

KELLY MIDDLE SCHOOL TRACK AND FIELD EUGENE SCHOOL DISTRICT

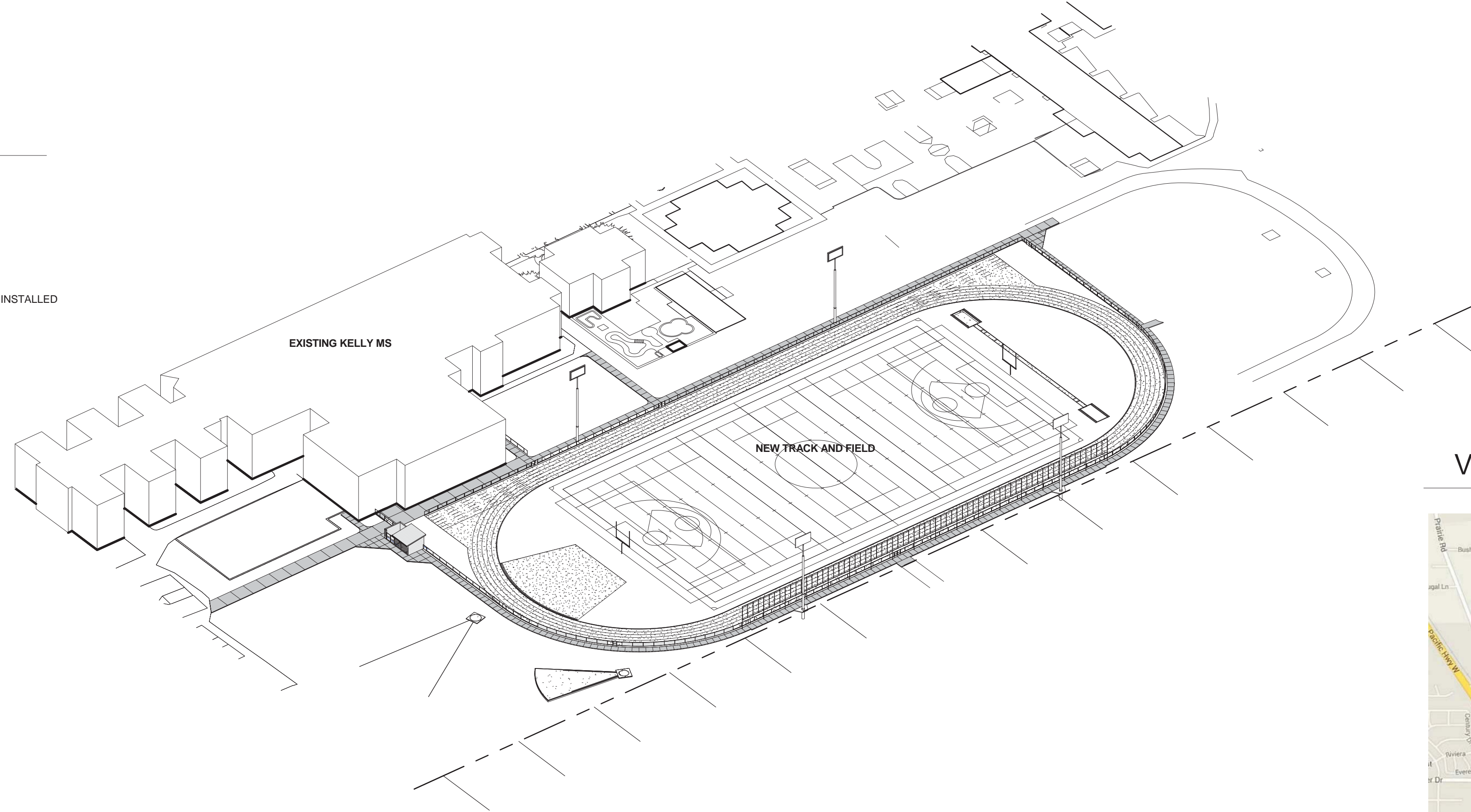
850 HOWARD EUGENE, OREGON 97404



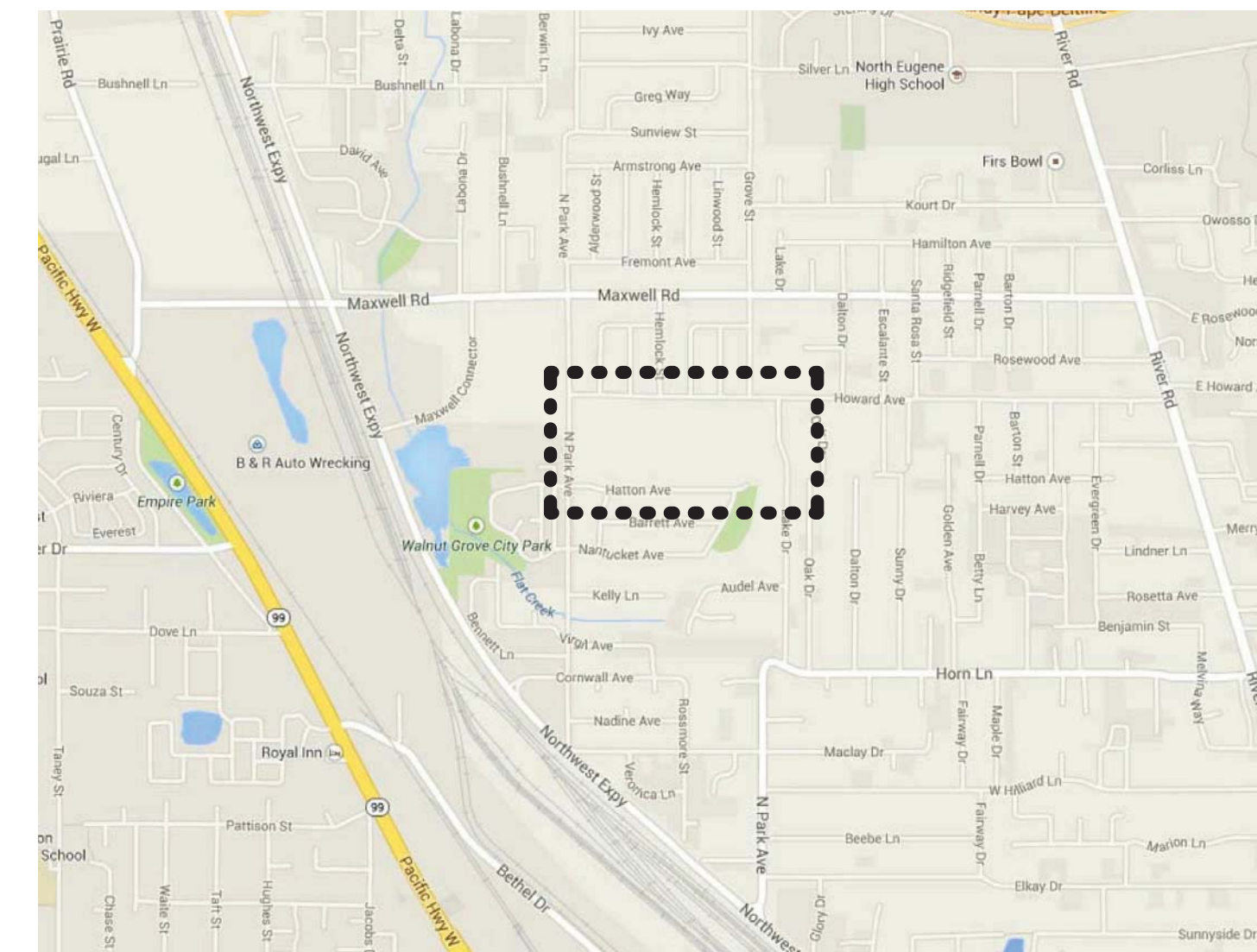
REVIEW SET
5.21.2014

ARCHITECTURAL ABBREVIATIONS

@	ANCHOR BOLT
AB	ASPHALTIC CONCRETE
AC	ACOUSTIC
ACOUS	ACOUSTICAL TILE CEILING SYSTEM
ACT	ABOVE FINISH FLOOR
AFF	ALUMINUM
ALUM	BUILDING
BLDG	BOTTOM OF
BO	CATCH BASIN
CB	CONTRACTOR FURNISHED/CONTRACTOR INSTALLED
CFCI	CONTROL JOINT
CJ	CENTER LINE
CL	CEILING
CLR	CLEAR
CMU	CONCRETE MASONRY UNIT
COL	COLUMN
CONC	CONCRETE
CONT	CONTINUOUS
CPT	CARPET
DBL	DOUBLE
DEMO	DEMOLITION/DEMOLISH
DF	DOUGLAS FIR, DRINKING FOUNTAIN
DIAG	DIAGONAL
DIA	DIAMETER
DISP	DISPENSER
DN	DOWN
DS	DOWNSPOUT
DTL	DETAIL
DWG	DRAWING
(E)	EXISTING
EA	EACH
EJ	EXPANSION JOINT
EL, ELEV	ELEVATION
ELEC	ELECTRICAL
EQ	EQUAL
EW	EACH WAY
EXT	EXTERIOR
FD	FLOOR DRAIN
FE	FIRE EXTINGUISHER
FEC	FIRE EXTINGUISHER CABINET
FF	FINISH FLOOR
FIN	FINISH/FINISHED
FLR	FLOOR
FO	FACE OF
FRP	FIBER REINFORCED PANEL
FTG	FOOTING
GA	GAUGE
GB	GRAB BAR
GLB	GLUE LAM BEAM
GYP BD	GYPSON BOARD
HGT	HEIGHT
HORIZ	HORIZONTAL
HR	HANDRAIL
HM	HOLLOW METAL
INSUL	INSULATION
INT	INTERIOR
JO	JOINT
KD	KNOCK DOWN
LAV	LAVATORY
LOC	LOCATION
MAX	MAXIMUM
MECH	MECHANICAL
MFR	MANUFACTURER
MIN	MINIMUM
MISC	MISCELLANEOUS
MTL	METAL
NTS	NOT TO SCALE
OC	ON CENTER
OD	OUTSIDE DIMENSION
OF	OWNER FURNISHED CONTRACTOR INSTALLED
OFI	OWNER FURNISHED OWNER INSTALLED
OFS	OUTSIDE FACE OF STUD
OH	OPPOSITE HAND
OPNG	OPENING
OPP	OPPOSITE
PLAM	PLASTIC LAMINATE
PS	PAINT SYSTEM
PT	PRESSURE TREATED
PTD	PAINTED
PLY	PLYWOOD
R	RADIUS
RB	RUBBER BASE
RD	ROOF DRAIN
RM	ROOM
RO	ROUGH OPENING
ROW	RIGHT OF WAY
RUB	RUBBER
SD	STORM DRAIN
SECT	SECTION
SHT	SHEET
SIM	SIMILAR
SPECS	SPECIFICATIONS
SQFT, SF	SQUARE FOOT
S STL	STAINLESS STEEL
STD	STANDARD
STL	STEEL
STRUC	STRUCTURAL
T&B	TOP & BOTTOM
T&G	TONGUE AND GROOVE
TEMP	TEMPERED, TEMPORARY
TO	TOP OF
TOC	TOP OF CONCRETE
TOW	TOP OF WALL
TOS	TOP OF STRUCTURE
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE
VFY	VERIFY
WA	WALL ASSEMBLY
W	WITH
WD	WOOD
WP	WATER PROOF



VICINITY MAP



ARCHITECTURAL SYMBOLS

	BUILDING ELEVATION		ROOM NAME & NUMBER
	INTERIOR ELEVATION		WINDOW SYMBOL
	BUILDING SECTION		STOREFRONT SYMBOL
	WALL SECTION		DOOR SYMBOL
	DETAIL CALLOUT		CEILING HEIGHT SYMBOL
	DETAIL SECTION		WALL ASSEMBLIES
			SPECIFICATION KEYNOTE
			KEYNOTE
			VERTICAL ELEVATION

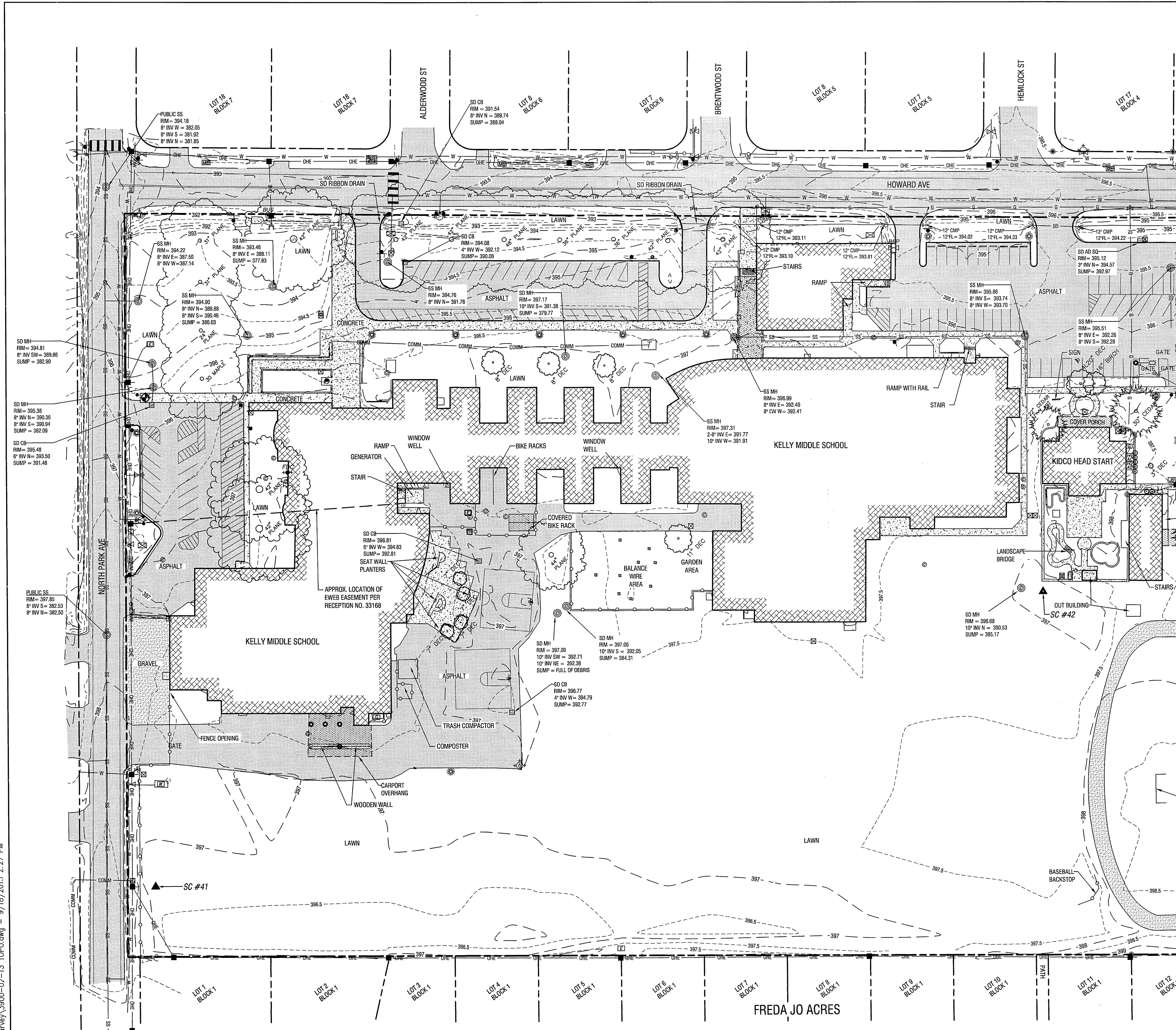
PROJECT TEAM

OWNER	EUGENE SCHOOL DISTRICT 715 W. 4th AVENUE EUGENE, OR 97402 PHONE: (541) 790-7417 FAX: (541) 790-7420 CONTACT: DON PHILPOT
ARCHITECT OF RECORD	PIVOT ARCHITECTURE PC 44 WEST BROADWAY, SUITE 300 EUGENE, OR 97401 PHONE: (541) 342-7291 FAX: (541) 342-1535 CONTACT: CURT WILSON
CIVIL ENGINEER	BALZHISER & HUBBARD ENGINEERS 100 W 13TH AVENUE, #100 EUGENE, OR 97401 PHONE: (541) 686-8478 FAX: (541) 345-5303 CONTACT: MONICA ANDERSON
LANDSCAPE ARCHITECT	CAMERON MCCARTHY LANDSCAPE ARCHITECTS 160 EAST BROADWAY EUGENE, OR 97401 PHONE: (541) 485-7385 FAX: (541) 485-7389 CONTACT: MATT SCHEIBE

INDEX OF DRAWINGS

GENERAL	A000 TITLE SHEET	A062 SITE DETAILS
G021 TOPOGRAPHICAL SURVEY - WEST (FOR REFERENCE ONLY)	G022 TOPOGRAPHICAL SURVEY - EAST (FOR REFERENCE ONLY)	A071 MISC. DETAILS
LANDSCAPE	D200 IRRIGATION DEMO PLAN	A072 MISC. DETAILS
L100 IRRIGATION PLAN	L200 IRRIGATION DETAILS	A081 RESOURCE BUILDING
		A082 RESOURCE BUILDING
CIVIL	C101 EROSION AND SEDIMENT CONTROL PLAN	ELECTRICAL
C102 EROSION AND SEDIMENT CONTROL NOTES	C103 EROSION AND SEDIMENT CONTROL DETAILS	E101 FIELD LIGHTING PLAN
C121 HORIZONTAL CONTROL PLAN	C122 HORIZONTAL CONTROL TABLES	E102 ELEC ROOM PLAN, SCHEDULE
C131 GRADING PLAN	C141 STORM DRAIN PLAN	
C151 PAVING PLAN	C201 CIVIL DETAILS, GENERAL NOTES AND LEGENDS	
C202 CIVIL DETAILS, GENERAL NOTES AND LEGENDS		
DEMOLITION	D100 EXISTING SITE DEMOLITION PLAN	
ARCHITECTURE	A050 OVERALL SITE PLAN	
A051 PARTIAL SITE PLAN	A052 FIELD DIAGRAMS	
A061 SITE DETAILS		

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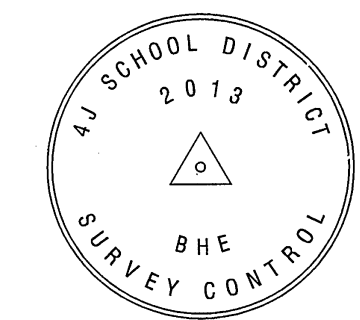


TOPOGRAPHIC SURVEY
FOR
4J SCHOOL DISTRICT
 LYING IN
SW 1/4 OF SEC. 14
TOWNSHIP 17S, RANGE 4W, W.M.
CITY OF EUGENE
LANE COUNTY, OREGON
SEPT 2013

SITE CONTROL (SC)

Point #	Northing	Easting	Elevation	Description
41	122946.33	170005.57	396.77	SET BRASS CAP
42	122889.35	170754.67	396.19	SET BRASS CAP
43	122818.47	171604.16	395.63	SET BRASS CAP

NOTE: NOT ALL CONTROL POINTS SHOWN ON THIS SHEET



- NOTES:**
- THE BENCHMARK USED FOR THIS SURVEY WAS CITY OF EUGENE BENCHMARK R08099 WITH A PUBLISHED ELEVATION OF 395.68' (NAVD 88 DATUM).
 - THIS SURVEY IS BASED UPON THE OREGON COORDINATE REFERENCE SYSTEM, EUGENE ZONE. ALL DISTANCES ARE GROUND DISTANCES AND ARE EXPRESSED IN INTERNATIONAL FEET. SEE SURVEY METADATA FOR MORE INFORMATION.
 - THE EXTERNAL BOUNDARY WAS HELD AS SHOWN ON LANE COUNTY SURVEY NO. 31670.
 - UNDERGROUND UTILITIES SHOWN HEREON ARE BASED UPON ABOVE GROUND VISIBLE EVIDENCE ALONG WITH LOCATE MARKS AND RECORD INFORMATION. RECORD INFORMATION IS NOTED AS SUCH ON THE DRAWING. THE ACCURACY OF UNDERGROUND LOCATES AND RECORD INFORMATION MAY VARY. CRITICAL UTILITY LOCATIONS SHOULD BE EXPOSED AND LOCATED FOR HIGHEST ACCURACY.
 - THE SUBJECT PROPERTY IS SUBJECT TO THE FOLLOWING DEED MATTERS LISTED IN A TITLE REPORT FROM FIRST AMERICAN TITLE COMPANY OF OREGON, WITH A DATE OF AUGUST 2, 2013, ORDER NO. 7199-2132015:
 - A. EASEMENT INCLUDING THE TERMS AND PROVISIONS THEREOF, IN FAVOR OF THE CITY OF EUGENE, AS RECORDED ON JULY 26, 1968, AS RECEPTION NO. 33168. THIS EASEMENT IS SHOWN HEREON.

SITE INFO

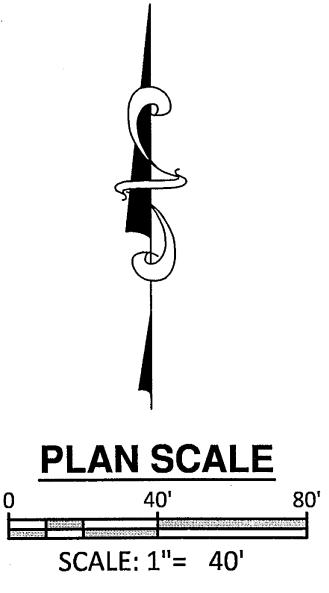
OWNER: SCHOOL DISTRICT 4J, LANE COUNTY, OREGON, A MUNICIPAL CORPORATION
 MAP: 17-04-14-34
 TAX LOT: 100
 DEED: LANE COUNTY DEED BOOK 291, PAGE 366
 ADDRESS: KELLY MIDDLE SCHOOL, 850 HOWARD AVE, EUGENE OR 97404
 HOWARD ELEMENTARY SCHOOL, 700 HOWARD AVE, EUGENE OR 97404

SURVEY METADATA

LINEAR UNIT: INTERNATIONAL FOOT
 GEODETIC DATUM: NORTH AMERICAN DATUM OF 1983 (2011) EPOCH2010
 SYSTEM: OREGON COORDINATE REFERENCE SYSTEM
 ZONE: EUGENE
 PROJECTION: TRANSVERSE MERCATOR

LATITUDE OF GRID ORIGIN: 43°45'00" N
 CENTRAL MERIDIAN: 123°10'00" W
 FALSE NORTHING: 0.000 m
 FALSE EASTING: 500000.000 m
 CENTRAL MERIDIAN SCALE: 1.0000015 (EXACT)

ALL DISTANCES AND BEARINGS SHOWN HEREON ARE GRID VALUES BASED ON THE PRECEDING PROJECTION DEFINITION.
 THE BASIS OF BEARINGS IS GEODETIC NORTH. NOTE THAT THE GRID BEARINGS SHOWN HEREON (OR IMPLIED BY GRID COORDINATES) DO NOT EQUAL GEODETIC BEARINGS DUE TO MERIDIAN CONVERGENCE.



BALZHISER & HUBBARD ENGINEERS
 MECHANICAL
 ELECTRICAL
 CIVIL
 SURVEYORS
 100 WEST 13TH AVENUE
 EUGENE, OR 97401
 P: 541-686-8478
 F: 541-343-5303

REGISTERED PROFESSIONAL LAND SURVEYOR
 JAMES S. MONTOYA
 OREGON
 JANUARY 9, 2007
 75308
 EXPIRES DECEMBER 31, 2014

PROJECT TITLE
**EUGENE SCHOOL DISTRICT 4J
 HOWARD MIDDLE & KELLEY ELEMENTARY SCHOOL CAMPUS
 700 & 850 HOWARD AVE, EUGENE, OR**

SHEET TITLE
TOPOGRAPHY SURVEY

DATE ISSUED: 09/10/2013
 LAST REVISION: 09/18/2013

DRAFTING: JSM / ASD
 FIELD: APD / HDM

PROJECT: 3900-002-13

FILENAME: 3900-02-13 TOPO.dwg

SHEET No. SHEET 1 OF 2

PRELIMINARY NOT FOR CONSTRUCTION



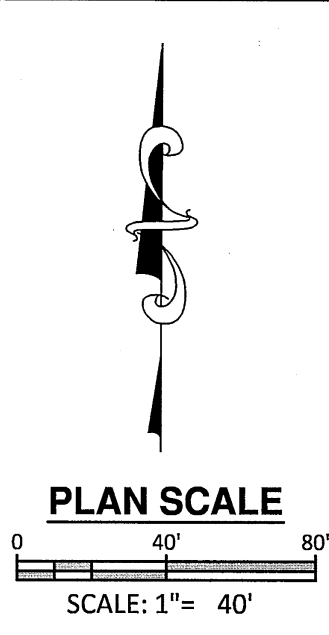
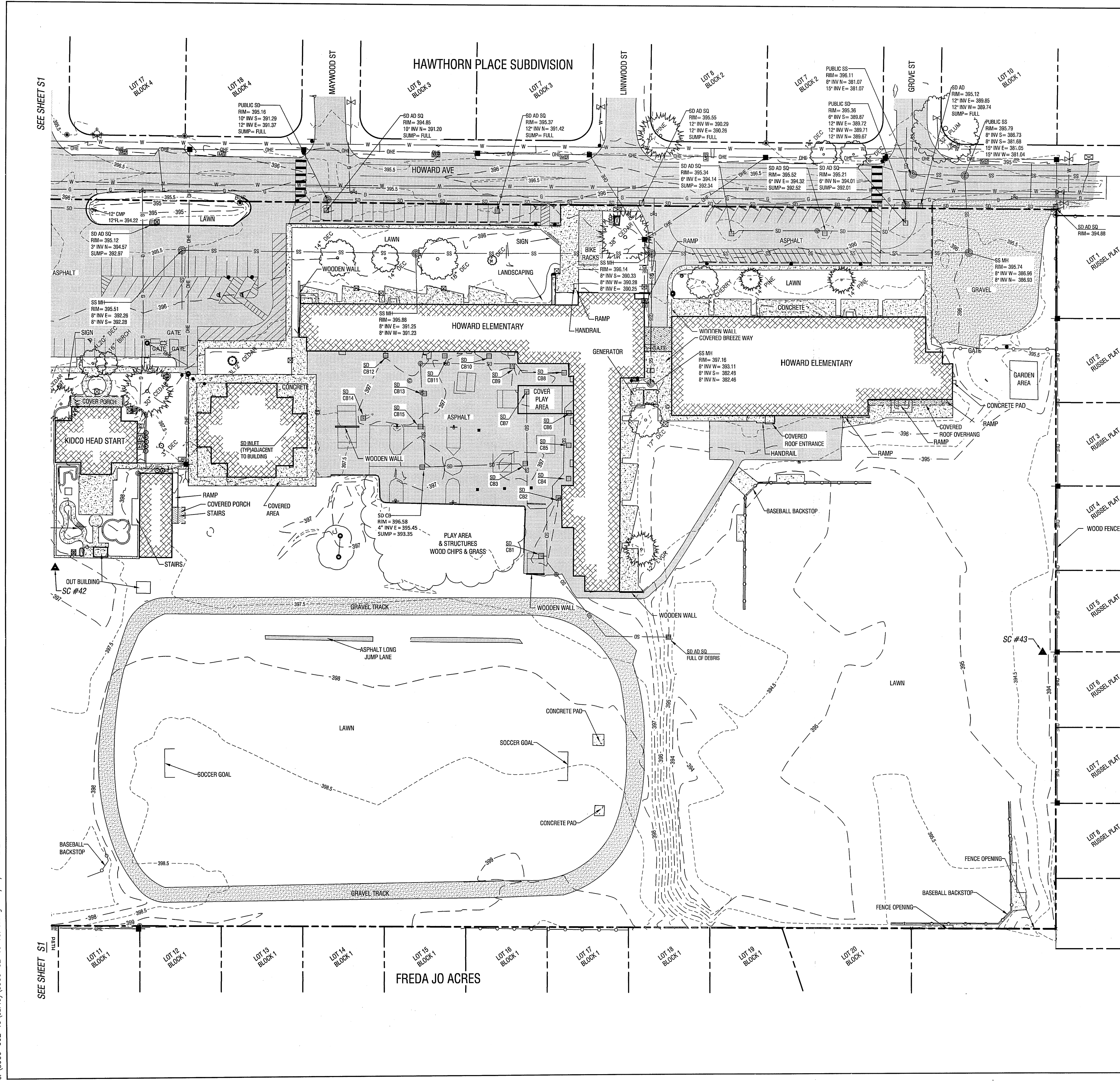
EUGENE SCHOOL DISTRICT
 850 HOWARD EUGENE, OREGON 97404
4J
 KELLY MIDDLE SCHOOL TRACK AND FIELD

TOPOGRAPHICAL SURVEY - WEST
 (FOR REFERENCE ONLY)

PROJECT NO:	1415.00	REVISIONS:
ISSUE DATE:	5.21.2014	
DRAWN:		
CHECKED:		

G021

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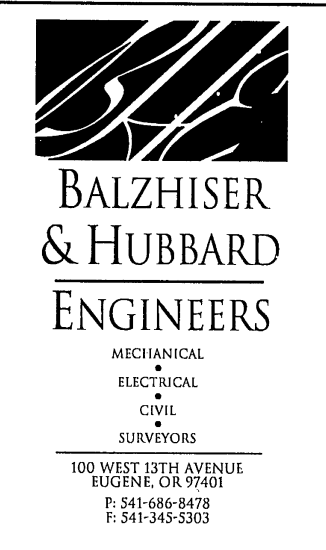


SYMBOL LEGEND

- WATER VALVE
 - WATER METER
 - IRRIGATION VALVE
 - WATER VAULT
 - BACK FLOW PREVENTER
 - FIRE HYDRANT
 - FIRE DEPARTMENT CONNECTION
 - AREA DRAIN (SQUARE)
 - STORMDRAIN MANHOLE
 - UTILITY POLE
 - GUY ANCHOR
 - LIGHT POLE
 - LIGHT POLE WITH ARM
 - ELECTRIC METER
 - ELECTRIC RISER
 - ELECTRIC TRANSFORMER
 - ELECTRIC VAULT
 - TELEPHONE RISER
 - TELEPHONE VAULT
 - HEAT PUMP
 - JUNCTION BOX
 - ARBORVITAE
 - METAL BASKETBALL HOOP POLE
 - SIGN
 - BOLLARD
 - WOOD POST
 - FLAG POLE
 - POLE
 - MAIL BOX
 - ADA PARKING
 - CONIFEROUS TREE
 - BROADLEAF TREE
 - COMMUNICATIONS
 - CORRUGATED METAL PIPE
 - ELECTRIC
 - SANITARY SEWER
 - SQUARE AREA DRAIN
 - STORMWATER
 - GAS METER
 - GAS VALVE
 - SEWER MANHOLE
 - CLEANOUT
 - METAL POST
- SET PERMANENT SITE CONTROL (SC)
REFER TO DETAIL AND BENCHMARK TABLE
FOUND CITY BENCHMARK (BM)
PROPERTY LINE
DENOTES BUILDING OVERHEAD
EASEMENT LINE
1.0' CONTOUR INTERVAL
0.5' CONTOUR INTERVAL
HATCH DENOTES BUILDING
HATCH DENOTES BUILDING OVERHANG
HATCH DENOTES ASPHALT PAVEMENT
HATCH DENOTES CONCRETE
HATCH DENOTES GRAVEL
PAVEMENT PAINT STRIPE
CHAIN LINK FENCE
UNDERGROUND WATER LINE
UNDERGROUND STORMDRAIN LINE
UNDERGROUND SANITARY SEWER LINE
UNDERGROUND GAS LINE
UNDERGROUND COMM LINE
OVERHEAD COMBINED UTILITY LINE

STORM DRAIN STRUCTURE TABLE

SD CB 1 RIM = 396.78 6" INV E = 394.93 SUMP = 393.58	SD CB 6 RIM = 397.04 4" INV S = 396.29 SUMP = 395.99	SD CB 11 RIM = 396.92 4" INV S = 396.17 SUMP = 395.87
SD CB 2 RIM = 397.00 4" INV W = 396.25 SUMP = 395.95	SD CB 7 RIM = 396.66 4" INV S = 395.41 SUMP = 3.46	SD CB 12 RIM = 397.03 4" INV S = 396.28 SUMP = 395.98
SD CB 3 RIM = 396.57 4" INV S = 395.32 SUMP = 393.37	SD CB 8 RIM = 397.11 4" INV N = 396.36 SUMP = 396.06	SD CB 13 RIM = 396.69 4" INV W = 395.44 SUMP = 393.49
SD CB 4 RIM = 397.08 4" INV W = 396.33 SUMP = 396.03	SD CB 9 RIM = 396.98 4" INV W = 396.23 SUMP = 395.48	SD CB 14 RIM = 396.46 4" INV S = 395.21 SUMP = 393.26
SD CB 5 RIM = 397.17 4" INV W = 396.42 SUMP = 396.12	SD CB 10 RIM = 396.88 4" INV E = 396.13 SUMP = 395.83	SD CB 15 RIM = 397.13 4" INV S = 395.42 4" INV N = 395.41 SUMP = 393.93



PROJECT TITLE
**EUGENE SCHOOL DISTRICT 4J
HOWARD MIDDLE & KELLEY ELEMENTARY SCHOOL CAMPUS
700 & 850 HOWARD AVE, EUGENE, OR**

SHEET TITLE
TOPOGRAPHY SURVEY

DATE ISSUED: 09/10/2013
LAST REVISION: 09/18/2013

DRAFTING JSM / ASD
FIELD APD / HDM

PROJECT 3900-002-13

FILENAME 3900-02-13 TOPO.dwg

SHEET No. S
SHEET 2 OF 2

PRELIMINARY
NOT FOR CONSTRUCTION

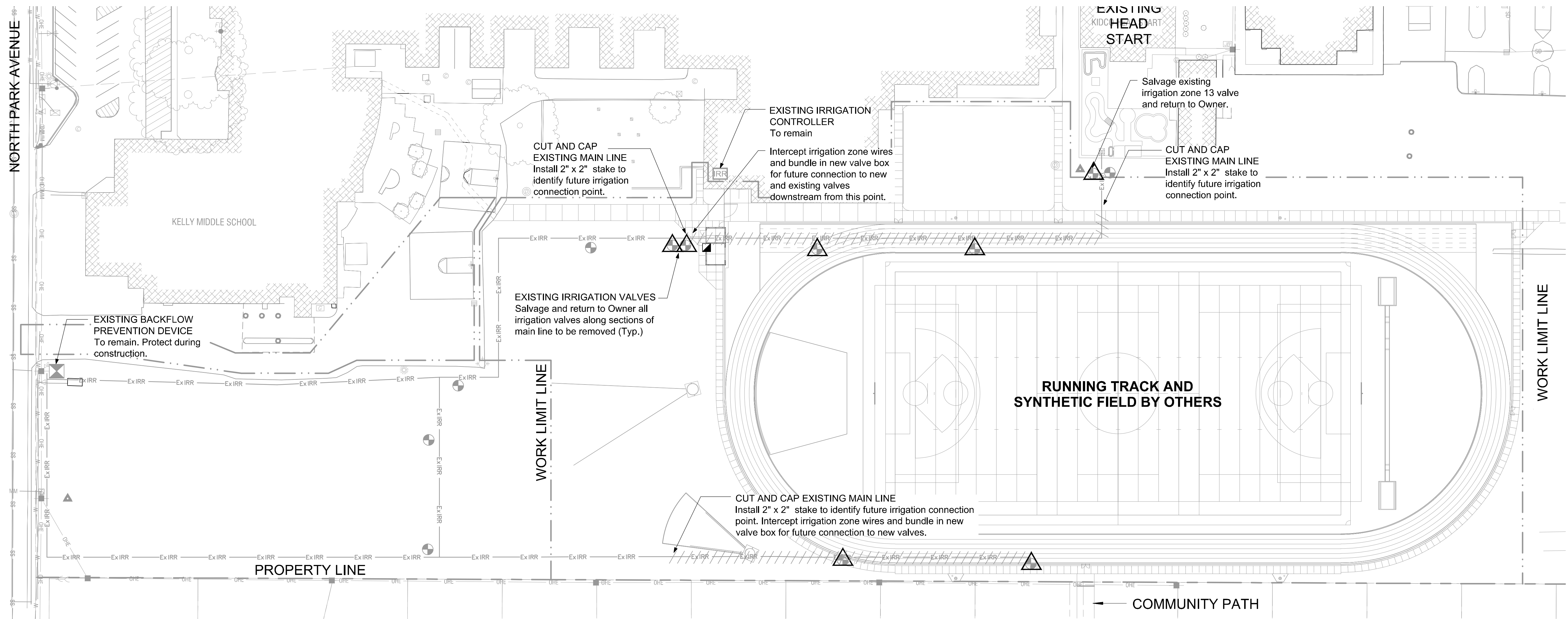


EUGENE SCHOOL DISTRICT
850 HOWARD EUGENE, OREGON 97404
4J
KELLY MIDDLE SCHOOL TRACK AND FIELD

TOPOGRAPHICAL SURVEY - EAST
(FOR REFERENCE ONLY)

PROJECT NO: 1415.00
ISSUE DATE: 5.21.2014
DRAWN:
CHECKED:

SCALE OF 11 x 17 SHEETS IS HALF OF SCALE INDICATED



LEGEND

- EXISTING IRRIGATION MAIN LINE
To remain. Protect during construction.
- EXISTING IRRIGATION MAIN LINE
To be removed.
- EXISTING CONTROL ZONE VALVE
To remain. Protect during construction.
- EXISTING CONTROL ZONE VALVE
Salvage and return to Owner.
- EXISTING BACKFLOW PREVENTION DEVICE
To remain. Protect during construction.
- EXISTING IRRIGATION CONTROLLER
To remain.

NOTES

1. All survey information provided by:
Balzhiser & Hubbard
100 W 13th Avenue
Eugene, OR 97401
P: 541.686.8478
F: 541.345.5303
Dated: 09.13.2013
2. Extents of existing irrigation system are to be field verified. Prior to any construction, meet with Owner's Representative to observe and verify existing irrigation, locate and verify size of existing irrigation main line, valve and irrigation heads. Notify Owner's Representative in writing if any systems are not operating properly. Contractor is responsible for reconnecting all existing systems, adjust lateral lines and heads locations to provide a uniform coverage over new/remodeled areas while minimizing overspray. Coordinate all repair work with Owner.
3. Verify exact locations and routing of existing and proposed underground utilities prior to starting any excavation. Any damage to existing pipes, underground utilities or related facilities to be repaired at contractor's expense in a manner approved by Landscape Architect.
4. Barricade and protect trunks, limbs, roots and root zones beyond dripline of existing trees and plant materials to remain as directed by Landscape Architect. Cut no limbs or roots larger than 1-1/2" in diameter without approval of Landscape Architect. Sharp pruning equipment such as saws and loppers must be used for roots greater than 1" diameter. Notify Landscape Architect prior to performing any excavation within protection areas.
5. Prior to construction remove and salvage all existing heads and control valves within shown on the salvage schedule to be removed and return to Owner.
6. Existing irrigation zones, and mainlines is based on Anderson's Erosion Control Inc. diagrams and approximate. Coordinate irrigation removal and repair with Owner's representative.
7. Existing landscapes and trees with existing irrigation prior to construction are not to be without water for longer than 10 days. Coordinate anticipated disruption of existing irrigation with Owner to allow for additional watering in advance of irrigation shutdown.
8. Repair landscape impacted by irrigation work. Return landscape back to existing conditions: reseed lawn/grassy areas at no cost to Owner.

1 IRRIGATION DEMO PLAN
1" = 40'-0"

0 20' 40' 80'

PIVOT
ARCHITECTURE

REGISTERED #372
Matthew K. Scheibe
MATTHEW K. SCHEIBE
OREGON 5/9/97
LANDSCAPE ARCHITECT

EUGENE SCHOOL DISTRICT
850 HOWARD EUGENE, OREGON 97404

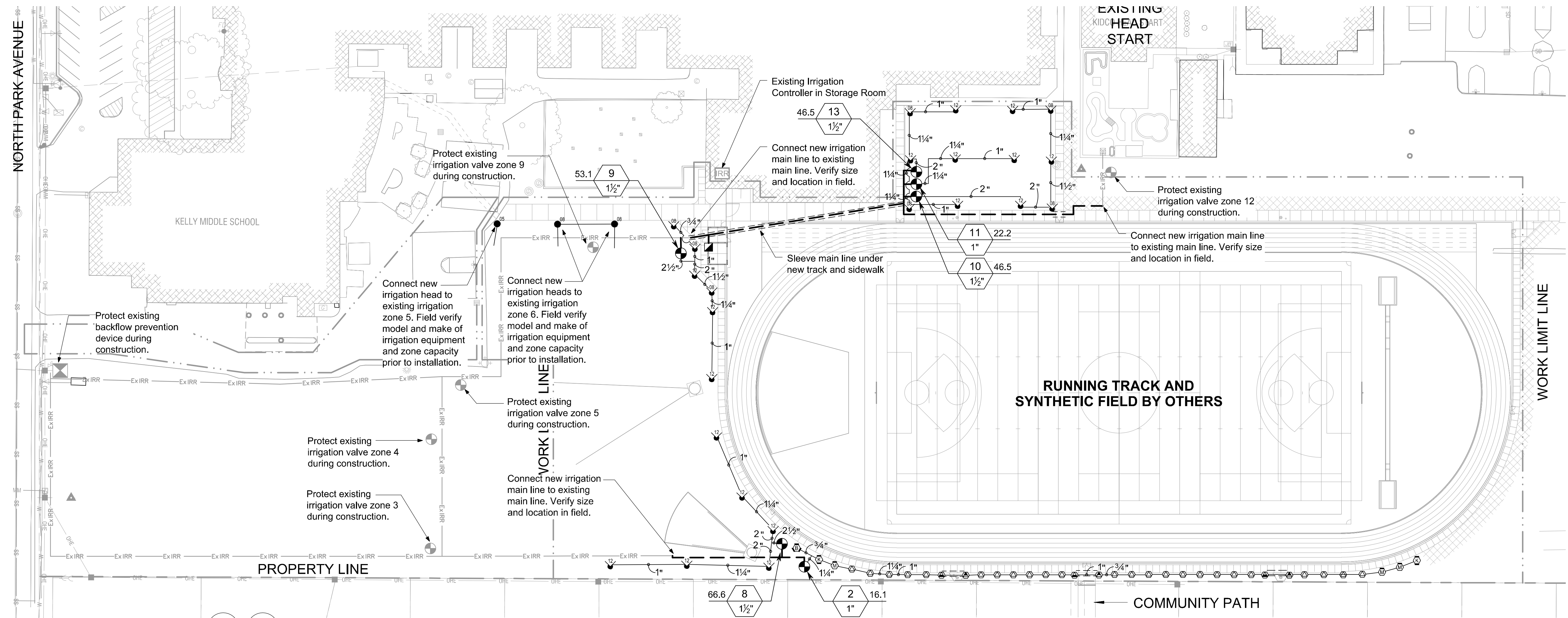
4J

KELLY MIDDLE SCHOOL TRACK

IRRIGATION DEMO PLAN

PROJECT NO:	1415.00	REVISIONS:	
ISSUE DATE:	5.09.2014	DRAWN:	MW
CHECKED:		CHECKED:	MS

D200



HEAD SCHEDULE

SYMBOL	MANUFACTURER/MODEL	PSI		
	Hunter MP1000 PROS-06-CV	40		
	Hunter MP2000 PROS-06-CV	40		
	Hunter MP3000 PROS-06-CV	40		
	Hunter MP Strip PROS-06-CV	40		
SYMBOL	MANUFACTURER/MODEL	PSI	GPM	RADIUS
	Rain Bird 5505-SS	60	4.80	47'
	Rain Bird 5505-SS	60	8.20	51'
	Rain Bird 8005-SS	50	6.60	49'
	Rain Bird 8005-SS	50	11.1	57'

VALVE SCHEDULE

NUMBER	DESCRIPTION	SIZE	TYPE	PSI	GPM	PRECIP
2	Lawn	1"	Turf Rotary	40	16.11	0.35 in/hr
8	Lawn	1-1/2"	Turf Rotor	50	66.60	0.72 in/h
9	Lawn	1-1/2"	Turf Rotor	50	53.10	1.20 in/h
10	Lawn	1-1/2"	Turf Rotor	50	46.50	1.08 in/h
11	Lawn	1"	Turf Rotor	50	22.20	0.64 in/h
13	Lawn	1-1/2"	Turf Rotor	50	46.50	1.05 in/h

NOTES

- All survey information provided by: Balzhiser & Hubbard, 100 W 13th Avenue, Eugene, OR 97401. P: 541.686.8478, F: 541.345.5303. Dated: 09.13.2013.
- Extents of existing irrigation system are to be field verified. Prior to any construction, meet with Owner's Representative to observe and verify existing irrigation, locate and verify size of existing irrigation main line, valve and irrigation heads. Notify Owner's Representative in writing if any systems are not operating properly.
- At areas of irrigation repair Contractor is responsible for reconnecting all existing systems, adjust lateral lines and head locations to provide a uniform coverage over new/remodeled areas while minimizing overspray. Coordinate all repair work with Owner's Representative.
- Verify exact locations and routing of existing and proposed underground utilities prior to starting any excavation. Any damage to existing pipes, underground utilities or related facilities to be repaired at Contractor's expense in a manner approved by Owner's Representative.
- Barricade and protect trunks, limbs, roots and root zones beyond dripline of existing trees and plant materials to remain as directed by Owner's Representative. Cut no limbs or roots larger than 2" in diameter without approval of Owner's Representative.
- Irrigation layout is schematic. It is intended that all irrigation lines will be routed through lawns and plant beds except where noted on drawing. Adjust routing of irrigation, heads, and sleeves as necessary for any existing or proposed utilities.
- Any irrigation zone valves diagrammatically located in pavement are to be installed in adjacent plant bed or lawn.
- Verify minimum static pressure of 70 psi at point of connection. Notify Owner's Representative prior to any construction if pressure is lower than 65 psi.
- Provide all necessary wiring required to make the irrigation system a fully serviceable and operational controlled system integrated with the existing system at the completion of the project.
- Locate irrigation mainline, lateral lines, and valve boxes to avoid conflict with utilities.
- Install irrigation control, common, and communication wire in underground conduit where routing does not follow new or existing mainline.
- Install manual drain valves at all low points in mainline. Provide adequate number of drain valves to fully drain system for winterization. Show locations on as-built drawings.
- Existing landscapes and trees with existing irrigation prior to construction are not to be without water for longer than 10 days. Coordinate anticipated disruption of existing irrigation with Owner to allow for additional watering in advance of irrigation shutdown.
- Repair landscape impacted by irrigation work. Return landscape back to existing conditions: reseed lawn/grassy areas at no cost to Owner.
- Extends of existing irrigation system unknown. Prior to any construction, meet with Owner's Representative to observe and verify existing irrigation, locate and verify size of existing irrigation main line, valve and irrigation heads. Notify Owner's Representative in writing if any systems are not operating properly.
- At Irrigation Repair Areas Contractor is responsible for reconnecting all existing systems, adjust lateral lines and head locations to provide a uniform coverage over new/remodeled areas while minimizing overspray. Coordinate all repair work with Owner's Representative.

