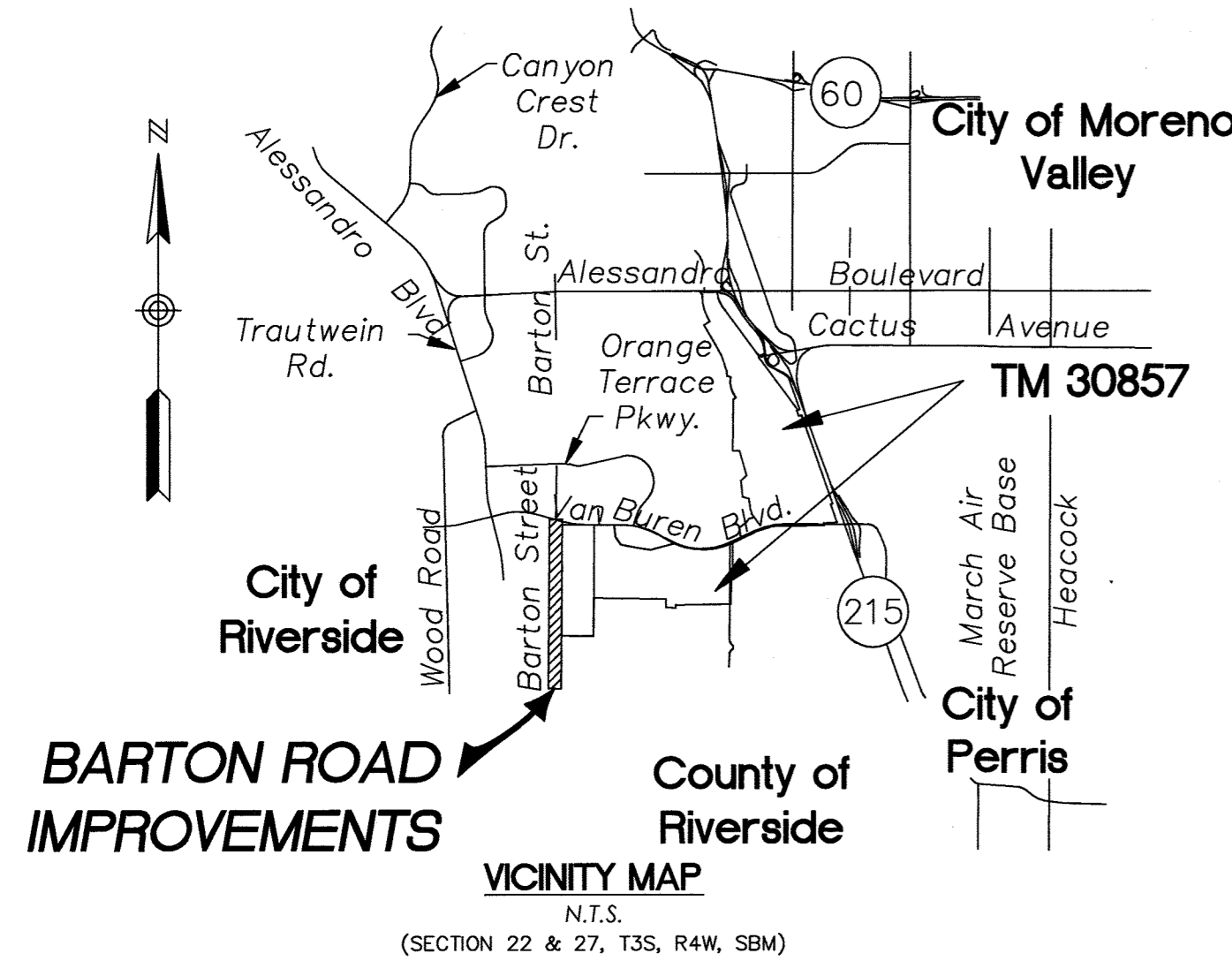
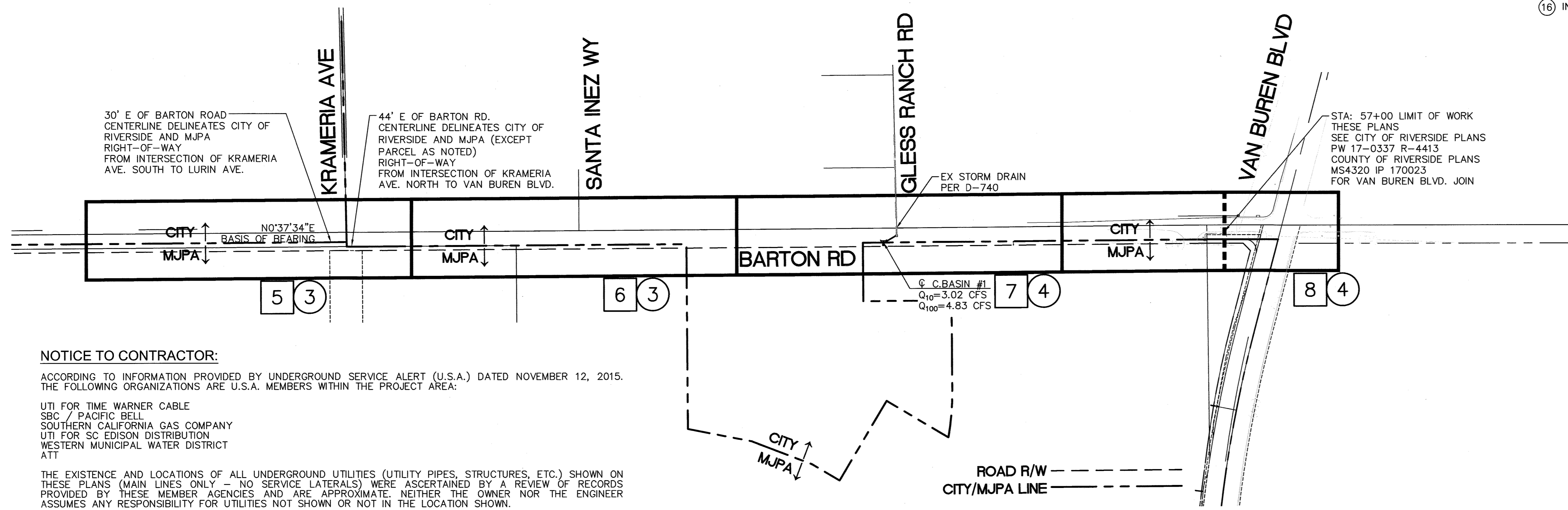


MERIDIAN - SOUTH CAMPUS STREET IMPROVEMENT PLANS TRACT NO. 30857



ITEM	LEGEND:	QUANTITY	UNIT
1	CONSTRUCT AC OVER AB PER GEOTECHNICAL REPORT, SEE SHEET 2 FOR PAVEMENT SECTION.	123,300	SF
2	CONSTRUCT SIDEWALK PER CITY OF RIVERSIDE STD. 325, SEE SHEET 15.	16,920	SF
3	CONSTRUCT VEGETATED PARKWAY SWALE PER DETAIL ON SHEET 2	32,480	SF
4	CONSTRUCT CURB RAMP PER CITY OF RIVERSIDE STANDARD 304 TYPE 1.	2	EA
5	CONSTRUCT 6" CURB AND GUTTER PER CITY OF RIVERSIDE STD. 200, SEE SHEET 15.	2,920	LF
6	CONSTRUCT CATCH BASIN PER CITY OF RIVERSIDE STANDARD DRAWING 405. REFER TO SHEET 15.	1	EA
7	INSTALL STREET LIGHT PER SEPARATE PLANS.		N/A
8	PROVIDE SAWCUT ALONG EDGE OF PAVEMENT PER DETAIL "A" SHEET 2	2,610	LF
9	CONSTRUCT MANHOLE E2 PER CITY OF RIVERSIDE STANDARD DRAWING NO 431 SEE SHEET 16	1	EA
10	CONSTRUCT 30" RCP STORM DRAIN 2000D	35	LF
11	CONSTRUCT CSP RISER PER PER DETAIL ON SHEET 15. CONNECT TO CURB INLET 30" RCP 1% MIN. SLOPE.	1	EA
12	RELOCATE EXISTING WATER FACILITIES PER SEPARATE WESTERN MUNICIPAL WATER DISTRICT PLANS.	6	EA
13	CONSTRUCT ASPHALT BERM PER CITY OF RIVERSIDE STD. 250, TYPE 1, MODIFIED FOR 8" BERM HEIGHT. LIMITS PER PLAN. SEE DETAIL ON SHEET 15.	600	LF
14	CONSTRUCT CONCRETE CROSS GUTTER PER CITY OF RIVERSIDE STD. 220. SEE SHEET 15.	1	EA
15	GC TO PROVIDE BID LINE ITEM FOR UNDERGROUNDING EXISTING OVERHEAD LINES AND RECONNECT TO EXISTING POLE (TO REMAIN AS SHOWN PER PLAN)	185	LF
16	INSTALL 2" X 4" REDWOOD HEADER PER CITY OF RIVERSIDE STANDARDS	125	LF



SHEET INDEX

SHEET NO.	DESCRIPTION
1	TITLE SHEET
2	GENERAL NOTES AND DETAILS
3	BARTON ROAD DEMOLITION PLAN 22+00-TO 42+00
4	BARTON ROAD DEMOLITION PLAN 42+00 TO 60+50
5	BARTON ROAD 22+00 TO 32+00
6	BARTON ROAD 32+00 TO 42+00
7	BARTON ROAD 42+00 TO 52+00
8	BARTON ROAD 52+00 TO 62+00
9	BARTON SECTIONS
10	BARTON SECTIONS
11	BARTON SECTIONS
12	BARTON SECTIONS
13	BARTON SECTIONS
14	BARTON SD PLAN AND PROFILE
15	DETAILS
16	DETAILS

SHEET INDEX LEGEND:

- DEMOLITION SHEETS: (X)
- IMPROVEMENT SHEETS: (X)
- REFERENCE PLANS:
 - VAN BUREN BOULEVARD PHASE III STORM DRAIN PLANS
 - VAN BUREN BOULEVARD PHASE III SIGNAL PLANS
 - VAN BUREN BOULEVARD PHASE III STREET LIGHT PLANS
 - VAN BUREN BOULEVARD PHASE III SIGNING AND STRIPING PLANS
 - VAN BUREN BOULEVARD IMPROVEMENT PLANS
 - BARTON ROAD SIGNAL PLANS
 - BARTON ROAD STREET LIGHTING PLANS
 - BARTON ROAD SIGNING AND STRIPING PLANS
- BASIS OF BEARING:

THE BEARINGS SHOWN HEREON ARE BASED ON THE CENTERLINE OF BARTON STREET AS SHOWN ON TRACT NO. 30857-7, FILED IN MAP BOOK 452, PAGES 54-65, BEING NORTH 00° 37' 34" EAST.

WORK TO BE DONE:

- THE IMPROVEMENTS CONSIST OF THE FOLLOWING WORK TO BE DONE ACCORDING TO THESE PLANS AND THE FOLLOWING SPECIFICATIONS AND STANDARD DRAWINGS OR AS APPROVED BY THE MJPA PUBLIC WORKS DIRECTOR:
- PRIMARY STANDARD:
 - 1. COUNTY OF RIVERSIDE, STATE OF CALIFORNIA. COUNTY ROAD IMPROVEMENT STANDARDS AND SPECIFICATION. FILLED DECEMBER 20, 2007. AND COMPLIES WITH THE ADA REQUIREMENTS.
 - SUPPLEMENTAL STANDARDS:
 - 2. STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (2012 EDITION).
 - 3. CALIFORNIA DEPARTMENT OF TRANSPORTATION "MANUAL OF TRAFFIC CONTROLS FOR CONSTRUCTION AND MAINTENANCE WORK ZONE". (2014 EDITION.)
 - 4. STATE OF CALIFORNIA, DEPARTMENT OF TRANSPORTATION. STANDARD SPECIFICATION (2010 EDITION).
 - 5. ANY IMPROVEMENTS NOT IN COMPLIANCE WITH THE ADA REQUIREMENTS SHALL BE REMOVED AND REPLACED AT CONTRACTOR EXPENSE.
- NOTE:
SEE SHEET NO. 2 FOR ABBREVIATIONS LIST.

NOTICE TO CONTRACTOR:

ACCORDING TO INFORMATION PROVIDED BY UNDERGROUND SERVICE ALERT (U.S.A.) DATED NOVEMBER 12, 2015. THE FOLLOWING ORGANIZATIONS ARE U.S.A. MEMBERS WITHIN THE PROJECT AREA:

UTI FOR TIME WARNER CABLE
SBC / PACIFIC BELL
SOUTHERN CALIFORNIA GAS COMPANY
UTI FOR SC EDISON DISTRIBUTION
WESTERN MUNICIPAL WATER DISTRICT
ATT

THE EXISTENCE AND LOCATIONS OF ALL UNDERGROUND UTILITIES (UTILITY PIPES, STRUCTURES, ETC.) SHOWN ON THESE PLANS (MAIN LINES ONLY - NO SERVICE LATERALS) WERE ASCERTAINED BY A REVIEW OF RECORDS PROVIDED BY THESE MEMBER AGENCIES AND ARE APPROXIMATE. NEITHER THE OWNER NOR THE ENGINEER ASSUMES ANY RESPONSIBILITY FOR UTILITIES NOT SHOWN OR NOT IN THE LOCATION SHOWN.

THE CONTRACTOR IS REQUIRED TO TAKE DUE PRECAUTIONARY MEASURES TO PROTECT ALL UTILITIES SHOWN ON THESE PLANS AND/OR ANY OTHER UNDERGROUND UTILITIES NOT OF RECORD OR NOT SHOWN ON THESE PLANS.

CALL UNDERGROUND SERVICE ALERT (U.S.A.) 1-800-227-2600 AT LEAST 2 WORKING DAYS PRIOR TO EXCAVATION.

THE QUANTITY ESTIMATE SHOWN HEREON IS FOR THE USE OF GOVERNING AGENCIES IN DETERMINING BOND AMOUNTS AND/OR FEES AND IS NOT TO BE USED FOR BID PURPOSES.

THE CONTRACTOR IS RESPONSIBLE TO INSURE THAT ALL SIDEWALKS RAMP, RAILS CLEARANCES AND APPURTENANCES MEET OR EXCEED THE MOST STRINGENT REQUIREMENTS OF CITY, COUNTY, STATE OR FEDERAL GOVERNMENT FOR ACCESSIBILITY.

ADDITIONALLY ALL SIDEWALK FORMS SHALL BE INSPECTED AND APPROVED BY CITY, COUNTY, STATE OR GOVERNING AGENCY FOR CONFORMANCE WITH ACCESSIBILITY REQUIREMENTS PRIOR TO POURING OF CONCRETE TO FINAL GRADE.

NOTE:
WORK CONTAINED WITH THESE PLANS SHALL NOT COMMENCE UNTIL AN ENCROACHMENT PERMIT PERMIT AND/OR A GRADING PERMIT HAS BEEN ISSUED BY APPROPRIATE AGENCIES WITH JURISDICTION.

THE PRIVATE ENGINEER SIGNING THESE PLANS IS RESPONSIBLE FOR ASSURING THE ACCURACY AND ACCEPTABILITY OF THE DESIGN HEREON. IN THE EVENT OF DISCREPANCY ARISING AFTER APPROVAL OR DURING CONSTRUCTION THE PRIVATE ENGINEER SHALL BE RESPONSIBLE FOR DETERMINING AN ACCEPTABLE SOLUTION AND REVISING THE PLANS FOR APPROVAL.

MJPA WILL INSPECT PORTION OF CONSTRUCTION WITHIN MJPA AREA.

SHEET INDEX MAP

1"=200'

OWNER/APPLICANT: LEWIS RETAIL CENTERS 1156 NORTH MOUNTAIN AVE. PO BOX 670 UPLAND, CA 91785-0670 OFFICE: (909) 949-6741 FAX: (909) 949-6733	LANDSCAPE ARCHITECT: RIDGE LANDSCAPE ARCHITECTS 8841 RESEARCH DR., SUITE 200 IRVINE, CA 92618 OFFICE: (949) 387-1323 EXT. 23	UTILITY MATRIX: WATER: WESTERN MUNICIPAL WATER DISTRICT (951) 571-7100 POWER: CITY OF RIVERSIDE POWER: (951) 826-5489 SEWER: RIVERSIDE WATER QUALITY CONTROL PLANT: (951) 826-5311 STORM DRAIN: RIVERSIDE WATER QUALITY CONTROL PLANT: (951) 351-6140 FLOOD CONTROL: COUNTY OF RIVERSIDE FLOOD CONTROL: (951) 955-1200
SOIL ENGINEER: LEIGHTON CONSULTING, INC. 41715 ENTERPRISE CIRCLE N., SUITE 103 TEMECULA, CA 92590-5661 OFFICE: (951) 296-0530 FAX: (951) 296-0534	TRAFFIC ENGINEER: URBAN CROSSROADS 260 E. BAKER STREET, SUITE 200 COSTA MESA, CA 92626 OFFICE: (949) 336-5981 EXT. 210	

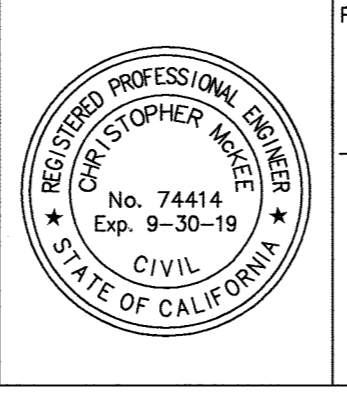
WDID No.: 8 33C382574



MARK	BY	DATE	REVISIONS	APPR	DATE

DATUM: NGVD29 ADJ. 1971
ELEVATION 1532.70

APPR MJPA



PREPARED BY:
DMRC Engineering, Inc.
 Civil Engineering/Land Surveying/Land Planning
 160 S. Old Springs Road
 Suite 210
 Anaheim Hills, CA 92808
 714-685-6860

DATE: 03/09/2018
 CHRISTOPHER MCKEE R.C.E. 74414

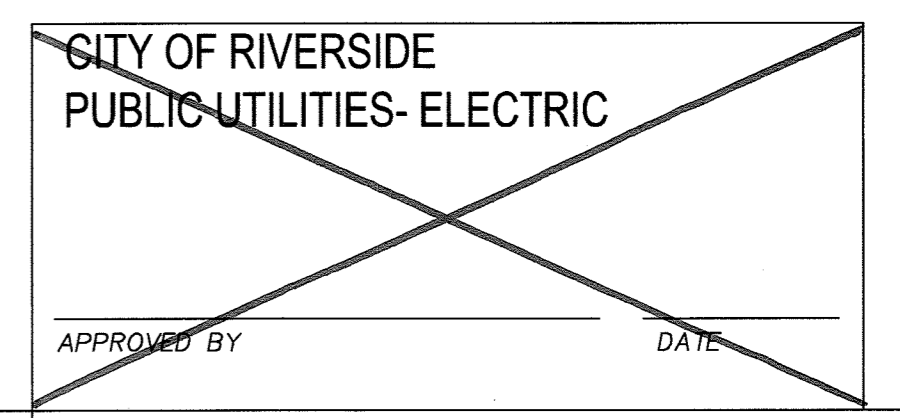
CITY OF RIVERSIDE, CALIFORNIA
 PUBLIC WORKS DEPARTMENT

APPROVED BY: [Signature] DATE APPROVED BY: 3/11/18
 ENGINEERING MANAGER
 CONST. CONTRACT ADMIN: [Signature] DATE: 3/11/18
 STREET SERVICES
 TRAFFIC DIVISION: [Signature] DATE: 3/20/18

REVIEWED BY:
WESTERN MUNICIPAL WATER DISTRICT

FOR NON-INTERFERENCE COMPLIANCE
 SHEETS 3 THROUGH 8, 14

DATE: 3/19/2018
 DEREK KAWAI, DIRECTOR OF ENGINEERING

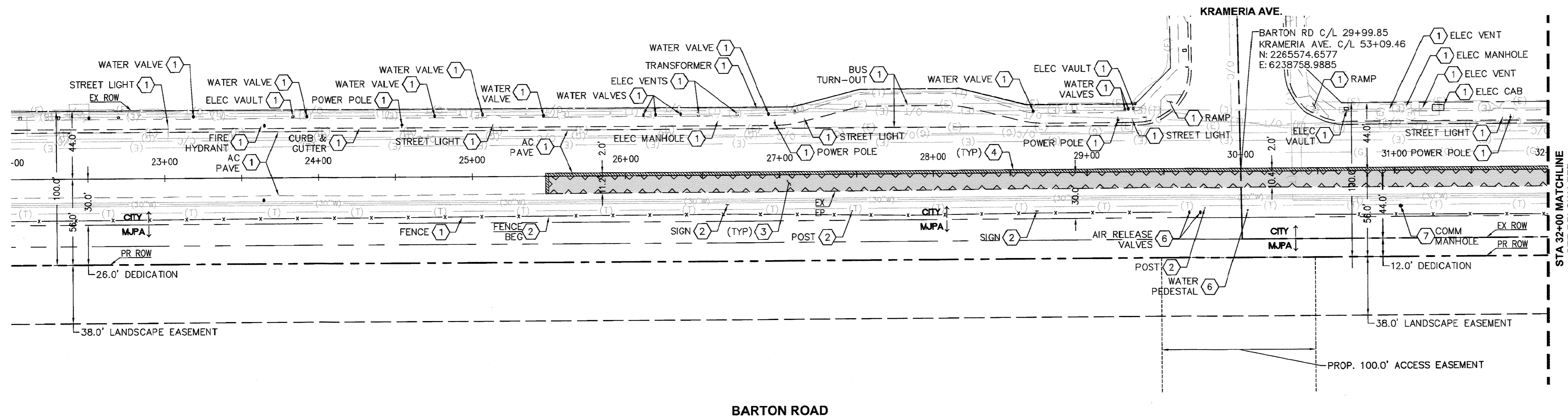


STREET IMPROVEMENT PLANS
 MERIDIAN - BARTON ROAD
 TITLE SHEET

FOR: W.O.: MJPA FILE NO.: MJ-085

CITY OF RIVERSIDE PW17-0475 R-4419
SHEET NO. 1
OF 16 SHEETS

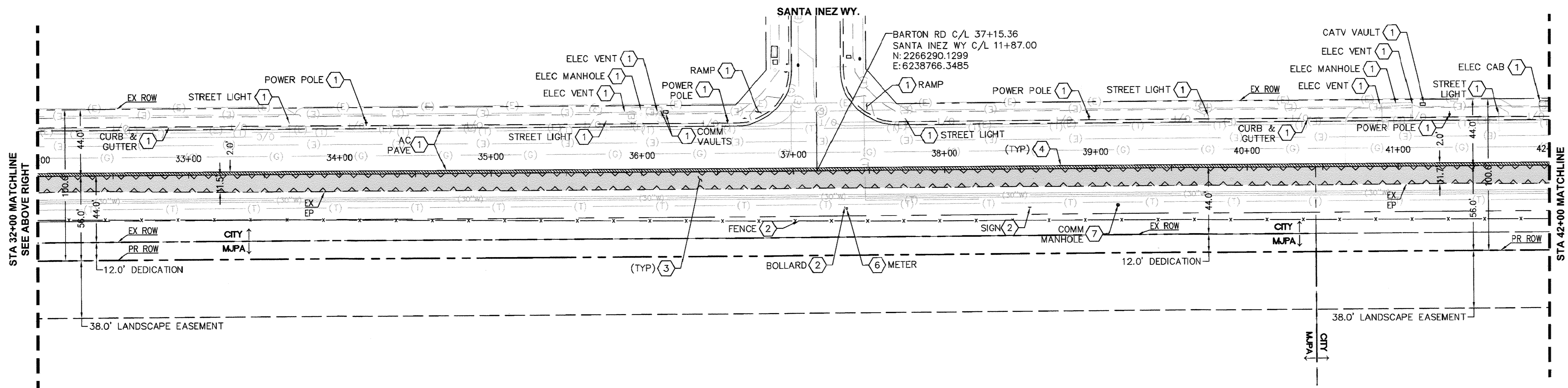
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BARTON ROAD

- DEMOLITION NOTES**
- 1 PROTECT IN PLACE ITEM AS NOTED
 - 2 REMOVE ITEM AS NOTED
 - 3 REMOVE EXISTING PAVEMENT OR CURB AND GUTTER
 - 4 SAWCUT ALONG EDGE OF PAVEMENT PER DETAIL A, SHEET 2.
 - 5 RELOCATE PER SEPARATE PLANS
 - 6 RELOCATE ITEM AS NOTED
 - 7 ADJUST STRUCTURE TO GRADE

- LEGEND:**
- ASPHALT PAVEMENT REMOVAL LIMITS AS INDICATED
 - CONCRETE PAVEMENT REMOVAL LIMITS AS INDICATED
 - SAWCUT (ASPHALT AND CONCRETE)
 - UTILITY REMOVAL
 - VAN BUREN PHASE III IMPROVEMENTS PER SEPARATE PLANS



BARTON ROAD

GENERAL NOTES

1	THIS DEMOLITION PLAN SHOWS UNDERGROUND UTILITY INFORMATION BASED ON THE BEST AVAILABLE AS-BUILT INFORMATION. THERE MAY BE UNDERGROUND UTILITIES NOT DEPICTED ON THESE PLANS. CONTRACTOR SHALL VERIFY THE LOCATION OF ALL UTILITIES PRIOR TO DEMOLITION.
2	VERIFY THE EXISTENCE AND HORIZONTAL/VERTICAL LOCATION OF ALL UTILITIES WITHIN THE PROJECT AREA THAT MAY CONFLICT WITH THE PROPOSED CONSTRUCTION. VERIFY THAT ANY UTILITIES SHOWN TO BE RELOCATED BY OTHERS HAVE BEEN RELOCATED AND ARE NO LONGER IN CONFLICT. CONTRACTOR SHALL COORDINATE WITH UTILITY COMPANIES FOR UTILITY REMOVAL AND RELOCATION. IMMEDIATELY NOTIFY THE ENGINEER OF ANY REMAINING UTILITY CONFLICTS PRIOR TO THE START OF ANY DEMOLITION WORK.
3	CONTRACTOR SHALL CLEAR AND GRUB ALL EXISTING FEATURES, DEBRIS, VEGETATION, AND TREES WITHIN THE LIMITS OF GRADING AND CONSTRUCTION UNLESS OTHERWISE NOTED.
4	REFER TO SIGNAL PLANS FOR SIGNAL EQUIPMENT TO BE REMOVED AND SALVAGED.
5	CONTRACTOR SHALL PROVIDE TRAFFIC RATED LIDS/MANHOLE COVERS FOR ALL UTILITIES TO BE ADJUSTED TO FINISH GRADE.
6	COORDINATE WITH SCE TO ENSURE THAT POWER HAS BEEN DE-ENERGIZED. POWER POLES, WIRES AND ALL OTHER EQUIPMENT SHALL NOT BE TOUCHED UNTIL PERMISSION HAS BEEN GRANTED BY SCE.
7	REFER TO SIGNING AND STRIPING PLANS FOR REMOVAL AND REPLACEMENT OF EXISTING SIGNS.
8	REFER TO LIGHTING PLANS FOR LIGHTING EQUIPMENT TO BE REMOVED, RELOCATED OR SALVAGED.
9	PERMIT SHALL BE OBTAINED FROM ALL APPROPRIATE PRIVATE AGENCIES PRIOR TO THE START OF ANY WORK WITHIN THEIR JURISDICTIONS AND/OR RIGHT-OF-WAY

CITY OF RIVERSIDE
PUBLIC UTILITIES- ELECTRIC

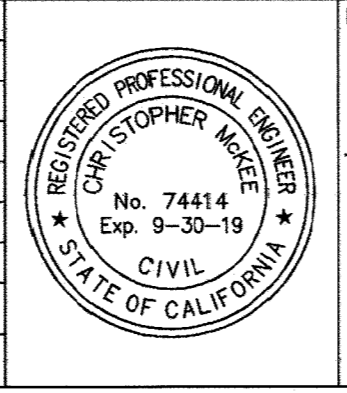
APPROVED BY _____ DATE _____

GRAPHIC SCALE IN FEET
0 20 40 80

Don't Dig...Until You Call U.S.A. Toll Free 811
For the location of buried utility lines. Don't disrupt vital services.
TWO WORKING DAYS BEFORE YOU DIG

BENCH MARK:
A STANDARD U.S.C. & G.S. BRASS DISC STAMPED "Z 1143 1961" IN A CONCRETE POST ALONG THE A.T.S.F. RAILROAD SOUTH OF VAN BUREN BOULEVARD.
RIVERSIDE COUNTY SURVEYORS
POINT ID 600-43-68
DATUM: NGVD29 ADJ. 1971
ELEVATION 1532.70

MARK	BY	DATE	REVISIONS	APPR	DATE



PREPARED BY:
JORC Engineering, Inc.
Civil Engineering/Land Surveying/Land Planning
160 S. Old Springs Road
Suite 210
Anaheim Hills, CA 92808
714-685-6860
DATE: 03/09/2018
CHRISTOPHER MCKEE R.C.E. 74414

CITY OF RIVERSIDE, CALIFORNIA
PUBLIC WORKS DEPARTMENT
APPROVED BY: _____ BY DATE: 3/11/18
CONST. CONTRACT ADMIN: _____ DATE: 3/20/18
STREET SERVICES: _____
TRAFFIC DIVISION: _____ DATE: 3/20/18

REVIEWED BY:
WESTERN MUNICIPAL WATER DISTRICT
FOR NON-INTERFERENCE COMPLIANCE
SHEETS 3 THROUGH 8, 14
DEREK KAWAI, DIRECTOR OF ENGINEERING DATE: 3/19/2018

STREET IMPROVEMENT PLANS
MERIDIAN - BARTON ROAD
BARTON ROAD DEMOLITION PLAN
22+00-TO 42+00

CITY OF RIVERSIDE
PW17-0475
R-4419
SHEET NO. 3
OF 16 SHEETS

FOR: _____ W.O.: _____ M.J.P.A. FILE NO.: MJ-085

WDID No.: 8 33C382574

March 08, 2016 03:34:56pm M:\2017\17-320 Lewis Meridian - Barton Road Improvements\ST\Barton Road Demolition - SHEET 3.dwg

DEMOLITION NOTES

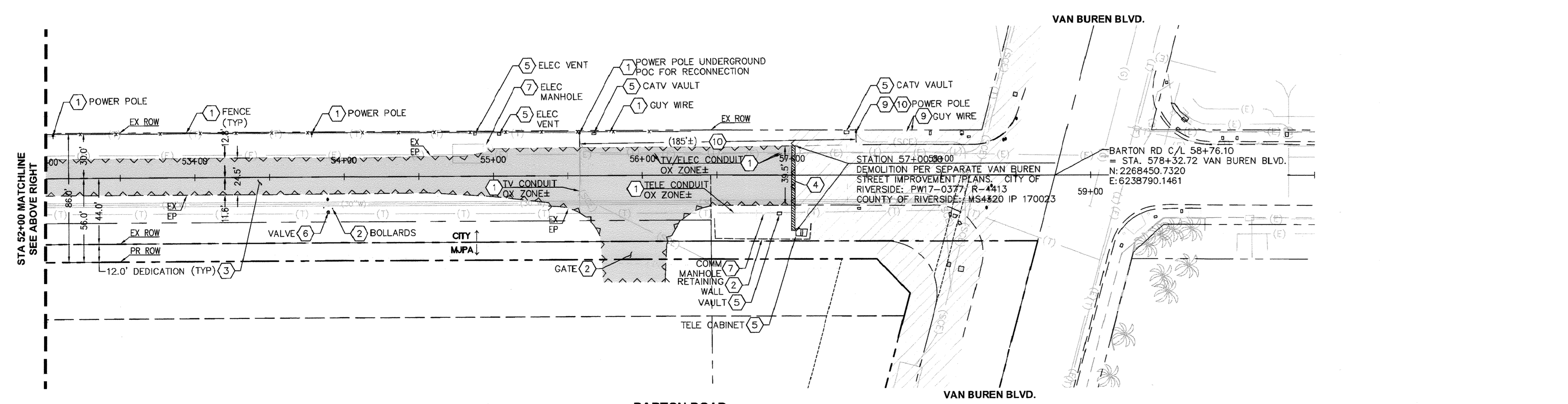
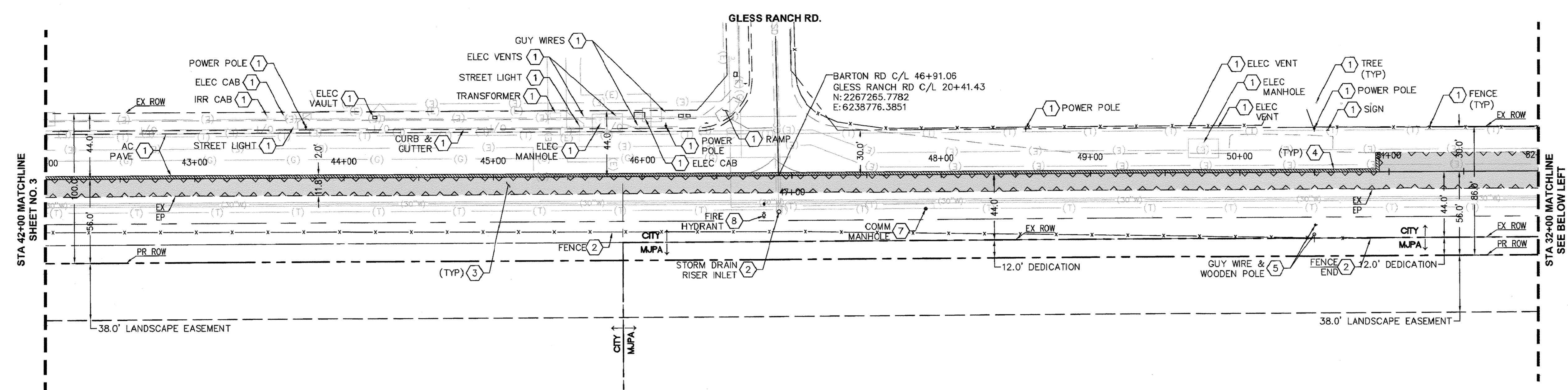
- 1 PROTECT IN PLACE ITEM AS NOTED
- 2 REMOVE ITEM AS NOTED
- 3 REMOVE EXISTING PAVEMENT OR CURB AND GUTTER
- 4 SAWCUT ALONG EDGE OF PAVEMENT PER DETAIL A, SHEET 2.
- 5 RELOCATE PER SEPARATE PLANS
- 6 RELOCATE ITEM AS NOTED
- 7 ADJUST STRUCTURE TO GRADE
- 8 EXISTING FIRE HYDRANT TO BE RELOCATED
- 9 EXISTING POWER POLE AND APPURTENANCES TO BE REMOVED PER SEPARATE SCE PLANS
- 10 GC TO PROVIDE BID LINE ITEM FOR UNDERGROUND EXISTING OVERHEAD LINES AND RECONNECT TO EXISTING POLE (TO REMAIN AS SHOWN PER PLAN)

LEGEND:

- ASPHALT PAVEMENT REMOVAL LIMITS AS INDICATED
- CONCRETE PAVEMENT REMOVAL LIMITS AS INDICATED
- SAWCUT (ASPHALT AND CONCRETE)
- UTILITY REMOVAL
- VAN BUREN PHASE III IMPROVEMENTS PER SEPARATE PLANS

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CITY OF RIVERSIDE
PUBLIC UTILITIES- ELECTRIC

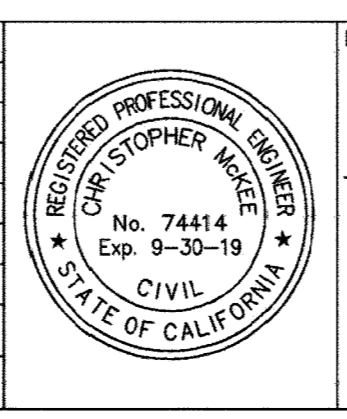
APPROVED BY _____ DATE _____

GRAPHIC SCALE IN FEET
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Don't Dig...Until You Call U.S.A. Toll Free 811
for the location of buried utility lines.
Don't disrupt vital services.
TWO WORKING DAYS BEFORE YOU DIG

BENCH MARK:
A STANDARD U.S.C. & G.S. BRASS DISC STAMPED "Z 1143 1961" IN A CONCRETE POST ALONG THE A.T.S.F. RAILROAD SOUTH OF VAN BUREN BOULEVARD.
RIVERSIDE COUNTY SURVEYORS POINT ID 600-43-68
DATUM: NGVD29 ADJ. 1971 ELEVATION 1532.70

MARK	BY	DATE	REVISIONS	APPR	DATE



PREPARED BY:
ORC Engineering, Inc.
Civil Engineering/Land Surveying/Land Planning
160 S. Old Springs Road Suite 210 Anaheim Hills, CA 92808 714-685-6860
DATE: 03/09/2018
CHRISTOPHER MCKEL R.C.E. 74414

CITY OF RIVERSIDE, CALIFORNIA
PUBLIC WORKS DEPARTMENT
APPROVED BY: _____ BY DATE APPROVED BY: _____
ENGINEERING MANAGER: C.L. 4-11-18
CONST. CONTRACT ADMIN: DC 4-11-18
STREET SERVICES: _____ CITY ENGINEER
TRAFFIC DIVISION: AL 3/22/18 DATE: 3/22/18

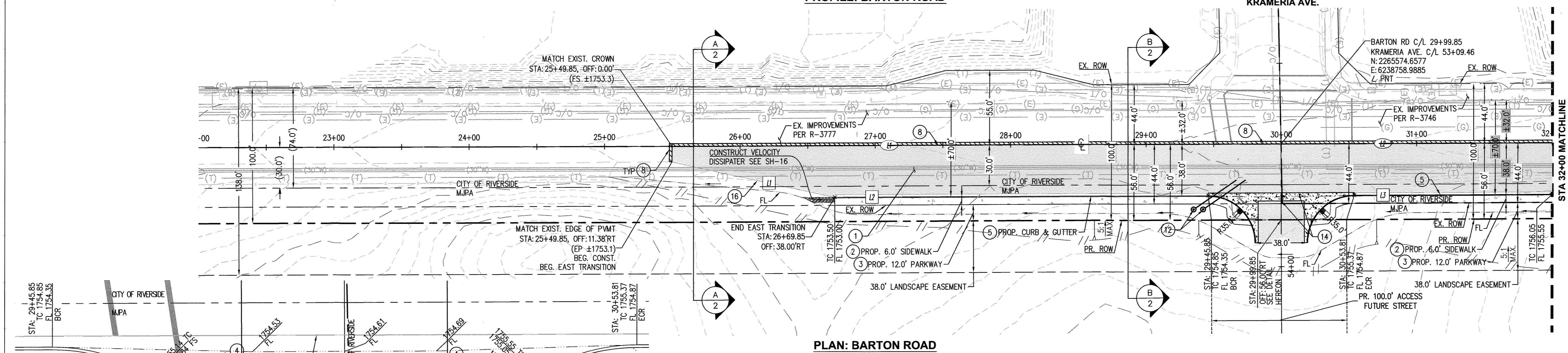
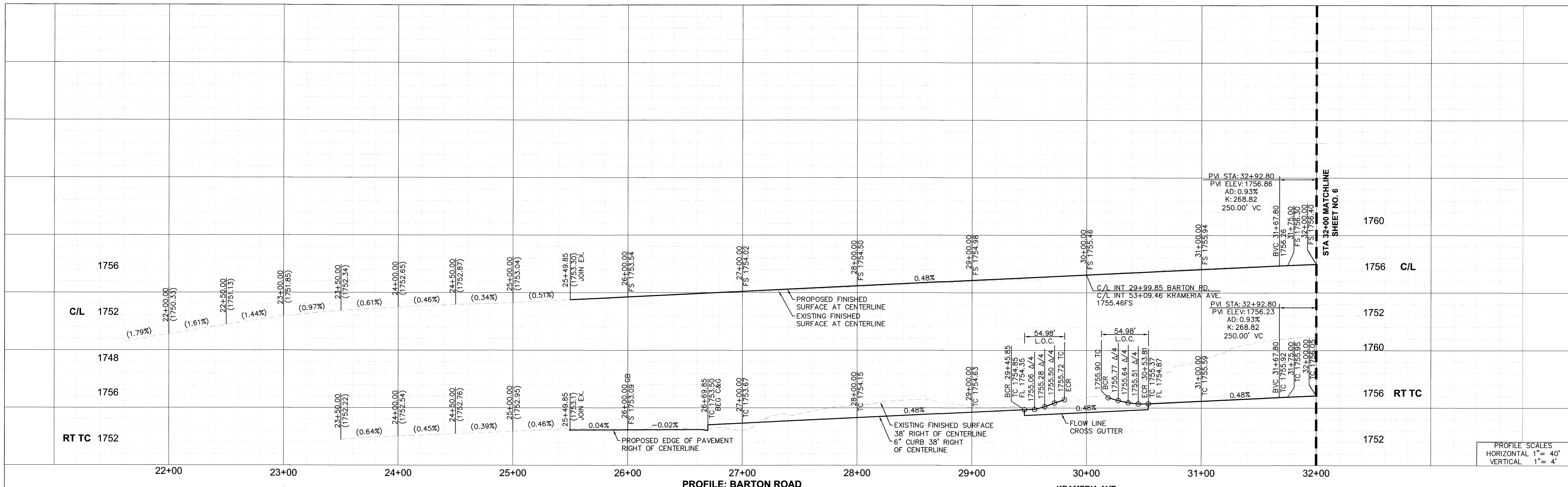
REVIEWED BY:
WESTERN MUNICIPAL WATER DISTRICT
FOR NON-INTERFERENCE COMPLIANCE
SHEETS 3 THROUGH 8, 14
DEREK KAWAI, DIRECTOR OF ENGINEERING DATE: 3/19/2018

WDID No.: 8 33C382574

STREET IMPROVEMENT PLANS
MERIDIAN - BARTON ROAD
BARTON ROAD DEMOLITION PLAN
42+00 TO 60+50

CITY OF RIVERSIDE
PW17-0475
R-4419
SHEET NO. 4
OF 16 SHEETS
M/JA FILE NO.: MJ-085

March 06, 2018 03:34:59pm M:\2017\17-320 Lewis Meridian - Barton Road Improvements\571610em\3 DSC - DEMOLITION_SHEET.dwg



- CONSTRUCTION NOTES**
- CONSTRUCT AC OVER AB PER GEOTECHNICAL REPORT, SEE SHEET 2 FOR PAVEMENT SECTION.
 - CONSTRUCT SIDEWALK PER CITY OF RIVERSIDE STD. 325.
 - CONSTRUCT VEGETATED PARKWAY SWALE PER DETAIL ON SHEET 2
 - CONSTRUCT CURB RAMP PER CITY OF RIVERSIDE STANDARD 304 TYPE 1. SEE DETAIL HEREON.
 - CONSTRUCT 6" CURB AND GUTTER PER CITY OF RIVERSIDE STD. 200.
 - PROVIDE SAWCUT ALONG EDGE OF PAVEMENT PER DETAIL "A" SHEET 2
 - RELOCATE EXISTING WATER FACILITIES PER SEPARATE WESTERN MUNICIPAL WATER DISTRICT PLANS.
 - CONSTRUCT CONCRETE CROSS GUTTER PER CITY OF RIVERSIDE STD. 220.
 - INSTALL 2" X 4" REDWOOD HEADER PER CITY OF RIVERSIDE STANDARDS
- *STRIPING SHOWN HEREON FOR REFERENCE. SEE SEPARATE TRAFFIC SIGNAL AND STRIPING PLANS.

BARTON ROAD CENTERLINE DATA TABLE

NO.	DELTA OR BRG	RADIUS	LENGTH	REMARKS
L1	N 0°37'34" E		799.85'	
L2	N 0°35'22" E		200.15'	

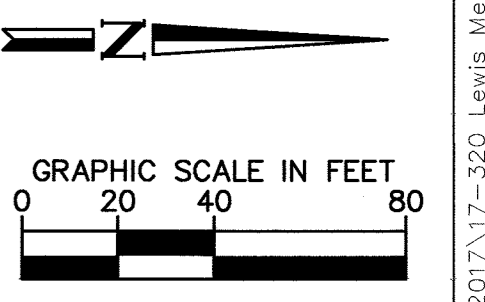
BARTON ROAD CURB DATA TABLE

NO.	DELTA OR BRG	RADIUS	LENGTH	REMARKS
L1	N 13°08'09" E		122.92'	EDGE OF PAVEMENT
L2	S 0°37'34" W		330.01'	6" CURB AND GUTTER
L3	S 0°35'22" W		199.90'	6" CURB AND GUTTER

ALL WORK WITHIN CITY OF RIVERSIDE REQUIRES THEIR APPROVAL.

**CITY OF RIVERSIDE
PUBLIC UTILITIES - ELECTRIC**

APPROVED BY _____ DATE _____



Don't Dig...Until You Call U.S.A. 811 Toll Free

for the location of buried utility lines. Don't disrupt vital services.

TWO WORKING DAYS BEFORE YOU DIG

BENCH MARK:
A STANDARD U.S.C. & G.S. BRASS DISC STAMPED "Z 1143 1961" IN A CONCRETE POST ALONG THE A.T.S.F. RAILROAD SOUTH OF VAN BUREN BOULEVARD.

