

## Detterman, Mark, Env. Health

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**From:** Detterman, Mark, Env. Health  
**Sent:** Thursday, January 23, 2014 12:17 PM  
**To:** 'Rebekah Westrup'  
**Subject:** RE: Encroachment Permit 990 San Pablo Avenue, Albany, California

Hi Rebekah,

From what we can determine, we don't think there is much of a choice on the locations. Because you have been limited by the city, the locations will need to be satisfactory. I only ask that they be moved the minimum possible.

*Mark Detterman  
Senior Hazardous Materials Specialist, PG, CEG  
Alameda County Environmental Health  
1131 Harbor Bay Parkway  
Alameda, CA 94502  
Direct: 510.567.6876  
Fax: 510.337.9335  
Email: mark.detterman@acgov.org*

*PDF copies of case files can be downloaded at:*

*<http://www.acgov.org/aceh/lop/ust.htm>*

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**From:** Rebekah Westrup [mailto:rebekah.westrup@cardno.com]  
**Sent:** Thursday, January 23, 2014 5:43 AM  
**To:** Detterman, Mark, Env. Health  
**Subject:** RE: Encroachment Permit 990 San Pablo Avenue, Albany, California

Mark:

We understand that the borings we proposed were evenly spaced in order to collect data to determine the extent of soil and groundwater across Buchanan from the former Exxon station. However, the City does not want to block access drives for both police and fire station emergency vehicles along the south side of Buchanan Street.

Please understand, the new locations shown on the attached PDF were not recommendations made by us. The red lines and circles were the locations that the City of Albany has approved. The PDF was sent to me, by Ana Bernardes, an Engineer with the City. She is the one working on our encroachment permit, and she marked the locations shown as where we can put the borings.

We are aware that the Fire station is an active case and that they had borings near B11. Given that the City has designated this a "clear zone" they probably had to drill there, for the same reason.

Again, the City of Albany has requested that the borings for RO2974, in the City right-of-way be moved to the locations shown in the attached PDF. Given this situation we either need confirmation that the changes requested by the City of Albany are acceptable with you and your department, or recommendations regarding how you would like us to proceed. Please feel free to mark the PDF with alternative locations and I will see if the City will let us do the work.

**Rebekah A. Westrup**

SR STAFF GEOLOGIST  
CARDNO ERI

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Address 601 North McDowell Blvd., Petaluma, CA 94954-2312 USA  
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**From:** Detterman, Mark, Env. Health [<mailto:Mark.Detterman@acgov.org>]  
**Sent:** Wednesday, January 22, 2014 4:57 PM  
**To:** Rebekah Westrup  
**Cc:** Roe, Dilan, Env. Health  
**Subject:** RE: Encroachment Permit 990 San Pablo Avenue, Albany, California

Rebekah,

From what I can determine the original locations of the soil bores were evenly spaced in order to collect data to determine the extent of soil and groundwater across Buchanan from the former Exxon station. Also, from what I can determine, the City appears to have asked that the bores be moved out of the access drives for both police and fire station emergency vehicles along the south side of Buchanan Street.

First - Can you confirm this assumption is correct?

Second – If this is correct, can soil bores B14 and B15 be moved just outside the “Keep Clear” street markings than where you have them depicted (closer to the original proposed locations to minimize movement and keep bore spacing approximately the same), or have they been moved further on purpose?

Third – You should be aware that the fire station also has a former UST and investigation very close to the new location for B11; see RO297 for recent work plans and addendum maps (I’ve attached the addendum). You may want to evaluate the appropriateness of the location. Be aware, the bore location and data is older.

Keep me posted.  
Thanks,

*Mark Detterman*  
*Senior Hazardous Materials Specialist, PG, CEG*  
*Alameda County Environmental Health*  
*1131 Harbor Bay Parkway*  
*Alameda, CA 94502*  
*Direct: 510.567.6876*  
*Fax: 510.337.9335*  
*Email: [mark.detterman@acgov.org](mailto:mark.detterman@acgov.org)*

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**From:** Rebekah Westrup [<mailto:rebekah.westrup@cardno.com>]  
**Sent:** Wednesday, January 22, 2014 1:33 PM  
**To:** Detterman, Mark, Env. Health  
**Cc:** Roe, Dilan, Env. Health  
**Subject:** FW: Encroachment Permit 990 San Pablo Avenue, Albany, California

Mark:

The City of Albany has requested that the borings for RO2974, in the City right-of-way be moved as shown in the attached PDF. The proposed work and the locations of the proposed borings were approved following a meeting with Dilan and Barb, so we would like confirmation that the changes requested by the City of Albany are acceptable with you and your department.

