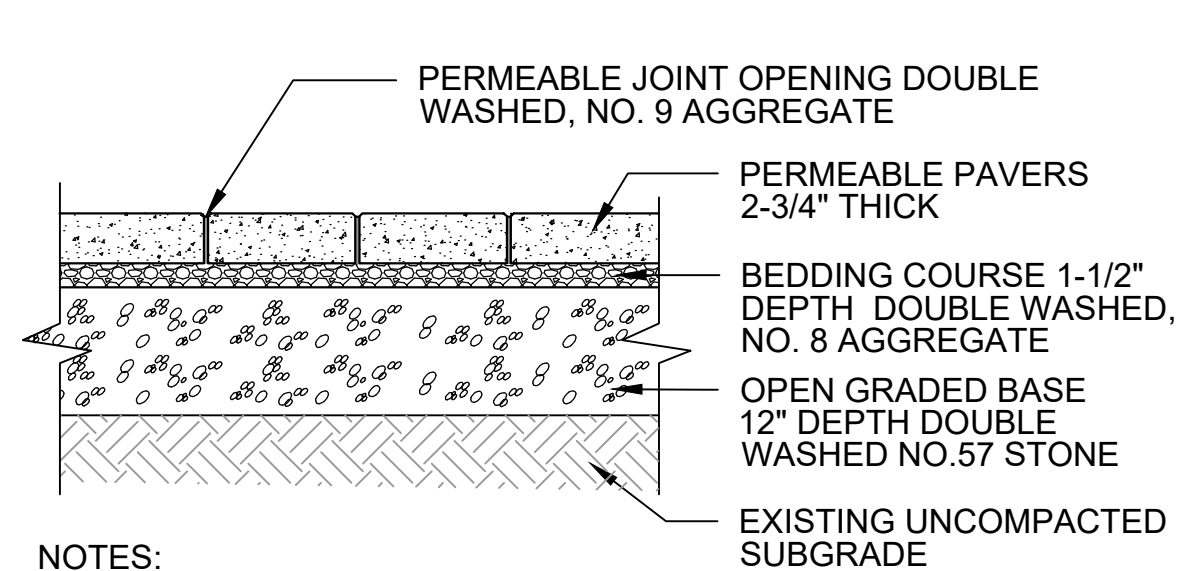
- NOTES:**
1. REFER TO MASSDOT DETAIL E 106.3.0 FOR THE STATE STANDARD METHOD OF SETTING VERTICAL CURB.
 2. CONTRACTOR TO SUBMIT SHOP DRAWINGS.



- NOTES:**
1. EXISTING MONOLITHIC GRANITE CURB TO BE RESET. ANY NEW MONOLITHIC GRANITE CURBING SHALL MATCH THE SIZE AND CHARACTER OF EXISTING VERTICAL CURB. NEW MONOLITHIC GRANITE CURB SHALL BE APPROVED BY THE OWNER'S REPRESENTATIVE PRIOR TO PROCUREMENT.
 2. EXISTING CURBING DIMENSIONS MAY VARY. CONTRACTOR SHALL CONFIRM CURBING SIZE IN THE FIELD AND COORDINATE INSTALLATION APPROACH WITH OWNER'S REPRESENTATIVE PRIOR TO SETTING CURB.

5 GRANITE CURB

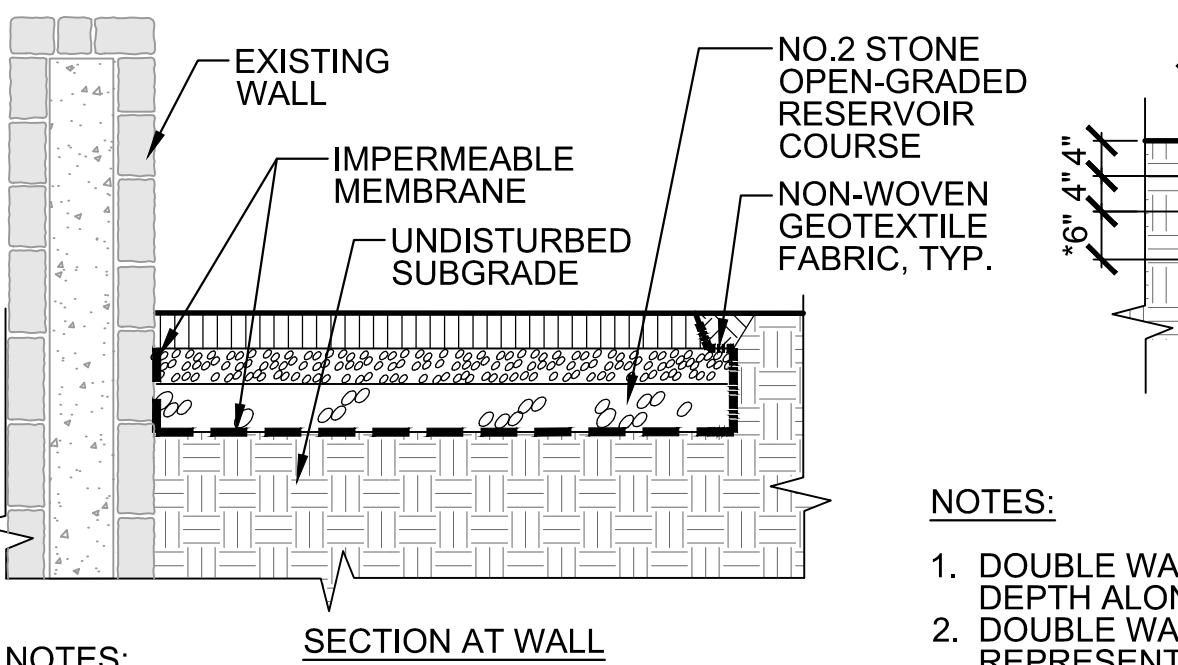
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- NOTES:**
1. NON-WOVEN GEOTEXTILE FABRIC SHALL BE PLACED ALONG SIDES OF PERMEABLE PAVER SECTION (SAME AS POROUS ASPHALT SURFACING DETAIL 2, SHEET L-7).
 2. CONTRACTOR SHALL NOTIFY OWNER'S REPRESENTATIVE WHEN EXCAVATED SUBGRADE IS READY FOR ONSITE REVIEW PRIOR TO COMMENCING PLACEMENT OF DOUBLE WASHED BASE STONE.
 3. DOUBLE WASHED STONE SHALL BE REVIEWED ON SITE BY OWNER'S REPRESENTATIVE. STONE WITH SEDIMENT SHALL BE REJECTED.
 4. CONTRACTOR SHALL COMPLETE TESTING AS REQUIRED IN SPECIFICATION SECTION 321443.11.
 5. CONTRACTOR TO CONSTRUCT SAMPLE FOR APPROVAL BY OWNER'S REPRESENTATIVE PRIOR TO CONTINUING PAVER INSTALLATION.

4 PERMEABLE UNIT PAVERS

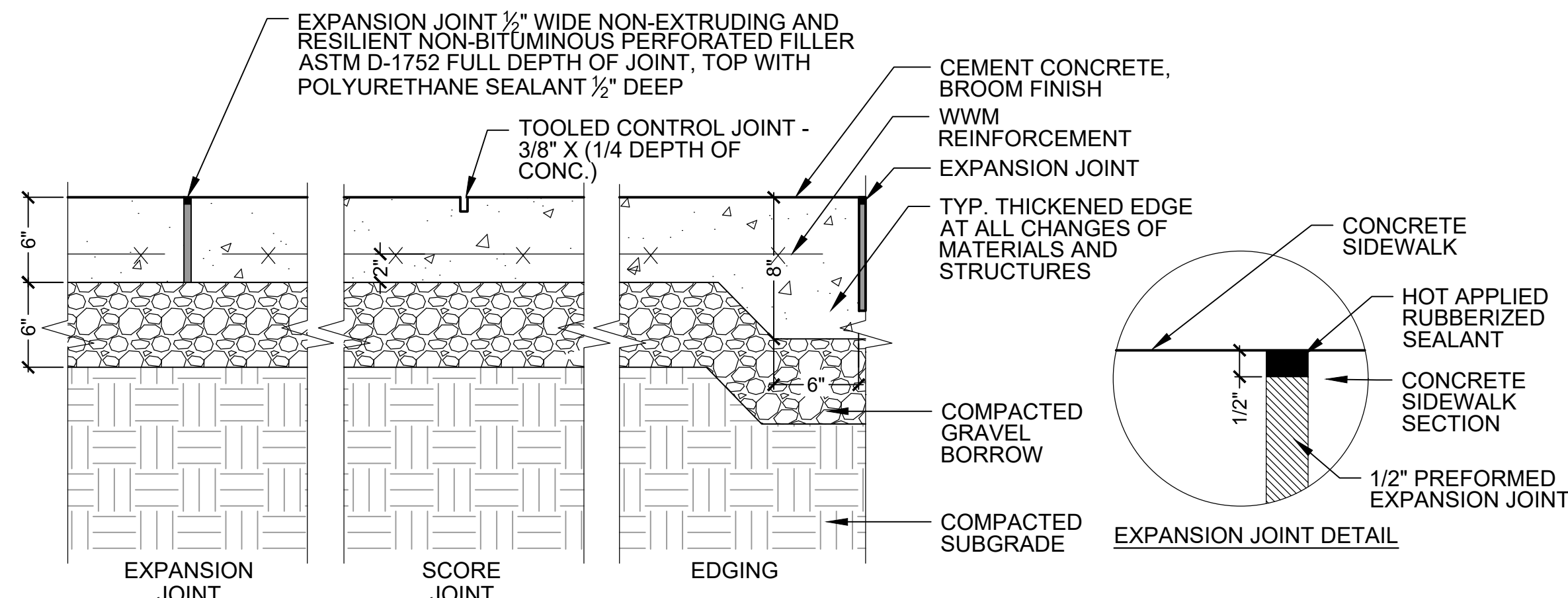
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- NOTES:**
1. IMPERMEABLE MEMBRANE SHALL BE PLACED AGAINST WALL VERTICALLY AND ALONG BOTTOM (BELOW RESERVOIR STONE) IN AREAS ADJACENT TO WALL AS INDICATED ON PLANS.
 2. ALL SUBGRADE SHALL BE APPROVED BY THE OWNER'S REPRESENTATIVE PRIOR TO ANY PLACEMENT OF IMPERMEABLE LINER.
 3. SEE SPEC SECTION 321243 FOR IMPERMEABLE LINER.

2 POROUS ASPHALT SURFACING

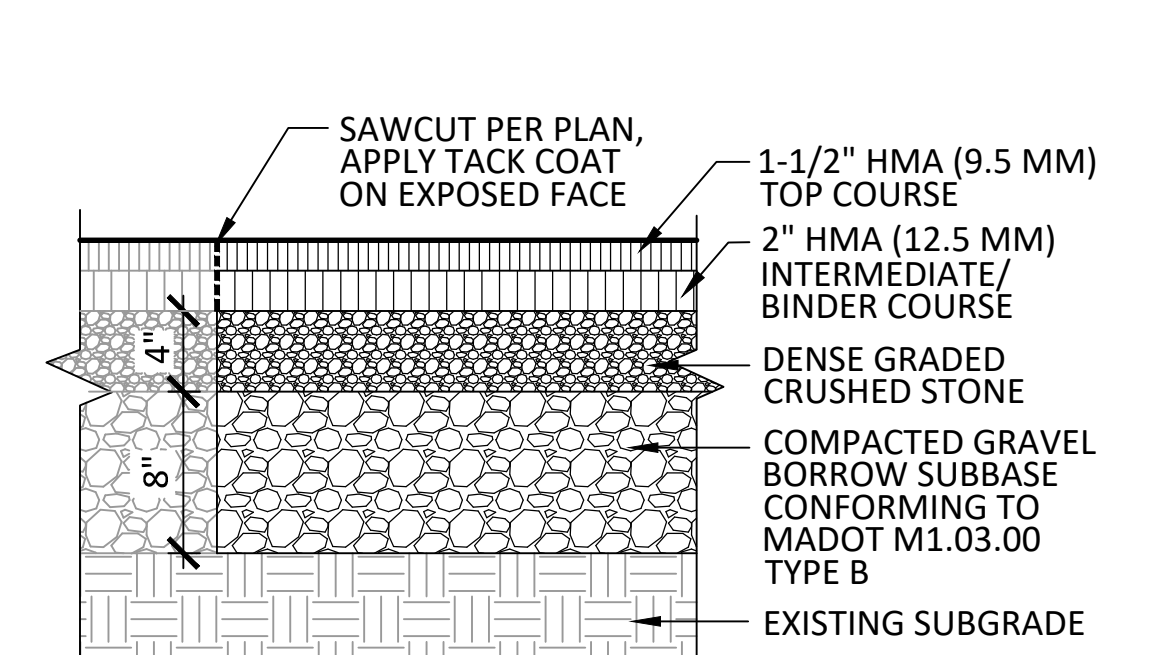
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- NOTES:**
1. TYP. E.J. SHALL BE USED WHENEVER HORIZONTAL CONCRETE AND/OR OTHER PAVING SURFACES MEET VERTICAL CONCRETE AND/OR MASONRY SURFACES. NOT MORE THAN 20' IN ANY DIRECTION OR AS SHOWN ON PLANS.
 2. CONCRETE 4000 PSI TYPE II IN 28 DAYS.
 3. EXPANSION AND CONTROL JOINTS SHALL FOLLOW SCORING PATTERN WHERE SHOWN ON PLANS.
 4. PROVIDE EXPANSION JOINTS AT MIN. 20 FT. O.C. U.N.O. WITH PRE-FORMED JOINT FILLER.
 5. CONCRETE FINISHED W/STIFF BRISTLED NYLON BROOM, PROVIDE BROOM FINISH IN DIRECTION PERPENDICULAR TO CURB.

1 CONCRETE SIDEWALK

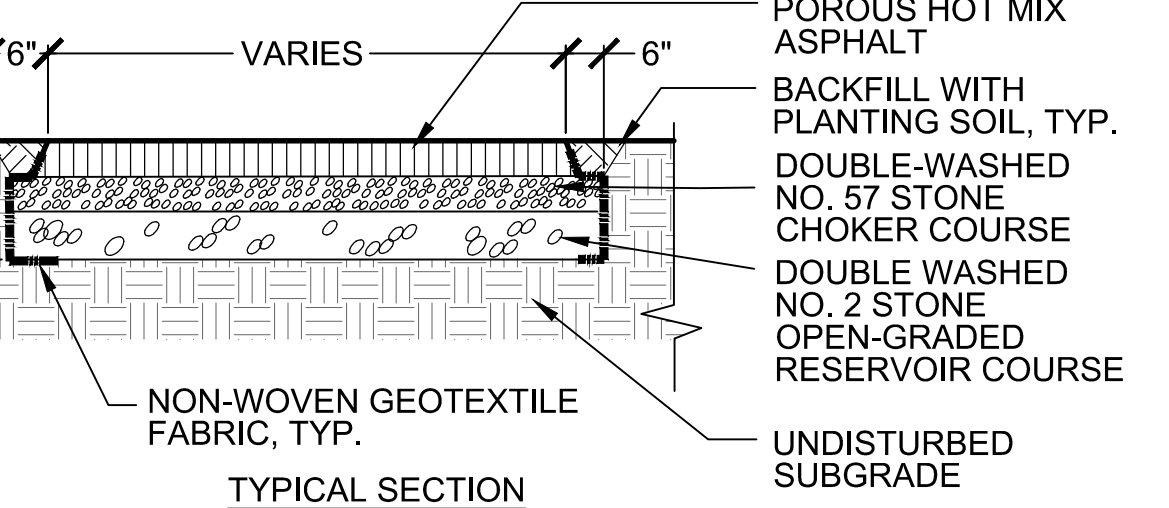
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- NOTES:**
1. CONTRACTOR SHALL CONFIRM ALL SAWCUTTING LIMITS WITH OWNER'S REPRESENTATIVE PRIOR TO CUTTING.
 2. SAWCUT PAVEMENT SHALL RECEIVE TACK COAT ON EXPOSED FACE JOINT PRIOR TO PLACEMENT OF NEW BITUMINOUS CONCRETE SURFACING.
 3. BITUMINOUS CONCRETE SURFACING INTENDED ONLY FOR ASPHALT PATCHING AREAS AS INDICATED ON PLANS.

3 BITUMINOUS CONCRETE SURFACING (FIRELANE)

SCALE: NTS



- NOTES:**
1. DOUBLE WASHED NO.2 STONE OPEN-GRADED RESERVOIR COURSE SHALL BE 8" DEPTH ALONG MAIN MULTI-USE PATH FROM PEDESTRIAN BRIDGE TO FIRELANE.
 2. DOUBLE WASHED STONE SHALL BE INSPECTED ONSITE BY OWNER'S REPRESENTATIVE PRIOR TO PLACEMENT. STONE WITH ANY SEDIMENT OR DEBRIS SHALL BE REJECTED.
 3. CONTRACTOR SHALL TAKE CARE NOT TO COMPACT SUBGRADE WITH HEAVY MACHINERY. ALL SUBGRADE SHALL BE APPROVED BY THE OWNER'S REPRESENTATIVE PRIOR TO ANY AGGREGATE STONE PLACEMENT.
 4. CONTRACTOR SHALL COMPLETE ALL SUBGRADE AND SURFACE TESTING AS DEFINED IN SPECIFICATION SECTION 321243, POROUS HOT MIX ASPHALT.
 5. CONTRACTOR SHALL PROTECT WASHED STONE COURSES AND FINISHED POROUS HOT MIX ASPHALT SURFACE FROM SEDIMENT AND DEBRIS AT ALL TIMES, SEE SPECIFICATION SECTION 321243, POROUS HOT MIX ASPHALT.

Stamp:



Project:

LANDRY PARK SITE IMPROVEMENTS WALTHAM, MA

BID DOCUMENTS

Contract Number: P25-3586-C11A
Hatch Project Number: H-371610
Date: JUNE 30, 2025
Drawn By: MP, JN
Designed By: AK
Reviewed By: JMB
Scale: AS NOTED

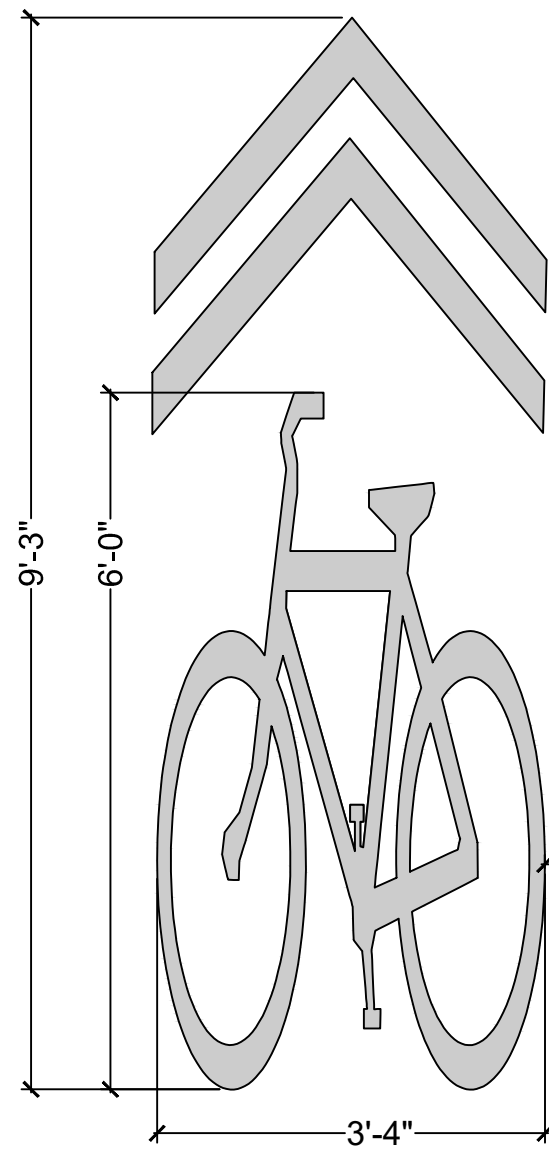
Revisions		
Number:	Description:	Date:

Sheet Title:

SITE DETAILS

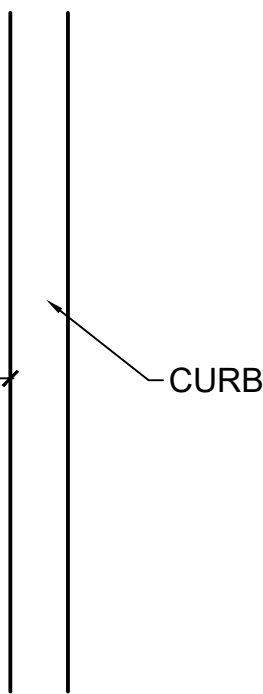
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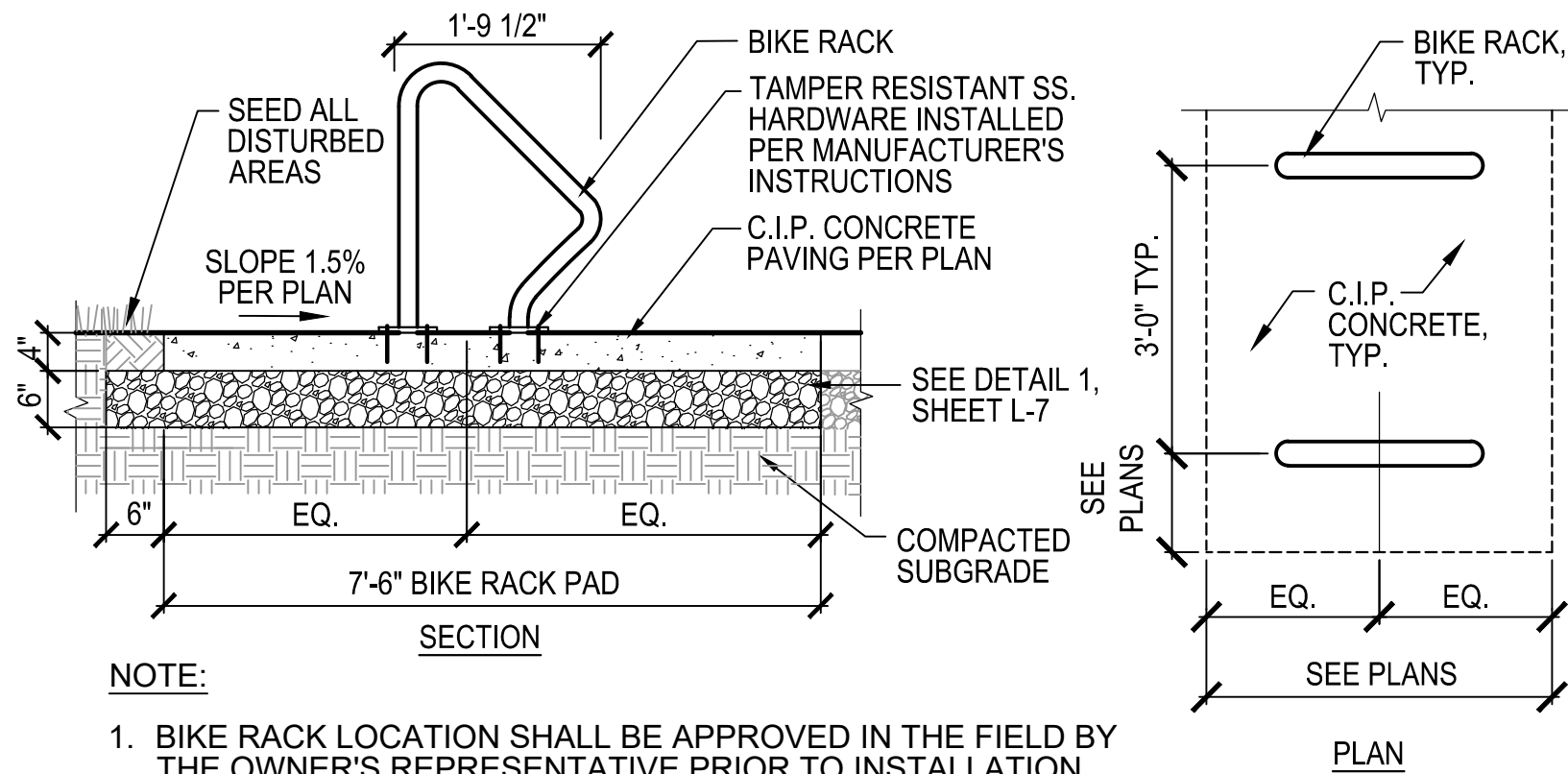
NOTES:

1. REMOVE ALL CONFLICT PAVING MARKINGS.
2. ALL PAVEMENT MARKINGS SHALL BE THERMO PLASTIC.
3. EDGE OF DECAL SHALL BE PLACED 4' FROM THE CURB.
4. BICYCLE LANE MARKINGS SHALL BE SPACED AT INTERVALS OF APPROXIMATELY 150'.
5. FOUR (4) LOCATIONS REQUIRED AS INDICATED ON THE DRAWINGS. LOCATIONS SHALL BE APPROVED IN THE FIELD BY THE OWNER'S REPRESENTATIVE PRIOR TO APPLICATION.



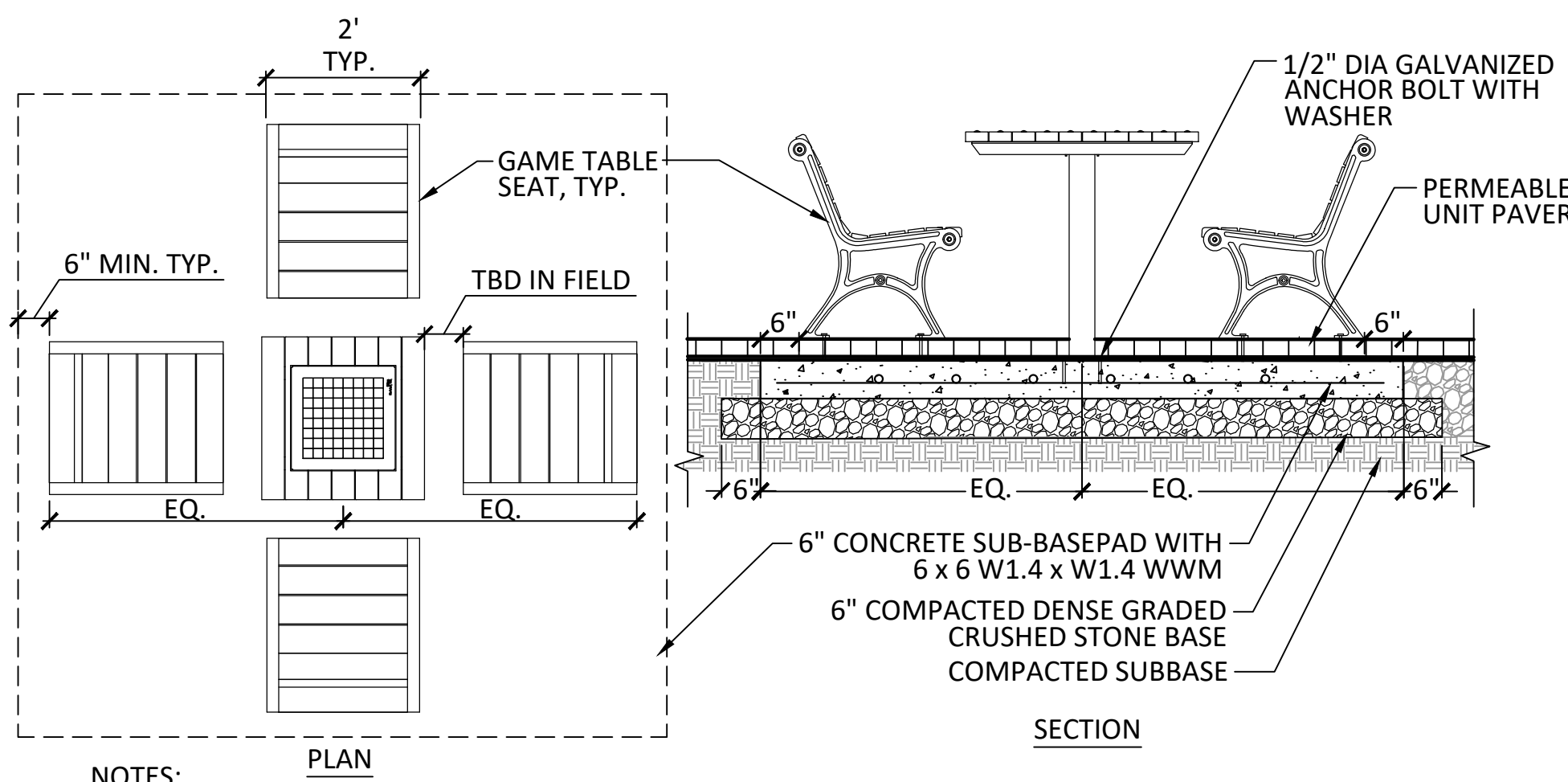
7 SHARED BICYCLE LANE ARROW

SCALE: NTS



6 BIKE RACK

SCALE: NTS

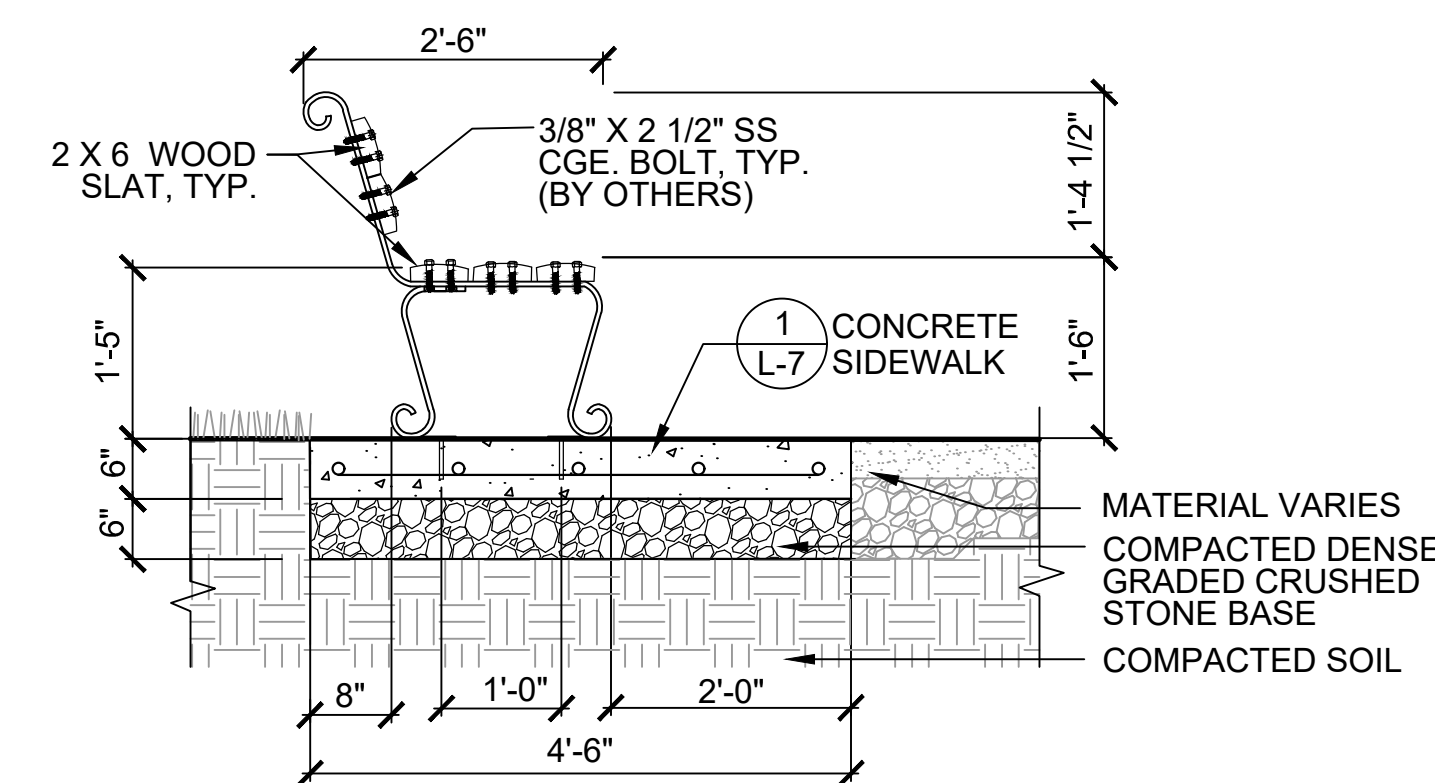
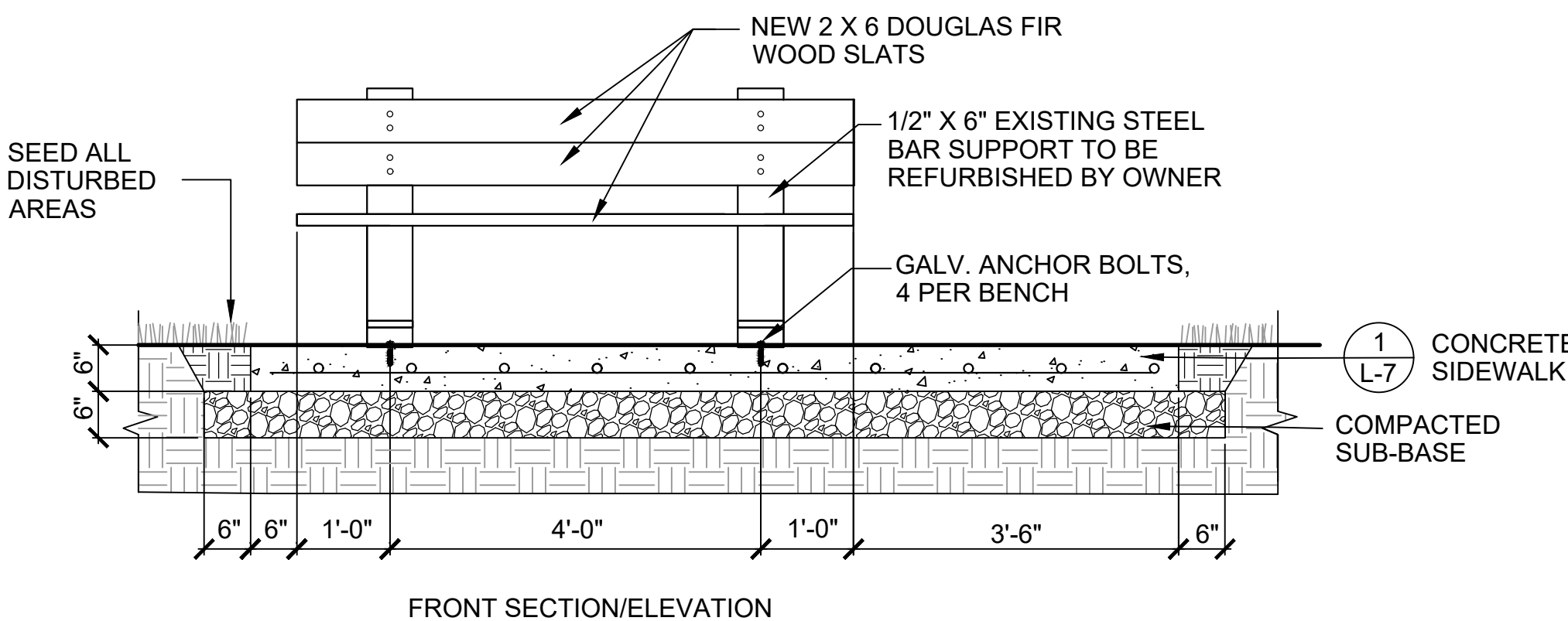


NOTES:

1. BENCHES SHALL BE PROVIDED FOR GAME TABLES AS INDICATED ON THE PLANS. ONE (1) GAME TABLE SHALL HAVE THREE (3) SEATS LEAVING ONE SPACE OPEN FOR WHEELCHAIR ACCESSIBLE POSITION.
2. CONTRACTOR TO SUBMIT SHOP DRAWINGS FOR REVIEW BY OWNER'S REPRESENTATIVE.
3. GAME TABLE LOCATIONS SHALL BE REVIEWED FOR APPROVAL BY THE OWNER'S REPRESENTATIVE IN THE FIELD PRIOR TO INSTALLATION.
4. SEE SPECIFICATION SECTION 32 33 00, SITE IMPROVEMENTS FOR MATERIALS, FINISHES, AND HARDWARE.

