



City of Burlington, Vermont

Construction Plans for:
**Oakledge Park Universally Accessible Playground:
Phase 2 Improvements**

1 Flynn Avenue
Burlington, VT 05401

ISSUED FOR BID
April 8, 2022

PROJECT TEAM

Plans Prepared For:

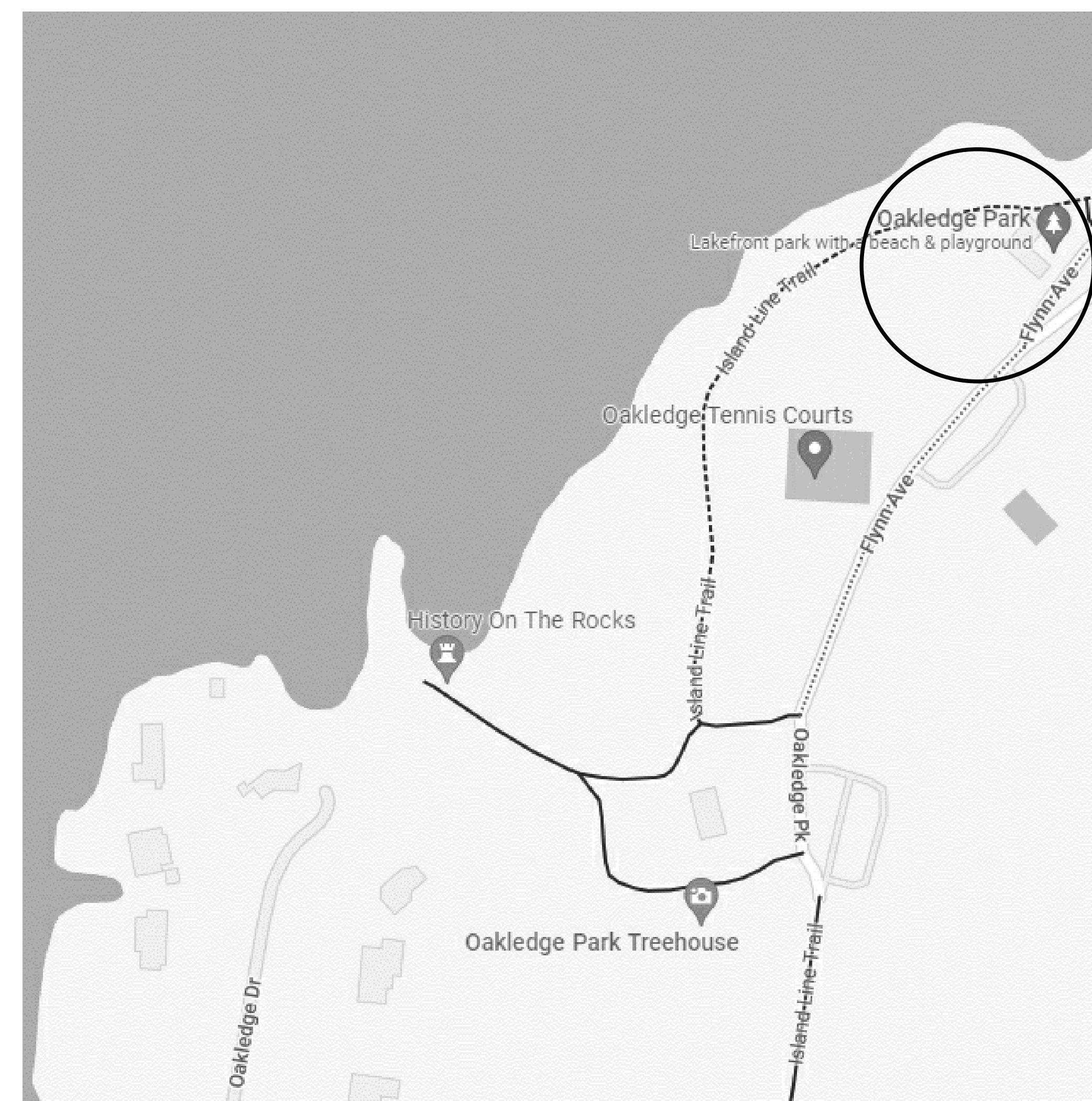
Burlington Parks Recreation & Waterfront
City of Burlington
645 Pine Street, Suite B
Burlington, VT 05401
802-865-7247

Plans Prepared By:

GroundView
5 Crescent Street
Boston, MA 02129
617-548-9688

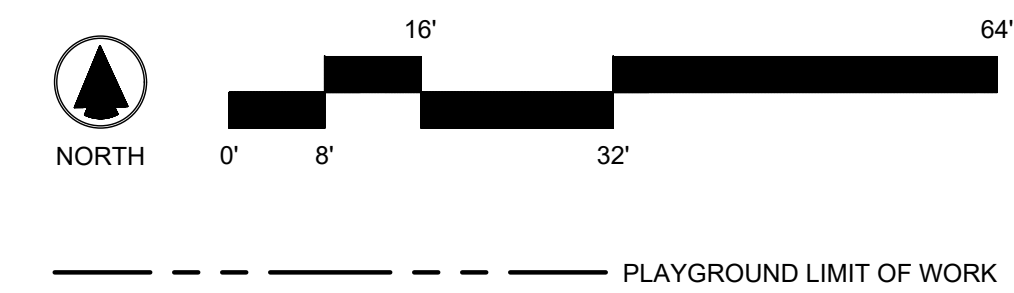
VHB
40 IDX Drive
Building 100, Suite 200
South Burlington, VT 05403

LOCATION MAP



DRAWING LIST

COVER SHEET
L 0-1 ILLUSTRATIVE PLAN
L 0-2 EXISTING CONDITIONS PLAN
L 0-3 SITE PREPARATION PLAN
L 1-1 MATERIALS PLAN
L 2-1 LAYOUT PLAN
L 3-1 GRADING & DRAINAGE PLAN
L 4-1 PLANTING PLAN
L 5-1 DETAILS
L 5-2 DETAILS
L 5-3 DETAILS
L 5-4 DETAILS
L 5-5 DETAILS
L 5-6 PLAY SURFACE LAYOUT
C1.02 STORMWATER LAYOUT
C1.03 DRAINAGE PROFILE
C1.04 STORMWATER DETAILS
E 1-0 LIGHTING PLAN
E 1-1 LIGHTING DETAILS



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617-548-9688

SUBMISSION		
NO.	DATE	DESCRIPTION
1	04-08-2022	BID DRAWINGS

ILLUSTRATIVE
PLAN

L 0-1



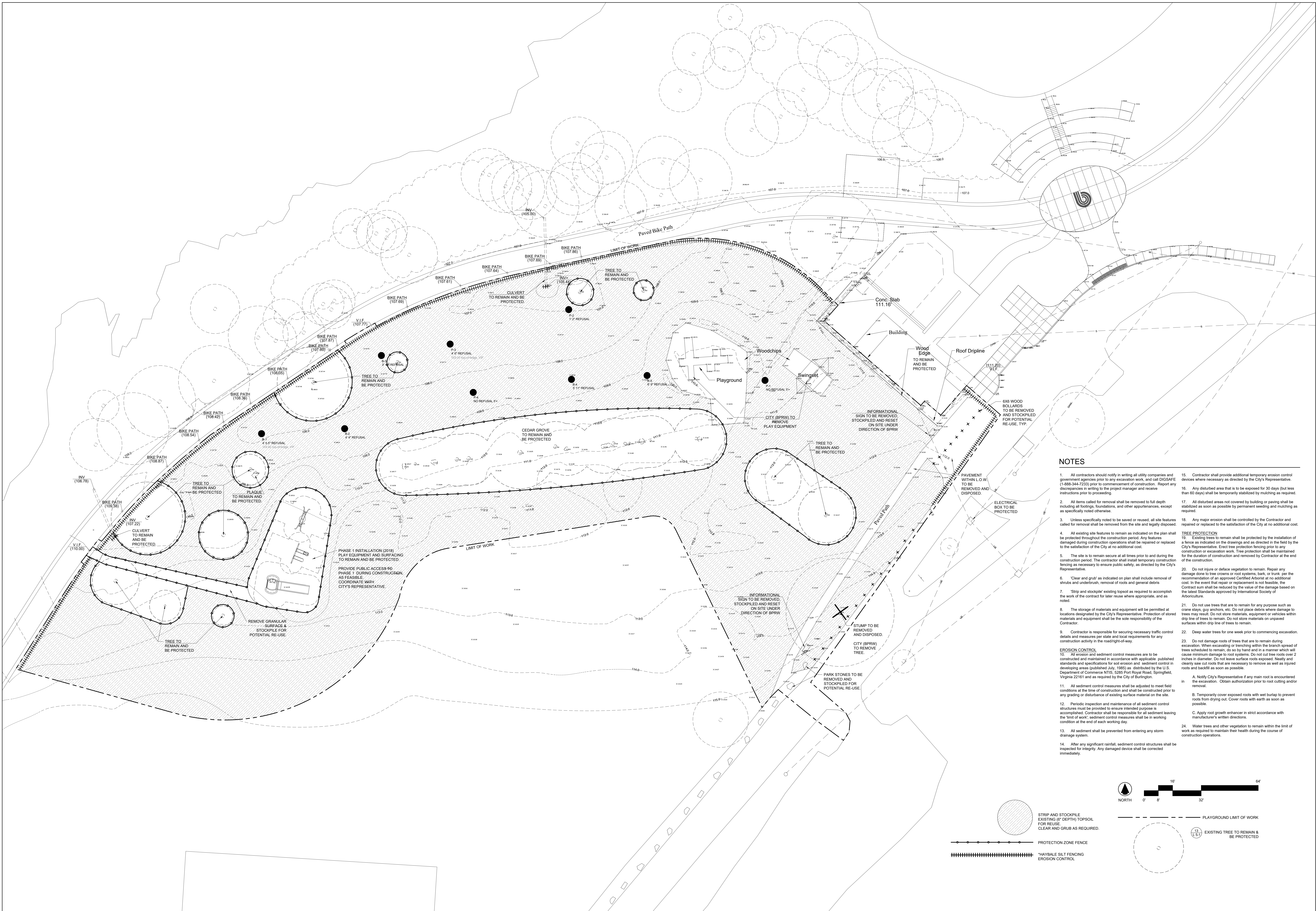
NOTES

1. EXISTING CONDITIONS SURVEY BY:
LATTITUDES LAND SURVEYING
41 MURRY STREET
BURLINGTON, VT
FEBRUARY 10, 2016
2. EXISTING UTILITIES NOTED FROM:
OAKLEDGE PARK STORMWATER MASTER PLANNING PROJECT
EXISTING CONDITIONS PLAN - JUNE 26, 2015
3. AS-BUILT OF FALL 2016 POP-UP INSTALLATION.
BASED ON DATA PROVIDED BY:
GROUNDVIEW & BPRW - MARCH 2021
4. BORING INFORMATION PROVIDED BY:
MIKE'S BORING & CORING LLC
FOR ADDITIONAL SOILS INFORMATION SEE
REPORT - MAY 2019
5. TREE REMOVALS & BIKE PATH PROJECT.
AS-BUILTS BASED ON DATA PROVIDED BY:
ECI - JANUARY 2022

NORTH

0' 8' 16' 32' 64'

--- PLAYGROUND LIMIT OF WORK

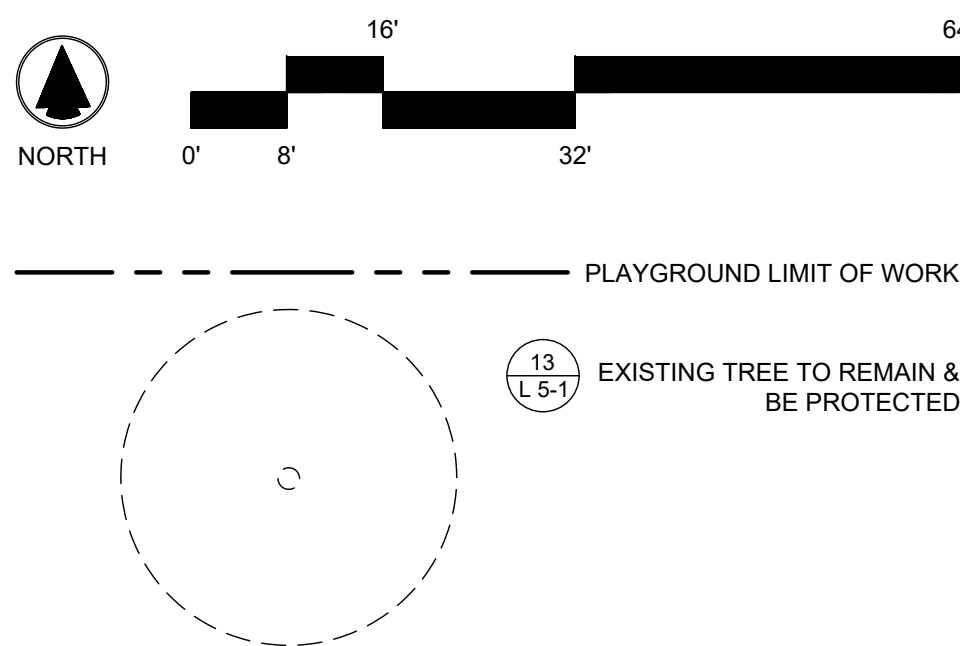


NOTES

- All contractors should notify in writing all utility companies and government agencies prior to any excavation work, and call DCSAFE (1-888-344-7235) prior to commencement of construction. Report any discrepancies in writing to the project manager and receive instructions prior to proceeding.
 - All items called for removal shall be removed to full depth including all footings, foundations, and other appurtenances, except as specifically noted otherwise.
 - Unless specifically noted to be saved or reused, all site features called for removal shall be removed from the site and legally disposed.
 - All existing site features to remain as indicated on the plan shall be protected throughout the construction period. Any features damaged during construction operations shall be repaired or replaced to the satisfaction of the City at no additional cost.
 - The site is to remain secure at all times prior to and during the construction period. The contractor shall install temporary construction fencing as necessary to ensure public safety, as directed by the City's Representative.
 - "Clear and grub" as indicated on plan shall include removal of shrubs and underbrush, removal of roots and general debris.
 - "Strip and stockpile" existing topsoil as required to accomplish the work of the contract for later reuse where appropriate, and as noted.
 - The storage of materials and equipment will be permitted at locations designated by the City's Representative. Protection of stored materials and equipment shall be the sole responsibility of the Contractor.
 - Contractor is responsible for securing necessary traffic control details and measures per state and local requirements for any construction activity in the road/right-of-way.
 - EROSION CONTROL**
 - All erosion and sediment control measures are to be constructed and maintained in accordance with applicable published standards and specifications for soil erosion and sediment control in developing areas (published July, 1985) as distributed by the U.S. Department of Commerce NTIS, 5285 Port Royal Road, Springfield, Virginia 22161 and as required by the City of Burlington.
 - Periodic inspection and maintenance of all sediment control structures must be provided to ensure intended purpose is accomplished. Contractor shall be responsible for all sediment leaving the "limit of work"; sediment control measures shall be in working condition at the end of each working day.
 - All sediment shall be prevented from entering any storm drainage system.
 - After any significant rainfall, sediment control structures shall be inspected for integrity. Any damaged device shall be corrected immediately.
 - Contractor shall provide additional temporary erosion control devices where necessary as directed by the City's Representative.
 - Any disturbed area that is to be exposed for 30 days (but less than 60 days) shall be temporarily stabilized by mulching as required.
 - All disturbed areas not covered by building or paving shall be stabilized as soon as possible by permanent seeding and mulching as required.
 - Any major erosion shall be controlled by the Contractor and repaired or replaced to the satisfaction of the City at no additional cost.
- TREE PROTECTION**
 - Existing trees to remain shall be protected by the installation of a fence as indicated on the drawings and as directed in the field by the City's Representative. Erect tree protection fencing prior to any construction or excavation work. Tree protection shall be maintained for the duration of construction and removed by Contractor at the end of the construction.
 - Do not injure or deface vegetation to remain. Repair any damage done to tree crowns or root systems, bark, or trunk per the recommendation of an approved Certified Arborist at no additional cost. In the event that repair or replacement is not feasible, the Contractor sum shall be reduced by the value of the damage based on the latest Standards approved by International Society of Arboriculture.
 - Do not use trees that are to remain for any purpose such as crane ways, guy anchors, etc. Do not place debris where damage to trees may result. Do not store materials, equipment or vehicles within drip line of trees to remain. Do not store materials on unpaved surface within drip line of trees to remain.
 - Deep water trees for one week prior to commencing excavation.
 - Do not damage roots of trees that are to remain during excavation. When excavating or trenching within the branch spread of trees scheduled to remain, do so by hand and in a manner which will cause minimum damage to root systems. Do not cut tree roots over 2 inches in diameter. Do not leave surface roots exposed. Neatly and clearly saw cut roots that are necessary to remove as well as injured roots and backfill as soon as possible.

A. Notify City's Representative if any main root is encountered in the excavation. Obtain authorization prior to root cutting and/or removal.
B. Temporarily cover exposed roots with wet burlap to prevent roots from drying out. Cover roots with earth as soon as possible.
C. Apply root growth enhancer in strict accordance with manufacturer's written directions.

 - Water trees and other vegetation to remain within the limit of work as required to maintain their health during the course of construction operations.



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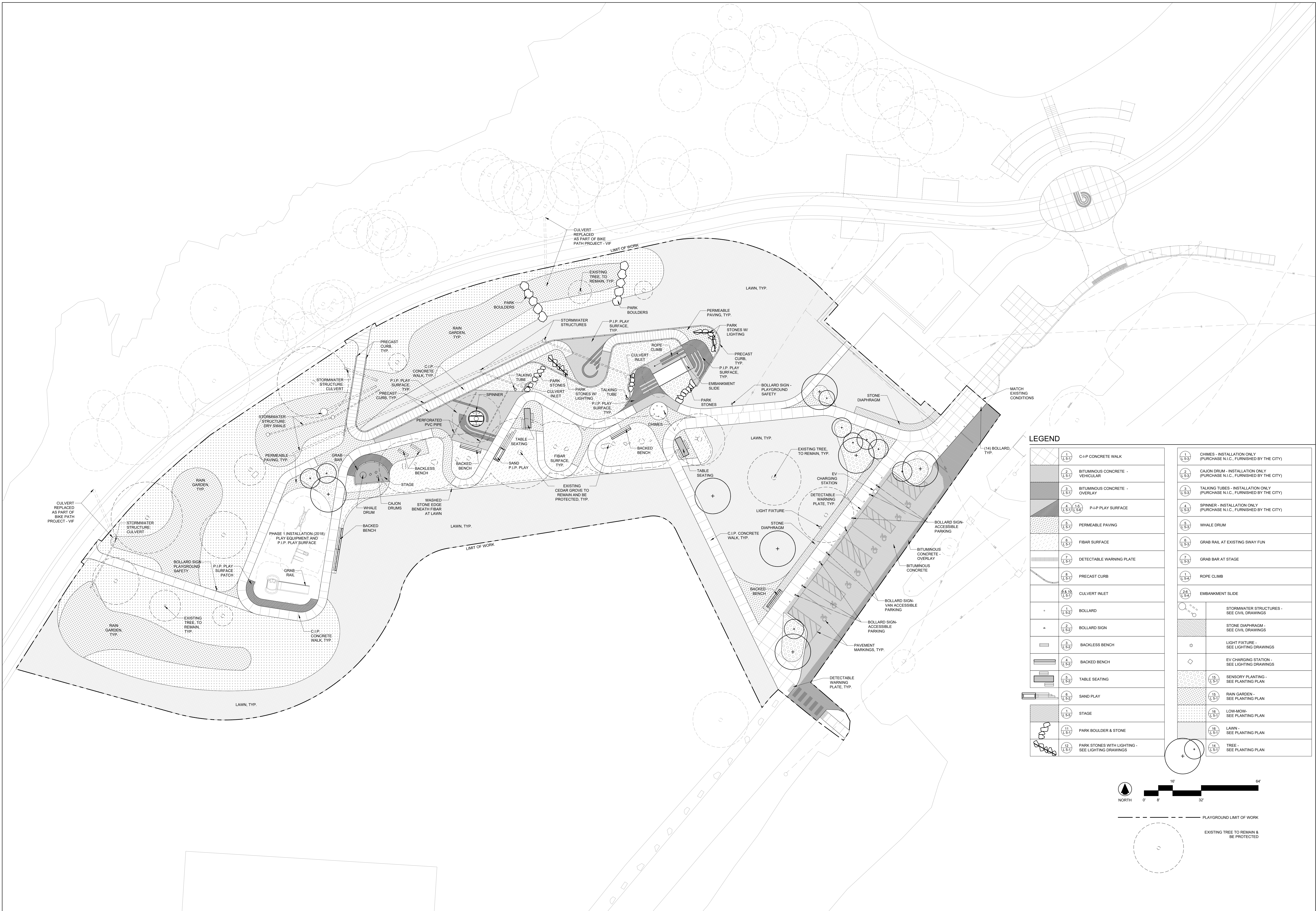


5 Crescent Street
Boston, MA 02129
617-548-9688

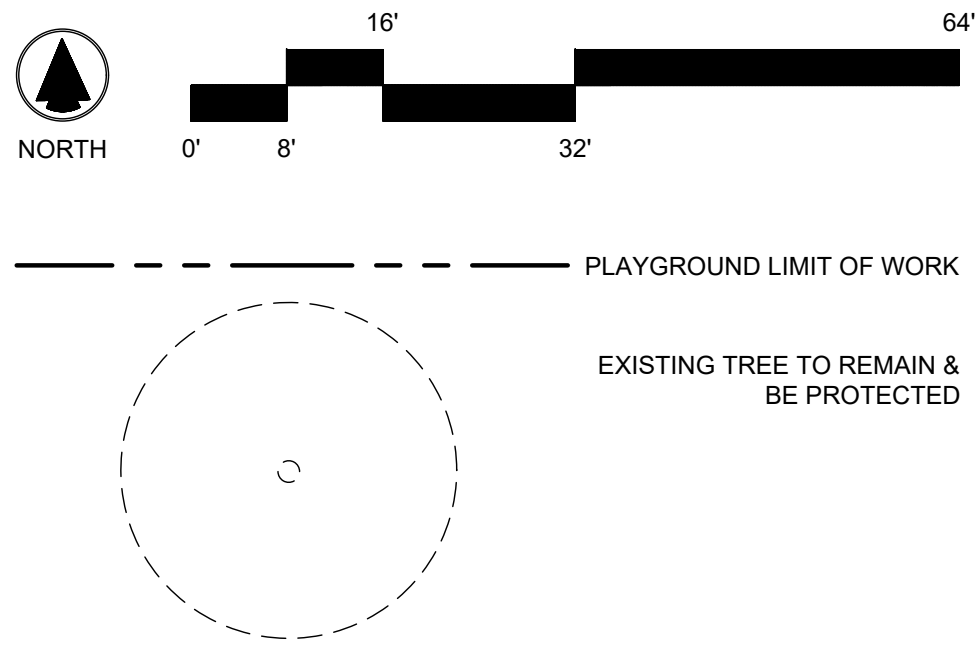
SUBMISSION		
NO.	DATE	DESCRIPTION
1	04-08-2022	BID DRAWINGS

SITE
PREPARATION
PLAN

L 0-3

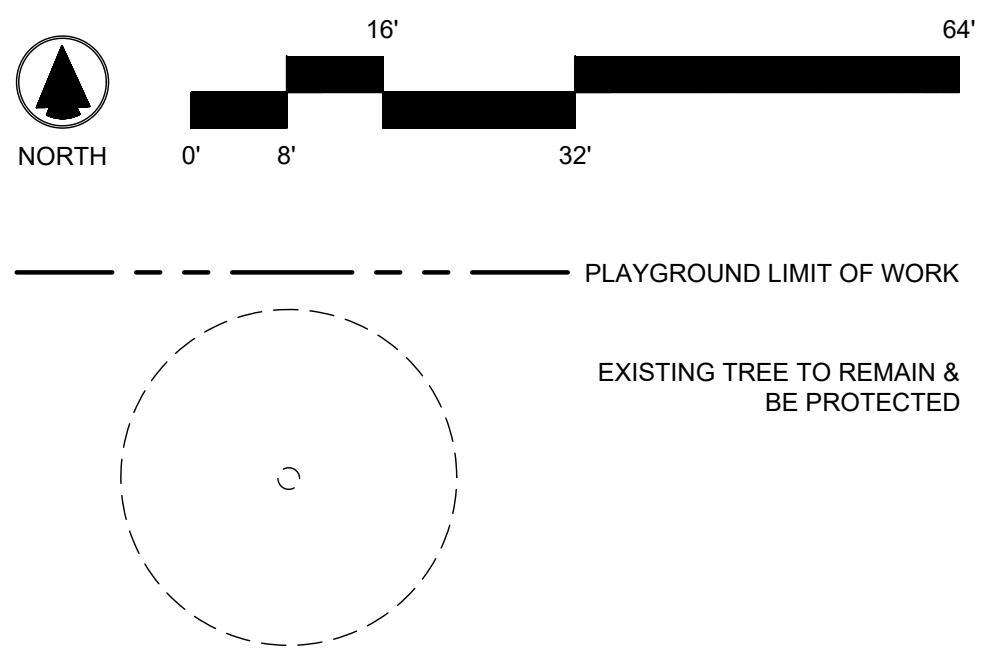


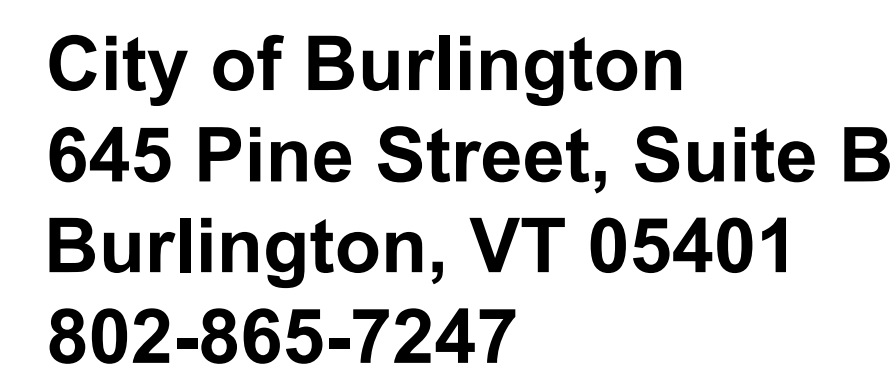
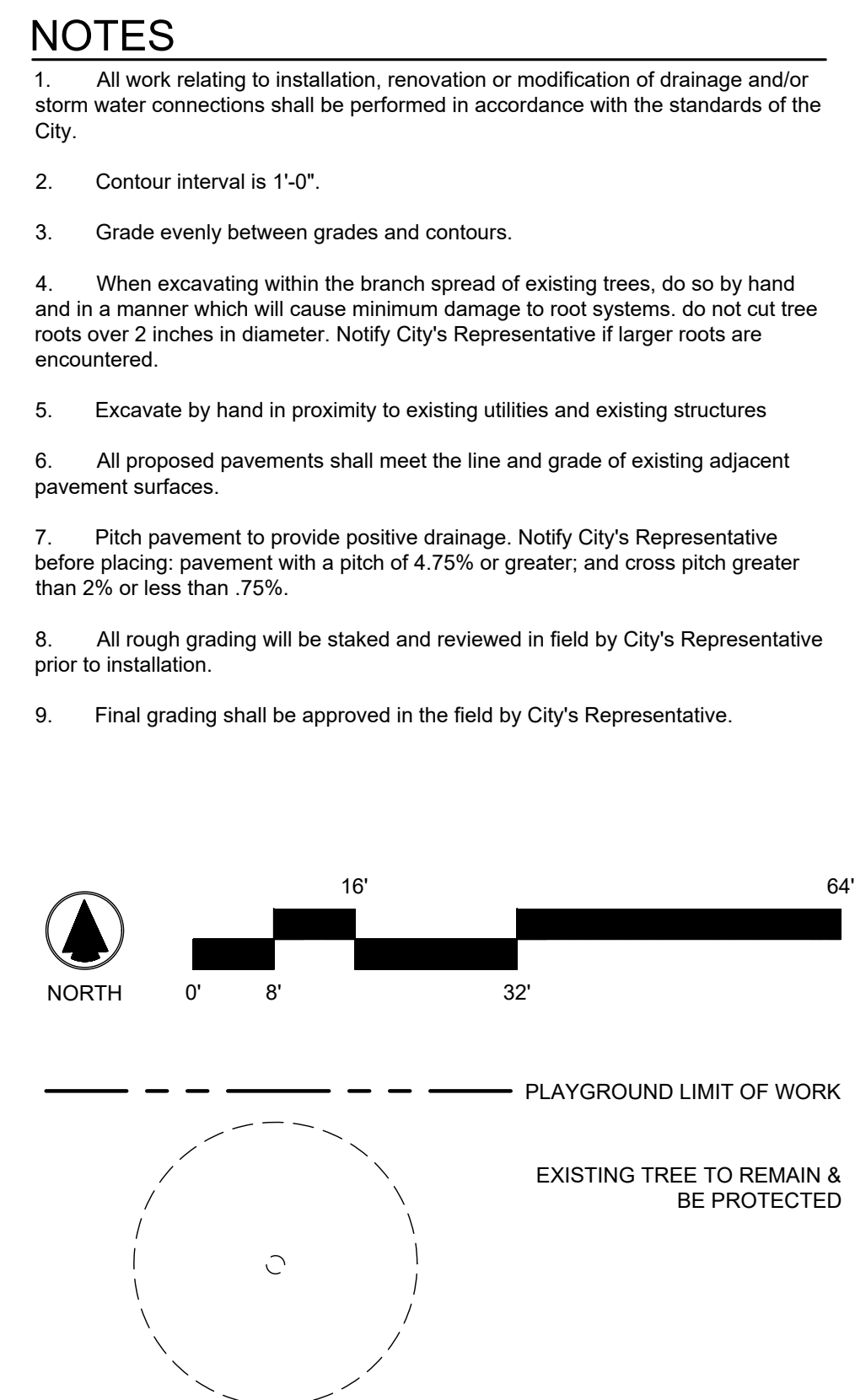
LEGEND	
	1 C-I-P CONCRETE WALK
	2 BITUMINOUS CONCRETE - VEHICULAR
	3 BITUMINOUS CONCRETE - OVERLAY
	4 P-I-P PLAY SURFACE
	5 PERMEABLE PAVING
	6 FIBAR SURFACE
	7 DETECTABLE WARNING PLATE
	8 PRECAST CURB
	9 CULVERT INLET
	10 BOLLARD
	11 BOLLARD SIGN
	12 BACKLESS BENCH
	13 BACKED BENCH
	14 TABLE SEATING
	15 SAND PLAY
	16 STAGE
	17 PARK BOULDER & STONE
	18 PARK STONES WITH LIGHTING - SEE LIGHTING DRAWINGS
	19 CHIMES - INSTALLATION ONLY (PURCHASE N.I.C. FURNISHED BY THE CITY)
	20 CAJON DRUM - INSTALLATION ONLY (PURCHASE N.I.C. FURNISHED BY THE CITY)
	21 TALKING TUBES - INSTALLATION ONLY (PURCHASE N.I.C. FURNISHED BY THE CITY)
	22 SPINNER - INSTALLATION ONLY (PURCHASE N.I.C. FURNISHED BY THE CITY)
	23 WHALE DRUM
	24 GRAB RAIL AT EXISTING SWAY FUN
	25 GRAB BAR AT STAGE
	26 ROPE CLIMB
	27 EMBANKMENT SLIDE
	28 STORMWATER STRUCTURES - SEE CIVIL DRAWINGS
	29 STONE DIAPHRAGM - SEE CIVIL DRAWINGS
	30 LIGHT FIXTURE - SEE LIGHTING DRAWINGS
	31 EV CHARGING STATION - SEE LIGHTING DRAWINGS
	32 SENSORY PLANTING - SEE PLANTING PLAN
	33 RAIN GARDEN - SEE PLANTING PLAN
	34 LOW-MOW - SEE PLANTING PLAN
	35 LAWN - SEE PLANTING PLAN
	36 TREE - SEE PLANTING PLAN





- NOTES**
1. Layout plan provides layout of all site elements and their foundations.
 2. Employ licensed surveyor to verify and layout baselines, centerlines, dimensions and elevations.
 3. Report any layout discrepancies to City's Representative immediately for written resolution prior to installation of element.
 4. All proposed site elements shall be laid out and staked prior to installation for review and approval by the City's Representative. Any required adjustments to the layout shall be undertaken as required at no additional cost to the City.
 5. Owner's Representative will work directly with contractor to establish layout of all site elements and adjust as necessary for field conditions.
 6. All layout lines, offsets, or references to locating elements are either: (A) parallel or perpendicular, (B) designated by angles or dimensions shown in drawings.
 7. Dimensions are to wall face, curb face, pavement edge, or centerline of elements or as otherwise noted.
 8. Align all edges, joints, surfaces that appear aligned in plan.
 9. Units for paving, steps and walls are to be located in quantities and arrangements shown in drawings. Notify City's Representative of conflicts.
 10. Unless clearly shown, units for paving, steps and walls should not be cut or ground as a means of achieving dimensions or alignments. Notify City's Representative of conflicts.
 11. Centerlines for paths of odd numbered units in width are to center of center unit. Centerlines of even numbered units in width are to center of joint between two centermost units.
 12. Offsets between units for paving, steps and walls are to be consistent between adjacent units unless shown.
 13. Precast curbs are straight and in standard radii - 5' or 10' (as measured along outer edge) unless otherwise shown.



