



LEE'S SUMMIT MEDICAL CENTER

FINAL DEVELOPMENT PLAN

LEE'S SUMMIT MEDICAL CENTER ICU EXPANSION 2100 SE BLUE PARKWAY LEE'S SUMMIT, MISSOURI 64063

RELEASED FOR
CONSTRUCTION
As Noted on Plans Review
Development Services Department
Lee's Summit, Missouri
03/29/2022



Samuel K. Beckman - Architect
License - Missouri WA-2011012130

ACI
BOLAND
ARCHITECTS

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PROJECT TEAM

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OWNER / DEVELOPER HCA MIDWEST HEALTH

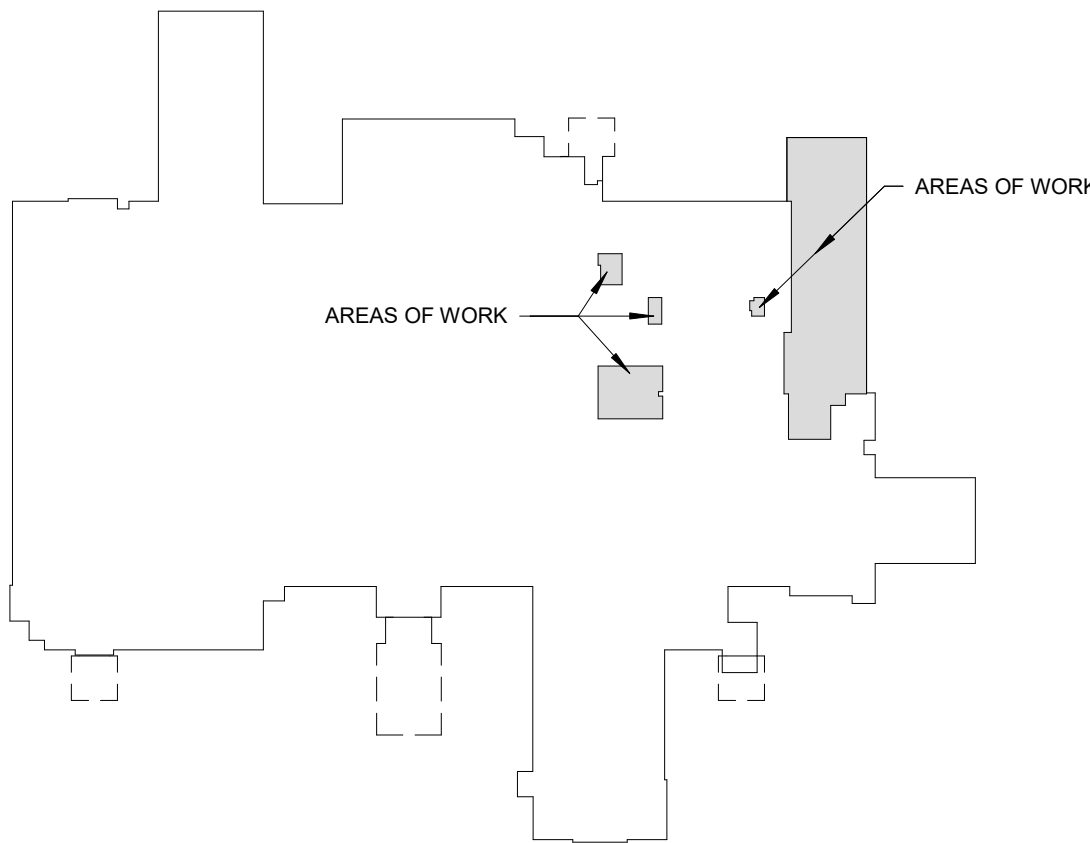
MIDWEST DIVISION - LSH, LLC
d/b/a LEE'S SUMMIT MEDICAL CENTER
2100 SE BLUE PARKWAY
LEE'S SUMMIT, MO 64063

PHONE 816.282.5018

ABBREVIATIONS

AC.	ACOUSTIC/ACOUSTICAL	FLOR.	FLUORESCENT	PTD.	PAINTED
ADD.	ADDENDUM	FTG.	FOOTING	PG.	PAGE
ADDN.	ADDITION	FND.	FOUNDATION	PLAM.	PLASTIC LAMINATE
ABC.	AGGREGATE BASE COURSE	FR.	FRAME	PR.	PAIR
AFF.	ABOVE FINISH FLOOR	F.H.C.	FIRE HOSE CAB.	PNL.	PANEL
AGG.	AGGREGATE	FV.	FIELD VERIFY	PTN.	PARTITION
ANC.	AIR CONDITIONING	GA.	GALVE	P.	PENNY
AL.	ALUMINUM	GL.	GLASS / GLAZING	PL.	PLATE
ALT.	ALTERNATE	GD.	GRADE	PLBG.	PLUMBING
A.B.	ANCHOR BOLT	GR.	GRASS	PLYWD.	PLYWOOD
&	AND	G.	GRILL	GRAM.	GRAM
ARCH.	ARCHITECT	GRL.	GRILLE	P.S.I.	POUNDS PER SQ. IN.
ASP.	ASPHALT	GRD.	GRID	P.S.F.	POUNDS PER SQ. FT.
@	AT	GND.	GROUND	P.C.	PRECAST
ACT.	ACOUSTIC CEILING TILE/PANEL	G.S.	GALVANIZED STEEL	P.C.	PRECAST
ANGLE	ANGLE	GYP.	GYPSUM	P.L.	PROPERTY LINE
AN.	ANGLE	GWB/G.B.	GYPSUM BOARD		
BLKG.	BLOCKING	H.R.	HAND RAIL	R.	RISER, RISERS
BSMT.	BASEMENT	HDN.	HARDENER	RAD.	RADIUS
BM.	BEAM	HDW.	HARDWARE	R.D.	ROOF DRAIN
B.M.	BENCHMARK	HDWD.	HARDWOOD	RB.	RESILIENT BASE
BOARD	BOARD	HTR.	HEATER	RE.	REFER TO
B.D.	BOTTOM OF	HT.	HEIGHT	REG.	REGISTER
BLDG.	BUILDING	H.P.	HIGH POINT	REQD.	REQUIRED
CABT.	CABINET	H.M.	HOLLOW METAL	REV.	REVISION
C.I.P.	CAST IN PLACE	HORIZ.	HORIZONTAL	RFG.	ROOFING
C.B.	CATCH BASIN	H.B.	HOSE BIB	RGL.	ROUGH
C.B.	CEILING	H.W.	HOT WATER	RM.	ROOM
CEM.	CEMENT/CEMENTITIOUS			RND.	ROUND
CG.	CENTIGRAM			R.O.	ROUGH OPENING
CM.	CENTIMETER	IN.	INCH / INCHES	SCHED.	SCHEDULE
CL.	CENTER LINE	INSUL.	INSULATION	S.C.	SEALED CONCRETE
CER.	CERAMIC	INT.	INTERIOR	SCR.	SCREW
C.T.	CERAMIC TILE	INV.	INVERT	SECT.	SECTION
CHAN.	CHANNEL	JAN.	JANITOR	SEL.	SELECT
CLR.	CLEAR	JT.	JOINT	SHG.	SHEATHING
C.O.	CLEAN OUT	JST.	JOIST	SHT.	SHEET
CLOS.	CLOSE	K.P.	KICK PLATE	SDG.	SIDING
COL.	COLUMN	LAM.	LAMINATED	SIM.	SIMILAR
CONC.	CONCRETE	LB.	POUND	SLDG.	SLIDING
CONN.	CONNECTION	LDG.	LANDING	SM.	SMOOTH
CONST.	CONSTRUCTION	LTH.	LATH	SPEC.	SPECIFICATION
C.J.	CONTROL JOINT	LAV.	LAVATORY	SQ.	SQUARE
CONT.	CONTINUOUS	LOC.	LOCATION	STD.	STANDARD
CONTR.	CONTRACTOR	L.O.	LENGTH	S.S. /	S.S. /
CORR.	CORRUGATED	LOC.	LOCATION	ST.	STAINLESS STEEL
CTR.	COUNTER	LT.	LIGHT	STRUC.	STRUCTURE
CTSJK.	COUNTERSUNK	L.W.C.	LIGHT WEIGHT CONCRETE	SUSP.	SUSPENDED
C.M.U.	CONCRETE MASONRY UNIT	LVR.	LOUVER	SW.	SWITCHBOARD
		LOC.	LOCATION	SW.	SWITCHBOARD
				SYS.	SYSTEM
D.P.	DAMP PROOFING	M.O.	MASONRY OPENING	T.	TREAD
DB.	DECIBEL	MATL.	MATERIAL	T.C.	TOP OF CURB
DIAG.	DIAGONAL	MFR.	MANUFACTURER	T.G.	TEMPERED GLASS
DIAM.	DIAMETER	MB.	MARKER BOARD	T.O.	TOP OF
DM.	DIMENSION	MECH.	MECHANICAL	T.S.D.	TOP OF STEEL DECK
DISP.	DISPENSER	MAX.	MAXIMUM	T.W.	TEACHERS WARDROBE
DWL.	DOWEL	MTL.	METAL	TYP.	TYPICAL
DN.	DOWN	M.L.	METAL LATH		
D.S.	DOWNSPOUT	M.	METER	U.O.N.	UNLESS OTHERWISE NOTED
DWG.	DRAWING	MIN.	MINIMUM	V.	VENT
EA.	EACH	MLDG.	MOLDING	VERT.	VERTICAL
ELEC.	ELECTRIC	MULL.	MULLION	V.G.	VERTICAL GRAIN
E.W.C.	ELECTRIC WATER COOLER	N.G.	NATURAL GRADE	VEST.	VESTIBULE
EL.	ELEVATION	NOM.	NOMINAL	V.C.T.	VINYL COMPOSITION TILE
ELEV.	ELEVATOR	N.L.C.	NOT IN CONTRACT	VCP.	VITREOUS CLAY PIPE
EQ.	EQUAL	N.T.S.	NOT TO SCALE		
EQUIP.	EQUIPMENT	NO. / #	NUMBER	W.W.M.	WELDED WIRE MESH
EXH.	EXHAUST			W.C.	WATER CLOSET
EXPAN.	EXPANSION	Obs.	OBSOLETE	W.H.	WATER HEATER
EXPJ.	EXPANSION JOINT	O.C.	ON CENTER	W.F.	WIDE FLANGE
EXST.	EXISTING	OPNG.	OPENING	WI.	WITH
EXT.	EXTERIOR	O.A.	OVERALL	W/O.	WITHOUT
		O.D.	OUTSIDE DIAMETER	WD.	WOOD
FT.	FEET / FOOT	O.F.S.	OVERFLOW SCUPPER	WDW.	WINDOW
FIN.	FINISH	O.F.D.	OVERFLOW DRAIN	W.W.	WINDOW WALL
FL.	FLASHING	O.H.D.	OVERHEAD DOOR		
FUR.	FLOOR				
F.D.	FLOOR DRAIN				

LOCATION PLAN



FIRST FLOOR KEY PLAN
1" = 100'-0"

GENERAL NOTES

- ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH A.D.A. REQUIREMENTS AND ALL APPLICABLE LOCAL, STATE, AND FEDERAL BUILDING CODES AND REGULATIONS.
- THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL NECESSARY BUILDING PERMITS.
- THE GENERAL CONTRACTOR AND SUBCONTRACTORS SHALL FIELD VERIFY EXISTING CONDITIONS AND NOTIFY THE ARCHITECT OF ANY INCONSISTENCIES OR DISCREPANCIES WITH THE PROJECT DOCUMENTS. ACCESS TO THE SITE AND/OR SPACE UNDER CONSTRUCTION DURING BIDDING AND CONSTRUCTION SHALL BE COORDINATED WITH THE OWNER.
- DO NOT SCALE DRAWINGS.
- THE WORD "ALIGN" AND "EQUAL" AS USED IN THESE DOCUMENTS SHALL SUPERSEDE ANY DIMENSIONAL INFORMATION GIVEN.
- TYPICAL DIMENSIONS ARE TO FACE OF CONCRETE, GYPSUM BOARD, CURTAINWALL, ETC. OR TO COLUMN CENTERLINE. DIMENSIONS AT WINDOWS ARE TYPICALLY TO FACE OF FRAME. REFER TO PLAN DETAILS FOR ADDITIONAL INFORMATION.
- THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR EXAMINING AND CONFIRMING ALL SUBSTRATE CONDITIONS WHERE NEW MATERIALS ARE APPLIED. THE SUBSTRATE SHALL BE SMOOTH AND FREE OF DEFECTS AND SHALL CONFORM TO THE REQUIREMENTS OF THE FINISHED MATERIAL MANUFACTURERS RECOMMENDATIONS.
- THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR CLEAN-UP.
- THE GENERAL CONTRACTOR SHALL INSPECT AND CHECK THE ADEQUACY OF INSTALLATION OF THRU-WALL FLASHING PRIOR TO COVERING WITH FINISH MATERIALS. THIS SHALL INCLUDE, BUT IS NOT LIMITED TO INSPECTION AGAINST HOLES OR PENETRATIONS, APPROPRIATE LAPPING AND SEALING, AND OVERALL WORKMANSHIP IN CONFORMANCE WITH THE SPECIFICATIONS.

SHEET INDEX - FDP

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A0.2	
CIVIL	
C1.0	DEMOLITION PLAN
C1.0	GRAIN QUALITY PLAN
C3.0	DRAINAGE MAP AND CALCULATIONS
C4.0	STORM PLANT & PROFILES
C5.0	CONSTRUCTION DETAILS
C6.0	STORM SEWER DETAILS
C7.0	EROSION CONTROL DETAILS
C8.0	EROSION CONTROL DETAILS
ARCHITECTURE	
A2.1	FIRST FLOOR DIMENSION PLAN
A2.2	FIRST FLOOR ANNOTATION PLAN
A2.5	ROOF PLAN AND DETAILS
A5.1	EXTERIOR ELEVATIONS

UTILITY CONTACTS

Sanitary Sewers	Mr. Jeff Thorn, PE City of Lee's Summit Water Utilities 1200 SE Hamblen Road Lee's Summit, MO 64063 (816) 969-1922 email: jeff.thorn@cityofLS.net	Gas	Mr. Donnie Richards Missouri Gas Energy 7500 E 35th Terrace Kansas City, MO 64129 (816) 472-9454 Fax (816) 472-3488 email: donnie.richards@sug.com
Water	Mr. John Flathers Little Blue Valley Sewer District 21208 E Old Atherton Road Independence, MO 64058 (816) 769-7660 email: flathers@lbvssd.org	Cable Television	Mr. Greg Thomas Time Warner Cable 8221 W 119th Street Overland Park, KS 66213 (913) 643-1950 email: greg.thomas@twcable.com
Electric Service	Mr. Nathan Michael Kansas City Power & Light P.O. Box 418679 Kansas City, MO 64141 (816) 220-5210 Fax (816) 245-3623 email: Nathan.Michael@kcpl.com	Telephone	Ms. Glenda Charles AT&T 1425 Oak Street Kansas City, MO 64106 (816) 365-1669 Fax (816) 275-1109 email: gc6954@att.com

Missouri One Call System 1-800-344-7483 (DIG-RITE)

LEE'S SUMMIT MEDICAL CENTER -
ICU EXPANSION
2100 SE BLUE PARKWAY
LEE'S SUMMIT, MISSOURI 64063

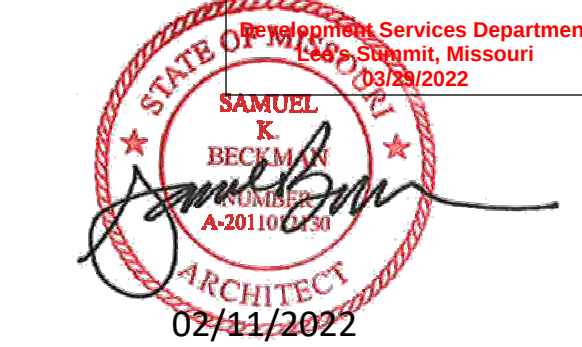
Date 01/14/2022
Job Number 3-21112
Drawn By Author
Checked By Checker

Number	Date	Description
2	2/11/22	CITY COMMENTS
4	3/2/22	CITY COMMENTS
6	3/22/22	FDP COMMENTS

Revision

Number	Date	Description
2	2/11/22	CITY COMMENTS
4	3/2/22	CITY COMMENTS
6	3/22/22	FDP COMMENTS

A0.0
© 2021 ACI/BOLAND, Inc.
FDP COVER



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**LEE'S SUMMIT MEDICAL CENTER -
ICU EXPANSION**
**2100 SE BLUE PARKWAY
LEE'S SUMMIT, MISSOURI 64063**

Date 01/14/2022
Job Number 3-21112
Drawn By HG
Checked By Checker

Revision
Number Date Description
2 2/11/22 CITY COMMENTS

A0.2
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CODE FOOTPRINT PLAN

CODE SUMMARY

Project Construction Purpose: ICU EXPANSION

Owner Information
LEE'S SUMMIT MEDICAL CENTER
2100 SE BLUE PARKWAY
LEE'S SUMMIT, MISSOURI 64063
Phone: 816-282-5000

Designer Information
ACI Boland Architects
1710 Wyandotte St.
Kansas City, MO 64108
Phone: (816) 763-9600

Code Information
2015 International Building Code
2015 International Plumbing Code
2015 International Mechanical Code
2017 National Electrical Code (NFPA 70)
2015 International Fire Code
2012 Life Safety Code (NFPA 101)
2010 ADA Standards for Accessible Design / Americans with Disabilities Act of 1990
2009 ICC/ANSI A117.1

Note: If code requirements overlap, the most stringent shall apply. Building was originally designed to 2003 International Building Code.

Local Authority
Reasoning Fire Service: Lee's Summit Fire Department
Local Building Inspection: Lee's Summit MO - Codes Administration Department

Area of Addition
5,955 +/- SF

Area of Renovation
2,418 +/- SF

Occupancy Group: I-2 - Section 308.3

Occupant Load:
Sleeping Area: 120 SF / occupant
Treatment Area: 100 SF / occupant
Business Area: 150 SF / occupant
Total Number of Occupants = 59

Type of Construction: Type 1B - (NFPA 222)

Required Fire Resistance Ratings (in hours)
Per NFPA 101 A.8.2.1.2:

Exterior Bearing Walls	2 HR
Interior Bearing Walls	2 HR
Primary Structural Frame	2 HR
Floor Construction	2 HR
Roof Construction	1 HR
Interior non-bearing walls	0 HR

Active Fire Safety Features:
- Fire Alarm System - The fire alarm system is specified as an addressable type system. The device type and locations are per the applicable codes as well as ADA requirements.

- Smoke Control System - All ductwork penetrating smoke rated walls will have a smoke or combination fire/smoke damper as indicated on construction documents. These dampers will close upon detection of smoke by the area smoke detectors or duct smoke detectors in the air handling units.

- Fire Sprinkler System - Specified to be per NFPA 13.

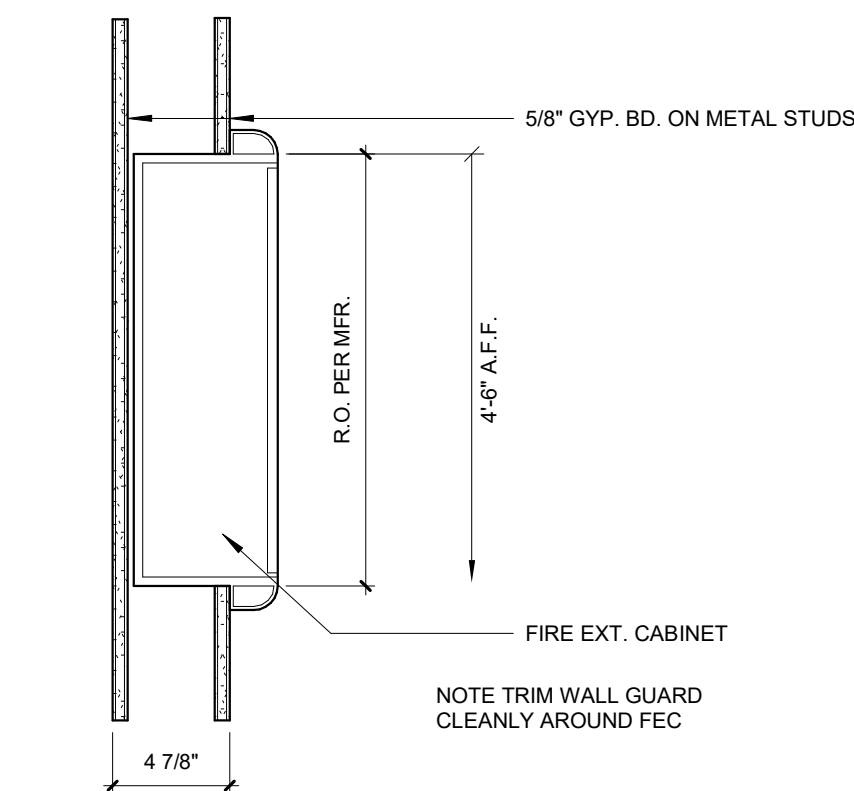
The sprinkler heads are specified to be quick response type.

- Emergency Lighting and Power - Emergency lighting, life safety and critical loads will receive power from a backup generator located outside the main electrical room.

