



Notice of Authorization

Permit Number 12-63-0066-P

Issued: May 14, 2012

Expiration Date: May 14, 2017

The Michigan Department of Environmental Quality, Water Resources Division,
P.O. Box 30458, Lansing, Michigan 48909-7958, under provisions of the Natural Resources and
Environmental Protection Act, 1994 PA 451, as amended, and specifically:

- Part 31, Floodplain Regulatory Authority of the Water Resources Protection.
- Part 301, Inland Lakes and Streams.
- Part 303, Wetlands Protection.
- Part 315, Dam Safety.
- Part 323, Shorelands Protection and Management.
- Part 325, Great Lakes Submerged Lands.
- Part 353, Sand Dunes Protection and Management.

Authorized activity:

Project is to reconstruct Crooks Road from Starbatt Drive north to Bonnie Brae Street, and to improve the intersection at Hamlin Road to meet safety guidelines. Two shared use 8 feet wide pathways will be constructed on both sides of the road. The project includes the placement of 2,025 cubic yards of fill along the edges of wetlands, for a total impact of 0.098 acres and the placement of 295 cubic yards of fill in the floodplain of the Clinton River. Five stormwater outlet pipes (C,E,F,H,I) will be installed that will outlet to floodplains/wetlands. Place riprap at the stormwater outlet pipes for erosion protection.

To be conducted at property located in: Oakland County, Waterbody: Clinton River floodplain
Section 20 29, Town 3N, Range 11E, City of Rochester Hills.

Permittee: Oakland County Road Commission
31001 Lahland Road
City of Beverly Hills, MI 48025

Alex Sanchez
Alex Sanchez
Water Resources Division
586-753-3700

*This notice must be displayed at the site of work.
Laminating this notice or utilizing sheet protectors is recommended.*

Please refer to the above Permit Number with any questions or concerns.



**MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER RESOURCES DIVISION
PERMIT**

ISSUED TO:

Oakland County Road Commission
31001 Lahland Road
City of Beverly Hills, MI 48025

Permit No.	12-63-0066-P
Issued	May 14, 2012
Extended	
Revised	
Expires	May 14, 2017

This permit is being issued by the Michigan Department of Environmental Quality (MDEQ) under the provisions of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended (NREPA), and specifically:

- | | |
|--|---|
| <input type="checkbox"/> Part 301, Inland Lakes and Streams | <input type="checkbox"/> Part 315, Dam Safety |
| <input type="checkbox"/> Part 325, Great Lakes Submerged Lands | <input type="checkbox"/> Part 323, Shorelands Protection and Management |
| <input checked="" type="checkbox"/> Part 303, Wetlands Protection | <input type="checkbox"/> Part 353, Sand Dunes Protection and Management |
| <input checked="" type="checkbox"/> Part 31, Floodplain/Water Resources Protection | |

Permission is hereby granted, based on permittee assurance of adherence to State of Michigan requirements and permit conditions, to:

Permitted Activity:

Project is to reconstruct Crooks Road from Starbatt Drive north to Bonnie Brae Street, and to improve the intersection at Hamlin Road to meet safety guidelines. Two shared use 8 feet wide pathways will be constructed on both sides of the road. The project includes the placement of 2,025 cubic yards of fill along the edges of wetlands, for a total impact of 0.098 acres and the placement of 295 cubic yards of fill in the floodplain of the Clinton River. Five stormwater outlet pipes (C,E,F,H,I) will be installed that will outlet to floodplains/wetlands. Place riprap at the stormwater outlet pipes for erosion protection.

Water Course Affected: Clinton River floodplain

Property Location: Oakland County, T3N, R11E, Section 20, 28, and 29, City of Rochester Hills
Subdivision, Lot Town/Range 3N, 11E Property Tax No. 246-645-0618

Authority granted by this permit is subject to the following limitations:

