

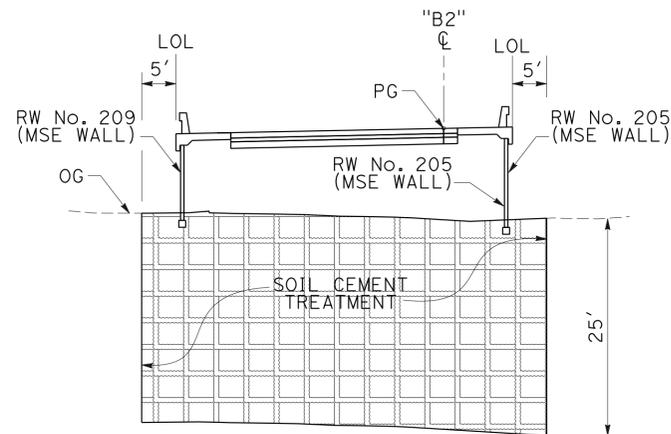
TABLE A

STATION LIMITS	PATTERN	SOIL CEMENT-COLUMN LENGTH (FT)
"B2" 208+16.00 TO "B2" 210+14.11	21%	25
"B2" 210+14.11 TO "B2" 213+16.25	33%	25
"B2" 213+16.25 TO "BWY" 15+33.17	33%	50
"BWY" 14+16.85 TO "BWY" 15+33.17	33%	25
"B3" 315+92.29 TO "B3" 316+71.47	33%	50
"B3" 316+71.47 TO "B3" 317+77.07	21%	25
"BWY" 19+98.84 TO "BWY" 20+50.65	33%	50
"BWY" 20+20.31 TO "BWY" 20+82.75	33%	25
"BWY" 19+84.75 TO "BWY" 20+15.25	33%	25
"BWY" 20+50.65 TO "BWY" 23+03.53	33%	25
"BWY" 23+03.53 TO "BWY" 24+57.02	21%	25
"BYSH" 39+52.61 TO "BYSH" 39+87.36	21%	15

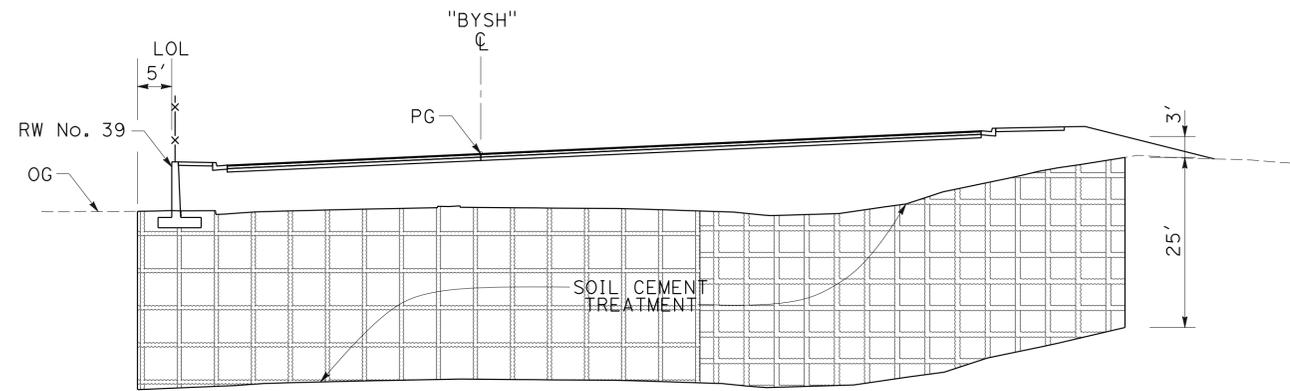


NOTES:

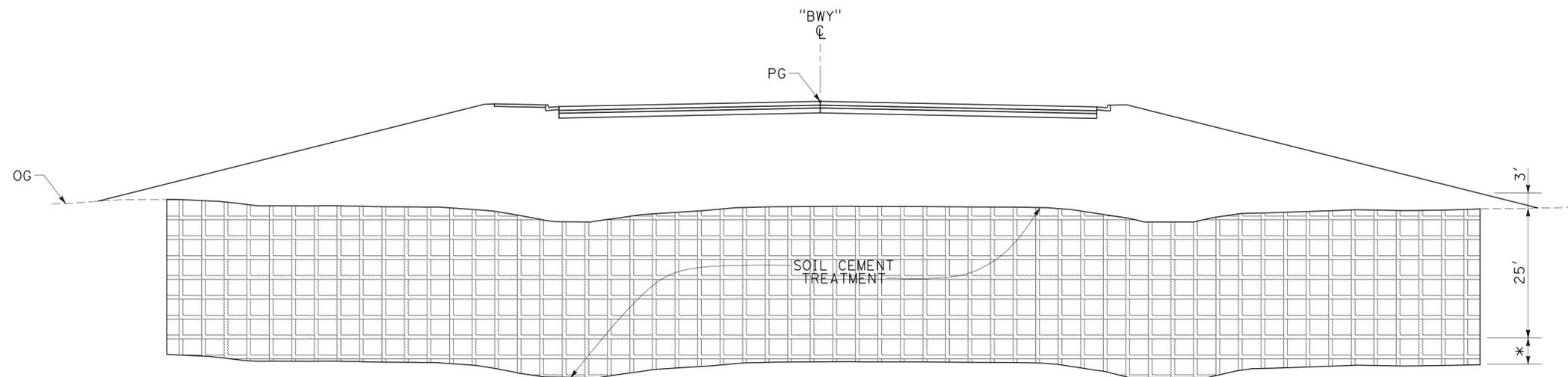
- FOR 33% PATTERN (BOTH 25-FOOT AND 50 FOOT COLUMN LENGTHS), THE SOIL CEMENT ELEMENTS CAN BE INDIVIDUAL COLUMNS OR OVERLAPPING COLUMN PANELS WITH A DIAMETER OF 3 FEET OR LARGER. THE MAXIMUM CLEAR SPACING BETWEEN ADJACENT NON-OVERLAPPING SOIL CEMENT ELEMENTS MUST BE LESS THAN 7 FEET.
- FOR 33% PATTERN (BOTH 25-FOOT AND 50-FOOT COLUMN LENGTHS), THE SOIL-CEMENT ELEMENTS CAN BE INDIVIDUAL COLUMNS OR OVERLAPPING-COLUMN PANELS WITH A DIAMETER OF 3 FEET OR LARGER. THE MAXIMUM CLEAR SPACING BETWEEN ADJACENT OVERLAPPING SOIL-CEMENT ELEMENT PANEL/WALL MUST BE LESS THAN 7 FEET.
- FOR 21% PATTERN (BOTH 15-FOOT AND 25-FOOT COLUMN LENGTHS), THE SOIL-CEMENT ELEMENTS CAN BE INDIVIDUAL COLUMNS WITH A DIAMETER OF 3 FEET OR LARGER. THE MAXIMUM CLEAR SPACING BETWEEN ADJACENT SOIL-CEMENT ELEMENTS MUST BE LESS THAN 4 FEET.
- OVERLAPPING-COLUMN PANELS/WALLS MUST BE USED ALONG EDGE OF RETAINING WALLS AND BRIDGE ABUTMENT FOOTINGS.
- MAINTAIN A MINIMUM CLEAR SPACING OF 6 INCHES BETWEEN SOIL-CEMENT ELEMENTS AND PROJECTED LINE OF BATTERED PILES AT ABUTMENT RETAINING WALLS.



