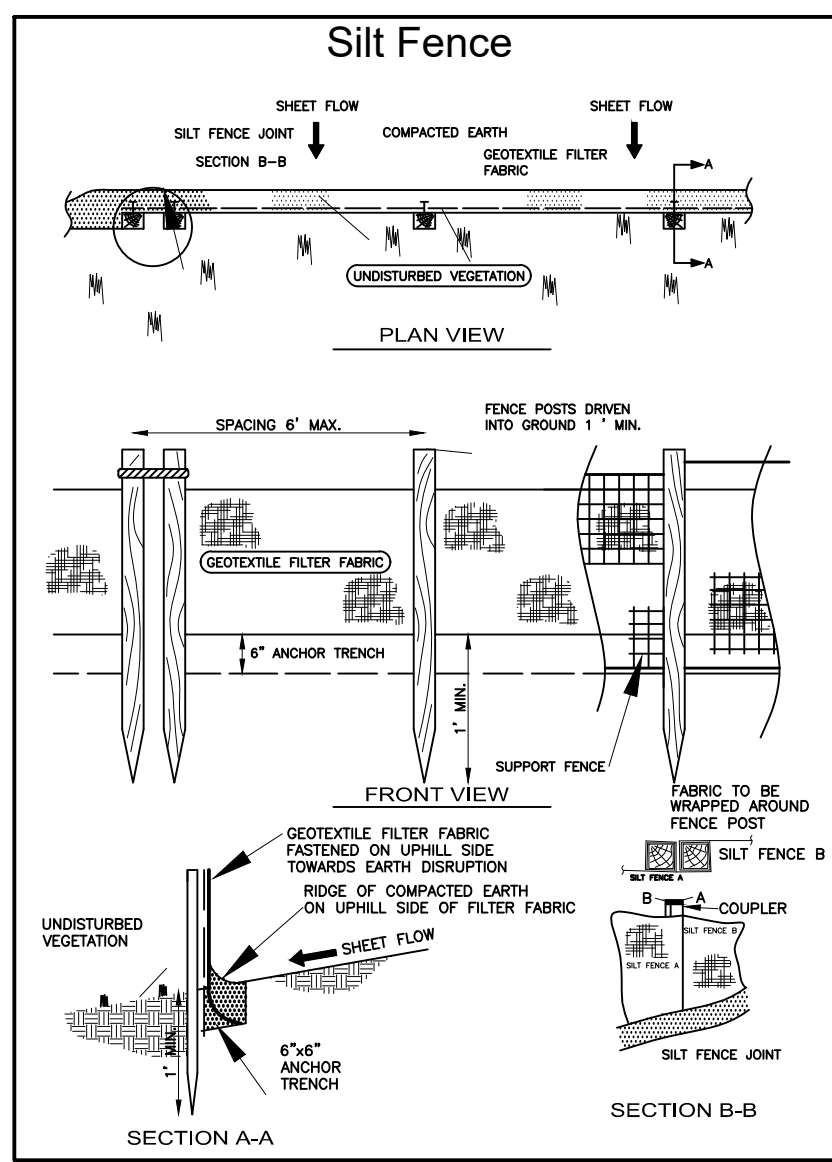


# 900 W. Hamlin Rd - Topography/Ex. Conditions

## SECTION 22 T. 3N., R. 11E., ROCHESTER HILLS, OAKLAND COUNTY, MICHIGAN



### Soil Erosion Notes:

- INSTALL EROSION CONTROL MEASURES PRIOR TO CONSTRUCTION.
- ALL SOIL EROSION MEASURES MUST BE IN PLACE PRIOR TO ANY EARTH MOVEMENT.
- COMPLETE ALL EARTH MOVEMENT.
- RIGHT-OF-WAY MUST BE STABILIZED PRIOR TO FINAL GRADE INSPECTION.
- ALL SWALE AREAS, ALL SLOPES GREATER THAN 1:5 AND 1:1 AROUND STORM STRUCTURES MUST BE STABILIZED PRIOR TO FINAL GRADE CERTIFICATION.
- AFTER PERMANENT EARTH STABILIZATION IS COMPLETED, REMOVE EROSION CONTROL MEASURES.
- SOIL TYPES FOR THIS LOT ARE: 10b (Pristine sandy loam) 11b (Capac sandy loam)
- TOTAL GROSS ACREAGE DISTURBED= 0.158 ACRES
- THE NEAREST WATER COURSE IS THE CLINTON RIVER 3,200 FEET TO THE WEST
- LIMITS OF EARTH DISRUPTION WILL BE CONTAINED ON SITE TO ACHIEVE POSITIVE DRAINAGE PER MASTER GRADE PLAN
- SOIL EROSION CONTROL MEASURES WILL BE MAINTAINED ON A WEEKLY BASIS AND AFTER EACH STORM EVENT
- TYPE OF PERMANENT VEGETATIVE RESTORATION WILL BE SEED & MULCH OR SOD
- DURING DRY PERIODS, ALL DISTURBED AREAS SHALL BE WATERED FOR DUST CONTROL.

CONSTRUCTION SEQUENCE	DATE
SOIL EROSION CONTROL MEASURE	1
HOUSE CONSTRUCTION	52
DRIVEWAY & SIDEWALK CONSTRUCTION	4
FINAL GRADING	4
PERMANENT SOIL EROSION	1

### Description Legend:

- TC - TOP OF CURB
- TW - TOP OF WALK
- TD - TOP OF DRIVE
- ME - MATCH EXISTING
- FG - FINAL (FINISHED) GRADE
- SW - SWALE
- HP - HIGH POINT
- CB - CATCH BASIN
- FF - GARAGE FINISH FLOOR
- FF - FIRST FINISH FLOOR
- BFF - BSMT. FINISH FLOOR
- STN-MH - STORM MANHOLE
- SAN-MH - SANITARY MANHOLE
- BLDG - BUILDING
- T/WALL - TOP OF WALL
- B/WALL - BOTTOM OF WALL
- GRADE - TOPOGRAPHY SPOT GRADE
- TREE - EXISTING TREE
- BSMT - BASEMENT
- UNEX - UNEXCAVATED
- EDP - EDGE OF PAVEMENT
- EDG - EDGE OF GRAVEL
- P - PORCH
- W/B - WATER BOX
- IF - IRON FOUND
- MF - MONUMENT FOUND