5 GAME TABLE WITH BENCHES

SCALE: NTS

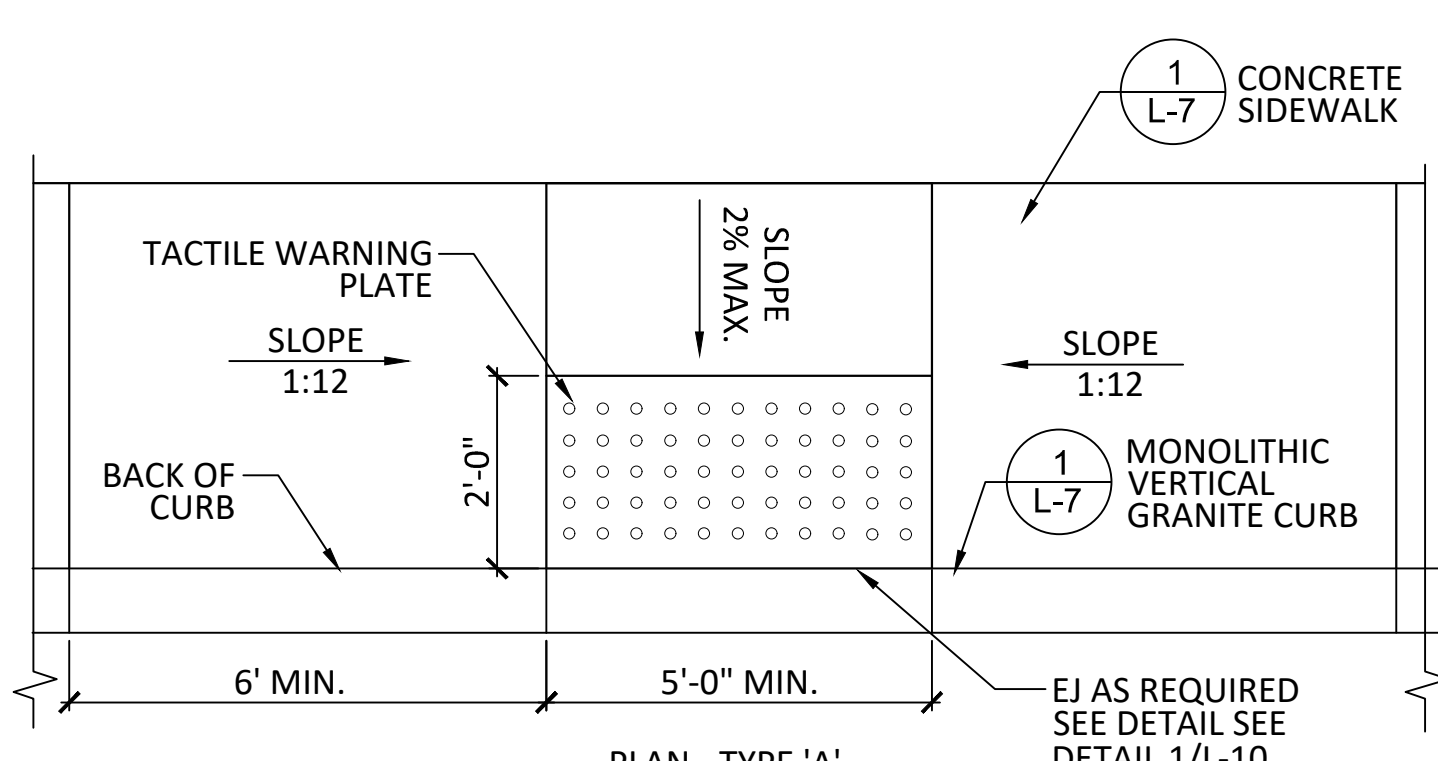


NOTES:

1. CONTRACTOR SHALL DISMANTLE, STOCKPILE, DELIVER AND UNLOAD EXISTING BENCH MATERIALS TO OWNER.
2. CONTRACTOR SHALL PROVIDE AND DELIVER NEW LUMBER TO THE OWNER FOR REFURBISHING OF BENCHES. NEW LUMBER IS IN EXCESS OF QUANTITY NEEDED FOR NEW BENCHES. SEE SPECIFICATION SECTION, 32 33 00 SITE IMPROVEMENTS FOR TOTAL QUANTITY.
3. CONTRACTOR SHALL PICK UP AND TRANSPORT REFURBISHED BENCHES BACK TO THE PROJECT SITE FOR INSTALLATION.
4. ALL DCR BENCH PADS SHALL HAVE ACCESSIBLE COMPANION SEATING AREA.
5. WELDED WIRE MESH (WWM) REINFORCING SHALL BE FLAT SHEET FORM-ROLLED. FORM WWM SHALL NOT BE ACCEPTED. SEE SPECIFICATION SECTION, 32 13 13 CONCRETE PAVING FOR WWM.
6. BENCH LOCATIONS SHALL BE APPROVED IN THE FIELD BY THE OWNER'S REPRESENTATIVE PRIOR TO FASTENING TO CONCRETE PAD.

4 DCR BENCH (SUPPLIED BY OWNER)

SCALE: NTS

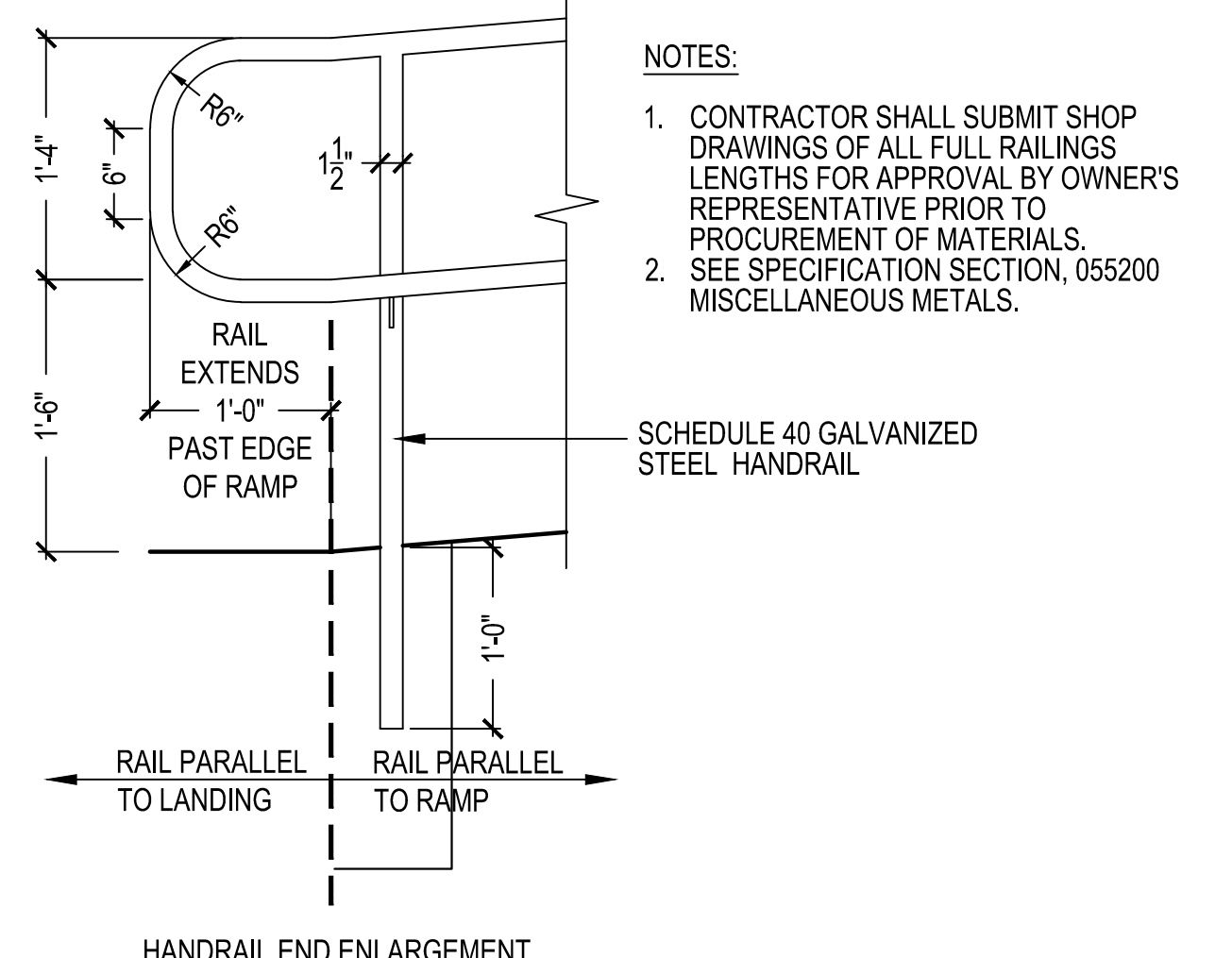
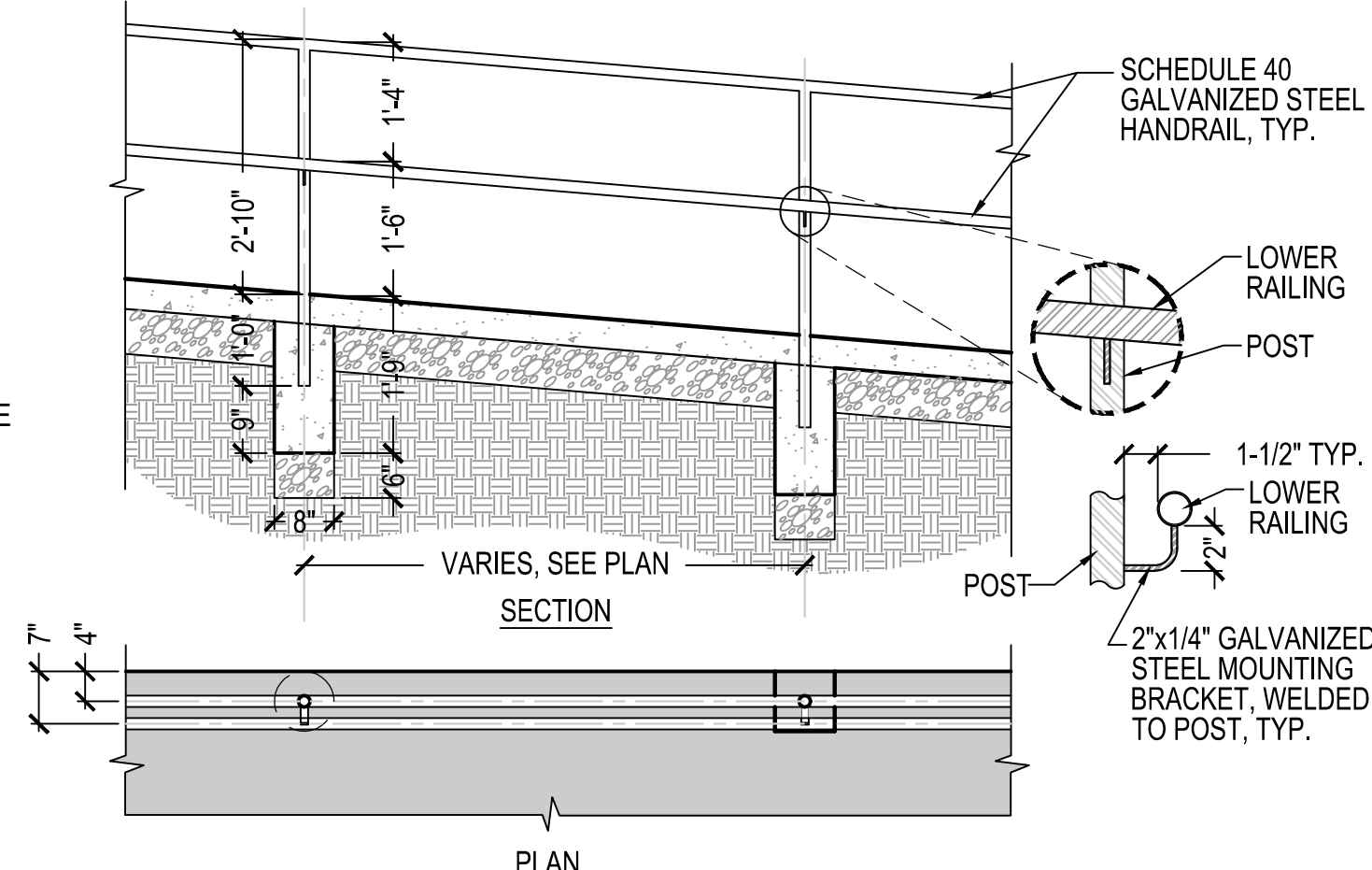


NOTES:

1. CONTRACTOR SHALL CONFIRM ALL EXISTING GRADES IN THE FIELD AND REPORT ANY INCONSISTENCIES TO THE OWNER'S REPRESENTATIVE.
2. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR ALL CURB RAMPS.
3. SEE SHEET L-4 FOR GRADING PLAN.

3 ACCESSIBLE CURB RAMP

SCALE: NTS

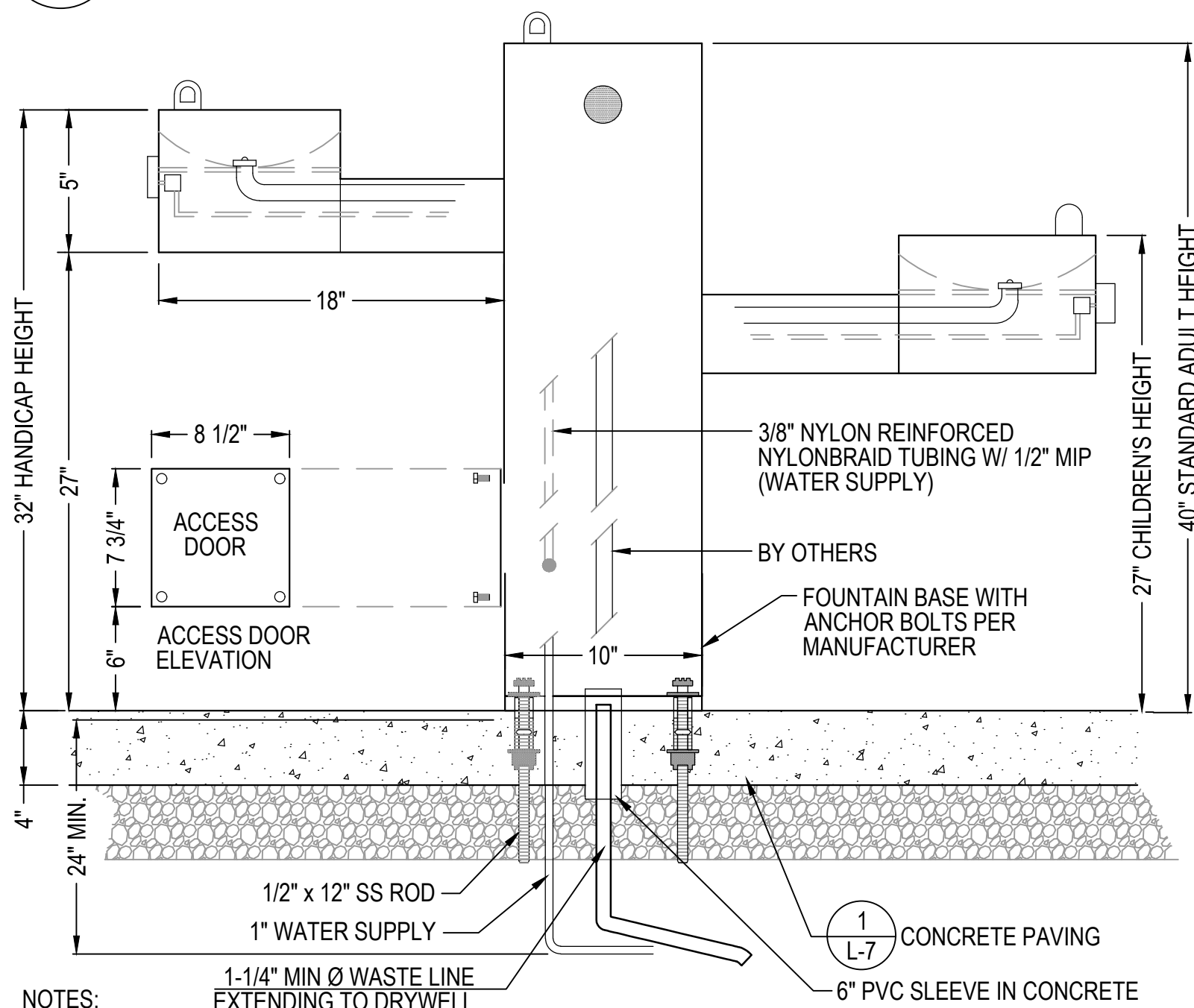


NOTES:

1. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS OF ALL FULL RAILINGS LENGTHS FOR APPROVAL BY OWNER'S REPRESENTATIVE PRIOR TO PROCUREMENT OF MATERIALS.
2. SEE SPECIFICATION SECTION, 055200 MISCELLANEOUS METALS.

2 ACCESSIBLE RAMP HANDRAIL

SCALE: NTS



NOTES:

1. DRINKING FOUNTAIN TO BE SUPPLIED BY THE OWNER, SEE SPECIFICATION SECTION, 32 33 00 SITE IMPROVEMENTS.
2. DETAIL IS FOR REFERENCE ONLY. CONTRACTOR TO INSTALL PER MANUFACTURER'S INSTALLATION INSTRUCTIONS AND ALL APPLICABLE LOCAL CODES.
3. CONTRACTOR SHALL PROVIDE SHOP DRAWINGS FOR APPROVAL BY OWNER'S REPRESENTATIVE.
4. SEE DETAIL 8, L-9 FOR DRYWELL.

1 DRINKING FOUNTAIN ON CONCRETE PAD

SCALE: NTS

Client/Owner:



Massachusetts Department of Conservation and Recreation
State Transportation Building, 10 Park Plaza,
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Boston, MA 02116



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Project:

LANDRY PARK
SITE IMPROVEMENTS
WALTHAM, MA

BID DOCUMENTS

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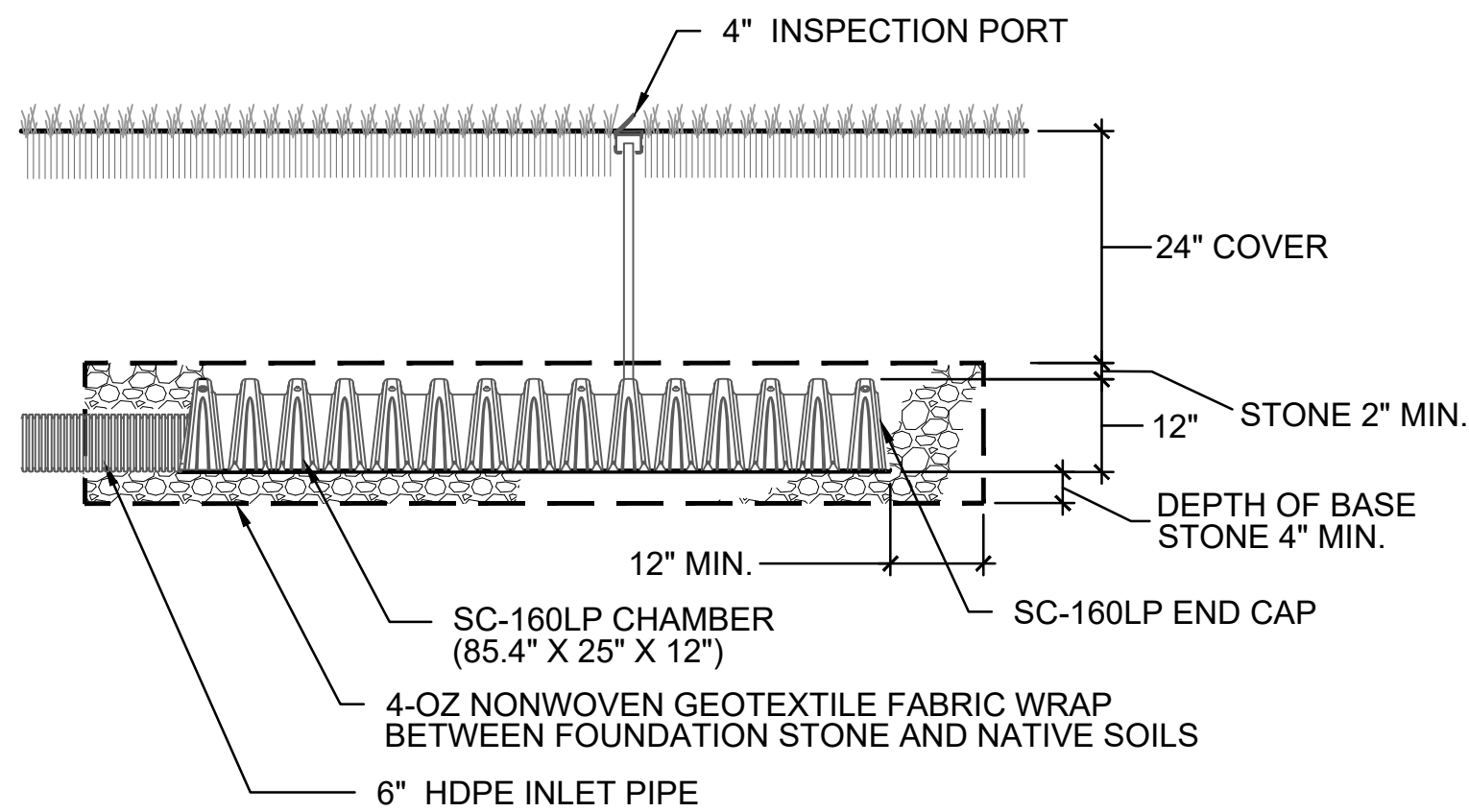
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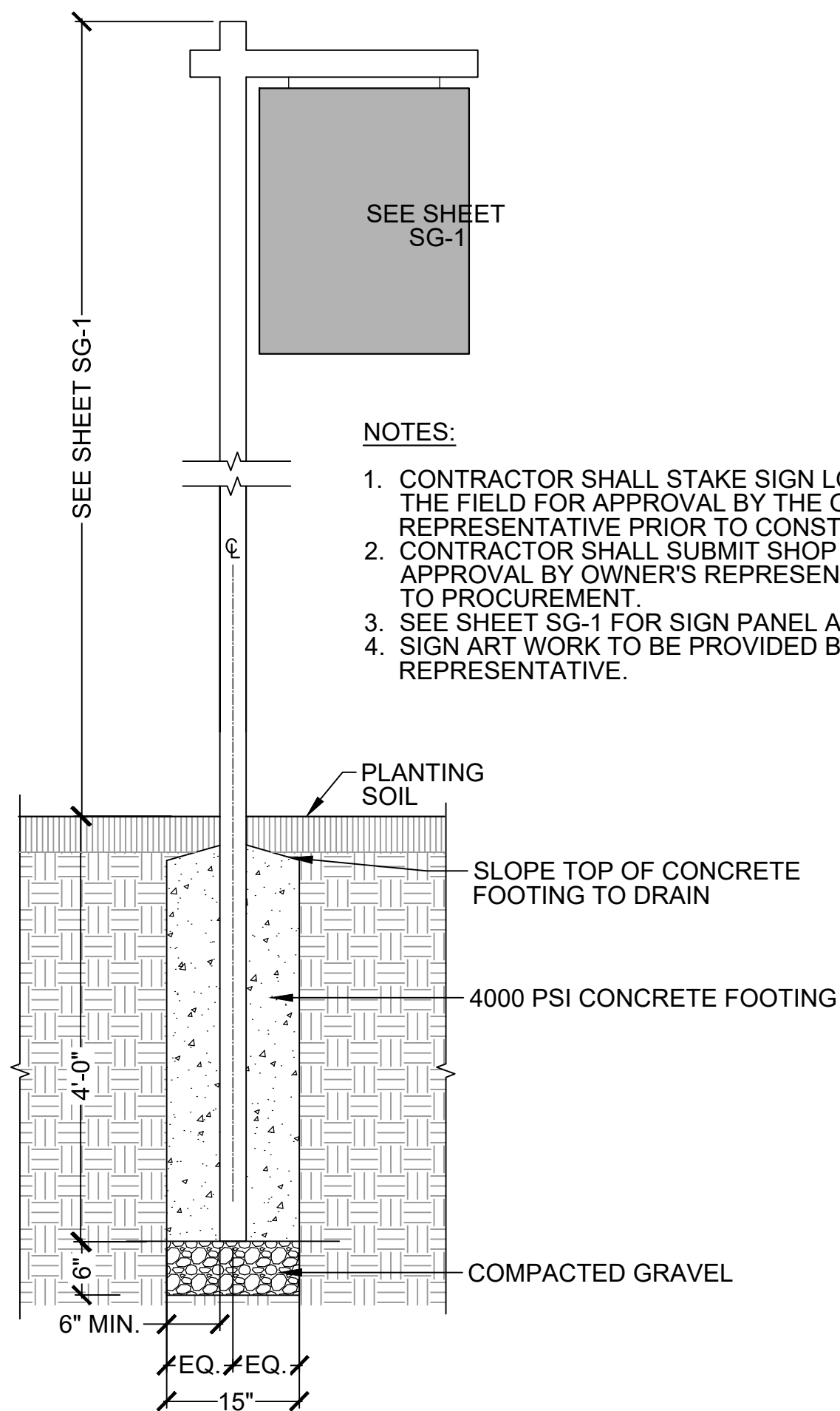
Sheet 9 of 21



- NOTES:
1. CONTRACTOR SHALL FLAG LOCATION OF DRYWELL IN THE FIELD FOR APPROVAL BY OWNER'S REPRESENTATIVE PRIOR TO EXCAVATION.
 2. CONTRACTOR SHALL PERFORM GROUNDWATER ELEVATION TEST PIT AND COORDINATE TEST PIT EXCAVATION AND TEST PIT RESULTS WITH THE OWNER'S REPRESENTATIVE PRIOR TO CONSTRUCTING DRYWELL.
 3. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS SHOWING ALL COMPONENTS AND CONNECTIONS PRIOR TO PROCUREMENT OF MATERIALS.
 4. OWNER'S REPRESENTATIVE SHALL REVIEW EXCAVATED SUBGRADE FOR APPROVAL PRIOR TO INSTALLATION OF DRYWELL.

8 DRYWELL

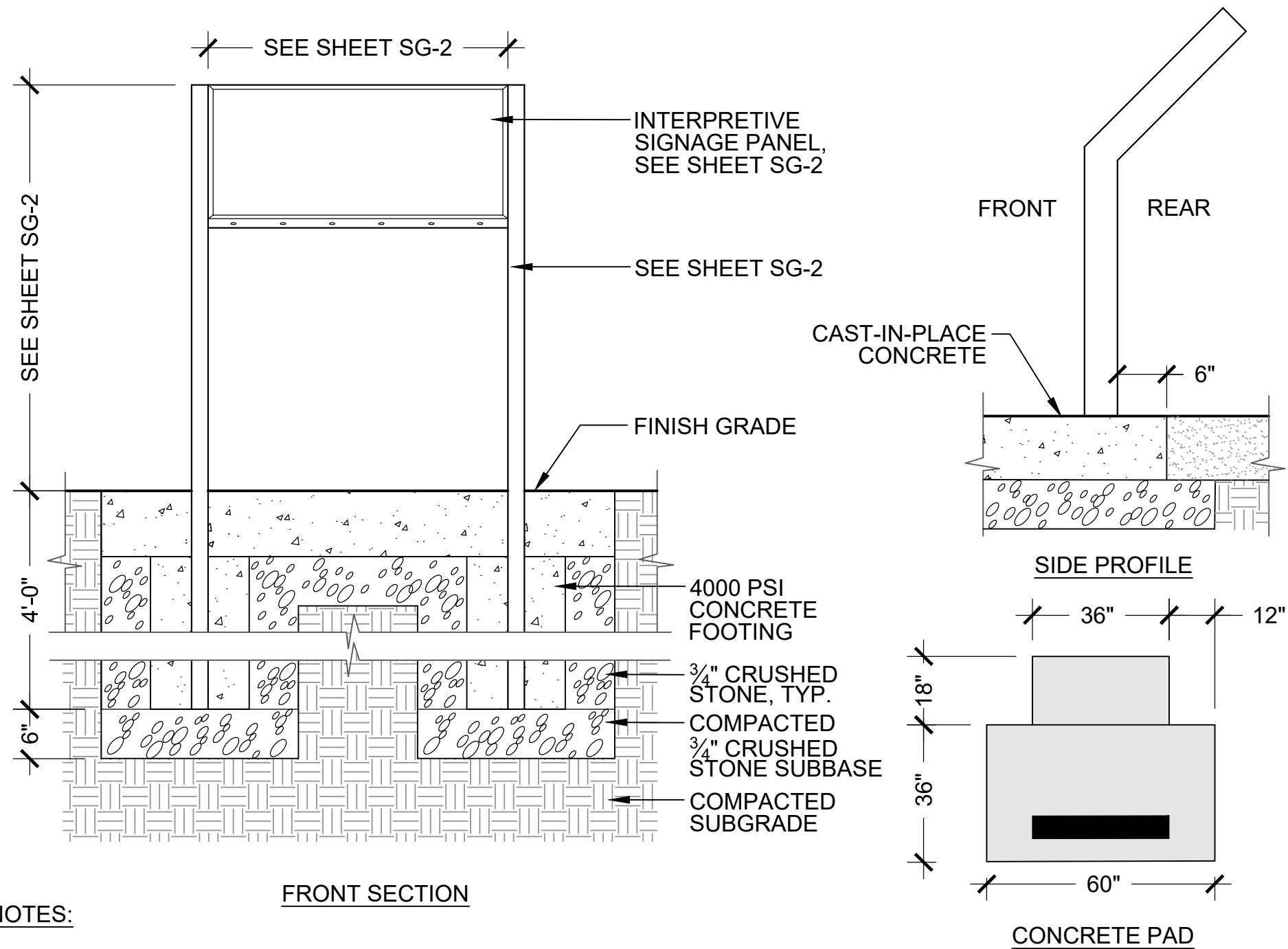
SCALE: NTS



- NOTES:
1. CONTRACTOR SHALL STAKE SIGN LOCATIONS IN THE FIELD FOR APPROVAL BY THE OWNER'S REPRESENTATIVE PRIOR TO CONSTRUCTION.
 2. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR APPROVAL BY OWNER'S REPRESENTATIVE PRIOR TO PROCUREMENT.
 3. SEE SHEET SG-1 FOR SIGN PANEL AND POST.
 4. SIGN ART WORK TO BE PROVIDED BY OWNER'S REPRESENTATIVE.

7 PARK IDENTIFICATION SIGN

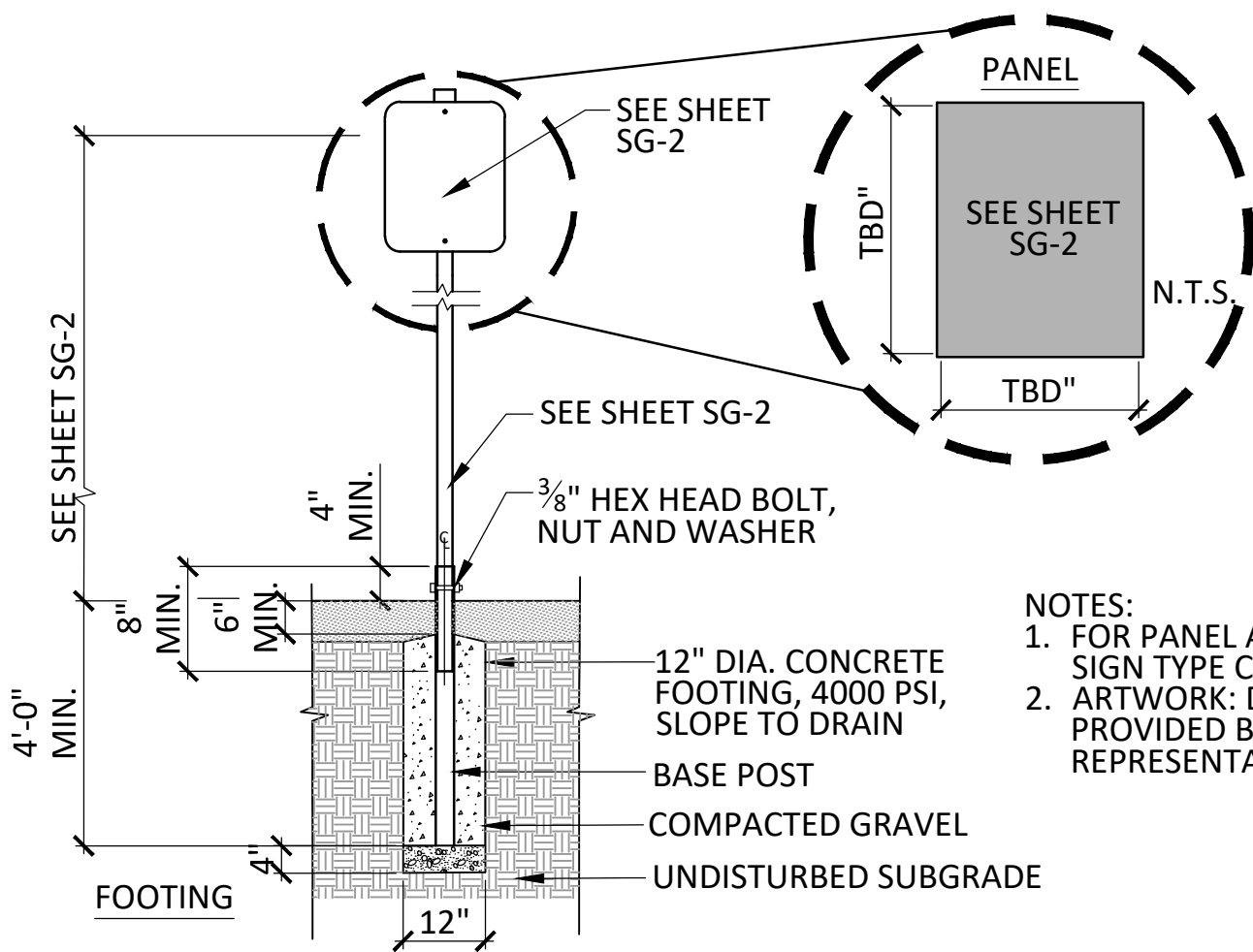
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- NOTES:
1. SEE SHEET L- 4 LAYOUT AND MATERIALS PLAN FOR SIGN LOCATIONS.
 2. FINISH: SEE SHEET SG-2.
 3. SIGNAGE ARTWORK GRAPHIC TO BE PROVIDED BY OWNER'S REPRESENTATIVE.
 4. CONTRACTOR RESPONSIBLE FOR MOUNTING PANEL IN SIGN.
 5. SIGN AND PANEL SHALL BE GRAFFITI RESISTANT.
 6. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR APPROVAL BY OWNER'S REPRESENTATIVE.

