CITY OF JURUPA VALLEY

CALIFORNIA

STREET IMPROVEMENT PLANS

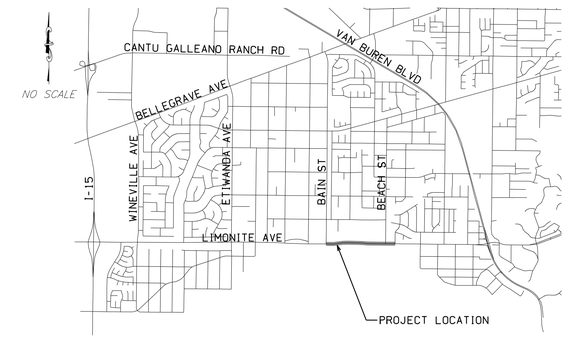
FOR

LIMONITE AVENUE WIDENING
BAIN ST TO HOMESTEAD ST
PROJECT No. 17-B.2

GENERAL NOTES

1. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO APPLY TO THE CITY OF JURUPA VALLEY, PERMIT SECTION, FOR AN ENCROACHMENT PERMIT FOR ALL WORK PERFORMED WITHIN PUBLIC RIGHT-OF-WAY, DEDICATED AND ACCEPTED FOR PUBLIC USE; AND TO BE RESPONSIBLE FOR SATISFACTORY COMPLIANCE FOR ALL CURRENT ENVIRONMENTAL REGULATIONS DURING THE LIFE OF CONSTRUCTION ACTIVITIES FOR THIS PROJECT.
2. THE CONTRACTOR SHALL NOTIFY UNDERGROUND SERVICE ALERT, 811, AND ALL CONCERNED UTILITY COMPANIES AT LEAST TWO WORKING DAYS IN ADVANCE OF EXCAVATION.
3. ALL WORK SHALL CONFORM TO THE REQUIREMENTS OF THE RIVERSIDE COUNTY TRANSPORTATION DEPARTMENT IMPROVEMENT STANDARDS AND SPECIFICATIONS, LATEST EDITION, COUNTY ORDINANCE NO. 461 AND SUBSEQUENT AMENDMENTS. ALL MATERIALS AND WORK SHALL CONFORM TO THE 2015 EDITION OF THE STANDARD SPECIFICATIONS OF THE STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION AND SPECIAL PROVISIONS OF THIS CONTRACT.
4. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO INSTALL AND MAINTAIN ALL CONSTRUCTION, REGULATORY, GUIDE AND WARNING SIGNS WITHIN THE PROJECT LIMITS AND ITS SURROUNDINGS TO PROVIDE SAFE PASSAGE FOR THE TRAVELING PUBLIC AND WORKERS UNTIL THE FINAL COMPLETION AND ACCEPTANCE OF THE PROJECT BY THE CITY. A TRAFFIC CONTROL PLAN MUST BE SUBMITTED FOR REVIEW TO THE PERMITS SECTION OR INSPECTION SECTION PRIOR TO OBTAINING AN ENCROACHMENT PERMIT.
5. CONSTRUCTION PROJECTS MUST OBTAIN A NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT. CITY WILL FILE A NOTICE OF INTENT (NOI) WITH THE STATE WATER RESOURCES CONTROL BOARD (SWRCB). CONTRACTOR SHALL PREPARE A STORM WATER POLLUTION PREVENTION PLAN (SWPPP) AND MONITORING PLAN FOR THE PROJECT.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY CLEAN UP ON CITY RIGHT-OF-WAY AFFECTED BY CONTRACTOR'S WORK. THE CONTRACTOR SHALL KEEP CITY RIGHT-OF-WAY CLEAN OF DEBRIS, WITH DUST AND OTHER NUISANCES BEING CONTROLLED AT ALL TIMES. METHOD OF STREET CLEANING SHALL BE DRY SWEEPING OF ALL PAVED AREAS. THERE SHALL BE NO STOCKPILING OF CONSTRUCTION MATERIALS WITHIN THE CITY RIGHT-OF-WAY WITH THE PERMISSION OF THE ENGINEER.
7. FOR ALL DRIVEWAY RECONSTRUCTION BEYOND RIGHT-OF-WAY, PROOF OF DRIVEWAY OWNER NOTIFICATION IS REQUIRED PRIOR TO CONSTRUCTION.
8. THE CONTRACTOR MUST INFORM THE CITY AT LEAST 48 HOURS PRIOR TO NOTIFICATION FOR INSPECTION. PHONE: (951) 332-6464.

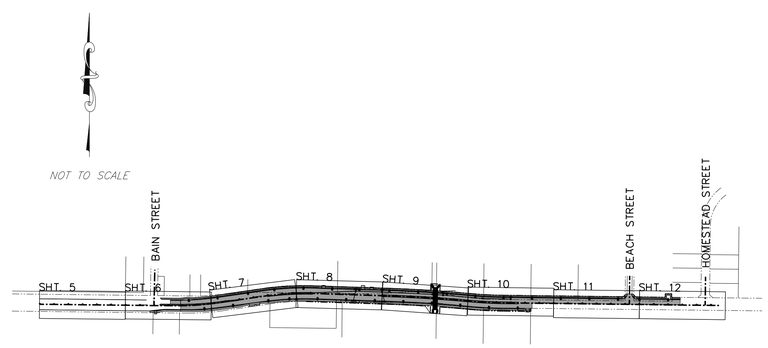
VICINITY MAP



LEGEND AND LIST OF ABBREVIATIONS

A.C.	-ASPHALT CONCRETE
ANG. PT.	-ANGLE POINT
A.R.H.M.	-ASPHALT RUBBERIZED HOT MIX
BCR	-BEGIN CURB RETURN
BVC	-BEGIN VERTICAL CURVE
CB	-CATCH BASIN
CF	-CURB FACE
C&G	-CURB & GUTTER
C/L	-CENTERLINE
DW	-DRIVEWAY
EP	-EDGE OF PAVEMENT
EX	-EXISTING
EXIST.	-EXISTING
ECR	-END CURB RETURN
EG	-EXISTING GROUND
EVC	-END VERTICAL CURVE
FL	-FLOW LINE
FS	-FINISHED SURFACE
GB	-GRADE BREAK
H.M.A.	-HOT MIX ASPHALT
HP	-HIGH POINT
PROP.	-PROPOSED
PB	-PULLBOX
R/W	-RIGHT OF WAY
SD	-STORM DRAIN
TRANS	-TRANSITION
TC	-TOP OF CURB
TD	-TOP OF DIKE

— T —	EX. TELEPHONE LINE
— San. —	EX. SEWERMAIN San.: 36" SEWER San.2: 24" SWR FM San.3: 21" SEWER San.4: 10" SEWER San.5: 18" SEWER
— 12" W —	EX. WATERMAIN (SIZE NOTED)
— E —	EX. UNDERGROUND ELECTRIC
— G —	EX. GAS LINES G: 6" GAS G2: 30" GAS G3: 4" GAS G4: 2" GAS G5: 8" GAS G6: 36" GAS
▬▬▬▬	PROPOSED STORM DRAIN



INDEX MAP

NOTICE TO CONTRACTOR

1. THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN APPROXIMATELY ONLY AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR ITS REPRESENTATIVE. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK, AND AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.
2. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONTACT UNDERGROUND SERVICE ALERT (PHONE: 1-800-227-2600) 48 HOURS IN ADVANCE OF ANY EXCAVATION FOR THE MARK-OUT OF THE LOCATION OF UTILITIES AND NOTIFICATION OF COMMENCEMENT OF WORK.
3. CONTRACTOR WILL MAKE EXPLORATION EXCAVATIONS AND LOCATE EXISTING UNDERGROUND FACILITIES SUFFICIENTLY AHEAD OF CONSTRUCTION TO PERMIT REVISIONS TO PLANS IF REVISIONS ARE NECESSARY. NOTIFY THE ENGINEER OF WORK IF ANY DISCREPANCIES IN UTILITY LINE LOCATIONS ARE FOUND.
4. LOCATION AND ELEVATION OF IMPROVEMENTS TO BE MET BY WORK TO BE DONE SHALL BE CONFIRMED BY FIELD MEASUREMENTS PRIOR TO CONSTRUCTION OF NEW WORK.
5. CONTRACTOR IS REQUIRED TO TAKE PRECAUTIONARY MEASURES TO PROTECT THE UTILITY LINES SHOWN HEREON AND ANY OTHER EXISTING LINES NOT OF RECORD OR NOT SHOWN ON THESE PLANS.

UTILITY COMPANIES	EMERGENCY NUMBERS
RIVERSIDE COUNTY FLOOD CONTROL & WATER CONSERVATION DISTRICT	(951) 928-3777
JURUPA COMMUNITY SERVICES DISTRICT (JCSD)	(951) 928-3777
RUBIDOUX COMMUNITY SERVICES DISTRICT	(951) 748-6656
SOUTHERN CALIFORNIA EDISON COMPANY (SCE)	(951) 928-8234
SOUTHERN CALIFORNIA GAS COMPANY (SCG)	(951) 335-7631
CHARTER COMMUNICATIONS	(951) 791-9365
TRAFFIC SIGNAL MAINTENANCE (COUNTY)	(951) 413-3140
UNDERGROUND SERVICE ALERT	(951) 227-2600
RIVERSIDE TRANSIT AGENCY	(951) 565-5164
LANDSCAPE & LIGHTING MAINTENANCE DISTRICT	(951) 955-6767
A T & T CALIFORNIA	(951) 413-3500

SHEET INDEX

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CITY OF JURUPA VALLEY
ENGINEERING DEPARTMENT
APPROVED BY:

STEVE R. LORISO, CITY ENGINEER — DATE
RCE 64701

CITY OF JURUPA VALLEY
ENGINEERING DEPARTMENT
RECOMMENDED BY:

CHASE KEYS, ASSISTANT ENGINEER — DATE

NO WORK SHALL BE DONE ON THIS SITE UNTIL BELOW AGENCY IS NOTIFIED OF INTENTION TO GRADE OR EXCAVATE.

Underground Service Alert
Call: TOLL FREE
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227-2600
TWO WORKING DAYS BEFORE YOU DIG

8930 LIMONITE AVE
JURUPA VALLEY, CA 92509
TEL: (951) 332-6464
EMAIL: ENGINEERING@JURUPAVALLEY.ORG

IMPORTANT NOTE:
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MARK	DATE	INITIAL	DESCRIPTION	REC.	APPR	DATE
		E.O.R.	REVISION			

BENCHMARK:
LF 620 (NGS PID DX5475)
ELEVATION = 726.03 (NAVD 88)
MWDSC 3-1/4 INCH ALUMINUM DISK
SET FLUSH STAMPED LF 620 1992

BASIS OF BEARING:
GRID NORTH FOR CALIFORNIA COORDINATE SYSTEM NAD 83, ZONE 6

ENGINEER OF RECORD'S SEAL
REGISTERED PROFESSIONAL ENGINEER
MICHAEL D. MYERS
No. 30702
CIVIL
STATE OF CALIFORNIA

HRGreen
HR GREEN PACIFIC, INC.
1260 CORONA POINTE COURT
SUITE 305
CORONA, CA 92879
TELE: (855) 900-4742
FAX: (855) 641-5877

PLANS PREPARED UNDER THE SUPERVISION OF:

MICHAEL D. MYERS — R.C.E. 30702 — DATE

CITY OF JURUPA VALLEY

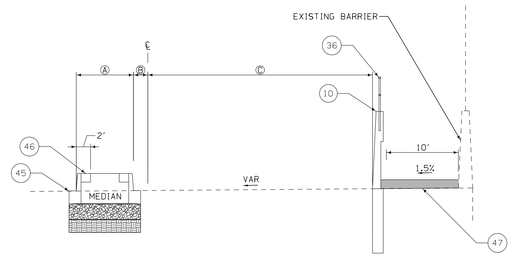
LIMONITE AVENUE STREET IMPROVEMENT PROJECT
PHASE 2 BAIN STREET TO HOMESTEAD STREET
##/##/2018

TITLE SHEET

ACCT. NO. XXX.XXXX.XXXXX

SHEET 1 OF 57

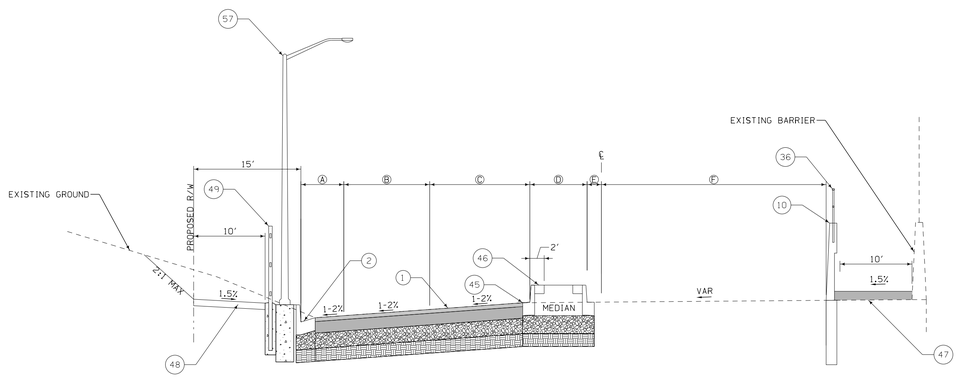
CITY I.D. NO.
17-B.2



WIDTH TRANSITIONS				
BEGIN STATION	END STATION	Ⓐ Feet	Ⓑ Feet	Ⓒ Feet
18+40.46	19+13.95	8	2.33	26.67

LIMONITE AVENUE

NOT TO SCALE



WIDTH TRANSITIONS							
BEGIN STATION	END STATION	Ⓐ Feet	Ⓑ Feet	Ⓒ Feet	Ⓓ Feet	Ⓔ Feet	Ⓕ Feet
19+13.95	19+33.32	2	12	13.67	8	2.33	26.67
19+33.32	19+86.35	2-2.42	12	13.67-13.70	8	2.33-1.84	26.67

LIMONITE AVENUE

NOT TO SCALE

CONSTRUCTION NOTES

1. REMOVE THE EXISTING AND CONSTRUCT WITH 0.55' H.M.A. OVER 1.30' CLASS 2 BASE OVER 0.5' SCARIFIED SUBGRADE
2. TYPE A2-8 CURB
3. CONSTRUCT TYPE A-8 CURB & GUTTER PER RIVERSIDE CO. STD. NO. 201
4. CONSTRUCT LOCAL DEPRESSION PER RIVERSIDE CO. STD. NO. 311
5. CONSTRUCT STORM SEWER MANHOLE
6. CONSTRUCT RESIDENTIAL DRIVEWAY APPROACH PER RIVERSIDE CO. STD. NO. 213 (NO S/W) SEE DETAIL ON SHEET 4
7. CONSTRUCT CURB INLET CATCH BASIN PER RIVERSIDE CO. STD. NO. 300 ("W" PER PLAN)
8. CONSTRUCT SIDEWALK PER RIVERSIDE CO. STD. NO. 401
9. CONSTRUCT CURB RAMP PER CALTRANS STD. PLAN RSP A88A
10. CONSTRUCT CONCRETE BARRIER TYP. 736 OR 736B PER CALTRANS STD. PLAN RSP B11-56
11. PROTECT GAS VALVE
12. PROTECT EXISTING POWER POLE
13. PROTECT EXISTING GUY ANCHOR
14. PROTECT EXISTING FIRE HYDRANT
15. PROTECT EXISTING UTILITY BOX
16. REMOVE EXISTING REFLECTOR POST
17. REMOVE EXISTING STORM SEWER MANHOLE BY CONTRACTOR
18. REMOVE AND RELOCATE EXISTING STRUCTURE
19. REMOVE EXISTING TREE
20. REMOVE AND RELOCATE EXISTING FENCE
21. REMOVE EXISTING GUARDRAIL
22. REMOVE AND REPLACE TRAFFIC SIGNAL PER TRAFFIC SIGNAL PLAN
23. REMOVE AND REPLACE EXISTING MAIL BOX SEE PLACEMENT DETAIL ON SHEET 4
24. RELOCATE EXISTING TRAFFIC SIGNAL POLE, PB, ETC. PER TRAFFIC SIGNAL PLAN
25. RELOCATE EXISTING FIRE HYDRANT BY JCSD
26. RELOCATE EXISTING SEWER FORCE MAIN MARKER BY JCSD
27. RELOCATE EXISTING TRAFFIC SIGN PER SIGNING & STRIPING PLAN
28. RELOCATE EXISTING SIGN
29. RELOCATE EXISTING UTILITY VAULT BY CONTRACTOR
30. RELOCATE EXISTING UTILITY VAULT BY OTHERS
31. ADJUST EXISTING WATER VALVE CAN TO GRADE BY CONTRACTOR
32. ADJUST EXISTING SEWER MANHOLE TO GRADE BY CONTRACTOR
33. ADJUST EXISTING WATER METER TO GRADE BY CONTRACTOR
34. ADJUST EXISTING GAS VALVE/ETS/ECS CAN TO GRADE BY CONTRACTOR
35. REMOVE AND RELOCATE EXISTING GATE
36. CONSTRUCT TUBULAR HAND RAILING PER CALTRANS STD. PAN RSP B11-51
37. CONSTRUCT MIDWEST GUARDRAIL SYSTEM PER CALTRANS STD. PLAN A77D1 AND ALL ASSOCIATED STD. PLANS
38. ADJUST EXISTING UTILITY VAULT BY CONTRACTOR
39. ADJUST EXISTING UTILITY VAULT BY OTHERS
40. ADJUST EXISTING MONITORING WELLS TO GRADE BY CONTRACTOR
41. REMOVE EXISTING CONCRETE PAD
42. RELOCATE EXISTING POWER POLE BY SCE
43. REMOVE EXISTING 30" STORM DRAIN
44. REMOVE EXISTING CATCH BASIN BY CONTRACTOR
45. TYPE A2-8 CURB, MODIFIED 1' GUTTER SECTION
46. CONCRETE MAINTENANCE WALK, 4" THICK
47. CONSTRUCT 10' WIDE MULTI-PURPOSE CONCRETE TRAIL, 4" MINIMUM THICKNESS
48. CONSTRUCT 10' WIDE MULTI-PURPOSE DG TRAIL, 4" MINIMUM THICKNESS
49. SPLIT RAIL PVC FENCE, RIVERSIDE CO. STD. NO. 405
50. RELOCATE 6' CHAIN LINK FENCE WITH BARBED WIRE POST TOP
51. RELOCATE 6' CHAIN LINK FENCE
52. RELOCATE 4' CHAIN LINK FENCE
53. RELOCATE METAL POST WIRE MESH FENCE
54. RELOCATE 4' BARBED WIRE FENCE
55. CONSTRUCT GUTTER ONLY (SEE DETAIL ON SHEET 4)
56. INSTALL SHOULDER BACKING
57. STREET LIGHT (120 VOLT, 250 WATT H.P.S.V. 22,000 LUMEN) PER RIVERSIDE CO. STD. NO. 1001 BY OTHERS
58. TBD
59. TBD
60. PROTECT EXISTING STRIPING, MARKING, OR SIGN
61. SANDBLAST CONFLICTING STRIPING AS SHOWN ON PLANS
62. PAINT 4" SOLID WHITE LANELINE
63. PAINT 4" DASHED WHITE LANELINE PER CALTRANS STANDARD PLANS, PLAN NO. A20A, DETAIL 12
64. PAINT 4"/4" DOUBLE SOLID YELLOW STRIPE PER CALTRANS STANDARD PLANS, PLAN NO. A20A, DETAIL 22
65. PAINT 4" SOLID WHITE EDGELINE PER CALTRANS STANDARD PLANS, PLAN NO. A20B, DETAIL 27B
66. PAINT MEDIAN ISLAND PER CALTRANS STANDARD PLANS, PLAN NO. A20B, DETAIL 29
67. PAINT TWO-WAY LEFT TURN LANE PER CALTRANS STANDARD PLANS, PLAN NO. A20B, DETAIL 32
68. PAINT 8" SOLID WHITE CHANNELIZING LINE PER CALTRANS STANDARD PLANS, PLAN NO. A20D, DETAIL 38
69. PAINT 8" DASHED WHITE LANE DROP LINE PER CALTRANS STANDARD PLANS, PLAN NO. A20C, DETAIL 37B
70. APPLY THERMOPLASTIC ARROW MARKING PER CALTRANS STANDARD PLANS, PLAN NO. A24A
71. APPLY THERMOPLASTIC PAVEMENT LEGEND PER CALTRANS STANDARD PLANS, PLAN NO. A24D
72. APPLY THERMOPLASTIC 12" SOLID WHITE LIMIT LINE PER CALTRANS STANDARD PLANS, PLAN NO. A24E
73. APPLY THERMOPLASTIC 12" SOLID WHITE BASIC CROSSWALK PER CALTRANS STANDARD PLANS, PLAN NO. A24F
74. REMOVE AND SALVAGE EXISTING SIGN TO CITY YARD
75. INSTALL SIGN (STANDARD SIZE OR AS INDICATED) PER CA-MUTCD

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BENCHMARK:
SEE SHEET 1

BASIS OF BEARING:
SEE SHEET 1

ENGINEER OF RECORD'S SEAL
REGISTERED PROFESSIONAL ENGINEER
MICHAEL D. MYERS
No. 30702
CIVIL
STATE OF CALIFORNIA

HRGreen
HR GREEN PACIFIC, INC.
1260 CORONA POINTE COURT
SUITE 305
CORONA, CA 92879
TELE: (855) 900-4742
FAX: (855) 641-5877

PLANS PREPARED UNDER THE SUPERVISION OF:

MICHAEL D. MYERS R.C.E. 30702 DATE

CITY OF JURUPA VALLEY

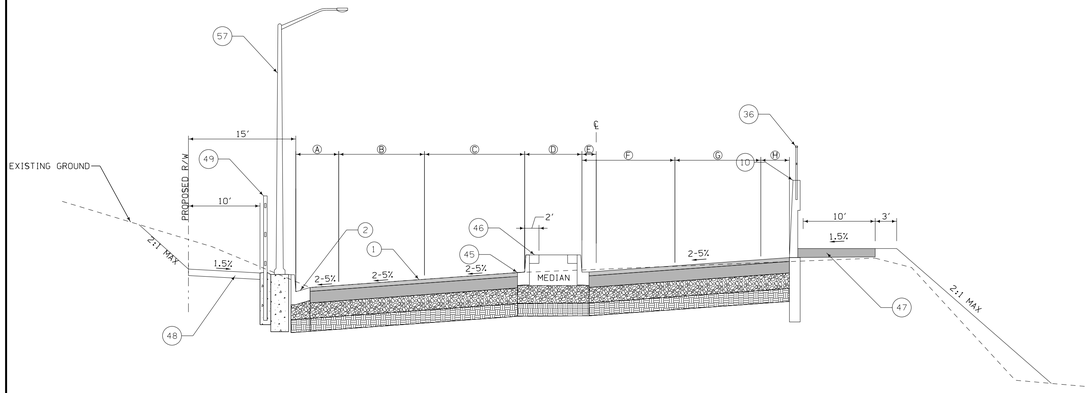
LIMONITE AVENUE STREET IMPROVEMENT PROJECT
PHASE 2 BAIN STREET TO HOMESTEAD STREET

TYPICAL SECTIONS & CONSTRUCTION NOTES

ACCT. NO. XXX.XXXX.XXXXX

SHEET 2 OF 57

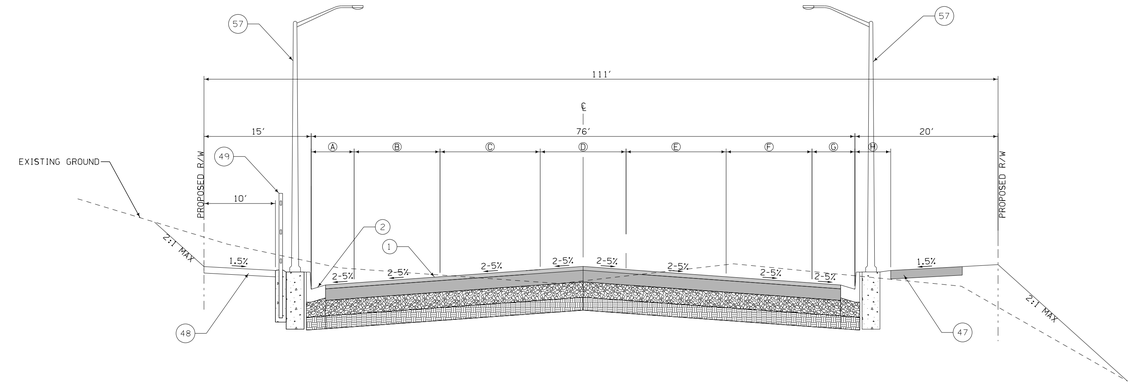
CITY I.D. NO.
17-B.2



WIDTH TRANSITIONS									
BEGIN STATION	END STATION	A Feet	B Feet	C Feet	D Feet	E Feet	F Feet	G Feet	H Feet
19+86.35	20+65.00	2.42-3.38	12	13.70-13.80	8-8.10	1.84-0.65	13-13.36	12	4-6

LIMONITE AVENUE

NOT TO SCALE



WIDTH TRANSITIONS									
BEGIN STATION	END STATION	A Feet	B Feet	C Feet	D Feet	E Feet	F Feet	G Feet	H Feet
23+98.00	25+95.78	6	12	14	9.88-12	14	12	6	VAR
29+16.28	33+95.15	6	12	14	12	14	12	6	5
43+56.18	44+50.00	6	12	14	12	14	12	6	5

LIMONITE AVENUE

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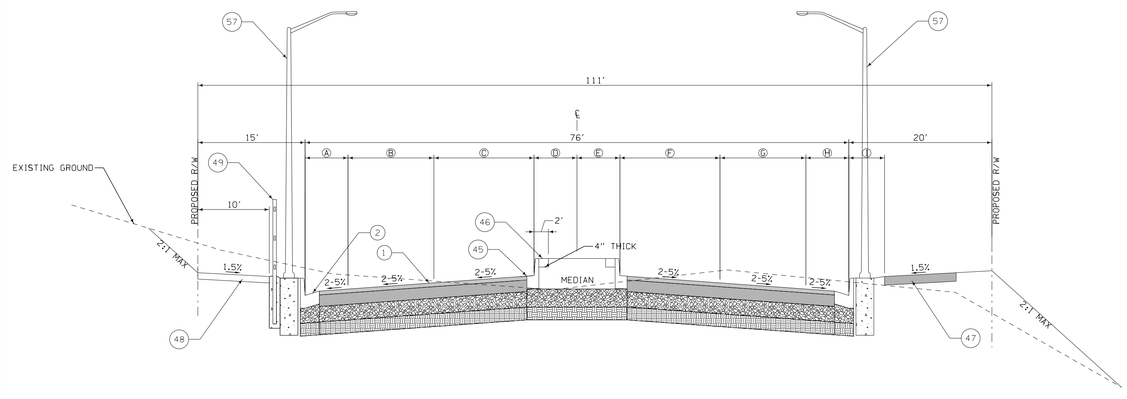

WIDTH TRANSITIONS										
BEGIN STATION	END STATION	A Feet	B Feet	C Feet	D Feet	E Feet	F Feet	G Feet	H Feet	I Feet
20+65.00	23+98.00	3.38-6	12	13.80-14	8.10-9.88	-0.65-3.88	13.36-14	12	6	VAR
25+96.79	29+16.28	6	12	14	VAR	VAR	14	12	6	5
33+95.15	43+56.18	6	12	14	6	6	14	12	6	5

LIMONITE AVENUE

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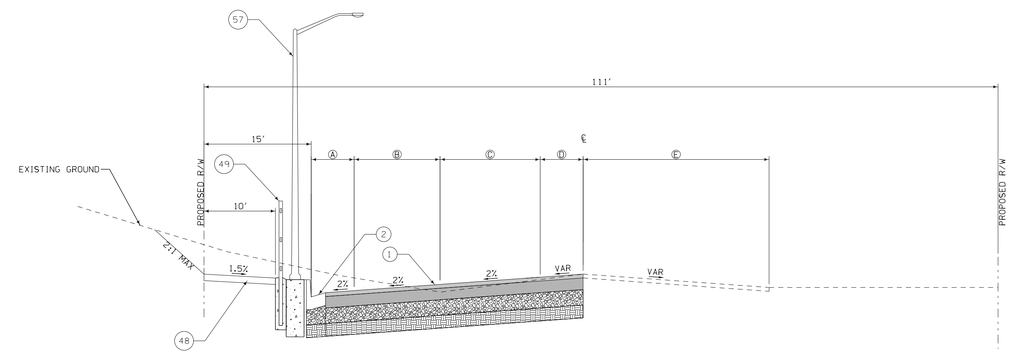

WIDTH TRANSITIONS						
BEGIN STATION	END STATION	A Feet	B Feet	C Feet	D Feet	E Feet
44+50.00	54+85.00	6	12	14	6	VAR

LIMONITE AVENUE

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PHASE 2 BAIN STREET TO HOMESTEAD STREET

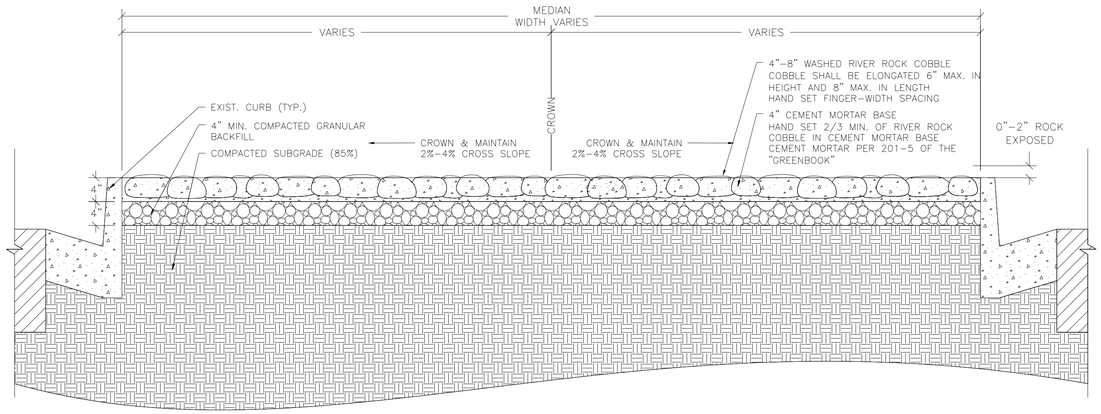
TYPICAL SECTIONS & CONSTRUCTION NOTES

ACCT. NO. XXX.XXXX.XXXXX

SHEET 3 OF 57

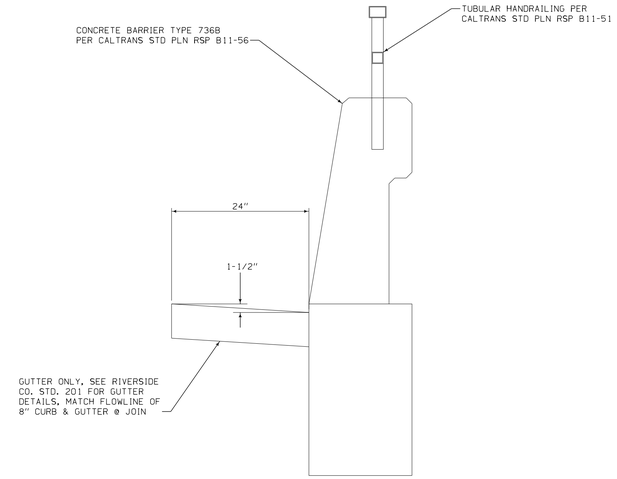
CITY I.D. NO.
17-B.2

NOTE:
AFTER COBBLE IN CONCRETE MORTAR HAS SET, PRESSURE WASH ALL DIRT AND CONCRETE FROM COBBLE, LET DRY, AND APPLY 2 COATS OF CLEAR MASONRY SEALER



MEDIAN DETAIL

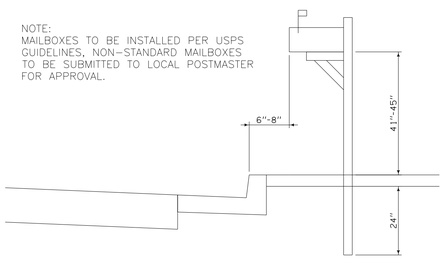
NOT TO SCALE



GUTTER @ CONCRETE BARRIER DETAIL

NOT TO SCALE

NOTE:
MAILBOXES TO BE INSTALLED PER USPS GUIDELINES, NON-STANDARD MAILBOXES TO BE SUBMITTED TO LOCAL POSTMASTER FOR APPROVAL.



