

UTILITY SERVICE NUMBERS							
886-874-2389							
816-220-5213							
816-399-9633							
816-969-1800							
816-969-1600							
816-969-1300							

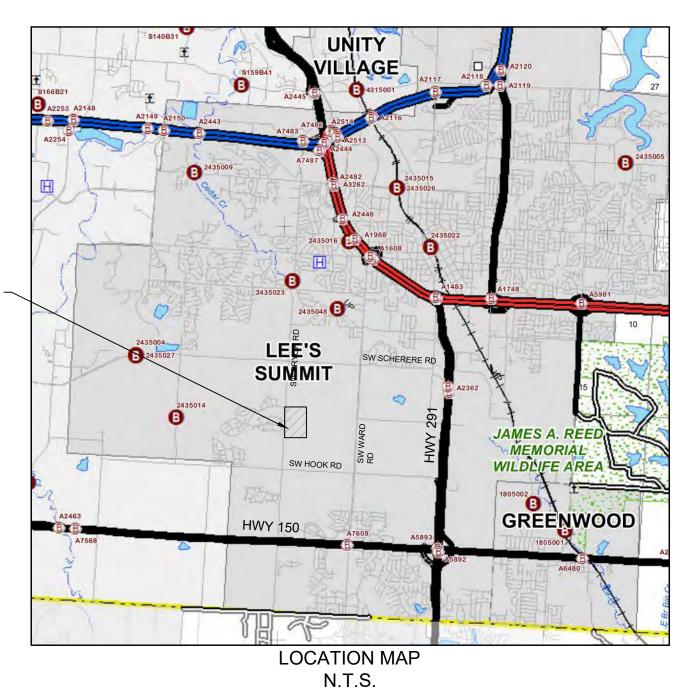
PROJECT LOCATION

PROPERTY DESCRIPTION

DESCRIPTION

CONTAINING 105,623 SQUARE FEET OR 2.42 ACRES TRACT C OF WHISPERING WOODS, 1ST PLAT, LOTS 1-33

CONSTRUCTION PLANS FOR WHISPERING WOODS POOL **CITY OF LEE'S SUMMIT** JACKSON COUNTY, MISSOURI



Sheet Number C1.0 C1.1 G 0 C2.0 SI C2.1 G C3.0 SF C3.1 SI C3.2 EF C3.3 U C3.4 C4.0 DE C4.1 L1.0

APPROVED:

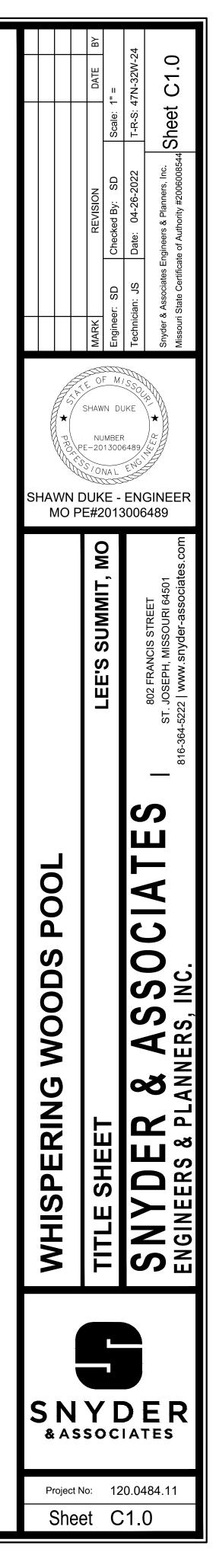
City Engineer

She	Sheet List Table							
ımber	Sheet Title							
)	TITLE SHEET							
1	GENERAL NOTES							
)	OVERALL SITE PLAN							
1	SITE PLAN							
)	GRADING PLAN							
1	SPOT ELEVATION PLAN							
2	SIDEWALK RAMP PLAN							
3	EROSION CONTROL PLAN							
1	UTILITY PLAN							
)	DETAILS							
1	DETAILS							
)	LANDSCAPE PLAN							

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



EE'S SUMMIT NOTES

- CONTRACTOR SHALL REFER TO THE CURRENT VERSION OF THE CITY OF LEE'S SUMMIT DESIGN AND CONSTRUCTION (D&C) MANUAL.
- ALL WORKMANSHIP AND MATERIALS SHALL BE SUBJECT TO THE INSPECTION AND APPROVAL OF THE ENGINEERING DEPARTMENT OF LEE'S SUMMIT, MISSOURI.
- LINEAL FOOT MEASUREMENTS SHOWN ON THESE PLANS ARE HORIZONTAL MEASUREMENTS. NOT SLOPE MEASUREMENTS. ALL PAYMENTS SHALL BE MADE ON HORIZONTAL MEASUREMENTS.
- NO GEOLOGICAL INVESTIGATION WAS PERFORMED ON THIS PROJECT.
- 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.
- 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.
- 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.
- ALL MANHOLES, CATCH BASINS, UTILITY VALVES AND METER PITS TO BE ADJUSTED OR REBUILT TO GRADE AS REQUIRED.
- 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.
- 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.
- CONTRACTOR SHALL PROVIDE TESTING AND INSPECTION PER SECTION 3500 -SANITARY SEWERS CITY OF LEE'S SUMMIT, MISSOURI STANDARD SPECIFICATIONS.
- . 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.
- 4. 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.
- . 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.
- 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.
- ALL STUB LINES SHALL BE LAID ON 2.00% MINIMUM GRADE UNLESS APPROVED OTHERWISE.
- D. 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."
- 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.
- GRADING CONTRACTOR SHALL BE RESPONSIBLE FOR THE CONTROL OF EROSION AND SILTATION DURING ALL PHASES OF CONSTRUCTION.
- 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.
- SIDEWALKS ARE SHOWN FOR INFORMATIONAL PURPOSES ONLY UNLESS 5 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.
- 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