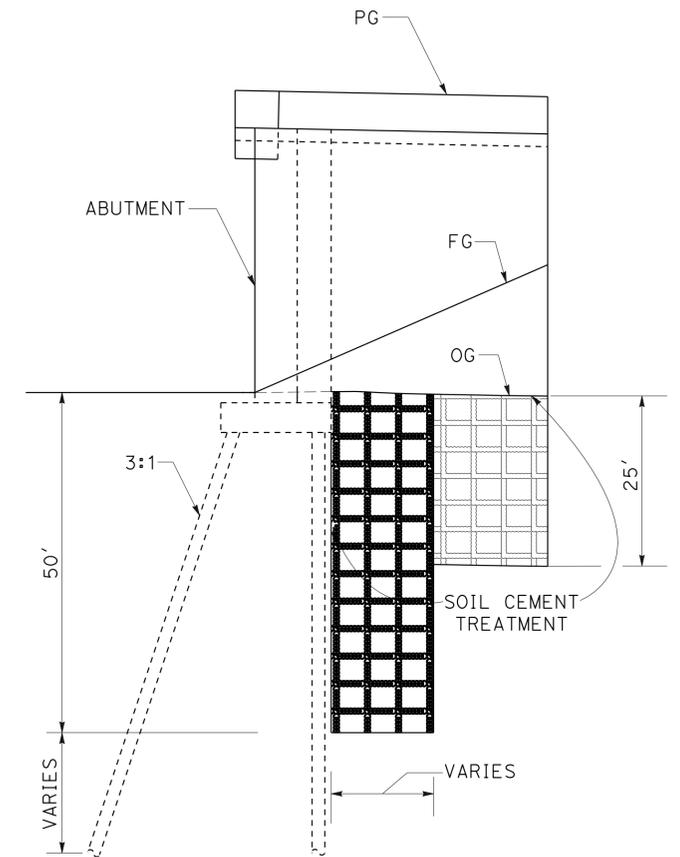
TYPICAL SECTION A-A



TYPICAL SECTION B-B



TYPICAL SECTION C-C



TYPICAL SECTION D-D

FOR NOTES, ABBREVIATIONS AND LEGEND, SEE SHEET C-44



REPLACED PER ADDENDUM No. 4 DATED MAY 2, 2014

CONSTRUCTION DETAILS (SOIL TREATMENT)

