

CROSS SECTION

CUBIC FEET PER SECOND

CORRUGATED METAL PIPE

DOUBLE CURB INLET

DUCTILE IRON PIPE

ESMT

ELEV

FTG

FLOOR DRAIN

FLOW LINE

FOOTING

NTS

OC

NOT TO SCALE

ON CENTER

OVERHEAD

CROSSING

CURB INLET

CLEANOUT

CLEANOUT

CONCRETE

DIAMETER

DISCHARGE

CURB & GUTTER

CFS

C&G

AREA INLET

BENCHMARK

BUILDING

CABLE TELEVISION

CALCULATED

CENTERLINE

CLAY PIPE

CAST IRON PIPE

ATG

ASPH

BLDG

CATV

CALC

CIP

APPROX

ADJUST TO GRADE

BASE OF WALL ELEVATION

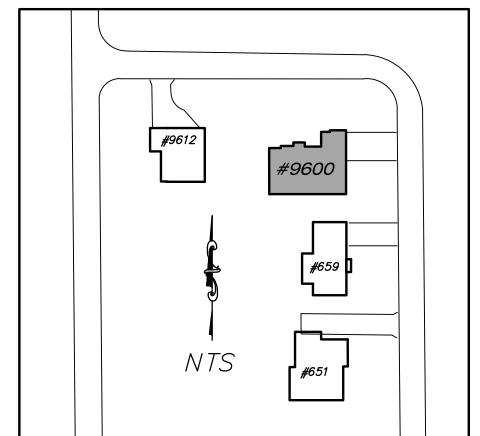
BEST MANAGEMENT PRACTICE

APPROXIMATELY

SHEET INDEX

1. SITE DEVELOPMENT PLAN 2. EXISTING CONDITIONS & DEMOLITION PLAN 3. DRAINAGE AREA MAP/BMP PLAN

4. STREETSCAPE



KEYED NOTES

1 UNIT FLO-WELL STORAGE SYSTEM. ROCK AREA = 16' L X 11' W X 4.42' D, TOP=656.88 (MIN. 10' OFF SEWER LATERAL, FOUNDATION WALL AND P.)

DOWNSPOUT (TYP). FILTER AND CLEANOUT MECHANISMS TO BE INSTALLED AT ALL DOWNSPOUTS
DISCHARGING INTO THE FLO-WELL
SYSTEM

4" PVC ROOF DRAIN PIPING TO BE A MIN. 1% PIPE SLOPE.

POP-UP EMITTER, TOP=655.45 (MIN. 10' OFF P2)

4" PVC SUMP PUMP DRAIN PIPING TO BE A MIN. 1% PIPE SLOPE.

6 4'X4' CONCRETE LANDING

6" PVC LATERAL, MIN. 2% PIPE SLOPE TO WYE CONNECTION, FL=648.28

10' W X 16' L WOOD DECK WITH STAIRS

SUMP PUMP TO DISCHARGE TO POP-UP EMITTER, TOP=659.70



UNDERGROUND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE INFORMATION AND THEREFORE THEIR LOCATIONS SHALL BE CONSIDERED APPROXIMATE ONLY. THE VERIFICATION OF THE LOCATION OF ALL UNDERGROUND UTILITIES, EITHER SHOWN OR NOT SHOWN ON THESE PLANS, SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR, AND SHALL BE LOCATED PRIOR TO ANY GRADING AND/OR CONSTRUCTION OF IMPROVEMENTS.

