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ENGINEERING INC.**

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PREPARED UNDER THE
SUPERVISION OF:



REVISIONS

**Mr. Bryan Shantery
Storm Water Pollution Prevention Plan
SWPPP SITE PLAN**

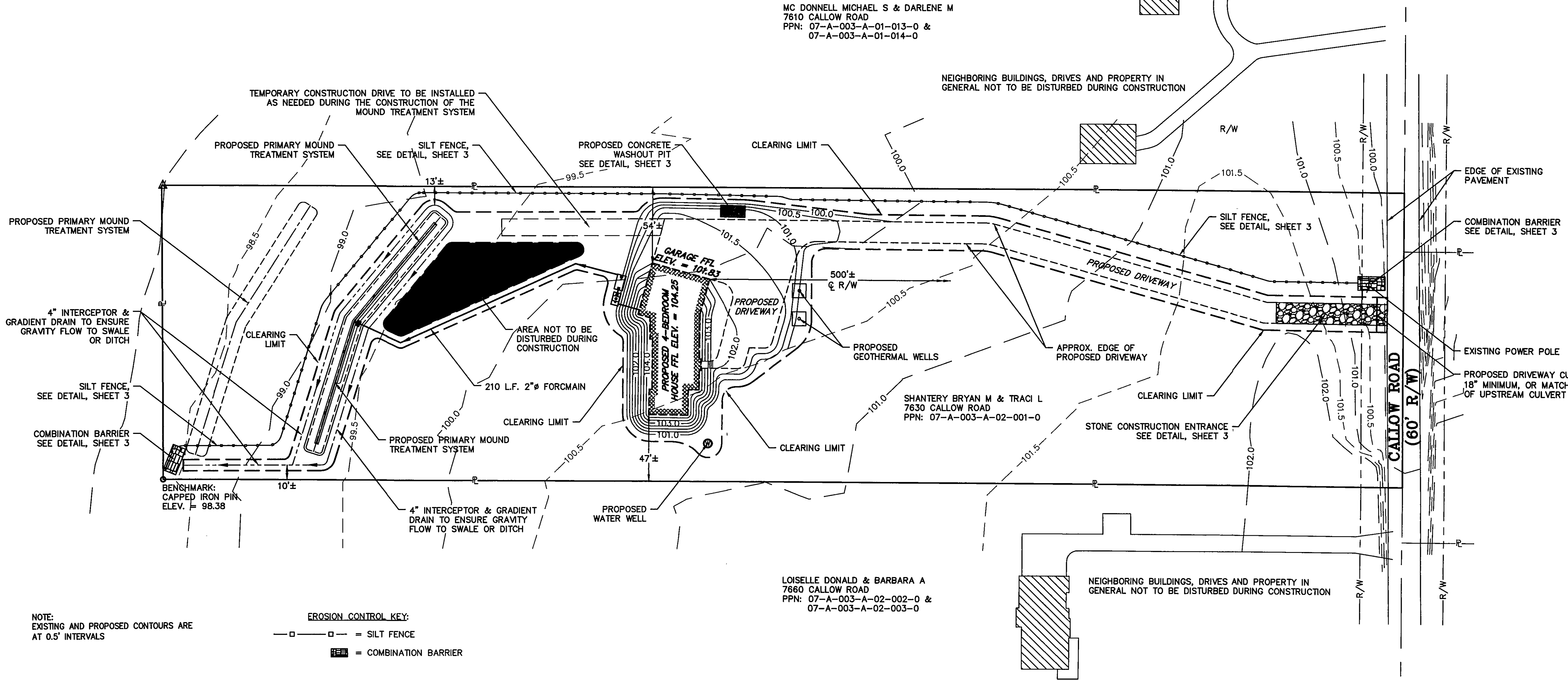
SITE LOCATION: 7630 Callow Road
Leroy Twp., Lake County, State of Ohio

Site Address:
7630 Callow Road
Leroy Twp.,
Lake Co., State of Ohio

Prepared For:
Mr. Bryan Shantery
5795 Taylor Rd.
Leroy Twp., OH 44077

HESS Project # 07-016

DESIGNED BY: CRE
DRAWN BY: CRE
CHECKED BY: GJH
DATE: 8/2007
SCALE: 1" = 40' H.
: N/A V.