TYPICAL MAILBOX PLACEMENT

NOT TO SCALE

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Underground Service Alert
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JURUPA VALLEY, CA 92509
TEL: (951) 332-6464
EMAIL: ENGINEERING@JURUPAVALLEY.ORG

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MARK	DATE	INITIAL	DESCRIPTION	REC.	APPR	DATE
		E.O.R.	REVISION			

BENCHMARK:
SEE SHEET 1

BASIS OF BEARING:
SEE SHEET 1

ENGINEER OF RECORD'S SEAL
REGISTERED PROFESSIONAL ENGINEER
MICHAEL D. MYERS
No. 30702
CIVIL
STATE OF CALIFORNIA

HRGreen
HR GREEN PACIFIC, INC.
1260 CORONA POINTE COURT
SUITE 305
CORONA, CA 92879
TELE: (855) 900-4742
FAX: (855) 641-5877

PLANS PREPARED UNDER THE SUPERVISION OF:

MICHAEL D. MYERS R.C.E. 30702 DATE

CITY OF JURUPA VALLEY

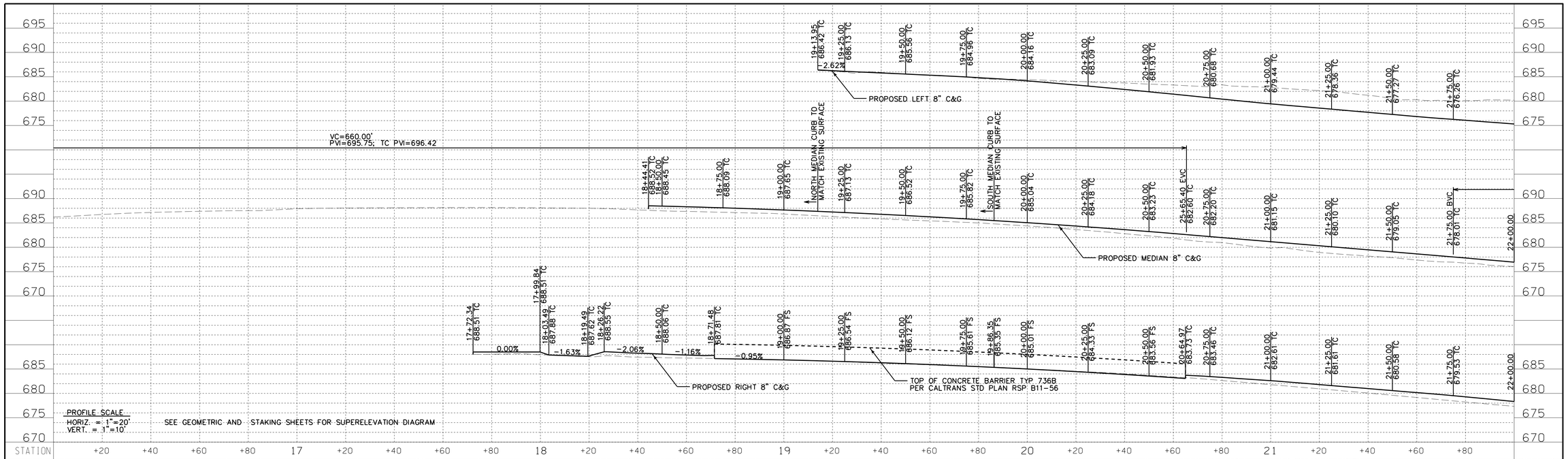
LIMONITE AVENUE STREET IMPROVEMENT PROJECT
PHASE 2 BAIN STREET TO HOMESTEAD STREET

DETAIL SHEET

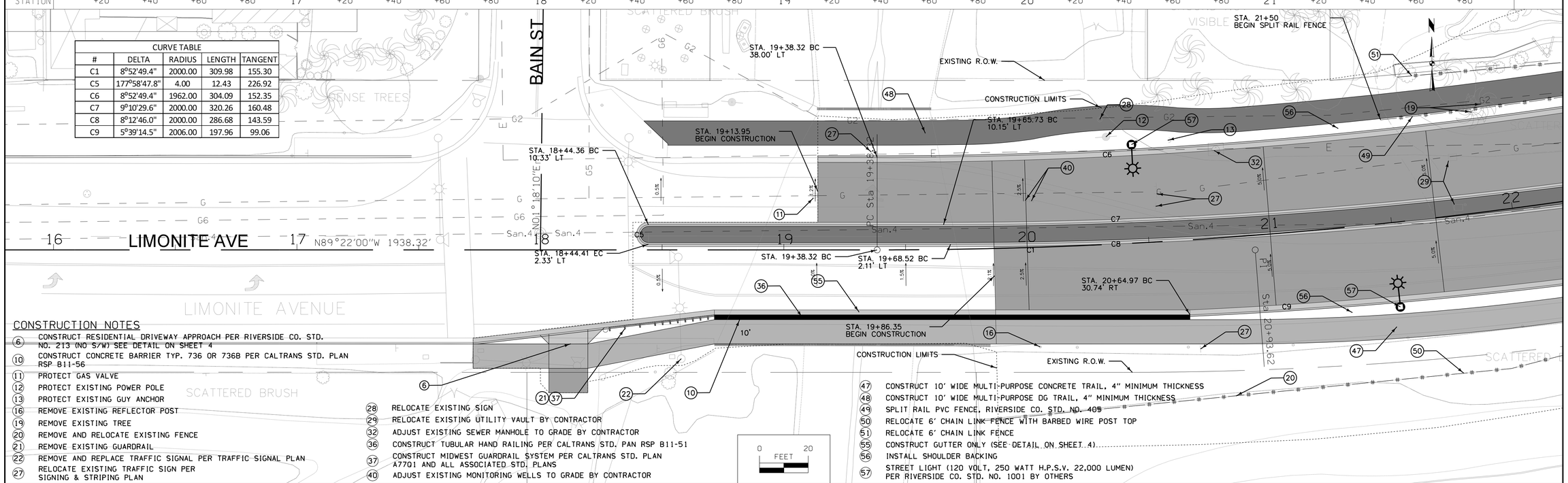
ACCT. NO. XXX.XXXX.XXXXX

SHEET 4 OF 57

CITY I.D. NO.
17-B.2



CURVE TABLE				
#	DELTA	RADIUS	LENGTH	TANGENT
C1	8°52'49.4"	2000.00	309.98	155.30
C5	177°58'47.8"	4.00	12.43	226.92
C6	8°52'49.4"	1962.00	304.09	152.35
C7	9°10'29.6"	2000.00	320.26	160.48
C8	8°12'46.0"	2000.00	286.68	143.59
C9	5°39'14.5"	2006.00	197.96	99.06



CONSTRUCTION NOTES

- (6) CONSTRUCT RESIDENTIAL DRIVEWAY APPROACH PER RIVERSIDE CO. STD. NO. 213 (NO S/W) SEE DETAIL ON SHEET 4
- (10) CONSTRUCT CONCRETE BARRIER TYP. 736 OR 736B PER CALTRANS STD. PLAN RSP B11-56
- (11) PROTECT GAS VALVE
- (12) PROTECT EXISTING POWER POLE
- (13) PROTECT EXISTING GUY ANCHOR
- (16) REMOVE EXISTING REFLECTOR POST
- (19) REMOVE EXISTING TREE
- (20) REMOVE AND RELOCATE EXISTING FENCE
- (21) REMOVE EXISTING GUARDRAIL
- (22) REMOVE AND REPLACE TRAFFIC SIGNAL PER TRAFFIC SIGNAL PLAN
- (27) RELOCATE EXISTING TRAFFIC SIGN PER SIGNING & STRIPING PLAN
- (28) RELOCATE EXISTING SIGN
- (29) RELOCATE EXISTING UTILITY VAULT BY CONTRACTOR
- (32) ADJUST EXISTING SEWER MANHOLE TO GRADE BY CONTRACTOR
- (36) CONSTRUCT TUBULAR HAND RAILING PER CALTRANS STD. PAN RSP B11-51
- (37) CONSTRUCT MIDWEST GUARDRAIL SYSTEM PER CALTRANS STD. PLAN A77Q1 AND ALL ASSOCIATED STD. PLANS
- (40) ADJUST EXISTING MONITORING WELLS TO GRADE BY CONTRACTOR
- (47) CONSTRUCT 10' WIDE MULTI-PURPOSE CONCRETE TRAIL, 4" MINIMUM THICKNESS
- (48) CONSTRUCT 10' WIDE MULTI-PURPOSE DG TRAIL, 4" MINIMUM THICKNESS
- (49) SPLIT RAIL PVC FENCE, RIVERSIDE CO. STD. NO. 405
- (50) RELOCATE 6' CHAIN LINK FENCE WITH BARBED WIRE POST TOP
- (51) RELOCATE 6' CHAIN LINK FENCE
- (55) CONSTRUCT GUTTER ONLY (SEE DETAIL ON SHEET 4)
- (56) INSTALL SHOULDER BACKING
- (57) STREET LIGHT (120 VOLT, 250 WATT H.P.S.V. 22,000 LUMEN) PER RIVERSIDE CO. STD. NO. 1001 BY OTHERS

0 20 FEET

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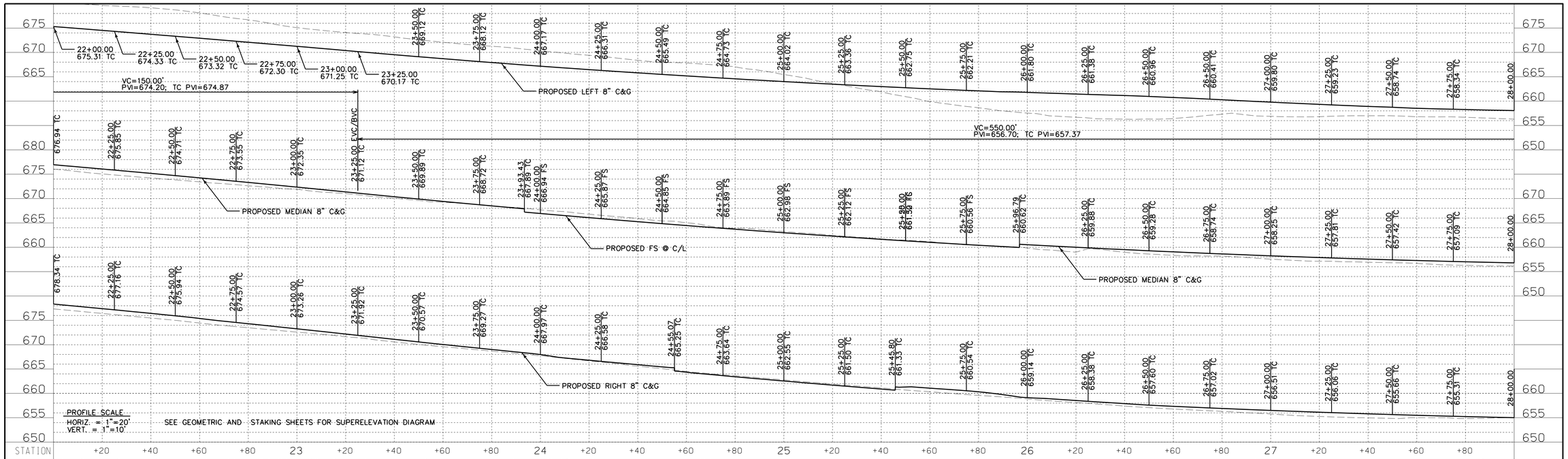
LIMONITE AVENUE STREET IMPROVEMENT PROJECT
PHASE 2 BAIN STREET TO HOMESTEAD STREET
STA. 16+00.00 TO STA. 22+00.00

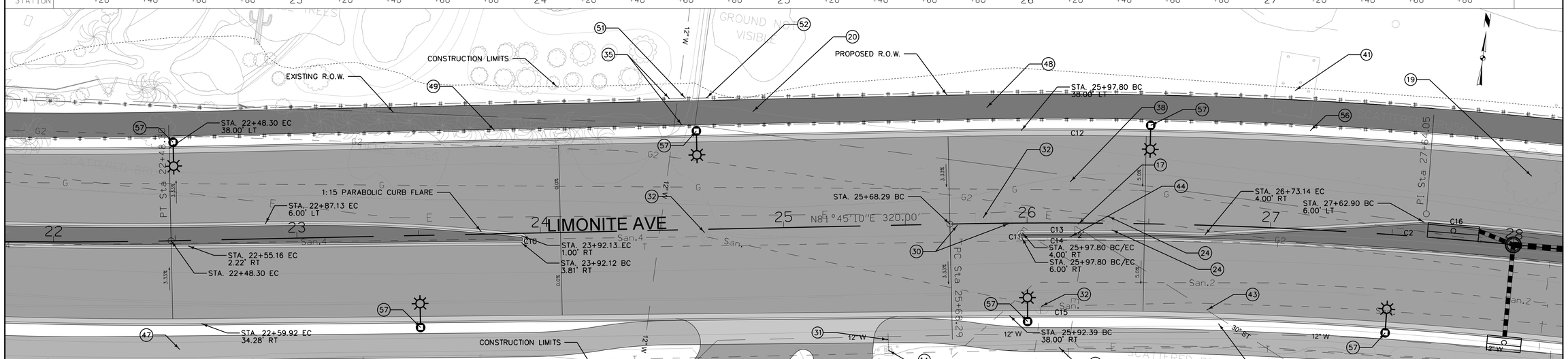
PLAN AND PROFILE SHEET

ACCT. NO. XXX.XXXX.XXXXX

SHEET 5 OF 57

CITY I.D. NO.
17-B.2





CURVE TABLE				
#	DELTA	RADIUS	LENGTH	TANGENT
C2	11°10'51.58"	2000.00	390.29	195.77
C10	171°17'23.6"	1.41	4.22	18.51
C11	180°0'0.0"	1.00	3.14	-
C12	4°43'46.8"	2038.00	168.23	84.16
C13	2°9'33.0"	1996.00	75.22	37.61
C14	8°57'16.0"	1994.00	311.63	156.13
C15	9°6'33.9"	1962.00	311.94	156.30
C16	4°13'10.3"	2006.00	147.73	73.90

CONSTRUCTION NOTES

(14) PROTECT EXISTING FIRE HYDRANT
(15) PROTECT EXISTING UTILITY BOX
(17) REMOVE EXISTING STORM SEWER MANHOLE BY CONTRACTOR
(19) REMOVE EXISTING TREE
(20) REMOVE AND RELOCATE EXISTING FENCE
(24) RELOCATE EXISTING TRAFFIC SIGNAL POLE, PB, ETC. PER TRAFFIC SIGNAL PLAN
(30) RELOCATE EXISTING UTILITY VAULT BY OTHERS
(31) ADJUST EXISTING WATER VALVE CAN TO GRADE BY CONTRACTOR
(32) ADJUST EXISTING SEWER MANHOLE TO GRADE BY CONTRACTOR
(38) ADJUST EXISTING UTILITY VAULT BY CONTRACTOR
(41) REMOVE EXISTING CONCRETE PAD
(43) REMOVE EXISTING 30" STORM DRAIN
(44) REMOVE EXISTING CATCH BASIN BY CONTRACTOR
(47) CONSTRUCT 10' WIDE MULTI-PURPOSE CONCRETE TRAIL, 4" MINIMUM THICKNESS
(48) CONSTRUCT 10' WIDE MULTI-PURPOSE DG TRAIL, 4" MINIMUM THICKNESS
(49) SPLIT RAIL PVC FENCE, RIVERSIDE CO. STD. NO. 405
(50) RELOCATE 6' CHAIN LINK FENCE WITH BARBED WIRE POST TOP
(51) RELOCATE 6' CHAIN LINK FENCE
(52) RELOCATE 4' CHAIN LINK FENCE
(55) CONSTRUCT GUTTER ONLY (SEE DETAIL ON SHEET 4)
(56) INSTALL SHOULDER BACKING
(57) STREET LIGHT (120 VOLT, 250 WATT H.P.S.V. 22,000 LUMEN) PER RIVERSIDE CO. STD. NO. 1001 BY OTHERS

0 20 FEET

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JURUPA VALLEY, CA 92509
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REGISTERED PROFESSIONAL ENGINEER
MITCHAEL D. MYERS
No. 30702
CIVIL
STATE OF CALIFORNIA

HRGreen
HR GREEN PACIFIC, INC.
1260 CORONA POINTE COURT
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CORONA, CA 92879
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FAX: (855) 641-5877

PLANS PREPARED UNDER THE SUPERVISION OF:
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CITY OF JURUPA VALLEY

LIMONITE AVENUE STREET IMPROVEMENT PROJECT
PHASE 2 BAIN STREET TO HOMESTEAD STREET
STA. 22+00.00 TO STA. 28+00.00

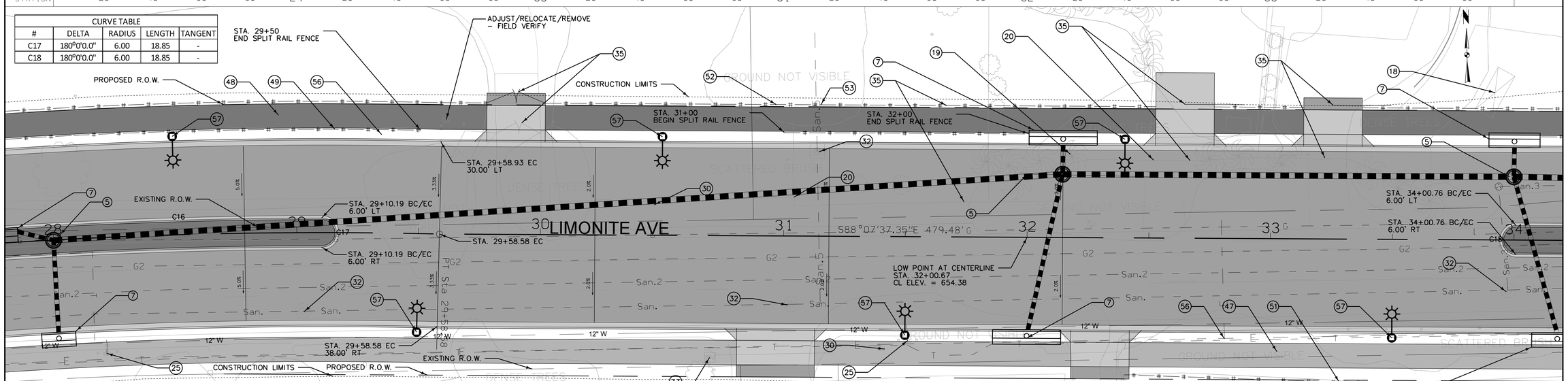
PLAN AND PROFILE SHEET

ACCT. NO. XXX.XXXX.XXXXX

SHEET 6 OF 57

CITY I.D. NO.
17-B.2

CURVE TABLE				
#	DELTA	RADIUS	LENGTH	TANGENT
C17	180°0'0.0"	6.00	18.85	-
C18	180°0'0.0"	6.00	18.85	-



CONSTRUCTION NOTES

- (5) CONSTRUCT STORM SEWER MANHOLE
- (7) CONSTRUCT CURB INLET CATCH BASIN PER RIVERSIDE CO. STD. NO. 300 ("W" PER PLAN)
- (18) REMOVE AND RELOCATE EXISTING STRUCTURE
- (19) REMOVE EXISTING TREE
- (20) REMOVE AND RELOCATE EXISTING FENCE
- (25) RELOCATE EXISTING FIRE HYDRANT BY JCSD
- (30) RELOCATE EXISTING UTILITY VAULT BY OTHERS
- (32) ADJUST EXISTING SEWER MANHOLE TO GRADE BY CONTRACTOR
- (33) ADJUST EXISTING WATER METER TO GRADE BY CONTRACTOR
- (35) REMOVE AND RELOCATE EXISTING GATE
- (47) CONSTRUCT 10' WIDE MULTI-PURPOSE CONCRETE TRAIL, 4" MINIMUM THICKNESS
- (48) CONSTRUCT 10' WIDE MULTI-PURPOSE DG TRAIL, 4" MINIMUM THICKNESS
- (49) SPLIT RAIL PVC FENCE, RIVERSIDE CO. STD. NO. 405
- (51) RELOCATE 6' CHAIN LINK FENCE
- (52) RELOCATE 4' CHAIN LINK FENCE
- (53) RELOCATE METAL POST WIRE MESH FENCE
- (56) INSTALL SHOULDER BACKING
- (57) STREET LIGHT (120 VOLT, 250 WATT H.P.S.V. 22,000 LUMEN) PER RIVERSIDE CO. STD. NO. 1001 BY OTHERS

0 FEET 20

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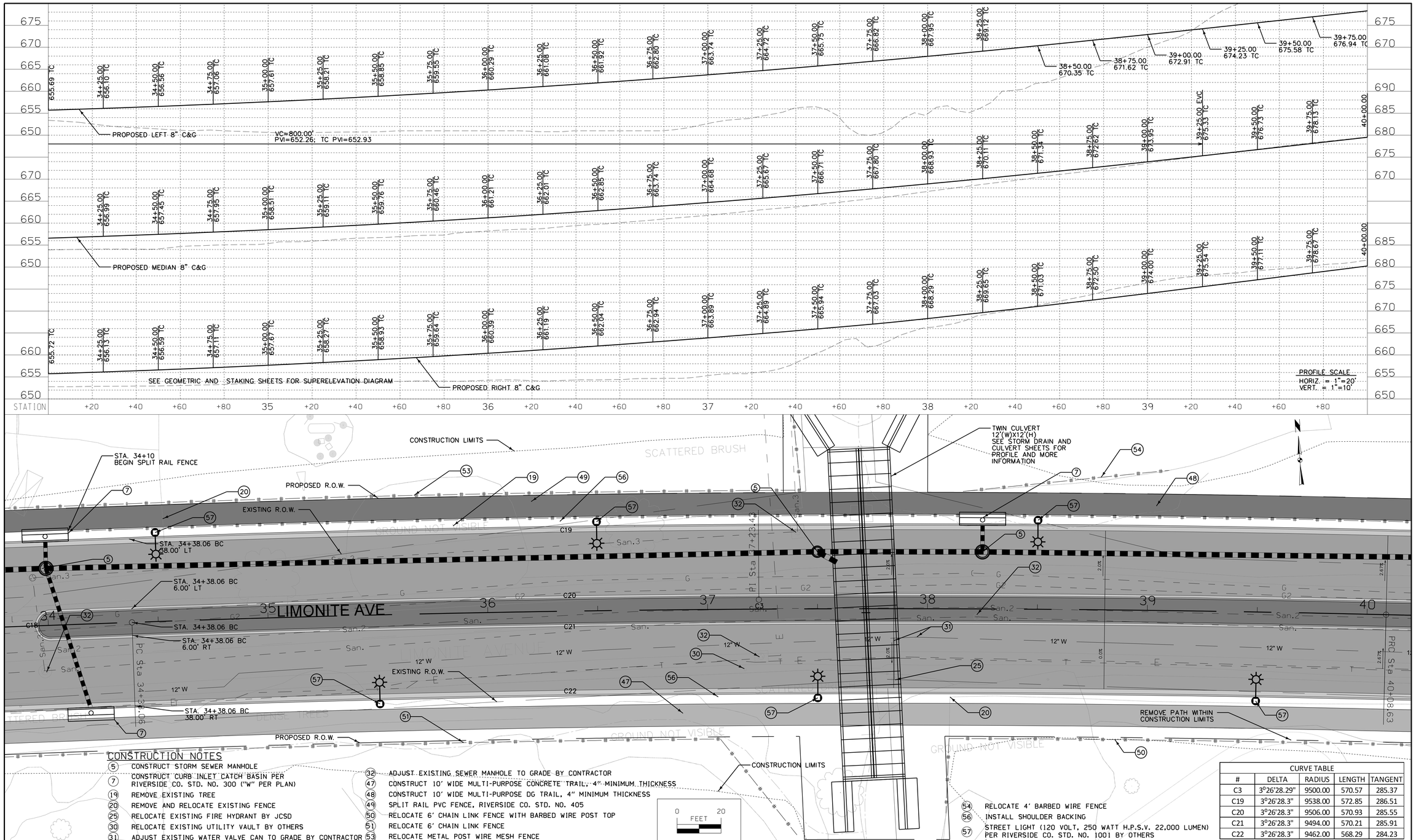
STA. 28+00.00 TO STA. 34+00.00

PLAN AND PROFILE SHEET

ACCT. NO. XXX.XXXX.XXXXX

SHEET 7 OF 57

CITY I.D. NO.
17-B.2



CONSTRUCTION NOTES

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(7) CONSTRUCT CURB INLET CATCH BASIN PER RIVERSIDE CO. STD. NO. 300 ("W" PER PLAN)
(19) REMOVE EXISTING TREE
(20) REMOVE AND RELOCATE EXISTING FENCE
(25) RELOCATE EXISTING FIRE HYDRANT BY JCSD
(30) RELOCATE EXISTING UTILITY VAULT BY OTHERS
(31) ADJUST EXISTING WATER VALVE CAN TO GRADE BY CONTRACTOR
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(57) STREET LIGHT (120 VOLT, 250 WATT H.P.S.V. 22,000 LUMEN) PER RIVERSIDE CO. STD. NO. 1001 BY OTHERS

CURVE TABLE				
#	DELTA	RADIUS	LENGTH	TANGENT
C3	3°26'28.29"	9500.00	570.57	285.37
C19	3°26'28.3"	9538.00	572.85	286.51
C20	3°26'28.3"	9506.00	570.93	285.55
C21	3°26'28.3"	9494.00	570.21	285.91
C22	3°26'28.3"	9462.00	568.29	284.23

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PLAN AND PROFILE SHEET

ACCT. NO. XXX.XXXX.XXXXX

SHEET 8 OF 57

CITY I.D. NO.
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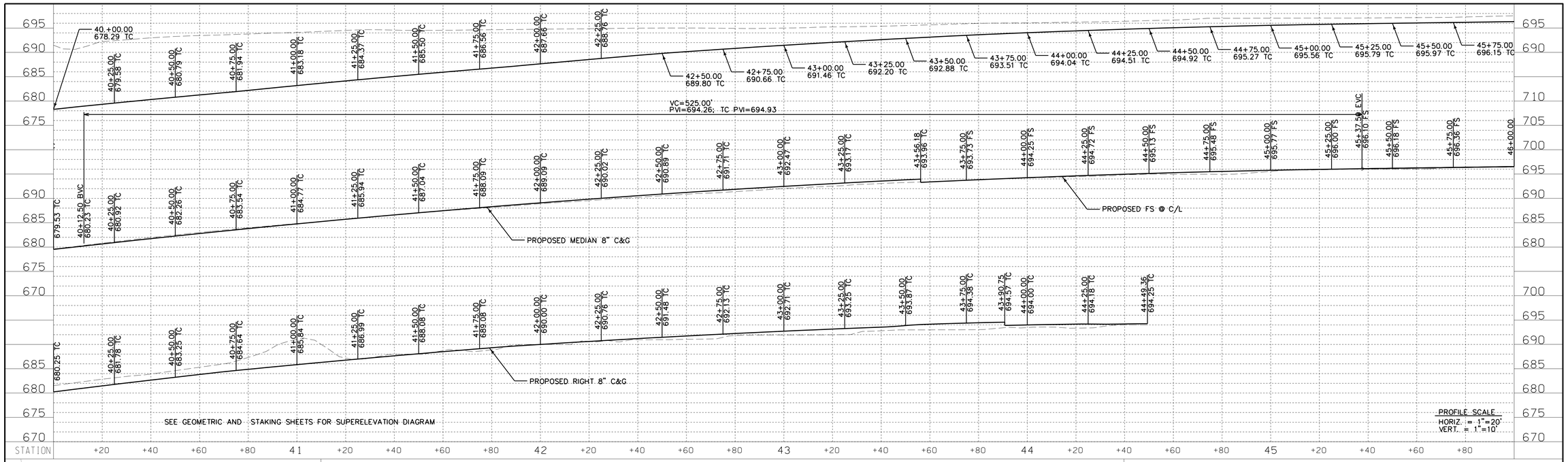

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- (15) PROTECT EXISTING UTILITY BOX
- (19) REMOVE EXISTING TREE
- (20) REMOVE AND RELOCATE EXISTING FENCE
- (23) REMOVE AND REPLACE EXISTING MAIL BOX SEE PLACEMENT DETAIL ON SHEET 4
- (25) RELOCATE EXISTING FIRE HYDRANT BY JCSD
- (30) RELOCATE EXISTING UTILITY VAULT BY OTHERS
- (31) ADJUST EXISTING WATER VALVE CAN TO GRADE BY CONTRACTOR
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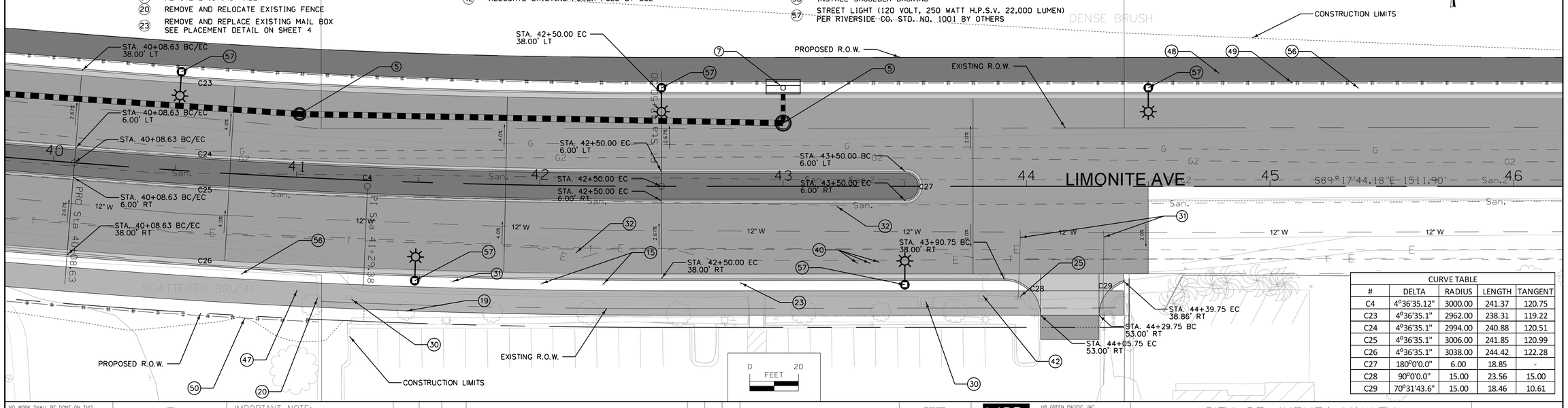

CURVE TABLE				
#	DELTA	RADIUS	LENGTH	TANGENT
C4	4°36'35.12"	3000.00	241.37	120.75
C23	4°36'35.1"	2962.00	238.31	119.22
C24	4°36'35.1"	2994.00	240.88	120.51
C25	4°36'35.1"	3006.00	241.85	120.99
C26	4°36'35.1"	3038.00	244.42	122.28
C27	180°0'0.0"	6.00	18.85	-
C28	90°0'0.0"	15.00	23.56	15.00
C29	70°31'43.6"	15.00	18.46	10.61

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PLAN AND PROFILE SHEET

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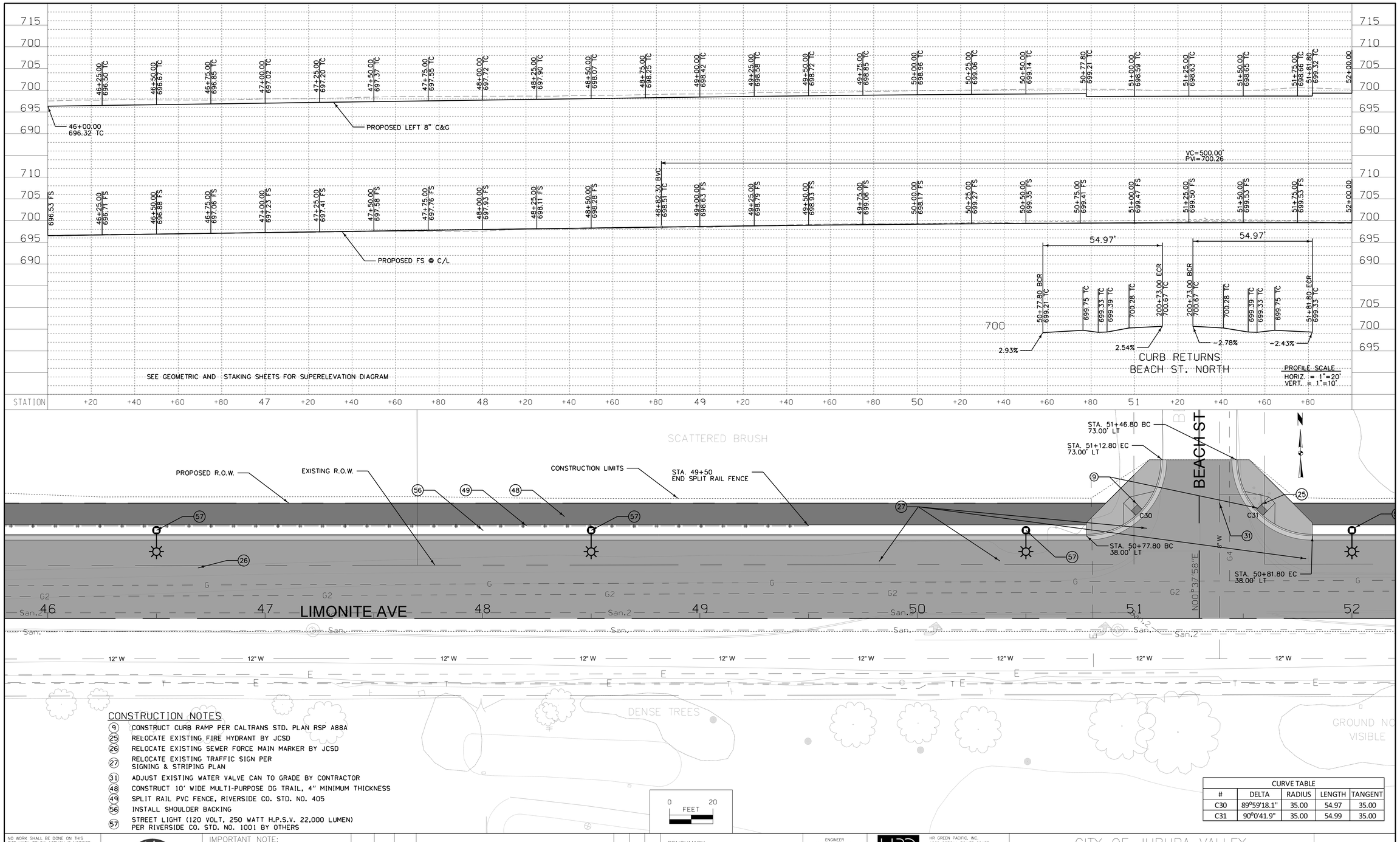
SHEET 9 OF 57

CITY I.D. NO.
17-B.2



CONSTRUCTION NOTES

9. CONSTRUCT CURB RAMP PER CALTRANS STD. PLAN RSP A88A
25. RELOCATE EXISTING FIRE HYDRANT BY JCSD
26. RELOCATE EXISTING SEWER FORCE MAIN MARKER BY JCSD
27. RELOCATE EXISTING TRAFFIC SIGN PER SIGNING & STRIPING PLAN
31. ADJUST EXISTING WATER VALVE CAN TO GRADE BY CONTRACTOR
48. CONSTRUCT 10' WIDE MULTI-PURPOSE DG TRAIL, 4" MINIMUM THICKNESS
49. SPLIT RAIL PVC FENCE, RIVERSIDE CO. STD. NO. 405
56. INSTALL SHOULDER BACKING
57. STREET LIGHT (120 VOLT, 250 WATT H.P.S.V. 22,000 LUMEN) PER RIVERSIDE CO. STD. NO. 1001 BY OTHERS