- Illuminated Exit Signs

Passive Fire Safety Features:

- Smoke Compartments no greater than 22,500 SF



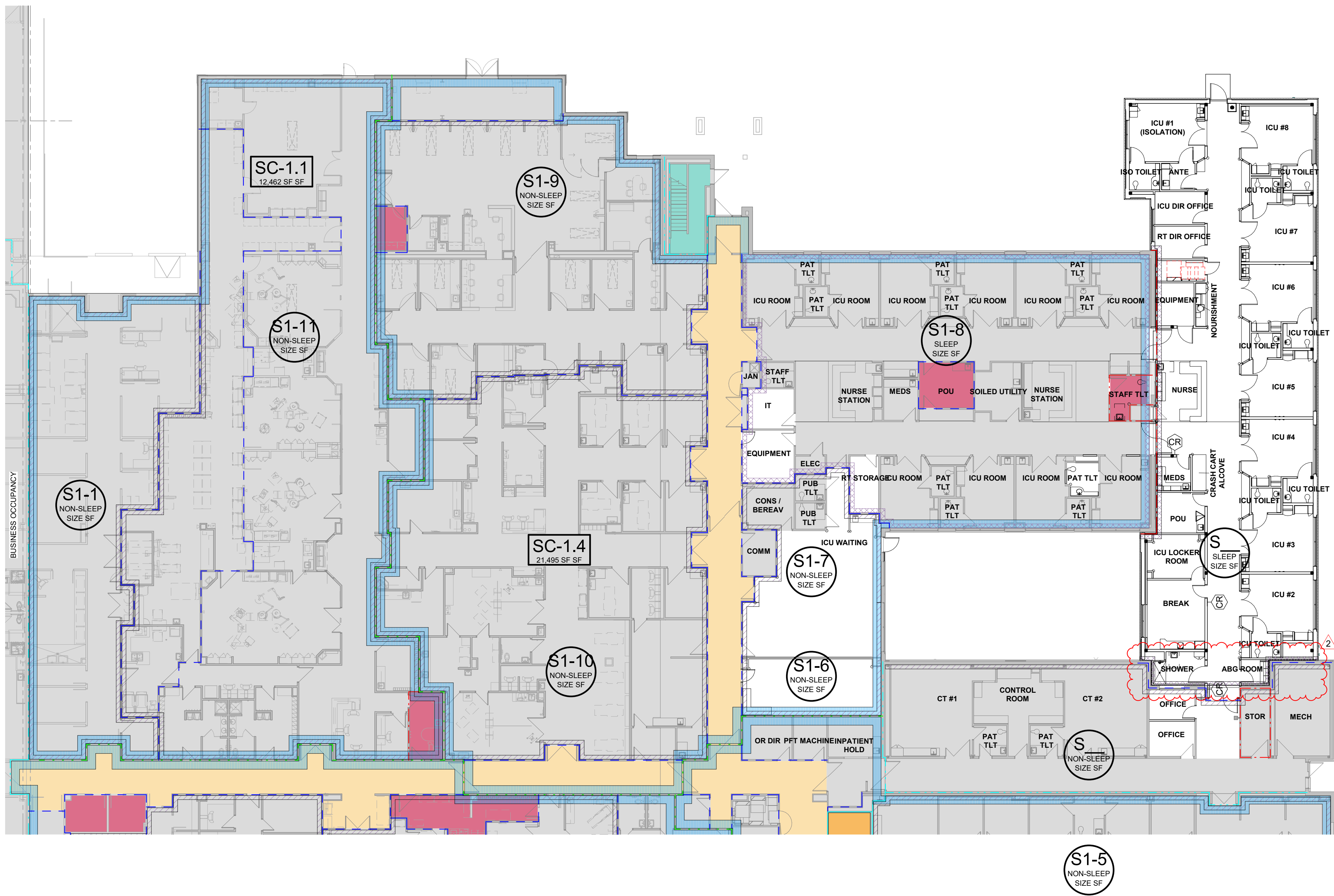
E2 F.E.C SECTION, NON-RATED WALL CONDITION
1 1/2\"/>

PLANNING SUMMARY

Existing Zoning: CP-2				
Required Parking				
Existing Hospital	80 Beds	1.8/spaces/bed	144	
Existing MOB	66,296 SF	5 spaces/1000SF	331	
New MOB	66,503 SF	5 spaces/1000SF	293	
ICU Addition	8 Beds	1.8/spaces/bed	14	
			Total	772
Provided Parking				
Existing Parking	Standard	ADA	Total	778
Demolished in this project	753	25		778
	(6)			4
				772
Building Data				
	SF	FAR		
Existing Hospital	114,208	12		
Existing MOB	66,296	05		
New MOB	66,503	05		
ICU Addition	5,955	004		
Total	282,760	224		
Impermeous Surface Area				
	Acres	SF	%	
Existing	10.70	468,148.77	37.42	
Added	0.10	5,955	.002	
Total	10.80	472,103.77	37.44	

CODE FOOTPRINT LEGEND

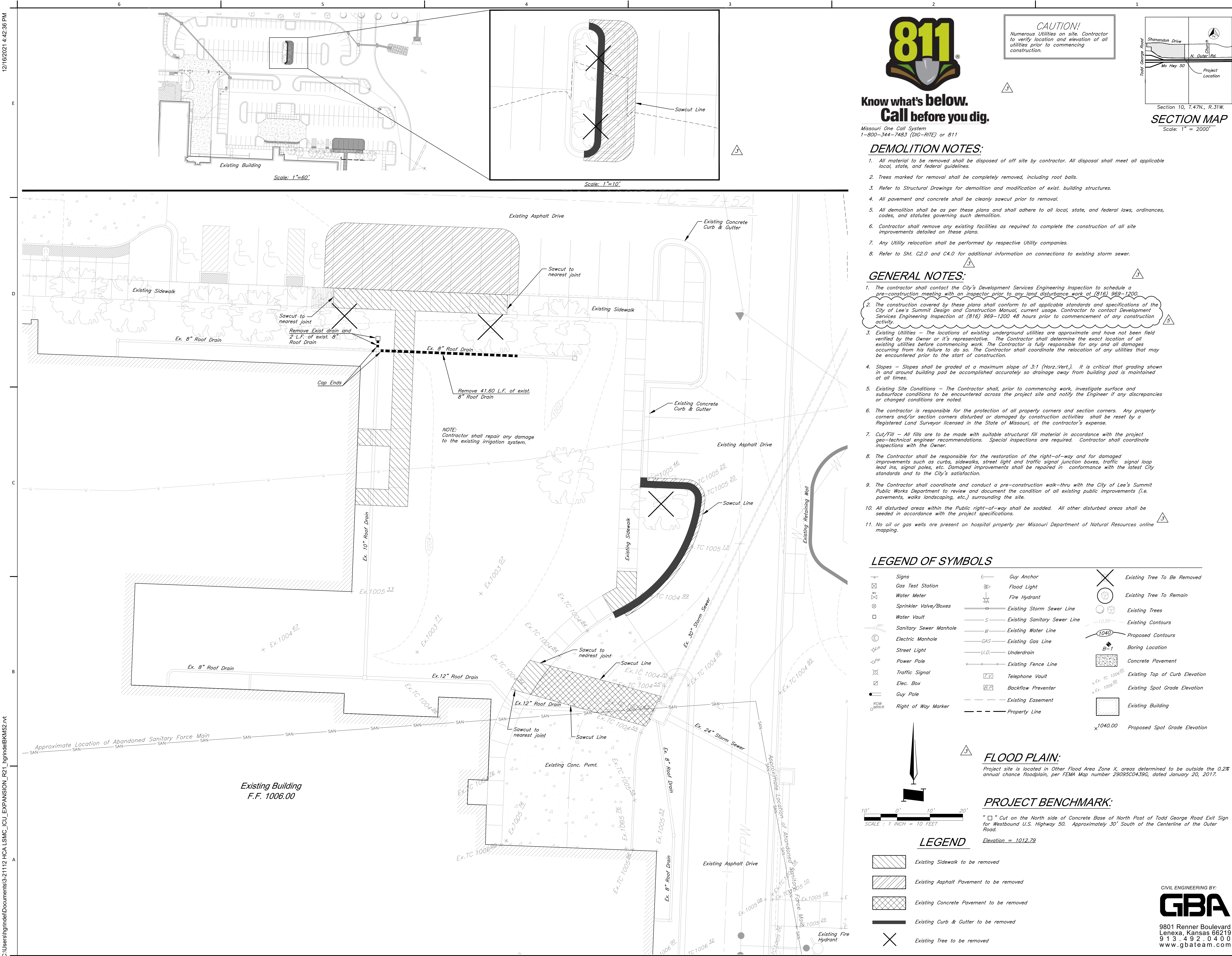
- PARTITION TYPES**
- 0 HR SMOKE PARTITION (SMOKE RESISTIVE)
 - 1 HR SMOKE BARRIER
 - 1 HR FIRE BARRIER
 - 2 HR FIRE BARRIER
 - 2 HR FIRE SMOKE BARRIER
 - 3 HR FIRE BARRIER
- AREA DESIGNATIONS**
- CORRIDOR
 - HAZARDOUS ROOM
 - EXIT ENCLOSURE
 - SHAFT
- BOUNDARY DESIGNATIONS**
- SMOKE COMPARTMENT
1 HR SMOKE BARRIER
 - SUITE - SLEEPING
0 HR SMOKE PARTITION (SMOKE RESISTIVE)
 - SUITE - NON SLEEPING
0 HR SMOKE PARTITION (SMOKE RESISTIVE)
 - NOT IN ARCHITECTURAL SCOPE
- SYMBOLS**
- SC-1
SIZE SF
SMOKE COMPARTMENT DESIGNATION
 - S1
NON-SLEEP
SIZE SF
SUITE DESIGNATION
 - 50
SIZE SF
FIRE EXIT
 - 124
SIZE SF
OCCUPANT LOAD
 - 124
SIZE SF
EXIT WIDTH PROVIDED
 - 124
SIZE SF
EXIT WIDTH REQUIRED
 - NEW FIRE EXTINGUISHER CABINET
 - EXISTING FIRE EXTINGUISHER CABINET
 - EXIT SIGN
 - FIRE DOOR RATING
 - TRAVEL DISTANCE
 - FIRE/SMOKE DAMPER
 - SMOKE DETECTOR
 - HEAT DETECTOR
 - STROBE
 - STROBE/SPEAKER
 - HORN/STROBE
 - HORN
 - FIRE PULL STATION
 - FIRE SPRINKLER ZONE VALVE



A1 FIRST FLOOR CODE PLAN
1/16\"/>



***THIS DRAWING IS INTENDED TO BE PRINTED IN COLOR. USE BLACK AND WHITE COPIES AT YOUR OWN RISK.**



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Call before you dig.

Missouri One Call System
1-800-344-7483 (DIG-RITE) or 811

DEMOLITION NOTES:

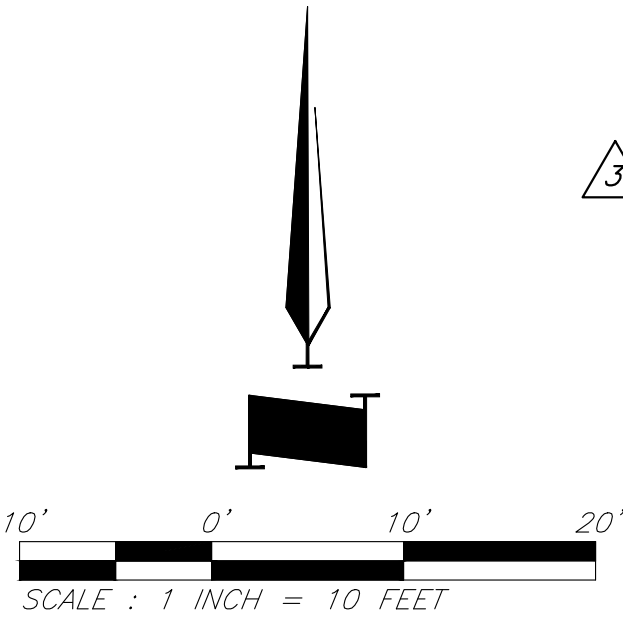
1. All material to be removed shall be disposed of off site by contractor. All disposal shall meet all applicable local, state, and federal guidelines.
2. Trees marked for removal shall be completely removed, including root balls.
3. Refer to Structural Drawings for demolition and modification of exist. building structures.
4. All pavement and concrete shall be cleanly sawcut prior to removal.
5. All demolition shall be as per these plans and shall adhere to all local, state, and federal laws, ordinances, codes, and statutes governing such demolition.
6. Contractor shall remove any existing facilities as required to complete the construction of all site improvements detailed on these plans.
7. Any Utility relocation shall be performed by respective Utility companies.
8. Refer to Sht. C2.0 and C4.0 for additional information on connections to existing storm sewer.

GENERAL NOTES:

1. The contractor shall contact the City's Development Services Engineering Inspection to schedule a pre-construction meeting with an inspector prior to any land disturbance work of (816) 969-1200.
2. The construction covered by these plans shall conform to all applicable standards and specifications of the City of Lee's Summit Design and Construction Manual, current usage. Contractor to contact Development Services Engineering Inspection at (816) 969-1200 48 hours prior to commencement of any construction activity.
3. Existing Utilities - The locations of existing underground utilities are approximate and have not been field verified by the Owner or it's representative. The Contractor shall determine the exact location of all existing utilities before commencing work. The Contractor is fully responsible for any and all damages occurring from his failure to do so. The Contractor shall coordinate the relocation of any utilities that may be encountered prior to the start of construction.
4. Slopes - Slopes shall be graded at a maximum slope of 3:1 (Horz:Vert.). It is critical that grading shown in and around building pad be accomplished accurately so drainage away from building pad is maintained at all times.
5. Existing Site Conditions - The Contractor shall, prior to commencing work, investigate surface and subsurface conditions to be encountered across the project site and notify the Engineer if any discrepancies or changed conditions are noted.
6. The contractor is responsible for the protection of all property corners and section corners. Any property corners and/or section corners disturbed or damaged by construction activities shall be reset by a Registered Land Surveyor licensed in the State of Missouri, at the contractor's expense.
7. Cut/Fill - All fills are to be made with suitable structural fill material in accordance with the project geo-technical engineer recommendations. Special inspections are required. Contractor shall coordinate inspections with the Owner.
8. The Contractor shall be responsible for the restoration of the right-of-way and for damaged improvements such as curbs, sidewalks, street light and traffic signal junction boxes, traffic signal loop lead ins, signal poles, etc. Damaged improvements shall be repaired in conformance with the latest City standards and to the City's satisfaction.
9. The Contractor shall coordinate and conduct a pre-construction walk-thru with the City of Lee's Summit Public Works Department to review and document the condition of all existing public improvements (i.e. pavements, walks landscaping, etc.) surrounding the site.
10. All disturbed areas within the Public right-of-way shall be sodded. All other disturbed areas shall be seeded in accordance with the project specifications.
11. No oil or gas wells are present on hospital property per Missouri Department of Natural Resources online mapping.

LEGEND OF SYMBOLS

Signs	Guy Anchor	Existing Tree To Be Removed
Gas Test Station	Flood Light	Existing Tree To Remain
Water Meter	Fire Hydrant	Existing Trees
Sprinkler Valve/Boxes	Existing Storm Sewer Line	Existing Contours
Water Vault	Existing Sanitary Sewer Line	Proposed Contours
Sanitary Sewer Manhole	Existing Water Line	Boring Location
Electric Manhole	Existing Gas Line	Concrete Pavement
Street Light	Underdrain	Existing Top of Curb Elevation
Power Pole	Existing Fence Line	Existing Spot Grade Elevation
Traffic Signal	Telephone Vault	Existing Building
Elec. Box	Backflow Preventer	Proposed Spot Grade Elevation
Guy Pole	Existing Easement	
Right of Way Marker	Property Line	



LEGEND

- Existing Sidewalk to be removed
- Existing Asphalt Pavement to be removed
- Existing Concrete Pavement to be removed
- Existing Curb & Gutter to be removed
- Existing Tree to be removed

FLOOD PLAIN:

Project site is located in Other Flood Area Zone X, areas determined to be outside the 0.2% annual chance floodplain, per FEMA Map number 29095C04396, dated January 20, 2017.

PROJECT BENCHMARK:

" " Cut on the North side of Concrete Base of North Post of Todd George Road Exit Sign for Westbound U.S. Highway 50. Approximately 30' South of the Centerline of the Outer Road.
Elevation = 1012.79

CIVIL ENGINEERING BY:

GBA
9801 Renner Boulevard
Lenexa, Kansas 66219
913.492.0400
www.gbateam.com

RELEASED FOR CONSTRUCTION
As Noted on Plans Review

Development Services Department
Lee's Summit, Missouri
11/17/2022

CLINT LOUMASTER
NUMBER
PE-100951
3/2/22
REGISTERED PROFESSIONAL ENGINEER

Clint Loumaster - Civil Engineer
License - Missouri #PE-201100951

ACI BOLAND ARCHITECTS

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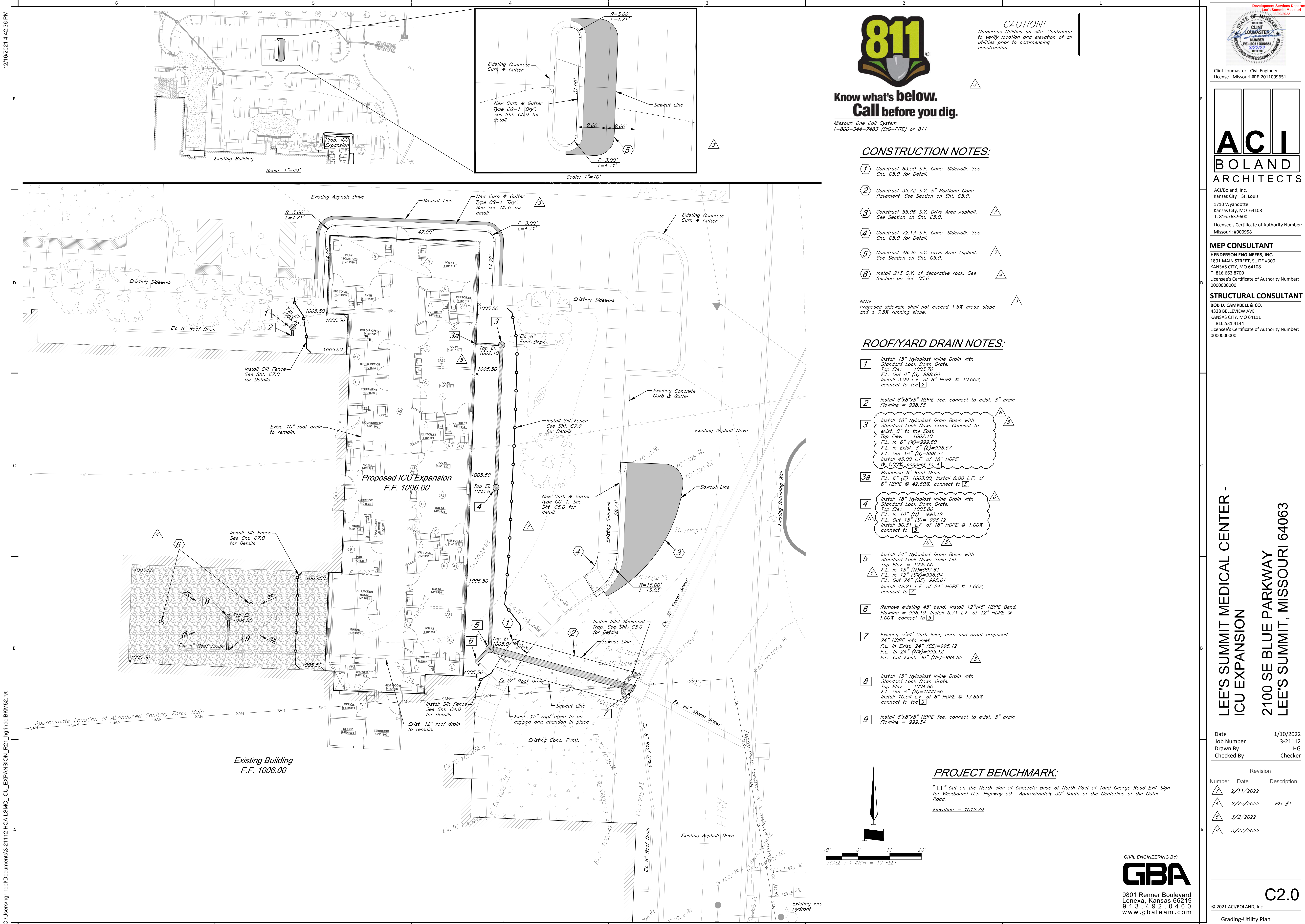
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Number Date Description
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5 3/2/2022

CIVIL ENGINEERING BY:
GBA
9801 Renner Boulevard
Lenexa, Kansas 66219
913.492.0400
www.gbateam.com

C1.0

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Demolition Plan



CAUTION!
Numerous Utilities on site. Contractor
to verify location and elevation of all
utilities prior to commencing
construction.

**Know what's below.
Call before you dig.**

Missouri One Call System
1-800-344-7483 (DIG-RITE) or 811

CONSTRUCTION NOTES:

- Construct 63.50 S.F. Conc. Sidewalk. See Sht. C5.0 for Detail.
- Construct 39.72 S.Y. 8" Portland Conc. Pavement. See Section on Sht. C5.0.
- Construct 55.96 S.Y. Drive Area Asphalt. See Section on Sht. C5.0.
- Construct 72.13 S.F. Conc. Sidewalk. See Sht. C5.0 for Detail.
- Construct 48.36 S.Y. Drive Area Asphalt. See Section on Sht. C5.0.
- Install 213 S.Y. of decorative rack. See Section on Sht. C5.0.

NOTE:
Proposed sidewalk shall not exceed 1.5% cross-slope
and a 7.5% running slope.

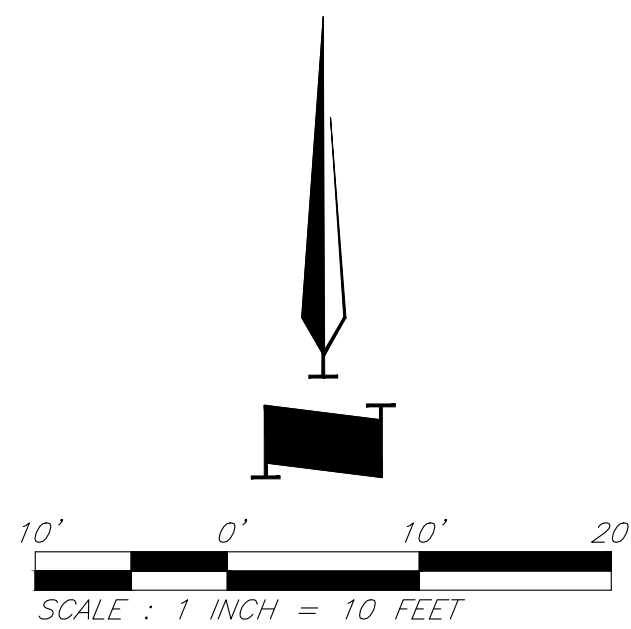
ROOF/YARD DRAIN NOTES:

- Install 15" Nyloplast Inline Drain with Standard Lock Down Grate.
Top Elev. = 1003.70
F.L. Out 8" (S)=998.68
Install 3.00 L.F. of 8" HDPE @ 10.00%, connect to tee [2]
- Install 8"x8"x8" HDPE Tee, connect to exist. 8" drain
Flowline = 998.38
- Install 18" Nyloplast Drain Basin with Standard Lock Down Grate. Connect to exist. 8" to the East.
Top Elev. = 1002.10
F.L. In 6" (W)=999.60
F.L. In Exist. 8" (E)=998.57
F.L. Out 18" (S)=998.57
Install 45.00 L.F. of 18" HDPE @ 1.00%, connect to [4]
- Proposed 6" Roof Drain.
F.L. 6" (E)=1003.00, Install 8.00 L.F. of 6" HDPE @ 42.50%, connect to [3]
- Install 18" Nyloplast Inline Drain with Standard Lock Down Grate.
Top Elev. = 1003.80
F.L. In 18" (N)=998.12
F.L. Out 18" (S)=998.12
Install 50.81 L.F. of 18" HDPE @ 1.00%, connect to [5]
- Install 24" Nyloplast Drain Basin with Standard Lock Down Solid Lid.
Top Elev. = 1005.00
F.L. In 18" (N)=997.61
F.L. In 12" (SW)=996.04
F.L. Out 24" (SE)=995.61
Install 49.21 L.F. of 24" HDPE @ 1.00%, connect to [7]
- Remove existing 45' bend. Install 12"x45' HDPE Bend.
Flowline = 998.10, Install 5.71 L.F. of 12" HDPE @ 1.00%, connect to [5]
- Existing 5'x4' Curb Inlet, core and grout proposed 24" HDPE into inlet.
F.L. In Exist. 24" (SE)=995.12
F.L. In 24" (NW)=995.12
F.L. Out Exist. 30" (NE)=994.62
- Install 15" Nyloplast Inline Drain with Standard Lock Down Grate.
Top Elev. = 1004.80
F.L. Out 8" (S)=1000.80
Install 10.54 L.F. of 8" HDPE @ 13.85%, connect to tee [9]
- Install 8"x8"x8" HDPE Tee, connect to exist. 8" drain
Flowline = 999.34

PROJECT BENCHMARK:

"□" Cut on the North side of Concrete Base of North Post of Todd George Road Exit Sign for Westbound U.S. Highway 50. Approximately 30' South of the Centerline of the Outer Road.

