CONSTRUCTION PLANS FOR

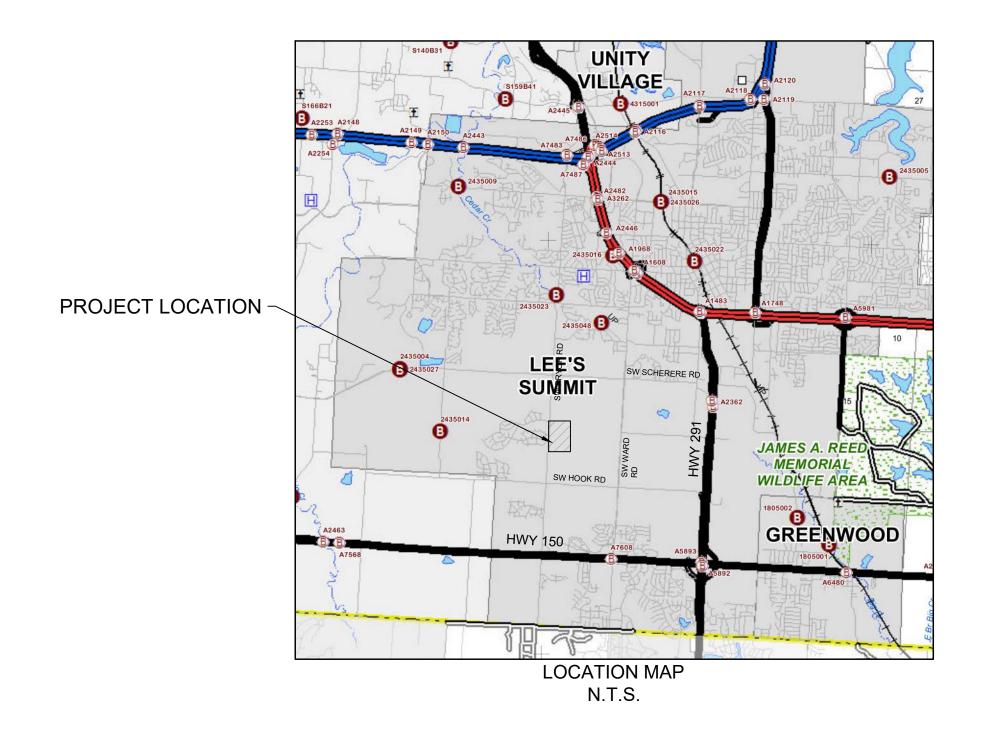
WHISPERING WOODS POOL

CITY OF LEE'S SUMMIT JACKSON COUNTY, MISSOURI

DESCRIPTION

PROPERTY DESCRIPTION
CONTAINING 105,623 SQUARE FEET OR 2.42 ACRES

TRACT C OF WHISPERING WOODS, 1ST PLAT, LOTS 1-33



Sheet List Table						
Sheet Number	Sheet Title					
C1.0	TITLE SHEET					
C1.1	GENERAL NOTES					
C2.0	OVERALL SITE PLAN					
C2.1	SITE PLAN					
C3.0	GRADING PLAN					
C3.1	SPOT ELEVATION PLAN					
C3.2	SIDEWALK RAMP PLAN					
C3.3	EROSION CONTROL PLAN					
C3.4	UTILITY PLAN					
C4.0	DETAILS					
C4.1	DETAILS					
L1.0	LANDSCAPE PLAN					

UTILITY SERVICE NUMBERS								
SPECTRUM	886-874-2389							
EVERGY	816-220-5213							
SPIRE GAS	816-399-9633							
LEE'S SUMMIT PUBLIC WORKS	816-969-1800							
CITY PLANNING & DEVELOPMENT	816-969-1600							
FIRE DEPARTMENT	816-969-1300							



	_	SCHERE	R ROAD
	PRYOR ROAD	NW 1/4	NE 1/4
PROJECT - LOCATION		SW 1/4	SE 1/4 AWARD ROAD
			ΓΥ MAP Γ.S.

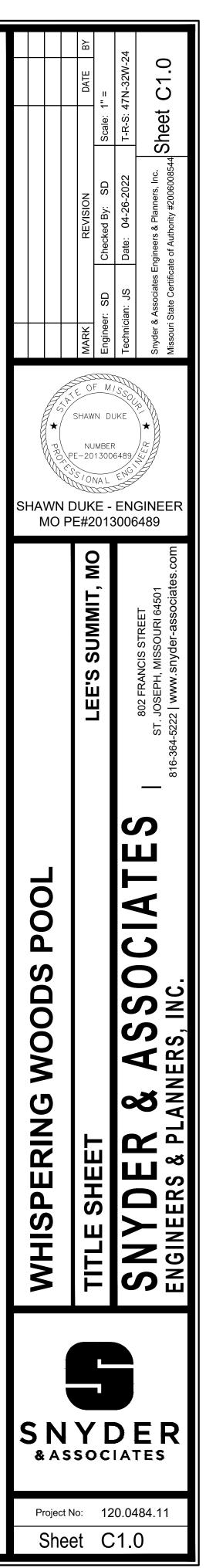
AP	PROVED:
,	

City Engineer

Date

DEVELOPER:

WHISPERING WOODS LAND, L.L.C. 803 P.C.A. ROAD WARRENSBURG, MO 64093 AGENT: RICK FRYE PHONE: 816.564.2230 FAX: 660.429.1801



LEE'S SUMMIT NOTES:

- 1. CONTRACTOR SHALL REFER TO THE CURRENT VERSION OF THE CITY OF LEE'S SUMMIT DESIGN AND CONSTRUCTION (D&C) MANUAL.
- 2. ALL WORKMANSHIP AND MATERIALS SHALL BE SUBJECT TO THE INSPECTION AND APPROVAL OF THE ENGINEERING DEPARTMENT OF LEE'S SUMMIT, MISSOURI.
- 3. LINEAL FOOT MEASUREMENTS SHOWN ON THESE PLANS ARE HORIZONTAL MEASUREMENTS, NOT SLOPE MEASUREMENTS. ALL PAYMENTS SHALL BE MADE ON HORIZONTAL MEASUREMENTS.
- 4. NO GEOLOGICAL INVESTIGATION WAS PERFORMED ON THIS PROJECT.
- 5. THE UTILITY LOCATIONS SHOWN ON THESE PLANS ARE TAKEN FROM UTILITY COMPANY RECORDS AND ARE APPROXIMATE ONLY. THEY DO NOT CONSTITUTE ACTUAL FIELD LOCATIONS. THE CONTRACTOR SHALL VERIFY THE LOCATION AND DEPTH OF ALL UTILITIES PRIOR TO CONSTRUCTION.
- 6. CLEARING AND GRUBBING OPERATIONS AND DISPOSAL OF ALL DEBRIS THEREFROM SHALL BE PERFORMED BY THE CONTRACTOR IN STRICT ACCORDANCE WITH ALL STATE AND LOCAL CODES AND ORDINANCES.
- ALL WASTE MATERIAL SHALL BE DISPOSED OF AT A LOCATION TO BE SELECTED BY THE OWNER OR HIS AUTHORIZED REPRESENTATIVE, SUCH LOCATION TO BE ON THE SITE.
- 8. THE CONTRACTOR SHALL CONTROL THE EROSION AND SILTATION DURING AL PHASES OF CONSTRUCTION, HE SHALL KEEP THE STREETS CLEAN OF MUD AND DEBRIS AND FOLLOW THE EROSION CONTROL PLAN PREPARED BY THE DESIGN ENGINEER.
- 9. ALL MANHOLES, CATCH BASINS, UTILITY VALVES AND METER PITS TO BE ADJUSTED OR REBUILT TO GRADE AS REQUIRED.
- 10. SUBGRADE SOIL FOR ALL CONCRETE STRUCTURES, REGARDLESS OF THE TYPE OR LOCATION, SHALL BE FIRM, DENSE AND THOROUGHLY COMPACTED AND CONSOLIDATED; SHALL BE FREE FROM MUCK AND MUD; AND SHALL BE SUFFICIENTLY STABLE TO REMAIN FIRM AND INTACT UNDER THE FEET OF THE WORKMAN OR MACHINERY ENGAGED IN SUBGRADE, LAYING REINFORCING STEEL, AND DEPOSITING CONCRETE THEREON. IN ALL CASES WHERE SUBSOIL IS MUCKY OR WORKS INTO MUD OR MUCK DURING SUCH OPERATION, A SEAL COURSE OF EITHER CONCRETE OR ROCK SHALL BE PLACED BELOW SUBGRADE TO PROVIDE A FIRM BASE FOR WORKING AND FOR PLACING THE FLOOR SLAB.
- 11. A MINIMUM HORIZONTAL DISTANCE OF TEN FEET (10') SHALL BE MAINTAINED BETWEEN PARALLEL WATER AND SANITARY SEWER LINES. AT ANY POINT WHERE SANITARY SEWER LINES CROSS WATER MAIN, THE SANITARY SEWER SHALL BE CONSTRUCTED OF CAST IRON PIPE OR PIPE ENCASED IN CONCRETE FOR A DISTANCE OF TEN FEET (10') IN EACH DIRECTION FROM THE CROSSING UNLESS THE WATER IS A MINIMUM OF EIGHTEEN INCHES (18") ABOVE THE TOP OF THE SANITARY SEWER LINE.
- 12. CONTRACTOR SHALL PROVIDE TESTING AND INSPECTION PER SECTION 3500 -SANITARY SEWERS CITY OF LEE'S SUMMIT, MISSOURI STANDARD SPECIFICATIONS.
- 13. DEVELOPMENT PLANS ARE APPROVED INITIALLY FOR ONE (1) YEAR, AFTER WHICH THEY AUTOMATICALLY BECOME VOID AND MUST BE UPDATED AND APPROVED BY THE CITY ENGINEER BEFORE ANY CONSTRUCTION WILL BE PERMITTED.
- 14. ALL SANITARY SEWER STUBS SHALL BE SURVEYED AND STAKED ON SITE BEFORE THE CONSTRUCTION OF SANITARY SERVICE STUBS.
- 15. THE CITY OF LEE'S SUMMIT PLAN REVIEW IS ONLY FOR GENERAL CONFORMANCE WITH THE CITY OF LEE'S SUMMIT DESIGN CRITERIA AND THE CITY CODE. THE CITY IS NOT RESPONSIBLE FOR THE ACCURACY AND ADEQUACY OF THE DESIGN, OR DIMENSIONS AND ELEVATIONS WHICH SHALL BE CONFIRMED AND CORRELATED AT THE JOB SITE. THE CITY OF LEE'S SUMMIT THROUGH APPROVAL OF THIS DOCUMENT ASSUMES NO RESPONSIBILITY OTHER THAN AS STATED ABOVE FOR THE COMPLETENESS AND/OR ACCURACY OF THIS DOCUMENT.
- 16. THE CONTRACTOR SHALL HAVE ONE (1) SIGNED COPY OF THE PLANS (APPROVED BY THE CITY OF LEE'S SUMMIT) AND ONE (1) COPY OF THE APPROPRIATE CONSTRUCTION STANDARDS AND SPECIFICATIONS AT THE JOB SITE AT ALL TIMES.
- 17. CONSTRUCTION OF THE IMPROVEMENTS SHOWN OR IMPLIED BY THIS SET OF DRAWINGS SHALL NOT BE INITIATED OR ANY PART THEREOF UNDERTAKEN UNTIL THE CITY ENGINEER IS NOTIFIED OF SUCH INTENT AND ALL REQUIRED AND PROPERLY EXECUTED BONDS AND PERMIT FEES ARE RECEIVED AND APPROVED BY THE CITY ENGINEER.
- 18. ALL STUB LINES SHALL BE LAID ON 2.00% MINIMUM GRADE UNLESS APPROVED OTHERWISE.
- 19. CONTRACTOR SHALL NOT BE ALLOWED TO WORK ON SATURDAYS, SUNDAYS, OR HOLIDAYS WITHOUT PRIOR APPROVAL OF THE CITY ENGINEER.
- 20. RELOCATION OF ANY WATER LINE, SEWER LINE OR SERVICE LINE THEREOF REQUIRED FOR THE CONSTRUCTION OF THIS PROJECT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE AT HIS EXPENSE.
- 21. THE CONTRACTOR SHALL INSTALL AND PROPERLY MAINTAIN A MECHANICAL PLUG AT ALL CONNECTION POINTS WITH EXISTING LINES UNTIL SUCH TIME THAT THE NEW LINE IS TESTED AND APPROVED.
- 22. THE CONTRACTOR SHALL CONSTRUCT MANHOLES PLACING ECCENTRIC CONE SECTION IN SUCH A MANNER THAT MANHOLE COVERS ARE ADJACENT TO THE PROPOSED SIDEWALKS. IN LOCATIONS WHERE MANHOLES ARE NOT NEAR PROPOSED SIDEWALKS THE MANHOLE COVERS SHALL GENERALLY BE PLACED ON THE UPSTREAM SIDE OF THE MANHOLES WHENEVER POSSIBLE.
- 23. STUB LINES, LOCATIONS, AND MINIMUM BASEMENT FLOOR ELEVATIONS ARE LOCATED IN THE TABLE LABELED "TABLE OF SERVICE LOCATIONS."
- 24. CONSTRUCTION PERMITS WILL NOT BE ISSUED UNTIL THE CITY OF LEE'S SUMMIT RECEIVES A SEWER EXTENSION PERMIT FROM MDNR.

- 25. CONNECTIONS TO EXISTING MANHOLES SHALL BE CORE DRILLED AND CONNECTED WITH A WATERTIGHT FERNCO GASKET OR APPROVED EQUAL. THE GASKET IS TO BE INSTALLED ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS.
- 26. ALL AREAS WHERE UTILITIES ARE TO BE INSTALLED IN FILL SHALL BE COMPACTED TO 95% TO 18 INCHES ABOVE THE LINE THEN EXCAVATED FOR CONSTRUCTION OF THE LINE.
- 27. THE CONTRACTOR WILL BE RESPONSIBLE FOR TESTING OF MANHOLES AND PIPES TO THE CITY OF LEE'S SUMMIT DESIGN & CONSTRUCTION MANUAL REQUIREMENTS.
- 28. THE ENDS OF ALL SANITARY SEWER STUBS SHALL BE SURVEYED AND MARKED BEFORE CONSTRUCTION.
- 28. ALL UTILITY STREET CROSSINGS SHALL BE BACKFILLED WITH FLOWABLE FILL, OR AB-3. IF CONTRACTOR CHOOSES TO USE OTHER SUITABLE MATERIALS, EXTENSIVE SOIL TESTING REQUIREMENTS WILL BE REQUIRED.
- 30. TRENCH CHECKS SHALL BE USED FOR ALL SANITARY SEWER STUBS.