- A. Initiation of any work on the permitted project confirms the permittee's acceptance and agreement to comply with all terms and conditions of this permit.
- B. The permittee, in exercising the authority granted by this permit, shall not cause unlawful pollution as defined by Part 31, Water Resources Protection, of the NREPA.
- C. This permit shall be kept at the site of the work and available for inspection at all times during the duration of the project or until its date of expiration.
- D. All work shall be completed in accordance with the plans and specifications submitted with the application and/or plans and specifications attached to this permit.
- E. No attempt shall be made by the permittee to forbid the full and free use by the public of public waters at or adjacent to the structure or work approved.
- F. It is made a requirement of this permit that the permittee give notice to public utilities in accordance with Act 53 of the Public Act of 1974 and comply with each of the requirements of that Act.
- G. This permit does not convey property rights in either real estate or material, nor does it authorize any injury to private property or invasion of public or private rights, nor does it waive the necessity of seeking federal assent, all local permits, or complying with other state statutes.
- H. This permit does not prejudice or limit the right of a riparian owner or other person to institute proceedings in any circuit court of this state when necessary to protect his rights.
- I. Permittee shall notify the MDEQ within one week after the completion of the activity authorized by this permit, by completing and forwarding the attached preaddressed postcard to the office addressed thereon.
- J. This permit shall not be assigned or transferred without the written approval of the MDEQ.

- K. Failure to comply with conditions of this permit may subject the permittee to revocation of permit and criminal and/or civil action as cited by the specific state act, federal act, and/or rule under which this permit is granted.
- L. All dredged or excavated materials shall be disposed of in an upland site (outside of floodplains, unless exempt under Part 31, and wetland).
- M. In issuing this permit, the MDEQ has relied on the information and data that the permittee has provided in connection with the submitted application for permit. If, subsequent to the issuance of a permit, such information and data prove to be false, incomplete, or inaccurate, the MDEQ may modify, revoke, or suspend the permit, in whole or in part, in accordance with the new information.
- N. The permittee shall indemnify and hold harmless the State of Michigan and its departments, agencies, officials, employees, agents and representatives for any and all claims or causes of action arising from acts or omissions of the permittee or employees, agents, or representatives of the permittee undertaken in connection with this permit. This permit shall not be construed as an indemnity by the State of Michigan for the benefit of the permittee or any other person.
- O. Noncompliance with these terms and conditions and/or the initiation of other regulated activities not specifically authorized shall be cause for the modification, suspension, or revocation of this permit, in whole or in part. Further, the MDEQ may initiate criminal and/or civil proceedings as may be deemed necessary to correct project deficiencies, protect natural resource values, and secure compliance with statutes.
- P. If any change or deviation from the permitted activity becomes necessary, the permittee shall request, in writing, a revision of the permitted activity from the MDEQ. Such revision request shall include complete documentation supporting the modification and revised plans detailing the proposed modification. Proposed modifications must be approved, in writing, by the MDEQ prior to being implemented.
- Q. This permit may be transferred to another person upon written approval of the MDEQ. The permittee must submit a written request to the MDEQ to transfer the permit to the new owner. The new owner must also submit a written request to the MDEQ to accept transfer. The new owner must agree, in writing, to accept all conditions of the permit. A single letter signed by both parties which includes all the above information may be provided to the MDEQ. The MDEQ will review the request and if approved, will provide written notification to the new owner.
- R. Prior to initiating permitted construction, the permittee is required to provide a copy of the permit to the contractor(s) for review. The property owner, contractor(s), and any agent involved in exercising the permit are held responsible to ensure that the project is constructed in accordance with all drawings and specifications. The contractor is required to provide a copy of the permit to all subcontractors doing work authorized by the permit.
- S. Construction must be undertaken and completed during the dry period of the wetland. If the area does not dry out, construction shall be done on equipment mats to prevent compaction of the soil.
- T. Authority granted by this permit does not waive permit requirements under Part 91, Soil Erosion and Sedimentation Control, of the NREPA, or the need to acquire applicable permits from the County Enforcing Agent.
- U. Authority granted by this permit does not waive permit requirements under the authority of Part 305, Natural Rivers, of the NREPA. A Natural Rivers Zoning Permit may be required for construction, land alteration, streambank stabilization, or vegetation removal along or near a natural river.
- V. The permittee is cautioned that grade changes resulting in increased runoff onto adjacent property is subject to civil damage litigation.
- W. Unless specifically stated in this permit, construction pads, haul roads, temporary structures, or other structural appurtenances to be placed in a wetland or on bottomland of the waterbody are not authorized and shall not be constructed unless authorized by a separate permit or permit revision granted in accordance with the applicable law.
- X. For projects with potential impacts to fish spawning or migration, no work shall occur within fish spawning or migration timelines (i.e., windows) unless otherwise approved in writing by the MDNR, Fisheries Division.
- Y. Work to be done under authority of this permit is further subject to the following special instructions and specifications:
1. All work shall be completed in accordance with updated plans prepared by the Road Commission for Oakland County, received on April 21, 2012. Said plans are kept on file at the MDEQ's Water Resources Division, Transportation and Flood Hazard Unit.
 2. In issuing this permit, the MDEQ has relied on the information and data which the permittee has provided in connection with the permit application. If, subsequent to the issuance of this permit, such information and data prove to be false, incomplete, or inaccurate, the MDEQ may modify, revoke, or suspend the permit, in whole or in part, in accordance with the new information.
 3. The permittee is responsible for acquiring all necessary easements or rights-of-way before commencing any work authorized by this permit. All construction operations relating to or part of this project shall be confined to the existing right-of-way limits or other acquired easements.
 4. The authority to conduct the activity as authorized by this permit is granted solely under the provisions of the governing act as identified above. This permit does not convey, provide, or otherwise imply approval of any other governing act, ordinance, or regulation, nor does it waive the permittee's obligation to acquire any local, county, state or federal approval, or authorizations necessary to conduct the activity.

