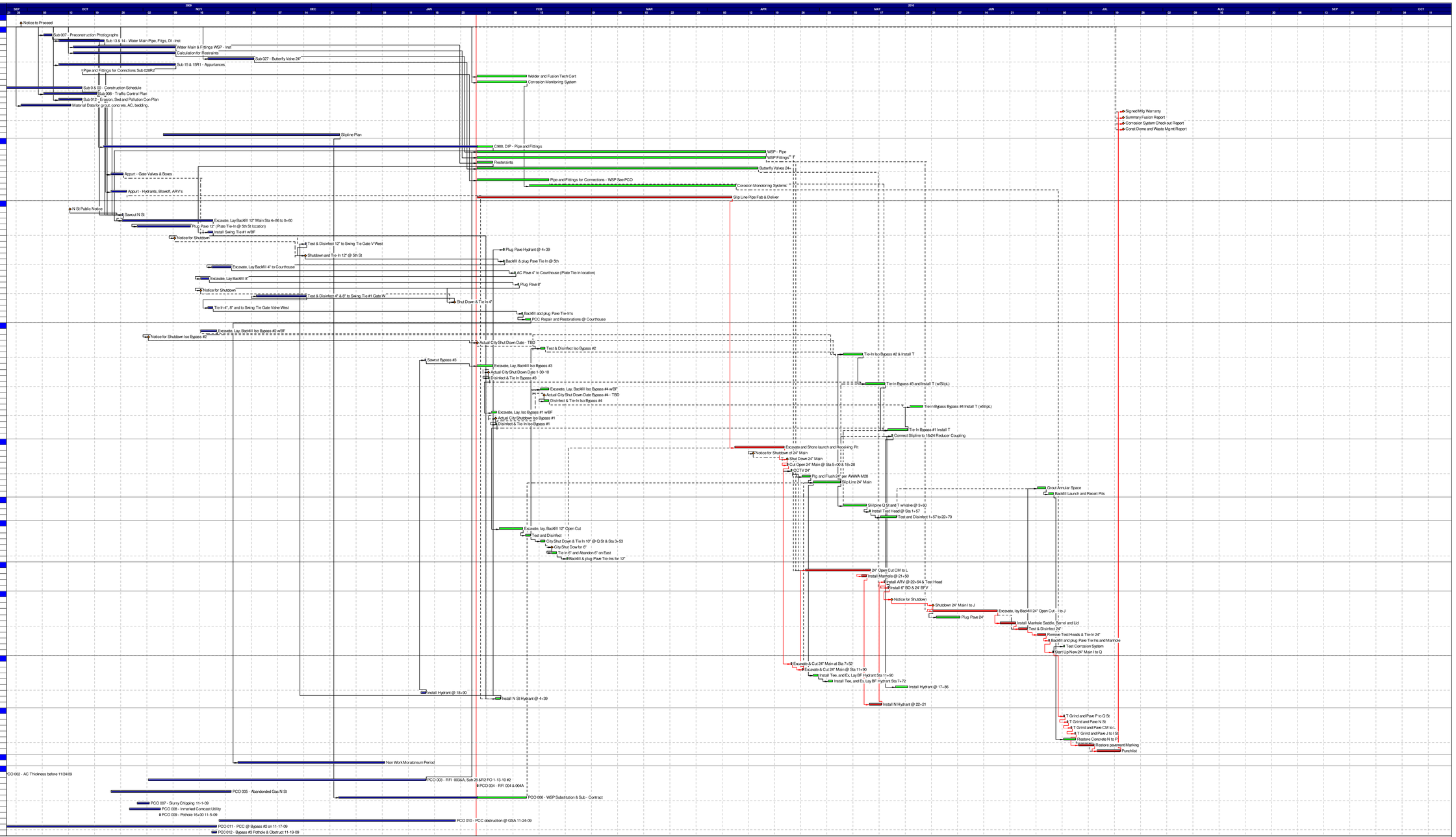
Act ID	Description	Orig Dur	Rem Dur	Early Start	Resource
Pre Construction					
1020	Notice to Proceed	0	0	29SEP09 A	
Submittals					
1030	Sub 007 - Preconstruction Photographs	10d	0	05OCT09 A	
1040	Sub 13 & 14 - Water Main Pipe, Fitgs, DI -Inst	15d	0	09OCT09 A	
1045	Water Main & Fittings WSP - Inst	20d	0	13OCT09 A	
1050	Calculation for Restraints	20d	0	13OCT09 A	
1065	Sub 027 - Butterfly Valve 24"	20d	0	19NOV09 A	
1070	Sub 15 & 15R1 - Appurtances	18d	0	09OCT09 A	
1080	Pipe and Fittings for Connctions Sub 028R2	10d	0	27OCT09 A	
1090	Welder and Fusion Tech Cert	10d	10d	29JAN10	
1100	Corrosion Monitoring Sytem	10d	10d	29JAN10	
1110	Sub 0 & 00 - Construction Schedule	10d	0	10SEP09 A	
1120	Sub 008 - Traffic Control Plan	17d	0	05OCT09 A	
1130	Sub 012 - Erosion, Sed and Pollution Con Plan	10d	0	06OCT09 A	
1140	Material Data for grout, concrete, AC, bedding.	10d	0	29SEP09 A	
1160	Signed Mfg Warranty	0	0	21JUL10	
1170	Summry Fusion Report	0	0	21JUL10	
1180	Corrosion System Check out Report	0	0	21JUL10	
1190	Const Demo and Waste Mgmt Report	0	0	21JUL10	
1200	Slipline Plan	1d	0	06NOV09 A	
Procurement					
1500	C900, DIP - Pipe and Fittings	3d	3d	21OCT09 A	
1510	WSP - Pipe	56d	56d	29JAN10	
1520	WSP Fittings	56d	56d	29JAN10	
1522	Resterants	3d	3d	29JAN10	
1525	Butterfly Valves 24+	54d	54d	29JAN10	
1550	Appurt - Gate Valves & Boxes	2d	2d	23OCT09 A	
1560	Pipe and Fittings for Connections - WSP See PCO	14d	14d	29JAN10	
1570	Corrosion Monotoring Systems	40d	40d	12FEB10	
1580	Appurt - Hydrants, Blowoff, ARV's	3d	3d	23OCT09 A	
1590	Slip Line Pipe Fab & Deliver	49d	49d	29JAN10	
Construction - N St					
2001	N St Public Notice	0	0	12OCT09 A	
2003	Sawcut N St	1d	0	26OCT09 A	
2004	Excavate, Lay Backfill 12" Main Sta 4+86 to 0+60	3d	0	28OCT09 A	
2005	Plug Pave 12" (Plate Tie-In @ 5th St location)	3d	0	30OCT09 A	
2010	Install Swing Tie #1 w/BF	2d	0	18NOV09 A	