EROSION and SEDIMENT CONTROL

MINIMIZE TRACKING OF SEDIMENTS BY VEHICLES BY UTILIZING THE CONSTRUCTION ENTRANCE AS THE ONLY ENTRANCE FOR VEHICLES. MAINTAIN THIS ENTRANCE WITH STONE AS NEEDED TO PREVENT DIRT AND MUD FROM BEING TRACKED ONTO ROADWAY. REGULAR SWEEPING OF THE ROADWAY MAY BE NECESSARY TO ENSURE ROADWAY DOES NOT BUILD UP WITH SEDIMENTS.

SEDIMENT/STORM WATER PONDS AND EROSION AND SEDIMENT CONTROLS SHALL BE IMPLEMENTED AS THE FIRST STEP OF GRADING AND WITHIN 7 DAYS FROM THE START OF GRUBBING. UPON COMPLETION OF CONSTRUCTION OF PONDS, SEEDING AND MULCHING SHALL IMMEDIATELY FOLLOW TO AID IN THE STABILIZATION AND MINIMIZE EROSION AND SEDIMENT TRANSPORT OF THE SOIL BEFORE WATER LEAVES THE POND. ALL EROSION AND SEDIMENT CONTROLS SHALL CONTINUE TO FUNCTION UNTIL DISTURBED AREAS ARE RESTABILIZED.

NO SOLID OR LIQUID WASTE SHALL BE DISCHARGED INTO STORM WATER RUNOFF. (THIS INCLUDES WASHING OUT CEMENT TRUCKS). DESIGNATED WASH PIT AREAS MUST BE PRESET FOR THIS PURPOSE AWAY FROM AREAS OF STORM RUNOFF.

THE OWNER MUST PROVIDE REGULAR INSPECTION AND MAINTENANCE FOR ALL EROSION AND SEDIMENT CONTROL PRACTICES. PERMANENT RECORDS OF MAINTENANCE AND INSPECTIONS MUST BE KEPT THROUGHOUT THE CONSTRUCTION PERIOD. INSPECTION MUST BE MADE A MINIMUM OF ONCE EVERY SEVEN (7) DAYS AND IMMEDIATELY AFTER STORM EVENTS GREATER THAN 0.5 INCHES OF RAIN IN A 24 HOUR PERIOD. NAME OF OWNER'S DESIGNATED INSPECTOR, MAJOR OBSERVATIONS, DATE OF INSPECTIONS AND CORRECTIVE MEASURES TAKEN MUST BE NOTED ON ALL INSPECTIONS.

SEDIMENT CONTROL SHALL BE ACCOMPLISHED BY SEEDING AND MULCHING TO ALL DISTURBED AREAS IMMEDIATELY UPON COMPLETION OF EXCAVATION OR FILL AND FINISH GRADING IN ACCORDANCE WITH ODOT ITEM 659 AND/OR AS DESIGNATED BY THE LAKE COUNTY SOIL AND WATER CONSERVATION DISTRICT.

TEMPORARY SEEDING SHALL BE APPLIED WITHIN ALL NEW ROADWAY AREAS, UTILITY EASEMENTS AND/OR AREAS REQUIRING ONLY TEMPORARY SEEDING, AND SHALL BE PERFORMED AS SOON AS GRADING IS COMPLETED AND READY FOR RELEASE. NO RELEASE BEYOND 80% SHALL BE MADE FOR EARTHWORK ITEMS UNTIL SEDIMENT CONTROL IS IN PLACE TO PROTECT SAID WORK ITEMS.

CONTRACTOR SHALL COMPLY WITH THE MAINTENANCE SCHEDULE INCLUDED IN THE APPROVED PLANS FOR THE PROPOSED EROSION CONTROLS.

APPROPRIATE EROSION CONTROL METHODS MUST BE IN PLACE PRIOR TO ANY EARTHWORK COMMENCING.

SITE STABILIZATION, EITHER PERMANENT OR TEMPORARY, MUST FOLLOW THE REQUIREMENTS AS APPLICABLE PER TABLE 1 OR TABLE 2 ON SHEET 3.

EROSION and SEDIMENT CONTROL (cont'd)

THE CONTRACTOR SHALL LIMIT THE SURFACE AREA OF ERODIBLE EARTH MATERIAL EXPOSED BY EXCAVATION, BORROW, AND FILL OPERATIONS AND PROVIDE IMMEDIATE PERMANENT OR TEMPORARY CONTROL MEASURES TO PREVENT CONTAMINATION OF ADJACENT STREAMS OR OTHER COURSES, LAKES, PONDS, WETLANDS OR OTHER AREAS OF WATER IMPOUNDMENT.