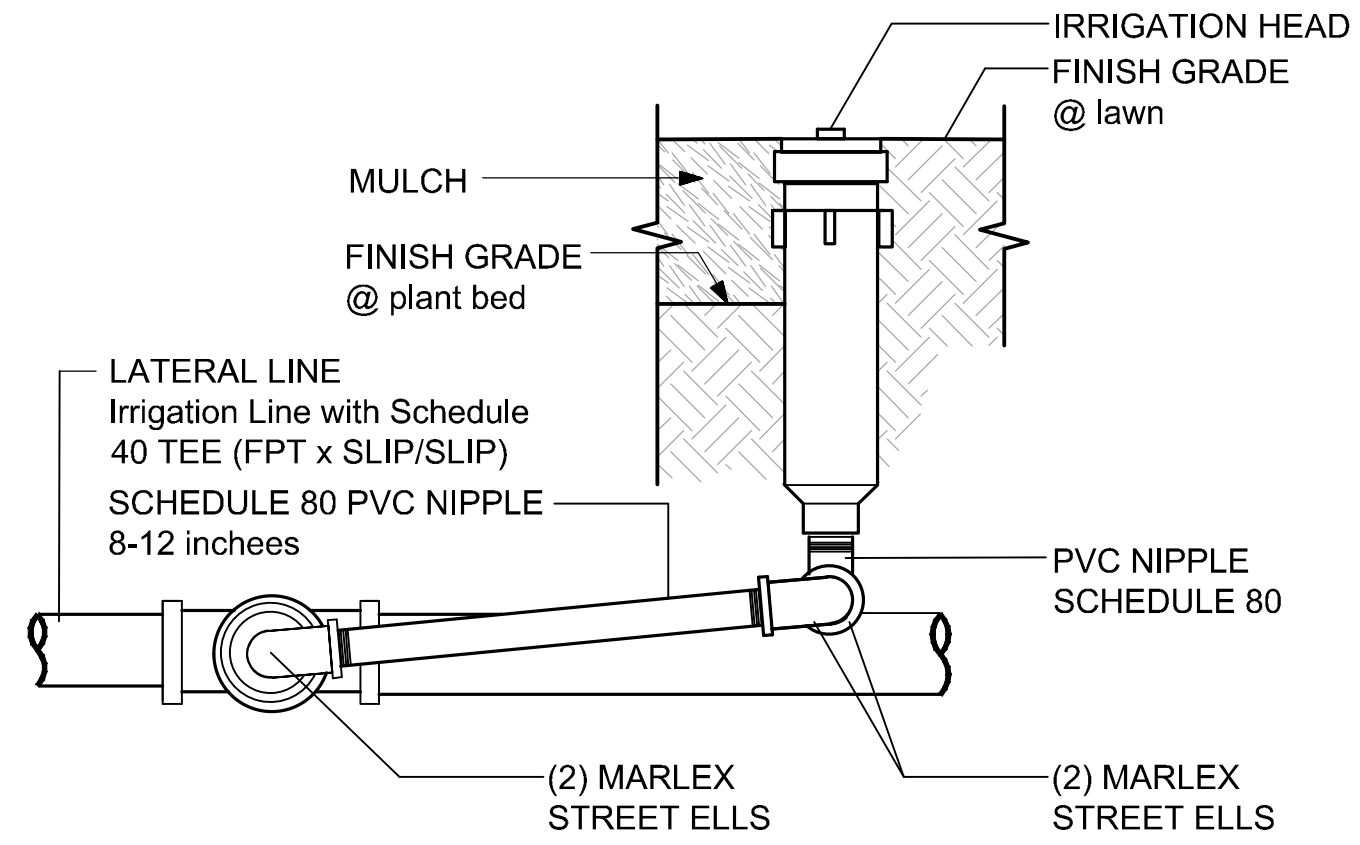
PIPE SIZE SCHEDULE

SCHEDULE 40 PIPE	
GPM	SIZE
0-8	3/4"
8-12	1"
12-22	1 1/4"
22-30	1 1/2"
30-50	2"
50-70	2 1/2"
70-110	3"

LEGEND

- CONTROL ZONE VALVE (2 L200)
- QUICK COUPLING ASSEMBLY (6 3)
- EXISTING BACKFLOW PREVENTION DEVICE
Field verify location and size.
- EXISTING IRRIGATION CONTROLLER
- EXISTING IRRIGATION MAIN LINE
To remain. Protect during construction.
- IRRIGATION LATERAL LINE
- IRRIGATION MAINLINE
Field verify location and size.
- PIPE SLEEVE
Install (1) 6" sleeve at each location shown. (1 L200)
- VALVE CALLOUT
- IRRIGATION REPAIR AREA
See Notes 13 and 14.

SCALE OF 11 x 17 SHEETS IS HALF OF SCALE INDICATED

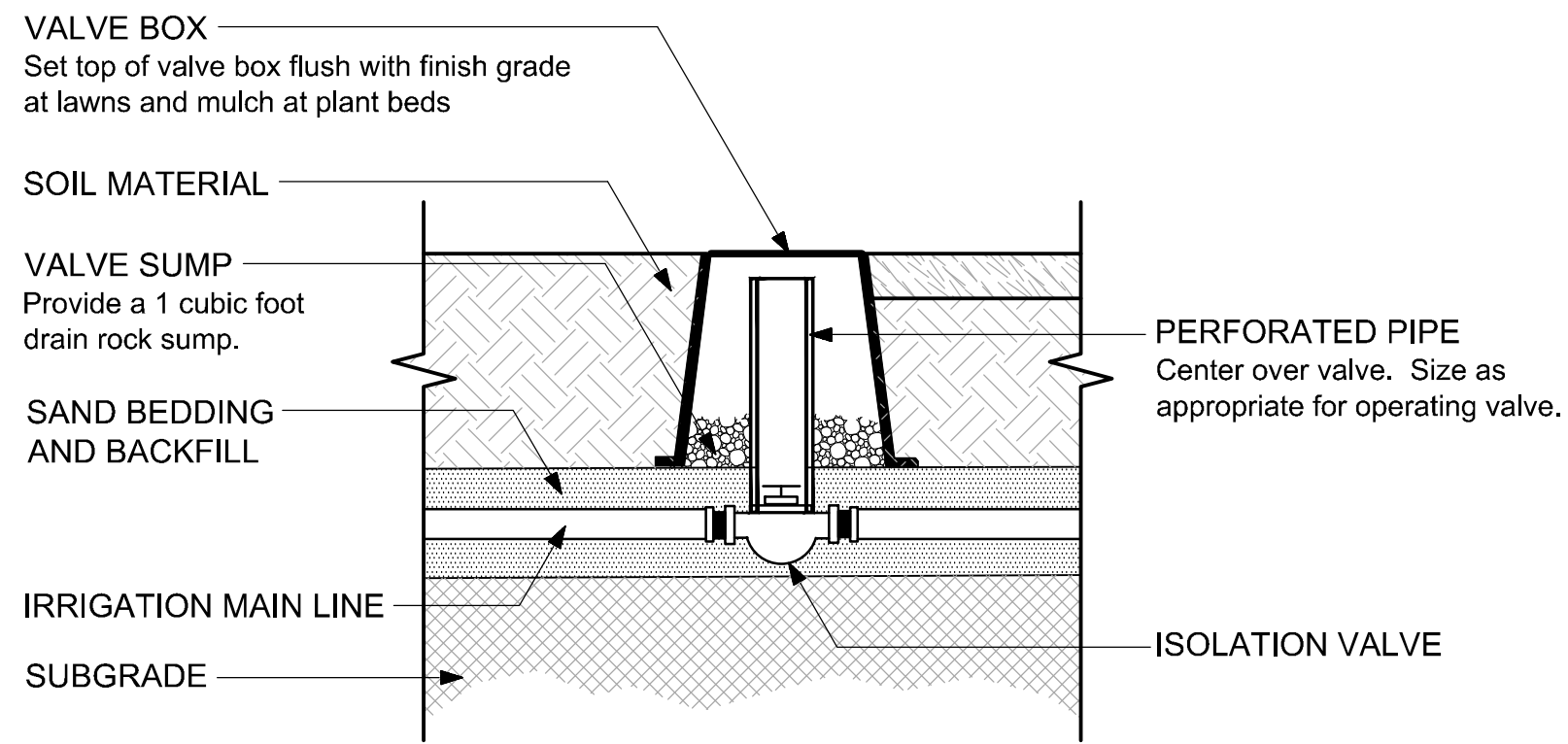


NOTES

1. Use teflon tape on all threaded joints.
2. Install irrigation head flush with finish grade of lawn or top of mulch in plant beds.

SWING RISER - ROTOR TYPE

7
NTS

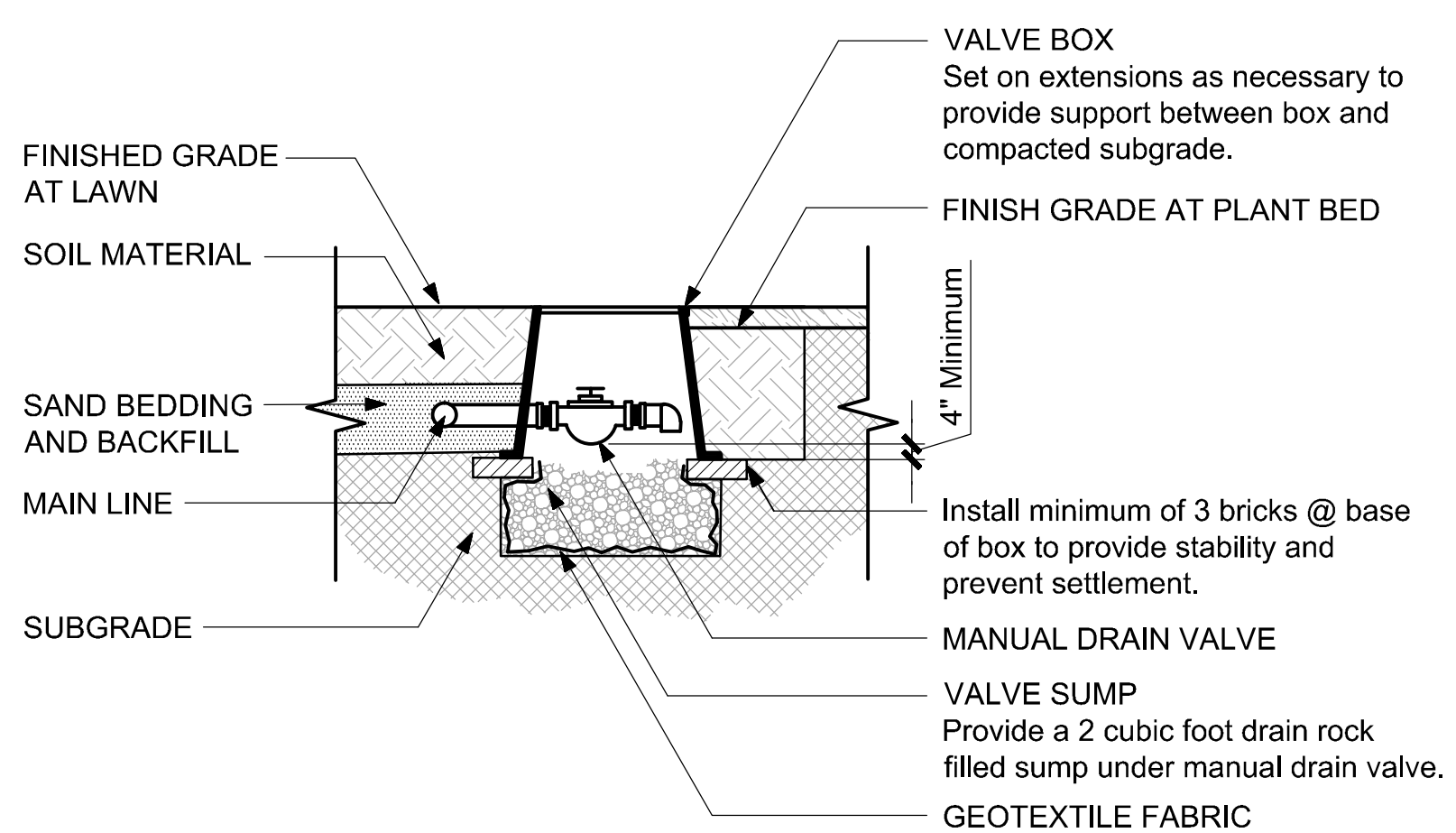


NOTES

1. Install Isolation Valve to be easily accessible and operable.

ISOLATION VALVE

4
NTS

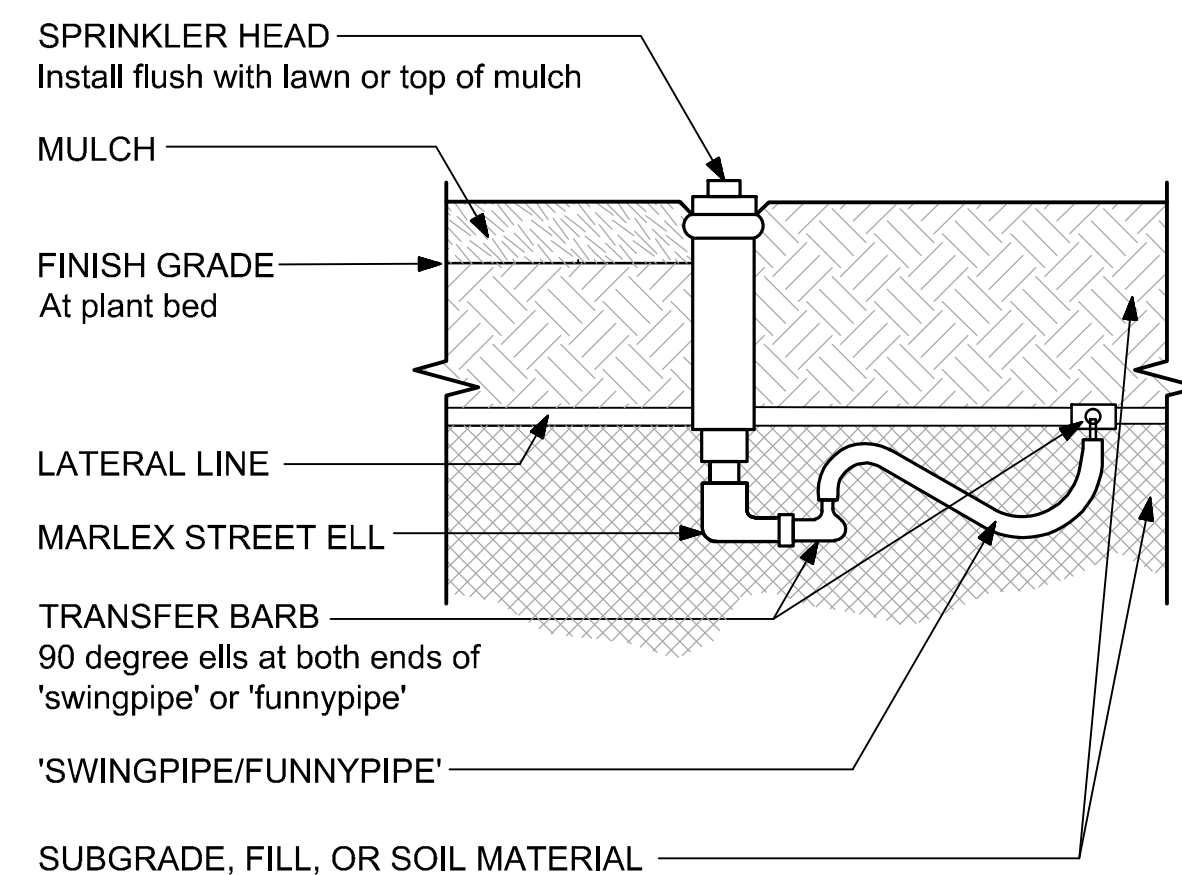


NOTES

1. Use teflon tape on all threaded pipe joints.
2. Use geotextile fabric to cover all pipe openings.

MANUAL DRAIN VALVE

5
NTS

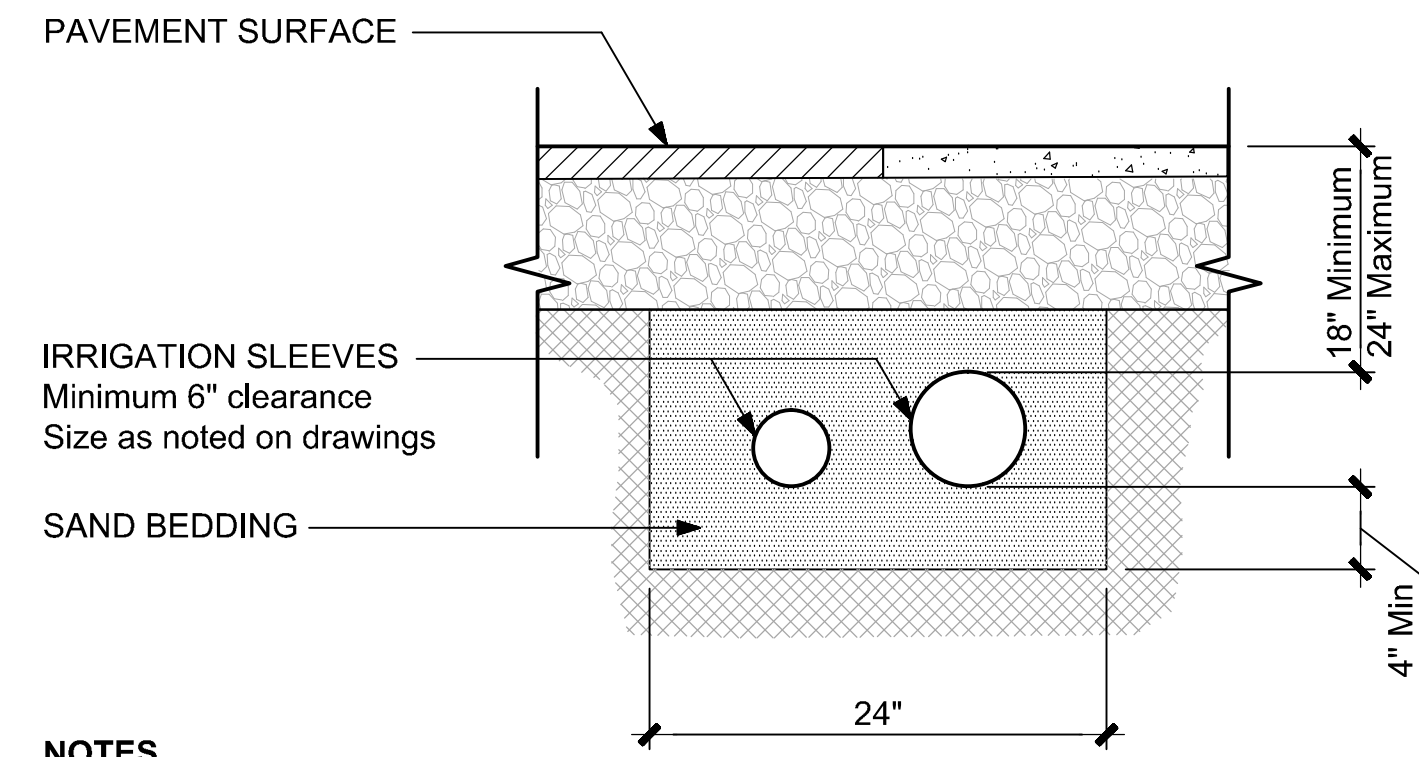


NOTES

1. Use teflon tape on all threaded pipe joints.
2. Install sprinkler head 3 inches from pavement or curbs.

FLEX RISER ASSEMBLY - NON-ROTOR TYPE

6
NTS

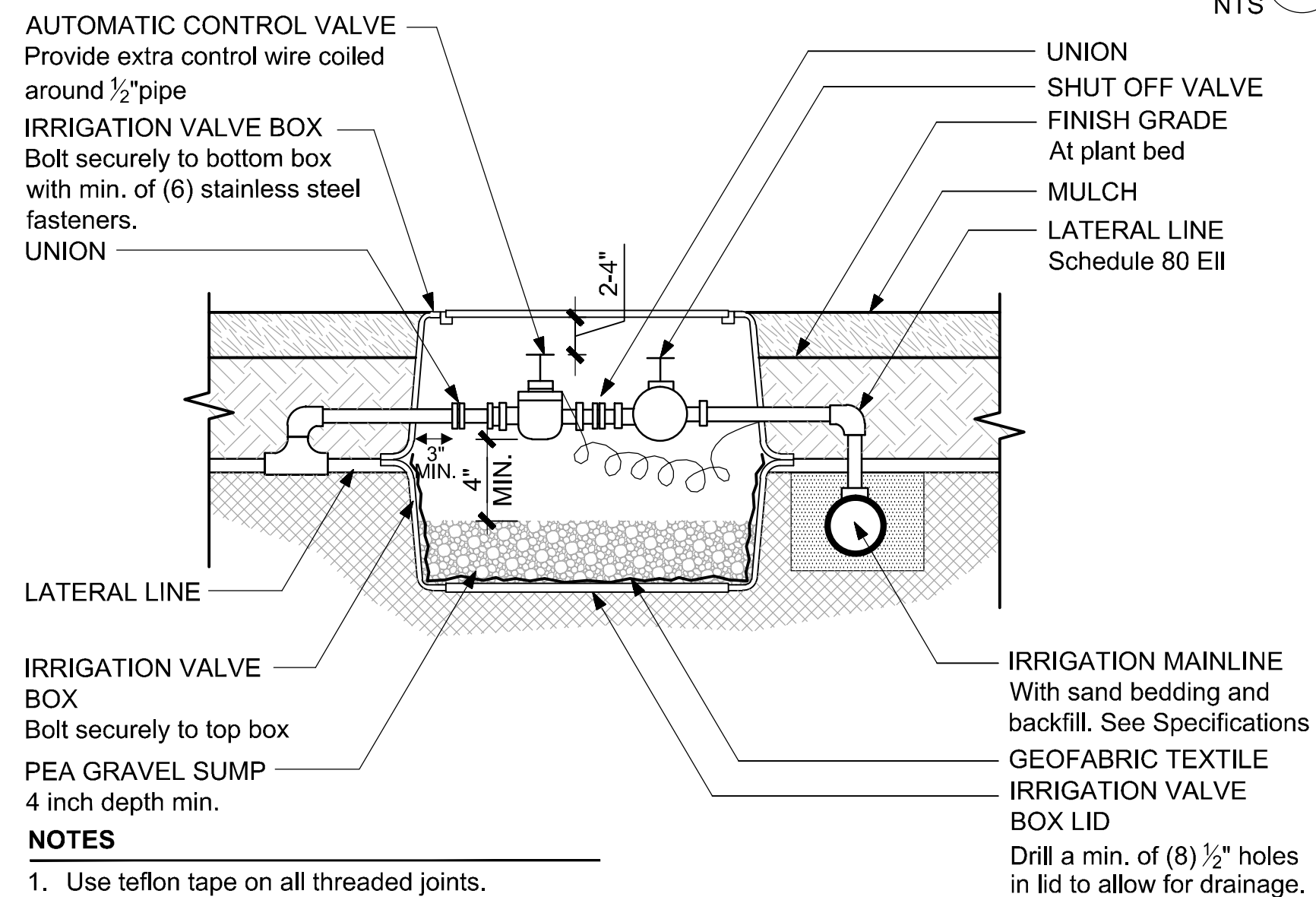


NOTES

1. Extend sleeves beyond pavement edge or back of curb as noted in specification. Cover open ends with duct tape
2. Install 2 x 4 red-top, wood location stakes @ both ends of sleeves and leave 2" above top of curb or pavement.

IRRIGATION SLEEVE

1
NTS

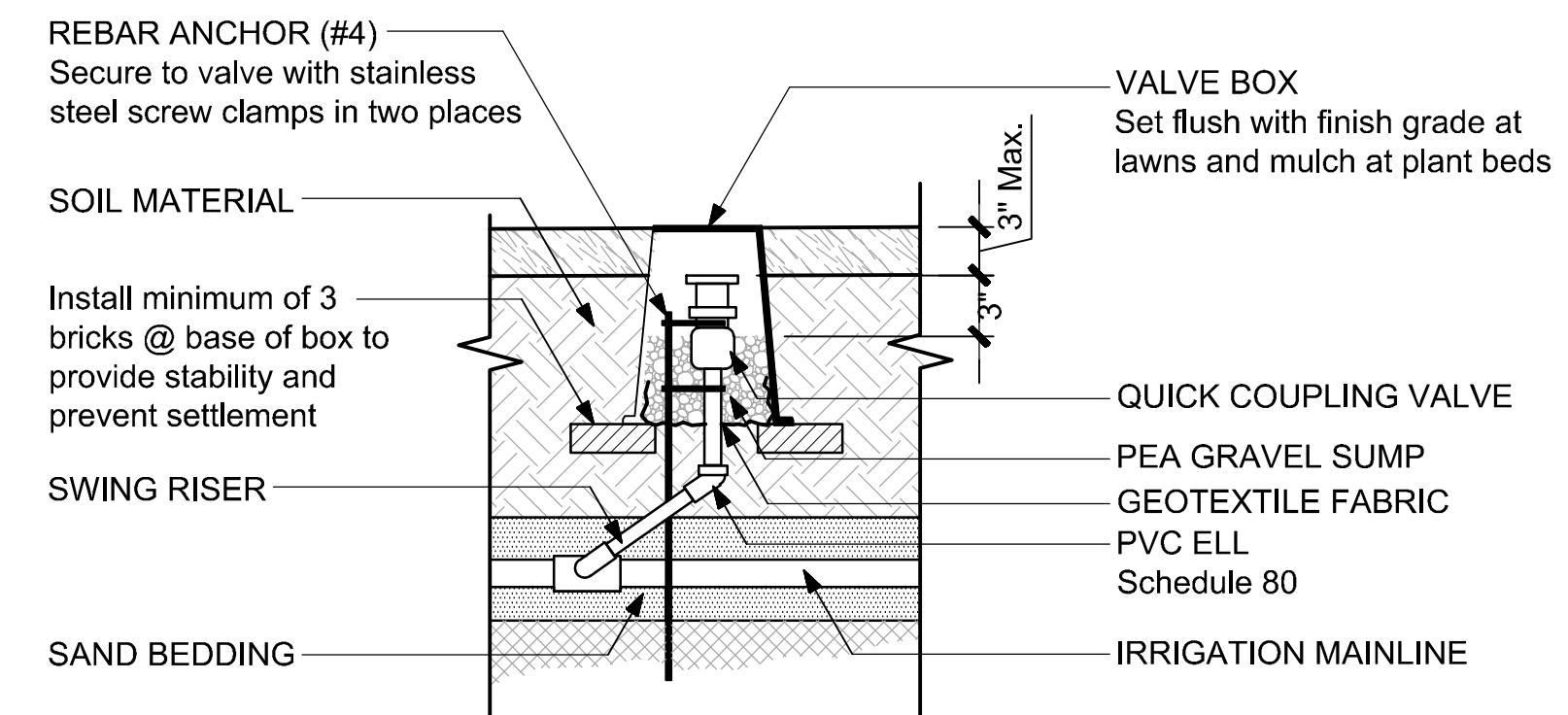


NOTES

1. Use teflon tape on all threaded joints.
2. Use geotextile fabric to cover all pipe openings.

CONTROL VALVE ASSEMBLY

2
NTS



NOTES

1. Use teflon tape on all threaded pipe joints.

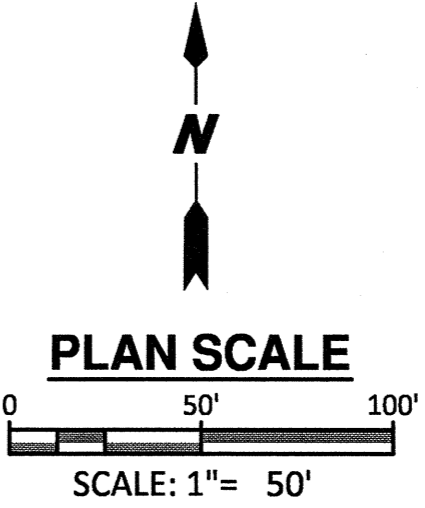
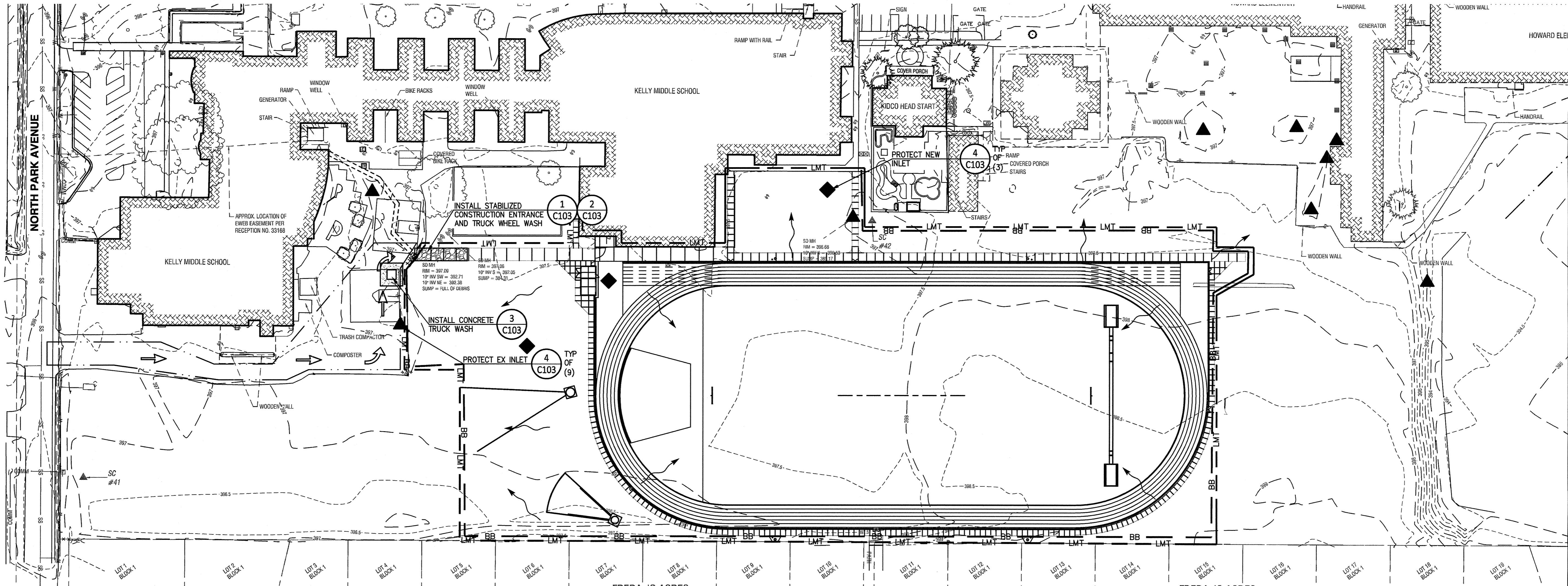
QUICK COUPLING VALVES

3
NTS

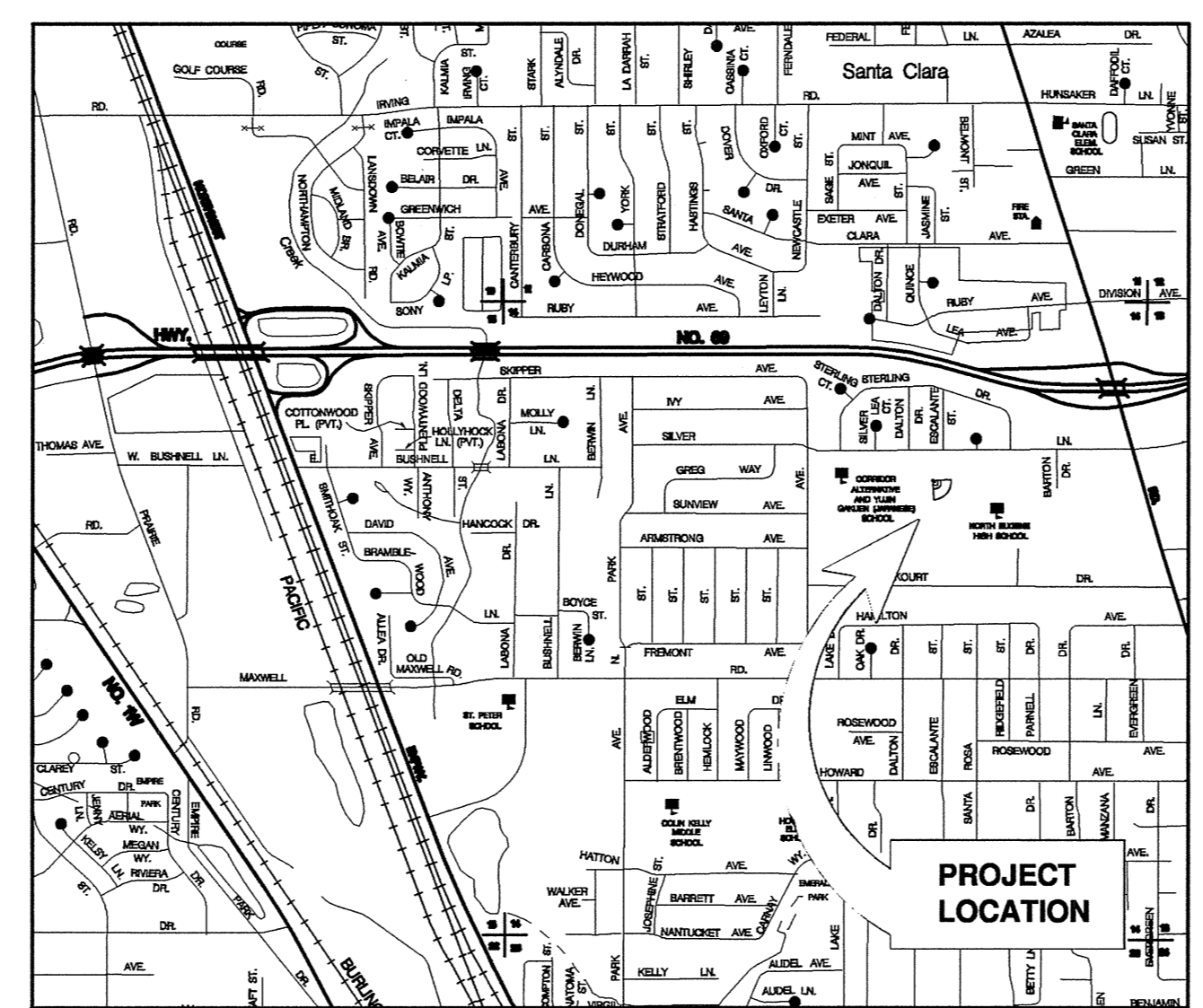
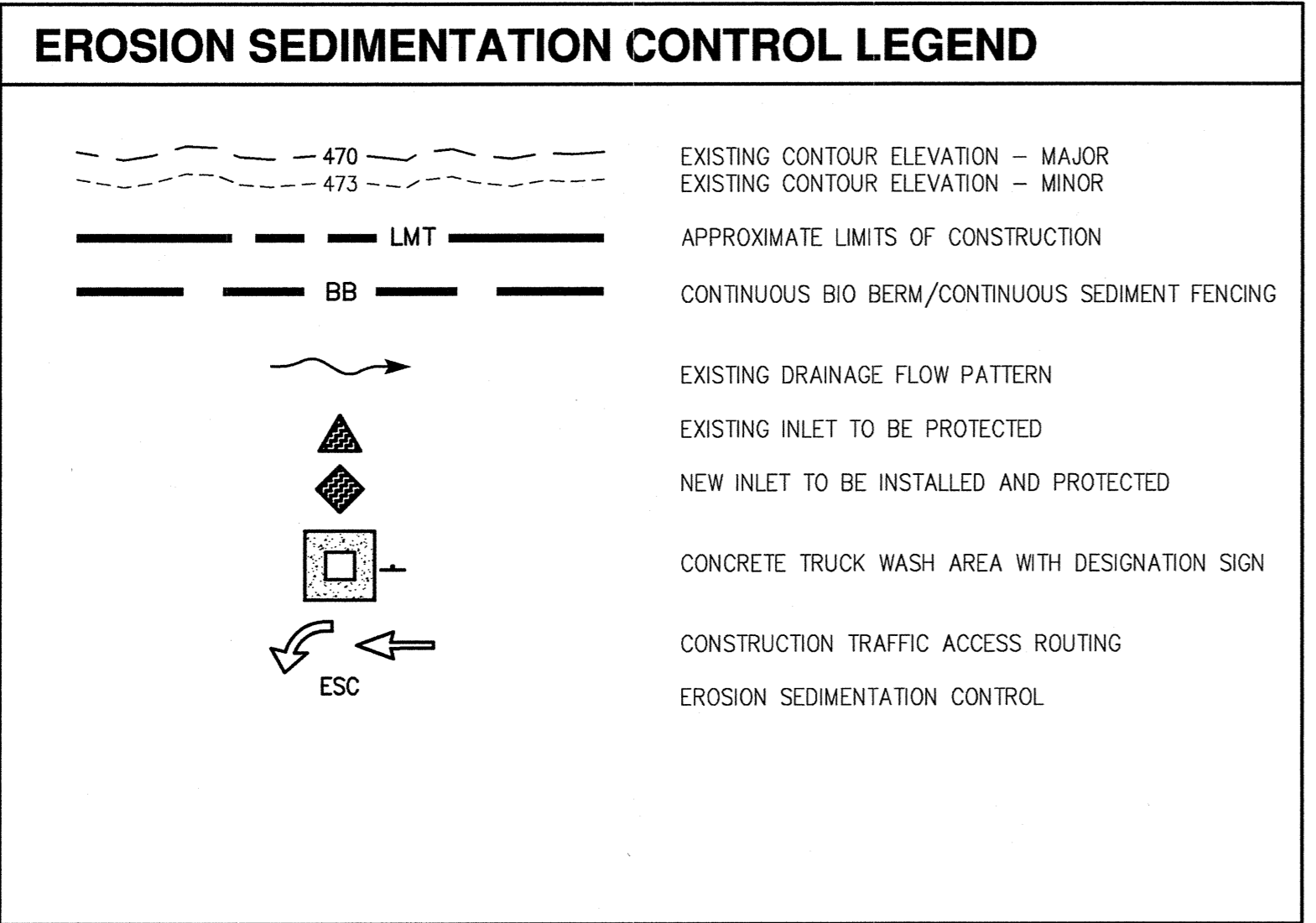
1 IRRIGATION DETAILS

PROJECT NO:	1415.00	REVISIONS:	
ISSUE DATE:	5.09.2014	DRAWN:	MW
CHECKED:		CHECKED:	MS

SCALE OF 11 x 17 SHEETS IS HALF OF SCALE INDICATED



SHEET NOTES
1. REFER TO SHEET C201 FOR LEGENDS AND GENERAL NOTES.



PROJECT LOCATION
LOCATION
LANE COUNTY, OREGON
LATITUDE= 44.0867', LONGITUDE= 123.1409'

PROPERTY/SITE DESCRIPTION
TAX LOT 100 (LANE COUNTY TAX MAP 17-04-14-34)
LOCATED IN THE SW 1/4 OF SECTION 14, TOWNSHIP 17
SOUTH, RANGE 4 WEST, WILLAMETTE MERIDIAN
LANE COUNTY, OREGON

TOTAL SITE AREA = 23.1 ACRES
TOTAL DISTURBED AREA = 3.9 ACRES

EUGENE SCHOOL DISTRICT
700 HOWARD EUGENE, OREGON
KELLY MIDDLE SCHOOL TRACK

PROJECT NO:	1415.00	REVISIONS:	
ISSUE DATE:	06.09.2014	DRAWN:	JAH
CHECKED:	MBA		
C101			

BALZHISER & HUBBARD
ENGINEERS INC.
100 WEST 13TH AVENUE
EUGENE, OR 97401
P: 541-686-8478
F: 541-345-3303
1001 SW 5TH AVENUE
SUITE 1100 - OFFICE 55
PORTLAND, OR 97204
P: 503-961-6440

DEVELOPER/OWNER

EUGENE SCHOOL DISTRICT
715 W. 4TH AVE.
EUGENE, OR 97402
PHONE: 541-790-7417
FAX: 541-790-7420

ENGINEERING/SURVEYING FIRM

BALZHISER & HUBBARD ENGINEERS
CONTACT: MONICA ANDERSON
100 W 13TH AVE
EUGENE, OR 97401
PHONE: 541-686-8478
FAX: 541-345-5303
1001 SW 5TH AVE., SUITE 1100
PORTLAND, OR 97204
PHONE: 503-961-6440
FAX: 541-345-5303

NARRATIVE DESCRIPTIONS

EXISTING SITE CONDITIONS

SITE CONSISTS OF 23.1 ACRES OF DEVELOPED LAND WITH SLOPES RANGING FROM 0 TO 3 PERCENT. THE EXISTING VEGETATION IS MADE UP OF TREES, SHRUBS, AND VARIOUS GRASSES.

DEVELOPED CONDITIONS

ATHLETIC FIELD AND TRACK WITH VEHICLE AND PEDESTRIAN ACCESS DISTURBING 3.6 ACRES.

SITE SOIL CLASSIFICATION

(PER SOIL SURVEY OF LANE COUNTY AREA, OREGON)
76 MALABON-URBAN LAND COMPLEX, DEEP AND WELL DRAINED.

RECEIVING WATER BODIES

AT CHANNEL VIA LANE COUNTY OWNED PIPED STORM DRAINAGE.

GENERAL EROSION SEDIMENTATION CONTROL (ESC) NOTES

STOCK PILES

- 1. STOCK PILES OF NATIVE SOILS AND/OR FILL MATERIALS SHALL NOT BE EXPOSED TO THE WEATHER WITHOUT PROVISIONS OF SECONDARY CONTAINMENT AND TREATMENT MEASURES AS OUTLINED BELOW.
- 2. SECONDARY CONTAINMENT SHALL CONSIST OF INSTALLED BIO BERM AND/OR CONTAINMENT DITCH AT TOE OF SLOPE AROUND STOCKPILE PERIMETER. BERM AND/OR DITCH SHALL BE OF SUFFICIENT SIZE TO CONTAIN STOCKPILED MATERIALS IN PLACE.
- 3. STOCK PILES ON SITE DURING WET WEATHER SEASON (OCTOBER 15 THROUGH APRIL 30) SHALL BE COVERED WITH 6 MIL (MIN. THICKNESS) POLYETHYLENE PLASTIC SHEETING. SHEETING SHALL BE INSTALLED AND MAINTAINED TIGHTLY IN PLACE USING APPROVED ANCHORING SYSTEM ON A 10' (MAX) GRID SPACING IN ALL DIRECTIONS. ALL SEAMS BETWEEN ADJACENT SHEETS SHALL BE LAPPED 12" (MIN) AND TAPED OR WEIGHTED DOWN FULL LENGTH OF SEAM. FOR SEAMS PARALLEL TO THE SLOPE CONTOUR, THE UPHILL SHEET SHALL OVERLAP THE DOWNHILL SHEET. NO RUNOFF SHALL BE ALLOWED TO RUN UNDER THE PLASTIC COVERING.
- 4. DEMOLITION AND/OR CONSTRUCTION DEBRIS, WASTE AND GARBAGE PILES OR CONSTRUCTION MATERIALS CONTAINING TOXIC CONTAMINANTS SHALL NOT BE PLACED WITHIN 25 FEET OF ANY NATURAL DRAINAGE FEATURE, STORM DRAIN INLET STRUCTURE OR DESIGNATED PROTECTED AREA.
- 5. LOCATION OF CONSTRUCTION MATERIAL STORAGE AREAS AND DEBRIS, WASTE AND GARBAGE PILE AREAS SHALL BE PROVIDED BY THE CONTRACTOR TO THE CITY AT THE TIME OF THE INITIAL ESC CONTROL INSPECTION.