PROJECT NOTES:

- 1. THE CONTRACTOR SHALL CONTACT THE CITY'S DEVELOPMENT SERVICES ENGINEERING INSPECTORS 48 HOURS PRIOR TO ANY LAND DISTURBANCE WORK AT (816) 969-1200.
- 2. GRADING CONTRACTOR SHALL BE RESPONSIBLE FOR THE CONTROL OF EROSION AND SILTATION DURING ALL PHASES OF CONSTRUCTION.
- 3. PRIOR TO ORDERING PRECAST STRUCTURES: SHOP DRAWINGS SHALL BE SUBMITTED TO THE DESIGN ENGINEER FOR APPROVAL. UPON APPROVAL THESE SHALL BE SUBMITTED TO THE CITY OF LEE'S SUMMIT FOR REVIEW.
- 4. ALL WATER LINES, SANITARY SEWER LINES, AND STORM WATER DRAINAGE CROSSINGS SHALL BE IN PLACE OR A CASING PIPE PROVIDED FOR FUTURE INSTALLATION PRIOR TO BASE AND SURFACE ASPHALT COURSES.
- 5. SIDEWALKS ARE SHOWN FOR INFORMATIONAL PURPOSES ONLY UNLESS OTHERWISE NOTES. HOWEVER, THE CONTRACTOR SHALL BE RESPONSIBLE FOR HANDICAP RAMP CONSTRUCTION IN CURBS.
- 6. REFER TO GRADING AND EROSION CONTROL SHEETS IN STREET AND STORM PLANS.
- 7. SITE TOPOGRAPHY TAKEN FROM SURVEY COMPLETED BY R.L BUFORD & ASSOCIATES. CONTRACTOR TO VERIFY EXISTING CONDITIONS OF THE SITE THAT MAY NOT BE REPRESENTATIVE OF CONSTRUCTION PLANS.
- 8. PROTECT EXISTING TREES, SHRUBS, FENCE AND LANDSCAPING UNLESS SPECIFICALLY NOTED OTHERWISE ON PLANS. REPLACE ANY FENCE, TREES, SHRUBS, LANDSCAPING ITEMS, OR OTHER VEGETATION NOT SCHEDULED FOR REMOVAL THAT ARE DAMAGED DURING CONSTRUCTION OPERATIONS WITHOUT ADDITIONAL COMPENSATION.
- 9. NO OIL/GAS WELLS ARE PRESENT ON PROPERTY, PER MoDNR.

LAND USE SCHEDULE:

TOTAL LOT AREA = 2.43 AC

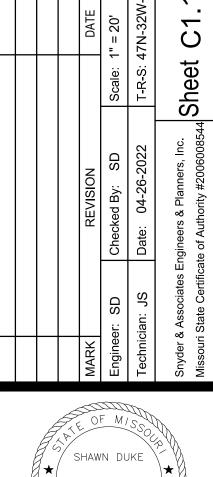
TOTAL DISTURBED AREA = 0.47 AC

TOTAL BUILDING AREA = 0.016 AC

REQUIRED PARKING SPACES = 9

PROPOSED PARKING SPACES = 11

IMPERVIOUS COVERAGE = .293 AC = 12.06% OF TOTAL AREA





SHAWN DUKE - ENGINEER MO PE#2013006489

LEE'S SUMMIT,

802 FRANCIS STREET
ST. JOSEPH, MISSOURI 64501
5222 | www.snyder-associate

ER & ASSOCIA & PLANNERS, INC.

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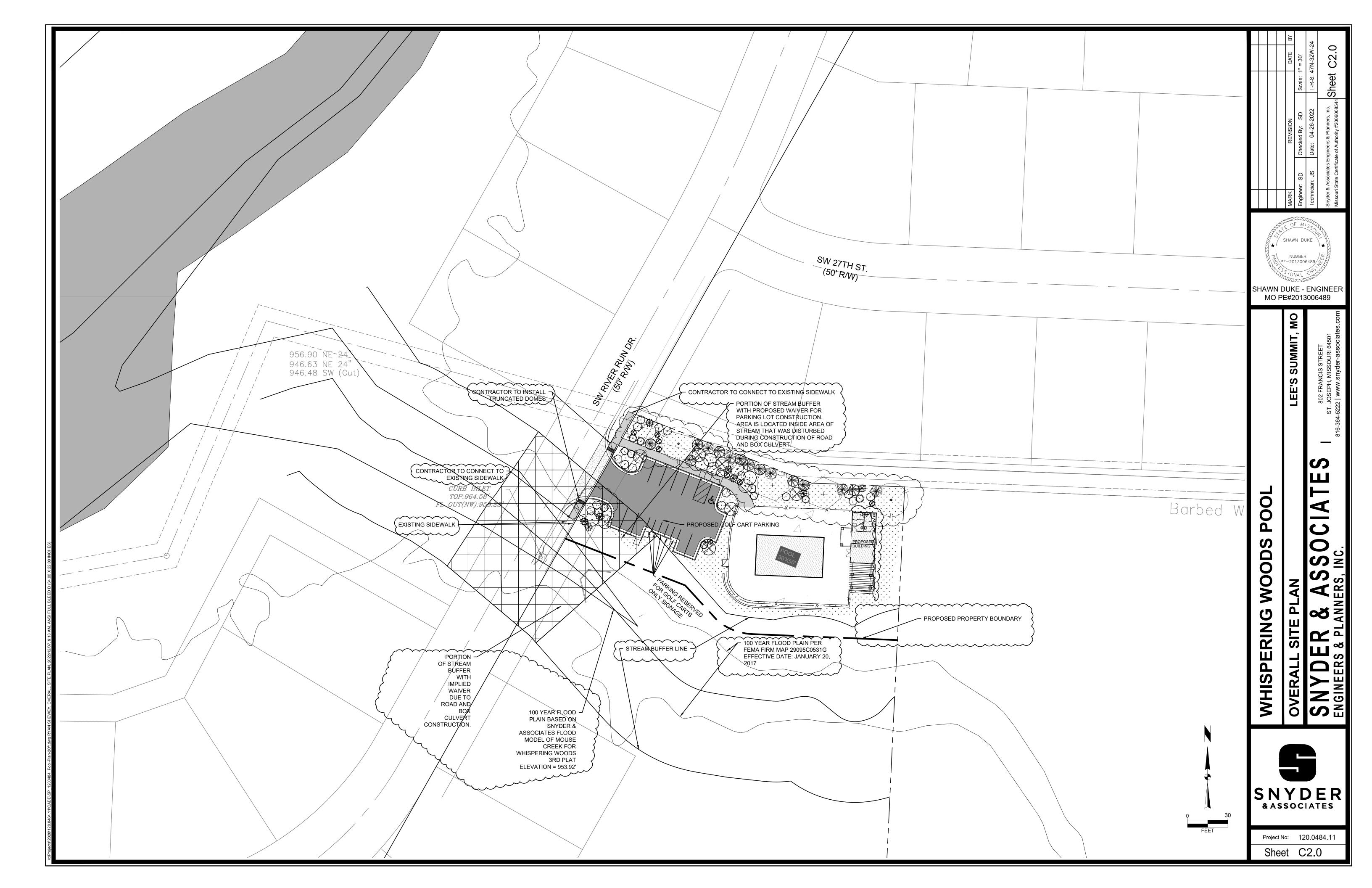
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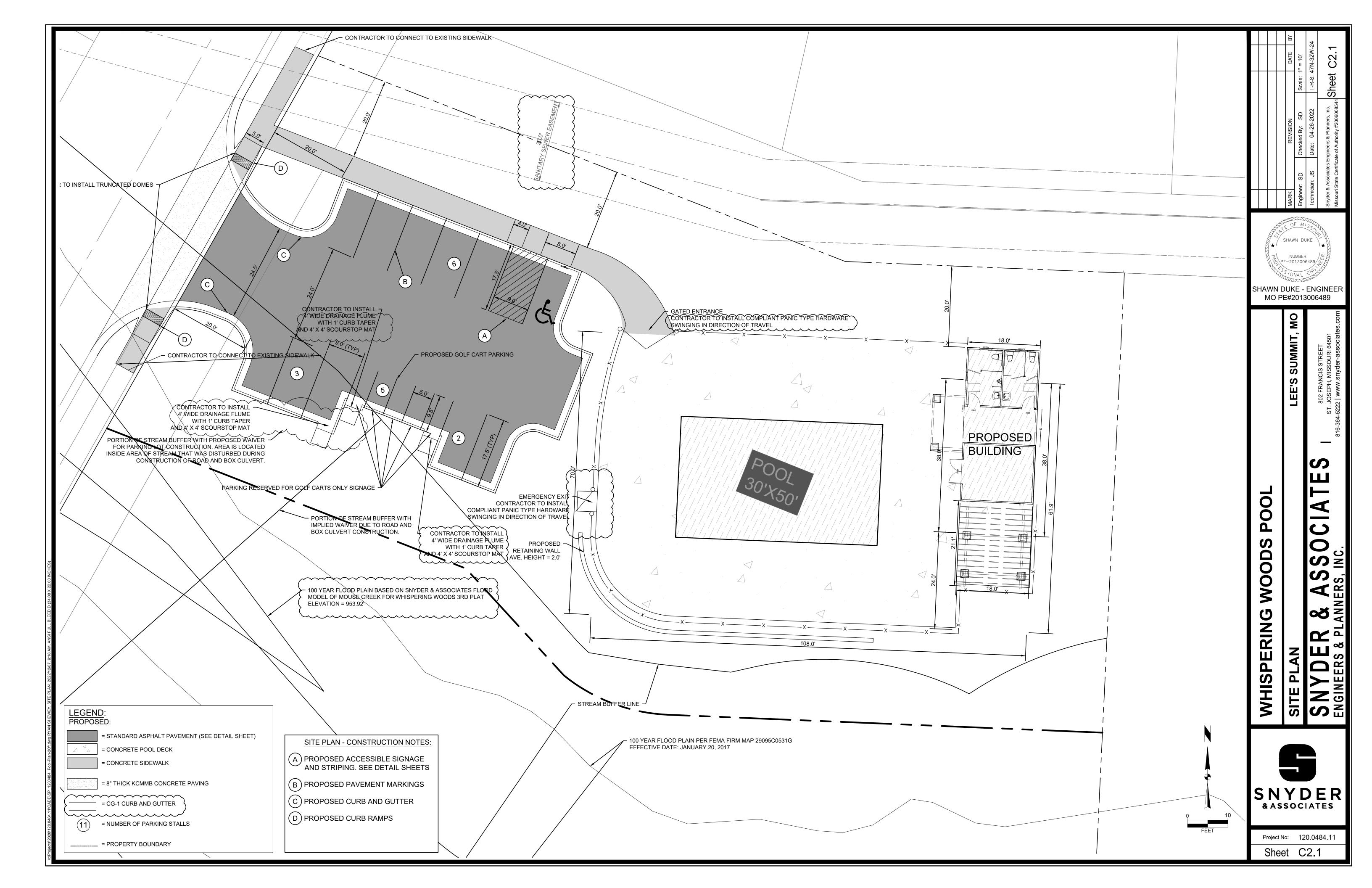
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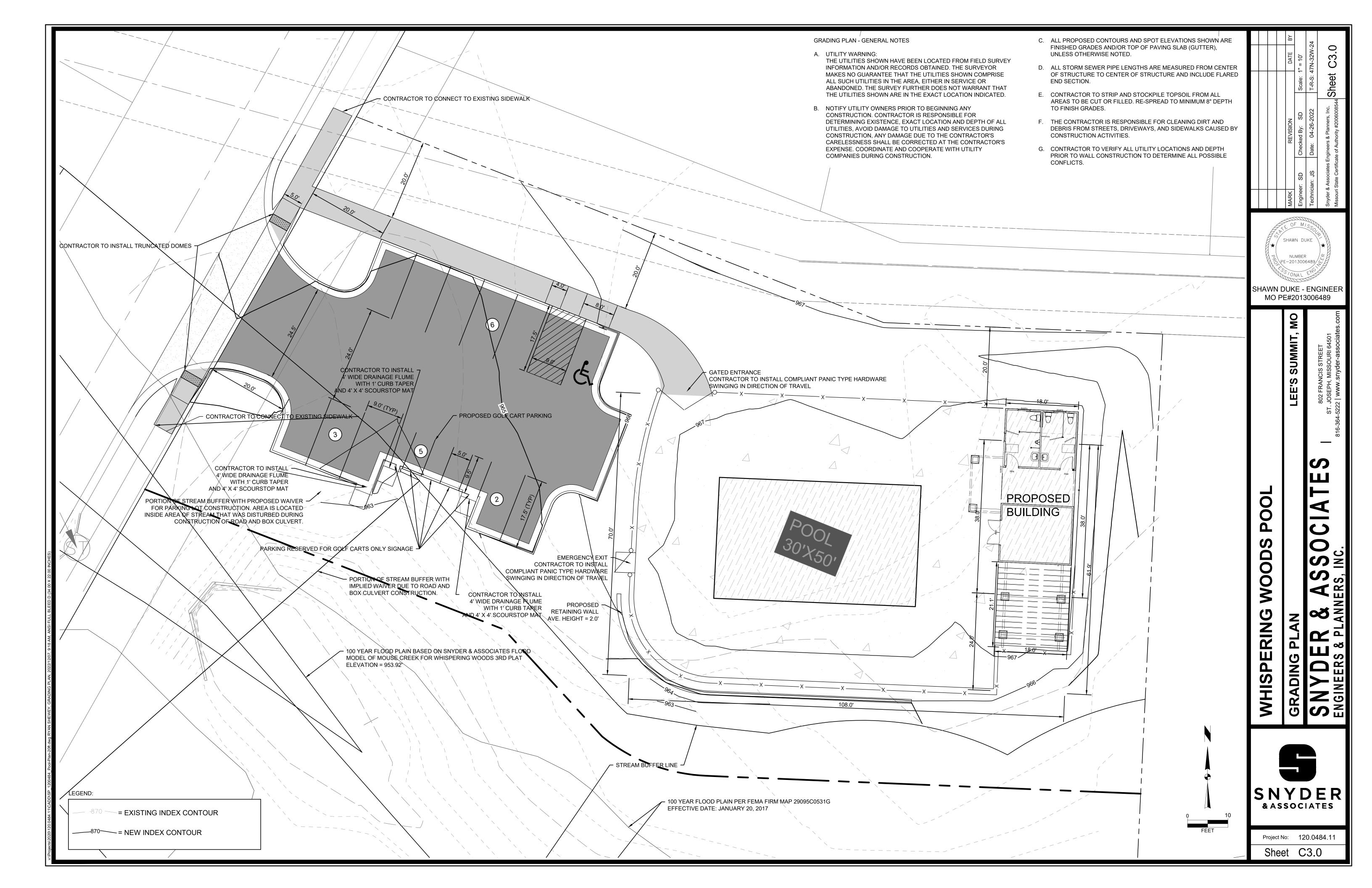
SNYDER & ASSOCIATES