NO SCALE

C-47

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SM	101	16.3/17.1	105	814

REGISTERED CIVIL ENGINEER DATE 12/10/13

PLANS APPROVAL DATE 10/21/13

CHAO GONG
No. C53837
Exp. 09-30-15
CIVIL
STATE OF CALIFORNIA

URS CORPORATION
100 W. SAN FERNANDO ST
SUITE 200
SAN JOSE, CA 95113

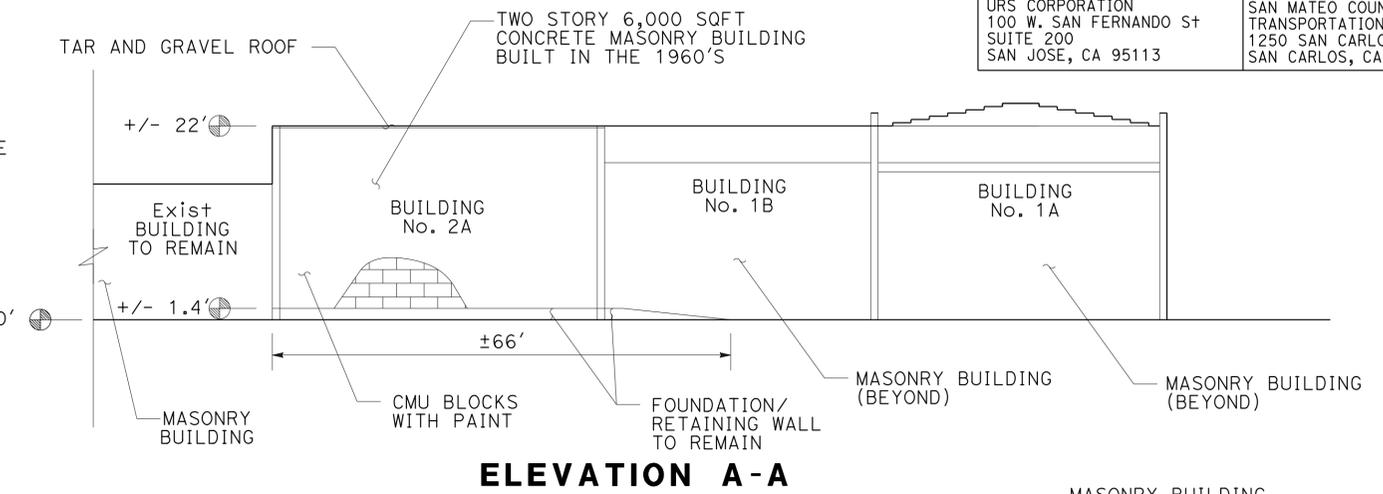
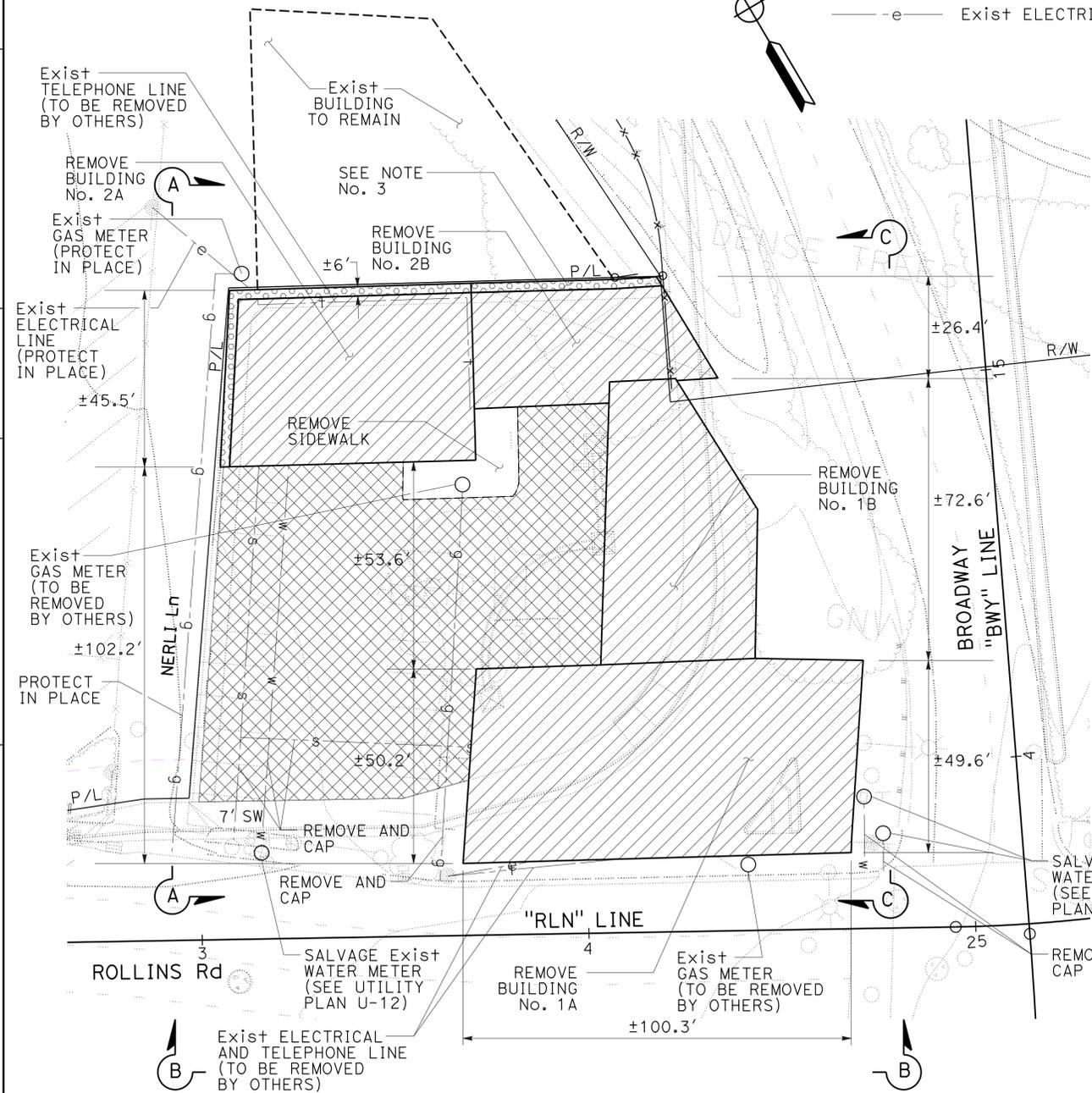
SAN MATEO COUNTY
TRANSPORTATION AUTHORITY
1250 SAN CARLOS AVE
SAN CARLOS, CA 94070-1306

NOTES:

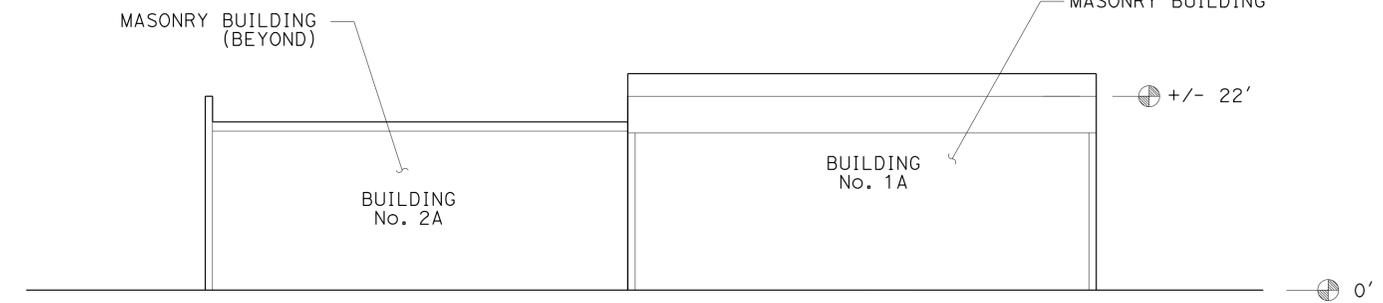
- FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
- THE CONTRACTOR SHALL VERIFY AND CONFIRM WITH THE ENGINEER ALL CONTROLLING FIELD DIMENSIONS, AND LOCATION AND STATUS OF EXISTING UTILITIES, BEFORE DEMOLITION, AND BEFORE ORDERING OR FABRICATING ANY MATERIALS.
- EXACT WIDTH OF FOUNDATION TO REMAIN TO BE VERIFIED BY THE ENGINEER.
- FOR ADDITIONAL UTILITY INFORMATION SEE UTILITY AND SANITARY SEWER PLANS.

LEGEND:

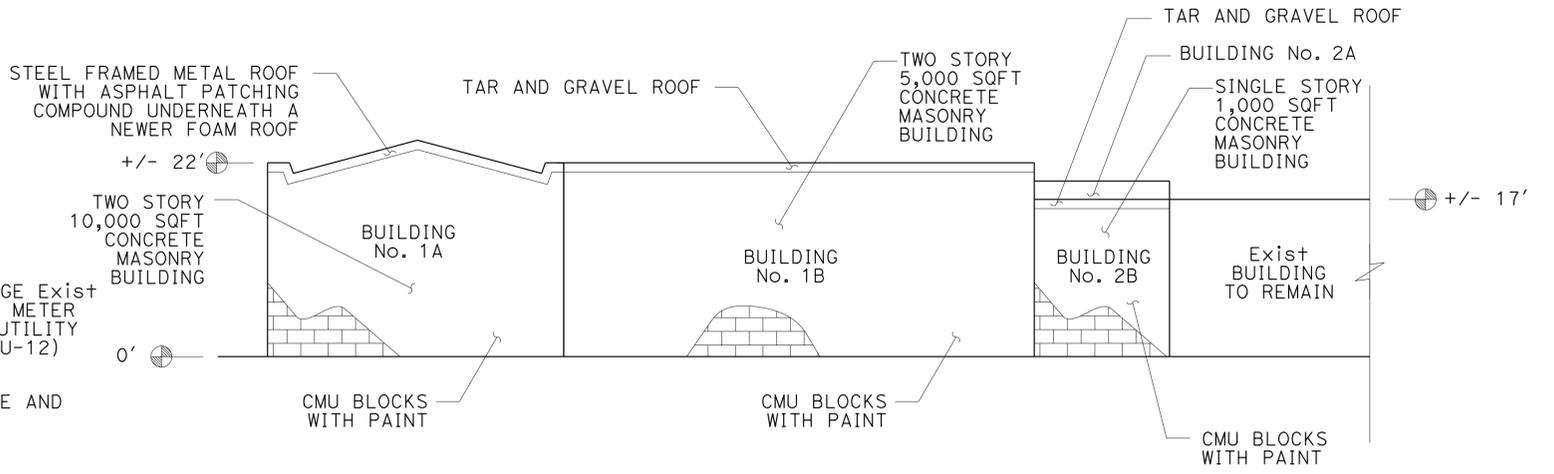
-  DEMOLISH AND REMOVE MASONRY BUILDING AND FOUNDATION (12" BELOW FINISHED FLOOR)
-  DEMOLISH AND REMOVE MASONRY WALL-FOUNDATION TO REMAIN (SEE NOTE 3)
-  REMOVE PAVEMENT
-  Exist WATER LINE
-  Exist GAS LINE
-  Exist SEWER LINE
-  Exist TELEPHONE LINE
-  Exist ELECTRICAL LINE



ELEVATION A-A



ELEVATION B-B



ELEVATION C-C

1212-1220 ROLLINS Rd
SCALE 1" = 20'

4 REPLACED PER ADDENDUM No. 4 DATED MAY 2, 2014

CONSTRUCTION DETAILS
(STRUCTURE DEMOLITION)

NO SCALE



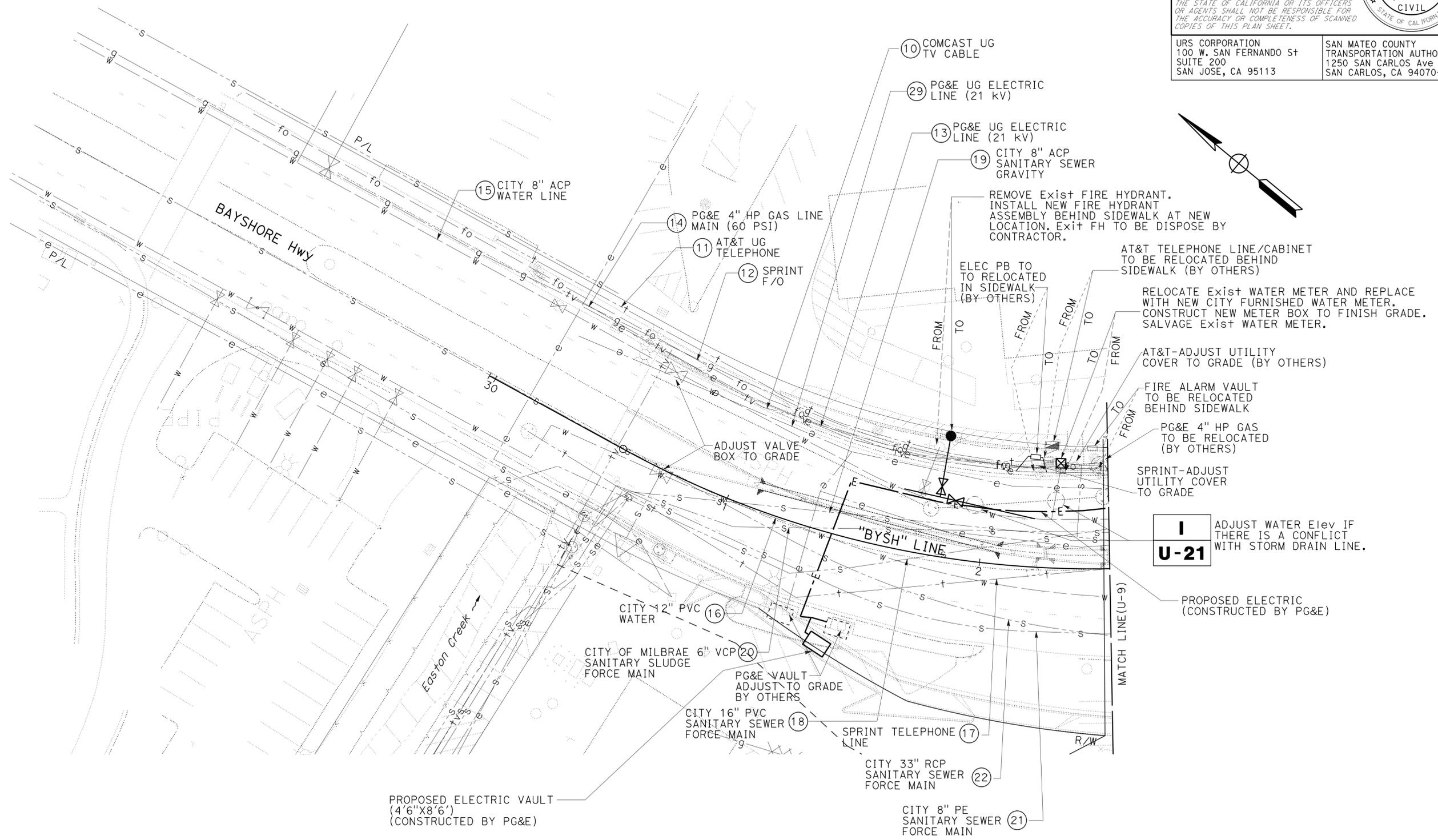
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SM	101	16.3/17.1	260	814

REGISTERED CIVIL ENGINEER	DATE
Yev Philipovitch	12/10/13
PLANS APPROVAL DATE	
10/21/13	

URS CORPORATION 100 W. SAN FERNANDO ST SUITE 200 SAN JOSE, CA 95113	SAN MATEO COUNTY TRANSPORTATION AUTHORITY 1250 SAN CARLOS Ave SAN CARLOS, CA 94070-1306
--	--

NOTES:

- FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
- ALL UTILITIES THAT ARE NOT TO BE RELOCATED WITHIN CONSTRUCTION AREA SHALL BE PROTECTED IN PLACE.



STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	CONSULTANT FUNCTIONAL SUPERVISOR	REVISOR	DATE
RAMSEY J. HISSEN	YEV PHILIPOVITCH	VQ	12/10/13
	CHECKED BY	JH	04/29/14



FOR NOTES, ABBREVIATIONS AND LEGEND, SEE SHEET U-1

4 REPLACED PER ADDENDUM No. 4 DATED MAY 2, 2014

APPROVED FOR UTILITY WORK ONLY

UTILITY PLAN
SCALE 1" = 20'

U-8



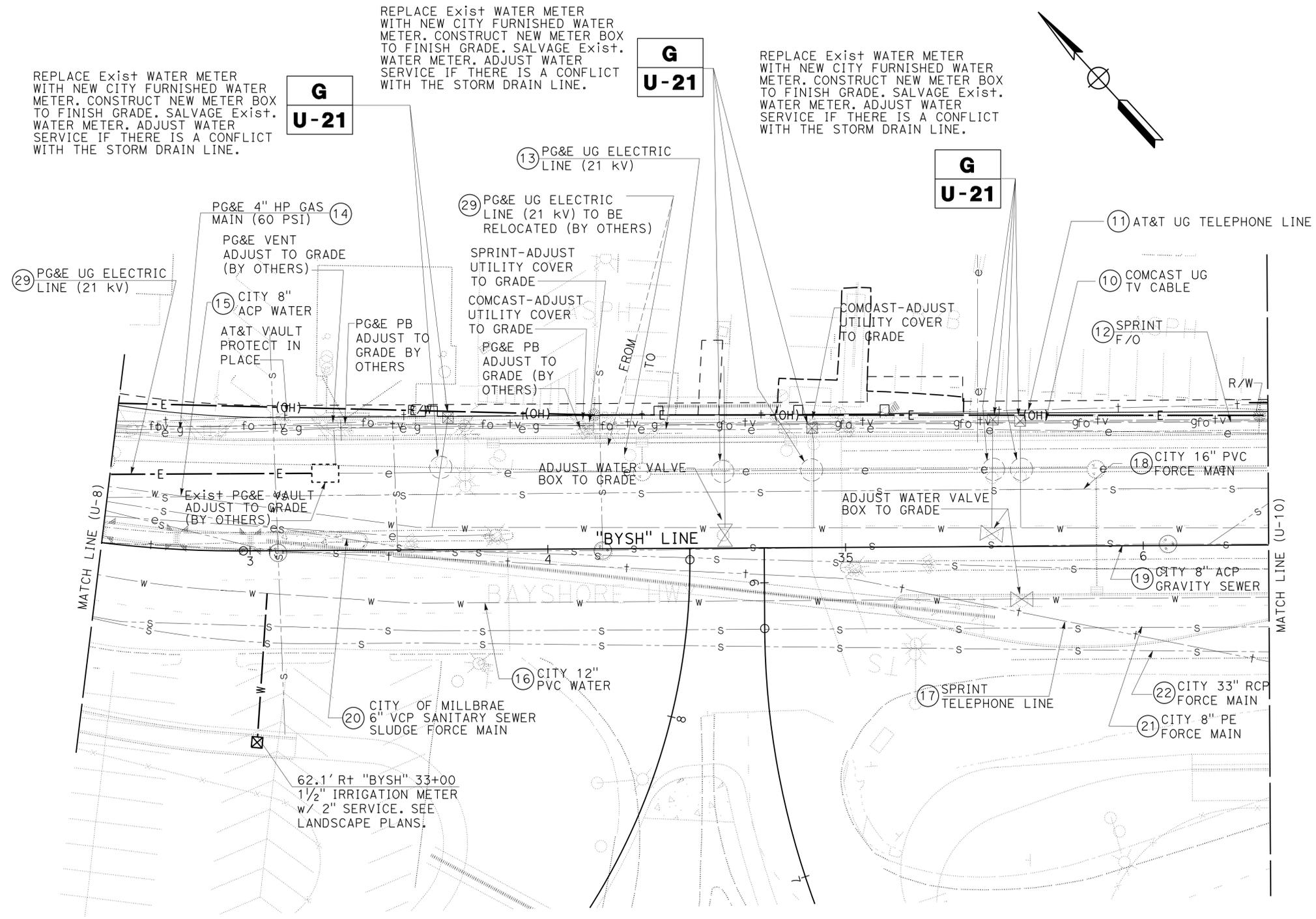
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SM	101	16.3/17.1	261	814

<i>Yev Philipovitch</i> REGISTERED CIVIL ENGINEER	12/10/13 DATE
10/21/13 PLANS APPROVAL DATE	

URS CORPORATION 100 W. SAN FERNANDO ST SUITE 200 SAN JOSE, CA 95113	SAN MATEO COUNTY TRANSPORTATION AUTHORITY 1250 SAN CARLOS Ave SAN CARLOS, CA 94070-1306
--	--

NOTES:

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- ALL UTILITIES THAT ARE NOT TO BE RELOCATED WITHIN CONSTRUCTION AREA SHALL BE PROTECTED IN PLACE.



4 REPLACED PER ADDENDUM No. 4 DATED MAY 2, 2014

FOR NOTES, ABBREVIATIONS AND LEGEND, SEE SHEET U-1

UTILITY PLAN
SCALE 1" = 20'

U-9

APPROVED FOR UTILITY WORK ONLY

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	CONSULTANT FUNCTIONAL SUPERVISOR	CALCULATED-DESIGNED BY	REVISOR	DATE
Caltrans	RAMSEY J. HESSEN	YEV PHILIPOVITCH	VQ	12/10/13
			JH	04/25/14