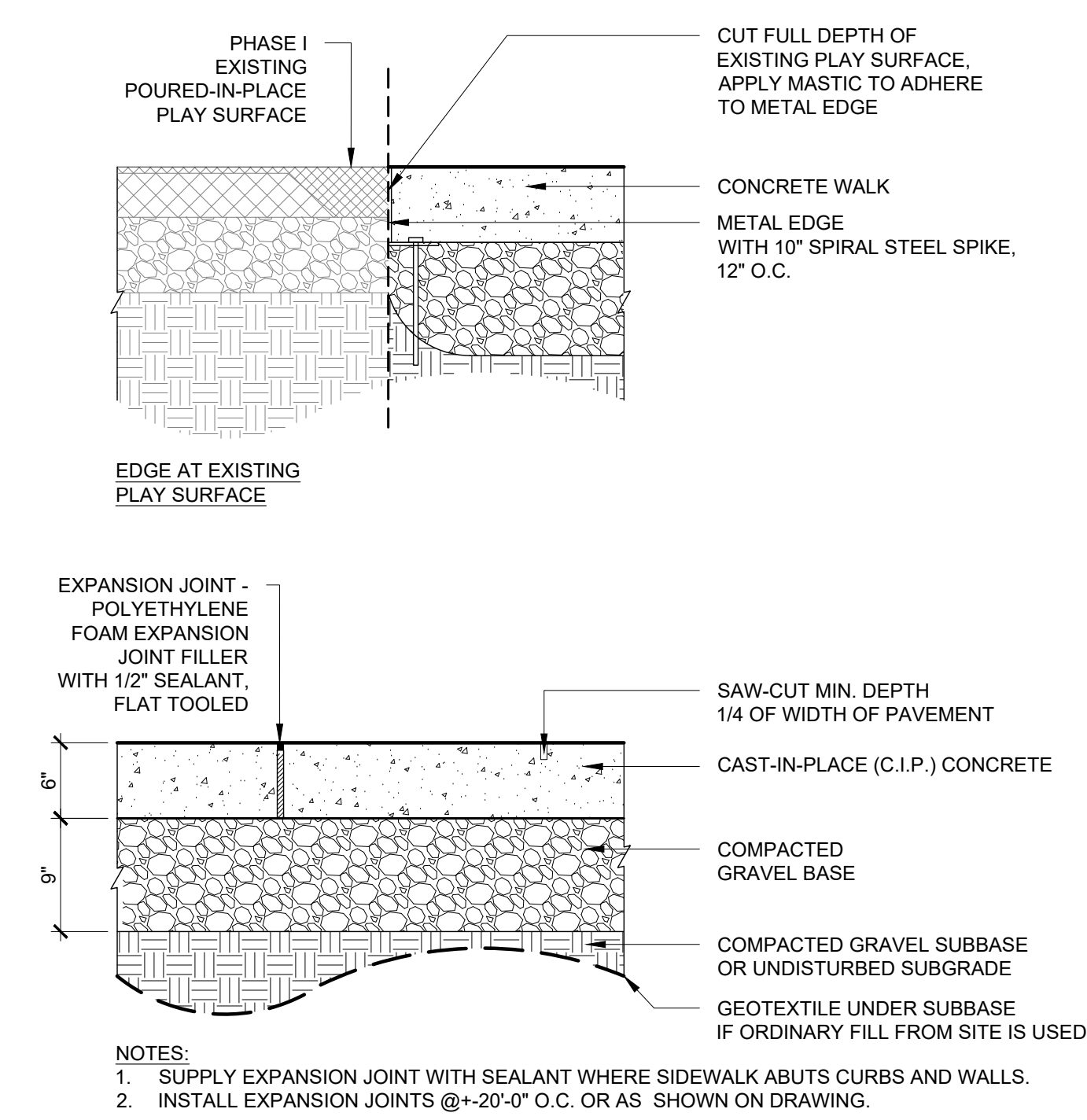


1 Flynn Avenue, Burlington, VT 05401

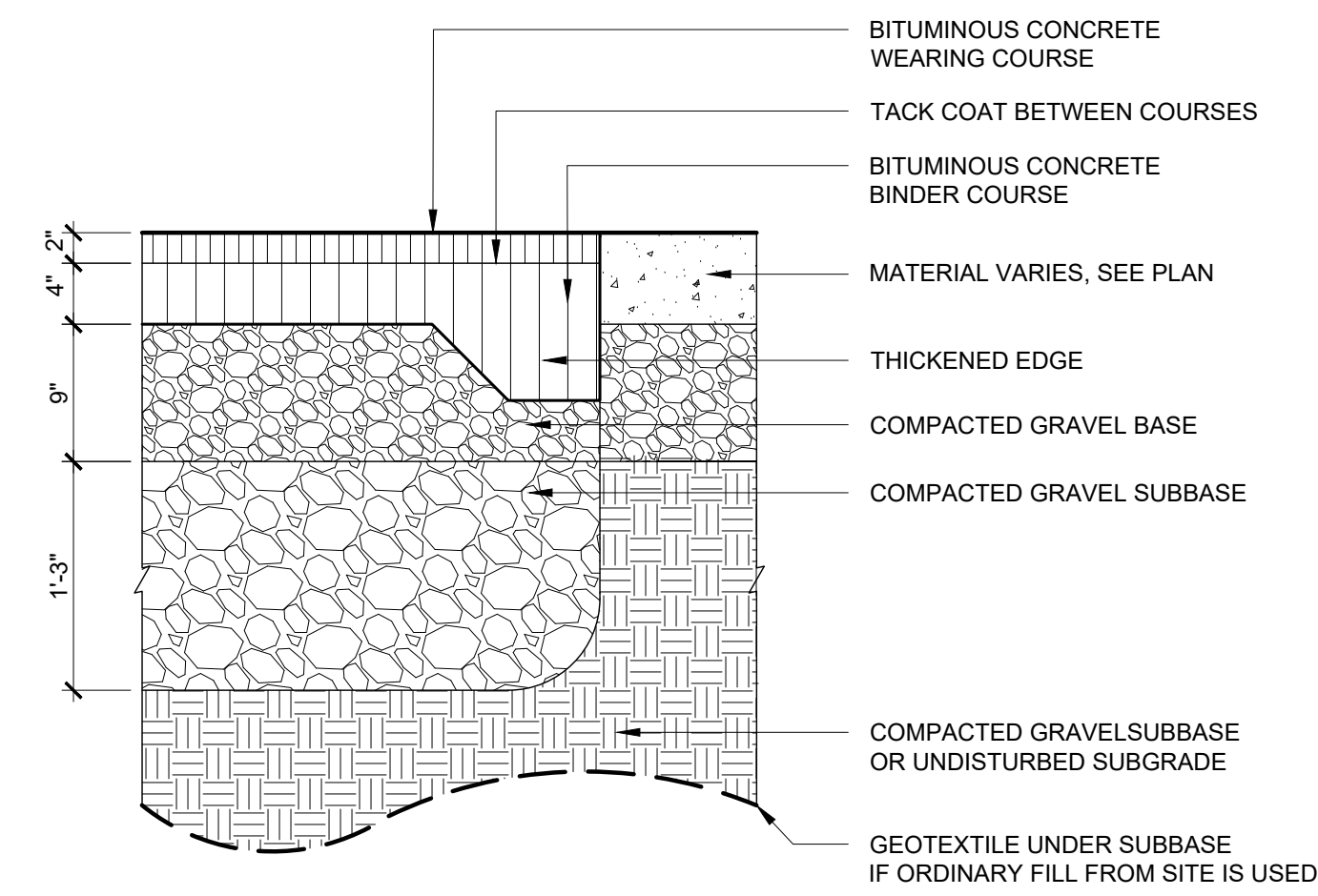


GRADING & DRAINAGE PLAN

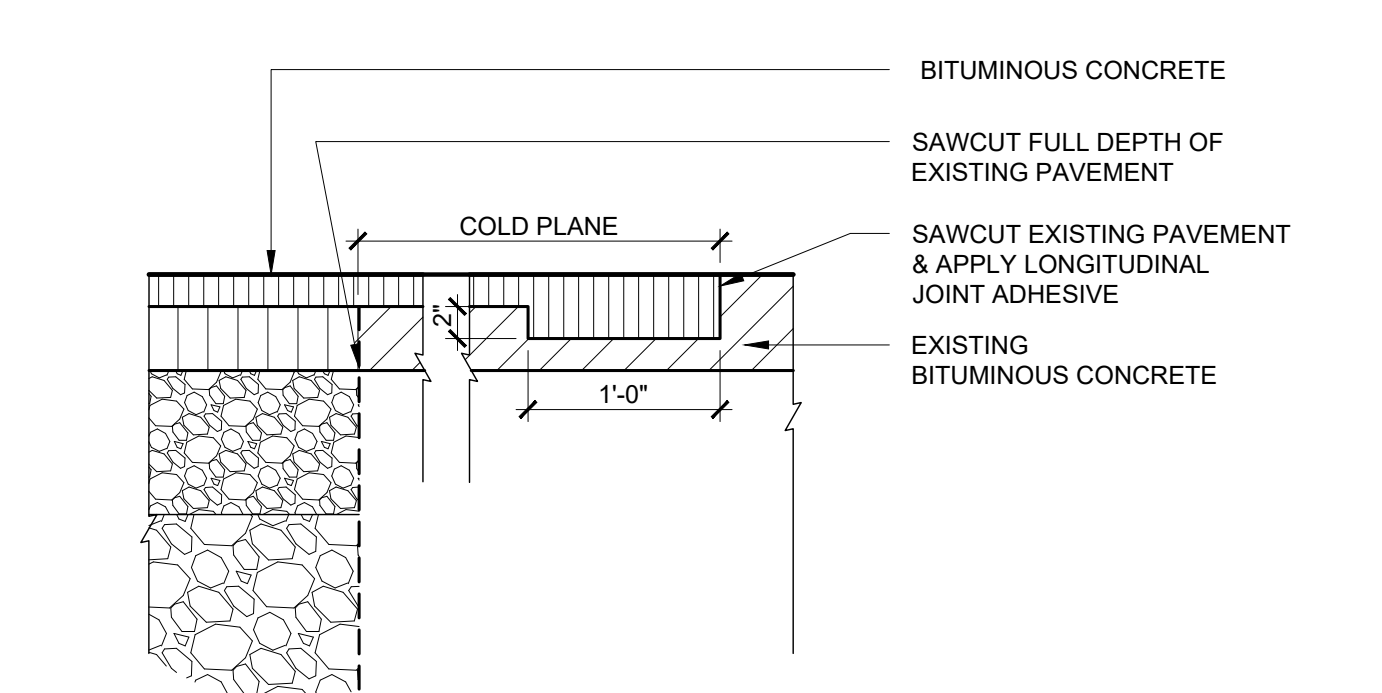
L 3-1



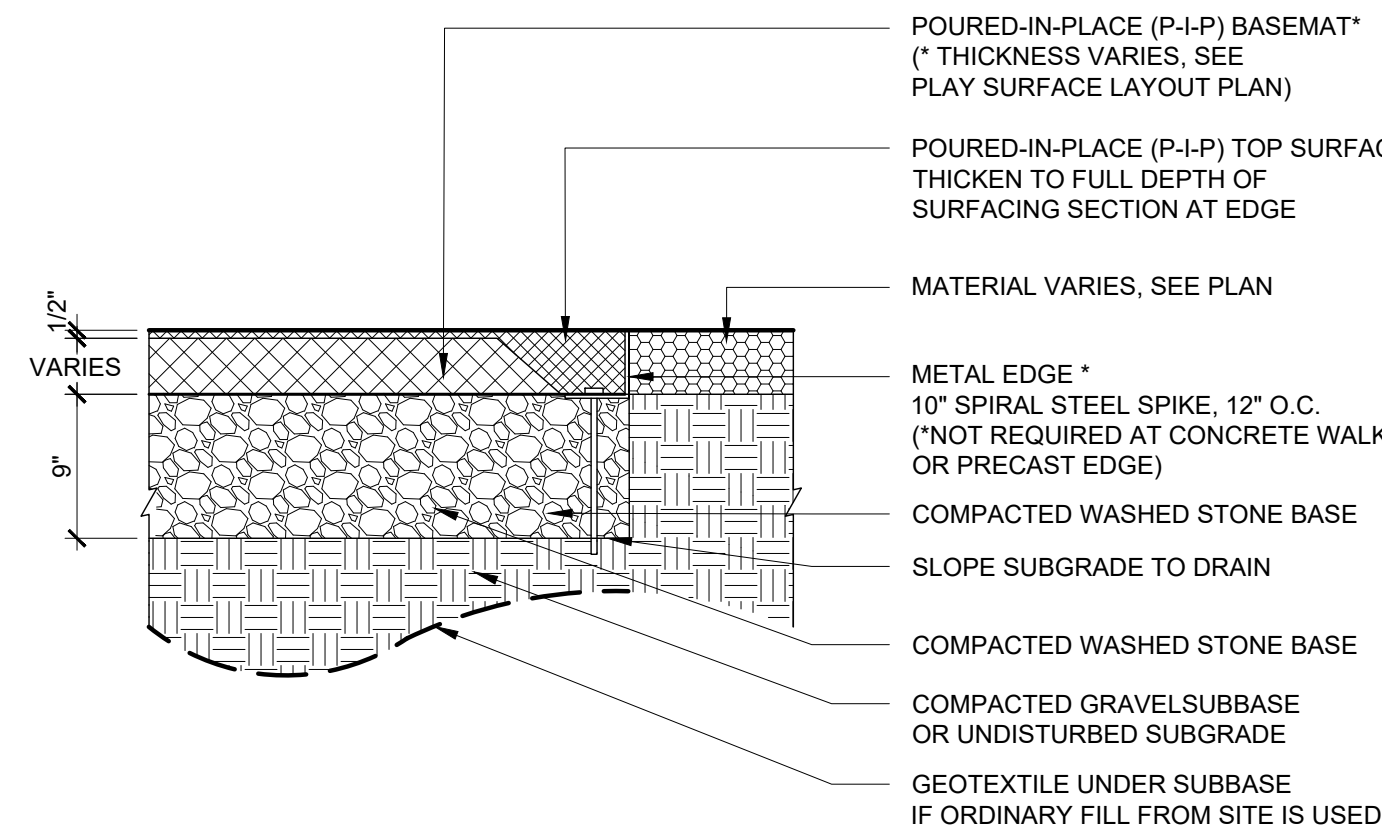
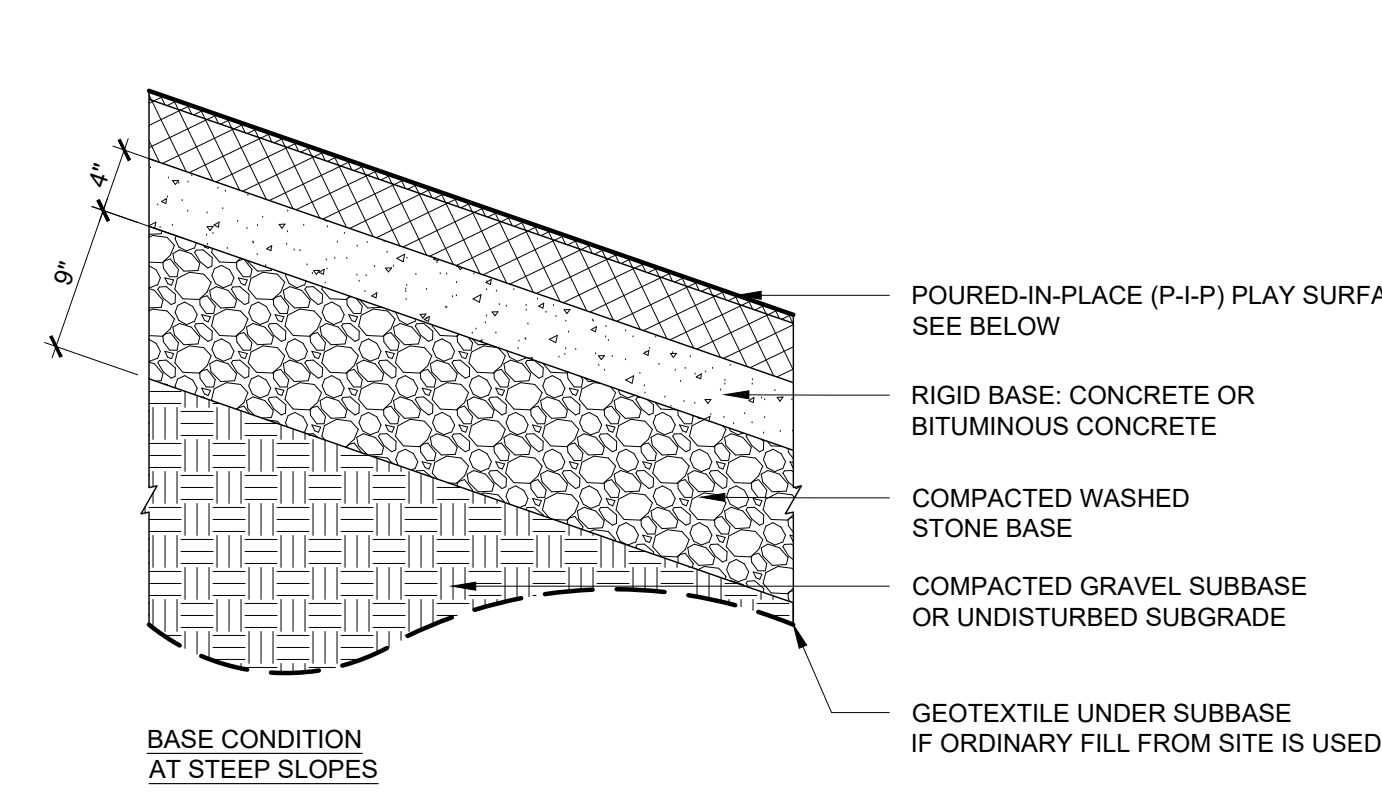
1 C.I.P. CONCRETE WALK
SCALE: 1" = 1'-0"



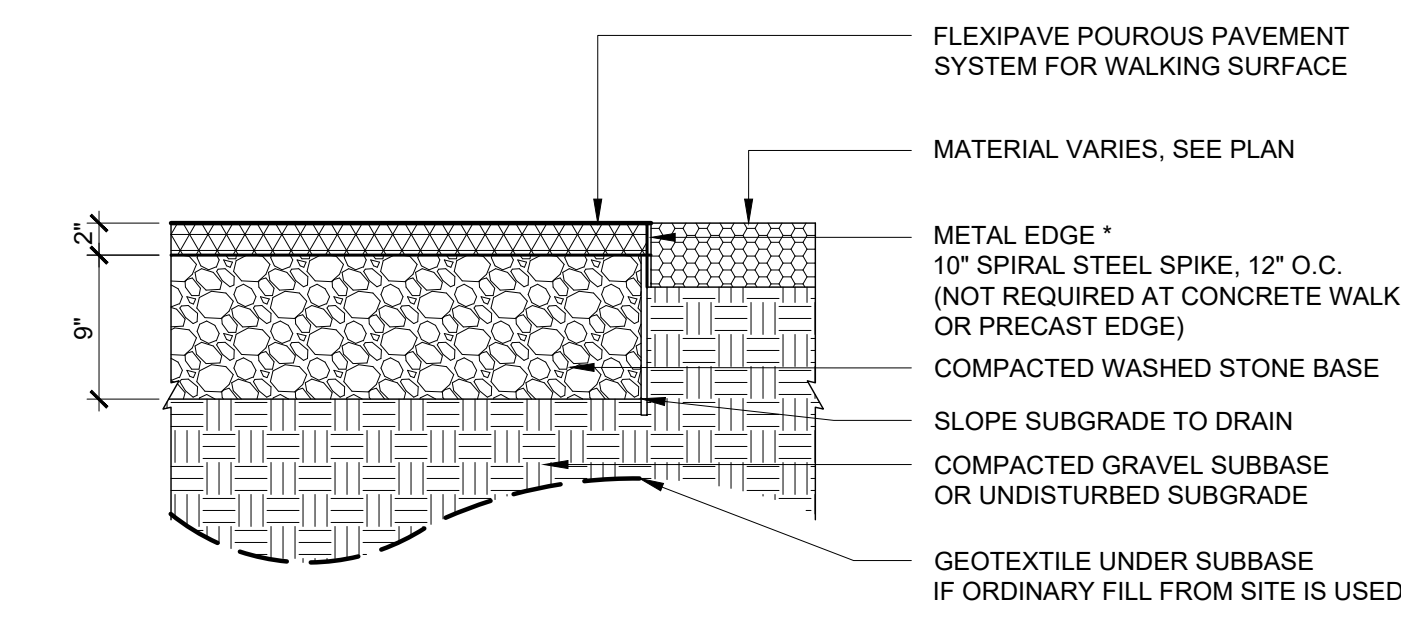
2 BITUMINOUS CONCRETE - VEHICULAR
SCALE: 1" = 1'-0"



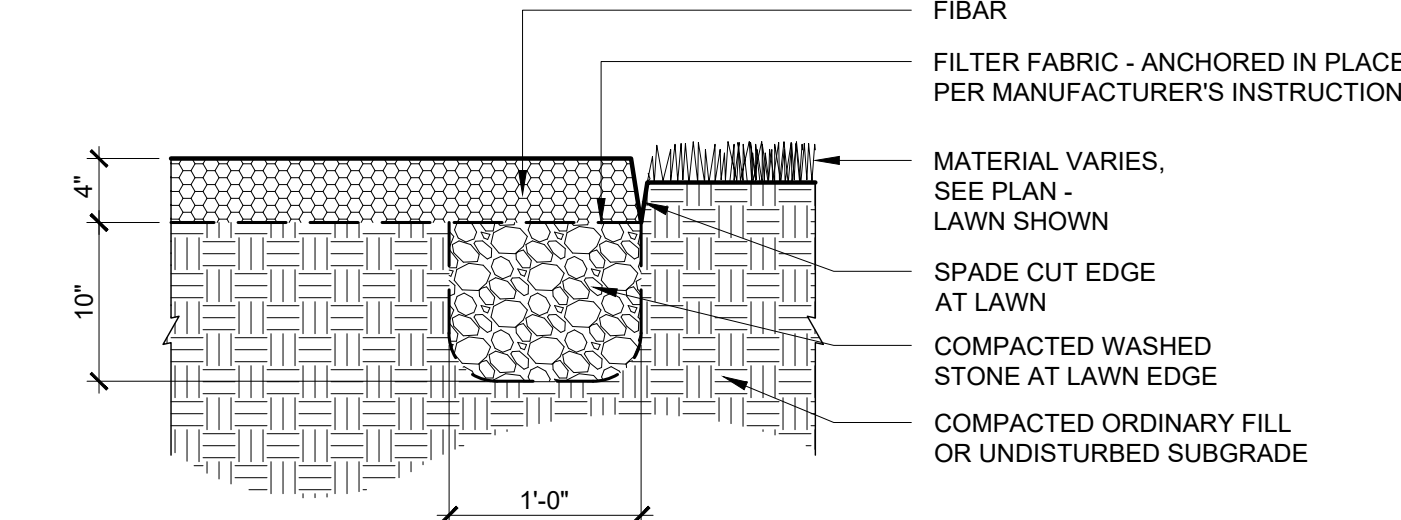
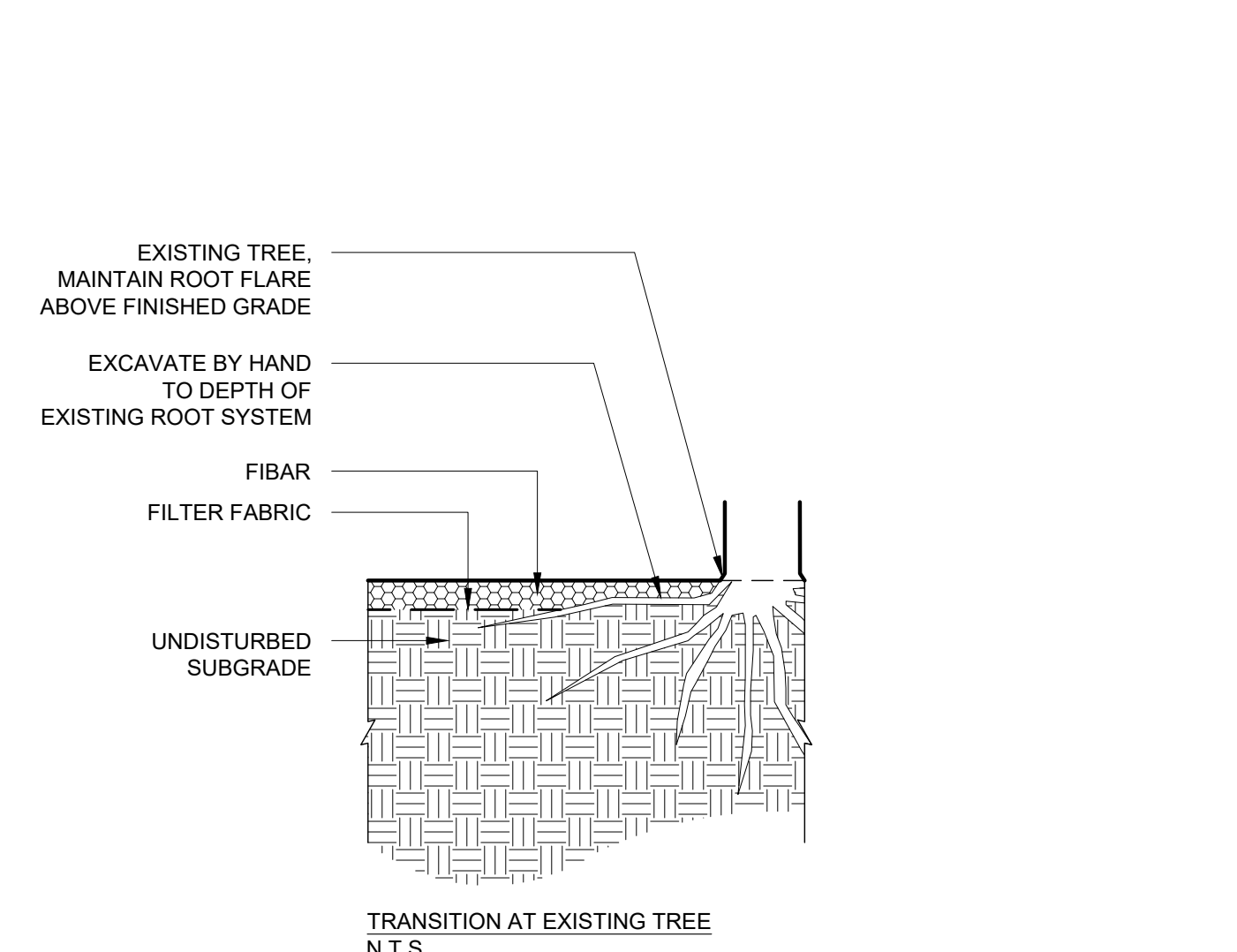
3 BITUMINOUS CONCRETE - OVERLAY
SCALE: 1" = 1'-0"



