

MP INDUSTRIES
 PART OF SEC. 22 & PART OF U.S. SURVEY 63
 , T. 47 N., R. 3 E.
 CITY OF O'FALLON, ST. CHARLES CO., MO.

VILLA CROSSING PLAT ONE

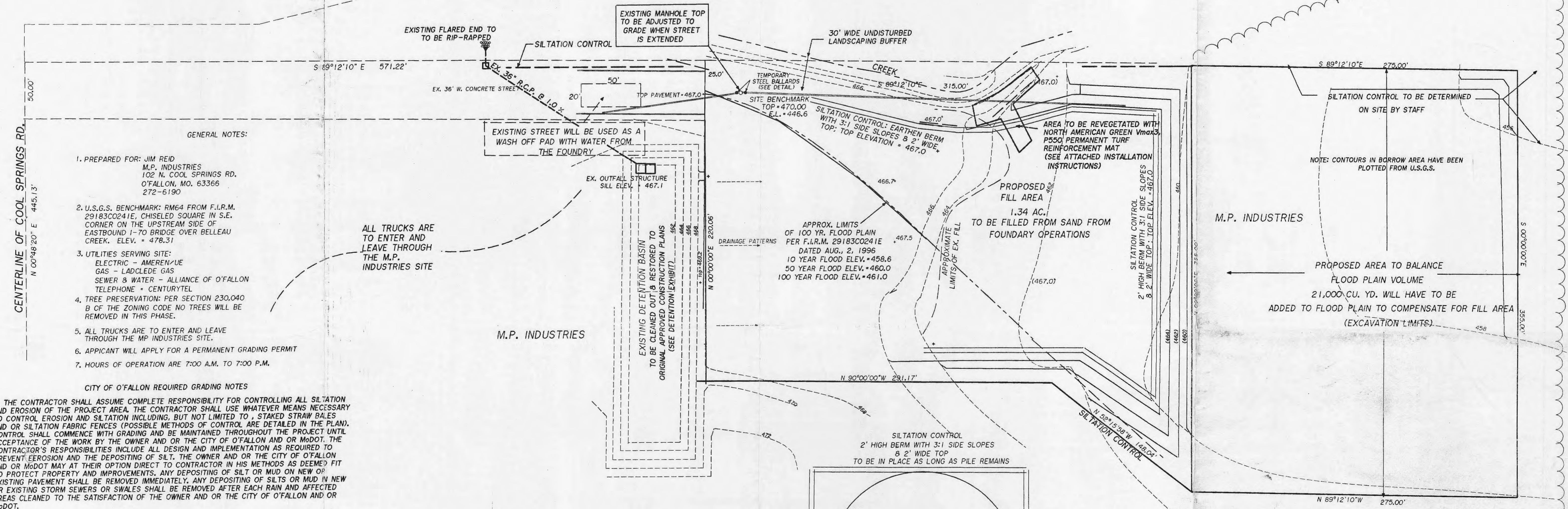
OWNERS: PATRICK & WENDY HENRY
 BARBARA TAYLOR
 CHAS. & MARLYN SHAFFER
 PETE & JUDY VITALE

OWNERS: DANIEL & KAREN MUSE
 HOLLAND FAMILY TRUST
 SUSAN CHEATHAM

OWNERS: SIGRID BRIGHT
 WILLIAM LAWHORN
 VILLA CROSSING HOME OWNERS ASSOC.
 CHARLES MORRIS

OWNERS: GEORGE & MARGARET ROSS
 LUCIE PHILLIPS
 BETTY SCHENE

COMMON GROUND
 VILLA CROSSING HOME OWNERS ASSOC.



- GENERAL NOTES:
1. PREPARED FOR: JIM REID
 M.P. INDUSTRIES
 102 N. COOL SPRINGS RD.
 O'FALLON, MO. 63366
 272-6190
 2. U.S.G.S. BENCHMARK: RM64 FROM F.I.R.M. 29183C0241E, CHISELED SQUARE IN S.E. CORNER ON THE UPSTREAM SIDE OF EASTBOUND I-70 BRIDGE OVER BELLEAU CREEK. ELEV. = 478.31
 3. UTILITIES SERVING SITE:
 ELECTRIC - AMEREN/UE
 GAS - LADCLEDE GAS
 SEWER & WATER - ALLIANCE OF O'FALLON
 TELEPHONE - CENTURYTEL
 4. TREE PRESERVATION: PER SECTION 230.040 B OF THE ZONING CODE NO TREES WILL BE REMOVED IN THIS PHASE.
 5. ALL TRUCKS ARE TO ENTER AND LEAVE THROUGH THE MP INDUSTRIES SITE.
 6. APPLICANT WILL APPLY FOR A PERMANENT GRADING PERMIT
 7. HOURS OF OPERATION ARE 7:00 A.M. TO 7:00 P.M.

