

ALL ABILITIES TRANE PARK

PHASE 1 - BUILDING + SITE IMPROVEMENTS

CITY OF LA CROSSE

2401 15TH STREET SOUTH LA CROSSE, WI

SHEET INDEX

T001	TITLE SHEET, SHEET INDEX
CIVIL	
C0-10	SITE DATA
C0-20	CIVIL DETAILS
C0-21	CIVIL DETAILS
C0-22	CIVIL DETAILS
C1-10	EROSION CONTROL PLAN (EXISTING)
C1-20	EROSION CONTROL PLAN (PROPOSED)
C2-10	EXISTING SITE OVERVIEW
C3-10	PROPOSED SITE PLAN
C3-20	PROPOSED SITE UTILITY PLAN
C4-10	OVERALL GRADING PLAN
C4-20	DETAILED GRADING PLAN
C4-30	POND GRADING DETAIL

LANDSCAPE	
L001	GENERAL NOTES AND ORIENTATION PLAN
L110	PHASE 1 LANDSCAPE PLAN
L500	LANDSCAPE DETAILS

ARCHITECTURAL	
A100	DEMOLITION PLAN, ELEVATIONS
A101	PARK BUILDING FLOOR PLAN
A102	PARK BUILDING ROOF PLAN
A103	REFLECTED CEILING PLAN
A200	EXTERIOR ELEVATIONS
A300	BUILDING SECTIONS
A310	WALL SECTIONS
A400	INTERIOR ELEVATIONS

STRUCTURAL	
S100	FOUNDATION PLAN
S200	ROOF FRAMING PLAN
S300	STRUCTURAL DETAILS

PLUMBING	
P100	PLUMBING SYMBOLS AND DEMO PLAN
P101	UNDERFLOOR PLAN AND ISOMETRICS
P102	FLOOR PLAN AND ISOMETRICS
P103	PLUMBING SCHEDULES

MECHANICAL	
M100	MECHANICAL SYMBOLS AND DEMO PLAN
M101	UNDERFLOOR DUCT PLAN
M102	FIRST FLOOR PLAN AND DETAILS
M103	MECHANICAL SCHEDULES

ELECTRICAL	
E00	SITE LIGHTING PHOTOMETRICS
E100	ELECTRICAL SYMBOLS AND DEMO PLAN
E101	ELECTRICAL SITE PLAN
E102	SHELTER LIGHTING PLAN AND SCHEDULE
E103	SHELTER POWER PLAN AND SCHEDULES

MATERIALS INDEX

EARTH			
CONCRETE			
MASONRY			
WOOD			
INSULATION			
METAL			
MISC.			

SYMBOL LEGEND

	ROOM NAME
	ROOM NUMBER
	KEYED NOTE
	WINDOW TYPE
	WALL TYPE
	DOOR NUMBER
	DETAIL NUMBER
	SECTION NUMBER

ARCHITECTURAL ABBREVIATIONS

A.B.	ANCHOR BOLT	E.A.	EACH	I.D.	INSIDE DIAMETER	P.L.B.	PLUMBING	THK.	THICKNESS
A/C	AIR CONDITIONING	E.F.	EACH FACE	I.E.	INVERT ELEVATION	P.L.F.	POUNDS PER LINEAL FOOT	T.O.	TOP OF
ACT	ACQUISITION	E.F.S.	EXTERIOR FINISH	I.F.	INSIDE FACE	P.N.L.	PANEL	T.O.L.	TOP OF LEDGE
A.F.F.	ABOVE FINISHED FLOOR	E.F.S.	EXTERIOR FINISH	I.F.	INSIDE FACE	P.N.L.	PANEL	T.O.F.	TOP OF FOOTING
ALUM.	ALUMINUM	EL	ELEVATION	INC.	INCLUDE(D), INCLUDING	PROJ	PROJECT, PROJECTED	T.O.S.	TOP OF STEEL
ALT	ALTERNATE	ELEC.	ELECTRICAL	INSUL.	INSULATED, INSULATION	PROP	PROPERTY	T.O.W.	TOP OF WALL
AP	ACCESS PANEL	ELEV.	ELEVATION	INT	INTERIOR	PSF	POUNDS PER SQUARE FOOT	T.O.W.	TOP OF WALL
APPROX	APPROXIMATE(LY)	EPDM	ETHYLENE, PROPYLENE, DIENE	JST.	JOIST	PSI	POUNDS PER SQUARE INCH	TPP	TYPICAL
ASPH	ASPHALT	EPI	EXTRUDED POLYSTYRENE	JT	JOINT	P.T.	PRESSURE TREATED	UH	UNIT HEATER
B.D.G.	BOARD	INSULATION	INSULATION	KCJ	KEYED CONSTRUCTION JOINT	P.V.C.	POLYVINYL CHLORIDE	U.N.O.	UNLESS NOTED OTHERWISE
BLDG.	BUILDING	EQUIP	EQUIPMENT	KIT	KITCHEN	P.V.M.	PAVEMENT	V.B.	VAPOR BARRIER
B.A.	BEAM, BENCH MARK	E.W.	EACH WAY	K.O.	KNOCKOUT	P.W.D.	PLYWOOD	V.C.T.	VINYL COMPOSITION TILE
B.O.	BOTTOM OF	EWC	ELECTRIC WATER COOLER	K.W.Y.	KEYWAY	Q.T.	QUARRY TILE	V.P.C.	VINYL PANEL CEILING
B.O.	BOTTOM OF	EXH	EXHAUST	L	LENGTH	R	RADIUS, RISER	VERT.	VERTICAL
B.O.	BOTTOM OF	EXT	EXTENDING	LAV	LAVATORY	RA	RETURN AIR	W	WATER
BS	BOTH SIDES	EXP	EXPANDED, EXPANSION	LOC.	LOCATE	R.D.	ROOF DRAIN	W/	WITH
BSMT.	BASEMENT	EXT.	EXTERIOR	LOC.	LOCATE	RDM	RANDOM	WD.	WOOD
BTWN.	BETWEEN	FAC	FIRE ACCESS CABINET	LL	LIVE LOAD	RE	REFER TO	WF	WIDE FLANGE
C/C	CENTER TO CENTER	F.D.	FLOOR DRAIN	LL.H.	LONG LEG HORIZONTAL	REF.	REFERENCE, REFRIGERATOR	W/O	WITHOUT
C.I.P.	CAST IN PLACE	F.E.	FIRE EXTINGUISHER	LL.V.	LONG LEG VERTICAL	REIN	REINFORCING, REINFORCED,	WP.	WATERPROOFING
C.F.	CUBIC FEET	F.F.	FIRE EXTINGUISHER	LT. WT.	LIGHT WEIGHT	RSF	REINFORCEMENT	WP.C.	WOOD PANEL CEILING
CJ	CONTROL JOINT	FIN.	FINISH	MANUF.	MANUFACTURER	REQD	REQUIRED	WSCT	WAINSCOT
CL	CENTERLINE	F.O.	FINISH OPENING	M.B.	MACHINE BOLT	REV.	REVISE, REVISION	WT.	WEIGHT
C.L.	CLEAR	FRM.	FRAMING	MAX	MAXIMUM	R.O.	ROUGH OPENING	WTF	WELDED WIRE FABRIC
CLK	CAULKING	FLR	FLOOR	M.B.	MACHINE BOLT	R.O.	ROUGH OPENING		
CMU	CONCRETE MASONRY UNIT	FLUR	FLUORESCENT	MECH	MECHANICAL	RVL	REVEAL		
CMHT	CEMENT	FDN	FOUNDATION	MEMB	MEMBRANE	SA	SUPPLY AIR		
CO	CLEANOUT	F.S.	FAR SIDE	MEZ.	MEZZANINE	SC	SOLID CORE		
COL	COLUMN	FT	FOOT (FEET)	MFR.	MANUFACTURER	SCHD	SCHEDULE		
CONC.	CONCRETE	FTG	FOOTING, FITTING	MNL	MANUAL	SCHD	SCHEDULE		
CONTIN.	CONTINUE, CONTINUOUS	FUT.	FUTURE	MISC.	MISCELLANEOUS	SECT.	SECTION		
CONST.	CONSTRUCTION	G	GAS	M.O.	MASONRY OPENING	SF	SQUARE FOOT		
CR	CURB RAMP	GALV.	GALVANIZED	MTL	METAL	SH	SHIELD, SHELVE, SHOWER		
CRPT.	CARPET	G.C.	GENERAL CONTRACTOR	N.J.C.	NOT IN CONTRACT	SHT	SHEET		
CT	CERAMIC TILE	GL	GLASS, GLAZING	N.O.M.	NOMINAL	S.M.S.	SHEET METAL SCREENS		
CTR.	CENTER	GYP BD.	GYPSON WALL BOARD	NS	NEAR SIDE	S.M.G.	SLAB ON GRADE		
CY	CUBIC YARD	GYP	GYPSON	N.T.S.	NOT TO SCALE	SPEC	SPECIFICATIONS		
DBL	DOUBLE	H.	HOLE	O.C.	ON CENTER	SPR	SPEAKER		
DET.	DETAIL	H.B.	HOLLOW CORE	O.D.	OUTSIDE DIAMETER	SQ	SQUARE		
DIA.	DIAMETER	H.C.	HOLLOW CORE	O.F.	OUTSIDE FACE	SS	STAINLESS STEEL		
DIAG.	DIAGONAL	H.D.	HEAD	O.P.	OPENING	STD	STANDARD		
DN	DOWN	HDWR.	HARDWARE	O.H.	OVERHEAD, OVERHANG	STC	SOUND TRANSMISSION		
DN	DOWN	HGT.	HEIGHT	O/O.P.G.	OPENING, OPENING	STL	STEEL		
DR	DOOR, DRAIN	H.M.	HOLLOW METAL	OPP.	OPPOSITE	STRUC.	STRUCTURAL		
DS	DOWN SPOUT	HORIZ.	HORIZONTAL	OSB	ORIENTED STRAND BOARD	SUSP	SUSPENDED		
DTAL	DETAIL	HR	HOUR	PART	PARTITION	SY	SQUARE YARD		
DW	DRAINWASHER	HTG	HEATING	PCF	POUNDS PER CUBIC FOOT	SYM.	SYMMETRICAL		
DWALL	DRAWING	HVAC	HEATING, VENTILATING, AIR	PEP	PERPENDICULAR	T	TREAD		
DWLS.	DOWELS	HW	HOT WATER	PL	PLATE	T + G	TONGUE AND GROOVE		
		H.W.S.	HEATED WELDED STUDS	PL	PLATE	T.B.	TILE BACKER BOARD		
		HYD	HYDRANT	PLAM	PLASTIC LAMINATE	TBD	TO BE DETERMINED		
				PLAS	PLASTIC	TEL	TELEPHONE		
						T/G	TONGUE AND GROOVE		

ARCHITECT:
RIVER ARCHITECTS, INC.
740 7TH STREET NORTH
LA CROSSE, WISCONSIN 54601
608.785.2217

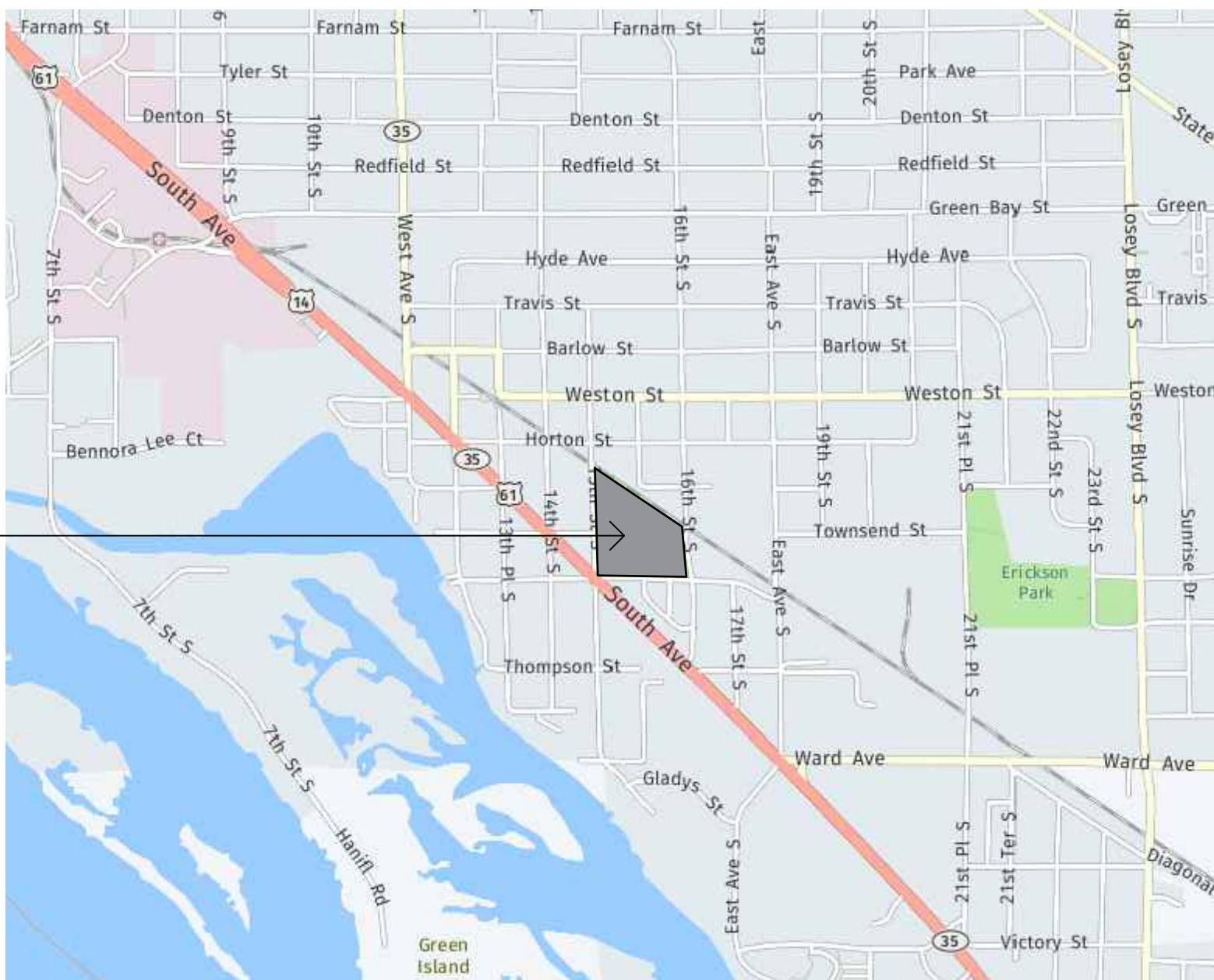
CIVIL ENGINEER:
I&S GROUP
201 MAIN ST.
LA CROSSE, WISCONSIN 54601
608.789.2034

LANDSCAPE ARCHITECT:
DAMON FARBER
401 - 2ND AVENUE NORTH, SUITE 410
MINNEAPOLIS, MN 55401
612.332.7522

STRUCTURAL ENGINEER:
OTIE
5100 EASTPARK BOULEVARD, SUITE 300
MADISON, WI 53718
608.241.6723

MECHANICAL / ELECTRICAL / PLUMBING ENGINEER:
GALILEO CONSULTING GROUP, LLC
2045 32ND STREET SOUTH
LA CROSSE, WISCONSIN 54601
608.787.9106

PROJECT SITE



PROJECT LOCATION MAP



PRELIMINARY
NOT FOR CONSTRUCTION

ALL ABILITIES TRANE PARK
PH. 1 - BUILDING + SITE IMPROVEMENTS
CITY OF LA CROSSE, WI

PROJECT NO. 1410
DATE Aug. 3, 2018
DRAWN BY CLF
CHECKED BY MWS

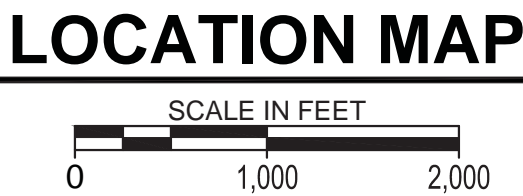
SHEET NO.
T001

river ARCHITECTS
740 7th Street North La Crosse, WI 54601 - 3366 Tel 608 785-2217



CITY OF
LA CROSSE, WISCONSIN

PROJECT LOCATION



PROJECT LOCATION:

ALL OF BLOCK A, BLOCK 1 & BLOCK 2,
M. FUNKS ADD, PART OF THE NE-SE,
SEC 8 / T15 N / R7W

SITE SUMMARY		
ZONING:	PS PUBLIC & SEMI-PUBLIC	
SITE/LOT AREA:	286,800 SQ. FT / 6.58 AC.	
IMPERVIOUS AREA:	45,800 SQ. FT / 1.05 AC.	
SETBACKS		
	PARKING	BUILDING
FRONT YARD	5'	10'
SIDE YARD	5'	10'
REAR YARD	5'	10'

PROJECT GENERAL NOTES

- ALL WORK SHALL CONFORM TO THE CONTRACT DOCUMENTS, WHICH INCLUDE, BUT ARE NOT LIMITED TO, THE OWNER - CONTRACTOR AGREEMENT, THE PROJECT MANUAL (WHICH INCLUDES GENERAL SUPPLEMENTARY CONDITIONS AND SPECIFICATIONS), DRAWINGS OF ALL DISCIPLINES AND ALL ADDENDA, MODIFICATIONS AND CLARIFICATIONS ISSUED BY THE ARCHITECT/ENGINEER.
- CONTRACT DOCUMENTS SHALL BE ISSUED TO ALL SUBCONTRACTORS BY THE GENERAL CONTRACTOR IN COMPLETE SETS IN ORDER TO ACHIEVE THE FULL EXTENT AND COMPLETE COORDINATION OF ALL WORK.
- WRITTEN DIMENSIONS TAKE PRECEDENCE OVER SCALED DIMENSIONS. NOTIFY ARCHITECT/ENGINEER OF ANY DISCREPANCIES OR CONDITIONS REQUIRING INFORMATION OR CLARIFICATION BEFORE PROCEEDING WITH THE WORK.
- FIELD VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS. NOTIFY ARCHITECT/ENGINEER OF ANY DISCREPANCIES OR CONDITIONS REQUIRING INFORMATION OR CLARIFICATION BEFORE PROCEEDING WITH THE WORK.
- DETAILS SHOWN ARE INTENDED TO BE INDICATIVE OF THE PROFILES AND TYPE OF DETAILING REQUIRED THROUGHOUT THE WORK. DETAILS NOT SHOWN ARE SIMILAR IN CHARACTER TO DETAILS SHOWN. WHERE SPECIFIC DIMENSIONS, DETAILS OR DESIGN INTENT CANNOT BE DETERMINED, NOTIFY ARCHITECT/ENGINEER BEFORE PROCEEDING WITH THE WORK.
- ALL MANUFACTURED ARTICLES, MATERIALS AND EQUIPMENT SHALL BE APPLIED, INSTALLED, CONNECTED, ERECTED, CLEANED AND CONDITIONED ACCORDING TO MANUFACTURERS' INSTRUCTIONS. IN CASE OF DISCREPANCIES BETWEEN MANUFACTURERS' INSTRUCTIONS AND THE CONTRACT DOCUMENTS, NOTIFY ARCHITECT/ENGINEER BEFORE PROCEEDING WITH THE WORK.
- ALL DISSIMILAR METALS SHALL BE EFFECTIVELY ISOLATED FROM EACH OTHER TO AVOID GALVANIC CORROSION.
- THE LOCATION AND TYPE OF ALL INPLACE UTILITIES SHOWN ON THE PLANS ARE FOR GENERAL INFORMATION ONLY AND ARE ACCURATE AND COMPLETE TO THE BEST OF THE KNOWLEDGE OF I & S GROUP, INC. (ISG). NO WARRANTY OR GUARANTEE IS IMPLIED. THE CONTRACTOR SHALL VERIFY THE SIZES, LOCATIONS AND ELEVATIONS OF ALL INPLACE UTILITIES PRIOR TO CONSTRUCTION. CONTRACTOR SHALL IMMEDIATELY NOTIFY ENGINEER OF ANY DISCREPANCIES OR VARIATIONS FROM PLAN.
- THE CONTRACTOR IS TO CONTACT "DIGGER'S HOTLINE" FOR UTILITY LOCATIONS, MINIMUM 3 BUSINESS DAYS PRIOR TO ANY EXCAVATION / CONSTRUCTION (811 OR 1-800-242-8511).



SPECIFICATIONS REFERENCE

ALL CONSTRUCTION SHALL COMPLY WITH THE CITY OF LA CROSSE STANDARD SPECIFICATIONS, CURRENT EDITION; WISDOT STANDARD SPECIFICATIONS, 2018 EDITION; WISDOT CONSTRUCTION AND MATERIALS MANUAL, CURRENT EDITION; WISCONSIN DEPARTMENT OF SAFETY AND PROFESSIONAL SERVICES STATE PLUMBING CODE, CURRENT EDITION; AND STANDARD SPECIFICATION FOR SEWER & WATER CONSTRUCTION IN WISCONSIN, 6th EDITION, UNLESS DIRECTED OTHERWISE.

PROJECT DATUM

HORIZONTAL COORDINATES HAVE BEEN REFERENCED TO THE NORTH AMERICAN DATUM OF 1983 (NAD83), 2011 ADJUSTMENT (NAD83(2011)) ON THE LA CROSSE COUNTY COORDINATE SYSTEM, IN U.S. SURVEY FEET.

TOPOGRAPHIC SURVEY

THIS PROJECT'S TOPOGRAPHIC SURVEY CONSISTS OF DATA COLLECTED IN 12/16 BY COULEE REGION LAND SURVEYORS.

LEGEND

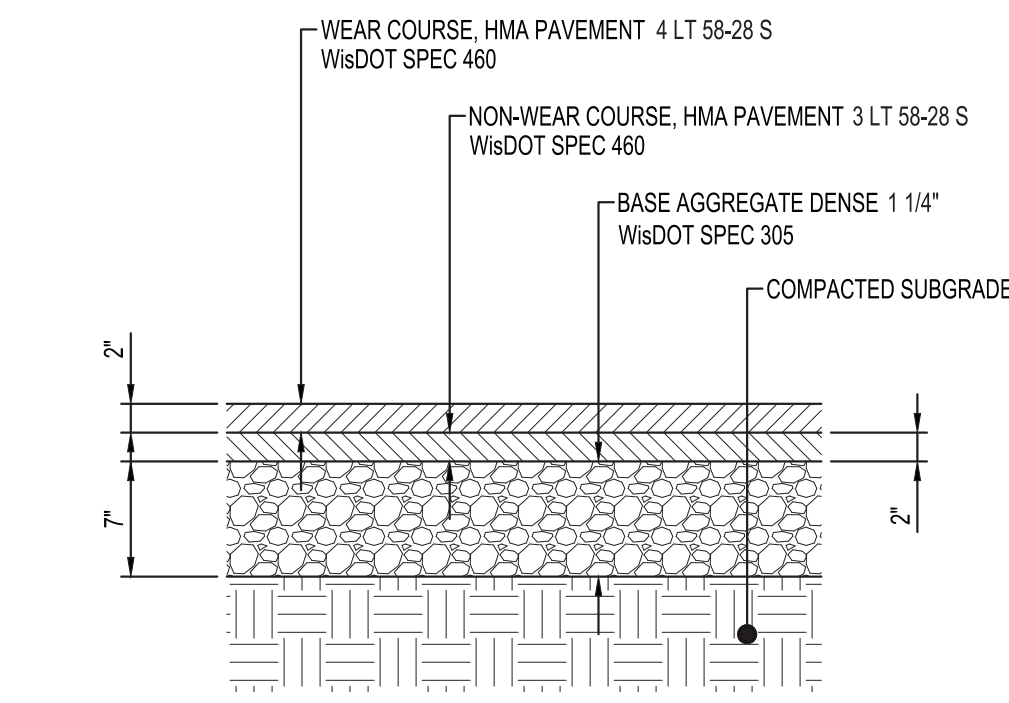
EXISTING	
---	CITY LIMITS
---	SECTION LINE
---	QUARTER SECTION LINE
---	RIGHT OF WAY LINE
---	PROPERTY / LOTLINE
---	EASEMENT LINE
---	ACCESS CONTROL
---	WATER EDGE
---	WETLAND BOUNDARY
---	WETLAND / MARSH
---	FENCE LINE
---	CULVERT
---	STORM SEWER
---	SANITARY SEWER
---	SANITARY SEWER FORCEMAIN
---	WATER
---	GAS
---	OVERHEAD ELECTRIC
---	UNDERGROUND ELECTRIC
---	UNDERGROUND TELEPHONE
---	UNDERGROUND TV
---	OVERHEAD UTILITY
---	UNDERGROUND UTILITY
---	UNDERGROUND FIBER OPTIC
---	CONTOUR (MAJOR)
---	CONTOUR (MINOR)
---	DECIDUOUS TREE
---	CONIFEROUS TREE
---	TREE LINE
---	MANHOLE/STRUCTURE
---	CATCH BASIN
---	HYDRANT
---	VALVE
---	CURB STOP
---	POWER POLE
---	UTILITY PEDESTAL / CABINET

PROPOSED

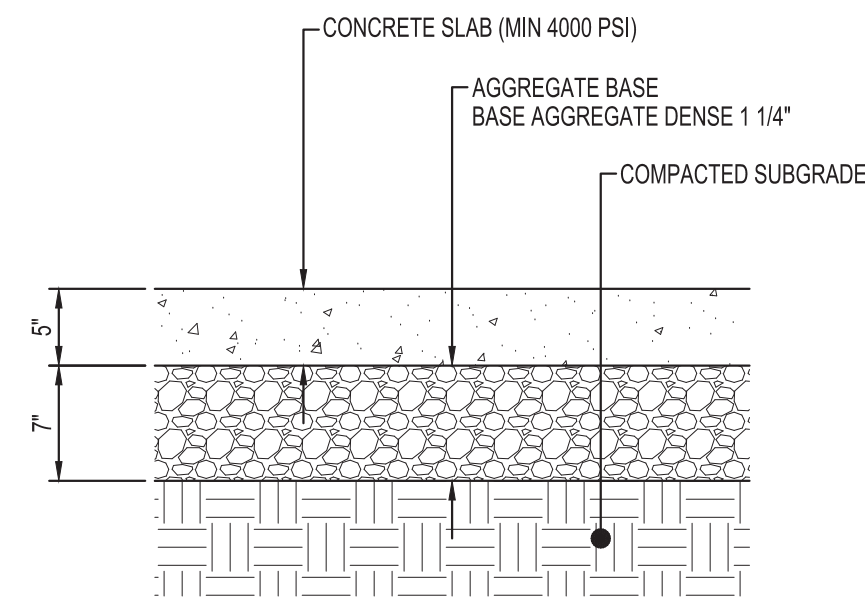
---	LOT LINE
---	RIGHT OF WAY
---	EASEMENT
---	CULVERT
---	STORM SEWER
---	STORM SEWER (PIPE WIDTH)
---	SANITARY SEWER
---	SANITARY SEWER (PIPE WIDTH)
---	WATER
---	GAS
---	OVERHEAD ELECTRIC
---	UNDERGROUND ELECTRIC
---	UNDERGROUND TV
---	CONTOUR
---	MANHOLE
---	CATCH BASIN
---	HYDRANT
---	VALVE

CIVIL SHEET INDEX

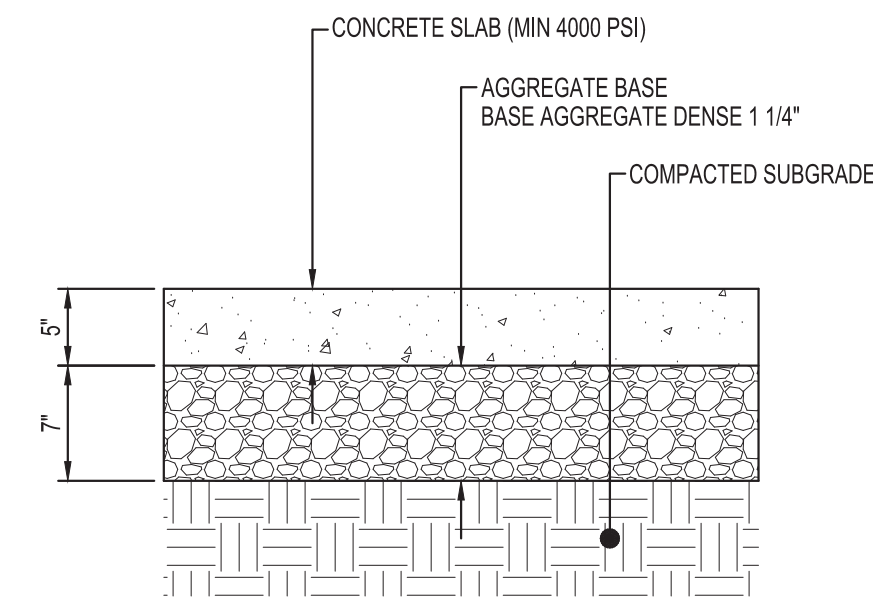
C0-10	SITE DATA
C0-20	CIVIL DETAILS
C0-21	CIVIL DETAILS
C0-22	CIVIL DETAILS
C1-10	EROSION CONTROL PLAN (EXISTING CONDITIONS)
C1-20	EROSION CONTROL PLAN (PROPOSED CONDITIONS)
C2-10	EXISTING SITE OVERVIEW
C3-10	PROPOSED SITE PLAN
C3-20	PROPOSED SITE UTILITY PLAN
C4-10	OVERALL GRADING PLAN
C4-20	DETAILED GRADING PLAN
C4-30	POND GRADING DETAIL



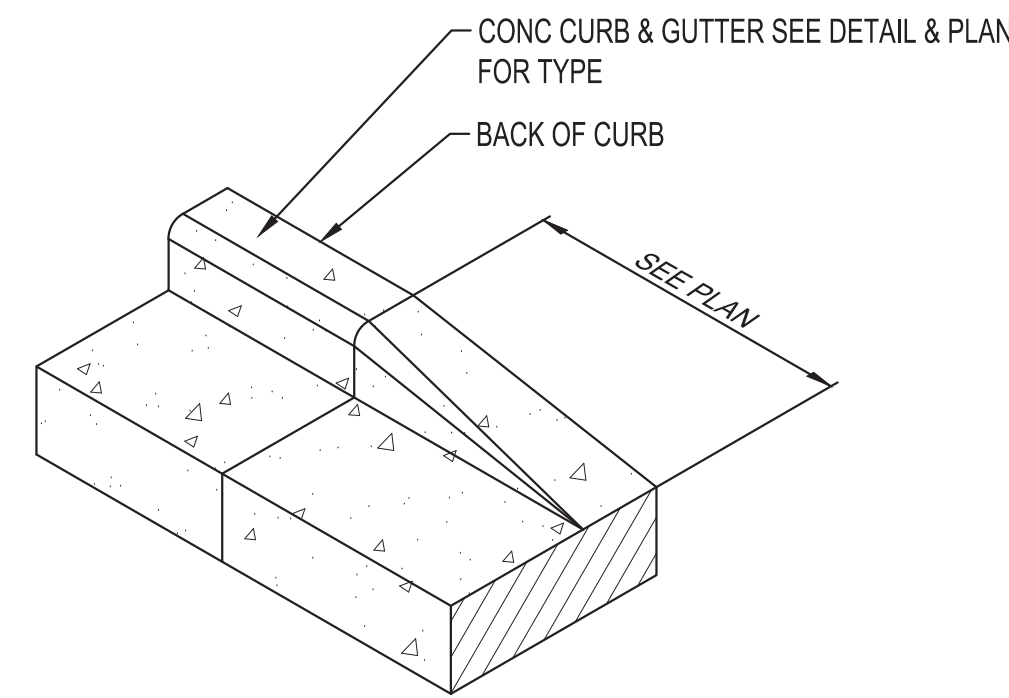
ASPHALT PAVEMENT
NTS ST110



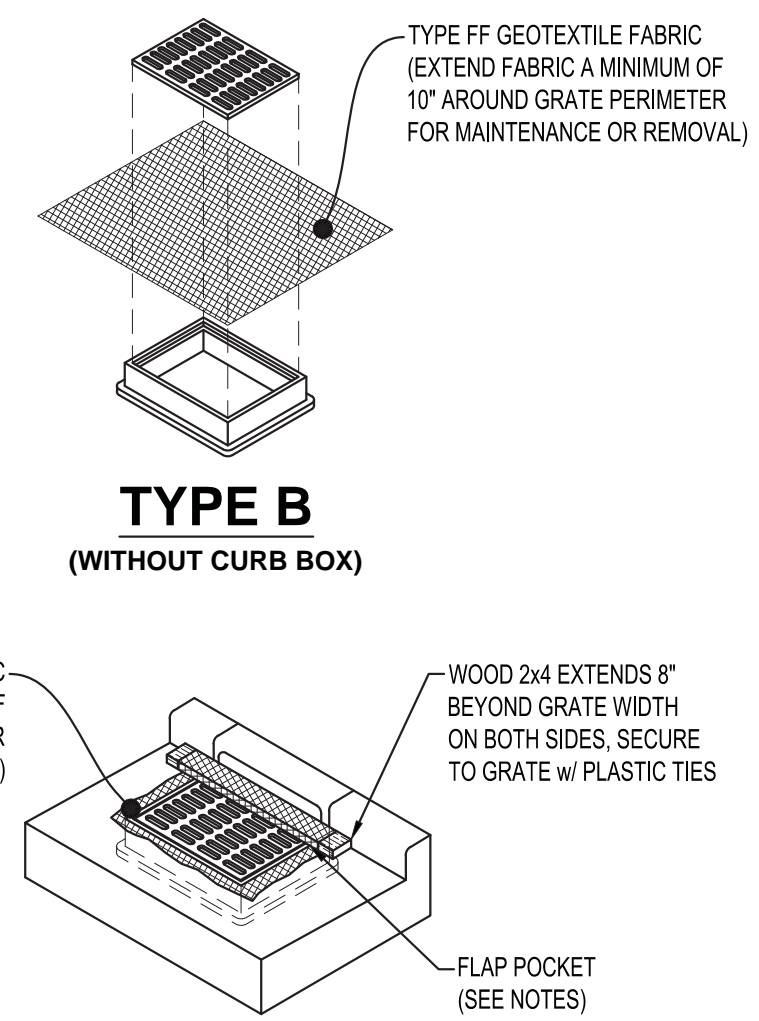
CONCRETE PAVEMENT
NTS ST120



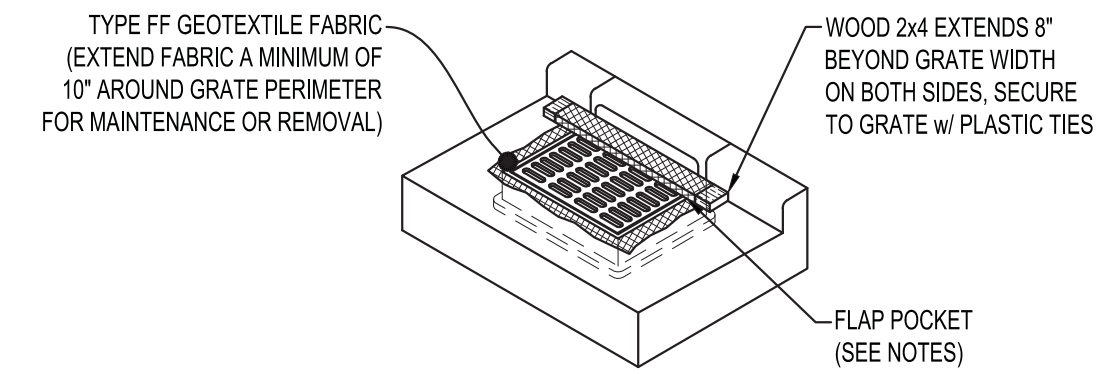
CONCRETE SIDEWALK
NTS ST160



CURB HEAD TRANSITION
NTS ST270



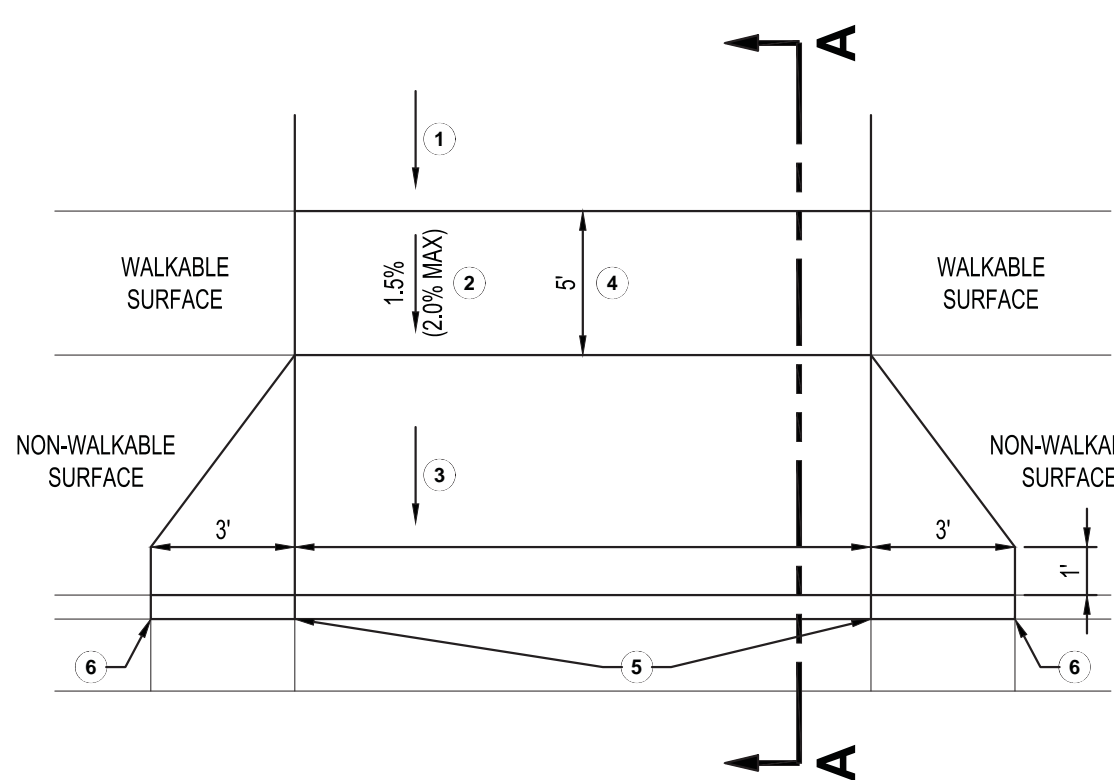
TYPE B
(WITHOUT CURB BOX)



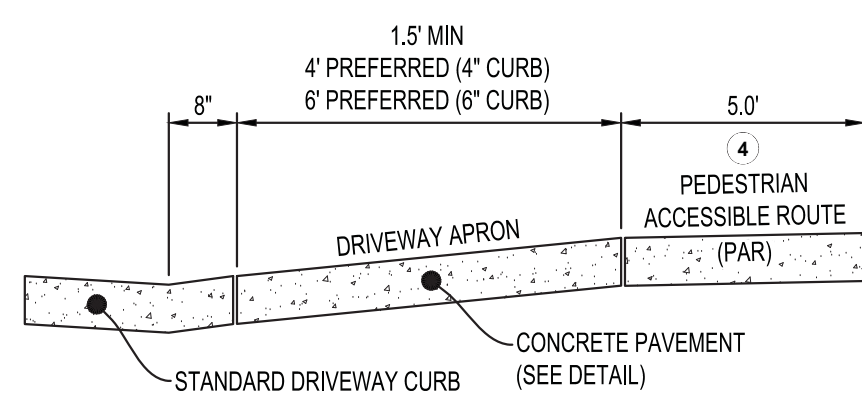
TYPE C
(WITH CURB BOX)

NOTES:
FLAP POCKETS SHALL BE LARGE ENOUGH TO ACCEPT WOOD 2" x 4". THE REBAR, STEEL PIPE, OR WOOD SHALL BE INSTALLED IN THE REBAR FLAP AND SHALL NOT BLOCK THE TOP HALF OF THE CURB FACE OPENING.
WHEN REMOVING OR MAINTAINING INLET PROTECTION, CARE SHALL BE TAKEN SO THAT THE SEDIMENT TRAPPED IN THE FABRIC DOES NOT FALL INTO THE STRUCTURE. MATERIAL THAT HAS FALLEN INTO THE INLET SHALL BE IMMEDIATELY REMOVED.

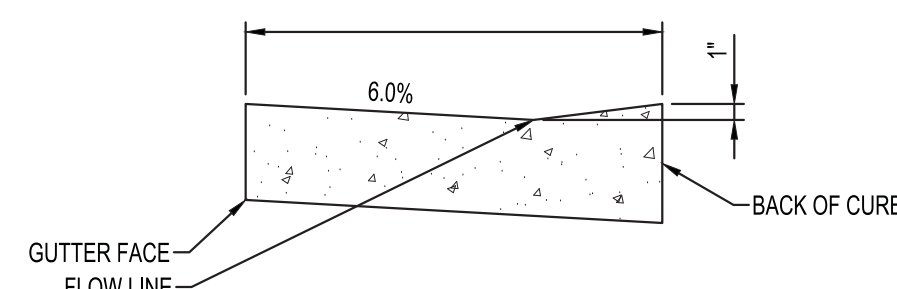
TYPES B & C
INLET PROTECTION
NTS EC221



PLAN

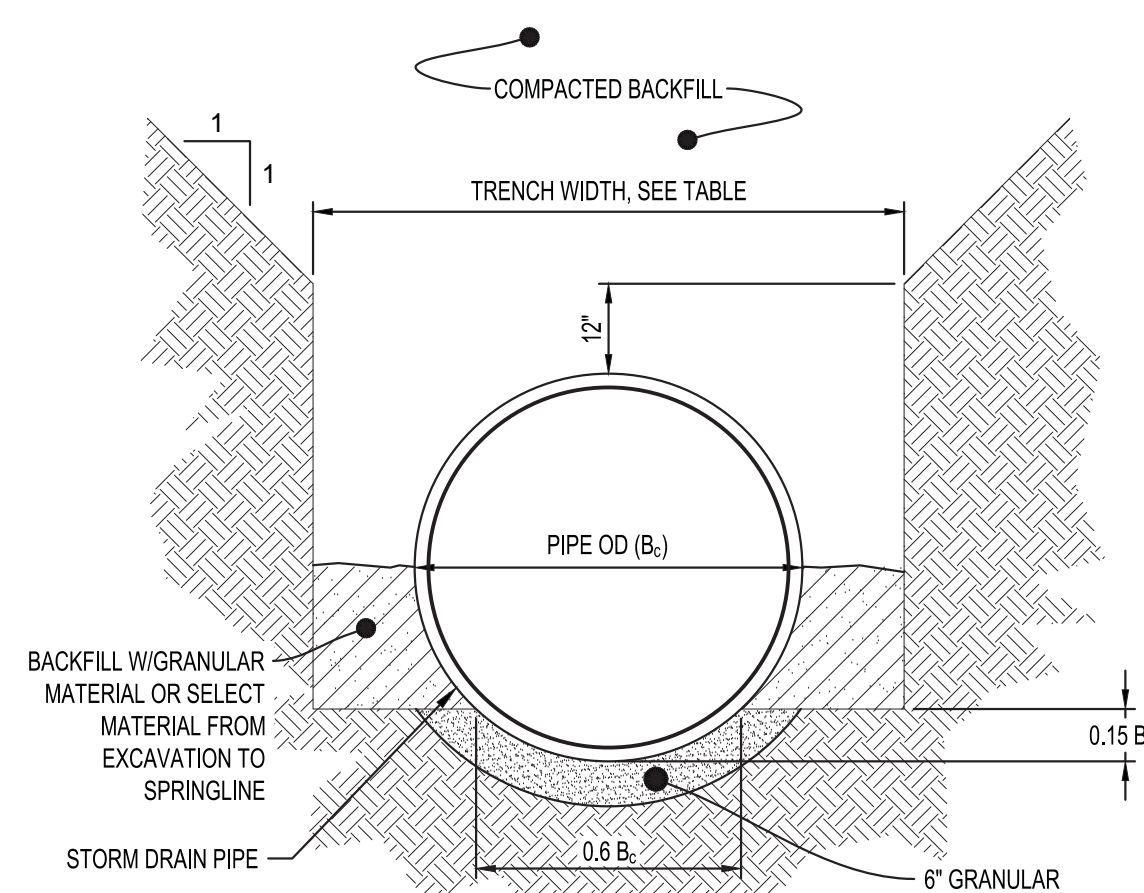


SECTION A-A



STANDARD CURB AT DRIVEWAY

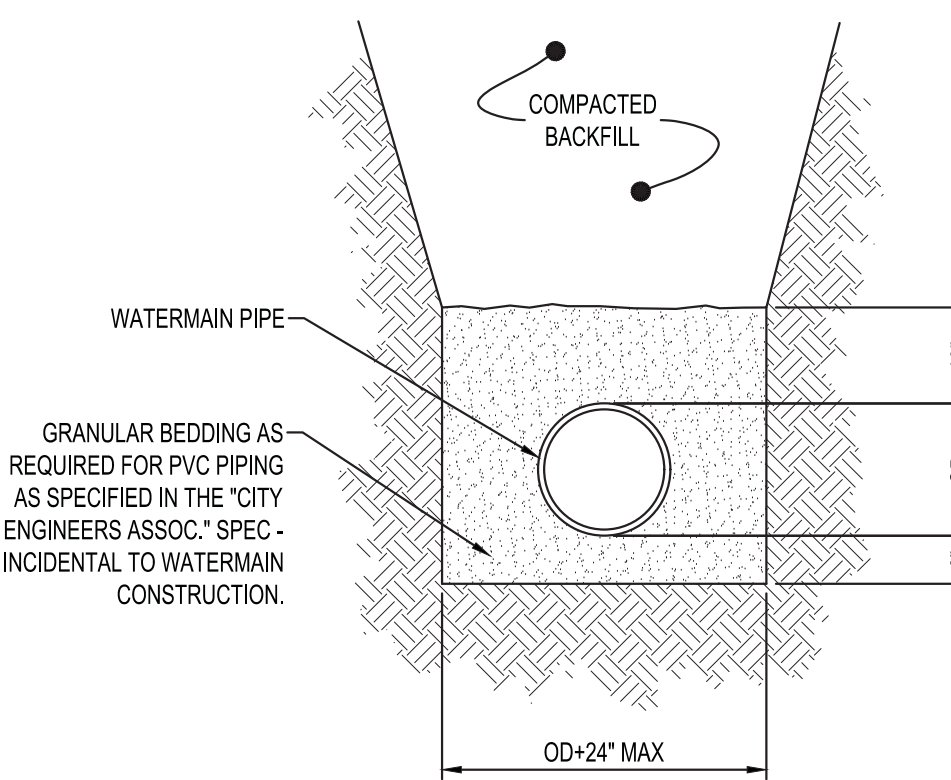
- NOTES:**
- TO BE USED WHEN THE DRIVEWAY PAR IS LEVEL WITH OR ABOVE THE TOP OF CURB, RESULTING IN A CONTINUOUS PAR PROFILE.
 - 8.0% MAX PREFERRED.
 - THE PEDESTRIAN ACCESS ROUTE (PAR) MAY NOT EXCEED 0.02 FT/FT AS CONSTRUCTED.
 - 8.0% MAX PREFERRED, 10.0% MAX FOR COMMERCIAL AND 12.0% MAX FOR RESIDENTIAL.
 - 5.0' STANDARD MIN PAR WIDTH (IF ABSOLUTE MINIMUM). IF FEASIBLE WIDEN DRIVEWAY PAR WIDTH TO MATCH APPROACHING SIDEWALK PAR WIDTHS.
 - 0' CURB HEIGHT.
 - 6' CURB HEIGHT.



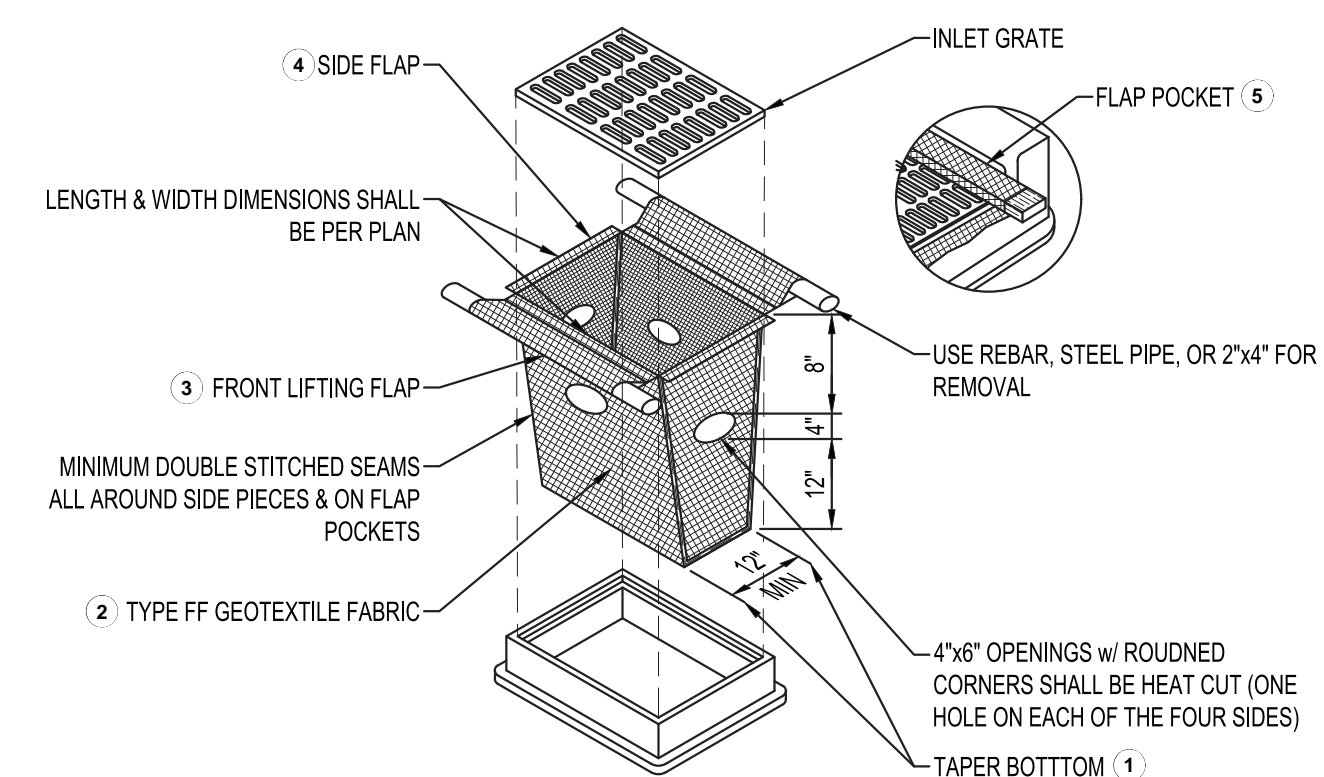
TRENCH WIDTH	
..... TRENCH WIDTH	
36" OR LESS	B _c + 24"
42" TO 54"	1.5 x B _c
60" OR OVER	B _c + 36"

- NOTES:**
- GRANULAR BEDDING AND BACKFILL FOR STORM DRAIN PIPES SHALL BE INCIDENTAL TO STORM DRAIN CONSTRUCTION
- NOTE:**
- GRANULAR BEDDING AND ENCASEMENT FOR WATERMAIN PIPES SHALL BE INCIDENTAL TO CONSTRUCTION

REINFORCED CONCRETE
STORM DRAIN PIPE BEDDING
NTS SD601

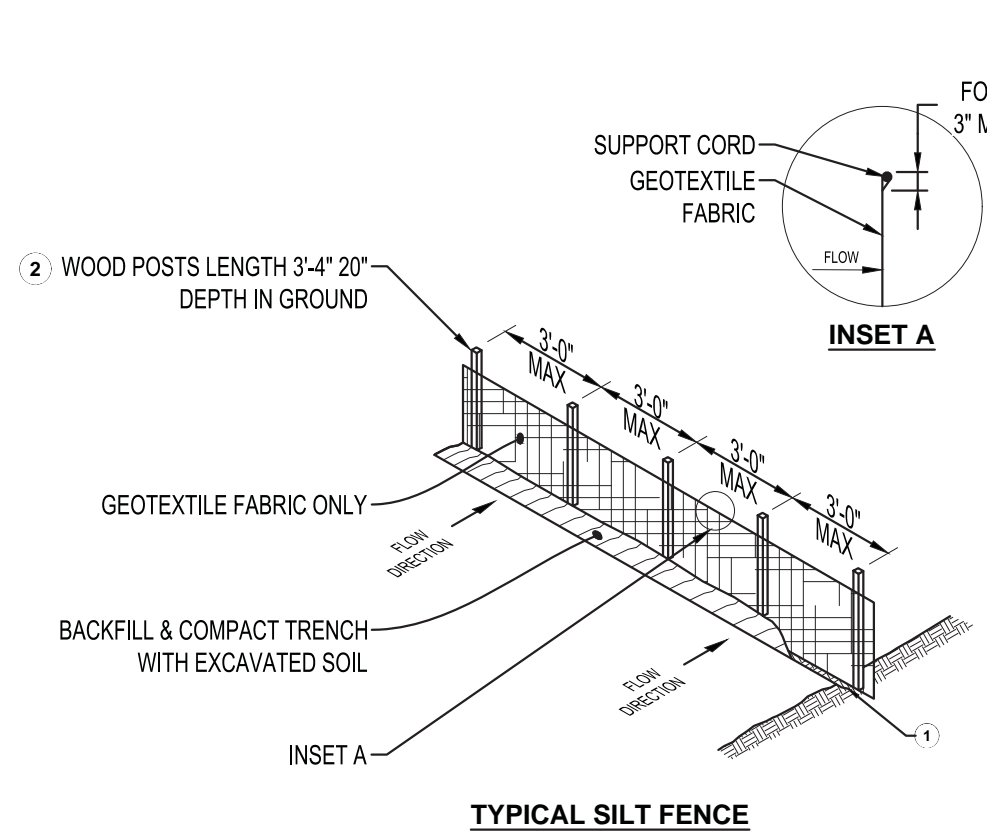


PIPE BEDDING
WATER MAIN
NTS WM300

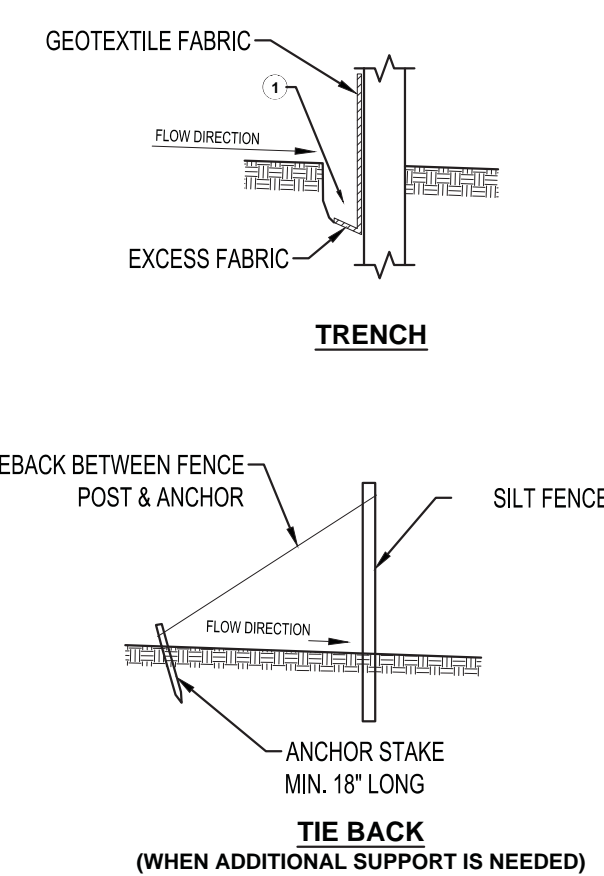


- NOTES:**
- TAPER BOTTOM OF BAG TO MAINTAIN THREE INCHES OF CLEARANCE BETWEEN THE BAG & THE STRUCTURE MEASURED FROM THE BOTTOM OF THE OVERFLOW OPENINGS TO THE STRUCTURE WALL.
 - GEOTEXTILE FABRIC TYPE FF FOR FLAPS, TOP & BOTTOM OF OUTSIDE OF FILTER BAG. FRONT, BACK, & BOTTOM OF FILTER BAG BEING ONE PIECE.
 - FRONT LIFTING FLAP IS TO BE USED WHEN REMOVING & MAINTAINING FILTER BAG.
 - SIDE FLAPS SHALL BE A MAXIMUM OF TWO INCHES LONG. FOLD THE FABRIC OVER & REINFORCE WITH MULTIPLE STITCHES.
 - FLAP POCKETS SHALL BE LARGE ENOUGH TO ACCEPT WOOD 2" x 4". THE REBAR, STEEL PIPE, OR WOOD SHALL BE INSTALLED IN THE REBAR FLAP & SHALL NOT BLOCK THE TOP HALF OF THE CURB FACE OPENING. CAN BE INSTALLED IN INLETS WITH OR WITHOUT CURB BOXES. WHEN REMOVING OR MAINTAINING INLET PROTECTION, CARE SHALL BE TAKEN SO THAT THE SEDIMENT TRAPPED IN THE FABRIC DOES NOT FALL INTO THE STRUCTURE. MATERIAL THAT HAS FALLEN INTO THE INLET SHALL BE IMMEDIATELY REMOVED.