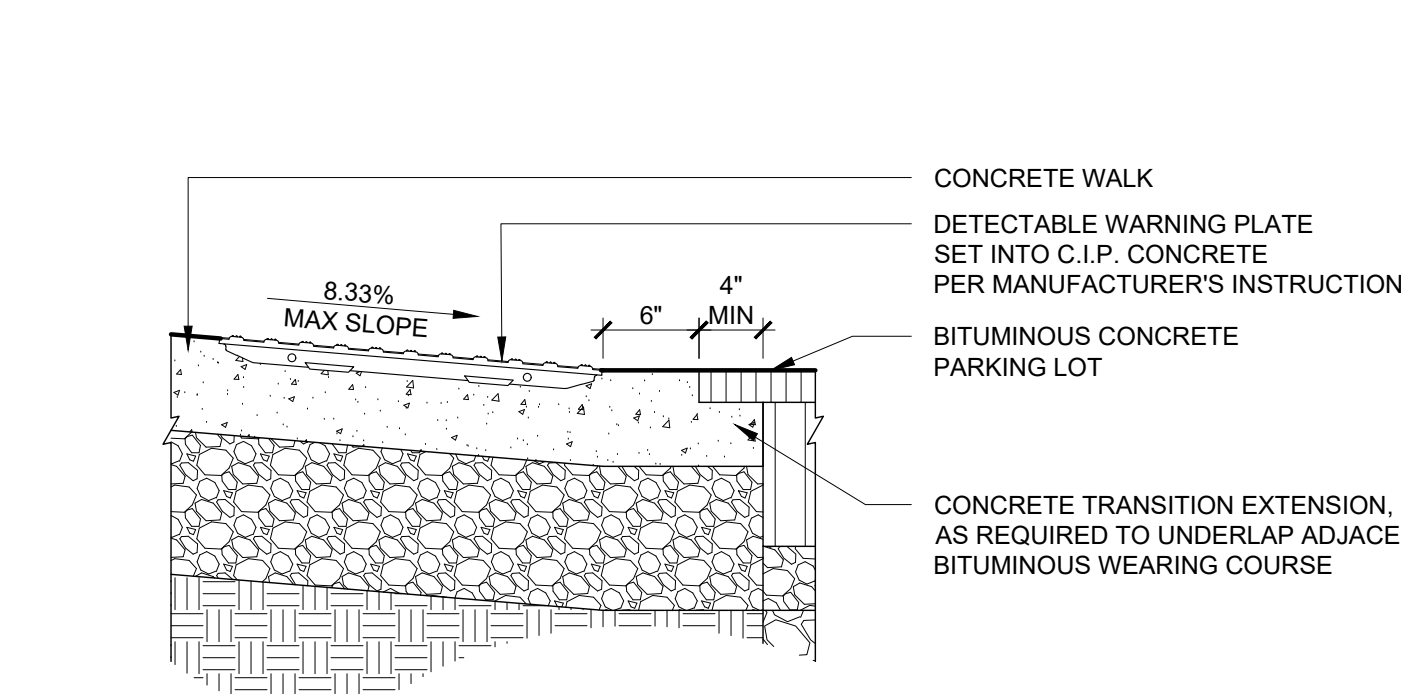
4 P-I-P PLAY SURFACE
SCALE: 1" = 1'-0"



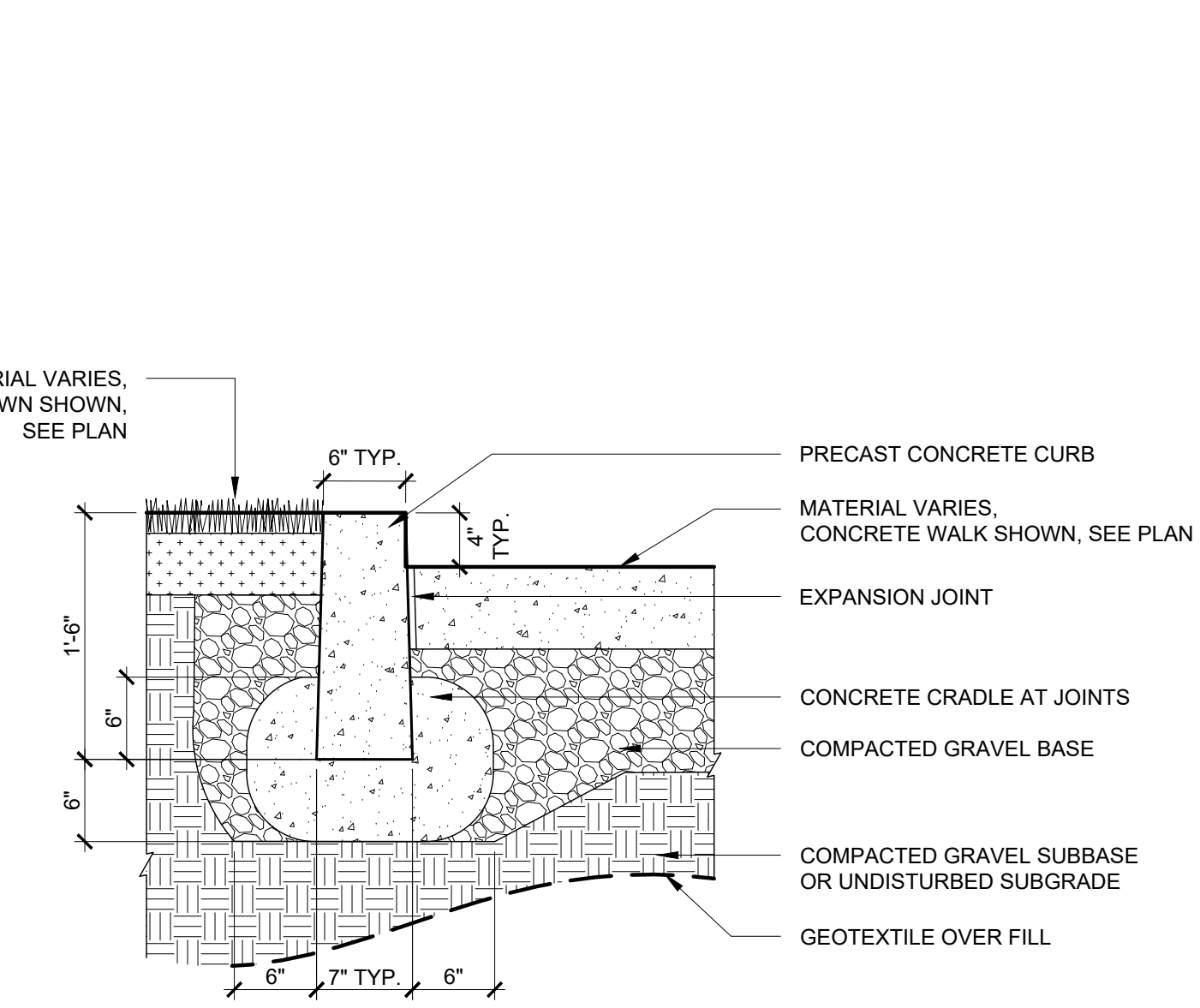
5 PERMEABLE PAVING
SCALE: 1" = 1'-0"



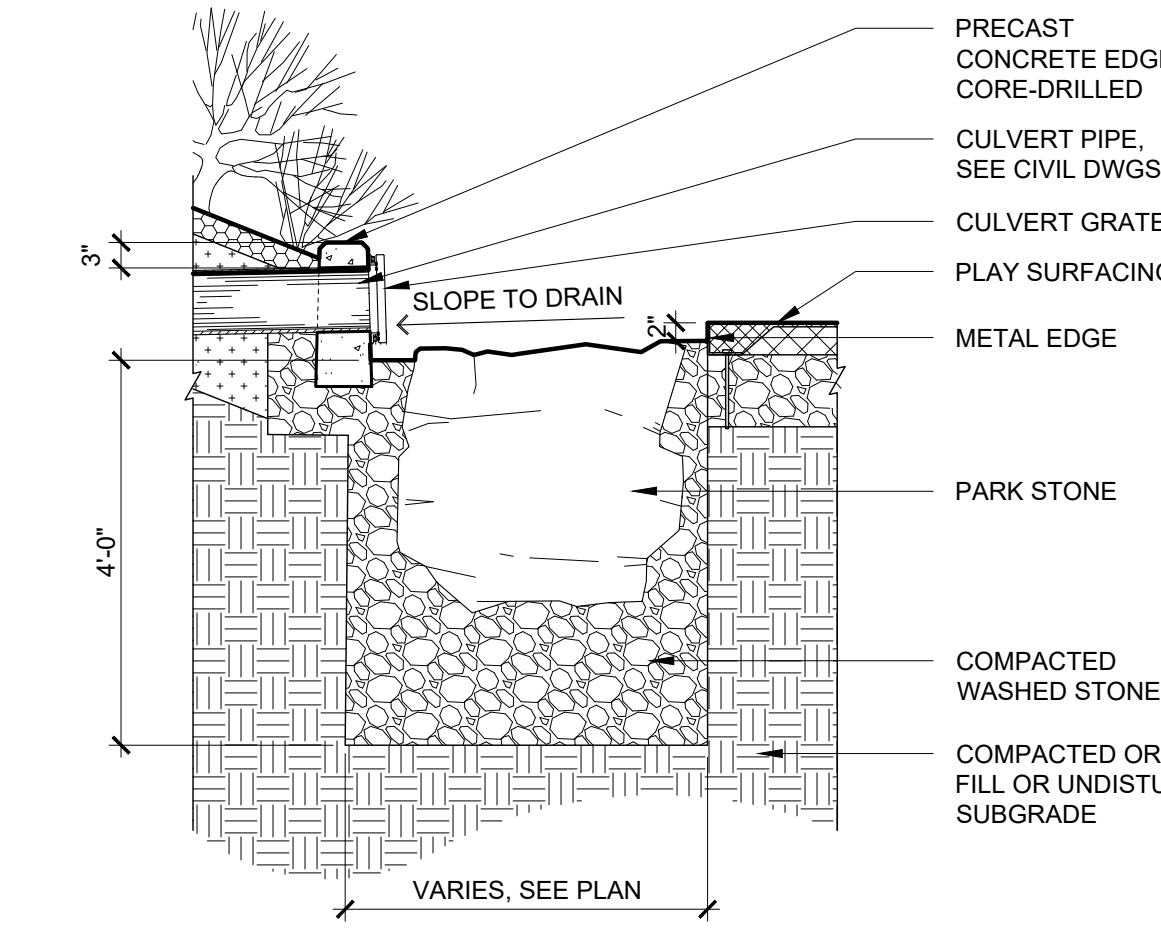
6 FIBAR SURFACE
SCALE: 1" = 1'-0"



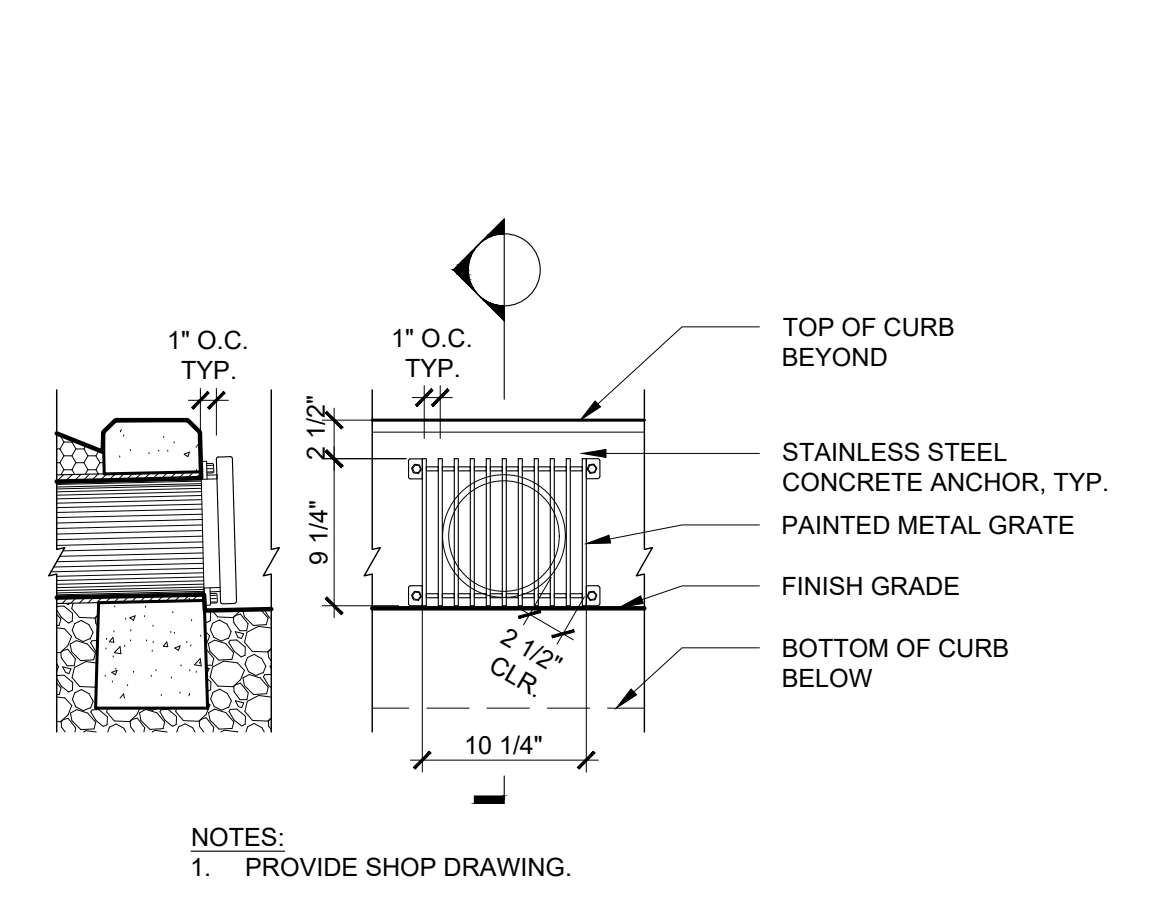
7 DETECTABLE WARNING PLATE
SCALE: 1" = 1'-0"



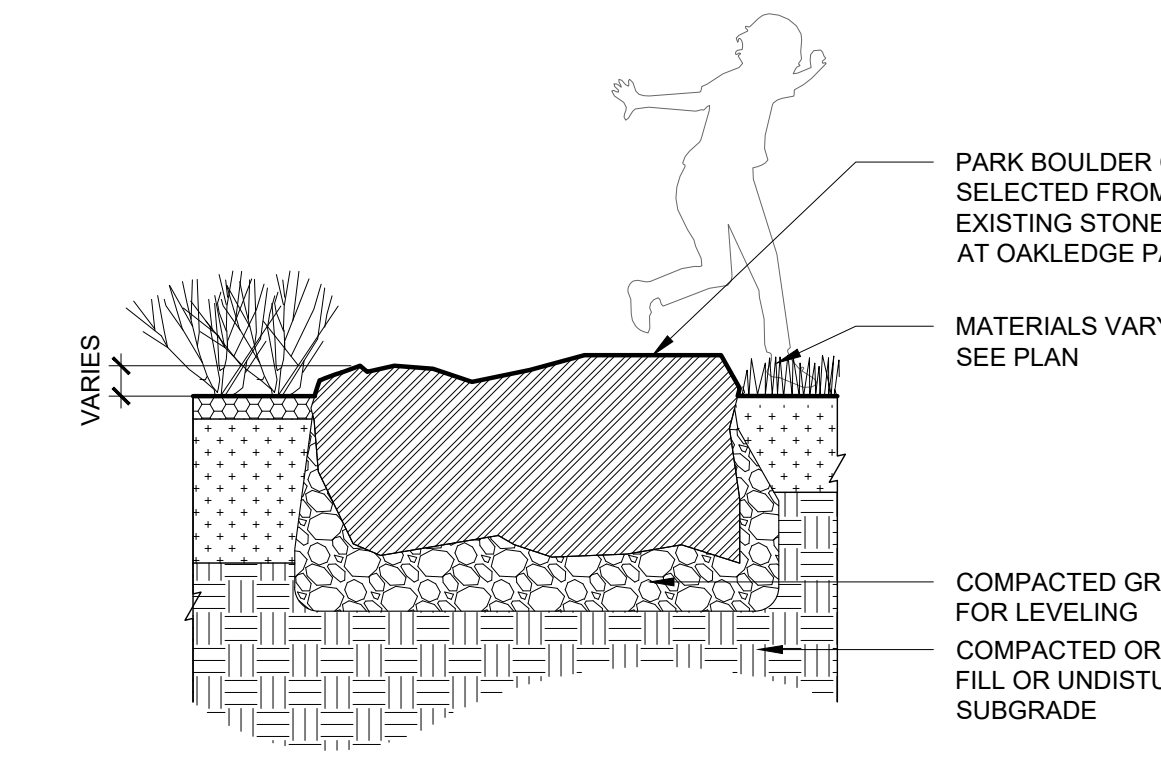
8 PRECAST CURB
SCALE: 1" = 1'-0"



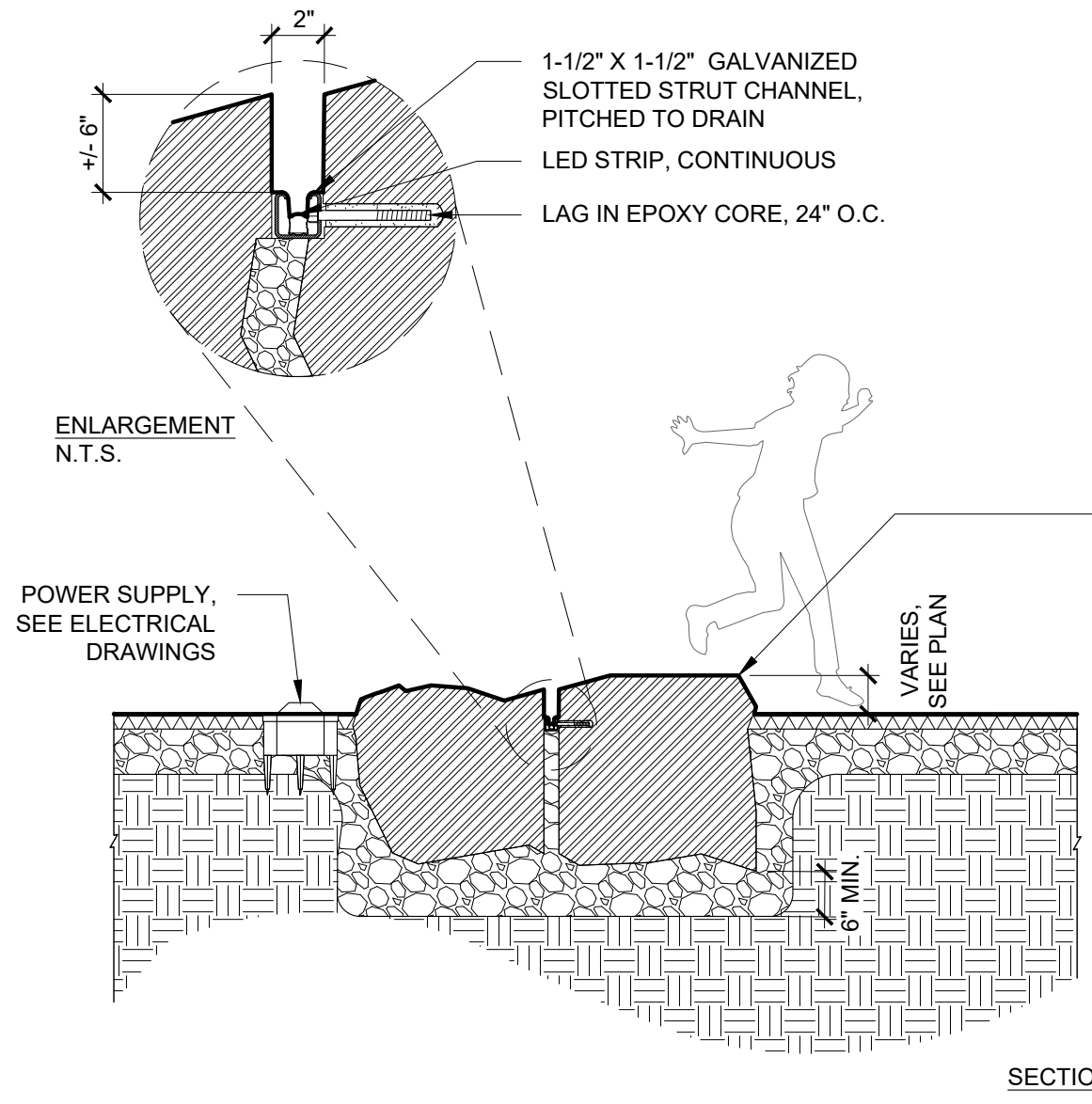
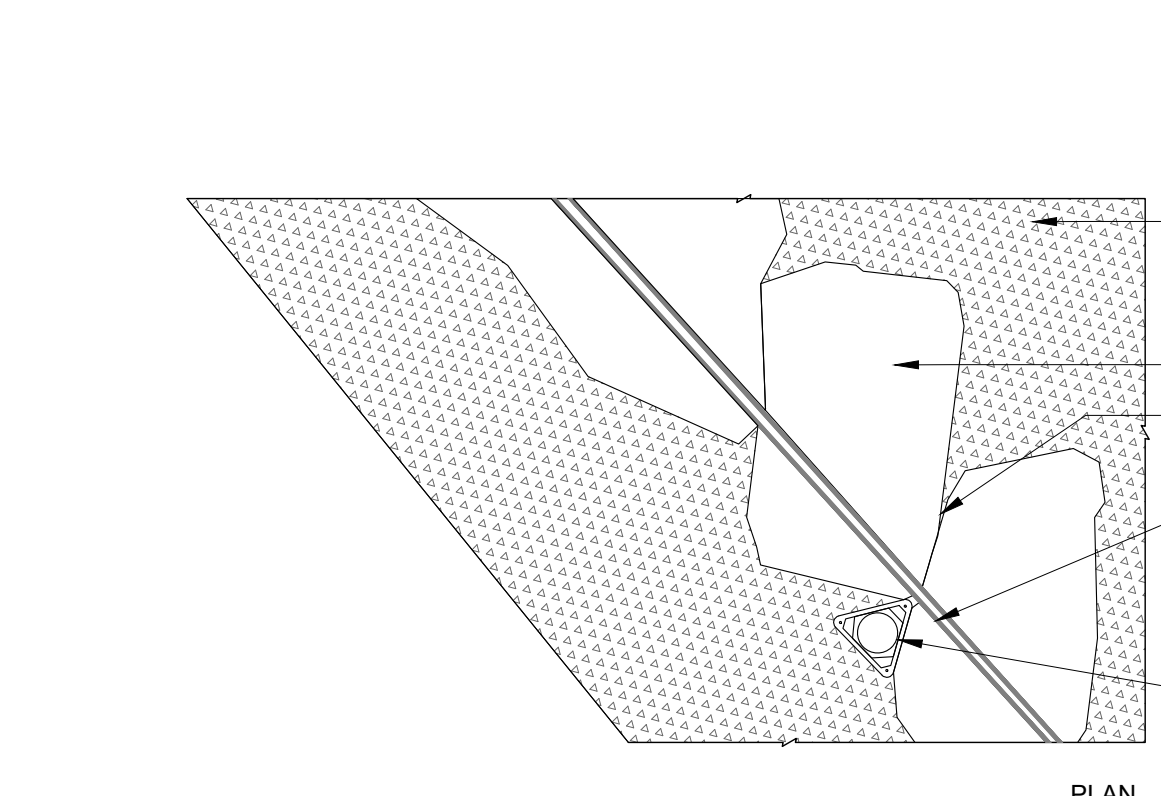
9 CULVERT INLET AREA
SCALE: 1" = 2'-0"



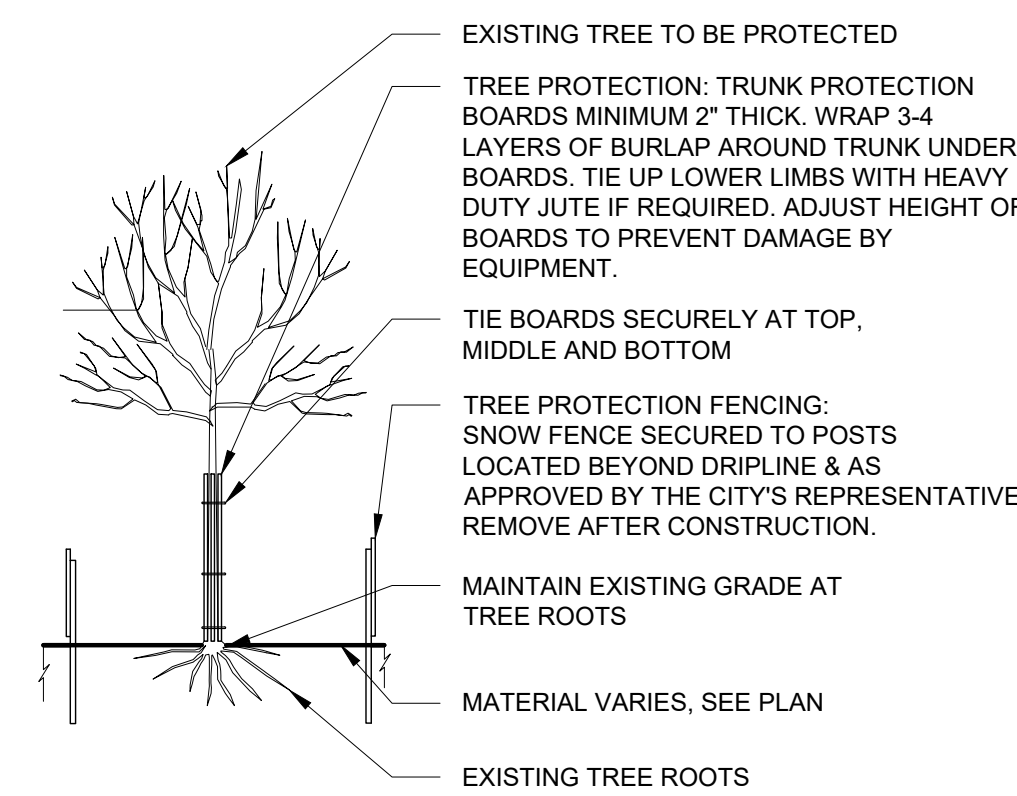
10 CULVERT INLET GRATE
SCALE: 1" = 1'-0"



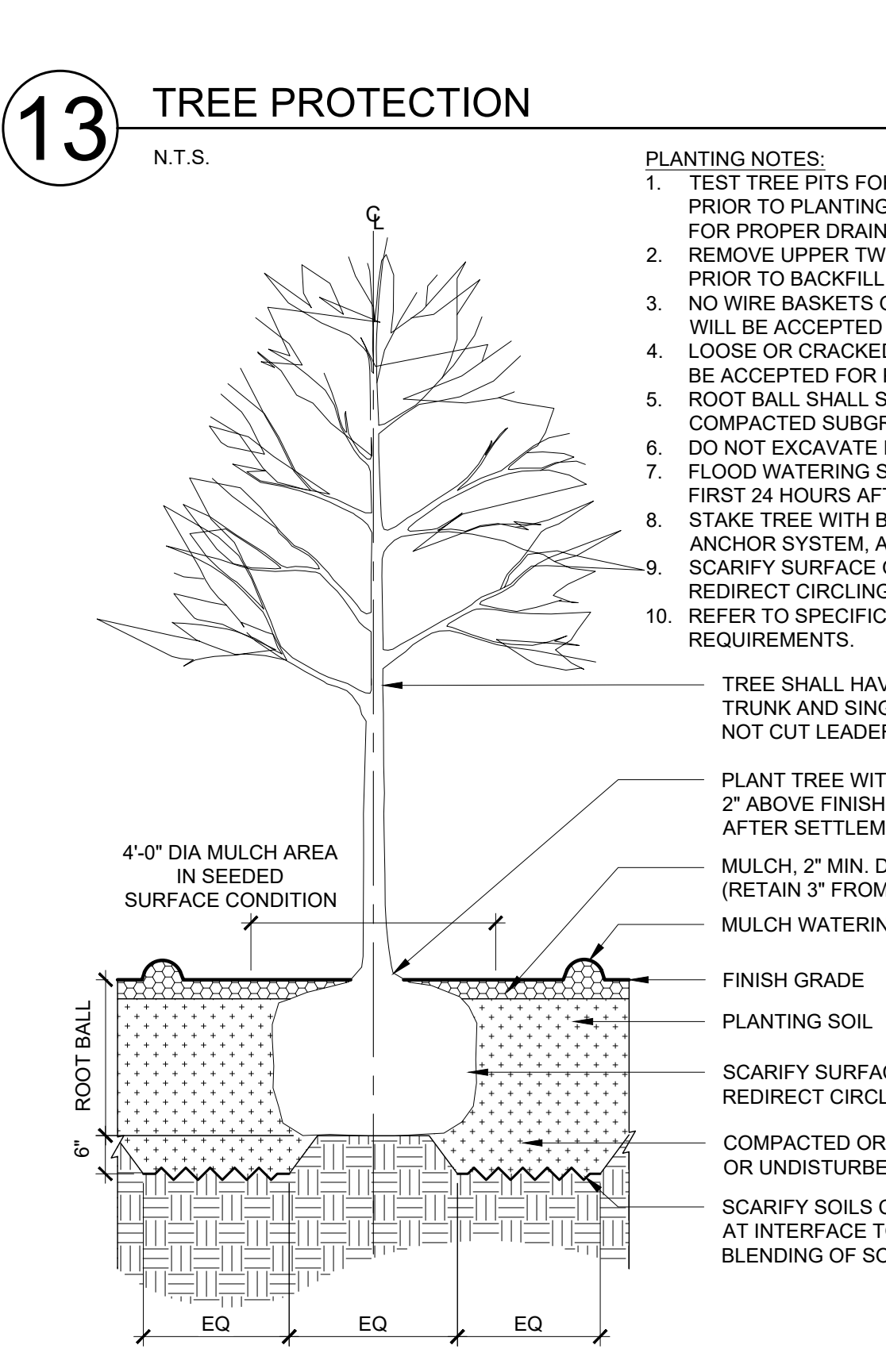
11 PARK BOULDER & STONE
SCALE: 1" = 2'-0"