RIVERSIDE COUNTY SURVEYORS POINT ID 600-43-68

DATUM: NVD29 ADJ. 1971 ELEVATION 1532.70

MARK	BY	DATE	REVISIONS	APPR DATE



PREPARED BY:
DORC Engineering, Inc.
Civil Engineering/Land Surveying/Land Planning
160 S. Old Springs Road Suite 210 Anaheim Hills, CA 92808 714-685-6860

03/09/2018
DATE

**CITY OF RIVERSIDE, CALIFORNIA
PUBLIC WORKS DEPARTMENT**

APPROVED BY _____ BY DATE APPROVED BY _____
ENGINEERING MANAGER *S.L. Kelly*
CONST. CONTRACT ADMIN *DC Kelly*
STREET SERVICES _____ CITY ENGINEER

TRAFFIC DIVISION *Al Kelly* DATE *3/20/18*

REVIEWED BY:
WESTERN MUNICIPAL WATER DISTRICT

FOR NON-INTERFERENCE COMPLIANCE
SHEETS 3 THROUGH 8, 14

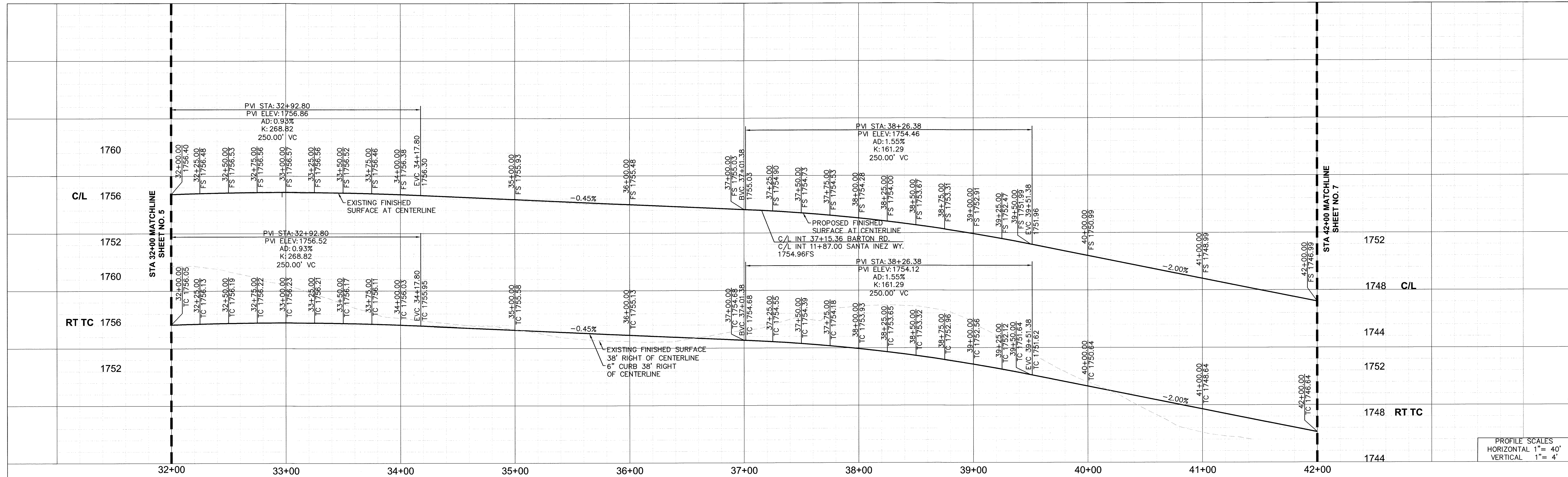
Derek Kawai 3/14/2018
DEREK KAWAI, DIRECTOR OF ENGINEERING DATE

STREET IMPROVEMENT PLANS
MERIDIAN - BARTON ROAD
BARTON ROAD
25+49.85 - 32+00

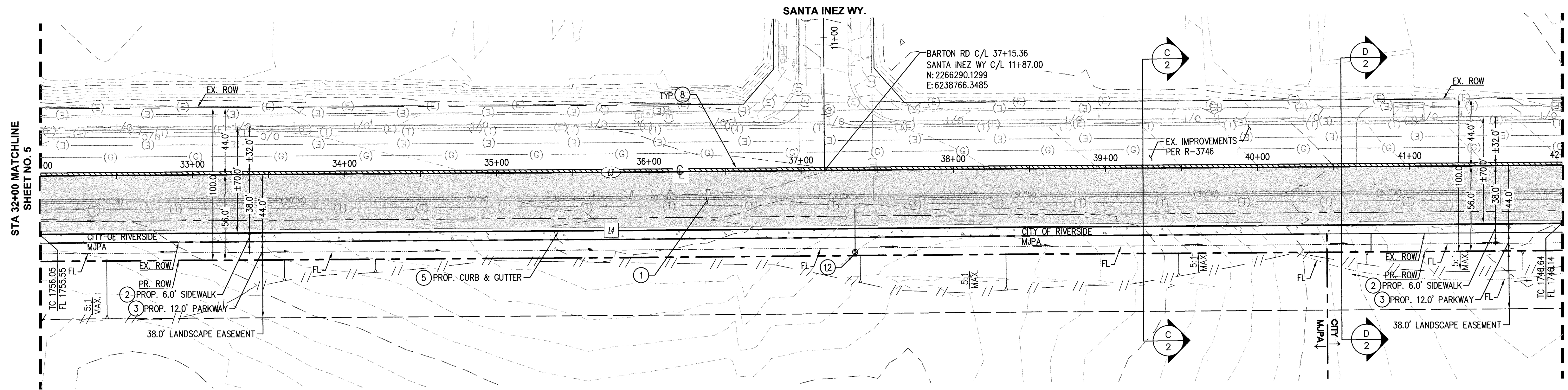
FOR: _____ W.D.: _____ MIPA FILE NO.: **MJ-085**

CITY OF RIVERSIDE
PW17-0475
R-4419
SHEET NO. **5**
OF 16 SHEETS

March 08, 2018 03:50:27pm M:\2017\17-320 Lewis Meridian Barton Road Improvements\ST\Barton\4 - BARTON P&P.dwg



PROFILE: BARTON ROAD



PLAN: BARTON ROAD

CONSTRUCTION NOTES

- ① CONSTRUCT AC OVER AB PER GEOTECHNICAL REPORT, SEE SHEET 2 FOR PAVEMENT SECTION.
 - ② CONSTRUCT SIDEWALK PER CITY OF RIVERSIDE STD. 325.
 - ③ CONSTRUCT VEGETATED PARKWAY SWALE PER DETAIL ON SHEET 2
 - ⑤ CONSTRUCT 6" CURB AND GUTTER PER CITY OF RIVERSIDE STD. 200.
 - ⑧ PROVIDE SAWCUT ALONG EDGE OF PAVEMENT PER DETAIL "A" SHEET 2
 - ⑫ RELOCATE EXISTING WATER FACILITIES PER SEPARATE WESTERN MUNICIPAL WATER DISTRICT PLANS.
- *STRIPING SHOWN HEREON FOR REFERENCE. SEE SEPARATE TRAFFIC SIGNAL AND STRIPING PLANS.

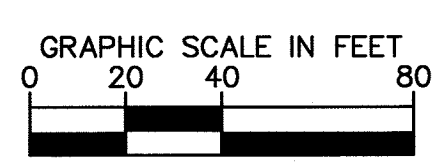
BARTON ROAD CENTERLINE DATA TABLE				
NO.	DELTA OR BRG	RADIUS	LENGTH	REMARKS
L3	N 0°35'22" E		1000.00'	-

BARTON ROAD CURB DATA TABLE				
NO.	DELTA OR BRG	RADIUS	LENGTH	REMARKS
L4	S 0°35'22" W		1000.00'	6" CURB AND GUTTER

ALL WORK WITHIN CITY OF RIVERSIDE REQUIRES THEIR APPROVAL.

CITY OF RIVERSIDE
PUBLIC UTILITIES- ELECTRIC

APPROVED BY _____ DATE _____



Don't Dig...Until You Call U.S.A. Toll Free 811

For the location of buried utility lines. Don't disrupt vital services.

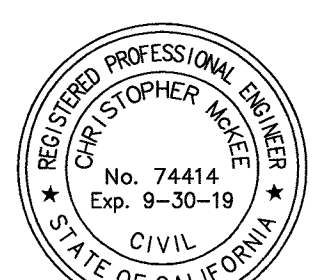
TWO WORKING DAYS BEFORE YOU DIG

BENCH MARK:
A STANDARD U.S.C. & G.S. BRASS DISC STAMPED "Z 1143 1961" IN A CONCRETE POST ALONG THE A.T.S.F. RAILROAD SOUTH OF VAN BUREN BOULEVARD.

RIVERSIDE COUNTY SURVEYORS
POINT ID 600-43-68

DATUM: NGVD29 ADJ. 1971
ELEVATION 1532.70

MARK	BY	DATE	REVISIONS	APPR	DATE



PREPARED BY:
DORC Engineering, Inc.
Civil Engineering/Land Surveying/Land Planning
160 S. Old Springs Road
Suite 210
Anaheim Hills, CA 92808
714-685-6860

CHRISTOPHER MCKEE R.C.E. 74414 DATE 03/09/2018

WDID No.: 8 33C382574

CITY OF RIVERSIDE, CALIFORNIA
PUBLIC WORKS DEPARTMENT

APPROVED BY _____ BY DATE APPROVED BY _____
ENGINEERING MANAGER E.L. 4/11/18
CONST. CONTRACT ADMIN DC 4/11/18
STREET SERVICES _____ CITY ENGINEER

TRAFFIC DIVISION AH 3/22/18 DATE 3/22/18

REVIEWED BY:
WESTERN MUNICIPAL WATER DISTRICT

FOR NON-INTERFERENCE COMPLIANCE
SHEETS 3 THROUGH 8, 14

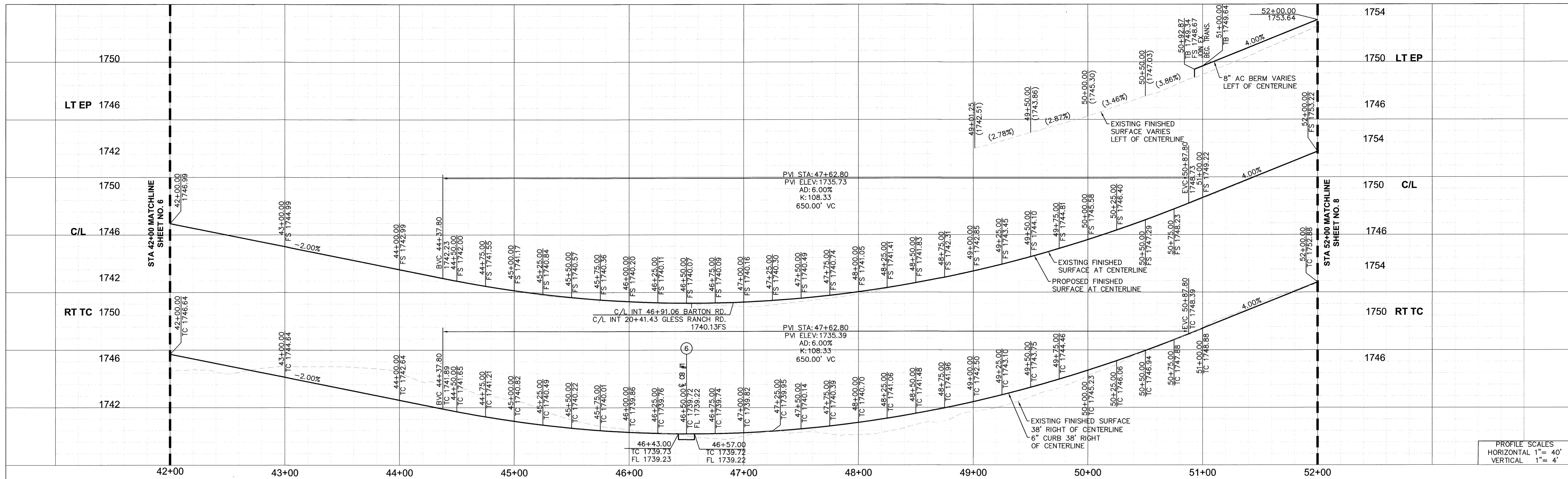
DEREK KAWAI, DIRECTOR OF ENGINEERING DATE 3/19/18

CITY OF RIVERSIDE
PW17-0475
R-4419
SHEET NO. 6

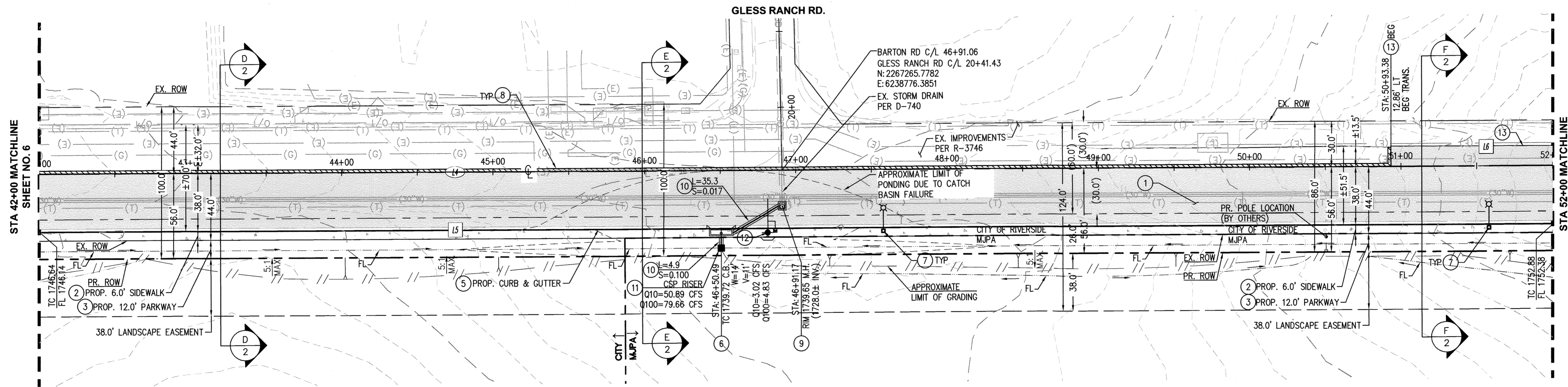
STREET IMPROVEMENT PLANS
MERIDIAN - BARTON ROAD
BARTON ROAD
32+00 - 42+00

FOR: _____ W.O.: _____ M.P.A. FILE NO.: MJ-085

OF 16 SHEETS



PROFILE: BARTON ROAD



PLAN: BARTON ROAD

CONSTRUCTION NOTES

1. CONSTRUCT AC OVER AB PER GEOTECHNICAL REPORT, SEE SHEET 2 FOR PAVEMENT SECTION.
2. CONSTRUCT SIDEWALK PER CITY OF RIVERSIDE STD. 325.
3. CONSTRUCT VEGETATED PARKWAY SWALE PER DETAIL ON SHEET 2
5. CONSTRUCT 6" CURB AND GUTTER PER CITY OF RIVERSIDE STD. 200.
6. CONSTRUCT CATCH BASIN PER CITY OF RIVERSIDE STANDARD DRAWING 405.
7. INSTALL STREET LIGHT PER SEPARATE PLANS
8. PROVIDE SAWCUT ALONG EDGE OF PAVEMENT PER DETAIL "A" SHEET 2
9. CONSTRUCT MANHOLE NO. 1 PER RCFC & WCD MH 251
10. CONSTRUCT 30" RCP STORM DRAIN CLASS III
11. CONSTRUCT CSP RISER PER PER DETAIL ON SH-15. CONNECT TO CURB INLET 30" RCP 1% MIN. SLOPE.
12. RELOCATE EXISTING WATER FACILITIES PER SEPARATE WESTERN MUNICIPAL WATER DISTRICT PLANS.
13. CONSTRUCT ASPHALT BERM PER CITY OF RIVERSIDE STD. 250, TYPE 1, MODIFIED FOR 8" BERM HEIGHT. LIMITS PER PLAN.

*STRIPING SHOWN HEREON FOR REFERENCE. SEE SEPARATE TRAFFIC SIGNAL AND STRIPING PLANS.

BARTON ROAD CENTERLINE DATA TABLE				
NO.	DELTA OR BRG	RADIUS	LENGTH	REMARKS
L4	N 0°35'22" E		1000.00'	-

BARTON ROAD CURB DATA TABLE				
NO.	DELTA OR BRG	RADIUS	LENGTH	REMARKS
L5	S 0°35'22" W		1000.00'	6" CURB AND GUTTER
L6	S 0°43'38" W		106.70'	EDGE OF PAVEMENT

*SEE SHEET 14 FOR PROPOSED STORM DRAIN PLAN AND PROFILE DETAILS

WDID No.: 8 33C382574

Don't Dig...Until You Call U.S.A. Toll Free 811
for the location of buried utility lines.
Don't disrupt vital services.
TWO WORKING DAYS BEFORE YOU DIG

BENCH MARK:
A STANDARD U.S.C. & G.S. BRASS DISC STAMPED "Z 1143 1961" IN A CONCRETE POST ALONG THE A.T.S.F. RAILROAD SOUTH OF VAN BUREN BOULEVARD.
RIVERSIDE COUNTY SURVEYORS
POINT ID 600-43-68
DATUM: NAD83 ADJ. 1971
ELEVATION 1532.70

MARK	BY	DATE	REVISIONS	APPR	DATE

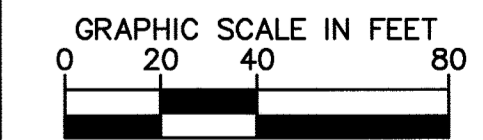


PREPARED BY:
JORC Engineering, Inc.
Civil Engineering/Land Surveying/Land Planning
160 S. Old Springs Road
Suite 210
Anaheim Hills, CA 92808
714-685-6860
03/09/2018
DATE

CITY OF RIVERSIDE, CALIFORNIA
PUBLIC WORKS DEPARTMENT
APPROVED BY: [Signature]
ENGINEERING MANAGER
CONST. CONTRACT ADMIN
STREET SERVICES
TRAFFIC DIVISION
DATE: 3/20/18

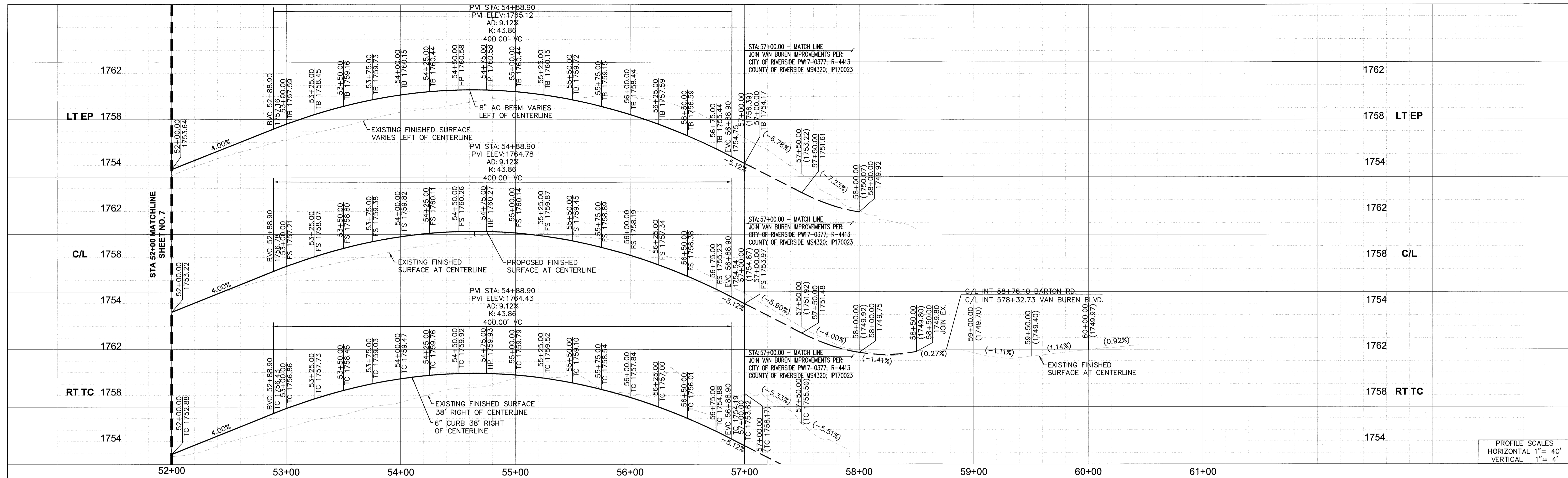
REVIEWED BY:
WESTERN MUNICIPAL WATER DISTRICT
FOR NON-INTERFERENCE COMPLIANCE
SHEETS 3 THROUGH 8, 14
DATE: 3/19/2018

ALL WORK WITHIN CITY OF RIVERSIDE REQUIRES THEIR APPROVAL.
CITY OF RIVERSIDE
PUBLIC UTILITIES-ELECTRIC
APPROVED BY: _____ DATE: _____

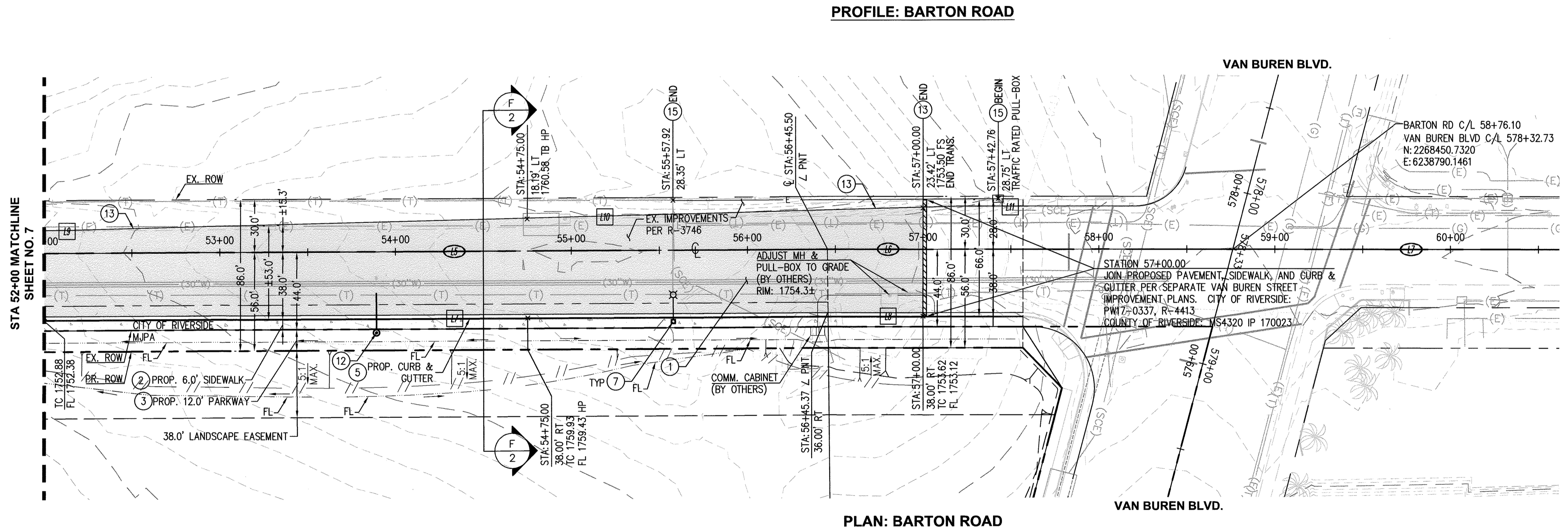


STREET IMPROVEMENT PLANS
MERIDIAN - BARTON ROAD
BARTON ROAD
42+00 - 52+00

CITY OF RIVERSIDE
PW17-0475
R-4419
SHEET NO. 7
OF 16 SHEETS
M/JA FILE NO.: MJ-085



PROFILE SCALES
HORIZONTAL 1" = 40'
VERTICAL 1" = 4'



CONSTRUCTION NOTES

- CONSTRUCT AC OVER AB PER GEOTECHNICAL REPORT, SEE SHEET 2 FOR PAVEMENT SECTION.
 - CONSTRUCT SIDEWALK PER CITY OF RIVERSIDE STD. 325, SEE SHEET 15.
 - CONSTRUCT VEGETATED PARKWAY SWALE PER DETAIL ON SHEET 2
 - CONSTRUCT 6" CURB AND GUTTER PER CITY OF RIVERSIDE STD. 200, SEE SHEET 15.
 - INSTALL STREET LIGHT PER SEPARATE PLANS
 - RELOCATE EXISTING WATER FACILITIES PER SEPARATE WESTERN MUNICIPAL WATER DISTRICT PLANS.
 - CONSTRUCT ASPHALT BERM PER CITY OF RIVERSIDE STD. 250, TYPE 1, MODIFIED FOR 8" BERM HEIGHT. LIMITS PER PLAN. SEE SHEET 15.
 - GC TO PROVIDE BID LINE ITEM FOR UNDERGROUNDING EXISTING OVERHEAD LINES AND RECONNECT TO EXISTING POLE (TO REMAIN AS SHOWN PER PLAN)
- *STRIPING SHOWN HEREON FOR REFERENCE. SEE SEPARATE TRAFFIC SIGNAL AND STRIPING PLANS.

BARTON ROAD CENTERLINE DATA TABLE

NO.	DELTA OR BRG	RADIUS	LENGTH	REMARKS
L5	N 0°35'22" E		445.48'	-
L6	N 0°58'47" E		230.62'	-
L7	N 0°58'47" E		323.90'	-

BARTON ROAD CURB DATA TABLE

NO.	DELTA OR BRG	RADIUS	LENGTH	REMARKS
L7	S 0°35'22" W		445.61'	6" CURB AND GUTTER
L8	S 0°58'47" W		111.28'	6" CURB AND GUTTER
L9	S 0°43'38" W		14.23'	6" CURB AND GUTTER
L10	S 0°38'48" E		506.37'	6" CURB AND GUTTER
L11	S 0°58'47" W		36.49'	6" CURB AND GUTTER

ALL WORK WITHIN CITY OF RIVERSIDE REQUIRES THEIR APPROVAL.

CITY OF RIVERSIDE PUBLIC UTILITIES - ELECTRIC

APPROVED BY: _____ DATE: _____

GRAPHIC SCALE IN FEET: 0, 20, 40, 80

Don't Dig...Until You Call U.S.A. Toll Free 811
For the location of buried utility lines. Don't disrupt vital services.
TWO WORKING DAYS BEFORE YOU DIG

BENCH MARK:
A STANDARD U.S.C. & G.S. BRASS DISC STAMPED "Z 1143 1961" IN A CONCRETE POST ALONG THE A.T.S.F. RAILROAD SOUTH OF VAN BUREN BOULEVARD.
RIVERSIDE COUNTY SURVEYORS POINT ID 600-43-68
DATUM: NAD83 ADJ. 1971 ELEVATION 1532.70

MARK	BY	DATE	REVISIONS	APPR	DATE

PREPARED BY: **ORC Engineering, Inc.**
Civil Engineering/Land Surveying/Land Planning
160 S. Old Springs Road Suite 210 Anaheim Hills, CA 92808 714-685-6860

REGISTERED PROFESSIONAL ENGINEER
No. 74414 Exp. 9-30-19
CIVIL
STATE OF CALIFORNIA

DATE: 03/09/2018

WDID No.: 8 33C382574

CITY OF RIVERSIDE, CALIFORNIA PUBLIC WORKS DEPARTMENT

APPROVED BY: _____ BY DATE APPROVED BY: _____
ENGINEERING MANAGER: E.L. 9/1/18
CONSTR. CONTRACT ADMIN: DC 9/1/18
STREET SERVICES: _____ CIVIL ENGINEER

