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HCA MIDWEST HEALTH

LEE'S SUMMIT MEDICAL CENTER

FINAL DEVELOPMENT PLAN

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

P R O J E C T T E A M

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OWNER / DEVELOPER
HCA MIDWEST HEALTH

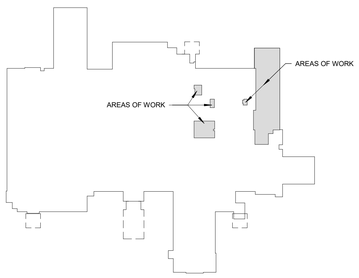
MIDWEST DIVISION - LSH, LLC
d/b/a LEE'S SUMMIT MEDICAL CENTER
2100 SE BLUE PARKWAY
LEE'S SUMMIT, MO 64063

PHONE 816.282.5018

ABBREVIATIONS

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

LOCATION PLAN



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

GENERAL NOTES

1. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH A.D.A. REQUIREMENTS AND ALL APPLICABLE LOCAL, STATE, AND FEDERAL BUILDING CODES AND REGULATIONS.
2. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL NECESSARY BUILDING PERMITS.
3. 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.
4. DO NOT SCALE DRAWINGS.
5. THE WORD "ALIGN" AND "EQUAL" AS USED IN THESE DOCUMENTS SHALL SUPERCEDE ANY DIMENSIONAL INFORMATION GIVEN.
6. 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.
7. 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.
8. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR CLEAN-UP.
9. 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

GENERAL
A0.0 FDP COVER
A0.2 CODE FOOTPRINT PLAN

CIVIL
C1.0 DEMOLITION PLAN
C2.0 GRADING/UTILITY PLAN
C3.0 DRAINAGE MAP AND CALCULATIONS
C4.0 STORM PLAN & 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
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Mr. John Flathers
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email: Nathan.Michael@kcpl.com

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Time Warner Cable
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email: greg.thomas@twcable.com

Telephone
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email: gc6954@att.com

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

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ARCHITECT
02/21/2022

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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	Author
Checked By	Checker

Revision

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

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FDP COVER

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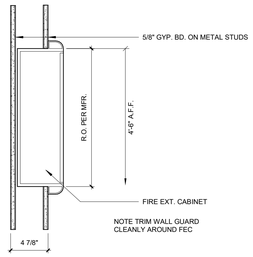


E2 F.E.C SECTION, NON-RATED WALL CONDITION
1 1/2" = 1'-0"

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
2018 International Building Code
2018 International Plumbing Code
2018 International Mechanical Code
2017 National Electrical Code (NFPA 70)
2018 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
Responding 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 = 58

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

2

PLANNING SUMMARY

Existing Zoning: CP-2

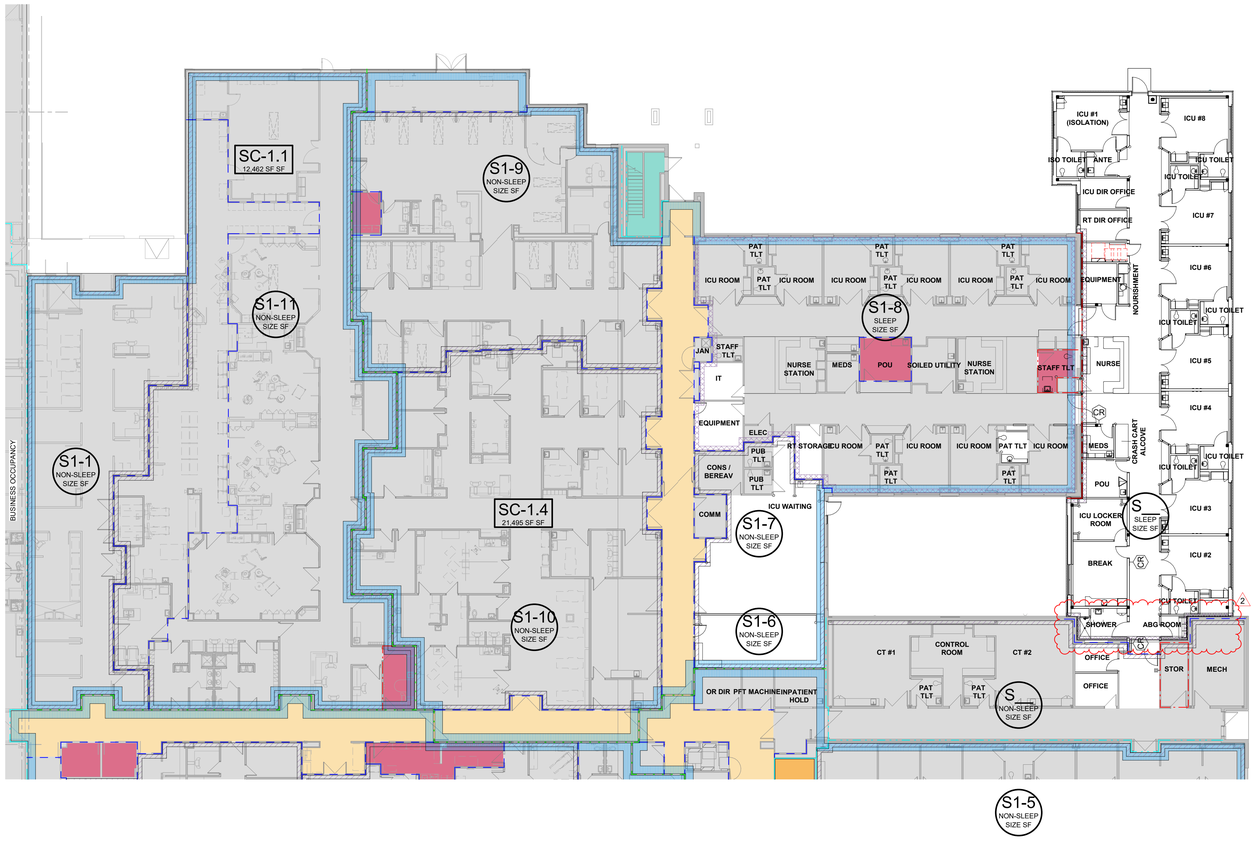
Required Parking

Existing Hospital	80 Beds	1.8/spaces/bed	144
Existing MOB	66,296 SF	5 spaces/1000SF	331
New MOB	56,503 SF	5 spaces/1000SF	283
ICU Addition	8 Beds	1.8/spaces/bed	14
		Total	772

Provided Parking	Standard	ADA	Total
Existing Parking	753	25	778
Demolished in this projet	(6)		-6
Total			772

Building Data	**SF**	**FAR**
Existing Hospital	154,406	.12
Existing MOB	66,296	.05
New MOB	56,503	.05
ICU Addition	5,955	.004
Total	282,760	.224

Impervious Surface Area	**Acre**	**SF**	**%**
Existing	10.70	466,148.77	37.42
Added	0.10	5,955	.002
Total	10.80	472,103.77	37.44



A1 FIRST FLOOR CODE PLAN
1/16" = 1'-0"

NORTH

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
- FIRE EXIT
- OCCUPANT LOAD
- EXIT WIDTH PROVIDED
- 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

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

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SAMUEL K. BECKMAN
A-2010012130
ARCHITECT
02/11/2022

Samuel K. Beckman - Architect
License - Missouri #A-2011012130

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LEE'S SUMMIT MEDICAL CENTER - ICU EXPANSION

2100 SE BLUE PARKWAY
LEE'S SUMMIT, MISSOURI 64063

Date	01/14/2022
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Revision

Number	Date	Description
2	2/11/22	CITY COMMENTS

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CODE FOOTPRINT PLAN

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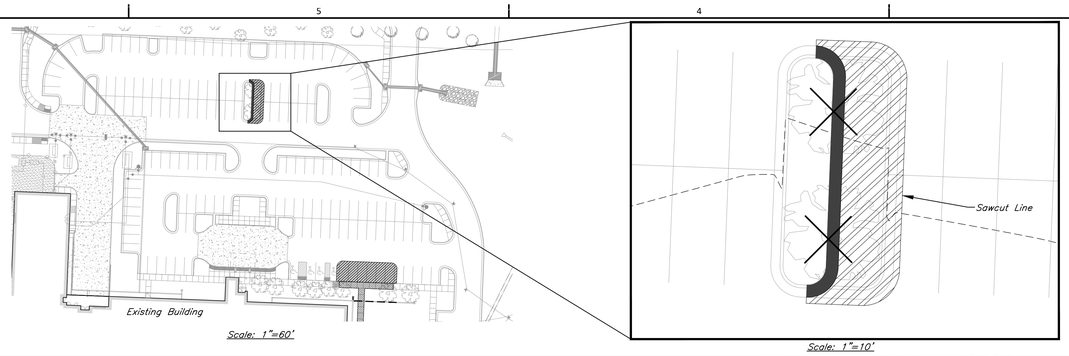
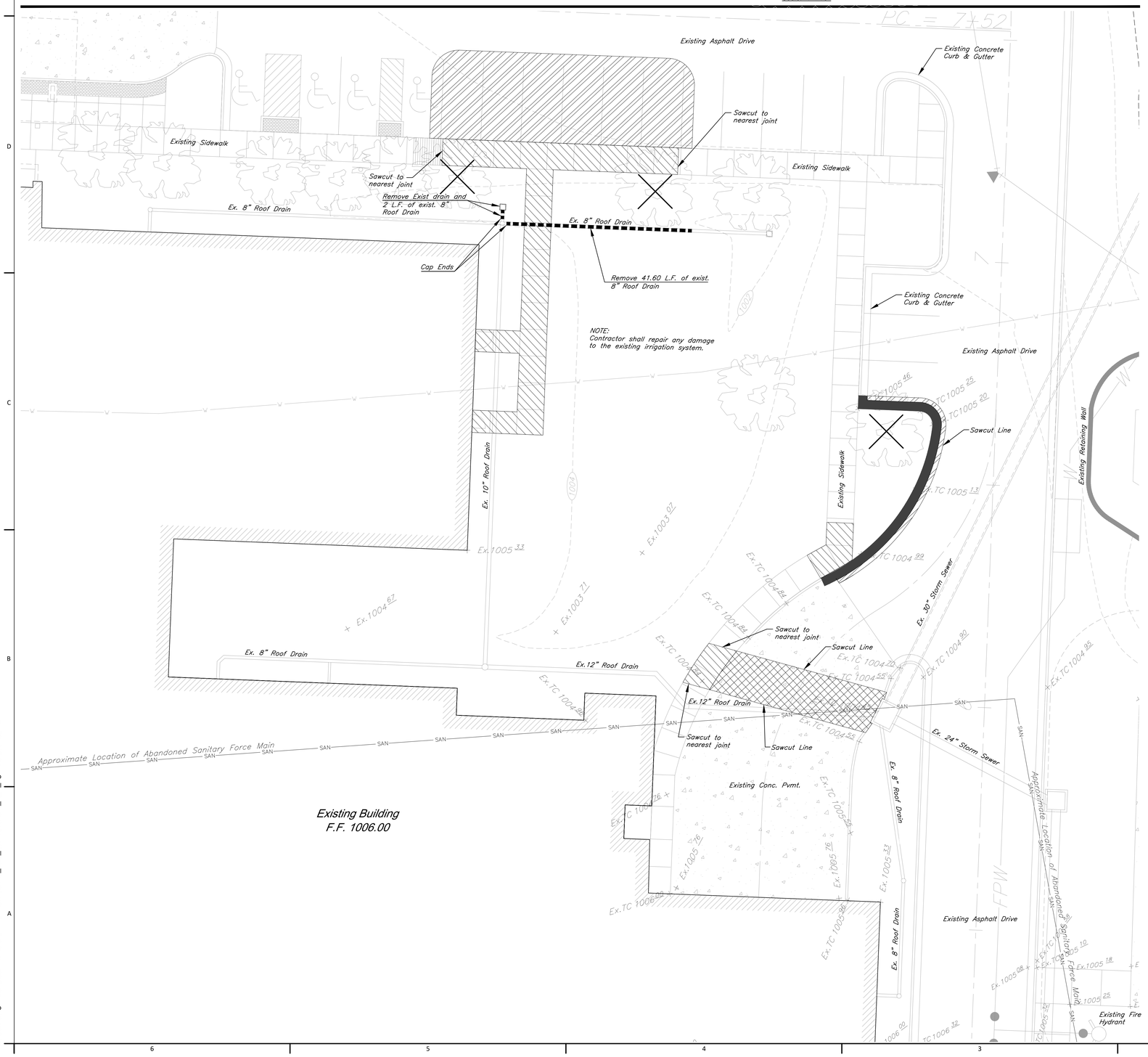


