



HCA - Surgery Center of Lee's Summit

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*RENDERING FOR ILLUSTRATIVE PURPOSES ONLY

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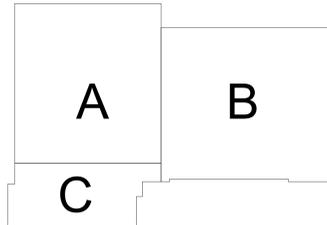
ABBREVIATIONS

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

LOCATION PLAN



KEY PLAN



SHEET INDEX - CORE/SHELL

SHEET NUMBER	SHEET NAME
GENERAL	COVER SHEET
A0.1	CODE FOOTPRINT PLAN
A0.2	PARTITION TYPES AND DETAILS
A0.3	U.L. DESIGN ASSEMBLIES
A0.5	GENERAL NOTES, LEGENDS & SYMBOLS
CIVIL	DEMOLITION PLAN
C0.1	DEMOLITION PLAN
C1.0	DEMOLITION PLAN
C2.0	DEMOLITION PLAN
C2.1	DEMOLITION PLAN
C3.0	DEMOLITION PLAN
C3.1	DEMOLITION PLAN
C3.2	DEMOLITION PLAN
C4.0	DEMOLITION PLAN
C4.1	DEMOLITION PLAN
C4.2	DEMOLITION PLAN
C5.0	DEMOLITION PLAN
C5.1	DEMOLITION PLAN
C6.0	DEMOLITION PLAN
C6.1	DEMOLITION PLAN
C6.2	DEMOLITION PLAN
C6.3	DEMOLITION PLAN
C6.4	DEMOLITION PLAN
C7.0	DEMOLITION PLAN
C7.1	DEMOLITION PLAN
C7.2	DEMOLITION PLAN
C7.3	DEMOLITION PLAN
C7.4	DEMOLITION PLAN
L1.0	DEMOLITION PLAN
L2.0	DEMOLITION PLAN
L2.1	DEMOLITION PLAN
L2.2	DEMOLITION PLAN
ARCHITECTURE	ARCHITECTURAL SITE PLAN & DETAILS
A1.0	ARCHITECTURAL SITE PLAN & DETAILS
A2.1	ARCHITECTURAL SITE PLAN & DETAILS
A2.2	ARCHITECTURAL SITE PLAN & DETAILS
A2.3	ARCHITECTURAL SITE PLAN & DETAILS
A2.4	ARCHITECTURAL SITE PLAN & DETAILS
A3.1	ARCHITECTURAL SITE PLAN & DETAILS
A4.1	ARCHITECTURAL SITE PLAN & DETAILS
AS.1	ARCHITECTURAL SITE PLAN & DETAILS
AS.2	ARCHITECTURAL SITE PLAN & DETAILS
A6.1	ARCHITECTURAL SITE PLAN & DETAILS
A6.2	ARCHITECTURAL SITE PLAN & DETAILS
A6.3	ARCHITECTURAL SITE PLAN & DETAILS
A6.4	ARCHITECTURAL SITE PLAN & DETAILS
A6.5	ARCHITECTURAL SITE PLAN & DETAILS
A6.6	ARCHITECTURAL SITE PLAN & DETAILS
STRUCTURAL	GENERAL NOTES
S0.1	GENERAL NOTES
S1.0	GENERAL NOTES
S2.0	GENERAL NOTES
S2.1	GENERAL NOTES
S2.2	GENERAL NOTES
S3.0	GENERAL NOTES
S4.0	GENERAL NOTES
S4.1	GENERAL NOTES
S4.2	GENERAL NOTES
S4.3	GENERAL NOTES
S4.4	GENERAL NOTES

SHEET INDEX - TI

SHEET NUMBER	SHEET NAME
ARCHITECTURE	TI - FIRST FLOOR PLAN
TI.A2.1	TI - FIRST FLOOR PLAN
TI.A2.2	TI - FIRST FLOOR PLAN
TI.A2.3	TI - FIRST FLOOR PLAN
TI.A2.4	TI - FIRST FLOOR PLAN
TI.A3.1	TI - FIRST FLOOR PLAN
TI.A3.2	TI - FIRST FLOOR PLAN
TI.A3.3	TI - FIRST FLOOR PLAN
TI.A3.4	TI - FIRST FLOOR PLAN
TI.A4.1	TI - FIRST FLOOR PLAN
TI.A4.2	TI - FIRST FLOOR PLAN
TI.A4.3	TI - FIRST FLOOR PLAN
TI.A4.4	TI - FIRST FLOOR PLAN
TI.A7.1	TI - FIRST FLOOR PLAN
TI.A7.2	TI - FIRST FLOOR PLAN
TI.A7.3	TI - FIRST FLOOR PLAN
TI.A7.4	TI - FIRST FLOOR PLAN
TI.A7.5	TI - FIRST FLOOR PLAN
TI.A7.6	TI - FIRST FLOOR PLAN
TI.A7.7	TI - FIRST FLOOR PLAN
TI.A7.8	TI - FIRST FLOOR PLAN
MECHANICAL	MECHANICAL LEGEND & NOTES
M0.1	MECHANICAL LEGEND & NOTES
M1.1	MECHANICAL LEGEND & NOTES
M1.1A	MECHANICAL LEGEND & NOTES
M1.1B	MECHANICAL LEGEND & NOTES
M1.1C	MECHANICAL LEGEND & NOTES
M2.1	MECHANICAL LEGEND & NOTES
M2.1A	MECHANICAL LEGEND & NOTES
M2.1B	MECHANICAL LEGEND & NOTES
M2.1C	MECHANICAL LEGEND & NOTES
M3.1	MECHANICAL LEGEND & NOTES
M4.1	MECHANICAL LEGEND & NOTES
M5.1	MECHANICAL LEGEND & NOTES
M6.1	MECHANICAL LEGEND & NOTES
M7.1	MECHANICAL LEGEND & NOTES
M7.2	MECHANICAL LEGEND & NOTES
M7.3	MECHANICAL LEGEND & NOTES
PLUMBING	FIRE PROTECTION GENERAL NOTES
FP.0.1	FIRE PROTECTION GENERAL NOTES
FP.1.1	FIRE PROTECTION GENERAL NOTES
P1.0	FIRE PROTECTION GENERAL NOTES
P1.0A	FIRE PROTECTION GENERAL NOTES
P1.0B	FIRE PROTECTION GENERAL NOTES
P1.0C	FIRE PROTECTION GENERAL NOTES
P1.1	FIRE PROTECTION GENERAL NOTES
P1.1A	FIRE PROTECTION GENERAL NOTES
P1.1B	FIRE PROTECTION GENERAL NOTES
P1.1C	FIRE PROTECTION GENERAL NOTES
P2.1A	FIRE PROTECTION GENERAL NOTES
P2.1B	FIRE PROTECTION GENERAL NOTES
P2.1C	FIRE PROTECTION GENERAL NOTES
P3.1B	FIRE PROTECTION GENERAL NOTES
P3.1C	FIRE PROTECTION GENERAL NOTES
P4.1	FIRE PROTECTION GENERAL NOTES
P5.1	FIRE PROTECTION GENERAL NOTES
P5.2	FIRE PROTECTION GENERAL NOTES
P5.3	FIRE PROTECTION GENERAL NOTES
P6.1	FIRE PROTECTION GENERAL NOTES
P6.2	FIRE PROTECTION GENERAL NOTES
P7.1	FIRE PROTECTION GENERAL NOTES
P7.2	FIRE PROTECTION GENERAL NOTES
P7.3	FIRE PROTECTION GENERAL NOTES
ELECTRICAL	ELECTRICAL LEGEND & NOTES
E0.1	ELECTRICAL LEGEND & NOTES
E1.1	ELECTRICAL LEGEND & NOTES
E2.1	ELECTRICAL LEGEND & NOTES
E2.1	ELECTRICAL LEGEND & NOTES
E3.1	ELECTRICAL LEGEND & NOTES
E4.1	ELECTRICAL LEGEND & NOTES
E5.1	ELECTRICAL LEGEND & NOTES
E6.1	ELECTRICAL LEGEND & NOTES
E7.1	ELECTRICAL LEGEND & NOTES
E7.2	ELECTRICAL LEGEND & NOTES
E7.3	ELECTRICAL LEGEND & NOTES
E7.4	ELECTRICAL LEGEND & NOTES
TECHNOLOGY	TECHNOLOGY LEGEND
T0.1	TECHNOLOGY LEGEND
T1.1	TECHNOLOGY LEGEND
T2.1	TECHNOLOGY LEGEND
T2.2	TECHNOLOGY LEGEND
T3.1	TECHNOLOGY LEGEND

Surgery Center of Lee's Summit
1950 SE Shenandoah Drive
Lee's Summit, MO 64063

Date	02/08/23
Job Number	3-22030
Drawn By	RN
Checked By	Checker

Number	Date	Description
1	2/14/23	Addendum #1

Revision	Description
1	Addendum #1

A0.1
COVER SHEET



Eric Byrd - Engineer
Missouri: #PE-2018013633

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Surgery Center of Lee's Summit
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Date 01/13/23
Job Number 3-22030
Drawn By TS
Checked By EB

Revision		
Number	Date	Description
1	2/14/23	Addendum 1

C1.0

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DEMOLITION PLAN

GENERAL NOTES

- Contractor shall verify the location, size, material and depth of all utilities prior to any excavation or construction activity.
- All materials shall be removed and disposed of off-site. It is the contractor's responsibility to meet all applicable laws and regulations pertaining to the disposal of construction/demolition material.
- The Contractor shall ensure that any structures to remain which are damaged during demolition operations shall be repaired to meet current code, at no additional cost to the owner.
- The Contractor shall remove any and all existing debris which is encountered from the existing site. This shall include, but shall not be limited to, footings, concrete slabs, conduits, granular subgrade, utility services, and/or unsuitable structural fill material as determined by the owner's engineer. The cost for these removals shall be considered incidental to the project. Said debris shall become property of the contractor and it shall be the responsibility of the contractor to dispose of properly off-site.
- It shall be the Contractor's responsibility to meet all applicable laws and regulations pertaining to the disposal of construction/demolition material.
- The Contractor shall be responsible for obtaining and payment of any permits for demolition that pertain to this project.
- All protection fencing shall be installed prior to demolition/construction activity. The Contractor shall provide a 6-foot security fence around the entire job site with locked gated access points, if required by the owner or the city.
- All existing utilities removed during construction shall have their trenches backfilled with structural fill and be compacted to the requirements for structural fill.
- All removals required to properly perform the work (whether shown on the plans or not) shall be performed by the Contractor at no additional cost to the owner.

DEMOLITION NOTES

- REMOVE & DISPOSE OF EXISTING CURB.
- REMOVE & DISPOSE OF CONCRETE SIDEWALK.
- SAW CUT EXISTING PAVEMENT TO FULL DEPTH AND CLEAN EDGE.
- REMOVE & DISPOSE OF EXISTING TREES AND VEGETATION TO ACCOMMODATE PROPOSED GRADING.

DEMOLITION LEGEND

- SAW CUT LINE
- [Pattern] CONCRETE SIDEWALK TO BE REMOVED
- [Wavy Line] EXISTING TREE LINE
- [Wavy Line] EXISTING TREE LINE TO BE REMOVED



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Eric Byrd - Engineer
Missouri: #PE-2018013633

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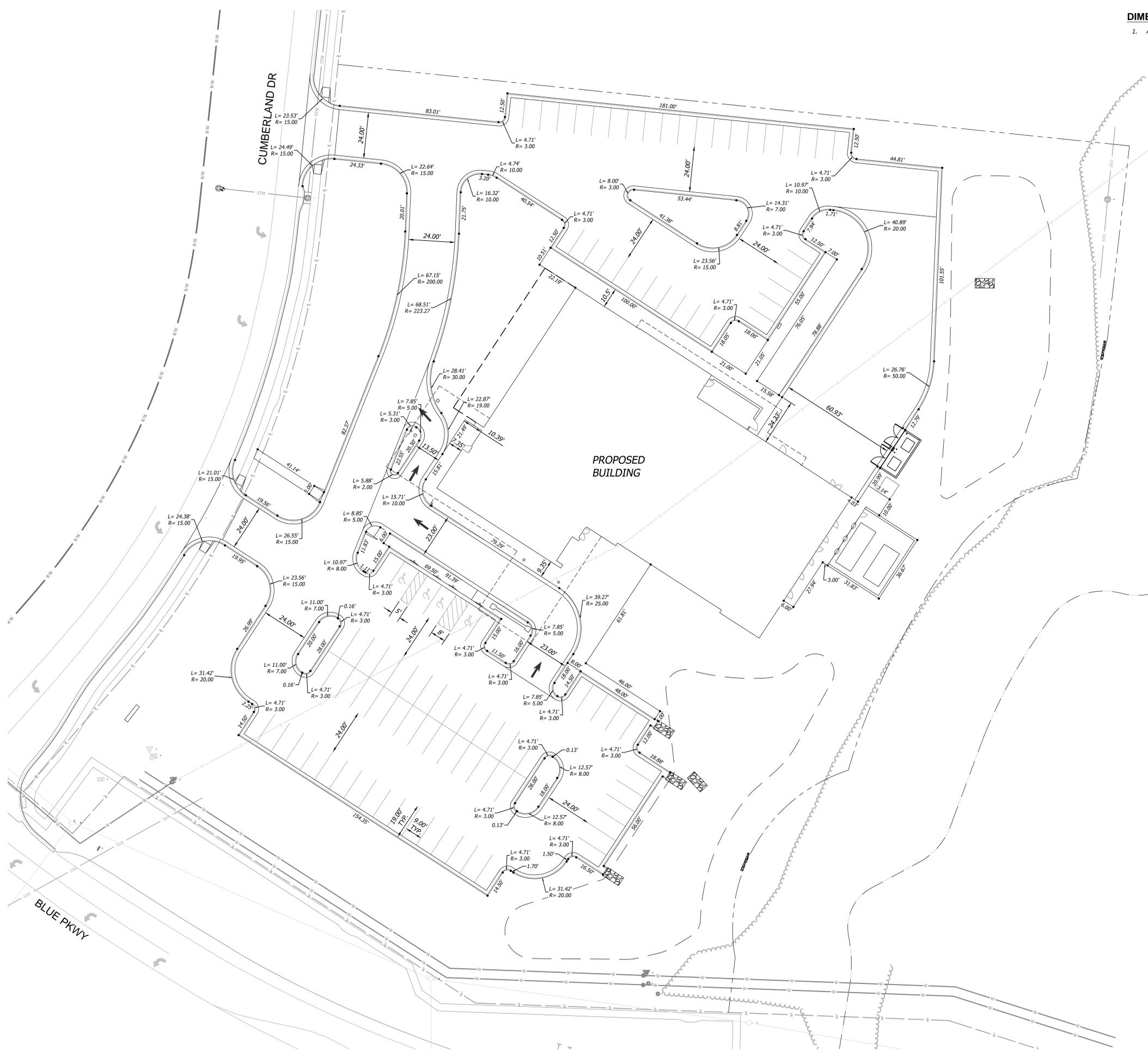
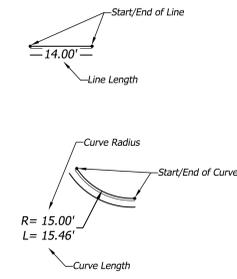
Number	Date	Description
1	2/14/23	Addendum 1

C2.1
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DIMENSION PLAN

DIMENSION NOTES

1. ALL DIMENSIONS ARE TO/ALONG BACK OF CURB UNLESS OTHERWISE NOTED

DIMENSION LEGEND



File 14_2023 - 843pm - Plotted By: Eric Byrd V:\044660-hca-hmc-ess\14r-dwg\Eng\Sheet\03\044660-5915-DMS.dwg Layout: Dims Plan



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1	2/14/23	Addendum 1

C4.1

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MID-CONSTRUCTION
EROSION CONTROL PLAN



EROSION CONTROL LEGEND

- DISTURBED AREA (3.94 AC)
- SILT/SEDIMENT FENCE
- INLET PROTECTION FILTER BAGS
- CONSTRUCTION ENTRANCE
- CONCRETE WASHOUT
- STEEP SLOPE PROTECTION

000 DETAILS

- SEE EROSION CONTROL DETAIL SHEET FOR THE FOLLOWING
- 600 TEMPORARY CONSTRUCTION ENTRANCE
- 601 FILTER FABRIC SILT FENCE
- 602 SLOPE INSTALLATION EROSION BLANKETS/TURF MATS
- 603 STORM INLET PROTECTION
- 604 CONCRETE WASH-OUT

EROSION & SEDIMENT CONTROL STAGING CHART

Phase	Project Stage	BMP Plan Ref. No.	BMP Description	Remove After Stage:	Notes:
Phase I (PRE-CON)	A - Place BMP's Prior to Land Disturbance	01	Perimeter Silt Fence	E	Place as shown on plan
		02	Construction Entrance	D	Place as shown on plan
		03	Concrete Wash-Out	D	Place as shown on plan
		04	Existing Inlet Protection	E	Place as shown on plan
Phase II (MID-CON)	B - Mass Grading	05	Detention Basin Installation	N/A	To be installed prior to disturbing entire site.
	C - After Utility Storm Sewer Construction	06	Storm Inlet Protection	E	Place as shown on plan
Phase III (POST-CON)	D - After Construction of Building and Parking Lot	07	Steep Slope Protection	N/A	Place as shown on plan
	E - Final Grading, Paving & Landscaping	08	Final Seeding, Sod, and Landscaping	N/A	Silt fencing & inlet protect may be removed once seed & sodded areas are established on 80% of site.