CURVE TABLE				
#	DELTA	RADIUS	LENGTH	TANGENT
C30	89°59'18.1"	35.00	54.97	35.00
C31	90°0'41.9"	35.00	54.99	35.00

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CITY OF JURUPA VALLEY
8930 LIMONITE AVE.
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TEL: (951) 332-6464
EMAIL: ENGINEERING@JURUPAVALLEY.ORG

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BENCHMARK:
SEE SHEET 1

BASIS OF BEARING:
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ENGINEER OF RECORD'S SEAL
REGISTERED PROFESSIONAL ENGINEER MICHAEL D. MYERS No. 30702 CIVIL STATE OF CALIFORNIA

HRGreen
HR GREEN PACIFIC, INC.
1260 CORONA POINTE COURT
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CORONA, CA 92879
TELE: (855) 900-4742
FAX: (855) 641-5877

PLANS PREPARED UNDER THE SUPERVISION OF:
MICHAEL D. MYERS R.C.E. 30702 DATE

CITY OF JURUPA VALLEY

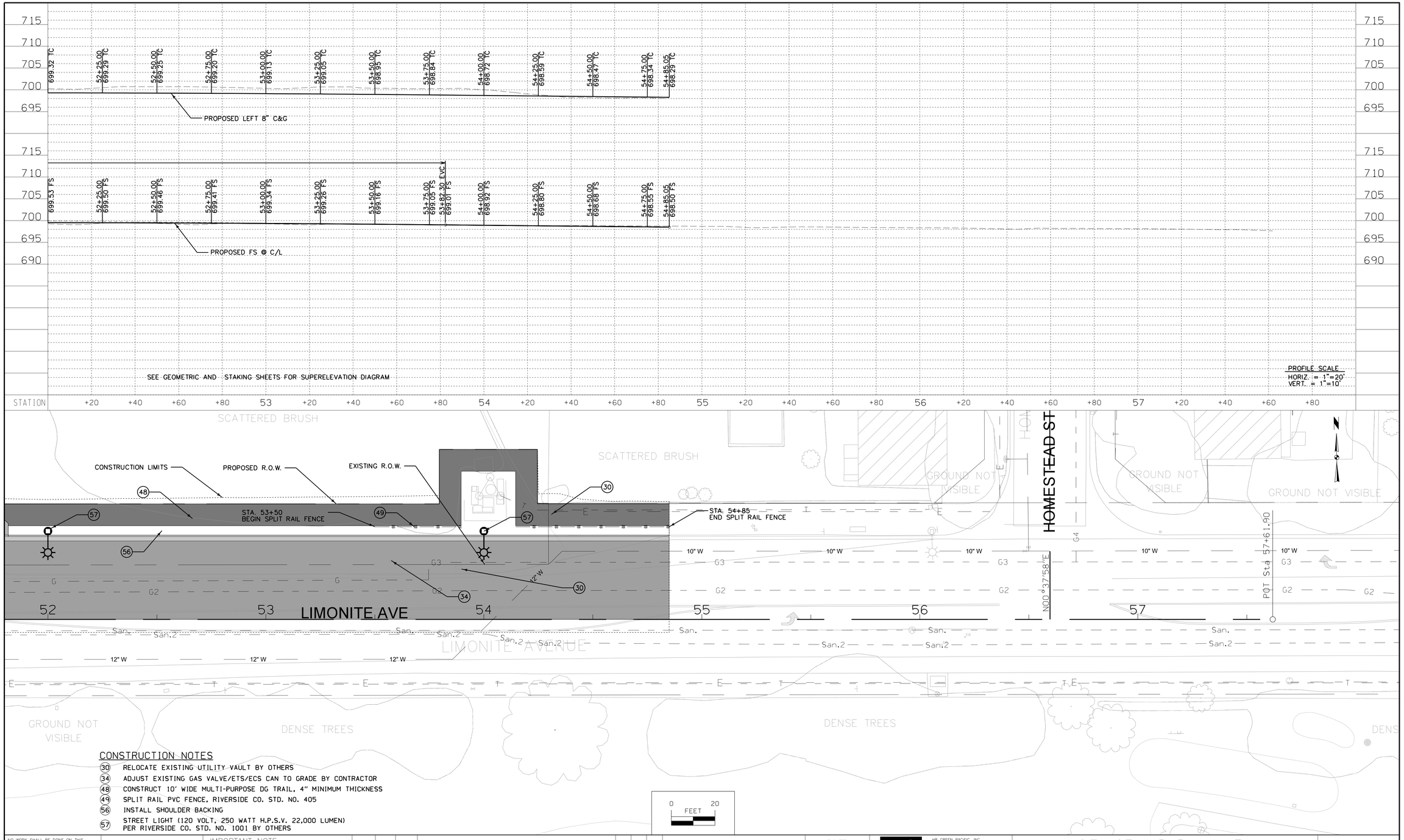
LIMONITE AVENUE STREET IMPROVEMENT PROJECT
PHASE 2 BAIN STREET TO HOMESTEAD STREET
STA. 46+00.00 TO STA. 52+00.00

PLAN AND PROFILE SHEET

ACCT. NO. XXX.XXXX.XXXXX

SHEET 10 OF 57

CITY I.D. NO.
17-B.2



CONSTRUCTION NOTES

30 RELOCATE EXISTING UTILITY VAULT BY OTHERS
34 ADJUST EXISTING GAS VALVE/ETS/ECS CAN TO GRADE BY CONTRACTOR
48 CONSTRUCT 10' WIDE MULTI-PURPOSE DG TRAIL, 4" MINIMUM THICKNESS
49 SPLIT RAIL PVC FENCE, RIVERSIDE CO. STD. NO. 405
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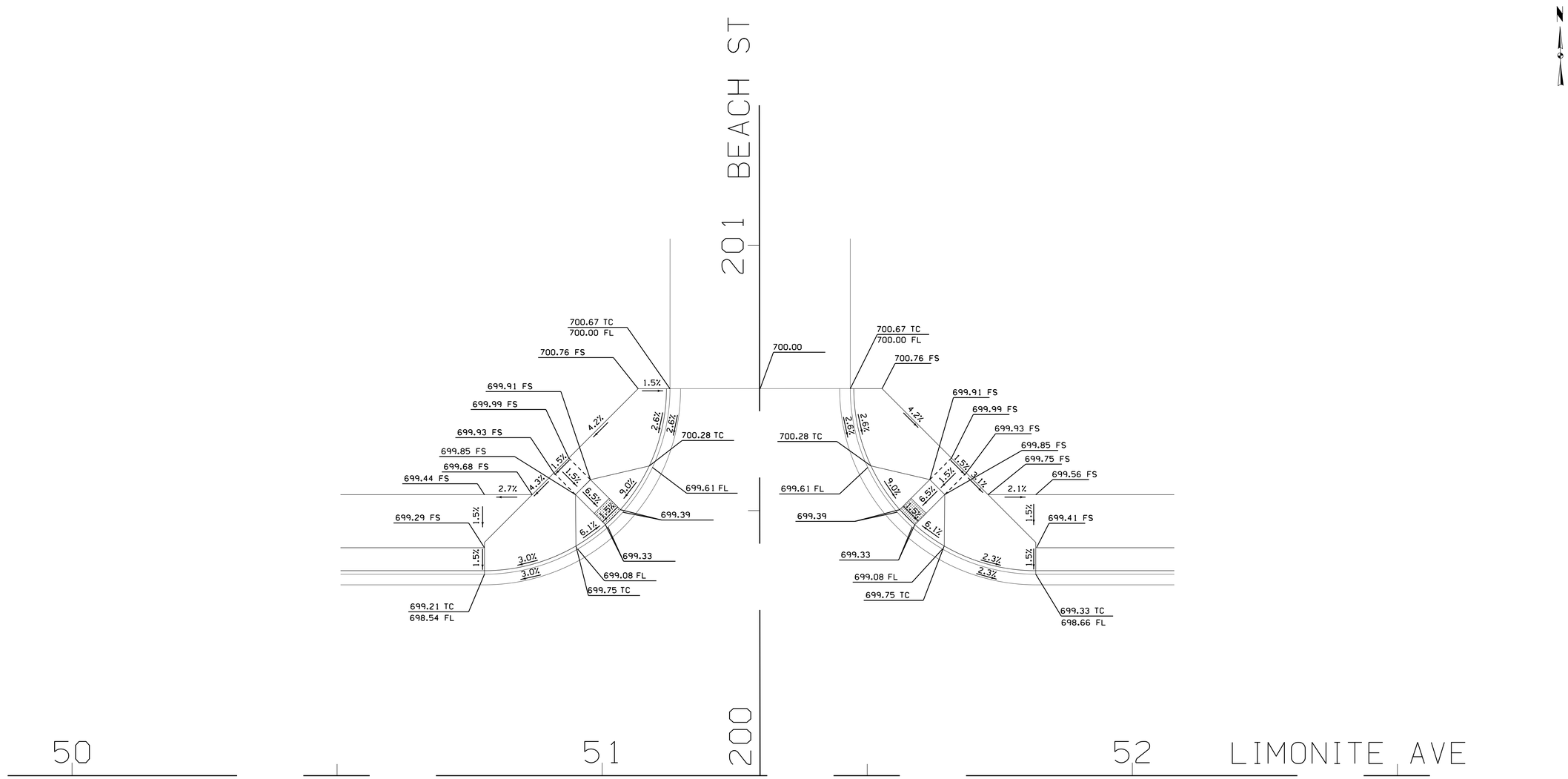
LIMONITE AVENUE STREET IMPROVEMENT PROJECT
PHASE 2 BAIN STREET TO HOMESTEAD STREET
STA. 52+00.00 TO STA. 57+61.90

PLAN AND PROFILE SHEET

ACCT. NO. XXX.XXXX.XXXXX

SHEET 11 OF 57

CITY I.D. NO.
17-B.2



CURB RETURNS
BEACH ST. NORTH @ LIMONITE AVE.

0 10
FEET

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LIMONITE AVENUE STREET IMPROVEMENT PROJECT
PHASE 2 BAIN STREET TO HOMESTEAD STREET

SIDEWALK AND CURB RETURN DETAILS

ACCT. NO. XXX.XXXX.XXXXX

SHEET 12 OF 57

CITY I.D. NO.
17-B.2

TRAFFIC CONTROL PLAN

The Contractor shall employ practices of safety and maintenance of traffic. These methods shall include, but not limited to, the following:

1. Traffic control on this project shall be in accordance with specific layouts shown on these plans. Traffic control devices, procedures, and layouts shall be as per the current California Manual for Uniform Traffic Control Devices (MUTCD) 2014 and latest CalTrans Standard Plans.
2. All traffic control devices shall be furnished, erected, maintained, and removed by the Contractor.
3. All traffic control signs shall be placed at a minimum of 2-ft. clear of the back of curb and bridge barrier wall. Traffic control signs placed on bridges shall be visible over the top of the bridge barrier rail.
4. Portable mountings for warning signs may be used for temporary installations of no more than three (3) days.
5. Sign washing shall be considered incidental to traffic control and required as directed by the Project Engineer.
6. All Type II Barricades shall have Type 'A' low intensity flashing warning lights. The back side of the Type III Barricades shall be reflectorized by a minimum of six (6) yellow reflectors, one at each end of each rail, or at least one rail on each Barricade shall have reflectorized stripes properly sloped at each end.
7. The proposed signing may be modified to meet field conditions, prevent obstructions and to accommodate construction scheduling upon approval of the Project Engineer.
8. Long term or permanent traffic control signs that conflict with specific layouts shown in the plans are to be covered as directed by the Project Engineer. This work shall be considered incidental to traffic control.
9. The Contractor shall remove all signs determined by the Project Engineer and they shall remain the property of their respective owners. This work shall be considered incidental to traffic control.
10. The Contractor shall notify the City of Jurupa Valley one (1) week prior to changes in traffic control patterns.
11. At the time of initial setup of at the time of a stage change, 100 percent of each type of device (signs, cones, channelizers, drums, barricades, vertical panels, changeable message signs, and pavement markings) shall be classified as acceptable by the requirements of the American Traffic Safety Service Association (ATSSA), "Quality Standard for Work Zone Traffic Control Devices - 1992." Throughout the duration of the project, unacceptable devices or situations that are found on the job site as determined by before mentioned publication shall be replaced or the situation corrected within 12 hours of initial notification by the Project Engineer.
12. The location for storage of equipment by the Contractor during nonworking hours shall be as approved by the Project Engineer, and the Contractor shall provide a written agreement with the property owner(s).

STAGING NOTES

It is recognized that as the various activities related to construction progress, certain situations may arise which will preclude adhering to the original construction sequence or which would readily lend themselves to more efficient staging operations. Should the Contractor desire to deviate from the original plan, a written alternative plan shall be submitted to the Project Engineer for approval a minimum of two (2) weeks prior to the proposed changes.
Contractor shall coordinate with all projects in the same area at all times during construction.

PROJECT ACCESS:
The Contractor will have access to the project site from Limonite Ave, Bain St, and Beach St throughout the construction of the project.

STAGING AREA:
It will be the Contractor's responsibility to secure a place within the general project area for use in staging equipment and materials.

UTILITY COORDINATION:

Coordinating with utility companies to relocate or adjust existing utility lines where conflicts exist shall be done before the start of each stage.

CONSTRUCTION SEQUENCING:

Stage 1:
1. Provide traffic control signage, devices, and temporary pavement markings as shown on the traffic control plan sheets.
2. From approximately STA 34+00 to STA 41+00, shift Limonite Ave traffic Nouth.
3. Maintain minimum 5' between traveled way and construction at all times.
4. Sawcut, remove existing curb and gutter, provide temporary culvert extension, grade and construct temporary pavement as shown on traffic control and staging plan sheets.

Stage 2:
1. Provide traffic control signage, devices, and temporary pavement markings as shown on the traffic control plan sheets.
2. Contractor is responsible for rotating traffic signal and video detection system at Bain Street.
3. Shift Limonite Ave traffic South.
4. Maintain minimum 5' between traveled way and construction at all times.
7. Remove existing pavement as shown on traffic control and staging plan sheets.
8. Compact subgrade and construct base.
9. Place asphalt base course.
10. Place final 2" asphalt overlay only during the non peak hours of 9 a.m. to 3 p.m.

Stage 3:
1. Provide traffic control signage, devices, and temporary pavement markings as shown on the traffic control plan sheets.
2. Contractor is responsible for rotating traffic signal and video detection system at Bain Street.
3. Shift Limonite Ave traffic North.
4. Maintain minimum 5' between traveled way and construction at all times.
7. Remove existing pavement as shown on traffic control and staging plan sheets.
8. Lowering of sanitary sewer at culvert location to be performed during this stage.
9. Compact subgrade and construct base.
10. Place asphalt base course.
11. Place final 2" asphalt overlay only during the non peak hours of 9 a.m. to 3 p.m.
12. Install permanent pavement markings.

LEGEND

- 42" CHANNELIZER
- DRUM
- TRAFFIC SIGN
- TYPE III BARRICADE - PLAN VIEW
- ARROW DISPLAY BOARD
- ORANGE SAFETY FENCE
- DIRECTION OF TRAVEL (NOT ACTUAL PAVEMENT MARKING)
- TEMPORARY BARRIER RAIL
- TEMPORARY CRASH CUSHION

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LIMONITE AVENUE STREET IMPROVEMENT PROJECT
PHASE 2 BAIN STREET TO HOMESTEAD STREET

TRAFFIC CONTROL AND STAGING

ACCT. NO. XXX.XXXX.XXXXX

SHEET 13 OF 57

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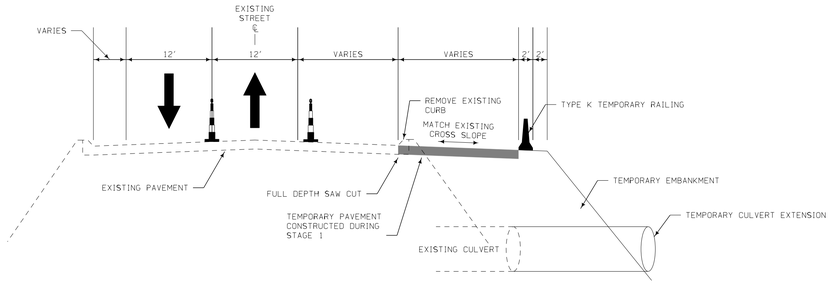
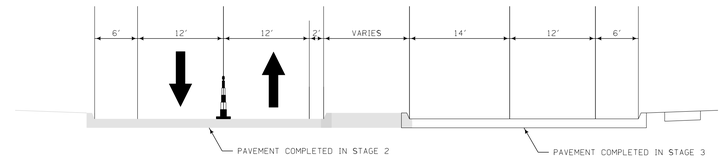
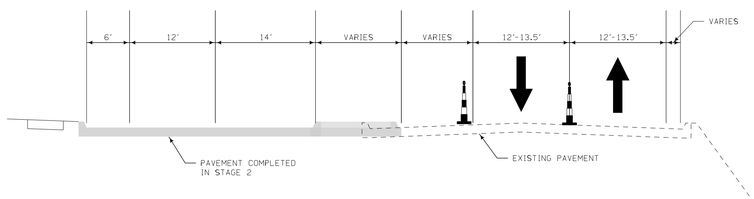


TYPICAL STAGING SECTION
STAGE 1 (LOOKING EAST)



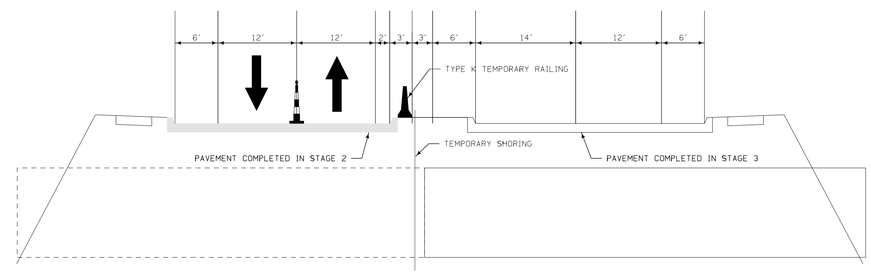
TYPICAL STAGING SECTION
STAGE 3 (LOOKING EAST)

STA 18+00.00 TO STA 34+00.00
AND
STA 41+25.00 TO STA 55+00.00



TYPICAL STAGING SECTION
STAGE 2 (LOOKING EAST)

STA 18+00.00 TO STA 34+00.00
AND
STA 41+25.00 TO STA 55+00.00



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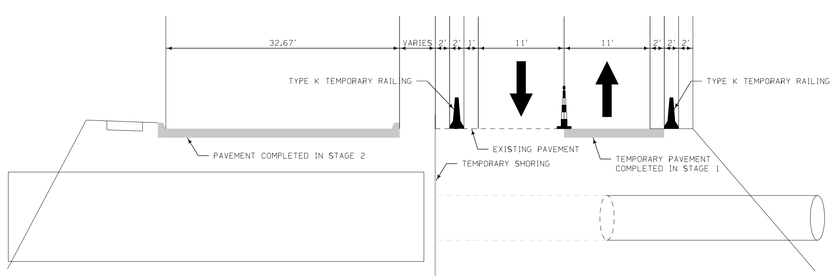
STA 34+00.00 TO STA 41+25.00



TYPICAL STAGING SECTION
STAGE 2 (LOOKING EAST)

STA 34+00.00 TO STA 41+25.00

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LIMONITE AVENUE STREET IMPROVEMENT PROJECT
PHASE 2 BAIN STREET TO HOMESTEAD STREET

TRAFFIC CONTROL AND STAGING

ACCT. NO. XXX.XXXX.XXXXX

SHEET 14 OF 57

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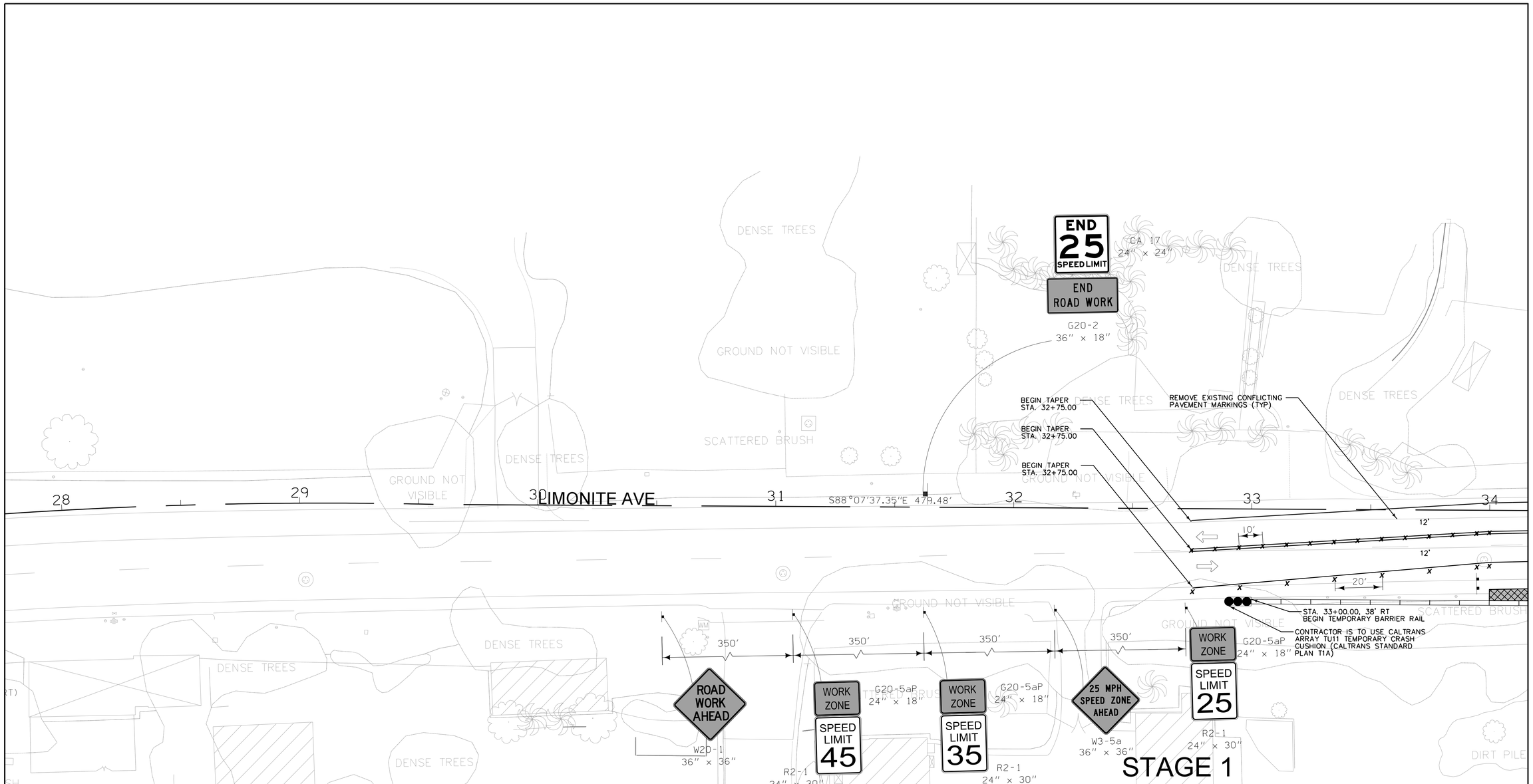

LEGEND

- TRAFFIC SIGN
- TYPE III BARRICADE
- SEQUENCING ARROW
- WORK AREA
- CHANNELIZING DEVICE (VERTICAL PANEL, TYPE I OR TYPE II BARRICADE) (TO BE WEIGHTED)
- DRUM
- ORANGE PLASTIC SAFETY FENCE
- PROPOSED PAVEMENT
- TEMPORARY PAVEMENT
- PREVIOUSLY CONSTRUCTED
- DIRECTION OF TRAVEL (NOT ACTUAL PAVEMENT MARKING)
- PAVEMENT MARKING SYMBOL
- PHASED DRIVEWAY CONSTRUCTION STAGE A "A"
- PHASED DRIVEWAY CONSTRUCTION STAGE B "B"
- AREAS STAGED DUE TO TRAFFIC ACCESS
- PHASED DRIVEWAY TEMP. PAVEMENT STAGE A "A"
- PHASED DRIVEWAY TEMP. PAVEMENT - STAGE B "B"
- AREAS STAGED DUE TO TRAFFIC ACCESS

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SHEET 15 OF 57

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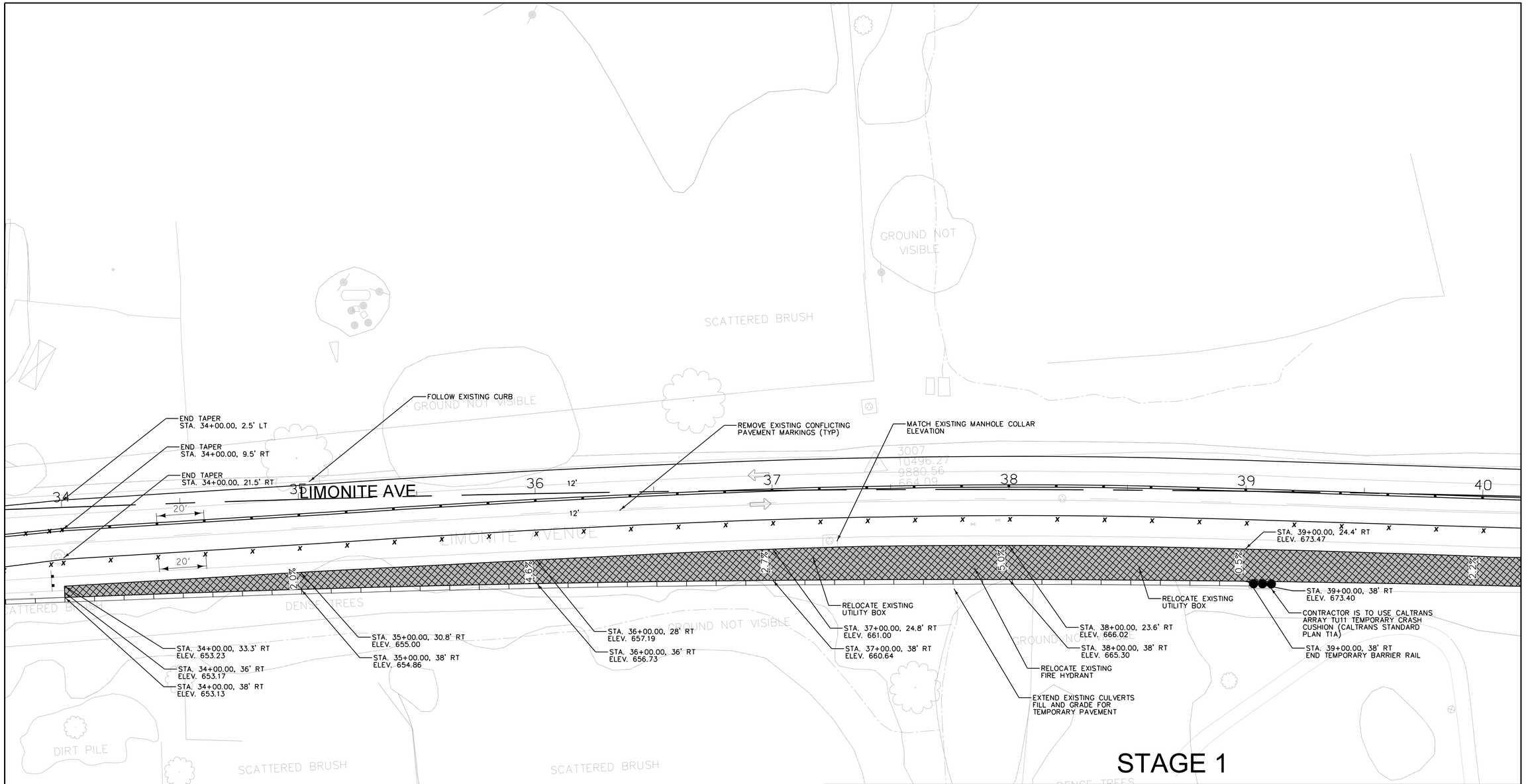

STAGE 1

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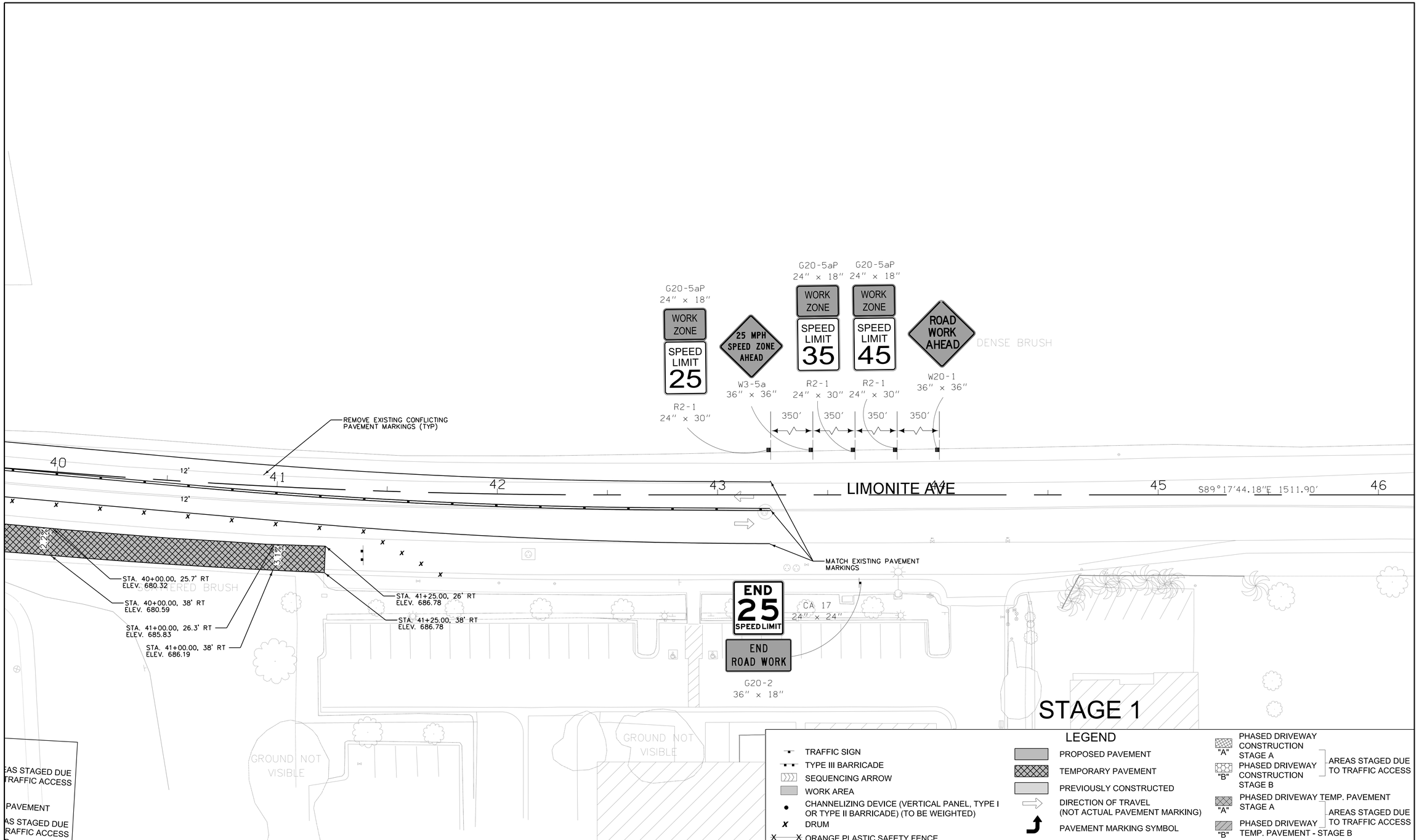
SHEET 16 OF 57

CITY I.D. NO.
17-B.2



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JURUPA VALLEY, CA 92509
TEL: (951) 332-6464
EMAIL: ENGINEERING@JURUPAVALLEY.ORG

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MARK	DATE	INITIAL	DESCRIPTION	REC.	APPR	DATE
		E.O.R.	REVISION			

BENCHMARK:
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BASIS OF BEARING:
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ENGINEER OF RECORD'S SEAL
REGISTERED PROFESSIONAL ENGINEER
MICHAEL D. MYERS
No. 30702
CIVIL
STATE OF CALIFORNIA

HRGreen
HR GREEN PACIFIC, INC.
1260 CORONA POINTE COURT
SUITE 305
CORONA, CA 92879
TELE: (855) 900-4742
FAX: (855) 641-5877