6 INTERPRETIVE SIGNAGE

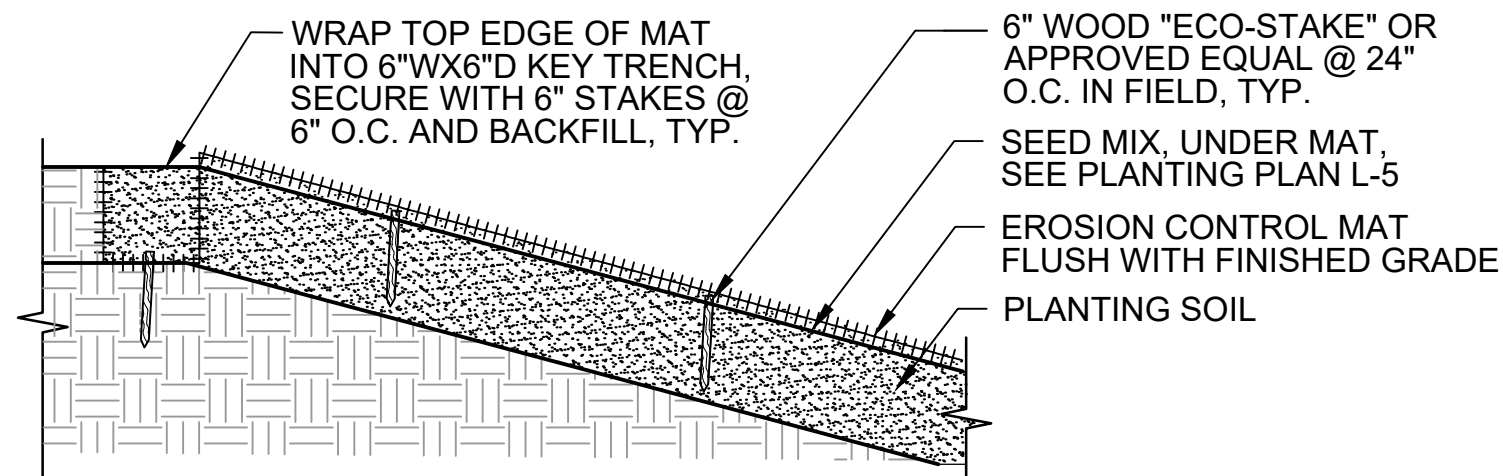
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- NOTES:
1. FOR PANEL AND ARTWORK SEE SIGN TYPE C, SHEET SG-2
 2. ARTWORK: DIGITAL FILE TO BE PROVIDED BY THE OWNERS REPRESENTATIVE.

5 ALUMINUM SIGN AND POST

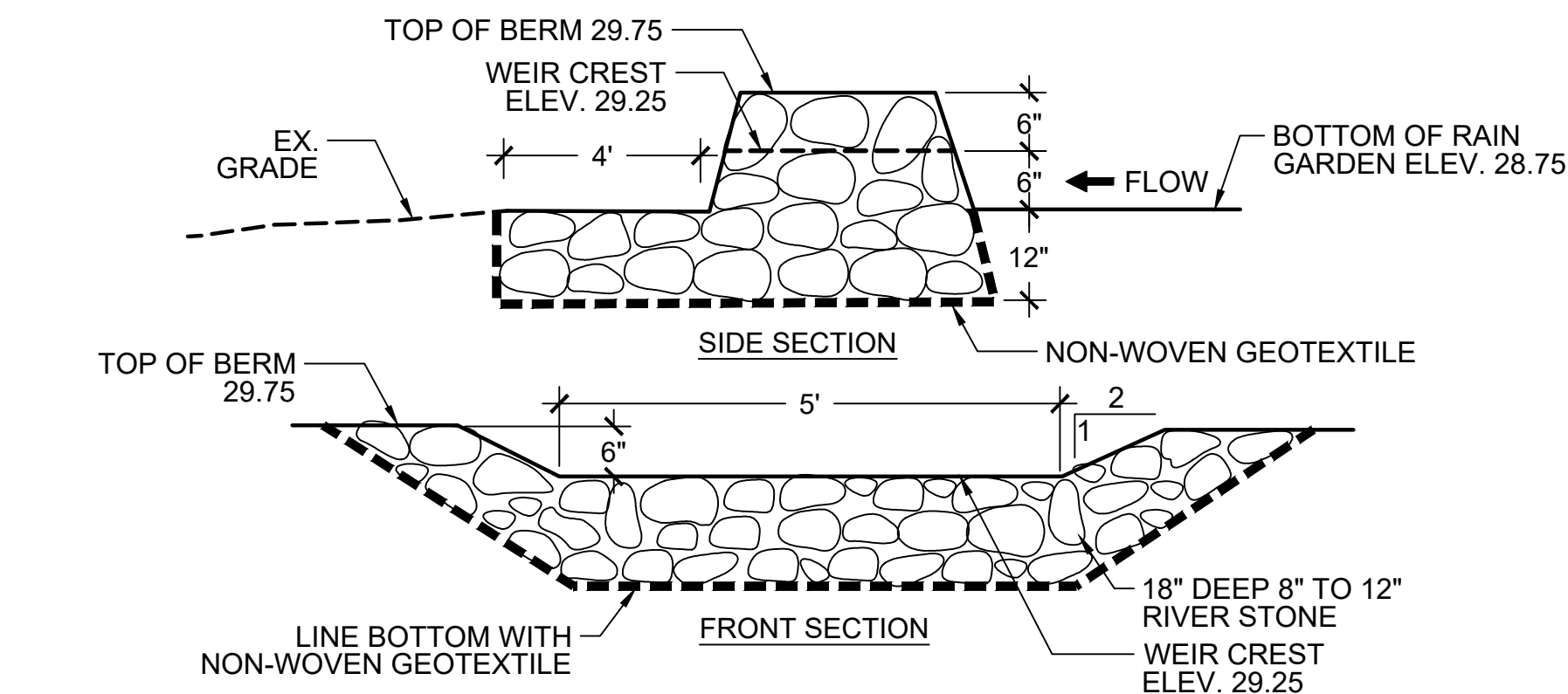
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- NOTES:
1. EROSION CONTROL MATTING SHALL BE PLACED ON ALL SLOPES 3:1 AND GREATER.
 2. MATTING SHALL BE MADE OF NATURAL FIBER. REFER TO SPECIFICATION SECTION 329200, SODDING, SEEDING AND GRASSES.

4 EROSION CONTROL BLANKET

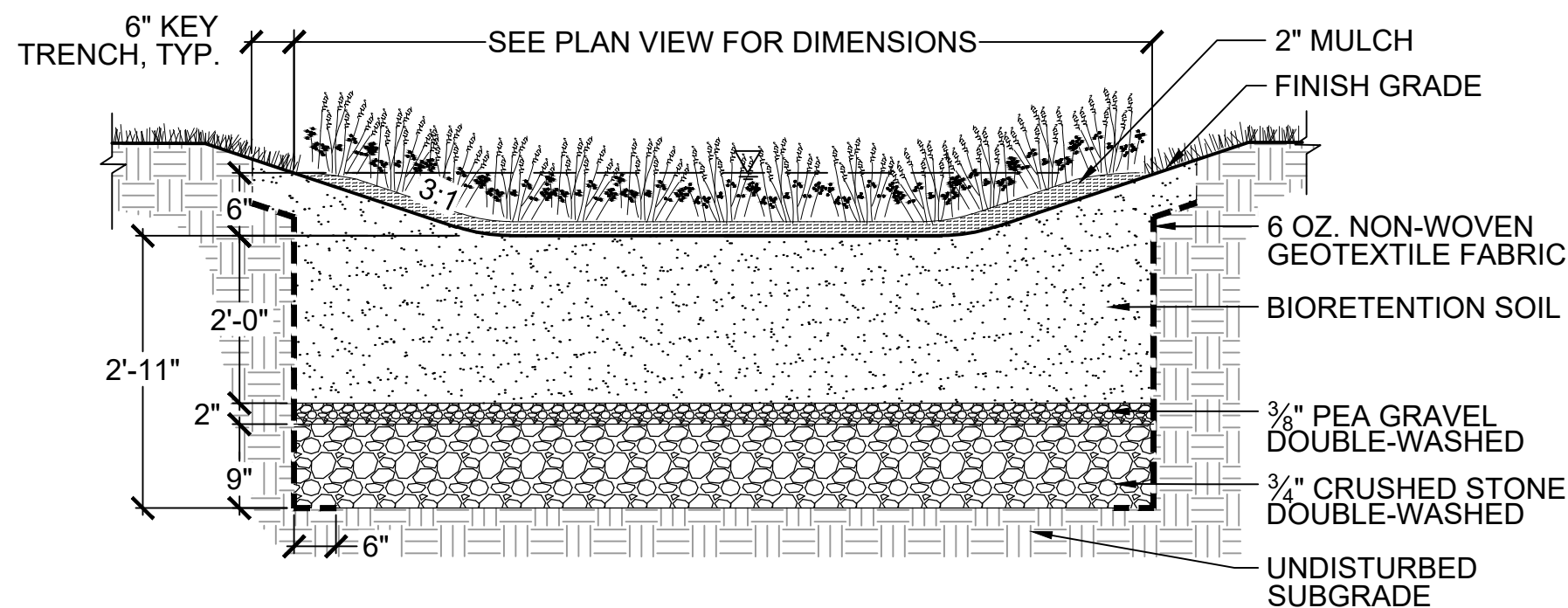
SCALE: NTS



- NOTE:
1. CONTRACTOR SHALL SUBMIT RIVER STONE FOR APPROVAL PRIOR TO PROCUREMENT.

3 BIORETENTION BASIN OUTLET

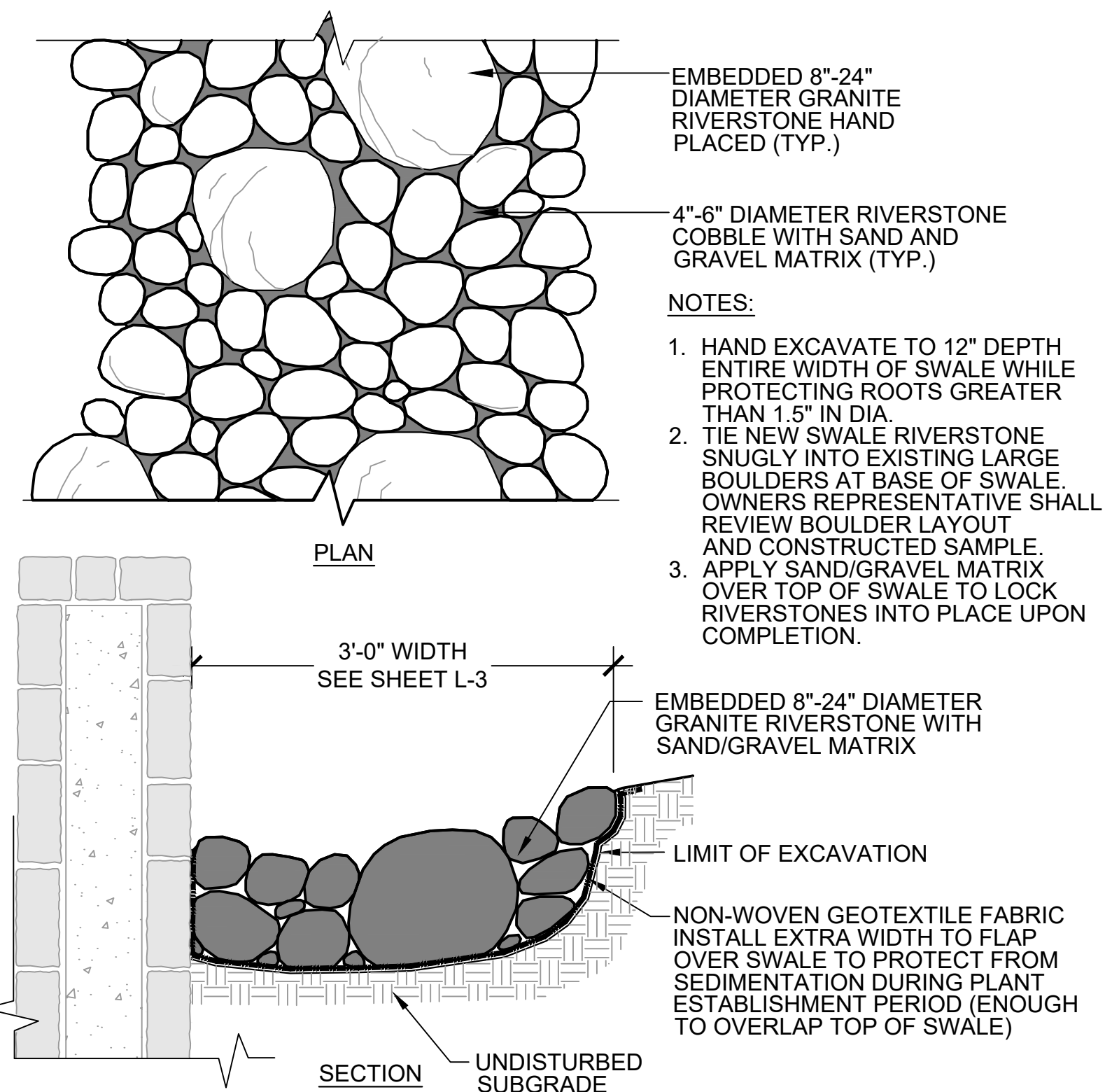
SCALE: NTS



- NOTES:
1. LIMITS OF BASIN SHALL BE STAKED IN FIELD BY CONTRACTOR FOR APPROVAL BY OWNER'S REPRESENTATIVE PRIOR TO COMMENCING EARTH DISTURBANCE.

2 BIORETENTION BASIN

SCALE: NTS



- NOTES:
1. HAND EXCAVATE TO 12" DEPTH ENTIRE WIDTH OF SWALE WHILE PROTECTING ROOTS GREATER THAN 1.5" IN DIA.
 2. TIE NEW SWALE RIVERSTONE SNUGLY INTO EXISTING LARGE BOULDERS AT BASE OF SWALE. OWNERS REPRESENTATIVE SHALL REVIEW BOULDER LAYOUT AND CONSTRUCTED SAMPLE.
 3. APPLY SAND/GRAVEL MATRIX OVER TOP OF SWALE TO LOCK RIVERSTONES INTO PLACE UPON COMPLETION.

1 RIVERSTONE SWALE

SCALE: NTS

Client/Owner:



Massachusetts Department of Conservation and Recreation
State Transportation Building, 10 Park Plaza,
Suite 6620
Boston, MA 02116

HATCH

260 Franklin Street, Suite 1010
Boston, MA 02110
tel. 978.224.3123 www.hatch.com

Stamp:



Project:

LANDRY PARK
SITE IMPROVEMENTS
WALTHAM, MA

BID DOCUMENTS

Contract Number: P25-3586-C11A

Hatch Project Number: H-371610

Date: JUNE 30, 2025

Drawn By: RH, JN

Designed By: EA, AK

Reviewed By: EA, JMB

Scale: AS NOTED

Revisions

Number: Description: Date:

Sheet Title:

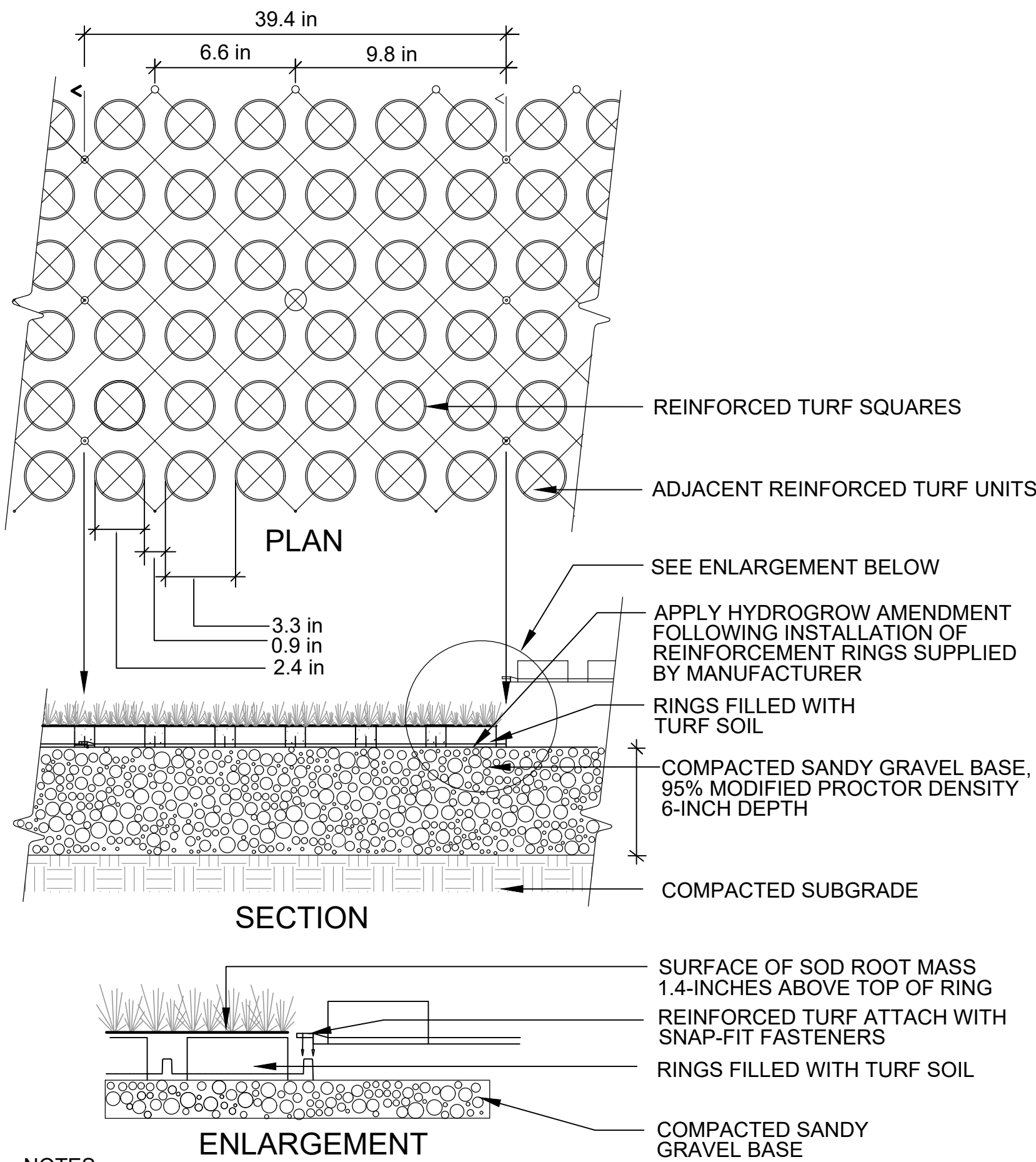
**SITE
DETAILS**

Sheet No:

L-9

Acc No: 104902x

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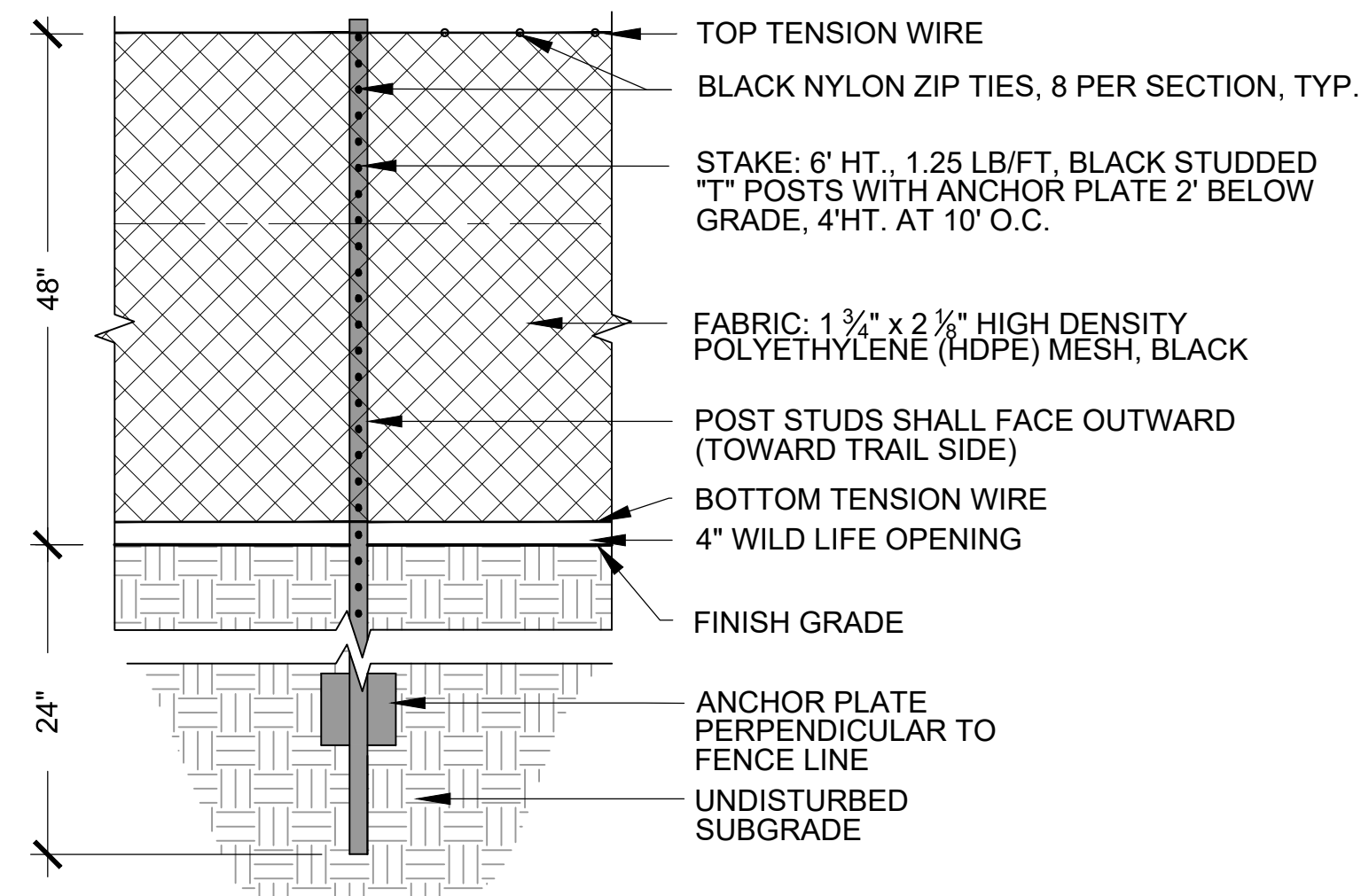


NOTES:

1. VEGETATED COVER FOR REINFORCED TURF SHALL BE SOD, SEE SPECIFICATION SECTION, 329200 SODDING, LAWNS AND GRASSES.
2. SEE MANUFACTURE INSTRUCTIONS FOR REINFORCED RING INSTALLATION AND CUTTING TECHNIQUE.
3. REINFORCED SHOULDER SIZE VARIES, SEE LAYOUT AND MATERIALS PLAN, SHEET L-3.

8 REINFORCED TURF

SCALE: NTS



NOTES:

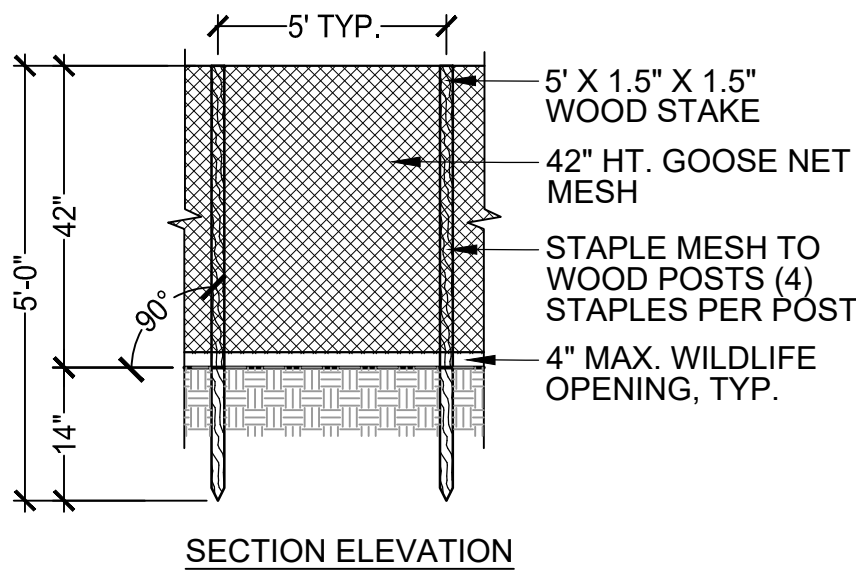
1. FENCING SHALL BE IN PLACE IMMEDIATELY FOLLOWING COMPLETION OF PLANTING.
2. SECTIONS OF FENCE THAT BECOME LOOSE OR DAMAGED SHALL BE REPLACED IMMEDIATELY.
3. CONTRACTOR SHALL STAKE ALIGNMENT IN FIELD FOR APPROVAL BY OWNERS REPRESENTATIVE.

7 PLANT ESTABLISHMENT FENCE

SCALE: NTS

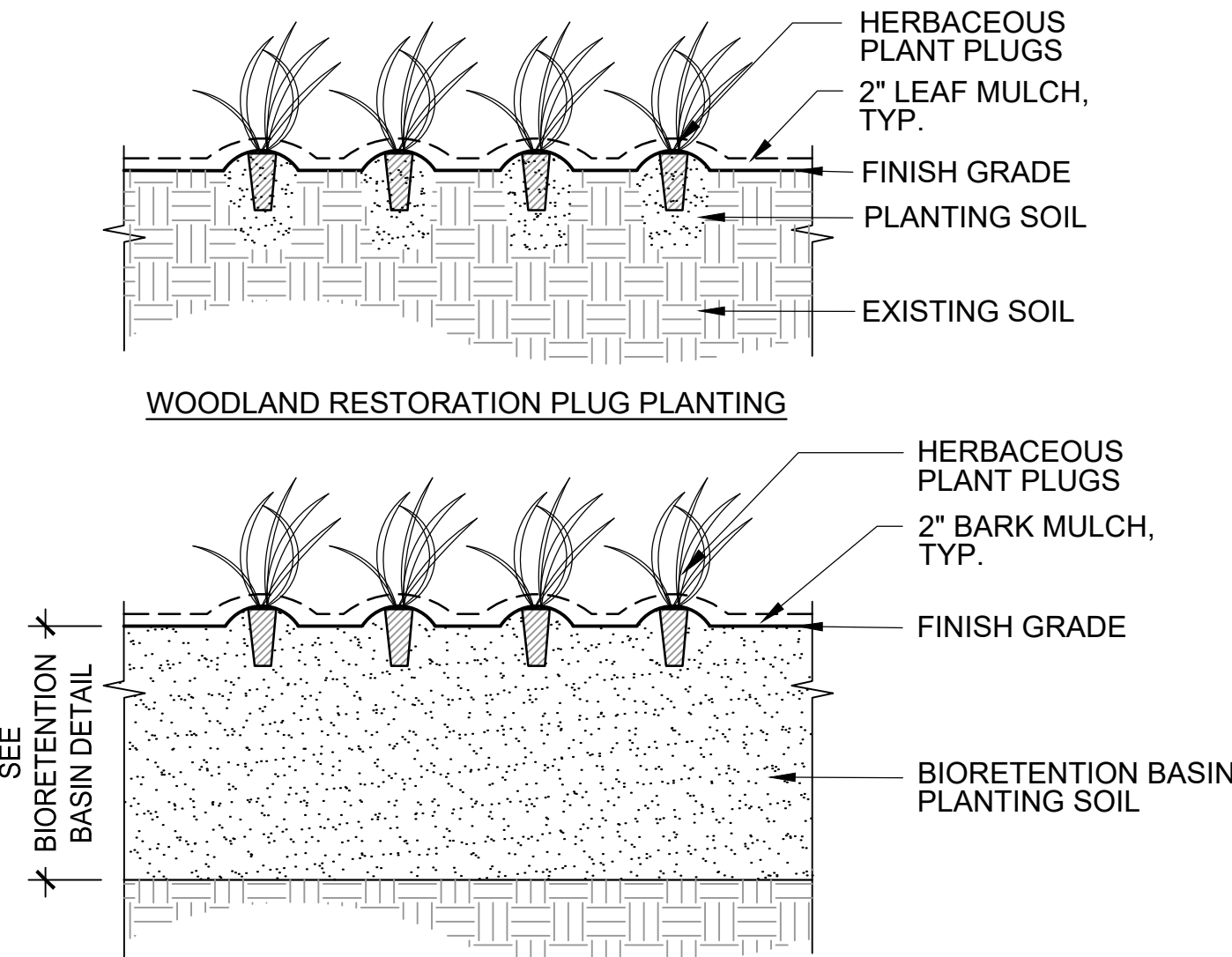
NOTES:

1. SEED ESTABLISHMENT FENCE SHALL BE IN PLACE IMMEDIATELY FOLLOWING APPLICATION OF SEED.
2. SEED ESTABLISHMENT FENCE SHALL REMAIN IN PLACE UNTIL SEED GERMINATION IS COMPLETE AND REMOVAL IS APPROVED BY THE OWNER'S REPRESENTATIVE
3. ANY SECTIONS OF SEED ESTABLISHMENT FENCE THAT BECOME DAMAGED SHALL BE REPLACED IMMEDIATELY.



6 SEED ESTABLISHMENT FENCE

SCALE: NTS

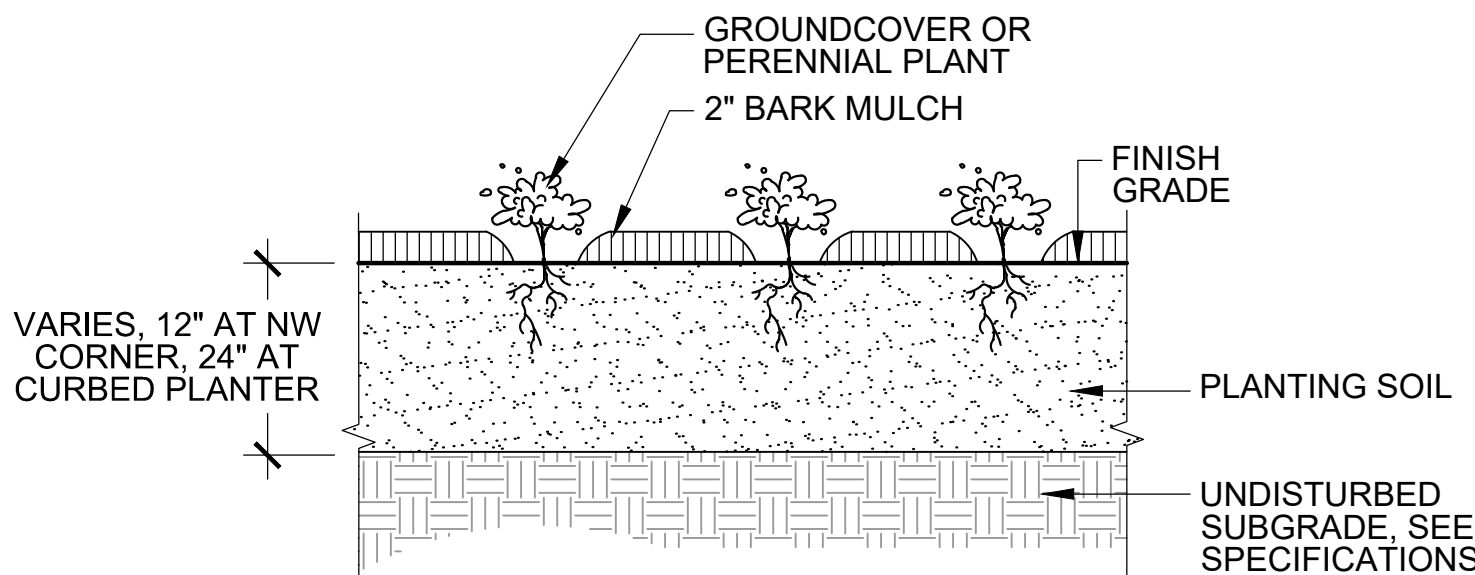


NOTES:

1. SEE PLANT SCHEDULE FOR PLUG SPACING.
2. CONTRACTOR SHALL BUTTERFLY CUT AND LOOSEN ROOTBOUND PLUGS PRIOR TO PLANTING.
2. PLANTS TO BE LAID OUT IN THE FIELD BY THE CONTRACTOR AND LOCATIONS APPROVED BY THE OWNER'S REPRESENTATIVE PRIOR TO INSTALLATION.
3. CONTRACTOR MUST HAVE ALL REQUIRED FERTILIZER, MYCORRHIZAE, MULCH, AND WATER ON SITE AT THE TIME OF PLANTING AS DEFINED IN SPECIFICATION SECTION 329300, OR PLANTING SHALL NOT COMMENCE.
4. CONTRACTOR SHALL HAVE ALL APPROVED FENCING MATERIALS ON SITE AND READY FOR INSTALLATION IMMEDIATELY FOLLOWING COMPLETION (SAME DAY) OF PLUG PLANTING.

5 HERBACEOUS PLUG PLANTING

SCALE: NTS

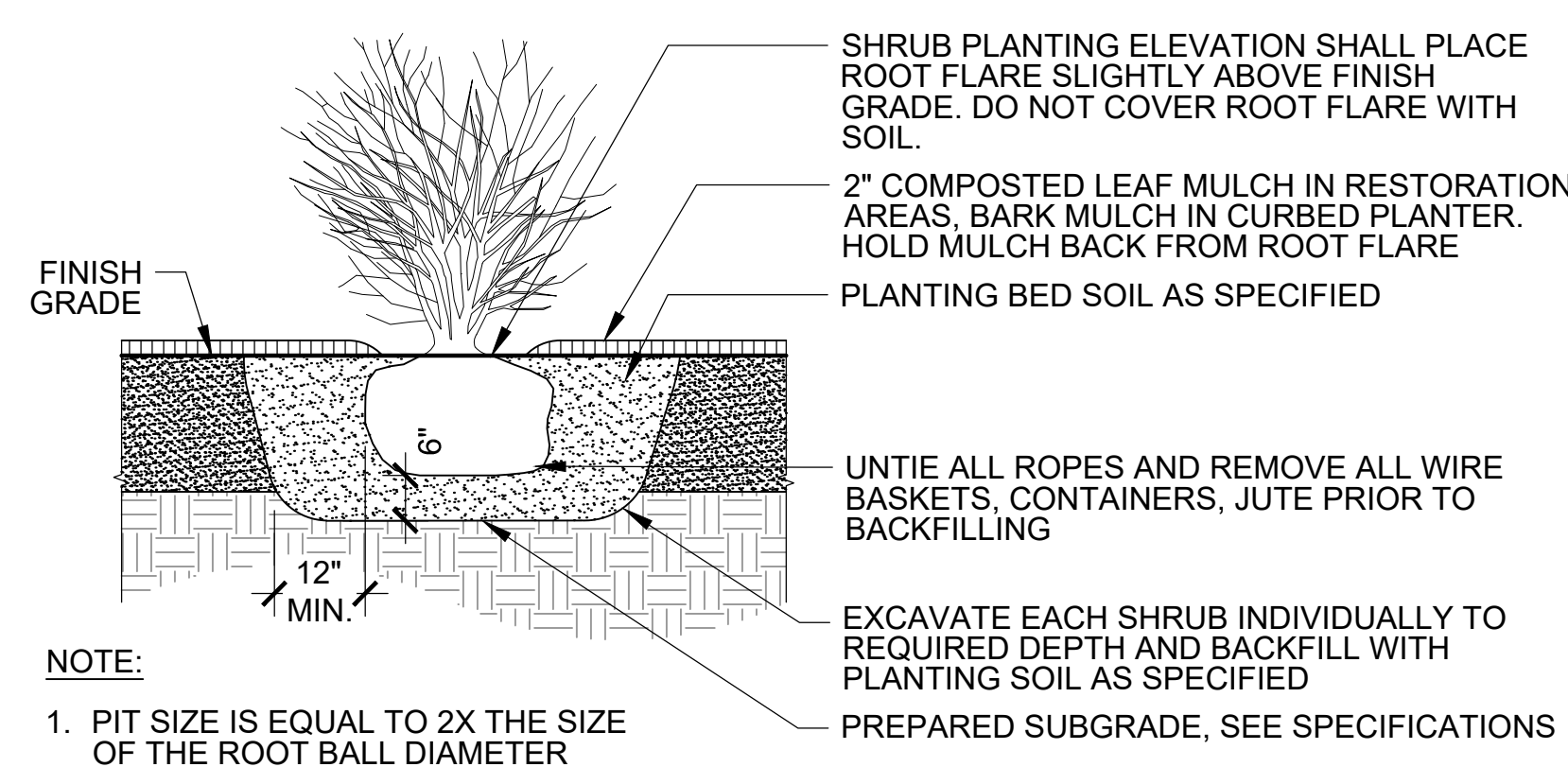


NOTES:

1. CONTRACTOR SHALL HAVE ALL REQUIRED FERTILIZER, MYCORRHIZAE, MULCH, AND WATER ON SITE AT THE TIME OF PLANTING AS DEFINED IN SPECIFICATION SECTION 329300, OR PLANTING SHALL NOT COMMENCE.
2. PLANTS TO BE LAID OUT IN THE FIELD BY THE CONTRACTOR FOR APPROVAL BY THE OWNER'S REPRESENTATIVE PRIOR TO INSTALLATION.
3. CONTRACTOR SHALL BUTTERFLY CUT AND LOOSEN ROOTBOUND PLANT MATERIAL PRIOR TO PLANTING.
4. CONTRACTOR SHALL HAVE ALL APPROVED FENCING MATERIALS ON SITE AND READY FOR INSTALLATION IMMEDIATELY FOLLOWING COMPLETION (SAME DAY) OF PLANTING.