Feb 14, 2023 - 8:41 pm Plotted By: Eric Byrd V:\044660-hoa-linc-sec\04-30\01\Draw\03\044660-SP15-ERSM.dwg Layer: Layer-Mid



Eric Byrd - Engineer
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1	2/14/23	Addendum 1
2	3/2/23	Addendum 3

UTILITY CONSTRUCTION NOTES

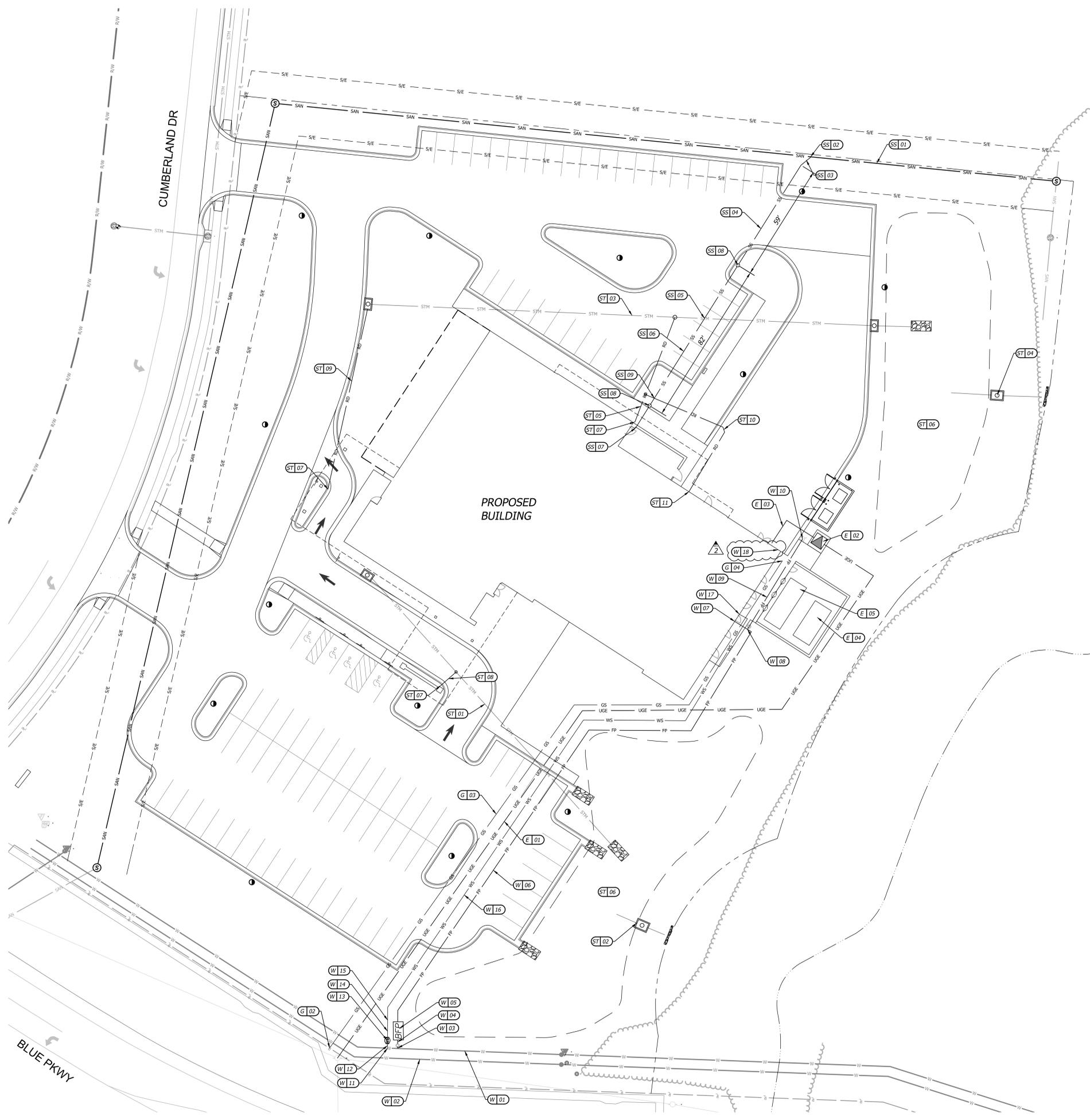
- W - WATER SERVICE INFORMATION - CITY OF LEE'S SUMMIT**
- EXISTING 12" WATER MAIN
 - EXISTING 20" WATER MAIN
 - CONNECT TO WATER MAIN WITH 12"x6" TEE AND 6" GATE VALVE
 - INSTALL 2 LF OF 6" C900 PVC FIRE PROTECTION LINE WITH MINIMUM DEPTH OF COVER OF 48"
 - INSTALL 6" DOUBLE CHECK DETECTOR ASSEMBLY IN CONCRETE VAULT; SEE DETAIL ON DETAIL SHEETS VAULT SUMP TO INCLUDE 2-FOOT DIAMETER HOLE LINED WITH FILTER FABRIC AND FILL WITH CLEAN 3/4-INCH ROCK.
 - INSTALL 290 LF OF 6" C900 PVC FIRE PROTECTION LINE WITH MINIMUM DEPTH OF COVER OF 48"
 - CONNECT FIRE PROTECTION LINE TO BUILDING PLUMBING; SEE MEP PLANS
 - INSTALL 6"x6" TEE.
 - INSTALL 52 LF OF 6" C900 PVC FIRE PROTECTION LINE WITH MINIMUM DEPTH OF COVER OF 48"
 - INSTALL FIRE HYDRANT ASSEMBLY
- E - ELECTRIC SERVICE INFORMATION - EVERGY**
- CONTRACTOR TO INSTALL PRIMARY UNDERGROUND ELECTRIC SERVICE FROM ELECTRIC STRUCTURE TO TRANSFORMER PAD; COORDINATE WITH EVERGY
 - PROPOSED TRANSFORMER PAD
 - CONTRACTOR TO INSTALL SECONDARY UNDERGROUND ELECTRIC SERVICE LINE FROM PROPOSED TRANSFORMER TO BUILDING; REF. ELECTRICAL PLAN
 - PROPOSED CHILLER; REF. ELECTRICAL PLAN
 - PROPOSED BACKUP GENERATOR; REF. ELECTRICAL PLAN
- G - GAS SERVICE INFORMATION - SPIRE**
- CONNECT TO EXISTING GAS MAIN FOR SERVICE LINE; COORDINATE W/ SPIRE
 - INSTALL 350 LF GAS SERVICE LINE
 - PROPOSED METER & GAS CONNECTION TO BLDG.; RE: PLUMBING PLAN
- ST - STORM SEWER INFORMATION - CITY OF LEE'S SUMMIT**
- STORM SEWER LINE 100; RE: SHEET C6.1
 - STORM SEWER LINE 200; RE: SHEET C6.1
 - STORM SEWER LINE 300; RE: SHEET C6.2
 - STORM SEWER LINE 400; RE: SHEET C6.2
 - STORM SEWER LINE 500; RE: SHEET C6.2
 - EXTENDED DRY DETENTION BASIN
 - CONNECT TO ROOF DRAIN LINE
 - INSTALL 10 LF OF 4" HDPE ROOF DRAIN LINE; CONNECT TO DRAIN BASIN; FL = 1000.50
 - INSTALL 90 LF OF 4" HDPE ROOF DRAIN LINE; CONNECT TO CURB INLET; FL = 999.75
 - INSTALL 75 LF OF 4" HDPE ROOF DRAIN LINE; CONNECT TO DRAIN BASIN; FL = 1000.00
 - CONNECT TO DOWNSPOUT
- SS - SANITARY SEWER INFORMATION - CITY OF LEE'S SUMMIT**
- 8" SANITARY MAIN LINE INSTALLED BY SEPARATE SET OF PLANS
 - PROPOSED 8"x6" PVC WYE CONNECTION; MAIN FL = 985.62; SERVICE FL = 986.29
 - INSTALL 7 LF 6" SDR-26 PVC RISER @ 100% SLOPE
 - INSTALL 90 LF 6" SDR-26 PVC SANITARY SEWER SERVICE LINE AT 2% SLOPE
 - SANITARY SERVICE CROSSING WITH STORM SEWER; FL = 995.00
 - INSTALL 64 LF 6" SDR-26 PVC SANITARY SEWER SERVICE LINE AT 7% SLOPE
 - CONNECT TO BUILDING PLUMBING WITH FL = 999.50; REF. PLUMBING PLAN
 - INSTALL SANITARY CLEANOUT
 - SANITARY SERVICE CROSSING WITH STORM SEWER; FL = 998.30

UTILITY CONTACTS

- PLANNING AND DEVELOPMENT**
CITY HALL
JOSH JOHNSON
220 SE GREEN STREET
LEE'S SUMMIT, MO 64063
TEL: (816) 969-1600
FAX: (816) 969-1619
- PUBLIC WORKS**
CITY HALL
220 SE GREEN STREET
LEE'S SUMMIT, MO 64063
TEL: (816) 969-1800
FAX: (816) 969-1809
- LEE'S SUMMIT FIRE DEPARTMENT**
207 SE DOUGLAS ROAD
LEE'S SUMMIT, MO 64063
TEL: (816) 969-1300
- TELEPHONE COMPANY**
AT&T
TEL: (800) 464-7928
- CODES ADMINISTRATION**
CITY HALL
220 SE GREEN STREET
LEE'S SUMMIT, MO 64063
TEL: (816) 969-1200
FAX: (816) 969-1201
- WATER UTILITIES**
CITY HALL
1200 SE HAMBLEN RD
LEE'S SUMMIT, MO 64063
TEL: (816) 969-1900
FAX: (816) 969-1935
- ELECTRIC COMPANY**
EVERGY
TEL: (888) 471-5275
- GAS COMPANY**
MISSOURI GAS ENERGY
TEL: (816) 756-5252

UTILITY GENERAL NOTES

- CONTRACTOR SHALL REFER TO ALL SPECIFICATIONS, GUIDELINES, AND INSTALLATION DRAWINGS FROM KCWATER, SPIRE GAS SERVICE, TIME WARNER/AT&T, AND EVERGY FOR THE INSTALLATION OF ALL SERVICE LINES.
- THE INFORMATION SHOWN ON THESE PLANS CONCERNING THE TYPE AND LOCATION OF UNDERGROUND UTILITIES IS NOT GUARANTEED TO BE ACCURATE OR ALL INCLUSIVE. THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING ALL UTILITY COMPANIES FOR FIELD LOCATION OF ALL UNDERGROUND UTILITY LINES PRIOR TO ANY EXCAVATION AND FOR MAKING HIS OWN VERIFICATION AS TO TYPE AND LOCATION OF UNDERGROUND UTILITIES AS MAY BE NECESSARY TO AVOID DAMAGE THERETO.
- CONTRACTOR TO ENSURE 6" MINIMUM SEPARATION BETWEEN UTILITIES AT CROSSINGS. CONTRACTOR TO CALL CIVIL IF ANY CONFLICTS BETWEEN UTILITIES ARE FOUND.
- FIRE LINE NOTES:
 - ALL PRIVATE FIRE LINES SHALL BE INSTALLED IN ACCORDANCE WITH NFPA 24, AND OTHER APPLICABLE CODES AND STANDARDS.
 - CONTACT THE FIRE DEPARTMENT TO SCHEDULE INSPECTIONS PRIOR TO PRIVATE FIRE LINES BEING BACKFILLED.
 - CONTACT THE FIRE DEPARTMENT TO WITNESS SCHEDULED HYDROSTATIC TESTS AND FLUSHES OF PRIVATE FIRE LINES.
- STUB ALL CONNECTIONS TO WITHIN 5' OF THE BUILDING TO PROVIDE CONNECTION INTO THE BUILDING BY MECHANICAL/PLUMBING CONTRACTOR.
- CONTRACTOR TO ENSURE MIN. 18" VERTICAL SEPARATION BETWEEN UTILITIES AT CROSSING. CONTRACTOR TO CALL ENGINEER IF ANY CONFLICTS BETWEEN UTILITIES ARE FOUND.
- ALL WATER SERVICE INSTALLATIONS INCLUDING BACKFLOW DEVICES ARE SUBJECT TO FIELD VERIFICATION AND APPROVAL BY THE WATER DEPARTMENT INSPECTOR.



Mar 02, 2023 - 10:00am Plotted By: Eric Byrd P:\024680-hca-linc-see\04-206\Eng\Sheet\05\024680-SMPS-UTIL.dwg Layout: UTILITY PLAN

STORM NOTE

ALL NORTHINGS, EASTINGS, AND ALIGNMENT STATIONING FOR STORM STRUCTURES ARE TO CENTER OF STRUCTURE UNLESS STATED OTHERWISE.



