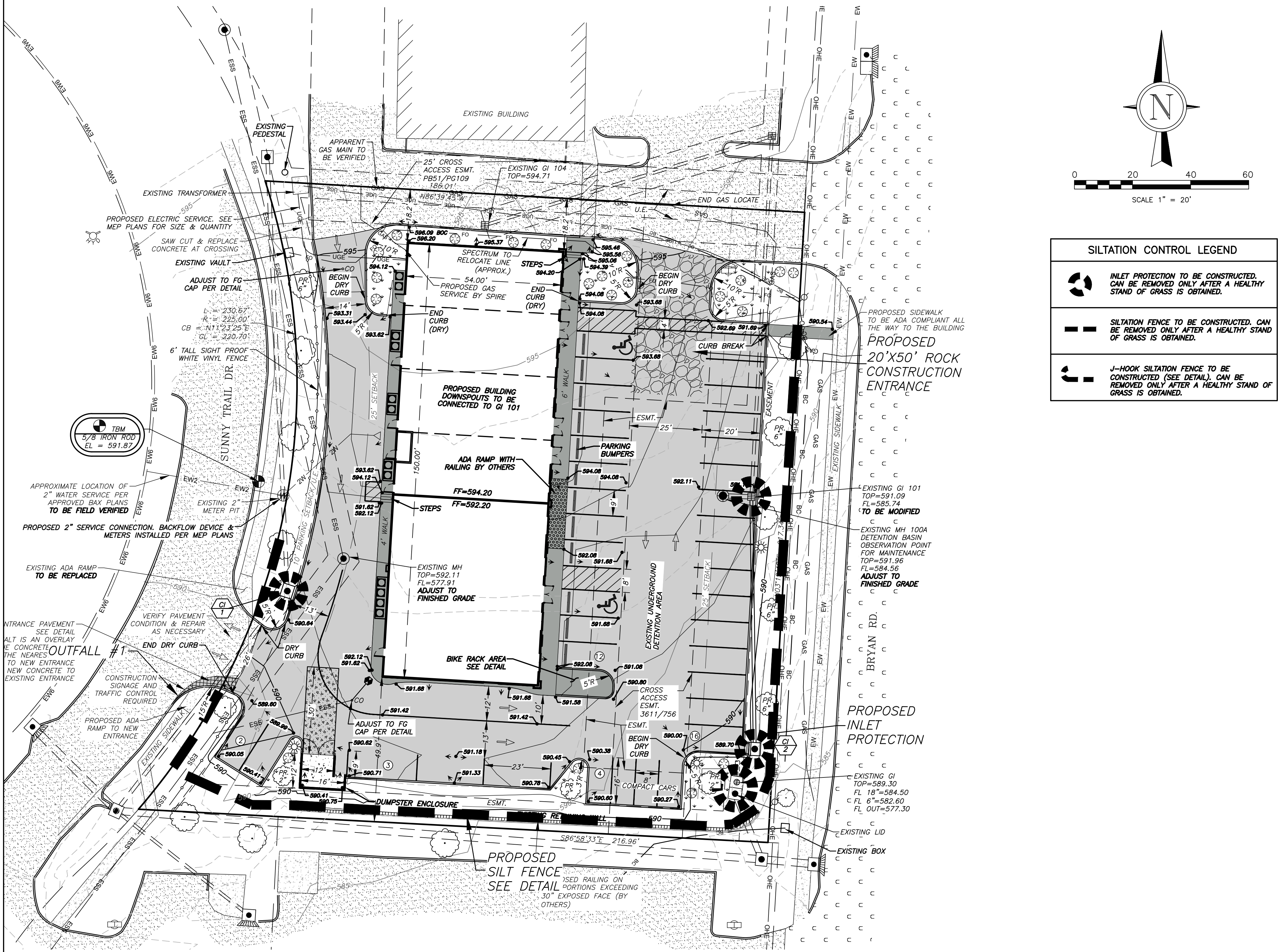


BLUE SKY HEALTH & WELLNESS EROSION CONTROL PLAN



SILTATION CONTROL LEGEND	
	INLET PROTECTION TO BE CONSTRUCTED. CAN BE REMOVED ONLY AFTER A HEALTHY STAND OF GRASS IS OBTAINED.
	SILTATION FENCE TO BE CONSTRUCTED. CAN BE REMOVED ONLY AFTER A HEALTHY STAND OF GRASS IS OBTAINED.
	J-HOOK SILTATION FENCE TO BE CONSTRUCTED (SEE DETAIL). CAN BE REMOVED ONLY AFTER A HEALTHY STAND OF GRASS IS OBTAINED.

SEQUENCE OF CONSTRUCTION ACTIVITIES:

- All silt fence shall be constructed prior to grading.
- All storm sewer inlets shall be protected as shown in details.
- If time of year is favorable permanent vegetation shall be established. If not temporary vegetation shall be established. (see tables)
- If grading operations are to cease for more than 30 days temporary seeding, mulching, or erosion control blankets shall be used to stabilize the area within 15 days from the last construction activity in that area.
- Graded roads shall be rocked as soon as possible.

EROSION CONTROL NOTES:

- No land clearing or grading shall begin until all erosion control measures have been installed.
- This plan shall not be considered all inclusive as the contractor shall take all necessary precautions to prevent soil sediment from leaving the site.
- Contractor shall comply with all state and local ordinances that apply.
- Land disturbing activities shall not commence until approval to do so has been received by governing authorities.
- If installation of storm drainage system should be interrupted by weather or nightfall the pipe ends shall be covered with filter fabric.
- All existing structures, fencing, trees and etc. within construction area shall be removed and disposed of off site. Any burning on site shall be subject to local ordinances.
- Contractor shall be responsible to take whatever means necessary to establish permanent soil stabilization.