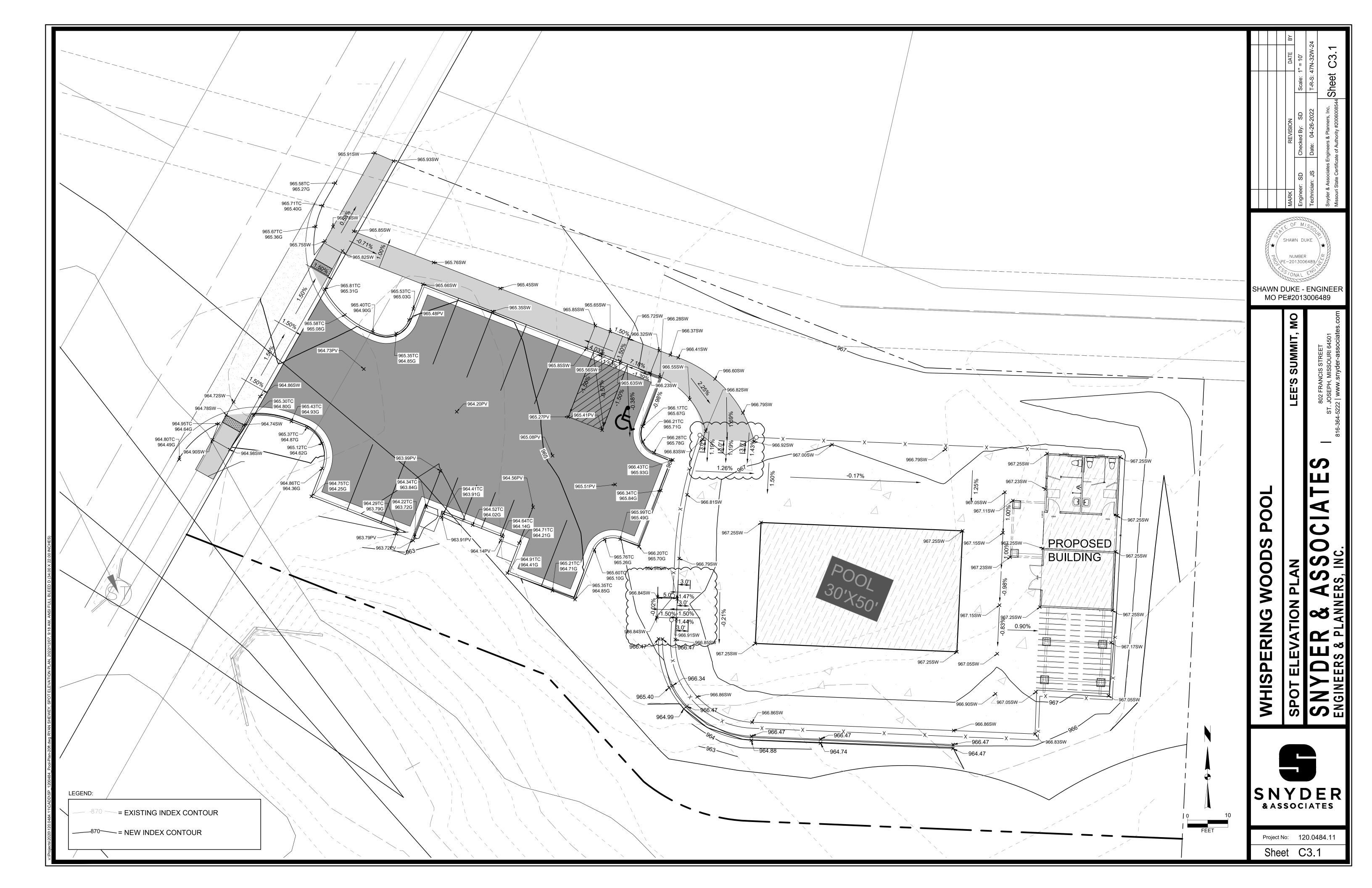
Project No: 120.0484.11

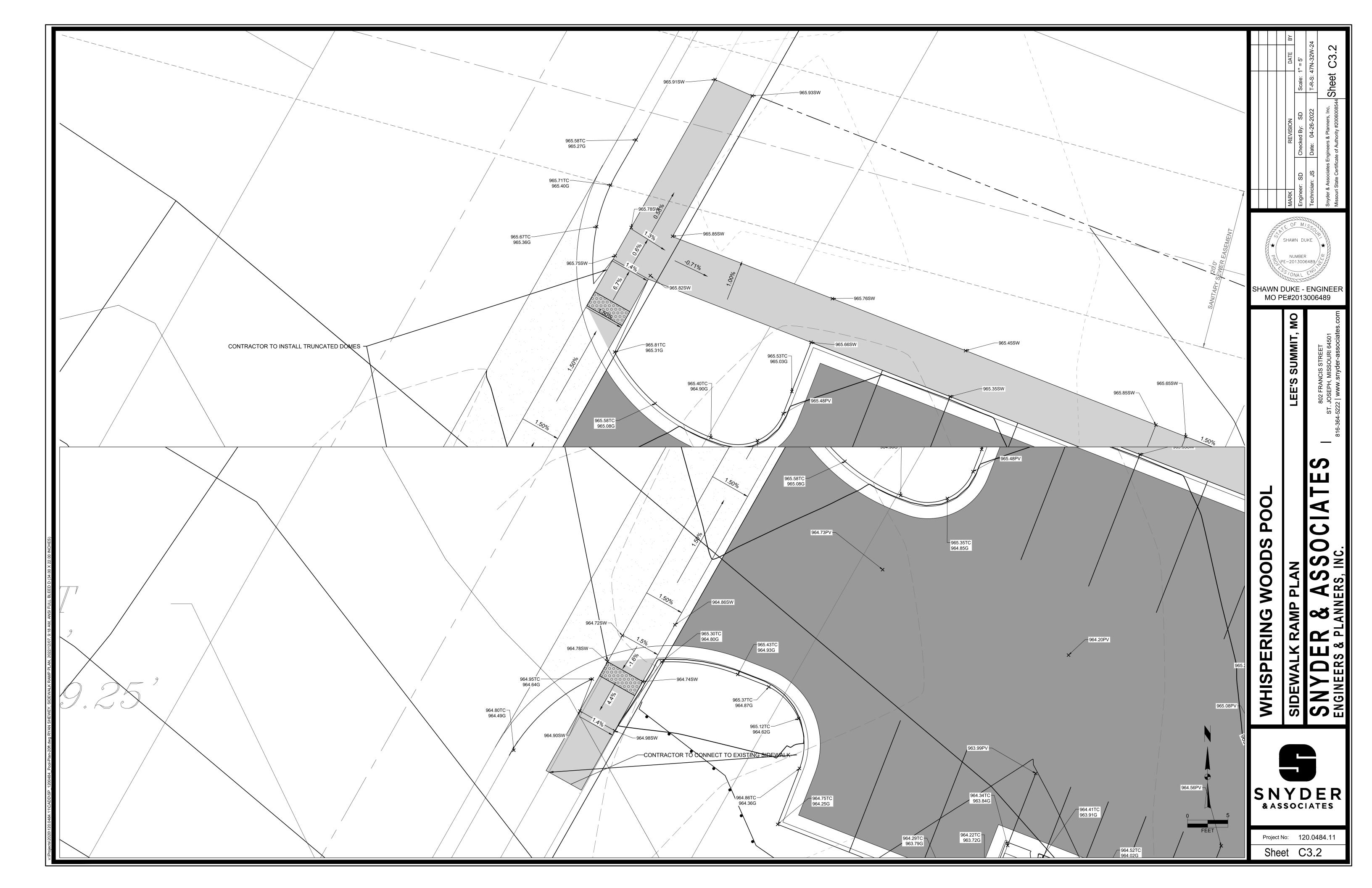
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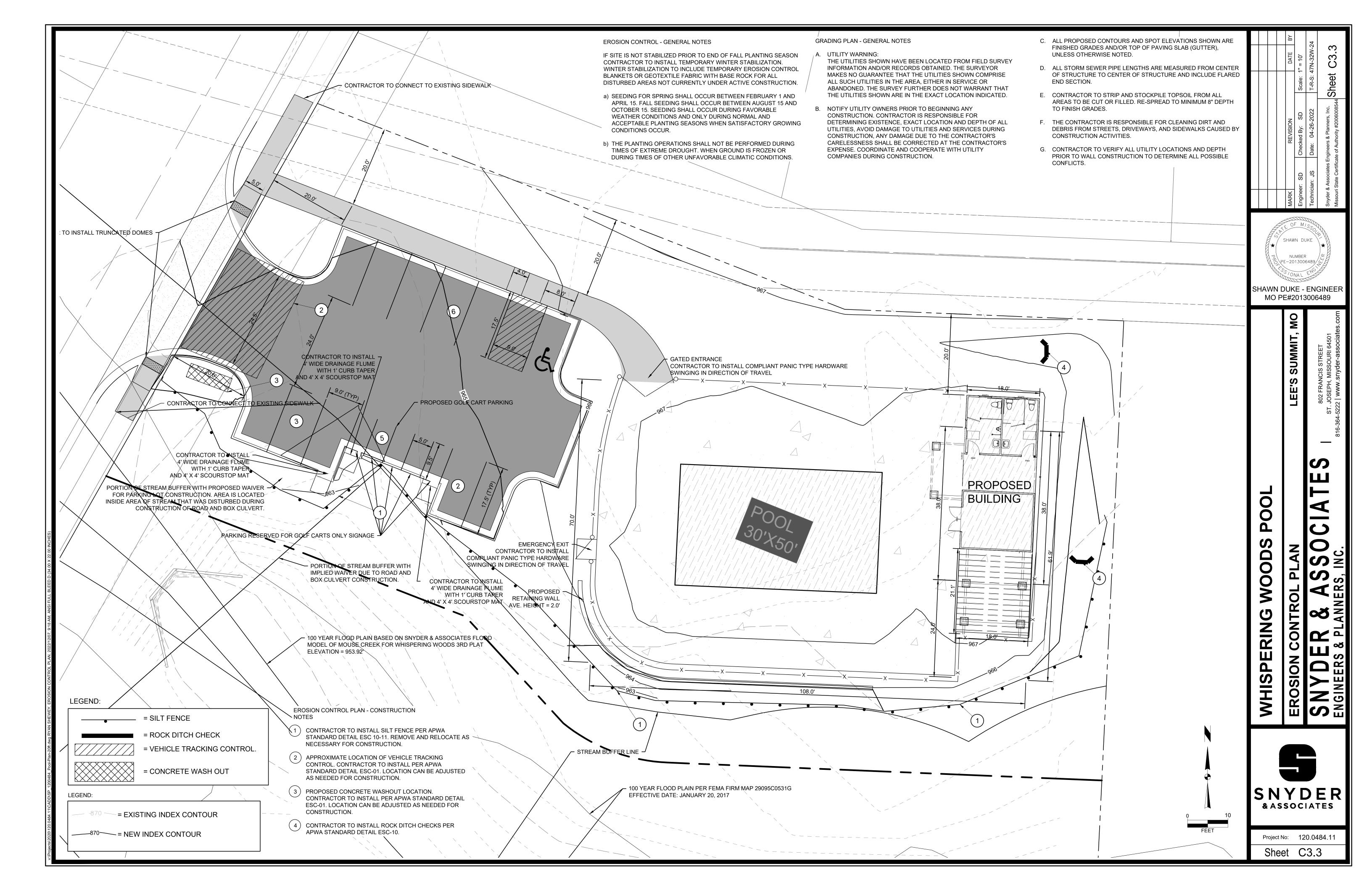