Eric Byrd - Engineer
Missouri: #PE-2018013633

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Missouri: #000958

CIVIL CONSULTANT

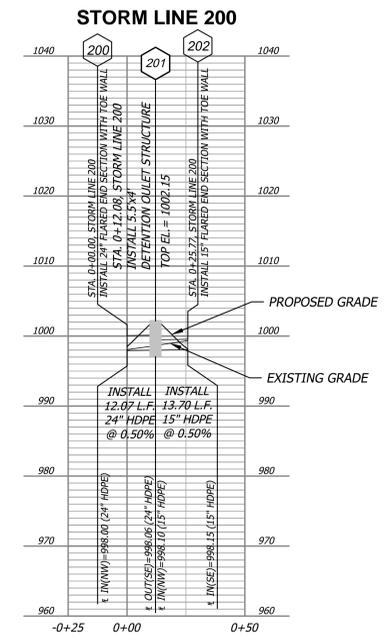
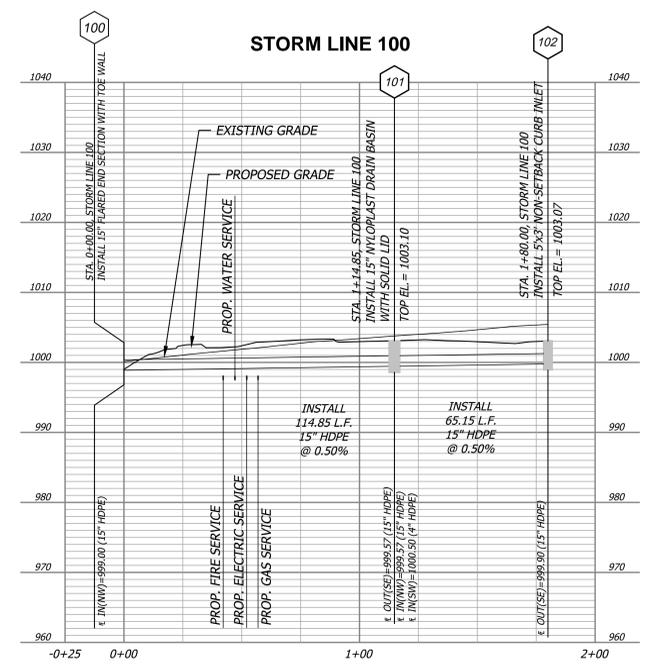
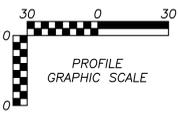
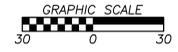
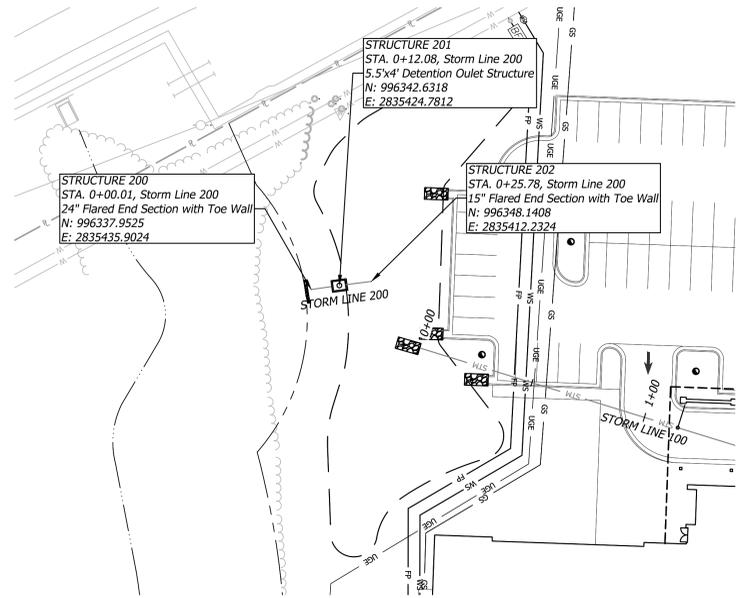
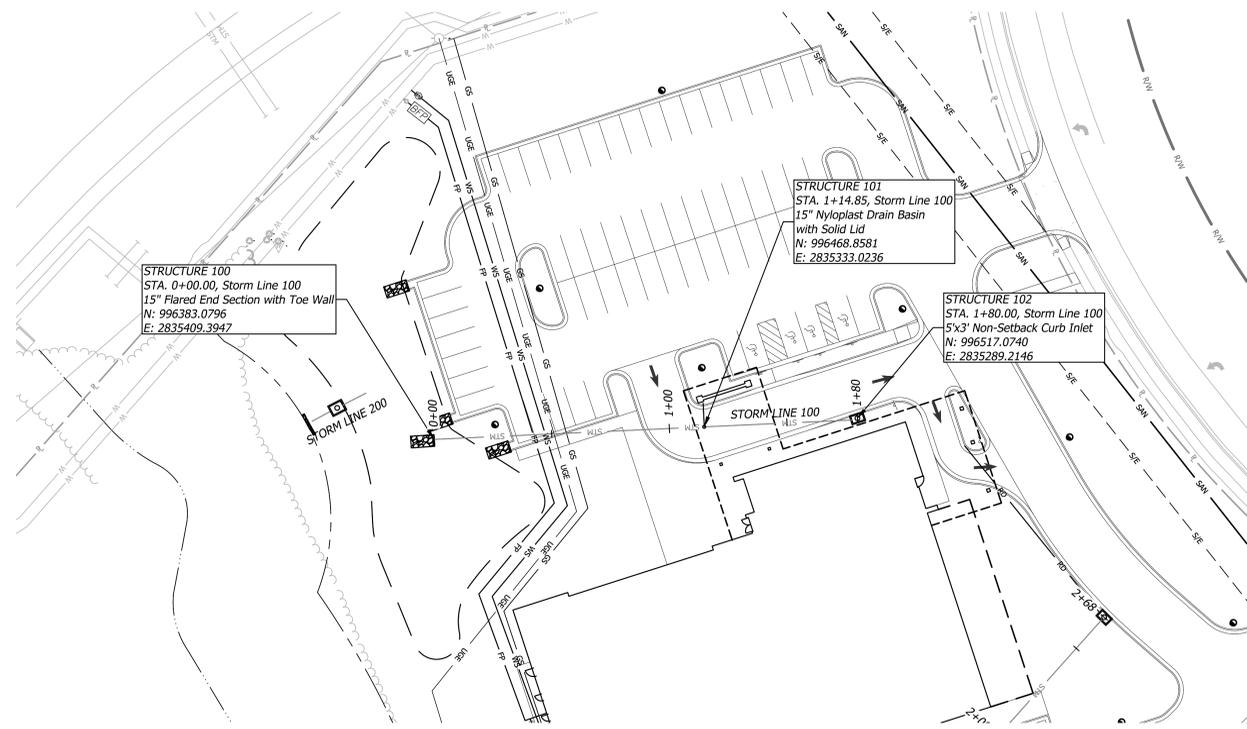
BHC
7101 College Blvd., Suite 400
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MEP CONSULTANT

Branch Pattern
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Kansas City, MO 64108
(816) 531-2121



Surgery Center of Lee's Summit
1950 SE Shenandoah Drive
Lee's Summit, MO 64063

Date 01/13/23
Job Number 3-22030
Drawn By TS
Checked By EB

Number	Date	Description
1	2/14/23	Addendum 1

Feb 14, 2023 - 8:42am - Plotted By: Eric Byrd
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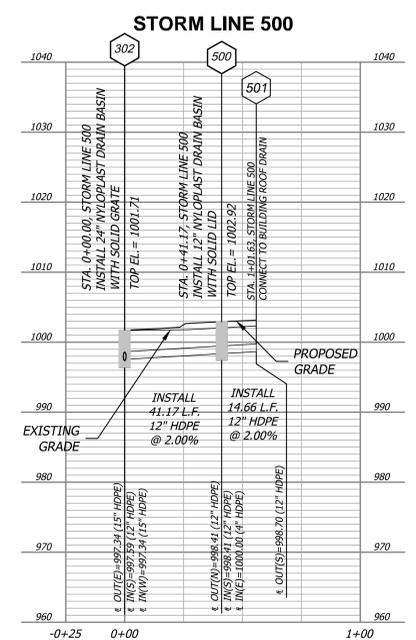
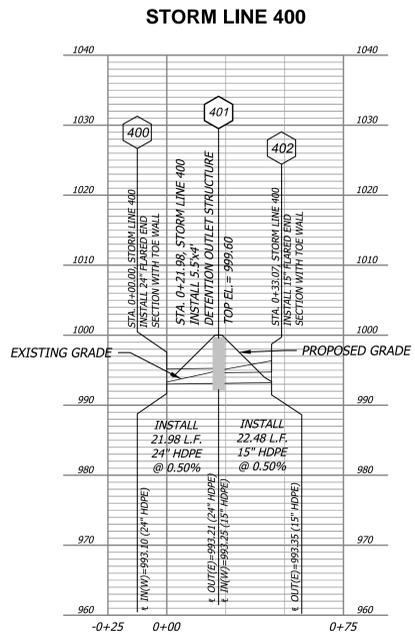
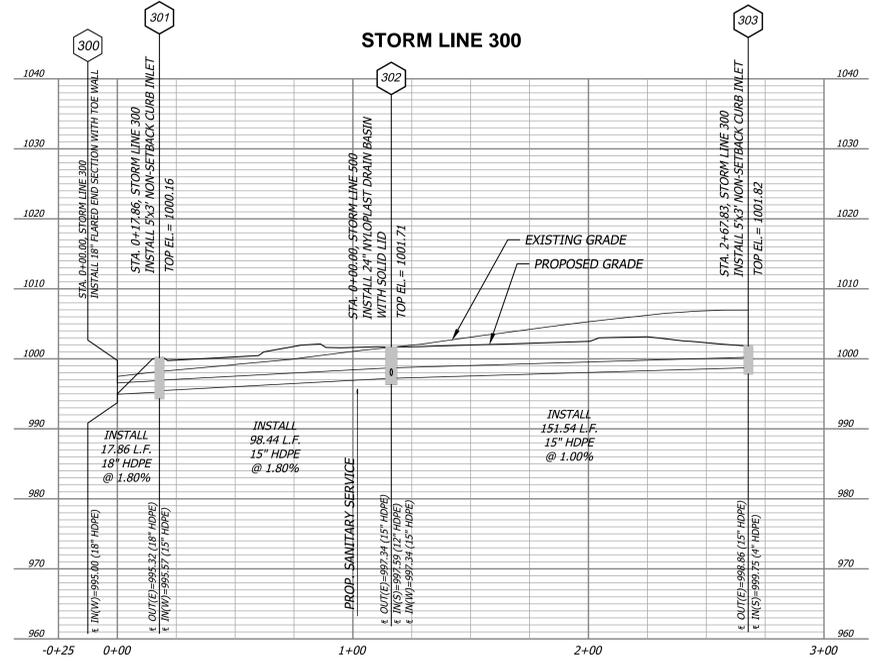
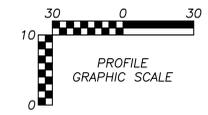
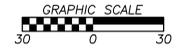
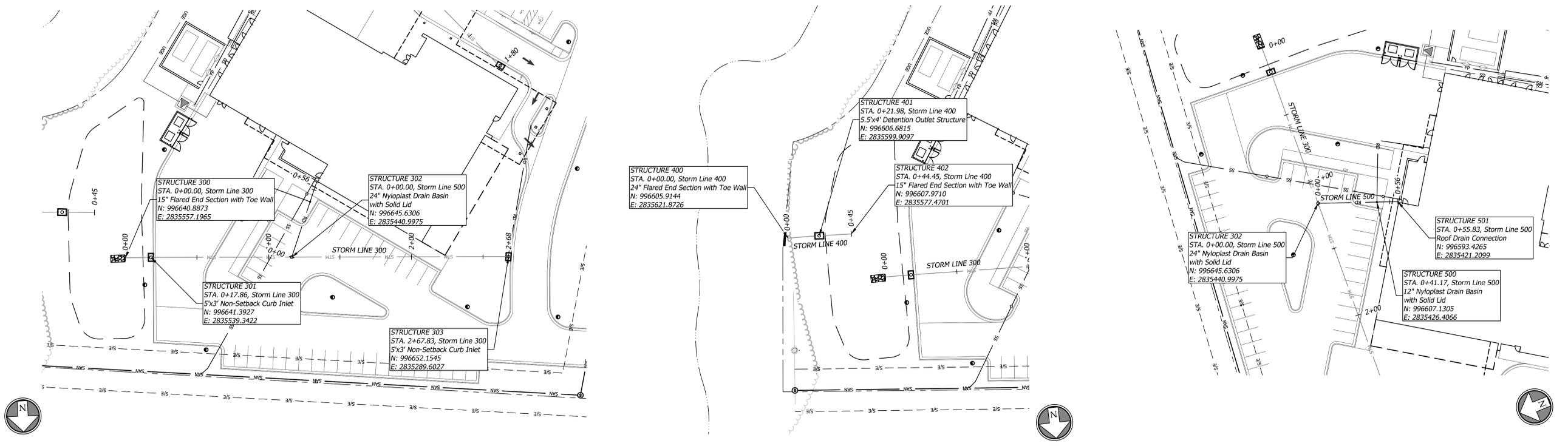
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STORM NOTE

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Surgery Center of Lee's Summit
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Date 01/13/23
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Checked By EB

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File 14_2023 - 843pm - Printed By: Eric Byrd V:\044660-hoa-hmc-ess\14-2023\DWG\1044660-5015-SP15-PIPE.dwg Layout: Plan & Profile (2)



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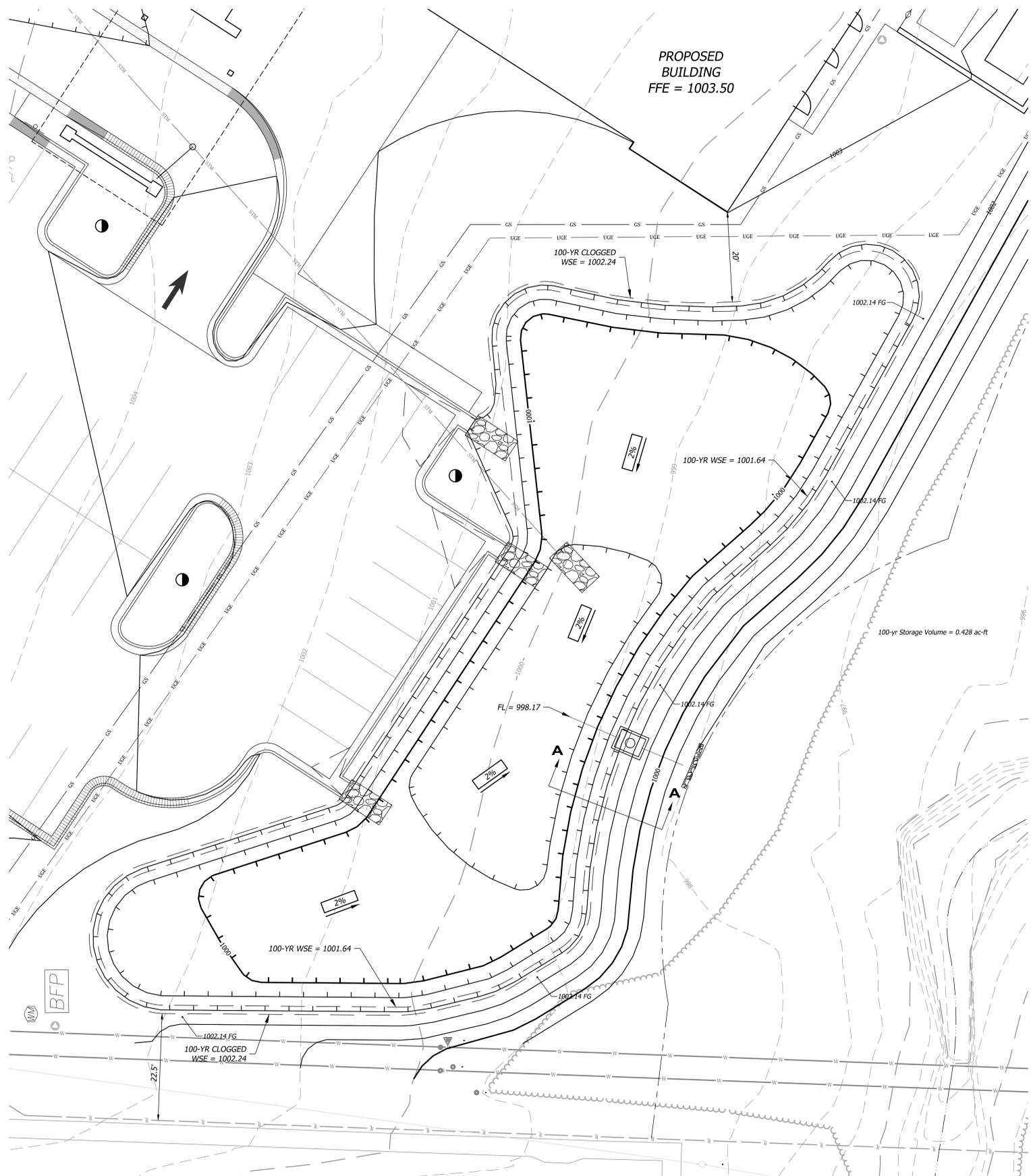
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Surgery Center of Lee's Summit
1950 SE Shenandoah Drive
Lee's Summit, MO 64063

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PROPOSED BUILDING
FFE = 1003.50