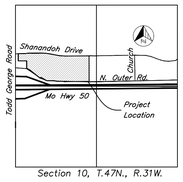
Scale: 1"=60'

Scale: 1"=10'



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

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



Section 10, T.47N., R.31W.

SECTION MAP

Scale: 1" = 2000'

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

10' 0' 10' 20'
SCALE : 1 INCH = 10 FEET

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 29095C0439G, 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

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

CIVIL ENGINEERING BY:

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

STATE OF MISSOURI
CLINT LOUMASTER
NUMBER PE-2011009651
REGISTERED PROFESSIONAL ENGINEER

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

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Licensee's Certificate of Authority Number:
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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	
5	3/2/2022	

C1.0

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Demolition Plan

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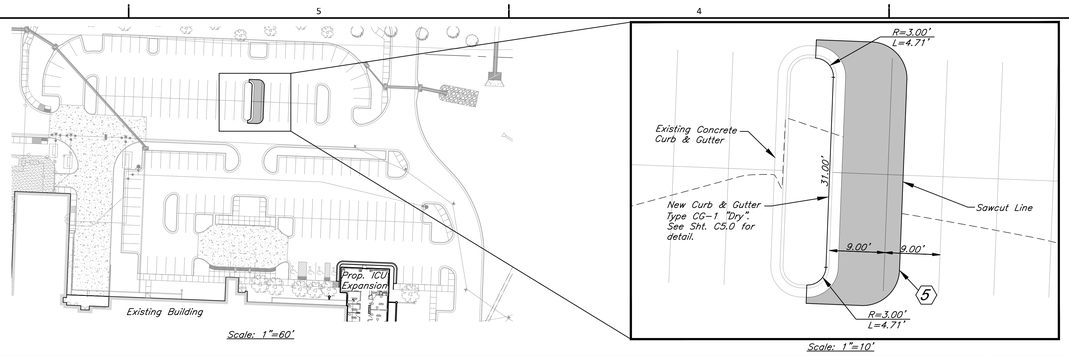

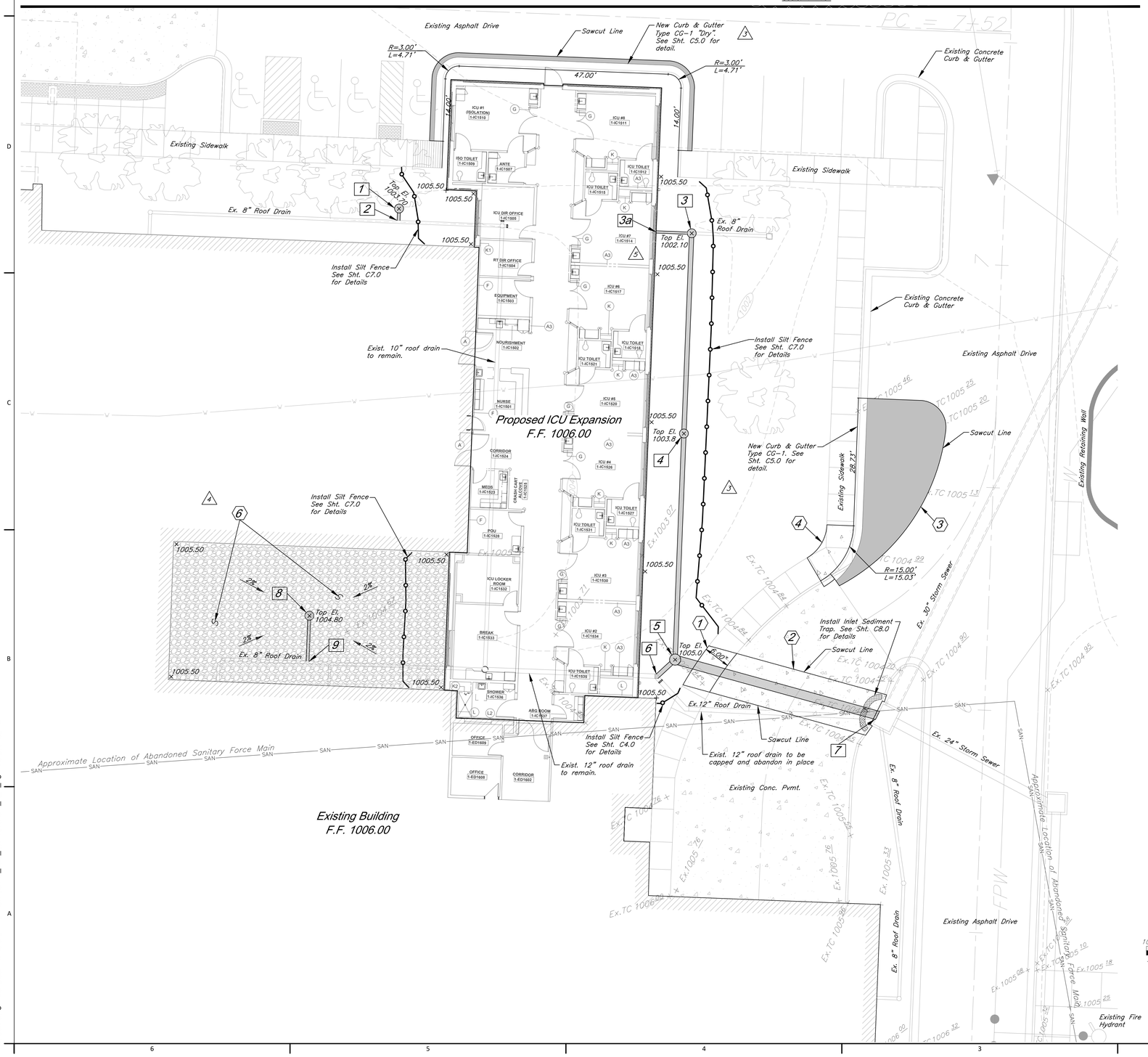

CONSTRUCTION NOTES:

1. Construct 63.50 S.F. Conc. Sidewalk. See Sht. C5.0 for Detail.
2. Construct 39.72 S.Y. 8" Portland Conc. Pavement. See Section on Sht. C5.0.
3. Construct 55.96 S.Y. Drive Area Asphalt. See Section on Sht. C5.0. (3)
4. Construct 72.13 S.F. Conc. Sidewalk. See Sht. C5.0 for Detail.
5. Construct 48.36 S.Y. Drive Area Asphalt. See Section on Sht. C5.0. (3)
6. Install 213 S.Y. of decorative rock. See Section on Sht. C5.0. (4)

NOTE:
Proposed sidewalk shall not exceed 1.5% cross-slope and a 7.5% running slope. (3)

ROOF/YARD DRAIN NOTES:

1. 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
2. Install 8"x8"x8" HDPE Tee, connect to exist. 8" drain
   Flowline = 998.38
3. Install 18" Nyloplast Drain Basin with Standard Lock Down Grate. Connect to exist. 8" to the East. (6) (5)
   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
3a. Proposed 6" Roof Drain.
   F.L. 6" (E)=1003.00, Install 8.00 L.F. of 6" HDPE @ 42.50%, connect to 3
4. Install 18" Nyloplast Inline Drain with Standard Lock Down Grate. (6) (5)
   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 (5) (3)
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 (5)
6. Remove existing 45° bend. Install 12"x45° HDPE Bend, Flowline = 996.10. Install 5.71 L.F. of 12" HDPE @ 1.00%, connect to 5
7. 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 (3)
8. 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
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

SCALE : 1 INCH = 10 FEET

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

811 Know what's below. Call before you dig.
Missouri One Call System
1-800-344-7483 (DIG-RITE) or 811

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Lenexa, Kansas 66219
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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	
4	2/25/2022	RFI #1
5	3/2/2022	
6	3/22/2022	

