



October 20, 2015

Mr. Stephen Grollman, PE, VP (via e-mail)
Larkin Group NM Inc.
4436 Corrales Road
Corrales, New Mexico 87048

Subject: ISA Determination for W. Meadowlark Lane Improvements in the Village of Corrales, New Mexico; Control Number L300147

Dear Mr. Grollman,

Our office received your ISA Determination letter for the project referenced above on October 16, 2015. In accordance with the direction in the 2014 Tribal/Local Public Agency Handbook, the Environmental Geology Section (EGS) has reviewed your letter to verify that it meets the NMDOT's reporting requirements and industry-accepted standards for all appropriate inquiry (AAI). Our review should not be viewed as comprehensive; rather it consists only of our assessment that sufficient information was sought upon which to reasonably base a determination that a full ISA is unwarranted and that the path forward through construction is charted. The EGS assumes that your project scope is described in full and that your supporting documentation is complete and accurate.

You describe the project as road and drainage improvements that include calming islands, speed tables/raised crosswalks, and a paved path and equestrian trail in the shoulder areas. On the east and west ends of the corridor, where drainage facilities will be installed, the depth of soil disturbance is expected to be approximately four feet. The depth of soil disturbance for the other improvements is not expected to exceed 18 inches.

You conclude that an ISA does not appear necessary based on your project description, which includes no additional right of way and is in a residential area. For these reasons, your ISA determination for L300147 is **accepted** by the EGS.

If you have questions regarding the content of this letter or have comments, do not hesitate to call me at 505-827-1078.

Sincerely,

A handwritten signature in black ink that reads "Monica Stefanoff".

Monica Stefanoff, Geoscientist
Environmental Geology Section

CC (via e-mail): Jill Mosher, P.E., D-3 (State) T/LPA Coordinator
Rick Wessel, Environmental Development Section
EGS Project File (TLPA, D-1, CN L300147)

Susana Martinez
Governor

Tom Church
Cabinet Secretary

Commissioners

Dr. Kenneth White
Secretary
District 1

David Sepich
Commissioner
District 2

Keith Mortensen
Commissioner
District 3

Ronald Schmeits
Chairman
District 4

Butch Mathews
Vice Chairman
District 5

Jackson Gibson
Commissioner
District 6



October 19, 2015

Ms. Audrey Moore, Environmental Section Manager
& Ms. Monica Stefanoff
PO Box 1149
Santa Fe NM 87504

P.O. Box 3360
4436 Corrales Road
Corrales, New Mexico 87048
Phone: 505-897-4799
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E-mail: sscrollman@larkinm.com

Re: Village of Corrales/ISA Determination/MAP-7601(914)/Control # L300147/Contract # D14895

W. Meadowlark Lane Project Outline

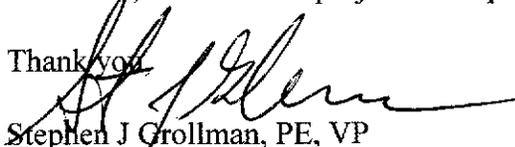
All project improvements are proposed within an existing Right-of-Way to control the run-off currently flowing in the inverted crown and flooding the downhill intersection. The improvements include the diversion of substantial off-site flows into a large Southern Sandoval County Arroyo Flood Control Authority (SSCAFCA) pond located in the City Of Rio Rancho, just over the Village Boundary line. Ancillary improvements are various traffic calming features to reduce vehicle speeds and increase safety, as well as paved paths/equestrian trail in the shoulder areas where various utilities exist. Run-off on the north side of the R-O-W flows into an existing Village pond at Paseo de Corrales, and run-off on the south side of the R-O-W and the roadway itself will be directed into an existing Village pond at Ruffles Lane, south of Meadowlark. Pipe sizes, estimated at 18" diameter, will be finalized subsequent to an approved diversion to the SSSCAFCA pond:

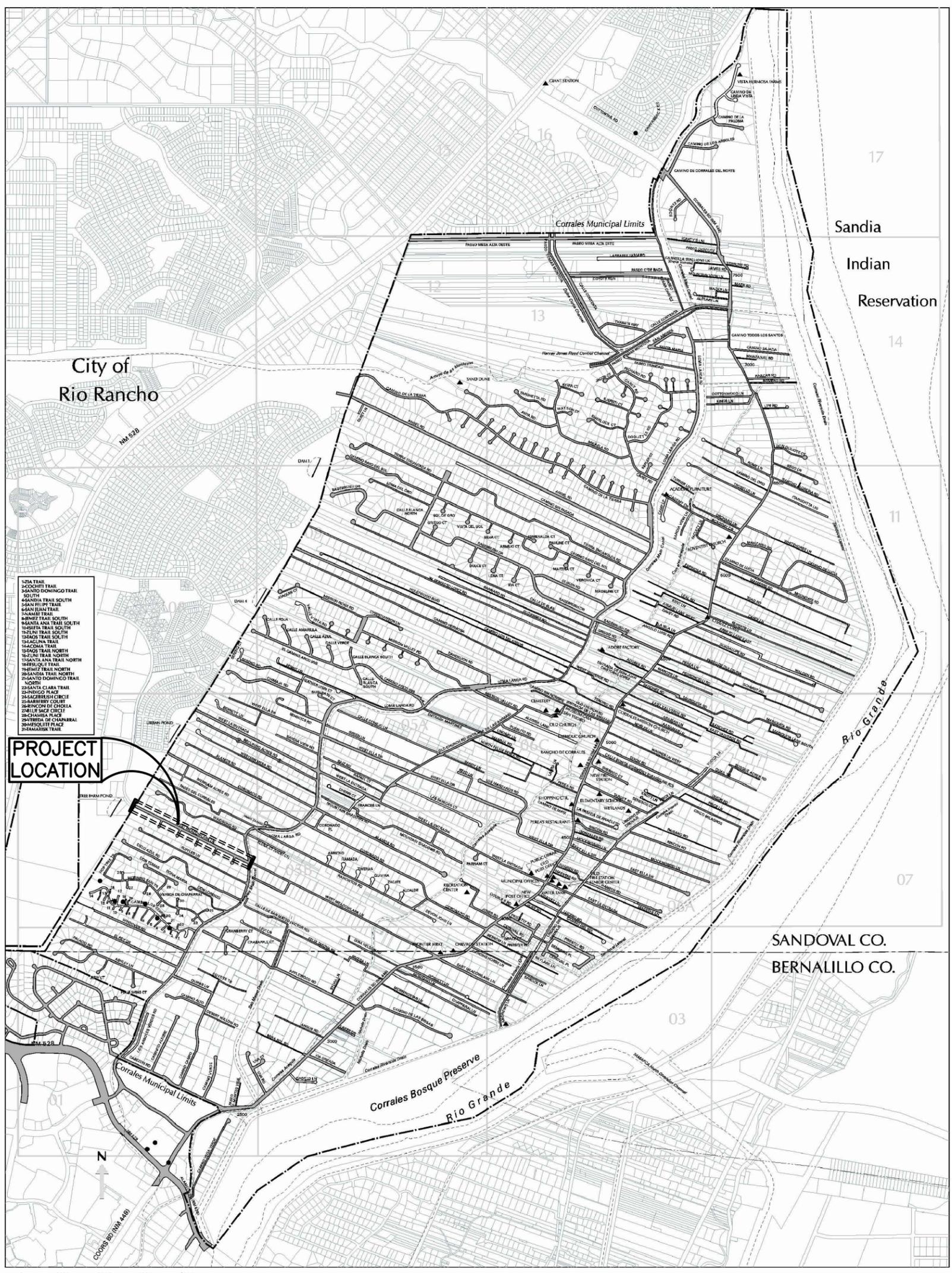
The existing condition is a 3200 foot long road, fronting more than 40 homes, with a varying width of asphalt between 22 and 24 feet. There are 9 irregular and unevenly spaced speed tables on the roadway to reduce vehicle speeds. The roadway has a center invert that collects run-off from the entire 60 foot Right-of-Way and carries it to the bottom of the hill, where roadway flooding often occurs and Loma Larga may be overtopped. No property or easement acquisition is required or proposed.