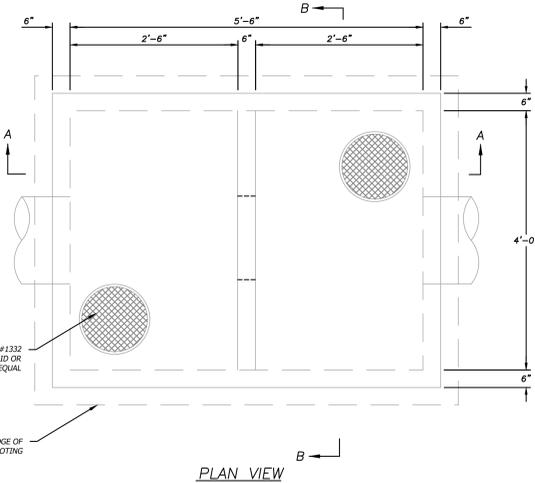
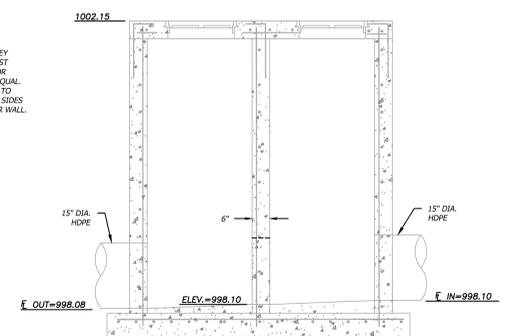
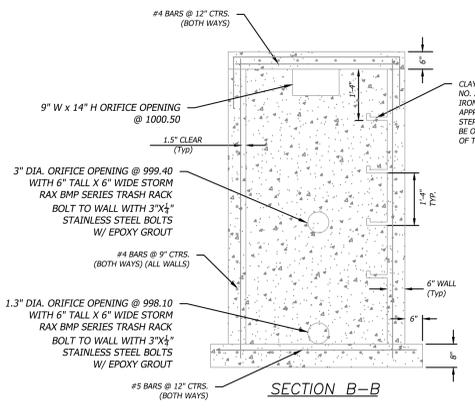
100-YR CLOGGED
WSE = 1002.24

100-YR WSE = 1001.64

100-yr Storage Volume = 0.428 ac-ft

100-YR WSE = 1001.64

100-YR CLOGGED
WSE = 1002.24



South Detention Outlet Control Structure

Not to Scale

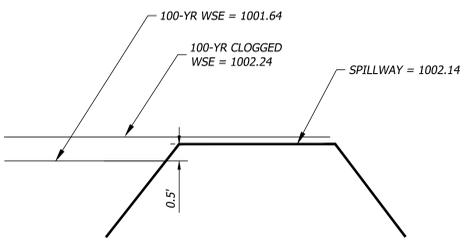
GENERAL NOTES

- ALL STORM SEWER STRUCTURES SHALL BE PRECAST.
- PRECAST SHOP DRAWINGS ARE TO BE APPROVED BY THE ENGINEER.
- DO NOT SCALE THESE DRAWINGS FOR DIMENSIONS OR CLEARANCES. ANY QUESTIONS REGARDING DIMENSIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO CONSTRUCTION.
- RING & COVER TO BE EAST JORDAN IRON WORKS #00150230 (HEAVY DUTY) OR APPROVED EQUAL.
- PIPE CONNECTIONS TO PRECAST STRUCTURES SHALL HAVE A MINIMUM OF 6" OF CONCRETE AROUND THE ENTIRE PIPE WITHIN 2' OF THE STRUCTURE.
- MATERIAL SELECTION AND COMPACTION REQUIREMENTS FOR BACKFILL AROUND STRUCTURES SHALL BE AS SPECIFIED IN THE CITY TECHNICAL SPECIFICATIONS.

MATERIAL NOTES

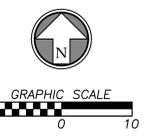
CONCRETE

- CONCRETE USED IN THIS WORK SHALL BE KCMMB4K FOR ALL PRECAST STRUCTURAL COMPONENTS, AS APPROVED BY THE KANSAS CITY METROPOLITAN MATERIALS BOARD, AND SHALL MEET THE REQUIREMENTS OF THE CITY TECHNICAL SPECIFICATIONS.
- CONCRETE CONSTRUCTION SHALL MEET THE APPLICABLE REQUIREMENTS OF STANDARD SPECIFICATIONS FOR STATE ROAD AND BRIDGE CONSTRUCTION, KANSAS DEPARTMENT OF TRANSPORTATION, LATEST EDITION.
- INLET FLOORS SHALL BE SHAPED WITH NON-REINFORCED KCMMB4K CONCRETE INVERT TO PROVIDE SMOOTH FLOW.
- BEVEL ALL EXPOSED EDGES WITH 1/4" TRIANGULAR MOLDING.
- REINFORCING STEEL
- REINFORCING STEEL SHALL BE NEW BILLET, MINIMUM GRADE 40 AS PER ASTM A615, AND SHALL BE BENT COLD.
- ALL DIMENSIONS RELATIVE TO REINFORCING STEEL ARE TO CENTERLINE OF BARS. 2" CLEARANCE SHALL BE PROVIDED THROUGHOUT UNLESS NOTED OTHERWISE. TOLERANCE OF ±1/8" SHALL BE PERMITTED.
- ALL LAP SPLICES NOT SHOWN SHALL BE A MINIMUM OF 40 BAR DIAMETERS IN LENGTH.
- ALL REINFORCING STEEL SHALL BE SUPPORTED ON FABRICATED STEEL BAR SUPPORTS @ 3'-0" MAXIMUM SPACING.
- ALL DOWELS SHALL BE ACCURATELY PLACED AND SECURELY TIED IN PLACE PRIOR TO PLACEMENT OF BOTTOM SLAB CONCRETE. STICKING OF DOWELS INTO FRESH OR PARTIALLY HARDENED CONCRETE WILL NOT BE ACCEPTABLE.



Section A-A

GENERAL NOTE:
The detention basin and outlet structure shall be constructed at the same time as erosion and sediment control devices and measures, prior to any other activity on the project.
An as-graded and as-built survey shall be submitted and accepted by the City prior to an occupancy permit being granted.



File 14, 2023 - 8:43pm Plotted By: Eric Byrd V:\046660-100 hmc_ess\14r-dms\Eng\Sheet\03\046660-5915-027\Layout - South Basin



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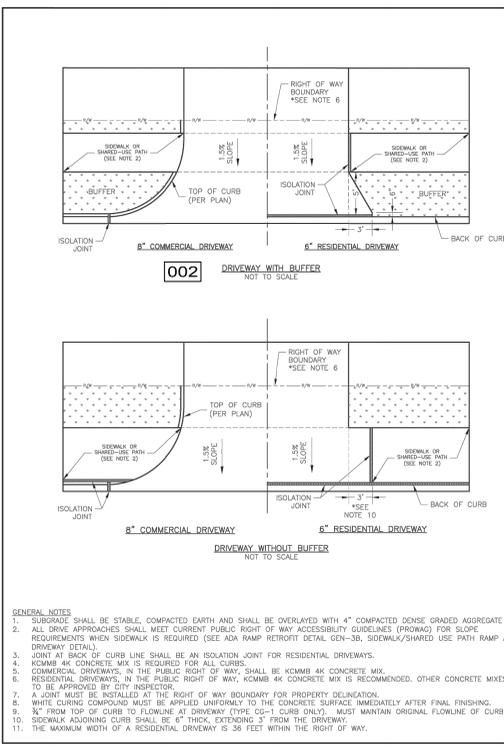
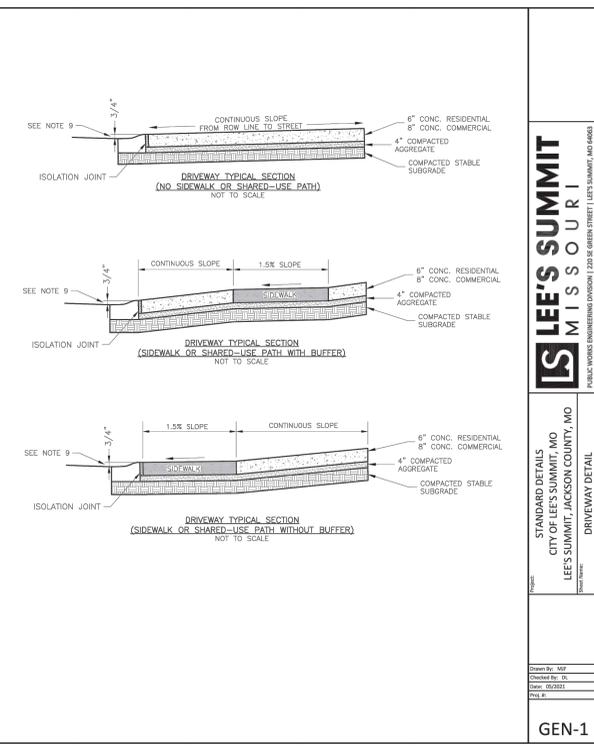
MEP CONSULTANT

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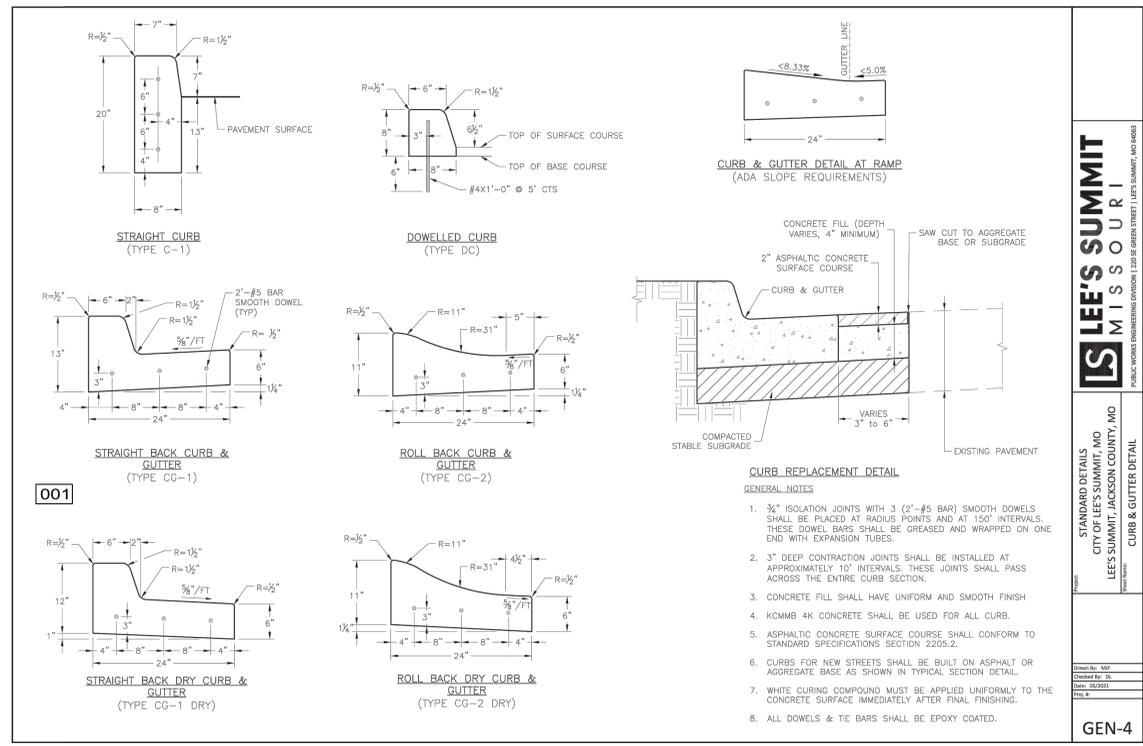
Surgery Center of Lee's Summit
1950 SE Shenandoah Drive
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Date: 01/13/23
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Revision		
Number	Date	Description
1	2/14/23	Addendum 1



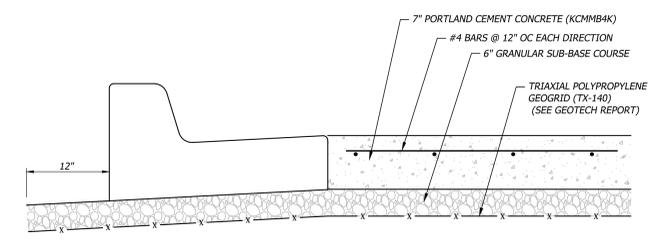
- GENERAL NOTES**
- SUBGRADE SHALL BE STABLE, COMPACTED EARTH AND SHALL BE OVERLAYED WITH 4" COMPACTED DENSE GRADED AGGREGATE BASE.
 - ALL DRIVE APPROACHES SHALL MEET CURRENT PUBLIC RIGHT OF WAY ACCESSIBILITY GUIDELINES (PROWAG) FOR SLOPE REQUIREMENTS WHEN SIDEWALK IS REQUIRED (SEE ADA RAMP RETROFIT DETAIL GEN-38, SIDEWALK/SHARED USE PATH RAMP AT DRIVEWAY DETAIL).
 - JOINT AT BACK OF CURB LINE SHALL BE AN ISOLATION JOINT FOR RESIDENTIAL DRIVEWAYS.
 - KCMMB 4K CONCRETE MIX IS REQUIRED FOR ALL CURBS.
 - COMMERCIAL DRIVEWAYS, IN THE PUBLIC RIGHT OF WAY, SHALL BE KCMMB 4K CONCRETE MIX TO BE APPROVED BY CITY INSPECTOR.
 - RESIDENTIAL DRIVEWAYS, IN THE PUBLIC RIGHT OF WAY, KCMMB 4K CONCRETE MIX IS RECOMMENDED, OTHER CONCRETE MIXES NEED TO BE APPROVED BY CITY INSPECTOR.
 - A JOINT MUST BE INSTALLED AT THE RIGHT OF WAY BOUNDARY FOR PROPERTY DELINEATION.
 - WHITE CURING COMPOUND MUST BE APPLIED UNIFORMLY TO THE CONCRETE SURFACE IMMEDIATELY AFTER FINAL FINISHING.
 - 3/4" FROM TOP OF CURB TO FLOWLINE AT DRIVEWAY (TYPE CG-1 CURB ONLY), MUST MAINTAIN ORIGINAL FLOWLINE OF CURB.
 - SIDEWALK ADJOINING CURB SHALL BE 6" THICK, EXTENDING 3' FROM THE DRIVEWAY.
 - THE MAXIMUM WIDTH OF A RESIDENTIAL DRIVEWAY IS 36 FEET WITHIN THE RIGHT OF WAY.



