Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	101	10.8/12.8	31	81

LICENSED LANDSCAPE ARCHITECT

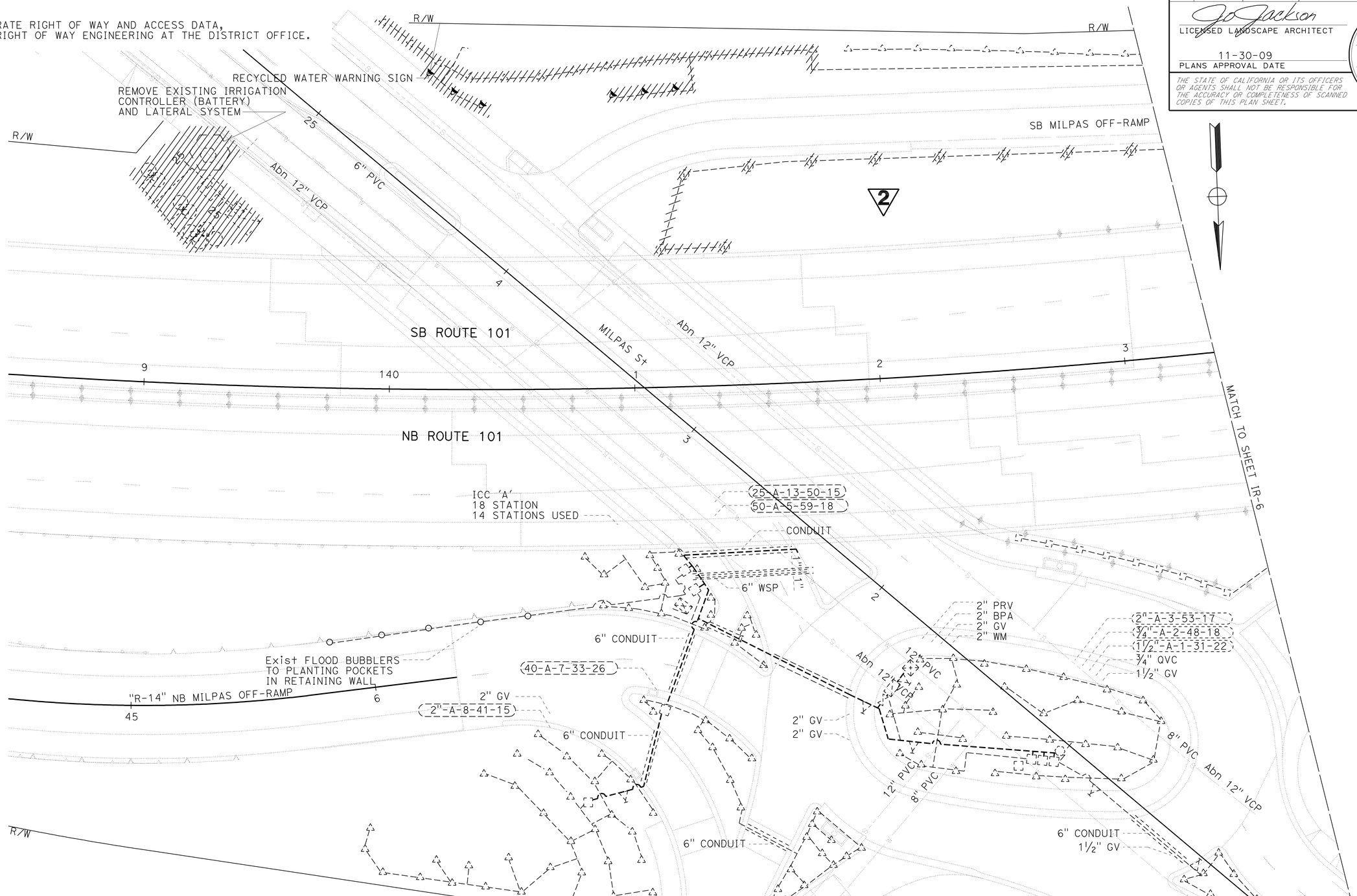
11-30-09
PLANS APPROVAL DATE

LICENSED LANDSCAPE ARCHITECT — J.G. Jackson No. 5159 — Signature — 06-30-10 Renewal Date — 09-01-09 Date — STATE OF CALIFORNIA

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

NOTE:

FOR ACCURATE RIGHT OF WAY AND ACCESS DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.



IRRIGATION REMOVAL PLAN

SCALE: 1"= 20'

IR-5

2 REVISED PER ADDENDUM No. 2 DATED APRIL 20, 2010

THIS PLAN ACCURATE FOR IRRIGATION REMOVAL WORK ONLY.

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® LANDSCAPE ARCHITECTURE

SENIOR LANDSCAPE ARCHITECT: D J REEVES
CALCULATED-DESIGNED BY: J JACKSON
CHECKED BY: D EMERSON
REVISED BY / DATE REVISED

LAST REVISION 09-01-09
DATE PLOTTED => 15-APR-2010
TIME PLOTTED => 13:51

BORDER LAST REVISED 4/11/2008
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
USERNAME => trstrk
DGN FILE => 544781tk005.dgn
CU 06341
EA 447811

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	101	10.8/12.8	32	81

LICENSED LANDSCAPE ARCHITECT

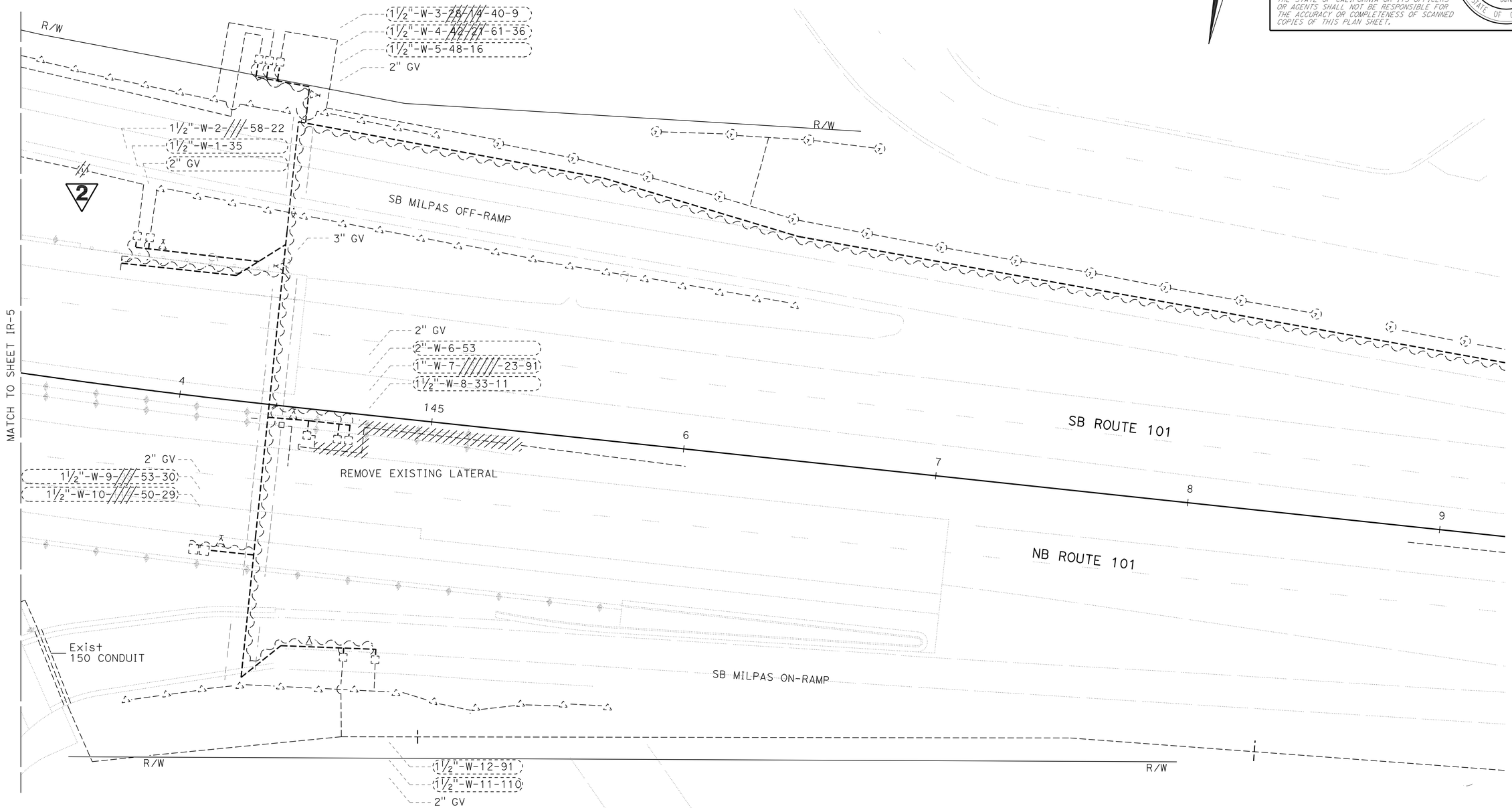
11-30-09
PLANS APPROVAL DATE

LICENSED LANDSCAPE ARCHITECT
J.D. Jackson No. 5140
Signature
06-30-10
Renewal Date
09-01-09
Date
STATE OF CALIFORNIA

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

NOTE:

FOR ACCURATE RIGHT OF WAY AND ACCESS DATA,
CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.