TYPE D
INLET PROTECTION
NTS EC222

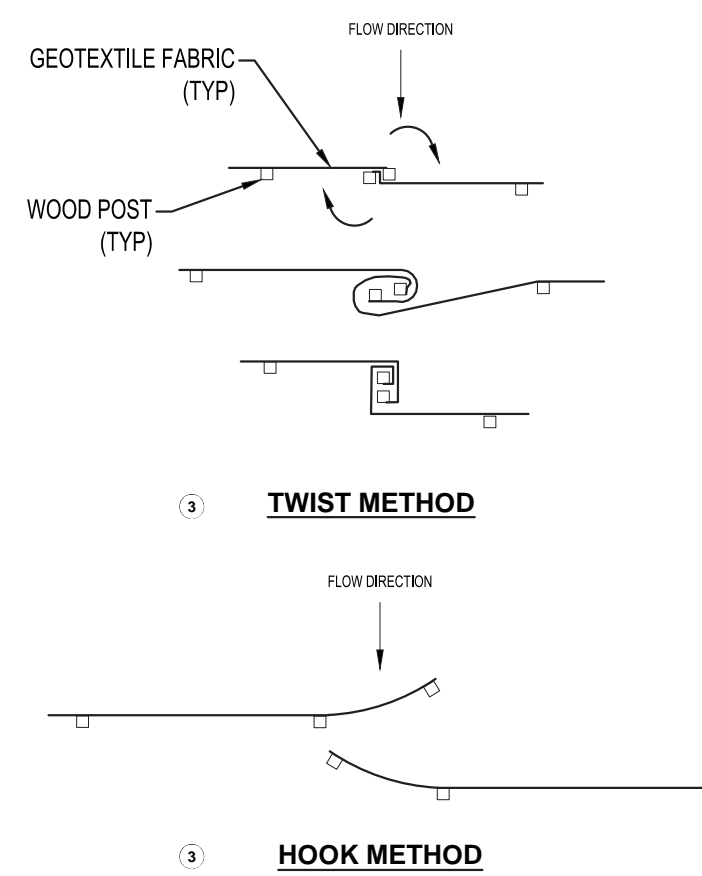


TYPICAL SILT FENCE



TRENCH

TIE BACK
(WHEN ADDITIONAL SUPPORT IS NEEDED)

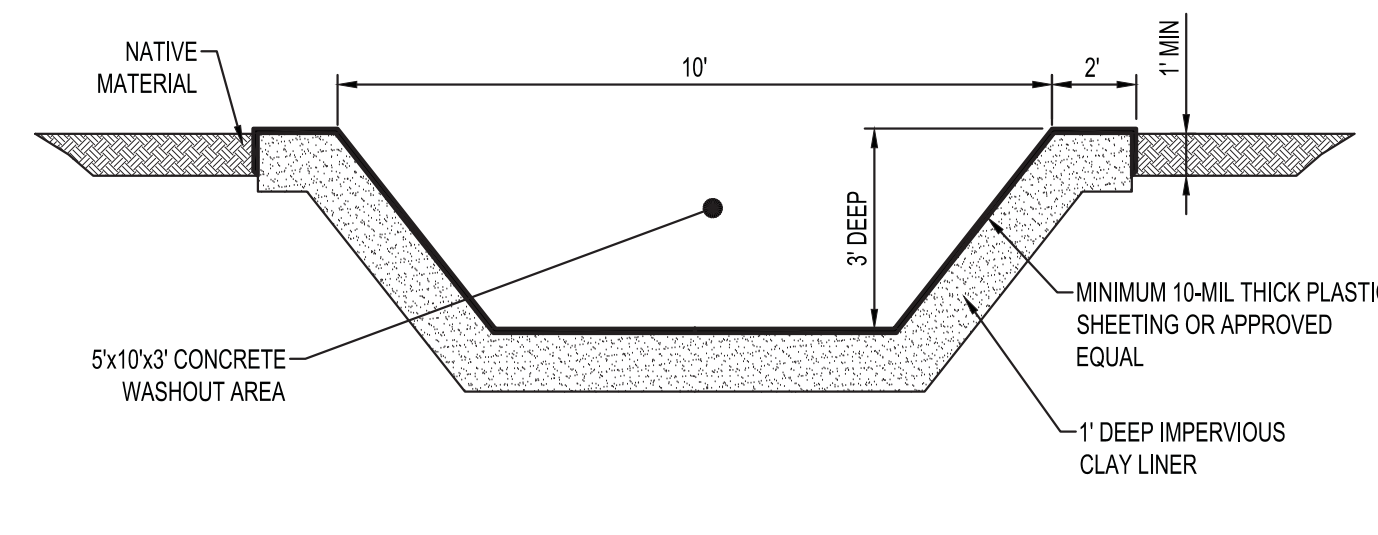


TWIST METHOD

HOOK METHOD

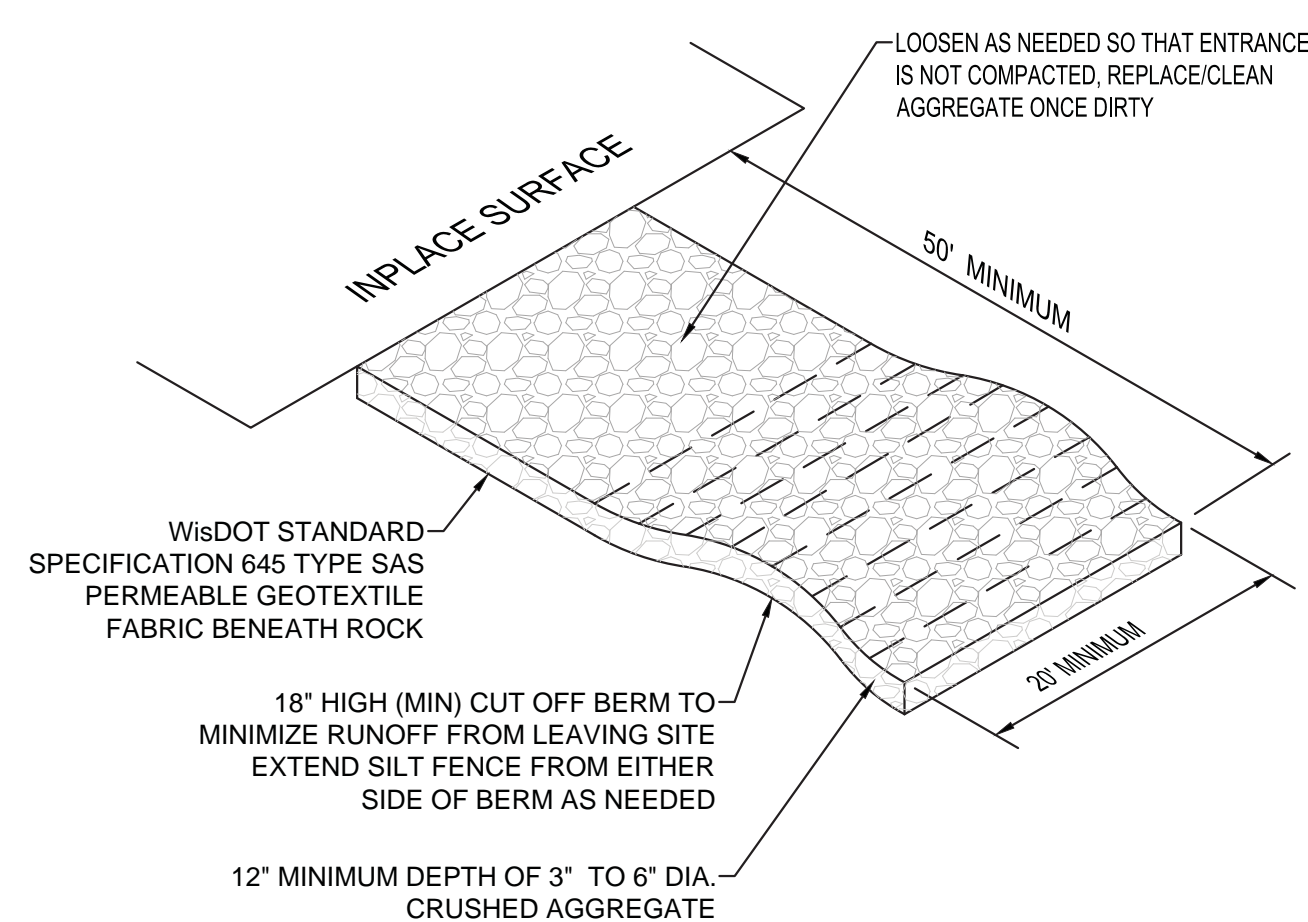
- NOTES:**
- ATTACH FABRIC TO THE POSTS WITH WIRE STAPLES OR WOODEN LATH & NAILS. ADDITIONAL POST DEPTH OR TIE BACKS MAY BE REQUIRED IN UNSTABLE SOILS.
- 8'-0" POST SPACING ALLOWED IF A WOVEN GEOTEXTILE FABRIC IS USED.
- TRENCH SHALL BE A MINIMUM OF 4" WIDE & 6" DEEP TO BURY & ANCHOR TH GEOTEXTILE FABRIC. FOLD MATERIAL TO FIT TRENCH, BACKFILL, & COMPACT TRENCH WITH EXCAVATED SOIL.
 - WOOD POST SHALL BE A MINIMUM SIZE OF 1 1/2" x 1 1/2" OF OAK OR HICKORY.
 - CONSTRUCT SILT FENCE FROM A CONTINUOUS ROLL. IF POSSIBLE BY CUTTING LENGTHS TO AVOID JOINTS. IF A JOINT IS NECESSARY USE ONE OF THE FOLLOWING TWO METHODS.
 - TWIST METHOD - OVERLAP THE END POSTS & TWIST, OR ROTATE AT LEAST 180°.
 - HOOK METHOD - HOOK END OF EACH SILT FENCE LENGTH.

SILT FENCE
NTS EC100

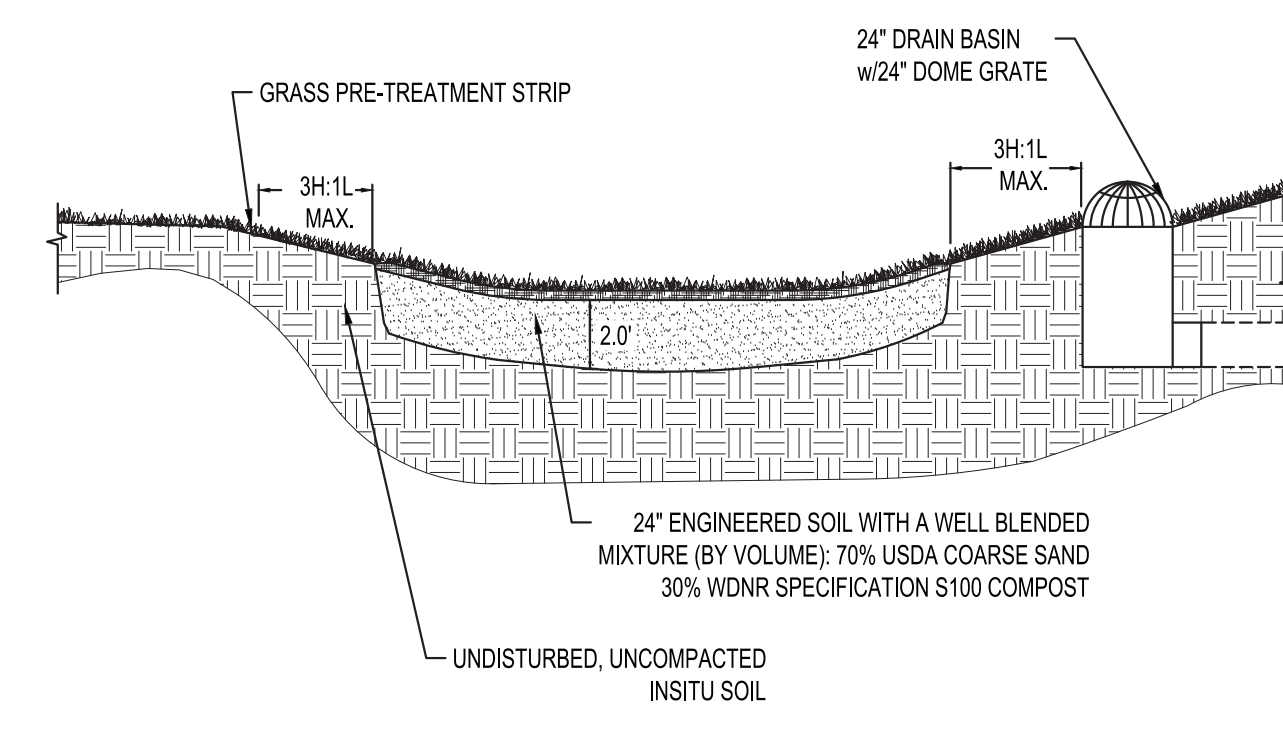


- NOTES:**
- CONTRACTOR SHALL INSTALL A SIGN INDICATING THE CONCRETE WASHOUT AREA.
- CONTRACTOR SHALL MAINTAIN WASHOUT AREA TO REMOVE MATERIALS BEYOND 75% CAPACITY.
- WASHOUT AREA SHALL NOT BE PLACED WITHIN 50' OF STORM DRAINS, OPEN DITCHES OR BODIES OF WATER.
- CONTRACTOR SHALL INSPECT WASHOUT AREA AS NECESSARY TO PREVENT LEAKS AND OVER TOPPING.
- WASHOUT AREA SHALL BE REMOVED AFTER CONSTRUCTION IS COMPLETE.

CONCRETE WASHOUT
NTS EC500



STONE TRACKING PAD
NTS EC600



BIO-INFILTRATION BASIN
NTS SD750

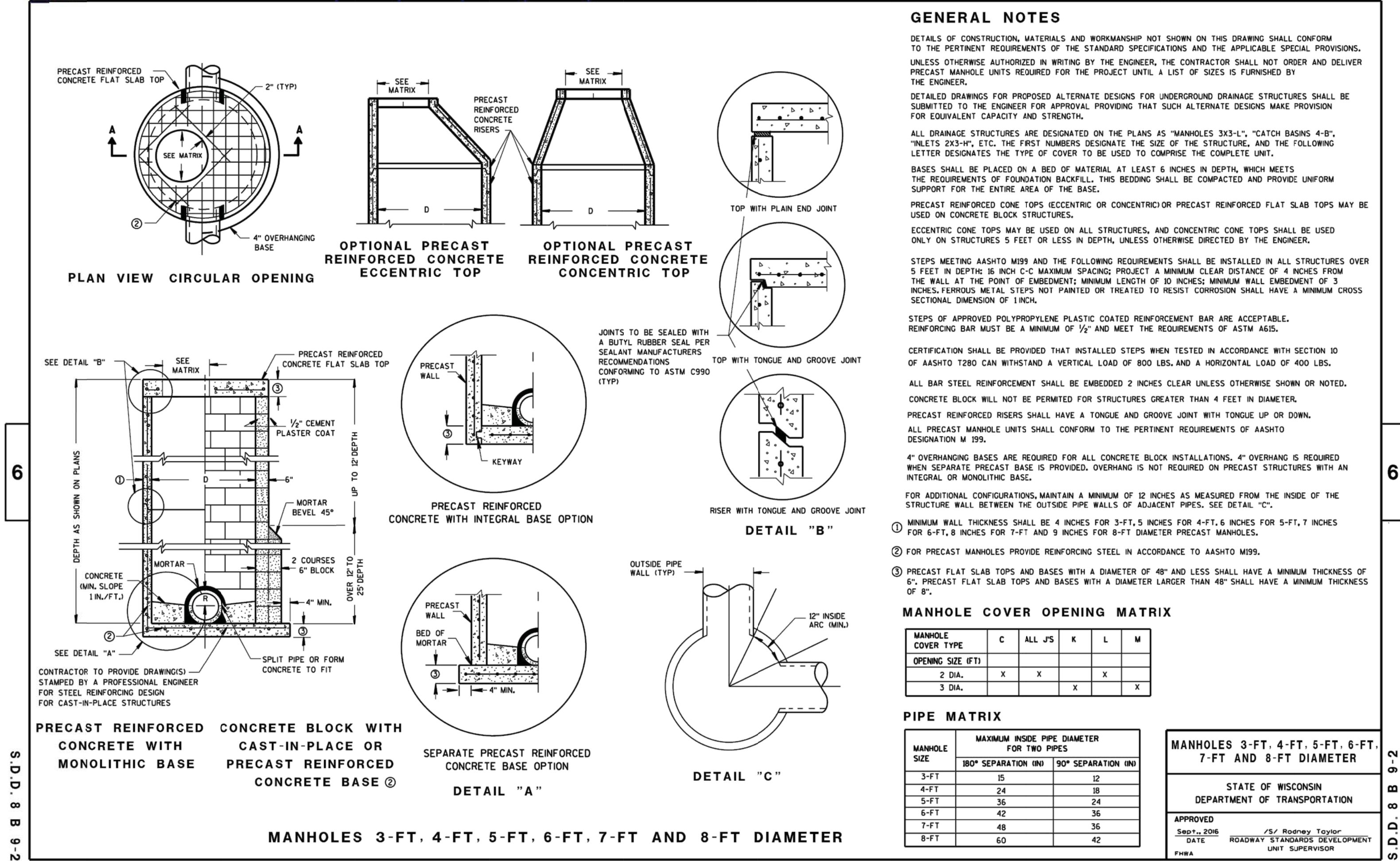
SDD 08A05-19a

S.D.D. 8 A 5-11

PR

1888

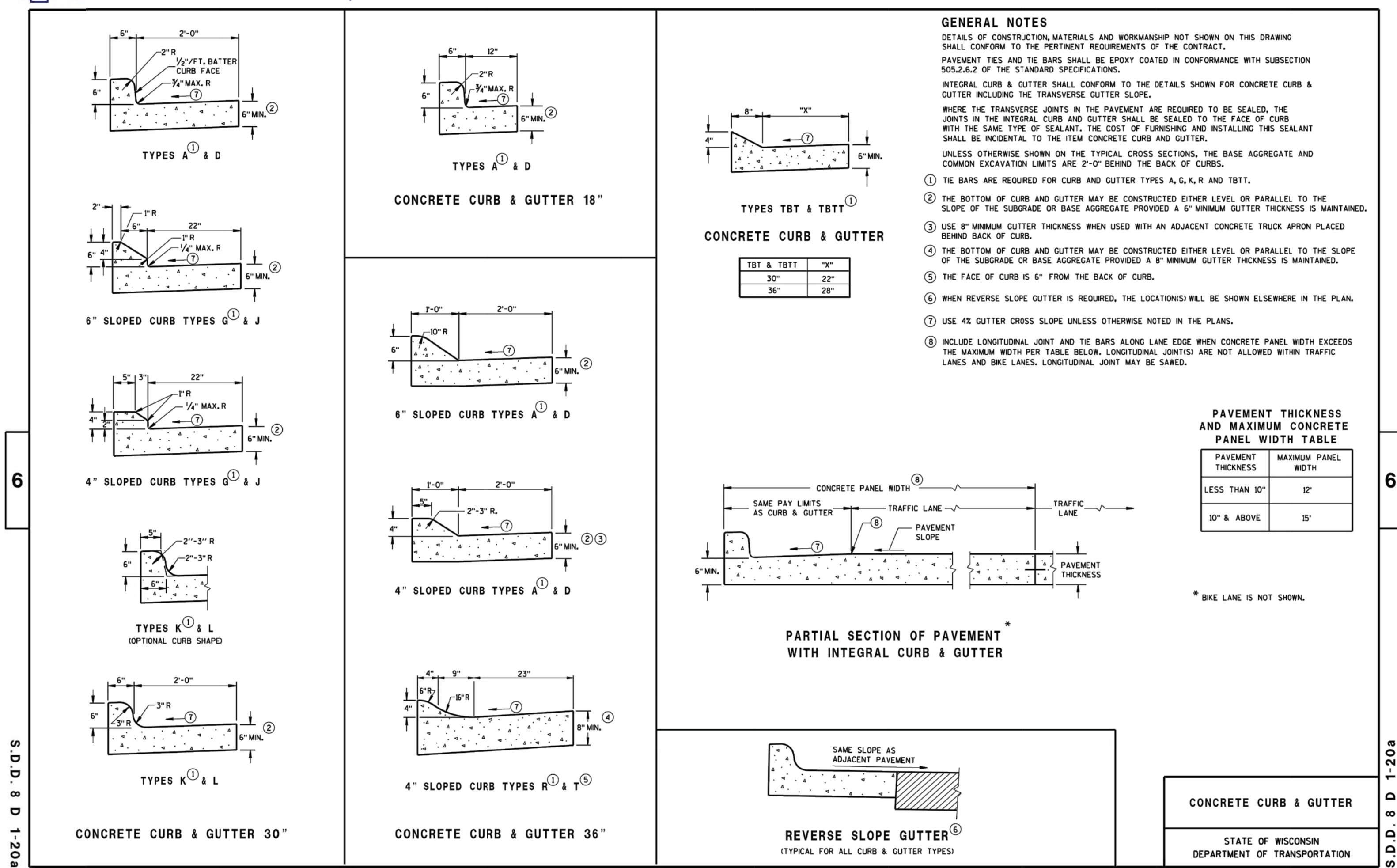
SDD 8b9 Manholes 3-FT, 4-FT, 5-FT, 6-FT, 7-FT, and 8-FT Diameter



6

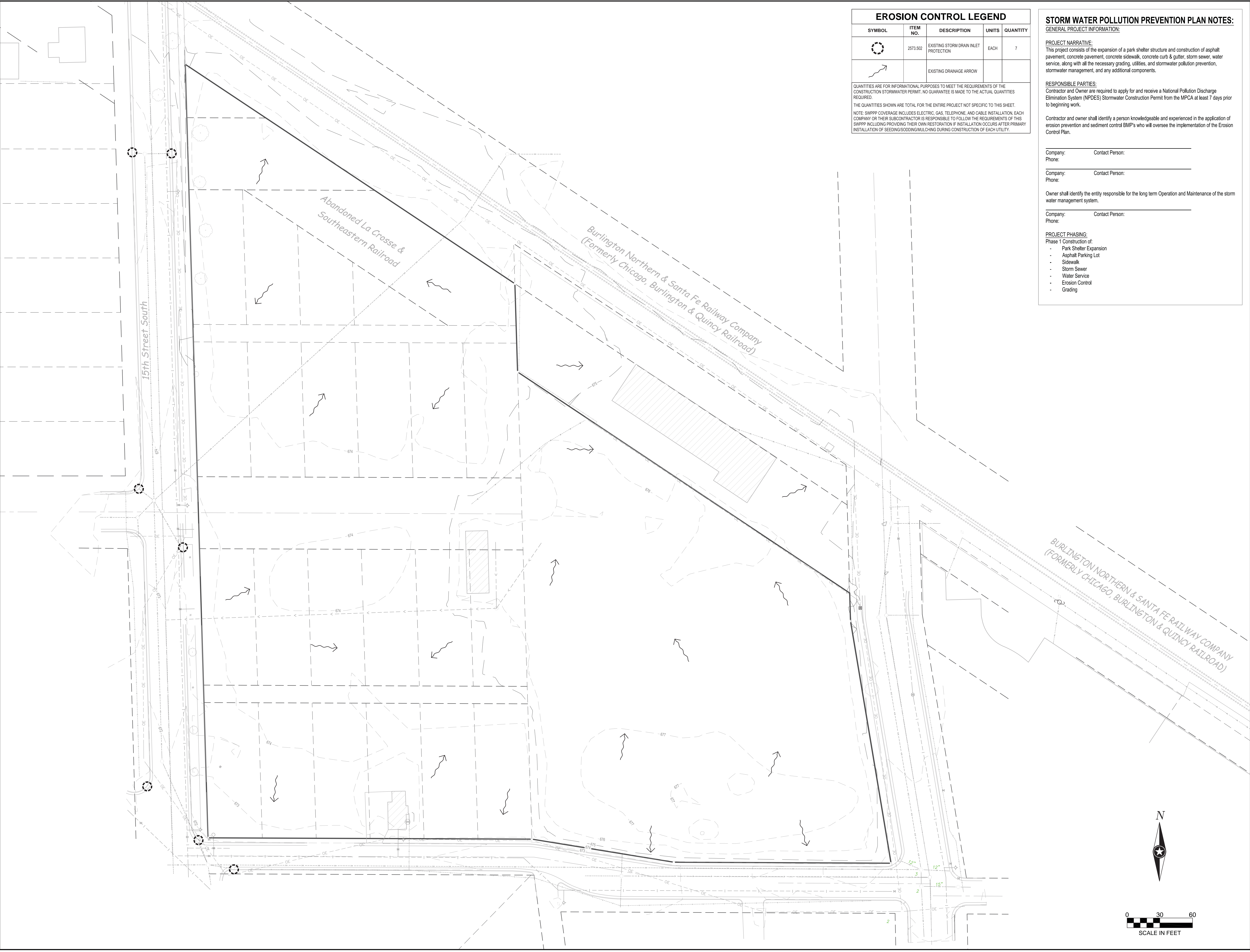
S.D.D. 8 b 9

SDD 8d1-a Concrete Curb, Concrete Curb & Gutter



6

S.D.D. 8 d 1-20a



EROSION CONTROL LEGEND				
SYMBOL	ITEM NO.	DESCRIPTION	UNITS	QUANTITY
	2573.502	EXISTING STORM DRAIN INLET PROTECTION	EACH	7
		EXISTING DRAINAGE ARROW		
QUANTITIES ARE FOR INFORMATIONAL PURPOSES TO MEET THE REQUIREMENTS OF THE CONSTRUCTION STORMWATER PERMIT. NO GUARANTEE IS MADE TO THE ACTUAL QUANTITIES REQUIRED. THE QUANTITIES SHOWN ARE TOTAL FOR THE ENTIRE PROJECT NOT SPECIFIC TO THIS SHEET. NOTE: SWPPP COVERAGE INCLUDES ELECTRIC, GAS, TELEPHONE, AND CABLE INSTALLATION. EACH COMPANY OR THEIR SUBCONTRACTOR IS RESPONSIBLE TO FOLLOW THE REQUIREMENTS OF THIS SWPPP INCLUDING PROVIDING THEIR OWN RESTORATION IF INSTALLATION OCCURS AFTER PRIMARY INSTALLATION OF SEEDING/SODDING/MULCHING DURING CONSTRUCTION OF EACH UTILITY.				

STORM WATER POLLUTION PREVENTION PLAN NOTES:

GENERAL PROJECT INFORMATION:

PROJECT NARRATIVE:
This project consists of the expansion of a park shelter structure and construction of asphalt pavement, concrete sidewalk, concrete curb & gutter, storm sewer, water service, along with all the necessary grading, utilities, and stormwater pollution prevention, stormwater management, and any additional components.

RESPONSIBLE PARTIES:
Contractor and Owner are required to apply for and receive a National Pollution Discharge Elimination System (NPDES) Stormwater Construction Permit from the MPCA at least 7 days prior to beginning work.

Contractor and owner shall identify a person knowledgeable and experienced in the application of erosion prevention and sediment control BMP's who will oversee the implementation of the Erosion Control Plan.

Company: _____
Phone: _____

Contact Person: _____

Company: _____
Phone: _____

Contact Person: _____

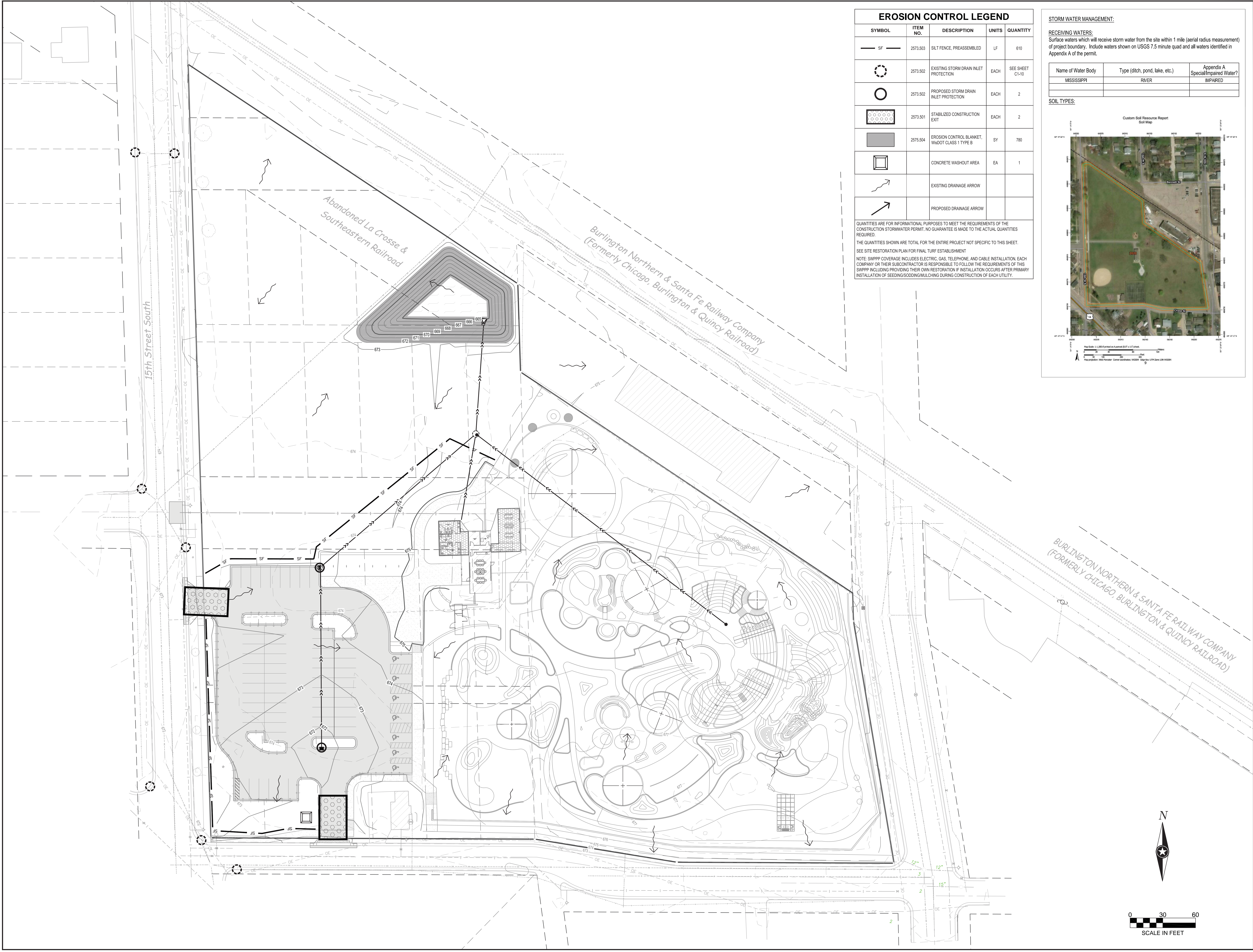
Owner shall identify the entity responsible for the long term Operation and Maintenance of the storm water management system.

Company: _____
Phone: _____

Contact Person: _____

PROJECT PHASING:
Phase 1 Construction of:

- Park Shelter Expansion
- Asphalt Parking Lot
- Sidewalk
- Storm Sewer
- Water Service
- Erosion Control
- Grading



EROSION CONTROL LEGEND				
SYMBOL	ITEM NO.	DESCRIPTION	UNITS	QUANTITY
	2573.503	SILT FENCE, PREASSEMBLED	LF	610
	2573.502	EXISTING STORM DRAIN INLET PROTECTION	EACH	SEE SHEET C1-10
	2573.502	PROPOSED STORM DRAIN INLET PROTECTION	EACH	2
	2573.501	STABILIZED CONSTRUCTION EXIT	EACH	2
	2575.504	EROSION CONTROL BLANKET, WADOT CLASS 1 TYPE B	SY	780
		CONCRETE WASHOUT AREA	EA	1
		EXISTING DRAINAGE ARROW		
		PROPOSED DRAINAGE ARROW		
QUANTITIES ARE FOR INFORMATIONAL PURPOSES TO MEET THE REQUIREMENTS OF THE CONSTRUCTION STORMWATER PERMIT. NO GUARANTEE IS MADE TO THE ACTUAL QUANTITIES REQUIRED. THE QUANTITIES SHOWN ARE TOTAL FOR THE ENTIRE PROJECT NOT SPECIFIC TO THIS SHEET. SEE SITE RESTORATION PLAN FOR FINAL TURF ESTABLISHMENT NOTE: SWPPP COVERAGE INCLUDES ELECTRIC, GAS, TELEPHONE, AND CABLE INSTALLATION. EACH COMPANY OR THEIR SUBCONTRACTOR IS RESPONSIBLE TO FOLLOW THE REQUIREMENTS OF THIS SWPPP INCLUDING PROVIDING THEIR OWN RESTORATION IF INSTALLATION OCCURS AFTER PRIMARY INSTALLATION OF SEEDING/SODDING/MULCHING DURING CONSTRUCTION OF EACH UTILITY.				

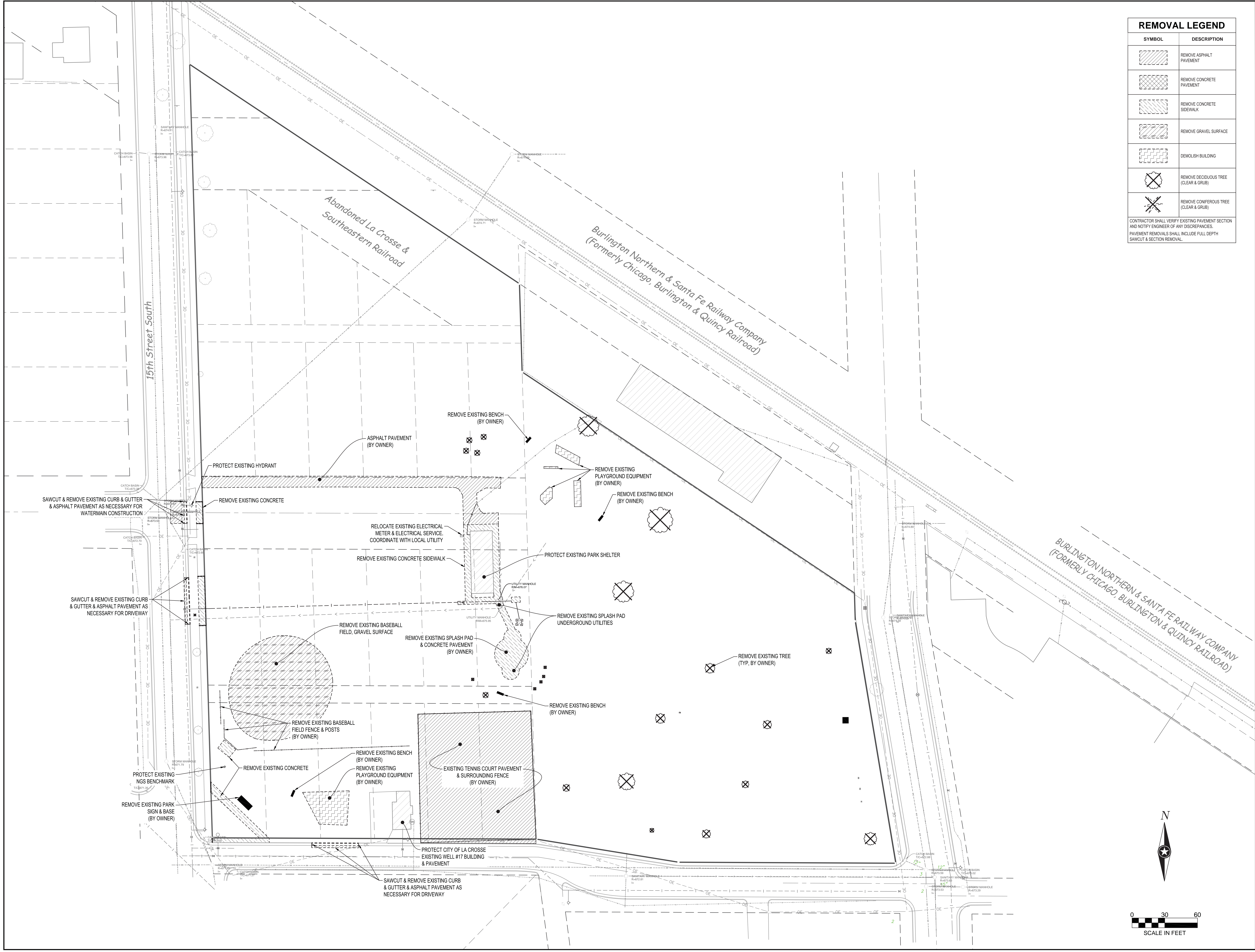
STORM WATER MANAGEMENT:

RECEIVING WATERS:
Surface waters which will receive storm water from the site within 1 mile (aerial radius measurement) of project boundary. Include waters shown on USGS 7.5 minute quad and all waters identified in Appendix A of the permit.

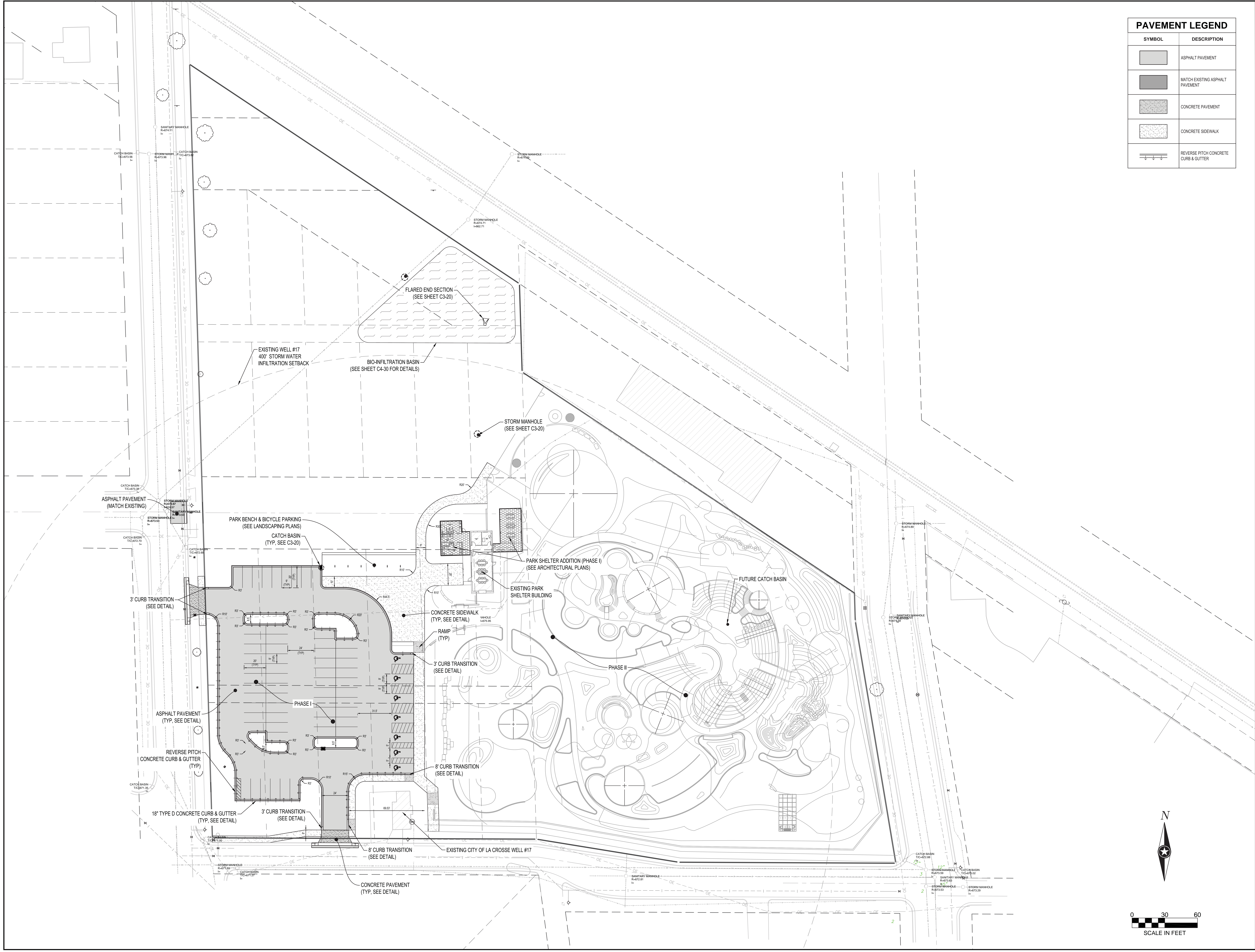
Name of Water Body	Type (ditch, pond, lake, etc.)	Appendix A Special/Impaired Water?
MISSISSIPPI	RIVER	IMPAIRED

SOIL TYPES:

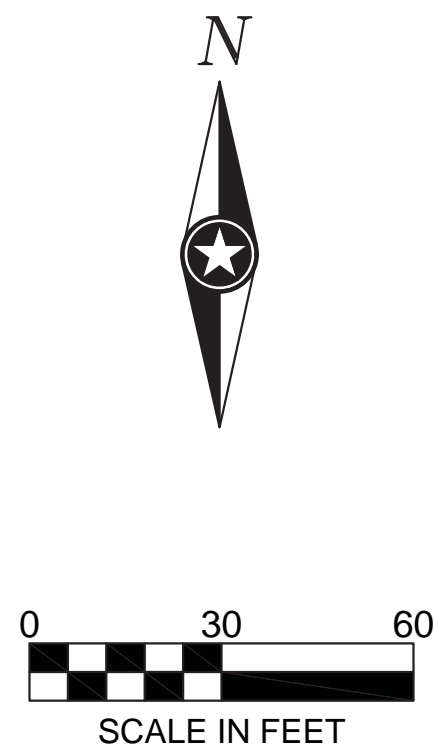
Custom Soil Resource Report
Soil Map



REMOVAL LEGEND	
SYMBOL	DESCRIPTION
	REMOVE ASPHALT PAVEMENT
	REMOVE CONCRETE PAVEMENT
	REMOVE CONCRETE SIDEWALK
	REMOVE GRAVEL SURFACE
	DEMOLISH BUILDING
	REMOVE DECIDUOUS TREE (CLEAR & GRUB)
	REMOVE CONIFEROUS TREE (CLEAR & GRUB)
CONTRACTOR SHALL VERIFY EXISTING PAVEMENT SECTION AND NOTIFY ENGINEER OF ANY DISCREPANCIES. PAVEMENT REMOVALS SHALL INCLUDE FULL DEPTH SAWCUT & SECTION REMOVAL.	



PAVEMENT LEGEND	
SYMBOL	DESCRIPTION
	ASPHALT PAVEMENT
	MATCH EXISTING ASPHALT PAVEMENT
	CONCRETE PAVEMENT
	CONCRETE SIDEWALK
	REVERSE PITCH CONCRETE CURB & GUTTER



riverARCHITECTS

740 7th Street North, La Crosse, WI 54601-3308 Tel: 608.785.2217

ISG

PRELIMINARY
NOT FOR CONSTRUCTION

PROJECT
ALL ABILITIES TRANE PARK
PH.1 - BUILDING + SITE IMPROVEMENTS
CITY OF LA CROSSE, WI

DATE
09/03/2018

DRAWN BY
ADB

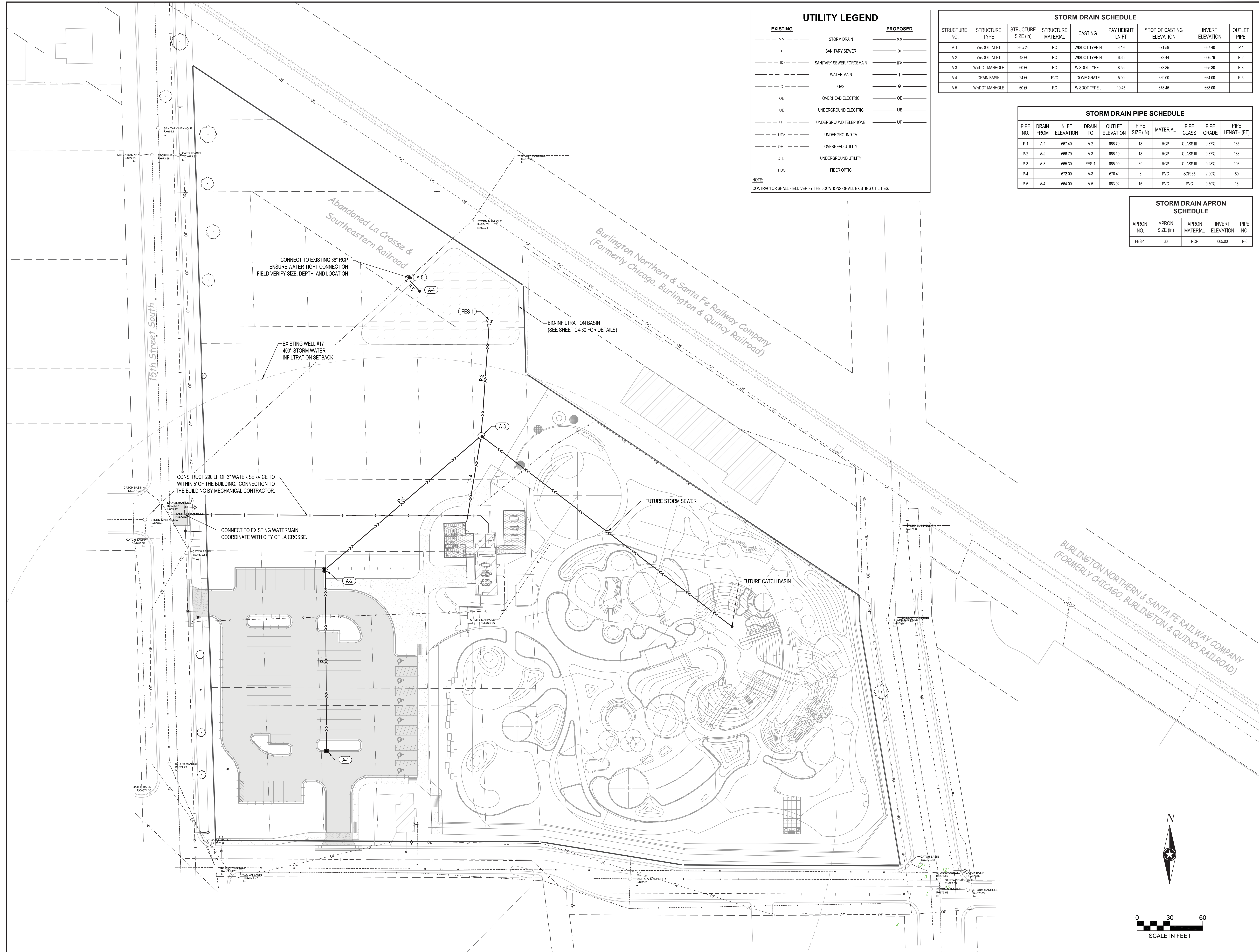
CHECKED BY
KBR

PROJECT No
1410

DRAWING TITLE
PROPOSED SITE PLAN

SHEET No

C3-10



UTILITY LEGEND		
EXISTING		PROPOSED
---	STORM DRAIN	---
---	SANITARY SEWER	---
---	SANITARY SEWER FORCEMAIN	---
---	WATER MAIN	---
---	GAS	---
---	OVERHEAD ELECTRIC	---
---	UNDERGROUND ELECTRIC	---
---	UNDERGROUND TELEPHONE	---
---	UNDERGROUND TV	---
---	OVERHEAD UTILITY	---
---	UNDERGROUND UTILITY	---
---	FIBER OPTIC	---
NOTE: CONTRACTOR SHALL FIELD VERIFY THE LOCATIONS OF ALL EXISTING UTILITIES.		