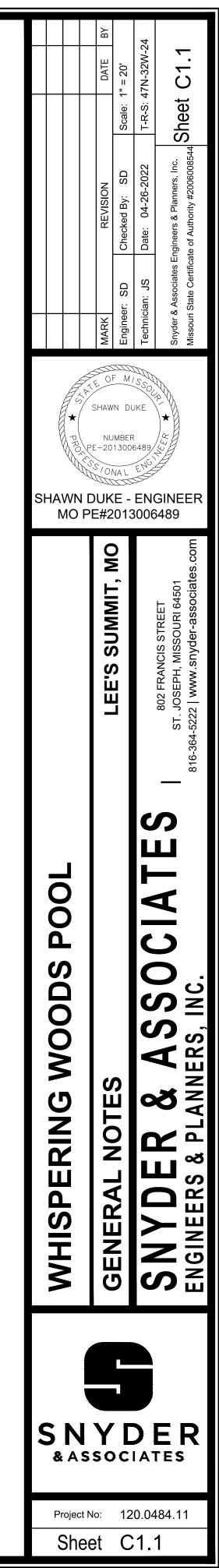
TOTAL DISTURBED AREA = 0.47 AC

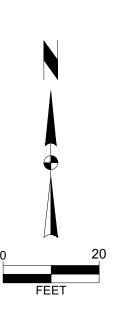
TOTAL BUILDING AREA = 0.016 AC

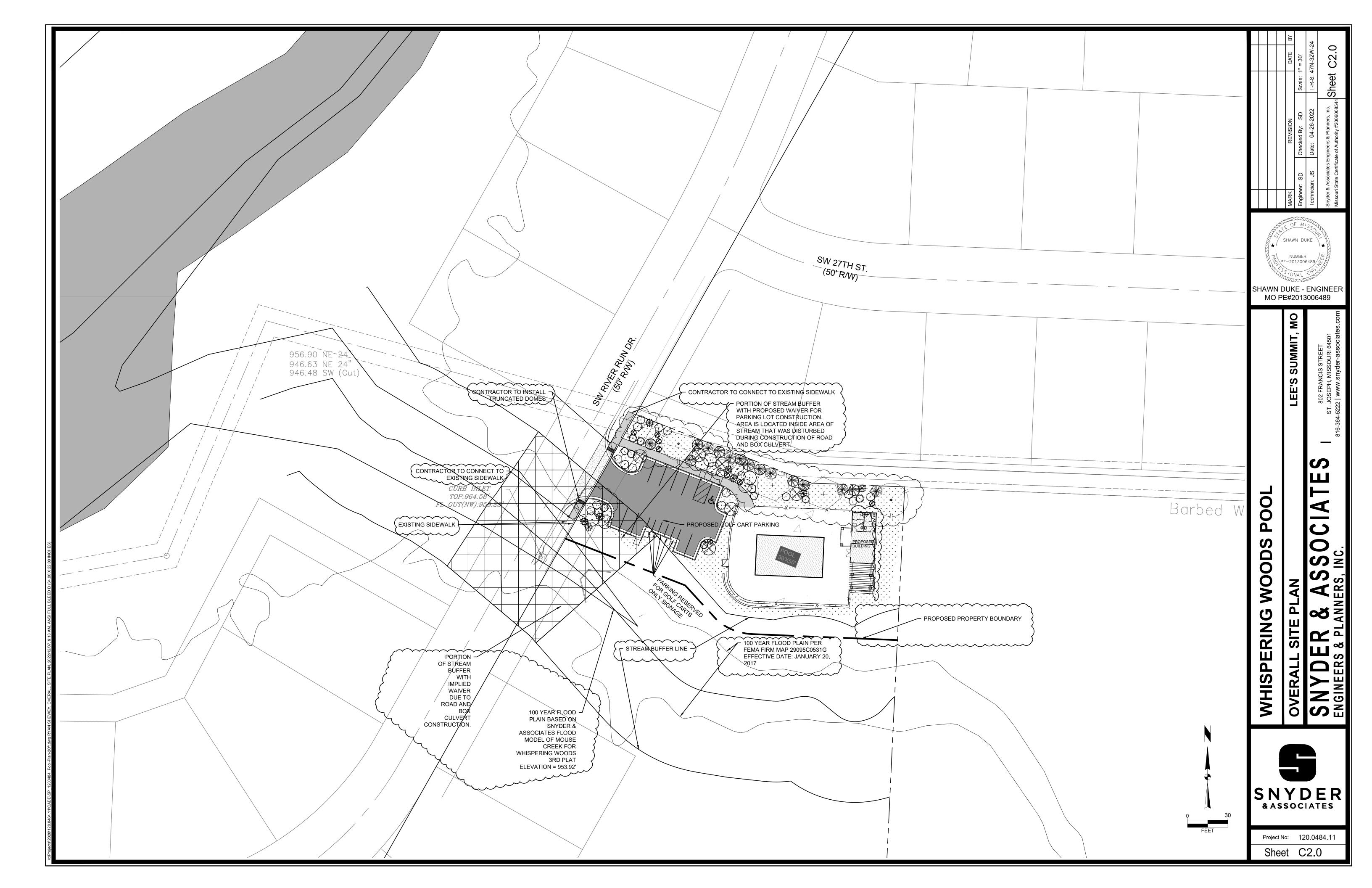
^{*} REQUIRED PARKING SPACES = 9

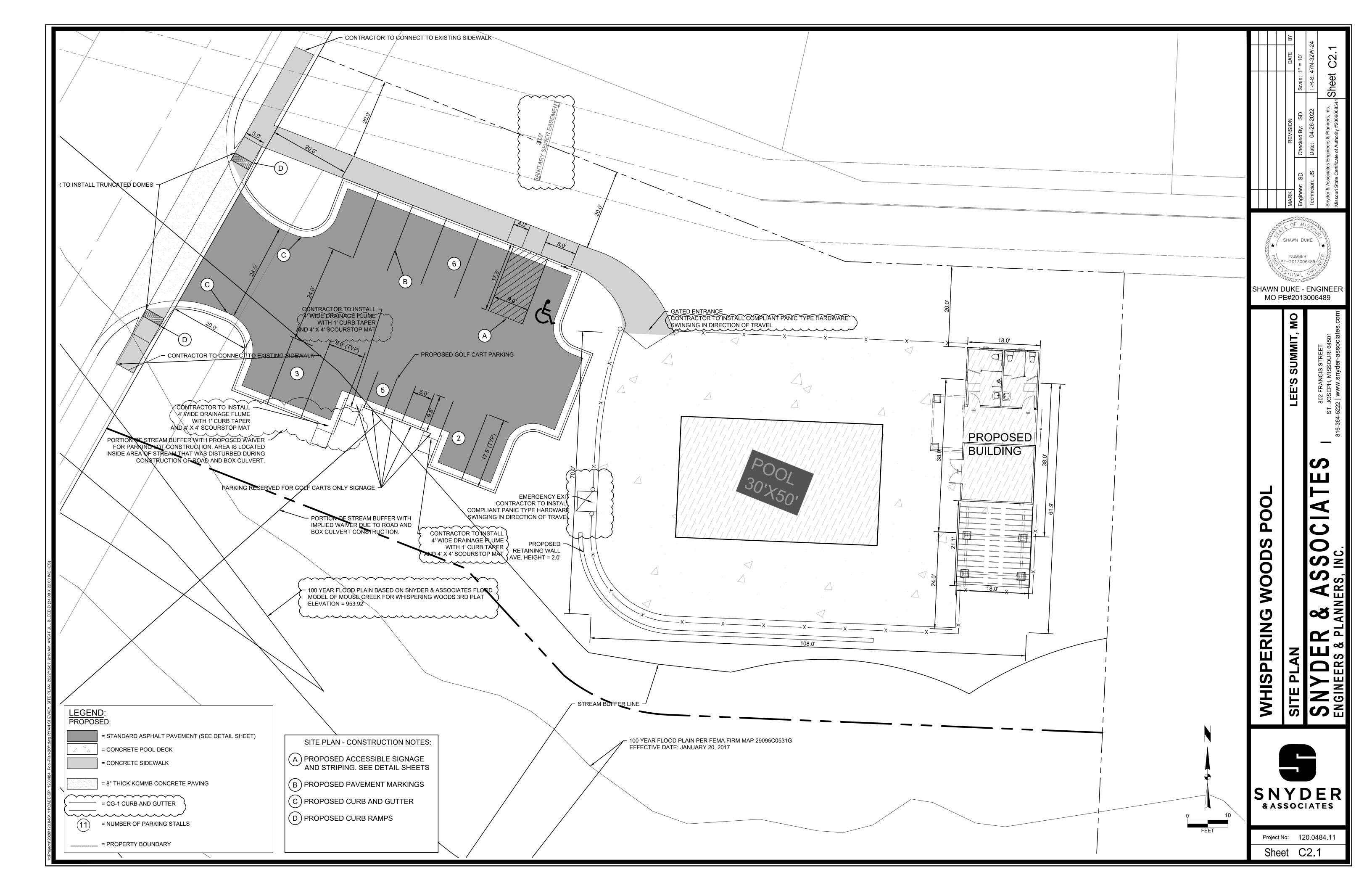
PROPOSED PARKING SPACES = 11

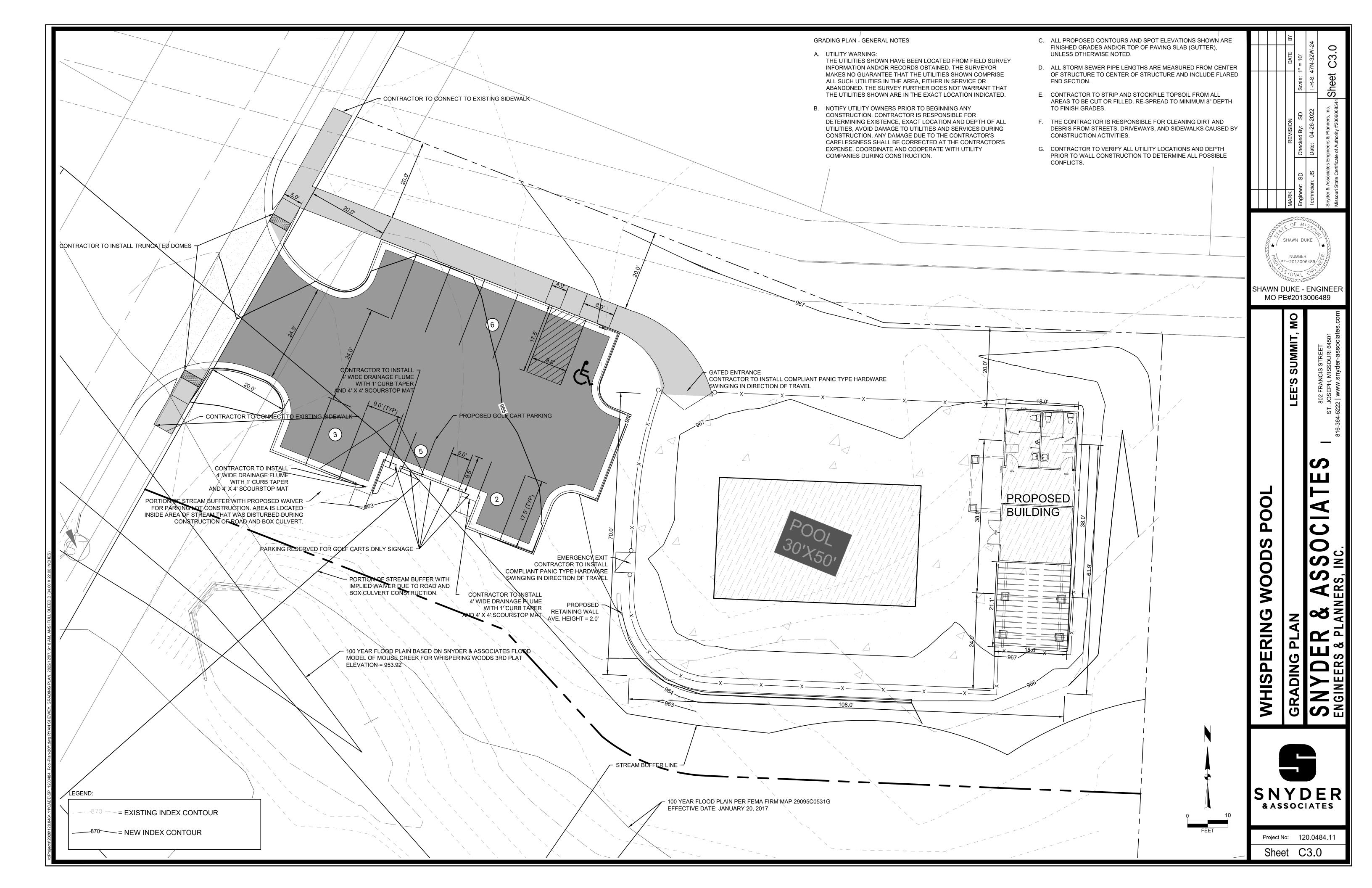
MPERVIOUS COVERAGE = .293 AC = 12.06% OF TOTAL AREA