TRAFFIC DIVISION: _____ DATE: 3/22/18

REVIEWED BY: _____
WESTERN MUNICIPAL WATER DISTRICT

FOR NON-INTERFERENCE COMPLIANCE
SHEETS 3 THROUGH 8, 14

DATE: 3/19/18
DEREK KAWAI, DIRECTOR OF ENGINEERING

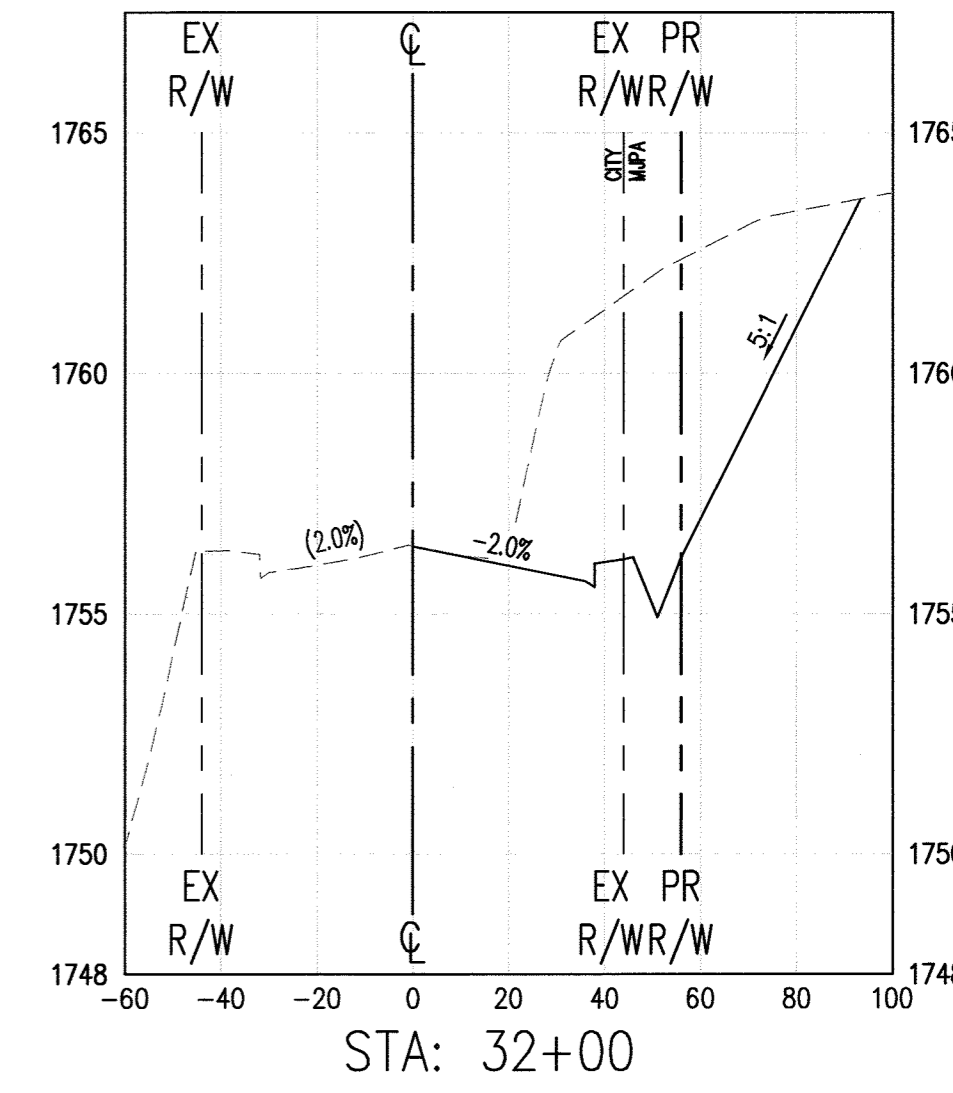
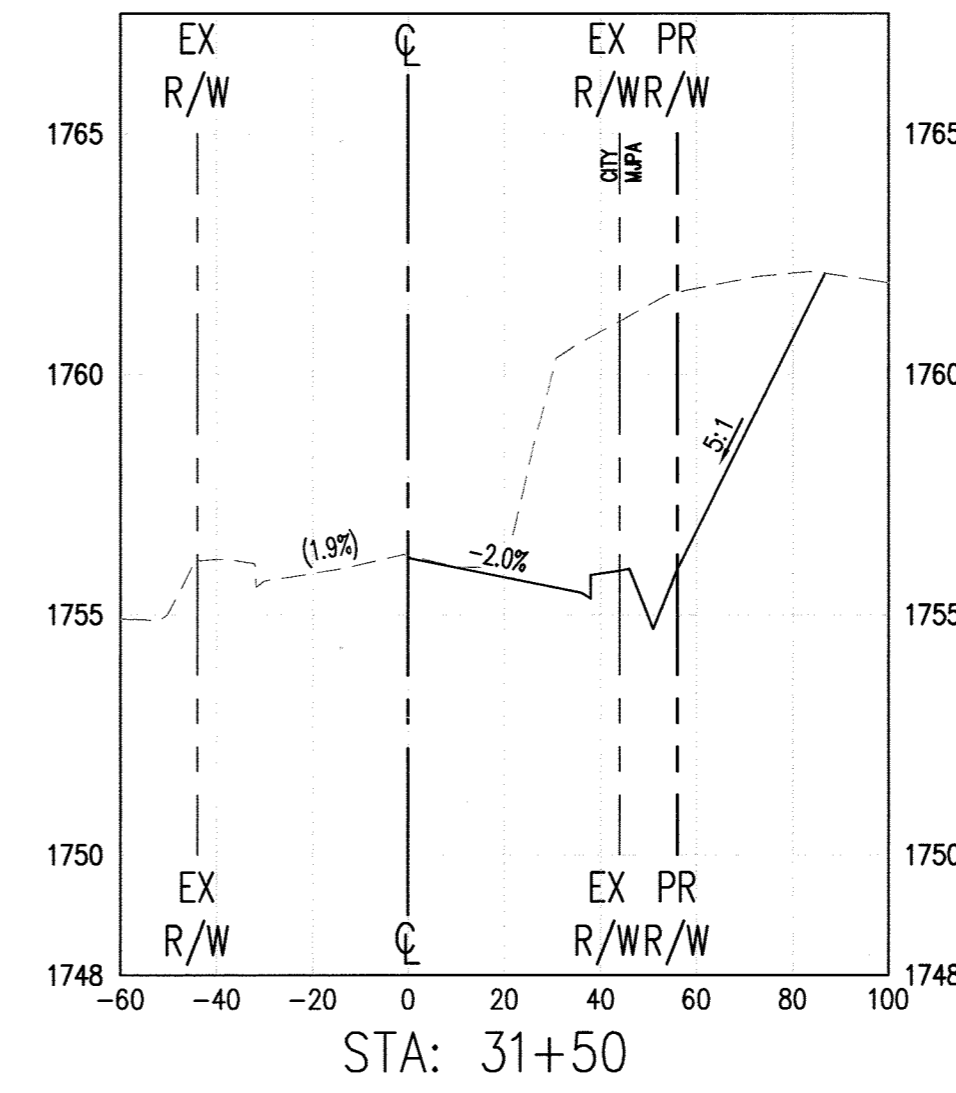
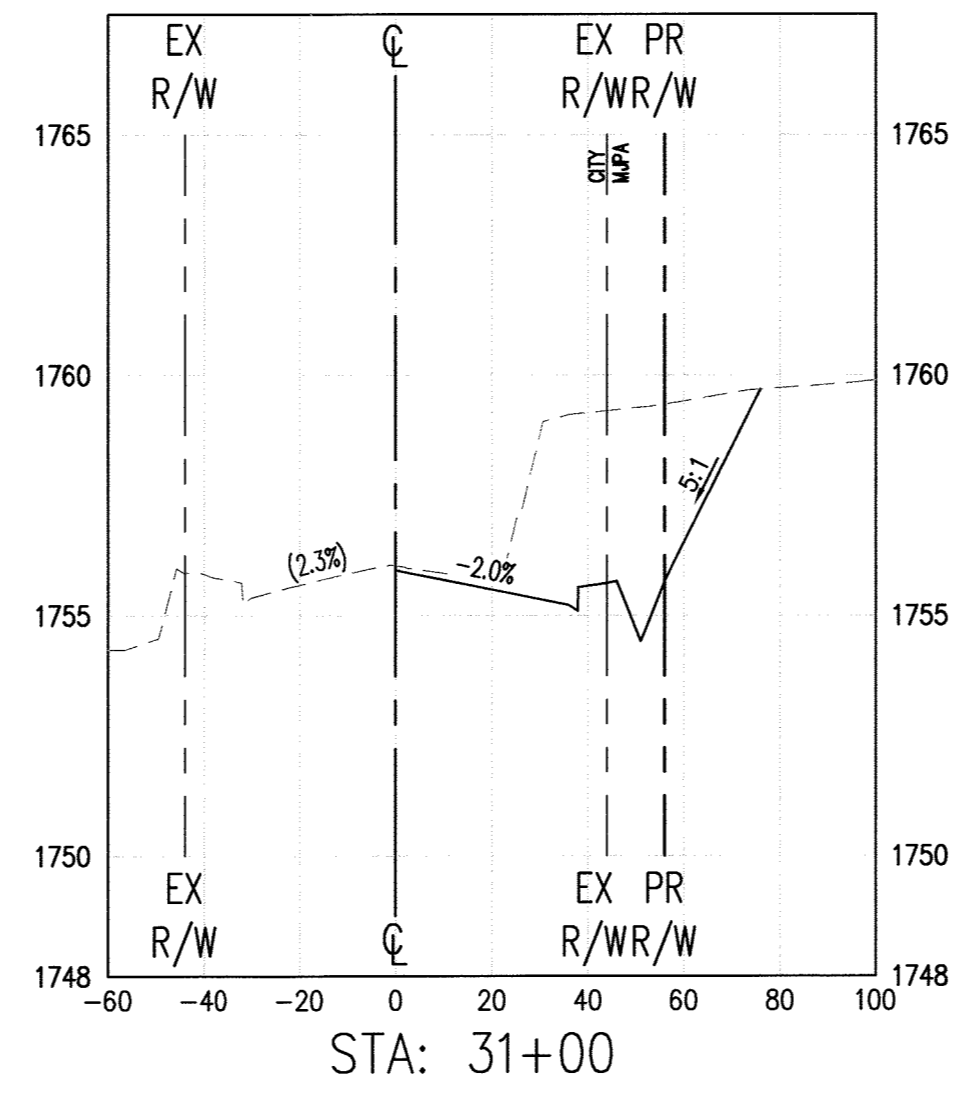
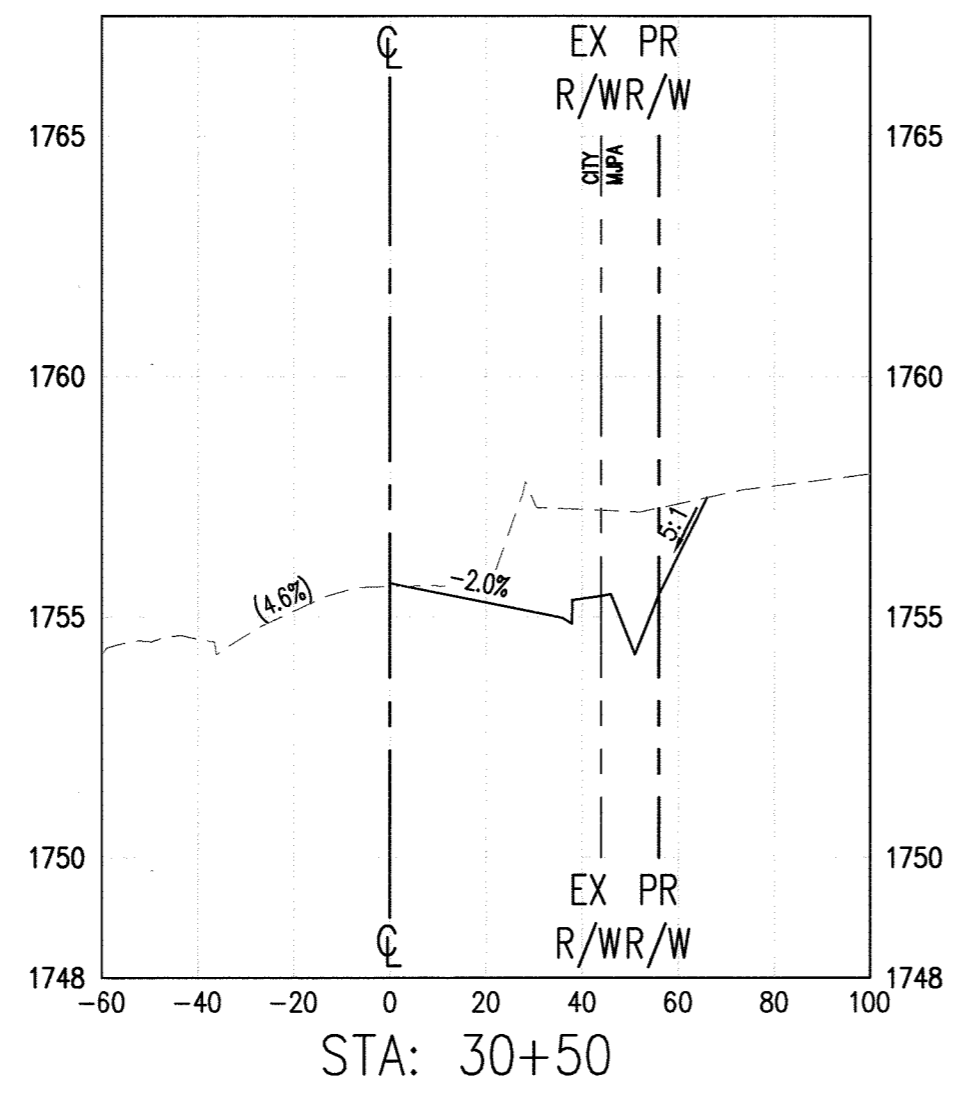
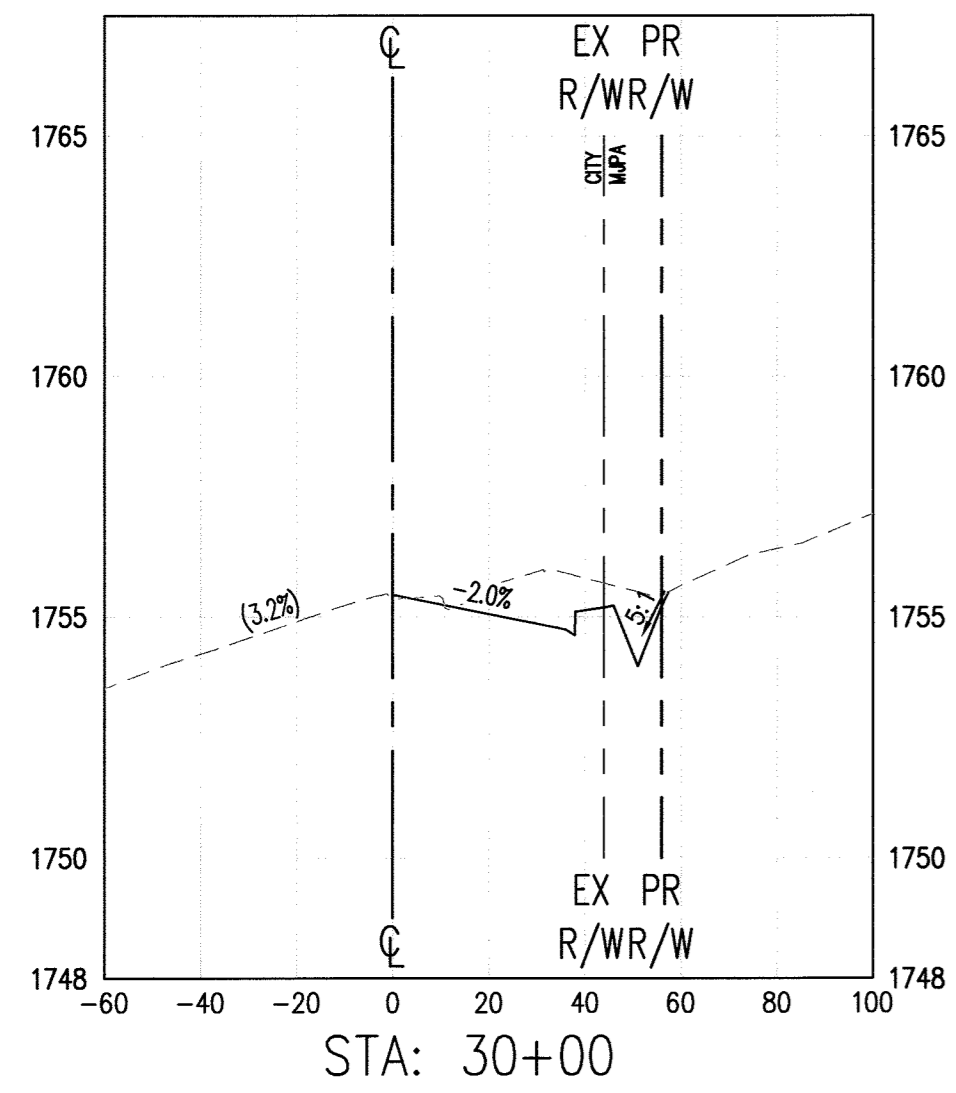
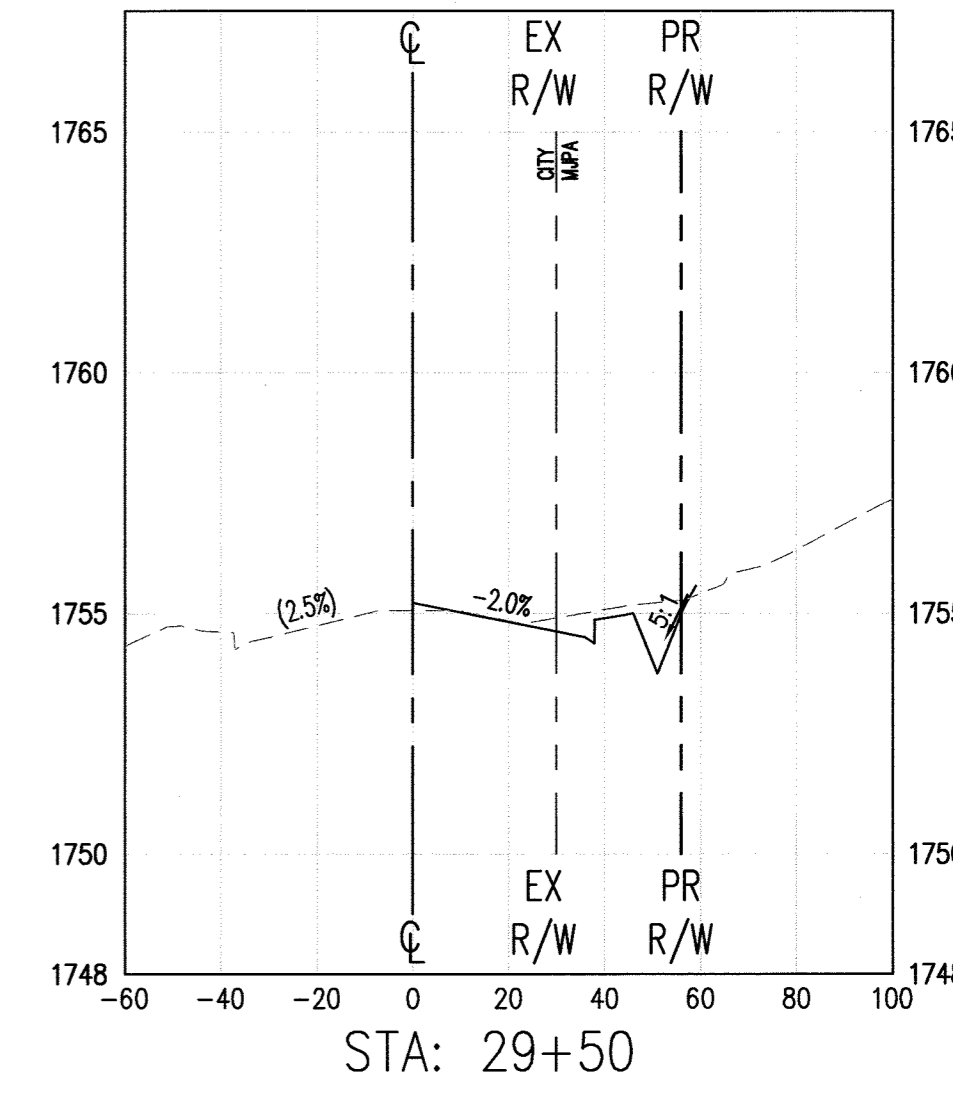
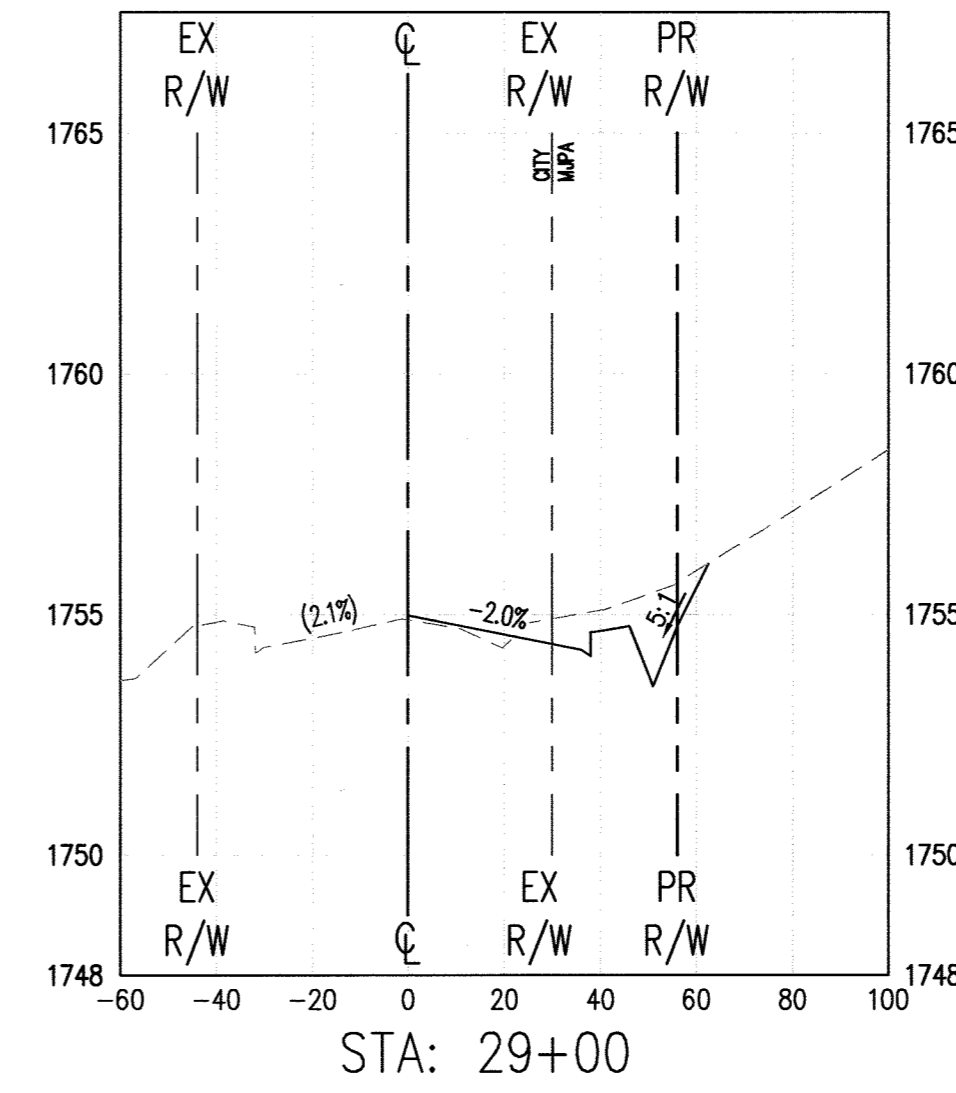
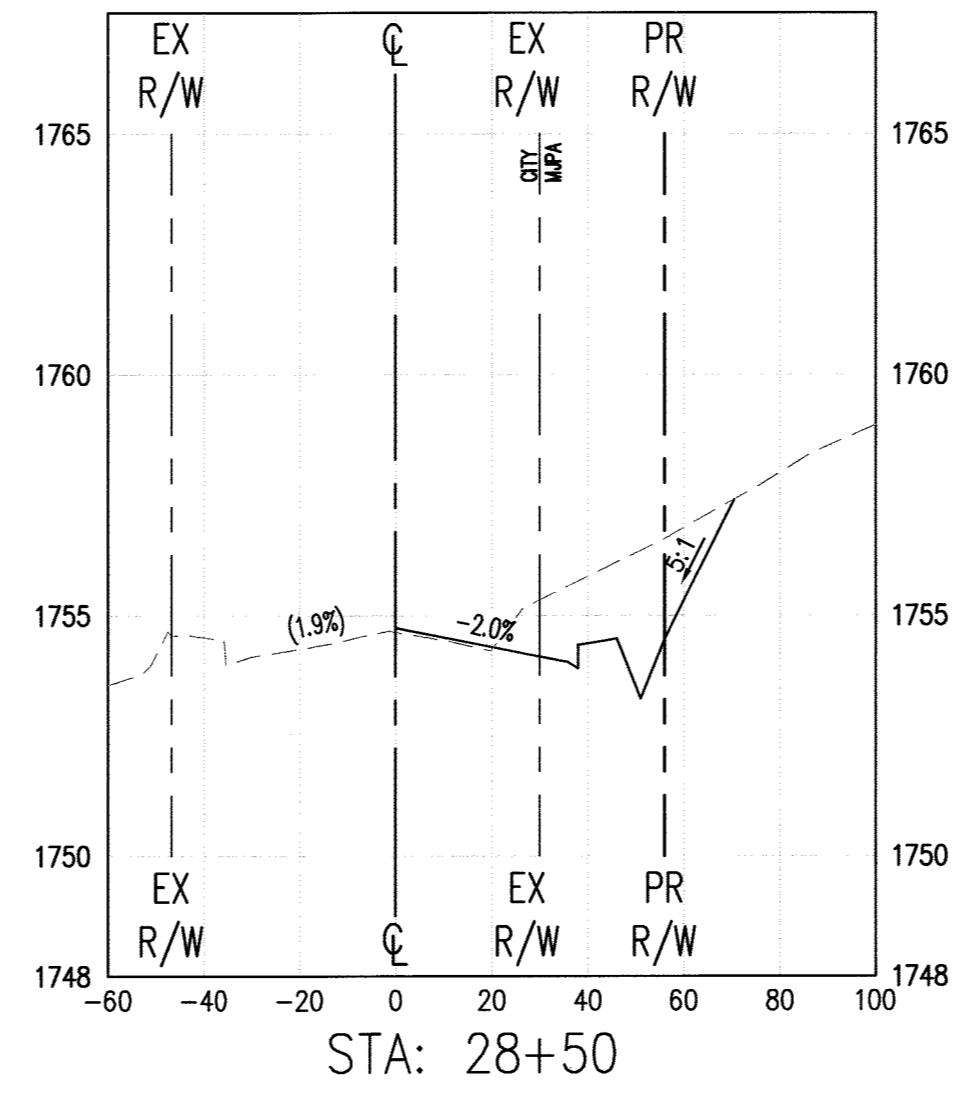
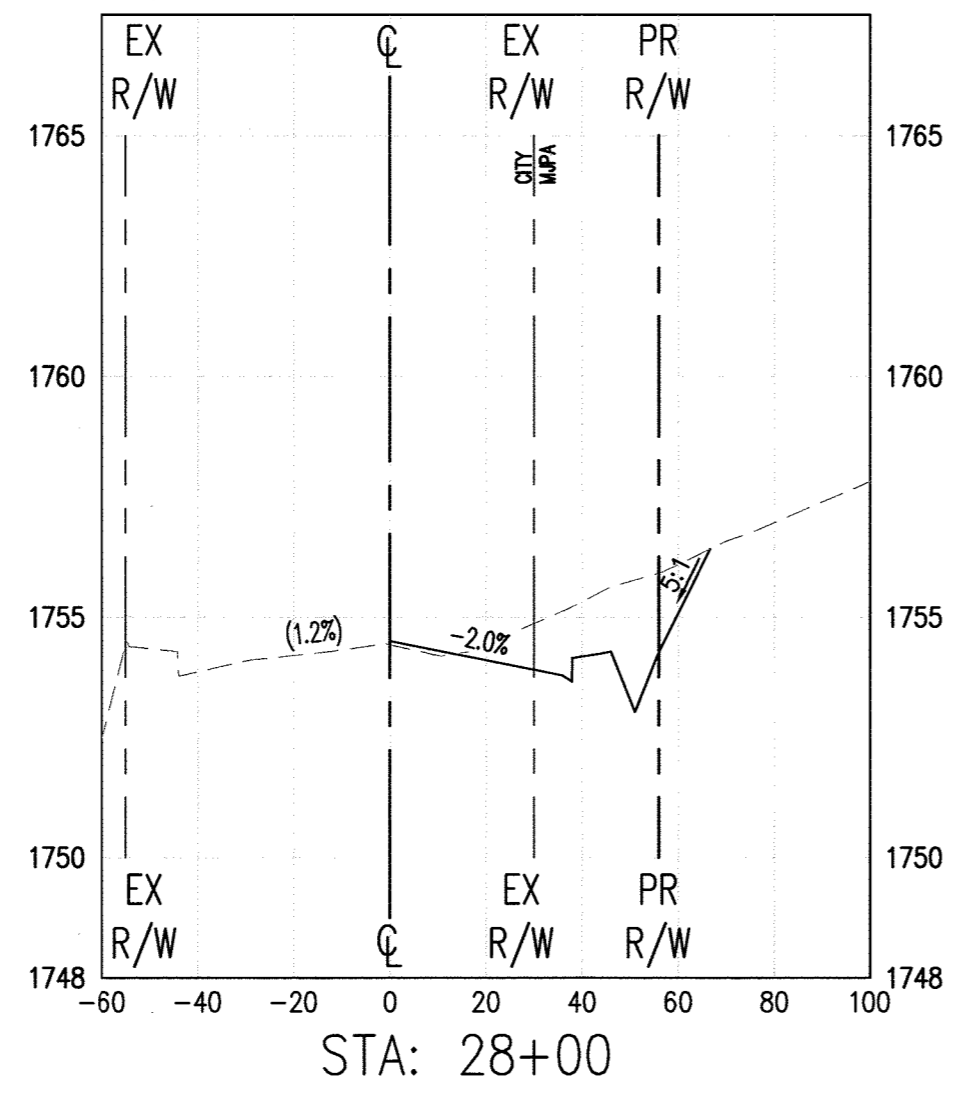
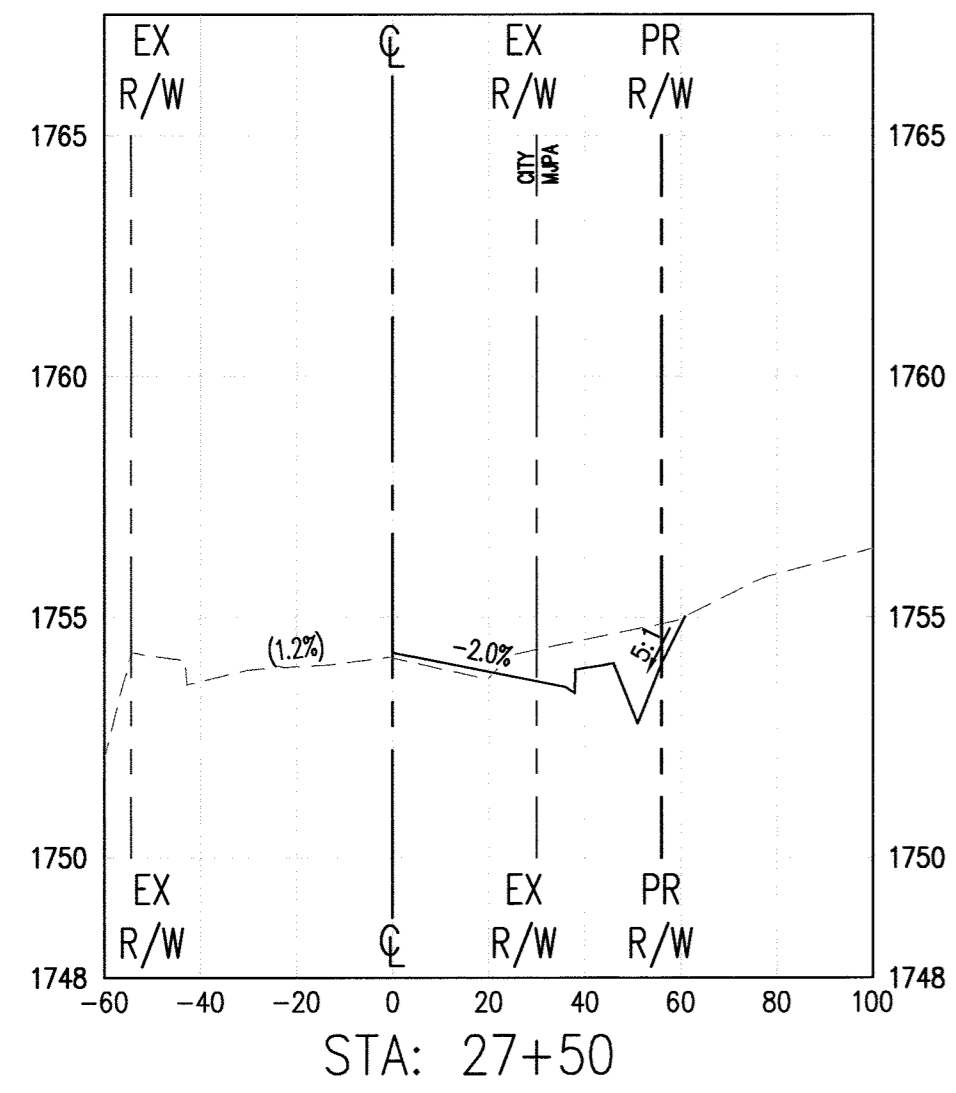
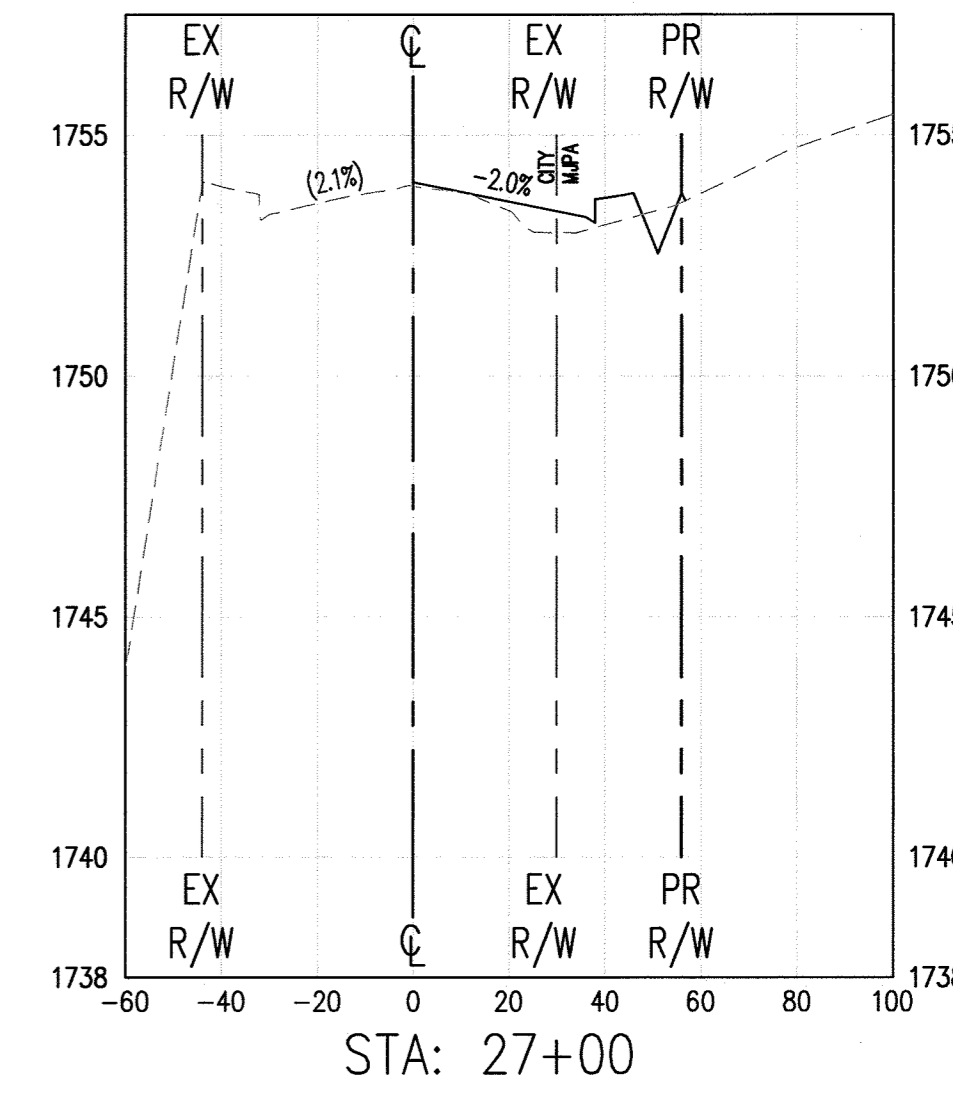
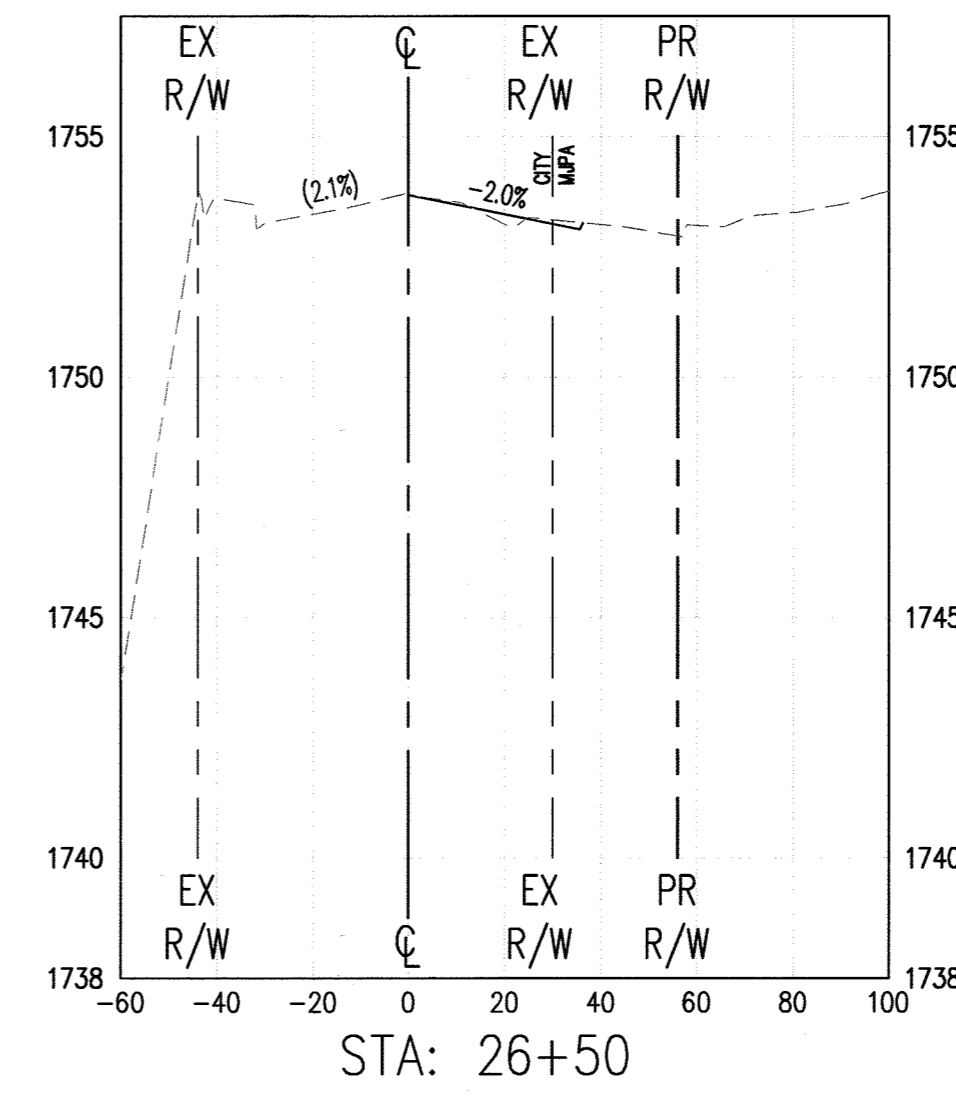
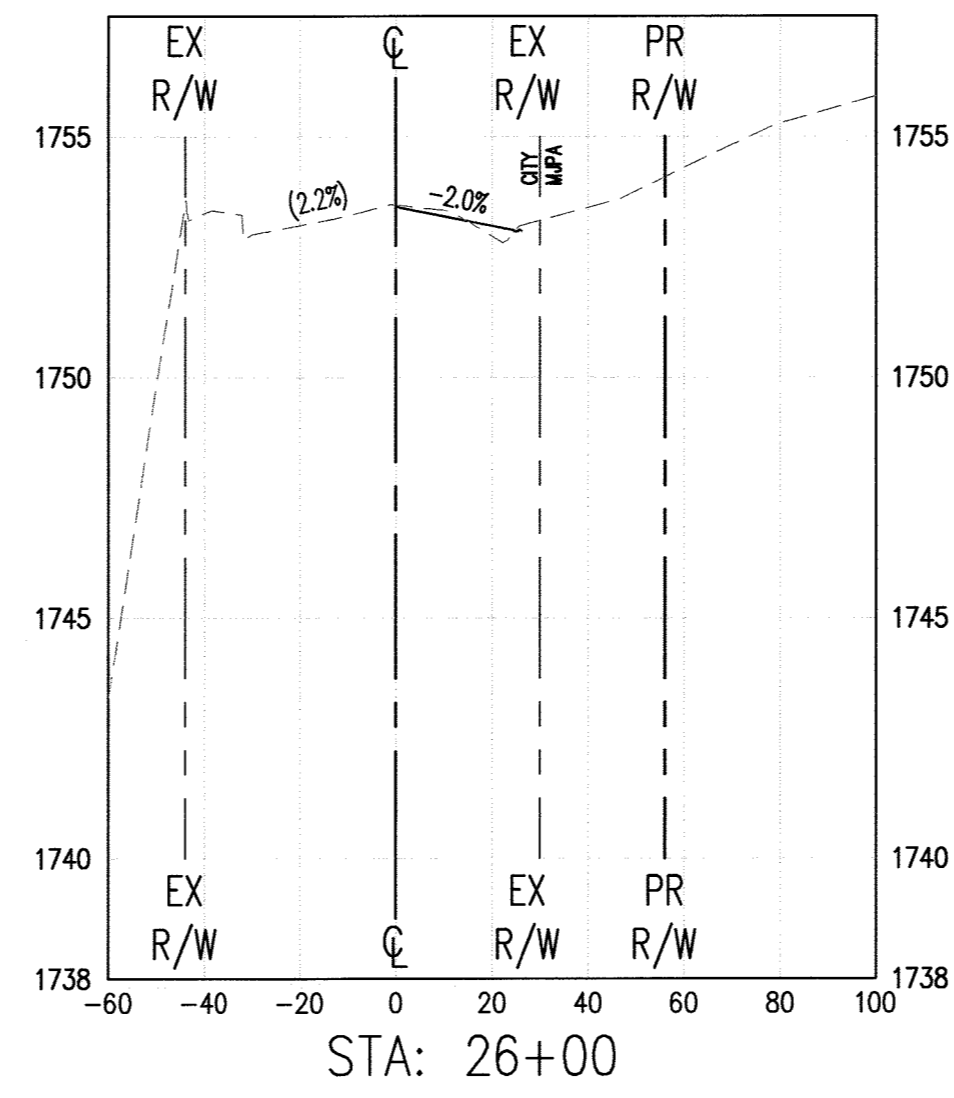
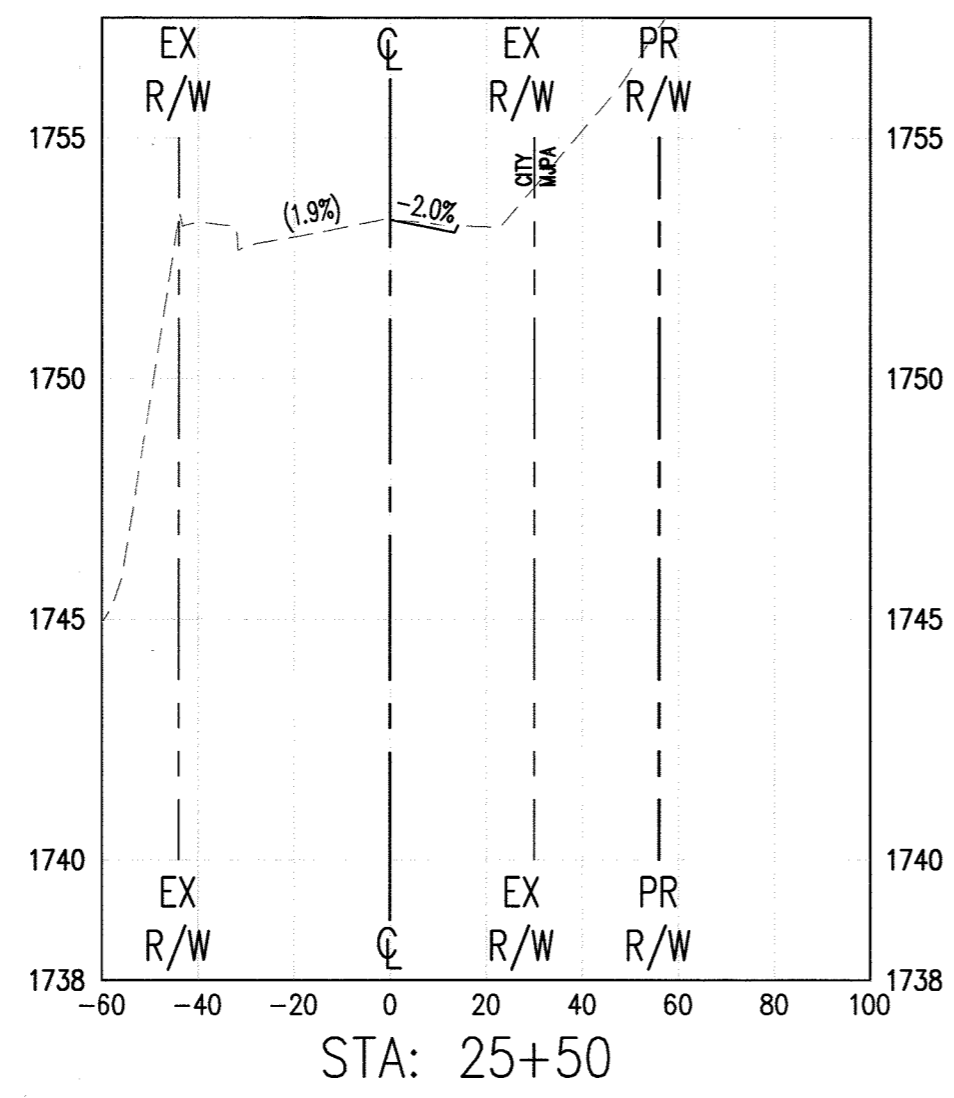
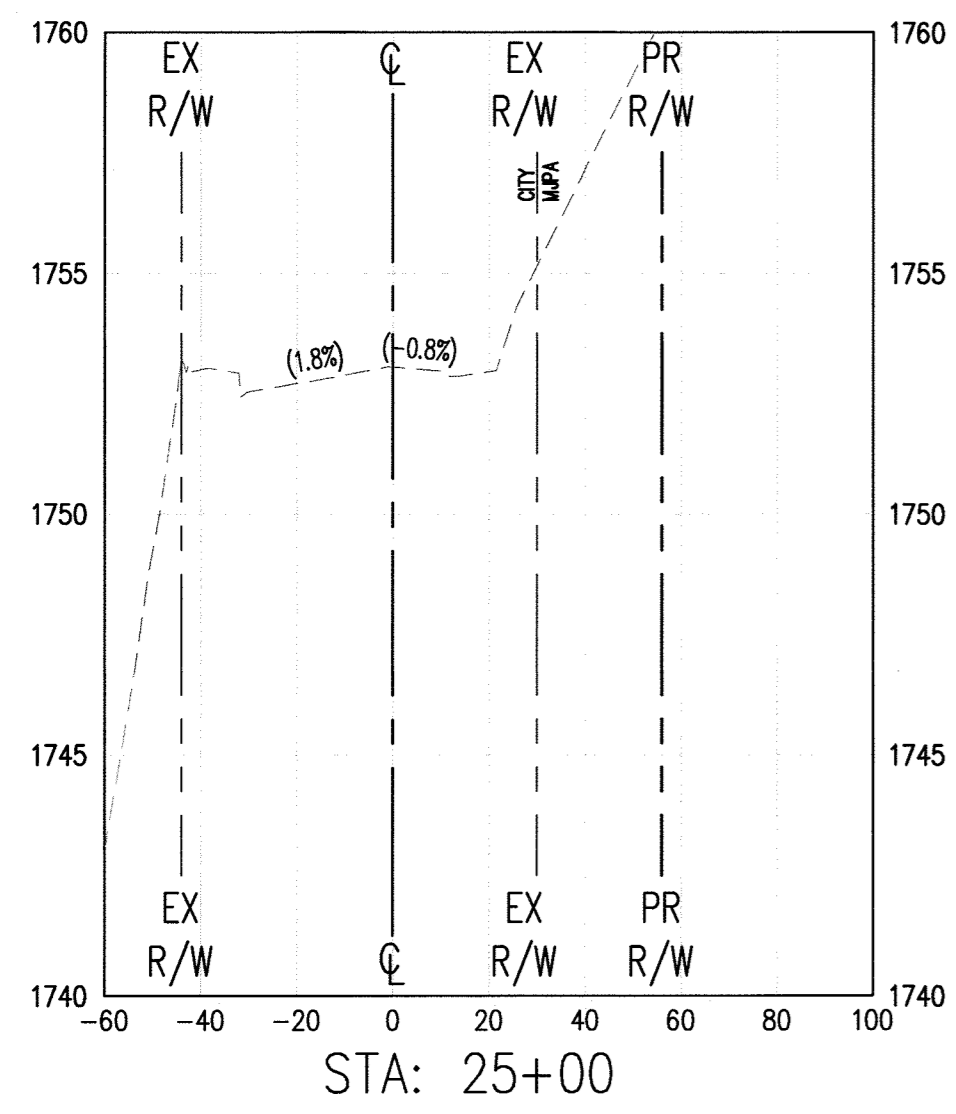
FOR: _____ W.O.: _____

STREET IMPROVEMENT PLANS MERIDIAN - BARTON ROAD

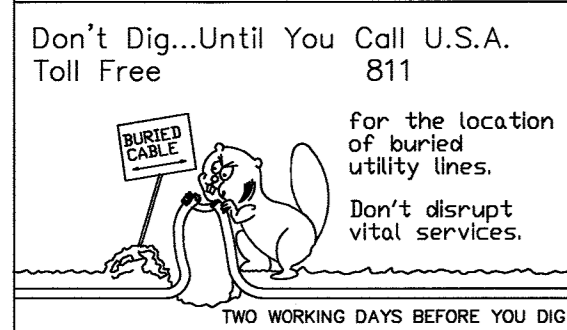
BARTON ROAD 52+00 - 60+50

SHEET NO. 8 OF 16 SHEETS

M/JA FILE NO.: MJ-085



WDID No.: 8 33C382574



BENCH MARK:
A STANDARD U.S.C. & G.S. BRASS DISC STAMPED "Z 1143 1961" IN A CONCRETE POST ALONG THE A.T.S.F. RAILROAD SOUTH OF VAN BUREN BOULEVARD.
RIVERSIDE COUNTY SURVEYORS
POINT ID 600-43-68
DATUM: NVD029 ADJ. 1971
ELEVATION 1532.70

MARK	BY	DATE	REVISIONS	APPR	DATE



PREPARED BY:
ORC Engineering, Inc.
Civil Engineering/Land Surveying/Land Planning
160 S. Old Springs Road
Suite 210
Anaheim Hills, CA 92808
714-685-6860
CHRISTOPHER MCKEE R.C.E. 74414
03/09/2018 DATE

CITY OF RIVERSIDE, CALIFORNIA
PUBLIC WORKS DEPARTMENT
APPROVED BY: [Signature] DATE: 3/11/18
ENGINEERING MANAGER
CONST. CONTRACT ADMIN [Signature] DATE: 2/11/18
STREET SERVICES
TRAFFIC DIVISION [Signature] DATE: 3/22/18
CITY ENGINEER

