COMMERCIAL	Grading notes
GN # 1 Driveway locations shall not interfere with the sidewalk handicap ramps, or curb inlet sumps	GRN #10 All trench bo
GN # 2 Sidewalks, curb ramps, ramps and accessible parking spaces shall be constructed in accordance with the current approved "American with	material (free of large
Disabilities Act Accessibility Guidelines" (ADAAG) along with the required grades, construction materials, specifications and signage. If any	with new construction
conflict occurs between the above information and the plans, the ADAAG guidelines shall take precedence and the contractor prior to any	probe route on not gr
construction shall notify the Project Engineer.	greater than 10 feet
GN # 3 Truncated domes for curb ramps located in public right of way shall meet ADA requirements and shall be constructed using red pre cast truncated domes per pavement details.	a) Depth, Tro
GN # 4 Any proposed pavilions or playground areas will need a separate permit from the Building Division.	than 3 ⁻ feet.
GN # 5 The Contractor is responsible to call Missouri One Call and The City of O'Fallon for the location of utilities. Contact the City of O'Fallon	b) Equipmen
(636) 379—3814 for the location of City maintained cable for street lights and traffic signals, all other utilities call Missouri One Call	c) Method, J
1-800-DIG-RITE. 1-800-344-7483	bottom
GN # 6 All proposed utilities and/or utility relocations shall be located underground.	the soil.
GN # 7 All proposed fencing requires a separate permit through the Planning and Development Division. GN # 8 All construction operations and work zone traffic control within the right of way will follow MoDOT or M.U.T.C.D. standards whichever is more stringen	d) Surface B
GN # 9 All free standing signs shall be located a minimum of ten (10) feet away from any right of way line and/or property line and a minimum of	
three (3) feet from the back of curbing or sidewalk. All signs shall abide by the regulations for visibility at corners, including corners from	using ar
driveways and the street it intersects per Section 400.260 of the O'Fallon Zoning Code.	the sam such the
GN #10 All subdivision identification or directional sign(s) must have the locations and sizes approved and permitted separately through the Planning and Development Division.	GRN #11 Site grading. a. Within Ci
GN #11 Materials such as trees, organic debris, rubble, foundations, and other deleterious material shall be removed from the site and disposed of in	requirem
compliance with all applicable laws and regulations. If the material listed previously are reused, a letter from a soil Engineer must clarify	b. Outside
amount, location, depth. ect. and be approved with the construction plans. Landfill tickets for such disposal shall be maintained on file by	compact
the developer. Burning on site shall be allowed only by permit from the local fire district. If a burn pit is proposed the location and mitigation	(1,000)
shall be shown on the grading plan and documented by the soils engineer.	
GN #12 Twenty—four (24) hours prior to starting any of the work covered by the above plans and after approval thereof, the developer shall make arrangements with the Construction Inspection Office to provide for inspection of the work, sufficient in the opinion of the City Engineer,	Sanitary Sewer
to assure compliance with the plans and specifications as approved.	-
GN #13 The City Engineer or their duly authorized representative shall make all necessary inspections of City infrastructure, escrow items or	SAN # 1 All sanitary Ordinance
infrastructure located on the approved plans.	SAN # 2 Brick shall n
	" by the C
Erosion Control Notes	SAN # 3 Connections
	SAN # 4 All sanitary
EN # 1 The Permittee shall assume complete responsibility for controlling all siltation and erosion of the project area. The Permittee shall use whatever	SAN # 5 All sanitary
means necessary to control erosion and siltation including, but not limited to, staked straw bales and/or siltation fabric fences (possible methods of control are detailed in the plan). Control shall commence with the clearing operations and be maintained throughout the project until	SAN # 6 All sanitary will requir
acceptance of the work by City of O'Fallon and as needed by MoDOT. The Permittee's responsibilities include all design and implementation as	SAN # 7 All manholes
required to prevent erosion and the depositing of silt. The City of O'Fallon and as required by MoDOT may at their option direct the Permittee	SAN # 8 All sanitary
in his methods as deemed fit to protect property and improvements. Any depositing of silt or mud on new or existing pavement shall be removed	SAN # 9 When sanitar
cleaned immediately. Any depositing of silts or mud in new or existing storm sewers and/or swales shall be removed after each rain and affected	SAN #10 Encase with
areas to the satisfaction of the City of O'Fallon and as required by MoDOT." EN # 2 All erosion control systems are to be inspected and corrected weekly, especially within 48 hours of any rain storm resulting in one-quarter inch	to only R SAN #11 The sanitary
