# FINAL DEVELOPMENT PLAN

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

# PROJECT TEAM

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816.531.4144

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**ABBREVIATIONS** FLUORESCENT ACOUSTIC/ACOUSTICAL PAGE FOUNDATION PLAM. PLASTIC LAMINATE ADD'N. ADDITION AGGREGATE BASE COURSE F.H.C. FIRE HOSE CAB. ABOVE FINISH FLOOR FIELD VERIFY AGGREGATE AIR CONDITIONING ALUMINUM ALTERNATE PLBG. PLUMBING PLYWD. PLYWOOD ANCHOR BOL P.S.I. POUNDS PER SQ. IN ARCH. ARCHITEC1 P.S.F. POUNDS PER SQ. F GROUND GALVANIZED STEEL P.L. PROPERTY LINE **GYPSUM** GWB/G.B. GYPSUM BOARD RISER, RISERS HAND RAIL **ROOF DRAIN** HDN. HARDENER HDW. HARDWARE BENCHMARK REFER TO HDWD. HARDWOOD REGISTER HTR. HEATER BOTTOM OF REQ'D. REQUIRED HEIGHT BLDG. BUILDING REV. REVISION HIGH POINT RF'G. ROOFING H.M. HOLLOW METAI CABINET RGH. ROUGH HORIZ. HORIZONTAL CAST IN PLACE HOSE BIB H.B. CATCH BASIN RND. ROUND H.W. HOT WATER CEILING R.O. ROUGH OPENING CEMENT/CEMENTITIOUS CENTIGRAM INCH / INCHES CENTIMETER INSIDE DIAMETER INSULATION CENTER LINE S.C. SEALED CONCRETE INT. INTERIOR INVERT CERAMIC TILE CHANNEL SELECT **JANITOR** SHEATHING JOINT JOIST CLEAN OU KICK PLATE SLDG. SLIDING COLUMN CONC. CONCRETE SPEC. SPECIFICATION SQUARE CONST. CONSTRUCTION LANDING STAINED CONTROL JOINT LATH STD. STANDARD CONSTRUCTION JOINT LAVATORY CONT. CONTINUOUS ST.STL. STAINLESS STEE CONTR. CONTRACTOR LOCATION STRUC. STRUCTURE COR'G. CORRUGATED LIGHT SUSP. SUSPENDED CTR. COUNTER LIGHT WEIGHT CONCRETE L.W.C. SW.BD. SWITCHBOARD CTSK. COUNTERSUNK LOUVER C.M.U. CONCRETE MASONRY UNIT LOC. LOCATION MASONRY OPENING T.C. TOP OF CURB DECIBEL MATERIAL T.G. TEMPERED GLASS DIAGONAL MANUFACTURER DIAMETER MARKER BOARD T.S.D. TOP OF STEEL DECK DIMENSION MAXIMUM T.W. TEACHERS WARDROBE DISPENSER MECHANICAL DWL. DOWEL TYP. TYPICAL MTL. METAL DOWN METAL LATH D.S. DOWNSPOUT METER U.O.N. UNLESS OTHERWISE NOTED DWG. DRAWING MINIMUM MLDG. MOLDING V. VENT MULLION VERT. VERTICAL ELEC ELECTRIC V.G. VERTICAL GRAIN E.W.C. ELECTRIC WATER COOLER N.G. NATURAL GRADE VEST. VESTIBULE ELEVATION NOM. NOMINAL V.C.T. VINYL COMPOSITION TILE ELEV. ELEVATOR N.I.C. NOT IN CONTRACT VCP VITREOUS CLAY PIPE EQ. EQUAL N.T.S. NOT TO SCALE EQUIP. EQUIPMENT NO. / # NUMBER

OBS. OBSCURE

OPN'G. OPENING

O.A. OVERALL

O.C. ON CENTER

O.D. OUTSIDE DIAMETER

O.F.D. OVERFLOW DRAIN

O.H.D. OVERHEAD DOOR

O.F.S. OVERFLOW SCUPPER

EXH. EXHAUST

EXIST. EXISTING

EXT. EXTERIOR

FIXT. FIXTURE

FLR. FLOOR F.D. FLOOR DRAIN

EXPAN. EXPANSION

E.J. EXPANSION JOINT

FEET / FOOT

FINISH

FLASHING

W.W.M. WELDED WIRE MESH

W.C. WATER CLOSET

W.H. WATER HEATER

W.F. WIDE FLANGE

W.W. WINDOW WALL

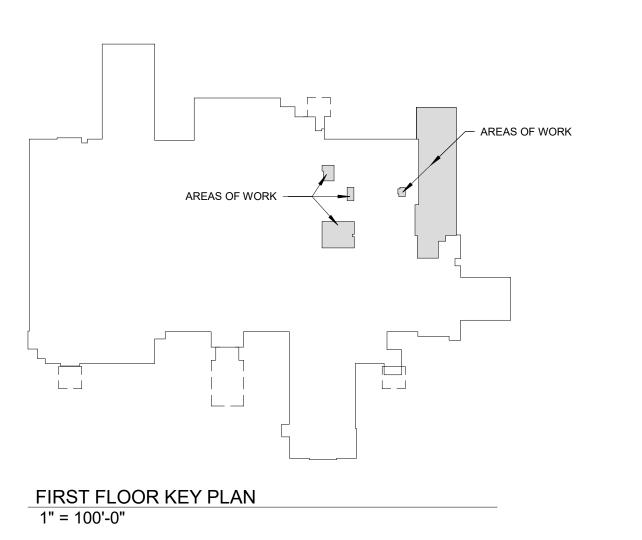
W/ WITH

WD. WOOD

W/O WITHOUT

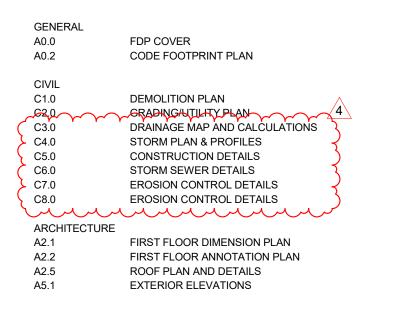
WDW. WINDOW

#### LOCATION PLAN



#### GENERAL NOTES ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH A.D.A. REQUIREMENTS AND ALL APPLICABLE LOCAL, STATE, AND FEDERAL BUILDING CODES AND THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL NECESSARY BUILDING 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 DO NOT SCALE DRAWINGS. THE WORD "ALIGN" AND "EQUAL" AS USED IN THESE DOCUMENTS SHALL 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 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