The proposed improvements will create a uniform 22 foot wide asphalt surface, with a 20 year cross section design, as shown on the detail. Drainage from the asphalt roadway will be collected in the center invert and conveyed downhill where it can be directed into a Village owned pond south of Meadowlark. Culverts will carry the run-off from the center island under the roadway to discharge in swales along Loma Larga. 4 or 5 traffic calming "Islands" will be constructed in the roadway, as well as 2 full length speed tables/raised crosswalks, and one additional mid-block off-set speed table, also installed to reduce excessive vehicle speed. The speed tables will also provide for safe pedestrian x-walks near both the east and west ends of the roadway. The drainage facilities are proposed at the west and east ends of the project. At the west end, a drainline is to be installed crossing the Right-of-Way from north to south, requiring an excavation of approximately 80 feet long X 4 feet wide X 4 feet deep. At the east end, a drainline is proposed to carry storm run-off from the roadway center invert to the bar-ditch along the west side of Loma Larga, requiring an excavation of approximately 200 feet long X 3 feet wide X 4 feet deep. The remaining 3000' of the roadway, including the shoulder areas, will be disturbed to a depth of less than 18" to create a solid sub-grade for swales/paths.

Therefore, based on the project description, we believe that a full ISA is not required.

Thank you


Stephen J. Grollman, PE, VP
Larkin Group NM Inc



0 1000 2000 3000 4000
Scale in Feet

● Fire Hydrant



This map was developed with assistance from the Village of Corrales Planning Department, Fire Department, Police Department and Public Works Department. Feature locations are approximate. MRGCOG and the Village of Corrales are not responsible for map errors or omissions.

