

Geotechnical Inspection Report

SUPPORTING DOCUMENTATION

Pacific Testing & Inspection Inc.

2417 Harrison Avenue, Centralia, WA 98531

Phone (360) 736-3922 Fax (360) 807-6002

FIELD REPORT

Report # 021018TB-1

DATE: February 10, 2018
PROJECT: Hamilton Excavating QC
LOCATION: Vader Hwy. 506 Pit
PROJECT # 180008
PERMIT # _____

CUSTOMER: Hamilton Excavating
ATTENTION: Buck Harris
ADDRESS: PO Box 1611
Battle Ground, WA
98604

Time: 8:00-3:00 Temp: 52° Weather: Clear Inspection Type: Test Pit Sampling
Arrived on site as scheduled to observe excavation of test pits for aggregate quality sampling and testing.

The (2) parcels vary in elevation from -2' of the road grade to approximately -11' as you move towards the river. Both parcels are currently undeveloped except for a pump house at the roadway, irrigation stand pipes at the center of the east lot and a barn at the south east edge of the east lot.

The north section, test pit (1), of the east lot is fill to approximately 6' from existing grade. The perched water is at -5' with grey, well cemented glacial till (MH) for 1' below water. Gravel w/ cobble fine to coarse sand and silt (GP) was found at -6' and continued to -12' with test pit terminated due to water infiltration.

Test pit (2) located on the second bench at approximately -5' from the upper pad at the east edge of the east parcel. Material in pit (2) was consistent with the first pit except gravel, cobble, sand (GP) was located at 8' - 9'. This test pit was terminated due to caving of the sidewalls. This test pit also had up to 5' of old fill and perched water at -5'.

Test pit (3) located at the third bench at the east edge of the east lot at approximately -9' from the elevation of test pit (1). This test pit had perched water at -4' with coarse clean sands (SP) at -5' to gravel, cobble, sand with silt (GP) to termination at -12'.

Test pit (4) was located in the lower swale at the east edge of the east lot at -11' from the elevation of test pit (1). Perched water was found at -5' with much cleaner silty sand (SP-SM) found at -4' to gravel, cobble, sand with silt (GP) to termination at 12'. This test pit is located in an area of flood influence with the silts being washed from river overflows.

Test pit (5) located at the south, northwest of the barn in the east lot at approximately -11' from test pit (1) elevation. Perched water was found at -4' with silty fine to coarse sand (SP) to the gravel, cobble, sand with silt (GP) to termination at -13'.

Test pit (6) located at the south east of the east lot at approximately -10' for test pit (1) elevation. Perched water was found at -4' with silty fine to coarse sandy silt (SP) to gravel, cobble, sand with silt (GP) at -7' to termination at -13'.

Report continued on report #021018TB-2, dated February 10, 2018.

INSPECTOR: Tim Barney, ICC Geotechnical Inspector REVIEWED BY: Michael Staten, PE

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FIELD REPORT

Report # 021018TB-2

DATE: February 10, 2018
PROJECT: Hamilton Excavating QC
LOCATION: Vader Hwy 506 Pit
PROJECT # 180008
PERMIT # _____

CUSTOMER: Hamilton Excavating
ATTENTION: Buck Harris
ADDRESS: PO Box 1611
Battle Ground, WA
98604

Time: 8:00-3:00

Temp: 52°

Weather: CLR

Inspection Type: Test Pit Sampling

Report continued from report #021018TB-1, dated February 10, 2018.

Test pit (7) located at the east center in the swale, west of test pit (4) on the east lot, at approximately -9' from test pit (1). Perched water was found at -4' with silty, fine to coarse sand (SP) to gravel, cobble, sand (GP) to termination at -12'.

All test pits are relatively consistent with varying amounts of silty sands (SP) over glacial gravels, cobble, and sand (GP).

The first (3) test pits have old fills that have been placed with an old gravel road base in test pit (3) and sticks and root base at lower elevations in test pit (2).

All glacial gravel, cobble, and sand appears to be sound and durable.

Samples were taken at various depths in several of the test pits for laboratory determination of the sand and aggregate quality.

Cobble in test pit observation was found to be up to 8" diameter with the percentages of cobble ranging from 2% to 15%. Gravels were in the range on average of 15% with diameters of 2" to 1/2".