CONCRETE TRUCK WASH AREA

- 1. PROVIDE MINIMUM OF ONE CONCRETE TRUCK WASH AREA FOR USE ON CLEANING OF DEPARTING CONCRETE TRUCKS.
- 2. CONCRETE TRUCK WASH AREAS SHALL BE LOCATED ADJACENT TO ANY CONSTRUCTION ENTRANCE USED BY DEPARTING CONCRETE TRUCKS.
- 3. CONCRETE TRUCK WASH AREAS SHALL BE CONSTRUCTED OF ONE OF THE FOLLOWING:
A. STRAW BALE BARRIER WITH PLASTIC LINER.
B. STACKED SAND BAGS OR BIO-BAGS AS A BARRIER WITH PLASTIC LINER.
C. PORTABLE CONTAINMENT POND.
- 4. SUGGESTED LOCATIONS OF CONCRETE TRUCK WASH AREA(S) ARE SHOWN ON THE EROSION SEDIMENTATION CONTROL PLAN, SHEET C101.
- 5. LOCATION OF CONCRETE TRUCK WASH AREA(S) SHALL BE PROVIDED BY THE CONTRACTOR TO THE CITY AT THE TIME OF THE INITIAL ESC INSPECTION.

STABILIZED CONSTRUCTION ENTRANCE

- 1. STABILIZED CONSTRUCTION ENTRANCE(S) SHALL BE ESTABLISHED AS SOON AS POSSIBLE AT THE BEGINNING OF CONSTRUCTION AND MAINTAINED FOR THE DURATION OF THE PROJECT IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT INTO PUBLIC RIGHT-OF-WAY. EXISTING PAVED ACCESS MAY BE USED AS CONSTRUCTION ENTRANCE AS NOTED ON SHEET C101.
- 2. ADDITIONAL ROCK SHALL BE ADDED PERIODICALLY, IF NECESSARY, TO MAINTAIN PROPER FUNCTION OF THE PAD.
- 3. INSTALL VEHICLE BARRIERS AT ANY SITE ENTRANCE NOT USED AS STABILIZED CONSTRUCTION ENTRANCE TO RESTRICT SITE ACCESS.
- 4. IF ESTABLISHED ENTRANCES DO NOT ADEQUATELY REMOVE DIRT AND MUD FROM VEHICLE WHEELS SUCH THAT MUD AND DIRT TRACKING IS EVIDENT OFF SITE, ADDITIONAL MEASURES MUST BE TAKEN. SUCH MEASURES MAY INCLUDE WHEEL WASHING BEFORE VEHICLES LEAVE THE SITE OR OTHER CONSTRUCTION TECHNIQUES/WORK OPERATION MODIFICATIONS.
- 5. WHEEL WASHING SHOULD BE DONE ON THE GRAVEL PAD AND WASH WATER SHOULD DRAIN THROUGH A SILT-TRAPPING STRUCTURE PRIOR TO LEAVING THE CONSTRUCTION SITE. REFER TO DETAIL 2/C103, TRUCK WHEEL WASH.
- 6. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CLEAN UP ANY SEDIMENT/MUD TRACKED INTO ADJACENT RIGHT-OF-WAY.

SLOPE STABILIZATION

- 1. EXPOSED CUT OR FILL AREAS SHALL BE STABILIZED THROUGH THE USE OF TEMPORARY SEEDING AND MULCHING, EROSION CONTROL BLANKETS OR MATS, MID-SLOPE SEDIMENT FENCES OR WATTLES, OR OTHER APPROPRIATE MEASURES. SLOPES EXCEEDING 25% MAY REQUIRE ADDITIONAL EROSION CONTROL MEASURES.
- 2. TEMPORARY SLOPE STABILIZATION MEASURES MAY INCLUDE COVERING EXPOSED SOIL WITH PLASTIC SHEETING, INSTALLATION OF STRAW MULCHING AND/OR WOOD CHIPS, OR OTHER APPROVED MEASURES.
- 3. LONG TERM SLOPE STABILIZATION MEASURES SHALL INCLUDE THE ESTABLISHMENT OF PERMANENT VEGETATIVE COVER VIA SEEDING WITH APPROVED SEED MIX AND APPLICATION RATE.

GENERAL NOTES

- 1. INSTALL BASIN INSERT BAGS OR CURB INLET SEDIMENT DAMS AT ALL INLET STRUCTURES.
- 2. ALL SAW-CUTTING SLURRY MUST BE VACUUMED IMMEDIATELY AND DISPOSED OF OFF-SITE.
- 3. THE FOLLOWING WERE REVIEWED AND DO NOT PERTAIN TO THIS PROJECT:
A. THERE ARE NO NATURAL RESOURCE SITES.
B. THERE ARE NO BORROW SITES.
C. THERE ARE NO CONSERVATION ZONES.
- 4. REFER TO LANDSCAPE PLANS FOR PERMANENT VEGETATION.
- 5. ALL ESC MEASURES WILL BE COMPLETED IN A SINGLE PHASE.
- 6. SITE WORK WILL BE COMPLETED IN A SINGLE PHASE.
- 7. EXPECTED TIME PERIOD OF LAND DISTURBING ACTIVITIES IS 4 MONTHS.

SCHEDULE FOR CONSTRUCTION AND IMPLEMENTATION OF ESC CONTROLS

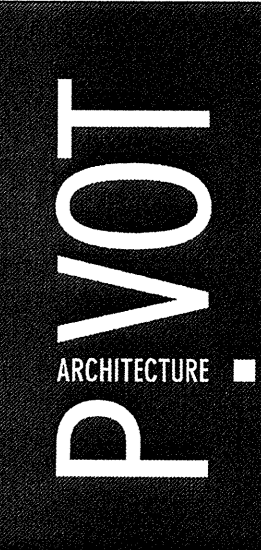
- 1. HOLD THE PRE-CONSTRUCTION MEETING.
- 2. FLAG OR FENCE CLEARING LIMITS (AS STATED ON THE APPROVED PLANS).
- 3. INSTALL ESC MEASURES PRIOR TO CONSTRUCTION.
- 4. CALL TO SCHEDULE AN ON-SITE INSPECTION OF ALL EROSION MEASURES AFTER INSTALLATION AND PRIOR TO COMMENCING SOIL DISTURBANCE OPERATIONS.
- 5. MAINTAIN ESC MEASURES IN ACCORDANCE WITH CITY OF EUGENE STANDARDS AND MANUFACTURER'S RECOMMENDATIONS.
- 6. PERFORM DAILY INSPECTIONS OF THE ESC FACILITIES AND MAINTAIN WRITTEN RECORDS OF INSPECTIONS.
- 7. UPDATE EROSION AND ESC MEASURES TO HANDLE MAJOR CHANGE IN SITE CONDITIONS.
- 8. COVER ALL AREAS THAT WILL BE UNWORKED FOR MORE THAN SEVEN DAYS DURING THE DRY SEASON OR TWO DAYS DURING THE WET SEASON WITH STRAW, WOOD FIBER MULCH, COMPOST, PLASTIC SHEETING, OR EQUIVALENT.
- 9. STABILIZE ALL AREAS WITHIN SEVEN DAYS OF REACHING FINAL GRADE.
- 10. SEED OR SOD ANY AREAS TO REMAIN UNWORKED FOR MORE THAN 30 DAYS.
- 11. SWEEP STREETS ADJACENT TO CONSTRUCTION ENTRANCES A MINIMUM OF ONCE PER WEEK. USE OF WATER TRUCKS TO WASH DOWN STREETS IS NOT ALLOWED AFTER BEGINNING OF PAVEMENT PLACEMENT.
- 12. UPON COMPLETION OF THE PROJECT, STABILIZE ALL DISTURBED AREAS AND REMOVE BMP'S IF APPROPRIATE.

CITY OF EUGENE CONSTRUCTION SITE MANAGEMENT PLAN (CSMP) NOTES

- 1. PRIOR TO ANY GROUND DISTURBANCE ON THE SITE ONE INSPECTION WITH EROSION PREVENTION STAFF IS REQUIRED.
- 2. THE CONSTRUCTION SITE MANAGEMENT PLAN DOES NOT AUTHORIZE CONSTRUCTION ACTIVITIES. GRADING, BUILDING, PEPI, AND OTHER PERMITS MAY BE REQUIRED. ALL OTHER NECESSARY APPROVALS SHALL BE OBTAINED.
- 3. ISSUANCE OF AN EROSION PREVENTION PERMIT APPROVES PROTECTION MEASURES, NOT CONSTRUCTION OR GROUND DISTURBING ACTIVITIES. IT DOES NOT RELIEVE THE PERMIT HOLDER AND/OR THE CONTRACTOR FROM OTHER PERMITTING REQUIREMENTS.
- 4. CONSTRUCTION SHALL CONFORM TO THE CURRENT EDITION OF THE CITY AMENDED OREGON STANDARD SPECIFICATIONS FOR CONSTRUCTION AND CITY STANDARD DRAWINGS* (*REQUIRED FOR PUBLIC IMPROVEMENT PROJECTS ONLY).
- 5. EROSION AND SEDIMENT CONTROL MEASURES, AND OTHER NATURAL RESOURCE PROTECTION FENCING AND BARRIERS, SHOWN ON THE CSMP ARE THE MINIMUM REQUIREMENTS FOR ANTICIPATED SITE CONDITIONS. DURING CONSTRUCTION, MEASURES SHALL BE UPGRADED, AS NEEDED OR AS DIRECTED BY THE CITY INSPECTOR.
- 6. IMPLEMENTATION OF THE CSMP, INCLUDING CONSTRUCTION, MAINTENANCE, REPLACEMENT, AND UPGRADING OF EROSION AND SEDIMENT CONTROL MEASURES AND PROTECTION FENCING, IS THE RESPONSIBILITY OF THE PERMIT HOLDER AND/OR THE CONTRACTOR UNTIL ALL CONSTRUCTION IS COMPLETED AND VEGETATION/LANDSCAPING IS ESTABLISHED AND APPROVED.
- 7. BOUNDARIES OF THE CLEARING AND GRADING LIMITS SHOWN ON THIS PLAN SHALL BE CLEARLY FLAGGED IN THE FIELD PRIOR TO CONSTRUCTION. DURING CONSTRUCTION, NO DISTURBANCE BEYOND THE FLAGGED CLEARING AND GRADING LIMITS SHALL BE PERMITTED. THE FLAGGING SHALL BE MAINTAINED BY THE PERMIT HOLDER AND/OR THE CONTRACTOR FOR THE DURATION OF CONSTRUCTION. IN ADDITION, WETLAND AND RIPARIAN AREAS SHALL BE IDENTIFIED AND PROTECTED WITH APPROPRIATE FENCING AS NOTED ON CSMP PRIOR TO CONSTRUCTION AND SHALL NOT BE DISTURBED UNLESS THE PROPER PERMITS ARE OBTAINED.
- 8. EROSION AND SEDIMENT CONTROL MEASURES SHOWN ON THIS CSMP MUST BE CONSTRUCTED IN CONJUNCTION WITH ALL CLEARING AND GRADING ACTIVITIES. IN SUCH A MANNER AS TO ENSURE THAT SEDIMENT AND SEDIMENT LADEN WATER DOES NOT ENTER THE STORMWATER SYSTEM, ROADWAYS, ADJACENT PROPERTY OR VIOLATE APPLICABLE WATER QUALITY STANDARDS. WHEN DESIGNING AND IMPLEMENTING MEASURES, THE PERMIT HOLDER AND/OR THE CONTRACTOR SHALL CONSIDER THE SEASONAL VARIATION OF RAINFALL, TEMPERATURE, AND OTHER CLIMATIC FACTORS RELATIVE TO THE TIMING OF LAND DISTURBANCE ACTIVITIES.
- 9. EROSION AND SEDIMENT CONTROL MEASURES ON ACTIVE SITES SHALL BE INSPECTED AND MAINTAINED DAILY AND WITHIN 24 HOURS AFTER ANY STORM EVENT GREATER THAN 0.5 INCHES OF RAIN PER 24 HOUR PERIOD. ANY REQUIRED REPAIRS OR ADJUSTMENTS SHALL BE MADE IMMEDIATELY. THE EROSION AND SEDIMENT CONTROL MEASURES ON INACTIVE SITES SHALL BE INSPECTED A MINIMUM OF ONCE EVERY MONTH AND/OR WITHIN 48 HOURS FOLLOWING STORM EVENTS. ADDITIONALLY, SITES COVERED UNDER DEPARTMENT OF ENVIRONMENTAL QUALITY (DEQ) PERMITS (1200-C, 1200-CN) MUST COMPLY WITH THOSE PERMIT MONITORING AND RECORD-KEEPING REQUIREMENTS.
- 10. DURING THE WET WEATHER SEASON (OCTOBER 15 TO APRIL 30), ALL EXPOSED SOIL AND STOCKPILE AREAS SHALL BE COVERED, OR OTHERWISE PROTECTED BY A FACILITY (OR COMBINATION OF FACILITIES) THAT RESULT IN NO STORMWATER RUNOFF LEAVING THE SITE DURING A 5-YEAR STORM EVENT. FOR DEVELOPMENT SITES OVER 40 ACRES, THE DESIGN STORM SHALL BE A 10-YEAR STORM EVENT CONSISTENT WITH AN APPROVED CSMP.
- 11. ALL ADJACENT PROPERTIES, WATER FEATURES, AND RELATED NATURAL RESOURCES ARE TO BE KEPT FREE OF DEPOSITS OR DISCHARGES OF SOIL, SEDIMENT OR CONSTRUCTION-RELATED MATERIAL FROM THE CONSTRUCTION SITE.
- 12. ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE PROTECTED FROM DAMAGE AT ALL TIMES. EROSION CONTROL MEASURES SHALL REMAIN IN PLACE UNTIL VEGETATION HAS BEEN ESTABLISHED AND THE SITE IS PERMANENTLY STABILIZED. ANY MEASURES THAT ARE DAMAGED OR DESTROYED SHALL BE REPAIRED OR REPLACED IMMEDIATELY.
- 13. STABILIZE ALL DISTURBED AREAS WITHIN 50 FEET OF WATERWAYS, WETLANDS OR OTHER SENSITIVE AREAS WITHIN 7 DAYS OF EXPOSURE.
- 14. STREETS ADJACENT TO CONSTRUCTION ENTRANCES AND ALONG HAUL ROUTES SHALL BE SWEEPED AS NEEDED OR WHEN DIRECTED BY THE CITY INSPECTOR TO ENSURE PUBLIC RIGHTS-OF-WAY ARE KEPT CLEAN AND FREE OF DEBRIS.
- 15. WHEN TRUCKING SATURATED SOILS TO OR FROM THE SITE, EITHER WATER-TIGHT TRUCKS SHALL BE USED OR LOADS SHALL BE DRAINED PRIOR TO TRANSPORT UNTIL DRIPPING HAS BEEN REDUCED TO NO MORE THAN ONE GALLON PER HOUR. SEDIMENT LADEN WATER WILL NOT BE ALLOWED TO ENTER THE STORMWATER SYSTEM.
- 16. EXTRACTED GROUND WATER FROM EXCAVATED TRENCHES SHALL BE DISPOSED OF IN A SUITABLE MANNER WITHOUT DISCHARGING SEDIMENT TO ADJACENT PROPERTIES, THE CITY'S STORMWATER SYSTEM, WATER FEATURES, OR RELATED NATURAL RESOURCES. DEWATERING SYSTEMS SHALL BE DESIGNED AND OPERATED SO AS TO PREVENT REMOVAL OF THE NATURAL SOILS AND SO THAT THE GROUNDWATER LEVEL OUTSIDE THE EXCAVATION IS NOT REDUCED TO THE EXTENT THAT WOULD DAMAGE OR ENDANGER ADJACENT STRUCTURES OR PROPERTY. APPROVAL OF THE DEWATERING SYSTEM DOES NOT GUARANTEE THAT IT WILL MEET THE OUTCOMES OR BE ACCEPTABLE FOR USE IN ALL SITUATIONS. MODIFICATIONS TO THE SYSTEM WILL BE REQUIRED IF THE OUTCOMES CANNOT BE MET. AT NO TIME WILL SEDIMENT LADEN WATER BE ALLOWED TO LEAVE THE CONSTRUCTION SITE.
- 17. A SUPPLY OF MATERIALS NECESSARY TO MEET THE OUTCOMES AND IMPLEMENT THE CSMP OR OTHER EROSION PRACTICES UNDER ALL WEATHER CONDITIONS SHALL BE MAINTAINED AT ALL TIMES ON THE CONSTRUCTION SITE.
- 18. NO HAZARDOUS SUBSTANCES, SUCH AS PAINTS, THINNERS, FUELS AND OTHER CHEMICALS SHALL BE RELEASED ONTO THE SITE, ADJACENT PROPERTIES, OR INTO WATER FEATURES, THE CITY'S STORMWATER SYSTEM, OR RELATED NATURAL RESOURCES.
- 19. NO DISCHARGE INTO THE CITY'S STORMWATER SYSTEM OR RELATED NATURAL RESOURCES OF CONSTRUCTION RELATED CONTAMINANTS RESULTING FROM ACTIVITIES SUCH AS, BUT NOT LIMITED TO, CONCRETE SAWING, CLEANING OR WASHING OF EQUIPMENT, TOOLS, OR VEHICLES, SHALL OCCUR.
- 20. ALL WORK PERFORMED BY UTILITY COMPANIES FOR THIS PROJECT, INCLUDING PLACEMENT OF APPROPRIATE EROSION AND SEDIMENT CONTROL MEASURES, FINISHED GRADING, SEEDING, MULCHING AND CLEAN UP IS GOVERNED BY THE CONDITIONS AND REQUIREMENTS OF THIS CSMP. COMPLIANCE WITH THESE REQUIREMENTS IS THE RESPONSIBILITY OF THE PERMIT HOLDER.

DEQ STANDARD EROSION AND SEDIMENT CONTROL PLAN (ESCP) NOTES

- 1. HOLD A PRE-CONSTRUCTION MEETING OF PROJECT CONSTRUCTION PERSONNEL THAT INCLUDES THE INSPECTOR TO DISCUSS EROSION AND SEDIMENT CONTROL MEASURES AND CONSTRUCTION LIMITS. (Schedule A.8.c.i.(3))
- 2. ALL INSPECTIONS MUST BE MADE IN ACCORDANCE WITH DEQ 1200-C PERMIT REQUIREMENTS.
- 3. INSPECTION LOGS MUST BE KEPT IN ACCORDANCE WITH DEQ'S 1200-C PERMIT REQUIREMENTS.
- 4. RETAIN A COPY OF THE ESCP AND ALL REVISIONS ON SITE AND MAKE IT AVAILABLE ON REQUEST TO DEQ, AGENT, OR THE LOCAL MUNICIPALITY. DURING INACTIVE PERIODS OF GREATER THAN SEVEN (7) CONSECUTIVE CALENDAR DAYS, RETAIN THE ESCP AT THE CONSTRUCTION SITE OR AT ANOTHER LOCATION. (Schedule B.2.g).
- 5. ALL PERMIT REGISTRANTS MUST IMPLEMENT THE ESCP. FAILURE TO IMPLEMENT ANY OF THE CONTROL MEASURES OR PRACTICES DESCRIBED IN THE ESCP IS A VIOLATION OF THE PERMIT. (Schedule A.8.o)
- 6. THE ESCP MEASURES SHOWN ON THIS PLAN ARE MINIMUM REQUIREMENTS FOR ANTICIPATED SITE CONDITIONS. DURING THE CONSTRUCTION PERIOD, UPGRADE THESE MEASURES AS NEEDED TO COMPLY WITH ALL APPLICABLE LOCAL, STATE, AND FEDERAL EROSION AND SEDIMENT CONTROL REGULATIONS (Schedule A.8.c.ii(1)(c))
- 7. SUBMISSIONS OF ALL ESCP REVISIONS IS NOT REQUIRED. SUBMITTAL OF THE ESCP REVISION IS ONLY UNDER SPECIFIC CONDITIONS. SUBMIT ALL NECESSARY REVISION TO DEQ OR AGENT. (Schedule A.12.c.ii)
- 8. PHASE CLEARING AND GRADING TO THE MAXIMUM EXTENT PRACTICAL TO PREVENT EXPOSED INACTIVE AREAS FROM BECOMING A SOURCE OF EROSION. (Schedule A.8.c.ii(1)(d))
- 9. IDENTIFY, MARK, AND PROTECT (BY FENCING OFF OR OTHER MEANS) CRITICAL RIPARIAN AREAS AND VEGETATION INCLUDING IMPORTANT TREES AND ASSOCIATED ROOTING ZONES, AND VEGETATION AREAS TO BE PRESERVED. IDENTIFY VEGETATIVE BUFFER ZONES BETWEEN THE SITE AND SENSITIVE AREAS (E.G., WETLANDS), AND OTHER AREAS TO BE PRESERVED, ESPECIALLY IN PERIMETER AREAS. (SCHEDULE A.8.c.i(1) & (2))
- 10. PRESERVE EXISTING VEGETATION WHEN PRACTICAL AND RE-VEGETATE OPEN AREAS. RE-VEGETATE OPEN AREAS WHEN PRACTICABLE BEFORE AND AFTER GRADING OR CONSTRUCTION. IDENTIFY THE TYPE OF VEGETATIVE SEED MIX USED. (Schedule A.7.b.iii(1) and A.7.b.iii(3))
- 11. EROSION AND SEDIMENT CONTROL MEASURES INCLUDING PERIMETER SEDIMENT CONTROL MUST BE IN PLACE BEFORE VEGETATION IS DISTURBED AND MUST REMAIN IN PLACE AND BE MAINTAINED, REPAIRED, AND PROMPTLY IMPLEMENTED FOLLOWING PROCEDURES ESTABLISHED FOR THE DURATION OF CONSTRUCTION, INCLUDING PROTECTION FOR ACTIVE STORM DRAIN INLETS AND CATCH BASINS AND APPROPRIATE NON-STORMWATER POLLUTION CONTROLS. (Schedule A.7.d.1 and A.8.c)
- 12. ESTABLISH CONCRETE TRUCK AND OTHER CONCRETE EQUIPMENT WASHOUT AREAS BEFORE BEGINNING CONCRETE WORK. (Schedule A.8.c.i.(8))
- 13. APPLY TEMPORARY AND/OR PERMANENT SOIL STABILIZATION MEASURES IMMEDIATELY ON ALL DISTURBED AREAS AS GRADING PROGRESSES AND FOR ALL ROADWAYS INCLUDING GRAVEL ROADWAYS. (Schedule A.8.c.ii.(2))
- 14. ESTABLISH MATERIAL AND WASTE STORAGE AREAS, AND OTHER NON-STORMWATER CONTROLS. (Schedule A.8.c.i.(7))
- 15. PREVENT TRACKING OF SEDIMENT ONTO PUBLIC OR PRIVATE ROADS USING BMP'S SUCH AS: GRAVELED (OR PAVED) EXITS AND PARKING AREAS, GRAVEL ALL UNPAVED ROADS LOCATED ONSITE, OR USE AN EXIT TIRE WASH. THESE BMP'S MUST BE IN PLACE PRIOR TO LAND-DISTURBING ACTIVITIES. (Schedule A.7.d.ii(1) and A.8.c.i.(4))
- 16. WHEN TRUCKING SATURATED SOILS FROM THE SITE, EITHER USE WATER-TIGHT TRUCKS OR DRAIN LOADS ON SITE. (Schedule A.7.d.ii(3))
- 17. USE BMP'S TO PREVENT OR MINIMIZE STORMWATER EXPOSURE TO POLLUTANT FROM SPILLS; VEHICLE AND EQUIPMENT FUELING, MAINTENANCE, AND STORAGE; OTHER CLEANING AND MAINTENANCE ACTIVITIES; AND WASTE HANDLING ACTIVITIES. THESE POLLUTANTS INCLUDE FUEL, HYDRAULIC FLUID, AND OTHER OILS FROM VEHICLES AND MACHINERY, AS WELL AS DEBRIS, LEFTOVER PAINTS, SOLVENTS, AND GLUES FROM CONSTRUCTION OPERATIONS. (Schedule A.7.e.i.(2))
- 18. IMPLEMENT THE FOLLOWING BMP'S WHEN APPLICABLE: WRITTEN SPILL PREVENTION AND RESPONSE PROCEDURES, EMPLOYEE TRAINING ON SPILL PREVENTION AND PROPER DISPOSAL PROCEDURES, SPILL KITS IN ALL VEHICLES, REGULAR MAINTENANCE SCHEDULE FOR VEHICLES AND MACHINERY, MATERIAL DELIVERY AND STORAGE CONTROLS, TRAINING AND SIGNAGE, AND COVERED STORAGE AREAS FOR WASTE AND SUPPLIES. (Schedule A.7.e.iii)
- 19. USE WATER, SOIL-BINDING AGENT OR OTHER DUST CONTROL TECHNIQUE AS NEEDED TO AVOID WIND-BLOWN SOIL. (Schedule A.7.b.i)
- 20. THE APPLICATION RATE OF FERTILIZERS USED TO RE-ESTABLISH VEGETATION MUST FOLLOW MANUFACTURER'S RECOMMENDATIONS TO MINIMIZE NUTRIENT RELEASES TO SURFACE WATERS. EXERCISE CAUTION WHEN USING TIME-RELEASE FERTILIZERS WITHIN ANY WATERWAY RIPARIAN ZONE. (Schedule A.9.b.iii)
- 21. IF A STORMWATER TREATMENT SYSTEM (FOR EXAMPLE, ELECTRO-COAGULATION, FLOCCULATION, FILTRATION, ETC.) FOR SEDIMENT OR OTHER POLLUTANT REMOVAL IS EMPLOYED, SUBMIT AN OPERATION AND MAINTENANCE PLAN (INCLUDING SYSTEM SCHEMATIC, LOCATION OF SYSTEM, LOCATION OF INLET, LOCATION OF DISCHARGE, DISCHARGE DISPERSION DEVICE DESIGN, AND A SAMPLING PLAN AND FREQUENCY) BEFORE OPERATING THE TREATMENT SYSTEM. OBTAIN PLAN APPROVAL BEFORE OPERATING THE TREATMENT SYSTEM. OPERATE AND MAINTAIN THE TREATMENT SYSTEM ACCORDING TO MANUFACTURER'S SPECIFICATIONS. (Schedule A.9.d)
- 22. TEMPORARILY STABILIZE SOILS AT THE END OF THE SHIFT BEFORE HOLIDAYS AND WEEKENDS, IF NEEDED. THE REGISTRANT IS RESPONSIBLE FOR ENSURING THAT SOILS ARE STABLE DURING RAIN EVENTS AT ALL TIMES OF THE YEAR. (Schedule A.7.b)
- 23. AT THE END OF EACH WORKDAY SOIL STOCKPILES MUST BE STABILIZED OR COVERED, OR OTHER BMP'S MUST BE IMPLEMENTED TO PREVENT DISCHARGES TO SURFACE WATERS OR CONVEYANCE SYSTEMS LEASING TO SURFACE WATERS. (Schedule A.7.e.ii(2))
- 24. CONSTRUCTION ACTIVITIES MUST AVOID OR MINIMIZE EXCAVATION AND CREATION OF BARE GROUND DURING WET WEATHER. (Schedule A.7.a.i)
- 25. SEDIMENT FENCE: REMOVE TRAPPED SEDIMENT BEFORE IT REACHES ONE THIRD OF THE ABOVE GROUND FENCE HEIGHT AND BEFORE FENCE REMOVAL. (Schedule A.9.c.i)
- 26. OTHER SEDIMENT BARRIERS (SUCH AS BIOBAGS): REMOVE SEDIMENT BEFORE IT REACHES TWO INCHES DEPTH ABOVE GROUND HEIGHT, AND BEFORE BMP REMOVAL. (Schedule A.9.c.ii)
- 27. CATCH BASINS: CLEAN BEFORE RETENTION CAPACITY HAS BEEN REDUCED BY FIFTY PERCENT. SEDIMENT BASINS AND SEDIMENT TRAPS: REMOVE TRAPPED SEDIMENTS BEFORE DESIGN CAPACITY HAS BEEN REDUCED BY FIFTY PERCENT AND AT COMPLETION OF PROJECT. (Schedule A.9.c.iii and iv)
- 28. WITHIN 24 HOURS, SIGNIFICANT SEDIMENT THAT HAS LEFT THE CONSTRUCTION SITE, MUST BE REMEDIATED. INVESTIGATE THE CAUSE OF THE SEDIMENT RELEASE AND IMPLEMENT STEPS TO PREVENT A RECURRENCE OF THE DISCHARGE WITHIN THE SAME 24 HOURS. ANY IN-STREAM CLEAN UP OF SEDIMENT SHALL BE PERFORMED ACCORDING TO THE OREGON DIVISION OF STATE LANDS REQUIRED TIME FRAME. (Schedule A.9.b.i)
- 29. THE INTENTIONAL WASHING OF SEDIMENT INTO STORM SEWERS OR DRAINAGE WAYS MUST NOT OCCUR. VACUUMING OR DRY SWEEPING AND MATERIAL PICKUP MUST BE USED TO CLEANUP RELEASED SEDIMENTS. (Schedule A.9.b.ii)
- 30. THE ENTIRE SITE MUST BE TEMPORARILY STABILIZED USING VEGETATION OR A HEAVY MULCH LAYER, TEMPORARY SEEDING, OR OTHER METHOD SHOULD ALL CONSTRUCTION ACTIVITIES CEASE FOR 30 DAYS OR MORE. (Schedule A.7.f.i)
- 31. PROVIDE TEMPORARY STABILIZATION FOR THAT PORTION OF THE SITE WHERE CONSTRUCTION ACTIVITIES CEASE FOR 14 DAYS OR MORE WITH A COVERING OF BLOWN STRAW AND A TACKIFIER, LOOSE STRAW, OR ADEQUATE COVERING OF COMPOST MULCH UNTIL WORK RESUMES ON THAT PORTION OF THE SITE. (Schedule A.7.f.ii)
- 32. PROVIDE PERMANENT EROSION CONTROL MEASURES ON ALL EXPOSED AREAS. DO NOT REMOVE TEMPORARY SEDIMENT CONTROL PRACTICES UNTIL PERMANENT VEGETATION OR OTHER COVER OF EXPOSED AREAS IS ESTABLISHED. HOWEVER, DO REMOVE ALL TEMPORARY EROSION CONTROL MEASURES AS EXPOSED AREAS BECOME STABILIZED, UNLESS DOWNSIDE CONFLICTS WITH LOCAL REQUIREMENTS. PROPERLY DISPOSE OF CONSTRUCTION MATERIALS AND WASTE, INCLUDING SEDIMENT RETAINED BY TEMPORARY BMP'S. (Schedule A.7.b.ii(2) and A.8.c.iii)



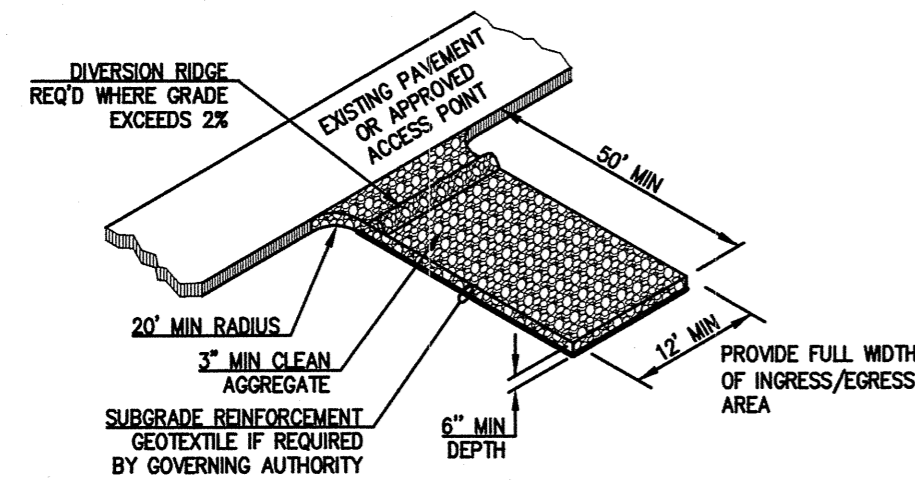
EUGENE SCHOOL DISTRICT
700 HOWARD EUGENE, OREGON
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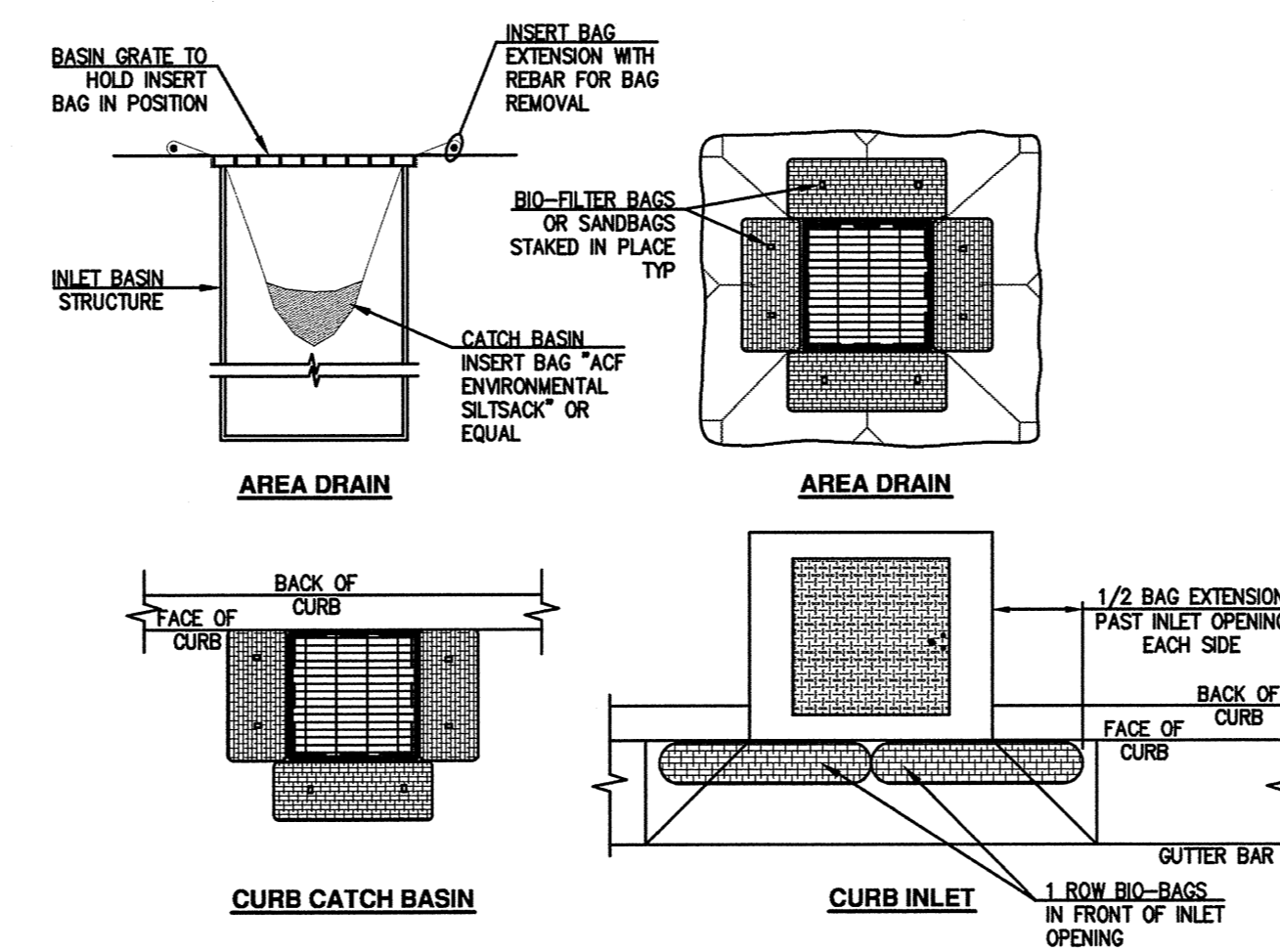
EROSION AND SEDIMENT CONTROL NOTES

PROJECT NO:	1415.00	REVISIONS:	
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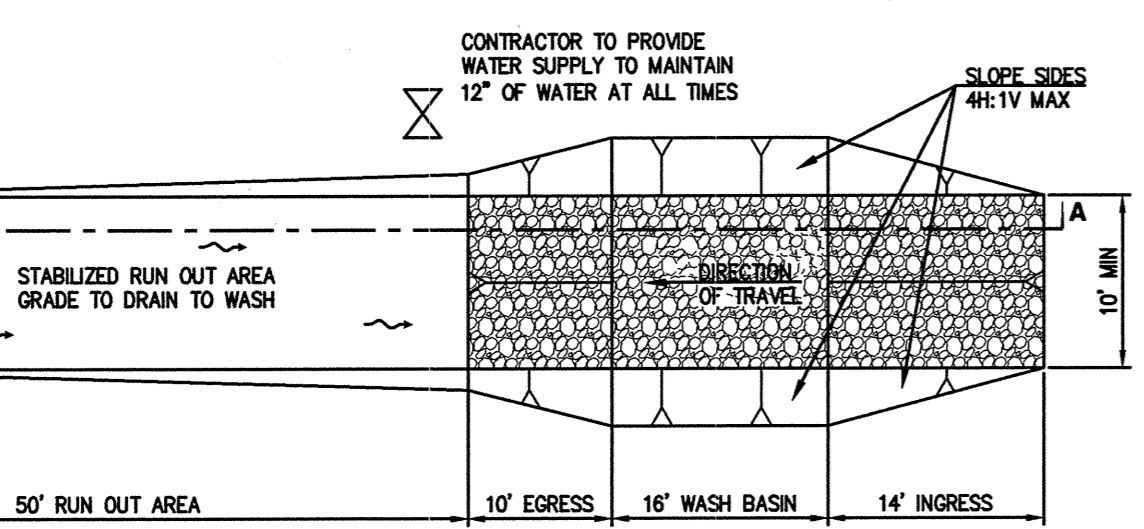
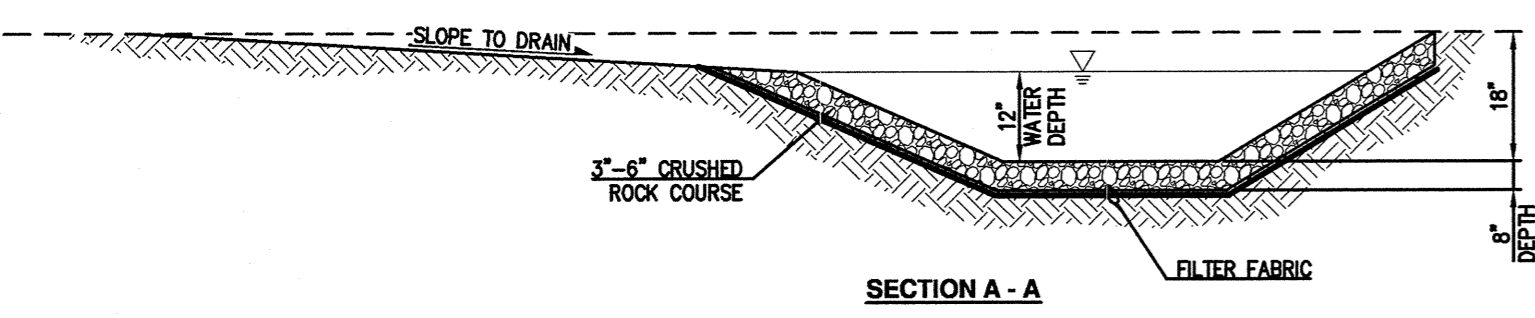


1 STABILIZED CONSTRUCTION ENTRANCE
No Scale



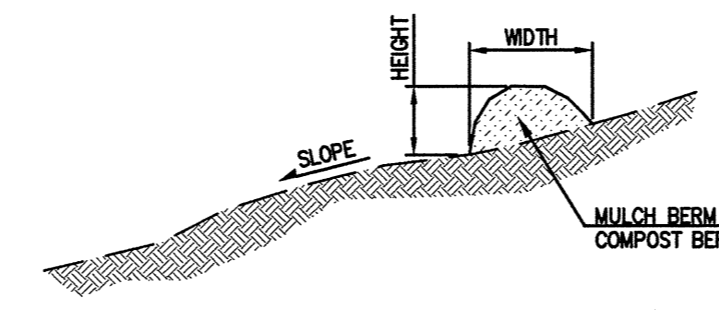
NOTES
1. PRIOR TO 1st PAVEMENT LIFT, REMOVE BIO-BAG/SANDBAG BARRIERS AND INSTALL BASIN INSERT BAG OR CURB INLET SEDIMENT DAM AT ALL INLET STRUCTURES.

4 DRAINAGE INLET STRUCTURE PROTECTION
No Scale



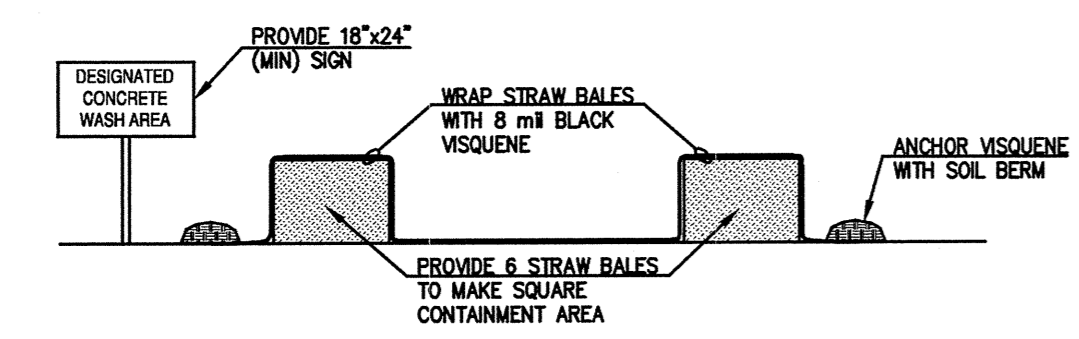
NOTES
1. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE THAT DRAINS IN TO AN APPROVED SEDIMENT TRAP OR BASIN.
2. CONTRACTOR TO REMOVE ACCUMULATED SEDIMENT FROM BOTTOM OF BASIN AND TO ENSURE WASH WATER COLLECTION AND TREATMENT IS FUNCTIONING.

2 TRUCK WHEEL WASH
No Scale

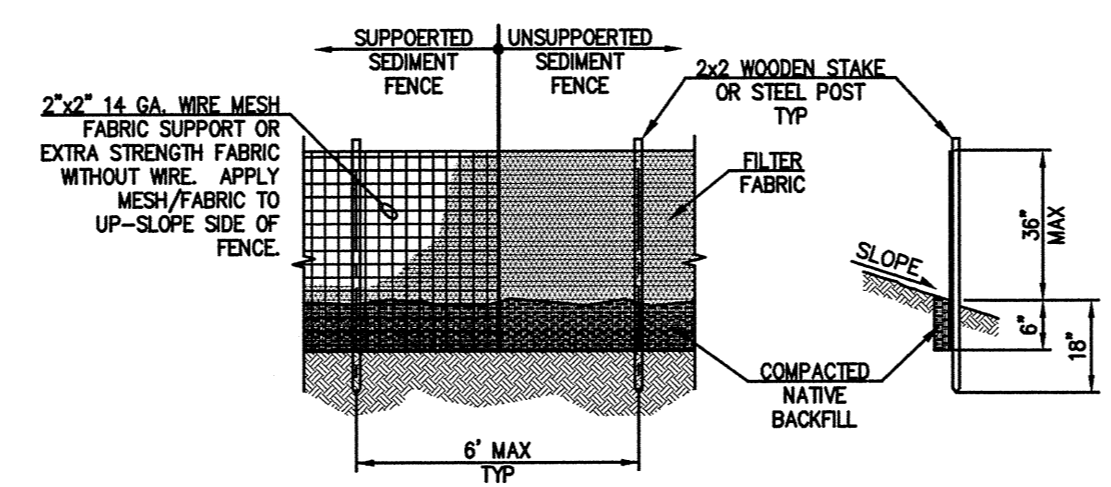


NOTES
1. BERM SIZE: SLOPES LESS THAN 5% - 24"-36" WIDE BY 12"-18" HIGH. SLOPES GREATER THAN 5% - 36"-48" WIDE BY 18"-24" HIGH.
2. COMPOST MULCH SHALL BE MEDIUM-GRADE, MIXED YARD DEBRIS.
3. BARK MULCH SHALL BE STANDARD COMMERCIAL PRODUCT, MEDIUM-COURSE GROUND BARK. BARK SHALL BE GROUND FIR BARK, FREE FROM WEEDS AND SEED.

5 CONTINUOUS BARK/MULCH BIO BERM
No Scale



3 CONCRETE TRUCK WASH AREA
NO SCALE



NOTES
1. MAX GROUND SLOPE (PERPENDICULAR TO FENCE): SUPPORTED FENCE - 1H:1V. UNSUPPORTED FENCE - 4H:1V.
2. SYNTHETIC FILTER FABRIC SHALL CONTAIN ULTRAVIOLET RAY INHIBITORS AND STABILIZERS TO PROVIDE A MINIMUM OF 6 MONTHS OF EXPECTED USABLE CONSTRUCTION LIFE AT A TEMPERATURE RANGE OF 0°F TO 120°F.
3. FILTER FABRIC SHALL BE SPLICED TOGETHER ONLY AT SUPPORT POSTS WITH A MINIMUM OF 6 INCH OVERLAP AND BOTH ENDS SECURED TO POST.
4. CONTINUOUS BIO BERM MAY BE INSTALLED AT UPHILL BASE OF FILTER FABRIC IN LIEU OF BURYING BOTTOM OF FABRIC.
5. USE STAPLES OR WIRE RINGS TO ATTACH FILTER FABRIC TO WIRE SUPPORT FABRIC.

