

CONTROL VERIFICATION AND ESTABLISHMENT SUMMARY

CONTACT INFORMATION

SURVEYOR	DATE WORK PERFORMED	CONTACT INFO
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CONTROL TYPE

SELECT THE TYPE OF CONTROL BEING PROVIDED IN THIS SUBMITTAL	
<input type="checkbox"/> Project Control	<input type="checkbox"/> AMG Control

HORIZONTAL PROJECT CONTROL

SUMMARIZE THE METHODS USED, INCLUDING INSTRUMENTATION TO VERIFY AND/OR ESTABLISH HORIZONTAL PROJECT CONTROL AND PROVIDE A GENERAL DESCRIPTION OF THE MONUMENTATION.

All project control was found prior to the start of the project. However while verifying the location of the control it appeared that CP102, CP109, and CP117 had been disturbed. New horizontal values have been established for these points and are included in the attached files. The location of the control was verified and established by setting a GPS base station on CP58316 and CP58325. Both control points are primary control points for the project. All remaining control points were then measured with a 10 sec. observation from each base setup and an averaged position was calculated. All horizontal coordinates matched the plan coordinates within 0.01' except the points listed above. This same method was used to establish new control points necessary for the stringless paving operations for the project, CP200 – CP227. All new control points established for the project consist of a 1/2" X 18" long rebar with a "traverse point" cap. See attached files for control values.

VERTICAL PROJECT CONTROL

SUMMARIZE THE METHODS USED, INCLUDING INSTRUMENTATION TO VERIFY AND/OR ESTABLISH HORIZONTAL PROJECT CONTROL AND PROVIDE A GENERAL DESCRIPTION OF THE MONUMENTATION.

All project vertical control was found prior to the start of the project. Additional vertical control points BM400 – BM432 were established to densify the control for construction. A level loop was run through all existing and new project control using a Leica Digital level to verify and establish new values. The error of closure of the level loop was 0.008'. All existing control values matched the plan values except for CP102, CP109, and CP117. New values were assigned to these points which can be found in the attached files.

ATTACHMENTS

- PROVIDE ALL VERIFIED AND/OR ESTABLISHED PROJECT CONTROL VALUES IN A COMMA DELIMITED FORMAT

NOTE: This work must be completed by Department staff or a Consultant prequalified in Construction Staking. Horizontal and Vertical control must be verified and/or established in accordance with the Department's current Design Survey Standards of Practice.