Elevation = 1012.79



CIVIL ENGINEERING BY:



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RELEASED FOR CONSTRUCTION
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Development Services Department
Lee's Summit, Missouri
11/17/2022

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LEE'S SUMMIT MEDICAL CENTER -
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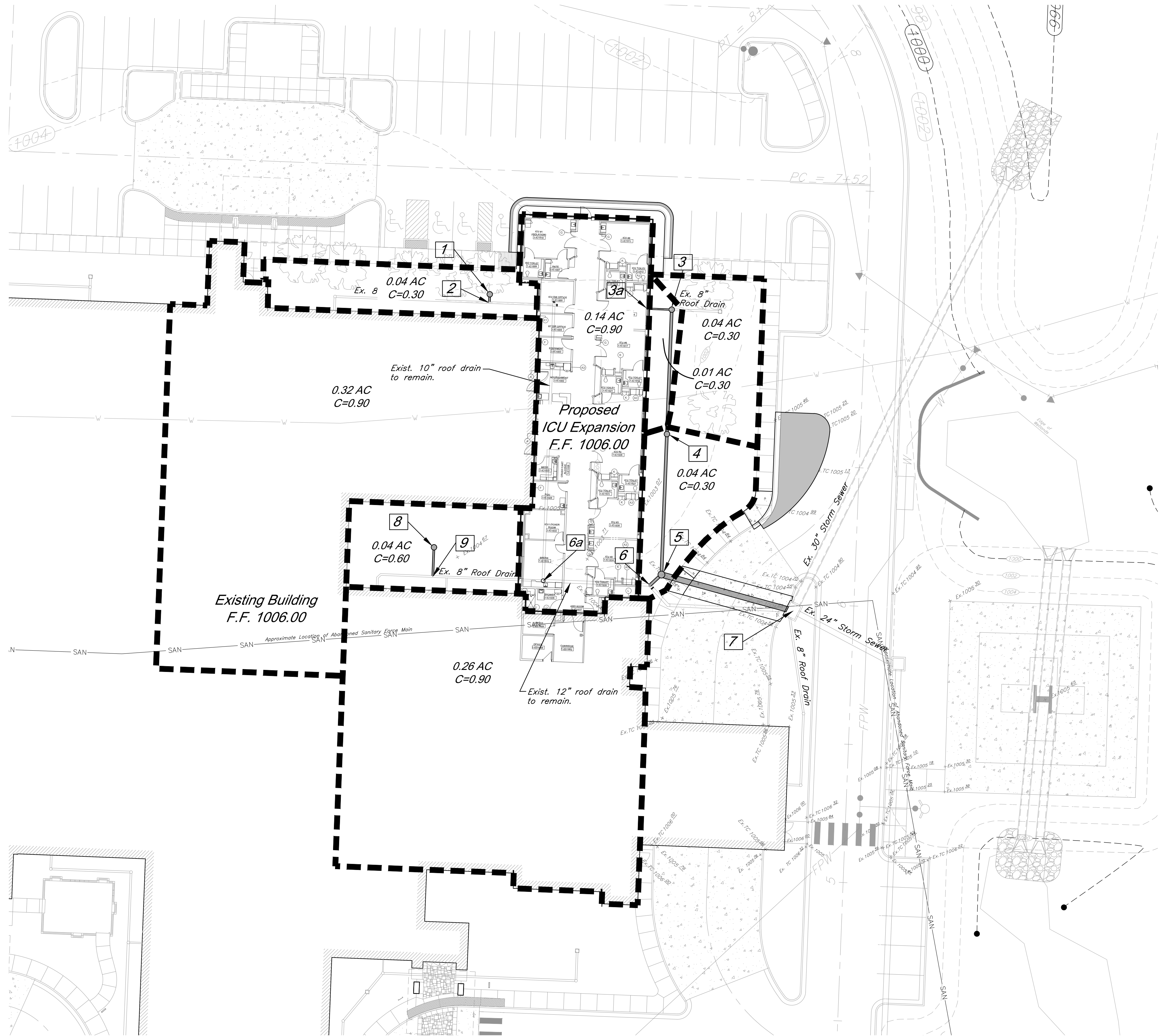
Date 1/10/2022
Job Number 3-21112
Drawn By HG
Checked By Checker

Revision		
Number	Date	Description
3	2/11/2022	
4	2/25/2022	RFI #1
5	3/2/2022	
6	3/22/2022	

C2.0

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Grading-Utility Plan

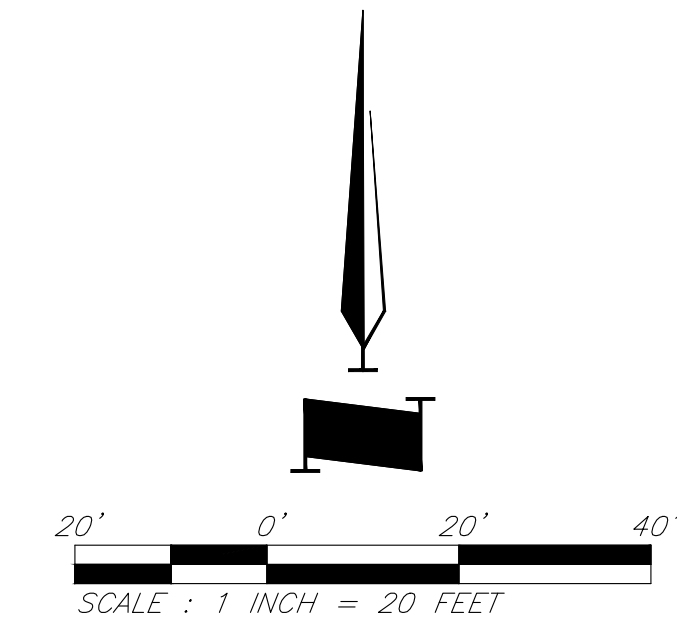


CAUTION!
Numerous Utilities on site. Contractor to verify location and elevation of all utilities prior to commencing construction.

LEGEND
----- Proposed Drainage Boundary

10 Year Storm																			
Structures		Runoff Calculations										Pipe Design							
From	To	Direct Area (acre)	Line In (acre)	Total Area (acre)	C	K	Tc (min)	Flow Time (min)	Intensity (in/hr)	Design Q (cfs)	Description	Pipe length (lin ft)	Pipe Slope Slope, %	Pipe dia (in)	Manning's n Value	Q full (cfs)	Pipe Area, sf	V full fps	Design V fps
3->7	3	0.01	0.18	0.19	0.30	1.00	5.00	0.26	7.35	0.0	Nyloplast Grate Inlet	45.00	1.00	18	0.013	10.53	1.77	5.96	2.86
	4	0.04	0.19	0.23	0.30	1.00	5.00	0.28	7.35	0.1	RCP	50.81	1.00	18	0.013	10.53	1.77	5.96	3.05
	5	0.00	0.66	0.66	0.30	1.00	5.00	0.28	7.35	0.0	Nyloplast w/ Solid Lid	49.21	1.00	24	0.013	22.68	3.14	7.22	2.94
	7			0.89	0.08	1.00	5.54	0.28	7.19	0.5	RCP								
1->2	1	0.04		0.04	0.30	1.00	5.00	0.01	7.35	0.1	Nyloplast Grate Inlet	3.00	10.00	8	0.013	3.83	0.35	10.98	4.70
	2			0.04	0.30	1.00	5.00		7.35	0.1	RCP								
8->9	8	0.04		0.04	0.60	1.00	5.00	0.03	7.35	0.2	Nyloplast Grate Inlet	10.54	13.85	8	0.013	4.51	0.35	12.92	6.46
	9			0.04	0.60	1.00	5.00		7.35	0.2	RCP								

100 Year Storm																			
Structures		Runoff Calculations										Pipe Design							
From	To	Direct Area (acre)	Line In (acre)	Total Area (acre)	C	K	Tc (min)	Flow Time (min)	Intensity (in/hr)	Design Q (cfs)	Description	Pipe length (lin ft)	Pipe Slope Slope, %	Pipe dia (in)	Manning's n Value	Q full (cfs)	Pipe Area, sf	V full fps	Design V fps
3->7	3	0.01	0.18	0.19	0.30	1.25	5.00	0.18	10.32	0.0	Nyloplast Grate Inlet	45.00	1.00	18	0.013	10.53	1.77	5.96	4.06
	4	0.04	0.19	0.23	0.30	1.25	5.00	0.19	10.32	0.2	RCP	50.81	1.00	18	0.013	10.53	1.77	5.96	4.37
	5	0.00	0.66	0.66	0.30	1.25	5.00	0.19	10.32	0.0	Nyloplast w/ Solid Lid	49.21	1.00	24	0.013	22.68	3.14	7.22	4.21
	7			0.89	0.08	1.25	5.38	0.19	10.17	0.9	RCP								
1->2	1	0.04		0.04	0.30	1.25	5.00	0.01	10.32	0.2	Nyloplast Grate Inlet	3.00	10.00	8	0.013	3.83	0.35	10.98	6.95
	2			0.04	0.30	1.25	5.00		10.32	0.2	RCP								
8->9	8	0.04		0.04	0.60	1.25	5.00	0.02	10.32	0.3	Nyloplast Grate Inlet	10.54	13.85	8	0.013	4.51	0.35	12.92	8.79
	9			0.04	0.60	1.25	5.00		10.32	0.3	RCP								



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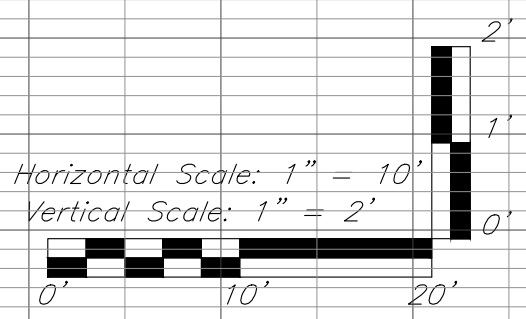
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LEE'S SUMMIT MEDICAL CENTER -
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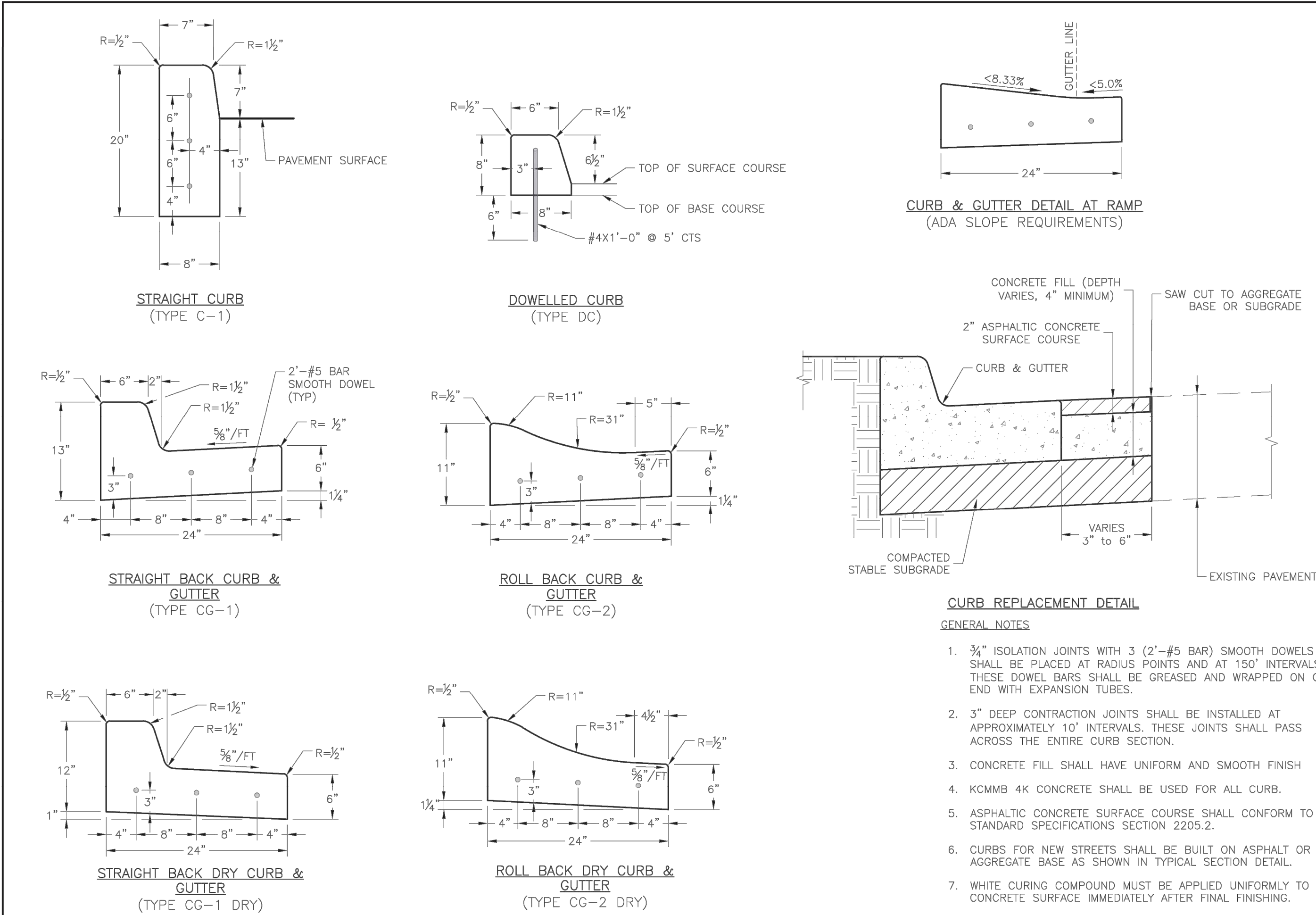
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5



Storm Plan & Profiles

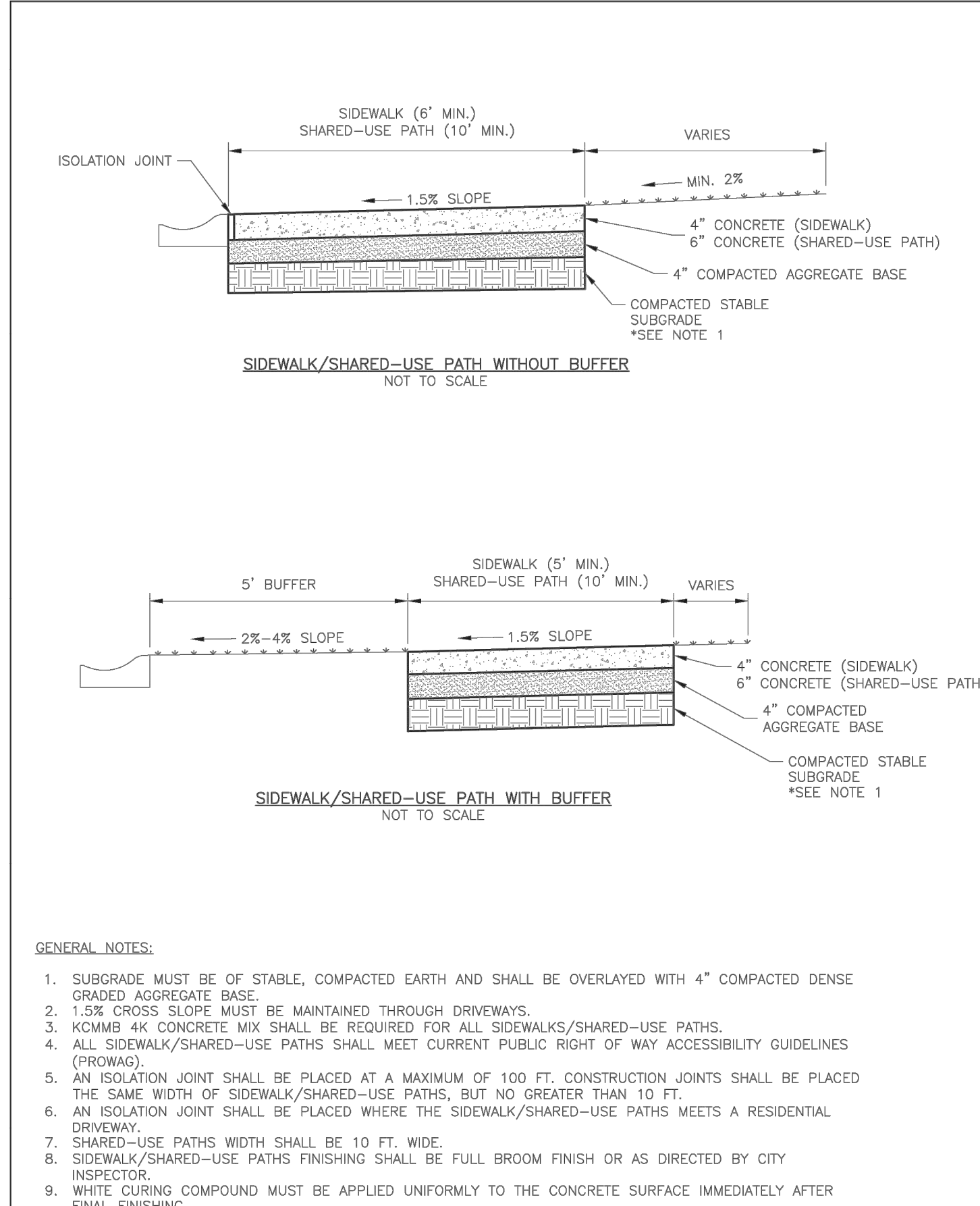


LEE'S SUMMIT MISSOURI

STANDARD DETAILS
CITY OF LEE'S SUMMIT, MO
LEE'S SUMMIT, JACKSON COUNTY, MO

Drawn By: MIF
Checked By: DL
Date: 05/2021
Rev: 0

GEN-4



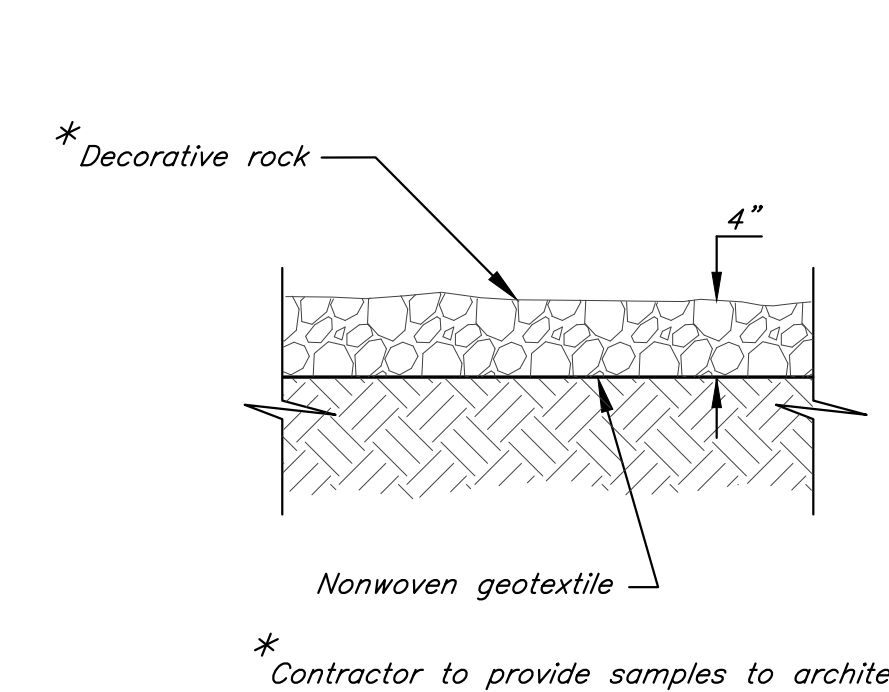
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SIDEWALK/SHARED-USE PATH DETAIL

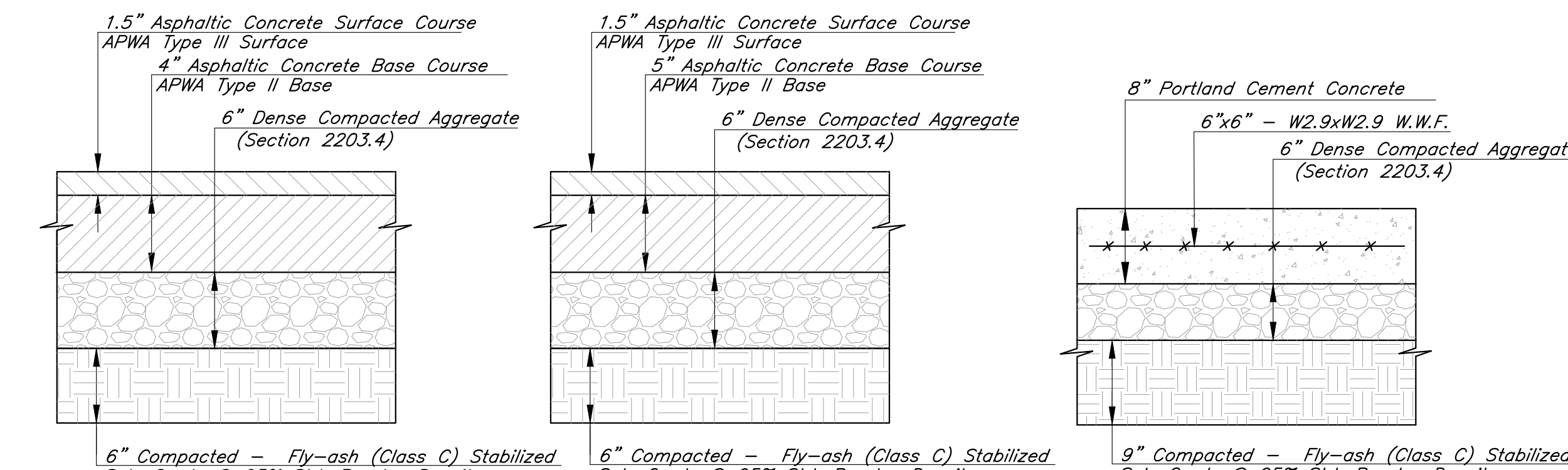
Date: 05/2021
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Checked By: DL

GEN-2



COURTYARD GRAVEL SECTION

Not to Scale

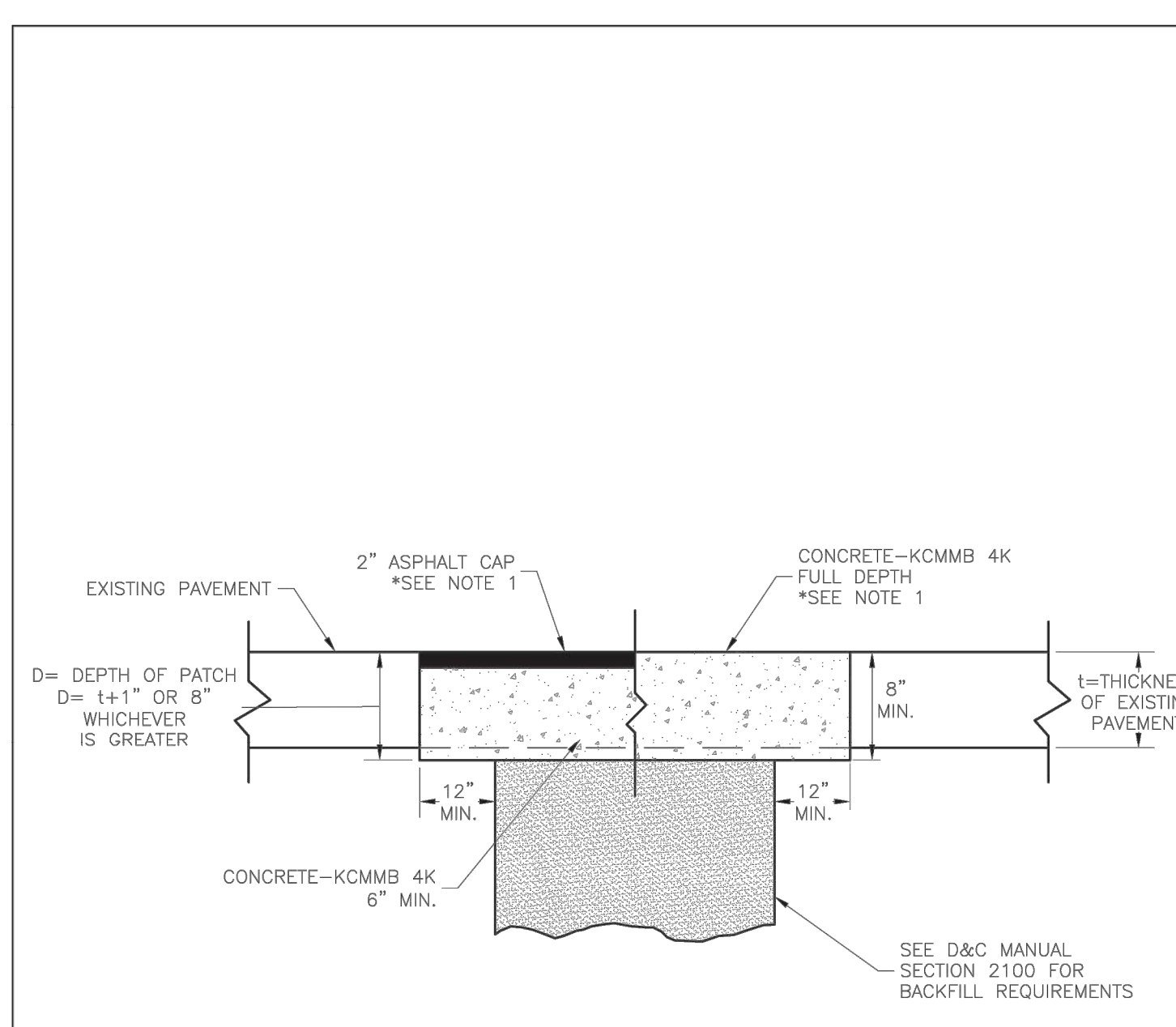


PARKING AREA PAVEMENT DRIVE AREA PAVEMENT HEAVY DUTY CONCRETE PAVEMENT

- NOTES:**
- All paving shall adhere to Lee's Summit Standards, Section 2200.
 - Aggregate base and subgrade of asphalt and concrete pavements shall extend 1'-0" beyond back of curb.
 - KCMB 4K Concrete Mix shall be required for all concrete pavements sections.