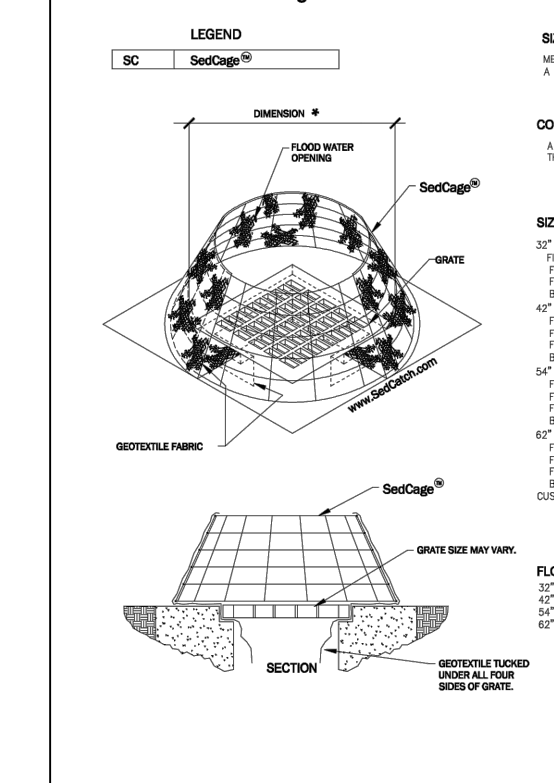
### SOIL EROSION AND SEDIMENTATION CONTROL NOTES AND MAINTENANCE NOTES

- THIS PROJECT SHALL BE CONSTRUCTED IN COMPLIANCE WITH PART 91 OF ACT 451 OF 1994, AS AMENDED, THE SOIL EROSION AND SEDIMENTATION CONTROL ACT AND THE RESCISSOR'S ORDINANCE.
- ALL EROSION AND SEDIMENT CONTROL WORK SHALL CONFORM TO THE STANDARDS AND SPECIFICATIONS OF THE MACOMB COUNTY PUBLIC WORKS OFFICE.
- EROSION AND ANY SEDIMENTATION FROM WORK ON THIS SITE SHALL BE CONTAINED ON THE SITE AND NOT ALLOWED TO COLLECT ON ANY OFFSITE AREAS OR IN WATERWAYS. WATERWAYS INCLUDE NATURAL AND MANMADE OPEN DITCHES, STREAMS, STORM DRAINS, LAKES AND PONDS.
- STAGING THE WORK WILL BE DONE BY THE LANDOWNER OR THE LANDOWNER'S REPRESENTATIVE AS DIRECTED IN THESE PLANS AND AS REQUIRED TO ENSURE PROGRESSIVE STABILIZATION OF DISTURBED EARTH CHANGE.
- THE LANDOWNER OR LANDOWNER'S REPRESENTATIVE SHALL BE RESPONSIBLE FOR INSTALLATION AND MAINTENANCE OF SOIL EROSION AND SEDIMENTATION DEVICES.
- THE LANDOWNER OR LANDOWNER'S REPRESENTATIVE SHALL IMPLEMENT AND MAINTAIN SOIL EROSION CONTROL MEASURES AS SHOWN ON THE PLANS BEFORE AND AT ALL TIMES DURING CONSTRUCTION ON THIS PROJECT. ANY MODIFICATIONS OR ADDITIONS TO SOIL EROSION CONTROL MEASURES DUE TO CONSTRUCTION OR CHANGED CONDITIONS SHALL BE COMPLIED WITH AS REQUIRED OR DIRECTED BY THE MACOMB COUNTY PUBLIC WORKS OFFICE.
- IF ANY OF THESE SESC MEASURES ON THE SITE ARE DEEMED INADEQUATE OR INEFFECTIVE, THE MACOMB COUNTY PUBLIC WORKS OFFICE, SESC DIVISION, HAS THE RIGHT TO REQUIRE ADDITIONAL SESC MEASURES AT THE EXPENSE OF THE LANDOWNER.
- INSTALL A CRUSHED CONCRETE ACCESS DRIVE PLACED ON GEOTEXTILE FABRIC AS INDICATED ON THE PLAN. THE ACCESS DRIVE MUST BE A MINIMUM OF 30"x50".
  - NEW LAYERS OF CRUSHED CONCRETE WILL BE ADDED AS OLD LAYERS BECOME COMPACTED.