#### MEP CONSULTANT

## STRUCTURAL CONSULTANT

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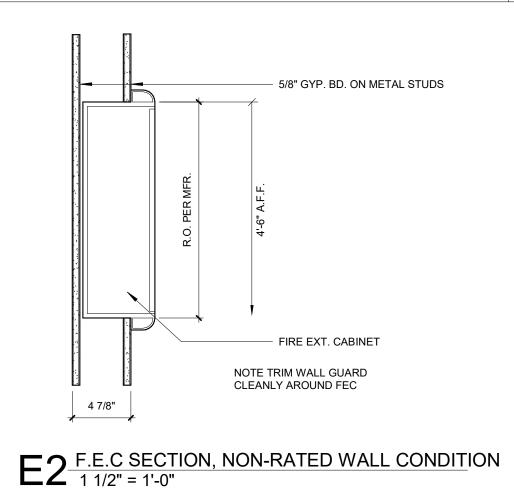
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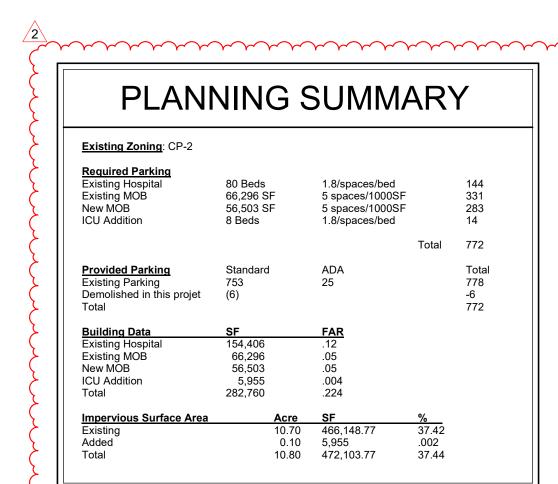
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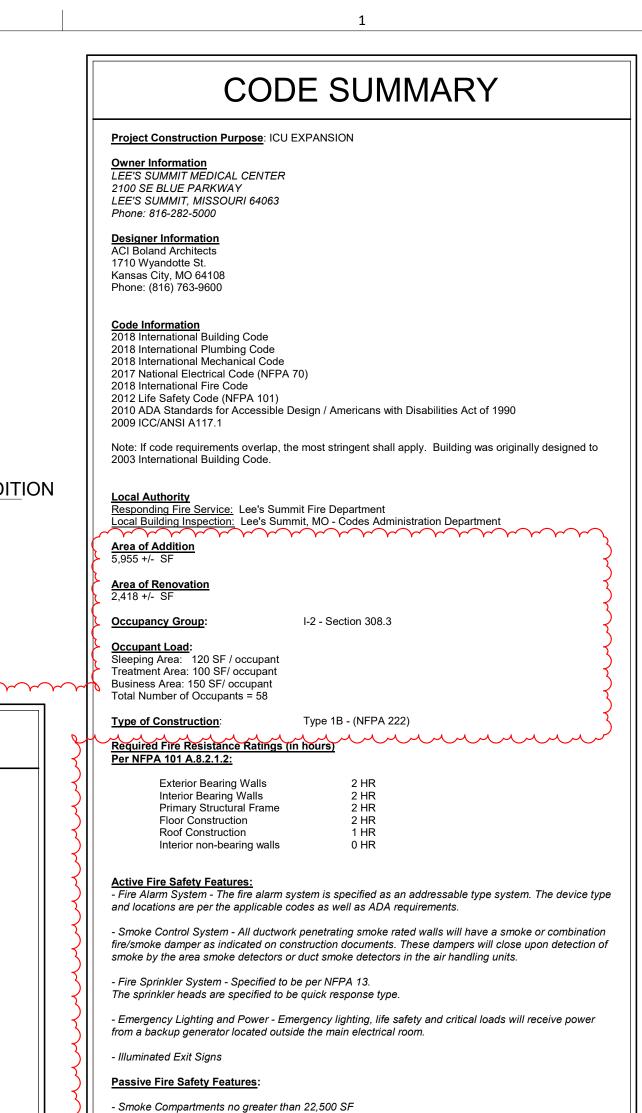
2 2/11/22 CITY COMMENTS 4 3/2/22 CITY COMMENTS