C2.0

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Grading-Utility Plan

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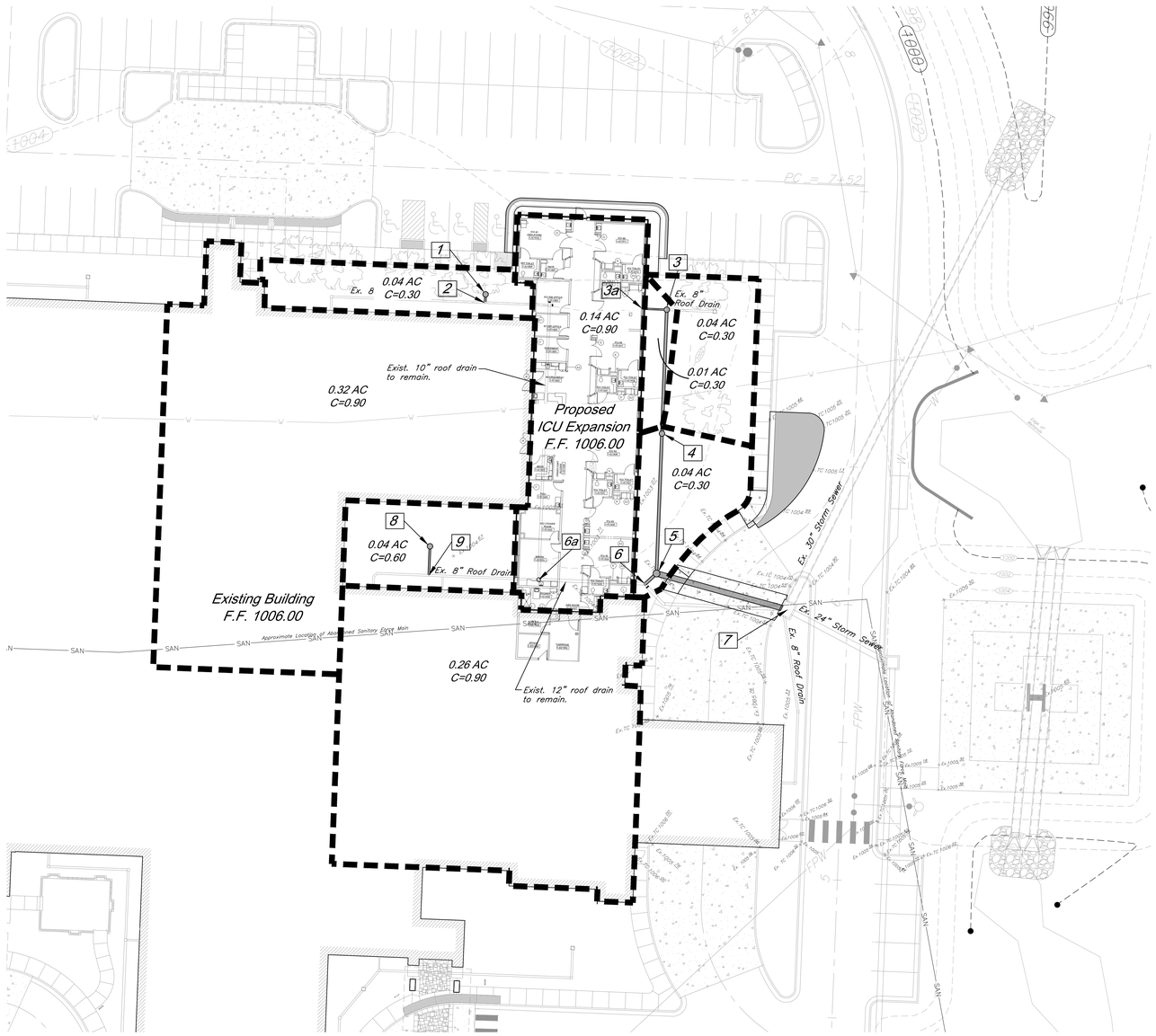

CAUTION!

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 From	Structures To	Runoff Calculations Direct Area (acre)	Line In Area (acre)	Total Area (acre)	C	K	Tc (min)	Flow Time (min)	Intensity (in/hr)	Design Q (cfs)	Pipe Design 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	Design Checks Hw/D	outlet head, H	HW, Inlet Control, (ft)	HW, Outlet Control, (ft)	Inlet Top Elevation	Upstream flowline	Downstream flowline	Inlet Drop (ft)	Downstream Water Elevation	Hydraulic Grade Elev. (Calculated)	Hydraulic Grade (Allowable)
	3	0.01	0.18		0.30	1.00	5.00		7.35	0.0	Nyloplast Grate Inlet													1002.10					999.58	1001.60
	4			0.19	0.30	1.00	5.00	0.26	7.35	0.4	RCP	45.00	1.00	18	0.013	10.53	1.77	5.96	2.86	0.7	0.00	999.58	999.13		998.57	998.12		999.13		
3->7	4	0.04			0.30	1.00	5.00		7.35	0.1	Nyloplast Grate Inlet													1003.80			0		999.13	1003.30
	5			0.23	0.30	1.00	5.26	0.28	7.27	0.5	RCP	50.81	1.00	18	0.013	10.53	1.77	5.96	3.05	0.7	0.00	999.13	996.96		998.12	997.61		996.95		
	5	0.00	0.66		0.90	1.00	5.00		7.35	0.0	Nyloplast w/ Solid Lid													1005.00			2		996.95	1004.50
	7			0.89	0.08	1.00	5.54	0.28	7.19	0.5	RCP	49.21	1.00	24	0.013	22.68	3.14	7.22	2.94	0.7	0.00	996.95	996.12		995.61	995.12		996.12		
																													996.12	
	1	0.04			0.30	1.00	5.00		7.35	0.1	Nyloplast Grate Inlet													1003.70					999.13	1003.20
1->2	2			0.04	0.30	1.00	5.00	0.01	7.35	0.1	RCP	3.00	10.00	8	0.013	3.83	0.35	10.98	4.70	0.7	0.00	999.13	998.71		998.68	998.38		998.71		
																													998.71	
	8	0.04			0.60	1.00	5.00		7.35	0.2	Nyloplast Grate Inlet													1004.80					1001.26	1004.30
8->9	9			0.04	0.60	1.00	5.00	0.03	7.35	0.2	RCP	10.54	13.85	8	0.013	4.51	0.35	12.92	6.46	0.7	0.01	1001.26	999.68		1000.80	999.34		999.67		
																													999.67	

100 Year Storm

Structures From	Structures To	Runoff Calculations Direct Area (acre)	Line In Area (acre)	Total Area (acre)	C	K	Tc (min)	Flow Time (min)	Intensity (in/hr)	Design Q (cfs)	Pipe Design 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	Design Checks Hw/D	outlet head, H	HW, Inlet Control, (ft)	HW, Outlet Control, (ft)	Inlet Top Elevation	Upstream flowline	Downstream flowline	Inlet Drop (ft)	Downstream Water Elevation	Hydraulic Grade Elev. (Calculated)	Hydraulic Grade (Allowable)
	3	0.01	0.18		0.30	1.25	5.00		10.32	0.0	Nyloplast Grate Inlet													1002.10					999.58	1001.60
	4			0.19	0.30	1.25	5.00	0.18	10.32	0.7	RCP	45.00	1.00	18	0.013	10.53	1.77	5.96	4.06	0.7	0.01	999.58	999.14		998.57	998.12		999.14		
3->7	4	0.04			0.30	1.25	5.00		10.32	0.2	Nyloplast Grate Inlet													1003.80			0		999.14	1003.30
	5			0.23	0.30	1.25	5.18	0.19	10.25	0.9	RCP	50.81	1.00	18	0.013	10.53	1.77	5.96	4.37	0.7	0.01	999.14	996.97		998.12	997.61		996.96		
	5	0.00	0.66		0.90	1.25	5.00		10.32	0.0	Nyloplast w/ Solid Lid													1005.00			2		996.96	1004.50
	7			0.89	0.08	1.25	5.38	0.19	10.17	0.9	RCP	49.21	1.00	24	0.013	22.68	3.14	7.22	4.21	0.7	0.00	996.96	996.12		995.61	995.12		996.12		
																													996.12	
	1	0.04			0.30	1.25	5.00		10.32	0.2	Nyloplast Grate Inlet													1003.70					999.13	1003.20
1->2	2			0.04	0.30	1.25	5.00	0.01	10.32	0.2	RCP	3.00	10.00	8	0.013	3.83	0.35	10.98	6.95	0.7	0.00	999.13	998.72		998.68	998.38		998.71		
																													998.71	
	8	0.04			0.60	1.25	5.00		10.32	0.3	Nyloplast Grate Inlet													1004.80					1001.28	1004.30
8->9	9			0.04	0.60	1.25	5.00	0.02	10.32	0.3	RCP	10.54	13.85	8	0.013	4.51	0.35	12.92	8.79	0.7	0.03	1001.28	999.70		1000.80	999.34		999.67		
																													999.67	

6

20' 0' 20' 40'

SCALE : 1 INCH = 20 FEET

CIVIL ENGINEERING BY:

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LEE'S SUMMIT MEDICAL CENTER - ICU EXPANSION

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

Revision

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4	2/25/2022	RFI #1
5	3/2/2022	
6	3/22/2022	

5

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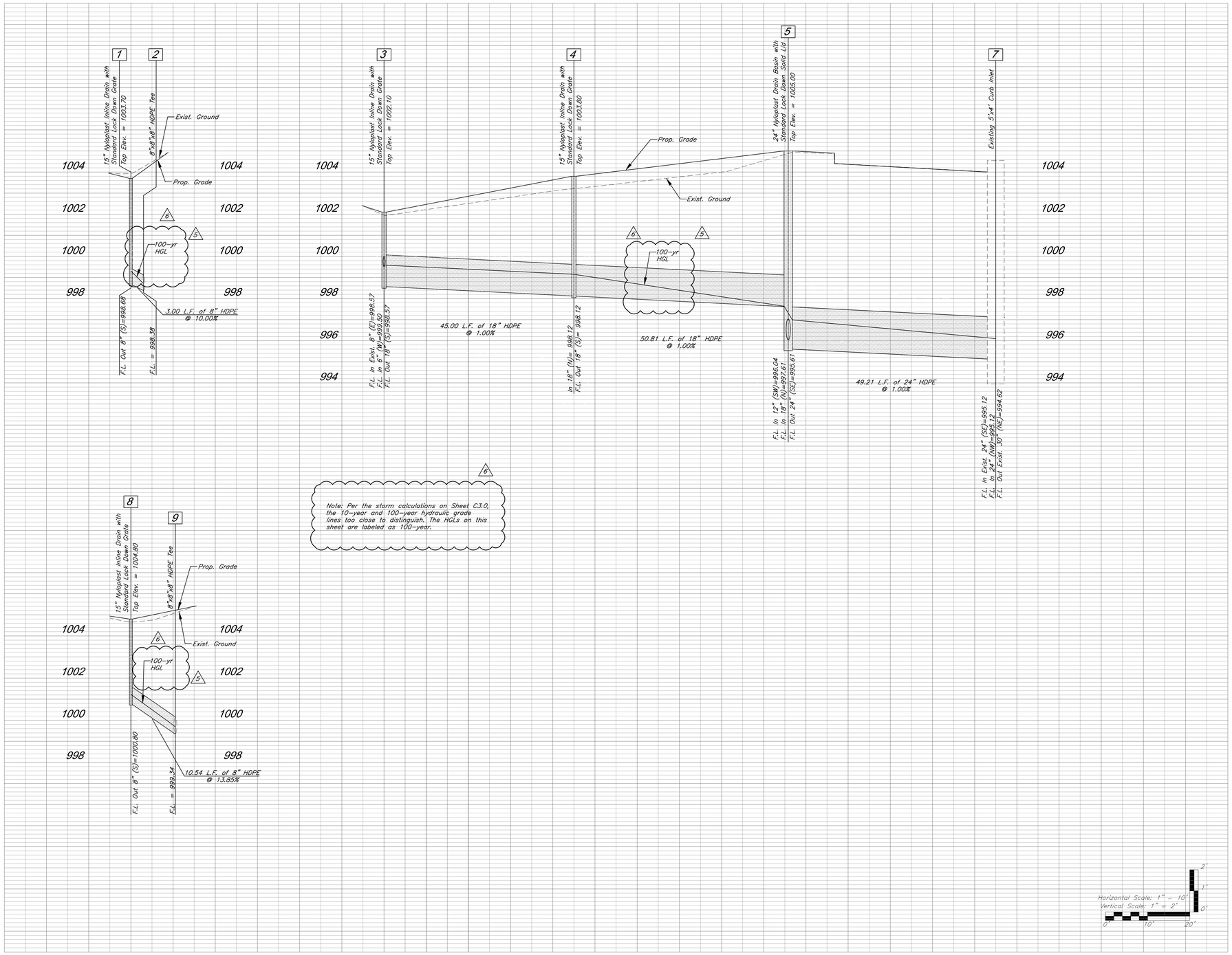
Drainage Map and Calculations



