

Title	Mike Rylko Park Nature Classroom	02/26/2024
	by Timothy Howe in Member District ADA Project Request	id. 45685243
	530 Bernard Dr Buffalo Grove, Illinois 60089 United States 8478502163 thowe@bgparks.org	

Original Submission 02/26/2024

Score	n/a
Name	Tim Howe
Job Title	Director of Parks and Planning
E-mail Address	thowe@bgparks.org
Phone Number	8478502100
Park District	Buffalo Grove
Project Location	Mike Rylko Park Nature Classroom
Project Status	New
Project Type	Routes and Surfaces Recreation Facilities and Amenities
Recreation Facilities and Amenities- select a Project Category below:	Benches- Picnic Tables
Routes and Surfaces- select a Project Category below:	Accessible Routes- Means of Egress Sidewalks Walking Surfaces
Benefits of the Project	Accessible pathways that lead to water feature, future shelter, native plant areas and nature classroom. Also purchase of two ADA benches
Items that will become ADA Compliant	New accessible areas to our Nature Classroom. Two need ADA tables.

The project is designed or constructed, or applies human resources, to comply with:

The 2010 Standards for Accessible Design

Upload Project Related Files, Photos, Videos or Audio

[Upland_Design_Nature_Classroom.pdf](#)

[Nature_Classroom_Drawing.pdf](#)

[Hacienda_Nature_Classroom.pdf](#)

Budget Table for ADA Related Expenses

[Budget Table.xlsx](#)

ADA Dollars Requested	38172.5
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Notes related to requested amount



2023 RYLKO PARK IMPROVEMENTS

1000 N Buffalo Grove Rd,
Buffalo Grove, Illinois 60089



BUFFALO GROVE PARK DISTRICT
Buffalo Grove Park District
530 Bernard Drive
Buffalo Grove, Illinois 60089

Partially Funded by Illinois Department of Natural Resources
Public Museum Grant No. MC 21-003
SHEET INDEX

RAUPP MUSEUM NATURE CLASSROOM DEVELOPMENT PHASE II

- L1.0 Title Sheet
- L2.0 Existing Conditions & Removals Plan
- L3.0 Layout Plan
- L4.0 Dimension Plan - Paving
- L4.1 Dimension Plan - Structures
- L4.2 Concrete Joint Plan
- L5.0 Grading Plan
- L5.1 Utility Plan
- L6.0 Landscape Plan
- L7.0 Construction Details
- L7.1 Construction Details
- L7.2 Construction Details
- L7.3 Construction Details

RYLKO PARK IMPROVEMENTS - INLINE SKATE RINK REDEVELOPMENT

- C1 Existing Conditions / Demolition Plan
- C2 Geometric Plan
- C3 Utility Plan
- C4 Grading Plan
- C5 Nature Garden & Grading Plan
- C6 Alternate A - Alcott Park Path Improvement
- C7 Soil Erosion & Sediment Control Plan
- C8 SESC Details
- C9 Details
- C10 General Notes & SESC Notes
- C11 Alternate D - Rylko Path Resurfacing
- C12 Alternate D - Rylko Path Resurfacing



LOCATION MAP

SCALE: not to scale



LANDSCAPE ARCHITECT:



IL License 060-007797

CIVIL ENGINEER

Gewalt Hamilton Associates, Inc.
625 Forest Edge Drive
Vernon Hills, Illinois 60061
IL License 184-000922

This project has been prepared by and reviewed by Licensed Landscape Architects:
Michelle A. Kelly # 157.001002
Heath A. Wright # 157.000994
Maria Blood # 157.001511

REVISIONS

MB/AJ	ISSUE FOR BID	DATE
		06DEC2022

ORIGINAL ISSUE DATE
ISSUE FOR BID 06DEC2022

PROJECT NUMBER
1086

PROJECT NAME

2023 RYLKO PARK IMPROVEMENTS

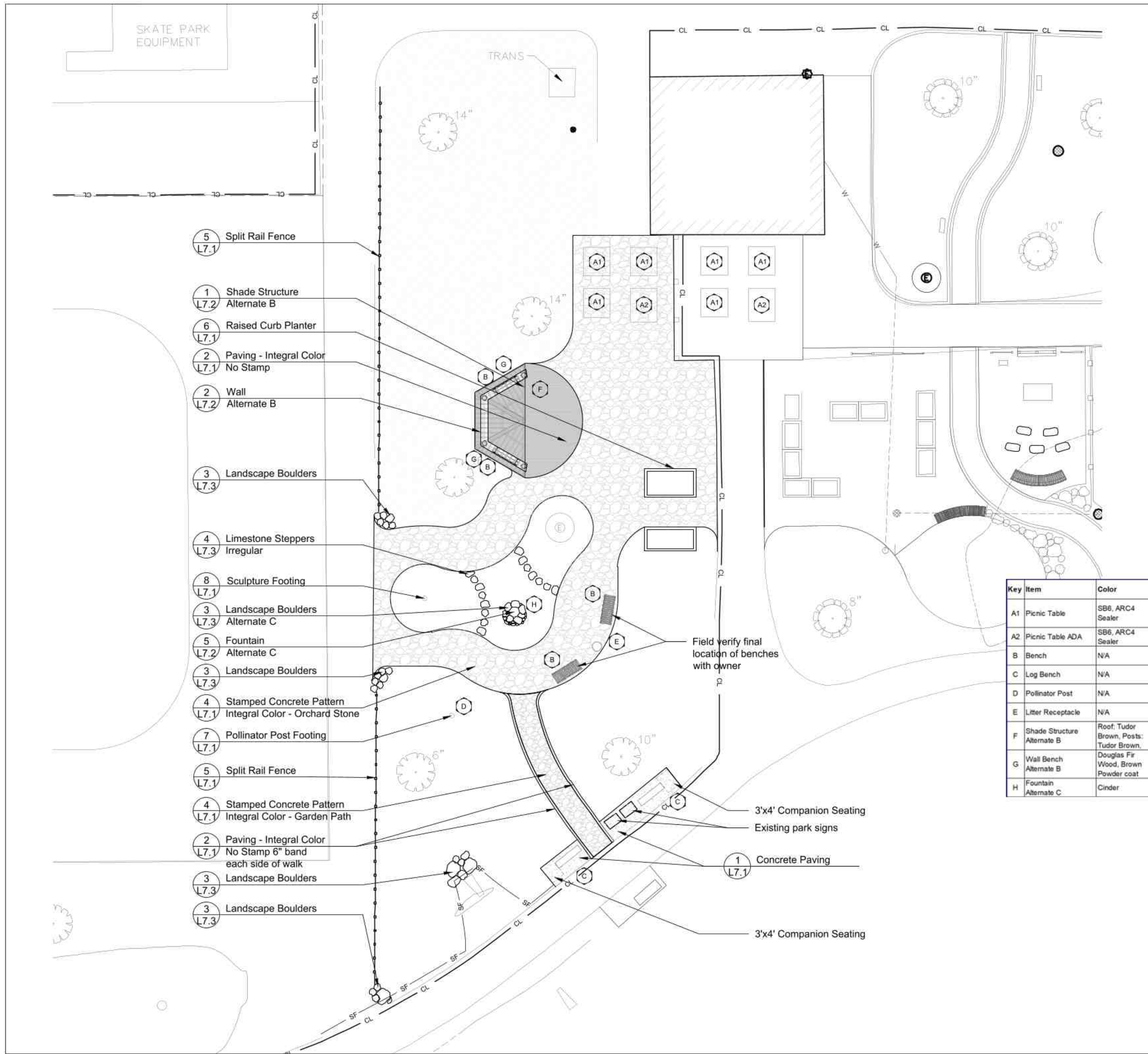
SHEET TITLE

Title Sheet

SHEET NUMBER

L1.0





- 5 Split Rail Fence
L7.1
- 1 Shade Structure
Alternate B
L7.2
- 6 Raised Curb Planter
L7.1
- 2 Paving - Integral Color
No Stamp
L7.1
- 2 Wall
Alternate B
L7.2
- 3 Landscape Boulders
L7.3
- 4 Limestone Steppers
Irregular
L7.3
- 8 Sculpture Footing
L7.1
- 3 Landscape Boulders
Alternate C
L7.3
- 5 Fountain
Alternate C
L7.2
- 3 Landscape Boulders
L7.3
- 4 Stamped Concrete Pattern
Integral Color - Orchard Stone
L7.1
- 7 Pollinator Post Footing
L7.1
- 5 Split Rail Fence
L7.1
- 4 Stamped Concrete Pattern
Integral Color - Garden Path
L7.1
- 2 Paving - Integral Color
No Stamp 6" band
each side of walk
L7.1
- 3 Landscape Boulders
L7.3
- 3 Landscape Boulders
L7.3

Field verify final location of benches with owner

3'x4' Companion Seating
Existing park signs
1 Concrete Paving
L7.1
3'x4' Companion Seating

GENERAL NOTES: LAYOUT

1. It is the responsibility of the Contractor to perform layout of all project elements and points for review by Owner prior to construction. (This work is considered incidental to the project and not paid as a separate bid item).
2. The contractor shall be responsible for all materials and quantities as required to complete the work in accordance with the plans and specifications. The contractor will notify the Owner's Representative in writing of any discrepancies or changes required to complete the work before any action may be taken. All changes or change orders must be approved by the Owner's Representative and Owner before any changes are executed.
3. Footings shall meet manufacturers recommendations for footing depth and width.

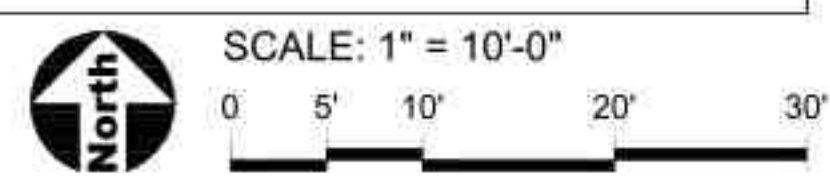
REFERENCED SPECIFICATIONS AND CODES

1. The Standard Specifications for Road and Bridge Construction (SSRBC), adopted April 1, 2016 adopted by the Illinois Department of Transportation, and all amendments thereto the design manual, highway standards, and the culvert manual, also prepared by the Illinois Department of Transportation.
2. The Americans with Disabilities Act and the Illinois Accessibility Code.
3. The Illinois Procedures and Standards for Urban Soil Erosion and Sedimentation Control, and IEPA Standards and Specifications for Soil Erosion and Sedimentation Control.
4. U.S. Soil Conservation Service Field Engineering Handbook
5. All codes and ordinances of the Village of Buffalo Grove, United States Army Corp of Engineers, Illinois Department of Natural Resources, Lake County Soil and Water Conservation Districts, and all agencies having jurisdiction.
6. All requirements of the Occupational Safety and Health Administration.
7. The cited standard specifications, codes and permits, with these construction plans and details, are all to be considered part of the work, incidental items or accessories necessary to complete this work may not be specifically noted but are considered a part of these improvements.
8. In case of conflict, the more restrictive provision shall apply.

Key	Item	Color	Quantity	Model	Manufacturer	Supplier
A1	Picnic Table	SB6, ARC4 Sealer	6	Sycamore Picnic Tabel, Model Number: T7300, 72" length, Surface Mount	Doty & Sons	Doty & Sons 815-895-2844
A2	Picnic Table ADA	SB6, ARC4 Sealer	2	ADA table length 84", Surface Mount	Doty & Sons	Doty & Sons 815-895-2844
B	Bench	N/A	4	N/A	N/A	By Owner
C	Log Bench	N/A	2	#3043, Surface Mount	Landscape Structures	NuToys Leisure Products (800) 526-
D	Pollinator Post	N/A	1	N/A	N/A	By Owner
E	Litter Receptacle	N/A	1	N/A	N/A	By Owner
F	Shade Structure Alternate B	Roof: Tudor Brown, Posts: Tudor Brown,	1	Houston Amphitheater Model Number: HHA-24TG; Toungue and Grove	Poligon	Imagine Nation, LLC 847-640-0904
G	Wall Bench Alternate B	Douglas Fir Wood, Brown Powder coat	2	Model Name: Wall Top Bench W/Armrests; Model #: 2031-6, Surface Mount	Timberform	Timberform 503-223-1157
H	Fountain Alternate C	Cinder	1	Model Name: Water Dome, Dome 48	Solus	Solus 1.877.255.3146

LEGEND

- Stamped Concrete Pattern - Orchard Stone
- Stamped Concrete Pattern - Garden Path
- Concrete Paving
- Concrete Paving - Integral Color
- Concrete Expansion Joints
- Point of Beginning
- Split Rail Fence
- Construction Limits / Construction Fence



530 Bernard Drive
Buffalo Grove, Illinois 60089
Phone: 847-850-2100

PROJECT
Raupp Museum Nature Classroom Development Phase II

1000 N Buffalo Grove Road,
Buffalo Grove, Illinois 60089

PROJECT TEAM

uplandDesign Ltd
Landscape Architecture & Park Planning
1250 W 18th St, Chicago, Illinois 60608
24042 Lockport St, Plainfield, Illinois 60544
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Vernon Hills, Illinois 60061
Phone: 847-478-9700

REVISIONS

NO.	DATE	DESCRIPTION
1	06DEC2022	ISSUE FOR BID

ORIGINAL ISSUE DATE

PROJECT NUMBER

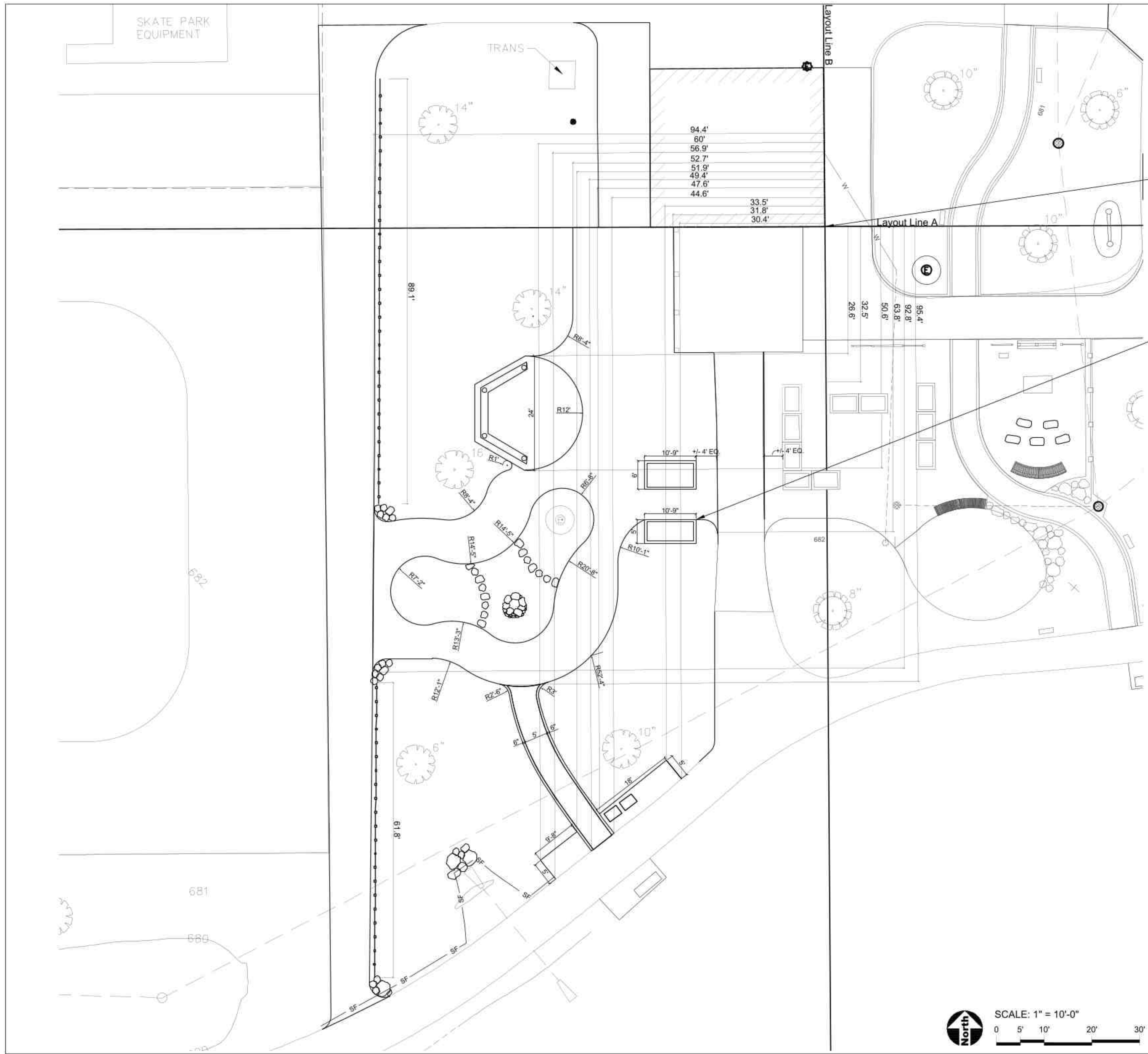
1086

SHEET TITLE

Layout Plan

SHEET NUMBER

L3.0

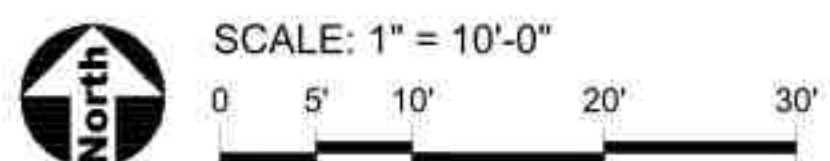


- GENERAL NOTES: DIMENSION**
1. Layout of equipment is to center of post.
 2. Paving radii shall be formed completely and shall smoothly transition into tangents and adjoining lines. Dimensions are to face of curb and edge of pavement unless otherwise specified.
 3. Dimensions are in feet or degrees. Dimensions are perpendicular & parallel unless otherwise noted.
 4. See Layout Plan, Sheet 3.0 for additional general notes and referenced specifications and codes.
 5. Contractor shall perform all construction layout for the project. Contractor will be provided with an electronic file in AutoCAD format to assist with layout. Neither the Owner nor their representative shall be responsible for setting additional layout points.

Point of Beginning to be the southeast corner of the of the existing building with layout line A running parallel to the southern edge of the building Layout Line B running parallel to the eastern edge of the existing building at an 90 degree angle.

