

FIXTURES SERVED

- 1 WATER CLOSET
- 1 LAVATORY
- 1 SHOP SINK

CALCULATIONS

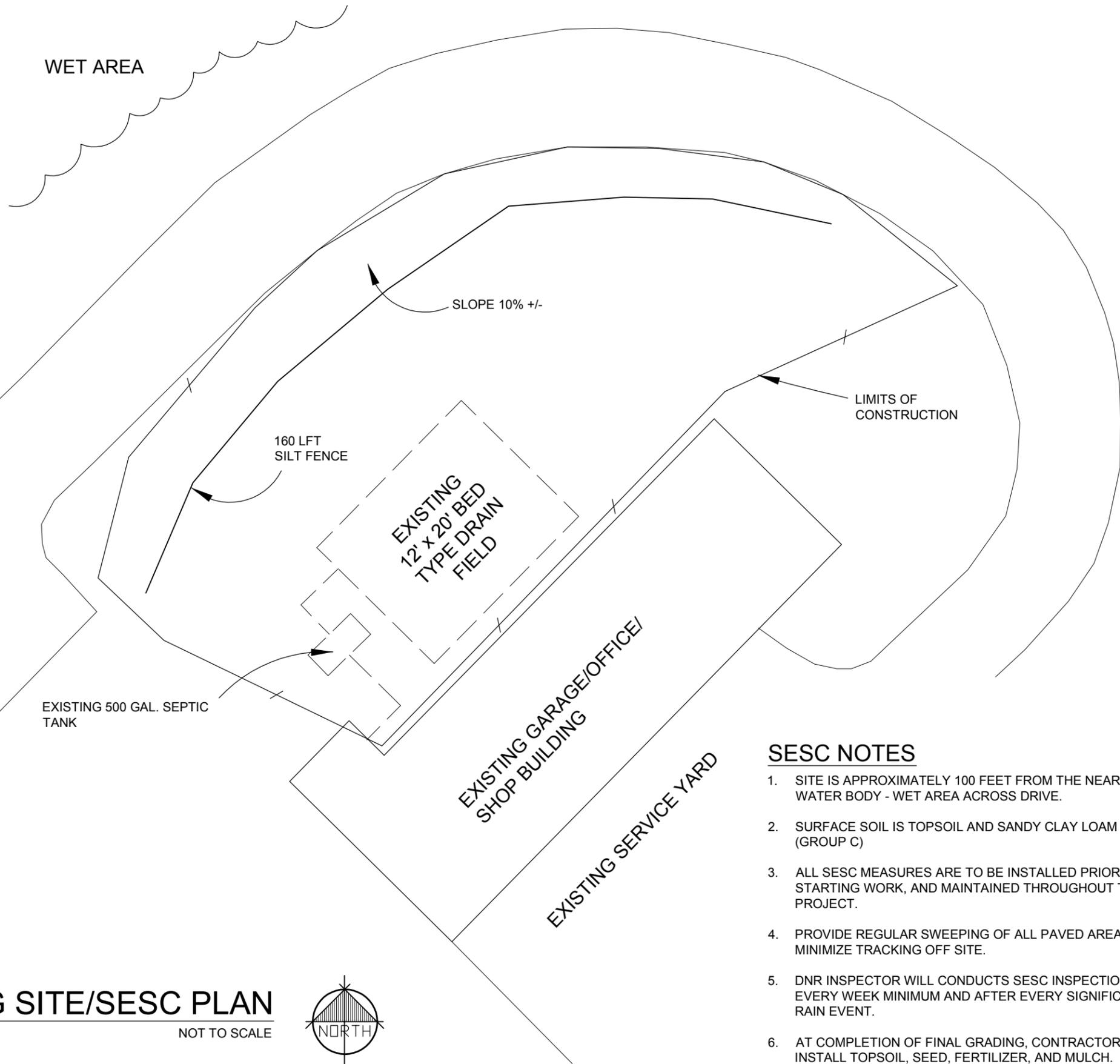
- DAILY FLOW VOLUME BASED ON OFFICE BUILDING;
2000SFTX1/10 GPD/SFT=200 GPD
- SOIL TYPE: LOAMY SAND
- APPLICATION RATE ASSUMED 0.75 GPD/SFT
- THREE FOOT WIDE TRENCH
- LENGTH OF TRENCH REQUIRED=200 GPD/0.75
GPD/SFT/ 3FT = 89 LFT
- RECOMMEND 4@30' PLUS 3@5' (PERFORATED
FOOTER PIPING) = 135 LFT

DEMOLITION NOTES

1. THE CONTRACTOR SHALL CALL MISS DIG 72 HOURS PRIOR TO CONSTRUCTION OR DEMOLITION.
2. ALL AREAS DISTURBED DURING DEMOLITION SHALL BE RESTORED TO MATCH SURROUNDING GRADE WITH A MINIMUM OF THREE INCHES OF TOPSOIL, FERTILIZER, SEED AND MULCH.
3. STRIP TOPSOIL AND SALVAGE FOR PLACEMENT ON FINISHED GRADE.
4. THE CONTRACTOR SHALL NOTE THAT NOT ALL TREES WERE LOCATED AS PART OF THE SITE SURVEY. PROTECT TREES.