6 SEDIMENT FENCE
No Scale

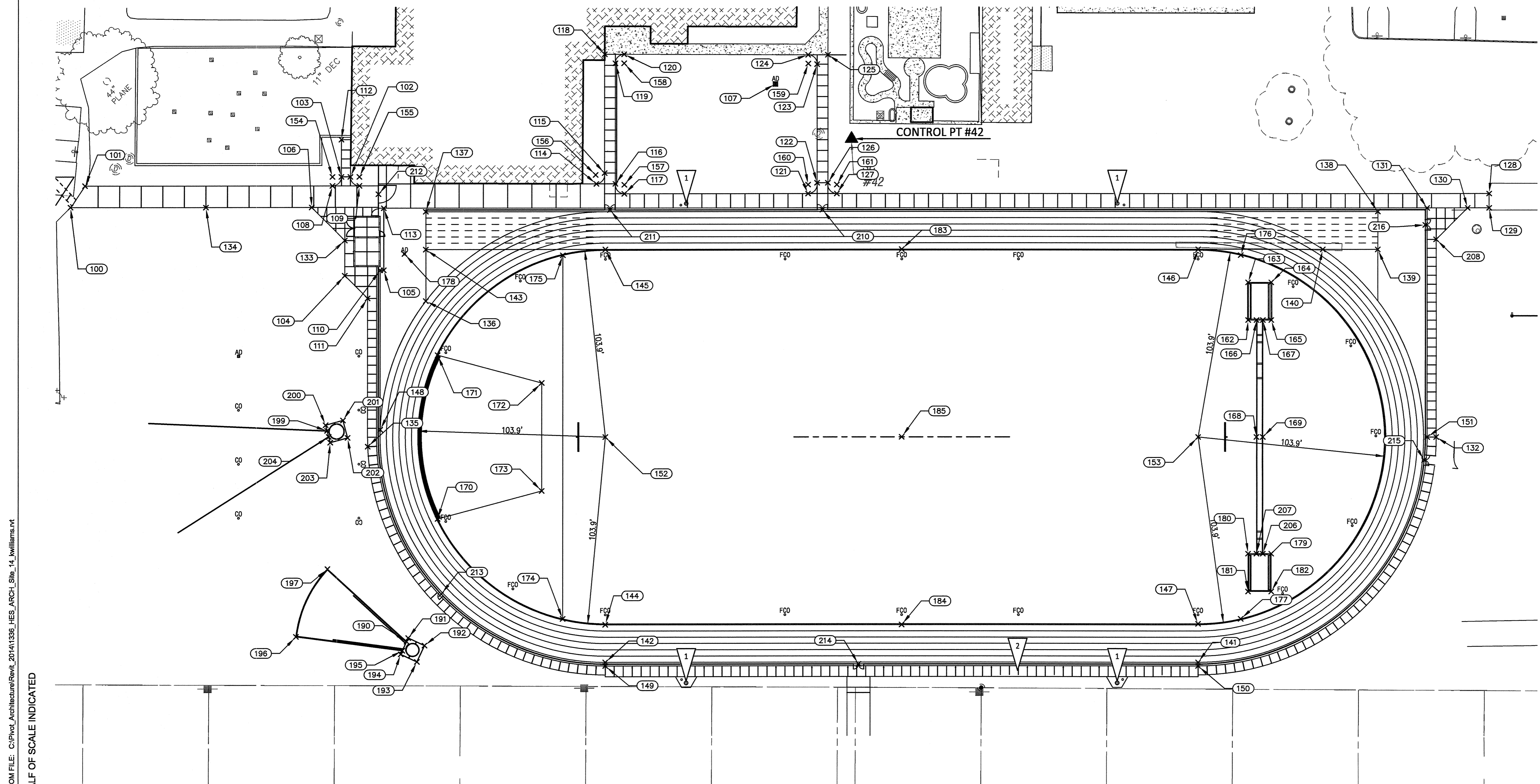
BMP TABLE WITH ESCP IMPLEMENTATION SCHEDULE

BMP'S	YES	NO	IF NO, RATIONALE	YEAR	2014											
					MONTH	6	7	8	9	10	11	12				
RUNOFF CONTROLS																
STABILIZE STREAM BANKS / CONSTRUCT PRIMARY RUNOFF CONTROL MEASURES		X	SEE BELOW													
ENERGY DISSIPATORS		X	SEE BELOW													
RUN-ON DIVERSION		X	SEE BELOW													
TEMPORARY DIVERSION DIKES		X	SEE BELOW													
GRASS-LINED CHANNEL (TURF REINFORCEMENT MATS)		X	SEE BELOW													
TRENCH DRAINS (COLLECTED RUNOFF TO TREATMENT BMP)		X	SEE BELOW													
DROP INLETS		X	SEE BELOW													
CHECK DAMS		X	SEE BELOW													
CLEARING & GRUBBING PRACTICES																
TOP-SOILING		X	SEE BELOW													
TEMPORARY SEEDING & PLANTING		X	SEE BELOW													
PERMANENT SEEDING & PLANTING		X	SEE BELOW							X						
MYCORRHIZAE / BIOFERTILIZERS		X	SEE BELOW													
MULCHES		X	SEE BELOW													
COMPOST BLANKETS		X	SEE BELOW													
EROSION CONTROL BLANKETS & MATS		X	SEE BELOW													
SOIL BINDERS		X	SEE BELOW													
SOIL TACKIFIERS		X	SEE BELOW													
SODDING VEGETATIVE BUFFER STRIPS		X	SEE BELOW													
PROTECTION OF TREES WITH CONSTRUCTION FENCING		X	SEE BELOW					X	X	X	X					
VEGETATIVE EROSION CONTROLS																
LIVE STAKING (STABILIZATION PRACTICE)		X	SEE BELOW													
LIVE FASCINES / BRUSH WATTLES (STABILIZATION)		X	SEE BELOW													
STABILIZATION MATS (STABILIZATION PRACTICE)		X	SEE BELOW													
POLE PLATING (STREAM BANK STABILIZATION)		X	SEE BELOW													
BRUSH BOX (STREAM BANK STABILIZATION)		X	SEE BELOW													
GRASS-LINED CHANNEL (TURF REINFORCEMENT MATS)		X	SEE BELOW													
FASCINES WITH SUB-DRAINS (STREAM BANK STABILIZATION)		X	SEE BELOW													
LIVE POLE DRAINS (STREAM BANK STABILIZATION) (MAY HAVE TO BE REMOVED FOR STABILIZATION)		X	SEE BELOW													
BRUSH PACKING (STREAM BANK STABILIZATION)		X	SEE BELOW													
LIVE GULLY FILL REPAIR (STREAM BANK STABILIZATION)		X	SEE BELOW													
EROSION CONTROL PRACTICES																
SEDIMENT FENCING		X	SEE BELOW													
SAND BAG BARRIER		X	SEE BELOW													
GRAVEL BAG BERM (WITH COMPOST BERM)		X	SEE BELOW													
EARTH DIKES (STABILIZED)		X	SEE BELOW													
DRAINAGE SWALES		X	SEE BELOW													
SUBSURFACE DRAINS - DAYLIGHT TO SURFACE		X	SEE BELOW													
ROCK OUTLET PROTECTION		X	SEE BELOW													
SEDIMENT TRAP		X	SEE BELOW													
ROCK & BUSH FILTERS (STREAM BANK STABILIZATION)		X	SEE BELOW													
COMPOST BERM / COMPOST SOCK		X	SEE BELOW					X	X	X	X					
FIBER ROLLS / STRAW WATTLES		X	SEE BELOW													
EXISTING STORM INLET PROTECTION		X**	SEE BELOW					X	X	X	X					
NEW STORM INLET PROTECTION		X	SEE BELOW													
TEMPORARY / PERMANENT SEDIMENTATION BASINS		X	SEE BELOW													
UNPAVED ROADS GRAVELED OR OTHER BMP ON THE ROAD OR DOWN GRADIENT		X	SEE BELOW					X	X	X	X					
DEWATERING AND PONDED WATER MANAGEMENT		X	SEE BELOW									X	X			
PAVING OPERATIONS CONTROLS		X	SEE BELOW													
TEMPORARY EQUIPMENT BRIDGE		X	SEE BELOW													
BMPs TO PREVENT ILLICIT CONNECTION		X	SEE BELOW													
BMPs TO PREVENT ILLICIT DISCHARGE		X	SEE BELOW													
REUSE & RECYCLE CONSTRUCTION WASTES		X	SEE BELOW													
STABILIZED CONSTRUCTION ENTRANCE		X**	SEE BELOW					X	X	X	X					
CONCRETE WASHOUT AREA		X	SEE BELOW					X	X	X	X					
DUST CONTROL		X	SEE BELOW					X	X	X	X					

X** = MEASURES TO BE INSTALLED PRIOR TO ANY GROUND DISTURBING ACTIVITY

RATIONALE STATEMENT
A COMPREHENSIVE LIST OF AVAILABLE BEST MANAGEMENT PRACTICE (BMP) OPTIONS BASED ON DEQ's 1200-C PERMIT APPLICATION AND ESCP GUIDANCE DOCUMENT HAS BEEN REVIEWED TO COMPLETE THIS EROSION AND SEDIMENT CONTROL PLAN. SOME OF THE ABOVE LISTED BMPs WERE NOT CHOSEN BECAUSE THEY WERE DETERMINED TO NOT EFFECTIVELY MANAGE EROSION PREVENTION AND SEDIMENT CONTROL FOR THIS PROJECT BASED ON SPECIFIC SITE CONDITIONS, INCLUDING SOIL CONDITIONS, TOPOGRAPHIC CONSTRAINTS, ACCESSIBILITY TO THE SITE, AND OTHER RELATED CONDITIONS. AS THE PROJECT PROGRESSES AND THERE IS A NEED TO REVISE THE ESCP, AN ACTION PLAN WILL BE SUBMITTED.

SCALE OF 11 x 17 SHEETS IS HALF OF SCALE INDICATED

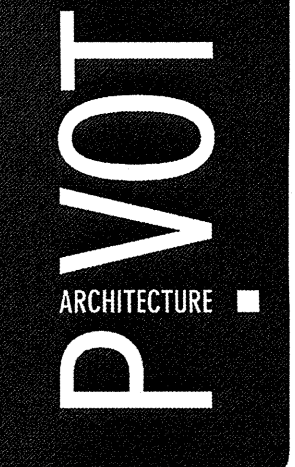


SHEET NOTES

1. REFER TO SHEET C201 FOR GENERAL NOTES AND SURVEY AND CIVIL SYMBOL LEGENDS.
2. REFER TO SHEET C122 FOR ADDITIONAL HORIZONTAL CONTROLS INFORMATION.

CONSTRUCTION NOTES

1. REFER TO ARCHITECTURAL DRAWINGS FOR LIGHT POLE LOCATIONS.
2. REFER TO ARCHITECTURAL DRAWINGS FOR BACK OF SIDEWALK LOCATION AND SIDEWALK REQUIREMENT BETWEEN CONTROL POINTS 149 AND 150.



EUGENE SCHOOL DISTRICT
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HORIZONTAL CONTROL
PLAN

PROJECT NO:	1415.00	REVISIONS:	
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SCALE OF 11 x 17 SHEETS IS HALF OF SCALE INDICATED

HORIZONTAL LAYOUT TABLE			
POINT	NORTHING	EASTING	DESCRIPTION
100	5205.69	5314.42	TW/ME
101	5217.69	5322.51	TW/ME
102	5222.69	5470.21	TW
103	5222.69	5465.21	TW/PT
104	5167.69	5467.09	TW
105	5170.69	5488.76	TW
106	5205.69	5448.69	TW
107	5274.25	5706.77	AD
108	5217.69	5460.21	TW/PRC
109	5217.69	5475.21	TW/PT
110	5170.69	5486.76	TW
111	5155.02	5479.76	TW
112	5243.50	5465.21	TW
113	5205.19	5488.76	TW
114	5218.74	5607.17	TW/PC
115	5224.74	5611.72	TW/PT
116	5218.74	5617.72	TW/PC
117	5213.19	5622.72	TW/PT
118	5290.86	5611.77	TW/ME
119	5285.86	5617.72	TW/PC
120	5290.86	5622.59	TW/PT/ME
121	5213.19	5725.02	TW/PC
122	5219.19	5730.02	TW/PT
123	5285.19	5730.02	TW/PC
124	5290.44	5725.02	TW/PT/ME
125	5290.44	5736.02	TW/ME
126	5219.19	5736.02	TW/PC
127	5213.19	5741.02	TW/PT
128	5213.19	6104.02	TW/ME

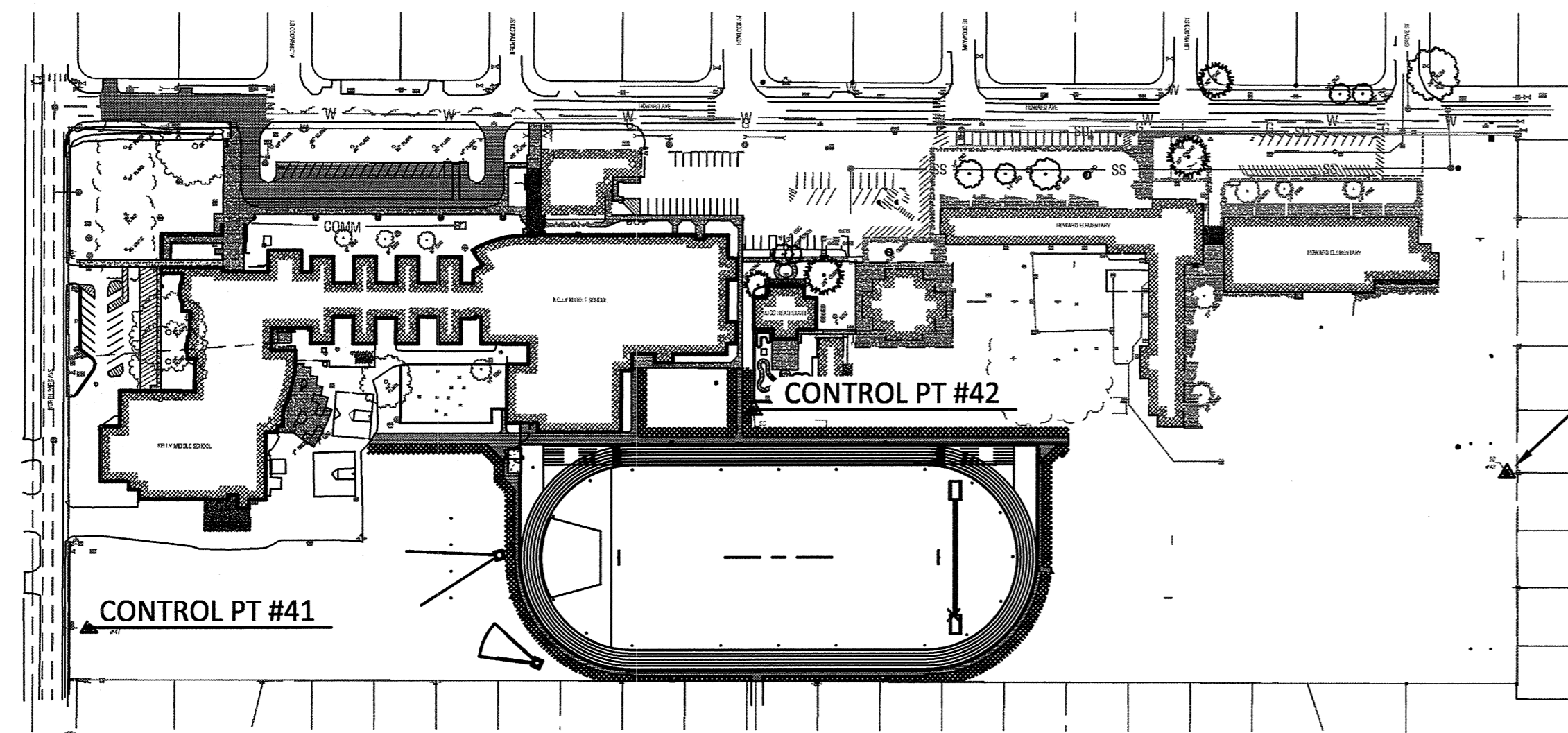
HORIZONTAL LAYOUT TABLE			
POINT	NORTHING	EASTING	DESCRIPTION
129	5205.19	6104.02	TW/ME
130	5205.19	6092.05	TW
131	5205.19	6069.62	TW
132	5077.76	6074.62	TW/PC
133	5187.28	5467.09	TW
134	5205.69	5389.79	TW
135	5072.51	5479.86	TW/PC
136	5153.47	5512.19	PC/TC
137	5203.19	5512.19	TC
138	5203.19	6042.19	TC
139	5182.19	6042.19	TC
140	5182.19	6011.54	PC/TC
141	4952.33	5942.19	PT/TC
142	4952.33	5612.19	PT/TC
143	5182.19	5512.19	TC
144	4973.33	5612.19	PC/TC
145	5182.19	5612.19	PT/TC
146	5182.19	5942.19	PC/TC
147	4973.83	5942.19	PT/TC
148	5081.86	5486.83	TW/PC
149	4950.33	5612.19	TW/PT
150	4950.33	5942.19	TW/PC
151	5077.76	6069.62	TW/PT
152	5077.76	5612.19	TC/RAD = 103.9'
153	5077.76	5942.19	TC/RAD = 103.9'
154	5222.69	5460.21	TW/RAD = 5.0'
155	5222.69	5475.21	TW/RAD = 5.0'
156	5223.72	5606.73	TW/RAD = 5.0'
157	5218.19	5622.72	TW/RAD = 5.0'
158	5285.86	5622.59	TW/RAD = 5.0'

HORIZONTAL LAYOUT TABLE			
POINT	NORTHING	EASTING	DESCRIPTION
159	5285.55	5725.11	TW/RAD = 5.0'
160	5218.19	5725.02	TW/RAD = 5.0'
161	5218.19	5741.02	TW/RAD = 5.0'
162	5142.76	5970.00	LONG JUMP
163	5163.76	5970.00	LONG JUMP
164	5163.76	5982.84	LONG JUMP
165	5142.76	5982.84	LONG JUMP
166	5142.76	5974.67	LONG JUMP
167	5142.76	5978.17	LONG JUMP
168	5077.77	5974.67	TW
169	5077.77	5978.17	TW
170	5032.23	5518.77	TC/TP
171	5123.29	5518.76	TC/TP
172	5107.76	5576.72	TP
173	5047.76	5576.72	TP
174	4976.57	5588.46	TC
175	5178.94	5588.46	TC
176	5178.94	5965.92	TC
177	4976.57	5965.92	TC
178	5179.77	5500.28	AD
179	5012.76	5982.84	LONG JUMP
180	5012.76	5970.00	LONG JUMP
181	4991.76	5970.00	LONG JUMP
182	4991.76	5982.84	LONG JUMP
183	5182.19	5777.19	PC/PT
184	4973.33	5777.19	PC/PT
185	5077.76	5777.19	FIELD CL
190	4963.99	5501.57	SHOT PUT
191	4965.99	5502.50	SHOT PUT
192	4961.76	5511.56	SHOT PUT

HORIZONTAL LAYOUT TABLE			
POINT	NORTHING	EASTING	DESCRIPTION
193	4952.70	5507.34	SHOT PUT
194	4956.93	5498.27	SHOT PUT
195	4958.93	5499.20	SHOT PUT
196	4966.76	5440.01	SHOT PUT
197	5004.30	5457.51	SHOT PUT
199	5081.31	5457.29	DISCUS
200	5084.45	5456.45	DISCUS
201	5087.04	5466.11	DISCUS
202	5077.38	5468.70	DISCUS
203	5074.79	5459.04	DISCUS
204	5077.93	5458.19	DISCUS
206	5012.76	5978.17	LONG JUMP
207	5012.76	5974.67	LONG JUMP
208	5187.76	6074.62	TW
210	5204.19	5733.02	CL GATE
211	5204.19	5614.72	CL GATE
212	5213.00	5485.84	CL GATE
213	4990.43	5520.89	CL GATE
214	4951.33	5753.19	CL GATE
215	5064.99	6067.87	CL GATE
216	5195.76	6068.62	CL GATE

SHEET NOTES

- REFER TO SHEET C201 FOR GENERAL NOTES AND SURVEY AND CIVIL SYMBOL LEGENDS.



CONTROL PT #43

CONTROL POINTS (CP)				
POINT	NORTHING	EASTING	ELEVATION	DESCRIPTION
41	5000.00	5000.00	396.77	SET BRASS CAP
42	5243.69	5749.20	396.19	SET BRASS CAP
43	5172.21	6598.58	395.63	SET BRASS CAP

1 CONTROL POINTS
NO SCALE

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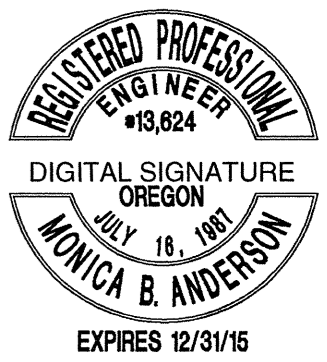
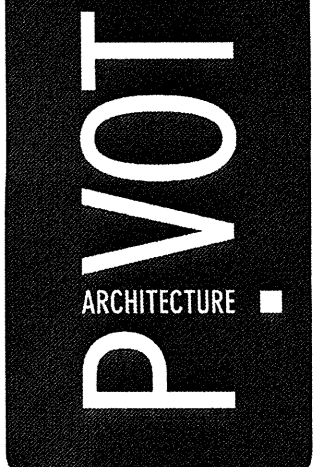
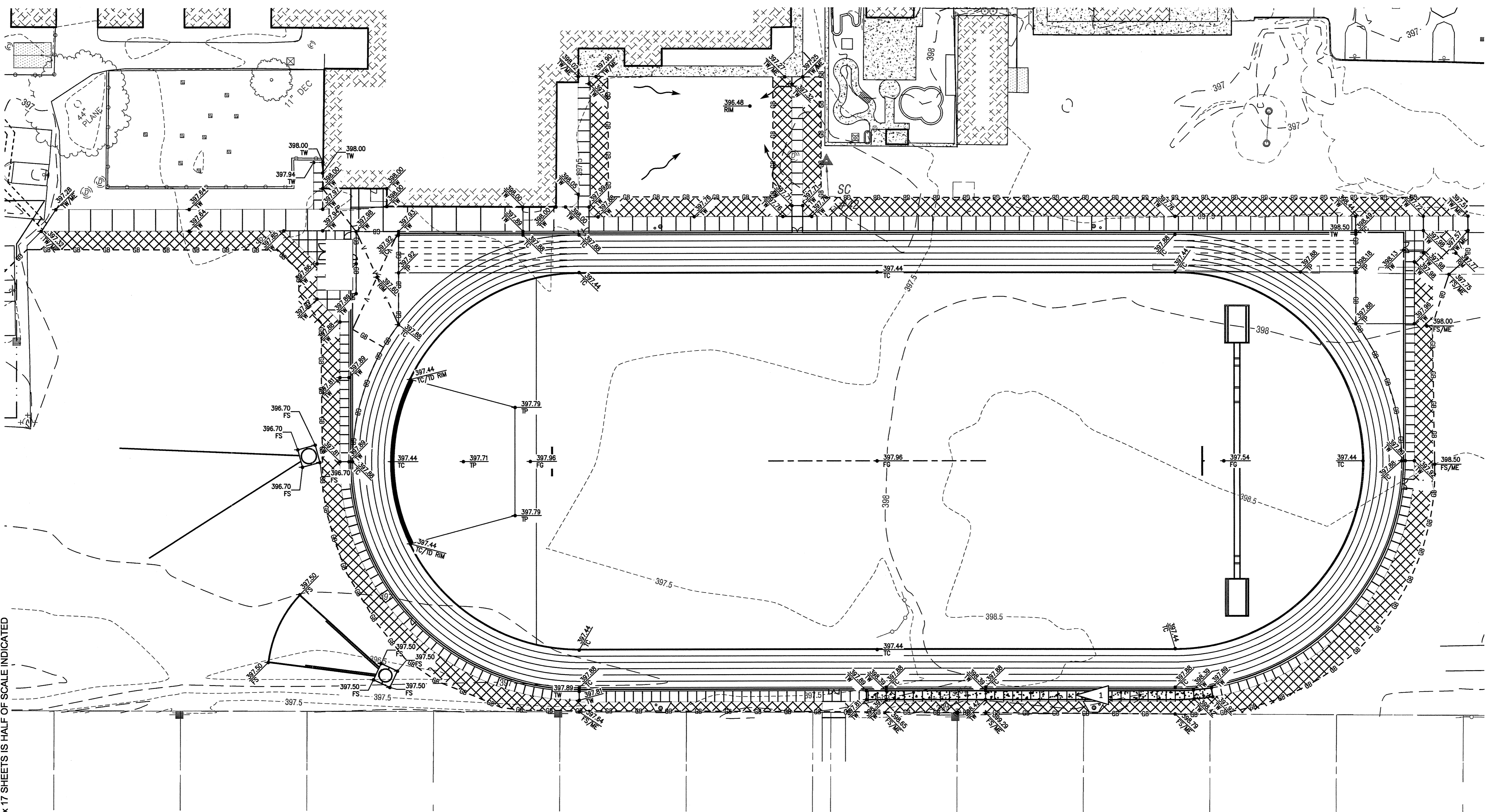
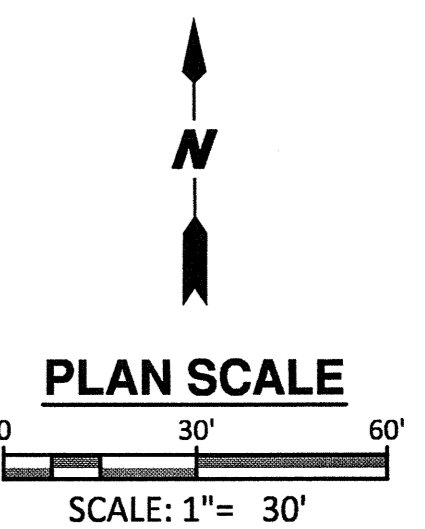
GRADING LEGEND			
SYMBOL	DESCRIPTION	ABBR.	DESCRIPTION
	PROPOSED SPOT ELEVATION	FFE	FINISHED FLOOR ELEVATION
	GRADING VALLEY LINE	FS	FINISHED SURFACE ELEVATION
	GRADE BREAK LINE	ME	MATCH EXISTING ELEVATION
	DRAINAGE FLOW LINE	TC	TOP OF CURB ELEVATION
	GRADE TRANSITION	TW	TOP OF WALK ELEVATION
		TP	TOP OF PAVEMENT
		RIM	TOP OF UTILITY

SHEET NOTES

- REFER TO SHEET C201 FOR GENERAL NOTES AND SURVEY AND CIVIL SYMBOL LEGENDS.
- PROVIDE SMOOTH, UNIFORM GRADE TRANSITIONS TO MATCH EXISTING AT A MAX SLOPE OF 1:20 OR AT LOCATIONS SHOWN.

CONSTRUCTION NOTES

- ZONE OF ELEVATED SIDEWALK. REFER TO ARCHITECTURAL DRAWINGS FOR DETAILS.



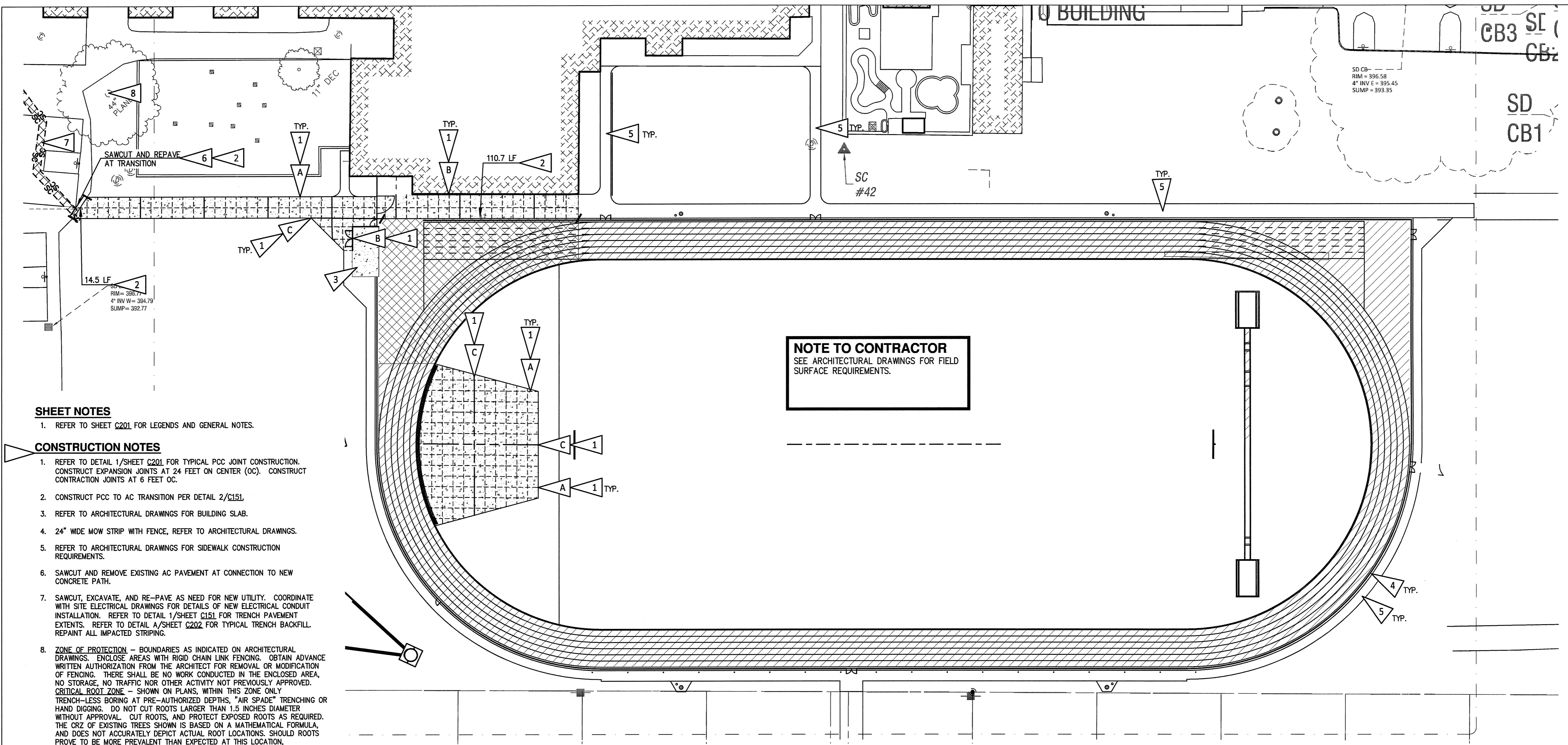
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GRADING PLAN

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SHEET NOTES

- 1. REFER TO SHEET C201 FOR LEGENDS AND GENERAL NOTES.

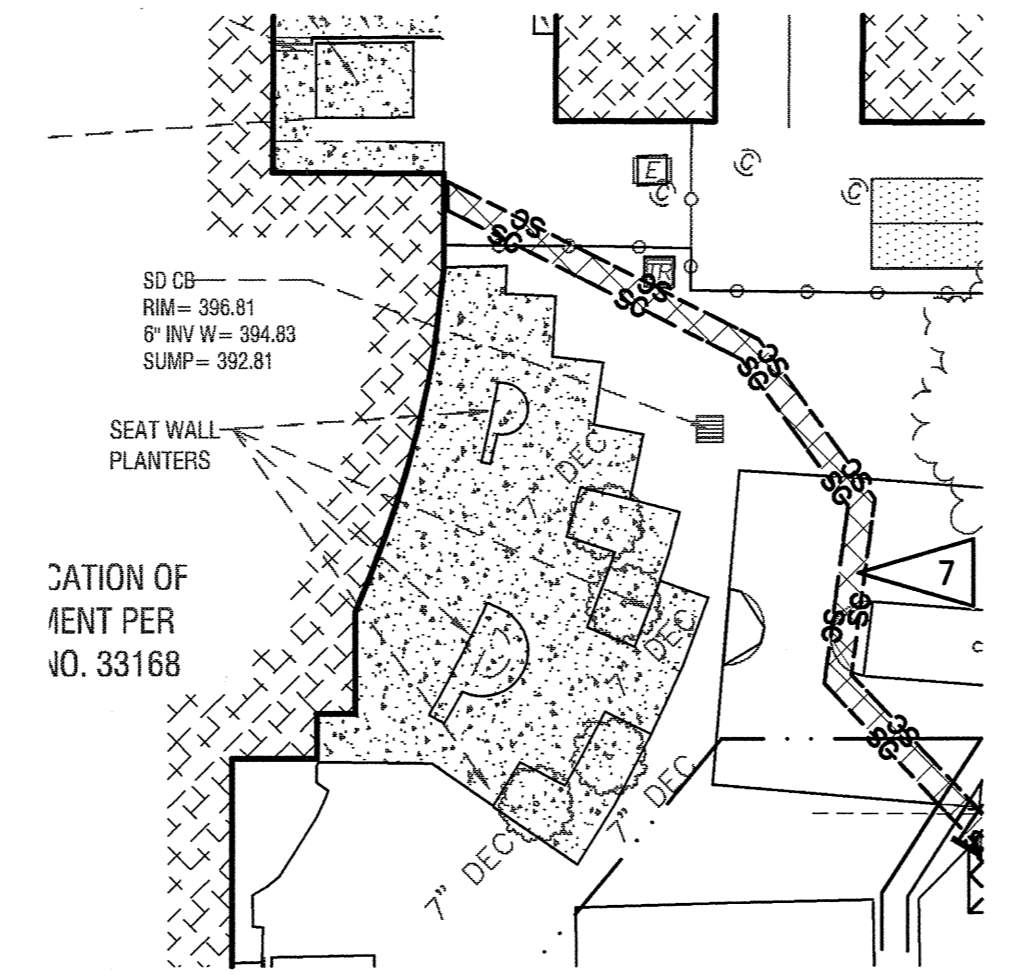
CONSTRUCTION NOTES

- 1. REFER TO DETAIL 1/SHEET C201 FOR TYPICAL PCC JOINT CONSTRUCTION. CONSTRUCT EXPANSION JOINTS AT 24 FEET ON CENTER (OC). CONSTRUCT CONTRACTION JOINTS AT 6 FEET OC.
- 2. CONSTRUCT PCC TO AC TRANSITION PER DETAIL 2/C151.
- 3. REFER TO ARCHITECTURAL DRAWINGS FOR BUILDING SLAB.
- 4. 24" WIDE MOW STRIP WITH FENCE, REFER TO ARCHITECTURAL DRAWINGS.
- 5. REFER TO ARCHITECTURAL DRAWINGS FOR SIDEWALK CONSTRUCTION REQUIREMENTS.
- 6. SAWCUT AND REMOVE EXISTING AC PAVEMENT AT CONNECTION TO NEW CONCRETE PATH.
- 7. SAWCUT, EXCAVATE, AND RE-PAVE AS NEED FOR NEW UTILITY. COORDINATE WITH SITE ELECTRICAL DRAWINGS FOR DETAILS OF NEW ELECTRICAL CONDUIT INSTALLATION. REFER TO DETAIL 1/SHEET C151 FOR TRENCH PAVEMENT EXTENTS. REFER TO DETAIL A/SHEET C202 FOR TYPICAL TRENCH BACKFILL. REPAINT ALL IMPACTED STRIPING.
- 8. ZONE OF PROTECTION - BOUNDARIES AS INDICATED ON ARCHITECTURAL DRAWINGS. ENCLOSE AREAS WITH RIGID CHAIN LINK FENCING. OBTAIN ADVANCE WRITTEN AUTHORIZATION FROM THE ARCHITECT FOR REMOVAL OR MODIFICATION OF FENCING. THERE SHALL BE NO WORK CONDUCTED IN THE ENCLOSED AREA, NO STORAGE, NO TRAFFIC NOR OTHER ACTIVITY NOT PREVIOUSLY APPROVED. CRITICAL ROOT ZONE - SHOWN ON PLANS, WITHIN THIS ZONE ONLY TRENCH-LESS BORING AT PRE-AUTHORIZED DEPTHS, "AIR SPADE" TRENCHING OR HAND DIGGING. DO NOT CUT ROOTS LARGER THAN 1.5 INCHES DIAMETER WITHOUT APPROVAL. CUT ROOTS, AND PROTECT EXPOSED ROOTS AS REQUIRED. THE CRZ OF EXISTING TREES SHOWN IS BASED ON A MATHEMATICAL FORMULA, AND DOES NOT ACCURATELY DEPICT ACTUAL ROOT LOCATIONS. SHOULD ROOTS PROVE TO BE MORE PREVALENT THAN EXPECTED AT THIS LOCATION, CONSTRUCTION ACTIVITY WILL IMPACT THE ZONE TO THE EXTENT THAT THE TREE MAY POTENTIALLY BE REMOVED.

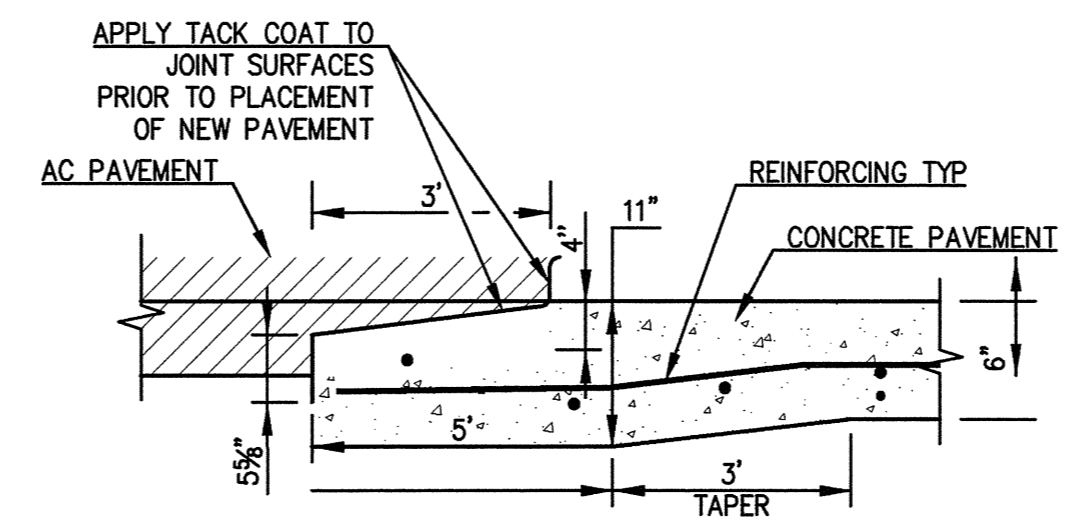
PAVEMENT LEGEND

- VEHICULAR CONCRETE PAVEMENT SECTION**
6" DEPTH 3,000 PSI PCC PAVEMENT WITH #5 REBAR, ASTM A615, GRADE 60 BARS AT 18" ON CENTER EACH WAY UNLESS OTHERWISE NOTED OVER
8" MIN DEPTH ¾"-0 CRUSHED ROCK BASE OVER GEOTEXTILE OVER APPROVED SUBGRADE
- TRACK ASPHALT PAVEMENT SECTION**
2.5" LIFT ½" DENSE AC PAVEMENT OVER 4" MIN DEPTH ¾"-0 CRUSHED ROCK LEVELING COURSE OVER 9" MIN DEPTH 1½"-0 CRUSHED ROCK BASE OVER GEOTEXTILE OVER APPROVED SUBGRADE
- HEAVY TRACK ASPHALT PAVEMENT SECTION**
4" LIFT ½" DENSE AC PAVEMENT OVER 4" MIN DEPTH ¾"-0 CRUSHED ROCK LEVELING COURSE OVER 10" MIN DEPTH 1½"-0 CRUSHED ROCK BASE OVER GEOTEXTILE OVER APPROVED SUBGRADE
- SC — SC — BEGINNING OR END OF CURB TYPE
- SC — SC — PAVEMENT REMOVAL SAWCUT LINE

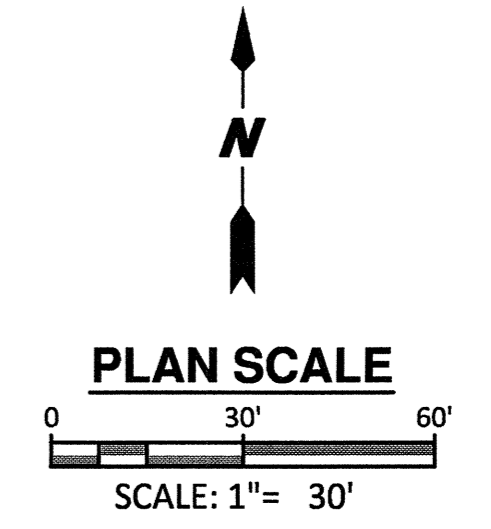
NOTE TO CONTRACTOR
SEE ARCHITECTURAL DRAWINGS FOR FIELD SURFACE REQUIREMENTS.



