

Samuels Elementary School Learning Landscape Playground Improvements

15 April, 2009

THIS MAP LEFT BLANK INTENTIONALLY.

GENERAL NOTES (ALL CONSTRUCTION)

- THE INFORMATION SHOWN ON THESE DRAWINGS CONCERNING TYPE AND LOCATION OF UNDERGROUND AND OTHER UTILITIES IS NOT GUARANTEED TO BE ACCURATE OR ALL INCLUSIVE. THE CONTRACTOR IS RESPONSIBLE FOR MAKING HIS OWN DETERMINATIONS AS TO THE TYPE AND LOCATION OF UNDERGROUND AND OTHER UTILITIES AS MAY BE NECESSARY TO AVOID DAMAGE THERETO. THE CONTRACTORS SHALL NOTIFY THE UTILITY COMPANIES IN ADVANCE OF THEIR CONSTRUCTION OPERATION TO ENABLE THEM TO FIELD LOCATE THEIR UTILITIES.
- THE CONTRACTOR SHALL VERIFY LOCATIONS OF ALL EXISTING UTILITIES AND REPORT FINDINGS TO THE OWNER PRIOR TO PROCEEDING WITH RELATED CONSTRUCTION. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO SATISFY HIMSELF THAT ALL EXISTING UTILITIES, WHETHER SHOWN ON THESE PLANS OR NOT, HAVE BEEN PROPERLY LOCATED. THE CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR THE PROTECTION OF UTILITIES AFFECTED BY THE EXECUTION OF THIS CONTRACT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING THE AFFECTED UTILITY COMPANY AND FOR THE COORDINATION OF ALL WORK IN THE PROXIMITY OF THE UTILITIES.
- IN ADVANCE OF NEW UTILITY CONSTRUCTION, THE CONTRACTOR IS REQUIRED TO POTHOLE ALL UTILITIES WHICH MAY BE IMPACTED BY THE PROJECT. ONCE EXPOSED, THE CONTRACTOR SHALL VERIFY THE VERTICAL AND HORIZONTAL LOCATIONS. THE CONTRACTOR SHALL NOTIFY THE OWNER OF THE LOCATIONS AND ANY POTENTIAL CONFLICTS. NO CONTRACTOR CLAIMS FOR EXTRA COMPENSATION DUE TO DELAYS WILL BE GRANTED TO THE CONTRACTOR FOR REDESIGN TIME NECESSITATED BY CHANGES IN ACTUAL LOCATIONS DUE TO HIS LACK OF FIELD VERIFICATION. IF THE CONTRACTOR HAS TO REDO CONSTRUCTION TO AVOID UTILITY CONFLICTS DUE TO HIS FAILURE TO POTHOLE EXISTING STRUCTURES IN ADVANCE OF NEW CONSTRUCTION, NO EXTRA COMPENSATION WILL BE GRANTED.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR RESTORING ALL SURFACES AND RELATED STRUCTURES SUCH AS DRIVEWAYS, CURBS, GUTTERS, WALKS, AND BITUMINOUS PAVEMENTS TO ORIGINAL CONDITIONS (OR BETTER) AND GRADES, UNLESS DESIGNATED OTHERWISE ON THE DRAWINGS. THE OWNER OR OWNER'S REPRESENTATIVE AND THE CONTRACTOR SHALL TOGETHER COORDINATE THE DOCUMENTATION OF EXISTING GRADES AND OTHER INFORMATION PRIOR TO ALL CONSTRUCTION ACTIVITIES.
- THE CONTRACTOR SHALL CONTACT THE UTILITY NOTIFICATION CENTER OF COLORADO (PHONE 1-800-922-1987) FOR THE MARKING OF UNDERGROUND UTILITIES AT LEAST 48 HOURS PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL TAKE PRECAUTIONARY MEASURES TO PROTECT ALL UTILITY LINES SHOWN AND OTHER UTILITY LINES OTHERWISE LOCATED.
- THE OWNER SHALL PROVIDE THE CONTRACTOR WITH A COMPLETE AND UPDATED SET OF CONSTRUCTION DRAWINGS. THESE DRAWINGS, AND ANY REQUIRED PERMITS, SHALL BE AT THE PROJECT SITE AT ALL TIMES. IF NO PLANS APPEAR ON THE PROJECT SITE, CONSTRUCTION ACTIVITIES MAY BE HALTED AT THE DISCRETION OF THE OWNER.
- BEFORE WORK BEGINS, THE CONTRACTOR SHALL OBTAIN, AT HIS OWN EXPENSE, ALL APPLICABLE CODES, LICENSES, STANDARDS, SPECIFICATIONS, PERMITS, BONDS, ETC. WHICH ARE NECESSARY TO PERFORM THE PROPOSED WORK AND MUST NOTIFY THE REQUIRED PARTIES AT LEAST 24 HOURS IN ADVANCE OF COMMENCING CONSTRUCTION ACTIVITIES.
- ALL SURPLUS MATERIAL, TOOLS, AND TEMPORARY STRUCTURES, FURNISHED BY THE CONTRACTOR, SHALL BE REMOVED FROM THE PROJECT SITE BY THE CONTRACTOR. ALL DEBRIS AND RUBBISH CAUSED BY THE OPERATIONS OF THE CONTRACTOR SHALL BE REMOVED, AND THE AREA OCCUPIED DURING CONSTRUCTION ACTIVITIES SHALL BE RESTORED TO ITS ORIGINAL CONDITION, WITHIN 48 HOURS OF PROJECT COMPLETION.
- THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING AND SCHEDULING RESOLUTION OF ANY CONFLICTS BETWEEN THE PROPOSED CONSTRUCTION AND EXISTING FACILITIES.
- EXISTING AND PROPOSED MANHOLE RIM ELEVATIONS AND VALVE BOXES SHALL BE ADJUSTED TO FINAL GRADE AS REQUIRED.
- ANY CONSTRUCTION RELATED TO EXISTING UTILITIES SHALL BE DONE IN A WAY SO AS TO MINIMIZE DISRUPTION IN SERVICE TO EXISTING USERS.
- ANY CONSTRUCTION DEBRIS OR MUD DROPPED INTO MANHOLES, INLETS, PIPES OR TRACKED ONTO EXISTING ROADWAYS SHALL BE REMOVED IMMEDIATELY BY THE CONTRACTOR. THE CONTRACTOR SHALL REPAIR ANY EXCAVATIONS OR PAVEMENT FAILURES CAUSED BY HIS CONSTRUCTION. THE CONTRACTOR SHALL PROPERLY BARRICADE THE CONSTRUCTION SITE UNTIL CONSTRUCTION IS COMPLETE.
- THE CONTRACTOR SHALL BE SOLELY AND COMPLETELY RESPONSIBLE FOR CONDITIONS AT AND ADJACENT TO THE JOB SITE, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY DURING PERFORMANCE OF THE WORK. THE CONTRACTOR SHALL PROVIDE ALL LIGHTS, SIGNS, BARRICADES, FLAGMEN, OR OTHER DEVICES NECESSARY TO PROVIDE FOR PUBLIC SAFETY. THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL AND REPLACEMENT OF ALL MATERIALS WITHIN DEDICATED RIGHT-OF-WAYS AND ALL MATERIALS AND WORKMANSHIP SHALL MEET THE ROADWAY DESIGN AND CONSTRUCTION STANDARDS OF THE APPROPRIATE GOVERNING AGENCY.
- WATER SHALL BE USED AS A DUST PALLIATIVE WHERE REQUIRED. LOCATIONS AND FREQUENCIES SHALL BE TO THE SATISFACTION OF THE ENGINEER. WATER WILL NOT BE PAID FOR SEPARATELY BUT WILL BE INCLUDED IN THE WORK.
- THE CONTRACTOR SHALL PROVIDE ALL LABOR AND MATERIALS TO PERFORM THE WORK. THE OWNER SHALL HIRE A TESTING AGENCY TO PERFORM ALL TESTING AND THE CONTRACTOR SHALL COORDINATE & COOPERATE THIS TESTING WITH HIS WORK. REQUIRED TESTING MUST BE DONE PRIOR TO ACCEPTANCE. CONSTRUCTION SHALL BE CONDUCTED SUCH THAT EMERGENCY ACCESS IS MAINTAINED THROUGHOUT THE DURATION OF CONSTRUCTION.
- THE CONTRACTOR SHALL MAINTAIN SIDEWALKS & DRIVES IN CLEAN USABLE CONDITION.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING THE OWNER (DENVER PUBLIC SCHOOL, DISTRICT NO. 1) AT LEAST 48 HOURS PRIOR TO START OF ANY CONSTRUCTION. IF WORK IS SUSPENDED FOR ANY PERIOD OF TIME AFTER INITIAL STARTUP, THE CONTRACTOR SHALL NOTIFY THE OWNER 48 HOURS PRIOR TO RESTART.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING THE CITY AND COUNTY OF DENVER FIRE DEPARTMENT OF ALL STREET CLOSINGS AND EXISTING FIRE HYDRANTS TAKEN OUT OF SERVICE AT LEAST 48 HOURS PRIOR TO THE START OF CONSTRUCTION.

CONCRETE CONSTRUCTION NOTES

- DESIGN REQUIREMENTS AND MATERIAL SPECIFICATIONS SHALL CONFORM TO THE FOLLOWING REFERENCED CODES:
 - UNIFORM BUILDING CODE
 - ACI-318-99
- CONCRETE
 - SCHEDULE OF CONCRETE MIXES - SEE WRITTEN SPECIFICATIONS.
 - 28-DAY COMPRESSIVE STRENGTH UNLESS OTHERWISE NOTED.
 - USE TYPE II CEMENT.
 - WATER/CEMENTIOUS RATIO - SEE WRITTEN SPECIFICATIONS.
 - SPECIFIER MAY ALLOW AN ADJUSTMENT IN SLUMP USING ADMIXTURES TO FACILITATE PLACEMENT SO LONG AS THE W/C OF THE APPROVED MIX DESIGN IS MAINTAINED.
 - WRA - WATER REDUCING ADMIXTURE.
 - AGGREGATES SHALL CONFORM TO REQUIREMENTS OF ASTM C-33.
 - THE AIR CONTENT OF AIR-ENTRAINED CONCRETE WHEN SAMPLED FROM THE TRANSPORTATION UNIT AT THE POINT OF DISCHARGE SHALL BE WITHIN A TOLERANCE OF + 1.5 % OF THE SPECIFIED VALUE (ASTM C-94, PARAGRAPH 7.2).
- REINFORCING
 - ALL REINFORCING STEEL EXCEPT TIES SHALL BE NEW BILLET BARS IN ACCORDANCE WITH ASTM A 615 WITH A MINIMUM YIELD POINT OF 60,000 PSI.
 - ALL TIE REINFORCING STEEL SHALL BE NEW BILLET BARS IN ACCORDANCE WITH ASTM A 615 WITH A MINIMUM YIELD POINT OF 40,000 PSI.
 - DO NOT WELD OR REBEND ANY BARS WITH A YIELD POINT GREATER THAN 40,000 PSI.
 - REINFORCING PROTECTION
 - CONCRETE POURED AGAINST EARTH ----- 3.0 IN.
 - CONCRETE IN FORMS BUT EXPOSED TO EARTH OR WEATHER ---- 2.0 IN.
 - LAPS AND SPLICES
 - ALL BAR LENGTHS ARE DRAWN TO SCALE UNLESS NOTED OTHERWISE.
 - ALL SPLICES SHALL BE 36 BAR DIA. WITH A MINIMUM LAP OF 1'-6".
 - MAKE OUTSIDE BARS CONTINUOUS AROUND CORNERS.
 - DETAIL BARS AND PROVIDE ACCESSORIES NECESSARY TO SUPPORT BARS AT THEIR PROPER POSITIONS ACCORDING TO ACI DETAILING MANUAL, LATEST EDITION.
 - PLACE 2-#4 (1 EA. FACE) WITH 1'-6" PROJECTION AROUND ALL OPENINGS IN CONCRETE.
 - ALL CONCRETE WORK SHALL HAVE NO JOINTS IN A HORIZONTAL PLANE.
 - FIBER REINFORCEMENT - SEE WRITTEN SPECIFICATIONS.
- GENERAL
 - PROVIDE SLEEVES FOR ALL PIPES PLACED THROUGH CONCRETE.
 - ARCHITECTS APPROVAL MUST BE SECURED FOR ALL SUBSTITUTIONS.

ABBREVIATIONS

BB	BASKETBALL BACKSTOP AND POLE
BOC	BOTTOM OF CURB
BOF	BOTTOM OF FOOTING
BOW	BOTTOM OF WALL
BS	BOTTOM OF STEP
BW	BACK OF WALL
CL	CENTER LINE
EWf	ENGINEERED WOOD FIBER
FG	FINISH GRADE
FG (EWf)	FINISH GRADE OF EWf
FL	FLOWLINE
G	GRADE
GB	GRADE BREAK
HP	HIGH POINT
LP	LOW POINT
ME	MATCH EXISTING
NIC	NOT IN CONTRACT
OC	ON CENTER
P	PAVEMENT
POB	POINT OF BEGINNING
TB	TETHERBALL POLE
TOC	TOP OF CURB
TOF	TOP OF FOOTING
TOM	TOP OF MULCH (EWf)
TOW	TOP OF WALL
TS	TOP OF STEP
TYP	TYPICAL

VICINITY MAP NTS

SHEET DESCRIPTION

STRIKE THROUGHS INDICATE SHEETS DELIBERATELY EXCLUDED FROM THIS 50% SUBMITTAL SET.

OWNER	Denver Public Schools 2800 W. 7th Avenue Denver, CO 80204	G1.1 1 COVER
		G1.2 2 SURVEY
LANDSCAPE ARCHITECT	GPD Land Design, LLC 4668 S. Xavier Street Denver, CO 80236 303.788.9604 303.788.9977 (fax) gpdlanddesign.com	C1.1 3 C0.1 HORIZONTAL CONTROL POINTS & NOTES
		C0.1 4 C1.1 CIVIL SITE LAYOUT PLAN
		C1.1 5 C2.1 GRADING & DRAINAGE PLAN
		C2.1 6 C3.0 EROSION CONTROL NOTES
		C3.0 7 C3.1 EROSION CONTROL PLAN
		C3.1 8 C3.3 EROSION CONTROL DETAILS
		C3.3 9 C3.4 EROSION CONTROL DETAILS
CIVIL ENGINEER	Brown Civil Engineering 990 S. Public Rd., Suite 2B Lafayette, CO80026 303.551.8910 303.551.8940 (fax) www.BrownCivilEngineering.com	C3.4 10 C8.1 DETAILS SHEET
		C3.5 11 C8.2 DETAILS SHEET
		C3.6 12 C8.3 DETAILS SHEET
		L1.1 13 DEMOLITION PLAN
		L1.2 14 LANDSCAPE PLAN
		L1.3 15 HORIZONTAL SURFACING PLAN
		L1.4 16 LAYOUT PLAN
		L1.5 17 PLANTING PLAN
IRRIGATION DESIGN	Christopher Hoy Design Group 1184 W. 111th Place Northglenn, CO 80234 303.451.7986 303.451.7987 (fax) chdg-inc.com	L1.6 18 STRIPING PLAN
		L1.7 19 EGRESS PLAN
		L1.8 20 DETAIL CALLOUT
		L2.1 21 DETAILS A
		L2.2 22 DETAILS B
		L2.3 23 DETAILS C
		L2.4 24 DETAILS D
		L2.5 25 DETAILS E
		L2.6 26 DETAILS F
		I1.1 27 LANDSCAPE IRRIGATION PLAN
		I1.2 28 IRRIGATION DETAILS
		I1.3 29 IRRIGATION DETAILS

04.15.09	50% CONSTRUCTION DRAWINGS				
NO.	DATE	DESCRIPTION OF REVISION	AUTHORITY	MADE	APPR'D

DENVER PUBLIC SCHOOLS

DEPARTMENT OF FACILITIES MANAGEMENT
SCHOOL DISTRICT NO.1 SITE NO. 148 SCHOOL NO. 296 DENVER, COLORADO

SAMUELS ELEMENTARY SCHOOL LEARNING LANDSCAPE

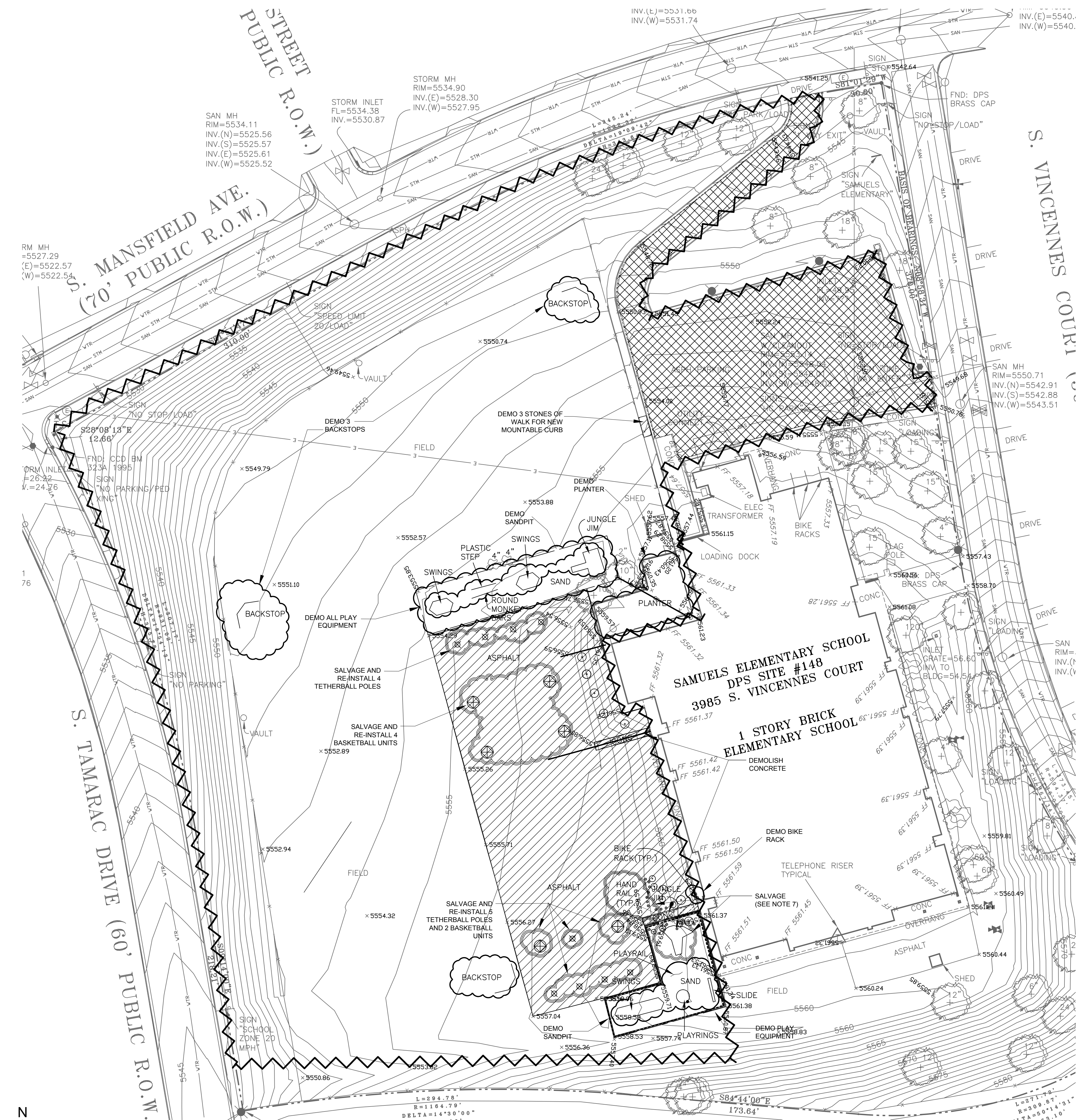
3985 S Vincennes Ct. Denver, CO 80237



DENVER PUBLIC SCHOOLS	DESIGNED BY	GPD
DEPARTMENT OF FACILITIES MANAGEMENT	DRAWN BY	JG
APPROVED CONTRACT DOCUMENT	CHECKED BY	JG
	DATE	15 APRIL 2009
	SCALE	

COVER PAGE

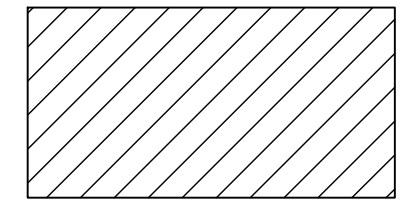
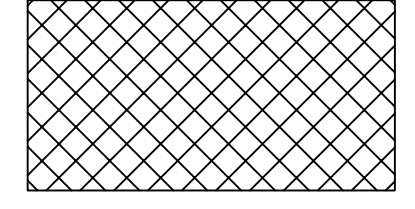



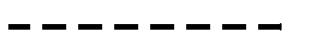


DWG. NO.	SHEET
G1.1	1 / Z



LANDSCAPE DEMOLITION
SCALE: 1" = 40'

0 40' 80' 120' 160'
SCALE: 1" = 40'

LEGEND

-  HARDSCAPE TO DEMOLISH
-  MILL VS. DEMOLITION TBD BY GEOTECH REPORT
-  ITEMS/AREAS TO DEMOLISH (DEMO)
-  SHRUB TO DEMOLISH
-  ITEMS TO SALVAGE
-  SAW CUTS
-  PARCEL BOUNDARY
-  CONSTRUCTION BOUNDARY

NOTES

1. CONCRETE DEMOLITION TO OCCUR AT EXISTING JOINTS WHEN POSSIBLE. WHEN NON-JOINT DEMOLITION REQUIRES CUTTING CONCRETE AND WHEN CUTTING ASPHALT, ALL CUTS TO BE SAW CUT.
2. CALL FOR ALL TYPES OF UTILITY LOCATES PRIOR TO ANY EXCAVATION.
3. CONTRACTOR IS RESPONSIBLE FOR ALL DEMOLITION, HAULING, AND DISPOSAL. OWNER WILL PROVIDE NONE OF THESE UNLESS SPECIFICALLY NOTED IN THESE DRAWINGS.
4. CONTRACTOR TO PROTECT ALL PORTIONS OF THE SITE TO REMAIN, INCLUDING IRRIGATION. PROTECT UTILITY POLE AND STORAGE SHED TO REMAIN.
5. CONTRACTOR TO REPAIR AND REPLACE ANY DAMAGE TO EXISTING SITE CONDITIONS CAUSED BY CONSTRUCTION INCLUDING BUT NOT LIMITED TO TURF, ASPHALT, FENCING, IRRIGATION, STRUCTURES, TREES, ETC. TO MEET OR EXCEED EXISTING CONDITIONS AND TO THE OWNER'S SATISFACTION.
6. THE CONTRACTOR SHALL PROVIDE FOR UNINTERRUPTED LANDSCAPE WATERING/IRRIGATION THROUGHOUT THE CONSTRUCTION PERIOD UNTIL SITE IS TRANSFERRED TO THE OWNER AND PER WRITTEN SPECIFICATION 01625.
7. SALVAGE HANDRAIL AND PAINTED JUNGLE GYM. CONTACT OWNER FOR DISPOSITION INSTRUCTIONS.

CALL UTILITY NOTIFICATION
CENTER OF COLORADO
1-800-922-1987
CALL 2-BUSINESS DAYS IN ADVANCE
BEFORE YOU DIG, GRADE, OR EXCAVATE
FOR THE MARKING OF UNDERGROUND
MEMBER UTILITIES.

NOTE TO CONTRACTOR:
ALL EXISTING UTILITIES SHOWN ON THESE PLANS
ARE APPROXIMATE BASED ON THE BEST AVAILABLE
INFORMATION AND FIELD OBSERVATIONS. THE
ACTUAL LOCATION OF THESE UTILITIES MUST BE
VERIFIED IN THE FIELD PRIOR TO ANY
CONSTRUCTION SINCE THE ACTUAL LOCATIONS
MAY VARY FROM WHERE SHOWN ON THESE PLANS.
CONTRACTOR RESPONSIBLE FOR UTILITY LOCATE.

04.15.09	50% CONSTRUCTION DRAWINGS				
NO.	DATE	DESCRIPTION OF REVISION	AUTHORITY	MADE	APPR'D
DENVER PUBLIC SCHOOLS DEPARTMENT OF FACILITIES MANAGEMENT SCHOOL DISTRICT NO.1 SITE NO. 148 SCHOOL NO. 296 DENVER, COLORADO SAMUELS ELEMENTARY SCHOOL LEARNING LANDSCAPE 3985 S Vincennes Ct. Denver, CO 80237					
DENVER PUBLIC SCHOOLS DEPARTMENT OF FACILITIES MANAGEMENT	DESIGNED BY GPD	DRAWN BY JG	DEMOLITION PLAN		
APPROVED CONTRACT DOCUMENT	CHECKED BY JG	DATE 15 APRIL 2009			
	SCALE 1" = 30'				
DATE	DWG. NO. L1.1	SHEET 20	Z		





TENTATIVE DRAINAGEWAY, POSSIBLY GRASSY SWALE

HOODED BACKSTOP

ASPHALT GAMES

FLUSH CONCRETE ASPHALT PERIMETER CURB, TYPICAL

MOW STRIP

INTERMEDIATE PLAY EQUIPMENT

HOODED BACKSTOP

SOCCER FIELD SPACE

ASPHALT GAMES

PRIMARY PLAY EQUIPMENT

DOUBLE GATE

DOUBLE GATE

ECE PLAY EQUIPMENT

1 REF: CIVIL FOR PARKING LOT AND ALL SITE GRADING AND DRAINAGE

TREE GROVE (REF: PLANTING PLAN FOR ACTUAL LAYOUT) ON LOW GROW/NO MOW GRASS

COMMUNITY GARDEN

DOUBLE GATE

GATEWAY

POETRY WALK

COMMUNITY GARDEN

EXISTING SHED

WALL WITH RAILING

EARTH AMPHITHEATER

STEPS WITH PLATFORMS

SEAT WALL

NORTH GARDEN

ELEVATED SHADE STRUCTURE PLAZA

IRRIGATED TURF

IRRIGATED TURF

SOUTH GARDEN

COOL TOPPER SHADE STRUCTURE

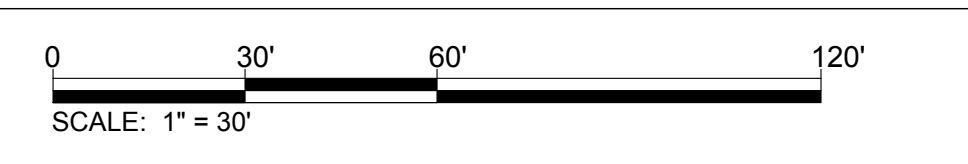
ECE LAWN

LEGEND

- DECIDUOUS SHADE TREE
- ORNAMENTAL TREE
- EXISTING TREE
- CONIFEROUS TREE
- PERENNIAL/GRASS
- BACKLESS BENCHES
- TRASH RECEPTACLES
- ROUND METAL TREE GRATE
- NATURAL BOULDERS
- SHADE STRUCTURE
- GATEWAY
- WAVY HOPSCOTCH STRIPING
- HOPSCOTCH STRIPING
- FOUR SQUARE STRIPING
- SALVAGED TETHERBALL UNIT WITH NEW STRIPING
- CONCRETE PLAY PIT ACCESS RAMP
- PRIMARY BASKETBALL BUCKET GAME
- EXISTING FENCE
- NEW CHAIN LINK FENCING
- SINGLE GATE
- DOUBLE GATE
- PARCEL BOUNDARY
- SALVAGED BASKETBALL UNIT
- HOODED BACKSTOP

- NOTE:**
- SITE FURNISHINGS TO BE SHOWN AT 100% CDS.
 - MOW STRIP SHOWN PERIMETER FENCE LINE MAY NOT BE REQUIRED PENDING FINAL DRAINAGE PLAN.
 - CITY GEOGRAPHY MARKERS ARE NOT FINALIZED. REF: DETAILS D.
 - CRUSHER FINES TRACK FEASIBILITY TO BE DETERMINED BY FINAL GRADING AND DRAINAGE DESIGN.