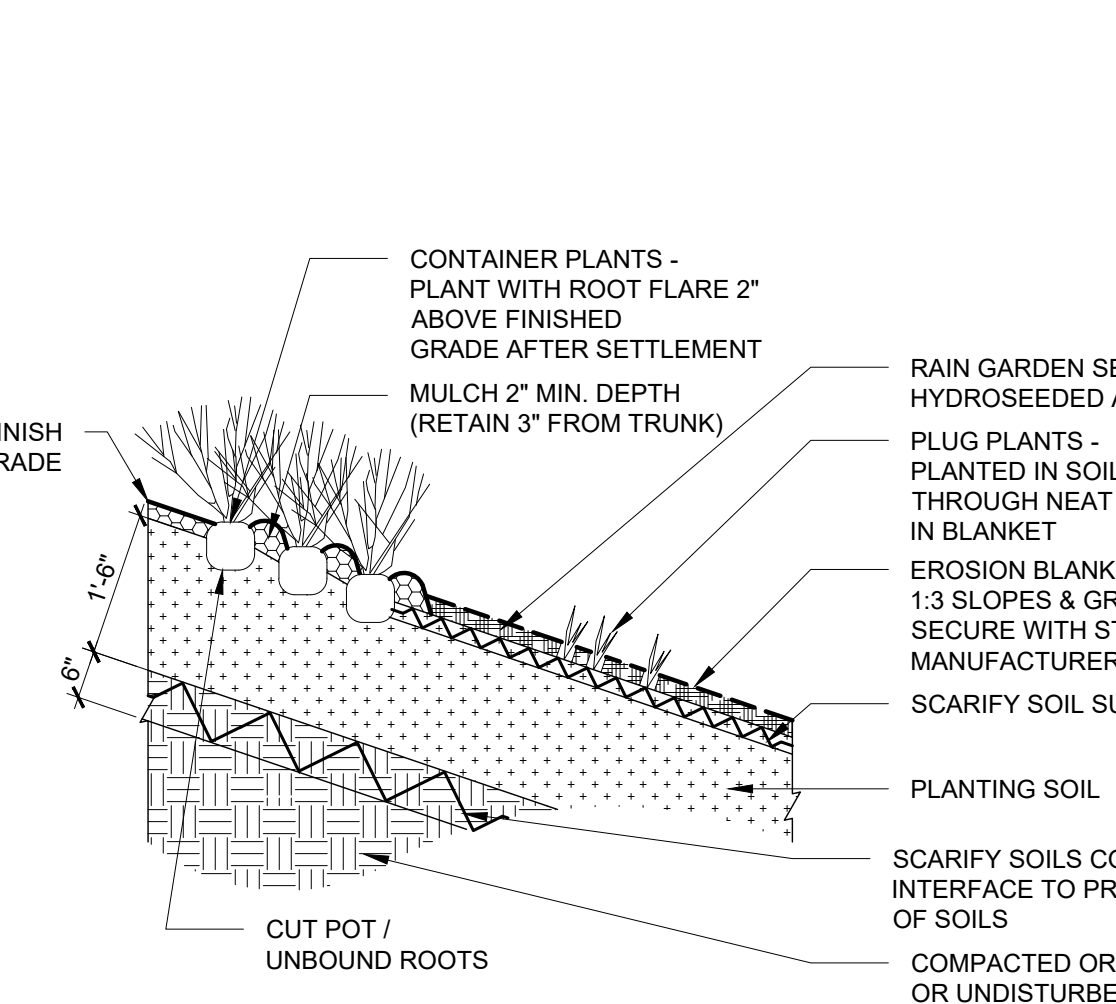
12 PARK STONE WITH LIGHTING
SCALE: 1" = 2'-0"



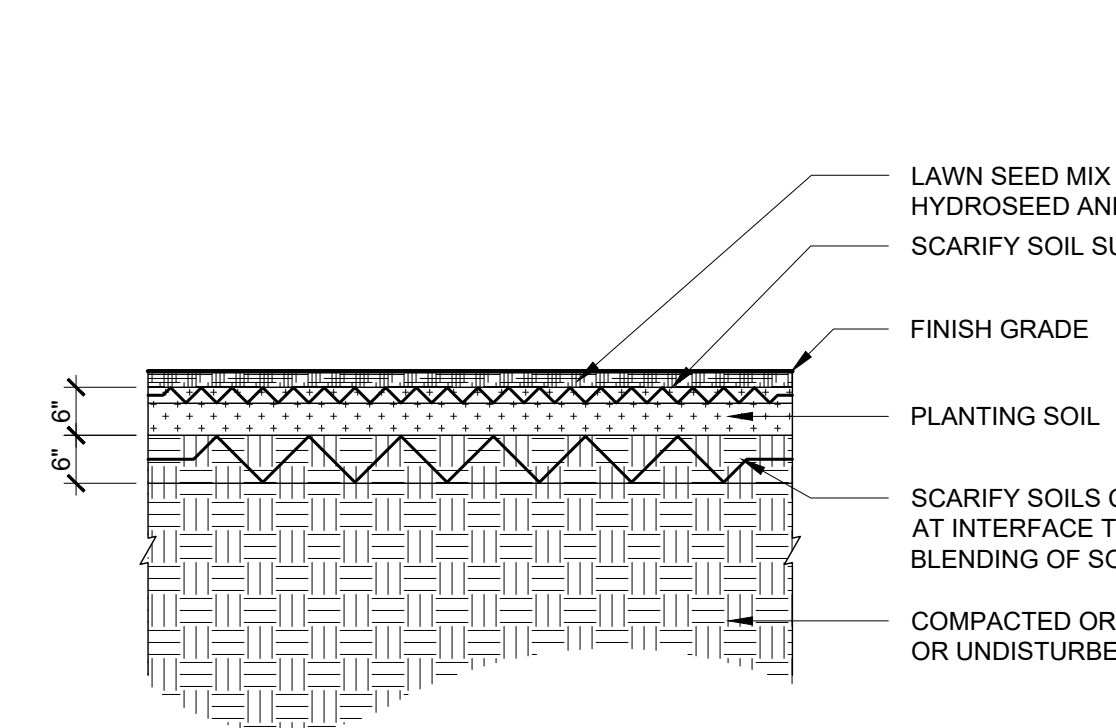
13 TREE PROTECTION
SCALE: 1" = 2'-0"



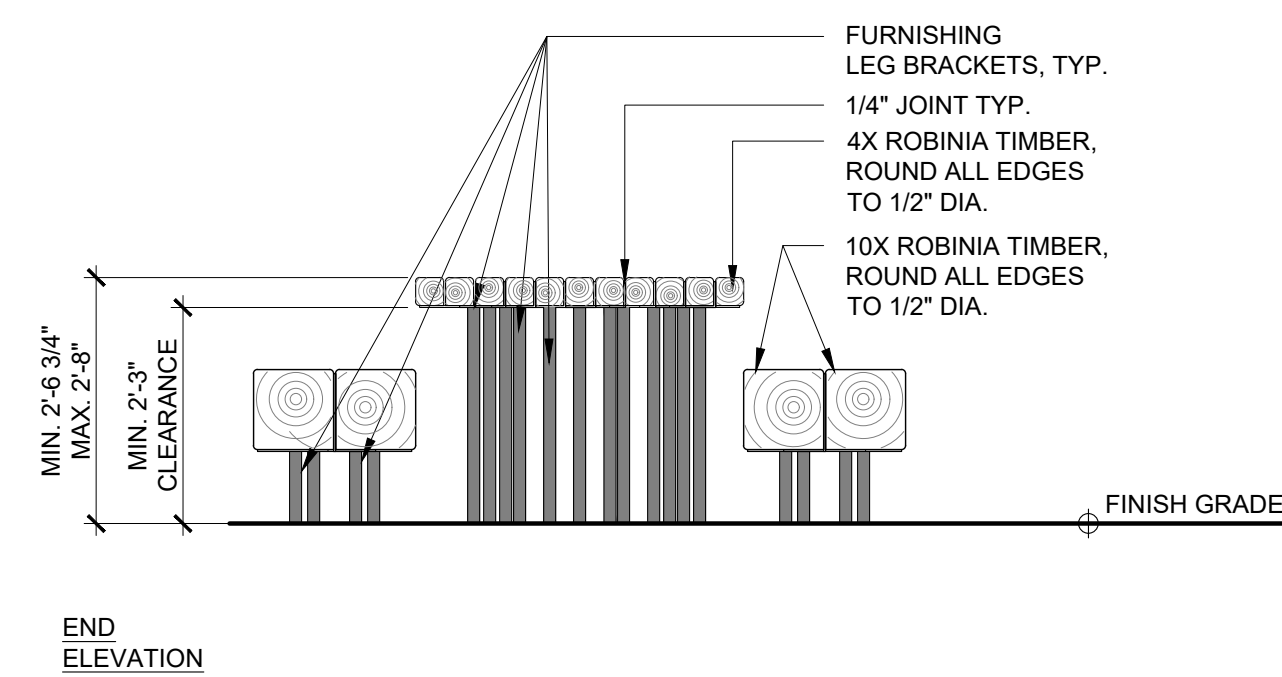
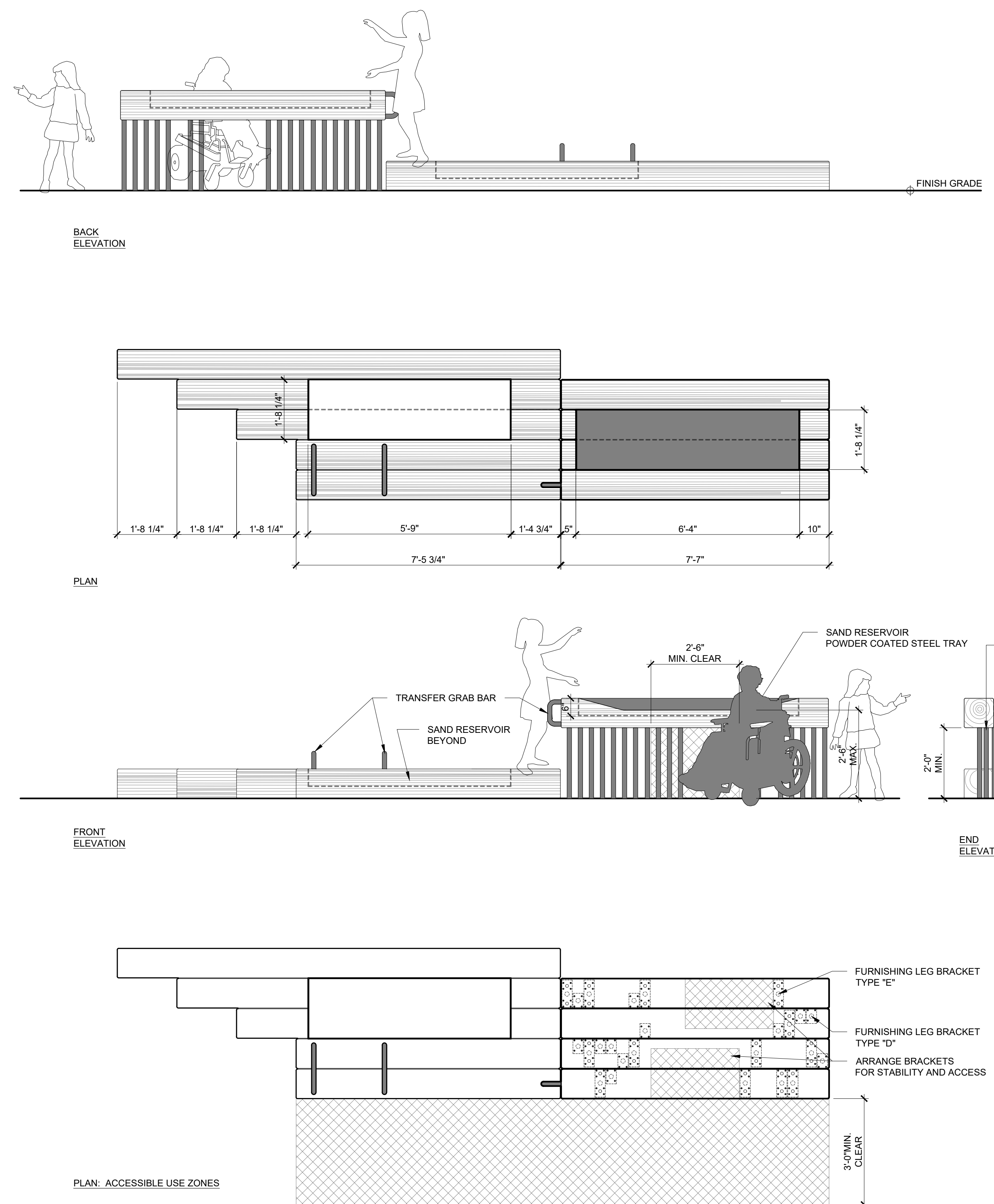
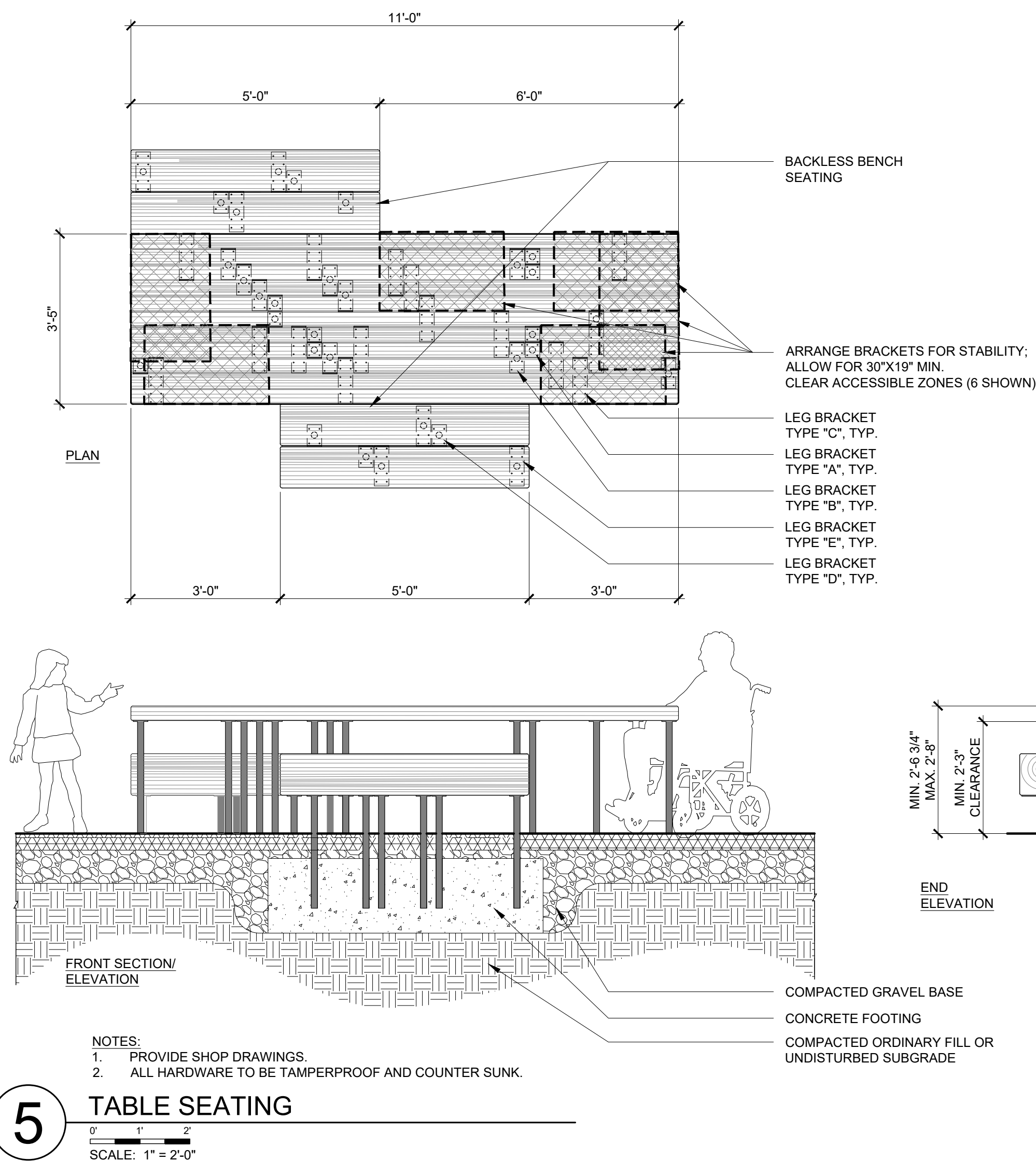
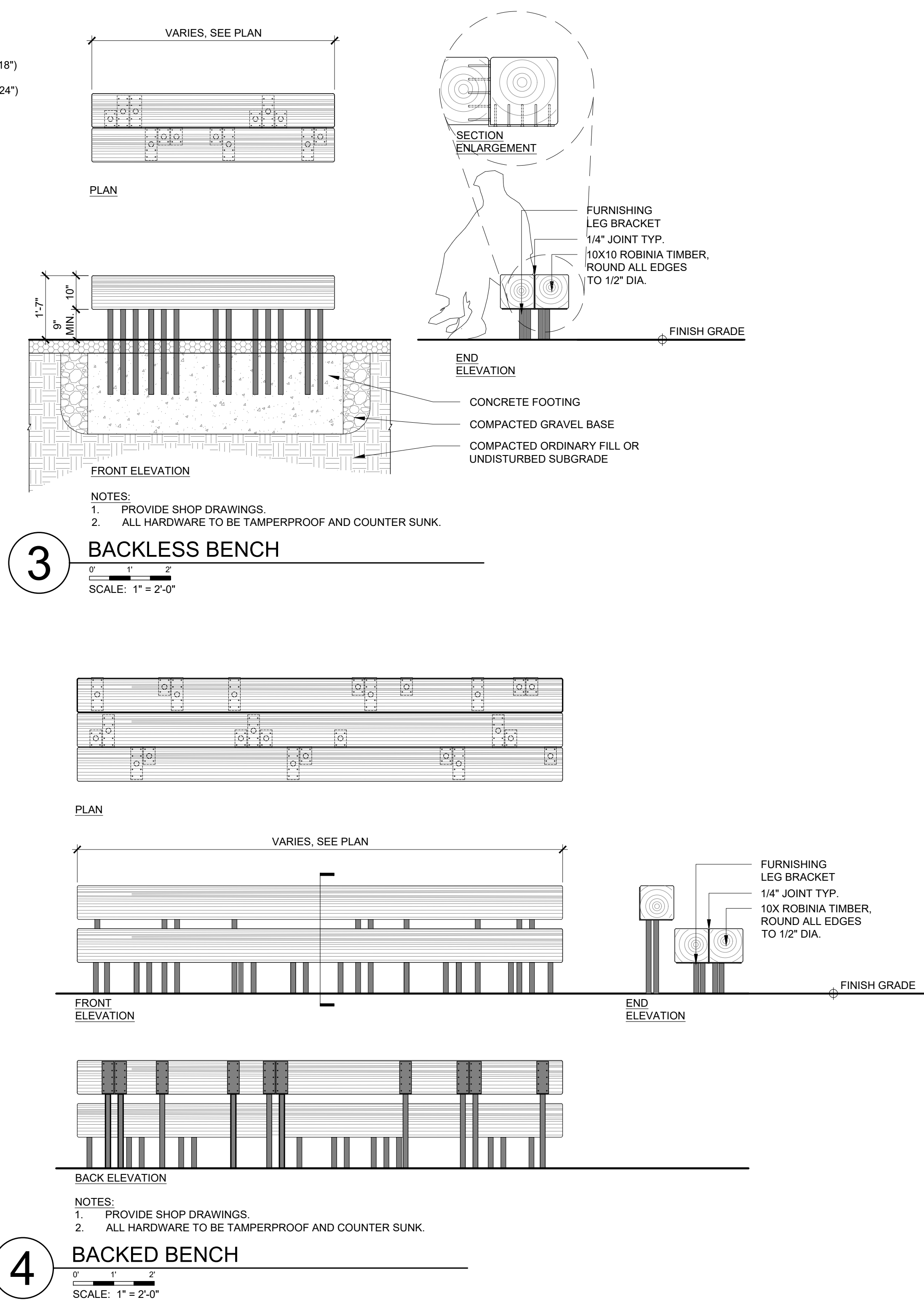
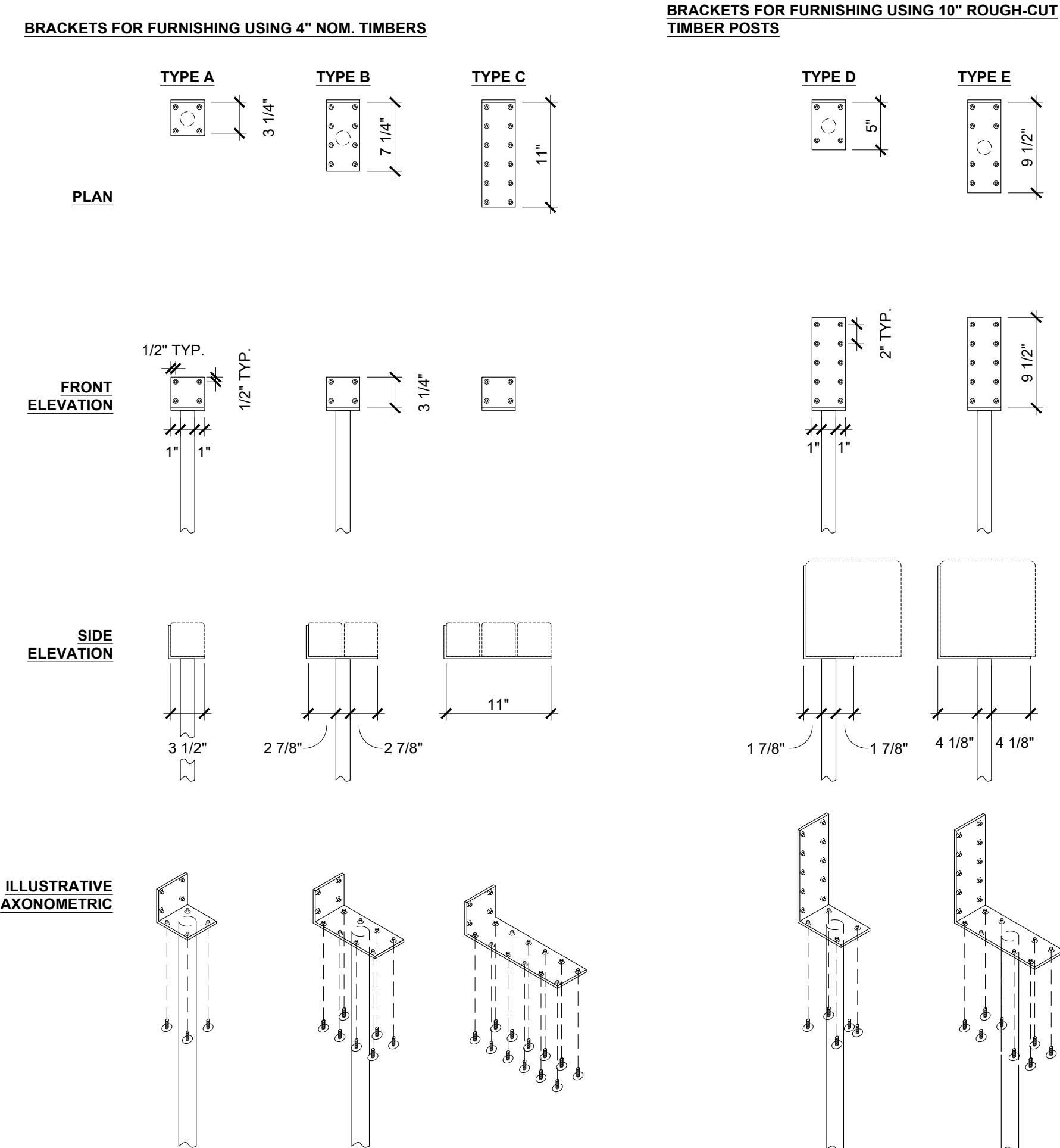
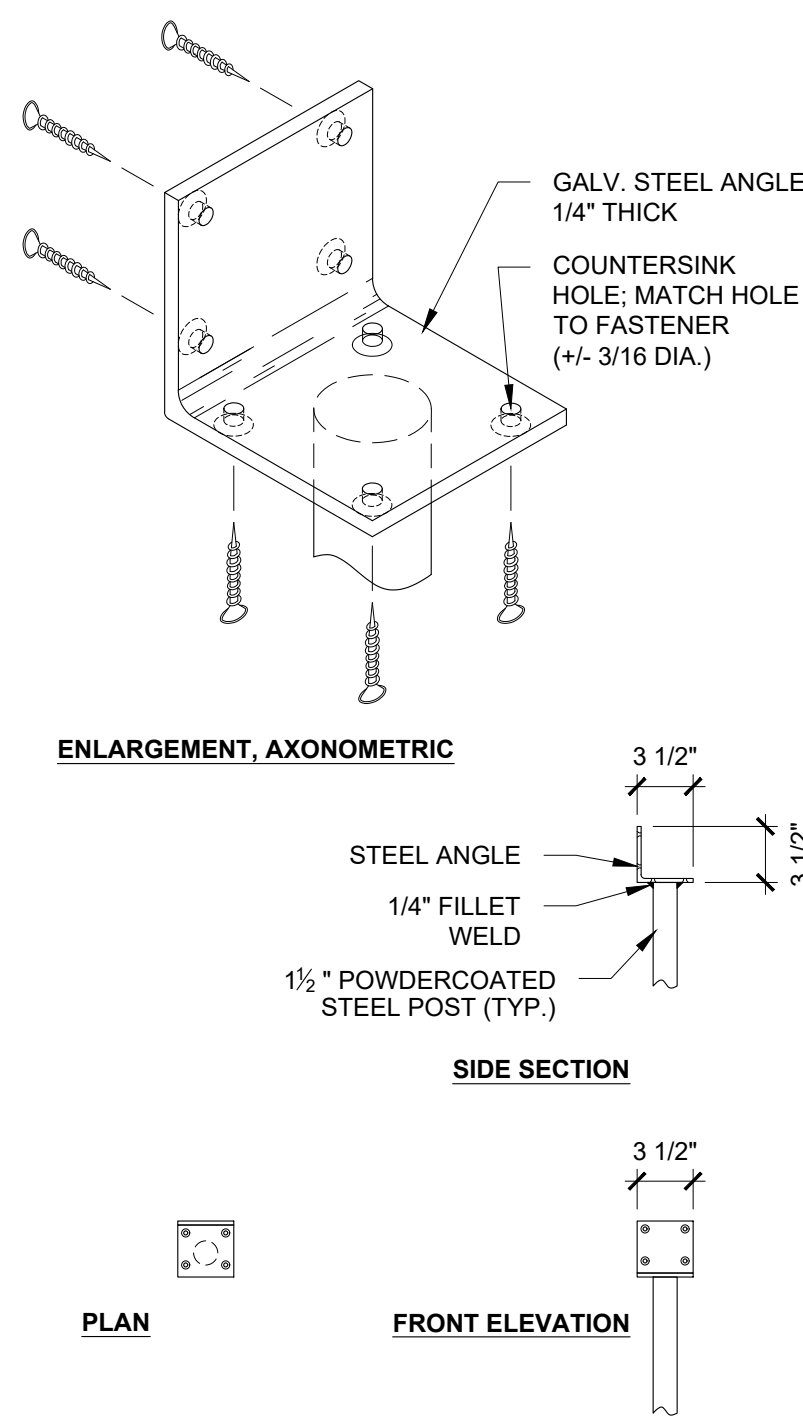
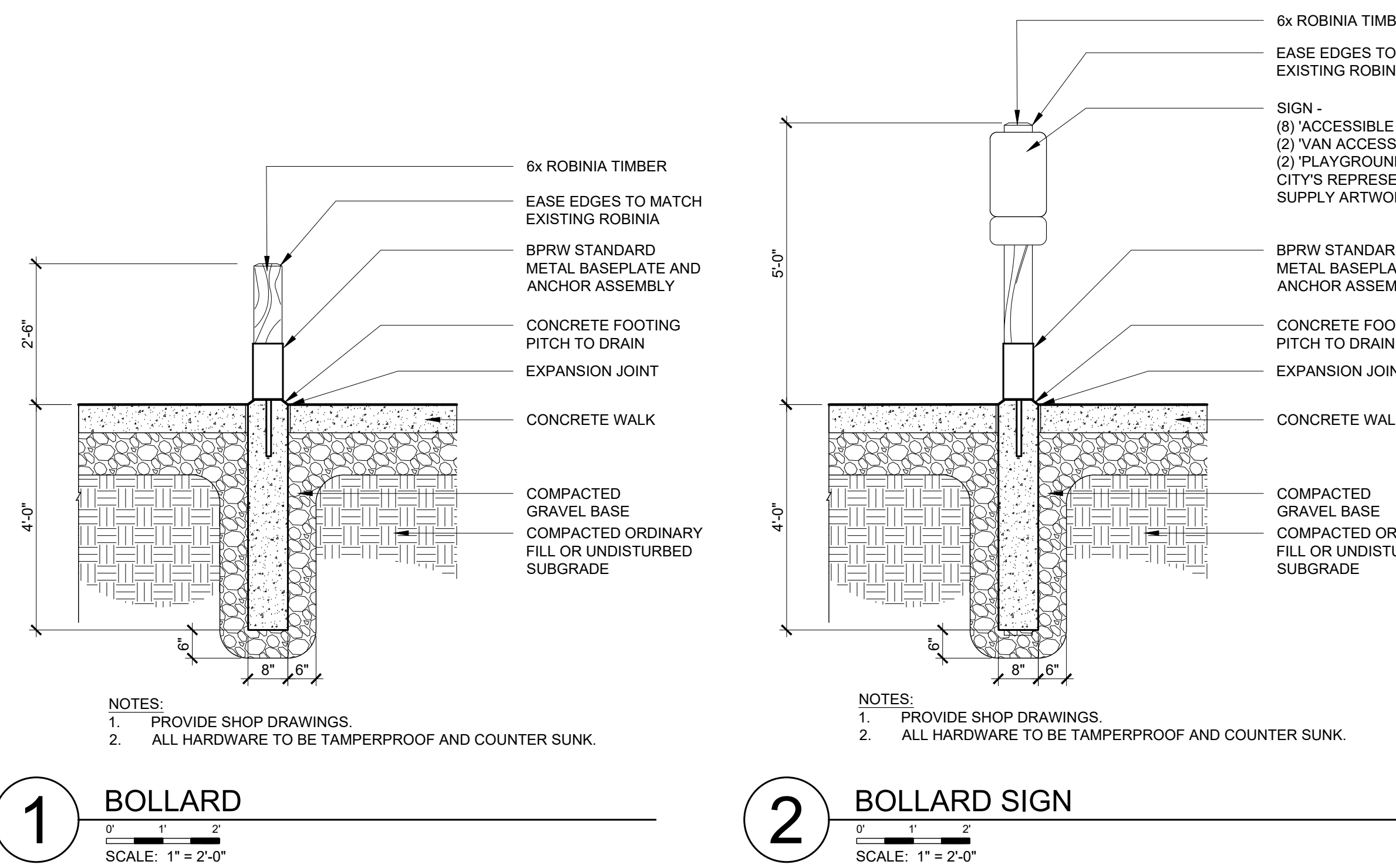
14 TREE PLANTING
SCALE: 1" = 2'-0"