DOUBLE AREA INLET TO BE PROTECTED PAVEMENT GRATE INLET PVMTDOWNSPOUT TO BE REMOVED HDPEHIGH DENSITY POLYETHYLENE PERMANENT DRAINAGE TO BE REMOVED & RELOCATED EASEMENT EASEMENT HIGH WATER ELE VA TION PVCPOLYVINYL CHLORIDE TO BE REMOVED & REPLACED HYDRAULIC GRADE LINE END OF PIPE PCCPORTLAND CEMENT CONCRETE TOP OF WALL ELEVATION HYDRANT EXISTING PRECAST CONCRETE TYPICAL *IMPROVEMENT* FEET PER SECOND PROPOSED USE IN PLACE PROP IRON PIPE OR PIN FINISH FLOOR RAILROAD VITRIFIED CLAY PIPE LAND SURVEYOR FIRE HYDRANT RCPREINFORCED CONCRETE PIPE WATER VALVE MANHOLE ROWFLARED END RIGHT-OF-WAY YARD DRAIN METROPOLITAN ST. LOUIS SEWER FLAT BOTTOM DITCH SCH SCHEDULE DISTRICT

STORMWATER POLLUTION

PREVENTION PLAN

TO BE ABANDONED

CY PARK DHIWHIA E STACY DR N.T.S.

LOCATION MAP

DEVELOPMENT NOTES:

1. Site Address: 9600 Ashmont Drive Olivette, MO 63132 Loc.#17L410424

2. Owner Information: Weber Enterprises, Inc 400 North Park Ave Unit 10B Breckenridge CO 80424

3. Area of Tract: 16,208 Square Feet or 0.37 Acres, more or less.

4. Present Zoning: "SR" Single Family Residential District (Olivette)

Front Yard Setback: 13.76 Feet (12% of lot width) Side Yard Setback:

"SR" Single Family Residential District Dimensional Requirements

Rear Yard Setback: 28.50 Feet (20% of lot depth) 15,000 Square Feet Minimum Site Area: Minimum Lot Width: Minimum Lot Depth: Maximum Lot Coverage: 25% or 2,500 Sq.Ft. whichever is greater 30% or 3,500 Sq.Ft. whichever is greater

5. Utility Provider Districts: AT&T Distribution Telephone: Spire Missouri East

Floor Area Ratio:

6. According to the FIRM Flood Insurance Rate Map 29189C0192 K Dated February 4, 2015, this development is located in Zone X unshaded, Areas determined to be outside the 0.2% chance

Ameren Missouri Electric

7. Existing water tap information: Water tap information per Missouri American Water Co records

Tap Size: 5/8 Tap Date: 06/16/1955

TEST HOLE

Fire District: School District:

8. This is not a boundary survey, boundary information shown hereon is per a survey performed by THD Design Group on October 10, 2021.

9. The existing utilities shown hereon are per observed evidence and available utility maps. All utilities shall be field verified prior to any excavation or construction.

