BENCHMARKS:

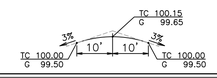
BENCHMARK INFORMATION: ELEV. 558.64 (USGS D 149)(NAVD 88) 2.3 MIIES WEST FROM O'FALLON 2.3 MILES WEST ALONG THE WABASH RAILROAD FROM THE STATION AT O'FALLON, ST. CHARLES COUNTY, 42 FEET SOUTHWEST OF MCGREE ROAD 25 FEET WEST OF A FENCE GATE, AND 2 FEET NORTH OF THE FENCE. A STANDARD DISK, STAMPED D 149 1935 AND SET IN THE TOP OF A CONCRETE POST PROJECTING 6 INCHES ABOVE GROUND.

SITE BENCHMARK: ELEV. 625.73 CUT "+" ON EAST RIM OF A MANHOLE AT THE NORTHEAST CORNER OF ADJUSTED PARCEL 1 OF QUIKTRIP NO. 662, A SUBDIVISION IN ST. CHARLES COUNTY, MISSOURI AS PER PLAT THEREOF RECORDED IN PLAT BOOK 38 PAGE 366.

VERTICAL CURVE AT GRADE BREAK NOTES

1. TO AVOID ANY DEFINED CRESTS OR SUMPS, "GRADE BREAKS" SHALL BE CONSTRUCTED AS A "VERTICAL CURVE". SURVEYOR & CONTRACTOR SHALL CONFER WITH QUIKTRIP CONSTRUCTION MANAGER PRIOR TO CONSTRUCTION STAKING OR CONCRETE PLACEMENT RELATIVE TO ANY GRADE BREAKS.

2. GRADE TRANSITIONS IN THE CURB LINE SHOULD NOT BE SHARP, VERTICAL CURVES SHOULD BE CONSTRUCTED TO SOFTEN THE ABRUPT CHANGE IN GRADE. THE VERTICAL CURVE SHALL BE APPROXIMATED BY SPOT ELEVATIONS IN 10' INCREMENTS ON THE GRADING PLAN. ABSOLUTE CHANGE IN GRADE SHALL NOT EXCEED 4%. THIS HOLDS FOR BOTH CRESTS AND SUMPS IN THE CURB AND GUTTER.



POTHOLE LOCATION #4
FOUND: TOP OF 1" CHARTER LINE. ELEV. 624.66.
FOUND: TOP 1 ½" FIBER OPTIC LINE. ELEV. 626.67.
FOUND: TOP OF 1" IRRIGATION LINES AND 2" IRRIGATION LINES WITH ELECTRIC CONTROLS. ELEV. 624.02 TO 624.44.

POTHOLE LOCATION #5
FOUND: TOP ½"PVC ELECTRIC LINE. ELEV. 623.98.
FOUND: TOP 4" WATER SERVICE LINE. ELEV. 622.22.
FOUND: TOP ½"PVC ELECTRIC LINE. ELEV. 622.56.
FOUND: TOP 8" WATER LINE. ELEV. 622.32.
FOUND: TOP (2) 1 ½" CHARTER LINES, PIGGYBACK. ELEV. 623.06.
FOUND: TOP 1" AND 2" IRRIGATION LINES. ELEV. 623.00 TO 623.38.

POTHOLE LOCATION #3
FOUND: TOP OF 1" PVC IRRIGATION LINE. ELEV. 625.06.
FOUND: TOP OF 12" PVC WATER MAIN. ELEV. 621.86.

POTHOLE LOCATION #2
FOUND: TOP OF (4) 4" PVC FIBER OPTIC LINES, 2 CONDUITS OVER 2 CONDUITS. ELEV. 621.39.
FOUND: TOP OF ELECTRICAL CONDUIT TO LIGHT STANDARD. ELEV. 622.85.

POTHOLE LOCATION #1
FOUND: TOP OF 1" PVC IRRIGATION LINE. ELEV. 623.24.
FOUND: TOP OF (4) 4" PVC FIBER OPTIC LINES, 2 CONDUITS OVER 2 CONDUITS. ELEV. 620.37

LIMITS OF DISTURBANCE = 3.63 AC.