TYPICAL PAVEMENT SECTIONS

Not to Scale



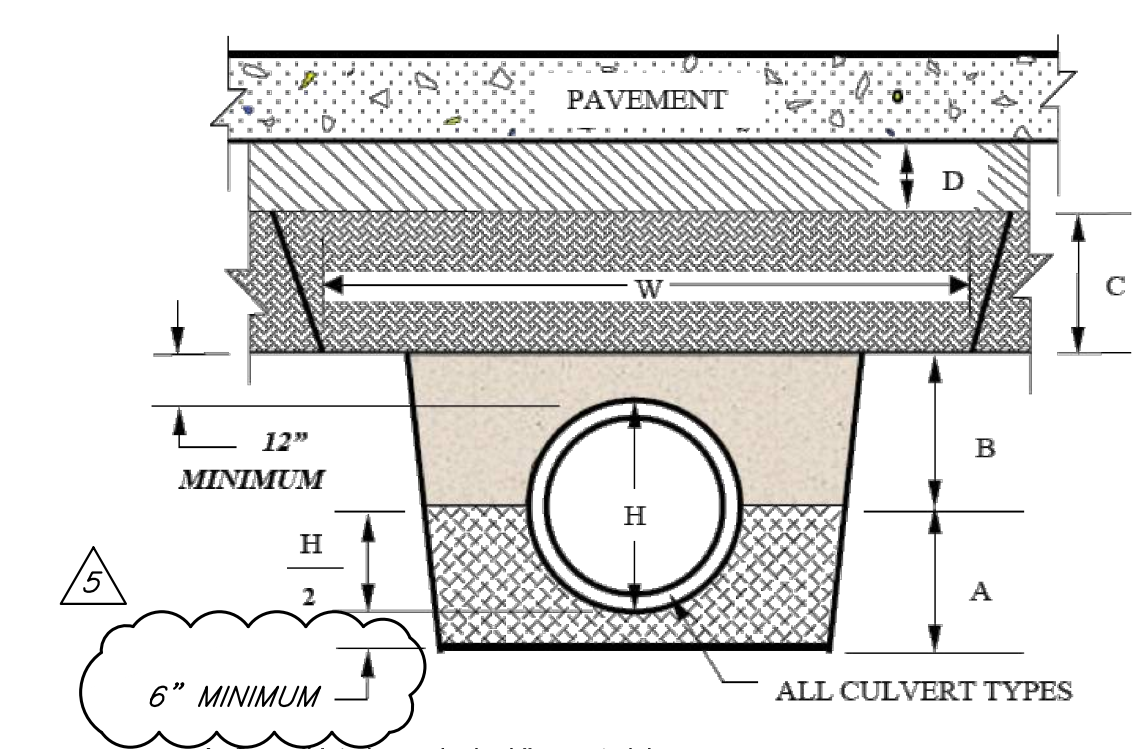
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TRENCHING/PATCHING ROADWAYS DETAIL

Date: 05/2021
Drawn By: MIF
Checked By: DL

GEN-5



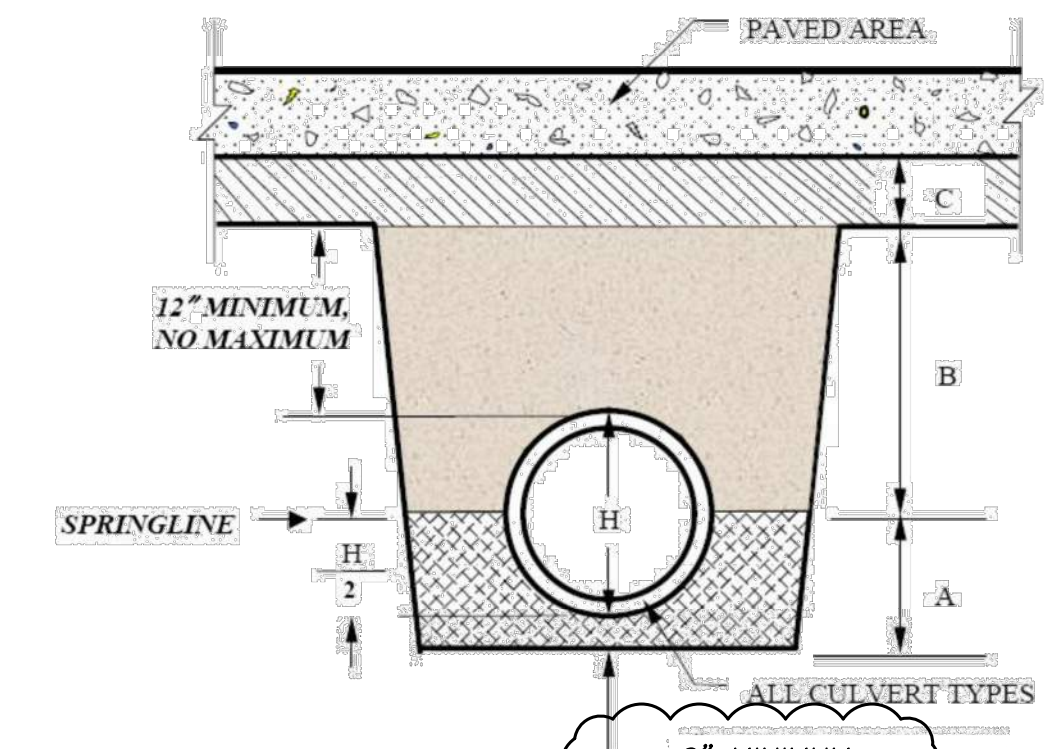
DEEP TRENCHES USING EARTH COMPACTION EQUIPMENT OR IN DEPTHS EXCEEDING 30' OF COVER

A - Consolidated granular bedding material.

B - Granular bedding material or Flowable Backfill (CLSM).

C - Compacted Embankment - 2102.6. Lift thickness shall not exceed the capability of the equipment being utilized to achieve the proper density and consolidation, and in no case shall a lift exceed twelve inches for soil. The minimum width, W, shall be two feet wider than the width of the required compaction device, or five feet, whichever is greater.

D - Compacted Subgrade - Subgrade thickness shall be as specified in Table 1 of Section 5206 and as directed by the Engineer. Subgrade preparation shall be done in accordance with Section 2201 and shall consist of aggregate for base course, stabilized subgrade, or compacted soil - in accordance with the associated Sections 2201, 2202, and 2203.



DEEP TRENCHES WITHOUT ROADWAY COMPACTION EQUIPMENT OR SHALLOW TRENCHES HAVING LESS THAN 30' OF COVER

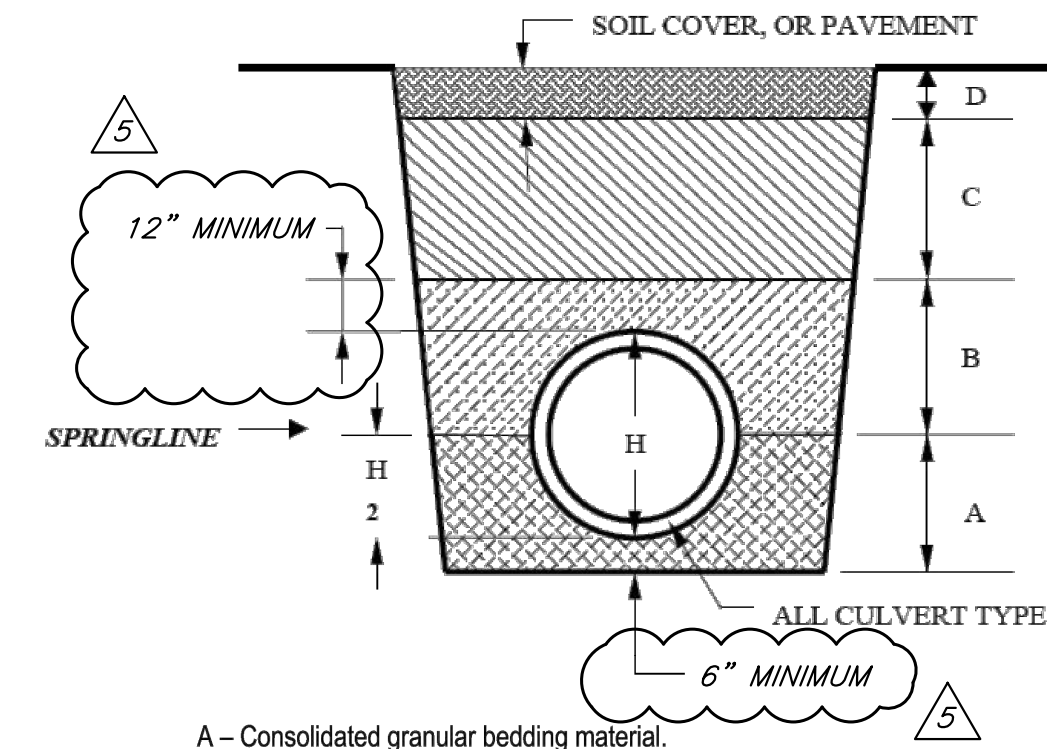
A - Consolidated granular bedding material.

B - Granular bedding material, hand compacted soil - 95% of max. density using ASTM D 698, or Flowable Backfill (CLSM). Maximum lift thickness 6". Granular bedding material shall be used in Zone B for all pipe except reinforced concrete pipe.

C - Compacted Subgrade - Subgrade thickness shall be as specified in Table 1 of Section 5206 and as directed by the Engineer. Subgrade preparation shall be done in accordance with Section 2201 and shall consist of aggregate for base course, stabilized subgrade, or compacted soil - in accordance with the associated Sections 2201, 2202, and 2203.

TRENCHING DETAILS

Not to Scale



TRENCHES OUTSIDE OF STREET PAVEMENTS

A - Consolidated granular bedding material.

B - Consolidated granular bedding material, flowable backfill (CLSM), or compacted soil - compacted to 90% of maximum density using ASTM D 698. Maximum lift thickness for the granular or soil materials shall be six inches.

C - Consolidated granular bedding material, flowable backfill (CLSM), or compacted soil - compact to approximate density of adjacent soil but not less than 90% of maximum density using ASTM D 698. Lift thickness shall not exceed the capability of the equipment being utilized to achieve the proper density and consolidation; however, in no case shall it exceed six inches for soil.

D - Soil Cover - Soil cover shall be as specified in Section 2102.7. The top twelve inches shall be consolidated soil; the top six inches shall be topsoil suitable for sustaining grass.

RELEASED FOR CONSTRUCTION
As Noted on Plans Review

Development Services Department
Lee's Summit, Missouri
11/17/2020

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REGISTERED PROFESSIONAL ENGINEER

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LEE'S SUMMIT MEDICAL CENTER - ICU EXPANSION

2100 SE BLUE PARKWAY

LEE'S SUMMIT, MISSOURI 64063

Date 1/10/2022
Job Number 3-21112
Drawn By HG
Checked By Checker

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4	2/25/2022	RFI #1
5	3/2/2022	

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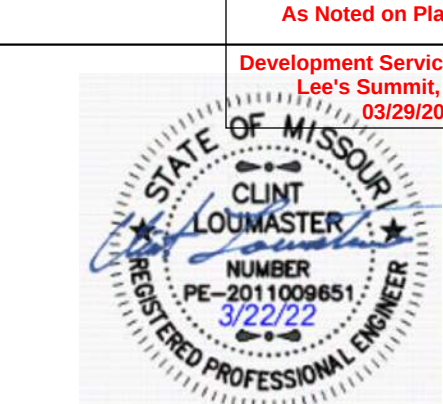
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C5.0

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Construction Details

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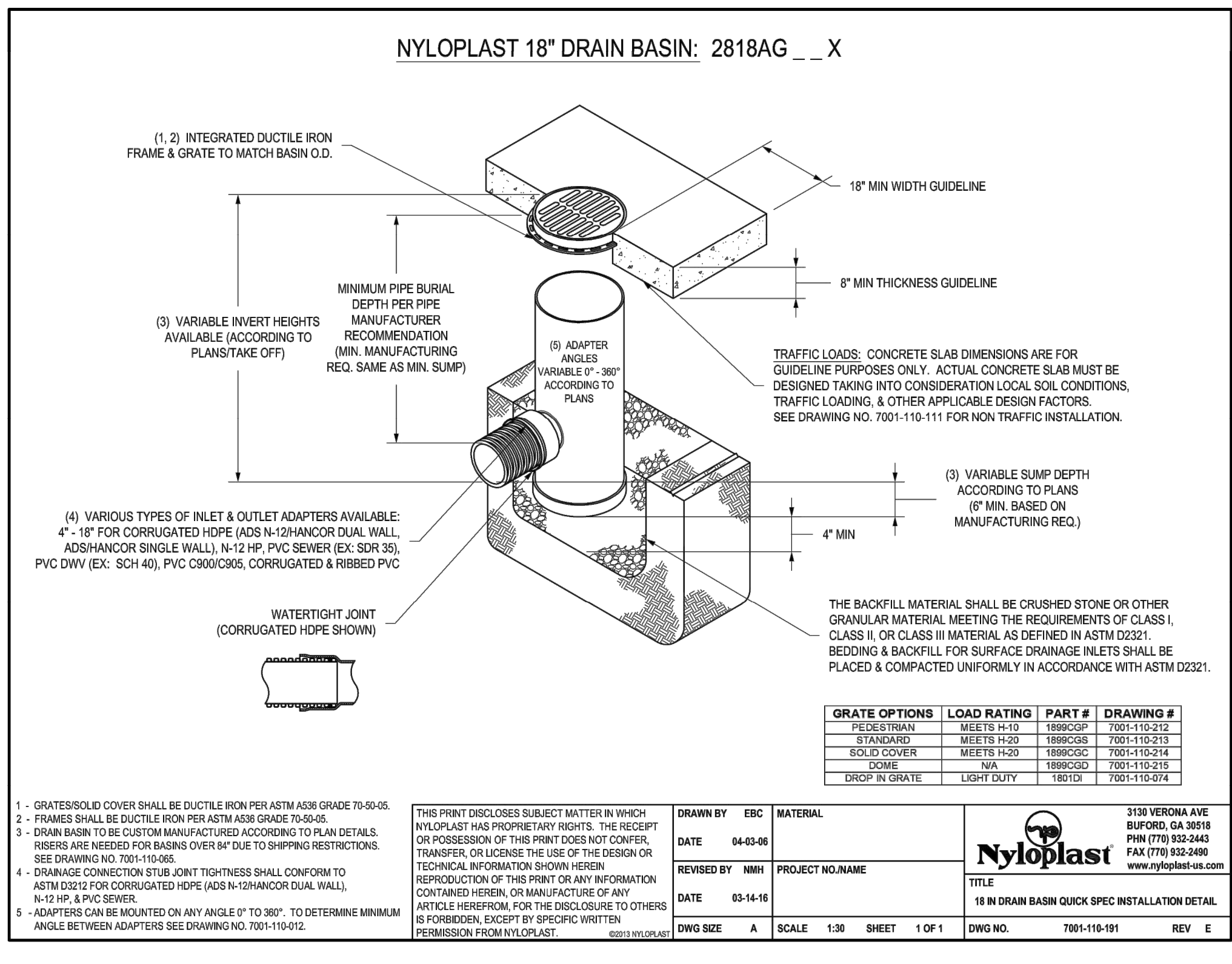
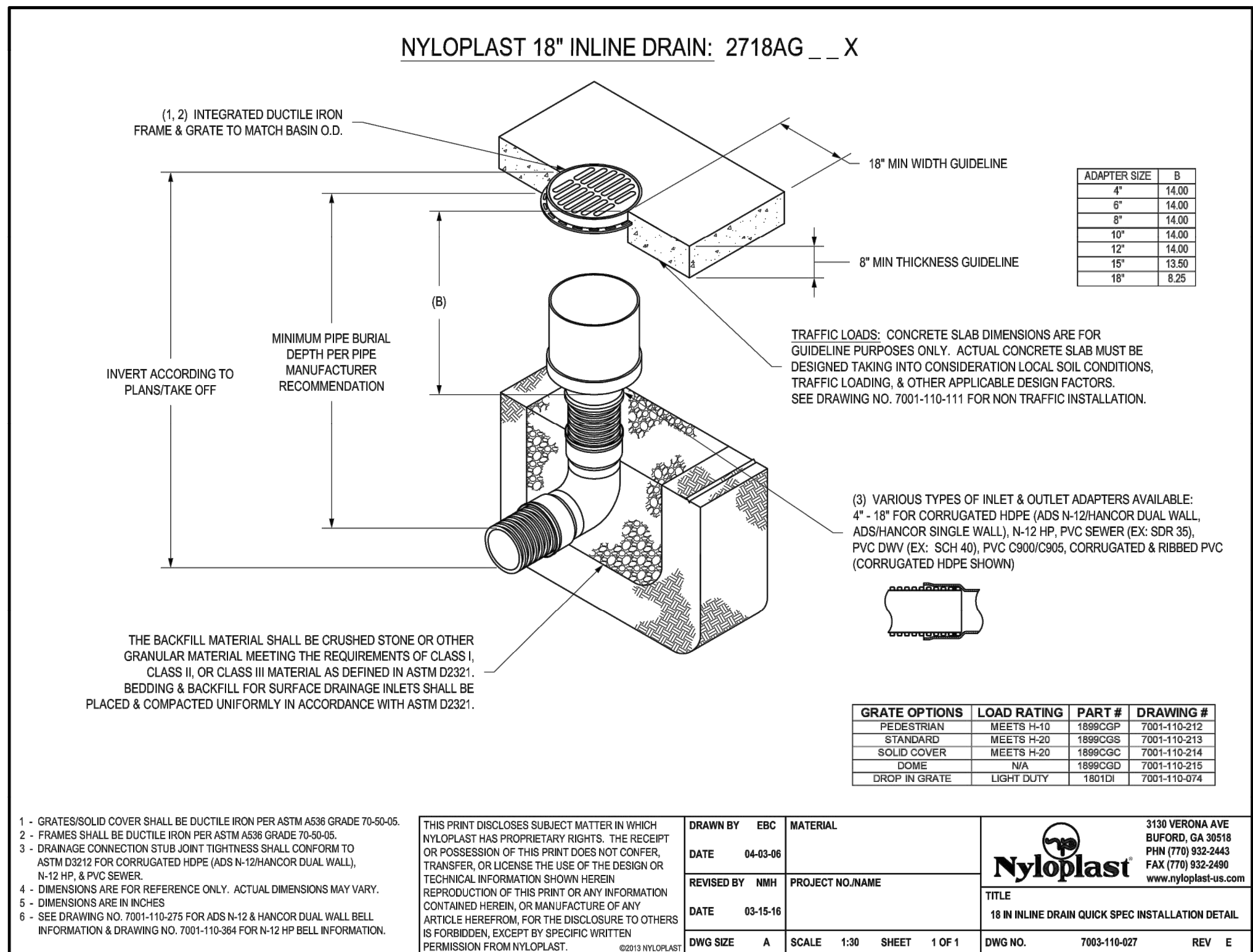
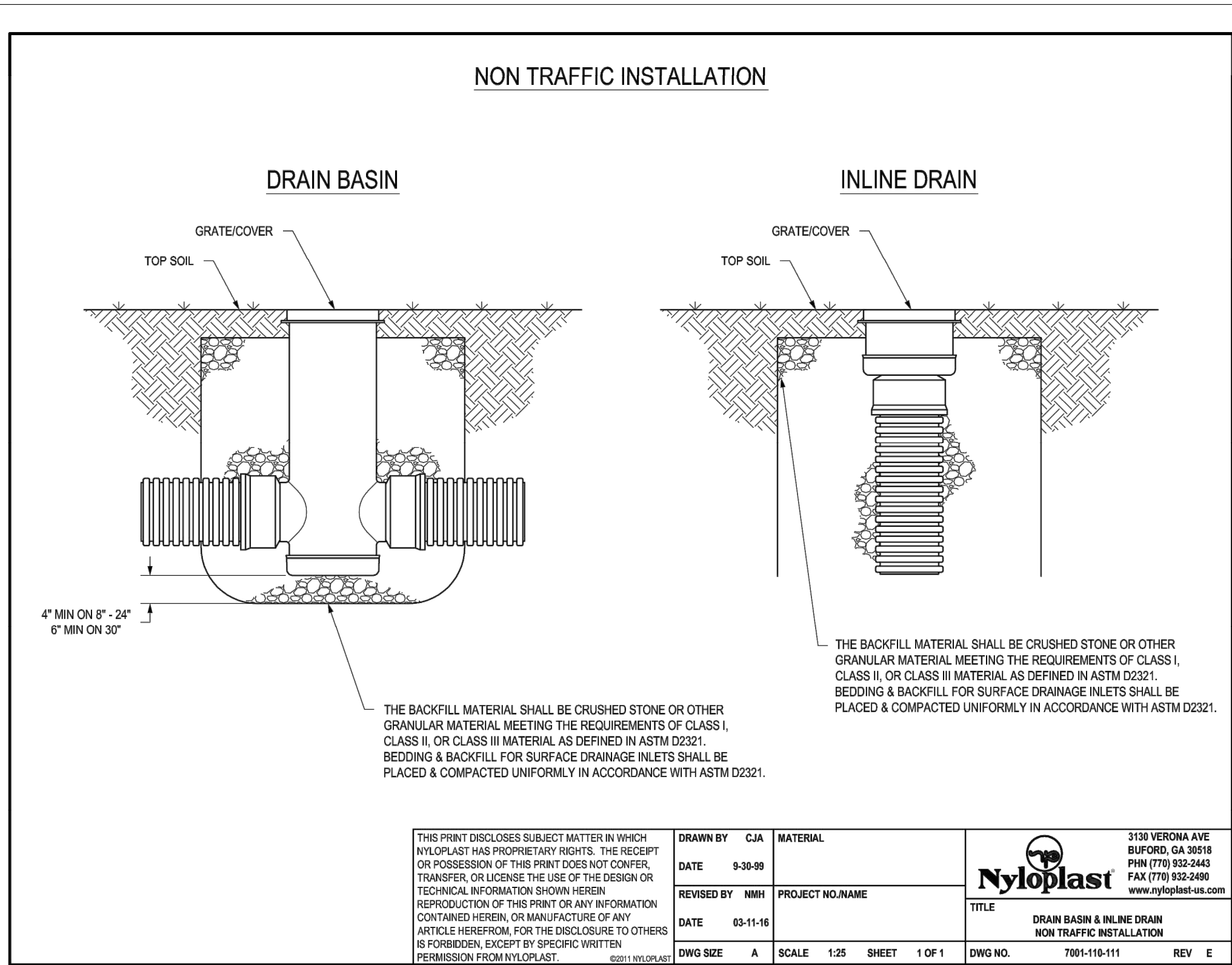
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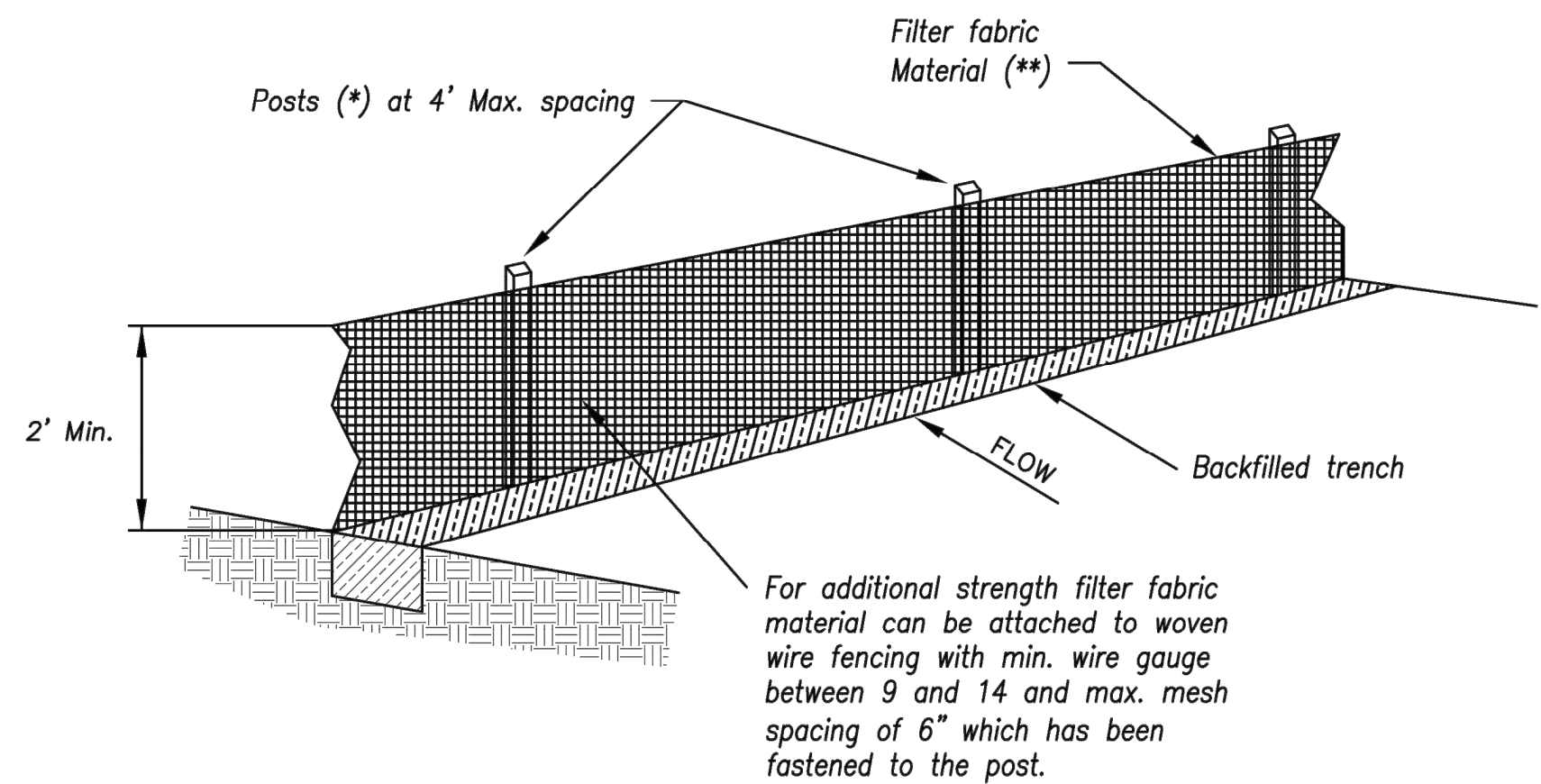
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Erosion Control Details