Village of Corrales

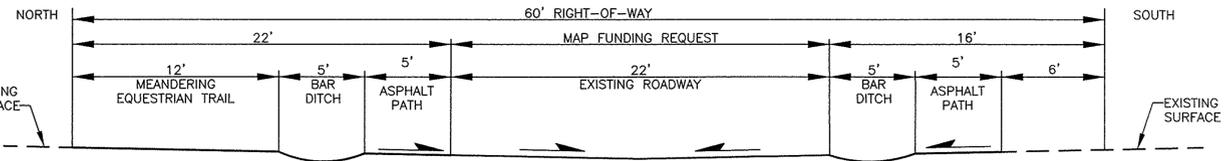
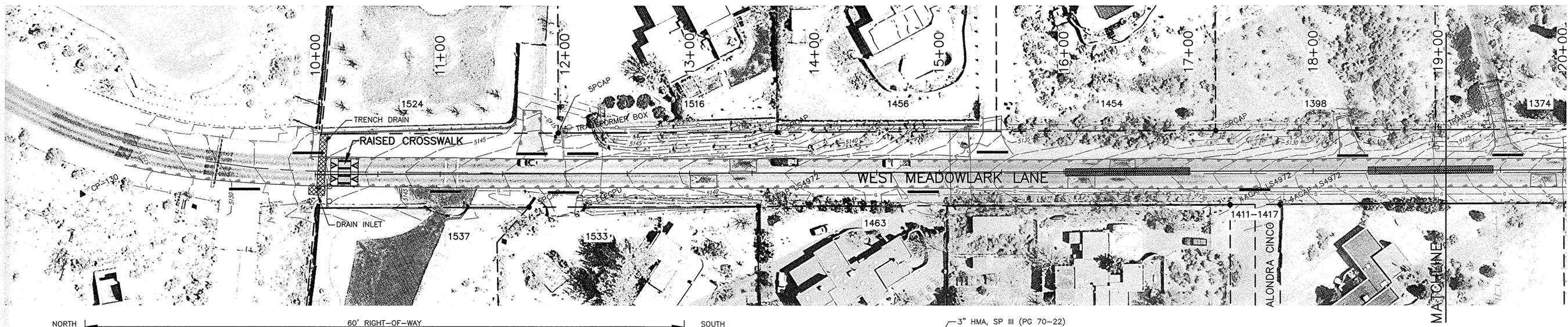
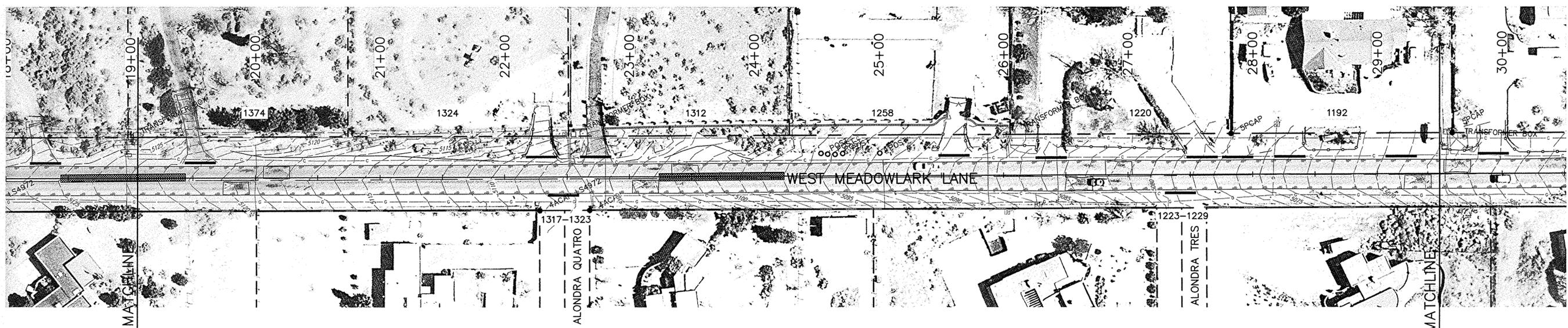
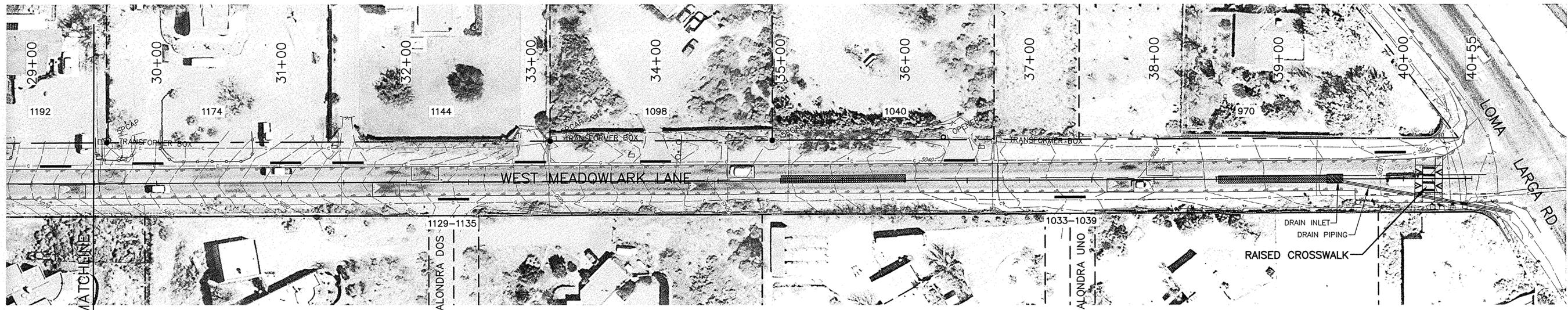
Bernalillo Co. and Sandoval Co., N.M.

Private roads within the Village limits are shown with no gray shading.