Sands logged in the test pits range from 10% in the old fills to 90% in the coarser out washed sections.

I informed clients Matt and Buck that due to the in-situ moisture contents of the samples, laboratory sample preparation would take several days and informational data from the lab would be available in about a week.

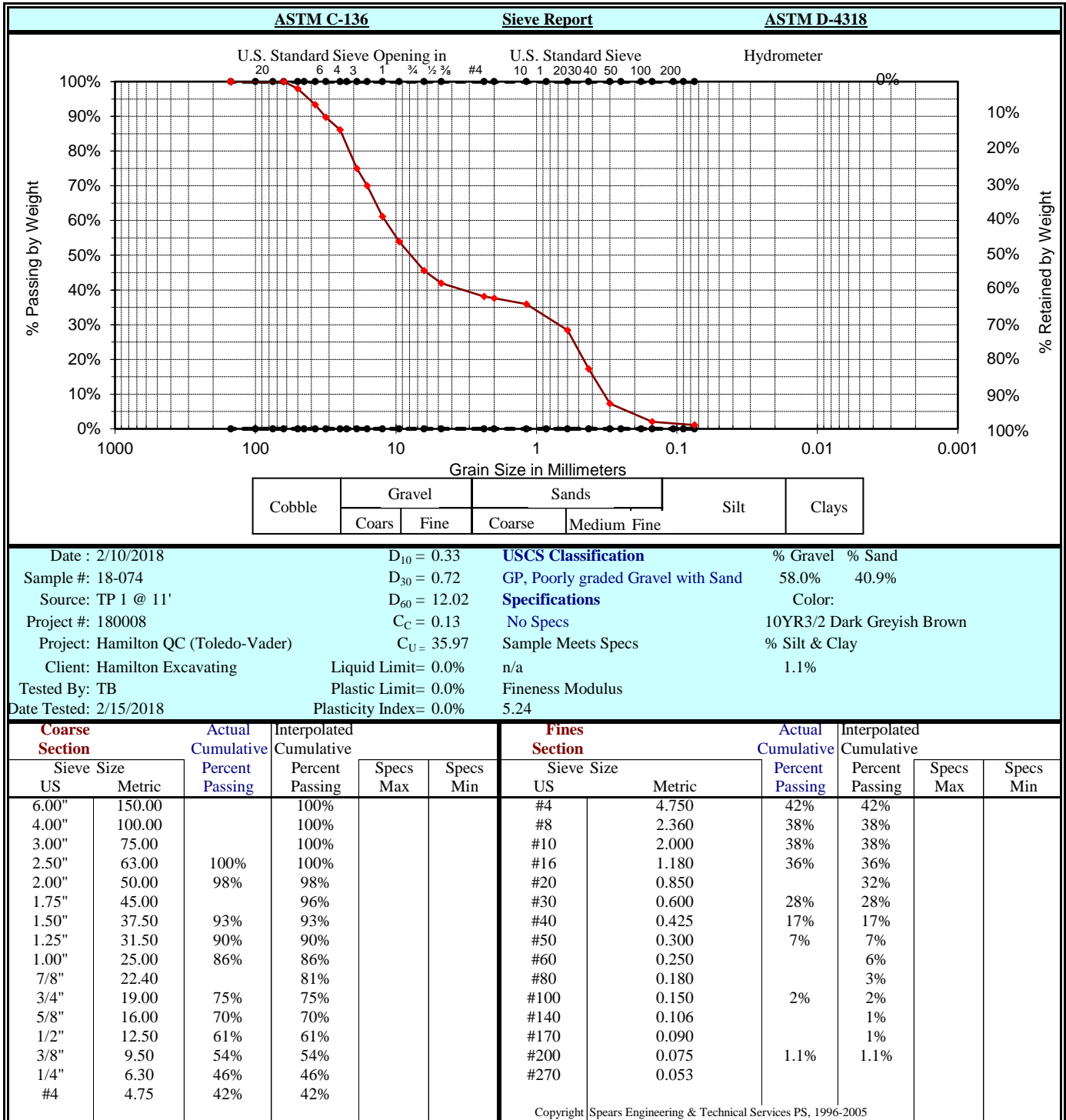
INSPECTOR: Tim Barney, ICC Geotechnical Inspector

