SUMMIT ENGINEERING CORPORATION™

December 2, 2021
REVISED October 26, 2023

Mr. Farrokh Yazdi
fyazdi@sbcglobal.net

RE: Results of Pavement reconnaissance and recommendations for alleyway between Whitaker and Tedford Lanes, Sierra Manor Townhomes, Fallon, Nevada

Dear Mr. Yazdi:

Summit Engineering is pleased to present the following results of pavement reconnaissance and subsequent recommendations for the alleyway repaving between Whitaker and Tedford Lanes, north of the Sierra Manor Townhomes, in Fallon, Nevada.

On November 11, 2021, Summit personnel cored into existing asphalt at 5 locations along the length of the above mentioned alleyway using a portable core drill and 3" diamond core bit. Thicknesses of each AC core was recorded, and underlying base section was excavated to determine thickness. Cores were then filled with non-shrink construction grout. No sample recovery, laboratory testing, or traffic analysis was performed, only the thickness of the structural section recorded. Throughout the length of the alleyway, pavement thicknesses were observed between 1.5 to 4", underlying base thickness were observed to be 6 to 7.5".

Summit Engineering is recommending the following –

Due to the highly degenerated condition, the immediate roughly 190' of existing asphalt immediately east of Whitaker Lane should be removed and replaced (indicated in red on page 2). Underlying base may remain, but should be scarified and recompacted to 95% max dry density based on an ASTM 1557 Modified Proctor. The adjacent 'middle' roughly 170' of alley should receive a 2" grind and overlay (indicated as yellow on page 2). The remaining roughly 400 LF of alley, west of Tedford Lane, is newer asphalt with little to no signs of deterioration, may remain in place, with only crack sealing performed, notably 3 expansion cracks running the full width of the alley. A roughly 400sf area where previous sawcut and utility work had been performed and alley has settled, roughly 80' west of the east end of the alley, should receive asphalt removal and replacement, following recommendations above (red section at east end, page 2). The entire length of the alley should receive surface sealing after all remediation work has been completed.

The depth of existing base was found to be at minimum 6" throughout the length of the alleyway, at this time Summit IS NOT recommending a full depth replacement. However, during the preparation of the west end, there may be small, isolated areas of base that may need to replaced due to the highly deteriorated nature of the existing asphalt in this area, at discretion of the contractor.

5405 Mae Anne Avenue • Reno, Nevada 89523 • (775) 747-8550 FAX (775) 747-8559
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www.summitnv.com

Should you have any questions or concerns, or need further clarification, please feel free to contact me directly at 775.787.4336.

