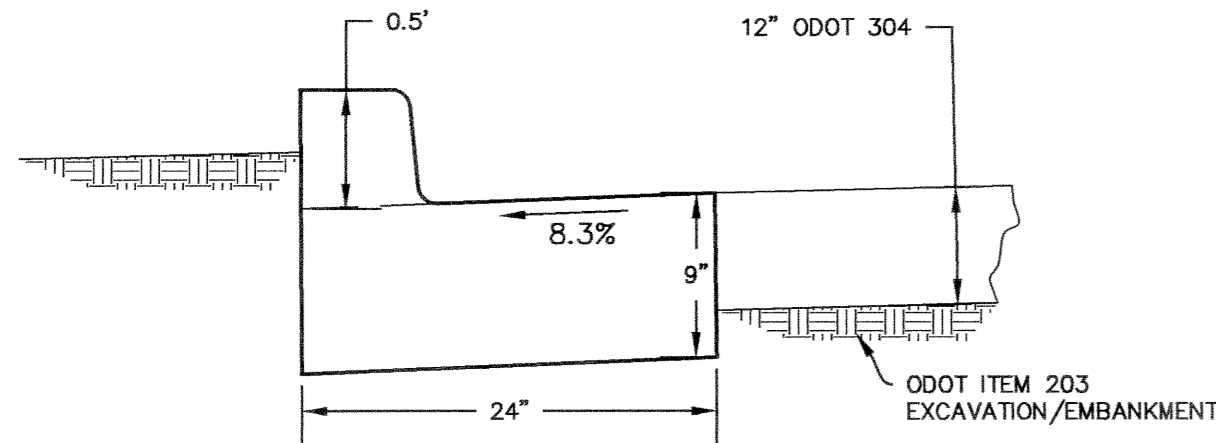
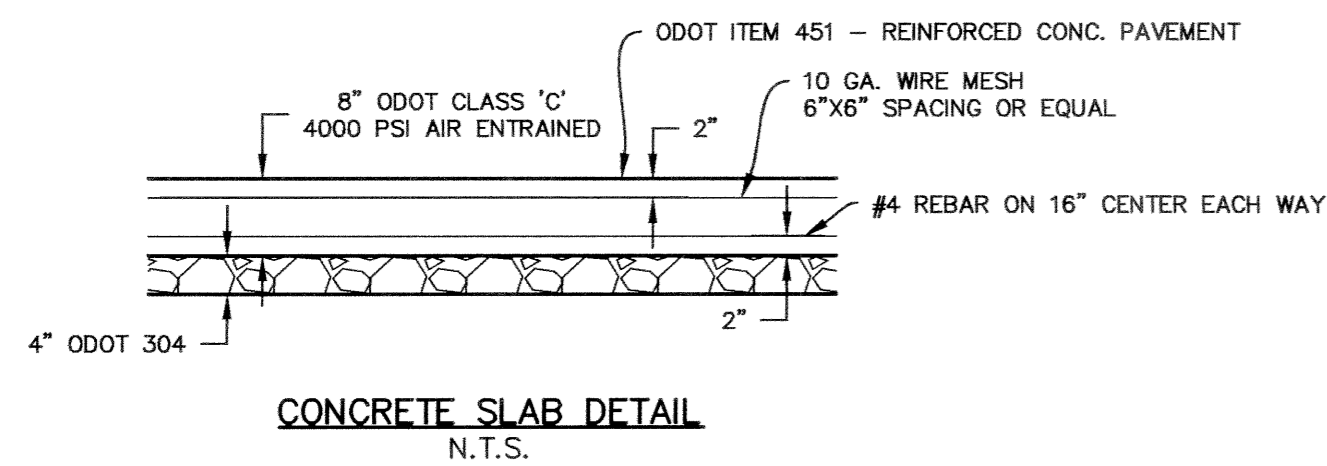