1 PARKING LOT TRENCH PAVING
1"=30'



2 PCC TO AC TRANSITION
NO SCALE



P.V.O.T.
ARCHITECTURE

REGISTERED PROFESSIONAL ENGINEER #13,824
DIGITAL SIGNATURE OREGON JULY 18, 1981
MONICA B. ANDERSON
EXPIRES 12/31/15

EUGENE SCHOOL DISTRICT
700 HOWARD EUGENE, OREGON

4J KELLY MIDDLE SCHOOL TRACK

PAVING PLAN

PROJECT NO:	1415.00	REVISIONS:	
ISSUE DATE:	05.09.2014	DRAWN:	JAN
		CHECKED:	MBA

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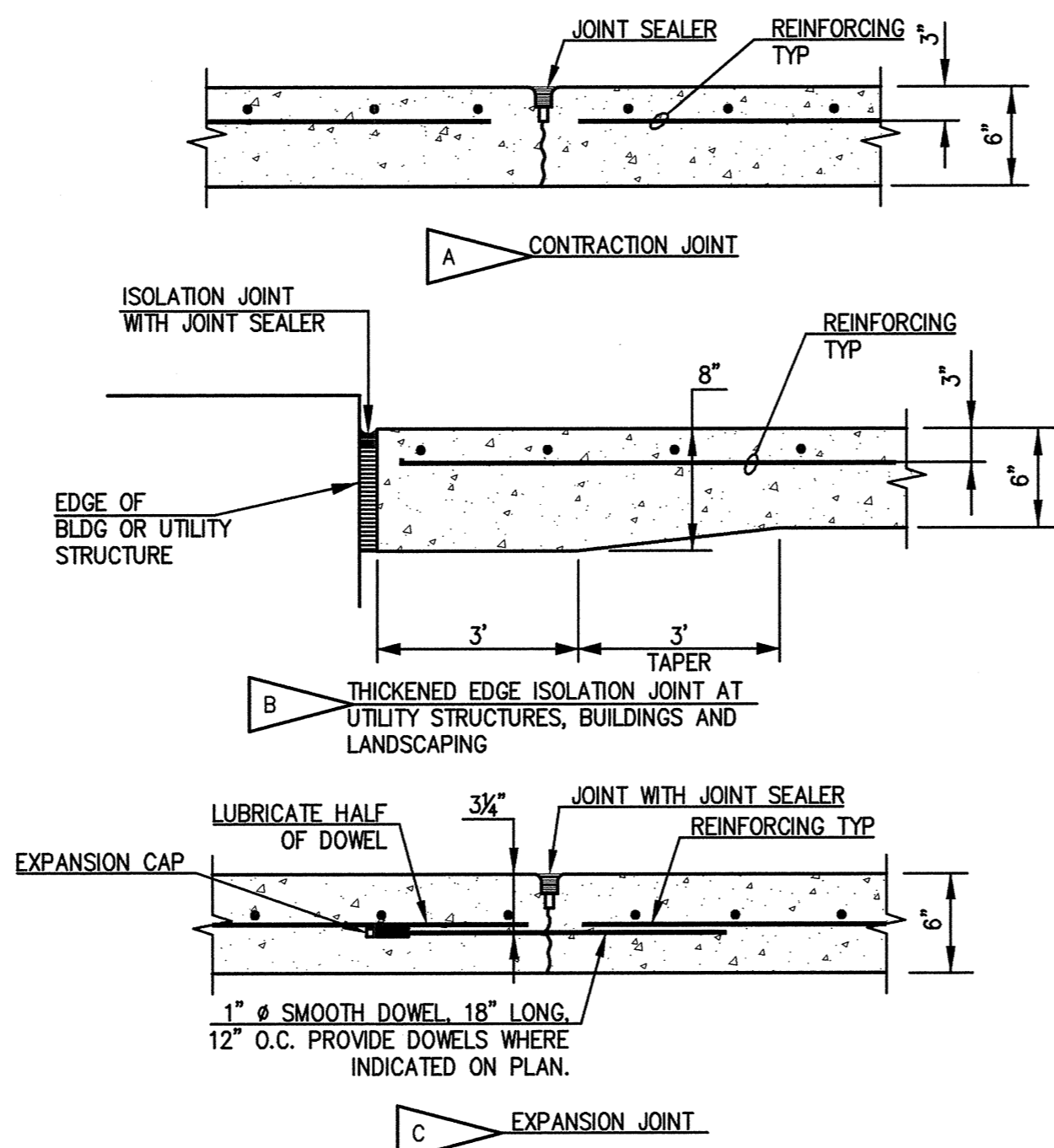
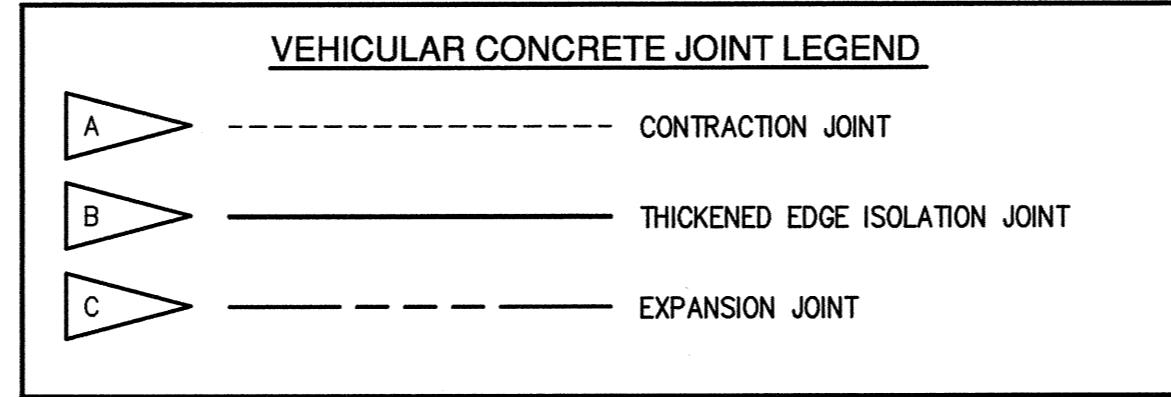
BALZHISER & HUBBARD
ENGINEERS INC.
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P: 541-686-9478
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1001 SW 5TH AVENUE
SUITE 1100 - OFFICE 55
PORTLAND, OR 97204
P: 503-961-6440

GENERAL NOTES:

- EXISTING TOPOGRAPHIC INFORMATION:** FROM SURVEY PREPARED BY BALZHISER & HUBBARD ENGINEERS - SURVEYORS, TITLED "TOPOGRAPHIC SURVEY FOR 4J SCHOOL DISTRICT: HOWARD MIDDLE & KELLEY ELEMENTARY SCHOOL CAMPUS". DATED 9/18/13.
- BASIS OF BEARING:** THIS SURVEY IS BASED UPON THE OREGON COORDINATE REFERENCE SYSTEM, EUGENE ZONE. ALL DISTANCES ARE GROUND DISTANCES AND ARE EXPRESSED IN INTERNATIONAL FEET. SEE SURVEY METADATA FOR MORE INFORMATION.
- COORDINATE SYSTEM TRANSLATION:** THE SURVEY FILE HAS BEEN TRANSLATED FROM BHE'S SURVEY CONTROL POINT No. 41 TO A LOCAL DATUM PLAN COORDINATE OF 5000, 5000.
- BASIS OF ELEVATION:** THE BENCHMARK USED FOR THIS SURVEY WAS CITY OF EUGENE BENCHMARK RR0899 WITH A PUBLISHED ELEVATION OF 395.68' (NAVD 88 DATUM).
- THE CONTRACTOR SHALL LOCATE AND MARK ALL EXISTING PROPERTY AND STREET MONUMENTS PRIOR TO CONSTRUCTION. ANY MONUMENTS DISTURBED DURING CONSTRUCTION OF THE PROJECT SHALL BE REPLACED BY A REGISTERED LAND SURVEYOR AT THE CONTRACTOR'S EXPENSE. THE MONUMENTS SHALL BE REPLACED WITHIN A MAXIMUM OF 90 DAYS, AND THE COUNTY SURVEYOR SHALL BE NOTIFIED IN WRITING AS REQUIRED BY ORS 209.150.
- LOCATIONS OF EXISTING UTILITIES ARE ASSUMED FROM INFORMATION AVAILABLE AND ARE NOT GUARANTEED TO BE COMPLETE AND ACCURATE. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE LOCATION OF EXISTING UTILITIES.
- CONTRACTOR SHALL NOTIFY EACH UNDERGROUND UTILITY PRIOR TO EXCAVATING, BORING, OR POTHOLING. **ATTENTION:** OREGON LAW REQUIRES THE CONTRACTOR TO FOLLOW RULES ADOPTED BY THE OREGON UTILITY NOTIFICATION CENTER. THOSE RULES ARE SET FORTH IN O.A.R. 952-001-0010 - 952-001-0090. THE CONTRACTOR MAY OBTAIN COPIES OF THE RULES BY CALLING THE CENTER. (NOTE: THE TELEPHONE NUMBER FOR THE OREGON UTILITY NOTIFICATION CENTER IS 1-800-332-2344)
- CONTRACTOR SHALL MAKE THE NECESSARY ARRANGEMENTS AND COMPLY WITH REQUIREMENTS AND SPECIFICATIONS OF ANY RESPECTIVE UTILITY COMPANY FOR UTILITIES TO BE CUT, MOVED, RELOCATED, OR RE-CONNECTED TO AN EXISTING FACILITY.
- CONTRACTOR IS RESPONSIBLE FOR COORDINATING WITH ANY SERVING UTILITY COMPANY INSTALLING UTILITIES ON SITE. CONSTRUCTION OF OTHER UTILITIES MAY OCCUR AT SAME TIME ON SITE.
- QUANTITIES SHOWN ARE FOR THE PURPOSE OF IDENTIFYING LENGTHS. ACTUAL QUANTITIES MAY VARY. CONTRACTOR TO PROVIDE QUANTITIES NEEDED FOR LAYOUT OF SYSTEM.
- CONTRACTOR SHALL PROVIDE AND INSTALL FITTINGS AS REQUIRED TO COMPLETE PIPE CONNECTIONS AND TRANSITIONS PER PLAN, AND TO CONFORM TO TRENCHING REQUIREMENTS AND SITE GRADES.
- CURB QUANTITIES SHOWN ARE FOR THE PURPOSE OF IDENTIFYING CURB TYPES. ACTUAL QUANTITIES MAY VARY. CONTRACTOR TO PROVIDE QUANTITIES NEEDED FOR LAYOUT SHOWN.
- MANHOLE AND CLEANOUT RIM ELEVATIONS ARE APPROXIMATE. FINAL ELEVATIONS MAY VARY AND SHALL MATCH FINISHED ELEVATIONS OF ADJACENT SURFACES.
- COORDINATE FINAL ROOF DRAIN/DOWNSPOUT LOCATIONS AND ELEVATIONS WITH ARCHITECTURAL/MECHANICAL DRAWINGS. COORDINATE FOOTING DRAIN LOCATIONS AND ELEVATIONS WITH ARCHITECTURAL/STRUCTURAL DRAWINGS AND DETAILS.
- TRACER WIRE SHALL ENTER ALL MANHOLE, CATCH BASIN, INLET, CLEANOUT STRUCTURES. EXTEND TRACER WIRE INTO STRUCTURE FAR ENOUGH TO PROVIDE ADEQUATE FREE WIRE TO EXTEND END OF WIRE 24" ABOVE/OUTSIDE OF STRUCTURE TO FACILITATE TESTING. COIL AND SECURE TRACER WIRE WITHIN EASY REACH OF STRUCTURE OPENING. VERIFY WIRE IS CLEAR OF ALL FILL MATERIAL IN CLEANOUT AND VALVE BOX STRUCTURES.
- CAP AND MARK ALL STORM PIPE ENDS WITH A 2"x4" BOARD STUCK IN GROUND. END OF BOARD SHALL BE PAINTED WHITE AND EXTEND MINIMUM 18" ABOVE GROUND SURFACE.
- WATER PIPES CROSSING SANITARY SEWER AND/OR STORM DRAINAGE PIPING:** WATER PIPES CROSSING SEWER OR DRAINAGE PIPING CONSTRUCTED OF CLAY OR MATERIALS THAT ARE NOT APPROVED FOR USE WITHIN A BUILDING SHALL BE LAID A MINIMUM OF 12" ABOVE THE SEWER OR DRAIN PIPE. WHERE MINIMUM SEPARATION CANNOT BE MET, SANITARY SEWER AND/OR STORM DRAIN LINE SHALL BE CONSTRUCTED OF MATERIAL APPROVED FOR USE UNDER BUILDINGS, WITH A FULL LENGTH OF PIPE CENTERED AT THE CROSSING POINT, AND EXTENDING 10' MIN EACH SIDE OF CROSSING.
- REFER TO SHEET C101, EROSION AND SEDIMENT CONTROL PLAN, FOR EROSION SEDIMENT CONTROL MEASURES AND ADDITIONAL CONSTRUCTION REQUIREMENTS.
- CONTRACTOR SHALL INCLUDE DEMOLITION OF EXISTING PRIVATE STORM DRAIN, SANITARY SEWER, AND WATER UTILITIES. REMOVE EXISTING STRUCTURES WHERE ENCOUNTERED. CUT AND CAP EXPOSED ENDS OF EXISTING PIPES ENCOUNTERED. (ABANDON EXISTING PIPE IN PLACE).

CIVIL SYMBOLS AND ABBREVIATIONS LIST

SYMBOL	ABBR.	DESCRIPTION	SYMBOL	ABBR.	DESCRIPTION	SYMBOL	ABBR.	DESCRIPTION	SYMBOL	ABBR.	DESCRIPTION
	SD	STORM DRAIN WITH SIZE		MH	MANHOLE STRUCTURE		AC	ASPHALT CONCRETE		PRC	POINT OF REVERSE CURVATURE
	PERF	STORM DRAIN PERF PIPE WITH SIZE		CB	SINGLE CHAMBER CATCH BASIN		APPX	APPROXIMATE		PT	POINT OF TANGENCY
	FD	BUILDING FOUNDATION DRAIN		AD	AREA DRAIN (ROUND OR SQUARE)		BLDG	BUILDING		PTC	POINT OF TANGENT CURVATURE
	FRD	FRENCH DRAIN		DD	DECK DRAIN		CONC	CONCRETE		PVMT	PAVEMENT
	TD	TRENCH DRAIN		TD	TRENCH DRAIN CONNECTION/CATCH BASIN		CONST	CONSTRUCT		R=	RADIUS=
	SL	SLOTTED DRAIN		CO	STANDARD CLEANOUT		DIA	DIAMETER		RD	ROOF DRAIN
	-	PIPE WITH FLOW DIRECTION ARROW		VCO	VERTICAL DROP CLEANOUT		DS	DOWNSPOUT		REQD	REQUIRED
	E	ELECTRICAL POWER SERVICE		BWV	BACKWATER VALVE		ELEV	ELEVATION		RIM	STRUCTURE RIM ELEVATION
	IRR	IRRIGATION LINE		-	PIPE TERMINATION (PLUG & MARK)		EX	EXISTING		S=	SLOPE=
	450	CONTOUR MAJOR - PROPOSED		DET	DETAIL REFERENCE - DETAIL # OVER SHEET #		FFE	FINISHED FLOOR ELEVATION		STD	STANDARD
	453	CONTOUR MINOR - PROPOSED		-	CONSTRUCTION NOTE WITH REFERENCE NUMBER		FL	FLOWLINE		SW	SIDEWALK
	R	GRADING RIDGE LINE		-	SECTION REFERENCE - SECTION # OVER SHEET #		FS	FINISHED SURFACE ELEVATION (LANDSCAPE AREAS)		TC	TOP OF CURB ELEVATION
	V	GRADING VALLEY LINE					HORIZ	HORIZONTAL		THK	THICK OR THICKNESS
	LMT	LIMITS OF CONSTRUCTION					LF	LINEAR FEET		TP	TOP OF PAVEMENT ELEVATION
	SC	PAVEMENT REMOVAL SAWCUT LINE					MAX	MAXIMUM		TW	TOP OF WALK ELEVATION
							ME	MATCH EXISTING		TWALL	TOP OF WALL ELEVATION
							MIN	MINIMUM		TYP	TYPICAL
							PC	POINT OF CURVE		UTIL	UTILITY
							PCC	PORTLAND CEMENT CONCRETE/POINT OF COMPOUND CURVATURE		VERT	VERTICAL

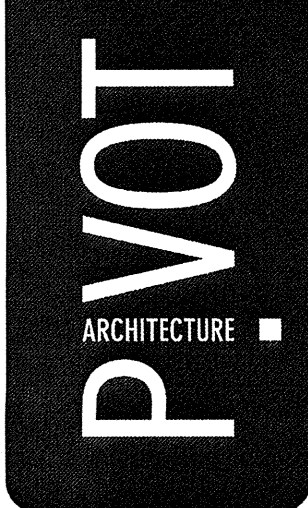


- NOTES**
- ALL JOINTS ARE CONTRACTION JOINTS, UNLESS OTHERWISE NOTED.
 - USE THICKENED EDGE JOINT AT PCC PAVEMENT END AND AROUND ALL STRUCTURES.
 - MIX DESIGN AND MATERIALS TO BE APPROVED BY ENGINEER.
 - PROVIDE TIED CONSTRUCTION JOINT AT END OF SUCCESSIVE POURS.

1 VEHICULAR CONCRETE JOINTING DETAILS
NOT TO SCALE

SURVEY LEGEND

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	WATER VALVE	COMM	COMMUNICATIONS
	WATER METER	CMP	CORRUGATED METAL PIPE
	IRRIGATION VALVE	ELEC	ELECTRIC
	WATER VAULT	SS	SANITARY SEWER
	BACK FLOW PREVENTER	AD SQ	SQUARE AREA DRAIN
	FIRE HYDRANT	SD	STORMWATER
	FIRE DEPARTMENT CONNECTION		GAS METER
	AREA DRAIN (SQUARE)		GAS VALVE
	STORM DRAIN MANHOLE		SEWER MANHOLE
	UTILITY POLE		CLEANOUT
	GUY ANCHOR		METAL POST
	LIGHT POLE		SET PERMANENT SITE CONTROL (SC)
	LIGHT POLE WITH ARM		REFER TO DETAIL AND BENCHMARK TABLE
	ELECTRIC METER		FOUND CITY BENCHMARK (BM)
	ELECTRIC RISER		PROPERTY LINE
	ELECTRIC TRANSFORMER		DENOTES BUILDING OVERHEAD
	ELECTRIC VAULT		EASEMENT LINE
	TELEPHONE RISER		1.0' CONTOUR INTERVAL
	TELEPHONE VAULT		0.5' CONTOUR INTERVAL
	HEAT PUMP		HATCH DENOTES BUILDING
	JUNCTION BOX		HATCH DENOTES BUILDING OVERHANG
	ARBORVITAE		HATCH DENOTES ASPHALT PAVEMENT
	METAL BASKETBALL HOOP POLE		HATCH DENOTES CONCRETE
	SIGN		HATCH DENOTES GRAVEL
	BOLLARD		PAVEMENT PAINT STRIPE
	WOOD POST		CHAIN LINK FENCE
	FLAG POLE		UNDERGROUND WATER LINE
	POLE		UNDERGROUND STORM DRAIN LINE
	MAIL BOX		UNDERGROUND SANITARY SEWER LINE
	ADA PARKING		UNDERGROUND GAS LINE
	CONIFEROUS TREE		UNDERGROUND COMM LINE
	BROADLEAF TREE		OVERHEAD COMBINED UTILITY LINE



EUGENE SCHOOL DISTRICT
700 HOWARD EUGENE, OREGON
KELLY MIDDLE SCHOOL TRACK

CIVIL DETAILS, GENERAL NOTES, AND LEGENDS

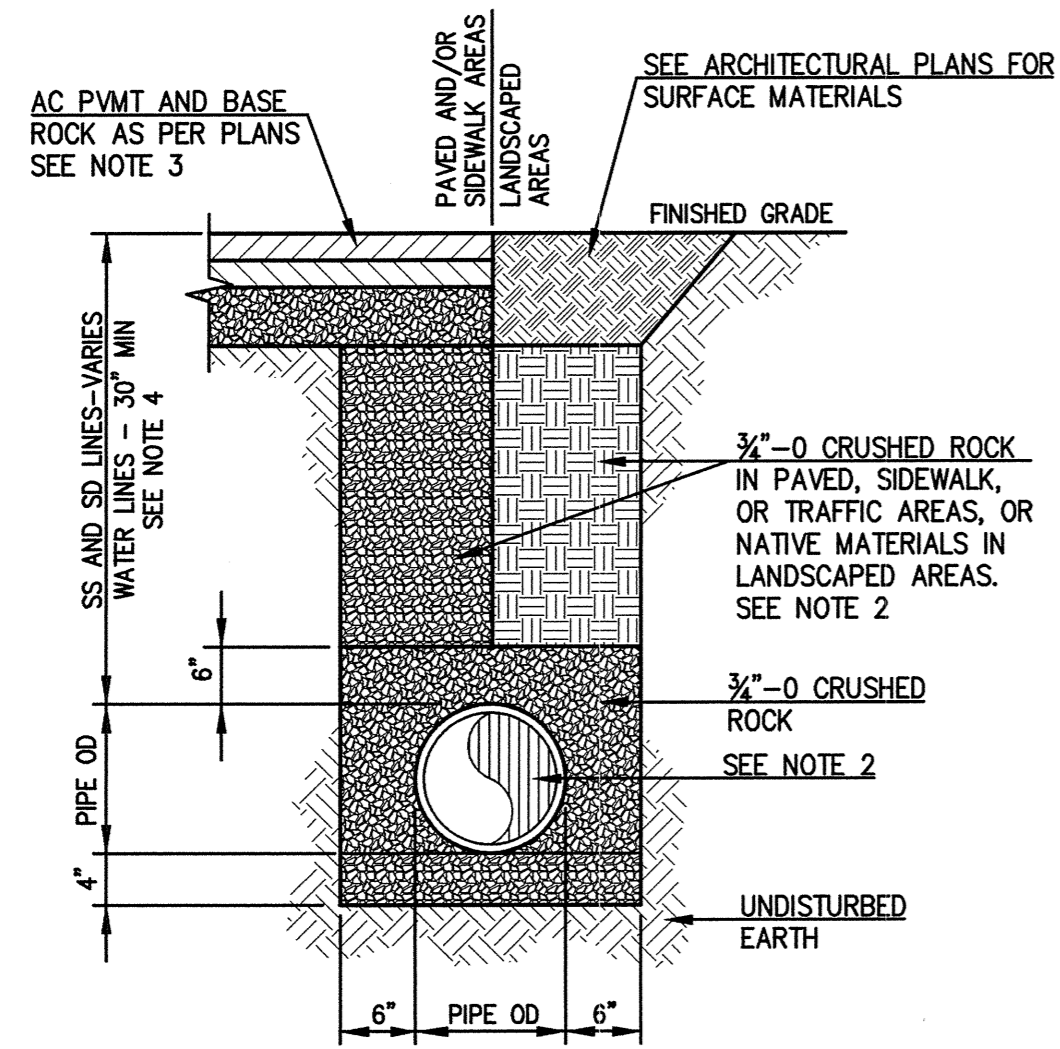
PROJECT NO: 1415.00 REVISIONS:
ISSUE DATE: 05-09-2014
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CHECKED: MBK

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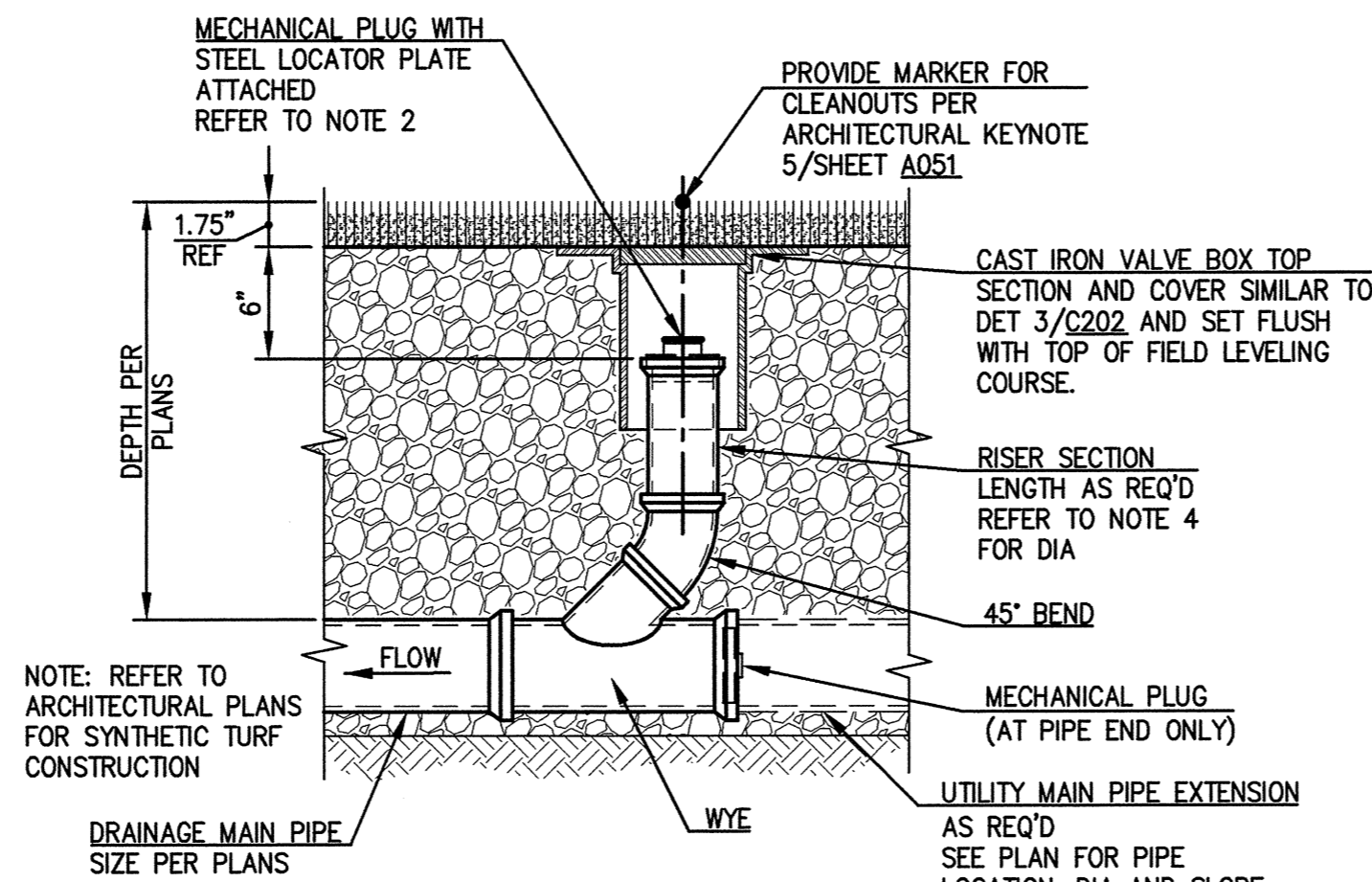
SCALE OF 11 x 17 SHEETS IS HALF OF SCALE INDICATED



- NOTES**
1. WATER LINES THAT PARALLEL SANITARY SEWER LINES SHALL BE LOCATED A MINIMUM OF 12" ABOVE SEWER LINES, WHERE SERVICES ARE NOT HORIZONTALLY SEPARATED BY 10'.
 2. WITHIN 5' OF A BUILDING STRUCTURE, BUILDING CODE APPROVED PIPE MATERIAL AND 3/4"-0 CRUSHED ROCK BACKFILL SHALL BE USED.
 3. SAWCUT, REMOVE AND REPAIR EXISTING SURFACES TO MATCH EXISTING ASPHALT, CONCRETE, OR LANDSCAPING IN AREAS WHICH DO NOT RECEIVE NEW IMPROVEMENTS. PROVIDE 4" MIN DEPTH ASPHALT PAVEMENT, 4" MIN DEPTH CONCRETE PAVEMENT, OR MATCH EXISTING PAVEMENT DEPTH, WHICHEVER IS GREATER.
 4. 36" MINIMUM FOR FIRE SERVICE PIPES UNDER AREAS TRAFFICKED BY VEHICLES. (NFPA 24, 10-4)
 5. INSTALL TRACER WIRE ON ANY PIPELINE(S) CONSTRUCTED OF NON-METALLIC PIPE MATERIAL.

1 TYPICAL TRENCHING & BACKFILL SECTION

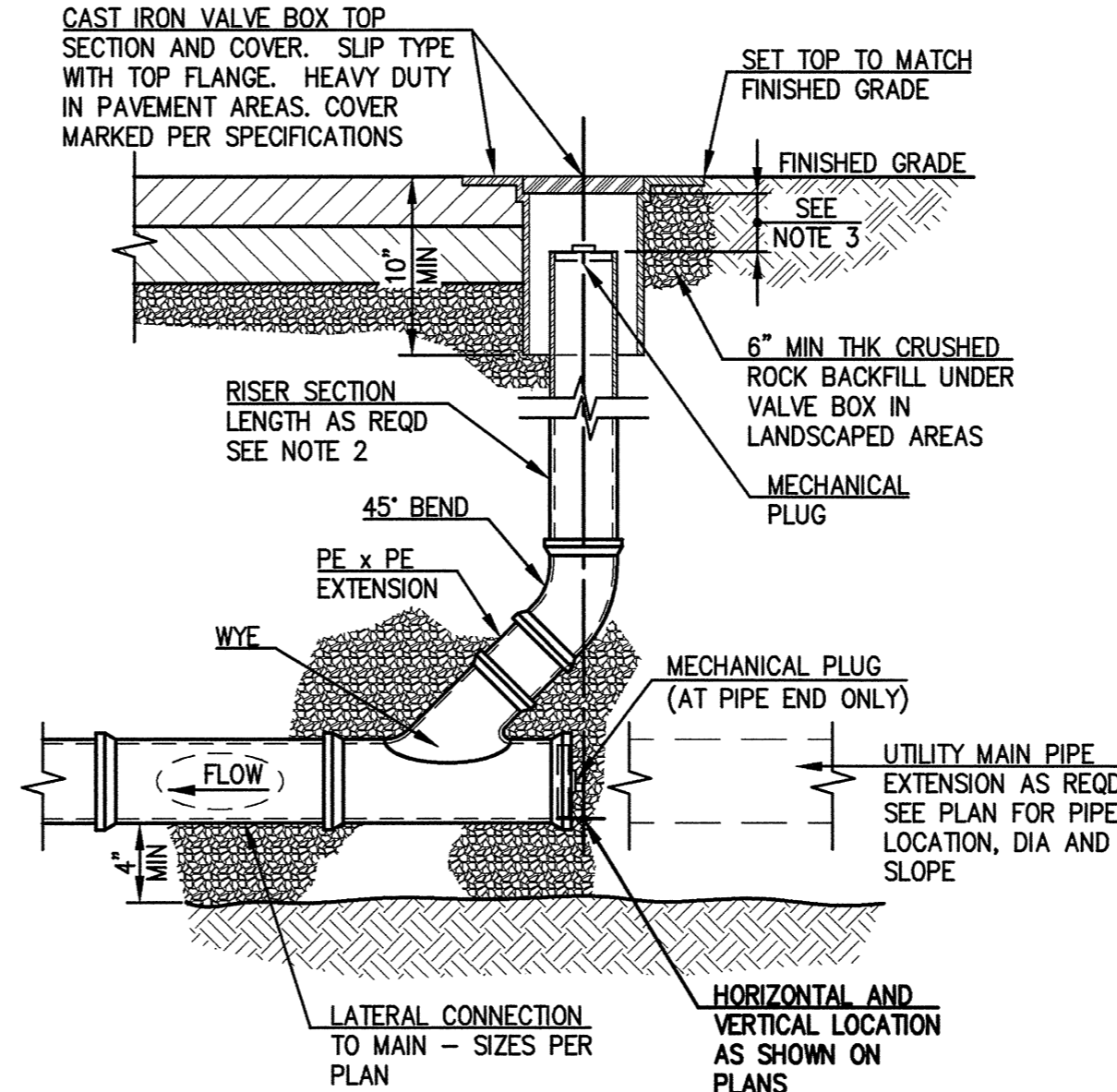
NO SCALE



- NOTES**
1. TRACER WIRE SHALL TERMINATE AT CLEANOUT. PROVIDE ENOUGH FREE WIRE TO EXTEND 24" ABOVE FINISHED GRADE TO FACILITATE TESTING. VERIFY FREE END OF WIRE IS WITHIN EASY REACH OF OPENING IN TOP SECTION.
 2. LOCATOR PLATE - 1/2" THICK STEEL PLATE, 2 1/2" MINIMUM DIAMETER, PERMANENTLY FASTENED TO EXTERIOR OF CLEANOUT PLUG.
 3. COORDINATE WITH SYNTHETIC FIELD INSTALLER FOR CLEANOUT ACCESS THROUGH SYNTHETIC SURFACE.
 4. RISER PIPE SIZE:
4", 6", & 8" DIA MAIN - 4" DIA RISER PIPE
10" DIA & LARGER MAIN - 6" DIA RISER PIPE
 5. ADJUST END OF RISER PIPE TO MAINTAIN 3" MIN. AND 6" MAX. CLEARANCE BETWEEN END PIPE AND BOTTOM OF VALVE BOX LID.

2 SYNTHETIC FIELD DRAIN CLEANOUT (FCO)

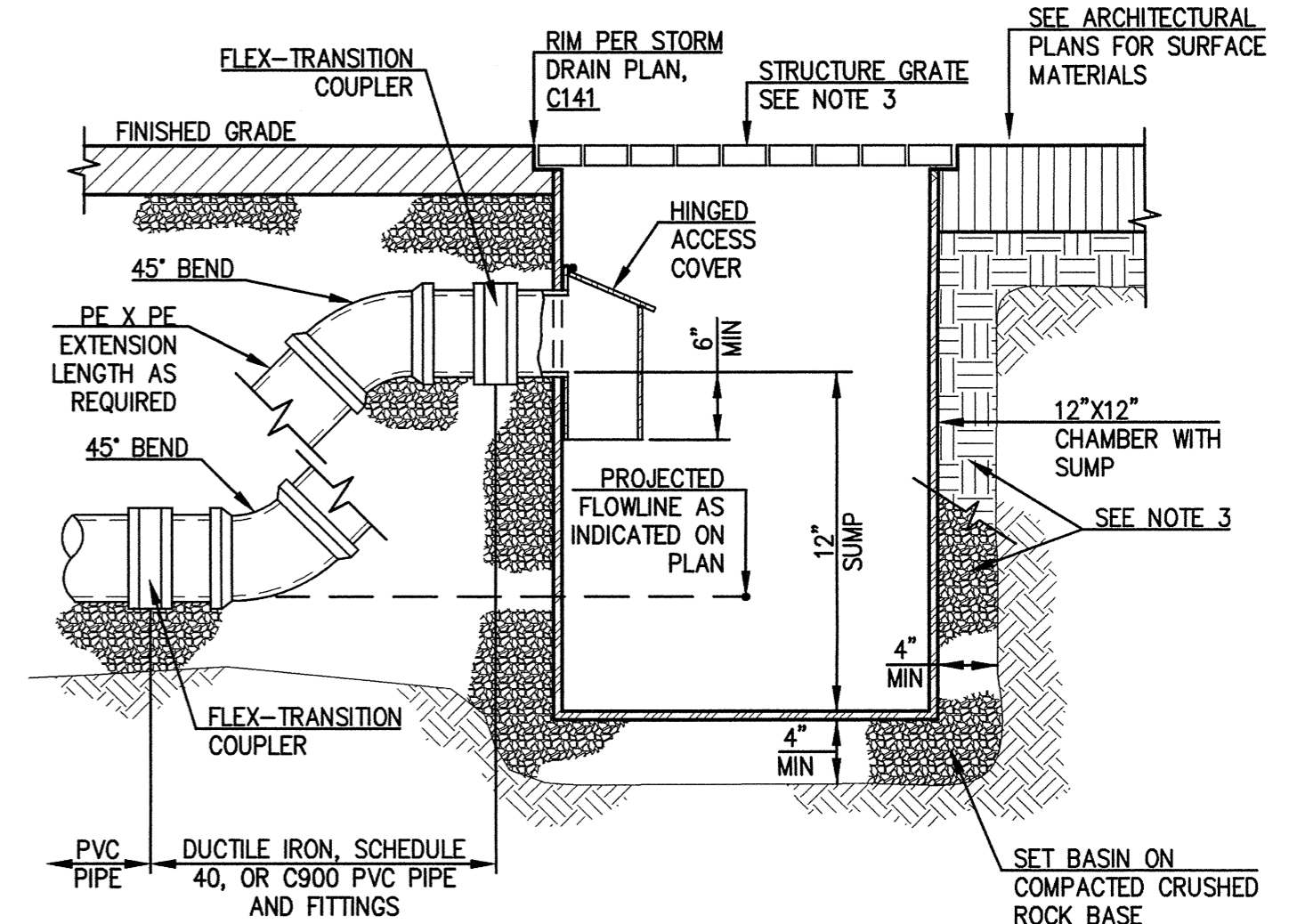
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- NOTES**
1. TRACER WIRE SHALL ENTER STRUCTURE WITH RISER PIPE. PROVIDE ENOUGH FREE WIRE TO EXTEND 24" ABOVE FINISHED GRADE TO FACILITATE TESTING. VERIFY FREE END OF WIRE IS WITHIN EASY REACH OF OPENING IN TOP SECTION.
 2. RISER PIPE SIZE:
4", 6", AND 8" DIA MAIN - 4" DIA RISER PIPE
10" DIA AND LARGER MAIN - 6" DIA RISER PIPE.
 3. ADJUST END OF RISER PIPE TO MAINTAIN 3" MIN AND 6" MAX CLEARANCE BETWEEN END PIPE AND BOTTOM OF VALVE BOX LID.

3 STANDARD CLEANOUT (CO)

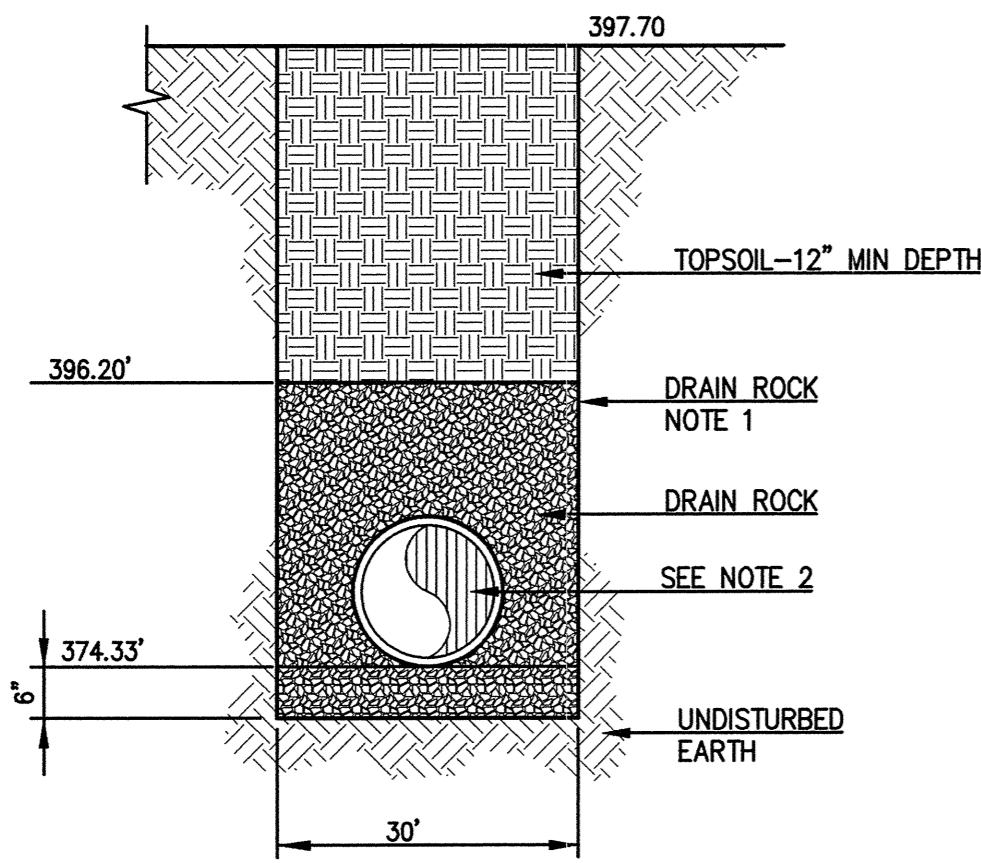
NO SCALE



- NOTES**
1. TRACER WIRE SHALL ENTER STRUCTURE AT PIPE INLET OR OUTLET. PROVIDE ADEQUATE FREE WIRE TO EXTEND 24" ABOVE TOP OF GRATE TO FACILITATE TESTING. COIL WIRE AND SECURE WITH NON-CORROSIVE FASTENER 2" UNDER FRAME.
 2. LOCATION SPECIFIED ON PLAN INDICATES CENTER OF GRATED SECTION OF BASIN.
 3. BACKFILL AROUND BASIN USING CRUSHED ROCK IN PAVED OR SIDEWALK AREAS OR NATIVE MATERIAL IN LANDSCAPE AREAS.
 4. ALL STRUCTURES SHALL BE PROVIDED WITH HEAVY DUTY GRATE WITH BICYCLE BARS

4 STANDARD AREA DRAIN (AD)

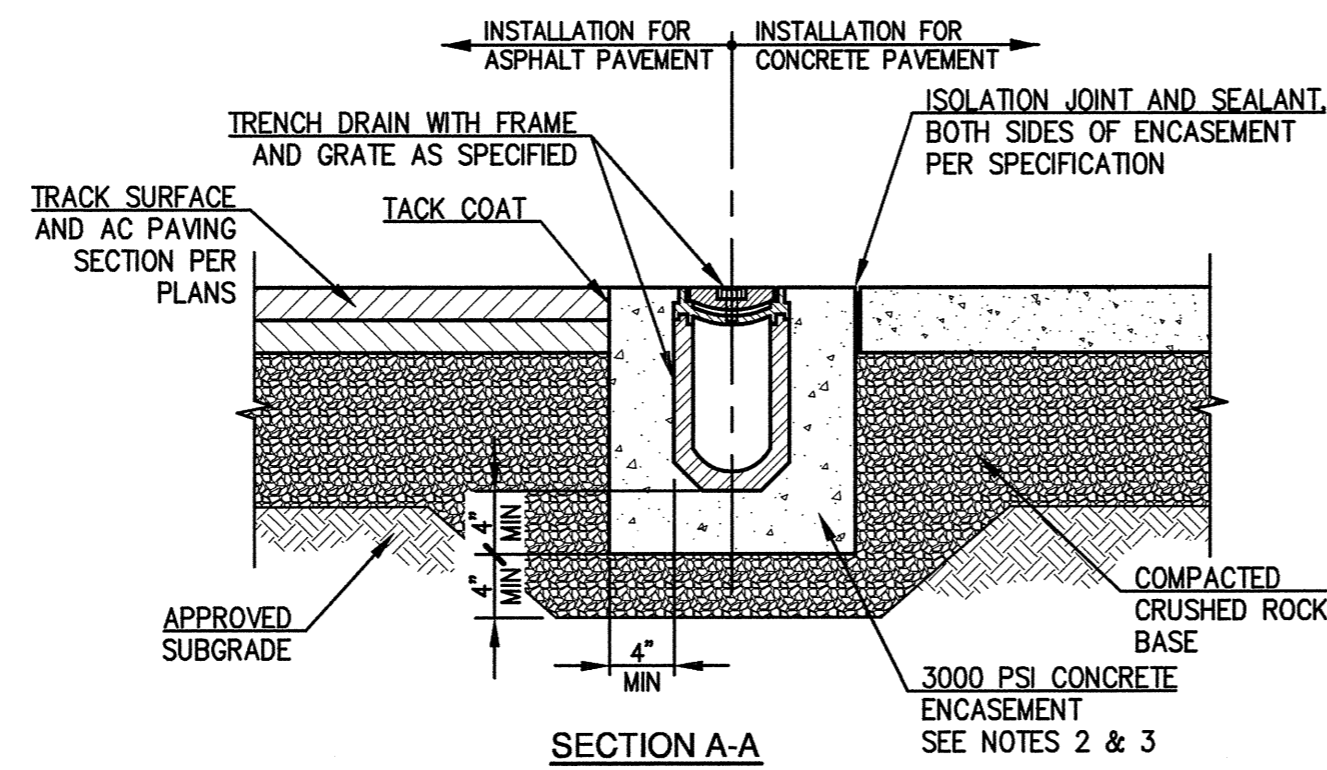
NO SCALE



- NOTES**
1. INSTALL GEOTEXILE LINER AT EXTENT OF SOAKAGE TRENCH DRAIN ROCK. OVERLAP SEAM BY ONE FOOT AND STAPLE SEAMS AT ONE FOOT INTERVALS.
 2. INSTALL 10" PERF PIPE PER PLAN.

5 SOAKAGE TRENCH SECTION

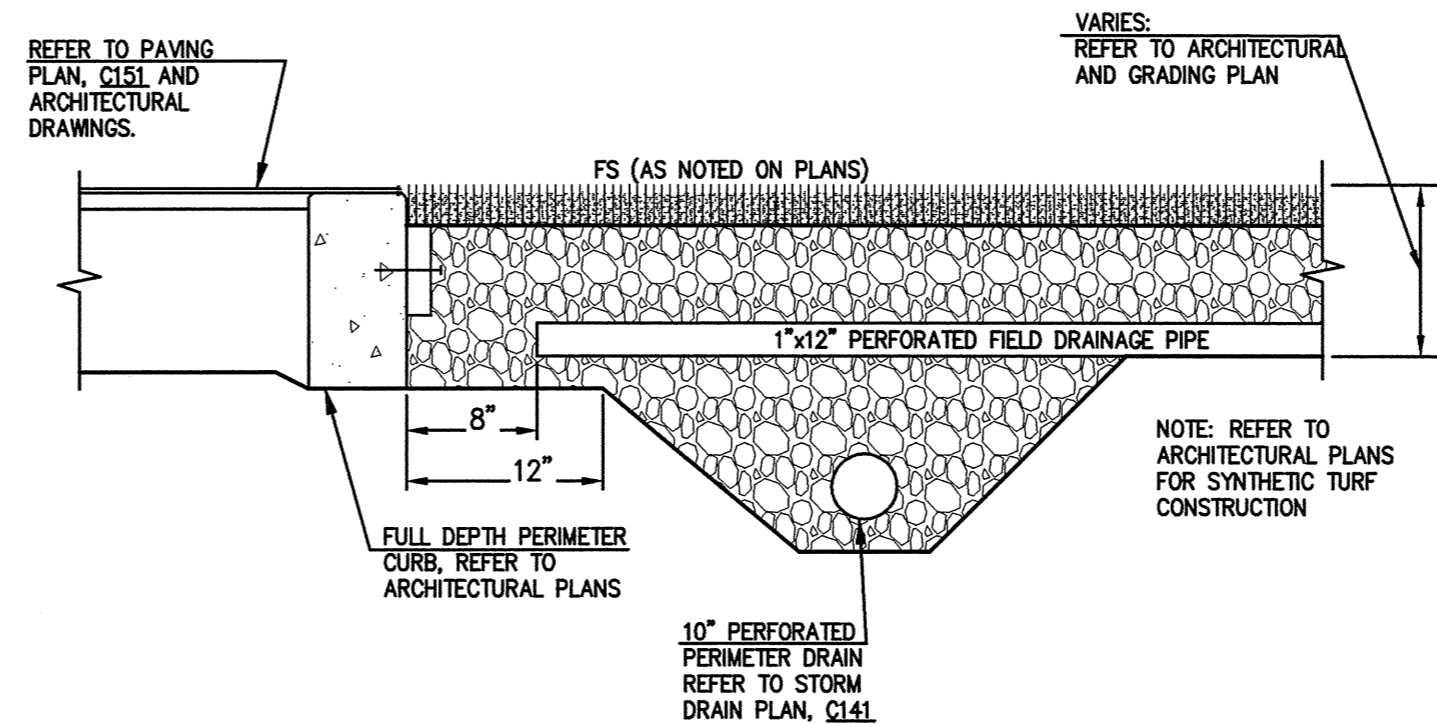
NO SCALE



- NOTES**
1. TRACER WIRE SHALL ENTER STRUCTURE AT PIPE INLET OR OUTLET. PROVIDE ENOUGH FREE WIRE TO EXTEND 24" ABOVE TOP OF GRATE TO FACILITATE TESTING. COIL WIRE AND SECURE WITH NON-CORROSIVE FASTENER 2" UNDER FRAME.
 2. CONSTRUCT CONCRETE ENCASEMENT PER MANUFACTURER RECOMMENDATIONS. PROVIDE TOOLED TRANSVERSE CONTRACTION JOINTS AT TOP AND SIDES OF CONCRETE ENCASEMENT AT CHANNEL JOINT LOCATIONS PER MANUFACTURER RECOMMENDATIONS. REFER TO JOINTING PLAN FOR CONTRACTION JOINT DETAILS AND SEALANT.
 3. CONCRETE ENCASEMENT THICKNESS SHALL BE THE GREATER OF 4" OR THE SURROUNDING PAVEMENT SLAB THICKNESS.

