PRINT DIST.	8G57-X-52G23

REVISIONS

REV.	W.S.
2	2-03

FIRST ISSUE

REV	DATE	DRAWN
1	4-7-03	R.C.K.
CHKD	SUPV	APPD
2	2APR	J.S.
	2MAY	1464

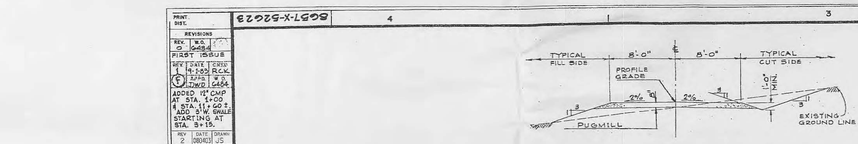
ADDED 12" CMP AT STA. 5+00 & STA. 11+00 & ADD 5'W. SWALE STARTING AT STA. 5+15.

REV	DATE	DRAWN
2	080403	JS
CHKD	SUPV	APPD
NOT	SKO	BLC
K.C. 03942		FILM

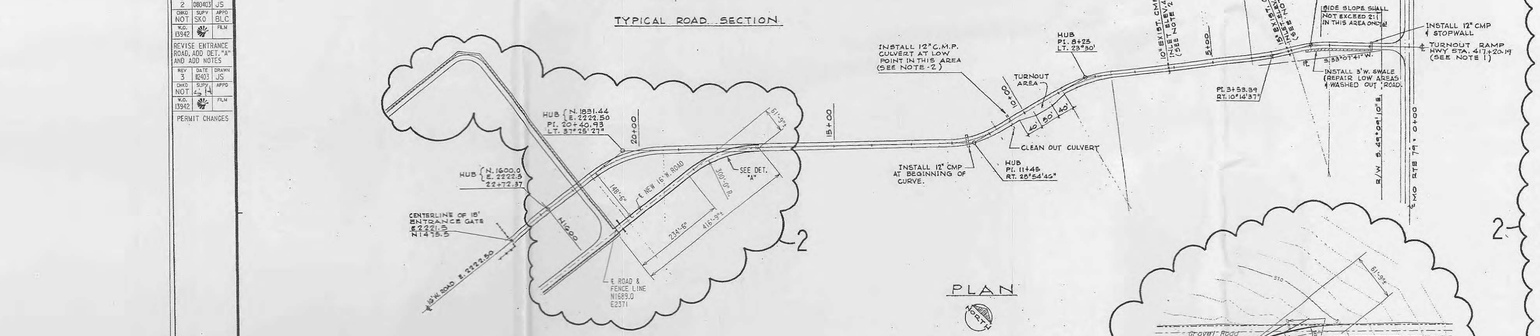
REVISE ENTRANCE ROAD, ADD DET. "A" AND ADD NOTES

REV	DATE	DRAWN
3	10403	JS
CHKD	SUPV	APPD
NOT		
K.C. 03942		FILM

PERMIT CHANGES



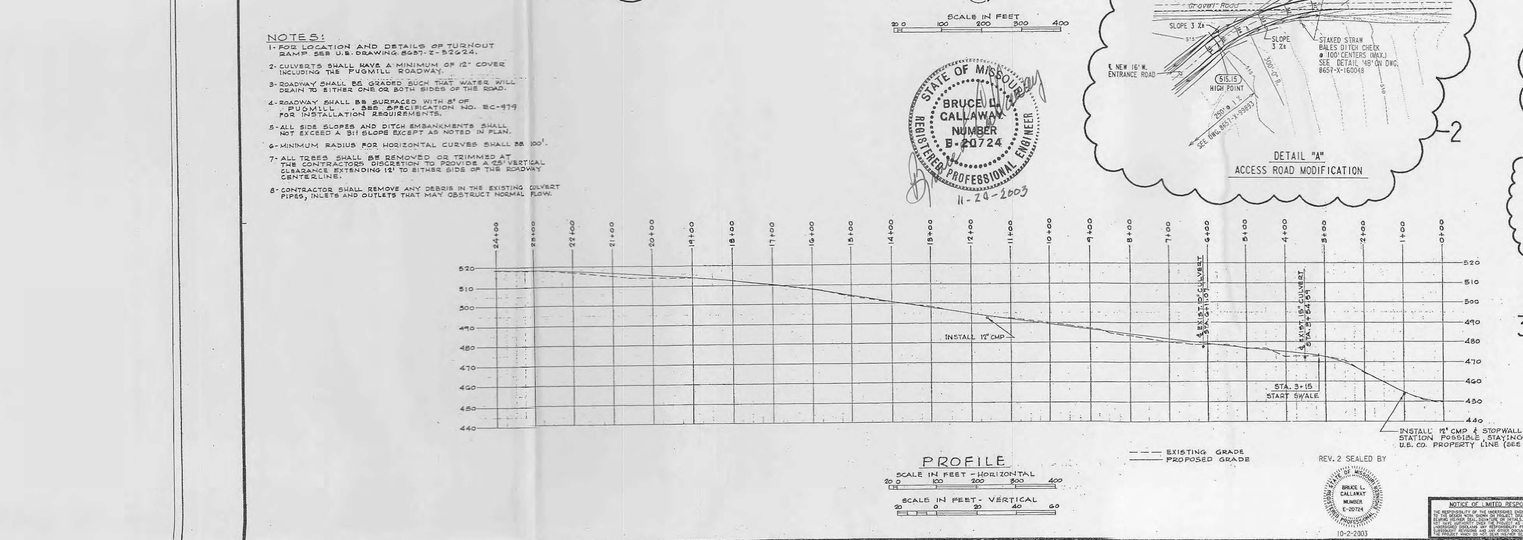
TYPICAL ROAD SECTION



PLAN

SCALE IN FEET

20 0 100 200 300 400



PROFILE

SCALE IN FEET - HORIZONTAL

20 0 100 200 300 400

SCALE IN FEET - VERTICAL

20 0 20 40 60

--- EXISTING GRADE
—— PROPOSED GRADE

STATE OF MISSOURI
BRUCE L. CALLAWAY
NUMBER E-20724
REGISTERED PROFESSIONAL ENGINEER
11-24-2003

REV. 2 SEALED BY

STATE OF MISSOURI