2 **REVISED PER ADDENDUM No. 2 DATED APRIL 20, 2010**

THIS PLAN ACCURATE FOR IRRIGATION REMOVAL WORK ONLY.

IRRIGATION REMOVAL PLAN

SCALE: 1"= 20'

IR-6

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® LANDSCAPE ARCHITECTURE

SENIOR LANDSCAPE ARCHITECT: D J REEVES
CALCULATED-DESIGNED BY: J JACKSON
CHECKED BY: D EMERSON
REVISED BY
DATE REVISED

LAST REVISION 09-01-09
DATE PLOTTED => 15-APR-2010
TIME PLOTTED => 13:51

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	101	10.8/12.8	37	81

LICENSED LANDSCAPE ARCHITECT

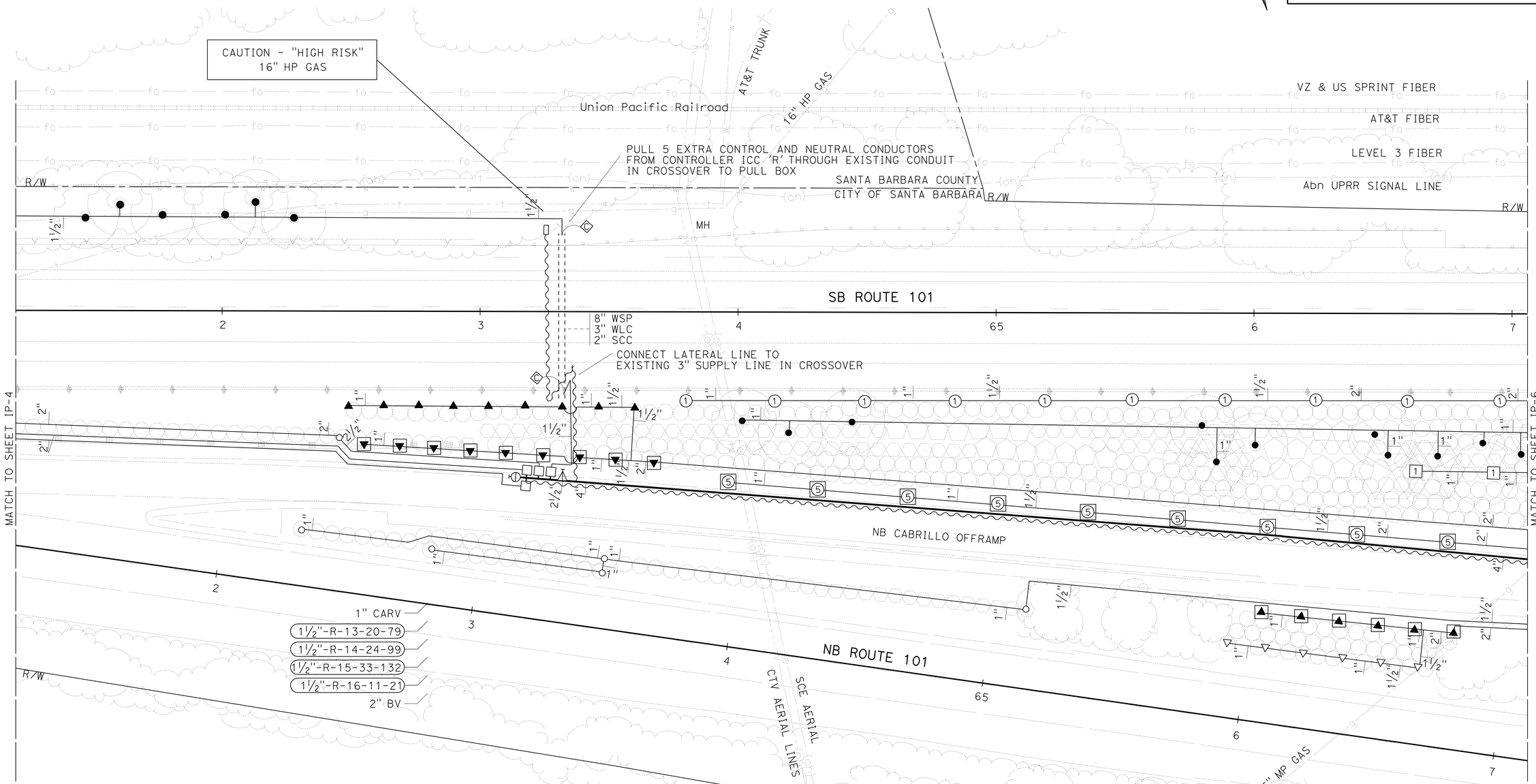
11-30-09
PLANS APPROVAL DATE

LICENSED LANDSCAPE ARCHITECT
JO JACKSON NO. 5140
Signature
06-30-10
Renewal Date
09-01-09
Date
STATE OF CALIFORNIA

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

NOTE:

FOR ACCURATE RIGHT OF WAY AND ACCESS DATA,
CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.



2 **REVISED PER ADDENDUM No. 2 DATED APRIL 20, 2010**

THIS PLAN ACCURATE FOR IRRIGATION WORK ONLY.

IRRIGATION PLAN

SCALE: 1"= 20'