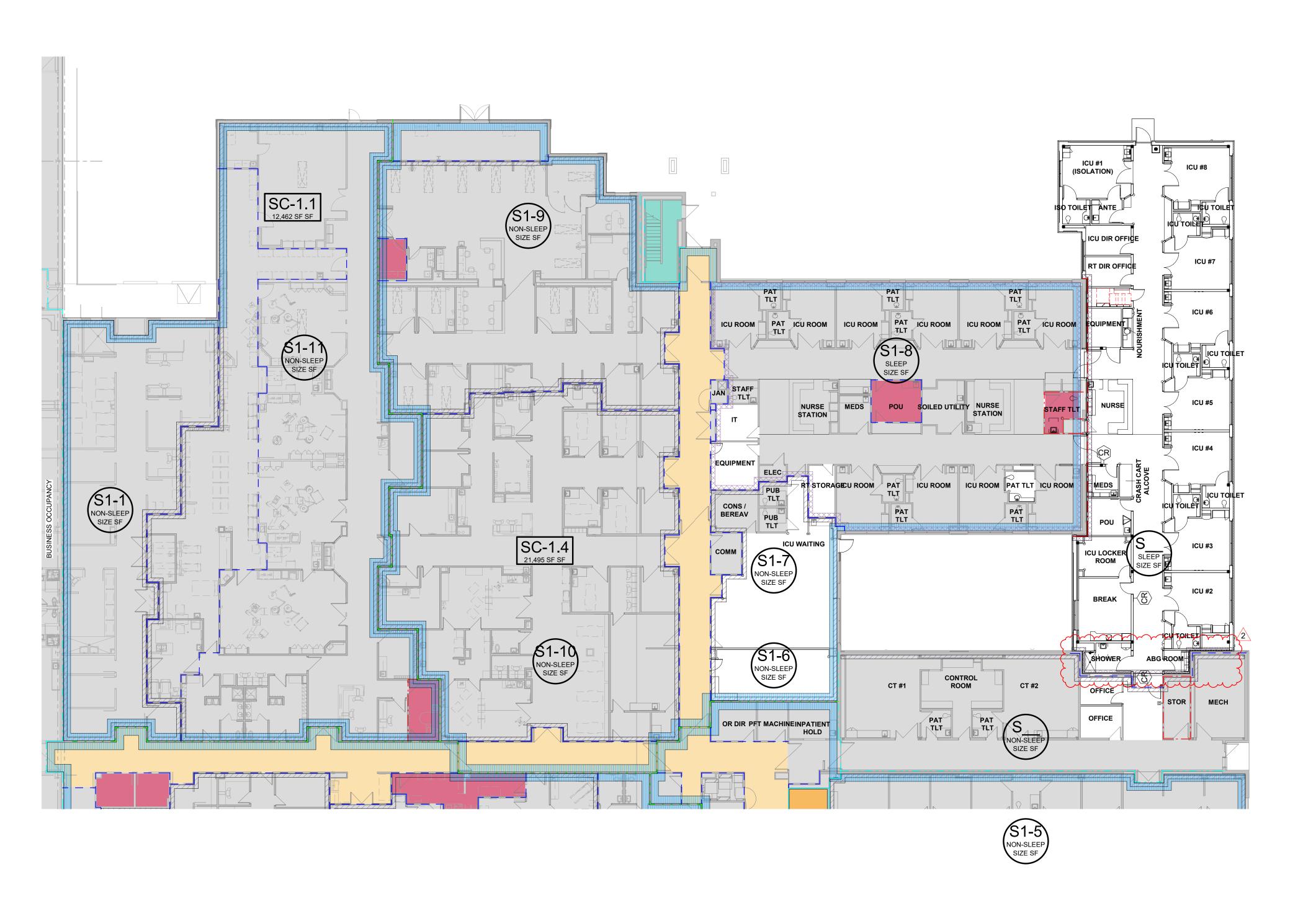
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A1 FIRST FLOOR CODE PLAN
1/16" = 1'-0"

NORTH

CODE FOOTPRINT LEGEND PARTITION TYPES • • • • • • • 0 HR SMOKE PARTITION (SMOKE RESISTIVE) 2 HR FIRE SMOKE BARRIER **3** HR FIRE BARRIER AREA DESIGNATIONS HAZARDOUS ROOM EXIT ENCLOSURE **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 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 SMOKE DETECTOR FIRE PULL STATION FIRE SPRINKLER ZONE VALVE