N
LANDSCAPE PLAN
SCALE: 1" = 30'



04.15.09		50% CONSTRUCTION DRAWINGS		NO.	DATE	DESCRIPTION OF REVISION	AUTHORITY	MADE	APPR'D
DENVER PUBLIC SCHOOLS DEPARTMENT OF FACILITIES MANAGEMENT SCHOOL DISTRICT NO.1 SITE NO. 148 SCHOOL NO. 296 DENVER, COLORADO									
SAMUELS ELEMENTARY SCHOOL LEARNING LANDSCAPE 3985 S Vincennes Ct. Denver, CO 80237									
DENVER PUBLIC SCHOOLS		DESIGNED BY GPD		<h1>LANDSCAPE PLAN</h1>					
DEPARTMENT OF FACILITIES MANAGEMENT		DRAWN BY JG							
APPROVED CONTRACT DOCUMENT		CHECKED BY JG							
DATE		15 APRIL 2009							
DATE		SCALE		1" = 30'		DWG. NO.		SHEET	
				L1.2		20		Z	



LEGEND

- | | | | | | |
|--|--|--|------------------------|--|--------------------------------|
| | EXISTING CONCRETE | | DECIDUOUS SHADE TREE | | PRIMARY BASKETBALL BUCKET GAME |
| | CONCRETE | | ORNAMENTAL TREE | | WAVY HOPSCOTCH STRIPING |
| | ASPHALT | | EXISTING TREE | | HOPSCOTCH STRIPING |
| | ENGINEERED WOOD FIBER | | CONIFEROUS TREE | | FOUR SQUARE STRIPING |
| | CRUSHER FINES WITH STABILIZER® | | PERENNIAL/GRASS | | TETHERBALL UNIT WITH STRIPING |
| | IRRIGATED TURF | | BACKLESS BENCHES | | CONCRETE PLAY PIT ACCESS RAMP |
| | LOW GROW/NO MOW IRRIGATEI | | ROUND METAL TREE GRATE | | NEW CHAIN LINK FENCING |
| | LANDSCAPE CEDAR MULCH WITH PINNED FABRIC | | NATURAL BOULDERS | | EXISTING FENCE |
| | | | SHADE STRUCTURE | | SINGLE GATE |
| | | | | | DOUBLE GATE |
| | | | | | PARCEL BOUNDARY |
| | | | | | GATEWAY |

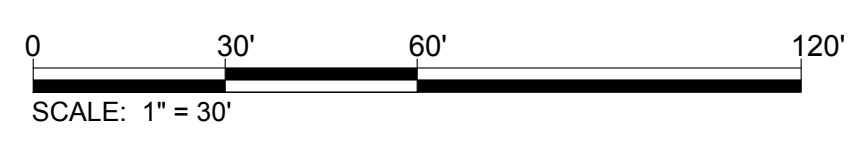
1 REF: CIVIL FOR PARKING LOT AND ALL SITE GRADING AND DRAINAGE

- NOTE:**
- SITE FURNISHINGS TO BE SHOWN AT 100% CDS.
 - MOW STRIP SHOWN PERIMETER FENCE LINE MAY NOT BE REQUIRED PENDING FINAL DRAINAGE PLAN.
 - CITY GEOGRAPHY MARKERS ARE NOT FINALIZED. REF: DETAILS D.
 - CRUSHER FINES TRACK FEASIBILITY TO BE DETERMINED BY FINAL GRADING AND DRAINAGE DESIGN.

NOTES

- REF: CIVIL FOR GRADING AND DRAINAGE.
- ALL NEW ASPHALT AND CONCRETE TO DRAIN AND MAINTAIN POSITIVE DRAINAGE AWAY FROM BUILDING.
- ALL SOFTSCAPE GARDEN AREAS TO DRAIN AND MAINTAIN POSITIVE DRAINAGE AWAY FROM BUILDING AND WALLS.
- CONTRACTOR TO COORDINATE ALL ASPHALT AND CONCRETE TESTING PER THE WRITTEN SPECIFICATIONS.
- ALL NECESSARY ASPHALT AND CONCRETE CUTS SHALL BE SAW CUTS.
- REF: _____ FOR JOINT PLAN.
- PROVIDE RECESSED AND CAULKED EXPANSION JOINTS PER WRITTEN SPECIFICATIONS WHERE CONCRETE FLATWORK MEETS VERTICAL STRUCTURES SUCH AS WALLS, RAMPS, CURBS, STEPS, AND BUILDING ELEMENTS.
- PROVIDE RECESSED AND CAULKED EXPANSION JOINTS BETWEEN SWING PIT CURBS AND EXISTING RETAINING WALL.
- REF: SHEET _____ FOR CONTROL AND EXPANSION JOINT DETAILS.
- FLATWORK CONTROL JOINTS TO BE TOOLED.
- PLAZA CONTROL JOINTS TO BE SAW CUT.
- PLAY PIT WALL JOINTS TO BE SAW CUT.
- CONCRETE FLATWORK TO HAVE BROOM FINISH PER WRITTEN SPECIFICATIONS.
- COORDINATE CONCRETE COLOR SELECTION WITH LANDSCAPE ARCHITECT FROM STANDARD COLOR SELECTION CHART PROVIDED BY CONTRACTOR.
- ALL TREE GRATES TO BE INSTALLED IN CONCRETE WITH METAL RING PER MANUFACTURER'S SPECIFICATIONS.
- ALL SITE FURNISHINGS TO BE INSTALLED PER MANUFACTURER'S SPECIFICATIONS. IN-GROUND MOUNT IN ASPHALT AREAS; SURFACE MOUNT IN CONCRETE AREAS.
- GARDEN AREAS TO HAVE PINNED LANDSCAPE FABRIC AND BARK MULCH. SEE LANDSCAPE DETAILS _____, SHEET _____.

HORIZONTAL SURFACING PLAN
SCALE: 1" = 30'



04.15.09	50% CONSTRUCTION DRAWINGS				
NO.	DATE	DESCRIPTION OF REVISION	AUTHORITY	MADE	APPR'D
DENVER PUBLIC SCHOOLS <small>DEPARTMENT OF FACILITIES MANAGEMENT SCHOOL DISTRICT NO.1 SITE NO. 148 SCHOOL NO. 296 DENVER, COLORADO</small>					
SAMUELS ELEMENTARY SCHOOL LEARNING LANDSCAPE <small>3985 S Vincennes Ct. Denver, CO 80237</small>					
DENVER PUBLIC SCHOOLS DEPARTMENT OF FACILITIES MANAGEMENT	DESIGNED BY GPD	DRAWN BY JG	HORIZONTAL SURFACING PLAN		
APPROVED CONTRACT DOCUMENT	CHECKED BY JG	DATE 15 APRIL 2009			
		SCALE 1" = 30'	DWG. NO.	SHEET	
			L1.3	20	Z
DATE					



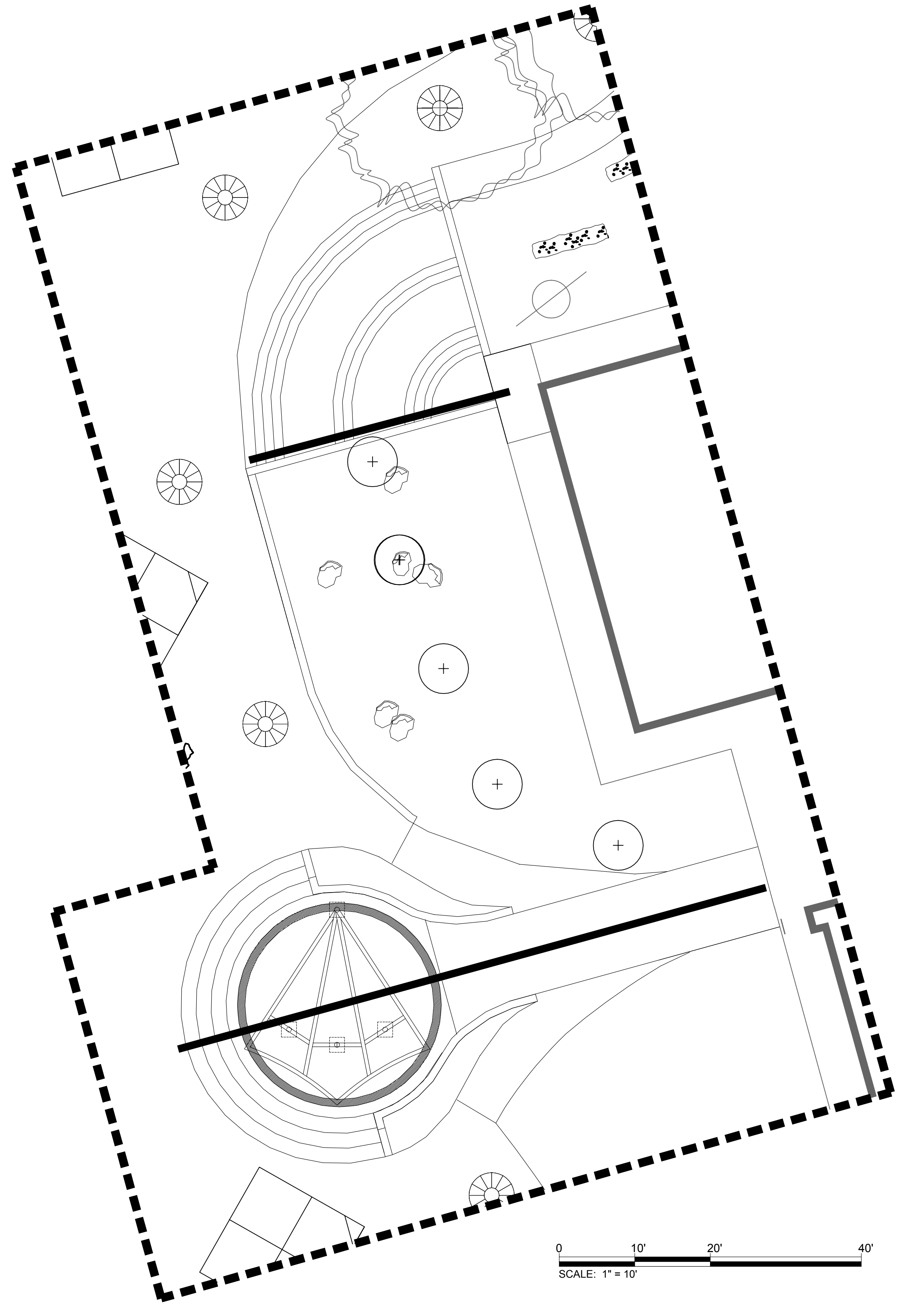
CURVE TABLE

A	1671395.125	3129468.719
B	1671447.965	3129592.026
C	1671479.969	3129658.638
D	1671458.394	3129840.427
E	1671436.471	3129726.424
F	1671434.286	3129694.341
G	1671478.144	3129776.866
H	1671289.366	3129674.801
I	1671387.602	3129722.110
J	1671370.567	3129633.273
K	1671430.677	3129798.264
L	1671430.677	3129798.264
M	1671412.972	3129778.598
N	1671391.976	3129760.894
O	1671359.470	3129909.213
P	1671365.889	3129820.977
Q	1671364.801	3129775.304
R	1671374.747	3129833.566

NOTE: LAYOUT TO BE COMPLETED AT 100% CD SET.

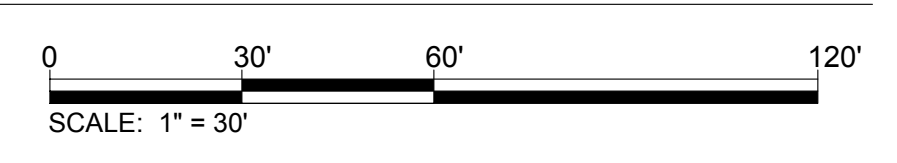
NOTES

1. REF: PLANTING PLAN, SHEET ___ 5 FOR LAYOUT OF TREES IN SOFT SURFACE.
2. COORDINATE BOULDER SELECTION, LOCATION, AND ORIENTATION WITH LANDSCAPE ARCHITECT FOR FIELD LAYOUT.
3. COORDINATE FINAL SITE FURNISHINGS LOCATIONS WITH LANDSCAPE ARCHITECT PRIOR TO INSTALLATION.
4. AUTOCAD LAYOUT FILE AVAILABLE TO THE CONTRACTOR PRIOR TO CONSTRUCTION IF DESIRED FOR DIRECT INPUT OF INFORMATION BY SURVEYOR.
5. REF: CIVIL FOR PARKING LOT LAYOUT.
6. NORTHING & EASTINGS SHOW RELATIVE POSITIONS FROM FIXED SITE IMPROVEMENTS.
7. THE CONTRACTOR SHALL REPORT ANY DISCREPANCY IN PLAN VS. FIELD CONDITIONS IMMEDIATELY TO THE LANDSCAPE ARCHITECT, PRIOR TO CONTINUING WITH THAT PORTION OF WORK.
8. GENERAL: ENDS OF STRAIGHT SECTIONS AND BEGINNINGS OF RADII ARE INDICATED ON THIS PLAN BY CIRCLES.
9. TANGENT POINTS OF CURVES TO HAVE SMOOTH TRANSITION TO LINES OR CURVES OF ANOTHER RADIUS.
10. ALL PLAY PIT DIMENSIONING FROM PIT INTERIOR AS SHOWN. ALL INTERIOR PIT MEASUREMENTS TO REMAIN AS DRAWN. PLAY PIT AND PLAY PIT RAMP DIMENSIONS AND PLACEMENT MUST NOT VARY FROM PLAN. RAMPS SLOPE @ 1:12.
11. THE CONTRACTOR IS RESPONSIBLE FOR THE COST TO REPAIR UTILITIES, LANDSCAPE ELEMENTS, PUBLIC AND/OR PRIVATE PROPERTY THAT IS DAMAGED BY THE CONTRACTOR OR THEIR SUBCONTRACTOR'S OPERATIONS DURING INSTALLATION OR DURING THE SPECIFIED MAINTENANCE PERIOD.
12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPAIR OF ANY OF THEIR TRENCHES OR EXCAVATIONS THAT SETTLE.
13. CONTRACTOR TO COORDINATE LOCATION OF IRRIGATION SLEEVES AND ELECTRICAL CONDUIT PRIOR TO CONSTRUCTION.
14. PROVIDE RECESSED AND CAULKED EXPANSION JOINTS AS SHOWN AND PER WRITTEN SPECIFICATIONS WHERE CONCRETE FLATWORK MEETS VERTICAL STRUCTURES SUCH AS WALLS, RAMPS, CURBS, STEPS, AND BUILDING ELEMENTS.
15. CONTROL JOINTS TO BE AS SHOWN.
16. PLANTS AND IRRIGATION ADJACENT TO BUILDING TO BE MINIMUM 2' FROM EDGE OF BUILDING.



1 PLAZA, WALL, AND STAIR LAYOUT
1" = 10'

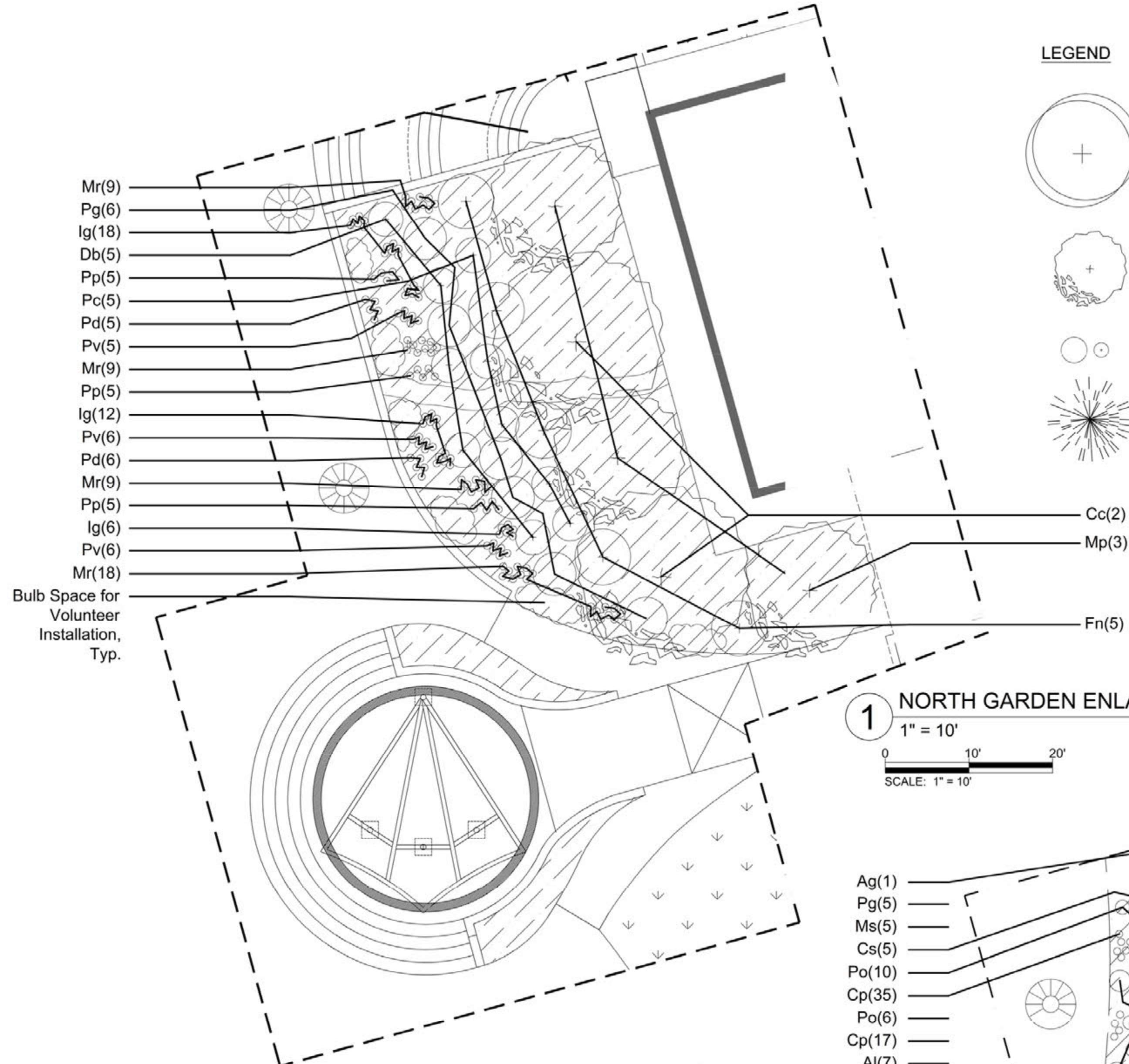
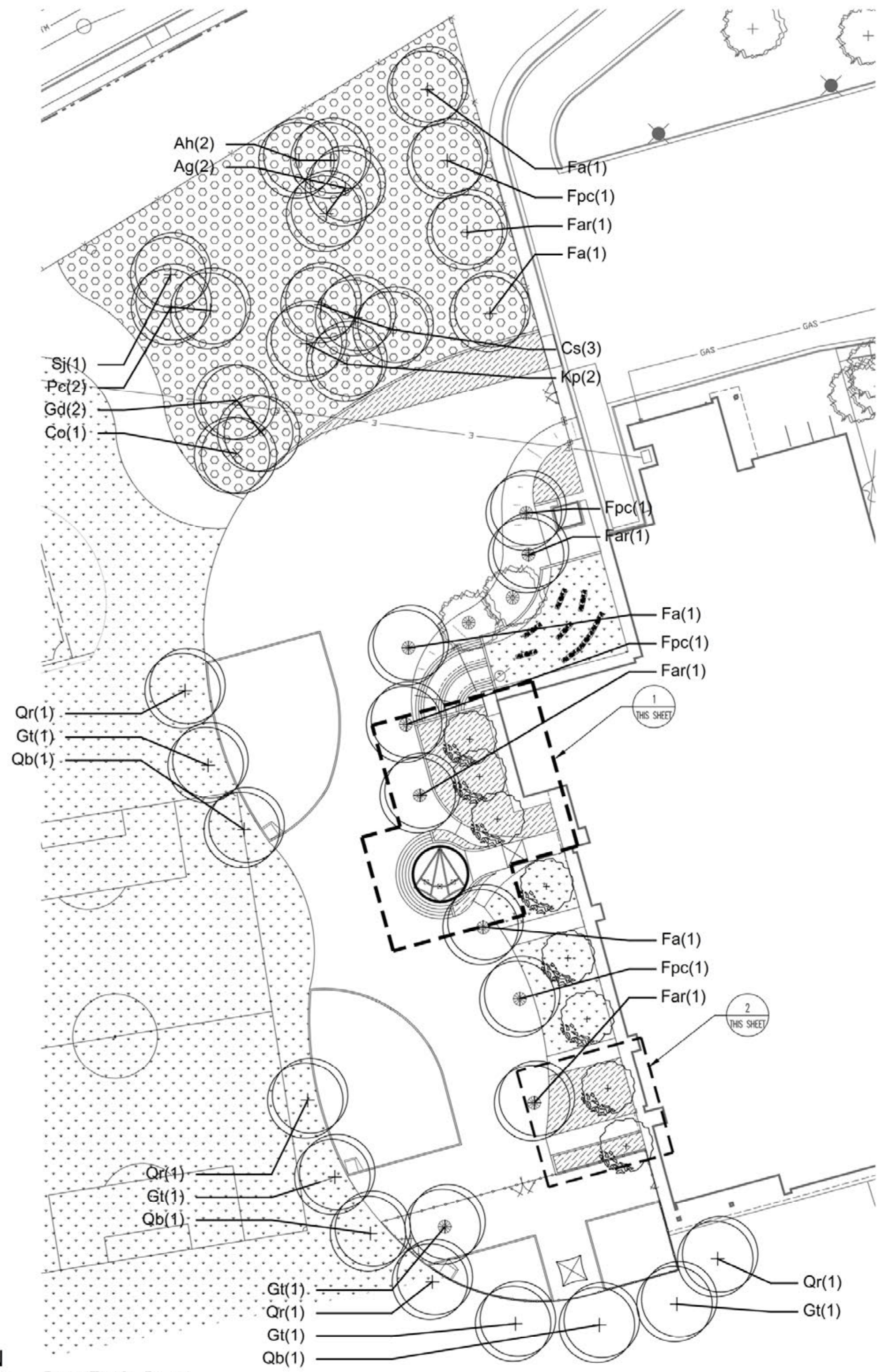
LAYOUT PLAN - PLAYGROUND
SCALE: 1" = 30'



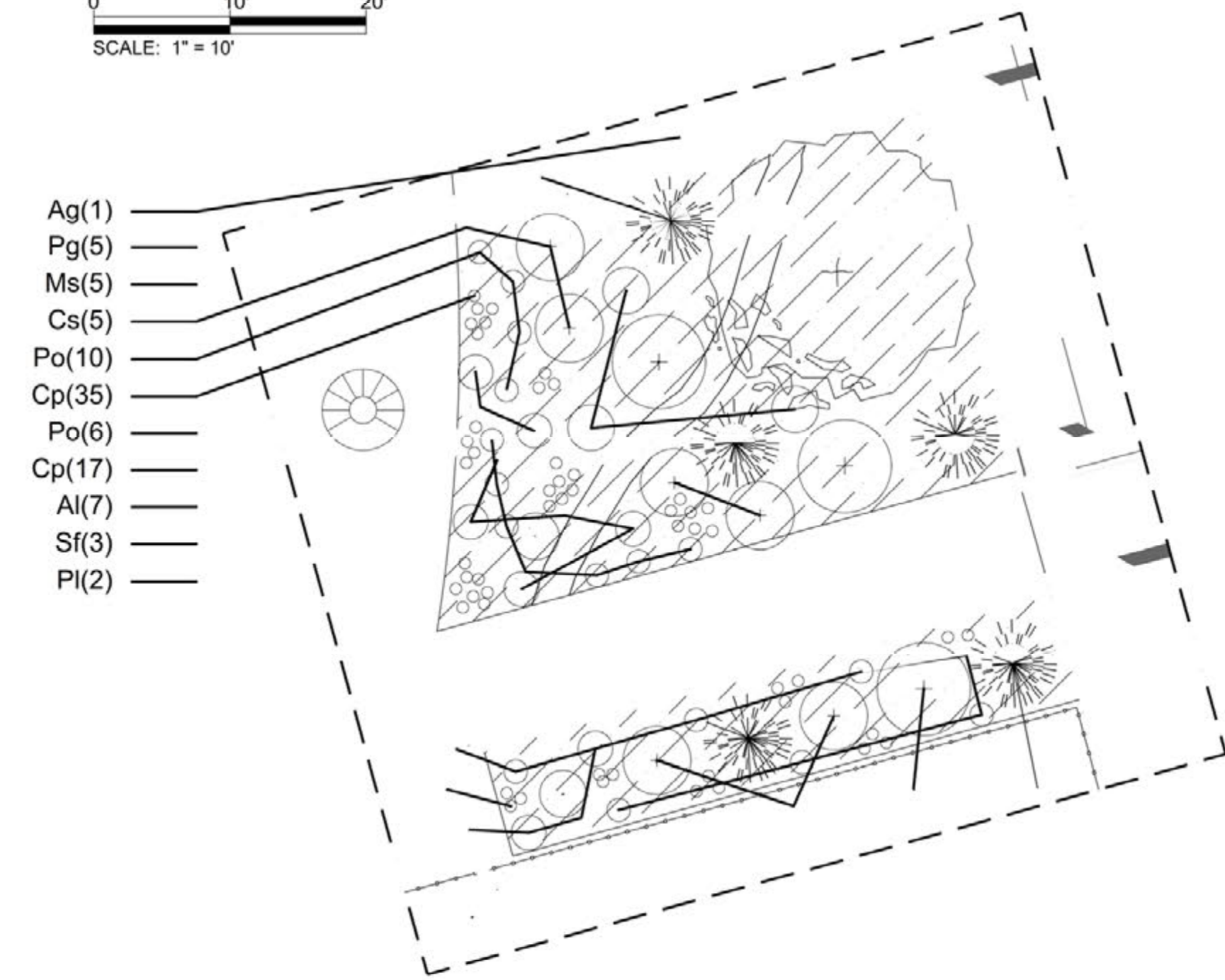
04.15.09		50% CONSTRUCTION DRAWINGS			
NO.	DATE	DESCRIPTION OF REVISION	AUTHORITY	MADE	APPR'D
DENVER PUBLIC SCHOOLS			DEPARTMENT OF FACILITIES MANAGEMENT		
SCHOOL DISTRICT NO.1			SITE NO. 148 SCHOOL NO. 296 DENVER, COLORADO		
SAMUELS ELEMENTARY SCHOOL			LEARNING LANDSCAPE		
3985 S Vincennes Ct. Denver, CO 80237					
DENVER PUBLIC SCHOOLS DEPARTMENT OF FACILITIES MANAGEMENT		DESIGNED BY GPD	LAYOUT PLAN		
APPROVED CONTRACT DOCUMENT		DRAWN BY JG			
		CHECKED BY JG			
		DATE 15 APRIL 2009			
		SCALE VARIES			
			DWG. NO.	SHEET	
			L1.4	20	Z
			DATE		

NOTES:

1. THE WORK INCLUDES ALL SOD, PLANTINGS AND IRRIGATION AS SHOWN AND AS DISTURBED BY THE WORK.
2. TURF AREAS SHOWN ON THIS SHEET ARE COMPLETE AREAS OF SOD KNOWN TO REQUIRE REPLACEMENT DUE TO REGRADING OR NEW SITE WORK. IN ADDITION, CONTRACTOR TO PATCH BACK AREAS OF IRRIGATION TRENCH LINES, VALVES, RELOCATED HEADS, ETC. IN ALL AREAS OF NEW IRRIGATION. REF: IRRIGATION PLANS AND DETAILS.
3. THE CONTRACTOR SHALL REPORT ANY DISCREPANCY IN PLAN VS. FIELD CONDITIONS IMMEDIATELY TO THE LANDSCAPE ARCHITECT, PRIOR TO CONTINUING WITH THAT PORTION OF WORK.
4. THE CONTRACTOR SHALL NOT DISTURB THE EXISTING PAVING, LIGHTING, LANDSCAPING OR IRRIGATION THAT EXISTS ADJACENT TO THE SITE UNLESS EXCEPT AS SHOWN ON THE DRAWINGS. REF: CIVIL AND IRRIGATION DEMOLITION PLANS.
5. THE CONTRACTOR IS RESPONSIBLE FOR THE COST TO REPAIR UTILITIES, ADJACENT LANDSCAPE, PUBLIC AND/OR PRIVATE PROPERTY THAT IS DAMAGED BY THE CONTRACTOR OR THEIR SUBCONTRACTOR'S OPERATIONS DURING INSTALLATION OR DURING THE SPECIFIED MAINTENANCE PERIOD. CALL FOR UTILITY LOCATES PRIOR TO ANY EXCAVATION.
6. ALL PLANTING AREAS ARE TO BE AMENDED AND TILLED PER THE WRITTEN SPECIFICATIONS.
7. THE CONTRACTOR SHALL FURNISH AND INSTALL PLANT MATERIAL AS NOTED. SHOULD A DISCREPANCY IN QUANTITIES OCCUR, THE PLANT QUANTITIES ON THE PLAN SHALL TAKE PRECEDENCE OVER THOSE IN THE PLANT SCHEDULE. LIKE SIZES AND FORMS SHALL BE CHOSEN WITHIN EACH SPECIES.
8. ALL LANDSCAPE MATERIAL TO BE DISEASE AND INSECT FREE. ALL PLANT MATERIAL IS SUBJECT TO THE APPROVAL OF THE LANDSCAPE ARCHITECT.
9. NOTE: OWNER AND LANDSCAPE ARCHITECT TO INSPECT ALL IRRIGATION TRENCHES PRIOR TO BACKFILL. ADDITIONAL INSPECTIONS ARE INCLUDED IN WRITTEN SPECIFICATIONS. DIVISION 2, SECTION 02810.
10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPAIR TO ANY TRENCHES OR EXCAVATION THAT SETTLE.
11. PLANTS AND IRRIGATION ADJACENT TO BUILDING TO BE MINIMUM 2' FROM EDGE OF BUILDING.
12. DETAILS OCCURRING MULTIPLE TIMES MAY ONLY BE CALLED OUT ONCE. SEE SHEET ___ FOR PLANTING DETAILS.
13. GARDEN AREAS TO HAVE PINNED LANDSCAPE FABRIC AND CEDAR MULCH. SEE LANDSCAPE DETAILS ___ AND ___, SHEET ___.