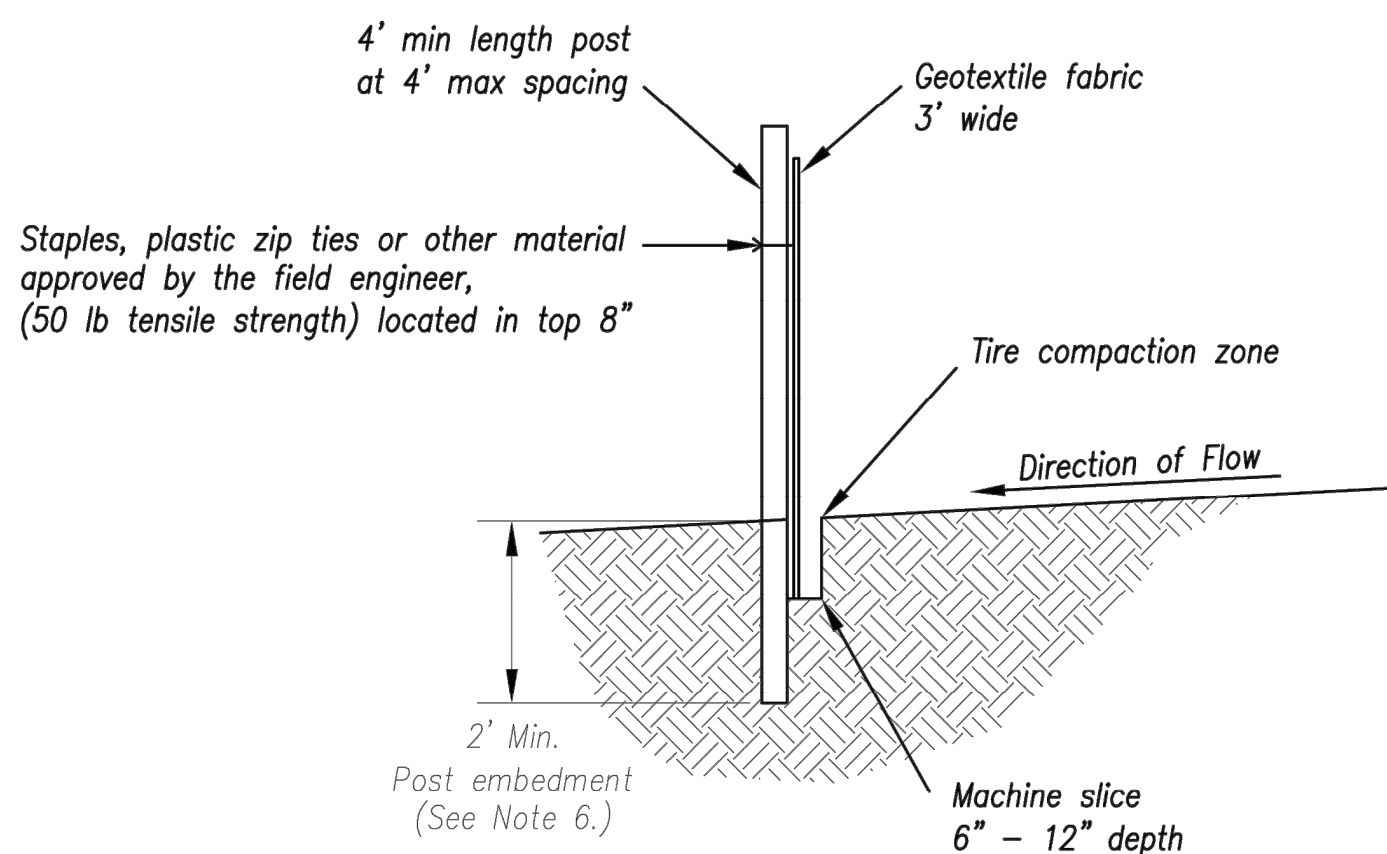
(*) POSTS

- MIN. LENGTH 4'
- HARDWOOD 1 3/16" x 1 3/16"
- NO.2 SOUTHERN PINE 2 5/8" x 2 5/8"
- STEEL 1.33 LB/FT

()** - Geotextile Fabric shall meet the requirements of AASHTO M288

SILT FENCE DETAILS

Not to Scale



Notes:

1. In order to contain water, the ends of the silt fence must be turned uphill (Figure A).
2. Long perimeter runs of silt fence must be limited to 100'. Runs should be broken up into several smaller segments to minimize water concentrations (Figure A).
3. Long slopes should be broken up with intermediate rows of silt fence to slow runoff velocities.
4. Attach fabric to upstream side of post.
5. Install posts a minimum of 2' into the ground.
6. Trenching will only be allowed for small or difficult installation, where slicing machine cannot be reasonably used.

Maintenance:

1. Remove and dispose of sediment deposits when the deposit approaches 1/3 the height of silt fence.
2. Repair as necessary to maintain function and structure.

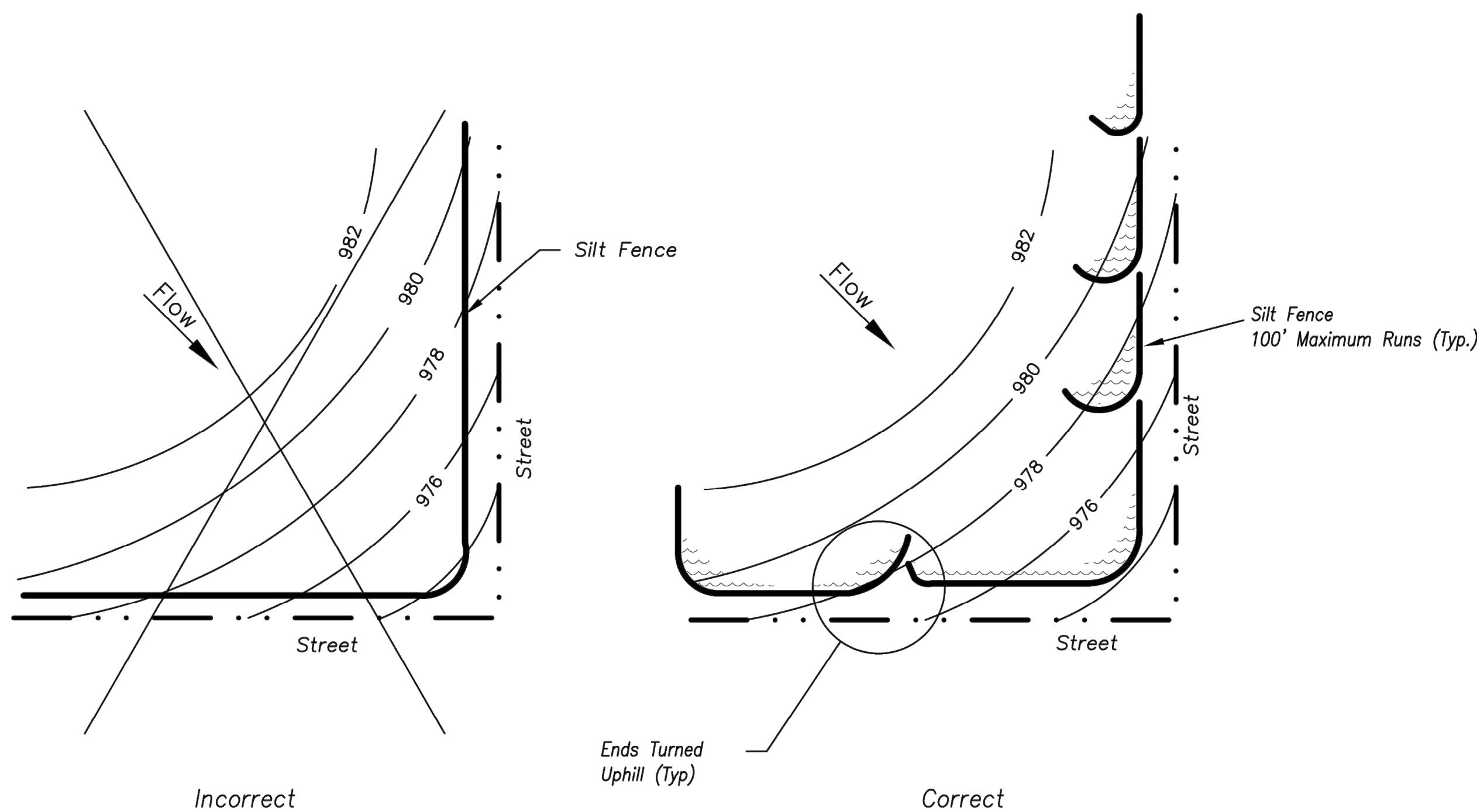
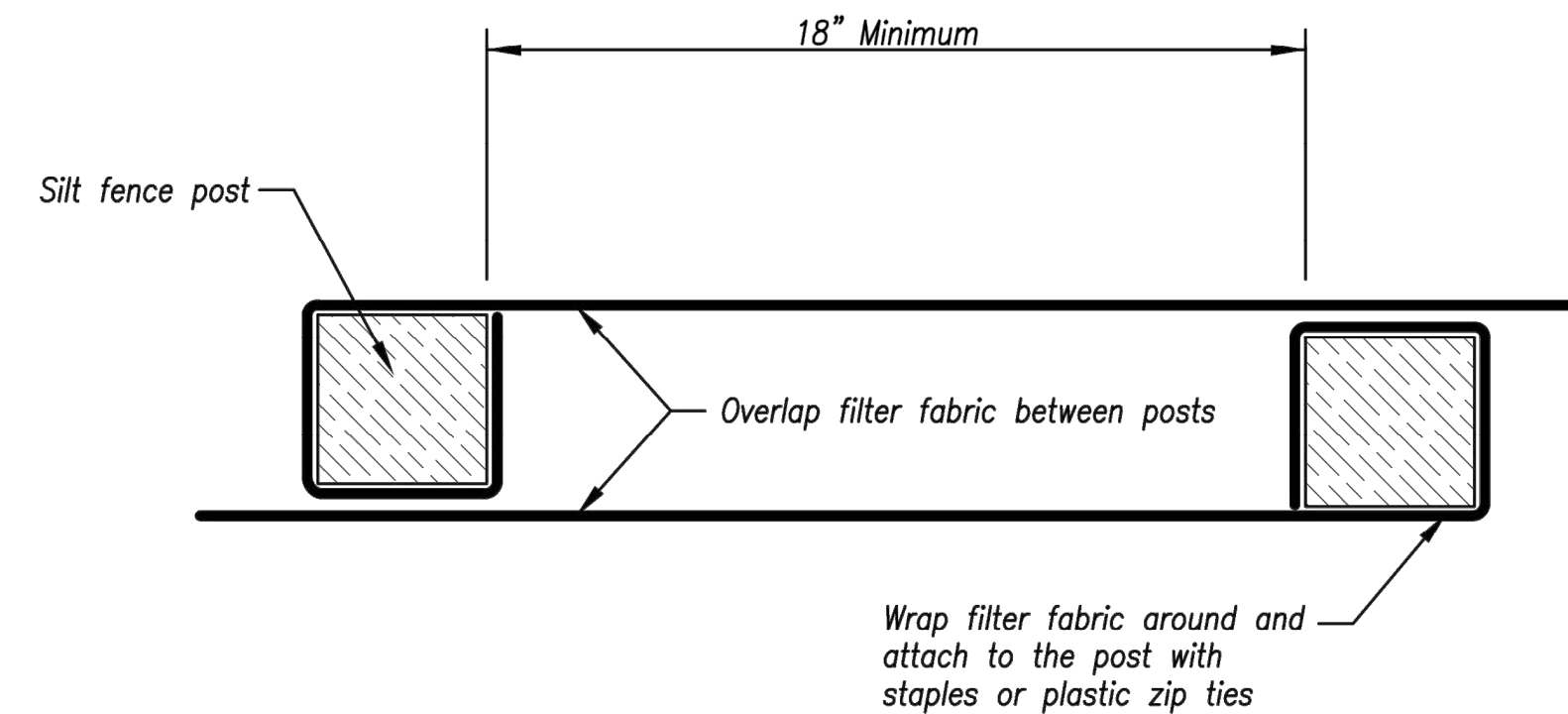
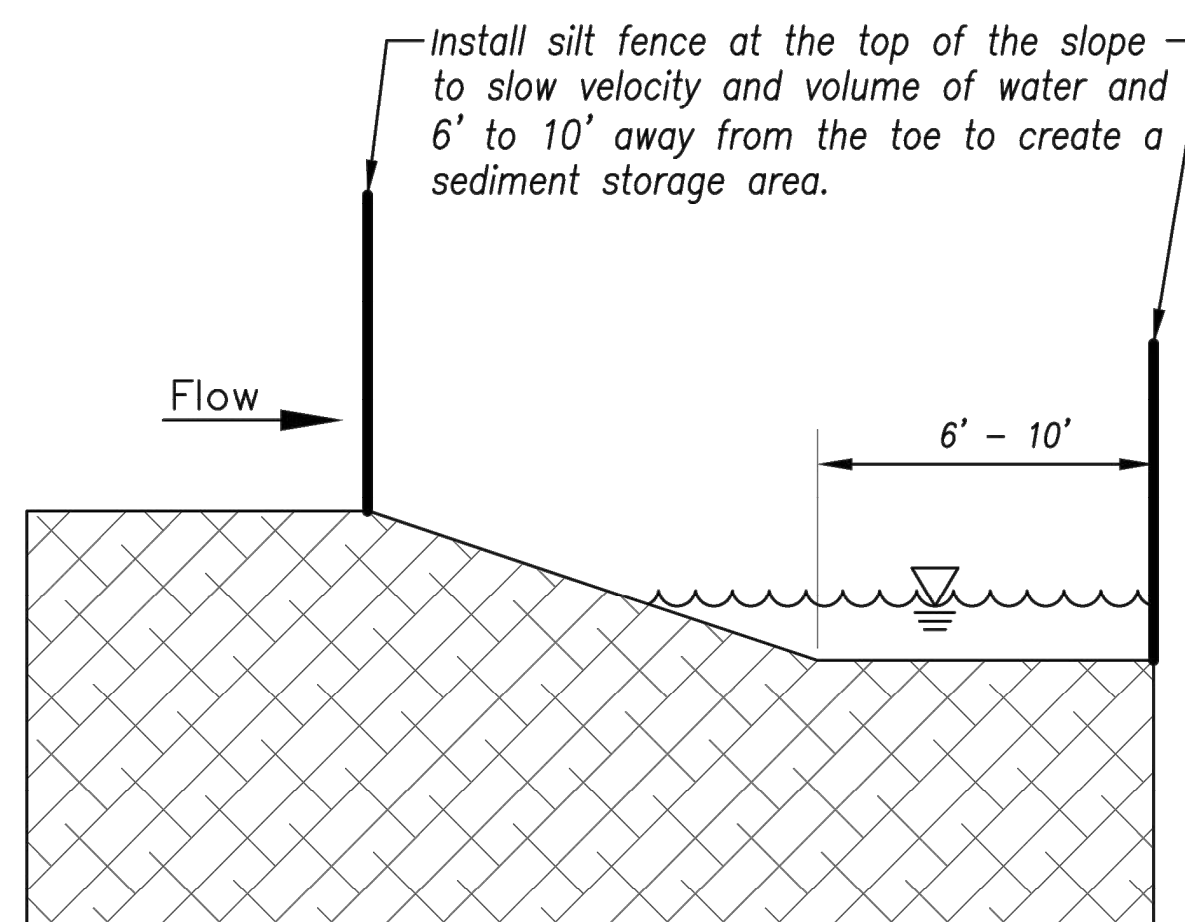


Figure A

SILT FENCE LAYOUT

Not to Scale



JOINING FENCE SECTIONS

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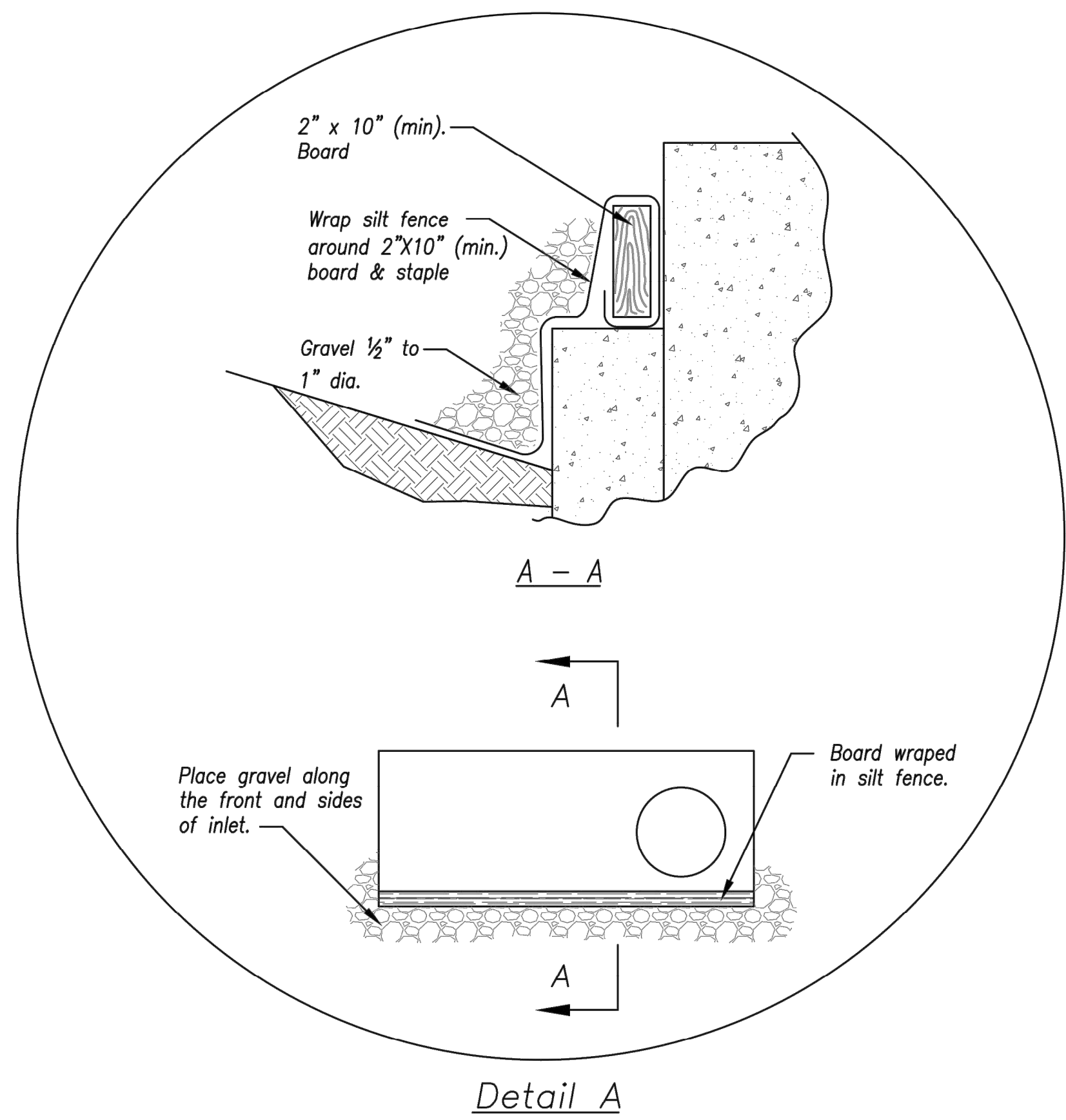
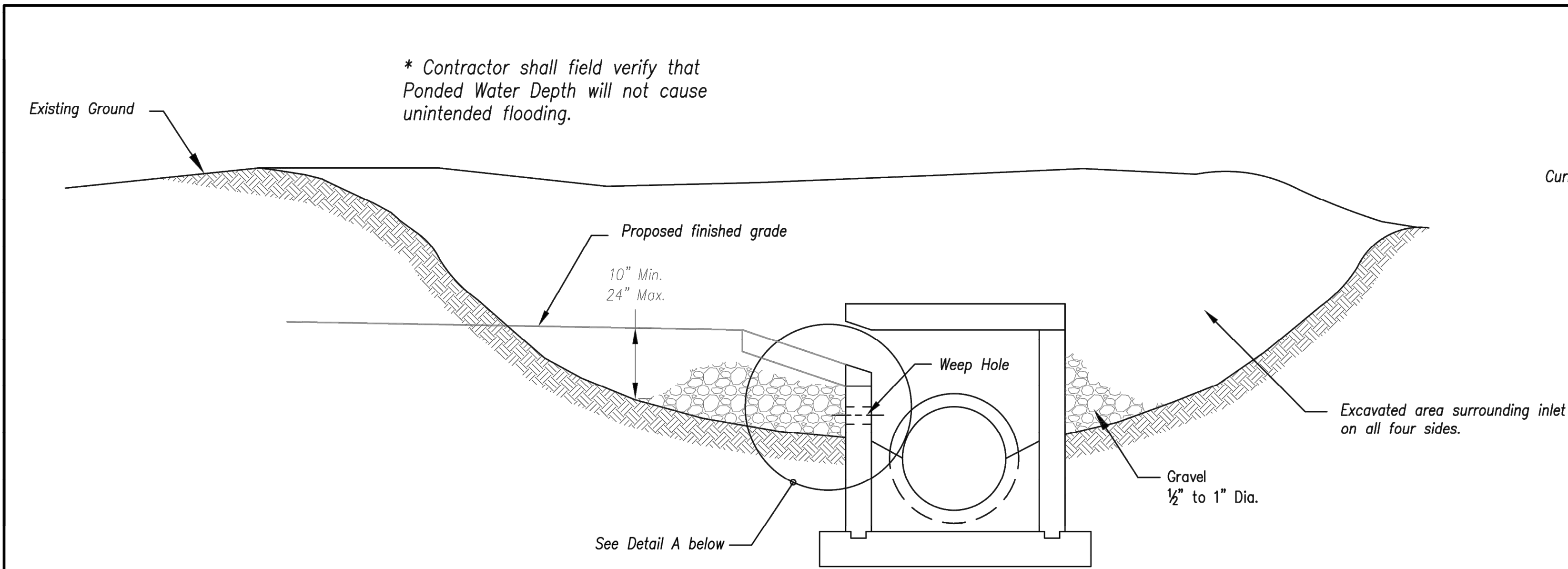
AMERICAN PUBLIC WORKS ASSOCIATION	
	KANSAS CITY METRO CHAPTER
SILT FENCE	STANDARD DRAWING NUMBER ESC-03 ADOPTED: 10/24/2016

Modified from 2015 Overland Park Standard Details
for Erosion and Sediment Control.