REVIEWED BY: Michael Staten, PE

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Comments: Moisture content - 3%

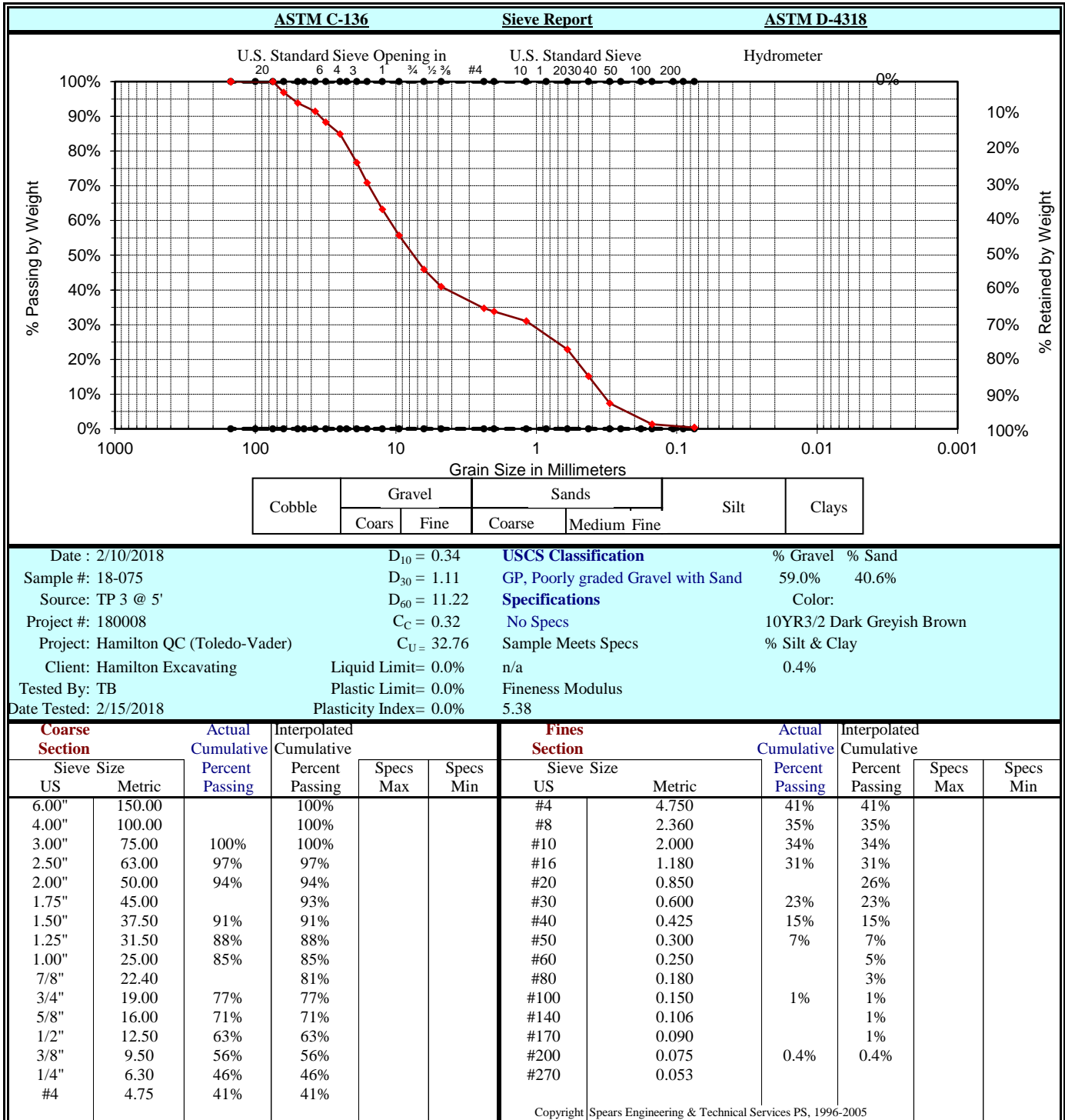
Reviewed by: Tim Barney

All results apply only to actual locations and materials tested. As a mutual protection to clients, the public and ourselves, all reports are submitted as the confidential property of clients, and authorization for publication of statements, conclusions or extracts from or regarding our reports is reserved pending our written approval.

