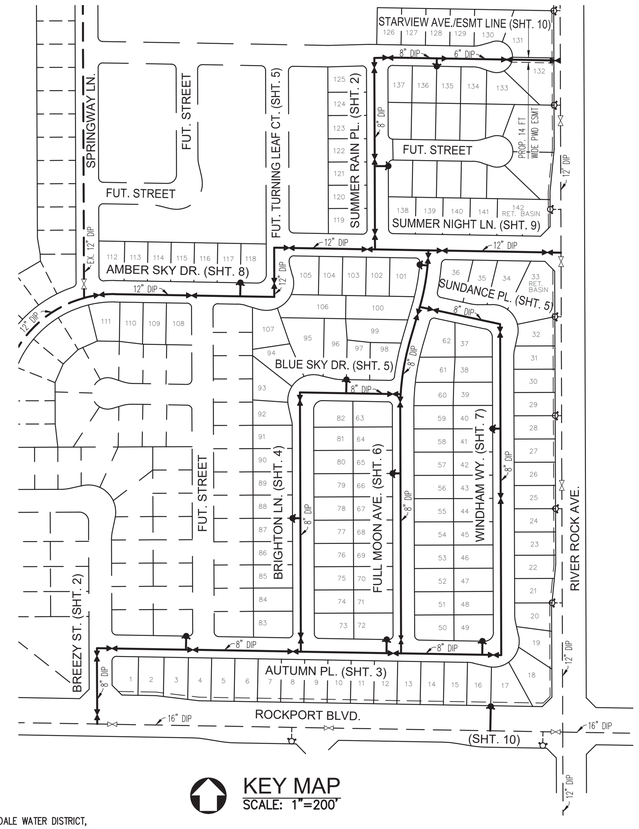
WATER SYSTEM QUANTITIES

DESCRIPTION	SHT 2	SHT 3	SHT 4	SHT 5	SHT 6	SHT 7	SHT 8	SHT 9	SHT 10	TOTAL	UNITS
12" D.I. PIPE, CL350, DCML		1130		138			535	802		1475	LF
8" D.I. PIPE, CL350, DCML.	747		725	511	1135	925			176	5462	LF
6" D.I. PIPE, CL350, DCML.									355	355	LF
3/4" METERED SVC PER PWD STD W-1	7	17	21	9	24	29	13	9	12	141	EA
1" METERED IRR. SVC PER PWD STD W-1 WITH APPROVED BACKFLOW DEVICE						1		1		2	EA
12" FLG'D BUTTERFLY VALVE, CL150, W/ VALVE BOX PER P.W.D. STD. W-5				1			2	4		7	EA
12" FLG'D TEE, D.I., CL350, DCML								1		1	EA
8" FLG'D GATE VALVE, CL150, W/VALVE BOX PER P.W.D. STD. W-5	4	5	2	2	4	2			1	20	EA
8" FLG'D TAPPING VALVE, CL150, W/ VALVE BOX PER P.W.D. STD. W-5	1								1	2	EA
6" FLG'D GATE VALVE, CL150, W/VALVE BOX PER P.W.D. STD. W-5									1	1	EA
6" FLG'D TAPPING VALVE, CL150, W/ VALVE BOX PER P.W.D. STD. W-5									1	1	EA
16" X 8" MUELLER H-615 TAPPING SLEEVE	1								1	2	EA
8" MJ X FLG TEE, D.I., CL350 DCML	1									1	EA
12" X 6" MUELLER H-615 TAPPING SLEEVE									1	1	EA
12" X 8" MJ TEE, D.I., CL350, DCML							1	2		3	EA
12" X 6" MJ X FLG TEE, D.I., CL350, DCML							1			1	EA
12" MJ TEE, D.I., CL350, DCML				1						1	EA
8" MJ TEE, D.I., CL350, DCML		3			3				1	7	EA
8" X 6" MJ X FLG TEE, D.I., CL350, DCML	1	3	1	1	2	1				9	EA
8" X 6" MJ TEE, D.I., CL350, DCML	1									1	EA
8" X 6" FLG'D TEE, D.I., CL350, DCML									1	1	EA
12" MJ 90° ELBOW, D.I., CL350, DCML				1						1	EA
8" MJ 90° ELBOW, D.I., CL350, DCML		1	1							2	EA
8" MJ X FLG 45° ELBOW, D.I., CL 350, DCML		1				1				2	EA
8" MJ X FLG 11-1/4° ELBOW, D.I., CL 350, DCML						1				1	EA
8" FLG'D 22-1/2° ELBOW, D.I., CL350, DCML						1				1	EA
6" MJ 22-1/2° ELBOW, D.I., CL350, DCML									2	2	EA
12" MJ X FLG ADAPTER, D.I., CL350, DCML				2			4	7		13	EA
8" MJ X FLG ADAPTER, D.I., CL350, DCML	9	10	4	4	8	4			2	41	EA
6" MJ X FLG ADAPTER, D.I., CL350, DCML									3	3	EA
8" X 6" FLG X MJ REDUCER, D.I., CL350, DCML									1	1	EA
12" MJ PLUG				1						1	EA
8" MJ PLUG	1	1					1		1	4	EA
6" MJ PLUG	1									1	EA
12" TEST PLATE								1		1	EA
8" TEST PLATE	1									1	EA
6" TEST PLATE									1	1	EA
1" AIR/VAC PER P.W.D. STD W-16.	1								1	2	EA
8" X 6" MJ 90° REDUCING ELBOW, D.I., CL350, DCML									1	1	EA
6" X 4" X 2-1/2" FIRE HYDRANT COMPLETE PER PWD STD. W-2A.	1	3	1	1	2	1	1		2	12	EA
8" MJ 45° ELBOW, D.I., CL 350, DCML		1							1	1	EA
CONCRETE THRUST BLOCK PER P.W.D. W-4	AS REQUIRED										



KEY MAP
SCALE: 1"=200'

GENERAL NOTES

1. WATER SYSTEM TO BE CONSTRUCTED PER PALMDALE WATER DISTRICT (PWD) STANDARD SPECIFICATIONS, LATEST REVISION. COPIES OF SAID SPECIFICATIONS ARE ON FILE AT BOTH PALMDALE WATER DISTRICT, 2029 EAST AVE Q. PALMDALE, CA 93550, AND AT THE OFFICE OF THE CITY ENGINEER AT THE CITY HALL PUBLIC SERVICE BUILDING, 38250 SIERRA HIGHWAY, PALMDALE, CA 93550.
2. THE CONTRACTOR SHALL NOTIFY PALMDALE WATER DISTRICT IN WRITING AT 2029 EAST AVENUE Q, PALMDALE, CA 93550 (661-947-4111) AND THE CITY ENGINEER (661-267-5272) AT LEAST 48 HOURS BEFORE STARTING ANY WATER SYSTEM CONSTRUCTION TO BE PERFORMED HEREUNDER.
3. THE CONTRACTOR IS REQUIRED TO OBTAIN CITY AND COUNTY PUBLIC ROAD AND CALTRANS ENCROACHMENT PERMITS FOR WATER SYSTEM FACILITES.
   ALL EXCAVATIONS FOR WATER SYSTEM CONTRUCTION SHALL BE BACKFILLED, COMPACTED AND FINISHED IN ACCORDANCE WITH THE REQUIREMENTS OF THE APPLICABLE PERMIT.
   THE MINIMUM COMPACTION REQUIREMENTS FOR ANY EXCAVATION ARE: 90% RELATIVE COMPACTION FROM SUBGRADE TO THE BOTTOM OF EXCAVATION,
   CONTRACTOR SHALL SUBMIT TO THE PALMDALE WATER DISTRICT COMPACTION REPORTS FROM A CERTIFIED SOILS LABORATORY CONFIRMING TRENCH COMPACTION. A MINIMUM OF _____ TEST(S) SHALL BE CONDUCTED.
4. THE CONTRACTOR SHALL CONTACT ALL OTHER UTILITIES INCLUDING SBC (805) 583-6585, SOUTHERN CALIFORNIA EDISON (661) 945-9317, SOUTHERN CALIFORNIA GAS (818) 353-8511, AND ADELPHIA (661)273-1890 FOR LOCATIONS OF THEIR EXISTING AND PROPOSED FACILITIES PRIOR TO EXCAVATIONS IN THIS AREA.
5. THE PLAN CHECK DEPOSIT FOR THIS PROJECT IS $_____, THIS FEE MUST BE PAID TO THE DISTRICT PRIOR TO PLAN CHECK ACTIVITY.
6. THE INSPECTION DEPOSIT FOR THIS PROJECT IS $_____, THIS AMOUNT MUST BE PAID TO THE DISTRICT BEFORE BEGINNING CONSTRUCTION ACTIVITY.
7. THE FORESTER AND THE FIRE WARDEN HAVE REQUIRED THAT THE FIRE FLOW FOR PUBLIC HYDRANTS FOR THIS PROJECT BE____GPM. THE REQUIRED FIRE FLOW FOR PRIVATE ON-SITE HYDRANTS IS____GPM. FIRE FLOW SHALL BE OVER AND ABOVE MAXIMUM DAILY DOMESTIC DEMAND FOR A DURATION OF _ HOURS AT A MINIMUM PRESSURE OF 20 PSI.
8. THE FRONT FOOTAGE FEE FOR TRACT 71770 IS $_____, THE ASSESSMENT PARITY CHARGES ARE $_____, THE CAPITAL IMPROVEMENT CHARGE FOR THIS PROJECT IS $_____, THESE AMOUNTS MUST BE PAID TO THE DISTRICT PRIOR TO BEGINNING ANY CONSTRUCTION ACTIVITY.
9. IF CHANGES TO THESE CONSTRUCTION PLANS ARE REQUIRED DUE TO FIELD CONDITIONS WHICH ARE NOT SHOWN ON THE PLANS, SUCH PROPOSED CHANGES SHALL BE SUBMITTED BY THE ENGINEER OF RECORD FOR REVIEW BY THE DISTRICT PRIOR TO CONSTRUCTION.
10. METERS ARE TO BE PURCHASED THROUGH PALMDALE WATER DISTRICT.
11. AS-BUILT DRAWINGS MUST BE SUBMITTED TO THE DISTRICT PRIOR TO THE ISSUANCE OF A FIRE LETTER.
12. THE DEVELOPER IS REQUIRED TO APPLY FOR WATER SERVICE FOR ALL PROPERTIES SHOWN HEREON PRIOR TO ACTIVATION OF THE PROJECT WATER SYSTEM. ALL SERVICES WILL BE BILLED IN ACCORDANCE WITH PALMDALE WATER DISTRICT POLICIES AND REGULAR RATES FROM THE SYSTEM ACTIVATION DATE.