1 NORTH GARDEN ENLARGEMENT
1" = 10'
SCALE: 1" = 10'



2 SOUTH GARDEN ENLARGEMENT
1" = 10'

LEGEND

- IRRIGATED TURF
- LOW GROWING MOW IRRIGATED
- LANDSCAPE CEDAR MULCH WITH PINNED FABRIC
- DECIDUOUS SHADE TREE
- ORNAMENTAL TREE
- PERENNIAL/GRASS
- EVERGREEN TREE
- NATURAL BOULDERS
- EXISTING TREE
- SPACE FOR VOLUNTEER BULB INSTALLATION

ABBR	COMMON NAME	BOTANICAL NAME	QTY	SIZE	NOTES
Deciduous Trees					
Ag	Ohio Buckeye	<i>Aesculus glabra</i>	2	2"	
Ah	Horsechestnut	<i>Aesculus hippocastanum</i>	2	2"	
Co	Western Hackberry	<i>Celtis occidentalis</i>	1	2"	
Cs	Western Catalpa	<i>Catalpa speciosa</i>	3	2"	
Fa	Autumn Purple Ash	<i>Fraxinus americana 'Autumn Purple'</i>	4	2"	Mod
Far	Raywood Ash	<i>Fraxinus angustifolia 'Raywood'</i>	4	2"	Low/Mod
Fpc	Cimarron Ash	<i>Fraxinus pennsylvanica 'Cimarron'</i>	4	2"	Mod
Gd	Kentucky Coffeetree	<i>Gymnocladus dioica</i>	2	2"	
Gt	Shademaster Honeylocust	<i>Gleditsia tricanthos inermis 'Shademaster'</i>	5	2"	Mod
Kp	Goldenrain Tree	<i>Koeleruteria paniculata</i>	2	2"	Mod
Pc	Chanticleer Pear	<i>Pyrus calleryana Chanticleer</i>	2	2"	
Qb	Swamp White Oak	<i>Quercus bicolor</i>	3	2"	
Qr	Northern Red Oak	<i>Quercus rubra</i>	4	2"	
Sj	Regent Japanese Pagoda tree	<i>Sophora japonica 'Regent'</i>	1	2"	
North Garden					
Cc	Eastern Redbud	<i>Cercis canadensis</i>	2	2"	
Db	Carol Mackie Daphne	<i>Daphne x burkwoodi 'Carol Mackie'</i>	5	5 Gal.	
Fn	Northern Sun Forsythia	<i>Forsythia x 'Northern Sun'</i>	5	5 Gal.	
Ig	Bearded Iris	<i>Iris x germanica cultivars</i>	36	5 Gal.	
Mp	Prairie Rose Crabapple	<i>Malus 'Prairie Rose'</i>	3	2"	fruitless
Mr	Creeping Colorado Holly	<i>Mahonia repens</i>	45	F15	
Pc	Purple Leaf Plum	<i>Prunus x cistena</i>	5	5 Gal.	
Pd	Drumstick Primrose	<i>Primula denticulata</i>	11	5 Gal.	
Pg	Pink Flowering Almond	<i>Prunus glandulosa 'Rosea Plena'</i>	6	5 Gal.	
Pp	Rocky Mountain Primrose	<i>Primula parryi</i>	15	5 Gal.	
Pv	Mixed Colors Pasqueflower	<i>Pulsatilla vulgaris 'Papageno'</i>	17	F15	
South Garden					
Ag	Flame Amur Maple	<i>Acer ginnala 'Flame'</i>	1	5 Gal.	multi-stem
Al	Calico Aster	<i>Aster lateriflorus 'Lady in Black'</i>	7	5 Gal.	
Cp	Plumbago	<i>Ceratostigma plumbaginoides</i>	52	F15	
Cs	Isanti Dogwood	<i>Cornus sericea 'Isanti'</i>	5	5 Gal.	
Ms	Cabaret Variegated Maiden Grass	<i>Miscanthus sinensis 'Cabaret'</i>	5	5 Gal.	
Pg	Weeping Spruce	<i>Picea Glauca 'Pendula'</i>	5	6 Gal.	
Pl	Bosnian Pine	<i>Pinus leucodermis 'Iseli Fastigiata'</i>	2	4.0'	
Po	Oriental Fountain Grass	<i>Pennisetum orientale</i>	16	5 Gal.	
Sf	Flowering Choice Spirea	<i>Spiraea x 'Flowering Choice'</i>	3	5 Gal.	

NO.	DATE	DESCRIPTION OF REVISION	AUTHORITY	MADE	APPR'D
04.15.09		50% CONSTRUCTION DRAWINGS			

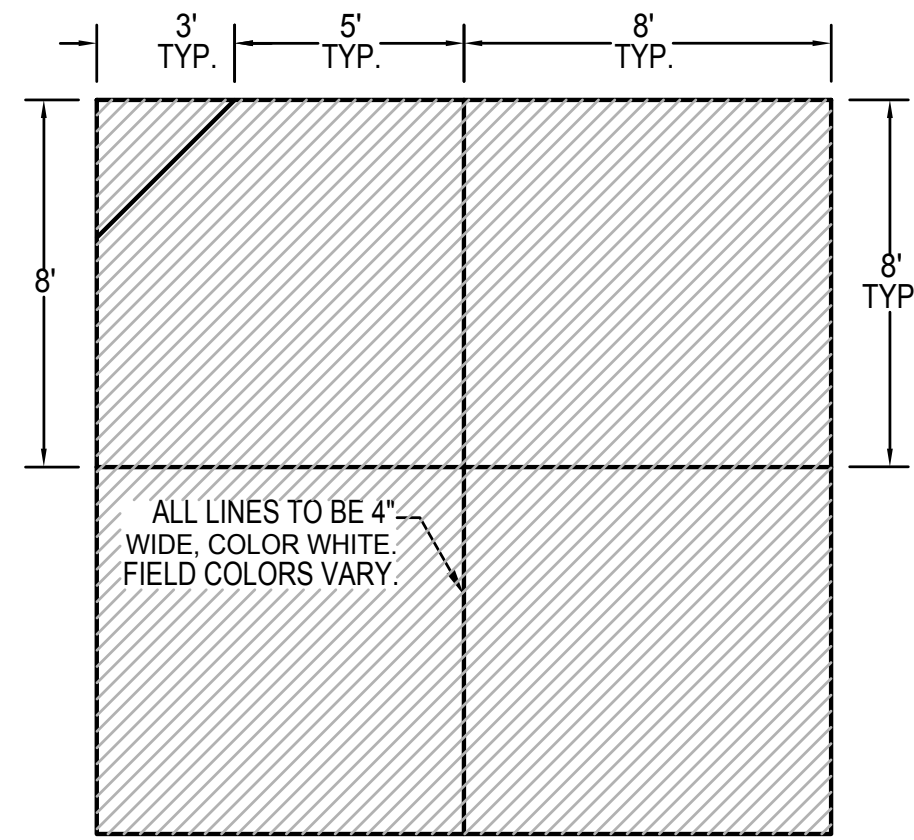
DENVER PUBLIC SCHOOLS
 DEPARTMENT OF FACILITIES MANAGEMENT
 SCHOOL DISTRICT NO.1 SITE NO. 148 SCHOOL NO. 296 DENVER, COLORADO
SAMUELS ELEMENTARY SCHOOL
 LEARNING LANDSCAPE
 3985 S Vincennes Ct. Denver, CO 80237



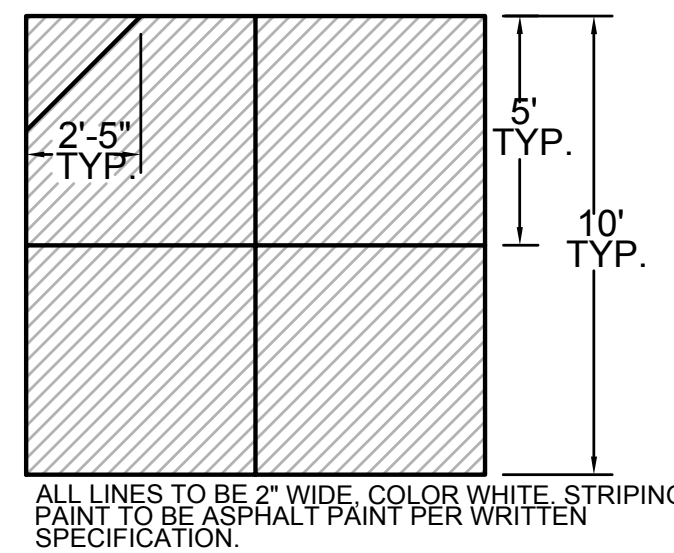
DENVER PUBLIC SCHOOLS
 DEPARTMENT OF FACILITIES MANAGEMENT
 DESIGNED BY: GPD
 DRAWN BY: JG
 CHECKED BY: JG
 DATE: 15 APRIL 2009
 SCALE: VARIES

PLANTING PLAN

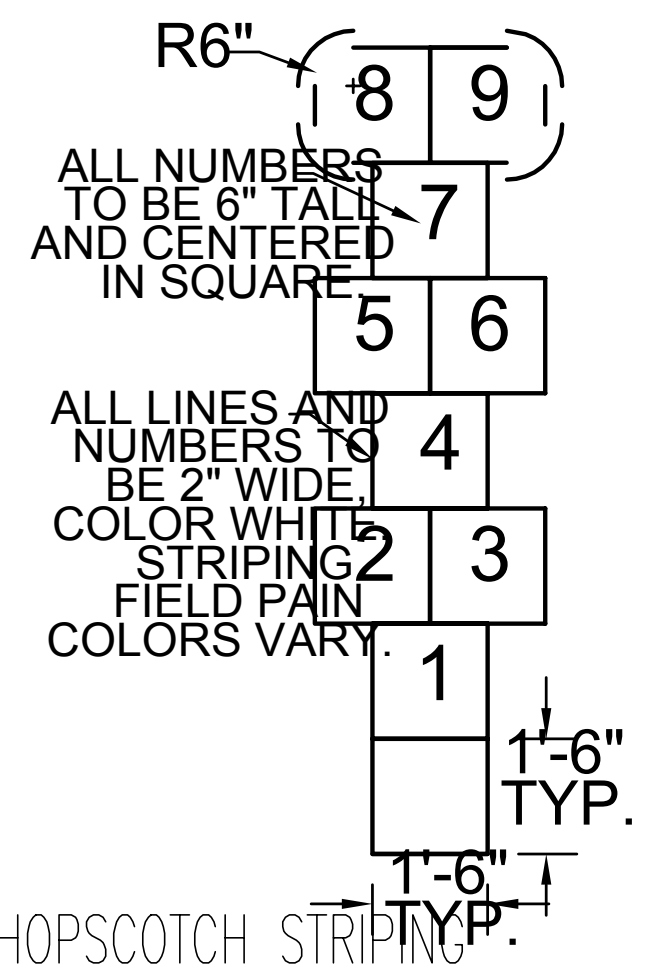
DWG. NO. SHEET
 L1.5 20
 Z



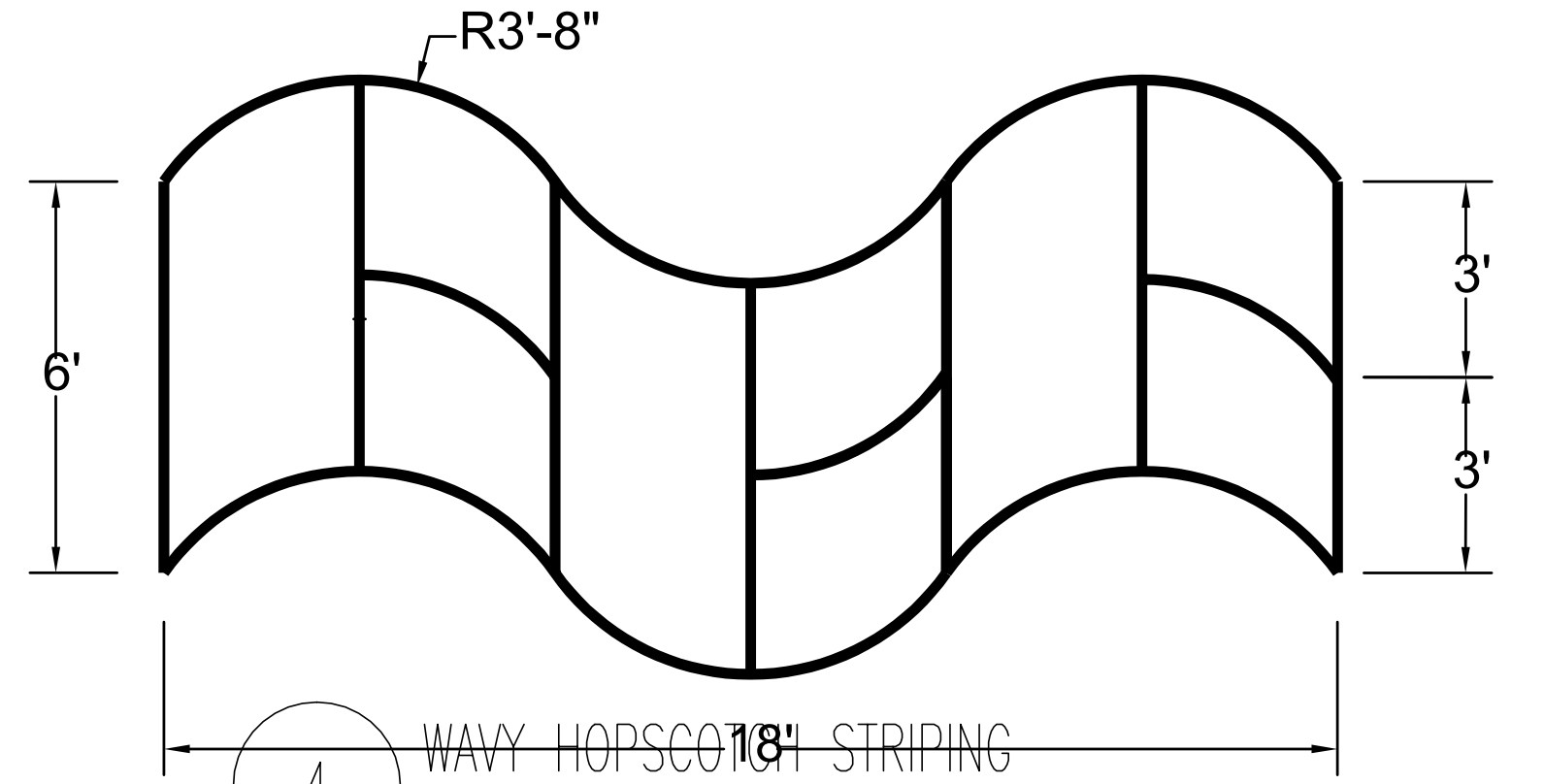
1 FOUR SQUARE STRIPING, TYP.
SCALE: NTS



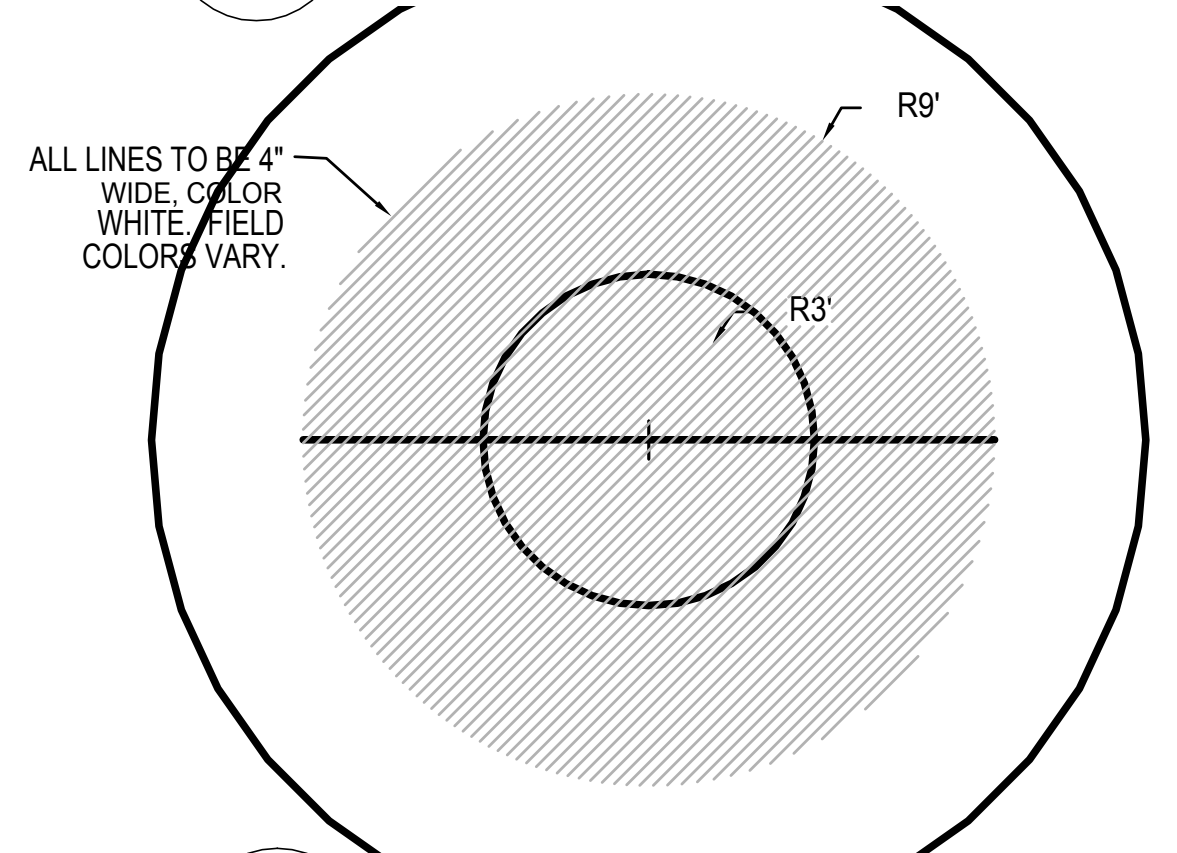
1 SMALL ECE FOUR SQUARE STRIPING
SCALE: NTS



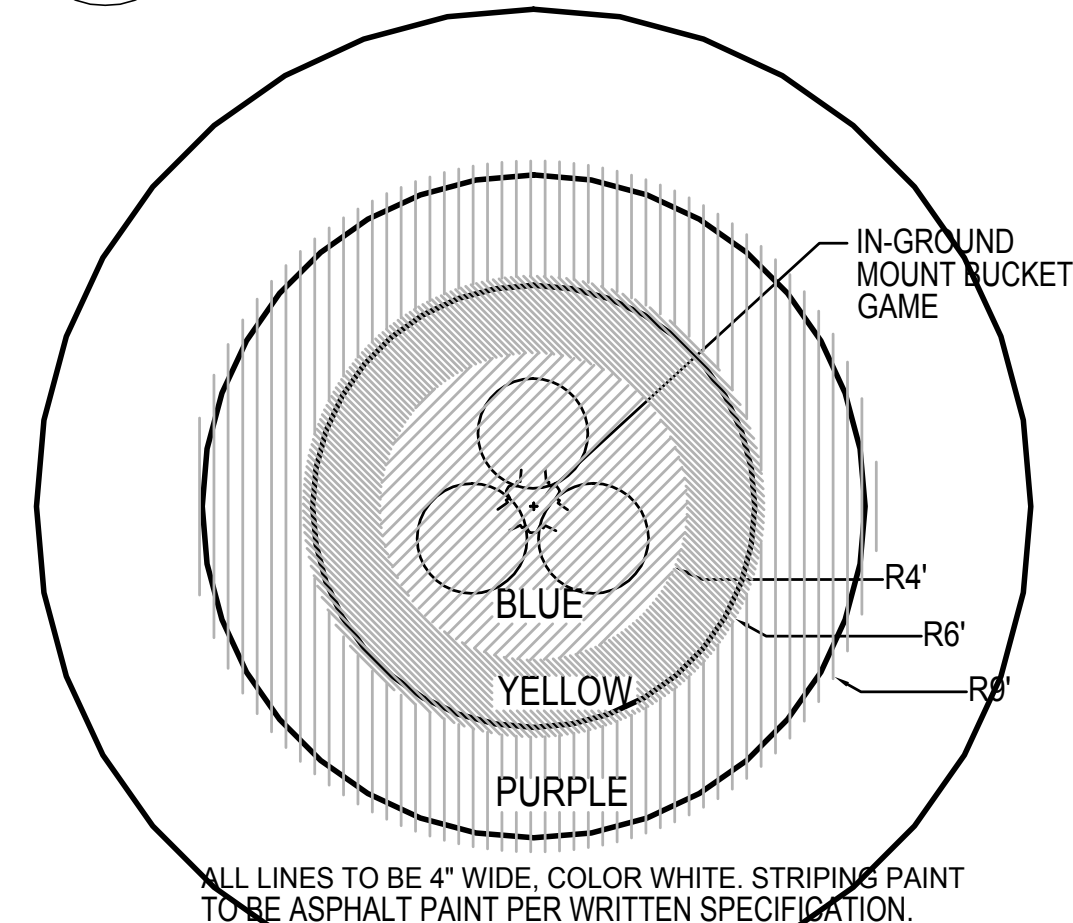
3 HOPSCOTCH STRIPING
SCALE: NTS



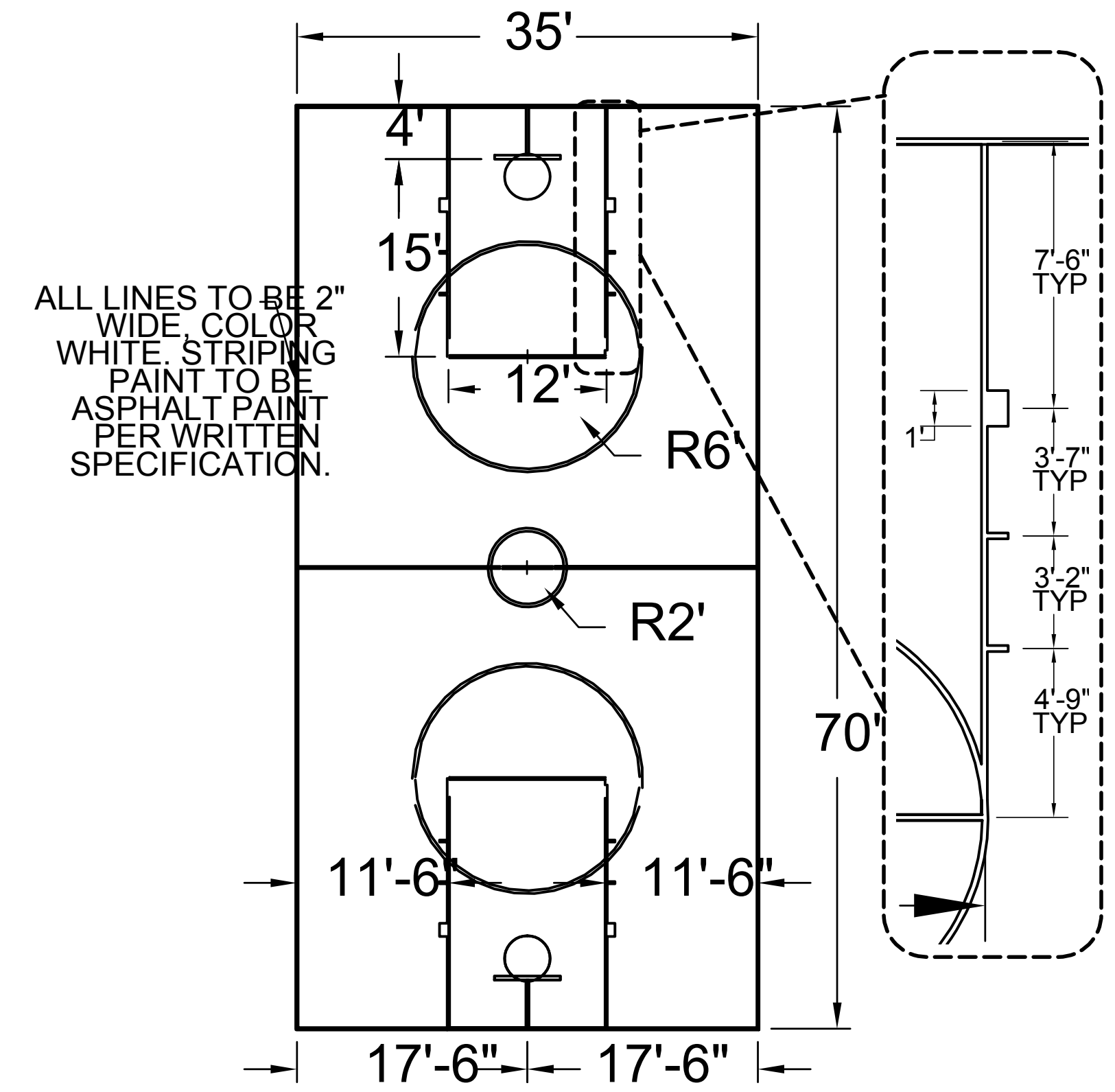
4 WAVY HOPSCOTCH STRIPING
SCALE: NTS



2 TETHERBALL STRIPING, TYP.
SCALE: NTS



5 BUCKET GAME
SCALE: NTS



4 BASKETBALL COURT STRIPING, TYP.
SCALE: NTS



NOTES

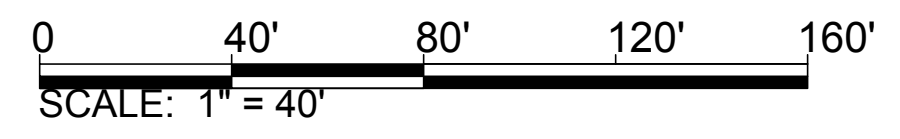
1. REF: CIVIL FOR PARKING LOT STRIPING.
2. REF: CIVIL AND WRITTEN SPECIFICATIONS FOR STRIPING PAINT MATERIAL.
3. WHITE STRIPING PAINT TO BE SURFACE LAYER OF STRIPING (ON TOP OF COLORED PAINT).
4. CONTRACTOR TO SUBMIT COLOR CHARTS TO LANDSCAPE ARCHITECT FOR FINAL COLOR SELECTIONS.
5. EDGES TO BE CRISP AND STRAIGHT; CURVES TO BE CONTINUOUS.
6. DETAIL CALLOUTS THIS SHEET ARE TYPICAL FOR ALL STRIPED GAMES. FIELD PAINT COLORS ARE SHOWN IN PLAN VIEW AT LEFT.