IP-5

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans LANDSCAPE ARCHITECTURE

SENIOR LANDSCAPE ARCHITECT: D J REEVES
CALCULATED-DESIGNED BY: J JACKSON
CHECKED BY: D EMERSON
REVISED BY
DATE REVISED

LAST REVISION 09-01-09
DATE PLOTTED => 15-APR-2010
TIME PLOTTED => 13:51

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	101	10.8/12.8	38	81

LICENSED LANDSCAPE ARCHITECT

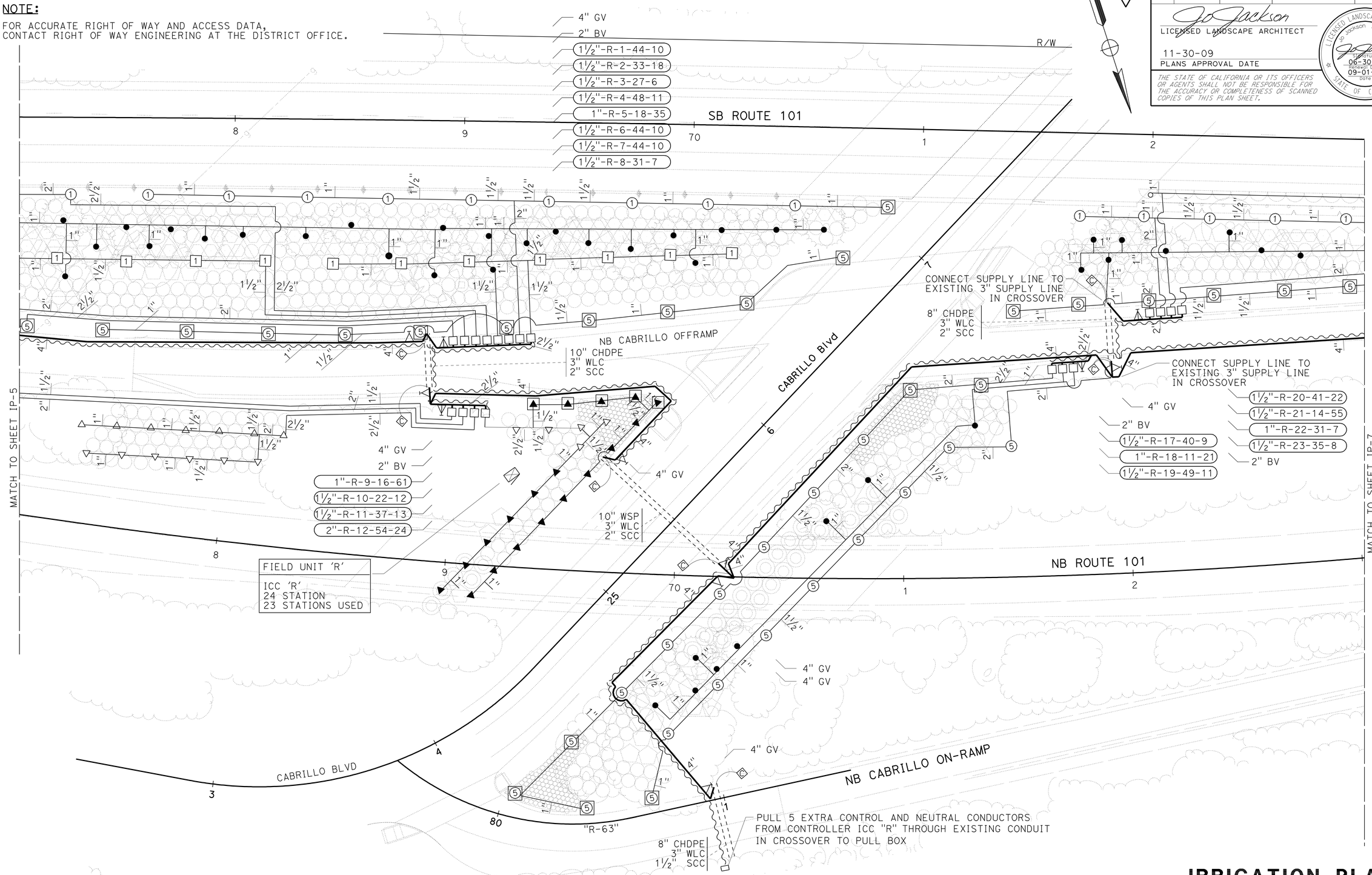
11-30-09
PLANS APPROVAL DATE

LICENSED LANDSCAPE ARCHITECT — Jo Jackson No. 5140 — Signature 06-30-10 Renewal Date 09-01-09 Date — STATE OF CALIFORNIA

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

NOTE:

FOR ACCURATE RIGHT OF WAY AND ACCESS DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.



2 **REVISED PER ADDENDUM No. 2 DATED APRIL 20, 2010**

THIS PLAN ACCURATE FOR IRRIGATION WORK ONLY.

IRRIGATION PLAN

SCALE: 1"= 20'

IP-6

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® LANDSCAPE ARCHITECTURE

SENIOR LANDSCAPE ARCHITECT: D J REEVES
CALCULATED-DESIGNED BY: J JACKSON
CHECKED BY: D EMERSON
REVISED BY
DATE REVISED

LAST REVISION 09-01-09
DATE PLOTTED => 15-APR-2010
TIME PLOTTED => 1351

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	101	10.8/12.8	39	81

LICENSED LANDSCAPE ARCHITECT

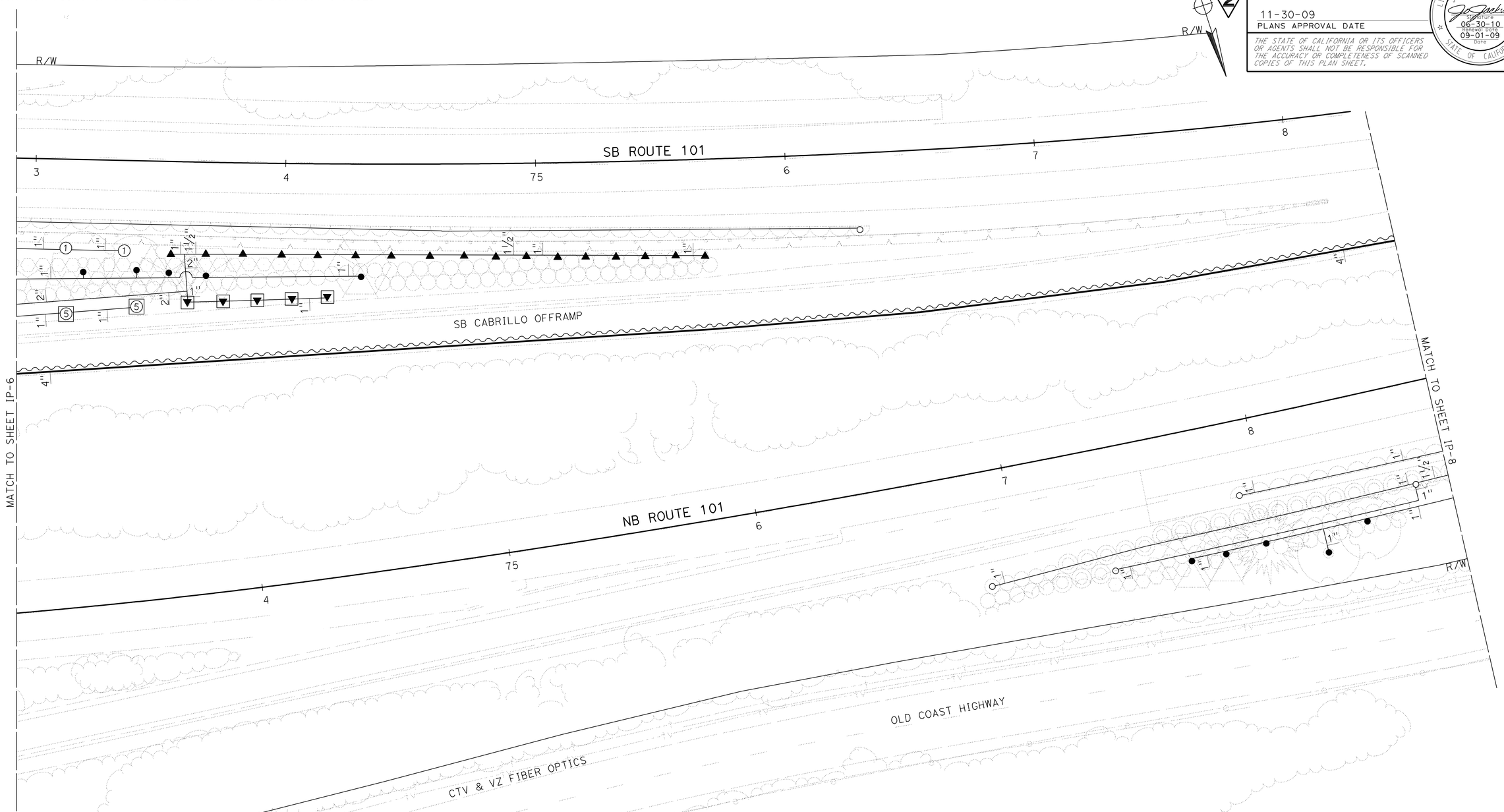
11-30-09
PLANS APPROVAL DATE

LICENSED LANDSCAPE ARCHITECT
Jo Jackson No. 5140
Signature
06-30-10
Renewal Date
09-01-09
Date
STATE OF CALIFORNIA

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

NOTE:

FOR ACCURATE RIGHT OF WAY AND ACCESS DATA,
CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.



2 **REVISED PER ADDENDUM No. 2 DATED APRIL 20, 2010**

THIS PLAN ACCURATE FOR IRRIGATION WORK ONLY.

IRRIGATION PLAN

SCALE: 1"= 20'