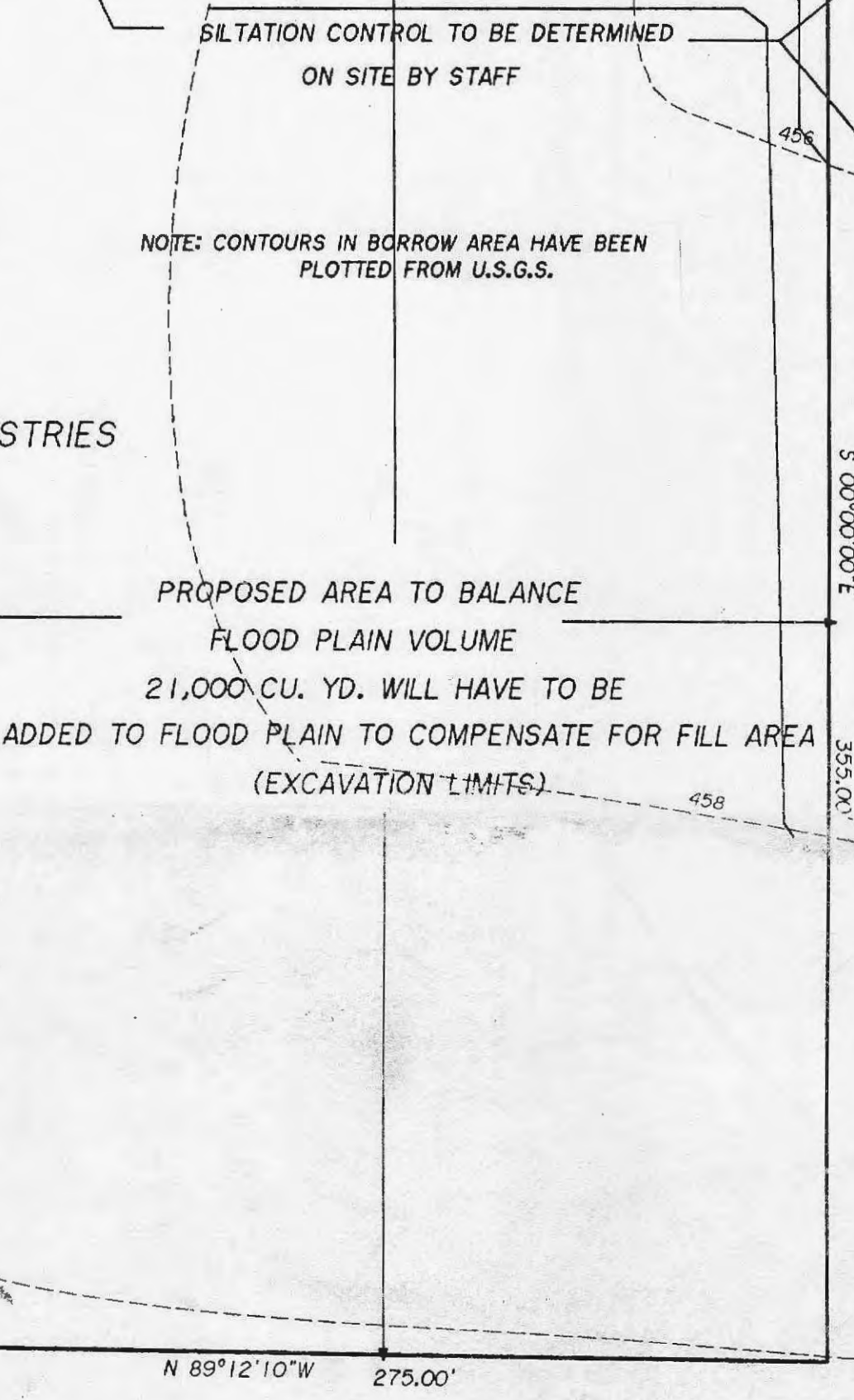
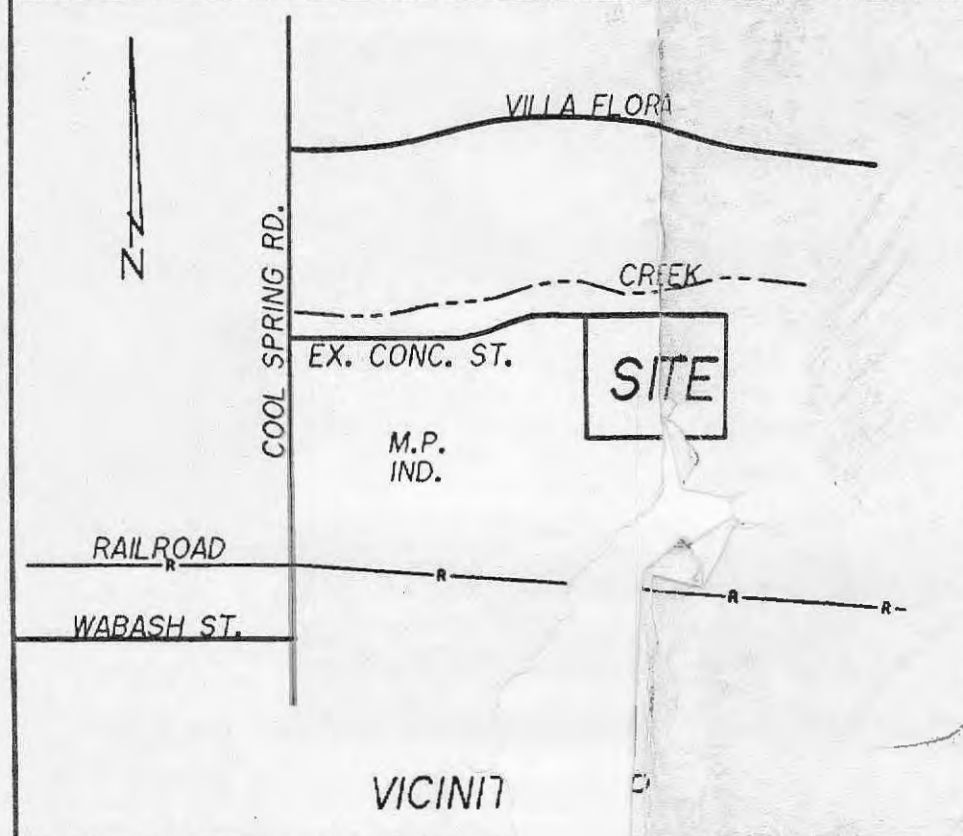
