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

1. 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 OAKLAND COUNTY SOIL EROSION AND SEDIMENTATION CONTROL ORDINANCE.
2. ALL EROSION AND SEDIMENT CONTROL WORK SHALL CONFORM TO THE STANDARDS AND SPECIFICATIONS OF THE OAKLAND COUNTY WATER RESOURCES COMMISSION (OCWRC).
3. 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 BOTH NATURAL AND MANMADE OPEN DITCHES, STREAMS, STORM DRAINS, LAKES AND PONDS.
4. 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.
5. THE LANDOWNER OR LANDOWNER'S REPRESENTATIVE SHALL BE RESPONSIBLE FOR INSTALLATION AND MAINTENANCE OF SOIL EROSION AND SEDIMENTATION CONTROL DEVICES.
6. 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 OCWRC.
7. IF ANY OF THESE SESC MEASURES ON THE SITE ARE DEEMED INADEQUATE OR INEFFECTIVE, THE OCWRC, SESC DIVISION, HAS THE RIGHT TO REQUIRE ADDITIONAL SESC MEASURES AT THE EXPENSE OF THE LANDOWNER.
8. INSTALL A CRUSHED CONCRETE ACCESS DRIVE PLACED ON GEOTEXTILE FABRIC AS INDICATED ON THE PLAN. THE ACCESS DRIVE MUST BE A MINIMUM OF 12'x50'x8".
   A. NEW LAYERS OF CRUSHED CONCRETE WILL BE ADDED AS OLD LAYERS BECOME COMPACTED.
9. INSTALL SILT FENCE AND OUTLET FILTER AS INDICATED ON PLAN AND AT ADDITIONAL AREAS AS NECESSARY.
   A. SILT FENCE AND OUTLET FILTER SHALL BE INSTALLED PER DETAIL.
   B. BUILT UP SEDIMENT SHALL BE REMOVED WHEN SEDIMENT ACCUMULATES TO 1/3 OF THE HEIGHT OF THE SILT FENCE / FILTER.
   C. 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.
   D. SILT FENCE / FILTER 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.
10. INSTALL INLET FILTER ON ALL PAVEMENT CATCH BASINS PER PLANS.
   A. INLET FILTERS 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.
   B. BUILDUP OF SEDIMENT AND DEBRIS SHALL BE REMOVED PROMPTLY.
   C. IF 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.
11. INSTALL DRAIN GUARD ON ALL YARD CATCH BASINS PER DETAIL; SEED OR SOD THE AREA BETWEEN THE SILT FENCE AND THE INLET..
   A. DRAIN GUARDS 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.
   B. BUILDUP OF SEDIMENT AND DEBRIS SHALL BE REMOVED WHEN SEDIMENT ACCUMULATES TO 1/3 OF THE HEIGHT OF THE SILT FENCE / FILTER.
   C. IF 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.
12. INLET SEDIMENT TRAPS AND ALL DITCH SEDIMENT TRAPS SHALL BE INSPECTED DAILY. THE SEDIMENT PITS SHALL BE CLEANED OUT WHEN HALF FULL, OR AS DIRECTED BY THE OCWRC.
13. DETENTION / RETENTION / SILTATION BASINS:
   A. INSTALL SILT FENCE AROUND TOP OF BANK OF DETENTION BASIN.
   B. SEED / MULCH BANKS USING MULCH BLANKET OF BASIN IMMEDIATELY AFTER EXCAVATION. ALL PONDS MUST BE STABILIZED PRIOR TO BEING PLACED IN SERVICE.
   C. THE POND MUST BE CLEANED OF SEDIMENT AN OTHER DEBRIS PRIOR TO FINALIZATION OF THE PERMIT. ANY AREAS LACKING VEGETATION MUST BE REPAIRED BEFORE FINAL APPROVAL FOR THE PROJECT IS GRANTED.
14. UTILITIES AND PUMP STATION:
   A. THE ROAD RIGHT OF WAY MUST BE SEEDED AND MULCHED WITH FIVE (5) DAYS AFTER UTILITES HAVE BEEN INSTALLED. IF THIS IS NOT POSSIBLE, ALL SESC MEASURES MUST STAY IN PLACE AND MUST BE MAINTAINED UNTIL PERMANENT STABILIZATION IS COMPLETED.
15. ALL STOCKPILED SOILS MUST BE MAINTAINED IN SUCH A WAY AS TO PREVENT EROSION FROM LEAVING THE SITE. IF THE STOCKPILE WILL BE ON SITE FOR MORE THEN 30 DAYS, THEN THE STOCK PILE MUST BE SEEDED. SILT FENCE MUST BE INSTALLED AROUND THE PERIMETER OF THE STOCKPILE.
16. IMMEDIATELY AFTER SEEDING, MULCH ALL SEEDED AREAS WITH UNWEATHERED SMALL GRAIN STRAW, SPREAD UNIFORMLY AT THE RATE OF ONE (1) TO TWO (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 OCWRC. MULCH MATTING MAY BE USED IN LIEU OF LOOSE MULCH.
17. IF ANY DEWATERING IS NEEDED, IT SHALL BE DISCHARGED THROUGHOUT A FILTER BAG OVER A WELL VEGETATED AREA. THE PUMP MUST DISCHARGE AT A NON–EROSIVE VELOCITY. IF NECESSARY, AN APPROVED ENERGY DISSIPATER MAY BE USED.
18. ALL DIRT TRACKED ONTO ANY ROADWAY SHALL BE REMOVED IMMEDIATELY.
19. STREETS AND OR PARKING AREAS WILL BE SCRAPED ON A DAILY BASIS AND SWEPT AT A MINIMUM OF ONCE PER WEEK BY THE LANDOWNER OR LANDOWNER'S REPRESENTATIVE.
20. DURING DRY PERIODS, ALL DISTURBED AREAS SHALL BE WATERED FOR DUST CONTROL.
21. 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 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 WHERE SIGNIFICANT EARTH CHANGE ACTIVITY CEASES, TEMPORARY SOIL EROSION MEASURES SHALL BE IMPLEMENTED IMMEDIATELY. ALL TEMPORARY SOIL EROSION CONTROL MEASURES SHALL 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.
22. FINAL GRADE, ESTABLISH VEGETATION AND OR LANDSCAPE ALL DISTURBED AREAS NOT BUILT OR PAVED UPON.
23. REMOVE ALL TEMPORARY SOIL EROSION DEVICES AFTER PERMANENT STABILIZATION IS ESTABLISHED.
24. APPROXIMATE START DATE – MAY 2022. APPROXIMATE COMPLETION DATE – JUNE 2022.
25. SOIL TYPES ARE 10b: MARLETTE SANDY LOAM 1–6% SLOPES AND 41b: AQUENTS, SANDY AND LOAMY, UNDULATING..