IP-7

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® LANDSCAPE ARCHITECTURE

SENIOR LANDSCAPE ARCHITECT: D J REEVES
CALCULATED-DESIGNED BY: J JACKSON
CHECKED BY: D EMERSON
REVISED BY
DATE REVISED

LAST REVISION 09-01-09
DATE PLOTTED => 19-APR-2010
TIME PLOTTED => 08:29

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	101	10.8/12.8	44	81

LICENSED LANDSCAPE ARCHITECT

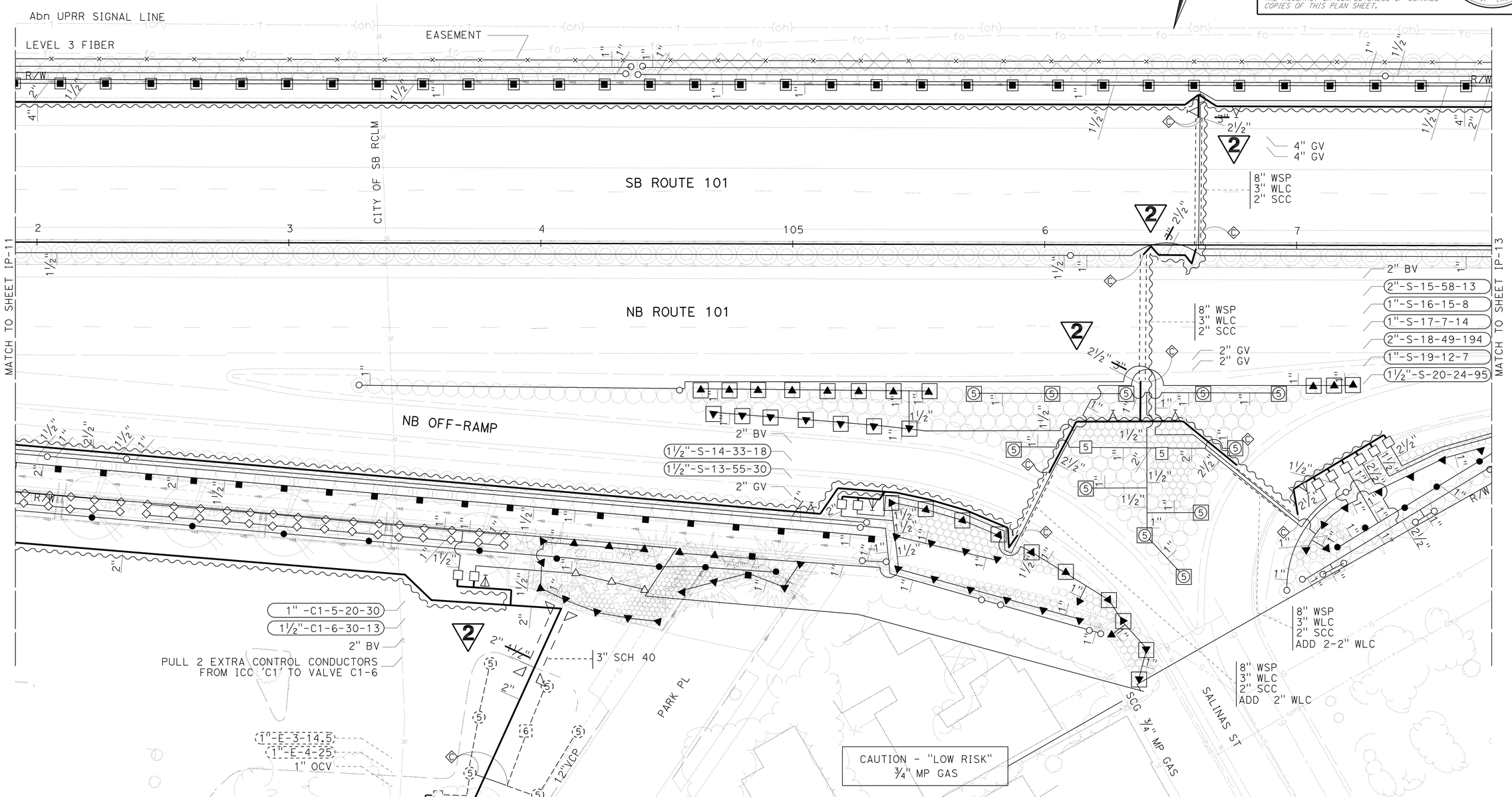
11-30-09
PLANS APPROVAL DATE

LICENSED LANDSCAPE ARCHITECT — Jo Jackson No. 5140 — Signature — 06-30-10 Renewal Date — 09-01-09 Date — STATE OF CALIFORNIA

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

NOTE:

FOR ACCURATE RIGHT OF WAY AND ACCESS DATA,
CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.



2 REVISED PER ADDENDUM No. 2 DATED APRIL 20, 2010

THIS PLAN ACCURATE FOR IRRIGATION WORK ONLY.

IRRIGATION PLAN

SCALE: 1"= 20'

IP-12

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® LANDSCAPE ARCHITECTURE

SENIOR LANDSCAPE ARCHITECT: D J REEVES
CALCULATED-DESIGNED BY: J JACKSON
CHECKED BY: D EMERSON
REVISED BY
DATE REVISED

LAST REVISION 09-01-09
DATE PLOTTED => 15-APR-2010
TIME PLOTTED => 13:56

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	101	10.8/12.8	48	81

LICENSED LANDSCAPE ARCHITECT

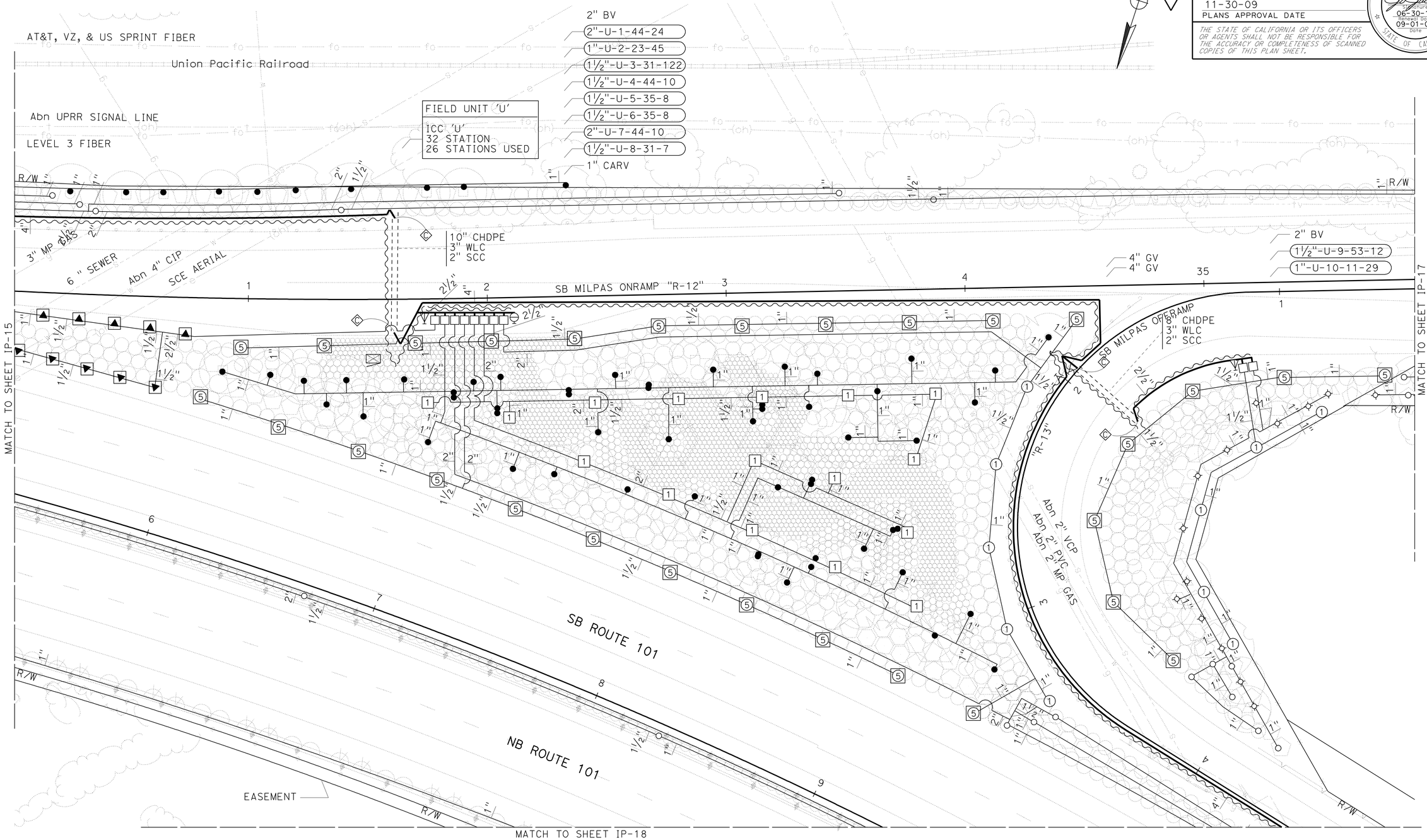
11-30-09
PLANS APPROVAL DATE

LICENSED LANDSCAPE ARCHITECT — Jo Jackson No. 5140 — Signature 06-30-10 Renewal Date 09-01-09 Date — STATE OF CALIFORNIA

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

NOTE:

FOR ACCURATE RIGHT OF WAY AND ACCESS DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.



2 **REVISED PER ADDENDUM No. 2 DATED APRIL 20, 2010**

THIS PLAN ACCURATE FOR IRRIGATION WORK ONLY.