STORM DRAIN SCHEDULE								
STRUCTURE NO.	STRUCTURE TYPE	STRUCTURE SIZE (in)	STRUCTURE MATERIAL	CASTING	PAY HEIGHT LN FT	* TOP OF CASTING ELEVATION	INVERT ELEVATION	OUTLET PIPE
A-1	WISDOT INLET	36 x 24	RC	WISDOT TYPE H	4.19	671.59	667.40	P-1
A-2	WISDOT INLET	48 Ø	RC	WISDOT TYPE H	6.65	673.44	666.79	P-2
A-3	WISDOT MANHOLE	60 Ø	RC	WISDOT TYPE J	8.55	673.85	665.30	P-3
A-4	DRAIN BASIN	24 Ø	PVC	DOME GRATE	5.00	669.00	664.00	P-5
A-5	WISDOT MANHOLE	60 Ø	RC	WISDOT TYPE J	10.45	673.45	663.00	

STORM DRAIN PIPE SCHEDULE									
PIPE NO.	DRAIN FROM	INLET ELEVATION	DRAIN TO	OUTLET ELEVATION	PIPE SIZE (IN)	MATERIAL	PIPE CLASS	PIPE GRADE	PIPE LENGTH (FT)
P-1	A-1	667.40	A-2	666.79	18	RCP	CLASS III	0.37%	165
P-2	A-2	666.79	A-3	666.10	18	RCP	CLASS III	0.37%	188
P-3	A-3	665.30	FES-1	665.00	30	RCP	CLASS III	0.28%	106
P-4		672.00	A-3	670.41	6	PVC	SDR 35	2.00%	80
P-5	A-4	664.00	A-5	663.92	15	PVC	PVC	0.50%	16

STORM DRAIN APRON SCHEDULE				
APRON NO.	APRON SIZE (in)	APRON MATERIAL	INVERT ELEVATION	PIPE NO.
FES-1	30	RCP	665.00	P-3

riverARCHITECTS

740 7th Street North, La Crosse, WI 54601-3308 Tel: 608 785-2217

ISG

PRELIMINARY

NOT FOR CONSTRUCTION

PROJECT

ALL ABILITIES TRANE PARK

PH.1 - BUILDING + SITE IMPROVEMENTS

CITY OF LA CROSSE, WI

DATE

09/03/2018

DRAWN BY

ADB

CHECKED BY

KBR

PROJECT No

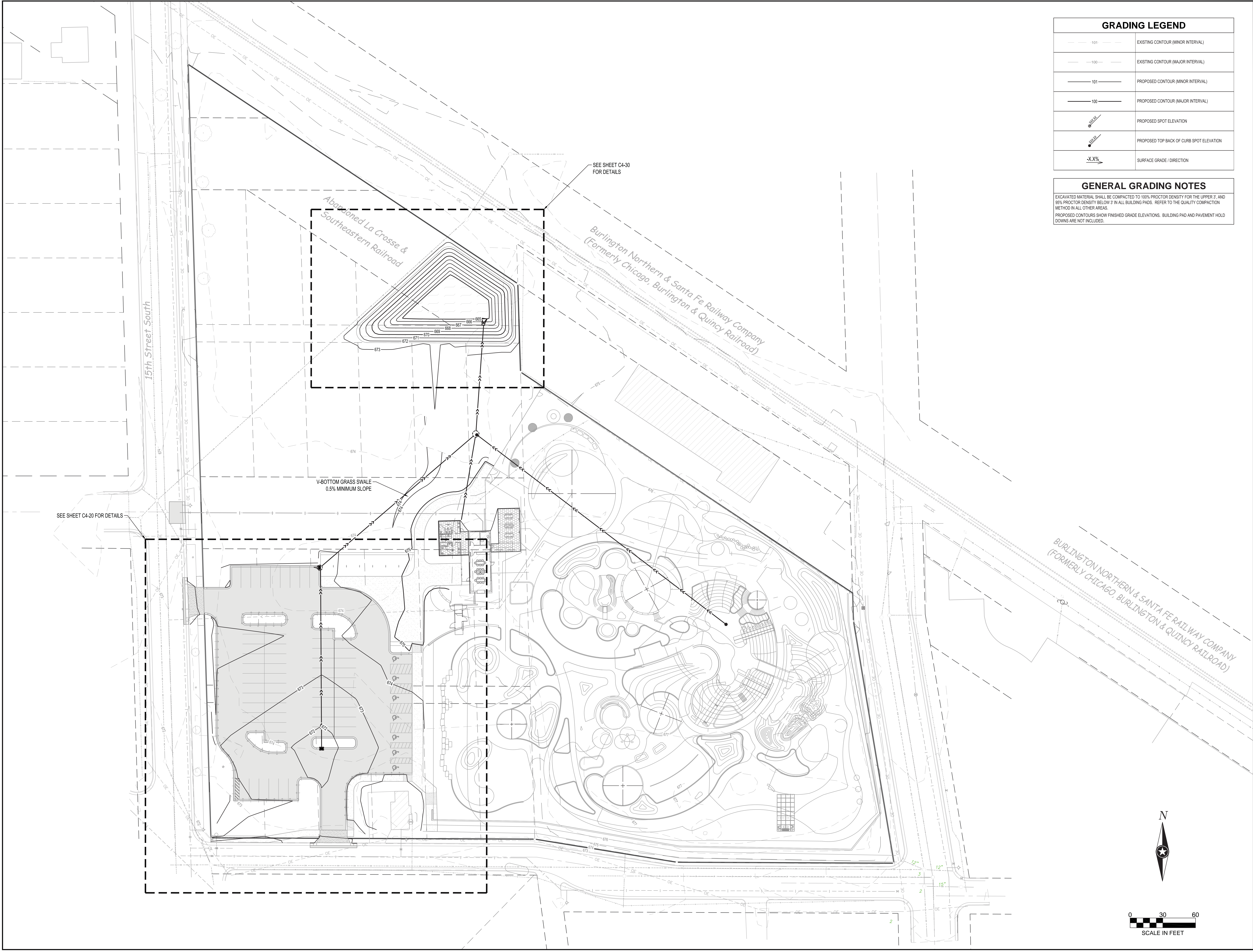
1410

DRAWING TITLE

PROPOSED SITE UTILITY PLAN

SHEET No

C3-20

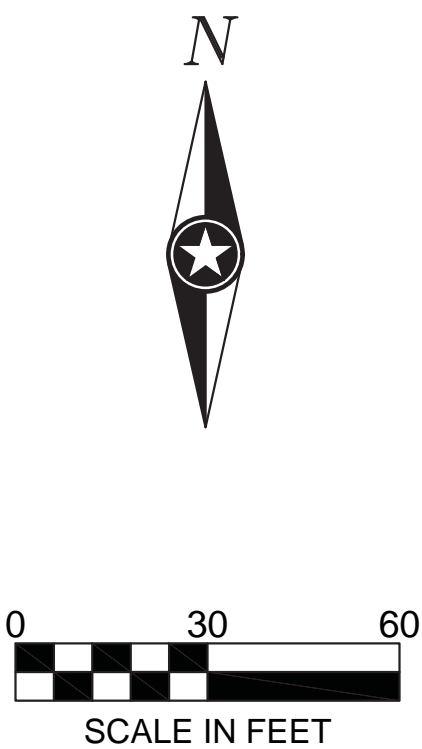


GRADING LEGEND	
	EXISTING CONTOUR (MINOR INTERVAL)
	EXISTING CONTOUR (MAJOR INTERVAL)
	PROPOSED CONTOUR (MINOR INTERVAL)
	PROPOSED CONTOUR (MAJOR INTERVAL)
	PROPOSED SPOT ELEVATION
	PROPOSED TOP BACK OF CURB SPOT ELEVATION
	SURFACE GRADE / DIRECTION

GENERAL GRADING NOTES

EXCAVATED MATERIAL SHALL BE COMPACTED TO 100% PROCTOR DENSITY FOR THE UPPER 3' AND 95% PROCTOR DENSITY BELOW 3' IN ALL BUILDING PADS. REFER TO THE QUALITY COMPACTION METHOD IN ALL OTHER AREAS.

PROPOSED CONTOURS SHOW FINISHED GRADE ELEVATIONS. BUILDING PAD AND PAVEMENT HOLD DOWNS ARE NOT INCLUDED.



riverARCHITECTS

740 7th Street North, La Crosse, WI 54601-3308 Tel: 608.785.2217

ISG

PRELIMINARY
NOT FOR CONSTRUCTION

PROJECT
ALL ABILITIES TRANE PARK
PH.1 - BUILDING + SITE IMPROVEMENTS
CITY OF LA CROSSE, WI

DATE
09/03/2018

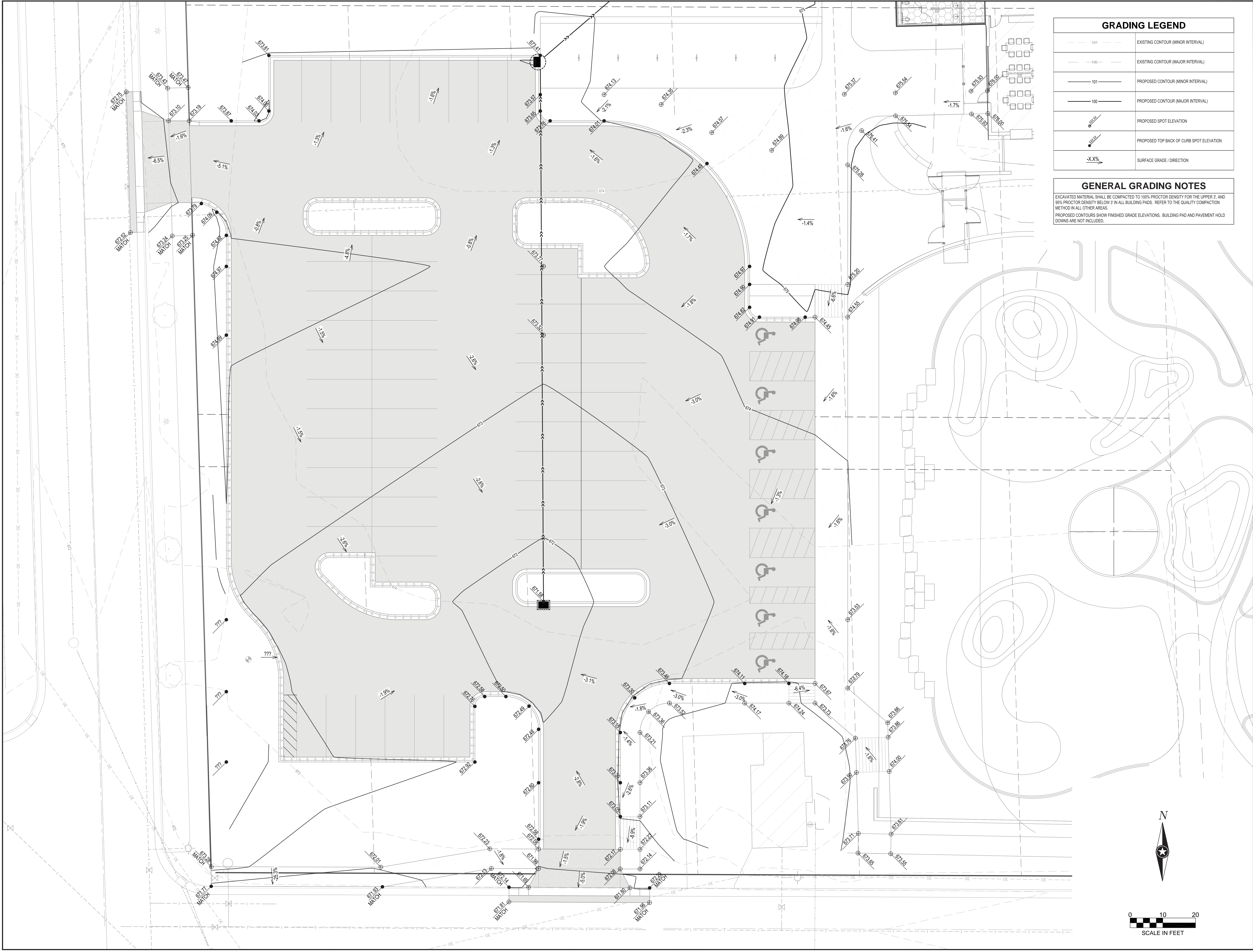
DRAWN BY
ADB

CHECKED BY
KBR

PROJECT No
1410

DRAWING TITLE
OVERALL GRADING PLAN

SHEET No
C4-10



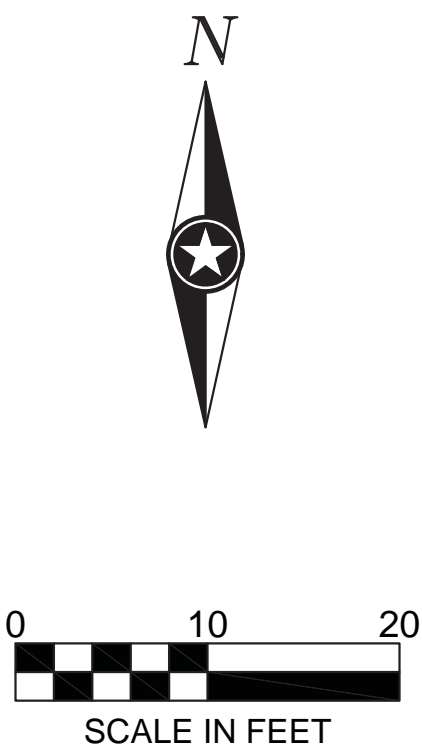
GRADING LEGEND

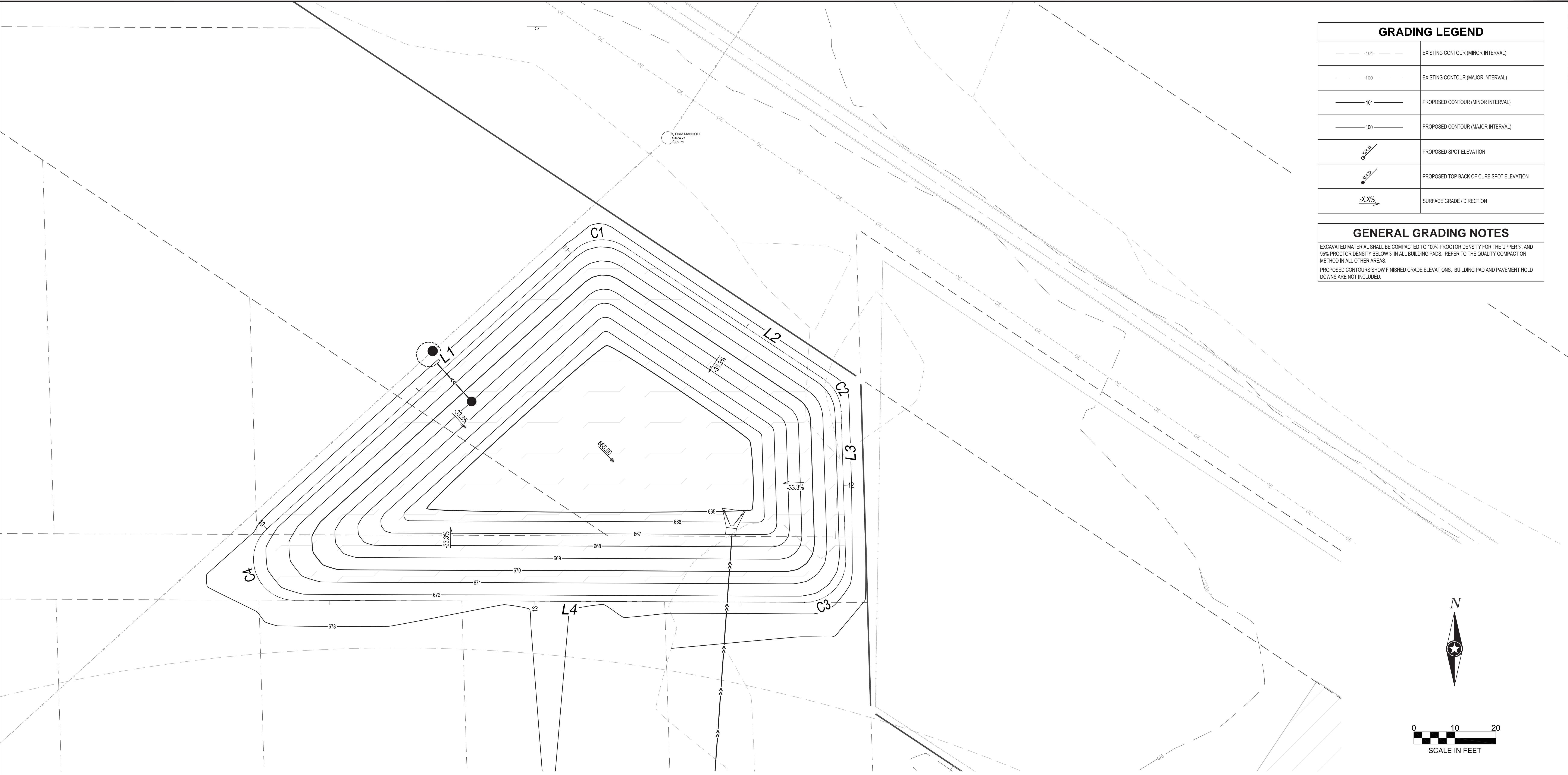
	EXISTING CONTOUR (MINOR INTERVAL)
	EXISTING CONTOUR (MAJOR INTERVAL)
	PROPOSED CONTOUR (MINOR INTERVAL)
	PROPOSED CONTOUR (MAJOR INTERVAL)
	PROPOSED SPOT ELEVATION
	PROPOSED TOP BACK OF CURB SPOT ELEVATION
	SURFACE GRADE / DIRECTION

GENERAL GRADING NOTES

EXCAVATED MATERIAL SHALL BE COMPACTED TO 100% PROCTOR DENSITY FOR THE UPPER 3" AND 95% PROCTOR DENSITY BELOW 3" IN ALL BUILDING PADS. REFER TO THE QUALITY COMPACTION METHOD IN ALL OTHER AREAS.

PROPOSED CONTOURS SHOW FINISHED GRADE ELEVATIONS. BUILDING PAD AND PAVEMENT HOLD DOWNS ARE NOT INCLUDED.





GRADING LEGEND

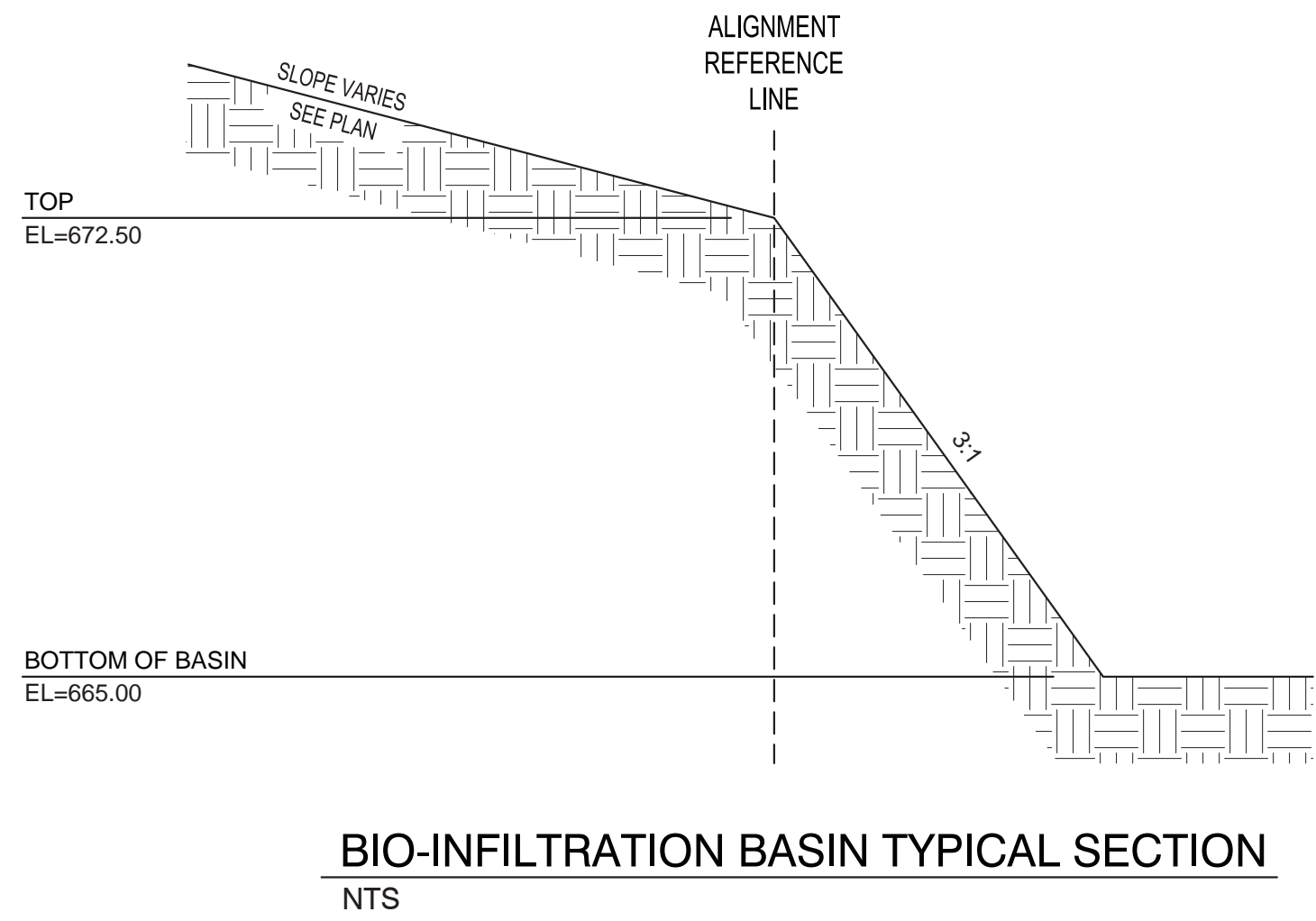
	EXISTING CONTOUR (MINOR INTERVAL)
	EXISTING CONTOUR (MAJOR INTERVAL)
	PROPOSED CONTOUR (MINOR INTERVAL)
	PROPOSED CONTOUR (MAJOR INTERVAL)
	PROPOSED SPOT ELEVATION
	PROPOSED TOP BACK OF CURB SPOT ELEVATION
	SURFACE GRADE / DIRECTION

GENERAL GRADING NOTES

EXCAVATED MATERIAL SHALL BE COMPACTED TO 100% PROCTOR DENSITY FOR THE UPPER 3" AND 95% PROCTOR DENSITY BELOW 3" IN ALL BUILDING PADS. REFER TO THE QUALITY COMPACTION METHOD IN ALL OTHER AREAS.

PROPOSED CONTOURS SHOW FINISHED GRADE ELEVATIONS. BUILDING PAD AND PAVEMENT HOLD DOWNS ARE NOT INCLUDED.

POND GRADING ALIGNMENT PROPERTIES					
SEGMENT	STATION	NORTHING, EASTING	LENGTH	RADIUS	TANGENT DIRECTION Δ ANGLE
L1	START:	10+00.00	101.12'	10.00'	N47° 47' 45.05"E
	END:	11+01.12			
C1	PC:	11+01.12	13.24'	10.00'	Δ = 75° 50' 46.98"
	PT:	11+14.36			
L2	START:	11+14.36	58.06'	10.00'	S56° 21' 27.97"E
	END:	11+72.42			
C2	PC:	11+72.42	9.53'	10.00'	Δ = 54° 38' 19.98"
	PT:	11+77.58			
L3	START:	11+81.95	36.28'	10.00'	S1° 45' 07.98"E
	END:	12+18.23			
C3	PC:	12+18.23	16.05'	10.00'	Δ = 91° 58' 47.68"
	PT:	12+34.28			
L4	START:	12+34.28	124.35'	10.00'	N89° 49' 20.30"W
	END:	13+58.64			
C4	PC:	13+58.64	24.01'	10.00'	Δ = 137° 34' 05.35"
	PT:	13+82.65			



SITE AND LANDSCAPE NOTES

SITE PREPARATION NOTES

1. CONTRACTOR SHALL INSPECT THE SITE AND BECOME FAMILIAR WITH EXISTING CONDITIONS RELATING TO THE NATURE AND SCOPE OF WORK.
2. CONTRACTOR SHALL VERIFY PLAN LAYOUT AND BRING TO THE ATTENTION OF THE LANDSCAPE ARCHITECT DISCREPANCIES WHICH MAY COMPROMISE THE DESIGN OR INTENT OF THE LAYOUT.
3. CONTRACTOR SHALL ASSURE COMPLIANCE WITH APPLICABLE CODES AND REGULATIONS GOVERNING THE WORK AND MATERIALS SUPPLIED.
4. CONTRACTOR SHALL PROTECT EXISTING ROADS, CURBS/GUTTERS, TRAILS, TREES, LAWNS AND SITE ELEMENTS DURING CONSTRUCTION OPERATIONS. DAMAGE TO SAME SHALL BE REPAIRED AT NO ADDITIONAL COST TO THE OWNER.
5. CONTRACTOR SHALL VERIFY ALIGNMENT AND LOCATION OF UNDERGROUND AND ABOVE GRADE UTILITIES AND PROVIDE THE NECESSARY PROTECTION FOR SAME BEFORE CONSTRUCTION BEGINS (MINIMUM 10' CLEARANCE).
6. CONTRACTOR SHALL COORDINATE THE PHASES OF CONSTRUCTION AND PLANTING INSTALLATION WITH OTHER CONTRACTORS WORKING ON SITE.
7. UNDERGROUND UTILITIES SHALL BE INSTALLED SO THAT TRENCHES DO NOT CUT THROUGH ROOT SYSTEMS OF EXISTING TREES TO REMAIN.
8. EXISTING CONTOURS, TRAILS, VEGETATION, CURB/GUTTER AND OTHER ELEMENTS ARE BASED UPON INFORMATION SUPPLIED TO THE LANDSCAPE ARCHITECT BY OTHERS. CONTRACTOR SHALL VERIFY DISCREPANCIES PRIOR TO CONSTRUCTION AND NOTIFY LANDSCAPE ARCHITECT OF SAME.
9. HORIZONTAL AND VERTICAL ALIGNMENT OF PROPOSED WALKS, TRAILS OR ROADWAYS ARE SUBJECT TO FIELD ADJUSTMENT REQUIRED TO CONFORM TO LOCALIZED TOPOGRAPHIC CONDITIONS AND TO MINIMIZE TREE REMOVAL AND GRADING. CHANGES IN ALIGNMENT AND GRADES MUST BE APPROVED BY THE LANDSCAPE ARCHITECT PRIOR TO IMPLEMENTATION.
10. CONTRACTOR SHALL REVIEW THE SITE FOR DEFICIENCIES IN SITE CONDITIONS WHICH MIGHT NEGATIVELY AFFECT PLANT ESTABLISHMENT, SURVIVAL OR WARRANTY. UNDESIRABLE SITE CONDITIONS SHALL BE BROUGHT TO THE ATTENTION OF THE LANDSCAPE ARCHITECT PRIOR TO COMMENCEMENT OF WORK.
11. CONTRACTOR IS RESPONSIBLE FOR ONGOING MAINTENANCE OF NEWLY INSTALLED MATERIALS UNTIL TIME OF SUBSTANTIAL COMPLETION. REPAIR OF ACTS OF VANDALISM OR DAMAGE WHICH MAY OCCUR PRIOR TO SUBSTANTIAL COMPLETION SHALL BE THE RESPONSIBILITY OF THE LANDSCAPE CONTRACTOR.
12. EXISTING TREES OR SIGNIFICANT SHRUB MASSINGS FOUND ON SITE SHALL BE PROTECTED AND SAVED UNLESS NOTED TO BE REMOVED OR ARE LOCATED IN AN AREA TO BE GRADED. QUESTIONS REGARDING EXISTING PLANT MATERIAL SHALL BE BROUGHT TO THE ATTENTION OF THE LANDSCAPE ARCHITECT PRIOR TO REMOVAL.
13. EXISTING TREES TO REMAIN, UPON DIRECTION OF LANDSCAPE ARCHITECT, SHALL BE FERTILIZED AND PRUNED TO REMOVE DEAD WOOD, DAMAGED AND RUBBING BRANCHES.
14. CONTRACTOR SHALL PREPARE AND SUBMIT A WRITTEN REQUEST FOR THE SUBSTANTIAL COMPLETION INSPECTION OF LANDSCAPE AND SITE IMPROVEMENTS PRIOR TO SUBMITTING FINAL PAY REQUEST.
15. CONTRACTOR SHALL PREPARE AND SUBMIT REPRODUCIBLE AS-BUILT DRAWING(S) OF LANDSCAPE INSTALLATION, IRRIGATION AND SITE IMPROVEMENTS UPON COMPLETION OF CONSTRUCTION INSTALLATION AND PRIOR TO SUBSTANTIAL COMPLETION.
16. SYMBOLS ON PLAN DRAWING TAKE PRECEDENCE OVER SCHEDULES IF DISCREPANCIES IN QUANTITIES EXIST. SPECIFICATIONS AND DETAILS TAKE PRECEDENCE OVER NOTES.

GRADING

1. ROUGH GRADING AND FINISHED GRADING TO BE DONE BY OTHERS EXCEPT WHERE NOTED.
2. GRADING LIMITS ARE DEFINED AS THE JUNCTURE OF PROPOSED GRADE WITH EXISTING GRADE UNLESS NOTED OTHERWISE.
3. GRADING LIMITS AND LIMITS OF WORK SHOWN ON PLAN ARE ONLY APPROXIMATE AND MAY BE ADJUSTED IN FIELD BY LANDSCAPE ARCHITECT. WORK OUTSIDE OF THESE LIMITS WILL BE DONE AT LANDSCAPE CONTRACTORS EXPENSE UNLESS DIRECTED BY LANDSCAPE ARCHITECT OR OWNER IN WRITING.

4. FILL/CUT AS NECESSARY TO PROVIDE A 1% MINIMUM GRADE AWAY FROM BUILDINGS WITHIN LIMITS OF CONSTRUCTION.
5. SALVAGE TOPSOIL FROM THE EARTHWORK AREAS AS APPROPRIATE OR AS INDICATED ON PLANS AND STOCKPILE FOR REUSE.
6. OBTAIN SOIL SAMPLE FROM SALVAGED TOPSOIL STOCKPILE AND SUBMIT TO INDEPENDENT TESTING AGENCY FOR ANALYSIS.
7. MAINTAIN A UNIFORM GRADE BETWEEN CONTOURS IN AREAS TO BE GRADED UNLESS NOTED OTHERWISE.
8. ELEVATIONS, IF SHOWN ARE FINISHED ELEVATIONS. SPOT ELEVATIONS TAKE PRECEDENCE OVER CONTOURS.
9. ADD EROSION CONTROL MEASURES IF GRADES GREATER THAN 3:1 OR IF CONDITIONS WARRANT. REFER TO CITY OF LACROSSE SPECIFICATIONS FOR EROSION CONTROL.
10. CONTRACTOR SHALL CONTACT PUBLIC UTILITIES FOR LOCATION OF UNDERGROUND WIRES, CABLES, CONDUITS, PIPES, MANHOLES, VALVES OR OTHER BURIED STRUCTURES BEFORE DIGGING. LANDSCAPE CONTRACTOR SHALL REPAIR OR REPLACE THE ABOVE IF DAMAGED DURING CONSTRUCTION AT NO ADDITIONAL COST TO THE OWNER.
11. CONTRACTOR SHALL PROVIDE PROPER EROSION CONTROL MEASURES AS REQUIRED TO ENSURE THAT EROSION IS KEPT TO AN ABSOLUTE MINIMUM.
12. PROVIDE TEMPORARY COVERING FOR CATCH BASINS AND MAN HOLES UNTIL FINISHED GRADING IS COMPLETE.
13. CONTRACTOR SHALL CONSTRUCT DRAINAGE BASINS AS NEEDED.
14. PERIMETER SILT FENCE AND ROCK CONSTRUCTION ENTRANCES SHALL BE INSTALLED PRIOR TO CONSTRUCTION. REFER TO STATE SPECIFICATIONS FOR AGGREGATE BASE AND SILT FENCE.
15. CONTRACTOR SHALL INSTALL CATCH BASIN EROSION CONTROL MEASURES PER LOCAL POLLUTION CONTROL AGENCY AND SPECIFICATIONS.
16. WITHIN TWO WEEKS OF FINISHED SITE GRADING, DISTURBED AREAS SHALL BE STABILIZED WITH SEED, SOD, MULCH OR ROCK BASE.
17. CONTRACTOR SHALL MAINTAIN EROSION CONTROL MEASURES, INCLUDING THE REMOVAL OF ACCUMULATED SILT IN FRONT OF SILT FENCES AND EXCESS SEDIMENT IN PROPOSED CATCH BASINS, FOR THE DURATION OF CONSTRUCTION.
18. CONTRACTOR SHALL REMOVE EROSION CONTROL MEASURES AFTER VEGETATION IS ESTABLISHED AND DISPOSE OF OFF SITE.
19. CONTRACTOR SHALL ENSURE THAT SOIL CONDITIONS AND COMPACTION ARE ADEQUATE TO ALLOW FOR PROPER DRAINAGE AROUND THE CONSTRUCTION SITE. UNDESIRABLE CONDITIONS SHALL BE BROUGHT TO THE ATTENTION OF THE LANDSCAPE ARCHITECT PRIOR TO BEGINNING OF WORK. IT SHALL BE THE LANDSCAPE CONTRACTOR'S RESPONSIBILITY TO ENSURE PROPER SURFACE AND SUBSURFACE DRAINAGE IN PLANTING AREAS.

PLANTING

1. SPRING PLANT MATERIAL INSTALLATION IS FROM APRIL 15 TO JUNE 15.
2. FALL CONIFEROUS PLANTING IS ACCEPTABLE FROM AUGUST 21 TO SEPTEMBER 30.
3. FALL DECIDUOUS PLANTING IS ACCEPTABLE FROM AUGUST 15 UNTIL NOVEMBER 15.
4. ADJUSTMENTS TO PLANTING DATES MUST BE APPROVED IN WRITING BY THE LANDSCAPE ARCHITECT.
5. STAKE PROPOSED PLANTING LOCATIONS PER PLAN FOR REVIEW AND APPROVAL BY LANDSCAPE ARCHITECT PRIOR TO INSTALL.
6. PLANT MATERIAL SHALL COMPLY WITH THE CURRENT EDITION OF THE AMERICAN STANDARD FOR NURSERY STOCK, ANSI Z60.1. UNLESS NOTED OTHERWISE, DECIDUOUS SHRUBS SHALL HAVE AT LEAST 5 CANES AT THE SPECIFIED HEIGHT. ORNAMENTAL TREES SHALL HAVE NO "V" CROTCHES AND SHALL BEGIN BRANCHING NO LOWER THAN 3' FEET ABOVE THE ROOT BALL. STREET AND BOULEVARD TREES SHALL BEGIN BRANCHING NO LOWER THAN 6' ABOVE PAVED SURFACE.
7. INSTALL PLANT MATERIAL AFTER FINAL GRADING AND CONSTRUCTION HAS BEEN COMPLETED IN THE IMMEDIATE AREA.
8. INSTALL PLANT MATERIALS PER PLANTING DETAILS.

9. SUBSTITUTION REQUESTS FOR PLANT MATERIAL TYPE & SIZE SHALL BE SUBMITTED TO THE LANDSCAPE ARCHITECT FOR CONSIDERATION PRIOR TO BIDDING. SUBSTITUTIONS AFTER BIDDING MUST BE APPROVED BY LANDSCAPE ARCHITECT AND ARE SUBJECT TO CONTRACT ADJUSTMENTS.
10. ADJUSTMENTS IN LOCATION OF PROPOSED PLANT MATERIALS MAY BE NEEDED IN FIELD. LANDSCAPE ARCHITECT MUST BE NOTIFIED PRIOR TO ADJUSTMENT OF PLANTS.
11. FERTILIZE PLANT MATERIAL UPON INSTALLATION WITH DRIED BONE MEAL AND OTHER APPROVED FERTILIZER MIXED IN WITH THE PLANTING SOIL (PER THE MANUFACTURER'S INSTRUCTIONS) OR TREAT FOR SUMMER AND FALL INSTALLATION WITH AN APPLICATION OF GRANULAR 10-0-5 OF 12 OZ. PER 2.5" CALIPER TREE AND 6 OZ. PER SHRUB WITH AN ADDITIONAL APPLICATION OF 10-0-10 THE FOLLOWING SPRING IN THE TREE SAUCER.
12. INSTALL 18" DEPTH OF PLANTING SOIL IN AREAS RECEIVING GROUND COVER, PERENNIALS, AND ANNUALS. PLANTING SOIL SHALL CONSIST OF A MAXIMUM OF 30% SAND, A PH OF 7.1 MAX, OR AS OTHERWISE SPECIFIED IN THE PROJECT SPECIFICATIONS MANUAL.
13. APPLY PRE-EMERGENT HERBICIDE (PREEN OR APPROVED EQUAL) IN ANNUAL, PERENNIAL, AND SHRUB BEDS FOLLOWED BY SHREDDED HARDWOOD MULCH. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION REGARDING USE OF HERBICIDES.

MULCHING

1. INSTALL 3" DEEP SHREDDED HARDWOOD MULCH RINGS AT CONIFEROUS & DECIDUOUS TREES WITH NO MULCH IN DIRECT CONTACT WITH TREE TRUNK.
2. INSTALL 2" DEEP SHREDDED HARDWOOD MULCH RINGS AT SHRUB PLANTING AREAS WITH NO MULCH IN DIRECT CONTACT WITH SHRUB STEMS.
3. INSTALL 2" DEEP FINELY SHREDDED MULCH OR 1" DEEP SHREDDED HARDWOOD MULCH IN PERENNIAL PLANTING BEDS. REMOVE ALL MULCH FROM STEMS OF PERENNIALS - PLANT STEMS SHOULD NOT BE IN DIRECT CONTACT WITH MULCH.

WATERING

1. PLANTED MATERIALS SHALL BE WATERED BY TEMPORARY MEANS UNTIL PLANTS ARE ESTABLISHED OR IRRIGATION SYSTEMS HAVE BEEN INSTALLED IN PHASE 2
2. TEMPORARY WATERING MEANS, METHODS, AND SCHEDULING SHALL BE THE CONTRACTOR'S RESPONSIBILITY. REMOVE TEMPORARY WATERING EQUIPMENT UPON PLANT ESTABLISHMENT.

WARRANTY

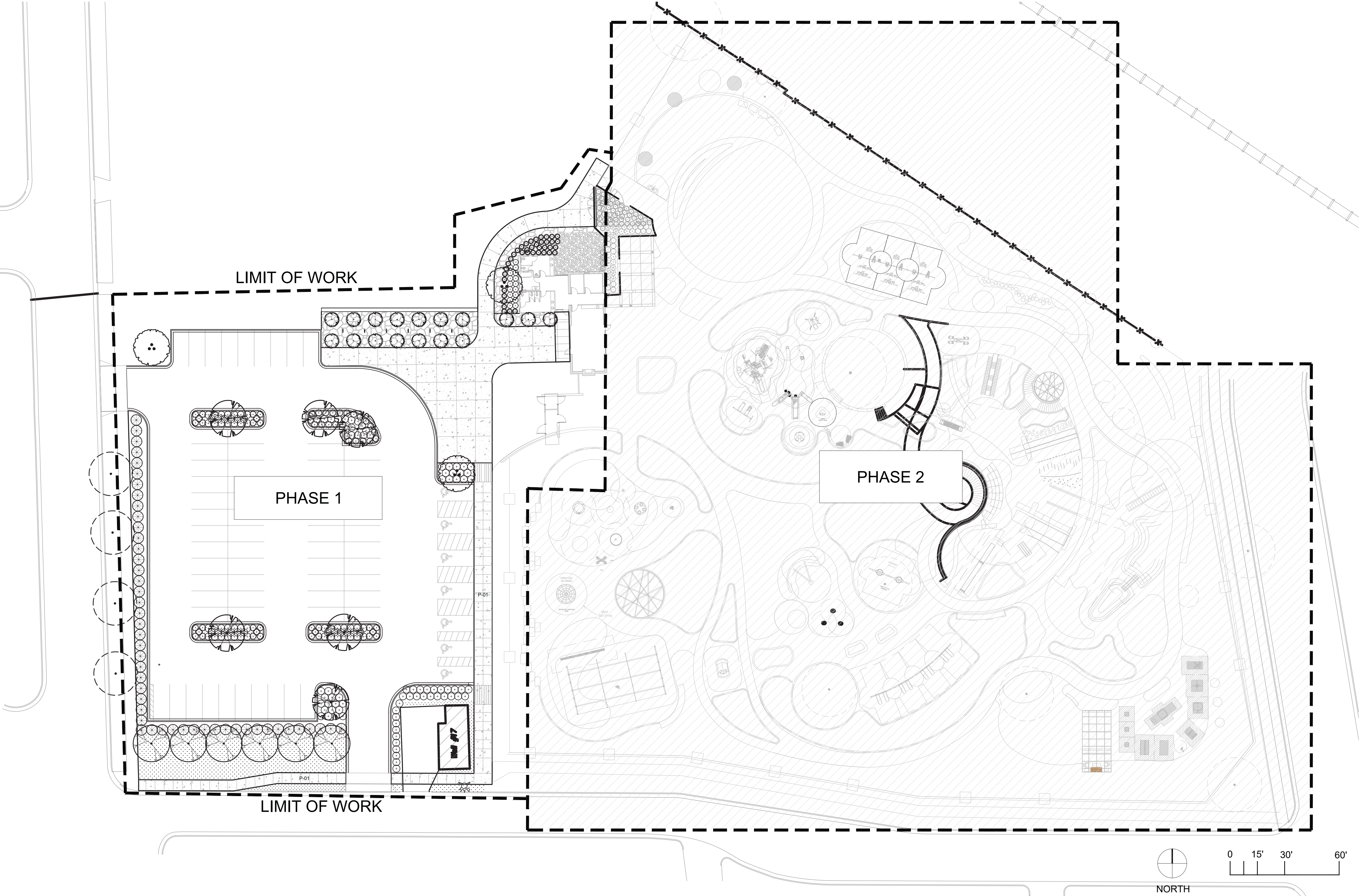
1. WARRANTY NEW PLANT MATERIAL THROUGH 1 CALENDAR YEAR FROM THE DATE OF SUBSTANTIAL COMPLETION. NO PARTIAL ACCEPTANCE WILL BE CONSIDERED.

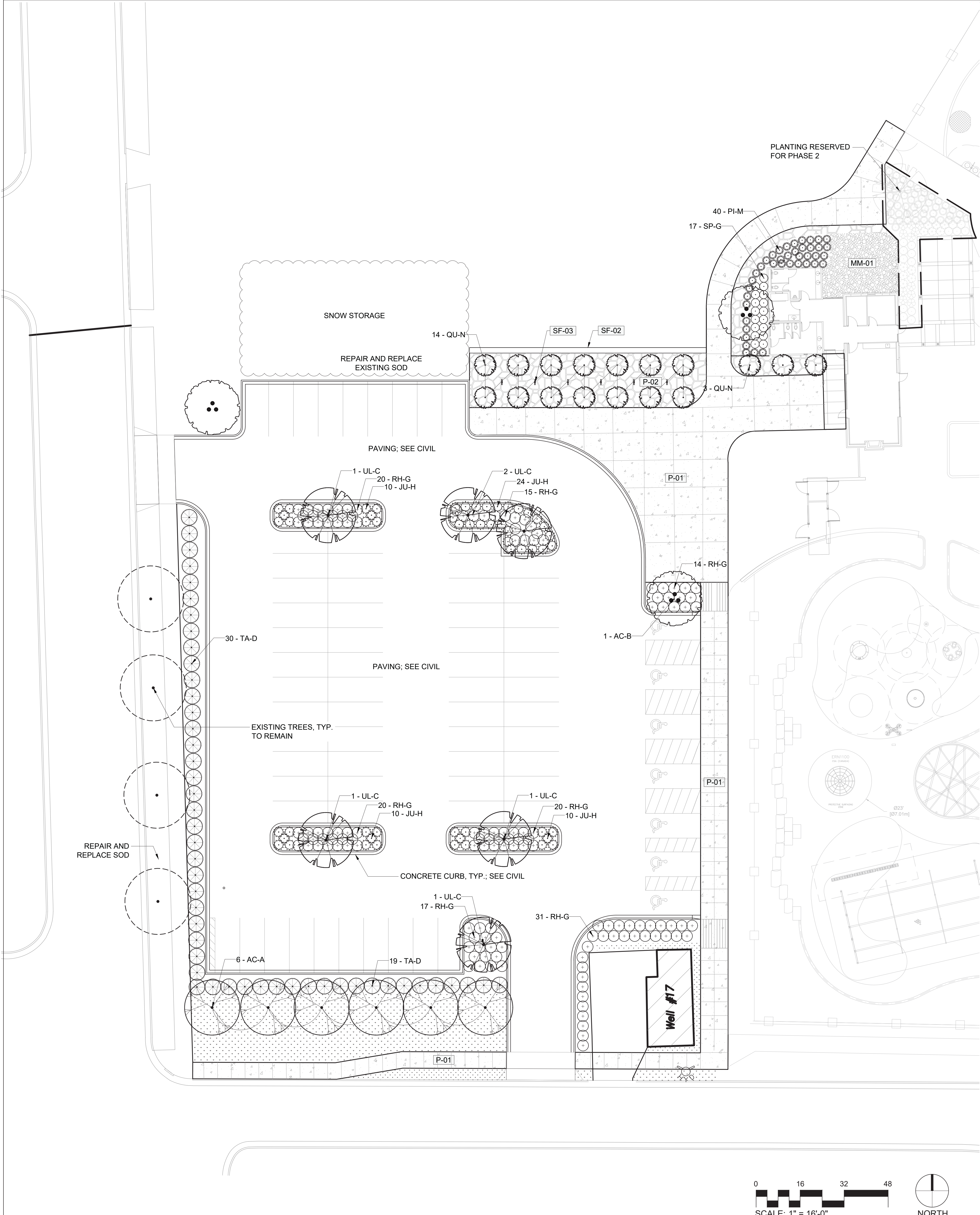
TURF NOTES

1. SOD AREAS DISTURBED DUE TO GRADING UNLESS NOTED OTHERWISE.
2. WHERE SOD ABUTS PAVED SURFACES, FINISHED GRADE OF SOD/SEED SHALL BE HELD 1" BELOW SURFACE ELEVATION OF TRAIL, SLAB, CURB, ETC.
3. SOD SHALL BE LAID PARALLEL TO THE CONTOURS AND SHALL HAVE STAGGERED JOINTS. ON SLOPES STEEPER THAN 3:1 OR IN DRAINAGE SWALES, SOD SHALL BE STAKED SECURELY.
4. UNLESS NOTED OTHERWISE, THE APPROPRIATE DATES FOR SPRING SEED & SOD PLACEMENT IS FROM THE TIME GROUND HAS THAWED TO JUNE 15.
5. FALL SODDING IS ACCEPTABLE FROM AUGUST 15 TO NOVEMBER 1. FALL SEEDING IS ACCEPTABLE FROM AUGUST 15 TO SEPTEMBER 15. ADJUSTMENTS TO SOD/SEED PLANTING DATES MUST BE APPROVED IN WRITING BY THE LANDSCAPE ARCHITECT.

IRRIGATION NOTES

1. ALL IRRIGATION INSTALLATION FOR PHASE 1 SHALL BE INSTALLED ALONG WITH PHASE 2 IRRIGATION WORK; NOTES SHOWN BELOW FOR REFERENCE ONLY
2. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AN IRRIGATION LAYOUT PLAN AND SPECIFICATION THAT MEETS THE REQUIREMENTS OF THE PROVIDED PERFORMANCE SPECIFICATION AS PART OF THE SCOPE OF WORK. SUBMIT LAYOUT PLAN AND SPECIFICATIONS FOR APPROVAL BY THE LANDSCAPE ARCHITECT PRIOR TO ORDER AND/OR CONSTRUCTION. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT SODDED/SEEDED AND PLANTED AREAS ARE IRRIGATED PROPERLY, INCLUDING THOSE AREAS DIRECTLY AROUND AND ABUTTING BUILDING FOUNDATION.
3. CONTRACTOR SHALL FIELD VERIFY WATER SUPPLY, VOLUME, PRESSURE AND LOCATION FOR SYSTEM TAP PRIOR TO SYSTEM DESIGN.
4. CONTRACTOR SHALL FIELD VERIFY AND INSPECT EXISTING IRRIGATION SYSTEM LAYOUT, EQUIPMENT, CONDITION AND OPERABILITY PRIOR TO SYSTEM DESIGN.
5. CONTRACTOR SHALL CONFIRM COMPLETE LIMITS OF IRRIGATION WITH LANDSCAPE ARCHITECT PRIOR TO SUPPLYING SHOP DRAWINGS.
6. CONTRACTOR SHALL CONTACT LANDSCAPE ARCHITECT FOR INSPECTION AND APPROVAL OF AREAS RECEIVING DRIP IRRIGATION PRIOR TO INSTALLATION OF MULCH.
7. CONTRACTOR SHALL PROVIDE THE OWNER AND LANDSCAPE ARCHITECT WITH AS-BUILT DRAWINGS, DETAILED SYSTEM OPERATION INSTRUCTIONS AND AN IRRIGATION SCHEDULE APPROPRIATE TO THE PROJECT SITE CONDITIONS AND PLANTED MATERIAL GROWTH REQUIREMENTS.