4

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SM	101	16.3/17.1	262	814

REGISTERED CIVIL ENGINEER DATE 12/10/13

Yev Philipovitch

Yev Philipovitch
No. C25392
Exp. 12-31-15
CIVIL

PLANS APPROVAL DATE

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

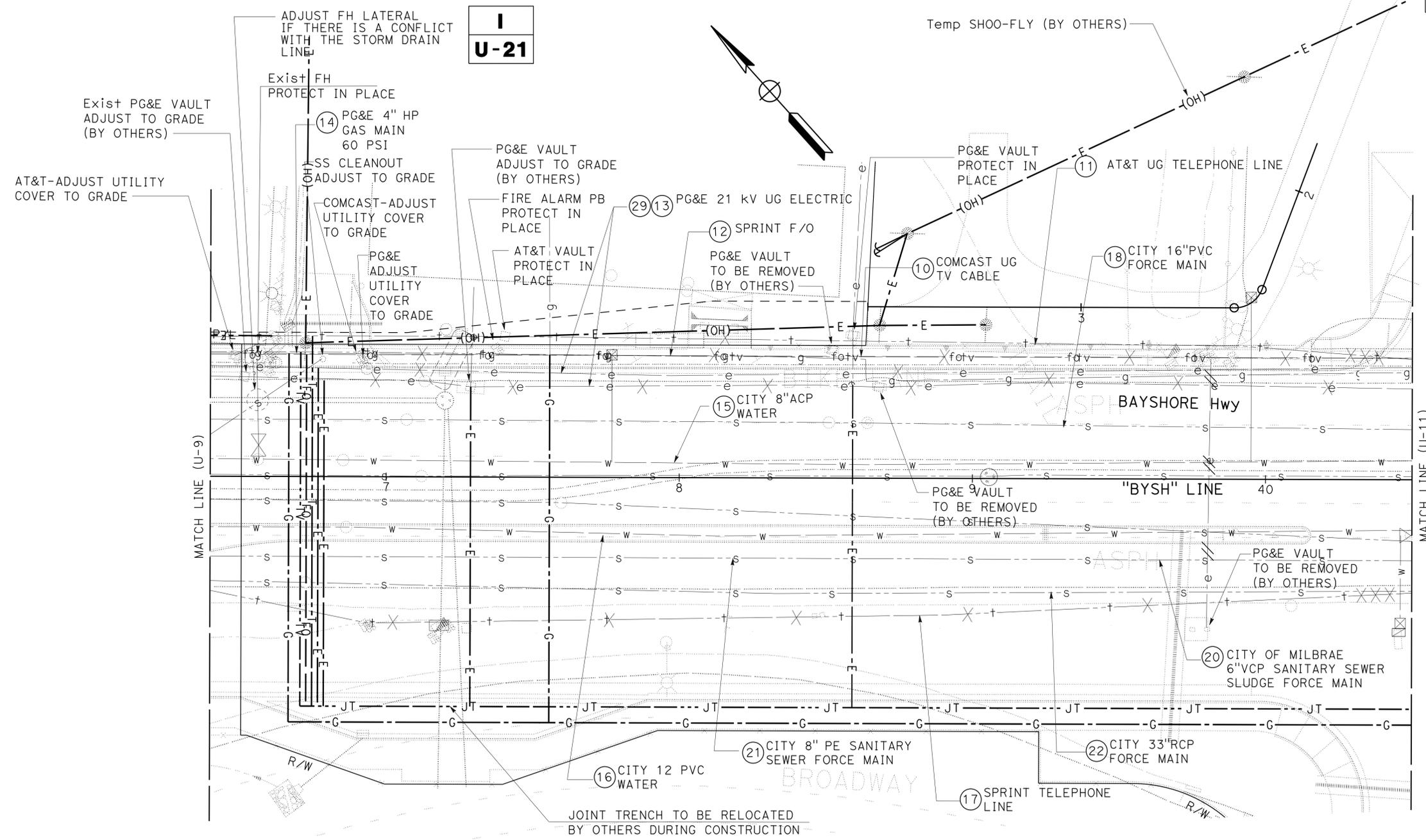
URS CORPORATION
100 W. SAN FERNANDO ST
SUITE 200
SAN JOSE, CA 95113

SAN MATEO COUNTY
TRANSPORTATION AUTHORITY
1250 SAN CARLOS Ave
SAN CARLOS, CA 94070-1306

NOTES:

- FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
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4 REPLACED PER ADDENDUM No. 4 DATED MAY 2, 2014



**I
U-21**

- 10 COMCAST TV CABLE
- 11 AT&T TELEPHONE LINE
- 12 SPRINT F/O
- 29 13 PG&E 21 KV UG ELECTRIC
- 14 PG&E 4" HP GAS MAIN
- 17 SPRINT TELEPHONE LINE

FOR NOTES, ABBREVIATIONS AND LEGEND, SEE SHEET U-1

APPROVED FOR UTILITY WORK ONLY

UTILITY PLAN
SCALE 1" = 20'
U-10

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	CONSULTANT FUNCTIONAL SUPERVISOR	CALCULATED-DESIGNED BY	REVISOR	DATE
RAMSEY J. HESSEN	YEV PHILIPOVITCH	VAN QUIAMBAO	VQ	12/10/13
YEV PHILIPOVITCH	JH			04/25/14

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
 CONSULTANT - FUNCTIONAL SUPERVISOR: RAMSEY J. HISSEN
 CALCULATED/DESIGNED BY: VAN QUIAMBAO
 CHECKED BY: YEV PHILIPOVITCH
 REVISIONS:
 JH 04/25/14
 VQ 12/10/13

NOTES:
 1. FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
 2. ALL UTILITIES THAT ARE NOT TO BE RELOCATED WITHIN CONSTRUCTION AREA SHALL BE PROTECTED IN PLACE.