BRUCE L. CALLAWAY
NUMBER E-20724
REGISTERED PROFESSIONAL ENGINEER
10-2-2003

NOTES:

1. FOR LOCATION AND DETAILS OF TURNOUT RAMP, SEE U.B. DRAWING 8G57-Z-52G24.
2. CULVERTS SHALL HAVE A MINIMUM OF 12" COVER INCLUDING THE PUGMILL ROADWAY.
3. ROADWAY SHALL BE GRADED SUCH THAT WATER WILL DRAIN TO EITHER ONE OR BOTH SIDES OF THE ROAD.
4. ROADWAY SHALL BE SURFACED WITH 8" OF PUGMILL. - SEE SPECIFICATION NO. EC-939 FOR INSTALLATION REQUIREMENTS.
5. ALL SIDE SLOPES AND DITCH EMBANKMENTS SHALL NOT EXCEED A 3:1 SLOPE EXCEPT AS NOTED IN PLAN.
6. MINIMUM RADIUS FOR HORIZONTAL CURVES SHALL BE 100'.
7. ALL TREES SHALL BE REMOVED OR TRIMMED AT THE CONTRACTORS DISCRETION TO PROVIDE A 14' VERTICAL CLEARANCE EXTENDING 12' TO EITHER SIDE OF THE ROADWAY CENTERLINE.
8. CONTRACTOR SHALL REMOVE ANY DEBRIS IN THE EXISTING CULVERT PIPES, INLETS AND OUTLETS THAT MAY OBSTRUCT NORMAL FLOW.

(CONTINUATION OF REV. 2)