- INSTALL SILT FENCE AS INDICATED ON PLAN AND AT ADDITIONAL AREAS AS NECESSARY.
  - SILT FENCE SHALL BE INSTALLED PER DETAIL.
  - BUILT-UP SEDIMENT SHALL BE REMOVED WHEN SEDIMENT ACCUMULATED TO 1/3 TO 1/2 OF THE HEIGHT OF THE FENCE.
  - IF SILT FENCE FABRIC DECOMPOSES OR BECOMES INEFFECTIVE PRIOR TO THE END OF THE EXPECTED USABLE LIFE AND BARRIER IS STILL REQUIRED, THE FABRIC SHALL BE REPLACED PROMPTLY.
  - SILT FENCE SHALL BE INSPECTED WEEKLY UNDER NORMAL CONDITIONS, WITHIN 24 HOURS OF RAINFALL AND DAILY DURING A PROLONGED RAIN EVENT. REQUIRED MAINTENANCE SHALL BE PROVIDED PROMPTLY.
- INSTALL INLET FILTERS ON ALL PAVEMENT CATCH BASINS PER DETAIL. INLET FILTERS SHALL BE INSPECTED WEEKLY UNDER NORMAL CONDITIONS, WITHIN 24 HOURS OF RAINFALL AND DAILY DURING A PROLONGED RAIN EVENT.
  - BUILDUP OF SEDIMENT SHALL BE REMOVED PROMPTLY.
  - IF FABRIC DECOMPOSES OR BECOMES INEFFECTIVE PRIOR TO THE END OF THE EXPECTED LIFE AND THE BARRIER IS STILL REQUIRED, THE FABRIC SHALL BE REPLACED PROMPTLY.
- INSTALL SEDIMENT-CATCH TYPE DEVICE, AND/OR PROVIDE SILT FENCE WITH SOD AROUND REAR YARD CATCH BASIN PER DETAIL.
  - REAR YARD CATCH BASINS SHALL BE INSPECTED WEEKLY UNDER NORMAL CONDITIONS WITHIN 24 HOURS OF RAINFALL AND DAILY DURING A PROLONGED RAIN EVENT.
  - BUILT-UP SEDIMENT SHALL BE REMOVED WHEN SEDIMENT ACCUMULATED TO 1/3 TO 1/2 OF THE HEIGHT OF THE SILT FENCE.
  - IF FABRIC DECOMPOSES OR BECOMES INEFFECTIVE PRIOR TO THE END OF THE EXPECTED LIFE AND THE BARRIER IS STILL REQUIRED, THE FABRIC SHALL BE REPLACED PROMPTLY.
- ALL STOCKPILED SOILS MUST MAINTAINED IN SUCH A WAY AS TO PREVENT EROSION FROM LEAVING THE SITE. IF THE STOCKPILE WILL BE ON SITE FOR MORE THAN 30 DAYS, THE STOCKPILE MUST BE SEED. SILT FENCE MUST BE INSTALLED AROUND THE PERIMETER OF THE STOCKPILE.