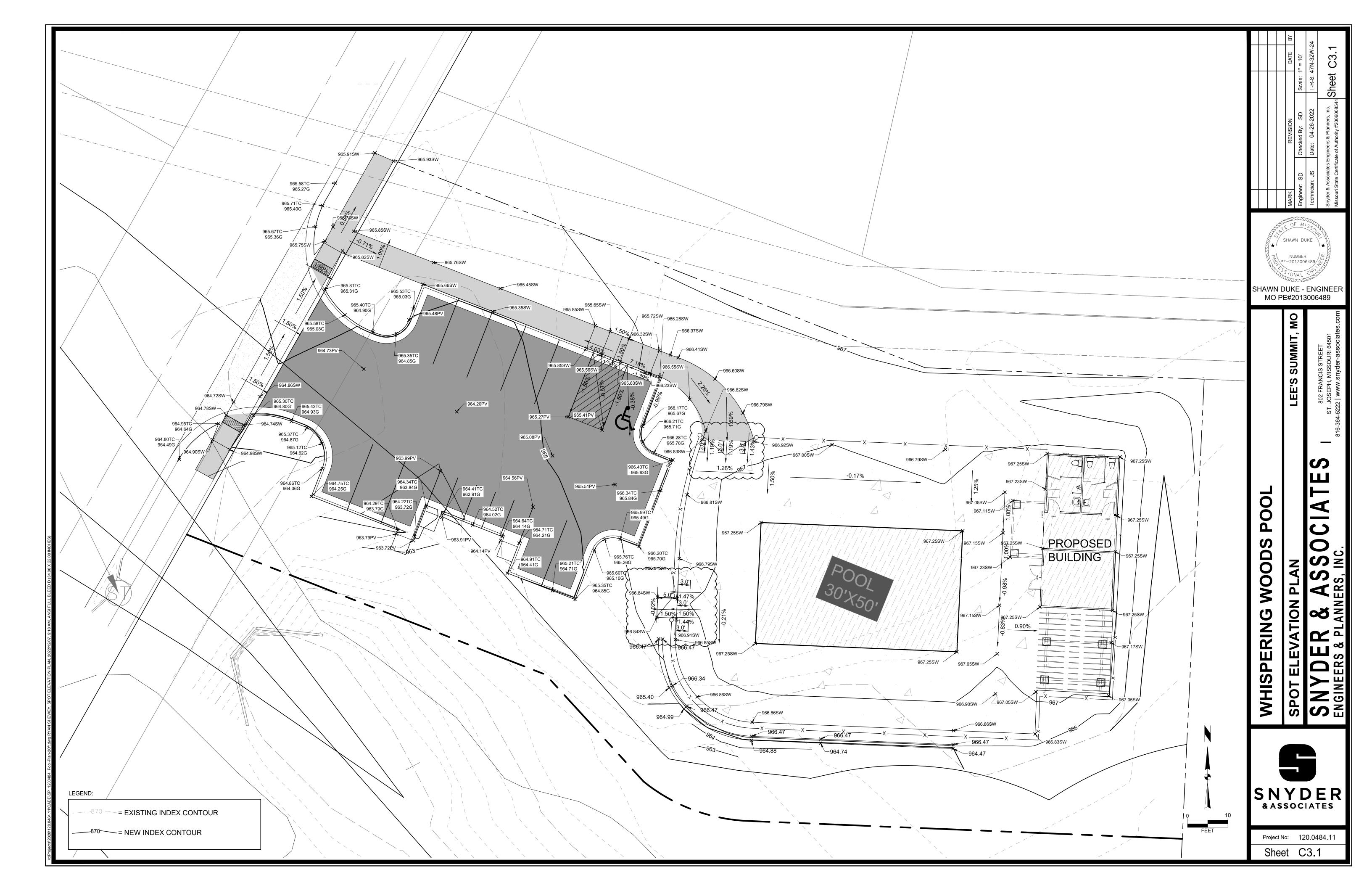


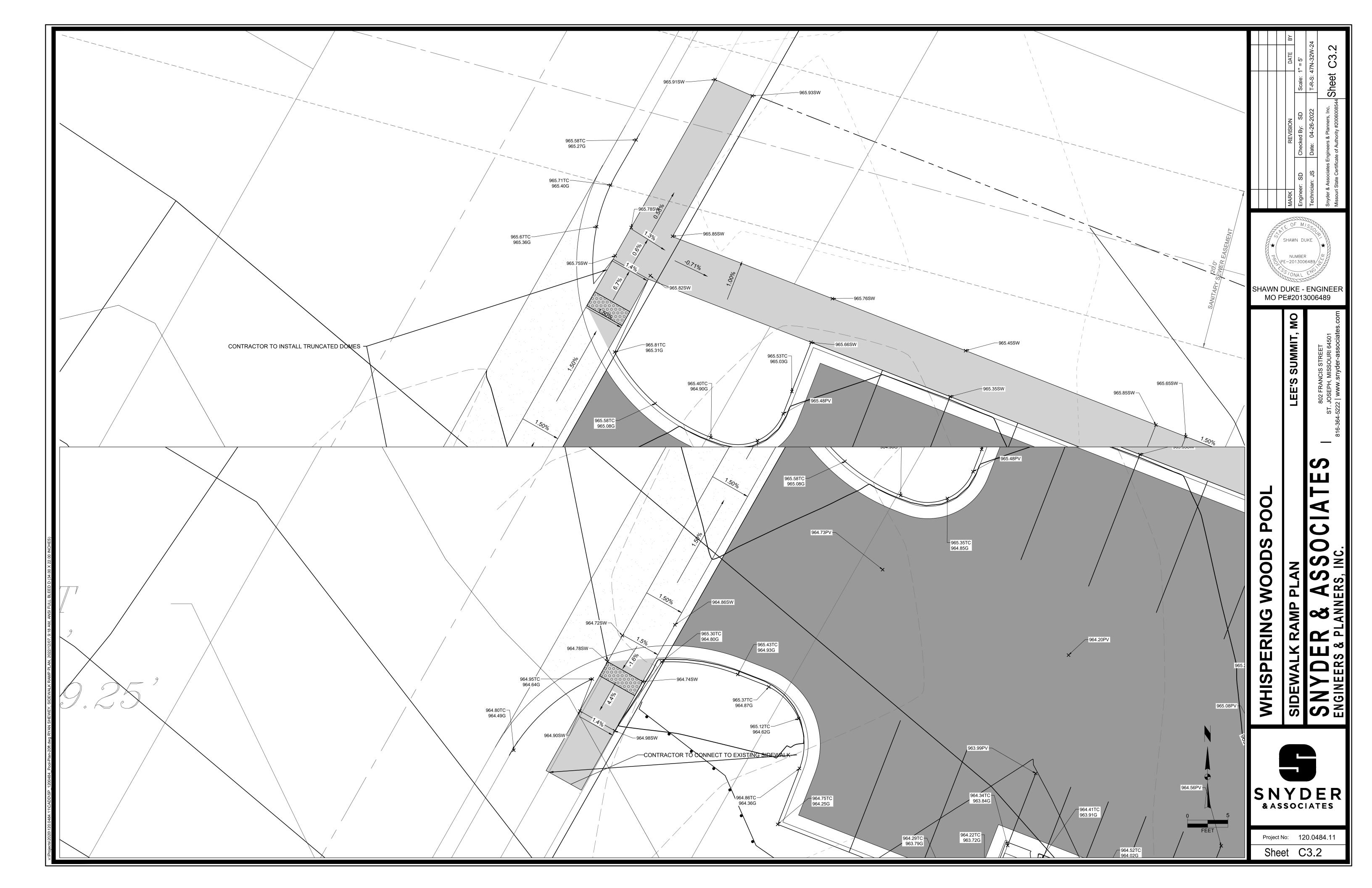


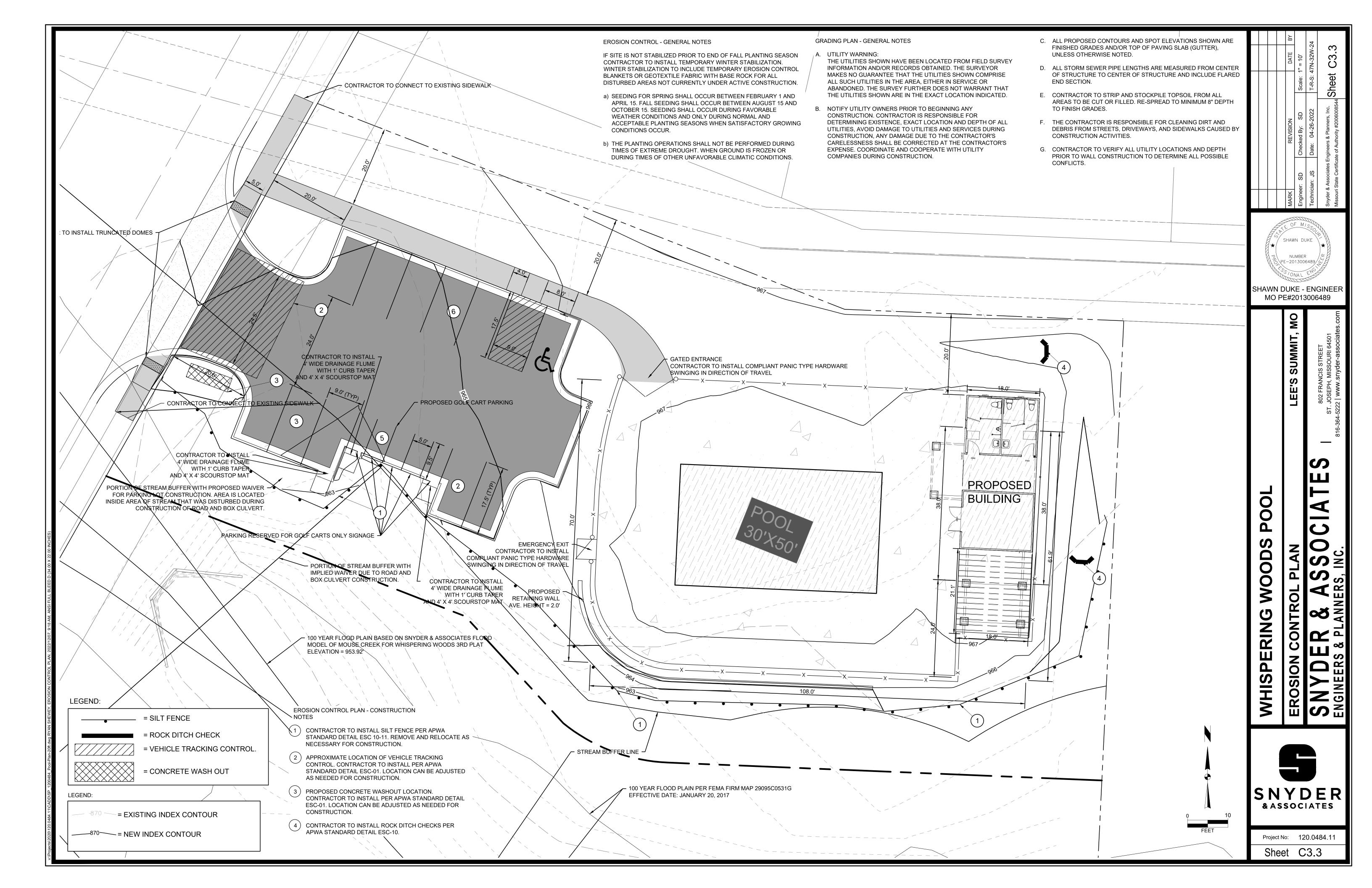


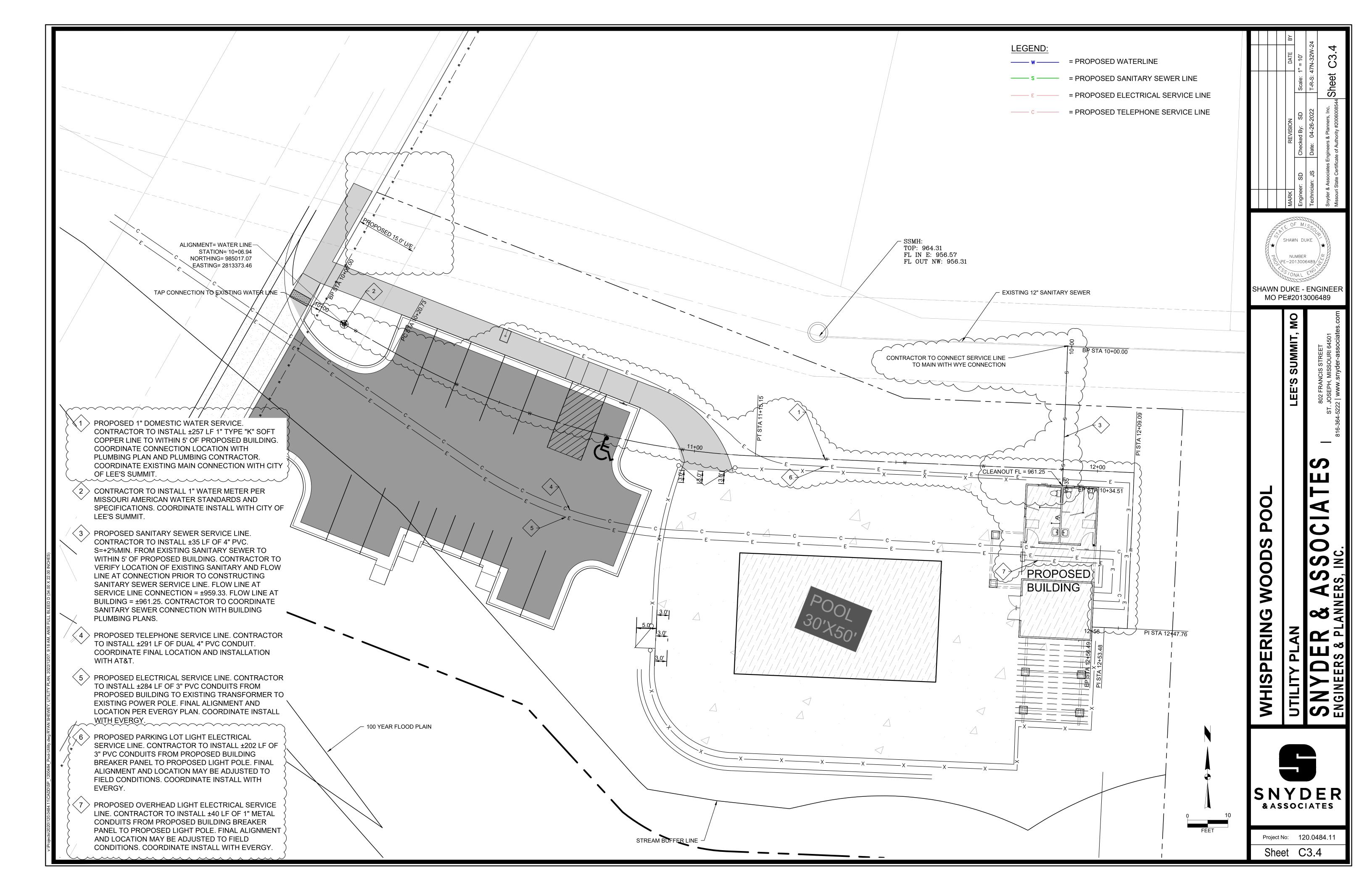