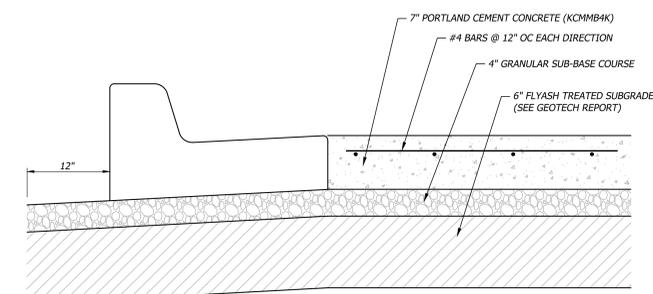
- GENERAL NOTES**
- 3/4" ISOLATION JOINTS WITH 3 (2"-#5 BAR) SMOOTH DOWELS SHALL BE PLACED AT RADIUS POINTS AND AT 150' INTERVALS. THESE DOWEL BARS SHALL BE GREASED AND WRAPPED ON ONE END WITH EXPANSION TUBES.
 - 3" DEEP CONTRACTION JOINTS SHALL BE INSTALLED AT APPROXIMATELY 10' INTERVALS. THESE JOINTS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

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

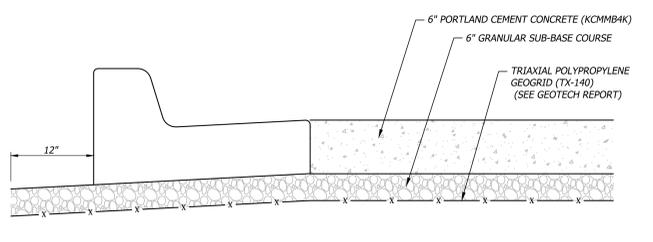
GEN-4



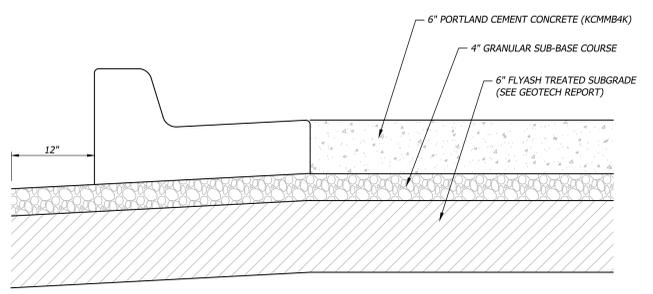
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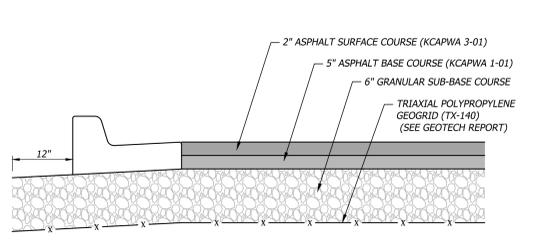
Concrete Dumpster Section Option 2
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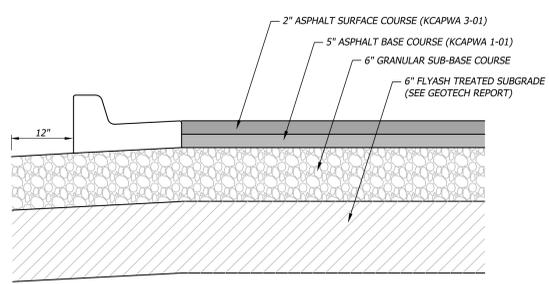
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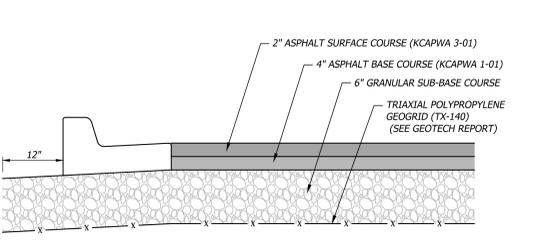
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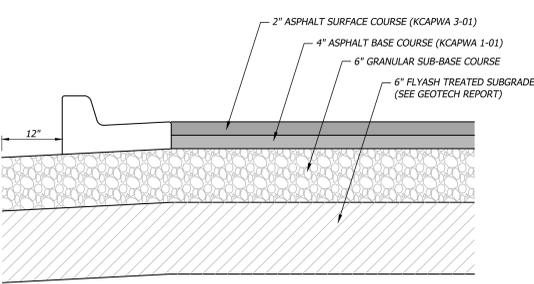
Medium Duty Asphalt Pavement Option 1
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Medium Duty Asphalt Pavement Option 2
Not to Scale

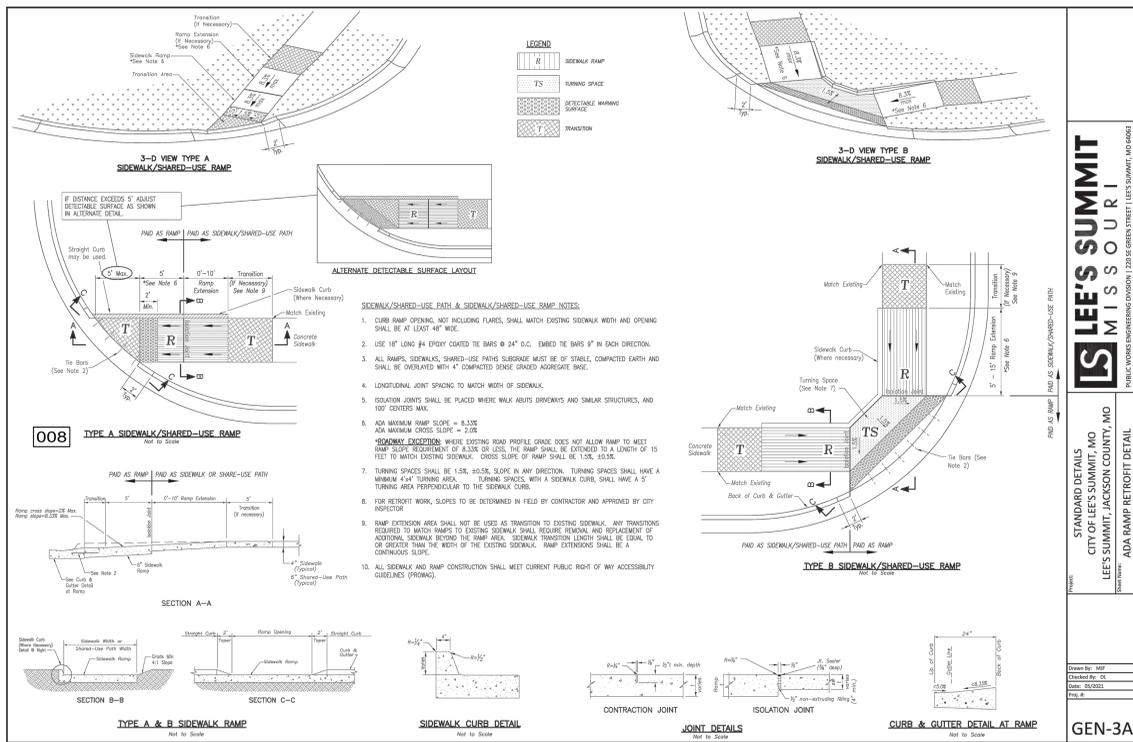


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Not to Scale

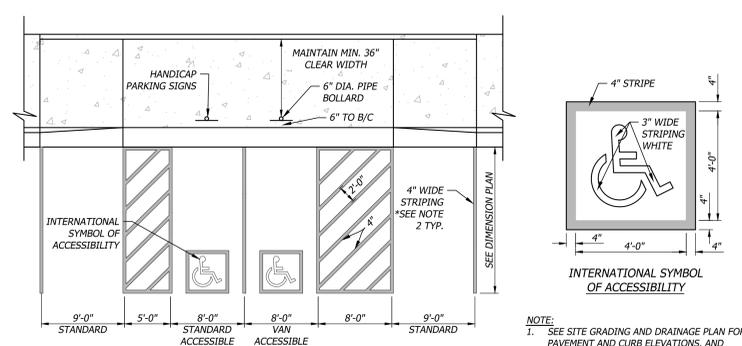
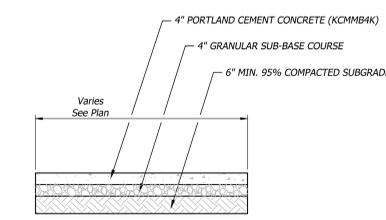


Light Duty Asphalt Pavement Option 2
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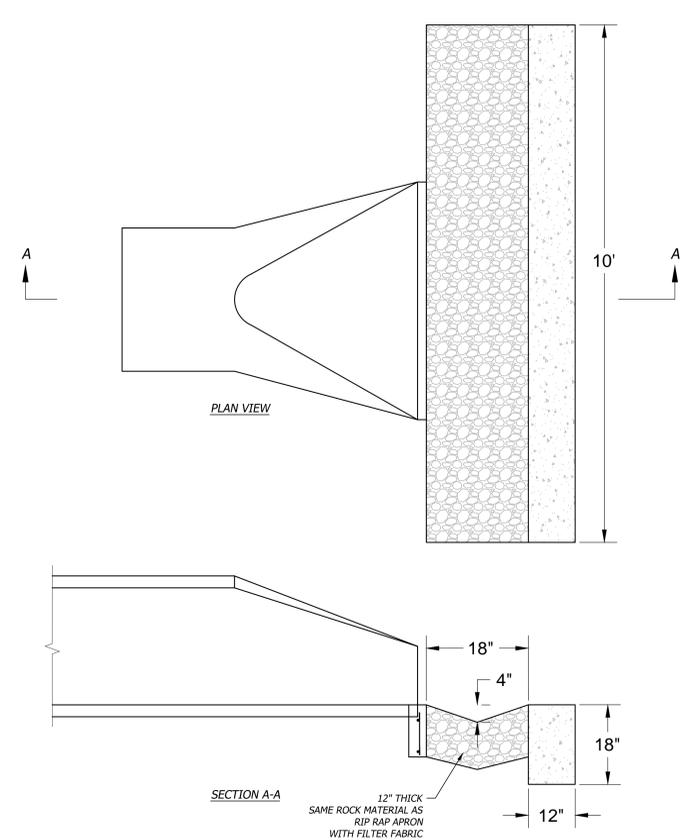
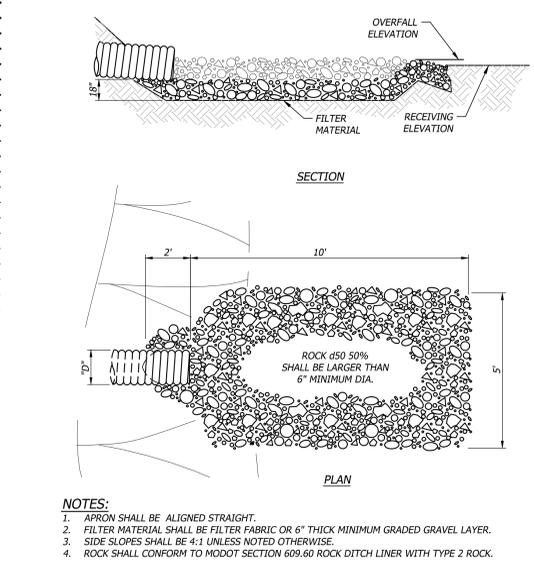
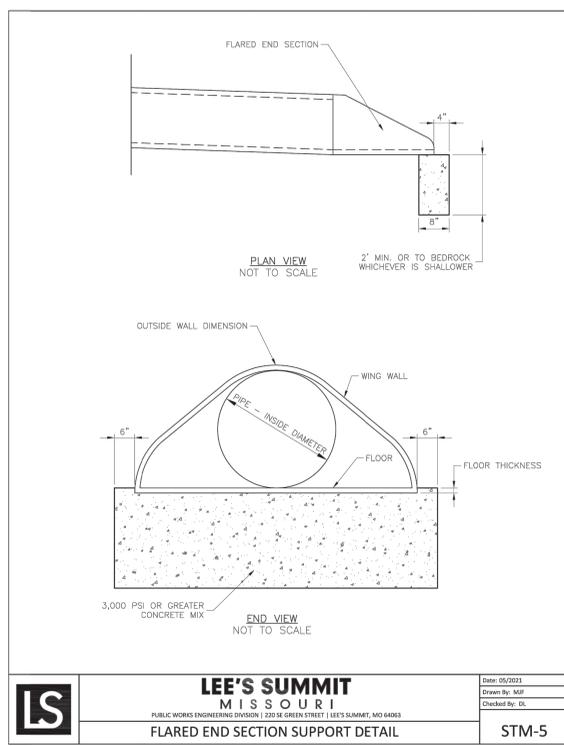
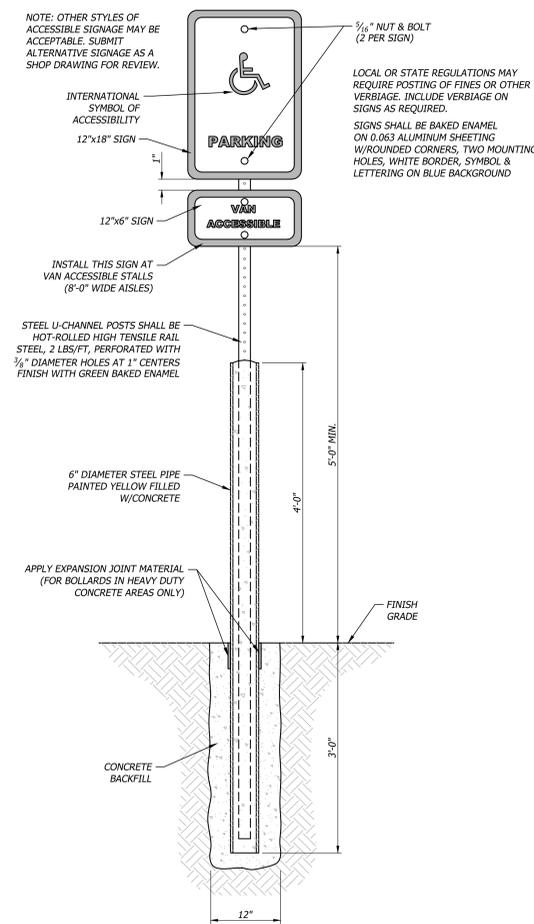
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- NOTES:**
- CONTROL JOINT SPACING SHALL MATCH WIDTH OF SIDEWALK.
 - ISOLATION JOINTS SHALL BE PLACED @ 250' CENTERS OR WHERE WALKS ABUT CURBS, BUILDINGS, ETC....
 - ALL EXTERIOR CONCRETE SHALL HAVE A BROOM FINISH.



- NOTE:**
- SEE SITE GRADING AND DRAINAGE PLAN FOR PAVEMENT AND CURB ELEVATIONS, AND ASSOCIATED ALLOWABLE SLOPES FOR ACCESSIBLE PARKING.
 - PARKING STRIPING COLOR TO BE YELLOW ON CONCRETE AND WHITE ON ASPHALT.



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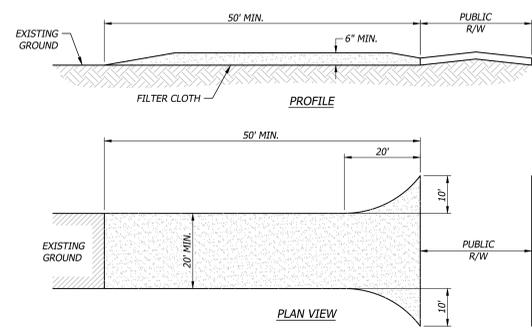
Date	01/13/23
Job Number	3-22030
Drawn By	TS
Checked By	EB

Number	Date	Description
1	2/14/23	Addendum 1

Revision

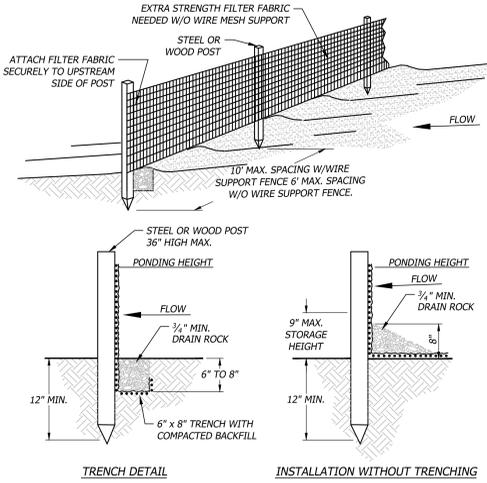
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CONSTRUCTION DETAILS 2



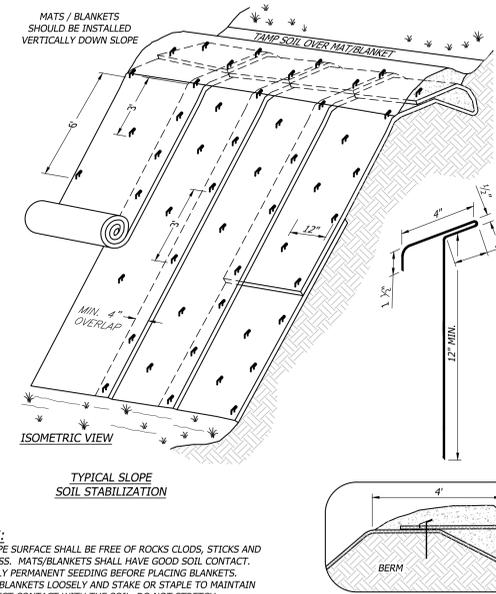
- CONSTRUCTION SPECIFICATIONS:**
1. STONE SIZE - USE (2) INCH STONE, OR RECLAIMED OR RECYCLED EQUIVALENT.
 2. LENGTH - AS REQUIRED, BUT NOT LESS THAN (30) FEET.
 3. THICKNESS - NOT LESS THAN SIX (6) INCHES.
 4. WIDTH - TWENTY (20) FOOT MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS.
 5. FILTER CLOTH - WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE.
 6. SURFACE WATER - ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED ACROSS THE ENTRANCE. IF PIPING IS IMPRACTICAL, A MOUNTABLE BERM WITH 3:1 SLOPES WILL BE PERMITTED.
 7. MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY.
 8. WASHING - WHEELS SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE ONTO PUBLIC RIGHTS-OF-WAY. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.
 9. PERIODIC INSPECTION AS NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.