Planter to meet edge of pavement

- LEGEND**
- Point of Beginning
 - Split Rail Fence
 - CL Construction Limits / Construction Fence



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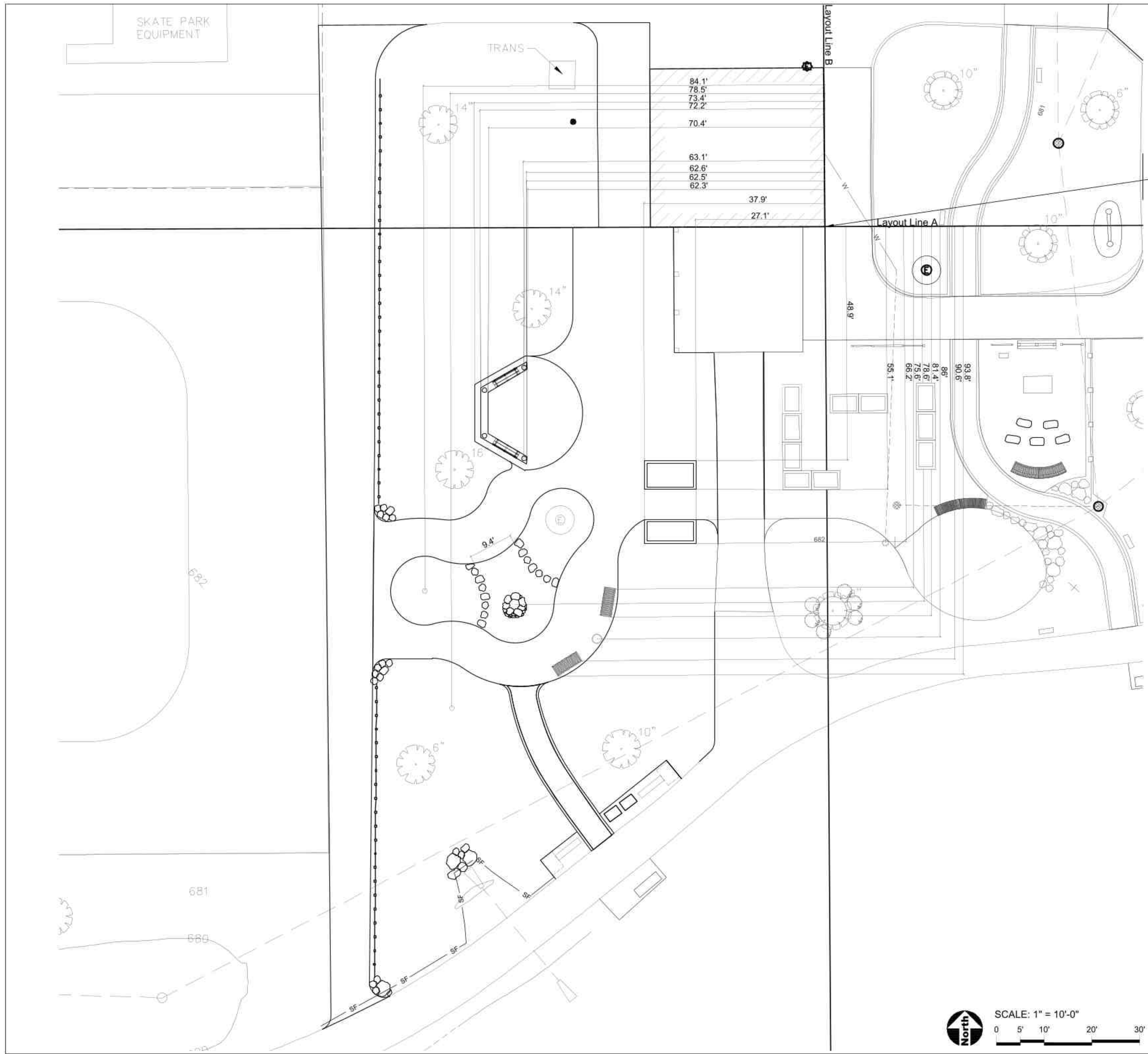
AJ/MB	ISSUE FOR BID	06DEC2022

ORIGINAL ISSUE DATE

PROJECT NUMBER
1086

SHEET TITLE
**Dimension
Plan - Paving**

SHEET NUMBER
L4.0



- GENERAL NOTES: DIMENSION**
1. Layout of equipment is to center of post.
 2. Paving radii shall be formed completely and shall smoothly transition into tangents and adjoining lines. Dimensions are to face of curb and edge of pavement unless otherwise specified.
 3. Dimensions are in feet or degrees. Dimensions are perpendicular & parallel unless otherwise noted.
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- LEGEND**
- Point of Beginning
 - Split Rail Fence
 - CL Construction Limits / Construction Fence



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PROJECT NUMBER
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SHEET TITLE

Dimension Plan - Structures

SHEET NUMBER

L4.1

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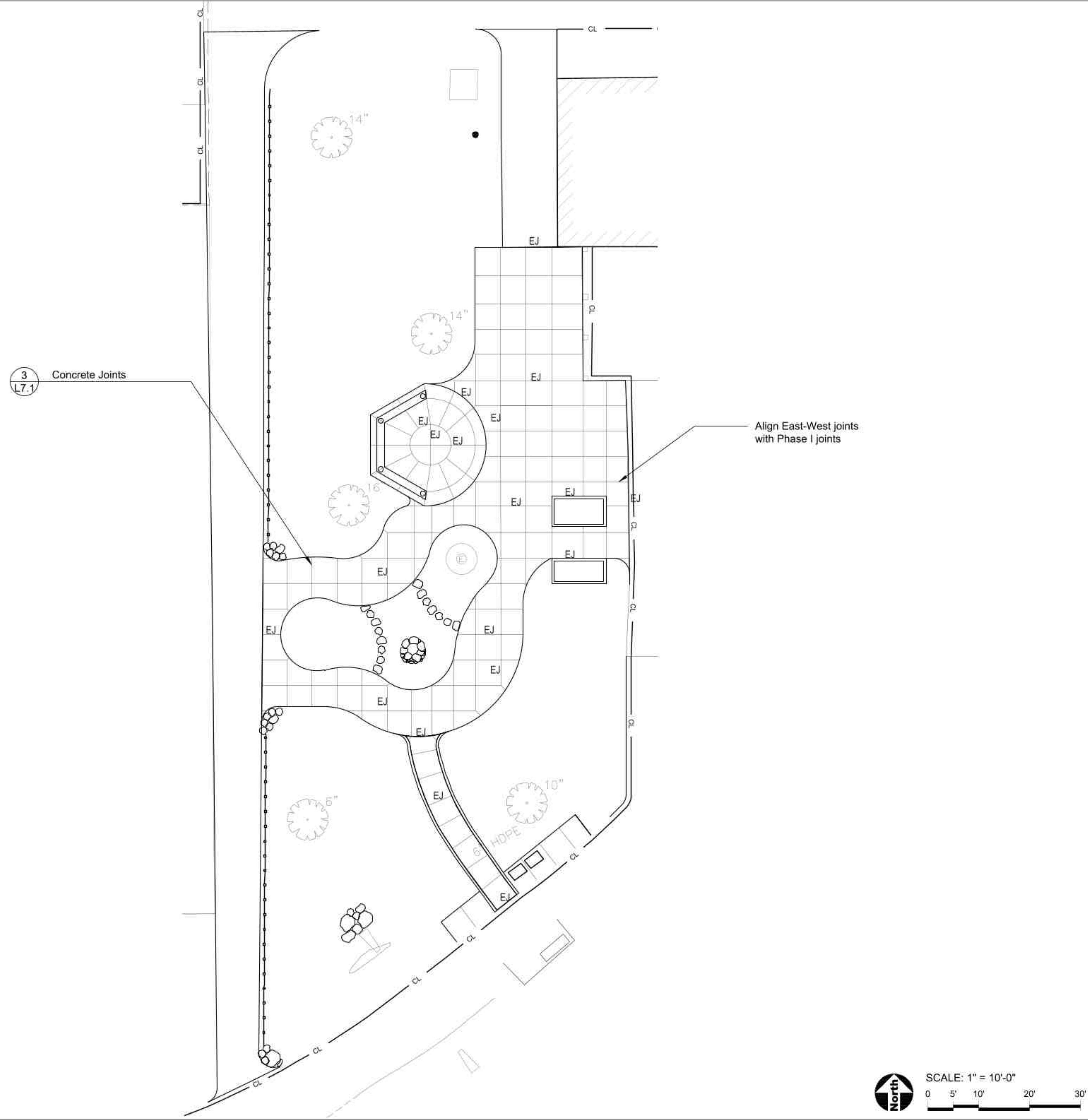
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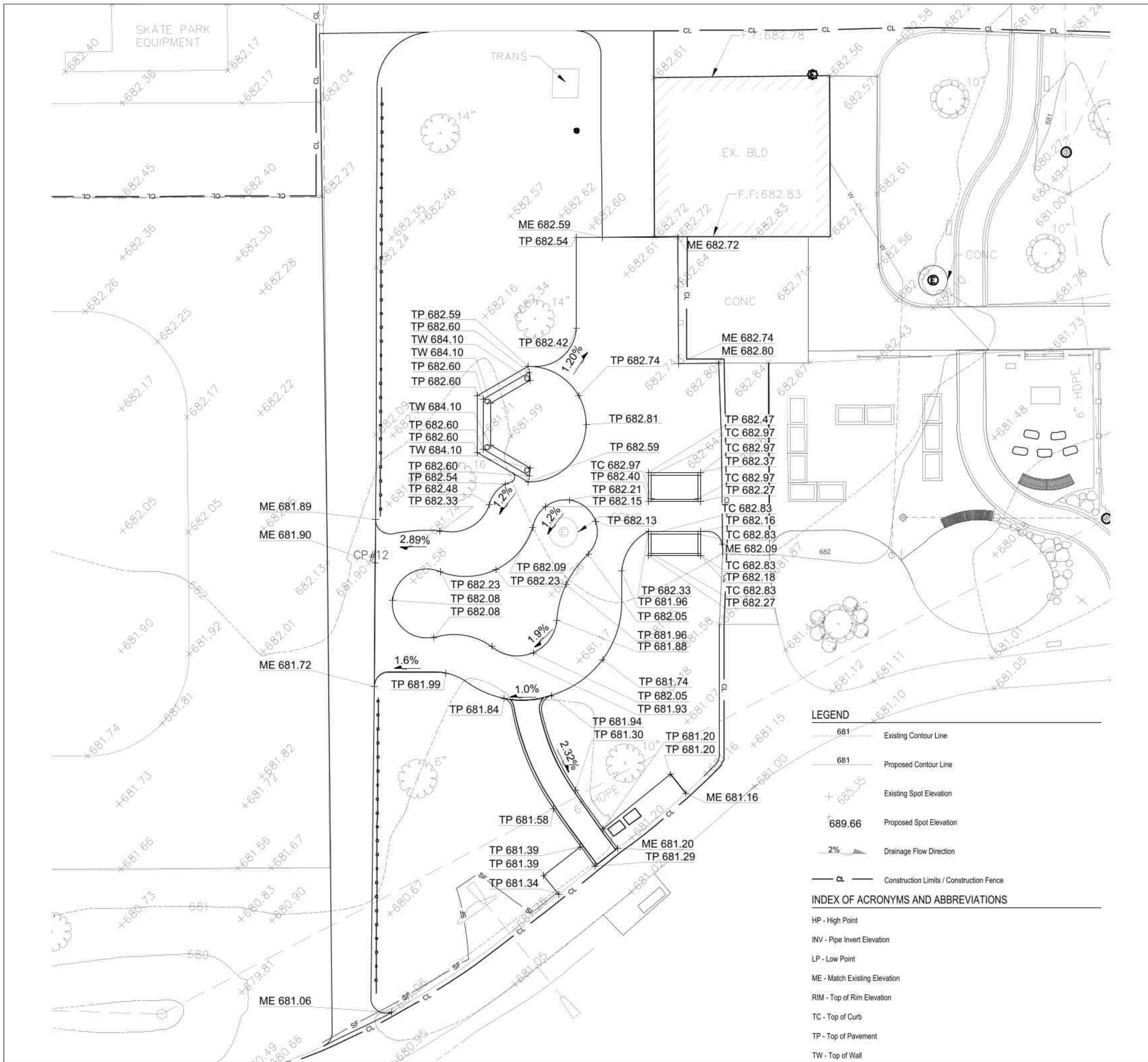
SHEET TITLE
Concrete Joint Plan

SHEET NUMBER

L4.2

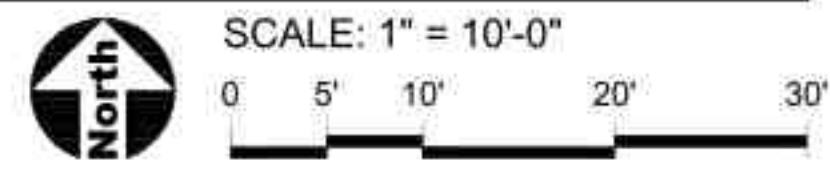


- LEGEND**
- EJ Concrete Expansion Joints
 - Split Rail Fence
 - CL Construction Limits / Construction Fence



- LEGEND**
- 681 — Existing Contour Line
 - - - 681 - - - Proposed Contour Line
 - + 685.35 + Existing Spot Elevation
 - + 689.66 + Proposed Spot Elevation
 - 2% ▾ Drainage Flow Direction
 - CL — Construction Limits / Construction Fence

- INDEX OF ACRONYMS AND ABBREVIATIONS**
- HP - High Point
 - INV - Pipe Invert Elevation
 - LP - Low Point
 - ME - Match Existing Elevation
 - RIM - Top of Rim Elevation
 - TC - Top of Curb
 - TP - Top of Pavement
 - TW - Top of Wall



GENERAL NOTES: GRADING

1. Finished surfaces to be smooth and even with no abrupt or awkward changes in grade. Paving to meet adjacent grades flush and smooth.
2. Contractor shall restore all areas disturbed as a result of construction.
3. All walks, drives and paved areas are to follow ADA per incorporated specifications. Any deviation shall be removed and reinstalled to follow this law.
4. All Accessible Route paving shall not exceed 4.5% in any direction. Cross slopes shall be less than 2%. Contractor shall slope all walks and slabs to eliminate ponding. ADA Turning Radius paving shall be less than 2% in all directions.
5. This work shall include the excavation, stockpile, and placement of topsoil and suitable excavated material along with removal of all excess topsoil and debris off site and dispose of legally.
6. Follow the Illinois Procedures and Standards for Urban Soil Erosion and Sedimentation Control, IEPA Standards and Specifications for Soil Erosion and Sedimentation Control, and U.S. Soil Conservation Service Field Engineering Handbook.
7. Transitions between paving types (i.e. concrete to asphalt) shall be smooth. Transitions not to exceed 1/8" vertical or horizontal difference.
8. Finished surfaces to be smooth and even with no abrupt or awkward changes in grade. Paving to meet adjacent grades flush and smooth.

LAKE COUNTY STORMWATER MANAGEMENT COMMISSION SOIL EROSION AND SEDIMENT CONTROL CONSTRUCTION NOTES

- A. SEDIMENT CONTROL MEASURES SHALL BE INSTALLED PRIOR TO THE COMMENCEMENT OF HYDROLOGIC DISTURBANCE OF UPLAND AREAS.
- B. FOR THOSE DEVELOPMENTS THAT REQUIRE A DESIGNATED EROSION CONTROL INSPECTOR (DECI), INSPECTIONS AND DOCUMENTATION SHALL BE PERFORMED, AT A MINIMUM:
 - UPON COMPLETION OF SEDIMENT AND RUNOFF CONTROL MEASURES (INCLUDING PERIMETER CONTROLS AND DIVERSIONS), PRIOR TO PROCEEDING WITH ANY OTHER EARTH DISTURBANCE OR GRADING.
 - AFTER EVERY SEVEN (7) CALENDAR DAYS OR STORM EVENT WITH GREATER THAN 0.5 INCH OF RAINFALL OR LIQUID EQUIVALENT PRECIPITATION.
- C. SOIL DISTURBANCE SHALL BE CONDUCTED IN SUCH A MANNER AS TO MINIMIZE EROSION. IF STRIPPING, CLEARING, GRADING, OR LANDSCAPING ARE TO BE DONE IN PHASES, THE PERMITTEE SHALL PLAN FOR APPROPRIATE SOIL EROSION AND SEDIMENT CONTROL MEASURES.
- D. A STABILIZED MAT OF CRUSHED STONE MEETING IDOT GRADATION CA-1 UNDERLAIN WITH FILTER FABRIC AND IN ACCORDANCE WITH THE ILLINOIS URBAN MANUAL, OR OTHER APPROPRIATE MEASURE(S) AS APPROVED BY THE ENFORCEMENT OFFICER, SHALL BE INSTALLED AT ANY POINT WHERE TRAFFIC WILL BE ENTERING OR LEAVING A CONSTRUCTION SITE. SEDIMENT OR SOIL REACHING AN IMPROVED PUBLIC RIGHT-OF-WAY, STREET, ALLEY OR PARKING AREA SHALL BE REMOVED BY SCRAPING OR STREET CLEANING AS ACCUMULATIONS WARRANT AND TRANSPORTED TO A CONTROLLED SEDIMENT DISPOSAL AREA.
- E. TEMPORARY DIVERSIONS SHALL BE CONSTRUCTED AS NECESSARY TO DIRECT ALL RUNOFF FROM HYDROLOGICALLY DISTURBED AREAS TO AN APPROPRIATE SEDIMENT TRAP OR BASIN.
- F. DISTURBED AREAS SHALL BE STABILIZED WITH TEMPORARY OR PERMANENT MEASURES WITHIN SEVEN (7) CALENDAR DAYS FOLLOWING THE END OF ACTIVE HYDROLOGIC DISTURBANCE OR REDISTURBANCE.
- G. ALL STOCKPILES SHALL HAVE APPROPRIATE MEASURES TO PREVENT EROSION. STOCKPILES SHALL NOT BE PLACED IN FLOOD PRONE AREAS OR WETLANDS AND DESIGNATED BUFFERS.
- H. SLOPES STEEPER THAN 3H:1V SHALL BE STABILIZED WITH APPROPRIATE MEASURES AS APPROVED BY THE ENFORCEMENT OFFICER.
- I. APPROPRIATE EROSION CONTROL BLANKET SHALL BE INSTALLED ON ALL INTERIOR DETENTION BASIN SIDE SLOPES BETWEEN THE NORMAL WATER LEVEL AND HIGH WATER LEVEL.
- J. STORM SEWERS THAT ARE OR WILL BE FUNCTIONING DURING CONSTRUCTION SHALL BE PROTECTED BY AN APPROPRIATE SEDIMENT CONTROL MEASURE.
- K. IF DEWATERING SERVICES ARE USED, ADJOINING PROPERTIES AND DISCHARGE LOCATIONS SHALL BE PROTECTED FROM EROSION AND SEDIMENTATION. DISCHARGES SHALL BE ROUTED THROUGH AN APPROVED ANIONIC POLYMER DEWATERING SYSTEM OR A SIMILAR MEASURE AS APPROVED BY THE ENFORCEMENT OFFICER. DEWATERING SYSTEMS SHOULD BE INSPECTED DAILY DURING OPERATIONAL PERIODS. THE ENFORCEMENT OFFICER, OR APPROVED REPRESENTATIVE, MUST BE PRESENT AT THE COMMENCEMENT OF DEWATERING ACTIVITIES.
- L. IF INSTALLED SOIL EROSION AND SEDIMENT CONTROL MEASURES DO NOT MINIMIZE SEDIMENT LEAVING THE DEVELOPMENT SITE, ADDITIONAL MEASURES SUCH AS ANIONIC POLYMERS OR FILTRATION SYSTEMS MAY BE REQUIRED BY THE ENFORCEMENT OFFICER.
- M. ALL TEMPORARY AND PERMANENT EROSION CONTROL MEASURES MUST BE MAINTAINED AND REPAIRED AS NEEDED. THE PROPERTY OWNER SHALL BE ULTIMATELY RESPONSIBLE FOR MAINTENANCE AND REPAIR.
- N. ALL TEMPORARY SEDIMENT CONTROL MEASURES SHALL BE REMOVED WITHIN 30 DAYS AFTER FINAL SITE STABILIZATION IS ACHIEVED OR AFTER THE TEMPORARY MEASURES ARE NO LONGER NEEDED.
- O. THE EROSION CONTROL MEASURES INDICATED ON THE PLANS ARE THE MINIMUM REQUIREMENTS. ADDITIONAL MEASURES MAY BE REQUIRED, AS DIRECTED BY THE ENGINEER, ENFORCEMENT OFFICER, OR OTHER GOVERNING AGENCY.