EXISTING SITE/SESC PLAN

NOT TO SCALE



SESC NOTES

1. SITE IS APPROXIMATELY 100 FEET FROM THE NEAREST WATER BODY - WET AREA ACROSS DRIVE.
2. SURFACE SOIL IS TOPSOIL AND SANDY CLAY LOAM (GROUP C)
3. ALL SESC MEASURES ARE TO BE INSTALLED PRIOR TO STARTING WORK, AND MAINTAINED THROUGHOUT THE PROJECT.
4. PROVIDE REGULAR SWEEPING OF ALL PAVED AREAS TO MINIMIZE TRACKING OFF SITE.
5. DNR INSPECTOR WILL CONDUCTS SESC INSPECTION EVERY WEEK MINIMUM AND AFTER EVERY SIGNIFICANT RAIN EVENT.
6. AT COMPLETION OF FINAL GRADING, CONTRACTOR TO INSTALL TOPSOIL, SEED, FERTILIZER, AND MULCH.
7. LOCATION: LUCE COUNTY

MUSKALLONGE LAKE STATE PARK SEPTIC SYSTEM IMPROVEMENTS

PROJECT NO.	24-3256
INDEX	53010
PCA	66103
DRAWN BY	SKC
DESIGNED BY	SKC

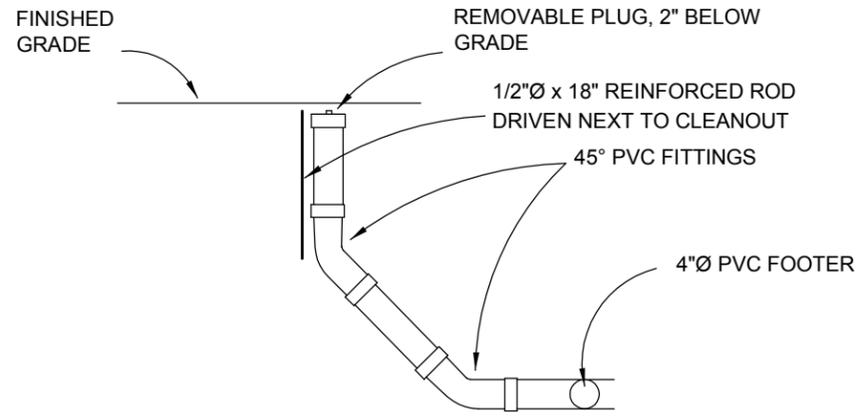
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PROPOSED WORK

- 1 4"Ø PERFORATED PVC PIPE - LATERALS (140 FT)
- 2 4"Ø PERFORATED PVC PIPE - FOOTER (24 FT)
- 3 4"Ø PVC PIPE CLEANOUTS (4 TYPICAL)
- 4 4"Ø PVC PIPE - HEADER
- 5 4"Ø PVC PIPE WITH DOUBLE 45° BENDS (LENGTH AS NEEDED)
- 6 NEW DROP "T" INTO TANK
- 7 PROTECT UNDISTURBED EARTH BETWEEN TRENCHES
- 8 REMOVE AND REPLACE EXISTING SEPTIC TANK WITH NEW SEPTIC TANK (1000 GALLONS MIN.)
- 9 1/2"Ø x 18" LONG REINFORCING ROD, VERTICAL AND 2" BELOW GRADE, MARKING CORNERS AND CORNER CLEANOUTS (4 TYPICAL)