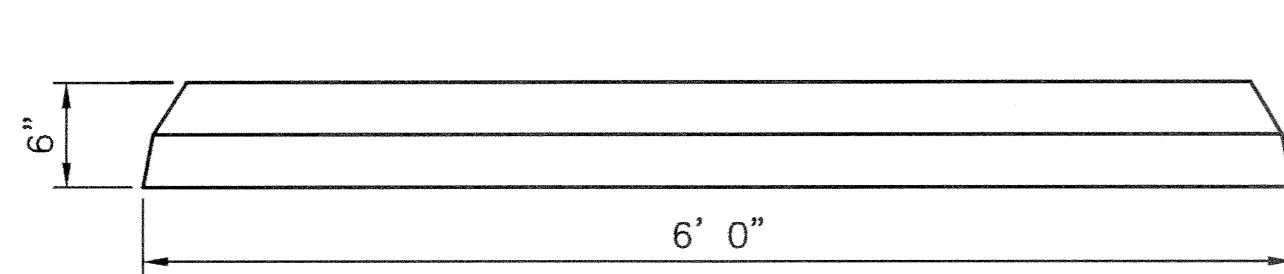
CODING NOTES

- ① PERIMETER CONCRETE STANDING CURB LIMITS. ODOT TYPE 4C OR EQUAL (LIMITS)
- ② ODOT TYPE C RIPRAP 18" THICK. ESTABLISH 1' DEEP CHANNEL (MAY NOT BE SHOWN IN CONTOUR.)
- ③ SEDIMENT POND
- ④ PARKING BLOCKS, SPACED 2' APART.
- ⑤ 60 L.F., ODOT TYPE A CULVERT. 15" I.D.
NOTE: PROVIDE 18" MIN. FINISH GRADE TO TOP OF PIPE AND 1/2" PER FT SLOPE TO OUTLET. CLEAR DITCH 1' BOTTOM 6:1 SIDESLOPES AT OUTLET TO DAYLIGHT.