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REVISIONS

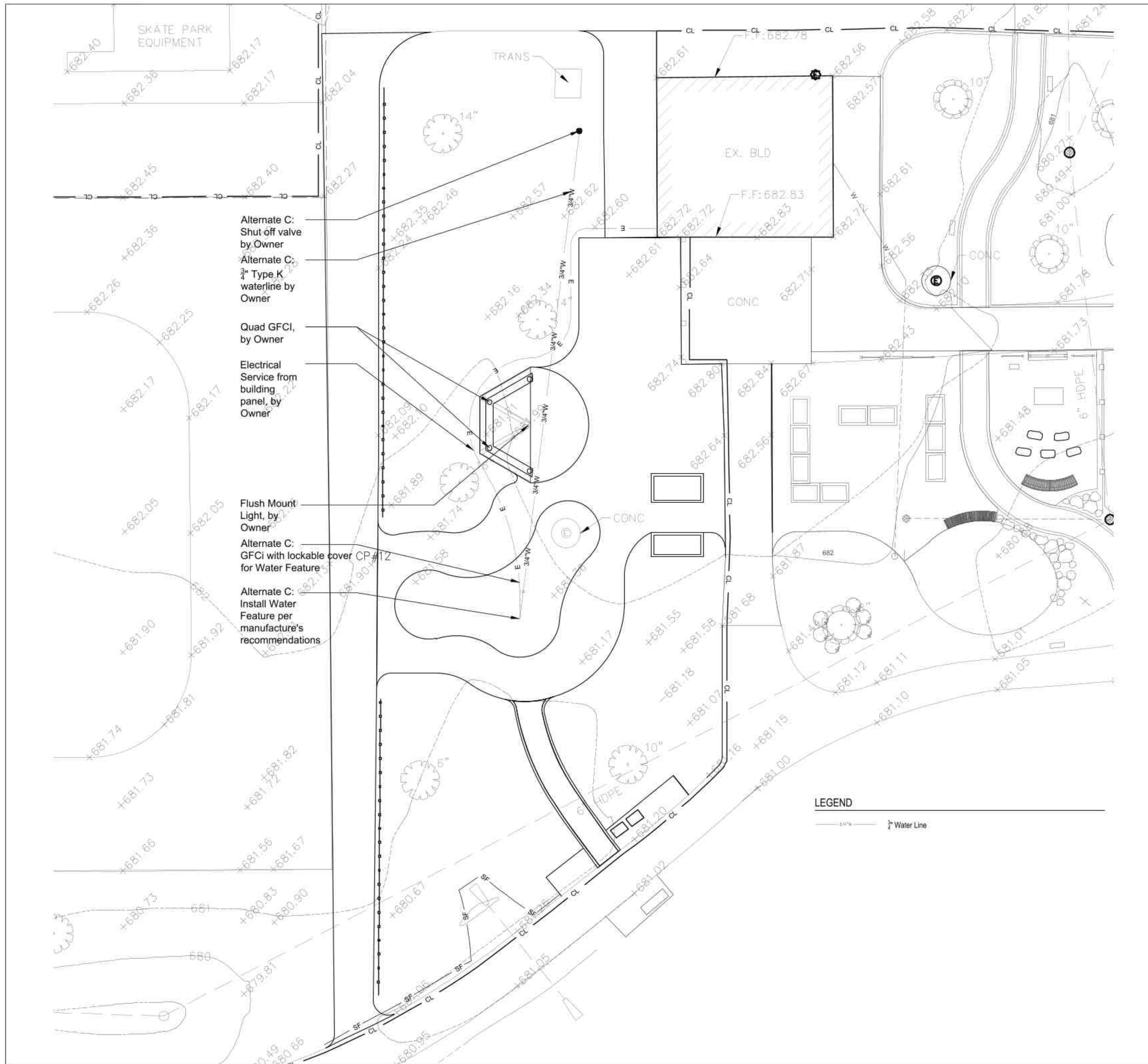
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SHEET TITLE
Grading Plan

SHEET NUMBER
L5.0



Alternate C:
Shut off valve
by Owner

Alternate C:
3/4" Type K
waterline by
Owner

Quad GFCI,
by Owner

Electrical
Service from
building
panel, by
Owner

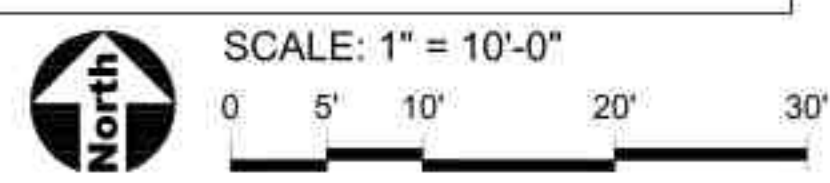
Flush Mount
Light, by
Owner

Alternate C:
GFCI with lockable cover CP#12
for Water Feature

Alternate C:
Install Water
Feature per
manufacture's
recommendations

LEGEND

3/4" Water Line



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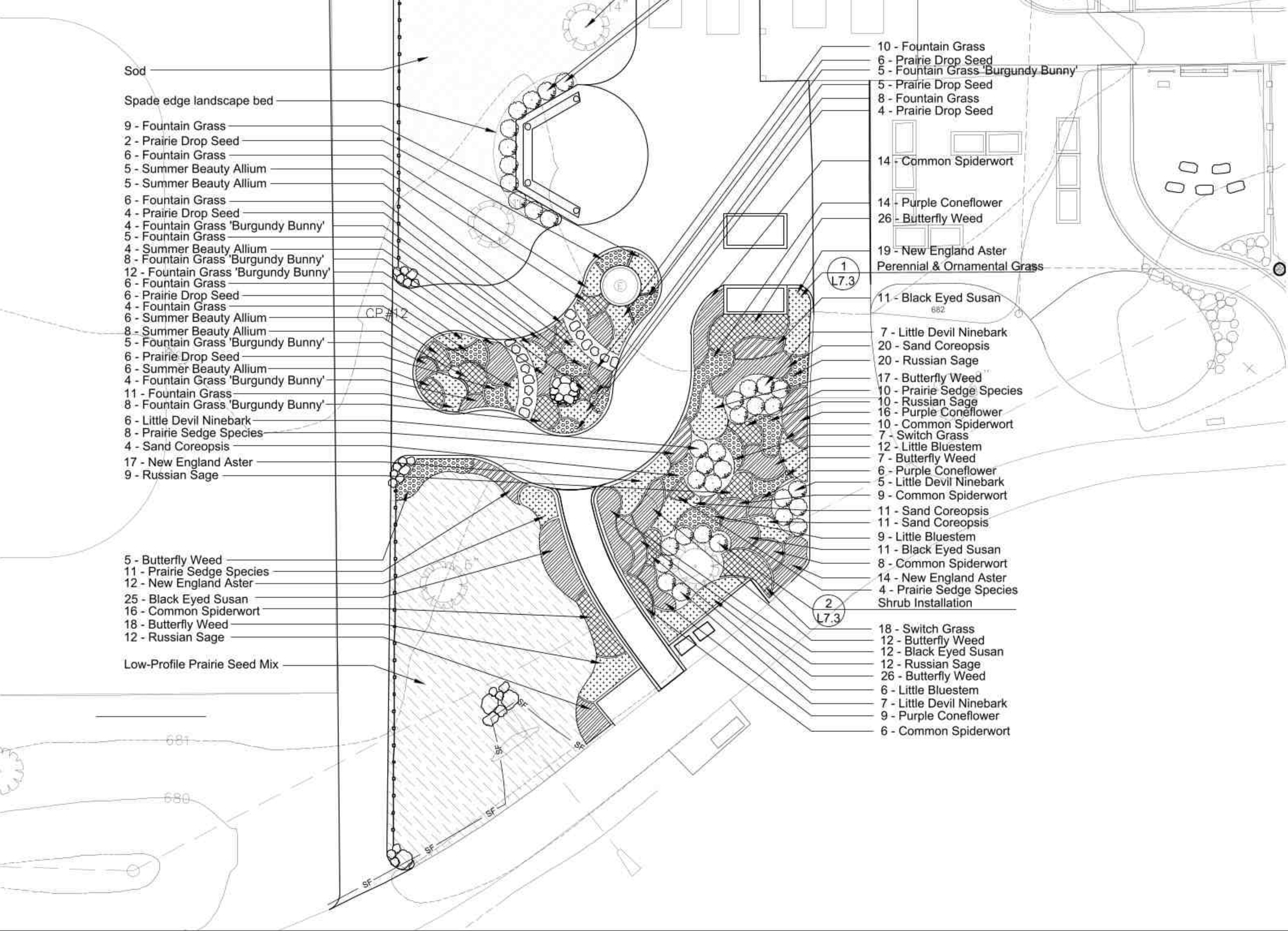
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SHEET TITLE
Utility Plan

SHEET NUMBER
L5.1

PLANT LIST

QTY	SIZE	BOTANICAL NAME	COMMON NAME
Deciduous Shrubs - Balled and Burlap or Pot			
36	24" ht.	<i>Physocarpus opulifolius</i> 'Donna May'	Little Devil Ninebark
36	Total		
Ornamental Grasses - Pots			
26	#1 cont.	<i>Panicum virgatum</i>	Switch Grass
27	#1 cont.	<i>Schizachyrium scoparium</i>	Little Bluestem
65	#1 cont.	<i>Pennisetum alopecuroides</i>	Fountain Grass
46	#1 cont.	<i>Pennisetum alopecuroides</i> 'Burgundy Bunny'	Fountain Grass 'Burgundy Bunny'
37	#1 cont.	<i>Sporobolus heterolepis</i>	Prairie Dropseed
33	#1 cont.	<i>Carex</i> spp.	Prairie Sedge Species
234	Total		
Perennials - Pots			
111	Quart.	<i>Asclepias tuberosa</i>	Butterfly Weed
45	Quart.	<i>Echinacea purpurea</i>	Purple Coneflower
62	#1 cont.	<i>Symphotrichum novae-angliae</i>	New England Aster
59	#1 cont.	<i>Rudbeckia hirta</i>	Black-Eyed Susan
63	#1 cont.	<i>Tradescantia ohioensis</i>	Common Spiderwort
46	#1 cont.	<i>Coreopsis lanceolata</i>	Sand Coreopsis
63	#1 cont.	<i>Perovskia atriplicifolia</i>	Russian Sage
34	#1 cont.	<i>Allium</i> 'Summer Beauty'	Summer Beauty Allium
483	Total		



GENERAL NOTES: LANDSCAPE

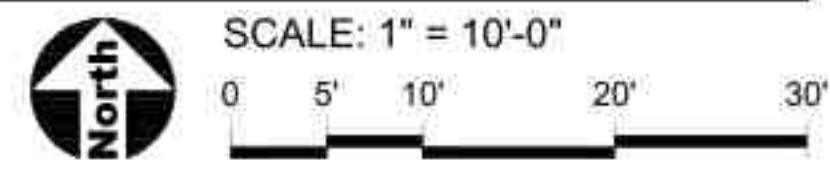
- Notes indicated on grading plans shall pertain to landscape plans. Final grade of planting beds shall be as per grading plan.
- The landscape contractor shall be responsible for making themselves familiar with all underground utilities and structures.
- All existing plant material and trees shall be saved and protected unless otherwise noted. Contractor to protect new and existing trees and landscaping from damage and shall restore all areas disturbed as a result of construction.
- Plant material shall be supplied from Northern Illinois nursery stock, shall be dug the planting season it is installed, and shall conform to the American Association of Nurseryman's standards.
- Plant material shall be size and type specified. Substitution of plant material shall be on a case by case basis and approved in writing by the Owner's Representative. In no case shall plant material be smaller than indicated in the plans.
- Do not willfully proceed with plantings as designed when it is obvious that obstructions and/or grade differences exist that may not have been known during the design process. Such conditions shall be immediately brought to the attention of the Owner's Representative.
- All plant material shall be inspected and approved by the Owner's Representative prior to the installation of any and all plant material.
- Plant locations shall be flagged in field with Owner's Rep. Final location of all plant material shall be subject to approval of the Owner's Representative prior to digging any holes. The landscape contractor is responsible for providing Owner's Representative with 48 hour minimum advance notice prior to planting.
- Plants shall be watered on the day they are planted and maintained with watering until final acceptance of the project.
- Apply a pre-emergent as per manufacturer's specification prior to installing mulch.
- Beds and tree rings (6" diameter) shall have 3" of hardwood shredded mulch applied and a 4" deep spade edge at lawn. Trees that are not located in beds, shall have a tree ring.
- Landscape plant material shall be guaranteed for 12 months from final acceptance. Any plant 1/3 dead or more shall be replaced under the guarantee.
- Contractor to prepare landscape beds by roto-tilling 2" of Mushroom Compost into new beds. Do not add compost nor roto-fill within drip line of existing trees.
- Lawn Seeding shall be under favorable weather conditions, and shall follow dates in specification.
- Turf mixes shall be installed and lawn established at all disturbed areas.
- Do not overseed into mulch beds, and paving.
- Contractor shall restore all areas disturbed as a result of construction.

LOW-PROFILE PRAIRIE SEED MIX

BOTANICAL NAME	COMMON NAME	PLS OZ/ACR
Permanent Grasses		
<i>Bouteloua curtipendula</i>	Side-Oats Grama	18
<i>Carex</i> spp.	Prairie Sedge Species	4
<i>Elymus canadensis</i>	Canada Wild Rye	32
<i>Koeleria macrantha</i>	June Grass	1
<i>Panicum virgatum</i>	Switch Grass	1
<i>Schizachyrium scoparium</i>	Little Bluestem	36
	Total	90
Temporary Cover		
<i>Avena sativa</i>	Common Oat	360
<i>Lolium multiflorum</i>	Annual Rye	100
	Total	460
Forbs		
<i>Amorpha canescens</i>	Lead Plant	0.5
<i>Asclepias syriaca</i>	Common Milkweed	2
<i>Asclepias tuberosa</i>	Butterfly Weed	2
<i>Baptisia alba</i>	White Wild Indigo	2
<i>Chamaecrista fasciculata</i>	Partridge Pea	10
<i>Coreopsis lanceolata</i>	Sand Coreopsis	5
<i>Coreopsis palmata</i>	Prairie Coreopsis	1
<i>Dalea candida</i>	White Prairie Clover	1.5
<i>Dalea purpurea</i>	Purple Prairie Clover	1.5
<i>Desmanthus illinoensis</i>	Illinois Sensitive Plant	3
<i>Echinacea purpurea</i>	Broad-Leaved Purple Coneflower	8
<i>Eryngium yuccifolium</i>	Rattlesnake Master	2
<i>Lespedeza capitata</i>	Round-Headed Bush Clover	2
<i>Liatris aspera</i>	Rough Blazing Star	0.5
<i>Lupinus perennis v. occidentalis</i>	Wild Lupine	4
<i>Monarda fistulosa</i>	Wild Bergamot	0.5
<i>Oligoneuron rigidum</i>	Stiff Goldenrod	1
<i>Parthenium integrifolium</i>	Wild Quinine	1
<i>Penstemon digitalis</i>	Foxglove Beard Tongue	0.5
<i>Penstemon hirsutus</i>	Hairy Beard Tongue	1
<i>Ratibida pinnata</i>	Yellow Coneflower	4
<i>Rudbeckia hirta</i>	Black-Eyed Susan	5
<i>Rudbeckia subtomentosa</i>	Sweet Black-Eyed Susan	1
<i>Silphium terebinthinaceum</i>	Prairie Dock	1
<i>Solidago speciosa</i>	Showy Goldenrod	0.5
<i>Symphotrichum ericoides</i>	Heath Aster	0.25
<i>Symphotrichum laeve</i>	Smooth Blue Aster	1
<i>Symphotrichum novae-angliae</i>	New England Aster	0.5
<i>Tradescantia ohioensis</i>	Common Spiderwort	1

LEGEND

- Shrub
- Sod
- Perennial and Groundcover (hatch symbol varies)
- Upland Native Seed Mix
- CL Construction Limits / Construction Fence



530 Bernard Drive
Buffalo Grove, Illinois 60089
Phone: 847-850-2100

PROJECT
**Raupp
Museum
Nature
Classroom
Development
Phase II**

1000 N Buffalo Grove Road,
Buffalo Grove, Illinois 60089



Landscape Architecture & Park Planning
1250 W 18th St, Chicago, Illinois 60608
24042 Lockport St, Plainfield, Illinois 60544
815-254-0091 www.uplandDesign.com

CIVIL ENGINEER
Gewalt Hamilton Associates, Inc.
625 Forest Edge Drive
Vernon Hills, Illinois 60061
Phone: 847-478-9700