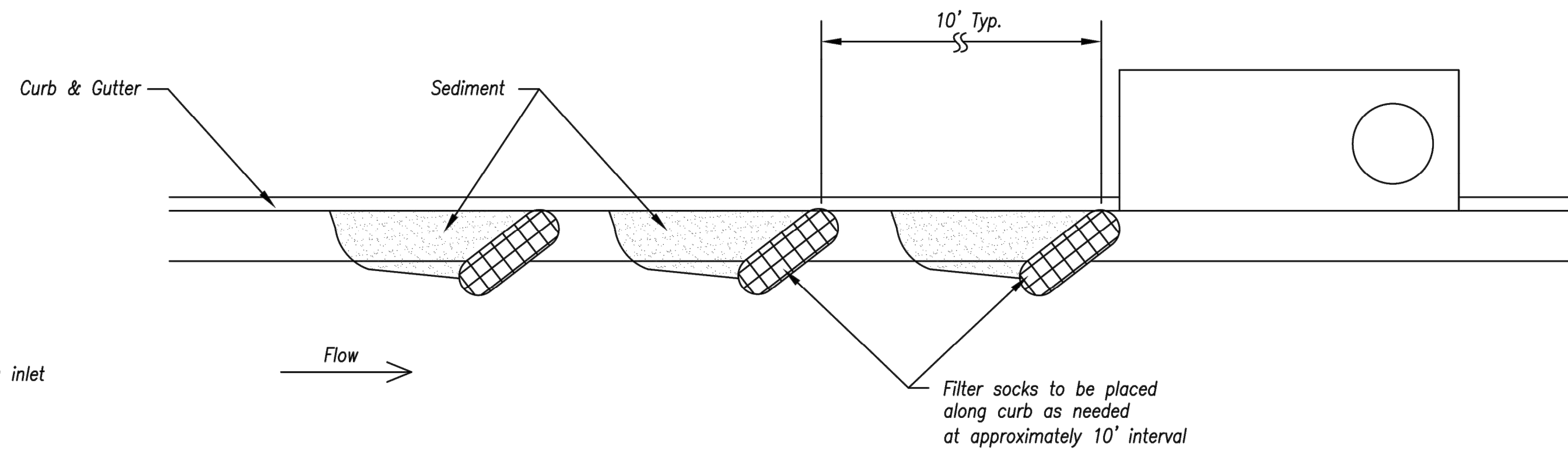
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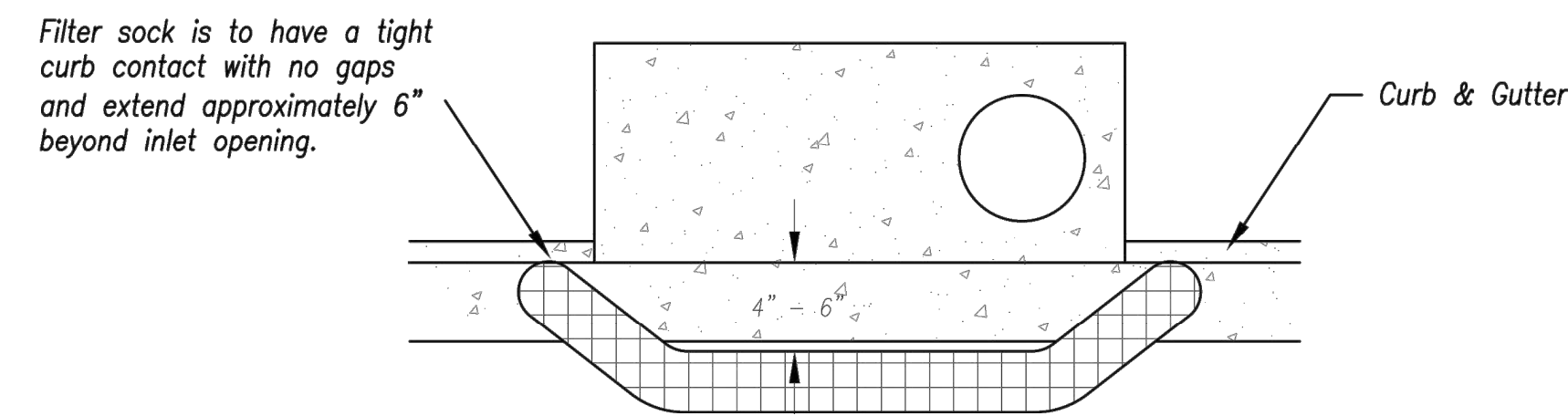
C:\Users\hgrindel\Documents\3-21112 HCA L5MC_ICU_EXPANSION_R21_1grindel\BKM52.rvt



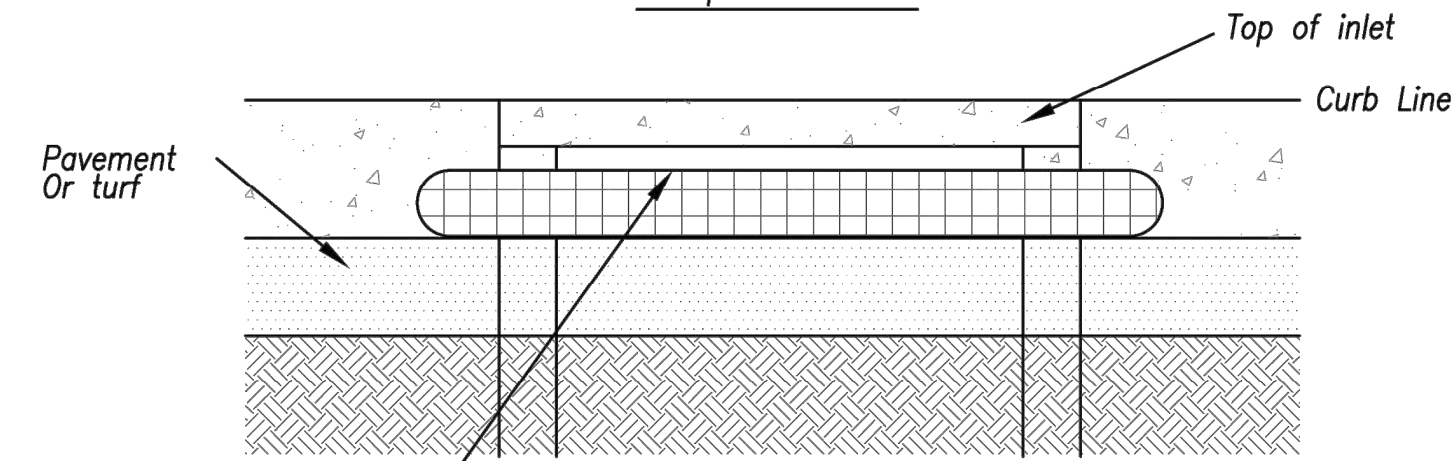
EARLY STAGE CURB INLET
(Open Box and Prior to Pouring Curb and Inlet Throat)



On Grade Curb Inlet Protection



Top View



Front View

Sump Inlet Sediment Filter

LATE STAGE CURB INLET
(After Pouring Curb and Inlet Throat)

AMERICAN PUBLIC WORKS ASSOCIATION	
	KANSAS CITY METRO CHAPTER
CURB INLET PROTECTION	STANDARD DRAWING NUMBER ESC-06
	ADOPTED: 10/24/2016

Modified from 2015 Overland Park Standard Details for Erosion and Sediment Control.

Notes:

1. Immediately following inlet construction and prior to construction of curb and inlet throat, protect inlet opening by installing 2" X 10" (min.) board wrapped in silt fence. Structures shall have excavated storage area on all four sides to allow settling of sediment (Early Stage Curb Inlet).
2. When inlet is completed and curb poured, filter socks or approved equal should be used (Late Stage Curb Inlet). Straw wattles are not approved for curb inlet use.
3. Contractor to field verify ponding water shall not create a traffic hazard.

Maintenance:

1. Remove deposited sediment from excavated storage areas when available storage has been reduced by 20%.
2. Remove deposited sediment from filter socks or similar when any accumulation of sediment is visible.
3. Repair or replace as necessary to maintain function and integrity of installation.

CIVIL ENGINEERING BY:

GBA

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RELEASED FOR CONSTRUCTION
As Noted on Plans Review
Development Services Department
Lee's Summit, Missouri
03/29/2022



Clint Loumaster - Civil Engineer
License - Missouri #PE-2011009651

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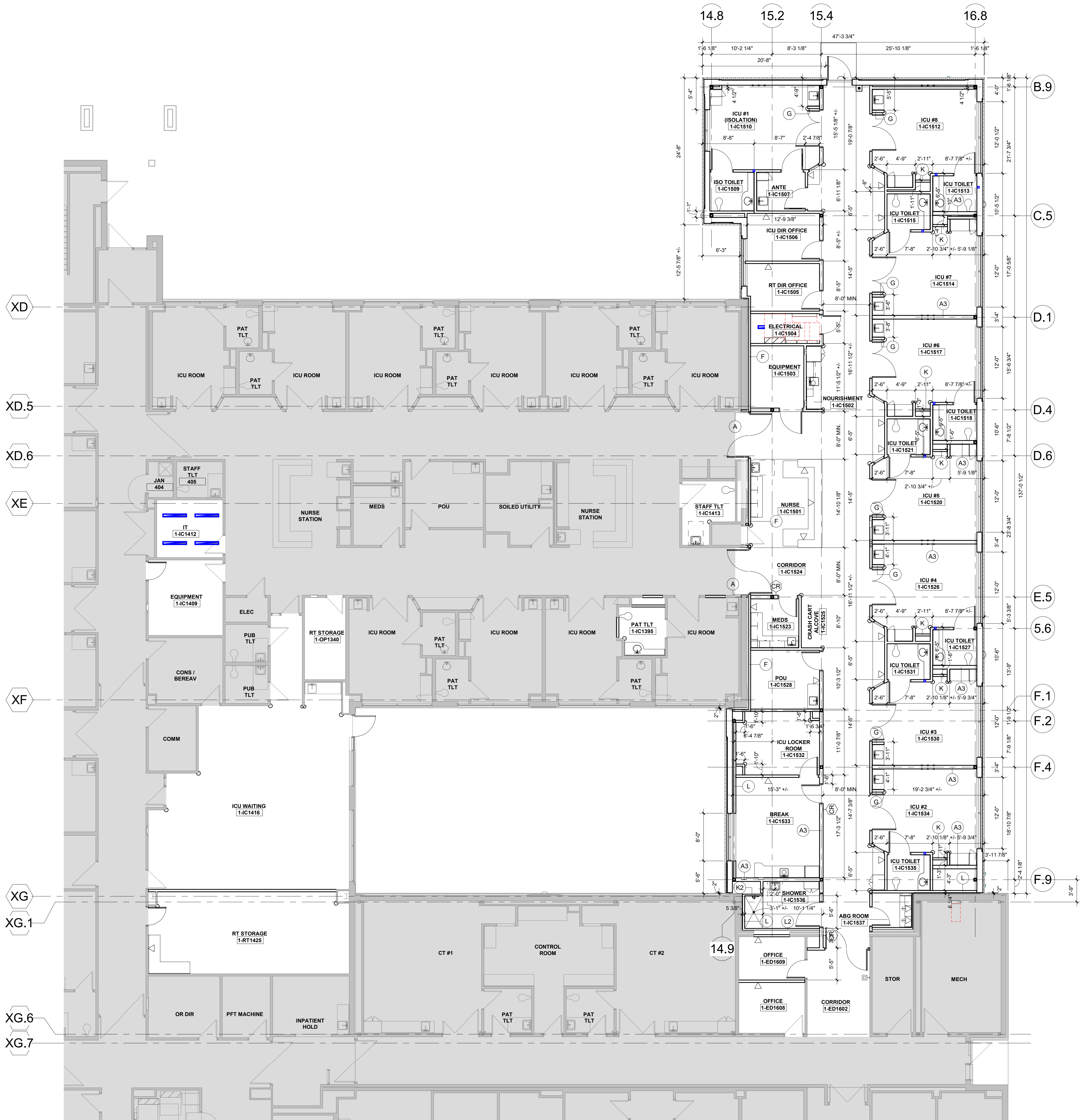
LEE'S SUMMIT MEDICAL CENTER -
ICU EXPANSION
2100 SE BLUE PARKWAY
LEE'S SUMMIT, MISSOURI 64063

Date 1/10/2022
Job Number 3-21112
Drawn By HG
Checked By Checker

Revision
Number Date Description
3 2/11/2022

C8.0

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Erosion Control Details



A1 FIRST FLOOR DIMENSION PLAN
1/8" = 1'-0"



GENERAL PLAN NOTES

- ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH A.D.A. REQUIREMENTS AND ALL APPLICABLE LOCAL, STATE AND FEDERAL BUILDING CODES AND REGULATIONS.
- THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL NECESSARY BUILDING PERMITS.
- THE GENERAL CONTRACTOR AND SUBCONTRACTORS SHALL FIELD VERIFY EXISTING CONDITIONS AND NOTIFY THE ARCHITECT OF ANY INCONSISTENCIES OR DISCREPANCIES WITH THE PROJECT DOCUMENTS. ACCESS TO THE SITE AND/OR SPACE UNDER CONSTRUCTION DURING BIDDING AND CONSTRUCTION SHALL BE COORDINATED WITH THE OWNER.
- IF MATERIAL SUSPECTED OF CONTAINING HAZARDOUS MATERIALS ARE ENCOUNTERED, DO NOT DISTURB. IMMEDIATELY NOTIFY ARCHITECT AND OWNER. OWNER SHALL COORDINATE WITH CONTRACTOR ON THE REMOVAL OF SUCH ITEMS. WORK MAY PROCEED AFTER HAZARDOUS MATERIAL HAS BEEN REMOVED.
- THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR EXAMINING AND CONFIRMING ALL SUBSTRATE CONDITIONS WHERE NEW MATERIALS ARE APPLIED. THE SUBSTRATE SHALL BE SMOOTH AND FREE OF DEFECTS AND SHALL CONFORM TO THE REQUIREMENTS OF THE FINISHED MATERIAL MANUFACTURERS RECOMMENDATIONS.
- CONTRACTOR SHALL FURNISH AND INSTALL CONCEALED FIRE-TREATED WOOD BLOCKING BEHIND ALL CABINETS, TOILET ACCESSORIES, PLUMBING FIXTURES, AND OTHER WALL MOUNTED ITEMS AS REQUIRED FOR ADEQUATE SUPPORT.
- CONTRACTOR TO PROVIDE ALL REQUIRED LABOR, MATERIAL, AND EQUIPMENT NECESSARY TO MEET AND COMPLETE THE REQUIREMENTS OF THE NEW CONSTRUCTION.
- ALL EXISTING CONSTRUCTION TO REMAIN SHALL BE PATCHED, REPAIRED, AND PREP AS REQUIRED FOR NEW FINISH APPLICATION.
- DO NOT CLOSE OR OBSTRUCT WALKWAYS, EXITS, OR OTHER FACILITIES USED BY OCCUPANTS OF BUILDINGS WITHOUT WRITTEN PERMISSION FROM AUTHORITIES HAVING JURISDICTION.
- CONDUCT ALL OPERATIONS IN A SAFE WORKING MANNER TO PREVENT DAMAGE OR INJURY TO ADJACENT SPACES, BUILDING, STRUCTURE, OTHER FACILITIES, AND PERSONS.
- REFER TO GENERAL NOTES, LEGENDS & SYMBOLS SHEET FOR ADDITIONAL GENERAL NOTES AS APPLICABLE.
- SEE FINISH SCHEDULE FOR FINISH LOCATION AND SPECIFICATIONS.
- SEE DOOR SCHEDULE FOR DOOR SPECIFICATIONS.

REMODEL/RENOVATION NOTES

- THE CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS AND NOTIFY ARCHITECT OF ANY INCONSISTENCIES OR DISCREPANCIES WITH THE PROJECT DOCUMENTS. ACCESS TO THE SITE AND/OR SPACE UNDER CONSTRUCTION DURING BIDDING AND CONSTRUCTION SHALL BE COORDINATED WITH THE OWNER.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR EXAMINING AND CONFIRMING ALL SUBSTRATE CONDITIONS WHERE NEW MATERIALS ARE APPLIED. THE SUBSTRATE SHALL BE SMOOTH AND FREE OF DEFECTS AND SHALL CONFORM TO THE REQUIREMENTS OF THE FINISHED MATERIAL MANUFACTURERS RECOMMENDATIONS.
- UPON VERIFICATION OF THE EXISTING CONDITIONS, THE CONTRACTOR SHALL DETERMINE AND RECOMMEND THE BEST ACTION TO MINIMIZE THE EXTENT OF REMOVAL WORK FOR INSTALLATION OF NEW WORK.
- ALL EXISTING CONSTRUCTION TO REMAIN SHALL BE PATCHED, REPAIRED, AND PREPPED AS REQUIRED FOR NEW FINISH APPLICATION.

FLOOR PLAN LEGEND

	NOT IN SCOPE		NOT IN ARCHITECTURAL SCOPE
	CONCRETE SLAB INFILL		EXISTING WALL
	NEW WALL		EXISTING EXPANSION JOINT
	EXPANSION JOINT		DOOR NO.
	NEW DOOR		EXISTING DOOR



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LEE'S SUMMIT MEDICAL CENTER - ICU EXPANSION 2100 SE BLUE PARKWAY LEE'S SUMMIT, MISSOURI 64063