**Rebekah A. Westrup**

SR STAFF GEOLOGIST  
CARDNO ERI

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Address 601 North McDowell Blvd., Petaluma, CA 94954-2312 USA  
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**From:** Ana Bernardes [<mailto:abernardes@albanyca.org>]  
**Sent:** Tuesday, January 21, 2014 11:31 AM  
**To:** Rebekah Westrup  
**Subject:** RE: Encroachment Permit 990 San Pablo Avenue, Albany, California

Hi Rebekah,

I am looking at the referenced encroachment permit and three of the proposed soil boring (B11,B14, and B15) will be affecting the operations of the Fire Department and Police Department due to its location right at the entrance of their driveways. I was wondering if there is a way to slightly relocate these borings to the proposed locations and away from their emergency exit as shown on the attached PDF. This would expedite the process and would not cause any problem to their operation.

Please let me know if this can be accomplished.

Thanks

**Ana Bernardes, PE**  
**Civil Engineer-Project Manager**  
**City of Albany-Public Works**  
**548 Cleveland Ave.**  
**Albany- CA 94710**  
**Ph: 510-524-3751**  
**Cell: 510-965-7200**  
**Fax: 510-558-3201**

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**From:** Rebekah Westrup [<mailto:rebekah.westrup@cardno.com>]  
**Sent:** Friday, January 17, 2014 9:09 AM  
**To:** Ana Bernardes  
**Subject:** Encroachment Permit 990 San Pablo Avenue, Albany, California

Ms. Bernardes:

I am just following up on our Encroachment Permit application for work in the City right-of-way at 990 San Pablo Avenue. We submitted it on December 11, 2013. Alameda County and the property owners at 990 Albany Avenue are eager for us to begin the drilling associated with this permit. Can you let me know the status of the permit and when it might be approved?

Thank you,

Rebekah A. Westrup

SR STAFF GEOLOGIST

CARDNO ERI

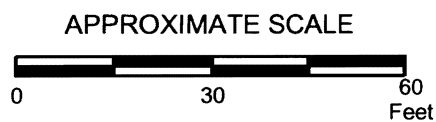
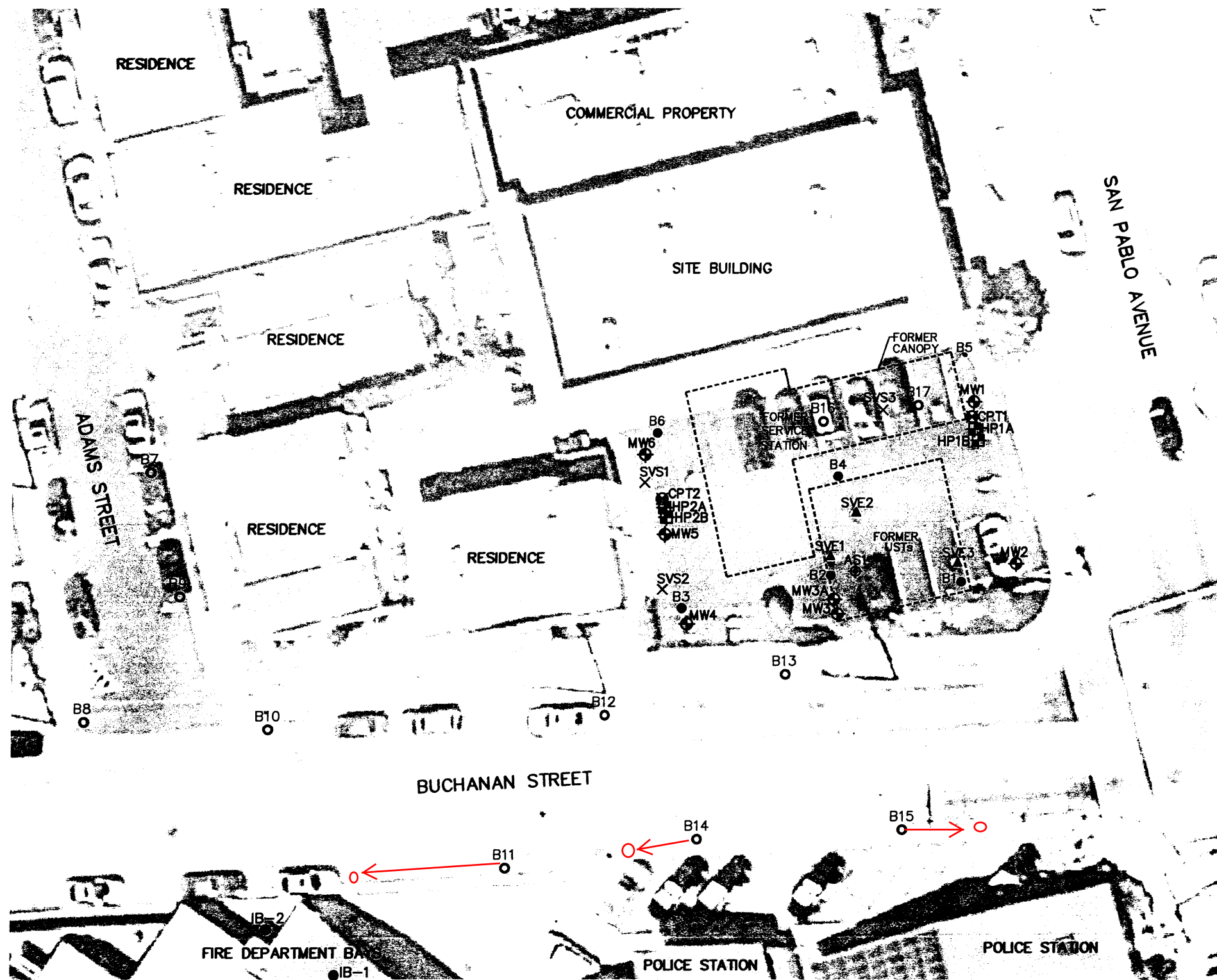