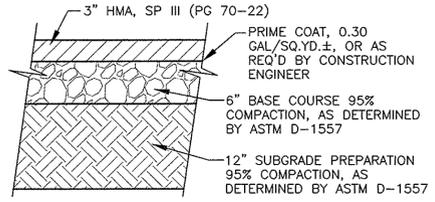


SCALE: 1"=1/2 MI.±

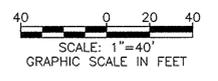
TITLE: MEADOWLARK LANE			
VICINITY MAP			
Project No. 13-0006-542	Scale 1"=1/2 MI.	Date 10/07/15	Sheet 1 OF 1



MEADOWLARK LANE LOOKING EAST (DOWNHILL)
 TYPICAL ROADWAY SECTION
 SCALE: 1"=5'



3" PAVEMENT SECTION
 SCALE: 1"=1'-0"



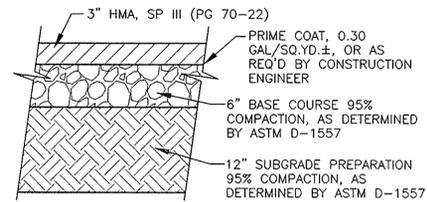
NO.	DATE	REVISIONS	BY
4			
3			
2			
1			

DESIGNED BY: SJG DATE: FEB. 18, 2015
 DRAWN BY: CAI DATE: FEB. 18, 2015
 CHECKED BY: SJG DATE: FEB. 18, 2015

VILLAGE OF CORRALES
 WEST MEADOWLARK LANE
 ROADWAY IMPROVEMENTS

MARCH 4, 2015

LARKIN GROUP NM, INC.
 CONSULTING ENGINEERS AND SURVEYORS
 8500 MENAUL BLVD., NE SUITE A-440
 ALBUQUERQUE, NEW MEXICO 87111
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 CORRALES OFFICE:
 4436 CORRALES RD. CORRALES, NM 87048
 (505) 897-4799
 www.larkinm.com ENGINEER'S FILE #2013-0015-542



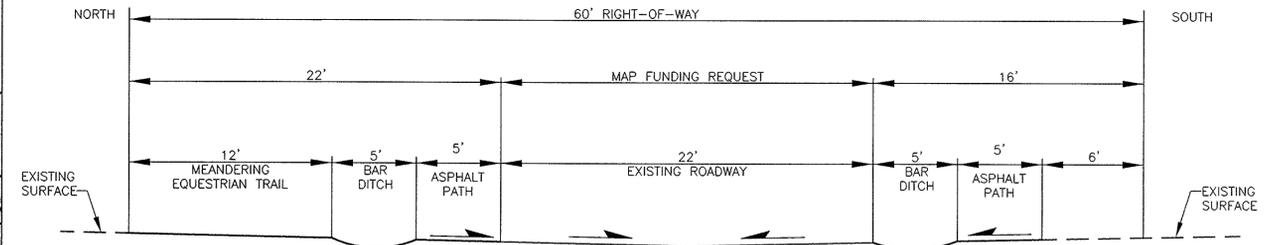
3" PAVEMENT SECTION
SCALE: 1"=1'-0"