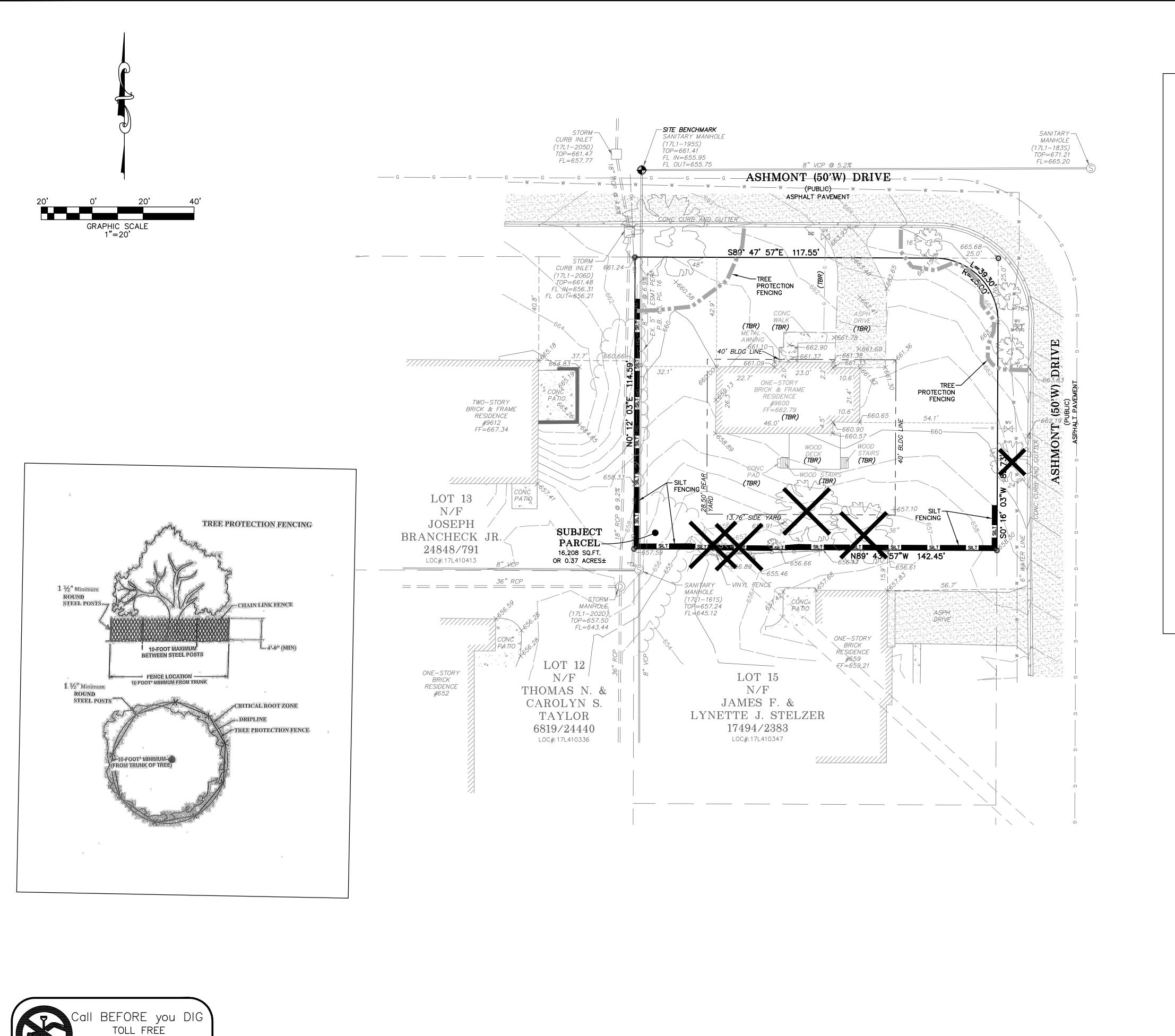
		SYMBOL	LEGEN	D	
EXISTING		PROPOSED	EXISTING		PROPOSED
×	FOUND CROSS		TV	CABLE TV BOX	TV
0	FOUND IRON PIPE		×	LIGHT STANDARD	×
•	SET IRON ROD		8	CLEAN OUT	8
∥ ◆	BENCHMARK		S	SANITARY MANHOLE	S
×500	SPOT GRADE	- 5 00	O ST	SAMPLING TEE	O ST
TS	TRAFFIC SIGNAL BOX	TS	\bigcirc	SEPTIC TANK ACCESS	①
	PHONE BOX		0	STORM SEWER MANHOLE	•
0	UTILITY MANHOLE	0		GRATE INLET	
	BOLLARD	0	0	AREA INLET	0
	MAILBOX	\bowtie	8	DOWNSPOUT	© OS
	SIGN	- o-	~~ ~	DRAINAGE SWALE	
0	POST	o	—516—	SURFACE CONTOUR	<u> </u>
0	SHRUB	0	~~	TREE LINE	~~
3	DECIDUOUS TREE	8	8" PVC	SAN. SEWER	8" PVC
	EVERGREEN TREE		_ <u>12"_CMP</u> _	STORM SEWER	12" CMP
EB	ELECTRIC BOX	EB		OVERHEAD ELECTRIC LINE	: ———
EM	ELECTRIC METER	EM		UNDERGROUND ELECTRIC	
₽	UTILITY POLE	P	G	GAS LINE	G
-•	GUY WIRE	-•	—— w ——	WATER LINE	—— w ——
GM H	GAS METER	GM H		TELEPHONE LINE	
GV ├──	GAS VALVE	⊠	FOL	FIBER OPTIC LINE	FOL
	WATER METER	wm	UTV	CABLE TV	UTV
wv 	WATER VALVE	₩V		GUARDRAIL	. 0 0
类	HYDRANT	×	— х —	WIRE FENCE	
***	WATER SHUT OFF	*50		WROUGHT IRON FENCE	
•	SPRINKLER HEAD	•		CHAIN LINK FENCE	 o
8	IRRIGATION VALVE BOX	\otimes		SANITARY DESIGNATOR	(MH A)
W) TP	WELL	₩ TP		STORM DESIGNATOR	CI 204
11 #		<u>u</u> r			