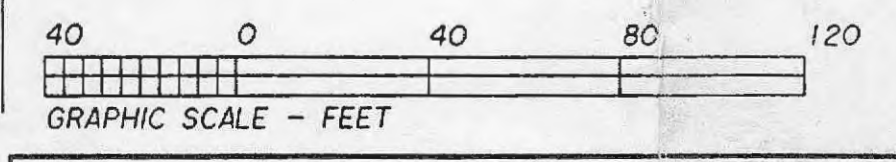
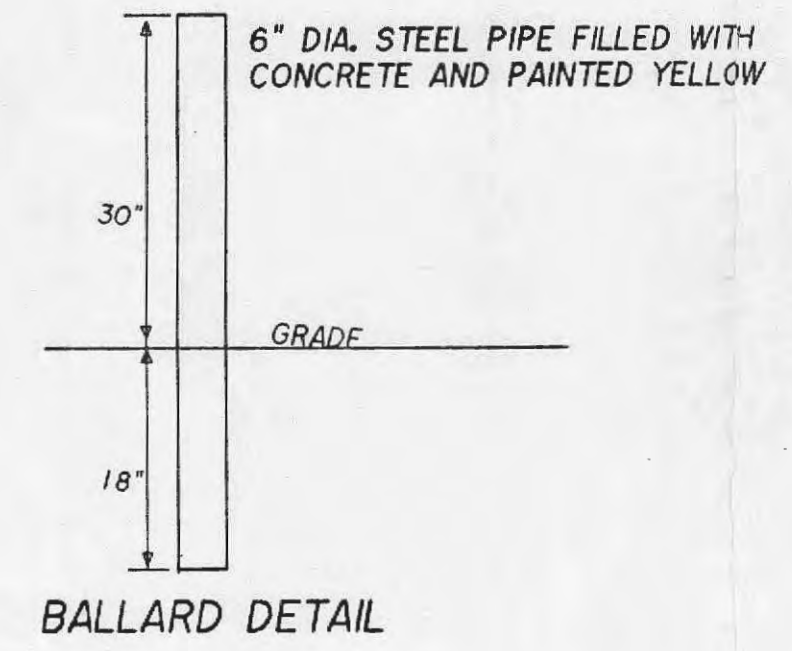