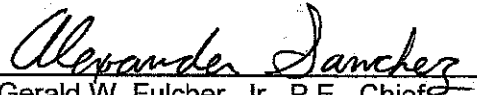
5. Noncompliance with these terms and conditions, and/or the initiation of other regulated activities not specifically authorized by this permit shall be cause for the modification, suspension, or revocation of this permit, in whole or in part. Further, the MDEQ may initiate criminal and/or civil proceedings as may be deemed necessary to correct project deficiencies, protect natural resource values, and secure compliance with statutes.
6. The permittee shall indemnify and hold harmless the State of Michigan and its departments, agencies, officials, employees, agents and representatives for any and all claims or causes of action arising from acts or omissions of the permittee, or employees, agents, or representatives of the permittee, undertaken in connection with this permit. This permit shall not be construed as an indemnity by the State of Michigan for the benefit of the permittee or any other person.
7. If any change or deviation from the permitted activity becomes necessary, the permittee shall request, in writing, a revision of the permitted activity and/or mitigation plan from the MDEQ. Such revision requests shall include complete documentation supporting the modification and revised plans detailing the proposed modification. Proposed modifications must be approved, in writing, by the MDEQ prior to being implemented.
8. This permit may be transferred to another person upon written approval of the MDEQ. The permittee must submit a written request to the MDEQ to transfer the permit to the new owner. The new owner must also submit a written request to accept transfer of the permit. The new owner must agree, in writing, to accept all conditions of the permit. A single letter signed by both parties which includes all the above information may be provided to the MDEQ. The MDEQ will review the request and if approved, will provide written notification to the new owner.
9. Authority granted by this permit does not waive compliance requirements under Part 91, Soil Erosion and Sedimentation Control, of the NREPA. Any discharge of sediment into waters of the state and/or off the road right-of-way is a violation of this permit, Part 91, and Part 31, Water Resources Protection, of the NREPA. A violation of these parts subjects the permittee to potential fines and penalties.
10. Temporary soil erosion and sedimentation control measures shall be installed before commencement of the earth change and shall be maintained daily. Temporary soil erosion and sedimentation control measures shall be maintained until permanent soil erosion and sedimentation control measures are in place and the area is stabilized. Permanent soil erosion and sedimentation control measures for all slopes, channels, ditches, or any disturbed area shall be installed within five (5) calendar days after final grading or the final earth change has been completed.
11. All raw areas resulting from the permitted construction activity shall be promptly and effectively stabilized with sod and/or seed and mulch (or other technology specified by this permit or project plans) in a sufficient quantity and manner so as to prevent erosion and any potential siltation to surface waters or wetlands.
12. All raw earth within 100 feet of a lake, stream, or wetland that is not brought to final stabilization by the end of the active growing season shall be temporarily stabilized with mulch blankets in accordance with the following dates: September 20th for the Upper Peninsula, October 1st for the Lower Peninsula north of US-10, and October 10th for the Lower Peninsula south of US-10.
13. All dredge/excavated spoils including organic and inorganic soils, vegetation, and other material removed shall be placed on upland (non-wetland, non-floodplain or non-bottomland), prepared for stabilization, and stabilized with sod and/or seed and mulch in such a manner to prevent and ensure against erosion of any material into any waterbody, wetland, or floodplain.
14. All slurry resulting from any dewatering operation shall be discharged through a filter bag or pumped to a sump located away from wetlands and surface waters and allowed to filter through

natural upland vegetation, gravel filters, or other engineered devices for a sufficient distance and/or period of time necessary to remove sediment or suspended particles.