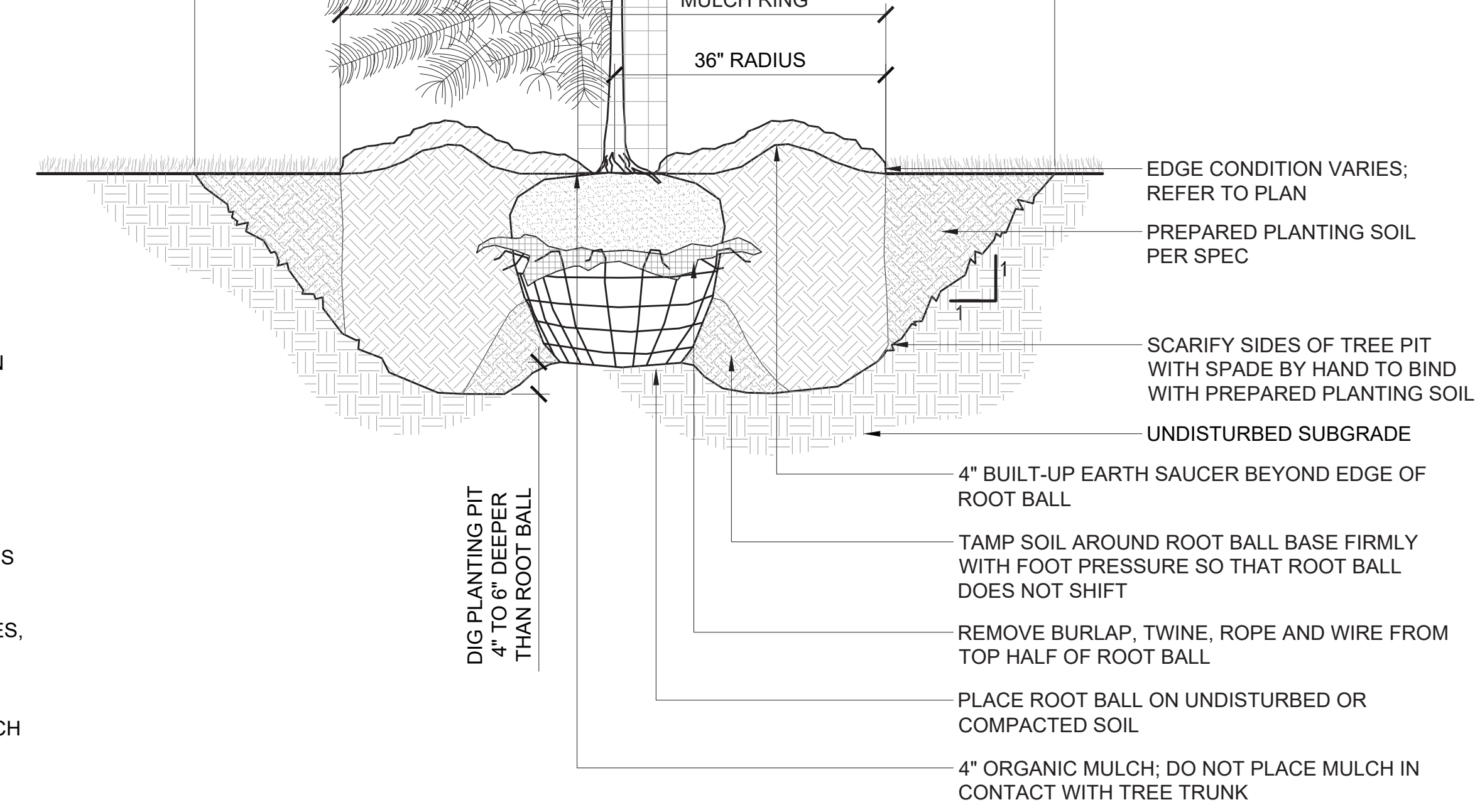
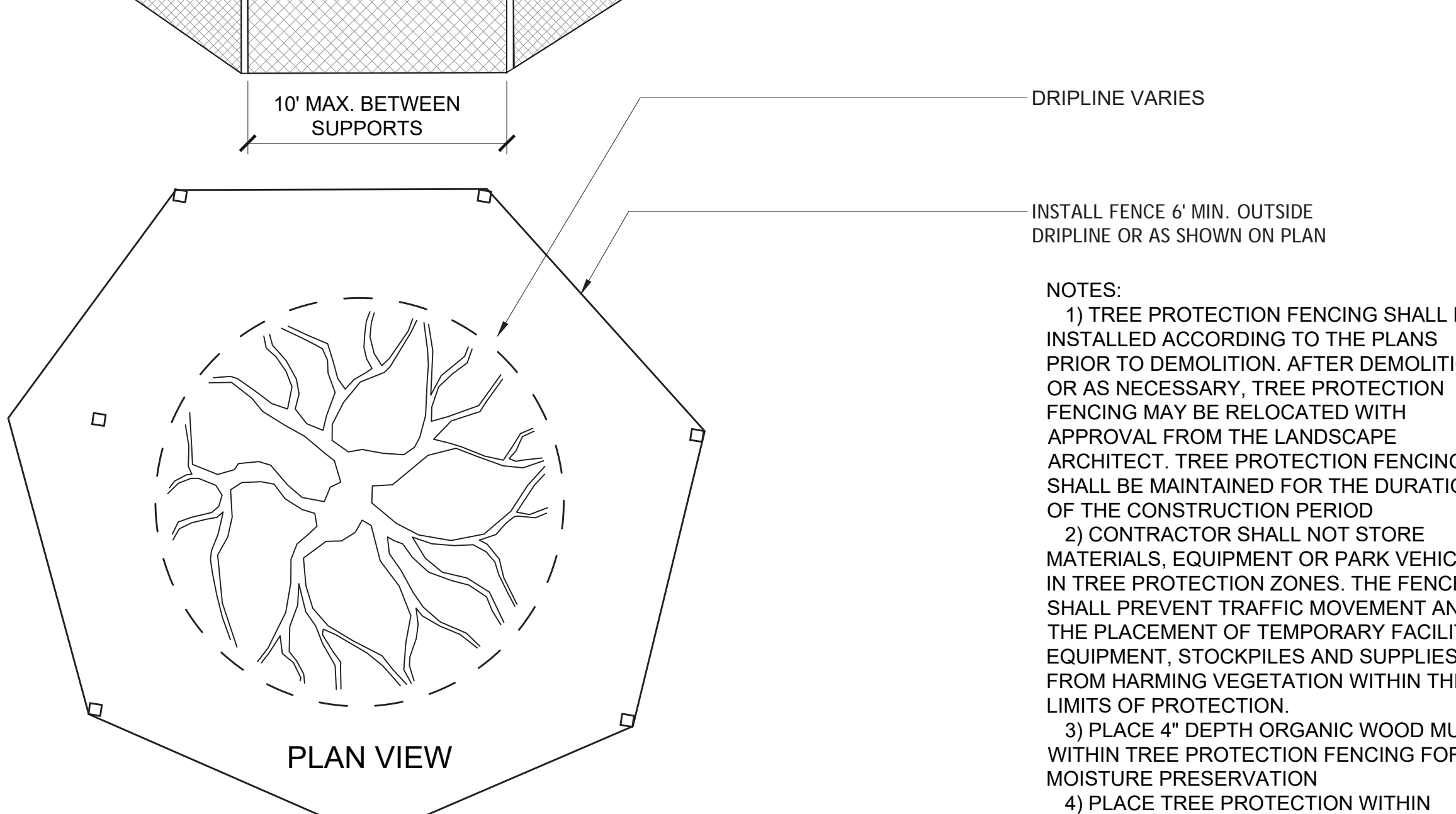
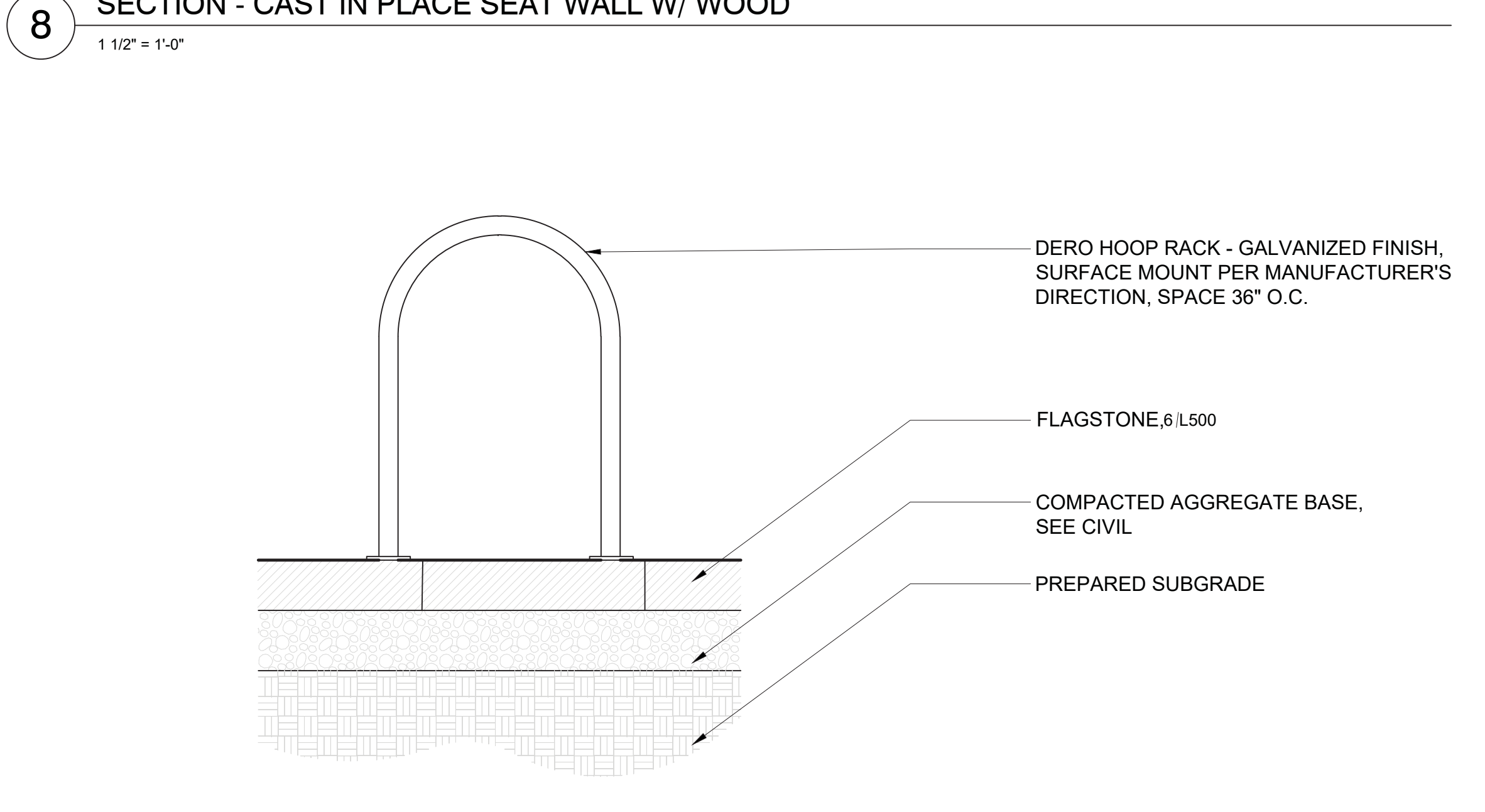
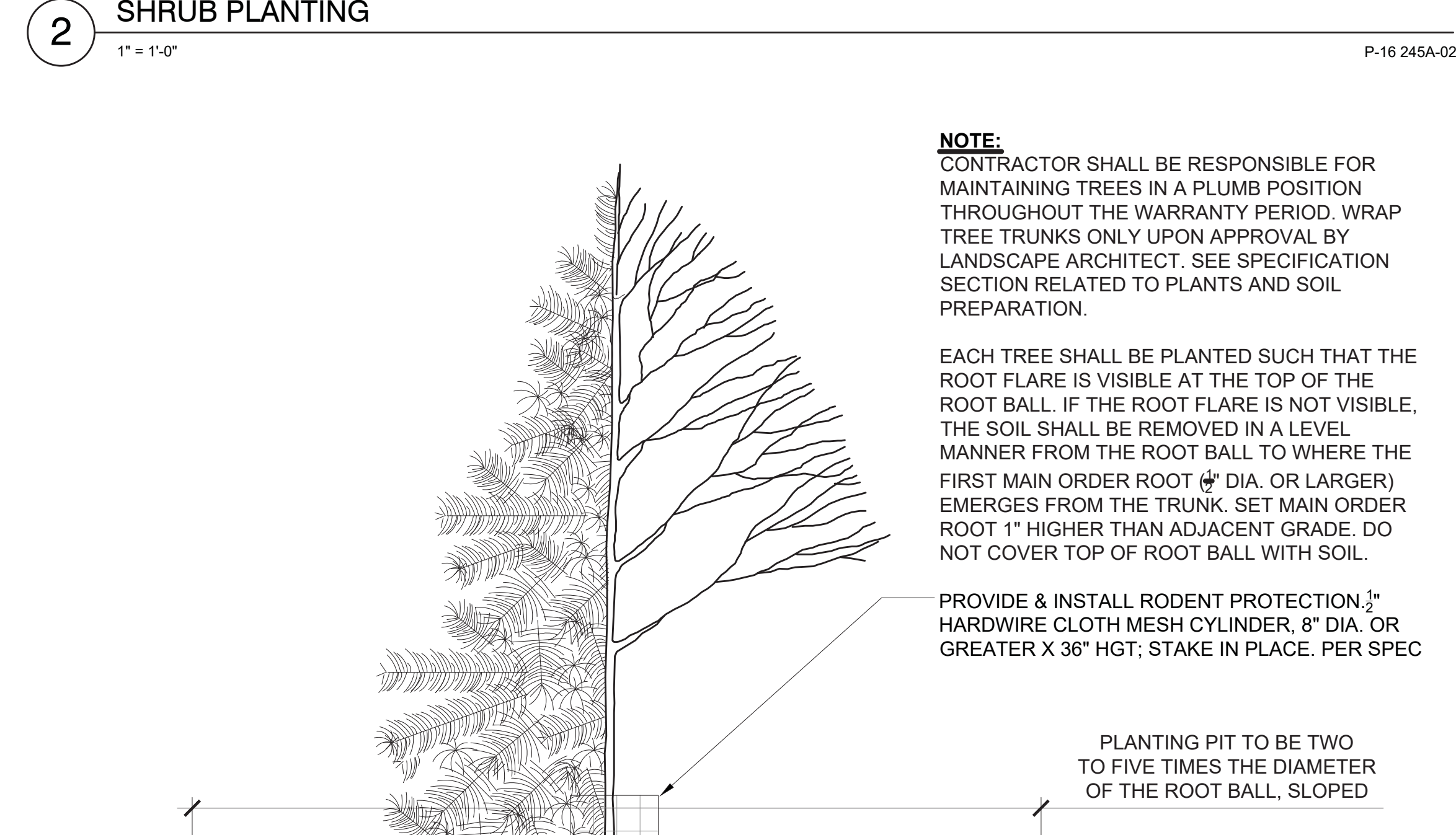
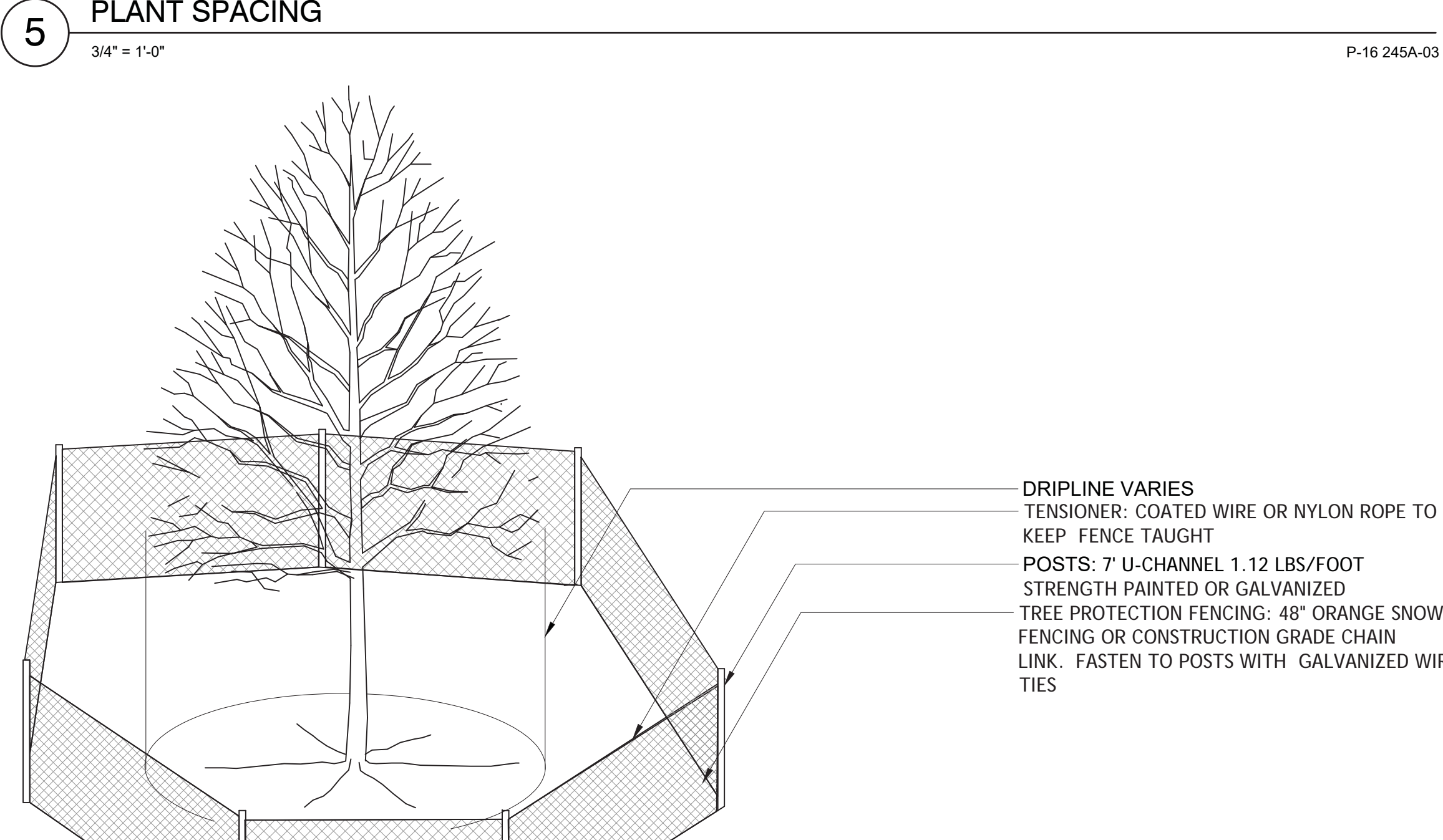
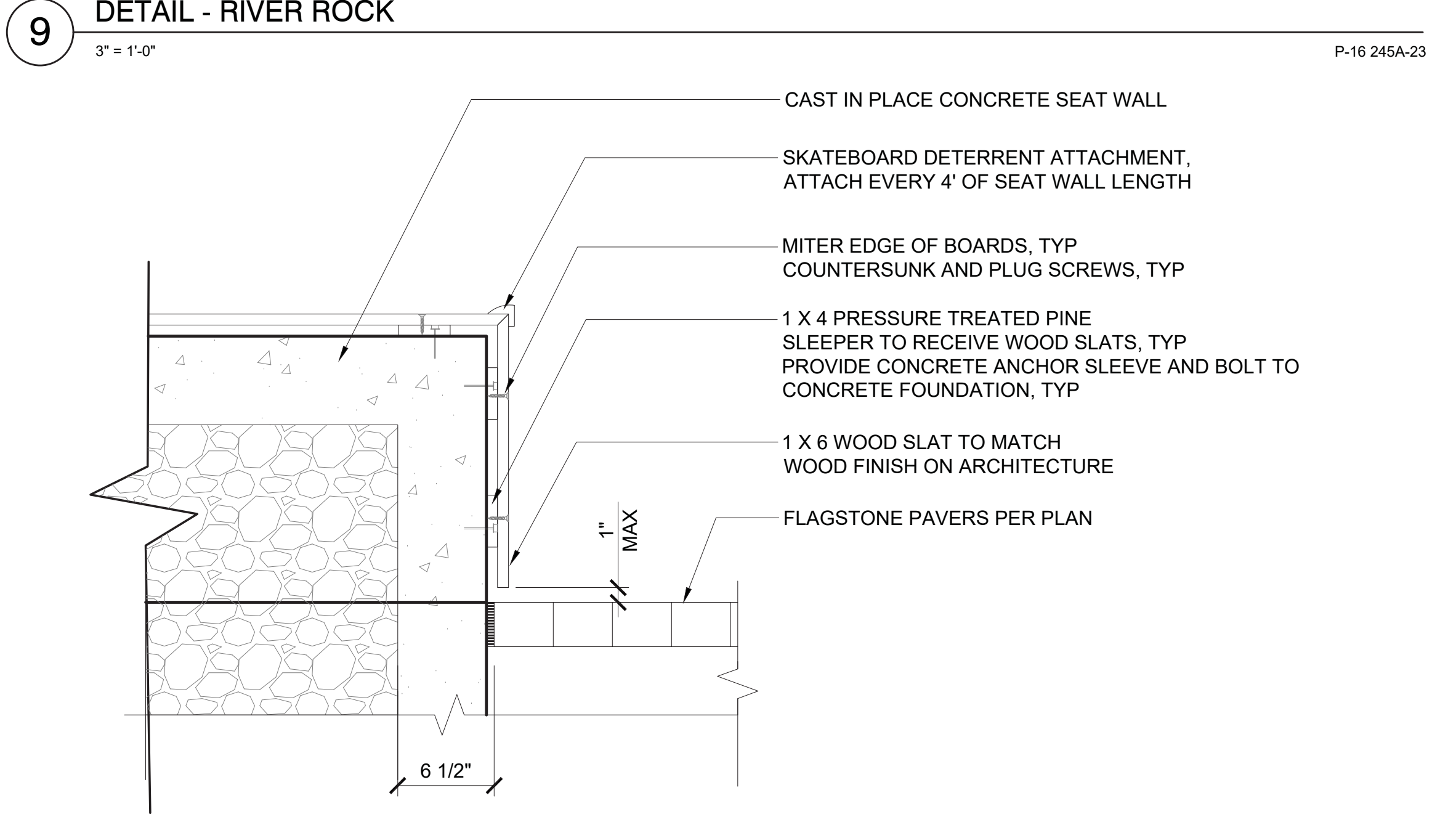
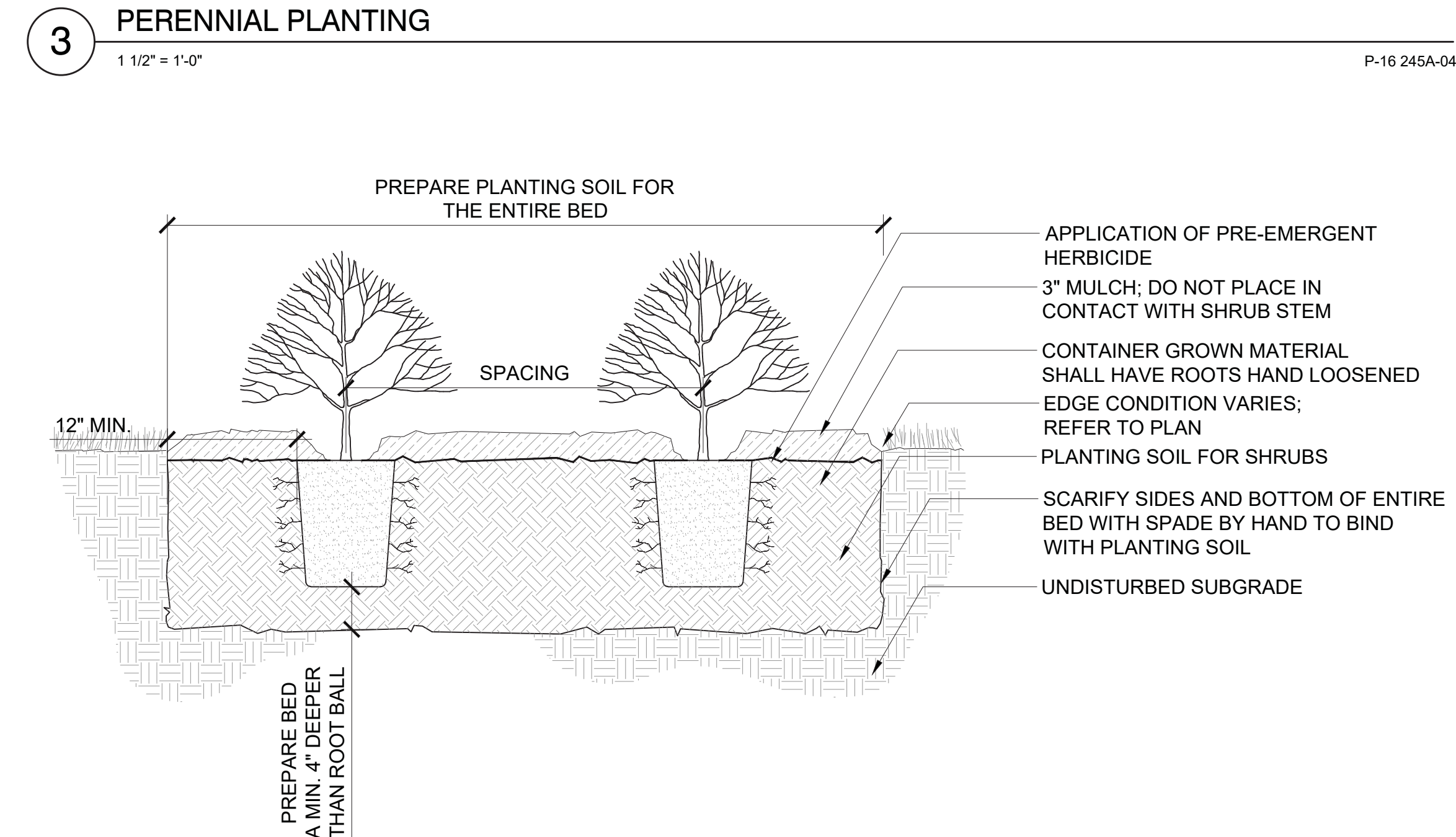
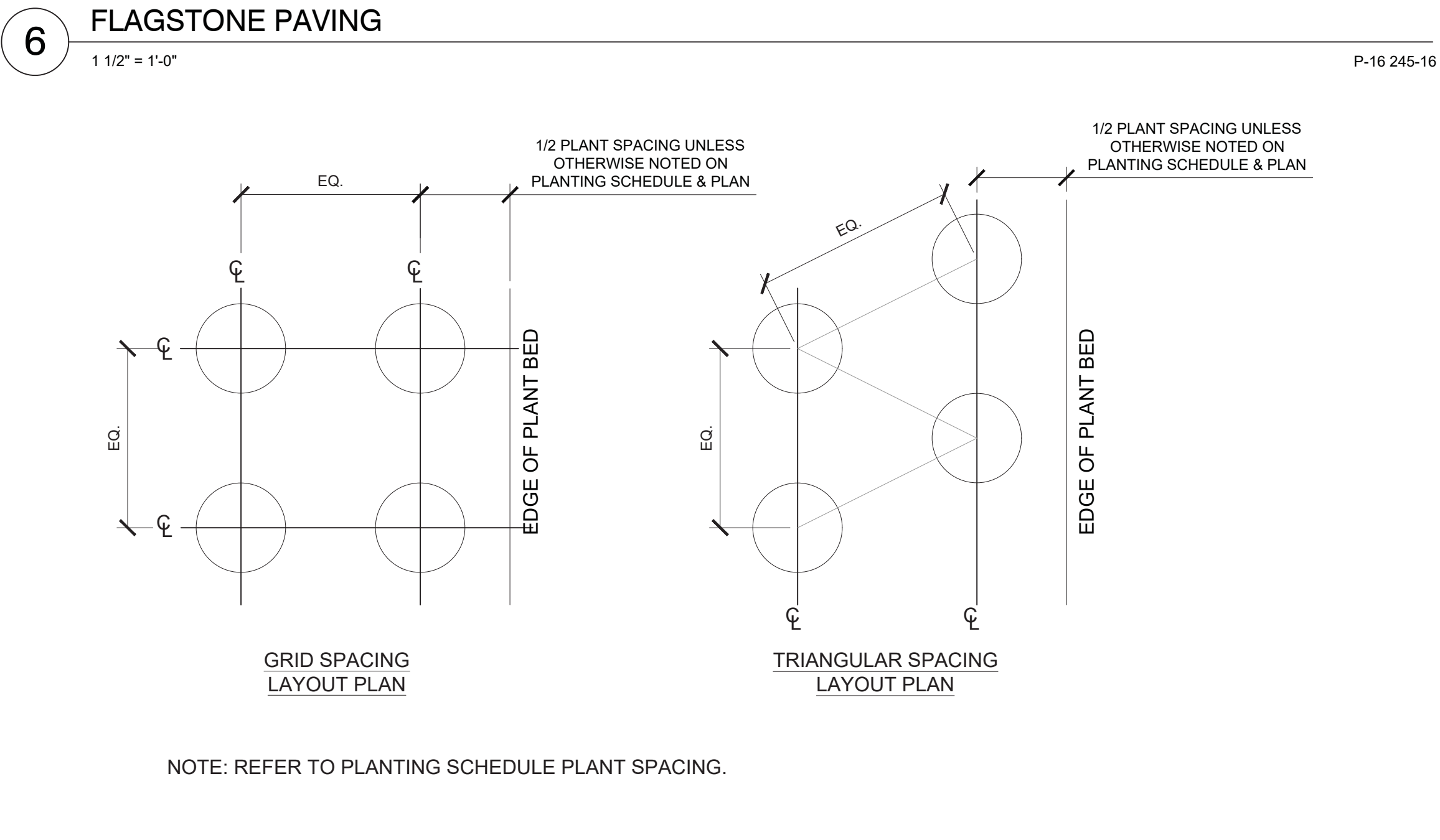
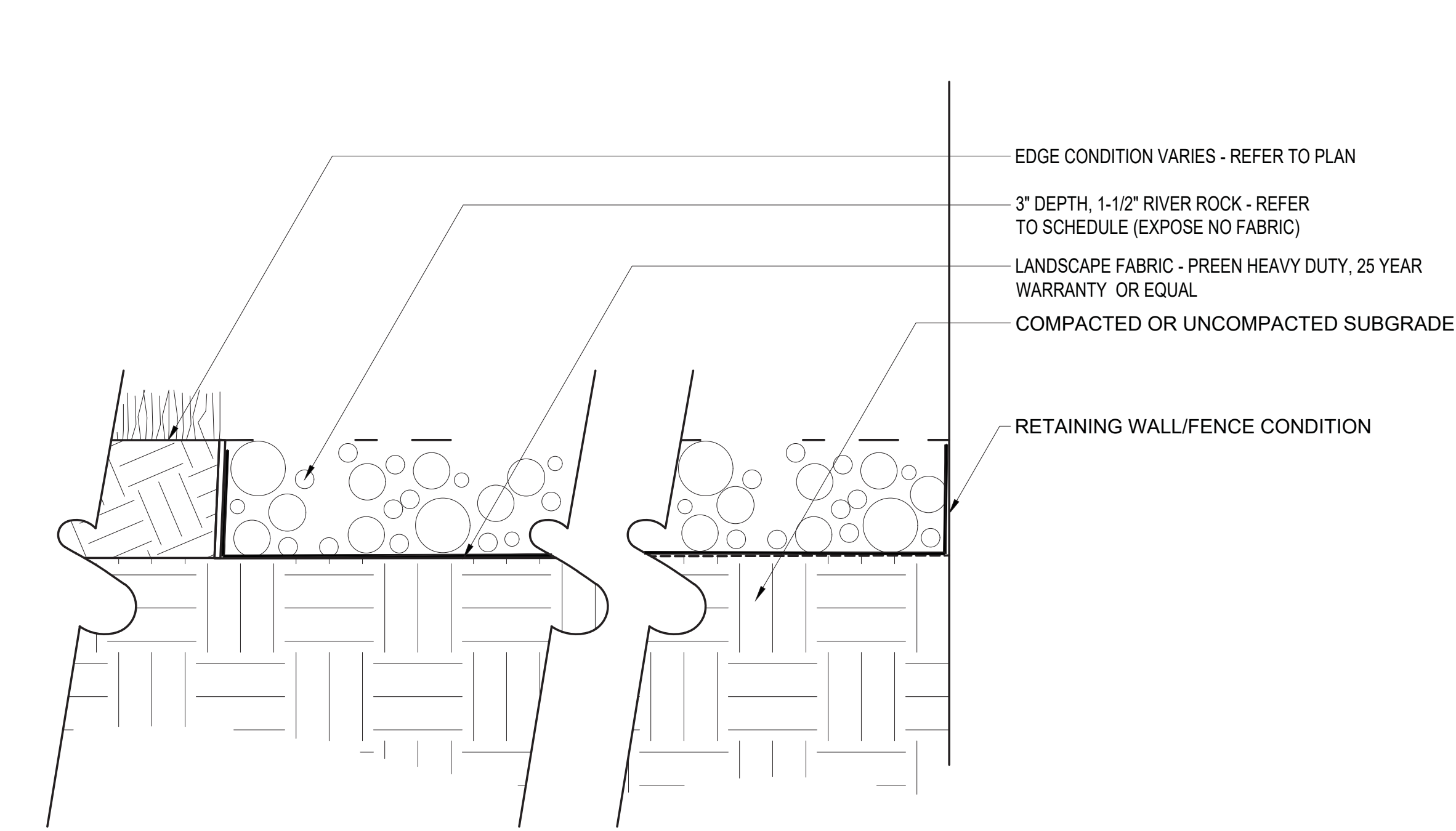
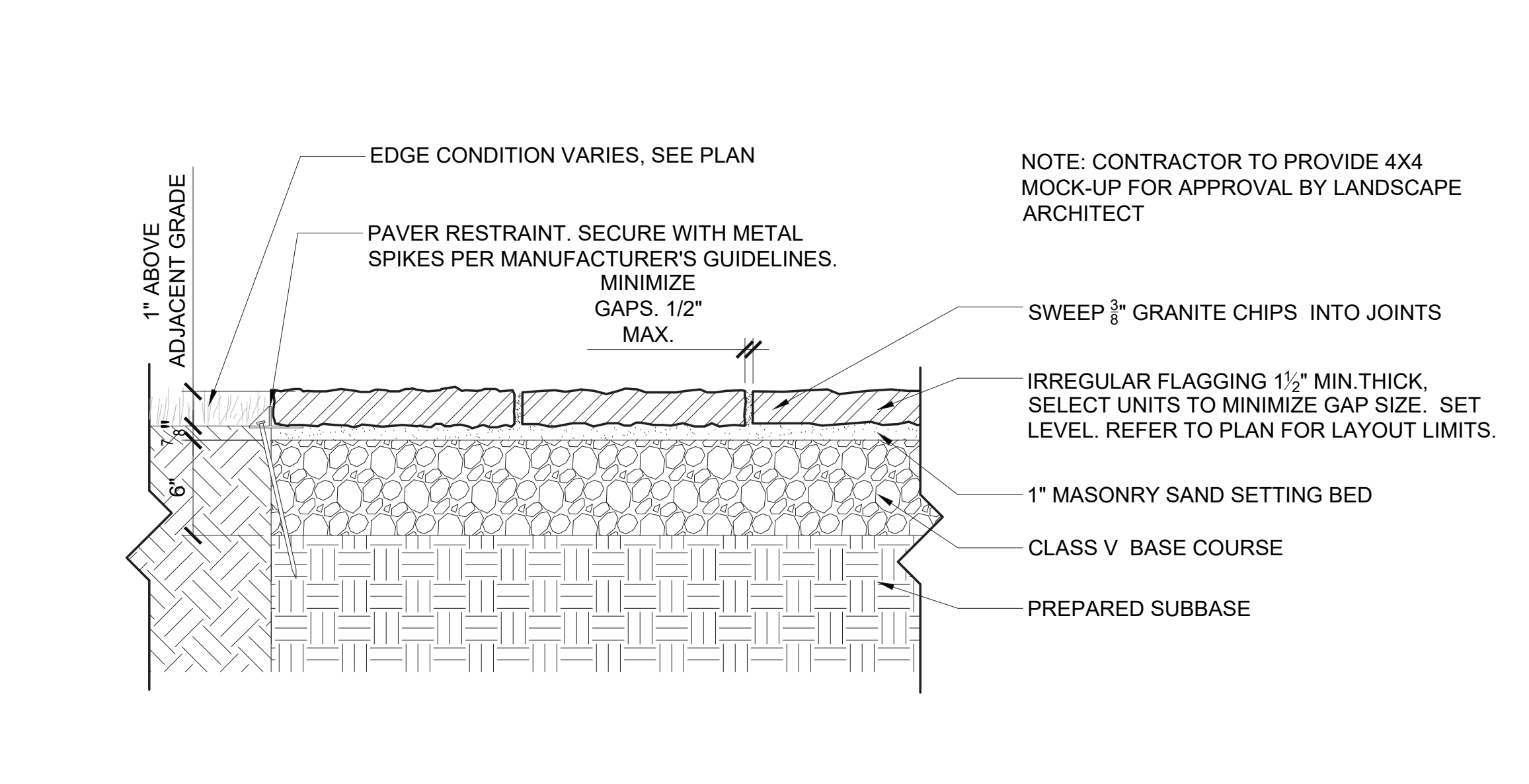
MATERIAL SCHEDULE

PAVING						
SYMBOL	DESCRIPTION	QTY	DETAIL	MATERIAL PROFILE/ASSEMBLY		
P-01	CONCRETE PAVING--STANDARD	7,682 SF	SEE CIVIL	4" DEPTH REINF. STANDARD GRAY CONCRETE WALK OVER COMPACTED AGGREGATE BASE & SUBGRADE. LIGHT ACID ETCH FINISH. SAWCUT JTS.		
P-02	FLAGSTONE	2,248 SF	5/L500	DOLOMITE IRREGULAR FLAGSTONE. 1 1/2" - 2" T. 1/2" WIDE JTS. SAND SETTING BED OVER COMPACTED AGGREGATE BASE & SUBGRADE.		
SITE FURNITURE						
SYMBOL	DESCRIPTION	QTY	DETAIL	MATERIAL PROFILE/ASSEMBLY	MANUFACTURER	PRODUCT/MODEL
SF-01	BIKE RACK	6	7/L500	DERO	HOOP RACK	GALVANIZED
SF-02	CAST IN PLACE BENCH	86 LF	8/L500	CONCRETE SEAT WITH WOOD TOP	CUSTOM	
SYMBOL	DESCRIPTION	QTY	DETAIL	MATERIAL PROFILE/ASSEMBLY	MANUFACTURER	COLOR/FINISH
MM-01	MINERAL MULCH	578 SF	9/L500	4"-9" LANDSCAPE STONE	HEDBERG	BUFF LIMESTONE

PLANT SCHEDULE - PHASE 1

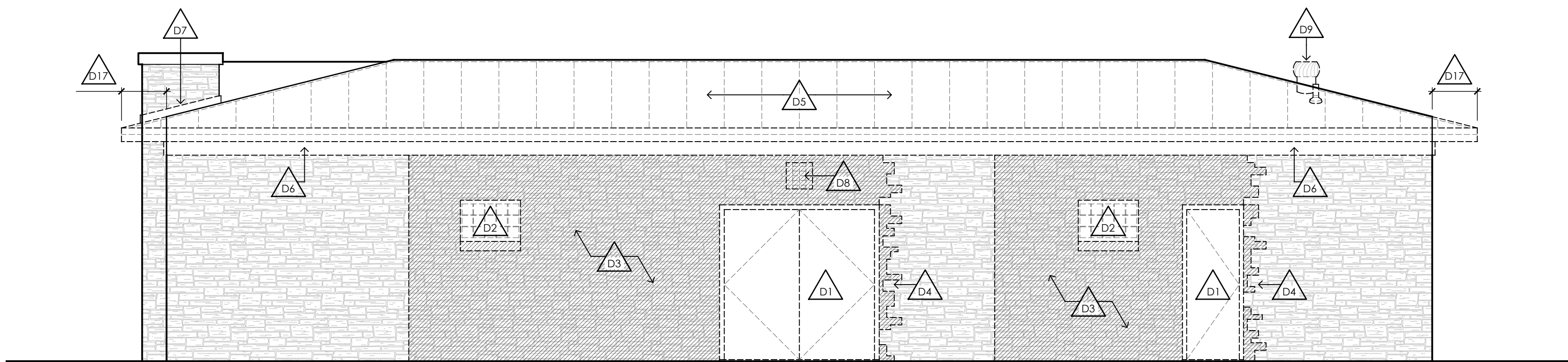
TREES	CODE	QTY	BOTANICAL NAME / COMMON NAME	SIZE	CONT.	NOTES
	AC-A	6	ACER RUBRUM 'ARMSTRONG' / ARMSTRONG RED MAPLE	3" CAL.	B&B	SINGLE LEADER, WELL BRANCHED
	AC-B	3	ACER RUBRUM 'AUTUMN BLAZE' / AUTUMN BLAZE RED MAPLE CLUMP	12' HEIGHT	B&B	CLUMP FORM
	QU-N	17	QUERCUS X WAREI 'NADLER' / KINDRED SPIRIT OAK	3" CAL.		
	UL-C	6	ULMUS X 'CATHEDRAL' / CATHEDRAL ELM	3" CAL.	B&B	SINGLE LEADER, WELL BRANCHED
DECIDUOUS SHRUBS	CODE	QTY	BOTANICAL NAME / COMMON NAME	SIZE	CONT.	NOTES
	RH-G	137	RHUS AROMATICA 'GRO-LOW' / GRO-LOW FRAGRANT SUMAC	#5	CONT.	PLANT AS SHOWN ON PLAN
	SP-G	17	SPIRAEA X BUMALDA 'GOLDFLAME' / GOLDFLAME SPIREA	#5	CONT.	PLANT AS SHOWN ON PLAN
EVERGREEN SHRUBS	CODE	QTY	BOTANICAL NAME / COMMON NAME	SIZE	CONT.	NOTES
	JU-H	54	JUNIPERUS HORIZONTALIS 'BLUE PRINCE' / BLUE PRINCE JUNIPER	#5	CONT.	
	PI-M	40	PINUS MUGO / MUGO PINE	#5		
	TA-D	49	TAXUS X MEDIA 'DARK GREEN' / DARK GREEN YEW	#7	CONT.	PLANT AS SHOWN ON PLAN
GROUND COVERS	CODE	QTY	BOTANICAL NAME / COMMON NAME	SIZE	CONT.	NOTES
	TS4	3,254 SF	TURF SOD / DROUGHT TOLERANT FESCUE BLEND	FLAT		

NOTE: PLANTING AND HARDSCAPE QUANTITIES AND LOCATIONS ARE PRELIMINARY AND ARE SUBJECT TO CHANGE AS PHASE 2 DEVELOPMENT OCCURS

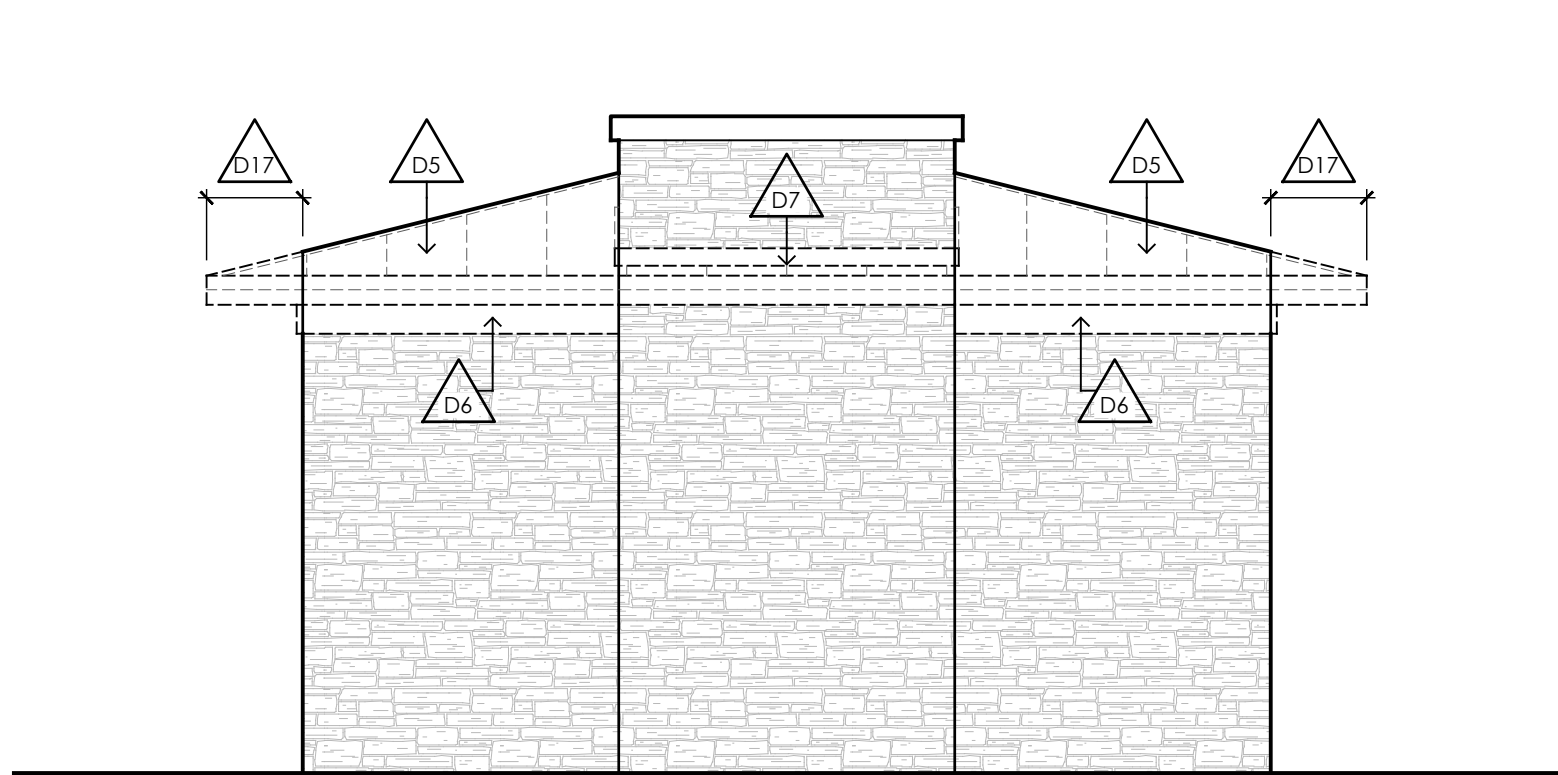


- GENERAL NOTES:
1. DIMENSIONS ARE TAKEN FROM FACE OF STONE VENEER U.A.I.O.
 2. FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO SUBMITTING BID AND NOTIFY ARCHITECT OF DISCREPANCIES OR PERCEIVED DIFFICULTIES.
 3. ALL ITEMS LISTED FOR DEMOLITION SHALL BE RE-USED OR REMOVED COMPLETELY AND DISPOSED OF AS SPECIFIED OR AS INDICATED ON THE DRAWINGS.
 4. EXERCISE EXTREME CARE DURING DEMOLITION SO AS TO NOT DAMAGE CONSTRUCTION AND OTHER STRUCTURES THAT ARE INTENDED TO REMAIN. ANYTHING DAMAGED AT THE TIME OF WORK IS TO BE REPLACED AND/OR REPAIRED TO MATCH EXISTING CONSTRUCTION AT CONTRACTOR'S EXPENSE.
 5. OWNER WILL REMOVE ALL ITEMS OF VALUE FROM THE BUILDING PRIOR TO THE START OF DEMOLITION.
 6. ALL FLOOR PLANS ARE PROVIDED FOR REFERENCE ONLY. LOCATIONS OF WALLS, DOORS, WINDOWS, FIXTURES, ETC., ARE APPROXIMATE AND SHALL BE VERIFIED BY THE DEMOLITION CONTRACTOR.
 7. ADDITIONAL DEMOLITION NOTES ARE INCLUDED THROUGHOUT THE DRAWINGS. REFER TO ALL OTHER PLANS, INCLUDING, BUT NOT LIMITED TO CIVIL ENGINEERING, ETC. FOR COMPLETE SCOPE OF WORK TO BE INCLUDED.
 8. REFER TO MECHANICAL/ELECTRICAL/PLUMBING FOR DEMOLITION OF PIPING, EQUIPMENT, FIXTURES, ETC.
 9. REMOVE ALL ABANDONED/UNUSED ANCHORS/FASTENERS IN EXISTING STONE VENEER.

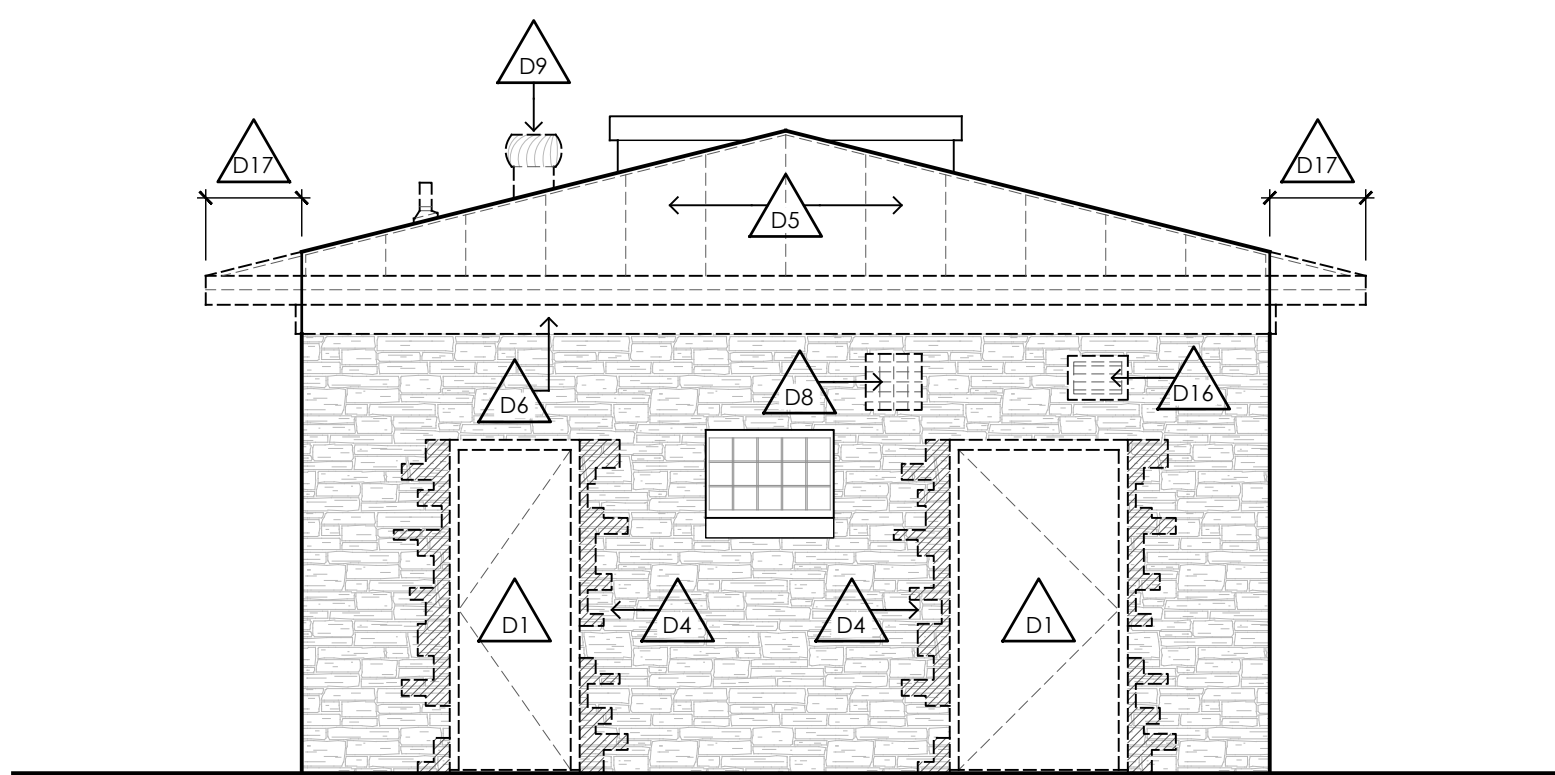
- DEMOLITION NOTES:
- D1 REMOVE EXISTING DOOR AND FRAME COMPLETE.
D2 REMOVE EXISTING GLASS BLOCK WINDOW COMPLETE.
D3 REMOVE EXISTING STONE VENEER AND SALVAGE FOR REUSE.
D4 REMOVE MASONRY BACK-UP WALL PER PLANS.
D5 REMOVE STONE VENEER TO ACCEPT IN-FILL OF OPENING AND TOOTH-IN AROUND PERIMETER. SALVAGE STONE FOR REUSE WHERE POSSIBLE.
D6 REMOVE EXISTING METAL STANDING SEAM ROOFING SYSTEM COMPLETE DOWN TO SUBSTRATE.
D7 REMOVE EXISTING METAL-CLAD FRIEZE BOARD COMPLETE.
D8 REMOVE METAL ROOF FLASHINGS COMPLETE.
D9 REMOVE ELECTRICAL LIGHT FIXTURES AND ASSOCIATED WIRING. REFER TO ELECTRICAL DRAWINGS.
D10 REMOVE EXHAUST FANS / VENT PIPES COMPLETE.
D11 UTILITY TO RELOCATE EXISTING ELECTRIC METER.
D12 REMOVE EXISTING MASONRY PARTITION WALL.
D13 REMOVE EXISTING CEILING SYSTEM AND ASSOCIATED FIXTURES. REFER TO ELECTRICAL DRAWINGS.
D14 SAW CUT AND REMOVE EXISTING CONCRETE FLOOR SLAB.
D15 REMOVE EXISTING TILE WALL FINISH COMPLETE.
D16 REMOVE EXISTING ELECTRICAL PANEL / RECEPTACLES / DEVICES AND ASSOCIATED CONDUIT AND WIRING. REFER TO ELECTRICAL DRAWINGS.
D17 REMOVE EXISTING LOUVER COMPLETE.
D18 REMOVE EXISTING FASCIA, SOFFIT, AND WOOD RAFTER OVERHANG FRAMING COMPLETE.
D19 REMOVE EXISTING PLUMBING FIXTURES COMPLETE. REFER TO PLUMBING DRAWINGS.
D19 DEMOLISH AND REMOVE TOP OF FOUNDATION WALL FOR NEW CONCRETE POUR OVER WALL (MIN. SLAB DEPTH OF 4").