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Comments: Moisture content - 2.4%

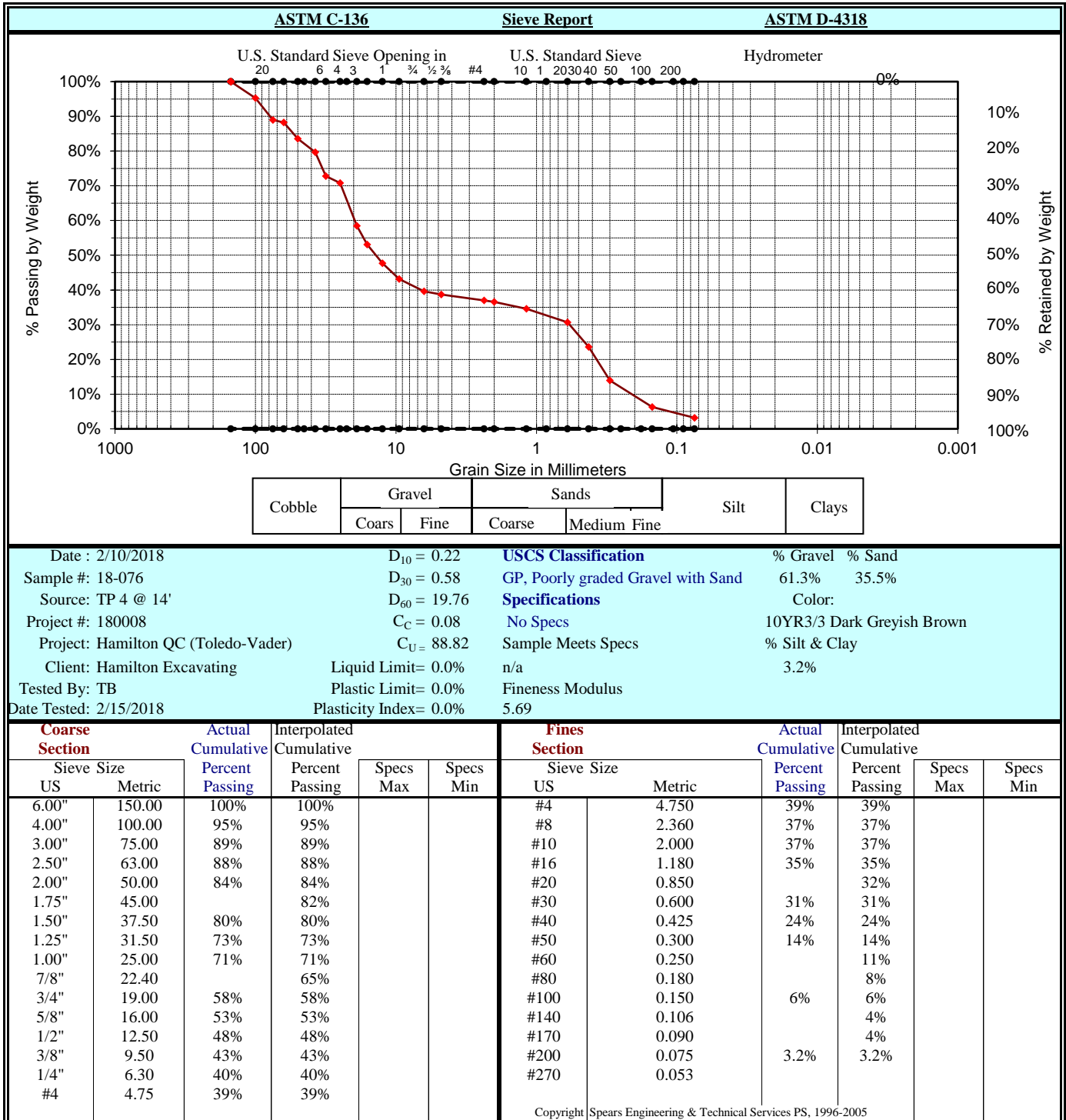
Reviewed by: Tim Barney

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Comments: Moisture content - 4.3%