NOTES: COLORED FIELD PAINTING WITHIN GAMES TO BE SHOWN WITH ADDITIONAL SOUND WAVE STRIPING BY UCD PENDING.

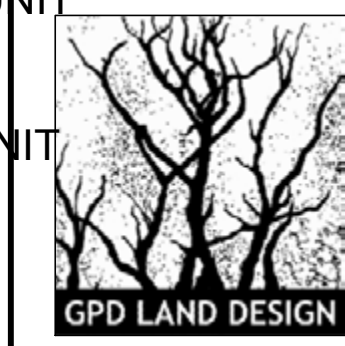
LEGEND

- PAINTED AREAS
- WAVY HOPSCOTCH STRIPING
- HOPSCOTCH STRIPING
- PARCEL BOUNDARY
- FOUR SQUARE STRIPING
- ROUND METAL TREE GRATE
- SALVAGED TETHERBALL UNIT WITH NEW STRIPING
- SALVAGED BASKETBALL UNIT
- EXPANSION JOINT
- CONTROL JOINT
- PRIMARY BASKETBALL BUCKET GAME

STRIPING & JOINT PLAN
SCALE: 1" = 40'



04.15.09		50% CONSTRUCTION DRAWINGS			
NO.	DATE	DESCRIPTION OF REVISION	AUTHORITY	MADE	APPR'D
DENVER PUBLIC SCHOOLS DEPARTMENT OF FACILITIES MANAGEMENT SCHOOL DISTRICT NO.1 SITE NO. 148 SCHOOL NO. 296 DENVER, COLORADO SAMUELS ELEMENTARY SCHOOL LEARNING LANDSCAPE 3985 S Vincennes Ct. Denver, CO 80237					
DENVER PUBLIC SCHOOLS DEPARTMENT OF FACILITIES MANAGEMENT		DESIGNED BY: GPD DRAWN BY: JG CHECKED BY: JG	STRIPING PLAN		
APPROVED CONTRACT DOCUMENT		DATE: 15 APRIL 2009 SCALE: VARIES			
DATE		DWG. NO. SHEET			L1.6 20 Z





LEGEND

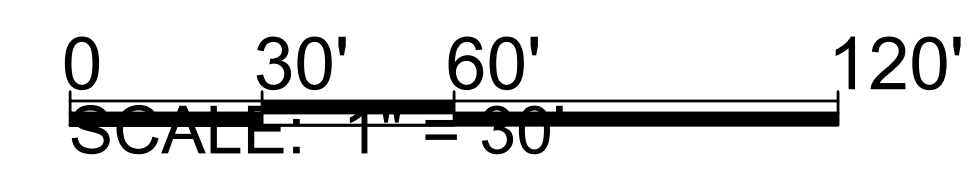
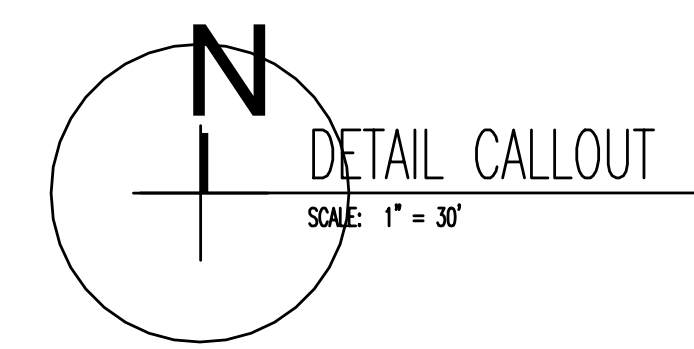
- PRIMARY BASKETBALL COURT
- DECIDUOUS SHADE TREE
- WAVY HOPSCOTCH
- STRIPED HOPSCOTCH
- FOUR SQUARE STRIPED HOPSCOTCH
- ORNAMENTAL TREE
- EXISTING TREE
- CONIFEROUS TREE
- PERENNIAL/GRASS
- BACKLESS BENCHES
- TRASH RECEPTACLES
- ROUND METAL TREE GRASS
- NATURAL BOULDERS
- SHADE STRUCTURE
- GATEWAY
- SALVAGED TETHERBALL WITH NEW STRIPING
- CONCRETE PLAY PIT
- EXISTING FENCE
- NEW CHAIN LINK FENCE
- SINGLE GATE
- DOUBLE GATE
- PARCEL BOUNDARY
- SALVAGED BASKETBALL
- HOODED BACKSTOP
- DETAIL CALLOUT
- DETAIL SECTION

NOTES

1 CITY MARKERS DETAILS ARE IN DEVELOPMENT AND NOT TO BE SHOWN AT 100% CDS.

2 CALLING OUT FOR THE FOLLOWING: 1. WAVING HOPSCOTCH, 2. STRIPED HOPSCOTCH, 3. FOUR SQUARE STRIPED HOPSCOTCH, 4. CONIFEROUS TREE, 5. PERENNIAL/GRASS, 6. BACKLESS BENCHES, 7. TRASH RECEPTACLES, 8. ROUND METAL TREE GRASS, 9. NATURAL BOULDERS, 10. SHADE STRUCTURE, 11. GATEWAY, 12. SALVAGED TETHERBALL WITH NEW STRIPING, 13. CONCRETE PLAY PIT, 14. EXISTING FENCE, 15. NEW CHAIN LINK FENCE, 16. SINGLE GATE, 17. DOUBLE GATE, 18. PARCEL BOUNDARY, 19. SALVAGED BASKETBALL, 20. HOODED BACKSTOP, 21. DETAIL CALLOUT, 22. DETAIL SECTION.

NOTE: SITE FURNISHINGS TO BE SHOWN AT 100% CDS.



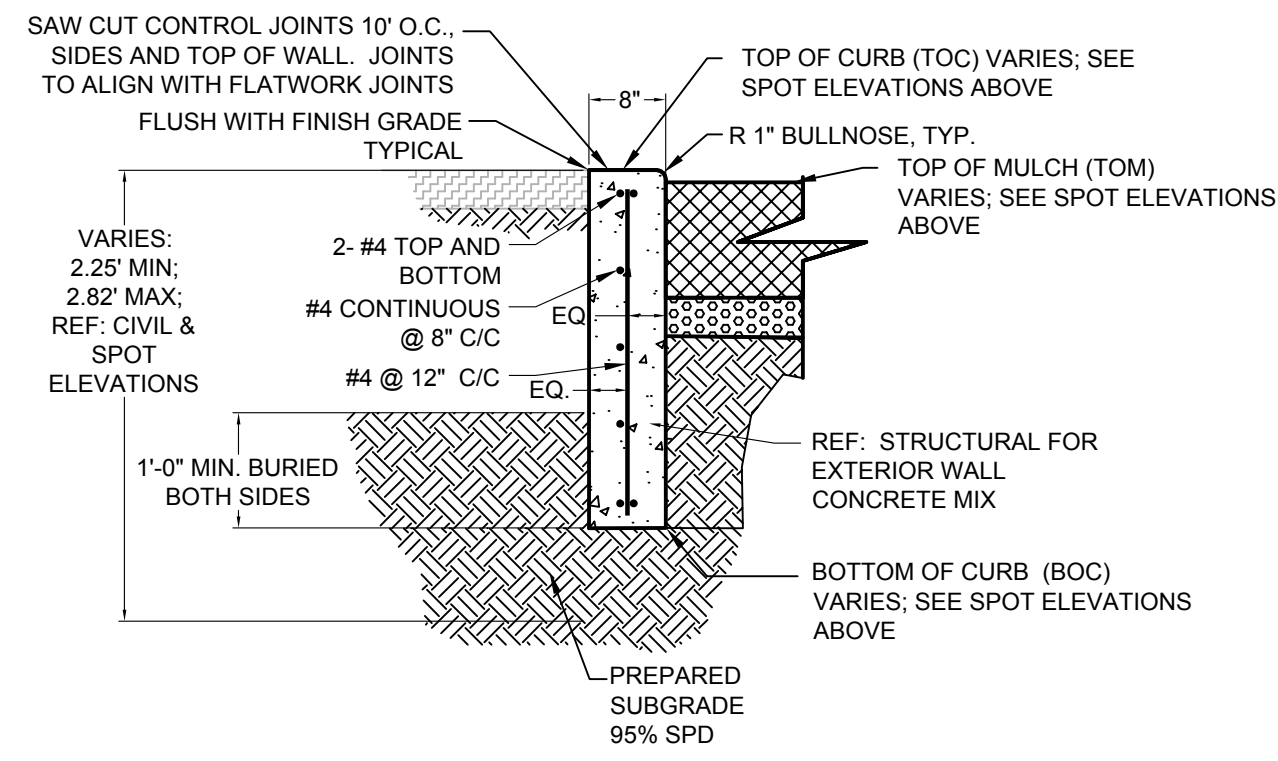
04.15.09		50% CONSTRUCTION DRAWINGS			
NO.	DATE	DESCRIPTION OF REVISION	AUTHORITY	MADE	APPR'D
		DENVER PUBLIC SCHOOLS DEPARTMENT OF FACILITIES MANAGEMENT SCHOOL DISTRICT NO. 1 SITE NO. 118 SCHOOL NO. 000 DENVER, CO 80202			
		SAMUEL'S ELEMENTARY LEARNING LANDSCAPE 3985 S Vincennes Ct. Denver			
DENVER PUBLIC SCHOOLS DEPARTMENT OF FACILITIES MANAGEMENT APPROVED CONTRACT DOCUMENT		DESIGNED BY: GPD DRAWN BY: JG CHECKED BY: JG DATE: 15 APRIL 2009 SCALE: 1" = 30'	DETAIL CA		
DATE		DWG. NO.		SHEET	
		L1.82			



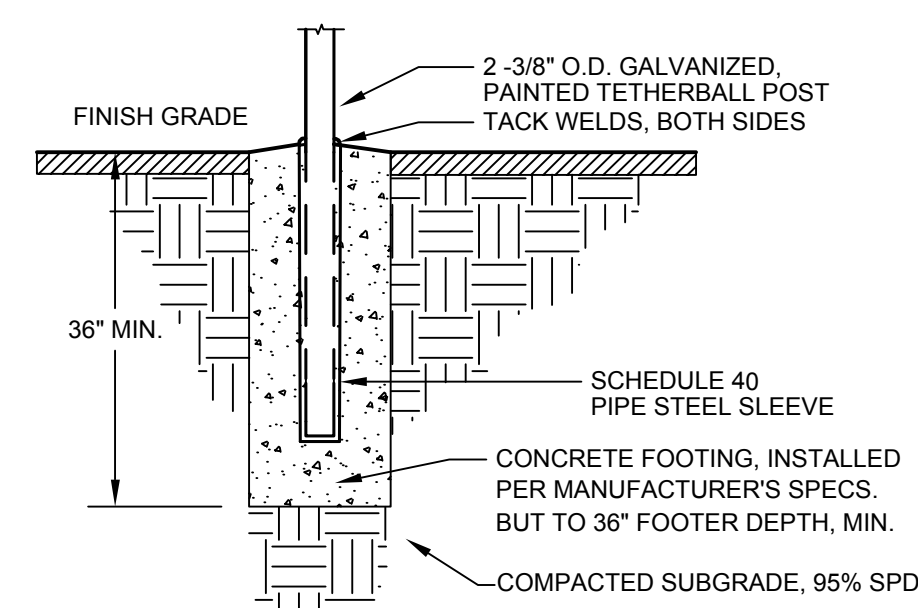
- NOTE:
 1. CONCRETE MIX DESIGN PER STRUCTURAL WALL SPECIFICATIONS.
 2. SAW CUT 1/4" WIDTH CONTROL JOINTS EVERY TEN FEET. CONTROL JOINTS ON TOP OF WALL AND DOWN FACE. ALIGN SAW CUTS WITH SURROUNDING FLATWORK CONCRETE JOINTS.
 3. SPOT ELEVATIONS ARE AS FOLLOWS (REF: CIVIL):

SPOT ELEVATIONS	HIGH/LOW TOC*	TOM	BOC
SWING PIT	5465.10/5464.76	5464.76	5462.51
PRIMARY/INTERMEDIATE PIT	5464.97/5464.40	5464.40	5462.15

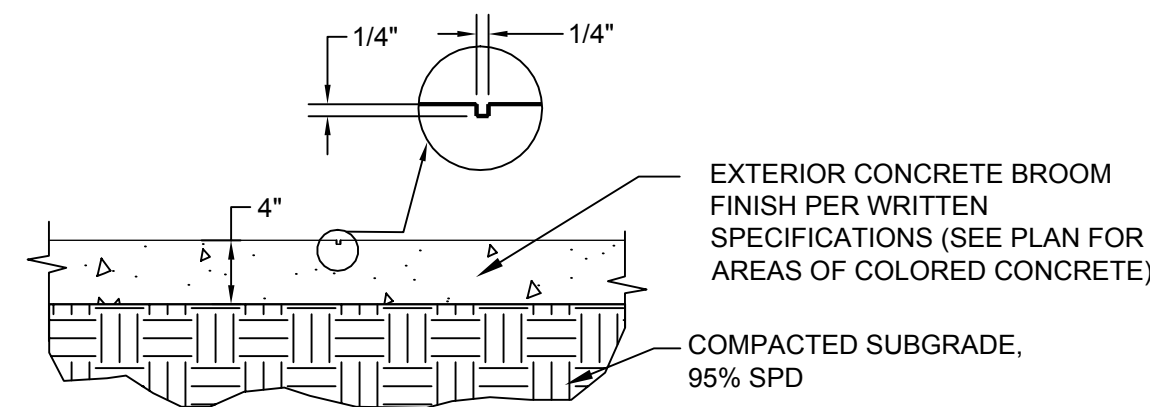
*TOC VARIES WITH GRADE. REF: CIVIL.



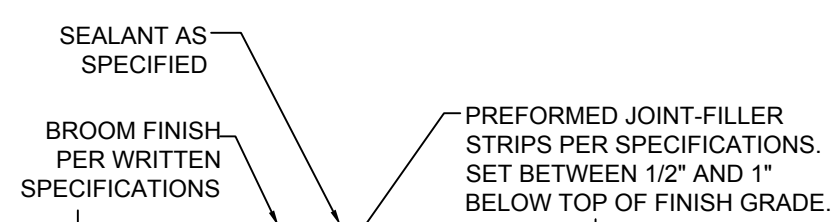
1 PLAY PIT CURB
SCALE: NTS



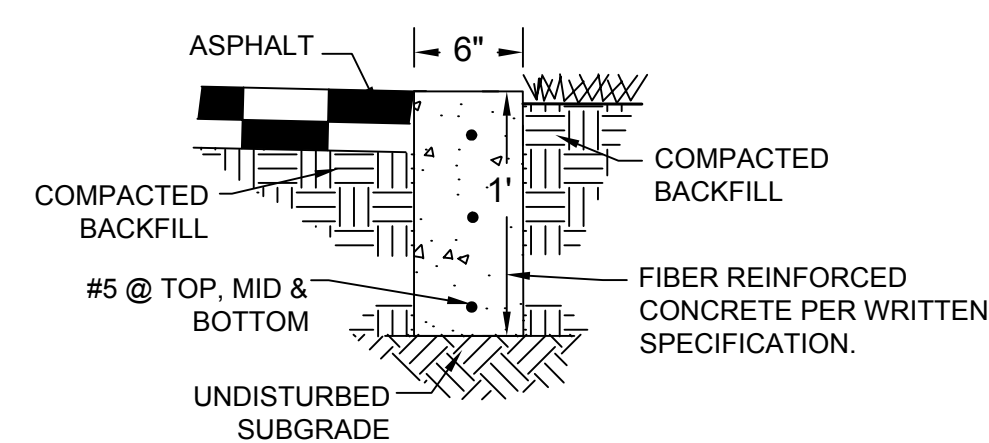
4 TETHERBALL SLEEVE, TYP.
SCALE: NTS



8 SAW CUT CONTRACTION JOINT, TYP.
SCALE: NTS

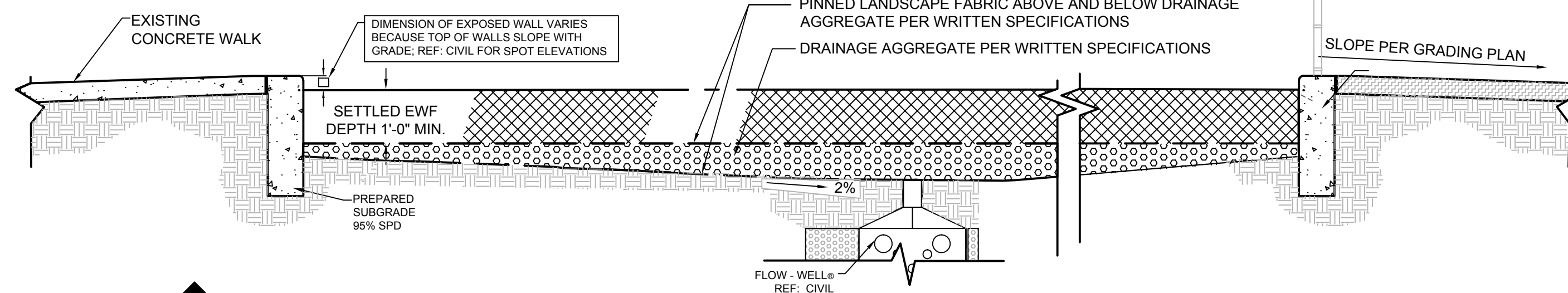


11 EXPANSION JOINT, TYP.
SCALE: NTS

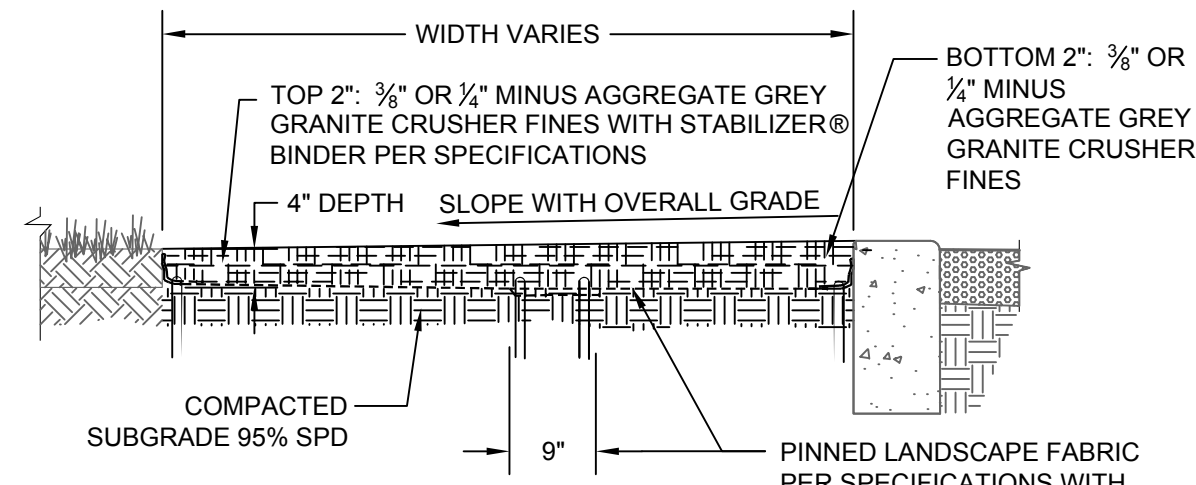


13 FLUSH CONCRETE CURB AT ASPHALT EDGE
SCALE: NTS

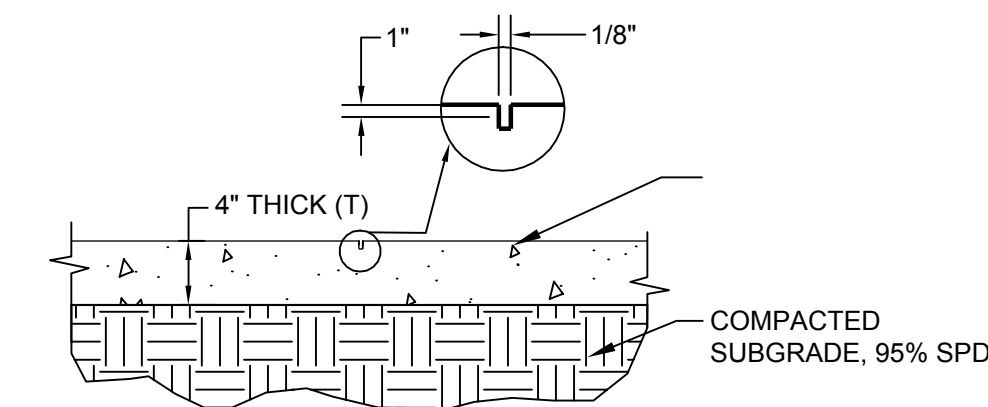
- NOTES:
 1. WALLS SHOWN HERE FOR REFERENCE ONLY - SEE DETAIL 1, SHEET L1.8 FOR ACTUAL WALL CONSTRUCTION DETAIL.
 2. REF: CIVIL FOR SPOT GRADES INCLUDING: TOP OF CURB, BOTTOM OF CURB, AND FINISH GRADE FOR ENGINEERED WOOD FIBER.
 3. REF: CIVIL FOR PIPE AND DRAINAGE DETAILS.
 4. PIT SUBGRADE SLOPES TO CENTER INLET @ 2%. REF: CIVIL FOR DRAIN INVERT ELEVATIONS.
 5. TOP OF EWF IS LEVEL. CONTRACTOR TO OVERFILL PLAY PITS WITH EWF TO A 15\"/>