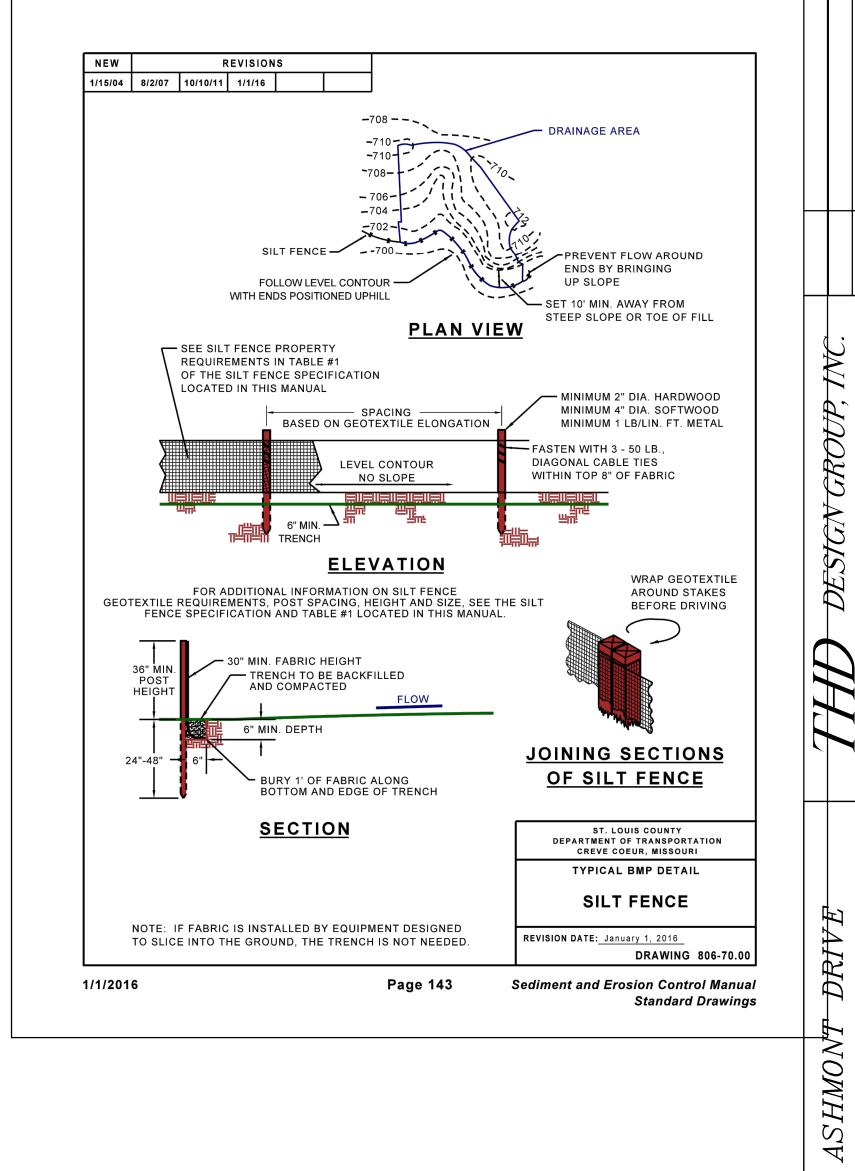
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NUMBER PE-2016001308 Date: <u>Dec 04, 2023</u> Robert Tiemann License No. PE-2016001308 Civil Engineer