15 RAIN GARDEN AND SENSORY PLANTING
SCALE: 1" = 2'-0"



16 LAWN AND LOW-MOW SEEDING
SCALE: 1" = 2'-0"



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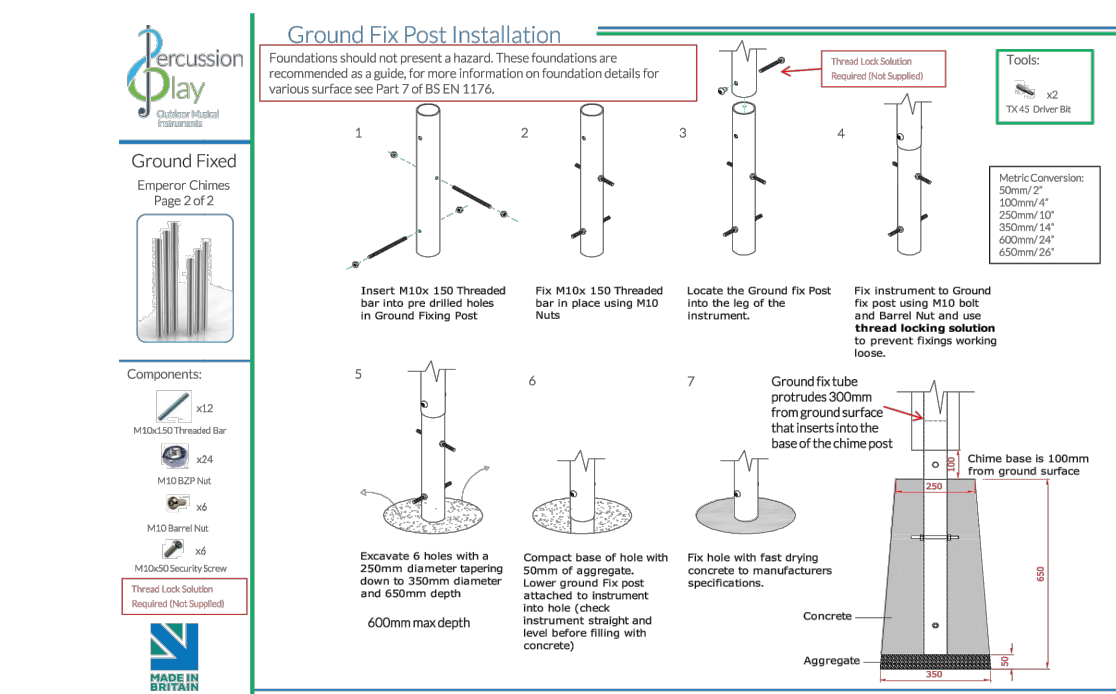


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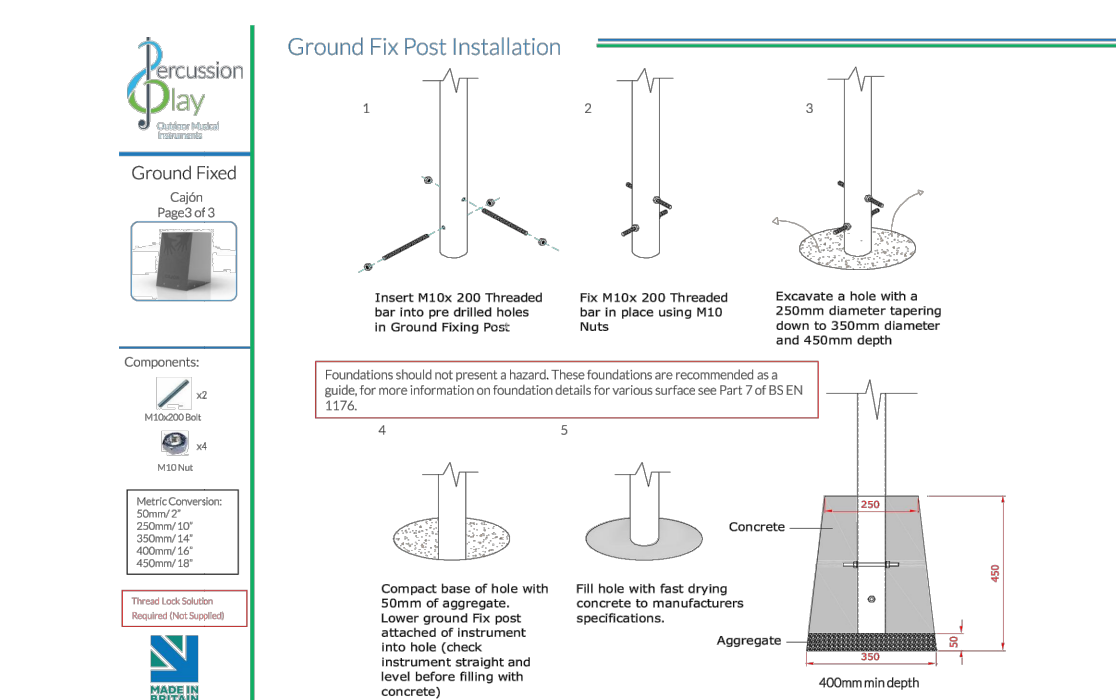
SUBMISSION		
NO.	DATE	DESCRIPTION
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DETAILS

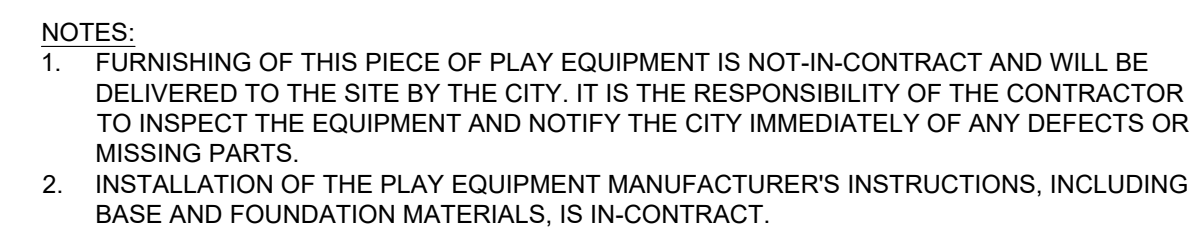
L 5-2



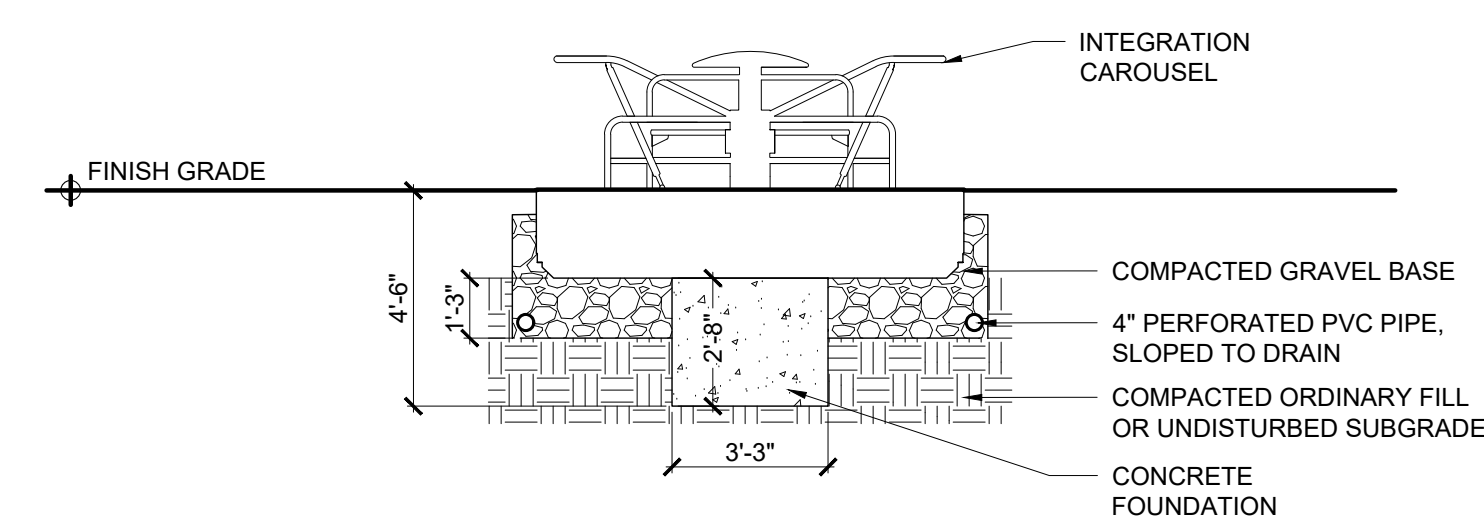
1 CHIMES
N.T.S.



2 CAJON DRUM
N.T.S.



3 TALKING TUBES



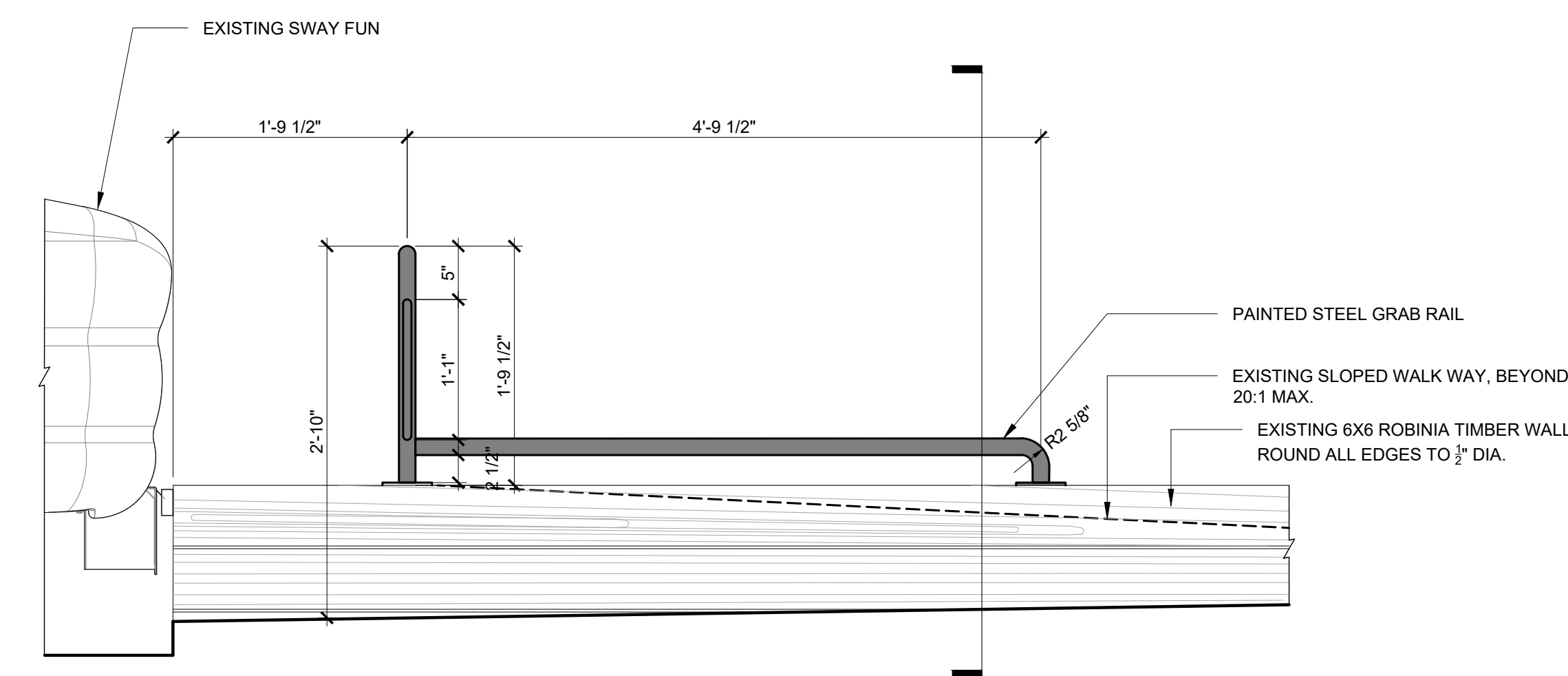
4 SPINNER

0" 2" 4"

SCALE: 1" = 400'



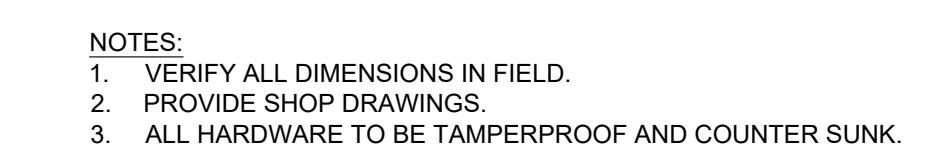
5 WHALE DRUM



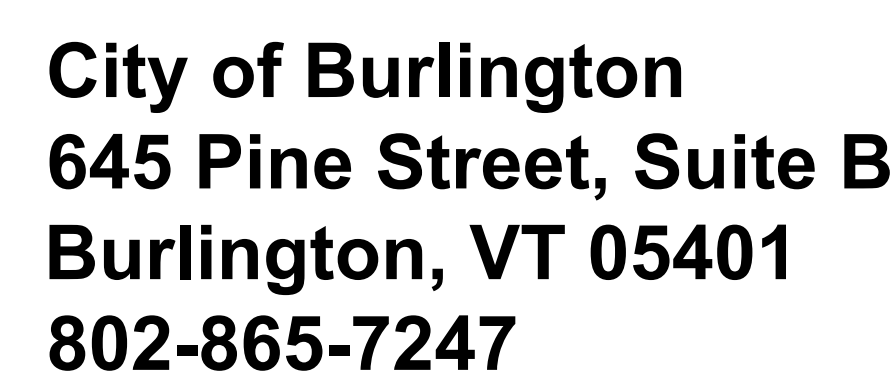
6 GRAB RAIL AT EXISTING SWAY FUN

0' 5' 10'

SCALE: 1" = 1'-0"



7 GRAB BAR AT STAGE

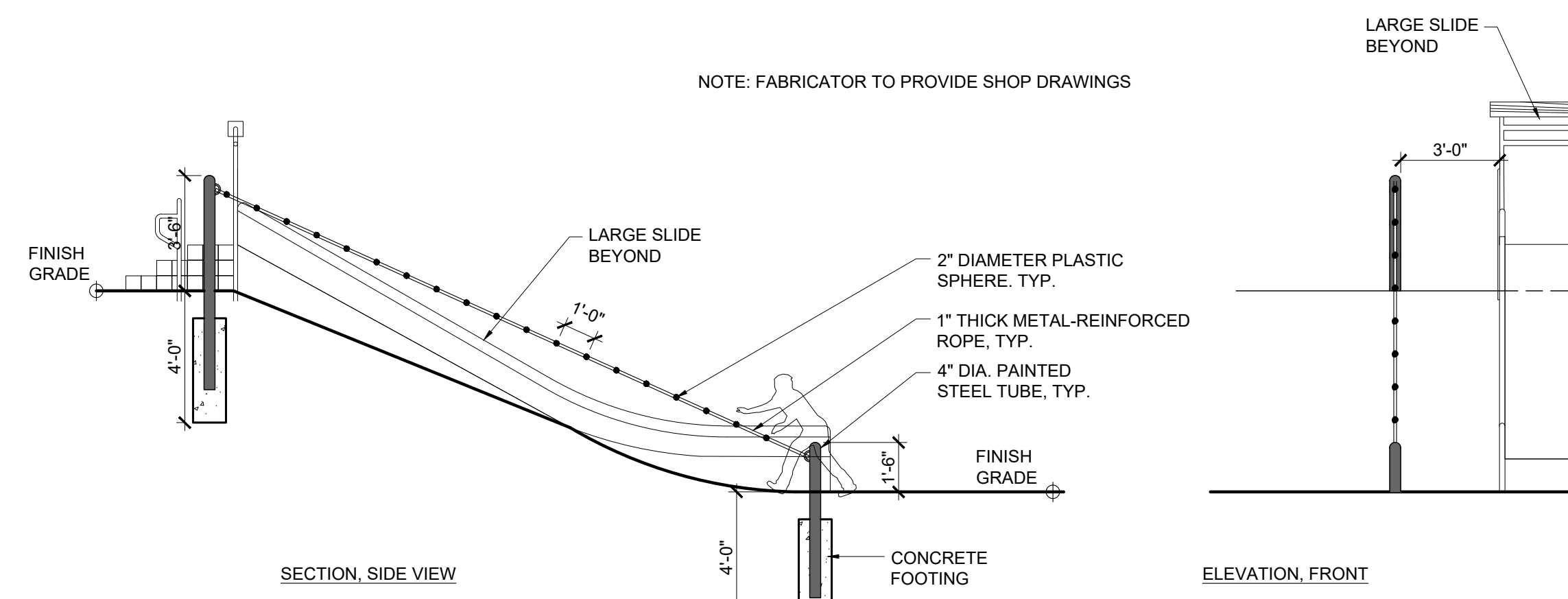


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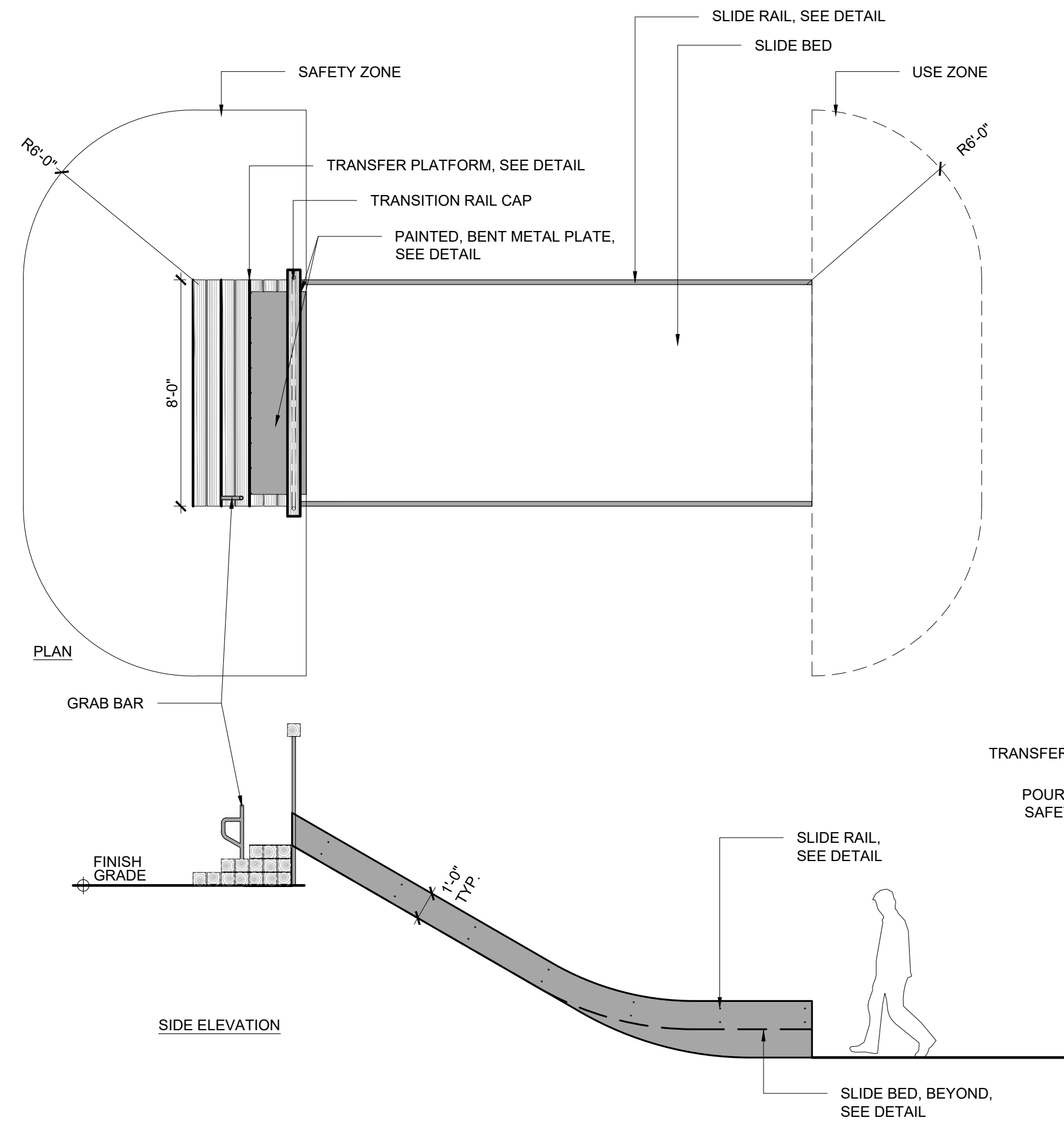