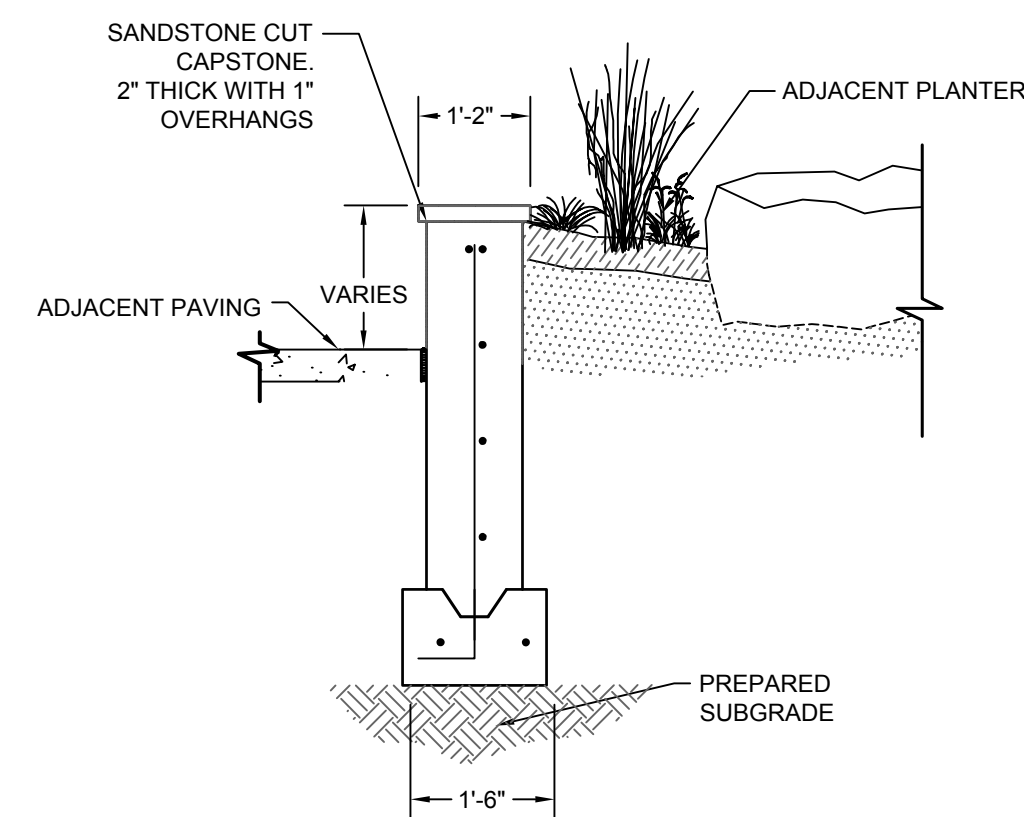
2 PLAY PIT SECTION, TYP
SCALE: NTS



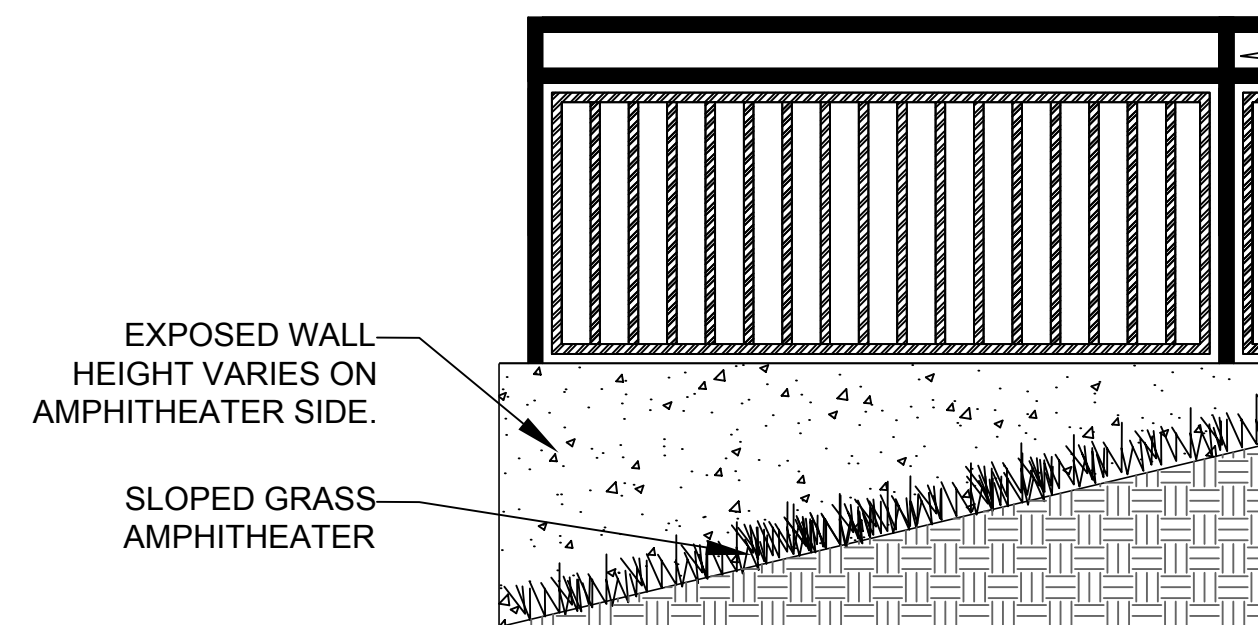
5 CRUSHER FINES
SCALE: NTS



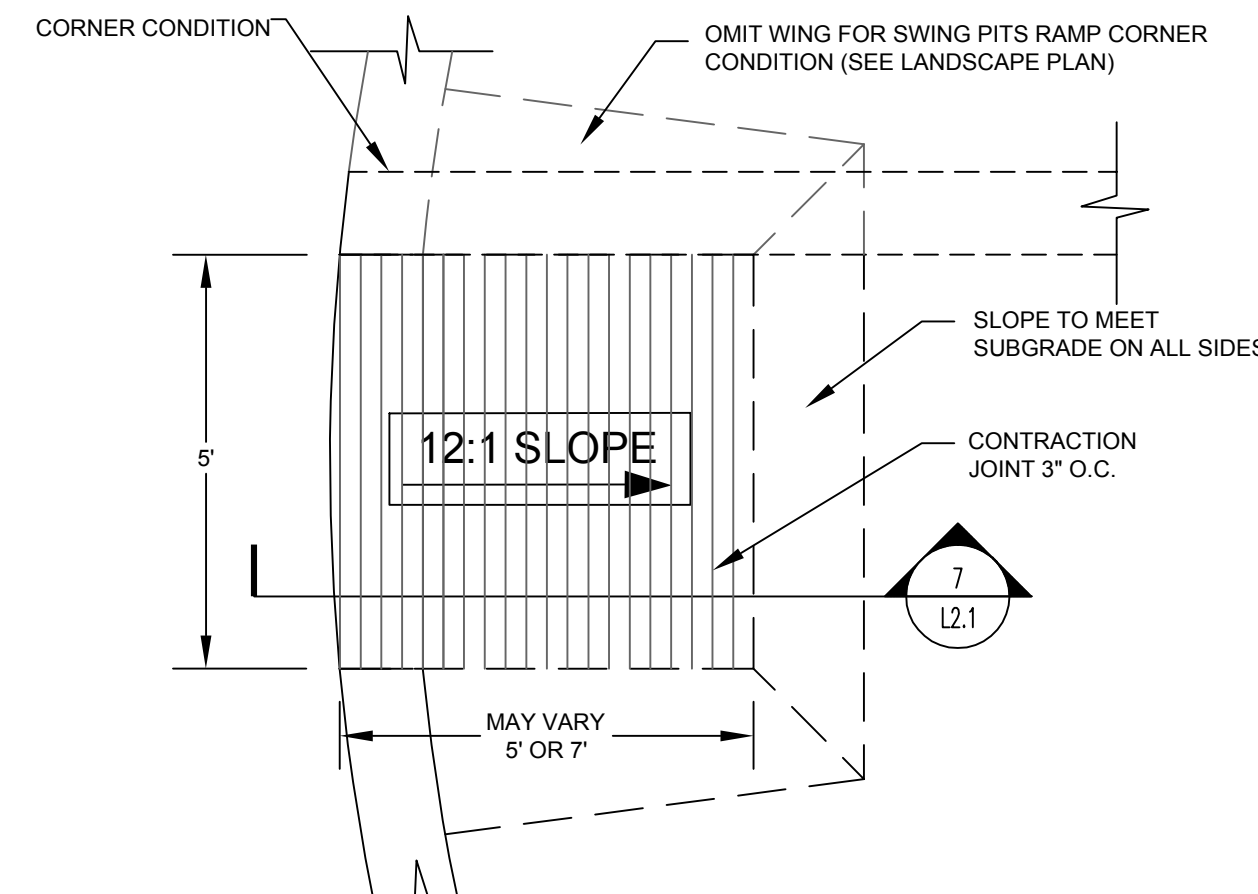
9 CONCRETE WITH TOOLED CONTRACTION JOINT, TYP.
SCALE: NTS



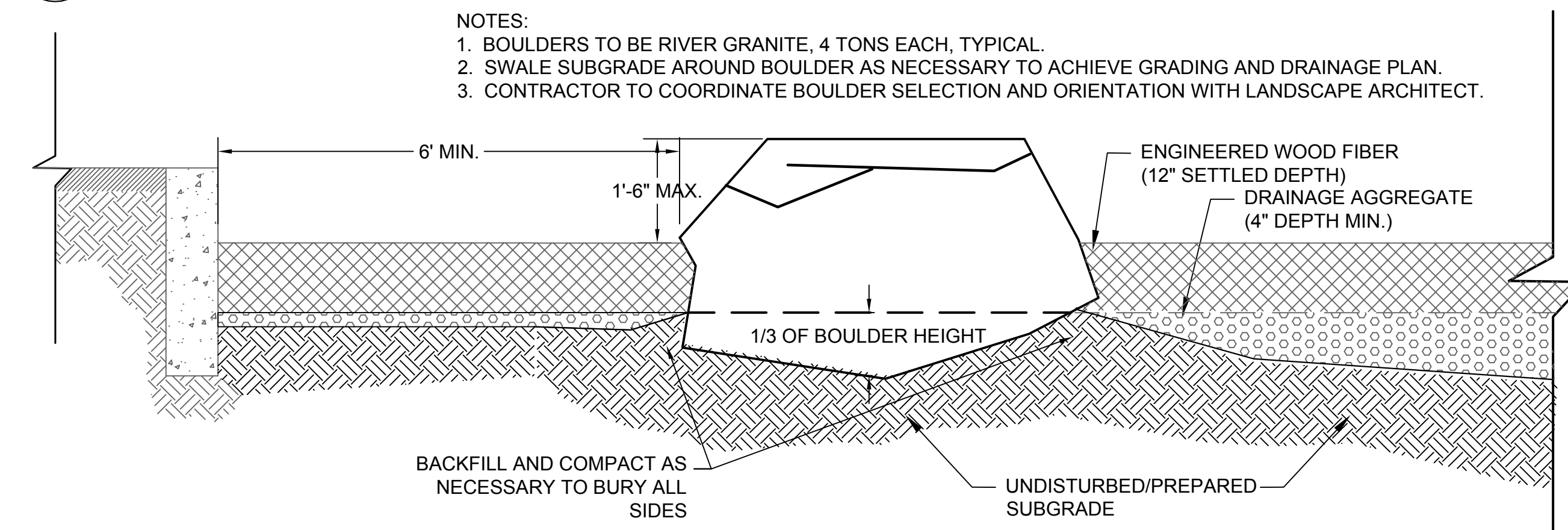
12 WALL TREATMENT, TYP
SCALE: NTS



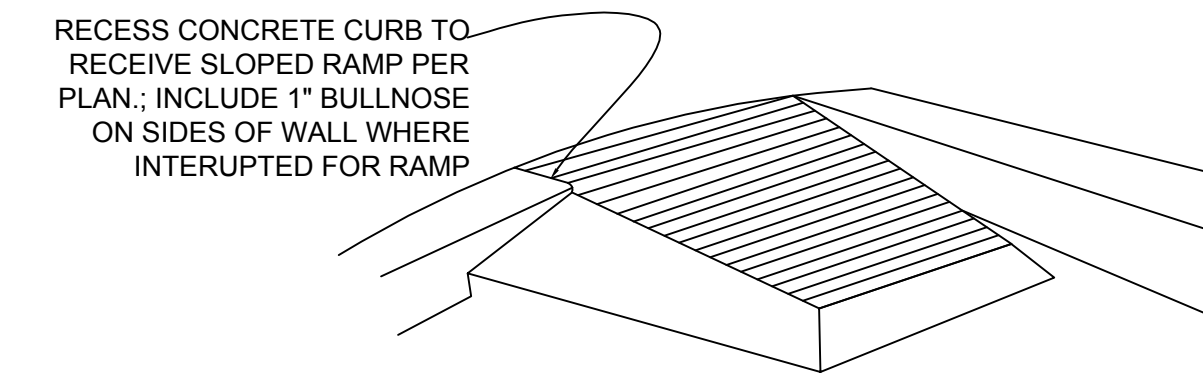
14 RAILING, NORTH AMPHITHEATER WALL
SCALE: NTS



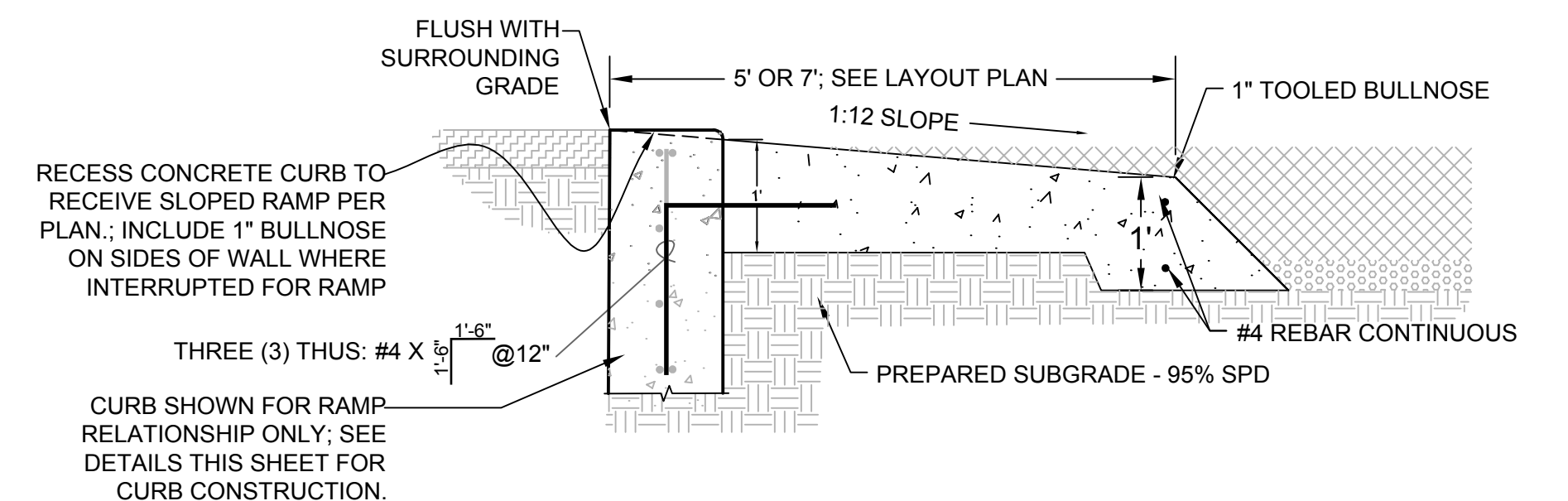
6 PLAY PIT RAMP - PLAN VIEW, TYP.
SCALE: NTS



10 BOULDER IN WOOD MULCH, TYPICAL
SCALE: NTS



3 PLAY PIT RAMP - CORNER OR MID-WALL CONDITION
SCALE: NTS



7 PLAY PIT RAMP - SECTION, TYP.
SCALE: NTS

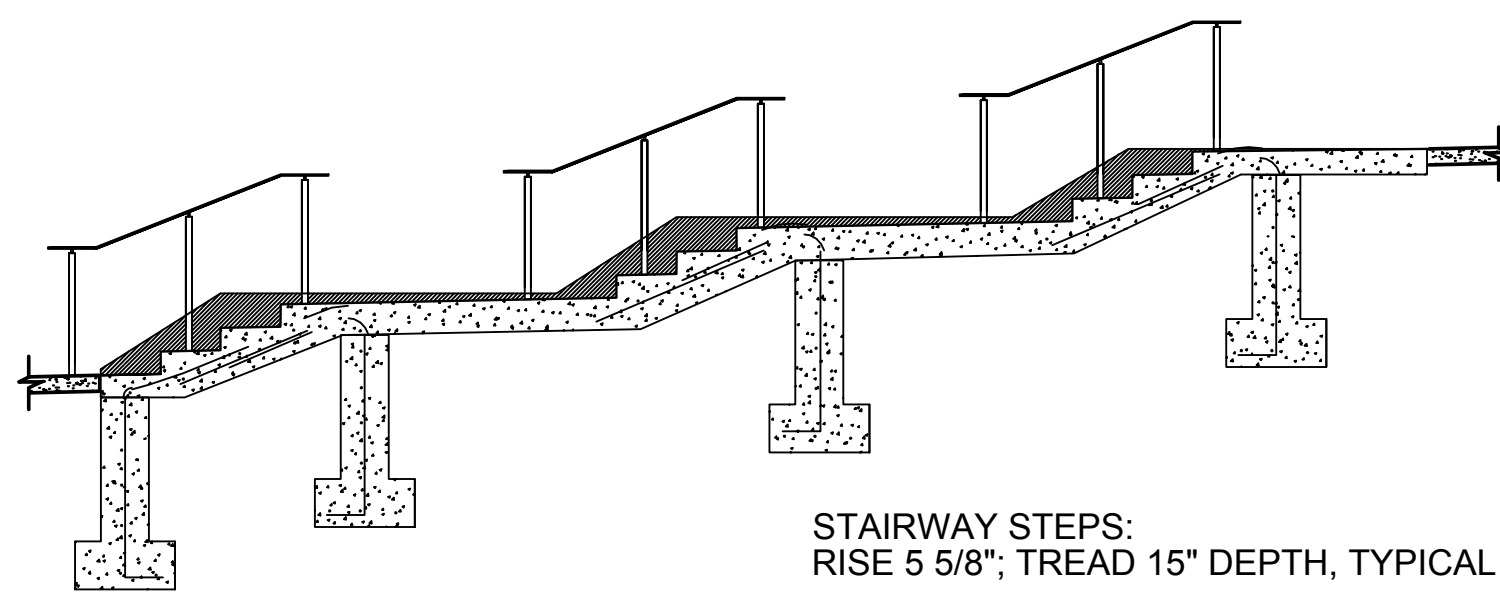
- NOTES:
 1. BOULDERS TO BE RIVER GRANITE, 4 TONS EACH, TYPICAL.
 2. SWALE SUBGRADE AROUND BOULDER AS NECESSARY TO ACHIEVE GRADING AND DRAINAGE PLAN.
 3. CONTRACTOR TO COORDINATE BOULDER SELECTION AND ORIENTATION WITH LANDSCAPE ARCHITECT.

CONCRETE WORK NOTES:

- ALL EXPOSED VERTICAL CONCRETE TO HAVE CLASS 1 FINISH.
- ALL CONCRETE TO BE REINFORCED PER DRAWINGS AND WRITTEN SPECIFICATIONS.
- ALL PIT INTERIORS TO RECEIVE 1\"/>

NO.	DATE	DESCRIPTION OF REVISION	AUTHORITY	MADE	APPR'D
DENVER PUBLIC SCHOOLS DEPARTMENT OF FACILITIES MANAGEMENT SCHOOL DISTRICT NO.1 SITE NO. 148 SCHOOL NO. YYY DENVER, COLORADO SAMUELS ELEMENTARY SCHOOL LEARNING LANDSCAPE 3985 S Vincennes Ct. Denver, CO 80237					
DENVER PUBLIC SCHOOLS DEPARTMENT OF FACILITIES MANAGEMENT APPROVED CONTRACT DOCUMENT		DESIGNED BY GPD DRAWN BY JG CHECKED BY JG DATE 15 APRIL 2009 SCALE 1" = 50'	DETAILS A		
DATE		DWG. NO. L2.1		SHEET X / Y	





STAIRWAY STEPS:
RISE 5 5/8"; TREAD 15" DEPTH, TYPICAL

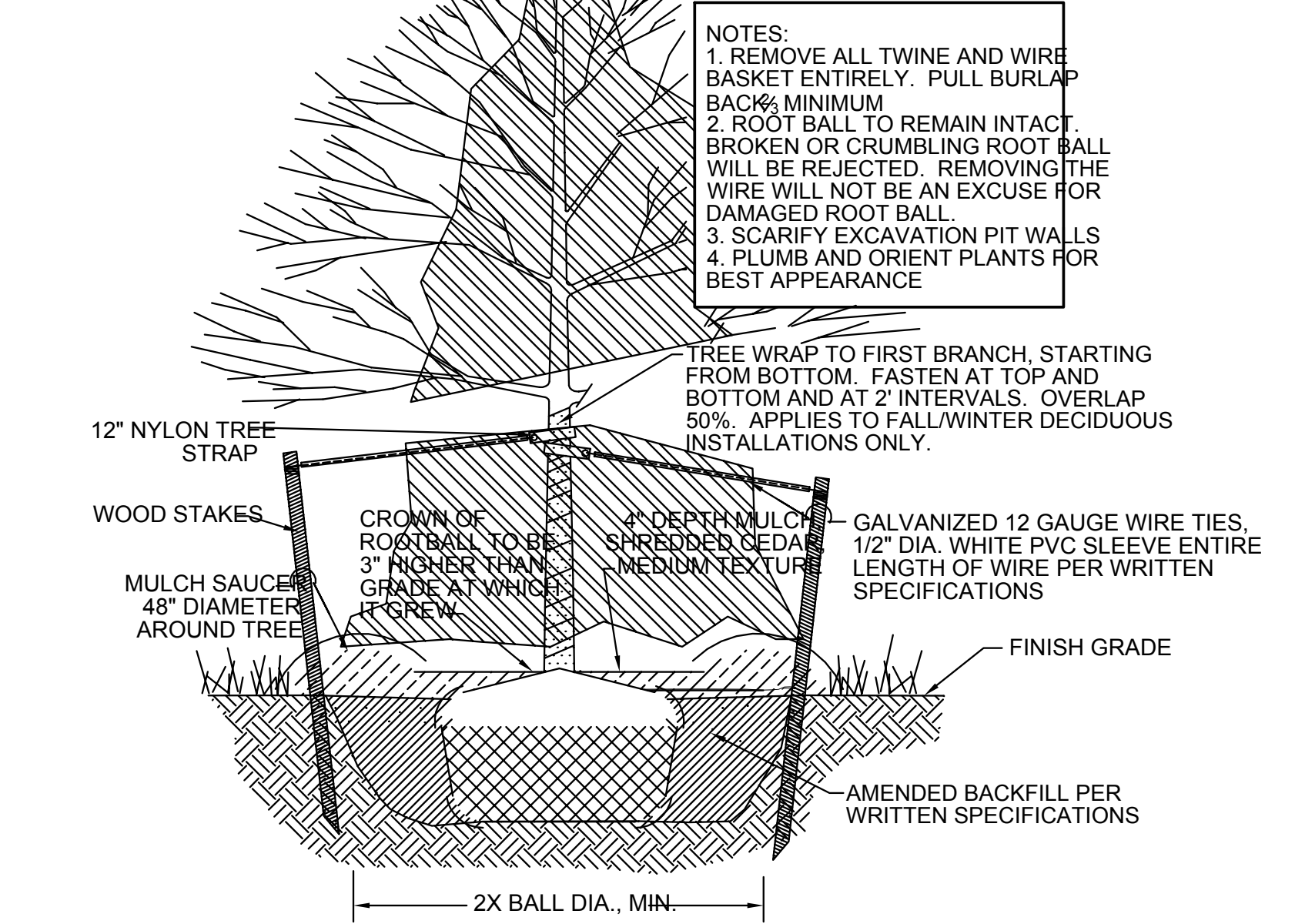
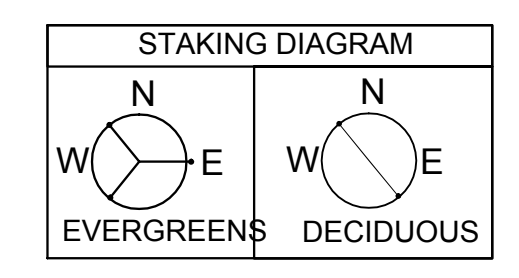
1 STAIRWAY WITH HANDRAILS
SCALE: 1/4" = 1'