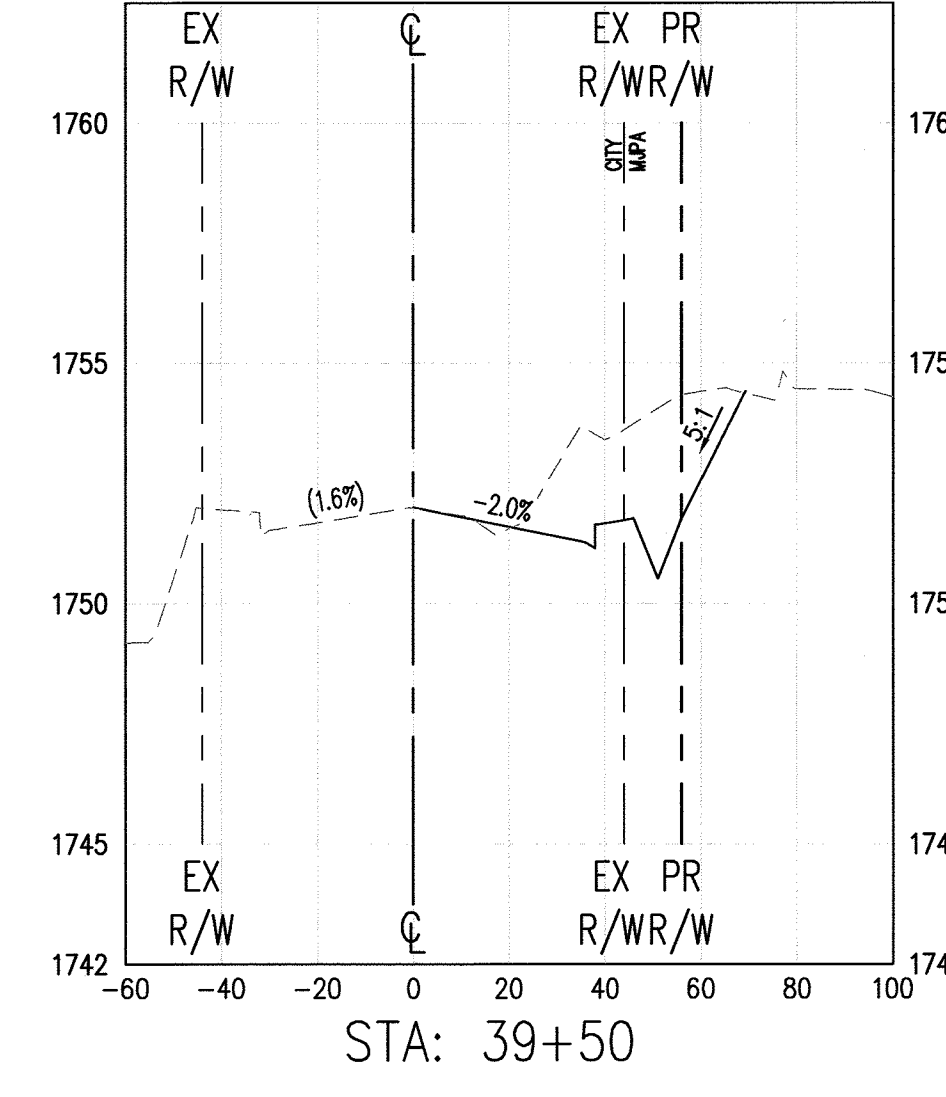
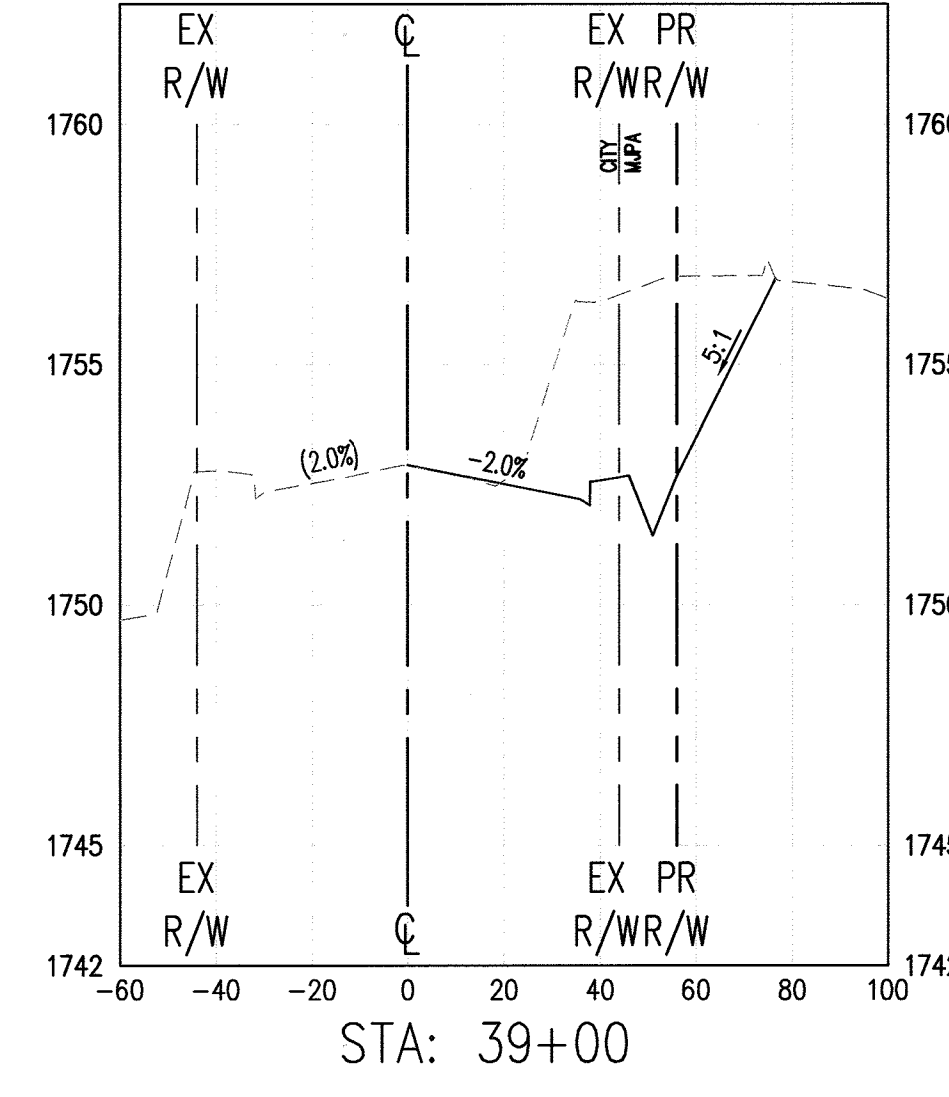
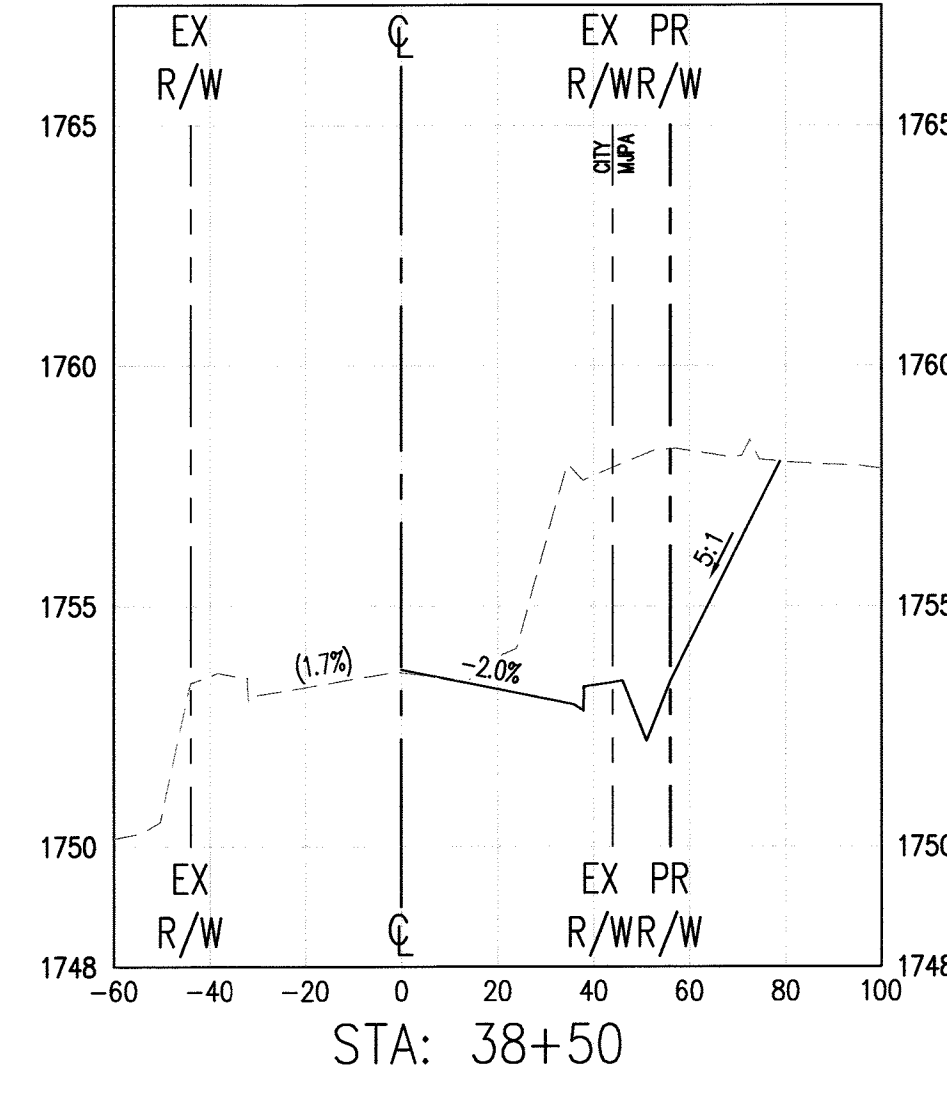
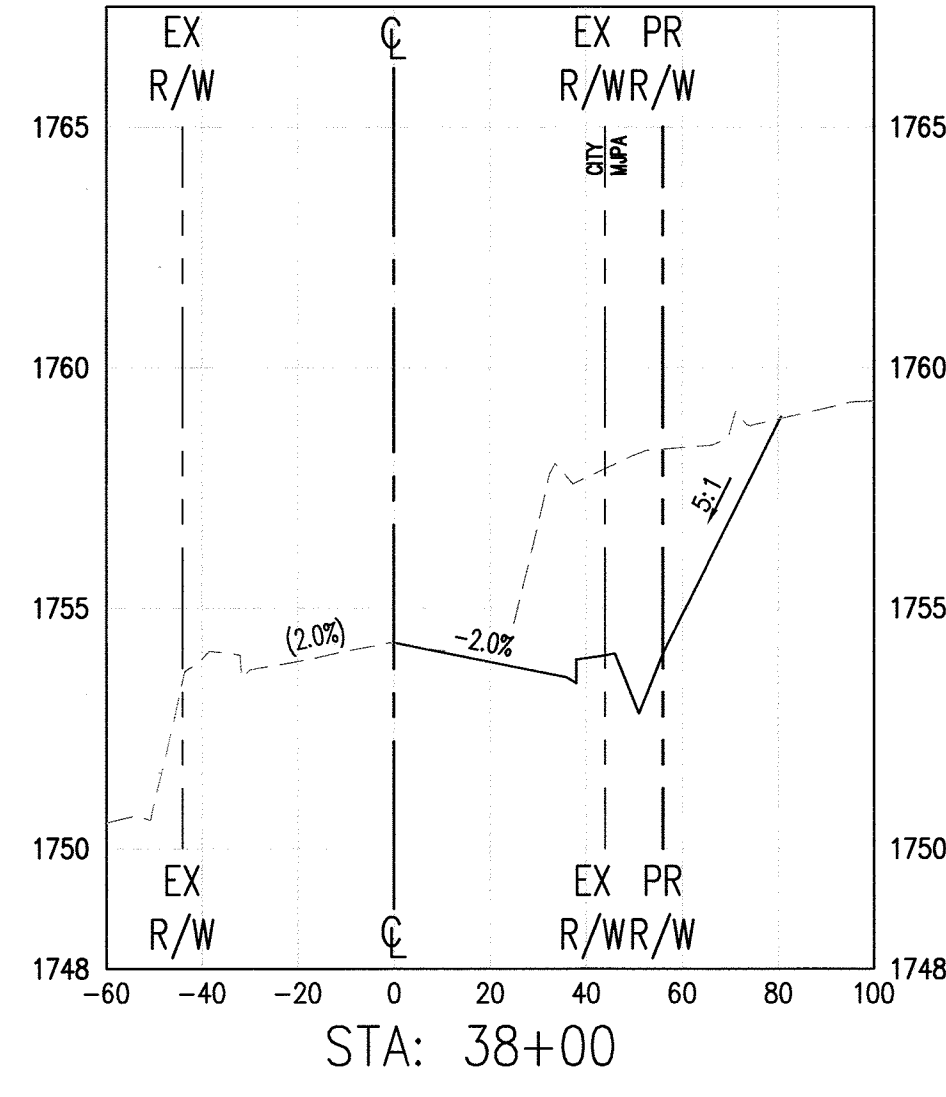
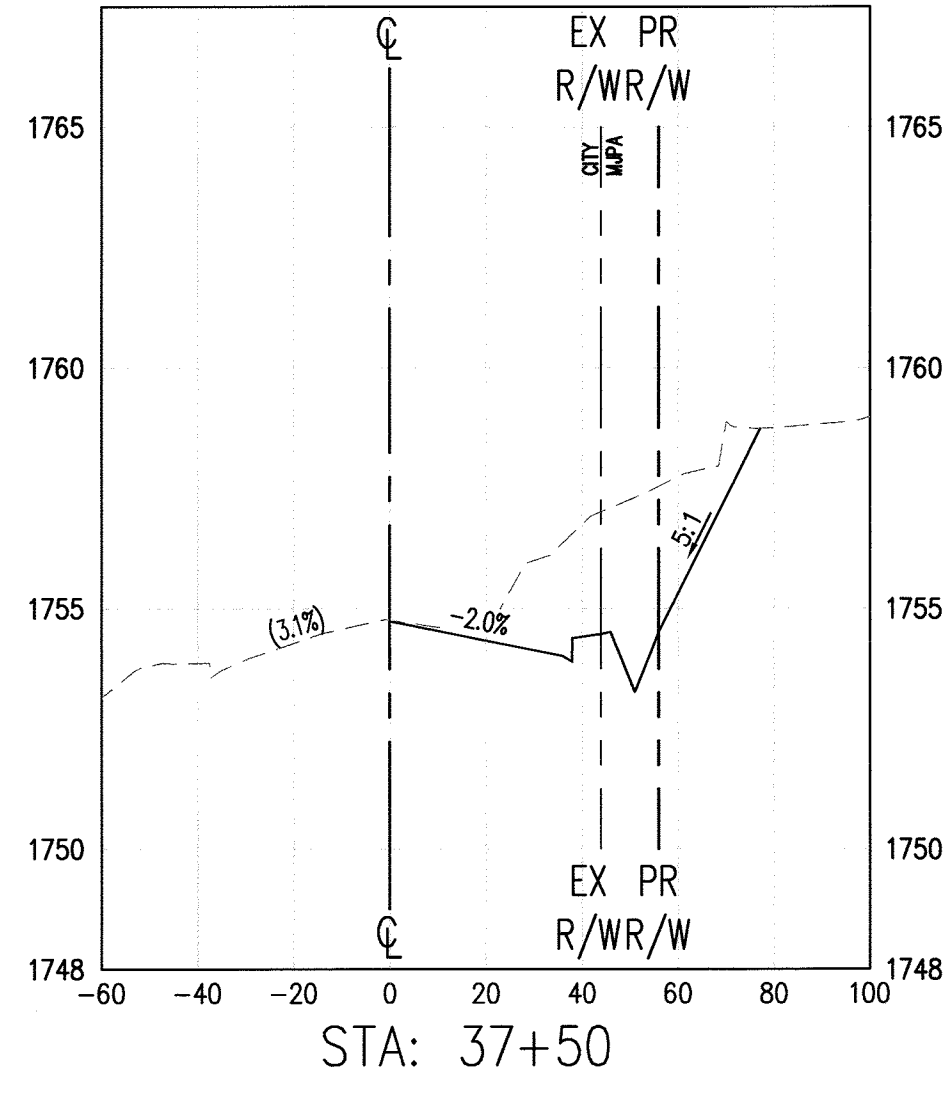
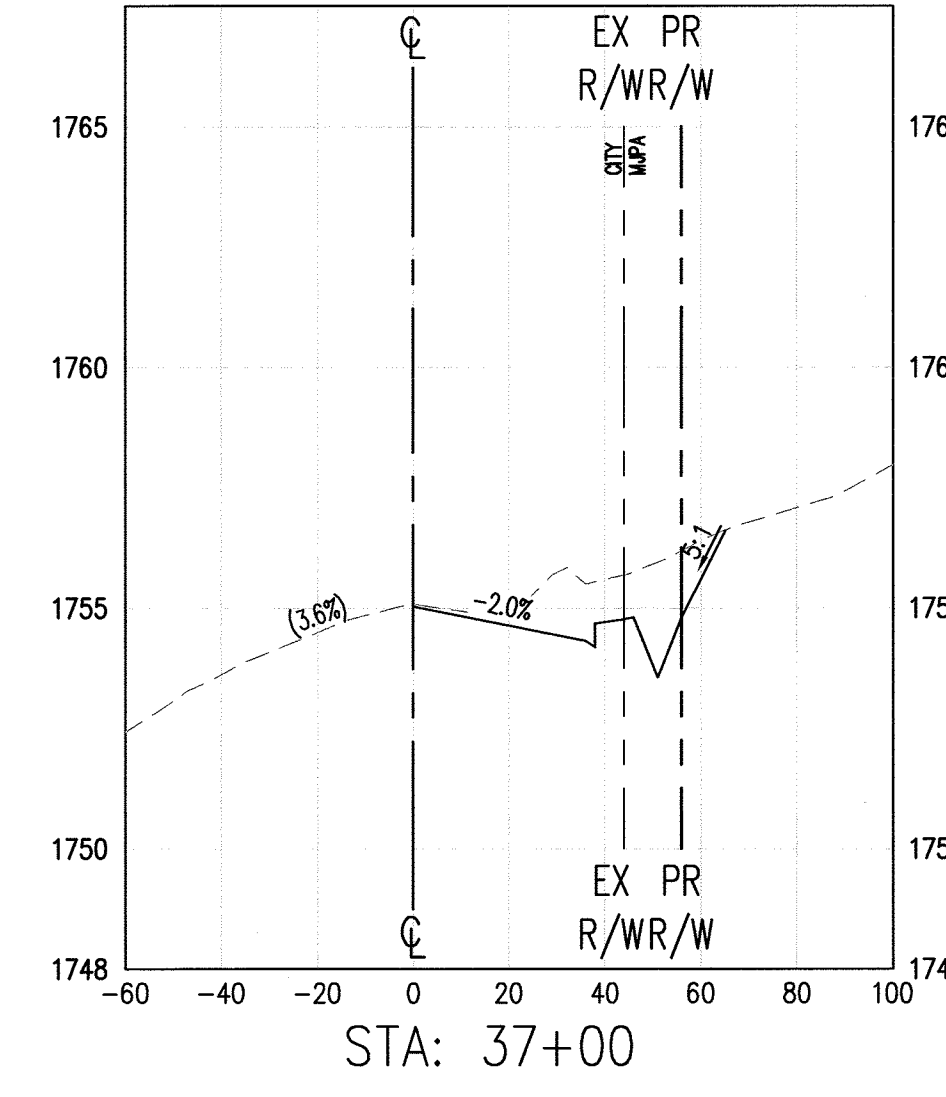
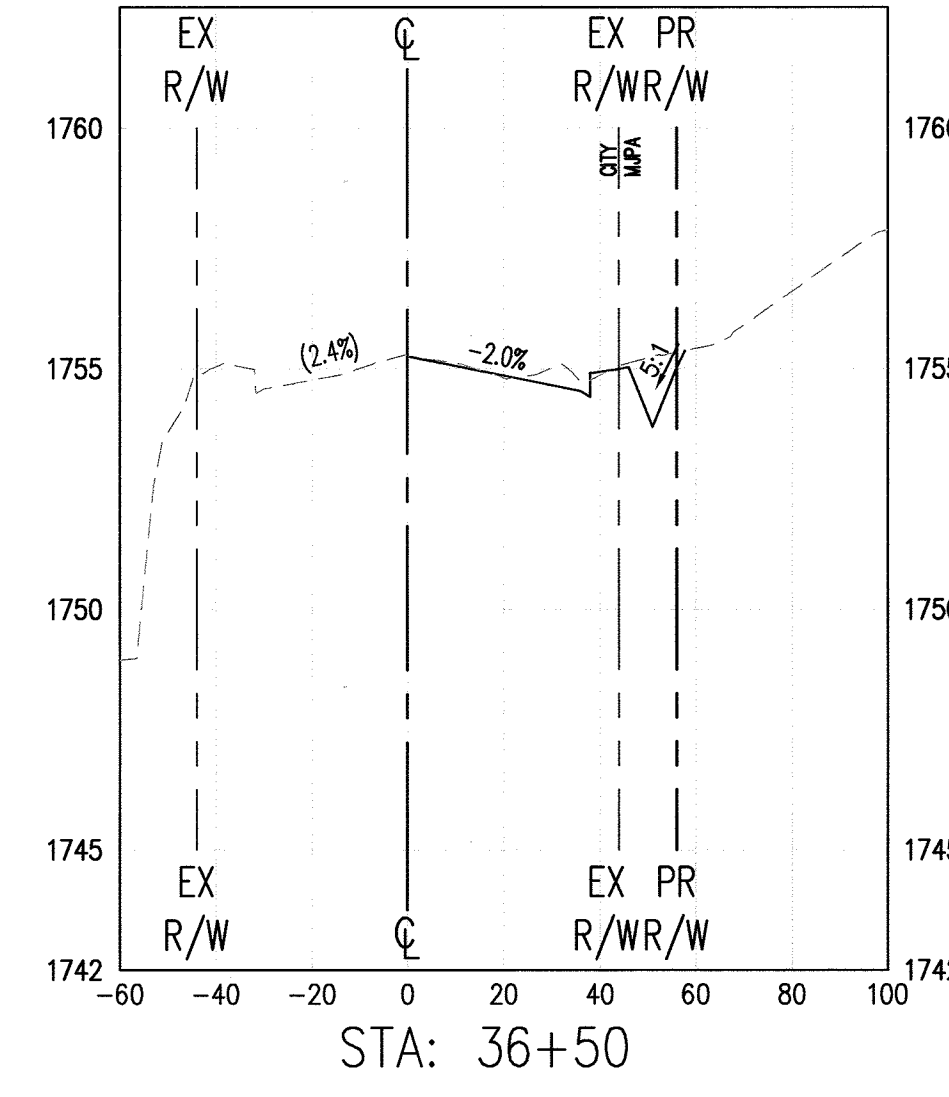
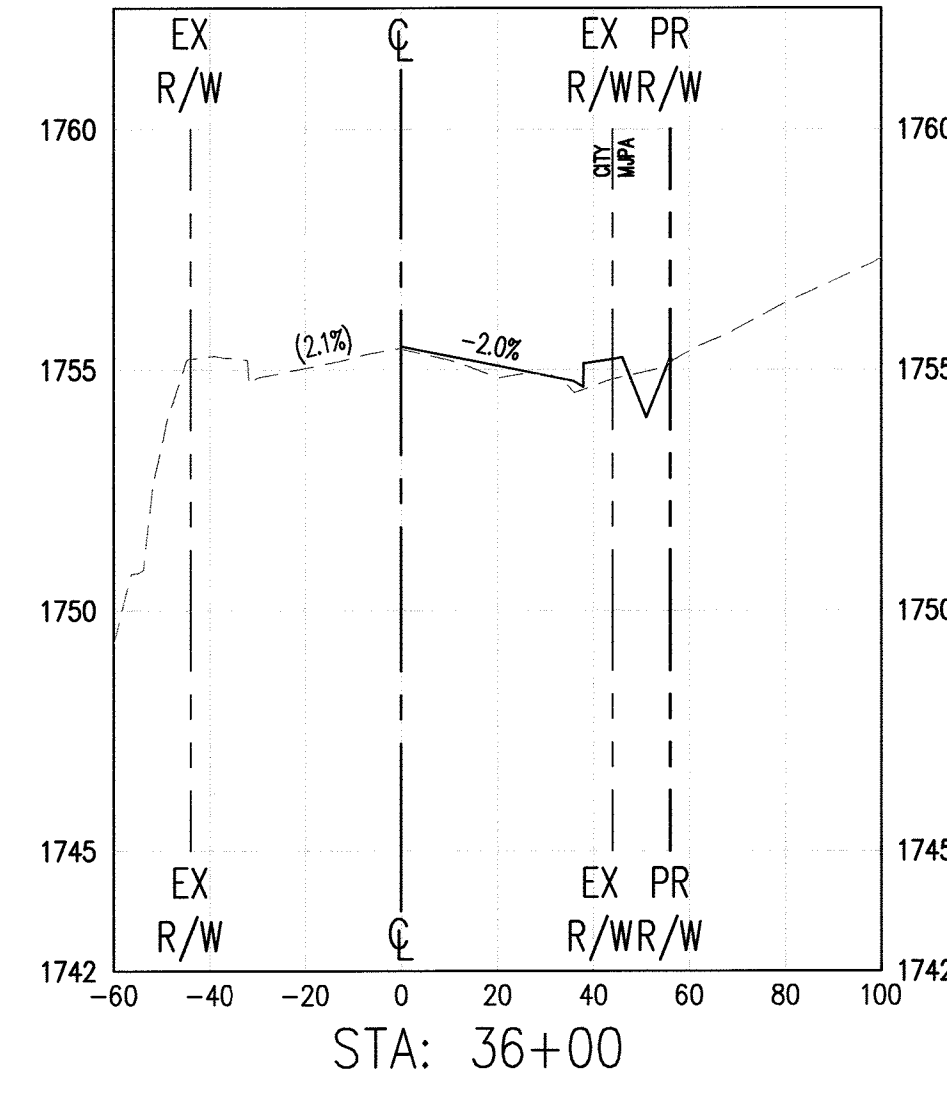
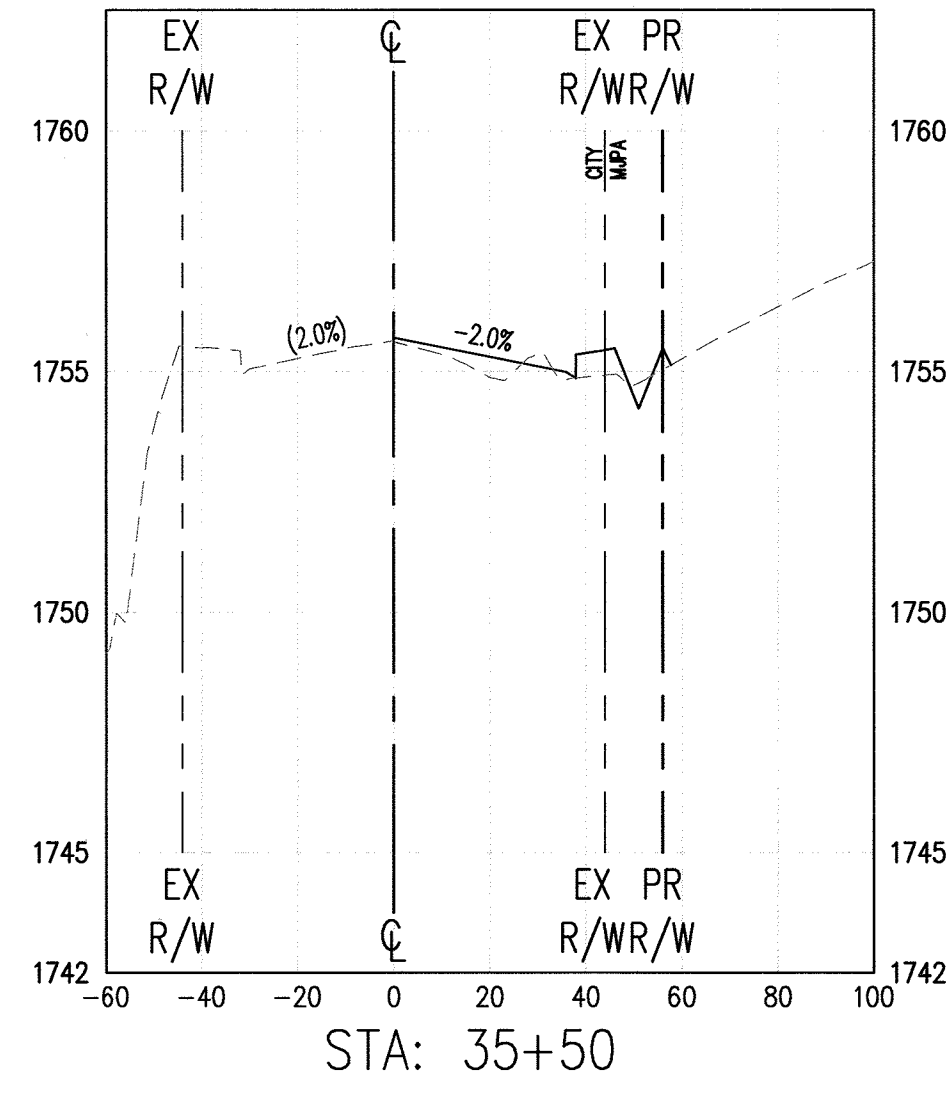
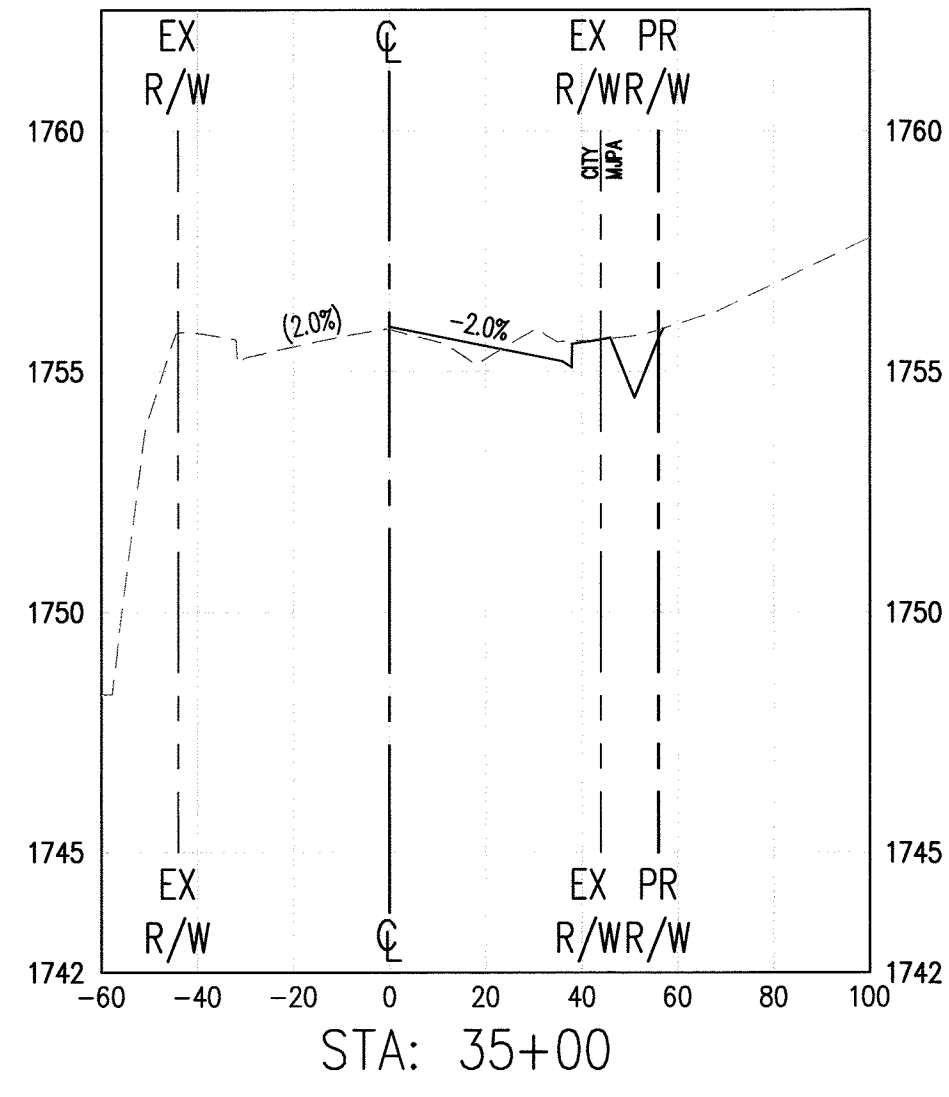
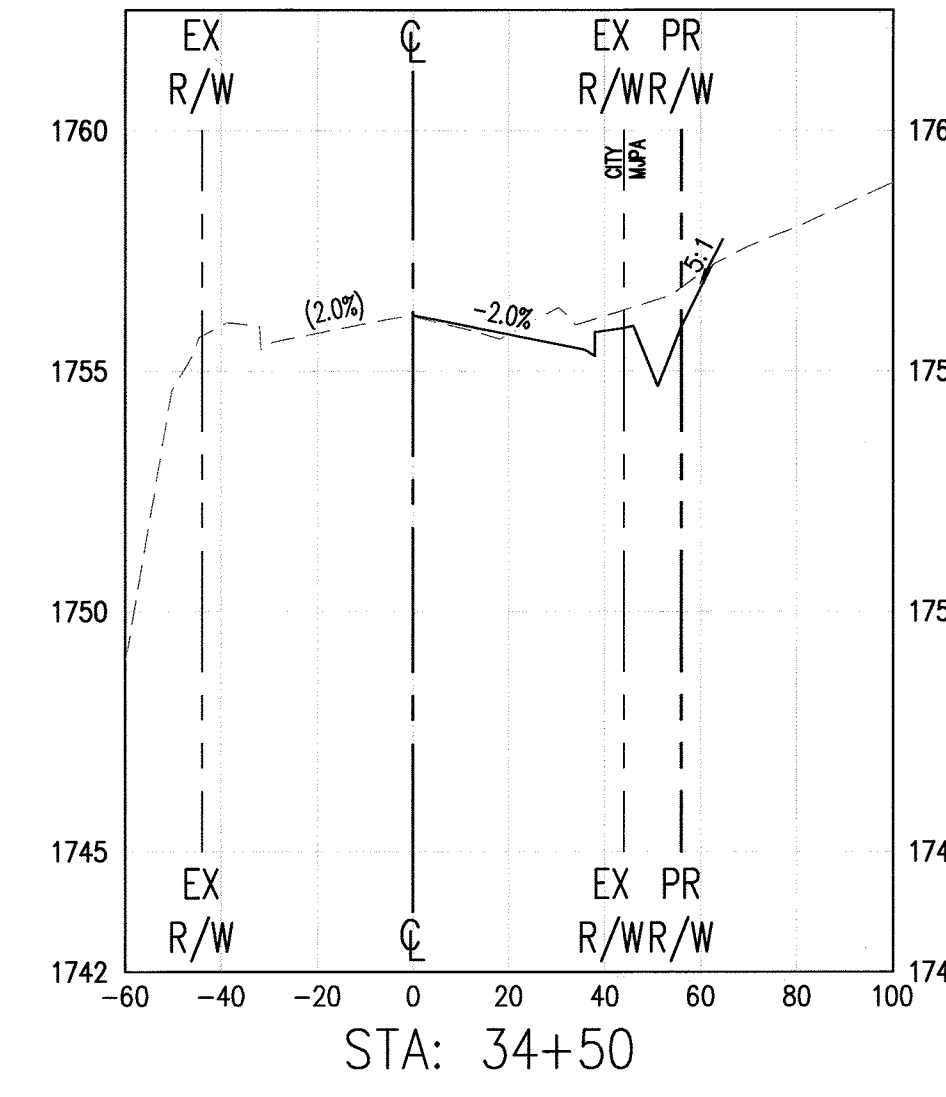
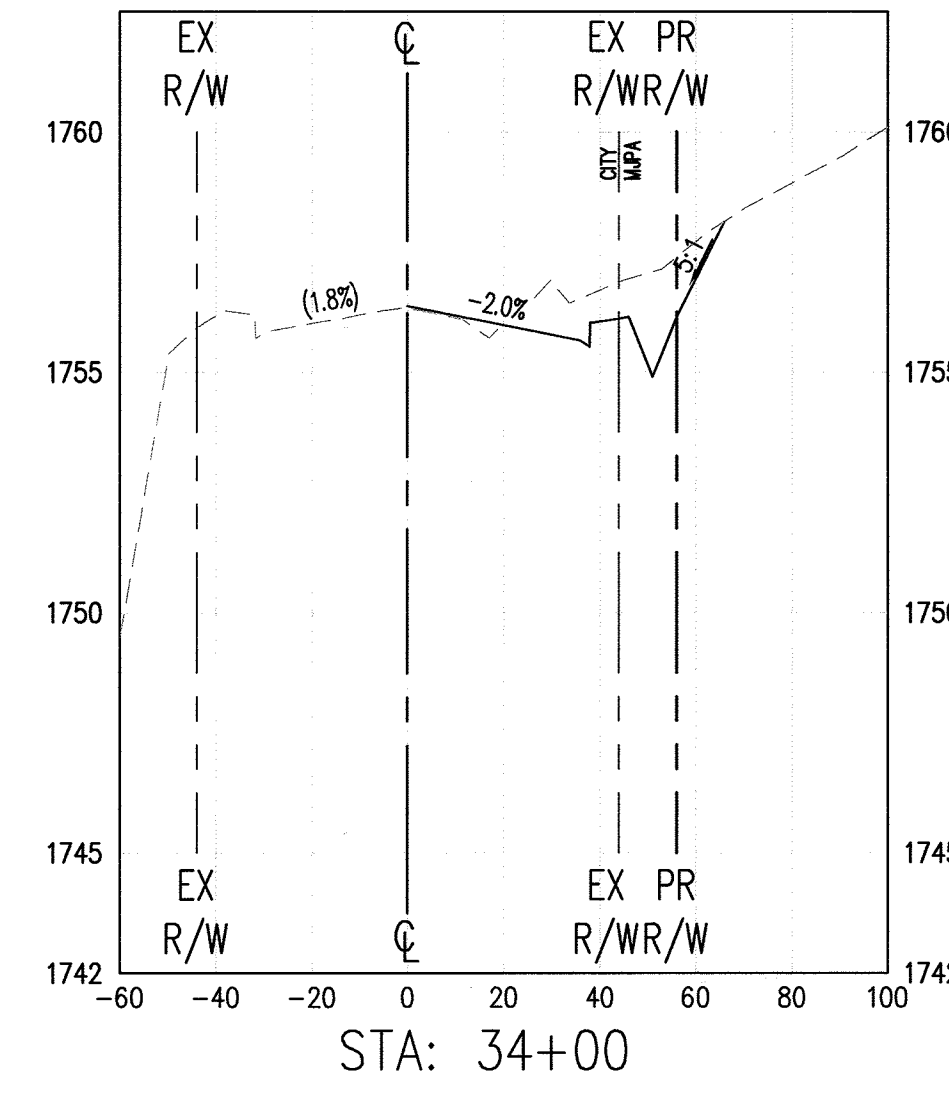
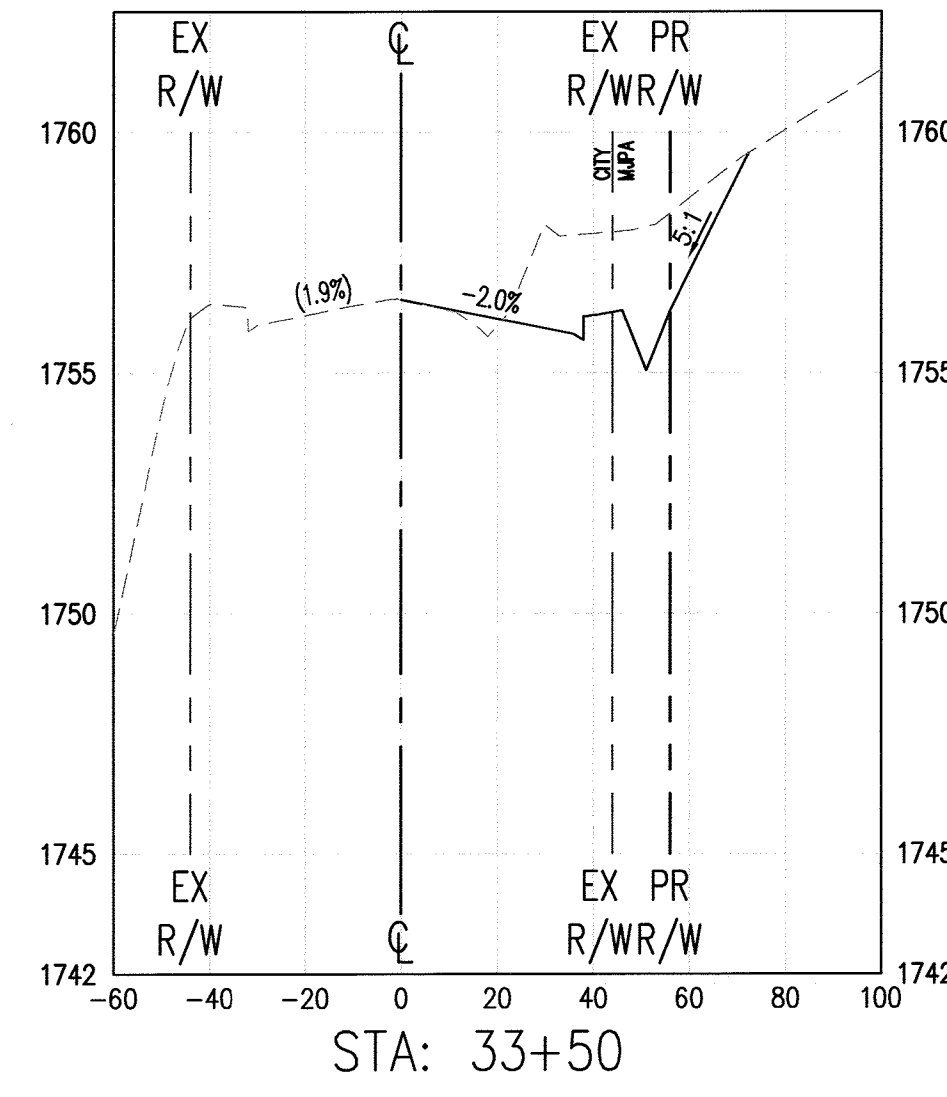
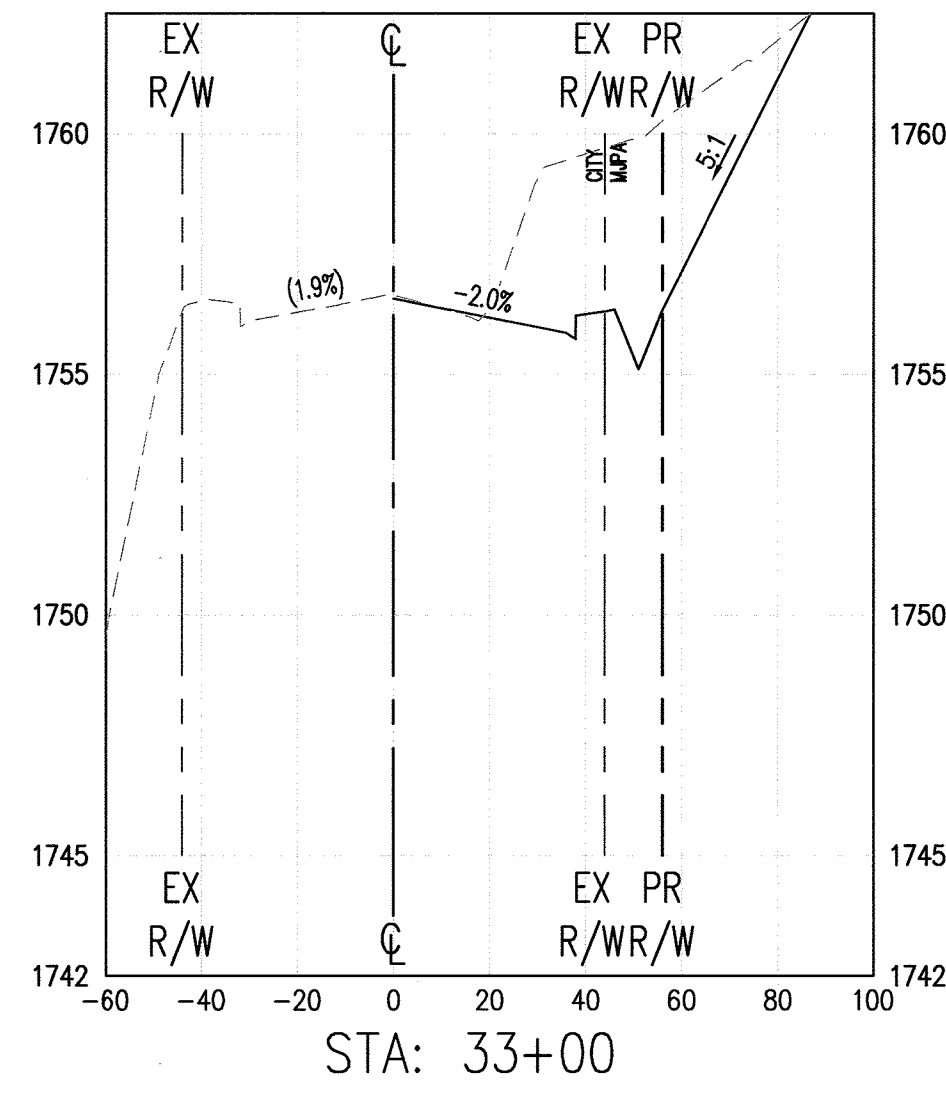
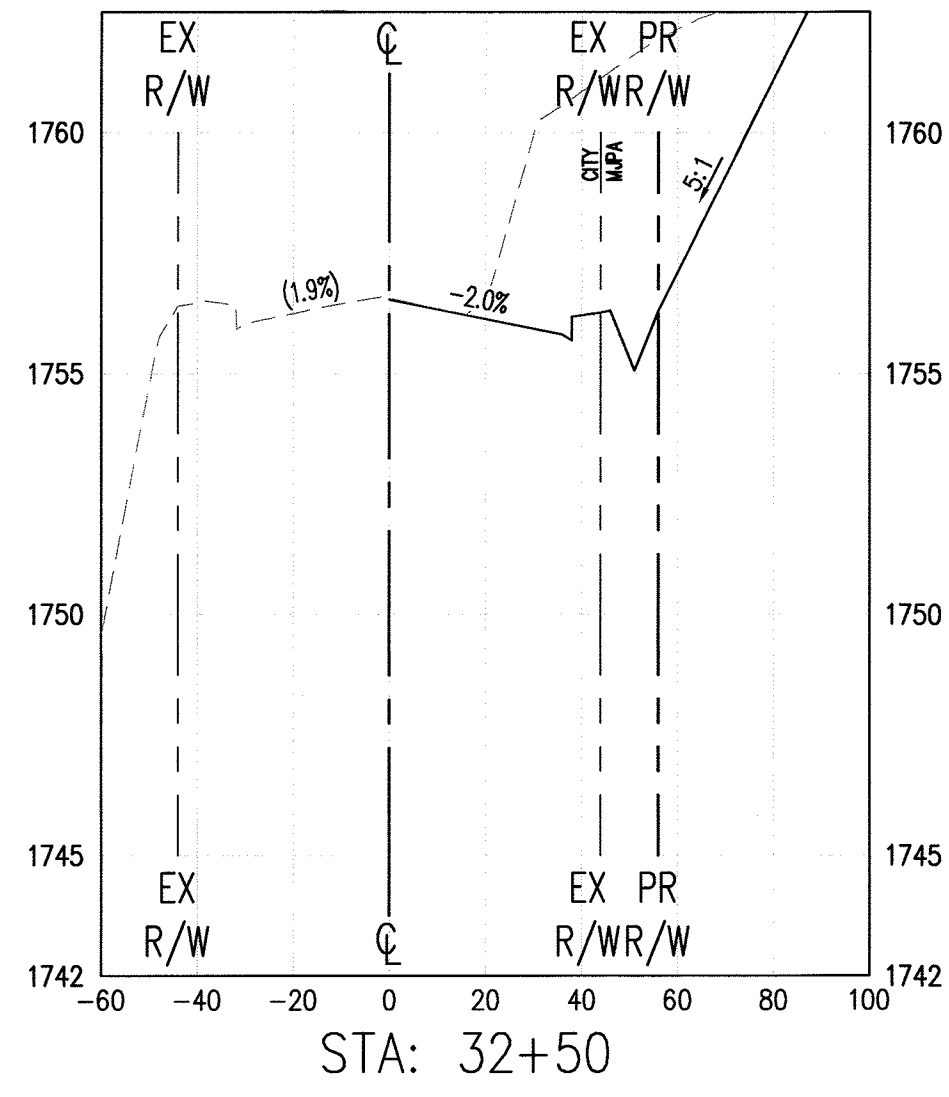
ALL WORK WITHIN CITY OF RIVERSIDE REQUIRES THEIR APPROVAL.
CITY OF RIVERSIDE
PUBLIC UTILITIES- ELECTRIC
APPROVED BY: _____ DATE: _____

CROSS SECTION SCALES
HORIZONTAL 1" = 40'
VERTICAL 1" = 4'

CITY OF RIVERSIDE
PW17-0475
R-4419
SHEET NO. 9
OF 16 SHEETS

STREET IMPROVEMENT PLANS
MERIDIAN - BARTON ROAD
BARTON ROAD
CROSS SECTIONS
FOR: _____ W.O.: _____ M/JA FILE NO.: MJ-085

March 09, 2018 08:27:04am \\s:\2017\17-320 Lewis Meridian Barton Road Improvements\STA\Barton\5 - BARTON SECTIONS.dwg

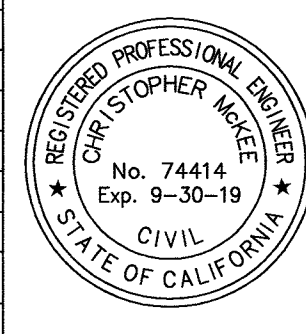


WDID No.: 8 33C382574

Don't Dig...Until You Call U.S.A. Toll Free 811
 For the location of buried utility lines. Don't disrupt vital services.
 TWO WORKING DAYS BEFORE YOU DIG

BENCH MARK:
 A STANDARD U.S.C. & G.S. BRASS DISC STAMPED "Z 1143 1961" IN A CONCRETE POST ALONG THE A.T.S.F. RAILROAD SOUTH OF VAN BUREN BOULEVARD.
 RIVERSIDE COUNTY SURVEYORS POINT ID 600-43-68
 DATUM: NGVD29 ADJ. 1971 ELEVATION 1532.70

MARK	BY	DATE	REVISIONS	APPR	DATE



PREPARED BY:
MORC Engineering, Inc.
 Civil Engineering/Land Surveying/Land Planning
 160 S. Old Springs Road Suite 210 Anaheim Hills, CA 92808 714-685-6860
 Christopher McKee R.C.E. 74414
 DATE: 03/09/2018