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FN 2735 13 W05 PROP BORINGS-2\_SP



**GENERALIZED SITE PLAN  
WITH PROPOSED BORING LOCATIONS**  
FORMER EXXON SERVICE STATION 79374  
990 San Pablo Avenue  
Albany, California

**EXPLANATION**

- MW6 Groundwater Monitoring Well
- B6 Soil Boring
- IB-2 Soil Boring by Other Consultant for City of Albany

- HP2B Hydropunch Boring
- CPT2 Cone Penetration Test Boring
- B17 Proposed Soil Boring

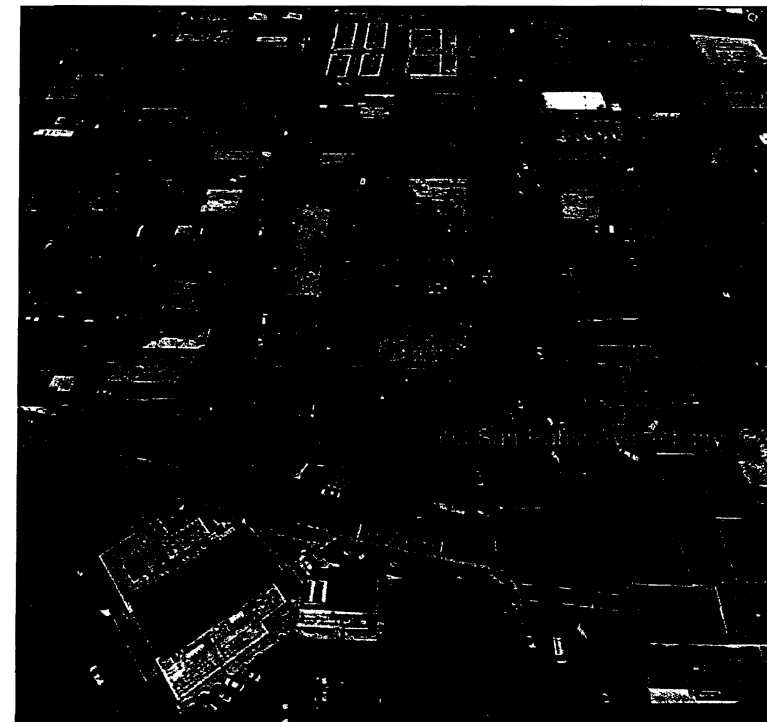
- AS1 Air Sparge Well
- SVE3 Soil Vapor Extraction Well
- SVS3 Proposed Soil Vapor Sampling Well









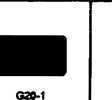



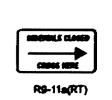





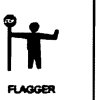










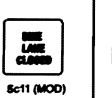
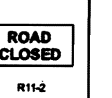
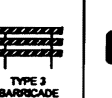