4 HERBACEOUS PERENNIAL / GROUNDCOVER PLANTING

SCALE: NTS

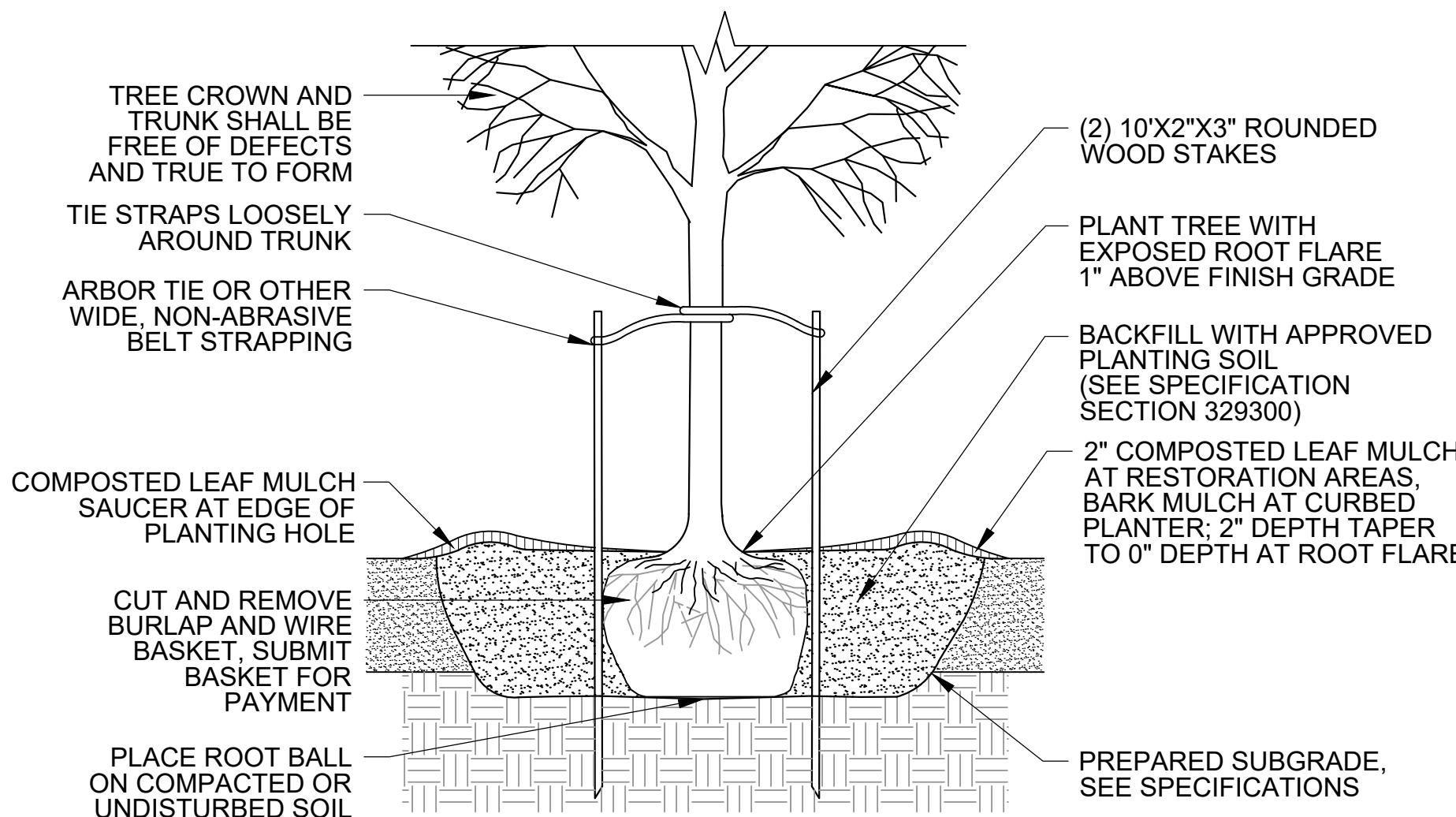


NOTE:

1. PIT SIZE IS EQUAL TO 2X THE SIZE OF THE ROOT BALL DIAMETER

3 SHRUB PLANTING

SCALE: NTS

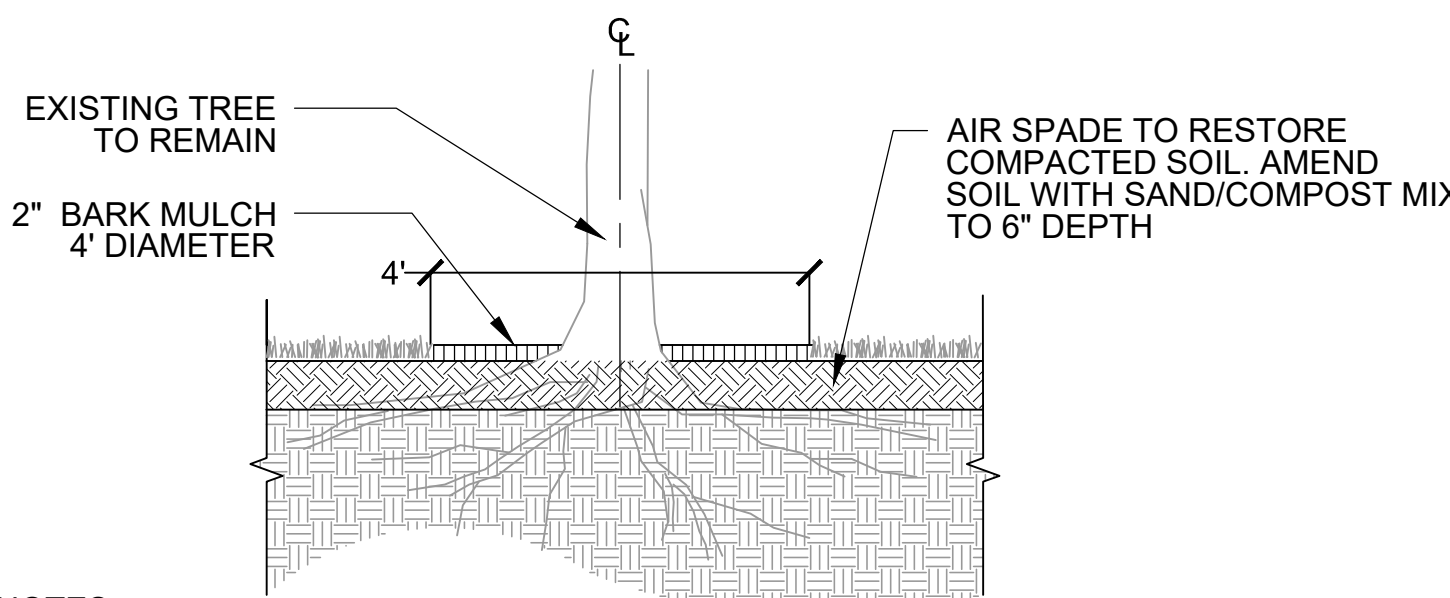


NOTES:

1. PIT SIZE IS EQUAL TO 3X THE SIZE OF THE ROOTBALL DIAMETER.
2. CONTRACTOR SHALL STAKE TREE LOCATIONS IN THE FIELD FOR APPROVAL BY THE OWNER'S REPRESENTATIVE PRIOR TO COMMENCING ANY PLANTING OPERATIONS

2 TREE PLANTING

SCALE: NTS



NOTES:

1. REMOVE ALL WEEDS AND TRIM ALL SUCKERS FLUSH PRIOR TO TREATMENT.
2. PREPARE AND AIRSPADE SOIL TO LOOSEN SOIL AROUND EXISTING ROOTS PER SPECIFICATION SECTION, 024100 SITE PREPARATION. AMEND EXISTING SOIL WITH SAND/COMPOST MIX PER SPECIFICATION SECTION 32 91 13 PLANTING SOILS.
3. THIS TREATMENT APPLIES TO EXISTING TREES AS SHOWN ON SHEET L-2, SITE PREPARATION PLAN.
4. SEE PLANTING PLAN SHEET L-5 FOR SEED MIX.

1 EX. TREE SOIL DECOMPACTION & AMENDMENT (6" DEPTH, FULL ROOT ZONE TO DRIPLINE)

SCALE: NTS

Client/Owner:



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State Transportation Building, 10 Park Plaza,
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Boston, MA 02116

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Stamp:



Project:

**LANDRY PARK
SITE IMPROVEMENTS**
WALTHAM, MA

BID DOCUMENTS

Contract Number: P25-3586-C11A

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Date: JUNE 30, 2025

Drawn By: JN

Designed By: AK

Reviewed By: JMB

Scale: AS NOTED

Revisions

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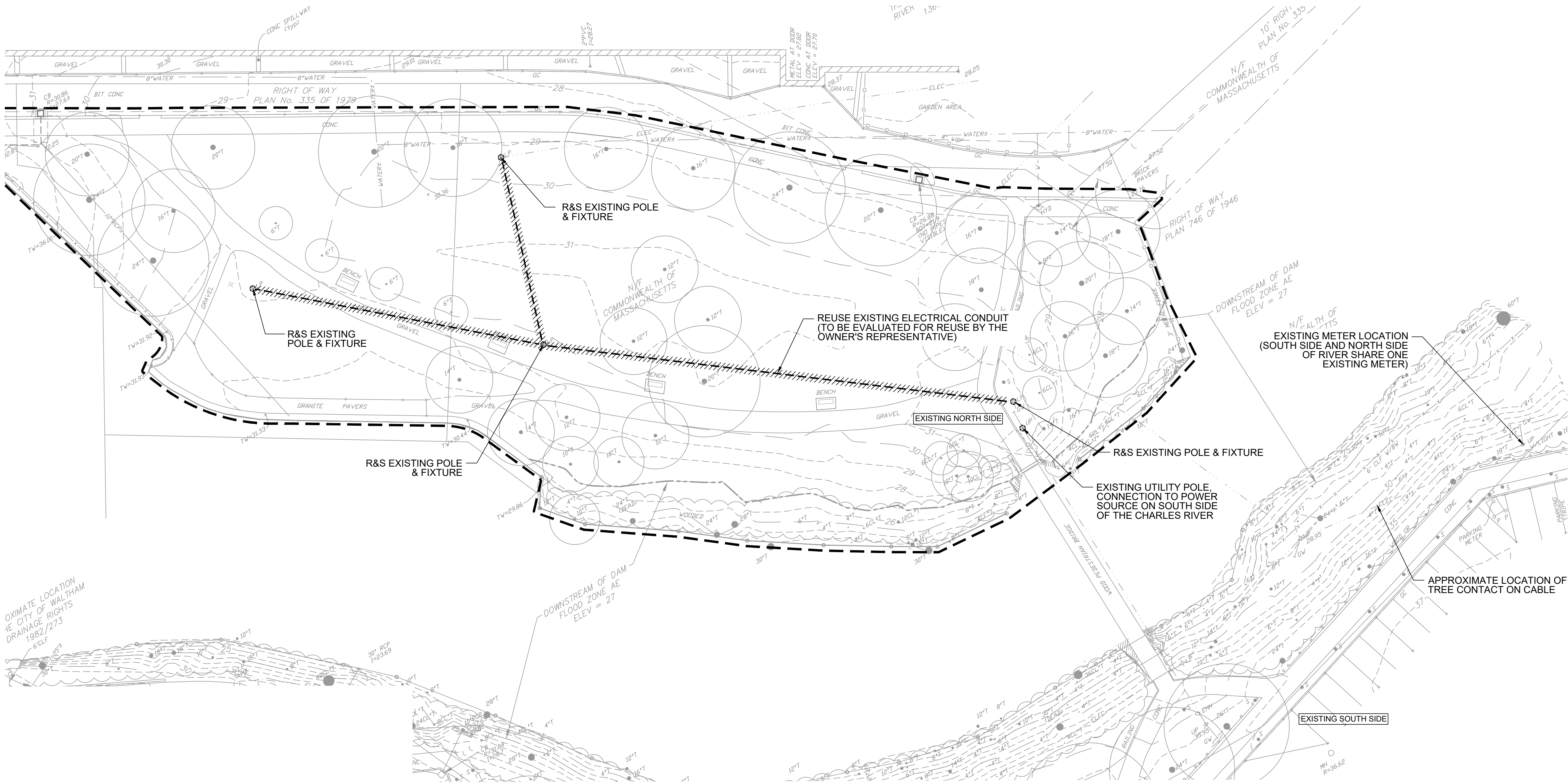
**PLANTING
DETAILS**

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Acc No: 104903x

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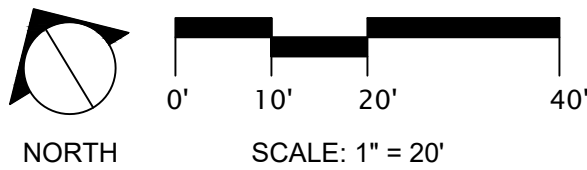


DEMOLITION NOTES:

1. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING AS NECESSARY WITH THE UTILITY PROVIDER TO COMPLETE ALL ELECTRICAL WORK AS SHOWN ON THE CONSTRUCTION DOCUMENTS.
2. EXISTING NORTH SIDE LIGHTING SHARES A METER WITH SOUTH SIDE LIGHTING. CONTRACTOR SHALL COORDINATE AND WORK WITH UTILITY PROVIDER TO PROVIDE SEPARATE SOUTH SIDE AND NORTH SIDE LIGHTING TO HAVE TWO SEPARATE METERS. NEW NORTH SIDE METER SHALL BE LOCATED WITHIN LANDRY PARK AS SHOWN ON THE ELECTRICAL POWER PLAN, SHEET E-2.
3. IT IS ASSUMED THE EXISTING LIGHT FIXTURES ON THE NORTH SIDE ARE FED FROM A PANEL MOUNTED ON A UTILITY POLE LOCATED ON THE SOUTH SIDE OF THE RIVER AS SHOWN. CONTRACTOR SHALL FIELD VERIFY CIRCUITS AND DEMOLISH CABLES BACK TO THE NORTH SIDE UTILITY POLE AS SHOWN.
4. CONTRACTOR SHALL COORDINATE AND WORK WITH UTILITY COMPANY TO ADDRESS AND CORRECT NOTED TREE CONTACT ISSUE WHILE THE IMPROVEMENTS TO TWO METER REWIRING TAKE PLACE.
5. EXISTING LIGHT POLES AND FIXTURES SHALL REMAIN PROPERTY OF THE OWNER. THE CONTRACTOR SHALL TAKE CARE IN REMOVING EXISTING LIGHT POLES AND FIXTURES. CONTRACTOR SHALL DELIVER LIGHT POLES AND FIXTURES TO REGIONAL LOCATION DETERMINED BY DCR. CONTRACTOR SHALL TAKE CARE TO PROTECT ALL STOCKPILED ITEMS DURING REMOVAL, LOADING AND TRANSPORTING. THE CONTRACTOR SHALL BE RESPONSIBLE FOR UNLOADING AND STOCKPILING AT THE DCR DIRECTED LOCATION. CONTRACTOR SHALL SEND WRITTEN NOTIFICATION OF SCHEDULE FOR TRANSPORTATION AND DELIVERY TO DCR AND THE OWNER'S REPRESENTATIVE AT LEAST 2-WEEKS PRIOR TO COMMENCING ELECTRICAL DEMOLITION.
6. CONTRACTOR SHALL REMOVE AND DISPOSE ALL EXISTING ELECTRICAL COMPONENTS NOT IDENTIFIED FOR REUSE INCLUDING LIGHT POLE FOOTINGS AND HAND HOLES.
7. CONTRACTOR SHALL REUSE EXISTING LIGHTING CONDUIT WHERE POSSIBLE. CONDUIT SHALL BE REVIEWED BY OWNER AND OWNER'S REPRESENTATIVE FOR APPROVAL OF REUSE PRIOR TO COMMENCING WORK. WHERE EXISTING CONDUIT IS NOT REUSED, THE CONTRACTOR SHALL PROVIDE NEW CONDUIT TO COMPLETE ELECTRICAL SCOPE AS SHOWN ON SHEET E-2. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS SHOWING LAYOUT OF ANY NEW CONDUIT FOR APPROVAL BY THE OWNER'S REPRESENTATIVE PRIOR TO EXCAVATION. CONTRACTOR SHALL MAKE ALL EFFORTS TO AVOID EXISTING TREE ROOT ZONES/DRIPLINES WITH LAYOUT OF NEW CONDUIT.
8. ALL EXISTING LIGHT FIXTURES, POLE LOCATIONS AND UNDERGROUND CABLE RUNS, ARE APPROXIMATE, IT IS THE CONTRACTORS RESPONSIBILITY TO DETERMINE EXACT LOCATIONS AND REPORT ANY DISCREPANCIES TO THE OWNER'S REPRESENTATIVE PRIOR TO COMMENCING DEMOLITION ACTIVITIES.

LEGEND:

- LIMIT OF WORK
- UTILITY POLE
- LIGHT POLE
- REUSE EXISTING CONDUIT



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**LANDRY PARK
SITE IMPROVEMENTS**
WALTHAM, MA

BID DOCUMENTS

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Date: JUNE 30, 2025

Drawn By: JN

Designed By: PA

Reviewed By: PA, JMB

Scale: 1" = 20'-0"

Revisions

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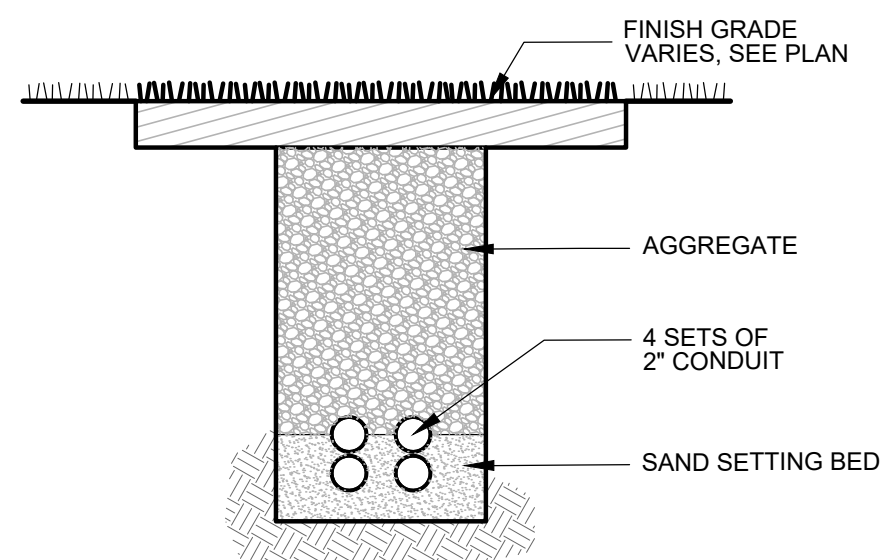
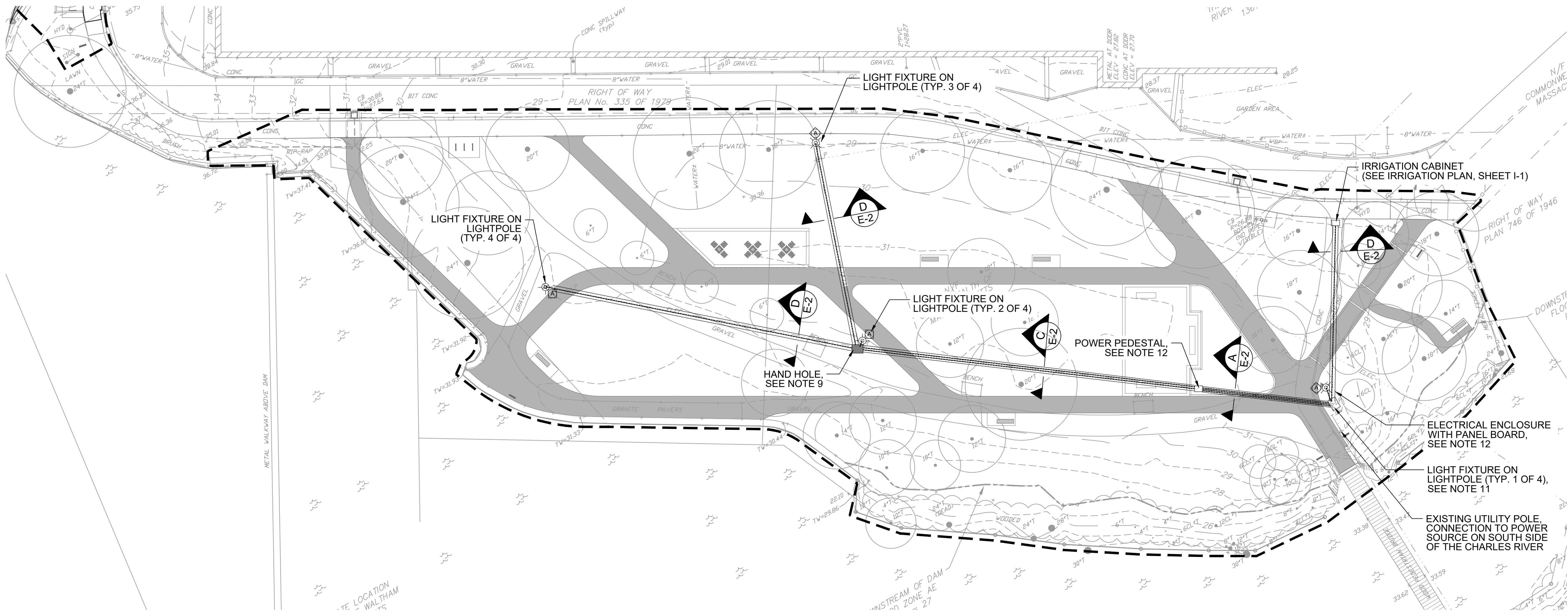
**ELECTRICAL
DEMOLITION PLAN**

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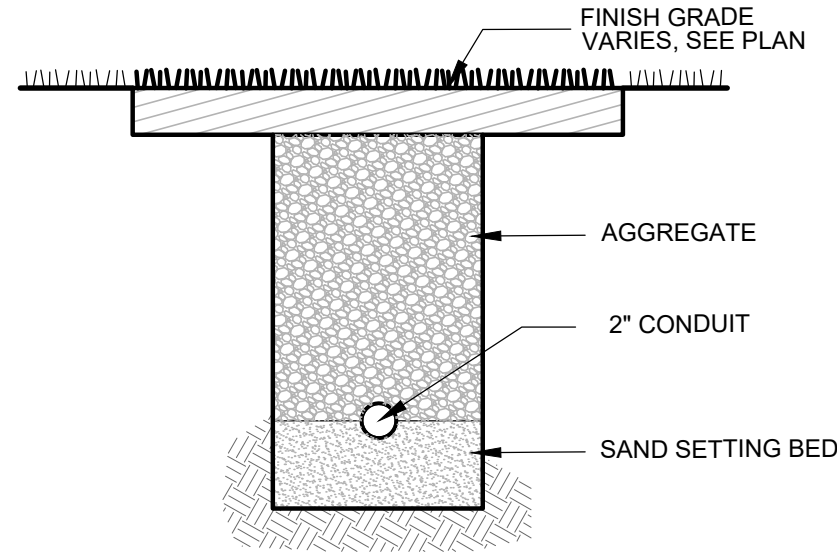
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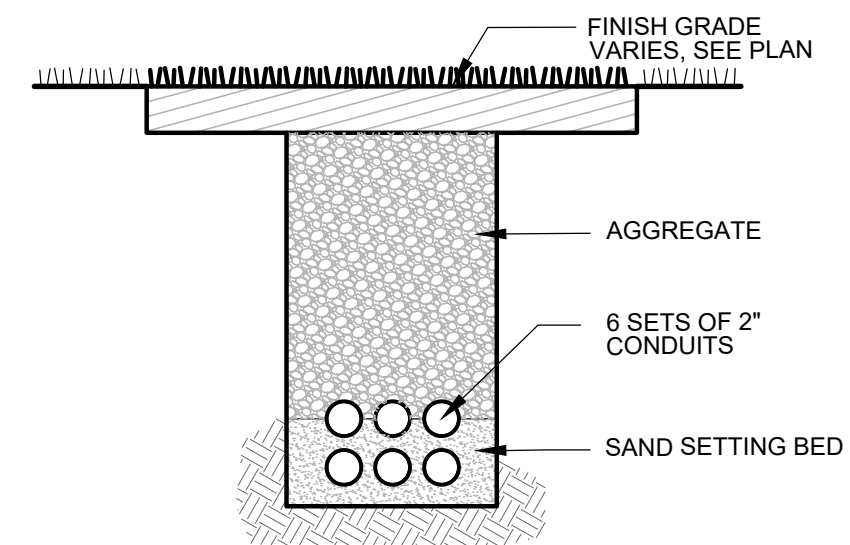
Sheet 12 of 21



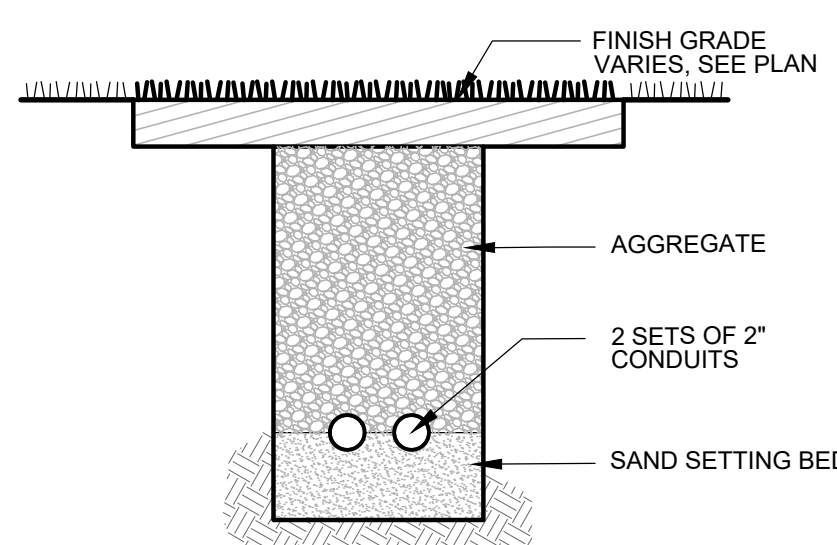
3 SECTION C
N.T.S.



4 SECTION D
N.T.S.



1 SECTION A
N.T.S.



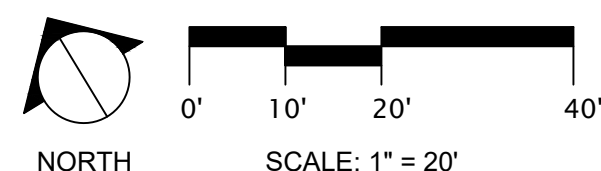
2 SECTION B
N.T.S.

ELECTRICAL NOTES

- ALL CONDUIT RUNS ARE SHOWN FOR DIAGRAMMATIC PURPOSES ONLY, EXACT LOCATIONS AND ROUTING TO BE CONFIRMED IN THE FIELD BY CONTRACTOR TO AVOID INTERFERENCES WITH EXISTING UTILITIES, DUCT BANKS, UNDERGROUND LINES, NEW EQUIPMENT, STRUCTURES, ETC.
- CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING AND PROVIDING THE ADDITION OF A NEW NORTH SIDE METER AND ASSOCIATED SEPARATION OF THE SOUTH SIDE LIGHTING ON THE EXISTING METER. NORTH SIDE METER SHALL BE LOCATED ON THE NORTH SIDE OF THE RIVER AS INDICATED.
- CONTRACTOR SHALL PROVIDE ALL NECESSARY ELECTRICAL INFRASTRUCTURE AND COORDINATION WITH UTILITY PROVIDER TO SEPARATE THE TWO SERVICES AND PROVIDE POWER TO THE NORTH SIDE UTILITY POLE AS REQUIRED.
- ALL EXPOSED CONDUITS SHALL BE PVS COATED RIGID GALVANIZED STEEL (RGS) CONDUITS.
- THE CONTRACTOR SHALL BE RESPONSIBLE TO INSTALL PULL STATIONS IF IT IS DEEMED NECESSARY IN ACCORDANCE TO NEC CODE.
- CONTRACTOR SHALL PROVIDE CONCRETE DUCT BANKS IN ALL CABLE LOCATIONS PASSING BENEATH PAVED SURFACES.
- THE CONTRACTOR SHALL INSTALL A 1/C #2 BARE COPPER STRANDED GROUND CABLE IN ALL DUCT BANKS FOR GROUNDING.
- WHERE POSSIBLE THE CONTRACTOR SHALL INVESTIGATE AND FIND EXISTING GROUNDING FOR THE GROUNDING OF NEW CABLES.
- CONTRACTOR TO SIZE AND PROVIDE A PRECAST POLYMER CONCRETE HAND HOLE WITH COVER. THE ENCLOSURE AND COVER SHALL BE RATED MINIMUM ANSI TIER 15.
- SEE SHEET L-1 FOR EXISTING CONDITIONS PLAN AND NOTES
SEE SHEET L-2 FOR SITE PREPARATION PLAN AND NOTES
SEE SHEET L-3 FOR LAYOUT AND MATERIALS PLAN AND NOTES
SEE SHEET L-4 FOR GRADING PLAN AND NOTES
SEE SHEET L-5 FOR PLANTING PLAN AND NOTES.
- SEE SHEET E-4 DETAIL 1 FOR LIGHT POLE BASE STANDARD INSTALLATION DETAIL AND SEE DETAIL 2 FOR NEW LIGHT POLE STANDARD INSTALLATION DETAIL.
- SEE SHEET E-3 DETAIL 5 FOR NEW ELECTRICAL ENCLOSURE STANDARD INSTALLATION DETAIL, SEE SHEET E-3, DETAIL 4 FOR POWER PEDESTAL STANDARD INSTALLATION DETAIL.
- CONTRACTOR SHALL PROVIDE IRRIGATION CABINET WITH DEDICATED 120-VOLT POWER CIRCUIT AS INDICATED.