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6	3/22/2022	

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Storm Plan & Profiles

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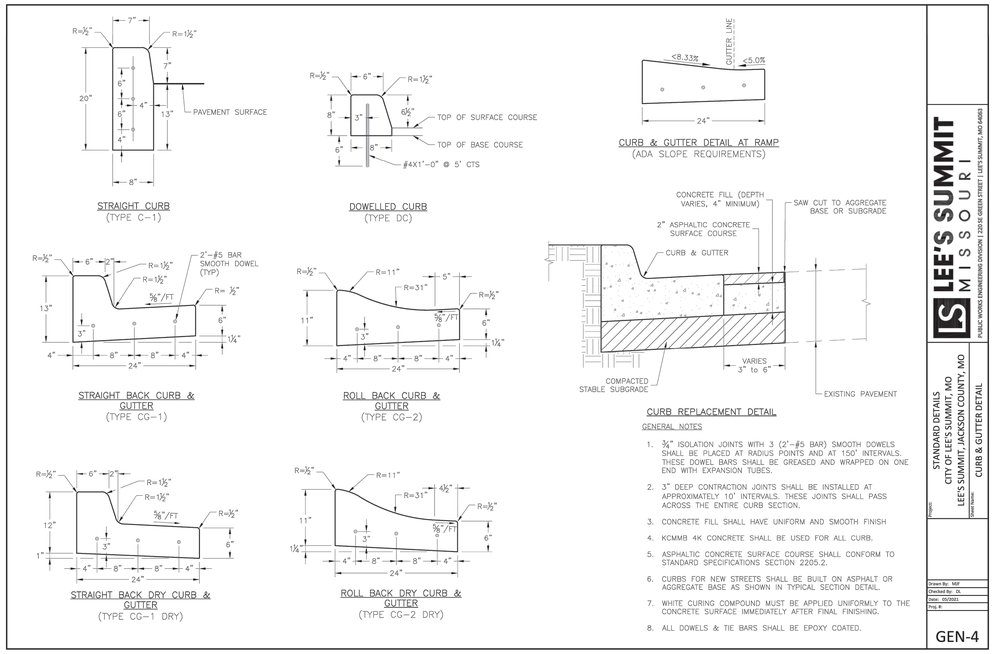


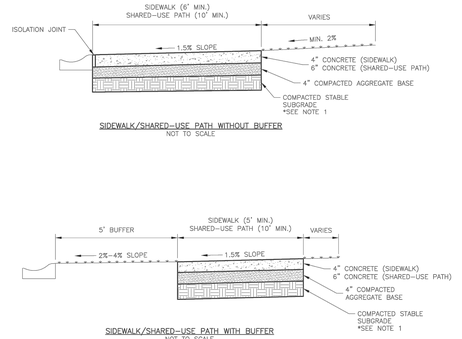
GENERAL NOTES

1. ¾" ISOLATION JOINTS WITH 3 (2"-#5 BAR) SMOOTH DOWELS SHALL BE PLACED AT RADIUS POINTS AND AT 150' INTERVALS. THESE DOWEL BARS SHALL BE GREASED AND WRAPPED ON ONE END WITH EXPANSION TUBES.
2. 3" DEEP CONTRACTION JOINTS SHALL BE INSTALLED AT APPROXIMATELY 10' INTERVALS. THESE JOINTS SHALL PASS ACROSS THE ENTIRE CURB SECTION.
3. CONCRETE FILL SHALL HAVE UNIFORM AND SMOOTH FINISH
4. KCMMB 4K CONCRETE SHALL BE USED FOR ALL CURB.
5. ASPHALTIC CONCRETE SURFACE COURSE SHALL CONFORM TO STANDARD SPECIFICATIONS SECTION 2205.2.
6. CURBS FOR NEW STREETS SHALL BE BUILT ON ASPHALT OR AGGREGATE BASE AS SHOWN IN TYPICAL SECTION DETAIL.
7. WHITE CURING COMPOUND MUST BE APPLIED UNIFORMLY TO THE CONCRETE SURFACE IMMEDIATELY AFTER FINAL FINISHING.
8. ALL DOWELS & TIE BARS SHALL BE EPOXY COATED.

LEE'S SUMMIT MISSOURI
PUBLIC WORKS ENGINEERING DIVISION | 220 SE GREEN STREET | LEE'S SUMMIT, MO 64063

STANDARD DETAILS
CITY OF LEE'S SUMMIT, MO
LEE'S SUMMIT, JACKSON COUNTY, MO
CURB & GUTTER DETAIL

Project:
Sheet Name:
Drawn By: MJF
Checked By: DL
Date: 05/2021
Proj. #:
GEN-4



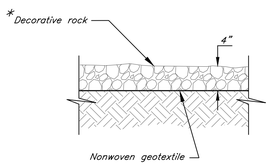
GENERAL NOTES:

1. SUBGRADE MUST BE OF STABLE, COMPACTED EARTH AND SHALL BE OVERLAYED WITH 4" COMPACTED DENSE GRADED AGGREGATE BASE.
2. 1.5% CROSS SLOPE MUST BE MAINTAINED THROUGH DRIVEWAYS.
3. KCMMB 4K CONCRETE MIX SHALL BE REQUIRED FOR ALL SIDEWALKS/SHARED-USE PATHS.
4. ALL SIDEWALK/SHARED-USE PATHS SHALL MEET CURRENT PUBLIC RIGHT OF WAY ACCESSIBILITY GUIDELINES (PROWAG).
5. AN ISOLATION JOINT SHALL BE PLACED AT A MAXIMUM OF 100 FT. CONSTRUCTION JOINTS SHALL BE PLACED THE SAME WIDTH OF SIDEWALK/SHARED-USE PATHS, BUT NO GREATER THAN 10 FT.
6. AN ISOLATION JOINT SHALL BE PLACED WHERE THE SIDEWALK/SHARED-USE PATHS MEETS A RESIDENTIAL DRIVEWAY.
7. SHARED-USE PATHS WIDTH SHALL BE 10 FT. WIDE.
8. SIDEWALK/SHARED-USE PATHS FINISHING SHALL BE FULL BROOM FINISH OR AS DIRECTED BY CITY INSPECTOR.
9. WHITE CURING COMPOUND MUST BE APPLIED UNIFORMLY TO THE CONCRETE SURFACE IMMEDIATELY AFTER FINAL FINISHING.

LEE'S SUMMIT MISSOURI
PUBLIC WORKS ENGINEERING DIVISION | 220 SE GREEN STREET | LEE'S SUMMIT, MO 64063

SIDEWALK/SHARED-USE PATH DETAIL

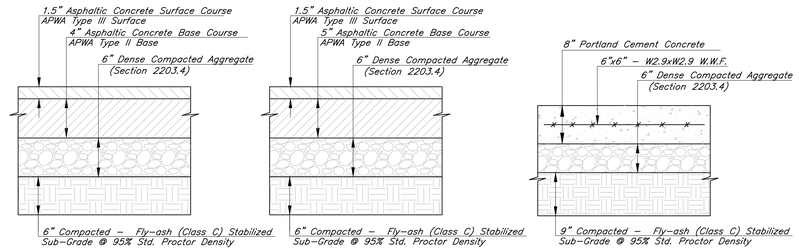
Date: 05/2021
Drawn By: MJF
Checked By: DL
GEN-2



* Contractor to provide samples to architect for approval prior to installation.

COURTYARD GRAVEL SECTION

Not to Scale



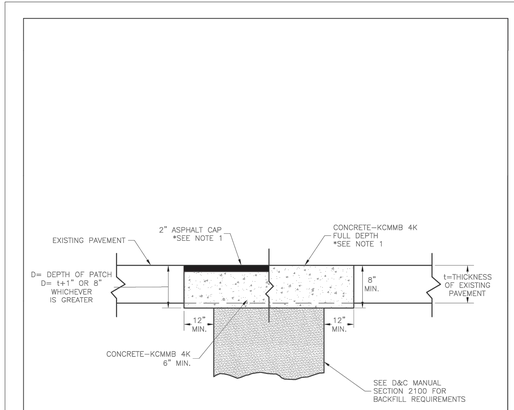
PARKING AREA PAVEMENT | DRIVE AREA PAVEMENT | HEAVY DUTY CONCRETE PAVEMENT

NOTES:

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

TYPICAL PAVEMENT SECTIONS

Not to Scale



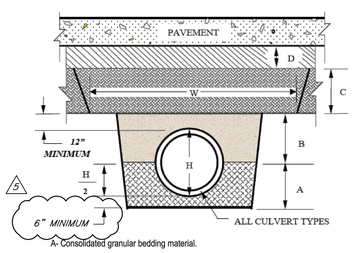
NOTE:

1. ASPHALT CAP OR FULL DEPTH CONCRETE SHALL BE DETERMINED BY CITY INSPECTOR.

LEE'S SUMMIT MISSOURI
PUBLIC WORKS ENGINEERING DIVISION | 220 SE GREEN STREET | LEE'S SUMMIT, MO 64063

TRENCHING/PATCHING ROADWAYS DETAIL

Date: 05/2021
Drawn By: MJF
Checked By: DL
GEN-5



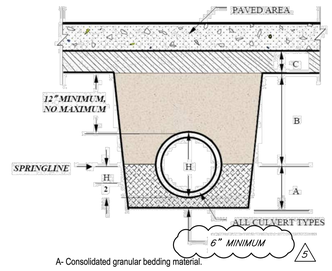
A- Consolidated granular bedding material.