2012	Notice for Shutdown	0	0	09NOV09 A	
2014	Test & Disinfect 12" to Swing Tie Gate V West	2d	0	14DEC09 A	
2015	Plug Pase Hydrant @ 4+39	1d	1d	05FEB10	
2016	Shutdown and Tie-In 12" @ 5th St	0	0	14DEC09 A	
2018	Backfill & plug Pase Tie In @ 5th	1d	1d	05FEB10	
2020	Excavate, Lay Backfill 4" to Courthouse	4d	0	19NOV09 A	
2025	AC Pave 4" to Courthouse (Plate Tie-In location)	1d	1d	08FEB10	MGE Pave Crew
2028	Excavate, Lay Backfill 8"	2d	0	18NOV09 A	
2030	Plug Pase 8"	1d	1d	09FEB10	
2035	Notice for Shutdown	0	0	18NOV09 A	
2045	Test & Disinfect 4" & 8" to Swing Tie #1 Gate W	2d	0	01DEC09 A	
2047	Shut Down & Tie In 4"	0	0	25JAN10 A	
2050	Tie In 4", 8" and to Swing Tie Gate Valve West	1d	0	18NOV09 A	
2060	Backfill abd plug Pase Tie-In's	1d	1d	10FEB10	MGE Pave Crew
2070	PCC Repair and Restorations @ Courthouse	2d	2d	11FEB10	
Construction - Isolation Bypass & Tie Ins					
2080	Excavate, Lay, Backfill Iso Bypass #2 w/BF	3d	0	16NOV09 A	MGE Pipe Crew 1
2082	Notice for Shutdown Iso Bypass #2	0	0	02NOV09 A	
2083	Actual City Shut Down Date - TBD	0	0	29JAN10	
2084	Test & Disinfect Iso Bypass #2	2d	2d	15FEB10	
2085	Tie-In Iso Bypass #2 & Install T	4d	4d	07MAY10	
2087	Sawcut Bypass #3	1d	0	15JAN10 A	
2090	Excavate, Lay, Backfill Iso Bypass #3	3d	3d	20JAN10 A	MGE Pipe Crew 1
2091	Actual City Shut Down Date 1-30-10	0	0	01FEB10 *	
2092	Disinfect & Tie In Bypass #3	1d	1d	01FEB10	
2093	Tie-in Bypass #3 and Install T (w/SlipL)	4d	4d	18MAY10	
2187	Excavate, Lay, Backfill Iso Bypass #4 w/BF	3d	3d	15FEB10	MGE Pipe Crew 1
2188	Actual City Shut Down Date Bypass #4 - TBD	0	0	16FEB10 *	
2190	Disinfect & Tie-In Iso Bypass #4	2d	2d	16FEB10	
2199	Tie in Bypass Bypass #4 Install T (wSlpL)	4d	4d	25MAY10	
2210	Excavate, Lay, Iso Bypass #1 w/BF	2d	2d	02FEB10	
2220	Actual City Shutdown Iso Bypass #1	0	0	05FEB10 *	
2225	Disinfect & Tie-In Iso Bypass #1	1d	1d	09FEB10	
2230	Tie-In Bypass #1 Install T	4d	4d	18MAY10	