GENERAL NOTES

1. FITTINGS REFLECT THE USE OF DUCTILE IRON PIPE. IF AN ALTERNATIVE PIPE IS USED, THE FITTINGS MUST REFLECT THE USE OF SAID PIPE.
2. ALL MJ FITTINGS REQUIRE THE USE OF RETAINING GLANDS.
3. ALL BRANCH AND RUN FITTINGS TO BE RESTRAINED BY HARNESS SYSTEM PER P.W.D. STD. W-18-23.
4. CONTRACTOR SHALL PROVIDE ALL MATERIALS, LABOR, AND EQUIPMENT FOR TESTING, FLUSHING, AND DISINFECTION OF PIPELINE. BLOW-OFFS TO BE PLUGGED WITH SOLID IRON PLUG AFTER TIE-IN.
5. PROPOSED WATER MAIN SHALL MAINTAIN A MINIMUM OF 48" COVER FROM ANY PROPOSED OR FUTURE T.C. GRADE. WHERE EXISTING GRADE FALLS BELOW FUTURE T.C. GRADE, CONTRACTOR TO PROVIDE COMPACTED FILL TO MAINTAIN A MINIMUM 48" OF COVER AT FUTURE T.C. GRADE A MINIMUM OF TEN FEET (10') EITHER SIDE OF PROPOSED MAINLINE PRIOR TO INSTALLATION OF MAIN.
6. CONTRACTOR TO POTHOLE ALL UTILITY CROSSINGS AND TIE-IN POINTS PRIOR TO CONSTRUCTION TO VERIFY LOCATION, DEPTH, AND CONFIGURATION OF EXISTING FACILITIES.
7. PRESSURE REGULATORS ARE REQUIRED FOR ALL SERVICES WHERE SYSTEM PRESSURE MEETS OR EXCEEDS 80 PSI. REGULATORS TO BE INSTALLED BY THE DEVELOPER AND MAINTAINED BY THE PROPERTY OWNER.
8. NEW SERVICES ARE SHOWN AT APPROXIMATE LOCATIONS. ULTIMATE LOCATIONS WILL BE FIELD DETERMINED BY DISTRICT INSPECTORS.
9. ALL AFFECTED CUSTOMERS MUST BE NOTIFIED A MINIMUM OF 24 HOURS IN ADVANCE OF DOWN TIME. DOWN TIME NOT TO EXCEED 4 HOURS.
10. ALL SALVAGEABLE FITTINGS SHALL BE RETURNED TO PWD YARD.
11. ALL TIE-INS AND SHUTDOWNS INVOLVING EXISTING SYSTEM WILL BE COORDINATED WITH AND PERFORMED UNDER P.W.D. SUPERVISION.

NOTE: STATIONING SHOWN ON THESE PLANS IS RELATIVE TO STREET CENTERLINE SHOWN ON STREET IMPROVEMENT PLANS

BENCH MARK

PALMDALE QUAD

BM _____ El. _____ NAVD 88 1998 Adjustment

DESCRIPTION

UNDERGROUND UTILITIES

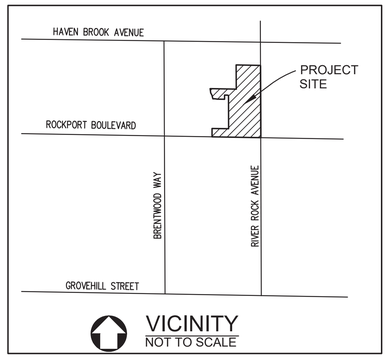
BEFORE STARTING EXCAVATION, THE CONTRACTOR SHOULD CONTACT:

THE GENERAL TELEPHONE COMPANY,
UNDERGROUND SERVICE ALERT
TELEPHONE: 1-800-422-4133

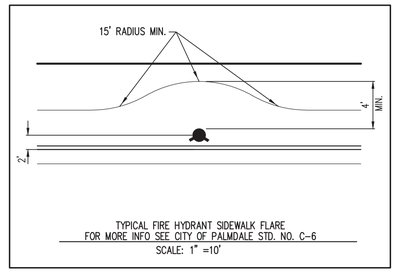
THE SOUTHERN CALIFORNIA EDISON COMPANY
MR DAVE RUPP
TELEPHONE: 1-661-945-9335

SBC
UNDERGROUND SERVICE ALERT
TELEPHONE: 510-645-2929

THE SOUTHERN CALIFORNIA GAS COMPANY
MR. PHIL CHURCH
TELEPHONE: 1-661-948-1526



VICINITY
NOT TO SCALE



TYPICAL FIRE HYDRANT SIDEWALK FLARE
FOR MORE INFO SEE CITY OF PALMDALE STD. NO. C-6
SCALE: 1" =10'

LEGEND

WATER

	PROPOSED	EXISTING OR PROPOSED PER OTHER SHEET	FUTURE
WATER MAIN			
TEE			
CROSS			
ELBOW			
REDUCER			
GATE VALVE OR BUTTERFLY VALVE			
DOMESTIC SERVICE CONNECTION AND WATER METER			
AIR AND VACUUM RELEASE ASS'Y			
TEMPORARY BLOWOFF ASS'Y			
FIRE HYDRANT			

UTILITIES AND STREET IMPROVEMENTS

	PROPOSED	EXISTING	FUTURE
SEWER AND MANHOLE	SS	SS	
STORM DRAIN	SD	SD	SD
GAS LINE	G	G	
TELEPHONE	TEL	TEL	
STREET CENTER LINE			
PROPERTY LINE			
RIGHT OF WAY LINE			
A.C. PAVING			
CURB, GUTTER, AND SIDEWALK			
DRIVEWAY	N	N	N
STREET LIGHT			
EXIST. GROUND OVER C/L OF WATER MAIN			

	RECORD RCE		REVISIONS BLOCK	PWD	
NO.	BY	DATE	REVISION DESCRIPTION	APPR.	DATE
△					

DEVELOPER INFO
NAME, ADDRESS, PHONE

REGISTERED CIVIL ENGINEER STAMP

ENGINEERING FIRM INFORMATION
NAME, ADDRESS, PHONE, FAX, ETC.

NAME DATE

PALMDALE WATER DISTRICT

APPROVED BY:

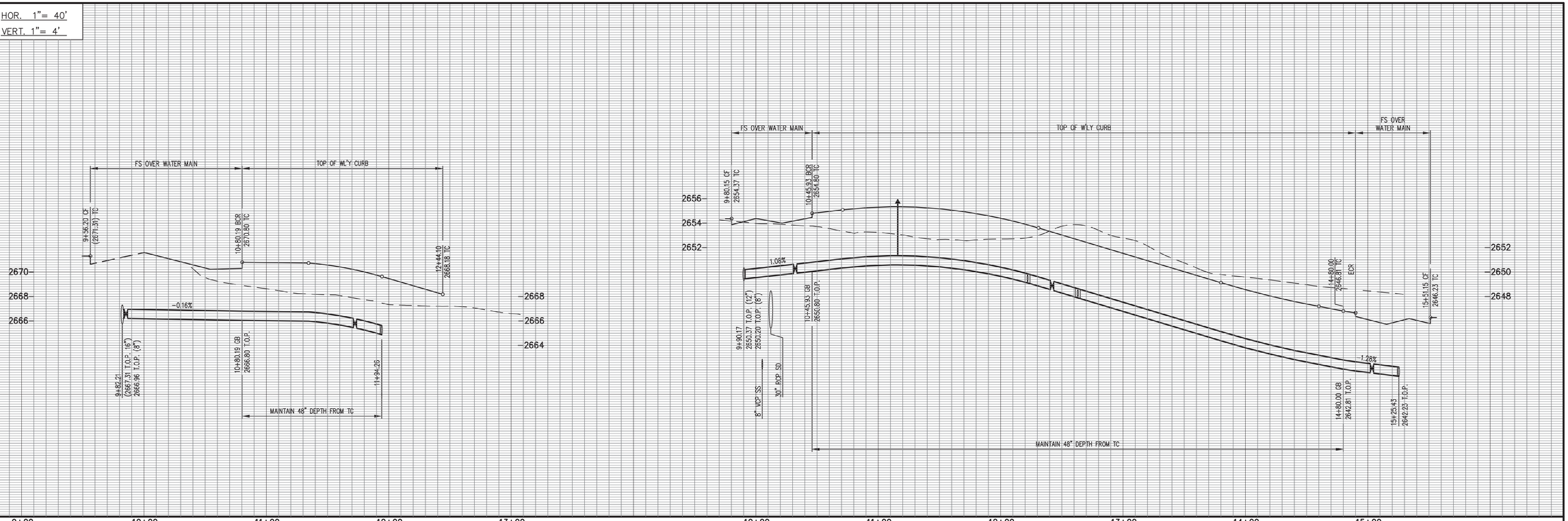
PALMDALE WATER DISTRICT DATE

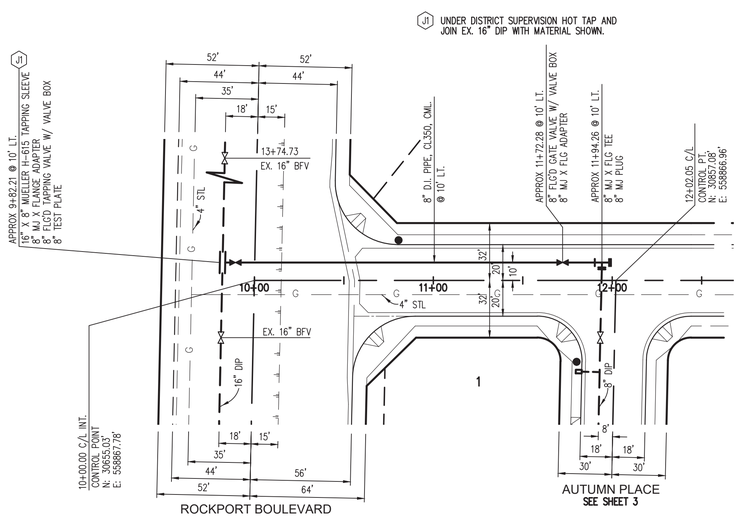
WATER SYSTEM IMPROVEMENTS

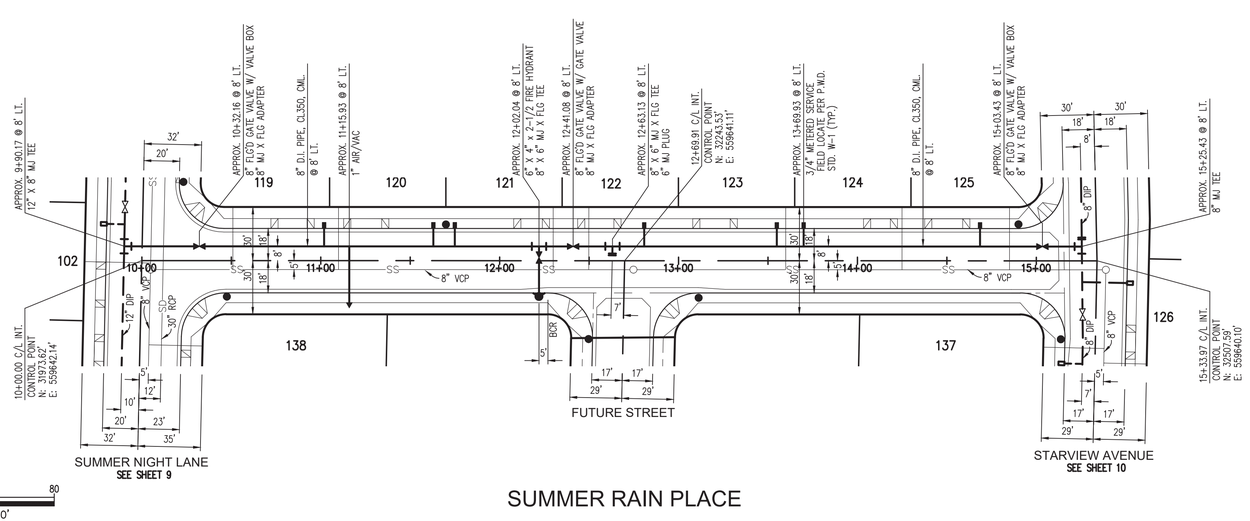
TRACT 71770
MATERIAL LIST, GENERAL NOTES, KEY MAP, VICINITY MAP, BENCH MARK, LEGEND

WSM NO. 46-87	TRACT 71770	SHEET: 1 OF 10

SCALE: HOR. 1"= 40'
VERT. 1"= 4'







40 20 0 40 80
GRAPHIC SCALE: 1"=40'

	RECORD RCE		REVISIONS BLOCK	PWD	
NO.	BY	DATE	REVISION DESCRIPTION	APPR.	DATE
△					

DEVELOPER INFO
NAME, ADDRESS, PHONE

REGISTERED CIVIL ENGINEER STAMP

ENGINEERING FIRM INFORMATION
NAME, ADDRESS, PHONE, FAX, ETC.

NAME DATE

PALMDALE WATER DISTRICT
APPROVED BY:

PALMDALE WATER DISTRICT DATE

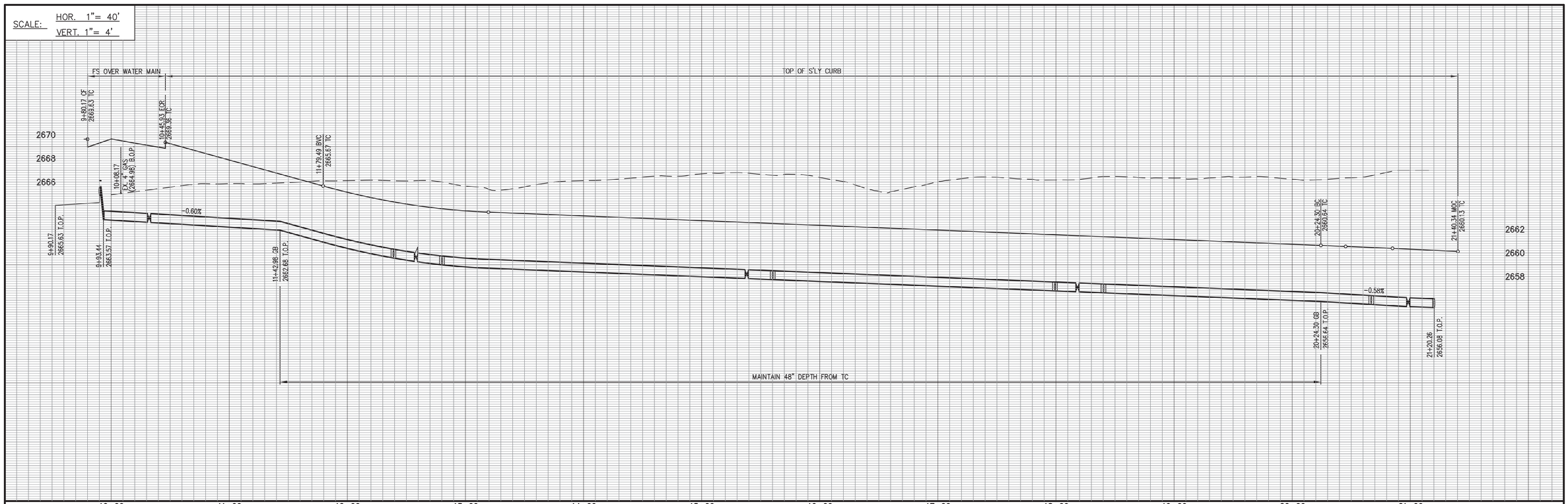
WATER SYSTEM IMPROVEMENTS

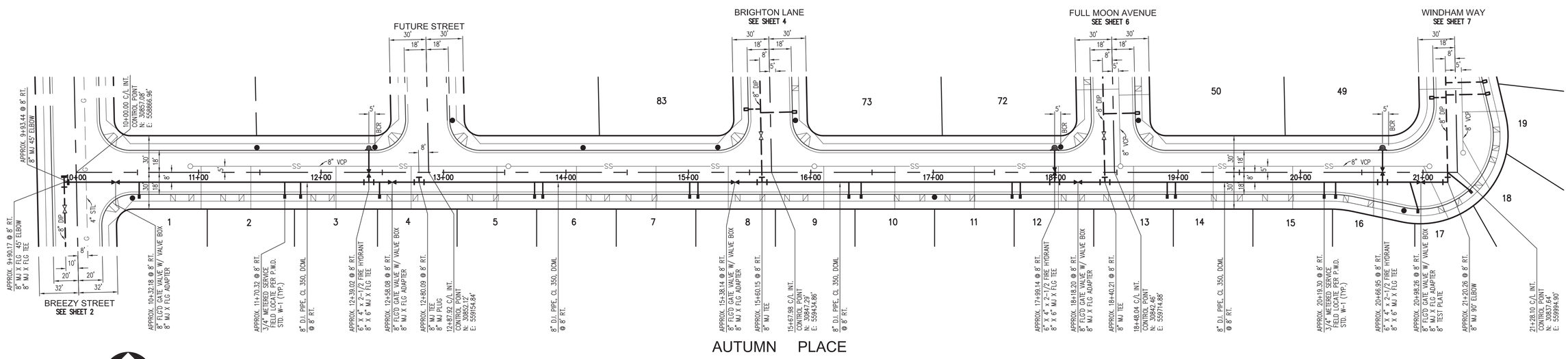
BREEZY STREET FROM 9+82.21 TO 11+94.26

SUMMER RAIN PLACE FROM 9+90.17 TO 15+25.43

WSM NO. 46-87 | TRACT 71770 | SHEET: 2 OF 10

SCALE: HOR. 1"= 40'
VERT. 1"= 4'





40 20 0 40 80
GRAPHIC SCALE: 1"=40'

	RECORD RCE		REVISIONS BLOCK	PWD	
NO.	BY	DATE	REVISION DESCRIPTION	APPR.	DATE
△					

DEVELOPER INFO
NAME, ADDRESS, PHONE

REGISTERED CIVIL ENGINEER STAMP

ENGINEERING FIRM INFORMATION
NAME, ADDRESS, PHONE, FAX, ETC.