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 USING EARTH COMPACTION EQUIPMENT OR IN DEPTHS EXCEEDING 30" OF COVER

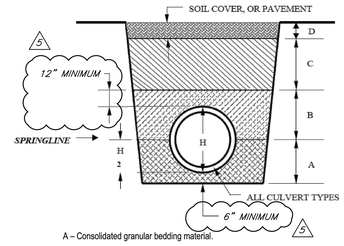


A- Consolidated granular bedding material.

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.

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



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.

TRENCHES OUTSIDE OF STREET PAVEMENTS

TRENCHING DETAILS

Not to Scale

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

C5.0

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Construction Details

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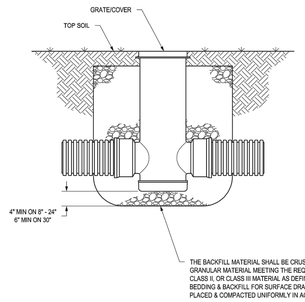
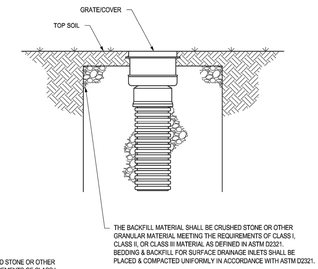
3

NON TRAFFIC INSTALLATION

DRAIN BASIN



INLINE DRAIN



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DATE	9-30-99		
REVISED BY	NMH	PROJECT NO./NAME	
DATE	03-11-16		
DWG SIZE	A	SCALE 1:25	SHEET 1 OF 1

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FAX (770) 932-2485
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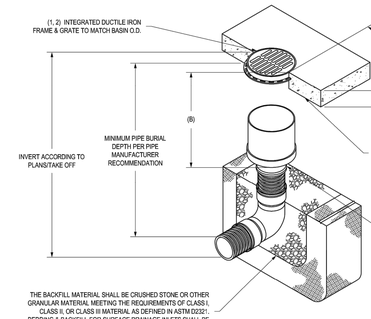
TITLE DRAIN BASIN & INLINE DRAIN NON TRAFFIC INSTALLATION

DWG NO. 7001-110-111 REV E

NYLOPLAST 18" INLINE DRAIN: 2718AG _ _ X



ADAPTER SIZE	B
4"	14.00
6"	14.00
8"	14.00
10"	14.00
12"	14.00
15"	13.50
18"	8.25

TRAFFIC LOADS: CONCRETE SLAB DIMENSIONS ARE FOR GUIDELINE PURPOSES ONLY. ACTUAL CONCRETE SLAB MUST BE DESIGNED TAKING INTO CONSIDERATION LOCAL SOIL CONDITIONS, TRAFFIC LOADING, & OTHER APPLICABLE DESIGN FACTORS. SEE DRAWING NO. 7001-110-111 FOR NON TRAFFIC INSTALLATION.

(3) VARIOUS TYPES OF INLET & OUTLET ADAPTERS AVAILABLE: 4" - 18" FOR CORRUGATED HDPE (ADS N-12/HANCOR DUAL WALL, ADS/HANCOR SINGLE WALL), N-12 HP, PVC SEWER (EX: SDR 35), PVC DWV (EX: SCH 40), PVC C900/C905, CORRUGATED & RIBBED PVC (CORRUGATED HDPE SHOWN)

GRATE OPTIONS	LOAD RATING	PART #	DRAWING #
PEDESTRIAN	MEETS H-10	1899CGP	7001-110-212
STANDARD	MEETS H-20	1899CGS	7001-110-213
SOLID COVER	MEETS H-20	1899CGC	7001-110-214
DOME	N/A	1899CGD	7001-110-215
DROP IN GRATE	LIGHT DUTY	18CIG	7001-110-074

1 - GRATES/SOLID COVER SHALL BE DUCTILE IRON PER ASTM A536 GRADE 70-50-05.
2 - FRAMES SHALL BE DUCTILE IRON PER ASTM A536 GRADE 70-50-05.
3 - DRAINAGE CONNECTION STUB JOINT TIGHTNESS SHALL CONFORM TO ASTM D3212 FOR CORRUGATED HDPE (ADS N-12/HANCOR DUAL WALL), N-12 HP, & PVC SEWER.
4 - DIMENSIONS ARE FOR REFERENCE ONLY. ACTUAL DIMENSIONS MAY VARY.
5 - DIMENSIONS ARE IN INCHES
6 - SEE DRAWING NO. 7001-110-275 FOR ADS N-12 & HANCOR DUAL WALL BELL INFORMATION & DRAWING NO. 7001-110-364 FOR N-12 HP BELL INFORMATION.

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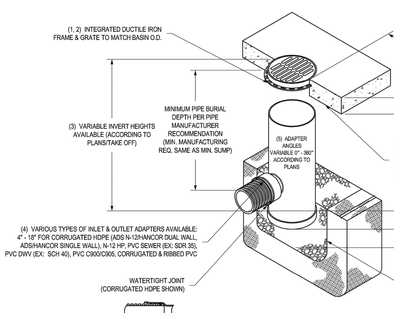
TITLE 18 IN INLINE DRAIN QUICK SPEC INSTALLATION DETAIL

DWG NO. 7003-110-027 REV E

NYLOPLAST 18" DRAIN BASIN: 2818AG _ _ X



TRAFFIC LOADS: CONCRETE SLAB DIMENSIONS ARE FOR GUIDELINE PURPOSES ONLY. ACTUAL CONCRETE SLAB MUST BE DESIGNED TAKING INTO CONSIDERATION LOCAL SOIL CONDITIONS, TRAFFIC LOADING, & OTHER APPLICABLE DESIGN FACTORS. SEE DRAWING NO. 7001-110-111 FOR NON TRAFFIC INSTALLATION.

GRATE OPTIONS	LOAD RATING	PART #	DRAWING #
PEDESTRIAN	MEETS H-10	1899CGP	7001-110-212
STANDARD	MEETS H-20	1899CGS	7001-110-213
SOLID COVER	MEETS H-20	1899CGC	7001-110-214
DOME	N/A	1899CGD	7001-110-215
DROP IN GRATE	LIGHT DUTY	18CIG	7001-110-074

1 - GRATES/SOLID COVER SHALL BE DUCTILE IRON PER ASTM A536 GRADE 70-50-05.
2 - FRAMES SHALL BE DUCTILE IRON PER ASTM A536 GRADE 70-50-05.
3 - DRAIN BASIN TO BE CUSTOM MANUFACTURED ACCORDING TO PLAN DETAILS. RISERS ARE NEEDED FOR BASINS OVER 84" DUE TO SHIPPING RESTRICTIONS. SEE DRAWING NO. 7001-110-065.
4 - DRAINAGE CONNECTION STUB JOINT TIGHTNESS SHALL CONFORM TO ASTM D3212 FOR CORRUGATED HDPE (ADS N-12/HANCOR DUAL WALL), N-12 HP, & PVC SEWER.
5 - ADAPTERS CAN BE MOUNTED ON ANY ANGLE 0° TO 360°. TO DETERMINE MINIMUM ANGLE BETWEEN ADAPTERS SEE DRAWING NO. 7001-110-012.

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TITLE 18 IN DRAIN BASIN QUICK SPEC INSTALLATION DETAIL

DWG NO. 7001-110-191 REV E

5

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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	
5	3/2/2022	

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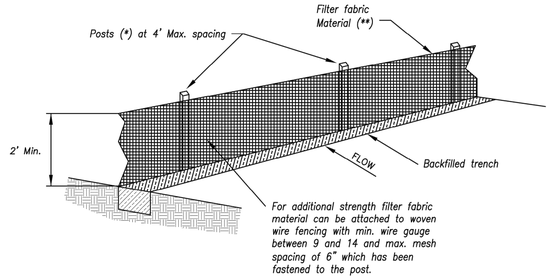
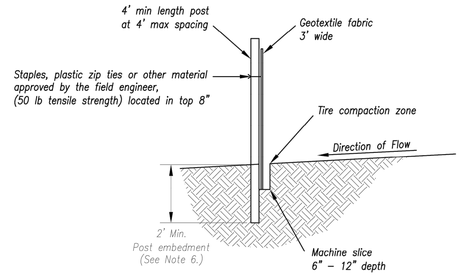
Storm Sewer Details





(*) 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 ⅓ the height of silt fence.
2. Repair as necessary to maintain function and structure.

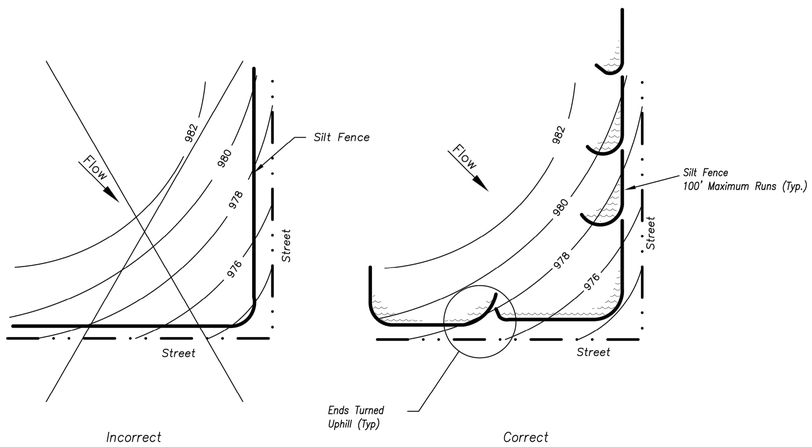
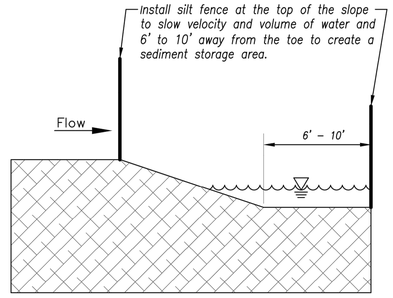
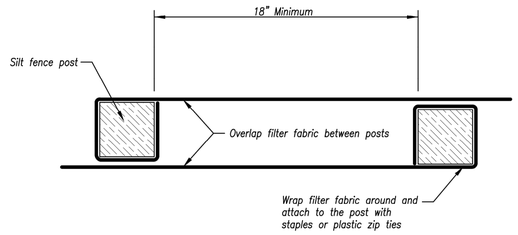


Figure A

SILT FENCE LAYOUT

Not to Scale





JOINING FENCE SECTIONS

Not to Scale

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

AMERICAN PUBLIC WORKS ASSOCIATION

Kansas City Metro Chapter APWA AMERICAN PUBLIC WORKS ASSOCIATION

KANSAS CITY METRO CHAPTER

SILT FENCE

STANDARD DRAWING NUMBER ESC-03

ADOPTED: 10/24/2016

3

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LEE'S SUMMIT MEDICAL CENTER - ICU EXPANSION