of rain or more. Any silt or debris leaving the site and affecting public right of way or storm water drainage facilities shall be cleaned up	SAN #12 All sanitary
within 24 hours after the end of the storm.	SAN #13 All sanitary
EN # 3 Erosion control devices (silt fence, sediment basin, etc.) shall be in accordance with St. Charles County Soil and Water Conservation District	SAN #14 All sanitary
Erosion and Sediment Control guidelines.	Manhole
EN # 4 This development is required to provide long term post construction BMP's such as; low impact design, source control and treatment controls that protects water quality and controls run off to maximum extent practical in compliance with Phase II Illicit Storm Water Discharge Guidelines.	Sewer Lin
(Ord. 5082, section 405.245)	SAN #15 Add 1" minu
EN #5 Graded areas shall be seeded and mulched (strawed) within 14 days of stopping land disturbance activities. Unless it can be shown to the City	Storm Sewer N
" Engineer that weather conditions are not favorable, vegetative growth is to be established within 6 weeks of stopping grading work on the project.	
The vegetative growth established shall be sufficient to prevent erosion and the standard shall be as required by EPA and DNR. (70% coverage per	STM # 1 All Storm Se ordinance
square foot) Ord. 5242, Section 405.070	STM # 2 Brick shall n
	" by the Ci
Grading Notes	STM # 3 A 5/8" tras
	STM # 4 HDPE pipe is
GRN #1 Developer must supply City construction inspectors with soil reports prior to and during site grading. The soil report will be required to contain	STM # 5 Encase with
the following information on soil test curves (Proctor reports) for projects within the City: 1. Maximum dry density	to only R STM # 6 The storm s
2. Optimum moisture content	STM # 7 All concrete
3. Maximum and minimum allowable moisture content	STM # 8 Connections
4. Curve must be plotted to show density from a minimum of 90% Compaction and above as determined by the "Modified AASHTO T-180	STM # 9 Pre cast cor
Compaction Test" (A.S.T.M.—D—1157) or from a minimum of 95% as determined by the "Standard Proctor Test ASSHTO T—99, Method C"	STM #10 The swale in
(A.S.T.M.—D—698). Proctor type must be designated on document.	will allow
5. Curve must have at least 5 density points with moisture content and sample locations listed on document	STM #11 All storm sev
6. Specific gravity 7. Natural moisture content	specificat basin out
	STM #12 The discharg
	STM #13 Rip rap show
Be advised that if this information is not provided to the City's Construction Inspector the City will not allow grading or construction activities	effectiven
to proceed on any project site. GRN #2 All fill placed in areas other than proposed storm sewers, sanitary sewers, proposed roads, and paved areas shall be compacted from the bottom	STM #14 Add 1" minu
of the fill up in 8" lifts and compacted to 90% maximum density as determined by Modified AASHTO T-180 compaction test or 95% of maximum	Water Notes
density as determined by the Standard Proctor Test AASHTO T—99. Ensure the moisture content of the soil in fill areas corresponds to the compactive effort as defined by the Standard or Modified Proctor Test. Optimum moisture content shall be determined using the same test	WN # 1 Fire hydrants
that was used for compaction. Soil compaction curves shall be submitted to the City of O'Fallon prior to the placement of fill.	WN # 2 Coordinate wi
GRN # 3 The surface of the fill shall be finished so it will not impound water. If at the end of a days work it would appear that there may be rain prior to	
" the next working day, the surface shall be finished smooth. If the surface has been finished smooth for any reason, it shall be scarified before	WN # 4 Provide water
proceeding with the placement of succeeding lifts. Fill shall not be placed on frozen ground, nor shall filling operations continue when the	WN # 5 All water mai
temperature is such as to permit the layer under placement to freeze.	WN # 6 DISINFECTING:
GRN # 4 All sediment and detention basins are to be constructed during the initial phase of the grading operation or in accordance	Disinfecting
with the approved SWPPP. CRN # 5 When grading operations are complete or suspended for more than 14 days, permanent grass must be established at sufficient.	pipeline, u with water
GRN # 5 When grading operations are complete or suspended for more than 14 days, permanent grass must be established at sufficient density to provide erosion control on site. Between permanent grass seeding periods, temporary cover shall be provided	with water for 24 hou
aensity to provide erosion control on site. Between permanent grass seeding periods, temporary cover shall be provided according to St. Charles Soil and Water Conservation District — Model Sediment and Erosion Control Regulations. All	chlorine re
	achieved.
finished grades (areas not to be disturbed by improvements) in excess of 20% slopes (5:1) shall be mulched and tacked at	WN # 7 PRESSURE TE
a rate of 100 pounds per 1000 square feet when seeded.	Immediatel