PLANS PREPARED UNDER THE SUPERVISION OF:
MICHAEL D. MYERS R.C.E. 30702 DATE

CITY OF JURUPA VALLEY

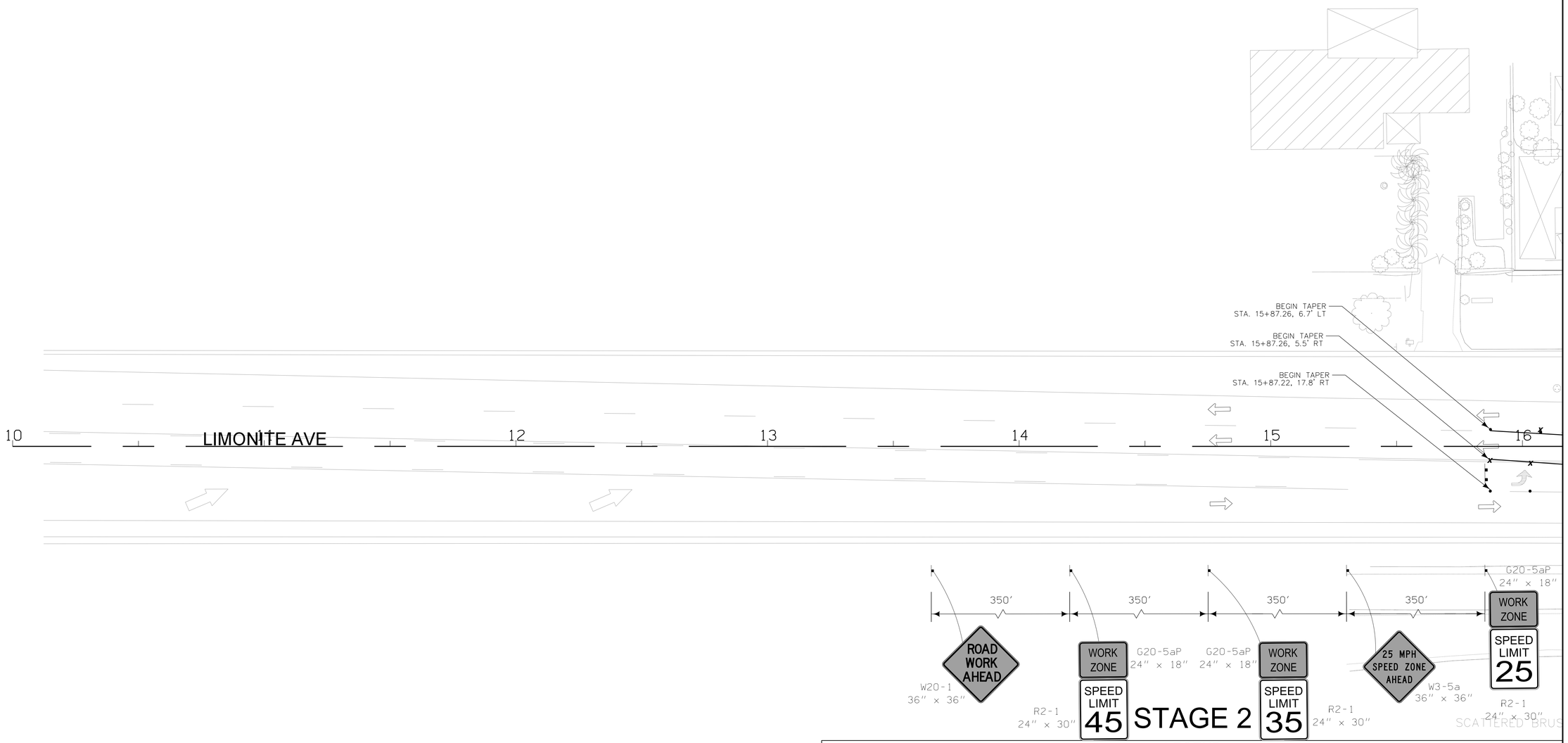
LIMONITE AVENUE STREET IMPROVEMENT PROJECT
PHASE 2 BAIN STREET TO HOMESTEAD STREET

TRAFFIC CONTROL AND STAGING

ACCT. NO. XXX.XXXX.XXXXX

SHEET 17 OF 57

CITY I.D. NO.
17-B.2



LEGEND

- TRAFFIC SIGN
- TYPE III BARRICADE
- SEQUENCING ARROW
- WORK AREA
- CHANNELIZING DEVICE (VERTICAL PANEL, TYPE I OR TYPE II BARRICADE) (TO BE WEIGHTED)
- DRUM
- ORANGE PLASTIC SAFETY FENCE
- PROPOSED PAVEMENT
- TEMPORARY PAVEMENT
- PREVIOUSLY CONSTRUCTED
- DIRECTION OF TRAVEL (NOT ACTUAL PAVEMENT MARKING)
- PAVEMENT MARKING SYMBOL
- "A" PHASED DRIVEWAY CONSTRUCTION STAGE A
- "B" PHASED DRIVEWAY CONSTRUCTION STAGE B
- AREAS STAGED DUE TO TRAFFIC ACCESS
- "A" PHASED DRIVEWAY TEMP. PAVEMENT STAGE A
- "B" PHASED DRIVEWAY TEMP. PAVEMENT - STAGE B
- AREAS STAGED DUE TO TRAFFIC ACCESS

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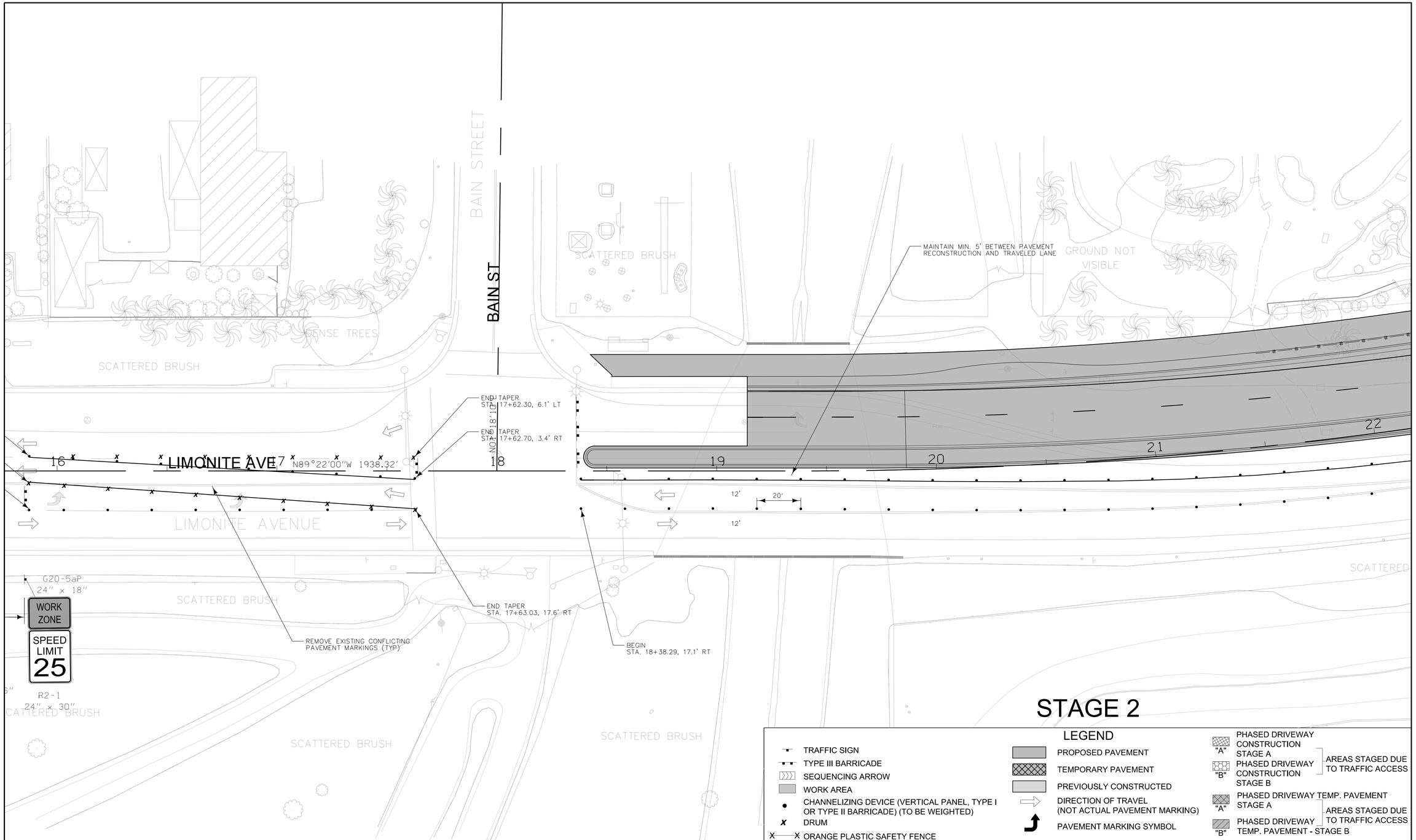
LIMONITE AVENUE STREET IMPROVEMENT PROJECT
PHASE 2 BAIN STREET TO HOMESTEAD STREET

TRAFFIC CONTROL AND STAGING

ACCT. NO. XXX.XXXX.XXXXX

SHEET 18 OF 57

CITY I.D. NO.
17-B.2



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TRAFFIC CONTROL AND STAGING

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SHEET 19 OF 57

CITY I.D. NO.
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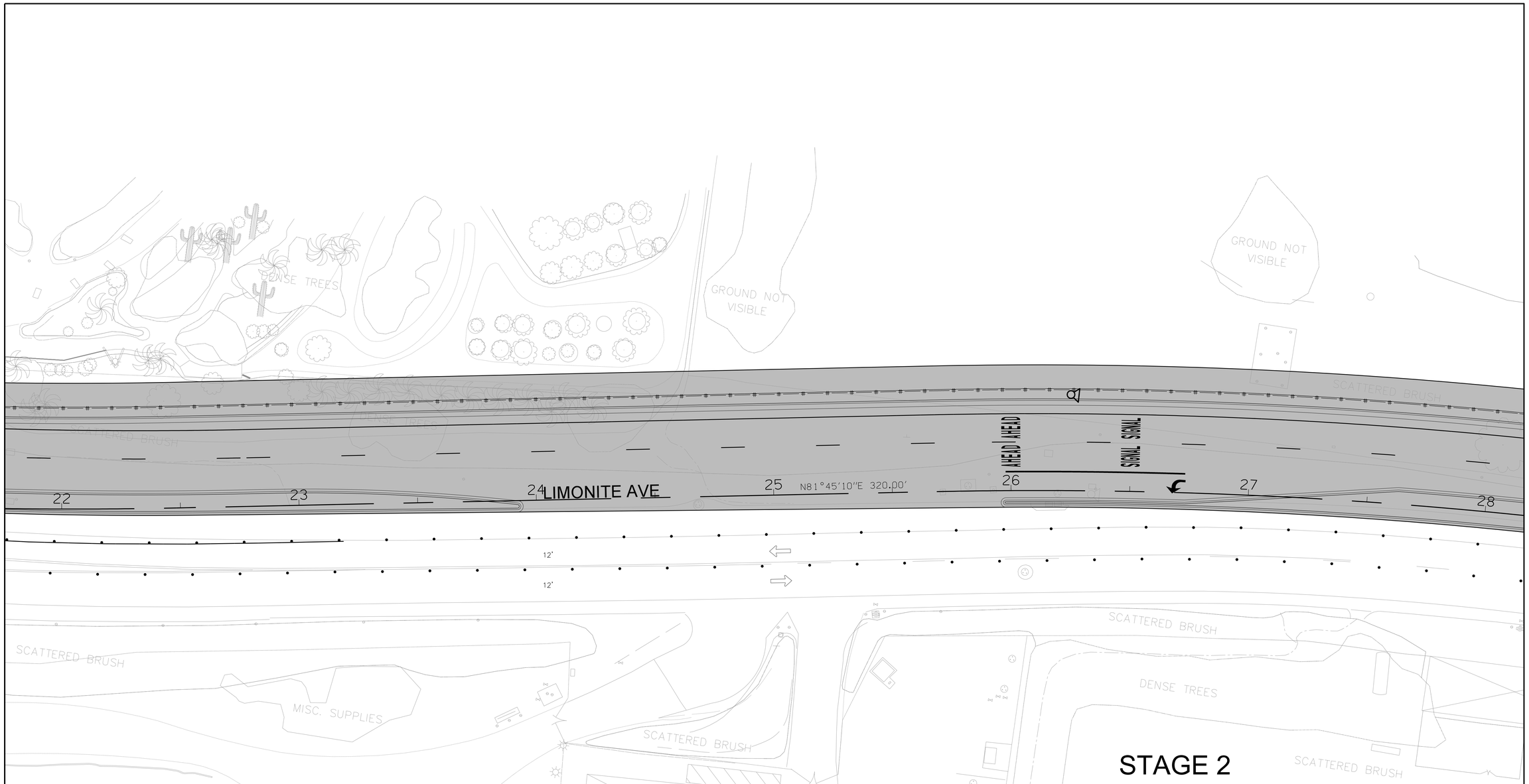

LEGEND

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- SEQUENCING ARROW
- WORK AREA
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- DRUM
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PHASE 2 BAIN STREET TO HOMESTEAD STREET

TRAFFIC CONTROL AND STAGING

ACCT. NO. XXX.XXXX.XXXXX

SHEET 20 OF 57

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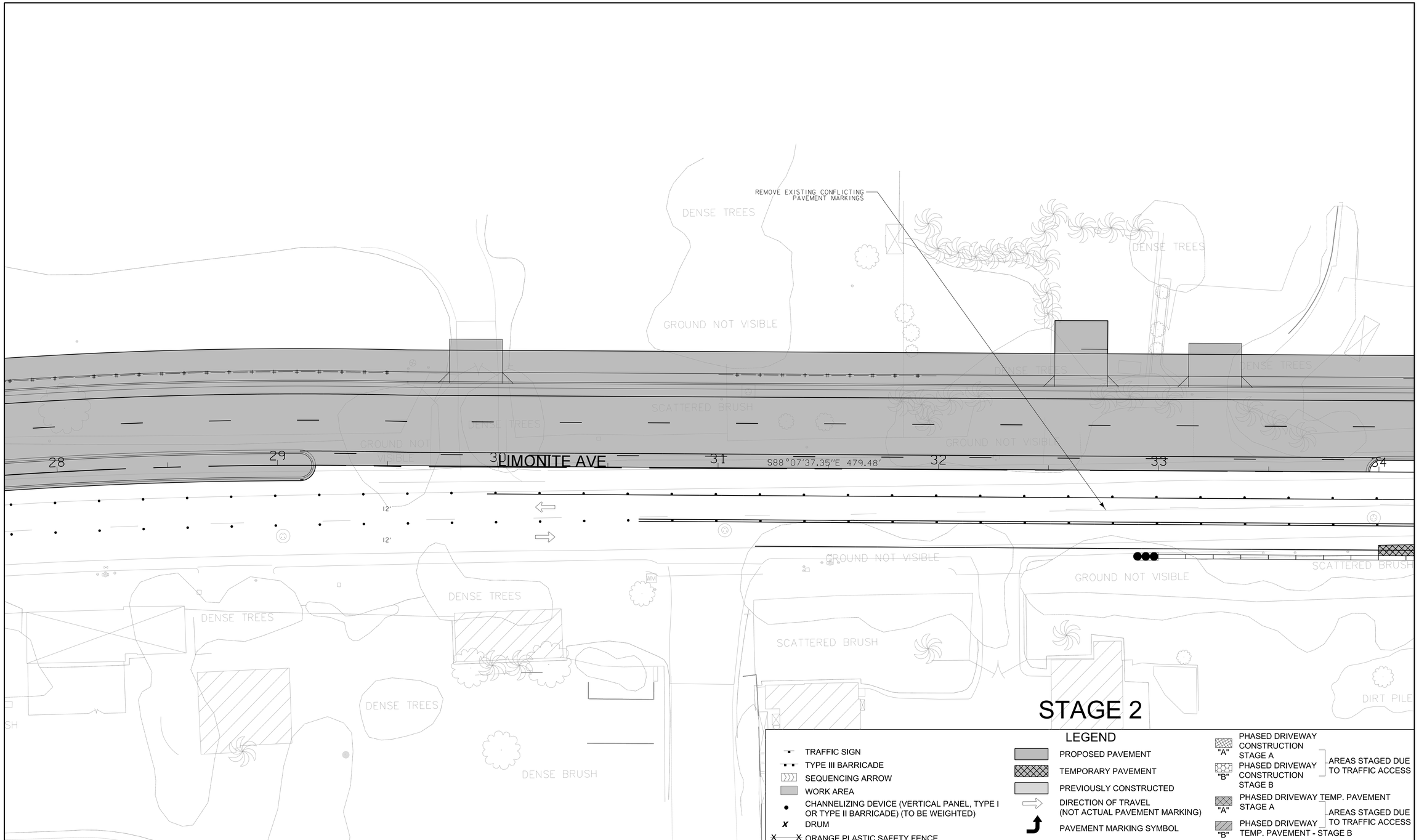
17-B.2



LEGEND

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CITY OF JURUPA VALLEY

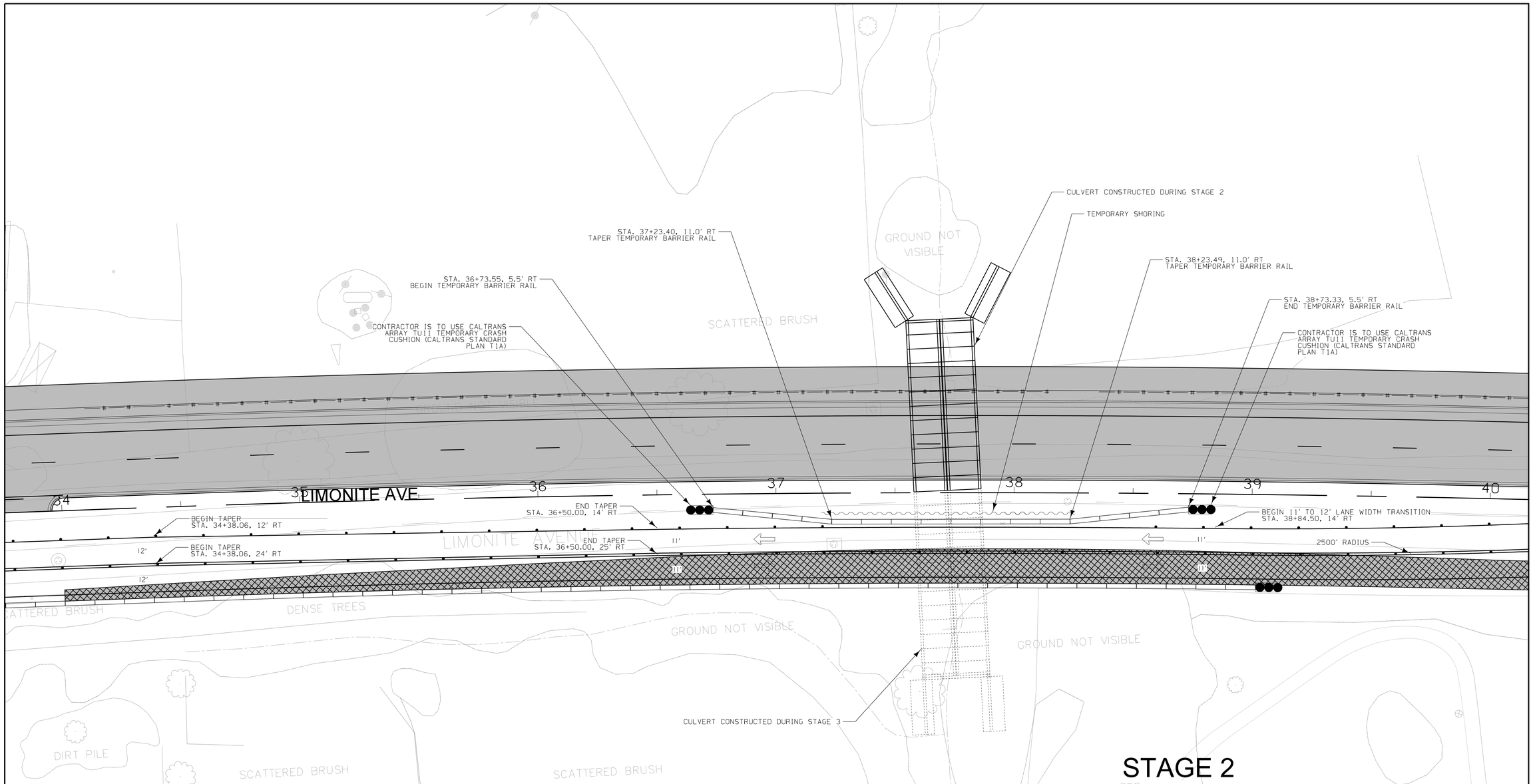
LIMONITE AVENUE STREET IMPROVEMENT PROJECT
PHASE 2 BAIN STREET TO HOMESTEAD STREET

TRAFFIC CONTROL AND STAGING

ACCT. NO. XXX.XXXX.XXXXX

SHEET 21 OF 57

CITY I.D. NO.
17-B.2



STAGE 2

LEGEND

- TRAFFIC SIGN
- TYPE III BARRICADE
- SEQUENCING ARROW
- WORK AREA
- CHANNELIZING DEVICE (VERTICAL PANEL, TYPE I OR TYPE II BARRICADE) (TO BE WEIGHTED)
- DRUM
- X——X ORANGE PLASTIC SAFETY FENCE
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CIVIL
STATE OF CALIFORNIA

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MICHAEL D. MYERS R.C.E. 30702 DATE

CITY OF JURUPA VALLEY

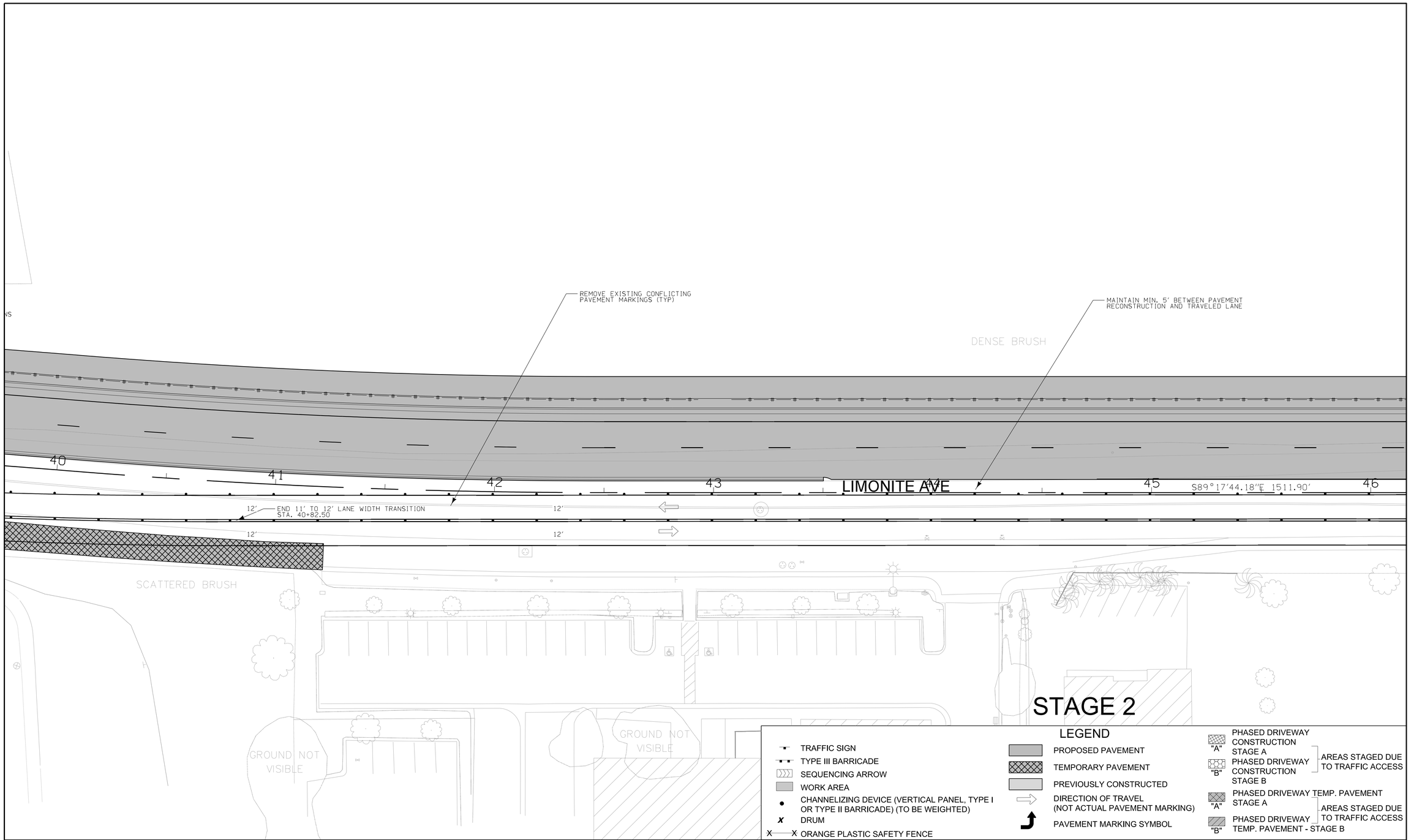
LIMONITE AVENUE STREET IMPROVEMENT PROJECT
PHASE 2 BAIN STREET TO HOMESTEAD STREET

TRAFFIC CONTROL AND STAGING

ACCT. NO. XXX.XXXX.XXXXX

SHEET 22 OF 57

CITY I.D. NO.
17-B.2



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SHEET 23 OF 57

CITY I.D. NO.
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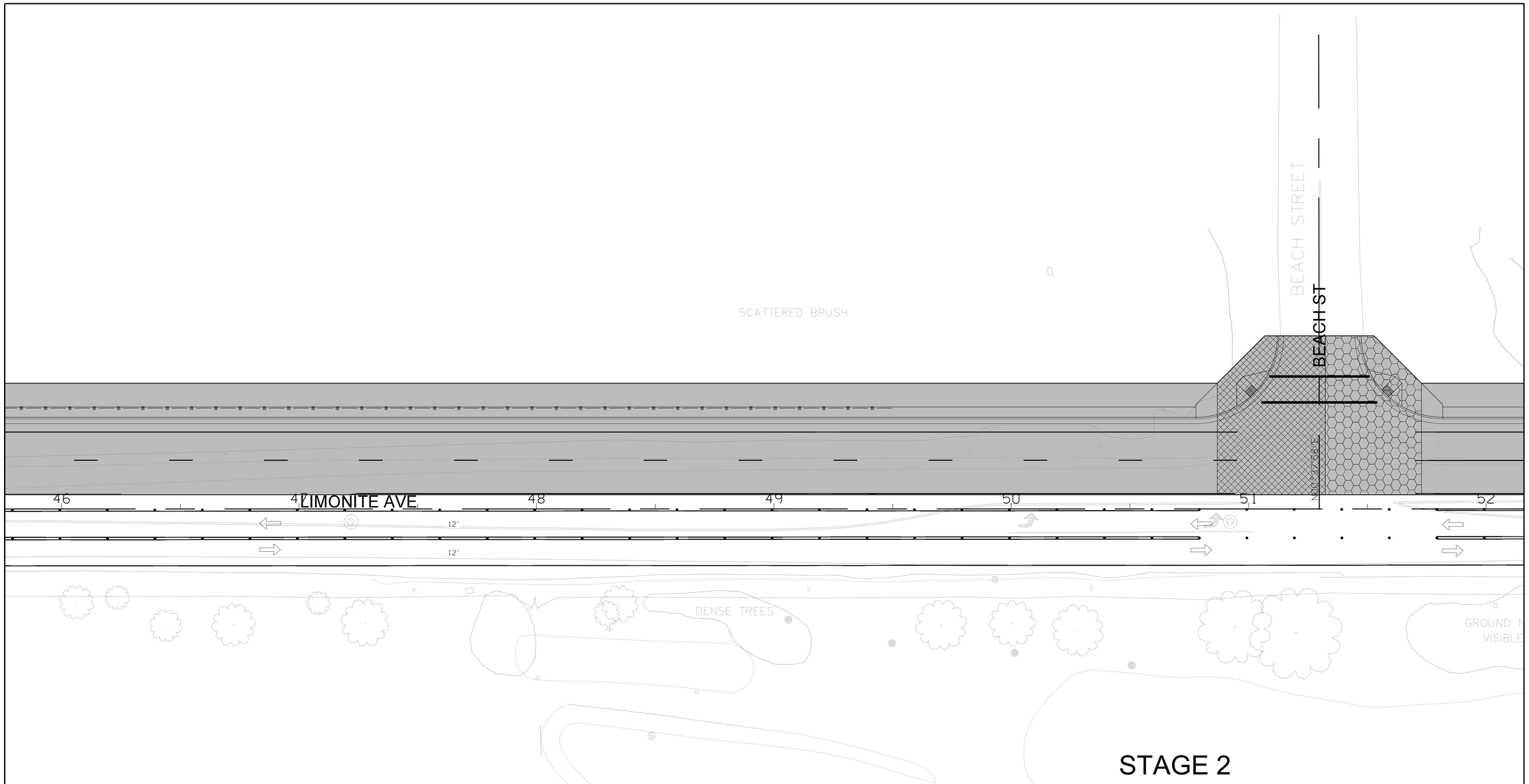

STAGE 2

LEGEND

- TRAFFIC SIGN
- TYPE III BARRICADE
- SEQUENCING ARROW
- WORK AREA
- CHANNELIZING DEVICE (VERTICAL PANEL, TYPE I OR TYPE II BARRICADE) (TO BE WEIGHTED)
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TRAFFIC CONTROL AND STAGING

ACCT. NO. XXX.XXXX.XXXXX

SHEET 24 OF 57

CITY I.D. NO.
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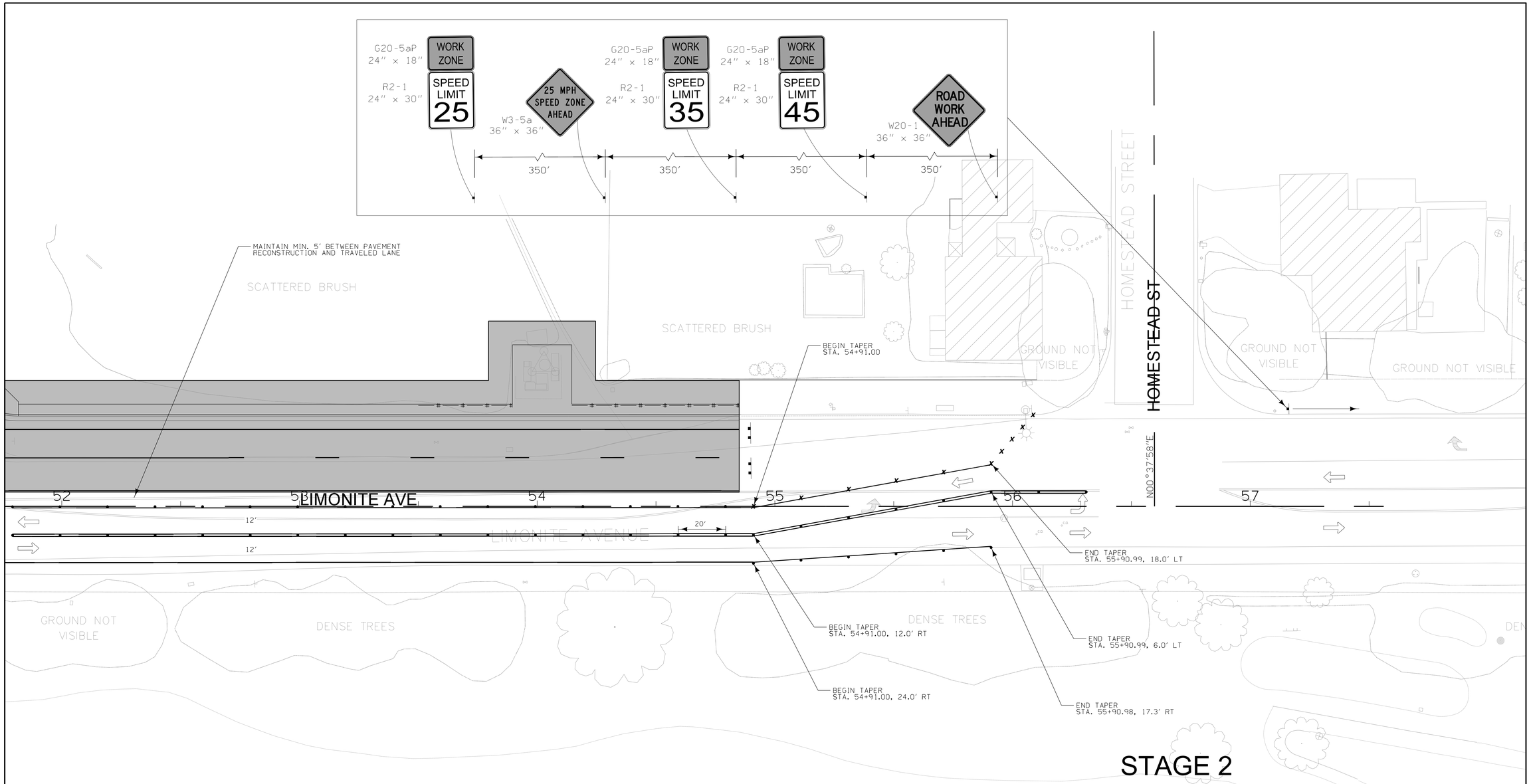