Date 01/14/2022
Job Number 3-21112
Drawn By HG
Checked By Checker

Revision
Number Date Description

1/17/2022 4:37:11 PM

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NO NOT TO SCALE



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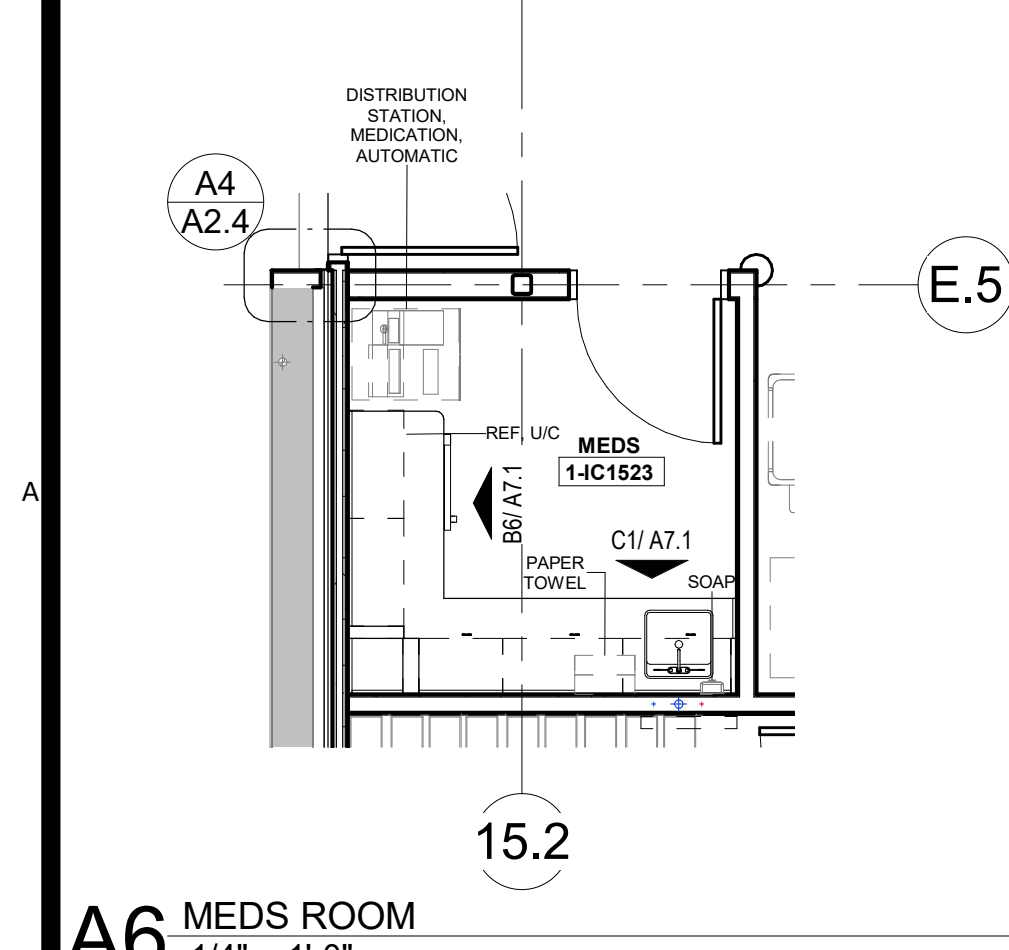
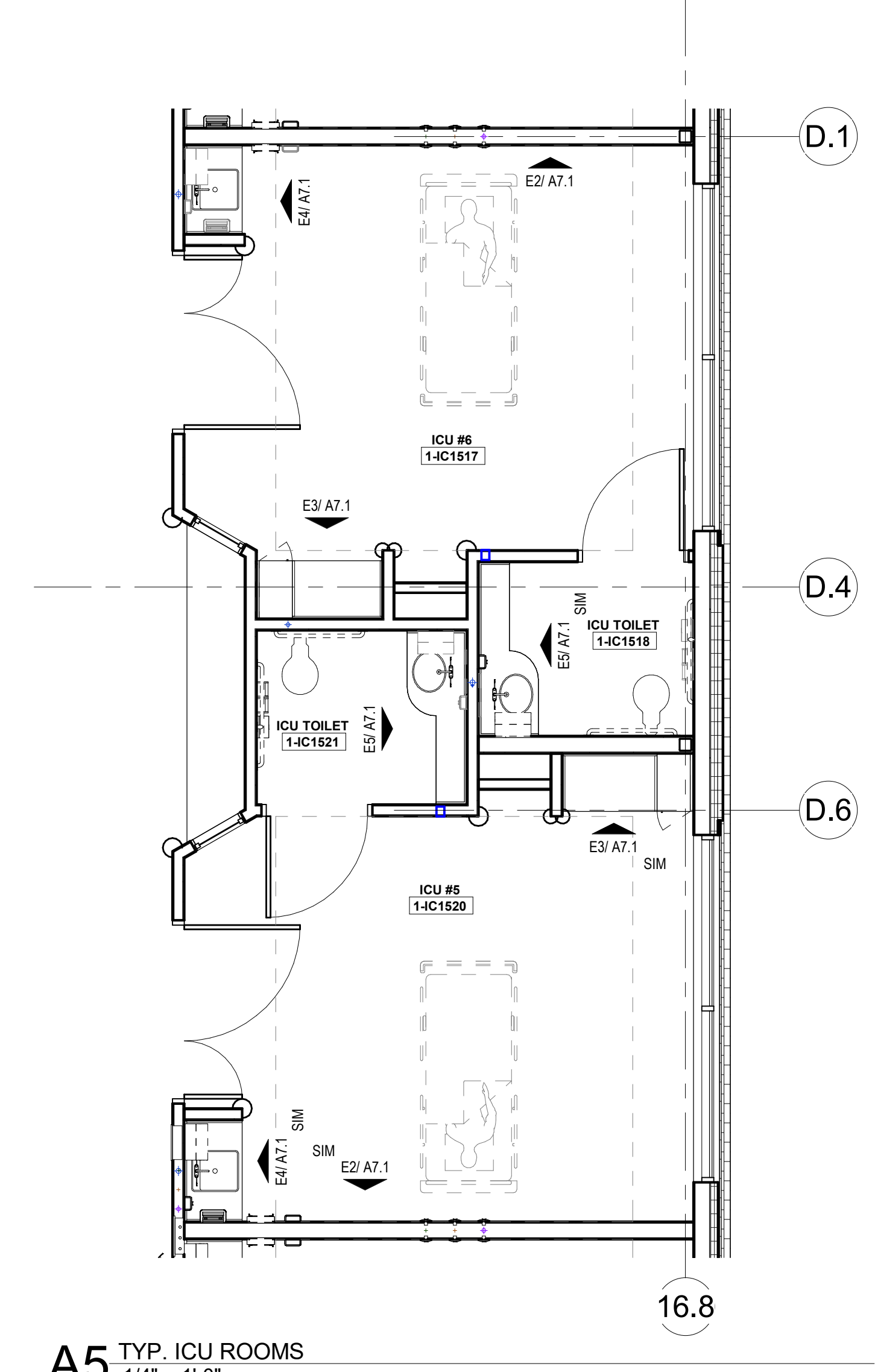
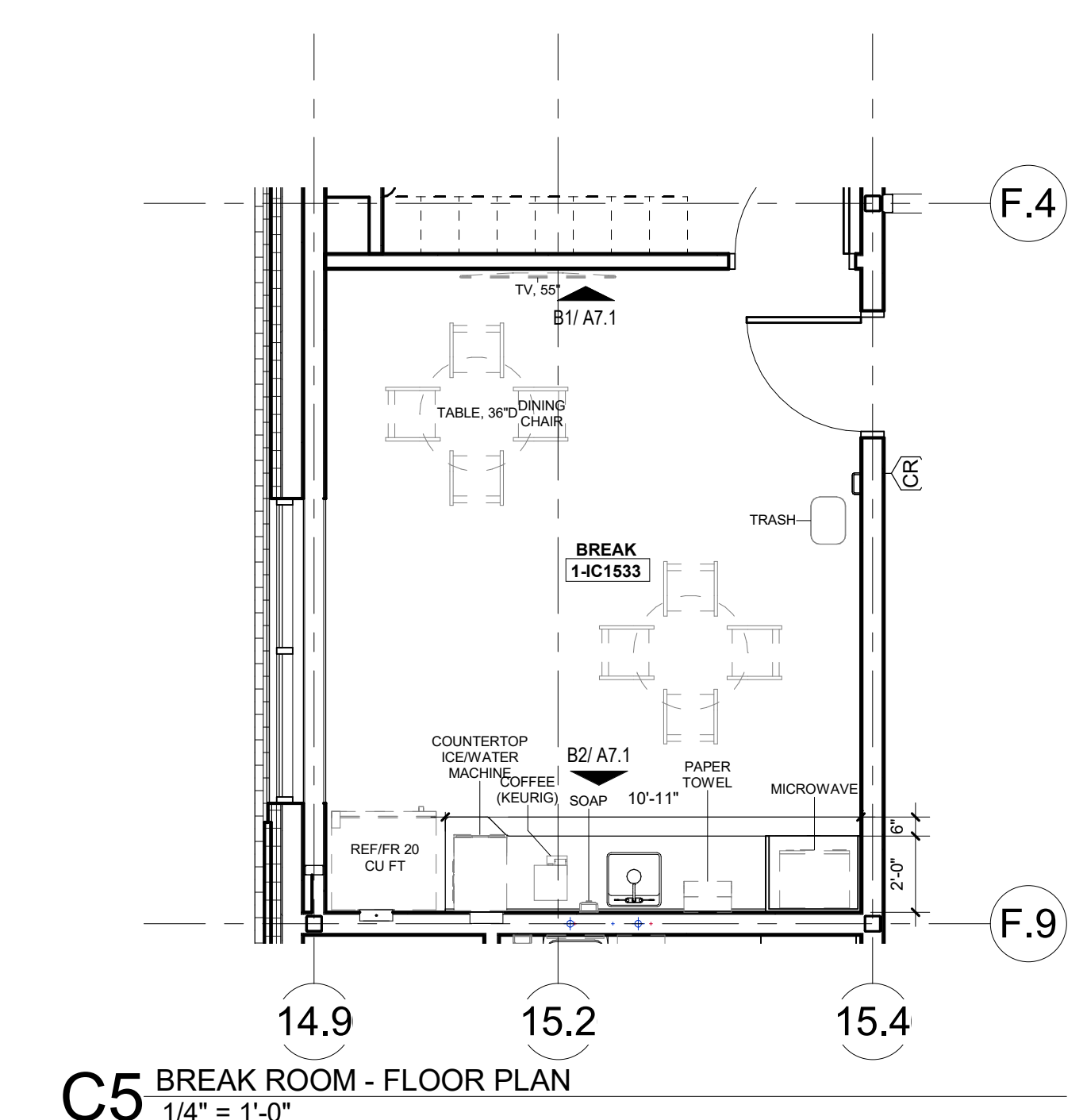
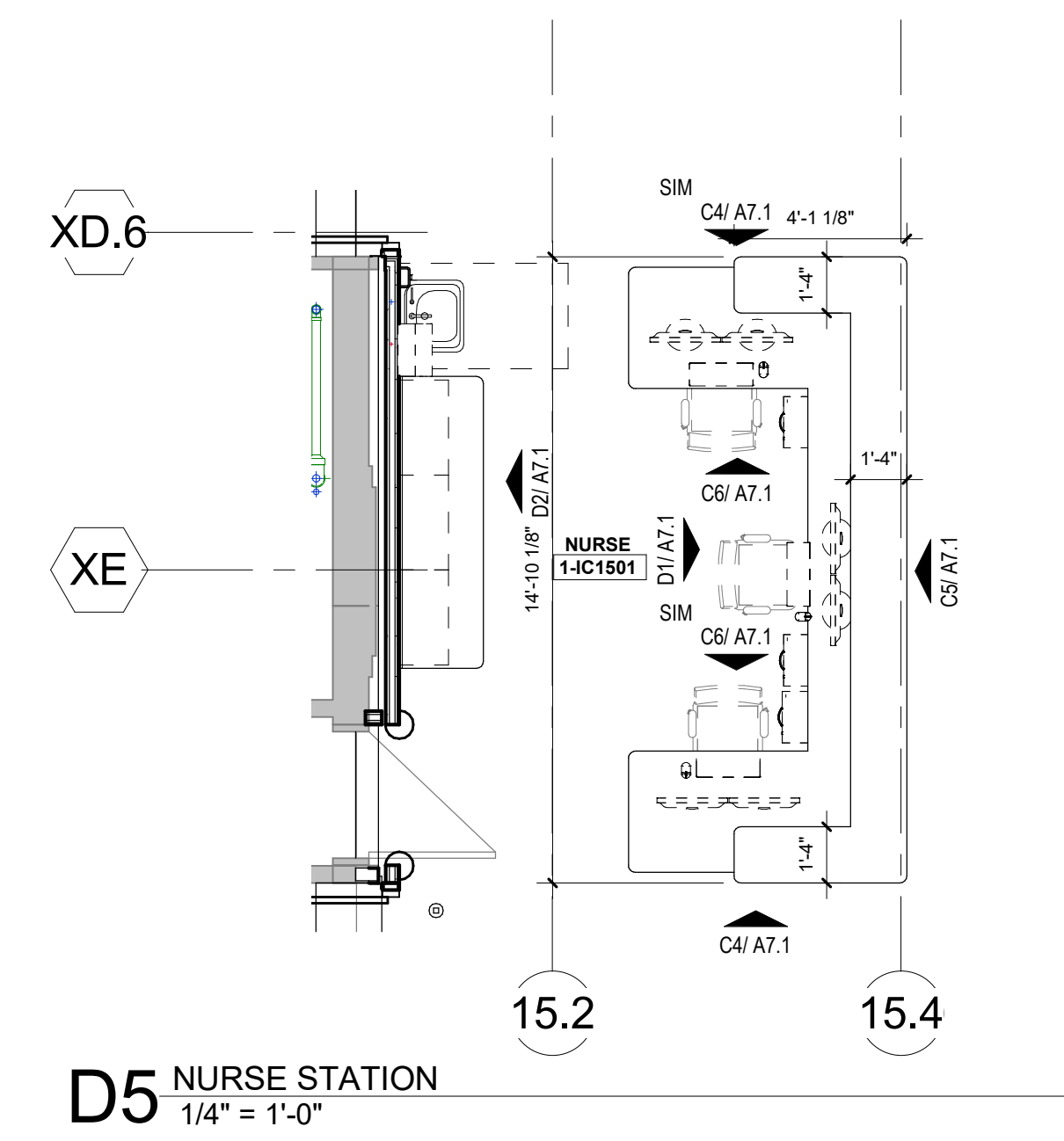
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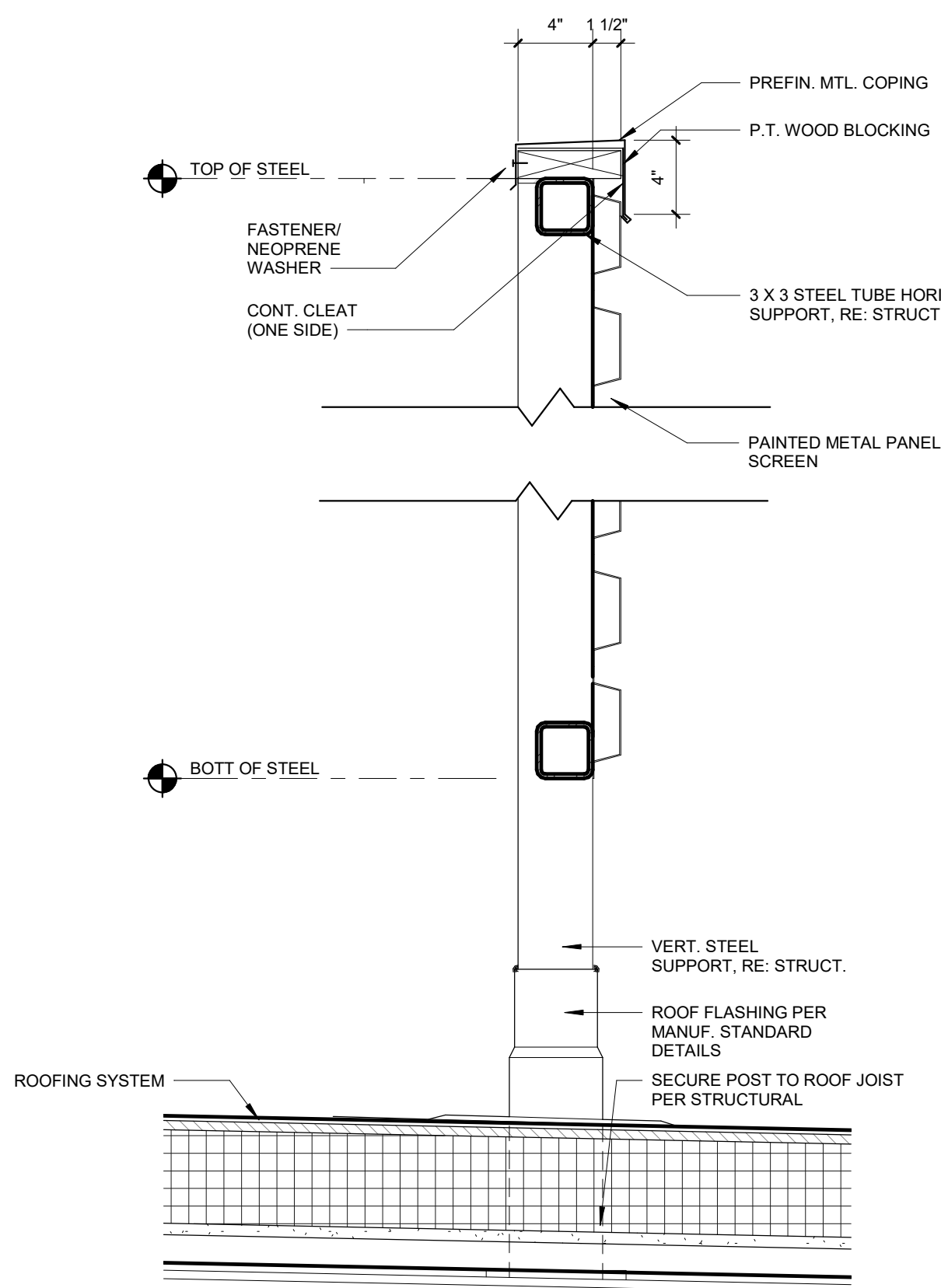
Revision
Number Date Description

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FIRST FLOOR ANNOTATION PLAN

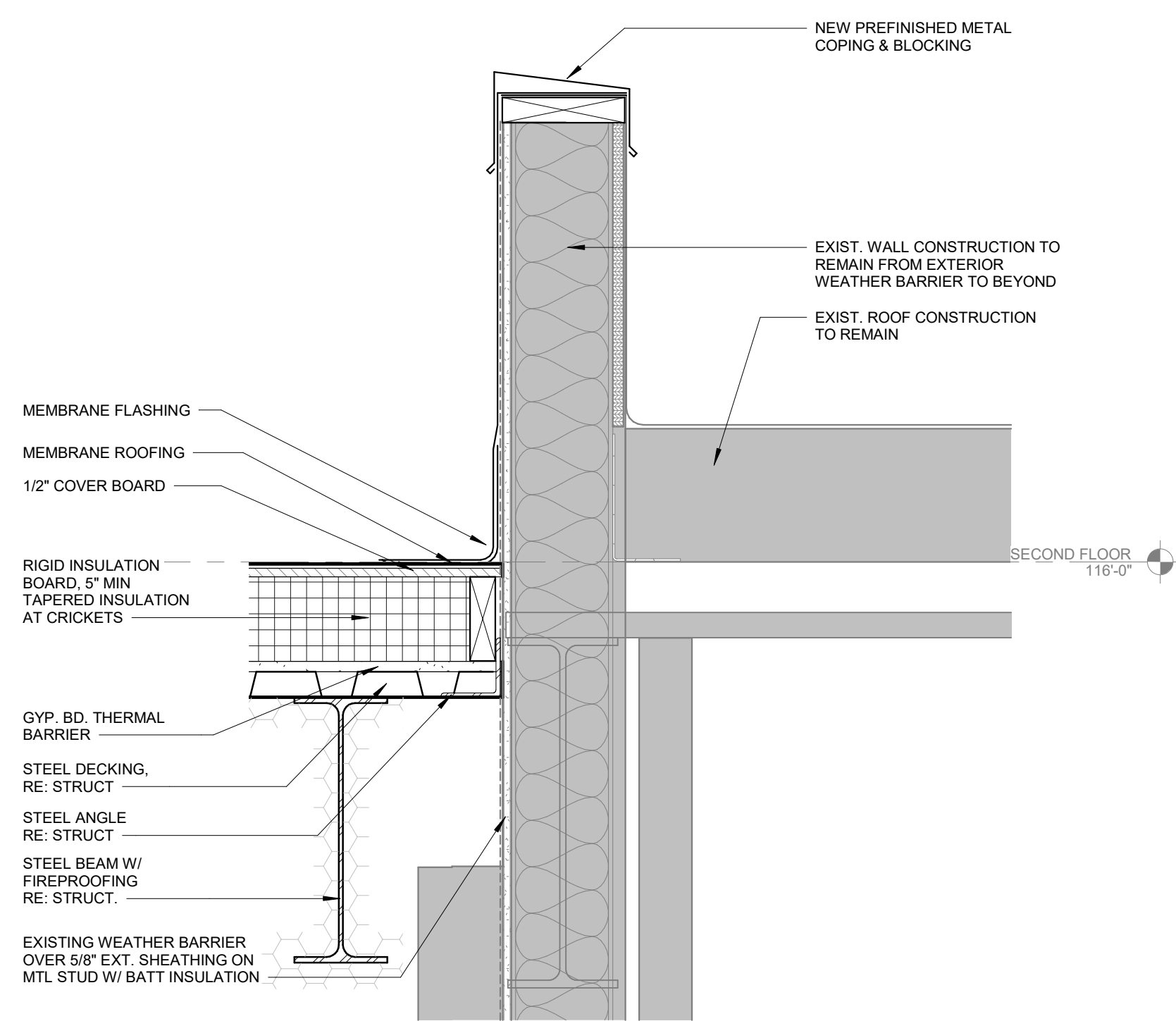
#	KEYNOTES - FLOOR PLAN
NUMBER	COMMENTS
1	2" EXPANSION JOINT COVER. RE: ARCHITECTURE SPECIFICATIONS



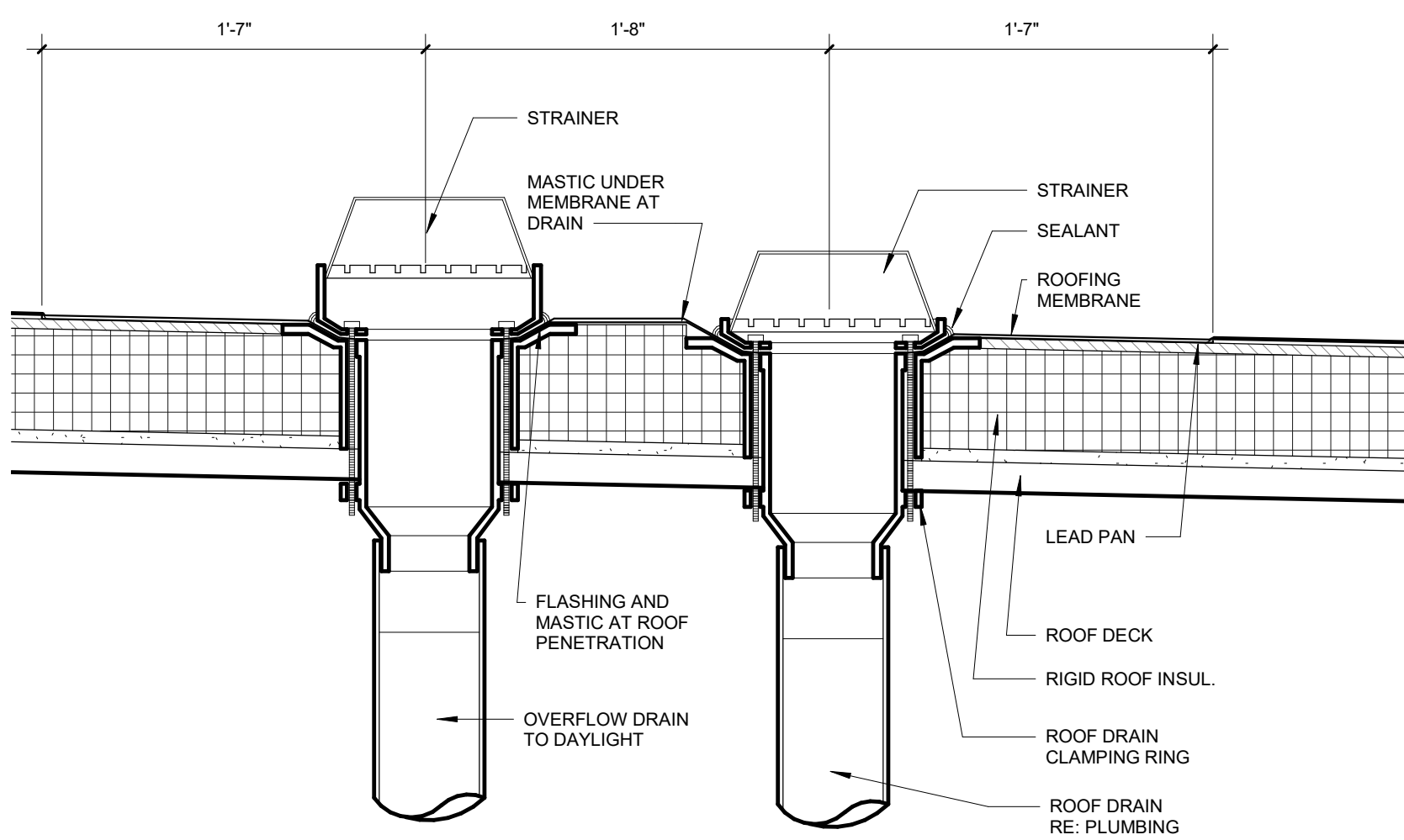
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D6 ROOF SCREEN DETAIL
1 1/2" = 1'-0"