600 Temporary Construction Entrance
Not to Scale



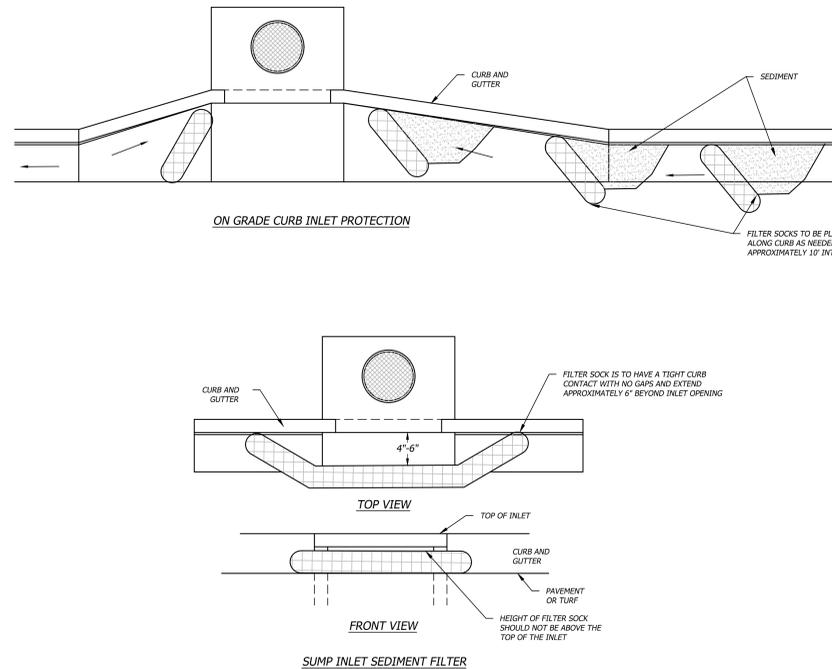
- NOTES:**
1. MUST BE INSTALLED PROPERLY TO AVOID NOTICE OF VIOLATION.
 2. SILT FENCE SHALL BE PLACED ON SLOPE CONTOURS TO MAXIMIZE POUNDING EFFICIENCY.
 3. INSPECT AND REPAIR FENCE AFTER EACH STORM EVENT AND REMOVE SEDIMENT WHEN NECESSARY. 9' MAXIMUM RECOMMENDED STORAGE HEIGHT.
 4. REMOVED SEDIMENT SHALL BE DEPOSITED TO AN AREA THAT WILL NOT CONTRIBUTE TO SEDIMENT OFF-SITE AND CAN BE PERMANENTLY STABILIZED.

601 Filter Fabric Silt Fence
Not to Scale

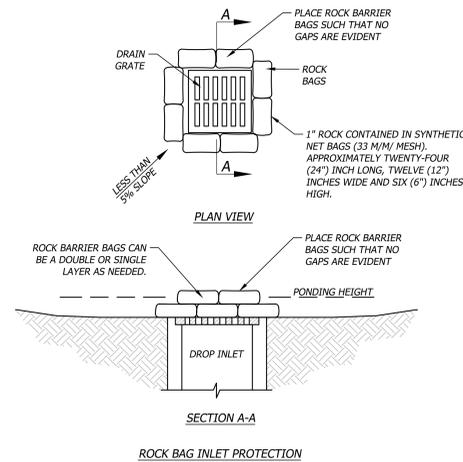


- NOTES:**
1. SLOPE SURFACE SHALL BE FREE OF ROCKS, CLODS, STICKS AND GRASS. MATS/BLANKETS SHALL HAVE GOOD SOIL CONTACT.
 2. APPLY PERMANENT SEEDING BEFORE PLACING BLANKETS.
 3. LAY BLANKETS LOOSELY AND STAKE OR STAPLE TO MAINTAIN DIRECT CONTACT WITH THE SOIL. DO NOT STRETCH.

602 Slope Installation Erosion Blanket/Turf Mats
Not to Scale



603 Storm Inlet Protection
Not to Scale



- CATCH BASIN**
1. PLACE CURB TYPE ROCK BAG BARRIER ON GENTLY SLOPING STREET, WHERE WATER CAN POND AND ALLOW SEDIMENT TO SEPARATE FROM RUNOFF.
 2. BAGS OF WOVEN GEOTEXTILE FABRIC, FILLED WITH GRAVEL MUST BE LAYERED SUCH THAT NO GAPS ARE EVIDENT.
 3. LEAVE ONE SANDBAG GAP IN THE TOP ROW ON THE SIDE AWAY FROM FLOW, TO PROVIDE A SPILLWAY; OR IN THE CENTER IF POUNDING IS NEEDED ON BOTH SIDES.
 4. INSPECT BARRIERS AND REMOVE SEDIMENT AFTER EACH STORM EVENT, SEDIMENT AND GRAVEL MUST BE REMOVED FROM THE TRAVELED WAY IMMEDIATELY.

604 Concrete Washout
Not to Scale



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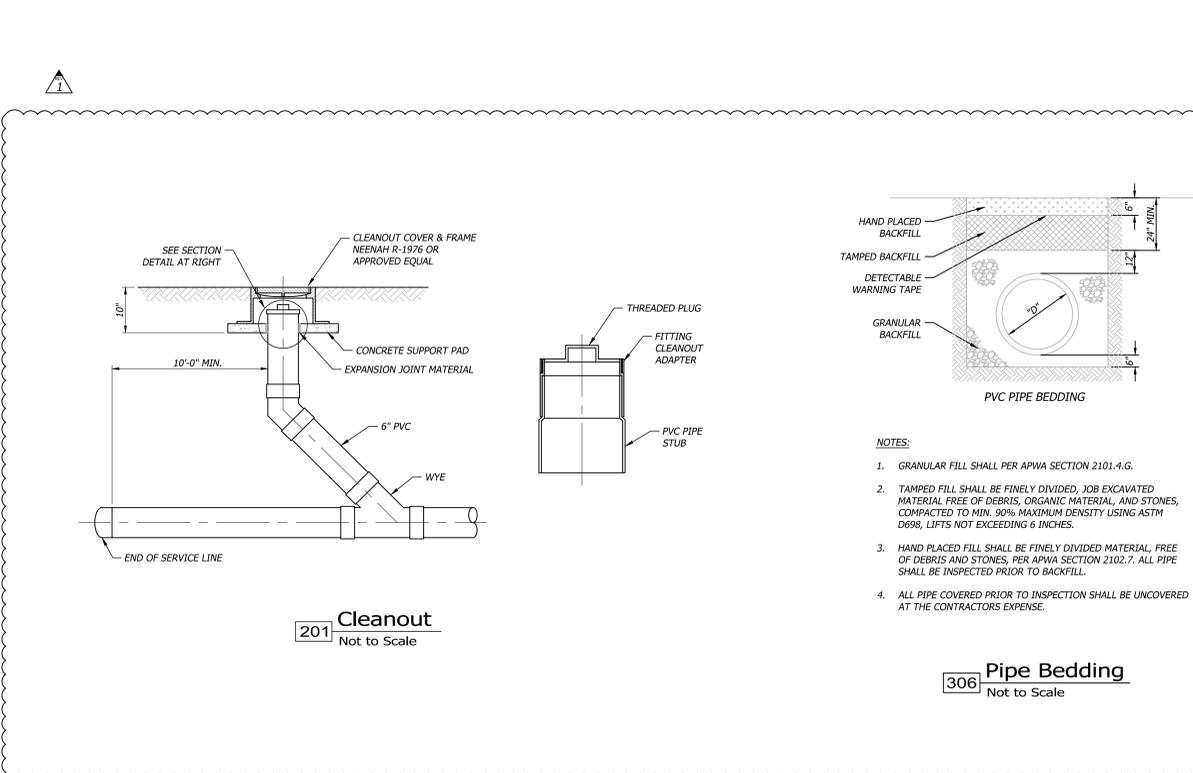
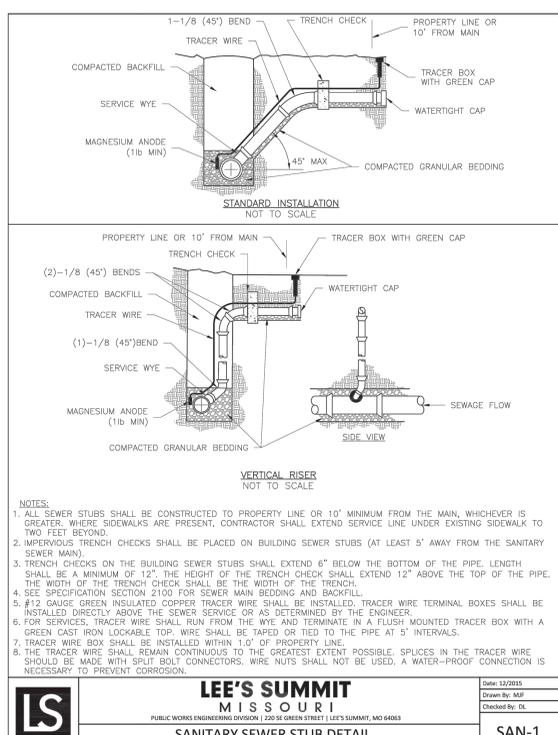
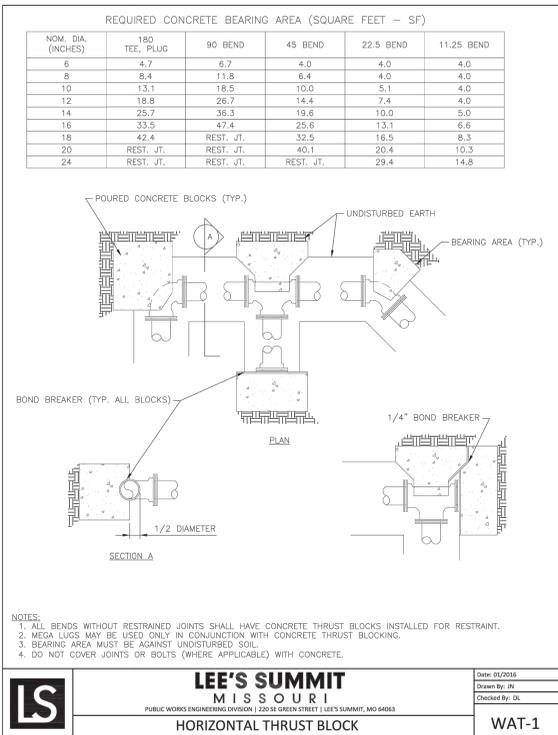
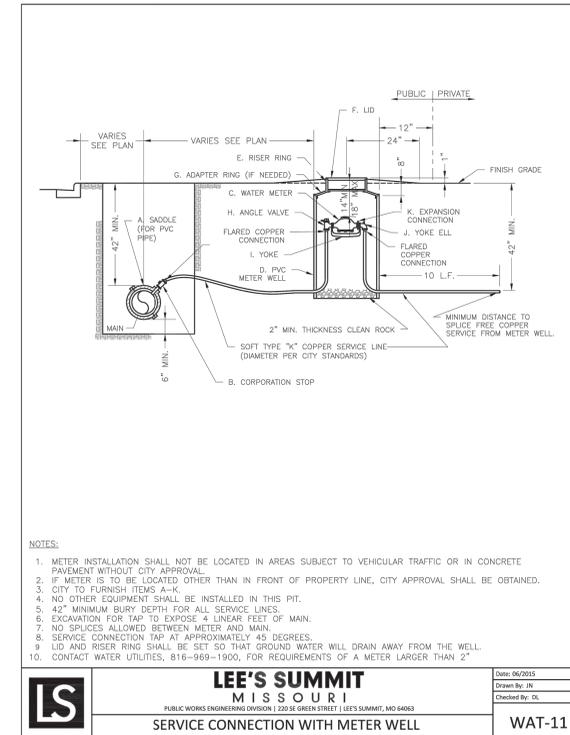
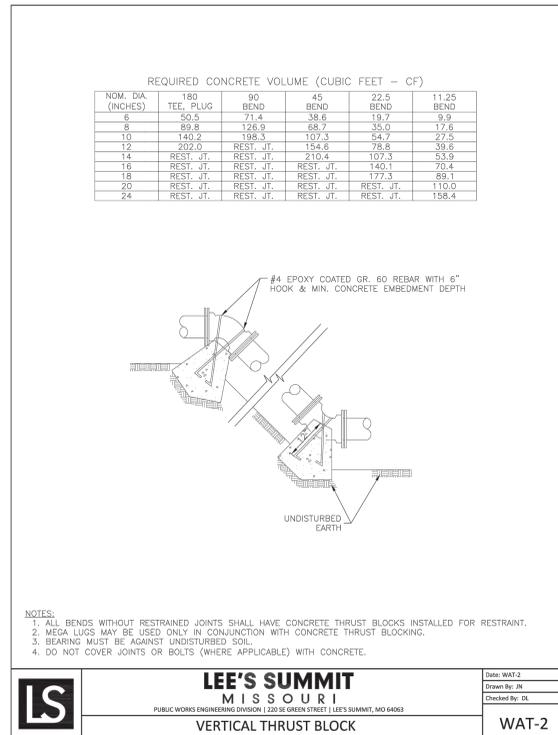
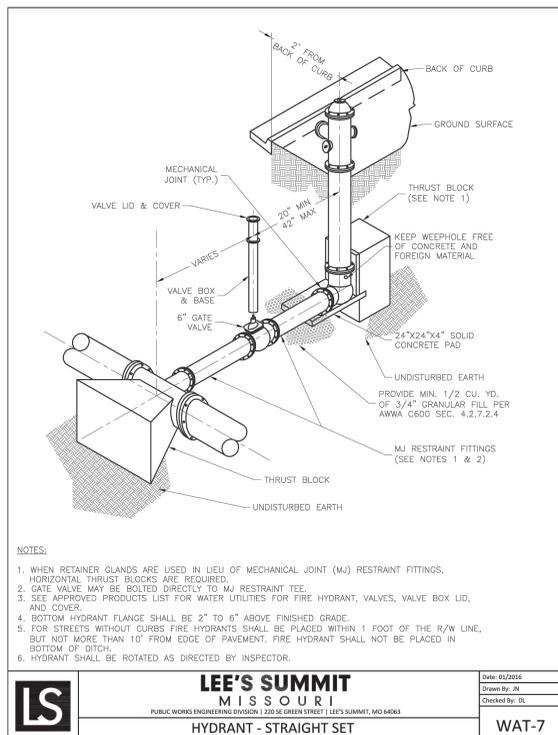
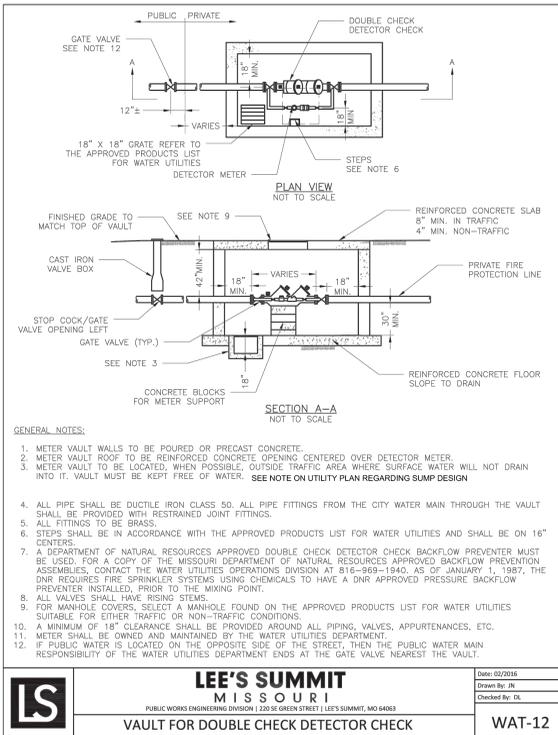
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1950 SE Shenandoah Drive
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Date 01/13/23
Job Number 3-22030
Drawn By TS
Checked By EB

Revision		
Number	Date	Description
1	2/14/23	Addendum 1

- NOTES:**
1. ACTUAL LAYOUT DETERMINED IN FIELD.
 2. THE CONCRETE WASHOUT SIGN SHALL BE INSTALLED WITHIN 30 FEET OF THE TEMPORARY CONCRETE WASHOUT FACILITY.