IRRIGATION PLAN

SCALE: 1"= 20'

IP-16

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® LANDSCAPE ARCHITECTURE

SENIOR LANDSCAPE ARCHITECT: D J REEVES
CALCULATED-DESIGNED BY: J JACKSON
CHECKED BY: D EMERSON
REVISED BY / DATE REVISED

LAST REVISION 09-01-09 | DATE PLOTTED => 15-APR-2010 | TIME PLOTTED => 13:51

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	101	10.8/12.8	51	81

LICENSED LANDSCAPE ARCHITECT

11-30-09
PLANS APPROVAL DATE

LICENSED LANDSCAPE ARCHITECT — Jo Jackson No. 5110 — Signature 06-30-10 Renewal Date 09-01-09 Date — STATE OF CALIFORNIA

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

NOTE:

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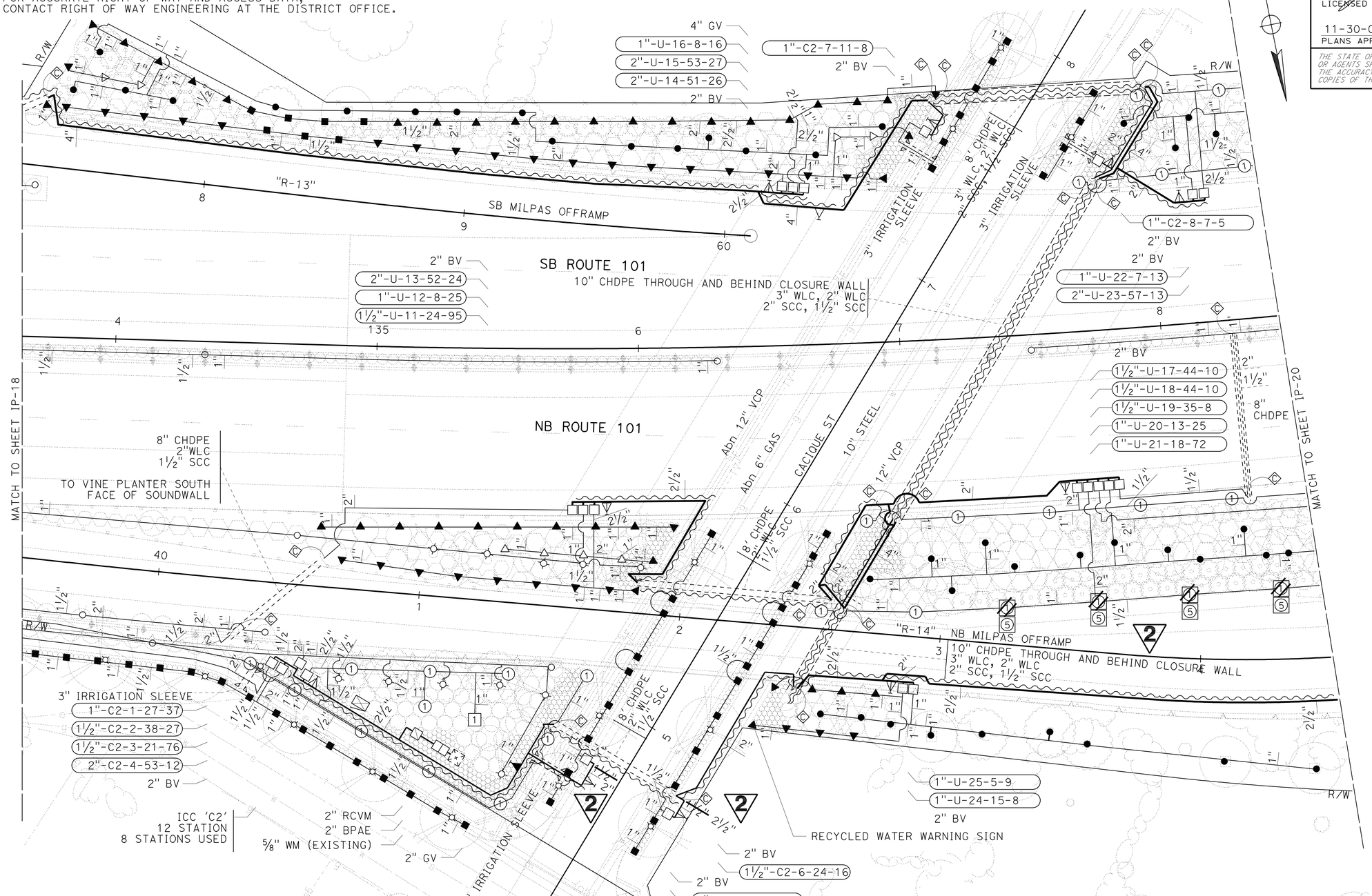


THIS PLAN ACCURATE FOR IRRIGATION WORK ONLY.

2 REVISED PER ADDENDUM No. 2 DATED APRIL 20, 2010

IRRIGATION PLAN

SCALE: 1"= 20'

IP-19

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® LANDSCAPE ARCHITECTURE

SENIOR LANDSCAPE ARCHITECT: D J REEVES
CALCULATED-DESIGNED BY: J JACKSON
CHECKED BY: D EMERSON
REVISED BY
DATE REVISED

LAST REVISION 09-01-09
DATE PLOTTED => 19-APR-2010
TIME PLOTTED => 07:52

BORDER LAST REVISED 4/11/2008
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
USERNAME => trrene
DGN FILE => 544781t1019.add
CU 06341
EA 447811

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	101	10.8/12.8	52	81

LICENSED LANDSCAPE ARCHITECT

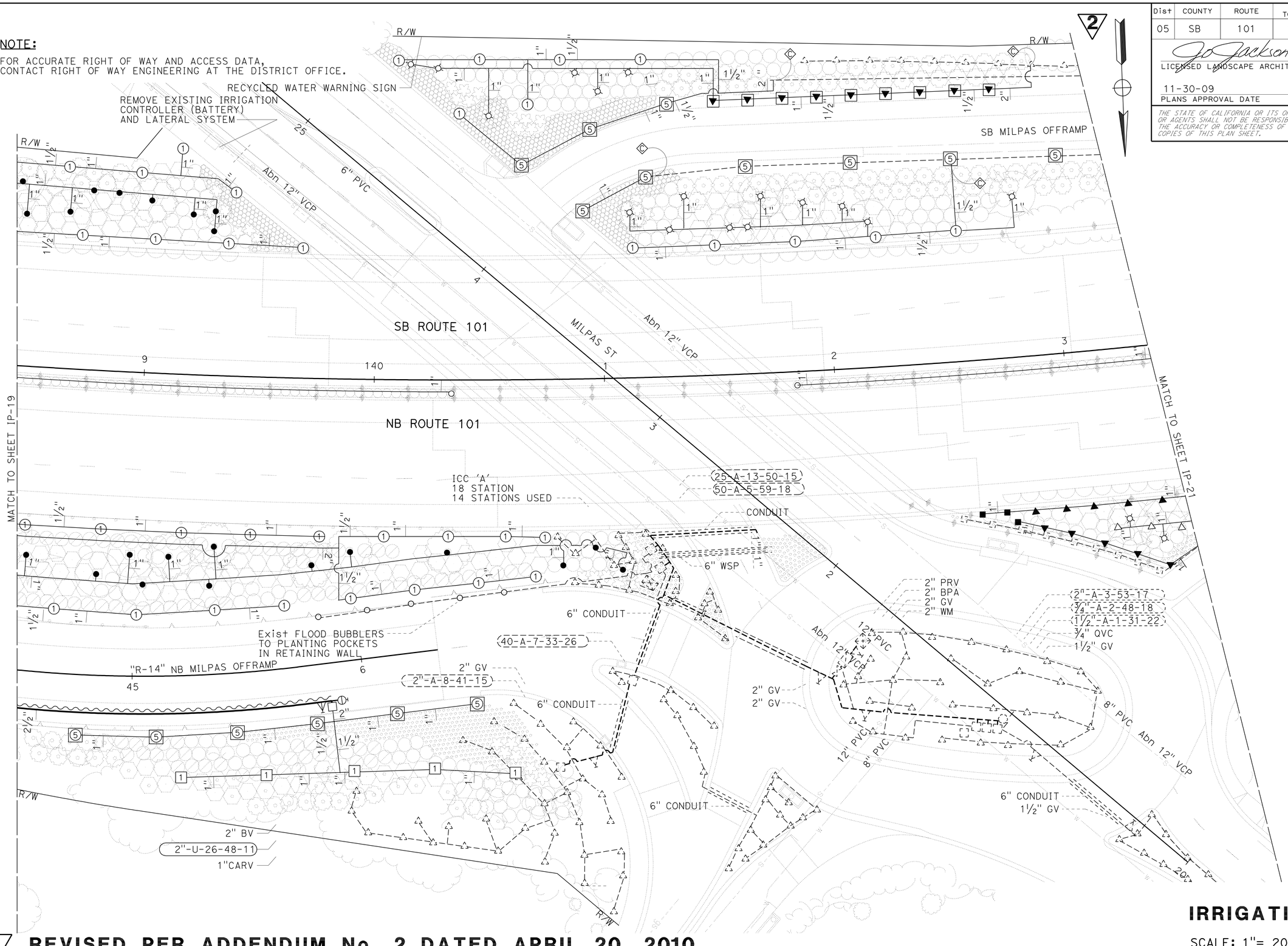
11-30-09
PLANS APPROVAL DATE

LICENSED LANDSCAPE ARCHITECT — Jo Jackson No. 5194 — Signature — 06-30-10 Renewal Date — 09-01-09 Date — STATE OF CALIFORNIA

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

NOTE:

FOR ACCURATE RIGHT OF WAY AND ACCESS DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.