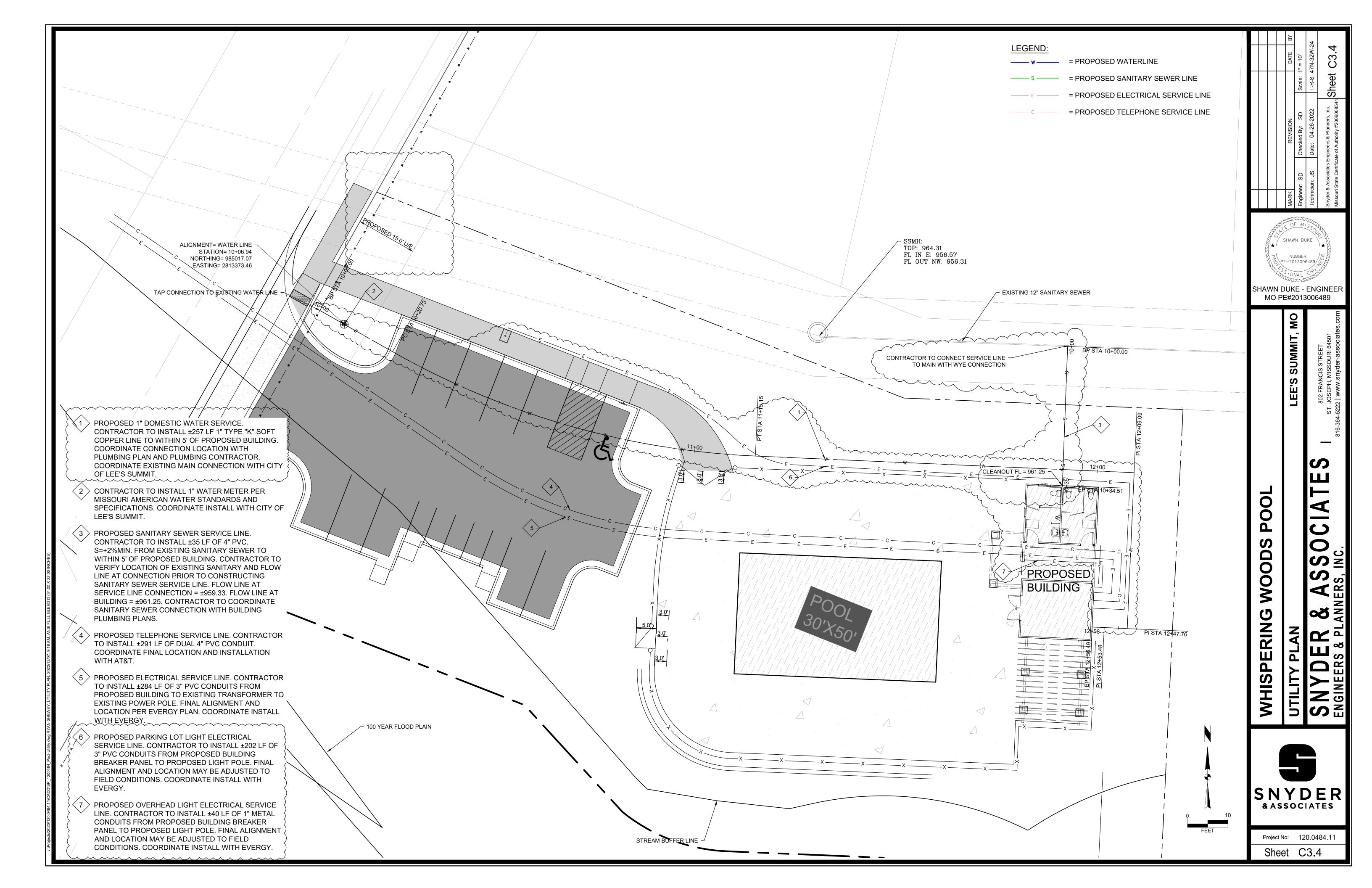


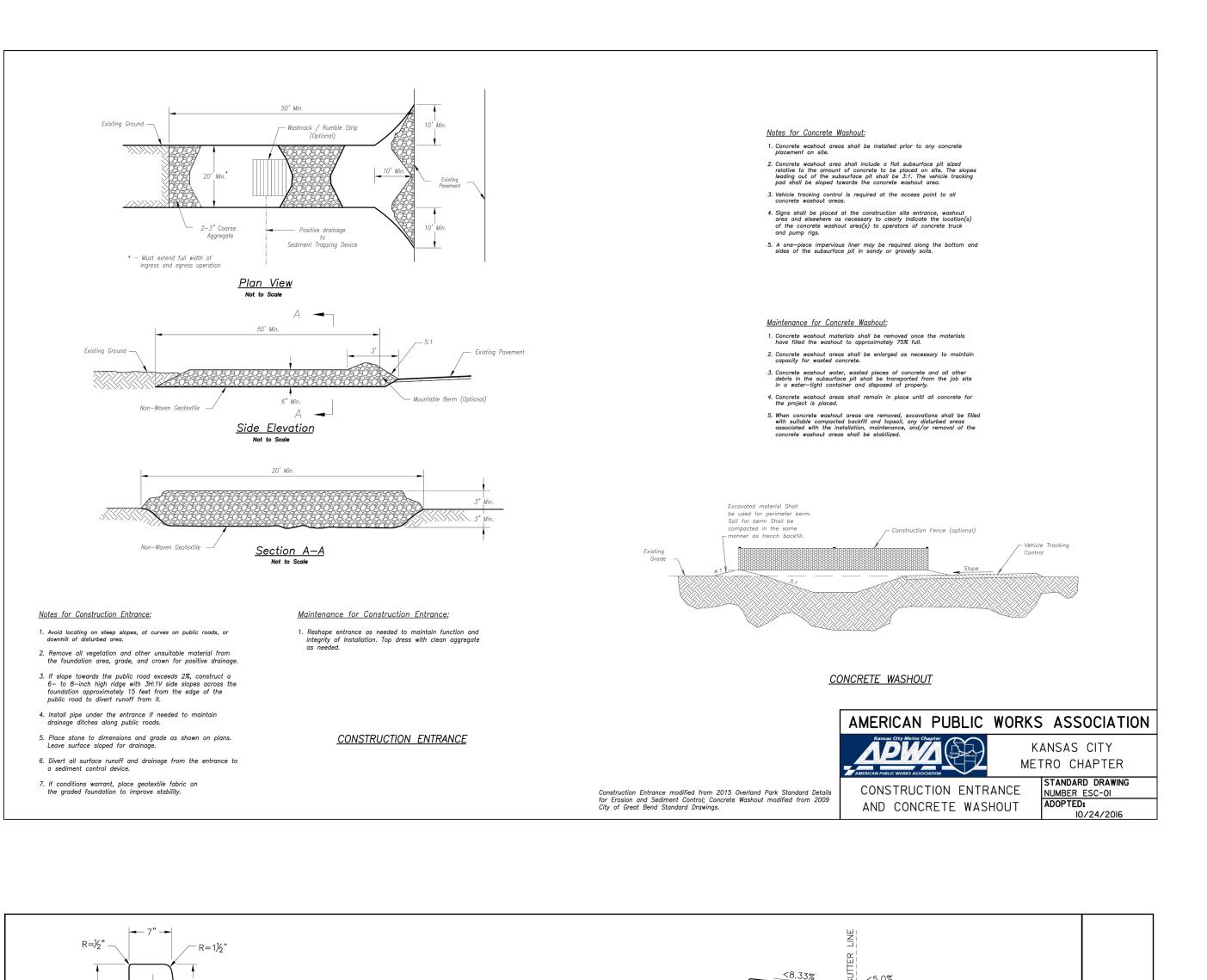


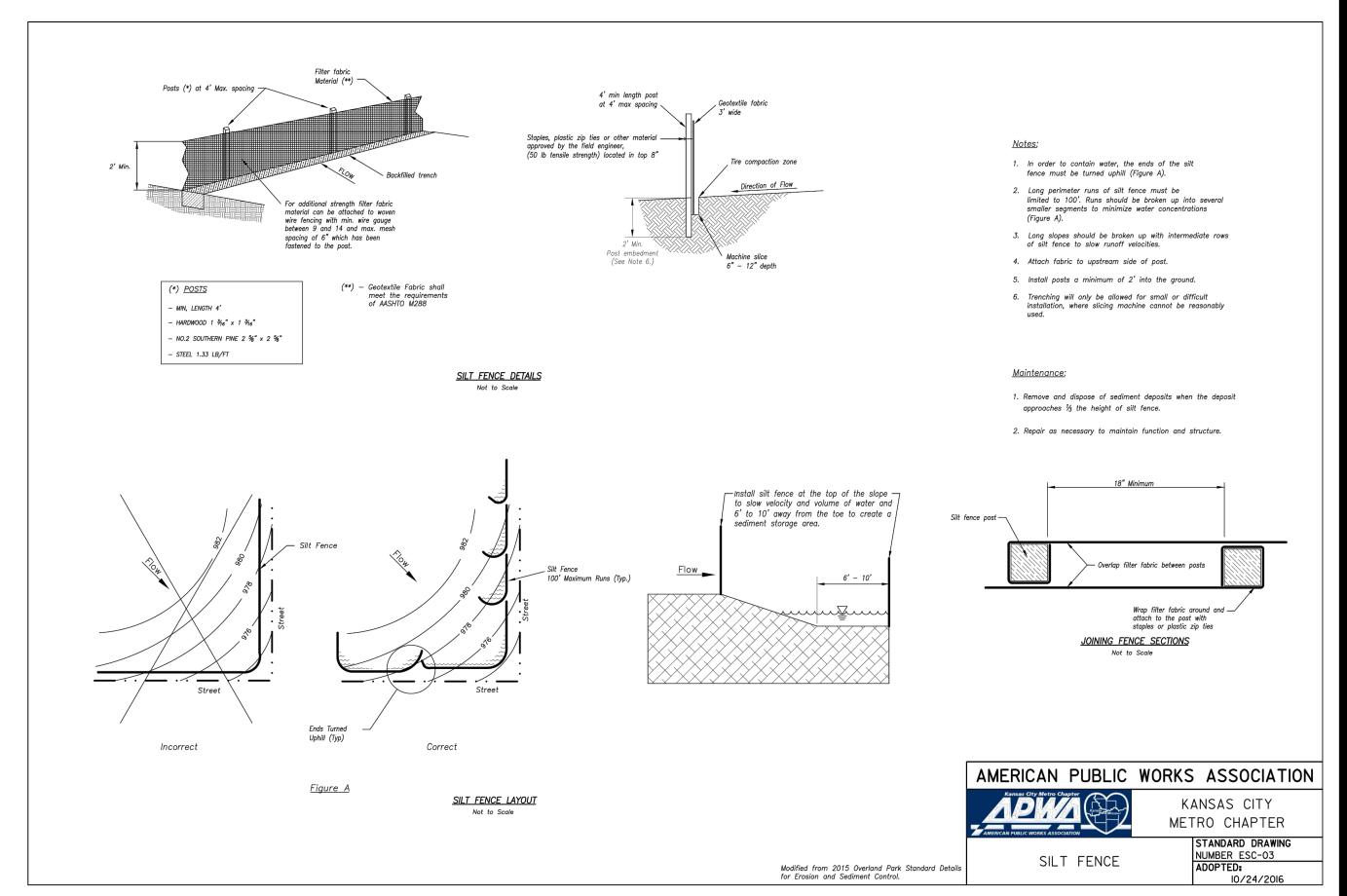


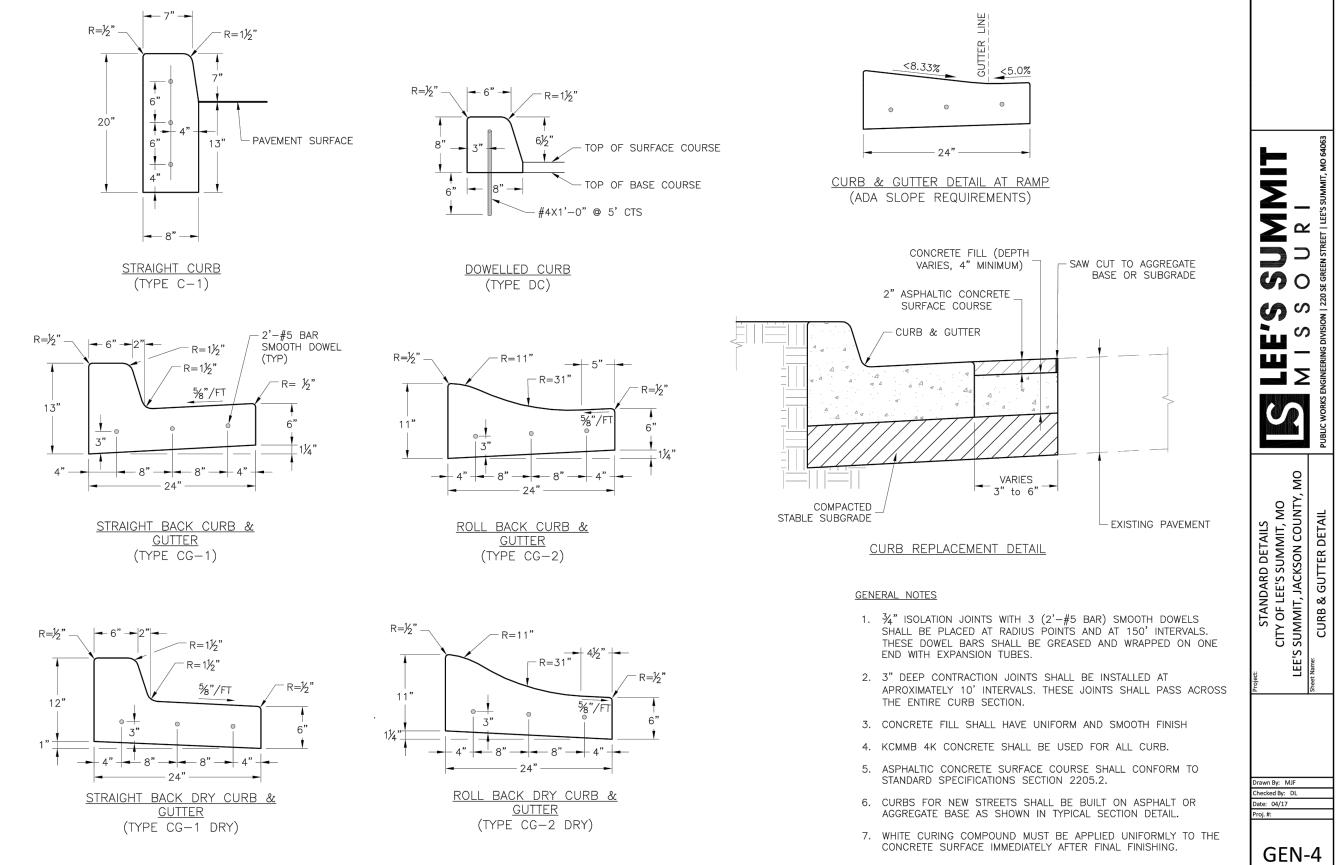


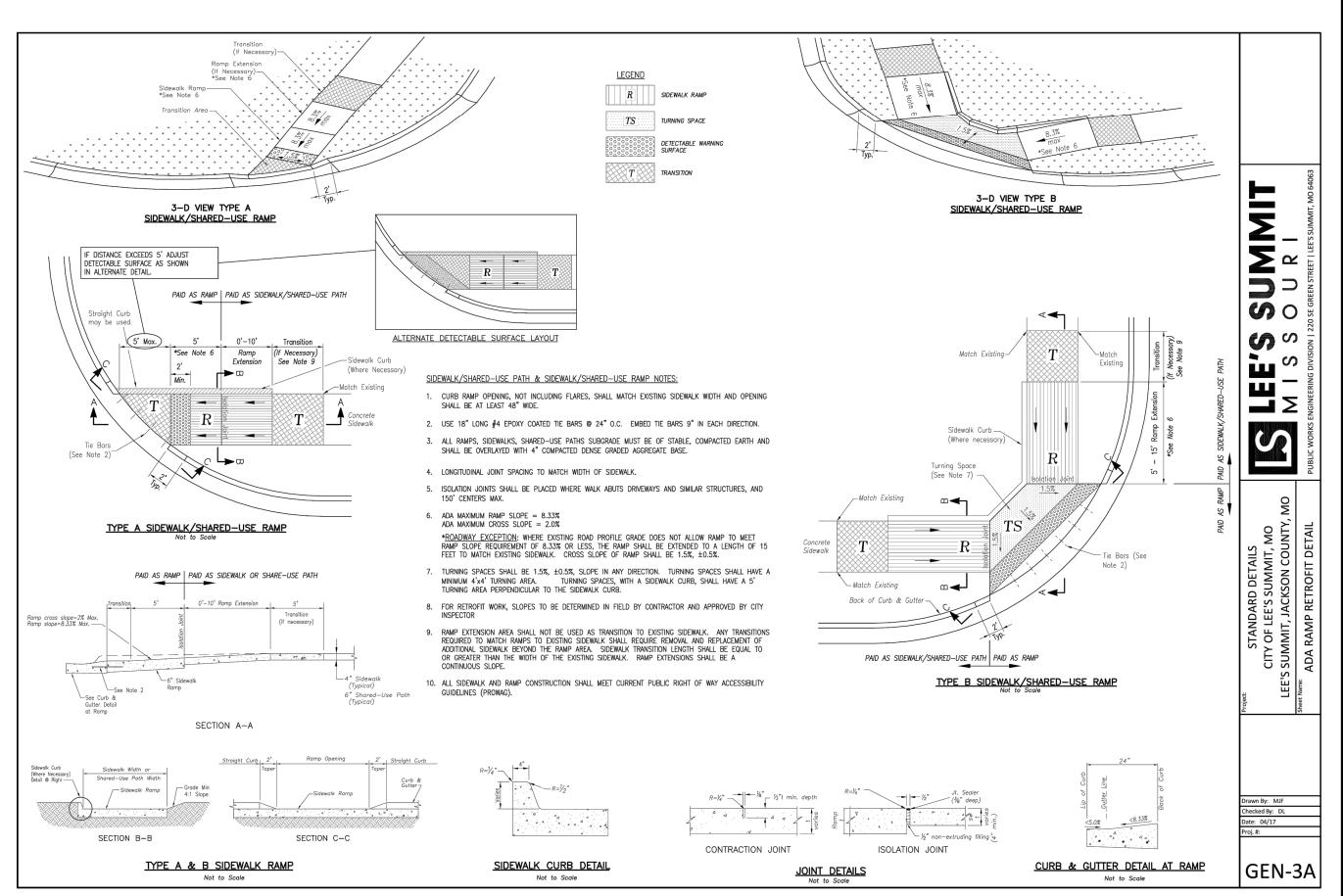


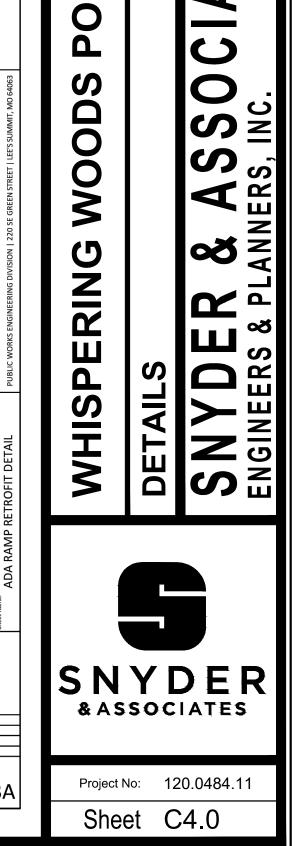










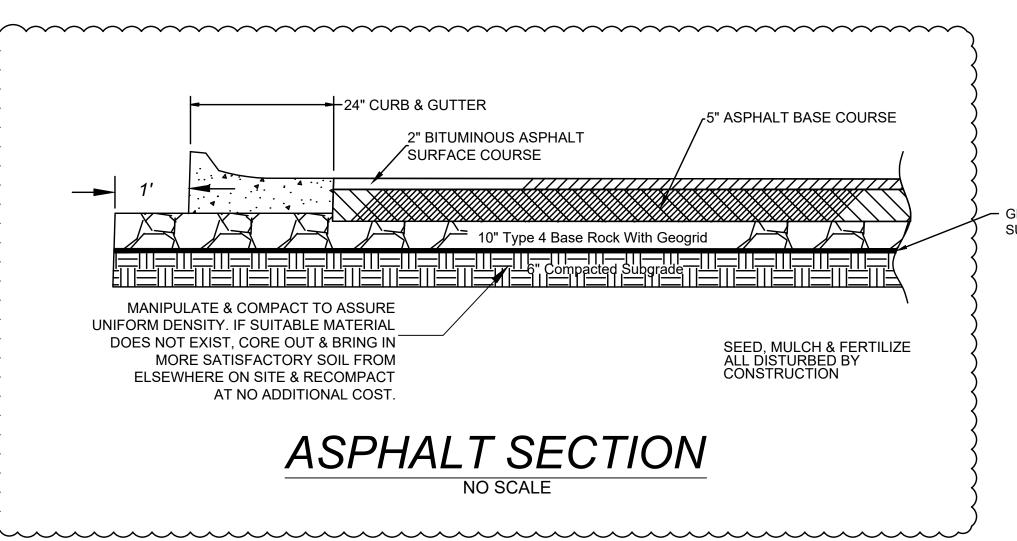