PROJECT NUMBER: 21-51 DATE: 12/04/2023 DRAWN BY: MLP

1 OF 4





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Date: <u>Dec 04, 2023</u> Robert Tiemann

License No. PE-2016001308 Civil Engineer

PROJECT NUMBER: 21-510

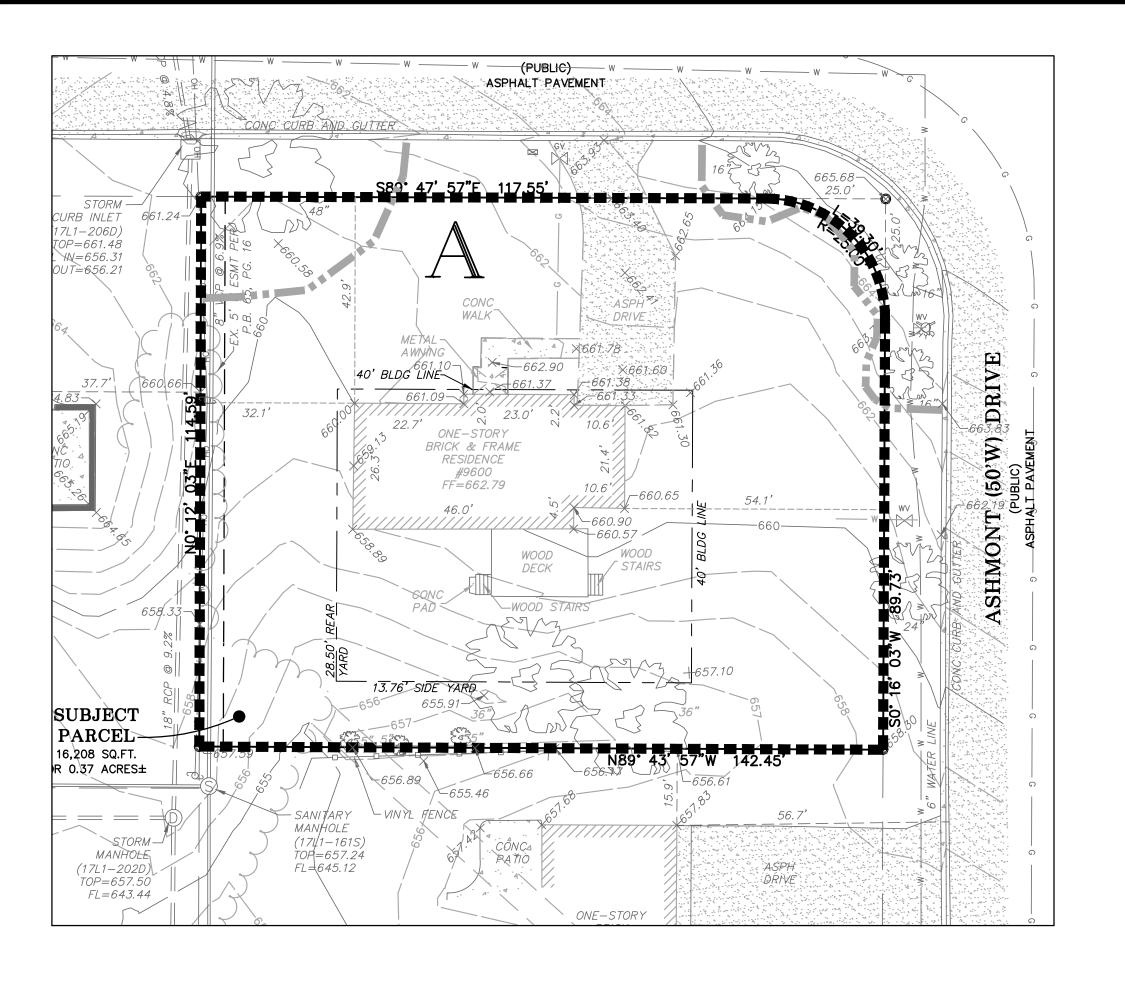
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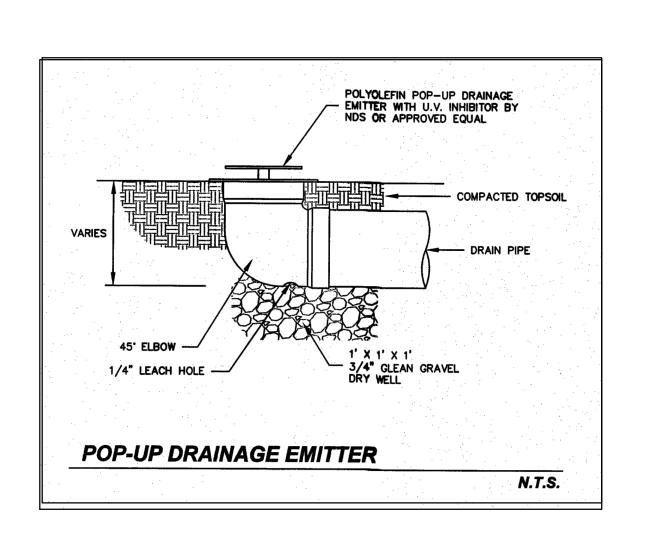
Call BEFORE you DIG TOLL FREE 1-800-344-7483 MISSOURI ONE-CALL SYSTEM, INC.