2 **REVISED PER ADDENDUM No. 2 DATED APRIL 20, 2010**

THIS PLAN ACCURATE FOR IRRIGATION WORK ONLY.

IRRIGATION PLAN

SCALE: 1"= 20'

IP-20

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® LANDSCAPE ARCHITECTURE

SENIOR LANDSCAPE ARCHITECT: D J REEVES
CALCULATED-DESIGNED BY: J JACKSON
CHECKED BY: D EMERSON
REVISED BY
DATE REVISED

LAST REVISION 09-01-09 | DATE PLOTTED => 19-APR-2010 | TIME PLOTTED => 07:52

BORDER LAST REVISED 4/11/2008 | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | USERNAME => trrene | DGN FILE => 544781t1020.add | CU 06341 | EA 447811

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	101	10.8/12.8	53	81

LICENSED LANDSCAPE ARCHITECT

11-30-09
PLANS APPROVAL DATE

LICENSED LANDSCAPE ARCHITECT
J.D. Jackson No. 5140
Signature
06-30-10
Renewal Date
09-01-09
Date
STATE OF CALIFORNIA

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

NOTE:

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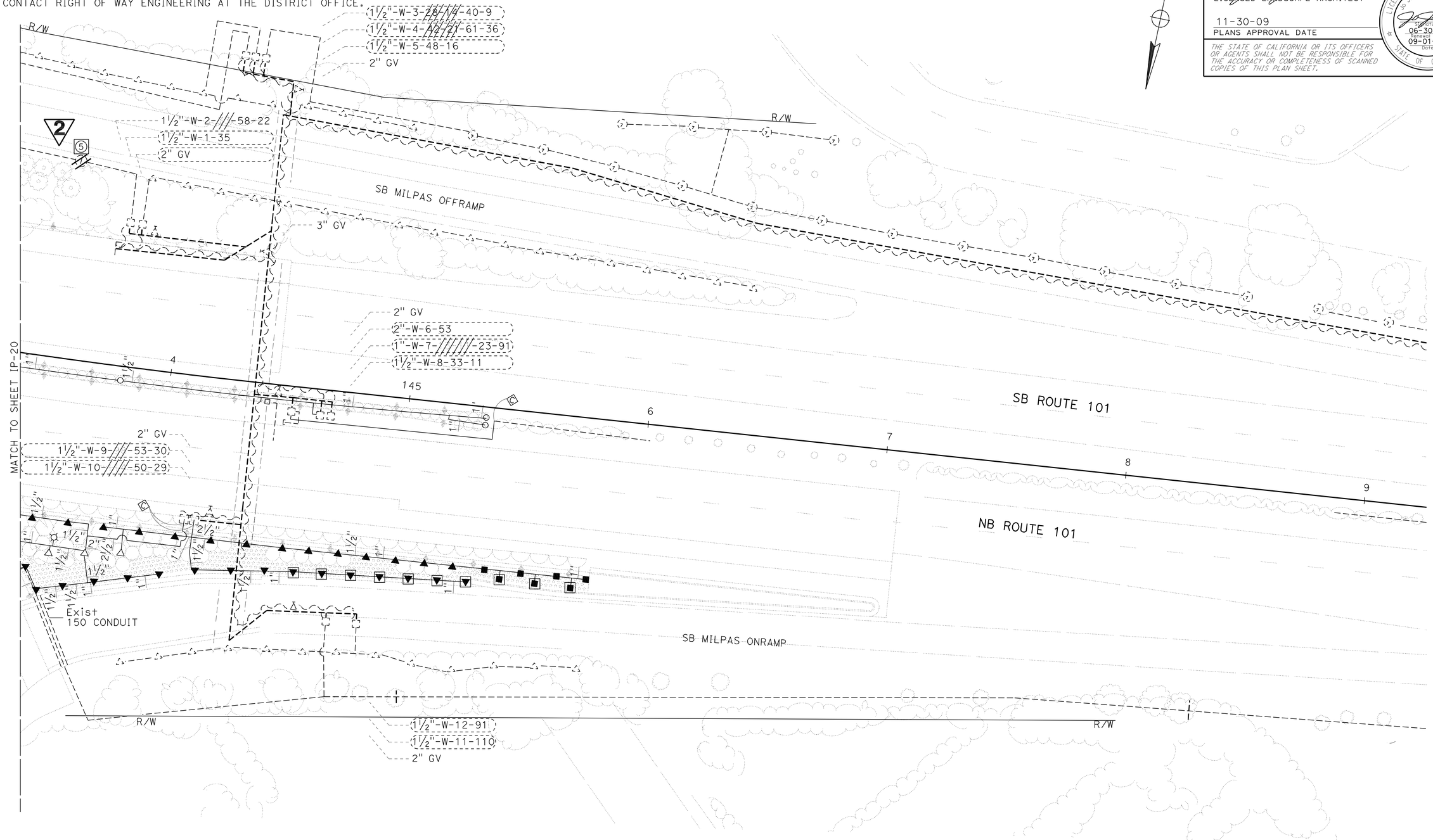

2 REVISED PER ADDENDUM No. 2 DATED APRIL 20, 2010

THIS PLAN ACCURATE FOR IRRIGATION WORK ONLY.

IRRIGATION PLAN

SCALE: 1"= 20'

IP-21

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® LANDSCAPE ARCHITECTURE

SENIOR LANDSCAPE ARCHITECT: D J REEVES
CALCULATED-DESIGNED BY: J JACKSON
CHECKED BY: D EMERSON
REVISED BY
DATE REVISED

LAST REVISION 09-01-09
DATE PLOTTED => 19-APR-2010
TIME PLOTTED => 07:52

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	101	10.8/12.8	57	81

LICENSED LANDSCAPE ARCHITECT

11-30-09
PLANS APPROVAL DATE

LICENSED LANDSCAPE ARCHITECT — Jo Jackson No. 5110 — Signature — 06-30-10 Renewal Date — 09-01-09 Date — STATE OF CALIFORNIA

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

SUBTOTALS PER VALVE ON LATERAL SUPPLY SIDE OF CONTROL VALVE 2

DESCRIPTION		UNIT	R-1	R-2	R-3	R-4	R-5	R-6	R-7	R-8	R-9	R-10	R-11	R-12	R-13	R-14	R-15	R-16	R-17	R-18	R-19	R-20	R-21	R-22	R-23	SUBTOTALS	UNIT	DESCRIPTION	
PLASTIC PIPE SUPPLY LINE PR 200	1"	LF	105	230	60	105	820	225	215	170	395	120	90	205	400	165	295	275	90	650	95	**135**	**480**	**115**	**140**	5580	LF	1"	PR 200 PLASTIC PIPE SUPPLY LINE
	1½"	LF	140	40	220	140	45	110	105	40	285	30	70	100	330	390	235	1145	115	-	120	**135**	**-**	**50**	**60**	3905	LF	1½"	
	2"	LF	70	550	-	105	-	-	60	-	-	235	15	-	1370	865	255	-	90	-	90	**170**	**-**	**40**	**5**	3920	LF	2"	
	2½"	LF	200	-	-	245	-	-	-	-	-	-	90	25	-	-	80	-	-	-	30	-	-	-	-	670	LF	2½"	
SPRINKLER TYPE	A-1	EA	**-**	-	6	11	-	**-**	**9**	7	-	-	-	-	-	-	-	-	-	-	-	**-**	**-**	**7**	-	**40**	EA	A-1	SPRINKLER TYPE
	A-5	EA	**10**	-	-	-	-	**10**	**1**	-	-	-	-	-	-	-	-	-	9	-	11	-	-	-	**8**	**49**	EA	A-5	
	B-2	EA	-	18	-	-	-	-	-	-	-	12	13	24	-	-	-	-	-	-	-	**22**	-	-	**-**	89	EA	B-2	
	C-2	EA	-	-	-	-	35	-	-	-	61	-	-	-	79	99	132	21	-	21	-	-	**55**	**-**	-	503	EA	C-2	

SUBTOTALS PER VALVE ON LATERAL SUPPLY SIDE OF CONTROL VALVE

DESCRIPTION		UNIT	S-1	S-2	S-3	S-4	S-5	S-6	S-7	S-8	S-9	S-10	S-11	S-12	S-13	S-14	S-15	S-16	S-17	S-18	S-19	S-20	SUBTOTALS	UNIT	DESCRIPTION	
PLASTIC PIPE SUPPLY LINE PR 200	1"	LF	1260	680	690	525	390	785	315	125	220	255	125	980	305	290	260	90	670	655	145	425	9190	LF	1"	PR 200 PLASTIC PIPE SUPPLY LINE
	1½"	LF	990	185	490	125	225	650	640	160	-	125	145	250	85	80	50	10	-	190	60	195	4655	LF	1½"	
	2"	LF	50	55	20	420	760	335	990	370	-	20	105	110	25	-	25	-	-	210	-	35	3530	LF	2"	
	2½"	LF	-	-	290	755	-	-	-	-	-	-	175	-	-	125	70	-	-	410	-	990	2815	LF	2½"	
SPRINKLER TYPE	A-1	EA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	EA	A-1	SPRINKLER TYPE
	A-5	EA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13	-	-	-	-	-	13	EA	A-5	
	B-2	EA	-	-	-	-	-	-	-	22	-	-	-	-	30	18	-	8	-	-	7	-	85	EA	B-2	
	C-2	EA	85	148	193	191	78	200	130	-	10	22	22	150	-	-	-	-	14	194	-	95	1532	EA	C-2	