STAGE 2

LEGEND

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- SEQUENCING ARROW
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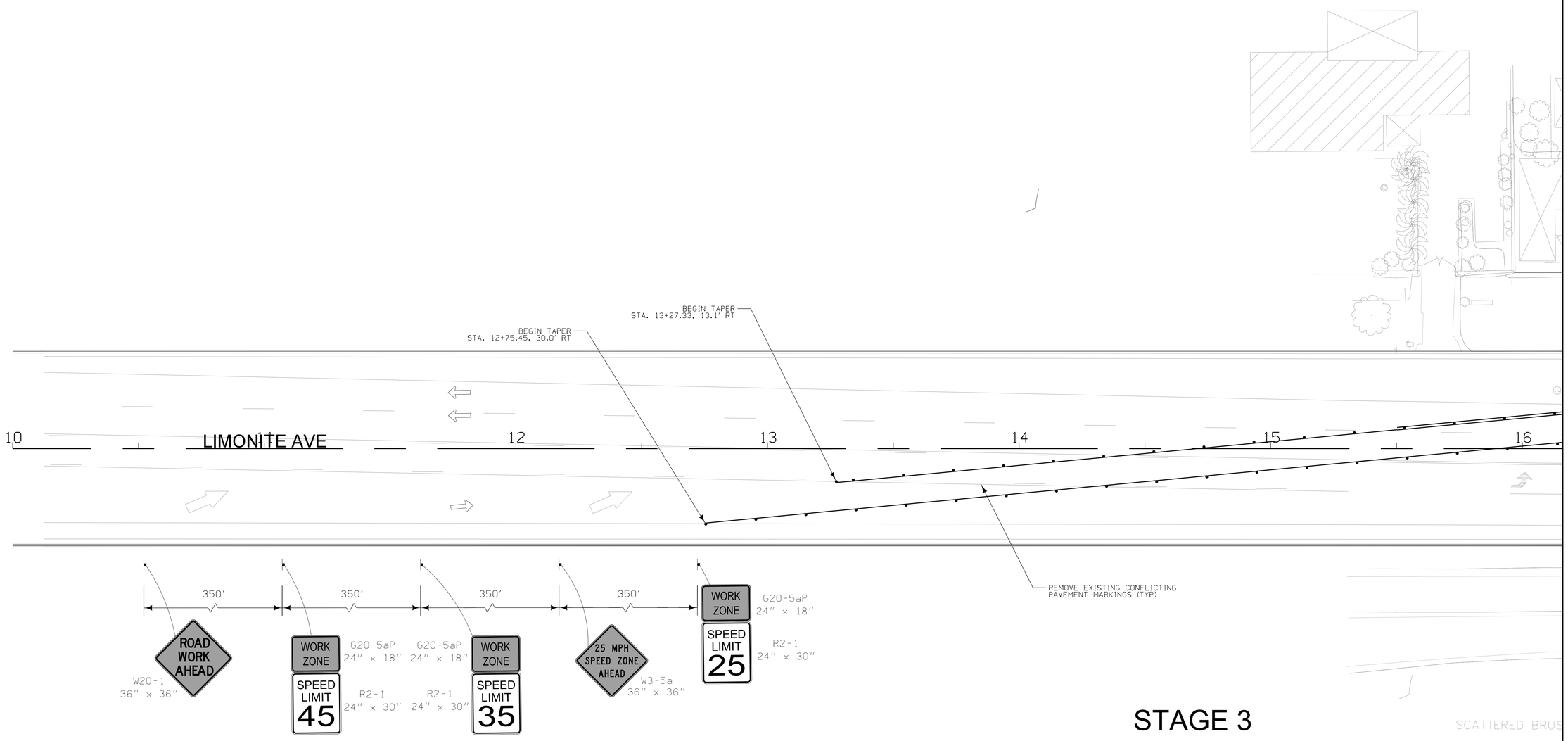
SHEET 25 OF 57

CITY I.D. NO.
17-B.2



STAGE 3

LEGEND

- TRAFFIC SIGN
- TYPE III BARRICADE
- SEQUENCING ARROW
- WORK AREA
- CHANNELIZING DEVICE (VERTICAL PANEL, TYPE I OR TYPE II BARRICADE) (TO BE WEIGHTED)
- DRUM
- X——X ORANGE PLASTIC SAFETY FENCE
- PROPOSED PAVEMENT
- TEMPORARY PAVEMENT
- PREVIOUSLY CONSTRUCTED
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- PAVEMENT MARKING SYMBOL
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- AREAS STAGED DUE TO TRAFFIC ACCESS
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- AREAS STAGED DUE TO TRAFFIC ACCESS

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Underground Service Alert
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EMAIL: ENGINEERING@JURUPAVALLEY.ORG

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		E.O.R.	REVISION			

BENCHMARK:
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BASIS OF BEARING:
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ENGINEER OF RECORD'S SEAL
REGISTERED PROFESSIONAL ENGINEER
MICHAEL D. MYERS
No. 30702
CIVIL
STATE OF CALIFORNIA

HRGreen
HR GREEN PACIFIC, INC.
1260 CORONA POINTE COURT
SUITE 305
CORONA, CA 92879
TELE: (855) 900-4742
FAX: (855) 641-5877

PLANS PREPARED UNDER THE SUPERVISION OF:

MICHAEL D. MYERS R.C.E. 30702 DATE

CITY OF JURUPA VALLEY

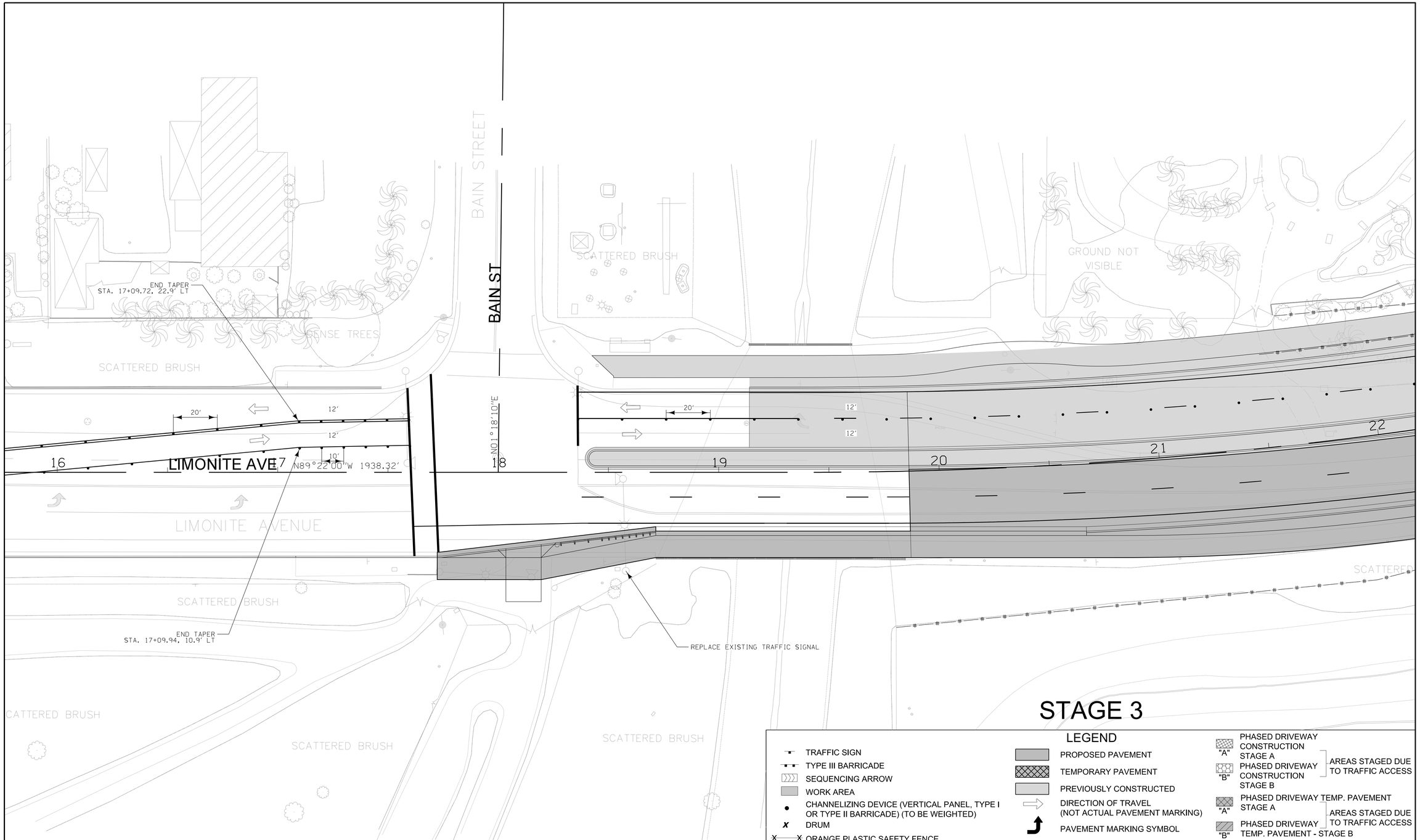
LIMONITE AVENUE STREET IMPROVEMENT PROJECT
PHASE 2 BAIN STREET TO HOMESTEAD STREET

TRAFFIC CONTROL AND STAGING

ACCT. NO. XXX.XXXX.XXXXX

SHEET 26 OF 57

CITY I.D. NO.
17-B.2



STAGE 3

LEGEND

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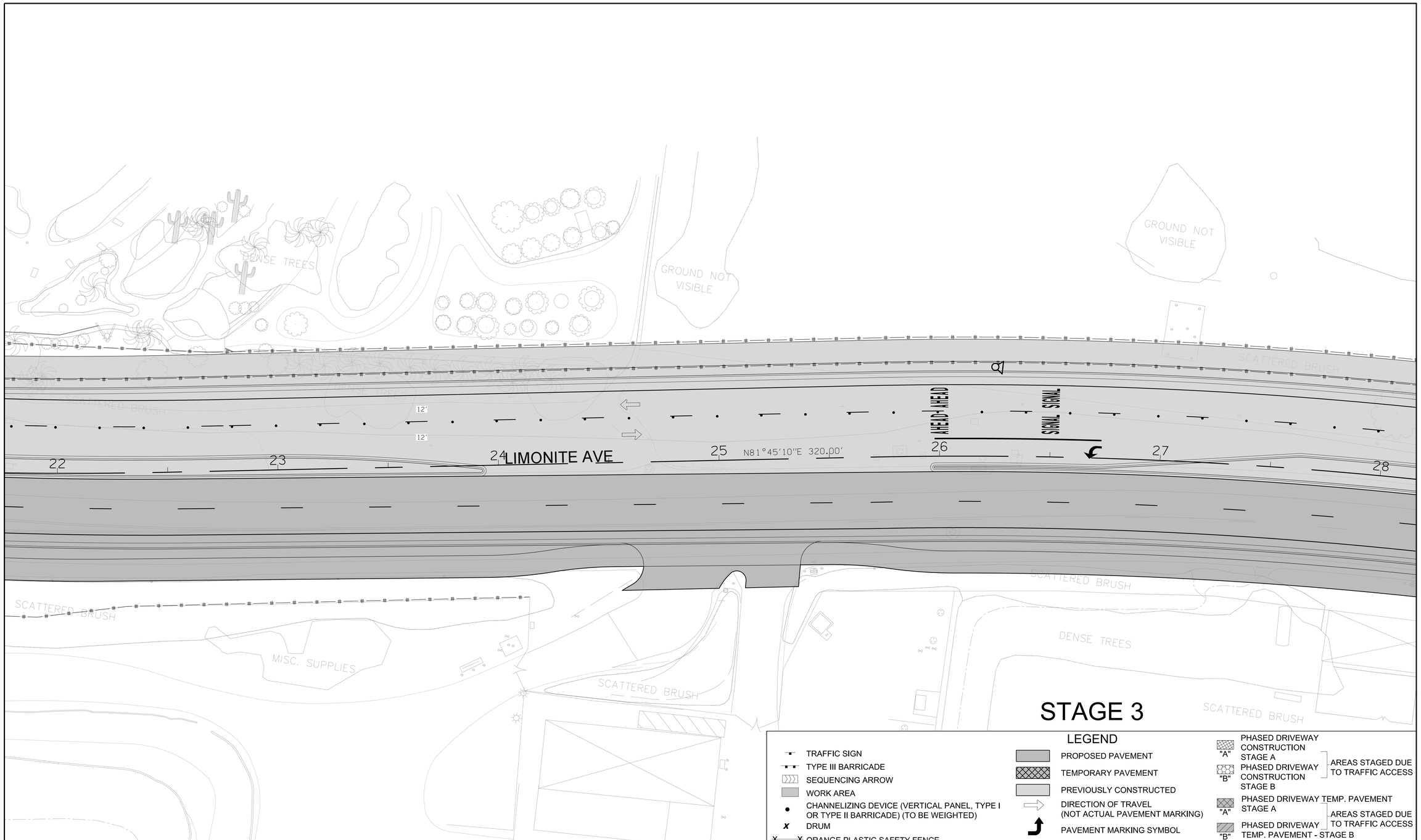
LIMONITE AVENUE STREET IMPROVEMENT PROJECT
PHASE 2 BAIN STREET TO HOMESTEAD STREET

TRAFFIC CONTROL AND STAGING

ACCT. NO. XXX.XXXX.XXXXX

SHEET 27 OF 57

CITY I.D. NO.
17-B.2



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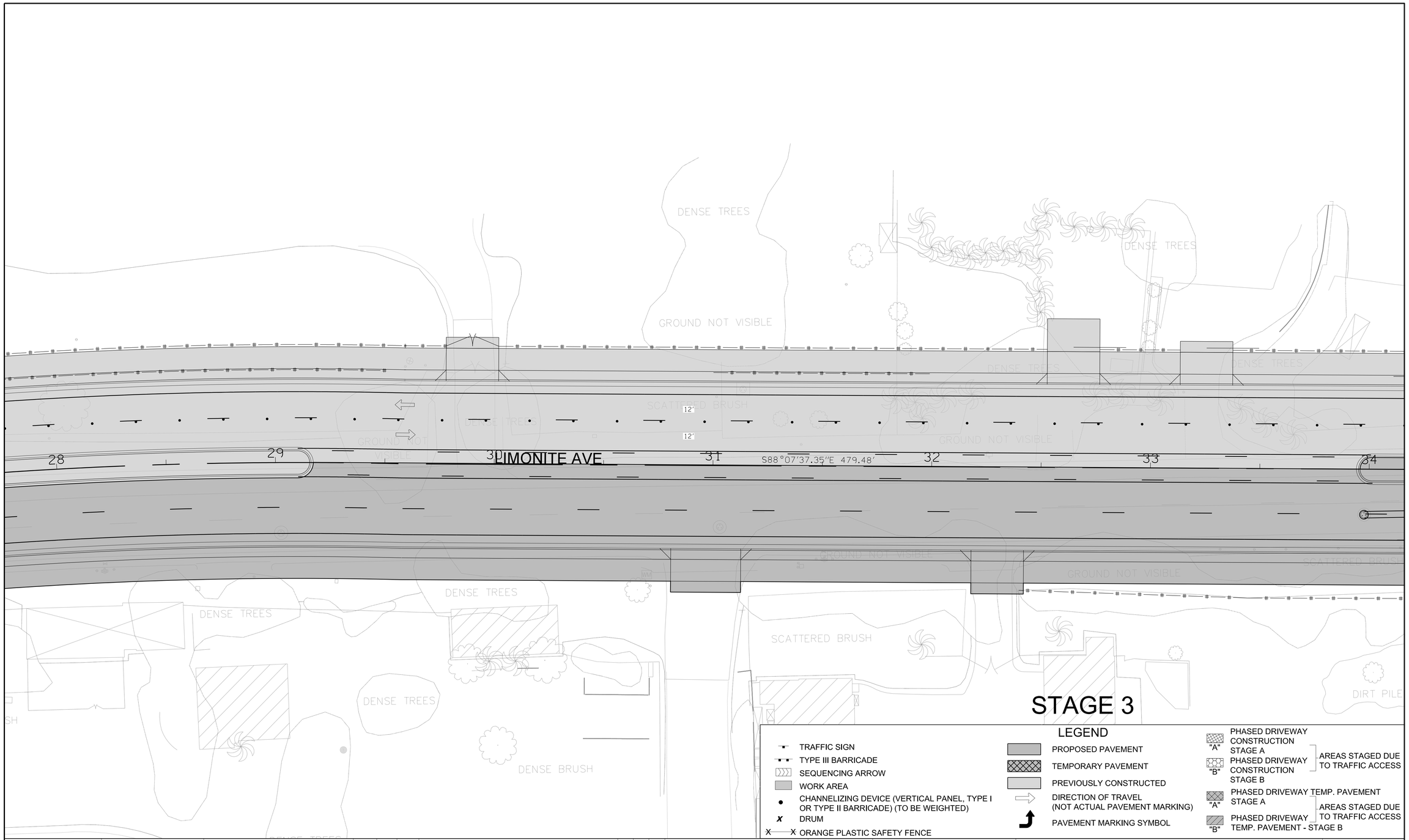
LIMONITE AVENUE STREET IMPROVEMENT PROJECT
PHASE 2 BAIN STREET TO HOMESTEAD STREET

TRAFFIC CONTROL AND STAGING

ACCT. NO. XXX.XXXX.XXXXX

SHEET 28 OF 57

CITY I.D. NO.
17-B.2



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CITY OF JURUPA VALLEY

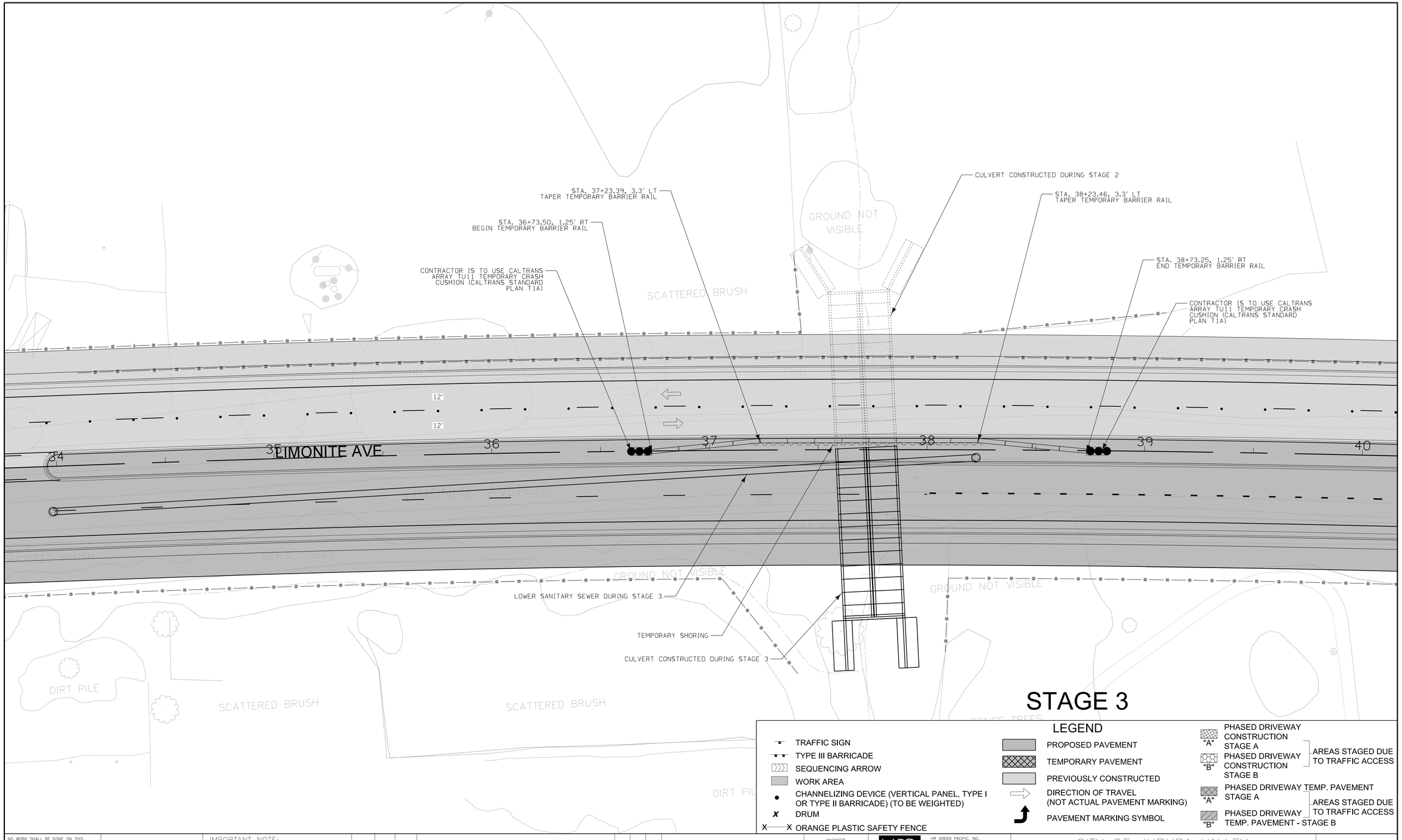
LIMONITE AVENUE STREET IMPROVEMENT PROJECT
PHASE 2 BAIN STREET TO HOMESTEAD STREET

TRAFFIC CONTROL AND STAGING

ACCT. NO. XXX.XXXX.XXXXX

SHEET 29 OF 57

CITY I.D. NO.
17-B.2



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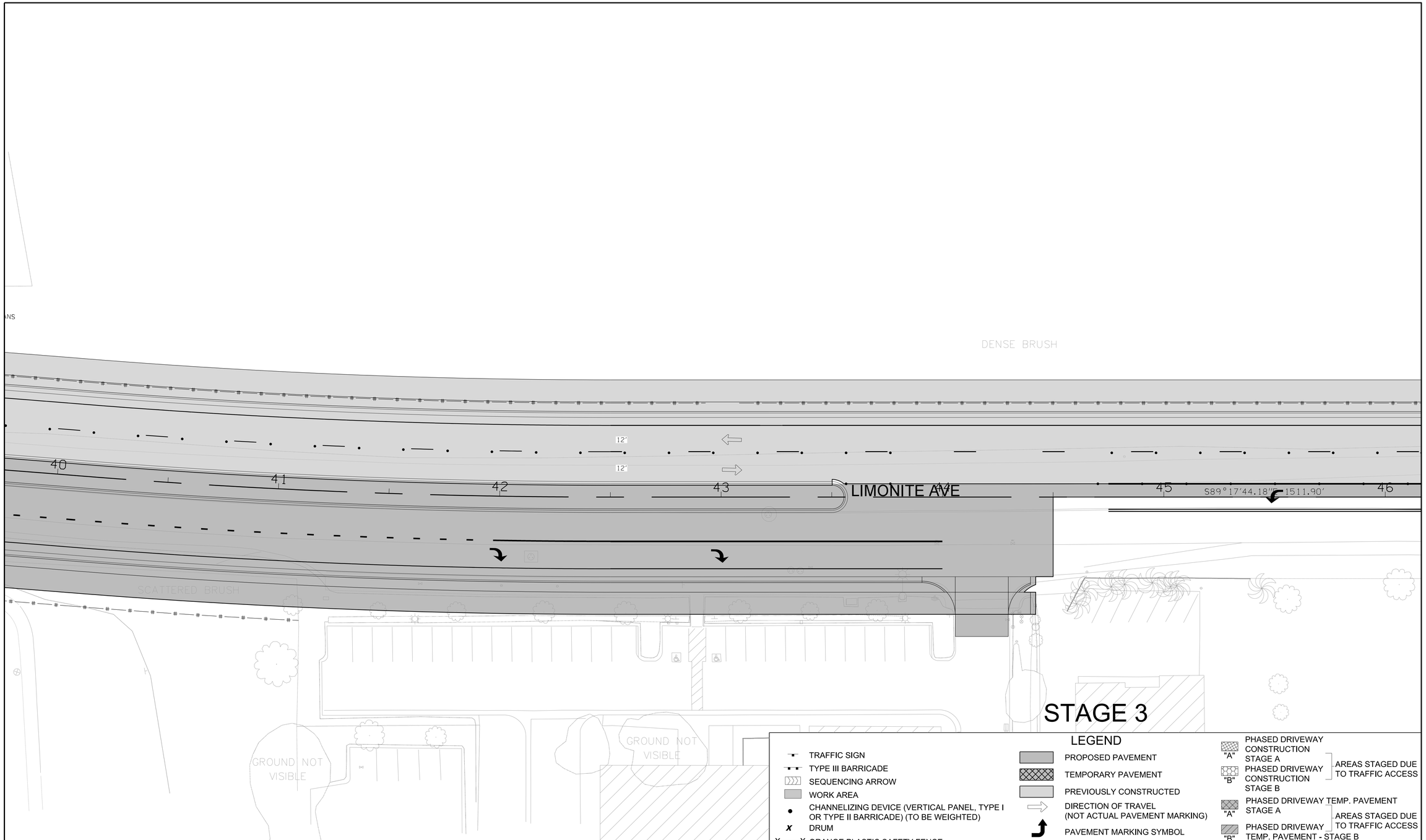
LIMONITE AVENUE STREET IMPROVEMENT PROJECT
PHASE 2 BAIN STREET TO HOMESTEAD STREET

TRAFFIC CONTROL AND STAGING

ACCT. NO. XXX.XXXX.XXXXX

SHEET 30 OF 57

CITY I.D. NO.
17-B.2



LEGEND

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MICHAEL D. MYERS R.C.E. 30702 DATE

CITY OF JURUPA VALLEY

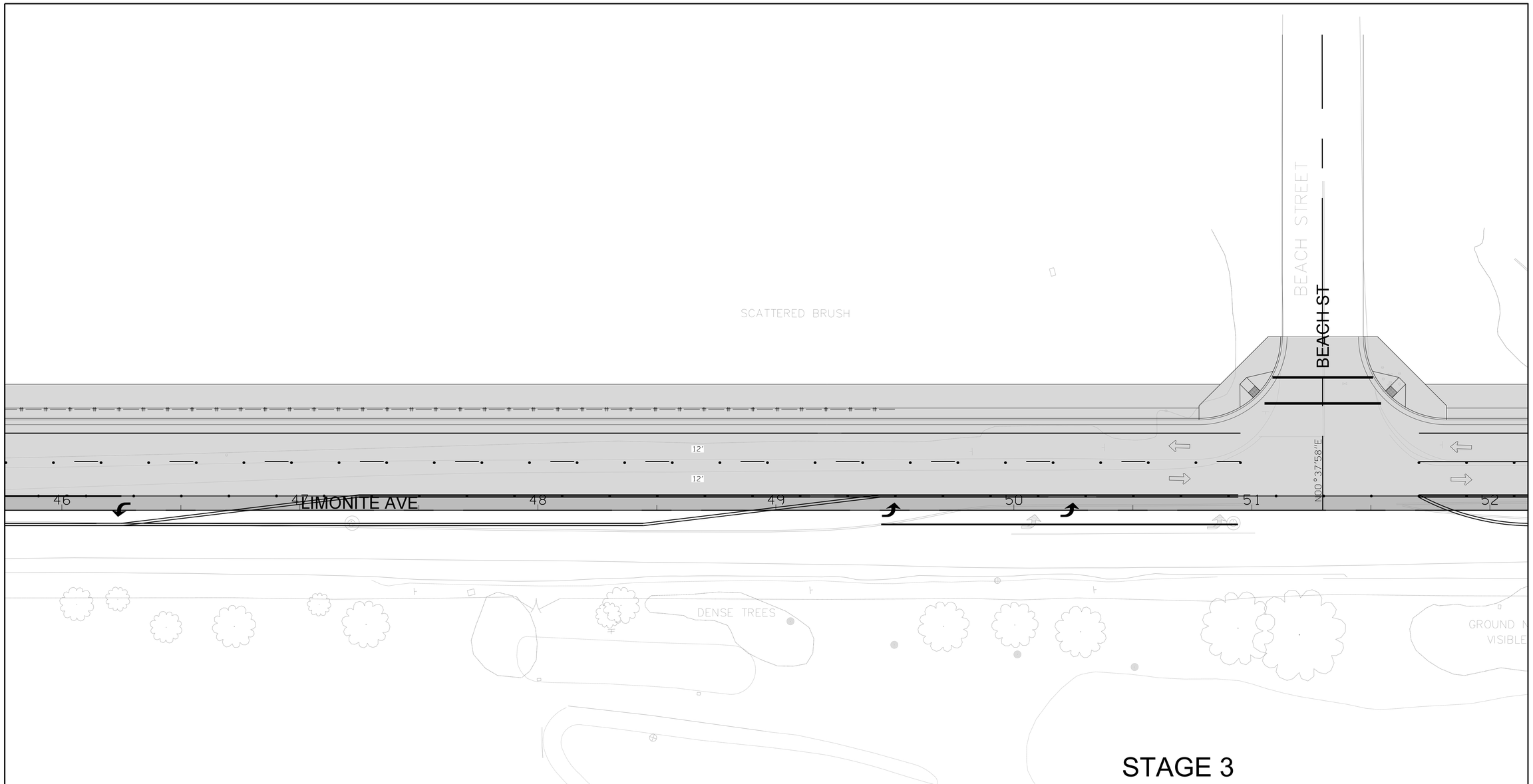
LIMONITE AVENUE STREET IMPROVEMENT PROJECT
PHASE 2 BAIN STREET TO HOMESTEAD STREET

TRAFFIC CONTROL AND STAGING

ACCT. NO. XXX.XXXX.XXXXX

SHEET 31 OF 57

CITY I.D. NO.
17-B.2



STAGE 3

LEGEND

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TRAFFIC CONTROL AND STAGING

ACCT. NO. XXX.XXXX.XXXXX

SHEET 32 OF 57

CITY I.D. NO.
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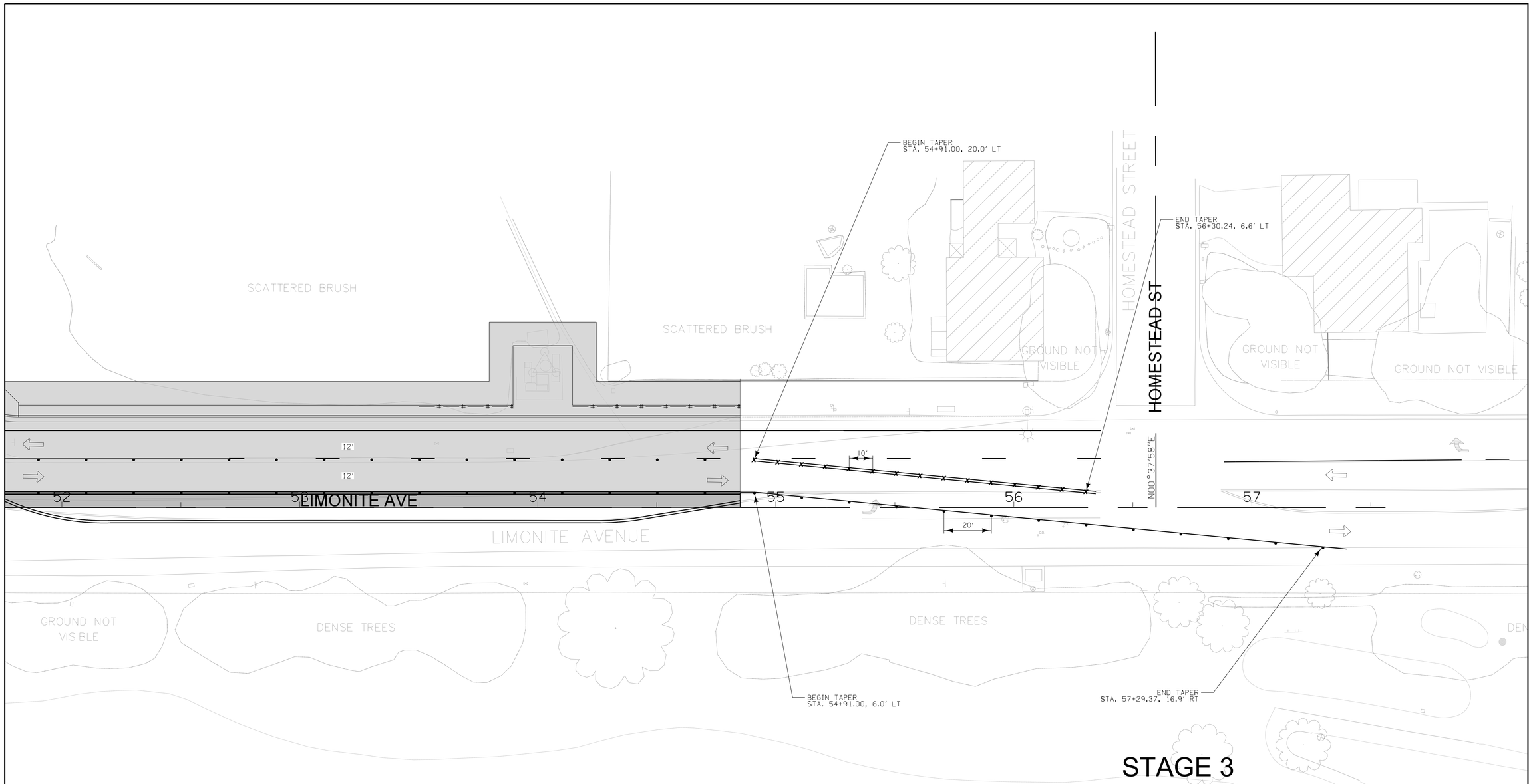

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TRAFFIC CONTROL AND STAGING

ACCT. NO. XXX.XXXX.XXXXX

SHEET 33 OF 57

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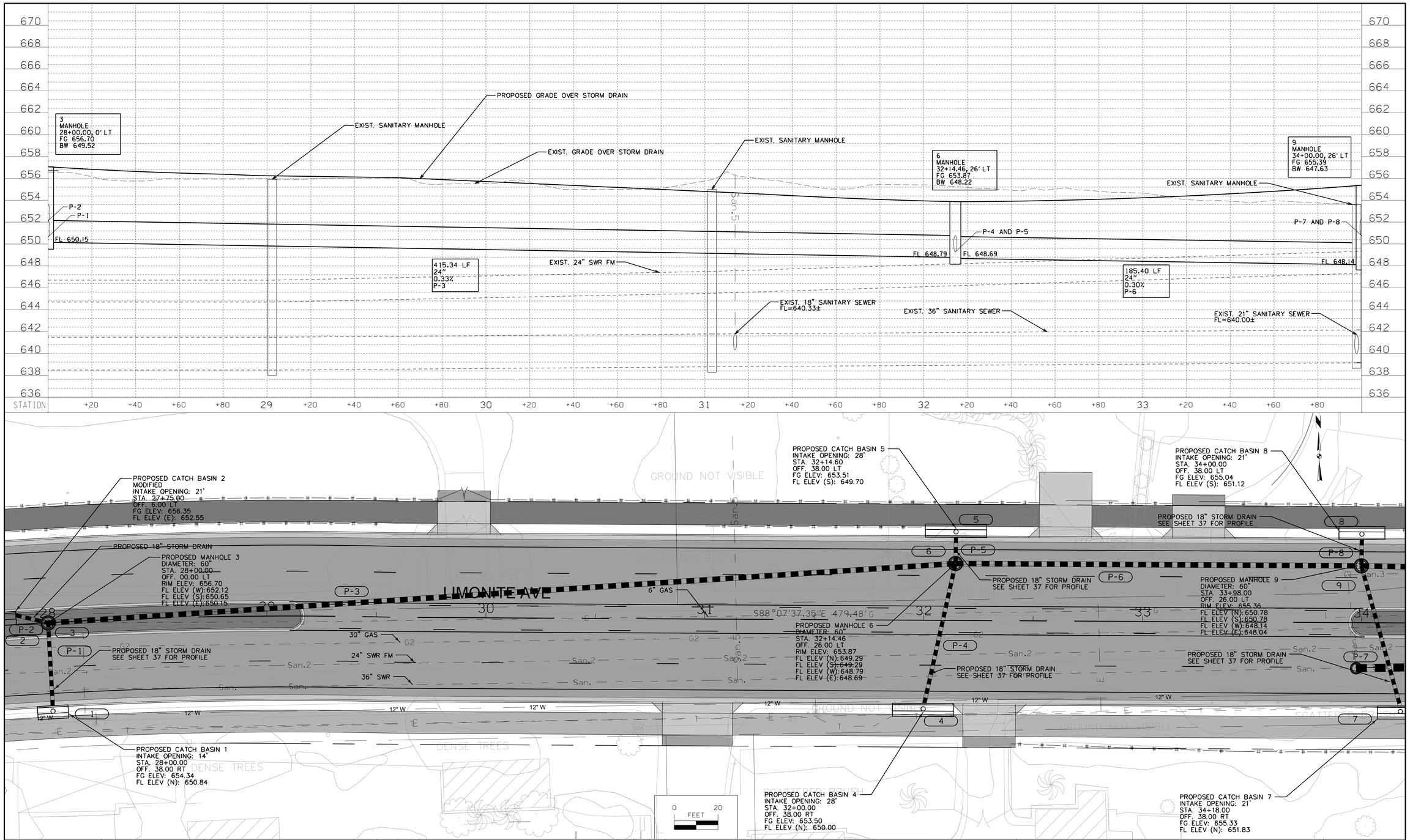