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

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CENTER

S SUMMIT MEDICAL EXPANSION

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2 2/11/22 CITY COMMENTS

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CODE FOOTPRINT PLAN

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

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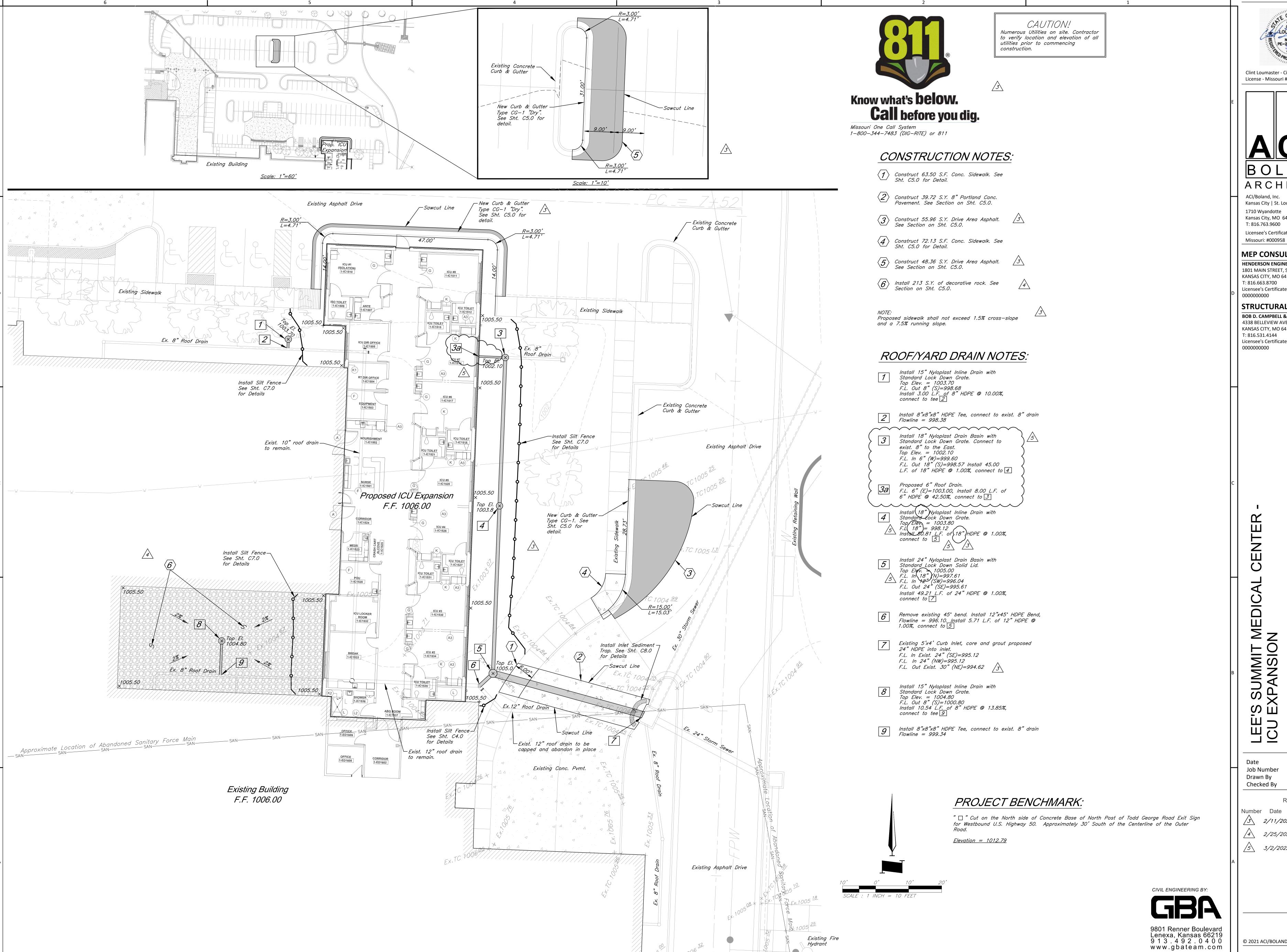
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Description

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2/11/2022

2/25/2022 3/2/2022

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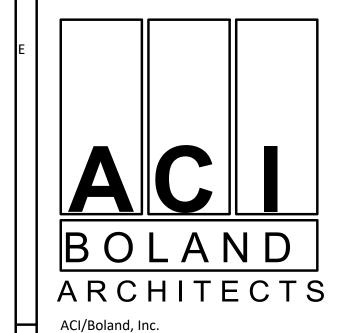
**Grading-Utility Plan** 





Proposed Drainage Boundary





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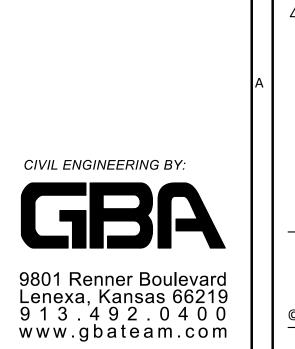
5 3/2/2022

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Drainage Map and Calculations