PROJECT NO.  
2735  
PLATE  
2

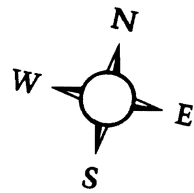
## CARDNO ERI - GENERAL TRAFFIC NOTES

1. ALL WORK AND MATERIALS SHALL COMPLY WITH THE CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) 2012 EDITION.
2. ALL STRIPING AND MARKINGS SHALL COMPLY WITH THE STATE OF CALIFORNIA STANDARD PLANS AND SPECIFICATIONS, INCLUDING STANDARD PLAN A-20 DETAILS.
3. THE CONTRACTOR SHALL PROVIDE FOR ACCESS TO ALL ADJACENT PROPERTIES.
4. FLASHING YELLOW BEACONS, TYPE "B" SHALL BE USED ON ALL W20 - 1 SIGNS AND ON ALL TYPE III BARRICADES GUARDING THE WORK AREA OVER NIGHT.
5. ALL SIGNS SHALL BE REFLECTORIZED AND STANDARD SIZE.
6. ALL TUBULAR DELINEATORS AND CONES SHALL BE 28" MINIMUM HEIGHT, REFLECTORIZED AND MAINTAINED ERECT IN THE INDICATED POSITION AT ALL TIMES, AND SHALL BE REPAIRED,
7. REPLACED, OR CLEANED AS NECESSARY TO PRESERVE THEIR APPEARANCE AND CONTINUITY, AND SHALL INCLUDE A 12" HIGH INTENSITY REFLECTORIZED SLEEVE, IF USED DURING NIGHT-TIME HOURS.
8. THE CONTRACTOR SHALL HAVE ALL SIGNS, DELINEATORS, BARRICADES, ETC., PRIOR TO COMMENCING CONSTRUCTION.
9. THE CONTRACTOR SHALL MAINTAIN, ON A CONTINUOUS BASIS, ALL SIGNS, DELINEATORS, BARRICADES, ETC., TO ENSURE PROPER FLOW AND SAFETY OF TRAFFIC DURING CONSTRUCTION.
10. CONSTRUCTION OPERATIONS SHALL BE CONDUCTED IN SUCH A MANNER AS TO CAUSE AS LITTLE INCONVENIENCE AS POSSIBLE TO ADJACENT PROPERTY OWNERS.
11. EXACT LOCATION AND TYPE OF CONSTRUCTION SIGNS SHALL BE DIRECTED BY THE ENGINEER BASED UPON CONSTRUCTION CONDITIONS.
12. MOVE DELINEATORS AND/OR CONES TO THE SIDEWALK DURING NON-WORKING HOURS. REMOVE BARRICADES, ETC., FROM TRAVEL LANE. REMOVE OR TURN OFF SIGNS DURING NON-WORK HOURS.
13. CONE OR DELINEATOR SPACING SHALL NOT EXCEED 25 FEET, UNLESS OTHERWISE APPROVED BY THE CITY.
14. WORK HOURS SHALL BE FROM 9:00 AM TO 3:30 PM.
15. ANY REVISIONS TO THESE DRAWINGS SHALL BE APPROVED IN WRITING BY THE ENGINEER OF RECORD AND THE AGENCY HAVING JURISDICTION.
16. THE CITY TRAFFIC ENGINEERING DIVISION RESERVES THE RIGHT TO OBSERVE THE TRAFFIC CONTROL OPERATIONS AND TO MAKE ANY NECESSARY CHANGES. ANY DIRECTED CHANGES SHALL SUPERSEDE THESE PLANS AND SHALL BE IMPLEMENTED AT THE SOLE EXPENSE OF THE CONTRACTOR.

Contractor	
Cardno ERI 601 NORTH McDOWELL BLVD, CA	
Site	CARDNO ERI Number
FORMER EXXON STATION 79374	2735
Site Address	
990 SAN PABLO AVE, ALBANY, CA	
Prepared By	CARDNO ERI PM
GARY DE CARLO	REBEKAH WESTRUP
Phone	Sheet Number
707 766-2000	1 of 1
Working Hours	
9:00 a.m. / 3:30 p.m.	