GRADING LEGEND

- ST — STORM PIPE (< 10" NEW)
- STORM PIPE (> 12" NEW)
- STORM PIPE (> 12" EXISTING)
- FD — FRENCH DRAIN
- CD — BACK OF CURB DRAIN
- XXXX — MAJOR CONTOUR (NEW)
- XXXX — MINOR CONTOUR (NEW)
- XXX — MAJOR CONTOUR (EXISTING)
- XXX — MINOR CONTOUR (EXISTING)
- LIMITS OF DISTURBANCE
- TC XXXX.XX / G XXXX.XX — TOP OF CURB ELEVATION (NEW) / GUTTER ELEVATION (NEW)
- FG XXXX.XX — FINISHED GRADE ELEVATION (NEW)
- FG XXXX.XX — SPOT ELEVATION (EXISTING)
- STORM GRATE (NEW)

PRIOR TO PLACING FRAMEWORK ON COMPLEX ADA RAMP DESIGNS, CONTRACTOR SHALL SUBMIT AN RFI WITH ADDITIONAL SURVEY DATA TO THE CONSULTANT. CONSULTANT WILL FINALIZE RAMP DESIGN AND RESPOND TO THE RFI.

MISCELLANEOUS GRADING NOTES

1. GAS CANOPY INSTALLER SHALL INSTALL THE CANOPY COLUMN DRAIN PIPE AND OVERFLOW FITTING. THE STORM WATER INSTALLER SHALL CONNECT THEIR PIPING TO THE GAS INSTALLER'S OVERFLOW FITTING.
2. WHEN PLAN GRADES DEPICT RUNOFF TO BE DIRECTED AWAY FROM THE CURB, USE DRAIN AWAY CURB ALTERNATE. (RE: A1–C523)

RE: SPECS. FOR WATER PROOFING PLUMBING ROOM FFE 625.00

FFE 624.50

DRAINAGE EASEMENT
100 YR. L.F.B. ELEV. 617.07

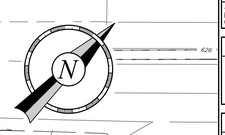
9'W GRASS SPILLWAY TOP=620.00

TOP OF BERM 621.00 (TYP.)

DETENTION BASIN
100 YR. L.F.B. ELEV. 617.07
100 YR. ELEV. 616.64
25 YR. ELEV. 616.32
10 YR. ELEV. 616.05
2 YR. ELEV. 615.34

BRYAN ROAD (CITY) (VARIABLE WIDTH)

VETERANS MEMORIAL PARKWAY (NORTHERLY SIDE WITH OUTER ROAD) (VARIABLE WIDTH)



MICHAEL J. VELLOFF
NO. E-2000161862

PROJECT NO.:161105

NAME: MICHAEL J. VELLOFF
LICENSE NUMBER: E-2000161862
DISCIPLINE: CIVIL
CORPORATION AUTHORITY NUMBER: 001194

THE SEAL OF MICHAEL J. VELLOFF ON THIS DRAWING APPLIES ONLY TO THE CIVIL/SITE ENGINEERING SHOWN. IT DOES NOT APPLY, NOR IS ANY RESPONSIBILITY TAKEN FOR ENVIRONMENTAL, GEOTECHNICAL (INCLUDING BUT NOT LIMITED TO SLOPE STABILITY), STRUCTURAL, HVAC, PLUMBING, ELECTRICAL, FIRE PROTECTION, TRAFFIC ENGINEERING, SURVEYING (BOUNDARY AND TOPOGRAPHIC), OR ARCHITECTURAL (BUILDING OR LANDSCAPE).

QuikTrip No. 0662

955 BRYAN ROAD
O'FALLAN, MO 63366

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REVIEWED BY:	MJV

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		ORIGINAL ISSUE DATE: 06/18/18

SHEET TITLE:
GRADING PLAN

SHEET NUMBER:
C110

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