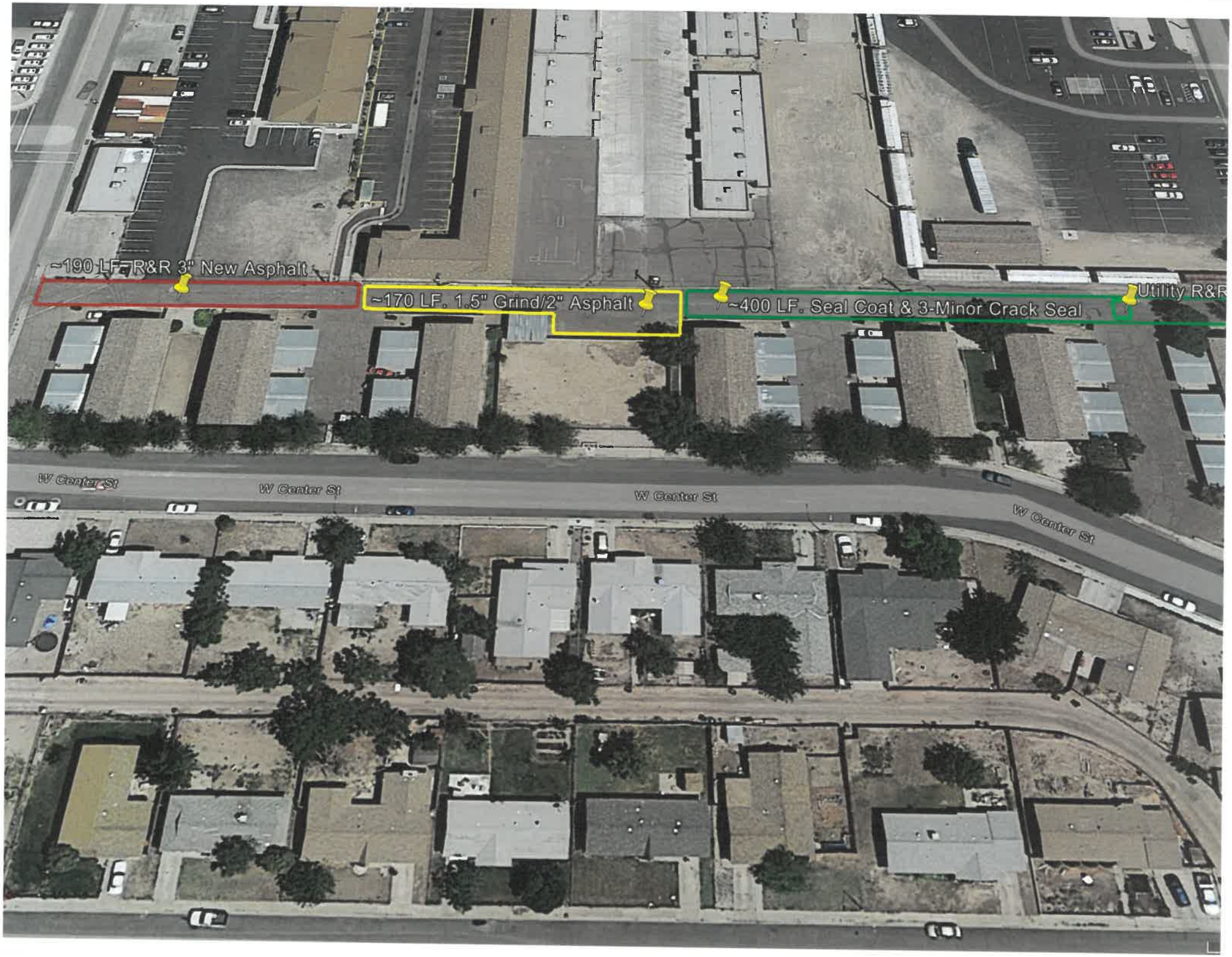
Sincerely,

SUMMIT ENGINEERING CORPORATION

Joseph R. Pursel, P.E.
Geotechnical Division Manager

CC: Mr. Edward Lord, edlord@networkrealty.net

Attachements


~190 LF. R&R 3" New Asphalt
~170 LF. 1.5" Grind/2" Asphalt
~400 LF. Seal Coat & 3-Minor Crack Seal
Utility R&R
W Center St
W Center St
W Center St
W Center St

SITE/VICINITY MAP FOR SIERRA MANOR TOWNHOMES FALLON, NV	JOB NO.: 31200 APPR BY: JRP DRAWN BY: JRP Copyright SUMMIT ENG 2023	SUMMIT ENGINEERING CORPORATION 5405 MAE ANNE AVE. RENO, NV. 89523	SHEET 1 OF 7