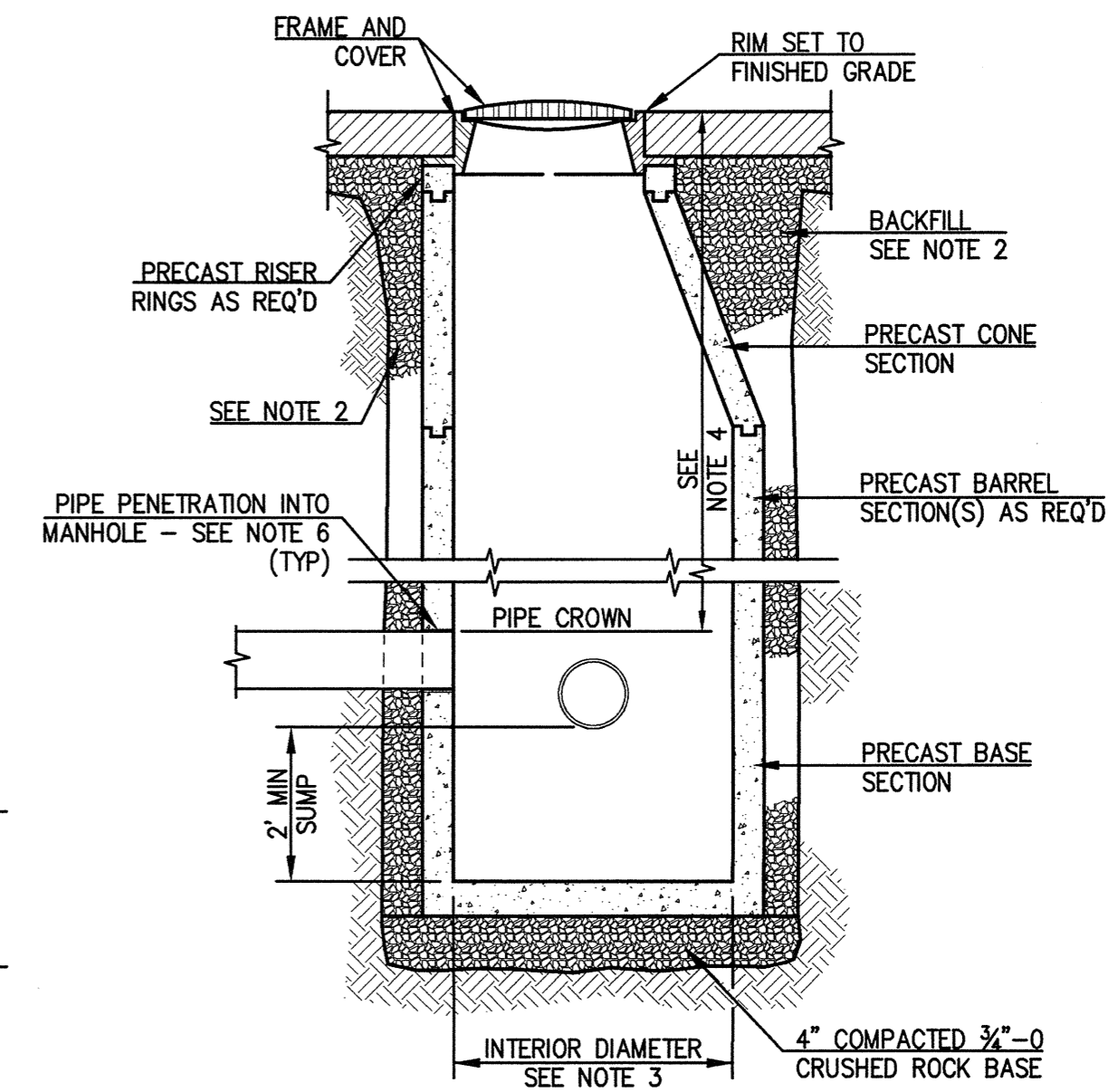
6 TRENCH DRAIN (TD)

NO SCALE



7 FIELD DRAINAGE TERMINATION SECTION

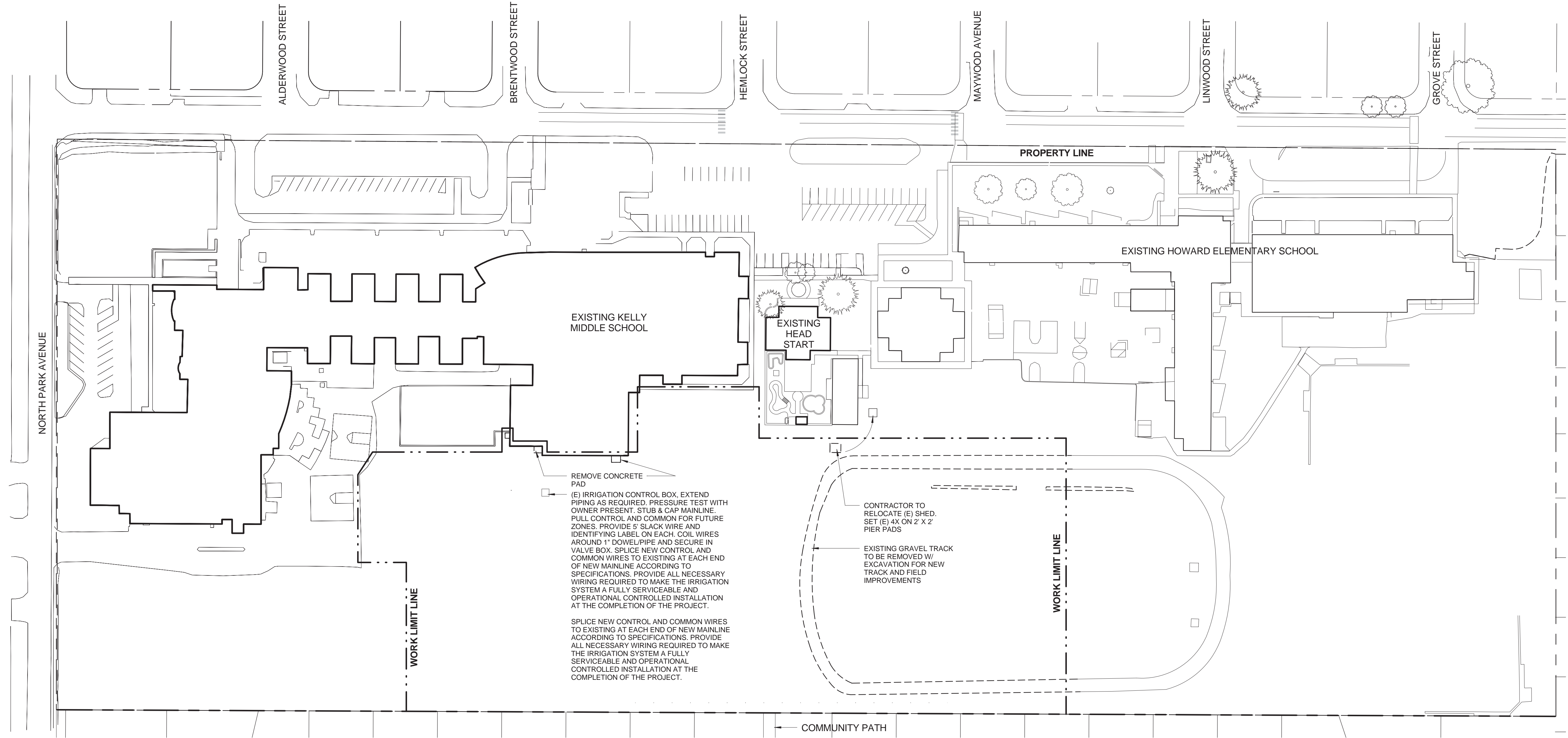
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- NOTES**
1. TRACER WIRE: WIRE SHALL ENTER STRUCTURE UNDER RISER AND DIRECTLY ABOVE THE PIPE THAT WIRE IS TRACING. PROVIDE ENOUGH FREE WIRE TO EXTEND 24" ABOVE TOP OF MANHOLE COVER TO FACILITATE TESTING. COIL WIRE AND SECURE WITH NON-CORROSIVE FASTENER 2" UNDER FRAME.
 2. BACKFILL AROUND BASE SECTION USING CRUSHED ROCK IN PAVED OR SIDEWALK AREAS, OR NATIVE MATERIALS IN LANDSCAPE AREAS.
 3. 42" OR, AS REQ'D, TO ACCOMMODATE PIPE SIZE AND INSTALLATION LOCATIONS/ANGLES. USE SHALLOW MANHOLE WITH 2' SUMP WHERE DISTANCE BETWEEN RIM AND PIPE CROWN IS 3 1/2' OR LESS.
 4. LOCATION SPECIFIED ON PLAN INDICATES CENTER OF BASE SECTION.
 5. INSTALL SEAL OR GROUT, AS SPECIFIED, BETWEEN MANHOLE AND PIPE TO FORM A WATER TIGHT SEAL. PIPES TO BE TRIMMED FLUSH WITH MANHOLE INTERIOR WALL. GROUT BETWEEN TRIMMED PIPE AND MANHOLE INTERIOR WALL, AS REQ'D, TO PROVIDE A SMOOTH TRANSITION.

8 STANDARD STORM DRAIN MANHOLE

NO SCALE



1 DEMOLITION SITE PLAN
1" = 60'-0"

PROJECT NO:	1415.00	REVISIONS:
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EXISTING SITE
DEMOLITION PLAN

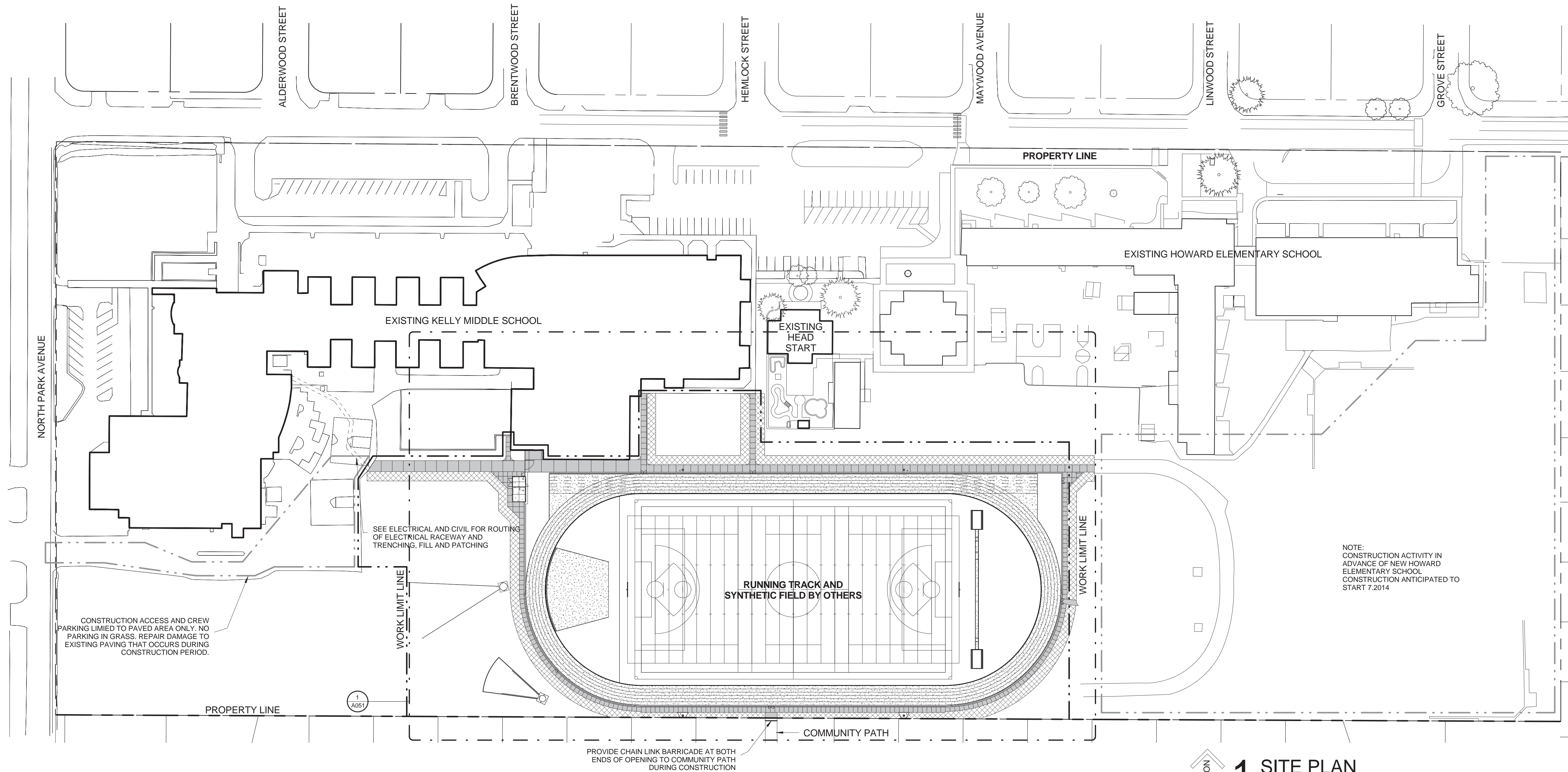
4J EUGENE SCHOOL DISTRICT
850 HOWARD EUGENE, OREGON 97404

KELLY MIDDLE SCHOOL TRACK AND FIELD

D100



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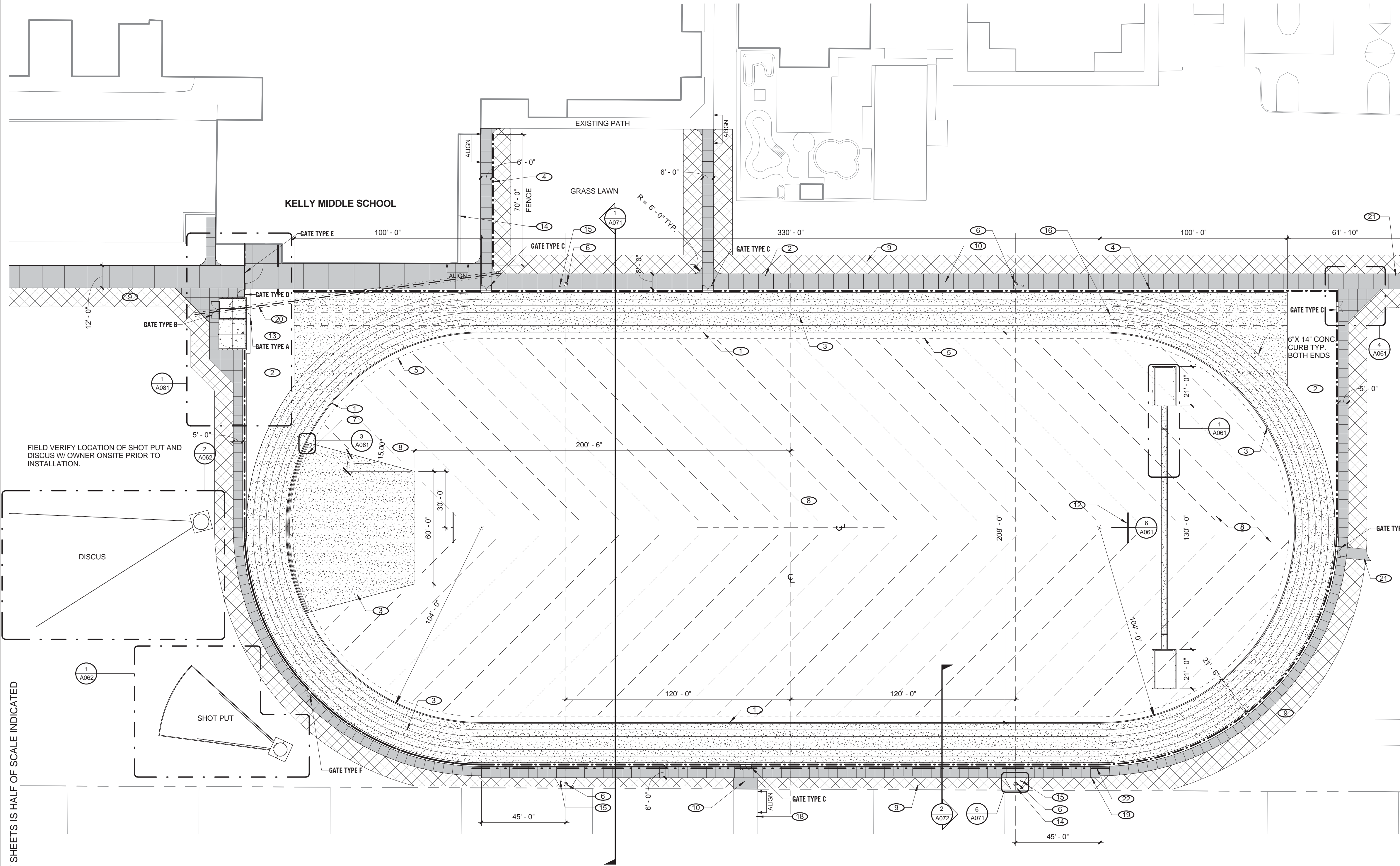


1 SITE PLAN
1" = 60'-0"

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CHECKED:			

A050

SCALE OF 11 x 17 SHEETS IS HALF OF SCALE INDICATED



KEYNOTE LEGEND

- 1 CONC. CURB @ FIELD SEE 5/A071
- 2 AC PAVING, SEE CIVIL
- 3 TRACK SURFACING OVER AC PAVING. PROVIDE MARKINGS FOR 6 LANE MIDDLE SCHOOL TRACK. PROVIDE LANE LINES, STARTING LINES, AND MARKINGS AS REQUIRED, AND CONFORM TO THE STANDARDS FOR TRACK CONSTRUCTION AS DESCRIBED BY THE NFSSA. PROVIDE MARKINGS FOR 100, 200, 400, 800 AND 1500 METERS.
- 4 CHAIN LINK FENCE, 4'-0" HIGH
- 5 STORM DRAIN CLEANOUTS, PROVIDE BRASS CAPS AT ADJACENT CONC. CURB
- 6 FIELD LIGHT PER LIGHTING PACKAGE. COORDINATE LOCATION AND INSTALLATION. SEE 6/A071 FOR CONC. MOWSTRIP
- 7 TRENCH DRAIN, SEE CIVIL
- 8 SYNTHETIC TURF BY TURF PACKAGE PROVIDER
- 9 REVISE GRADE ALL AROUND SITE IMPROVEMENTS. SET FINISH GRADE OF SOIL FLUSH WITH PERIMETER CONCRETE. SLOPE AWAY FROM NEW IMPROVEMENTS. PROVIDE SMOOTH TRANSITION TO EXISTING GRADE/LAWN AREA. RE-SEED WITH TERRA SEEDING, FUTURA 3000 SEED MIX. PROVIDE GRASS SEED OVER FULL EXTENT OF THE SITE AREA MODIFIED DURING CONSTRUCTION AND NOT COVERED BY OTHER FINISH SURFACES. SURROUND WITH STAKING FOR PROTECTION.
- 10 CONC SIDEWALK/PATH, SEE 5/A061
- 12 GOAL POSTS, SEE 6/A061. VERIFY LOCATION AND COORDINATE INSTALLATION WITH TURF PACKAGE (2 TOTAL)
- 13 SEE CIVIL FOR HEAVY PAVEMENT SECTION UNDER TRACK. USE THIS AS THE CONSTRUCTION ACCESS TO THE TURF FIELD.
- 14 CONC MOW STRIP
- 15 DIAMOND PLATE COVER BOLTED OVER J-BOX
- 16 INTERSECTION OF CURVE TO STRAIGHT, TYP.
- 18 EXISTING COMMUNITY PATH
- 19 SEE CIVIL GRADING PLAN FOR SIDEWALK ELEVATED ABOVE CONC. MOWSTRIP
- 20 IRRIGATION SLEEVE
- 21 FUTURE PATHWAY
- 22 BALL FENCE LINE

GENERAL NOTES

- A. A HORIZONTAL CONTROL PLAN WILL BE PROVIDED PRIOR TO THE START OF CONSTRUCTION.
- B. PROVIDE CONTROL JOINTS AT MOW STRIPS AND CONC CURBS @ 10'-0" O.C. U.N.O.
- C. REPAIR (E) TURF AT UTILITY TRENCHING. RE-SEED WITH FUTURA 3000 SEED MIX

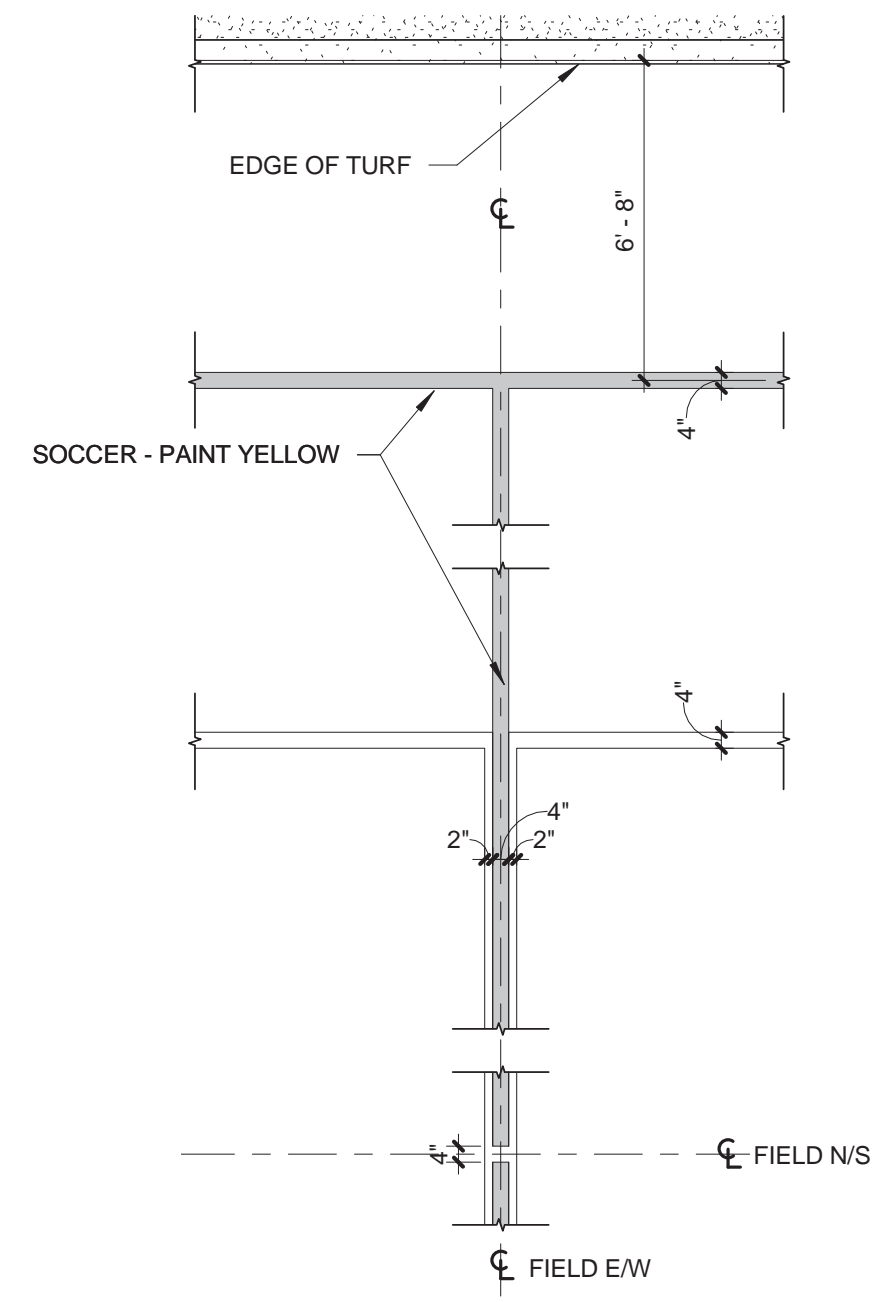
GATE TYPES LEGEND

- GATE TYPE A 3'-0" L X 6'-0" H GATE (PER LOCATION; FIELD VERIFY LENGTH)
- GATE TYPE B (2) 4'-6" L X 6'-0" H SWING GATE (PER LOCATION)
- GATE TYPE C (2) 3'-0" L X 4'-0" H SWING GATES (PER LOCATION)
- GATE TYPE D 3'-0" X 4'-0" H EGRESS GATE (PER LOCATION)
- GATE TYPE E 10'-0" L X 4'-0" H 180 DEGREE SWING GATE (PER LOCATION)
- GATE TYPE F 3'-0" L X 4'-0" H SWING GATE (PER LOCATION)

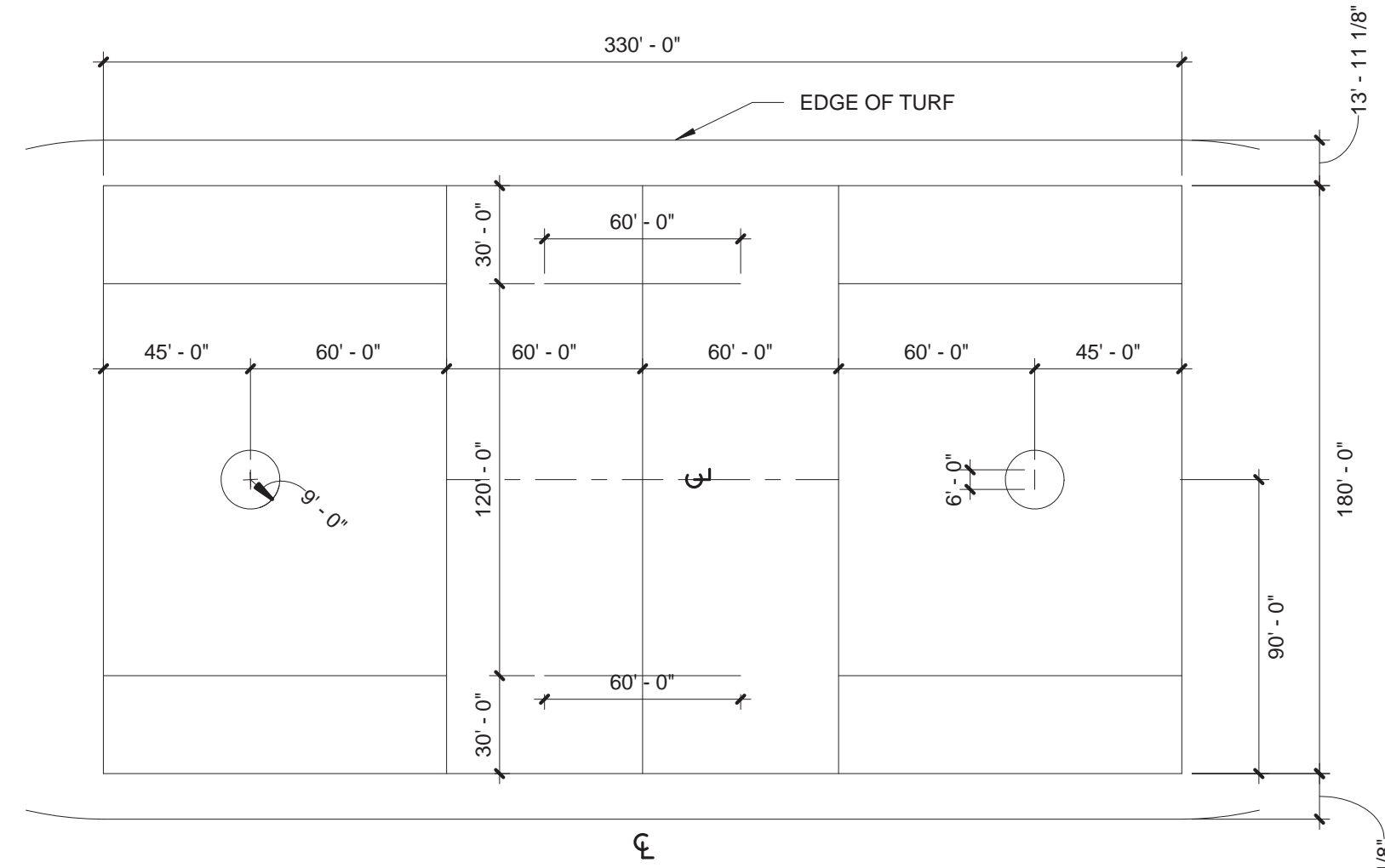
1 ENLARGED SITE PLAN
1" = 30'-0"



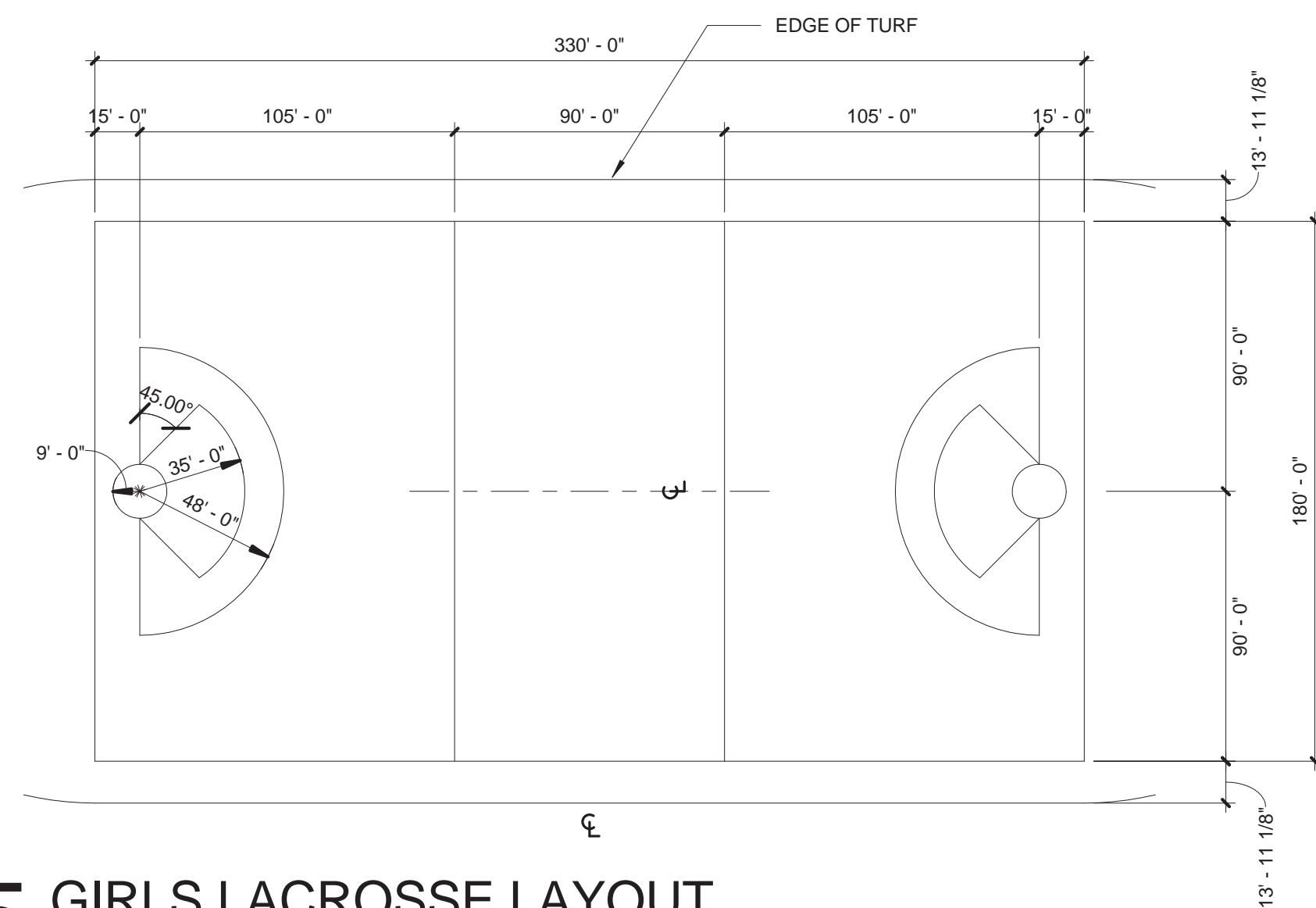
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6 DETAIL AT 50 YRD LINE/CENTERLINE
1/4" = 1'-0"



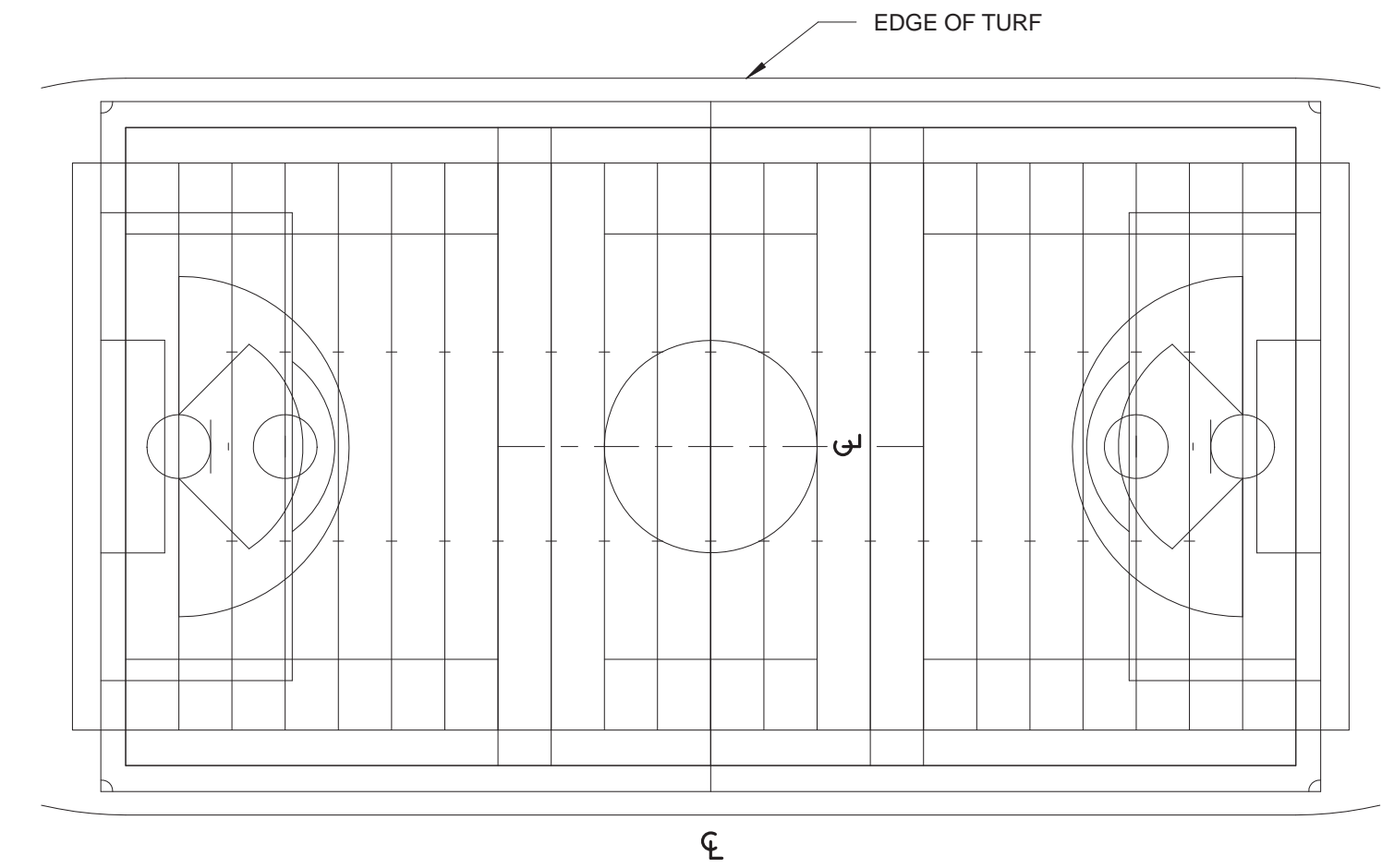
4 BOYS LACROSSE LAYOUT
1" = 50'-0"



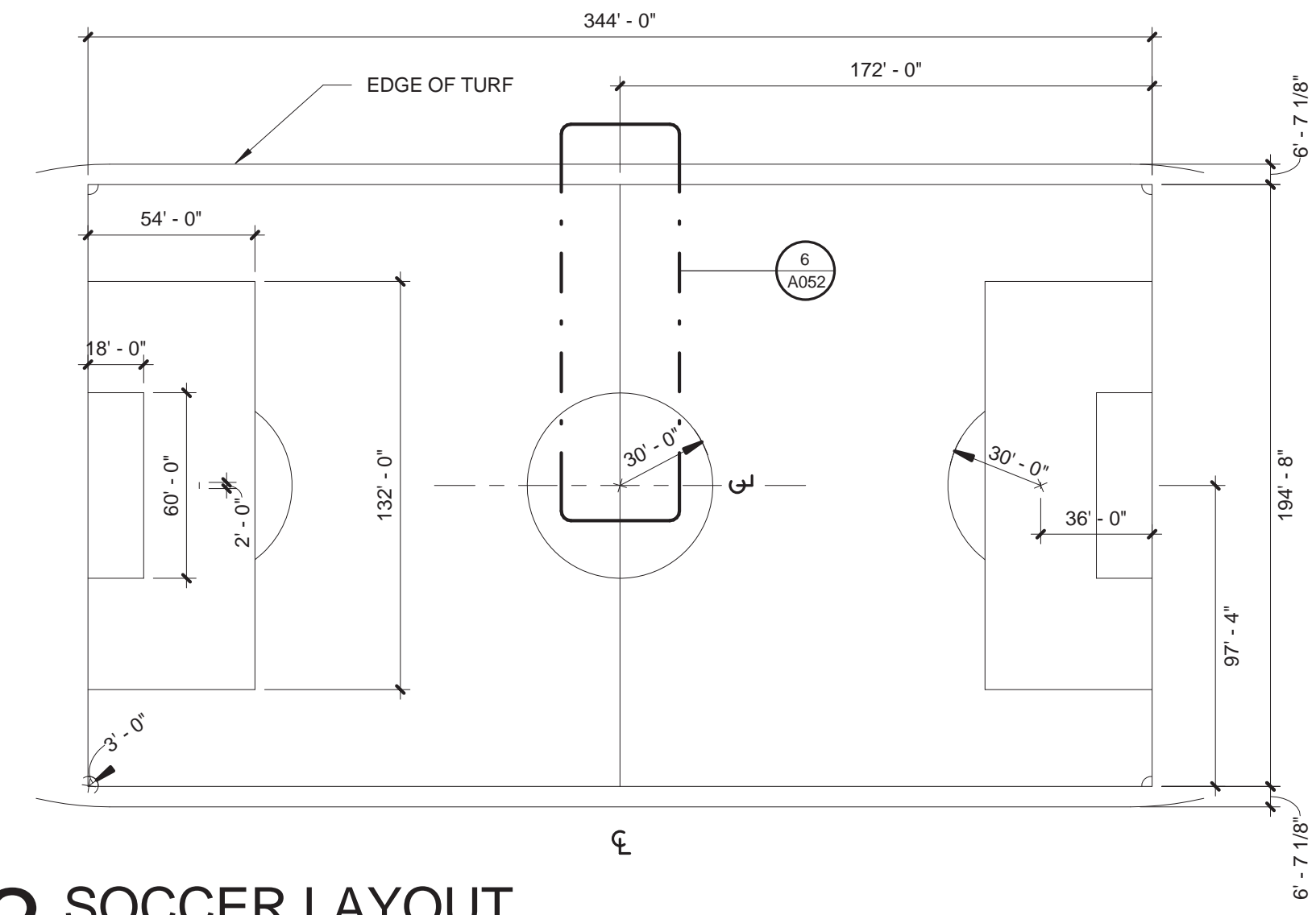
5 GIRLS LACROSSE LAYOUT
1" = 50'-0"

NOTES - FIELD LAYOUTS

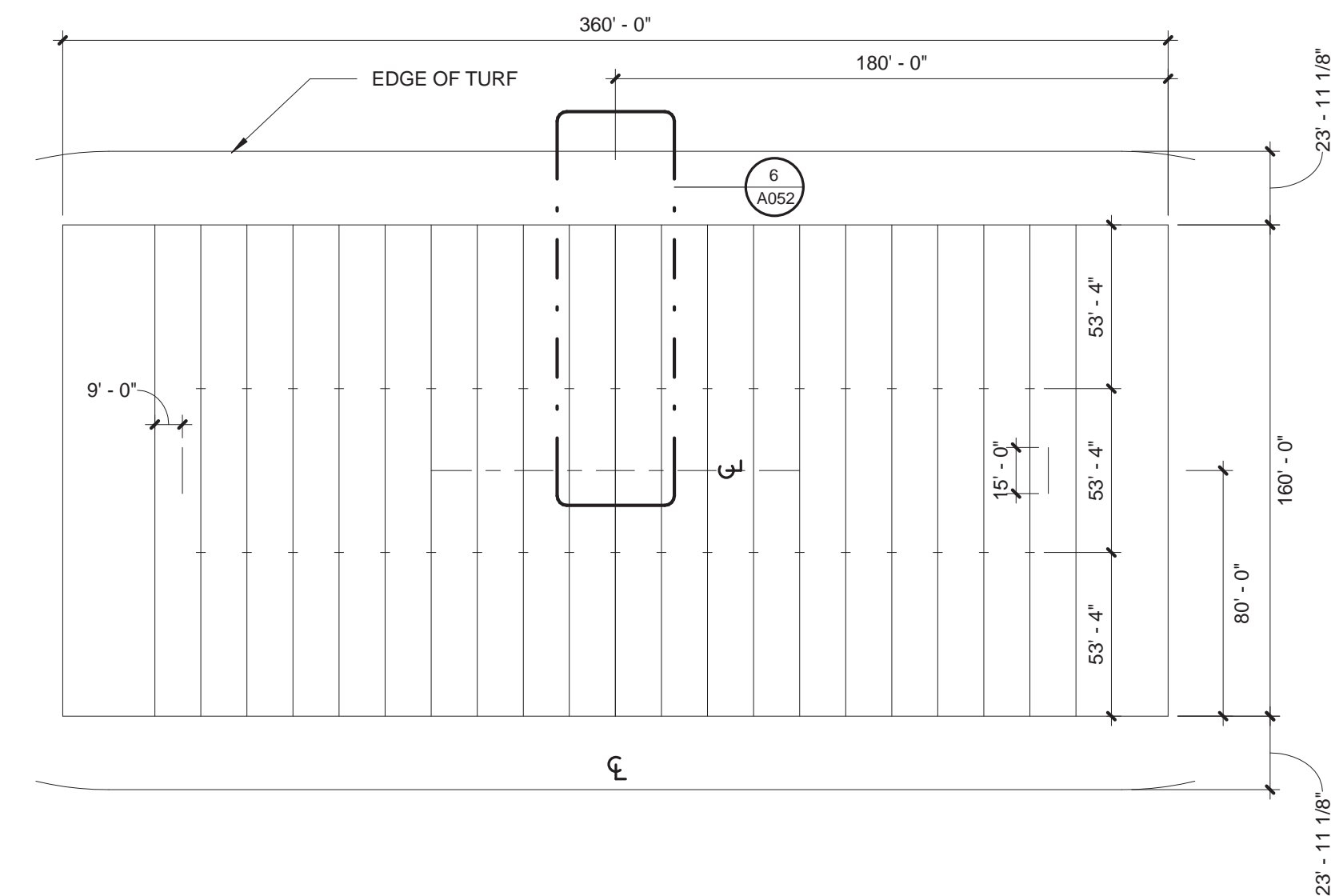
PRIORITY	LINE COLOR
1. SOCCER	YELLOW
2. FOOTBALL	WHITE
3. BOYS LACROSSE	ROYAL BLUE
4. GIRLS LACROSS	BLACK