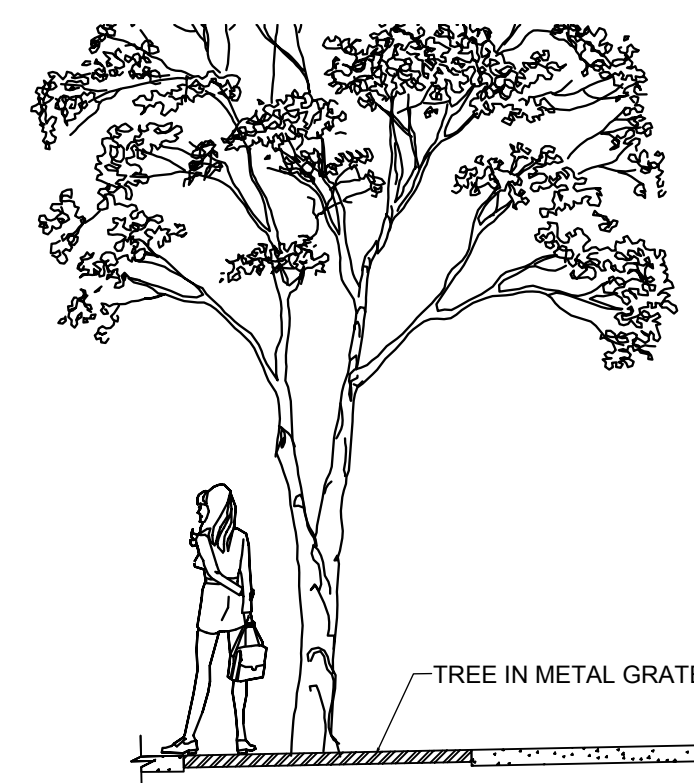
2 HANDRAIL PRECEDENT
SCALE: NTS



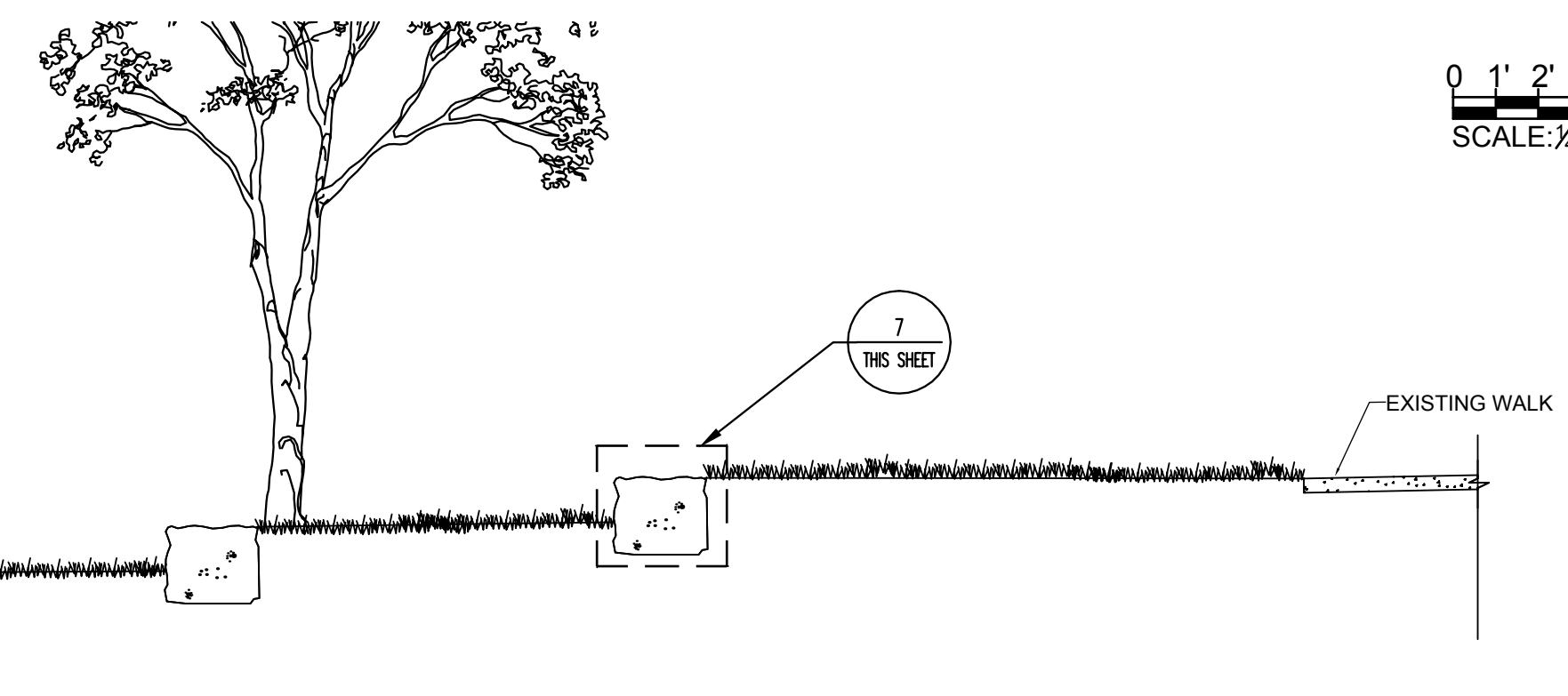
2A HANDRAIL ENLARGEMENT
SCALE: NTS



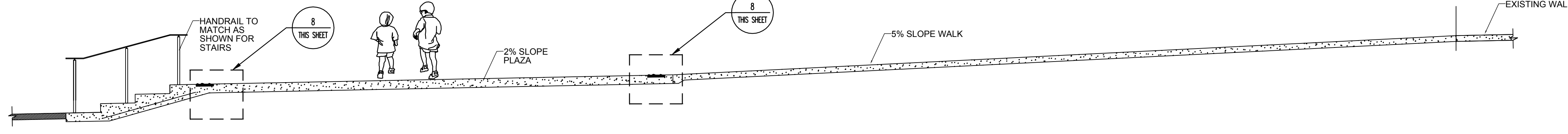
5 TREE PLANTING DETAIL IN GRASS, TYPICAL
SCALE: NTS



3 GRASS AMPHITHEATER
SCALE: 1/4" = 1'



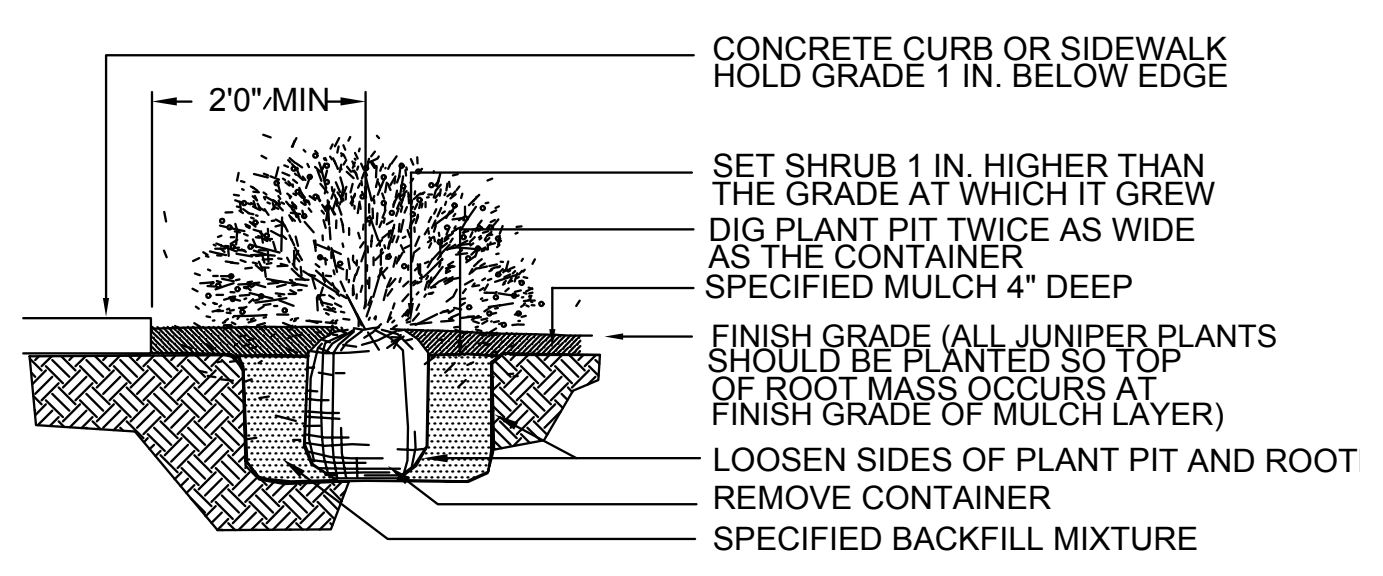
SHADE STRUCTURE STEPS:
RISE 6", TREAD 2" DEPTH, TYPICAL



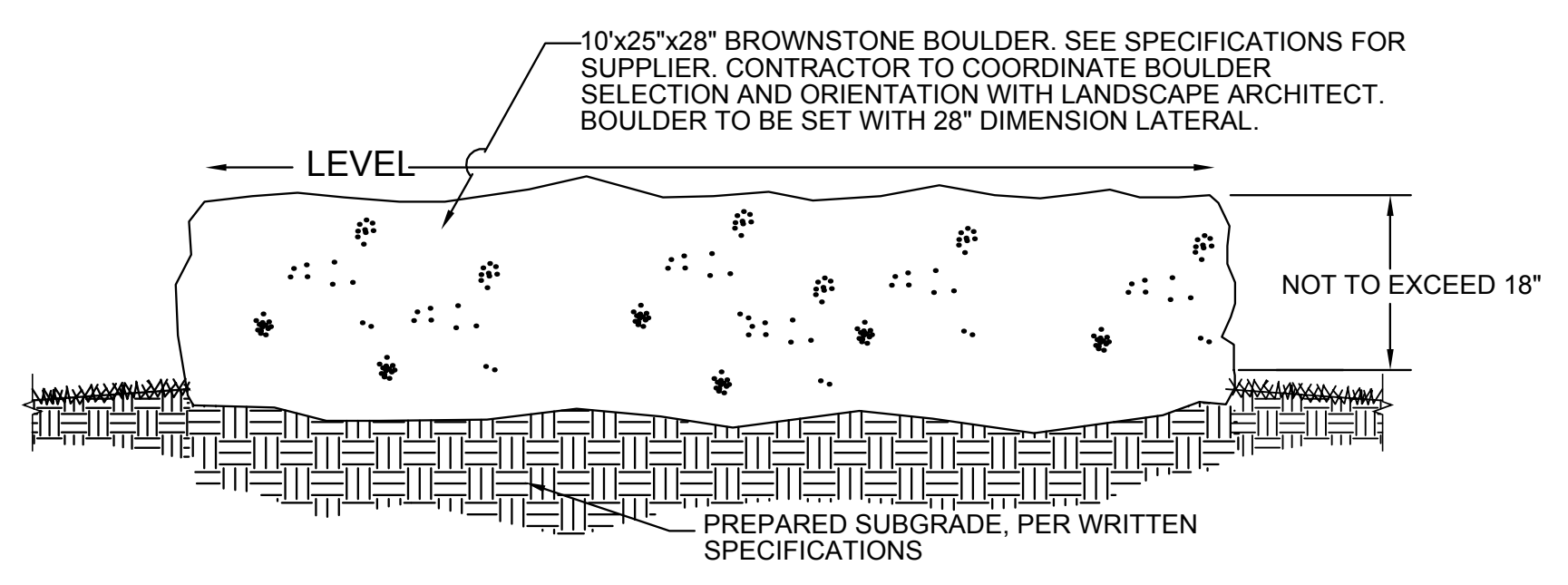
4 GRASS AMPHITHEATER
SCALE: 1/4" = 1'

8 TRUNCATED DOME WARNING STRIP FOR SHADE STRUCTURE PLATFORM
SCALE: NTS

- NOTE:
1. ANY BROKEN OR CRUMBLING ROOTBALL WILL BE REJECTED. REMOVING THE CONTAINER WILL NOT BE AN EXCUSE FOR DAMAGED ROOTBALL.
 2. PRUNE ALL DAMAGED OR DEAD WOOD IMMEDIATELY PRIOR TO PLANTING.
 3. IN FRONT END PARKING SITUATIONS, PLANT SHRUBS MIN. 4'-0" BEHIND CURB

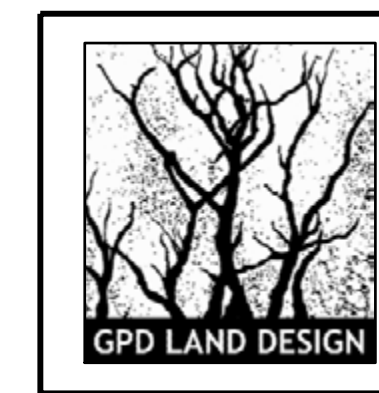


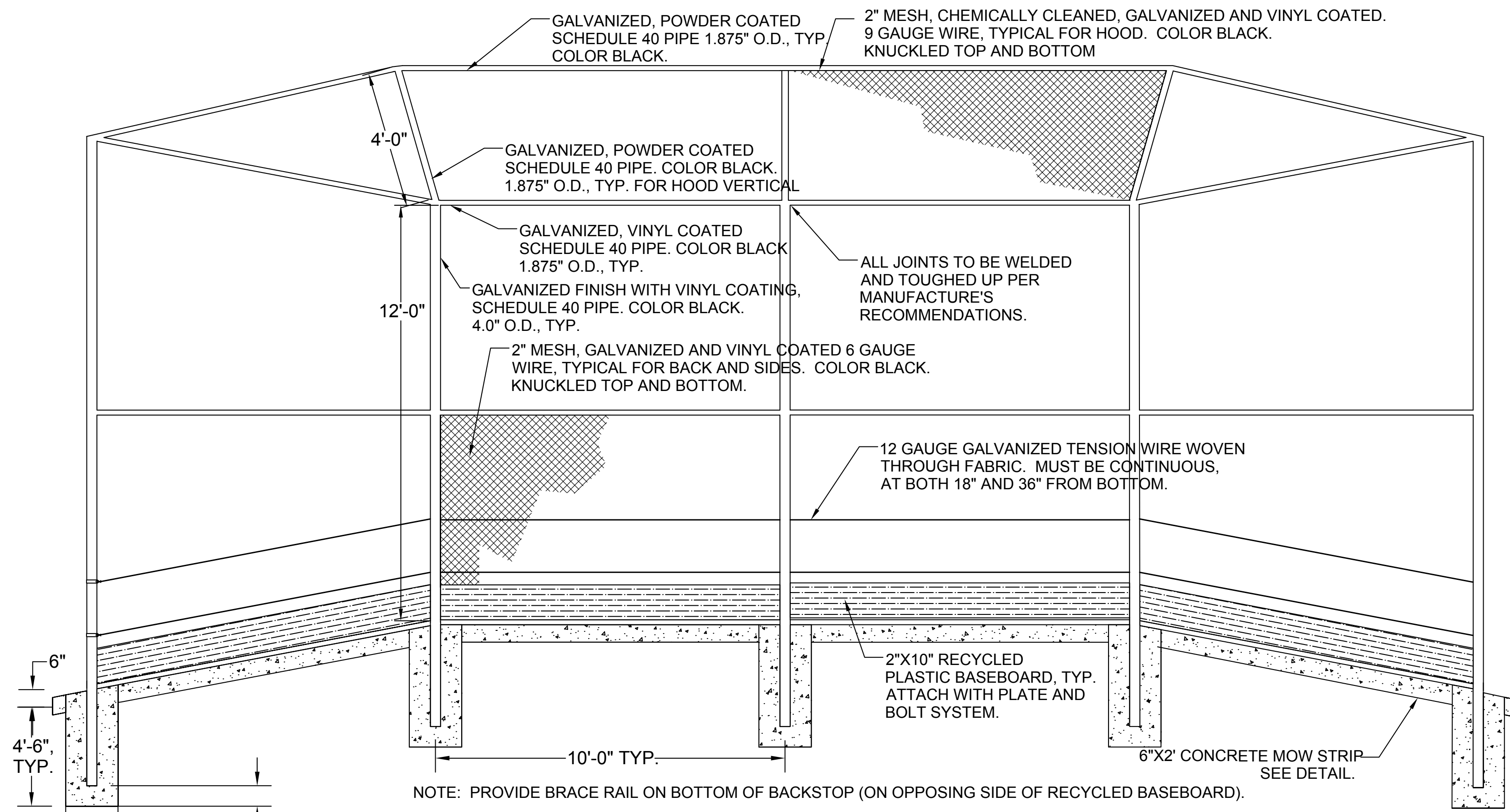
6 SHRUB PLANTING DETAIL, TYP.
SCALE: NTS



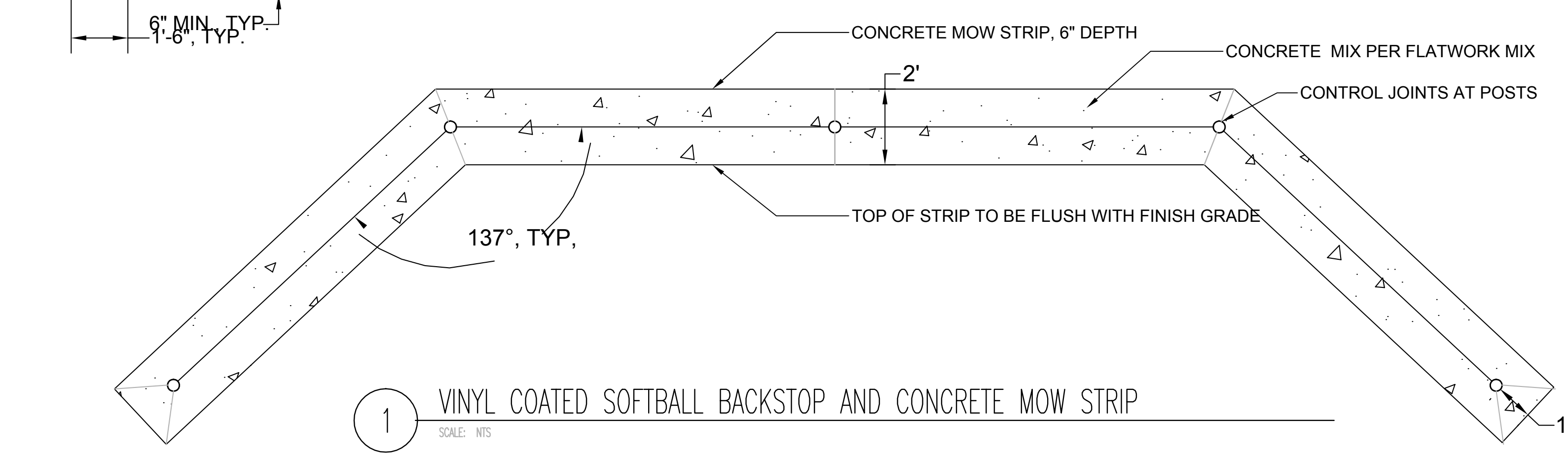
7 AMPHITHEATER BOULDER SEATING
SCALE: NTS

04.15.09		50% CONSTRUCTION DRAWINGS			
NO.	DATE	DESCRIPTION OF REVISION	AUTHORITY	MADE	APPR'D
		DENVER PUBLIC SCHOOLS			
		DEPARTMENT OF FACILITIES MANAGEMENT			
		SCHOOL DISTRICT NO.1 SITE NO. 148 SCHOOL NO. YYY DENVER, COLORADO			
		SAMUELS ELEMENTARY SCHOOL			
		LEARNING LANDSCAPE			
		3985 S Vincennes Ct. Denver, CO 80237			
DENVER PUBLIC SCHOOLS DEPARTMENT OF FACILITIES MANAGEMENT APPROVED CONTRACT DOCUMENT		DESIGNED BY: GPD DRAWN BY: JG CHECKED BY: JG DATE: 15 APRIL 2009 SCALE: 1" = 5'	DETAILS B		
DATE		DWG. NO. L2.2		SHEET X/Y	

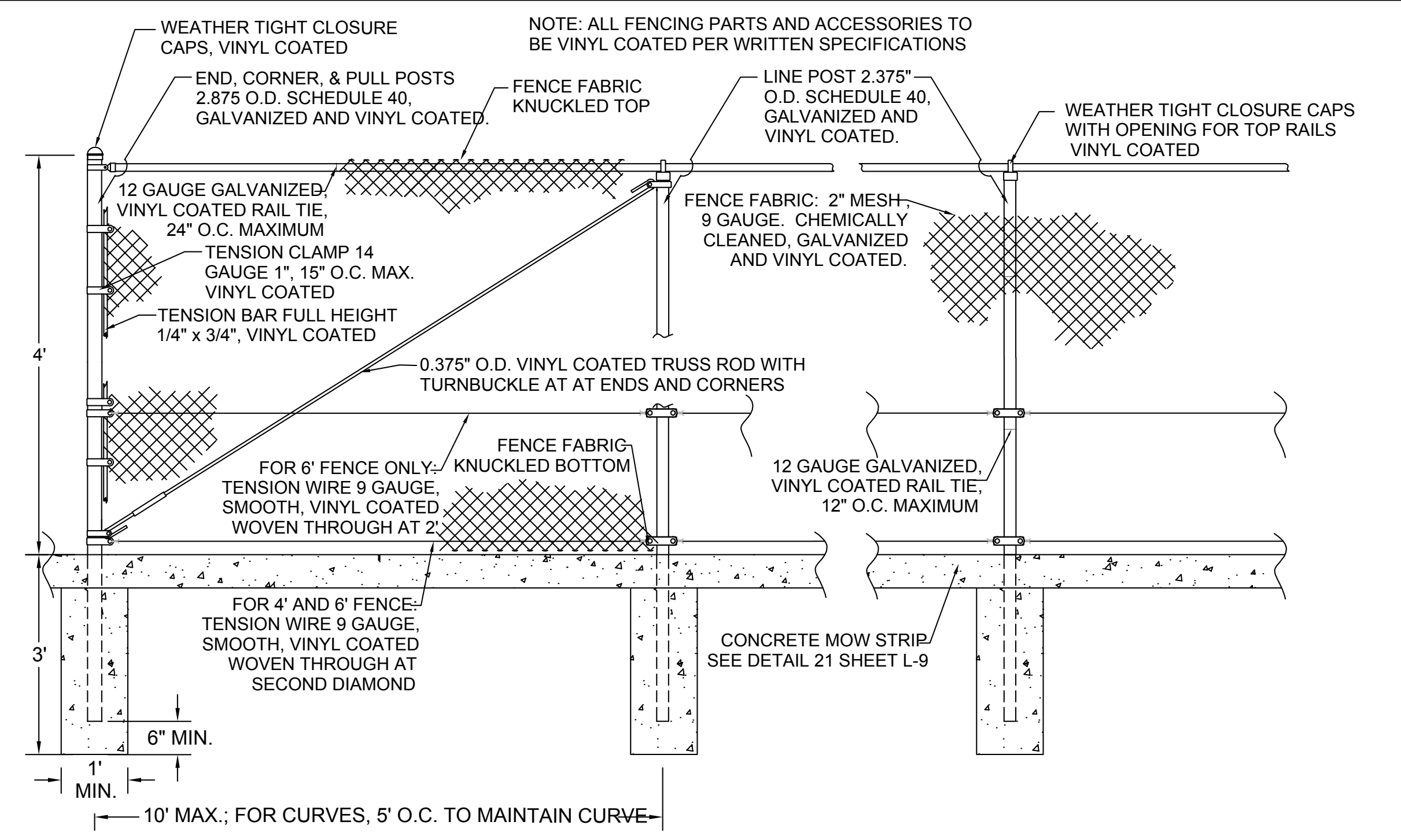




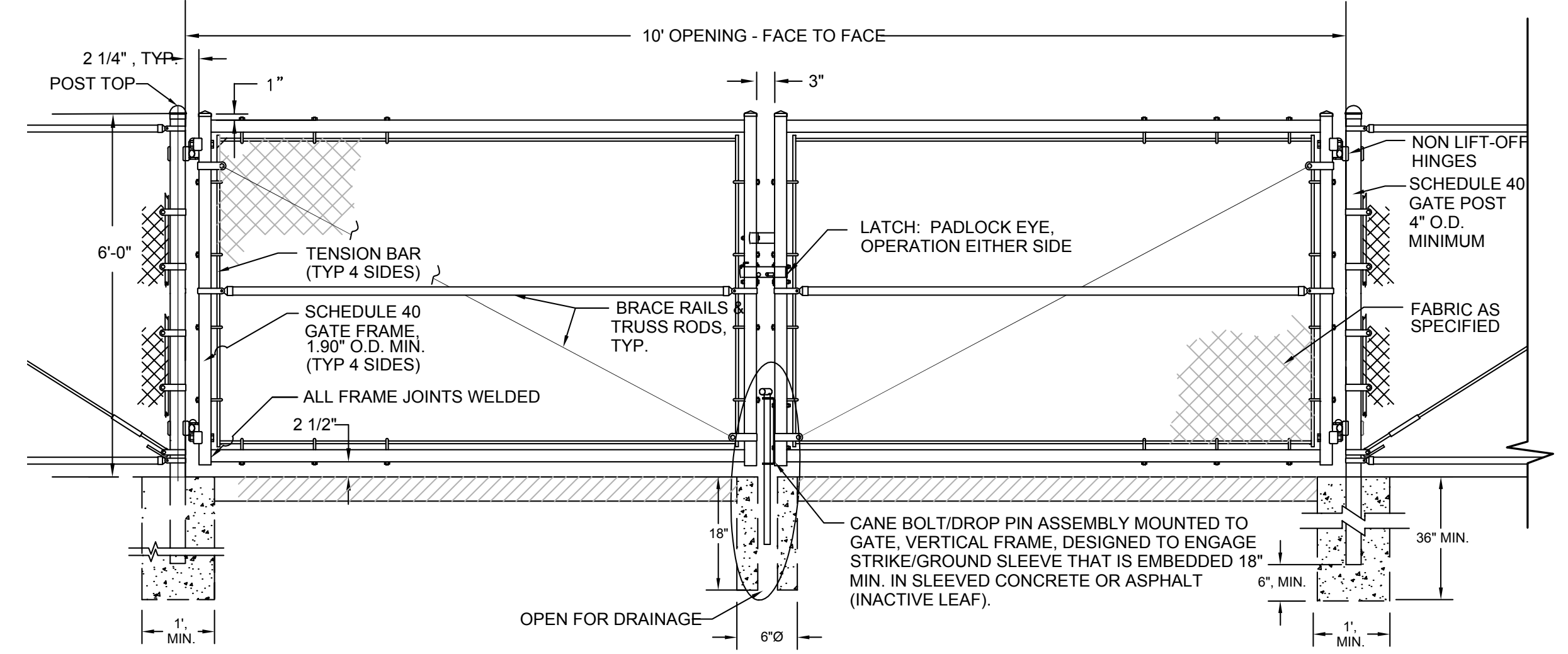
NOTE: PROVIDE BRACE RAIL ON BOTTOM OF BACKSTOP (ON OPPOSING SIDE OF RECYCLED BASEBOARD).



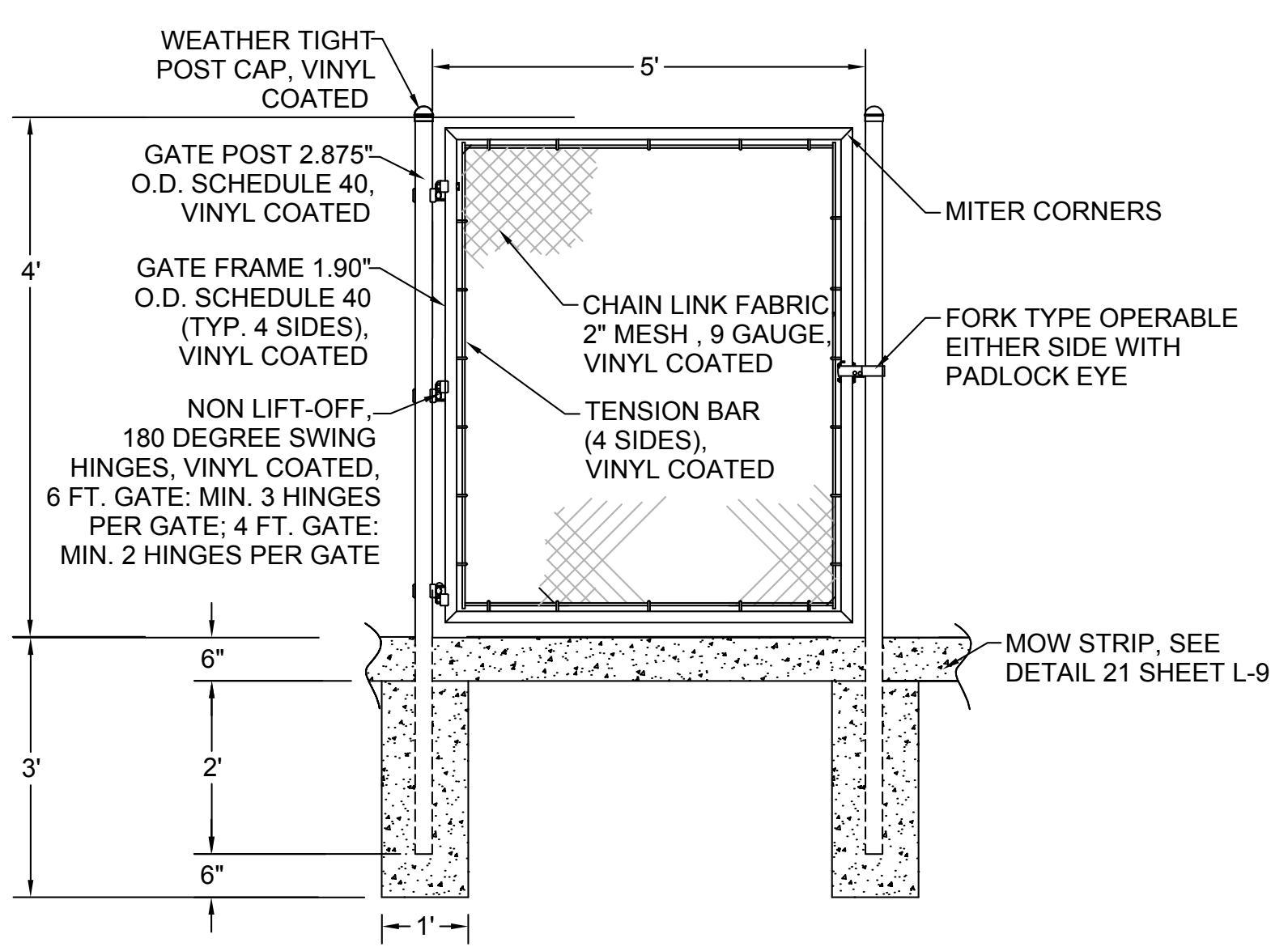
1 VINYL COATED SOFTBALL BACKSTOP AND CONCRETE MOW STRIP
SCALE: NTS



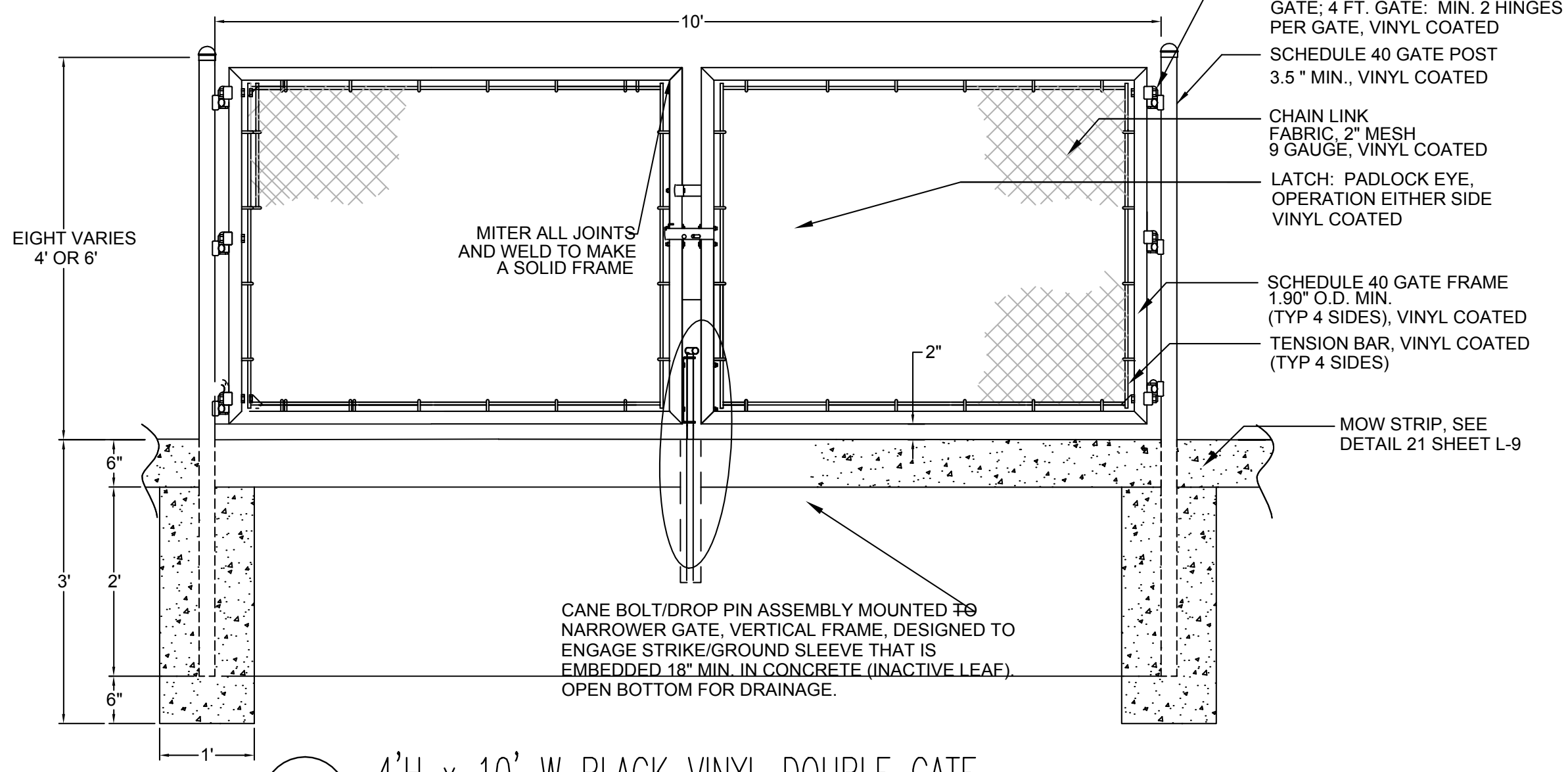
2 4' BLACK VINYL FENCING
SCALE: NTS



3 6'H x 10' W GALVANIZED DOUBLE DRIVE GATE
SCALE: NTS



4 4'H x 5'W BLACK VINYL PEDESTRIAN GATE
SCALE: NTS



5 4'H x 10' W BLACK VINYL DOUBLE GATE
SCALE: NTS



04.15.09		50% CONSTRUCTION DRAWINGS			
NO.	DATE	DESCRIPTION OF REVISION	AUTHORITY	MADE	APPR'D
DENVER PUBLIC SCHOOLS DEPARTMENT OF FACILITIES MANAGEMENT SCHOOL DISTRICT NO.1 SITE NO. 148 SCHOOL NO. YYY DENVER, COLORADO SAMUELS ELEMENTARY SCHOOL LEARNING LANDSCAPE 3985 S Vincennes Ct. Denver, CO 80237					
DENVER PUBLIC SCHOOLS DEPARTMENT OF FACILITIES MANAGEMENT		DESIGNED BY GPD	DRAWN BY JG	DETAILS C	
APPROVED CONTRACT DOCUMENT		CHECKED BY JG	DATE 15 APRIL 2009		
DATE		SCALE VARIES			
DWG. NO. L2.3		SHEET X Y			