LEGEND

- DRAINAGE BASIN BOUNDARY
- ① DRAINAGE BASIN DESIGNATION

AREA ACREAGE

- AREA 1 = 20.9 ACRES
- AREA 2 = 9.3 ACRES
- AREA 3 = 10.4 ACRES
- AREA 4 = 1.3 ACRES
- AREA X = 6.4 ACRES



**MEADOWLARK LANE
LOOKING EAST (DOWNHILL)
TYPICAL ROADWAY SECTION**
SCALE: 1"=5'

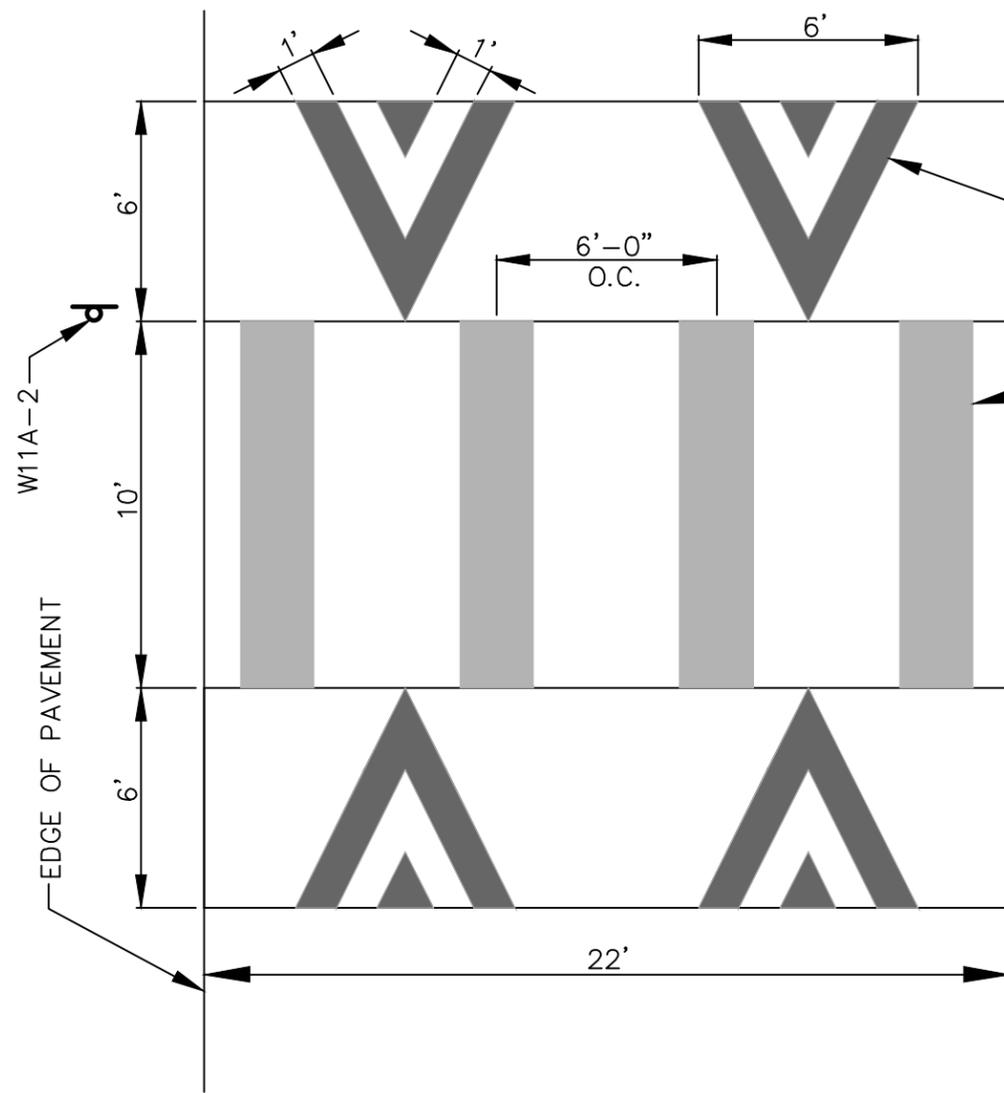
VILLAGE OF CORRALES
MEADOWLARK LANE IMPROVEMENTS
DRAINAGE MAP

ALBUQUERQUE OFFICE:
8500 MENAUL BLVD.
SUITE A-440
ALBUQUERQUE, NM 87112
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CORRALES OFFICE:
4438 CORRALES RD.
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2013-0015-542
MARCH 4, 2015





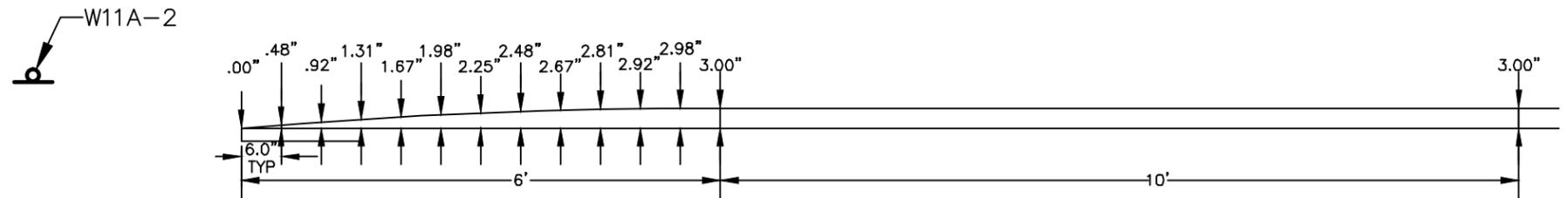
STANDARD SPEED TABLE
SCALE: 1"=5'