 W20-1	 C20(RT)	 C20(LT)	 W21-SAR	 C30A	 W20-4	 C3A	 W12-1	 G20-1	 R3-7(RT)	 R3-2
 R8-8	 R8-11(RT)	 28\"	 47\"	 HIGH LEVEL WARNING DEVICE	 TYPE C ARROW PANEL	 TYPE 2 BARRICADE W/ SIGN	 FLAGGER	 W1-4(RT)	 W1-4(LT)	 R3-1
 W1-6 (LT)	 W1-6 (RT)	 C20(CA)	 R8-3a	 C12	 C31A	 W4-7	 E11 (MOD)	 ROAD CLOSED	 TYPE 3 BARRICADE	 M4-10R



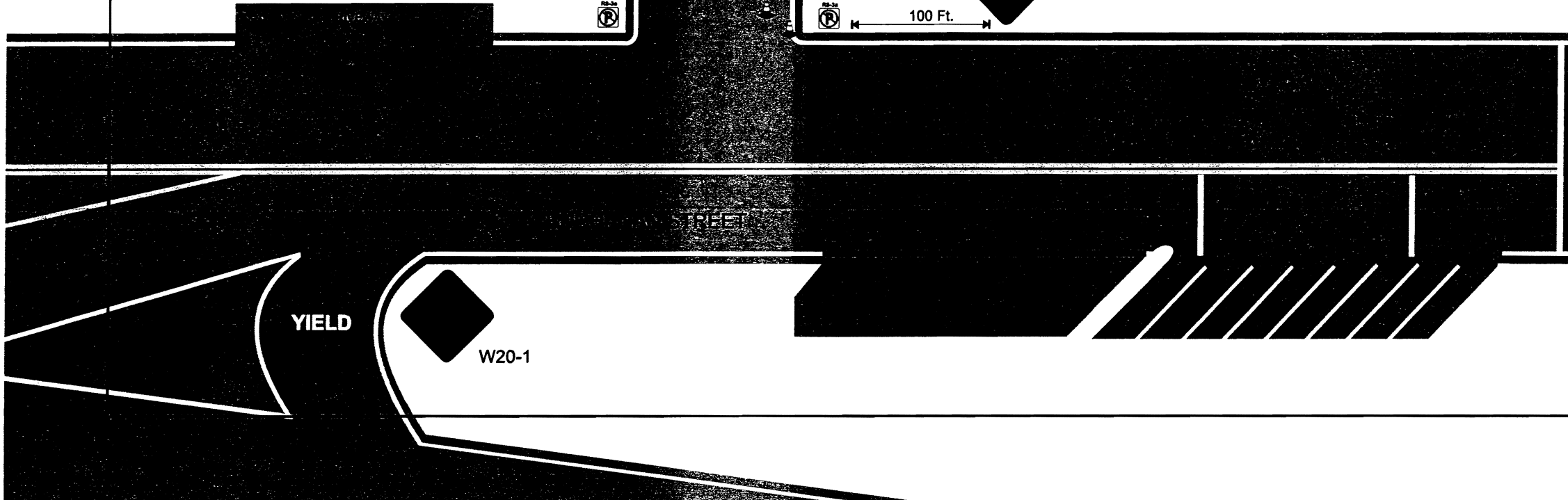
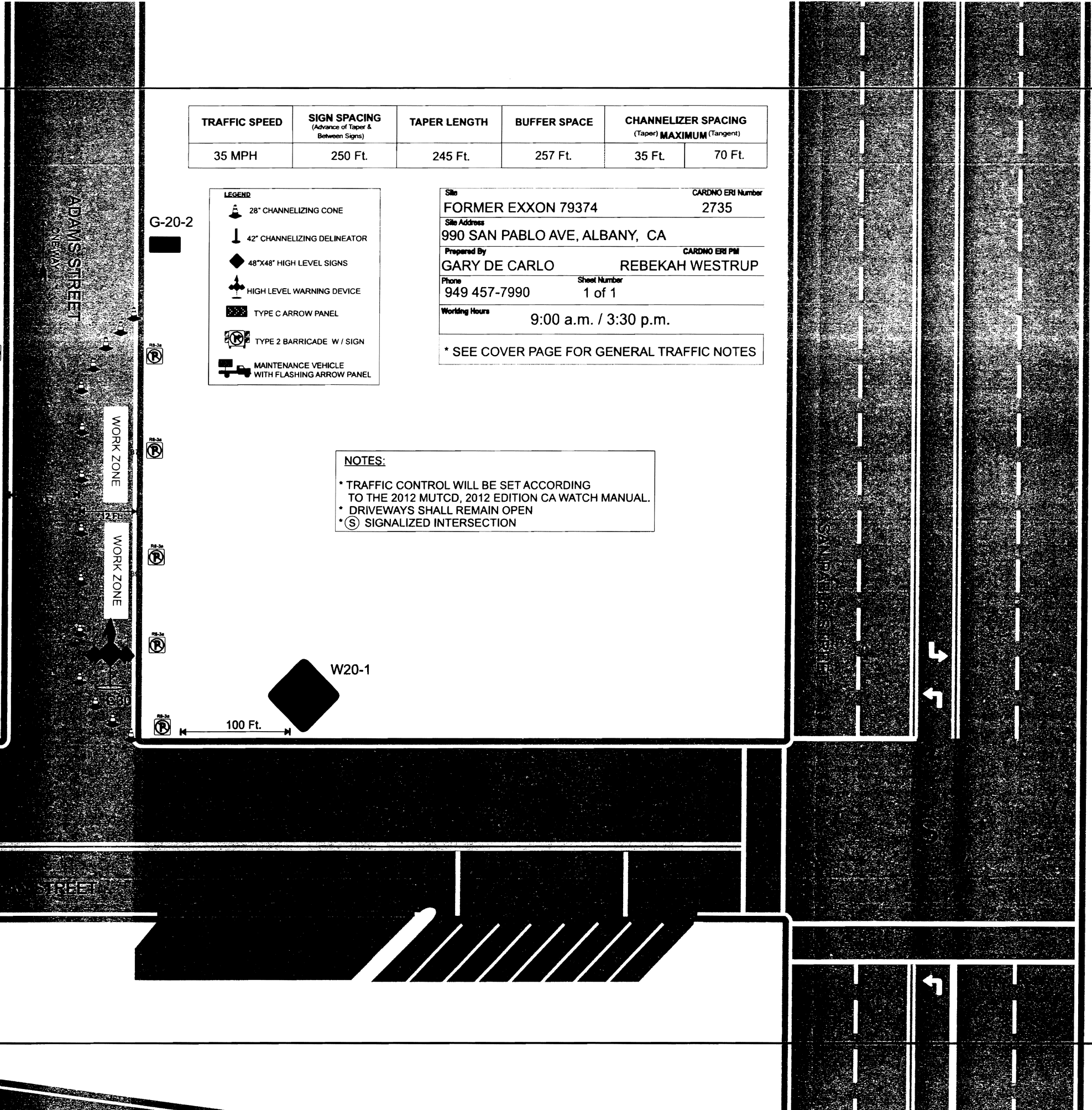
TRAFFIC SPEED	SIGN SPACING (Advance of Taper & Between Signs)	TAPER LENGTH	BUFFER SPACE	CHANNELIZER SPACING (Taper) <b>MAXIMUM</b> (Tangent)	
35 MPH	250 Ft.	245 Ft.	257 Ft.	35 Ft.	70 Ft.