GRN # 6 No slopes shall exceed 3 (horizontal): 1 (vertical) unless otherwise approved by the soils report and specifically located on the plans and approved by the City Engineer.

GRN # 8 All existing wells on site shall be capped per DNR standards.

GRN # 7 All low places whether on site or off shall be graded to provide drainage with temporary ditches.

Grading Notes Continued

All trench back fills under paved areas shall be granular back fill, and compacted mechanically. All other trench back fills may be earth (free of large clods, or stones) and compacted using either mechanical or water jetting, Granular material and earth material associated construction outside of pavements may be jetted, taking care to avoid damage to newly laid sewers. The jetting shall be performed with a bute on not greater than 7.5 foot centers with the jetting probe centered over and parallel with the direction of the pipe. Trench widths than 10 feet will require multiple probes every 7.5 foot centers.

- a) Depth, Trench back fills less than 8 feet deep shall be probed to a depth extending half the depth of the trench back fill, but not less than 3 feet. Trench back fill greater than 8 feet in depth shall be probed to half the depth of the trench back fill but not greater than 8
- b) Equipment, The jetting probe shall be a metal pipe with an interior diameter of 1.5 to 2 inches.
- c) Method, Jetting shall be performed from the lowest surface topographic point and proceed toward the highest point, and from the bottom of the trench back fill toward the surface. The flooding of each jetting probe shall be started slowly allowing slow saturation of the soil. Water is not allowed to flow away from the trench without first saturating the trench.
- d) Surface Bridging, The contractor shall identify the locations of the surface bridging (the tendency for the upper surface to crust and arch over the trench rather than collapse and consolidate during the jetting process). The contractor shall break down the bridged areas using an appropriate method such as wheels or bucket of a backhoe. When surface crust is collapsed, the void shall be back filled with the same material used as trench back fill and rejetted. Compaction of the materials within the sunken/jetted area shall be compacted such that no further surface subsidence occurs.
- a. Within City right—of—way. Material is to be placed in eight (8) inch to twelve (12) inch loose lifts and compacted per the approved compaction RI requirements. One (1) compaction test will be performed every two hundred fifty (250) feet along the centerline for each lift. b. Outside of City right—of—way. Material is to be placed in eight (8) inch to twelve (12) inch loose lifts and compacted per the approved compaction requirements. One (1) compaction test will be performed at two (2) foot vertical intervals and approximately every one thousand (1,000) cubic yards.