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HRGreen
HR GREEN PACIFIC, INC.
1260 CORONA POINTE COURT
SUITE 305
CORONA, CA 92879
TELE: (855) 900-4742
FAX: (855) 641-5877

PLANS PREPARED UNDER THE SUPERVISION OF:

MICHAEL D. MYERS R.C.E. 30702 DATE

CITY OF JURUPA VALLEY

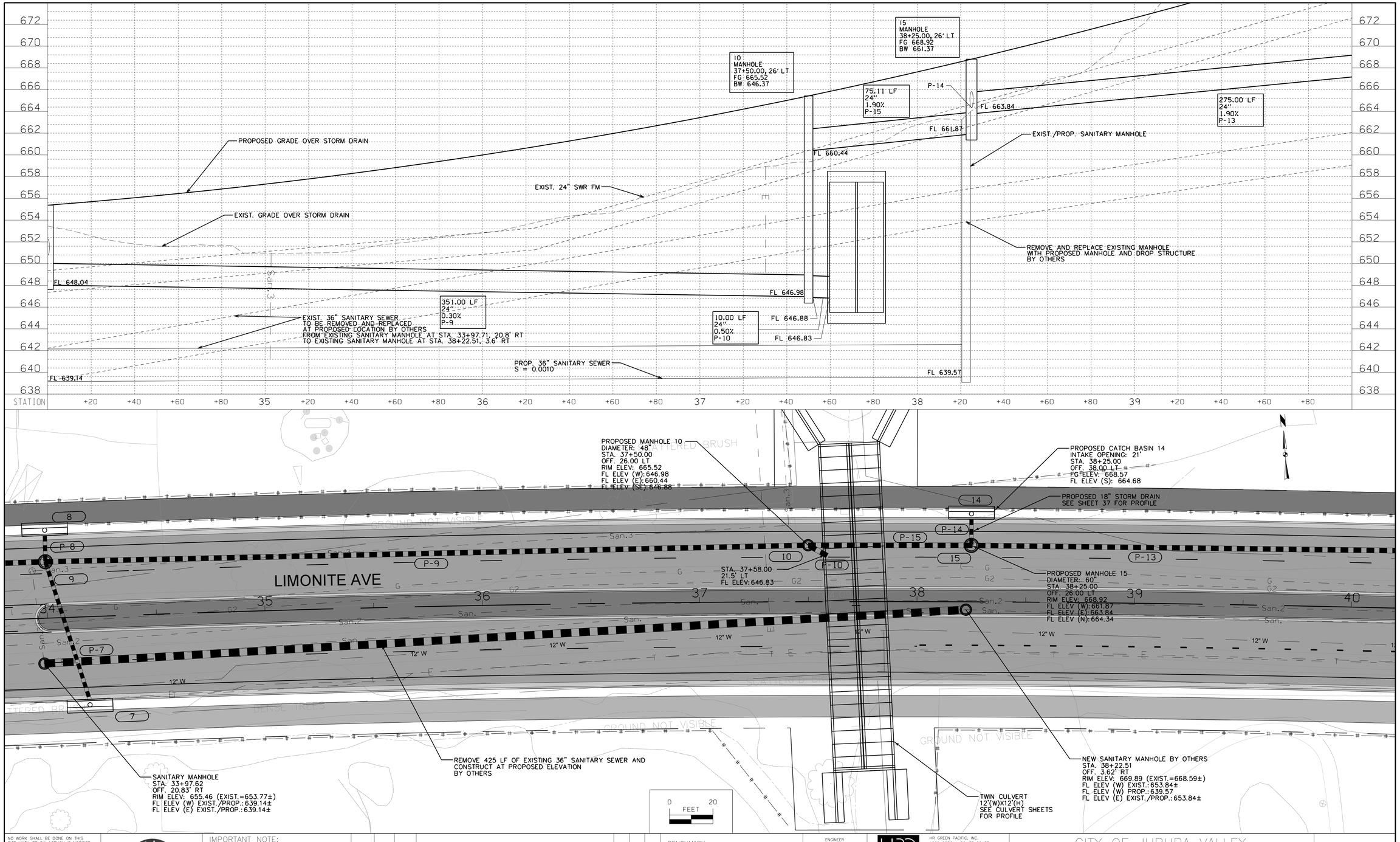
LIMONITE AVENUE STREET IMPROVEMENT PROJECT
PHASE 2 BAIN STREET TO HOMESTEAD STREET

STORM DRAIN PLAN AND PROFILE

ACCT. NO. XXX.XXXX.XXXXX

SHEET 34 OF 57

CITY I.D. NO.
17-B.2



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MARK	DATE	INITIAL	DESCRIPTION	REC.	APPR	DATE
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BENCHMARK:
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BASIS OF BEARING:
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ENGINEER OF RECORD'S SEAL
REGISTERED PROFESSIONAL ENGINEER
MICHAEL D. MYERS
No. 30702
CIVIL
STATE OF CALIFORNIA

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PHASE 2 BAIN STREET TO HOMESTEAD STREET

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SHEET 35 OF 57

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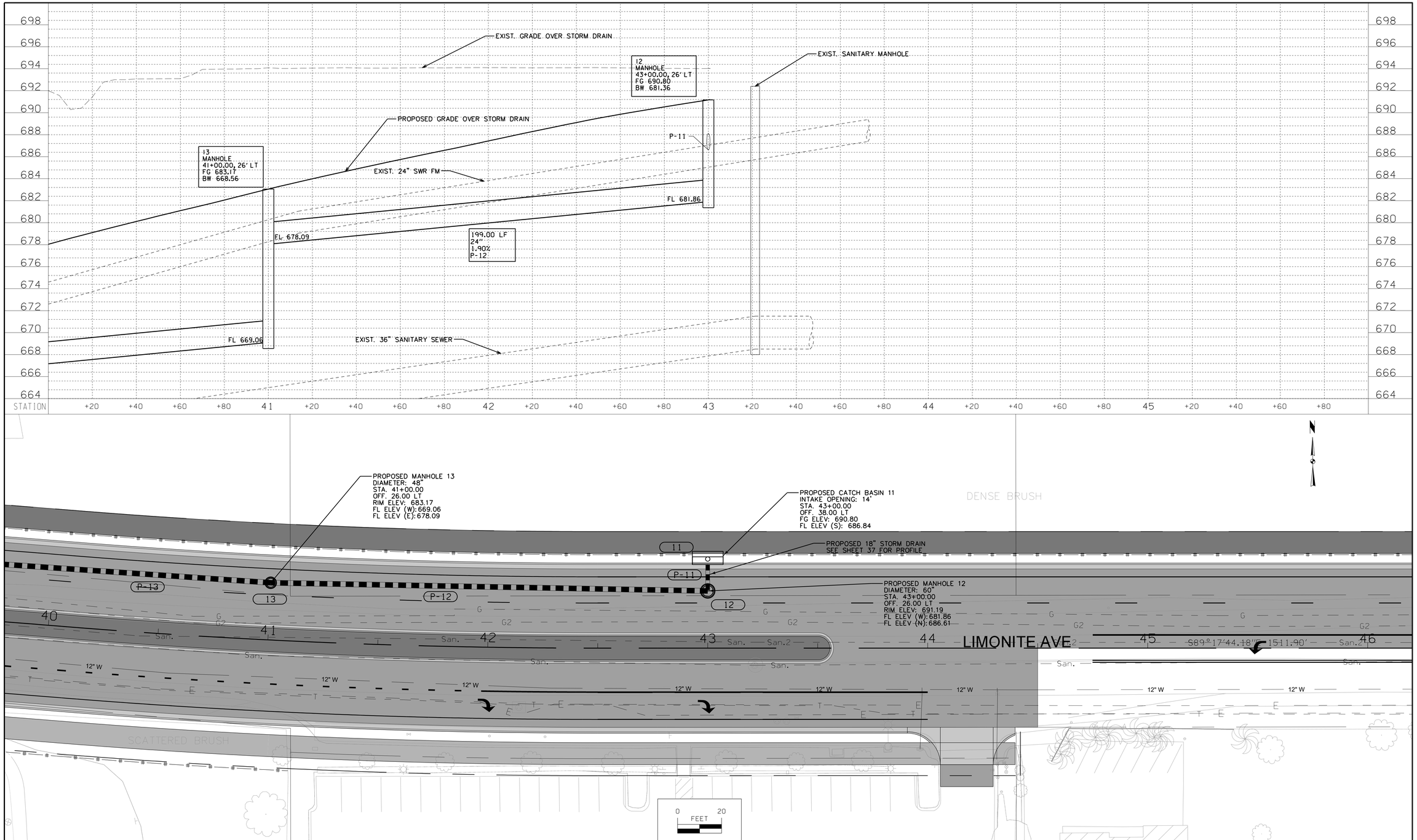

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STORM DRAIN PLAN AND PROFILE

ACCT. NO. XXX.XXXX.XXXXX

SHEET 36 OF 57

CITY I.D. NO.
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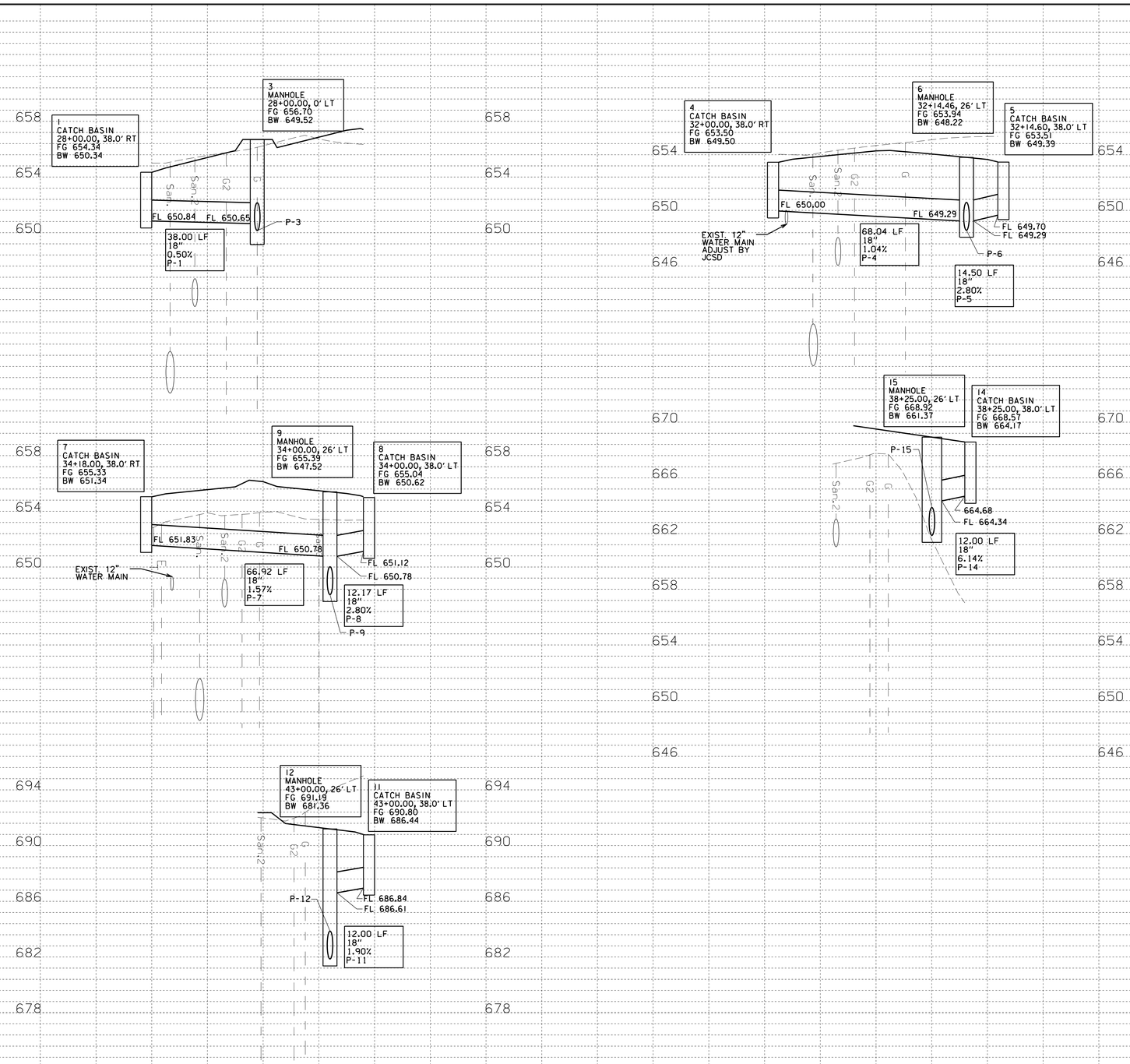

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PHASE 2 BAIN STREET TO HOMESTEAD STREET

STORM DRAIN PROFILES

ACCT. NO. XXX.XXXX.XXXXX

SHEET 37 OF 57

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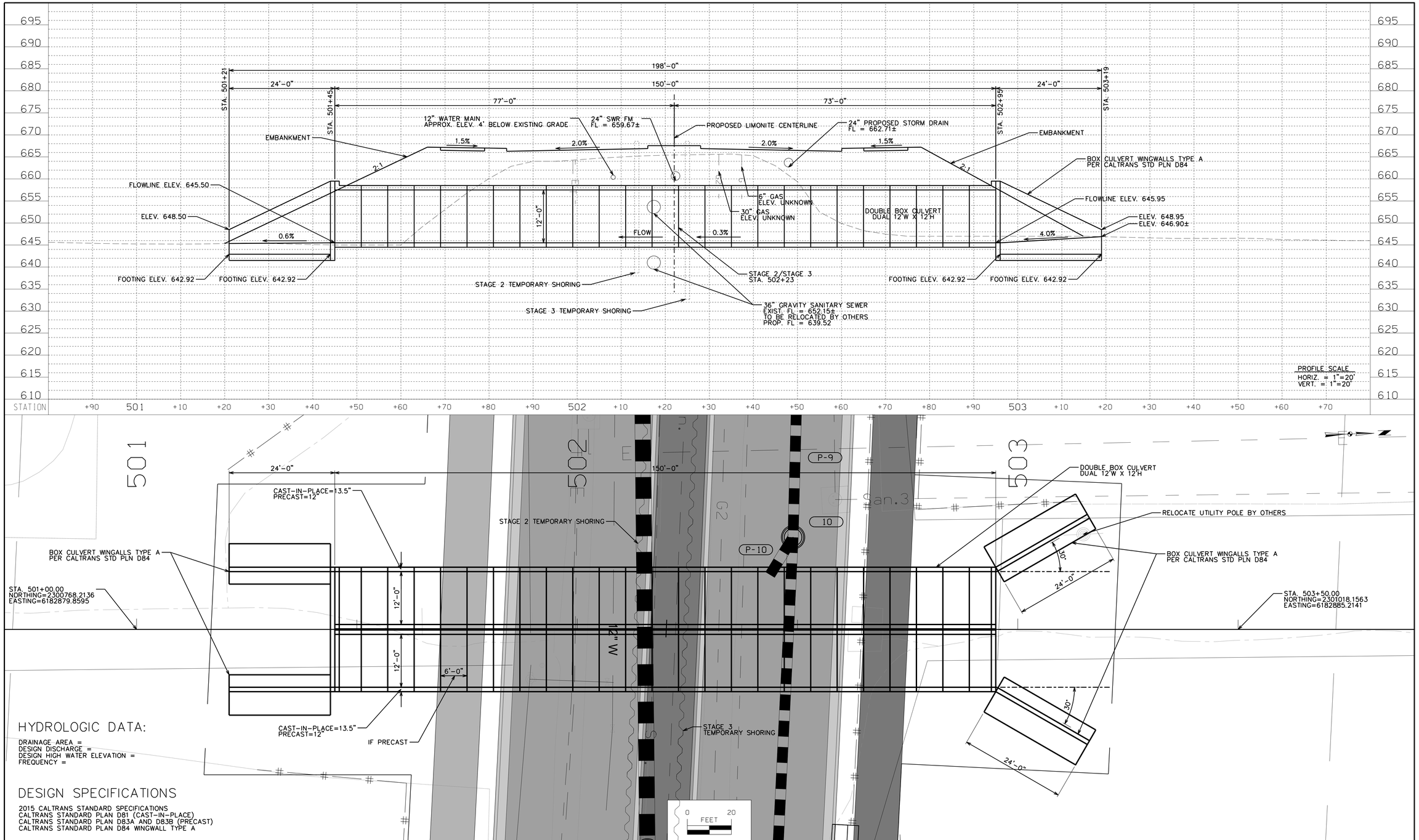
17-B.2



HYDROLOGIC DATA:

DRAINAGE AREA =
DESIGN DISCHARGE =
DESIGN HIGH WATER ELEVATION =
FREQUENCY =

DESIGN SPECIFICATIONS

2015 CALTRANS STANDARD SPECIFICATIONS
CALTRANS STANDARD PLAN D81 (CAST-IN-PLACE)
CALTRANS STANDARD PLAN D83A AND D83B (PRECAST)
CALTRANS STANDARD PLAN D84 WINGWALL TYPE A

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CITY OF JURUPA VALLEY

LIMONITE AVENUE STREET IMPROVEMENT PROJECT
PHASE 2 BAIN STREET TO HOMESTEAD STREET

CULVERT PLAN AND PROFILE

ACCT. NO. XXX.XXXX.XXXXX

SHEET 38 OF 57

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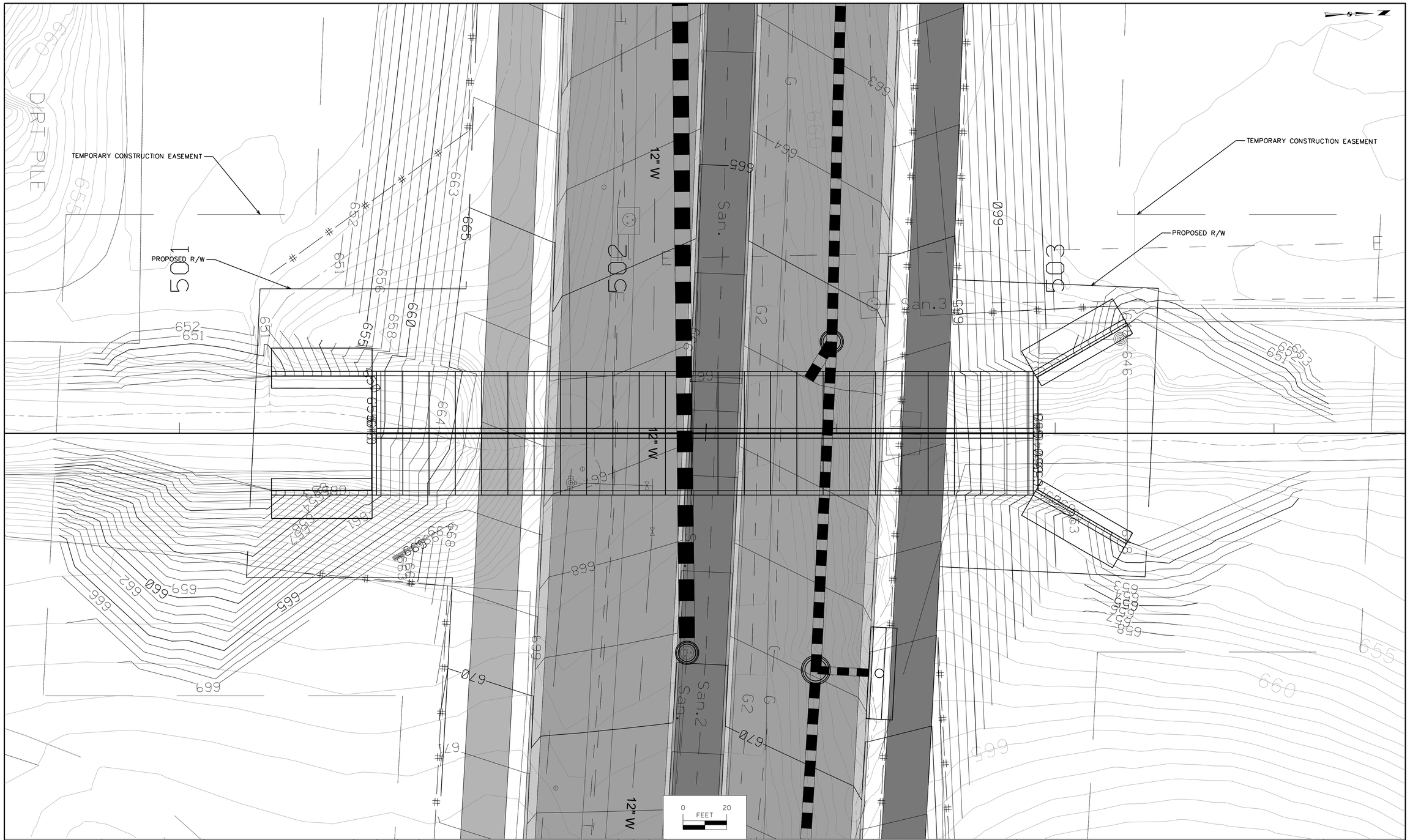

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CITY OF JURUPA VALLEY

LIMONITE AVENUE STREET IMPROVEMENT PROJECT
PHASE 2 BAIN STREET TO HOMESTEAD STREET

CULVERT GRADING PLAN

ACCT. NO. XXX.XXXX.XXXXX

SHEET 39 OF 57

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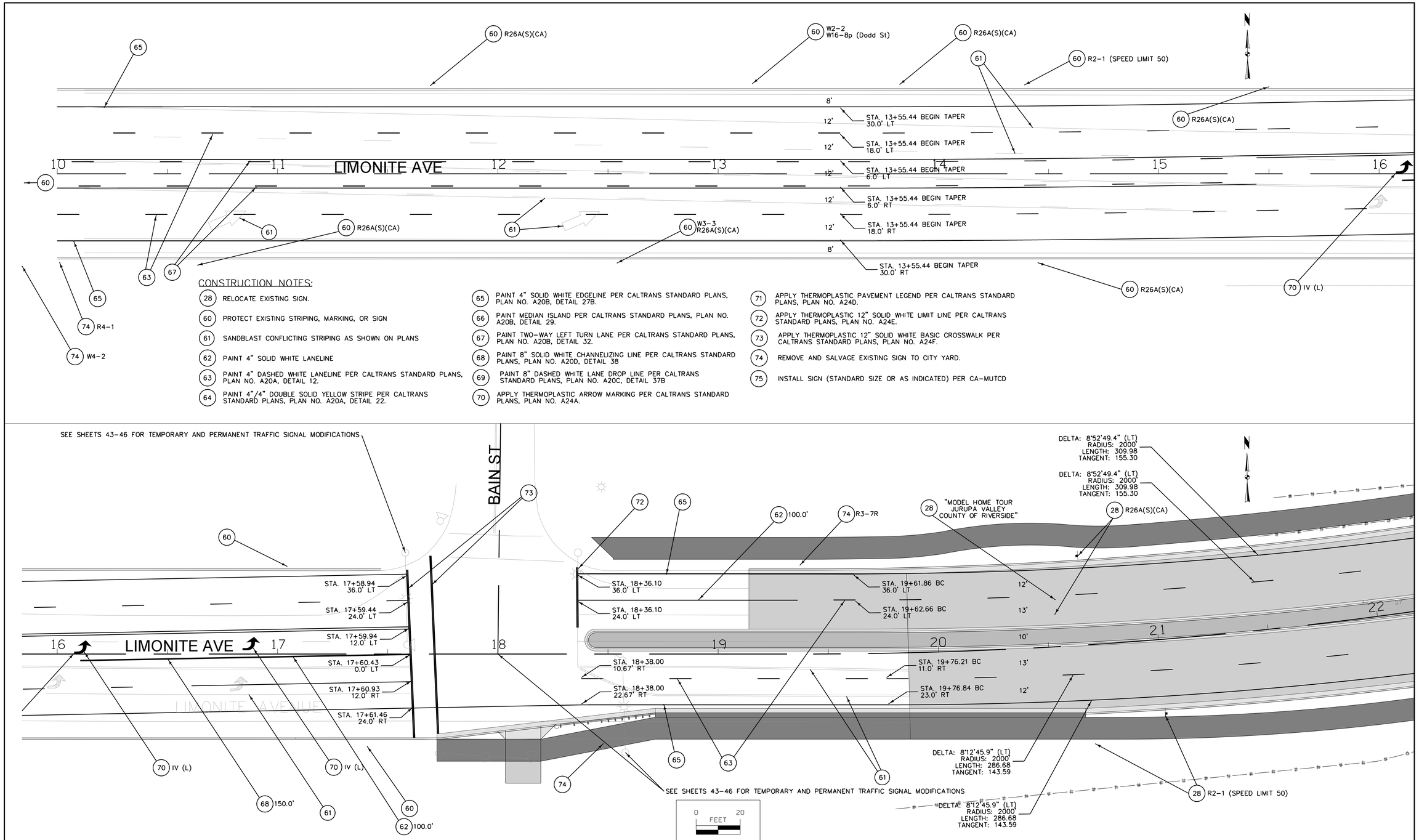

CONSTRUCTION NOTES:

28 RELOCATE EXISTING SIGN.

60 PROTECT EXISTING STRIPING, MARKING, OR SIGN

61 SANDBLAST CONFLICTING STRIPING AS SHOWN ON PLANS

62 PAINT 4" SOLID WHITE LANELINE

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64 PAINT 4"/4" DOUBLE SOLID YELLOW STRIPE PER CALTRANS STANDARD PLANS, PLAN NO. A20A, DETAIL 22.

65 PAINT 4" SOLID WHITE EDGELINE PER CALTRANS STANDARD PLANS, PLAN NO. A20B, DETAIL 27B.

66 PAINT MEDIAN ISLAND PER CALTRANS STANDARD PLANS, PLAN NO. A20B, DETAIL 29.

67 PAINT TWO-WAY LEFT TURN LANE PER CALTRANS STANDARD PLANS, PLAN NO. A20B, DETAIL 32.

68 PAINT 8" SOLID WHITE CHANNELIZING LINE PER CALTRANS STANDARD PLANS, PLAN NO. A20D, DETAIL 38

69 PAINT 8" DASHED WHITE LANE DROP LINE PER CALTRANS STANDARD PLANS, PLAN NO. A20C, DETAIL 37B

70 APPLY THERMOPLASTIC ARROW MARKING PER CALTRANS STANDARD PLANS, PLAN NO. A24A.

71 APPLY THERMOPLASTIC PAVEMENT LEGEND PER CALTRANS STANDARD PLANS, PLAN NO. A24D.

72 APPLY THERMOPLASTIC 12" SOLID WHITE LIMIT LINE PER CALTRANS STANDARD PLANS, PLAN NO. A24E.

73 APPLY THERMOPLASTIC 12" SOLID WHITE BASIC CROSSWALK PER CALTRANS STANDARD PLANS, PLAN NO. A24F.

74 REMOVE AND SALVAGE EXISTING SIGN TO CITY YARD.

75 INSTALL SIGN (STANDARD SIZE OR AS INDICATED) PER CA-MUTCD

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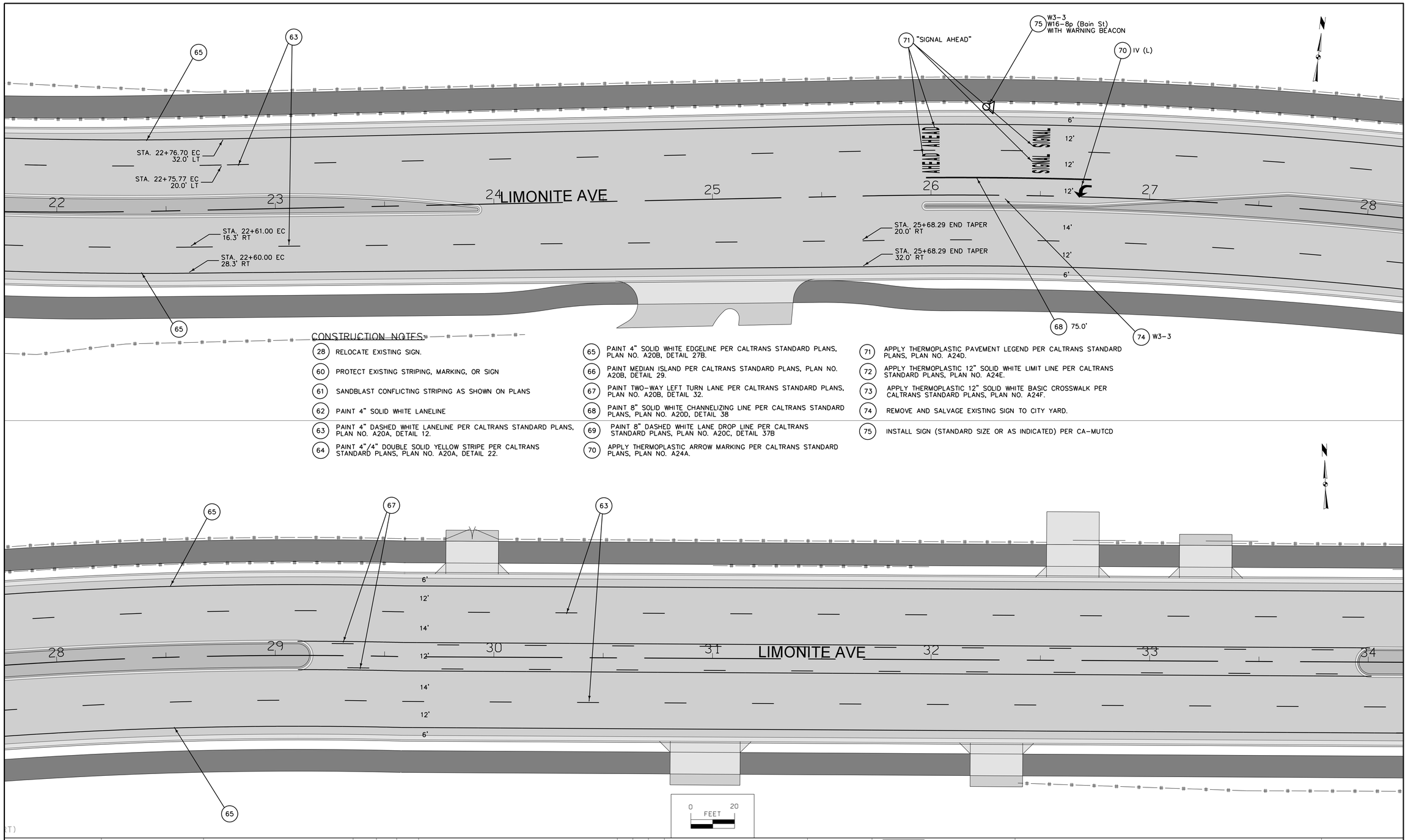
LIMONITE AVENUE STREET IMPROVEMENT PROJECT
PHASE 2 BAIN STREET TO HOMESTEAD STREET

SIGNING, STRIPING AND TRAFFIC SIGNAL PLANS

ACCT. NO. XXX.XXXX.XXXXX

SHEET 39 OF 57

CITY I.D. NO.
17-B.2



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LIMONITE AVENUE STREET IMPROVEMENT PROJECT
PHASE 2 BAIN STREET TO HOMESTEAD STREET