3M (380 SERIES)
INTERSECTION GRADE
60 MIL TAPE OR
APPROVED EQUAL

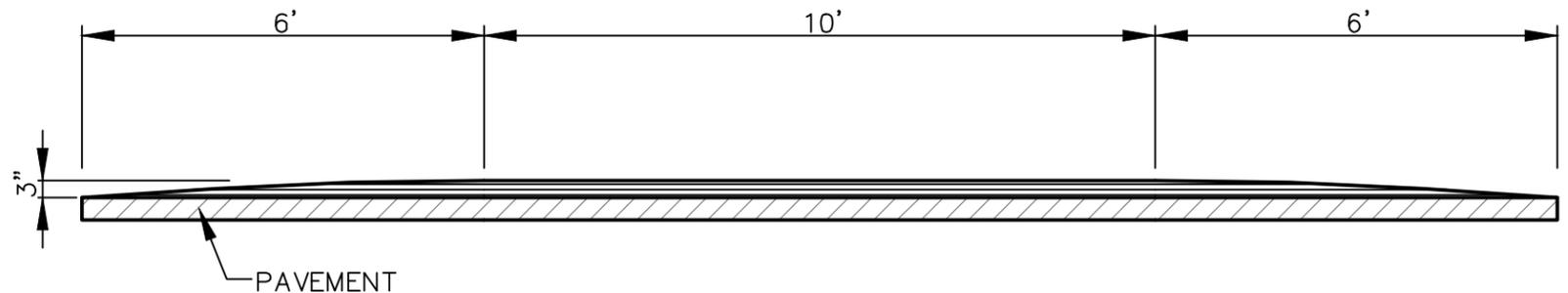
CONTINENTAL STYLE
CROSSWALK STRIPING,
24" WHITE STRIPE



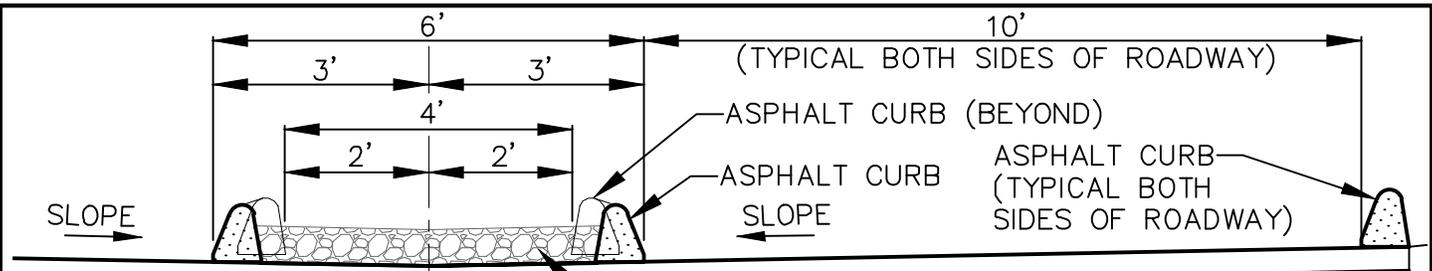
SIGN FACE DETAILS
NO SCALE



APPROACH DETAIL
SCALE: 1/2"=1'-0"