15. Unless specifically stated under the "Permitted Activity" of this permit, construction pads, haul roads, temporary structures, or other structural appurtenances to be placed in a wetland or on bottomland of the waterbody are not authorized and shall not be constructed unless authorized by a separate permit or permit revision granted in accordance with the applicable law.
16. Prior to the initiation of any permitted construction activities, a siltation barrier shall be constructed immediately down gradient of the construction site. Siltation barriers shall be specifically designed to handle the sediment type, load, water depth, and flow conditions of each construction site throughout the anticipated time of construction and unstable site conditions. The siltation barrier shall be maintained in good working order throughout the duration of the project. Upon project completion, the accumulated materials shall be removed and disposed of at an upland (non-wetland, non-floodplain) site. The siltation barrier shall then be removed in its entirety and the area restored to its original configuration and cover.
17. All fill/backfill shall consist of clean inert material that will not cause siltation nor contain soluble chemicals, organic matter, pollutants, or contaminants. All fill shall be CONTAINED in such a manner so as not to erode into any surface water, floodplain, or wetland. All raw areas associated with the permitted activity shall be STABILIZED with sod and/or seed and mulch, riprap, or other technically effective methods as necessary to prevent erosion.
18. Road fill side slopes and all other raw slopes and ditches draining directly to the stream must be protected with riprap over geotextile fabric or stabilized with appropriate Best Management Practices based on site conditions as necessary to provide effective erosion protection.
19. Graded riprap consisting of clean stone or cut rock shall be placed in sufficient quantity over geotextile fabric so all voids are filled to provide adequate erosion protection.
20. If the project, or any portion of the project, is stopped and lies uncompleted for any length of time other than that encountered in a normal work week, every precaution shall be taken to protect the uncompleted work from erosion, including the placement of temporary gravel bag riprap or other acceptable temporary protection.
21. Any change to the road grade elevations other than that shown by the plans will require prior approval by the MDEQ's Water Resources Division.
22. A storm water discharge permit may be required under the Federal Clean Water Act for construction activities that disturb one or more acres of land and discharge to surface waters. For sites over five (5) acres, the permit coverage may be obtained by a Part 91, Soil Erosion and Sedimentation Control (SESC), permit and filing a "Notice of Coverage" form to the MDEQ's Water Bureau. For sites with disturbance from one acre up to five acres, storm water coverage is automatic once the SESC permit is obtained. These one to five acre sites are not required to apply for coverage, but are required to comply with storm water discharge permit requirements. Information on the storm water discharge permit is available from the Water Resources Division's Storm Water Permit Program by calling 517-373-8088 or at www.michigan.gov/deqwater. Select "surface water" and then select "storm water."
23. Prior to the initiation of any permitted construction activity, a silt fence shall be installed along the entire route of the disturbed wetland area and maintained in good working order until permanent stabilization and re-vegetation of all disturbed areas has occurred. The silt fence shall be removed after re-vegetation. All excess soil material shall be placed on an upland location and then seeded and mulched to prevent erosion into waters, floodplain, or wetlands.
24. Construction must be undertaken and completed during the dry period of the wetland.

25. Prior to the start of construction, all adjacent non-work wetland areas shall be protected by properly trenched filter fabric fence to prevent sediment from entering the wetland. Orange construction fencing may be installed as needed to prohibit construction personnel from entering or performing work in these areas. The fence shall be maintained daily throughout the construction process. Upon project completion, the accumulated materials shall be removed and disposed of at an upland site. The erosion barrier shall then be removed in its entirety, and the area restored to its original configuration and cover.
26. The local unit of government in which this project site is located has a wetland ordinance. Authority granted by this permit does not waive permit requirements or the need to obtain a separate permit from the local unit of government.
27. This permit is being issued for the maximum time allowed under Part 303, Wetlands Protection, and the Floodplain Regulatory Authority found in Part 31, Water Resources Protection, of the Natural Resources and Environmental Protection Act, PA 451 of 1994, as amended, including all permit extensions allowed under the administrative rules R 281.813 and R 281.923. Therefore, no extensions of this permit will be granted. Initiation of the construction work authorized by this permit indicates the permittee's acceptance of this condition. The permit, when signed by the MDEQ, will be for a five-year period beginning at the date of issuance.