- IMMEDIATELY AFTER SEEDING, MULCH ALL SEEDS AREAS WITH UNWEATHERED SHALL GRAIN STRAW, SPREAD UNIFORMLY AT THE RATE OF 1/2 TO 2 TONS PER ACRE OR 100 POUNDS (2-3 BALES) PER 1000 SQUARE FEET. THIS MULCH SHOULD BE ANCHORED WITH A DISC TYPE MULCH ANCHORING TOOL OR OTHER MEANS AS APPROVED BY THE MACOMB COUNTY PUBLIC WORKS OFFICE.
- IF ANY DEWATERING IS NEEDED, IT SHALL BE DISCHARGED THROUGH A FILTER BAG OVER A WELL VEGETATED AREA. THE PUMP MUST DISCHARGE AT A NON-EROSIVE VELOCITY. IF NECESSARY, AN APPROVED ENERGY DISSIPATOR MAY BE USED.
- ALL DIRT STACKED ONTO ANY ROADWAY SHALL BE REMOVED IMMEDIATELY.
- STREETS AND OR PARKING AREAS WILL BE SCARDED ON A DAILY BASIS AND SWEEP AT A MINIMUM OF ONCE PER WEEK BY THE LANDOWNER OR LANDOWNER'S REPRESENTATIVE.
- DURING DRY PERIODS, ALL DISTURBED AREAS SHALL BE WATERED FOR DUST CONTROL.
- PERMANENT SOIL EROSION CONTROL MEASURES FOR ALL SLOPES, CHANNELS, DITCHES OR ANY DISTURBED LAND AREAS SHALL BE COMPLETED WITHIN 5 CALENDAR DAYS AFTER FINAL GRADING OR THE FINAL EARTH CHANGE HAS BEEN COMPLETED WHEN IT IS NOT POSSIBLE TO PERMANENTLY STABILIZE A DISTURBED AREA AFTER EARTH CHANGE HAS BEEN COMPLETED OR WHEN SIGNIFICANT EARTH CHANGE ACTIVITY CEASES. TEMPORARY SOIL EROSION MEASURES SHALL BE IMPLEMENTED IMMEDIATELY. ALL TEMPORARY SOIL EROSION CONTROL MEASURES WILL BE MAINTAINED UNTIL PERMANENT SOIL EROSION CONTROL MEASURES ARE IMPLEMENTED. ALL PERMANENT SOIL EROSION CONTROL MEASURES WILL BE IMPLEMENTED AND ESTABLISHED BEFORE A CERTIFICATE OF COMPLIANCE IS ISSUED.
- FINAL GRADE, ESTABLISH VEGETATION AND LANDSCAPE ALL DISTURBED AREAS NOT BUILT OR PAVED UPON.
- REMOVE ALL TEMPORARY SOIL DEVICES AFTER PERMANENT STABILIZATION IS ESTABLISHED.
- APPROX. START DATE: \_\_\_\_\_, 20\_\_\_\_
- APPROX. COMPLETION DATE: \_\_\_\_\_, 20\_\_\_\_