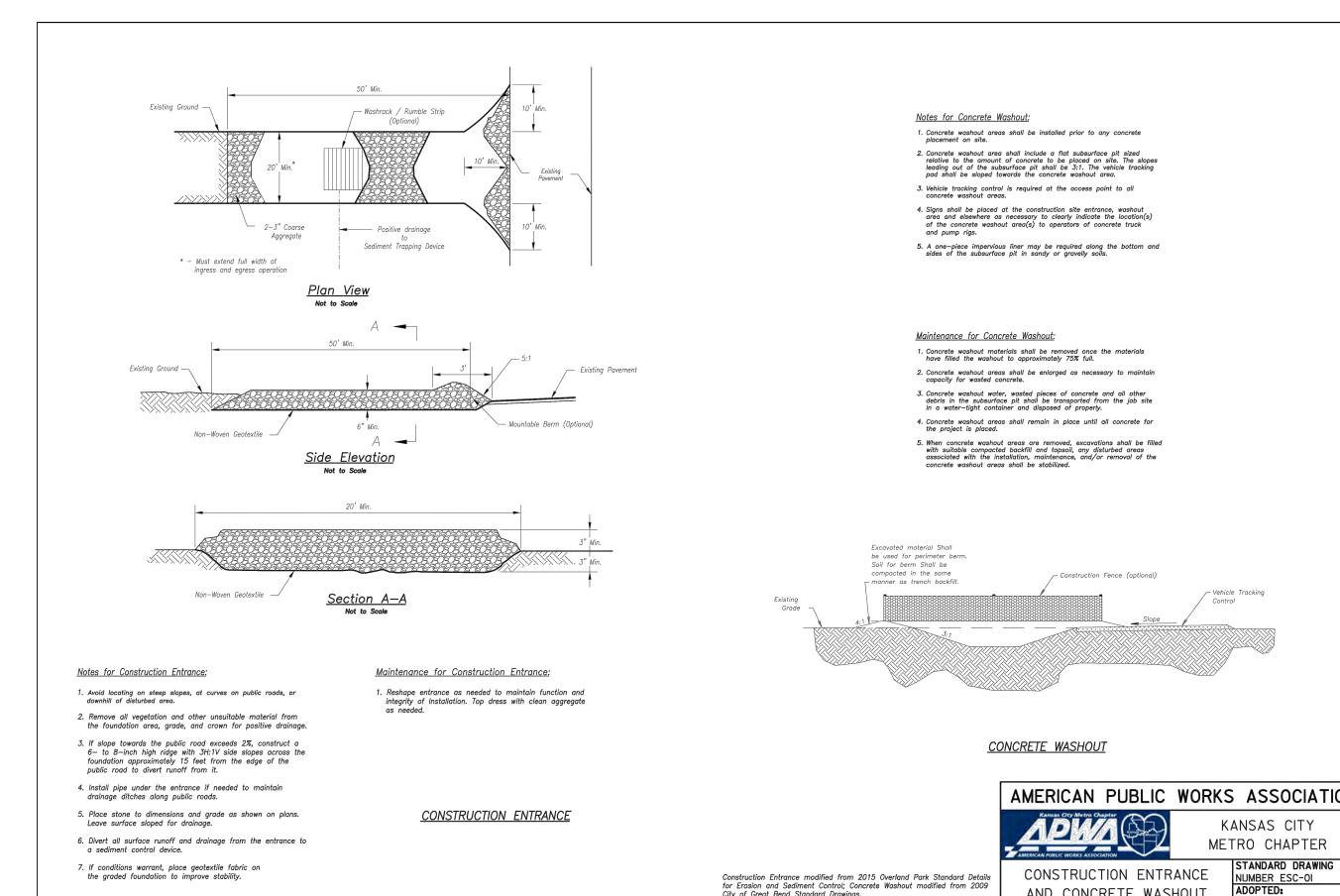


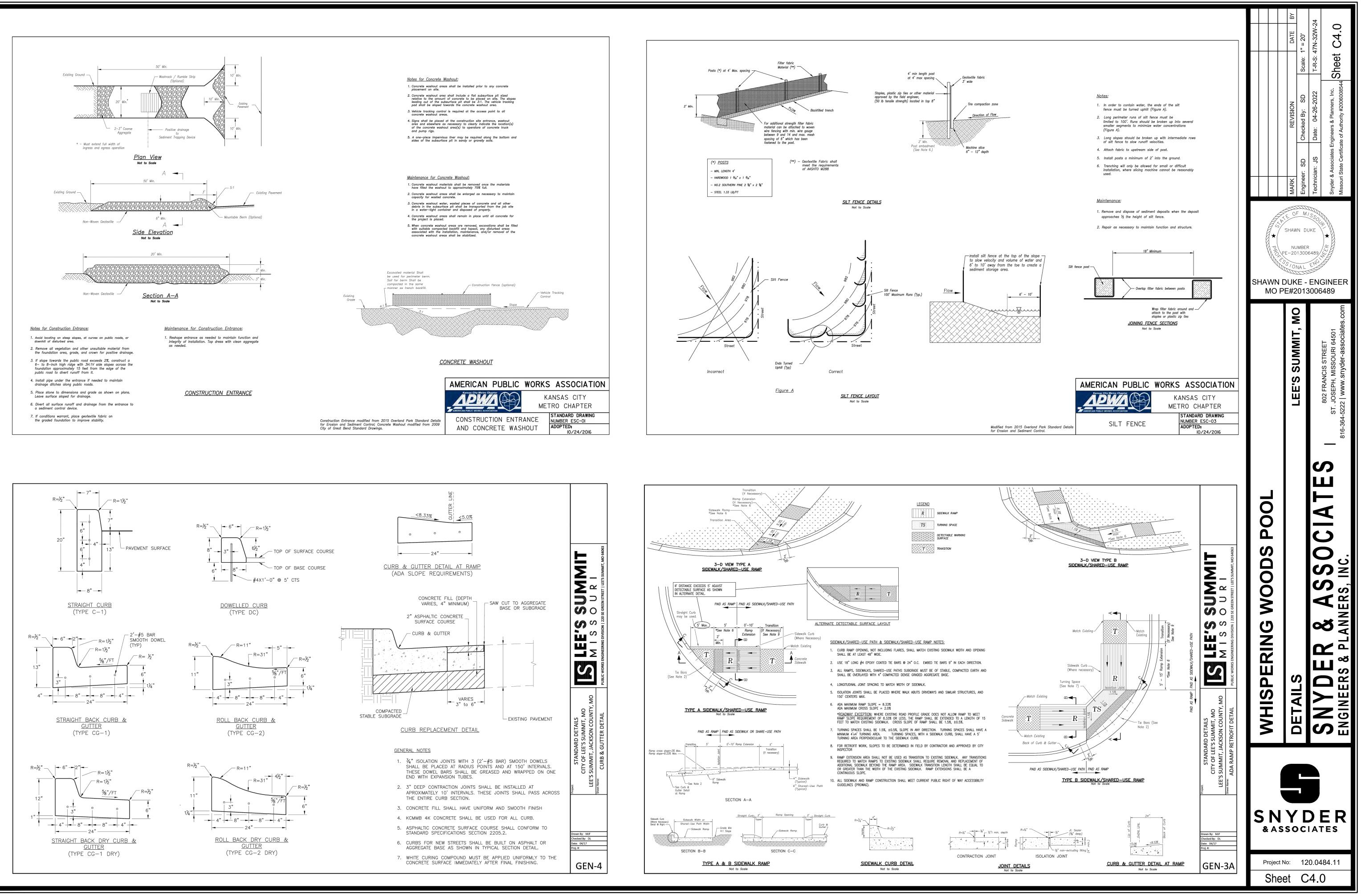




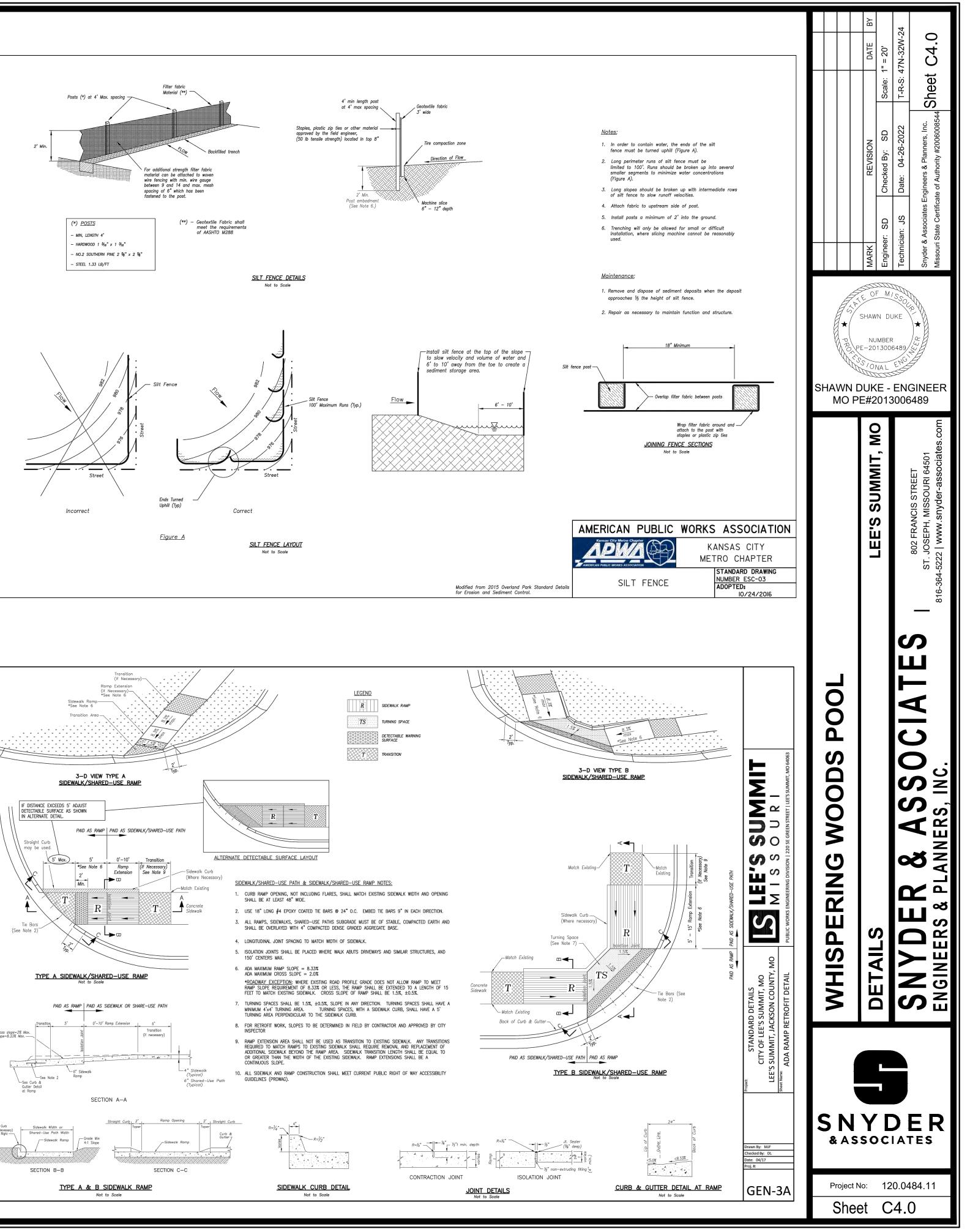


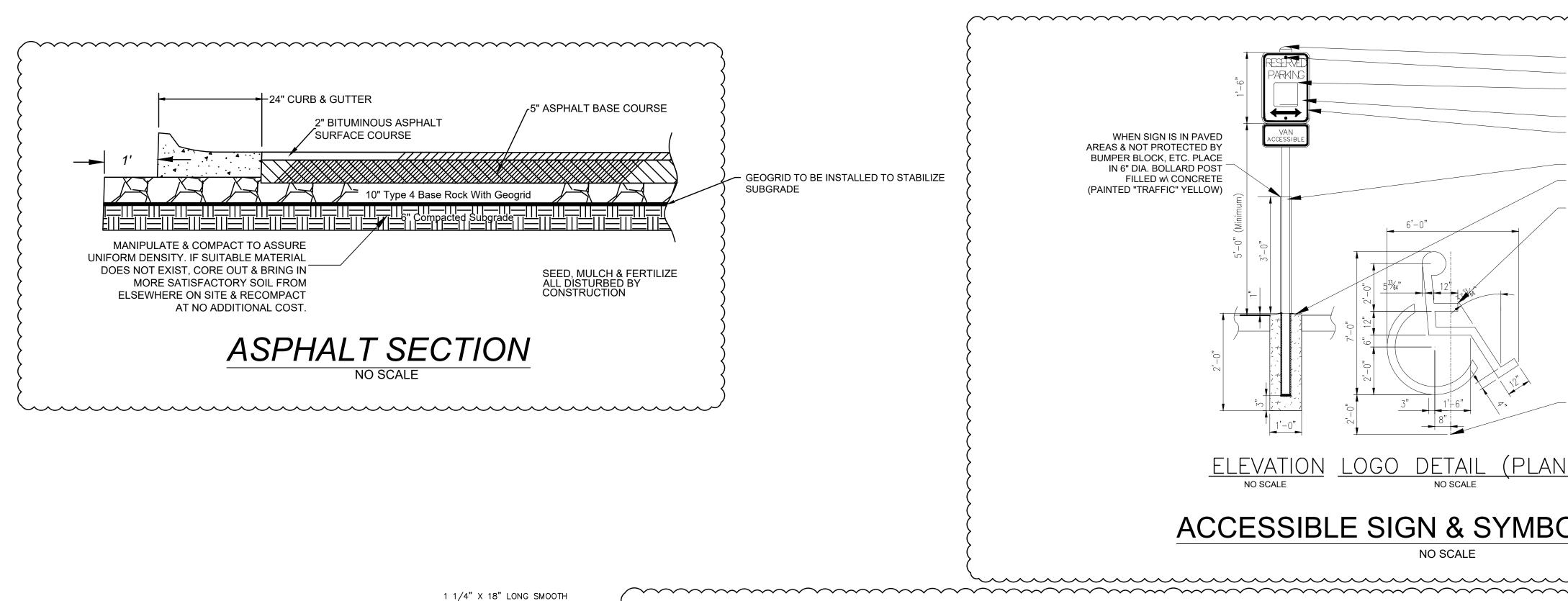


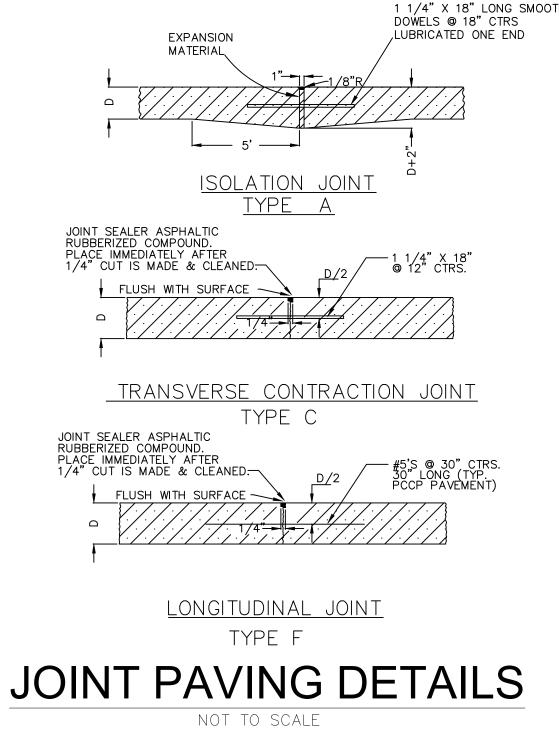