ary Sewer Notes

All sanitary sewer installation is to be in accordance with current M.S.D. standards and specifications except as modified by the City of O'Fallon Ordinances. Brick shall not be used in the construction of sanitary sewer structures. Pre cast concrete structures are to be used unless otherwise approved

- by the City of O'Fallon.
- Connections at all sanitary structures are to be made with A-Lock joint or equal
- All sanitary laterals shall be a minimum of 6" diameter pipe with minimum 2% slopes.
- All sanitary mains shall be a minimum of 8" diameter pipe with minimum 1% slopes. All sanitary sewer line with a slope greater than 20% will require concrete cradle or concrete collar. Sanitary line with a slope greater than 50%
- will require a special approved design as shown on detail sheet. All manholes built within the 100 year flood plain must have lock type watertight manhole covers.
- All sanitary sewer mains must have a minimum of 42" cover.
- When sanitary mains cross over storm line the sanitary main must be ductile iron pipe for 10 feet on each side of the crossing.
-) Encase with concrete both sanitary and storm sewer at crossing when storm sewer is within 18 inches above sanitary sewer. Add concrete cradle to only RCP storm sewer and encase HDPE storm sewer when it is more than 18 inches above sanitary line. Show on profile sheet.
- The sanitary sewers should run diagonally through the side yards to minimize any additional utility easements required. All sanitary sewer structures shall be waterproofed on the exterior in accordance to Missouri DNR specifications 10CSR-8.120 (7)(E).
- All sanitary sewer pipe shall be SDR35 or equal.
- All sanitary sewer manholes and pipes will be tested to the following specifications. ASTM C1244, Standard testing method for Concrete Sewer Manhole by Negative Air Pressure (Vacuum), Latest revision ASTM F1417, Standard testing method for Installation Acceptance of Plastic Gravity Sewer Lines Using Low Pressure Air, Latest revision.
- Add 1" minus rock back fill to all sanitary sewer and all other utilities that lie within the 1:1 shear plane of the road.

Sewer Notes

- All Storm Sewer installation is to be in accordance with current M.S.D. standards and specifications except as modified by the City of O'Fallon ordinances.
- Prick shall not be used in the construction of storm sewer structures. Pre cast concrete structures are to be used unless otherwise approved by the City of O'Fallon.
- 3 A 5/8" trash bar shall be installed horizontally in the center of the opening(s) in all curb inlets and area inlets.
- HDPE pipe is to be N-12WT or equal and to meet ASTM F1417 water tight field test.
- Encase with concrete both sanitary and storm sewer at crossing when storm sewer is within 18 inches above sanitary sewer. Add concrete cradle to only RCP storm sewer and encase HDPE storm sewer when it is more than 18 inches above sanitary line. Show on profile sheet. The storm sewers should run diagonally through the side yards to minimize any additional utility easements required.
- All concrete pipes will be installed with O-ring rubber type gaskets.
- Connections at all storm structures are to be made with A-lock joint or equal.
- Pre cast concrete inlet covers are not to be used.
- The swale in the detention basins shall have a minimum 1% longitudinal slope and be lined with a permanent erosion control blanket that will allow infiltration of storm water.
- All storm sewer shall be reinforced concrete pipe or H.D.P.E. pipe. All structures and flared end sections must be concrete. Manufacturing specifications must be followed and details provided for the installation of H.D.P.E. pipe. H.D.P.E. pipe will not be allowed for detention basin outflows, final pipe run to detention basins, creek discharge or other approved means.
- The discharge point of all flared end sections shall be protected by rip rap or other approved means. Rip rap shown at flared end sections will be evaluated in the field by the Engineer, Contractor, and City Inspectors after installation for effectiveness and field modified, if necessary to reduce erosion on and off site.
- Add 1" minus rock back fill to all storm sewer that lie within the 1:1 shear plane of the road.