NAME DATE

PALMDALE WATER DISTRICT

APPROVED BY:

PALMDALE WATER DISTRICT DATE

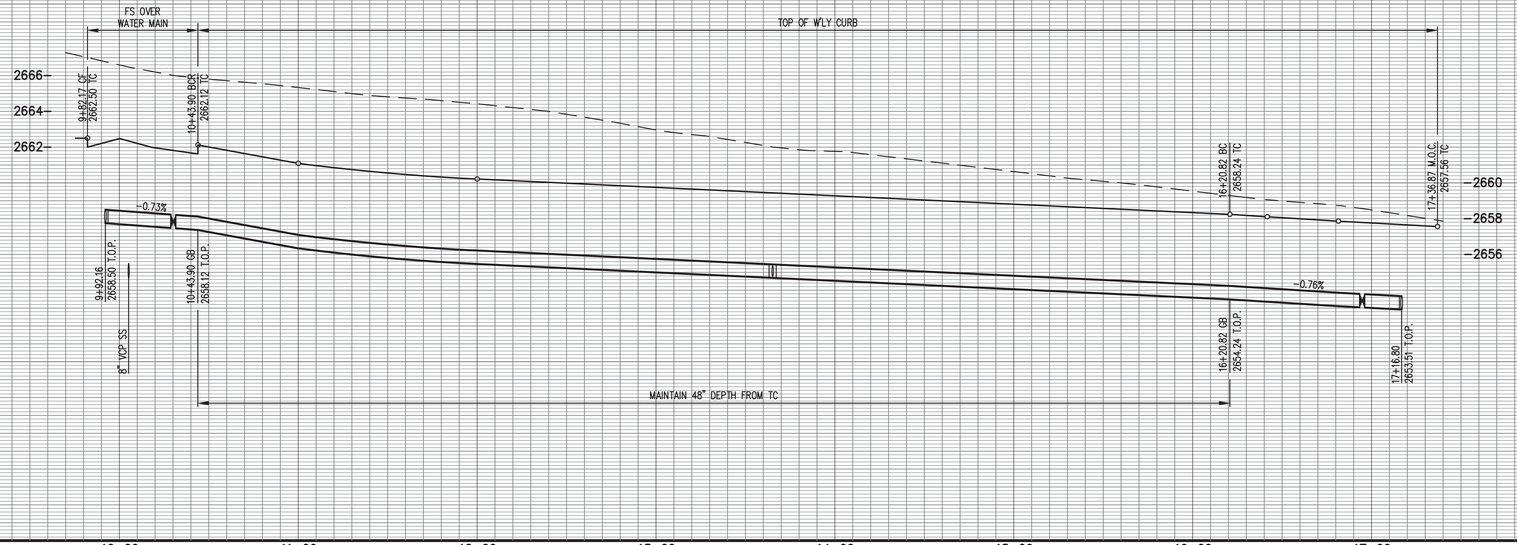
WATER SYSTEM IMPROVEMENTS

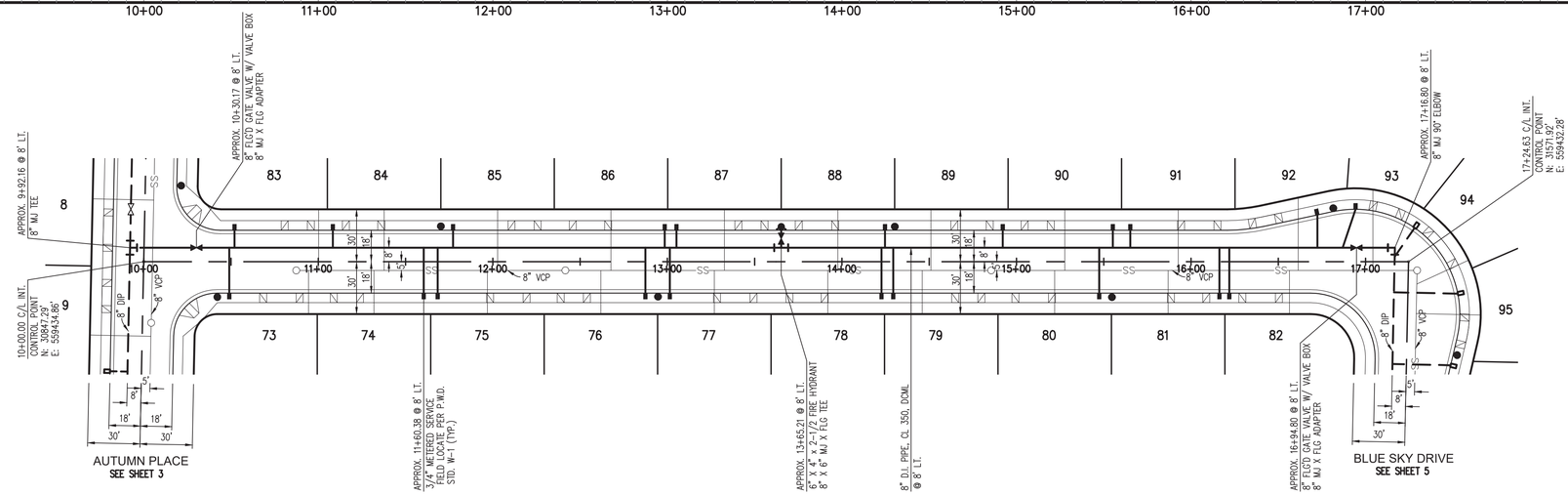
AUTUMN PLACE

FROM 9+90.17 TO 21+20.26

WSM NO. 46-87 | TRACT 71770 | SHEET: 3 OF 10

SCALE: HOR. 1"= 40'
VERT. 1"= 4'





BRIGHTON LANE

40 20 0 40 80
GRAPHIC SCALE: 1"=40'

	RECORD RCE		REVISIONS BLOCK	PWD	
NO.	BY	DATE	REVISION DESCRIPTION	APPR.	DATE
△					

DEVELOPER INFO
NAME, ADDRESS, PHONE

REGISTERED CIVIL ENGINEER STAMP

ENGINEERING FIRM INFORMATION
NAME, ADDRESS, PHONE, FAX, ETC.

NAME DATE

PALMDALE WATER DISTRICT

APPROVED BY:

