SCALE 1"=20'

0 20 40
SCALE IN FEET

QUIKTRIP #640
801 BELLEAU CREEK RD.
O'FALLON, MO
4 SIDES GOLD WRAPPED WITH MECHANICAL SCREEN
FF=485.24

E-046 CANOPY SIGN

100 YR FLOOD EXTENTS BASED ON CURRENT TOPOGRAPHY AND PUBLISHED FLOOD ELEVATION= 478.50 (ENTIRE SITE WITHIN ZONE AE ON F.I.R.M. DATED AUG. 2,1996)

MH B T=476.03 FL=464.44 FL IN=466.34

8" PVC SANITARY LINE 151'-8" PVC @ 8.65%

S22°38'30"E 118.34'

R=32.00 L=50.27'

N.43°52'03"W. 98.17'

R=118.00 L=45.11'

N.67°18'32"E 655.88'

CO 2-1A TOP=485.60 FL=479.65

CO 2-1B TOP=485.00 FL=481.25

0+72 8" ON 8" WYE FL=479.58

45'-54" RCP @ 6.96%

FL=469.00 CONC FES (SEE DETAIL) FES 2-2

REMOVE EXISTING FES CONSTRUCT NEW MANHOLE AT END OF EXISTING 54" PIPE

TOP=483.50 FL OUT=465.87 FL 54" IN=465.87 FL 15" IN=478.86 FL 8" IN=478.15 PRE-CAST MANHOLE FOR PIPE SEWERS 48" AND LARGER IN DIAMETER MH 2-1

MATCH EX GRADE

PROPOSED LIMITS OF 100 YEAR FLOOD EXTENTS ELEVATION = 478.50

3-4" SCH. 40 PVC UTILITY CONDUITS EXTENT 3' BEYOND PAVERS

146 LF 8" PVC @ 1.50%

43'-6" PVC @ 1.22%

PROPOSED UNDERGROUND UTILITIES

B1 T=485.50 FL=479.40

C.O. B2 T=485.20 FL=482.50

PAD MOUNTED ELECTRIC TRANSFORMER

EROSION/ CONTROL (SEE DETAIL)

APPROXIMATE LOCATION OF DETENTION PIPES PER BAX ENGINEERING

8" SANITARY LINE (BY OTHERS) APPROXIMATE LOCATION PER BAX ENGINEERING

SAN SERVICE 6"PVC

Light Standard w/outlet (typ)

AVERAGE GRADE = 2.73%

AVERAGE GRADE = 0%

CROWN

TOP=484.00 FL=479.75 CI 2-3

TOP=484.10 FL=471.75 MANHOLE OVER 60" CMP (SEE DETAIL) MH 1-5

MATCH EX GRADE

PROPOSED FIRE HYDRANT (SEE DETAIL)

TOP=483.75 FL=478.95 CO 1-1A

RELOCATE TELEPHONE PEDESTAL

OVERLAY EXISTING ASPHALT SHOULDER (SEE SHEET 5)

SECTION A-A (SEE SHEET 5)

CONTRACTOR TO VERIFY DEPTH OF GAS LINE PRIOR TO EXCAVATION AND CONTACT ENGINEER AND GAS COMPANY FOR RELOCATION IF REQUIRED

CO 1-1B TOP=482.55 FL=480.50

CC=15'-10 3/16" TP=483.25

CC=15'-0" TP=484.10

CC=15'-9 5/8" TP=483.30

CC=17'-4 13/16" TP=481.70

162 LF 8"PVC @ 1.0%

73 LF 8"PVC @ 23.1%

33.0'

29.0'

17.0'

13.0'

VETERANS MEMORIAL PARKWAY

DCI 1-2 TOP=479.70 FL 15" IN=472.90 FL 30" OUT=471.97

CI 1-3 TOP=478.60 FL=473.50

Proposed 2" Water Service

4.07% SLOPE

100 YR FLOOD EXTENTS BASED ON CURRENT TOPOGRAPHY AND PUBLISHED FLOOD ELEVATION= 478.50 (ENTIRE SITE WITHIN ZONE AE ON F.I.R.M. DATED AUG. 2,1996)

185'-60" CMP @ 0.50%

60'-15" CMP @1.00%

9'-30" CMP @ 0.50%

S.45°03'48"E. 235.89'

S.45°03'48"E. 126.32'

S.61°49'52"E. 109.64'

N.60°04'51"E. 23.00'

WATER STRUCTURE RAISE TO GRADE

REPLACE EXISTING F.E.S. SECTION WITH JUNCTION BOX/ OUTFALL STRUCTURE EXTEND EXISTING PIPE AS REQUIRED

TOP=483.90 FL 54" OUT=468.13 FL 60" IN=471.00 OUTFALL STRUCTURE (SEE DETAIL) OS 1-1

CONTRACTOR TO VERIFY DEPTH OF TELEPHONE LINE PRIOR TO EXCAVATION AND CONTACT ENGINEER AND TELEPHONE COMPANY FOR RELOCATION IF REQUIRED

PROPOSED FIRE HYDRANT (SEE DETAIL)

Proposed Water Meter and Valve (Water meters, valves and appurtenance built per Water District Standards)

Tap existing water main per City of O'Fallon Public Water Supply District Standards

PROPOSED LIMITS OF 100 YEAR FLOOD EXTENTS ELEVATION = 478.50

100 YR FLOOD EXTENTS BASED ON CURRENT TOPOGRAPHY AND PUBLISHED FLOOD ELEVATION= 478.50 (ENTIRE SITE WITHIN ZONE AE ON F.I.R.M. DATED AUG. 2,1996)

EXIST. CONC PAVEMENT

FLOODWAY LINE PER F.I.R.M. (DATED AUG. 2, 1996)