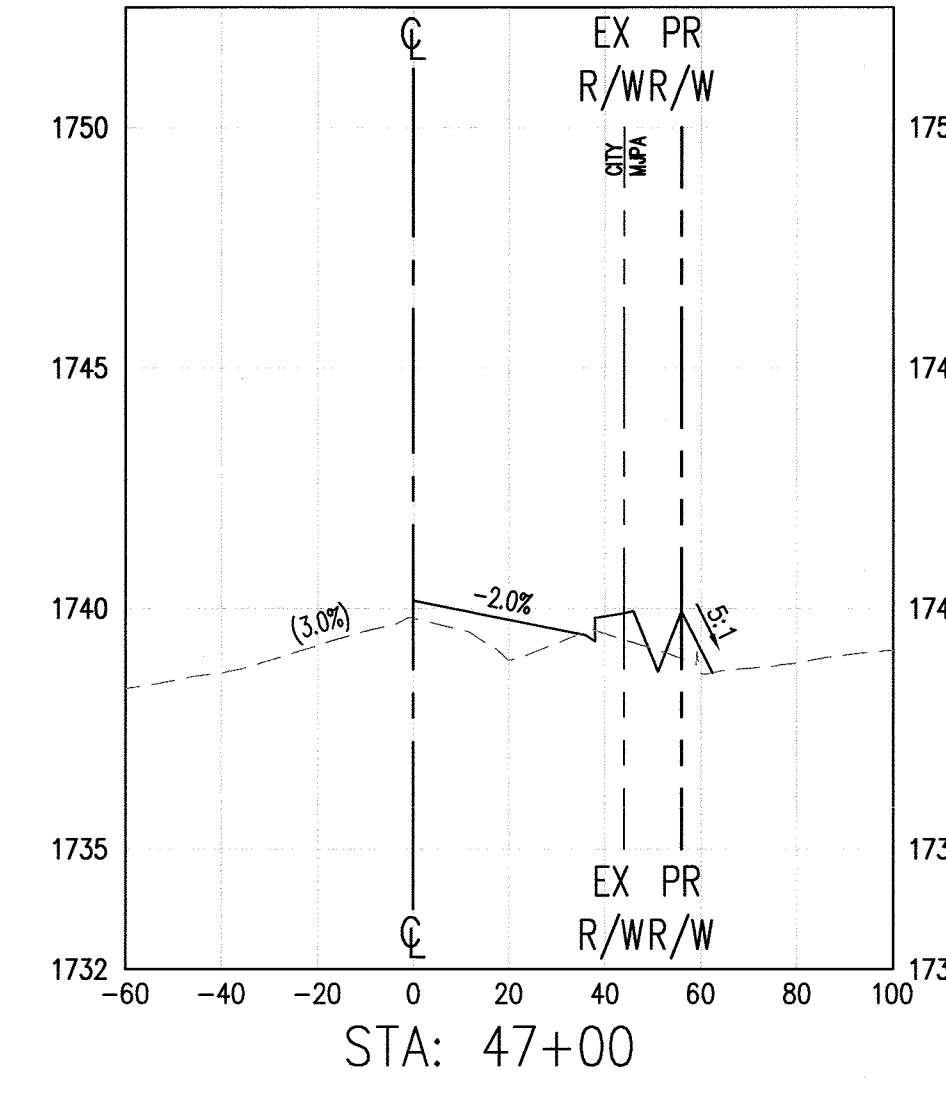
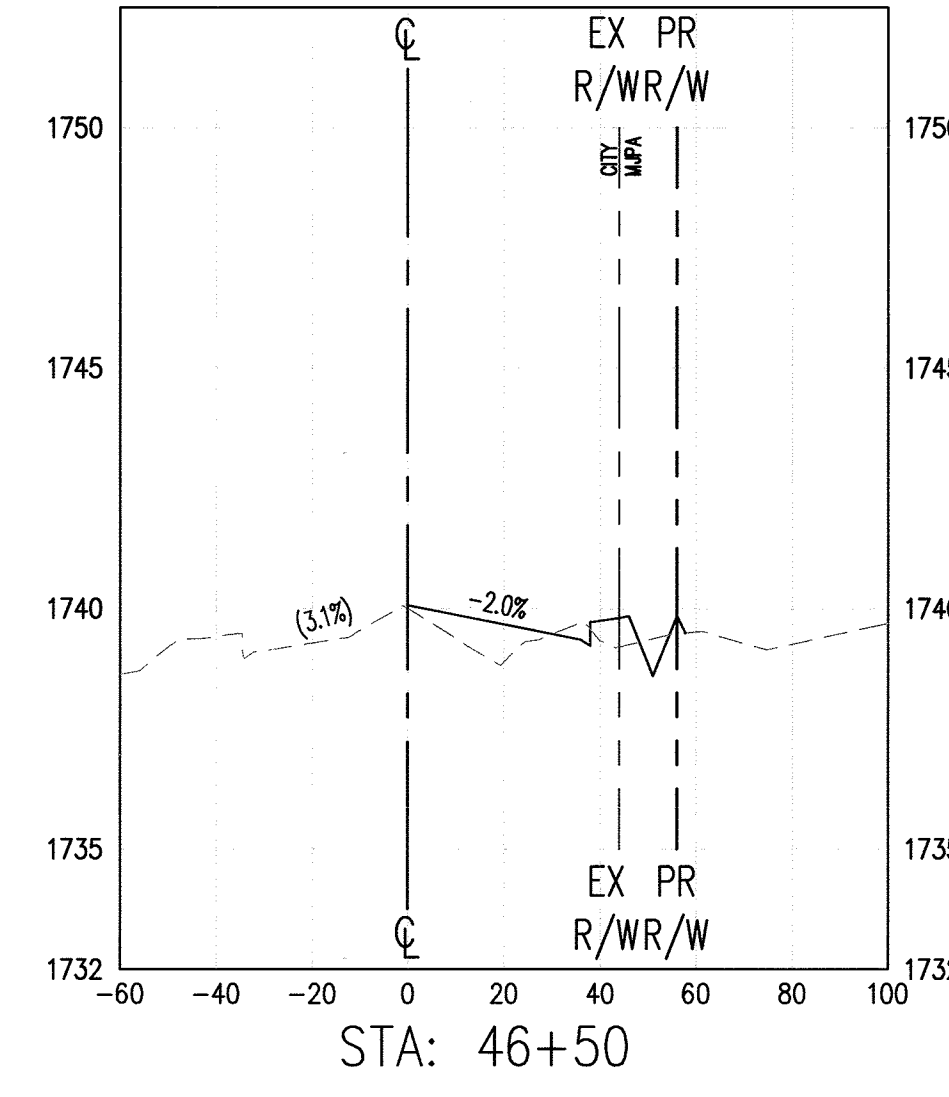
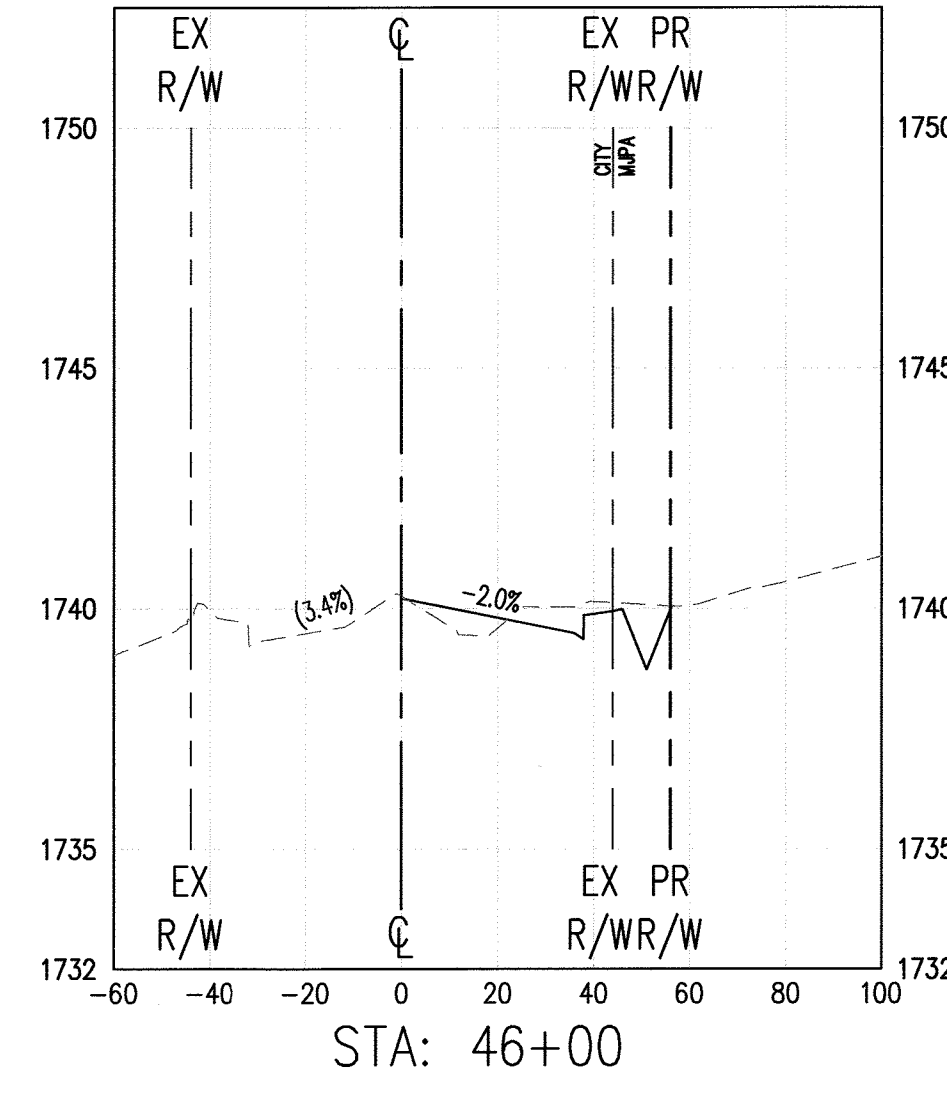
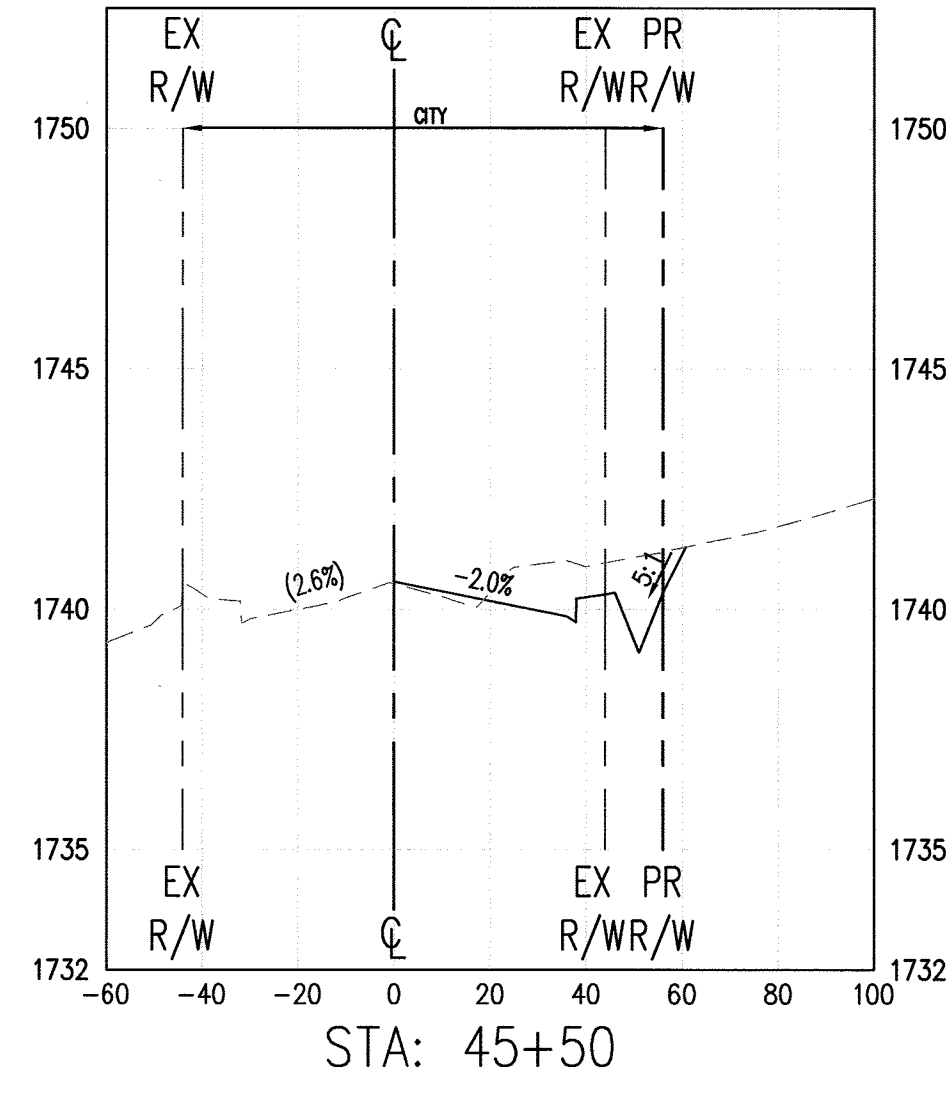
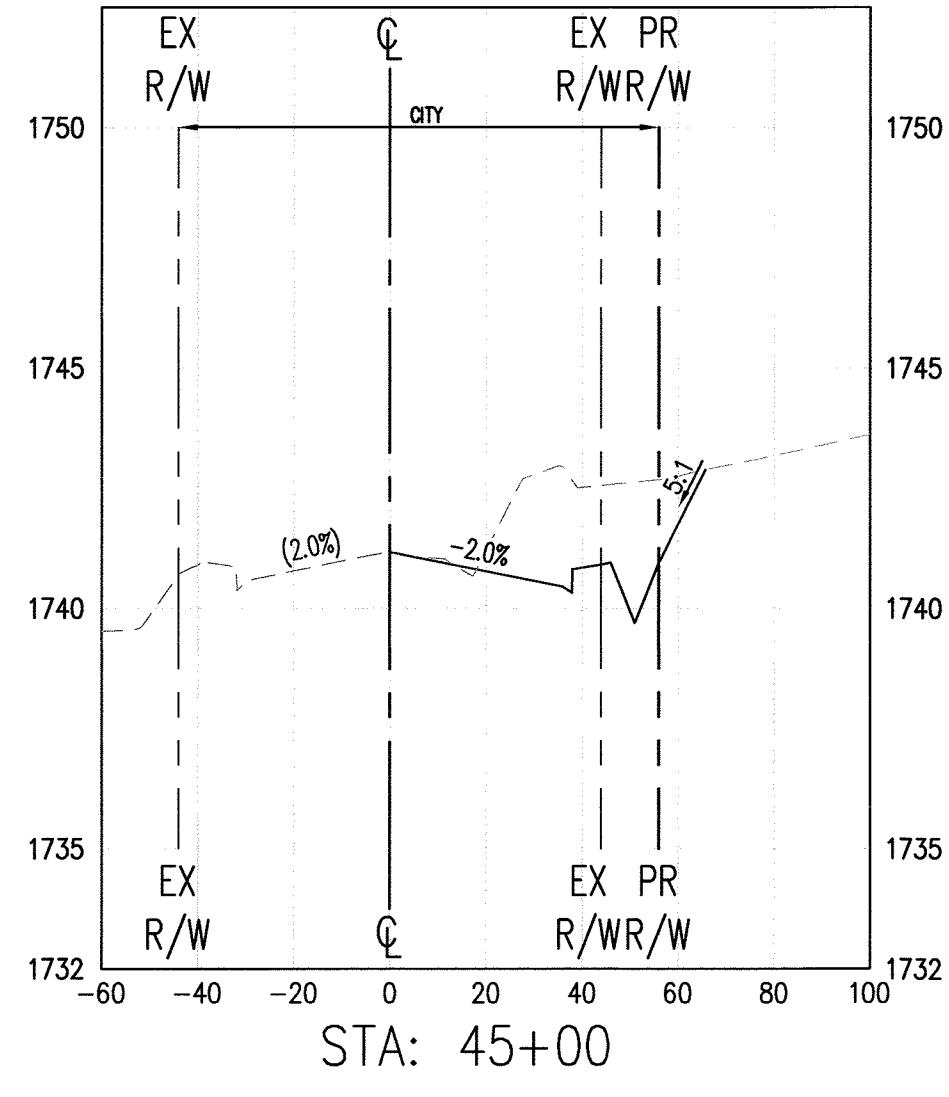
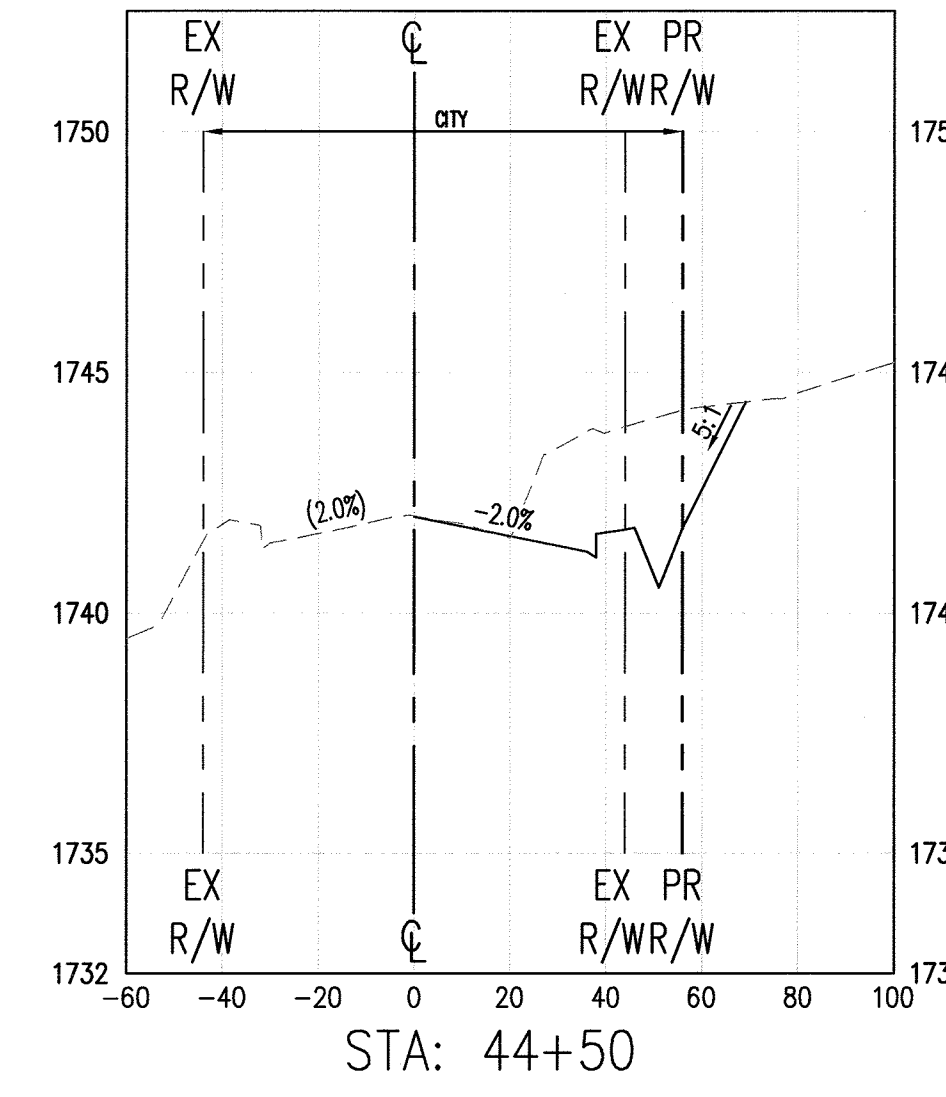
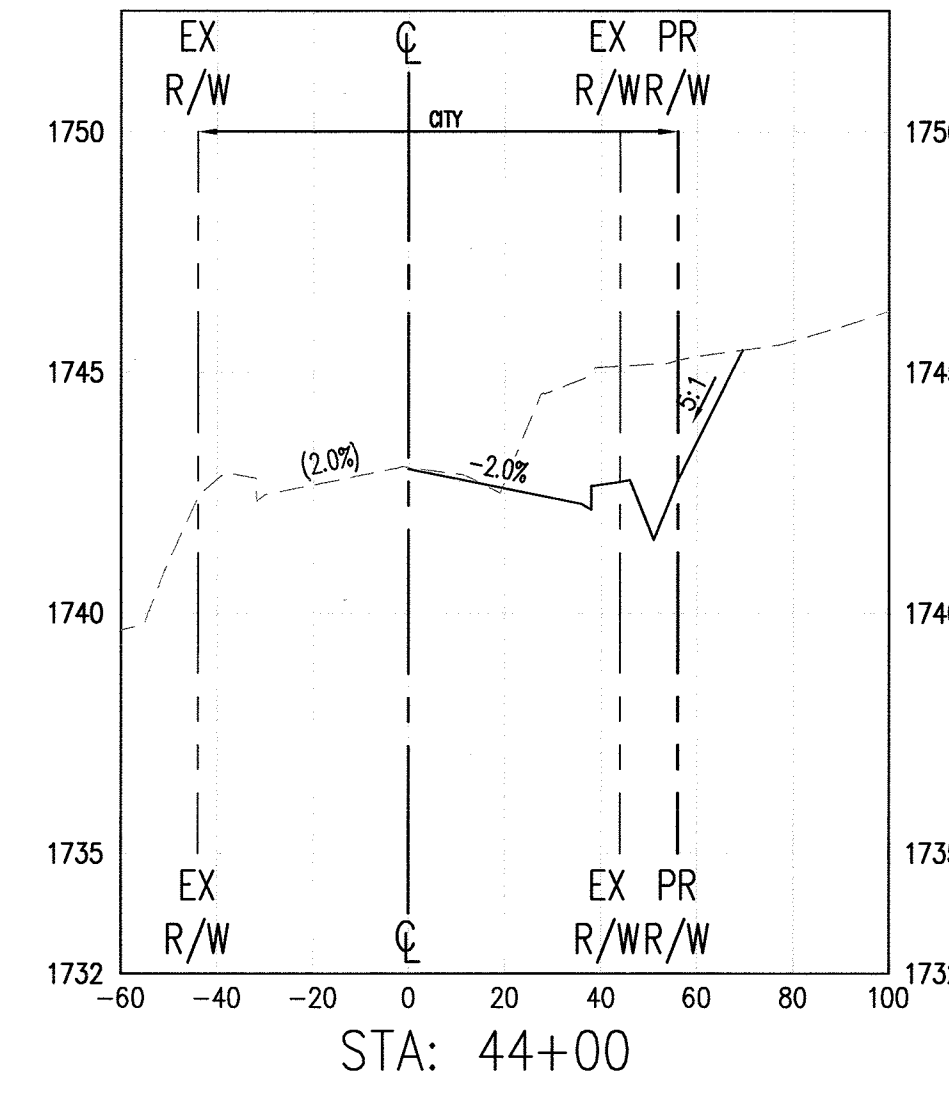
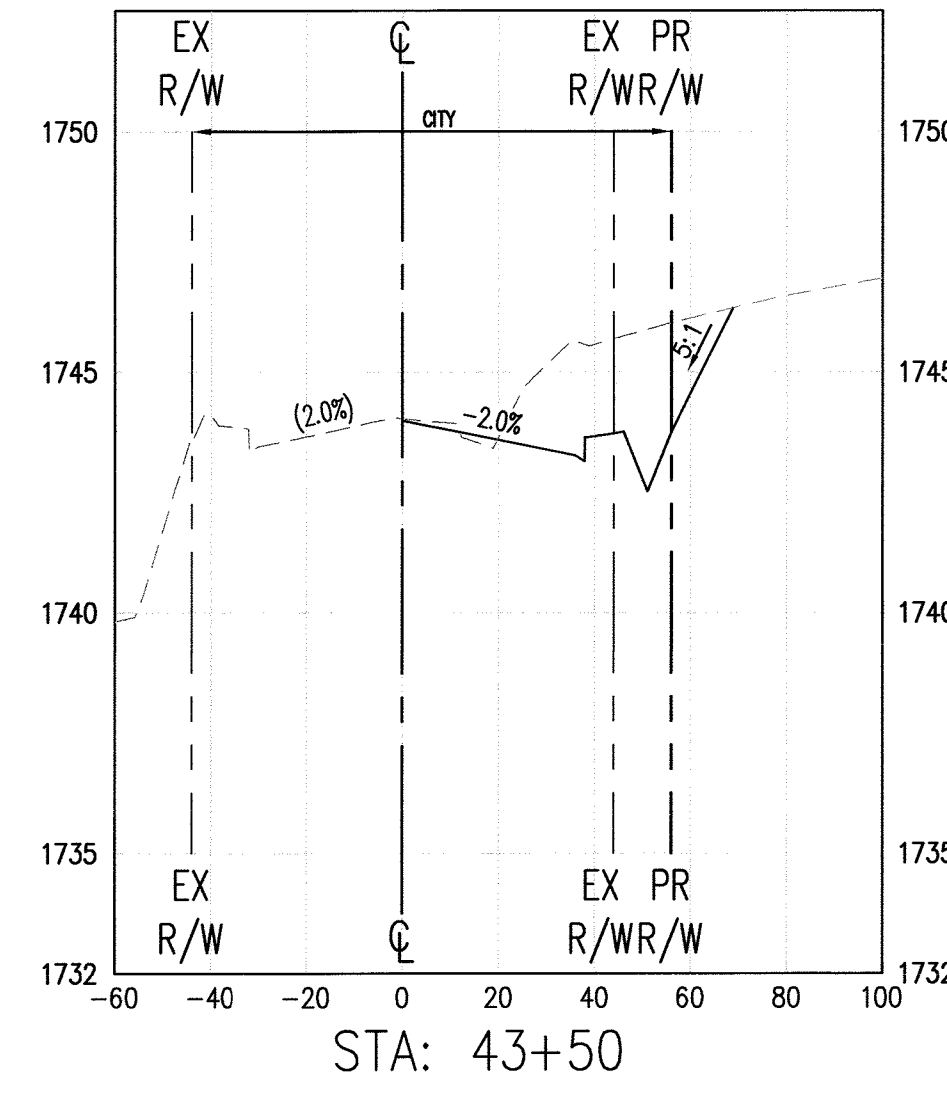
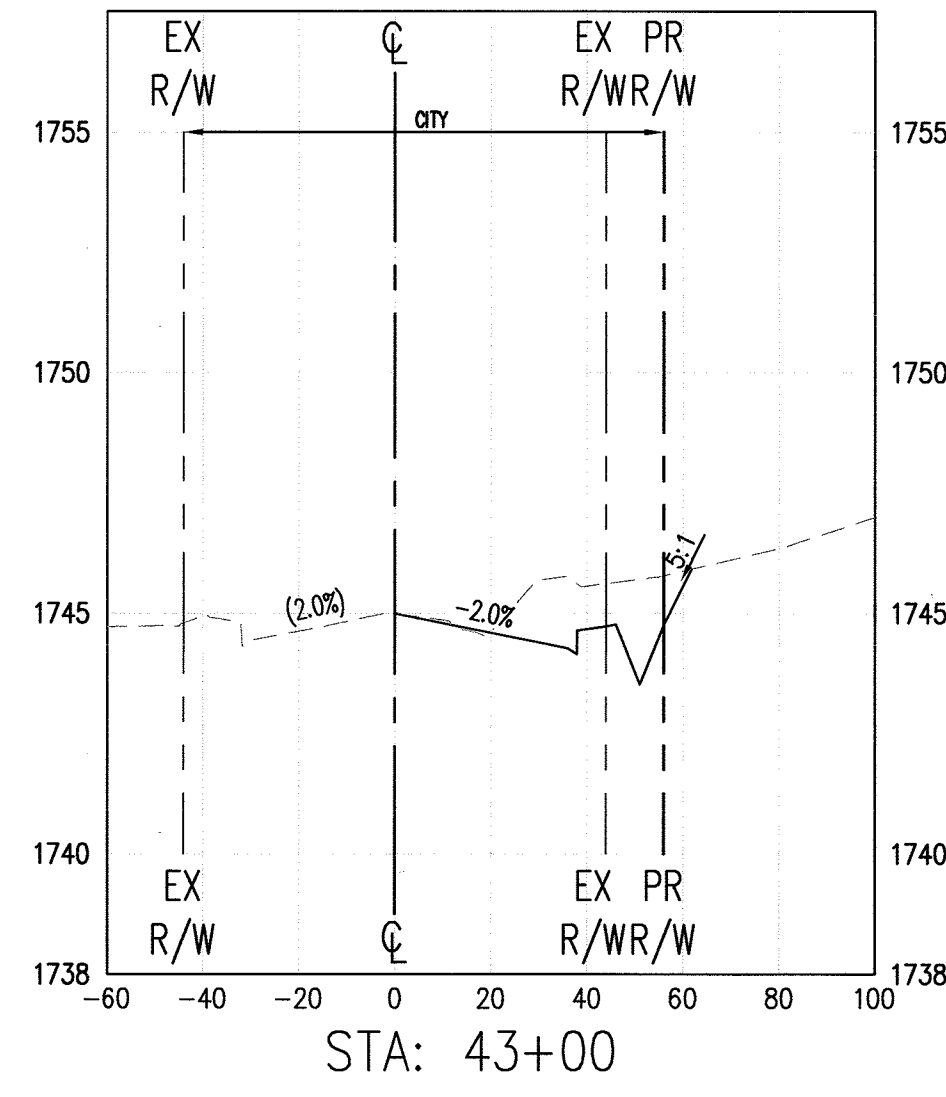
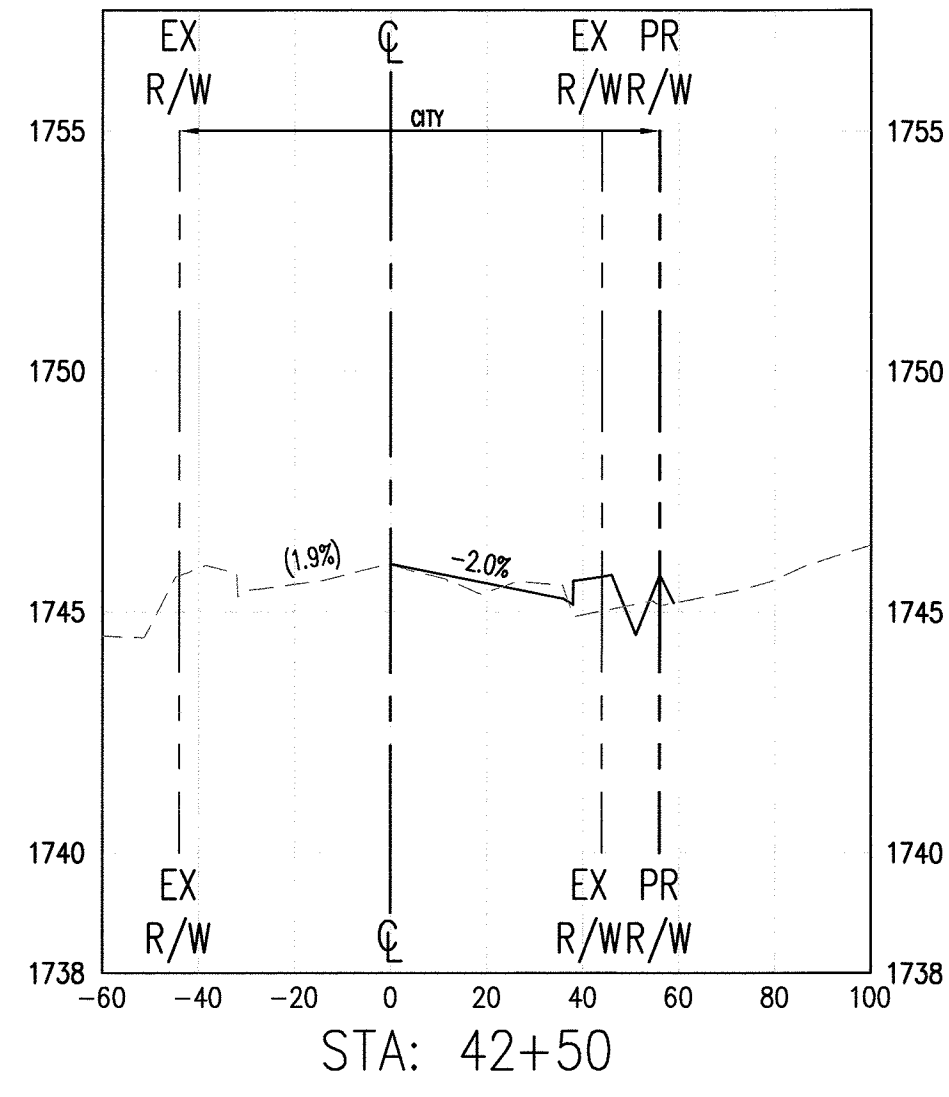
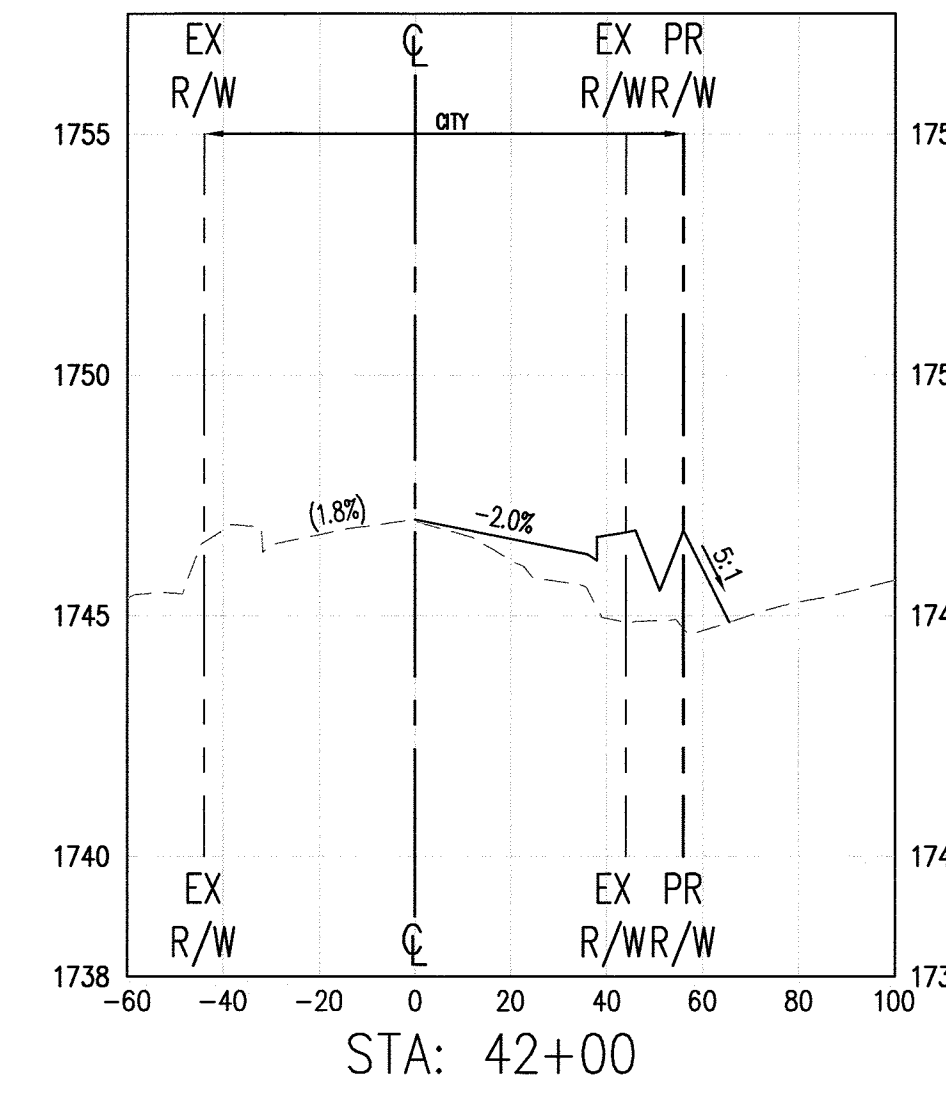
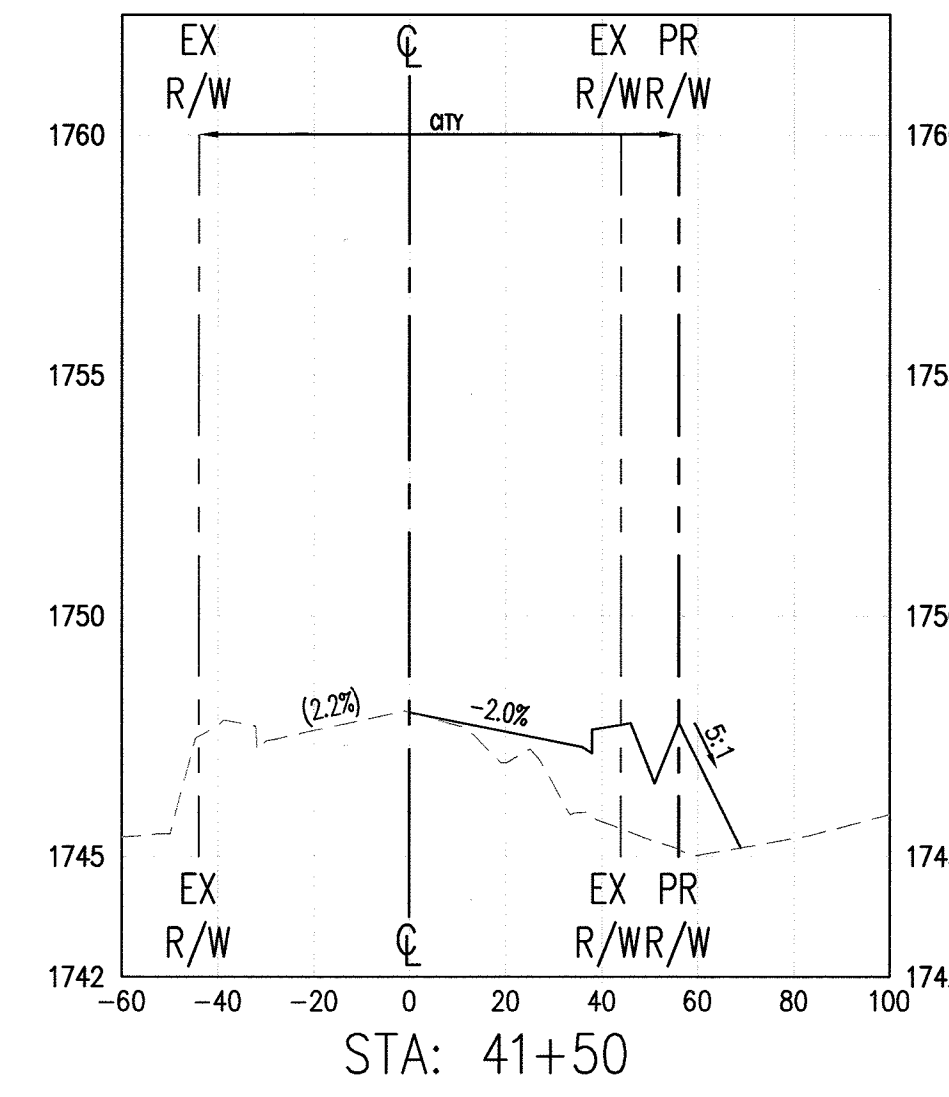
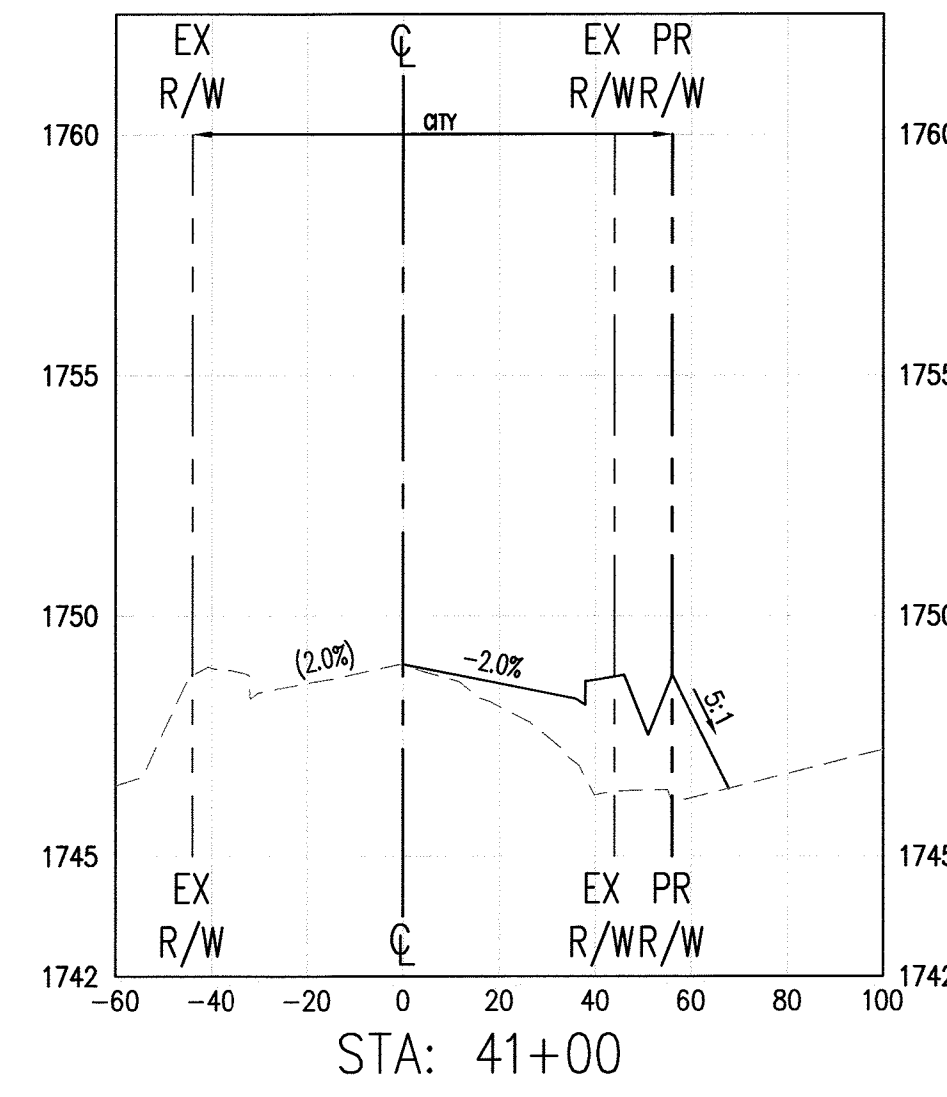
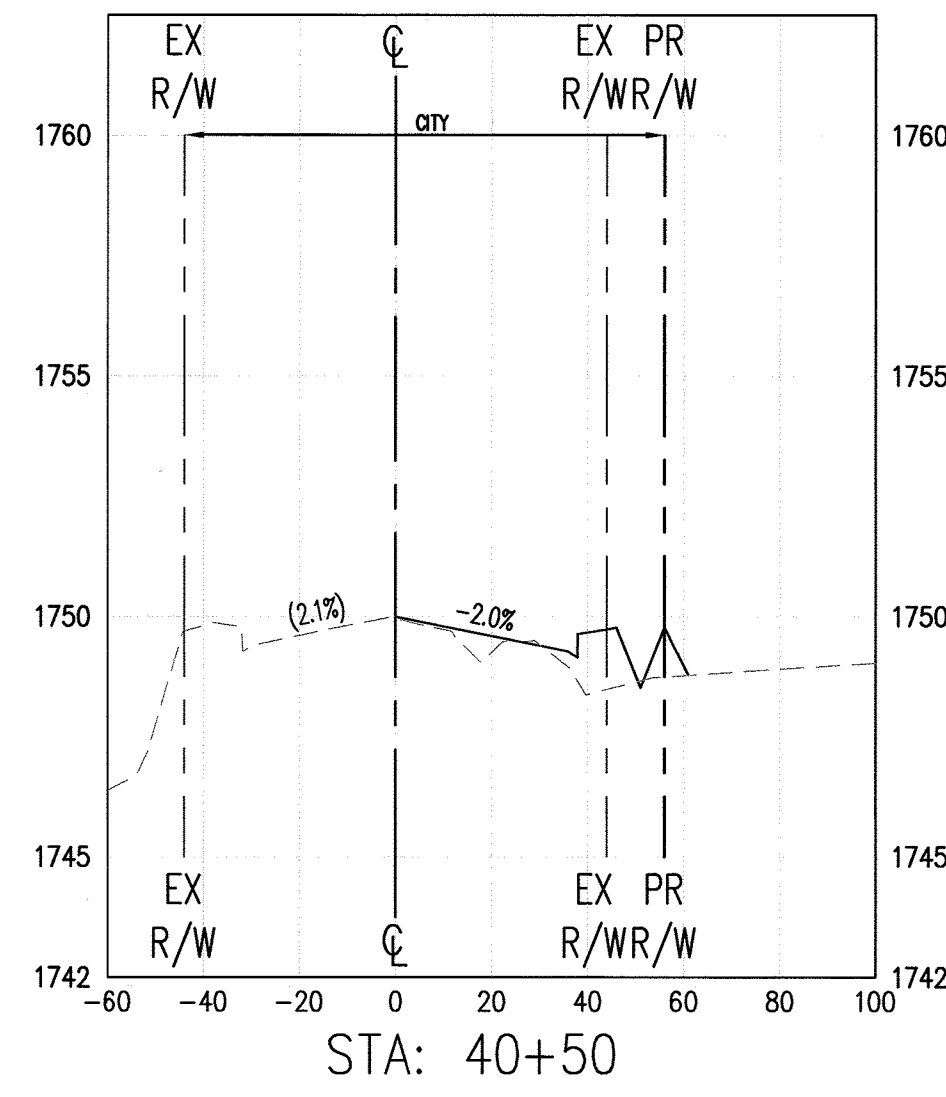
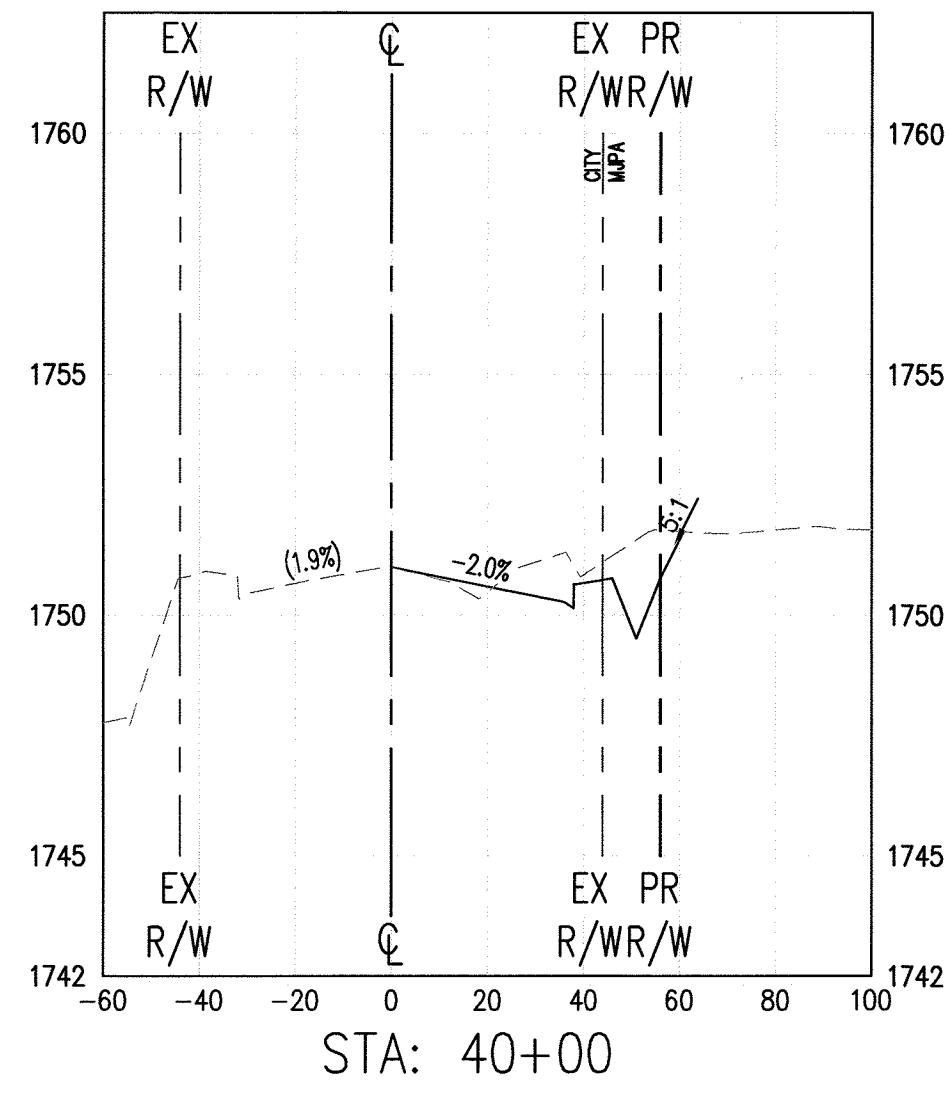
CITY OF RIVERSIDE, CALIFORNIA
 PUBLIC WORKS DEPARTMENT
 APPROVED BY: [Signature] DATE APPROVED BY: [Signature]
 ENGINEERING MANAGER: [Signature] DATE: [Signature]
 CONST. CONTRACT ADMIN: [Signature] DATE: [Signature]
 STREET SERVICES: [Signature] DATE: [Signature]
 TRAFFIC DIVISION: [Signature] DATE: [Signature]

ALL WORK WITHIN CITY OF RIVERSIDE REQUIRES THEIR APPROVAL.
~~CITY OF RIVERSIDE PUBLIC UTILITIES- ELECTRIC~~
 APPROVED BY: _____ DATE: _____

CROSS SECTION SCALES
 HORIZONTAL 1" = 40'
 VERTICAL 1" = 4'
 CITY OF RIVERSIDE PW17-0475 R-4419
 SHEET NO. 10 OF 16 SHTS
 M/JA FILE NO.: MJ-085

STREET IMPROVEMENT PLANS
 MERIDIAN - BARTON ROAD
 BARTON ROAD
 CROSS SECTIONS

March 09, 2018 08:27:49am M:\2017\17-520 Lewis Meridian Barton Road Improvements\17-Barton\5 - BARTON SECTIONS.dwg



WDID No.: 8 33C382574

ALL WORK WITHIN CITY OF RIVERSIDE REQUIRES THEIR APPROVAL
 CITY OF RIVERSIDE
 PUBLIC UTILITIES-ELECTRIC
 APPROVED BY _____ DATE _____

CROSS SECTION SCALES
 HORIZONTAL 1" = 40'
 VERTICAL 1" = 4'

CITY OF RIVERSIDE
 PW17-0475
 R-4419
 SHEET NO.