SUBTOTALS PER VALVE ON LATERAL SUPPLY SIDE OF CONTROL VALVE

DESCRIPTION		UNIT	T-1	T-2	T-3	T-4	T-5	T-6	T-7	T-8	T-9	T-10	T-11	T-12	T-13	T-14	T-15	T-16	T-17	SUBTOTALS	UNIT	DESCRIPTION	
PLASTIC PIPE SUPPLY LINE PR 200	1"	LF	1100	1190	250	155	130	835	200	655	130	130	895	965	1020	320	200	195	315	8685	LF	1"	PR 200 PLASTIC PIPE SUPPLY LINE
	1½"	LF	25	60	145	145	145	480	160	505	145	145	155	20	215	250	160	160	160	3075	LF	1½"	
	2"	LF	-	175	110	65	90	90	200	80	90	90	-	-	20	105	245	245	125	1730	LF	2"	
	2½"	LF	-	20	75	465	810	495	1475	530	725	215	20	-	-	300	770	155	25	6080	LF	2½"	
SPRINKLER TYPE	A-1	EA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	EA	A-1	SPRINKLER TYPE
	A-5	EA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	EA	A-5	
	B-2	EA	-	-	26	22	21	-	-	-	29	29	-	-	-	-	-	-	-	127	EA	B-2	
	C-2	EA	26	200	-	-	-	199	200	188	-	-	188	37	145	145	152	151	151	1782	EA	C-2	

SUBTOTALS PER VALVE ON LATERAL SUPPLY SIDE OF CONTROL VALVE

DESCRIPTION		UNIT	C3-1	SUBTOTALS	UNIT	DESCRIPTION	
PLASTIC PIPE SUPPLY LINE PR 200	1"	LF	150	150	LF	1"	PR 200 PLASTIC PIPE SUPPLY LINE
	1½"	LF	30	30	LF	1½"	
			20	20	LF	2"	
SPRINKLER TYPE	A-1	EA	-	-	EA	A-1	SPRINKLER TYPE
	A-5	EA	-	-	EA	A-5	
	B-2	EA	20	20	EA	B-2	
	C-2	EA	1	1	EA	C-2	

2 **REVISED PER ADDENDUM No. 2 DATED APRIL 20, 2010**

IRRIGATION QUANTITIES
IQ-1

REVISED BY | DATE REVISED
J JACKSON | D EMERSON
CALCULATED-DESIGNED BY | CHECKED BY
SENIOR LANDSCAPE ARCHITECT
D J REEVES

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® LANDSCAPE ARCHITECTURE

LAST REVISION 09-01-09 | DATE PLOTTED => 19-APR-2010 | TIME PLOTTED => 07:52

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	101	10.8/12.8	58	81

LICENSED LANDSCAPE ARCHITECT

11-30-09
PLANS APPROVAL DATE

LICENSED LANDSCAPE ARCHITECT — Jo Jackson No. 5140 — Signature — 06-30-10 Renewal Date — 09-01-09 Date — STATE OF CALIFORNIA

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

SUBTOTALS PER VALVE ON LATERAL SUPPLY SIDE OF CONTROL VALVE 2

DESCRIPTION		UNIT	U-1	U-2	U-3	U-4	U-5	U-6	U-7	U-8	U-9	U-10	U-11	U-12	U-13	U-14	U-15	U-16	U-17	U-18	U-19	U-20	U-21	U-22	U-23	U-24	U-25	U-26	SUBTOTALS	UNIT	DESCRIPTION	
PLASTIC PIPE SUPPLY LINE	PR 200	1"	LF	225	1050	660	210	190	145	210	160	295	295	520	270	310	180	145	405	175	205	150	585	285	235	340	125	205	320	7895	LF	1"	PR 200 PLASTIC PIPE SUPPLY LINE
		1½"	LF	120	30	120	105	25	70	105	45	95	-	410	-	10	90	80	-	125	100	50	-	60	-	30	-	-	35	1705	LF	1½"	
		2"	LF	-	-	320	70	130	80	-	245	-	-	170	-	15	95	105	-	10	45	230	-	-	-	-	-	-	-	1515	LF	2"	
		2½"	LF	115	-	-	-	-	-	10	-	-	-	-	-	5	5	60	-	-	-	-	-	-	-	10	-	-	-	205	LF	2½"	
SPRINKLER TYPE		A-1	EA	-	-	-	**-**	8	8	**-**	**5**	**5**	-	-	-	-	-	-	-	10	**6**	8	-	-	-	13	-	-	**5**	**68**	EA	A-1	SPRINKLER TYPE
		A-5	EA	-	-	-	**10**	-	-	**10**	**2**	**7**	-	-	-	-	-	-	-	-	**4**	-	-	-	-	-	-	-	**6**	**39**	EA	A-5	
		B-2	EA	24	-	-	-	-	-	-	-	-	-	-	-	24	26	27	-	-	-	-	-	-	-	-	8	-	-	109	EA	B-2	
		C-2	EA	-	45	122	-	-	-	-	-	-	29	95	25	-	-	-	16	-	-	-	25	72	13	-	-	9	-	451	EA	C-2	

SUBTOTALS PER VALVE ON LATERAL SUPPLY SIDE OF CONTROL VALVE

DESCRIPTION		UNIT	C2-1	C2-2	C2-3	C2-4	C2-5	C2-6	C2-7	C2-8	SUBTOTALS	UNIT	DESCRIPTION	
PLASTIC PIPE SUPPLY LINE	PR 200	1"	LF	85	165	570	185	120	80	90	50	1345	LF	1"	PR 200 PLASTIC PIPE SUPPLY LINE
		1½"	LF	265	65	60	105	5	65	-	-	565	LF	1½"	
		2"	LF	175	15	10	-	-	-	-	-	200	LF	2"	
		2½"	LF	-	-	-	10	-	-	-	-	10	LF	2½"	
SPRINKLER TYPE		A-1	EA	-	-	-	12	-	-	-	-	12	EA	A-1	SPRINKLER TYPE
		A-5	EA	-	-	-	-	-	-	-	-	-	EA	A-5	
		B-2	EA	10	20	-	-	9	13	6	4	62	EA	B-2	
		C-2	EA	27	7	76	-	3	3	2	1	119	EA	C-2	

SUBTOTALS PER VALVE ON LATERAL SUPPLY SIDE OF CONTROL VALVE

DESCRIPTION		UNIT	B-1	B-2	B-5	B-6	SUBTOTALS	UNIT	DESCRIPTION	
PLASTIC PIPE SUPPLY LINE	PR 200	1"	LF	295	120	460	90	965	LF	1"	PR 200 PLASTIC PIPE SUPPLY LINE
		1½"	LF	15	10	50	-	75	LF	1½"	
SPRINKLER TYPE		A-1	EA	-	-	-	-	-	EA	A-1	SPRINKLER TYPE
		A-5	EA	-	-	-	-	-	EA	A-5	
		B-2	EA	-	10	-	5	15	EA	B-2	
		C-2	EA	42	-	81	-	123	EA	C-2	

SUBTOTALS PER VALVE ON LATERAL SUPPLY SIDE OF CONTROL VALVE

DESCRIPTION		UNIT	C1-1	C1-2	C1-3	C1-4	C1-5	C1-6	SUBTOTALS	UNIT	DESCRIPTION	
PLASTIC PIPE SUPPLY LINE	PR 200	1"	LF	730	590	200	275	290	150	2235	LF	1"	PR 200 PLASTIC PIPE SUPPLY LINE
		1½"	LF	-	5	10	10	10	50	85	LF	1½"	
											LF	2"	
SPRINKLER TYPE		A-1	EA	-	-	-	-	-	-	-	EA	A-1	SPRINKLER TYPE
		A-5	EA	-	-	-	-	-	-	-	EA	A-5	
		B-2	EA	-	-	17	31	30	13	91	EA	B-2	
		C-2	EA	30	28	-	-	-	-	58	EA	C-2	