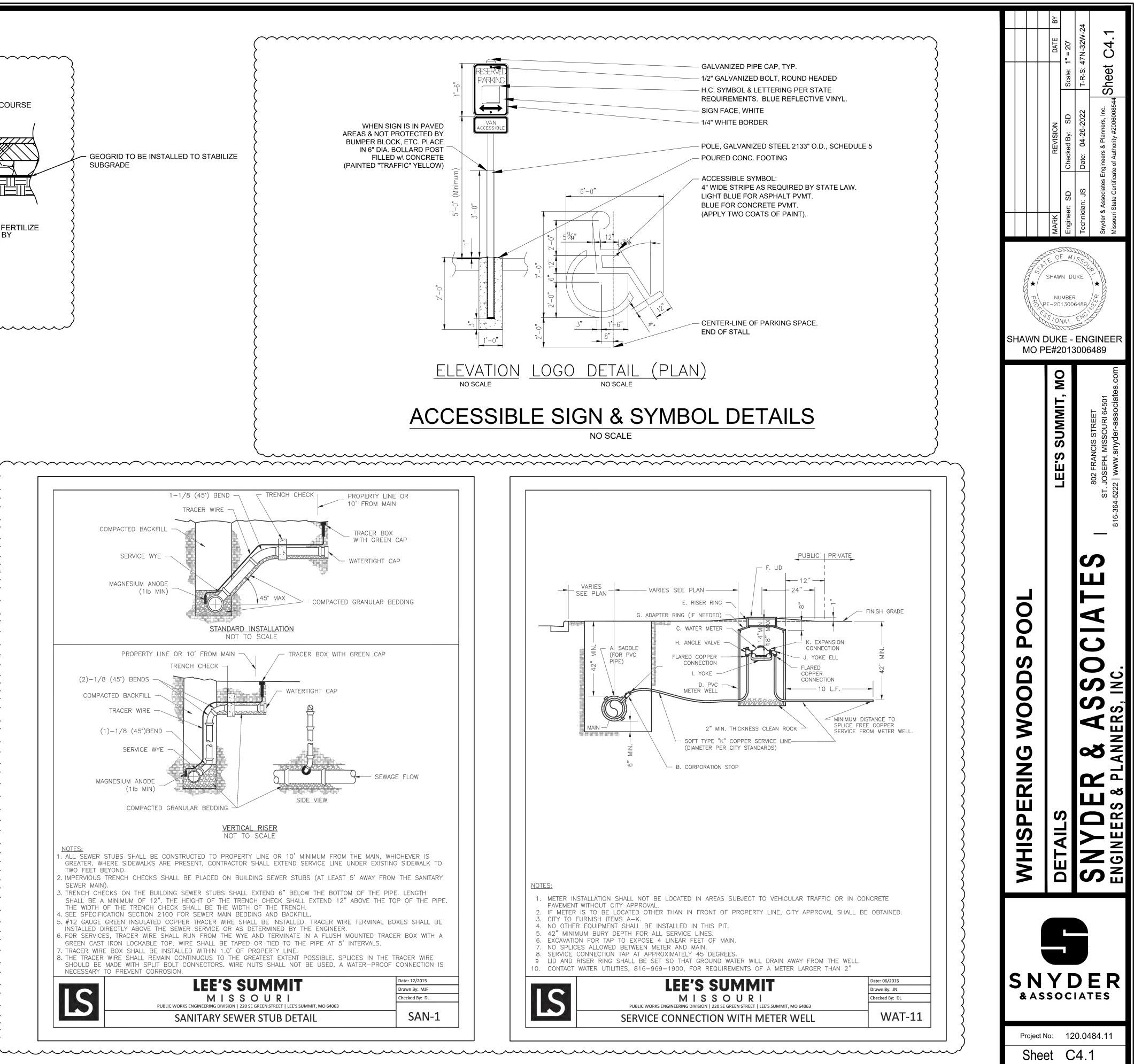
Construction Fence (optional)		
Slope	- Vehicle Control	Tracking
<u>ETE WASHOUT</u>		
ERICAN PUBLIC	WORKS	ASSOCIATION
		NSAS CITY RO CHAPTER