2100 SE BLUE PARKWAY
LEE'S SUMMIT, MISSOURI 64063

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Drawn By	HG
Checked By	Checker

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3	2/11/2022	

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Erosion Control Details

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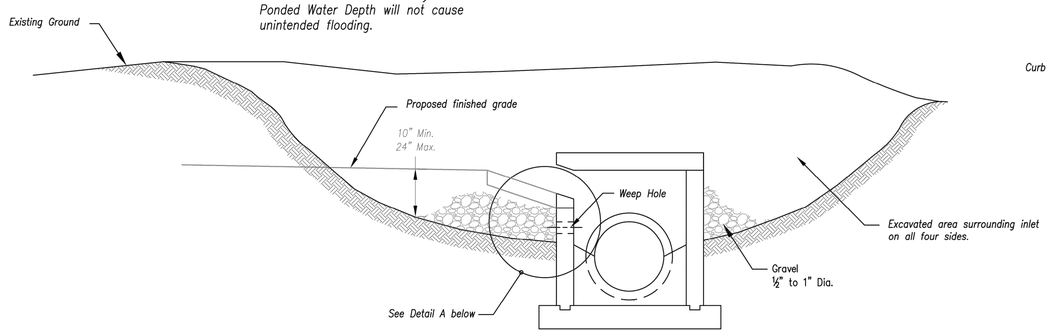
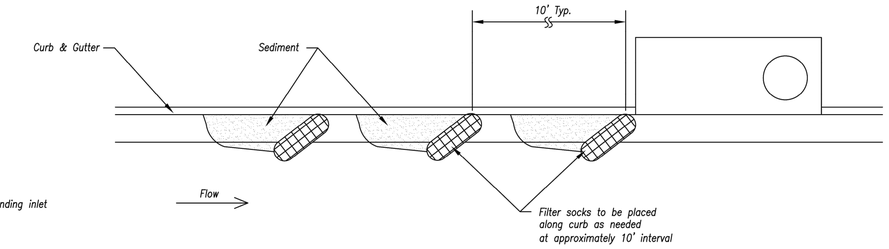
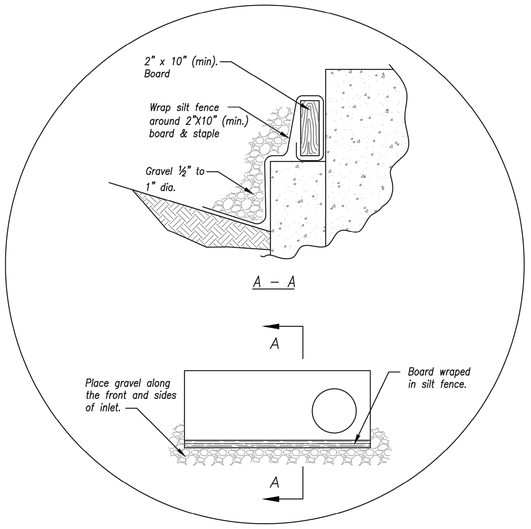
* Contractor shall field verify that Ponded Water Depth will not cause unintended flooding.





On Grade Curb Inlet Protection



Detail A

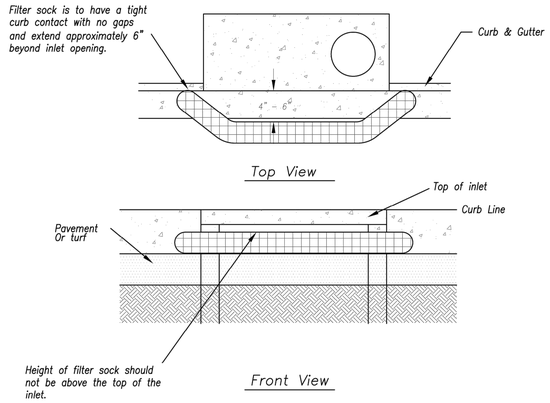
EARLY STAGE CURB INLET
(Open Box and Prior to Pouring Curb and Inlet Throat)

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.



Sump Inlet Sediment Filter

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

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

AMERICAN PUBLIC WORKS ASSOCIATION

Kansas City Metro Chapter APWA AMERICAN PUBLIC WORKS ASSOCIATION

KANSAS CITY METRO CHAPTER

CURB INLET PROTECTION

STANDARD DRAWING NUMBER ESC-06

ADOPTED: 10/24/2016

3

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LEE'S SUMMIT MEDICAL CENTER - ICU EXPANSION

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Erosion Control Details

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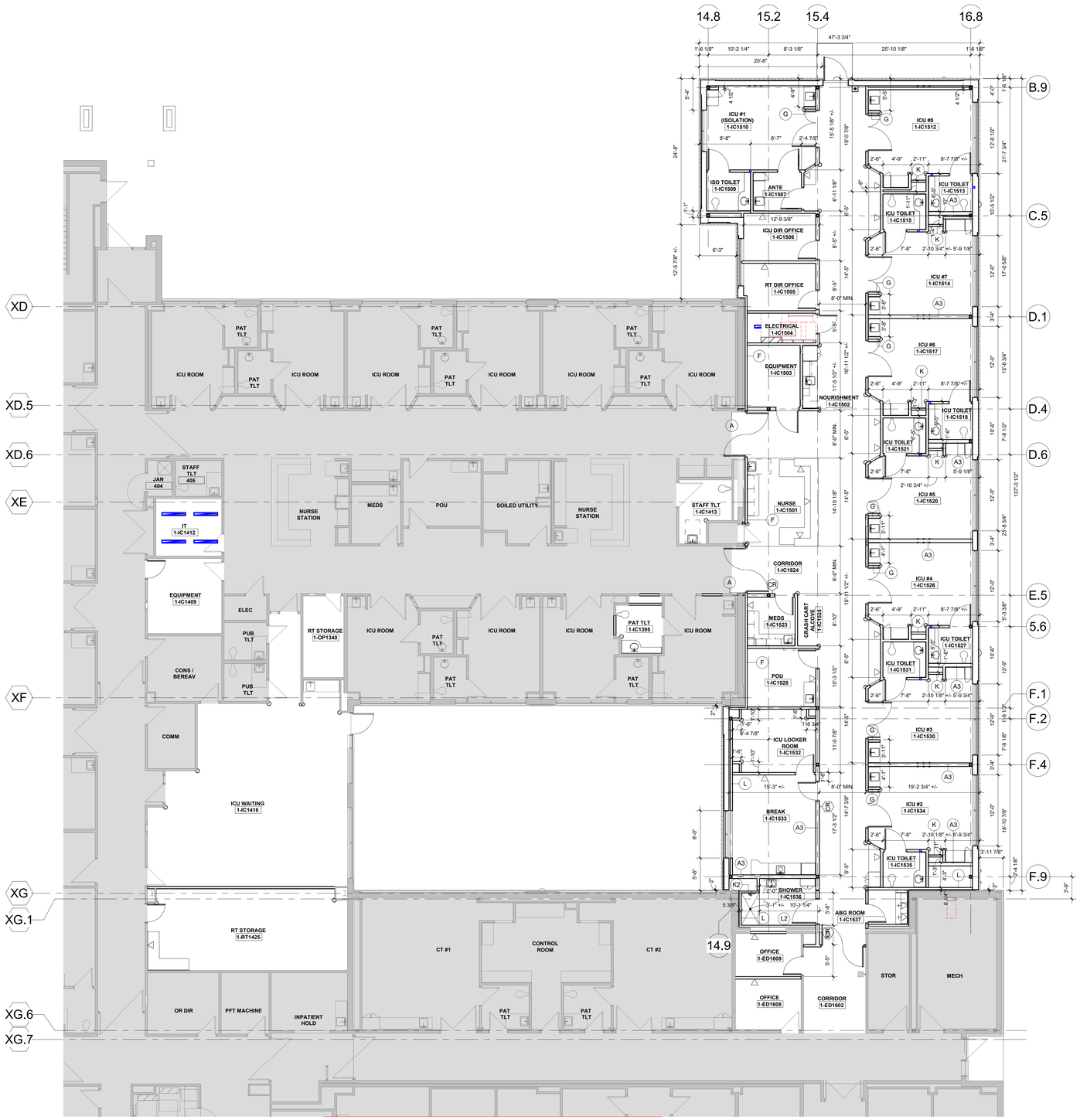

A1 FIRST FLOOR DIMENSION PLAN
1/8" = 1'-0"

NORTH

GENERAL PLAN NOTES

1. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH A.D.A. REQUIREMENTS AND ALL APPLICABLE LOCAL, STATE, AND FEDERAL BUILDING CODES AND REGULATIONS.
2. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL NECESSARY BUILDING PERMITS.
3. 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.
4. 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.
5. 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.
6. 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.
7. CONTRACTOR TO PROVIDE ALL REQUIRED LABOR, MATERIAL, AND EQUIPMENT NECESSARY TO MEET AND COMPLETE THE REQUIREMENTS OF THE NEW CONSTRUCTION.
8. ALL EXISTING CONSTRUCTION TO REMAIN SHALL BE PATCHED, REPAIRED, AND PREP AS REQUIRED FOR NEW FINISH APPLICATION.
9. DO NOT CLOSE OR OBSTRUCT WALKWAYS, EXITS, OR OTHER FACILITIES USED BY OCCUPANTS OF BUILDINGS WITHOUT WRITTEN PERMISSION FROM AUTHORITIES HAVING JURISDICTION
10. CONDUCT ALL OPERATIONS IN A SAFE WORKING MANNER TO PREVENT DAMAGE OR INJURY TO ADJACENT SPACES, BUILDING, STRUCTURE, OTHER FACILITIES, AND PERSONS.
11. REFER TO GENERAL NOTES, LEGENDS & SYMBOLS SHEET FOR ADDITIONAL GENERAL NOTES AS APPLICABLE.
12. SEE FINISH SCHEDULE FOR FINISH LOCATION AND SPECIFICATIONS.
13. SEE DOOR SCHEDULE FOR DOOR SPECIFICATIONS.