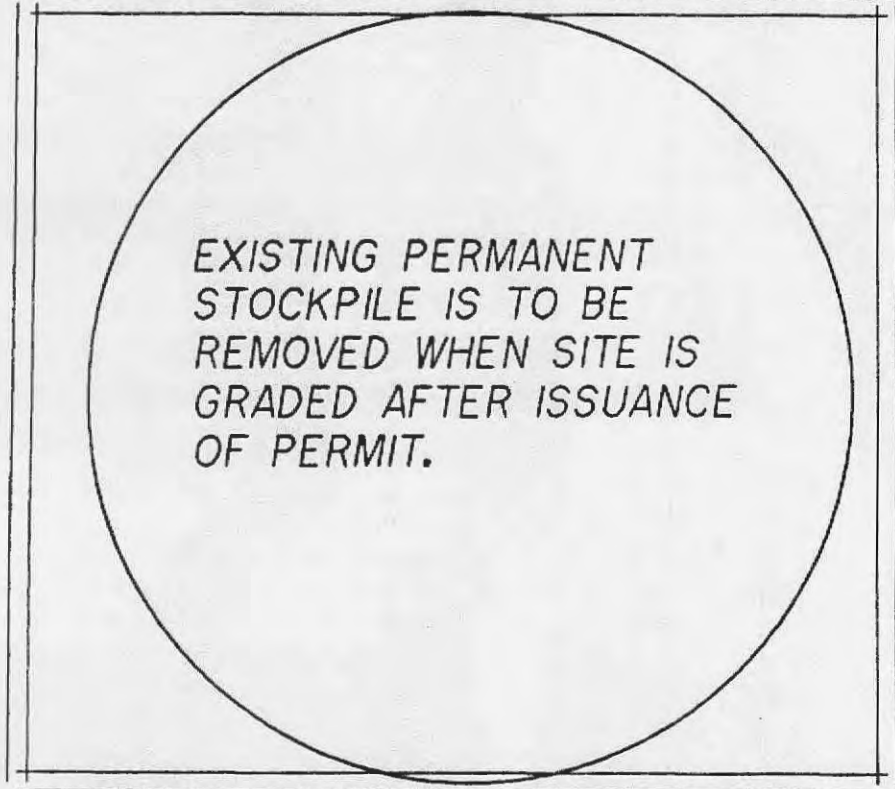
CITY OF O'FALLON REQUIRED GRADING NOTES