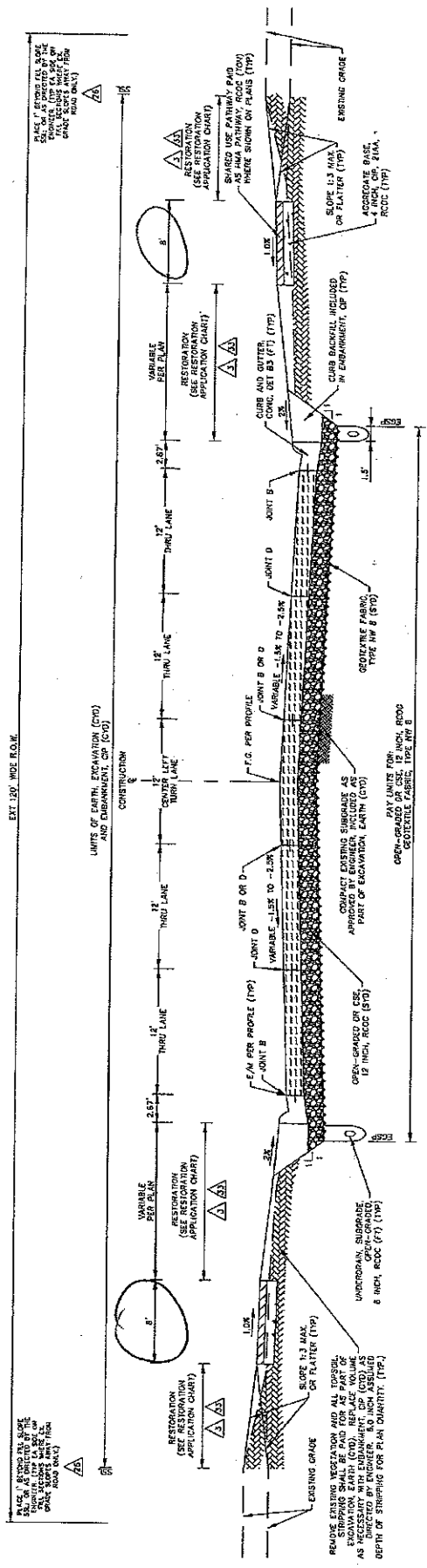
By:


for Gerald W. Fulcher, Jr., P.E., Chief,
Transportation and Flood Hazard UnitWater Resources Division
517-335-3172

cc: City of Rochester Hills Clerk
Oakland County Water Resources Commissioner
Oakland CEA
Mr. Brent Schriener, MDOT, Local Agency Programs
Ms. Hae-Jin Yoon, MDEQ, WRD
Ms. Melanie Foose, MDEQ, WRD

RECEIVED
 MIHILL CONSULTING ENGINEERS
 APR 04 2012
 WATER RESOURCES DIVISION

PROJECT NAME: CROOKS ROAD
 AVON INDUSTRIAL DISTRICT TO BONNIE BRAE ST
 CONTROL SECTION
 MDOT JOB NO. 8041



TYPICAL B
 CONCRETE APPLIES AT:
 CROOKS ROAD STA 34+54.88 TO 43+61.66
 HAWLEY ROAD STA 119+03.87 TO 120+71.82 (P.O.E.)

BRIDGE OVER CLINTON RIVER
 APPROXIMATELY
 CROOKS ROAD STA 43+61.66 TO 44+13.34
 NO WORK PROPOSED ON BRIDGE DECK - SEE AS-BUILT PLANS ON PAGE 84

PROJECT NO. 8041 PROJECT NAME: CROOKS ROAD
 PROJECT NO. 50841 TYPICAL CROSS SECTIONS 3
 DATE 03/27/12
 DESIGN PHASE PRELIMINARY
 SHEET NO. 10 OF 100
 ROAD COMMISSION
 BEVERLY HILLS, MICHIGAN
 PROJECT NO. 50841

REMOVE EXISTING VEGETATION AND ALL TOPSOIL AND REGRADE TO PROPOSED FINISH GRADE. EXCAVATION EARTH (C/D) SHALL BE REPLACED WITH AS NECESSARY WITH ENHANCEMENT, CP (C/D) AS NECESSARY TO MAINTAIN PROPOSED FINISH GRADE. DEPTH OF STRIPPING FOR PLAN QUANTITY. (T/P)