LEGEND:

- LIMIT OF WORK
- EXISTING UTILITY POLE
- PROPOSED LIGHT POLE
- NEW HANDHOLE
- === UNDERGROUND CONDUIT



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LANDRY PARK SITE IMPROVEMENTS WALTHAM, MA

BID DOCUMENTS

Contract Number: P25-3586-C11A

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Date: JUNE 30, 2025

Drawn By: JN

Designed By: PA

Reviewed By: PA, JMB

Scale: 1" = 20'-0"

Revisions

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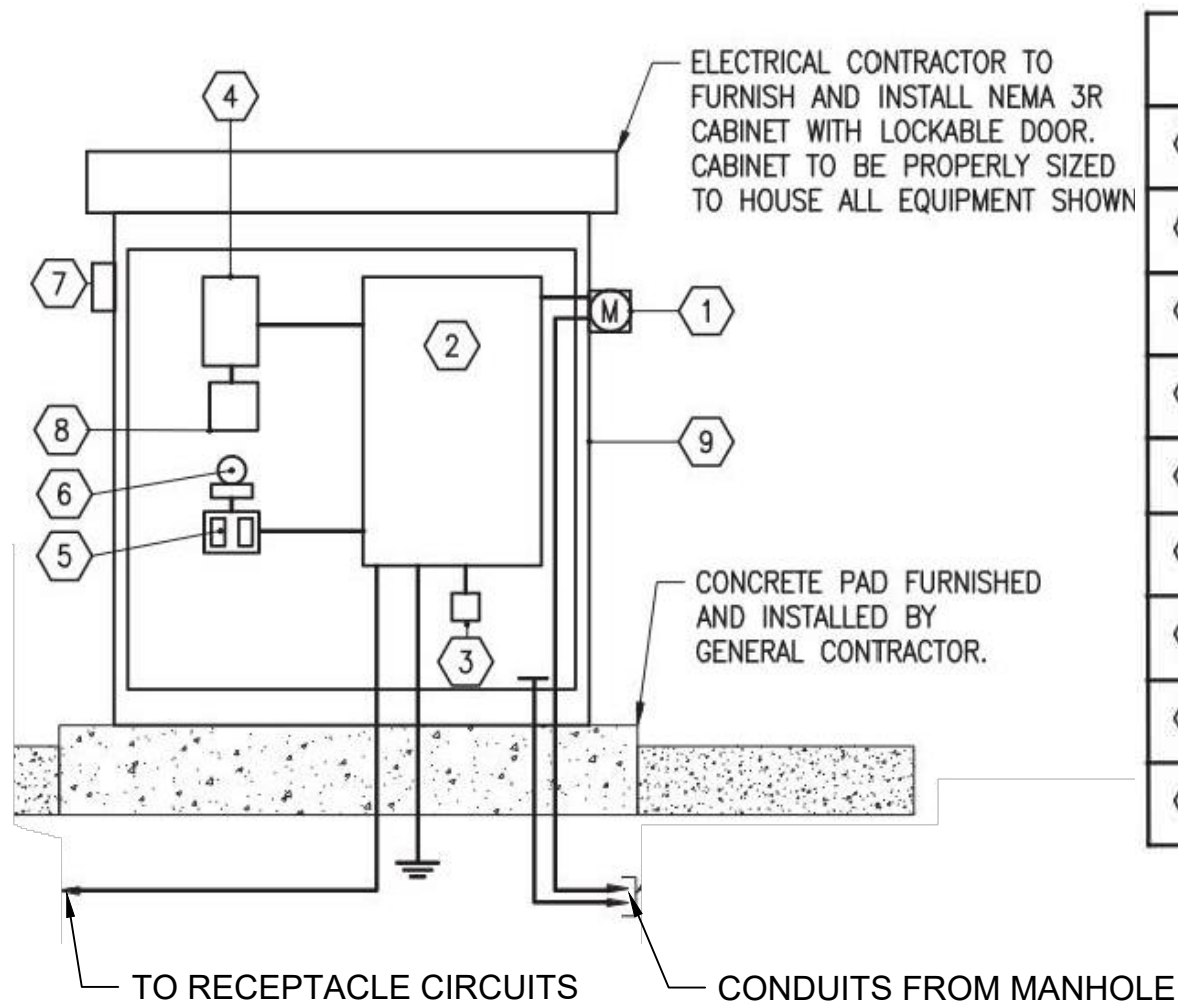
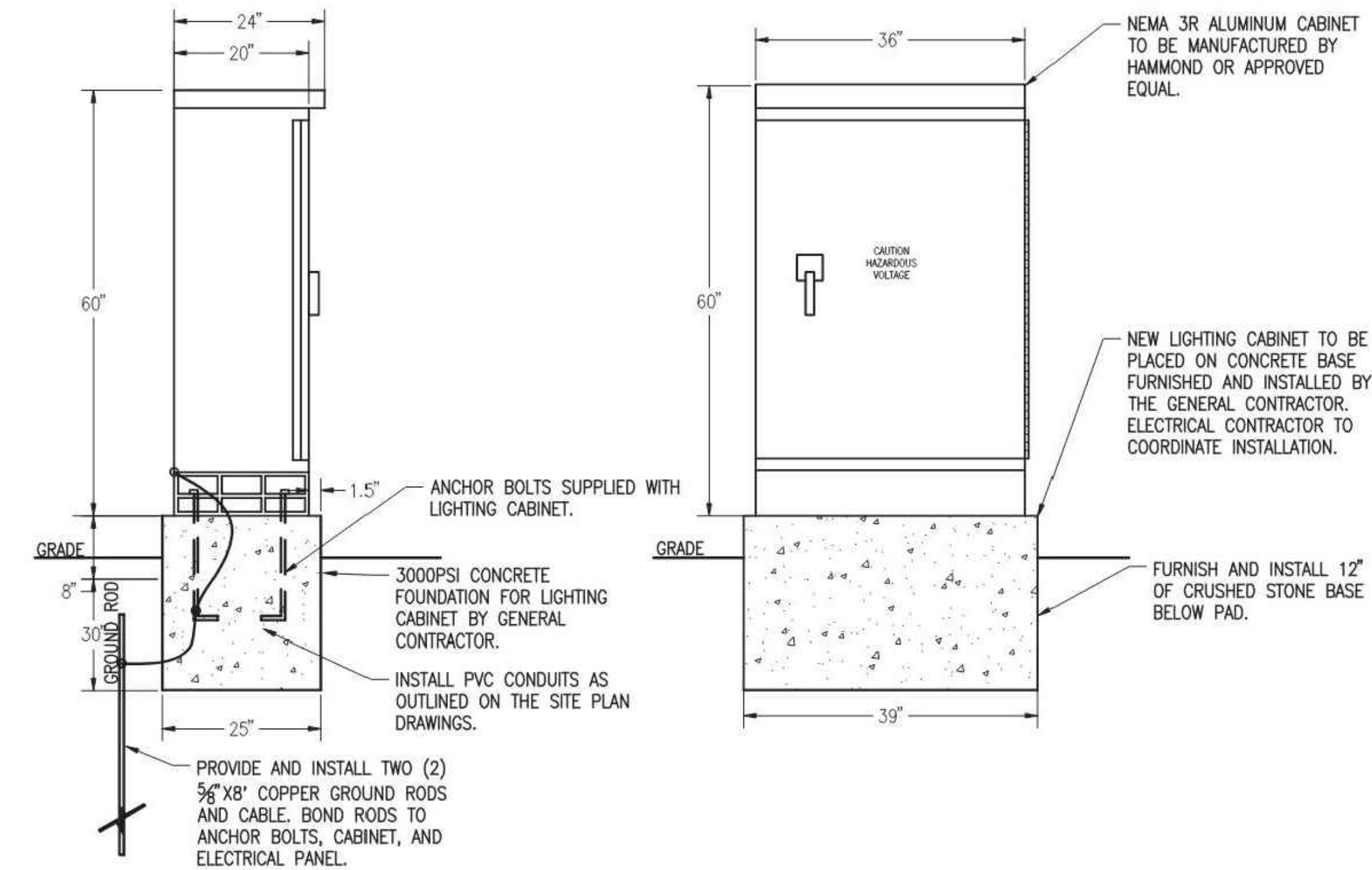
ELECTRICAL POWER PLAN

Sheet No:

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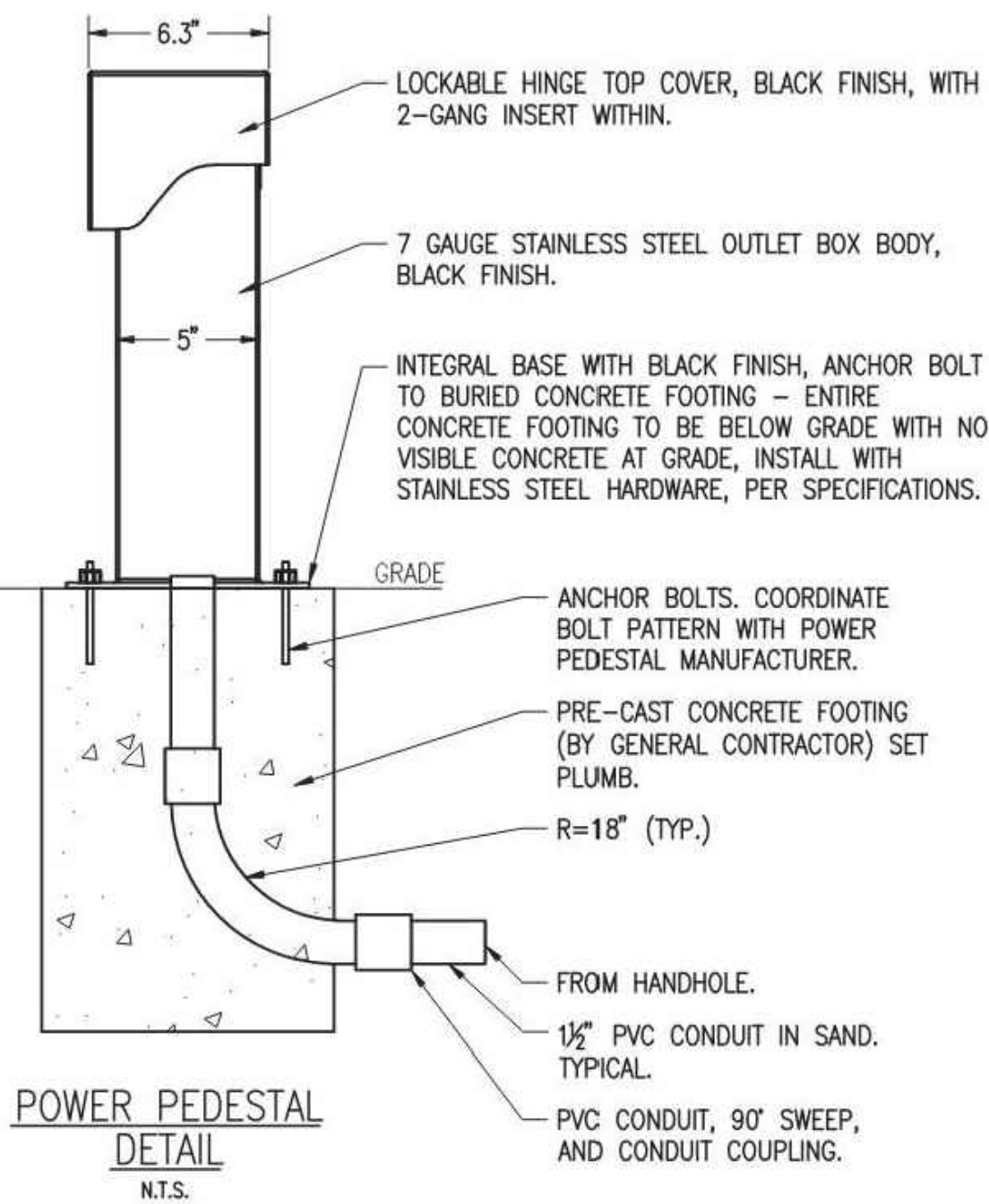
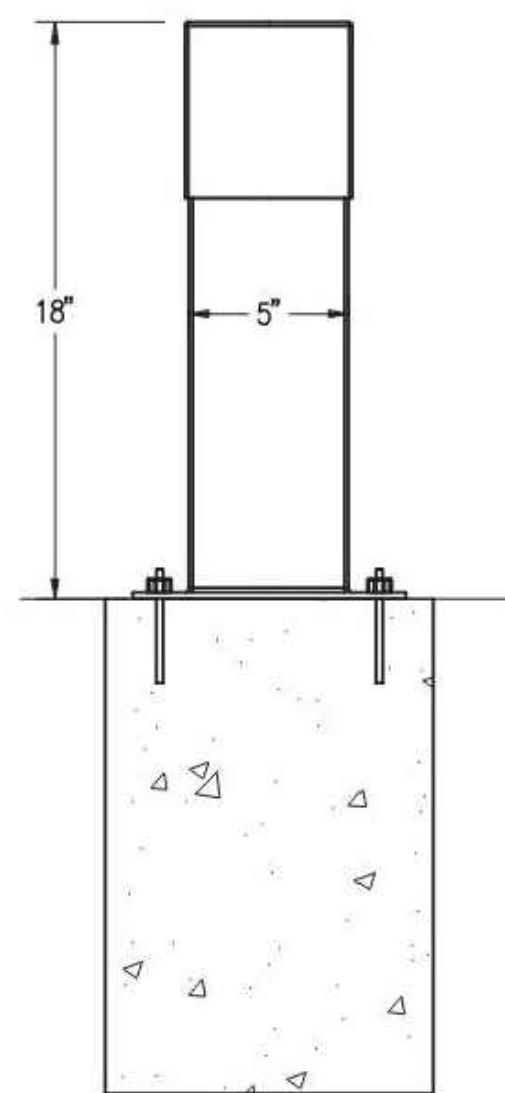
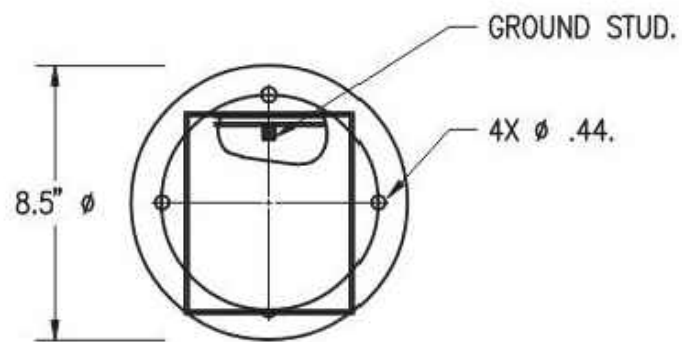
ELECTRICAL ENCLOSURE NOTES

- 1 - THE ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL THE ELECTRICAL ENCLOSURE AND ALL ACCESSORIES. ENCLOSURE SHALL BE CAST ALUMINUM OR SHEET ALUMINUM NEMA 3R ELECTRICAL ENCLOSURE - 36" X 60" X 20" WITH PAD LOCK LOCKABLE, HINGED DOORS, DARK GREEN COLOR, PER DCR ELECTRIC STANDARDS.
- 2 - THE ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL 100A, 120/240V, 1-PHASE, 3-WIRE SERVICE ENTRANCE RATED PANEL WITH CIRCUIT BREAKERS AS SHOWN. ELECTRICAL CONTRACTOR TO FURNISH AND INSTALL METER SOCKET AND 100A FEEDER FROM SOURCE. REFER TO SECONDARY ELECTRIC SERVICE NOTES, DWG E4.20.
- 3 - ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL TIME CLOCK, CONTACTOR, AND PHOTOCELL IN THE CABINET TO CONTROL LIGHTING CIRCUITS.
- 4 - ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL GFCI RECEPTACLE IN CABINET INCLUDING BRANCH CIRCUIT TO PANEL. FURNISH AND INSTALL A 24" LED LENSED STRIP TYPE LIGHTING FIXTURE INCLUDING SWITCH AND WIRING.
- 5 - GENERAL CONTRACTOR TO PROVIDE CONCRETE PAD. TOP OF PAD MINIMUM OF 8" ABOVE GRADE. PROVIDE TWO GROUND ROD AND BOND TO CABINET AND PANEL ELECTRICAL CONTRACTOR TO COORDINATE INSTALLATION ON PAD.
- 6 - FURNISH AND INSTALL ALL EQUIPMENT SHOWN IN DETAIL AND ALL ACCESSORIES AS REQUIRED.
- 7 - COORDINATE WITH IRRIGATION FOR ALL IRRIGATION CONTROLLER CIRCUIT AND CONDUIT REQUIREMENTS.
- 8 - ELECTRICAL CONTRACTOR TO VERIFY CABINET TO BE PROPERLY SIZED TO HOUSE ALL EQUIPMENT SHOWN.

5 ELECTRICAL ENCLOSURE

N.T.S.

EQUIPMENT SCHEDULE	
1	FEEDTHRU UTILITY METER SOCKET
2	100A, 3PH, 4W PANELBOARD, LP1
3	SURGE PROTECTION DEVICE
4	MECHANICALLY HELD LIGHTING CONTROL
5	GFI RECEPTACLE/LIGHT SWITCH
6	LIGHTING FIXTURE
7	PHOTOCELL
8	TIME CLOCK
9	ENCLOSURE 55"W X 60"H X 20"D



NOTES

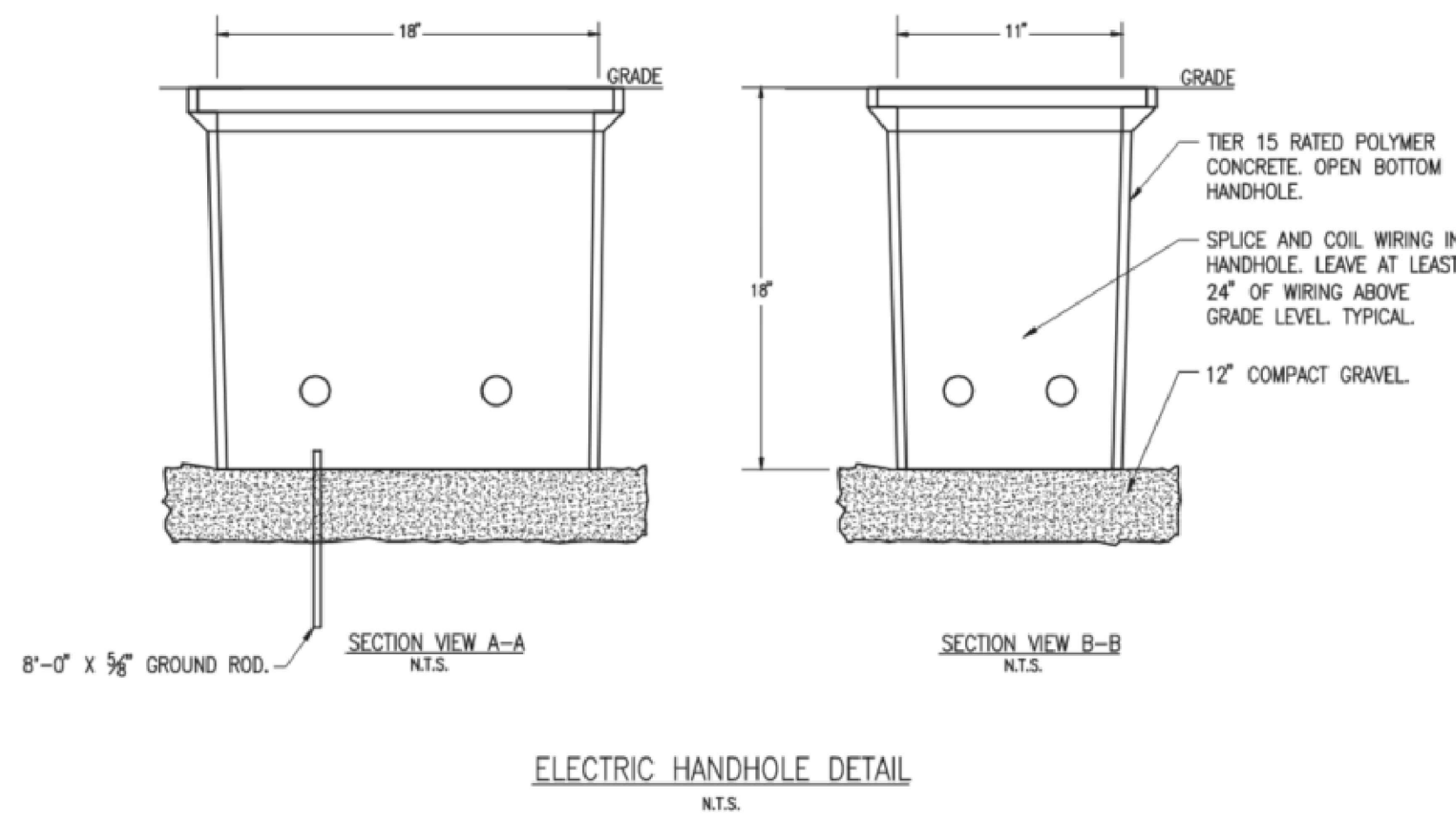
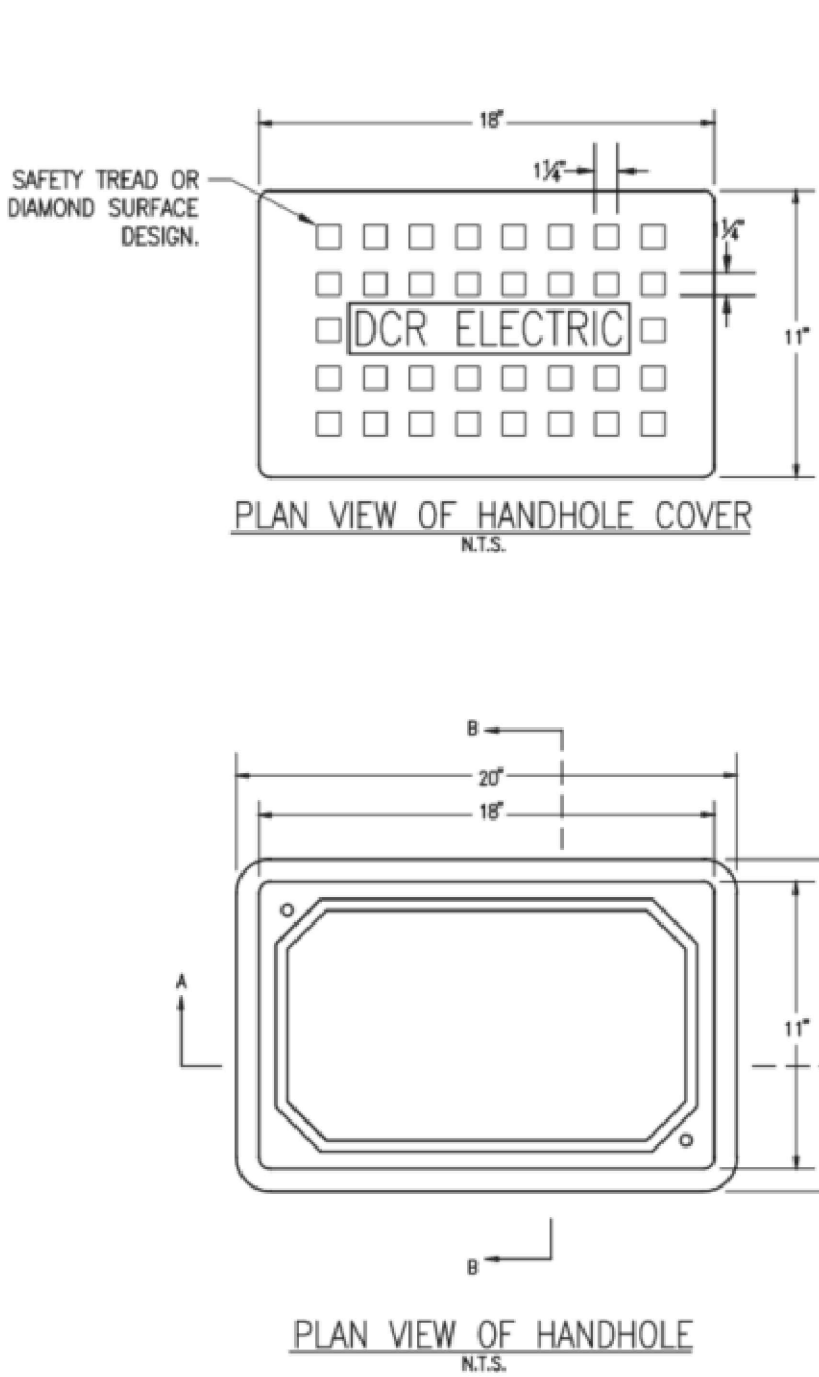
- 1 - POWER PEDESTAL SHALL BE 5"x5" STAINLESS STEEL OUTLET BOX PEDESTAL WITH LOCKABLE HINGE TOP IN-USE COVER AND INTEGRAL BASE. PEDOC #518HT-1 OR APPROVED EQUAL.
- 2 - ELECTRICAL CONTRACTOR TO FURNISH AND INSTALL TWO DEDICATED 20A-1P WEATHER RESISTANT GFCI RECEPTACLES IN PEDESTAL ENCLOSURE PER MANUFACTURER'S REQUIREMENTS.

4 POWER PEDESTAL

N.T.S.

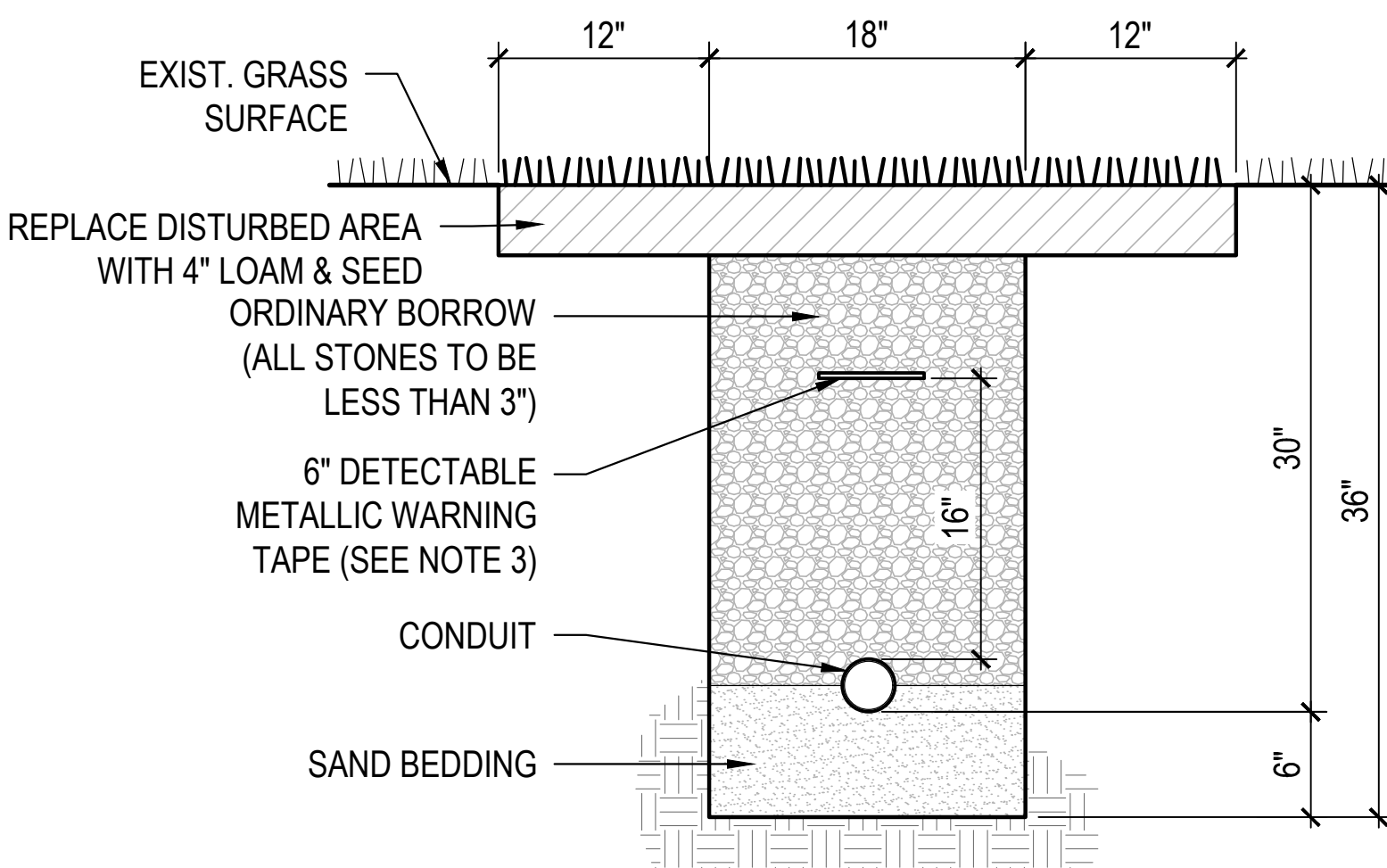
3 ELECTRICAL HAND HOLE

N.T.S.



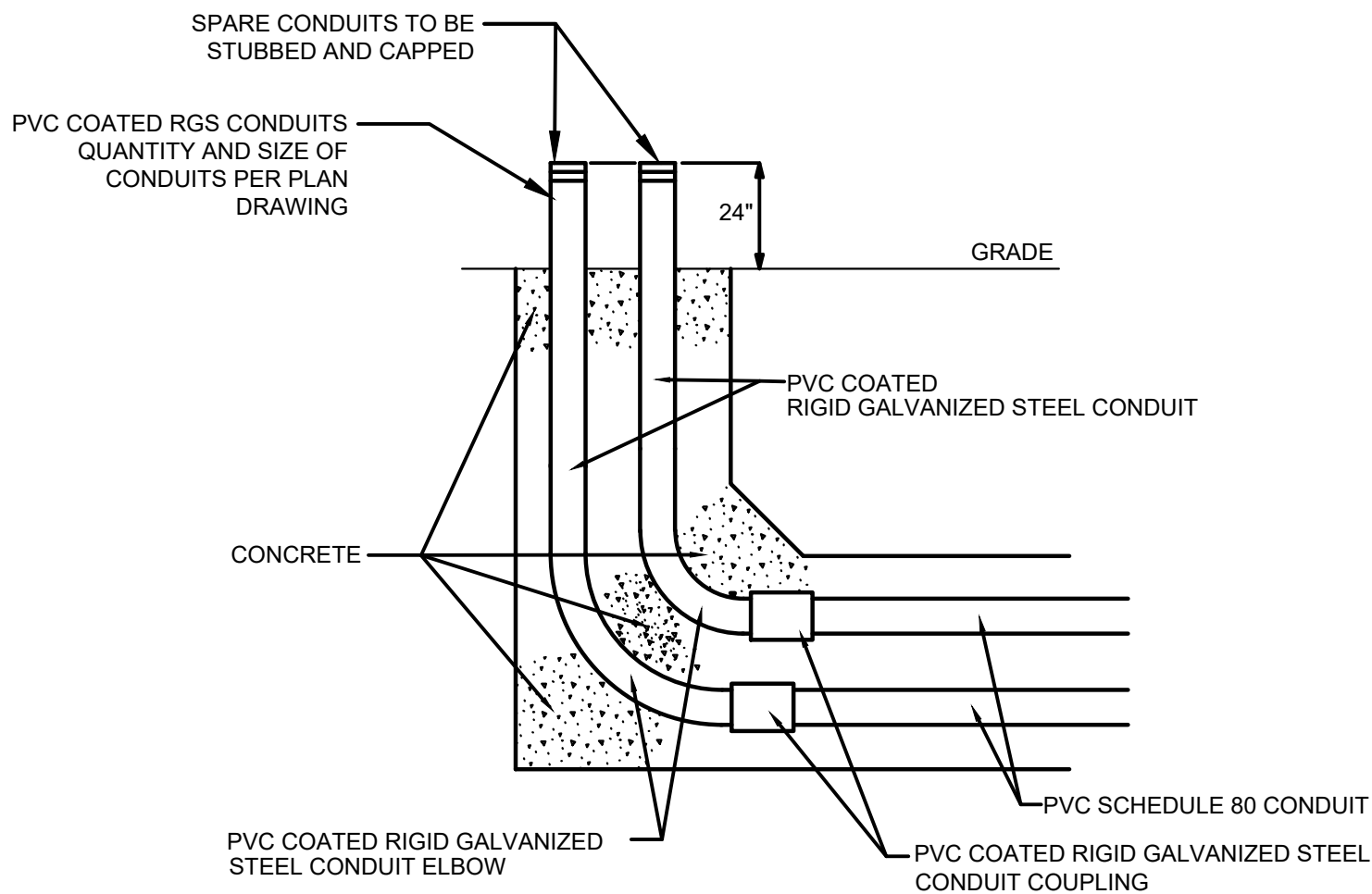
HANDHOLE NOTES

- 1 - HANDHOLES TO BE SIZED PER CODE FOR CONDUITS ENTERING AND LEAVING EACH HANDHOLE. MINIMUM SIZE 11" X 18" X 18" DEEP UNLESS OTHERWISE NOTED. HANDHOLES SHALL BE TIER 15 RATED, POLYMER CONCRETE, OPEN BOTTOM, AND SHALL BE QUAZITE GP SERIES OR APPROVED EQUAL. COVERS TO BE FURNISHED WITH "ELECTRIC" ON THE COVER. FURNISH AND INSTALL 12" OF CRUSHED STONE BELOW HANDHOLES. FURNISH AND INSTALL MAGNETIC WARNING TAPE ABOVE ALL CONDUITS. COORDINATE EXACT LOCATION WITH GENERAL CONTRACTOR.
- 2 - THE ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL HANDHOLE AND COORDINATE INSTALLATION WITH LANDSCAPE ARCHITECT.



2 CONDUIT UNDER GRASS AREA

N.T.S.



1 CONDUIT TRANSITIONS AND STUB-UP

N.T.S.

Client/Owner:



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Drawn By: JN

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Reviewed By: PA, JMB

Scale: AS SHOWN

Revisions

Number: Description: Date:

Sheet Title:

ELECTRICAL
DETAILS

Sheet No:

E-3

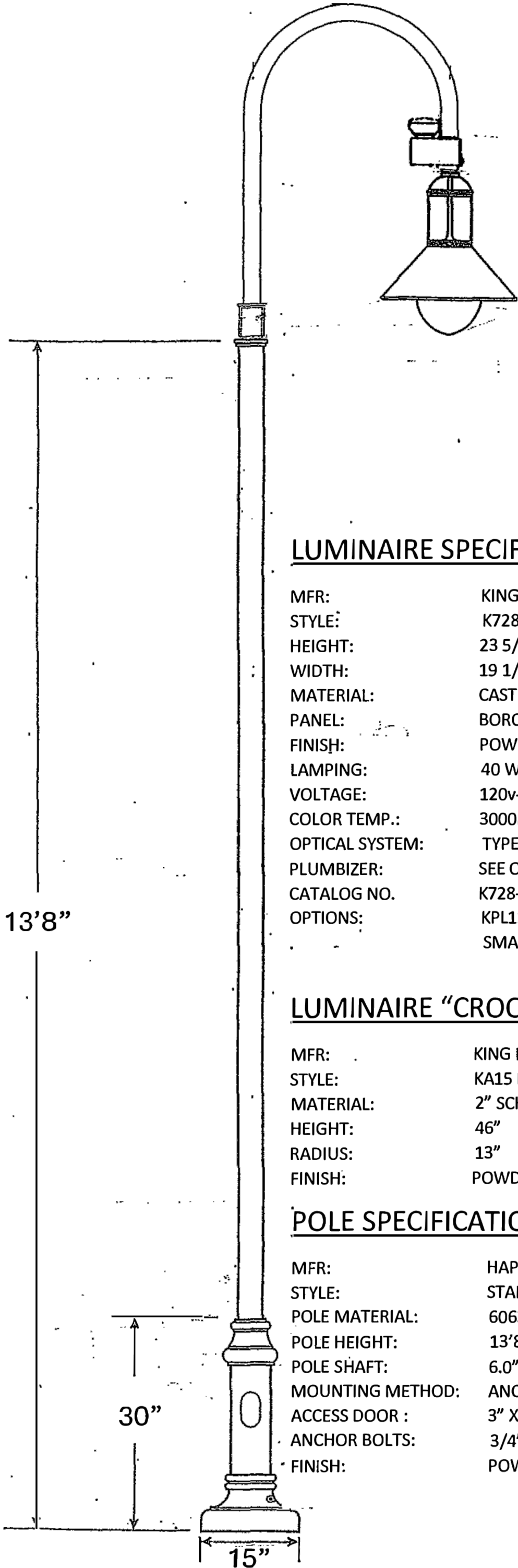
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ELECTRICAL BILL OF MATERIALS		
TYPE	QTY.	DESCRIPTION
A	4	KING LUMINAIRE - K728 MODERNE JR- LED TYE CAT NUMBER: K728-p4fl-iii-40-7030-120
B	4	LUMINAIRE "CROOK" STYLE ARM - KA15 POST TOP PENDANT MOUNT
C	4	POLE - HAPCO, STAFFORD15 MOD
D	1	ELECTRICAL PRECAST POLYMER CONCRETE HANDHOLE WITH MINIMUM RATED ANSI TIER 15 COVER. TO BE SIZED BY ELECTRICAL CONTRACTOR.
E	1	POWER PEDESTAL
F	1	ELECTRICAL ENCLOSURE

CONDUIT AND CABLE SCHEDULE		DESTINATION
①	2#10, & 1#10 GND.-2"C	TO VARIOUS LIGHT FIXTURES ON LIGHT POLES
②	2#12 &1#12	TO POWER PEDESTAL
③	2#12 &1#12	TO IRRIGATION CABINET

ELECTRICAL BILL OF MATERIALS / CONDUIT AND CABLE
SCHEDULE



LUMINAIRE SPECIFICATIONS

MFR: KING LUMINAIRE
STYLE: K728 MODERNE JR.
HEIGHT: 23 5/16"
WIDTH: 19 1/2" DIAMETER
MATERIAL: CAST ALUMINUM ALLOY ANSI 356 PER A.S.T.M. 826-95
PANEL: BOROSILICATE CLEAR GLASS
FINISH: POWDER COAT – RAL 9005 (JET BLACK)
LAMPING: 40 WATT LED SYSTEM
VOLTAGE: 120v-277v
COLOR TEMP.: 3000K (WARM WHITE)
OPTICAL SYSTEM: TYPE III OPTICS – DARK SKY W/ LOW GLARE OPAQUE LENS ENCLOSURE
PLUMBIZER: SEE OPTIONS
CATALOG NO. K728-P4FL-III-40-7030-120:277 S/F KPL11-3K-BK
OPTIONS: KPL11 PLUMBIZER W/ NEMA 7 PIN CONTROL RECEPTACLE,
SMART CONTROLLER

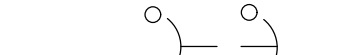

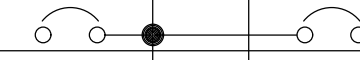


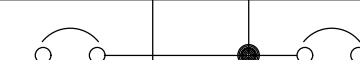

LUMINAIRE “CROOK” STYLE ARM

MFR: KING LUMINAIRE
STYLE: KA15 POST TOP PENDANT MOUNT
MATERIAL: 2" SCH 40 ALUMINUM PIPE, ALLOY 6063-T6
HEIGHT: 46"
RADIUS: 13"
FINISH: POWDER COAT – RAL 9005 (JET BLACK)

POLE SPECIFICATIONS

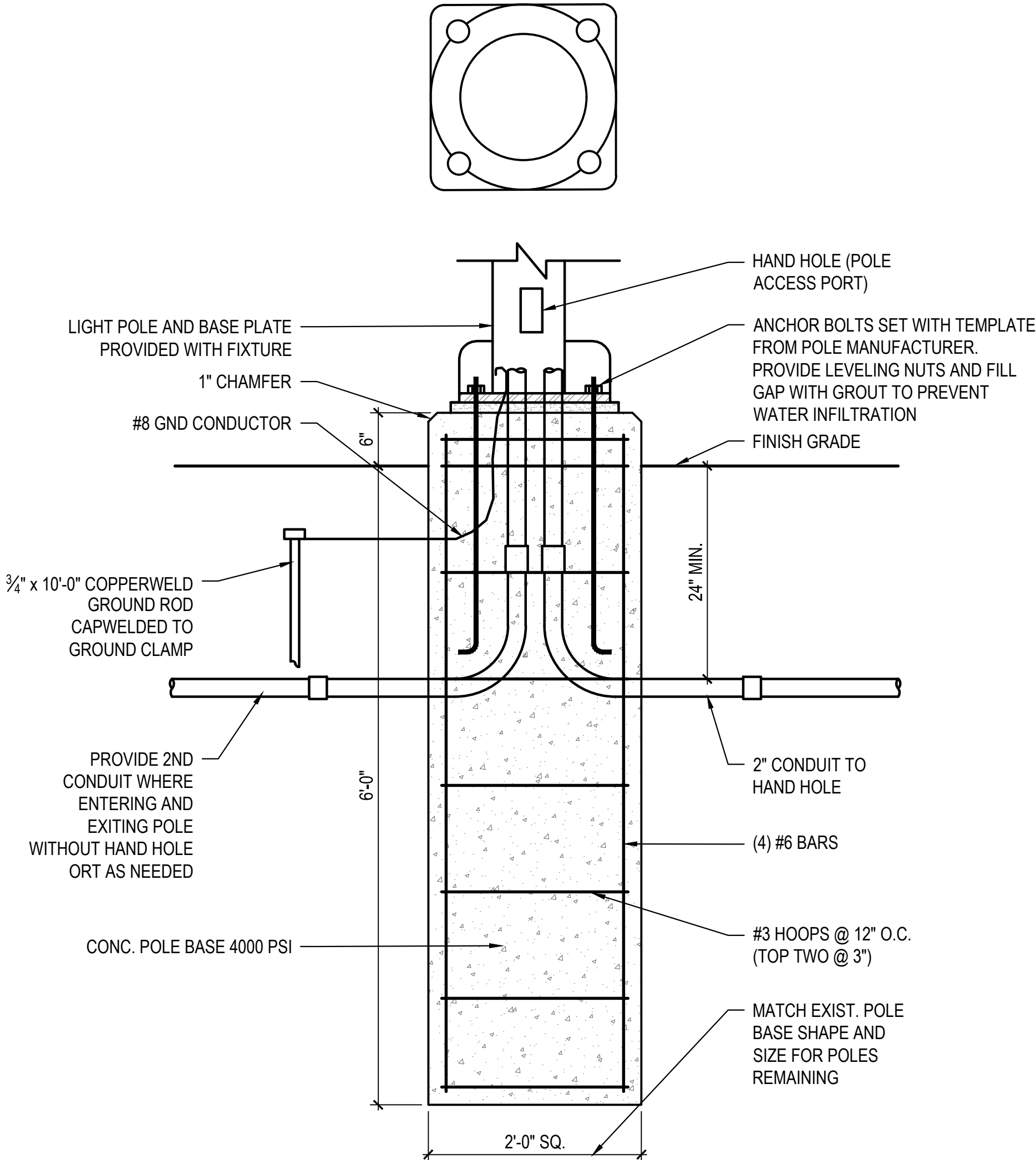
MFR: HAPCO
STYLE: STAFFORD 15-MOD
POLE MATERIAL: 6063 ALUMINUM ALLOY, HEAT TREATED AFTER WELDING
POLE HEIGHT: 13'8"
POLE SHAFT: 6.0" TO 4" STEPPED, NON- TAPER - .188" WALL THICKNESS
MOUNTING METHOD: ANCHOR BASE – 9"-10" SLOTTED BOLT CIRCLE
ACCESS DOOR : 3" X 5" W/ COVERANDINTERNAL GROUNDING PROVISION
ANCHOR BOLTS: 3/4" X 30" X 3" HD GALV. F1554 GR55 STEEL
FINISH: POWDERCOAT – RAL 9005 (JET BLACK)

② LIGHT POLE TYPE B
N.T.S.