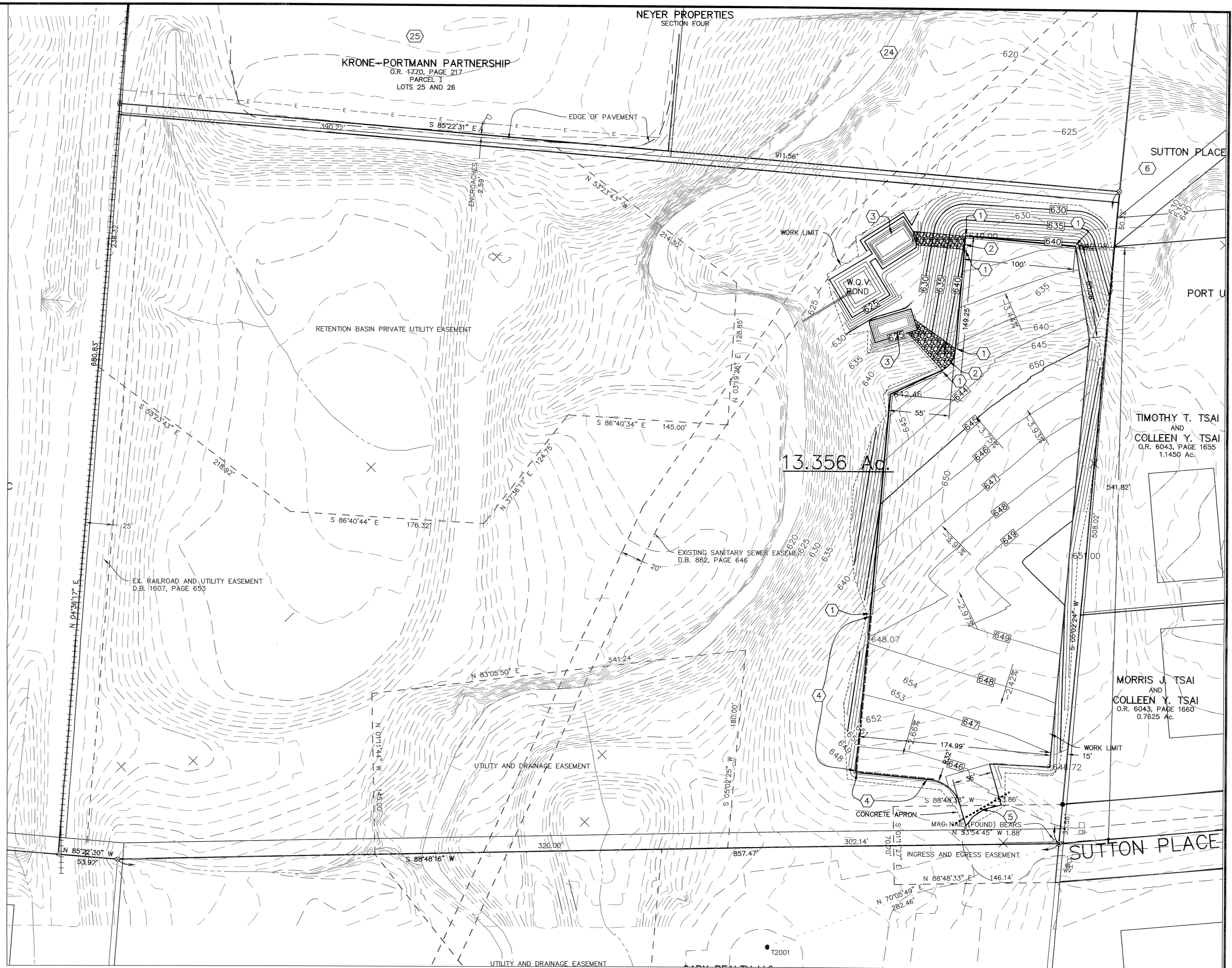
NOTE: THE CONTRACTOR MUST PLACE FILL IN SUITABLE LIFTS AND AT SUITABLE MOISTURE CONTENT TO ACHIEVE A 95+% COMPACTION (MAX DRY WT. STD. PROCTOR). THE FINAL SUBGRADE MUST PASS PROOF ROLL BEFORE THE STONE SURFACE IS PLACED AND COMPACTED. THE CONTRACTOR SHALL EMPLOY QUALIFIED TESTING LAB AT THE CONTRACTORS DISCRETION. IT WILL BE THE CONTRACTORS RESPONSIBILITY TO PASS PROOF ROLLING.

CURB - ODOT TYPE 2
N.T.S.



5000 PSI AIR-ENTRAINED CONCRETE.
REINFORCED WITH 2 #4 REBARS.
STANDARD 6' LENGTH.
APPROXIMATE WEIGHT: 250 LBS.
TWO 3/4" DIAMETER THRU-HOLES FOR ANCHORING.
SLOTS ON UNDERSIDE ALLOW DRAINAGE AND UNITS TO BE MOVED WITH A FORKLIFT.

TYPICAL PARKING BLOCK
N.T.S.



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GRADING AND DRAINAGE PLAN
OOTZIE OF OHIO, LLC
SUTTON PLACE
WEST CHESTER TOWNSHIP
BUTLER COUNTY, OHIO

McA McCARTY ASSOCIATES, LLC
Engineers - Surveyors - Architects
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104 S. Main Street Washington C.H., Ohio 43160 (740) 335-3816

DATE JULY 26, 2007	SCALE 1"=50'	PROJECT NO. E07-521
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Plans 11-1507



VICINITY MAP
1"=2000'

THIS PROJECT IS THE CONSTRUCTION OF A GRAVEL TRUCK PARKING LOT AND RELATED WORK.
THERE ARE NO 100 YEAR FLOOD PLANES ON THE SITE PER FEMA MAP 390037-0075-C DATED JANUARY 21, 1998.
ATTACHED NPDES PERMIT MUST BE CAREFULLY READ AND FOLLOWED.

THE TOTAL PROPERTY IS 13.356 Ac. THE CLEARING LIMIT IS 3.25 Ac. MAXIMUM, THE GRADING AREA IS 2.42 Ac.