DETAILS

L 5-3

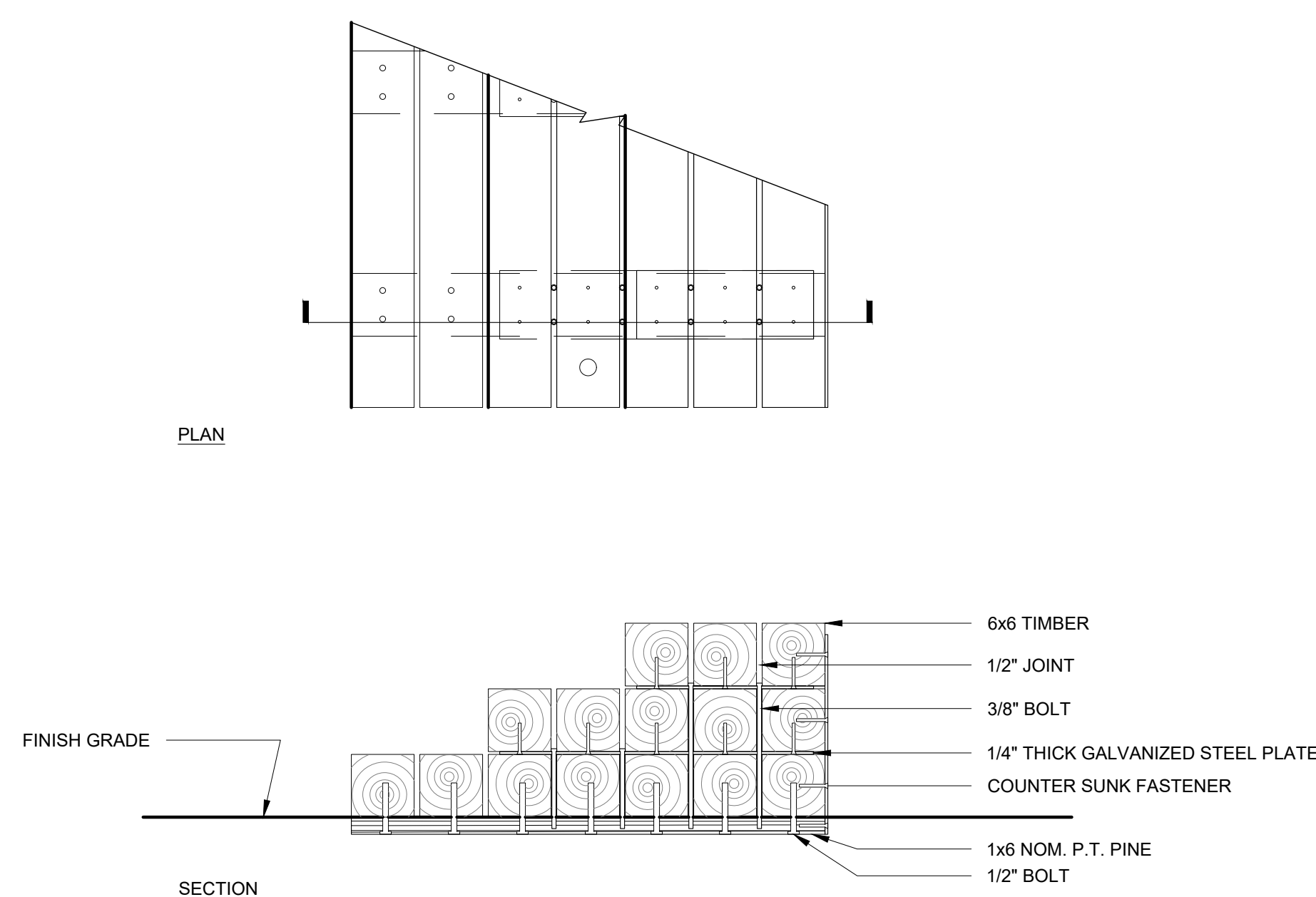


1 ROPE CLIMB
SCALE: 1" = 4'-0"

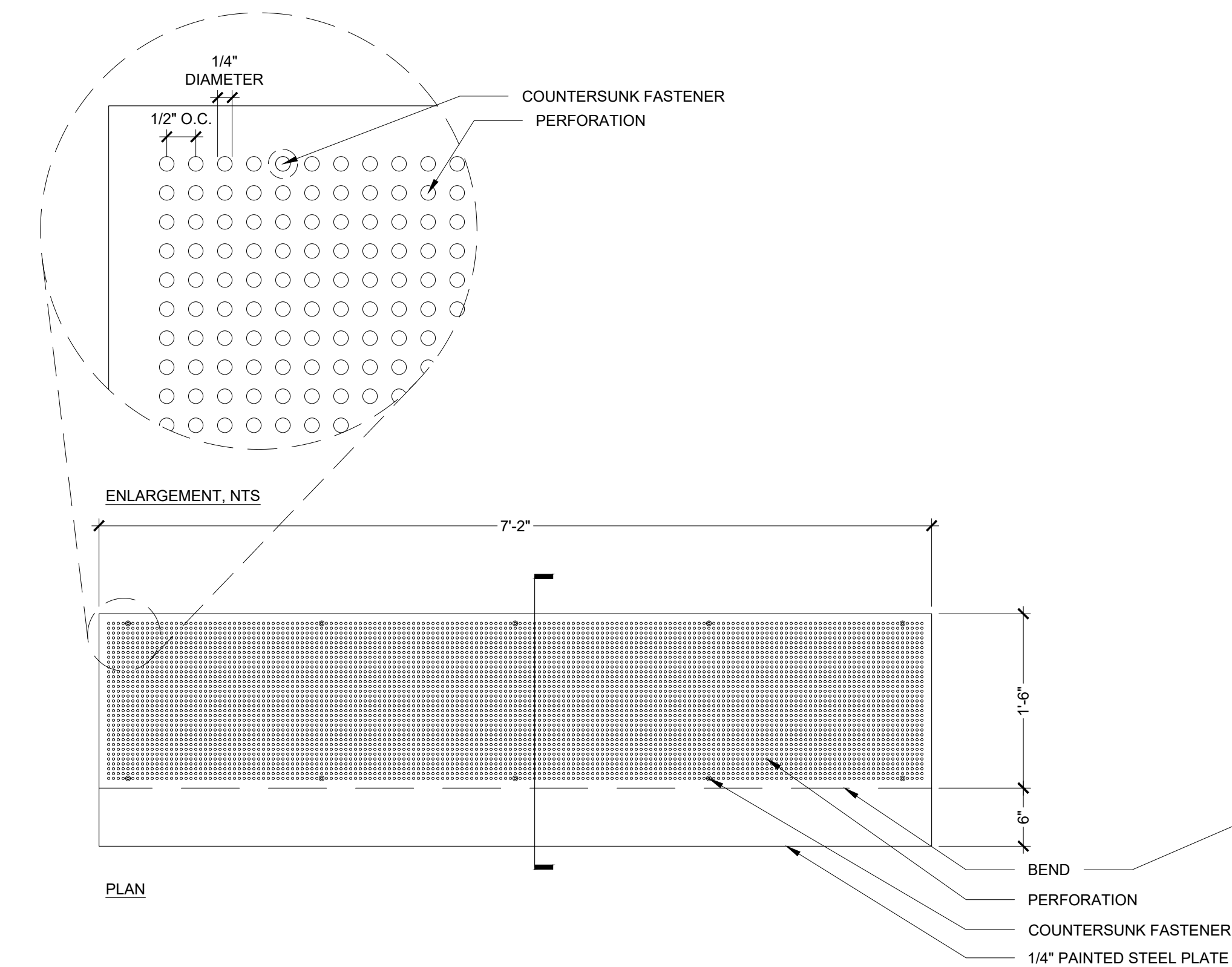
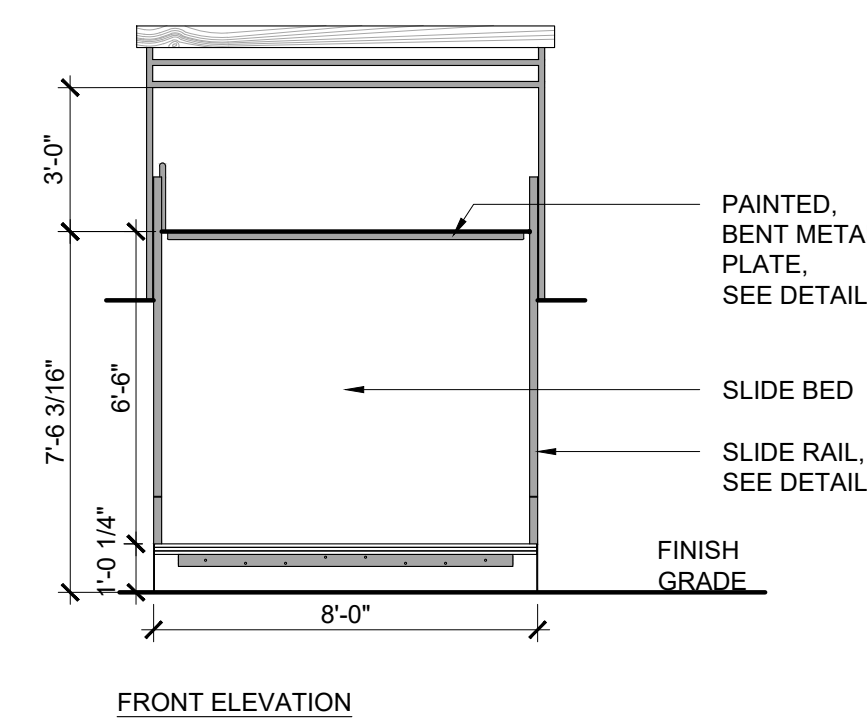
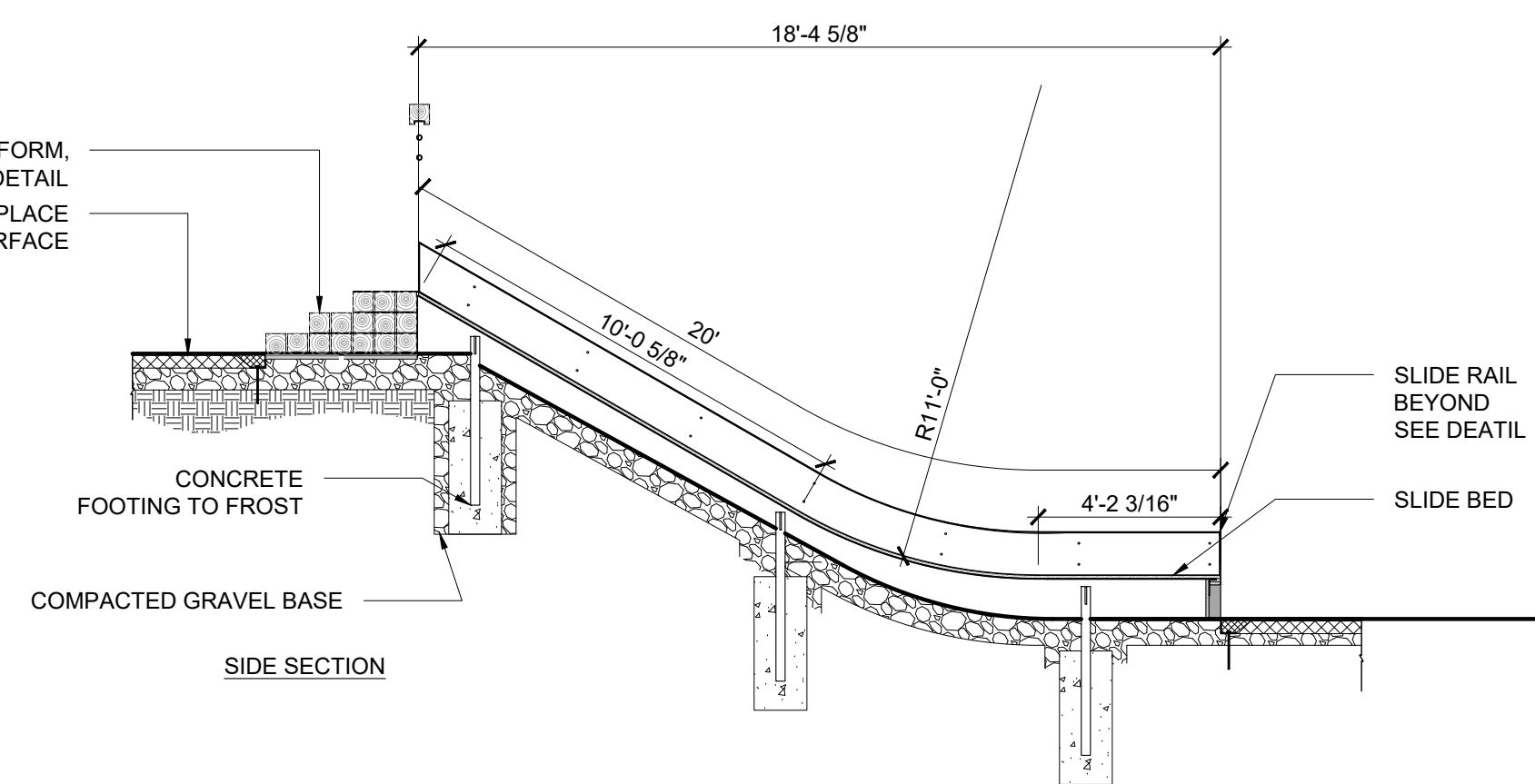
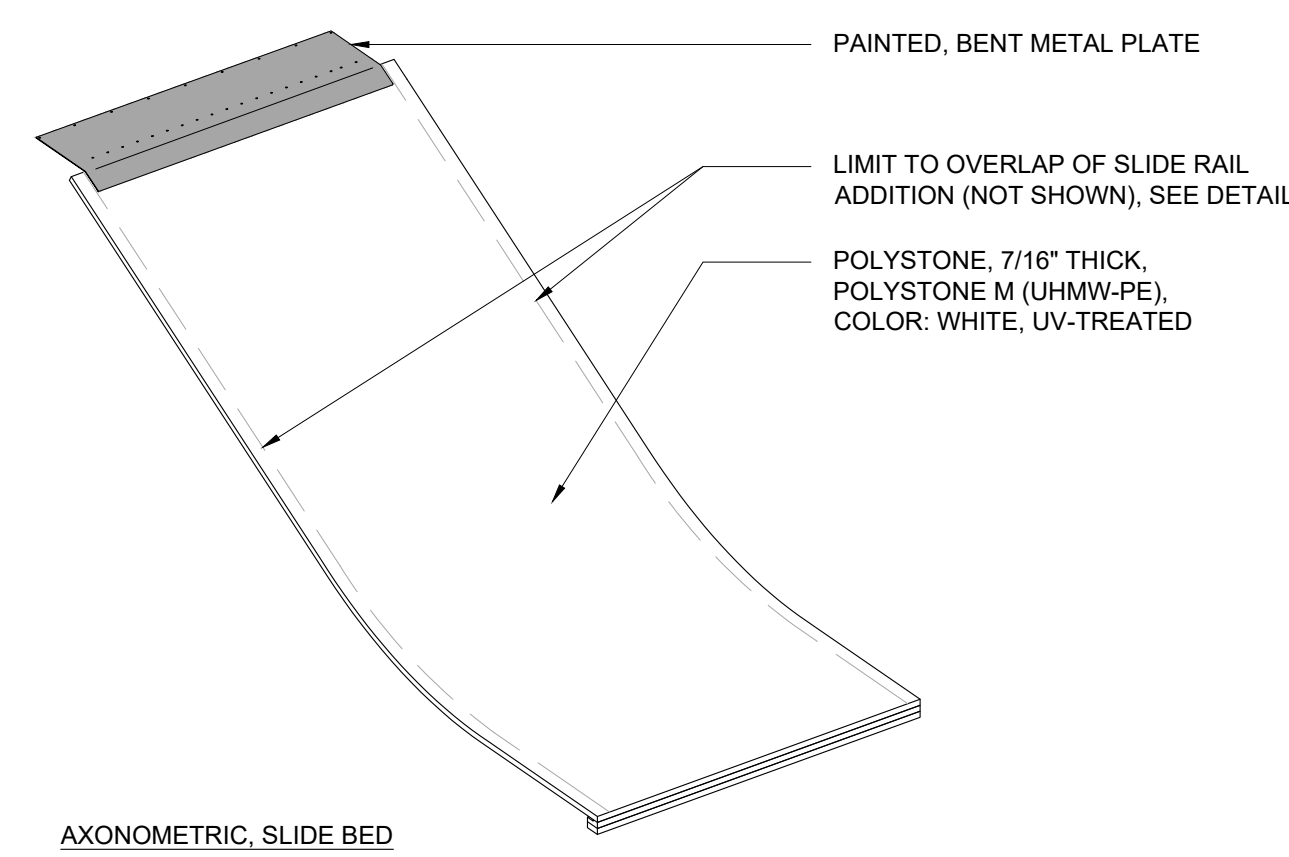


NOTES:
1. VERIFY ALL DIMENSIONS IN FIELD.
2. PROVIDE SHOP DRAWINGS.
3. ALL HARDWARE TO BE TAMPER-PROOF AND COUNTER SUNK.

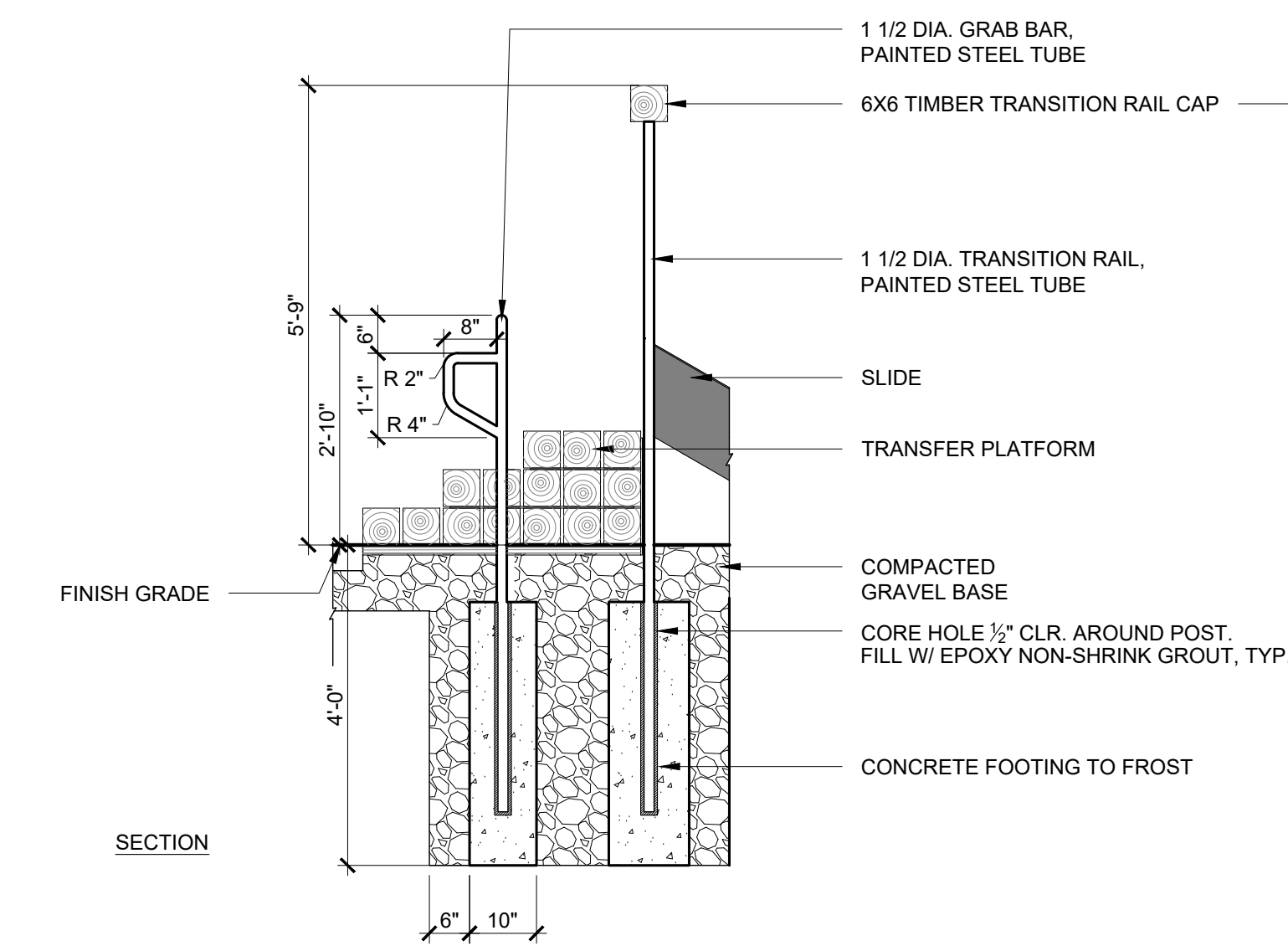
2 EMBANKMENT SLIDE
SCALE: 1" = 4'-0"



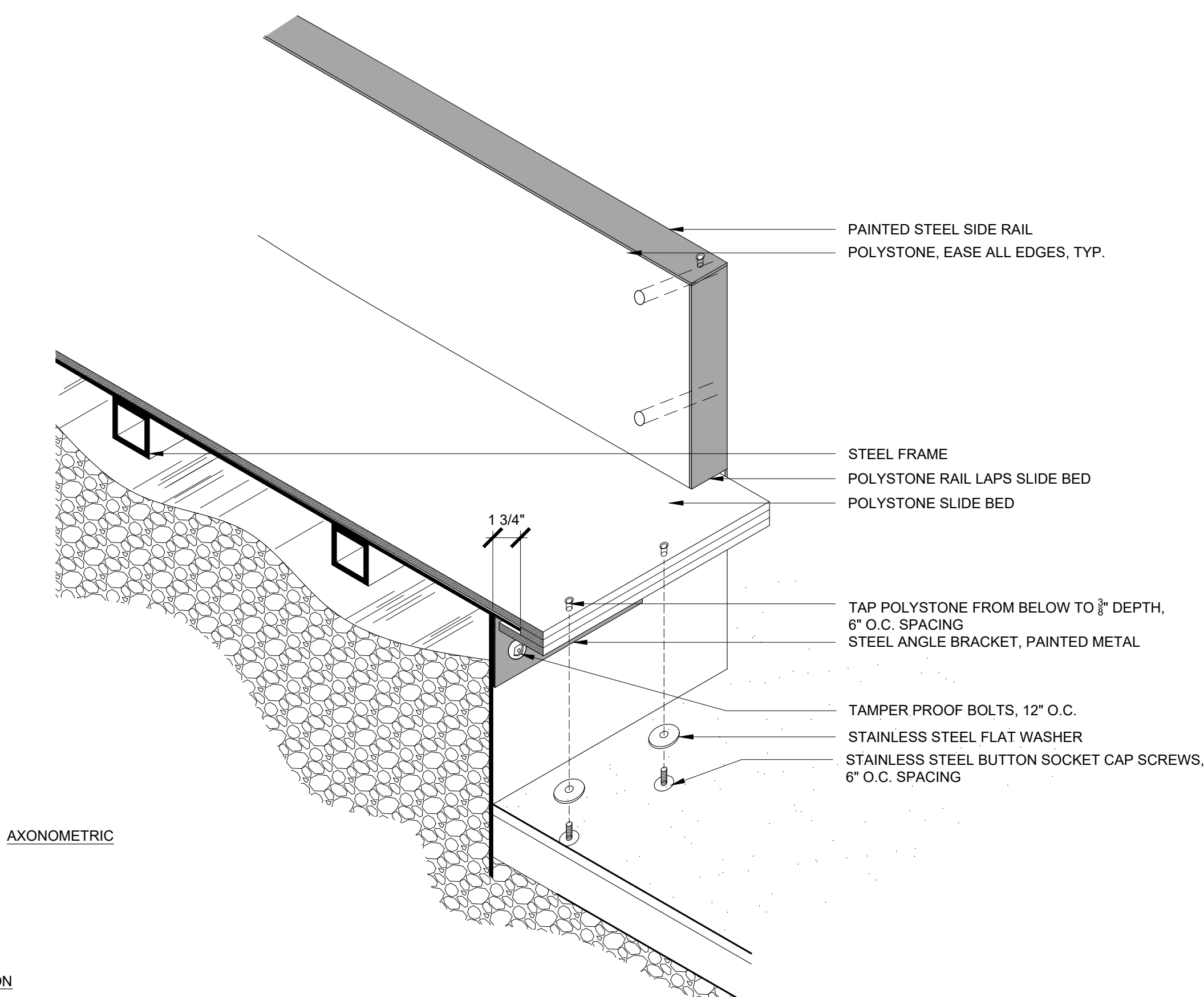
4 EMBANKMENT SLIDE -- PLATFORM ENLARGEMENTS
N.T.S.



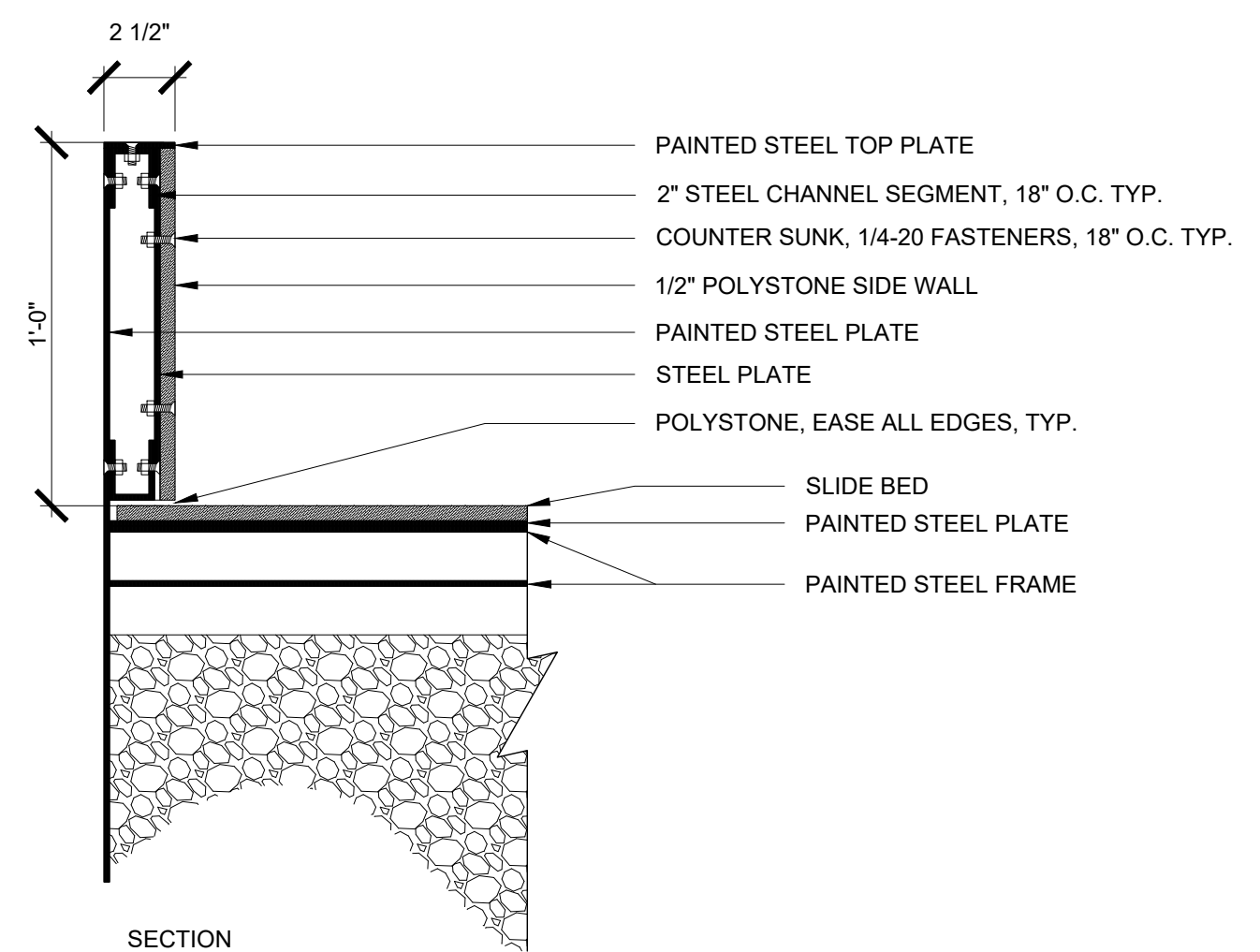
5 EMBANKMENT SLIDE -- PLATE ENLARGEMENTS
N.T.S.

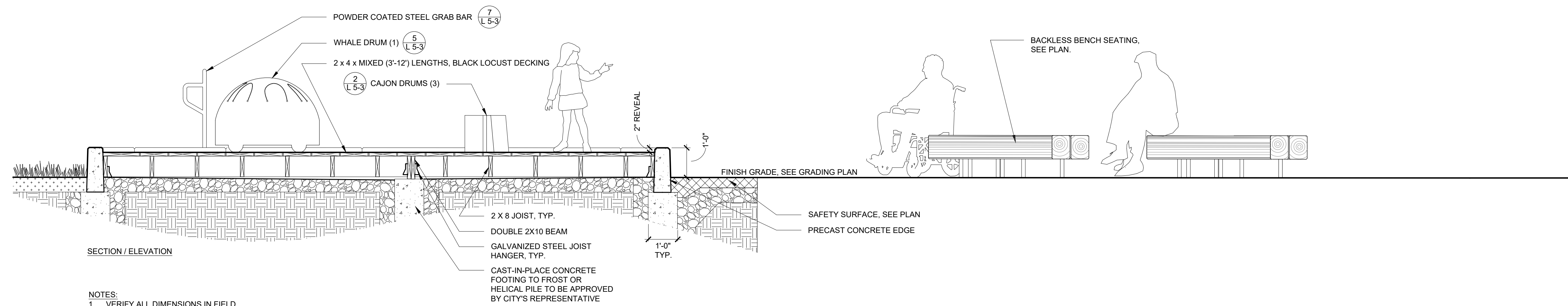
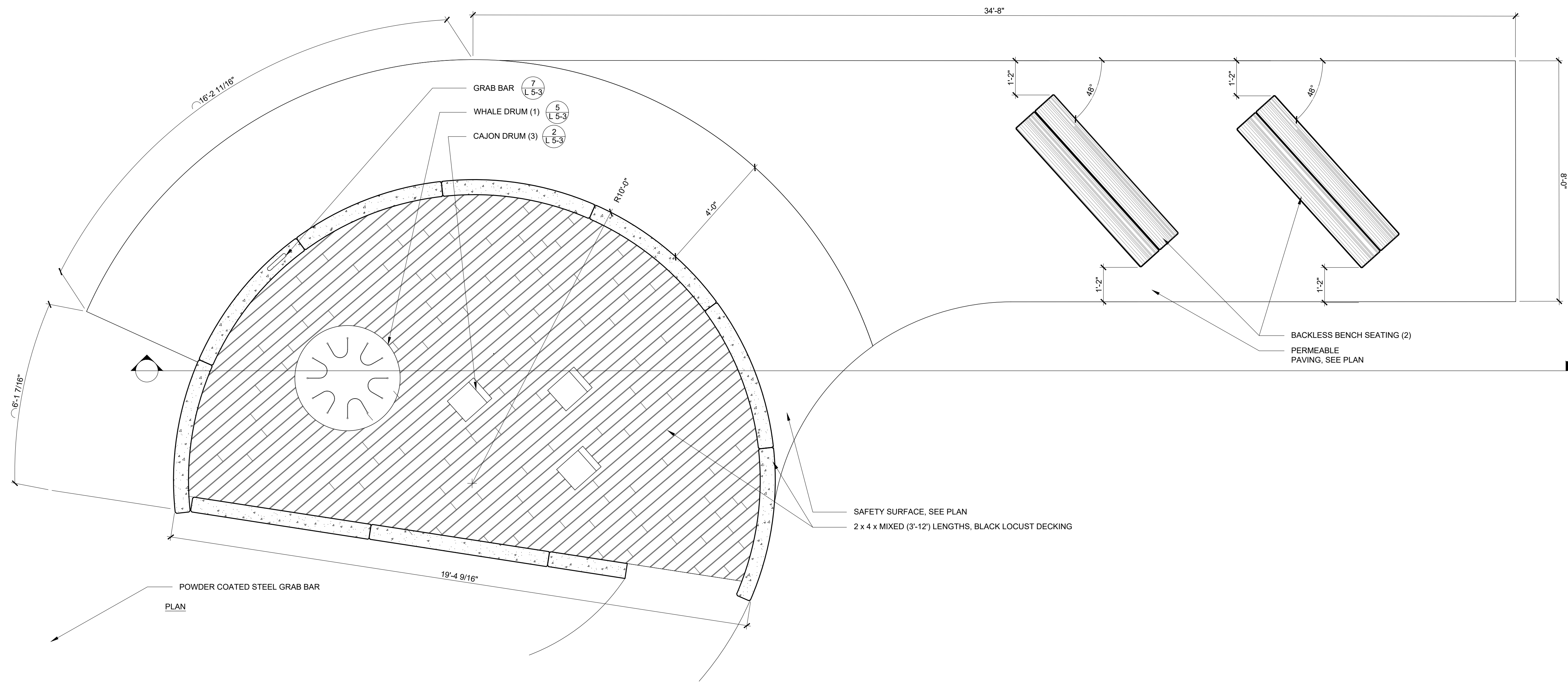
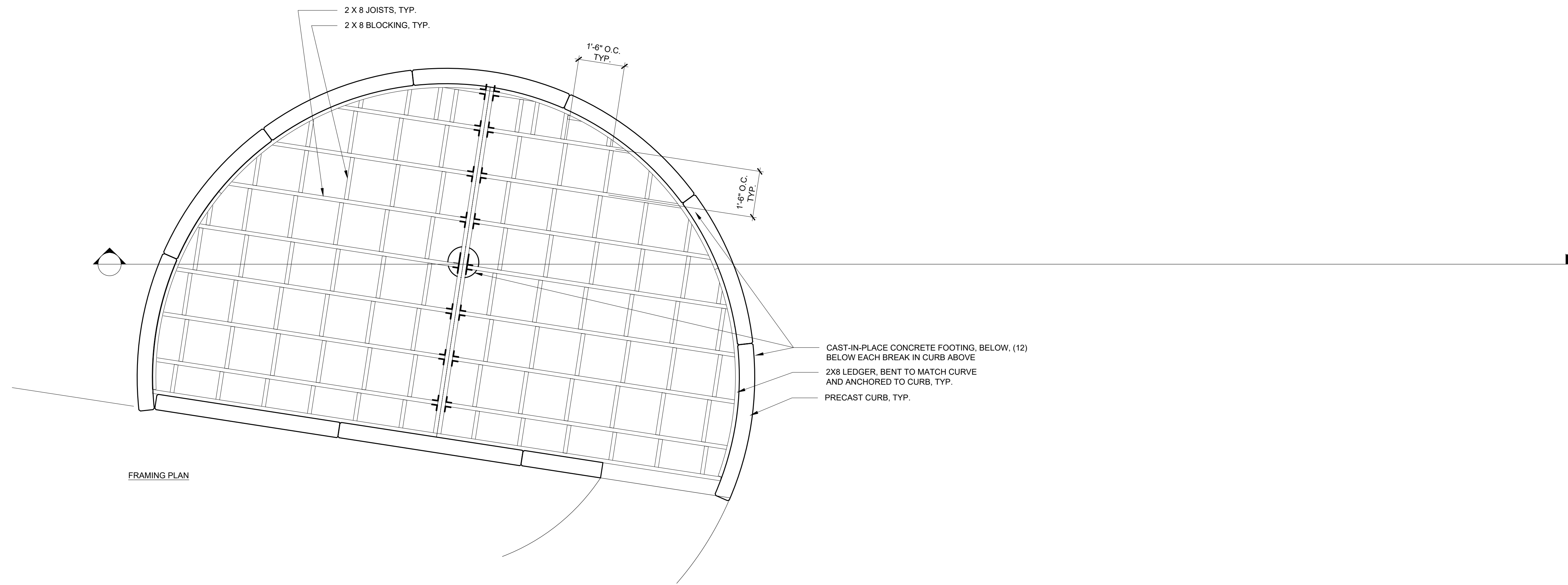


3 EMBANKMENT SLIDE -- ENTRY ENLARGEMENTS
N.T.S.



6 EMBANKMENT SLIDE -- SIDE & EXIT ENLARGEMENTS
N.T.S.





- NOTES:
1. VERIFY ALL DIMENSIONS IN FIELD.
 2. USE FLATHEAD, SQUARE DRIVE, TYPE 17 AUGER POINT, STAINLESS STEEL SCREWS, NO. 8, OR APPROVED EQUAL, COORDINATE LENGTH TO APPLICATION.
 3. USE PILOT HOLES. ALL HARDWARE TO BE TAMPERPROOF AND COUNTER SUNK.