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RECOMENDATIONS MAP FOR
SIERRA MANOR TOWNHOMES
FALLON, NV

JOB NO.: 31200
APPR BY: JRP
DRAWN BY: JRP

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SHEET 2
OF 7

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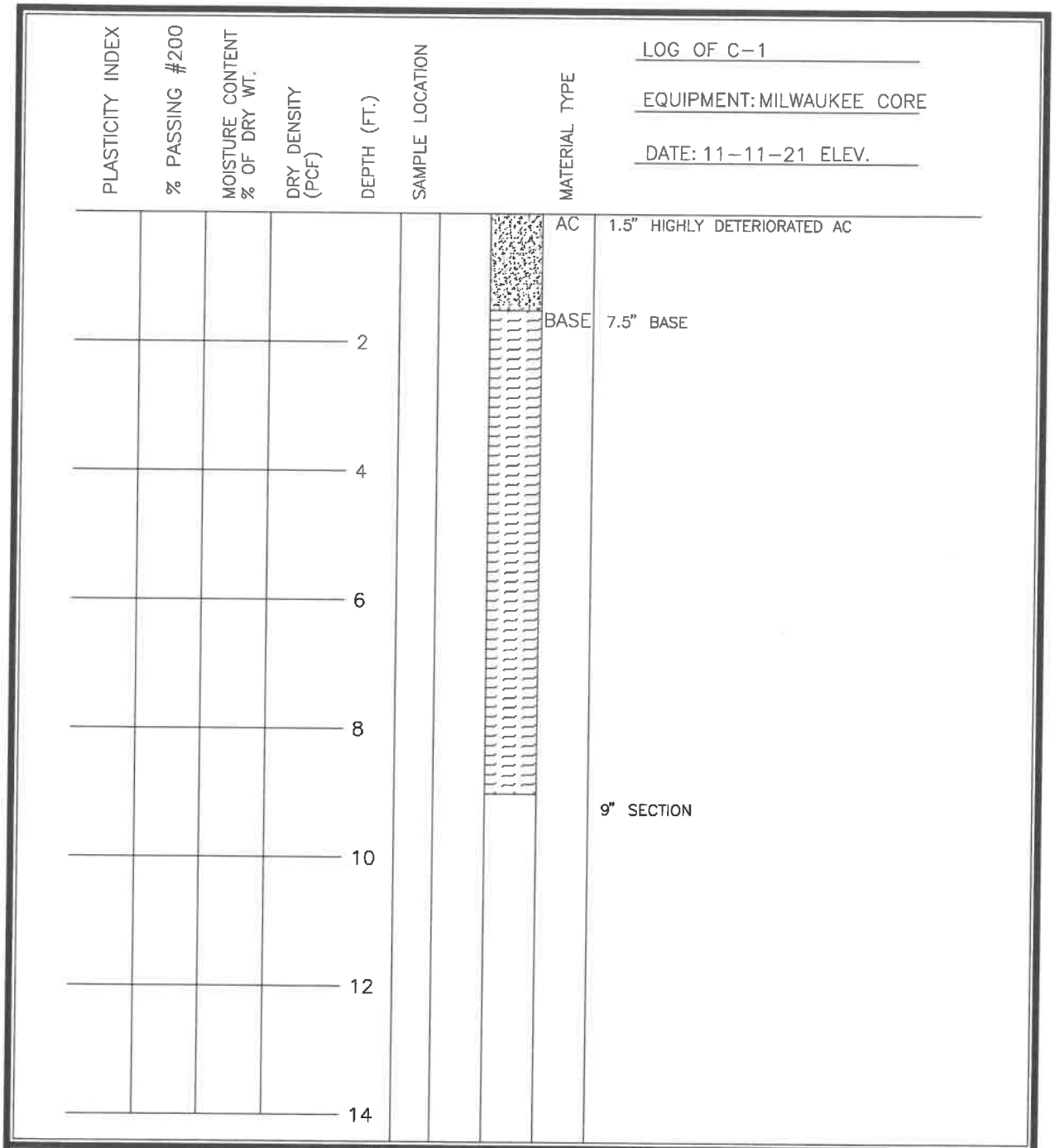