SIGNING, STRIPING AND TRAFFIC SIGNAL PLANS

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SHEET 40 OF 57

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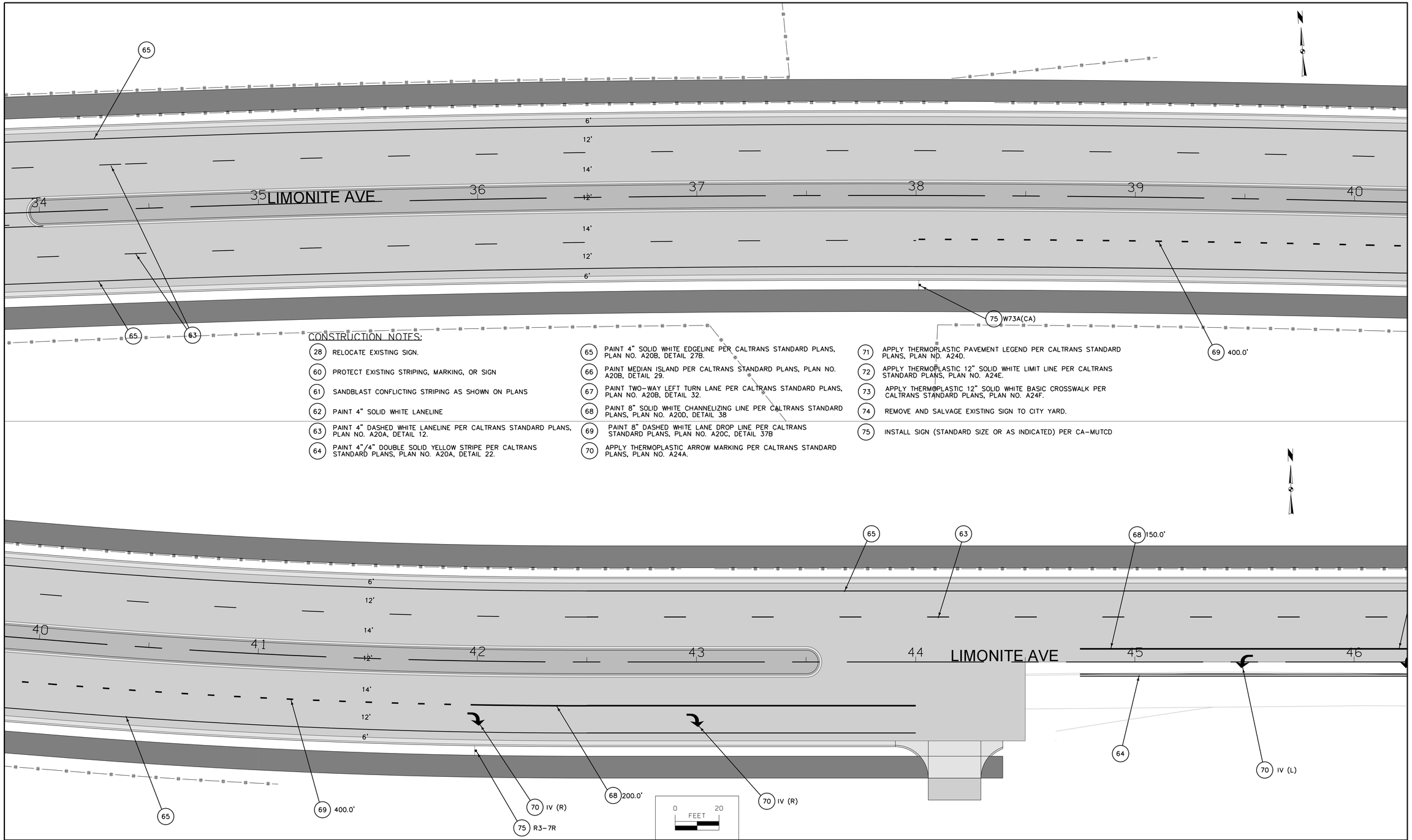

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SIGNING, STRIPING AND TRAFFIC SIGNAL PLANS

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SHEET 41 OF 57

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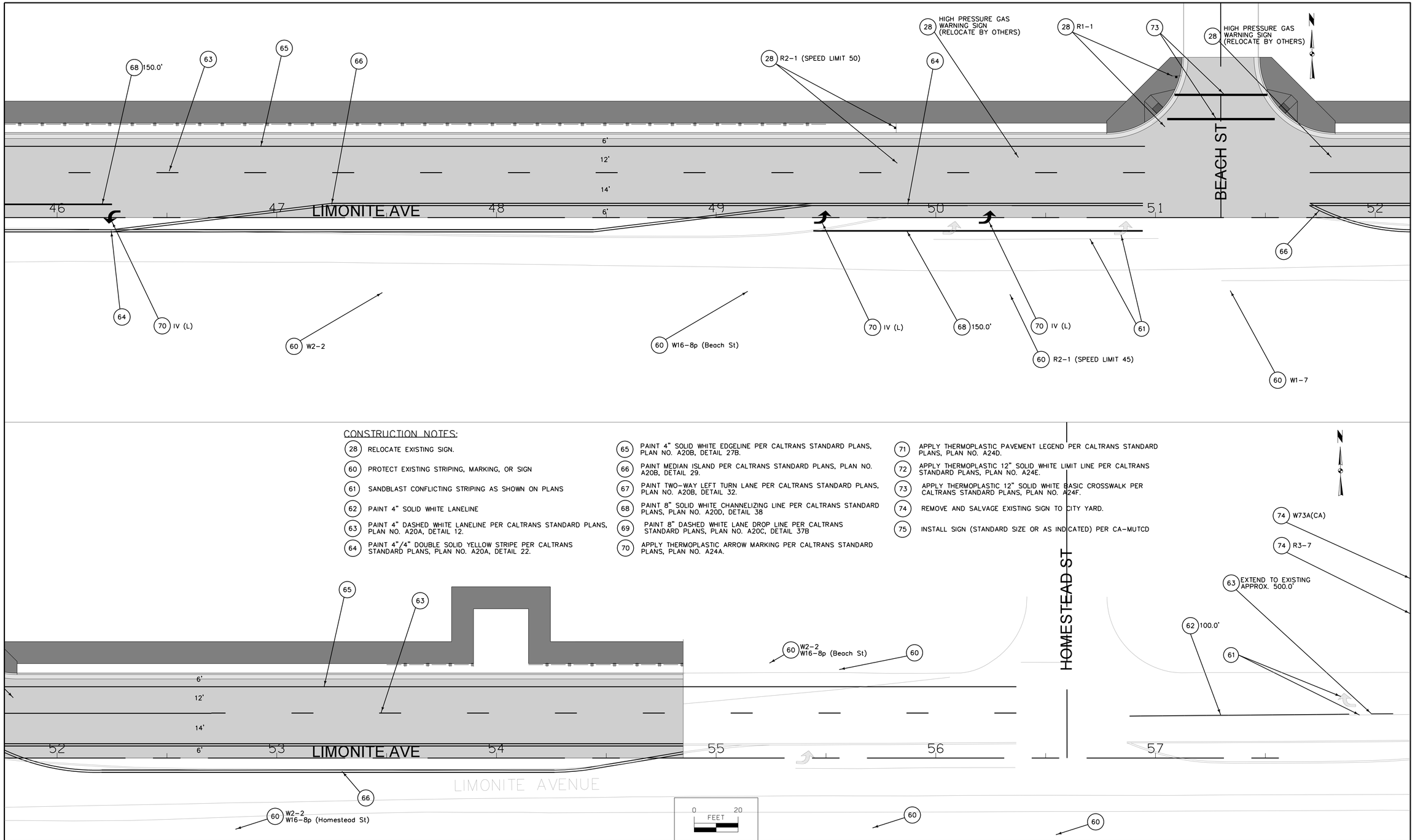

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67 PAINT TWO-WAY LEFT TURN LANE PER CALTRANS STANDARD PLANS, PLAN NO. A20B, DETAIL 32.

68 PAINT 8" SOLID WHITE CHANNELIZING LINE PER CALTRANS STANDARD PLANS, PLAN NO. A20D, DETAIL 38

69 PAINT 8" DASHED WHITE LANE DROP LINE PER CALTRANS STANDARD PLANS, PLAN NO. A20C, DETAIL 37B

70 APPLY THERMOPLASTIC ARROW MARKING PER CALTRANS STANDARD PLANS, PLAN NO. A24A.

71 APPLY THERMOPLASTIC PAVEMENT LEGEND PER CALTRANS STANDARD PLANS, PLAN NO. A24D.

72 APPLY THERMOPLASTIC 12" SOLID WHITE LIMIT LINE PER CALTRANS STANDARD PLANS, PLAN NO. A24E.

73 APPLY THERMOPLASTIC 12" SOLID WHITE BASIC CROSSWALK PER CALTRANS STANDARD PLANS, PLAN NO. A24F.

74 REMOVE AND SALVAGE EXISTING SIGN TO CITY YARD.

75 INSTALL SIGN (STANDARD SIZE OR AS INDICATED) PER CA-MUTCD

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BENCHMARK:
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ENGINEER OF RECORD'S SEAL
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MICHAEL D. MYERS
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TELE: (855) 900-4742
FAX: (855) 641-5877

PLANS PREPARED UNDER THE SUPERVISION OF:

MICHAEL D. MYERS R.C.E. 30702 DATE

CITY OF JURUPA VALLEY

LIMONITE AVENUE STREET IMPROVEMENT PROJECT
PHASE 2 BAIN STREET TO HOMESTEAD STREET

SIGNING, STRIPING AND TRAFFIC SIGNAL PLANS

ACCT. NO. XXX.XXXX.XXXXX

SHEET 42 OF 57

CITY I.D. NO.
17-B.2

CONSTRUCTION NOTES: (THIS SHEET ONLY)

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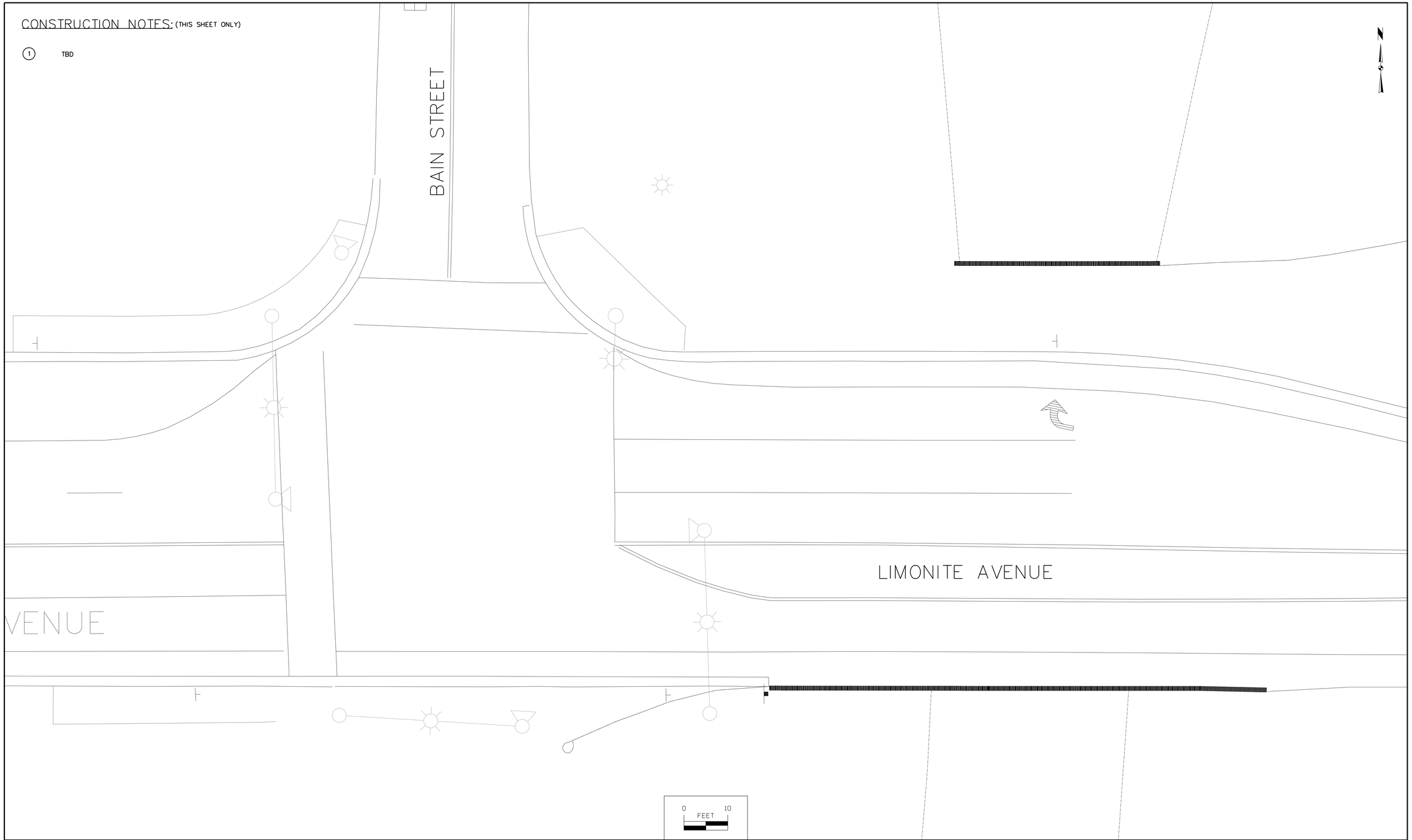

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LIMONITE AVENUE STREET IMPROVEMENT PROJECT
PHASE 2 BAIN STREET TO HOMESTEAD STREET
STAGE 1 TRAFFIC SIGNAL MODIFICATION

SIGNING, STRIPING AND TRAFFIC SIGNAL PLANS

ACCT. NO. XXX.XXXX.XXXXX

SHEET 43 OF 57

CITY I.D. NO.
17-B.2

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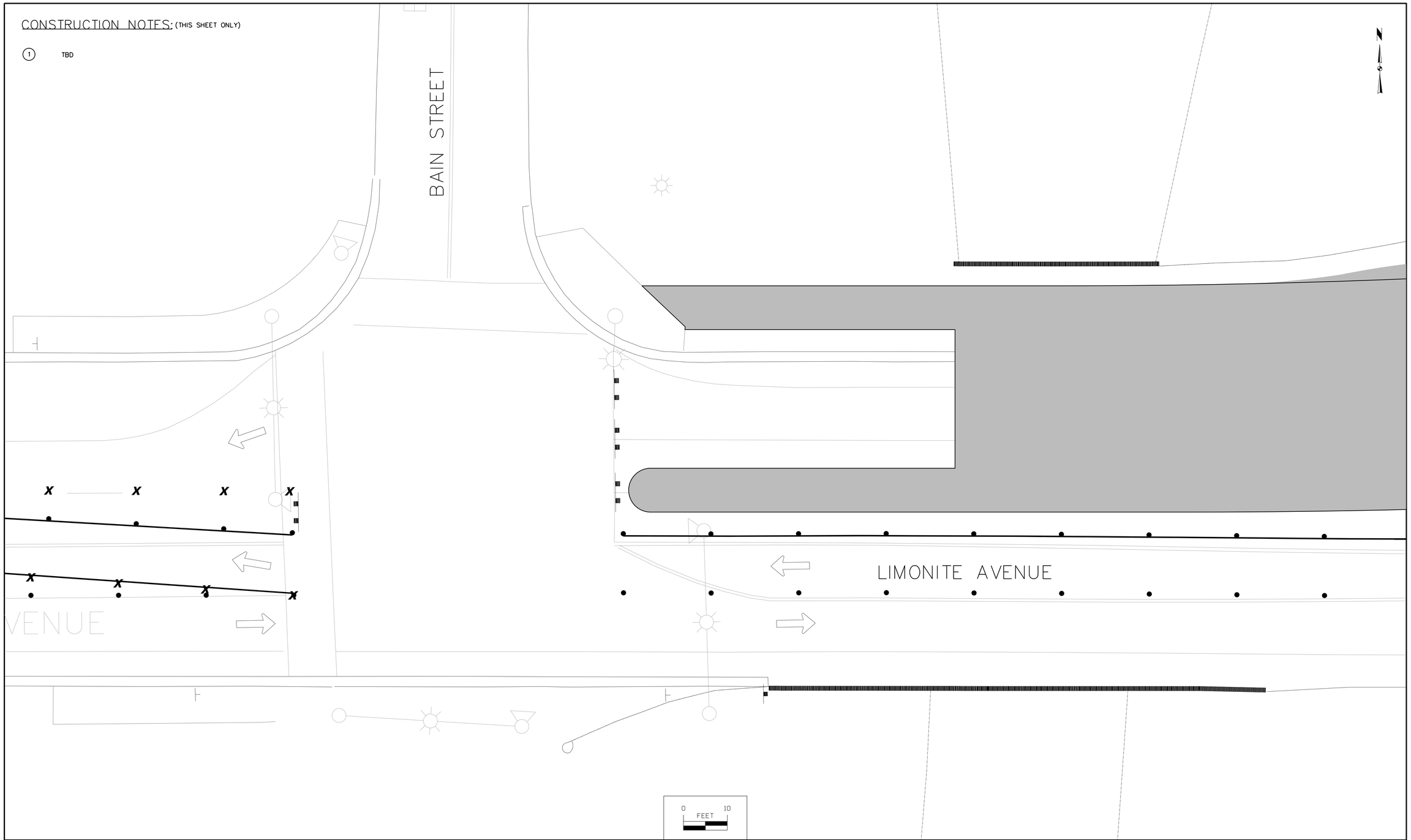

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PHASE 2 BAIN STREET TO HOMESTEAD STREET
STAGE 2 TRAFFIC SIGNAL MODIFICATION

SIGNING, STRIPING AND TRAFFIC SIGNAL PLANS

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SHEET 44 OF 57

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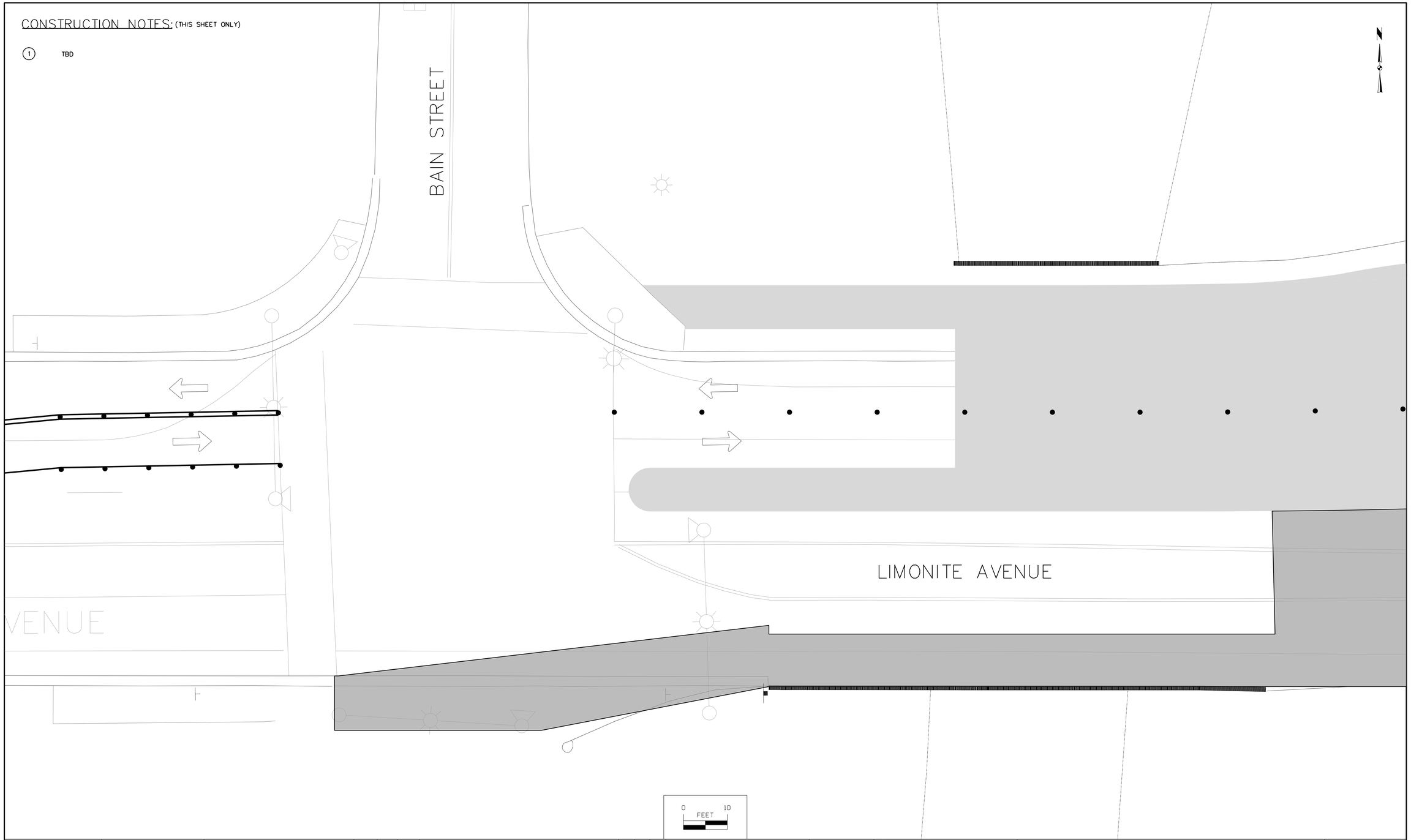

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CITY OF JURUPA VALLEY

LIMONITE AVENUE STREET IMPROVEMENT PROJECT
PHASE 2 BAIN STREET TO HOMESTEAD STREET
STAGE 3 TRAFFIC SIGNAL MODIFICATION

SIGNING, STRIPING AND TRAFFIC SIGNAL PLANS

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SHEET 45 OF 57

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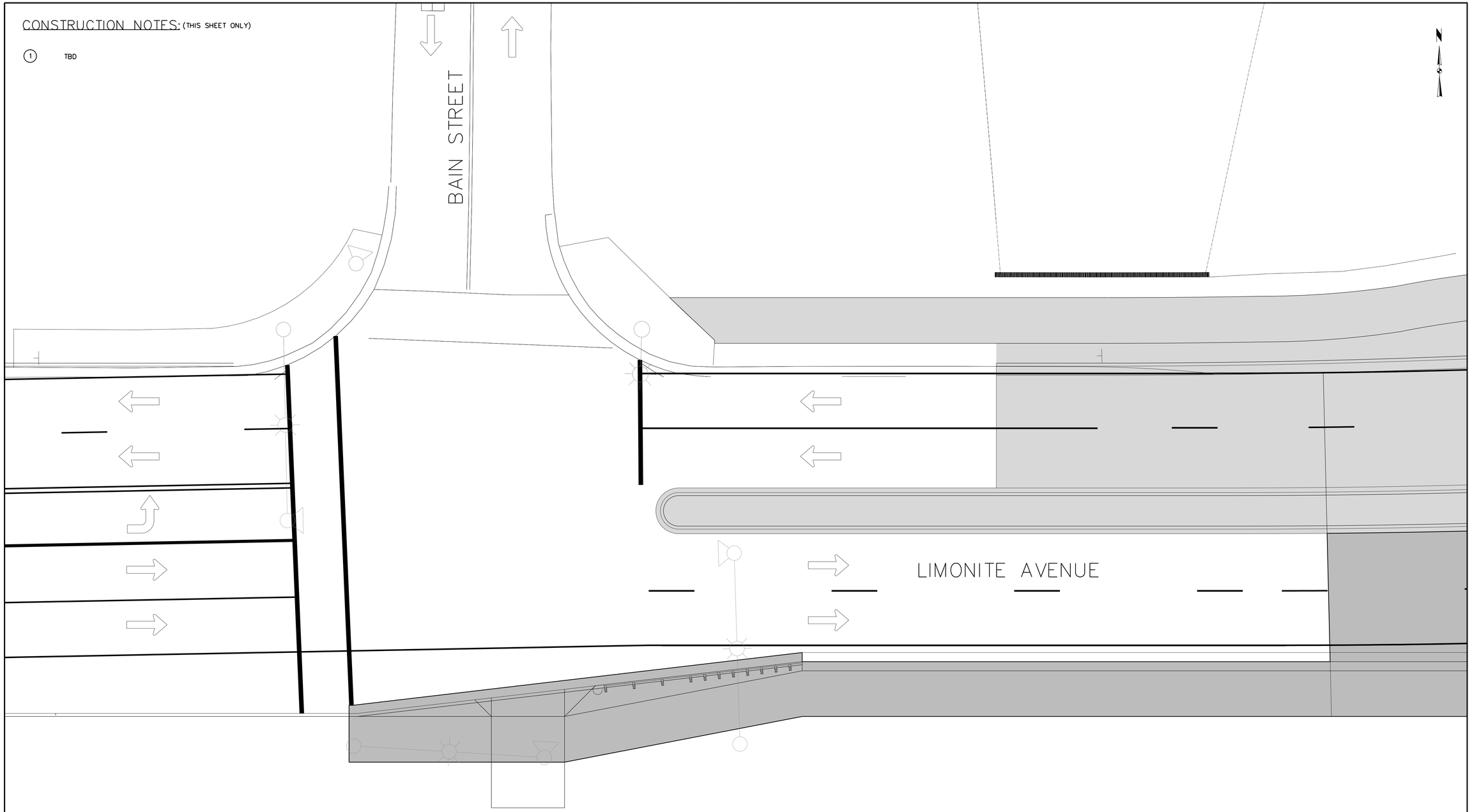

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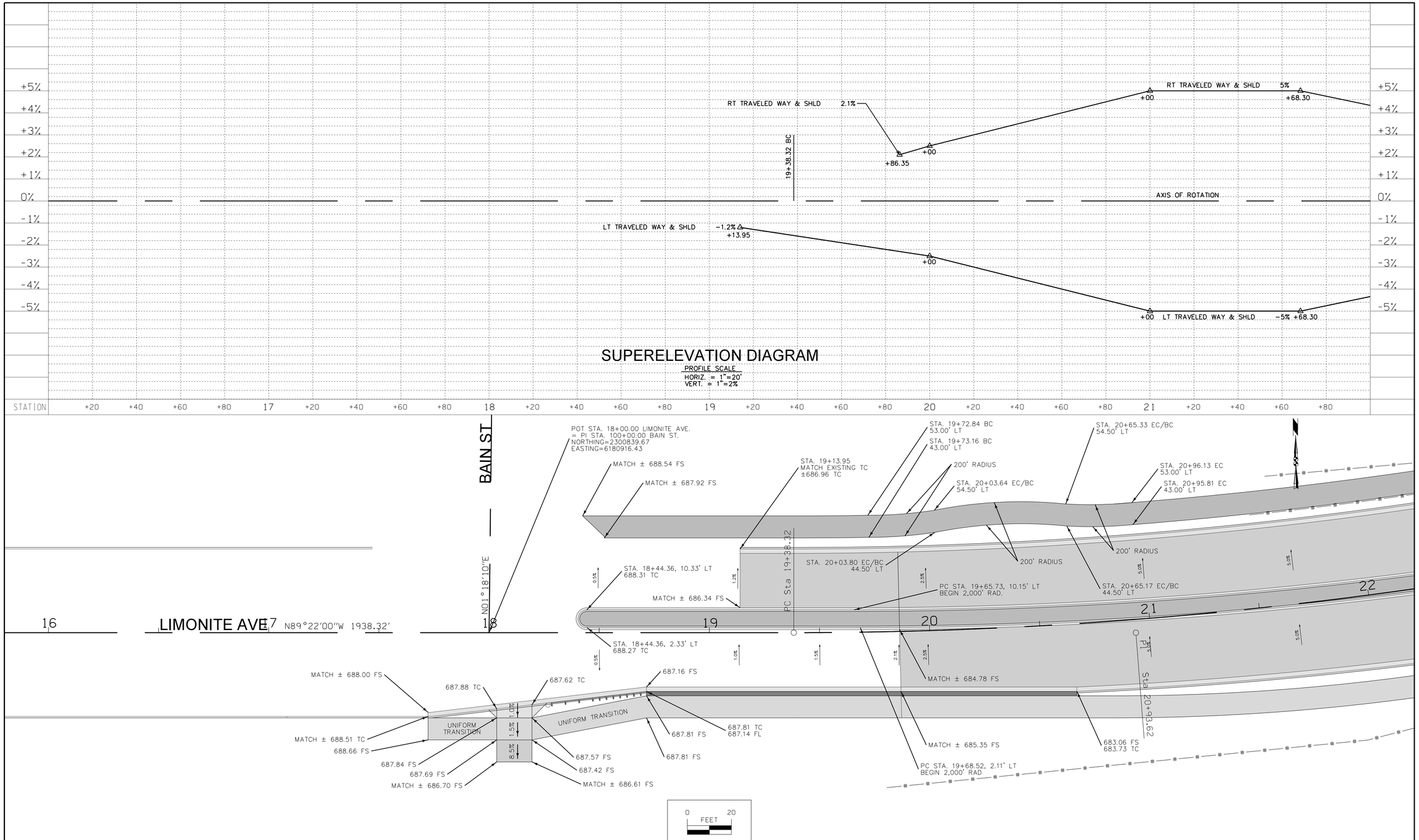
CITY OF JURUPA VALLEY

LIMONITE AVENUE STREET IMPROVEMENT PROJECT
PHASE 2 BAIN STREET TO HOMESTEAD STREET
PERMANENT TRAFFIC SIGNAL MODIFICATION
SIGNING, STRIPING AND TRAFFIC SIGNAL PLANS

ACCT. NO. XXX.XXXX.XXXXX

SHEET 46 OF 57

CITY I.D. NO.
17-B.2



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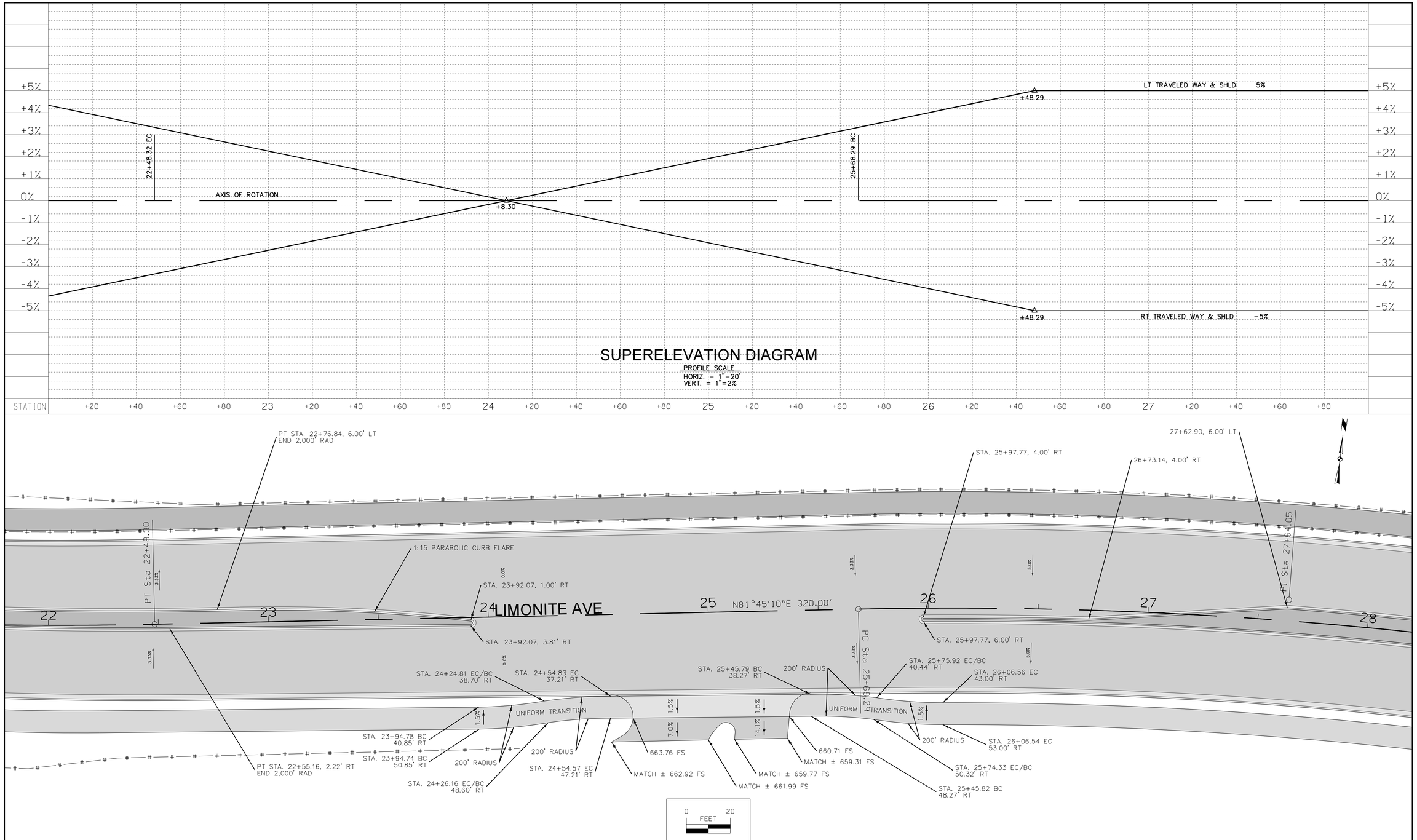
LIMONITE AVENUE STREET IMPROVEMENT PROJECT
PHASE 2 BAIN STREET TO HOMESTEAD STREET

GEOMETRIC, STAKING AND SUPERELEVATION PLANS

ACCT. NO. XXX.XXXX.XXXXX

SHEET 47 OF 57

CITY I.D. NO.
17-B.2



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PHASE 2 BAIN STREET TO HOMESTEAD STREET