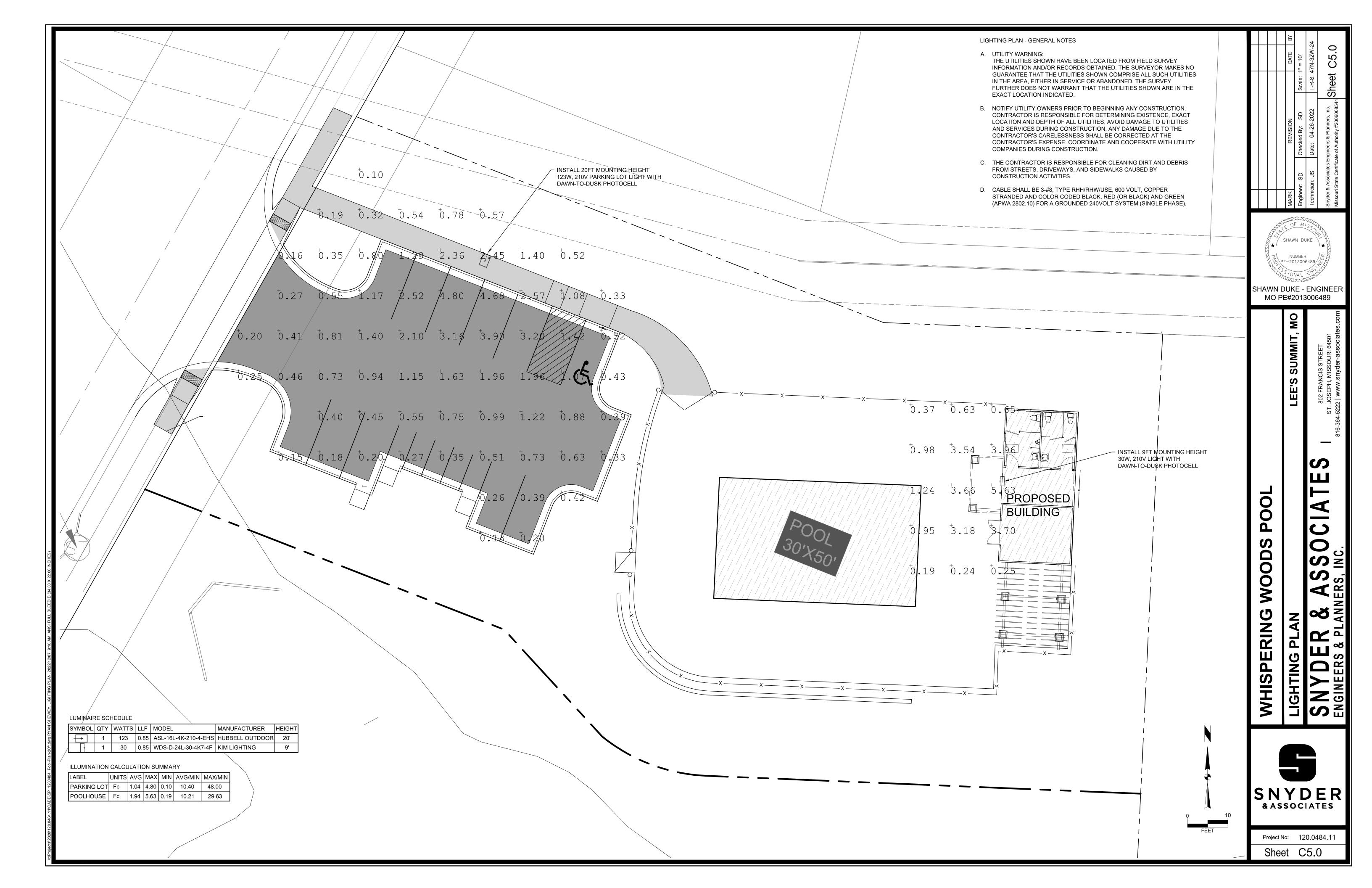


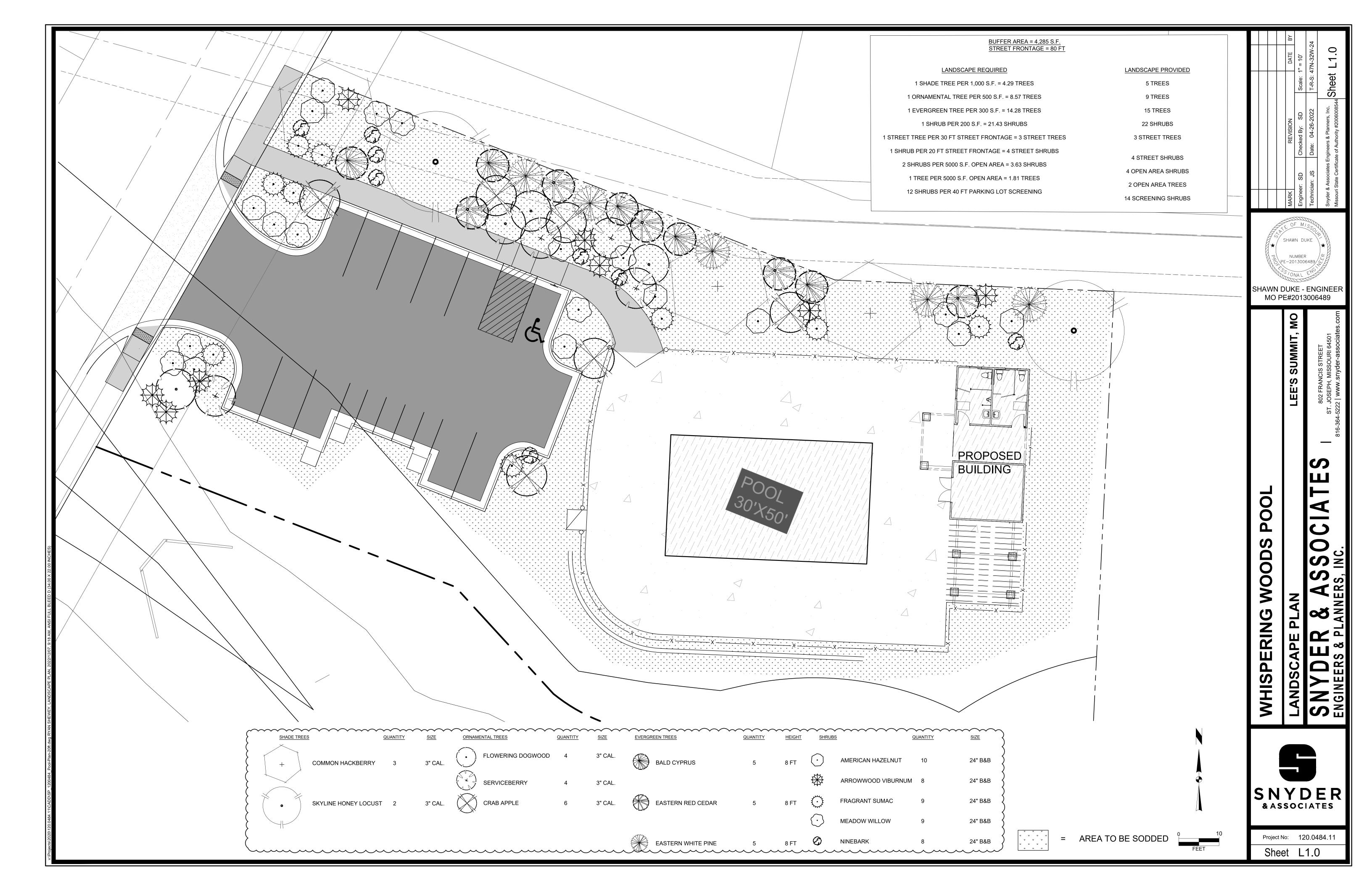




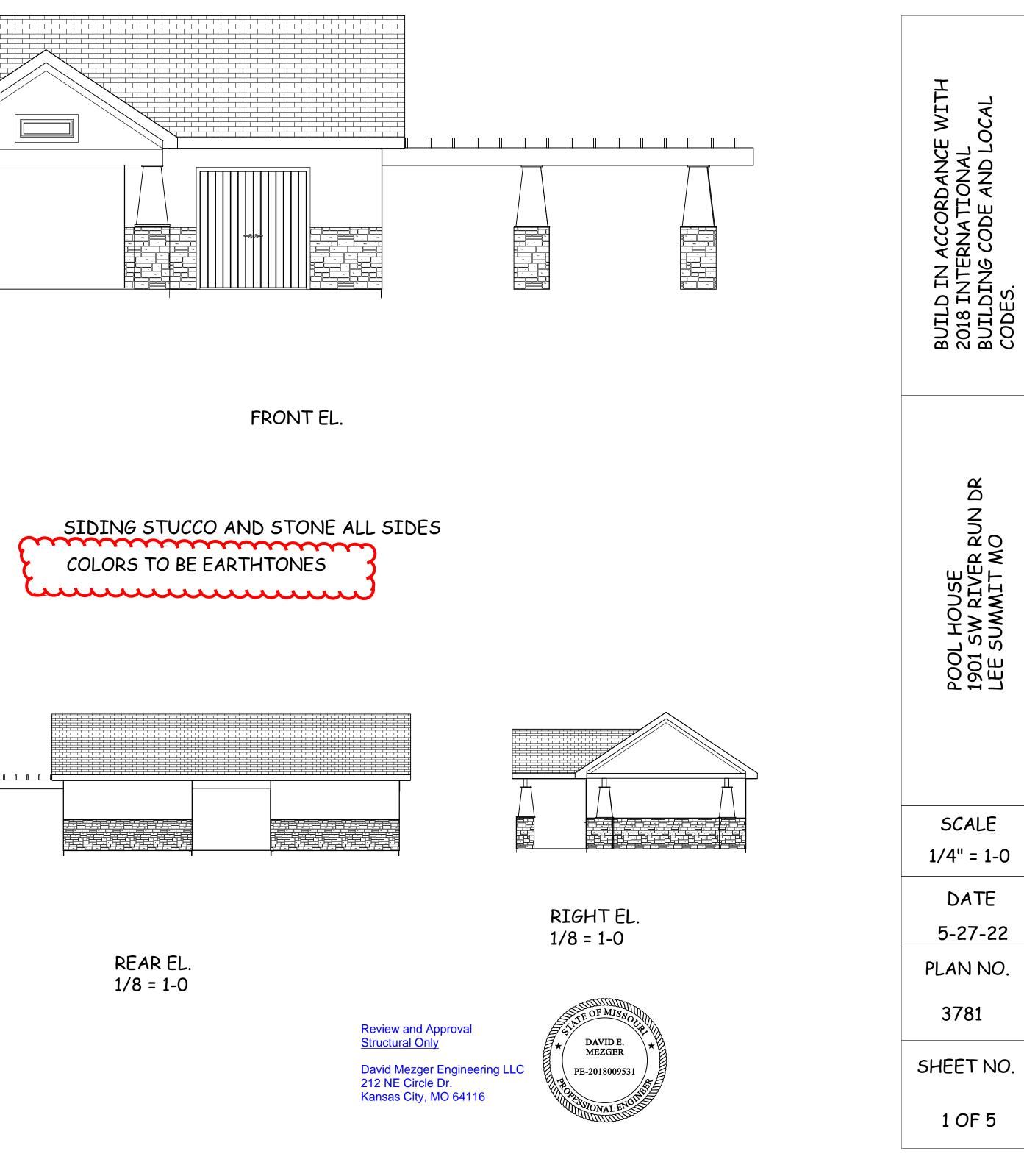


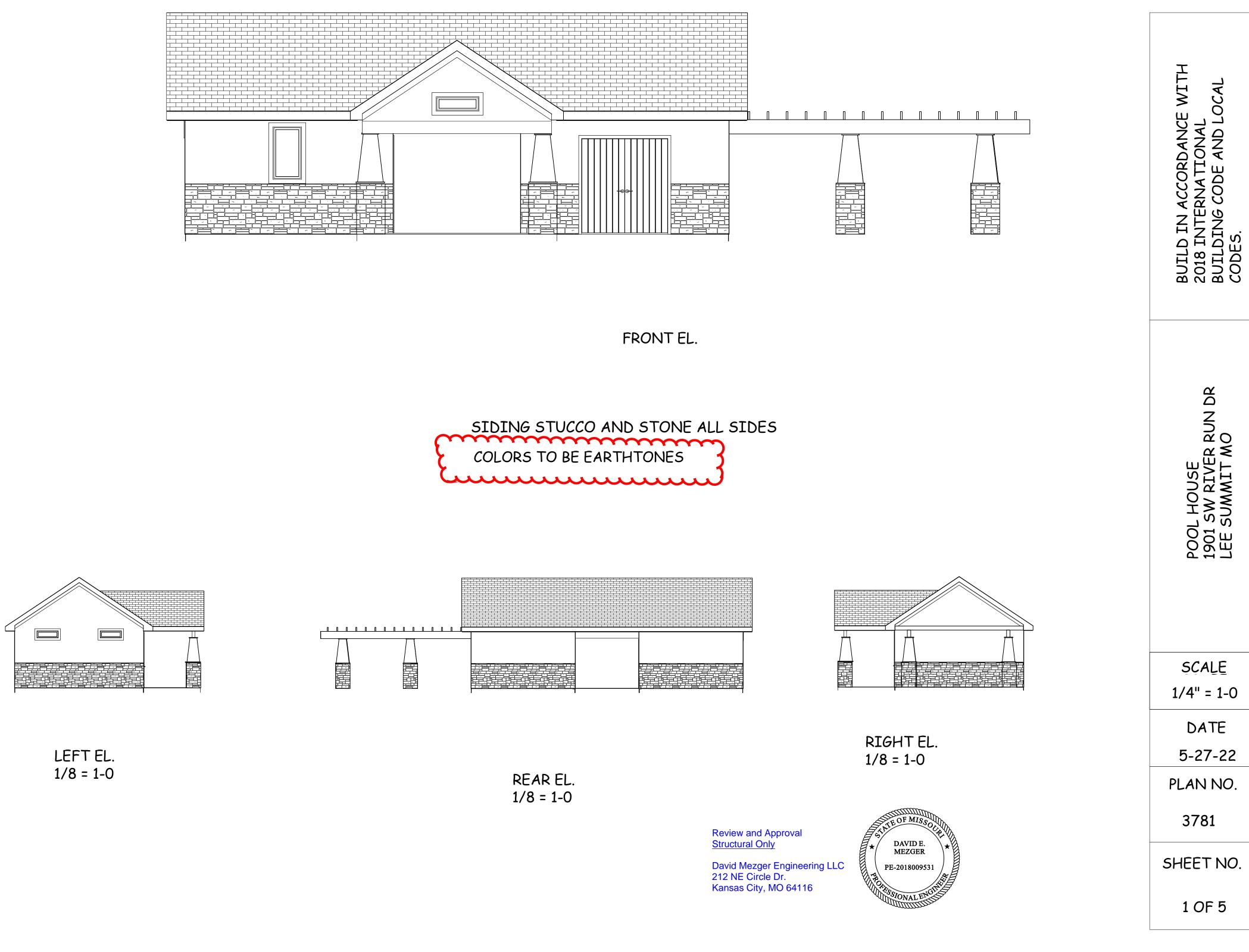


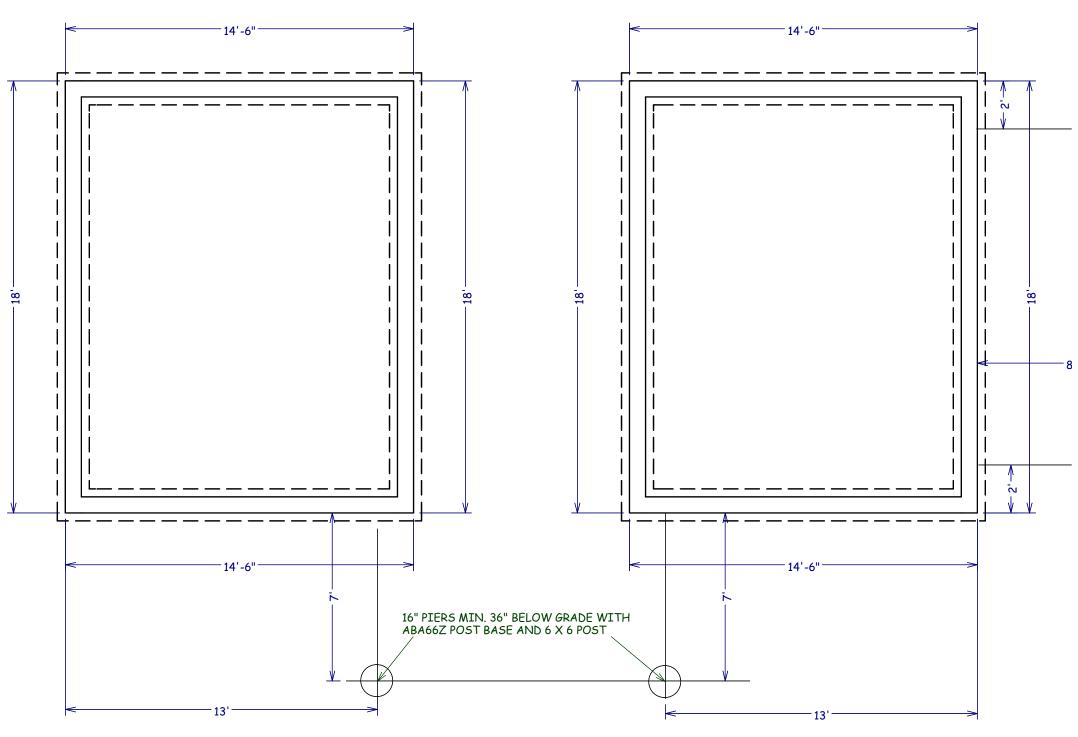












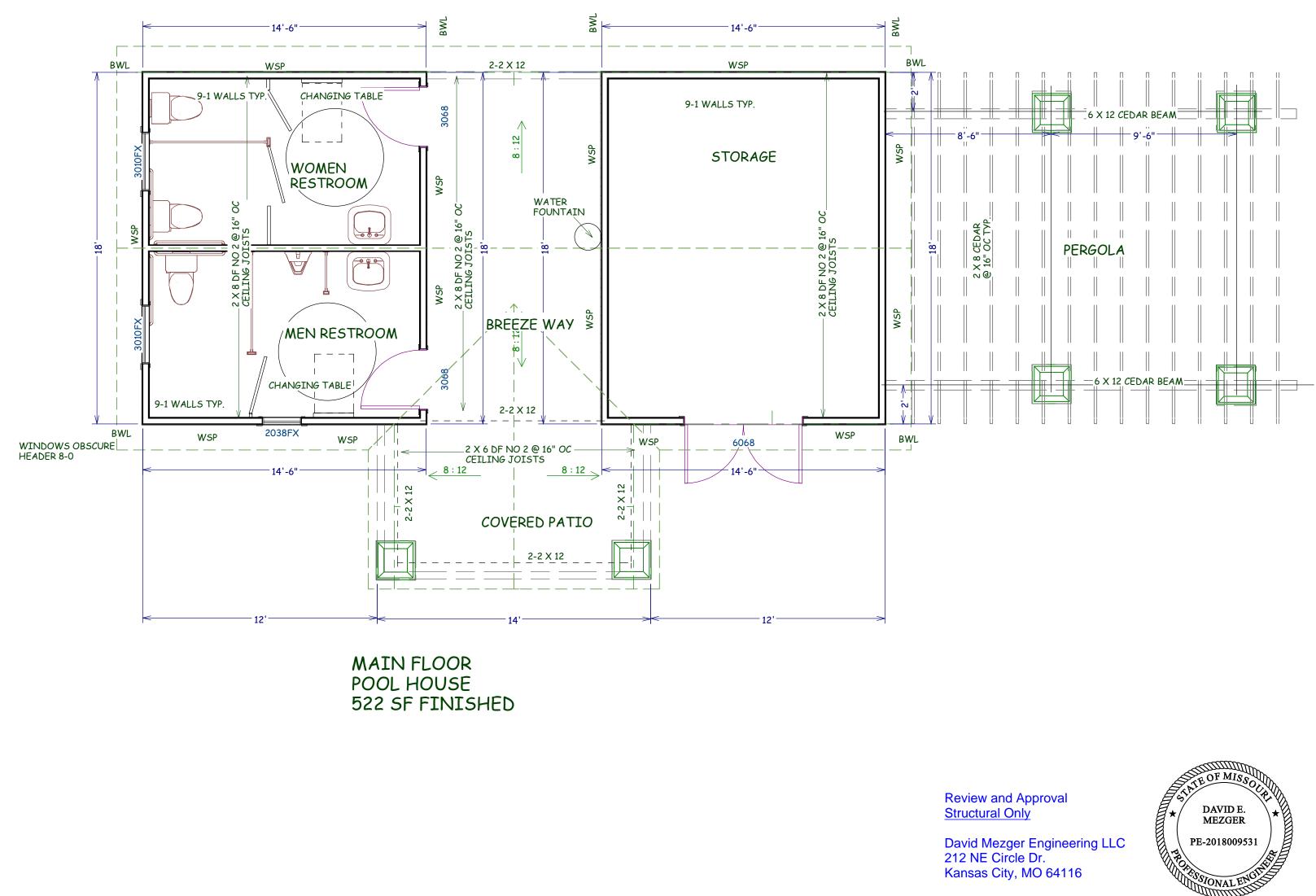


Review and Approval <u>Structural Only</u>

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
PLAN NO.
3781
SHEET NO.
2 OF 5