PRECEDENTS



PEDESTAL/TOTEM



ENGRAVED BENCH



ENGRAVED BOULDER



ENGRAVED CONCRETE WALL



SANDBLASTED CONCRETE PEDESTAL



ENGRAVED STONE WALL



GEOGRAPHY MARKERS PLAN
1:13

<p>1</p> <p>ANCHORAGE UNITED STATES OF AMERICA 2403mi 3867km</p> <p>CLIMATE: SUBARCTIC</p> <p>ANIMALS: BLACK BEAR, GRIZZLY BEAR, MOOSE</p>	<p>2</p> <p>DENVER UNITED STATES OF AMERICA STARTING POINT</p> <p>CLIMATE: SEMI-ARID HIGH-DESERT</p> <p>ANIMALS: BISON, BIGHORN SHEEP, WOLF, FOX, MOUNTAIN LION</p>	<p>3</p> <p>NEW YORK UNITED STATES OF AMERICA 1623mi 2612km</p> <p>CLIMATE: HUMID SUBTROPICAL</p> <p>ANIMALS: BLACK BEAR, WILD TURKEY, DEER, FOX</p>	<p>4</p> <p>MEXICO CITY MEXICO 1439mi 2316km</p> <p>CLIMATE: TEMPERATE/HIGHLAND</p> <p>ANIMALS: MEXICAN GREY WOLF, OCELOT, LIZARD, DONKEY, PUMA, JAGUAR</p>	<p>5</p> <p>LIMA PERU 3990mi 6421km</p> <p>CLIMATE: DESERT & SUBTROPICAL</p> <p>ANIMALS: LLAMA, VIZCACHA, DEER, ANDEAN FOX</p>	<p>6</p> <p>BUENOS AIRES ARGENTINA 5910mi 9512km</p> <p>CLIMATE: HUMID SUBTROPICAL</p> <p>ANIMALS: PUMA, MARGAY, PAMPAS CAT, ANDEAN CONDOR, MAGELLANIC PENGUINS, SOUTHERN SEA LIONS</p>	<p>7</p> <p>CAPE TOWN SOUTH AFRICA 9320mi 14999km</p> <p>CLIMATE: MEDITERRANEAN</p> <p>ANIMALS: AFRICAN ELEPHANTS, AFRICAN LION, LEOPARD, CROCODILE, WILDEBEAST</p>
<p>8</p> <p>LONDON UNITED KINGDOM 4693mi 7553km</p> <p>CLIMATE: TEMPERATE/MARINE</p> <p>ANIMALS: RED DEER, FOX, RABBIT, BADGER, WEASEL, HEDGEHOG</p>	<p>9</p> <p>CAIRO EGYPT 6864mi 11,046km</p> <p>CLIMATE: DESERT & MEDITERRANEAN</p> <p>ANIMALS: AOUADAD, DORCAS, GAZELLE, FENNEC, NUBIAN IBEX</p>	<p>10</p> <p>MOSCOW RUSSIAN FEDERATION 5494mi 8842km</p> <p>CLIMATE: HUMID CONTINENTAL</p> <p>ANIMALS: HARE, GREAT EAGLE OWL, SQUIRREL, FOX, BEAVER</p>	<p>11</p> <p>MUMBAI INDIA 8376mi 13,480km</p> <p>CLIMATE: TROPICAL</p> <p>ANIMALS: BENGAL TIGER, INDIAN ELEPHANT, PEACOCK, KING COBRA</p>	<p>12</p> <p>BEIJING CHINA 6363mi 10240km</p> <p>CLIMATE: HUMID CONTINENTAL</p> <p>ANIMALS: GIANT PANDA, SIBERIAN TIGER, SNUB-NOSED GOLDEN MONKEY</p>	<p>13</p> <p>TOKYO JAPAN 5814mi 9356km</p> <p>CLIMATE: HUMID SUBTROPICAL</p> <p>ANIMALS: ALBATROSS, SEROW, OTTER, GENJI FIREFLY, IRIOMOTE WILDCAT</p>	<p>14</p> <p>SYDNEY AUSTRALIA 8,315mi 13,382km</p> <p>CLIMATE: TEMPERATE</p> <p>ANIMALS: KANGAROO, KOALA, TASMANIAN DEVIL, WOMBAT, PLATYPUS, EMU</p>

DESCRIPTION:
 1. GEOGRAPHY MARKERS TO BE LAID OUT ON THE SITE.
 2. EACH MARKER WILL HAVE A DISTINCT FORM OF DISPLAY SUCH AS THE PRECEDENTS TO THE RIGHT.
 3. THEY WILL BE ORIENTED ACCORDING TO NORTH ON THE SITE AND BY ALIGNING THE EQUATOR WITH THE EQUATOR OF THE WORLD MAP ON THE PLAZA.
 4. EACH MARKER WILL HAVE THE FOLLOWING INFORMATION: CITY, COUNTY, DISTANCE FROM DENVER, CLIMATE, AND INTERESTING ANIMALS.

04.15.09	50% CONSTRUCTION DRAWINGS				
NO.	DATE	DESCRIPTION OF REVISION	AUTHORITY	MADE	APPR'D

DENVER PUBLIC SCHOOLS
 DEPARTMENT OF FACILITIES MANAGEMENT
 SCHOOL DISTRICT NO.1 SITE NO. 148 SCHOOL NO. YYY DENVER, COLORADO
SAMUELS ELEMENTARY SCHOOL
 LEARNING LANDSCAPE
 3985 S Vincennes Ct. Denver, CO 80237



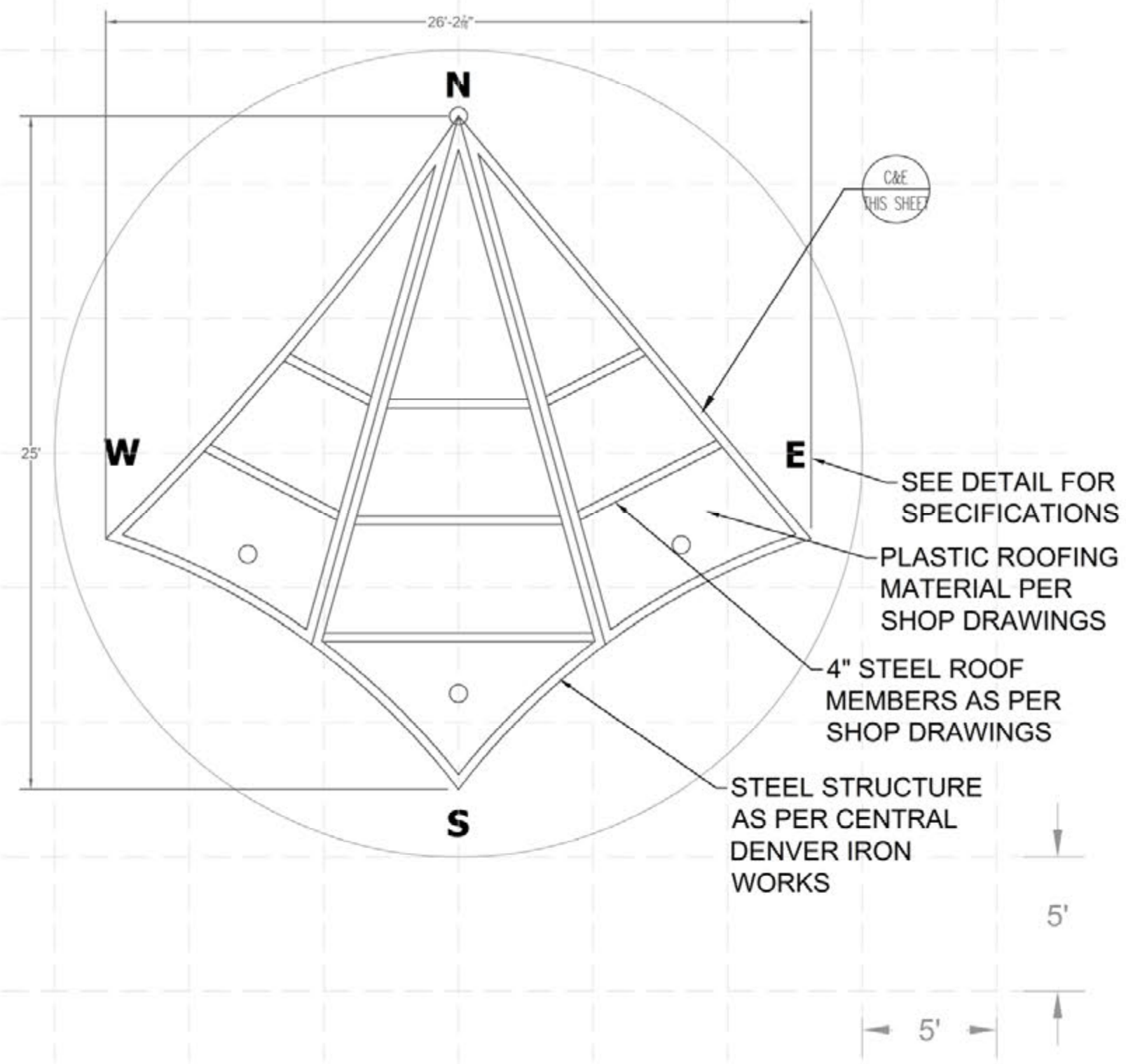
DENVER PUBLIC SCHOOLS	DESIGNED BY	GPD
DEPARTMENT OF FACILITIES MANAGEMENT	DRAWN BY	EG
APPROVED CONTRACT DOCUMENT	CHECKED BY	JG
	DATE	15 APRIL 2009
	SCALE	1" = 30'

DETAILS D

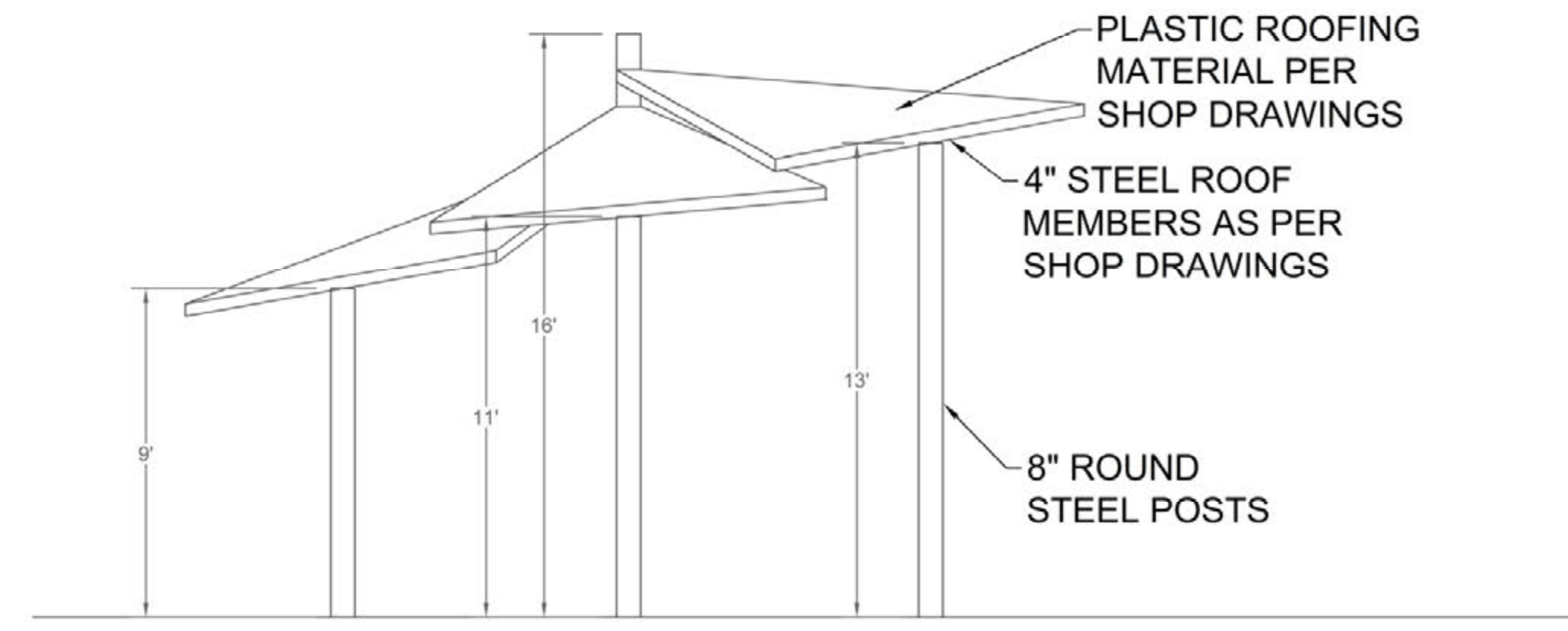
DWG. NO.	SHEET
L2.4	20
	Z

1 GEOGRAPHY MARKERS INFORMATION BY CITY
1:5

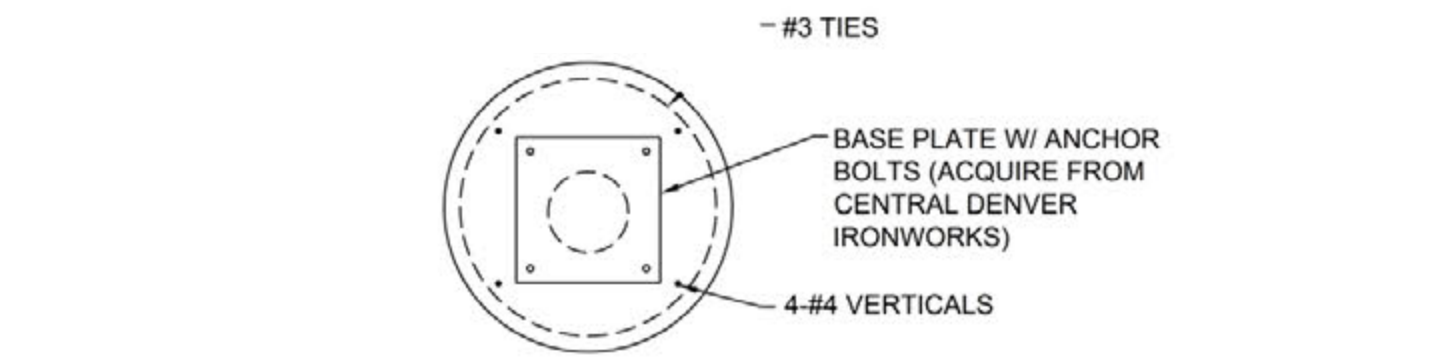
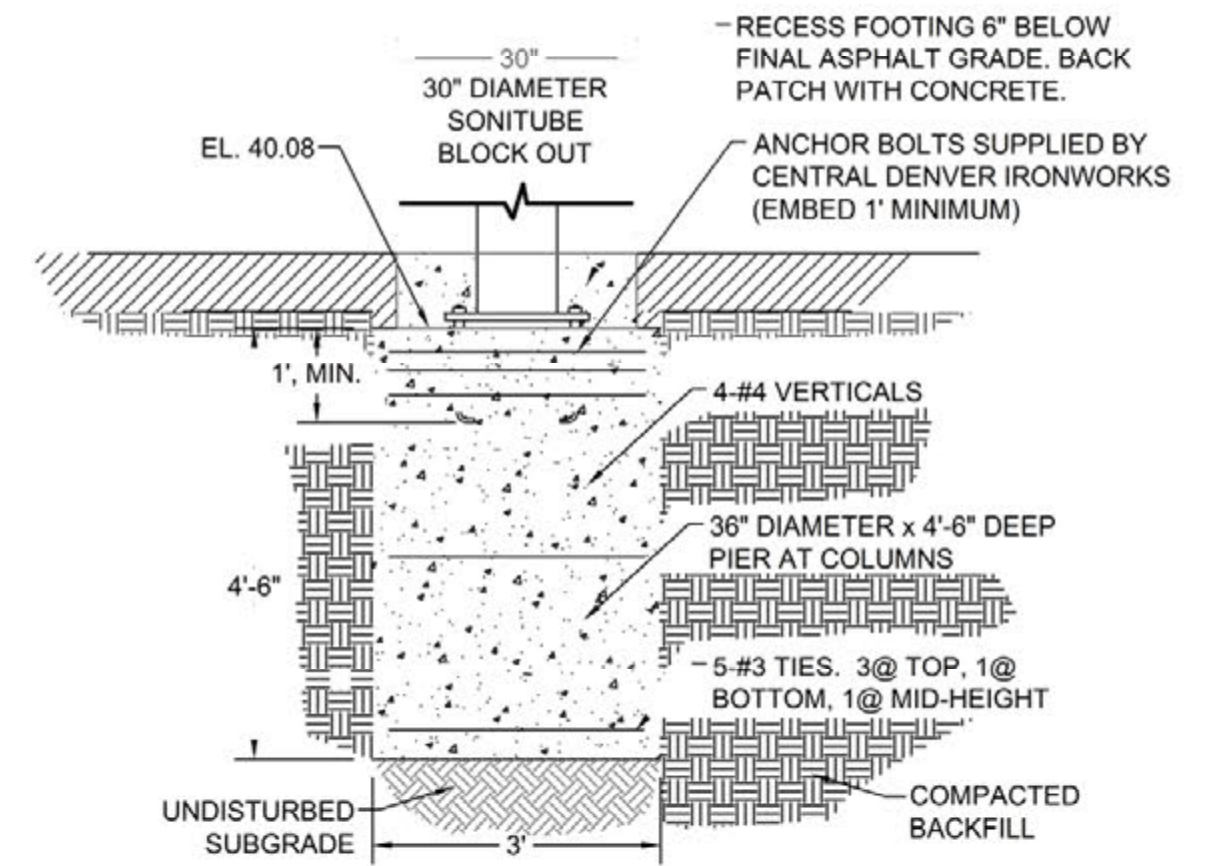
NOTE: 5' GRID IS FOR LAYOUT PURPOSES ONLY. SEE DETAIL 3, SHEET L-10 FOR CONTRACTION AND EXPANSION JOINT PLAN.



1 SHADE STRUCTURE LAYOUT
SCALE: 1" = 5'-0"



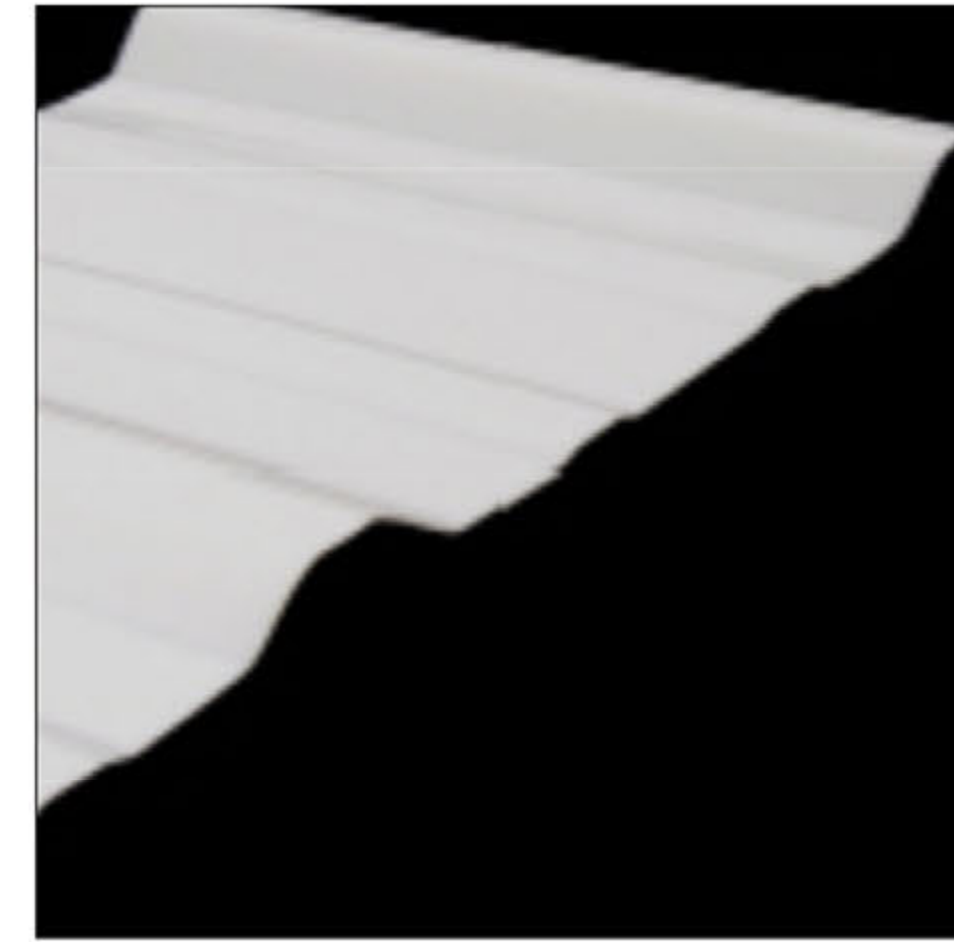
3 SHADE STRUCTURE ELEVATION
SCALE: 1" = 4'-0"



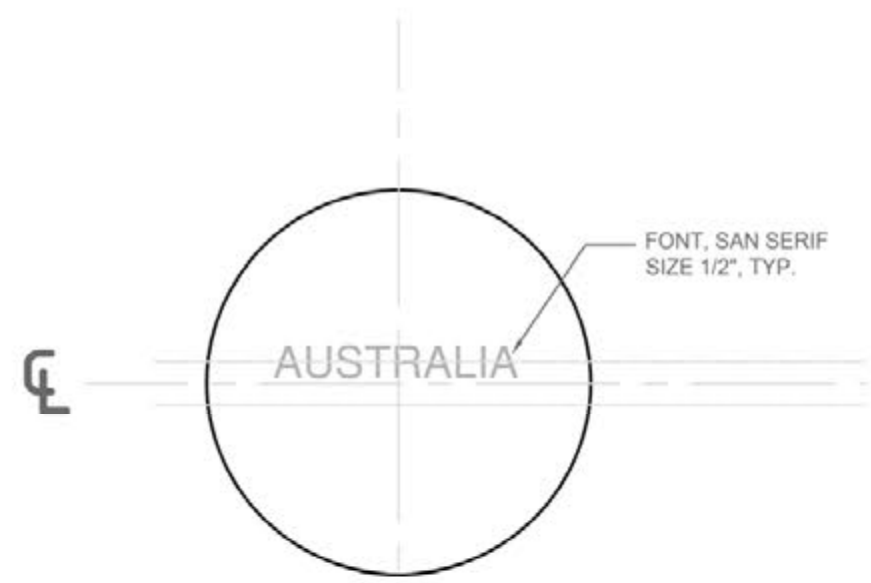
E SHADE STRUCTURE FOOTER DETAIL
SCALE: 1/2" = 1'

S E W N
SS LETTERS, FONT: TAHOMA, HEIGHT 12"