REMODEL/RENOVATION NOTES

1. 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 SALL BE COORDINATED IWTH THE OWNER.
2. 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..
3. 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.
4. 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		
	NEW WALL		EXISTING WALL
	EXPANSION JOINT		EXISTING EXPANSION JOINT
100	DOOR No. NEW DOOR		EXISTING DOOR

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01/14/2022

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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

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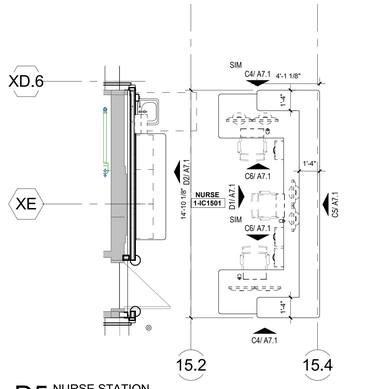
FIRST FLOOR DIMENSION PLAN

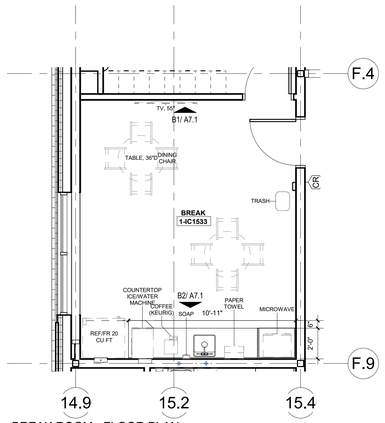
1/17/2022 4:37:11 PM

KEYNOTES - FLOOR PLAN

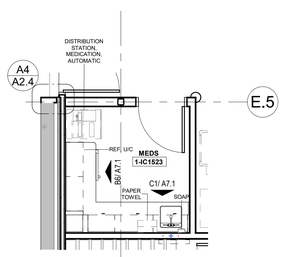
NUMBER	COMMENTS
1	2" EXPANSION JOINT COVER. RE: ARCHITECTURE SPECIFICATIONS



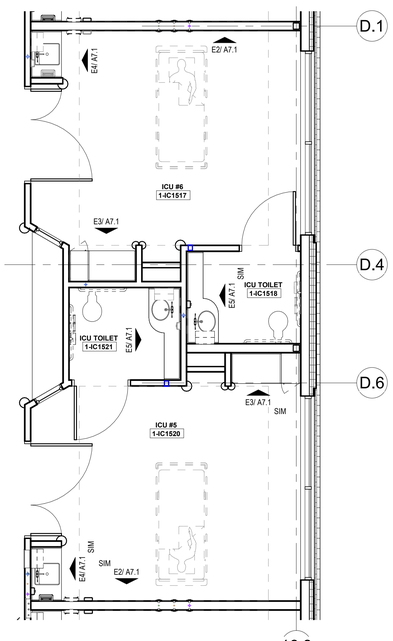
D5 NURSE STATION
1/4" = 1'-0"



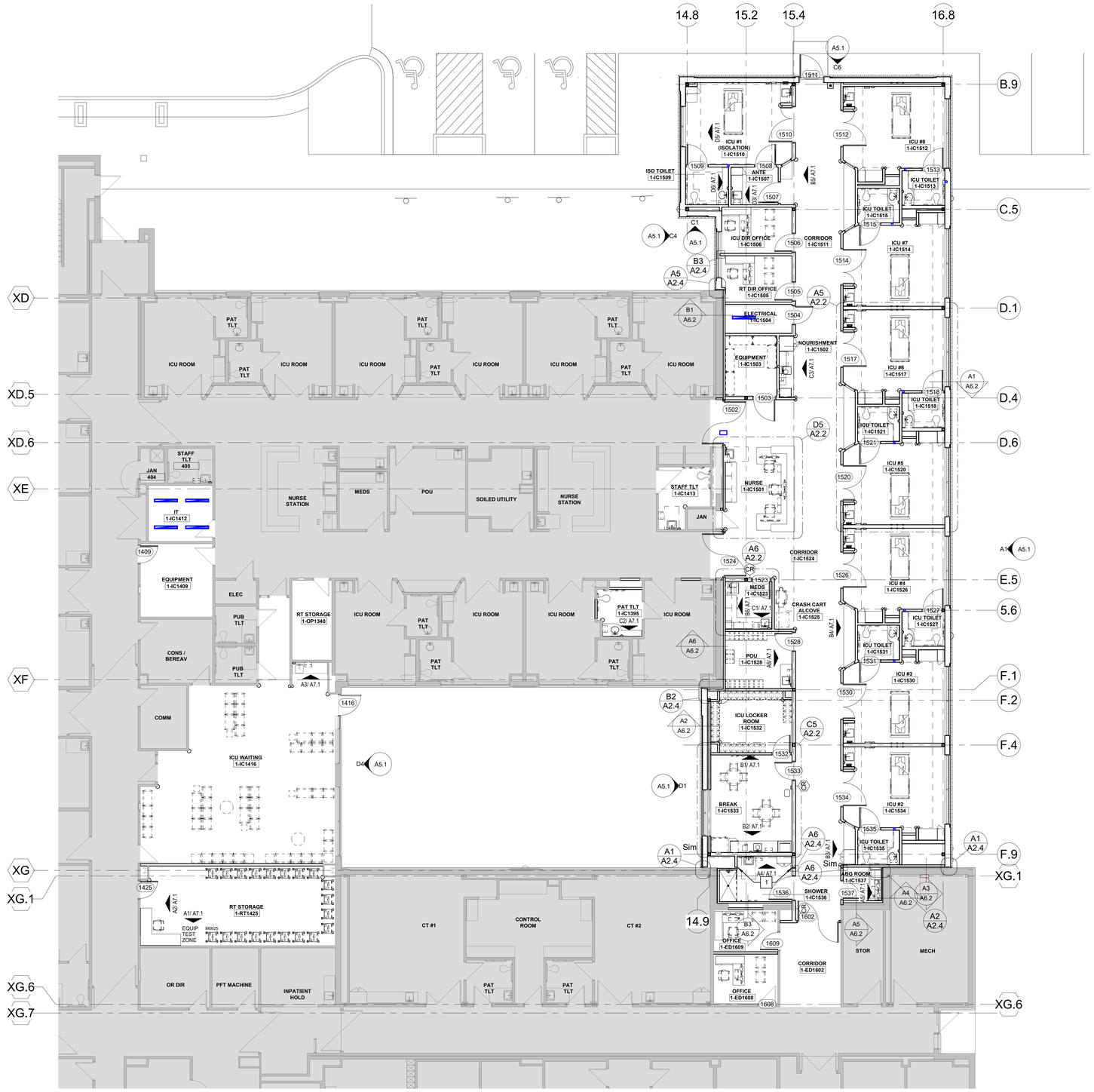
C5 BREAK ROOM - FLOOR PLAN
1/4" = 1'-0"



A6 MEDS ROOM
1/4" = 1'-0"



A5 TYP. ICU ROOMS
1/4" = 1'-0"



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

NORTH

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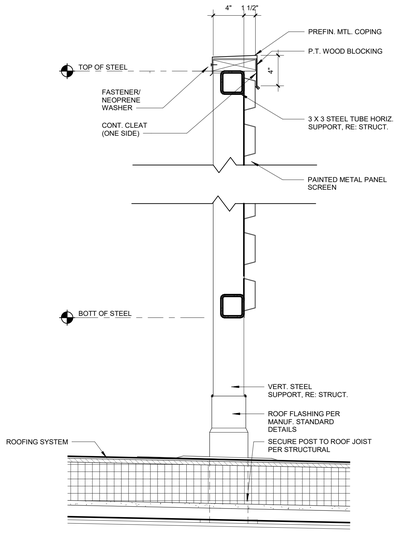
FIRST FLOOR ANNOTATION PLAN

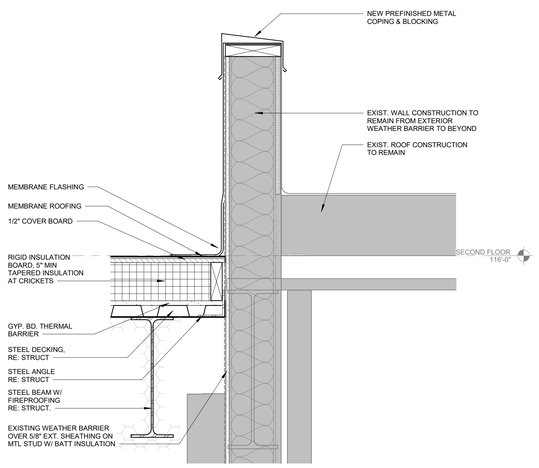
2/11/2022 10:18:10 AM

KEYNOTES - ROOF PLAN

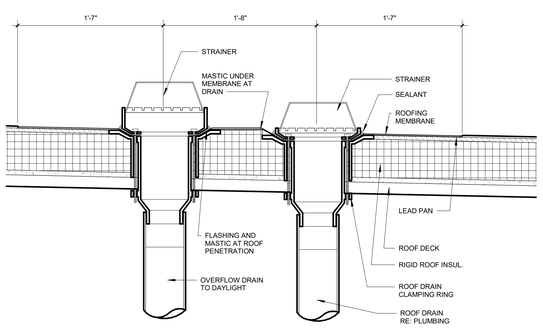
Number	Comments
1	PREFINISHED SHEET METAL CORING
2	TAPERED INSULATION AT CRICKETS WITH 1/4"/FT. SLOPE
3	F.R. EXPANSION JOINT
4	SINGLE-PLY ROOF MEMBRANE ON RIGID INSULATION
5	MECHANICAL EQUIPMENT, RE: MECH
6	ROOF SCREEN