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SCALE : 1 INCH = 20 FEET



3





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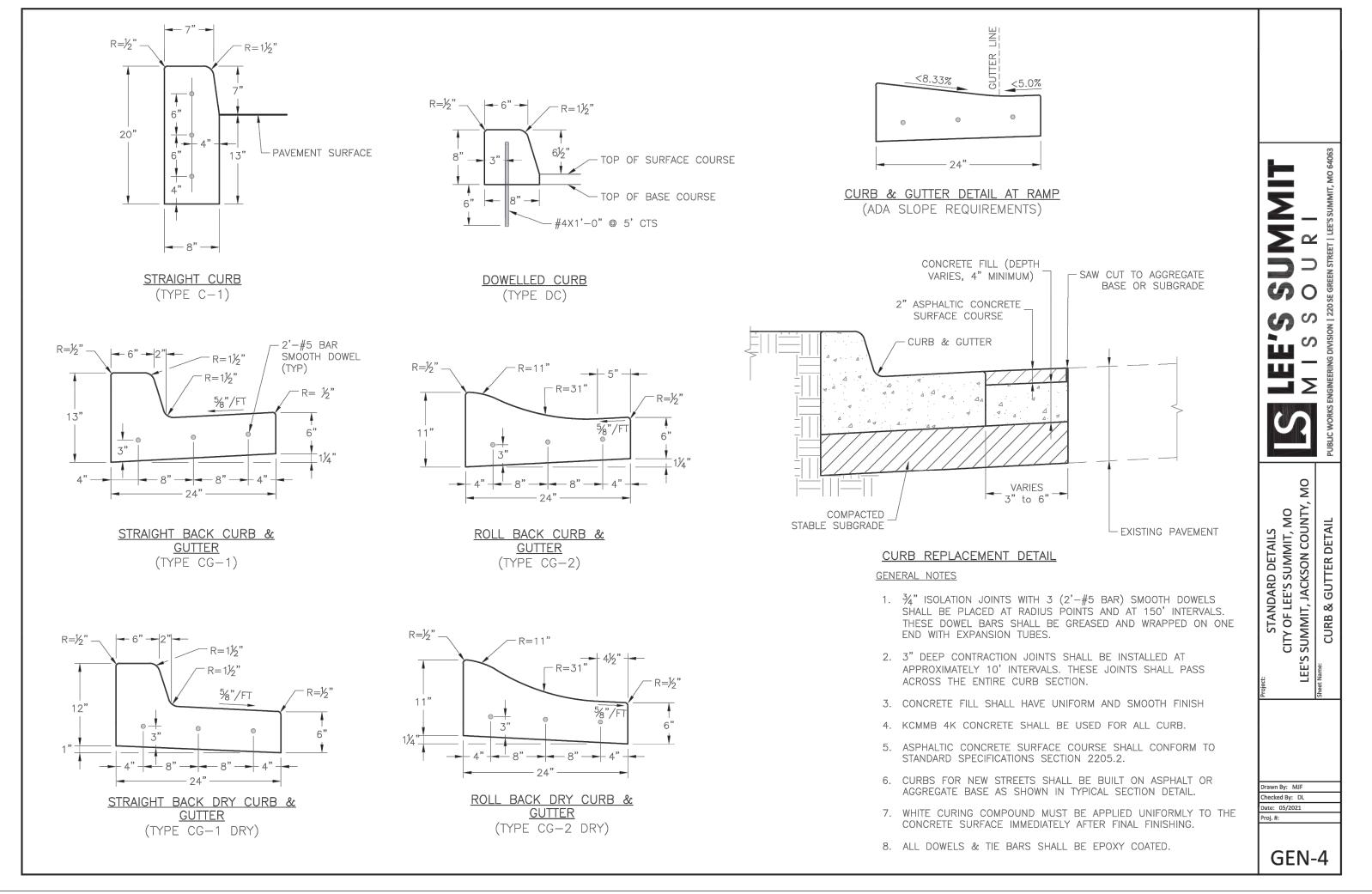
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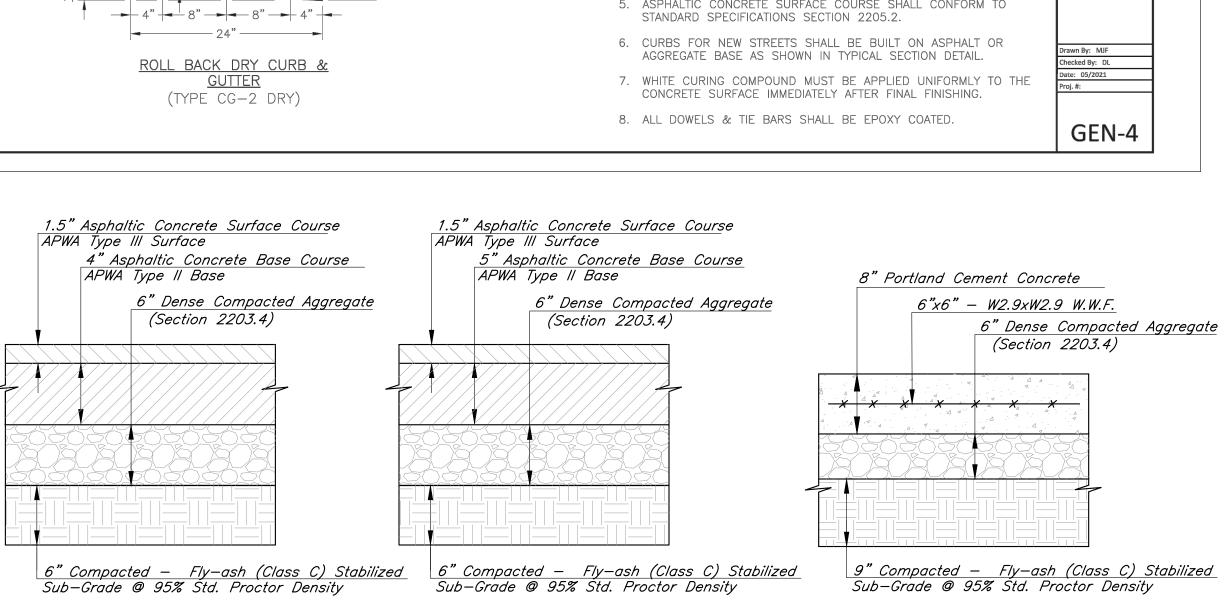
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Number Date 3 2/11/202 2/11/2022

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Storm Plan & Profiles



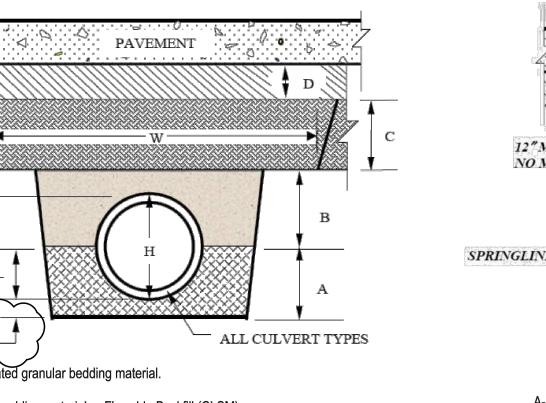


1. All paving shall adhere to Lee's Summit Standards, Section 2200. 2. Aggregate base and subgrade of asphalt and concrete pavements shall

DRIVE AREA PAVEMENT

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



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

MINIMUM

6" MINIMUM —

\* Decorative rock —

4

Nonwoven geotextile -

for approval prior to installation.