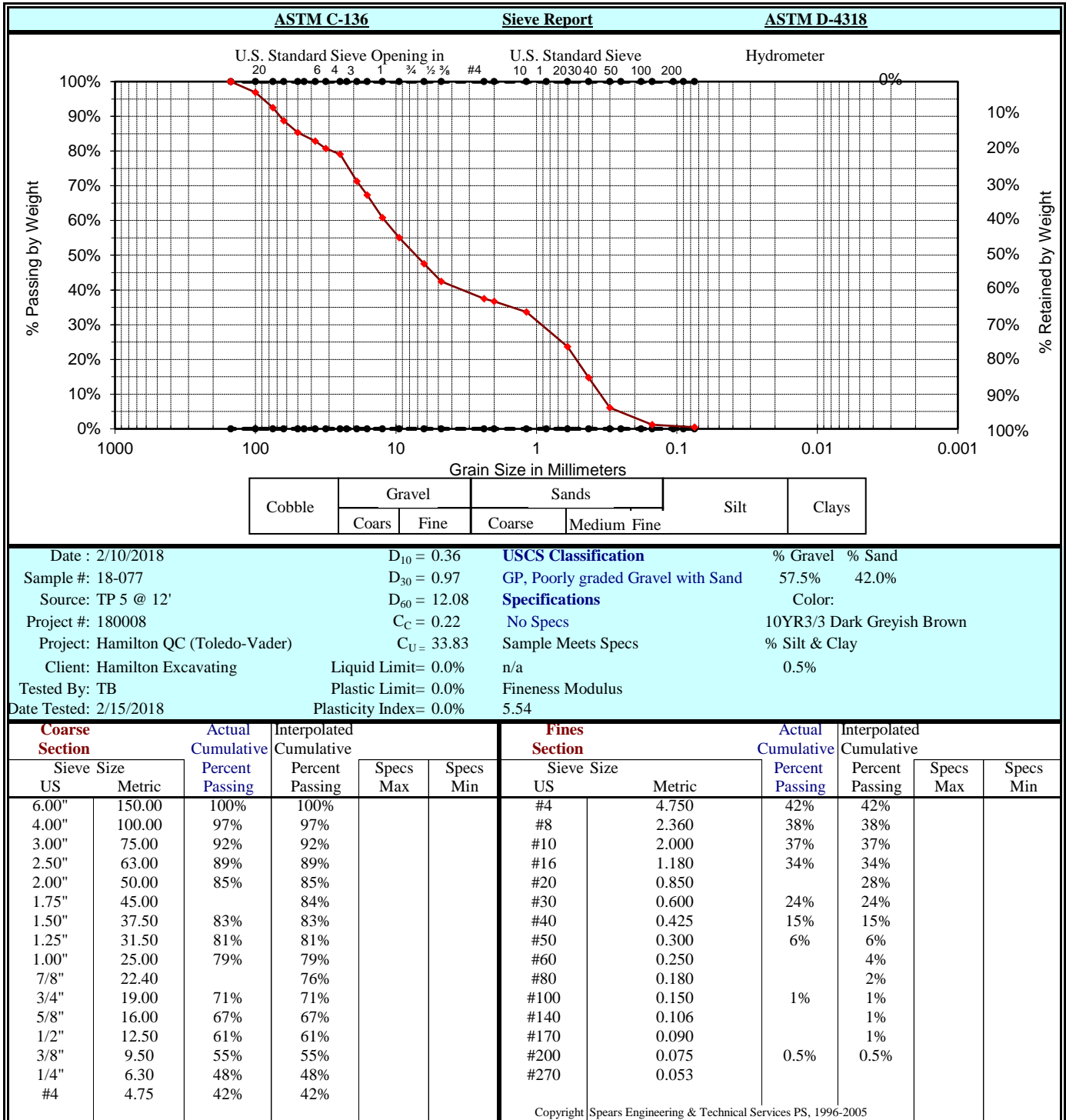
Reviewed by: Tim Barney

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Comments: Moisture content - 2.5%

Reviewed by: Tim Barney

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