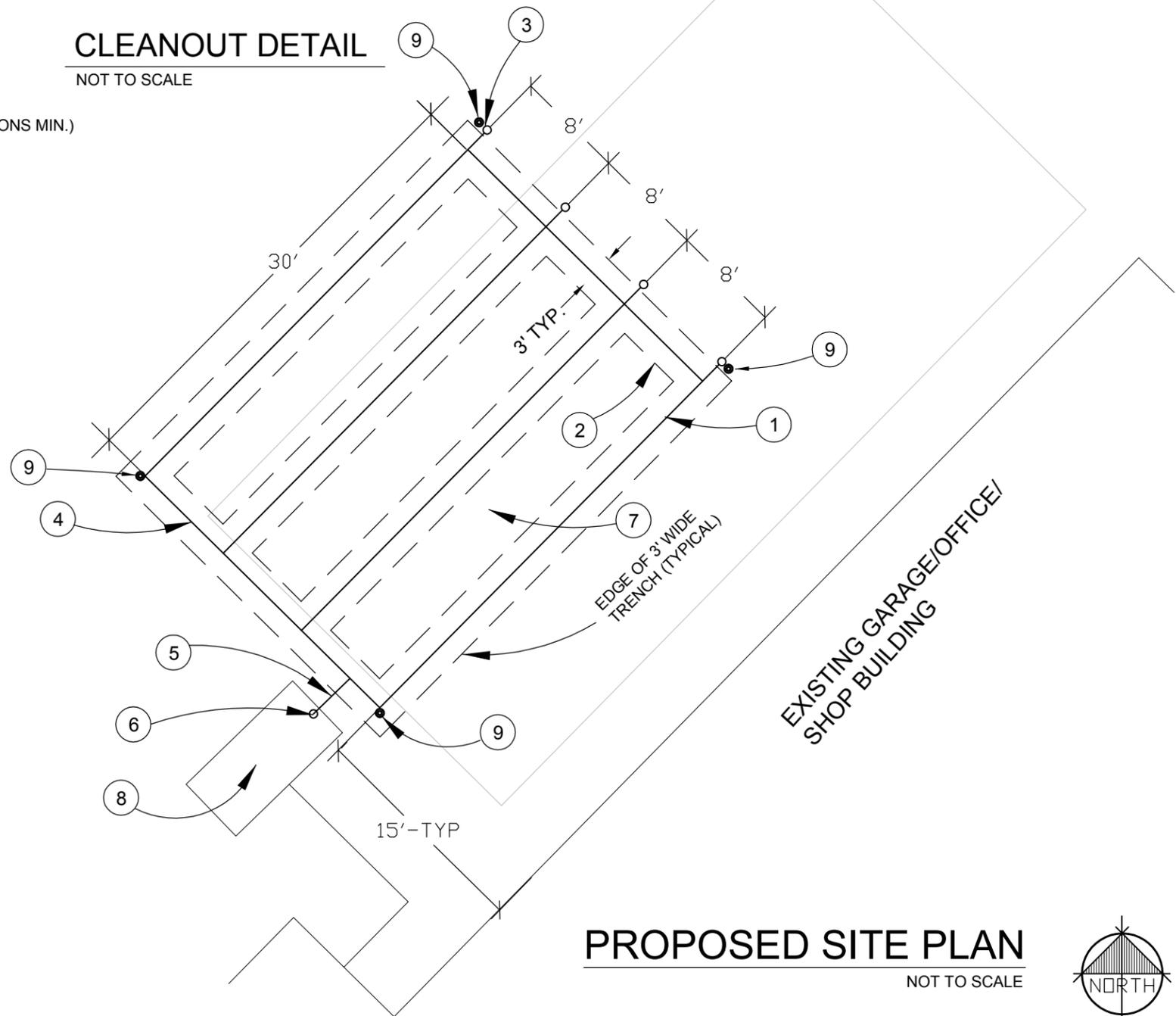
NOTES:

1. ALL WORK TO BE DONE ACCORDING TO THE MICHIGAN CRITERIA FOR SUBSURFACE SEWAGE DISPOSAL AND THE LUCE COUNTY HEALTH DEPARTMENT.
2. PERORATED PLASTIC PIPE AND FITTINGS SHALL COMPLY WITH MICHIGAN STANDARDS FOR CERTIFICATION AND UTILIZATION OF PERFORATED TUBING FOR DRAIN FIELDS.
3. CONTRACTOR TO TAKE CARE DURING EXCAVATION OF TRENCHES TO NOT "SMEAR" SUB SOIL.
4. FILL MATERIALS TO INCLUDE MDOT 6A STONE AND EARTH COVER TO ALLOW FOR AERATION AND SUPPORT GROWTH OF GRASS. QUANTITY UNKNOWN.
5. TOPSOIL, SEED, FERTILIZE AND MULCH ALL DISTURBED AREAS.
6. SESC MEASURES ARE NOT REQUIRED. SOIL MATERIAL IS SANDY CLAY LOAM AND NOT HIGHLY ERODABLE. AREAS EXCAVATED ARE LESS THAN ONE ACRE AND GRATER THAN 500 FT. FROM A WATER BODY.
7. CONTRACTOR TO LAYOUT LOCATION, PROVIDE CROSS SECTION AND GRADES TO SATISFY LUCE COUNTY HEALTH DEPARTMENT.
8. LUCE COUNTY PERMIT NUMBER : S10480972053
9. EXCAVATED MATERIALS TO BE PLACED ON SITE AT THE DIRECTION OF THE OWNER. SPREAD AND COVER WITH 4" OF TOP SOIL, SEED FERTILIZER AND MULCH.



CLEANOUT DETAIL

NOT TO SCALE



PROPOSED SITE PLAN

NOT TO SCALE



MARCH 31, 2010