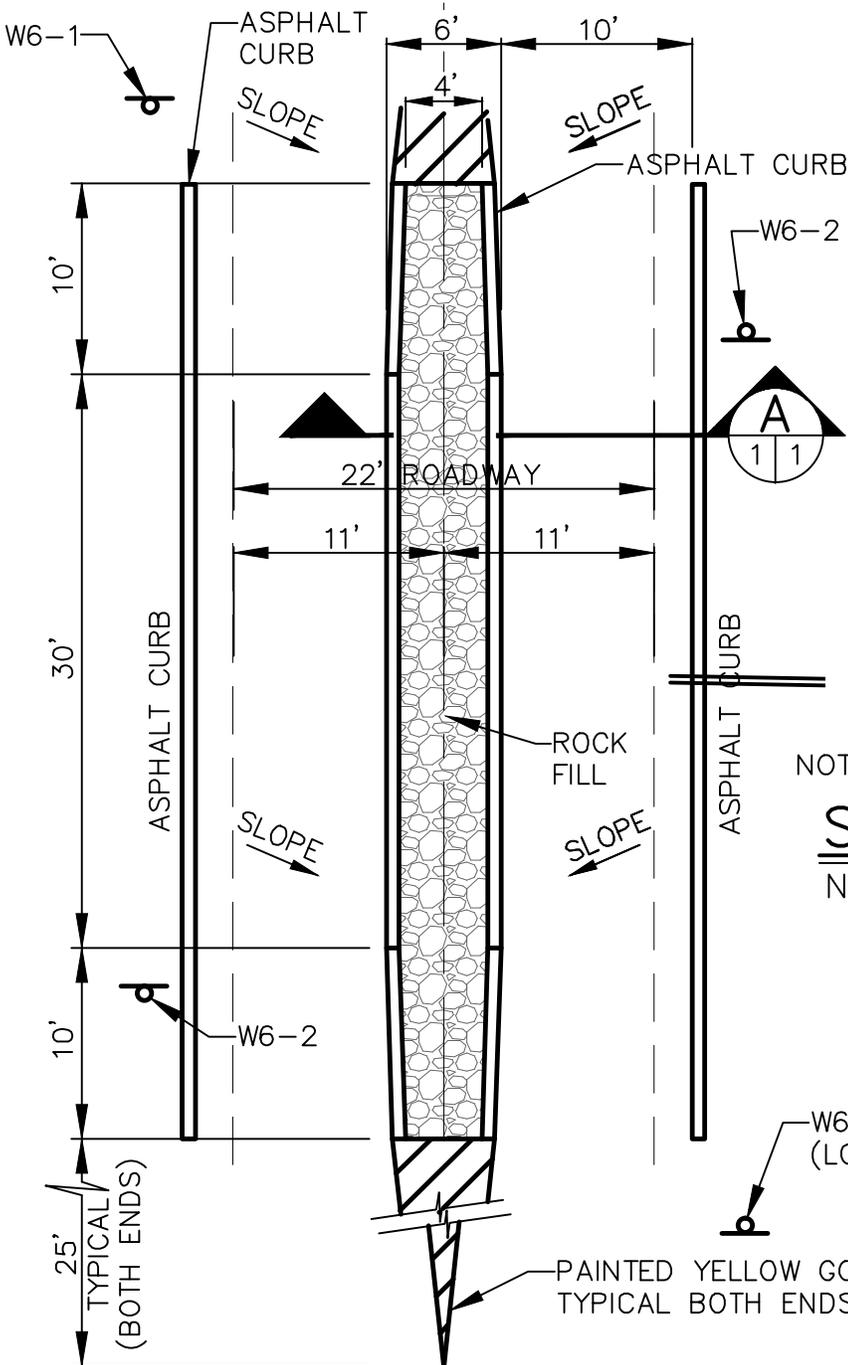


SPEED TABLE SECTION
SCALE: 3/8"=1'-0"



SECTION

SCALE: 3/8" = 1'-0"



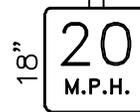
TYPICAL ISLAND

SCALE: 1" = 10'

DIVIDED HIGHWAY ENDS
W6-2



DIVIDED HIGHWAY
W6-1



18"
W13-1

NOTE: ALL SIGNS TO BE BLACK/YELLOW

SIGN FACE DETAILS

NO SCALE

W6-1
(LOCATIONS OF SIGNS NOT TO SCALE)



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(505) 275-7500 FAX (505) 275-0748
2013-0015-542, APRIL 28, 2015