Notes

- Fire hydrants shall be a maximum of 600' apart. Local fire district approval is required.
- Coordinate with the water company on the location of water meters.
- All water main must have a minimum of 42" of cover. (City water mains)
- Provide water valves to isolate the system.
- All water mains shall be class 200 SDR 21 or equal with locator/tracer wires

DISINFECTING:

Disinfecting shall be accomplished by placing sufficient hypo chlorite granule (HTH) in each section of pipe to achieve a chlorine residual in the pipeline, upon initial filling, of 50 mg/L (PPM). HT. tablets will not be allowed. Following completion of the pipeline, it shall be slowly filled with water and a sample will be taken immediately and the chlorine residual must be 50 mg/L or greater. The solution shall be allowed to stand for 24 hours and a sample shall then be taken. The chlorine residual after 24 hours shall be 30 mg/L or greater. If the piping shows insufficient FP #1 A flood plain development application from the City is required for any work within the flood plain limits. chlorine residuals in either test, the piping shall be re-chlorinated by the injection of hypo chlorite solution until satisfactory results are achieved. All disinfecting shall be done by the contractor. Only the testing to determine the chlorine residual will be done by the City.

PRESSURE TESTING:

Immediately following disinfection, the piping shall be pumped to a pressure (at the lowest point in the project) of 150 psi or higher where the RW #1 A permit is required for all retaining walls that are 48 inches or taller in height, measured from the top of the footing to the top of the wall or for working pressure is higher than 150 PSI as determined by the City. In such cases, the pressure shall be as specified by the City and two pressure tests shall be conducted. The first test shall be with the fire hydrant auxiliary valve open and be to 150 PSI. The second test shall be with the fire hydrant auxiliary valve closed and be to the higher pressure as directed by the City. All pumping equipment and pressure gauges shall be provided by the contractor. After achieving the test pressure, the piping shall be left closed for a period of two (2) hours. At the end of this time the pressure drop shall not exceed 2 psi. In addition, if the pressure appears, in judgment of the City's representative, to be continuing to drop, the test shall be continued for another two (2) hours and if any further drops occur, the test shall be considered a failure. If the pressure test fails, the contractor will be required to find and correct the source of the leakage. If this requires draining of the pipeline, when the leakage is corrected, the pipeline must be re-disinfected and the pressure tested again until satisfactory result are achieved. Any MDNR required dechlorination will be performed by the contractor. WN # 8 All tops for valves, meters, and manholes are to be constructed to within 1 inch (0.08') of finish grade. Grading around

structure tops on slopes need to be accounted for.