STREET IMPROVEMENT PLANS
 MERIDIAN - BARTON ROAD
 BARTON ROAD
 CROSS SECTIONS

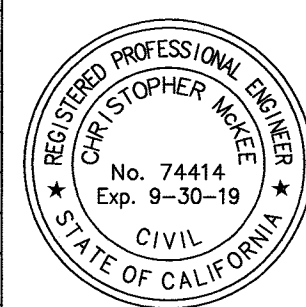
11
 OF 16 SHTS

FOR: _____ W.O.: _____ M/J/A FILE NO.: MJ-085

Don't Dig...Until You Call U.S.A. Toll Free 811
 for the location of buried utility lines. Don't disrupt vital services.
 TWO WORKING DAYS BEFORE YOU DIG

BENCH MARK:
 A STANDARD U.S.C. & G.S. BRASS DISC STAMPED "Z 1143 1961" IN A CONCRETE POST ALONG THE A.T.S.F. RAILROAD SOUTH OF VAN BUREN BOULEVARD.
 RIVERSIDE COUNTY SURVEYORS POINT ID 600-43-68
 DATUM: NGVD29 ADJ. 1971 ELEVATION 1532.70

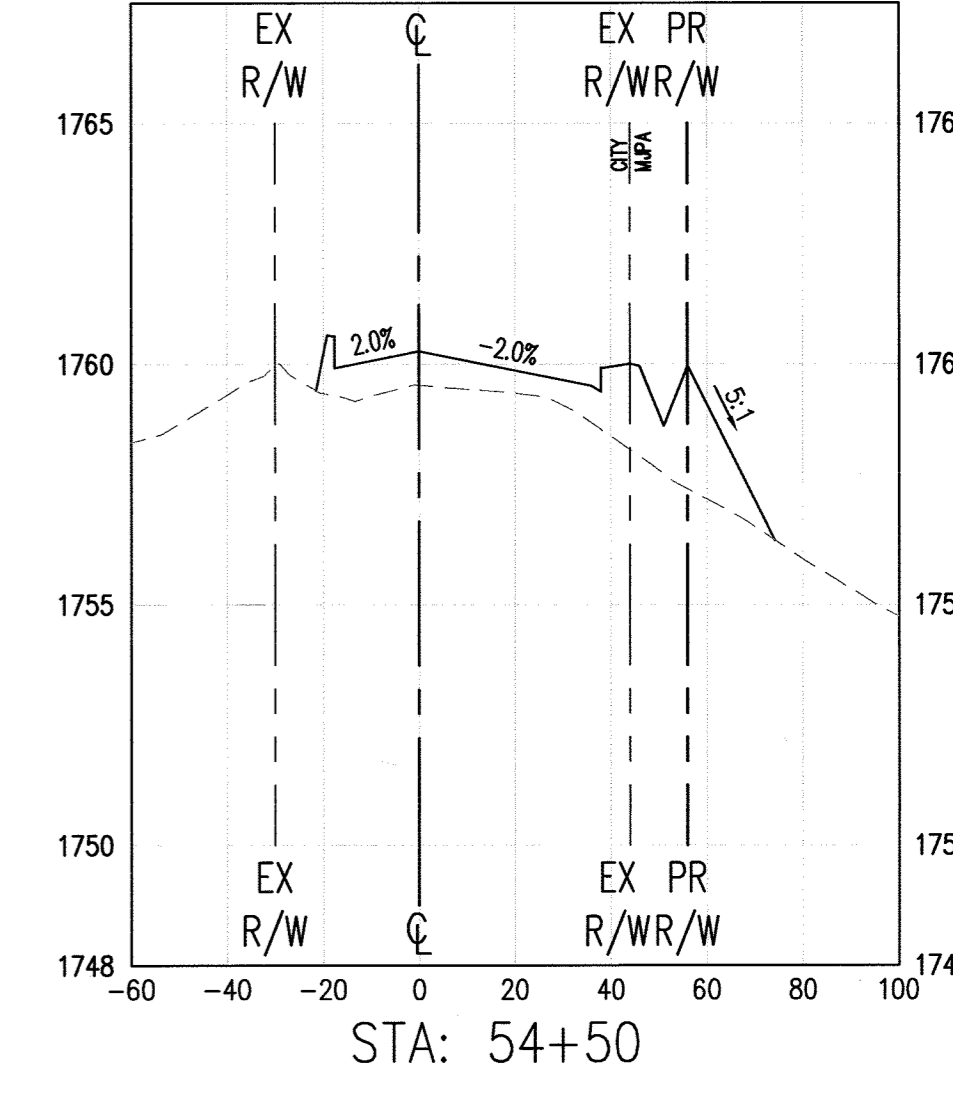
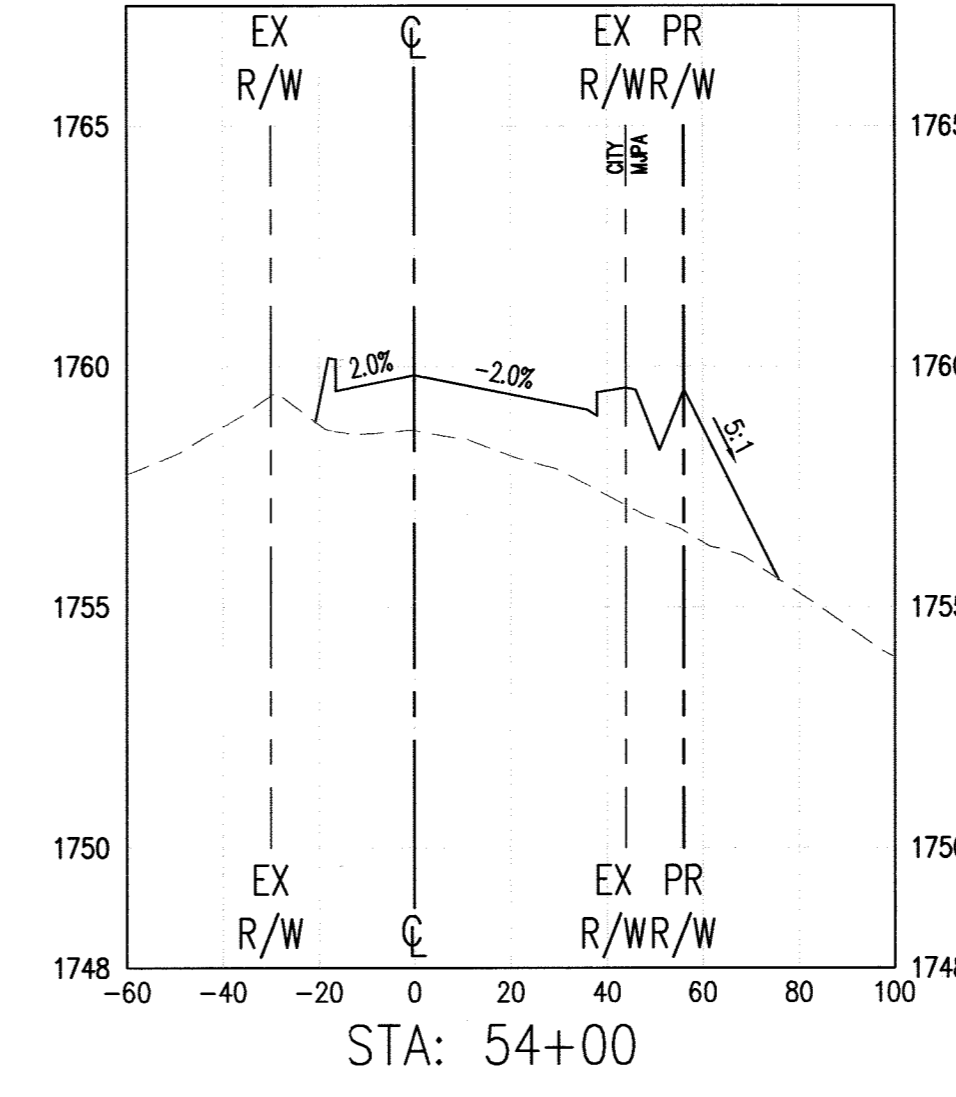
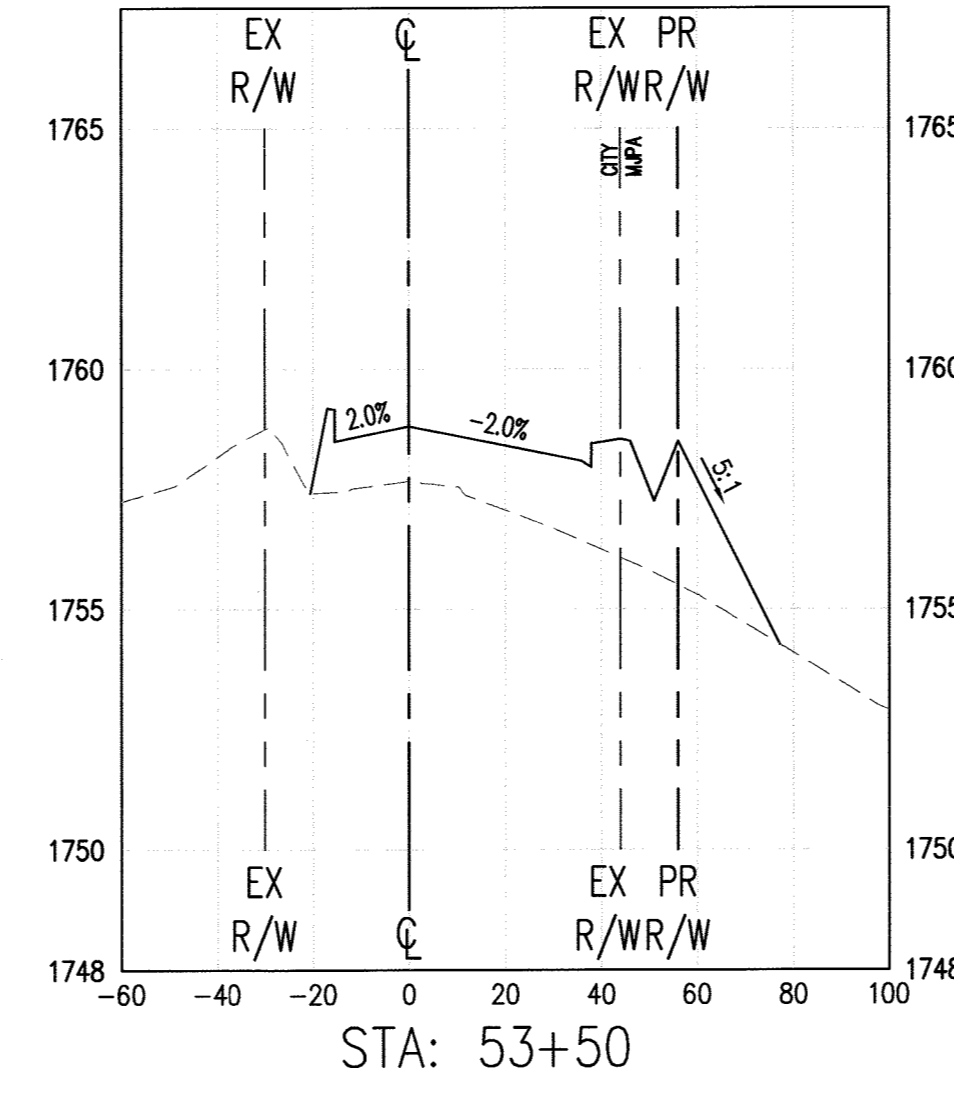
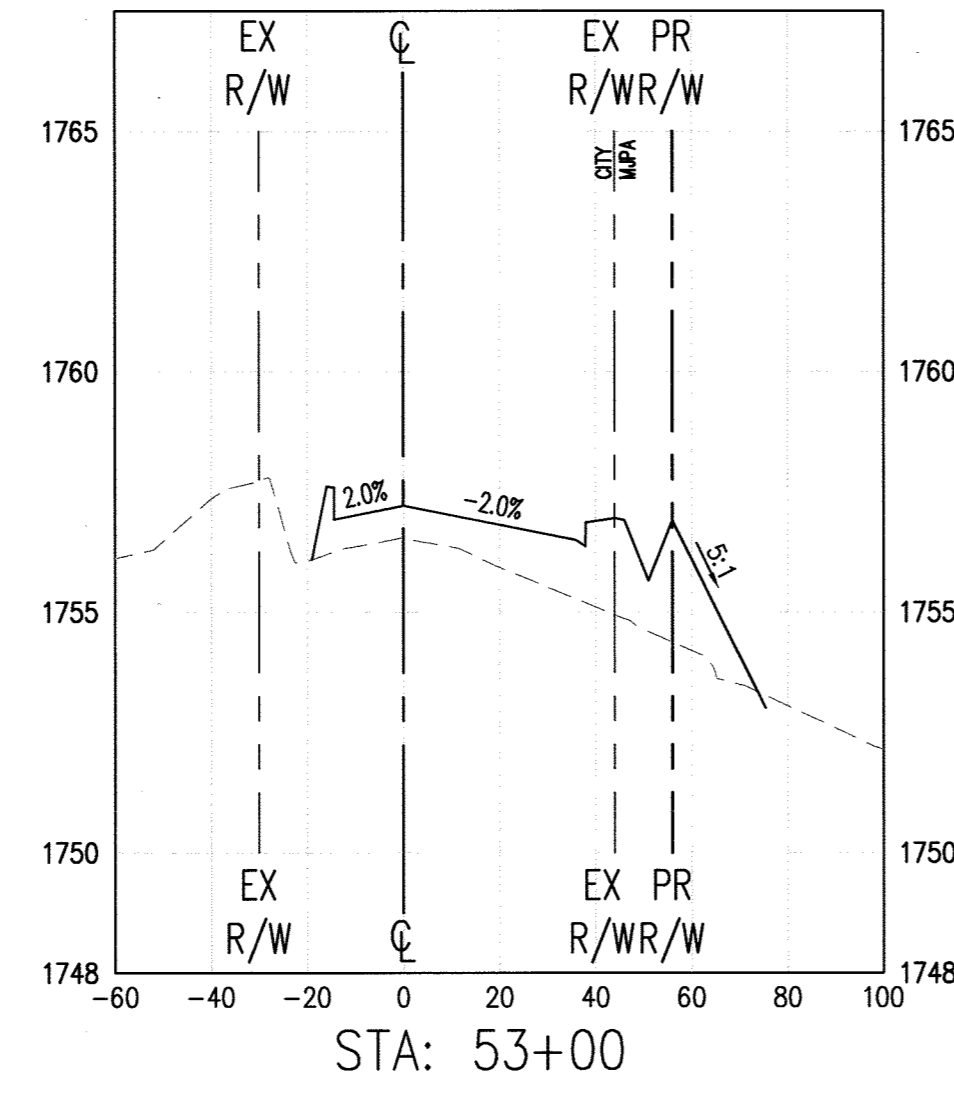
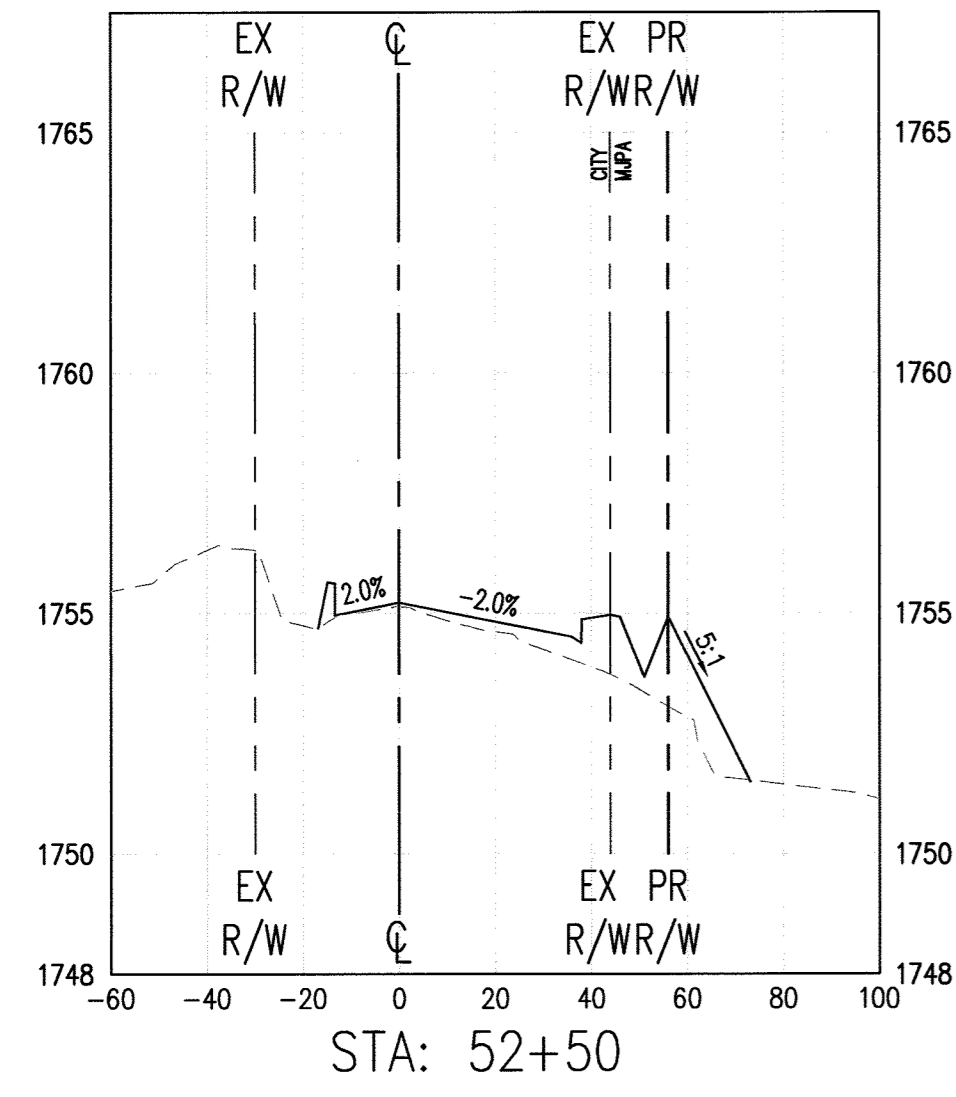
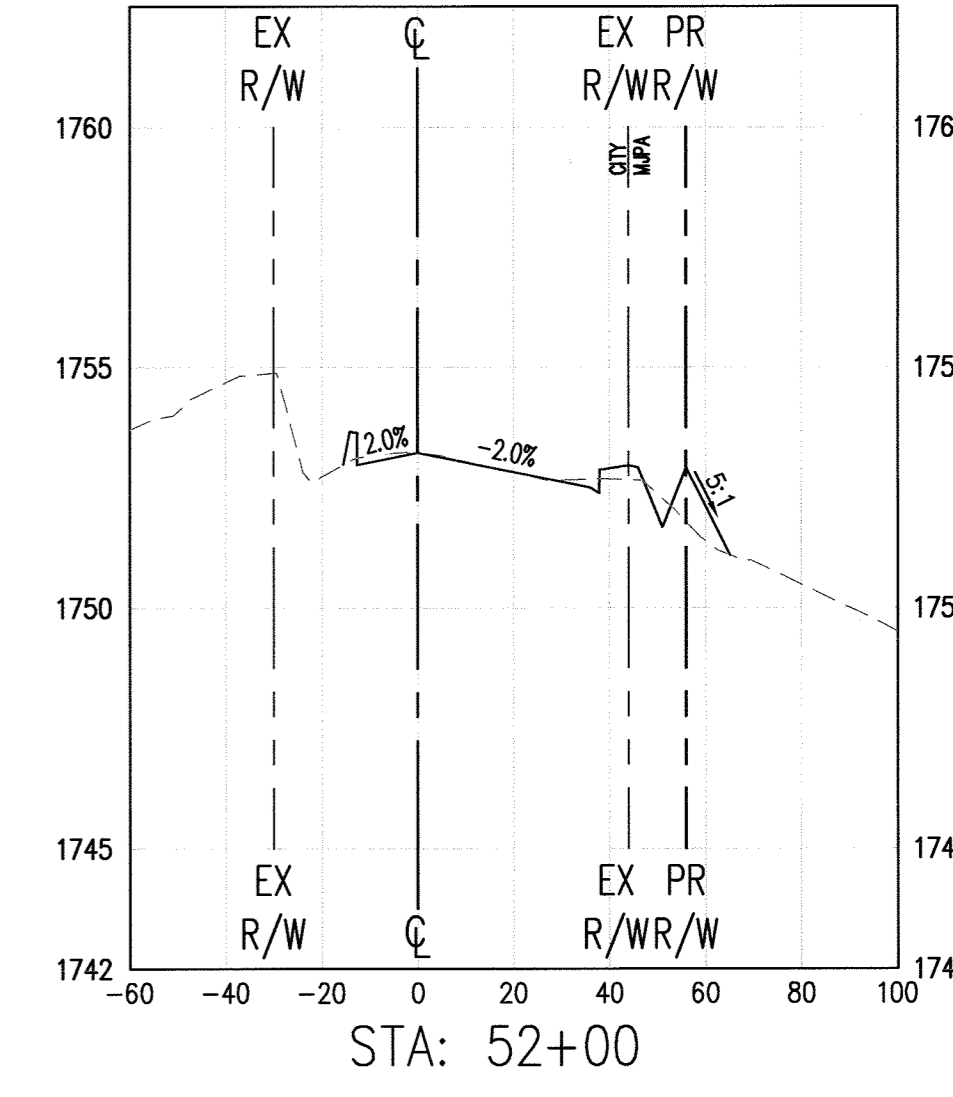
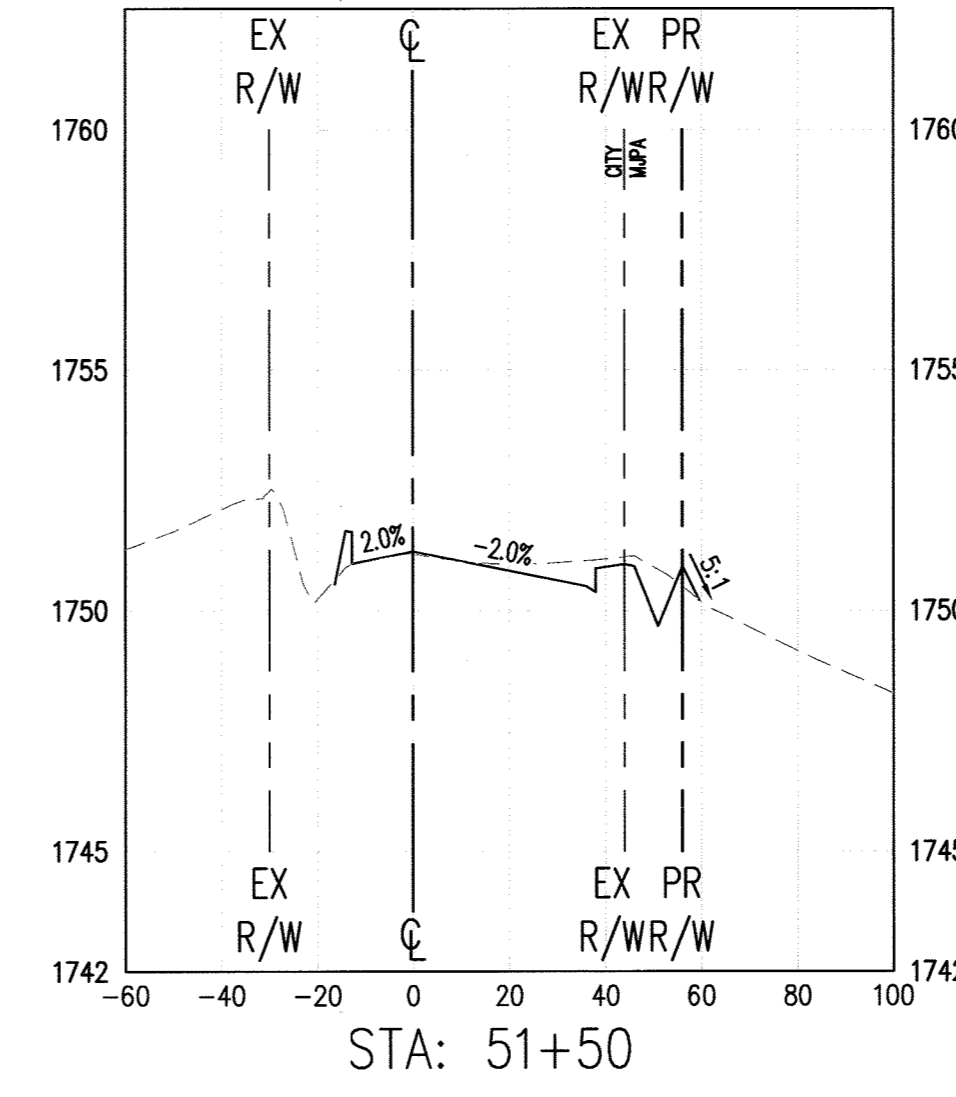
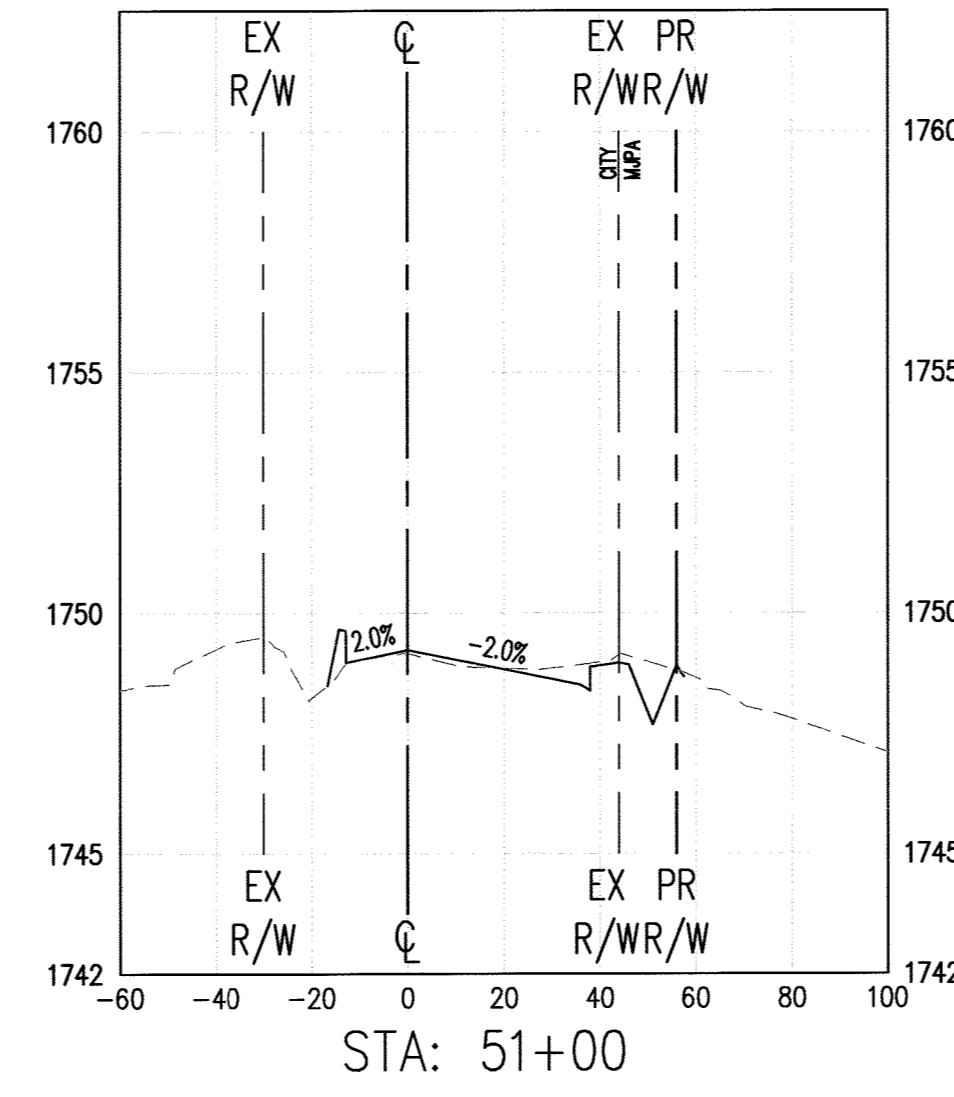
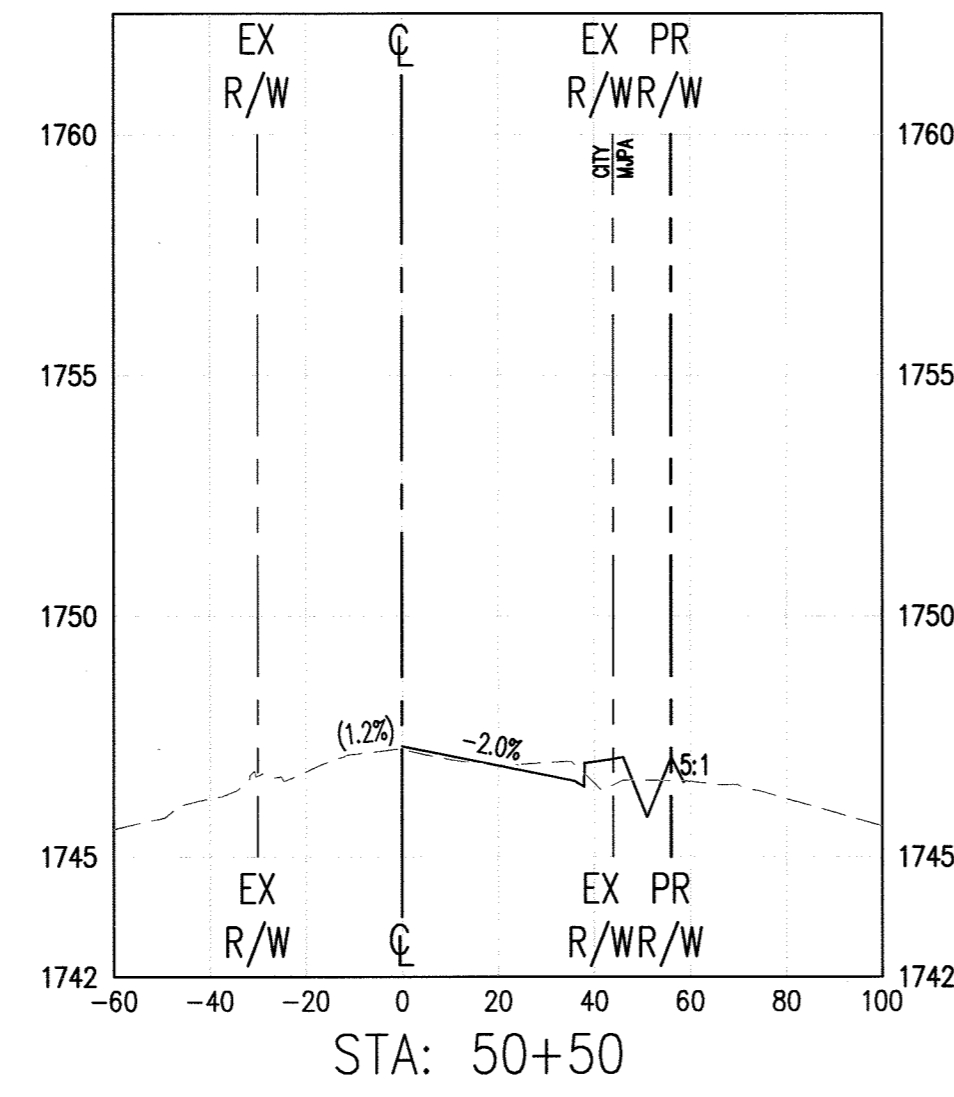
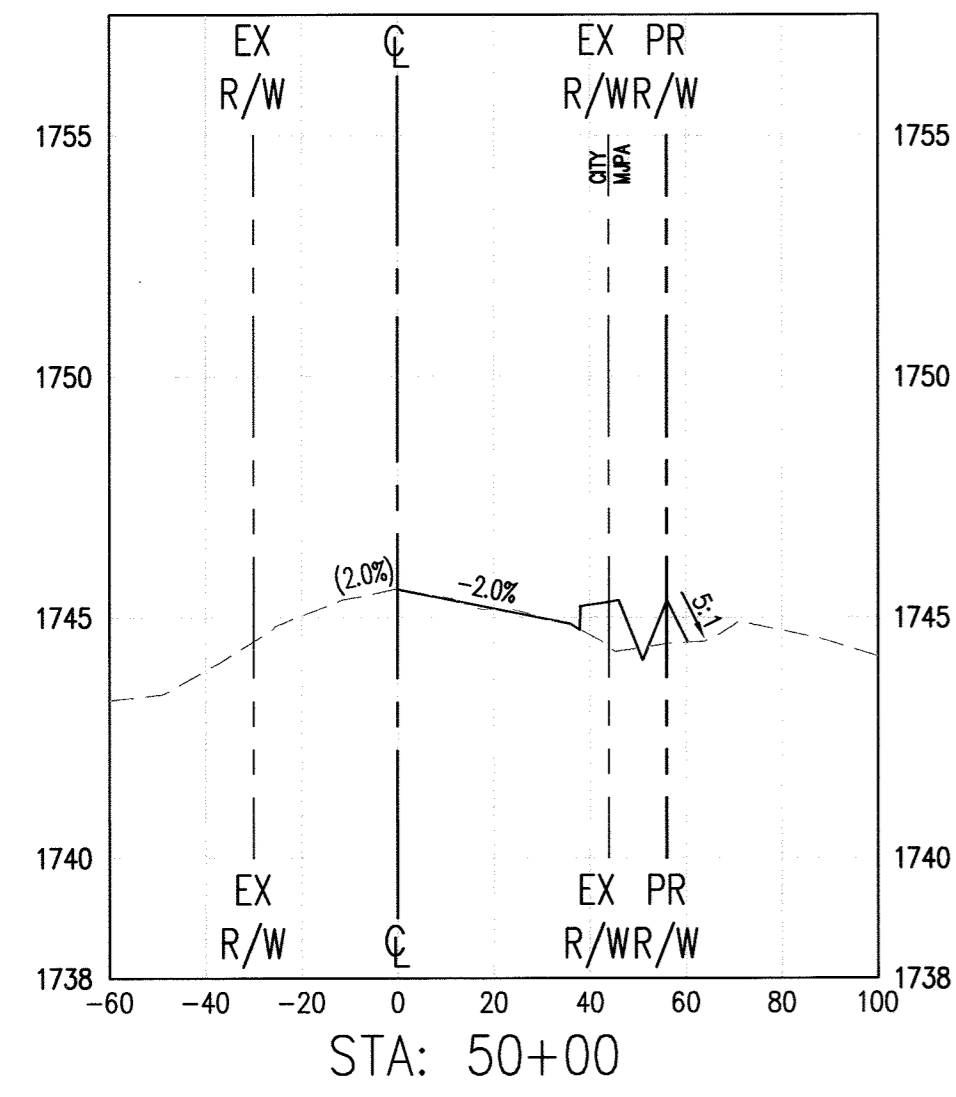
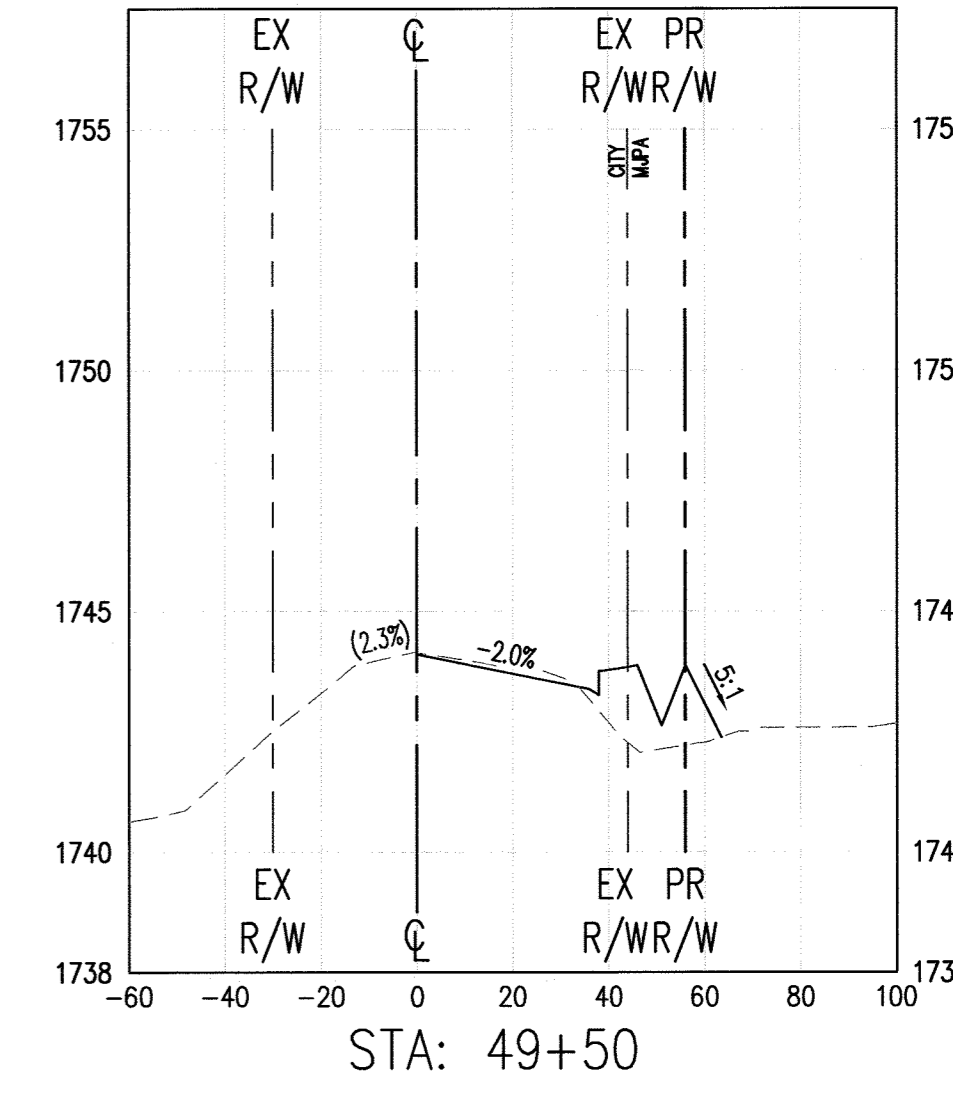
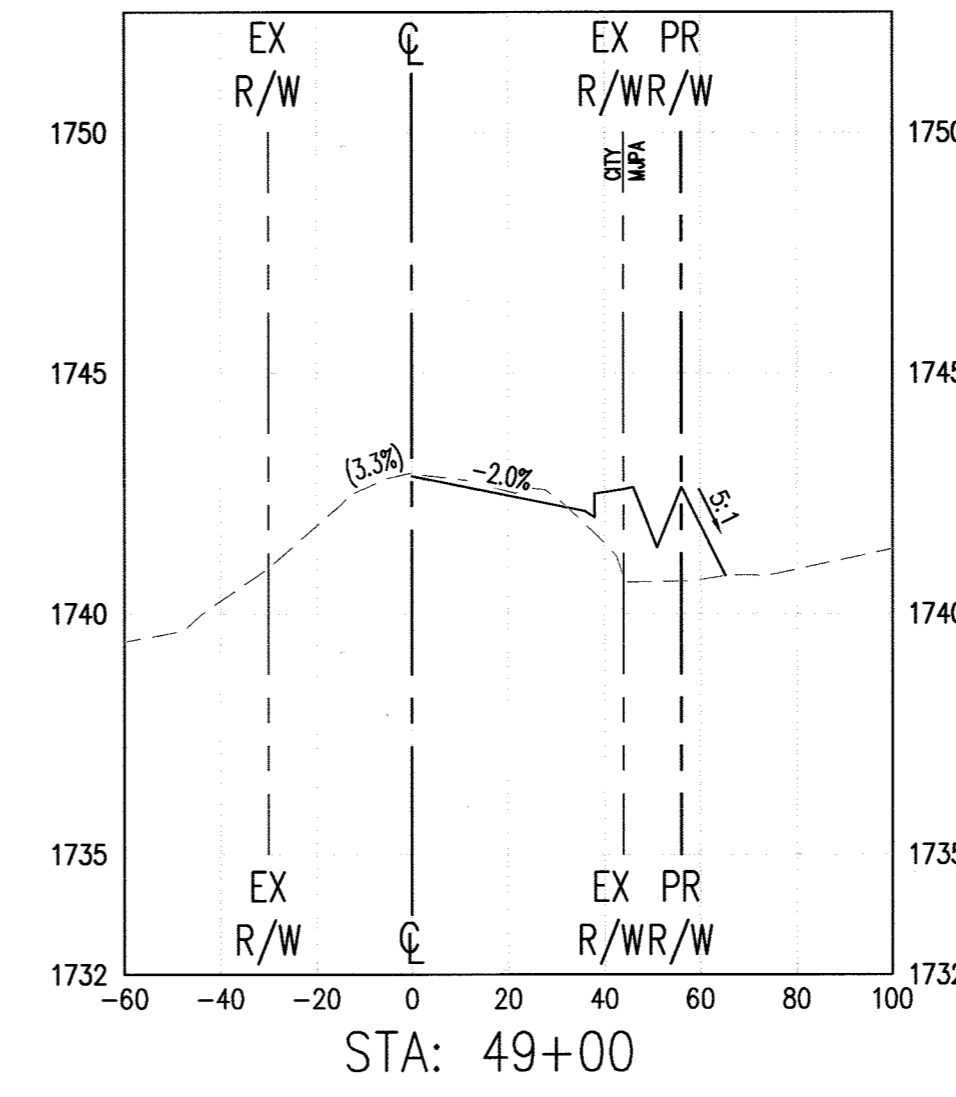
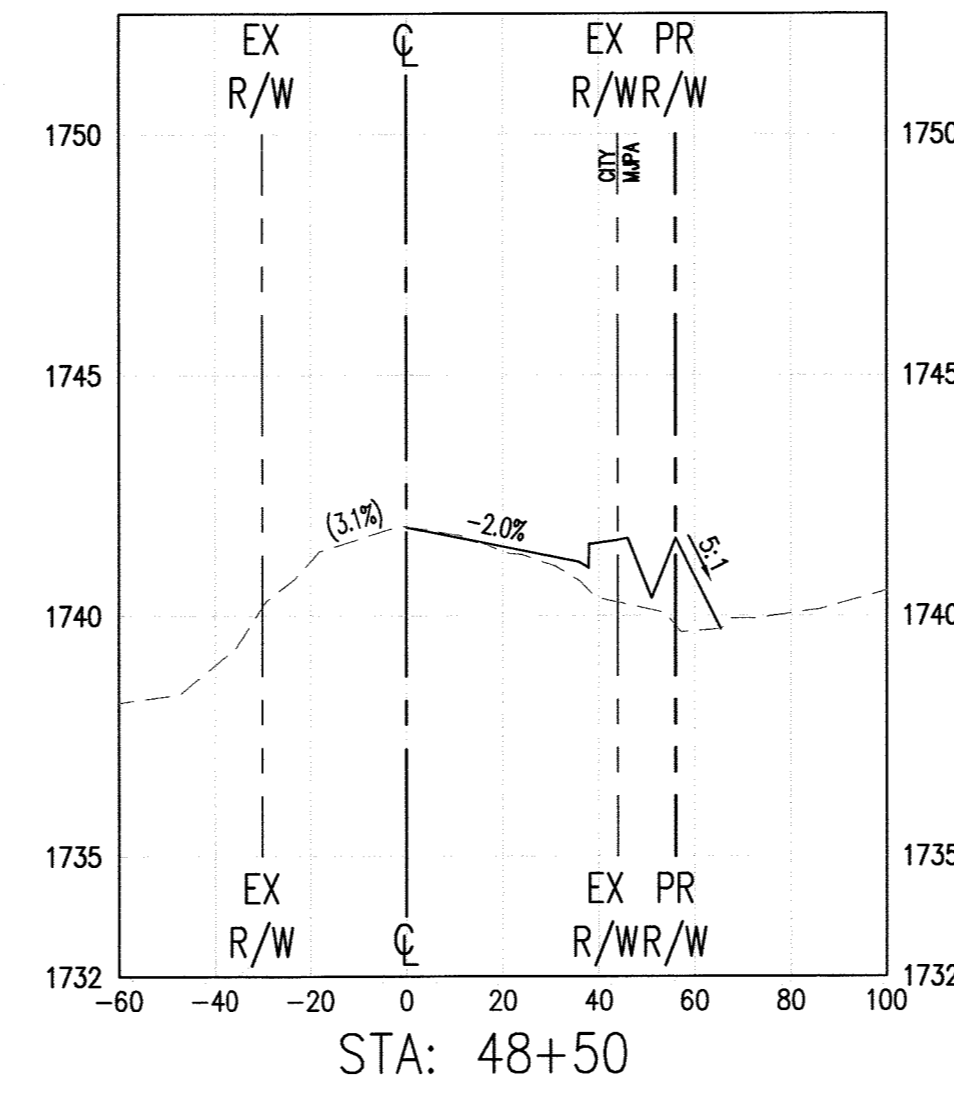
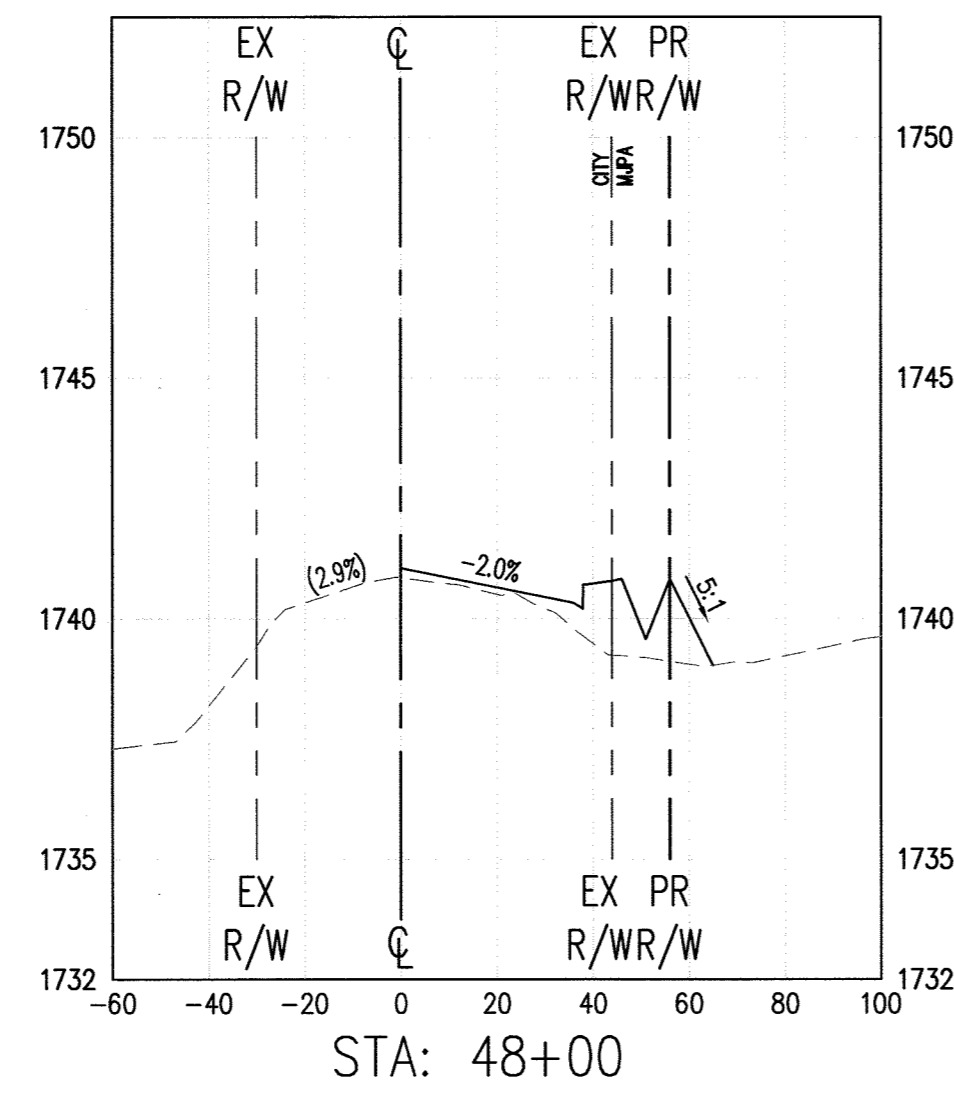
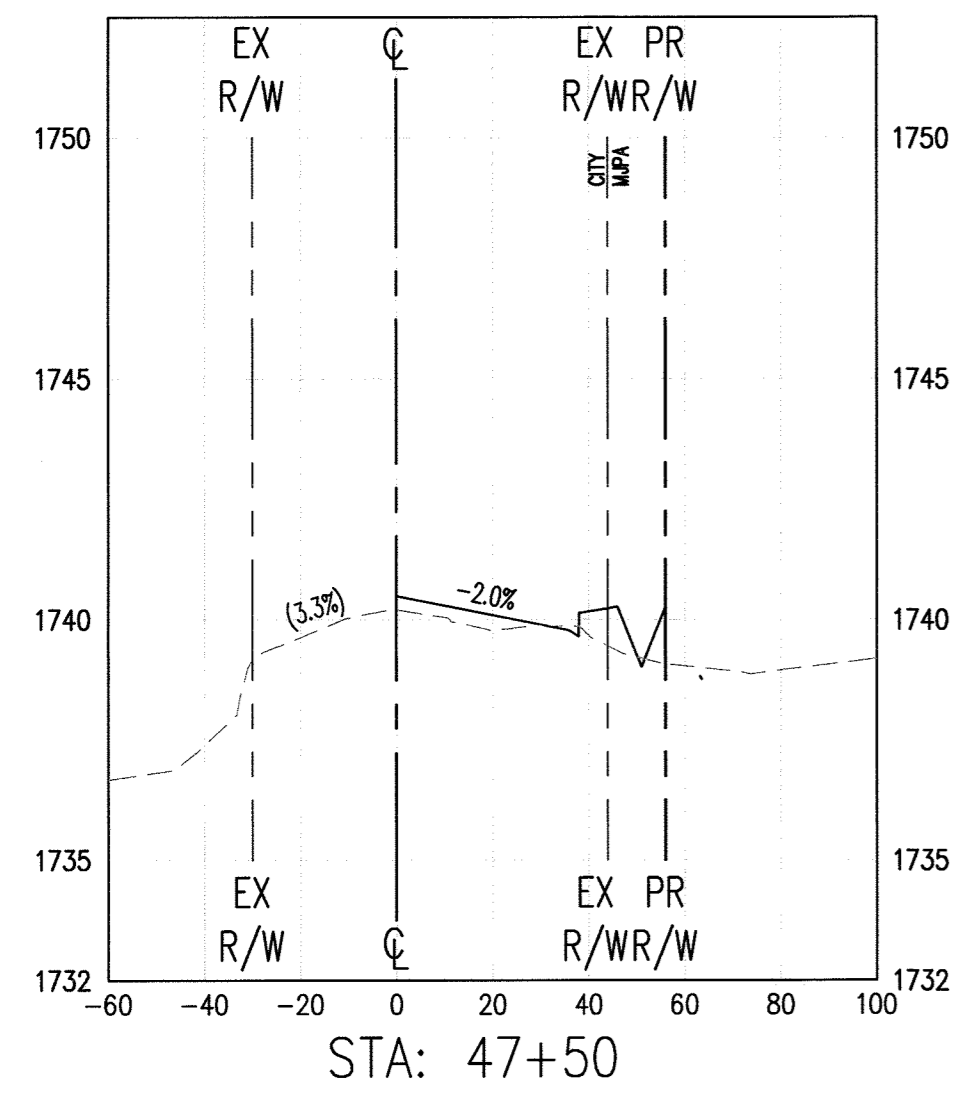
MARK	BY	DATE	REVISIONS	APPR	DATE



