

CONTRACT #
PROJECT # 17M102CN
MACC # 17-0450
MAXIMO # 4756357

TITLE: LEJEUNE EAST SIDE UNPAVED ROADS GRAVEL AND GRADING

ATTACHMENTS: Site Map, Three pages.

SCOPE OF WORK,

General Description:

Install two forty foot lengths of 12 inch diameter HDPE corrugated pipe across Smith Road.

Install two forty foot lengths of 30 inch HDPE corrugated pipe across G10 Perimeter Rd. West.

The Contractor shall fill, compact and grade approximately 17.7 miles of non-paved roads with no less than 8,060 tons of ABC crushed stone.

Detailed requirements and specifications:

Site # 1: F-3 Range Road – 1.2 Miles – 100 Tons of ABC.

A) Distribute no less than 100 tons of ABC crushed stone to all holes and low areas. Any excess stone that is not required in holes and low areas shall be distributed on the road where ever it is determined by the project manager to improve the integrity of the road.

B) Roll compact all areas where crushed stone is applied and grade the entire length of road (1.2 miles) utilizing best professional practices as they apply to road grading.

Site # 2: Meadow Road – 3.6 Miles – 1,520 Tons of ABC.

A) Distribute no less than 1,520 tons of ABC crushed stone to all holes and low areas. Any excess stone that is not required in holes and low areas shall be distributed on the road where ever it is determined by the project manager to improve the integrity of the road.

B) Roll compact all areas where crushed stone is applied and grade the entire length of road (3.6 miles) utilizing best professional practices as they apply to road grading.

Site # 3: Smith Road – 2.7 Miles - 1,140 Tons of ABC

A) Distribute no less than 1,140 tons of ABC crushed stone to all holes and low areas. Any excess stone that is not required in holes and low areas shall be distributed on the road where ever it is determined by the project manager to improve the integrity of the road.

B) Install two forty foot long lengths of pipe approximately .4 miles North of the Old Bear Creek Road intersection and as shown on the site map and marked with orange paint on two trees and shall be installed between these two marked trees. The pipes shall be 12 inch diameter HDPE corrugated, dual wall, with the inner wall being smooth on the inside of the pipe.

Install the pipes parallel to each other and spaced with five feet distance between them from the outside.

Install the pipes at such a height as to allow the areas on the east side to drain substantially through the pipes and continue west.

Each of the forty foot lengths shall be comprised of two twenty foot sections attached in the middle according to the manufacturers' specifications and directions for connecting the pipes end to end.

Where the two sections of the pipes connect, that shall be centered on the middle of the road leaving an equal amount of excess pipe protruding on each side of the road.

The excess of pipe protruding on each side **SHALL NOT** be cut or trimmed in any way.

The pipes shall be backfilled and covered with no less than 12 inches of ABC and graded in such a way that there is no substantial bump or hump in the road.

The ABC required to back fill and cover the culvert pipes has been included in the 1,140 tons allocated for Smith Road.

Install geo textile fabric and rip rap on both sides of the road where the pipes protrude out from each side of the road to prevent erosion around the pipes.

C) Roll compact all areas where crushed stone is applied and grade the entire length of road (2.7 miles) utilizing best professional practices as they apply to road grading.

Site # 4: New Cut Road – 1.1 Miles – 1,300 Tons of ABC.

A) Distribute no less than 1,300 tons of ABC crushed stone to all holes and low areas. Any excess stone that is not required in holes and low areas shall be distributed on the road where ever it is determined by the project manager to improve the integrity of the road.

B) Roll compact all areas where crushed stone is applied and grade the entire length of road (1.1 miles) utilizing best professional practices as they apply to road grading.

Site # 5: G10 Perimeter Road North and West sections – 9.1 Miles – 3,000 Tons of ABC.

A) Distribute no less than 3,000 tons of ABC crushed stone to all holes and low areas. Any excess stone that is not required in holes and low areas shall be distributed on the road where ever it is determined by the project manager to improve the integrity of the road.

B) Install two forty foot long lengths of pipe approximately 0.44 miles north of the G-4 Road (Range ETA 4) intersection and as shown on the site map and marked with orange paint on one tree.

The pipes shall be 30 inch diameter HDPE corrugated, dual wall, with the inner wall being smooth on the inside of the pipe.

Install the pipes parallel to each other and spaced with five ten feet distance between them from the outside.

Install the pipes so that the top of the pipe is at approximately 24 inches below finished grade height and allow the areas on the east side to drain through the pipes and continue West.

Each of the forty foot lengths shall be comprised of two twenty foot sections attached in the middle according to the manufacturers' specifications and directions for connecting the pipes end to end.

Where the two sections of the pipes connect, that shall be centered on the middle of the road leaving an equal amount of excess pipe protruding on each side of the road.

The excess of pipe protruding on each side **SHALL NOT** be cut or trimmed in any way.

The pipes shall be backfilled and covered with no less than 24 inches of ABC and graded in such a way that there is no substantial bump or hump in the road.

The ABC required to back fill and cover the culvert pipes has been included in the 4,000 tons allocated for Smith Road.

Install geo textile fabric and rip rap on both sides of the road where the pipes protrude out from each side of the road to prevent erosion around the pipes.

C) Roll compact all areas where crushed stone is applied and grade the entire length of road (9.1 miles) utilizing best professional practices as they apply to road grading.

SUBMITTALS: See submittal registry

SPECIAL SCHEDULING AND ACCESS:

Some of these roads may be closed to access when certain ranges are "Hot" or "Live". The contractor shall coordinate with Range Control prior to performing any work.

Use of side range gates for purposes of crushed stone delivery may be possible with permission from Range Control and coordination with the government project manager.

SPECIAL CONDITIONS:

The Contractor shall provide to the Government Project Quality Control Manager tonnage delivery receipts showing how much crushed stone was put down on each of the five roads.

HAZARDOUS MATERIALS: None

ENVIRONMENTAL: None

HAZARDOUS MATERIALS: None

ENVIRONMENTAL: None

All measurements furnished in this scope of work are “approximate” and are for reference only. Actual precise measurements shall be field verified by the contractor.

Contractor is responsible for locating any utilities prior to digging.

Make arrangements with the Points of Contacts at the Pre-Con. meeting and / or one week prior to the project start date to coordinate accordingly so that work can commence.

OTHER POINTS OF CONTACT ARE:

Bill Vanpelt, Range Maintenance Officer, 910 451-8799 william.vanpelt@usmc.mil

Jamie Muston, Planner / Estimator – Range Maintenance (910) 451-1234
james.muston@usmc.mil

SPECIFICATIONS:

Culvert Pipe: All culvert pipes shall be dual wall high-density polyethylene pipe with smooth interior wall and corrugated exterior wall.
Each section of pipe shall be twenty feet in length and when coupled together according to the manufactures’ directions and specifications will make up each forty foot section with only one coupling.