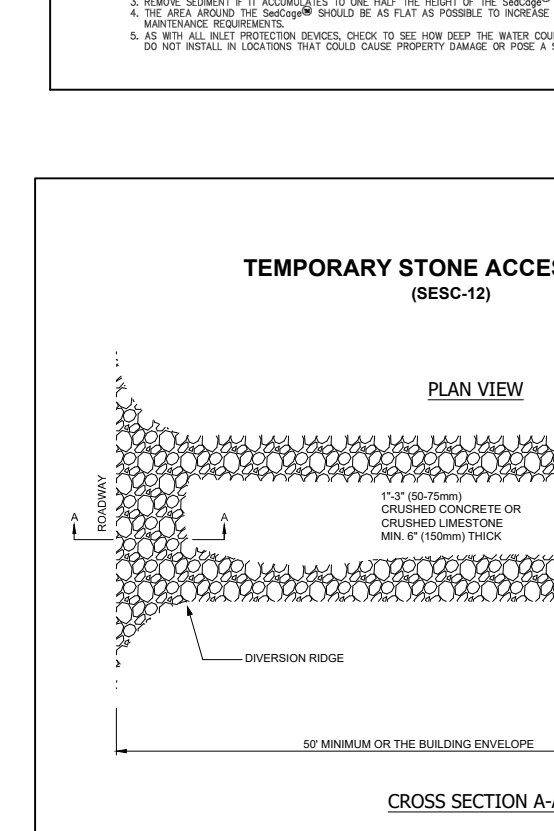
I UNDERSTAND MY RESPONSIBILITY OUTLINED UNDER THESE GUIDELINES.