NEAREST WATERCOURSE IS GALLOWAY CREEK 1200' NORTH OF SITE). TOTAL GROSS ACREAGE DISTURBED = 2.1 ACRES.

NAME(S) AND PHONE NUMBER(S) OF THE RESPONSIBLE PERSON(S) FOR THE MAINTENANCE OF ALL TERMPORARY SOIL EROSION MEASURES:

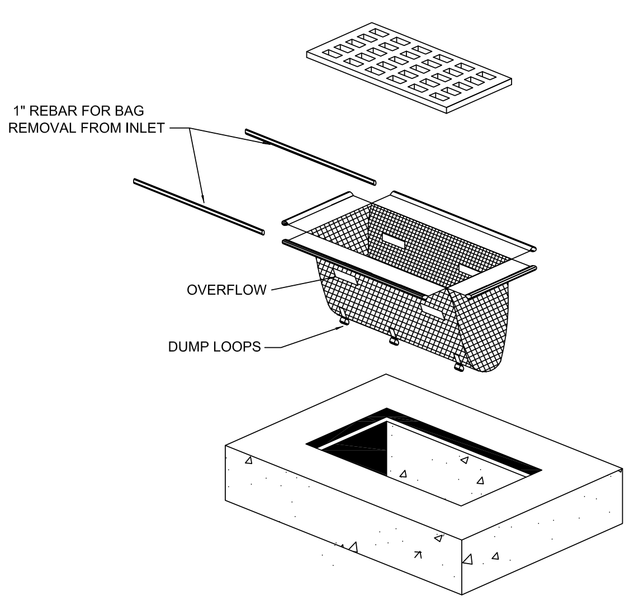
_____

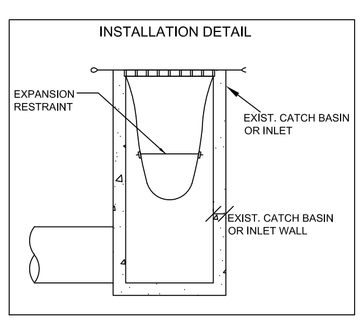
_____

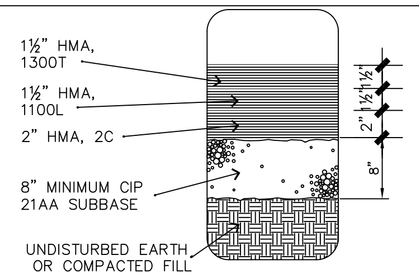
LEGAL DESCRIPTION (TAX ID'S #14–09–377–015, 14–09–377–016, 14–09–377–017, 14–09–377–028, 14–09–377–029, 14–09–377–030, 14–09–377–031)

LOTS 94, 95, 96, 97 AND 98, SHATTUCK FARMS SUBDIVISION ACCORDING TO THE RECORDED PLAT THEREOF AS RECORDED IN LIBER 35 OF PLATS, PAGE 52, OAKLAND COUNTY RECORDS IN PART OF THE SOUTHWEST ¼ OF SECTION 9, TOWN 3 NORTH, RANGE 10 EAST, CITY OF PONTIAC, OAKLAND COUNTY, STATE OF MICHIGAN.