PRIOR TO CONSTRUCTION THE IMPERVIOUS AREA WAS 0.00 Ac. THE POST CONSTRUCTION IMPERVIOUS AREA IS APPROXIMATELY 0.04 Ac. AND ALSO 1.61 Ac. SEMI-IMPERVIOUS GRAVEL SURFACE.

SOIL TYPES IN PROJECT AREA:
Ee - EEL SILT LOAM - MODERATE EROSION POTENTIAL
HeE2 - HENNEPIN-MIAMIAN SILT LOAMS - MODERATE EROSION POTENTIAL
RvB2 - RUSSELL-MIAMIAN SILT LOAMS - MODERATE EROSION POTENTIAL

THE SETTLING POND MUST BE CLEANED OUT WHEN THE SILT OCCUPIES 40% OF THE POND DEPTH.

TOXIC OR HAZARDOUS WASTE SHALL BE DISPOSED OF LEGALLY OFFSITE.

RUNOFF COEFFICIENTS USED ARE 0.3 EXISTING AND 0.8 DEVELOPED (COMMERCIAL).

PRIOR LAND USE IS UNDEVELOPED.

RECEIVING WATER IS A TRIBUTARY OF MILL CREEK.

SEDIMENT PONDS/TRAPS AND PERIMETER CONTROLS SHALL BE IMPLEMENTED AS A FIRST STEP OF GRADING AND WITHIN 7 DAYS FROM THE START OF GRUBBING AND SHALL CONTINUE TO FUNCTION UNTIL UPLAND AREAS ARE STABILIZED.

TEMPORARY AND PERMANENT STABILIZATION - DISTURBED AREAS WHICH WILL REMAIN UNWORKED FOR A PERIOD OF 21 DAYS OR MORE, SHALL BE STABILIZED WITH SEEDING AND MULCHING OR OTHER APPROVED MEANS WITHIN 7 DAYS. ALL DISTURBED AREAS WITHIN 50 FEET OF AN INTERMITTENT OR SOLID BLUE LINE STREAM (AS DEFINED BY USGS 7.5" QUADRANGLES) SHALL BE STABILIZED WITHIN TWO (2) DAYS. ALL AREAS OF A SITE WHICH ARE AT FINAL GRADE SHALL BE STABILIZED WITH SEEDING AND MULCHING OR OTHER APPROVED MEANS WITHIN SEVEN (7) DAYS.

DITCHES WITH GRADES GREATER THEN 1.5% AND ALL OTHERS SLOPES GREATER THAN 6% WILL HAVE EROSION CONTROL BLANKETS/MATTING INSTALLED AS PART OF STABILIZATION MEASURES.

BUILDER IS RESPONSIBLE FOR EROSION CONTROL ON INDIVIDUAL LOT.

NO SOLID OR LIQUID WASTE SHALL BE DISCHARGED INTO STORM WATER RUNOFF.