LANDOWNER'S SIGNATURE \_\_\_\_\_ DATE \_\_\_\_\_

### SedCatch® SedCage® - Yard Inlet Protection

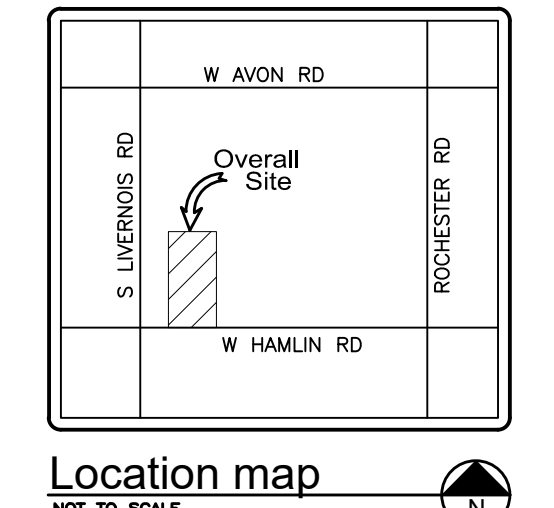
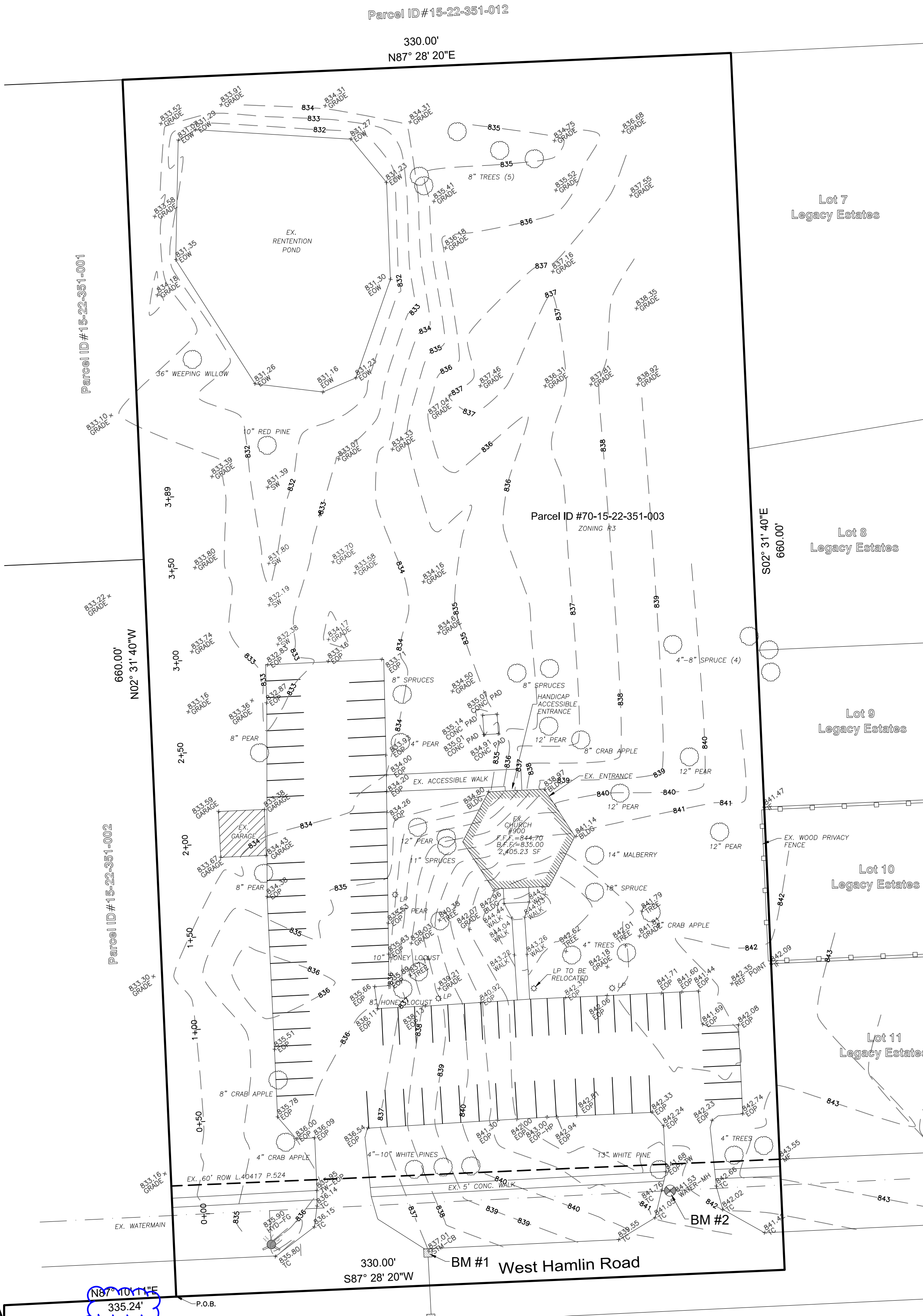