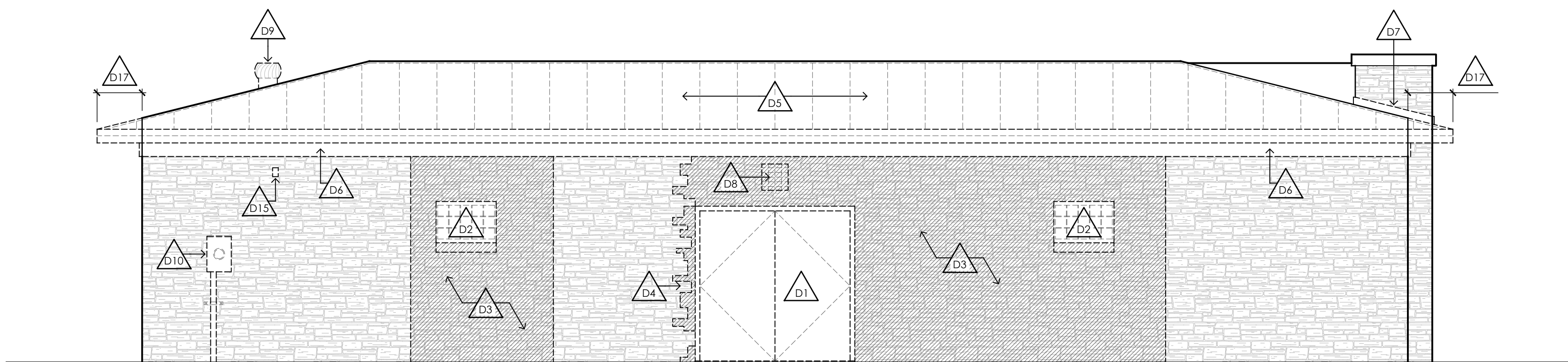
1 EAST ELEVATION - DEMOLITION
A100 1/4" = 1'-0"



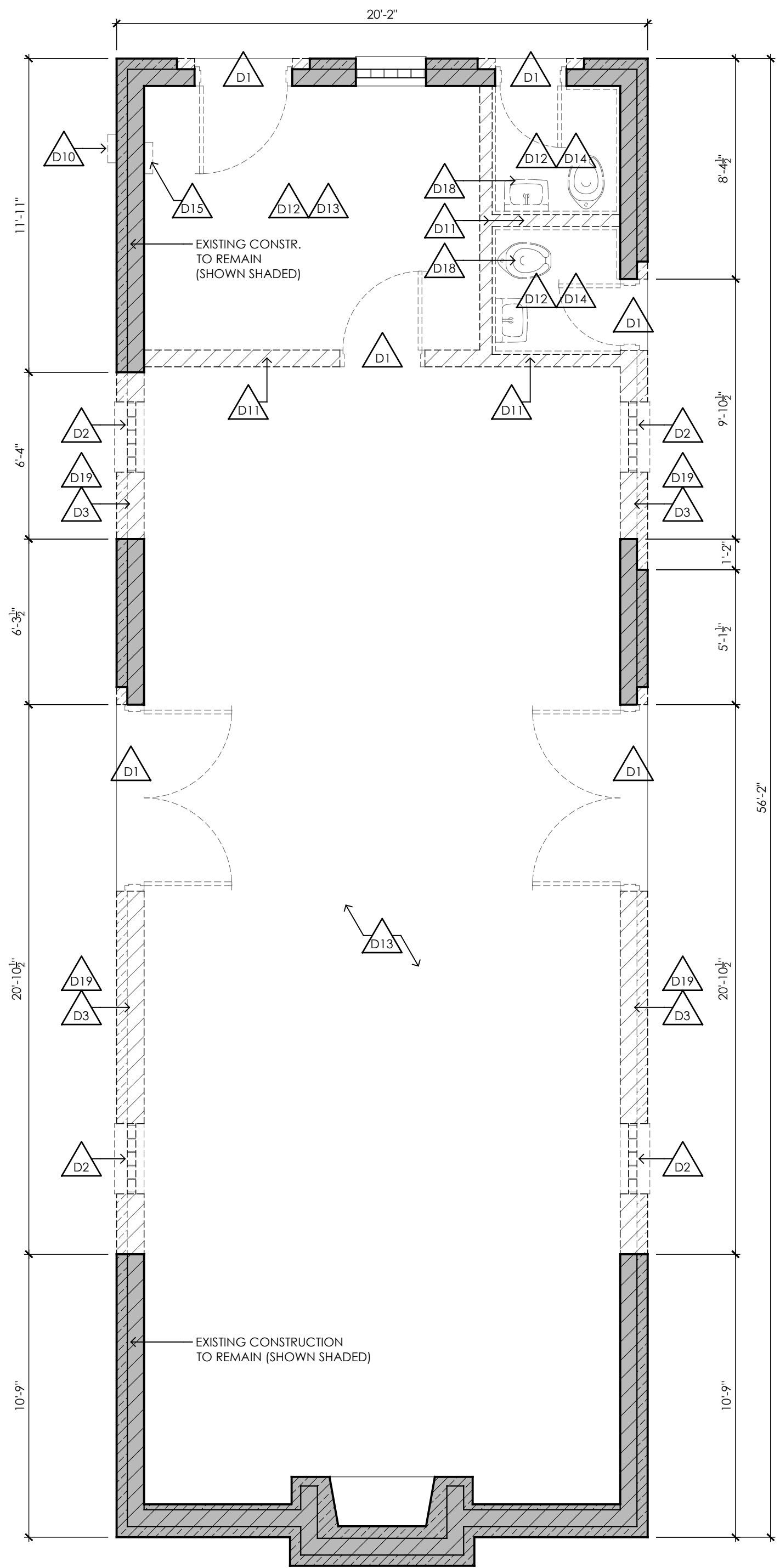
2 SOUTH ELEVATION - DEMOLITION
A100 1/4" = 1'-0"



3 NORTH ELEVATION - DEMOLITION
A100 1/4" = 1'-0"



4 WEST ELEVATION - DEMOLITION
A100 1/4" = 1'-0"



5 DEMOLITION PLAN
A100 1/4" = 1'-0"

PRELIMINARY
NOT FOR CONSTRUCTION

PROJECT
ALL ABILITIES TRANE PARK
PH. 1 - BUILDING + SITE IMPROVEMENTS
CITY OF LA CROSSE, WI

DATE Aug. 3, 2018 PROJECT No 1410
DRAWN BY CLR DRAWING TITLE
CHECKED BY MWS DEMOLITION PLAN, ELEVATIONS

SHEET No
A100

ROOM MATERIAL AND FINISH SCHEDULE																
ROOM #	ROOM NAME	FLOOR		BASE	WALLS								CEILING			REMARK
					NORTH		EAST		SOUTH		WEST		SUBSTRATE	FINISH	CLG. HT.	
		SUBSTRATE	FINISH		SUBSTRATE	FINISH	SUBSTRATE	FINISH	SUBSTRATE	FINISH	SUBSTRATE	FINISH				
101	MEN'S ROOM	CONCRETE	POLISH	TILE	T.S.B.	TILE	T.S.B.	TILE	T.S.B.	TILE	T.S.B.	TILE	GYP. BD.	PAINT	9'-0"	1, 2, 3
102	RESTROOM	CONCRETE	POLISH	TILE	T.S.B.	TILE	T.S.B.	TILE	T.S.B.	TILE	T.S.B.	TILE	GYP. BD.	PAINT	9'-0"	1, 2, 3
103	WOMEN'S ROOM	CONCRETE	POLISH	TILE	T.S.B.	TILE	T.S.B.	TILE	T.S.B.	TILE	T.S.B.	TILE	GYP. BD.	PAINT	9'-0"	1, 2, 3
104	CORRIDOR	CONCRETE	POLISH	VINYL	GYP. BD.	PAINT	EXST	..	GYP. BD.	PAINT	GYP. BD.	PAINT	WD.	NONE	8'-3 1/4"	
105	STORAGE	CONCRETE	POLISH	VINYL	GYP. BD.	PAINT	GYP. BD.	PAINT	GYP. BD.	PAINT	GYP. BD.	PAINT	GYP. BD.	PAINT	9'-1"	
106	MECHANICAL	CONCRETE	SEAL	VINYL	GYP. BD.	PAINT	GYP. BD.	PAINT	GYP. BD.	PAINT	GYP. BD.	PAINT	EXST	EXST	8'-3 1/4"	
107	CORRIDOR	CONCRETE	POLISH	VINYL	GYP. BD.	PAINT	GYP. BD.	PAINT	GYP. BD.	PAINT	GYP. BD.	PAINT	WD.	NONE	8'-3 1/4"	
108	MULTIPURPOSE ROOM	CONCRETE	POLISH	VINYL	GYP. BD.	PAINT	GYP. BD.	PAINT	GYP. BD.	PAINT	GYP. BD.	PAINT	EXST	

FINISH SCHEDULE REMARKS:

- FURNISH AND INSTALL 1/2" MOISTURE AND MOLD RESISTANT GYPSUM BOARD (WALLS AND/OR CEILING).
- FURNISH AND INSTALL WALL TILE AS INDICATED ON SHEET # A401.
- FURNISH AND INSTALL SOUND ATTENUATION BATTS IN ALL INTERIOR WALLS.

ABBREVIATIONS:

A.C.T.
C.M.U.
CONC.
CRPT.
EPXY
GYP. BD.
MTL.

ACOUSTICAL PANEL
CONCRETE MASONRY UNIT
CONCRETE
CARPET
EPOXY
GYPSUM BOARD
METAL

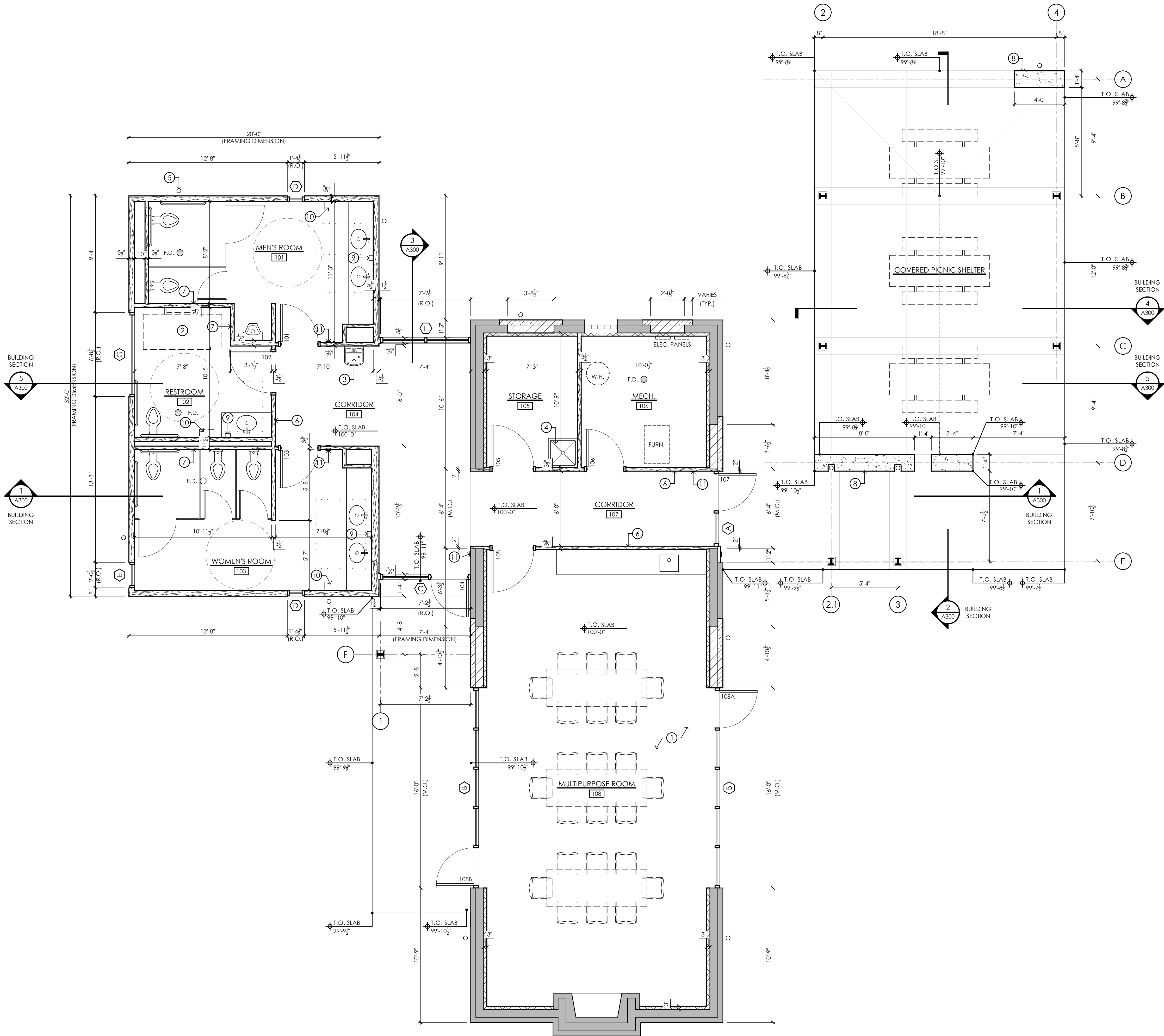
PNT.
T.S.B.
VCT
V.P.C.
S.S.
WD.
W.P.C.

PAINT
TILE BACKER BOARD
VINYL COMPOSITION TILE
VINYL PANEL CEILING TILE
STAINLESS STEEL
WOOD
WOOD PANEL CEILING

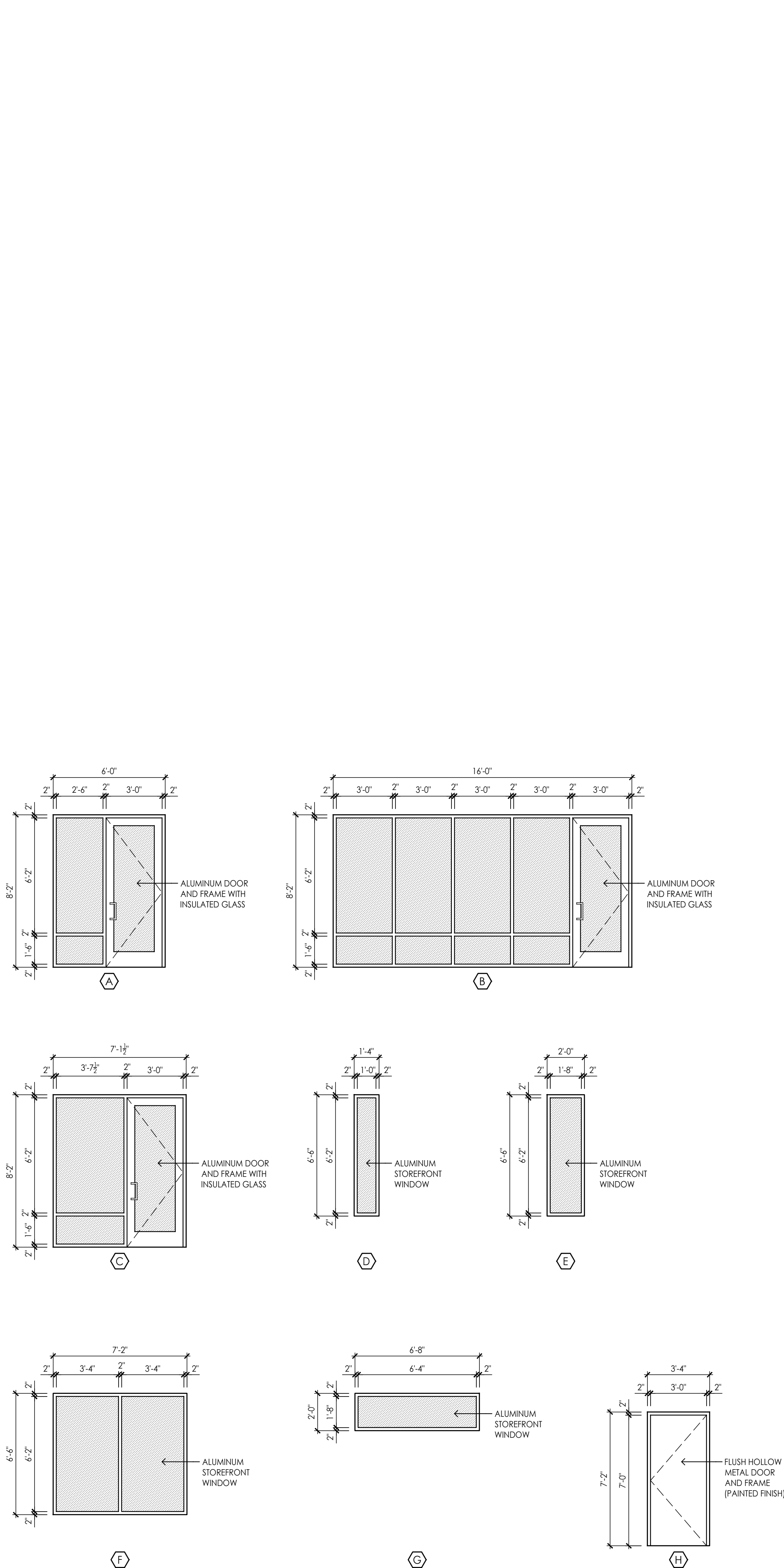
DOOR SCHEDULE																
NO.	SIZE			DOOR				FRAME							REMARK	
	W.	H.	T.	MAT.	TYPE	GLASS	MAT.	TYPE	DEPTH	HEAD	JAMB	SILL	FIRE RATING	HDWR GROUP		
101	3'-0"	7'-0"	1 3/4"	H.M.	H	--	H.M.	H	6"							
102	3'-4"	7'-0"	1 3/4"	H.M.	H	--	H.M.	H	6"							
103	3'-0"	7'-0"	1 3/4"	H.M.	H	--	H.M.	H	6"							
104	3'-0"	7'-0"	2 1/4"	ALUM.	C	GLT-1	ALUM.	C	4 1/2"							
105	3'-4"	7'-0"	1 3/4"	H.M.	H	--	H.M.	H	6"							
106	3'-0"	7'-0"	1 3/4"	H.M.	H	--	H.M.	H	6"				1 HR.		1	
107	3'-0"	7'-0"	2 1/4"	ALUM.	A	GLT-1	ALUM.	A	4 1/2"							
108	3'-4"	7'-0"	1 3/4"	H.M.	H	--	H.M.	H	6"							
108A	3'-0"	7'-0"	2 1/4"	ALUM.	B	GLT-1	ALUM.	B	4 1/2"							
108B	3'-0"	7'-0"	2 1/4"	ALUM.	B	GLT-1	ALUM.	B	4 1/2"							

DOOR SCHEDULE REMARKS:

- ELECTRIC STRIKE FOR REMOTE OPERATION OF DOOR.



1 PARK BUILDING FLOOR PLAN
1/4" = 1'-0"



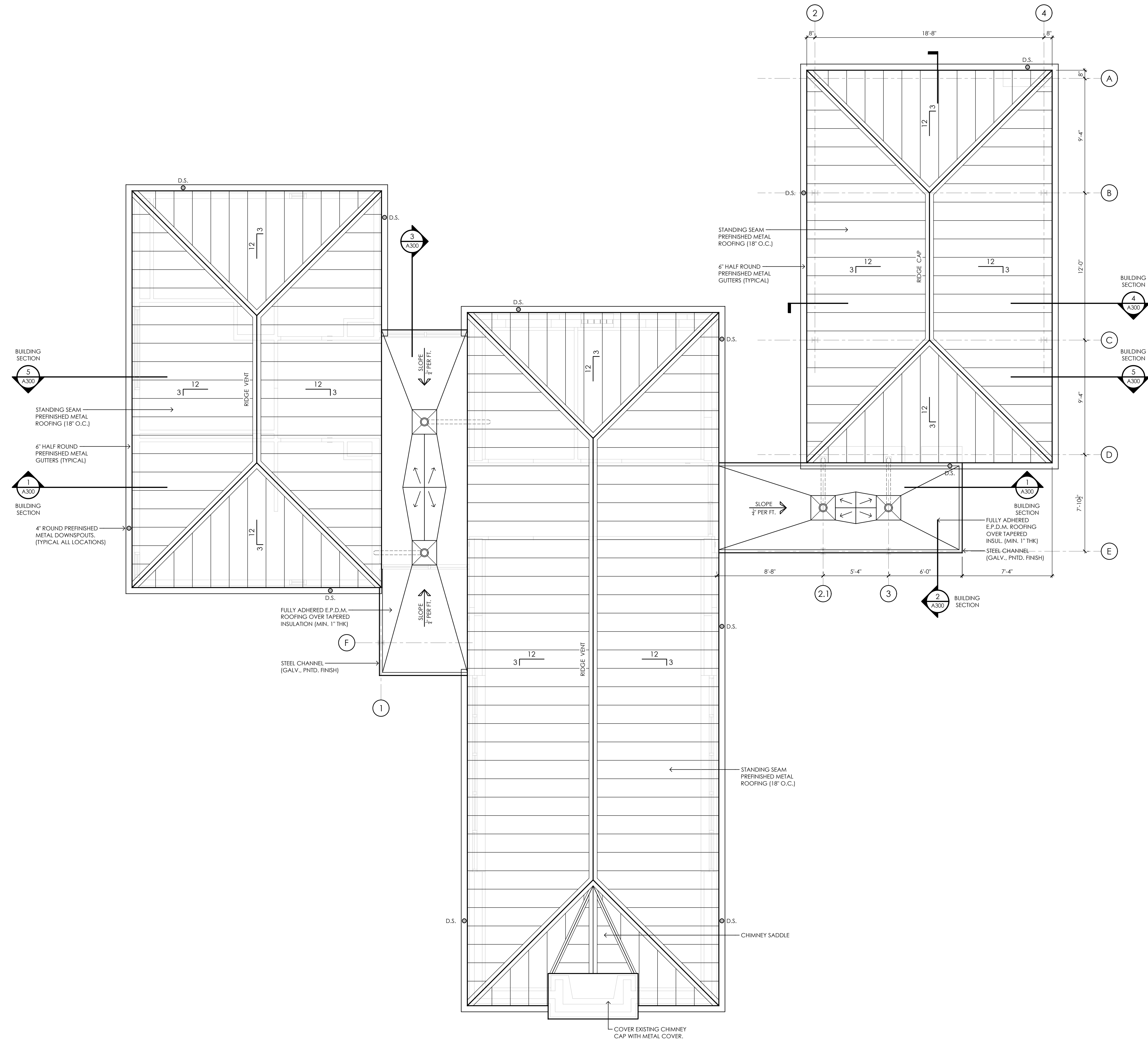
2 WINDOW + DOOR TYPES
1/4" = 1'-0"

GENERAL NOTES:

- DIMENSIONS ARE TAKEN FROM FACE OF FRAMING U.N.O.
- ALL DOOR JAMBS TO BE LOCATED 3" FROM ADJACENT PERPENDICULAR WALL U.N.O.
- PROVIDE MINIMUM 2x8 BLOCKING BETWEEN STUDS AT ATTACHMENT POINTS FOR ALL WALL HUNG ACCESSORIES, SHELVES, TOILET PARTITIONS, CABINETS, MIRRORS, ETC., REFER TO X/AXX FOR WINDOW AND DOOR TYPES.

SHEET KEYNOTES:

- NEW CONCRETE SLAB IN AREAS REMOVED DURING DEMOLITION - MATCH DEPTH OF EXISTING CONDITIONS.
- ACCESSIBLE CHANGING TABLE: PROVIDE ADDITIONAL BLOCKING AS REQ'D BY MANUFACTURER.
- ACCESSIBLE DRINKING FOUNTAIN.
- MOP SINK.
- 4" ROUND DOWNSPOUTS TO CONNECT TO STORM DRAIN. SEE PLUMBING DRAWINGS.
- ABUSE RESISTANT GYPSUM BOARD TO 9'-0" ABOVE FINISHED FLOOR. (TYPICAL ALL WALLS)
- SOUND ATTENUATION BATTS. (TYPICAL ALL INTERIOR WALLS OF ROOM)
- CAST-IN-PLACE CONCRETE WALL (RUBBED FINISH). REFER TO EXTERIOR ELEVATIONS. WALLS TO RECEIVE WATER REPELLANT TREATMENT.
- SOAP DISPENSER.
- ELECTRIC HAND DRYER.
- AUTOMATIC DOOR OPENER. SEE ELECTRICAL DRAWINGS.



1 PARK BUILDING ROOF PLAN
A102
1/4" = 1'-0" N

GENERAL NOTES:
1. DIMENSIONS ARE TAKEN FROM FACE OF FRAMING U.N.O.

SHEET KEYNOTES:
1.

PROJECT
ALL ABILITIES TRANE PARK
PH. 1 - BUILDING + SITE IMPROVEMENTS
CITY OF LA CROSSE, WI

DATE
Aug. 3, 2018

DRAWN BY
CLR

CHECKED BY
MWS

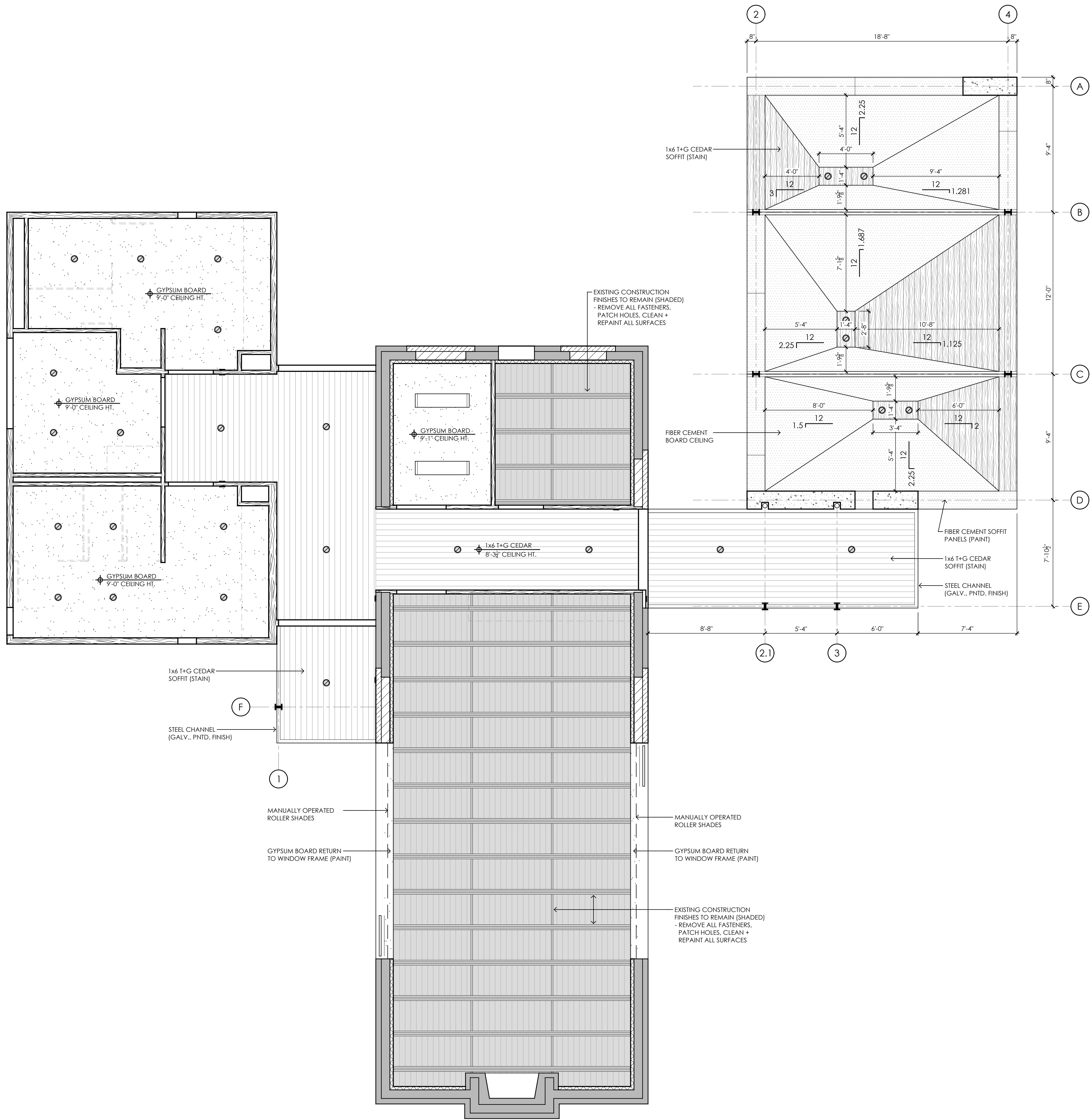
PROJECT No
1410

DRAWING TITLE
PARK BUILDING ROOF PLAN

SHEET No
A102

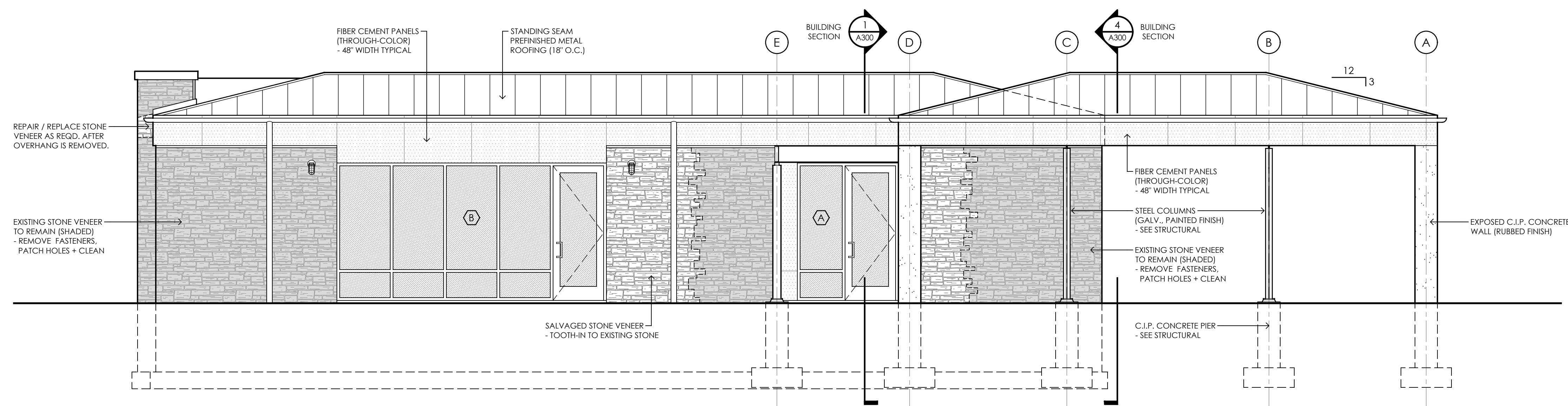
PRELIMINARY
NOT FOR CONSTRUCTION

riverARCHITECTS
740 7th Street North La Crosse, WI 54601 - 3396 Tel 608 785-2217

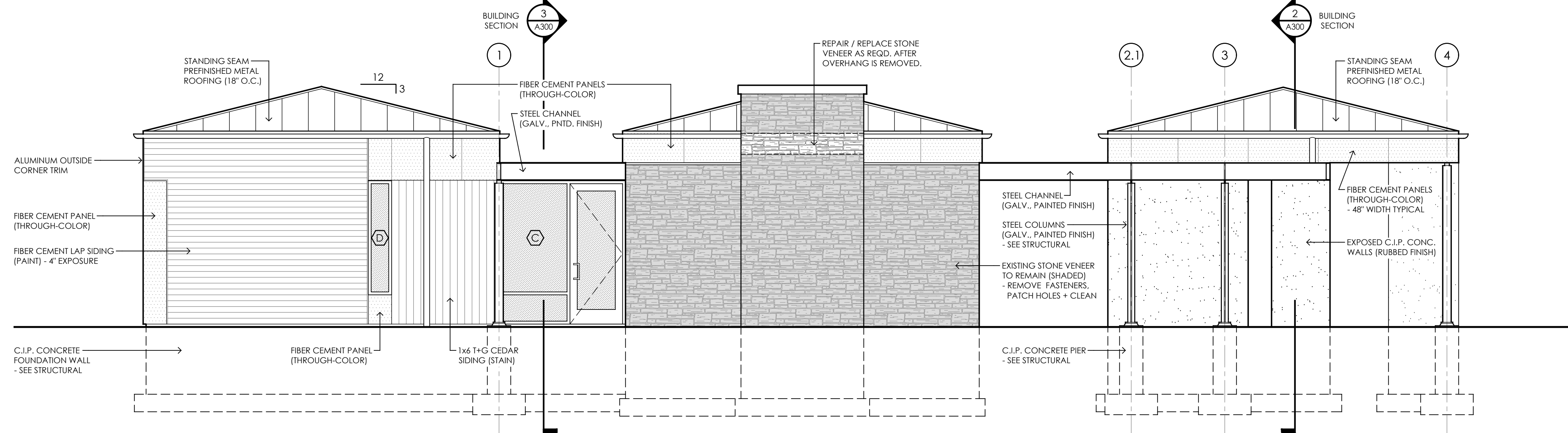


GENERAL NOTES:
1. DIMENSIONS ARE TAKEN FROM FACE OF FRAMING U.N.O.

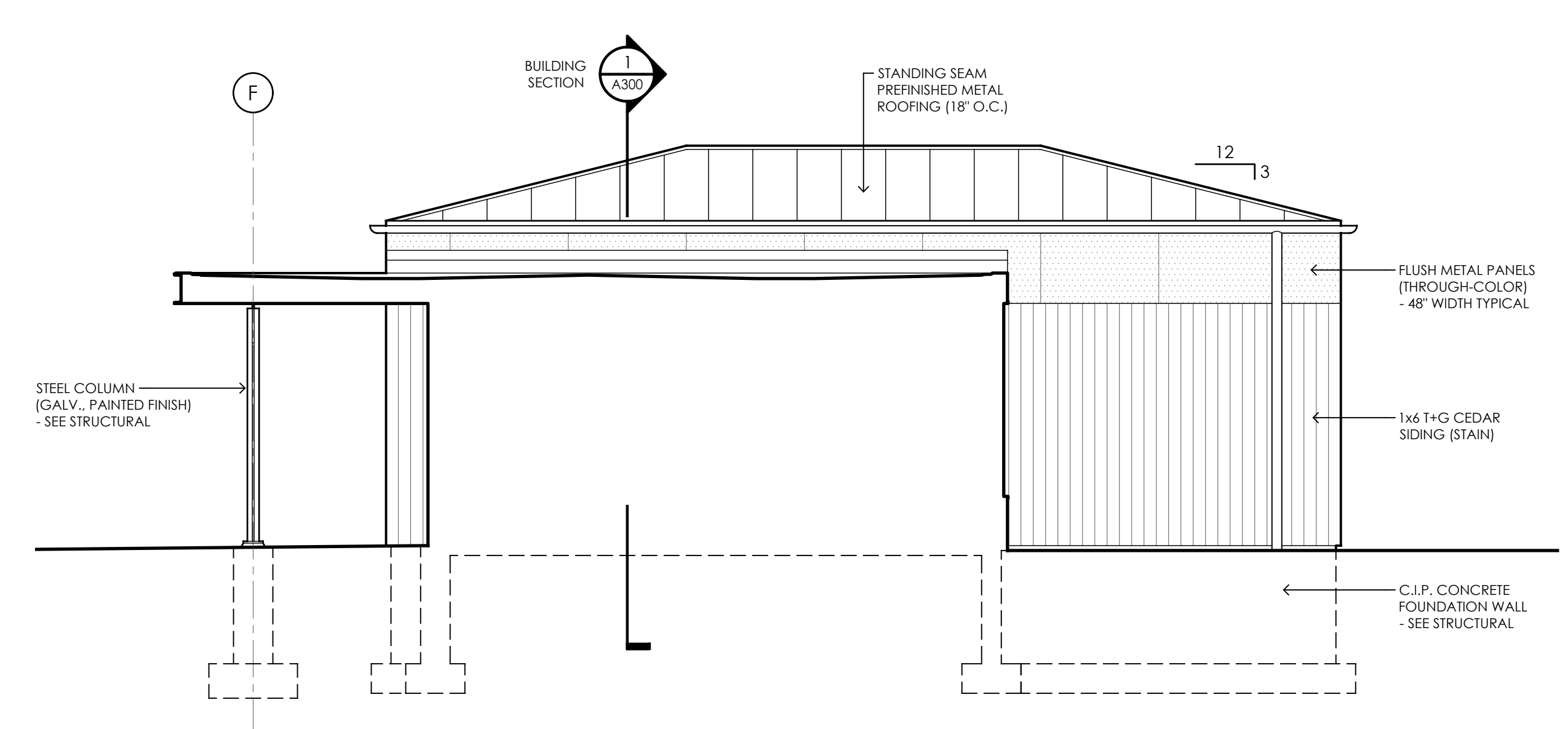
SHEET KEYNOTES:
1.



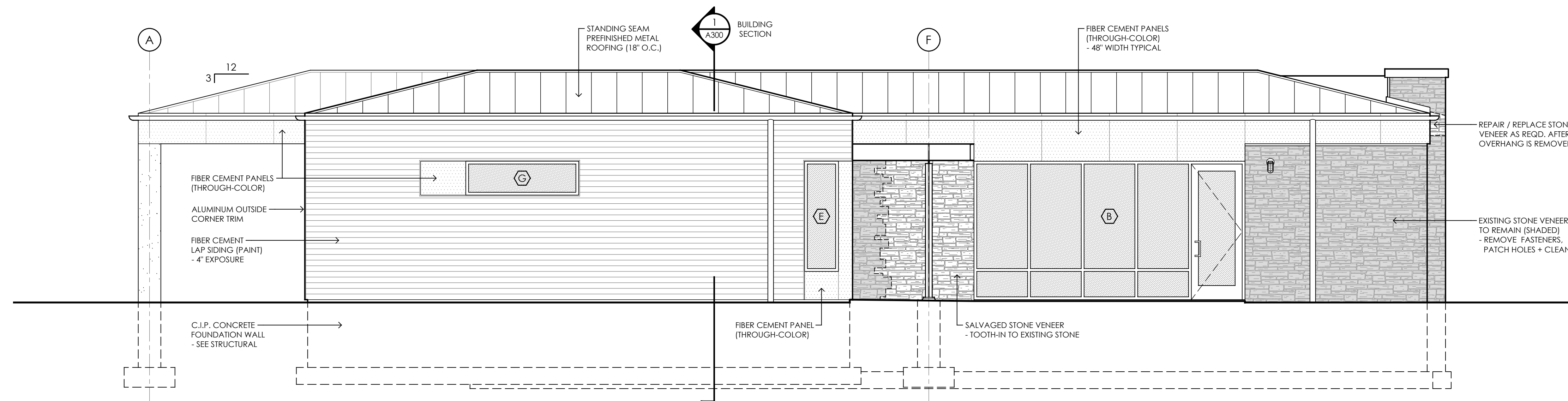
1 EAST ELEVATION
A200
1/4" = 1'-0"



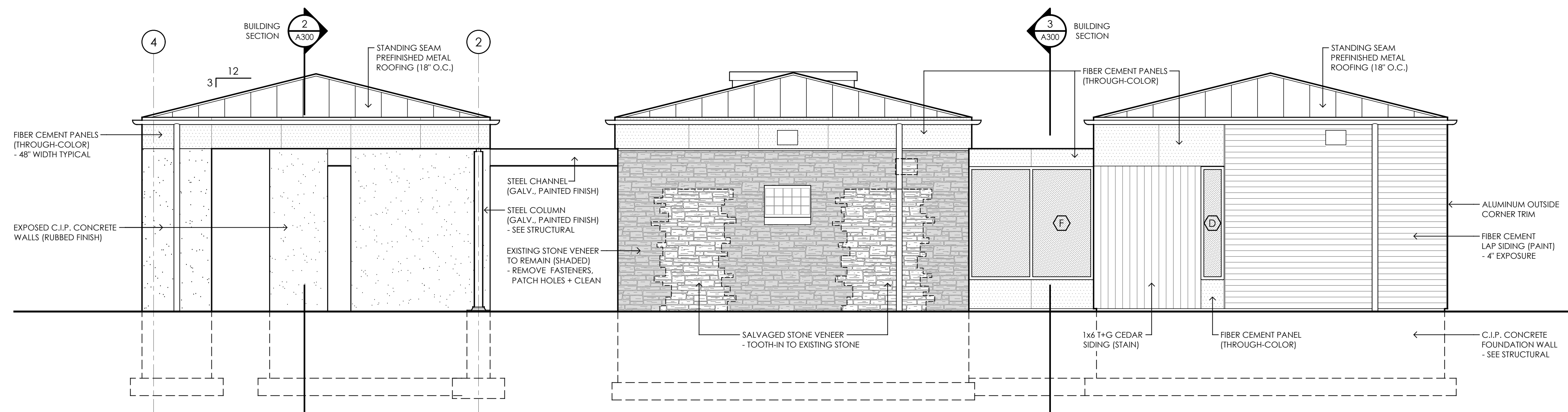
2 SOUTH ELEVATION
A200
1/4" = 1'-0"



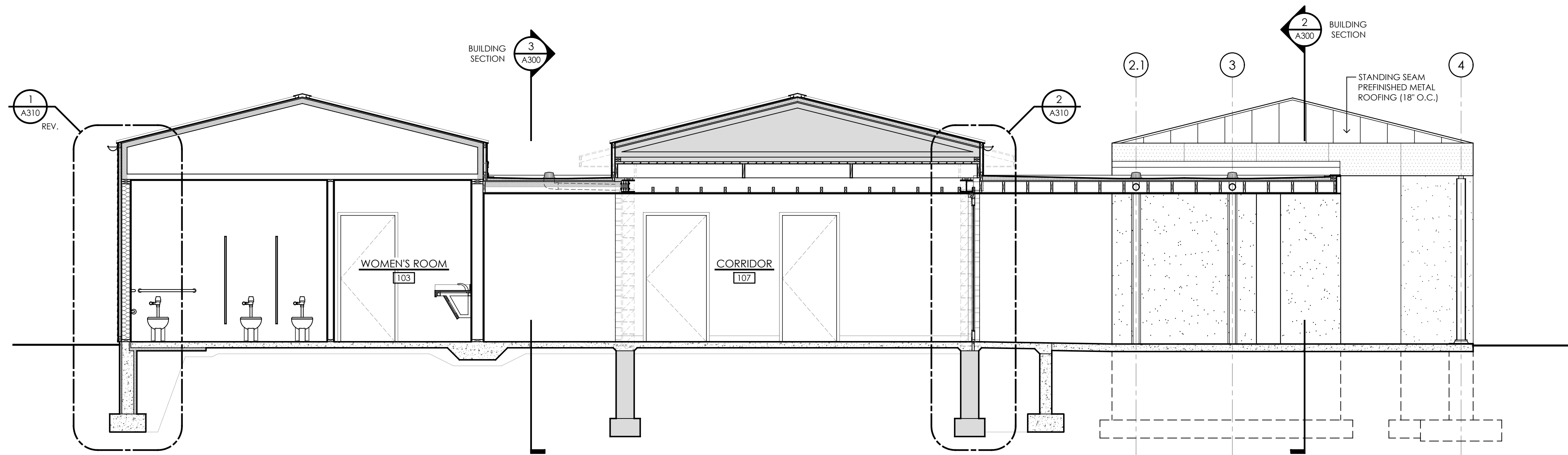
3 PARTIAL EAST ELEVATION
A200
1/4" = 1'-0"



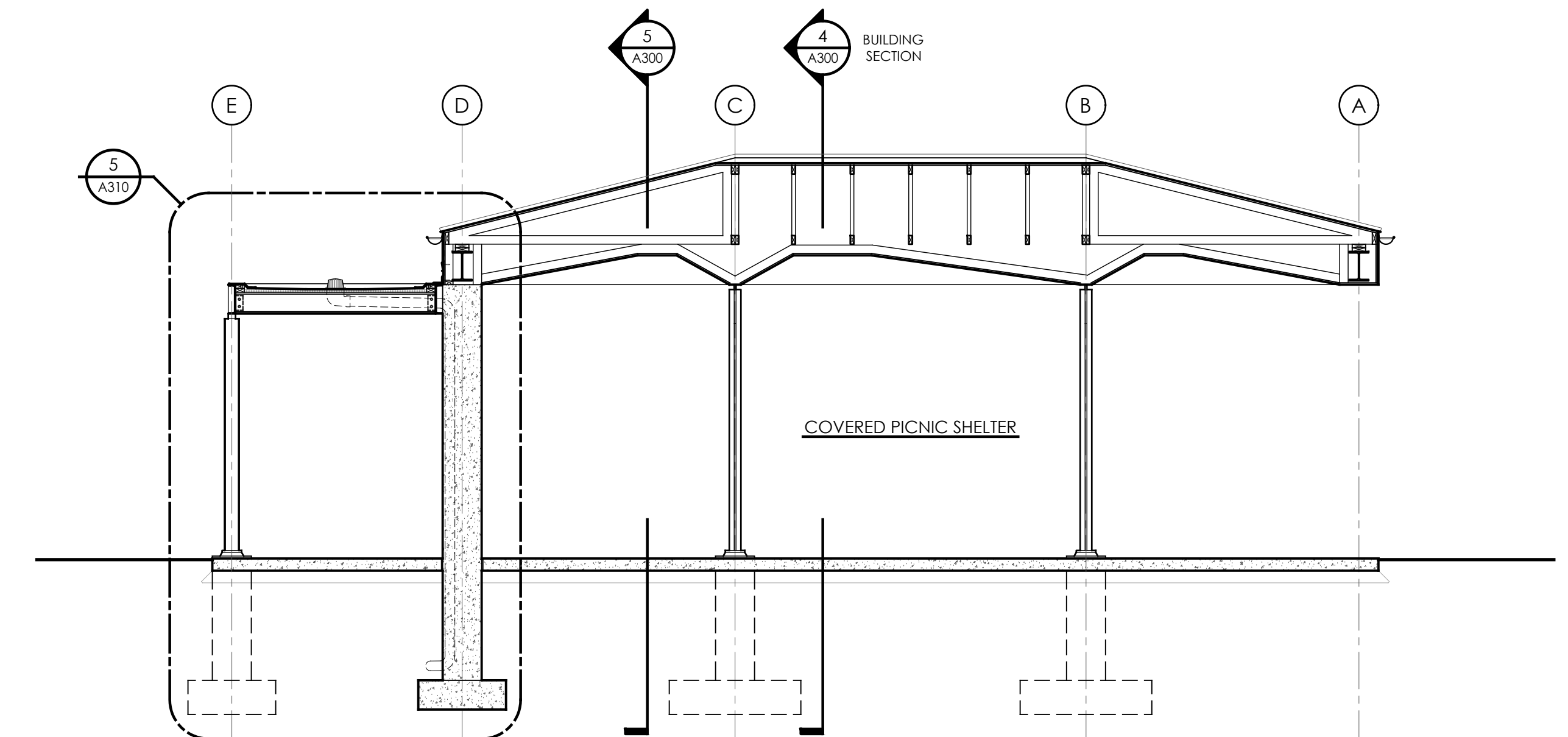
4 WEST ELEVATION
A200
1/4" = 1'-0"



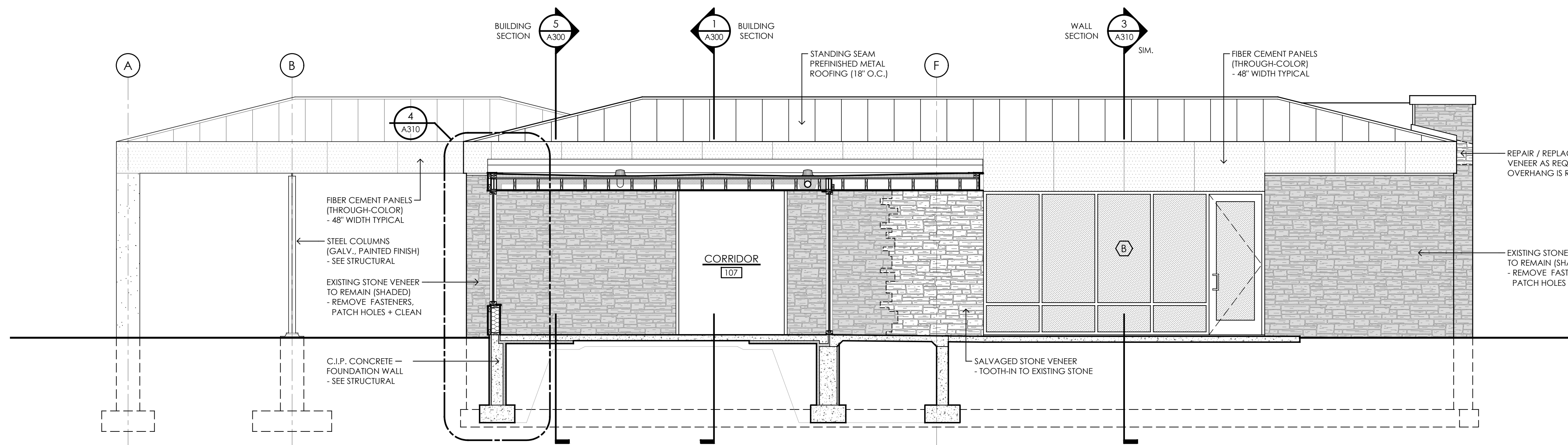
5 NORTH ELEVATION
A200
1/4" = 1'-0"



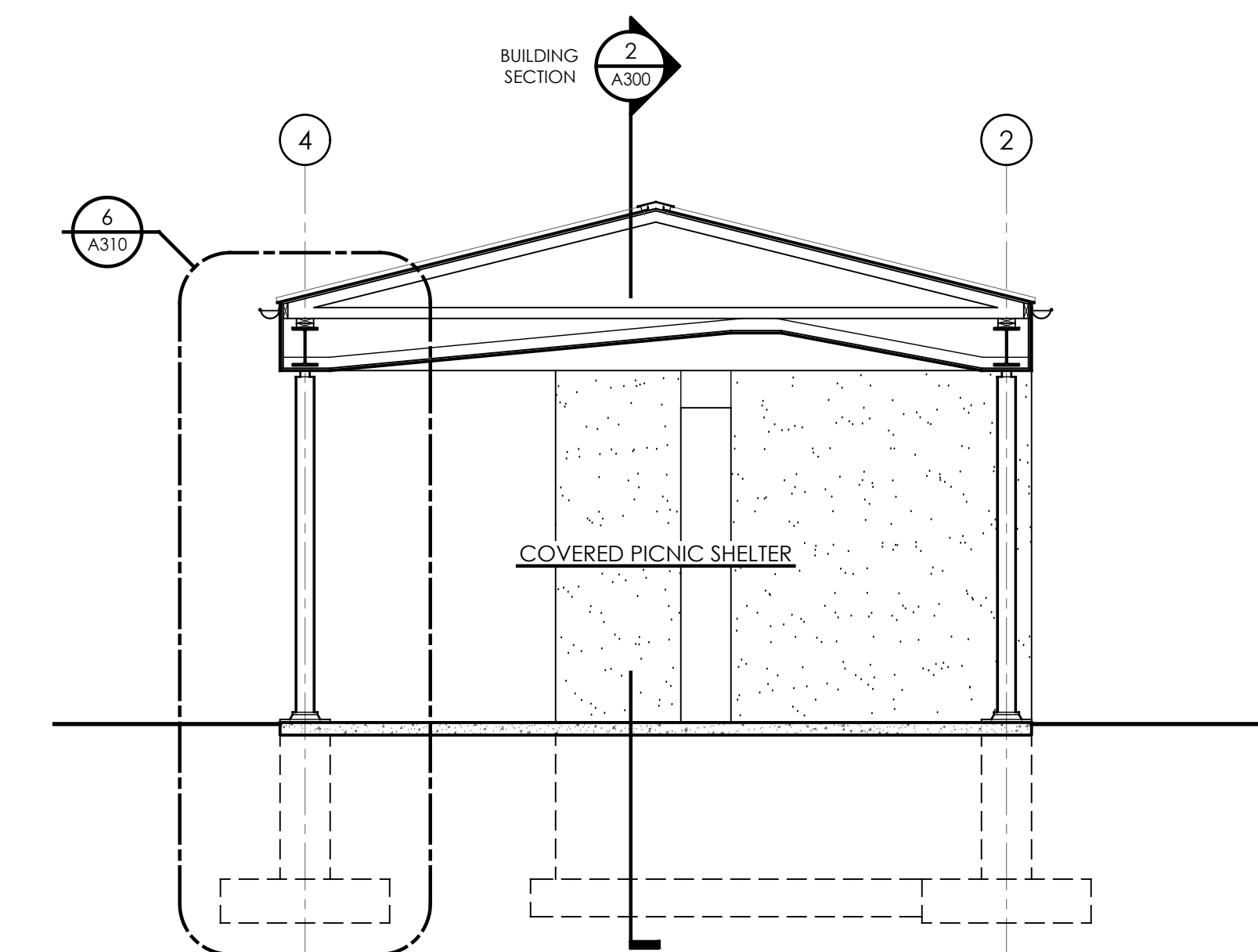
1 BUILDING SECTION
A300
 $\frac{1}{4}" = 1'-0"$



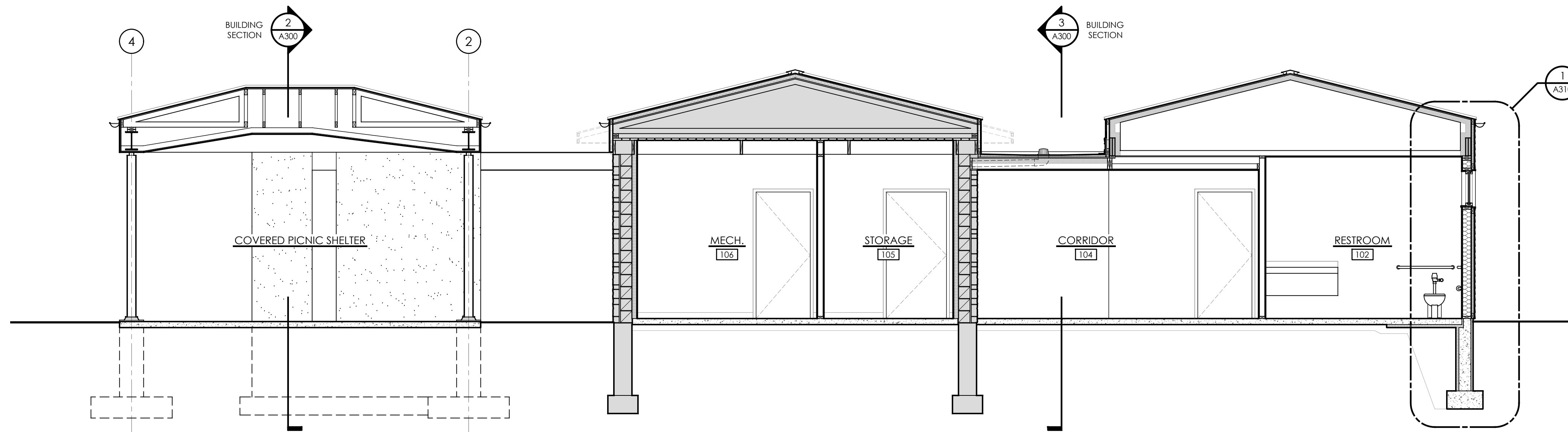
2 PICNIC SHELTER SECTION
A300
 $\frac{1}{4}" = 1'-0"$