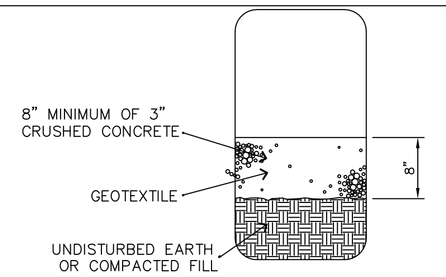
## REQUIRED SACK TYPE INLET FILTER



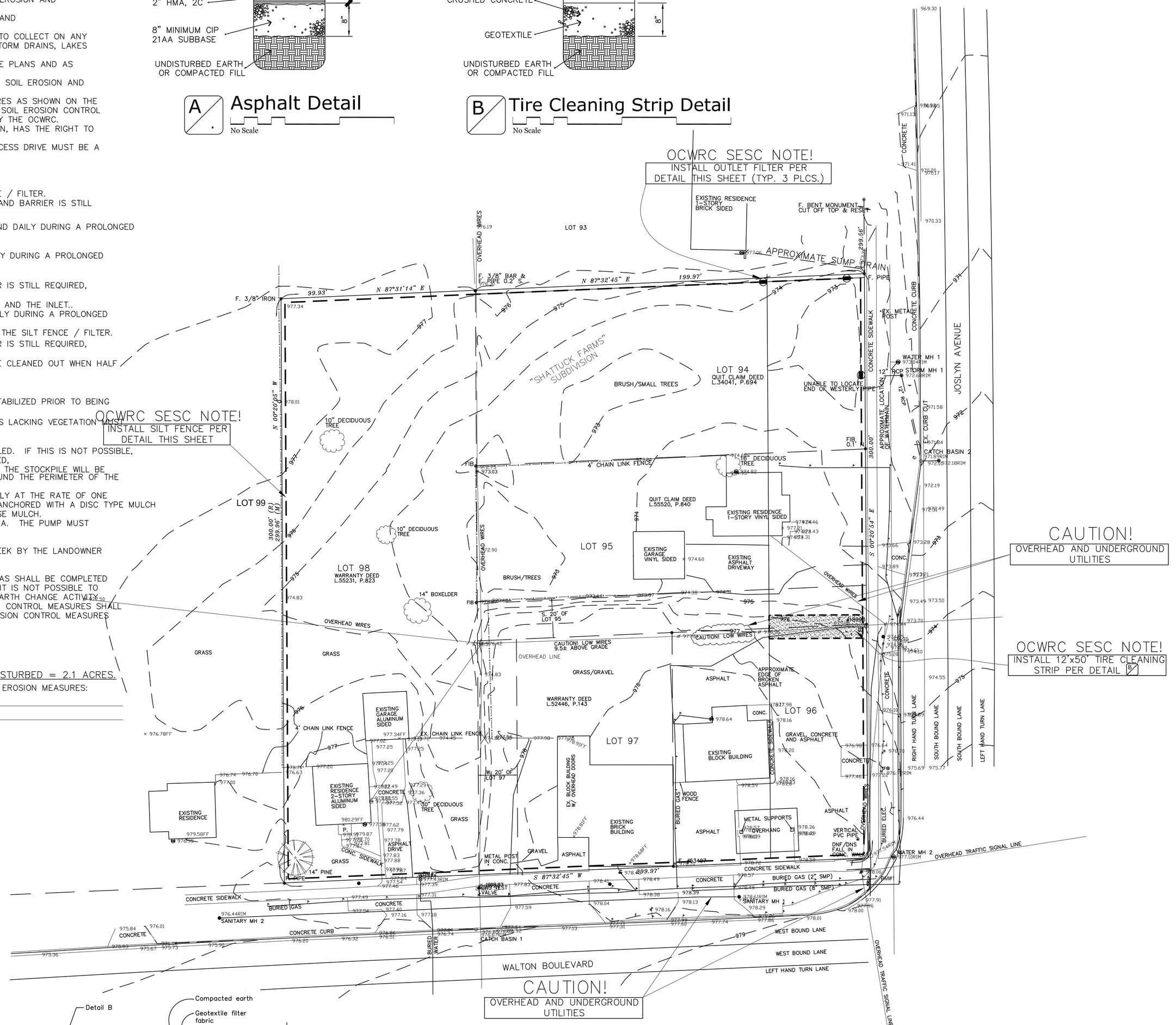



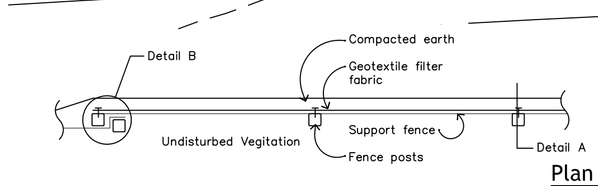




A Asphalt Detail
No Scale

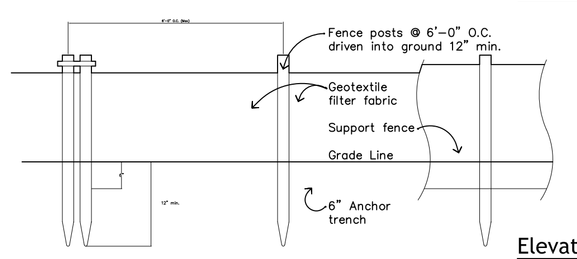



B Tire Cleaning Strip Detail
No Scale

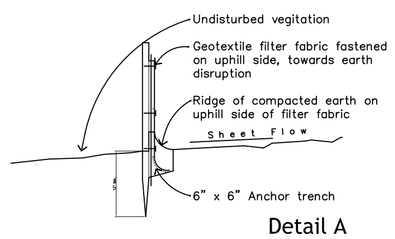


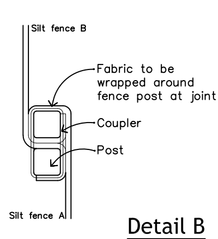

Plan View




Elevation



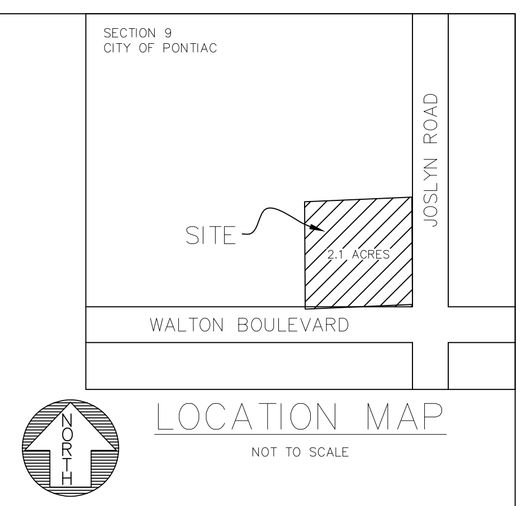

Detail A




Detail B

C Soil Erosion Fence Details
No Scale

SESC PLAN
SCALE 1"=30'




LOCATION MAP
NOT TO SCALE

### Sequence of Control Measures:

GENERAL DESCRIPTION AND SEQUENCE FOR THE VARIOUS CONTROL MEASURES:

PROPOSED START DATE: 4/18/2022

A. PROVIDE SILT FENCE AS INDICATED AROUND THE SITE. PROVIDE OUTLET FILTERS THROUGH THE SILT FENCE AND CATCH BASIN FILTERS WHERE INDICATED ON PLANS AND IN ACCORDANCE WITH DETAILS ON THIS SHEET. INSTALL ON 4/18/2022.

B. SELECTIVE DEMOLITION OF ABOVE GROUND STRUCTURES WILL BE DONE AFTER ABOVE SOIL EROSION CONTROL MEASURES ARE IN PLACE. THE DEMOLITION WILL BE COMPLETED BY 5/27/2022. MAINTAIN CB INLET FILTERS AFTER INSTALLATION OF NEW STORM SYSTEM. MAINTAIN IN UNTIL NEW PARKING COMPLETED BY 10/15/2022.