1 OVERALL FIELD MARKINGS
1" = 50'-0"

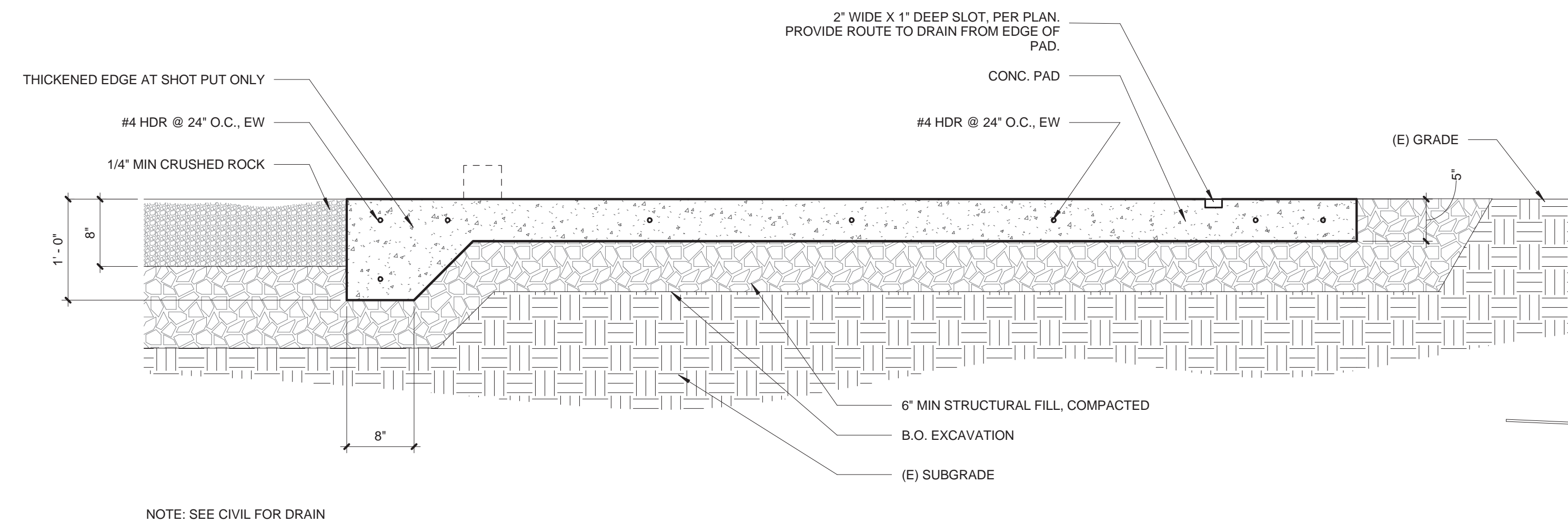


2 SOCCER LAYOUT
1" = 50'-0"

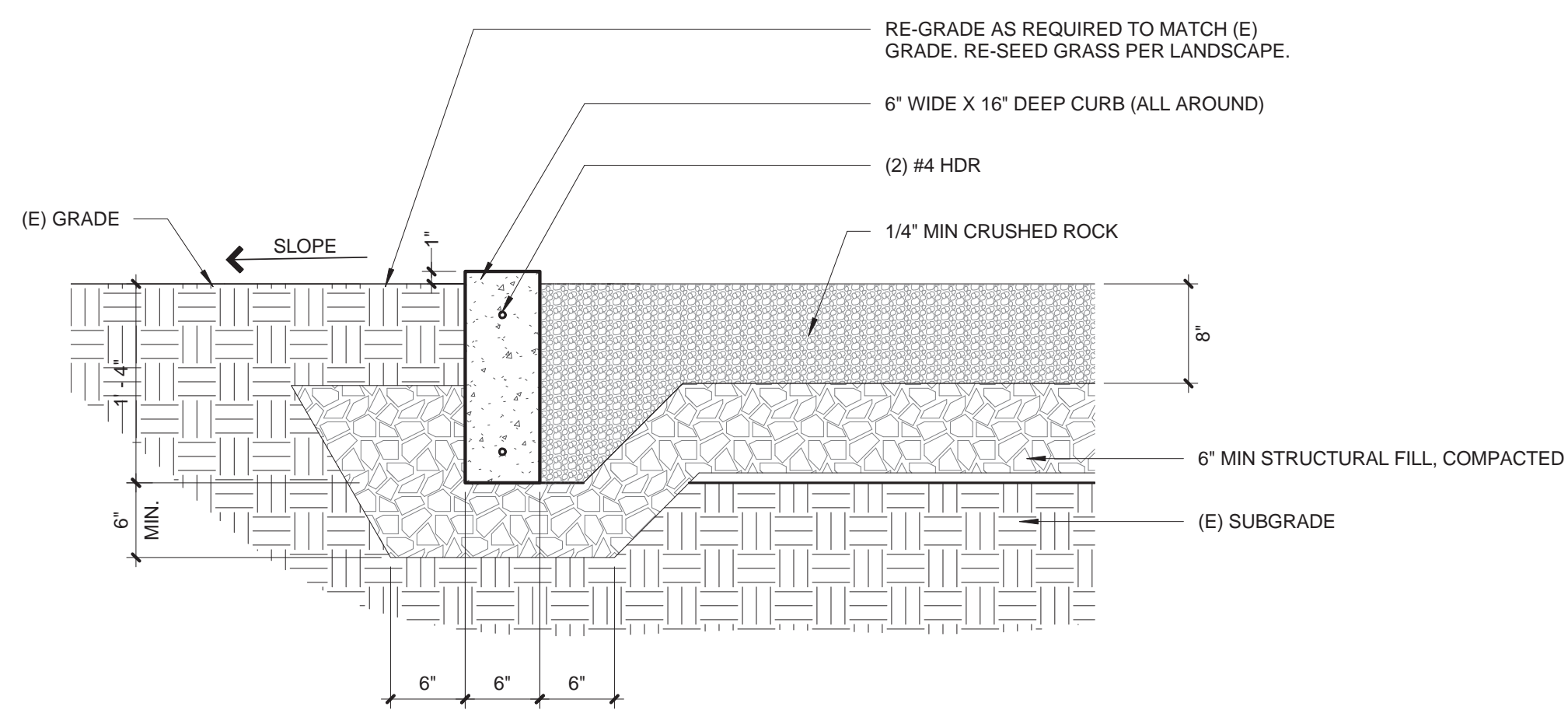


3 FOOTBALL LAYOUT
1" = 50'-0"

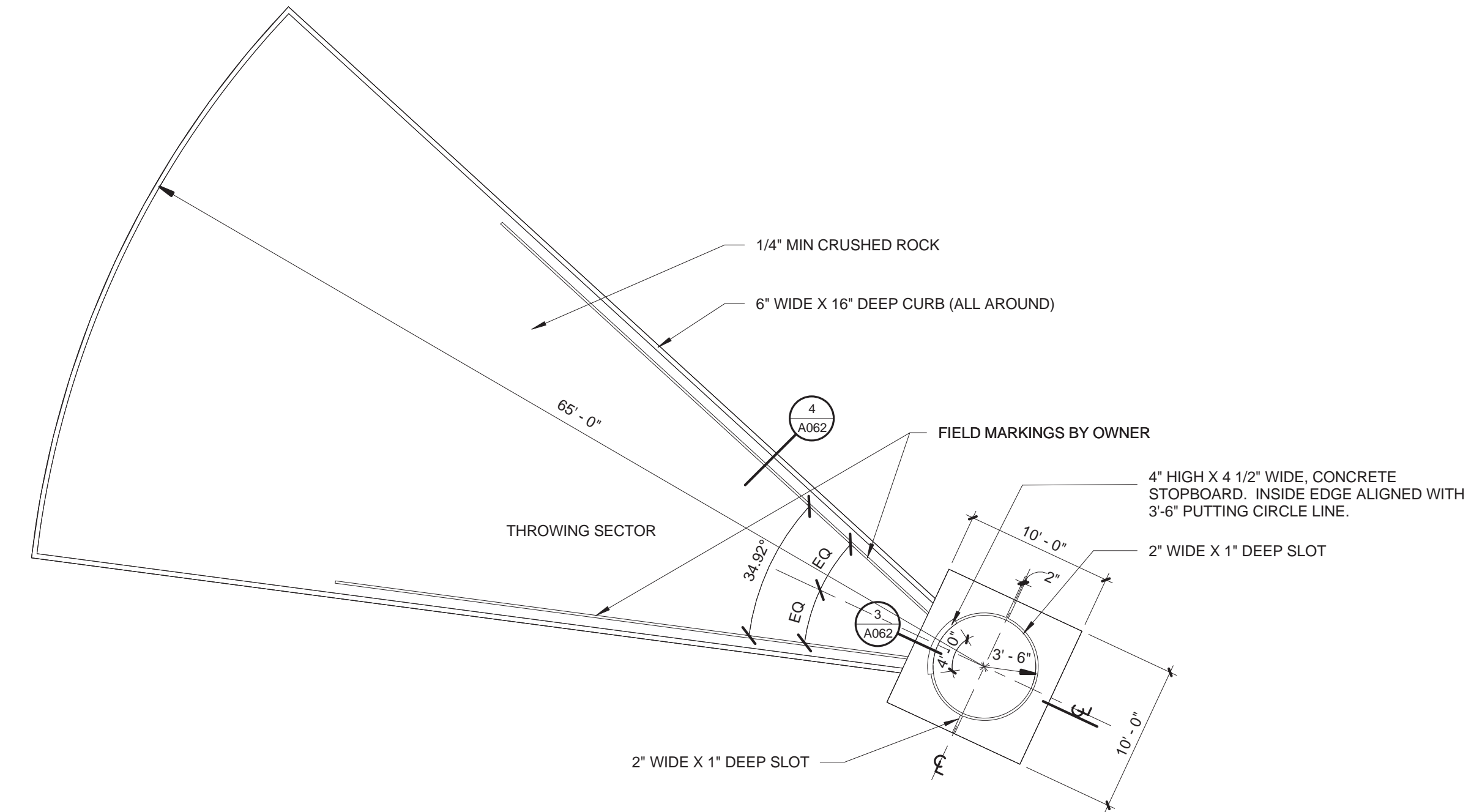
PROJECT NO:	1415.00	REVISIONS:	
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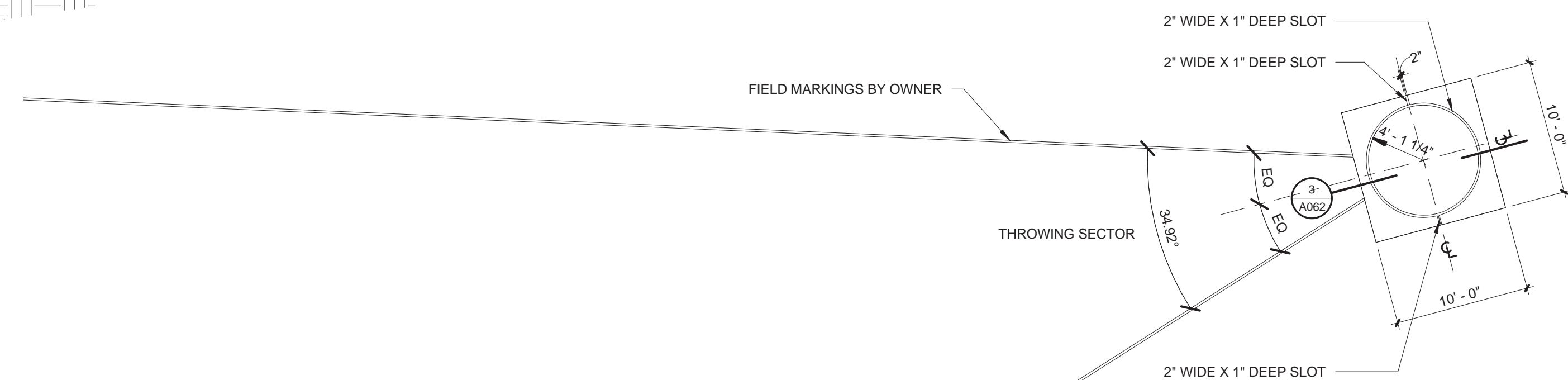
3 SHOT PUT PAD DETAIL
1" = 1'-0"



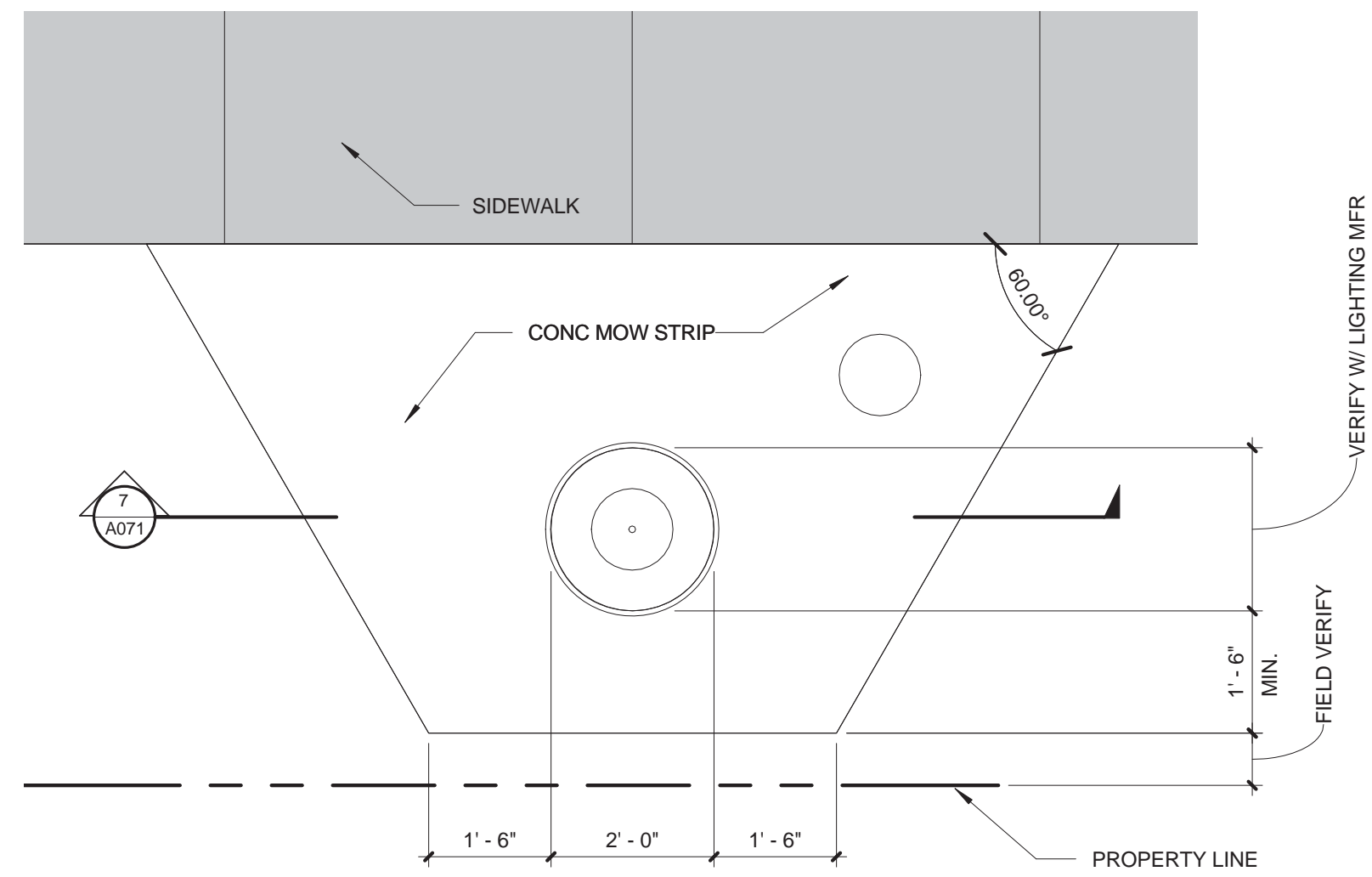
4 SHOT PUT PIT CURB DETAIL
1" = 1'-0"



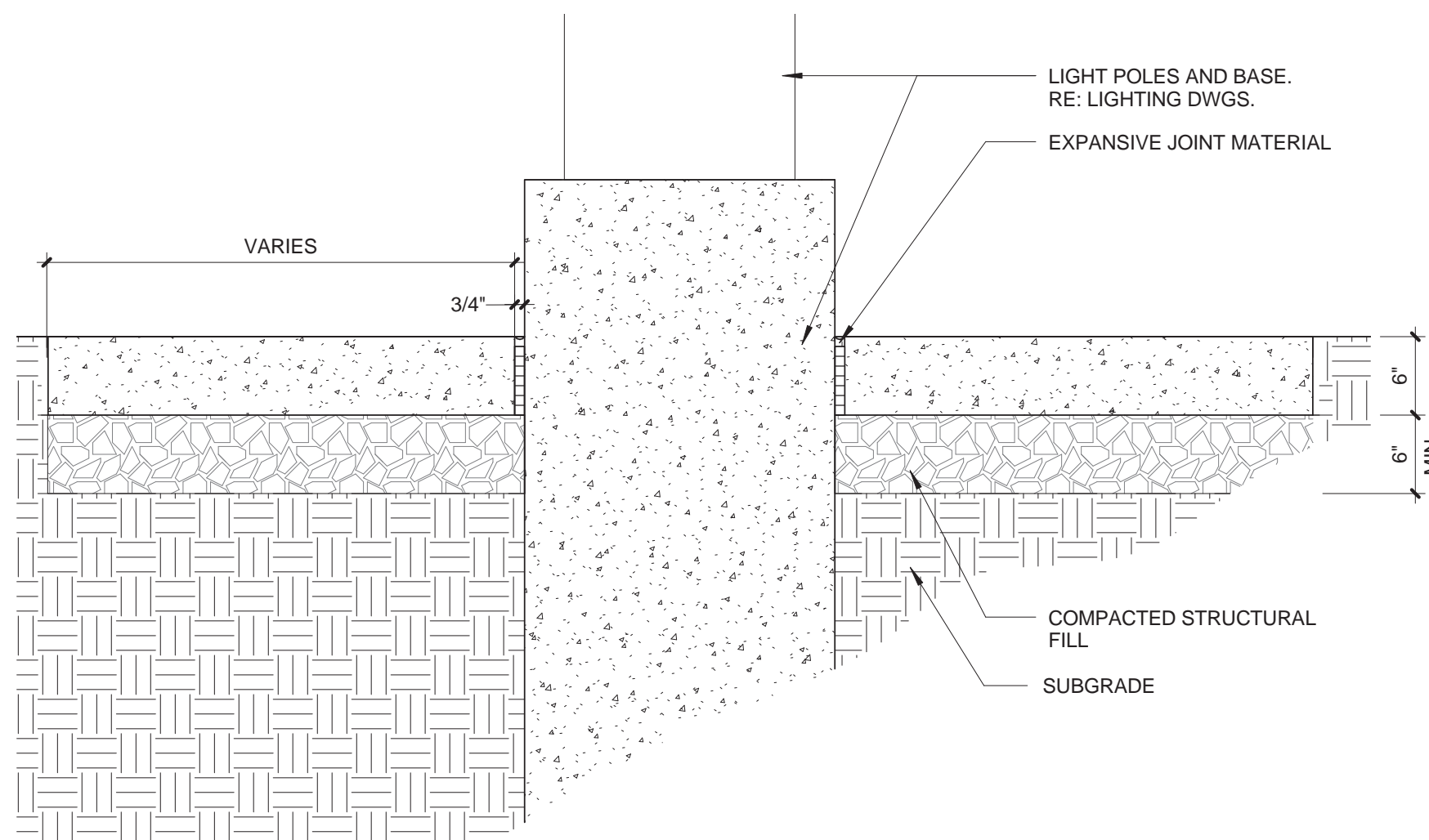
1 ENLARGED PLAN - SHOT PUT
1/8" = 1'-0"



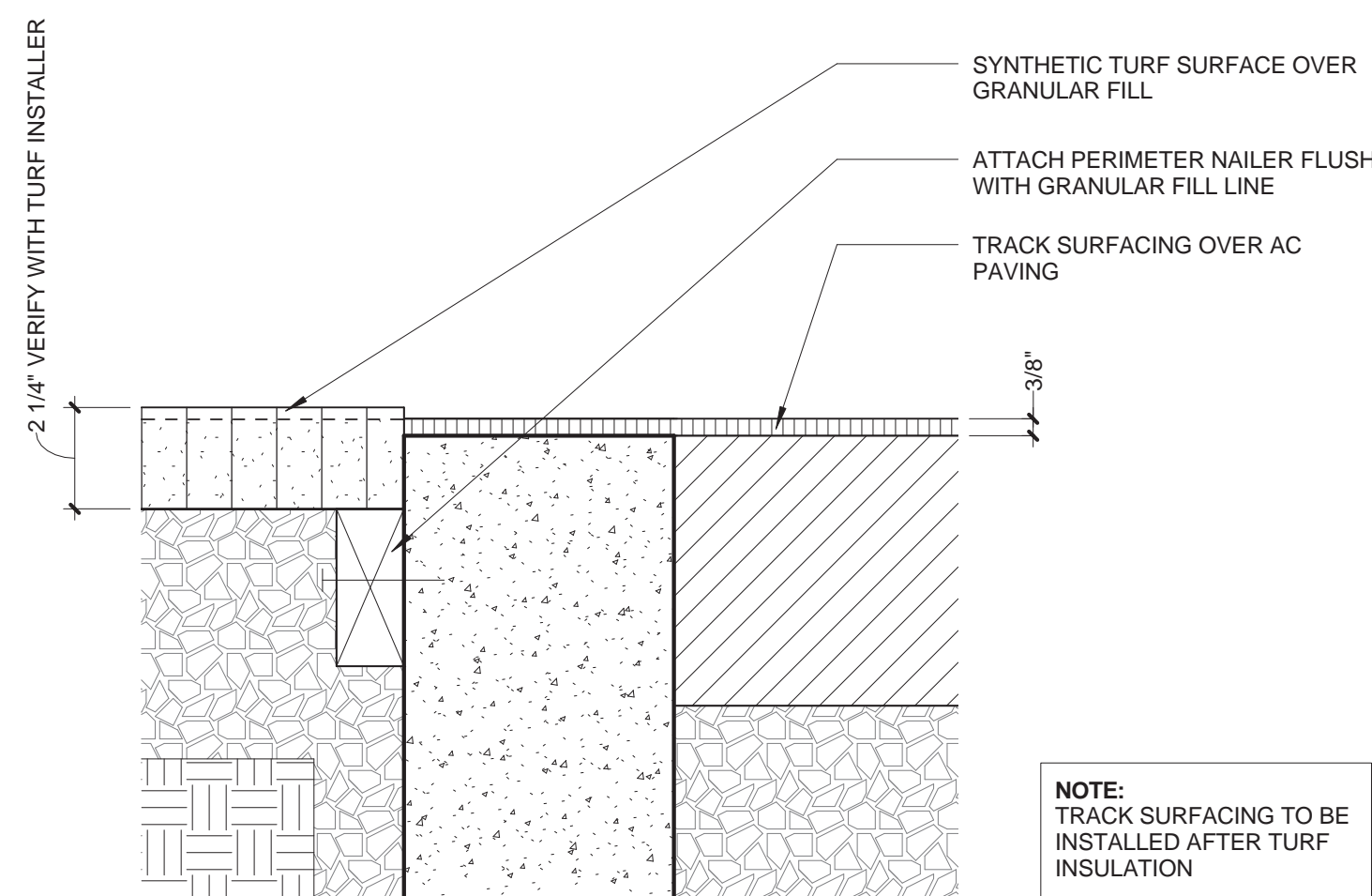
2 ENLARGED PLAN - DISCUS
1/8" = 1'-0"



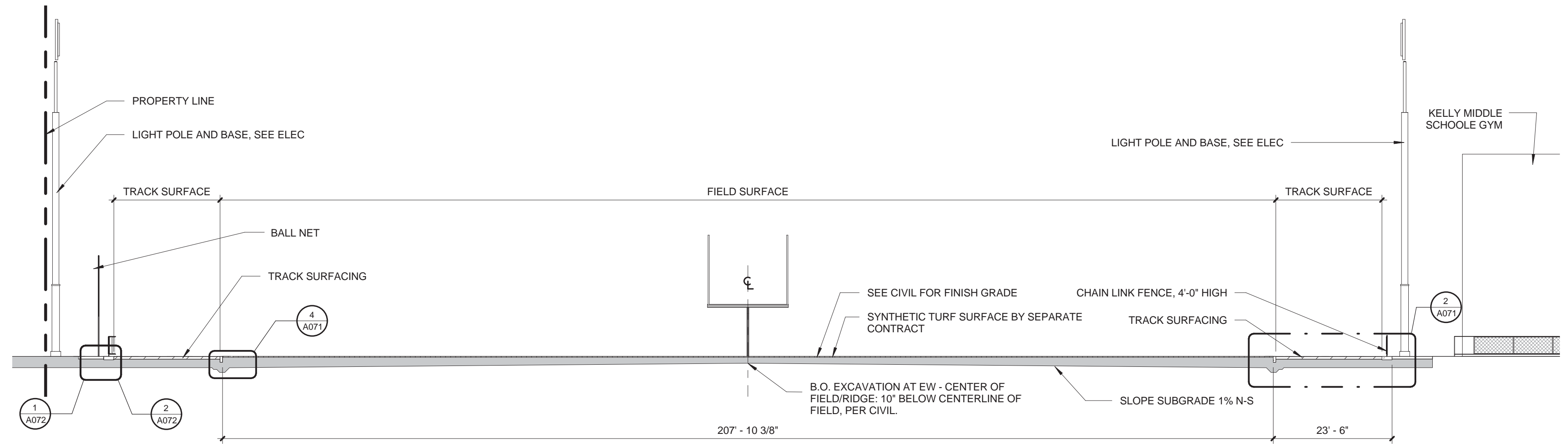
6 MOWSTRIP AT FIELDS LIGHTS
1/2" = 1'-0"



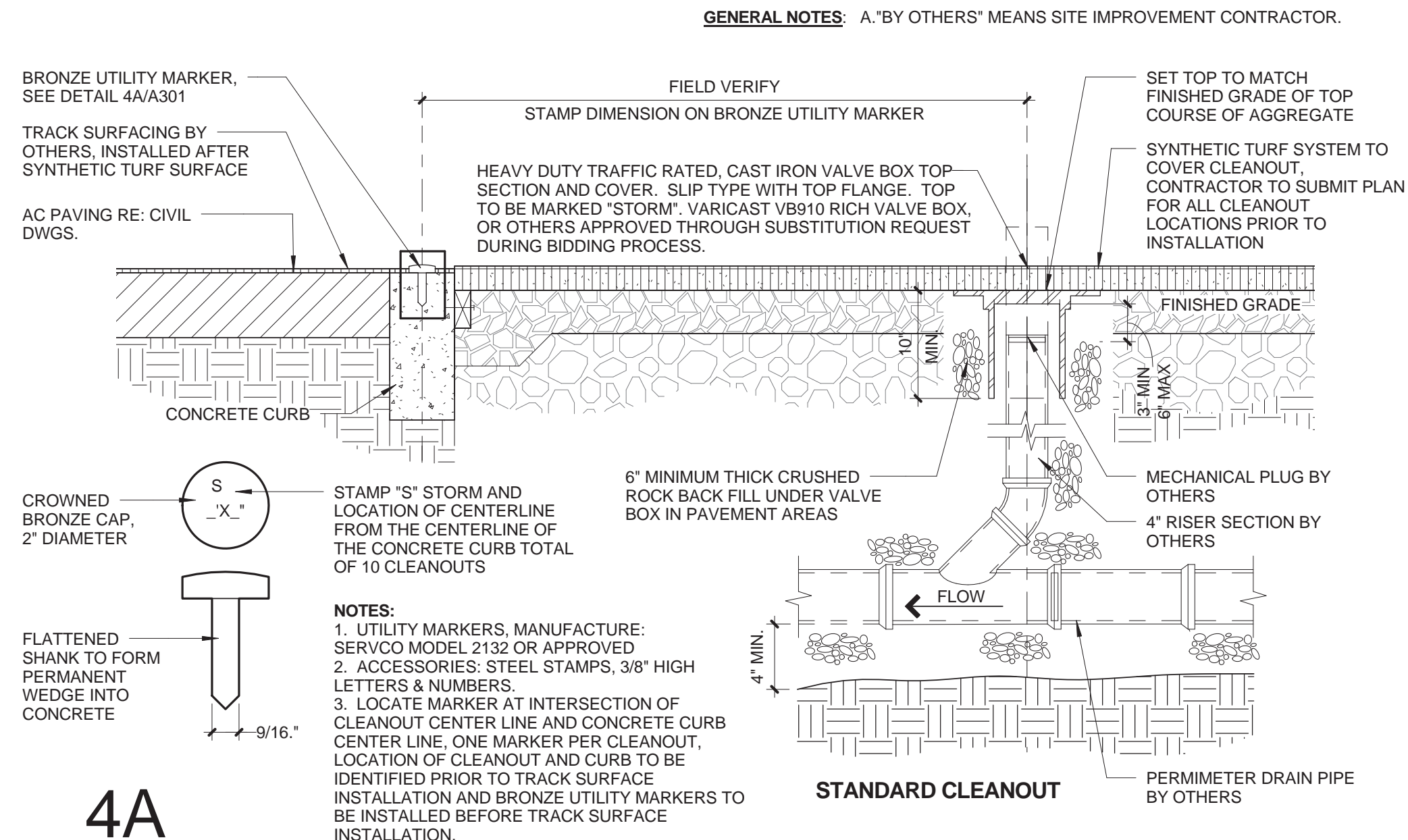
7 SECTION DETAIL AT LIGHT POLE BASE
1" = 1'-0"



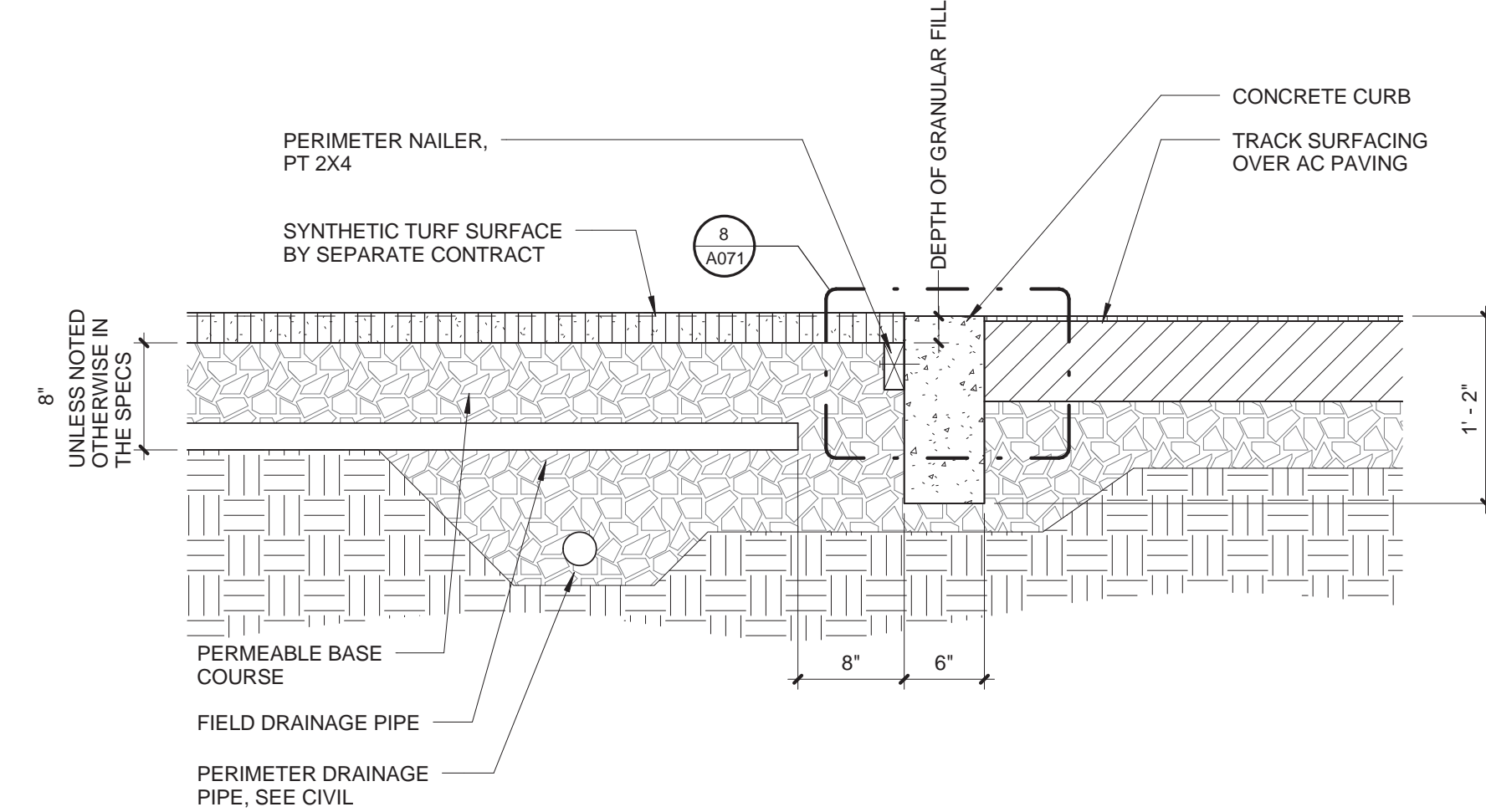
8 DETAIL - FIELD SURFACE TRANSITION
3" = 1'-0"



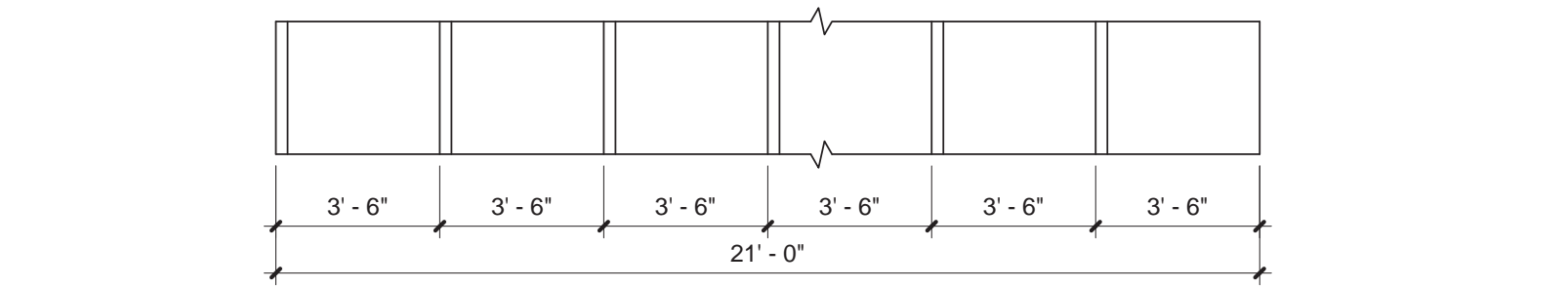
1 SITE SECTION
1/16" = 1'-0"



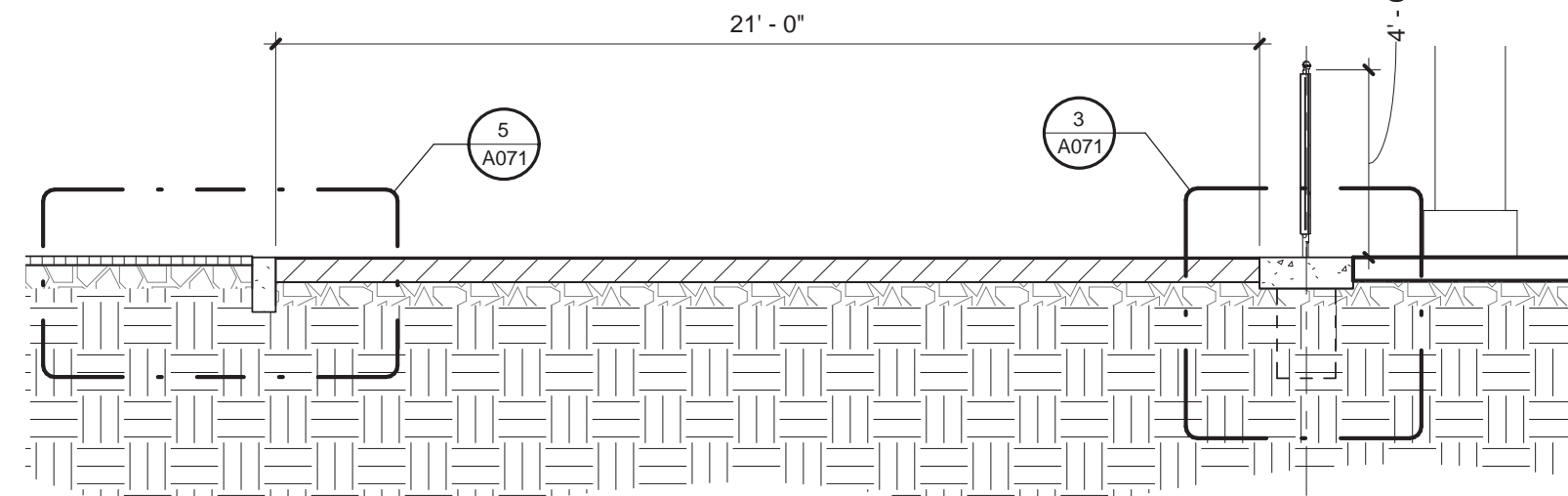
4A DETAIL ARTIFICIAL TURF EDGE AND FIELD RIDGE
1" = 1'-0"



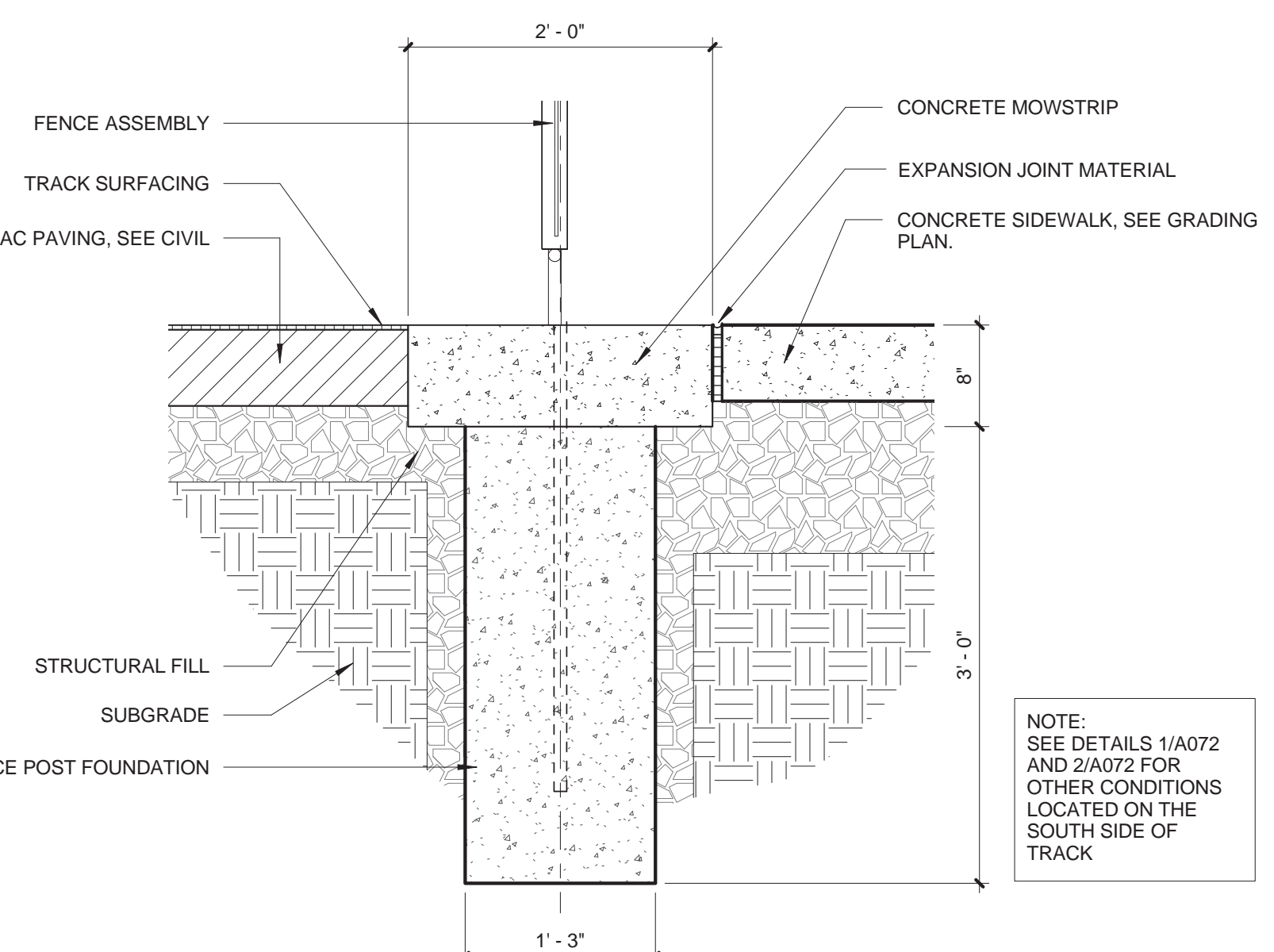
5 DETAIL - EDGE OF FIELD
1" = 1'-0"



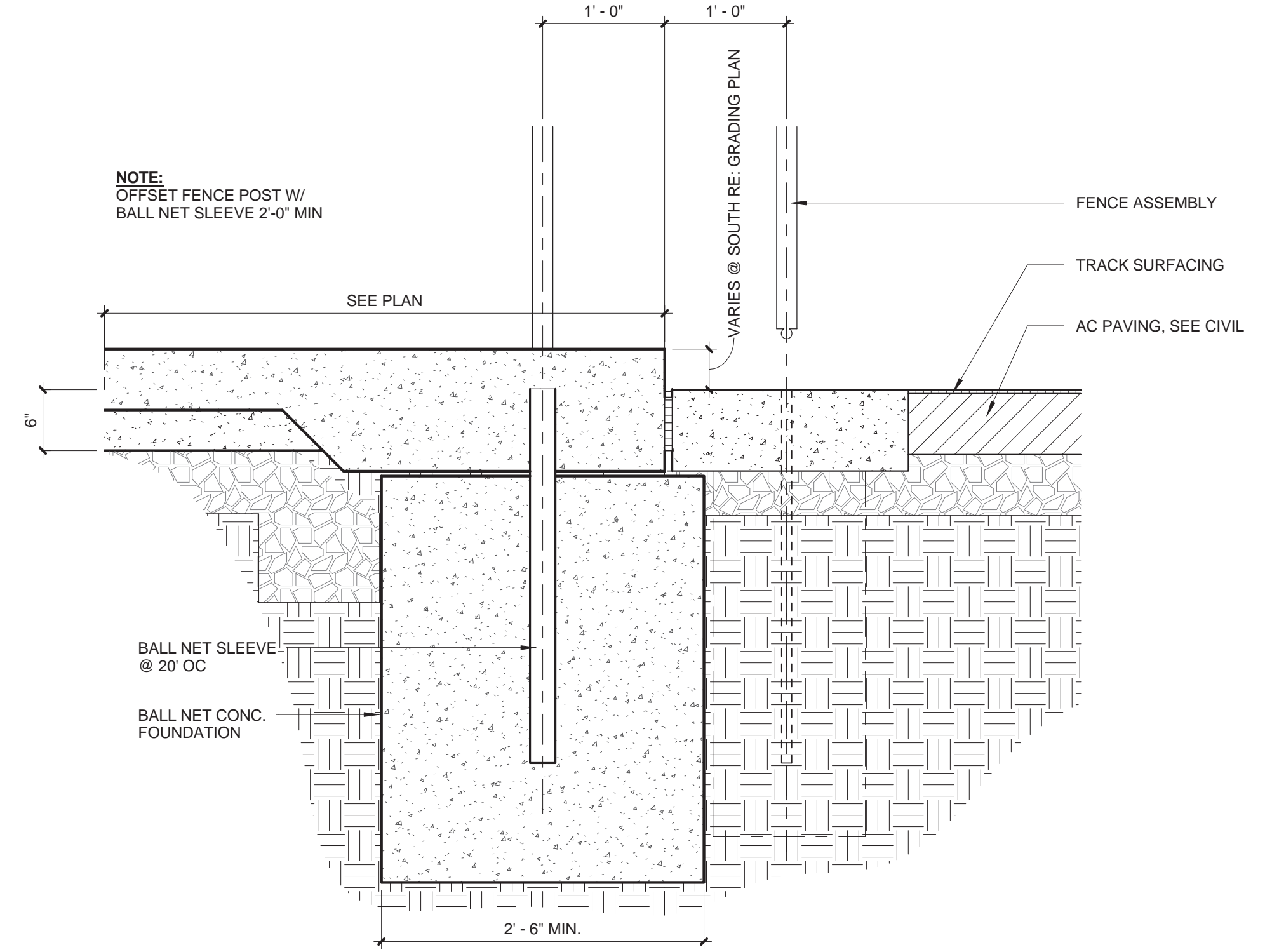
2A TRACK LANES
1/4" = 1'-0"



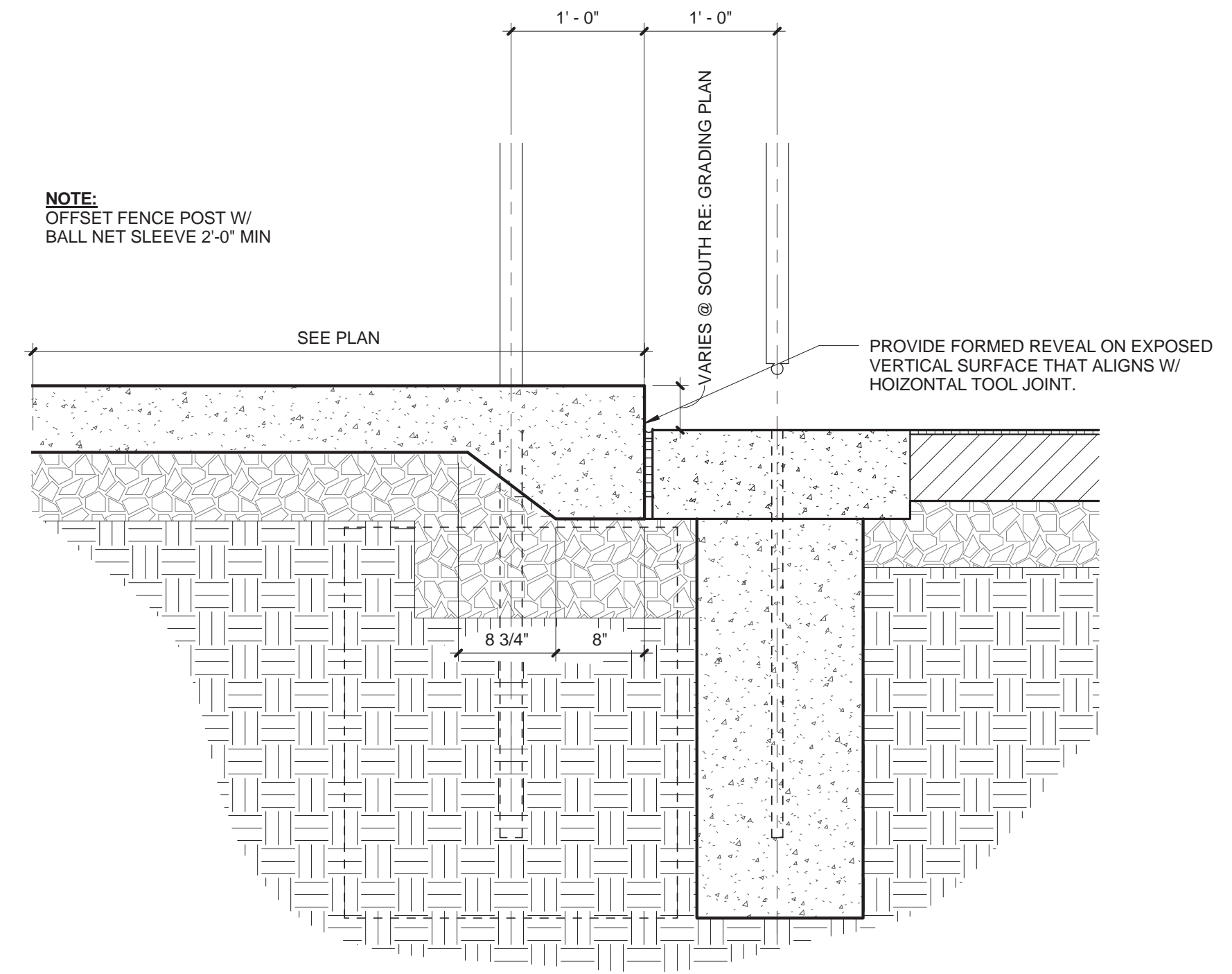
2 TYPICAL TRACK DIMENSIONS
1/4" = 1'-0"