WATTS		PANELBOARD SCHEDULE 120/240 VOLT/1 PHASE/3 WIRE/MAIN BREAKER 100A/MAIN BUS 100A								WATTS	
PH 0A	PH 0B	DESCRIPTION	POLE	CKT NO		CKT NO	POLE	DESCRIPTION	PH 0A	PH 0B	
*		POLE 1 FIXTURE	1	1		2	1	POLE 2 FIXTURE	*		
	*	POLE 3 FIXTURE	1	3		4	1	POLE 4 FIXTURE		*	
*		IRRIGATION CABINET	1	5		6	1	RECPTACLE PEDESTAL	*		
	*	SPARE	1	7		8	1	SPARE		*	
*		SPARE	1	9		10	1	SPARE	*		
	*	SPARE	1	11		12	1	SPARE		*	
	*	SUB TOTAL						SUB TOTAL	*	*	
*	*	TOTAL			<u>NOTES:</u>						

- NOTES:
- ALL BRANCH CIRCUIT BREAKERS SHALL BE
RATED 20AMP. UNLESS OTHERWISE NOTED.
 - GFCL-DENOTES GROUND FAULT CIRCUIT INTERRUPTER
TYPE BRANCH CIRCUIT BREAKER

DISTRIBUTION PANEL-DP1



- DETAIL NOTES:
- LIGHT POLE BASE SHALL MEET THE REQUIREMENTS OF ITEM MADOT STANDARD
SPECIFICATIONS FOR HIGHWAYS AND BRIDGES.
 - TYPICAL DIMENSIONS FOR REINFORCING PROVIDED FOR DESIGN INTENT. CONTRACTOR
SHALL SUBMIT SHOP DRAWINGS STAMPED BY A MA LICENSED STRUCTURAL ENGINEER
BASED UPON SOIL CONDITIONS, POLE HEIGHT, FIXTURE STYLE, AND 2020 LOAD CRITERIA.
 - INCLUDE COPPER CLAD GROUND ROD, A GROUNDING CLAMP, AND #8 RIBBON BRAID GROUND
CONDUCTOR.

① LIGHT POLE BASE
N.T.S.

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Stamp:

Project:

LANDRY PARK
SITE IMPROVEMENTS
WALTHAM, MA

BID DOCUMENTS

Contract Number: P25-3586-C11A

Hatch Project Number: H-371610

Date: JUNE 30, 2025

Drawn By: AK

Designed By: PA

Reviewed By: PA, JMB

Scale: AS SHOWN

Revisions

Number: Description: Date:

Sheet Title:

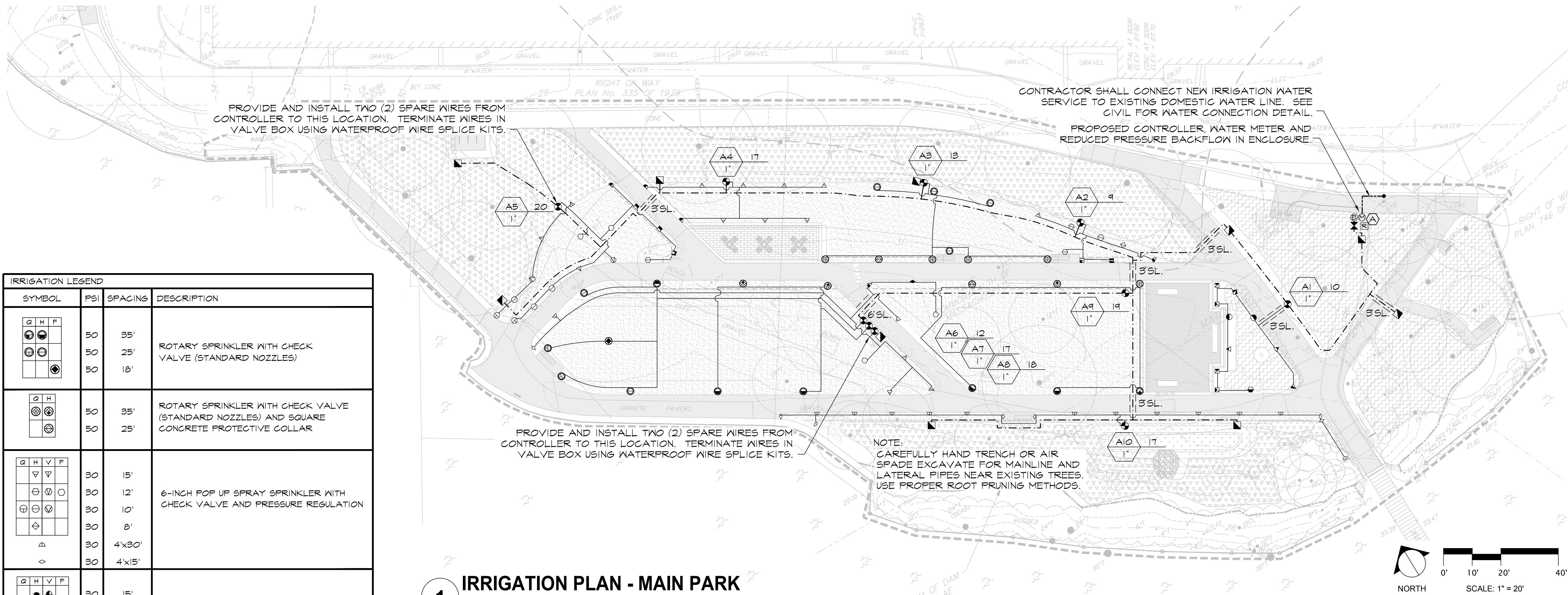
ELECTRICAL DETAILS
AND SCHEDULE

Sheet No:

E-4

Acc No: 104907x

Sheet 15 of 21



IRRIGATION LEGEND																							
SYMBOL	PSI	SPACING	DESCRIPTION																				
<table><tr><td>Q</td><td>H</td><td>F</td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr></table>	Q	H	F													50	35'	ROTARY SPRINKLER WITH CHECK VALVE (STANDARD NOZZLES)					
Q	H	F																					
	50	25'																					
	50	18'																					
<table><tr><td>Q</td><td>H</td></tr><tr><td></td><td></td></tr><tr><td></td><td></td></tr><tr><td></td><td></td></tr></table>	Q	H							50	35'	ROTARY SPRINKLER WITH CHECK VALVE (STANDARD NOZZLES) AND SQUARE CONCRETE PROTECTIVE COLLAR												
Q	H																						
	50	25'																					
<table><tr><td>Q</td><td>H</td><td>V</td><td>F</td></tr><tr><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td></tr></table> <div></div> <div></div>	Q	H	V	F																	30	15'	6-INCH POP UP SPRAY SPRINKLER WITH CHECK VALVE AND PRESSURE REGULATION
Q	H	V	F																				
	30	12'																					
	30	10'																					
	30	8'																					
	30	4'x30'																					
	30	4'x15'																					
<table><tr><td>Q</td><td>H</td><td>V</td><td>F</td></tr><tr><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td></tr></table>	Q	H	V	F																	30	15'	6-INCH POP UP SPRAY SPRINKLER WITH CHECK VALVE, PRESSURE REGULATION AND SQUARE CONCRETE PROTECTIVE COLLAR
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Q	H	V																					
	30	12'																					
	30	10'																					
	30	8'																					
	30																						
	1" 24 VOLT ELECTRIC ZONE VALVE (SEE VALVE DESIGNATOR FOR FLOWS)																						
	1-1/2" ISOLATION GATE VALVE																						
	1" QUICK COUPLING VALVE																						
	CLASS-200 PVC LATERAL PIPING (SEE LATERAL PIPE SCHEDULE)																						
	1-1/2" CLASS-200 PVC MAINLINE PIPING																						
	1-1/2" TYPE K COPPER PIPING																						
	CLASS-200 PVC PIPE SLEEVE (SIZE AS INDICATED) INSTALL SCH-40 PVC WIRE CONDUIT ADJACENT TO MAINLINE PIPE SLEEVES. MINIMUM WIRE CONDUIT SIZE TO BE 2-INCH. SEE SLEEVING DETAIL.																						
	AUTOMATIC CONTROLLER																						
	AUTOMATIC WEATHER SENSOR																						
	IRRIGATION WATER METER																						
	BACK FLOW PREVENTION DEVICE																						
VALVE DESIGNATION:																							
	STATION NO.																						
	FLOW																						
	VALVE SIZE																						

1 IRRIGATION PLAN - MAIN PARK

SCALE: 1" = 20'-0"

IRRIGATION NOTES	
1. COORDINATE FINAL LOCATION OF SPRINKLERS AND NOZZLE SELECTION WITH FINAL APPROVED LANDSCAPE.	
2. PIPE AND VALVE LOCATIONS ARE DIAGRAMMATIC, CONTRACTOR SHALL FIELD VERIFY.	
3. VALVES AND VALVE BOXES SHALL BE PLACED, WHERE POSSIBLE, IN PLANTED AREAS UNDER MULCH.	
4. INSTALL PIPING AS FAR FROM TREES AND ROOT BALLS AS POSSIBLE WHILE MAINTAINING SPRINKLER SPACING.	
5. ALL CONTROL WIRE SHALL BE #14 GAUGE SINGLE STRAND, RED FOR TURF ZONES AND ORANGE FOR DRIP, ALL COMMON WIRE SHALL BE #14 GAUGE SINGLE STRAND WHITE AND ALL SPARE WIRES, INSTALLED WHERE SHOWN, SHALL BE #14 GAUGE SINGLE STRAND BLUE.	
6. QUICK COUPLING VALVES SHALL BE INSTALLED ON 1 INCH PVC SWING JOINTS WITH BRASS INSERTS AND STABILIZERS. (SEE DETAIL)	
7. SPRAY AND ROTARY SPRINKLERS SHALL BE INSTALLED ON SWING PIPE ASSEMBLIES, MINIMUM LENGTH TO BE 6 INCHES, 18 INCH MAXIMUM.	
8. IRRIGATION SYSTEM IS DESIGNED FOR SEPARATE WATER SUPPLY TO PROVIDE 25 GPM MAX FROM POTABLE SERVICE. SYSTEM TO PRODUCE 65-PSI DYNAMIC PRESSURE AT IRRIGATION CONTRACTOR'S POINT OF CONNECTION IN LANDSCAPED AREA.	
9. CONTRACTOR SHALL TEST DYNAMIC PRESSURE BEFORE STARTING WORK, REPORT ANY DEVIATION FROM PRESSURE REQUIRED TO OWNER'S REPRESENTATIVE BEFORE CONTINUING.	

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

IRRIGATION NOTES	
10. INSTALL CONTROLLER IN METER AND BACKFLOW ENCLOSURE, GENERALLY WHERE SHOWN ON THE DRAWINGS, HARD WIRE TO 120 VOLT, DEDICATED 15 AMP CIRCUIT, POWER SUPPLY USING LICENSED ELECTRICIAN, ROUTE ZONE AND SPARE WIRES TO CONTROLLER VIA CONDUIT THROUGH ENCLOSURE BASE.	
11. INSTALL WEATHER SENSOR ON OUTSIDE OF METER AND BACKFLOW ENCLOSURE. ROUTE WEATHER SENSOR WIRING TO CONTROLLER THROUGH ENCLOSURE WALL.	
12. ABOVE GROUND WIRING, INSIDE AND OUTSIDE OF ENCLOSURE, SHALL BE INSTALLED IN RIGID, METALLIC CONDUIT FOR VANDALISM PROTECTION.	
13. COORDINATE LOCATION OF EXISTING AND FUTURE UTILITIES ON SITE AND CONTACT PROPER AUTHORITIES AND UTILITY COMPANIES BEFORE THE START OF WORK.	
12. SPRAY SPRINKLERS FOR TURF SHALL HAVE 6 INCH POP UP HEIGHT. SHRUB SPRINKLERS SHALL HAVE 12 INCH POP UP HEIGHT.	
13. CONTRACTOR MUST SUBMIT SHOP PRODUCT DRAWINGS AS PER THE WRITTEN SPECIFICATIONS TO THE IRRIGATION CONSULTANT FOR APPROVAL PRIOR TO ORDERING MATERIAL AND BEGINNING WORK.	
14. ANY AND ALL MATERIAL SUBSTITUTIONS WHICH VARY FROM THE SPECIFIED PRODUCTS MUST BE SUBMITTED TO THE IRRIGATION CONSULTANT FOR APPROVAL AS PART OF THE SUBMITTAL PROCESS.	
15. ONCE APPROVED SUBMITTALS HAVE BEEN RETURNED TO THE CONTRACTOR, WORK MAY BEGIN. THE IRRIGATION CONSULTANT MUST BE NOTIFIED A MINIMUM OF 7-DAYS IN ADVANCE OF THE START OF WORK TO COORDINATE ON-SITE SUPERVISION AND ADMINISTRATION.	
16. SEE IRRIGATION DETAILS AND SPECIFICATIONS SECTION FOR ADDITIONAL NECESSARY INFORMATION.	



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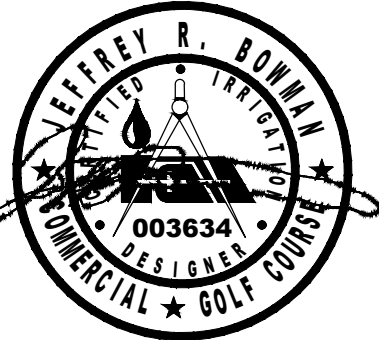


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Project:

LANDRY PARK
SITE IMPROVEMENTS
WALTHAM, MA

BID DOCUMENTS

Contract Number: P25-3586-C11A

Hatch Project Number:

Date: JUNE 30, 2025 H-371610

Drawn By: GD

Designed By: GD

Reviewed By: JB

Scale: 1" = 20'-0"