CORE LOG

SIERRA MANOR TOWNHOMES

CORE 1

JOB #: 31200
DRAWN BY: JRP
CHECKED BY: JRP

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SHEET 3 OF 7

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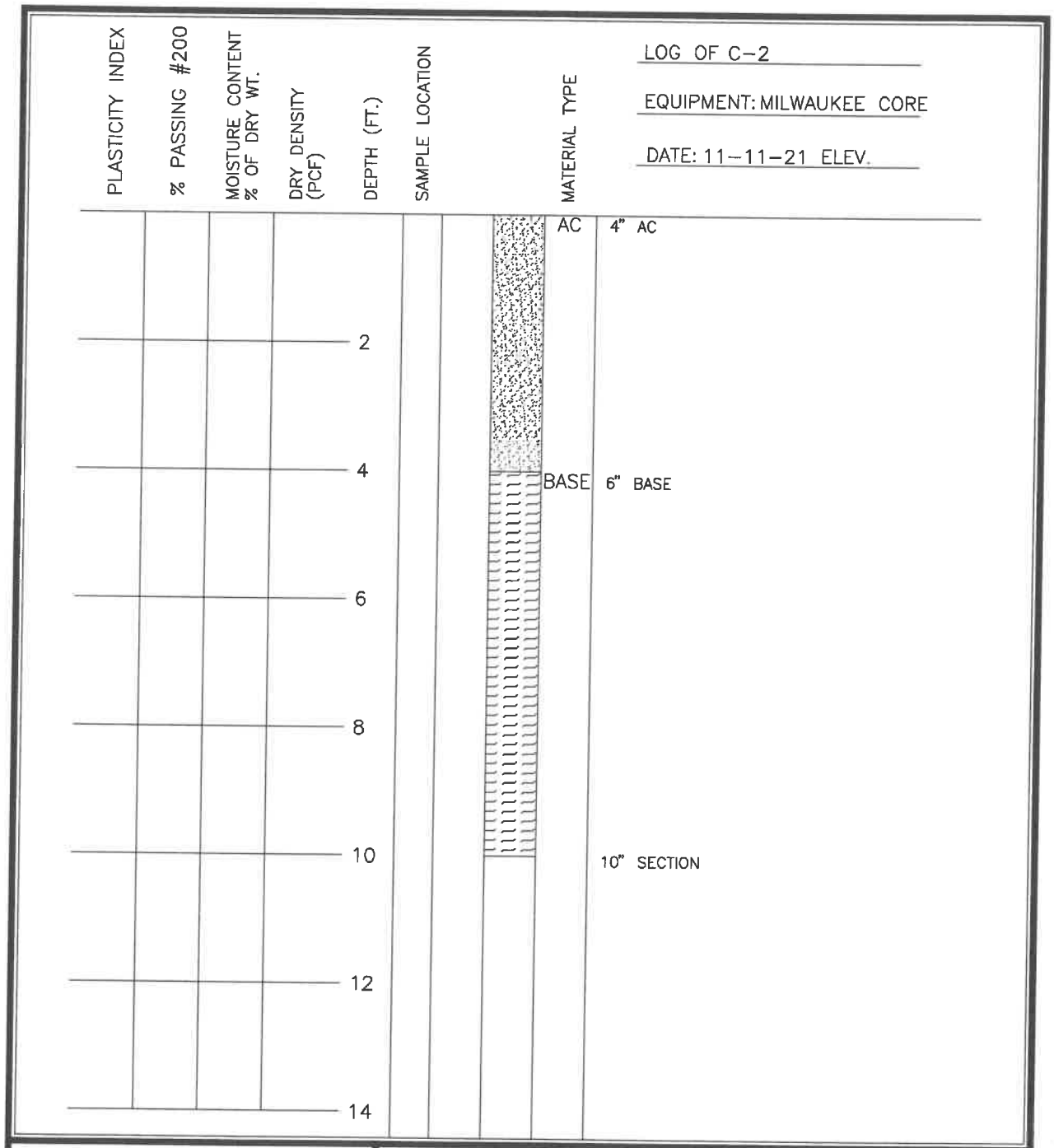

CORE LOG SIERRA MANOR TOWNHOMES CORE 2	JOB #: 31200 DRAWN BY: JRP CHECKED BY: JRP Copyright SUMMIT ENG 2023	SUMMIT ENGINEERING CORPORATION 5405 MAE ANNE AVE. RENO, NV. 89523