2290	Connect Slipline to 18x24 Reducer Coupling	1d	1d	26MAY10	
Construction - Slipline					
3000	Excavate and Shore launch and Receiving Pit	10d	10d	08APR10	
3005	Notice for Shutdown of 24" Main	0	0	13APR10	
3010	Shut Down 24" Main	0	0	22APR10	
3020	Cut Open 24" Main @ Sta 5+00 & 18+28	1d	1d	22APR10	
3030	CCTV 24"	1d	1d	23APR10	
3040	Pig and Flush 24" per AWWA M28	3d	3d	26APR10	
3050	Slip Line 24" Main	6d	6d	28APR10	
3080	Grout Annular Space	3d	3d	28JUN10	
3090	Backfill Launch and Recei Pits	2d	2d	01JUL10	
Construction - 18" Open Cut P to Q St					
4000	Slipline Q St and T w/Valve @ 3+60	5d	5d	07MAY10	
4005	Install Test Head @ Sta 1+57	1d	1d	18MAY10	
4070	Test and Disinfect 1+57 to 22+70	5d	5d	17MAY10	
Construction - 12" Open Cut P to Q					
5000	Excavate, lay, Backfill 12" Open Cut	5d	5d	04FEB10	
5040	Test and Disinfect	2d	2d	11FEB10	
5060	City Shut Down & Tie In 10" @ Q St & Sta 3+53	2d	2d	15FEB10	
5065	City Shut Dow for 6"	0	0	18FEB10 *	
5066	Tie In 6" and Abandon 6" on East	2d	2d	18FEB10	
5070	Backfill & plug Pase Tie-Ins for 12"	1d	1d	22FEB10	
Construction 24" Open Cut - CM to L St					
6000	24" Open Cut CM to L	14d	14d	27APR10	
6005	Install Manhole @ 21+50	2d	2d	12MAY10	
6008	Install ARV @ 22+64 & Test Head	1d	1d	18MAY10	
6010	Install 6" BIO & 24" BFV	1d	1d	19MAY10	
Construction 24" Open Cut - I to J					
7000	Notice for Shutdown	0	0	20MAY10	
7004	Shutdown 24" Main I to J	0	0	31MAY10	
7005	Excavate, lay Backfill 24" Open Cut - I to J	14d	14d	31MAY10	
7015	Plug Pase 24'	5d	5d	01JUN10	MGE Pave Crew
7020	Install Manhole Saddle, Barrel and Lid	3d	3d	18JUN10	
7025	Test & Disinfect 24"	3d	3d	25JUN10	
7035	Remove Test Heads & Tie-In 24"	3d	3d	28JUN10	
7045	Backfill and plug Pase Tie Ins and Manhole	1d	1d	01JUL10	MGE Pave Crew
7050	Test Corrosion System	1d	1d	05JUL10	
7055	Start Up New 24" Main I to Q	1d	1d	02JUL10	
Construction - Resharts and Appurtances					