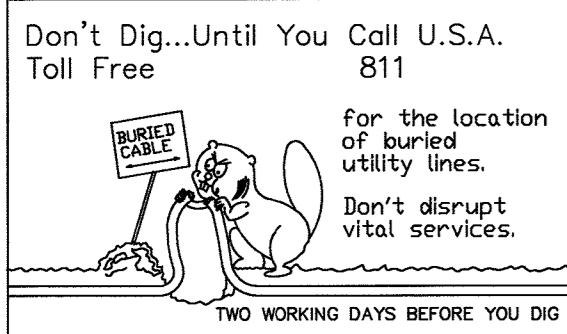
PREPARED BY: **DORC** Engineering, Inc.
 160 S. Old Springs Road Suite 210 Anaheim Hills, CA 92808 714-685-6860
 CIVIL ENGINEERING/LAND SURVEYING/LAND PLANNING
 Christopher McKee R.C.E. 74414 03/09/2018 DATE

CITY OF RIVERSIDE, CALIFORNIA
 PUBLIC WORKS DEPARTMENT
 APPROVED BY: _____ BY: _____ DATE APPROVED BY: _____
 ENGINEERING MANAGER: E.L. 4-11-18
 CONST. CONTRACT ADMIN: J.C. 4/11/18
 STREET SERVICES: _____ CITY ENGINEER
 TRAFFIC DIVISION: _____ DATE: 3/20/18

March 09, 2018 08:26:26am Mt: \2017\17-320 Lewis Meridian Barton Road Improvements\17\Barton\15 - BARTON SECTIONS.dwg

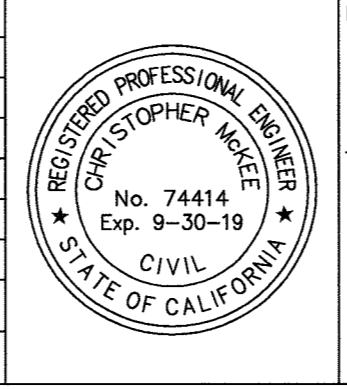


WDID No.: 8 33C382574



BENCH MARK:
A STANDARD U.S.C. & G.S. BRASS DISC STAMPED "Z 1143 1961" IN A CONCRETE POST ALONG THE A.T.S.F. RAILROAD SOUTH OF VAN BUREN BOULEVARD.
RIVERSIDE COUNTY SURVEYORS
POINT ID 600-43-68
DATUM: NGVD29 ADJ. 1971
ELEVATION 1532.70

MARK	BY	DATE	REVISIONS	APPR	DATE



PREPARED BY:
ORC Engineering, Inc.
Civil Engineering/Land Surveying/Land Planning
160 S. Old Springs Road
Suite 210
Anaheim Hills, CA 92808
714-685-6860
03/09/2018
DATE
CHRISTOPHER MCKEE R.C.E. 74414

CITY OF RIVERSIDE, CALIFORNIA
PUBLIC WORKS DEPARTMENT
APPROVED BY: [Signature] DATE: 3/20/18
ENGINEERING MANAGER
CONST. CONTRACT ADMIN
STREET SERVICES
TRAFFIC DIVISION: [Signature] DATE: 3/20/18

ALL WORK WITHIN CITY OF RIVERSIDE REQUIRES THEIR APPROVAL.
CITY OF RIVERSIDE
PUBLIC UTILITIES- ELECTRIC
APPROVED BY: _____ DATE: _____

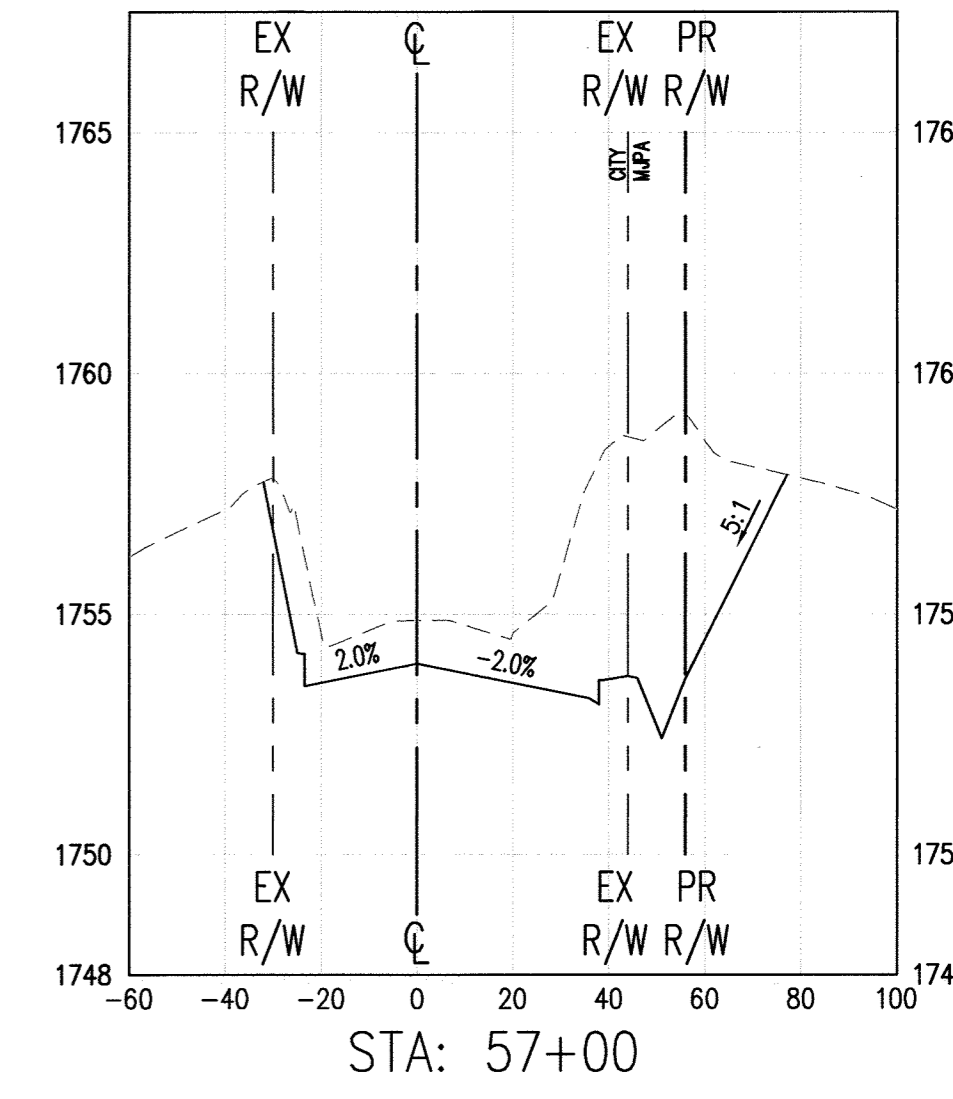
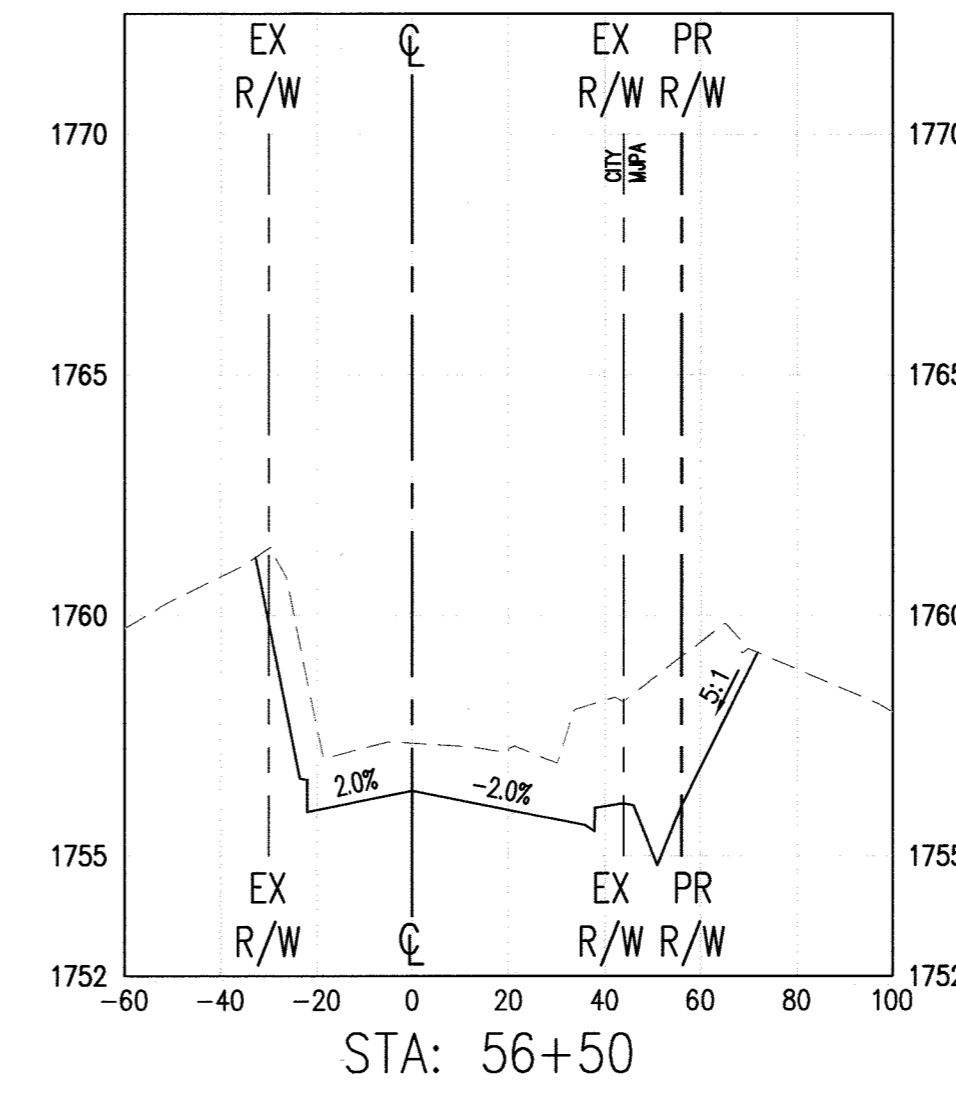
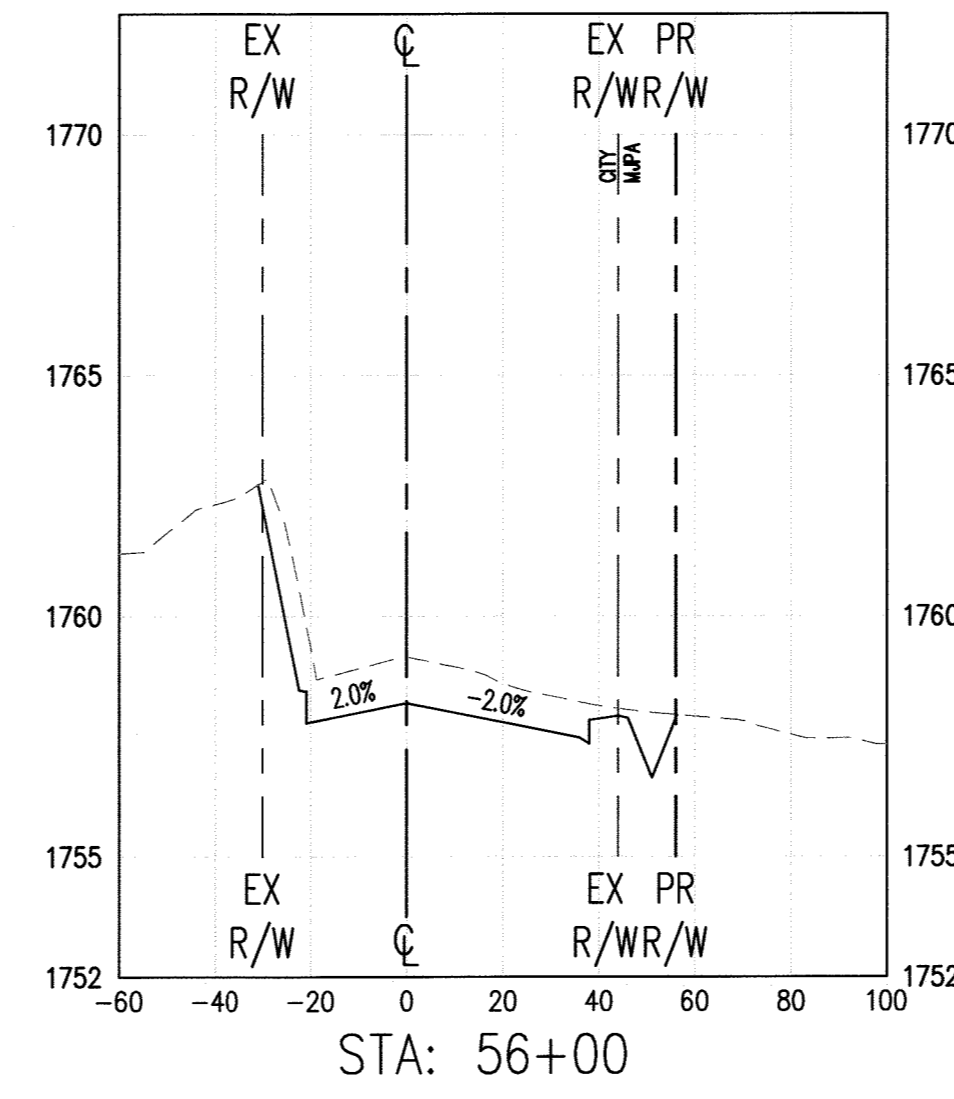
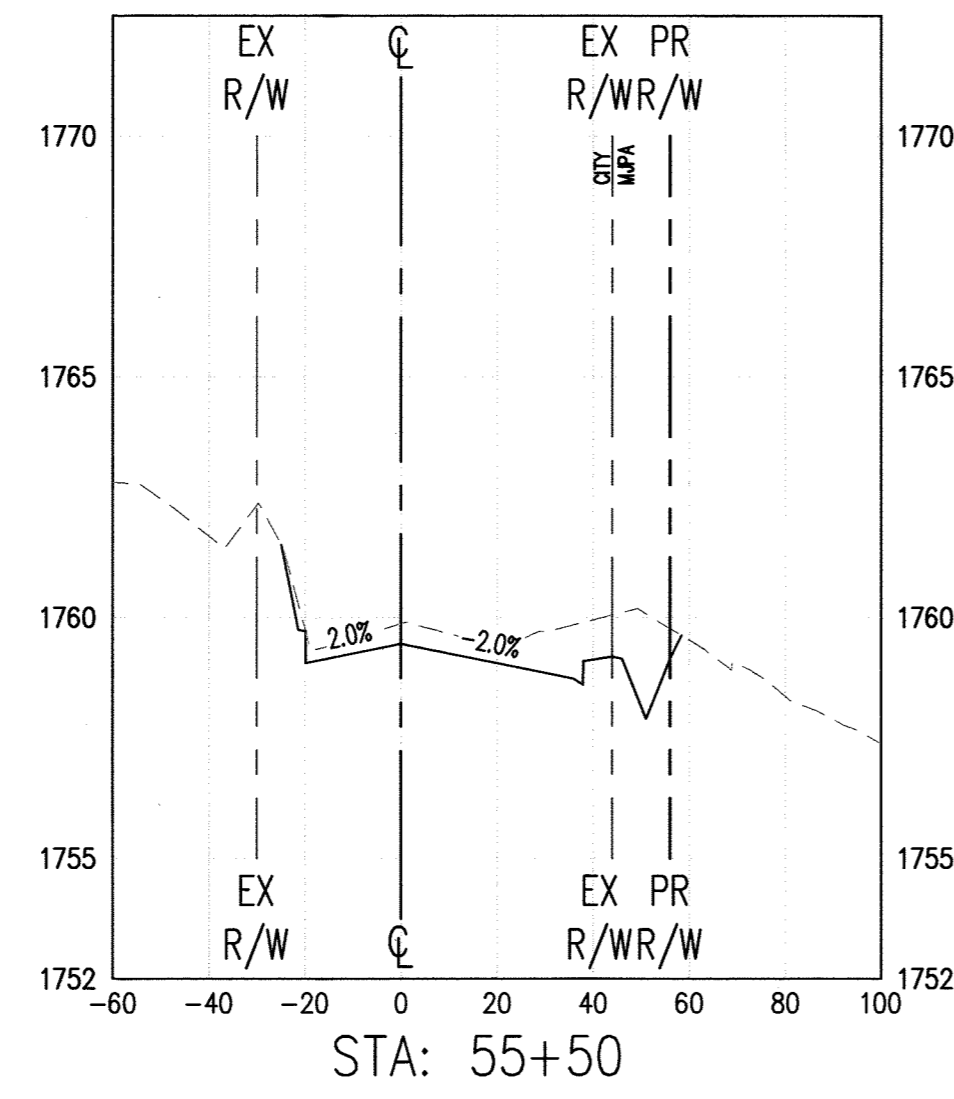
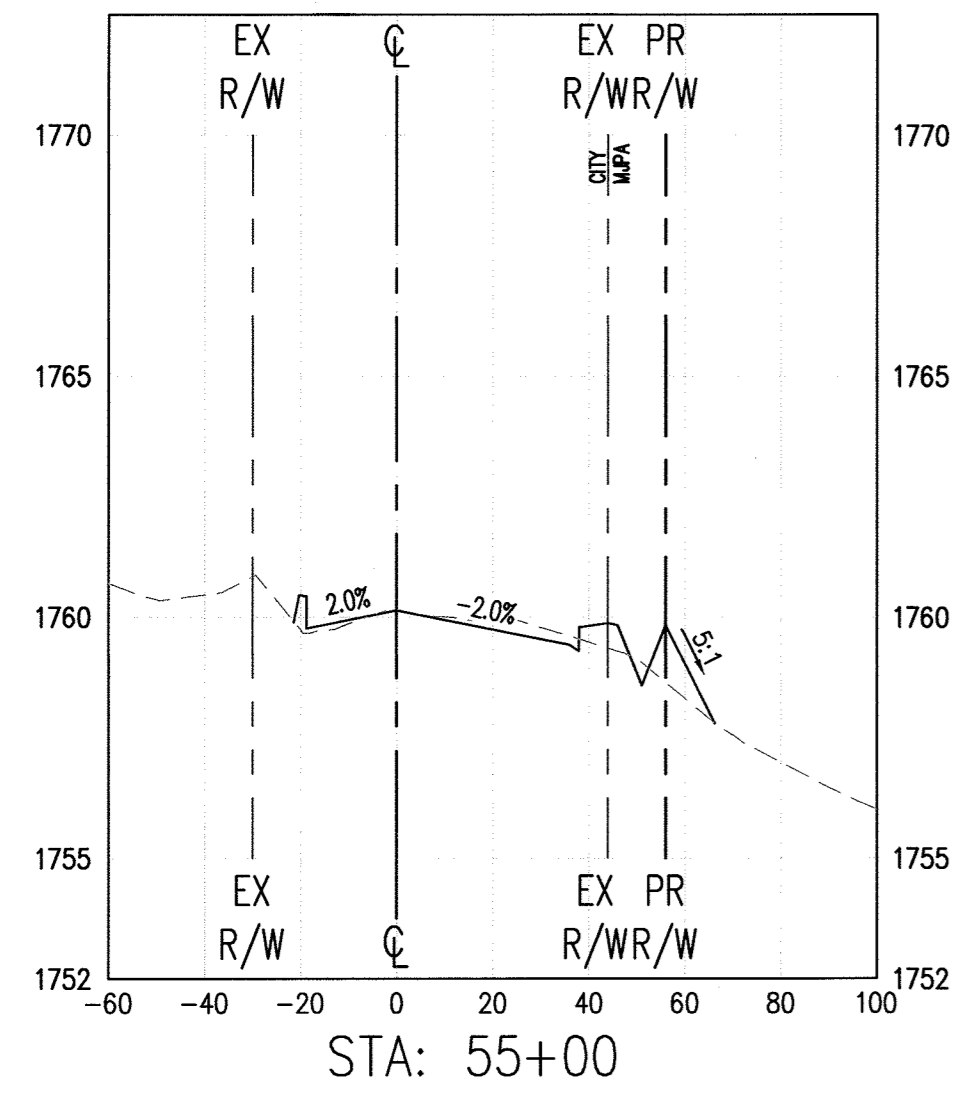
CROSS SECTION SCALES
HORIZONTAL 1"= 40'
VERTICAL 1"= 4'

SHEET NO. 12
OF 16 SHEETS

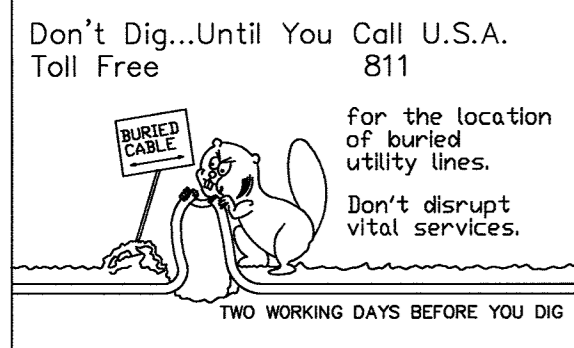
STREET IMPROVEMENT PLANS
MERIDIAN - BARTON ROAD
BARTON ROAD
CROSS SECTIONS

FOR: _____ W.O.: _____ M.A.P. FILE NO.: MJ-085

March 09, 2018 08:30:00am M:\2017\17-320 Lewis Meridian Barton Road Improvements\ST\Barton\5 - BARTON SECTIONS.dwg

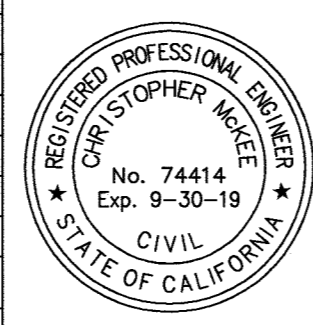


WDID No.: 8 33C382574



BENCH MARK:
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 RIVERSIDE COUNTY SURVEYORS POINT ID 600-43-68
 DATUM: NGVD29 ADJ. 1971 ELEVATION 1532.70

MARK	BY	DATE	REVISIONS	APPR	DATE



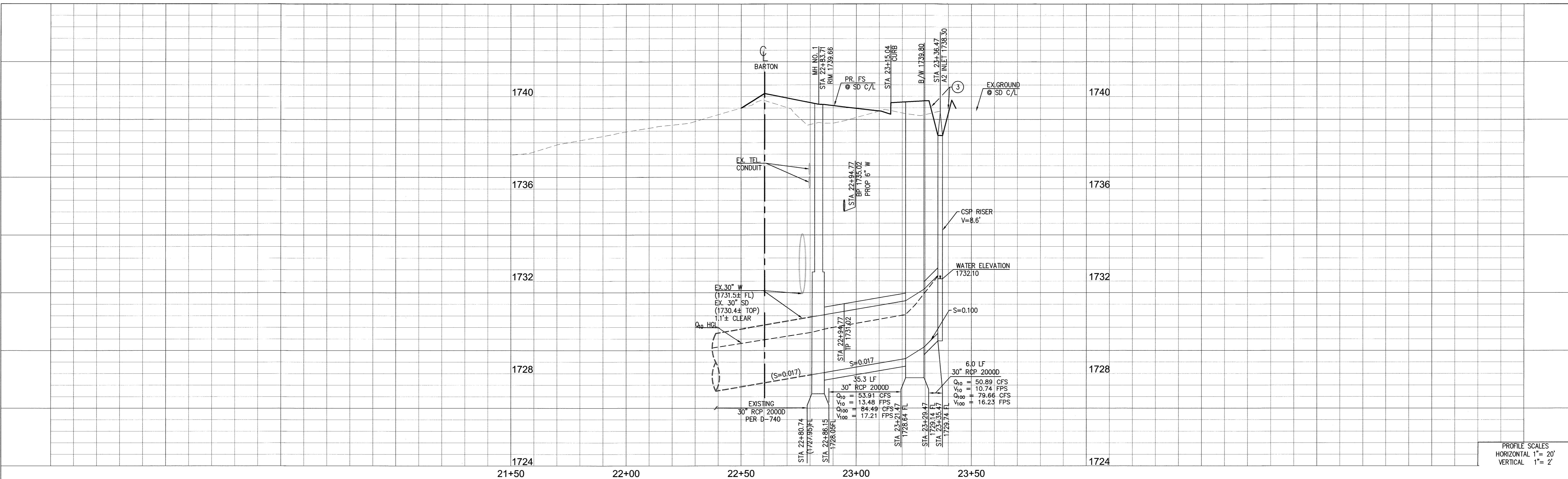
PREPARED BY:
ORC Engineering, Inc.
 160 S. Old Springs Road Suite 210
 Anaheim Hills, CA 92808
 714-685-6860
 Christopher McKee R.C.E. 74414
 03/09/2018 DATE

CITY OF RIVERSIDE, CALIFORNIA
 PUBLIC WORKS DEPARTMENT
 APPROVED BY: BY DATE APPROVED BY
 ENGINEERING MANAGER *E.L. 4/11/18*
 CONST. CONTRACT ADMIN *DC 4/11/18*
 STREET SERVICES *[Signature]* CITY ENGINEER
 TRAFFIC DIVISION *[Signature]* DATE *3/22/18*

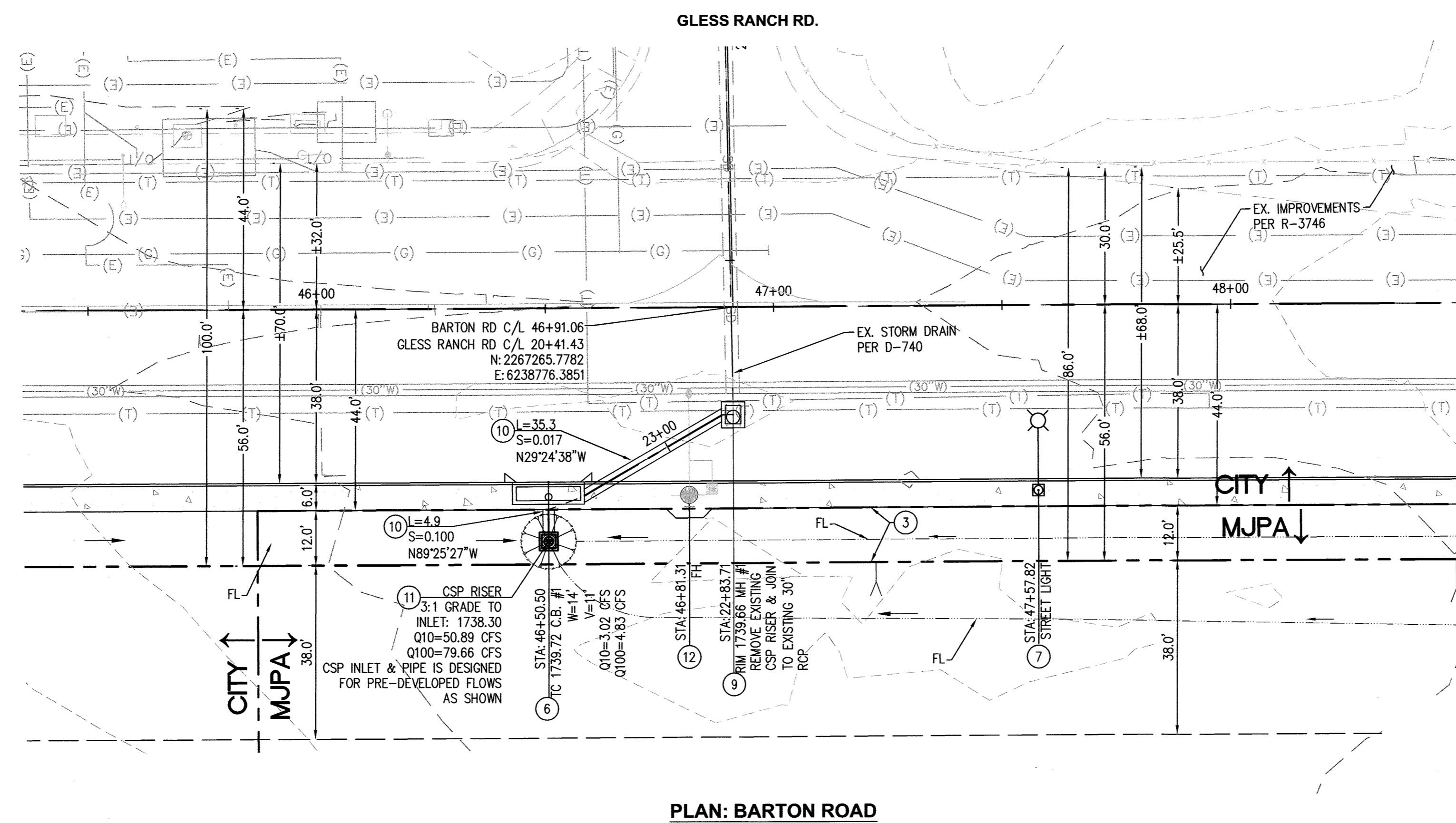
ALL WORK WITHIN CITY OF RIVERSIDE REQUIRES THEIR APPROVAL.
 CITY OF RIVERSIDE
 PUBLIC UTILITIES-ELECTRIC
 APPROVED BY _____ DATE _____

CROSS SECTION SCALES
 HORIZONTAL 1"= 40'
 VERTICAL 1"= 4'

CITY OF RIVERSIDE
 PW17-0475
 R-4419
 SHEET NO. 13
 OF 16 SHTS
 STREET IMPROVEMENT PLANS
 MERIDIAN - BARTON ROAD
 BARTON ROAD
 CROSS SECTIONS
 FOR: _____ W.O.: _____ M/JA FILE NO.: MJ-085



PROFILE SCALES
HORIZONTAL 1" = 20'
VERTICAL 1" = 2'



- CONSTRUCTION NOTES**
- CONSTRUCT VEGETATED PARKWAY SWALE PER DETAIL ON SHEET 2
 - CONSTRUCT CATCH BASIN PER CITY OF RIVERSIDE STANDARD DRAWING 405. REFER TO SHEET 15.
 - INSTALL STREET LIGHT PER SEPARATE PLANS
 - CONSTRUCT MANHOLE E2 PER CITY OF RIVERSIDE STANDARD DRAWING NO 4.31 SEE SHEET 16
 - CONSTRUCT 30" RCP STORM DRAIN 20000
 - CONSTRUCT CSP RISER PER PER DETAIL ON SH-15. CONNECT TO CURB INLET 30" RCP 1% MIN. SLOPE.
 - RELOCATE EXISTING WATER FACILITIES PER SEPARATE WESTERN MUNICIPAL WATER DISTRICT PLANS.

- NOTES:**
- EXISTING STORM DRAINAGE FACILITY TO CONNECT SHALL BE CLEANED AND MADE FUNCTIONAL. VIDEO OF STORM DRAINAGE SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW AND APPROVAL PRIOR TO FINAL PAVEMENT CAPPING.
 - STRIPING SHOWN HEREON FOR REFERENCE. SEE SEPARATE TRAFFIC SIGNAL AND STRIPING PLANS

ALL WORK WITHIN CITY OF RIVERSIDE REQUIRES THEIR APPROVAL.

CITY OF RIVERSIDE
PUBLIC UTILITIES - ELECTRIC

APPROVED BY: _____ DATE: _____

GRAPHIC SCALE IN FEET
0 10 20 40

CITY OF RIVERSIDE
PW17-0475
R-4419
SHEET NO. 14
OF 16 SHTS

Don't Dig...Until You Call U.S.A. Toll Free 811

For the location of buried utility lines. Don't disrupt vital services.

TWO WORKING DAYS BEFORE YOU DIG

BENCH MARK:
A STANDARD U.S.C. & G.S. BRASS DISC STAMPED "Z 1143 1961" IN A CONCRETE POST ALONG THE A.T.S.F. RAILROAD SOUTH OF VAN BUREN BOULEVARD.

RIVERSIDE COUNTY SURVEYORS
POINT ID 600-43-68

DATUM: NGVD29 ADJ. 1971
ELEVATION 1532.70

MARK	BY	DATE	REVISIONS	APPR	DATE

ENGINEER: _____ M.J.P.A.

PREPARED BY:

ORC Engineering, Inc.
Civil Engineering/Land Surveying/Land Planning
No. 74414
Exp. 9-30-19
CIVIL

160 S. Old Springs Road
Suite 210
Anaheim Hills, CA 92808
714-685-6860

03/09/2018
DATE

CHRISTOPHER MCKEE R.C.E. 74414

CITY OF RIVERSIDE, CALIFORNIA
PUBLIC WORKS DEPARTMENT

APPROVED BY: _____ BY DATE: _____
ENGINEERING MANAGER: E.L. 4-11-18
CONST. CONTRACT ADMIN: DC 4-11-18
STREET SERVICES: _____

TRAFFIC DIVISION: _____ DATE: 3/20/18

REVIEWED BY:

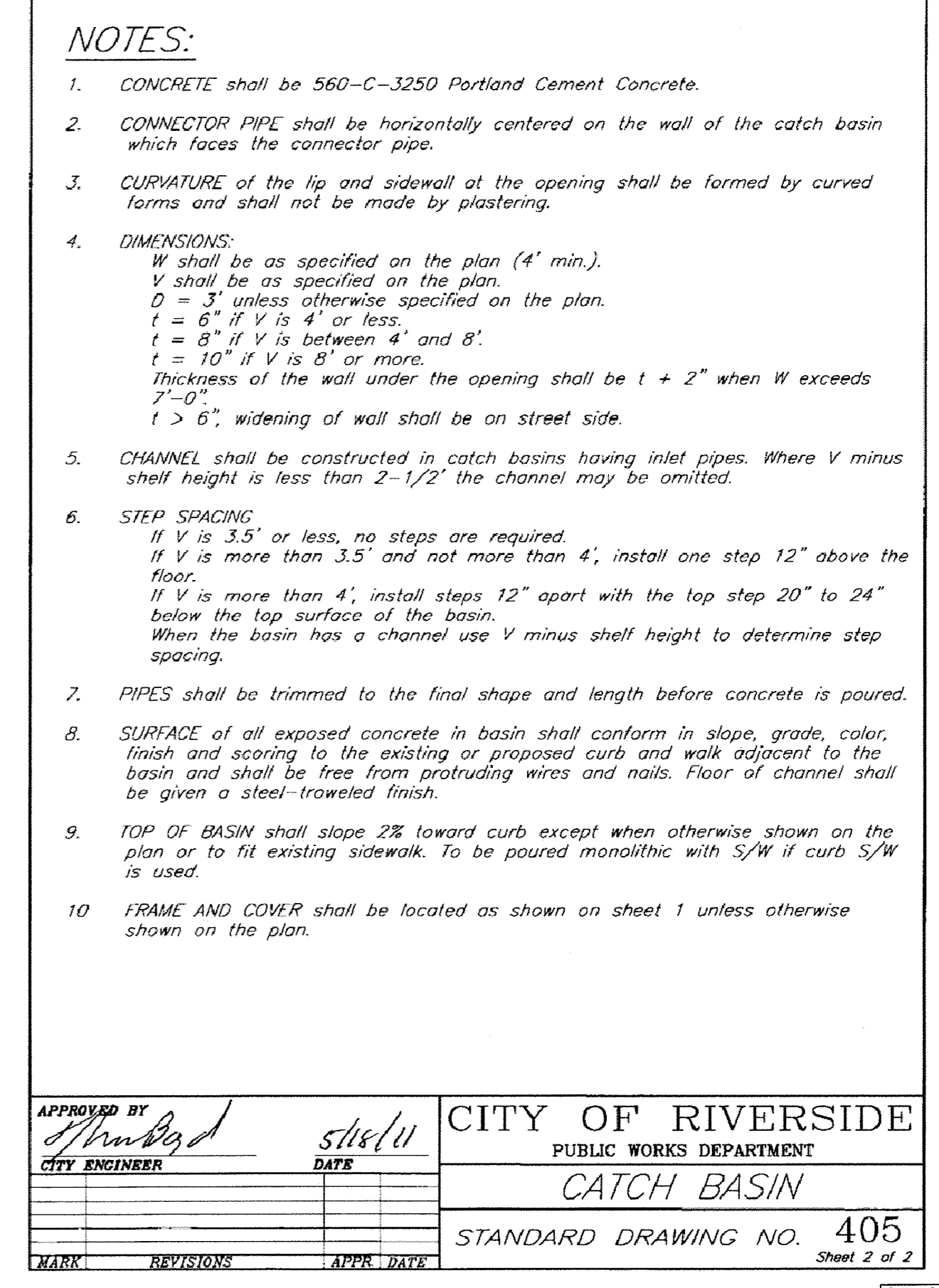
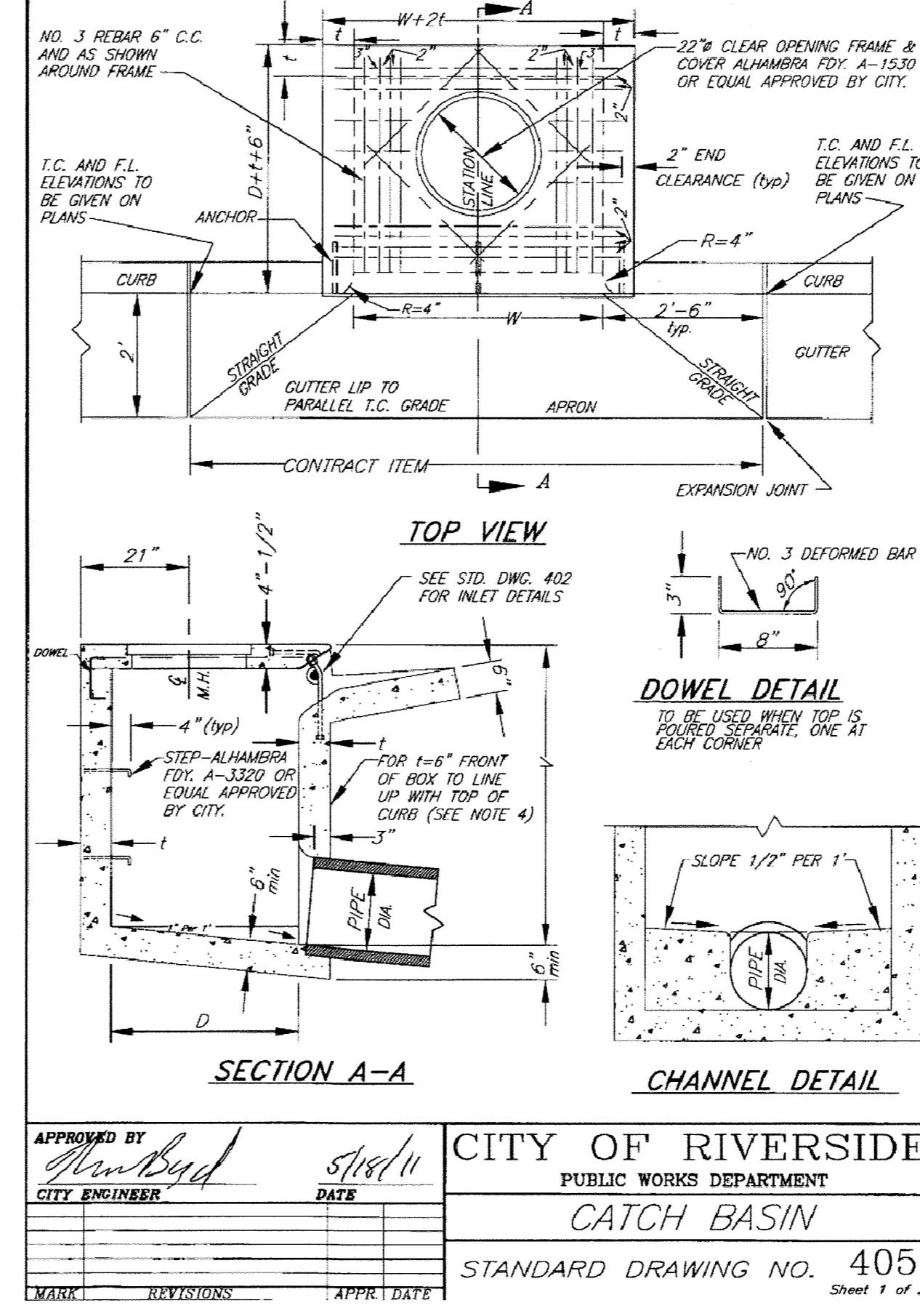
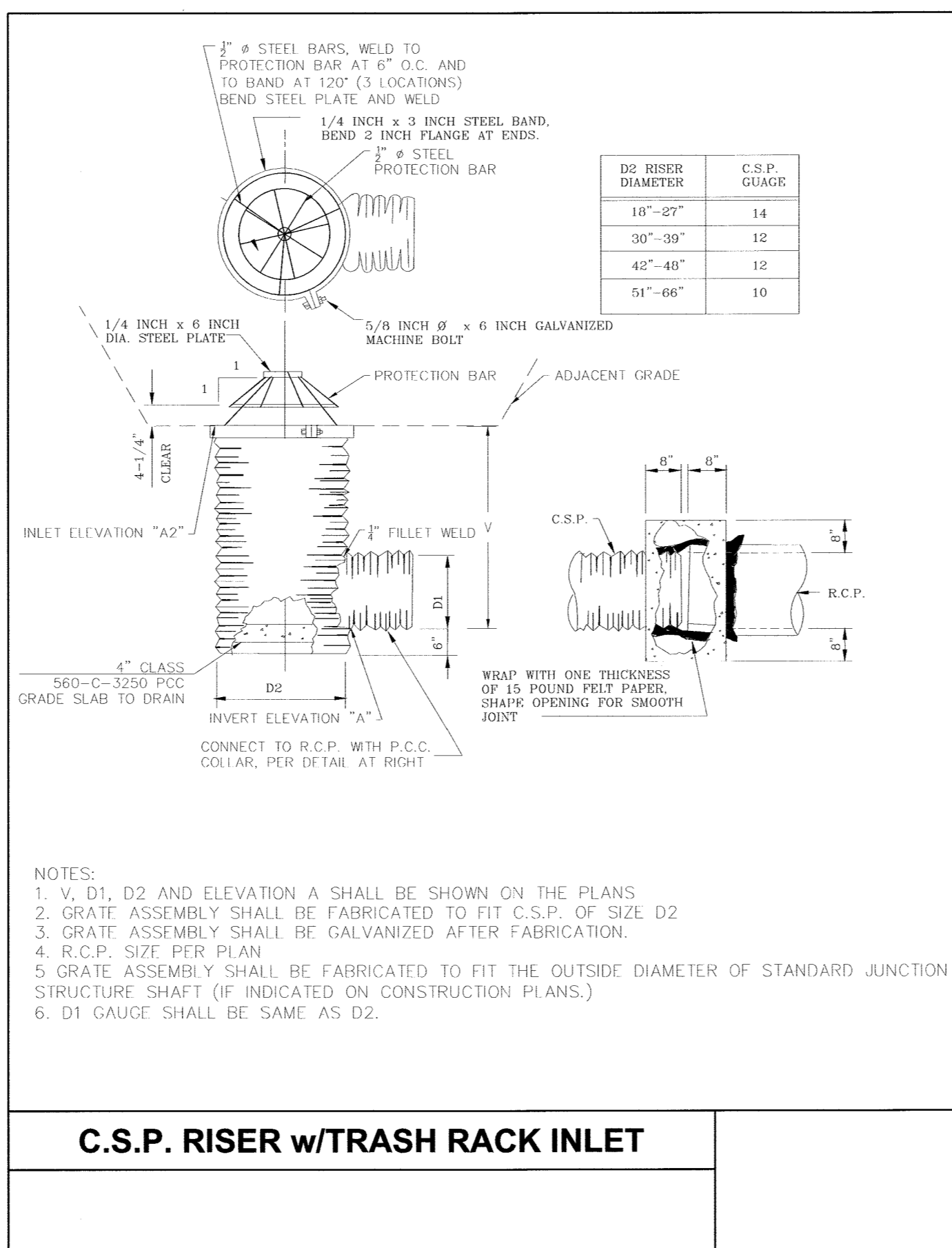
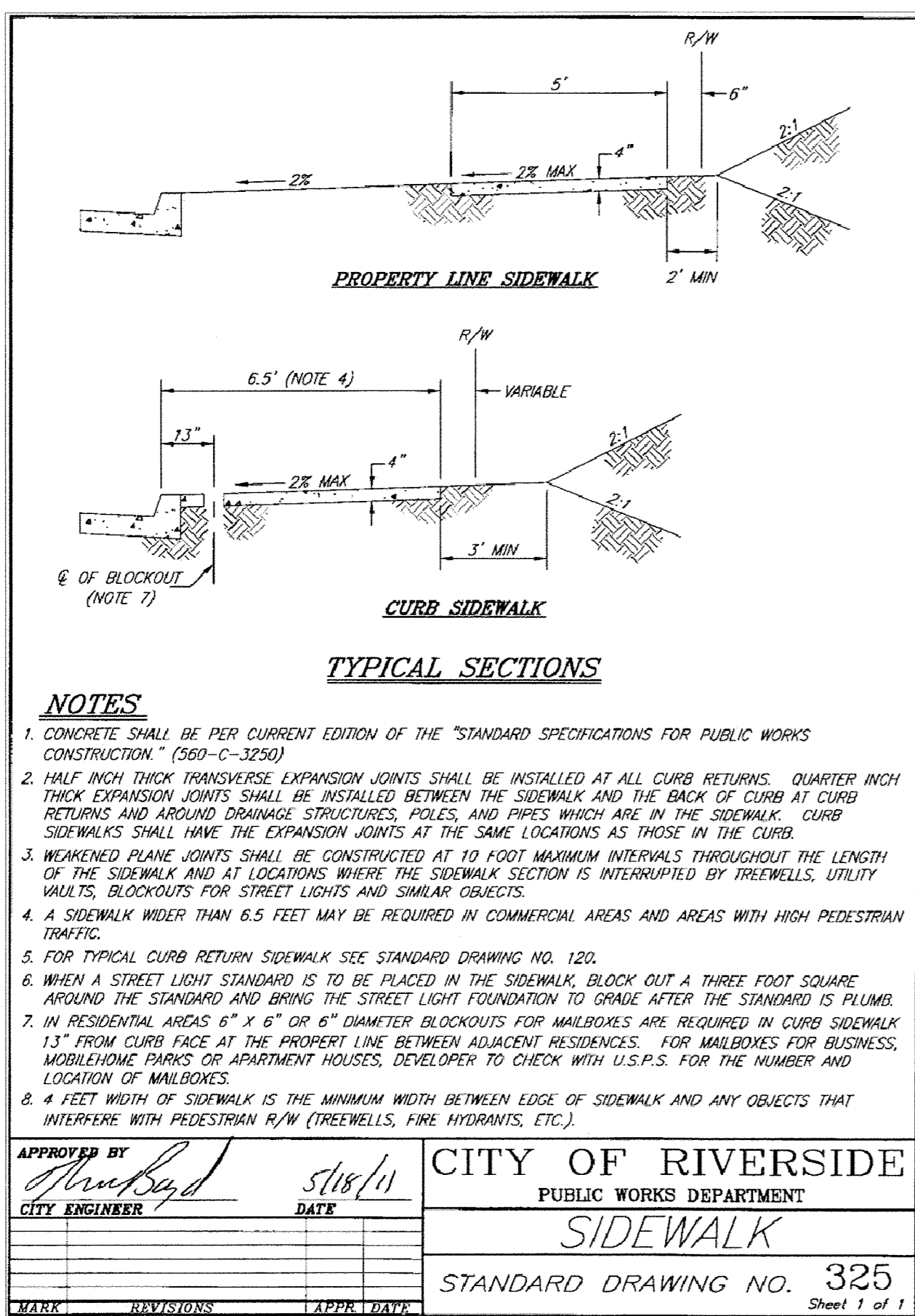
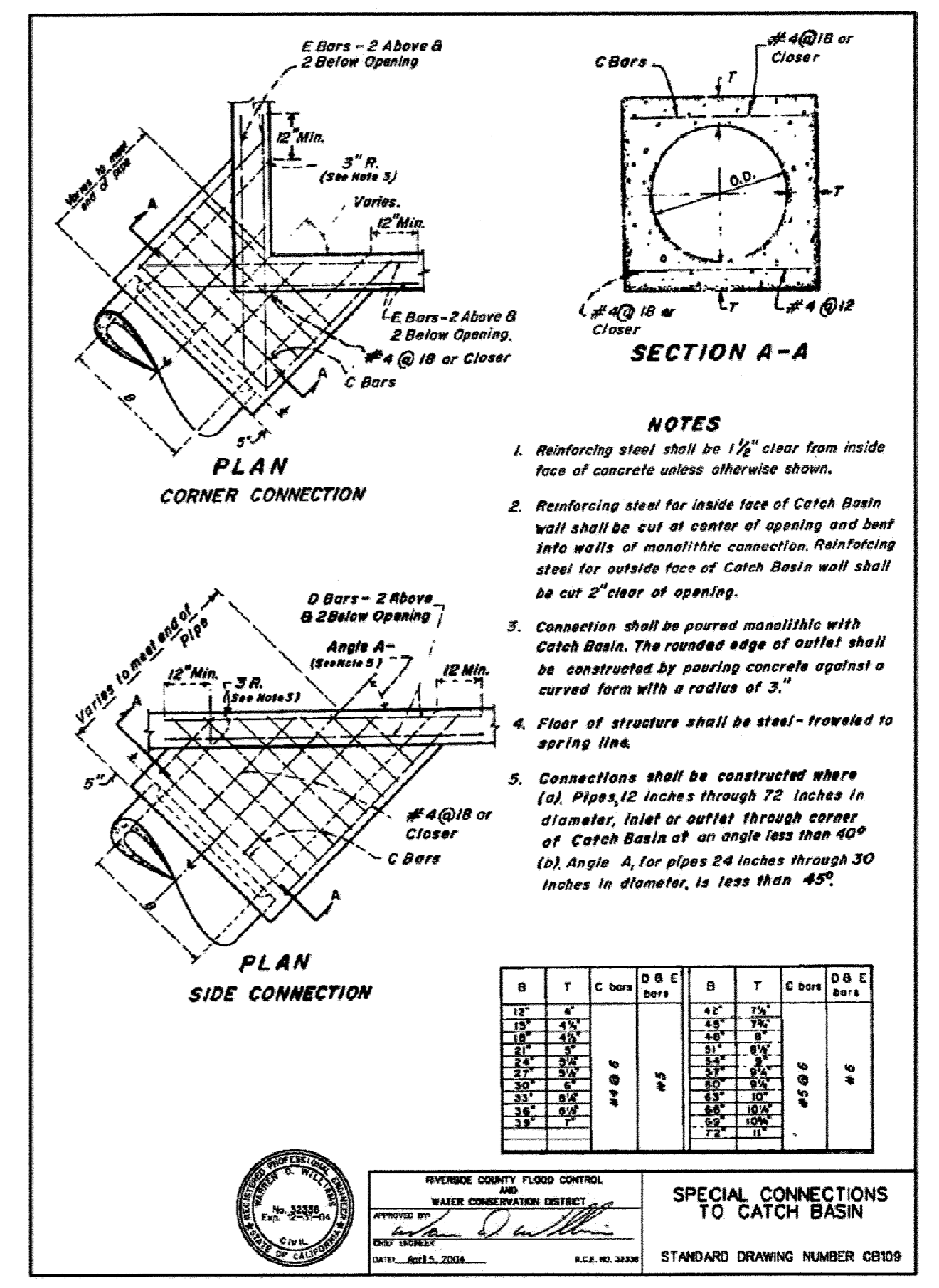
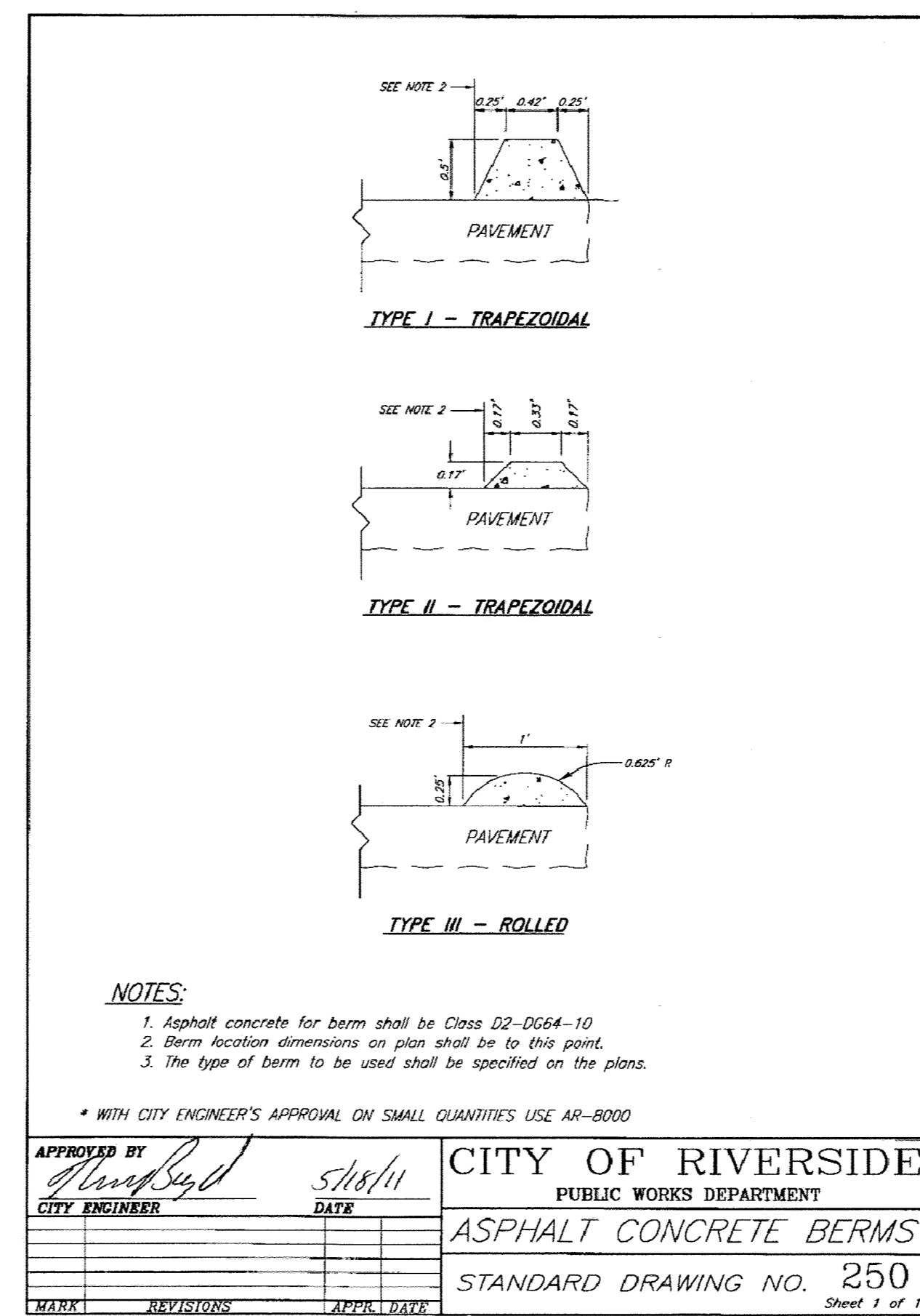
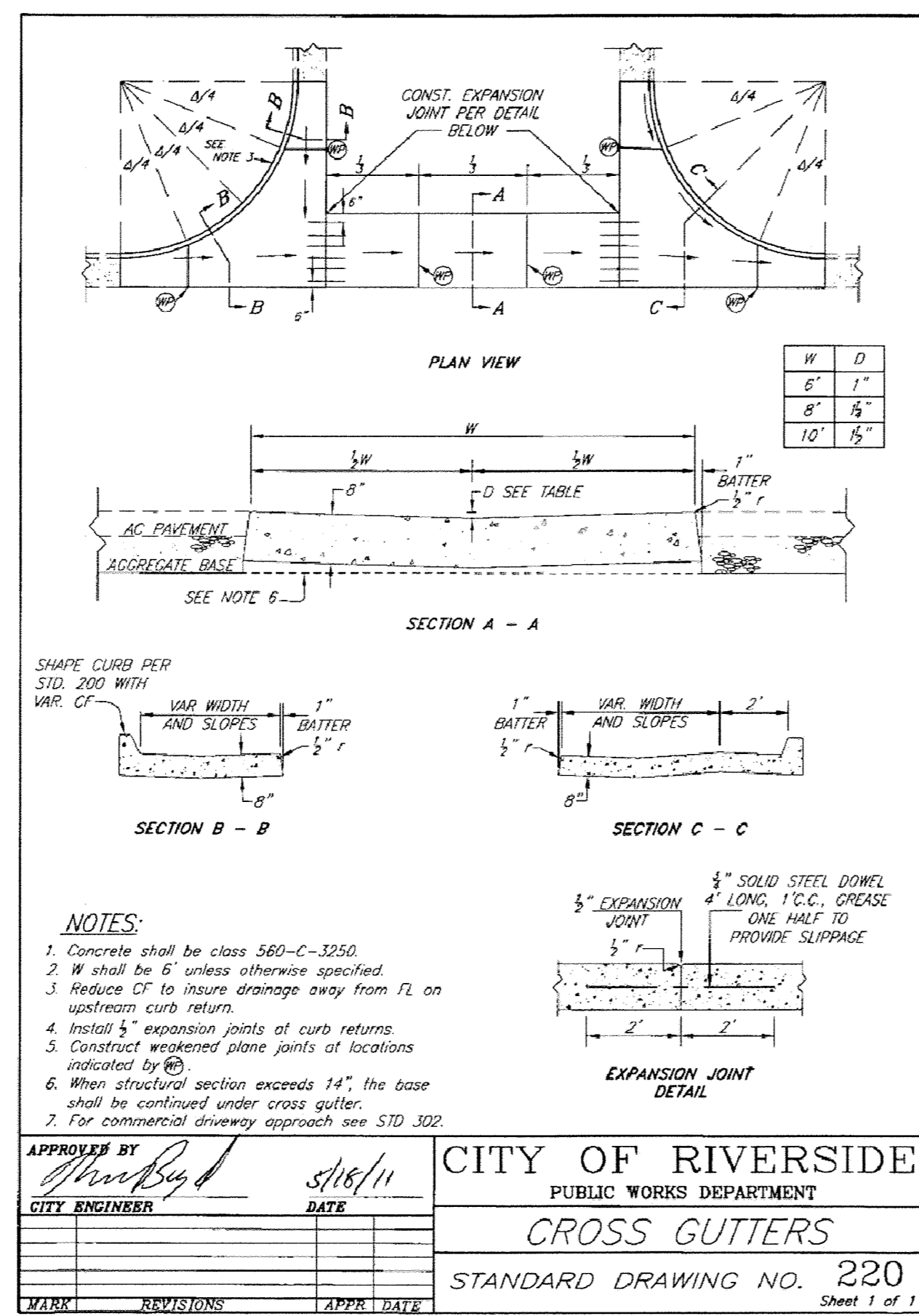
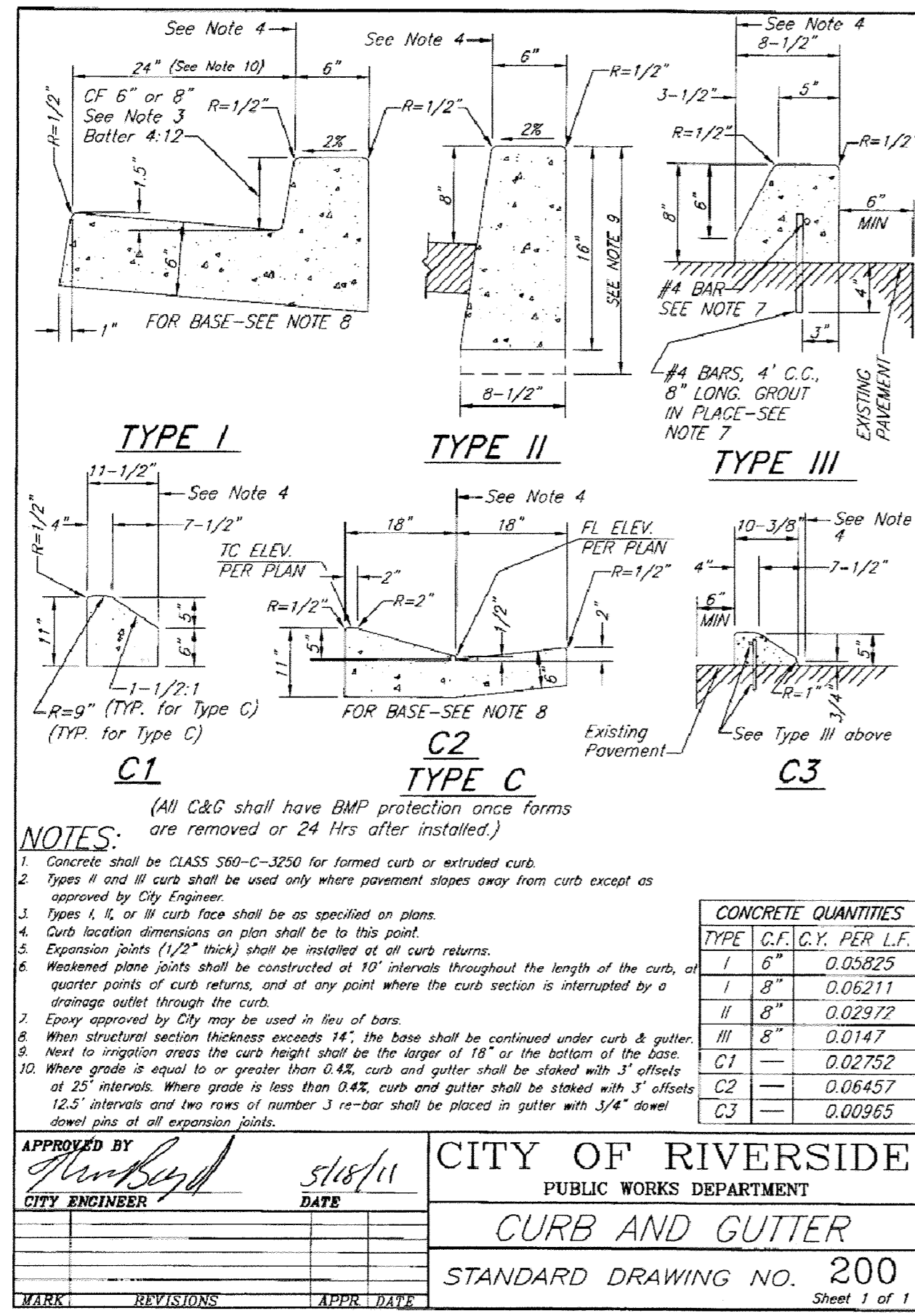
WESTERN MUNICIPAL WATER DISTRICT

FOR NON-INTERFERENCE COMPLIANCE
SHEETS 3 THROUGH 8, 14

DEREK KAWAI, DIRECTOR OF ENGINEERING 3/19/2018
DATE

FOR: _____ W.O.: _____ M.J.P.A. FILE NO.: MJ-085

March 09, 2018 03:31:15pm M:\2017\17-320 Lewis Meridian Barton Road Improvements\ST\Barton\6 - BARTON SD P&P.dwg



Don't Dig...Until You Call U.S.A. 811 Toll Free

For the location of buried utility lines. Don't disrupt vital services.

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RIVERSIDE COUNTY SURVEYORS
 POINT ID 600-43-68

DATUM: NGVD29 ADJ. 1971
 ELEVATION 1532.70

MARK	BY	DATE	REVISIONS	APPR	DATE

CITY OF RIVERSIDE
 PUBLIC WORKS DEPARTMENT
SIDEWALK
 STANDARD DRAWING NO. 325
 Sheet 1 of 1

C.S.P. RISER w/TRASH RACK INLET

CITY OF RIVERSIDE
 PUBLIC WORKS DEPARTMENT
CATCH BASIN
 STANDARD DRAWING NO. 405
 Sheet 2 of 2

PREPARED BY: **ORC Engineering, Inc.**
 Civil Engineering/Land Surveying/Land Planning
 160 S. Old Springs Road Suite 210
 Anaheim Hills, CA 92808
 714-685-6860

APPROVED BY: **CHRISTOPHER MCKEE** R.C.E. 74414
 DATE: **03/09/2018**

APPROVED BY: **Walter S. ...**
 CITY ENGINEER
 DATE: **3/22/18**

CITY OF RIVERSIDE
 PUBLIC WORKS DEPARTMENT
CATCH BASIN
 STANDARD DRAWING NO. 405
 Sheet 2 of 2

WDID No.: 8 33C382574

APPROVED BY: **Walter S. ...**
 CITY ENGINEER
 DATE: **3/22/18**

APPROVED BY: **Walter S. ...**
 CONST. CONTRACT ADMIN
 DATE: **3/22/18**

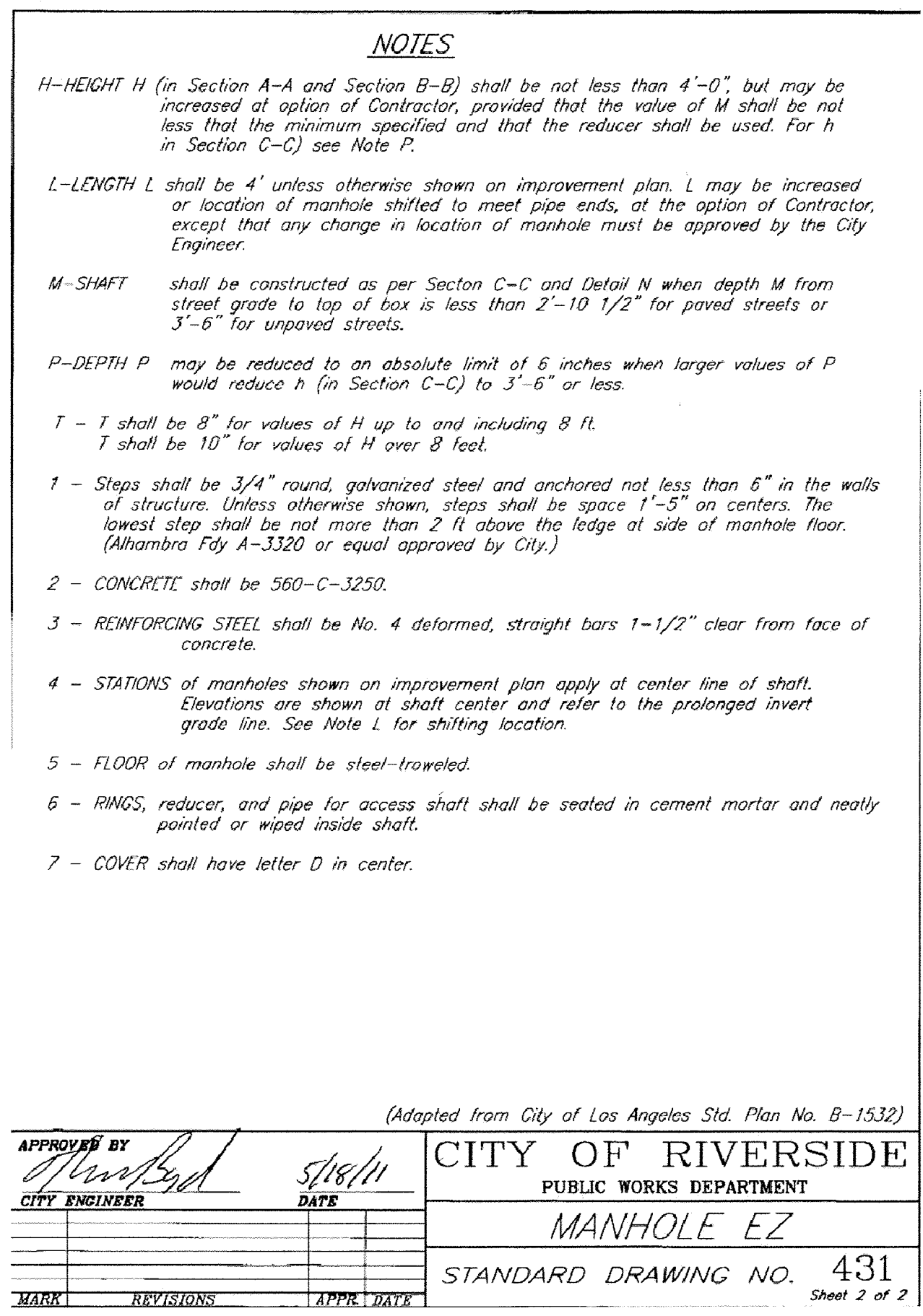
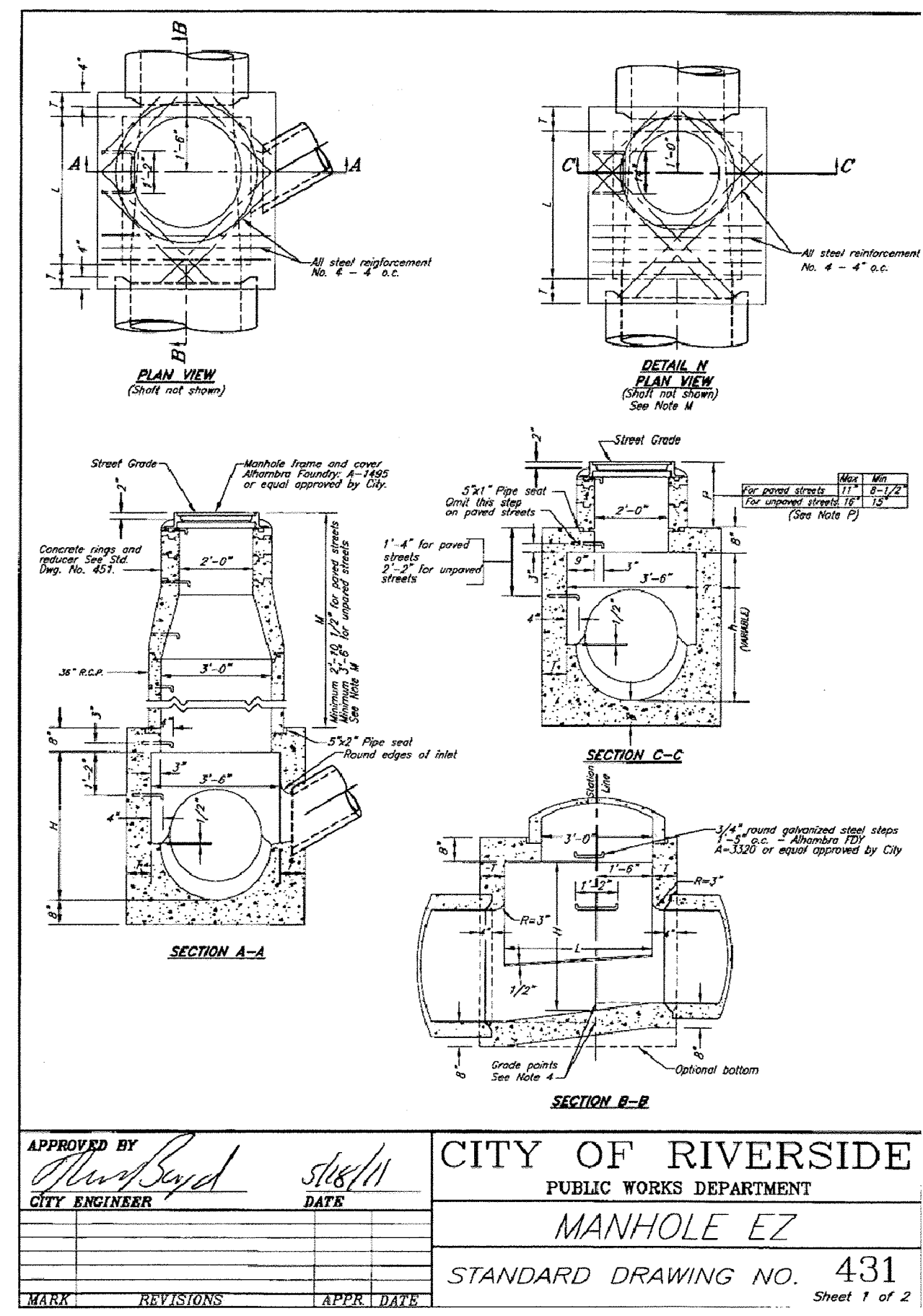
APPROVED BY: **Walter S. ...**
 STREET SERVICES
 DATE: **3/22/18**

TRAFFIC DIVISION: **Walter S. ...**
 DATE: **3/22/18**

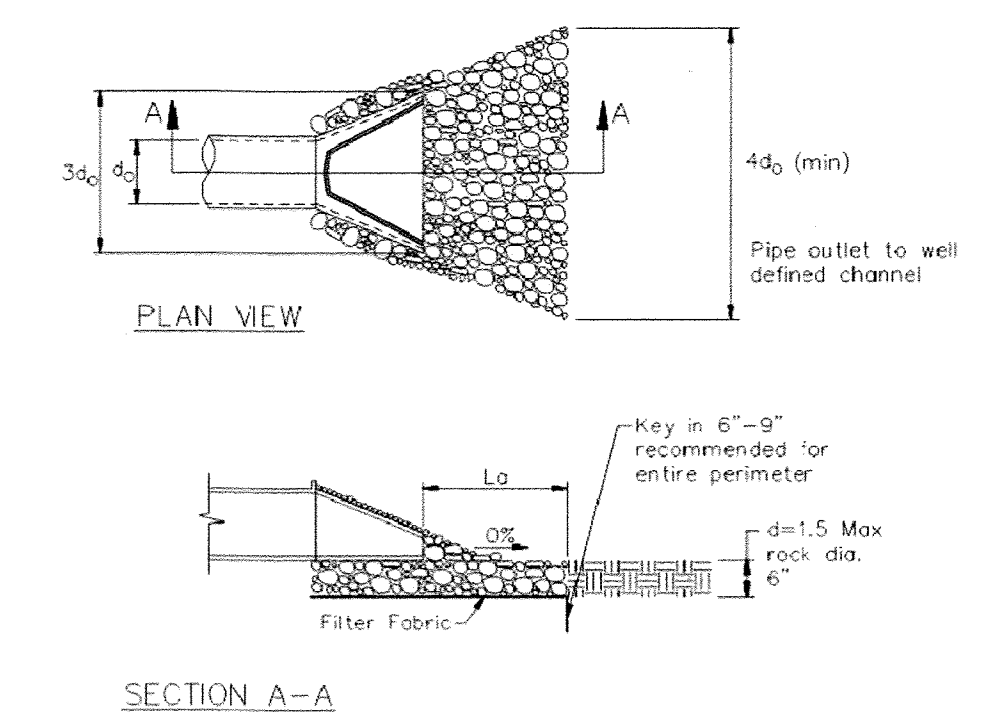
STREET IMPROVEMENT PLANS
 MERIDIAN - BARTON ROAD
 DETAILS

FOR: _____ W.O.: _____ M/J.P. FILE NO.: **MJ-085**

SHEET NO. **15**
 OF **16** SHEETS

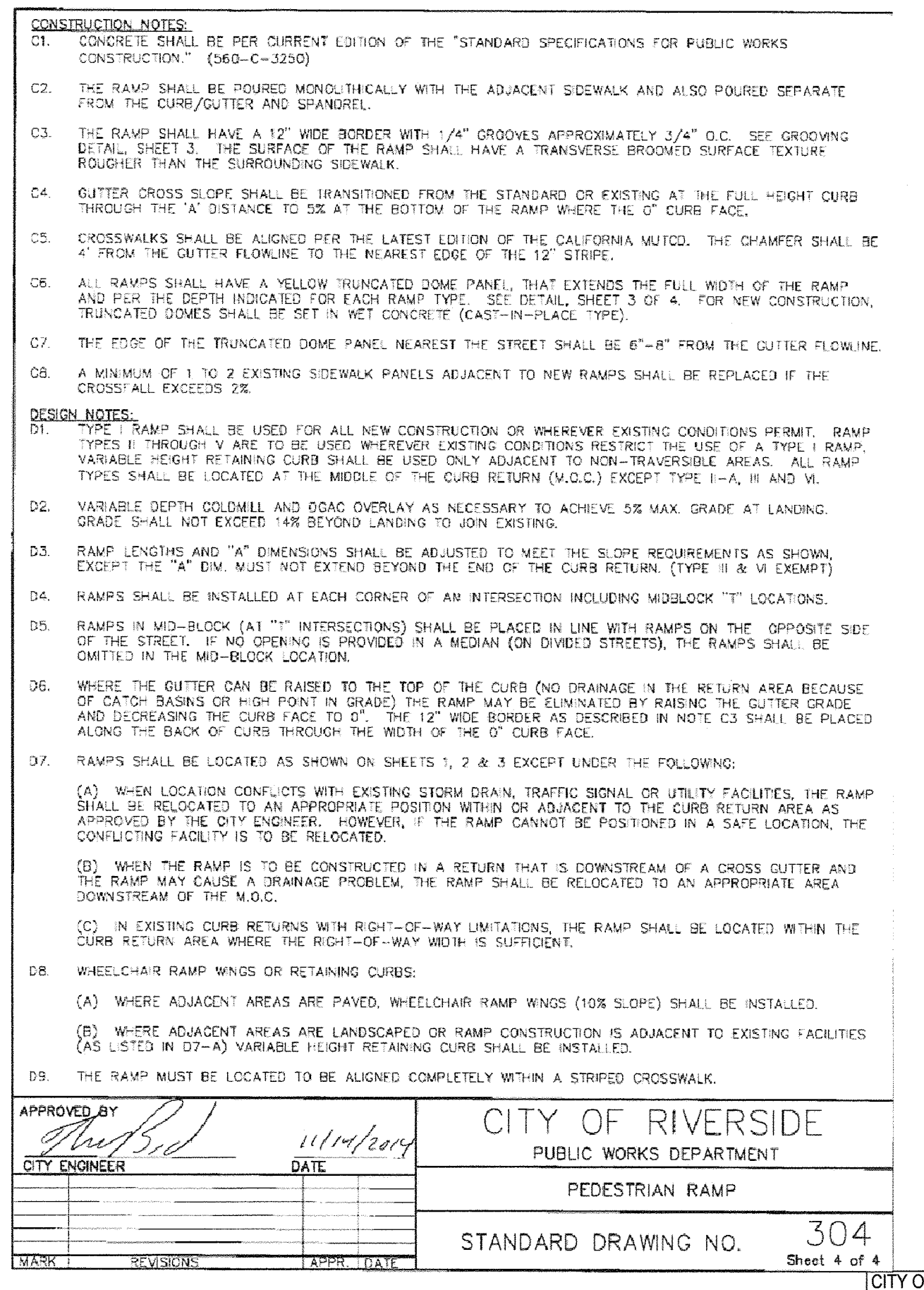
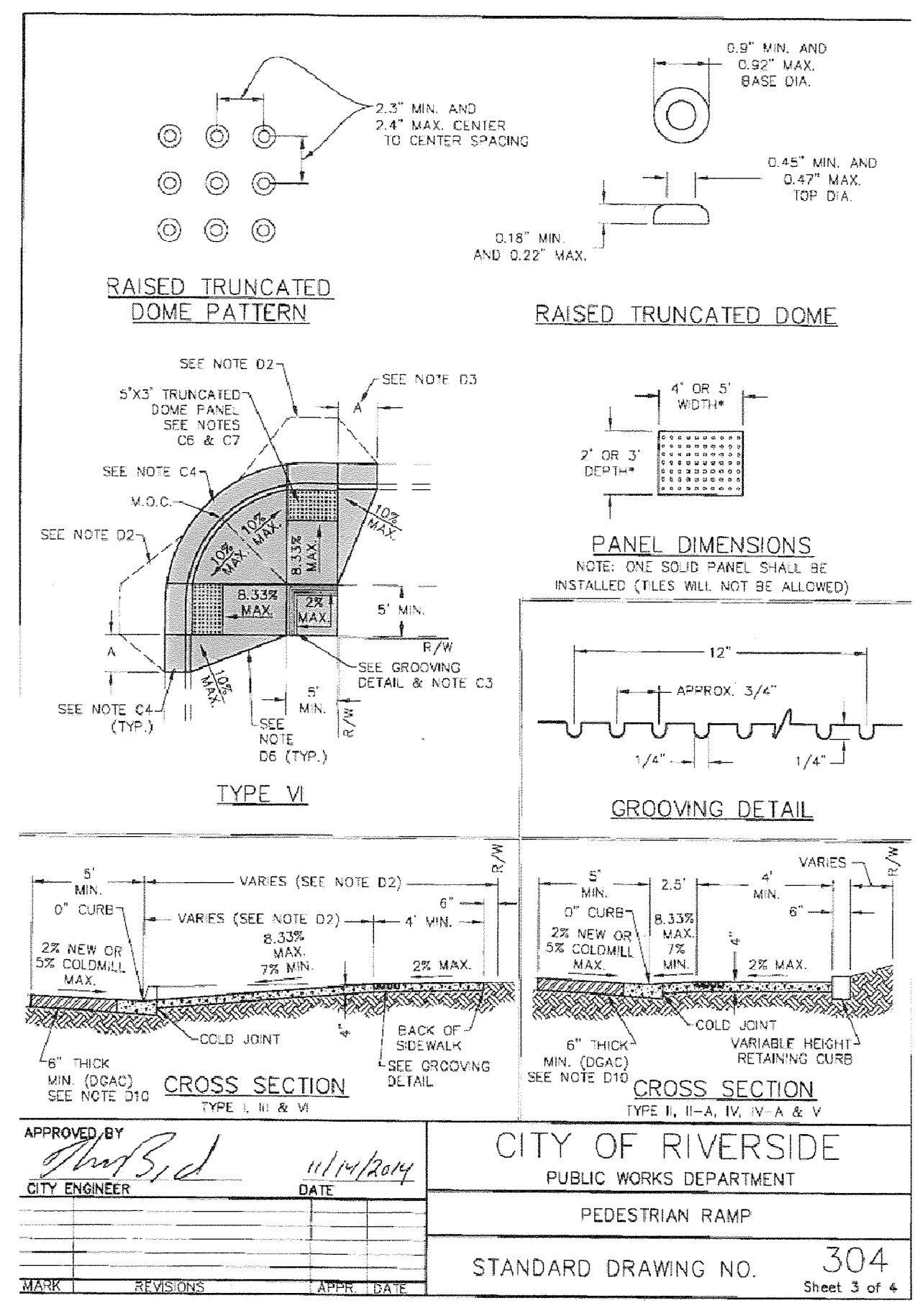
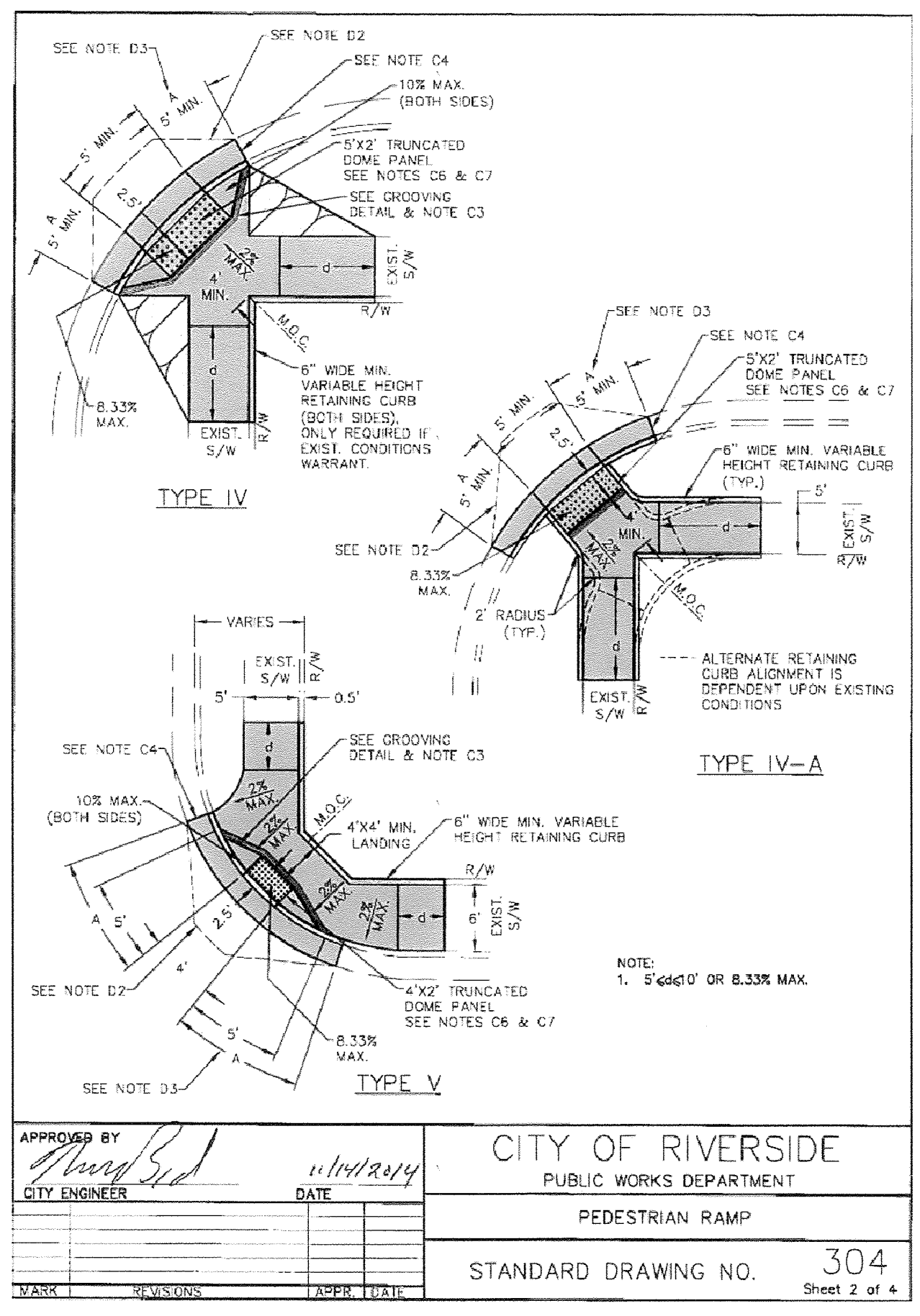
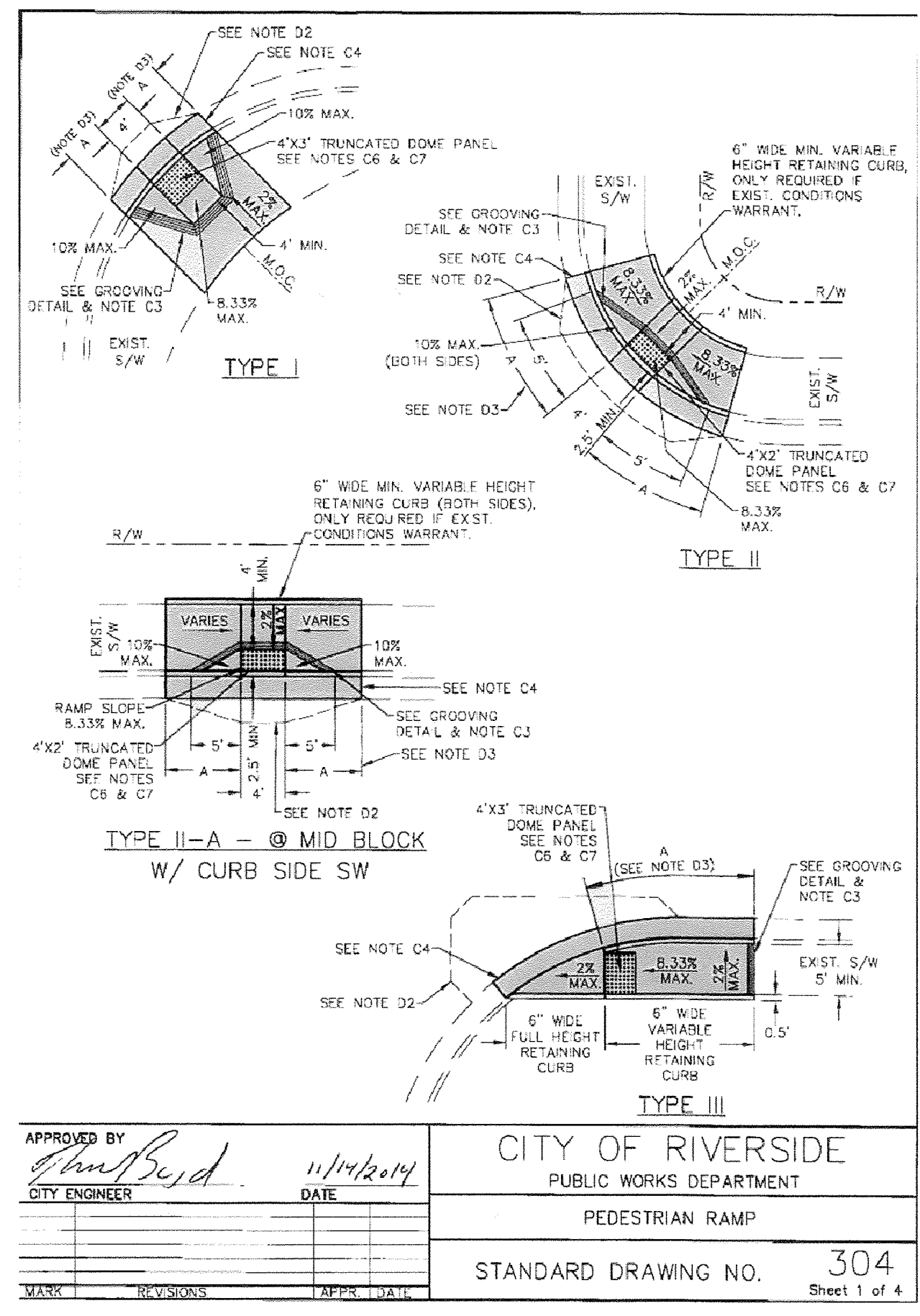


Velocity Dissipation Devices EC-10



Pipe Diameter inches	Discharge ft ³ /s	Apron Length, L _a ft	Rip Rap D ₅₀ Diameter inches
12	5	10	4
	10	15	6
18	20	16	8
	30	23	12
	40	29	16
24	30	16	8
	40	26	8
	50	26	12

For larger or higher flows consult a Registered Civil Engineer.
 Source: USDA - SCS



Don't Dig...Until You Call U.S.A. Toll Free 811

for the location of buried utility lines.

Don't disrupt vital services.

TWO WORKING DAYS BEFORE YOU DIG

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RIVERSIDE COUNTY SURVEYORS
 POINT ID 600-43-68

DATUM: NGVD29 ADJ. 1971
 ELEVATION 1532.70

MARK	BY	DATE	REVISIONS

PREPARED BY: **ORC Engineering, Inc.**
 Civil Engineering/Land Surveying/Land Planning
 160 S. Old Springs Road Suite 210
 Anaheim Hills, CA 92808
 714-685-6880

APPROVED BY: *[Signature]* DATE: 03/09/2018
 CIVIL ENGINEER

WDID No.: 8 33C382574

APPROVED BY: *[Signature]* DATE: 3/20/18
 CONST. CONTRACT ADMIN
 STREET SERVICES

CITY OF RIVERSIDE
 PW17-0475
 R-4119

SHEET NO. 16

OF 16 SHEETS

FOR: W.O. MPA FILE NO.: MJ-085