3 DETAIL - TYP. FENCE AND EDGE OF PAVEMENT
1" = 1'-0"

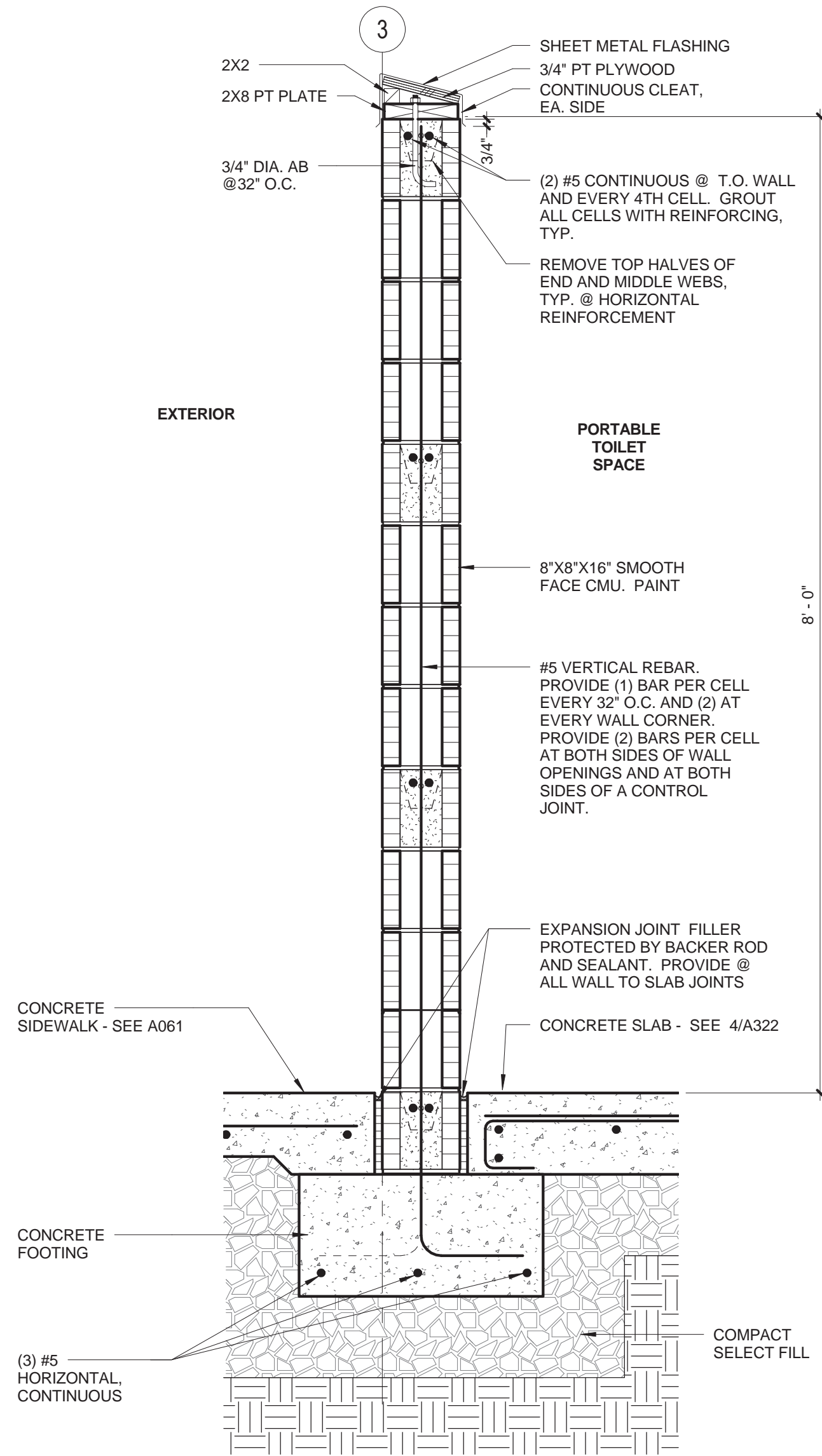


2 DETAIL - EDGE OF PAVEMENT
1" = 1'-0"



1 DETAIL - TYP. BALL NET SLEEVE DETAIL
1" = 1'-0"

PROJECT NO:	1415.00	REVISIONS:	
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6 CMU WALL SECTION 1" = 1'-0"

EXTERIOR

PORTABLE TOILET SPACE

8'-0"

CONCRETE SIDEWALK - SEE A061

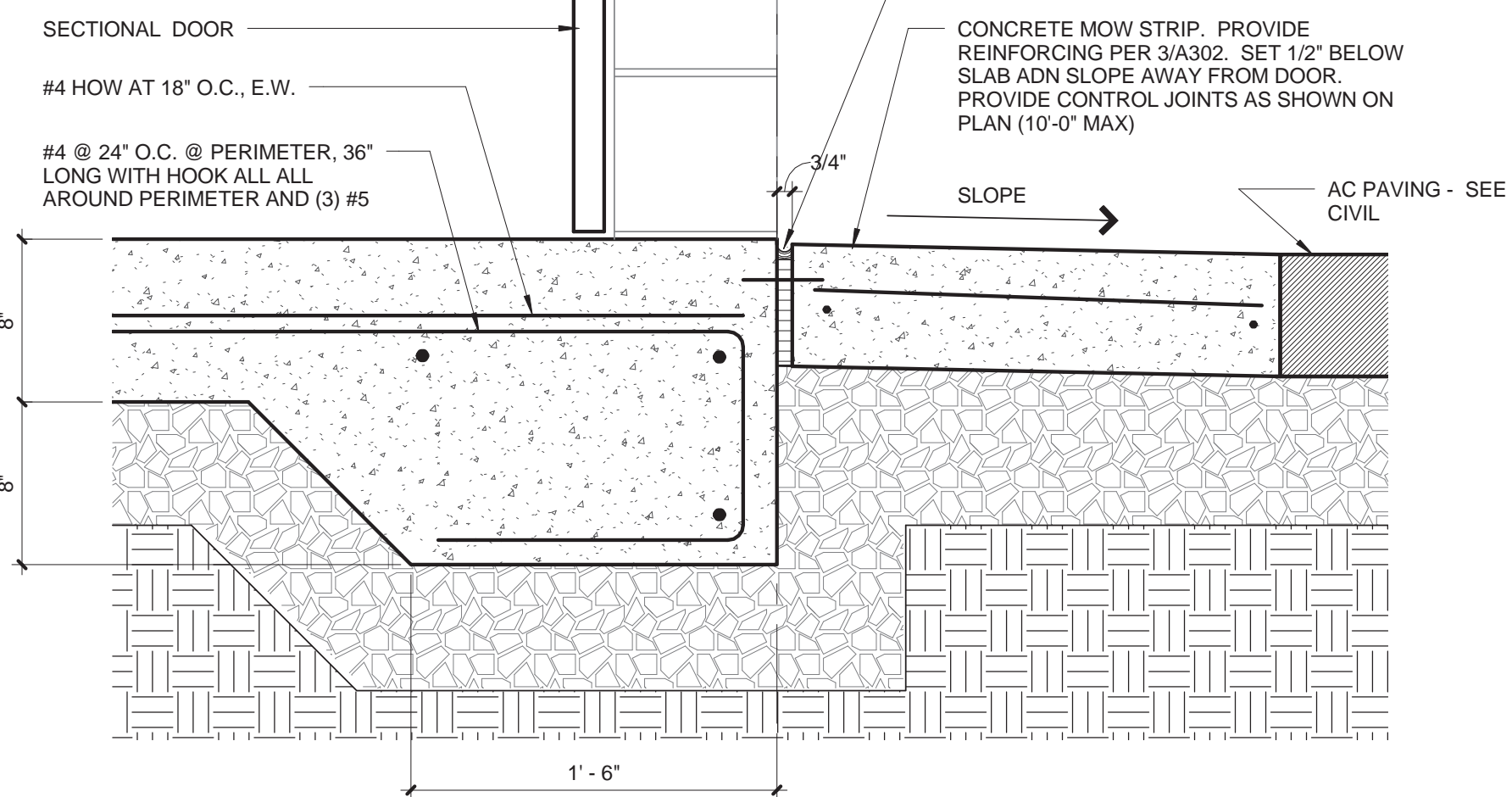
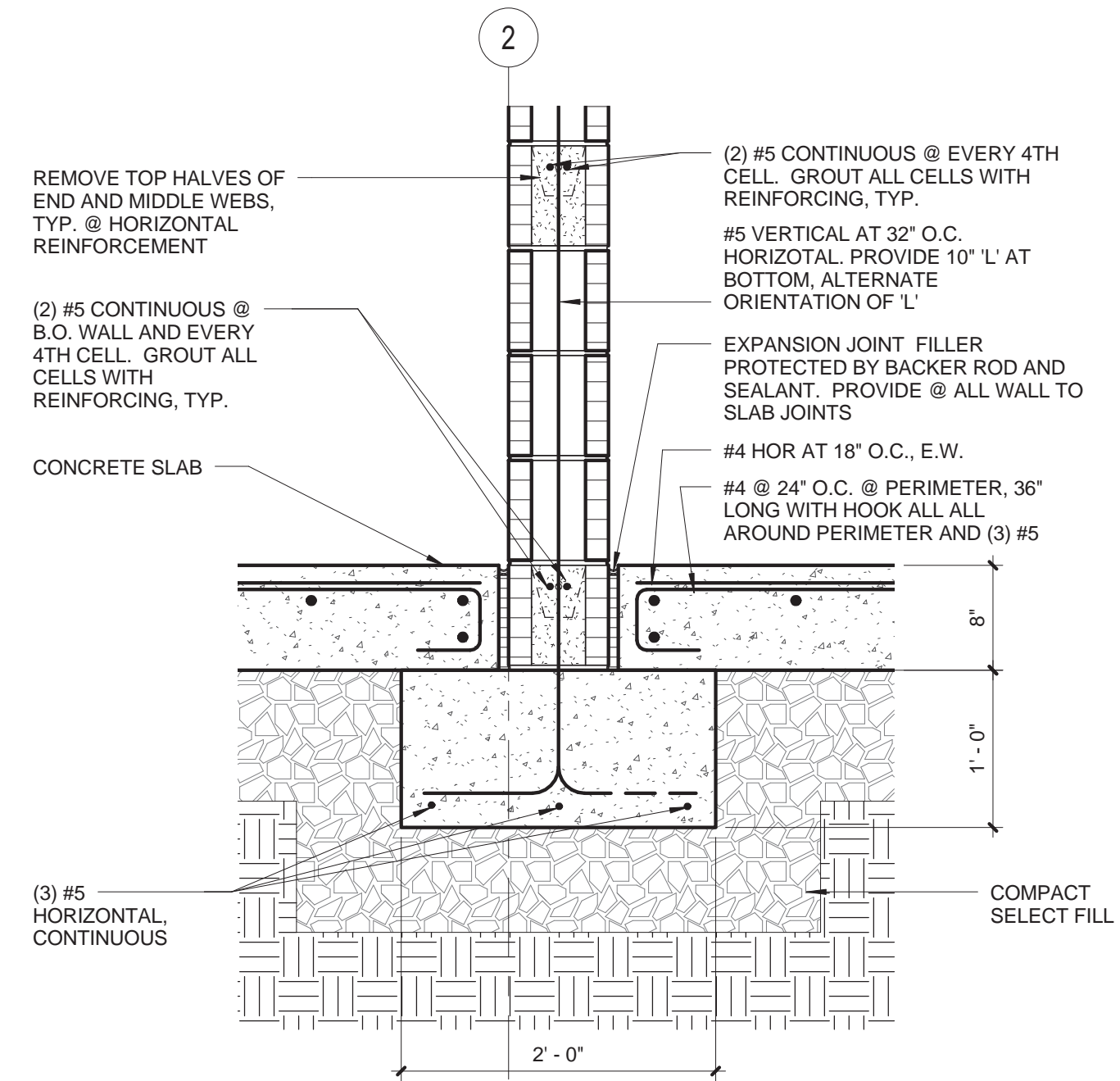
CONCRETE SLAB - SEE 4/A322

CONCRETE FOOTING

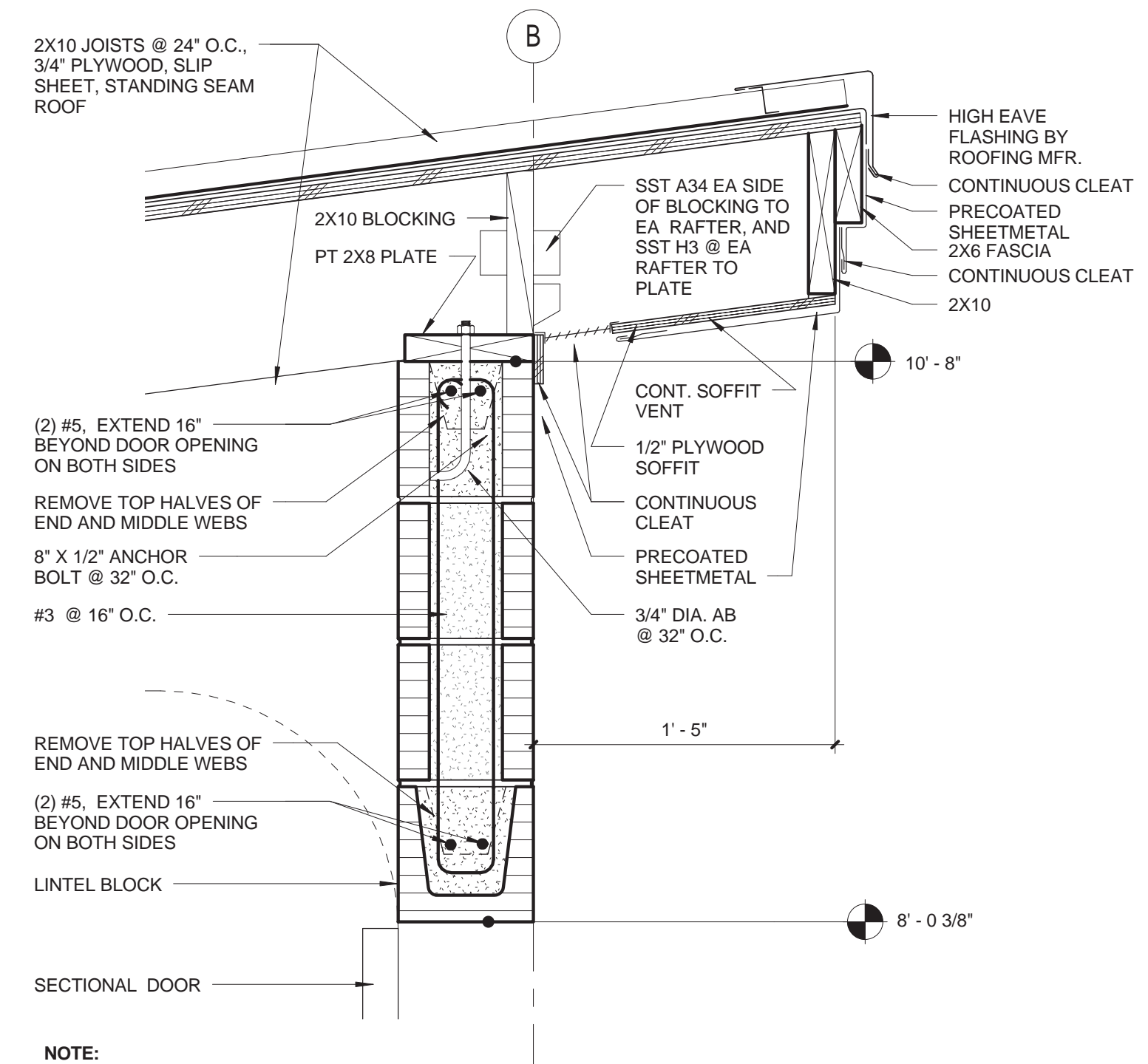
(3) #5 HORIZONTAL CONTINUOUS

COMPACT SELECT FILL

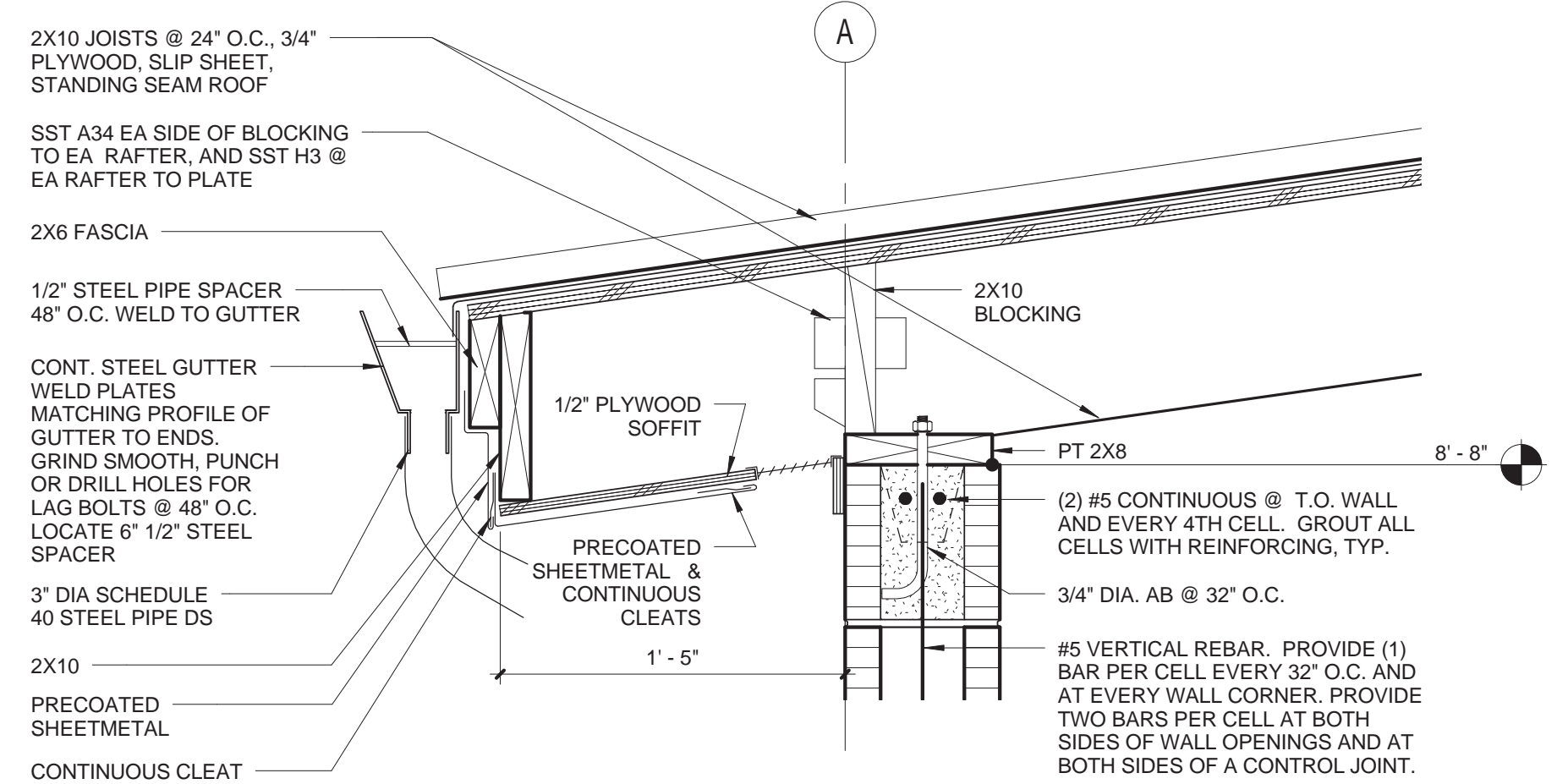
4 FOOTING @ CMU WALL 1" = 1'-0"



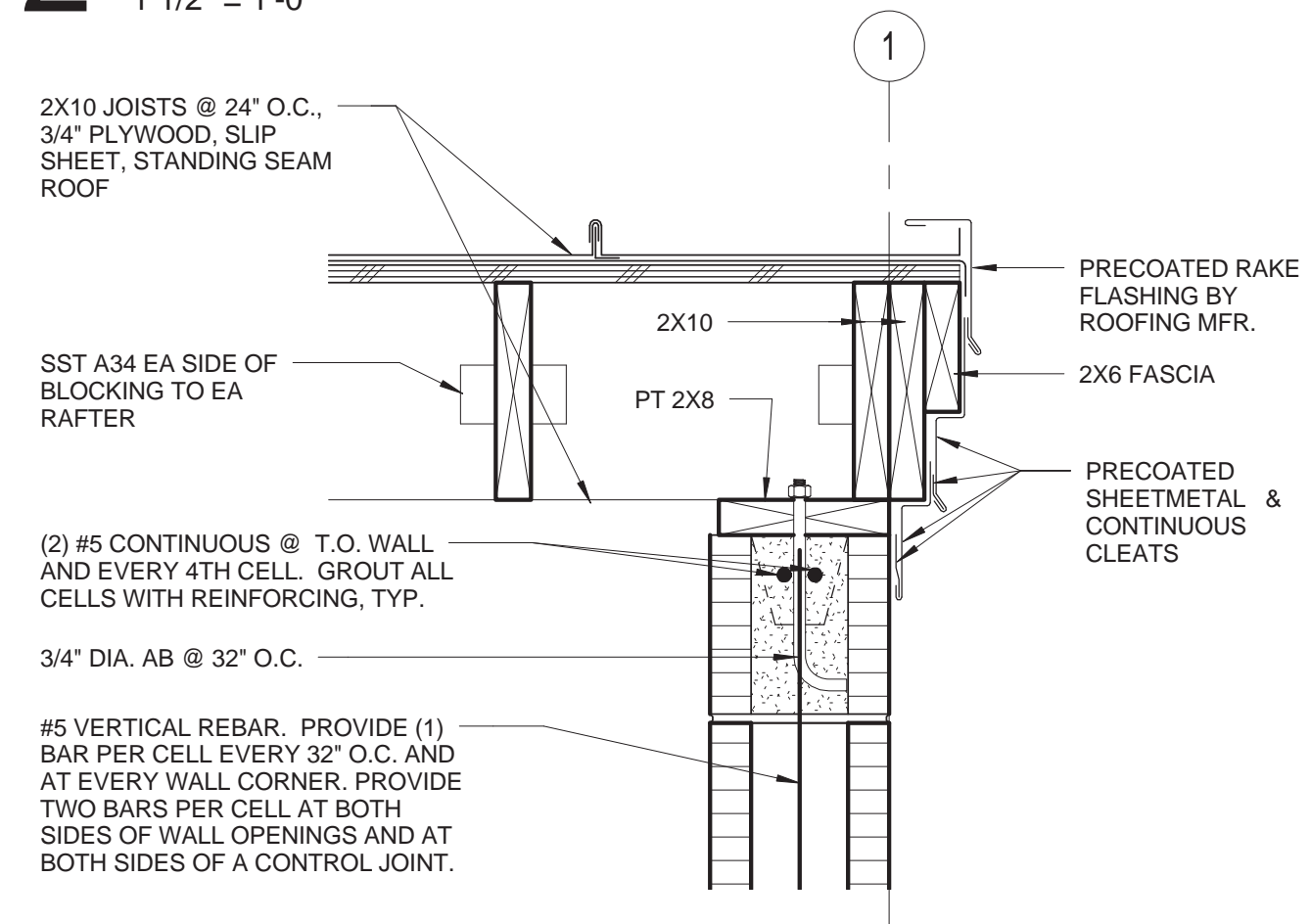
5 FOUNDATION DETAIL AT OVERHEAD DOOR 1 1/2" = 1'-0"



1 HIGH EAVE AND DOOR HEAD 1 1/2" = 1'-0"

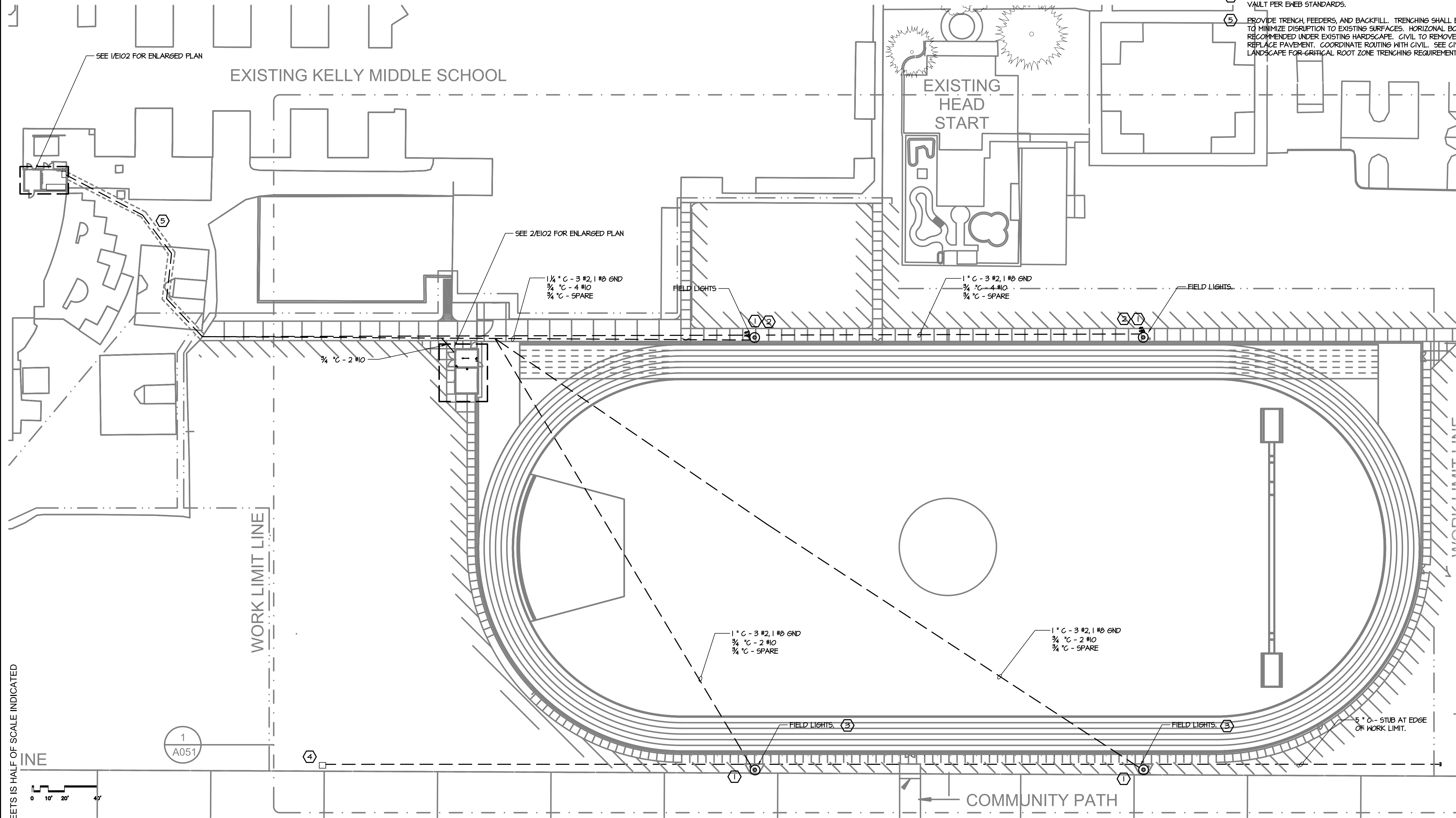


2 GUTTER & EAVE 1 1/2" = 1'-0"



3 EAVE @ RAKE 1 1/2" = 1'-0"

SCALE OF 11 x 17 SHEETS IS HALF OF SCALE INDICATED



REFERENCE NOTES:

- ① PROVIDE PULLBOX AT BASE OF POLE AND EXTEND CIRCUITRY UP POLE TO CONTROL MONITORING CABINET AND CONNECT.
- ② PROVIDE WP/GFI RECEPTACLE AT BASE OF POLE. CIRCUIT TO NEW PANEL.
- ③ POLES ADJACENT TO THE SOUTH PROPERTY LINE MAY BE OF LESSER HEIGHT TO MINIMIZE SPILL INTO ADJACENT PROPERTY. REFER TO SECTION 26 56 68 FOR DETAILS.
- ④ APPROX. LOCATION OF ENEB VAULT NO. V4052. PROVIDE 5" CONDUIT FROM VAULT PER ENEB STANDARDS.
- ⑤ PROVIDE TRENCH, FEEDERS, AND BACKFILL. TRENCHING SHALL BE ROUTED TO MINIMIZE DISRUPTION TO EXISTING SURFACES. HORIZONTAL BORING IS RECOMMENDED UNDER EXISTING HARDSCAPE. CIVIL TO REMOVE AND REPLACE PAVEMENT. COORDINATE ROUTING WITH CIVIL. SEE CIVIL AND LANDSCAPE FOR CRITICAL ROOT ZONE TRENCHING REQUIREMENTS.



EUGENE SCHOOL DISTRICT
 850 HOWARD EUGENE, OREGON 97404
 KELLY MIDDLE SCHOOL TRACK

FIELD LIGHTING PLAN

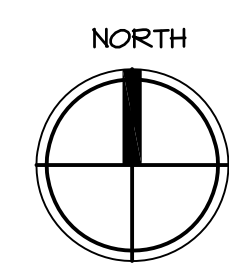
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E101

KELLY MIDDLE SCHOOL - FIELD LIGHTING PLAN 1

SCALE: 1/32" = 1'-0"

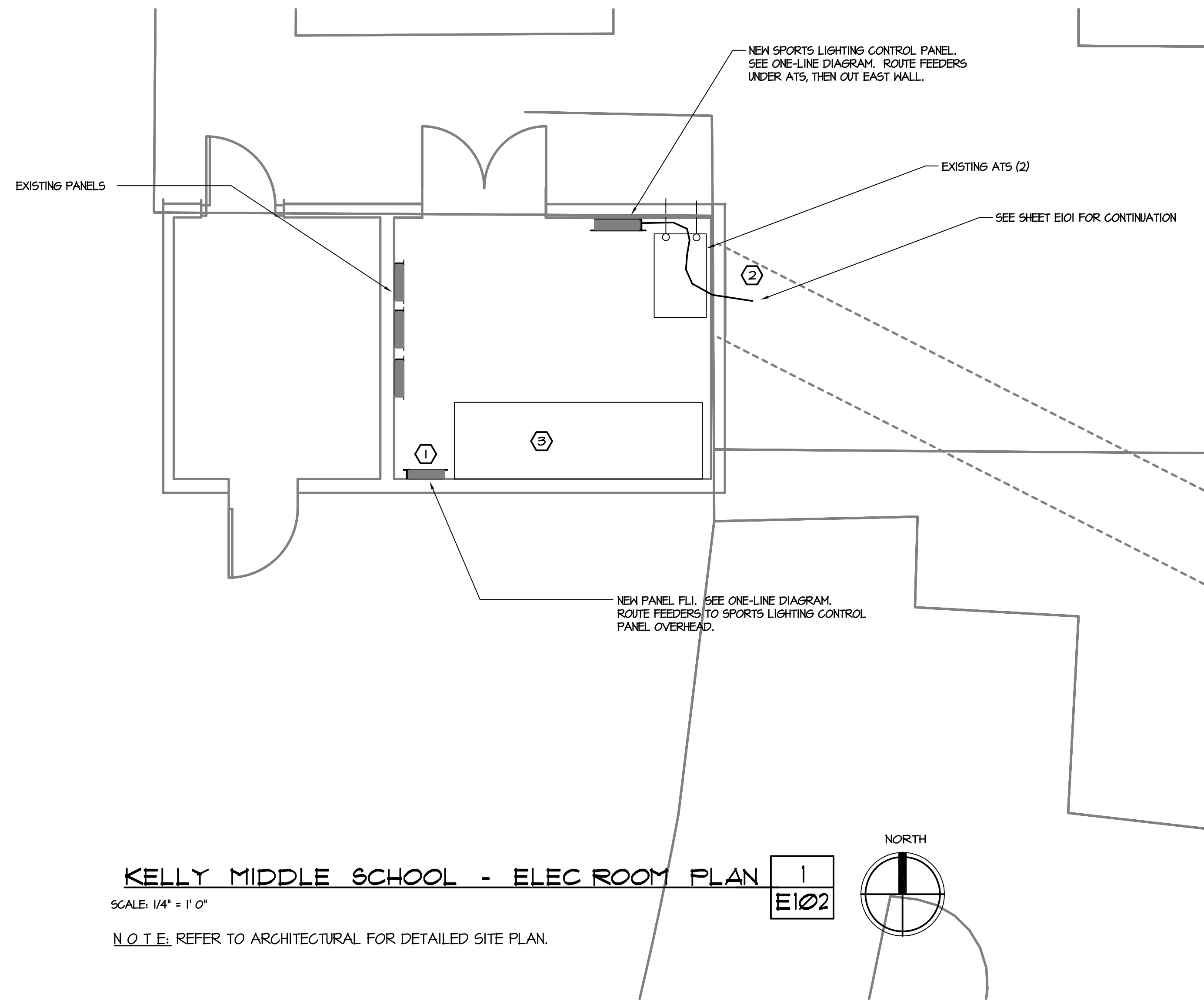
N.O.T.E.: REFER TO ARCHITECTURAL FOR DETAILED SITE PLAN.



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 jeffgraper@jlgengineering.com

SCALE OF 11 x 17 SHEETS IS HALF OF SCALE INDICATED



KELLY MIDDLE SCHOOL - ELEC ROOM PLAN

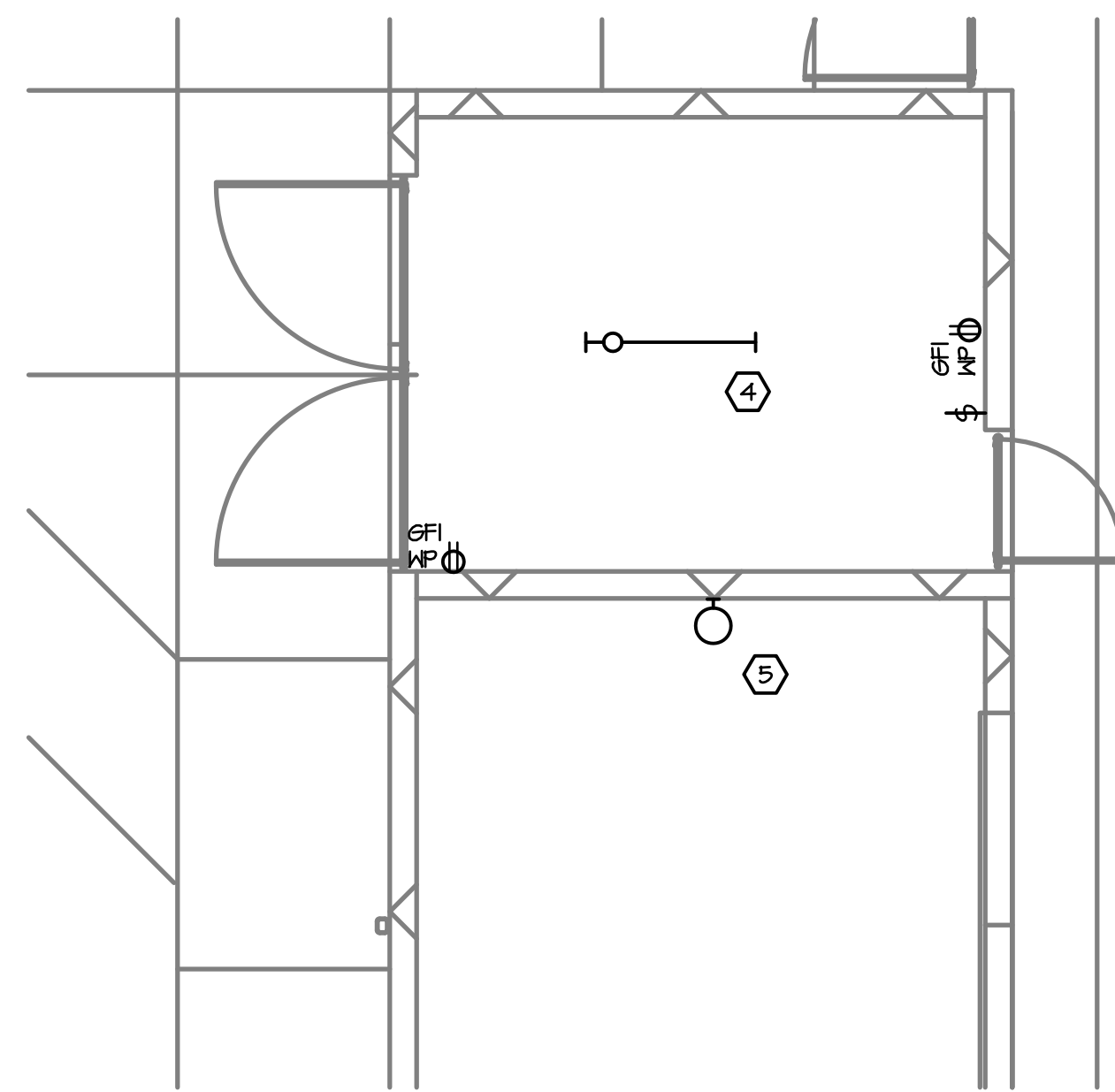
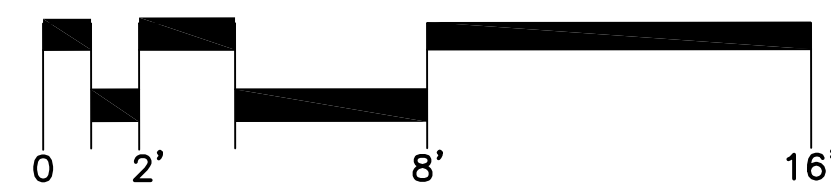
SCALE: 1/4" = 1' 0"

N.O.T.E. REFER TO ARCHITECTURAL FOR DETAILED SITE PLAN.

1
E102

SYMBOLS & ABBREVIATIONS

- NEW CONCEALED RACEWAY AND WIRE. NUMBER OF SLASHES INDICATES NUMBER OF CONDUCTORS IF MORE THAN TWO. SIZE OTHER THAN #12 AS NOTED. UNDERGROUND OR UNDERFLOOR WIRING SHOWN DASHED. (APPLIES TO ALL WIRING SYMBOLS)
- HOMERUN
- PANELBOARD OR ELECTRICAL CABINET
- DISCONNECT SWITCH
- DUPLEX RECEPTACLE - "WP"=WEATHERPROOF, "GFI"=GROUND FAULT INTERRUPTER TYPE, "H"= MOUNTING HEIGHT, "A"=CIRCUIT A, "150"= WITH ISOLATED GROUND, "SRG"= WITH SURGE SUPPRESSION, "TP"= TAMPER PROOF COVER, "L"= LOCKING
- SPORTS LIGHTING POLE AND LUMINAIRE
- STRIP LIGHT
- SWITCH: "A"= CIRCUITS CONTROLLED, "K"= KEY SWITCH, "P"= PILOT LIGHT, "2"= DOUBLE POLE, "3"= THREE-WAY, "M"= AUTOMATIC WALL SWITCH, "D"= DIMMING SWITCH "TS"= DIGITAL TIMER SWITCH
- EQUIPMENT IDENTIFIER, EXHAUST FAN (SHOWN)
- SHEET REFERENCE NOTE
- PLAN OR DETAIL NUMBER
SHEET NUMBER
- ROOM NUMBER
- EXISTING WORK SHOWN LIGHT
- NEW WORK SHOWN BOLD



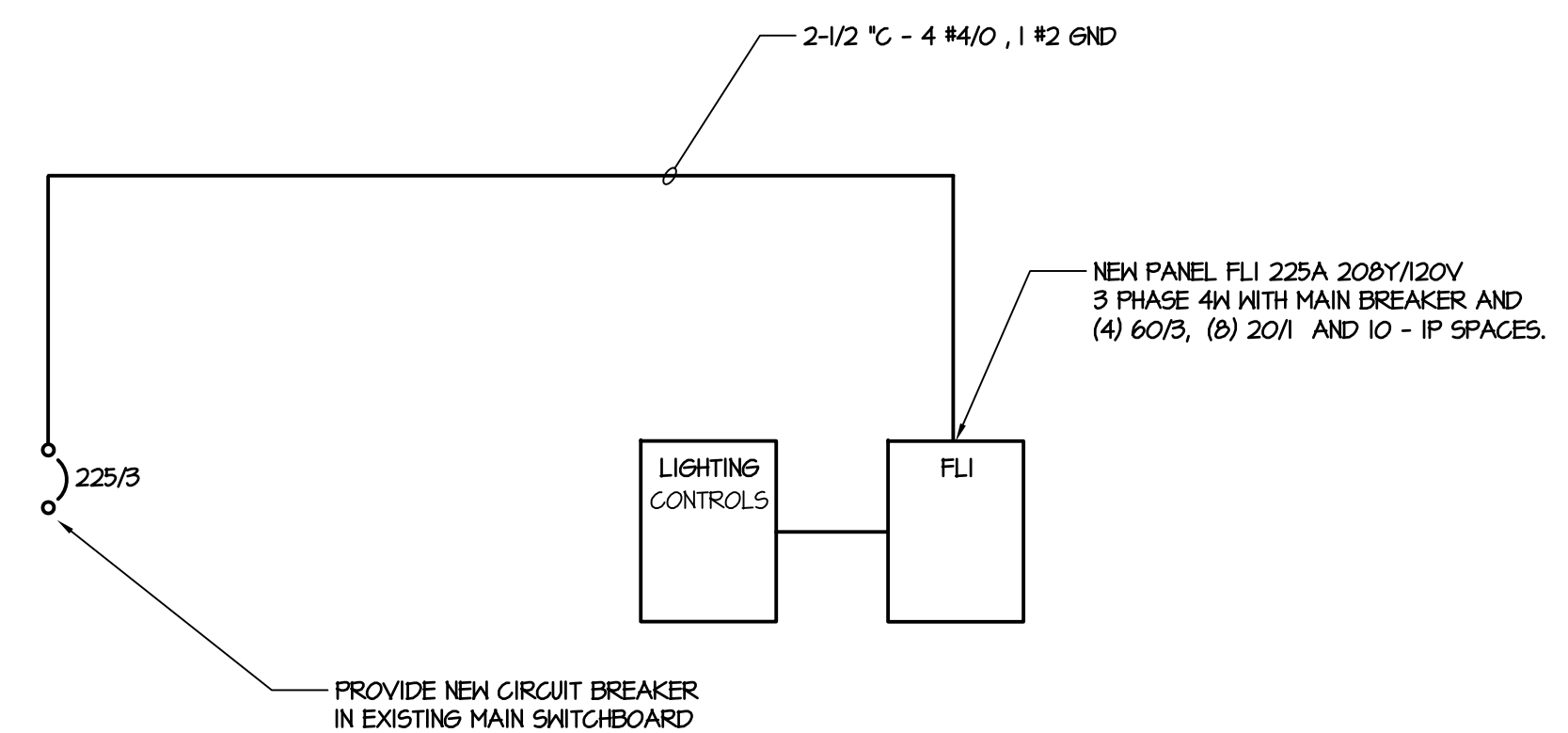
UTILITY BLDG - ELEC PLAN

SCALE: 1/4" = 1' 0"

2
E102

REFERENCE NOTES:

- 1 RELOCATE EXISTING PARKING LIGHTING CONTACTORS (2) AND TIME SWITCH TO CLEAR NEW PANEL. RECONNECT TO EXISTING CIRCUITRY.
- 2 ROUTE FEEDERS TO SPORTS LIGHTING POLES THROUGH WALL. PROVIDE EXTERIOR WP LB FITTINGS, THEN RUN UNDERGROUND TO POLES. SEE SHEET E101
- 3 PROVIDE NEW 225/3 IN EXISTING SPACE FOR NEW PANEL FLI.
- 4 LITHONIA ZL2N-L48-3000LM-MDD-MVOLT 4000K 80CRI WH LENSED STRIP. CONNECT TO LOCAL SWITCHING.
- 5 LITHONIA V6R4C-40LED-4I-GL-MVOLT-DBBT-PE-TRS-LPI WALL MOUNT WITH INTEGRAL FC. CONNECT TO 201 CIRCUIT WITH RECEPTACLES.



PARTIAL ONE-LINE DIAGRAM

NOT TO SCALE

1
E102



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