PALMDALE WATER DISTRICT DATE

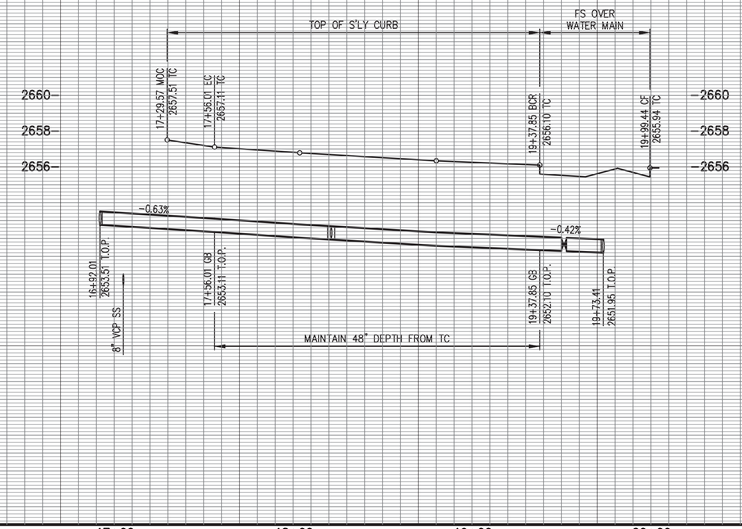
WATER SYSTEM IMPROVEMENTS

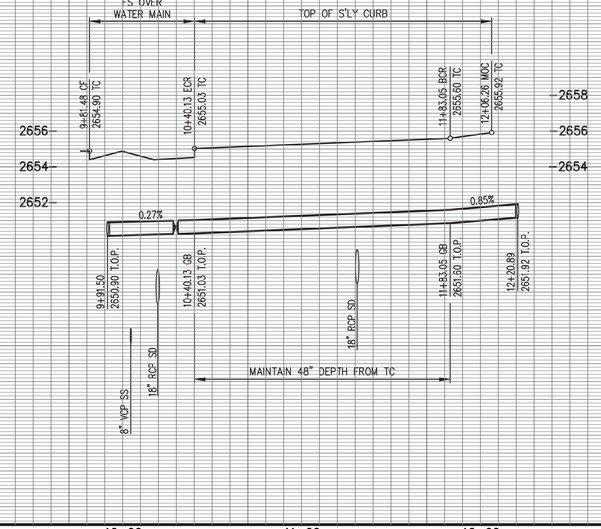
BRIGHTON LANE

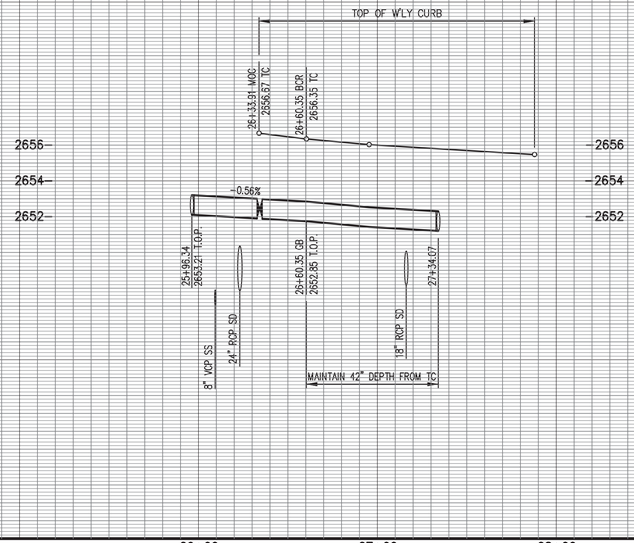
FROM 9+92.16 TO 17+16.80

WSM NO. 46-87 | TRACT 71770 | SHEET: 4 OF 10

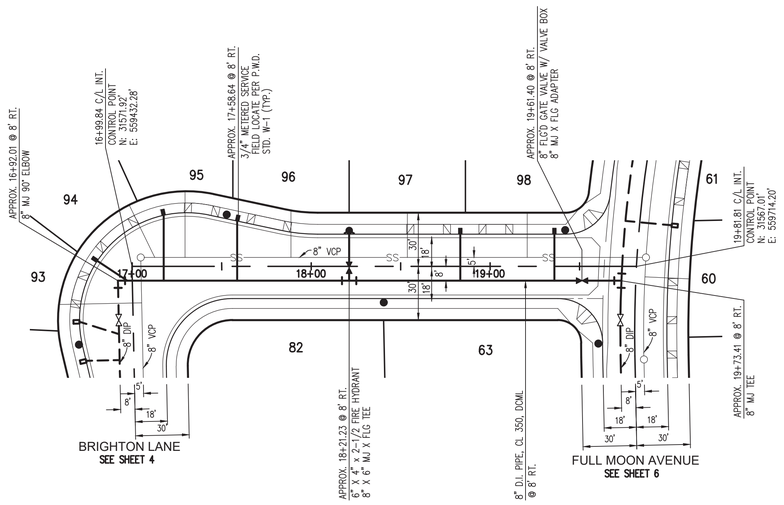
SCALE: HOR. 1"= 40'
VERT. 1"= 4'



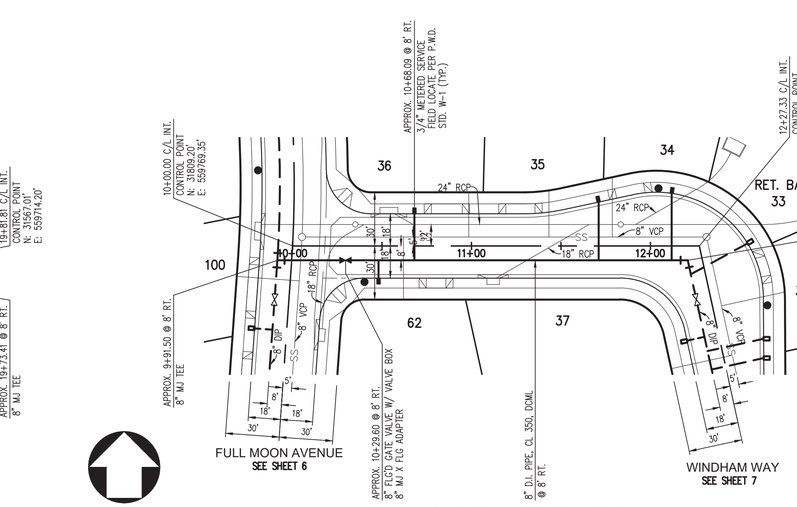




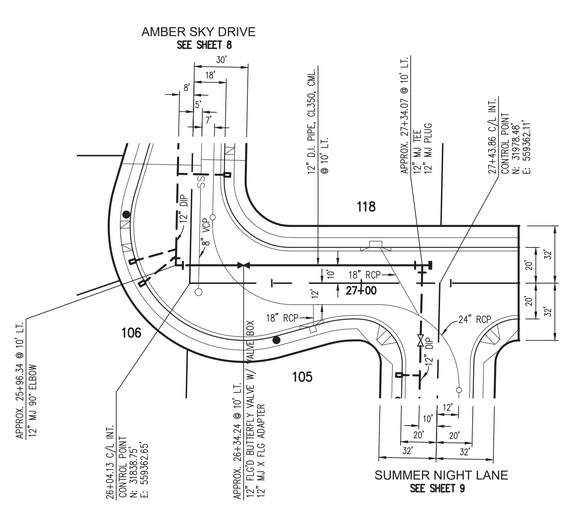
17+00 18+00 19+00 20+00 10+00 11+00 12+00 26+00 27+00 28+00



BLUE SKY DRIVE



SUNDANCE PLACE



TURNING LEAF COURT

40 20 0 40 80
GRAPHIC SCALE: 1"=40'

	RECORD RCE		REVISIONS BLOCK	PWD	
NO.	BY	DATE	REVISION DESCRIPTION	APPR.	DATE
△					

DEVELOPER INFO
NAME, ADDRESS, PHONE

REGISTERED CIVIL ENGINEER STAMP

ENGINEERING FIRM INFORMATION
NAME, ADDRESS, PHONE, FAX, ETC.

NAME DATE

PALMDALE WATER DISTRICT

APPROVED BY:

PALMDALE WATER DISTRICT DATE

WATER SYSTEM IMPROVEMENTS

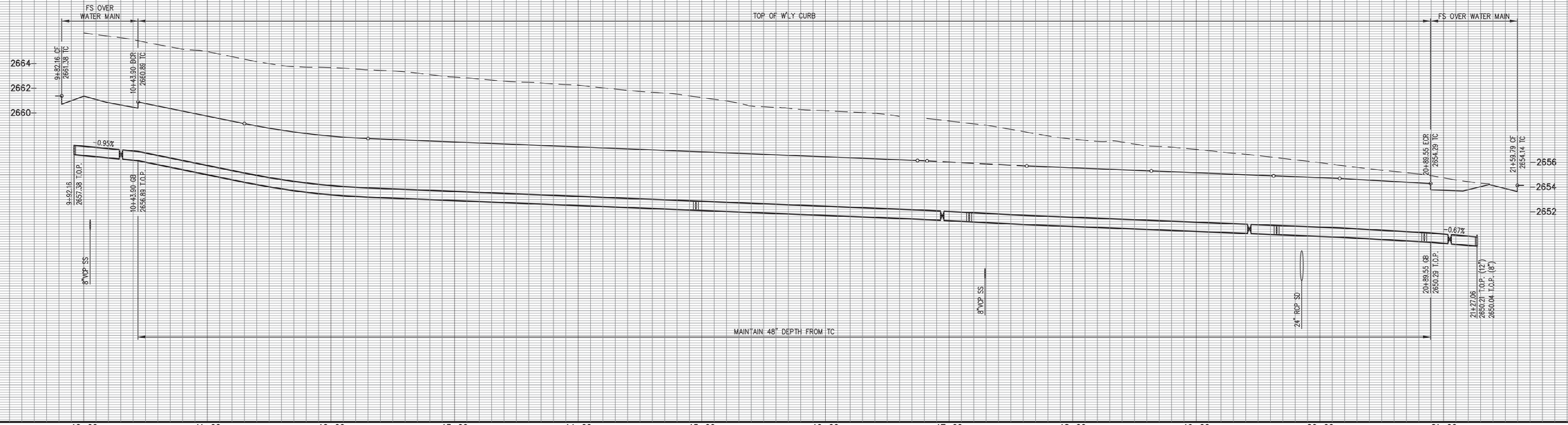
BLUE SKY DRIVE
FROM 16+92.01 TO 19+73.41