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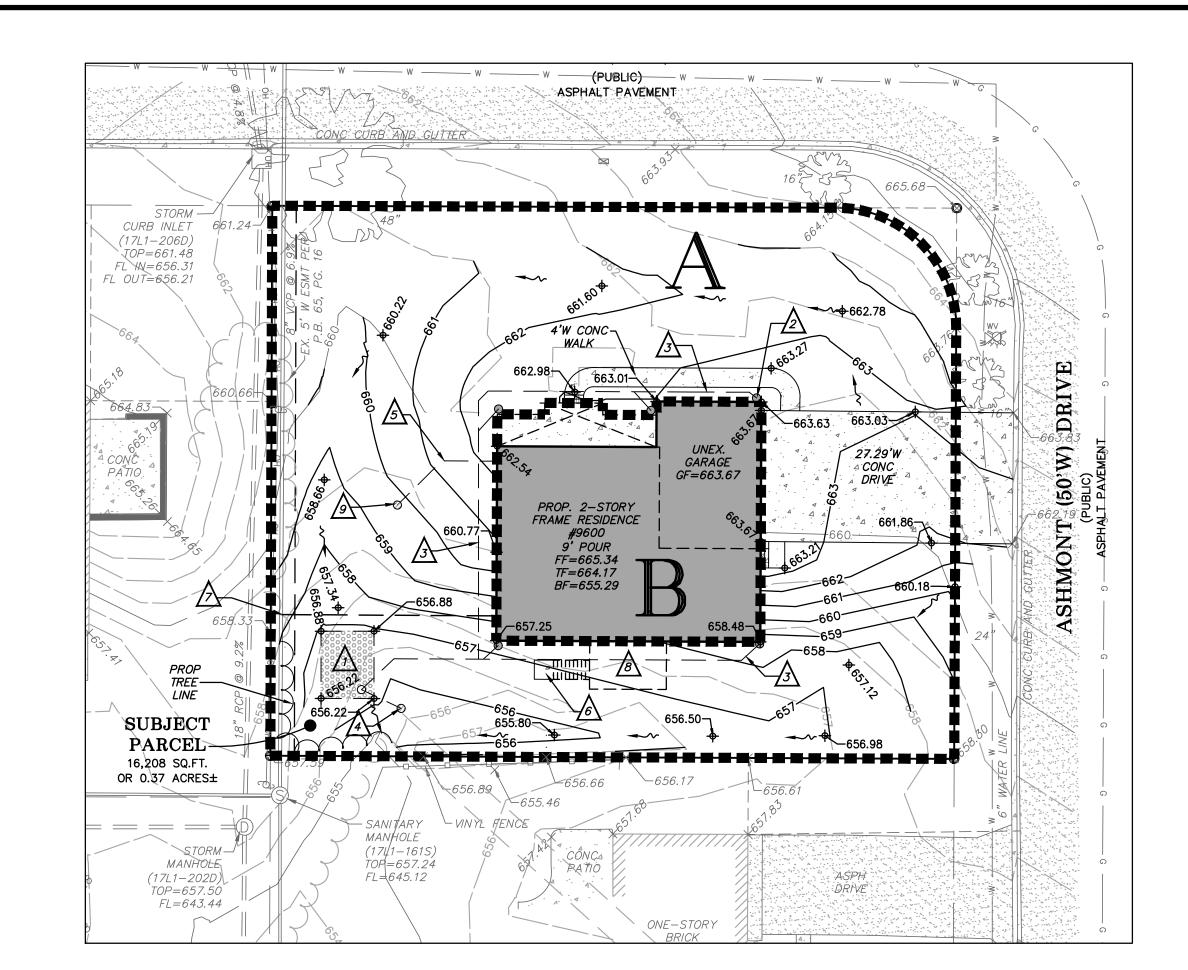
EXISTING DRAINAGE AREAS						RUNOFF				
drainage area	square Feet	Acres	impervious area	percent impervious	P.I. 15yr-20min	P.i. 100yr-20min	15yr cfs	100yr cfs		
А	16,208	0.372	2,432	15%	1.89	2.54	0.703	0.945		