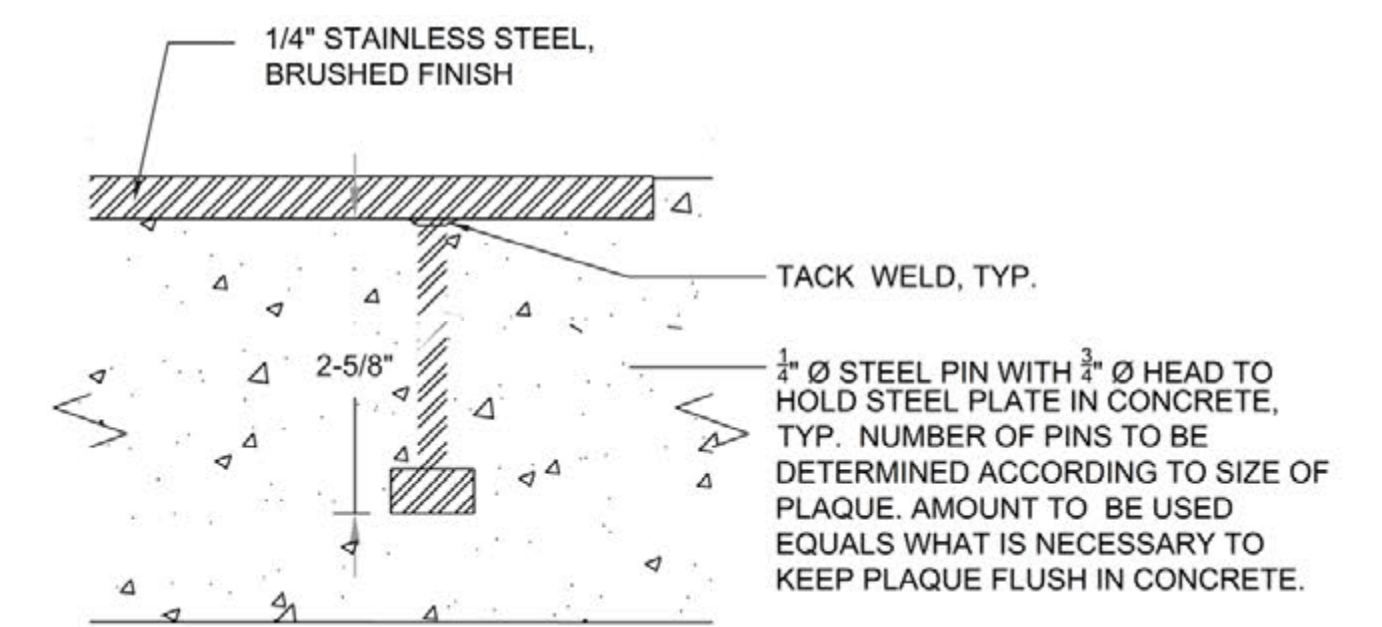
B STAINLESS STEEL PLAZA LETTERS
SCALE: 1" = 1'-0"



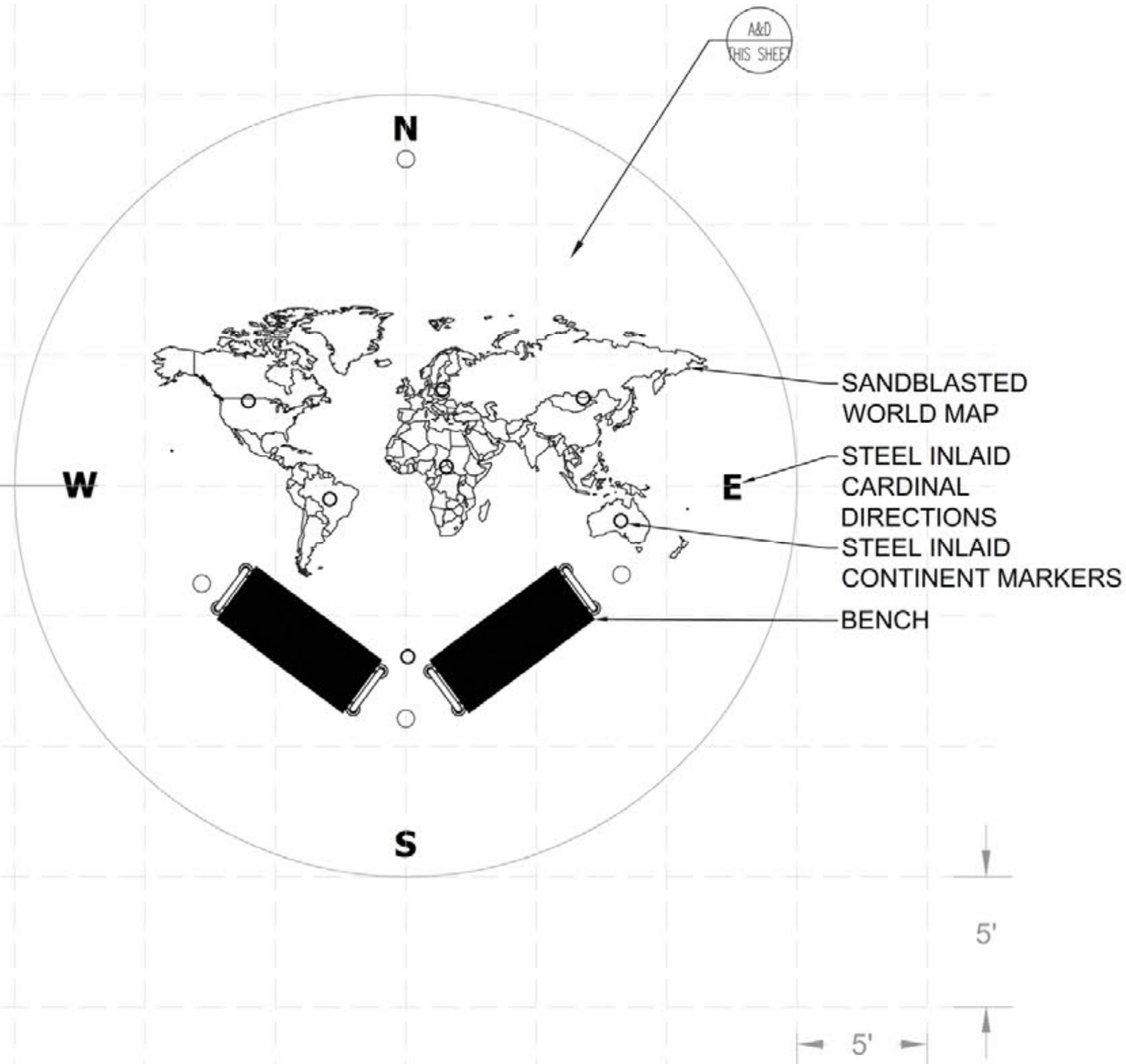
C SHADE STRUCTURE ROOF MATERIAL
SABIC POLYMER SHAPES R-LIGHT SERIES



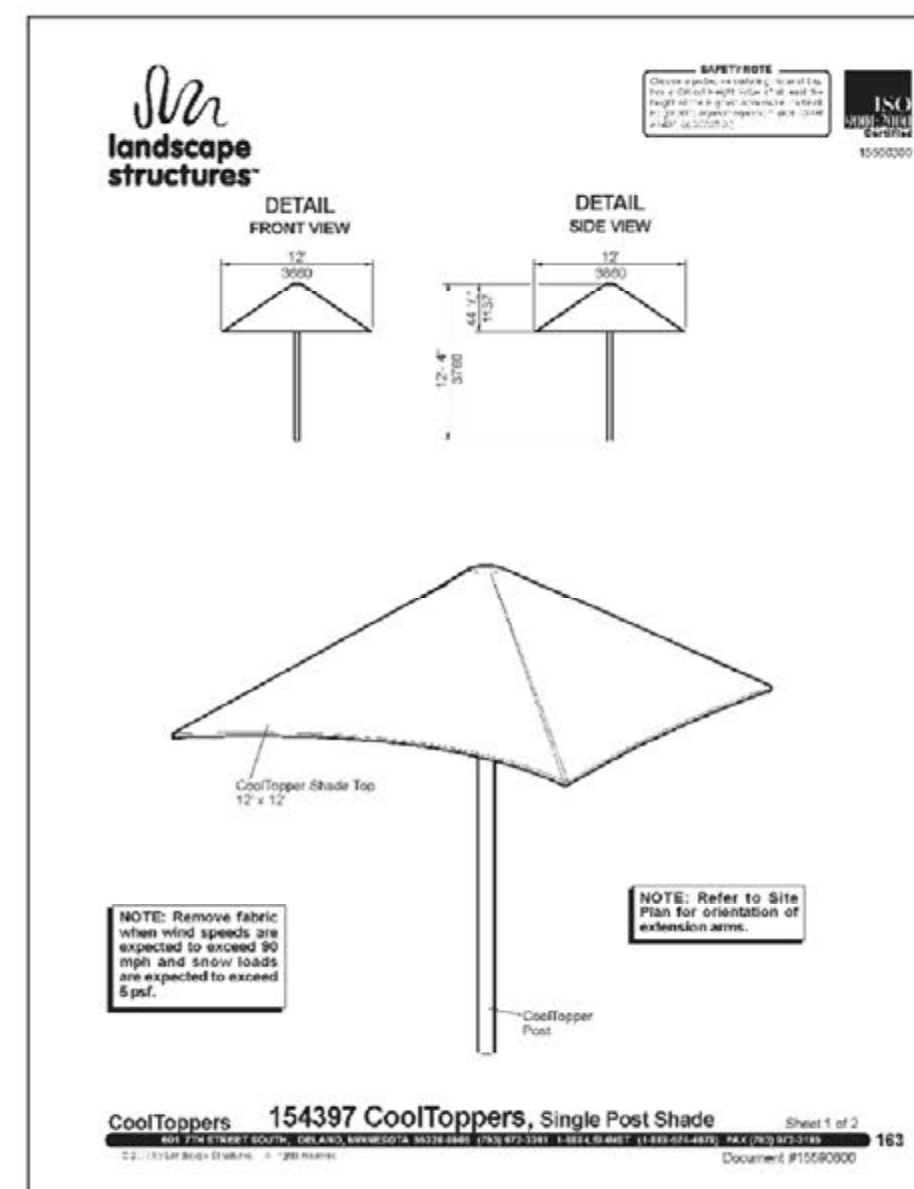
A EXAMPLE STAINLESS STEEL ENGRAVED CITY DISKS - 6" DIAMETER
SCALE: 1" = 4"



D EMBED SECTION - DISKS, PLAQUES, LETTERS & STAR
SCALE: NTS



2 SHADE STRUCTURE PLAZA LAYOUT
SCALE: 1" = 5'-0"



4 ECE COOL TOPPER SHADE STRUCTURE
SCALE: NTS

NOTES:

- SEE LAYOUT PLAN FOR ADDITIONAL DIMENSIONS RELATIVE TO FIXED OBJECTS.
- ALL TEXT AND IMAGERY IS LASER CUTOUT. AUTOCAD FILE AVAILABLE.

CONCRETE WORK NOTES:

- ALL EXPOSED VERTICAL CONCRETE TO HAVE CLASS 1 FINISH.
- ALL CONCRETE TO BE REINFORCED PER DRAWINGS AND WRITTEN SPECIFICATIONS.
- ALL PIT INTERIORS TO RECEIVE 1" RADIUS TOOLED BULLNOSE.
- JOINTS TO BE PLACED PER WRITTEN SPECIFICATIONS AND DRAWINGS.
- ADJACENT COLORED CONCRETE POURS TO BE JOINED USING DOWEL DETAIL 7 SHEET L-9.

NO.	DATE	DESCRIPTION OF REVISION	AUTHORITY	MADE	APPR'D
04.15.09		50% CONSTRUCTION DRAWINGS			

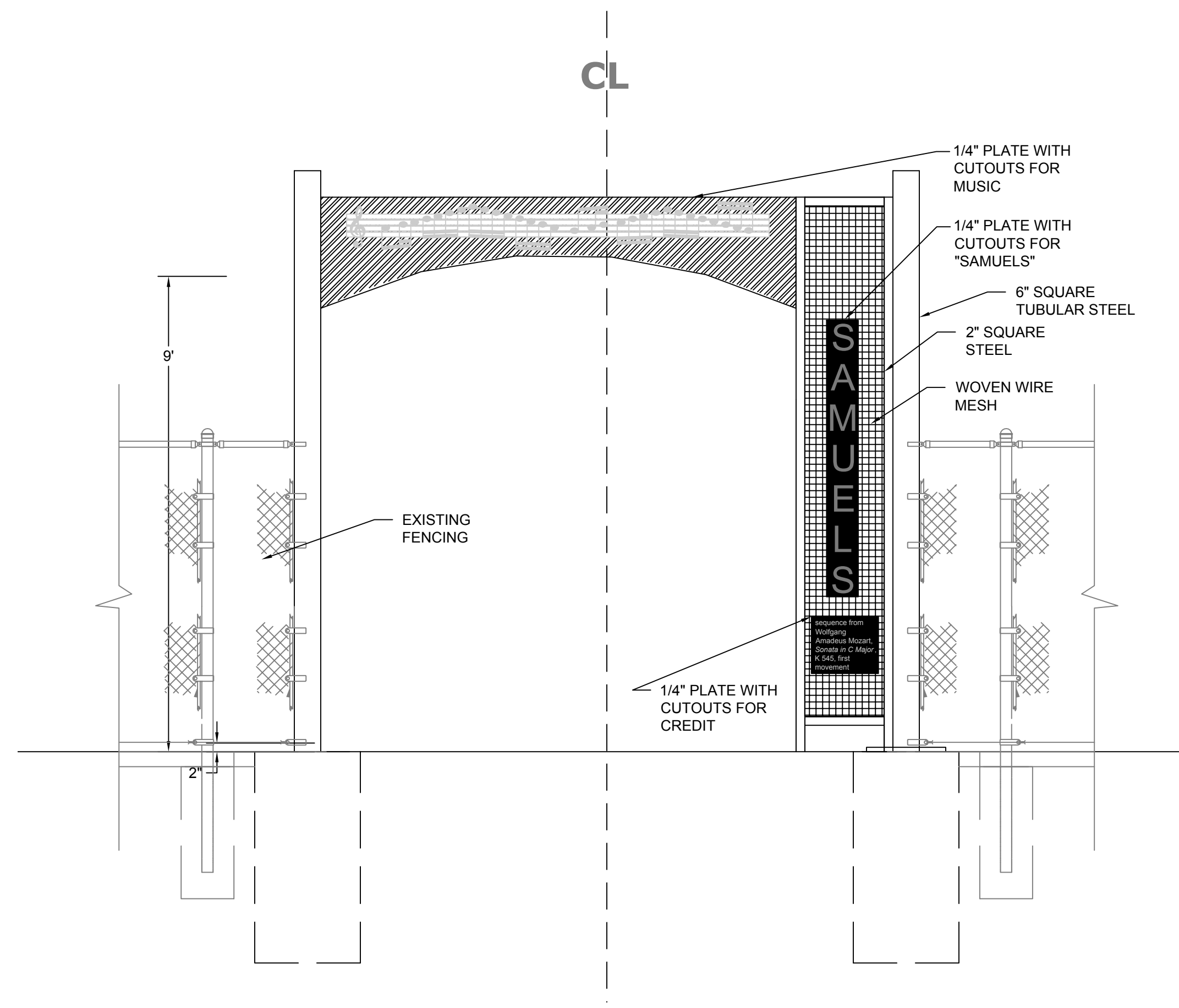
DENVER PUBLIC SCHOOLS
DEPARTMENT OF FACILITIES MANAGEMENT
SCHOOL DISTRICT NO.1 SITE NO. 148 SCHOOL NO. YYY DENVER, COLORADO
SAMUELS ELEMENTARY SCHOOL
LEARNING LANDSCAPE
3985 S Vincennes Ct. Denver, CO 80237



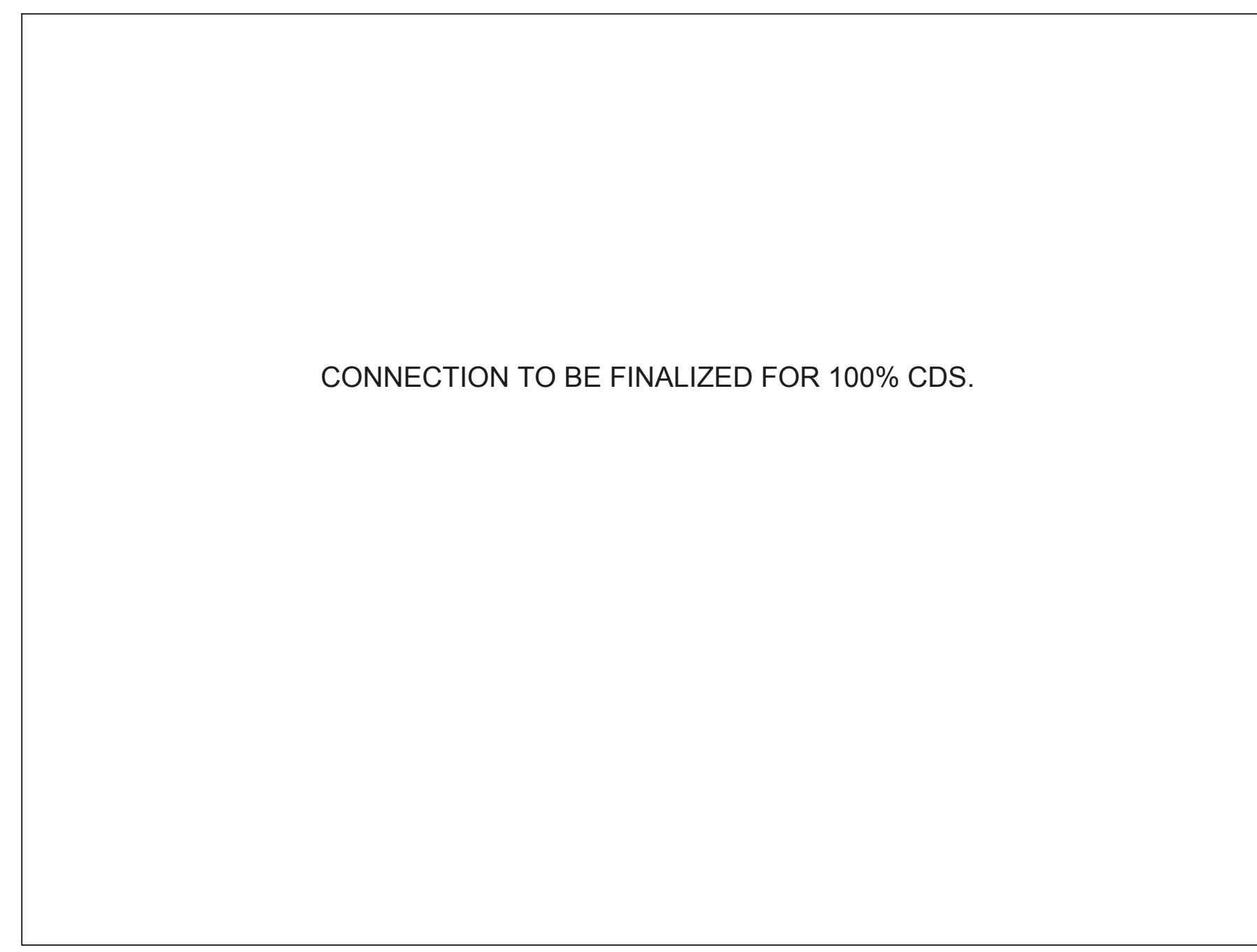
DENVER PUBLIC SCHOOLS
DESIGNED BY EGJ/G
DRAWN BY EG
DEPARTMENT OF FACILITIES MANAGEMENT
CHECKED BY JG
APPROVED CONTRACT DOCUMENT
DATE 15 APRIL 2009
SCALE VARIES

DETAILS E

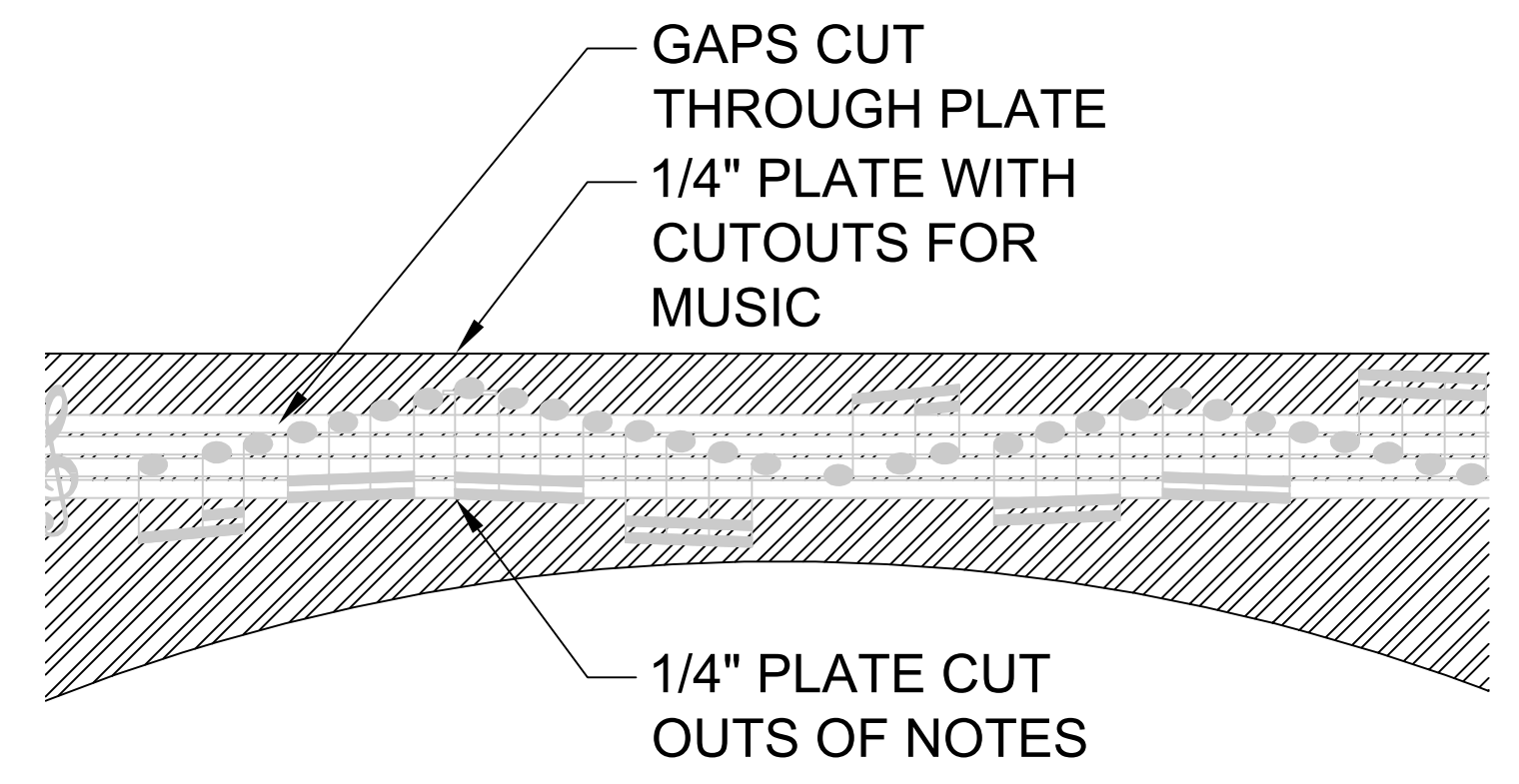
DWG. NO. L2.5 SHEET X/Y



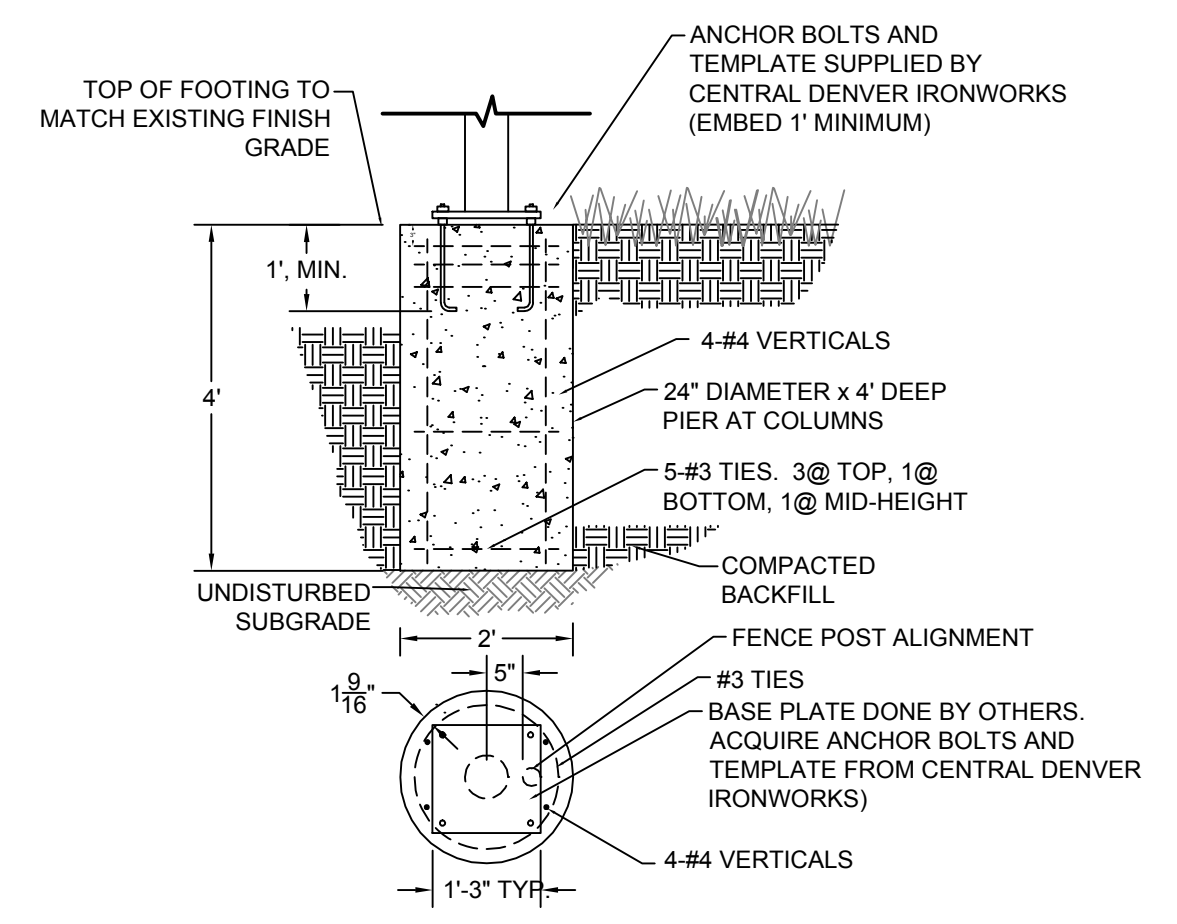
1 SHADE STRUCTURE ELEVATION
SCALE: 1/2" = 1'-0"



C GATEWAY FENCE CONNECTION
NTS



A SONG CUTOUTS DETAIL
SCALE: 1" = 1'



B GATEWAY FOOTING
SCALE: NTS

NOTES

1. ALL STRUCTURES TWO COATS POWDER COAT PAINT AND CLEAR COAT, ANTI-GRAFFITI FINISH.
2. ALL ROUGH EDGES AND WELDS TO BE GROUND SMOOTH.

04.15.09	50% CONSTRUCTION DRAWINGS					
NO.	DATE	DESCRIPTION OF REVISION	AUTHORITY	MADE	APPR'D	
DENVER PUBLIC SCHOOLS DEPARTMENT OF FACILITIES MANAGEMENT SCHOOL DISTRICT NO.1 SITE NO. 148 SCHOOL NO. YYY DENVER, COLORADO SAMUELS ELEMENTARY SCHOOL LEARNING LANDSCAPE 3985 S Vincennes Ct. Denver, CO 80237						
DENVER PUBLIC SCHOOLS DEPARTMENT OF FACILITIES MANAGEMENT		DESIGNED BY EG/JG DRAWN BY EG CHECKED BY JG DATE 15 APRIL 2009 SCALE VARIES	DETAILS F			
APPROVED CONTRACT DOCUMENT						
DATE						
			DWG. NO.	SHEET		
			L2.6	X	Y	