### TEMPORARY STONE ACCESS DRIVE (SESC-12)



### Tree List:

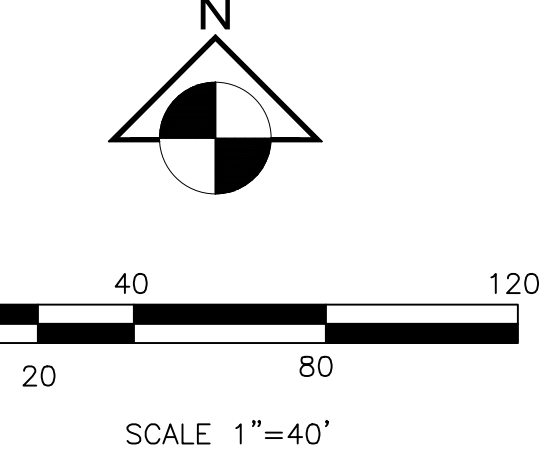
SPECIES	SIZE (IN.)	CONDITION
WHITE PINE	4	GOOD
WHITE PINE	6	GOOD
WHITE PINE	10	GOOD
WHITE PINE	13	GOOD
CRAB APPLE	4	GOOD
CRAB APPLE	8	GOOD
WHITE PINE	4	GOOD
WHITE PINE	4	GOOD
PEAR	12	GOOD
MALBERRY	14	GOOD
SPRUCE	18	GOOD
PEAR	12	GOOD
PEAR	12	GOOD
SPRUCE	4	GOOD
SPRUCE	4	GOOD
SPRUCE	6	GOOD
SPRUCE	8	GOOD
SPRUCE	8	GOOD
SPRUCE	8	GOOD
PEAR	4	GOOD
PEAR	12	GOOD
PEAR	8	GOOD
PEAR	8	GOOD
PEAR	10	GOOD
WEeping WILLOW	36	GOOD
PEAR	8	GOOD
PEAR	8	GOOD
PEAR	8	GOOD
PEAR	8	GOOD
PEAR	12	GOOD
SPRUCE	11	GOOD
SPRUCE	11	GOOD
PEAR	12	GOOD
HONEY LOCUST	10	GOOD
HONEY LOCUST	8	GOOD
WHITE PINE	4	GOOD
WHITE PINE	4	GOOD
CRAB APPLE	8	GOOD



Onsite Contact:  
CLAY BERNER  
586-703-0046

### Legal Description:

A PARCEL OF LAND IN THE SOUTHWEST 1/4 OF SECTION 22, TOWN 3 NORTH, RANGE 11 EAST, CITY OF ROCHESTER HILLS, OAKLAND COUNTY, MICHIGAN MORE PARTICULARLY DESCRIBED AS:  
COMMENCING AT THE SOUTHWEST CORNER OF SECTION 22; THENCE N87°10'11"E ALONG THE SOUTH LINE OF SECTION 22 335.24 FEET TO POINT OF BEGINNING; THENCE N02°31'40"W 660.00 FEET; THENCE N87°28'20"E 330.00 FEET; THENCE S02°31'40"E 660.00 FEET TO A POINT ON THE SOUTH LINE OF SECTION 22; THENCE S87°28'20"W 330.00 FEET TO THE POINT OF BEGINNING.  
CONTAINING 217,800 SQUARE FEET OR 5.00 ACRES OF LAND SUBJECT TO ALL EASEMENT AND RESTRICTIONS OF RECORD, IF ANY.