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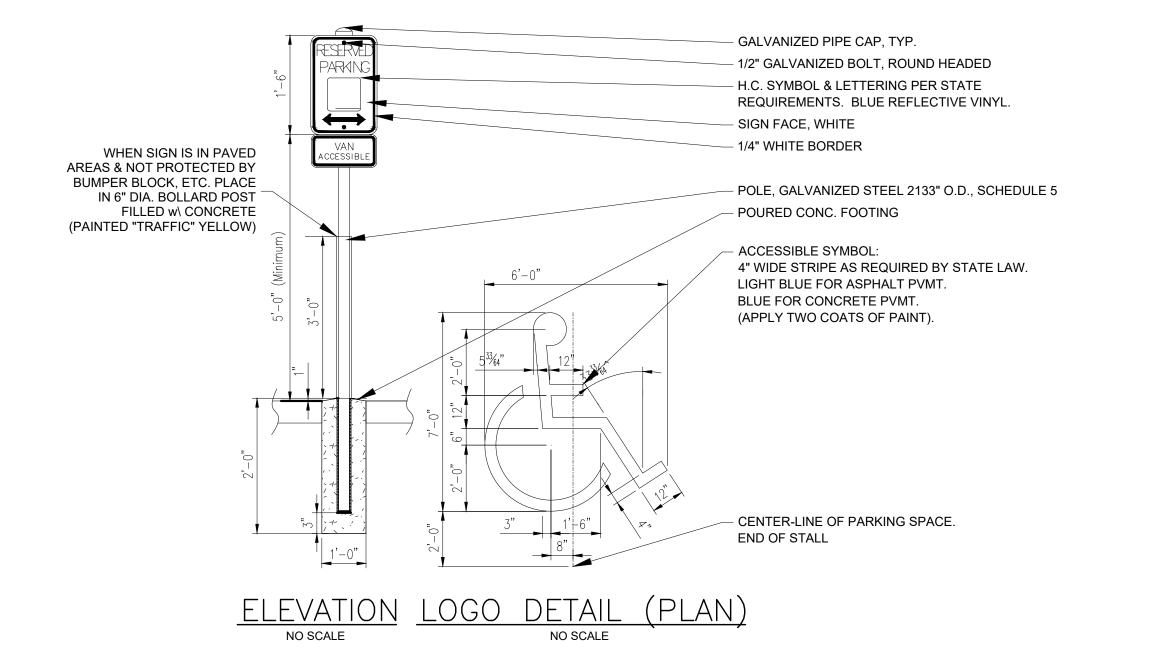
SHAWN DUKE - ENGINEER

MO PE#2013006489

SUMMIT

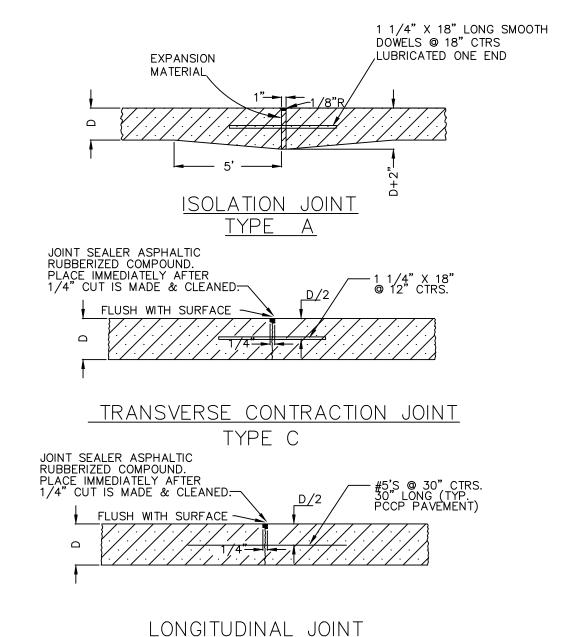


GEOGRID TO BE INSTALLED TO STABILIZE



ACCESSIBLE SIGN & SYMBOL DETAILS

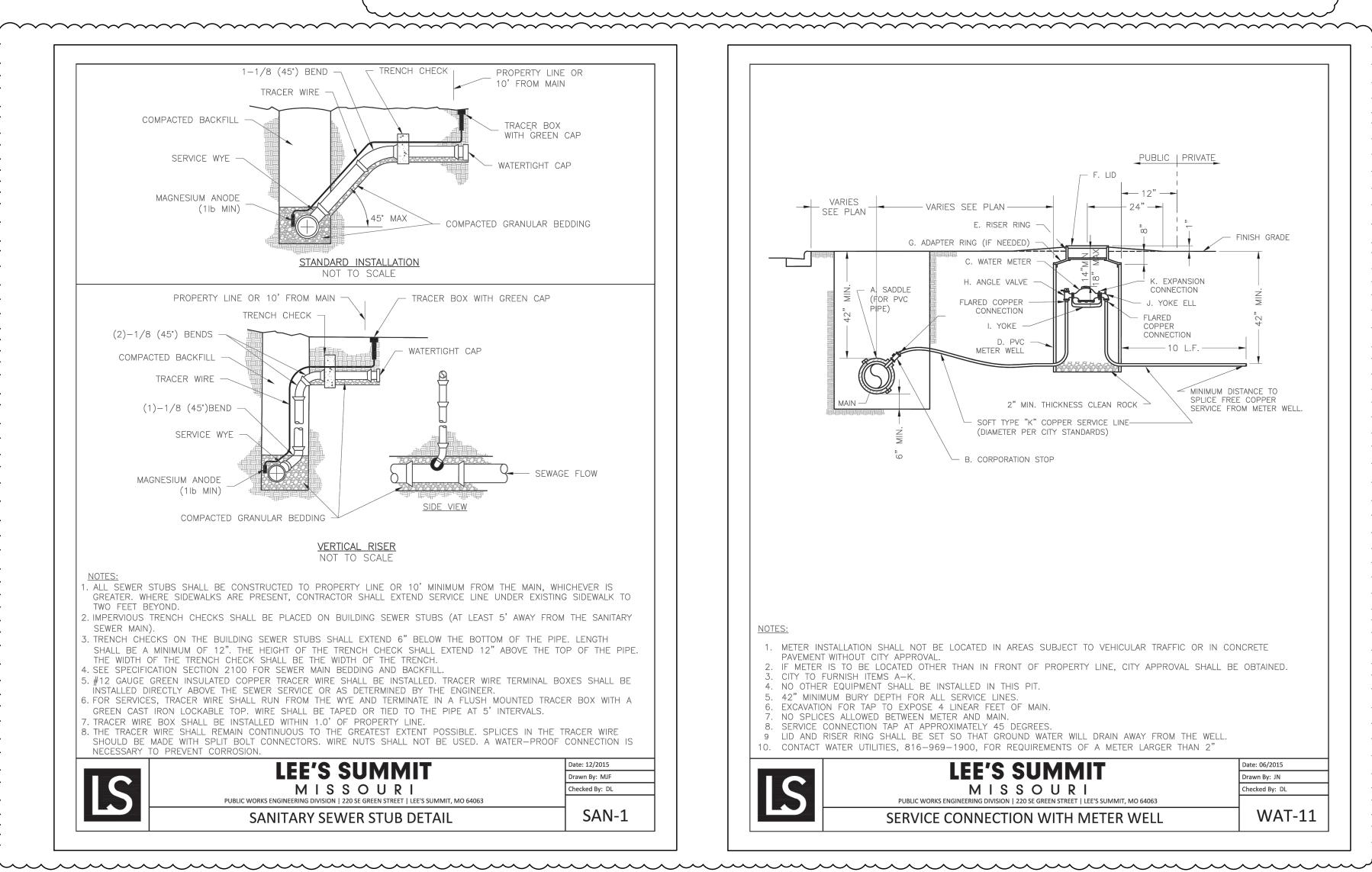
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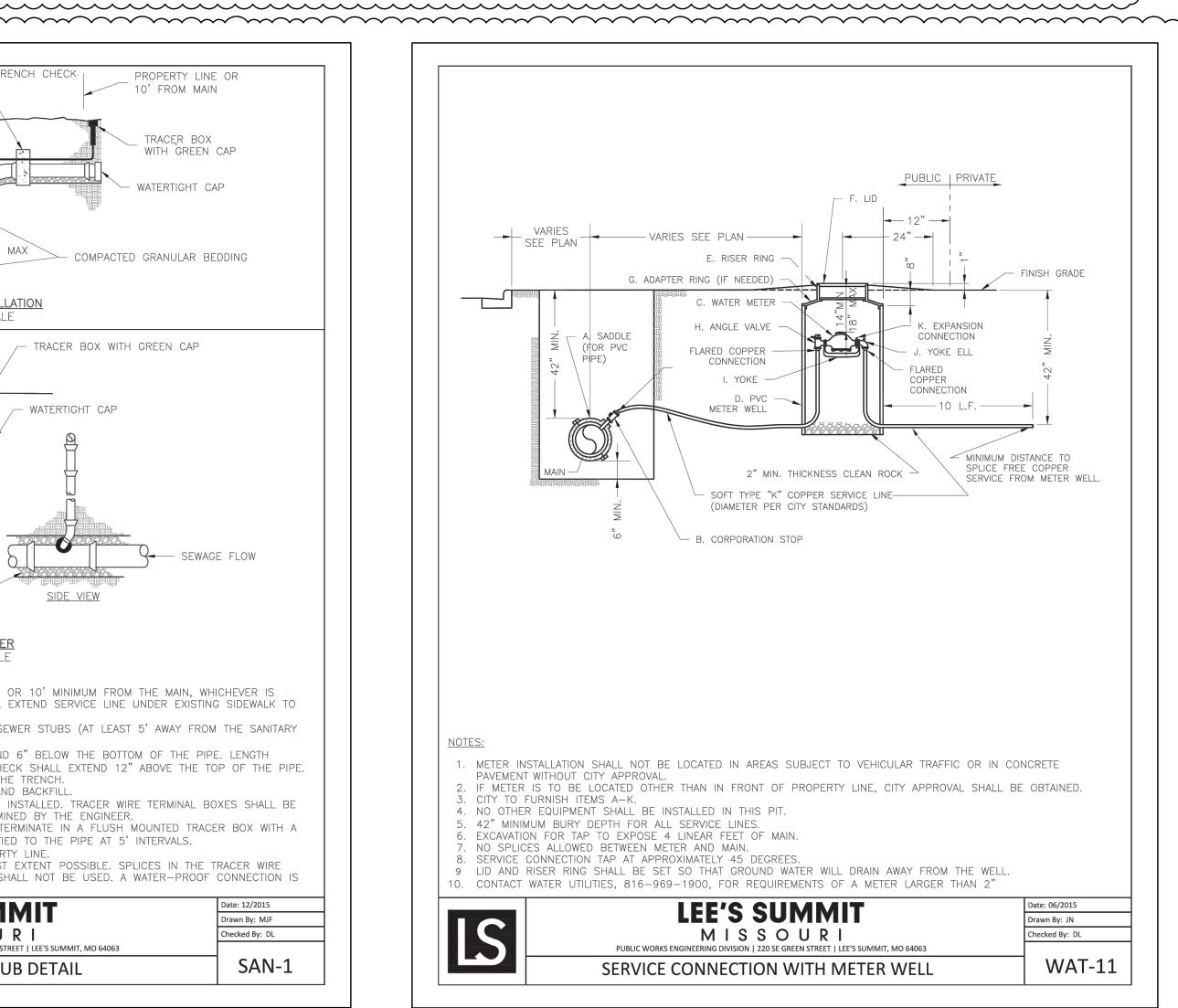