8020	Excavate & Cut 24" Main at Sta 7+52	1d	1d	23APR10	
8030	Excavate & Cut 24" Main @ Sta 11+90	1d	1d	26APR10	
8035	Install Tee, and Ex, Lay BF Hydrant Sta 11+90	2d	2d	29APR10	
8040	Install Tee, and Ex, Lay BF Hydrant Sta 7+72	2d	2d	03MAY10	
8045	Install Hydrant @ 17+86	2d	2d	21MAY10	
8050	Install Hydrant @ 18+90	1d	0	14JUN10 A	
8060	Install N St Hydrant @ 4+39	2d	2d	03FEB10	
8070	Install N Hydrant @ 22+21	2d	2d	14MAY10	
AC, C&G & Restorations					
9000	T Grind and Pave P to Q St	1d	1d	05JUL10	
9010	T Grind and Pave N St	1d	1d	06JUL10	
9020	T Grind and Pave CM to L	1d	1d	07JUL10	
9030	T Grind and Pave J to I St	1d	1d	08JUL10	
9035	Restore Concrete N to P	4d	4d	05JUL10	
9040	Restore pavement Marking	3d	3d	09JUL10	
9050	Punchlist	5d	5d	14JUL10	
Construction Moratorium					
12001	Non Work Moratoreum Period	1d	0	26NOV09 A	
Changes & Impacts					
16010	PCO 002 - AC Thickness before 11/24/09	1d	0	21OCT09 A	
16020	PCO 003 - RFI 003&A, Sub 28 &R2 FO 1-13-10 #2	1d	0	02NOV09 A	
16030	PCO 004 - RFI 004 & 004A	1d	1d	26JAN10	
16040	PCO 005 - Abandonded Gas N St	1d	0	20OCT09 A	
16050	PCO 006 - WSP Substitution & Sub - Contract	21d	10d	23DEC09 A	
16060	PCO 007 - Slurry Chipping 11-1-09	1d	0	30OCT09 A	
16070	PCO 008 - Inmarked Comcast Utility	1d	0	28OCT09 A	
16080	PCO 009 - Pothole 16+00 11-5-09	1d	0	09NOV09 A	
16090	PCO 010 - PCC obstruction @ GSA 11-24-09	1d	0	01NOV09 A	
16100	PCO 011 - PCC @ Bypass #2 on 11-17-09	1d	0	17AUG09 A	
16110	PCO 012 - Bypass #3 Pothole & Obstruct 11-19-09	1d	0	19NOV09 A	



Start date	28AUG09
Finish date	20JUL10
Data date	26JAN10
Run date	26JAN10
Page number	1A

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MGE INC. LIC # 640376

6th St Water Transmission Main between I & Q St

Martin General Engineering, Inc.
12485 Quicksilver Dr.
Rancho Cordova, CA 95610
PM - John Echols

Early bar
Progress bar
Critical bar
Summary bar
Start milestone point
Finish milestone point