SHEET 4 OF 7

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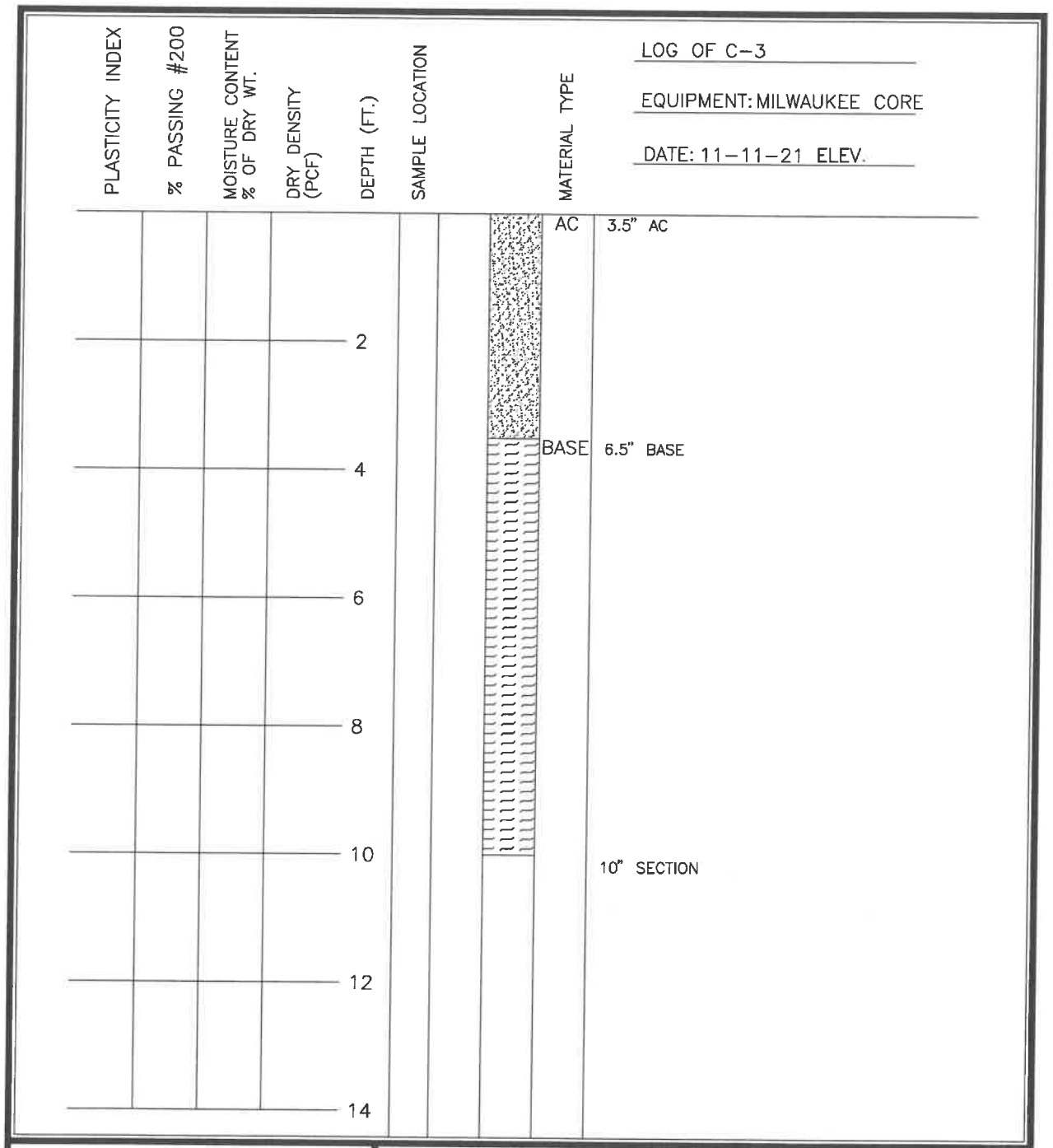