REVISIONS

NO.	DATE	DESCRIPTION

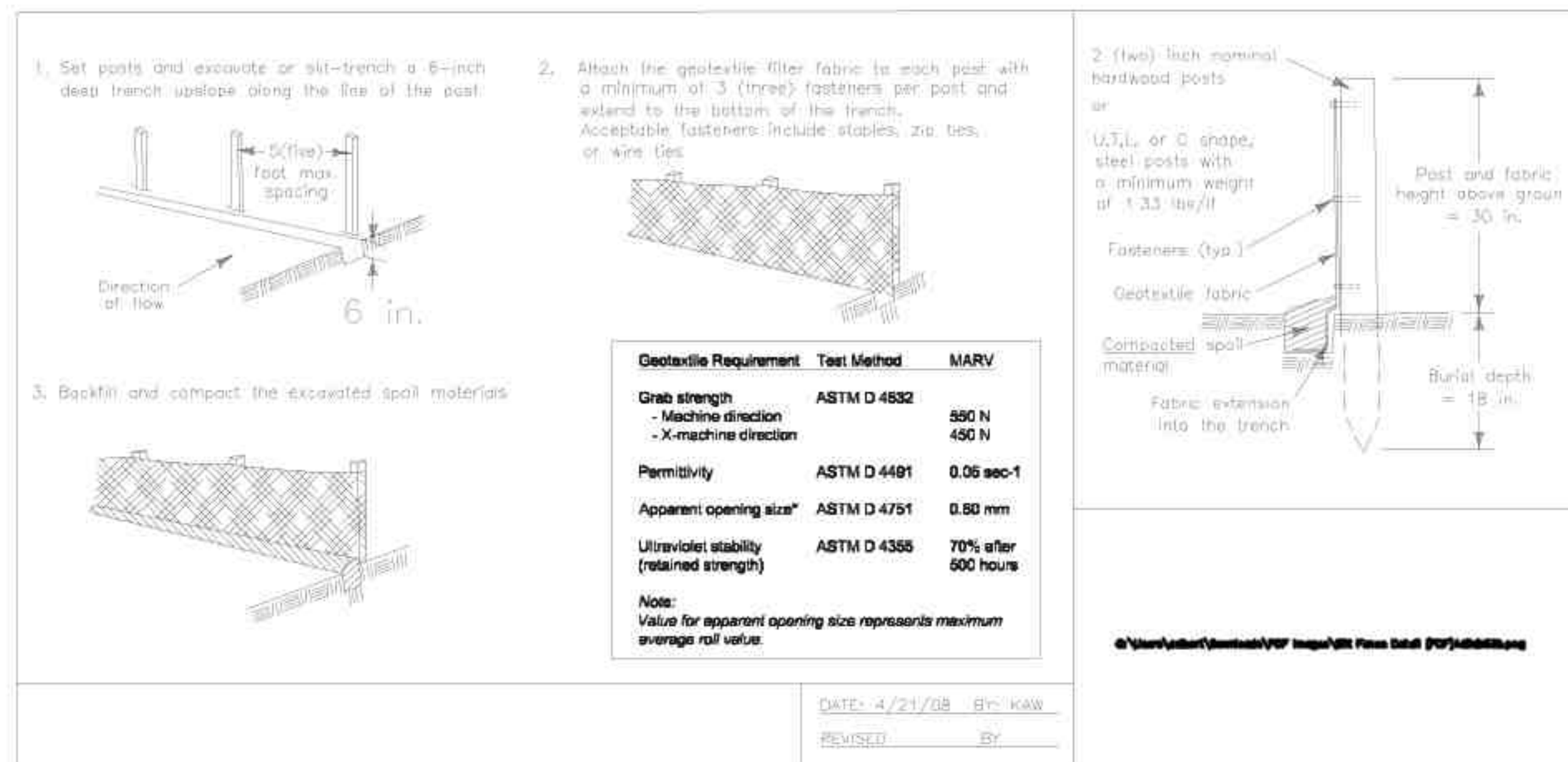
ORIGINAL ISSUE DATE

PROJECT NUMBER
1086

SHEET TITLE
**Landscape
Plan**

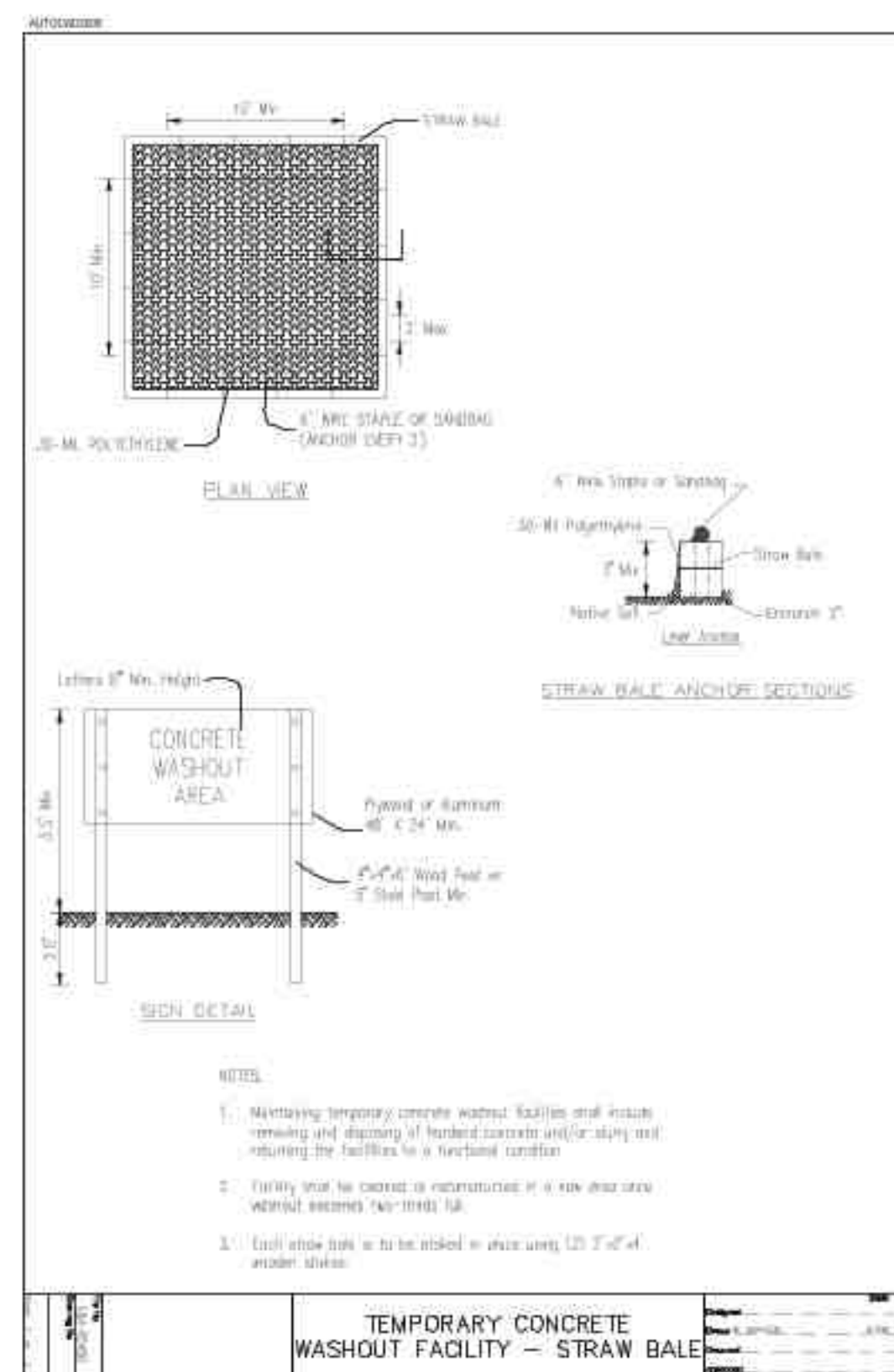
SHEET NUMBER

L6.0



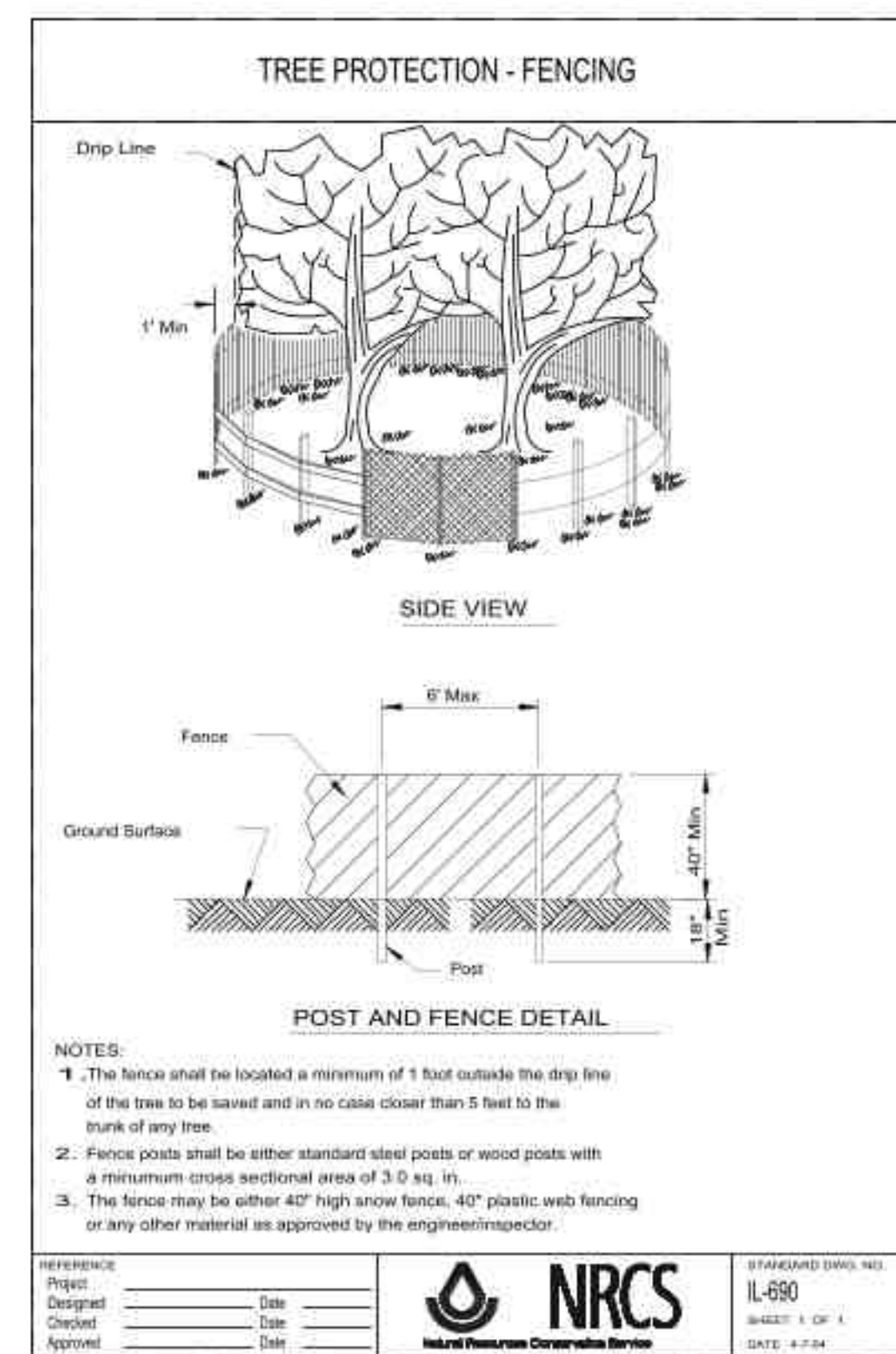
1 Silt Fence
SCALE: NTS

d-IUM-620B-silt fence_12



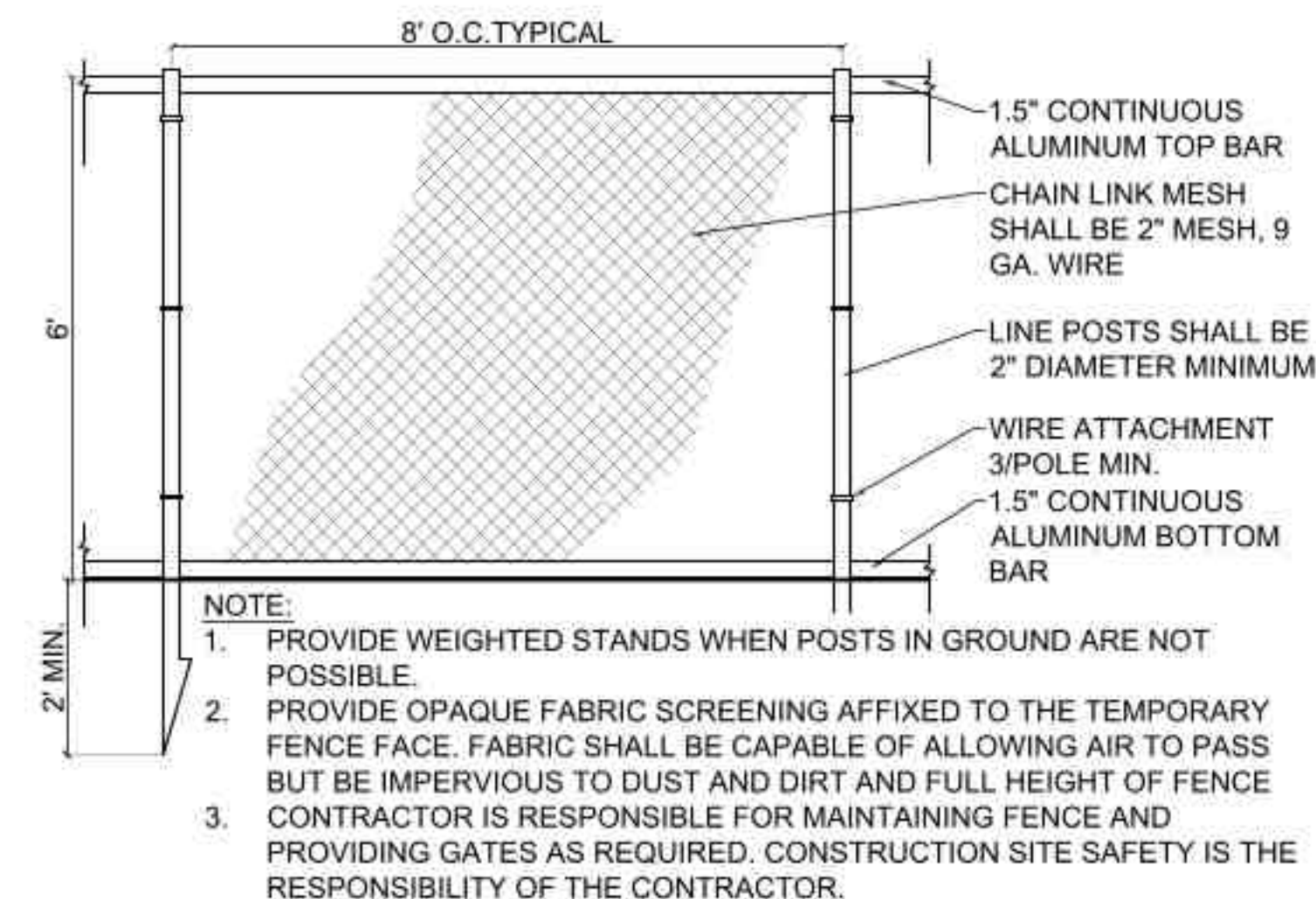
2 Temporary Concrete Washout
SCALE: NTS

d-IUM-654SB-concrete washout_12



3 Tree Protection Fence
SCALE: NTS

d-NRCS-IL690-tree protection fence_12



4 6' High Construction Fence
SCALE: 1/2"=1'-0"

Construction Fence_24



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PROJECT TEAM



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SHEET TITLE

**Construction
Details**

SHEET NUMBER

L7.0

PROJECT
Raupp Museum Nature Classroom Development Phase II

1000 N Buffalo Grove Road,
Buffalo Grove, Illinois 60089

PROJECT TEAM



CIVIL ENGINEER
Gewalt Hamilton Associates, Inc.
625 Forest Edge Drive
Vernon Hills, Illinois 60061
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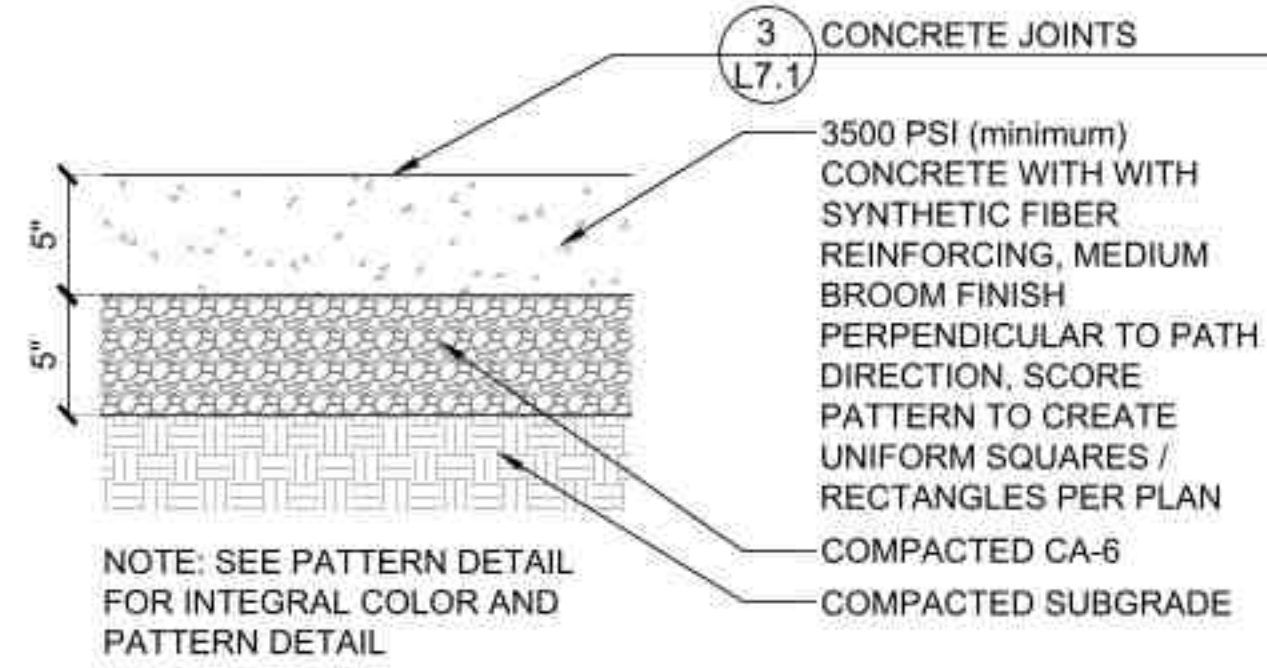
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Construction Details

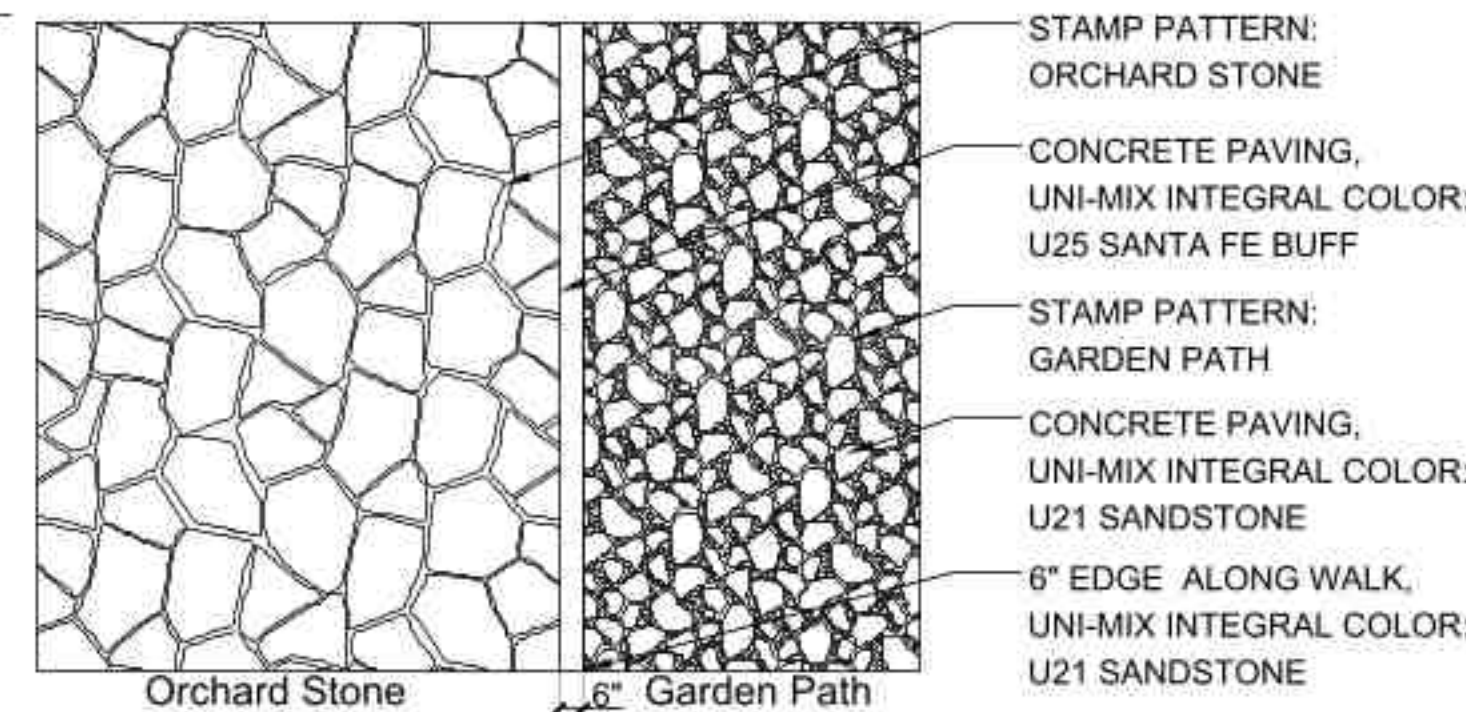
SHEET NUMBER

L7.1

- NOTES:
1. INSTALL PER MANUFACTURER'S RECOMMENDATIONS.
 2. INTEGRAL COLOR AND STAMP PATTERN AS MANUFACTURED BY BUTTERFIELD COLOR OR APPROVED EQUAL.
 3. CONTRACTOR SHALL APPLY CLEAR LIQUID RELEASE AGENT AND SILANE / SILOXANE SEALER.
 4. SUBMIT ALL COLOR AND STAMP SAMPLES FOR APPROVAL BY OWNER'S REPRESENTATIVE FOR APPROVAL.