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.
3 OF 5

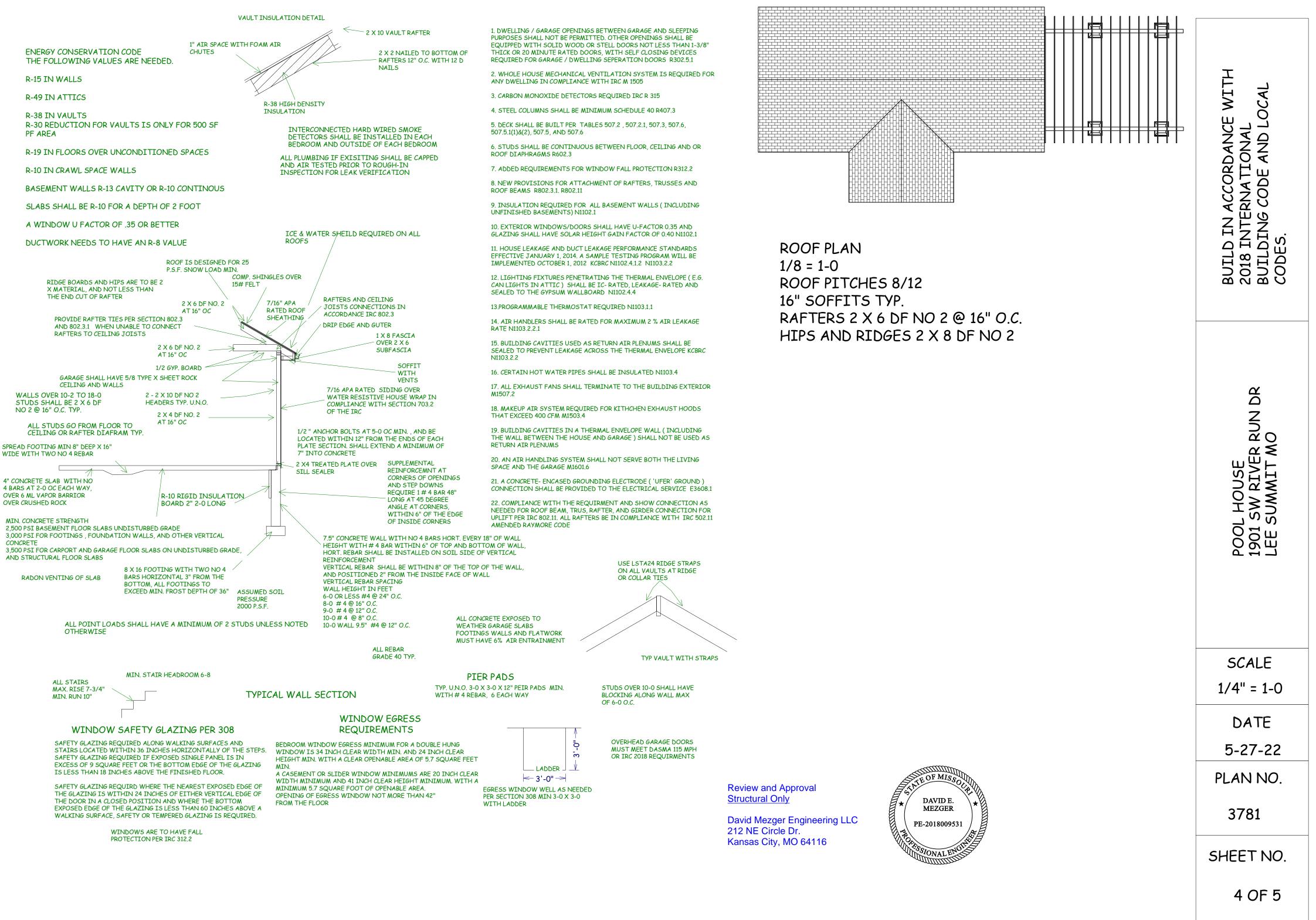
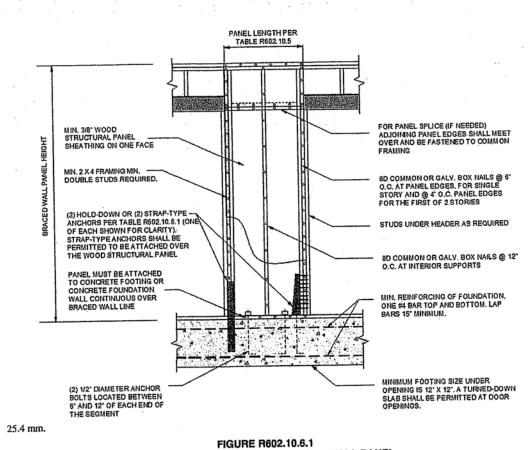
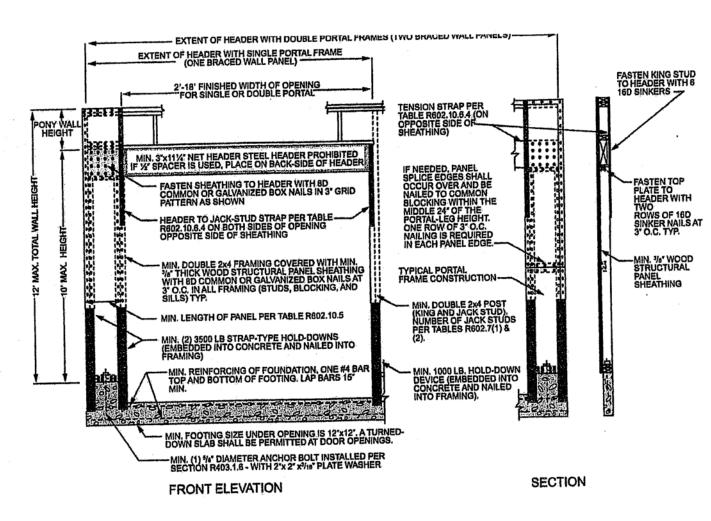


TABLE R602.10.3(1) BRACING REQUIREMENTS BASED ON WIND SPEED											
EXPOSURE CA SD-FOOT MEAN 10-FOOT WALL 2 BRACED WA	N ROOF HEIGHT L HEIGHT	14	MINIMUM Re	TOTAL LENGTH (FEE QUIRED ALONG EAC	et) of Braced Wall CH Braced Wall Lini	PANELS 2'					
Ultimate Design Wind Speed (mph)	Story Location	Braced Wall Line Spacing® (feet)	Method LIB ^b	Method GB	Methods DWB, W8P, 8FB, PBS, PCP, HPS, BV-W8P, ABW, PFH, PFC, CS-SFB	Methods CS-WSP, CS-G, CS-PF					
		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					
		10	NP	10.0	6.0	5.0					
		20	NP	18.5	11.0	9.0					
		30	NP	27.0	15.5	13.0					
	I H	40	NP	35.0	20.0	17.0					
		50	NP	43.0	24.5	21.0					
	(1999A)	60	NP	51.0	29.0	25.0					



METHOD ABW-ALTERNATE BRACED WALL PANEL



4 mm, 1 foot = 304.8 mm.

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

	BRACING METHODS										
	T			CONNECTION CRITER	A* 1						
MET	HODS, MATERIAL	MINIMUM THICKNESS	FIGURE	Fasteners	Spacing						
T		1 × 4 wood or approved metal straps	RUUUUUUU		Wood: per stud and top and bottom plates						
	Let-in-bracing	at 45° to 60° angles for 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 $(2^{1}/_{2}" \log \times 0.113" \text{ dia.})$ nails or 2 - $1^{3}/_{4}"$ long staples	Per stud						
ł	WSP			Exterior sheathing per Table R602.3(3)	6" edges 12" field						
	Wood structural panel (See Section R604)	3/ ₈ "		Interior sheathing per Table R602.3(1) or R602.3(2)	Varies by fastener						
ethods	BV-WSP [*] Wood structural panels with stone or masonry veneer (See Section R602.10.6.5)	"/ 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						
Bracing M	SFB Structural fiberboard sheathing	¹ / ₂ " or ²⁵ / ₃₂ " for maximum 16" stud spacing		$1^{1}/_{2}^{"}$ long × 0.12" dia. (for $1^{1}/_{2}^{"}$ thick sheathing) $1^{3}/_{4}^{"}$ long × 0.12" dia. (for $2^{2}/_{32}^{"}$ thick sheathing) galvanized roofing nails	3" edges 6" field						
Intermittent Bracing Methods	GB Gypsum board	1/2"		Nails or screws per Table R602.3(1) for exterior locations Nails or screws per Table R702.3.5 for interior locations	For all braced wall panel locations: 7" 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'/ ₂ " long × 0.131" dia.) nails	3" edges 6" field						
	PCP Portland cement plaster	See Section R703.7 for maximum 16" stud spacing		$1\frac{1}{2}$ " long, 11 gage, $7\frac{1}{16}$ " dia. head nails or $7\frac{1}{8}$ " 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 ¹ / ₂ " penetration into studs	4" edges 8" field						
	ABW Alternate braced wall	3/8"		See Section R602.10.6.1	See Section R602.10.6.1						

1	MINIMUM LEN	MINIMUM LENGTH* (Inches)					C
	ETHOD le R602.10.4)			Wall Height			
(-	8 feet	9 feet	10 feet	11 feet	12 feet	
DWB WSP SEB P	BS, PCP, HPS, BV-WSP	48	48	48	53	58	
Din B, 1101, 012, 1	GB	48 48 48 53 58			L Sin		
	LIB	55	62	69	NP	NP	
;	SDC A, B and C, ultimate design wind speed < 140 mph	28	32	34	38	42	
ABW	SDC D ₀ , D ₁ and D ₂ , ultimate design wind speed < 140 mph	32	32	34	NP	NP	
	24	27	30	33	36		
	Adjacent clear opening height (inches)						
	≤ 64	24	27	30	33	36	
	68	26	27	30	33	36	
	72	27	27	30	33	36	
	76	30	29	30	33	36	1
	80	32	30	30	33	36	
	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	
	104		49	43	40	39	
	108		54	46	43	41	1
	112		-	50	45	43	_
	116			55	48	45	_
	120		-	60	52	48	
	124	_	-	-	56	51	_
	128	—	-	-	61	54	
	132		-		66	58	
	136	-		-	-	62	
	140		-	-		66	_
	144					72	+-
	METHOD			ortal header	11 feet	12 feet	-
(See T	able R602,10.4)	8 feet	9 feet	10 feet	Note c	Note c	+
PFH	Supporting roof only	16	16	24	Note c	Note c	
	Supporting one story and roof		24	30	Note d	Note d	_
	PFG	24		20	Note e	Note e	_
CS-PF	SDC A, B and C	16	18	20	Note e	Note e	
For SI: 1 inch = 25,4 mm,	SDC D ₀ , D ₁ and D ₂	16	18	20	THUEE	110100	

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.

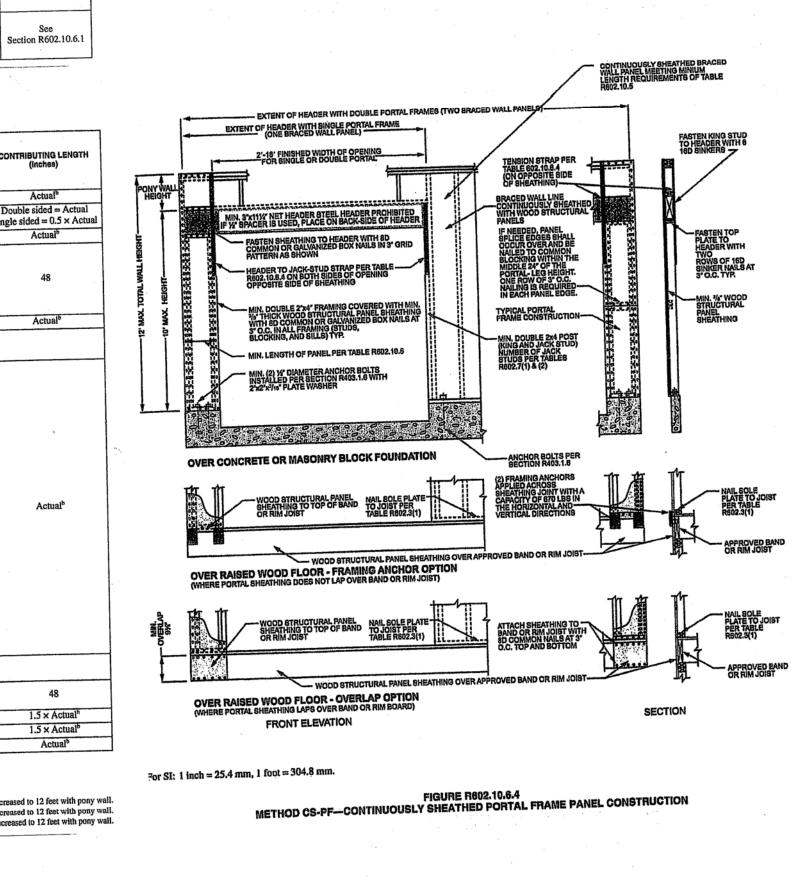
BRACE WALL DETAILS WIND SPEED 115 MPH WIND EXPOSURE A SEISMIC DESIGN CAEGORY A

TABLE R602.10.4 BRACING METHODS

-			~ *	
- ΤΑ	HI.E.	H602.1	11.0-	-continu
	00	ACING	AACT	JONE

				CONNECTION CRITERIA			
M	ETHODS, MATERIAL	MINIMUM THICKNESS	FIGURE	Fasteners	Specing		
g Methods	PFH Portal frame with hold-downs	3/s"		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	CS-WSP		Exterior sheathing per Table R602.3(3)	6" edges 12" field		
s	Continuously sheathed wood structural panel	3/ ₈ "		Interior sheathing per Table R602.3(1) or R602.3(2)	Varies by fastener		
Sheathing Methods	CS-G ^{5, c} Continuously sheathed wood structural panel adjacent to garage openings	³/g"		See Method CS-WSP	See Method CS-WSP		
Continuous Sh	CS-PF Continuously sheathed portal frame	CS-PF timuously 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 $\frac{25}{22}$ " 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.
c. Garage openings adjacent to a Method CS-O 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.