Revisions

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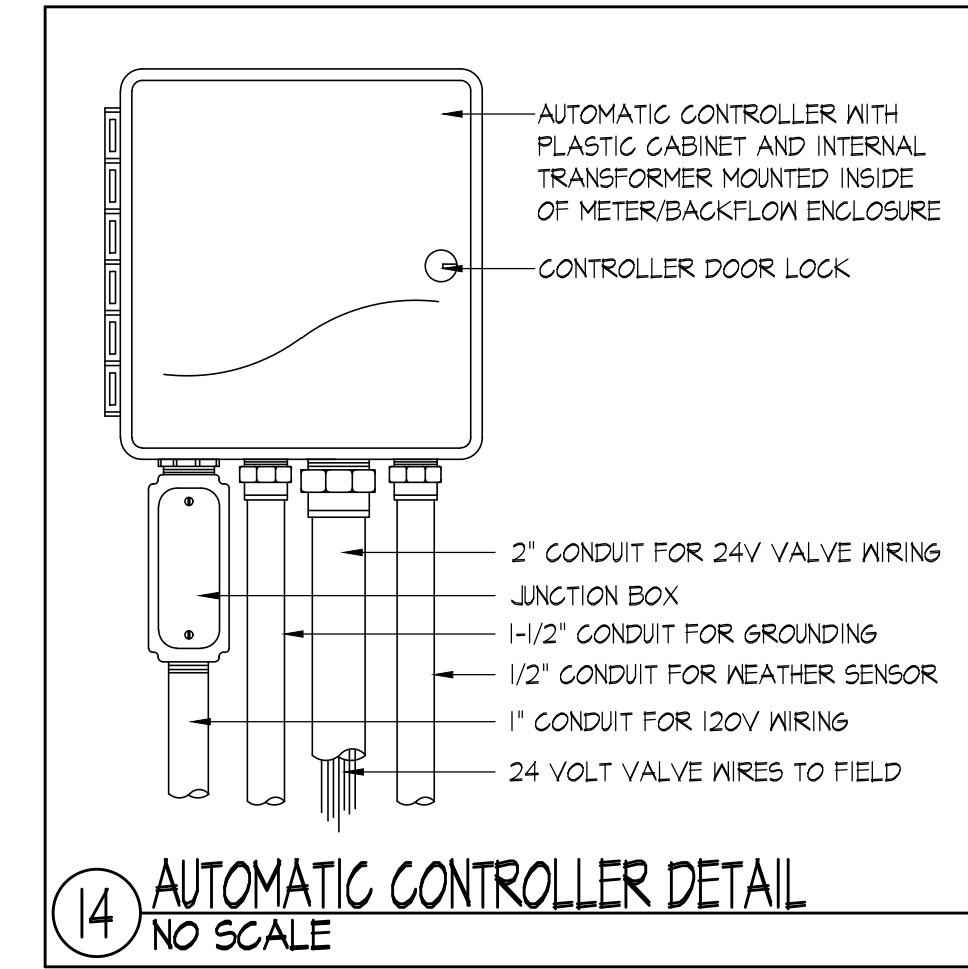
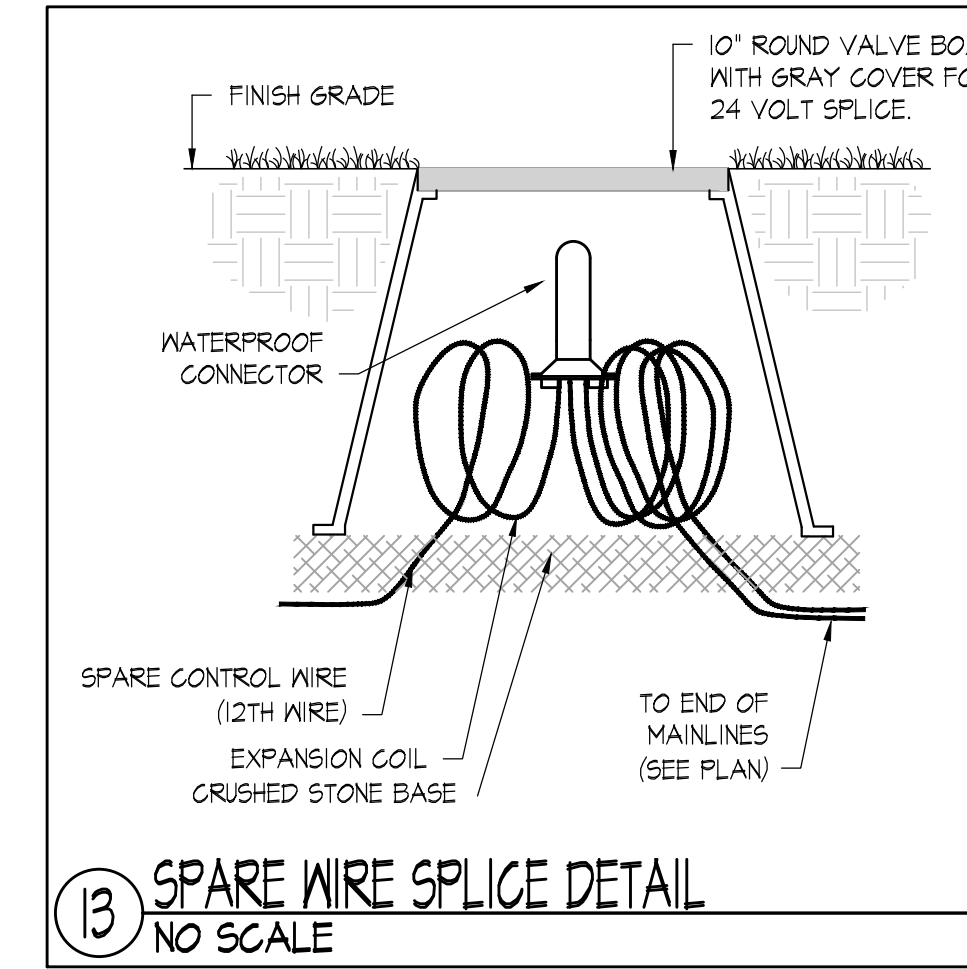
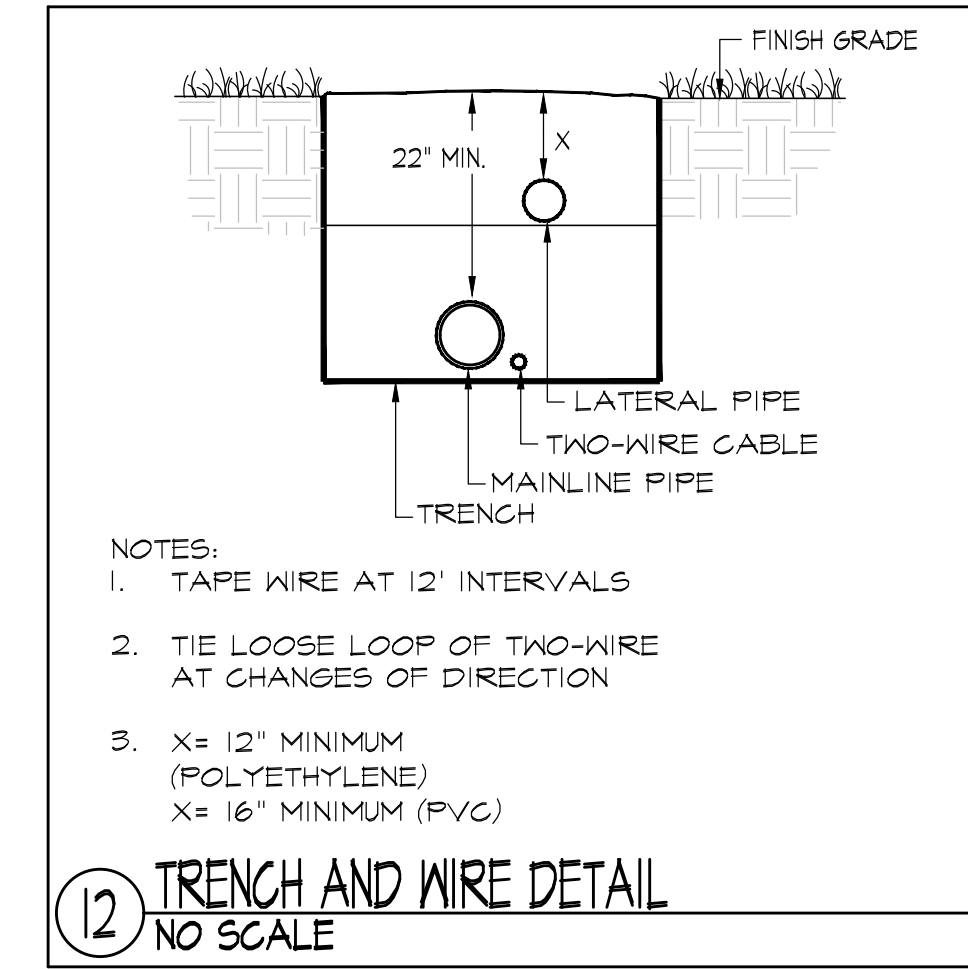
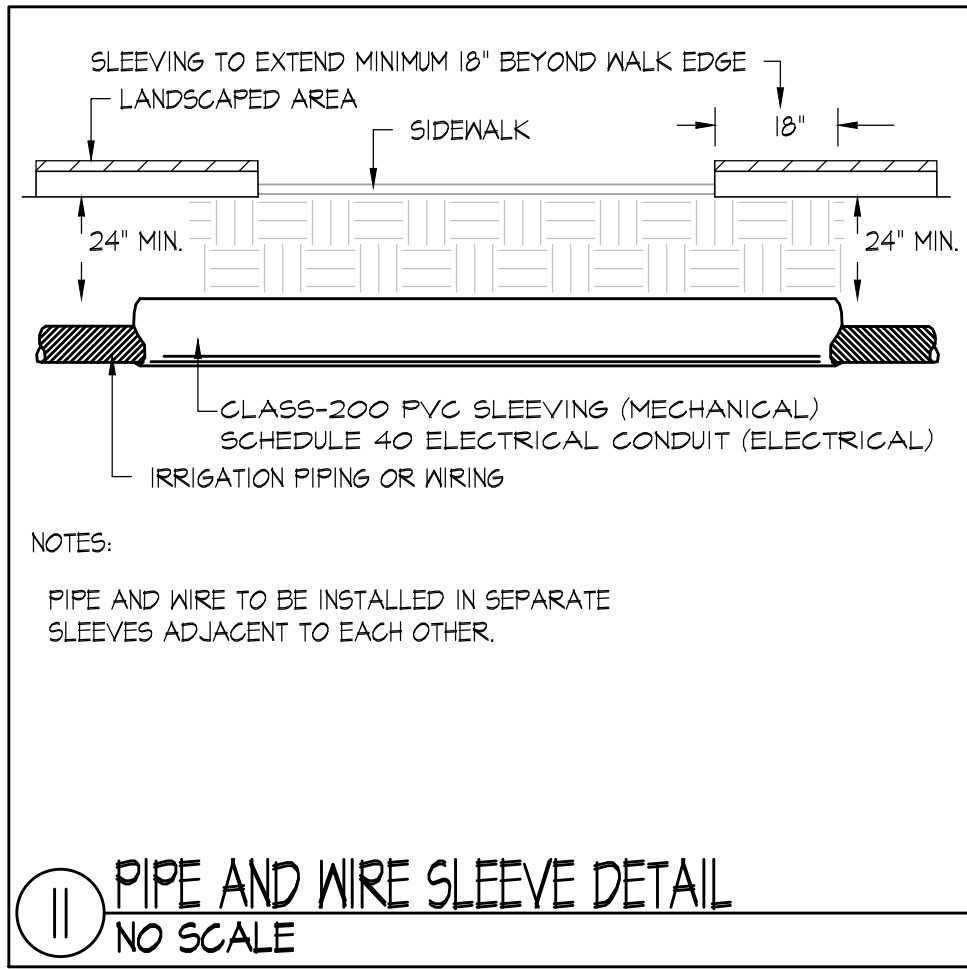
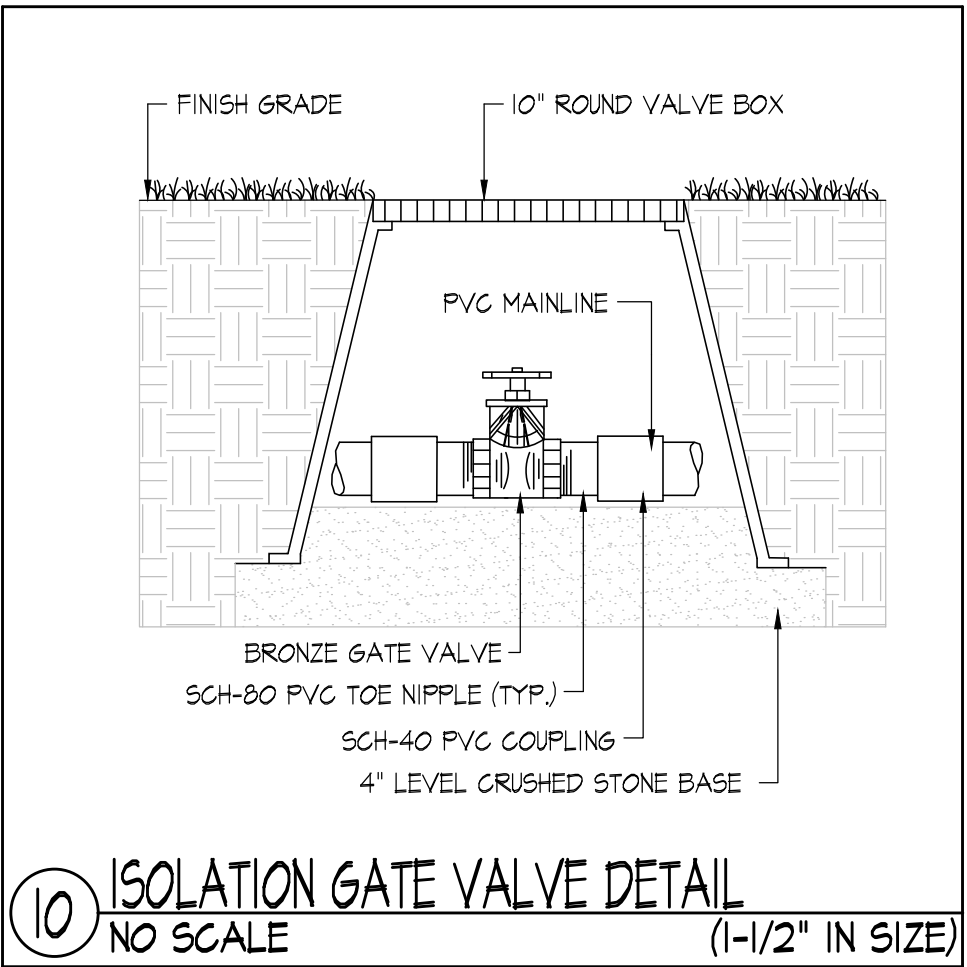
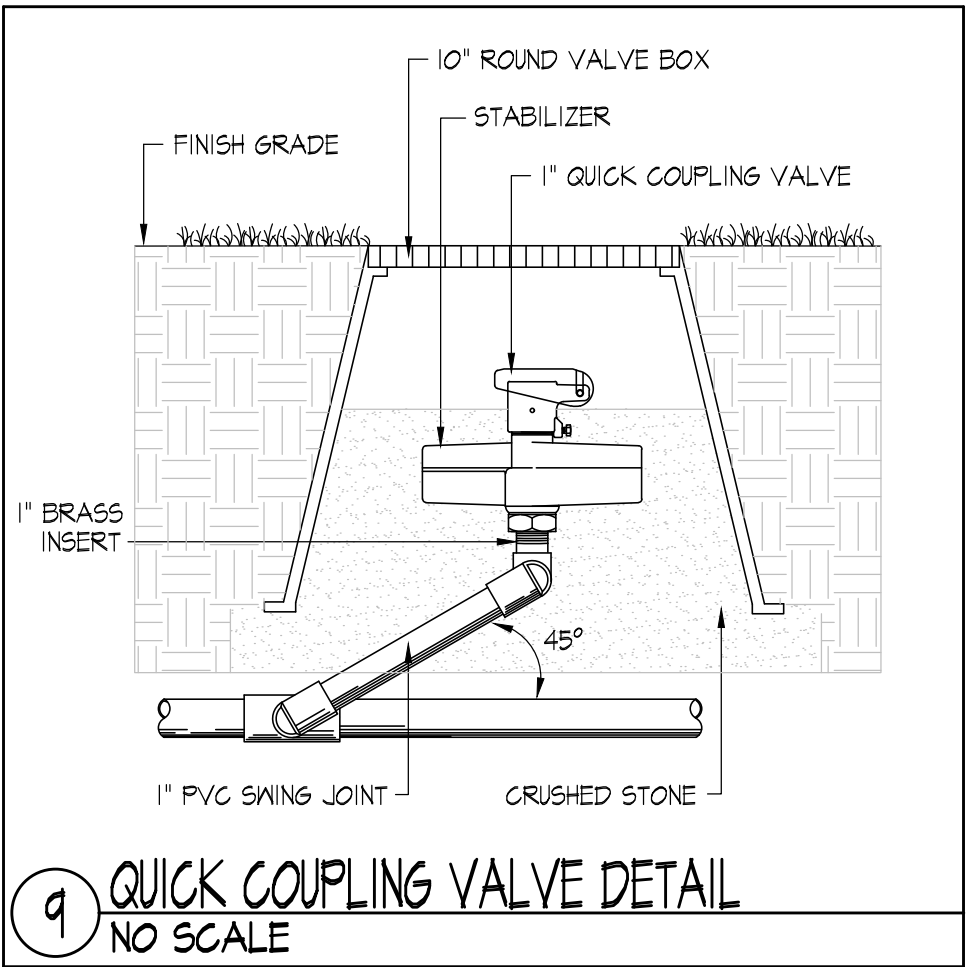
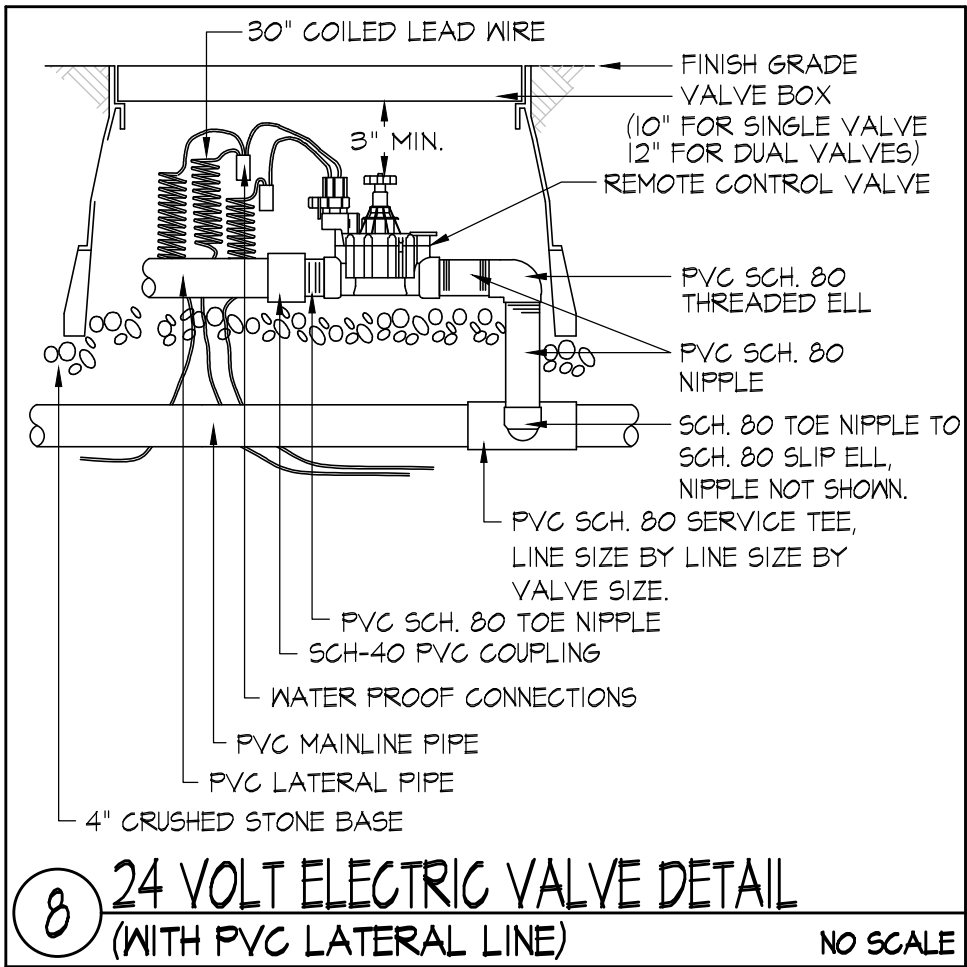
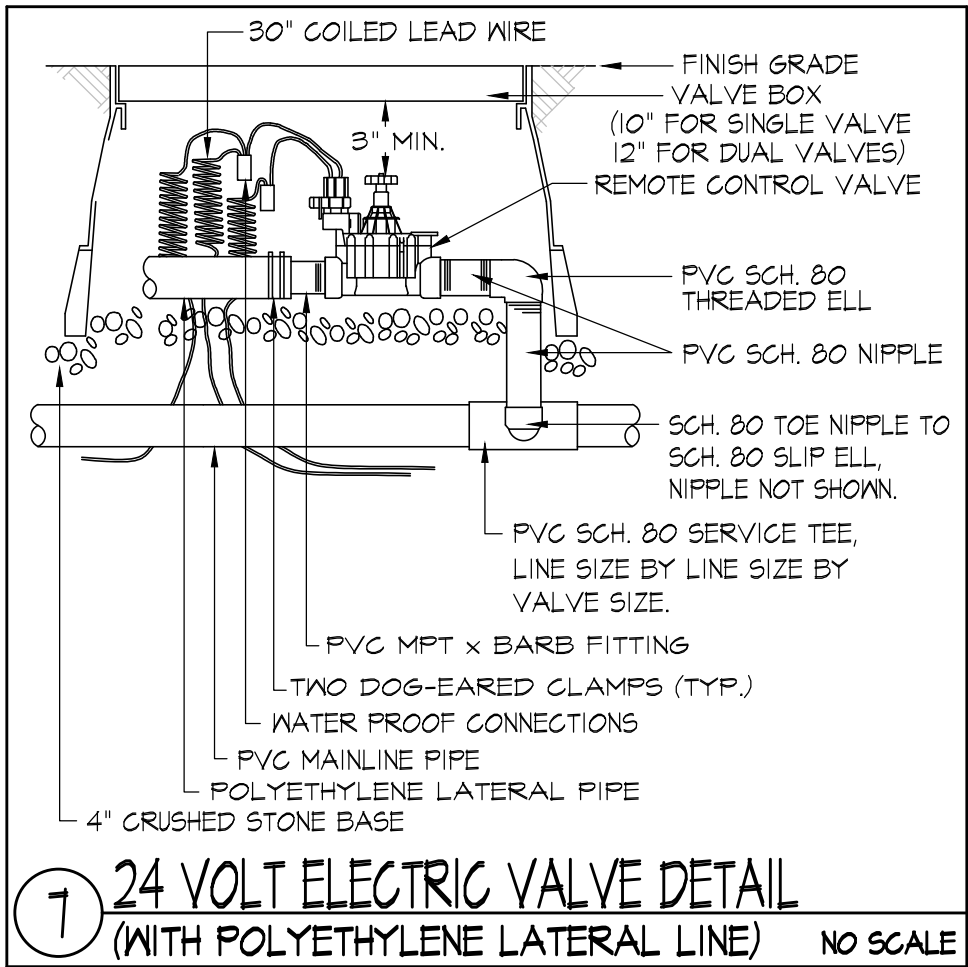
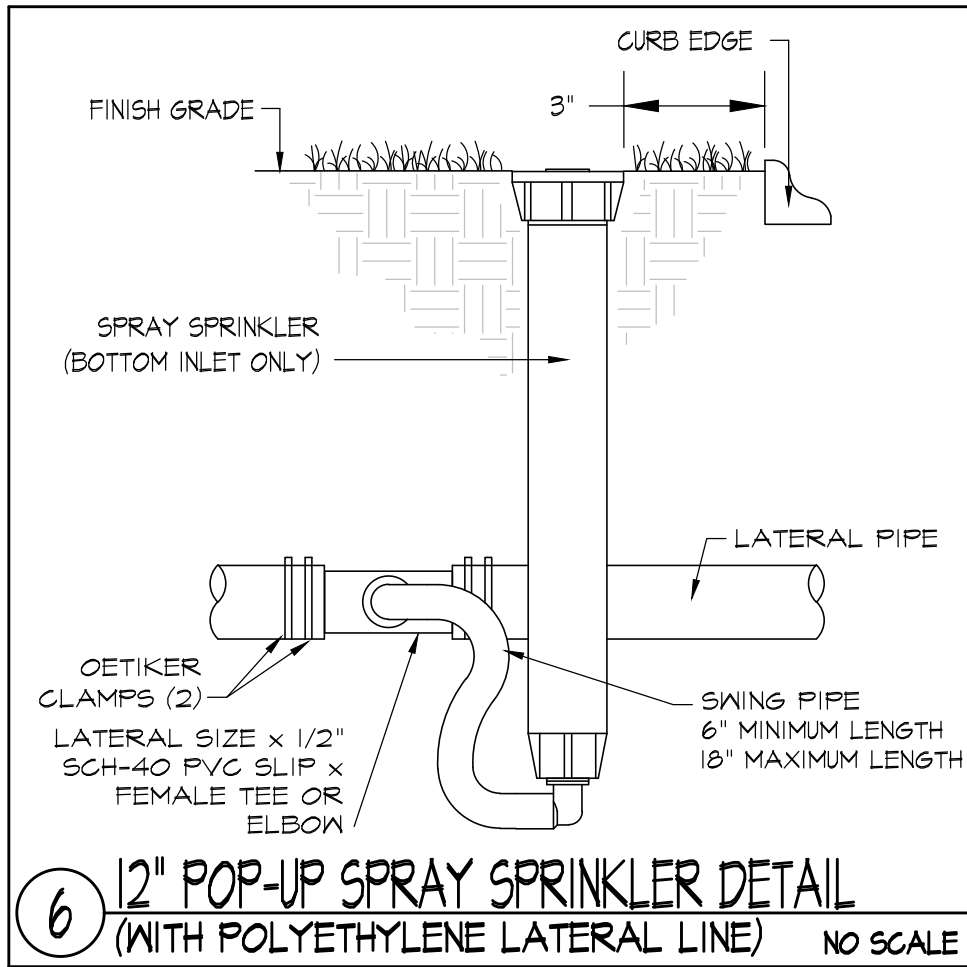
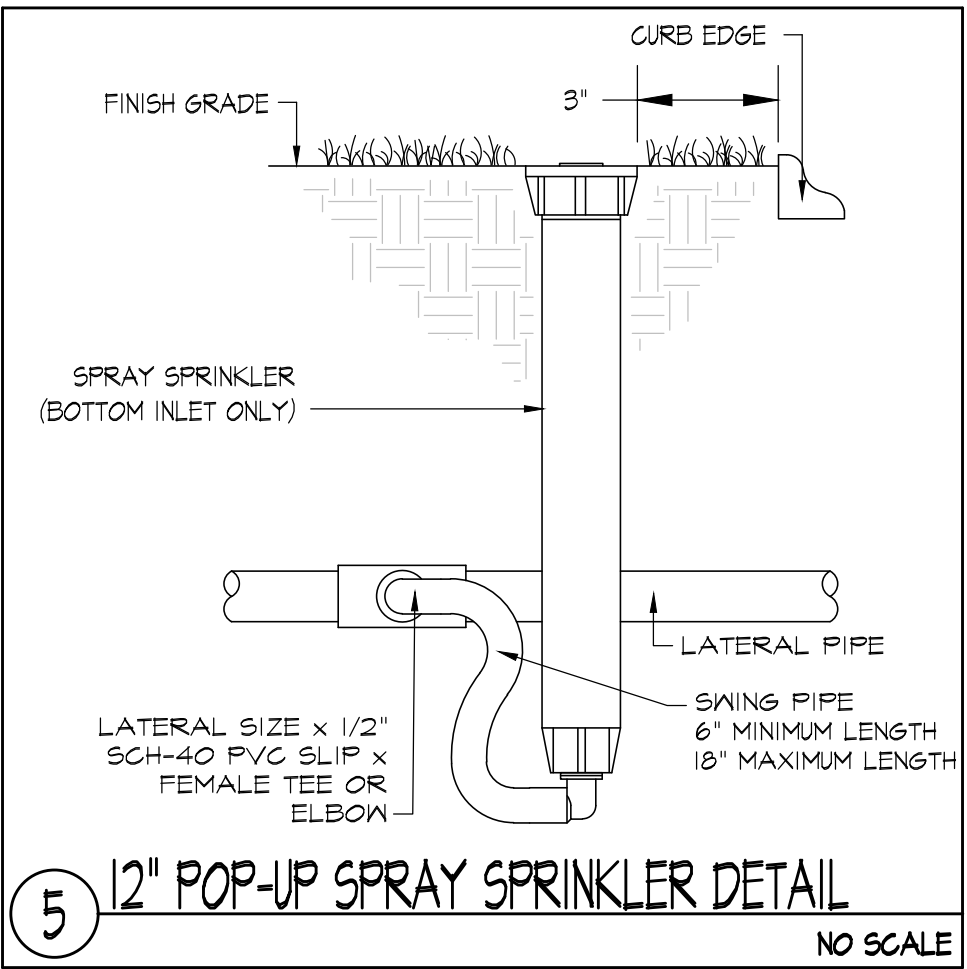
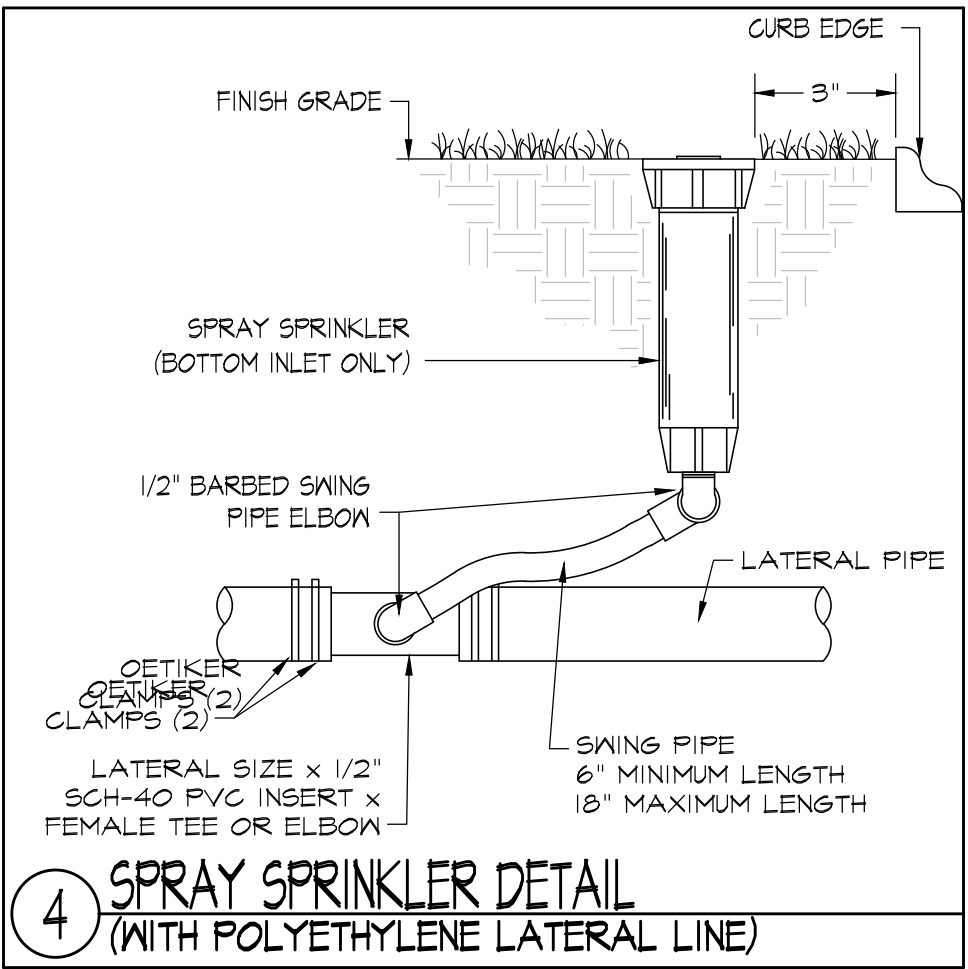
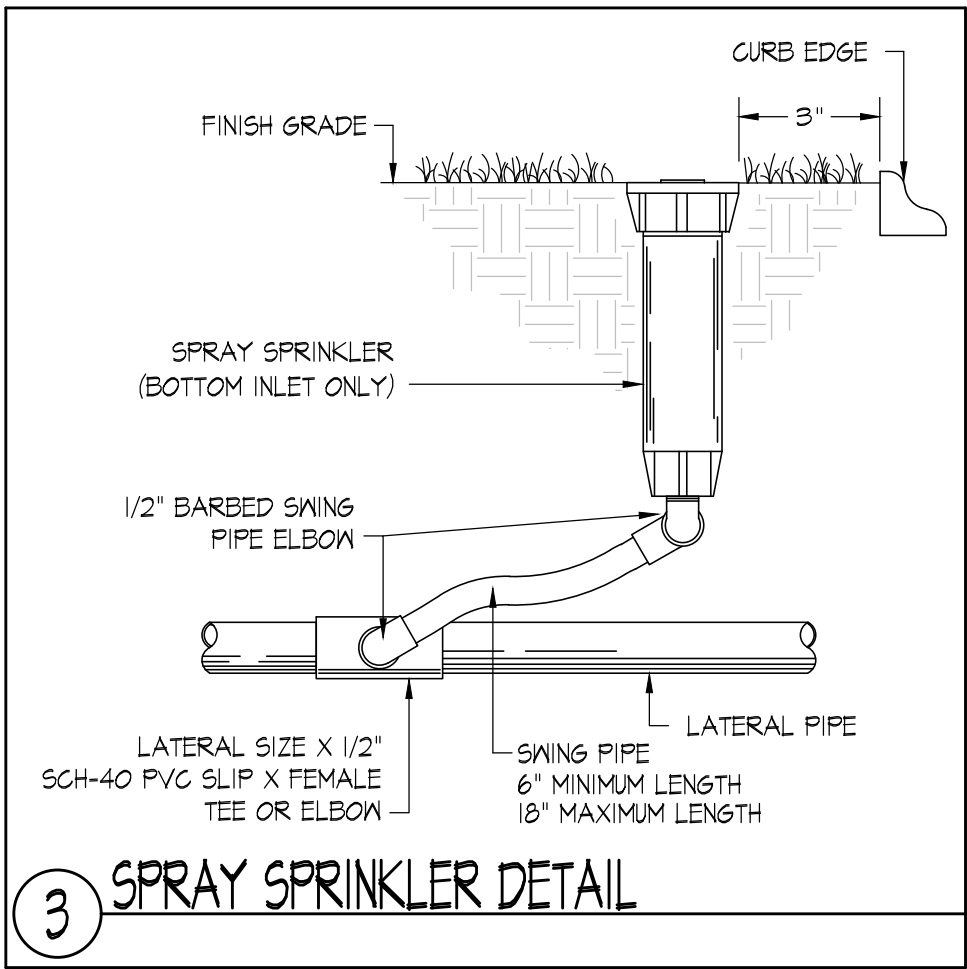
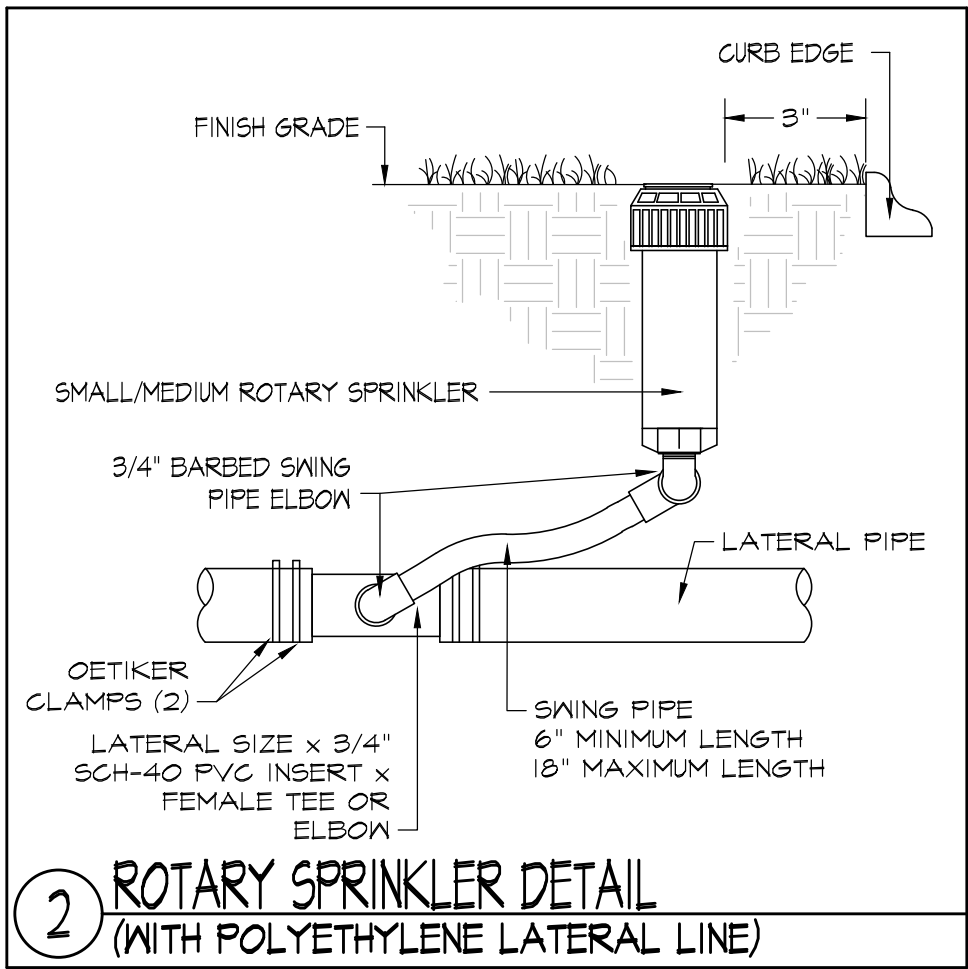
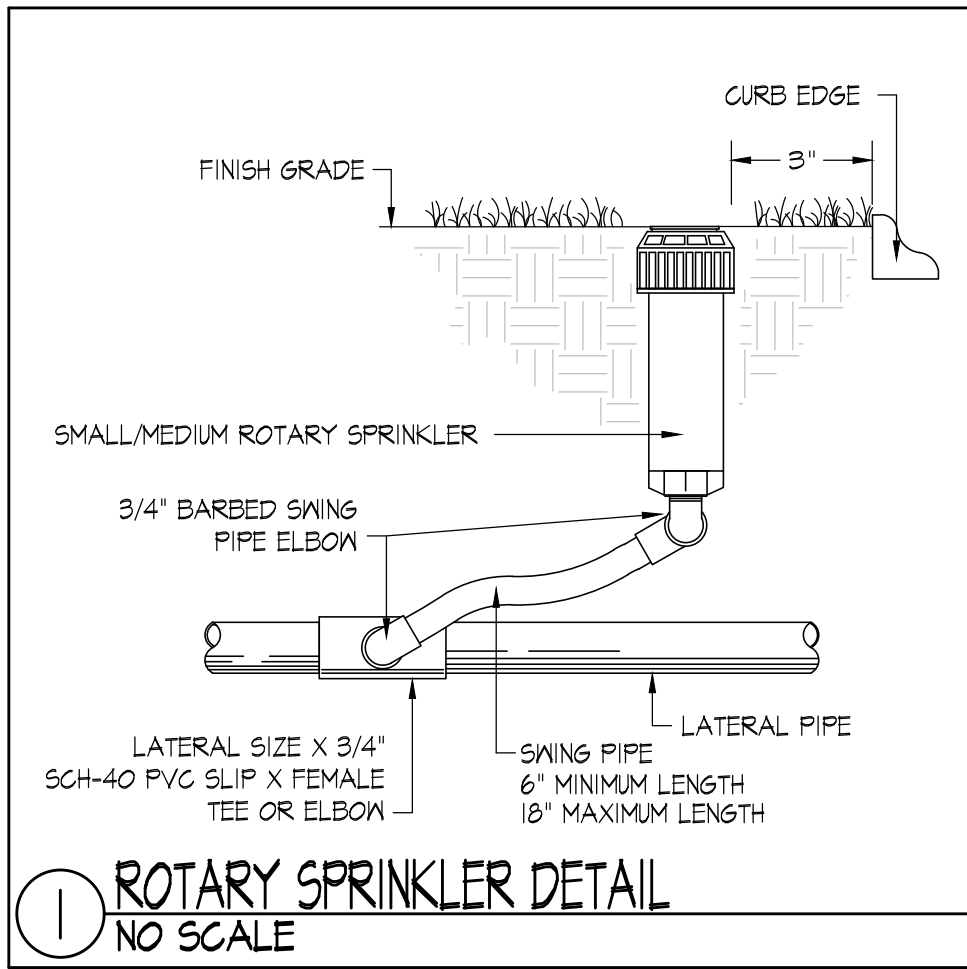
IRRIGATION PLAN

Sheet No:

1-1

Acc No: 104908x

Sheet 16 of 21



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LANDRY PARK
SITE IMPROVEMENTS
WALTHAM, MA

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Revisions		
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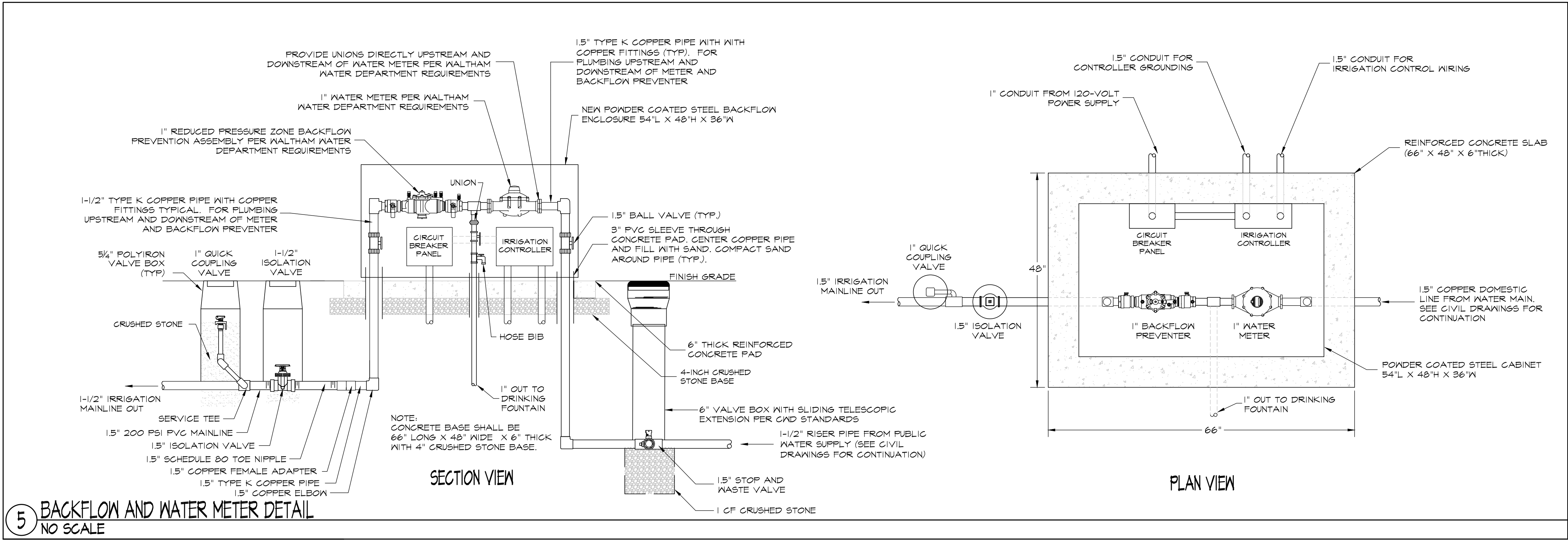
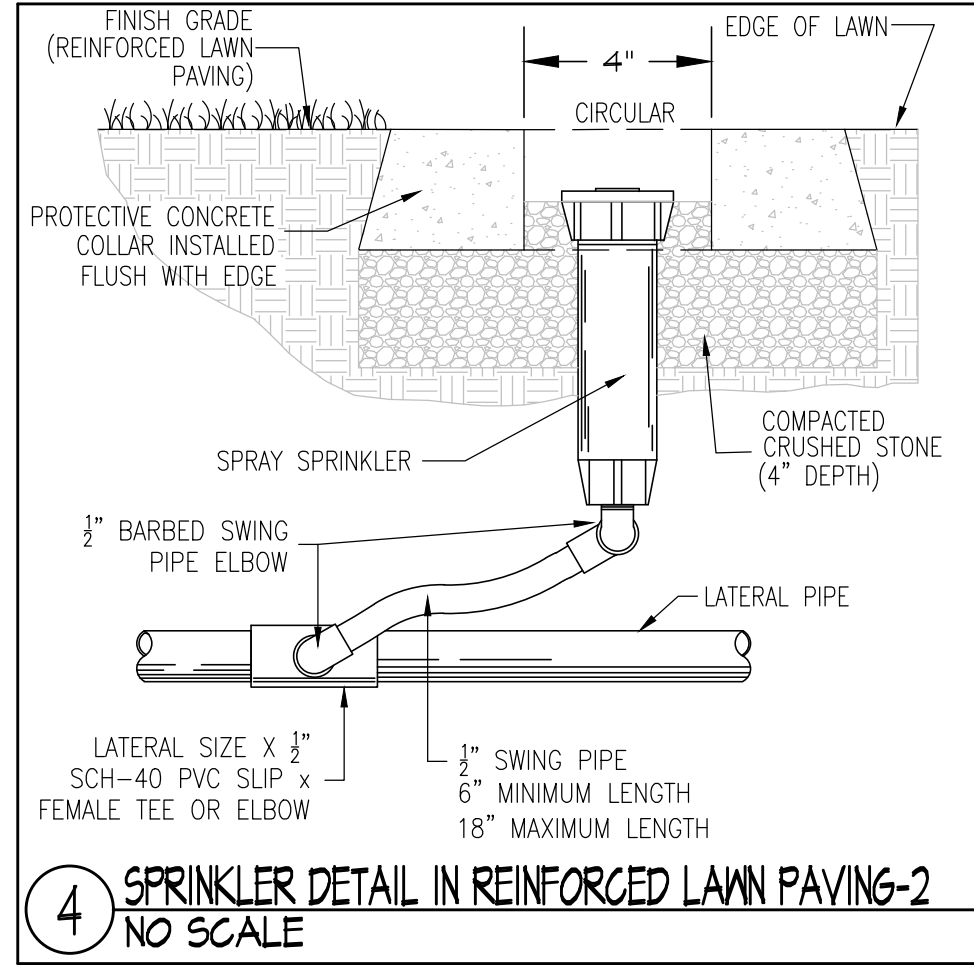
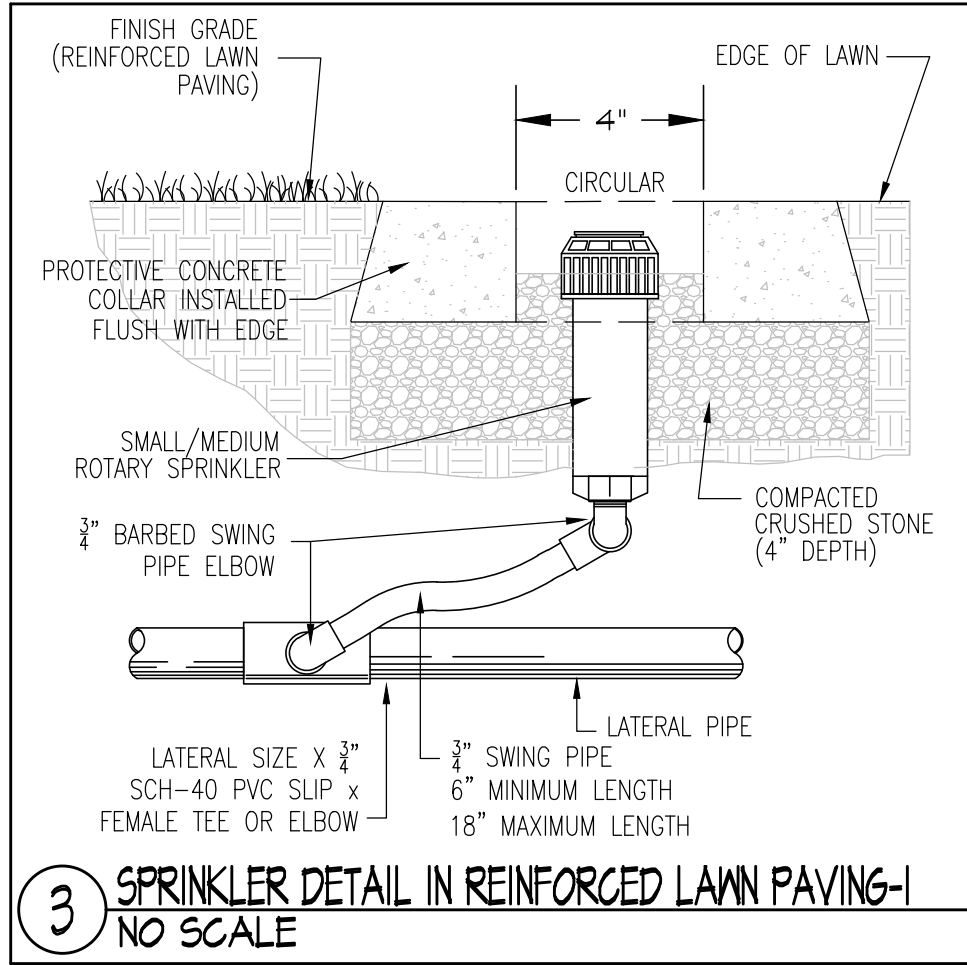
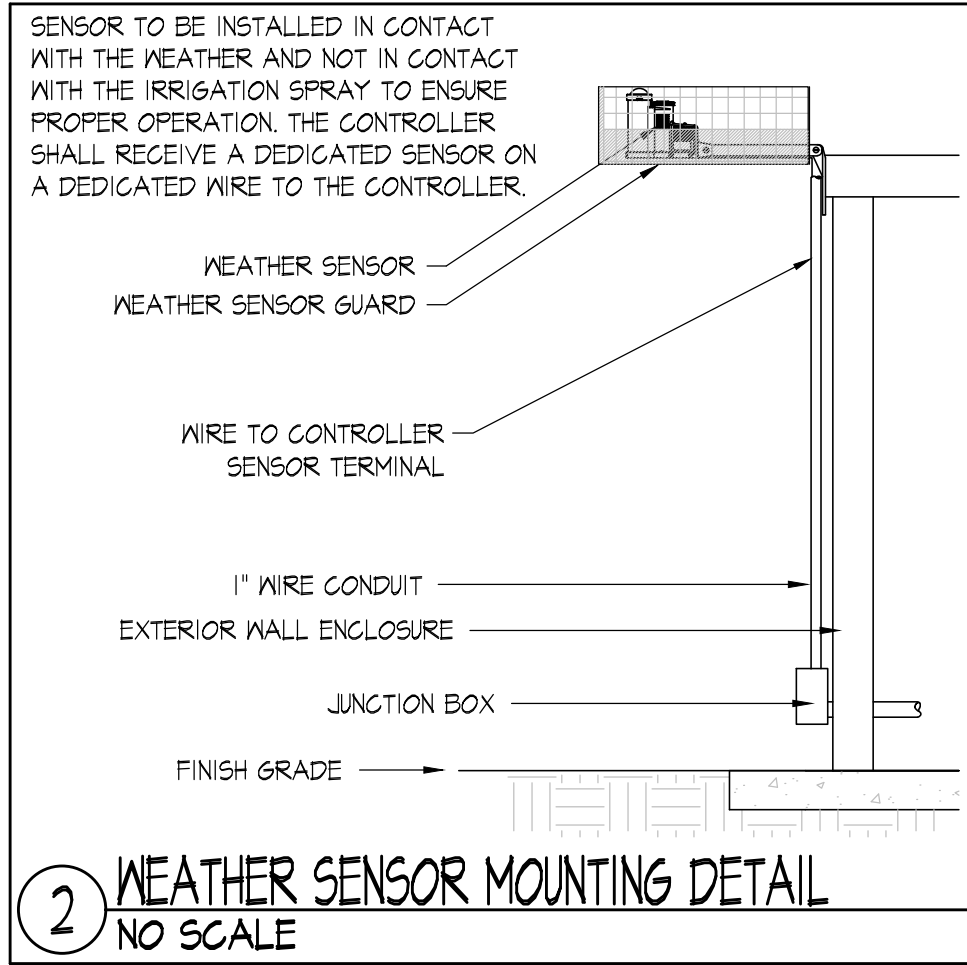
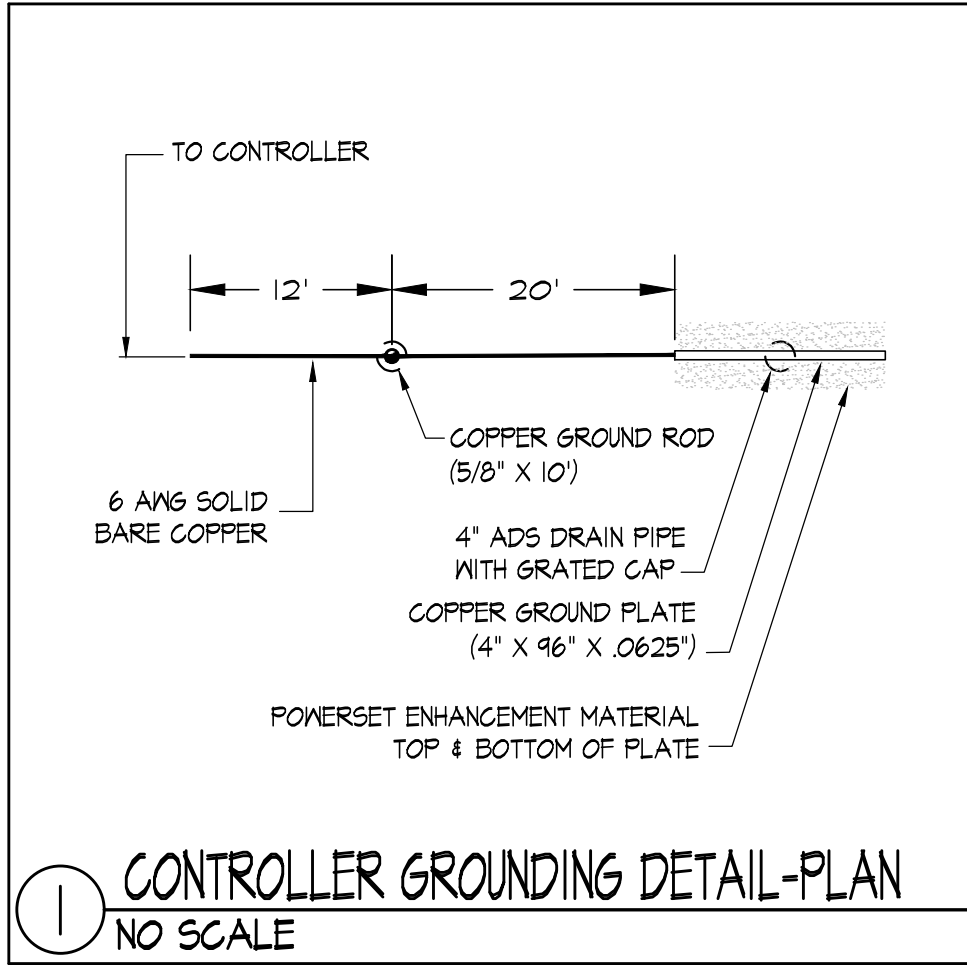
IRRIGATION DETAILS