C7.2



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Date: 01/13/23
Job Number: 3-22030
Drawn By: TS
Checked By: EB

Revision
Number: 1
Date: 2/14/23
Description: Addendum 1

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CONSTRUCTION DETAILS 4



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 Job Number: 3-22030
 Drawn By: AM
 Checked By: CW

Revision
 Number Date Description

L1.0
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 LANDSCAPE PLAN

PLANT SCHEDULE

TREES	QTY	BOTANICAL / COMMON NAME	CONT	CAL	HEIGHT
	12	Platanus x acerifolia 'Morton Circle' / Exclamation™ London Plane Tree FOR PLANTING SPECIFICATIONS SEE DETAIL 801 & 802, SHEET L2.0	B & B	3"	cal
	9	Quercus imbricaria / Shingle Oak FOR PLANTING SPECIFICATIONS SEE DETAIL 801 & 802, SHEET L2.0	B & B	3"	cal
	5	Tilia americana 'Lincoln' / Lincoln American Linden FOR PLANTING SPECIFICATIONS SEE DETAIL 801 & 802, SHEET L2.0	B & B	3"	cal
EVERGREEN TREE	QTY	BOTANICAL / COMMON NAME	CONT	CAL	HEIGHT
	6	Picea pungens glauca 'Bakeri' / Bakeri Blue Spruce FOR PLANTING SPECIFICATIONS SEE DETAIL 801 & 802, SHEET L2.0	B & B		8'H
ORNAMENTAL TREE	QTY	BOTANICAL / COMMON NAME	CONT	CAL	HEIGHT
	12	Malus x 'JFS-KW5' / Royal Raindrops® Crabapple FOR PLANTING SPECIFICATIONS SEE DETAIL 801 & 802, SHEET L2.0	B & B	3"	cal
SHRUBS	QTY	BOTANICAL / COMMON NAME	SPEC	HEIGHT	
	56	Cornus sericea 'Farrow'™ / Arctic Fire Red Twig Dogwood FOR PLANTING SPECIFICATIONS SEE DETAIL 803 & 804, SHEET L2.0	5 gal	18"-24"	H
	28	Itea virginica 'Merlot' / Merlot Sweetshrub FOR PLANTING SPECIFICATIONS SEE DETAIL 803 & 804, SHEET L2.0	5 gal	24"-36"	H
	49	Rhus aromatica 'Gro-Low' / Gro-Low Fragrant Sumac FOR PLANTING SPECIFICATIONS SEE DETAIL 803 & 804, SHEET L2.0	5 gal	12"-18"	H
EVERGREEN SHRUB	QTY	BOTANICAL / COMMON NAME	SPEC	HEIGHT	
	46	Chamaecyparis pisifera 'Golden Mop' / Golden Mop Threadleaf Sawara Cypress FOR PLANTING SPECIFICATIONS SEE DETAIL 803 & 804, SHEET L2.0	5 gal	24"-30"	H
	5	Ilex x meserveae 'China Boy' / China Boy® Holly FOR PLANTING SPECIFICATIONS SEE DETAIL 803 & 804, SHEET L2.0	5 gal	24"-36"	H
	38	Ilex x meserveae 'China Girl' / China Girl® Holly FOR PLANTING SPECIFICATIONS SEE DETAIL 803 & 804, SHEET L2.0	5 gal	18"-24"	H
	32	Taxus x media 'Fairview' / Fairview Yew FOR PLANTING SPECIFICATIONS SEE DETAIL 803 & 804, SHEET L2.0	5 gal	24"-30"	H
PERENNIALS	QTY	BOTANICAL / COMMON NAME	SPEC	HEIGHT	
	42	Panicum virgatum 'Northwind' / Northwind Switch Grass FOR PLANTING SPECIFICATIONS SEE DETAIL 803 & 804, SHEET L2.0	1 gal	12"-18"	H
GROUND COVERS	QTY	BOTANICAL / COMMON NAME	SPEC		
	67,953 sf	Festuca arundinacea 'Watersaver Blend' / Watersaving Blend of Tall Fescue Sod: 90% 3-species Turf-Type Fescue Blend (Covenant II, Avenger, Garrison), 10% Bluegrass. PLACE ALUMINUM LANDSCAPE EDGING, OR APPROVED EQUAL, WHERE PLANTING BEDS ADJOIN TURF AREAS. SEE DETAIL 805, SHEET L2.0	sod		

MULCH SCHEDULE

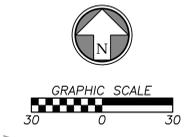
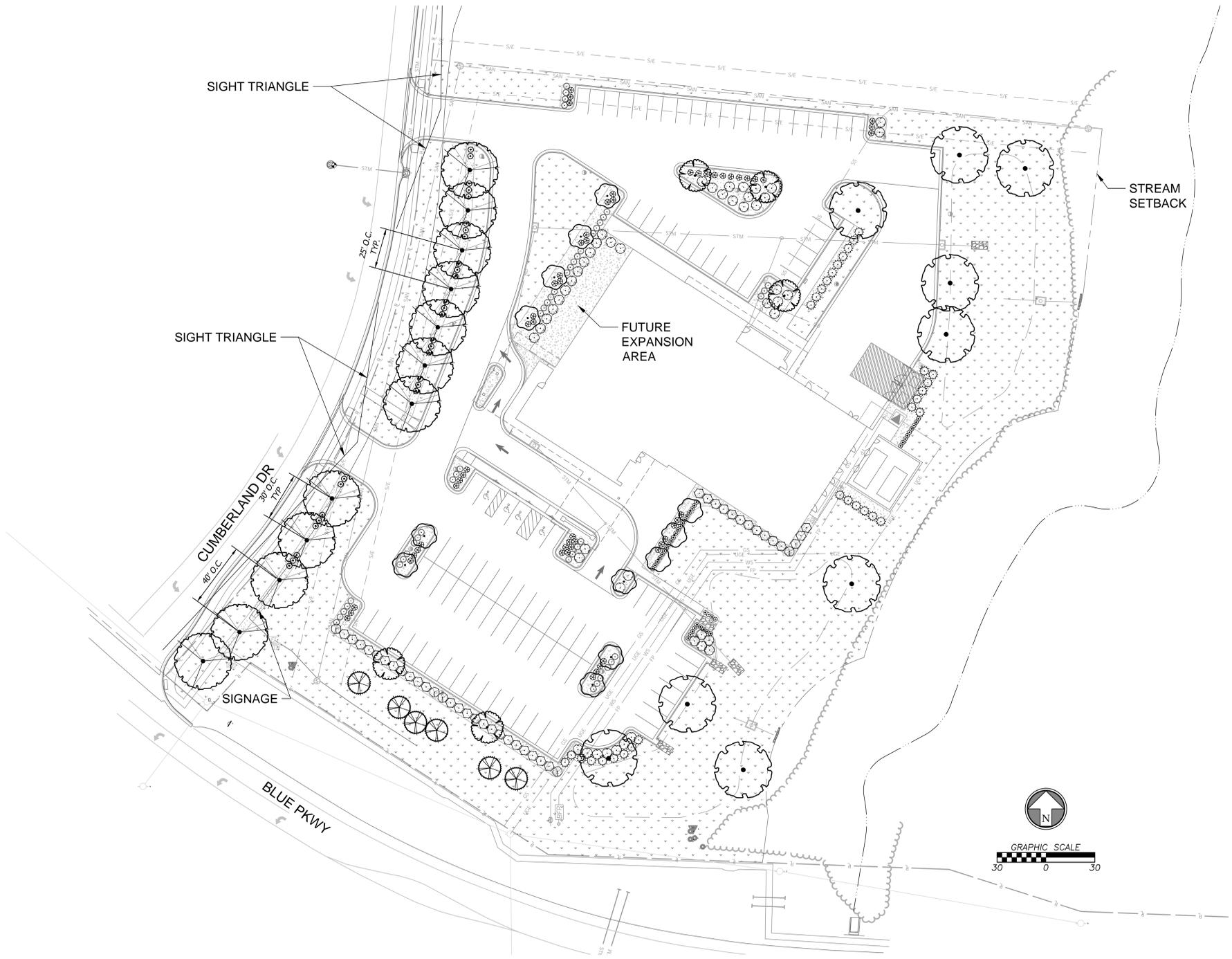
	ROCK MULCH SAMPLE OF ROCK MULCH TO BE PROVIDED TO OWNER AND ARCHITECT FOR APPROVAL. Buffalo River Rock or Regional Equal. Size: 1"-3" Rock. Depth: 3" Depth.	1,680 sf
	WOOD MULCH Double Ground Hardwood Mulch 3" Depth.	11,164 sf

LEGEND

	PROPOSED STORM SEWER LINE
	PROPOSED ROOF LINE DRAIN
	PROPERTY LINE
	RIGHT-OF-WAY LINE

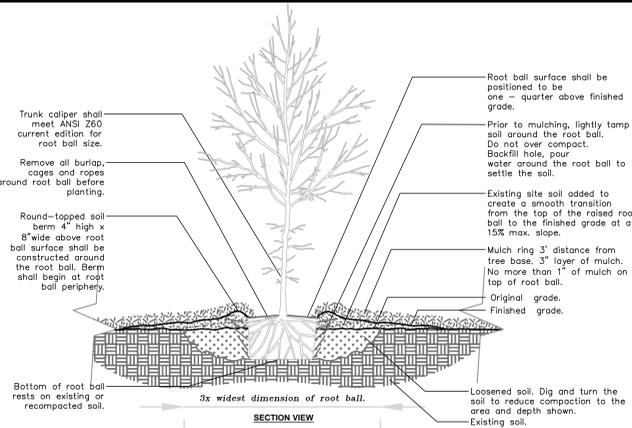
SITE DATA

	Quantity	Required	Provided
Street Frontage			
SE Cumberland Dr	351.2		
1 tree / 30 LF of street		11.71	12
1 shrub / 20 LF of street		17.56	28
Open Yard			
site area (without bid footprint)	152,945		
1 tree / 5,000 SF of lot		30.59	32
2 shrubs / 5,000 SF of lot		61.18	268
Perimeter Parking Landscape			
continuous 2.5' ht screen: min 12 shrubs / 40 LF		Y	Y
Island/Interior Landscape			
parking area (SF)	79,841.00		
landscape min 5% of parking area		3,992.1	7,190.8
trees/landscape in islands		Y	Y
groundcover on all interior areas		Y	Y
Utility Screening			
above ground cabinets should be screened w/landscaping		Y	Y

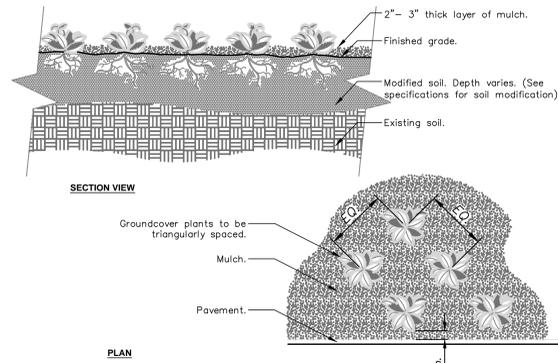


- ### GENERAL LANDSCAPE NOTES
- The Contractor shall verify and coordinate all final grades with the Landscape Architect and or design team prior to completion.
 - Location and placement of all plant material shall be coordinated with the Landscape Architect prior to installation.
 - Location of all utilities are approximate, the Contractor shall field verify locations prior to commencement of construction operations.
 - Refer to Civil Drawings for all grading and berming, erosion control, storm drainage, utilities and site layout.
 - The Contractor shall arrange and conduct a pre-construction meeting onsite with Landscape Architect prior to work.
 - Plant quantities are for information only, drawing shall prevail if conflict occurs. Contractor is responsible for calculating own quantities and bid accordingly.
 - Tree locations in areas adjacent to drives, walks, walls and light fixtures may be field adjusted as approved by Landscape Architect.
 - The Contractor shall report subsurface soil or drainage problems to the Landscape Architect.
 - The plan is subject to changes based on plant size and material availability. All changes or substitutions must be approved by the City of Lee's Summit and the Landscape Architect.
 - Aluminum landscape edging to be used on all landscape beds adjoining turf areas as noted on landscape plans.
 - Landscape Contractor shall be responsible for watering all plant material until the time that a permanent water source is ready.
 - The Contractor shall show proof of procurement, sources, quantities, and varieties for all shrubs, perennials, ornamental grasses, and annuals within 21 days following the award of the contract.
 - Contractor shall provide full maintenance for newly landscaped areas for a period of 30 days after the date of final acceptance. At the end of the maintenance period, a healthy, well-rooted, even-colored, viable turf and landscaped area must be established. The landscaped areas shall be free of weeds, open joints, bare areas, and surface irregularities.
 - Landscape Contractor shall provide rock mulch sample to owner for approval.

- ### GENERAL IRRIGATION NOTES
- Irrigation plan to be provided during permitting phase of development
- Irrigation plan to not interfere with any proposed improvements shown.
 - Irrigation system design to be based on available psi. Minimum operating pressure for spray heads shall be 30 psi and minimum operating pressure for drip zones shall be 40 psi.
 - The contractor shall be responsible for providing uninterrupted, 110 v electrical service to the controller and for all hook-ups. All exposed low voltage wire shall be enclosed in a conduit.
 - Place valve boxes 12" minimum from and parallel to curbs and walks, grouped valves to be equally spaced.
 - Install all mainlines to 1% minimum slope to drain valves located at low points of main system.
 - Irrigation controller and rain sensor shall be located in owner approved locations.

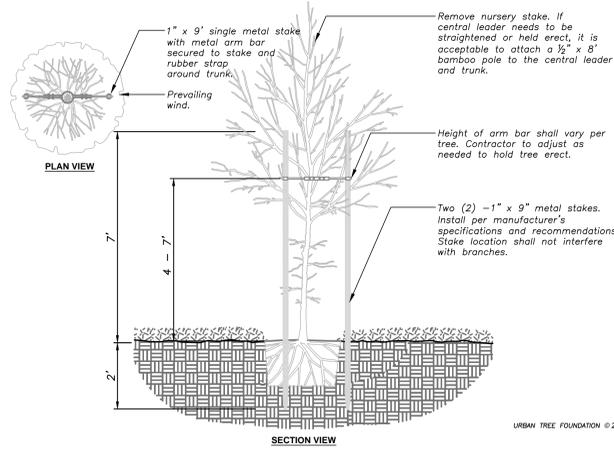


801 TREE PLANTING DETAIL
Not to Scale

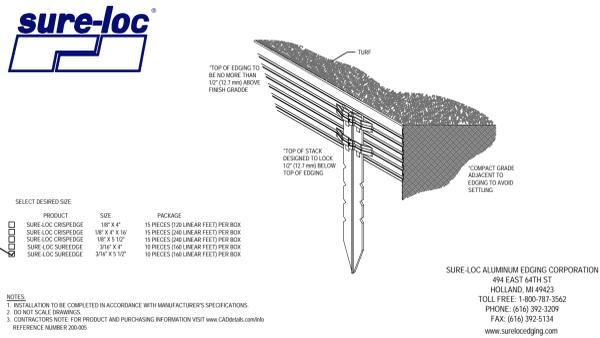


Notes:
 1- See planting legend for groundcover species, size, and spacing dimension.
 2- Small roots (1/2" or less) that grow around, up, or down the root ball periphery are considered a normal condition in container production and are acceptable however they should be eliminated at the time of planting. Roots on the periphery can be removed at the time of planting. (See root ball shaving container detail).
 3- Settle soil around root ball of each groundcover prior to mulching.