ACCORDANCE WITH TIONAL AND 2018 INTERNATI(BUILDING CODE / CODES. Z BUILD 2018 IN BUILDI CODES DR OL HOUSE 1 SW RIVER RUN E SUMMIT MO 901 S Δ

A

0C

SCALE 1/4" = 1-0 DATE 5-27-22 PLAN NO. 3781 SHEET NO. 5 OF 5

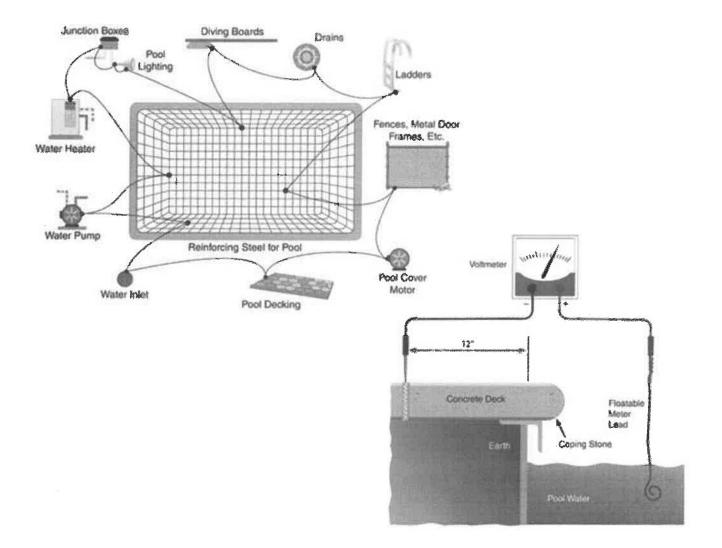
Review and Approval Structural Only

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



Structual ent Away Monvolithic poused 30×34 30×50 CONCRETE POOL DECK W 6x6 10/10 WAF &' THICK CONCRETE WALL OI 14 VERT. J-REBAR @ 18" O.C. 0 THOROSEAL OVER POOL PLATER ON WALLS AND FLOOR M HORIZ REBAR & 18" O.C .-NON-EXPANSIVE SOIL FOR BACKFILL EPOXY JOINT SELANT FOR CONCRETE "BLUE AND WHITE" 0 *4 REBAR # 18" O.C. #4 REBAR & 18" O.C .-8" Courste 4000 P. 5 CONCRETE POOL WALL SECTION 51.1 NTS 50,000 gAllow 4 Skimmer = 2 pumps 2 T' 2 Fiters 6 L Fiters 6 Lights 6 Lights 6 hour turnover 4 3 tread hadders

Bowding grid



BADU[®] Pro UVS Series

SPECK X

Self-Priming High Flow Pump

Our flagship pump, the BADU® Pro was designed with pool service pros in mind. A drop-in *"eplacement for both the Hayward"* Super Pump" and Pentair[®] SuperFlo[®], it directly replaces the majority of pumps on the market.

Features

- The BADU Pro pump series saves you time & money while making vour life simpler.
- Easily serviceable 4-bolt design & handle
- Lid lock ring that incorporates handles. These handles provide the user with a convenient way to easily remove the lid.
- Suction and Discharge comes equipped with quick disconnect unions as well as internal threads for easy installation and maintenance.
- Every pump is wet tested before leaving the Speck factory. Available with Variable Speed motors in 1.65, 2.25 and 2.7 THP. All variable speed models are equipped with an LED light in the
- basket lid, for ease of maintenance. Most variable speed models are Energy Star compliant and gualify
- for all applicable utility rebates.
- Variable Speed Motors also come with digital inputs, for easy connection to automation.
- All Models are additionally available with our Universal Automation Control Board, allowing for seamless communication with all major equipment manufacturers.
- The models use our imported French 20mm seal, allowing the pump to run dry for up to an hour.
- Most models can be ordered with 1.5" or 2.0" fittings.



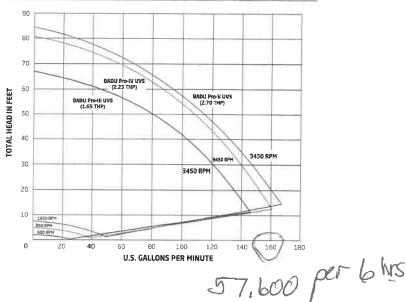
BADU Pro-III UVS

Trademarks and Certifications



Select BADU Pro models are ENERGY STAR certified

Performance Curves



Part Numbers

Variable or Multi-S	peed - Energy Star						5	1,600
Order #	Model #	THP	WEF	HHP	Volts	Amps	Motor/Frame	Port Size
Standard Models								
IG385-V165T-TUS	BADU Pro-III UVS	1.65	8.9	1.009	230/115	6.8/13.6	ODP/55	2.0"
IG385-V225T-TUS	BADU Pro-IV UVS	225	7.616	1.354	230	9.5	ODP/56	2.0"
TG385-V270T-TUS	BADU Pro-VUVS	2.17	7.766	1.405	230	11.1	ODP/56	2.0"
North Contraction of the second secon								

<u>Models with Universal Automation Control Board</u>										
IG385-V165T-TCB	BADU Pro-III UVS	1.65	8.9	1.009	230/115	6.8/13.6	ODP/56	2.0"		
IG385-V225T-TCB	BADU Pro-IV UVS	2.25	7.616	1.354	230	9.5	ODP/56	2.0"		
IG385-V270T-TCB	BADU Pro-V UVS	2.7	7.766	1.405	230	11.1	ODP/56	2.0"		

NOTE: The BADU Pro-IV UVS Model is not listed on Energy Star

pyward® & Super Pump® are trademarks and/or registered trademarks of Hayward Industries, Inc.

entair® & SuperFla® are trademarks and/or registered trademarks of Pentair Inc. and/or its affiliated companies.



Triton II Side Mount Filter (Unions not included)

The original and still the industry standard. Our process creates a one-piece, fiberglass reinforced tank with UV resistant surface finish for years of strength and durability. This method locks in fiberglass, preventing fibers from "blooming" under harsh conditions.

Turnover Capacity (In Gal.) **Filter Media** Effective Flow All Filtration Ctn Ctn Wt. Product Model Rate Pea Sand Sand Req'd Area 8 10 12 Qty. (Lbs.) (GPM Comm) Gravel Req'd Req'd (Lbs.) (Sq. Ft.) Hour Hour Hour (Lbs.) (Lbs.) TRITON II SAND FILTERS 140236 TR 40 1.92 38 18,240 22,800 27,360 50 125 175 1 25 140264 TR 60 3.14 63 30,240 37,800 45,360 75 250 325 40 1 (140210 TR 100 4.91 74 35,520 44,400 53,280 150 450 600 1 65 TR 140 140243 7.06 106 50,880 63,600 76,320 275 650 925 1 75 TRITON II VALVE OPTIONS 261173 1-1/2 in. MPV, for sand filters (SM 10-3) 1 6 263079 2 in. PVC Slide valve w/o plumbing, for D.E. & sand filters 1 3 261049 2 in. HiFlow valve, no plumbing 1 7 261050 2 in. HiFlow w/ plumbing, for sand filters 1 11 261055 2 in. MPV, for sand filters (SM 20-3) 10 1 263064 Push Pull 7-1/2 in. Center Valve, Almond PVC 1 5 263080 Valve for Sand and Quad D.E., inlet port on top, Pentair 2 in. unions glued on XF Valve 10

Ordering Information

Featured Highlights

- Heavy-duty closure provides easy inspection, and features an easy-to-read pressure gauge with air relief valve
- Swing-away diffuser allows instant access to sand and all internal parts
- · All internal parts are threaded for ease of service
- · Internal air bleed
- Bulkhead connectors are threaded for easy installation and service
- Combination sand and water drain makes servicing and winterizing fast and easy
- Maximum Operating Pressure 50 psi

CALIFORNIA PROPOSITION 65 WARNING

▲ WARNING: Cancer and Reproductive Harm. ▲ AVERTISSEMENT: Peut Causer le Cancer et des Dommages au Système Reproducteur. ▲ ADVERTENCIA: Cáncer y Daño Reproductivo. www.p65warnings.ca.gov.

¹ Valves must be purchased separately.

Note: Operating Limits - maximum continual operating pressure of 50 PSI. Maximum operating water temperature (internal filter) 104°F (40°C).

See page 387-388 for replacement parts.

. . . HIGH PERFORMANCE NICHELESS DESIGN



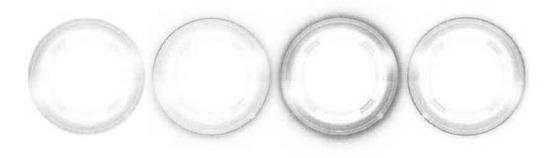
TECHNICAL GUIDE

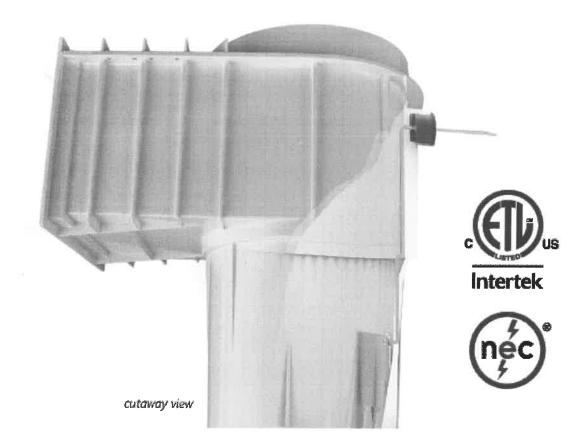
- ETL Certified
- Available in 11 or 8 watt configurations
- Nicheless non-metallic design; no bonding; no grounding
- Standard model includes nine colors & five light shows
- 12V AC transformer required (not included)
- 140 degree beam angle
- Water-cooled with heat conductive PPS body
- 4" minimum water depth
- Wall or floor installation
- Clear gunite fitting with integrated waterstop
- Retrofit in most 1.5" wall fitting
- Durable, bayonet-style quarter turn installation
- 4.5" body with 6" watertight quick disconnect IP68 cord
- Synchronize with other popular pool OEM lighting systems













(https://www.c-m-



p.com/wp-content/uploads/2016/10/25520-050-

020-plug.jpg)

GET DETAILS

C

2" NPT PLUG

25520-050-020 2" NPT Plug; White

close

POWERCLEAN® TAB OFFLINE

PRODUCT FEATURES

- 2.5 3" Pipe Adapter Sizes
- Larger Hose Than Other Brands
- Includes Base, Two Mounting Brackets and Tubing plus 3/4" Fittings for Hard Plumbing Installation





SPECIFICATIONS

POOL SIZE	5,000 - 50,000 GALLONS	
CAPACITY	TWELVE 3" TABS / 5LBS OF 1" TABS	
FLOW INDICATOR	•	
UNIONS INCLUDED	•	
GLASS LID OPTION	•	

REF	CMP P/N	DESCRIPTION	CLAMP SIZE	LID STYLE	BO) OT)
A	25280-300-000	POWERCLEAN TAB ULTRA OFF-LINE CHLORINATOR	1.5" - 2"	CLEAR GLASS	6
A	25280-309-000	POWERCLEAN TAB ULTRA OFF-LINE CHLORINATOR	1.5" - 2"	CLEAR PLASTIC	6
A	25280-310-000	POWERCLEAN TAB ULTRA OFF-LINE CHLORINATOR	1.5" - 2"	WHITE	6
	25280-300-300	POWERCLEAN TAB ULTRA OFF-LINE CHLORINATOR	2.5* - 3″	CLEAR GLASS	
	25280-309-300	POWERCLEAN TAB ULTRA OFF-LINE CHLORINATOR	2.5" - 3"	CLEAR PLASTIC	
	25280-310-300	POWERCLEAN TAB ULTRA OFF-LINE CHLORINATOR	2.5" - 3"	WHITE	
В	25280-300-200	POWERCLEAN TAB ULTRA OFF-LINE HOSE CLAMP ASSEMBLY	1.5" - 2"		
В	25280-300-990	POWERCLEAN TAB ULTRA OFF-LINE HOSE CLAMP ASSEMBLY	2.5*		50
B	25280-300-900	POWERCLEAN TAB ULTRA OFF-LINE CLAMP KIT	3"	-199 ANY	100

WARNING: NEVER MIX CHLORINE AND BROMINE