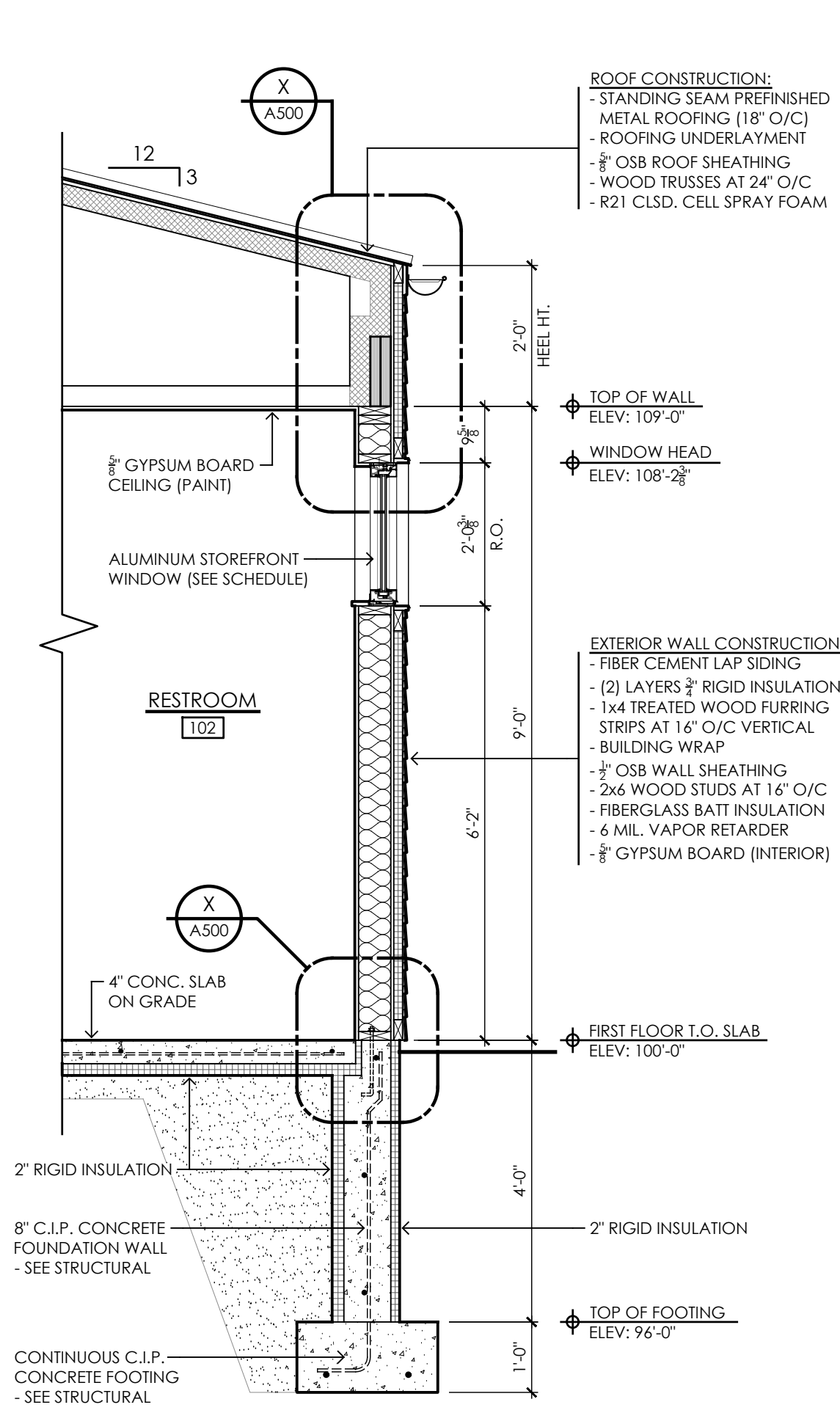
3 BUILDING SECTION
A300
 $\frac{1}{4}" = 1'-0"$



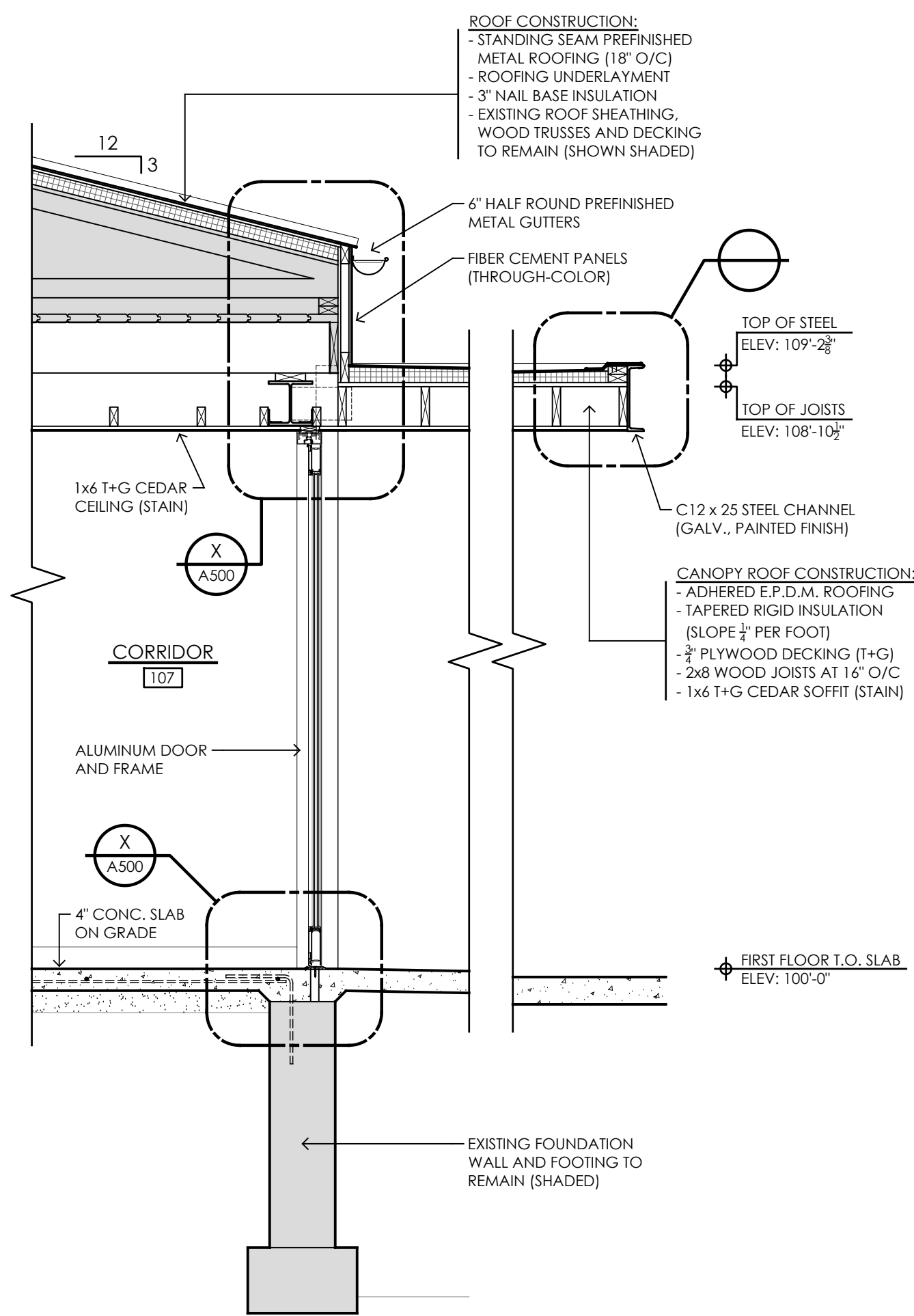
4 PICNIC SHELTER SECTION
A300
 $\frac{1}{4}" = 1'-0"$



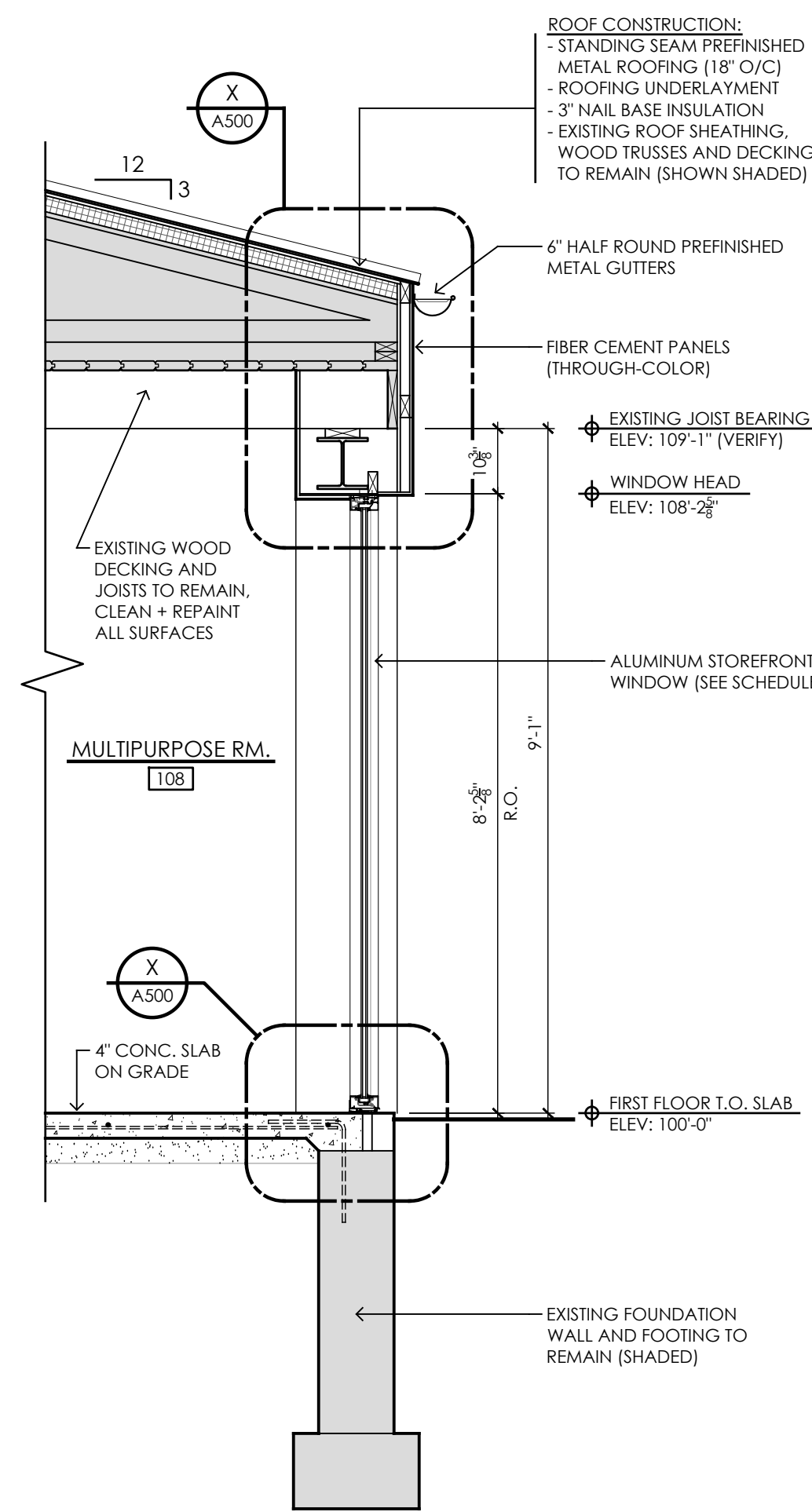
5 BUILDING SECTION
A300
 $\frac{1}{4}" = 1'-0"$



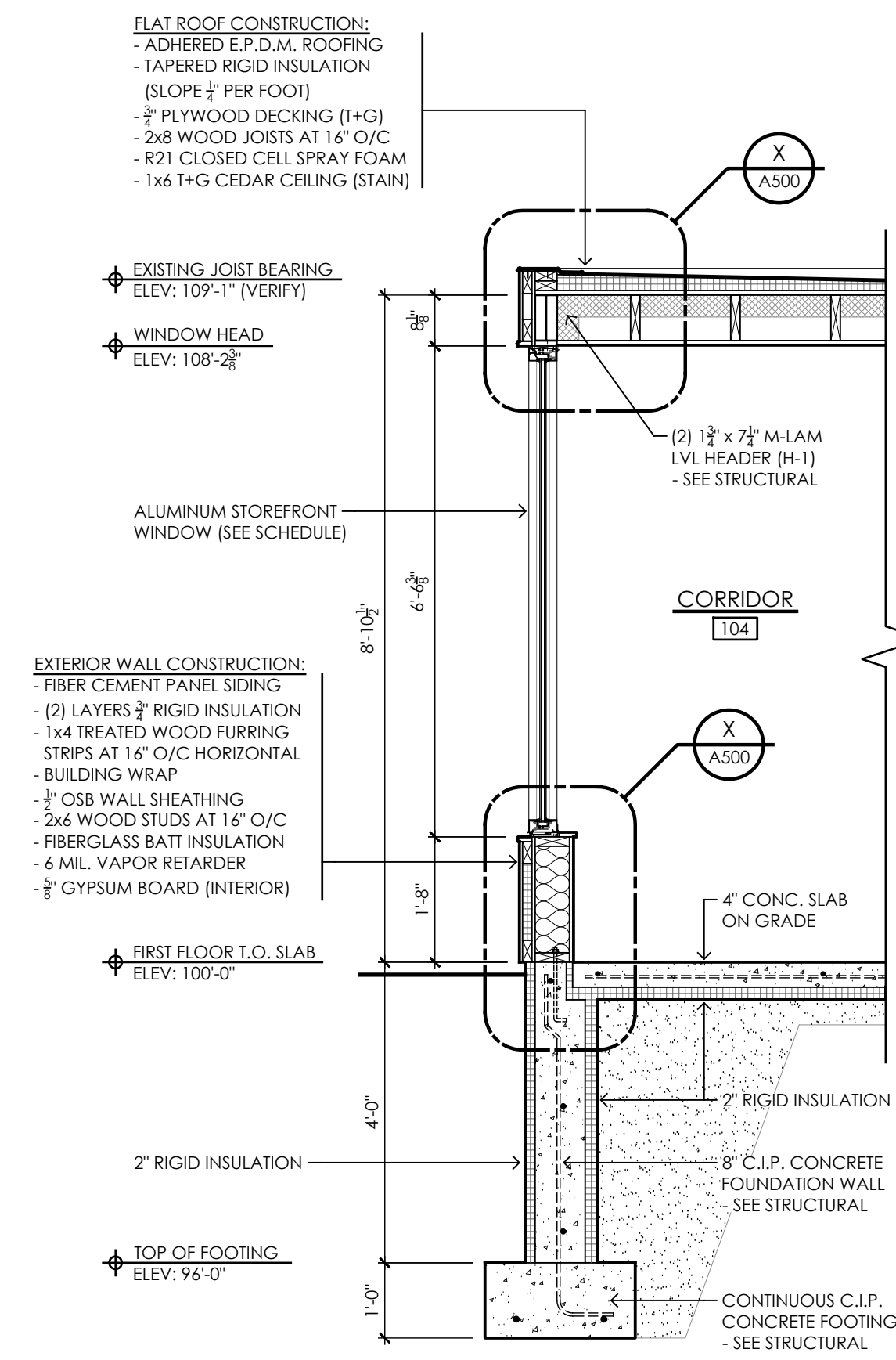
1 WALL SECTION
 A310
 1/2" = 1'-0"



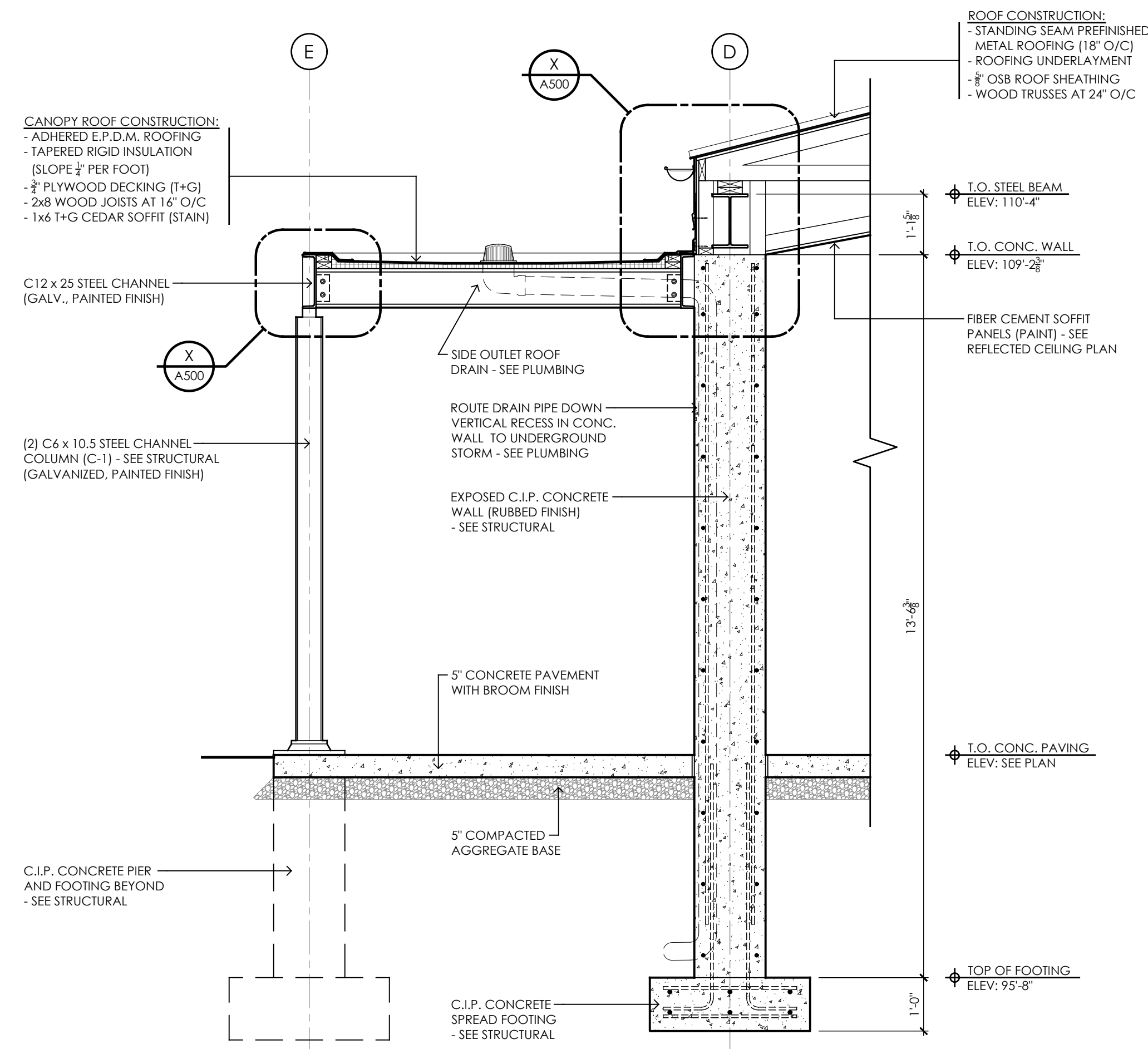
2 WALL SECTION
 A310
 1/2" = 1'-0"



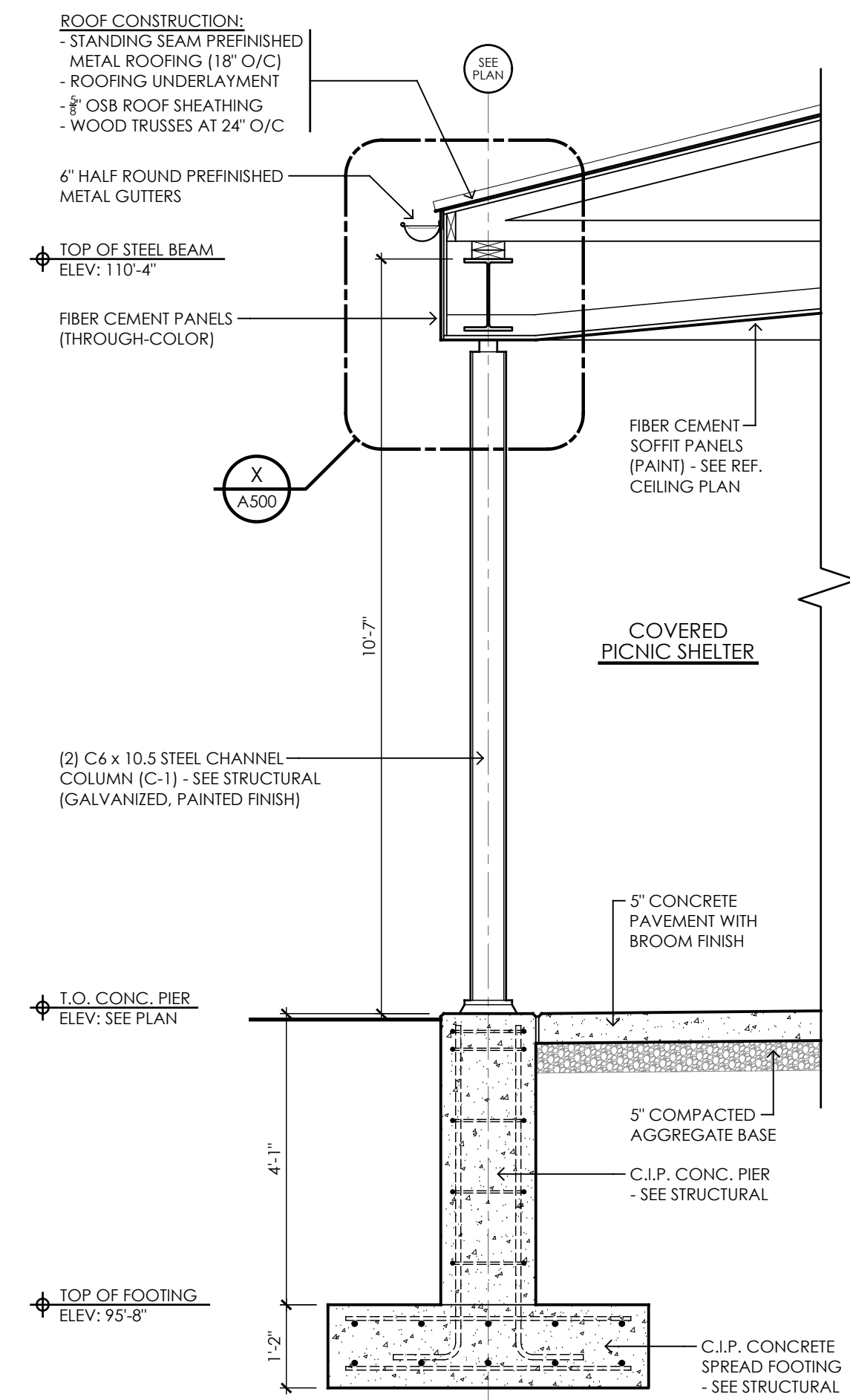
3 WALL SECTION
 A310
 1/2" = 1'-0"



4 WALL SECTION
 A310
 1/2" = 1'-0"



5 WALL SECTION
 A310
 1/2" = 1'-0"



6 PIER / COLUMN SECTION
 A310
 1/2" = 1'-0"



CONNECTORS	
MARK	MODEL NUMBER
BP-1	$\frac{3}{4}$ " X 9" X 9" STEEL PLATE
TBD	TBD
TBD	TBD
TBD	TBD

SHEET KEYNOTES:

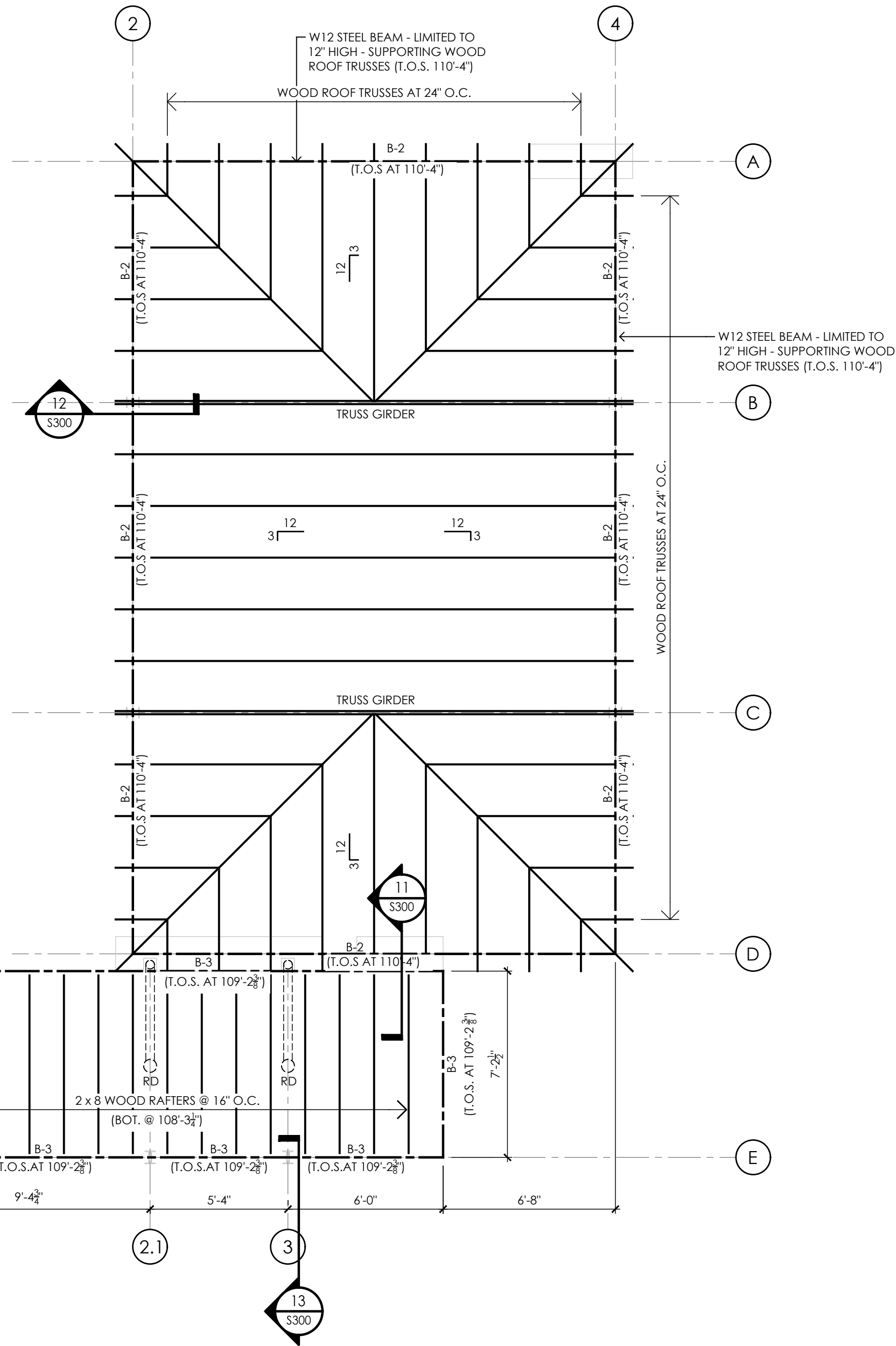
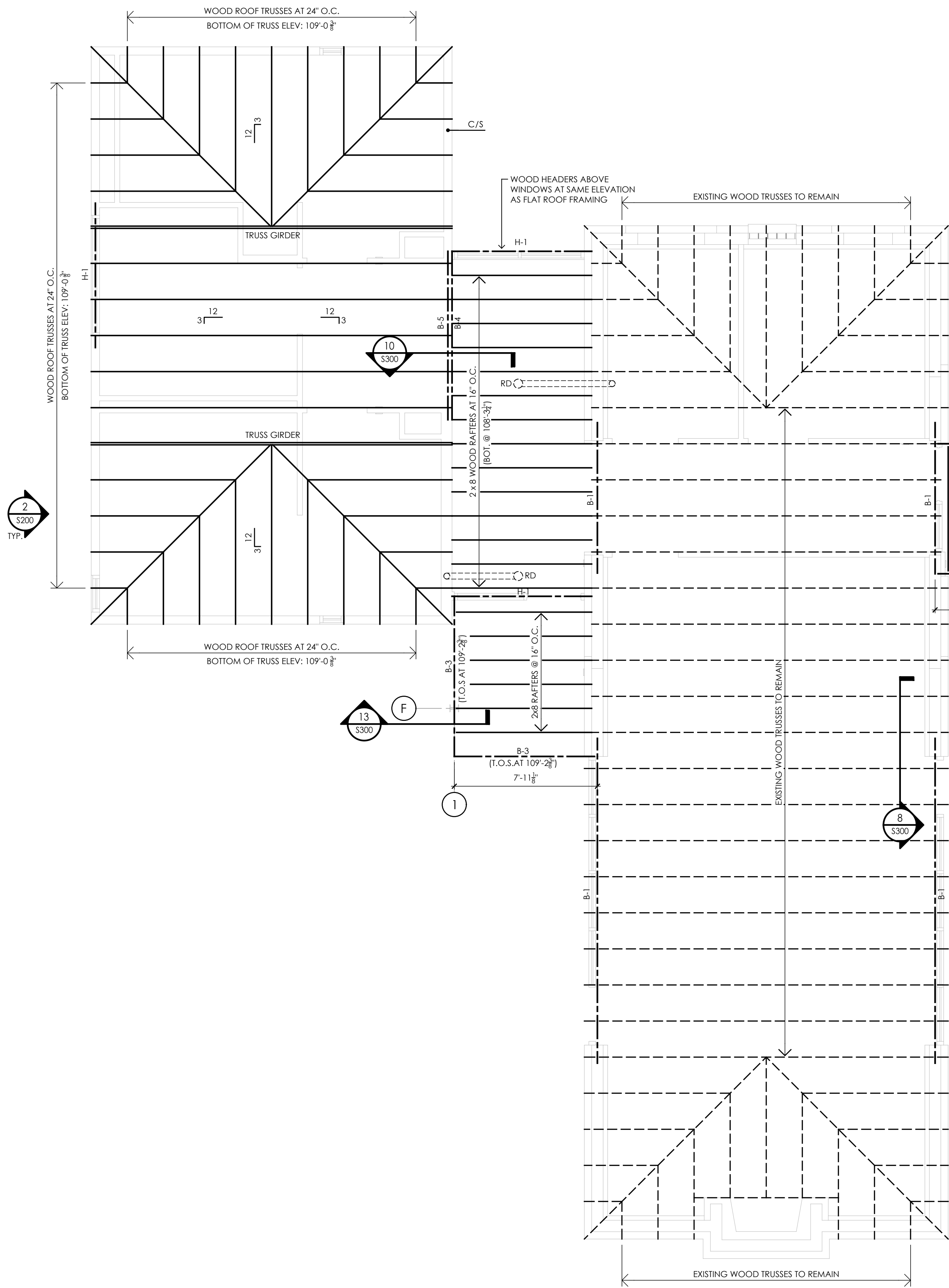
1. 4" CAST-IN-PLACE CONCRETE SLAB-ON-GRADE WITH #3 BARS AT 36" O.C. EACH WAY ON A 15 MIL. POLY VAPOR RETARDER AND 4" MINIMUM COMPACTED GRANULAR BASE. SEE ARCH. DRAWINGS FOR SLAB ELEVATIONS
2. 5" CAST-IN-PLACE CONCRETE SLAB-ON-GRADE WITH #3 BARS AT 36" O.C. EACH WAY ON MINIMUM 4" COMPACTED GRANULAR BASE.
3. 16" x 16" CAST-IN-PLACE CONCRETE PIER WITH (4) #7 VERTICAL BARS AND #3 TIES AT 12" O.C.

1
S200

ROOF FRAMING PLAN

$\frac{1}{4}" = 1'-0"$

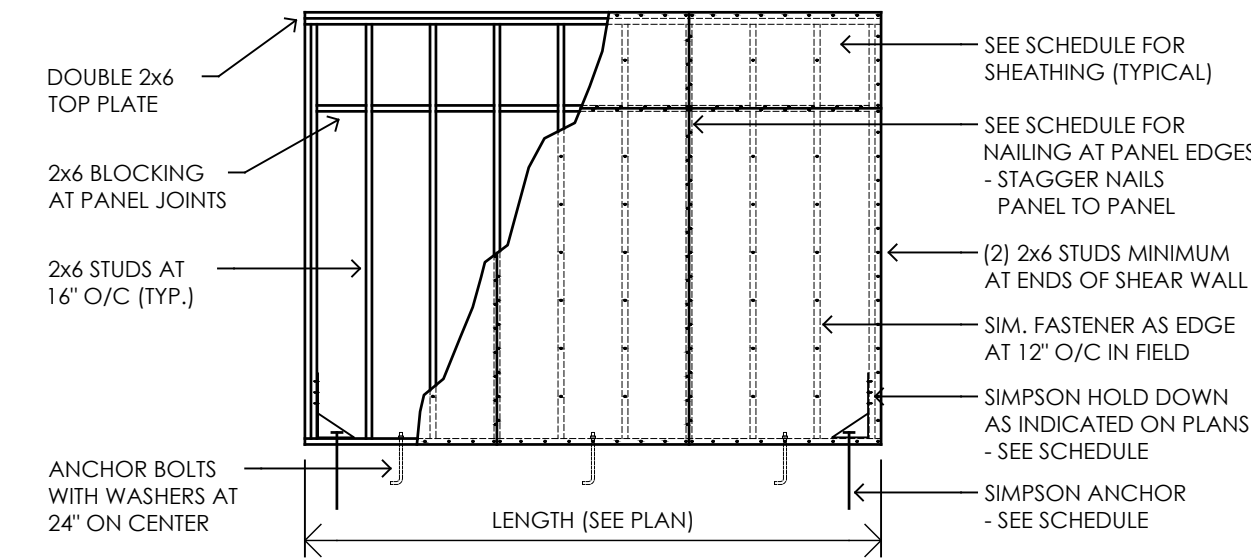
N



2
S200

SHEAR WALL ELEVATION

$\frac{1}{4}" = 1'-0"$



- GENERAL NOTES:
- CONTRACTOR IS RESPONSIBLE TO COORDINATE ALL STRUCTURAL SYSTEMS WITH ARCHITECTURAL FINISHES, DETAILS, ETC.
 - THESE DRAWINGS DO NOT INCLUDE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY. PROVIDE CONST. SHORING AND BRACING AS NECESSARY TO COMPLETE THE INSTALLATION OF ALL STRUCTURAL MEMBERS / FOOTINGS / ETC.
 - TRUSS FABRICATOR SHALL BE RESPONSIBLE FOR THE DESIGN AND ENGINEERING OF THE PREFAB. WOOD TRUSS SYSTEM.
 - ALL TRUSS TO TRUSS CONNECTIONS SHALL BE BY AN APPROPRIATE SIMPSON HANGER (OR EQUAL), SPECIFIED AND SUPPLIED BY THE TRUSS FABRICATOR. SPECIAL HANGERS OR OTHER SPECIAL HARDWARE SHALL BE DESIGNED, DETAILED, AND CERTIFIED BY THE TRUSS FABRICATOR'S ENGINEER.
 - PROVIDE APPROPRIATE SIMPSON TIE-DOWN CLIPS (H1, H4, H5) AT ALL TRUSS BEARING POINTS AS SPECIFIED AND SUPPLIED BY THE TRUSS FABRICATOR.
 - TRUSS FABRICATOR SHALL BE RESPONSIBLE FOR THE DESIGN OF ANY REQD. STRUCTURAL FASCIA AND CORNER CONNECTIONS.
 - ALL DIMENSIONS TO FACE OF FRAMING UNLESS NOTED OTHERWISE.
 - ALL DIMENSIONAL FRAMING LUMBER TO BE # 2 SPF OR BETTER UNLESS NOTED OTHERWISE.
- SHEET KEYNOTES:
- NOTES HERE

BEAM SCHEDULE	
MARK	SIZE
B-1	WBX35 STEEL BEAM
B-2	W12X40 STEEL BEAM
B-3	C12X25 STEEL CHANNEL
B-4	(2) 1 1/2" x 7 1/2" MICROLLAM LVL
B-5	(2) 1 1/2" x 11 1/2" MICROLLAM LVL

HEADER SCHEDULE	
MARK	SIZE
H-1	(2) 1 1/2" x 7 1/2" MICROLLAM LVL
H-2	TBD

CONNECTORS	
MARK	MODEL NUMBER
B/S	SIMPSON MSTC6683 BENT STRAP
C/S	SIMPSON CSI 6 COILED STRAP
H/D	SIMPSON HDU4-SDS2.5 HOLDDOWN
T/D	SIMPSON MGT GIRDER TIE DOWN

SHEAR WALL SCHEDULE				
MARK	SHEATHING	NAILING	HOLD-DOWN AND ANCHOR	ANCHOR BOLTS
SW-1	1/2" THICK APA RATED -1 SIDE (SPAN RATING 32/16, EXP. 1)	8d AT 4" C/C EDGE 8d AT 12" C/C FIELD	SIMPSON HDU4-SDS2.5 WITH SSTB14	2" Ø AT 24" C/C MAXIMUM

- SHEAR WALL GENERAL NOTES:
- PROVIDE STRUCTURAL PANEL SHEAR WALLS AT LOCATIONS INDICATED ON THE DRAWINGS. REFER TO THE SHEAR WALL SCHEDULE FOR PANEL NAILING.
 - PANELS SHALL NOT BE LESS THAN 4'-0" x 8'-0" EXCEPT AT BOUNDARIES AND CHANGES IN FRAMING. ALL VERTICAL PANEL EDGES SHALL BE SUPPORTED BY AND FASTENED TO FRAMING MEMBERS OR SOLID BLOCKING.
 - NAILS SHALL BE LOCATED AT LEAST 3/8" FROM THE PANEL EDGES. MAXIMUM NAIL SPACING AT SUPPORTED PANEL EDGES SHALL BE 4" ON CENTER. NAILS ALONG INTERMEDIATE FRAMING MEMBERS SHALL BE THE SAME SIZE AS NAILS SPECIFIED FOR PANEL EDGE NAILING.
 - THE WIDTH OF THE NAILED FACE OF FRAMING MEMBERS AND BLOCKING SHALL BE 2" NOMINAL WITH A 4" NOMINAL DEPTH.
 - SHEAR WALL BLOCKING DEPTH SHALL BE EQUAL TO THE TYPICAL STUD WALL DEPTH.
 - MAXIMUM STUD SPACING SHALL BE 16" ON CENTER. WOOD STRUCTURAL PANELS SHALL BE APA RATED OSB OR PLYWOOD SHEATHING.
 - PROVIDE SHEAR WALL HOLD-DOWN ANCHORS AS INDICATED ON THE FRAMING PLANS.
 - SHEAR WALL PLATE NAILING SHALL BE (2) 16d NAILS AT 12" ON CENTER.

PROJECT

ALL ABILITIES TRANE PARK
PH. 1 - BUILDING + SITE IMPROVEMENTS
CITY OF LA CROSSE, WI

DATE Aug. 3, 2018

DRAWN BY CLR

CHECKED BY MWS

PROJECT No

1410

DRAWING TITLE

ROOF FRAMING PLAN

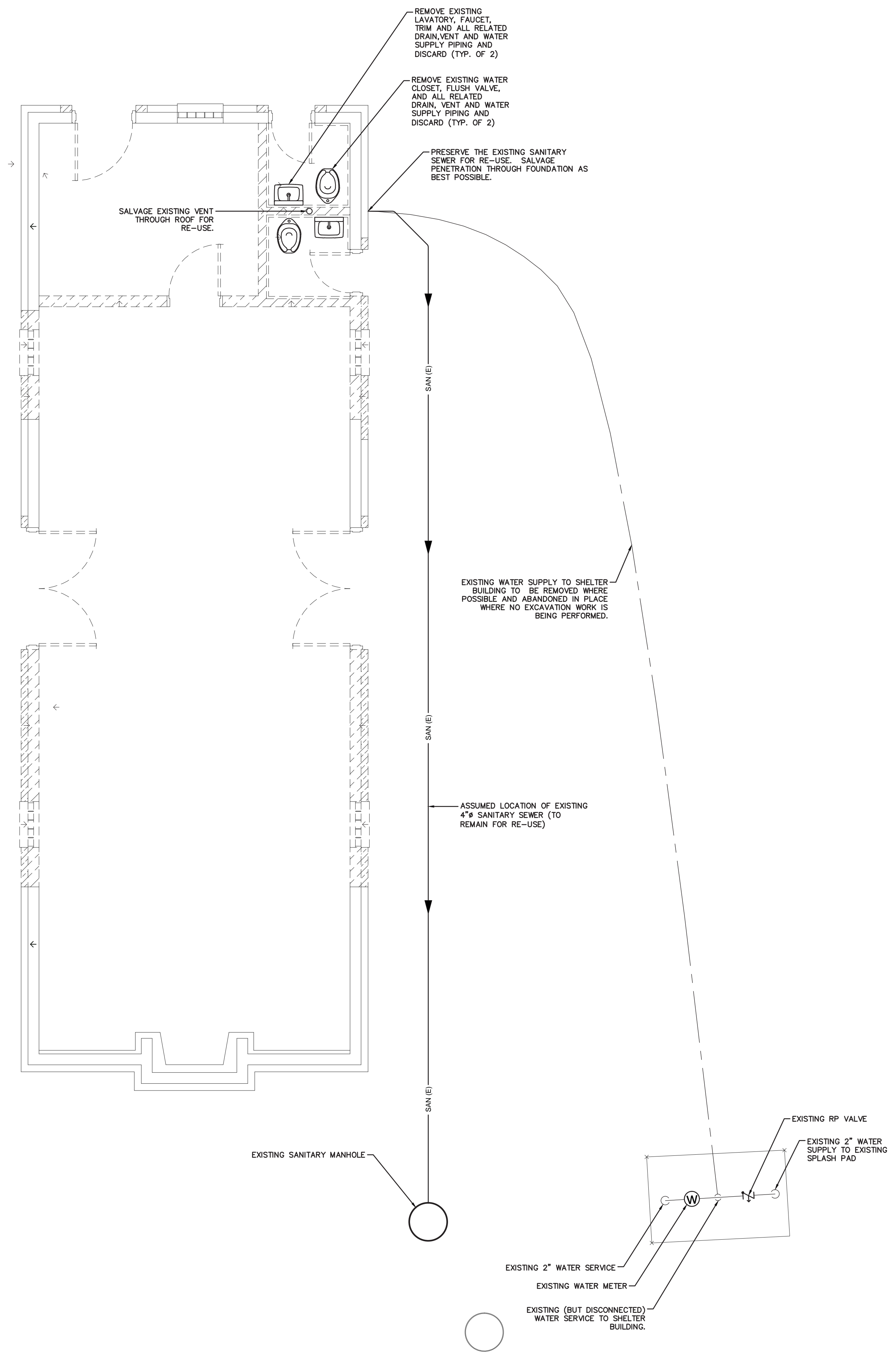
SHEET No

S200

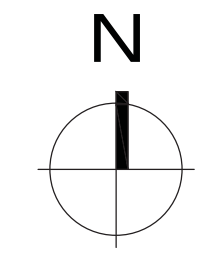
PRELIMINARY
NOT FOR CONSTRUCTION

river architects

740 7th Street North La Crosse, WI 54601-3305 Tel 608 785-2217



1 FIRST FLOOR PLAN - DEMOLITION
P100 1/4" = 1'-0"



PROJECT:		Trane Park Shelter Building 1500 Chase Street La Crosse, WI 54601						
Wisconsin Domestic Water Service Calculations - New Addition								
NO. OF FIXTURES		FIXTURE DESCRIPTION		WATER SUPPLY FIXTURES UNITS (WSFU)				
		HOT PER FIXTURE	TOTAL HOT	COLD PER FIXTURE	TOTAL COLD	COMMON PER FIXTURE	COMMON TOTAL	REMARKS
PUBLIC FIXTURES								
1	Automatic Clothes Washer, Individual	2.0		2.0		3.0		
	Automatic Clothes Washer, Large Capacity			2.0		3.0		
	Bathtub, With or Without Shower Head	2.0		0.5		0.5		
	Coffeemaker			0.5		0.5		
	Dishwasher, Commercial			0.5		0.5		
	Drink Dispenser			0.25	0.3	0.25	0.3	
	Drinking Fountain			0.5		0.5		
	Glass Filler			3.0		3.0		
	Hose Bibb:			4.0	12.0	4.0	12.0	
	1/2" diameter			0.5		0.5		
3	3/4" diameter			0.5		1.0		
5	Ice maker			0.5	2.5	0.5	5.0	
	Laboratory	0.5	2.5	2.0		3.0		
1	Shower, Per Head	2.0		1.5	1.5	2.0	2.0	
	Sinks:			1.5		2.0		
	Bar and Fountain	1.5	1.5	0.5		0.5		
	Barber and Shampoo	1.5		7.0		7		
	Cup			2.0		3.0		
	Flushing Rim			1.0		1.5		
	Kitchen and Food Preparation per Faucet	2.0		1.0		1.5		
	Laboratory	1.0		2.0	2.0	3.0	3.0	
	Medical Exam and Treatment	1.0						
	Service	2.0	2.0					
1	Surgeon Washup			4.0		4.0		
	Urinal:			2.0	2.0	2.0	2.0	
	Syphon Jet			2.0		3.0		
	Washdown			3.0		4.0		
	Wall Hydrant, Hot and Cold Mix:							
	1/2" diameter	2.0		2.0		3.0		
	3/4" diameter	3.0		3.0		4.0		
	Wash Fountain:							
	Semicircular	1.5		1.5		2.0		
	Circular							
6	Water Closet:							
	Flushometer			6.5	39.0	6.5	39.0	
	Gravity Type Flush Tank			3.0		3.0		
PUBLIC TOTALS			6.0		59.3		63.3	
REMARKS:								
1.								
CONVERSION TO GPM (Per Comm 82.40-3)			Add Per Remarks Directly Above		Subtotal	Add for Future Expansion	TOTAL	
6.0 Hot WSFU = 5.0 GPM (Predominately Flush Tank Water Closets)					5.0 GPM		5.0 GPM	
59.25 Cold WSFU = 54.0 GPM (Predominately Flush Valve Water Closets)					54.0 GPM		54.0 GPM	
63.25 Total WSFU = 55.3 GPM (Predominately Flush Valve Water Closets)					55.3 GPM		55.3 GPM	

PROJECT: Trane Park Shelter Building											
Wisconsin Drainage Fixture Unit Calculations											
NO. OF FIXTURES	FIXTURE DESCRIPTION	Drainage Fixture Unit Value	TOTAL DFU's	NO. OF FIXTURES	FIXTURE DESCRIPTION	Drainage Fixture Unit Value	TOTAL DFU's	NO. OF FIXTURES	FIXTURE DESCRIPTION	Drainage Fixture Unit Value	TOTAL DFU's
First Floor Level				First Floor Level				First Floor Level			
1 <											

GENERAL PIPING

DIRECTION OF FLOW
PIPE DESIGNATION

PIPE PITCH, RISE(R) DROP(D)

PIPE CONNECTION

PIPE TURNED UP

PIPE TURNED DOWN

OFF TOP OF PIPE

OFF BOTTOM OF PIPE

REDUCER (ECCENTRIC)

PRESSURE GAUGE

CONNECT TO EXISTING

REDUCER (CONC.)

CAP

BLIND FLANGE

FLANGE

COUPLING

BUSHING

UNION

STRAINER

WALKIE PUMP

THERMOMETER

PLUMBING

CITY WATER ON SITE PLAN

COLD WATER

HARD COLD WATER

HOT WATER RETURN

SOFT COLD WATER

SOFT HOT WATER

TEMPERED WATER

TEMPERED WATER RETURN

180 DEG. WATER

ACID WASTE

ACID VENT

CLEANOUT/FLOOR/CEILING WALL(WCO)

FLOOR DRAIN

HUB DRAIN

WATER HAMMER SUPPRESSOR

WALL HYDRANT

FREEZE-PROOF (FPH)

SANITARY BELOW GRADE

SANITARY ABOVE GRADE

STORM BELOW GRADE

STORM ABOVE GRADE

RAIN CONDUCTOR

OVERFLOW DRAIN

VENT

DRAIN

VENT THRU ROOF

COMPRESSED AIR

NATURAL GAS

PIPE PITCH

ROOF DRAIN

VALVES

BALL VALVE

GATE VALVE

GLOBE VALVE

BUTTERFLY VALVE

PLUG VALVE

CHECK VALVE(SWING(S))

LIFT(L)BOLLED

SQUARE HEAD VALVE(SCD)

GENERAL/NON-DESIGNATED

PRESSURE REDUCING VALVE

SAFETY(S)RELIEF(R)

HOSE BIBB DRAIN

REDUCED PRESSURE ZONE BACKFLOW PREVENTER

river ARCHITECTS

740 7th Street North La Crosse, WI 54601 • 608 785-2217

galileo CONSULTING GROUP

LA CROSSE, WISCONSIN 54601

PHYSICIAN: DR. JAMES E. HARRIS, D.O. (M.D.)

PHYSICIAN: DR. JAMES E. HARRIS, D.O. (M.D.)

PHYSICIAN: DR. JAMES E. HARRIS, D.O. (M.D.)

I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly registered professional under the laws of the State of Wisconsin.

WISCONSIN

CHRISTOPHER C. OLSON

DATE: AUGUST 3, 2018

NUMBER: E-2574

This drawing is and will remain the property of the firm of Galileo Consulting Group, Inc. It is to be used only for the project and site specified hereon and for no other purpose, without the written consent of the designer, is strictly prohibited.

PROJECT: ALL ABILITIES TRANE PARK PH. I - BUILDING + SITE IMPROVEMENTS CITY OF LA CROSSE, WI

DATE: August 3, 2018 PROJECT No: 1410

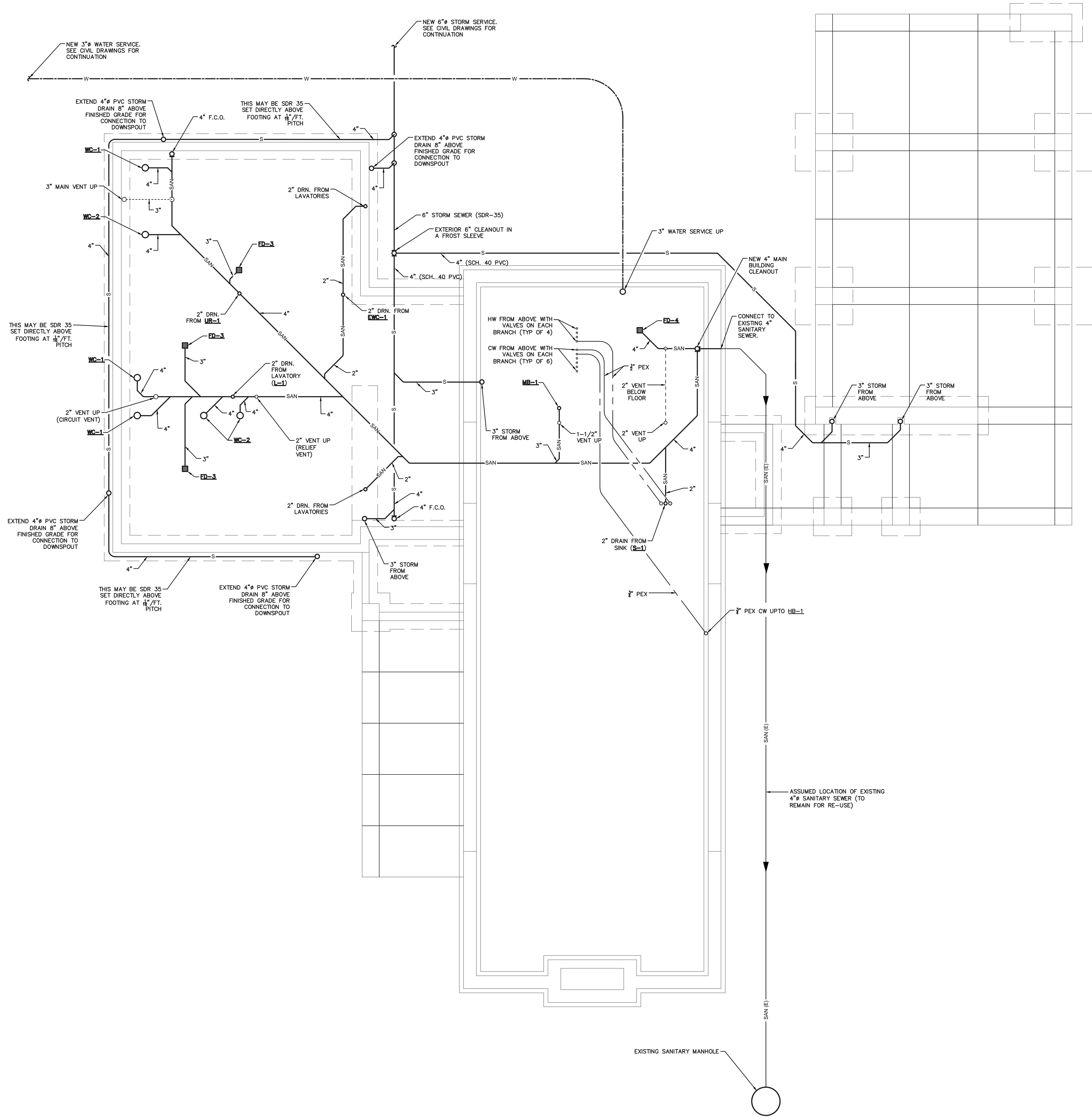
DRAWN BY: GALILEO

CHECKED BY: COO

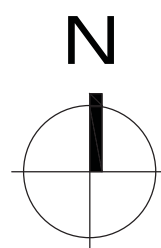
PLUMBING SYMBOLS AND DEVOLUTION PLAN

SHEET No

P100



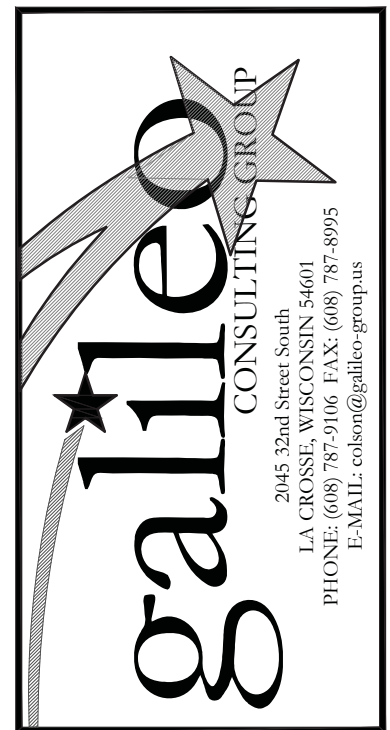
1 UNDERFLOOR PLAN
P101 1/4" = 1'-0"



PROJECT
ALL ABILITIES TRANE PARK
PH. I - BUILDING + SITE IMPROVEMENTS
CITY OF LA CROSSE, WI

DATE August 3, 2018 PROJECT No 1410
DRAWN BY GALILEO DRAWING TITLE UNDERFLOOR PLAN AND ISOMETRICS
CHECKED BY COO

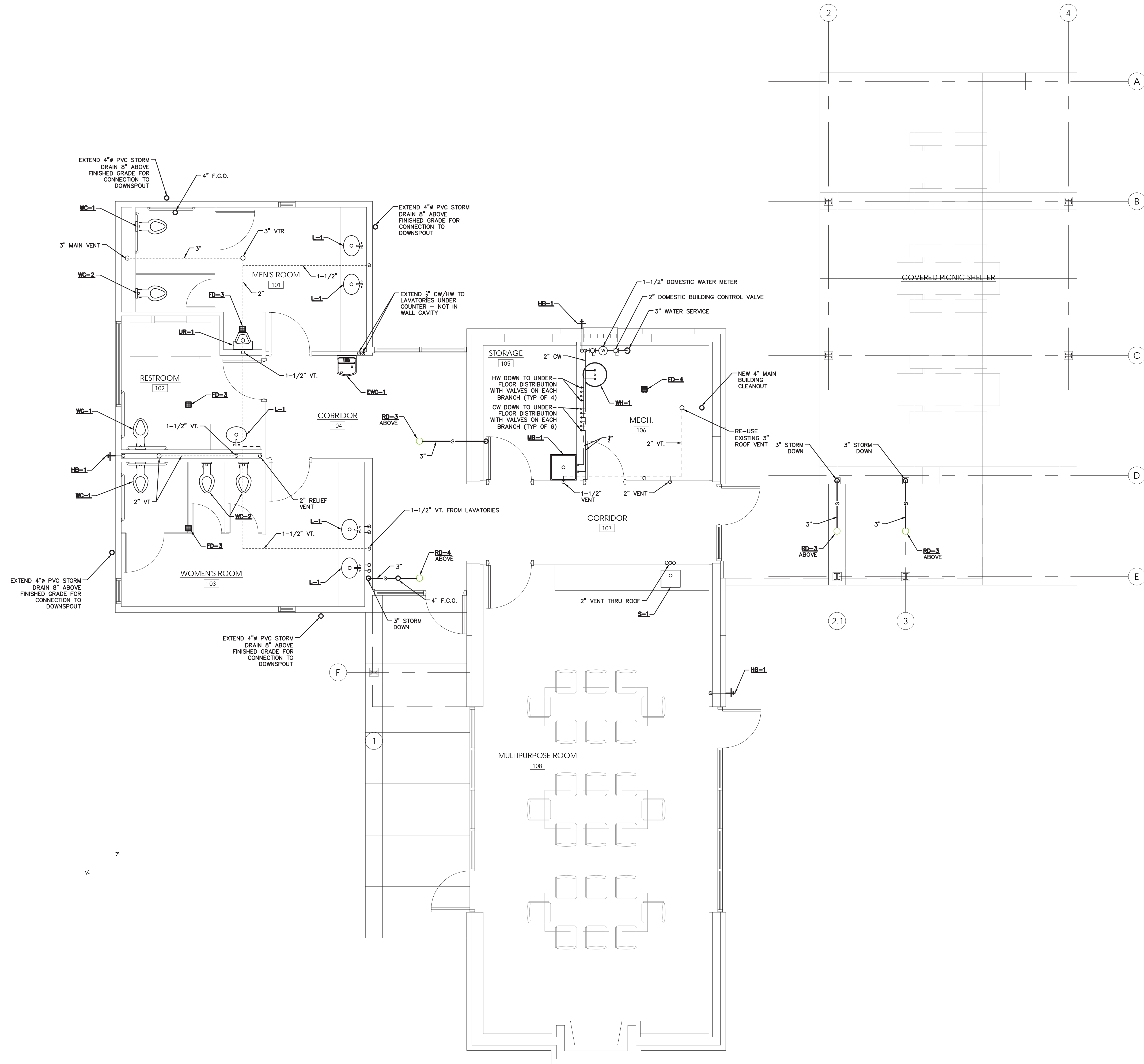
I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly registered professional under the laws of the State of Wisconsin.
WISCONSIN
Christopher C. Olson
DATE AUGUST 3, 2018
NUMBER E-2574
This drawing is and will remain the property of the firm. It is to be used only for the project and site specifically named herein for no other purpose, without the prior written consent of the drafter, is strictly prohibited.