1 STAGE
0' 1' 2'
SCALE: 1\"/>



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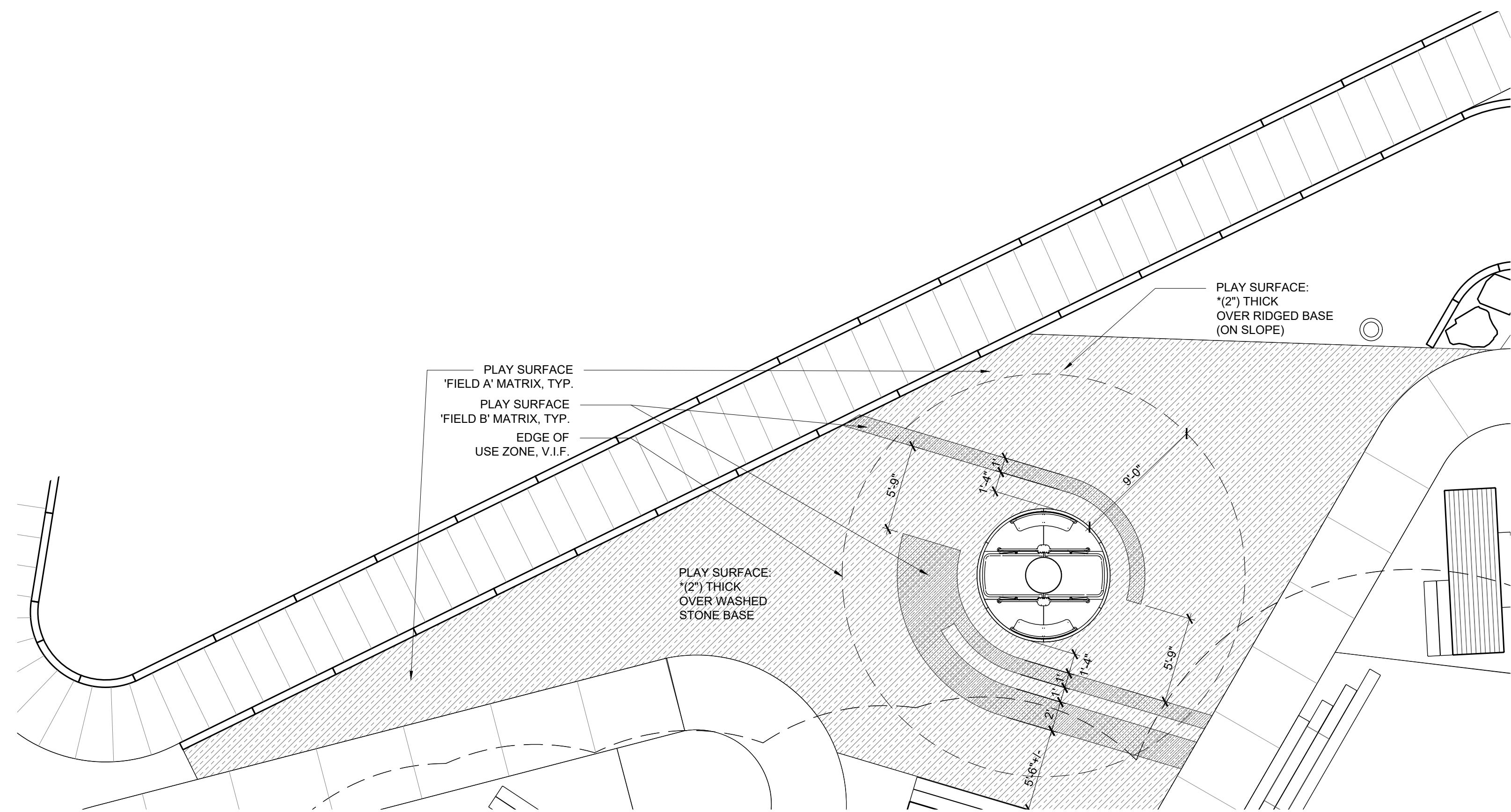


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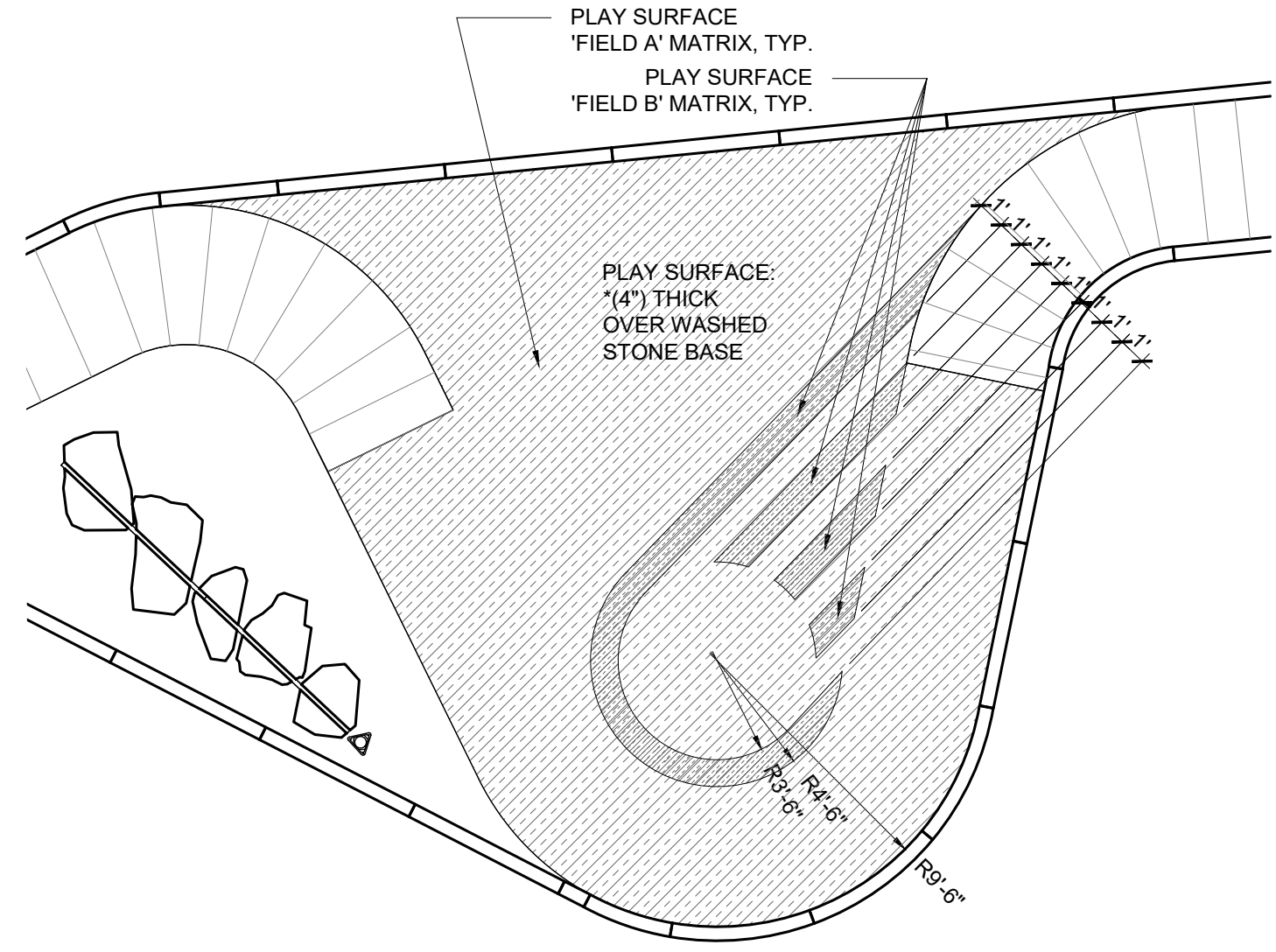
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NO.	DATE	DESCRIPTION
1	04-08-2022	BID DRAWINGS

DETAILS

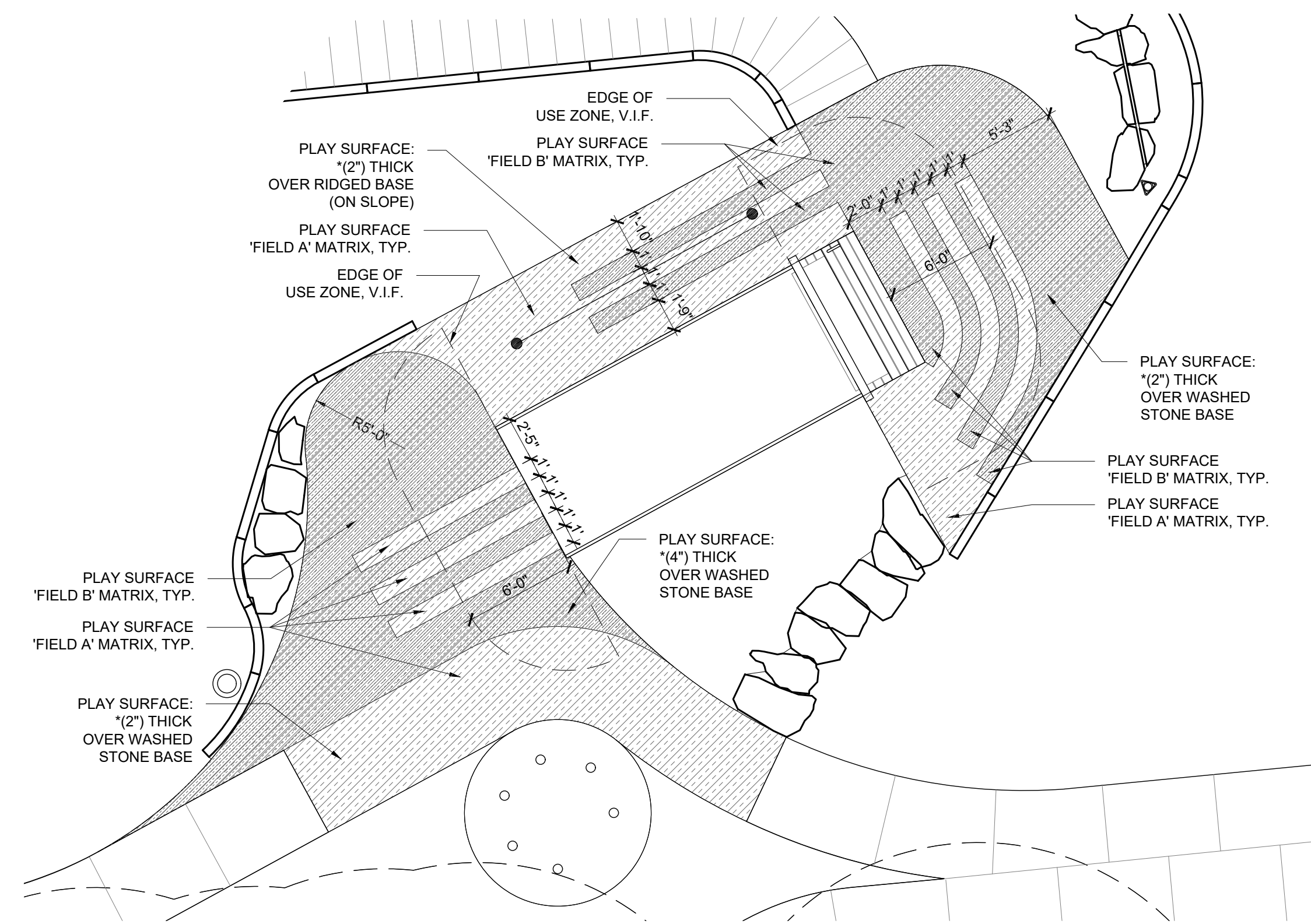
L 5-5



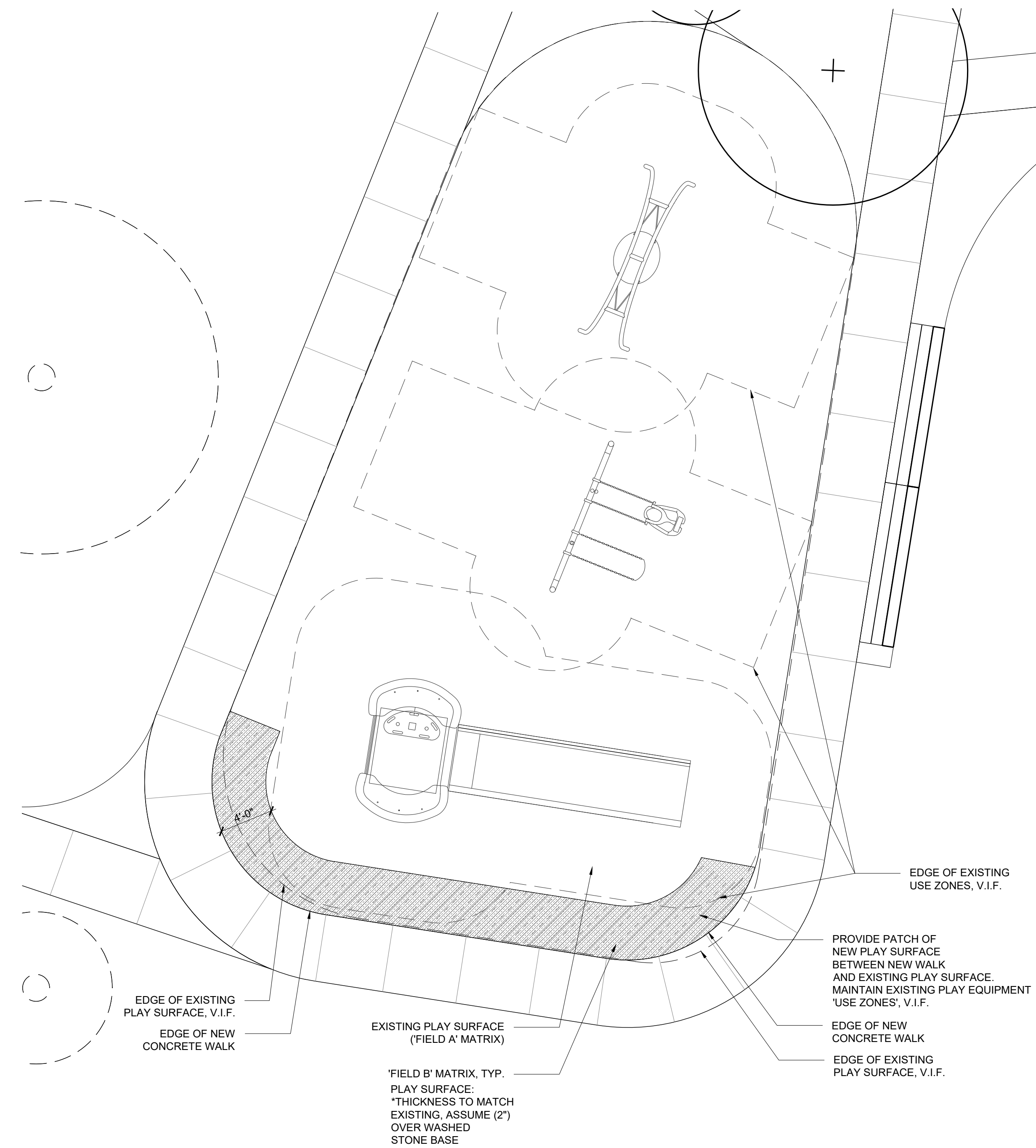
1 PLAY SURFACE LAYOUT — SPINNER



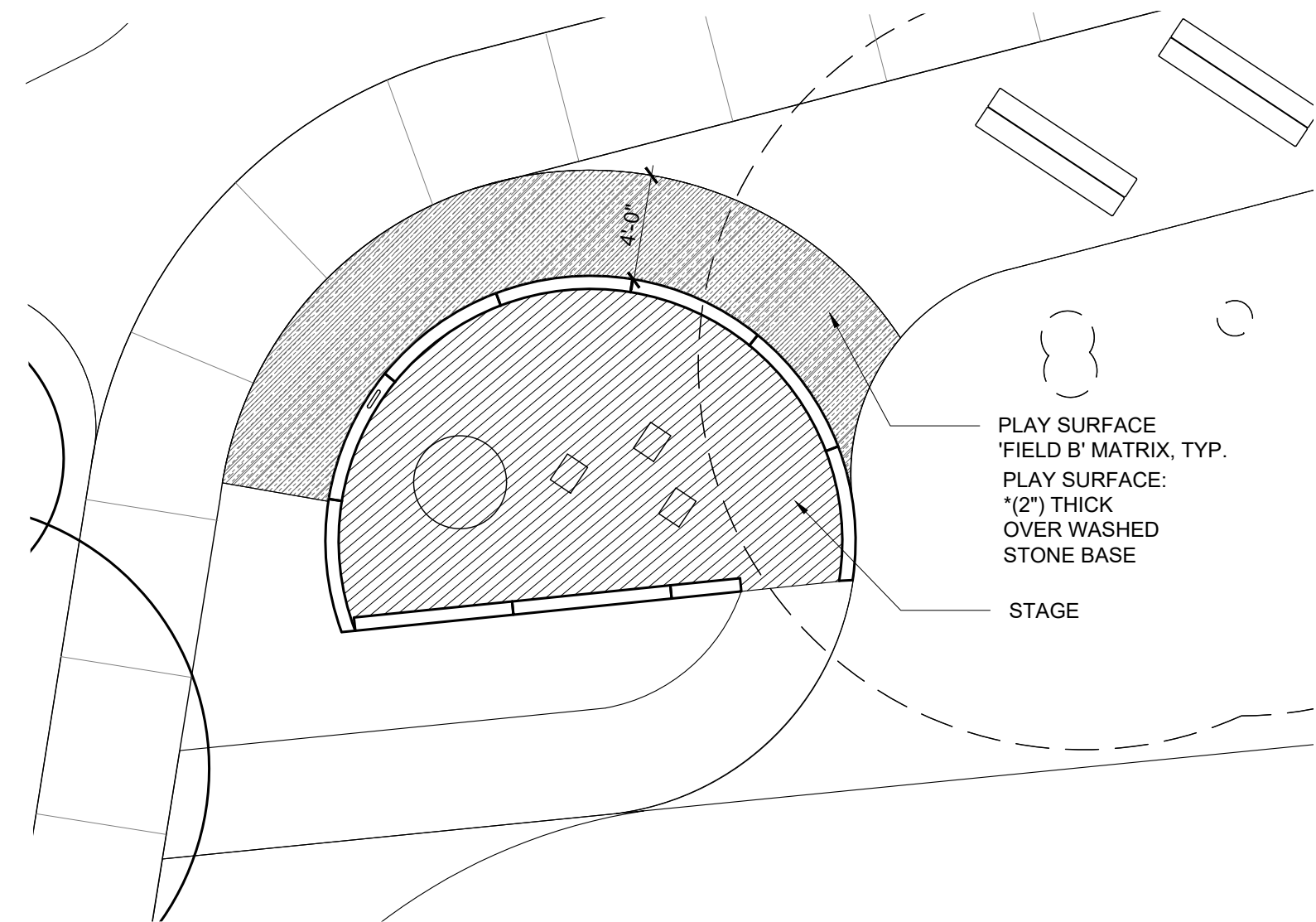
2 PLAY SURFACE LAYOUT — LANDING



3 PLAY SURFACE LAYOUT — EMBANKMENT SLIDE



4 PLAY SURFACE LAYOUT — EXISTING SWING AREA



5 PLAY SURFACE LAYOUT — BELOW STAGE

- NOTES**
1. VERIFY CRITICAL FALL HEIGHTS AND USE ZONES WITH MANUFACTURER OF EACH PIECE OF PLAY EQUIPMENT.
 2. INSTALL PROTECTIVE PLAY SURFACING THICKNESS REQUIRED BY CRITICAL FALL HEIGHTS AND IN ACCORDANCE WITH ASTM AND CPSC. PLAY SURFACE THICKNESSES SHOWN ON PLAN ARE FOR PROVIDED FOR REFERENCE.
 3. PLAY SURFACE PATTERN LAYOUT TO BE APPROVED BY THE LANDSCAPE ARCHITECT PRIOR TO INSTALLATION.

LEGEND

	'FIELD A' MATRIX - SEE SPECIFICATION
	'FIELD B' MATRIX - SEE SPECIFICATION



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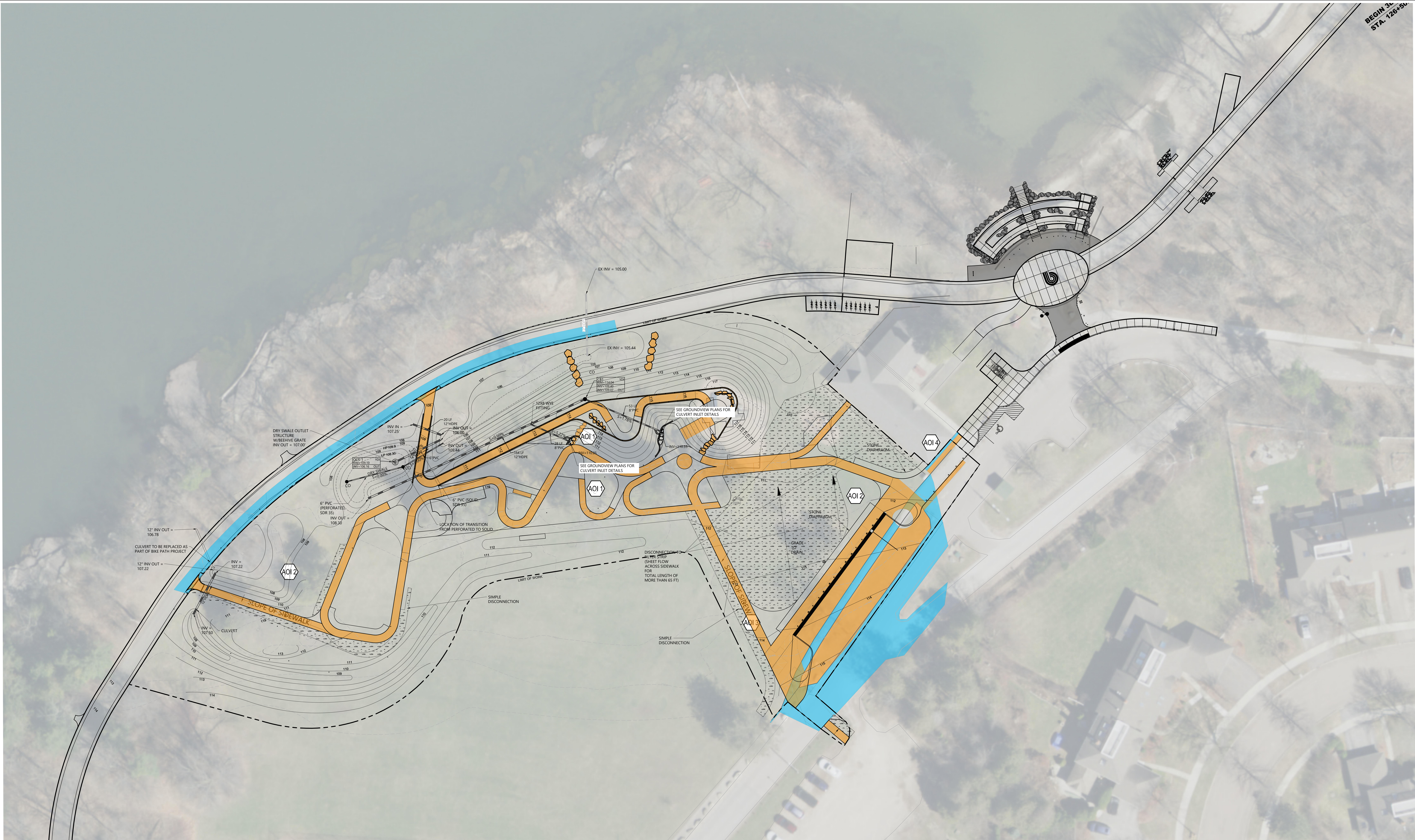


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PLAY SURFACE LAYOUT

L 5-6



- NOTES
1. ALL WORK SHALL BE IN ACCORDANCE WITH VERMONT AGENCY OF TRANSPORTATION 2018 STANDARD SPECIFICATIONS FOR CONSTRUCTION.
 2. EXISTING TOPOGRAPHY SHOWN IN THIS PLAN WAS PROVIDED BY GROUNDVIEW LANDSCAPE ARCHITECTS.
 3. WORK SHALL CONFORM WITH THE PROJECT SPECIFIC AUTHORIZATION OF THE CONSTRUCTION GENERAL PERMIT (3-9020)(7213-9020.5).
 4. WORK SHALL CONFORM WITH THE VERMONT DEPARTMENT OF ENVIRONMENTAL CONSERVATION AUTHORIZATION 7213-9050 TO DISCHARGE UNDER GENERAL PERMIT 3-9050.
 5. NOTIFY VHB OF ANY EXISTING CONDITIONS WHICH DEVIATE FROM OR PROPOSED CONDITIONS WHICH DEVIATE FROM THE INFORMATION THAT IS SHOWN.
 6. PRIOR TO STARTING ANY OTHER WORK ON THE SITE, THE CONTRACTOR SHALL NOTIFY APPROPRIATE AGENCIES AND SHALL INSTALL EROSION CONTROL MEASURES AS SHOWN ON THE PLANS AND AS IDENTIFIED ON THE CONSTRUCTION DOCUMENTS AND IN THE DEC GENERAL OR INDIVIDUAL PERMIT FOR CONSTRUCTION.
 7. CONTRACTOR SHALL NOTIFY "DIG SAFE" (1-888-344-7233) AT LEAST 72 HOURS BEFORE EXCAVATING.
 8. IN THE EVENT THAT SUSPECTED CONTAMINATED SOIL, GROUNDWATER, AND OTHER MEDIA ARE ENCOUNTERED DURING EXCAVATION AND CONSTRUCTION ACTIVITIES BASED ON VISUAL, OLFATORY, OR OTHER EVIDENCE, THE CONTRACTOR SHALL STOP WORK IN THE VICINITY OF THE SUSPECT MATERIAL TO AVOID FURTHER SPREADING OF THE MATERIAL, AND SHALL NOTIFY THE OWNER IMMEDIATELY SO THAT THE APPROPRIATE TESTING AND SUBSEQUENT ACTION CAN BE TAKEN.
 9. COORDINATE ALL WORK WITH LANDSCAPE DRAWINGS BY GROUNDVIEW.

HATCH LEGEND

NEW IMPERVIOUS

EXISTING IMPERVIOUS

AOI

AREA OF INTEREST

AREA TAKEOFF				
AREA OF INTEREST	NEW IMPERVIOUS	EXISTING IMPERVIOUS TO REMAIN	SIMPLE DISCONNECTION OR FILTER STRIP IMPERVIOUS	DRAINAGE AREA
	ACRES	ACRES	ACRES	ACRES
AOI 1	0.104	0.023	ALL TO BMP	0.599
AOI 2	0.119	0.143	0.30	1.004
AOI 3	0.023	0.005	0.03	0.058
AOI 4	0.002	0.001	SITE BALANCED	0.004
TOTAL	0.288	0.172		1.574



0 10 20 40 Feet



BURLINGTON
**PARKS
RECREATION
WATERFRONT**

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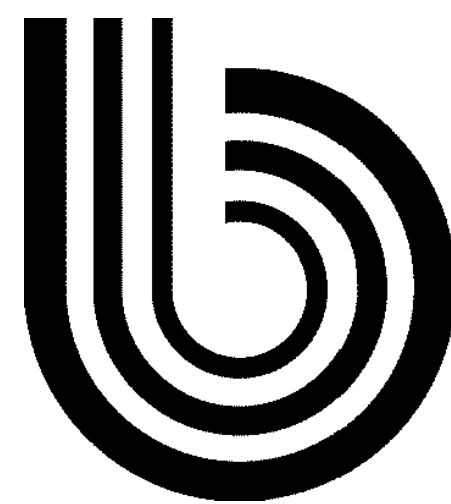
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Suite 200
South Burlington, VT 05403
www.vhb.com

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STORMWATER
LAYOUT

C1.02

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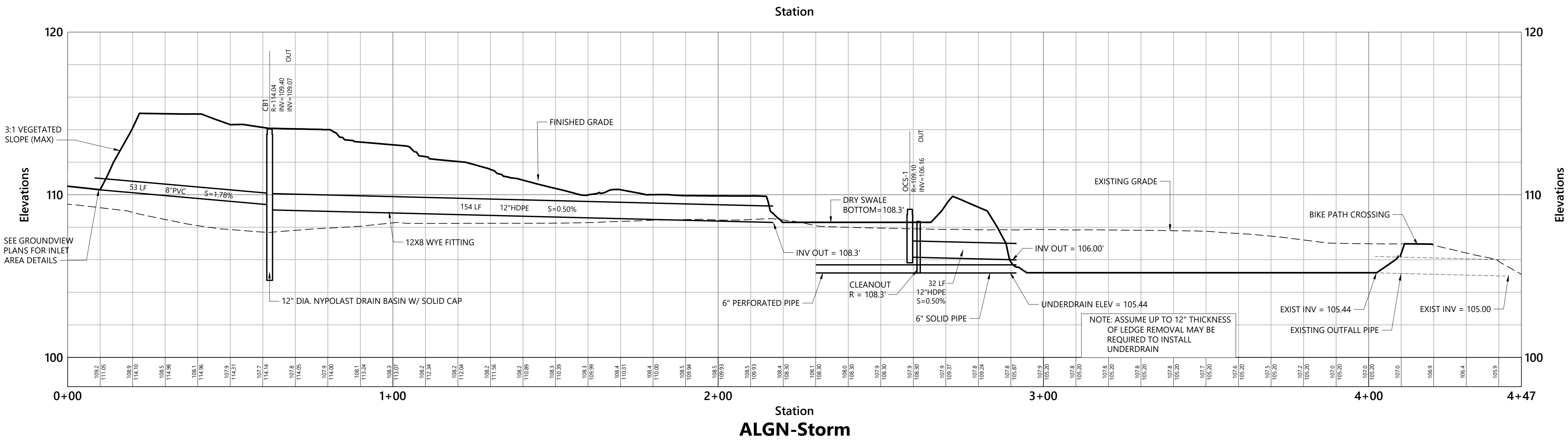


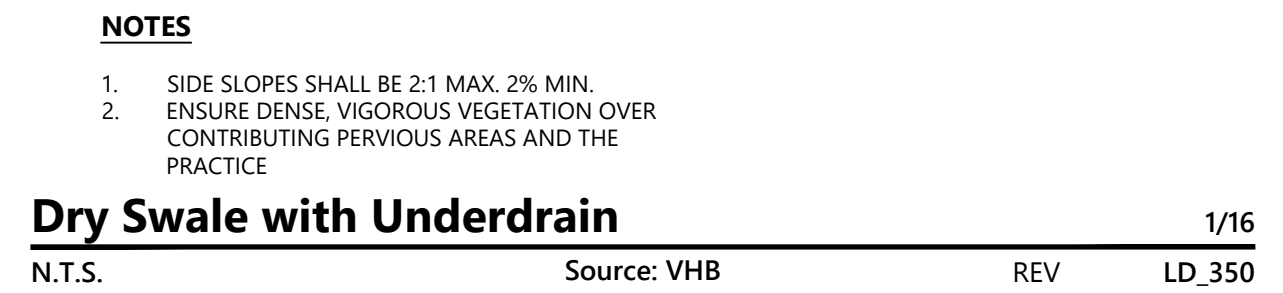
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1	04-08-2022	BID DRAWINGS