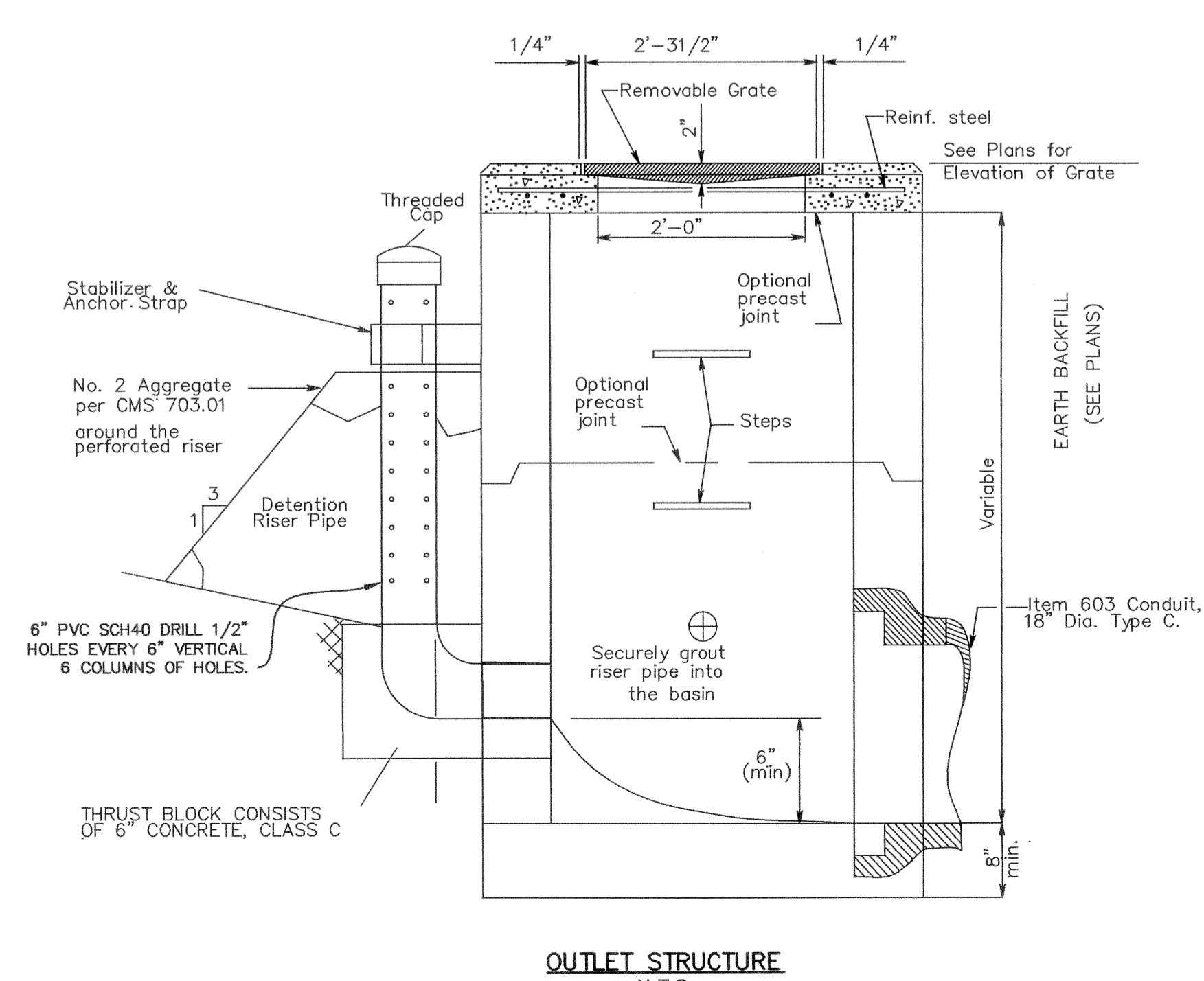
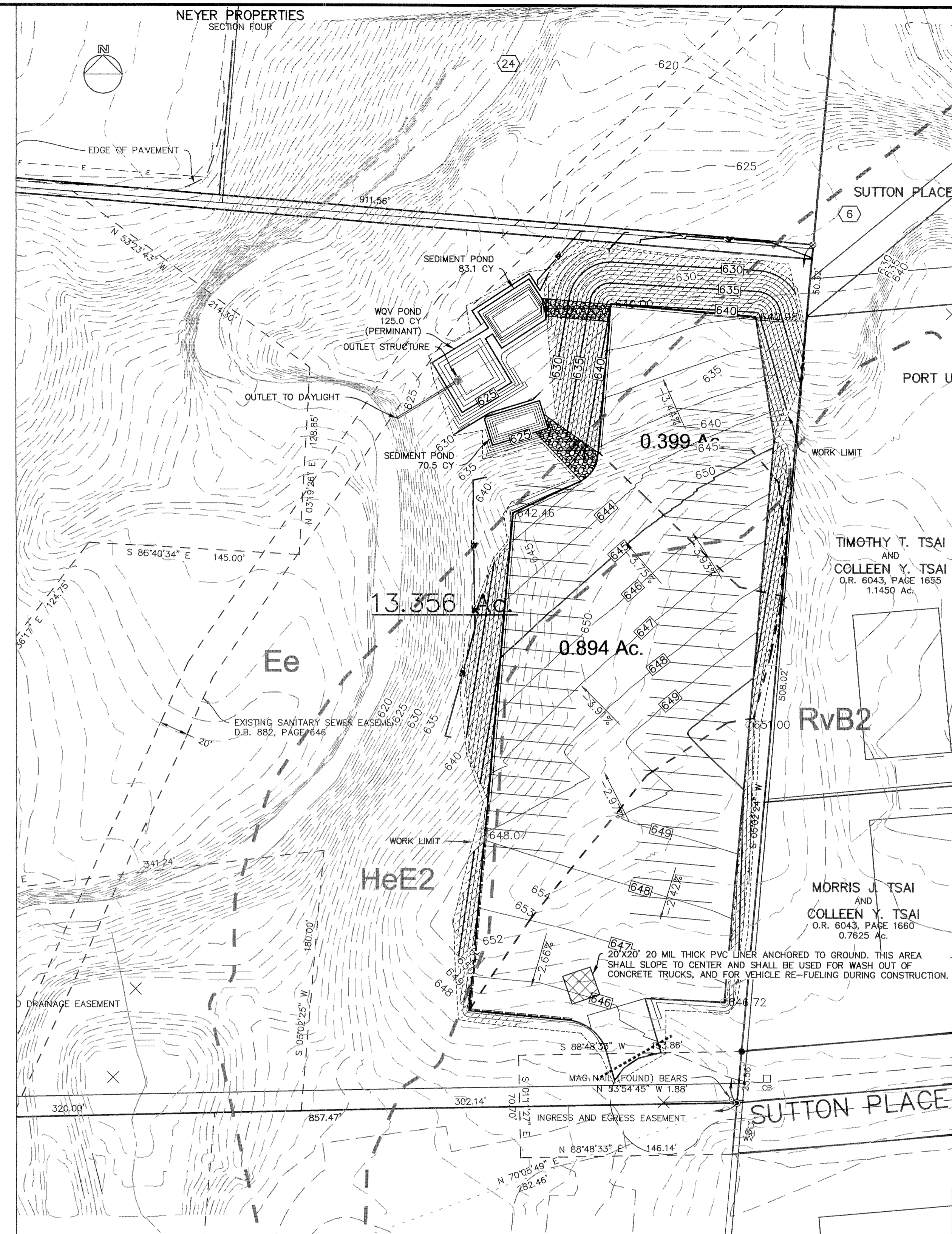
ALL EROSION AND SEDIMENT CONTROL PRACTICES MUST CONFORM TO THE SPECIFICATIONS OF RAINWATER AND LAND DEVELOPMENT, OHIO'S STANDARDS FOR STORM WATER MANAGEMENT, LAND DEVELOPMENT AND URBAN STREAM PROTECTION.