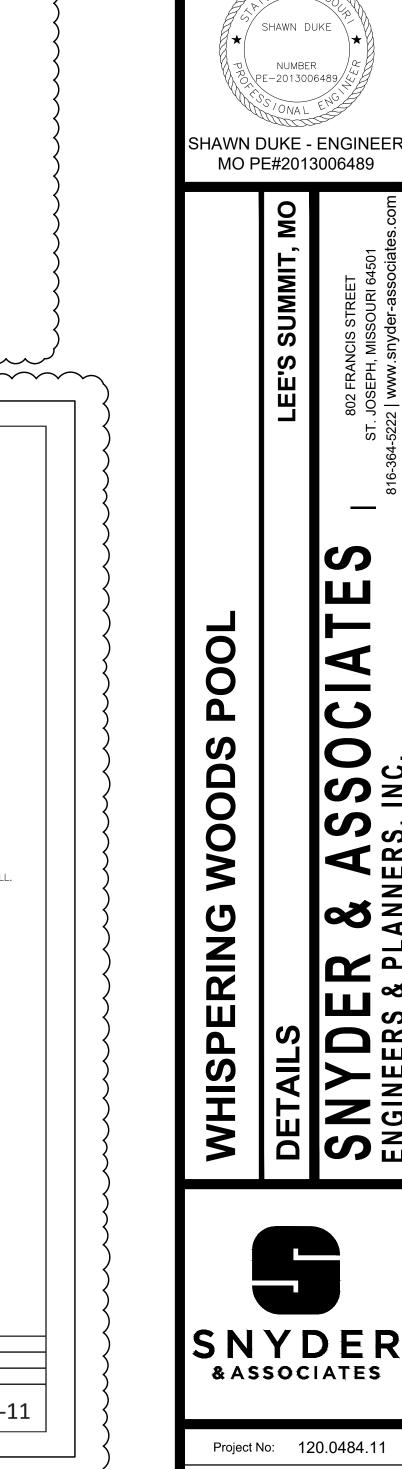
TYPE F

JOINT PAVING DETAILS

NOT TO SCALE









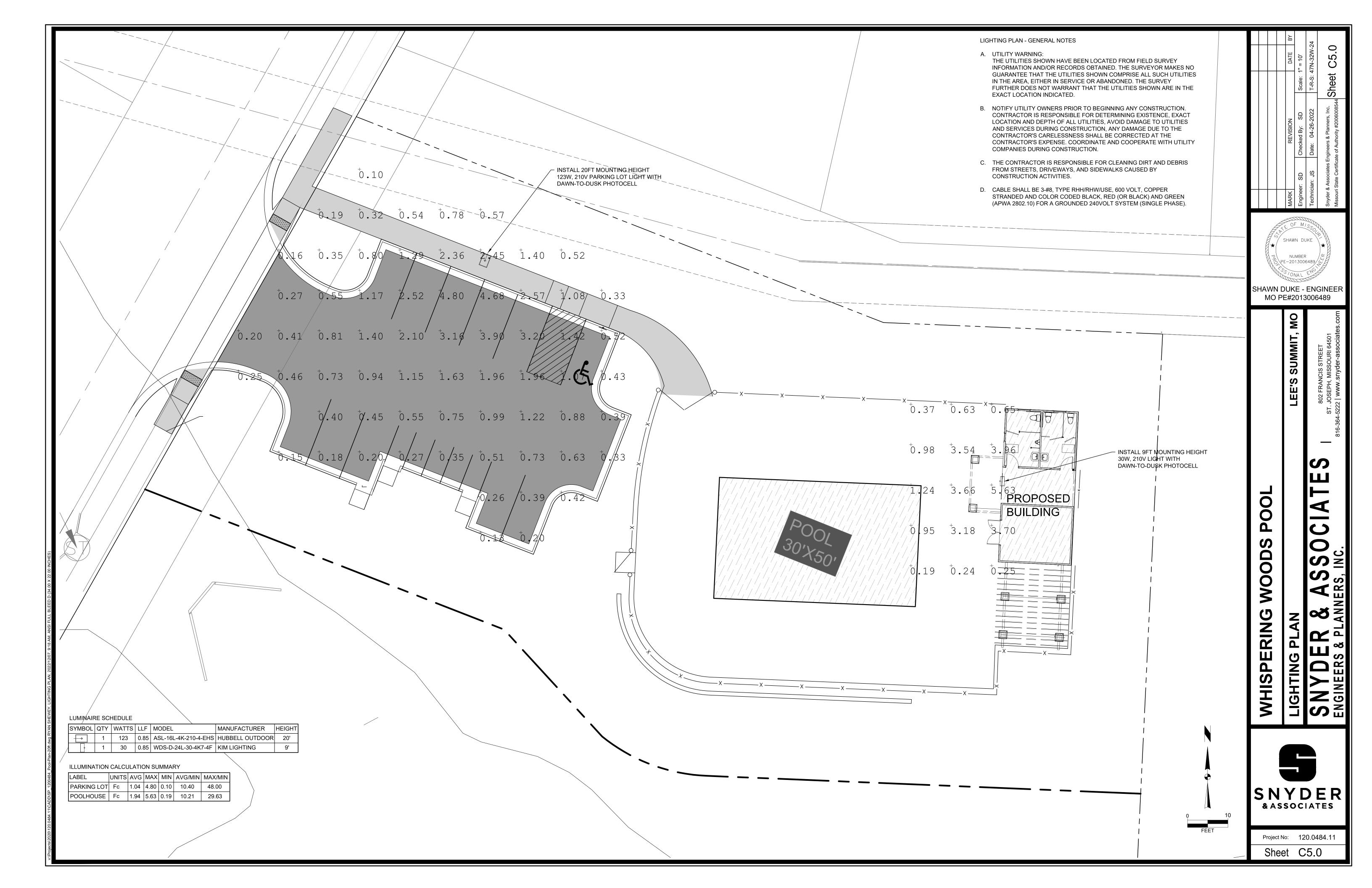
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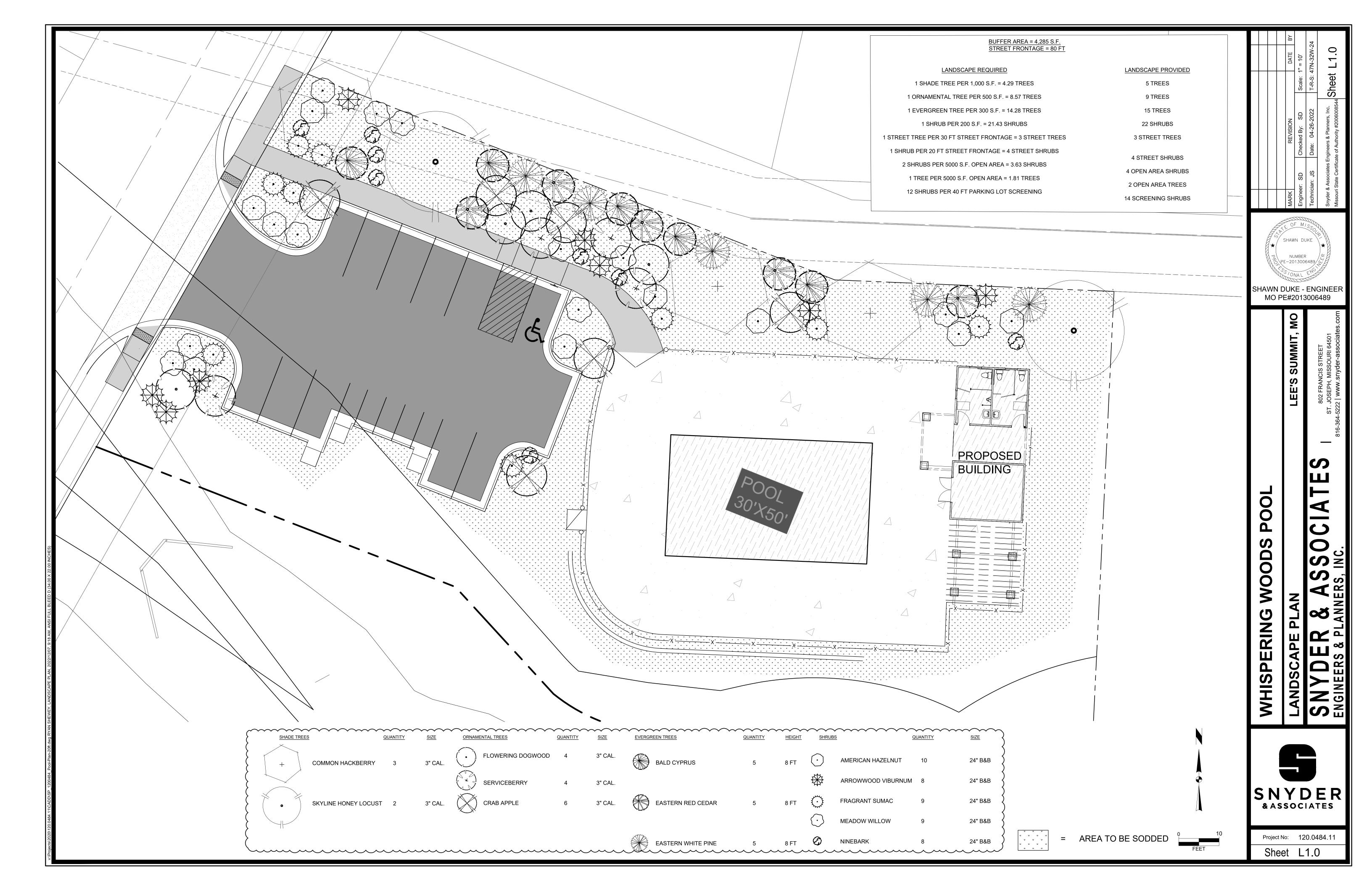
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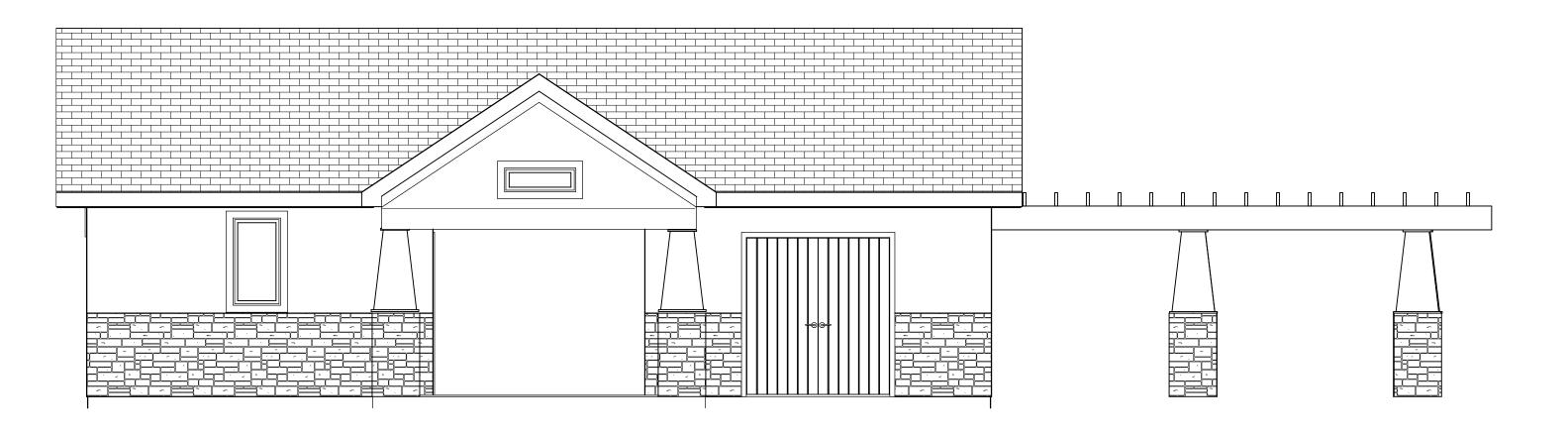
SUMMIT,