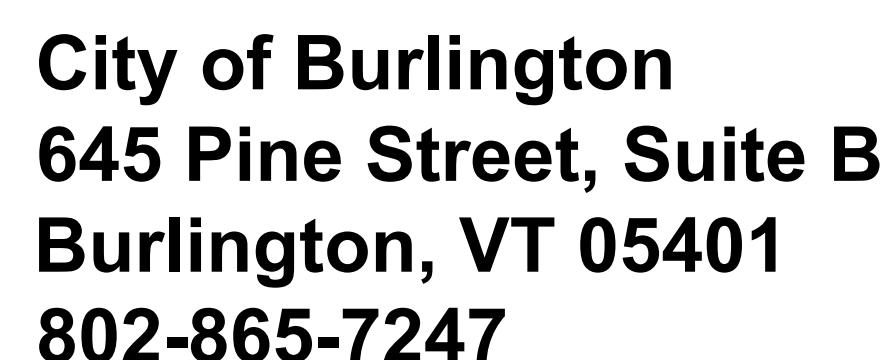
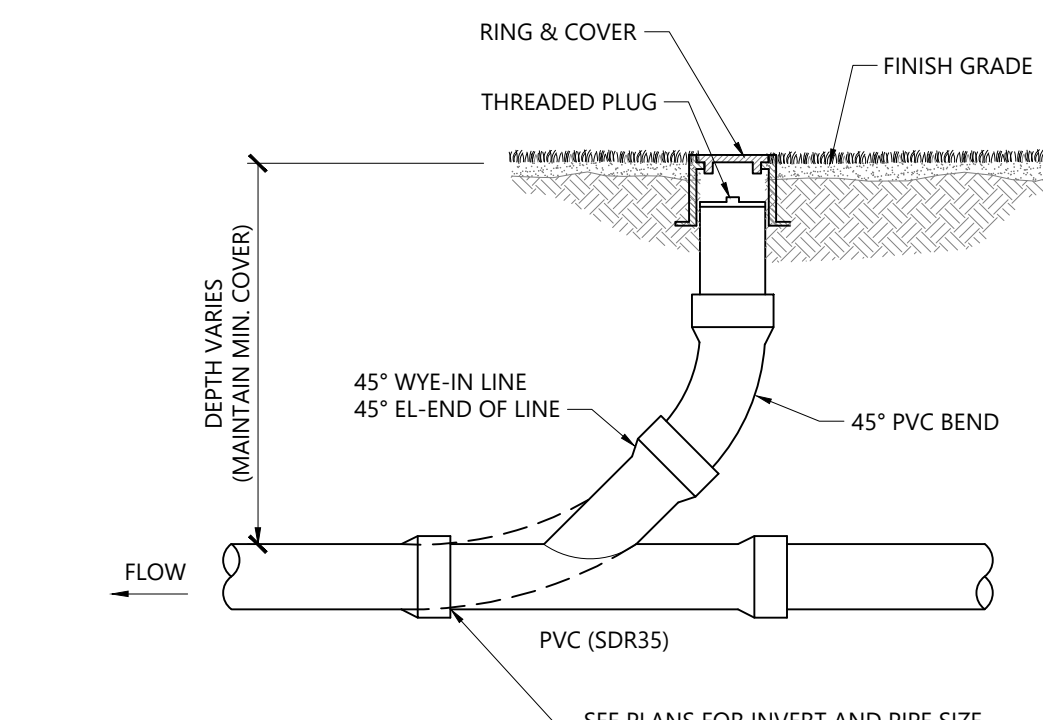
DRAINAGE
PROFILE

C1.03





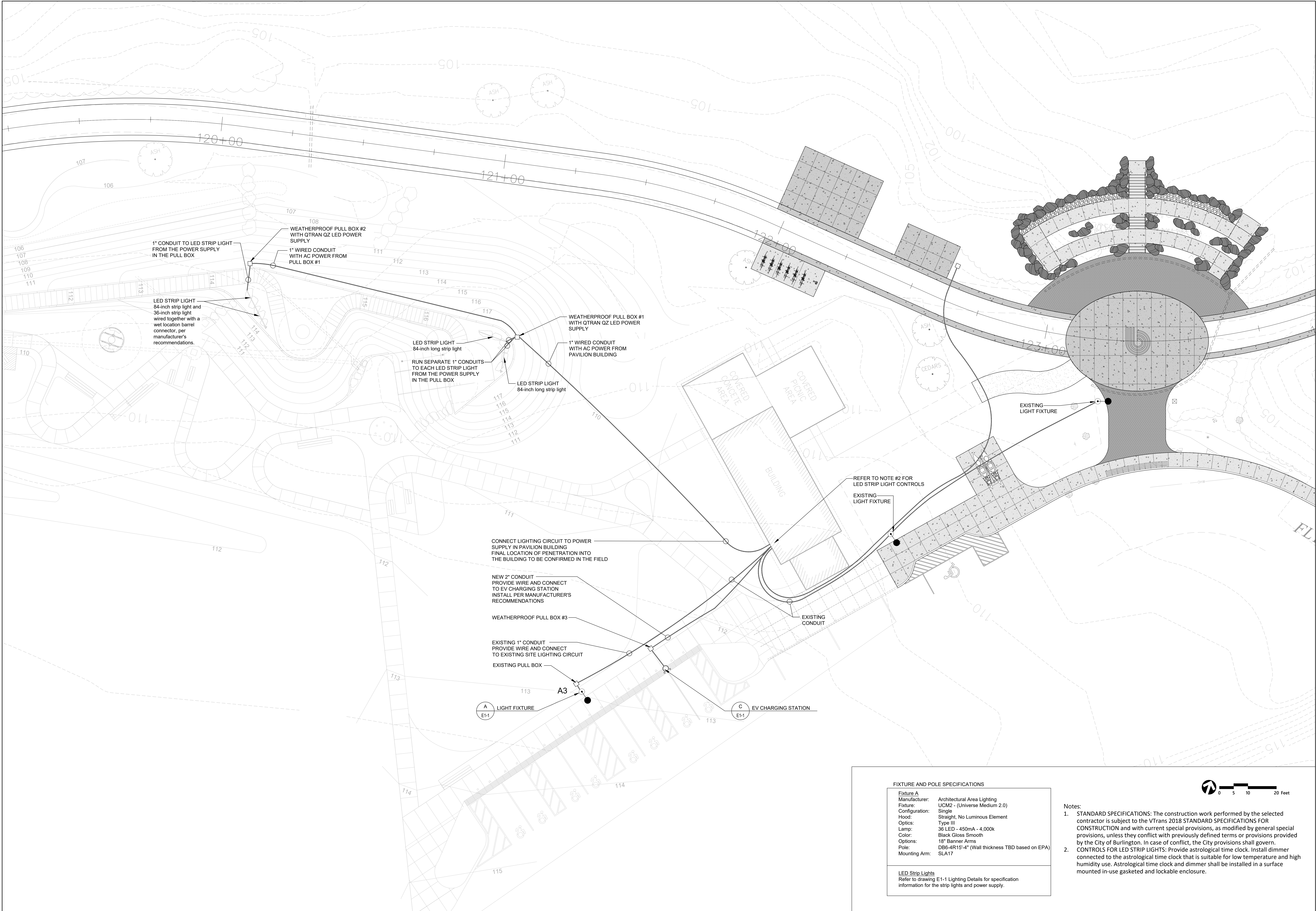
Bioretention Soil Mixture Specifications		1/16
N.T.S.	Source: VHB	LD-VT



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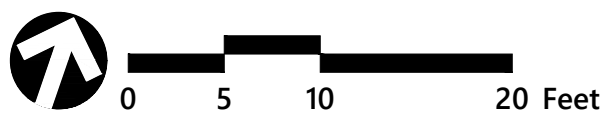
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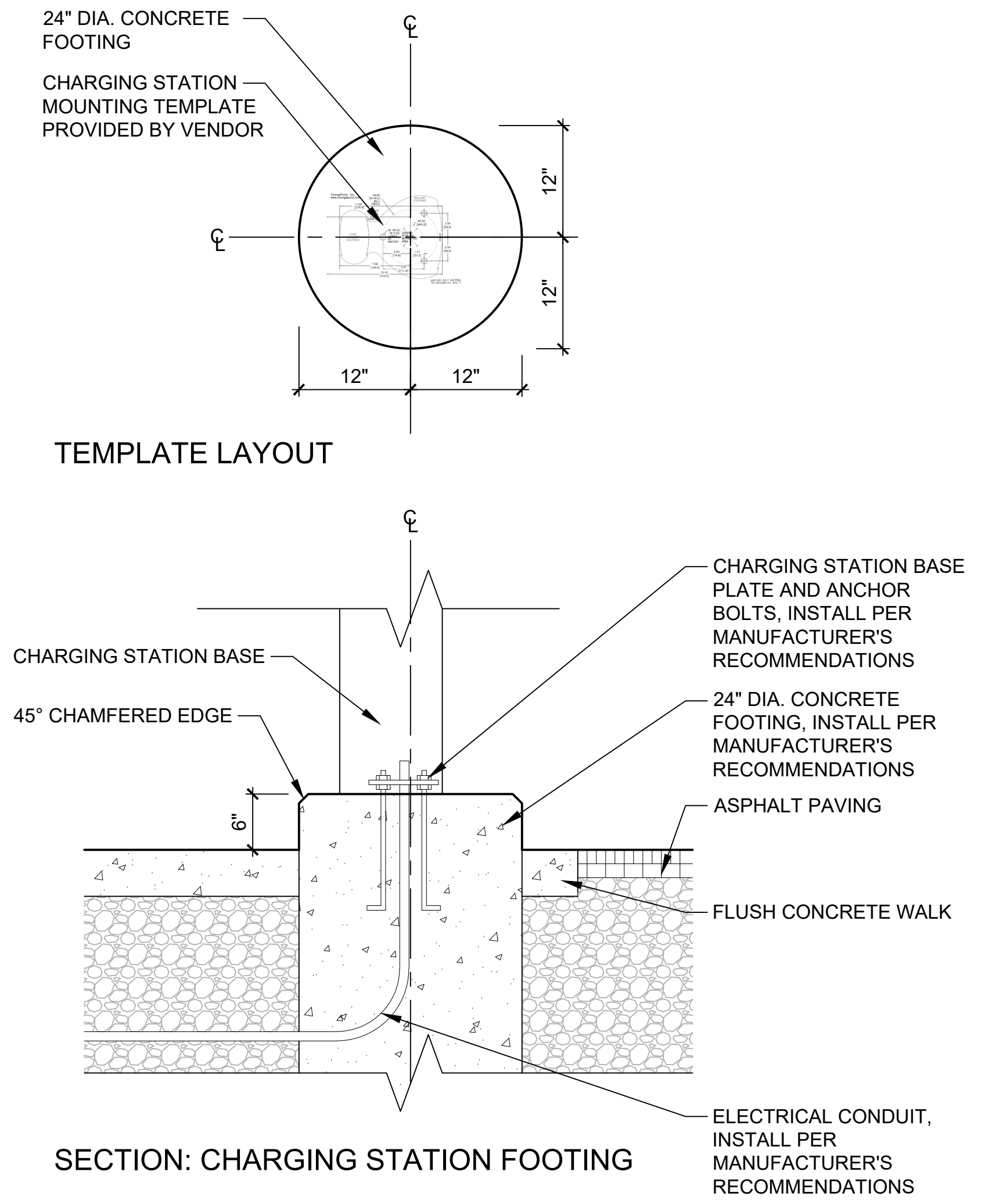
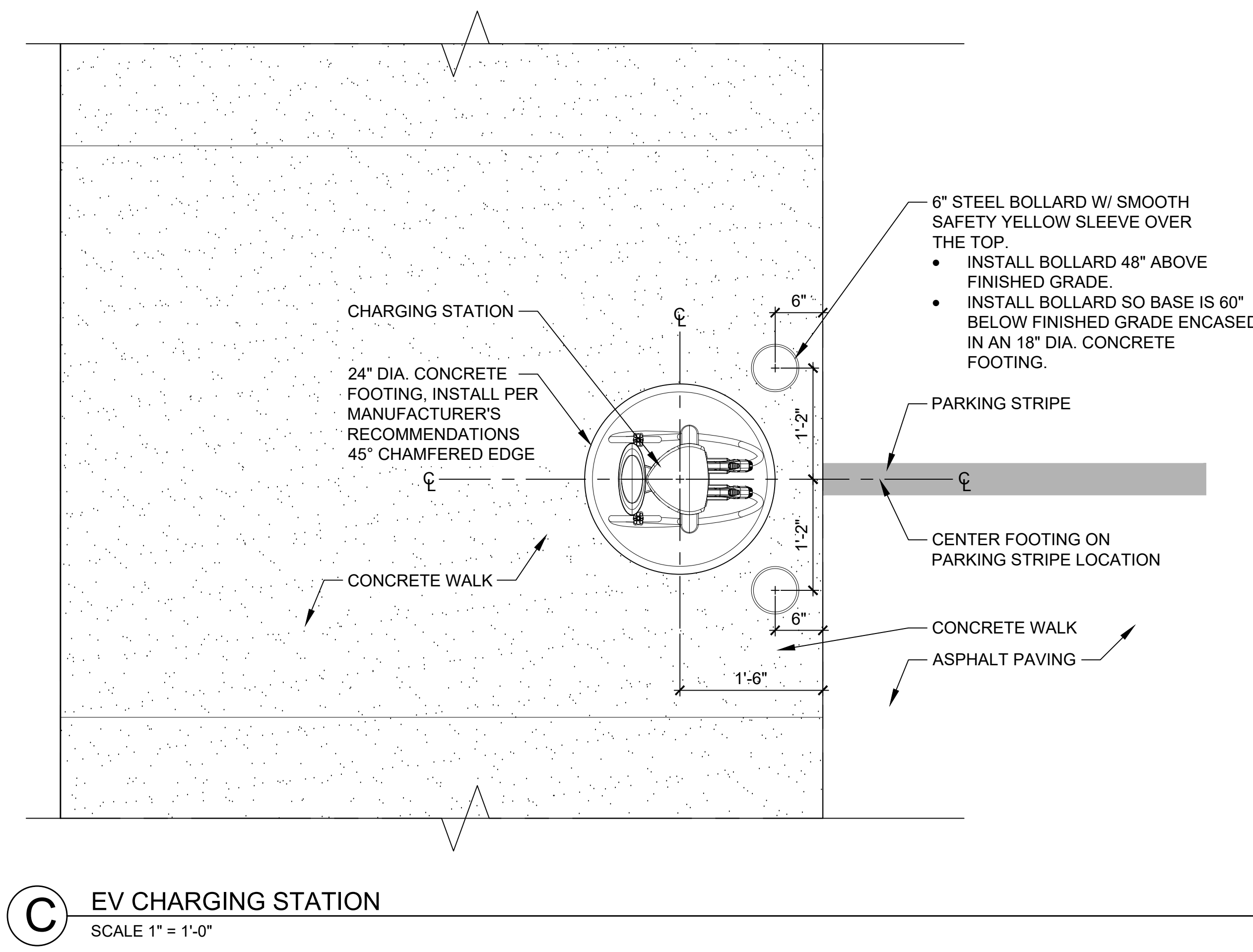
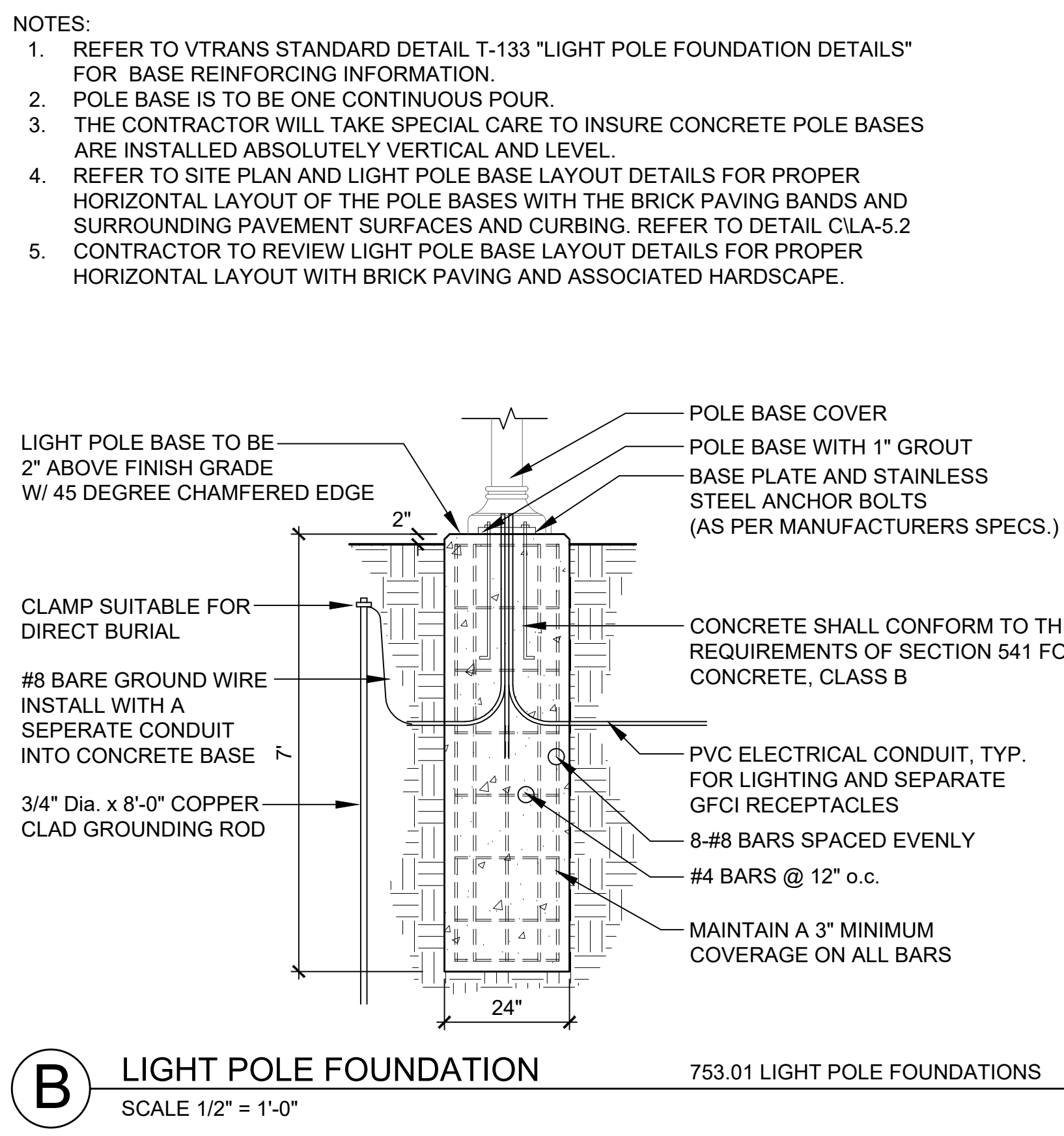
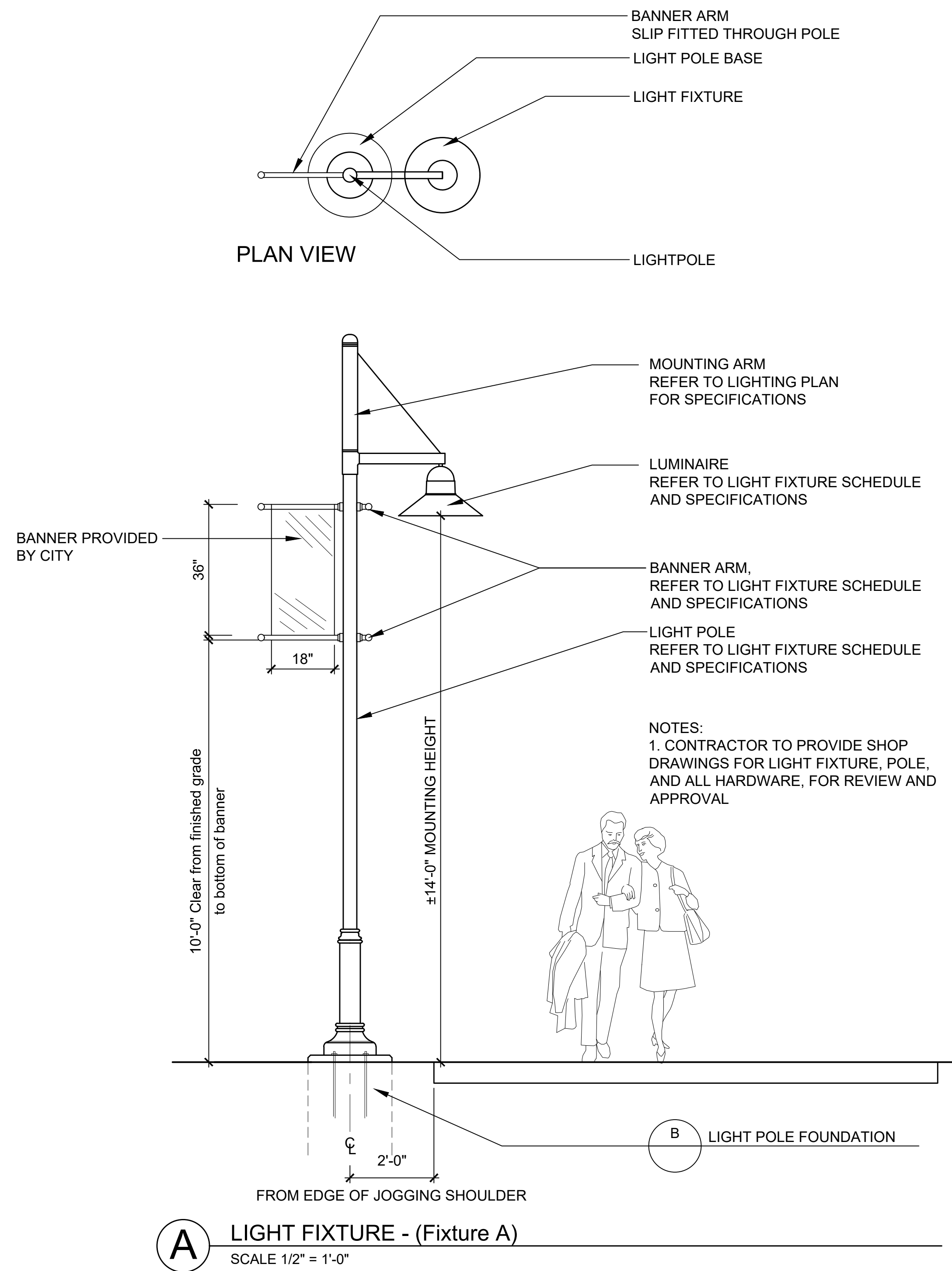


FIXTURE AND POLE SPECIFICATIONS	
Fixture A	Architectural Area Lighting
Manufacturer:	UCM2 - (Universe Medium 2.0)
Fixture:	Single
Configuration:	Straight, No Luminous Element
Hood:	Type III
Optics:	36 LED - 450mA - 4,000K
Lamp:	Black Gloss Smooth
Color:	18" Banner Arms
Options:	DB6-4R15'-4" (Wall thickness TBD based on EPA)
Pole:	SLA17
Mounting Arm:	

LED Strip Lights	
Refer to drawing E1-1 Lighting Details for specification information for the strip lights and power supply.	

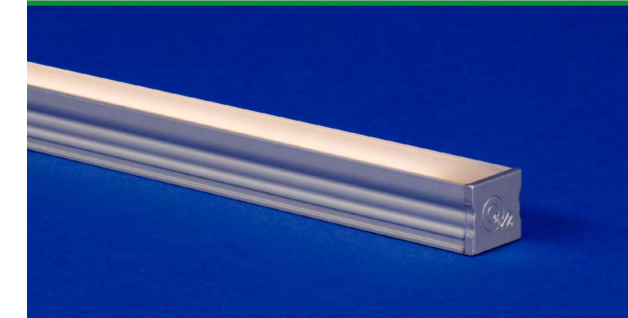
- Notes:
- STANDARD SPECIFICATIONS: The construction work performed by the selected contractor is subject to the VTrans 2018 STANDARD SPECIFICATIONS FOR CONSTRUCTION and with current special provisions, as modified by general special provisions, unless they conflict with previously defined terms or provisions provided by the City of Burlington. In case of conflict, the City provisions shall govern.
 - CONTROLS FOR LED STRIP LIGHTS: Provide astrological time clock. Install dimmer connected to the astrological time clock that is suitable for low temperature and high humidity use. Astrological time clock and dimmer shall be installed in a surface mounted in-use gasketed and lockable enclosure.





LED STRIP LIGHT

TORQ-ENCAPSULATED (03) Linear Fixtures



TORQ, our most popular LED extrusion for surface mounted installations, is now available as a fully assembled fixture. TORQ, Encapsulated is available in satin, black, and bronze finishes and features high quality LED strips encapsulated in a rigid extrusion providing a robust fixture for various environments.

Part Number Builder

Static White

Product	BEET	CCT	Rated Efficiency	Lens	Input Output	Connector Wire In	Connector Wire Out	Wire Color	Wire Type	Mounting	Finish	Length (ft)
T03SW	-	-	ENC	STP	S1 S2 S3 S4	BW BRL COM COM4	BW BRL COM COM4	CLS	WH BK NA	CL2 CLP NA	EST MG BK	10

Notes: 1. If selecting BRL, select NA for wire color and type. 2. BRL color is limited to 10' maximum length. 100' is written in 10' increments up to 100' in the order code box (see BRLS). 3. Connector/Wire In or Out not needed to specify product. Standard configuration is Type S1, Connector/Wire In BRL and Connector/Wire Out CLS. 4. Select CLP for pinless installation.

Static White High Efficacy

Product	BEET	CCT	Rated Efficiency	Lens	Input Output	Connector Wire In	Connector Wire Out	Wire Color	Wire Type	Mounting	Finish	Length (ft)
T03SW	-	-	ENC	STP	S1 S2 S3 S4	BW BRL COM COM4	BW BRL COM COM4	CLS	WH BK NA	CL2 CLP NA	EST MG BK	10

Notes: 1. If selecting BRL, select NA for wire color and type. 2. BRL color is limited to 10' maximum length. 100' is written in 10' increments up to 100' in the order code box (see BRLS). 3. Connector/Wire In or Out not needed to specify product. Standard configuration is Type S1, Connector/Wire In BRL and Connector/Wire Out CLS. 4. Select CLP for pinless installation.

- 5 year warranty
- Field modifications void warranty
- Data subject to changes, all data has +/- 5% tolerance
- Compatible for use with Q-Tran power supplies
- IK10 rated

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POWER SUPPLY FOR LED STRIP LIGHTS

QZ LED POWER SUPPLY 30W-288W

The QZ is a versatile dimmable Class 2 LED power supply that can be controlled via phase (forward or reverse) or 0-10V dimming. The Pulse Width Modulation (PWM) output provides smooth flicker-free dimming. When using phase control, a dimmer with a neutral is recommended. The driver has 24VDC constant voltage output and is available in 30-288 watts power up to 288W (96x3). The housing is also listed for indoor or outdoor use.



Part Number Builder

Product	Size	Phase	Sec. V	Control	Color
QZ	30W	PHS	24V	PHASE	WH (Standard) BK

Technical Information

Size	Primary Voltage	Secondary Voltage	Secondary Current	Color
30W	110-277V	24VDC	1.25 A	WH (Standard) BK
60W	110-277V	24VDC	2.5 A	WH (Standard) BK
120W	110-277V	24VDC	3.4 A	WH (Standard) BK
288W	110-277V	24VDC	3.4 A	WH (Standard) BK

Voltage Drop Chart

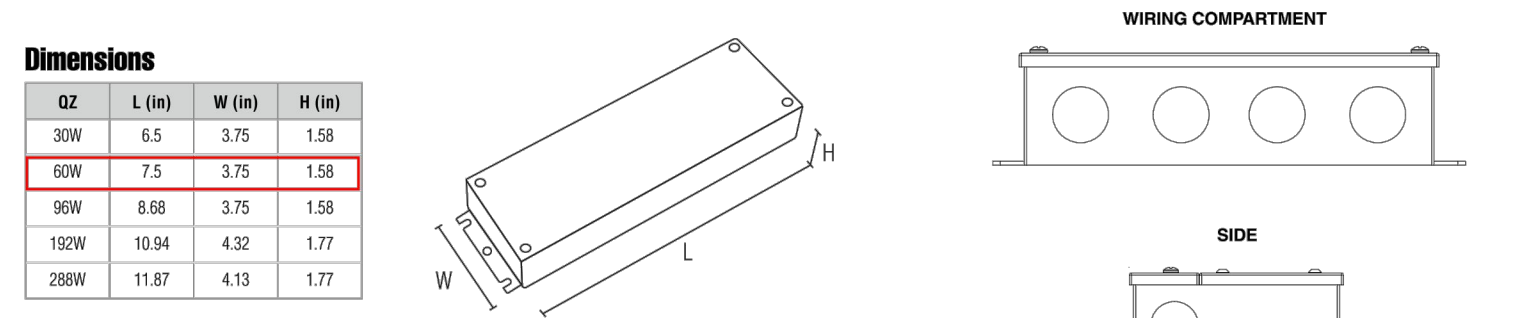
VDC	Load (Watt)	10.0A	12.0A	14.0A	16.0A	18.0A	20.0A	22.0A	24.0A	26.0A	28.0A
24	15	101	101	101	101	101	101	101	101	101	101
	30	101	101	101	101	101	101	101	101	101	101
	60	101	101	101	101	101	101	101	101	101	101
	120	101	101	101	101	101	101	101	101	101	101
	288	101	101	101	101	101	101	101	101	101	101

Wiring from power supply to light fixture must be two conductor cable



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QZ LED POWER SUPPLY 30W-288W



Specifications

Input	Output
Input Voltage (Vrms)	110-277
Input Current (max Amps)	3.3A @ 100V
Input Current (max Vrms)	30A @ 277V
Input Frequency (Hz)	50/60
Input Power (W)	288
Output Voltage (VDC)	24
Output Current (A)	288W @ 24V
Output Power (W)	288

Environmental

Min	Max
105 (F)	25
PF (%)	0.99
Working Temp (°F)	140
IP Rating	IP66

* 2000 watt

- Vertical or horizontal surface mount
- Constant voltage output
- Dimming range: 0.1% - 100%
- Dimming: Phase dimming: works with forward phase / leading edge, DALI and Reverse phase / trailing edge, ELV, TRIAC dimmers
- 0-10V dimming
- 1-10V dimming
- 10V PWM
- Potentiometer
- Flicker-free dimming
- IP66 Rated
- Follows recommended practices of IEEE standard P1789 to mitigate flicker includes health risk
- PWM (high frequency) output reduces visible flicker
- Suitable for dry, damp and wet locations
- Suitable for indoor & outdoor use
- Primary voltage - universal (110-277V)
- Wide operating temperature range: -40°F to +140°F
- UL cUL listed
- Type HL rated
- Complies to FCC Part 15B
- 5 year warranty



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**LIGHTING
DETAILS**

E1-1