C. PARCEL ID'S #74–25–022–3003–000, 14–09–377–015, 14–09–377–016, 14–09–377–017, 14–09–377–028, 14–09–377–029, 14–09–377–030, 14–09–377–031.

D. PERMANENT EROSION CONTROL MEASURES WILL BE PLACED AFTER ROUGH GRADING. THE SEEDING AND MULCHING WILL BE INSTALLED BY 10/1/2022.

NOTE: ALL CONSTRUCTION SHALL CONFORM TO THE CURRENT STANDARDS AND SPECIFICATIONS OF ALL GOVERNING AGENCIES.

NOTE: ALL WATERMAINS, SANITARY SEWERS, (AND LEADS) AND STORM SEWERS UNDER PROPOSED OR EXISTING PAVEMENT OR WITHIN INFLUENCE OF PAVEMENT (EXTENDING 3' BEYOND EDGE OF PAVEMENT THEN TAPERING TO ORIGINAL GROUND AT 1:1 SLOPE) SHALL BE SAND BACKFILLED AND COMPACTED TO 95% OPTIMUM (PROCTOR) DENSITY. ALL UTILITY CROSSINGS SHALL BE SAND BACKFILLED. SAND BACKFILLING IS INCIDENTAL TO UNIT PRICES.

MISS DIG
3 WORKING DAYS BEFORE YOU DIG
CALL MISS DIG (www.missdig.net)
1–800–482–7171
OR 8 – 1 – 1
TOLL FREE FOR THE LOCATION OF UNDERGROUND FACILITIES

A SESC PLAN FOR 529 EAST WALTON:
CRD ASSOCIATES
. . .CONTACT: JOHN MILLER (313) 670–0306

JOB NUMBER
22011


ENGINEERING BY:
Simpson Engineering LLC
MARK P. SIMPSON PE LN 33208
119 WEST SAINT CLAIR STREET
ROMEO, MICHIGAN 48065
(586) 752–9872 * EMAIL: mpsimpson1959@yahoo.com JMJ


DATE: 4/14/2022
DR.: MPS CK.: MPS
REVISED:

SCALE:1" = 30'
SHEET 4 OF 4