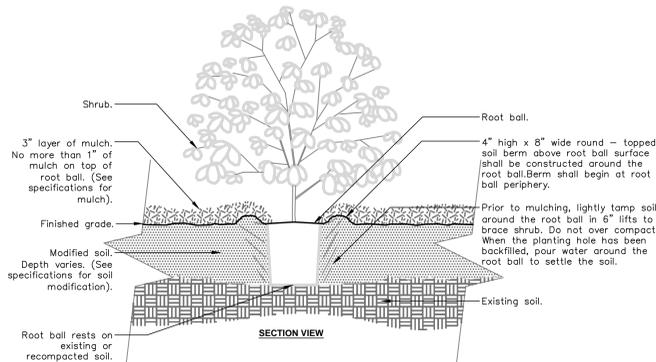
804 GROUND COVER SPACING DETAIL
Not to Scale



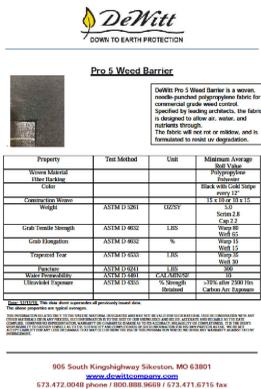
802 TREE STAKING DETAIL
Not to Scale



805 ALUMINUM LANDSCAPE EDGING DETAIL
Not to Scale



803 SHRUB PLANTING DETAIL
Not to Scale



806 WEED BARRIER DETAIL
Not to Scale

PLANTING NOTES

- Location of all existing utilities needs to be done before commencing work.
- The planting plan graphically illustrates overall plant massings. Each plant species massing shall be placed in the field to utilize the greatest coverage of ground plane. The following applies for individual plantings:
 - Creeping groundcover shall be a minimum of 6" from paving edge.
 - All trees shall be a minimum of 3 ft. from paving edge.
 - All plants of the same species shall be equally spaced apart and placed for best aesthetic viewing.
 - All shrubs shall be a minimum of 2 ft. from paved edge.
- Mulch all planting bed areas to a minimum depth of 3". Mulch individual trees to a minimum depth of 2".
- Note: If plants are not labeled- they are existing and shall remain.
- All landscaped areas in right of way shall be sodded and irrigated unless otherwise specified.

MATERIALS:

- Plant material shall be healthy, vigorous, and free of disease and insects as per AAN standards.
- Kind, size and quality of plant material shall conform to American Standard for nursery stock, ANSI-260-2004, or most recent edition.
- Shredded bark mulch installed at trees shall be finely chipped and shredded hardwood chips, consisting of pure wood products and free of all other foreign substances. Pine bark compost mulch installed at planting bed areas shall be free of all other foreign substances.

INSTALLATION:

- All compacted soil within the area to be landscaped shall be removed to a depth of not less than two (2) feet and shall be backfilled with topsoil.
- Prepare planting beds by incorporating an approved composed organic soil into existing soil for all shrub, perennial, and annual planting beds at a minimum depth of 6". Thoroughly mix organic material into the existing soil by roto-tilling or other approved method to a minimum depth of 12".
- Planting of trees, shrubs, and seeded groundcover shall be commenced during either the spring (March 15 - June 15) or fall (September 1 - October 15) planting season and with water available for hand irrigation purposes.
- Apply liquid, root stimulator, to all shrubs and groundcovers at rates recommended by manufacturer during first planting watering following installation.
- All planting beds will be prepared with polypropylene landscape fabric, that meets or exceeds the DeWitt Pro5 specification, before plant material is installed. Any product substitution to be submitted by contractor to project manager for approval prior to installation. Rock mulch to be placed over polypropylene landscape fabric at a depth of 2" - 4".
- Landscape fabric should be installed flat with all folds either pinned down with 4" landscape pins, overlap adjoining sheets a minimum of 2 - 4" steel landscape staples to be used to pin down the corners before mulch is installed.
- After plants have been installed, all planting beds shall be treated with dacthal pre-emergent herbicide prior to mulch application.
- Plant pit backfill for trees and shrubs shall be 20% peat or well composted manure and 80% topsoil.
- Trees planted in landscaped planting areas shall be situated a minimum of three (3) feet from any curb.
- Plant material shall be maintained and guaranteed for a period of one year after owner's acceptance of finished job. All dead or damaged plant material shall be replaced at landscape contractor's expense.
- Landscape contractor shall maintain all plant material until final acceptance, at which point the one year guarantee begins.
- All landscape beds shall be level with surrounding hardscape.

SOD NOTES

- All disturbed areas shall be sodded with turf-type tall fescue sod with a minimum of three cultivars.
- All landscaped areas shall receive a minimum 6-inch depth of topsoil compacted to 85% density at optimum moisture content.
- The entire surface to be landscaped should be reasonable smooth and free from stones, roots or other debris.
- Sod shall be machine stripped at a uniform soil thickness of approximately one inch (plus or minus 1/4-inch). The measurement for thickness shall exclude top growth and thatch, and shall be determined at the time of cutting in the field. Precautions shall be taken to prevent drying and heating sod damaged by heat and dry conditions, and sod cut more than 18 hours before being incorporated into the work shall not be used.
- Handling of sod shall be done in a manner that will prevent tearing, breaking, drying and other damage. Protect exposed roots from dehydration. Do not deliver more sod than can be laid within 24 hours.
- Moisten prepared surface immediately prior to laying sod, water thoroughly and allow surface to dry before installing sod, fertilize, harrow or rake fertilizer in the top 1-1/2-inches of topsoil, at a uniform rate.
- Fertilizer shall be 20-10-5 commercial fertilizer of the grade, type, and form specified and shall comply with the rules of the state dept. of agriculture. Fertilizer shall be identified according to the percent N-P-K in that order.
- Saturate sod with fine water spray within two hours of planting. During the first week after planting, water daily or more frequently as necessary to maintain moist soil to a minimum depth of four inches.



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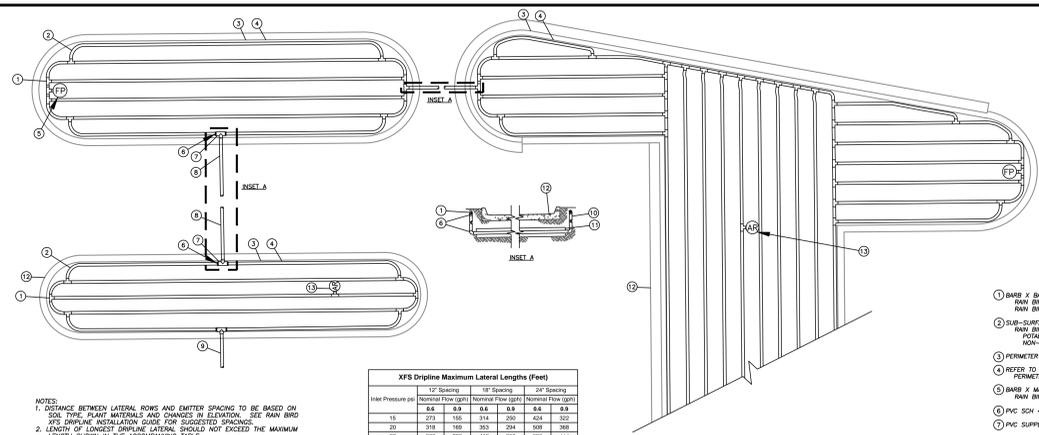
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 Number Date Description

L2.0

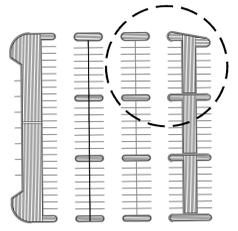
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 PLANTING DETAILS



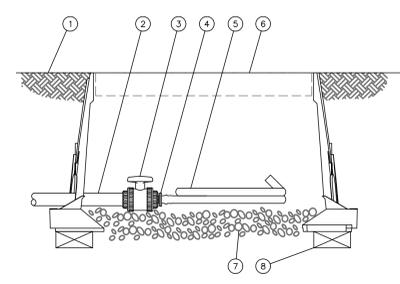
XFS Dripline Maximum Lateral Lengths (Feet)

Inlet Pressure (psi)	1/2" Spacing		18" Spacing		30" Spacing	
	Normal Flow (gph)					
15	88	89	186	187	426	427
20	115	116	254	255	585	586
25	150	151	333	334	771	772
30	190	191	426	427	981	982
40	255	256	570	571	1311	1312
50	330	331	750	751	1710	1711
60	410	411	950	951	2160	2161

- NOTES:**
1. DISTANCE BETWEEN LATERAL ROWS AND EMITTER SPACING TO BE BASED ON SOIL TYPE, PLANT MATERIALS AND CHANGES IN ELEVATION. SEE RAIN BIRD XFS DRIPLINE INSTALLATION GUIDE FOR SUGGESTED SPACING.
 2. LENGTH OF LONGEST DRIPLINE LATERAL SHOULD NOT EXCEED THE MAXIMUM LENGTH SHOWN IN THE ACCOMPANYING TABLE.
 3. AIR RELIEF VALVE TO BE INSTALLED AT ALL HIGH POINTS.
 4. DISTANCE FROM CURB TO ADJACENT DRIPLINE TO BE SPECIFIED BY DESIGN CONSULTANT (SEE DIMENSIONS AND SPECIFICATIONS).
 5. WHEN USING TIGHT TIGHT FITTINGS WITH DESIGN PRESSURE OVER 50PSI, IT IS RECOMMENDED THAT STAINLESS STEEL CLAMPS BE INSTALLED ON EACH FITTING.



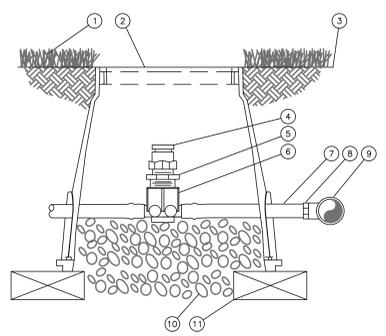
1. BARB X BARB INSERT TEE OR CROSS: RAIN BIRD XFF-TEE OR RAIN BIRD XFF-CROSS (TYPICAL)
2. SUB-SURFACE DRIPLINE PIPE: RAIN BIRD XF SERIES DRIPLINE: POTABLE: XFS DRIPLINE; NON-POTABLE: XFS DRIPLINE
3. PERIMETER OF AREA
4. REFER TO DIMENSIONS AND SPECIFICATIONS FOR PERIMETER DRIPLINE PIPE DISTANCE TO EDGE.
5. BARB X MALE FITTING: RAIN BIRD XFF-MA FITTING (TYPICAL)
6. PVC SUPPLY MANIFOLD
7. FLUSH POINT (TYPICAL): SEE RAIN BIRD DETAIL "XFS FLUSH POINT"
8. PVC SUPPLY PIPE FROM RAIN BIRD CONTROL ZONE: FIT COUED TO MEET LATERAL FLOW DIRECTION
9. PVC SCH 40 RISER PIPE
10. PVC SCH 40 SLEEVE PIPE SIZED TWICE SIZE OF MANIFOLD PIPE SIZE
11. PAVEMENT AND CURB
12. AIR RELIEF VALVE: RAIN BIRD MODEL AIRV050: SEE RAIN BIRD XFS DETAILS FOR AIR RELIEF INSTALLATION



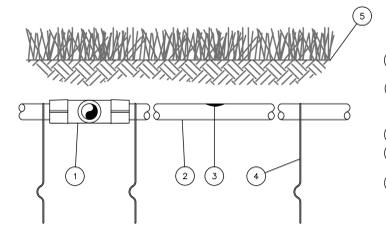
1. FINISH GRADE
2. PVC DRIP MANIFOLD PIPE
3. PVC 1" X 3/4" TRUE UNION BALL VALVE
4. EASY FIT MALE X BARB ADAPTER: RAIN BIRD XFF-MA-075
5. SUB-SURFACE DRIPLINE: RAIN BIRD XF SERIES BLANK TUBING
6. 12-INCH VALVE BOX WITH COVER: RAIN BIRD VB-STD
7. 3-INCH MINIMUM DEPTH OF 3/4" WASHED GRAVEL
8. BRICK (1 OF 2)

907 TYPICAL ISLAND DRIPLINE LAYOUT DETAIL
Not to Scale

908 DRIPLINE FLUSH POINT W/BALL VALVE DETAIL
Not to Scale



1. TURF GRASS
2. SUBTERRANEAN EMITTER BOX: RAIN BIRD SEB 7XB
3. FINISH GRADE
4. 1/2" AIR RELIEF VALVE: RAIN BIRD AIRV050 TO BE INSTALLED AT HIGH POINTS IN DRIP ZONE
5. 1/2" X 3/4" PVC REDUCER BUSHING
6. BARB X FEMALE THREAD CONNECTOR: RAIN BIRD XFF-TFA FITTING
7. 1/2" BLANK DRIPLINE TUBING: RAIN BIRD XF SERIES
8. BARB X MALE THREAD CONNECTOR: RAIN BIRD XFF-MA FITTING
9. PVC TEE CONNECTED TO PVC HEADER PIPE
10. 3" MINIMUM DEPTH OF 3/4" WASHED GRAVEL
11. BRICK (1 OF 2)



1. EASY FIT COMPRESSION TEE: RAIN BIRD MDCFTTEE
2. SUB-SURFACE DRIPLINE: RAIN BIRD XF SERIES DRIPLINE: POTABLE: XFS DRIPLINE; NON-POTABLE: XFS DRIPLINE
3. INLINE DRIP EMITTER
4. TIE DOWN STAKE: RAIN BIRD TDS-050 WITH BEND (TYPICAL)
5. TURF/FINISH GRADE OR SHRUB BED WITH MULCH

- NOTES:**
1. PLACE TIE DOWN STAKES EVERY THREE FEET IN SAND, FOUR FEET IN LOAM, AND FIVE FEET IN CLAY.
 2. AT FITTINGS WHERE THERE IS A CHANGE OF DIRECTION SUCH AS TEES OR ELBOWS, USE TIE-DOWN STAKES ON EACH LEG OF THE CHANGE OF DIRECTION.
 3. INSERTION FLOW AND TRENCHED INSTALLATIONS DO NOT REQUIRE THE DOWN STAKES.

908 DRIPLINE AIR RELIEF VALVE DETAIL
Not to Scale

909 XFS SUB-SURFACE DRIPLINE BURIAL DETAIL
Not to Scale



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Date: 01/13/23
Job Number: 3-22030
Drawn By: AM
Checked By: CW

Revision
Number Date Description

L2.2

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IRRIGATION DETAILS 2

Jan 10, 2023 - 9:03am - Plotted By: cengel.meyer V:\04660-NCA_L2MC_A55\04-DWG\DWG\Sheet\Irrigation\Irrigation_Details_2

EXTERIOR FINISH LEGEND				
MARK	MATERIAL	MANUFACTURER	COLOR/PATTERN	DIMENSION
ES-1	EIFS SYSTEM	AS SPECIFIED	TBD	2" & 3"
FB-1	TAN BRICK	GLEN GERY	PEARL RIVER IRONSPOT	2 1/4" x 7 5/8" x 3 5/8"
FB-2	DARK BRICK	ENDICOTT	MANGANESE IRONSPOT, SMOOTH	2 1/4" x 7 5/8" x 3 5/8"
MP-1	METAL PANEL	FIRSTSTONE	CITYSCAPE	VARIES
MP-2	METAL PANEL	KNOTWOOD	WALNUT	VARIES
MP-3	METAL PANEL	BERRIDGE	HR-16, GRAY ZINC	VARIES

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Date 02/08/23
 Job Number 3-22030
 Drawn By Author
 Checked By Checker

Revision		
Number	Date	Description
1	2/14/23	Addendum #1