Project No: 120.0484.11

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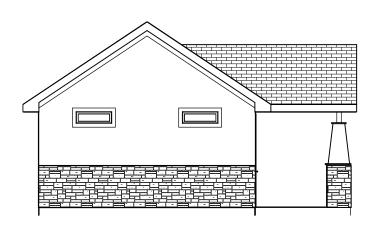


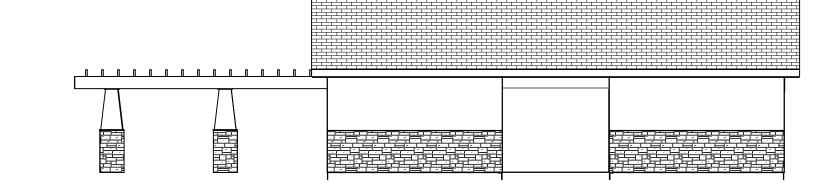


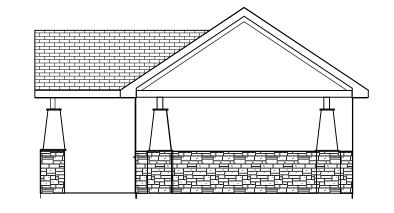
FRONT EL.

SIDING STUCCO AND STONE ALL SIDES

COLORS TO BE EARTHTONES







LEFT EL. 1/8 = 1-0

REAR EL. 1/8 = 1-0

> Review and Approval Structural Only

David Mezger Engineering LLC 212 NE Circle Dr. Kansas City, MO 64116



RIGHT EL.

1/8 = 1-0

BUILD IN ACCORDANCE WITH 2018 INTERNATIONAL BUILDING CODE AND LOCAL CODES.

POOL HOUSE 1901 SW RIVER RUN DR LEE SUMMIT MO

SCALE 1/4" = 1-0

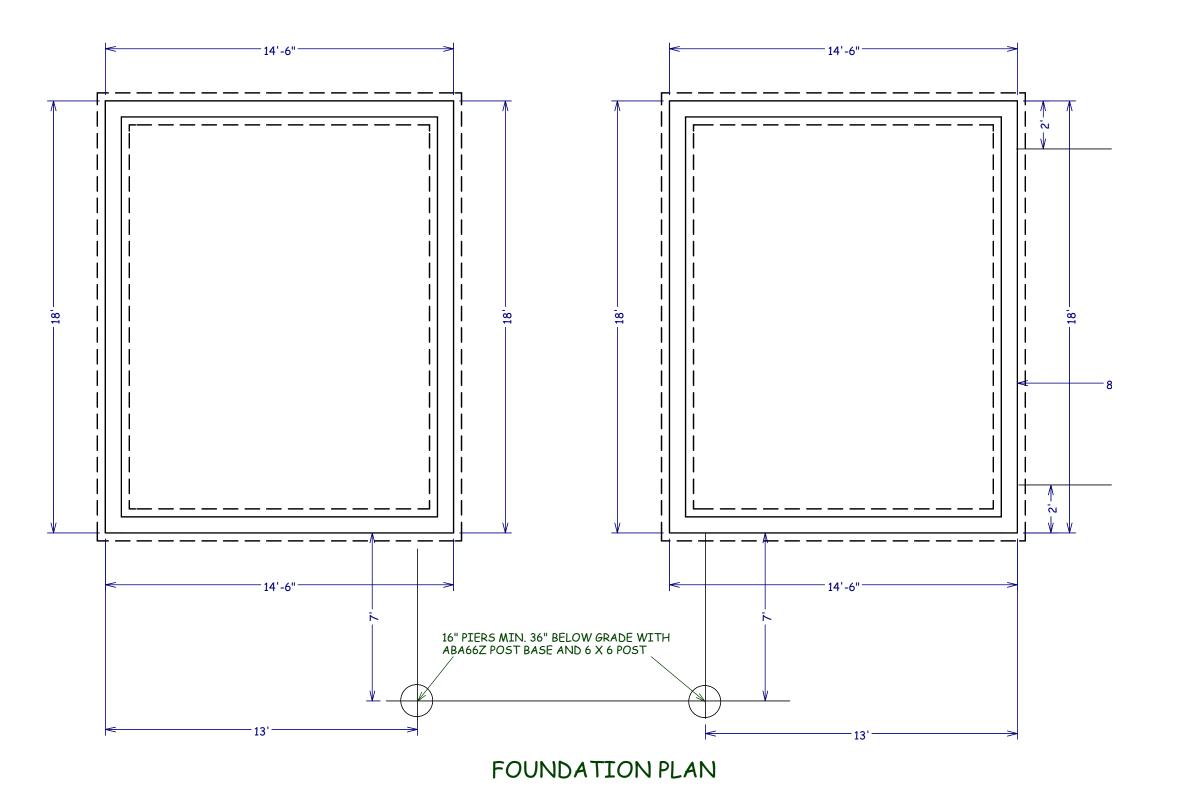
DATE 5-27-22

N. 481810

PLAN NO.

3781

SHEET NO.



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BUILD IN ACCORDANCE WITH 2018 INTERNATIONAL BUILDING CODE AND LOCAL CODES.

> POOL HOUSE 1901 SW RIVER RUN DR LEE SUMMIT MO

SCALE 1/4" = 1-0

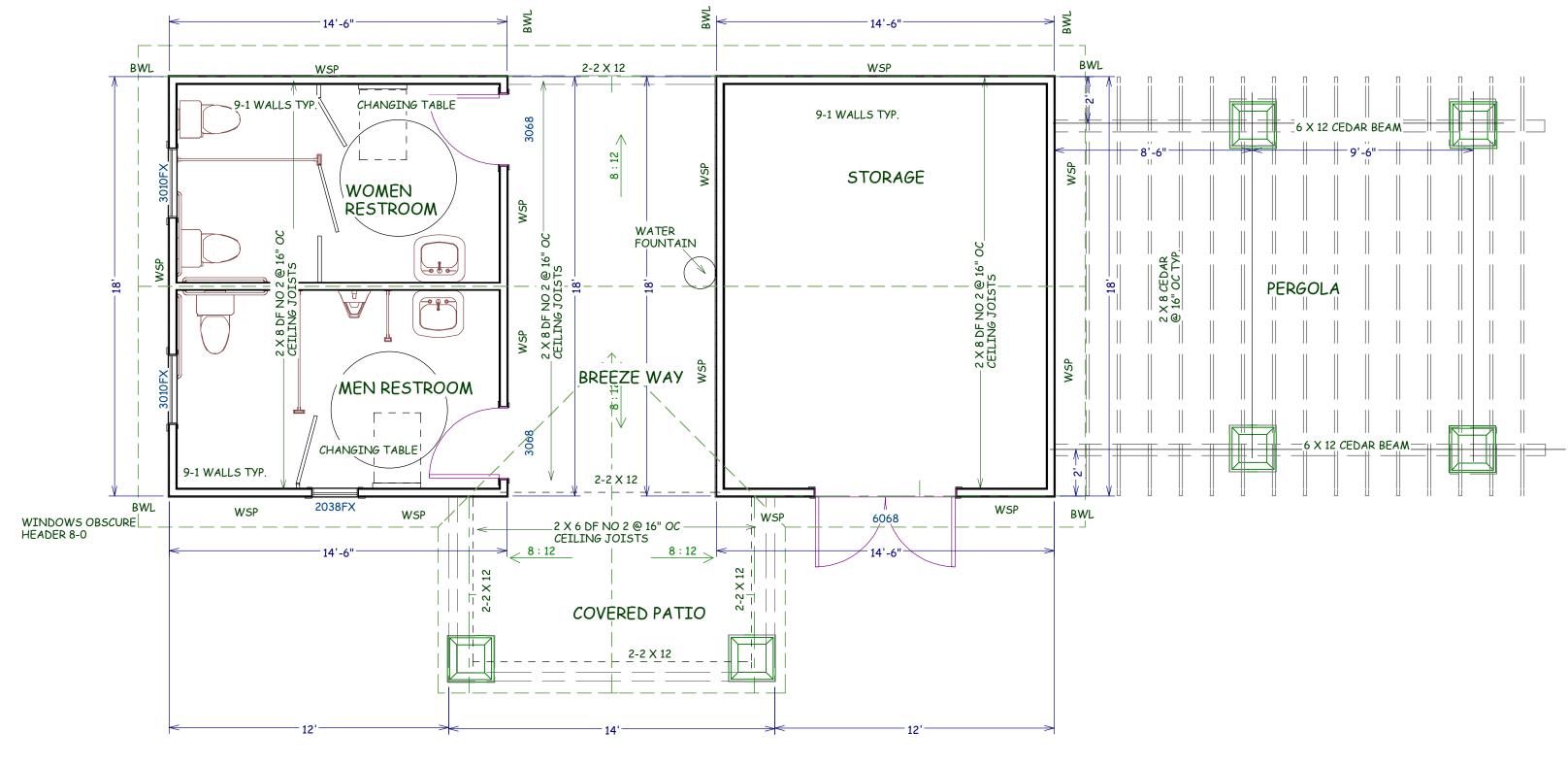
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PLAN NO.

3781

SHEET NO.



MAIN FLOOR POOL HOUSE 522 SF FINISHED

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BUILD IN ACCORDANCE WITH 2018 INTERNATIONAL BUILDING CODE AND LOCAL CODES.

> POOL HOUSE 1901 SW RIVER RUN DR LEE SUMMIT MO

SCALE 1/4" = 1-0

DATE

5-27-22

PLAN NO.

3781

SHEET NO.

A CASEMENT OR SLIDER WINDOW MINIMUMS ARE 20 INCH CLEAR

WIDTH MINIMUM AND 41 INCH CLEAR HEIGHT MINIMUM. WITH A

MINIMUM 5.7 SQUARE FOOT OF OPENABLE AREA.

FROM THE FLOOR

OPENING OF EGRESS WINDOW NOT MORE THAN 42"

EXCESS OF 9 SQUARE FEET OR THE BOTTOM EDGE OF THE GLAZING

SAFETY GLAZING REQUIRD WHERE THE NEAREST EXPOSED EDGE OF

THE GLAZING IS WITHIN 24 INCHES OF EITHER VERTICAL EDGE OF

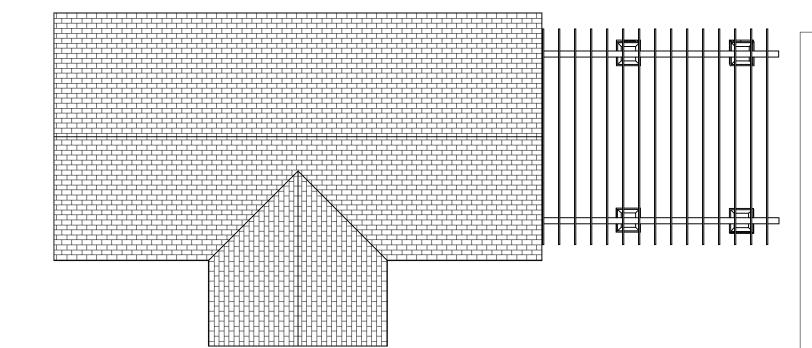
EXPOSED EDGE OF THE GLAZING IS LESS THAN 60 INCHES ABOVE A

WINDOWS ARE TO HAVE FALL PROTECTION PER IRC 312.2

WALKING SURFACE, SAFETY OR TEMPERED GLAZING IS REQUIRED.

THE DOOR IN A CLOSED POSITION AND WHERE THE BOTTOM

IS LESS THAN 18 INCHES ABOVE THE FINISHED FLOOR.



ROOF PLAN

1/8 = 1-0

ROOF PITCHES 8/12

16" SOFFITS TYP.

RAFTERS 2 X 6 DF NO 2 @ 16" O.C.

HIPS AND RIDGES 2 X 8 DF NO 2

2 X 6 DF NO 2 @ 16" O.C. RIDGES 2 X 8 DF NO 2

Review and Approval Structural Only

LADDER -

| 3'-0" →

EGRESS WINDOW WELL AS NEEDED

PER SECTION 308 MIN 3-0 X 3-0

WITHLADDER

David Mezger Engineering LLC 212 NE Circle Dr. Kansas City, MO 64116



BUILD IN ACCORDANCE WITH 2018 INTERNATIONAL BUILDING CODE AND LOCAL CODES.