2

SUBTOTALS PER VALVE ON LATERAL SUPPLY SIDE OF CONTROL VALVE

DESCRIPTION		UNIT	W-2	W-3	W-4	W-6	W-7	W-9	W-10	SUBTOTALS	UNIT	DESCRIPTION	
PLASTIC PIPE SUPPLY LINE	PR 200	1"	LF	305	190	225	-	285	215	275	1495	LF	1"	PR 200 PLASTIC PIPE SUPPLY LINE
		1½"	LF	65	105	75	-	85	120	85	535	LF	1½"	
		2"	LF	-	30	30	90	-	-	5	155	LF	2"	
		2½"	LF	-	-	-	-	-	10	50	60	LF	2½"	
SPRINKLER TYPE		A-1	EA	**5**	**6**	-	-	-	-	-	**11**	EA	A-1	SPRINKLER TYPE
		A-5	EA	**7**	**3**	-	-	-	-	-	**10**	EA	A-5	
		B-2	EA	-	-	9	-	-	30	26	65	EA	B-2	
		C-2	EA	10	-	6	-	91	-	3	110	EA	C-2	

2

2 **REVISED PER ADDENDUM No. 2 DATED APRIL 20, 2010**

IRRIGATION QUANTITIES

IQ-2

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® LANDSCAPE ARCHITECTURE

SENIOR LANDSCAPE ARCHITECT: D J REEVES
CALCULATED-DESIGNED BY: J JACKSON
CHECKED BY: D EMERSON
REVISED BY
DATE REVISED

LAST REVISION 09-01-09
DATE PLOTTED => 15-APR-2010
TIME PLOTTED => 13:52

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
05	SB	101	10.8/12.8	59	81

2

LICENSED LANDSCAPE ARCHITECT

11-30-09
PLANS APPROVAL DATE

LICENSED LANDSCAPE ARCHITECT
Jo Jackson No. 5145
Signature
06-30-10
Renewal Date
09-01-09
Date
STATE OF CALIFORNIA

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

SUBTOTALS PER PLAN SHEET ON MAIN SUPPLY SIDE OF CONTROL VALVE

DESCRIPTION			UNIT	SHEET NUMBER IP-1	IP-2	IP-3	IP-4	IP-5	IP-6	IP-7	IP-8	IP-9	IP-10	IP-11	IP-12	IP-13	IP-14	IP-15	IP-16	IP-17	IP-18	IP-19	IP-20	IP-21	SUBTOTALS
BPA		2"	EA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1
BPA		ENCLOSURE	EA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1
IRRIGATION CONTROLLER		FIELD UNIT 'R'	EA	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
IRRIGATION CONTROLLER		FIELD UNIT 'S'	EA	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	1
IRRIGATION CONTROLLER		FIELD UNIT 'T'	EA	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	1
IRRIGATION CONTROLLER		FIELD UNIT 'U'	EA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	1
IRRIGATION CONTROLLER		8 STATION	EA	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	1
IRRIGATION CONTROLLER		12 STATION	EA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1
IRRIGATION CONTROLLER	CEC	SINGLE	EA	-	-	-	-	-	1	-	-	-	-	1	-	-	-	-	1	-	-	1	-	-	4
IRRIGATION CONTROLLER	CEC	DOUBLE	EA	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	1
VALVES AND ASSEMBLIES	RCVM	2"	EA	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	1	-	-	2
VALVES AND ASSEMBLIES	RCV	1"	EA	-	-	-	-	-	4	-	-	-	1	2	4	-	-	-	2	-	-	11	-	-	24
VALVES AND ASSEMBLIES	RCV	1½"	EA	-	-	-	-	4	14	-	-	-	5	6	4	-	-	6	6	-	-	7	-	-	52
VALVES AND ASSEMBLIES	RCV	2"	EA	-	-	-	-	-	1	-	-	-	8	-	2	-	5	-	2	-	-	5	1	-	24
VALVES AND ASSEMBLIES	GV	2"	EA	-	-	-	-	-	-	-	-	-	-	-	3	-	-	-	-	-	-	1	-	-	4
VALVES AND ASSEMBLIES	GV	4"	EA	-	-	-	-	-	7	-	-	-	4	-	2	-	1	1	2	-	-	1	-	-	18
VALVES AND ASSEMBLIES	BV	2"	EA	-	-	-	-	1	4	-	-	-	2	2	3	-	1	1	2	-	-	10	1	-	27
VALVES AND ASSEMBLIES	PRV	2"	EA	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	1
VALVES AND ASSEMBLIES	CARV	1"	EA	-	-	-	-	1	-	-	-	-	-	1	-	-	-	-	1	-	-	-	1	-	4
PLASTIC PIPE SUPPLY LINE	PR 200	1"	LF	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
PLASTIC PIPE SUPPLY LINE	PR 200	1½"	LF	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
PLASTIC PIPE SUPPLY LINE	PR 200	2"	LF	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
PLASTIC PIPE SUPPLY LINE	PR 200	2½"	LF	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
PLASTIC PIPE SUPPLY LINE	PR 200	4"	LF	-	-	-	-	370	795	555	545	610	700	585	590	585	435	585	755	-	-	470	-	-	7580
PLASTIC PIPE SUPPLY LINE	PR 315	2"	LF	-	-	-	-	-	30	-	-	-	-	120	470	-	-	-	-	-	-	358	-	-	978
PLASTIC PIPE SUPPLY LINE	PR 315	2½"	LF	-	-	-	-	20	85	-	-	-	100	220	615	-	40	45	100	-	-	490	140	-	1855

TOTAL QUANTITIES

TOTALS	UNIT	DESCRIPTION		
1	EA	2"		BPA
1	EA	ENCLOSURE		BPA
1	EA	FIELD UNIT 'R'		IRRIGATION CONTROLLER
1	EA	FIELD UNIT 'S'		IRRIGATION CONTROLLER
1	EA	FIELD UNIT 'T'		IRRIGATION CONTROLLER
1	EA	FIELD UNIT 'U'		IRRIGATION CONTROLLER
1	EA	8 STATION		IRRIGATION CONTROLLER
1	EA	12 STATION		IRRIGATION CONTROLLER
4	EA	SINGLE	CEC	IRRIGATION CONTROLLER
1	EA	DOUBLE	CEC	IRRIGATION CONTROLLER
2	EA	2"	RCVM	VALVES AND ASSEMBLIES
24	EA	1"	RCV	VALVES AND ASSEMBLIES
52	EA	1½"	RCV	VALVES AND ASSEMBLIES
24	EA	2"	RCV	VALVES AND ASSEMBLIES
4	EA	2"	GV	VALVES AND ASSEMBLIES
18	EA	4"	GV	VALVES AND ASSEMBLIES
27	EA	2"	BV	VALVES AND ASSEMBLIES
1	EA	2"	PRV	VALVES AND ASSEMBLIES
4	EA	1"	CARV	VALVES AND ASSEMBLIES
37,540	LF	1"	PR 200	PLASTIC PIPE SUPPLY LINE
14,630	LF	1½"	PR 200	PLASTIC PIPE SUPPLY LINE
11,070	LF	2"	PR 200	PLASTIC PIPE SUPPLY LINE
9840	LF	2½"	PR 200	PLASTIC PIPE SUPPLY LINE
7580	LF	4"	PR 200	PLASTIC PIPE SUPPLY LINE
978	LF	2"	PR 315	PLASTIC PIPE SUPPLY LINE
1855	LF	2½"	PR 315	PLASTIC PIPE SUPPLY LINE
131	EA	A-1		SPRINKLER TYPE
111	EA	A-5		SPRINKLER TYPE
663	EA	B-2		SPRINKLER TYPE
4679	EA	C-2		SPRINKLER TYPE

ABBREVIATIONS

BPA — backflow preventer assembly
BV — ball valve
CV — check valve
CEC — controller enclosure cabinet
CSP — corrugated steel pipe
DIP — ductile iron pipe
EA — each
FAU — filter assembly unit
FCV — flow control valve
FS — flow sensor
FV — flush valve
GSP — galvanized steel pipe
GV — gate valve
MCV — manual control valve
Ft — foot/feet
PR — pressure rated
PRV — pressure reducing valve
PRLV — pressure relief valve
QCV — quick coupling valve
RCV — remote control valve
RCVM — remote control valve (master)
VAU — valve assembly unit
WSP — welded steel pipe
WS — wye strainer

2 **REVISED PER ADDENDUM No. 2 DATED APRIL 20, 2010**

IRRIGATION QUANTITIES
IQ-3

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® LANDSCAPE ARCHITECTURE
SENIOR LANDSCAPE ARCHITECT: D J REEVES
CALCULATED-DESIGNED BY: J JACKSON
CHECKED BY: D EMERSON
REVISED BY
DATE REVISED

LAST REVISION: 09-01-09
DATE PLOTTED => 15-APR-2010
TIME PLOTTED => 13:53