OTHER EROSION AND SEDIMENT CONTROL ITEMS MAY BE NECESSARY DUE TO ENVIRONMENTAL CONDITIONS.

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

CONSTRUCTION SEQUENCE

- EVALUATE THE SITE - BEFORE EARTH MOVING ACTIVITIES OR CONSTRUCTION BEGINS, MARK VEGETATIVE AREAS, TREES, AND WETLAND AREAS TO BE PROTECTED. USE PLASTIC SAFETY FENCE AT TREE DRIPLEINES AND AROUND OTHER AREAS TO BE PROTECTED.
- INSTALL PERIMETER EROSION AND SEDIMENT CONTROL - IT IS IMPORTANT THAT PERIMETER CONTROLS ARE IN PLACE BEFORE ANY OTHER EARTH MOVING ACTIVITIES BEGIN.
SAVE 20-30 FEET OF ORIGINAL VEGETATION THAT CAN BE USED FOR FILTER STRIPS.
INSTALL SILT FENCE NEAR PERIMETER AND ON THE CONTOUR WHERE NEEDED.
INSTALL GRAVEL ACCESS DRIVE BEFORE CONSTRUCTION BEGINS OR SUPPLIES ARE DELIVERED.
PROTECT CURB STORM INLETS.
CONSTRUCT SURFACE STORM INLET AND OPEN MANHOLE PROTECTION.
- PREPARE SITE FOR CONSTRUCTION - CLEAR AND GRUB ONLY THE AREAS PLANNED FOR EARTH MOVING.
REMOVE TOPSOIL, STOCKPILE IT, AND INSTALL SILT FENCE AROUND PERIMETER.
SEED SOIL STOCKPILE WITH PERENNIAL RYE GRASS AND MULCH WITH STRAW IF NOT TO BE DISTURBED FOR MORE THEN 21 DAYS, OR COVER STOCKPILE WITH PLASTIC TARPULIN.
ESTABLISH A TEMPORARY SEEDING ON ALL BARE AREAS THAT ARE TO REMAIN UNDISTURBED FOR MORE THAN 21 DAYS. SEED WITH PERENNIAL RYE GRASS AND MULCH WITH STRAW.
- MAINTAIN THE BMP'S - MAINTAIN ALL EROSION AND SEDIMENT CONTROL PRACTICES THROUGHOUT THE CONSTRUCTION PHASE AND UNTIL THE LAND SURFACE IS STABILIZED.
INSPECT EACH PRACTICE ONCE A WEEK AND FOLLOWING EVERY STORM EVENT.
REPAIR OR REPLACE ANY DAMAGED PRACTICE IMMEDIATELY.
AT THE END OF EACH DAY, REMOVE ANY SILT THAT HAS BEEN TRACKED ONTO THE STREET.
IF ANY SEDIMENT IS WASHED ONTO THE STREET DURING A STORM, CLEAN UP AS SOON AS POSSIBLE.
REMOVE ACCUMULATED SEDIMENT AND STABILIZE THE BARE AREAS.
- ADDITIONAL GRADING AND SHAPING - SPREAD STOCKPILED SUBSOIL TO ROUGH GRADE. DO NOT SPREAD UNDER PROTECTED TREES.
CONTINUE TO PROTECT STOCKPILED TOPSOIL FOR USE AFTER HOUSES HAVE BEEN BUILT.
MAKE A TEMPORARY SEEDING ON ALL BARE SURFACE AREAS AND MULCH WITH STRAW.
FERTILIZE AND LIME ACCORDING TO SOIL TEST RESULTS, AS OUTLINED IN THE RAINWATER AND LAND DEVELOPMENT MANUAL, OR ON RECOMMENDATIONS OF A PROFESSIONAL LANDSCAPE CONTRACTOR.
- ESTABLISH PERMANENT VEGETATION - IMMEDIATELY AFTER TOPSOIL HAS BEEN LEVELED TO FINAL GRADE, STABILIZE THE BARE SURFACE AREAS WITH SOD, SEED AND STRAW MULCH, OR OTHER LANDSCAPE PLANTS OR MATERIALS.
WATER AS NEEDED TO KEEP THE SOIL MOIST UNTIL SEED HAS BECOME ESTABLISHED.
- REMOVE REMAINING TEMPORARY CONTROL MEASURES - AFTER THE VEGETATION HAS BECOME WELL ESTABLISHED, REMOVE TEMPORARY EROSION OR SEDIMENT CONTROL PRACTICES.
REPAIR ANY DAMAGED AREAS THAT REMAIN.



- LEGEND**
- 5/8" IRON PIN (SET) WITH PLASTIC CAP STAMPED "McCARTY ASSOCIATES"
 - 5/8" IRON PIN (FOUND)
 - ⊙ 1/2" IRON PIN (FOUND)
 - ⊙ P.K. NAIL (FOUND)
 - ⊙ MAG NAIL (FOUND)
 - MAG NAIL (SET)
 - UTILITY POLE
 - WATER VALVE
 - FIRE HYDRANT
 - CATCH BASIN
 - RAILROAD
 - OVERHEAD ELECTRIC
 - SILT FENCE
 - EROSION CONTROL MATTING

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