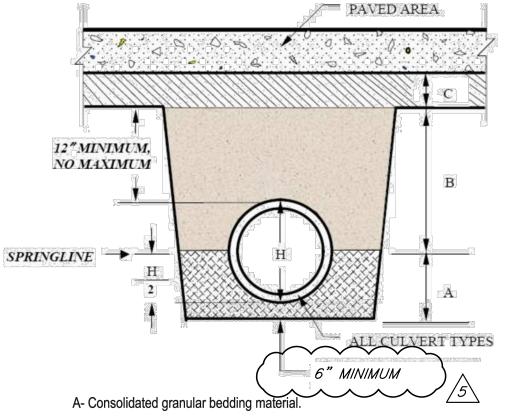
Contractor to provide samples to architect

COURTYARD GRAVEL SECTION

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

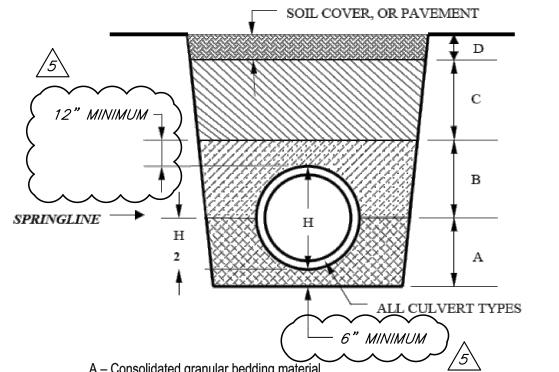


PARKING AREA PAVEMENT

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.

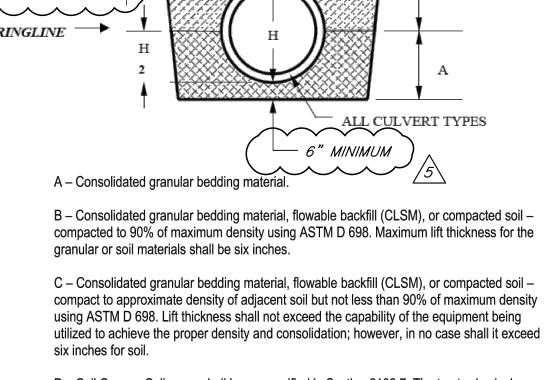
DEEP TRENCHES WITHOUT ROADWAY COMPACTION EQUIPMENT OR SHALLOW TRENCHES HAVING LESS THAN 30" OF COVER



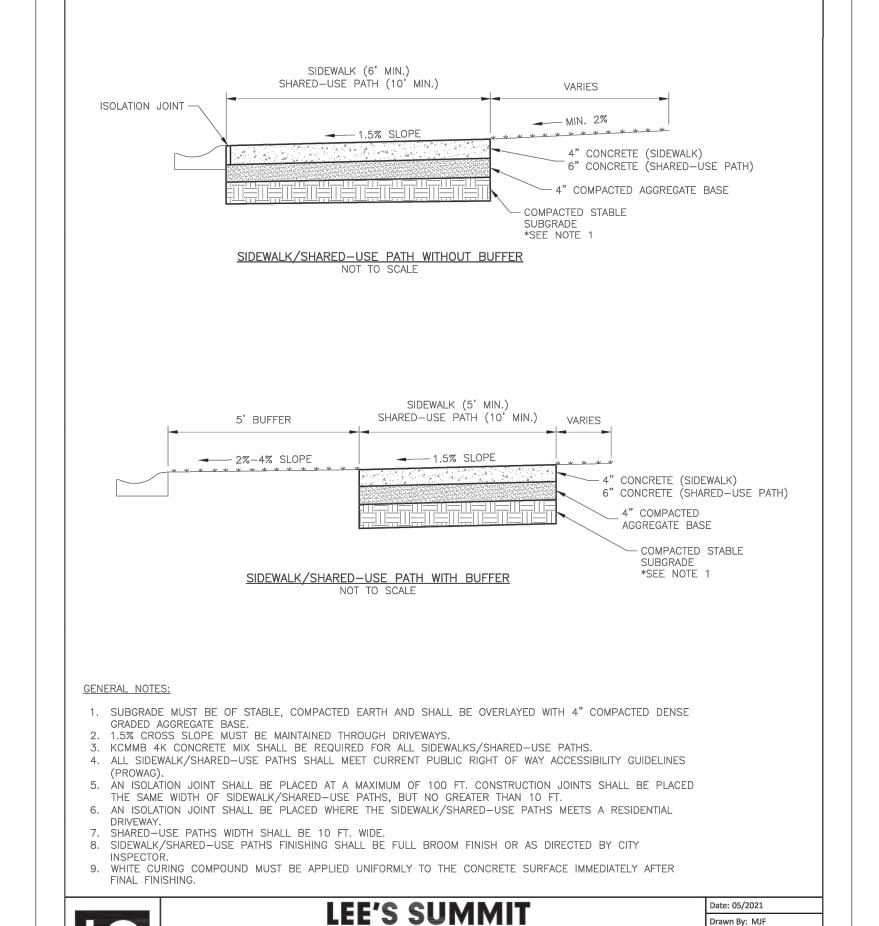
HEAVY DUTY CONCRETE PAVEMENT

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.