Water Notes

	WN	#	10	BACTERIOLOGICAL TESTING:
				After satisfactory disinfection and pr
				submitted to a laboratory approved a second sample shall be taken in a
				apart, must be found to be "safe" I
				not found to be "safe" further flush
				on two consecutive test days are ac "safe", the mains may be placed int
	Rc	ba	d١	way Notes
	RN	#	1	All paving (public and private) to be in City of O'Fallon ordinances.
	RN	#	2	If the intersecting road does not have
				Provide 6" of concrete over 4" of MoDo
	RN RN			Multi-use trail (when required) Shall have Type C (BP-1) Compaction requirements
	RN			Provide pavement striping at any point
n				All street stub-outs over 250' in length
				All sub grade in cut or fill will need to Material Testing And Frequency. Materia
		"		discretion. The developer's engineer shal
				Concrete. a. Cylinders/compressive strength. One
			C	cubic yards thereafter. One (1) cylin
				days. If the first (1st) cylinder does r
			F	at day fifty—six (56). 5. Percent air and temperature. First (1
			L	is encountered, then tests will be per
			c	c. Slump. First (1st) truck batch each o
			c	tests will be performed in conjunction d. If concrete is batched from more that
			2.	Sub grade and base.
				a. Proof roll as described in Section 405 5. One (1) compaction test per two hund
				and one (1) test per repair slab.
				c. Gradation test for sub base material. Asphalt.
				a. One (1) set of compaction tests per
			F	same station.
	RN	#1		o. One (1) bulk density test per paving o Approval Of Sub grade And Base (Sub t
				shall approve the base before concrete
	RN	#1	1	density throughout. In all fill areas in the roadways, soil tes
		"		an average of one (1) test within every
	RN	#1	2	No traffic will be allowed on new concre
				28 days. Concrete pavements shall not set of four (4) cylinders within the first
				tested at seven (7) days, one (1) at fo
				at twenty-eight (28) days, then the se
	RN	#1	3	Prior to placement of aggregate base n be proof-rolled with a fully loaded (ten
				faster than three (3) miles per hour.
				the roadbed shall be considered unsatis
е	RN	#1	4	firm and approved by a representative of Sub grade and base beneath pavements
		<i>π</i> '	'	be determined by the Standard or Modi
			_	content.
	ΚN	#I	Э	The entire width and length will conform settling or washing occurs, or where ha
				sub grade or base to the satisfaction of
				be at the discretion of the City Enginee four-hundredths (+0.04) feet.
	RN	#1	6	Utility Work Prior To Base Construction.
				water, gas, electric, etc.) have been
	RN	#1	7	lifts. Utilities installed after sub gro Equipment calibration. The developer's
				standards.
				a. Air meter——weekly. b. Cylinder compression——annually b
				c. Batch scales——monthly.
				d. Nuclear testing devices—every si
				e. Proctor equipment——every six (6) f. Slump cone——monthly.
	RN	#1	8	All permanent traffic control will be per
	יאס	,,,,	~	locations accompanied with either w
	κN	#1	Э	All traffic signals, street signs, sign pos Carboline 133 HB paint (or equivalen
	_			
	Flo	C	bd	plain Information

Retaining Walls: Terraced and Vertical

- RW #2 Retaining walls will not be allowed in public right-of-way without written approval from the City Engineer.
- on the retaining wall.
- RW #5 See section 405.275 of the City code for additional design requirements.

and pressure testing, a sample shall be taken by the contractor in the presence of a City representative and proved by the Missouri Department of Natural Resources and the City for bacteriological analysis. After 24 hours, en in a like manner and submitted for analysis. The two samples taken on consecutive days ,a minimum of 24 hours safe" by the testing laboratory, and copies of the test results must be supplied to the City. If the samples are flushing and/or disinfection as directed by the City shall be conducted by the contractor until "safe" samples are achieved. Following successful bacteriological testing and a determination by the City that the samples are iced into service.

be in accordance with current St. Louis County Standards and Specifications except as modified by the

- have a curb, then the curb on the new entrance shall begin 10' from the edge of the existing road. MoDot type 1 or type 5 aggregate rock or asphalt equivalent for minor residential streets per City Code 405.370.
- hall have a minimum of 3" Type "C" Asphalt over 4" aggregate base per City requirements.
- rements shall be 98% minimum density according to St. Charles Co. Standard Specifications. point where the multi-use trail crosses existing or proposed pavement
- length will require a temporary turnaround.
- eed to conform to the City of O'Fallon Compaction requirements Materials for construction shall be tested and inspected per the appropriate ASTM code or at the City Engineer's er shall perform the following quality control guidelines:

One (1) set of four (4) cylinders within the first fifty (50) cubic yards and one (1) set per one hundred (100) cylinder must be tested at seven (7) days, one (1) at fourteen (14) days and two (2) at twenty—eight (28) does not meet specifications at twenty-eight (28) days, then the second (2nd) cylinder must be held and tested

First (1st) truck batch each day and two (2) thereafter until a consistency is encountered. Once a consistency be performed in conjunction with the concrete cylinders.

each day and two (2) thereafter until a consistency is encountered. Once a consistency is encountered, then junction with the concrete cylinders.

pre than one (1) plant, then the aforementioned guidelines will be applicable to each plant.

on 405.210(B).