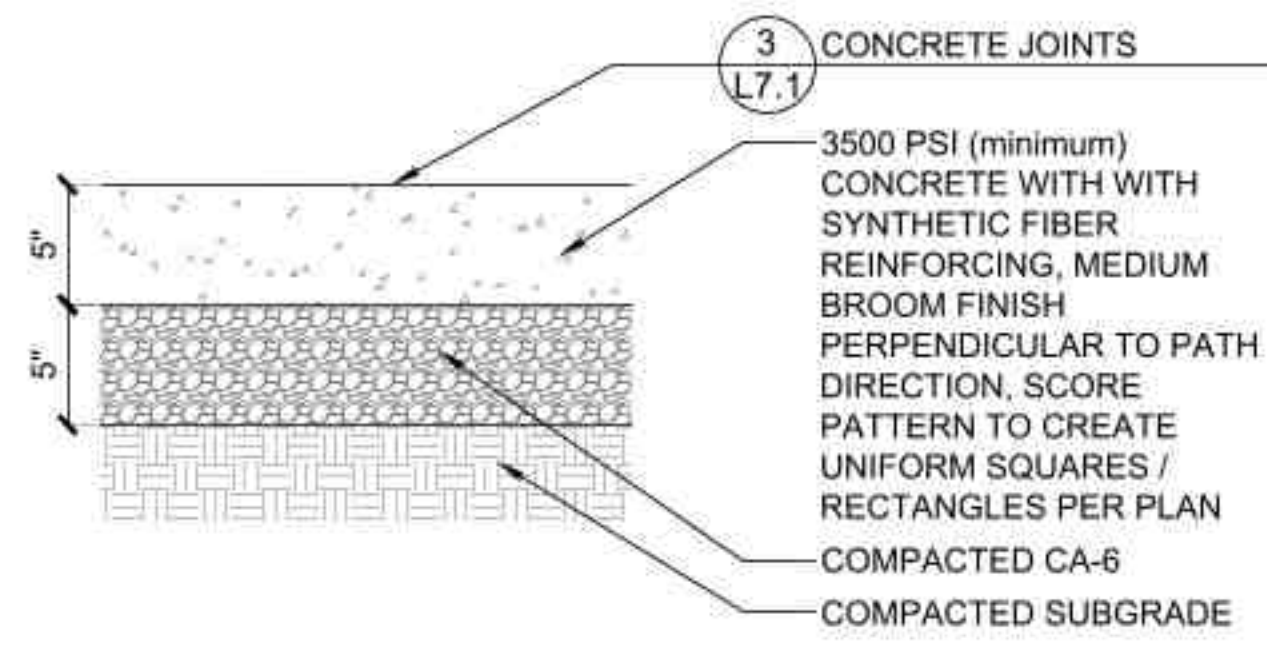


1 Concrete Paving
SCALE: 1 1/2" = 1'-0"
d-conc pav-5_B

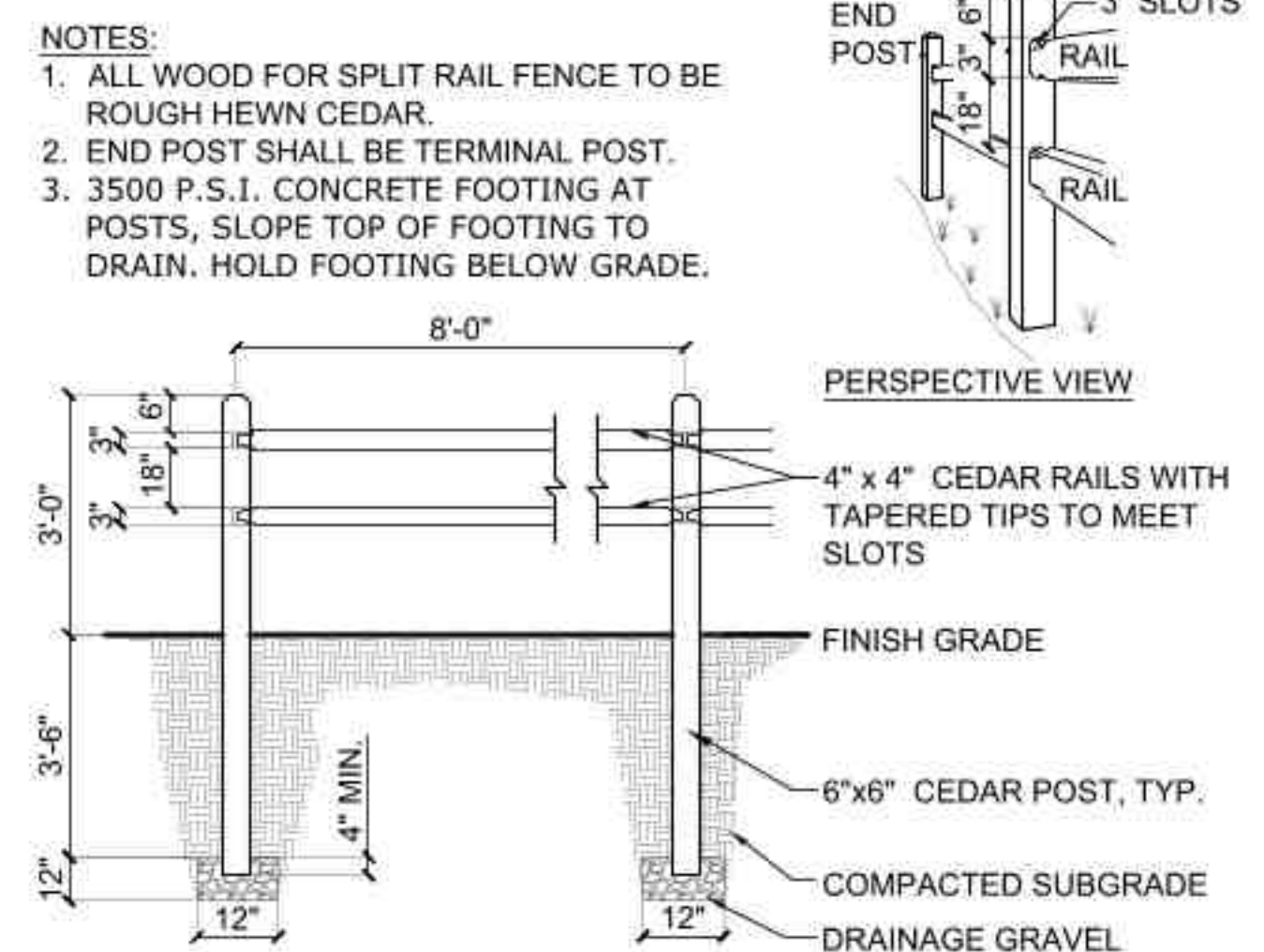


4 Stamped Concrete Pattern
SCALE: 1/4" = 1'-0"
d-concrete stamp_48

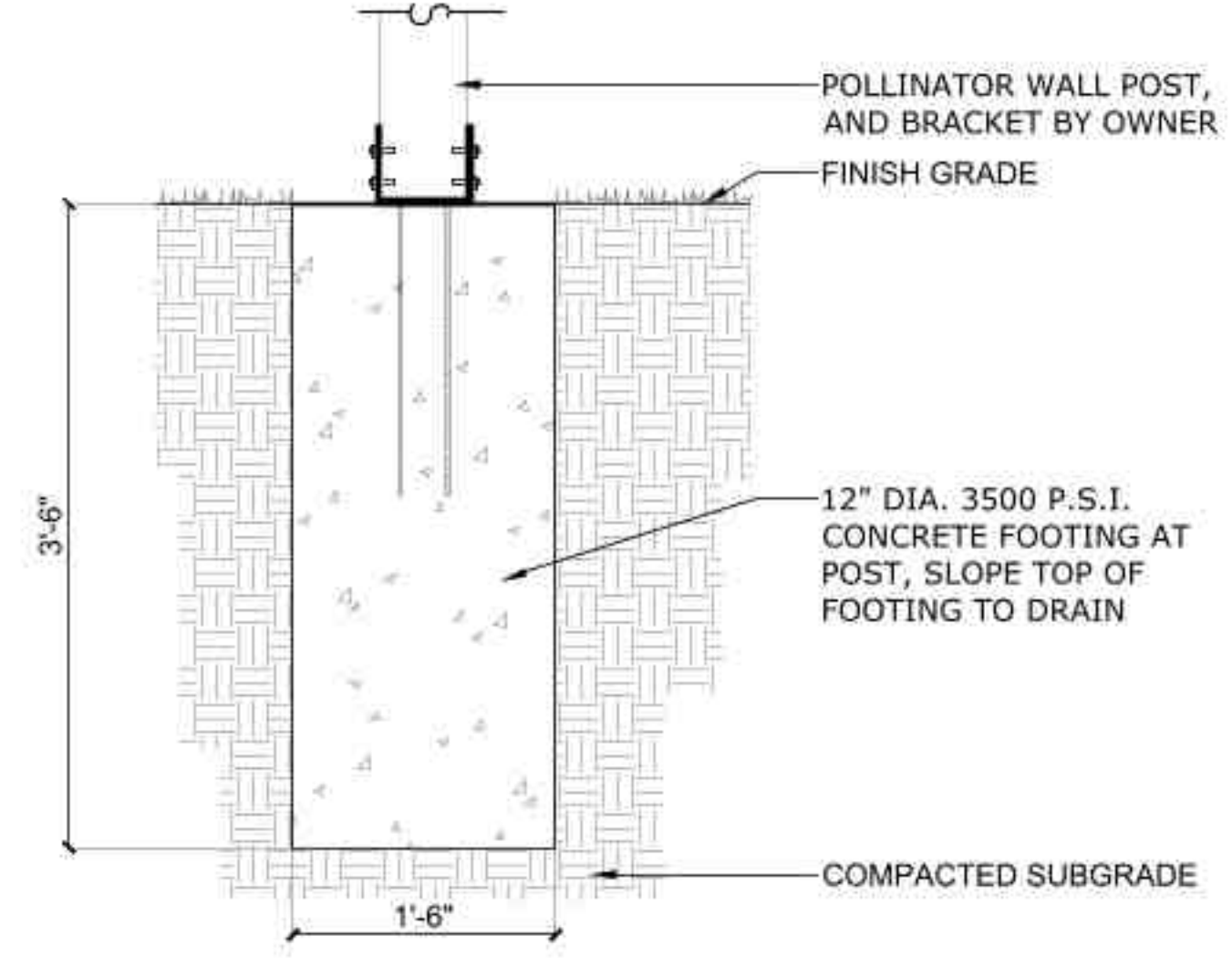
- NOTES:
1. INTEGRAL COLOR UNI-MIX COLORS: U25 SANTA FE BUFF, U21 SANDSTONE



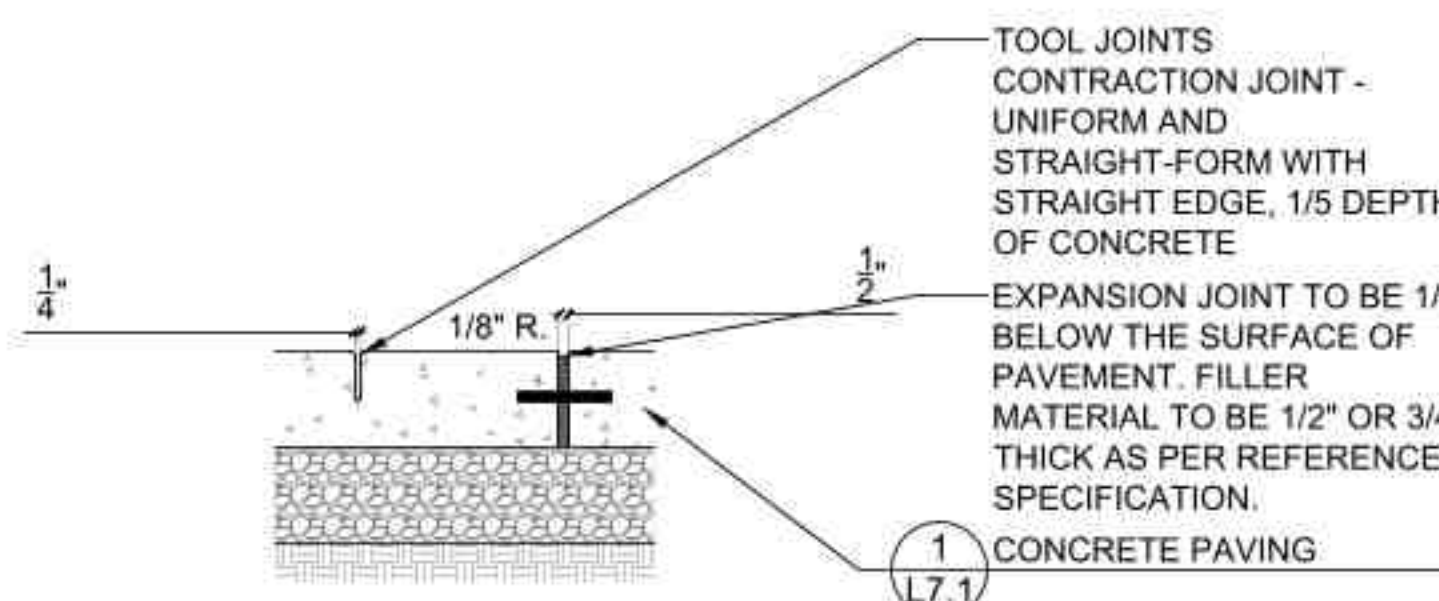
2 Paving - Integral Color
SCALE: 1 1/2" = 1'-0"
d-conc pav-5_B