CORE LOG

SIERRA MANOR TOWNHOMES

CORE 3

JOB #: 31200
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SHEET 5 OF 7

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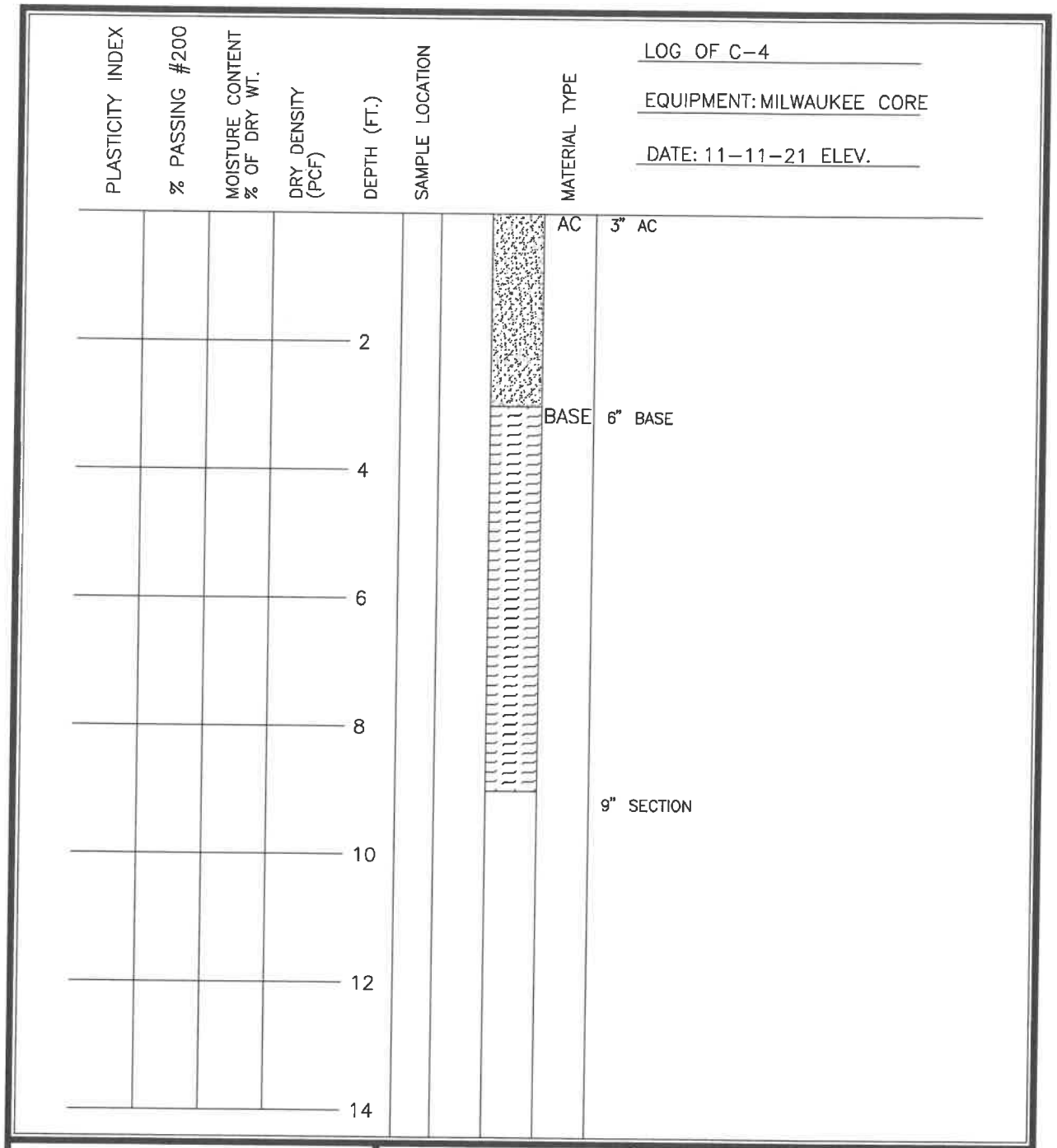

CORE LOG SIERRA MANOR TOWNHOMES CORE 4	JOB #: 31200 DRAWN BY: JRP CHECKED BY: JRP Copyright SUMMIT ENG 2023	SUMMIT ENGINEERING CORPORATION 5405 MAE ANNE AVE. RENO, NV. 89523