Sheet No:

1-2

Acc No:104909x

Sheet 17 of 21



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IRRIGATION DETAILS

Sheet No:

I-3

Acc No:104910x

Sheet 18 of 21

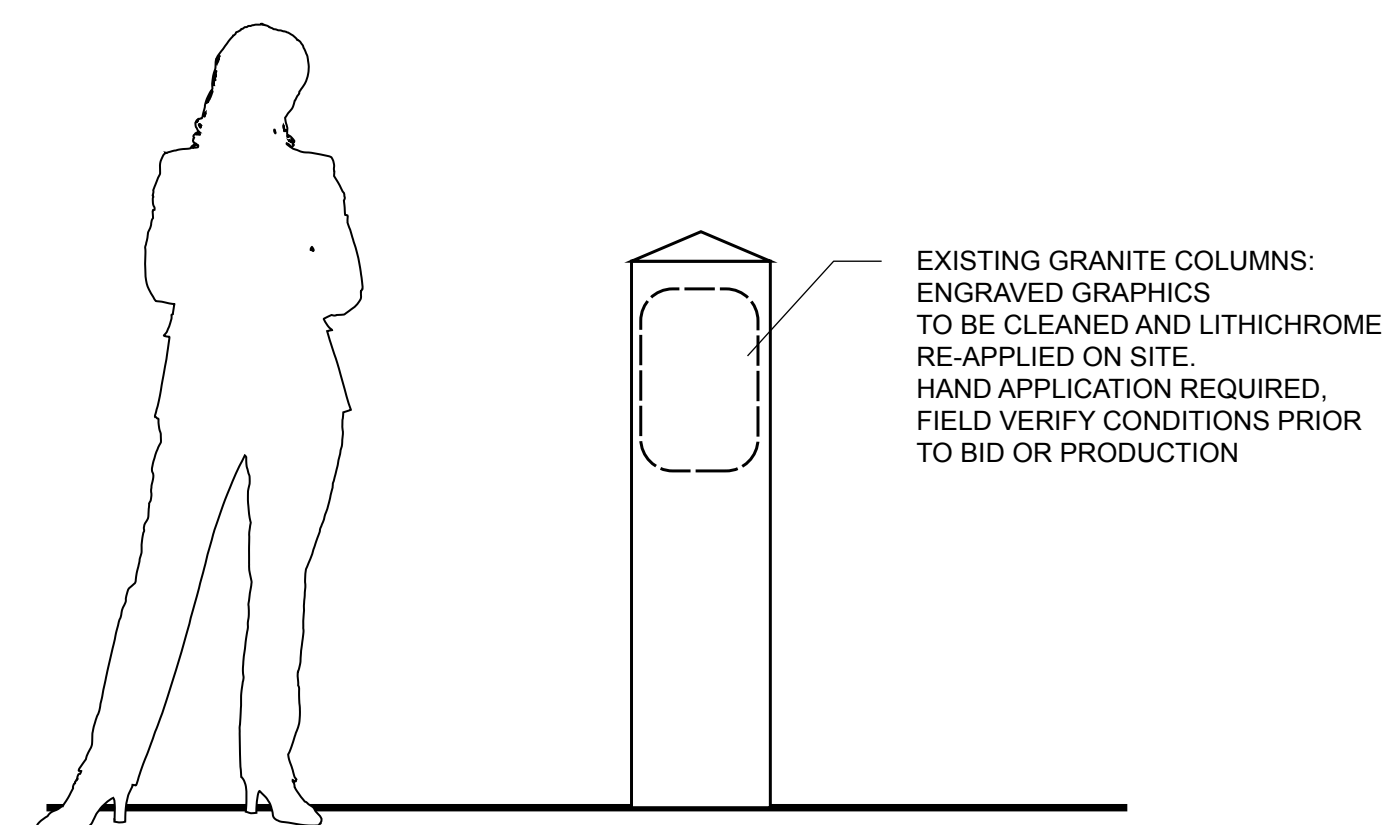
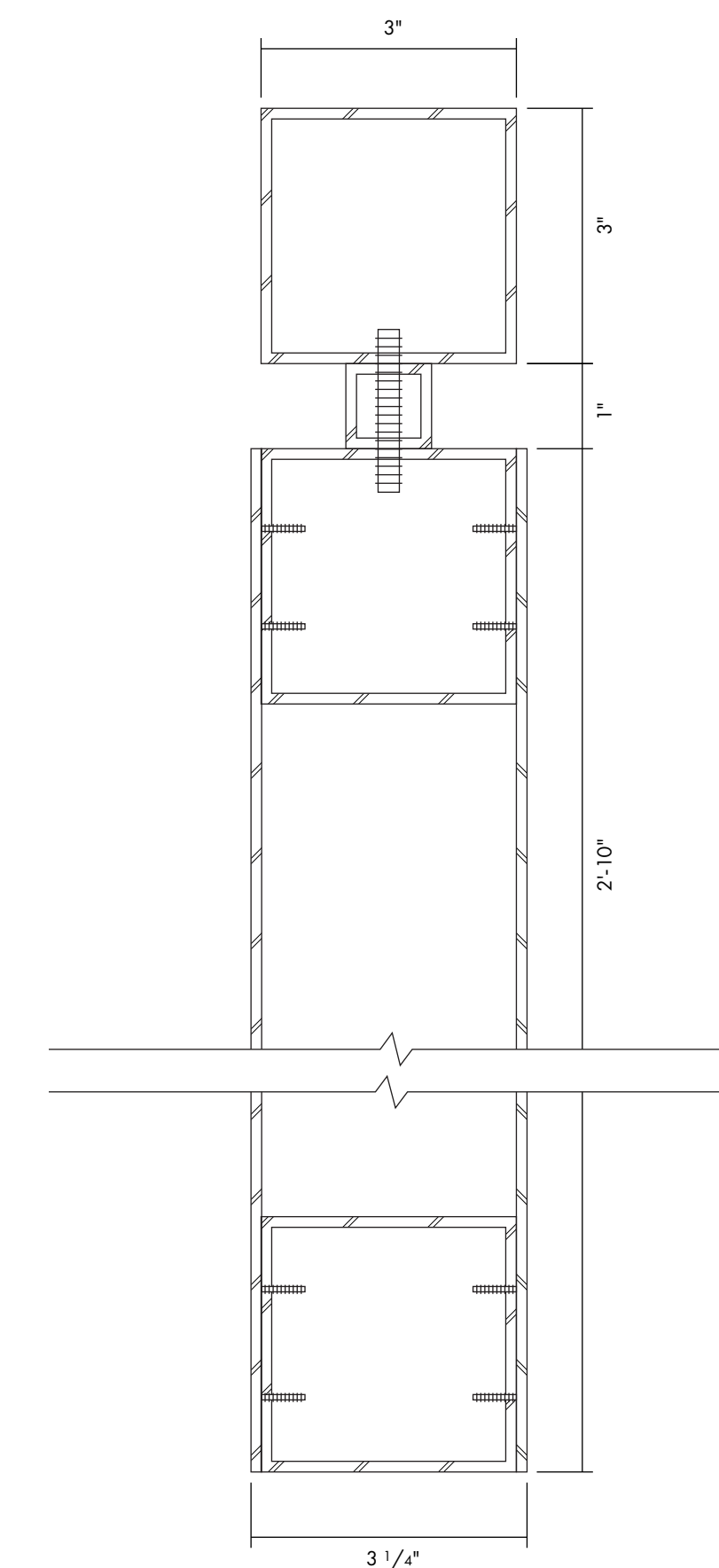
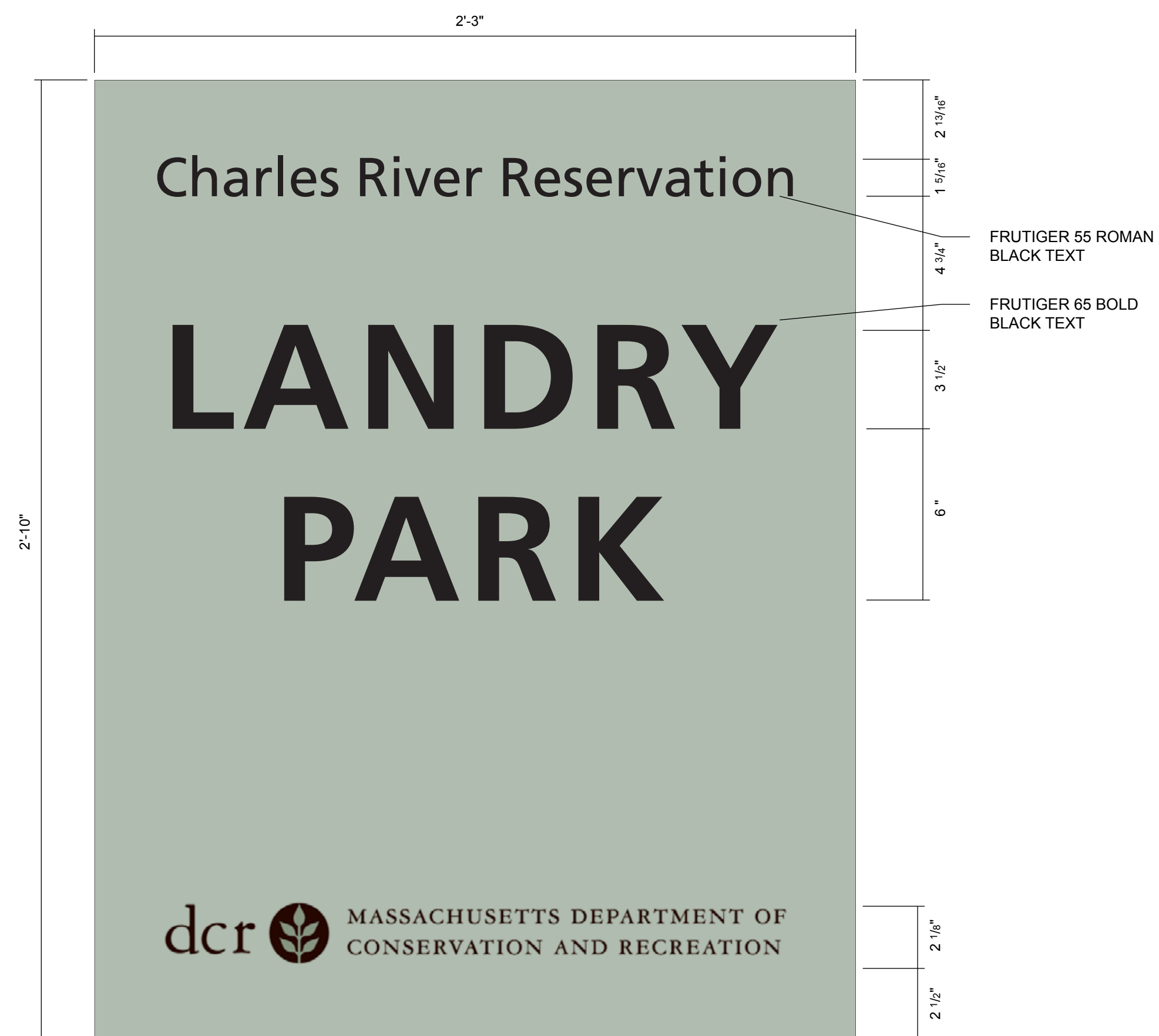
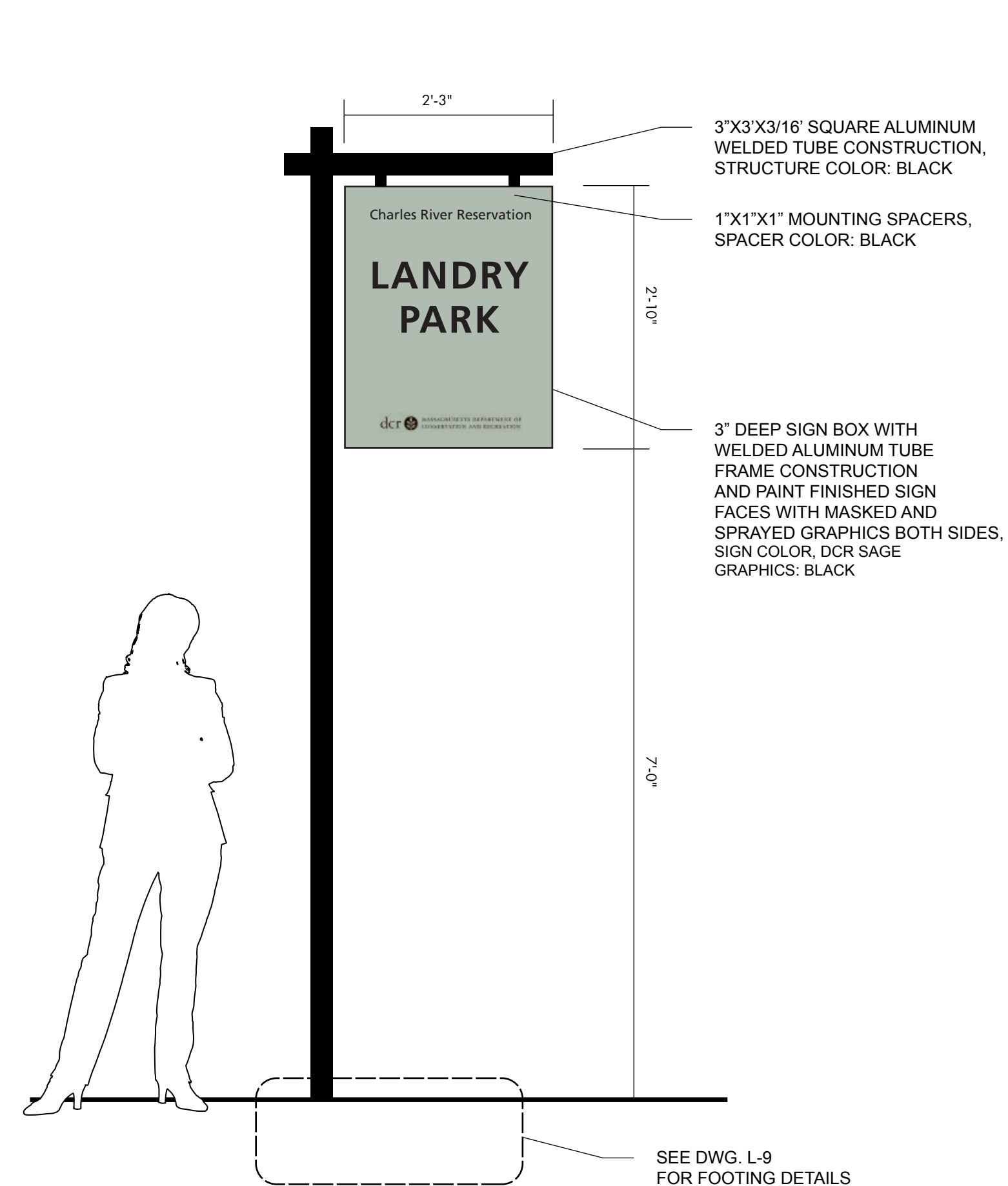


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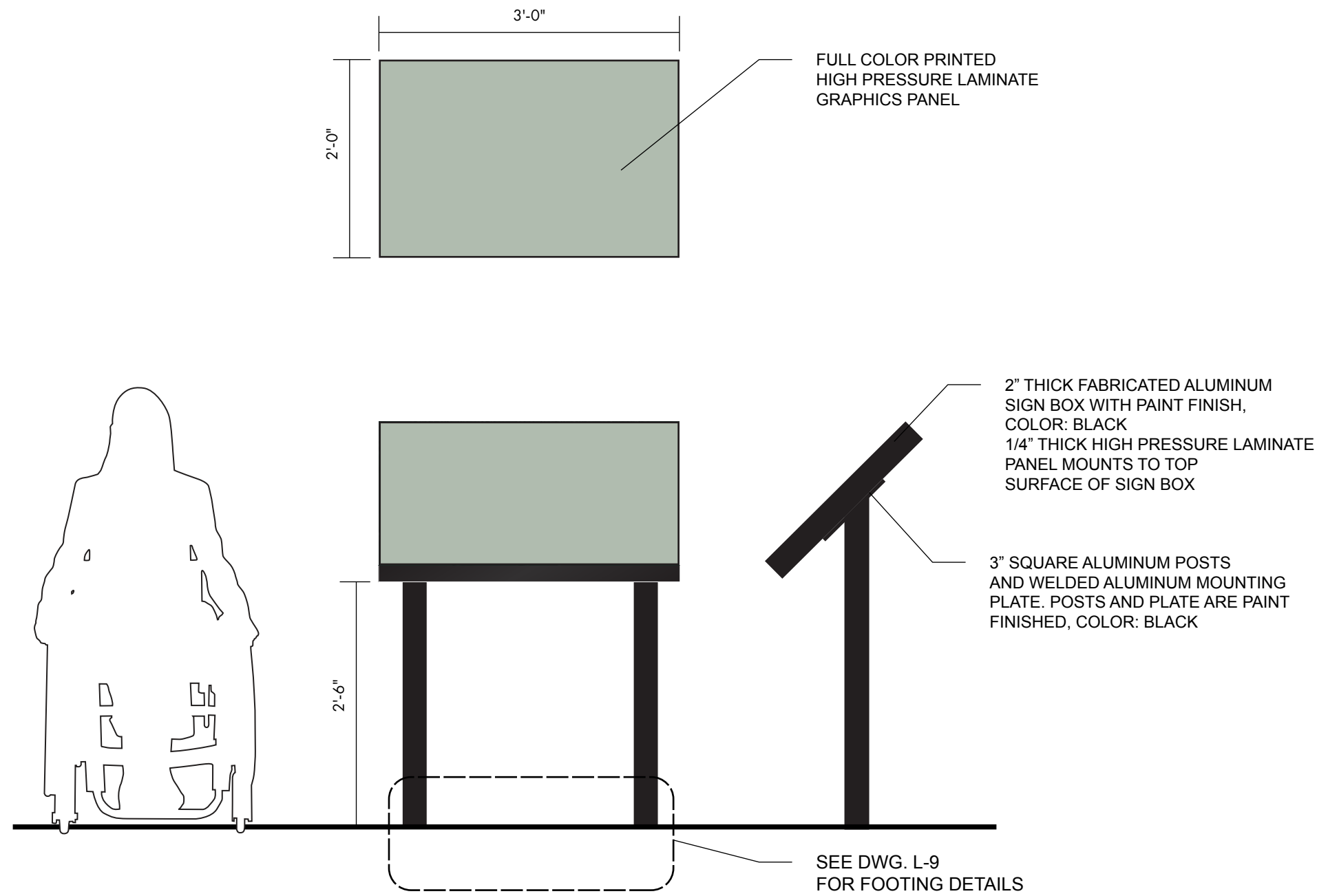
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Sheet Title:

SIGNAGE AND GRAPHICS DETAILS

Sheet No:

SG-1



4 SIGN TYPE D: INTERPRETATION SIGN
SCALE: 3/4" = 1'-0"

LOCATION 05

CHARLES RIVER ECOLOGY AND WILDLIFE

Charles River Ecology
Fish of the Charles River & Fish Ladder
Birds of the Charles River

LOCATION 10

NATIVE AMERICAN LAND USE (TBD)

Native American Tribes
Indian Paths (Connecticut Path)
The link between the land and the people
Land is a source of sustenance, spirituality, and heritage
Land belongs to the community, not to individuals

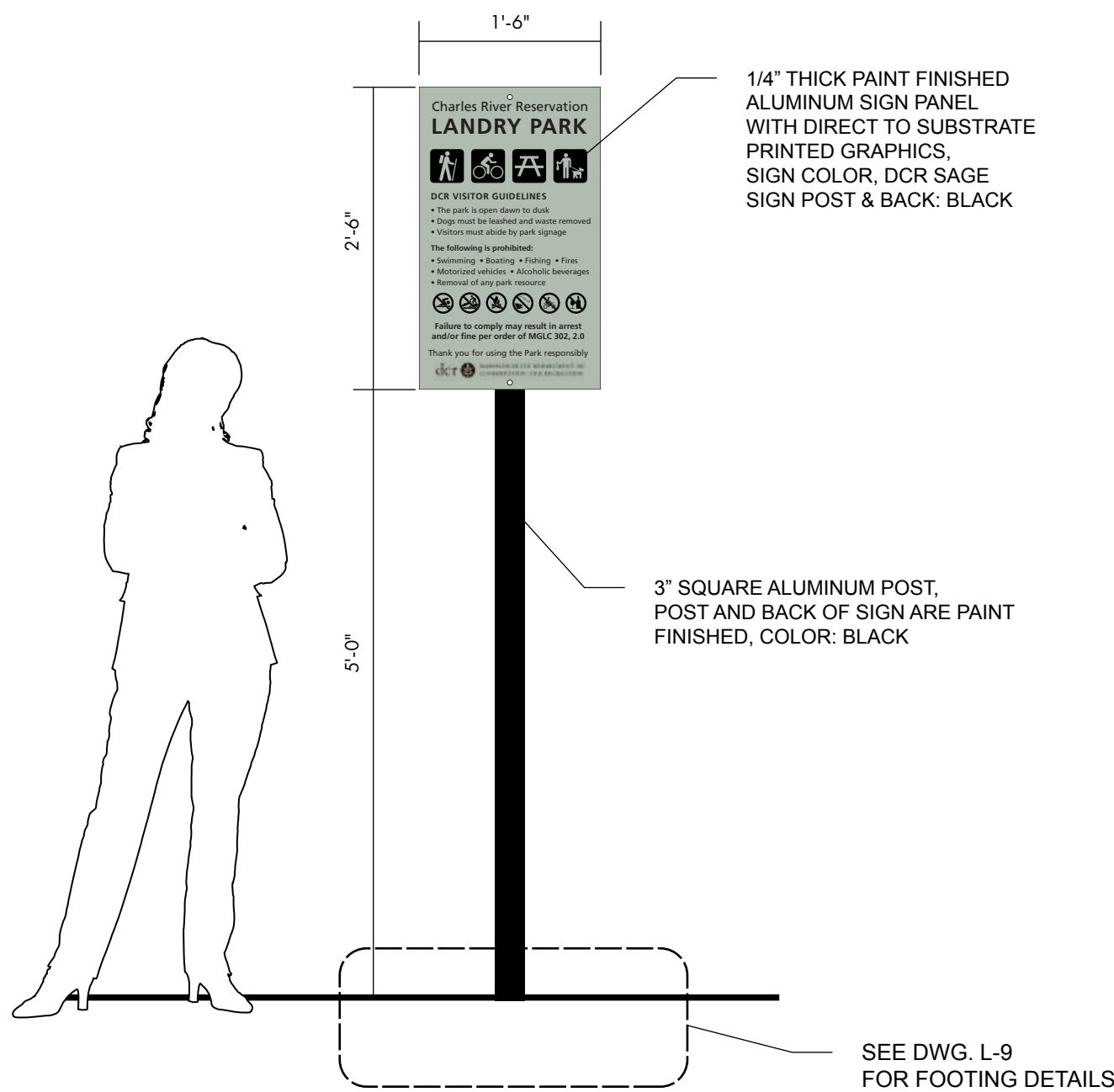
LOCATION 09

BOSTON MANUFACTURING COMPANY

Boston Manufacturing Company 1813 – 1929
Boston Manufacturing Company Expansion 1847-1900
Company Closure and Park Development 1929-1978

ALL INTERPRETIVE GRAPHIC PANEL
LAYOUTS TO BE PROVIDED

5 SIGN TYPE D: LAYOUT DETAILS (LAYOUTS TBD)
SCALE: 1 1/2" = 1'-0"



1 SIGN TYPE C: RULES AND REGULATIONS SIGN
SCALE: 3/4" = 1'-0"



2 SIGN TYPE C: LAYOUT DETAIL
SCALE: 3" = 1'-0"

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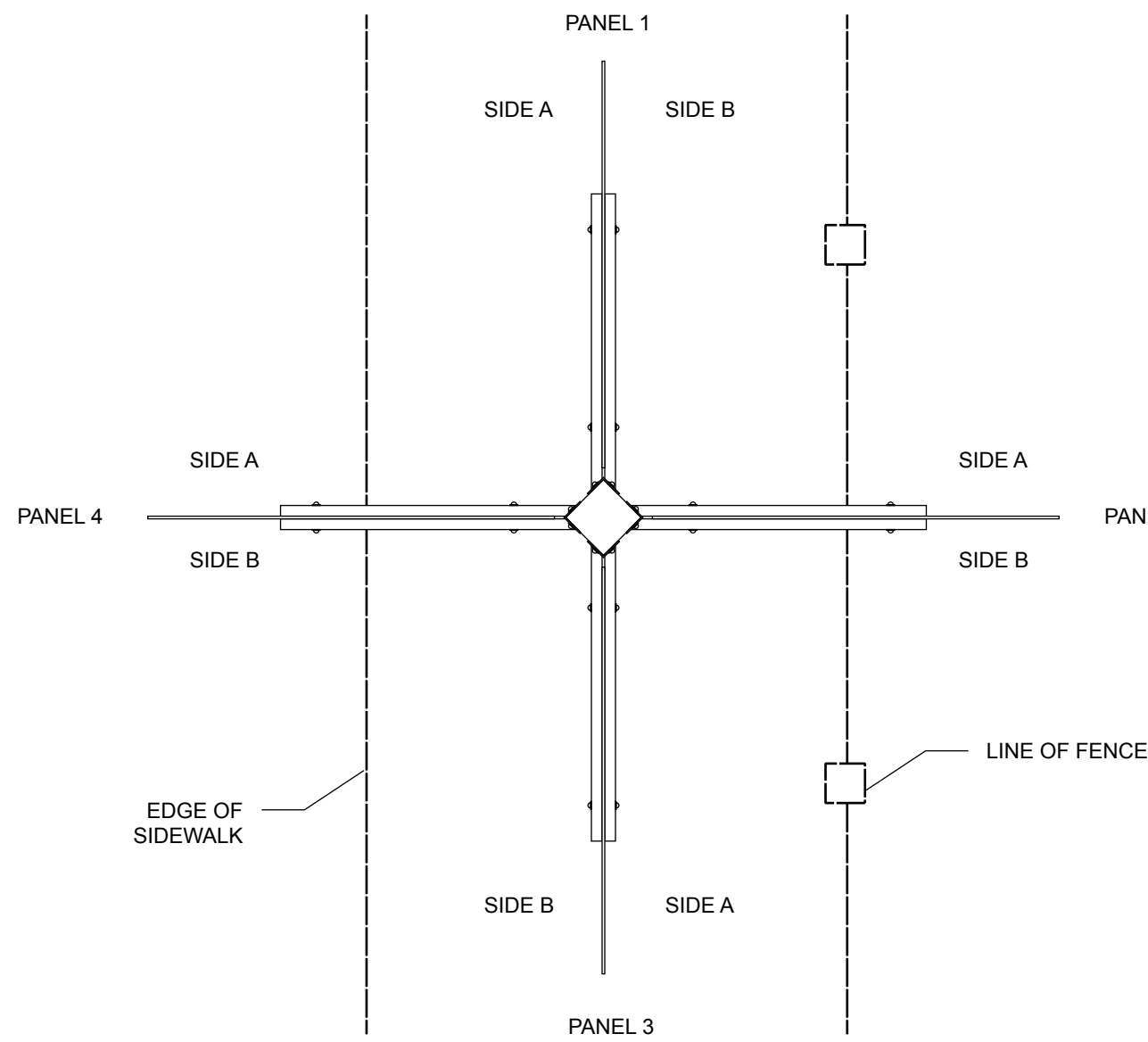
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Number:	Description:

Sheet Title:

**SIGNAGE AND
GRAPHICS DETAILS**

Sheet No:

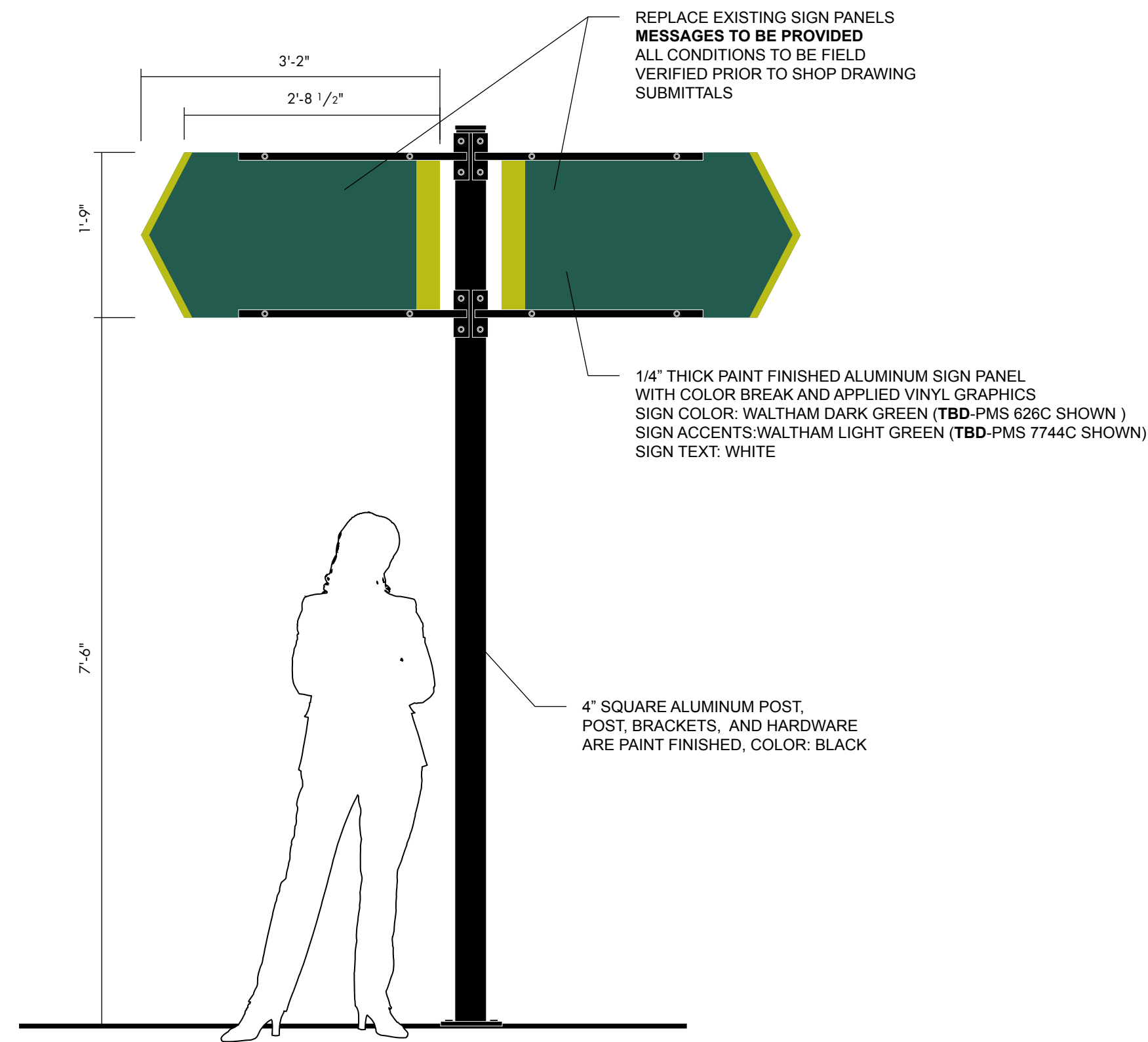
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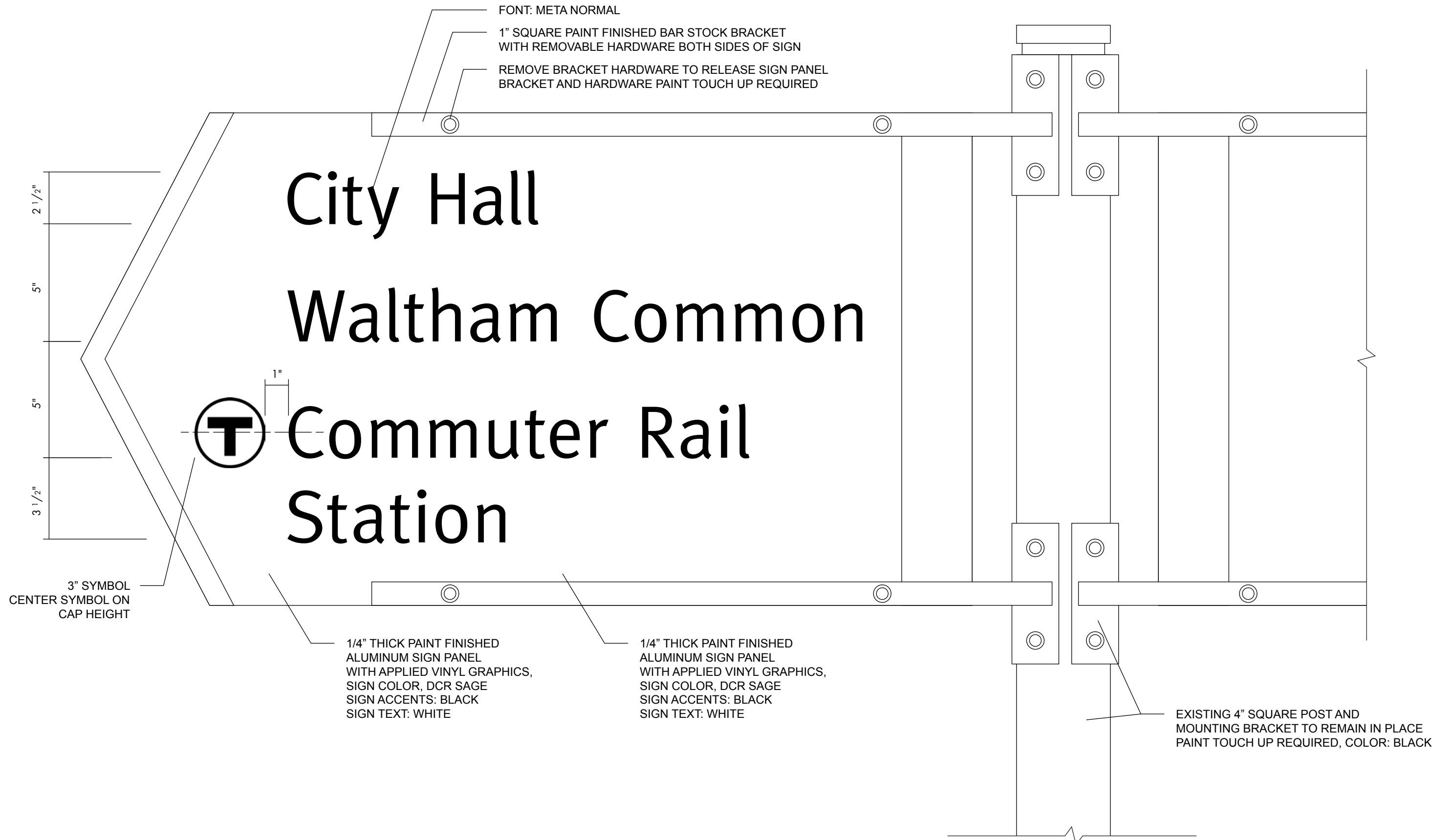
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4 SIGN TYPE E: EXISTING CONDITIONS REFERENCE IMAGES
NOT TO SCALE



1 SIGN TYPE E: EXISTING WAYFINDING TO BE UPDATED
SCALE: 3/4" = 1'-0"



2 SIGN TYPE E: LAYOUT DETAIL
SCALE: 3" = 1'-0"



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Contract Number: P25-3586-C11A
Hatch Project Number: H-371610
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