^{*} RUNOFF VOLUMES SHOWN HEREON ARE PER THE COMPONENT RATIONAL METHOD *TIME OF CONCENTRATION ASSUMED AT 20min FOR THE 15yr-20min RAINFALL EVENT



0.218 0.218	cfs	X	20	min	Х	60	sec	=	261.600	C E
		Χ	20	min	Χ	60	sec	=	261 600	CE
1									201.000	C.I .
1	units	Χ	6.28	C.F.	=	6.280	C.F.			
14	Х	11	Х	4.25	=	654.500	C.F.			
654.500	C.F.	-	6.280	C.F.	Χ	40%	=	259.29	C.F.	
6.280	C.F.	+	259.288		C.F.	=	265.568	C.F.		
	654.500	14 X 654.500 C.F. 6.280 C.F.	654.500 C.F	654.500 C.F 6.280	654.500 C.F 6.280 C.F.	654.500 C.F 6.280 C.F. X	654.500 C.F 6.280 C.F. X 40%	654.500 C.F 6.280 C.F. X 40% =	654.500 C.F 6.280 C.F. X 40% = 259.29	654.500 C.F 6.280 C.F. X 40% = 259.29 C.F.

GRAPHIC SCALE 1"=20'



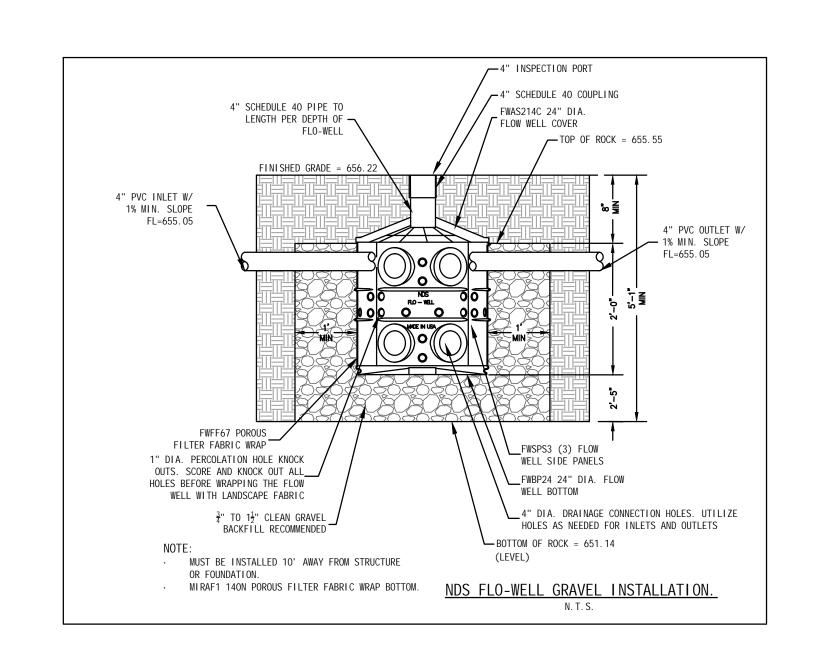
PROPOSED DRAINAGE AREAS						RUNOFF				
drainage area	square Feet	Acres	impervious area	percent impervious	P.I. 15yr-20min	P.i. 100yr-20min	15yr cfs	100yr cfs		
А	13,523	0.310	1,321	10%	1.79	2.42	0.556	0.751		
В	2,685	0.062	2,685	100%	3.54	4.77	0.218	0.294		
* PUNCEE VOLUMES CHOMAN HEREON ARE REPUTIE COMPONENT RATIONAL METHOD										

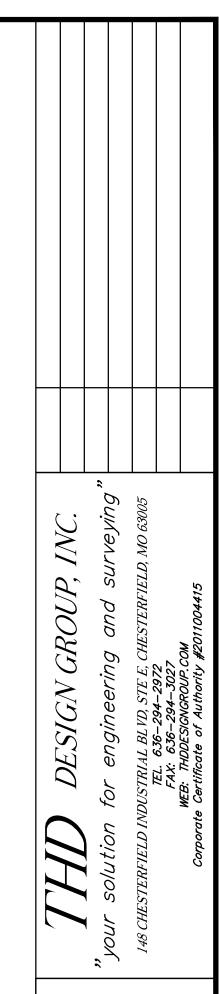
* RUNOFF VOLUMES SHOWN HEREON ARE PER THE COMPONENT RATIONAL METHOD *TIME OF CONCENTRATION ASSUMED AT 20min FOR THE 15yr-20min RAINFALL EVENT

DISCHARGE SUMMARY TABLE										
DRAINAGE SHED	PRE CONST. cfs	POST CONST. cfs	DELTA cfs	CAPTURED cfs	DELTA discharge cfs					
Α	0.703	0.556	-0.147	0.000	-0.147					
В	0.000	0.218	0.218	0.218	0.000					
	_		NET	0.218	-0.147					

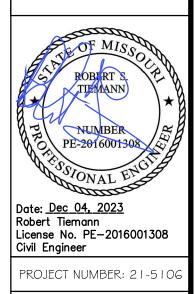
* THE TIME OF CONCENTRATION IS ASSUMED AT 20min FOR THE 15yr-20min RAINFALL

* THE TOTAL DRAINAGE AREA RUNOFF HAS BEEN DECREASED BY 0.147 cfs





ASHMONTPL0096



DATE: 12/04/2023

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