wo hundred fifty (250) feet of mainline paving, three (3) tests per intersection, five (5) tests within cul-de-sacs

per two hundred fifty (250) feet of mainline. One (1) set includes three (3) tests across the paved lane at the

aving operation. (Sub base). The City Engineer or representative shall approve the sub grade before any base is placed thereon and ncrete or surface course is placed. The sub grade and base shall be so constructed that it will be uniform in

soil tests shall be submitted and approved by the City Engineer for each foot of fill and at least one (1) test and every two hundred fifty (250) feet.

concrete pavement until it has cured for seven (7) days and it reaches three thousand five hundred (3,500) psi within all not be approved unless it reaches a strength of four thousand (4,000) psi.Cylinders/compressive strength. One (1) he first fifty (50) cubic yards and one (1) set per one hundred (100) cubic yards thereafter. One (1) cylinder must be) at fourteen (14) days and two (2) at twenty—eight (28) days. If the first (1st) cylinder does not meet specifications the second (2nd) cylinder must be held and tested at day fifty-six (56).

base material on sub grade and prior to placement of pavement on base material, the sub grade and base must I (ten (10) ton load) tandem truck or equivalent tire vehicle with one (1) pass down each driving lane no nour. If soft spots are detected, or pumping, rutting or heaving occurs greater than one (1) inch at the sub grade, unsatisfactory and the soil in these areas shall be remediated to the depth indicated by the contractor's testing tative of the City Engineer.

rements shall be compacted to St. Charles County Highway Department specifications. The moisture range shall Modified Proctor Density Method AASHTO T-99 and within -2/+4 percentage points of the optimum moisture

conform to line, grade and cross section shown on the plans or as established by the engineer. If any nere hauling results in ruts or other objectionable irregularities, the contractor shall improve the action of the City before the pavement is placed. Additional rolling or methods to verify compaction shall Engineer. Tolerance allowed on all lines, grades and cross sections shall be plus or minus

uction. No base course work may proceed on any street until all utility excavations (storm and sanitary sewers, been properly back filled with aranular material, crushed stone or aravel mechanically tamped in ten (10) inch sub grade preparation shall be bored. Compaction requirements shall follow St. Charles County standards (2006). oper's contractors and subcontractors must have their equipment calibrated by the following minimum

ually by independent calibration service.

every six (6) months. six (6) months.

be per M.U.T.C.D. or MoDot standards. S1-1 from the M.U.T.C.D. manual will be used at all crosswalk ither w16-9p or w16-7p signs ign post, backs and bracket arms shall be painted black using Carboline Rust Bond Penetrating Sealer SG and quivalent as approved by City of O'Fallon and MoDOT).

walls that support a surcharge load or that alters the channelized drainage of any lot or drainage area.

RW #3 Any retaining wall more than thirty (30) inches tall which supports a walking surface that is within two (2) feet of the wall will require a quard

RW #4 Retaining walls that alter the channeled drainage of any lot or drainage area shall not be constructed without prior approval and permitting from the City of O'Fallon Engineering Department regardless of the height of the wall.

PROJECT TITLE: PROGRESS WEST LOT 2	Bax Project # 21-18493 ssue Date: 03/16/2022
ENGINEERING ENGINEERING PLANNING SURVEYING 221 Point West Blvd. St. Charles, M0 63301 636-928-5552	FAX 928-1718
DISCLAIMER OF RESPONSIBILITY I hereby specify that the documents int authenticated by my seal are limited to and I hereby disclaim any responsibility Drawings, Specifications, Estimates, Rep documents or instruments relating to o be used for any part or parts of the a engineering project or survey other than authenticated by my seal.	 this sheet, for all other orts or other r intended to rchitectural or h these
REVISIONS 05-19-22 CITY COMMENT 06-10-22 CITY COMMENT 06-30-22 CITY COMMENT	S
Developer / Owner: Davis Family Trust 2209 Droste Rd. St. Charles, MO 63301 St. Charles, MO 63301	NOTES
	1-009309 04/21
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