5 Split Rail Fence
SCALE: N.T.S.
d-fence_split_rail_4'_12.dwg

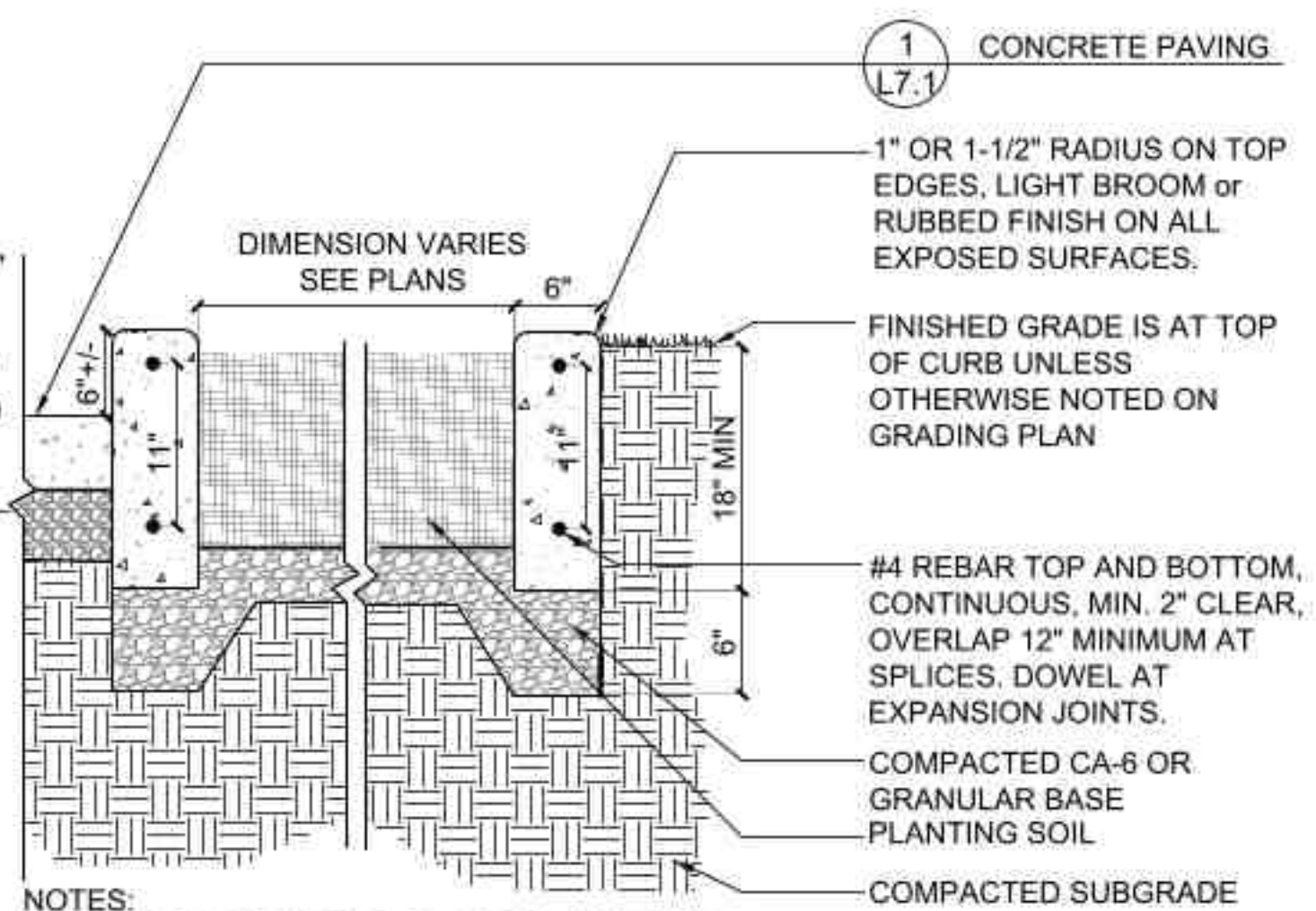


7 Pollinator Wall Post Footing
SCALE: 1" = 1'-0"
d-fence-footing at conc_12.dwg

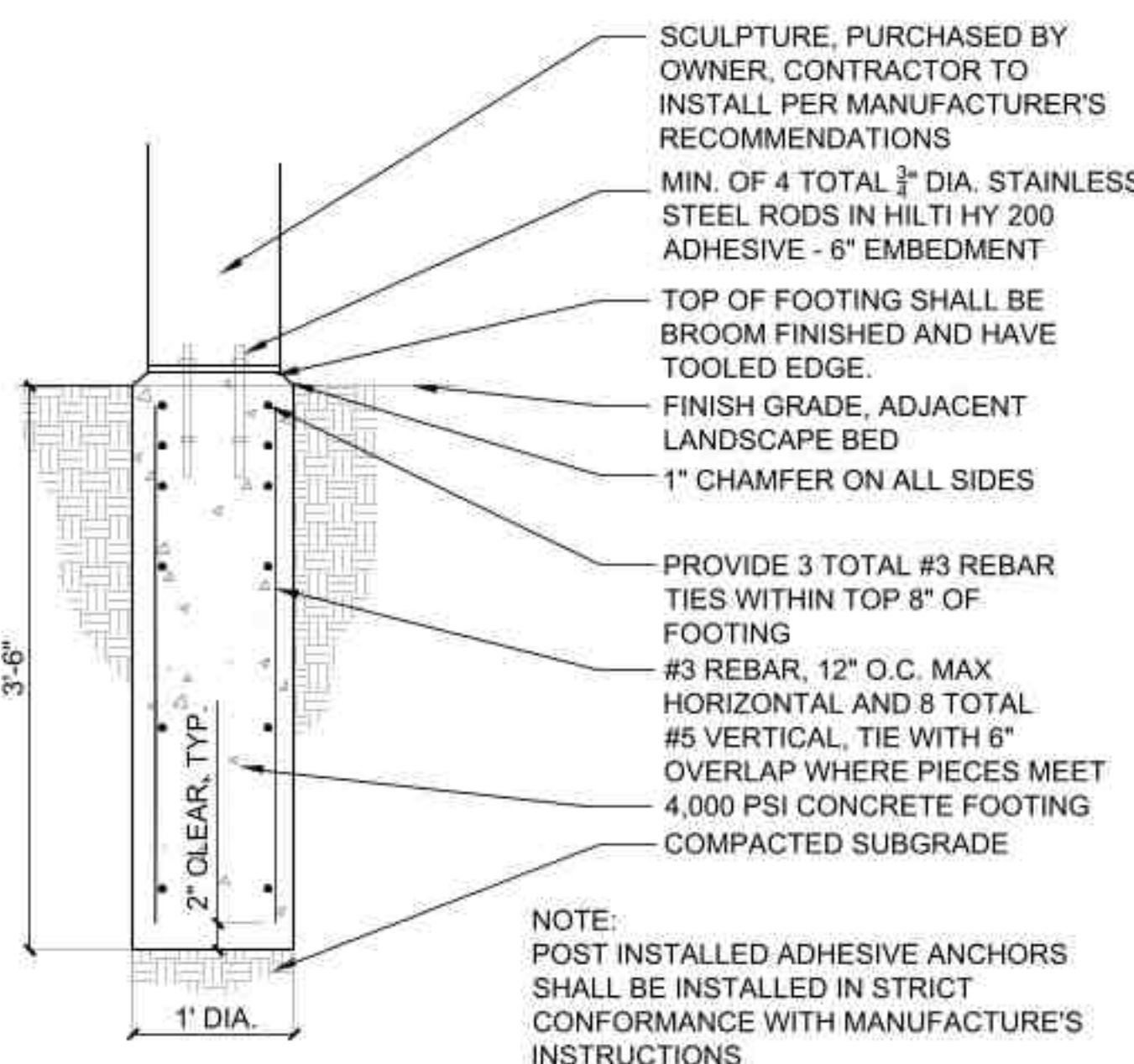


- NOTES:
1. JOINTS PLAN TAKES PRIORITY OVER NOTES EXCEPT FOR MAXIMUM SPACING.
 2. CONTRACTION JOINTS TO BE PLACED 10' O.C. MAXIMUM
 3. EXPANSION JOINTS TO BE PLACED 30' O.C. MAXIMUM
 4. PLACE EXPANSION JOINTS BETWEEN NEW CONCRETE POURS AND INSTALL 8" EPOXY COATED BARS, 12" O.C.
 5. CURB JOINTS TO MATCH CONCRETE PAVING WHERE APPLICABLE
 6. NO 'CALIFORNIA JOINTS'

3 Concrete Joints
SCALE: 1 1/2" = 1'-0"
d-conc_joints_8.dwg



6 Raised Curb Planter
SCALE: 1" = 1'-0"
del-curb play



8 Sculpture Footing
SCALE: 1" = 1'-0"
d-sculpture-footing_12

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Raupp Museum Nature Classroom Development Phase II

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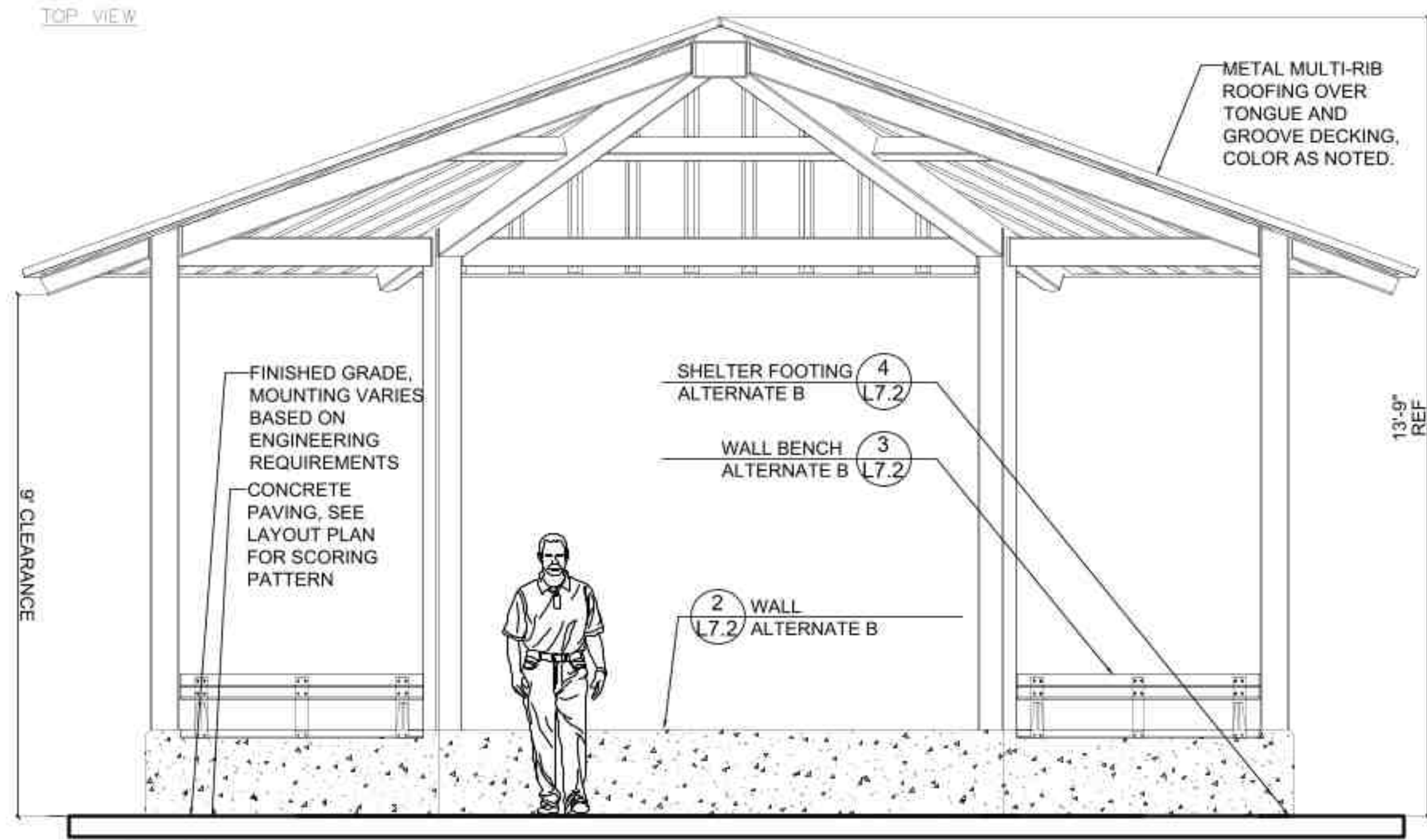
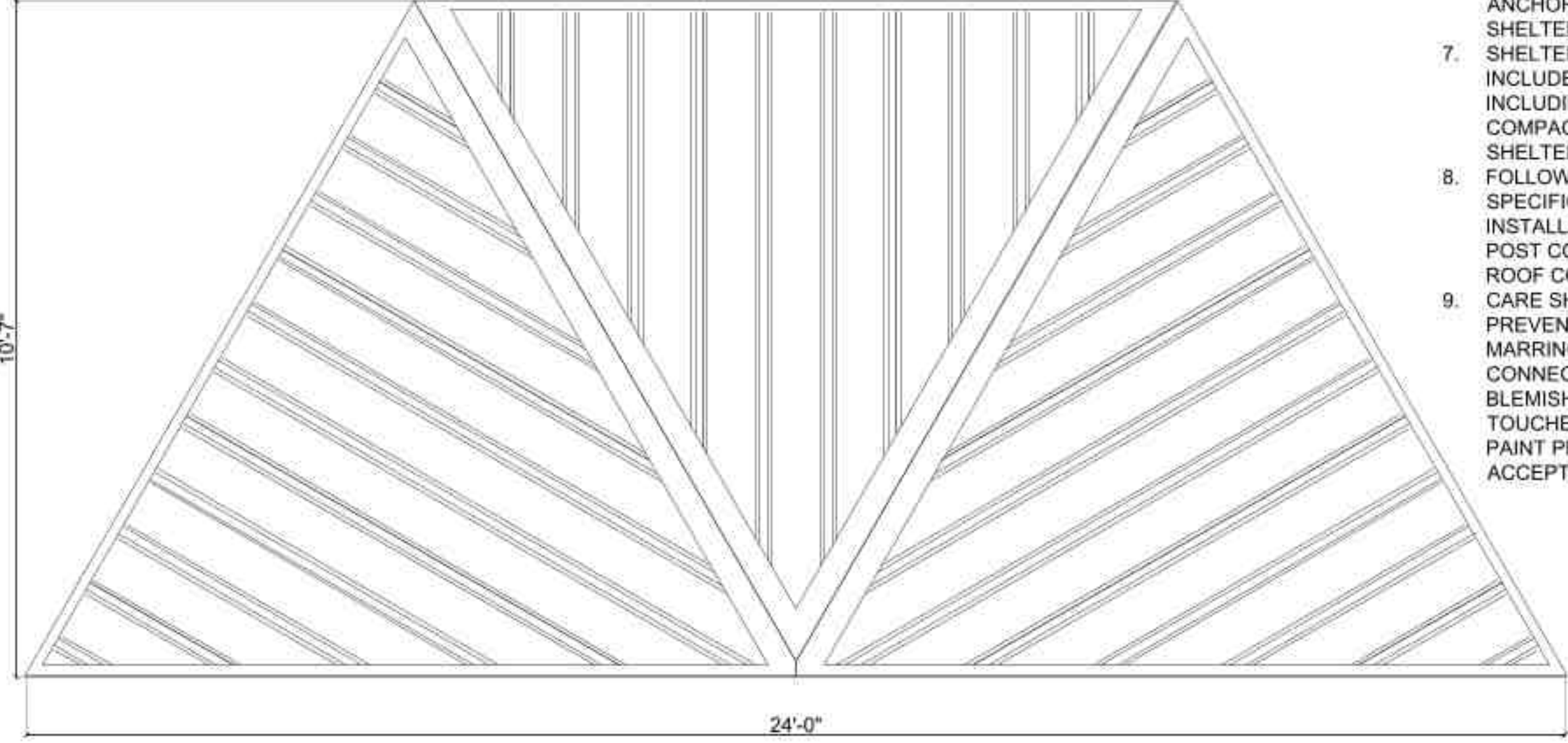
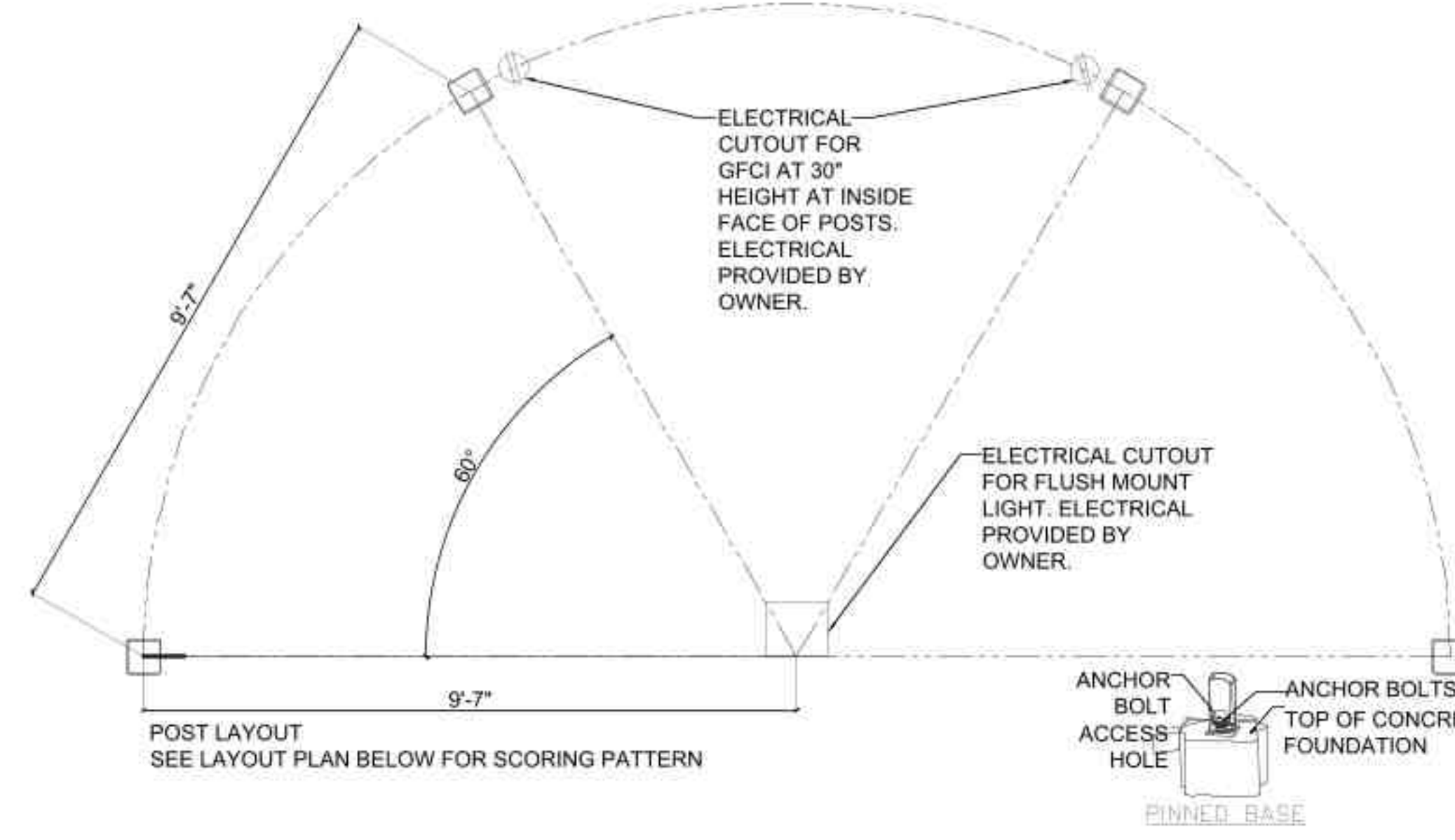
PROJECT NUMBER
1086