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SM	101	16.3/17.1	263	814

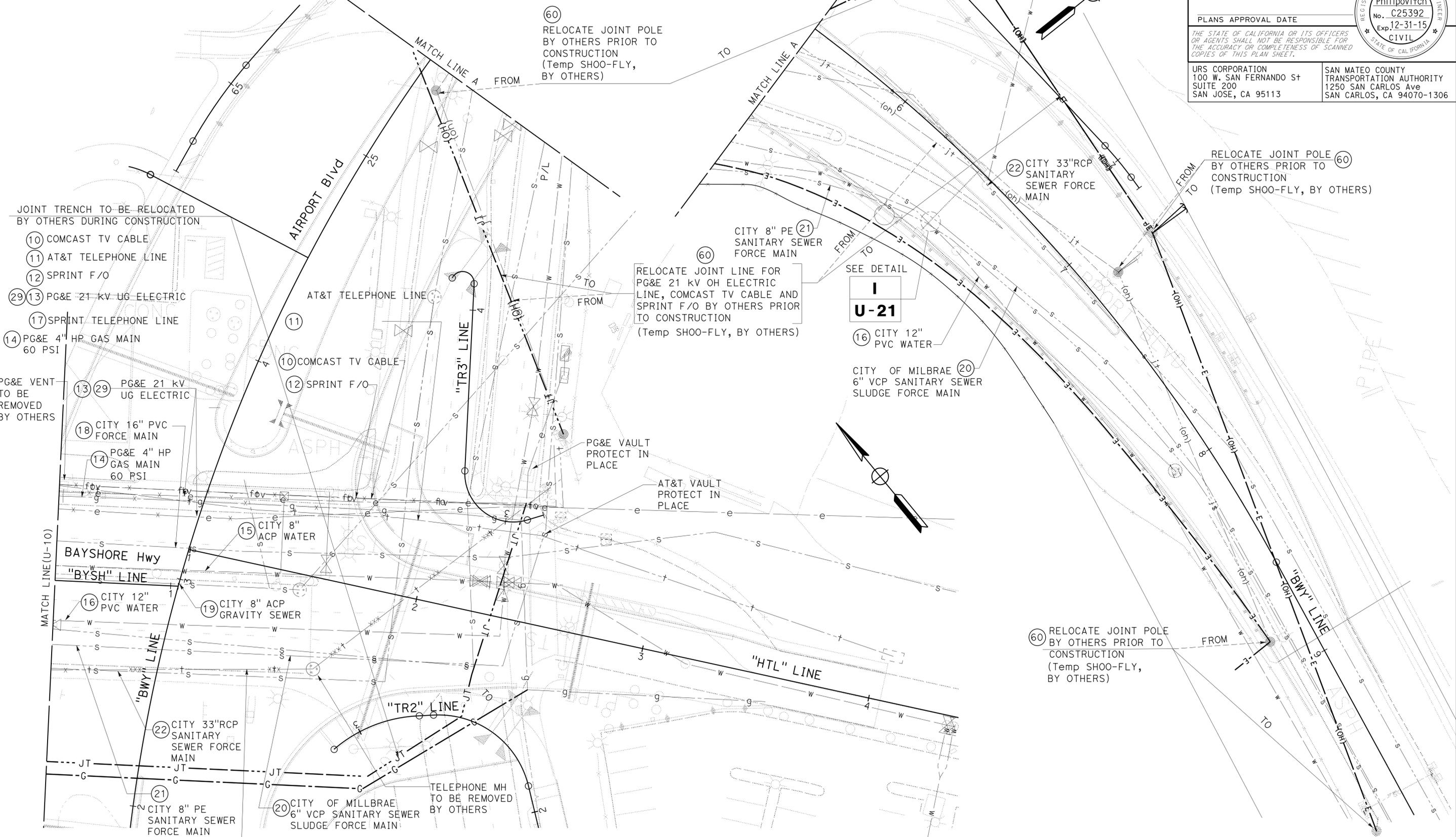
REGISTERED CIVIL ENGINEER: Yev Philipovitch
 No. C25392
 Exp. 12-31-15
 CIVIL
 STATE OF CALIFORNIA

PLANS APPROVAL DATE: 12/10/13

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

URS CORPORATION
 100 W. SAN FERNANDO ST
 SUITE 200
 SAN JOSE, CA 95113

SAN MATEO COUNTY
 TRANSPORTATION AUTHORITY
 1250 SAN CARLOS Ave
 SAN CARLOS, CA 94070-1306



FOR NOTES, ABBREVIATIONS AND LEGEND, SEE SHEET U-1

4 REPLACED PER ADDENDUM No. 4 DATED MAY 2, 2014
 APPROVED FOR UTILITY WORK ONLY

UTILITY PLAN
 SCALE 1" = 20'
U-11

4 REPLACED PER ADDENDUM No. 4 DATED MAY 2, 2014

NOTES:

- FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
- ALL UTILITIES THAT ARE NOT TO BE RELOCATED WITHIN CONSTRUCTION AREA SHALL BE PROTECTED IN PLACE.