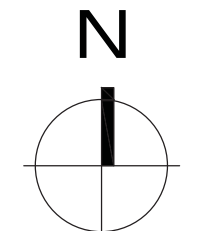
riverARCHITECTS
740 7th Street North La Crosse, WI 54601-3308 Tel 608 785-2217

SHEET No

P101

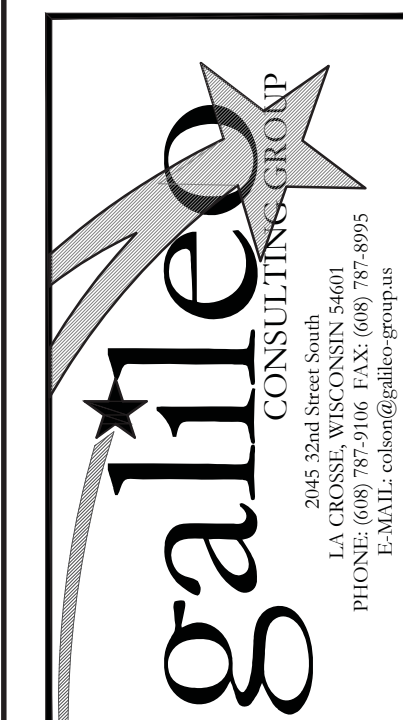


1 FIRST FLOOR PLAN
P102 1/4" = 1'-0"



PRELIMINARY
NOT FOR CONSTRUCTION

I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly registered professional under the laws of the State of Wisconsin.
WISCONSIN
Christopher C. Olson
DATE AUGUST 3, 2018
NUMBER E-2574
This drawing is and will remain the property of the undersigned and will be returned to the undersigned upon request. No part of this drawing or its contents may be reproduced, stored in a retrieval system, or transmitted in any form or by any means, electronic, mechanical, photocopying, recording, or by any information storage and retrieval system, without the prior written consent of the designer, is strictly prohibited.



DOMESTIC WATER HEATING EQUIPMENT AND CIRCULATING PUMPS

HYBRID ELECTRIC DOMESTIC WATER HEATERS														HOT WATER CIRCULATING PUMP										
MARK	MODEL No.	PRIMARY FUEL	SECONDARY FUEL	PERFORMANCE			1st Hour UNIT SIZE OVERALL		TANK STORAGE	ELECTRICAL REQUIREMENTS			HEATER ACCESSORIES	HEATER REMARKS	MARK	MODEL No.	FLUID		ELECTRICAL			TYPE	PUMP ACCESS.	PUMP REMARKS
				INPUT	RECOVERY	ASHRAE 90.12	Rating	Diameter		Height	F.L.A.	M.O.P.					VOLT/PHASE	GPM	FTHD	F.L.A.	M.O.P.			
WH-1	LE2503-3	Electrical	(None)	4.5 KW	27 GPH	Yes		22"	47.5"	50 Gallons	21.6	30.0	208/1/60	A, B	1, 2	(None Required)								

Based on products by Bradford White. Equal products are acceptable.

* 70 Deg F Temperature Rise

Pumps based on products by Grundfos. Equal products will be acceptable.

HEATER ACCESSORIES:

- A. P&T Relief Valve
B. Drain Valve
C. Concentric Vent Kit Termination

HEATER REMARKS:

1. Provide a 2 gallon diaphragm expansion tank suitable for potable duty for this hot water system.
2. Provide optional 5 year warranty on heater.

PUMP ACCESSORIES:

- A. Variable Speed Selector Switch
B. Adjustable Temperature Sensor
C. Plug and Cord Electrical Connection
D. Unit-mounted Timer

PUMP REMARKS:

1. Pump must run continually during occupied periods to maintain water temperature.
2. Provide pump with matching set of isolation flanges and integral flow check valve - either in pump housing or in flange assembly.

PLUMBING FIXTURES AND TRIM

MARK	GENERAL DESCRIPTION	FIXTURE	VALVE / FAUCET	SUPPORT	SUPPLIES	SUPPLY SIZE	DRAIN	TRAP/DRAIN SIZE	ACCESS./REMARKS
EWC-1	ADA-compliant SINGLE-LEVEL ELECTRIC WATER COOLER	Elway # EZL8-C	Included	Provided with unit	McGuire #H2165CCLK Heavy chrome-plated supply with flexible connections	1/2" CW	McGuire #B8912 1-1/2" chrome plated brass P-trap w/ cleanout	1-1/2"	1
		2-level wall-mount, stainless steel top, integral grid drains, Flexi-Guard safety bubbler							
S-1	SINGLE COMPARTMENT SINK	JUST 22" x 38" x 7.5" deep 18 ga stainless steel self-rimming sink, full undercoating, standard faucet holes on 4" centers, self-rimming.	Just #J-1176-KS	N/A	McGuire #H2165CCLK Heavy chrome-plated supplies with flexible connections (2) sets required.	1/2" CW 1/2" HW	Just	2"	
		Two-handle deck-mount kitchen faucet w/ goose-neck spout, wrist blade handles, 3 hole mounting, 2.0 GPM aerator chrome-plated.							
L-1	ADA-compliant COUNTERTOP LAVATORY	Delta 501-WFHD Integral bowl provided and installed by the General Contractor.	Delta 501-WFHD Deck-mount lavatory faucet, single handle lever, fixed spout and standard aerator, 2-hole mounting 4" centers.		McGuire #H2165CCLK Heavy chrome-plated supplies with flexible connections	1/2" CW 1/2" HW	McGuire # J355WC & # B8902 1-1/4" chrome plated brass offset grid strainer and P-trap.	1-1/4"	1, A
MB-1	FLOOR-MOUNTED MOP BASIN	Mustee #63M 24"x24"x10" one-piece molded DURASTONE construction, 10" sides, integrally molded drain	Chicago #95 Wall-mount faucet, 5" rigid spout, pail hook, 2 handle, 3/4" hose thread outlet, integral vacuum breaker, chrome plated.	N/A	N/A	1/2" CW 1/2" HW	Mustee #65-311 3" PVC drain body with stainless steel flat strainer		B, C, D
WC-1	ADA-compliant FLOOR-MOUNTED FLUSH VALVE WATER CLOSET	Acom #2120-ADA Vandal-resistant, floor-mounted water closet with 38" seat height, floor outlet, and back connection for flush valve.	Sloan Optima #152-1.6 WB ES-S Concealed closet flush valve with automatic sensing and flush operation. Hard wired with wall-mounted sensor. S.S. front cover plate.	Not required	N/A	1" CW	N/A	3"	1
		OLSONITE #95 open front seat, less cover							
WC-2	FLOOR-MOUNTED FLUSH VALVE WATER CLOSET	Acom #2120 Vandal-resistant, floor-mounted water closet with 35" seat height, floor outlet, and back connection for flush valve.	Sloan Optima #152-1.6 WB ES-S Concealed closet flush valve with automatic sensing and flush operation. Hard wired with wall-mounted sensor. S.S. front cover plate.	Not required	N/A	1" CW	N/A	3"	1
		OLSONITE #95 open front seat, less cover							
UR-1	ADA-compliant WALL-HUNG FLUSH VALVE WATER CLOSET VANDAL-RESISTANT	Acom #2367 Stainless steel urinal with provisions for concealed flush valve and stainless steel trap enclosure.	Sloan Optima #195-1 WB ES-S Concealed urinal flush valve with automatic sensing and flush operation. Hard wired with wall-mounted sensor. S.S. front cover plate.	Wade #520 Universal carrier with accessories as required for the specified fixture.	N/A	3/4" CW	N/A	2"	1

REMARKS:

1. Handicap mounting - refer to Architectural Details

ACCESSORIES:

- A. Provide McGuire "Pro-Wrap" insulated pipe coverings for water supplies and trap/drain piping.
B. Provide and install "Mop Hanger"
C. Provide and install (2) "DURAGUARD" wall guards.
D. Provide and install (2) "Bumper Guards".

FITTINGS AND SPECIALTIES

MARK	GENERAL DESCRIPTION	FIXTURE	VALVE / FAUCET	FINISH	ACCESSORIES/REMARKS
HB-1	FREEZE-PROOF WALL HYDRANT WITH BACKFLOW PROTECTION		Woodford Model MB55	Composite Modular Box with Stainless Steel Frame and Hinged Door.	A
		Not applicable	Rough brass, freezeless, automatic-draining wall hydrant with anti-siphon vacuum breaker, loose key handle, hose connection for 3/4" copper connection, and non-metallic flush wall box.		
FCO's	FLOOR CLEANOUT	Sloan Chief (Verify)		Satin finish	
		Floor cleanout, PVC top housing, PVC adapter, round ring, cast nickel cover, satin finish.			

ACCESSORIES:

1.

REMARKS:

- A. Provide hose bibs with length to match wall construction.

PROJECT
ALL ABILITIES TRANE PARK
PH. I - BUILDING + SITE IMPROVEMENTS
CITY OF LA CROSSE, WI

DATE
August 3, 2018
PROJECT No
1410

DRAWN BY
GALILEO
DRAWING TITLE
PLUMBING SCHEDULES

CHECKED BY
OCO

SHEET No

P103

I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly registered professional under the laws of the State of Wisconsin.

WISCONSIN
CHRISTOPHER C. OLSON
DATE
AUGUST 3, 2018
NUMBER
E-2574

This drawing is and will remain the property of the drafter and is not to be reproduced, copied, or otherwise used for any purpose other than that for which it was prepared without the written consent of the drafter. Its use for any other purpose is strictly prohibited.

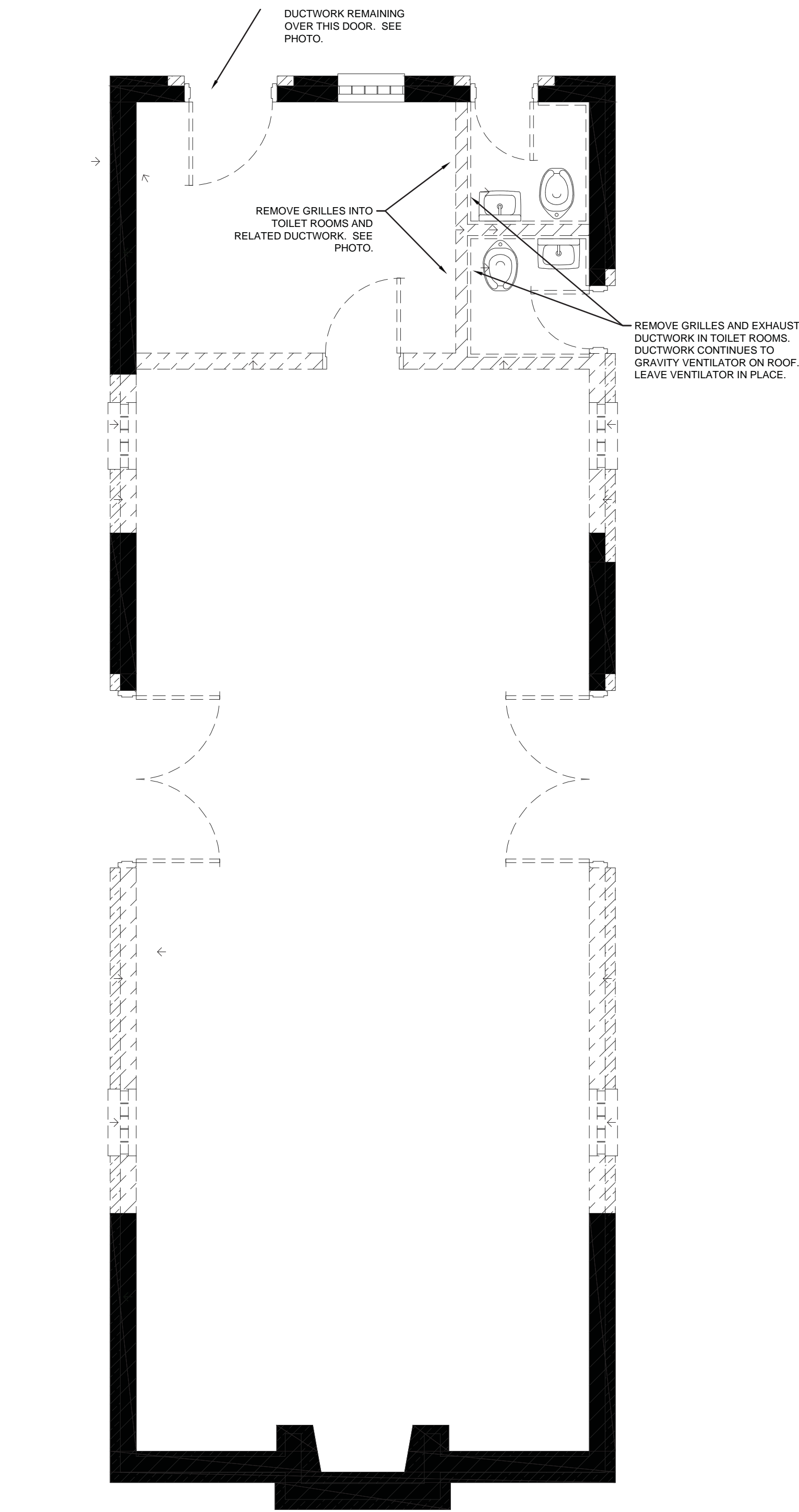


L.A. CROSSE, WISCONSIN 54601
PHONE: 920.706.8800 FAX: 920.706.8805
WWW.GALILEOCONSULTING.COM

PRELIMINARY
NOT FOR CONSTRUCTION

river ARCHITECTS

740 7th Street North La Crosse, WI 54601-3808 Tel: 608-785-2217



1 FIRST FLOOR PLAN - DEMOLITION
1/4" = 1'-0"

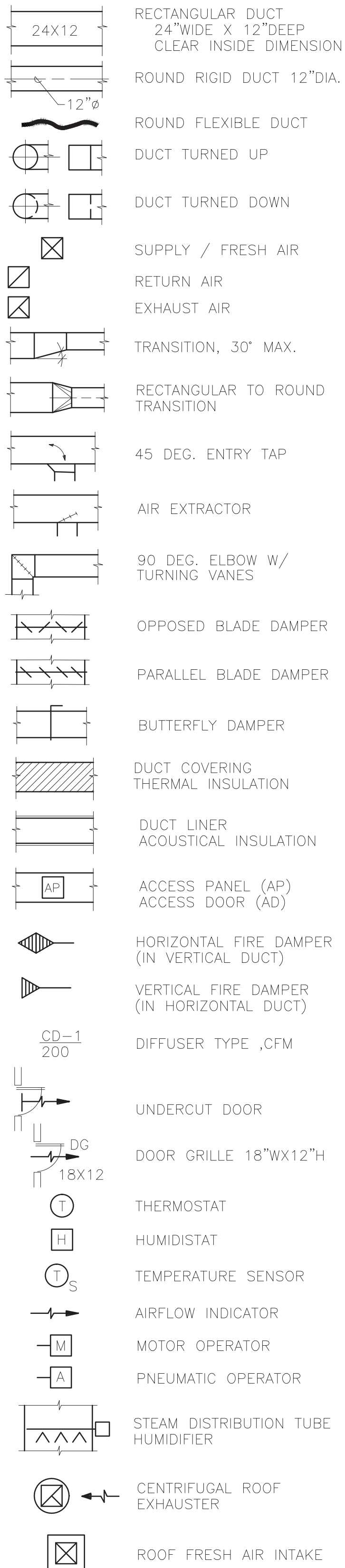


2 LOUVER-DUCT IN STORE ROOM
NTS

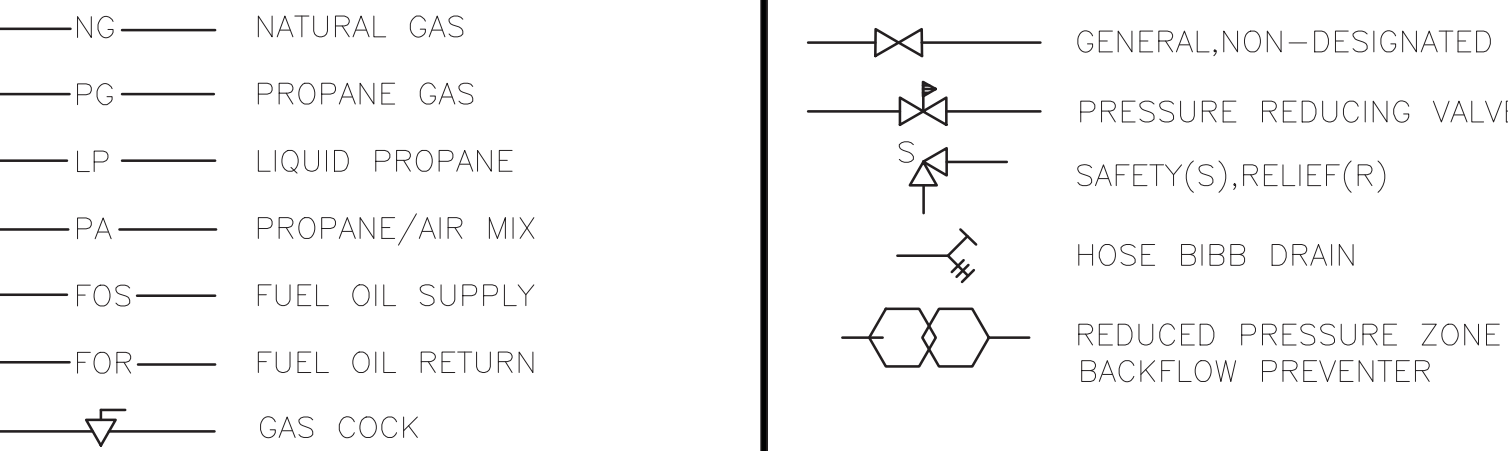


3 GRILLE-DUCTS IN TOILET ROOMS
NTS

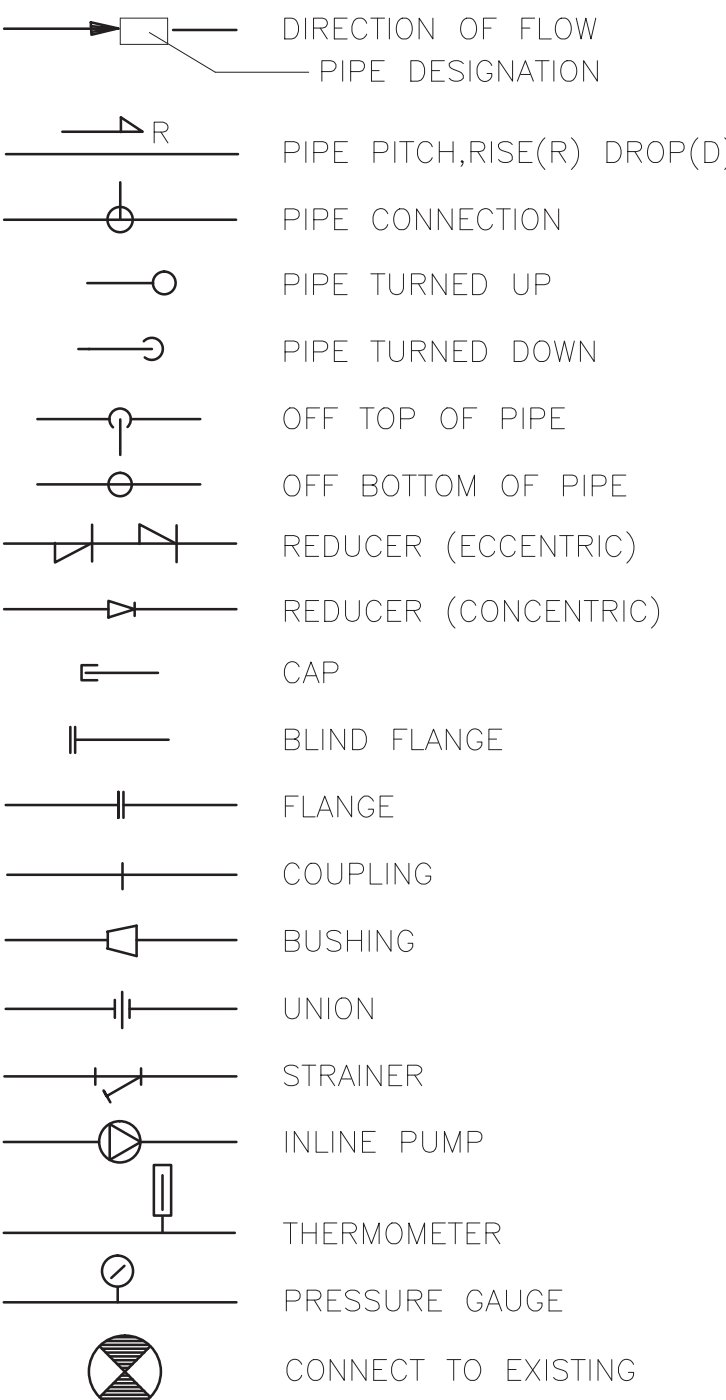
DUCTWORK



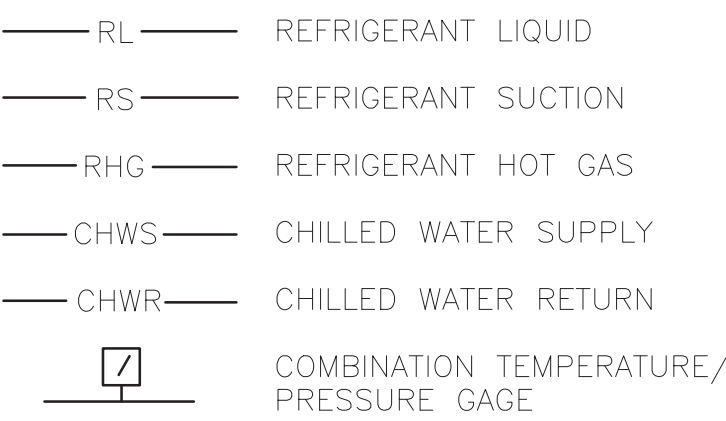
FUEL PIPING



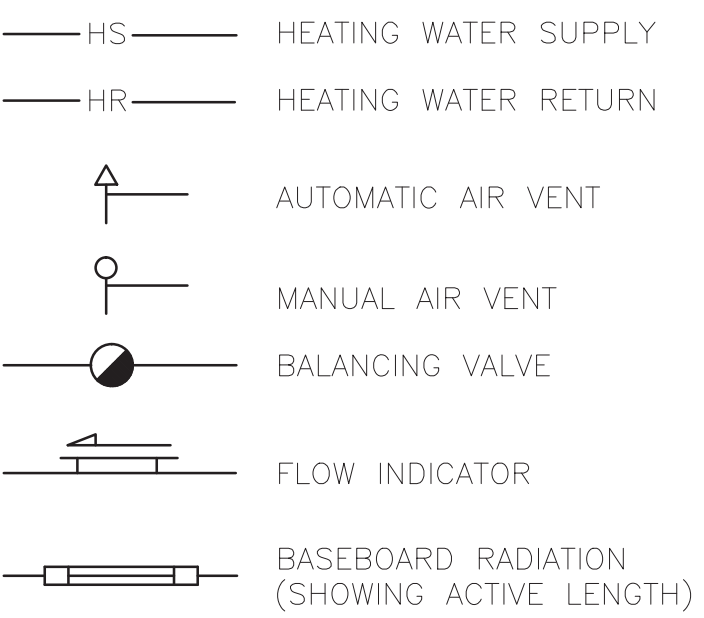
GENERAL PIPING



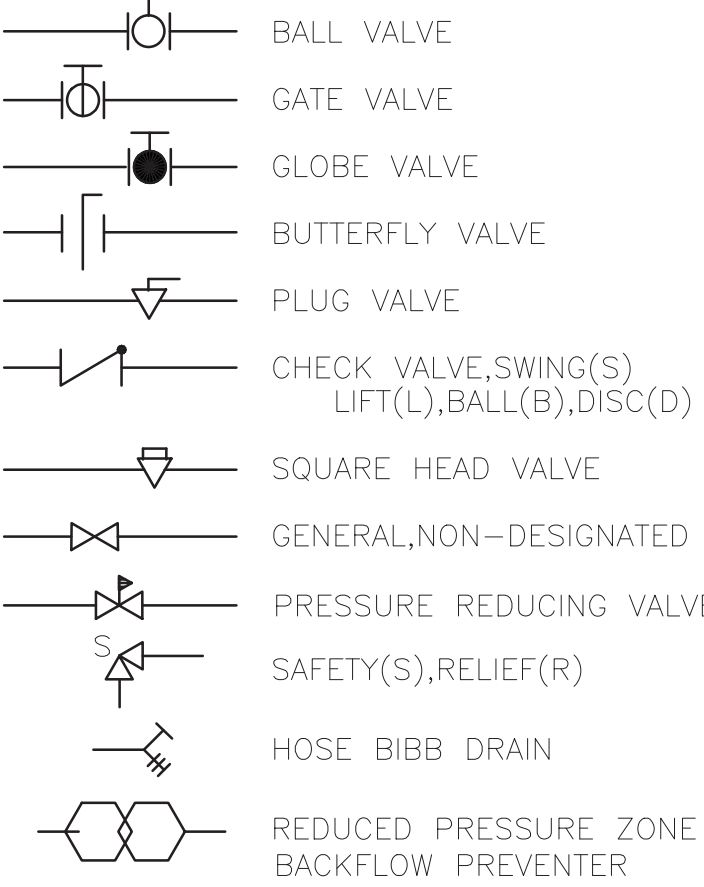
REFRIGERANT



STEAM/HYDRONICS



VALVES

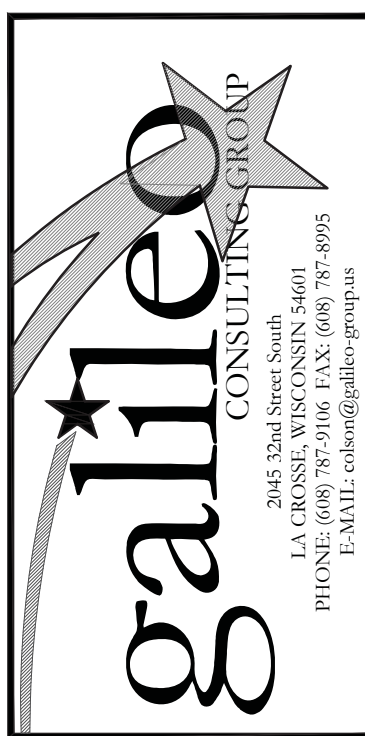


EQUIPMENT

- ACC - Air Cooled Chiller
- ACU - Air Cooled Condensing Unit
- AFM - Air Flow Measuring Station
- AHU - Air Handling Unit
- AP - Access Panel
- ATU - Air Terminal Unit
- BC - Blower Coil
- B - Boiler
- BV - Brick Vent
- CC - Cooling Coil
- CD - Ceiling Diffuser
- CF - Combustion Air Fan
- CH - Cabinet Heater
- CP - Condensate Pump
- CT - Cooling Tower
- CJ - Condensing Unit
- CV - Convectors
- DC - Duct Coil
- DG - Door Grille
- DLC - Dry Liquid Coolers
- EBB - Electric Base Board
- ECH - Electric Cabinet Heater
- EDH - Electric Duct Heater
- EF - Exhaust Fan
- EG - Exhaust Grille
- EH - Exhaust Hood
- ELC - Evaporative Liquid Coolers
- ER - Exhaust Register
- ETS - Expansion Tank System
- EUH - Electric Unit Heater
- EW - Electric Wall Heater
- F - Fan
- FC - Fan Coil Unit
- FG - Floor Grille
- FH - Filter Housing
- FT - Fin Tube Radiation
- HC - Heating Coil
- HCC - Heat Cool Coils
- HP - Heat Pump
- HUM - Humidifier
- HX - Heat Exchanger
- IH - Intake Hood
- IL - Intake Louver
- IPH - Infrared Panel Heater
- ITH - Infrared Tube Heater
- L - Louver
- LG - Linear Grille
- LS - Linear Slot
- MUA - Make-Up Air Unit
- P - Pump
- PAC - Packaged Air Conditioners
- RG - Return Grille
- RH - Relief Hood
- RP - Return Panel
- RR - Return Register
- RTU - Rooftop Unit
- SD - Slot Diffuser
- SG - Supply Grille
- TH - Transfer Grille
- UH - Unit Heater
- VAC - Unit Air Conditioner
- VAV - Variable Air Volume Box
- WCH - Water Cooled Chiller

ABBREVIATIONS

- AFF - Above Finish Floor
- BD - Back Draft Damper
- BOF - Bottom Of Footing
- CLC - Ceiling
- C/C - Center To Center
- CW - Cold Water
- COMP - Compressor
- CR - Condenser Return
- CS - Condenser Supply
- CONN - Connection
- DIFF - Diffuser
- DF - Drinking Fountain
- DTR - Dual - Temp Return
- DT - Dual - Temp Supply
- DF - Duct Furnace
- DH - Duct Heater
- E.A.D. - Exhaust Air Duct
- EW - Electrical Water Heater
- E.C. - Electrical Contractor
- EXH - Exhaust
- EF - Exhaust Fan
- EG - Exhaust Grille
- FD - Fire Damper
- FLD - Floor Drain
- FS - Flow Switch
- G.C. - General Contractor
- HP - Horse Power
- HT - Hot Water
- I.E. - Invert Elevation
- MAV - Manual Air Vent
- M.C. - Mechanical Contractor
- MOD - Motor Operated Damper
- O.A.D. - Outside Air Duct
- R.A.D. - Return Air Duct
- S.A.D. - Supply Air Duct
- SM - Sheet Metal
- SMD - Smoke Damper
- T-STAT - Thermostat
- UR - Urinal
- V - Vent
- VTR - Vent Thru Roof
- WH - Wall Hydrant
- WTR - Water
- WC - Water Closet
- WP - Water Proof



I hereby certify this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly registered professional under the laws of the State of Wisconsin.

WISCONSIN
Christopher C. Olson
DATE: AUGUST 3, 2018
NUMBER: E-2574

This drawing is and shall remain the property of the Galileo Consulting Group, Inc. (GCG). It is to be used only for the project and location specified herein. Any reproduction or use of this drawing for any other purpose without the written consent of the designer is strictly prohibited.

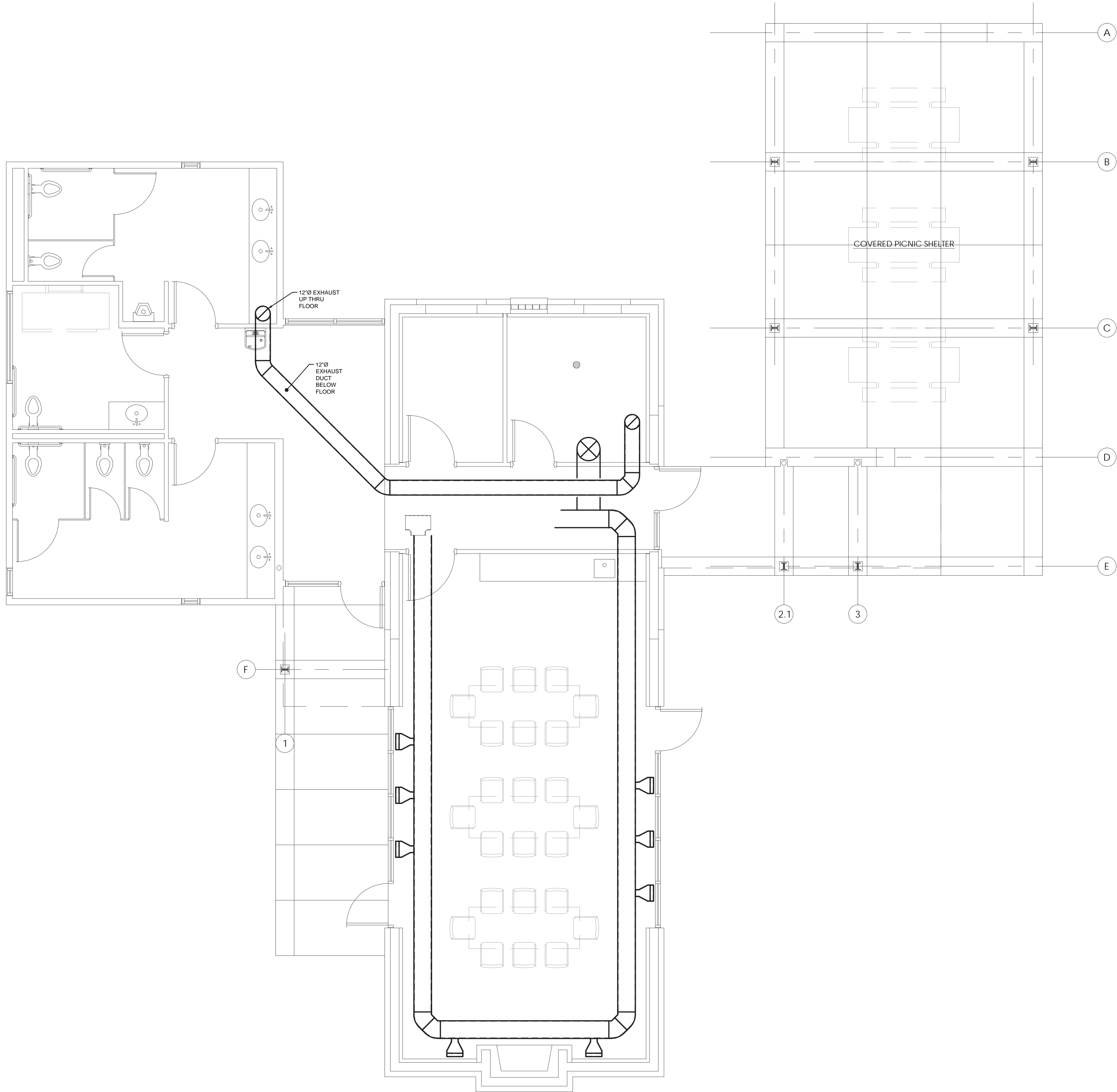
PRELIMINARY
NOT FOR CONSTRUCTION

PROJECT: ALL ABILITIES TRANE PARK
PH. I - BUILDING + SITE IMPROVEMENTS
CITY OF LA CROSSE, WI

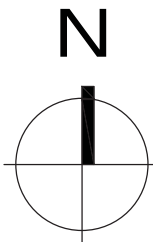
DATE: August 3, 2018 PROJECT No: 1410
DRAWN BY: GALILEO
CHECKED BY: CCO

MECHANICAL SYMBOLS AND DEMOLITION PLAN

SHEET No
M100



1 UNDERFLOOR PLAN - MECHANICAL
M101 1/4" = 1'-0"

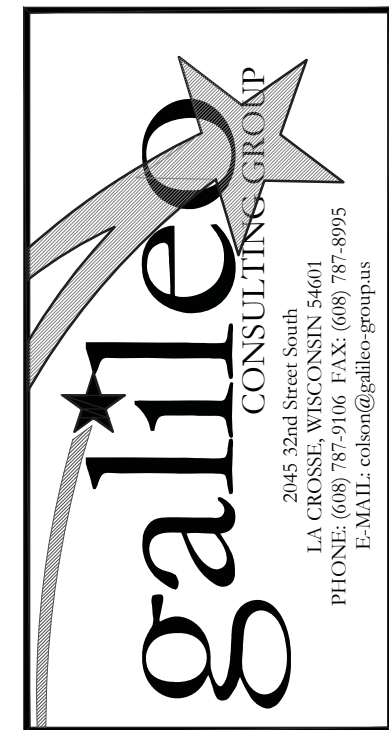


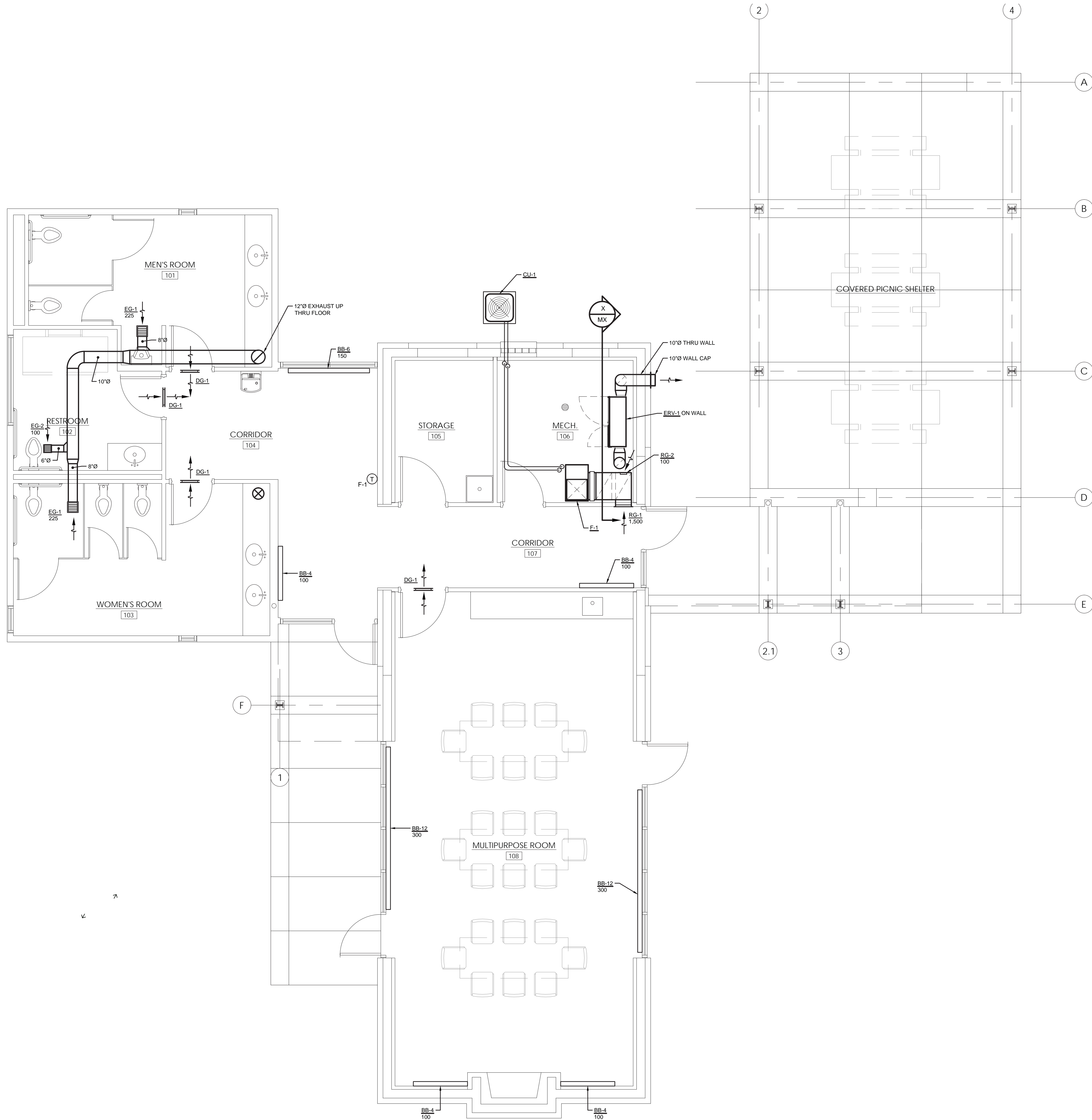
PROJECT
ALL ABILITIES TRANE PARK
PH. I - BUILDING + SITE IMPROVEMENTS
CITY OF LA CROSSE, WI

DATE August 3, 2018 PROJECT No 1410
DRAWN BY GALILEO DRAWING TITLE UNDERFLOOR DUCT PLAN
CHECKED BY COO

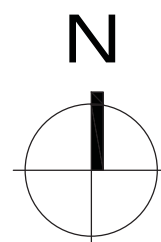
I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly registered professional under the laws of the State of Wisconsin.
WISCONSIN
Christopher C. Olson
DATE AUGUST 3, 2018
NUMBER E-2574

This drawing is and will remain the property of the firm. It is to be used only for the project and for the exclusively stated purpose. No part of this drawing or its contents may be reproduced, stored in a retrieval system, or transmitted in any form or by any means, electronic, mechanical, photocopying, recording, or by any information storage and retrieval system, without the prior written consent of the designer, is strictly prohibited.





1 FIRST FLOOR PLAN - MECHANICAL
M102 1/4" = 1'-0"



PROJECT
ALL ABILITIES TRANE PARK
PH. I - BUILDING + SITE IMPROVEMENTS
CITY OF LA CROSSE, WI

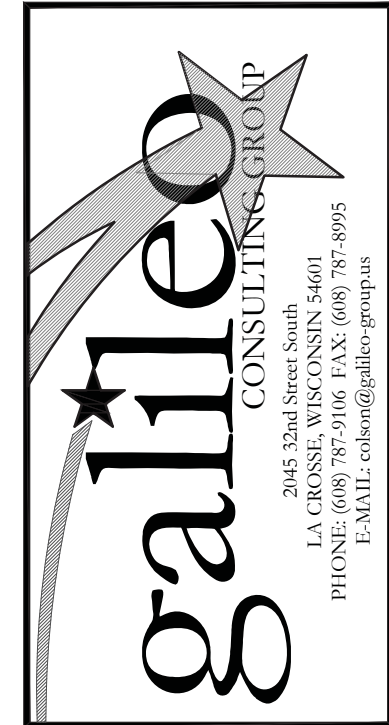
DATE August 3, 2018 PROJECT No 1410
DRAWN BY GALILEO DRAWING TITLE
CHECKED BY COO FIRST FLOOR PLAN AND DETAILS

SHEET No

M102

PRELIMINARY
NOT FOR CONSTRUCTION

I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly registered professional under the laws of the State of Wisconsin.
WISCONSIN
Christopher C. Olson
DATE AUGUST 3, 2018
NUMBER E-2574
This drawing is and will remain the property of the firm. It is to be used only for the project and for the specifically named purpose, unless otherwise written content of the drawing is strictly prohibited.



riverARCHITECTS
740 7th Street North La Crosse, WI 54601-3308 Tel 608 785-2217



I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly registered professional under the laws of the State of Wisconsin.
WISCONSIN
DATE August 3, 2018
NUMBER E-2574
This drawing is and shall remain the property of the Galileo Consulting Group, Inc. It is to be used only for the project and location specified hereon and for no other purpose, without the written consent of the designer, is strictly prohibited.

PRELIMINARY
NOT FOR CONSTRUCTION

PROJECT
ALL ABILITIES TRANE PARK
PH. I - BUILDING + SITE IMPROVEMENTS
CITY OF LA CROSSE, WI
DATE August 3, 2018 PROJECT No 1410
DRAWN BY GALILEO
CHECKED BY COO
DRAWING TITLE
MECHANICAL SCHEDULES

SHEET No
M103

river ARCHITECTS
740 7th Street North La Crosse, WI 54601-3308 Tel 608 785-2217

GRILLES, REGISTERS, AND DIFFUSERS

MARK	MANUFACTURER'S MODEL NO.	SERVICE	SIZE		PERFORMANCE		THROW DIRECTION	TYPE	CONSTRUCTION	COLOR	VOLUME DAMPER	ACCESS/ OPTIONS	REMARKS
			DUCT	FACE	PD*	NC	FT**						
CD-1	PLQ	Supply	6"Ø	24"x24"	<.05"	<20	6	4-Way	Flat Frame	Steel	White	No	
EG-1	S-585-H	Exhaust	24"x24"	26"x26"	<.05"	<20	---	---	1/2" Spacing, 39° Deflection	Aluminum	White	No	
RG-1	S-585-H	Return	24"x42"	26"x44"	<.05"	<20	---	---	1/2" Spacing, 39° Deflection	Aluminum	White	No	
RG-2	S-585-H	Return	24"x36"	26"x38"	<.05"	<20	---	---	1/2" Spacing, 39° Deflection	Aluminum	White	No	
RG-E													A
SG-1	S-5885-H	Supply	24"x6"	26"x8"	<.05"	<25	24	Double Deflection	1/2" Spacing, Double Deflection	Aluminum	White	Yes	
SG-2	S-5885-H	Supply	14"x6"	16"x8"	<.05"	<20	18	Double Deflection	1/2" Spacing, Double Deflection	Aluminum	White	Yes	
SG-3	S-5885-H	Supply	12"x8"	14"x10"	<.05"	<20	16	Double Deflection	1/2" Spacing, Double Deflection	Aluminum	White	Yes	
TG-1	ECG15-F22	Transfer	12" x 12"	14" x 14"	<.05"	<20	---	---	1/2" x 1/2" x 1" Eggcrate	Aluminum	White	No	

Based on products by Kreuger. Equal products will be acceptable.

** Distance in FT at 100 FPM with direction pattern indicated.

ACCESSORIES/OPTIONS:

- Square Plenum Box for Round Duct Connection.
- Square-to-round Adapter.
- Infill Panel for 24"x24" Grid System.
- Infill Panel for 24"x48" Grid System.
- 1-hour Radiation Damper.
- Beveled Drop Face.
- Channel Frame for 2x2 Grid System

REMARKS:

- Existing grille remains - no work.
- Provide grille in a 24" x 24" infill panel.

DUCTWORK INSULATION

Air SYSTEM	DUCT SYSTEM	DUCT WRAP		DUCT BOARD				DUCT LINER				No Insulation Required	REMARKS
		1 1/2"	3"	DENSITY	1"	1 1/2"	2"	DENSITY	1/2"	1"	1 1/2"	DENSITY	
Furnace Systems	Rectangular Supply Air Ductwork - Inside Building	X		.75 PCF									
	Round Supply Air Ductwork - Inside Building	X		.75 PCF									
	Rectangular Return Air Ductwork - Inside Building									X		3.0 PCF	
	Round Return Air Ductwork - Inside Building												X
	Rectangular Outside Air Ductwork - Inside Building						X	3.0 PCF					
Energy Recovery Unit (ERV-1)	Rectangular Supply Air Ductwork - Inside Building	X		.75 PCF									
	Rectangular Exhaust Air Ductwork - Inside Building	X		.75 PCF									
	Rectangular Return Air Ductwork - Inside Building									X		3.0 PCF	
	Rectangular Outside Air Ductwork - Inside Building	X		.75 PCF									
	Rectangular Outside Air Ductwork - In Attic	X		.75 PCF									
Exhaust Air Systems	Exhaust Air Ductwork Downstream of Cabinet Fans	X		.75 PCF									
	Exhaust Air Ductwork Downstream of Kitchen Range Hood	X		.75 PCF									
Relief Air Systems	Relief Air Ductwork - Inside Building						X	3.0 PCF					
	Relief Air Ductwork in Cold Attic Cavity		X	.75 PCF						X		3.0 PCF	B

Remarks:

- Insulate ductwork in "cold" attic only.
- Relief air ductwork in the attic cavity receives BOTH 1 inch of duct liner and 3 inches of exterior duct wrap.

FAN POWERED AIR TO AIR HEAT EXCHANGERS (ENTHALPY WHEEL)

MARK	MANUFACTURER MODEL NO.	UNIT CONFIGURATION	UNIT SERVICES	SUPPLY SIDE			EXHAUST SIDE		HEAT RECOVERY WHEEL MINIMUM EFFICIENCY	EXCHANGE MEDIA	VOLT/ PHASE	ELECTRICAL UNIT MCA	UNIT NOP	FILTERS		ACCESS/ OPTIONS	REMARKS
				Entering Air Conditions	Leaving Air Conditions		FAN	Entering Air Conditions						O.A. SIDE	E.A. SIDE		
ERV-1	HE 1.5X1NH	Interior Mounting	Ventilation Air to Gathering Space	S50	CFM	Winter: -20 DB/50% RH Summer: 91 DB/75 WB	49/41	S50	CFM	Winter: 68 DB/30% RH Summer: 75 DB/50% RH	Fixed	120/1	14.6	20	Yes	Yes	1, 2, 3, 7, 8
				0.35"	E.S.P.		77/64	0.625"	E.S.P.		Enthalpy			2"	2"		A, B, C, D, E
				1.0	HP			1.0	HP		Media			MERV 11	MERV 11		9, 12, 13

Based on products by RenewAir.

ACCESSORIES/OPTIONS:

- Outside Air Filters
- Exhaust Air Filters
- Duct Flanges
- Remote Control Panel
- Rotation Sensor
- Outside Air Pre-heat for Frost Control
- Variable Speed Fan Controls
- Outside Air Motorized Damper
- Exhaust Air Motorized Damper
- Unit-mounted Convenience Receptacle

REMARKS:

- Air filters shall be 2" pleated media - nominal MERV 11 efficient. Provide (2) sets of air for each unit.
- Outside air and exhaust air dampers shall be motorized, two-position, low leakage. Dampers to open when unit is energized.
- Provide field-mounted timeclock to schedule operation of unit.
- Provide wall-mounted carbon dioxide sensor to be located in the space. Sensor shall control operation of fans to maintain a maximum room carbon dioxide level.
- Provide unit-mounted disconnect switch with single point power supply.

CONSTANT VOLUME "RESIDENTIAL" FURNACES

MARK	MANUFACTURER MODEL NO.	Location	FAN			COOLING			HEATING						OUTSIDE AIR VOLUME	VOLT /PH	ACCESSORIES/ OPTIONS	REMARKS		
			CFM	E.S.P.	HP	Type	Refrig.	Max. P.D.	Coil size	Fuel	IN	OUT	EFF.	M.A.T.					D.A.T.	
F-1	(Verify per Manufacturer)	Mechanical Mezzanine	2,000	0.35"	3/4	DX	410A	0.25"	5-Ton	Natural Gas	100.0	93.0	92.0	54.0	99	15%	N/A	120/1	1, 2, 6	A, B, C, D

Only products by Trane will be acceptable.