SHEET TITLE
Construction Details

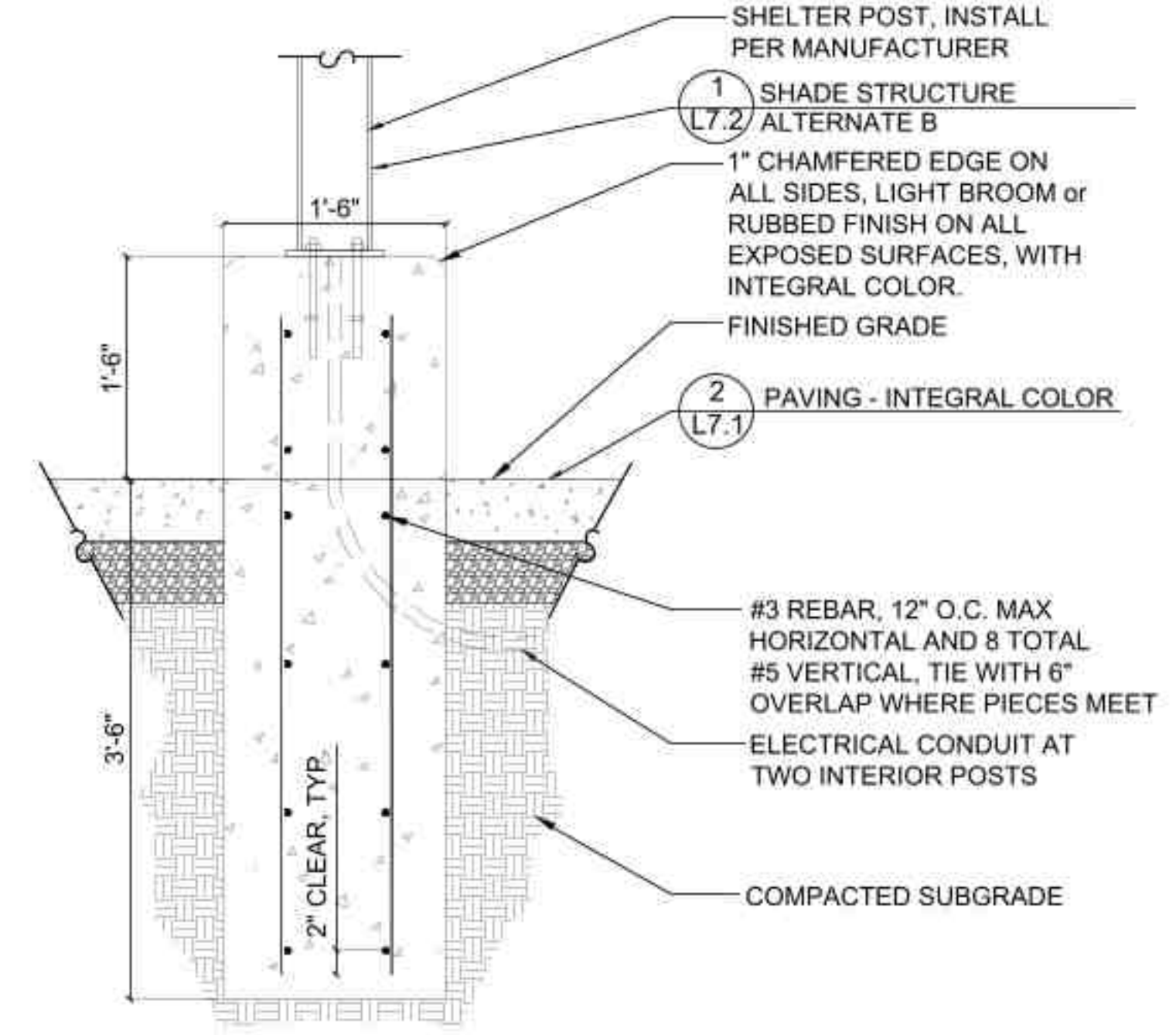
SHEET NUMBER

L7.2

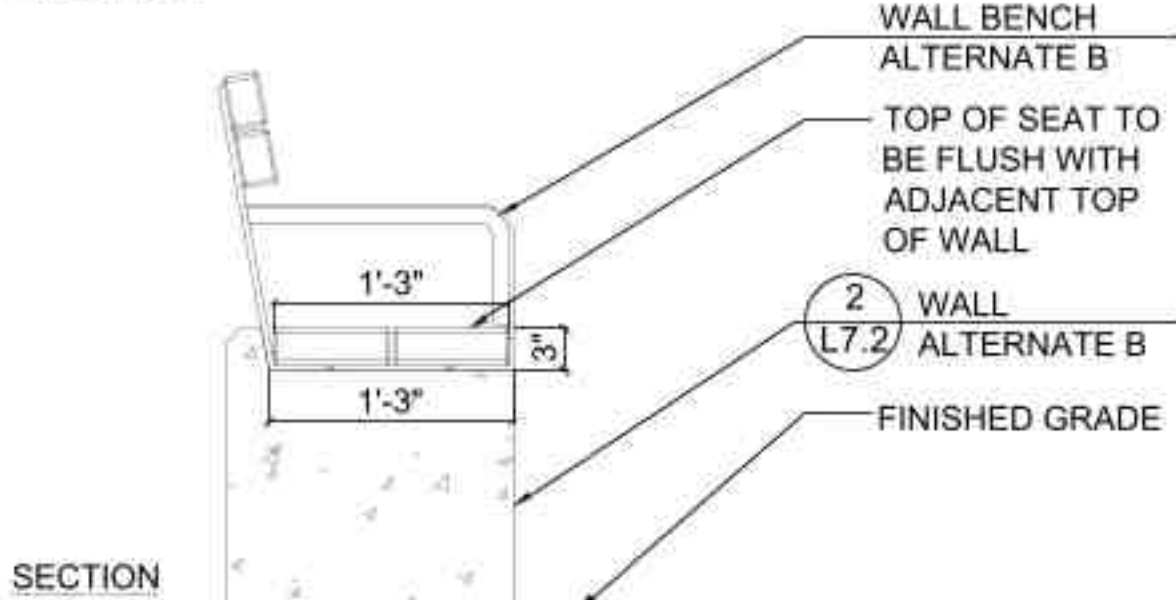
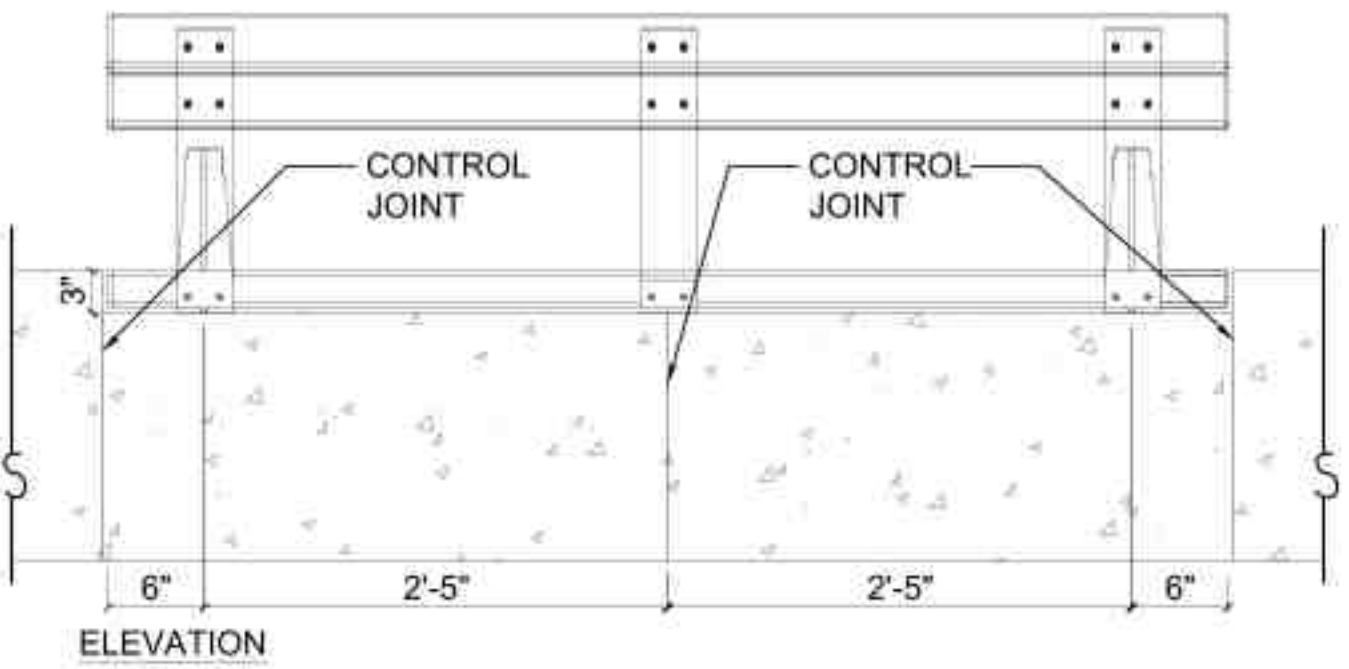
- SHELTER NOTES:**
MANUFACTURER: POLIGON, A PRODUCT OF PORTERCORP. AS BASIS OF DESIGN.
- CONTRACTOR TO PROVIDE ALL NECESSARY MATERIALS AND EQUIPMENT FOR A COMPLETE INSTALLATION.
 - CONTRACTOR TO ORDER, TAKE DELIVERY OF SHELTER AND INSTALL COMPLETE. UNCRATE, CHECK, DELIVER TO SITE AND FULLY ASSEMBLE AND INSTALL.
 - ALL WOOD COMPONENTS INCLUDING FACIA, POSTS BEAMS, AND TONGUE AND GROOVE DECKING, TO BE FINISHED WITH ONE COAT OIL PRIMER AND TWO COATS SOLID COLOR ARBORCOAT PREMIUM ACRYLIC STAIN BY BENJAMIN MOORE. SUBMIT COLOR CHART TO OWNER'S REPRESENTATIVE FOR COLOR CHOICE.
 - ALL METAL COMPONENTS TO BE FACTORY POWDERCOATED. SEE SPECIFICATION FOR DETAILED SHELTER ROOF NOTES. SUBMIT SAMPLES TO OWNER'S REPRESENTATIVE FOR APPROVAL.
 - SHELTER POSTS TO SET ON FOOTING AND ATTACHED TO ANCHOR BOLT SUPPLIED WITH SHELTER.
 - SHELTER BID ITEMS TO INCLUDE COMPLETE SHELTER INCLUDING FOOTINGS, FILL & COMPACTION UNDER SHELTER.
 - FOLLOW MANUFACTURER'S SPECIFICATIONS FOR INSTALLATION INSTRUCTIONS. POST COLOR: SURREY BEIGE, ROOF COLOR EVERGREEN.
 - CARE SHALL BE TAKEN TO PREVENT SCRATCHING AND MARRING OF PAINT ON STEEL CONNECTORS. ANY BLEMISHES SHALL BE TOUCHED-UP WITH MATCHING PAINT PRIOR TO FINAL ACCEPTANCE.



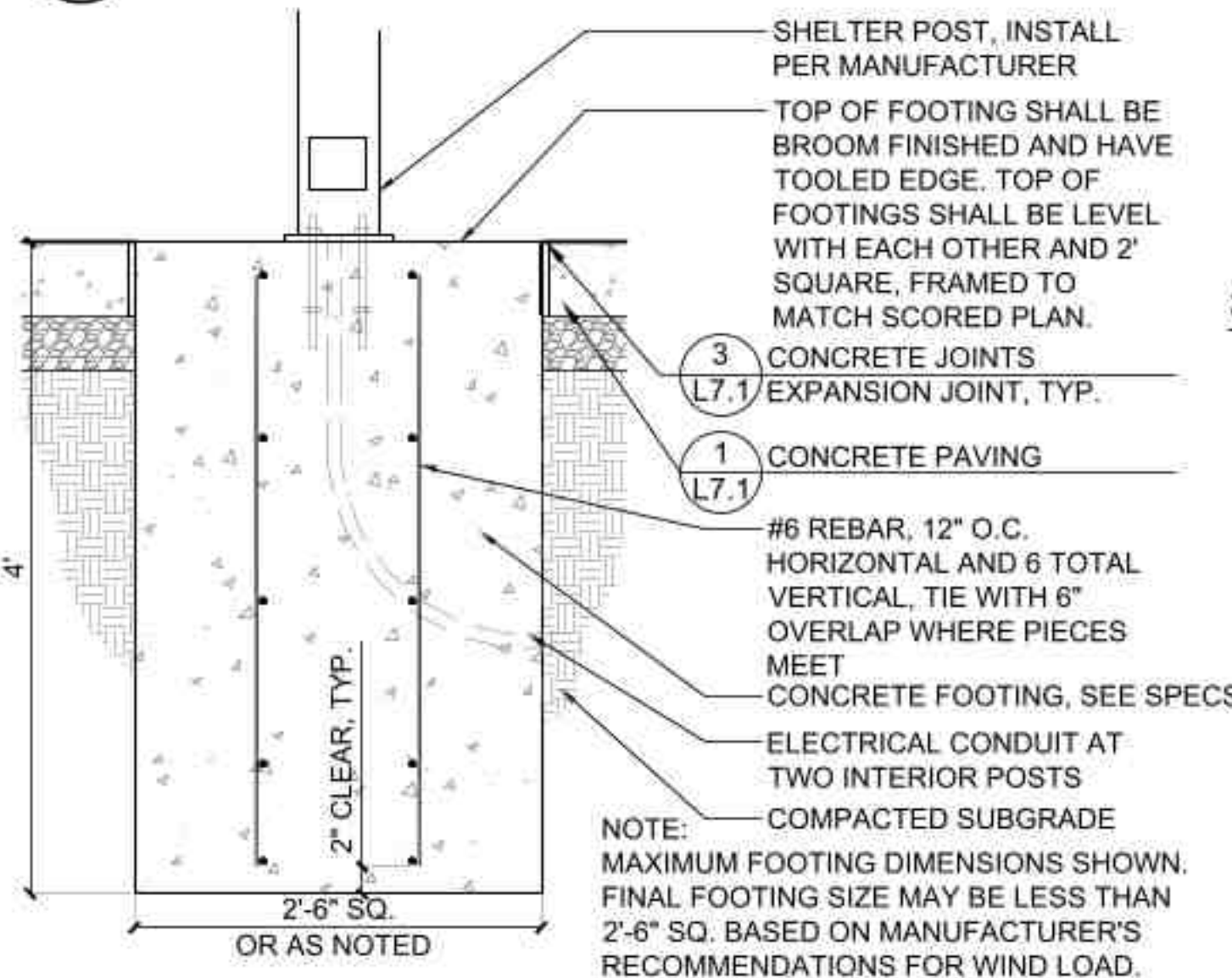
1 Shade Structure - Alternate B
SCALE: Not to Scale



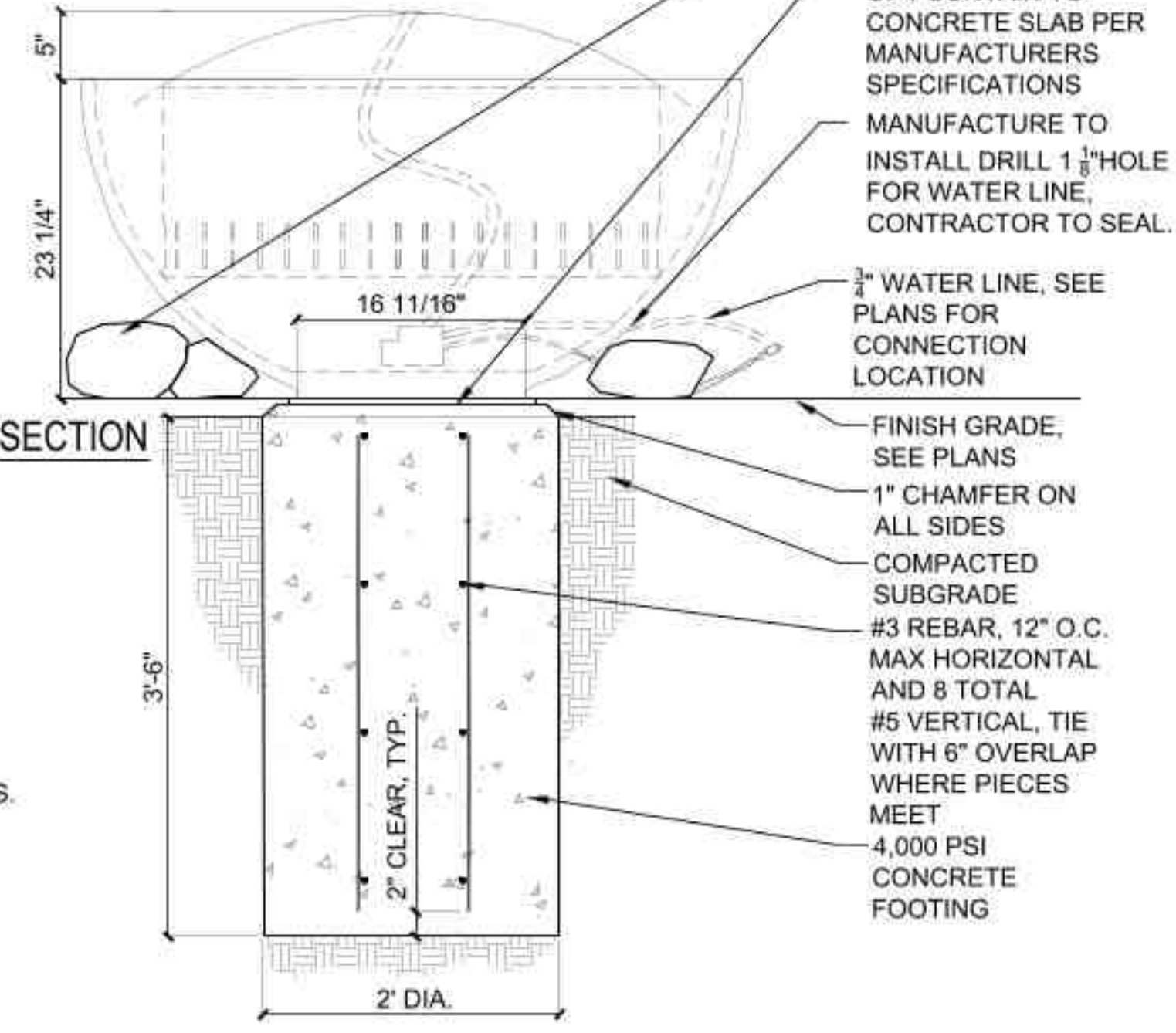
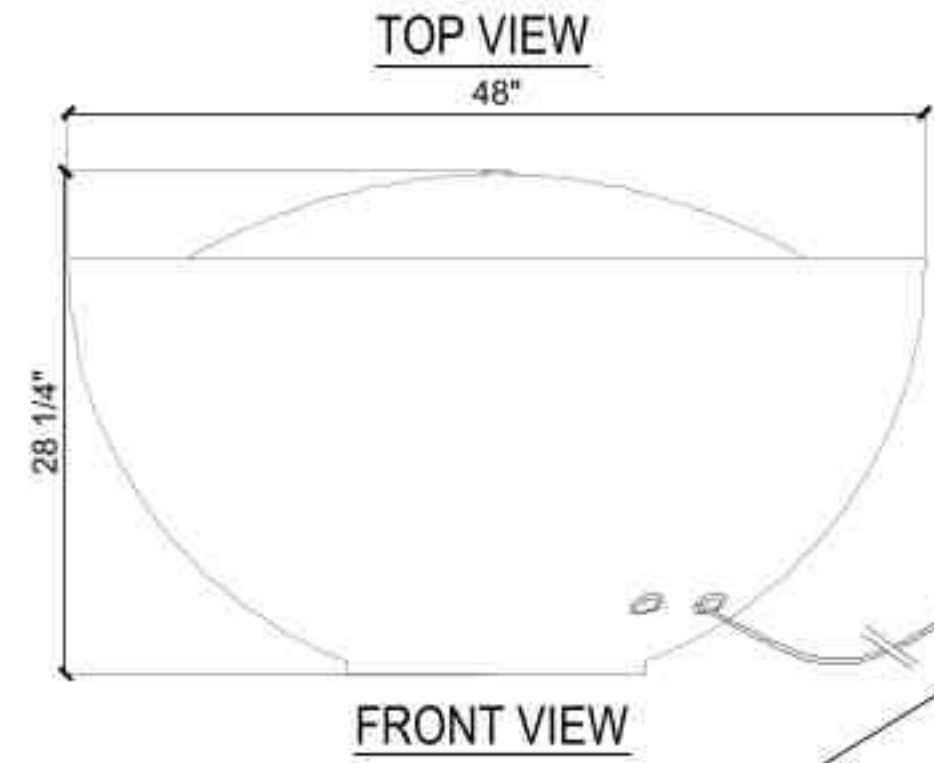
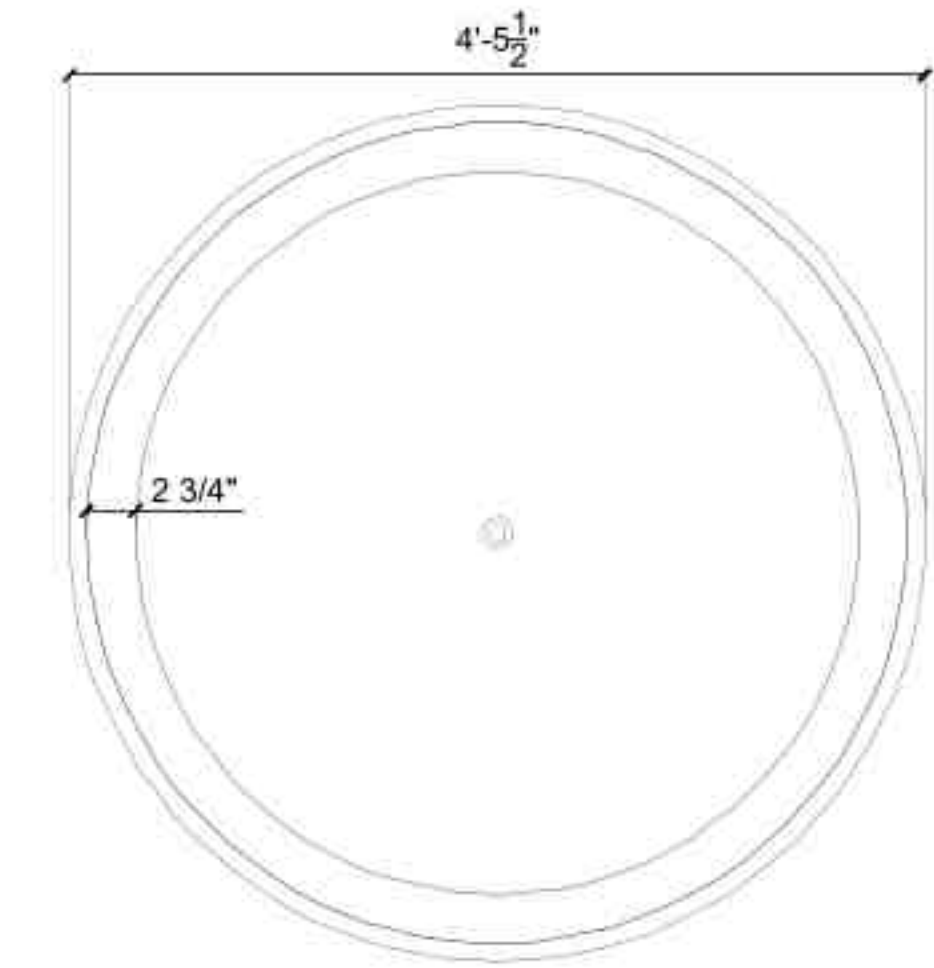
2 Wall - Alternate B
SCALE: 1"=1'-0"