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SM	101	16.3/17.1	264	814

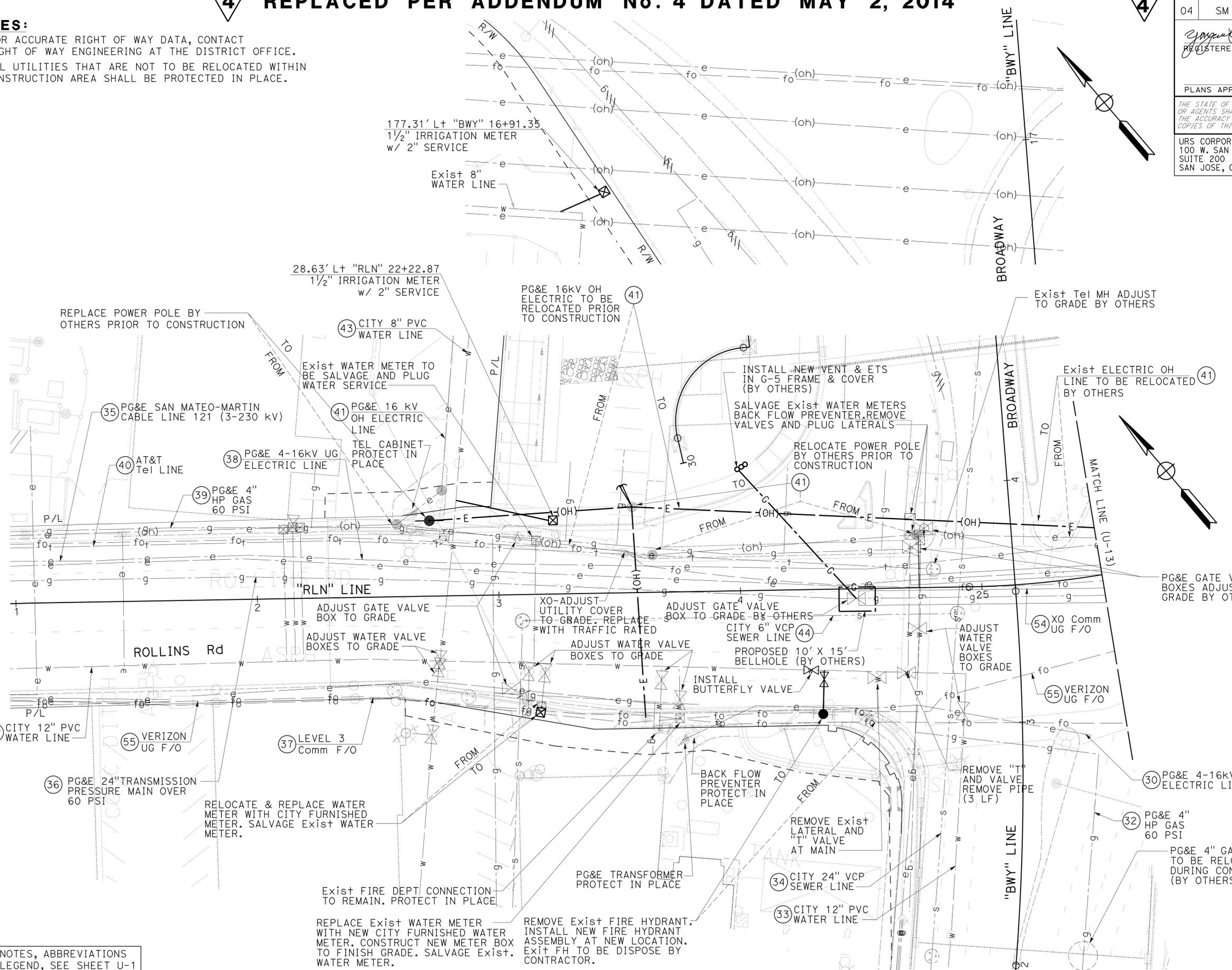
12/10/13
REGISTERED CIVIL ENGINEER DATE

10/21/13
PLANS APPROVAL DATE

Yev Philipovitch
REGISTERED PROFESSIONAL ENGINEER
No. C25392
Exp. 12-31-15
CIVIL
STATE OF CALIFORNIA

URS CORPORATION
100 W. SAN FERNANDO ST
SUITE 200
SAN JOSE, CA 95113

SAN MATEO COUNTY
TRANSPORTATION AUTHORITY
1250 SAN CARLOS Ave
SAN CARLOS, CA 94070-1306



FOR NOTES, ABBREVIATIONS AND LEGEND, SEE SHEET U-1

APPROVED FOR UTILITY WORK ONLY

UTILITY PLAN
SCALE 1" = 20'
U-12

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans

CONSULTANT: FUNCTIONAL SUPERVISOR
RAMSEY J. HISSEN

CALCULATED/DESIGNED BY
VAN QUIAMBAO

CHECKED BY
YEV PHILIPOVITCH

REVISOR
VO

DATE REVISOR
12/10/13

DATE REVISOR
04/25/14

JH

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
04	SM	101	16.3/17.1	452	814

REGISTERED CIVIL ENGINEER DATE 12/10/13
 REGISTERED CIVIL ENGINEER DATE 10/21/13
 PLANS APPROVAL DATE

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

URS CORPORATION
 100 W. SAN FERNANDO ST
 SUITE 200
 SAN JOSE, CA 95113

SAN MATEO COUNTY
 TRANSPORTATION AUTHORITY
 1250 SAN CARLOS Ave
 SAN CARLOS, CA 94070-1306

ROADSIDE SIGN QUANTITIES

SHEET No.	ROADSIDE SIGN		METAL ROADSIDE SIGN	REMOVE ROADSIDE SIGN	RELOCATE ROADSIDE SIGN	INSTALL SIGN (STRAP AND SADDLE BRACKET METHOD)	REMOVE SIGN FROM ELECTROLIER	INSTALL SIGN ON SIGNAL MAST ARM [N]	INSTALL SIGN MAST ARM HANGER METHOD [N]	INSTALL SIGN ON BARRICADE [N]	REMARKS
	ONE POST	TWO POST	ONE POST	EA	EA	EA	EA	EA	EA		
	EA	EA	LB	EA	EA	EA	EA	EA	EA		
SHEET TOTAL OF SQ-10	1	0	94	2	0	3	0	16	2	12	
SHEET TOTAL OF SQ-9	3	5	244	12	2	7	0	0	0	0	
SHEET TOTAL OF SQ-8	2	3	467	19	0	1	0	0	0	0	
SHEET TOTAL OF SQ-7	0	0	0	27	1	0	0	0	0	0	
SHEET TOTAL OF SQ-6	4	2	405	8	1	15	0	0	0	0	
SHEET TOTAL OF SQ-5	0	3	492	11	0	4	0	0	0	0	
SHEET TOTAL OF SQ-4	0	0	0	31	0	0	0	0	0	0	
SHEET TOTAL OF SQ-3	9	2	288	13	0	2	0	3	0	0	
SHEET TOTAL OF SQ-2	12	1	44	18	1	2	2	0	0	0	
SHEET TOTAL OF SQ-1	1	1	0	20	1	3	1	0	0	0	
GRAND TOTAL	32	17	2034	161	6	37	3	19	2	12	

(N) = NOT A SEPARATE PAY ITEM, FOR INFORMATION ONLY

OVERHEAD SIGN QUANTITIES

SHEET No.	SIGN No.	SIGN CODE	PANEL SIZE L x D [N]	AREA [N]	FURNISH SIGN STRUCTURE (TRUSS)	INSTALL SIGN STRUCTURE (TRUSS)	60" CIDH CONCRETE PILE (SIGN FOUNDATION)	REMOVE SIGN PANEL	INSTALL REMOVABLE SIGN PANEL FRAME	REMOVE SIGN STRUCTURE	REMARKS
			INCHES	SQFT	LB	LB	LF	EA	EA LB	EA	
S-2	SS2-A	G85-10 (CA) Mod	204 x 110	155.83	22,500.00	22,500.00	35		EA LB		
	SS2-B	G85-10 (CA) Mod							EA LB	1	
S-3	SS3-C	G24 (CA) Mod								1	
		G24 (CA) Mod									
		G24 (CA) Mod									
S-5	SS5-D	G85-10 (CA) Mod	204 x 110	155.83				1	EA LB		REFER TO STANDARD PLANS S-20 AND S-21 FOR INSTALLATION DETAILS
GRAND TOTAL					22,500.00	22,500.00	35	1.00	2.00 908	2.00	

(N) = NOT A SEPARATE PAY ITEM, FOR INFORMATION ONLY

 **REPLACED PER ADDENDUM No. 4 DATED MAY 2, 2014**
 **REPLACED PER ADDENDUM No. 2 DATED APRIL 9, 2014**

APPROVED FOR SIGN WORK ONLY

SIGN QUANTITIES SQ-11

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
 Ramsey J. Hissen
 CONSULTANT FUNCTIONAL SUPERVISOR
 ANGELA OBESO
 ABHIJEET BHOI
 REVISOR BY
 DATE REVISOR
 12/10/13
 04/22/14
 SS

LAST REVISION DATE PLOTTED => 02-MAY-2014
 04-22-14 TIME PLOTTED => 10:20