1. THE CONTRACTOR SHALL ASSUME COMPLETE RESPONSIBILITY FOR CONTROLLING ALL SILTATION AND EROSION OF THE PROJECT AREA. THE CONTRACTOR SHALL USE WHATEVER 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 GRADING AND BE MAINTAINED THROUGHOUT THE PROJECT UNTIL ACCEPTANCE OF THE WORK BY THE OWNER AND OR THE CITY OF O'FALLON AND OR MoDOT. THE CONTRACTOR'S RESPONSIBILITIES INCLUDE ALL DESIGN AND IMPLEMENTATION AS REQUIRED TO PREVENT EROSION AND THE DEPOSITING OF SILT. THE OWNER AND OR THE CITY OF O'FALLON AND OR MoDOT MAY AT THEIR OPTION DIRECT TO CONTRACTOR 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 IMMEDIATELY. ANY DEPOSITING OF SILTS OR MUD IN NEW OR EXISTING STORM SEWERS OR SWALES SHALL BE REMOVED AFTER EACH RAIN AND AFFECTED AREAS CLEANED TO THE SATISFACTION OF THE OWNER AND OR THE CITY OF O'FALLON AND OR MoDOT.
2. ALL FILL PLACED UNDER PROPOSED STORM AND SANITARY SEWERS, PROPOSED ROADS, AND OR PAVED AREAS SHALL BE COMPACTED TO 90% OF MAXIMUM DENSITY AS DETERMINED BY THE MODIFIED AASHTO T-180 COMPACTION TEST OR 95% OF MAXIMUM DENSITY AS DETERMINED BY THE STANDARD PROCTOR TEST AASHTO T-99. ALL FILL PLACED IN PROPOSED ROADS SHALL BE COMPACTED FROM THE BOTTOM OF THE FILL UP. ALL TESTS SHALL BE VERIFIED BY A SOILS ENGINEER CONCURRENT WITH GRADING AND BACKFILL OPERATIONS. THE MOISTURE CONTENT OF THE SOIL IN FILL AREAS IS TO CORRESPOND TO THE COMPACTIVE EFFORT AS DEFINED BY STANDARD OR MODIFIED PROCTOR TEST. OPTIMUM MOISTURE CONTENT SHALL BE DETERMINED USING THE SAME TEST THAT WAS USED FOR COMPACTION. SOIL COMPACTION CURVES SHALL BE SUBMITTED TO THE CITY OF O'FALLON PRIOR TO THE PLACEMENT OF FILL. PROOF ROLLING MAY BE REQUIRED TO VERIFY SOIL STABILITY AT THE DISCRETION OF THE CITY OF O'FALLON.
3. DEVELOPER MUST SUPPLY CITY CONSTRUCTION INSPECTORS WITH SOIL REPORTS PRIOR TO OR DURING SITE SOIL TESTING. THE SOIL REPORT WILL BE REQUIRED TO CONTAIN THE FOLLOWING INFORMATION ON SOIL TEST CURVES (PROCTOR REPORTS) FOR PROJECTS WITHIN THE CITY:
 1. MAXIMUM DRY DENSITY
 2. OPTIMUM MOISTURE CONTENT
 3. MAXIMUM AND MINIMUM ALLOWABLE MOISTURE CONTENT
 4. CURVE MUST BE PLOTTED TO SHOW DENSITY FROM A MINIMUM OF 90% COMPACTION AND ABOVE AS DETERMINED BY THE "MODIFIED AASHTO T-180 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', (A.S.T.M.-D-698). PROCTOR TYPE MUST BE DESIGNATED ON THE DOCUMENT.
 5. CURVE MUST HAVE AT LEAST 5 DENSITY POINTS WITH MOISTURE CONTENT AND SAMPLE LOCATIONS LISTED ON THE DOCUMENT.
 6. SPECIFIC GRAVITY
 7. NATURAL MOISTURE CONTENT
 8. LIQUID LIMIT
 9. PLASTIC LIMIT
4. NO SLOPES SHALL BE STEEPER THAN 3 FT. HORIZONTAL TO 1 FT. VERTICAL.
5. GRADED AREAS THAT ARE TO REMAIN BARE FOR OVER 2 WEEKS ARE TO BE SEEDED AND MULCHED.
6. ALL EROSION CONTROL SYSTEMS ARE INSPECTED AND NECESSARY CORRECTIONS MAKE WITHIN 24 HOURS OF ANY RAINSTORM RESULTING IN 1/2 INCH OF RAIN OR MORE.
7. ALL LOW PLACES WHETHER ON SITE OR OFF SITE ARE GRADED TO ALLOW DRAINAGE. THIS CAN BE ACCOMPLISHED WITH TEMPORARY DITCHES.
8. COMPACTION TESTING WILL PROVIDED FOR EVERY 10,000 SQ. FT. OF AREA
9. ALL FILL PLACED IN THE BERMS NEEDS TO BE 85% OF MAXIMUM DENSITY AS DETERMINED BY THE MODIFIED AASHTO 180 COMPACTION TEST.

ALL TRUCKS ARE TO ENTER AND LEAVE THROUGH THE M.P. INDUSTRIES SITE

M.P. INDUSTRIES

M.P. INDUSTRIES



CITY OF O'FALLON
 COMMUNITY DEVELOPMENT DEPARTMENT
 ACCEPTED FOR CONSTRUCTION
 BY: [Signature] DATE: 1-9-09
 PROFESSIONAL ENGINEER'S SEAL
 INDICATES RESPONSIBILITY FOR DESIGN

- REV. 6-09-08: ADDED ADDITIONAL COMMENTS
- REV. 1-15-08: REMOVE STORAGE AREA AND ADDED ADDITIONAL COMMENTS
- REV. 10-23-07: ADDED STORAGE AREA

Landmark Surveying & Engineering, Inc.
 802 E. Main St., Wentzville, Mo., 63385
 636-332-9190 327-5853 Troy: 528-5452 Fax: 332-9288

GRADING PLAN			
drwn: DW	chd:	rev: DW	job no:
date: 5-10-07	date:	date: 9-14-07	
M.P. INDUSTRIES			1/2

Const. Inspector

RECEIVED DEC 16 2008