GEOMETRIC, STAKING AND SUPERELEVATION PLANS

ACCT. NO. XXX.XXXX.XXXXX

SHEET 48 OF 57

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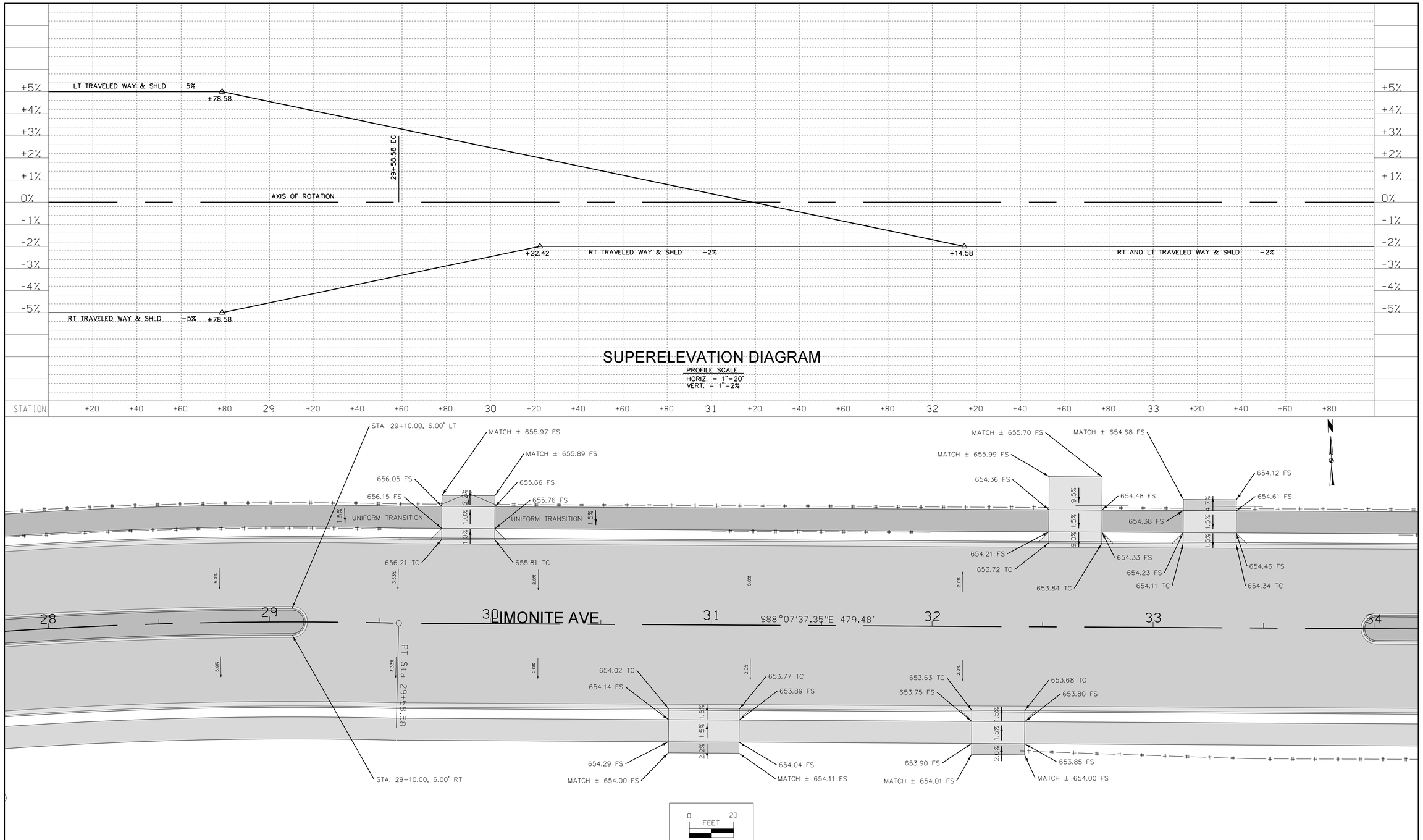

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SHEET 49 OF 57

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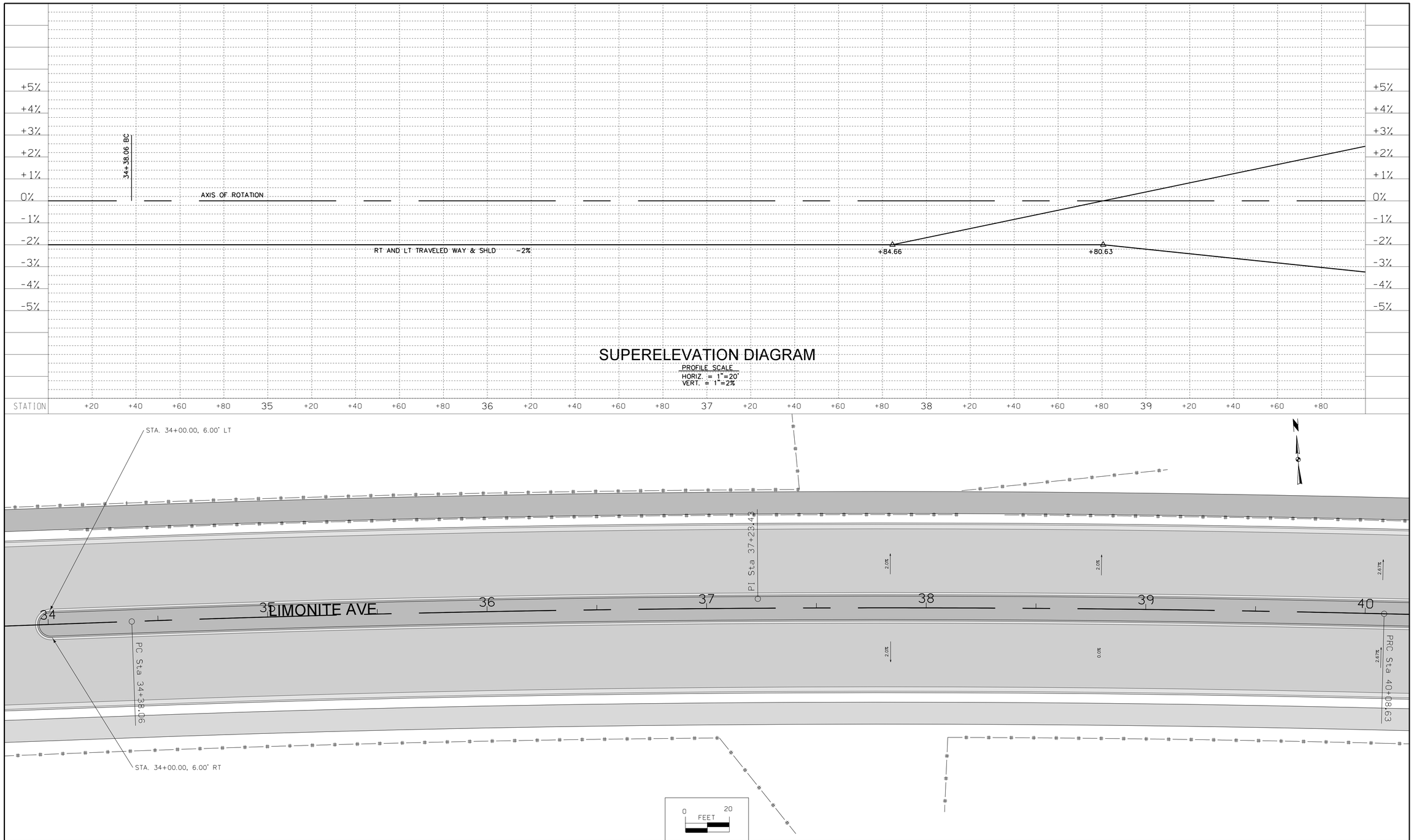

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SHEET 50 OF 57

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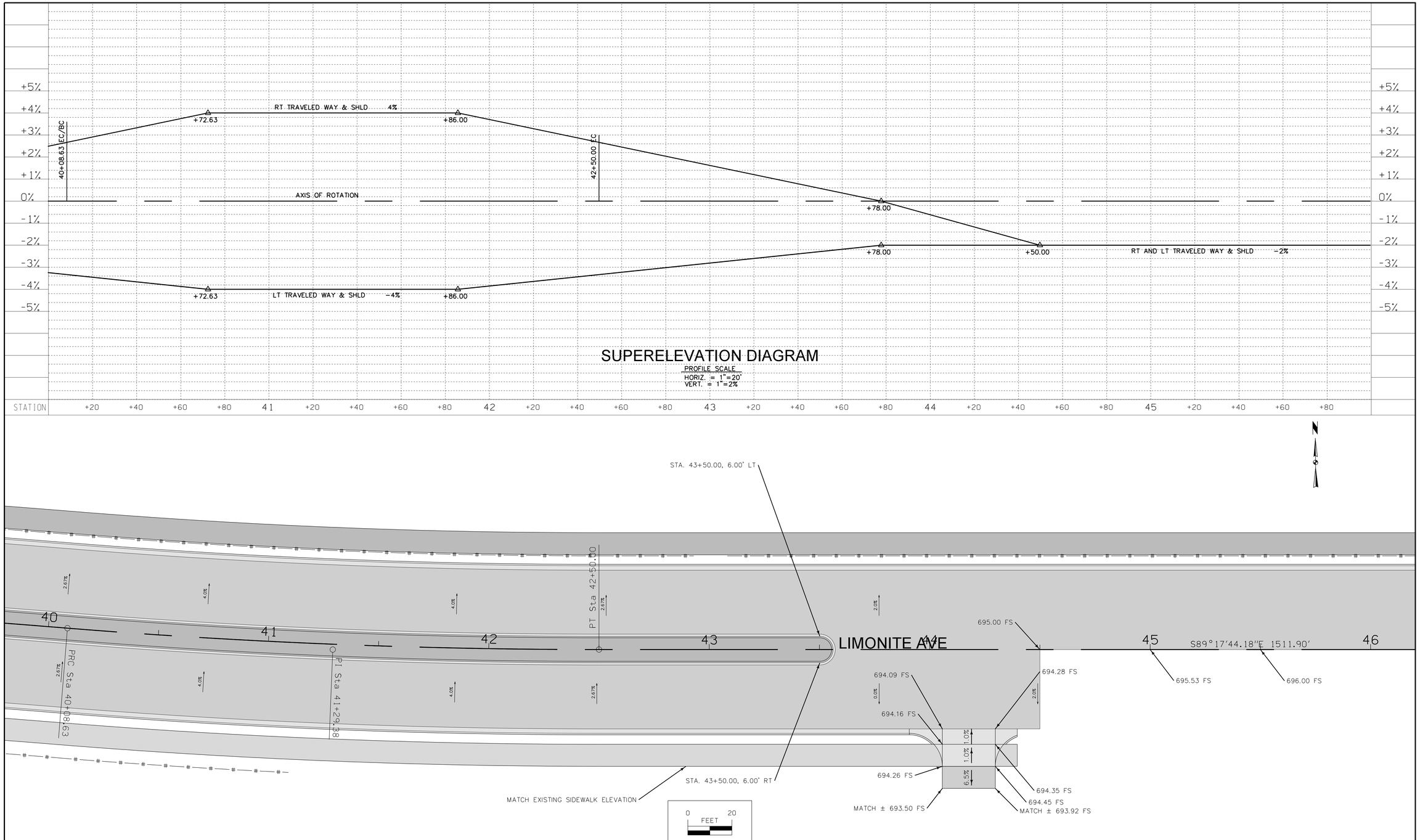

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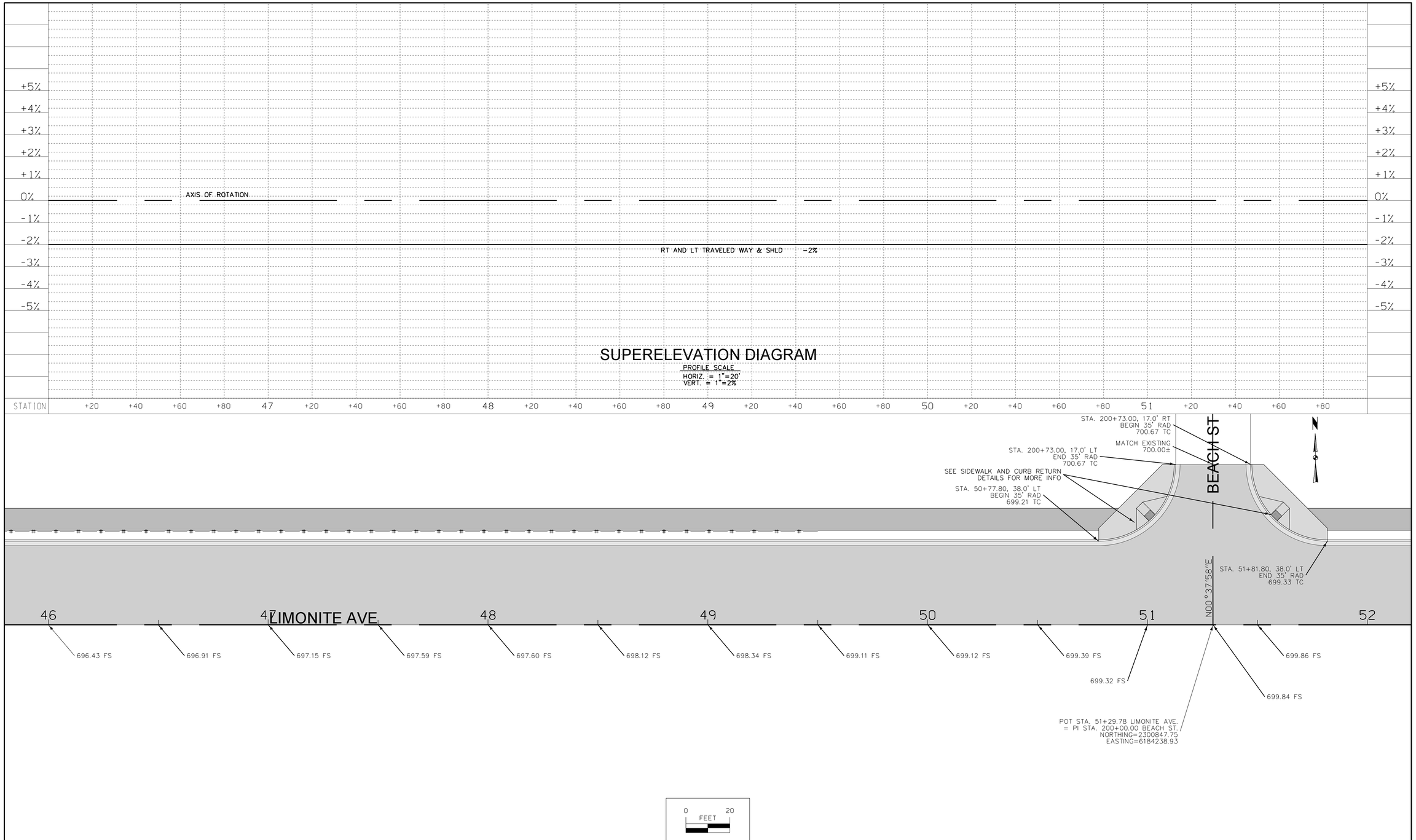

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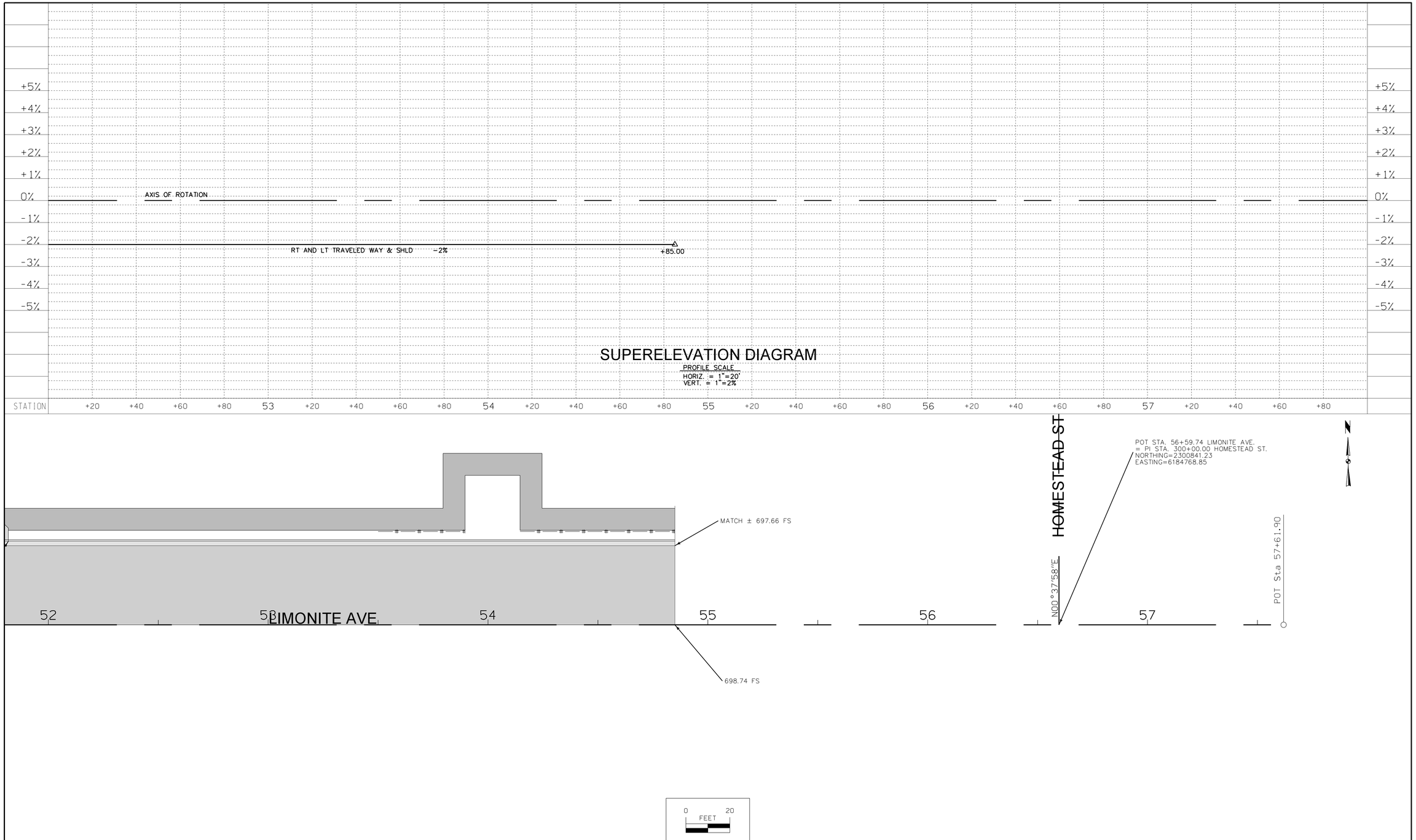
LIMONITE AVENUE STREET IMPROVEMENT PROJECT
PHASE 2 BAIN STREET TO HOMESTEAD STREET

GEOMETRIC, STAKING AND SUPERELEVATION PLANS

ACCT. NO. XXX.XXXX.XXXXX

SHEET 52 OF 57

CITY I.D. NO.
17-B.2



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8930 LIMONITE AVE
JURUPA VALLEY, CA 92509
TEL: (951) 332-6464
EMAIL: ENGINEERING@JURUPAVALLEY.ORG

IMPORTANT NOTE:
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THE PRIVATE ENGINEER SIGNING THESE PLANS IS RESPONSIBLE FOR ASSURING THE ACCURACY AND ACCEPTABILITY OF THE DESIGN HEREON. IN THE EVENT OF DISCREPANCIES ARISING AFTER CITY APPROVAL OR DURING CONSTRUCION, THE PRIVATE ENGINEER SHALL BE RESPONSIBLE FOR DETERMINING AN ACCEPTABLE SOLUTION AND REVISING THE PLANS FOR APPROVAL BY THE CITY.

MARK	DATE	INITIAL	DESCRIPTION	REC.	APPR	DATE
		E.O.R.	REVISION			

BENCHMARK:
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ENGINEER OF RECORD'S SEAL
REGISTERED PROFESSIONAL ENGINEER
MICHAEL D. MYERS
No. 30702
CIVIL
STATE OF CALIFORNIA

HRGreen
HR GREEN PACIFIC, INC.
1260 CORONA POINTE COURT
SUITE 305
CORONA, CA 92879
TELE: (855) 900-4742
FAX: (855) 641-5877

PLANS PREPARED UNDER THE SUPERVISION OF:

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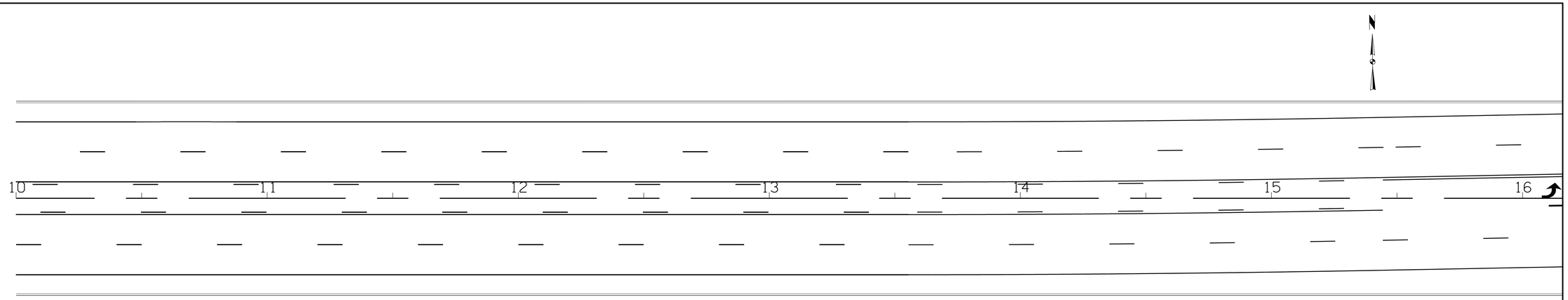

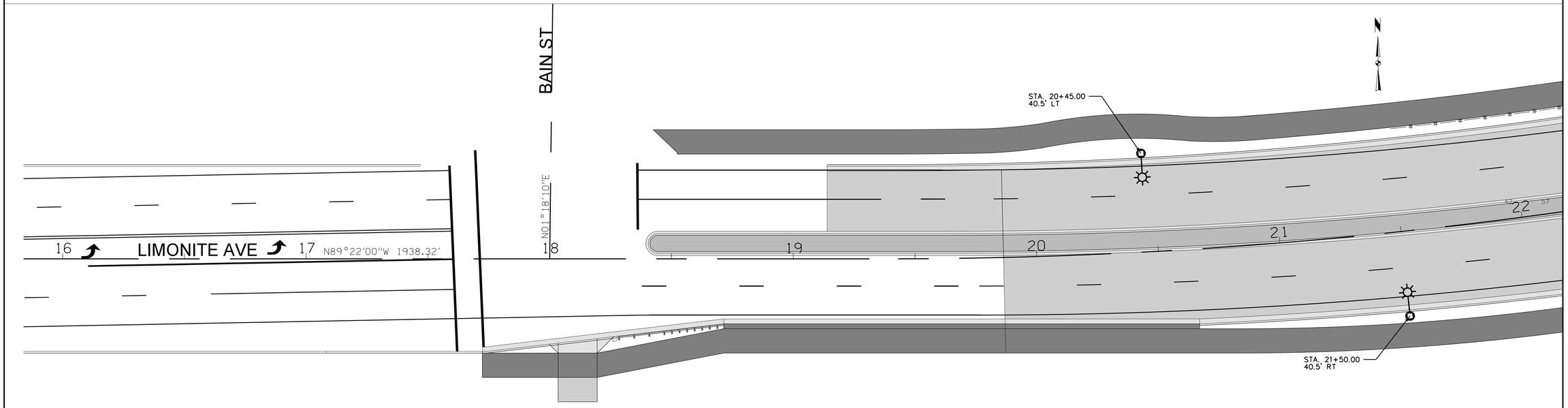

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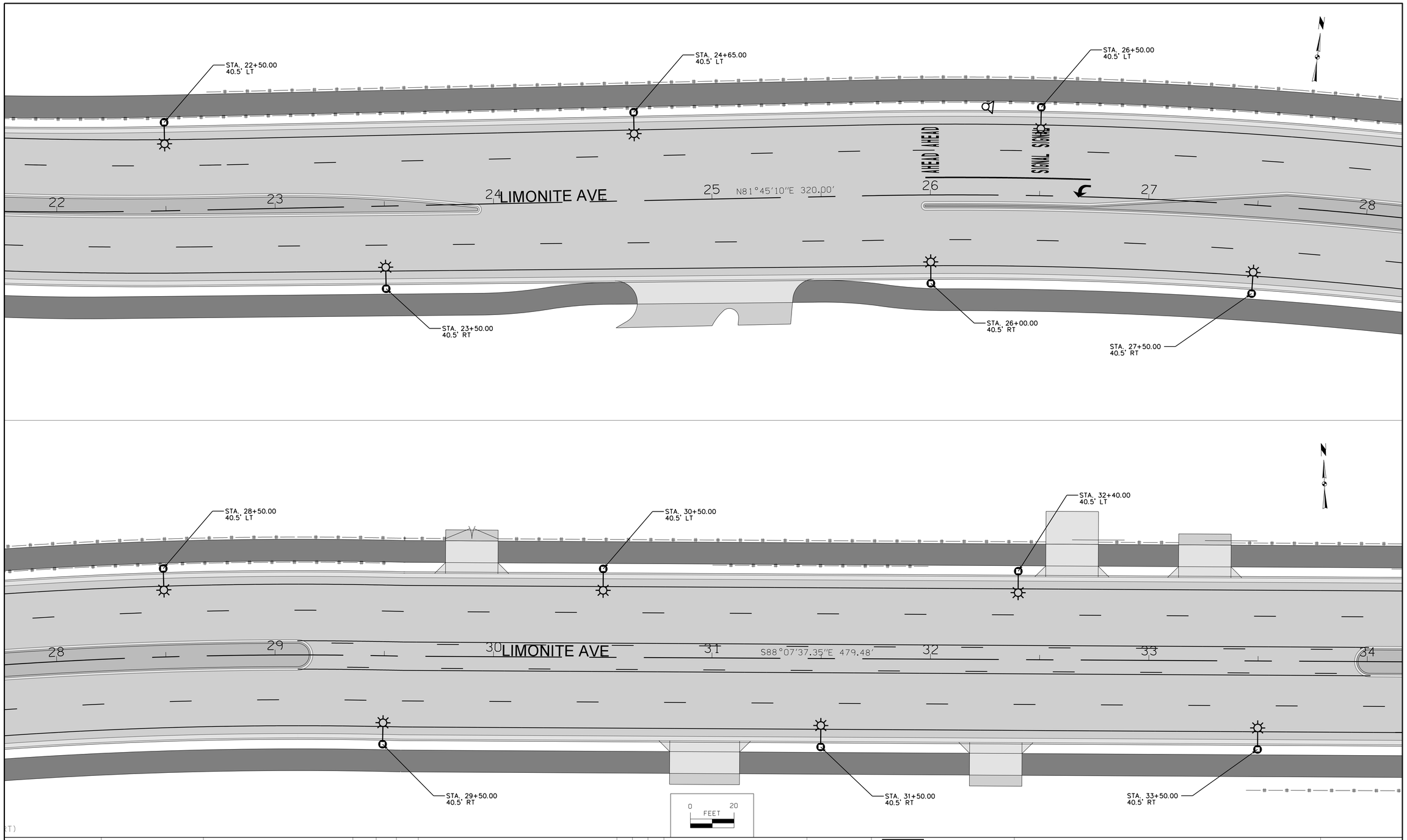
STREETLIGHTING PLANS

ACCT. NO. XXX.XXXX.XXXXX

SHEET 54 OF 57

CITY I.D. NO.
17-B.2



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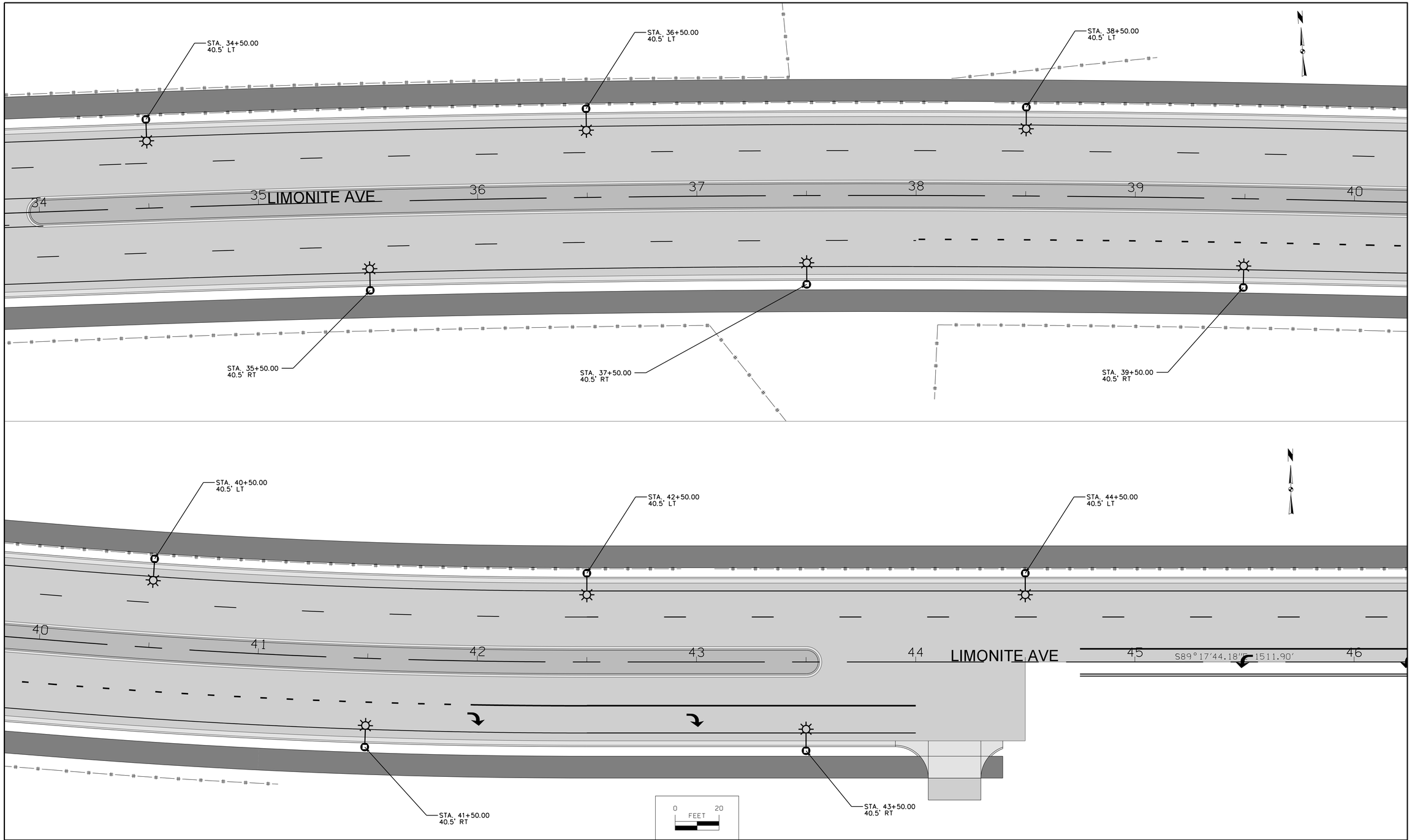

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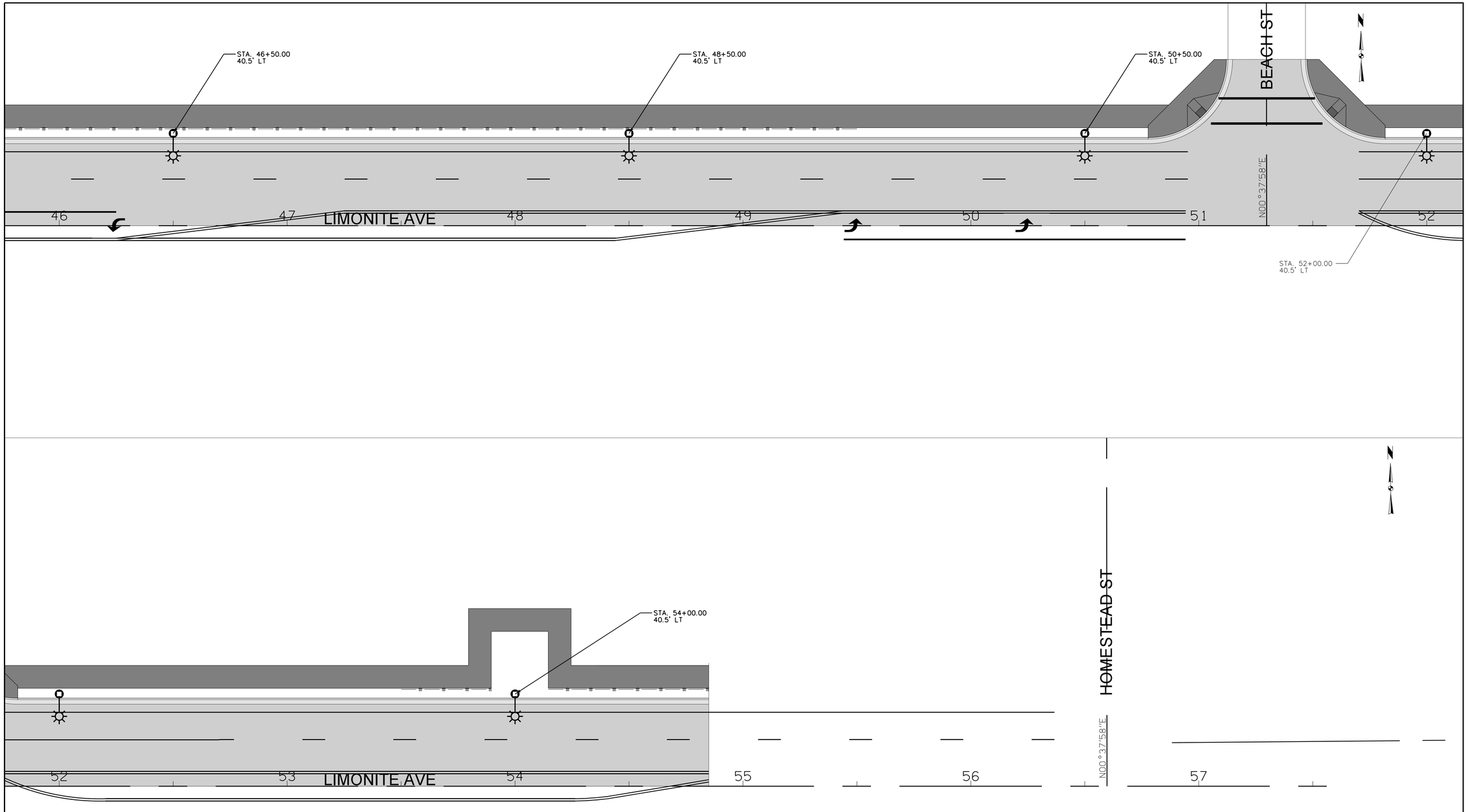

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