- LEGEND**
- 28" CHANNELIZING CONE
  - 42" CHANNELIZING DELINEATOR
  - 48"x48" HIGH LEVEL SIGNS
  - HIGH LEVEL WARNING DEVICE
  - TYPE C ARROW PANEL
  - TYPE 2 BARRICADE W / SIGN
  - MAINTENANCE VEHICLE WITH FLASHING ARROW PANEL

Site: FORMER EXXON 79374 CARDNO ERI Number: 2735  
 Site Address: 990 SAN PABLO AVE, ALBANY, CA  
 Prepared By: GARY DE CARLO (CARDNO ERI PM) REBEKAH WESTRUP  
 Phone: 949 457-7990 Sheet Number: 1 of 1  
 Working Hours: 9:00 a.m. / 3:30 p.m.  
 \* SEE COVER PAGE FOR GENERAL TRAFFIC NOTES

**NOTES:**

- \* TRAFFIC CONTROL WILL BE SET ACCORDING TO THE 2012 MUTCD, 2012 EDITION CA WATCH MANUAL.
- \* DRIVEWAYS SHALL REMAIN OPEN
- \* (S) SIGNALIZED INTERSECTION





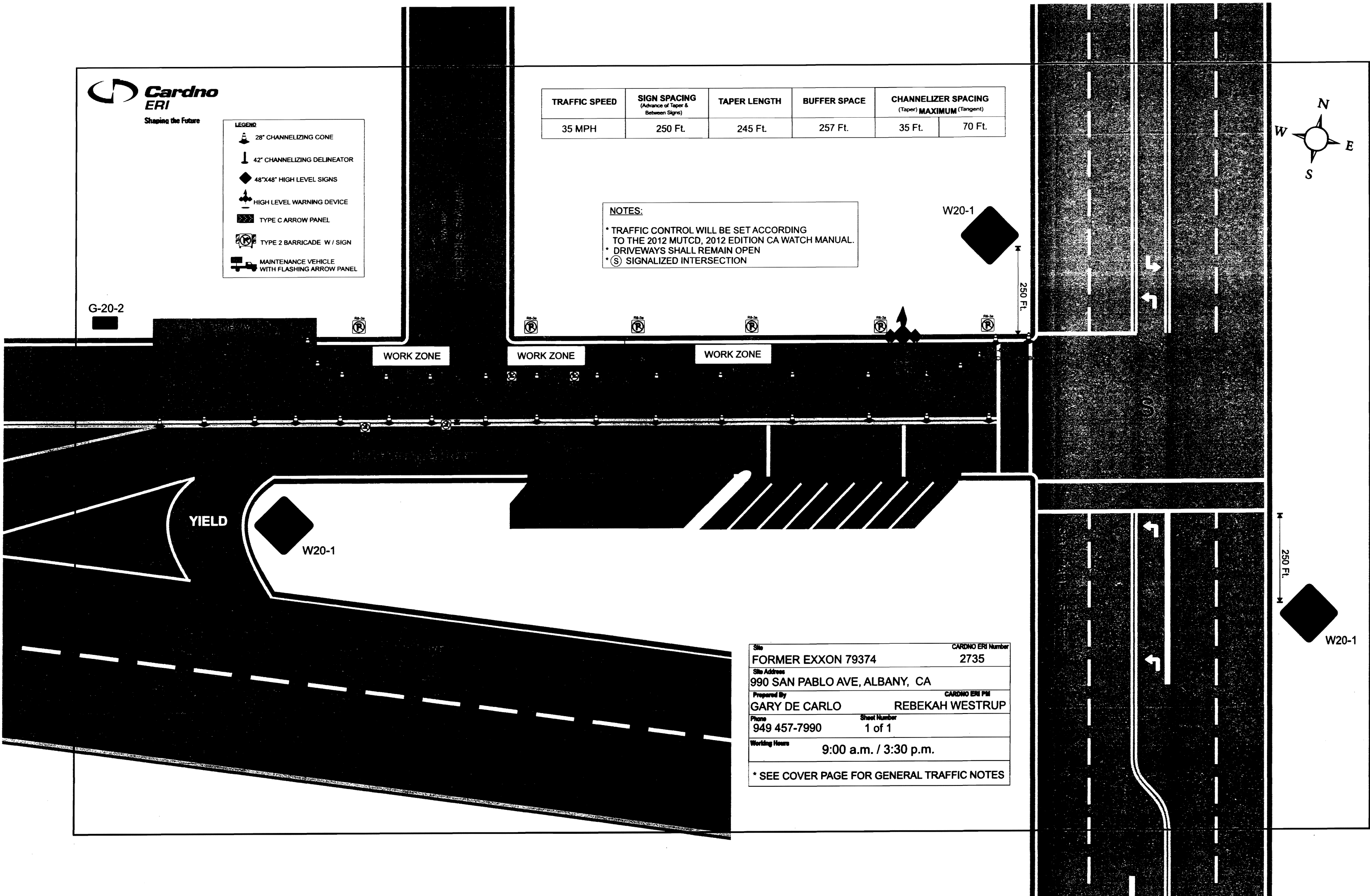
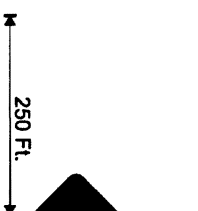
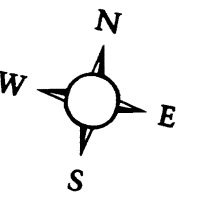
**LEGEND**

- 28" CHANNELIZING CONE
- 42" CHANNELIZING DELINEATOR
- 48"x48" HIGH LEVEL SIGNS
- HIGH LEVEL WARNING DEVICE
- TYPE C ARROW PANEL
- TYPE 2 BARRICADE W / SIGN
- MAINTENANCE VEHICLE WITH FLASHING ARROW PANEL

TRAFFIC SPEED	SIGN SPACING (Advance of Taper & Between Signs)	TAPER LENGTH	BUFFER SPACE	CHANNELIZER SPACING (Taper) <b>MAXIMUM</b> (Tangent)	
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G-20-2

WORK ZONE

WORK ZONE

WORK ZONE

W20-1

250 Ft.

YIELD

W20-1

W20-1

Site	FORMER EXXON 79374	CARDNO ERI Number	2735
Site Address	990 SAN PABLO AVE, ALBANY, CA		
Prepared By	GARY DE CARLO	CARDNO ERI PII	REBEKAH WESTRUP
Phone	949 457-7990	Sheet Number	1 of 1
Working Hours	9:00 a.m. / 3:30 p.m.		
* SEE COVER PAGE FOR GENERAL TRAFFIC NOTES			