SHEET 6 OF 7

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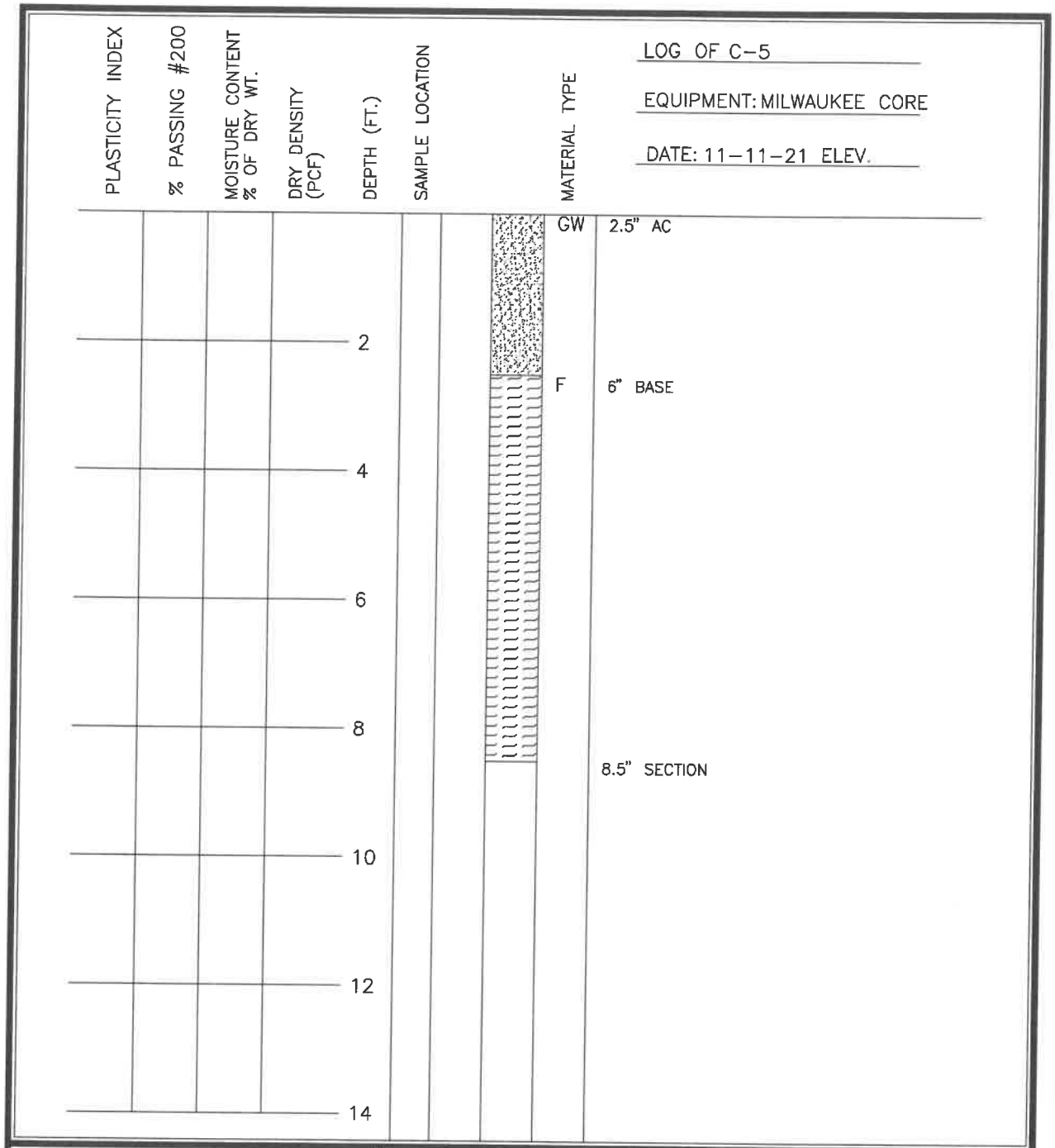

CORE LOG
SIERRA MANOR TOWNHOMES
CORE 5

JOB #: 31200
DRAWN BY: JRP
CHECKED BY: JRP

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SHEET 7
OF 7

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