13. SEDIMENT AND EROSION CONTROL SHALL NOT THE CONTRACTOR, WITH THE APPROVAL OF TH SHALL UTILIZE BEST MANAGEMENT PRACTICES PROPERTIES, ROADWAYS, STORM SEWERS, AND D
14. THE CONTRACTOR SHALL ASSUME COMPLETE R EROSION OF THE PROJECT AREA. THE CONTRA CONTROL EROSION AND SILTATION INCLUDING SILTATION FABRIC FENCES (POSSIBLE METHO SHALL COMMENCE WITH GRADING AND BE MAI OF THE WORK BY THE OWNER AND/OR THE CI INCLUDE ALL DESIGN AND IMPLEMENTATION O OF SILT. THE OWNER AND/OR THE CITY OF O IN HIS METHODS AS DEEMED FIT TO PROTECT OR MUD ON NEW OR EXISTING PAVEMENT OR REMOVED AFTER EACH RAIN AND AFFECTED AN THE CITY OF O'FALLON.
15. ALL FILLED PLACES UNDER PROPOSED STORM INCLUDING TRENCH BACKFILLS WITHIN AND O 90 PERCENT OF MAXIMUM DENSITY AS DETER TEST (ASTM D-1557). ALL TESTS SHALL BE GRADING AND BACKFILLING OPERATIONS.
16. ALL FILLED PLACES IN PROPOSED ROADS SHA TO 90 PERCENT MAXIMUM DENSITY AS DETER TEST (ASTM D-1557). PAVED AREAS IN CUTS TESTS SHALL BE VERIFIED BY A SOILS ENG
17. ANY WELLS AND/OR SPRINGS WHICH MAY EXI IN A MANNER ACCEPTABLE TO THE ST. CHARL
18. ALL TRASH AND DEBRIS ON-SITE, EITHER EXI PROPERLY DISPOSED OF OFF-SITE.
19. DEBRIS AND FOUNDATION MATERIAL FROM AN SCHEDULED TO BE RAZED FOR THIS DEVELOPM
20. SOFT SOILS IN THE BOTTOM AND BANKS OF OR ANY SEDIMENT BASINS OR TRAPS SHOULD SUFFICIENTLY TO BE USED AS FILL. NONE O PUBLIC RIGHT-OF-WAY LOCATIONS ON ANY
21. THE CHIEF INSPECTOR OF THE ST. CHARLES C PRIOR TO THE COMMENCEMENT OF GRADING A
22. TEMPORARY SILTATION CONTROL MEASURES IS IS ESTABLISHED AT A SUFFICIENT DENSITY
23. UPON COMPLETION OF STORM SEWERS, SILTATI INLETS AND SHALL REMAIN UNTIL THE DISTU
24. WHERE NATURAL VEGETATION IS REMOVED, DU SUCH A DENSITY AS TO PREVENT EROSION.
25. WHEN MECHANIZED LAND CLEARING ACTIVITIE EITHER TEMPORARY VEGETATION MUST BE EST MUST BE PUT IN PLACE WITH THE REVIEW A
26. WHEN GRADING OPERATIONS ARE COMPLETED MUST BE ESTABLISHED AT SUFFICIENT DENSI PERMANENT GRASS SEEDING PERIODS, TEMPORA ENGINEER'S RECOMMENDATION.
27. ALL FINISHED GRADES (AREAS NOT TO BE DIS SLOPES 3:1) SHALL BE MULCHED AND TACKED HIGH SEEDED.
28. ALL EROSION CONTROL SYSTEMS SHALL BE IN 24 HOURS OF ANY RAINSTORM RESULTING IN
29. NO GRADED AREA IS TO REMAIN BARE FOR OV
30. UPON COMPLETION OF ALL CONSTRUCTION, ALL BASIN AND THE DESIGN GRADES AND CONTOUR
31. DEVELOPER MUST SUPPLY CITY CONSTRUCTION SITE SOIL TESTING.
32. BRICK SHALL NOT BE USED IN THE CONSTRUC
33. ALL PROPOSED FENCING REQUIRES A SEPARAT
34. THE PROPOSED EXPANSION OF AMEREN'S BELL XIII OF THE ZONING CODE, PERFORMANCE STA
35. WASHDOWN AREA SHALL BE MAINTAINED IN A OF SEDIMENT ONTO A PUBLIC RIGHT-OF-WAY. ADDITIONAL STONE AS CONDITIONS DEMAND AN TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, RIGHT-OF-WAY MUST BE REMOVED IMMEDIATEL
36. WHEELS SHALL BE CLEANED TO REMOVE SEDIM WHEN WASHING IS REQUIRED, IT SHALL BE DO DRAINS INTO AN APPROVED SEDIMENT TRAP.
37. PERIODIC INSPECTION AND NEEDED MAINTENAN EACH BASIN.

VEGETATIVE ESTABLISHMENT:

SEEDING: PERMANENT: FESCUE @

TEMPORARY: WHEAT OR

MULCH RATES: 100 LBS. PER 100

FERTILIZER RATES: NITROGEN - PHOSPHATE - 30 LBS. PER ACRE POTASSIUM - 30 LBS. PER ACRE LIME - 600 LBS. PER ACRE - (P

EV

BY

PROPERTY CROSS SECTS. & DETS
PROPERTY YARD PLAN GRADING

NOTICE OF LIMITED RESPONSIBILITY
THE RESPONSIBILITY OF THE UNDERSIGNED ENGINEER IS LIMITED TO THE DESIGN WORK SHOWN ON PLANS BEARING HIS/HER SEAL, SIGNATURE OR INITIALS. HE/SHE DOES NOT HAVE AUTHORITY OVER THE GENERAL CONSTRUCTION OPERATIONS OR OVER THE WORK OF OTHERS. HE/SHE HAS NO AUTHORITY TO MONITOR THE CONSTRUCTION PROJECT TO ASSURE THAT THE CONTRACTOR IS CARRYING OUT HIS/HER OBLIGATIONS. HE/SHE DOES NOT GUARANTEE THE PERFORMANCE OF THE CONTRACTORS OR ANY OTHER ORGANIZATION OR PERSON IN THE CONSTRUCTION INDUSTRY. HE/SHE DOES NOT GUARANTEE THE PROPER EXECUTION OF THE WORK OF OTHERS.

STATE OF MISSOURI
CARL W. BEZGANYA
NUMBER E-19997
REGISTERED PROFESSIONAL ENGINEER

DF/APR 10-3-03
Dr. PULLIAM
CHKD. 2-3-03
SUPV. 2-3-03
APPD. 2-3-03
UNION ELE
ST. L

R:\DELL\STRUCESDS.DWG 11/24/2003 11:42:21 AM