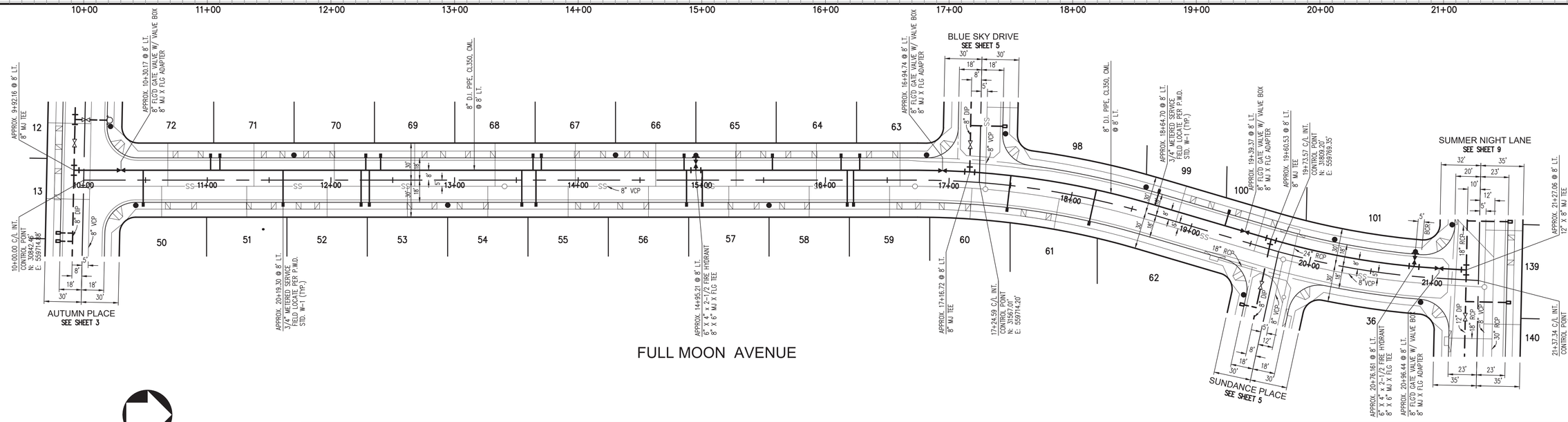
SUNDANCE PLACE
FROM 9+91.50 TO 12+20.89

TURNING LEAF COURT
FROM 25+96.34 TO 27+34.07

WSM NO. 46-87 | TRACT 71770 | SHEET: 5 OF 10

SCALE: HOR. 1"= 40'
VERT. 1"= 4'





40 20 0 40 80
GRAPHIC SCALE: 1"=40'

	RECORD RCE		REVISIONS BLOCK	PWD	
NO.	BY	DATE	REVISION DESCRIPTION	APPR.	DATE
△					

DEVELOPER INFO
NAME, ADDRESS, PHONE

REGISTERED CIVIL ENGINEER STAMP

ENGINEERING FIRM INFORMATION
NAME, ADDRESS, PHONE, FAX, ETC.

NAME DATE

PALMDALE WATER DISTRICT

APPROVED BY:

PALMDALE WATER DISTRICT DATE

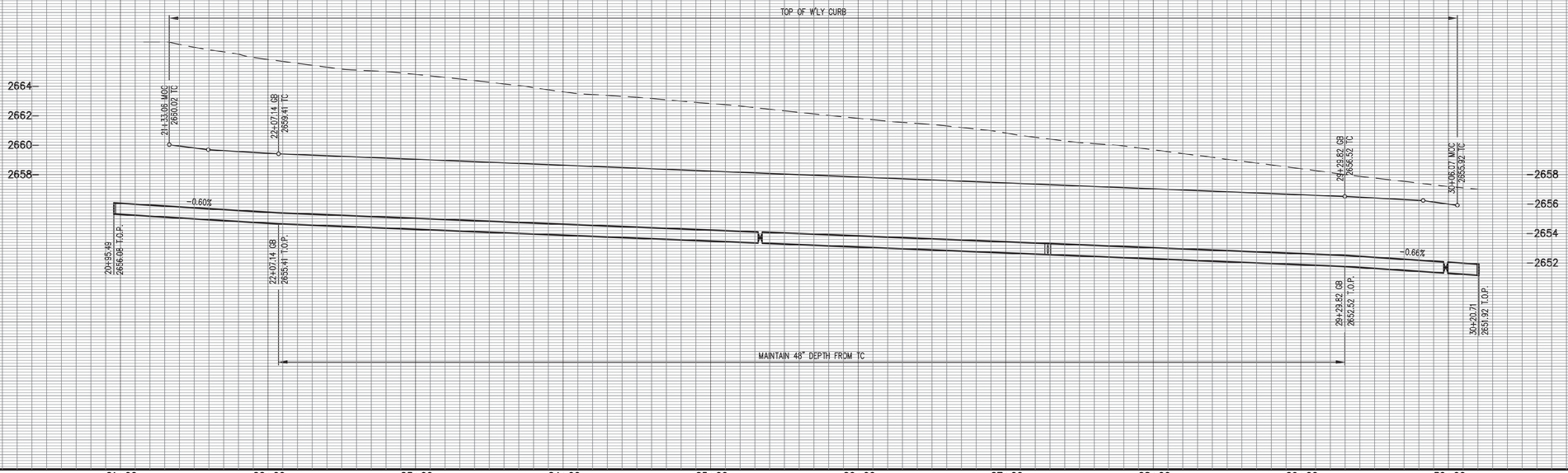
WATER SYSTEM IMPROVEMENTS

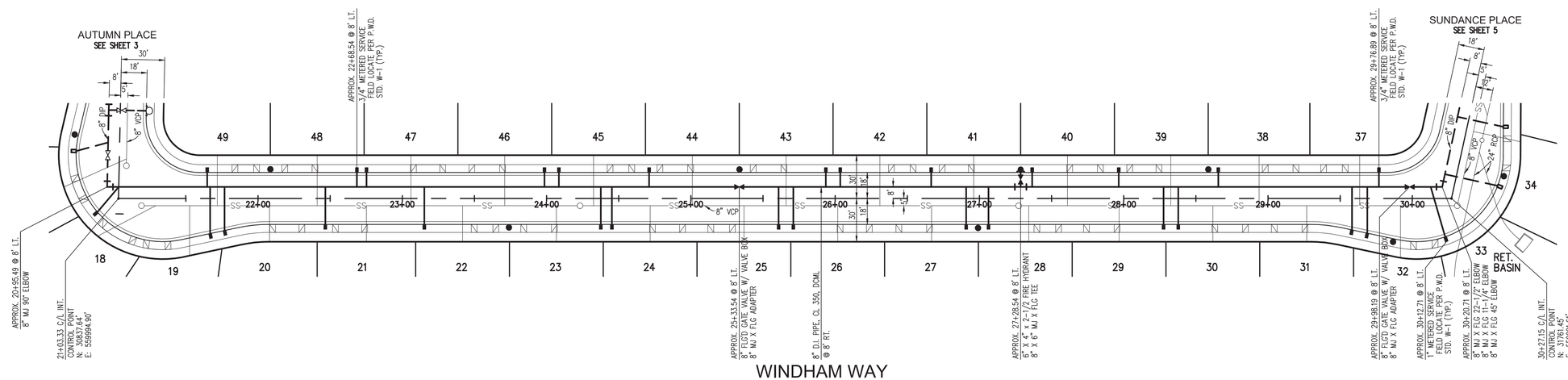
FULL MOON AVENUE

FROM 9+92.16 TO 21+27.06

WSM NO. 46-87 | TRACT 71770 | SHEET: 6 OF 10

SCALE: HOR. 1"= 40'
VERT. 1"= 4'





40 20 0 40 80
GRAPHIC SCALE: 1"=40'

	RECORD RCE		REVISIONS BLOCK	PWD	
NO.	BY	DATE	REVISION DESCRIPTION	APPR.	DATE
△					

DEVELOPER INFO
NAME, ADDRESS, PHONE

REGISTERED CIVIL ENGINEER STAMP

ENGINEERING FIRM INFORMATION
NAME, ADDRESS, PHONE, FAX, ETC.

NAME DATE

PALMDALE WATER DISTRICT

APPROVED BY:

PALMDALE WATER DISTRICT DATE

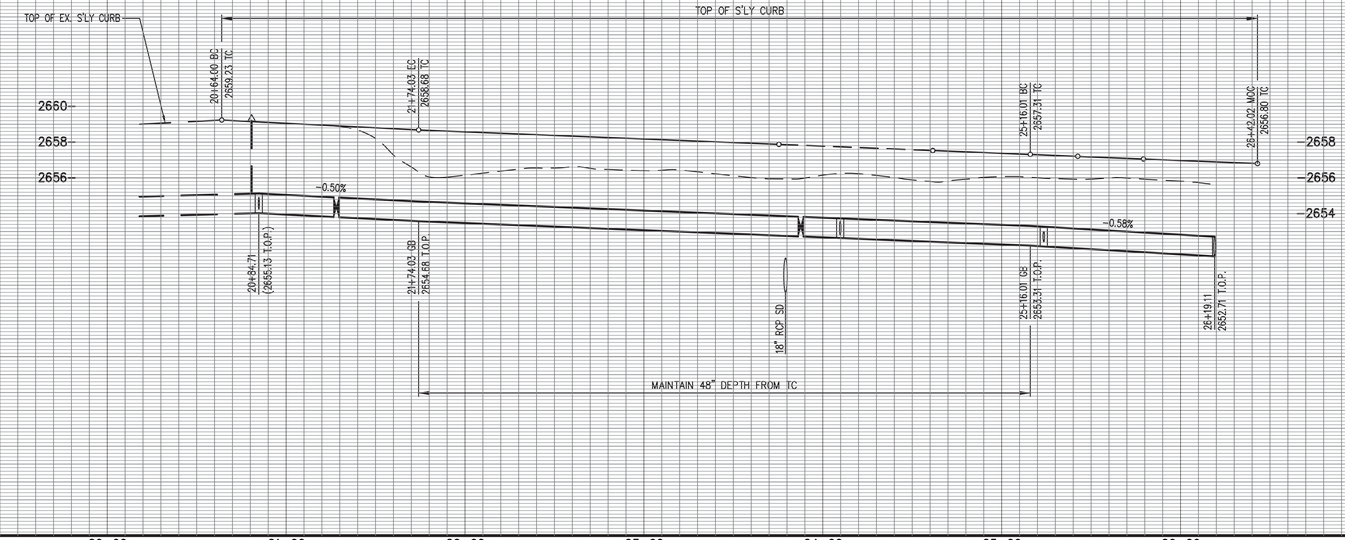
WATER SYSTEM IMPROVEMENTS

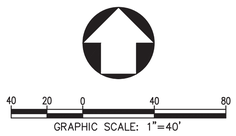
WINDHAM WAY

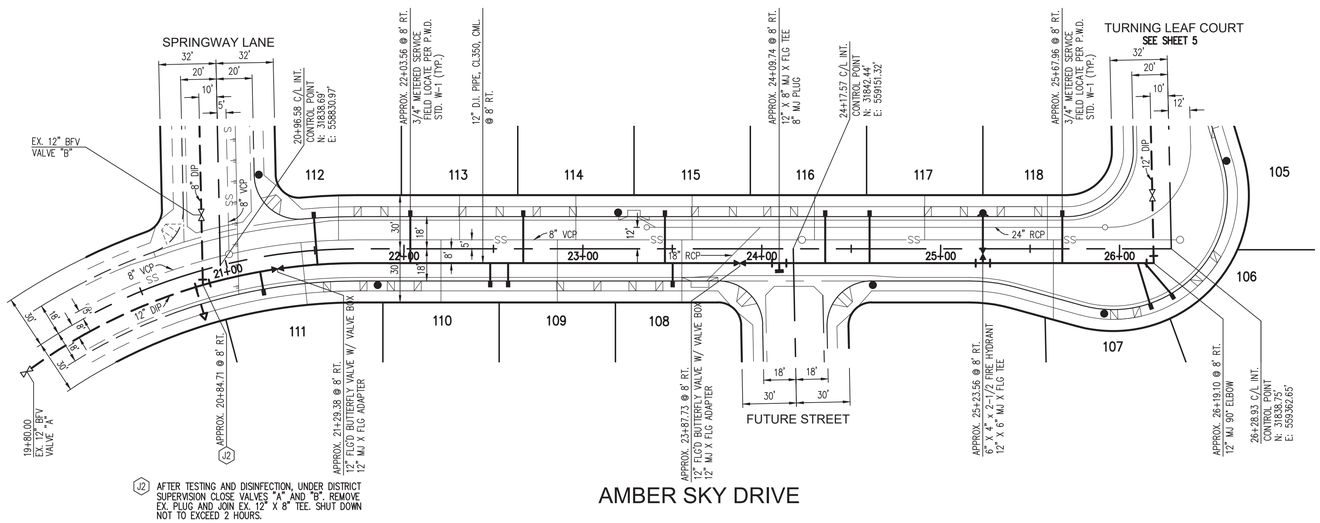
FROM 20+95.49 TO 30+20.71

WSM NO. 46-87	TRACT 71770	SHEET: 7 OF 10

SCALE: HOR. 1"= 40'
VERT. 1"= 4'







(J2) AFTER TESTING AND DISINFECTION, UNDER DISTRICT SUPERVISION CLOSE VALVES "A" AND "B". REMOVE EX. PLUG AND JOIN EX. 12" X 8" TEE. SHUT DOWN NOT TO EXCEED 2 HOURS.

AMBER SKY DRIVE

	RECORD RCE		REVISIONS BLOCK	PWD	
NO.	BY	DATE	REVISION DESCRIPTION	APPR.	DATE
△					

DEVELOPER INFO
NAME, ADDRESS, PHONE

REGISTERED CIVIL ENGINEER STAMP

ENGINEERING FIRM INFORMATION
NAME, ADDRESS, PHONE, FAX, ETC.

NAME DATE

PALMDALE WATER DISTRICT

APPROVED BY:

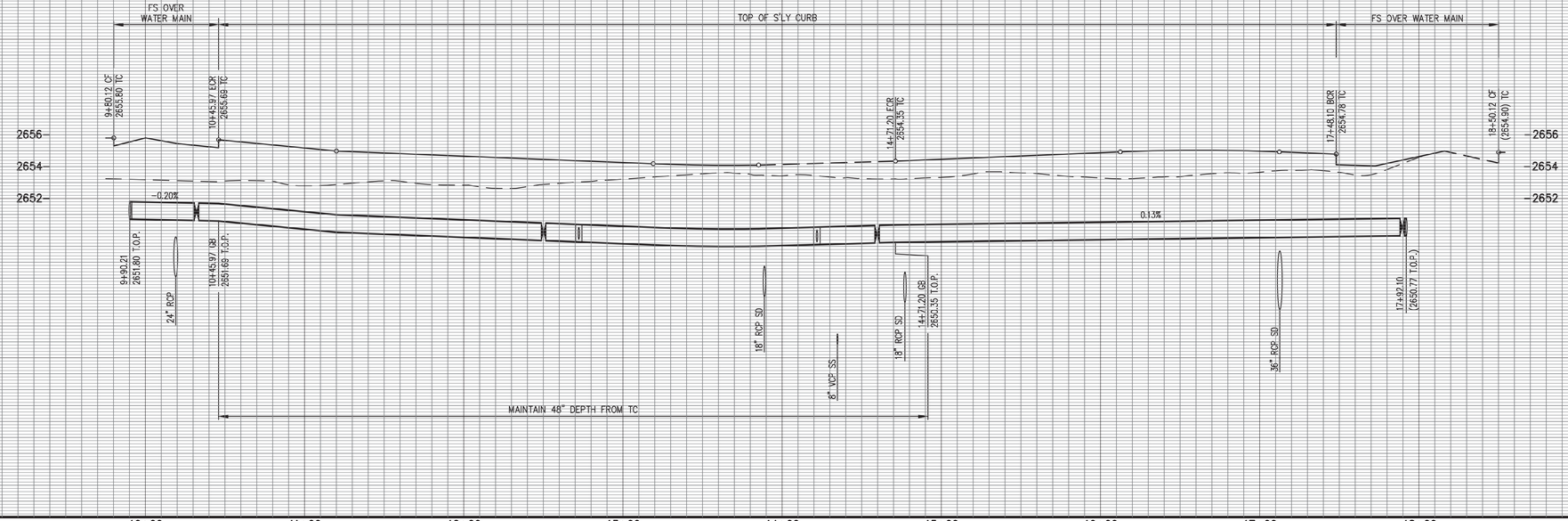
PALMDALE WATER DISTRICT DATE

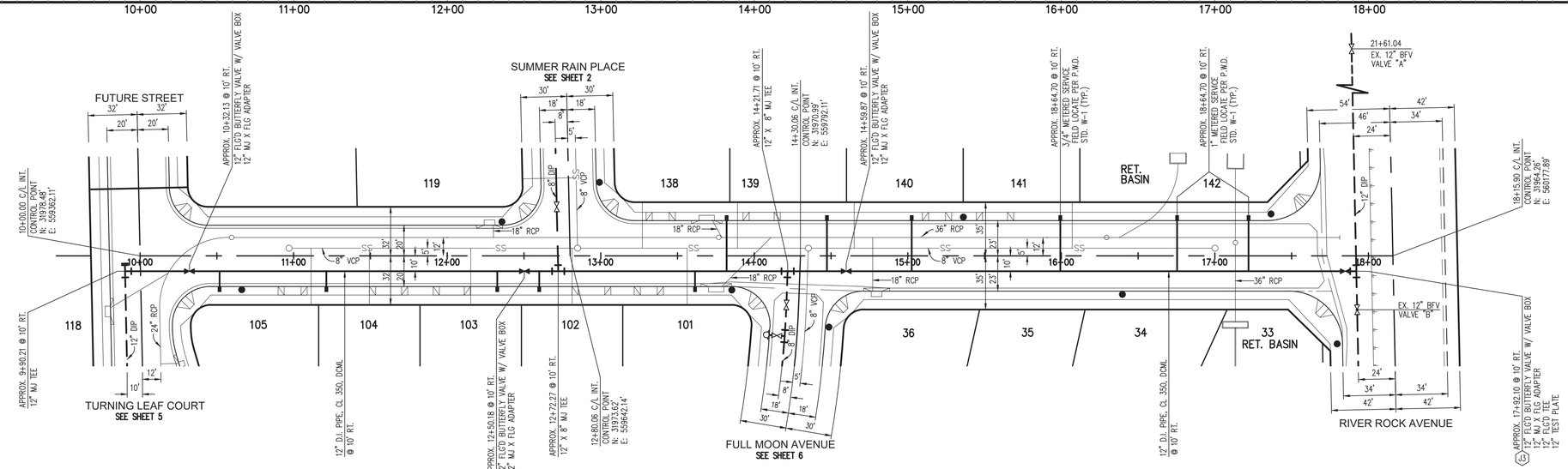
WATER SYSTEM IMPROVEMENTS

AMBER SKY DRIVE
FROM 20+84.71 TO 26+19.11

WSM NO. 46-87 | TRACT 71770 | SHEET: 8 OF 10

SCALE: HOR. 1"= 40'
VERT. 1"= 4'





SUMMER NIGHT LANE

40 20 0 40 80
GRAPHIC SCALE: 1"=40'

NO.	RECORD RCE BY	RECORD RCE DATE	REVISIONS BLOCK REVISION DESCRIPTION	PWD APPR.	PWD DATE
△					

DEVELOPER INFO
NAME, ADDRESS, PHONE

REGISTERED CIVIL ENGINEER STAMP

ENGINEERING FIRM INFORMATION
NAME, ADDRESS, PHONE, FAX, ETC.