> POOL HOUSE 1901 SW RIVER RUN DR LEE SUMMIT MO

SCALE 1/4" = 1-0

DATE

5-27-22

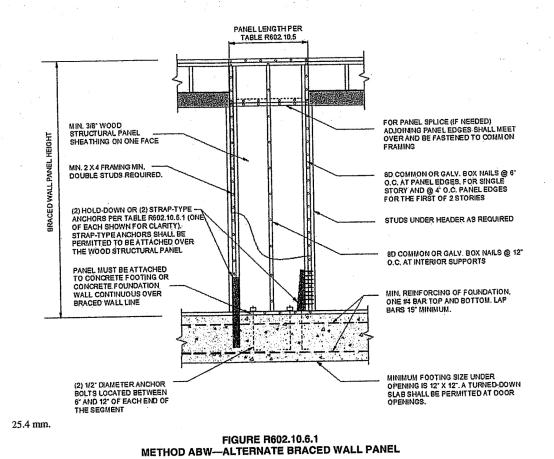
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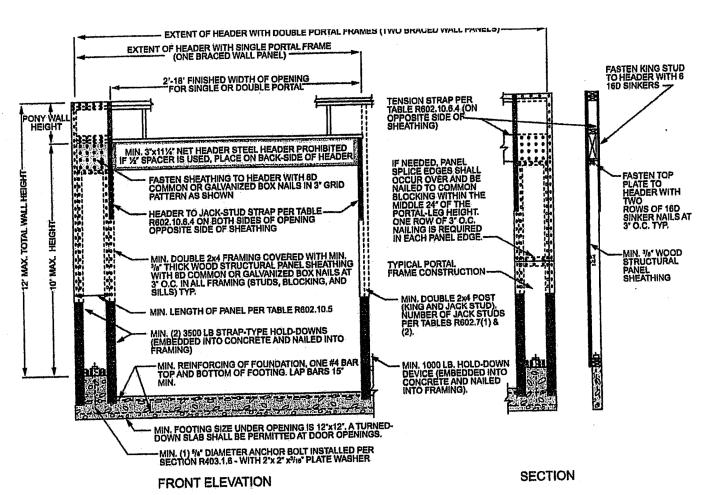
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SHEET NO.

	E	RACING REQUIR	EMENTS BASED O	N WIND SPEED				
EXPOSURE CA SD-FOOT MEA 10-FOOT WAL 2 BRACED WA	N ROOF HEIGHT L HEIGHT		MINIMUM TOTAL LENGTH (PEET) OF BRACED WALL PANELS REQUIRED ALONG EACH BRACED WALL LINE					
Ultimate Design Wind Speed (mph)	Story Location	Method LIB ^b	Method GB	Methods DWB, WSP, SFB, PBS, PCP, HPS, BV-WSP, ABW, PFH, PFC, GS-SFB	Methods CS-WSP, CS-G, CS-PF			
- <u></u>		10	3.5	3.5	2.0	2.0		
	^	20	6.5	6.5	3.5	3.5		
	△	30	9,5	9.5	5.5	4.5		
		40	12.5	12.5	7.0	6.0		
		50	15.0	15.0	9.0	7.5		
		60	18.0	18.0	10.5	9.0		
		10	7.0	7.0	4.0	3.5		
		20	12.5	12.5	7.5	6.5		
*		30	18.0	18.0	10.5	9.0		
≤ 115		40	23.5	23.5	13.5	11.5		
		50	29.0	29.0	16.5	14.0		
		60	34.5	34.5	20.0	17.0		
n		10	NP	10.0	6.0	5.0		
		20	NP	18.5	11.0	9.0		
		30	NP	27.0	15.5	13.0		
		40	NP	35,0	20.0	17.0		
1		50	NP	43.0	24.5	21.0		
		60	NP NP	51.0	29.0	25.0		

TABLE R602.10.3(1)





4 mm, 1 foot = 304.8 mm.

FIGURE R602.10.6.2 METHOD PFH—PORTAL FRAME WITH HOLD-DOWNS

BRACING METHODS									
			CONNECTION CRITERIA*						
MET	HODS, MATERIAL	MINIMUM THICKNESS	FIGURE	Fasteners	Spacing				
		1 × 4 wood or approved metal straps at 45° to 60° angles for		Wood: 2-8d common nails or 3-8d (2 ¹ / ₂ " long x 0.113" dia.) nails	Wood: per stud and top and bottom plates				
	Let-in-bracing	maximum 16" stud spacing		Metal strap: per manufacturer	Metal: per manufacturer				
	DWB Diagonal wood boards	3/4" (1" nominal) for maximum 24" stud spacing		2-8d $(2^{1}/_{2}" \text{ long} \times 0.113" \text{ dia.})$ nails or $2 - 1^{3}/_{4}" \text{ long staples}$	Per stud				
	WSP Wood			Exterior sheathing per Table R602.3(3)	6" edges 12" field				
	structural panel (See Section R604)	³ /g"		Interior sheathing per Table R602.3(1) or R602.3(2)	Varies by fastener				
Intermittent Bracing Methods	BV-WSP* Wood structural panels with stone or masonry veneer (See Section R602,10.6.5)	7/ ₁₆ "	See Figure R602.10.6.5	8d common $(2^{1}/_{2}" \times 0.131)$ nails	4" at panel edges 12" at intermediate supports 4" at braced wall panel end posts				
	SFB Structural fiberboard sheathing	1/2" or 25/32" for maximum 16" stud spacing		$1^{1}J_{2}^{"}$ long × 0.12" dia. (for $^{1}J_{2}^{"}$ thick sheathing) $1^{3}J_{4}^{"}$ long × 0.12" dia. (for $^{25}J_{32}^{"}$ thick sheathing) galvanized roofing nails	3" edges 6" field				
mittent				Nails or screws per Table R602.3(1) for exterior locations	For all braced wall panel locations: 7"				
Inter	GB Gypsum board	1/2"		Nails or screws per Table R702.3.5 for interior locations	edges (including top and bottom plates) 7" field				
	PBS Particleboard sheathing (See Section R605)	3/8" or 1/2" for maximum 16" stud spacing		For ³ / ₈ ", 6d common (2" long × 0.113" dia.) nails For ¹ / ₂ ", 8d common (2 ¹ / ₂ " long × 0.131" dia.) nails	3" edges 6" field				
	PCP Portland cement plaster	See Section R703.7 for maximum 16" stud spacing		1 ¹ / ₂ " long, 11 gage, ⁷ / ₁₆ " dia. head nails or ⁷ / ₈ " long, 16 gage staples	members				
	HPS Hardboard panel siding	7/16" for maximum 16" stud spacing		0.092" dia., 0.225" dia. head nails with length to accommodate 1 ½" penetration into studs	4" edges 8" field				
	ABW Alternate braced wall	3/8"		See Section R602.10.6.1	See Section R602.10.6.				

		M LENGTH OF BRACED WALL PANELS MINIMUM LENGTH' (Inches)				CONTRIBUTING LENGTH		
METHOD (See Table R602.10.4)			Wall Height				(inches)	
•	-	8 feet	9 feet	10 feet	11 feet	12 feet		
DWB, WSP, SFB, P	BS, PCP, HPS, BV-WSP	48	48	48	53	58	Actual ^b	
	GB	48	48	48	53	58	Double sided = Actual Single sided = 0.5 × Actua	
	LIB	55	62	69	NP	NP	Actual ⁶	
	SDC A, B and C, ultimate							
1	design wind speed < 140 mph	28	32	34	38	42	48	
ABW	SDC D ₀ , D ₁ and D ₂ , ultimate design	32	32	34	NP	NP	. 40	
	wind speed < 140 mph	24	27	30	33	36	Actual ^b	
	Adjacent clear opening height (inches)							
	≤ 64	24	27	30	33	36		
	68	26	27	30	33	36	_	
	72	27	27	30	33	36	1	
	76	30	29	30	33	36		
	80	32	30	30	33	36	1 .	
	84	35	32	32	33	36	-	
	88	38	35	33	33	36		
	92	43	37	35	35	36		
	96	48	41	38	36	36	_	
CS-WSP, CS-SFB	100		44	40	38	38	<u> </u>	
	104	_	49	43	40	39	Actual ^b	
	108	_	54	46	43	41		
	112		_	50	45	43		
	116			55	48	45		
	120		_	60	52	48		
	124		_	-	56	51		
	128	T -	_	-	61	54		
	132		_		66	58	_	
	136					62	_ _	
	140	-	_			66		
	144					72		
METHOD (See Table R602,10.4)				rtal header			_	
		8 feet	9 feet	10 feet	11 feet	12 feet		
Dritt	Supporting roof only	16	16	16	Note c	Note c		
PFH	Supporting one story and roo		24	24	Note c	Note c		
PFG		24	27	30	Note d	Note d		
	SDC A, B and C	16	18	20	Note e	Note e		
CS-PF $\overline{SDCD_0}$, $\overline{D_1}$ and $\overline{D_2}$		16	18	20	Note e	Note e	Actual ^b	

For SI: 1 inch = 25.4 mm, 1 foot = 304.8 mm, 1 mile per hour = 0.447 m/s. NP = Not Permitted.

a. Linear interpolation shall be permitted.

a. Linear interpolation shall be permitted.
b. Use the actual length where it is greater than or equal to the minimum length.
c. Maximum header height for PFH is 10 feet in accordance with Figure R602.10.6.2, but wall height shall be permitted to be increased to 12 feet with pony wall.
d. Maximum header height for PFG is 10 feet in accordance with Figure R602.10.6.3, but wall height shall be permitted to be increased to 12 feet with pony wall.
e. Maximum header height for CS-PF is 10 feet in accordance with Figure R602.10.6.4, but wall height shall be permitted to be increased to 12 feet with pony wall.

BRACE WALL DETAILS WIND SPEED 115 MPH WIND EXPOSURE A SEISMIC DESIGN CAEGORY A **Review and Approval Structural Only**

David Mezger Engineering LLC 212 NE Circle Dr. Kansas City, MO 64116



			TABLE R602.10.4—con			
				CONNECTION CRITERIA		
M	ETHODS, MATERIAL	MINIMUM THICKNESS	FIGURE	Fasteners	Specing	
Methods	PFH Portal frame with hold-downs	3/ ₈ ″		See Section R602.10.6.2	See Section R602.10.6.2	
Intermittent Bracing Methods	PFG Portal frame at garage	7/ ₁₆ "		See Section R602.10.6.3	See Section R602.10.6.3	
	CS-WSP	3/8"		Exterior sheathing per Table R602.3(3)	6" edges 12" field	
, .	Continuously sheathed wood structural panel			Interior sheathing per Table R602.3(1) or R602.3(2)	Varies by fastener	
Continuous Sheathing Methods	CS-G ^{h,c} Continuously sheathed wood structural panel adjacent to garage openings	³/ ₈ ″		See Method CS-WSP	See Method CS-WSP	
nuous She	CS-PF Continuously sheathed	⁷ / ₁₆ "		See Section R602.10.6.4	See Section R602.10.6.4	
Conti	CS-SFB ^d Continuously sheathed structural fiberboard	1/2" or ²⁵ /32" for maximum 16" stud spacing		1 $\frac{1}{2}$ " long × 0.12" dia. (for $\frac{1}{2}$ " thick sheathing) 1 $\frac{3}{4}$ " long × 0.12" dia. (for $\frac{24}{12}$ " thick sheathing) galvanized roofing nails	3" edges 6" field	

For SI: 1 inch = 25.4 mm, 1 foot = 304.8 mm, 1 degree = 0.0175 rad, 1 pound per square foot = 47.8 N/m², 1 mile per hour = 0.447 m/s.

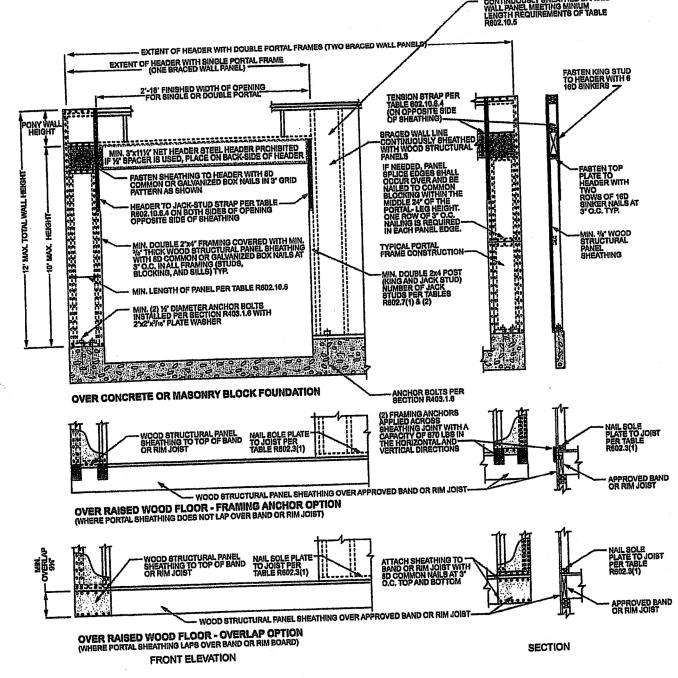
a. Adhesive attachment of wall sheathing, including Method GB, shall not be permitted in Seismic Design Categories C, D₀, D₁ and D₂.

b. Applies to panels next to garage door opening where supporting gable end wall or roof load only. Shall only be used on one wall of the garage. In Seismic Design Categories D₀, D₁ and D₂ roof covering dead load shall not exceed 3 psf.

c. Garage openings adjacent to a Method CS-G panel shall be provided with a header in accordance with Table R602.7(1). A full-height clear opening shall not be permitted adjacent to a Method CS-G panel.

d. Method CS-SFB does not apply in Seismic Design Categories D₀, D₁ and D₂.

e. Method applies to detached one- and two-family dwellings in Seismic Design Categories D₀ through D₂ only.



For SI: 1 inch = 25.4 mm, 1 foot = 304.8 mm.

FIGURE R602.10.6.4 METHOD CS-PF—CONTINUOUSLY SHEATHED PORTAL FRAME PANEL CONSTRUCTION

ACCORDANCE WITH TIONAL BUILD IN ACCORD 2018 INTERNATIC BUILDING CODE A CODES.

> OL HOUSE 1 SW RIVER RUN E 5 SUMMIT MO 200L 901 S EE S

SCALE 1/4" = 1-0

DATE 5-27-22

PLAN NO.

3781

SHEET NO.