FULL SIZE (24" x 36") 1" = 30'
 REDUCED SIZE (11" x 17") 1" = 60'

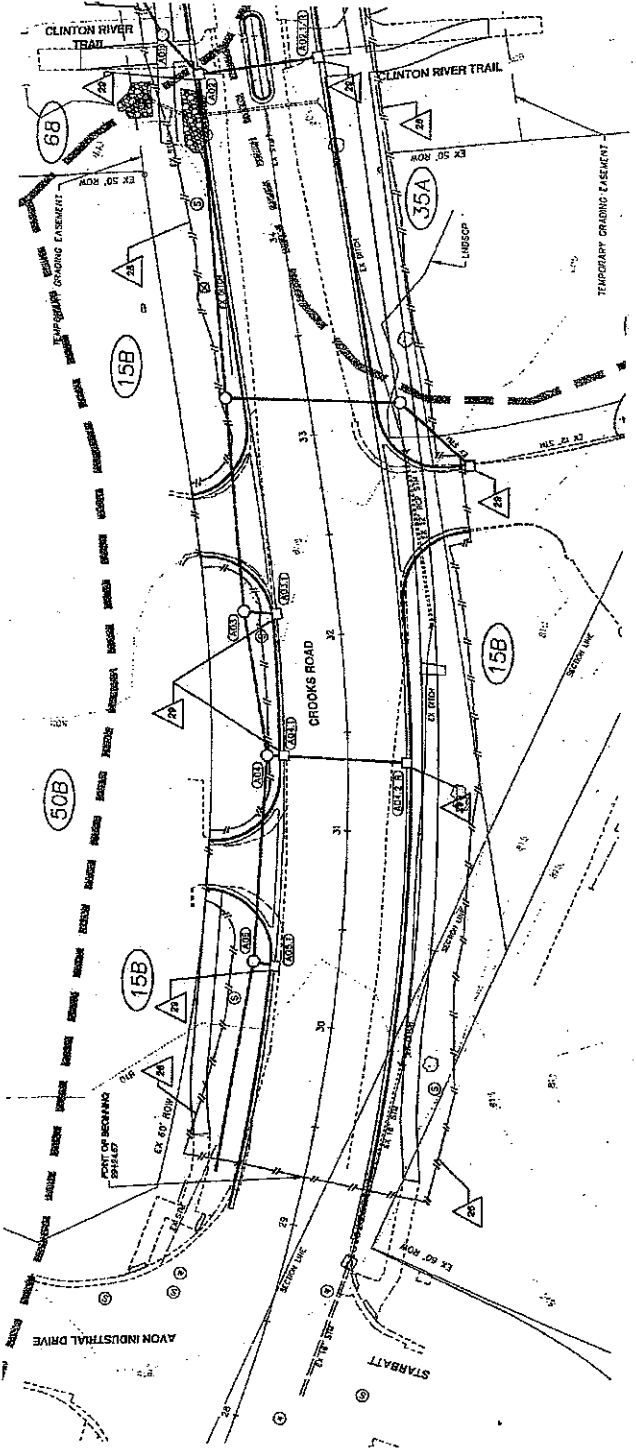


SESC QUANTITIES - THIS SHEET

PAY ITEM	QTY	UNIT
EROSION CONTROL, SILT FENCE, ROAD	-	FT
EROSION CONTROL, INLET PROTECTION, PAVING DRAIN, ROAD	-	EA
SEEDLING, CHEROKEE, NUTMEAT, CL M	-	LB
WACK-PLANTER	-	BYD
WACK-PLANTER, 24" DIA	-	BYD
TORON, SURFACE, 2 INCH	-	BYD
WATER, SEDIMENTATION	-	UNIT

RECEIVED
 AVON, DEPT. OF NATURAL RESOURCES & ENVIRONMENT
 APR 04 2012

WATER RESOURCES DIVISION



PROJECT NO. 50841
 DATE 03/27/12

SESC 1 - STA 28+24.57 TO STA 35+00
 CROOKS ROAD
 AVON INDUSTRIAL DR/STARBATT TO BONNIE BRAE ST

SECTION PROCESS
 PRELIMINARY
 SHEET NO. 36 OF 100