HIGHWAY AND TRAFFIC NOTES:

- Provide adequate off-street parking for construction employees. Parking on non-surfaced areas shall be prohibited in order to eliminate the condition whereby mud from construction and employee vehicles is tracked onto the pavement causing hazardous roadway and driveway conditions.
- All storm water shall be discharged at an adequate natural discharge point.
- Interim storm water drainage control in the form of siltation control measures are required.
- No slope shall exceed 3:1 maximum unless otherwise stated.
- Additional siltation control shall be installed as required by local governing bodies.
- Rock construction entrance shall be 20'x50'x6" of 2" clean rock and shall serve as a truck wash off area. If water is not available, a water truck will be provided.

Minimum Fertilizer and Seeding Rates		
Permanent Seeding*	Pounds per acre	Pounds per 1000 sq. ft.
Tall Fescue	300	7.0
Smooth Brome	200	4.6
Mixture #1	250	5.7
Mixture #2	210	4.8
Mixture #1 = Tall Fescue @ 150 pounds per acre and Brome @ 100 pounds per acre. Mixture #2 = Tall Fescue @ 100 pounds per acre; Perennial Rye grass @ 100 pounds per acre; and Kentucky Blue grass @ 10 pounds per acre. * = Seeding rate for slopes in excess of 20%(5:1), shall be 10 pounds per 1000 sq. ft.		
Temporary Seeding	Pounds per acre	Pounds per 1000 sq. ft.
Rye or Sudan	150	3.5
Oats	200	2.5
Fertilizer	Permanent Seeding (pounds per acre)	Temporary Seeding (pounds per acre)
Nitrogen	45	30
Phosphate	65	30
Potassium	65	30
Lime - ENM	600	600
ENM = Effective neutralizing material per State evaluation of quarried rock		

- DEVELOPER SHALL USE SEEDING MIXTURE #2 FOR THIS SITE.
- SEEDBED PREPARATION: LOOSEN SOIL TO A DEPTH OF 3 INCHES FOR BROADCAST SEEDING AND DRILLING.
- SOILS TEST SHOULD BE RAN PRIOR TO SEEDING. FERTILIZE WHEN NECESSARY.
- SEED SHALL BE CERTIFIED AND TESTED WITHIN THE LAST 9 MONTHS

General Mulch Recommendations			
Material	Rate per Acre	Requirements	Notes
Straw	2 to 2.5 tons	Dry unchopped unweathered; avoid weeds	Spread by hand or machine; must be tacked or tied down
Wood fiber or Wood Cellulose	0.5 to 1 ton		Use with hydro seeder, may be used to tack straw. Do not use in hot, dry weather.
Wood Chips	5 to 6 tons	Air dry. Add nitrogen fertilizer at 12 lb per ton	Apply with blower, chip handler, or by hand. Not for fine turf areas.
Bark	35 cu. Yds.	Air dry, shredded, or hammermilled; or chips	Apply with mulch blower, chip handler or by hand. Do not use asphalt tack.

- MULCH SHOULD COVER AT LEAST 75% OF THE SOIL SURFACE
- MULCH SHALL BE SPREAD AS EVENLY AS POSSIBLE.
- ALL NETS, MATS, BLANKETS, AND ROVING SHALL BE INSTALL ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.
- ALL SLOPES OVER 33% WILL REQUIRE NETTING OR SIMILAR MATERIAL FOR STABILIZATION.

Dates for Seeding												
Permanent Seeding	Jan	Feb	March	April	May	June	July	Aug	Sep	Oct	Nov	Dec
Tall Fescue			O	O	O				O	O		
Smooth Brome			O	O	O				O	O		
Fescue & Brome			O	O	O	O			O	O		
Fescue, Rye & Bluegrass	A	A	O	O	O	P	P	O	O	P	P	A
Temporary Seeding	Jan	Feb	March	April	May	June	July	Aug	Sep	Oct	Nov	Dec
Rye or Sudan	A	A	O	O	O	O	O	O	O	O	A	A
Oats		A	O	O	O	O	O	O	O			

O = Optimum seeding dates
A = Acceptable seeding dates only with permission from owner/engineer
P = Permitted seeding dates with reseeding 2 months later - Initially use 50% of seed and 75% of fertilizer. Reseed with additional 75% seed and remaining fertilizer.

SCALE: 1"=20' DATE: 12-20-20 DWN. BY: RD S.C.: AS REV.	City No. P+Z No. 20-007711	Developer / Owner Information STLMO Property, LLC c/o Jay Patel 9911 Grandview Forest Ct. Sunset Hills, MO 63127 618-210-1577	THIS SEAL IS FOR DESIGN AND CONSTRUCTION INSPECTION AND APPROVEMENTS P.E. Ronald L. Wunderlich F.L.E. 2012000745 & Engineering Inc.		WUNDERLICH SURVEYING & ENGINEERING INC. 512 EAST MAIN STREET UNION, MO 63084 (636) 583-8400 WSETEAM.COM		Blue Sky Health and Wellness
		Erosion Control Plan			WUNDERLICH SURVEYING & ENGINEERING, INC. MISSOURI STATE CERTIFICATE OF AUTHORITY: CIVIL ENGINEERING: 001086 LAND SURVEYING: 000253		