### Benchmarks:

- PVMT C.B. IN WEST HAMLIN ROAD AS SHOWN PLAN RIM=(837.01) NAVD83
- WATER GATE VALVE IN EAST APPROACH FROM WEST HAMLIN ROAD AS SHOWN ON PLAN RIM=(841.53) NAVD83

### Fire Department Notes:

- FIRE LANES SHALL BE DESIGNATED BY THE FIRE CODE OFFICIAL AND SHALL BE CONSPICUOUSLY POSTED ON BOTH SIDES OF THE FIRE LANE, WITH FIRE SIGNS SPACED NOT MORE THAN 100 FEET APART. FIRE LANE SIGNS SHALL READ "NO STOPPING, STANDING, PARKING, FIRE LANE" AND SHALL CONFORM TO ALL MICHIGAN MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.
- CONSTRUCTION SITES SHALL BE SAFEGUARDED IN ACCORDANCE WITH IFC 2006 CHAPTER 98, SEC. 503
- OPEN BURNING IS NOT PERMITTED, INCLUDING THE BURNING OF TRASH, DEBRIS, OR LAND CLEARING MATERIALS. OPEN BURNING FOR WARMING OF SAND AND/OR WATER FOR THE PREPARATION OF MORTAR SHALL BE WITHIN THE CITY OF ROCHESTER HILLS BURN PERMIT GUIDELINES (FIRE PREVENTION ORDINANCE CHAPTER 58, SEC. 307.2 & 307.2.3)

### General Notes:

- ALL INTERIOR GRADES (ARCHITECTURAL) SHALL BE VERIFIED BY THE BUILDER, ARCHITECT AND/OR CONTRACTOR PRIOR TO CONSTRUCTION. ALL TRADES MUST USE THE ARCHITECTURAL PLANS OF RECORD FOR CONSTRUCTION
- OWNER, BUILDER AND/OR ANY CONTRACTORS SHALL COMPLY WITH ALL LOCAL CODES AND/OR ORDINANCES; APPROVAL OF THIS PLAN DOES NOT RELIEVE ANY PARTIES FROM THOSE COMPLIANCES
- UTILITY LOCATIONS WERE OBTAINED FROM MUNICIPAL OFFICIALS AND RECORDS OF UTILITY COMPANIES, AND NO GUARANTEE CAN BE MADE TO THE COMPLETENESS OR EXACTNESS OF LOCATION.
- THIS SURVEY MAY NOT SHOW ALL EASEMENTS OF RECORD UNLESS AN UPDATED TITLE POLICY IS FURNISHED TO THE SURVEYOR BY THE OWNER

UNAUTHORIZED USE OF THIS DRAWING WITHOUT WRITTEN PERMISSION FROM MAURO ENGINEERING IS STRICTLY PROHIBITED, AND IS A VIOLATION OF U.S. COPYRIGHT LAWS AND WILL BE SUBJECT TO CIVIL DAMAGES AND PROSECUTION

CLIENT: COVENANT CHURCH

PROJECT LOCATION: ROCHESTER HILLS

DATE: 07-12-2021

SCALE: 1"=40'

900 W. HAMLIN RD TOPOGRAPHY/EX. CONDITIONS

**Mauro Engineering**  
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Drawn By: MIM  
Checked By: G.M.  
Approved By: S.M.

Revisions:	Date:	By:
PER CITY COMM	2021-12-01	A.S.

STATE OF MICHIGAN  
GIOVANNI B. MAURO  
PROFESSIONAL ENGINEER  
No. 68193

SIMONE B. MAURO, P.E. - No. 30592  
GIOVANNI B. MAURO, P.E. - No. 58276

Job No. 21-104

Sheet No. 1 OF 2

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- Mauro Engineering
- Assumes no responsibility for given house dimensions. Client must verify dimensions prior to construct.
  - This plan shall not be used to set foundations.
  - Setbacks shown on this plot plan were obtained from the municipality. Since deed restrictions are not supplied by the municipality, the client must verify any special subdivision restrictions.
  - Lead locations shown on plan are approx. from approved plans. Contractor to field verify all lead locations.
  - Assumes no responsibility for house placement designed within 0.5' of approved setbacks.
  - No task work given at the time of survey