END CONC PIPE FL=464.74

FES FL=464.83

100 Year Floodplain
Elevation = 478.50
Based on F.I.R.M. #29183 dated 8/2/96
- Existing 100 yr Floodplain
- Proposed 100 yr Floodplain

BELLEAU CREEK ROAD

THIS SITE IS SERVICED BY:

GAS: ST. CHARLES GAS CO.
1 WESTBURY DR. BLDG D
ST. CHARLES, MO 63301
(636) 946-8937

WATER: ALLIANCE WATER RESOURCES
205 E. ELM ST.
O'FALLON, MO 63366
(636) 272-6818 x227
RICK SWENGROSH

ELECTRIC: AMEREN UE
200 CALLAHAN RD.
WENTZVILLE, MO 63385
(636) 639-8312
JOHN CLARK

TELEPHONE: GTE TELEPHONE
680 PARR RD.
WENTZVILLE, MO 63385
(636) 332-7392
CARL OWENS

FIRE: O'FALLON FIRE DEPARTMENT
119 E. ELM DR.
O'FALLON, MO 63366
(636) 272-3493
TWILA KENIG

SCHOOL: FORT ZUMWALT DISTRICT
110 VIRGIL ST.
O'FALLON, MO 63366
(636) 272-6620
DR. BERNARD BUBAY

SANITARY SEWER: ALLIANCE
O'FALLON WATER AND SEWER
205 EAST ELM STREET
O'FALLON, MO 63366
(636) 272-6818 x223
DAN SCHERER

EARTHWORK QUANTITIES

Earth Cut =	58.7 cu yd
Rock Cut =	0.0 cu yd
Expansion @ 0.15 =	0.0 cu yd
Total Matl Avail =	58.7 cu yd
Rock Fill =	0.0 cu yd
Earth Fill =	13136.3 cu yd
Shrinkage @ 0.10 =	1313.6 cu yd
Total Fill Reqd =	14449.9 cu yd
Shortage =	14391.3 cu yd

NOTES

1. ROUTE CANOPY AND BUILDING ROOF DRAINS AND DOWNSPOUTS TO DRAINAGE SYSTEM WITH SCHEDULE 40 PVC (ABOVE GRADE ONLY). USE SDR 35 PVC BELOW GRADE.
2. CONTRACTOR TO VERIFY DEPTH, TYPE, SIZE AND LOCATION OF ALL EXISTING UTILITIES PRIOR TO EXCAVATION.
3. ALL EXISTING ON-SITE STRUCTURES, SIDEWALK, CONCRETE OR ASPHALT SURFACES, CURBING, UTILITY POLES, SEWER STRUCTURES, UTILITY SERVICES, FENCES, TREES, SHRUBS AND DEBRIS SHALL BE DEMOLISHED AND REMOVED FROM THE SITE AND PROPERLY DISPOSED OF ALL IN A MANNER APPROVED BY THE REGULATING GOVERNMENTAL AGENCIES, UNLESS OTHERWISE NOTED.
4. CONTRACTOR SHALL PRESERVE AND PROTECT ALL EXISTING IMPROVEMENTS (WHICH ARE NOT TO BE REMOVED) WITHIN THE PROJECT LIMITS OR ADJACENT THERETO FROM DAMAGE AS A RESULT OF HIS ACTIVITIES IN THE PERFORMANCE OF WORK.
5. ALL "ON SITE" STORM SEWERS SHALL REMAIN PRIVATE.

The original of this drawing is on file at the office of The Clayton Engineering Company. Any modifications to this drawing shall release said Clayton Engineering Company, the Engineer and/or the Surveyor whose seal appears hereon from any liability resulting from said unauthorized modifications.

6.	3/26/01	AJM	REVISED ENTRANCE ON BELLEAU CREEK & SANITARY PER CITY
5.	3/1/01	AJM	REVISED PER MoDOT
4.	1/19/01	AJM	REVISED PER CITY
3.	1/3/01	AJM	REVISED PER QUIKTRIP & CITY
2.	12/12/00	AJM	REVISED PER QUIKTRIP
1.	11/9/00	AJM	REVISED PER QUIKTRIP

REVISIONS

QUIKTRIP CORPORATION
2255 BLUESTONE DRIVE
ST. CHARLES, MO. 63303
PH # (636) 916-5706
FAX # (636) 916-5754

QUIKTRIP #640
GRADING AND UTILITY PLAN

801 BELLEAU CREEK ROAD O'FALLON, MISSOURI 63366

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

Underground facilities, structures and utilities have been plotted from available surveys, records and information, and therefore, do not necessarily reflect the actual existence, non-existence, size, type, number of, or location of these facilities, structures, and utilities. The Contractor shall be responsible for verifying the actual location of all underground facilities, structures, and utilities, either shown or not shown on these plans. The underground facilities, structures, and utilities shall be located in the field prior to any grading, excavation or construction of improvements. These provisions shall in no way absolve any party from complying with the Underground Facility Safety and Damage Prevention Act, Chapter 319, RSMO.

DAVID A. COLVIN NUMBER E-19276 REGISTERED PROFESSIONAL ENGINEER

the clayton engineering company, inc.
ENGINEERS • SURVEYORS • PLANNERS
11920 WESTLINE INDUSTRIAL DRIVE
ST. LOUIS, MISSOURI 63146
(314)-692-8888 FAX: (314) 692-8688
clayton-engineering.com

Designed	EEK/AJM
Drawn	AJM
Checked	DAC
Date	10/10/00
Project Number	99301
Sheet Number	2 of 11

F.S. | F.B. | SUR. | FILE P:\99301\PLANS\CONST02.DWG | PLOTTED 03/27/2001 10:19 AM