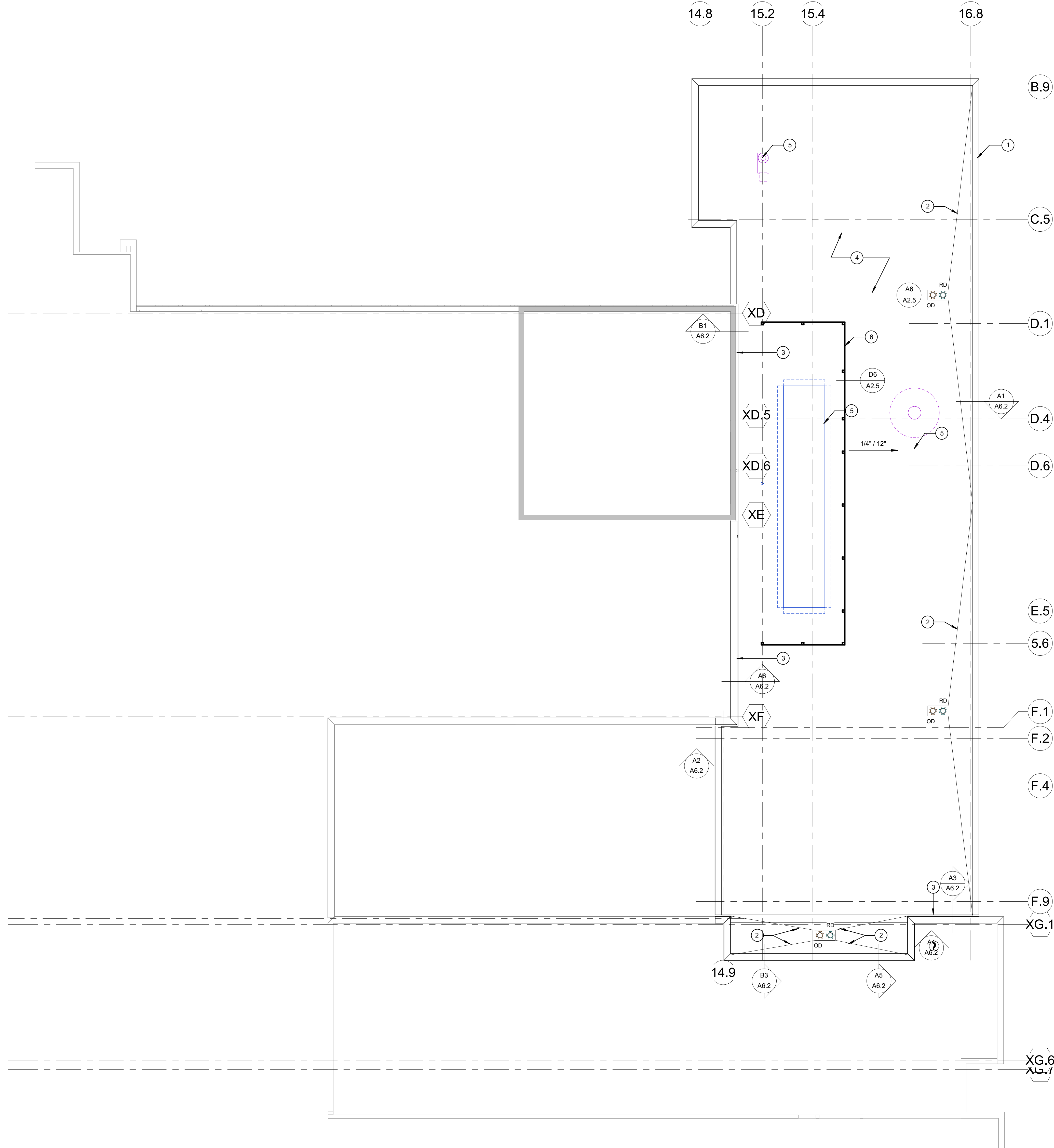
B6 DETAIL - SOUTH ROOF
1 1/2" = 1'-0"



A6 ROOF DRAIN W/ OVERFLOW DETAIL
1 1/2" = 1'-0"

KEYNOTES - ROOF PLAN

Number	Comments
1	PREFINISHED SHEET METAL COPING
2	TAPERED INSULATION AT CRICKETS WITH 1/4" FT. SLOPE
3	F.R. EXPANSION JOINT
4	SINGLE-PLY ROOF MEMBRANE ON RIGID INSULATION
5	MECHANICAL EQUIPMENT, RE. MECH.
6	ROOF SCREEN



A1 ROOF PLAN
1/8" = 1'-0"

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FOR NOTICE TO PROCEED

SAMUEL K. BECKMAN
ARCHITECT
02/11/2022

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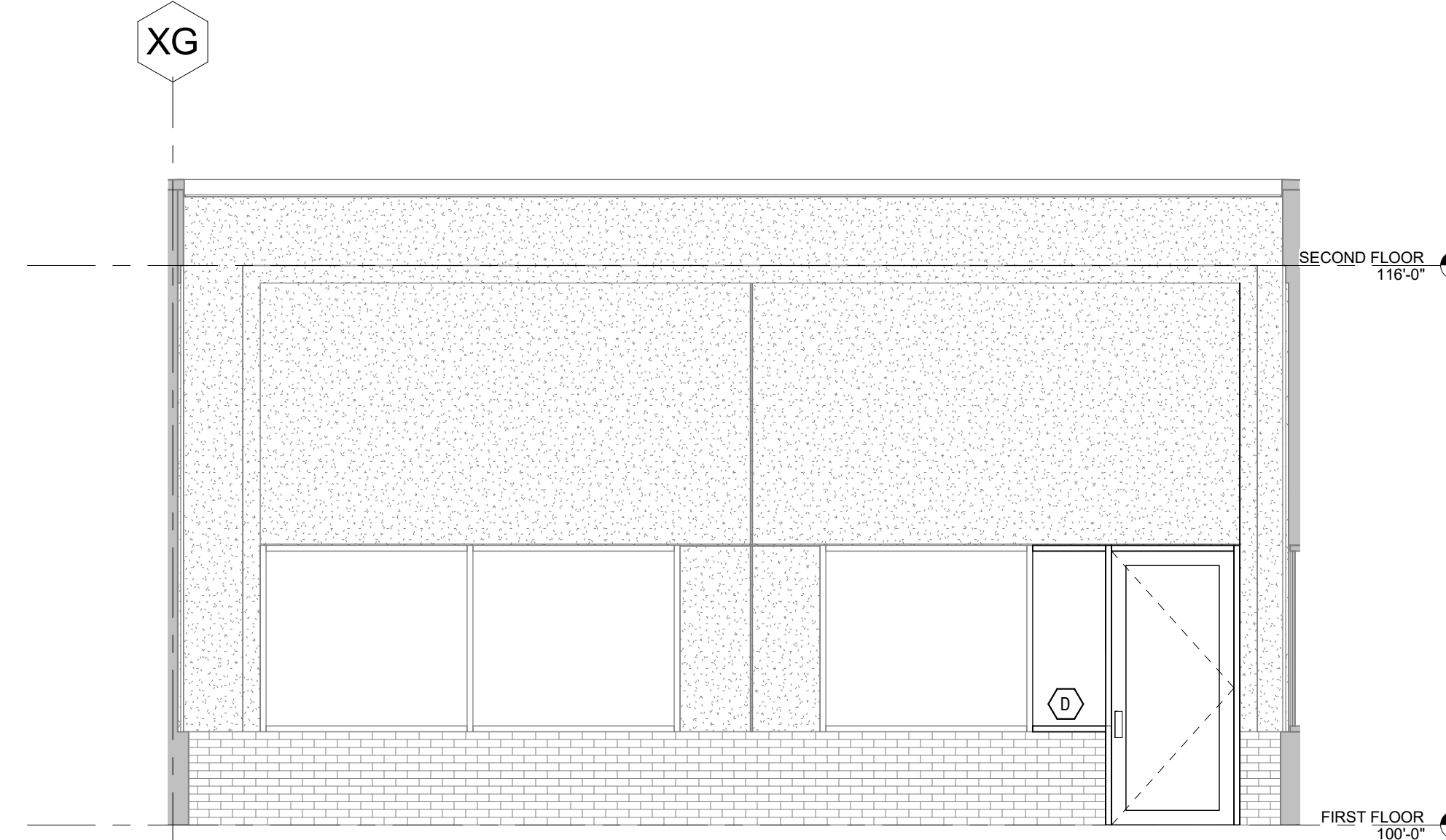
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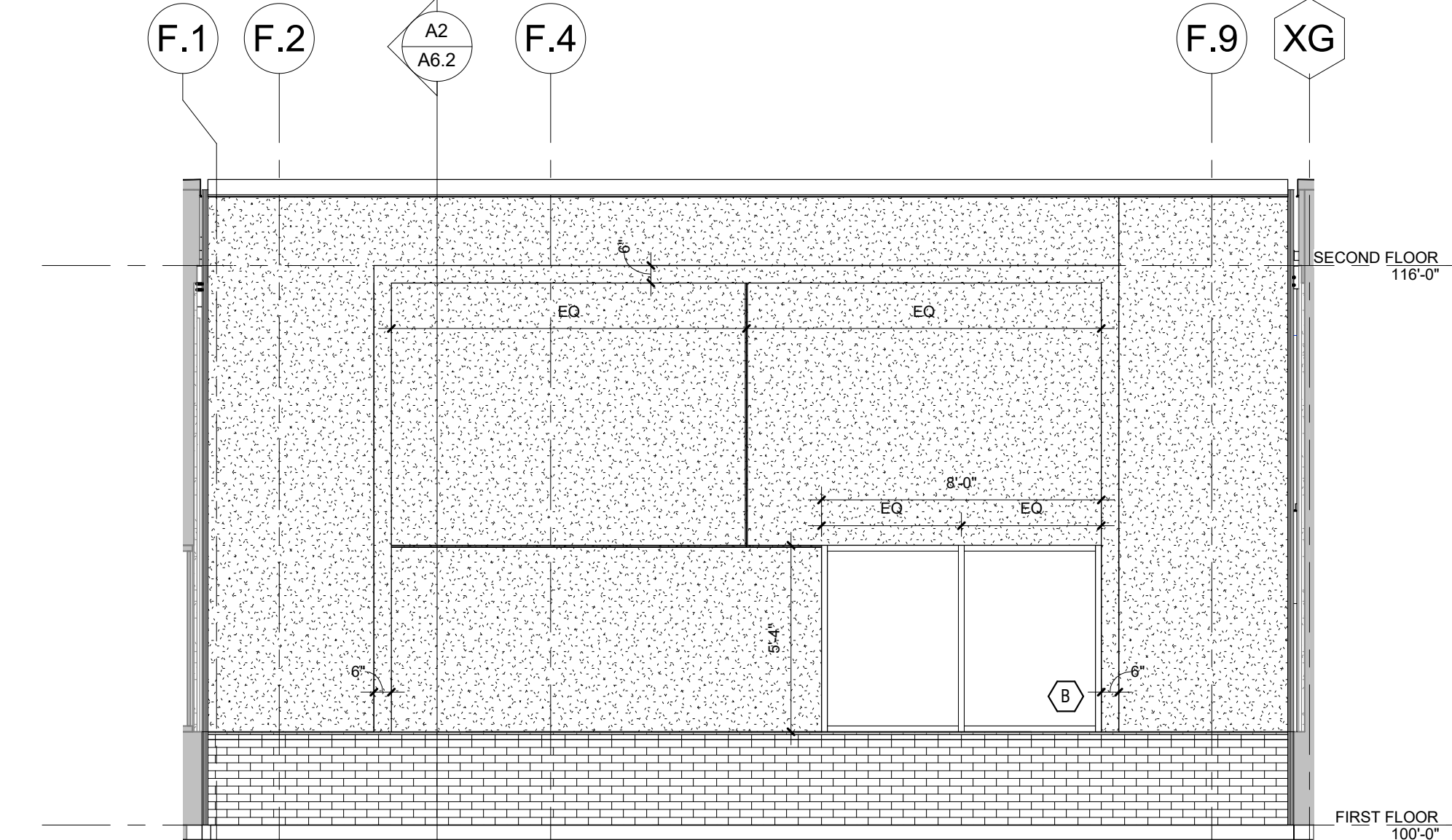
Date 01/14/2022
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Number	Date	Description
2	2/11/22	CITY COMMENTS

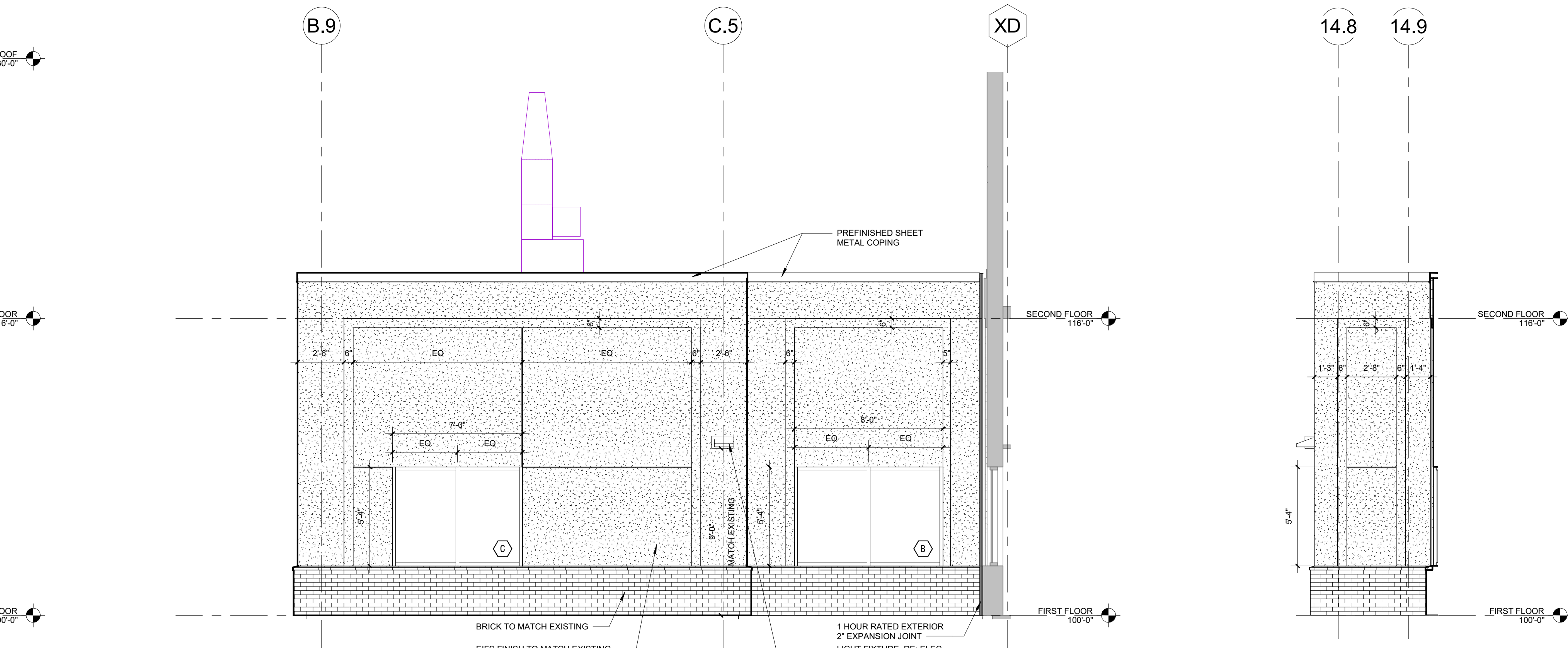
A5.1
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EXTERIOR ELEVATIONS



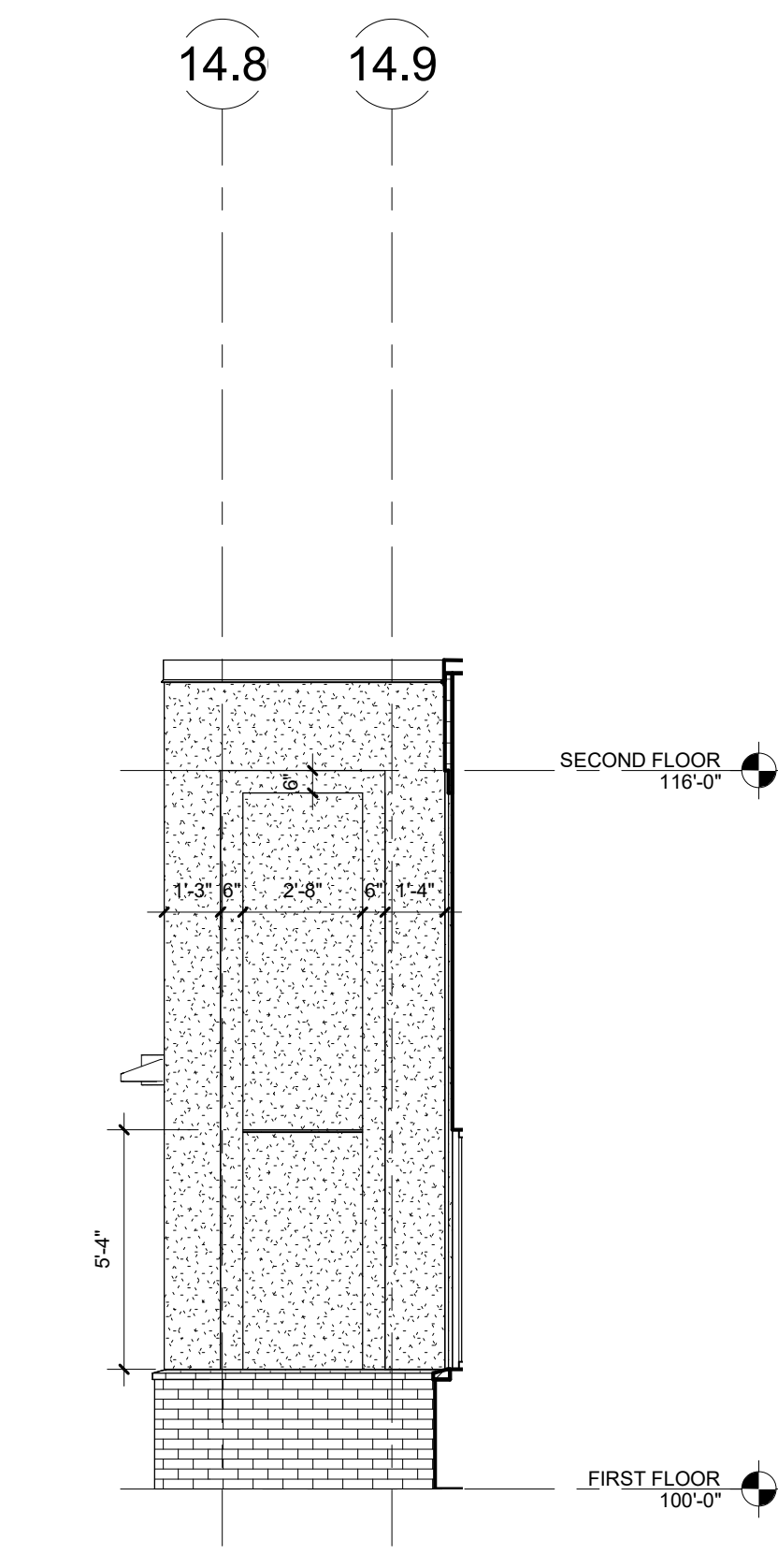
D4 ICU WAITING - EAST
1/4" = 1'-0"



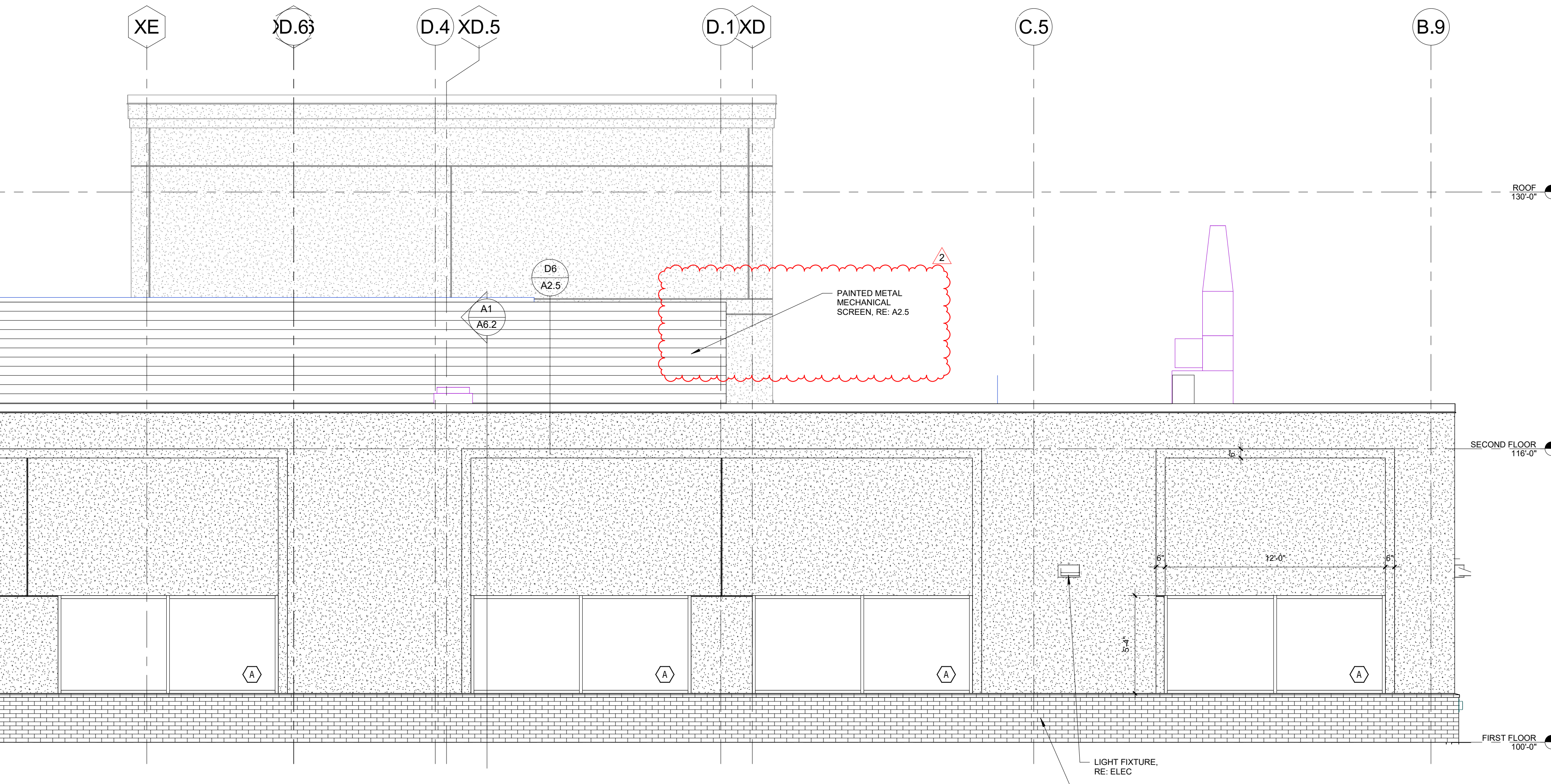
D1 ICU EXPANSION - WEST (SOUTH)
1/4" = 1'-0"



C4 ICU EXPANSION - WEST (NORTH)
1/4" = 1'-0"



C1 ICU EXPANSION - WEST RETURN
1/4" = 1'-0"



A1 ICU ELEVATION - EAST
1/4" = 1'-0"

XG

F.1

F.2

A2
A6.2

F.4

F.9

XG

16.8

15.4

15.2

14.9

14.8

B.9

C.5

XD

14.8

14.9

C6 ICU EXPANSION - NORTH
1/4" = 1'-0"

XG.1

XG

F.9

F.4

F.2

F.1

XF

5.6

E.5

XE

D.6

D.4

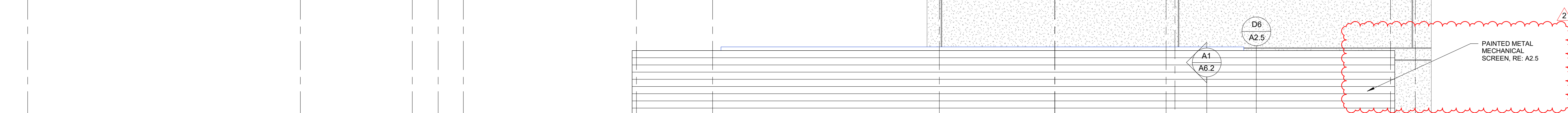
XD.5

D.1

XD

C.5

B.9



OVERFLOW, RE: PLUMB

LIGHT FIXTURE,
RE: ELEC
OVERFLOW, RE: PLUMB