

PART 1 - GENERAL

1.1 SUMMARY

- .1 Section Includes:
 - .1 Methods and requirements for cleaning, deepening and excavating water channels.
 - .2 Related Sections:
 - .1 Section 01 33 00 - Submittal Procedures.
 - .2 Section 01 35 43 - Environmental Procedures.
 - .3 Section 01 52 00 - Construction Facilities.
 - .4 Section 01 35 30 - Health and Safety Requirements.
 - .5 Section 31 24 13 - Excavation, Embankment and Compaction.
 - .3 Measurement for Payment:
 - .1 Channel excavation will not be measured separately for payment and will be covered under the item 1.3.7 Common Excavation in section 01 22 16 - Measurement and Payment.

1.2 DEFINITIONS

- .1 Common excavation: materials of whatever nature, which are not included under definition of rock excavation, including dense tills, hard pan, frozen materials and waste rock materials, which can be ripped and excavated with heavy construction equipment.
- .2 Unclassified excavation: deposits of whatever character encountered in Work.

1.3 SUBMITTALS

- .1 Submittals in accordance with Section 01 33 00 - Submittal Procedures.
- .2 Submit to Departmental Representative following information for channel excavation operation:
 - .1 Description of process to be implemented including, but not limited to, site plan and available equipment specifications.

- .2 Detailed operating procedures for proposed excavation method.
- .3 Detailed operating procedures for proposed dewatering method.
- .4 Detailed description and specifications for environmental controls including, but not limited to, control of sediment migration.

1.4 QUALITY ASSURANCE

- .1 Health and Safety:
 - .1 Do construction occupational health and safety in accordance with Section 01 35 30 - Health and Safety Requirements.

1.5 DELIVERY, STORAGE AND HANDLING

- .1 Environmental Protection:
 - .1 Provide erosion and sediment control measures to prevent migration of suspended sediments in downstream areas and erosion of on-site soils/sediments during the execution of the work as per requirements of Section 01 35 43 - Environmental Procedures.

PART 2 - PRODUCTS

2.1 MATERIALS

- .1 Not Used.

PART 3 - EXECUTION

3.1 EXCAVATION

- .1 Excavate new channels to design lines, grades and cross sections as indicated.
- .2 Deepen existing channels to design lines, grades and cross sections as indicated.
- .3 Confirm existing grades and adjust excavation quantities as necessary to produce desired channel configuration.
- .4 Provide and maintain means and devices for dewatering of water entering excavated areas.
 - .1 Remove water as fast as it collects without interfering with execution of

work as reviewed by Departmental Representative.

- .5 Do not place excavated materials adjacent to channel in manner that will impede flow of surface water from adjacent land, or cause instability of channel banks.
- .6 Upon completion of excavation, clean and trim site.
 - .1 Reinstate disturbed areas immediately after completion of grading as directed by Departmental Representative.
- .7 Dispose of excavated materials on-site or if native till it shall be used as clean backfill in other areas of the site as directed by Departmental Representative.