NAME DATE

PALMDALE WATER DISTRICT

APPROVED BY:

PALMDALE WATER DISTRICT DATE

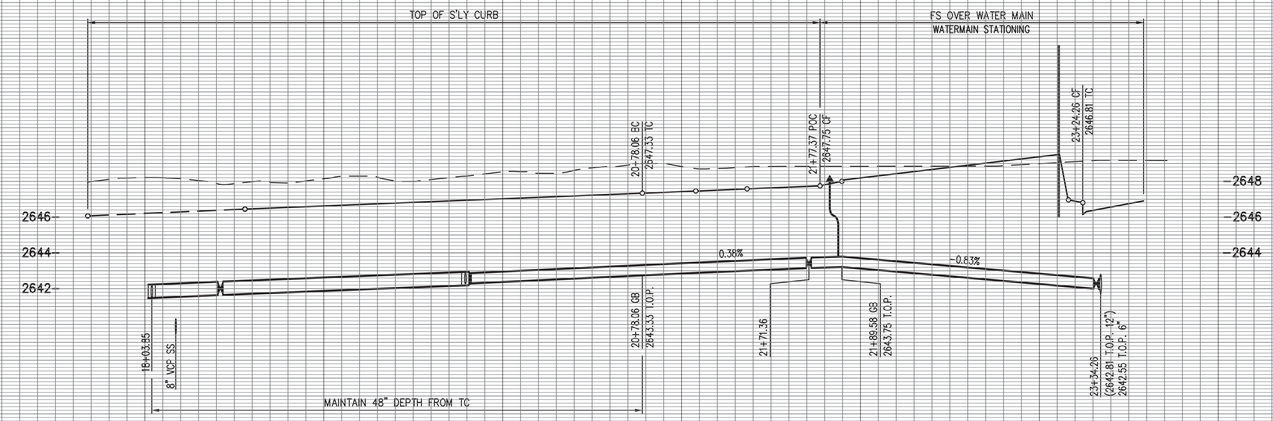
WATER SYSTEM IMPROVEMENTS

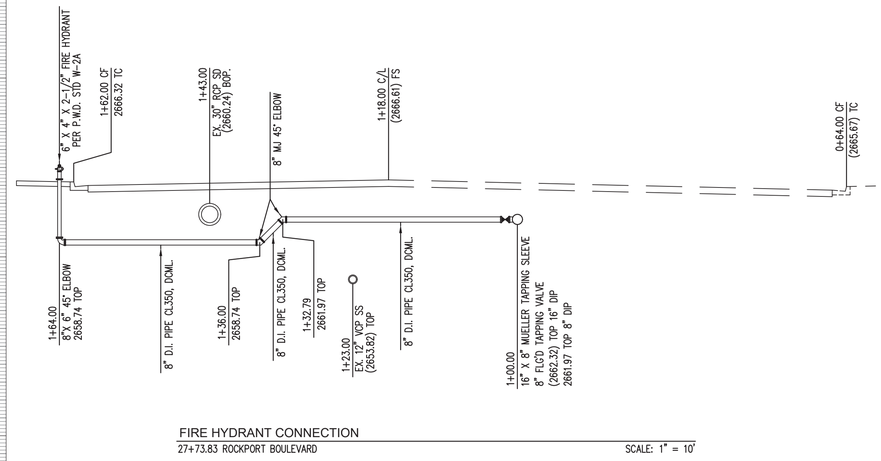
SUMMER NIGHT LANE

FROM 9+90.21 TO 17+92.10

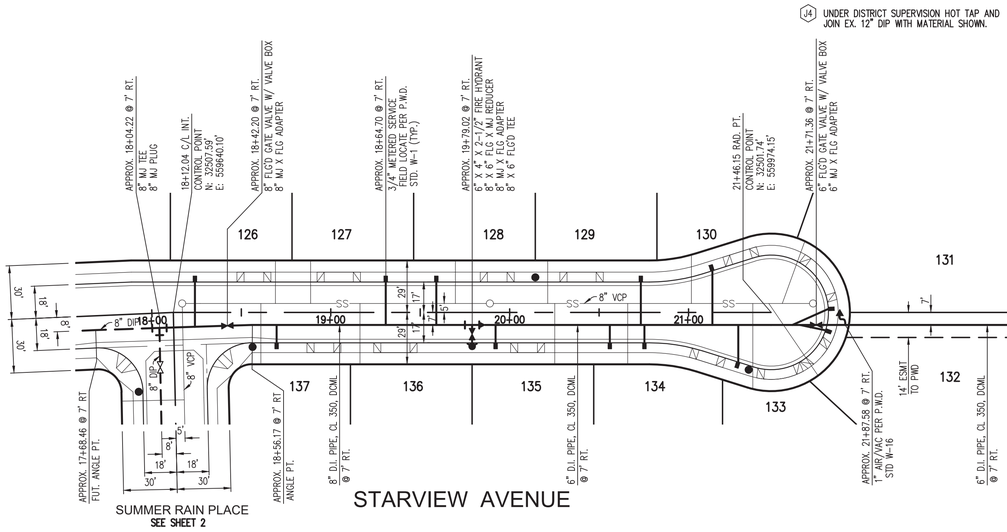
WSM NO. 46-87 | TRACT 71770 | SHEET: 9 OF 10

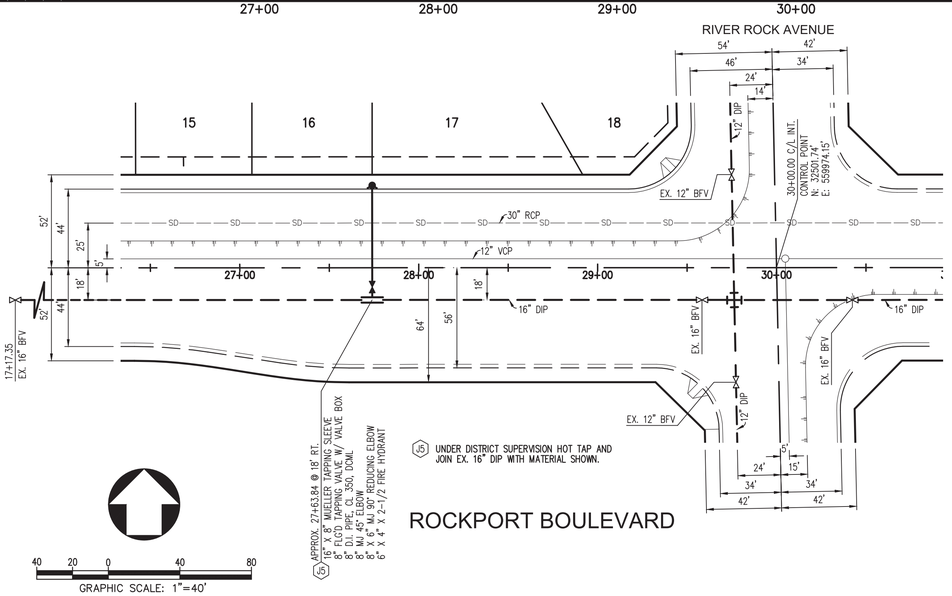
SCALE: HOR. 1"= 40'
VERT. 1"= 4'





FIRE HYDRANT CONNECTION
27+73.83 ROCKPORT BOULEVARD
SCALE: 1" = 10'





40 20 0 40 80
GRAPHIC SCALE: 1"=40'

40 20 0 40 80
GRAPHIC SCALE: 1"=40'

	RECORD RCE		REVISIONS BLOCK	PWD	
NO.	BY	DATE	REVISION DESCRIPTION	APPR.	DATE
△					

DEVELOPER INFO
NAME, ADDRESS, PHONE

REGISTERED CIVIL ENGINEER STAMP

ENGINEERING FIRM INFORMATION
NAME, ADDRESS, PHONE, FAX, ETC.

NAME DATE

PALMDALE WATER DISTRICT
APPROVED BY:

PALMDALE WATER DISTRICT DATE

WATER SYSTEM IMPROVEMENTS

STARVIEW AVENUE/ESMT LINE
FROM 18+03.85 TO 23+34.26

ROCKPORT BOULEVARD
FIRE HYDRANT CONNECTION @ 27+73.83

WSM NO. 46-87 | TRACT 71770 | SHEET: 10 OF 10