ACCESSORIES/OPTIONS:

- External-access Side Filter Kit
- Cased evaporator coil
- Un-cased evaporator coil
- Electronic air cleaner
- Humidifier
- Concentric termination kit

REMARKS:

- Provide a matching cased evaporator coil to mate with this furnace. Evaporator coil to be horizontal configuration.
- Pipe all gas venting and combustion air up through roof and terminate as directed by the manufacturer.
- Construct a condensate trap of Schedule 40 PVC piping for the evaporator coil drain and pipe to nearest floor drain.
- This furnace has a two-stage gas valve. Equal products shall be two-stage firing.

AIR COOLED COMPRESSOR-CONDENSING UNITS

MARK	MODEL NUMBER	SERVING SYSTEM	NOMINAL TONNAGE	SYSTEM BTU/HR.	MAX. SST	O.A.T. TEMP.	STAGES	NO. COMP	REFRIG TYPE	MIN. SEER	ELECTRICAL			ACCESSORIES/ OPTIONS	REMARKS
											MCA	MOP	VOLT/PH		
CU-1	(Verify with Manufacturer)	F-1	4.0	46.0	95	40	95	1	1	R-410	16.0	32.0	50	240/L/60	1, 4, 5, 8

Only products by Trane will be acceptable.

* AT 95 deg. F O.A.T.

ACCESSORIES/OPTIONS:

- Compressor Start Assist Kit.
- Crankcase Heater
- Cycle Protector
- Unit-mounted Filter-drier
- Low ambient Lock-out Thermostat
- Time-Delay Relay
- Winter Start Kit
- Thermostatic expansion valve kit

REMARKS:

- Provide accessories as necessary for unit to operate, without damage, to 50 degrees O.A.T.
- Provide compressor sound blankets.

REFRIGERANT PIPE SIZING

SYSTEM	EVAP. COIL	COND. UNIT	NOMINAL TONNAGE	TYPE	COND. TEMP.	EVAP. TEMP.	LIQUID		ACCES.	SUCTION			HOT GAS			REMARKS
							MAXIMUM *	PIPE		MAXIMUM *	PIPE	ACCES.	MAXIMUM *	PIPE	ACCES.	
							EQU. LEN.	P.D.	SIZE	EQU. LEN.	P.D.	SIZE	EQU. LEN.	P.D.	SIZE	
F-1	CU-1		4.0	R-410	115	40	95	4.0	3/8"	1, 2, 3, 4	80	3.0	7/8"	3	---	A, B, C

* Equivalent length in feet and pressure drop in PSI.

ACCESSORIES:

- Sight Glass.
- Canister type filter drier.
- Ball valves for servicing accessories.

- Thermostatic expansion valve.
- Solenoid valve.

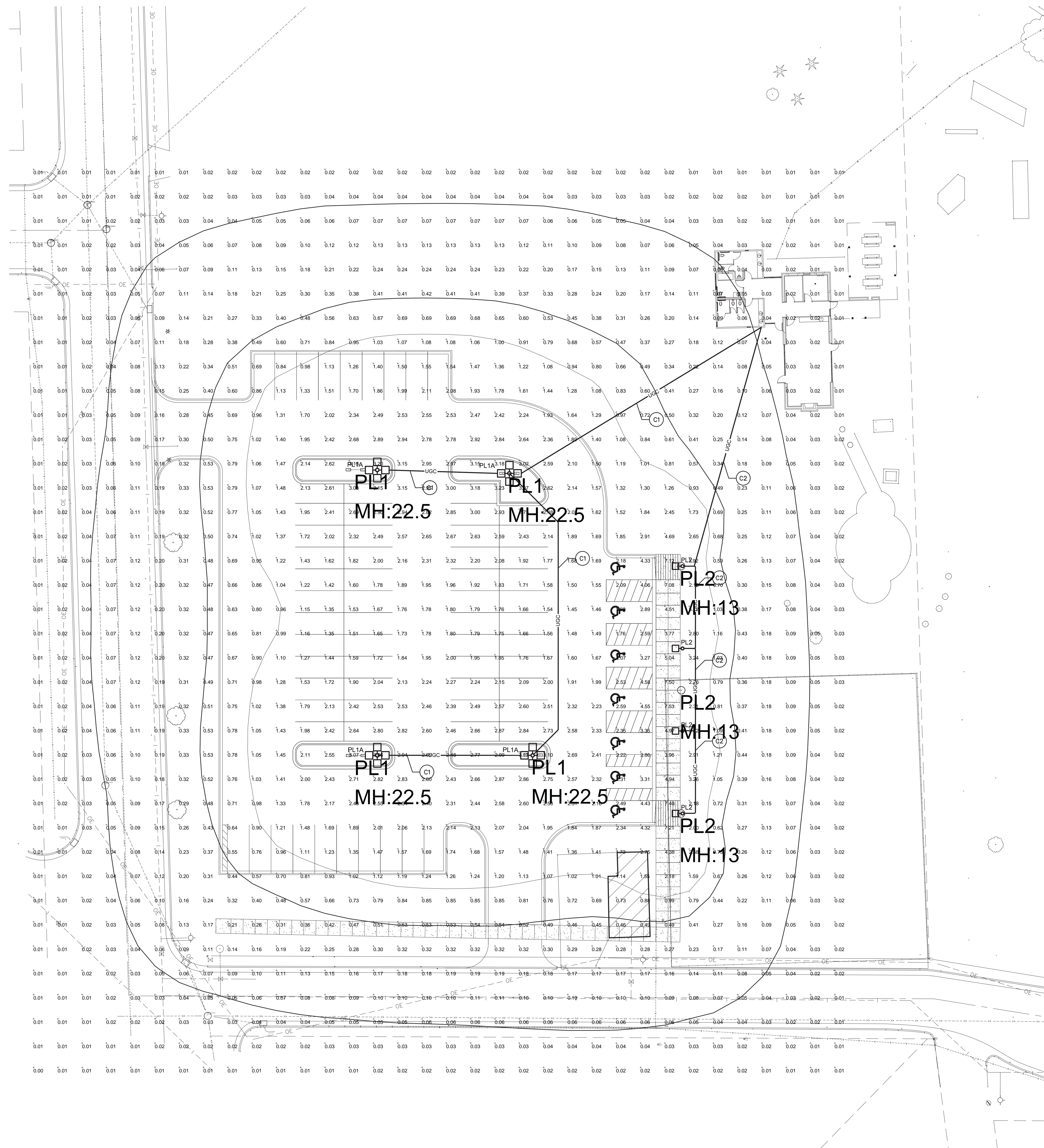
REMARKS:

- All refrigerant piping shall be hard temper Type ACR copper tube.
- Filter drier may be provided with condensing unit.
- Size TXV for specific evaporator coil supplied.

SMACNA PRESSURE CLASS

FAN No.	DUCTWORK SYSTEM	MINIMUM DUCT PRESSURE CLASS							SEAL CLASS	REMARKS
		+4"	+3"	+2"	+1"	+1/2"	-1/2"	-1"		
Furnace Systems	Outside Air Ductwork						X		A	
	Supply Air Ductwork				X				A	
	Return Air Ductwork					X			C	
Energy Recovery Unit	Outside Air Ductwork						X		A	
	Supply Air Ductwork				X				A	
	Return Air Ductwork					X			C	
Exhaust Fans	Suction Side of Fans						X		C	
	Discharge Side of Fans					X			A	
Relief Air	All Ductwork Connected to Hoods or Louvers					X	X		A	

REMARKS:



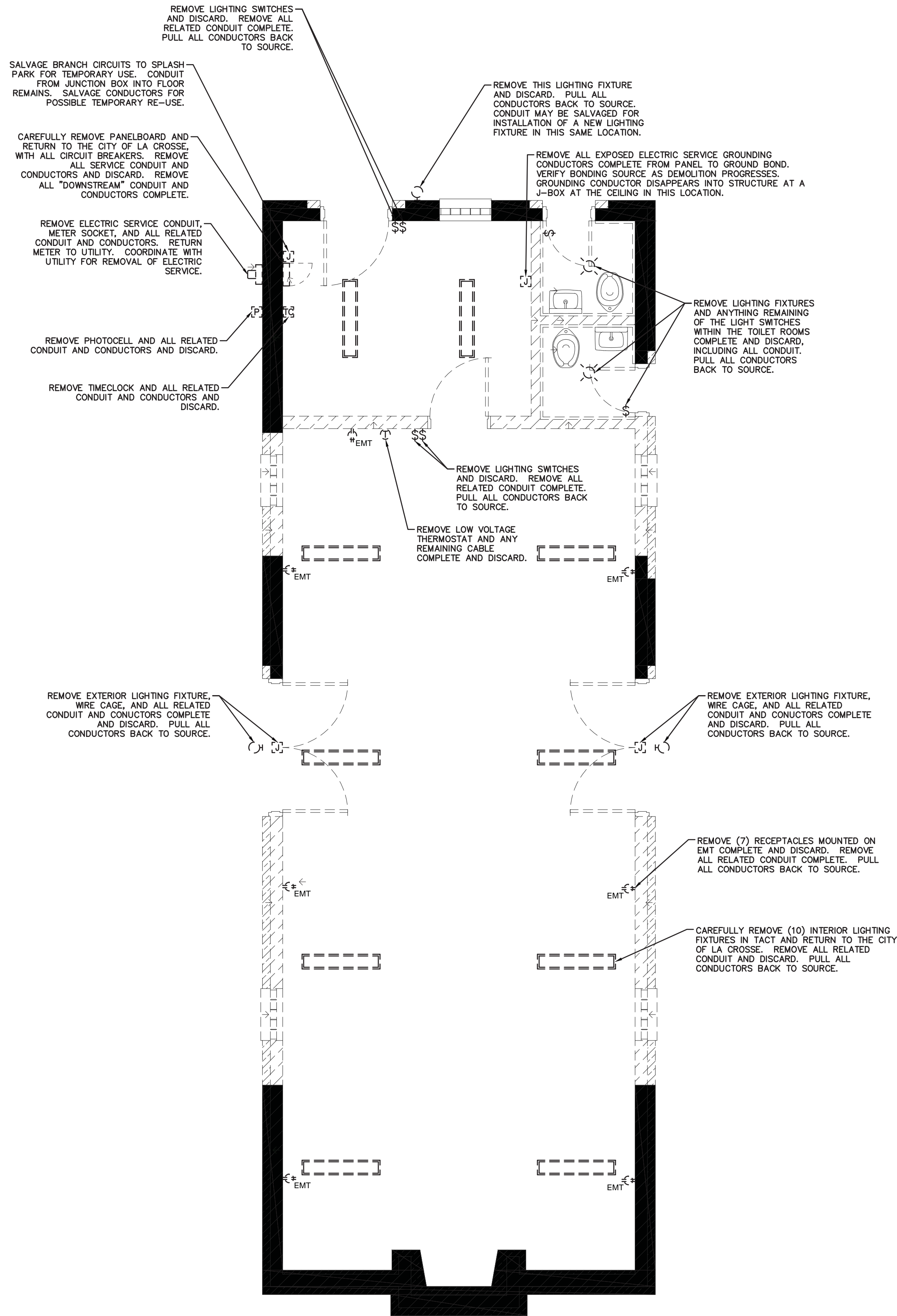
I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly registered professional under the laws of the State of Wisconsin.
DATE: AUGUST 3, 2018
NUMBER: E-2574
This drawing is not to be used for any other project without the written consent of the designer. It is strictly prohibited.

PRELIMINARY
NOT FOR CONSTRUCTION

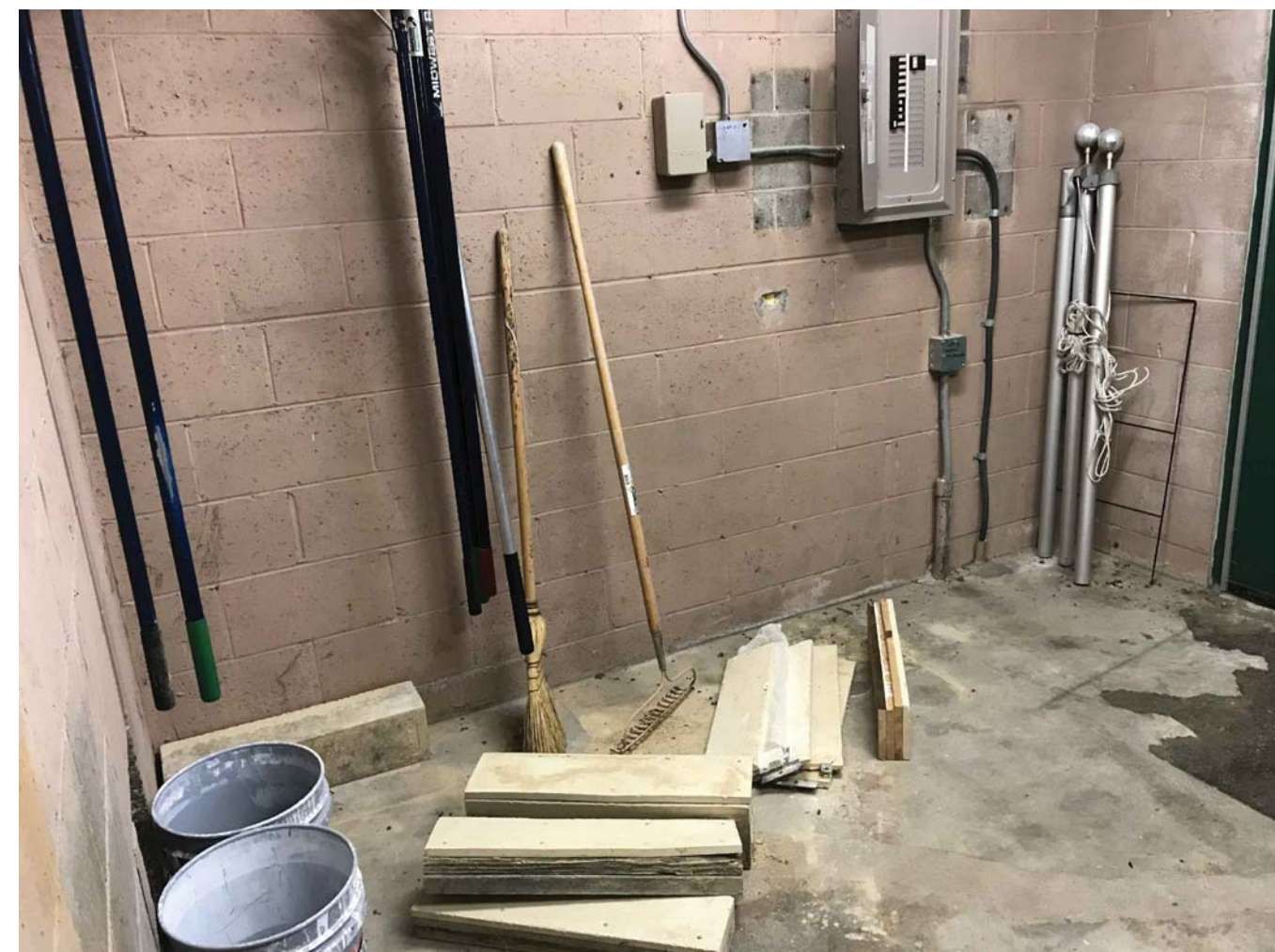
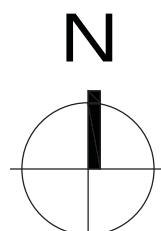
PROJECT: ALL ABILITIES TRANE PARK
PH. I - BUILDING + SITE IMPROVEMENTS
CITY OF LA CROSSE, WI
DATE: August 3, 2018
PROJECT No: 1410
DRAWN BY: GALILEO
CHECKED BY: COO
DRAWING TITLE: SITE LIGHTING PHOTOMETRICS

SHEET No: E0

river ARCHITECTS
740 7th Street North La Crosse, WI 54601-3308 Tel 608 785-2217



1 FIRST FLOOR PLAN - DEMOLITION
1/4" = 1'-0"



2 EXISTING PANEL AND SPLASH PAD CONDUIT
1/4" = 1'-0"

<h3>LIGHTING</h3> <p>RECESSED FLUORESCENT FIXTURE. SEE LIGHTING FIXTURE SCHEDULE. 'A' INDICATES FIXTURE TYPE. 'b' INDICATES SWITCH CONTROL.</p> <p>SURFACE FLUORESCENT FIXTURE. SEE LIGHTING FIXTURE SCHEDULE. 'A' INDICATES FIXTURE TYPE. 'b' INDICATES SWITCH CONTROL.</p> <p>WALL BRACKET LIGHTING FIXTURE. SEE LIGHTING FIXTURE SCHEDULE. 'A' INDICATES FIXTURE TYPE.</p> <p>SURFACE-MOUNTED FIXTURE-SEE LIGHTING FIXTURE SCHEDULE FOR DESCRIPTION AND MANUFACTURER. 'A' INDICATES FIXTURE TYPE.</p> <p>PENDANT-MOUNTED LIGHTING FIXTURE. 'A' INDICATES FIXTURE TYPE.</p> <p>RECESS-MOUNTED DOWNLIGHT-SEE LIGHTING FIXTURE SCHEDULE FOR DESCRIPTION AND MANUFACTURER. 'A' INDICATES FIXTURE TYPE.</p> <p>RECESSED WALL-WASH OR SPOTLIGHTING FIXTURE. DIRECTION AS INDICATED BY ARROW. 'A' INDICATES FIXTURE TYPE.</p> <p>WALL MOUNTED LIGHT FIXTURE. 'A' INDICATES FIXTURE TYPE.</p> <p>POLE MOUNTED LIGHT FIXTURE.</p> <p>FLUORESCENT STRIP FIXTURE. 'A' INDICATES FIXTURE TYPE.</p> <p>TRACK LIGHTING FIXTURE WITH NUMBER OF FIXTURES INDICATED.</p> <p>LIGHTING FIXTURES ON EMERGENCY POWER SOURCE. 'A' INDICATES FIXTURE TYPE. 'NL' INDICATES IF FIXTURE IS TO BE ON AT ALL TIMES.</p> <p>EMERGENCY LIGHTING UNIT WITH SELF-CONTAINED BATTERY AND HEADS AS INDICATED. WG = WIRE GUARD PROTECTED.</p> <p>CEILING MOUNTED EMERGENCY LIGHTING UNIT WITH SELF-CONTAINED BATTERY AND HEADS AS INDICATED. WG = WIRE GUARD PROTECTED.</p> <p>EMERGENCY LIGHTING UNIT REMOTE HEAD.</p> <p>EXIT LIGHT FIXTURE. NUMBER OF FACES AND DIRECTIONAL ARROWS AS INDICATED. WG = WIRE GUARD PROTECTED.</p> <p>COMBINATION EXIT LIGHT AND EMERGENCY LIGHTING UNIT.</p> <p>CEILING FAN.</p>	<h3>RACEWAY</h3> <p>NEUTRAL CONDUCTOR (TYP.)</p> <p>POWER CONDUCTOR (TYP.)</p> <p>BRANCH CIRCUIT CARRYING SWITCHED CONDUCTORS</p> <p>BRANCH CIRCUIT WITHOUT SWITCHED CONDUCTORS</p> <p>LOW VOLTAGE CIRCUIT</p> <p>GROUND OR NEUTRAL CONNECTION AS INDICATED</p> <p>JUNCTION BOX</p> <p>UNDERFLOOR DUCT AND JUNCTION BOX</p> <p>EMPTY OUTLET BOX WITH BLANK COVER PLATE. SIZE AND TYPE AS INDICATED.</p> <p>HOME RUN TO PANEL "L" CIRCUIT #2 VIA RELAY #1 IN LIGHTING CONTROL PANEL LCP-1. SEE PANELBOARD & LIGHTING CONTROL RELAY SCHEDULES.</p> <p>HOME RUN DIRECTLY TO PANEL "L" CIRCUIT #2</p> <p>CONDUIT ROUTED ABOVE GROUND. SIZE AND TYPE AS INDICATED.</p> <p>CONDUIT ROUTED BELOW GROUND OR FLOOR SLAB. SIZE AND TYPE AS INDICATED.</p> <p>CONDUIT TURNED UP</p> <p>CONDUIT TURNED DOWN</p> <p>CABLE TRAY</p> <p>BUS DUCT</p> <p>CONDUIT SEAL-OFF</p> <p>NOTE: ALL BRANCH CIRCUITS TO CARRY SEPARATE GROUNDING CONDUCTOR REGARDLESS OF CONDUIT MATERIAL.</p> <h3>SWITCHES</h3> <p>WALL SWITCH, SINGLE POLE SINGLE THROW (SPST). LETTER INDICATES SPECIAL FEATURE.</p> <p>3 = 3-WAY SWITCH</p> <p>4 = 4-WAY SWITCH</p> <p>D = DIMMER</p> <p>DPST = DOUBLE POLE SINGLE THROW FUSED</p> <p>H/C = HEAT/COOL</p> <p>M = MANUAL MOTOR STARTER</p> <p>MC = MOMENTARY CONTACT SWITCH</p> <p>MS = OCCUPANCY SENSING</p> <p>P = PILOT LIGHT</p> <p>SM = SURFACE-MOUNTED</p> <p>TP = TIMER SWITCH, MFG. & MODEL # AS INDICATED</p> <p>VP = VOLUME CONTROLS</p> <p>VS = 120 VOLT 20 AMP MOTOR RATED</p> <p>X = VARIABLE SPEED SWITCH</p> <p>WP = WEATHER PROOF</p> <p>NOTE: LOWER CASE LETTERS INDICATE MULTIPLE LEVELS OF LIGHT CONTROL OF FIXTURES WITH CORRESPONDING LETTERS INDICATED ON FIXTURES.</p> <p>WALL SWITCH FOR LIGHTING CONTROL SYSTEM. # INDICATES UNIQUE SWITCH DESIGNATION AS SCHEDULED.</p> <p>CEILING MOUNTED OCCUPANCY SENSOR</p> <p>OCCUPANCY SENSOR POWER PACK</p> <h3>DISTRIBUTION EQUIPMENT</h3> <p>POWER DISTRIBUTION PANEL</p> <p>BRANCH CIRCUIT PANELBOARD</p> <p>ELECTRICAL METER SOCKET</p> <p>TRANSFORMER. SIZE AS INDICATED</p> <p>DISCONNECT SWITCH, NON-FUSED</p> <p>DISCONNECT SWITCH, FUSED</p> <p>MOTOR CONTROL CENTER</p> <p>POWER/LIGHTING CONTACTOR</p>	<h3>CONTROL DEVICES</h3> <p>CONTROL PANEL</p> <p>TEMPERATURE CONTROL PANEL</p> <p>TIME CLOCK</p> <p>PHOTOCELL</p> <p>THERMOSTAT</p> <p>RELAY</p> <p>DOOR BELL</p> <p>BUZZER</p> <p>PUSH BUTTON REMOTE CONTROL STATION</p> <h3>FIRE ALARM SYSTEM</h3> <p>NOTES: MOUNTING HEIGHTS FOR FIRE ALARM DEVICES: MANUAL PULL STATION = 48" HORN/STROBE = 80" STROBE LIGHTS = 80" MAGNETIC DOOR HOLDERS = AS SPECIFIED</p> <p>FIRE ALARM CONTROL PANEL (FACP)</p> <p>FIRE ALARM ANNUNCIATOR</p> <p>MANUAL PULL STATION</p> <p>DUCT SMOKE DETECTOR</p> <p>SMOKE DETECTOR</p> <p>SMOKE DETECTOR WITH AUXILIARY CONTACTS</p> <p>HEAT DETECTOR</p> <p>HEAT DETECTOR WITH AUXILIARY CONTACTS</p> <p>CARBON MONOXIDE DETECTOR</p> <p>WEATHER PROOF FIRE HORN/STROBE. X = EXTERIOR</p> <p>F.A. HORN</p> <p>F.A. AUDIO / VISUAL (HORN/STROBE). WG = WIRE GUARD PROTECTED</p> <p>END OF LINE RESISTOR</p> <p>STROBE LIGHT</p> <p>GAS DETECTOR</p> <p>MAGNETIC DOOR HOLDER</p> <p>SPRINKLER SYSTEM WATER FLOW SWITCH</p> <p>SPRINKLER SYSTEM TAMPER SWITCH</p> <p>RESCUE ASSISTANCE CALL STATION</p> <p>RESCUE ASSISTANCE ANNUNCIATOR</p> <h3>DATA AND COMMUNICATION EQUIPMENT</h3> <p>DATA/COMMUNICATION BOARD (DTB). 3/4" THICK, GRADE AC, PLYWOOD. HEIGHT AND WIDTH AS INDICATED.</p> <p>TELECOMMUNICATIONS OUTLET. NUMBER INDICATES 1-DATA JACK, 1-PHONE JACK.</p> <p>FLOOR MOUNTED TELECOMMUNICATIONS OUTLET. LETTER OR NUMBER INDICATES FUNCTION.</p> <p>FLOOR MOUNTED DUPLEX RECEPTACLE W/ SPACE FOR DATA RECEPTACLES</p> <p>TELEPHONE TERMINAL CABINET</p> <p>CABLE TELEVISION TERMINAL BOARD (TVTB). 3/4" THICK, GRADE AC, PLYWOOD. HEIGHT AND WIDTH AS INDICATED.</p> <p>CABLE TELEVISION TERMINAL CABINET (TVTC)</p> <p>TELEVISION OUTLET</p> <p>CLOCK OUTLET. DF = DOUBLE FACE</p>	<h3>MOTORS AND EQUIPMENT</h3> <p>MAGNETIC MOTOR STARTER</p> <p>COMBINATION DISCONNECT SWITCH AND STARTER</p> <p>MANUAL MOTOR SWITCH. 3-PHASE WITH OVERLOADS AND PILOT LIGHT</p> <p>MOTOR. SEE POWER AND EQUIPMENT SCHEDULE.</p> <p>EQUIPMENT CONNECTION POINT. SEE POWER AND EQUIPMENT SCHEDULE.</p> <h3>SOUND SYSTEM</h3> <p>SPEAKER ONLY (WALL-MOUNTED)</p> <p>SPEAKER ONLY (CEILING-MOUNTED)</p> <p>LOUD SPEAKER</p> <p>MICROPHONE JACK</p> <p>FLOOR-MOUNTED MICROPHONE JACK</p> <p>VOLUME CONTROLS</p> <p>SOUND SYSTEM CONSOLE</p> <p>SOUND SYSTEM CONTROL PANEL WITH AMPLIFIER</p> <h3>MISCELLANEOUS</h3> <p>EQUIPMENT CONNECTION POINT. SEE MOTOR & EQUIPMENT SCHEDULE.</p> <p>NURSE CALL</p> <p>NURSE CALL - EMERGENCY STATION/PULL STRING</p> <p>NURSE CALL DOME LIGHT. DT = DUTY TONE STATION</p> <p>HANDICAPPED ACCESSIBLE DOOR OPERATOR CONTROL BUTTON</p> <p>ROOM STATUS SYSTEM INDICATOR</p> <h3>SECURITY SYSTEM</h3> <p>CARD READER</p> <p>CAMERA. CM = NEW CAMERA. ECM = EXISTING CAMERA</p> <p>MONITOR</p> <p>SECURITY SYSTEM KEY PAD</p> <p>SECURITY SYSTEM INFRARED MOTION SENSOR</p> <p>SECURITY SYSTEM HAND BUTTON ACTIVATION SWITCH</p> <p>SECURITY SYSTEM SAFE PROTECTION CONNECTION</p> <p>SECURITY SYSTEM MONEY CLIP ACTIVATION SWITCH</p> <p>PHOTOELECTRIC PROXIMITY SENSOR</p> <p>MAGNETIC DOOR CONTACT SWITCH</p> <p>REQUEST TO EXIT</p> <p>ELECTRIC STRIKE</p> <p>BREAK GLASS SENSOR</p>
--	---	--	--

EXTERIOR LIGHTING FIXTURE SCHEDULE

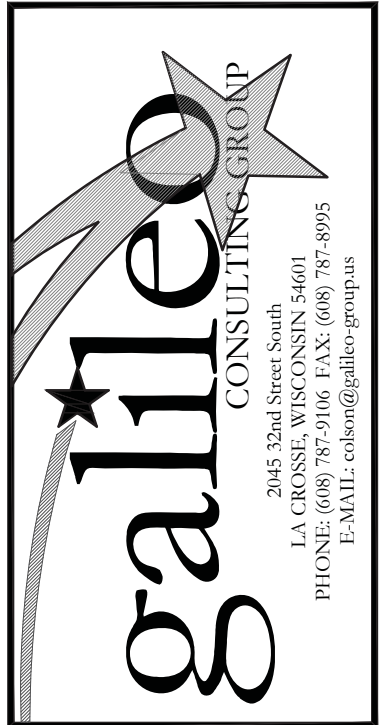
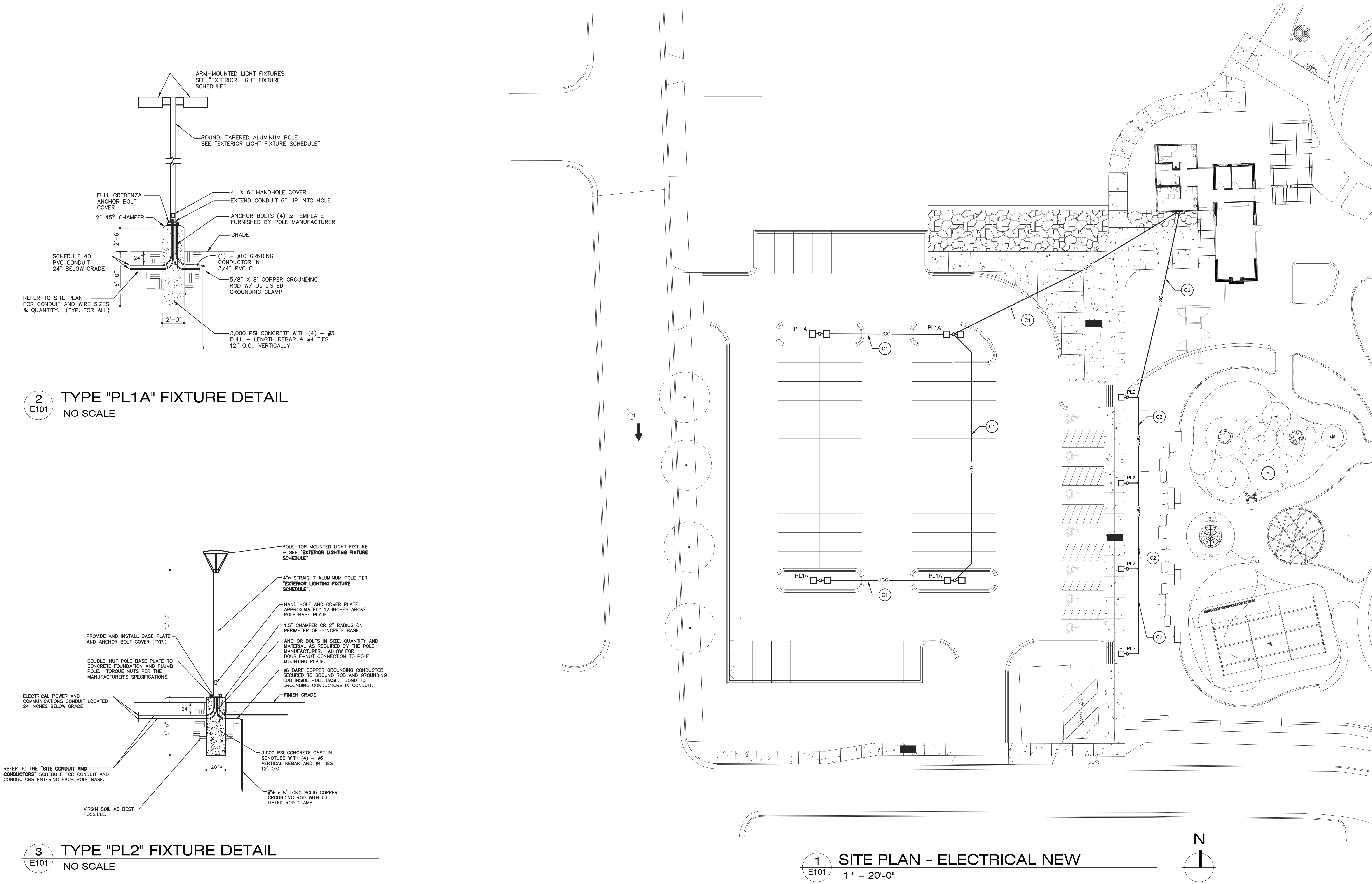
TYPE	MANUFACTURER	LUMINAIRE REFERENCE ID	CATALOG NUMBER	DESCRIPTION	I.E.S. Distribution Type	VOLT	NO. OF LUMINAIRES PER POLE	LUMINAIRE MOUNTING METHOD	LIGHT SOURCE					POLES					REMARKS			
									TYPE	LIGHT OUTPUT	COLOR TEMP.	INPUT WATTAGE	WIND VELOCITY DESIGN	POLE MATERIAL	POLE MOUNTING METHOD	DIRECT BURIAL DEPTH	FOUND. DETAIL	POLE SHAPE		TOTAL POLE LENGTH		
PL1a	Mr Graw Edison	(All Identical) (2 luminaires per pole)	GLEON-AF-02-LED-E1-SWQ-BK-7030-MS/DIM-L40	Arm-mount area light for general use, with multiple, interchangeable optics, LED dimming driver, and integral sensor and dimming driver for 20-40 foot mounting heights.	V	240	1	8" (nominal arm mount with accessible wireway).	L.E.D.	7,482 Lumens	3,000 K	72	90 MPH	Aluminum	24 Inch Diameter Concrete Base	2/E101	Round Tapered	20'	Eaton	RTA8L20A-Y-(X)-4-E-G	Black	1, 2, 3, 4, 5, 6
PL2	Invue	(Single Luminaire)	ARB-B3-LED-D1-T3-BK-7030-MS-L20-ARPA4-BK	Post-top mount area light for general use, with low profile shape (EPA -2.0), LED lamp source with integral standard LED driver, black painted finish, with ON/OFF motion sensor. Provide with optional mounting to mate to a 4" OD pole top.	II	240	1	Post-top mount with 2.375" tenon for direct mounting to a 4" pole top.	L.E.D.	8,500 Lumens	3,000 K	99	90 MPH	Aluminum	20 Inch Diameter Concrete Base	3/E101	Round Straight	12'	Eaton	RS4MT12N-Y-S-X-E-G	Black	1, 2, 3, 4, 5, 6

- REMARKS:
1. Equal products will be acceptable, subject to review by the Engineer, if they are submitted during the Bidding process only.
 2. Fixture shall be UL Listed for wet locations.
 3. Driver is recommended to be multi-tap (120, 208, 240, 277).
 4. Provide pole base with full credenza cover. Base cover shall be round in shape.
 5. Ensure fixture is mounted such that the Type II distribution is aligned parallel to the walkway.
 6. Provide this fixture with unit-mounted motion sensor configured for dimming operation based on motion and supplied based on mounting height.

SITE CONDUIT AND CONDUCTORS

CONDUIT RUN IDENTIFICATION	CONDUIT SIZE	CONDUIT MATERIAL	LINE VOLTAGE CONDUIT AND CONDUCTORS										LOW VOLTAGE CONDUIT AND CONDUCTORS							REMARKS
			LIGHTING CONDUCTORS		VOLTAGE	No. of LIGHTING CIRCUITS	POWER CONDUCTORS		POWER CONDUCTOR USE		VOLTAGE	No. of POWER CIRCUITS	CONDUIT SIZE	CONDUIT MATERIAL	CONDUIT COLOR	LOW VOLTAGE CONDUIT USE	CABLE TYPE #1	CABLE TYPE #2	INSTALL PULL STRING?	
C1	1"	Schedule 40 PVC	(3) - #10 XHHW-2 Copper and #12 Copper Gnd. To "PL1" poles		240	2	(2) - #10 XHHW-2 Copper and #12 Copper Gnd.		Receptacles on Poles		120	1	1"	Smoothwall HDPE	Orange	Future CCTV	None in Contract	None in Contract	Yes	
C2	3/4"	Schedule 40 PVC	(2) - #10 XHHW-2 Copper and #12 Copper Gnd.		120	1	(2) - #10 XHHW-2 Copper and #12 Copper Gnd.		Receptacles on Poles		120	1								

REMARKS:



I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly registered professional engineer in the State of Wisconsin.

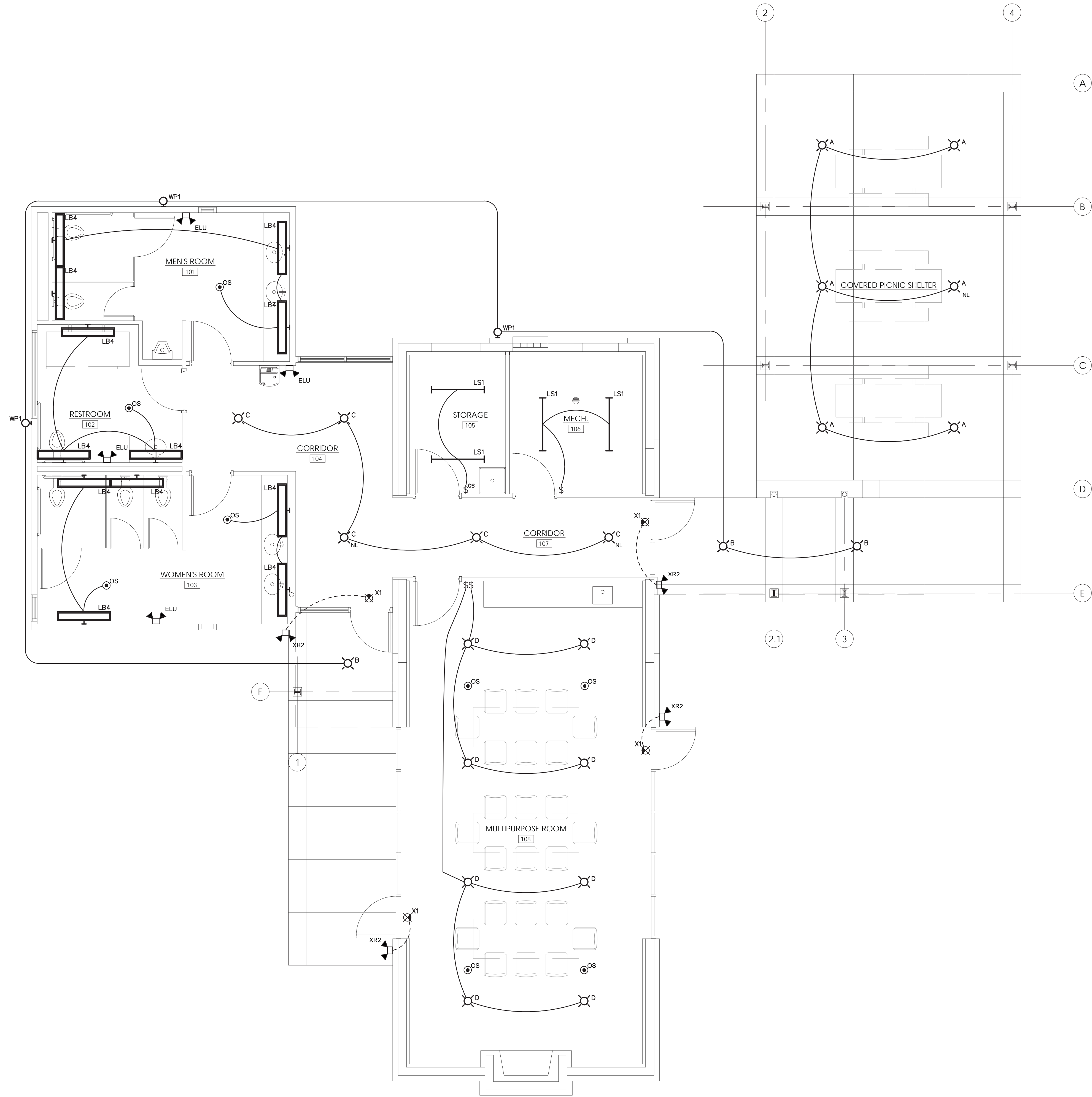
WISCONSIN
Christopher C. Olson
DATE: AUGUST 3, 2018
NUMBER: E-2574

This drawing is and shall remain the property of the Galileo Consulting Group, Inc. It is to be used only for the project and location specified herein. It is not to be reproduced, stored in a retrieval system, or transmitted in any form or by any means, electronic, mechanical, photocopying, recording, or by any information storage and retrieval system, without the prior written consent of the designer. It is strictly prohibited.

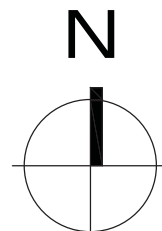
PRELIMINARY
NOT FOR CONSTRUCTION

PROJECT: ALL ABILITIES TRANE PARK
PH. I - BUILDING + SITE IMPROVEMENTS
CITY OF LA CROSSE, WI

DATE: August 3, 2018 PROJECT No: 1410
DRAWN BY: GALILEO DRAWING TITLE: ELECTRICAL SITE PLAN
CHECKED BY: COO



1
E102
FIRST FLOOR PLAN - LIGHTING
1/4" = 1'-0"



MOTOR & EQUIPMENT SCHEDULE

EQUIPMENT REFERENCE I.D.	EQUIPMENT DESCRIPTION	EQUIPMENT LOCATION			MOTOR OR EQUIPMENT REQUIREMENTS AND CHARACTERISTICS							MOTOR STARTERS				DISCONNECT SWITCHES					CONTROL WIRING BY		Branch Circuit or Feeder			REMARKS			
		Room No.	Room Name	Elevation	Motor HP	Equipment Watts	VOLT	PH.	FLA	MCA	MOP	Starter Type	Provided By	Installed By	Starter Size	Disconnect Type	Provided By	Installed By	NEMA Enclo.	Fuse Size	Lockable?	MC	EC	N.C.	Conductor Size		Conduit Min. Size	Ground Size	
CU-1	Compressor-condensing Unit	Outside	Grade	Grade			240	1		32.8	50.0	None				Non-fusible	EC	EC	3R	N/A	No	X		2	8	3/4"	10	3, 4	
D.O.	Electric Door Openers		(Multiple Locations)	7'-0"			120	1	6.0			None				None								2	12	1/2"	12	6	
ERV-1	Energy Recovery Unit	106	Mechanical Room	Floor			120	1		14.6	20.0	None				Non-fusible	MC	MC		N/A	No	X		2	12	1/2"	12	2	
F-1	Residential Furnace	106	Mechanical Room	Floor	3/4		120	1		13.8	20.0	None				Manual Toggle	EC	EC		1	N/A	No	X		2	12	1/2"	12	1
WH-1	Domestic Electric Water Heater	106	Mechanical Room	Floor		4,500	240	1	18.75		30.0	None				Non-fusible	EC	EC		1	N/A	No	N/A	N/A	2	10	1/2"	10	5

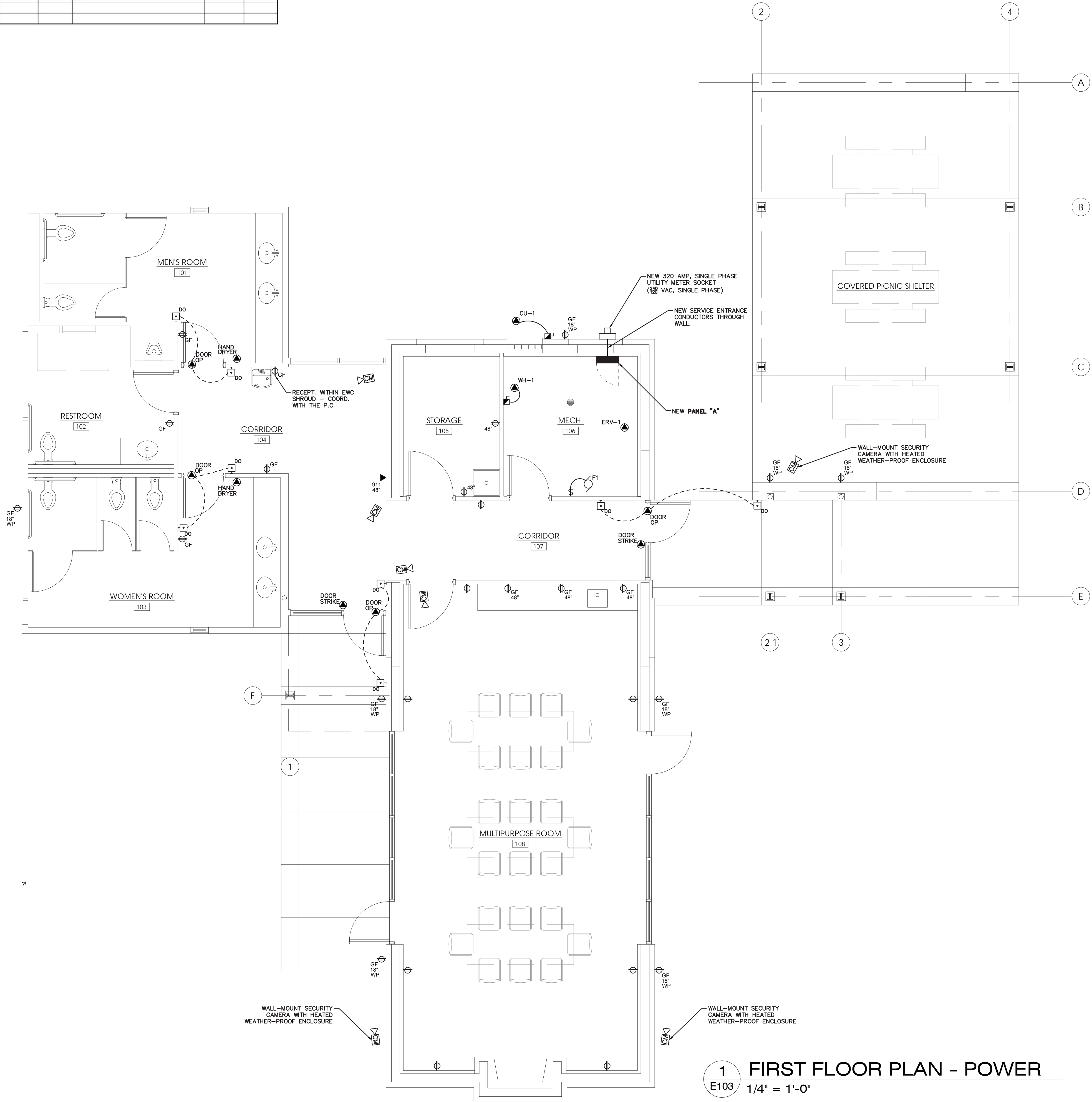
REMARKS:

- Provide and install a 20 amp, SPST or DPST, manual motor control switch without thermal overload protection. Motor control switch shall be mounted in a NEMA 1 or NEMA 3R enclosure, as noted, Mount disconnect on structure in close proximity to motor or equipment, or directly on equipment.
- Make final connection to unit-mounted disconnect switch.
- Make final connection to this motor/equipment with flexible conduit. Exterior equipment shall be fitted with liquid-tight flexible conduit.
- Provide and install a 60 amp, "General Duty", 2-pole, non-fusible disconnect switch with equipment grounding kit for this unit, installed in a NEMA 3R enclosure. Install disconnect on structure adjacent to the equipment.
- Provide and install a 30 amp, "General Duty", 2-pole, non-fusible disconnect switch with equipment grounding kit for this unit. Install disconnect on structure adjacent to the equipment.
- The E.C. shall install and wire all remote operators for all ADA door operators. Verify exact wiring requirements with the General Contractor.

PANELBOARD SCHEDULE

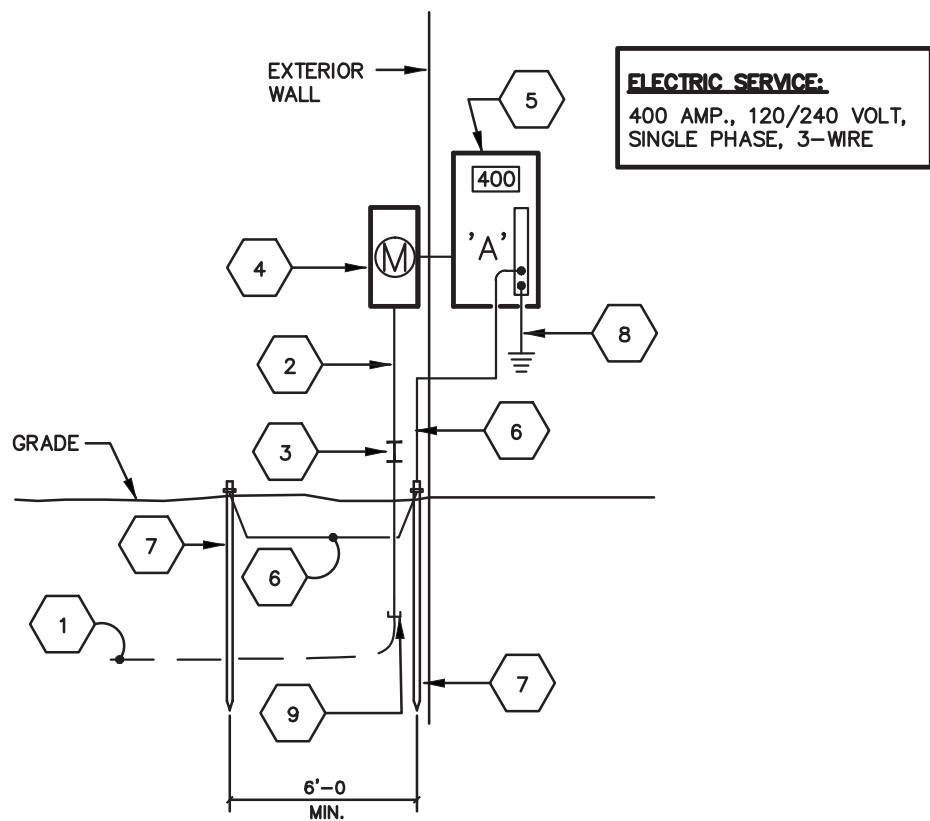
PANEL NO.	ROOM NO.	ROOM NAME	MANUFACTURER/TYPE	MTG		SIZE	MAINS					SUB FEED LUGS	BRANCH CIRCUIT BREAKERS										Breaker Space (Based on Square D)	Min. AIC
				F	S		W	X	SERVICE	AMPS	LUGS		BRKR.	SWITCH	NO.	Adjustable Thermal Breaker?	GFCI-Protected?	Max. Amp	Set-Point (Amps)	Standard Thermal Trip	Poles	Shunt Trip Solenoid?		
A	106	Mechanical Room	Square D Type NQOD Panelboard 42 Space NEMA 1 ENCLOSURE		X	20"	6"	240/120 VAC SINGLE PHASE 3-WIRE	400			1	No	No			400	2	No		Main Circuit Breaker	22.5		
												1	No	No			50	2	No		1 (Condensing Units)	10.0		
												1	No	No			30	2	No		2 (Electric Water Heater)	10.0		
												2	No	No			20	1	No		3, 4 (HVAC Loads)	10.0		
												6	No	No			20	1	No		5-10 (Lighting Circuits)	10.0		
												12	No	No			20	1	No		11-23 (Convenience and General Circuits)	10.0		
												6	No	No			20	1	No		Spares	10.0		
												2	No	No			15	1	No		Spares	10.0		

REMARKS:



ELECTRIC RISER DIAGRAM NOTES:

- Underground electric service conductors provided and installed by Utility Company.
- Provide a 3" Schedule 80 PVC conduit for secondary electric service conductors. Verify conduit is approved by Utility Company.
- Provide a conduit expansion joint if required by Utility Company.
- Provide a 320 amp., 120/240 volt, single-phase, self-contained meter socket with bypass lever. Meter socket must be approved by Utility Company.
- Provide a 400 amp., 120/240 volt, single phase, 3-wire panelboard with a "main" circuit breaker. Refer to panelboard Schedule.
- Provide a #1/0 AWG bare copper grounding conductor.
- Provide two (2) grounding electrodes. Do not install in front of meter socket per Utility Company rules.
- Bond electric service to building metallic water piping system, building footing re-bars, etc. as required by NEC.
- Provide a conduit insulating bushing.



2 ELECTRICAL RISER DIAGRAM
E103 N.T.S.

1 FIRST FLOOR PLAN - POWER
E103 1/4" = 1'-0"



I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly registered professional under the laws of the State of Wisconsin.
WISCONSIN
Christopher C. Olson
DATE AUGUST 3, 2018
NUMBER E-2574
This drawing is and will remain the property of the Galileo Consulting Group, Inc. It is to be used only for the project and location specified on the drawing. It is not to be reproduced, stored in a retrieval system, or transmitted in any form or by any means, electronic, mechanical, photocopying, recording, or by any information storage and retrieval system, without the prior written consent of the drafter. It is strictly prohibited.

PRELIMINARY
NOT FOR CONSTRUCTION

PROJECT ALL ABILITIES TRANE PARK
PH. I - BUILDING + SITE IMPROVEMENTS
CITY OF LA CROSSE, WI

DATE August 3, 2018 PROJECT No 1410
DRAWN BY GALILEO
CHECKED BY COO
SHELTER POWER PLAN AND SCHEDULES

SHEET No

E103

riverARCHITECTS

740 7th Street North La Crosse, WI 54601-3308 Tel 608 785-2217