TRENCHING DETAILS

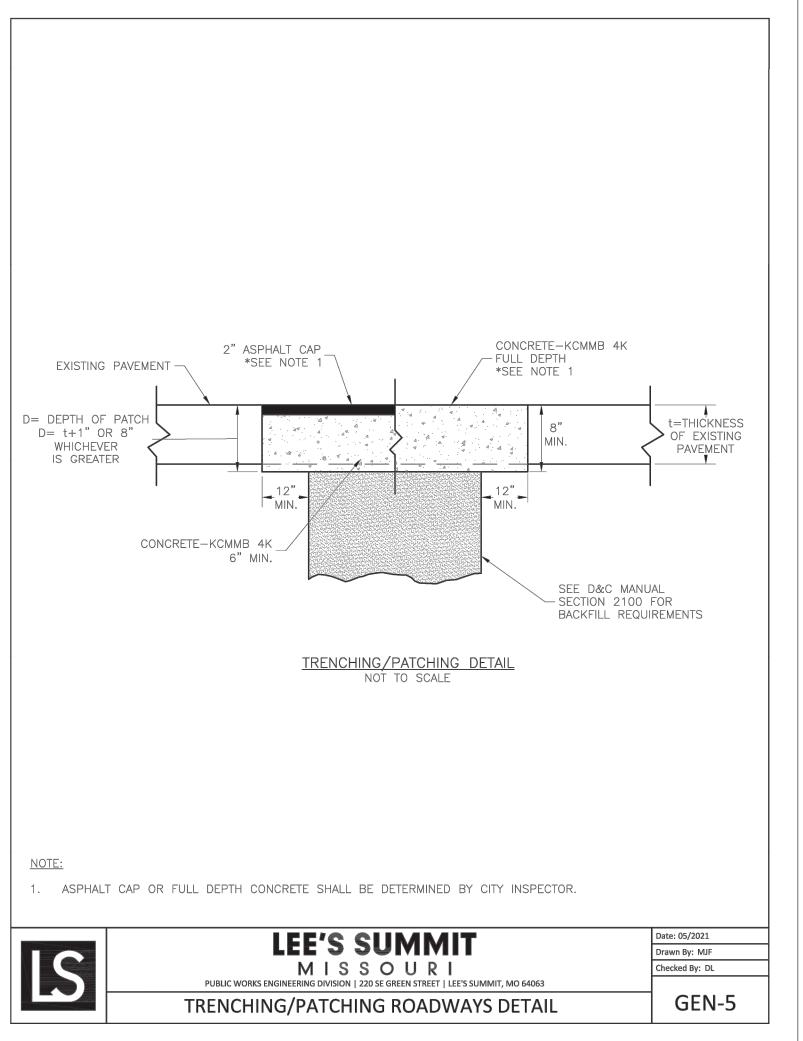


TRENCHES OUTSIDE OF STREET PAVEMENTS



MISSOURI

SIDEWALK/SHARED-USE PATH DETAIL





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Drawn By: MJF

Checked By: DL

GEN-2

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

Revision

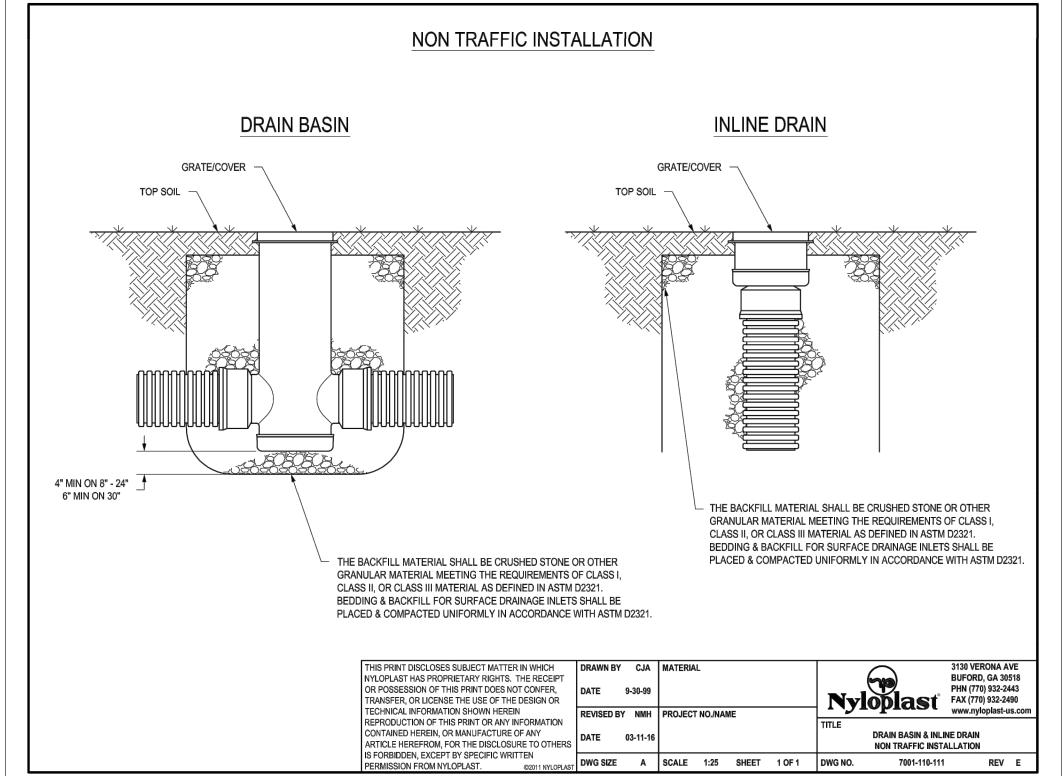
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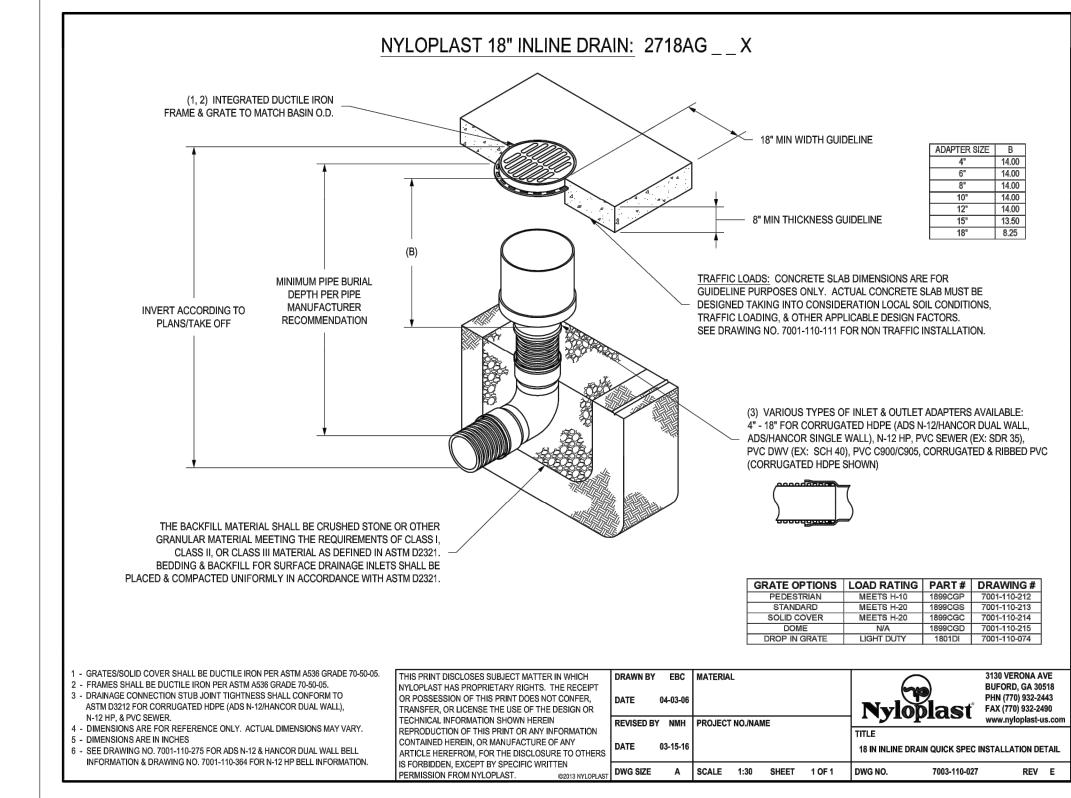
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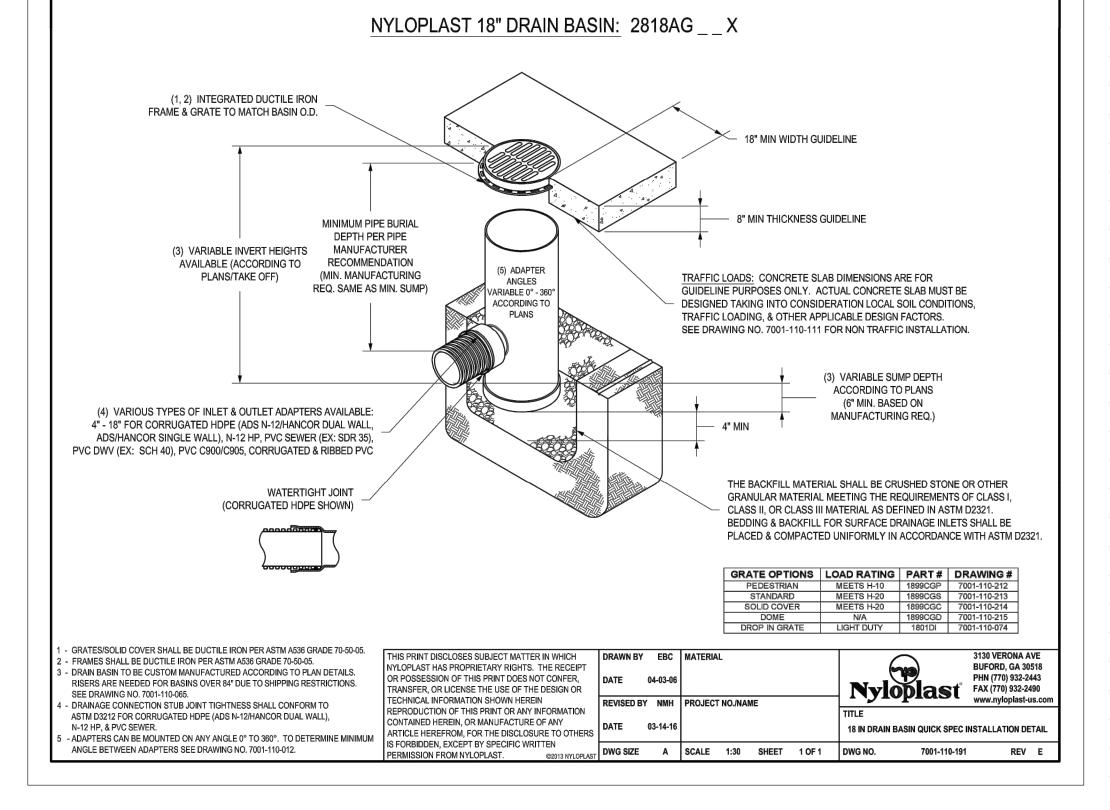
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**Construction Details** 

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

Revision

Number Date Description 3 2/11/2022 5 3/2/2022

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Storm Sewer Details

SILT FENCE

Modified from 2015 Overland Park Standard Details

for Erosion and Sediment Control.

NUMBER ESC-03 ADOPTED:

10/24/2016

Checker Checked By Revision

LEE'S SUMMIT MEDICAL ICU EXPANSION

Job Number Drawn By

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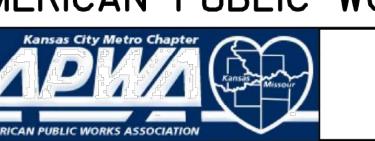
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**Erosion Control Details** 

(Open Box and Prior to Pouring

Curb and Inlet Throat)

AMERICAN PUBLIC WORKS ASSOCIATION



CURB INLET PROTECTION

Modified from 2015 Overland Park Standard Details

for Erosion and Sediment Control.

KANSAS CITY METRO CHAPTER

> STANDARD DRAWING NUMBER ESC-06

10/24/2016

Date

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PARKWAY MISSOURI

Number Date 2/11/2022

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**Erosion Control Details**