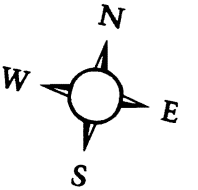
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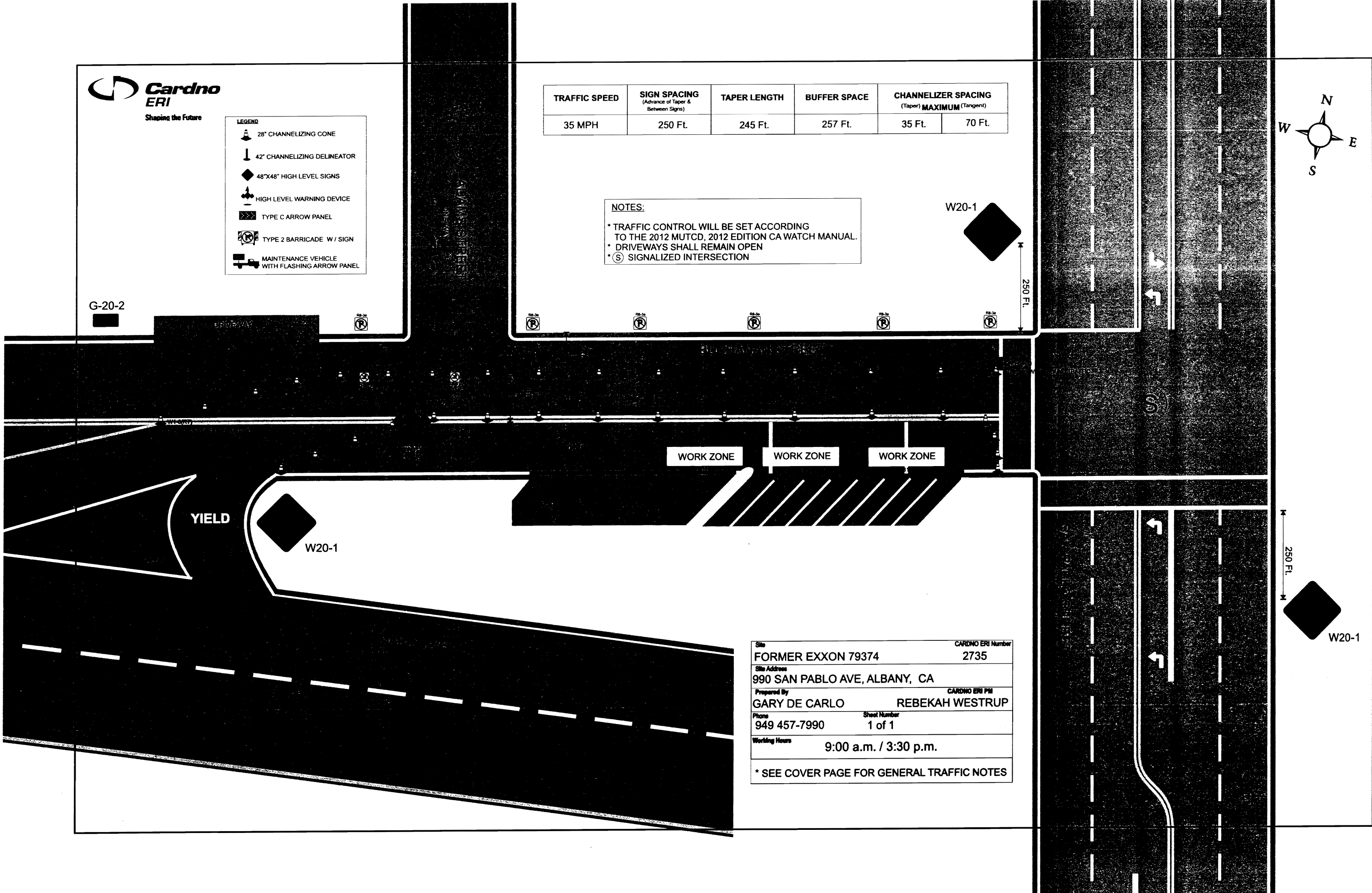
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G-20-2



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Site Address	990 SAN PABLO AVE, ALBANY, CA		
Prepared By	GARY DE CARLO	CARDNO ERI PM	REBEKAH WESTRUP
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