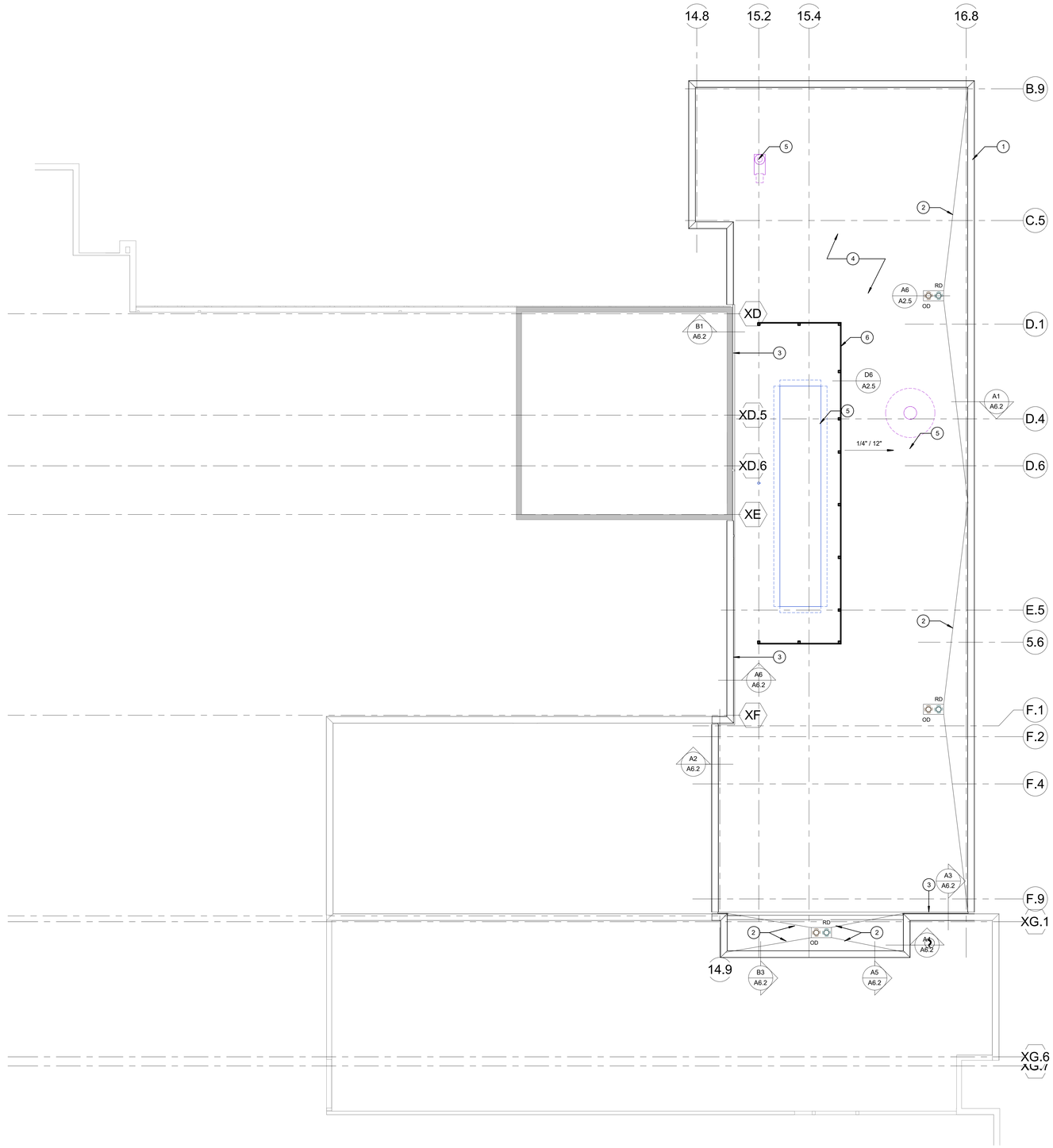
D6 ROOF SCREEN DETAIL
1 1/2" = 1'-0"



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



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



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

NORTH

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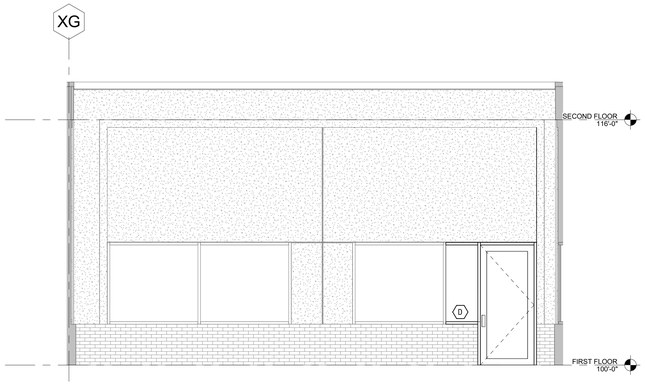
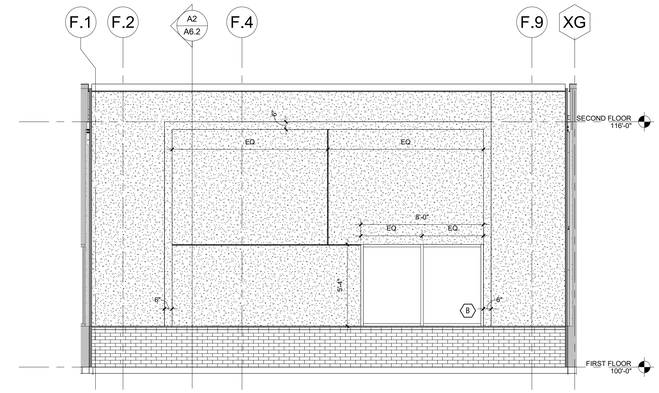
ROOF PLAN AND DETAILS

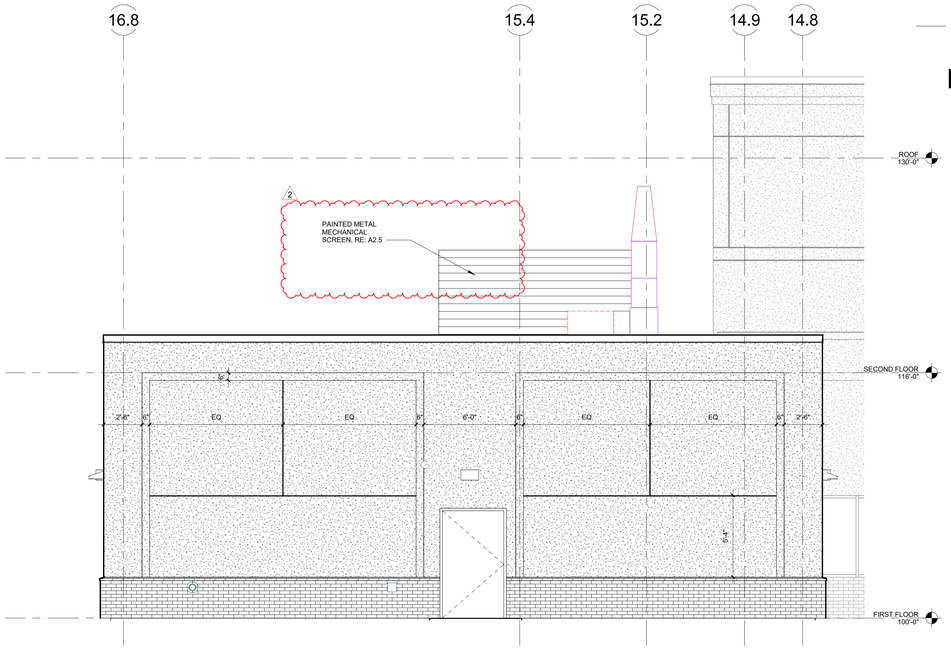
2/11/2022 10:24:04 AM



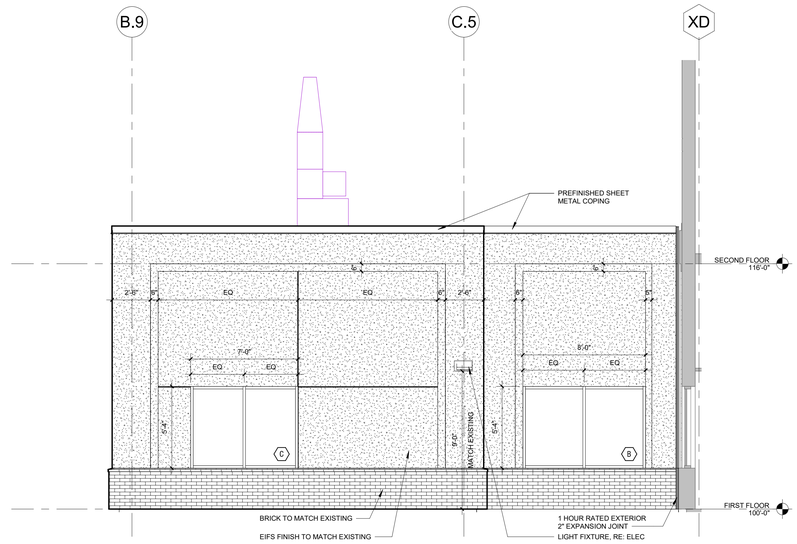
D4 ICU WAITING - EAST
1/4" = 1'-0"



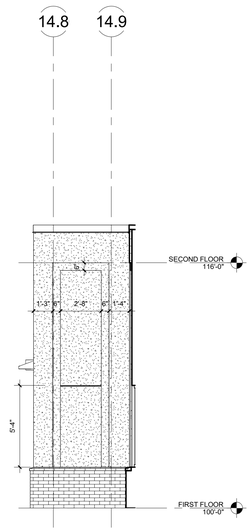
D1 ICU EXPANSION - WEST (SOUTH)
1/4" = 1'-0"



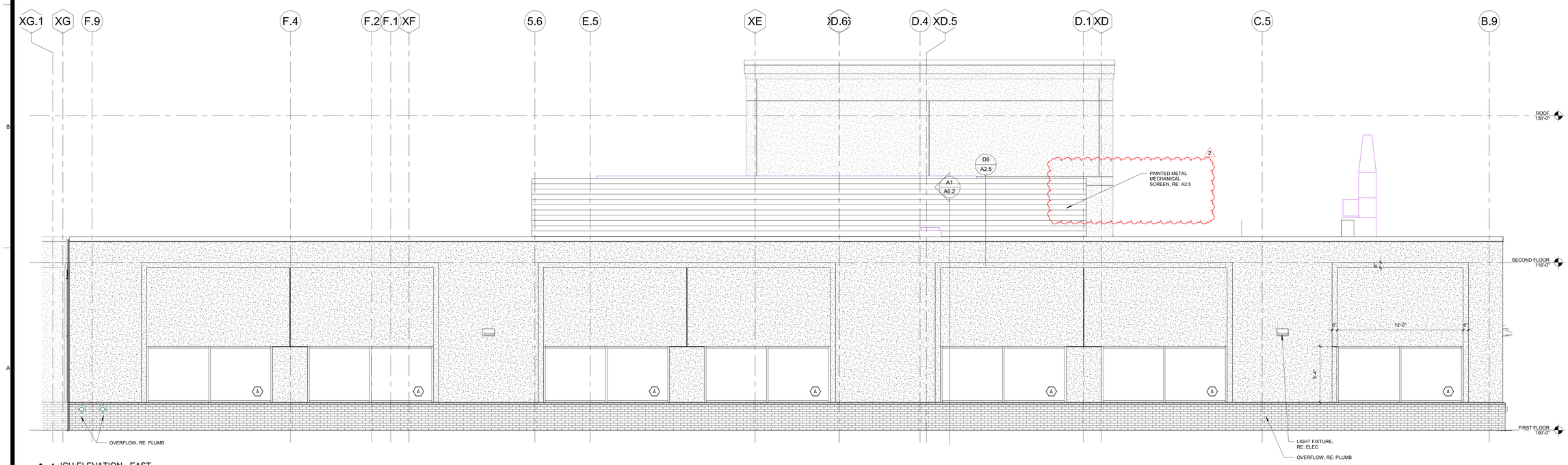
C6 ICU EXPANSION - NORTH
1/4" = 1'-0"



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"

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2	2/11/22	CITY COMMENTS

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EXTERIOR ELEVATIONS