THIS WORK SHALL CONSIST OF TEMPORARY CONTROL MEASURES AS DETAILED ON THE PLANS OR ORDERED BY THE ENGINEER DURING THE LIFE OF THE CONTRACT TO CONTROL SOIL EROSION AND SEDIMENTATION THROUGH USE OF SILT FENCES, SLOPE PROTECTION, SEDIMENT BASINS, MULCHES, SEEDING, FILTER FABRICS, DITCH LINING AND OTHER EROSION CONTROL DEVICES OR METHODS.

TEMPORARY EROSION AND SEDIMENT CONTROL ITEMS, THE LOCATION AND SIZE OF WHICH ARE DETAILED ON THE PLANS, SHALL BE INSTALLED BY THE CONTRACTOR PRIOR TO COMMENCEMENT OF ANY CLEARING OR EARTHWORK OPERATIONS. TEMPORARY CONTROL MEASURES WILL BE USED WHEN AND AS DIRECTED BY THE ENGINEER TO CORRECT CONDITIONS THAT DEVELOP DURING CONSTRUCTION THAT WERE NOT FORESEEN DURING THE DESIGN STAGE, THAT ARE NEEDED PRIOR TO INSTALLATION OF PERMANENT CONTROL FEATURES, OR THAT ARE NEEDED TEMPORARILY TO CONTROL EROSION THAT DEVELOPS DURING NORMAL CONSTRUCTION PRACTICES.

EXISTING VEGETATIVE GROWTH SHALL REMAIN UNDISTURBED AS LONG AS POSSIBLE, THE CONTRACTOR SHALL SEED AND MULCH ALL AREAS DISTURBED BY THE CONSTRUCTION AND WHICH ARE EXPOSED FOR MORE THAN 30 DAYS. SEEDED AREAS WILL BE INSPECTED, AND AREAS WHERE THE SEED HAS NOT PRODUCED A GOOD COVER SHALL BE RE-SEEDED AS NECESSARY BY THE CONTRACTOR. STABILIZE AREAS WITH MULCH WHEN CONDITIONS PROHIBIT SEEDING. STABILIZE AREAS WITHIN 30 FEET OF ANY STREAM OR WETLAND WITHIN 2 DAYS ON ALL INACTIVE DISTURBED AREAS.

TEMPORARY EROSION CONTROL FEATURES SHALL BE ACCEPTABLY MAINTAINED AND SHALL SUBSEQUENTLY BE REMOVED OR REPLACED WHEN DIRECTED BY THE ENGINEER. TEMPORARY AND PERMANENT EROSION CONTROL FEATURES SHALL BE CHECKED AFTER EACH MEASURABLE RAINFALL AND REESTABLISHED AS NECESSARY. REMOVED MATERIALS SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE DISPOSED OF OFF SITE.

IN THE EVENT THAT TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES ARE REQUIRED DUE TO THE CONTRACTOR'S NEGLIGENCE, CARELESSNESS, OR FAILURE TO INSTALL PERMANENT CONTROLS AS PART OF THE WORK, SHALL BE PERFORMED BY THE CONTRACTOR AT HIS EXPENSE.

ADDITIONAL EROSION CONTROL MEASURES MAY BE MANDATED BY THOSE AGENCIES HAVING JURISDICTION.

EROSION and SEDIMENT CONTROL (cont'd)

ROUTINE INSPECTION WILL BE CONDUCTED ON ALL EROSION CONTROL PRACTICES FOR THIS PROJECT. THE CONTRACTOR WILL BE RESPONSIBLE FOR CORRECTING ALL DEFICIENCIES REVEALED BY THE INSPECTIONS.

THESE NOTES AND DRAWINGS ARE INTENDED TO SERVE AS BASIC GUIDELINES, ALL EROSION CONTROL PRACTICES SHALL MEET THE STANDARDS AND SPECIFICATIONS OF THE PORTAGE COUNTY SOIL AND WATER CONSERVATION DISTRICT.

NON-SEDIMENT POLLUTANT CONTROLS

NO POLLUTANT IS ALLOWED TO BE DISCHARGED IN STORMWATER RUNOFF. POLLUTANTS INCLUDE SOLIDS, WASTES OTHER THAN SEDIMENT, INCLUDING BUILDING MATERIALS, AND LIQUID WASTE. POLLUTANTS MUST BE DISPOSED OF IN A PROPER MANNER IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS.



2 WORKING DAYS
BEFORE YOU DIG



CALL TOLL FREE 800-362-2764
OHIO UTILITIES PROTECTION SERVICE

Grading Plan Approved
as shown and/or noted
JAMES R. GILLS, P.E.
Lake County Engineer

By _____ Date _____

GRAPHIC SCALE