3 Wall Bench - Alternate B
SCALE: 1"=1'-0"

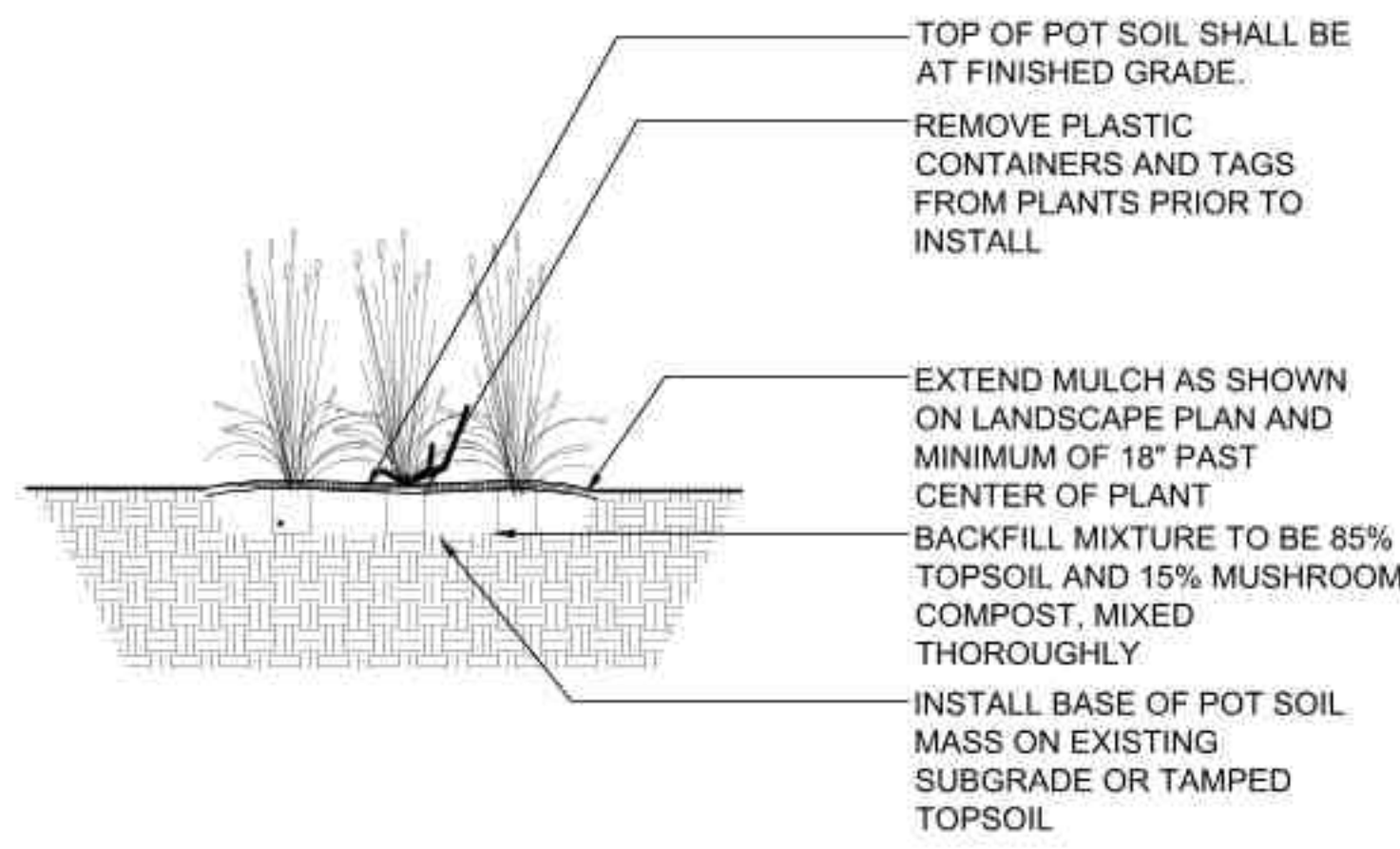


4 Shelter Footing - Alternate B
SCALE: 1"=1'-0" det-shelter-footing_12

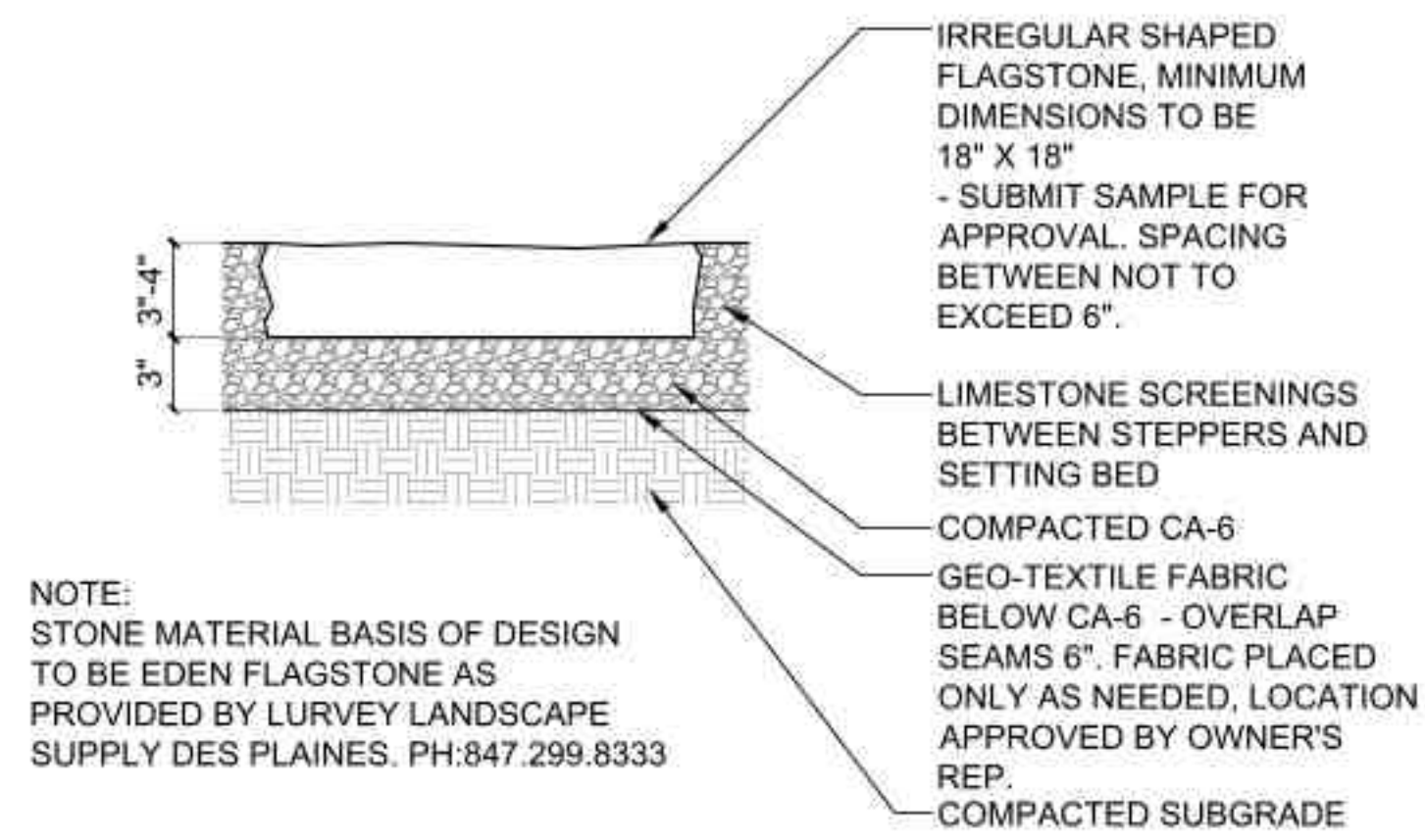


5 Fountain - Alternate C
SCALE: 1"=1'-0"

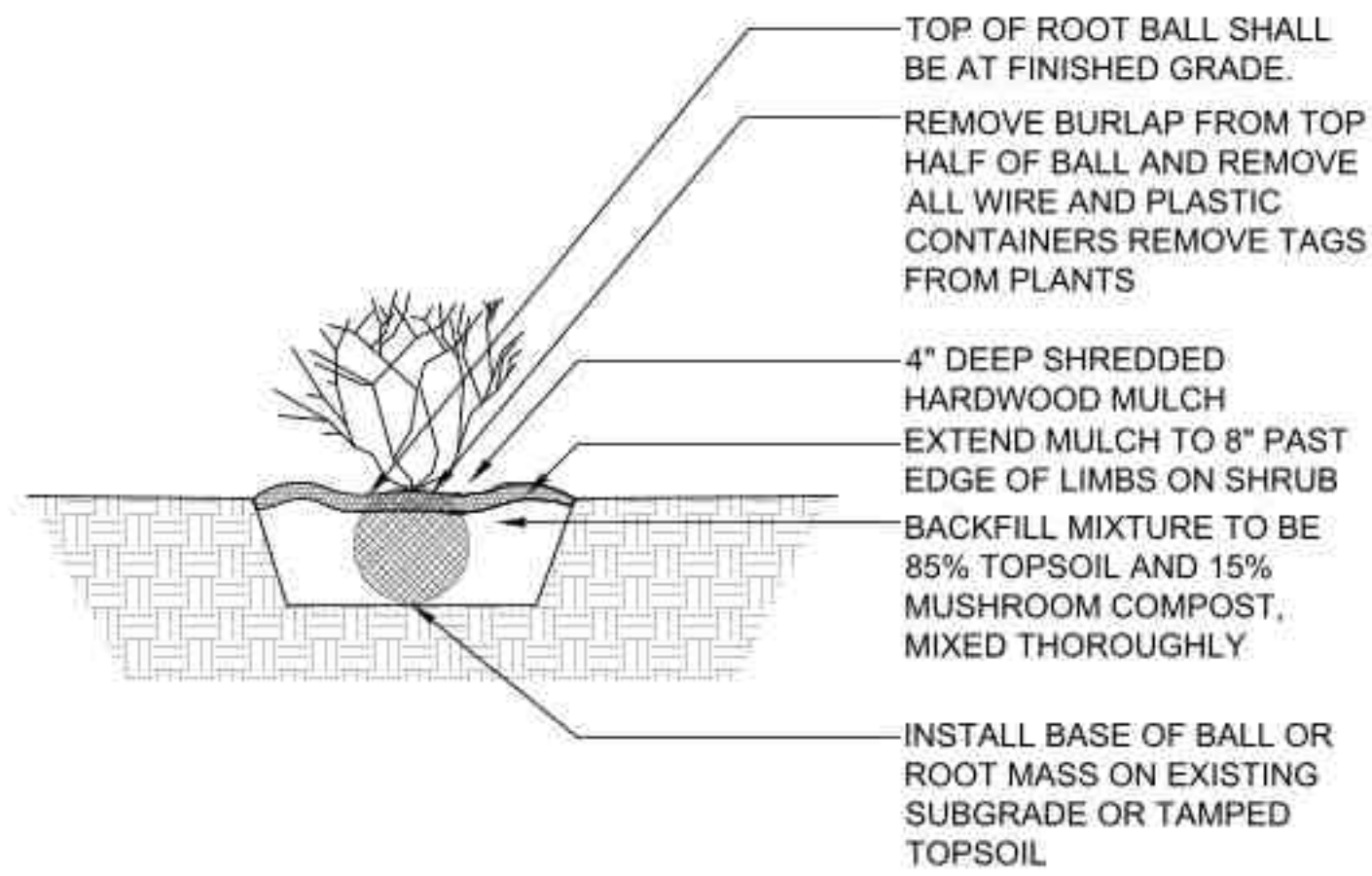
- NOTES:**
- FOLLOW MANUFACTURER'S SPECIFICATIONS FOR INSTALLATION INSTRUCTIONS. CONTRACTOR TO PURCHASE FLOATER FOR WATER LEVEL REGULATION, PER MANUFACTURER'S RECOMMENDATIONS. CONNECT TO GFCI OUTLET PER PLANS
 - LANDSCAPE BOULDERS (L7.3)



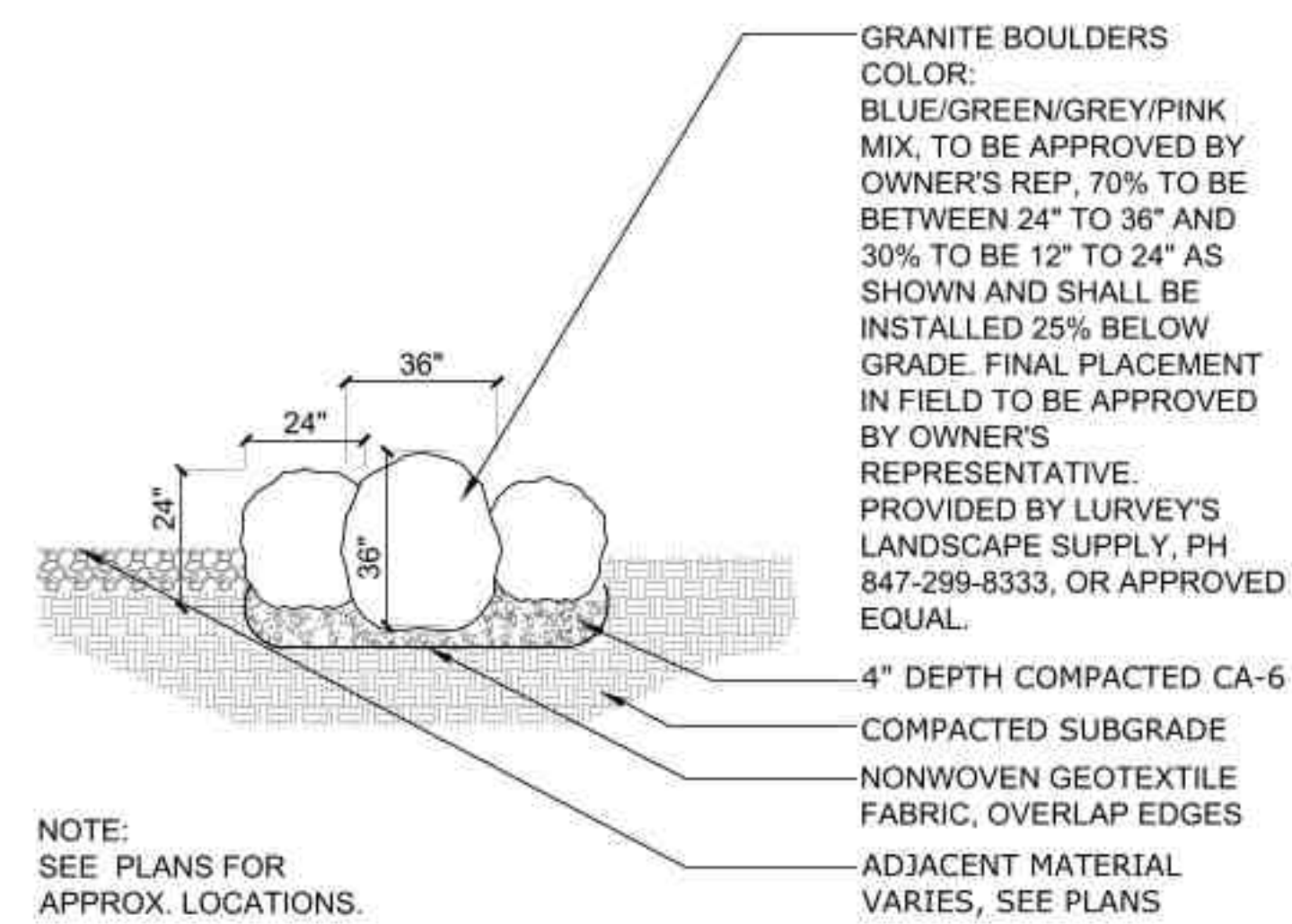
1 Perennial & Ornamental Grass Installation
SCALE: 1" = 1'-0" d-perennials



4 Limestone Steppers - Irregular
SCALE: 1 1/2" = 1'-0" d-limestone steppers_8



2 Shrub Installation
SCALE: N.T.S. d-plant-shrub_12



3 Landscape Boulders
SCALE: N.T.S. d-plant_granite boulder_12.dwg

PROJECT
Raupp Museum Nature Classroom Development Phase II

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PROJECT TEAM

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Phone: 847-478-9700

REVISIONS

AJ/MB	ISSUE FOR BID	06DEC2022

ORIGINAL ISSUE DATE

PROJECT NUMBER
1086

SHEET TITLE

Construction Details

SHEET NUMBER

L7.3

Doty & Sons Concrete Products, Inc.
SYCAMORE PICNIC TABLE
ITEM - T7384 Wheelchair Accessible

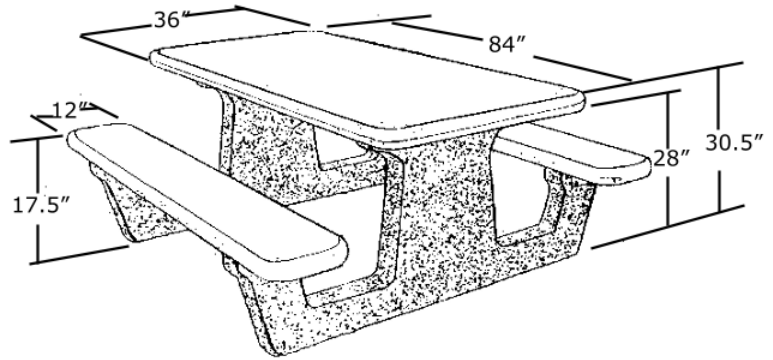
DIMENSIONS:

Total Size:
84" Long x 68" Wide x 30 1/2" High

Total Weight: 1,620 lbs.

Top: 84" X 36" X 2 1/2", WT. 625 lbs.
Legs: 66" X 4" X 28", WT. 288 lbs each
Seats: 72" X 12" X 2 1/2", 180 lbs. each

Seating Capacity: 6 - 8 people



T7384 Sycamore Picnic Table

CONCRETE SPECIFICATIONS:

Sand: washed torpedo sand. Stone: 3/8" washed gravel. Cement: very light gray color, 7 to 7 1/2 bags per cubic yard. Water reducers used to increase strength & durability. Chemically entrained air (6-8%) causes concrete to be salt & chloride resistant. Average strength (after 28 days) - 5000 PSI (compression strength varies depending on chosen finish). Concrete cured indoors under plastic cover before exposure to outside elements.

REINFORCING: 3/8" steel rebar cages suspended in concrete.

All material used in this product meets ASTM standards.

FINISH:

Standard Finish is Light Sandblast finish: SB1, SB6 and SB7. Other SB finishes available by special order. See color brochure or visit www.dotyconcrete.com for more information. Samples available upon request.

OPTIONAL SEALER:

Optional Two (2) coats of Acrylic Sealer is strongly recommended to enhance and deepen the color of the finish and to provide protection against the elements. Your choice of Non-Gloss Sealer (ACR2) or Semi-Gloss Acrylic Sealer (ACR3).

HARDWARE: All necessary assembly hardware included.

ASSEMBLY: Assembly instructions included with each order.

*T7384 Wheelchair Accessible Sycamore
Picnic Table Updated 01/05/09
Spec. sht. folder*

Doty & Sons Concrete Products, Inc.
1275 E. State St., Sycamore, IL 60178
Toll Free: 800-233-3907 Fax: 815-895-8035
Web Site: www.dotyconcrete.com

Project Type (From Above)	Project Category (From Above)	Media File #/Name	Project Category Cost	ADA Portion of Project Category Cost	% ADA Dollars Requested
Routes and Surfaces	Design Services	Upland_Design_Nature_(19400	1940	10.00%
Routes and Surfaces	Walking Surfaces	Hacienda_Nature_Classr	5236	3272.5	62.50%
Routes and Surfaces	Accessible Routes	Hacienda_Nature_Classr	46496	29060	62.50%
Recreation Facilities	Benches-Picnic Tables	Hacienda_Nature_Classr	3900	3900	100.00%

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Total Project Cost	75032
Total ADA Portion of Project Cost	38172.5
Total % of ADA Dollars Requested	50.87%